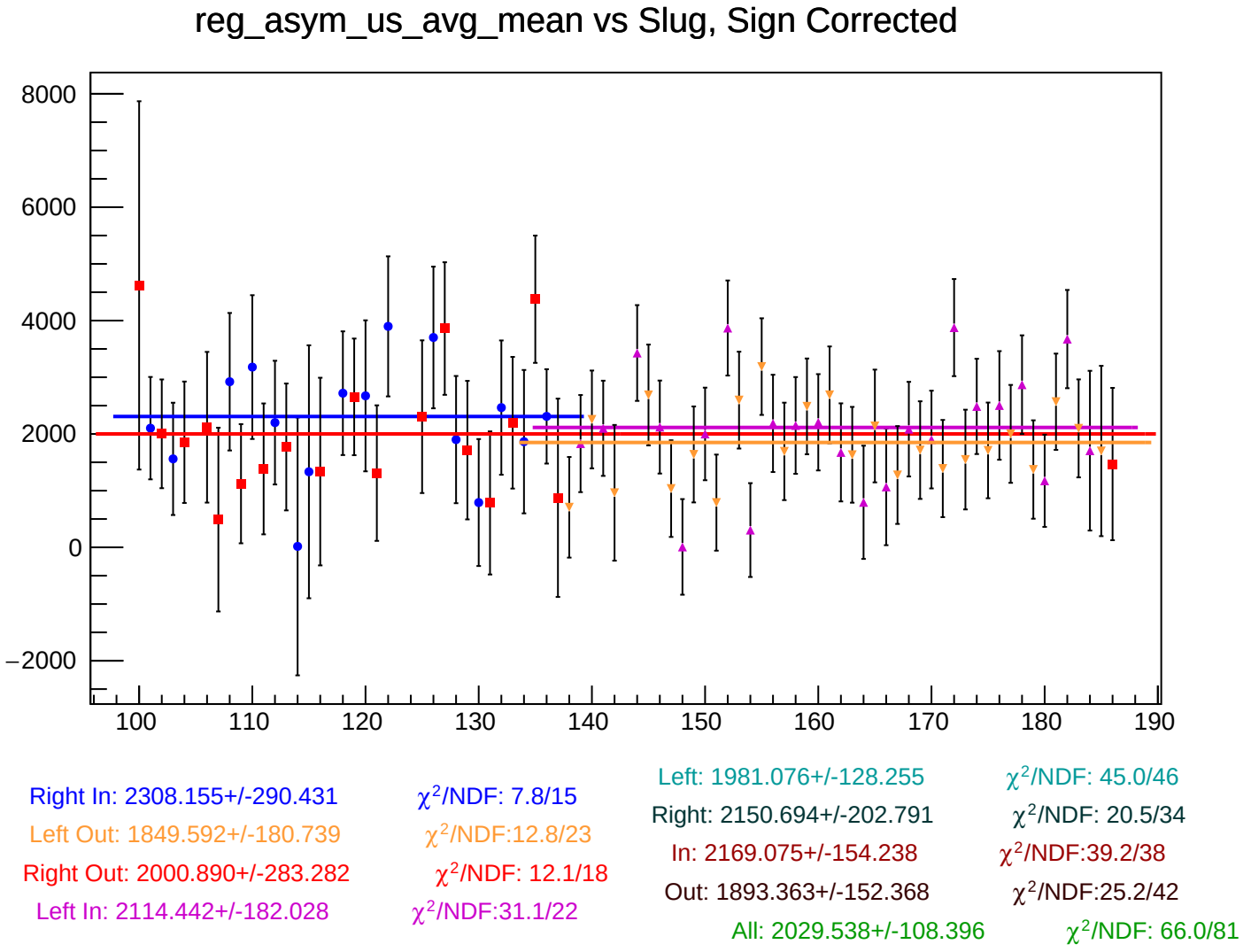
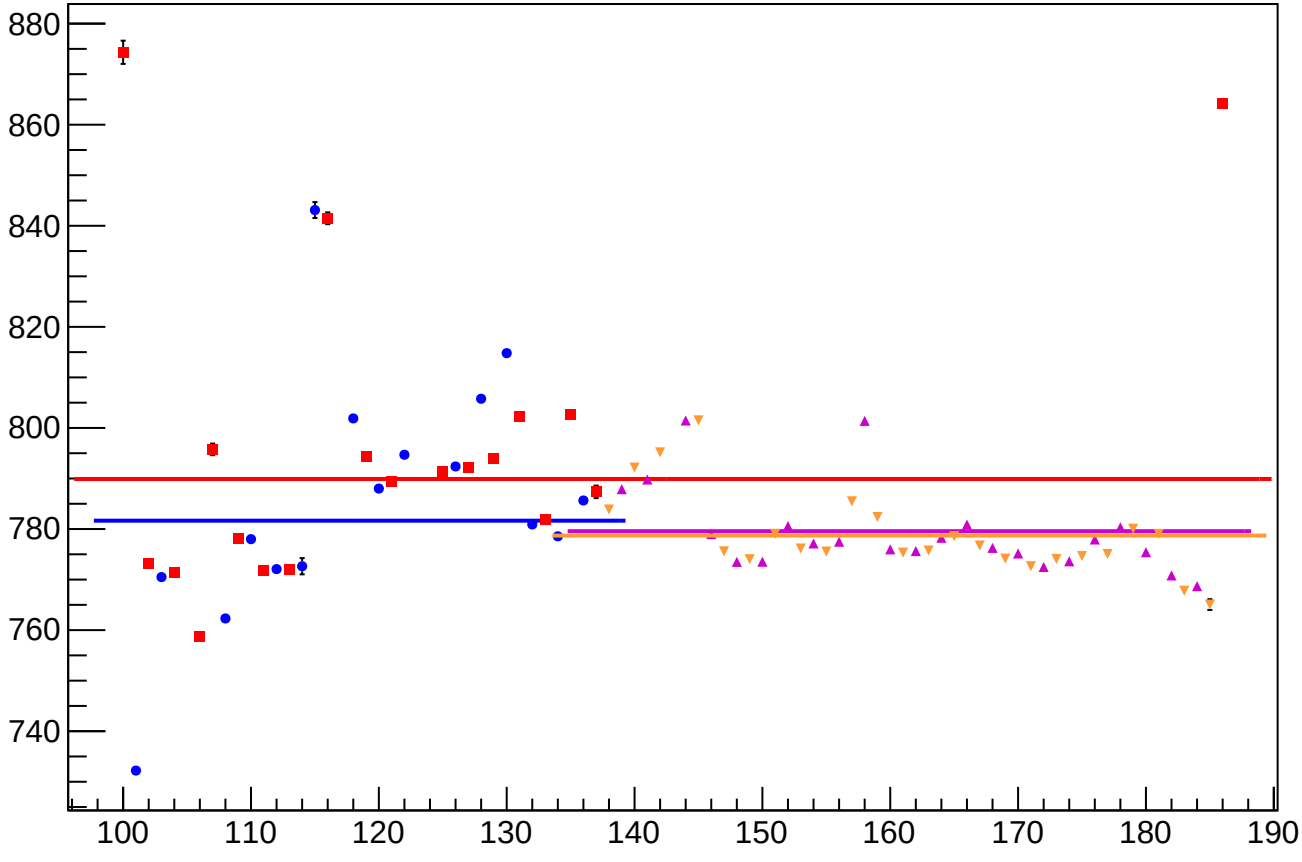

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2000.890+/-283.282
χ²/NDF: 12.1/18
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2150.694+/-202.791
χ²/NDF: 20.5/34
In: 2169.075+/-154.238
χ²/NDF:39.2/38
Out: 1893.363+/-152.368
χ²/NDF:25.2/42
All: 2029.538+/-108.396
χ²/NDF: 66.0/81

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

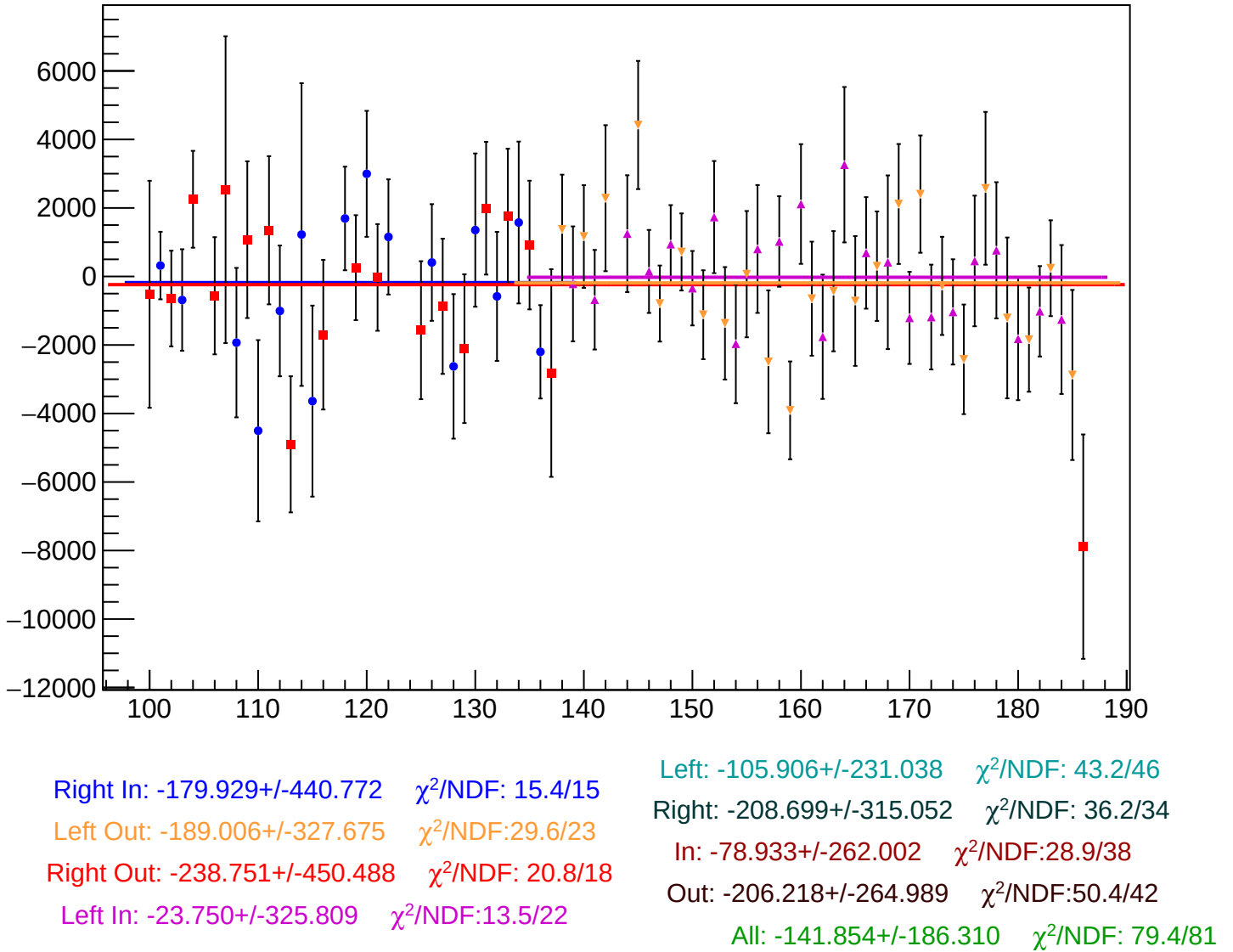
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 785.882+/-0.143 χ^2/NDF: 26761.0/34

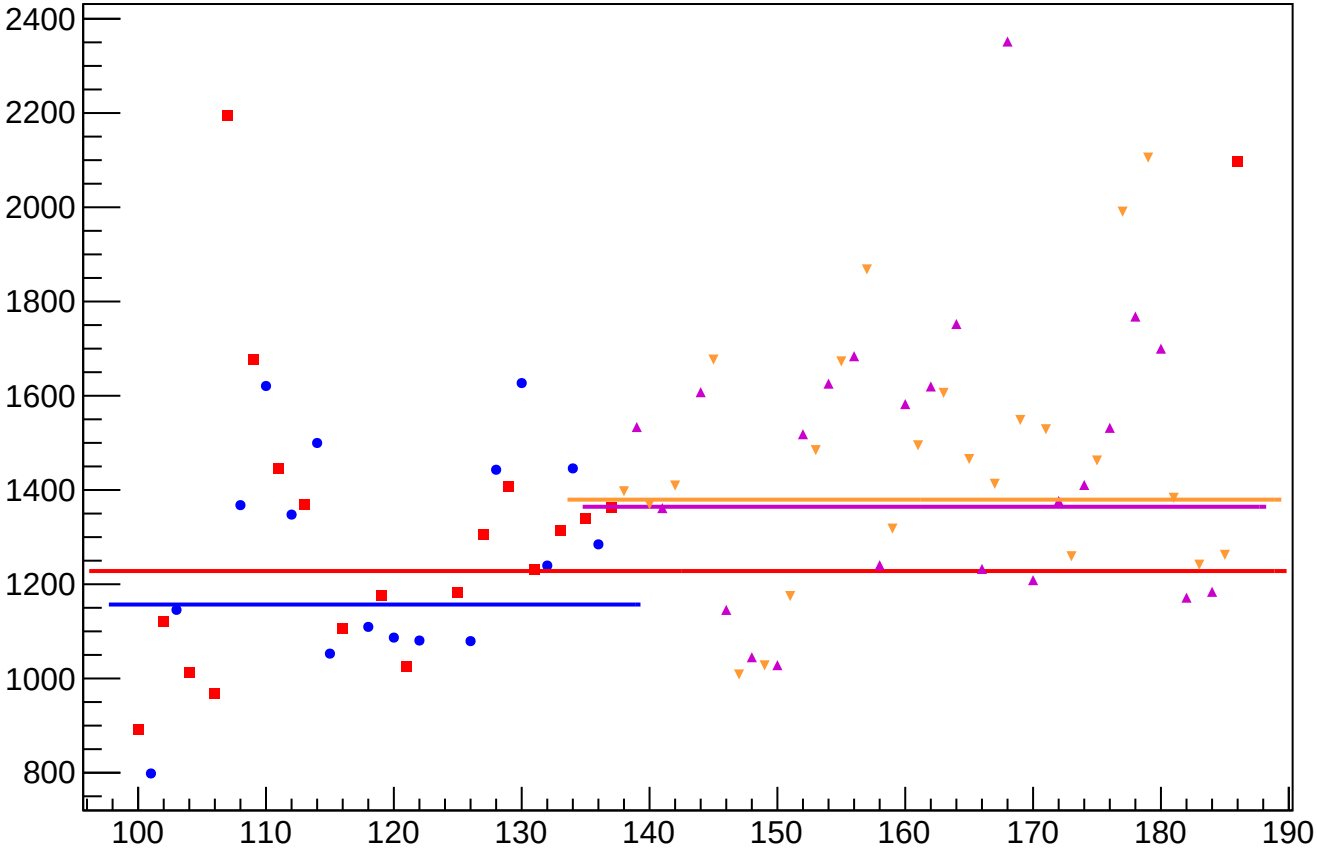
In: 780.161+/-0.109 χ^2/NDF:16565.6/38

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

All: 781.065+/-0.077 χ^2/NDF: 35926.0/81


asym_us_avg_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -238.751+/-450.488 χ²/NDF: 20.8/18
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -208.699+/-315.052 χ²/NDF: 36.2/34
In: -78.933+/-262.002 χ²/NDF:28.9/38
Out: -206.218+/-264.989 χ²/NDF:50.4/42
All: -141.854+/-186.310 χ²/NDF: 79.4/81

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

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

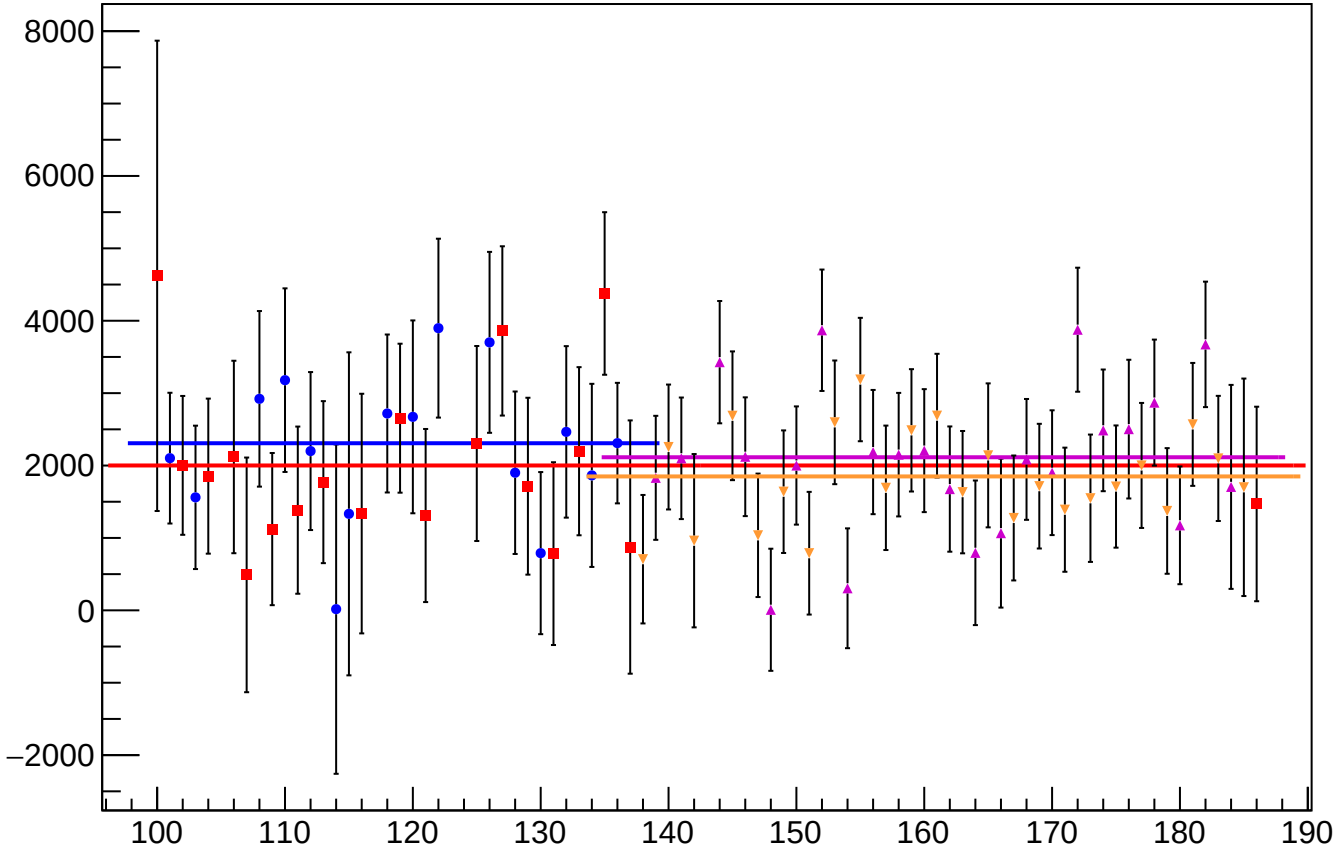
Right: 1191.717+/-0.223 χ^2/NDF: 1136061.6/34

In: 1291.109+/-0.185 χ^2/NDF:2167949.1/38

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

All: 1308.908+/-0.132 χ^2/NDF: 4034518.3/81

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

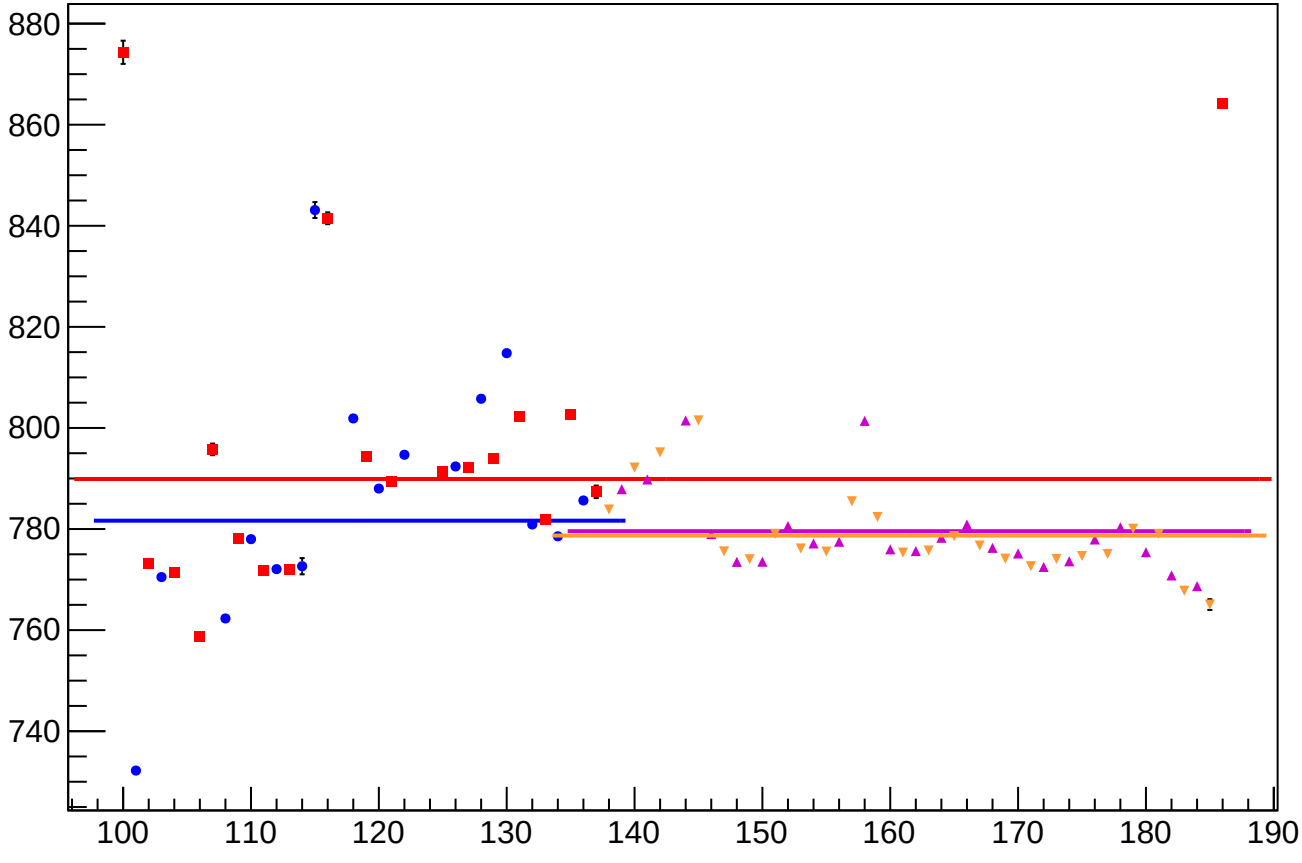
Right: 2150.694+/-202.791 χ^2/NDF: 20.5/34

In: 2169.075+/-154.238 χ^2/NDF:39.2/38

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

All: 2029.538+/-108.396 χ^2/NDF: 66.0/81

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

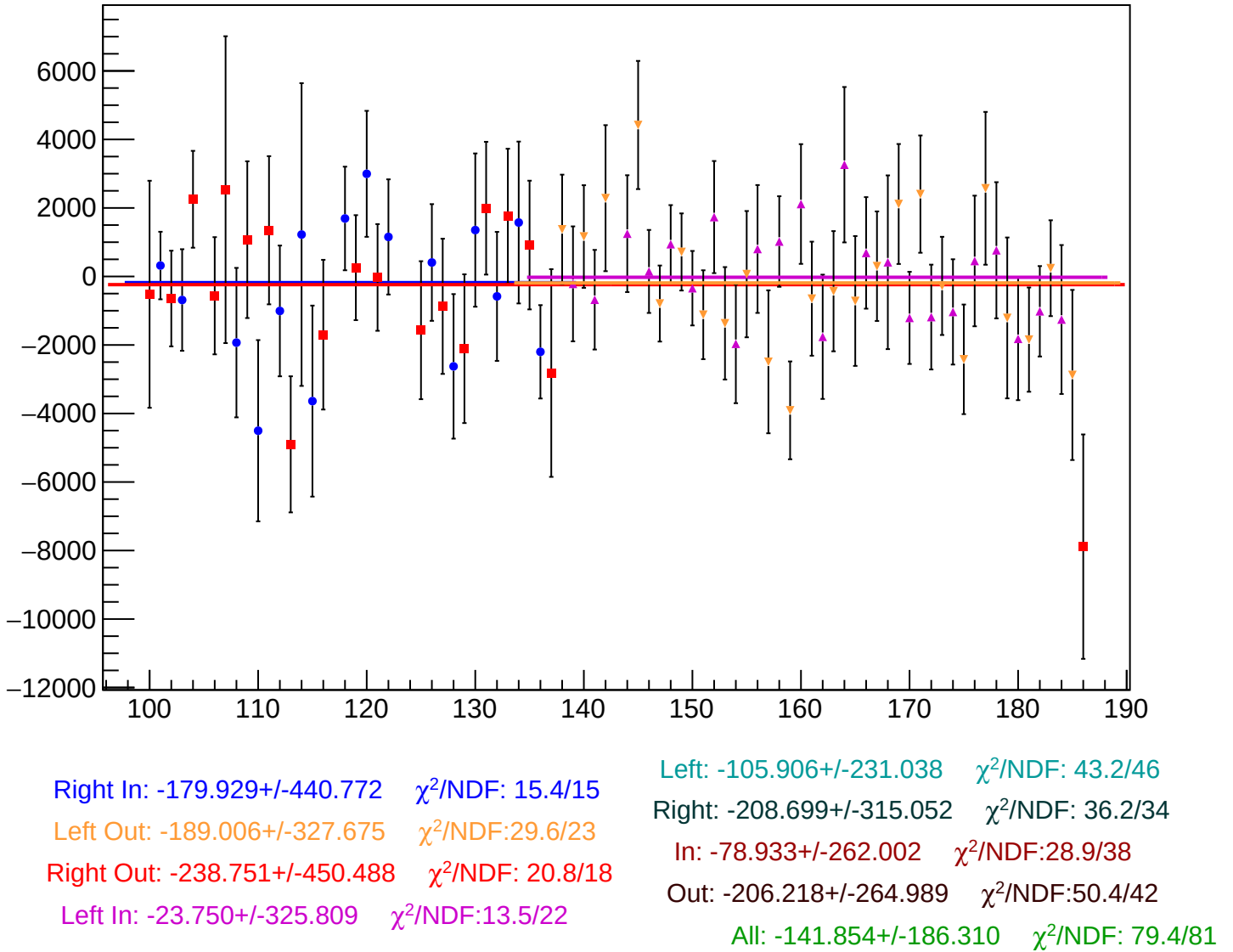
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

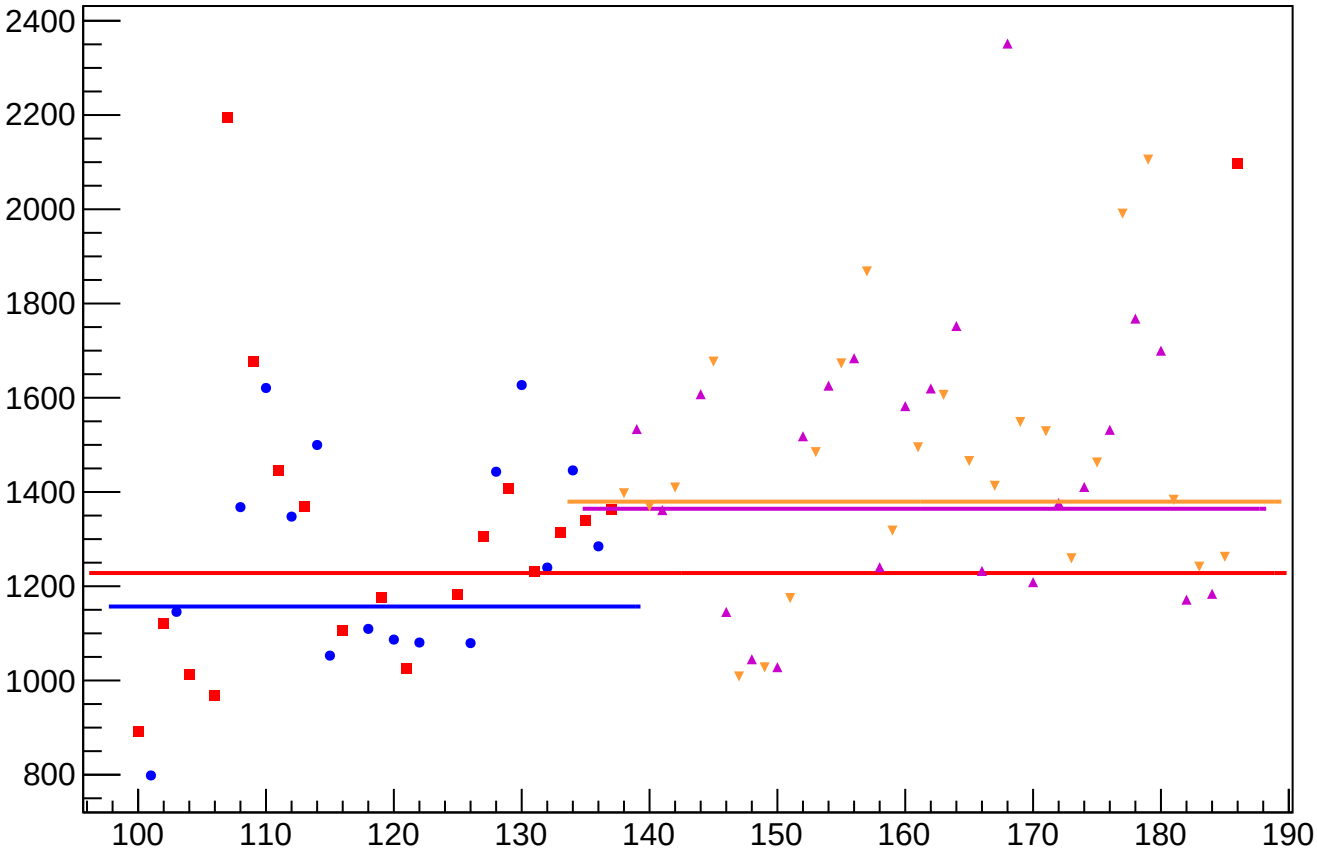
Right: 785.882+/-0.143 χ^2/NDF: 26761.0/34

In: 780.161+/-0.109 χ^2/NDF:16565.6/38

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

All: 781.065+/-0.077 χ^2/NDF: 35926.0/81


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -238.751+/-450.488 χ²/NDF: 20.8/18
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -208.699+/-315.052 χ²/NDF: 36.2/34
In: -78.933+/-262.002 χ²/NDF:28.9/38
Out: -206.218+/-264.989 χ²/NDF:50.4/42
All: -141.854+/-186.310 χ²/NDF: 79.4/81



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

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

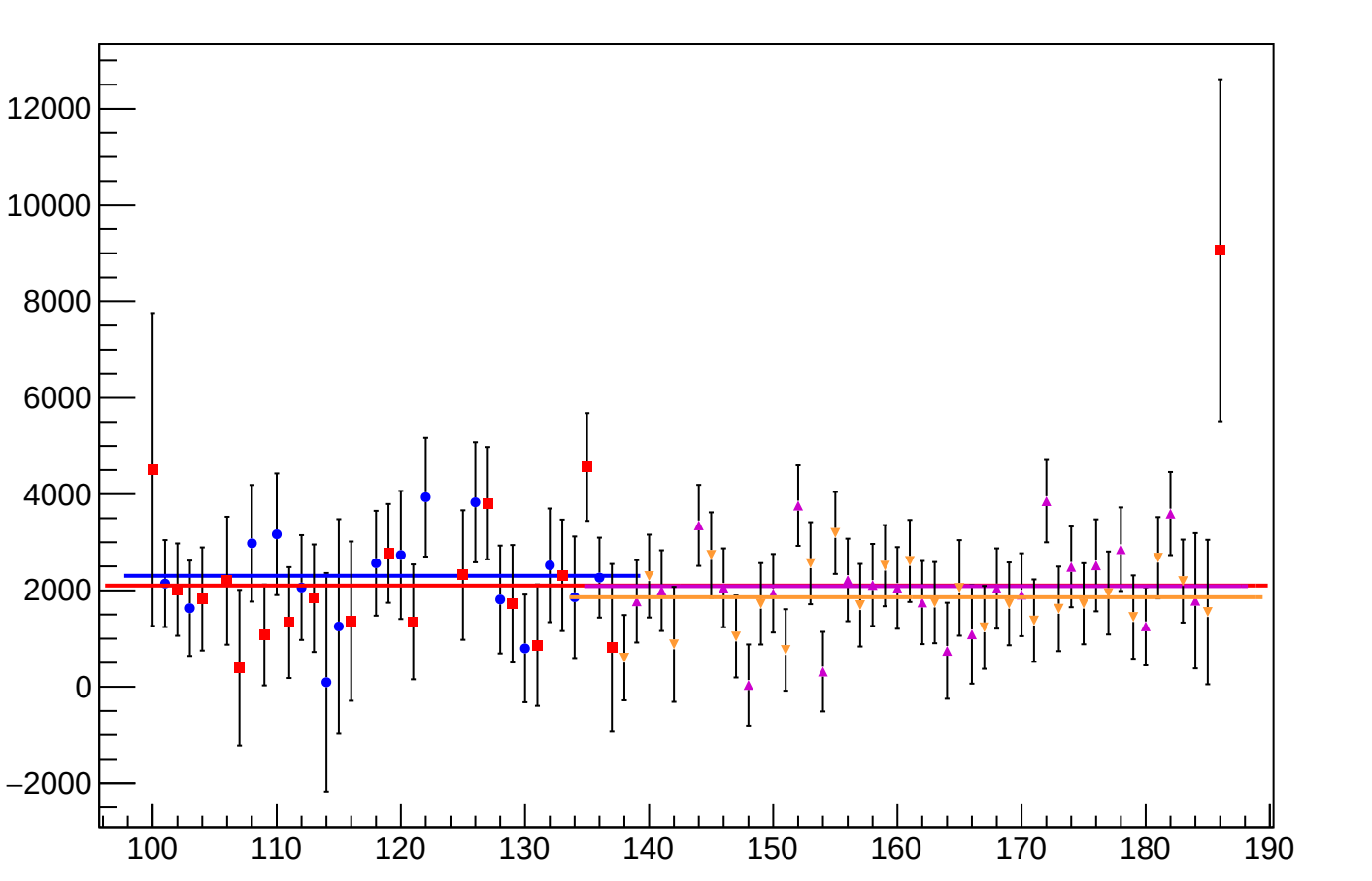
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

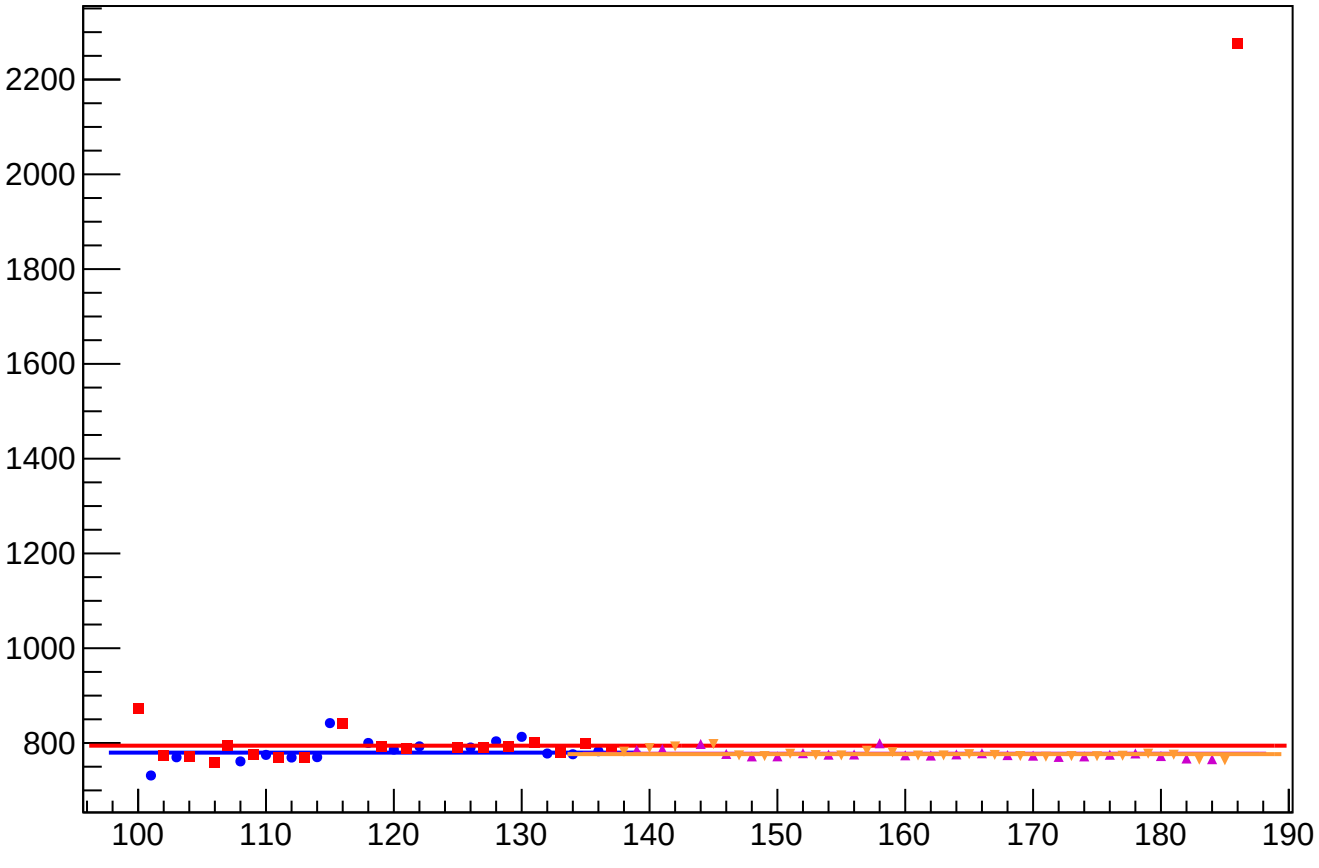
Right: 1191.717+/-0.223 χ^2/NDF: 1136061.6/34

In: 1291.109+/-0.185 χ^2/NDF:2167949.1/38

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

All: 1308.908+/-0.132 χ^2/NDF: 4034518.3/81


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1859.528+/-180.231 χ²/NDF:13.5/23
Right Out: 2101.874+/-288.135 χ²/NDF: 16.7/18
Left In: 2089.493+/-181.523 χ²/NDF:29.6/22
Left: 1973.689+/-127.897 χ²/NDF: 43.9/46
Right: 2202.812+/-204.294 χ²/NDF: 25.1/34
In: 2150.207+/-153.821 χ²/NDF:38.1/38
Out: 1927.683+/-152.800 χ²/NDF:30.8/42
All: 2038.204+/-108.405 χ²/NDF: 69.9/81



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

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

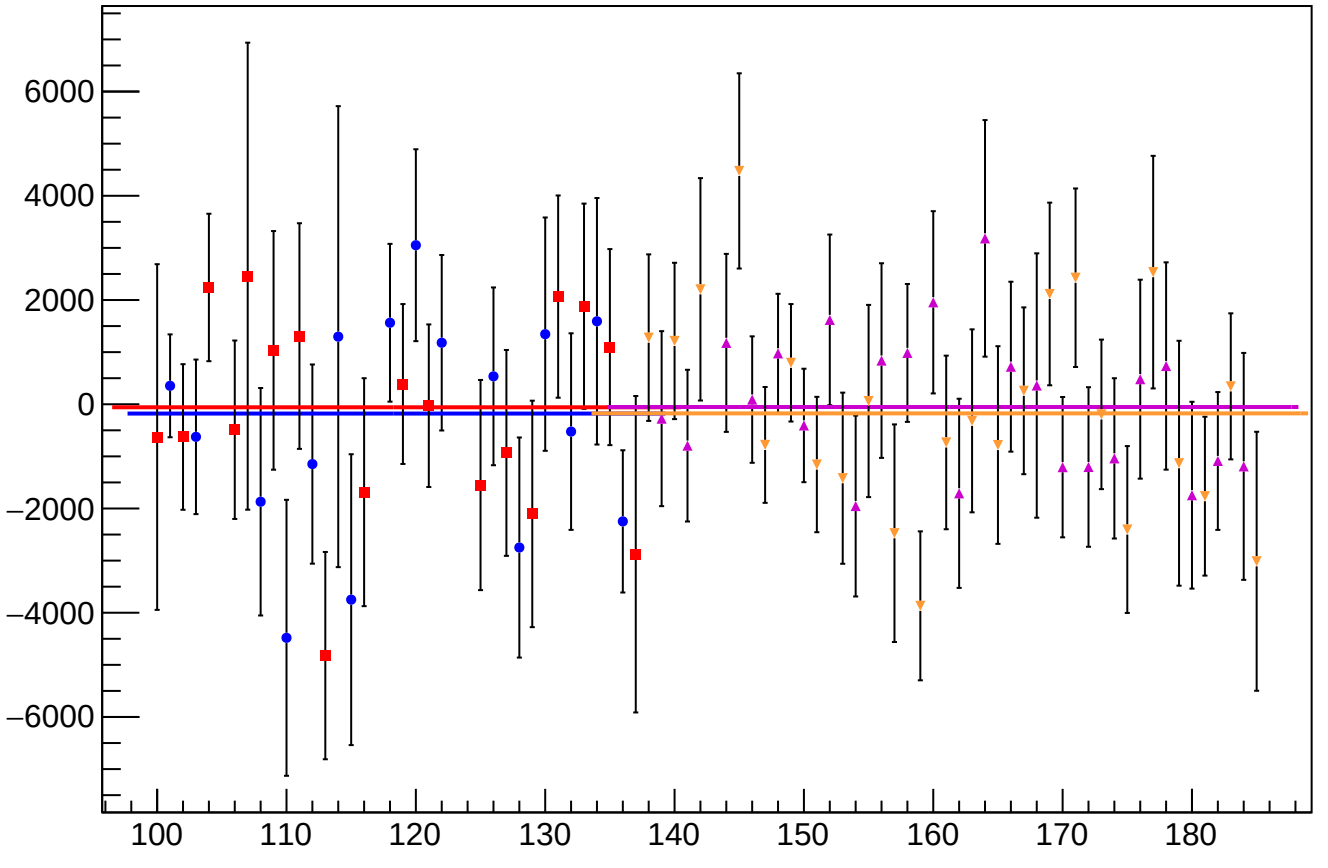
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 787.069+/-0.144 χ^2/NDF: 372532.9/34

In: 778.058+/-0.109 χ^2/NDF:16212.1/38

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

All: 779.810+/-0.077 χ^2/NDF: 383271.1/81



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

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

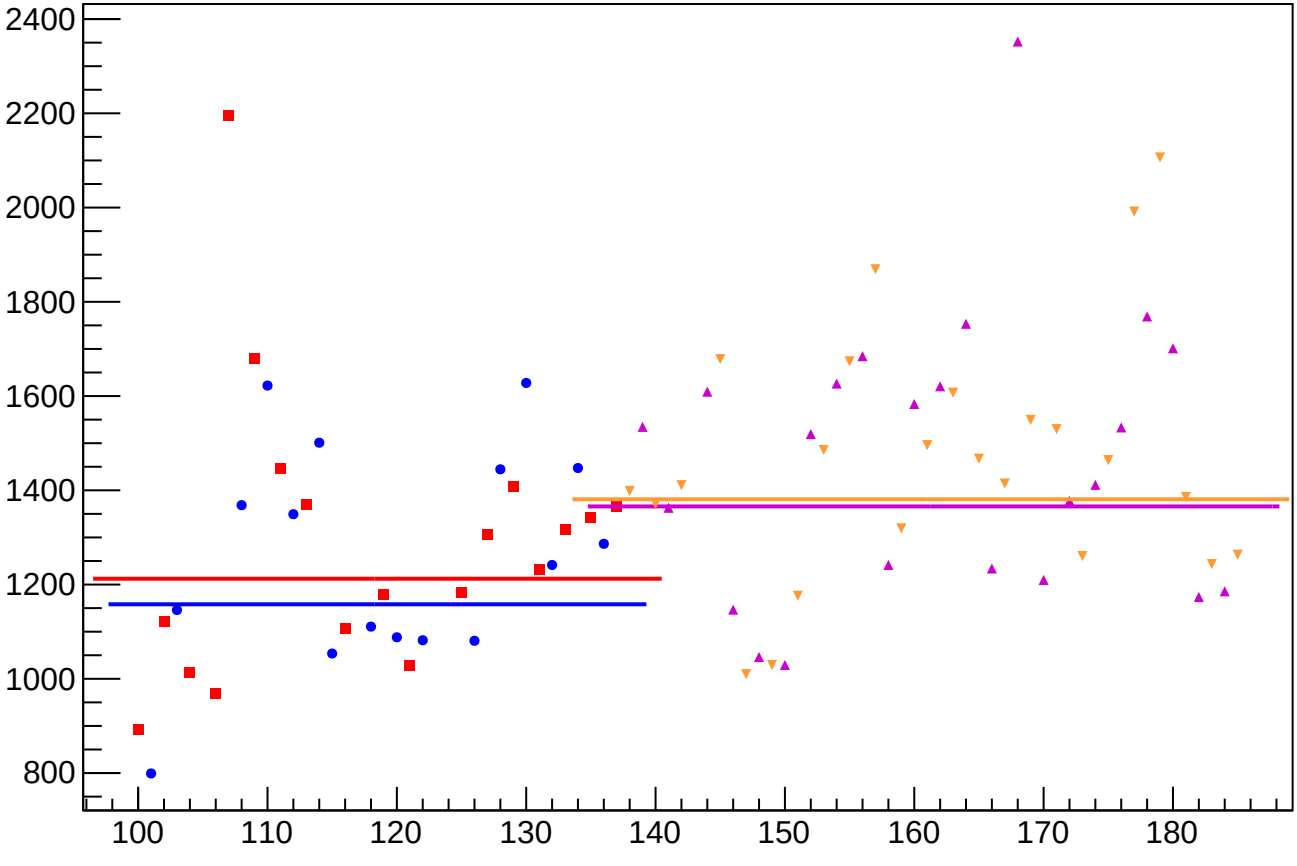
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -97.209+/-262.259 χ^2/NDF:28.7/38

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

All: -115.822+/-186.792 χ^2/NDF: 73.6/80

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 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

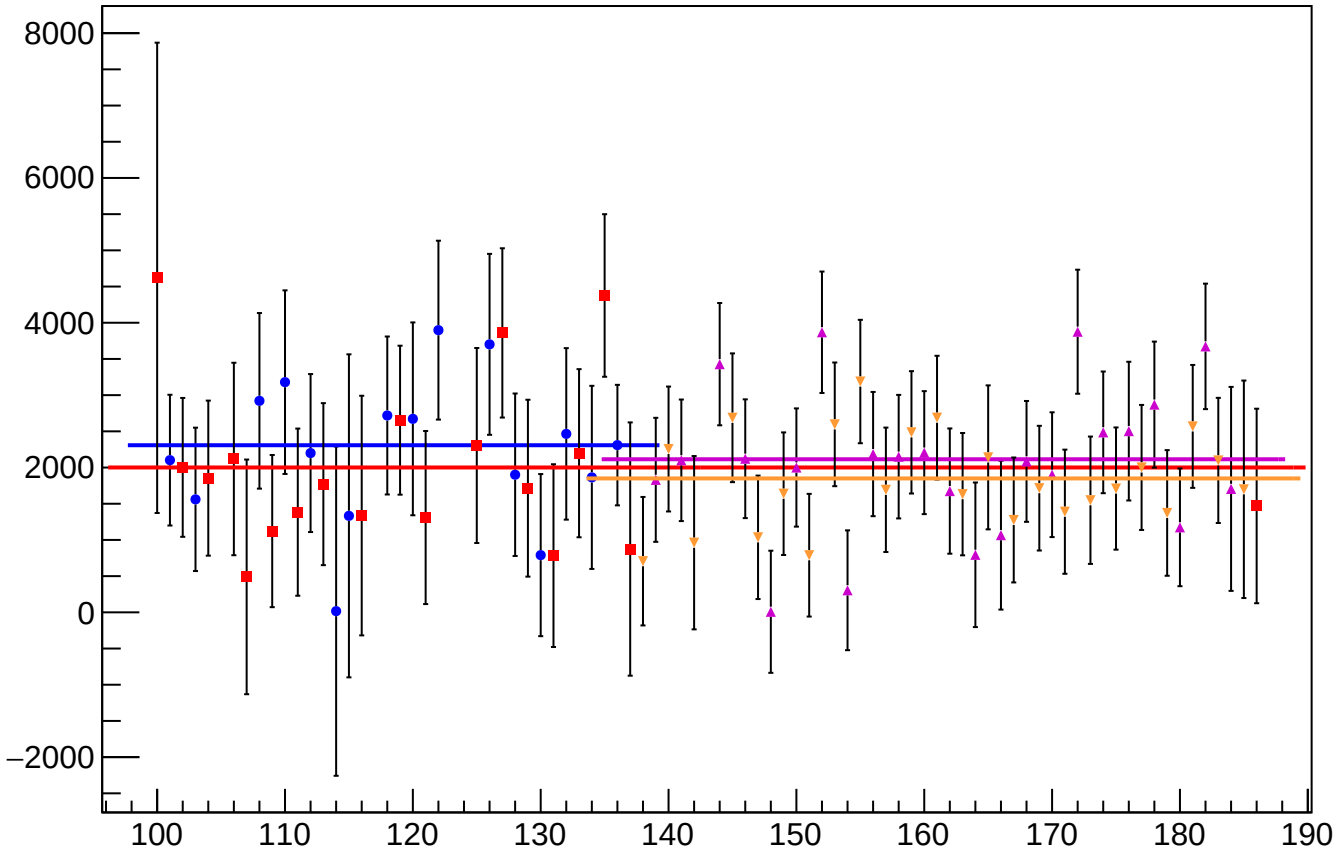
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

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

In: 1292.437+/-0.185 χ^2/NDF:2164556.8/38

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

All: 1307.660+/-0.132 χ^2/NDF: 3912218.9/80



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

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

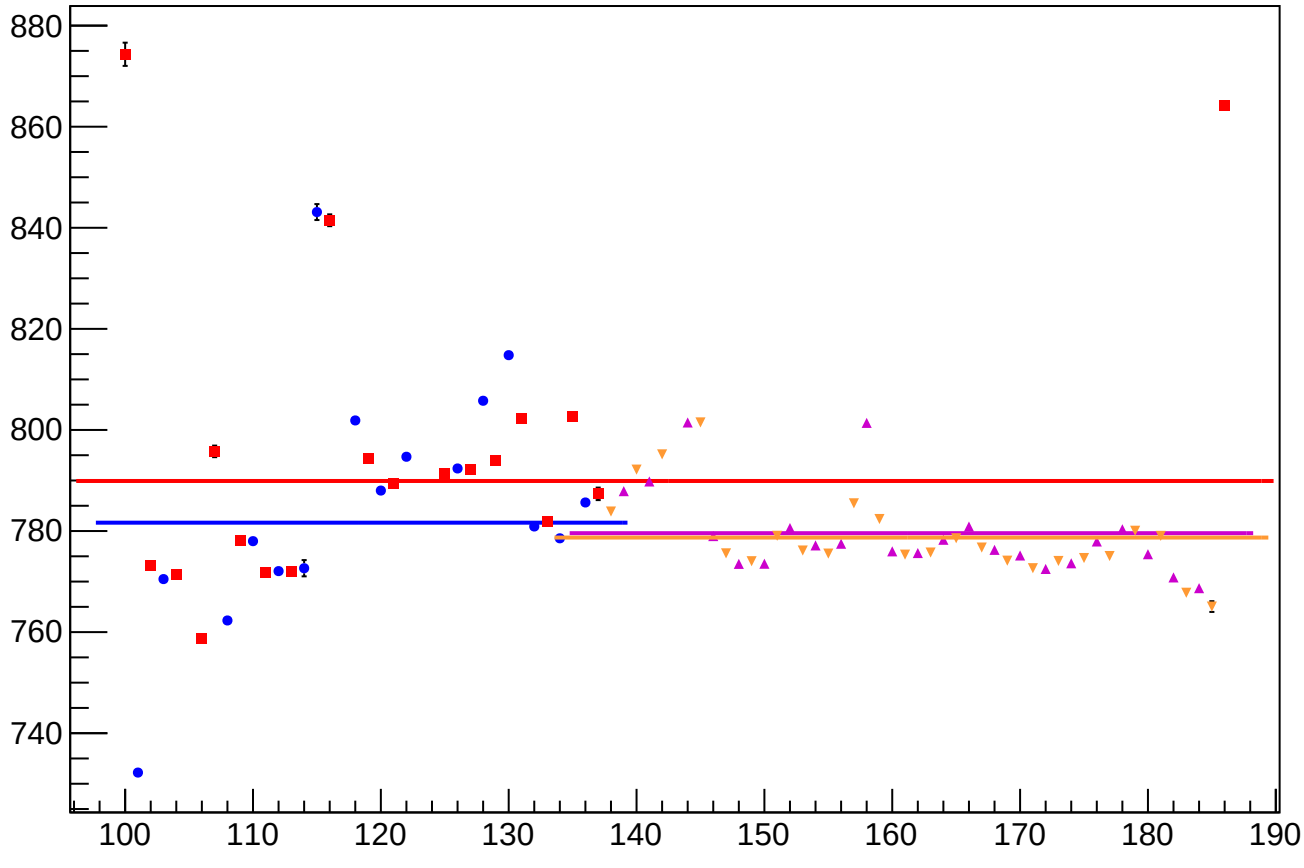
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2150.694+/-202.791 χ^2/NDF: 20.5/34

In: 2169.075+/-154.238 χ^2/NDF:39.2/38

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

All: 2029.538+/-108.396 χ^2/NDF: 66.0/81



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

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

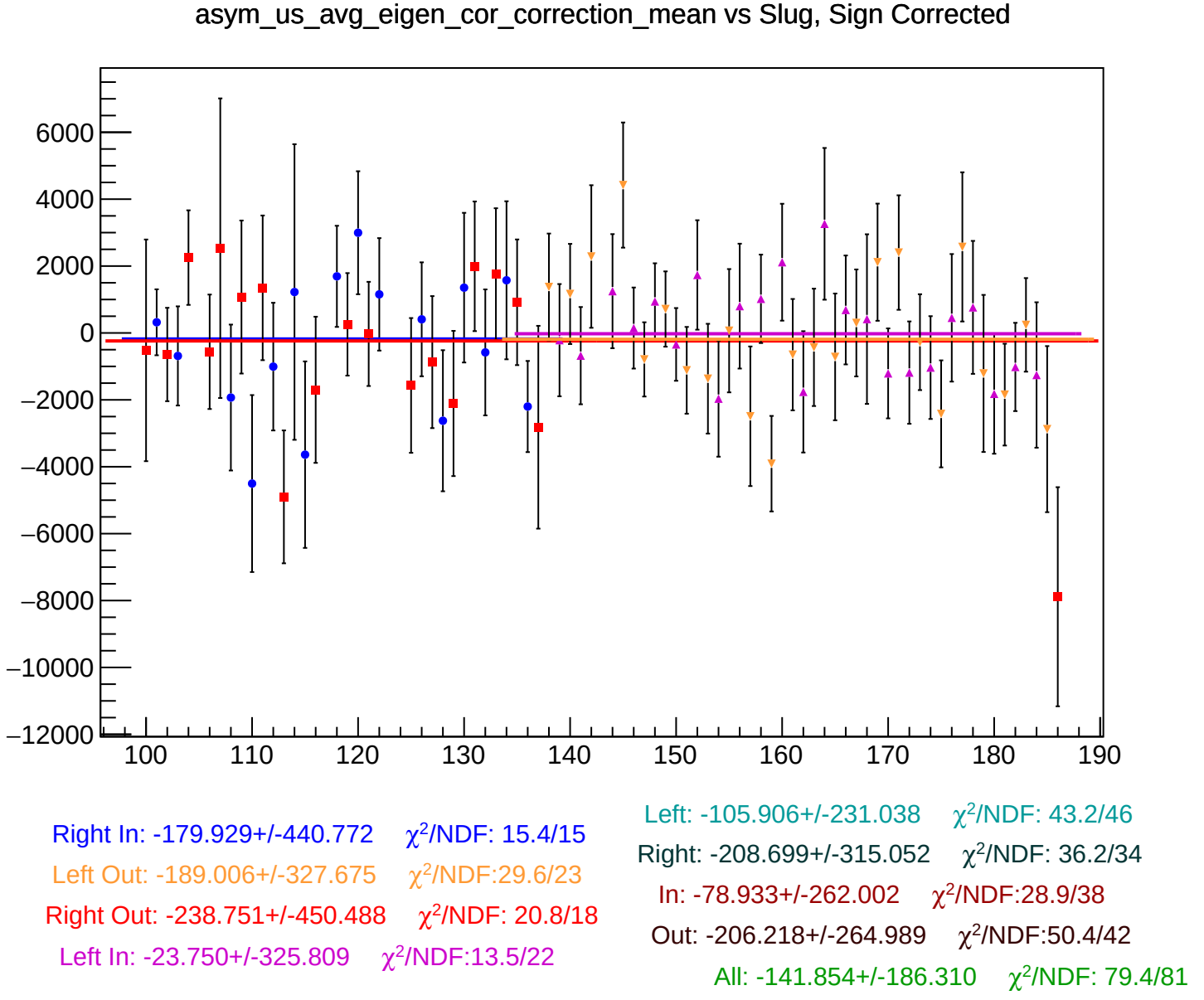
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

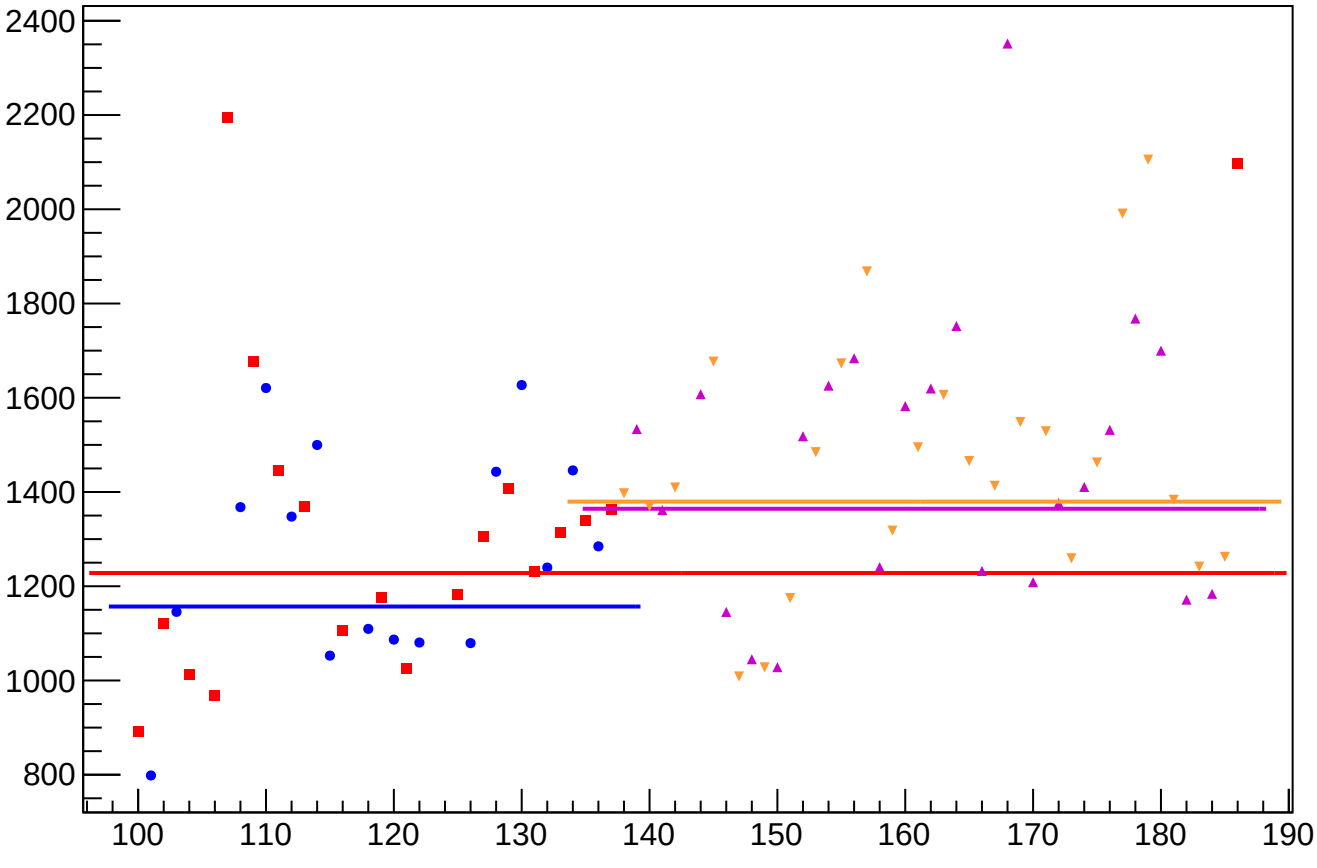
Right: 785.882+/-0.143 χ^2/NDF: 26761.0/34

In: 780.161+/-0.109 χ^2/NDF:16565.6/38

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

All: 781.065+/-0.077 χ^2/NDF: 35926.0/81


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -238.751+/-450.488 χ²/NDF: 20.8/18
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -208.699+/-315.052 χ²/NDF: 36.2/34
In: -78.933+/-262.002 χ²/NDF:28.9/38
Out: -206.218+/-264.989 χ²/NDF:50.4/42
All: -141.854+/-186.310 χ²/NDF: 79.4/81



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

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

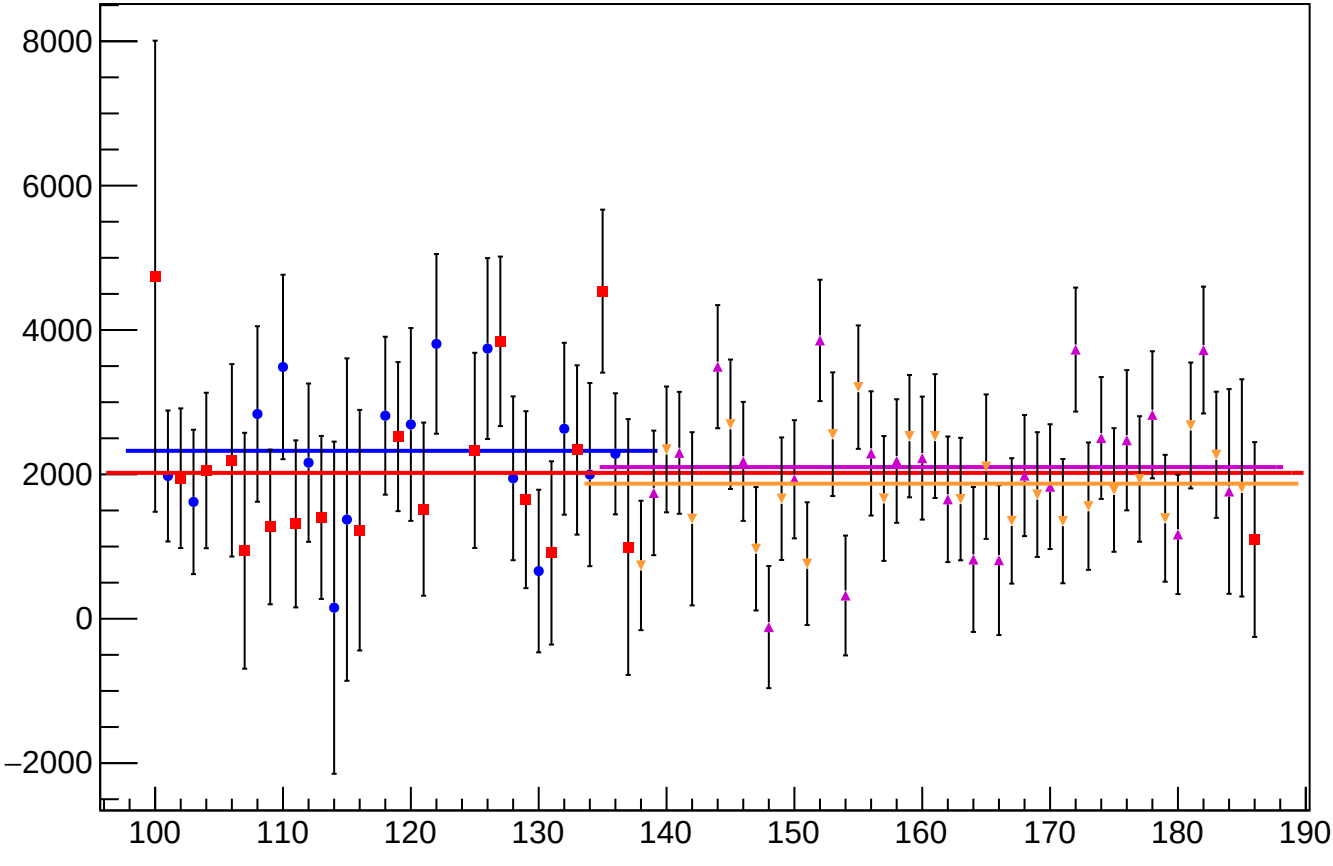
Right: 1191.717+/-0.223 χ^2/NDF: 1136061.6/34

In: 1291.109+/-0.185 χ^2/NDF:2167949.1/38

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

All: 1308.908+/-0.132 χ^2/NDF: 4034518.3/81

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

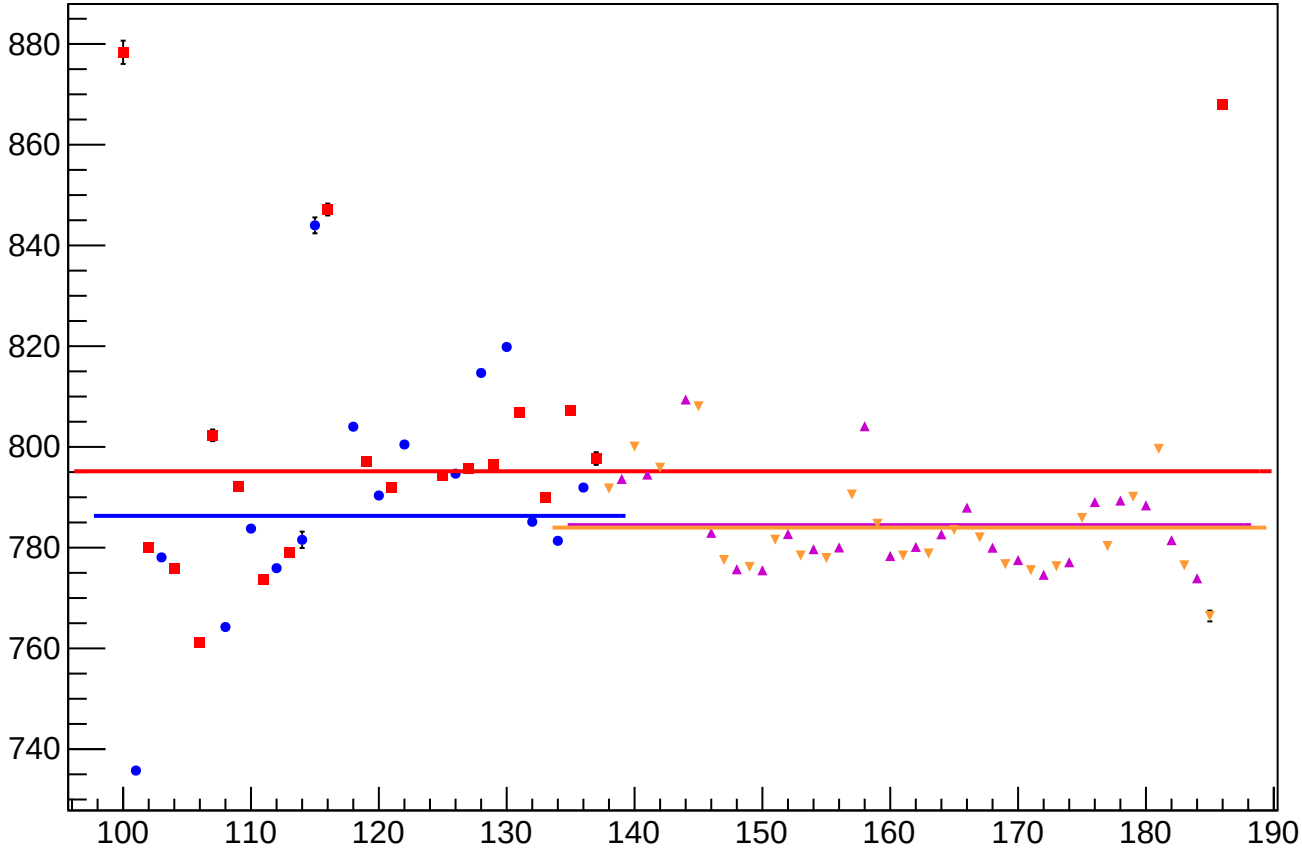
Right: 2169.926+/-204.088 χ^2/NDF: 20.8/34

In: 2164.641+/-155.200 χ^2/NDF:40.3/38

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

All: 2038.204+/-109.104 χ^2/NDF: 66.4/81

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

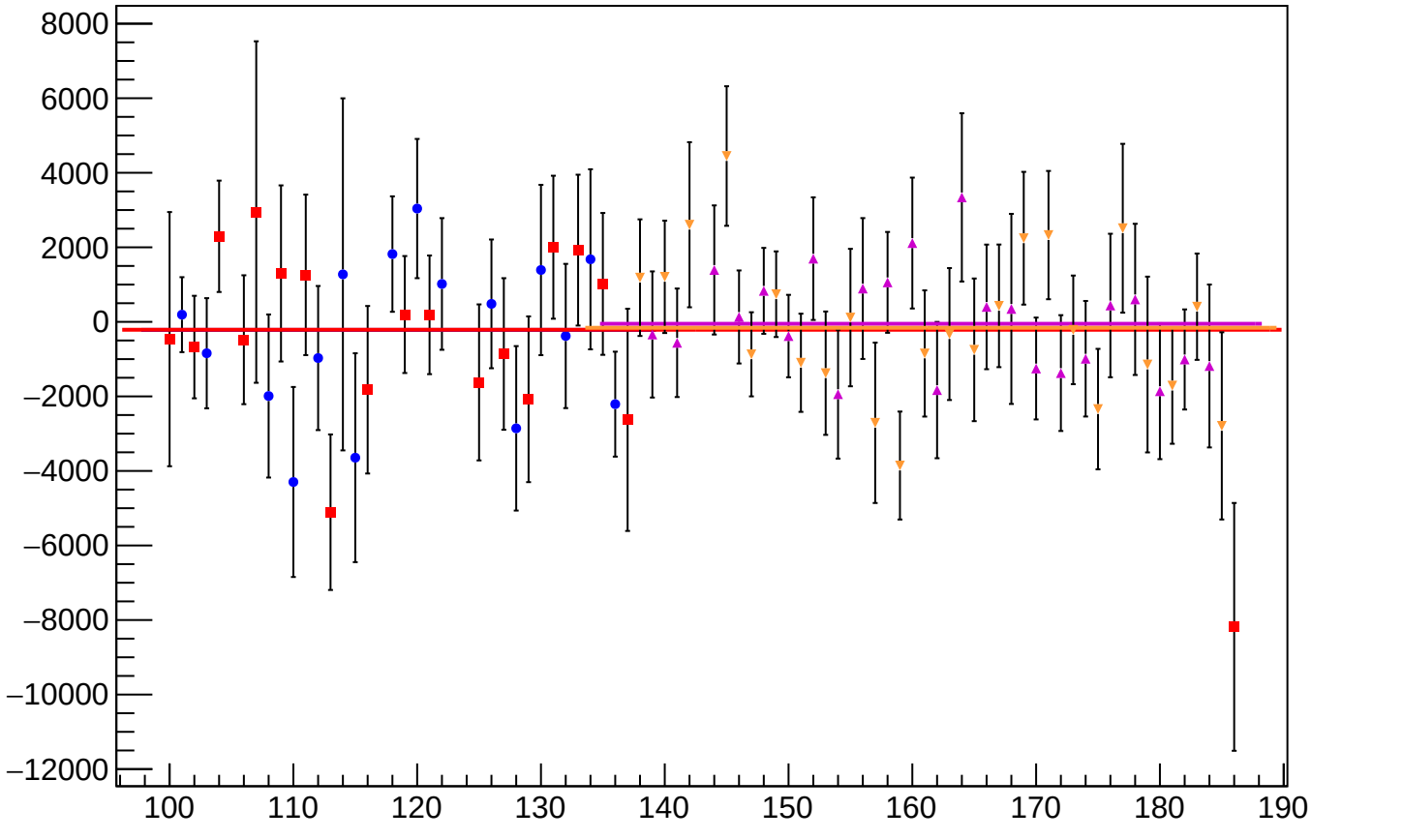
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 790.844+/-0.144 χ^2/NDF: 26636.2/34

In: 784.991+/-0.110 χ^2/NDF:17555.5/38

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

All: 786.117+/-0.077 χ^2/NDF: 38001.5/81



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

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

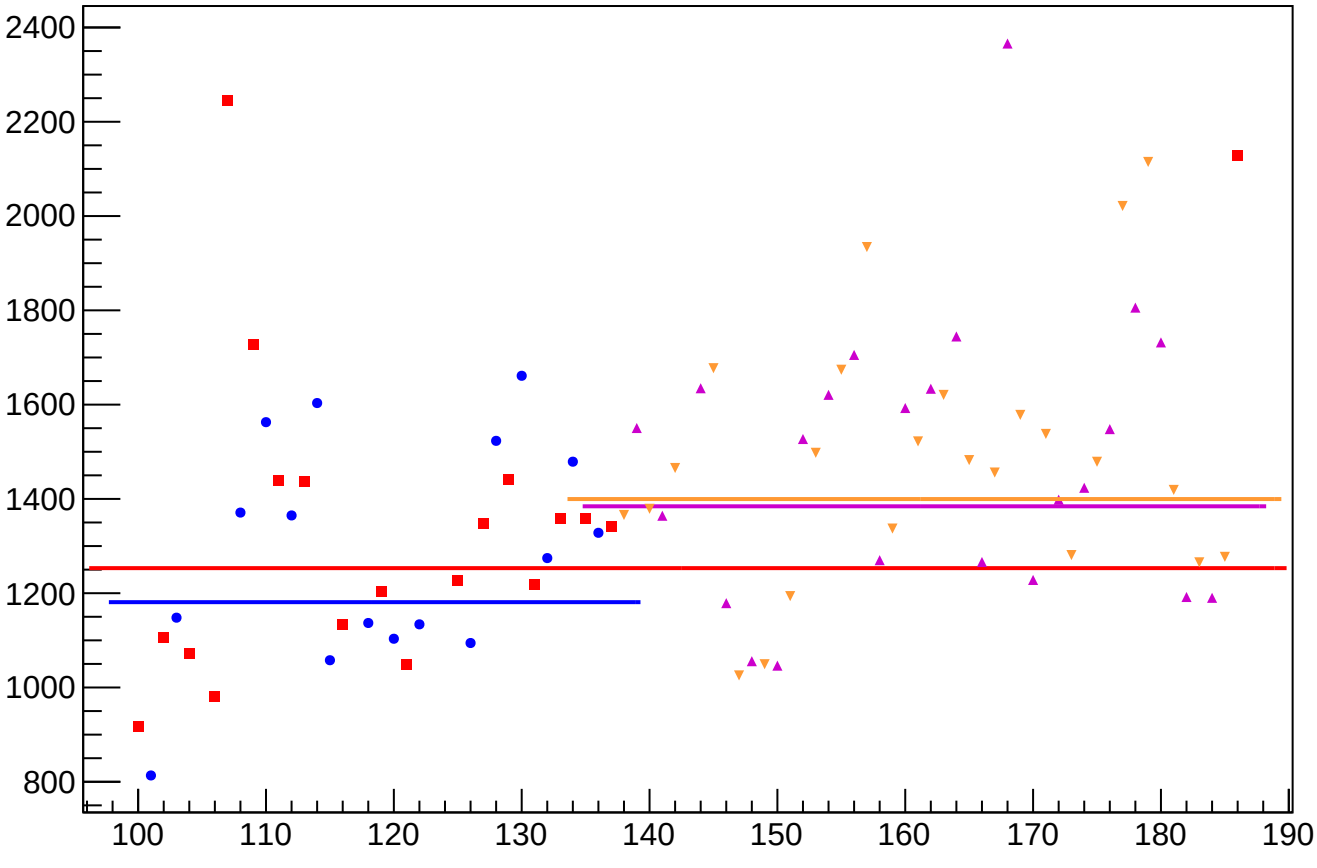
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -214.178+/-321.343 χ^2/NDF: 36.3/34

In: -109.524+/-266.126 χ^2/NDF:28.8/38

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

All: -143.070+/-189.261 χ^2/NDF: 78.9/81



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

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

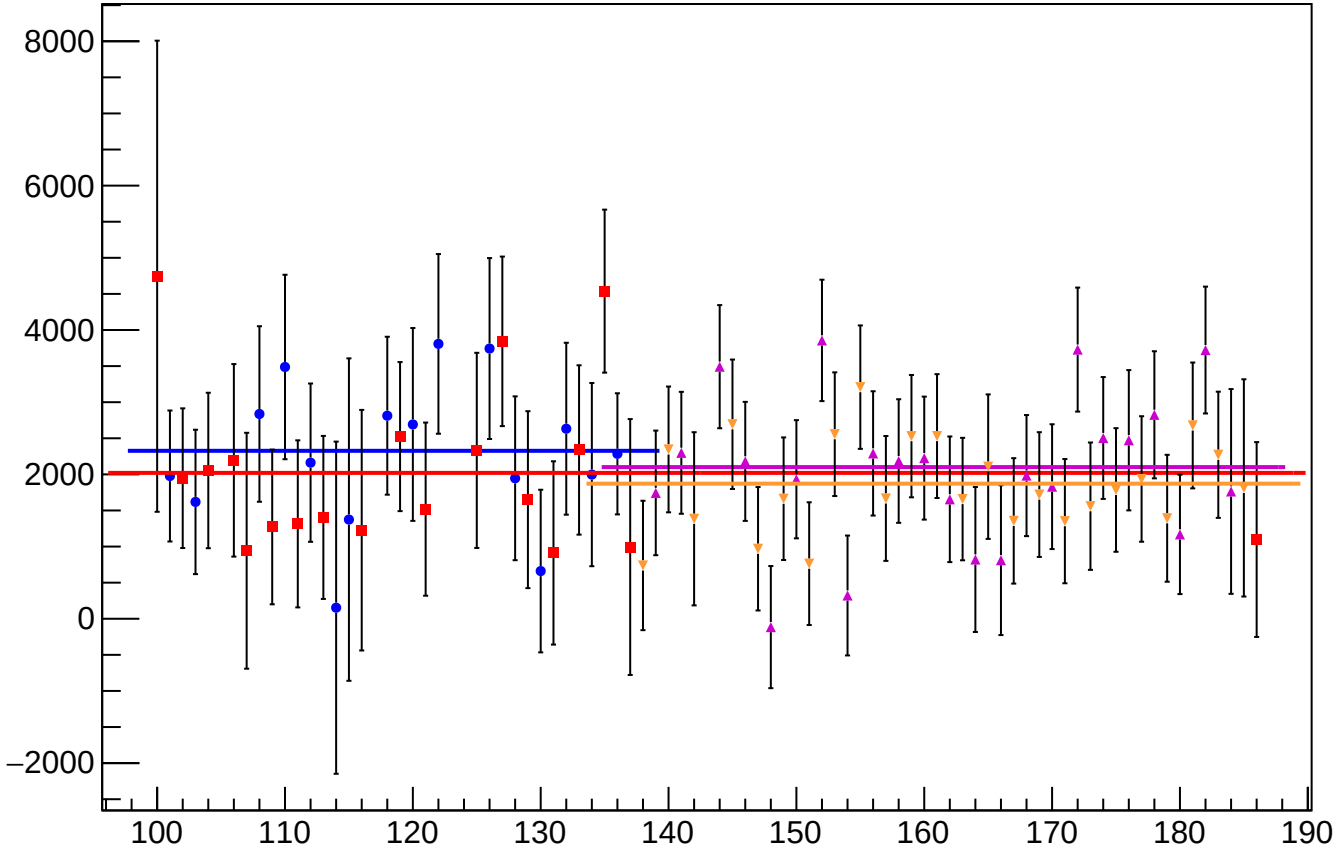
Right: 1216.295+/-0.227 χ^2/NDF: 1134786.0/34

In: 1313.072+/-0.188 χ^2/NDF:2106829.1/38

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

All: 1331.037+/-0.134 χ^2/NDF: 3933664.3/81

eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

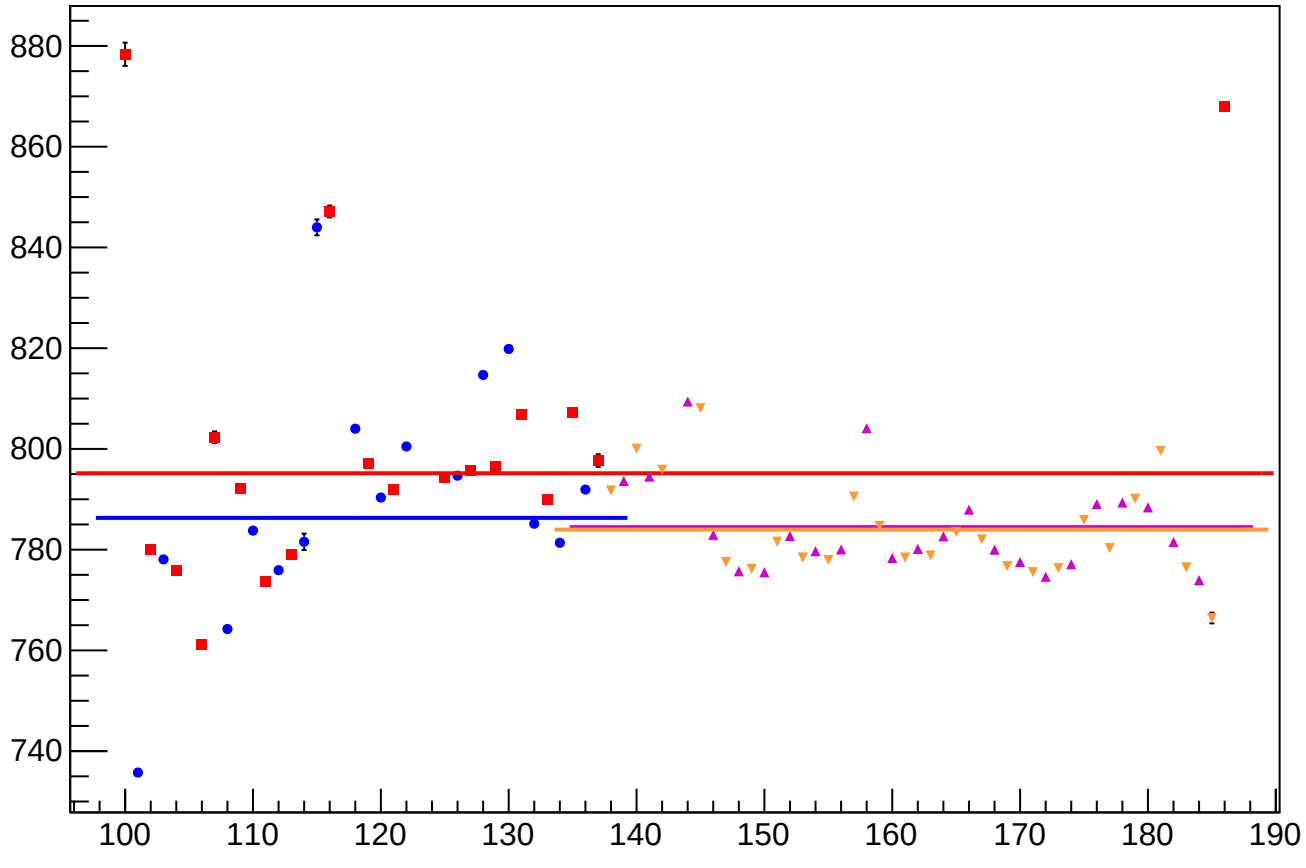
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2169.925+/-204.088 χ^2/NDF: 20.8/34

In: 2164.641+/-155.200 χ^2/NDF:40.3/38

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

All: 2038.203+/-109.104 χ^2/NDF: 66.4/81



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

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

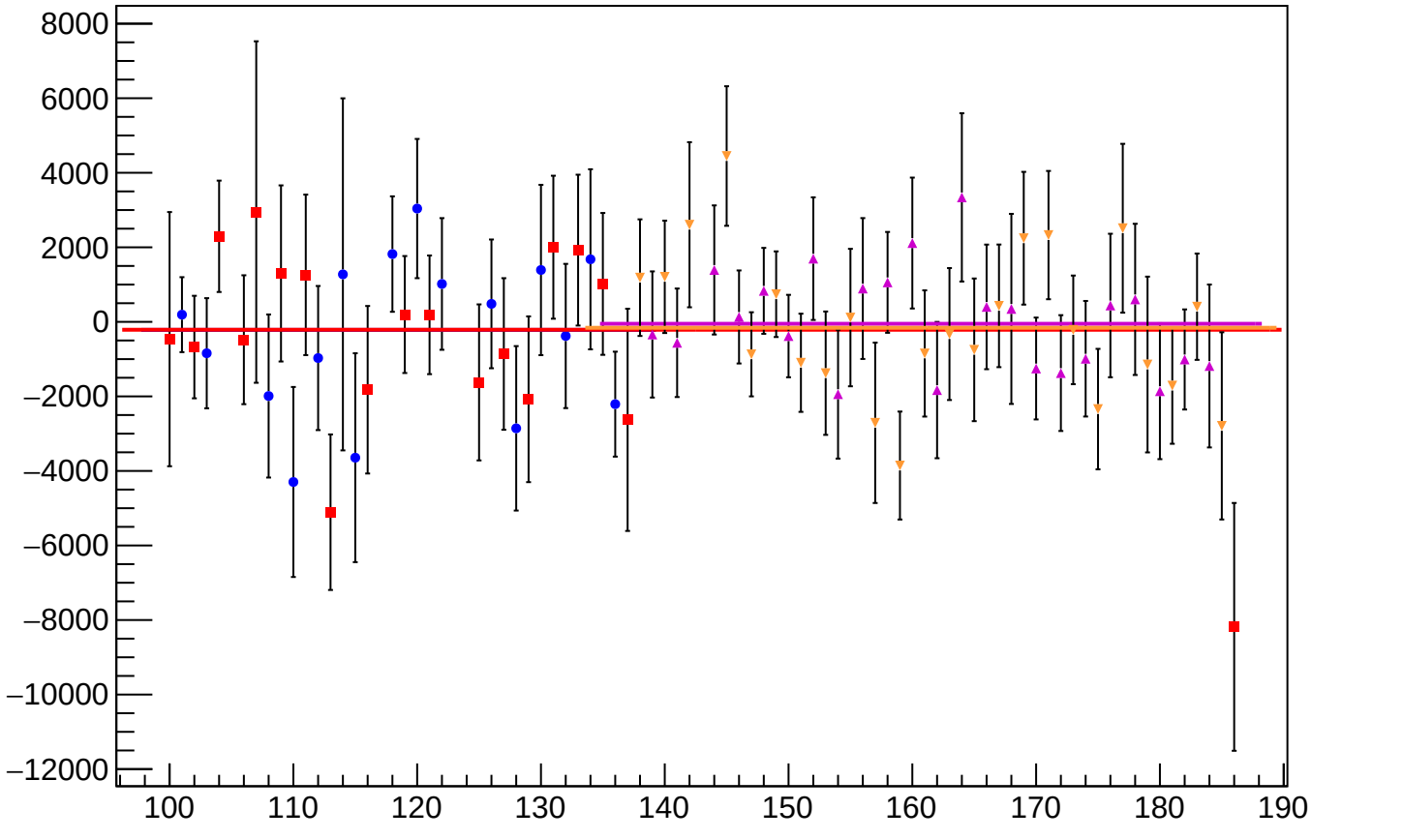
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 790.844+/-0.144 χ^2/NDF: 26636.1/34

In: 784.991+/-0.110 χ^2/NDF:17555.5/38

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

All: 786.117+/-0.077 χ^2/NDF: 38001.3/81



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

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

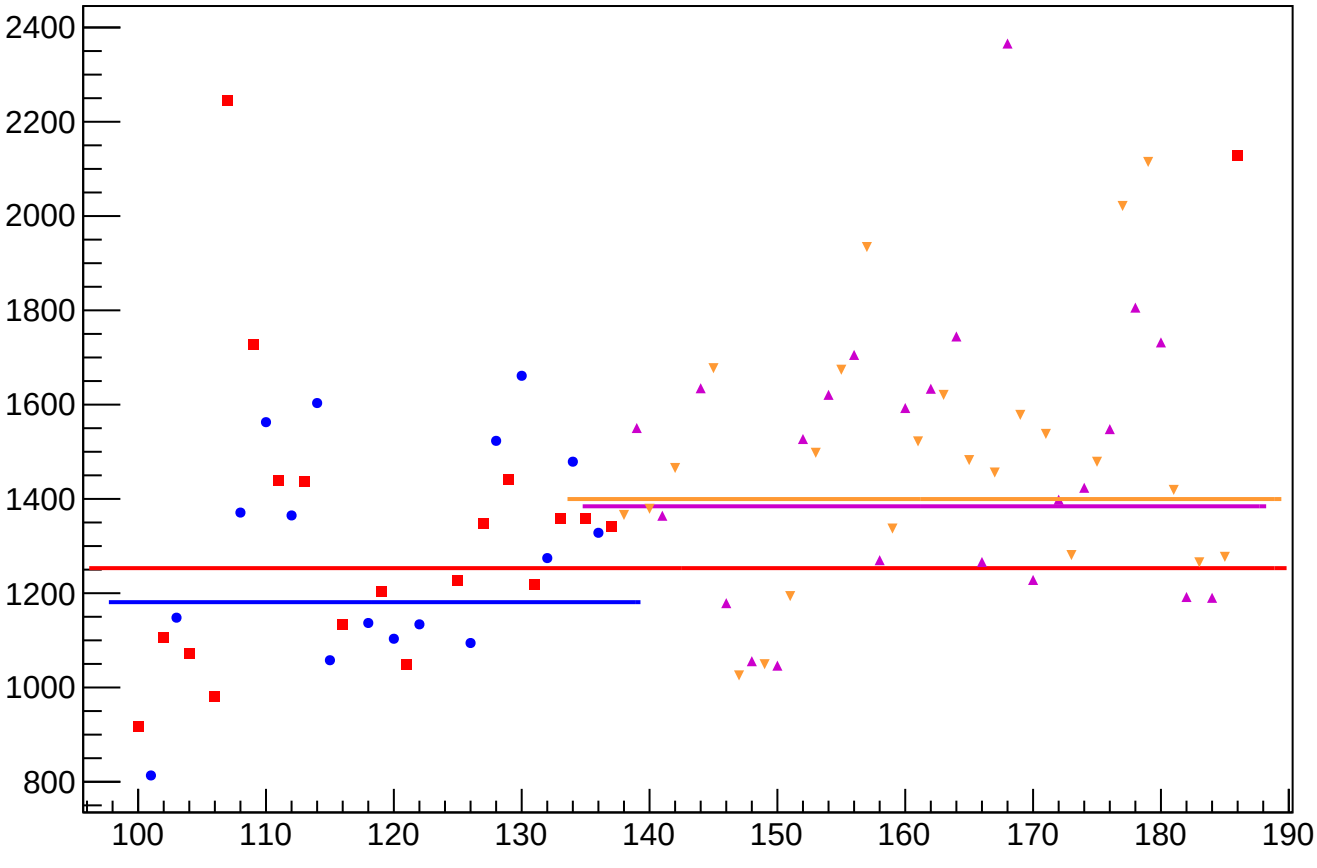
Left: -105.305+/-234.190 χ^2/NDF: 42.6/46

Right: -214.176+/-321.343 χ^2/NDF: 36.3/34

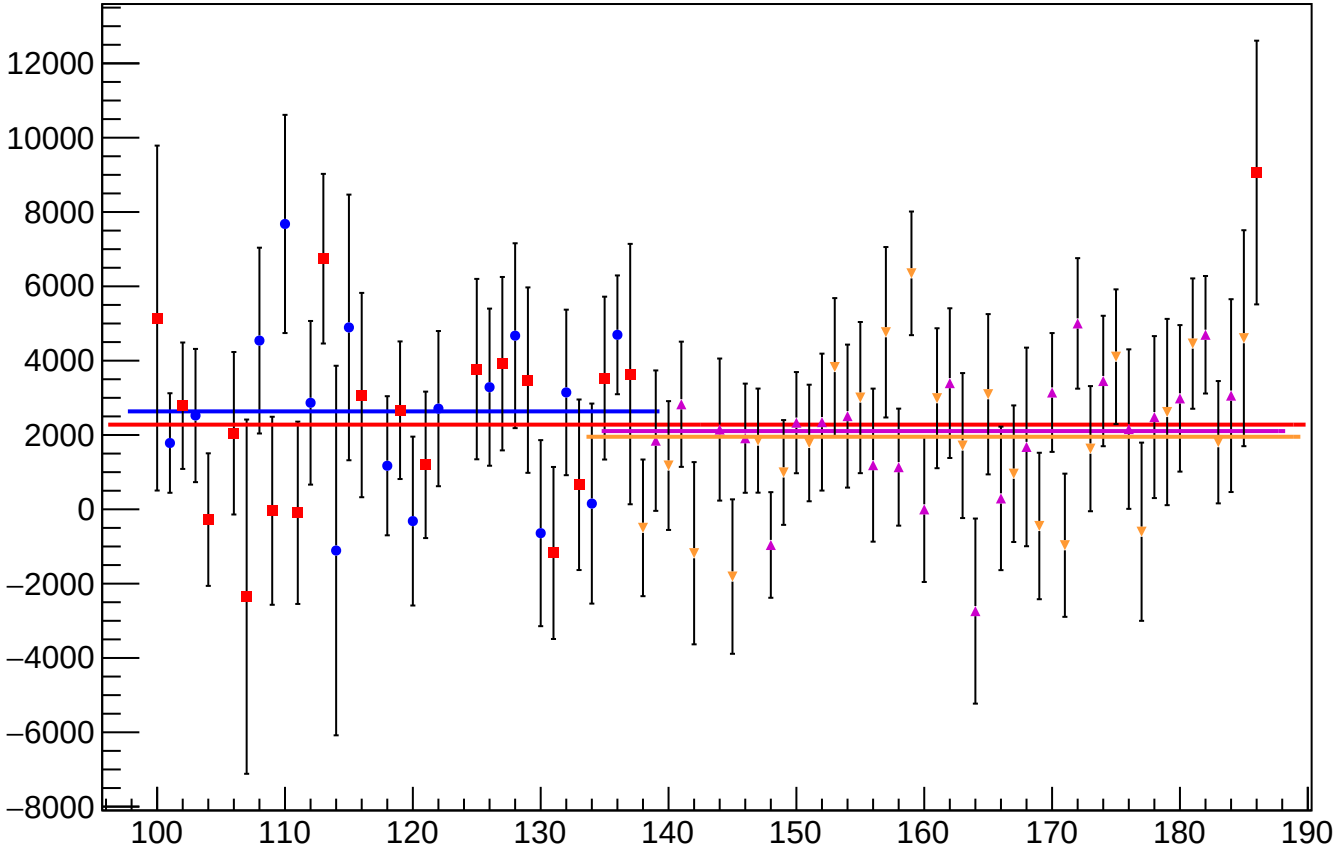
In: -109.524+/-266.126 χ^2/NDF:28.8/38

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

All: -143.071+/-189.261 χ^2/NDF: 78.9/81


asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
190
Right In: 1180.995+/-0.318 χ²/NDF: 571105.7/15
Left Out: 1399.720+/-0.235 χ²/NDF:1136351.3/23
Right Out: 1253.174+/-0.325 χ²/NDF: 538464.3/18
Left In: 1384.336+/-0.233 χ²/NDF:1269937.1/22
Left: 1391.982+/-0.166 χ²/NDF: 2408445.8/46
Right: 1216.292+/-0.227 χ²/NDF: 1134784.3/34
In: 1313.072+/-0.188 χ²/NDF:2106842.6/38
Out: 1349.421+/-0.190 χ²/NDF:1808407.1/42
All: 1331.037+/-0.134 χ²/NDF: 3933690.6/81

asym_us_avg_mean vs Slug, Sign Corrected



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

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

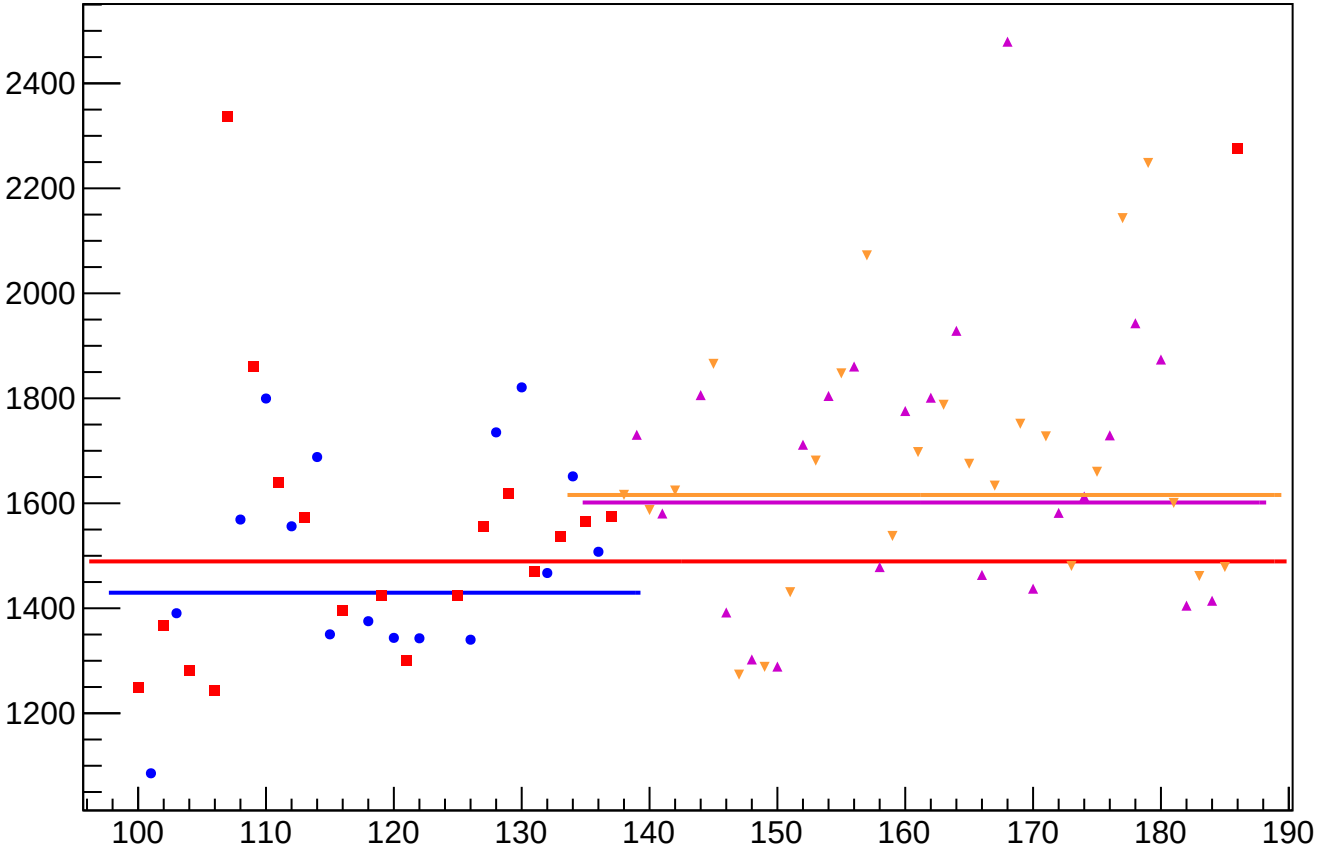
Right: 2458.044+/-381.520 χ^2/NDF: 29.9/34

In: 2281.210+/-309.872 χ^2/NDF:31.5/38

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

All: 2171.188+/-219.552 χ^2/NDF: 76.8/81

asym_us_avg_rms vs Slug, Sign Corrected



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

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

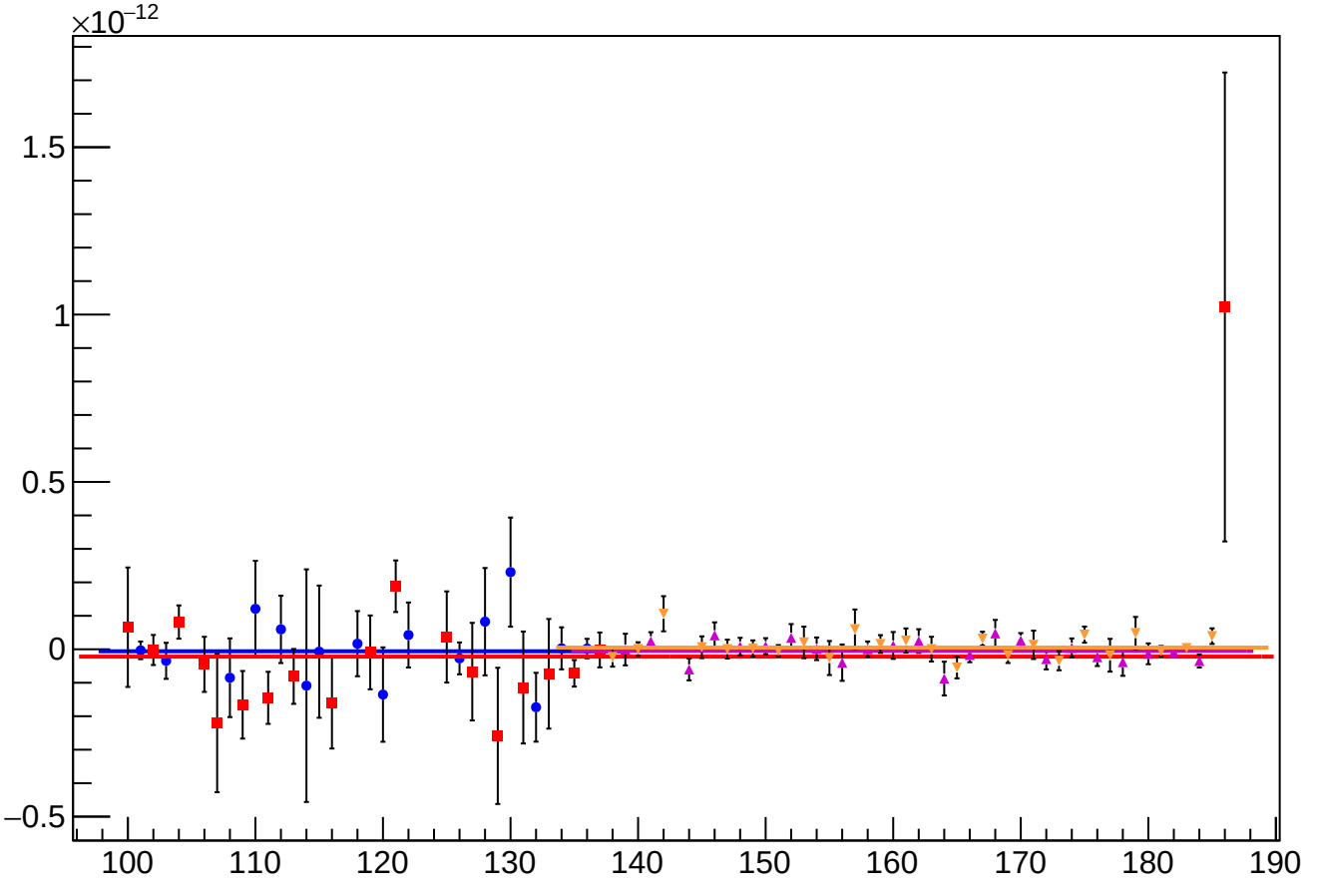
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1459.298+/-0.270 χ^2/NDF: 624157.9/34

In: 1544.496+/-0.219 χ^2/NDF:1223457.0/38

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

All: 1559.191+/-0.155 χ^2/NDF: 2318660.2/81



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

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

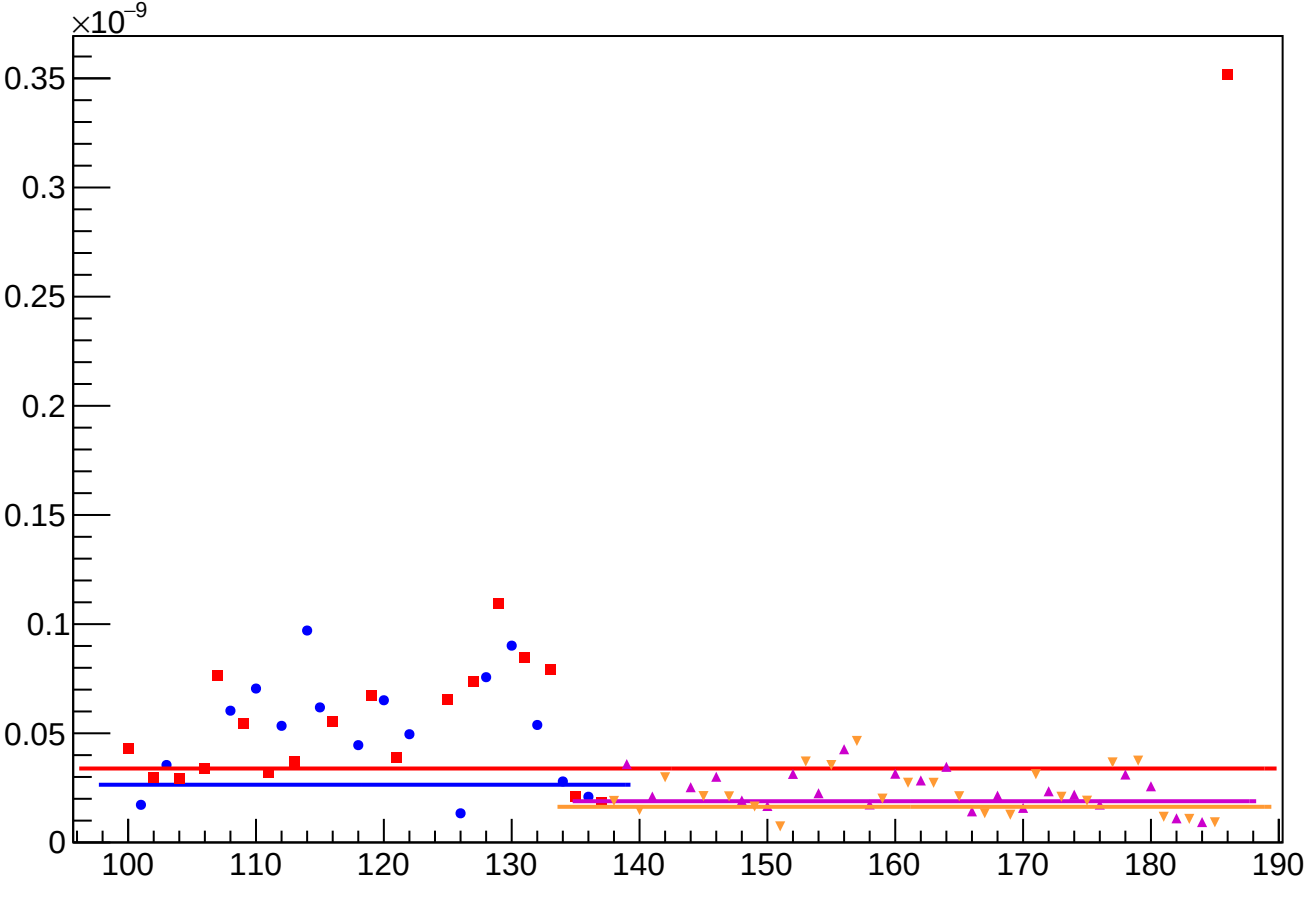
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 34.3/34

In: -0.000+/-0.000 χ^2/NDF:27.9/38

Out: 0.000+/-0.000 χ^2/NDF:48.3/42

All: -0.000+/-0.000 χ^2/NDF: 77.4/81



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

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

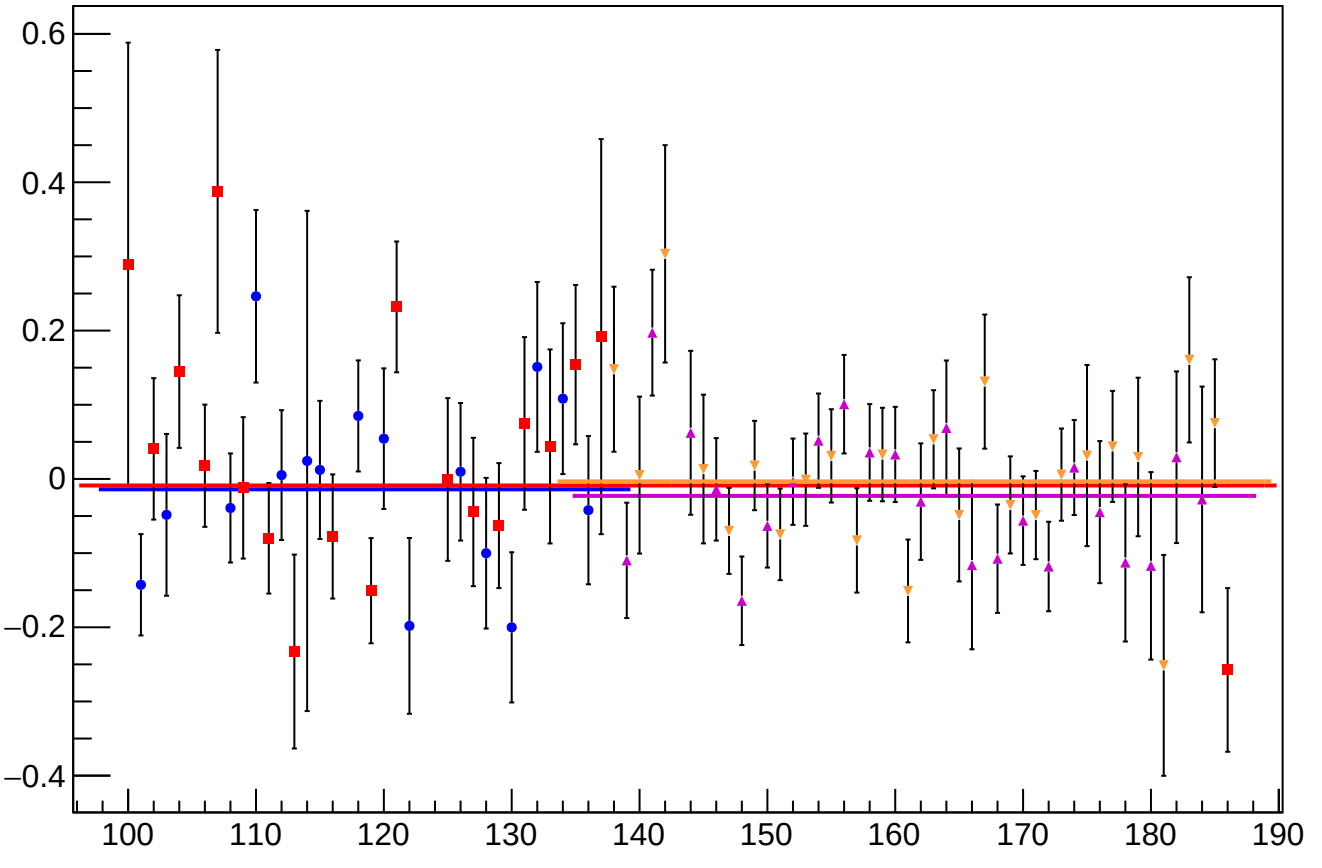
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 4459115.6/34

In: 0.000+/-0.000 χ^2/NDF:5827096.4/38

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

All: 0.000+/-0.000 χ^2/NDF: 14094705.8/81



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

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

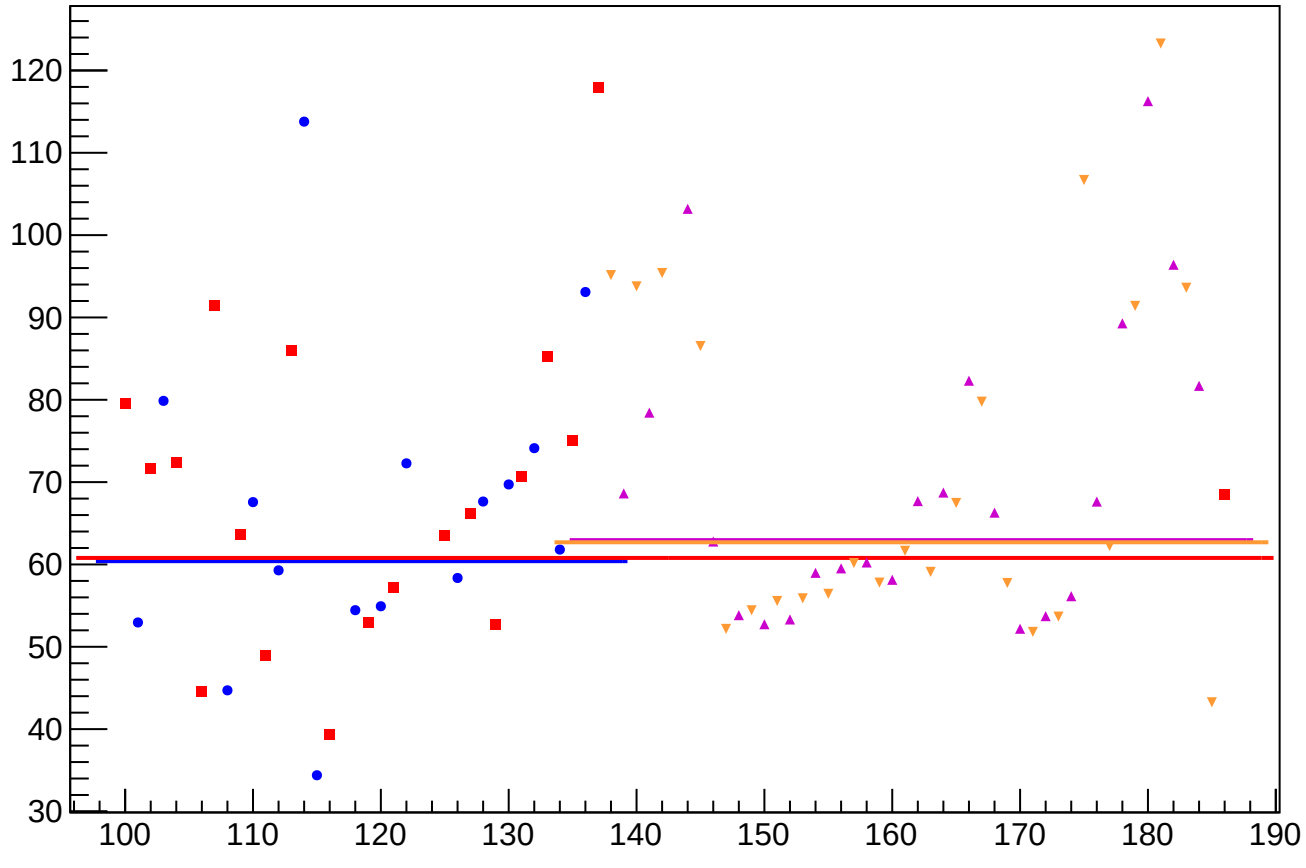
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.017 χ^2/NDF: 54.5/34

In: -0.020+/-0.013 χ^2/NDF:50.4/38

Out: -0.005+/-0.013 χ^2/NDF:59.0/42

All: -0.013+/-0.009 χ^2/NDF: 110.1/81



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

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

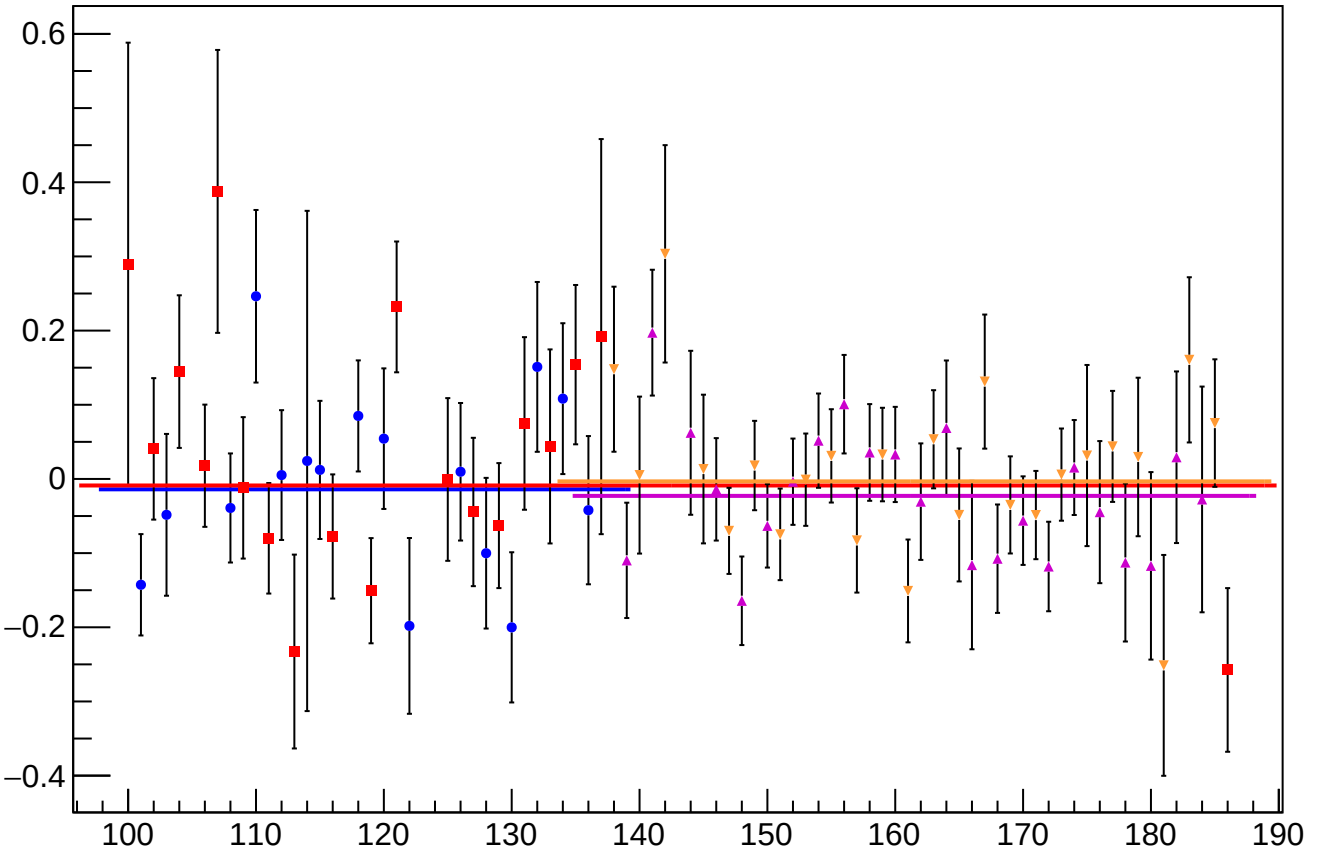
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

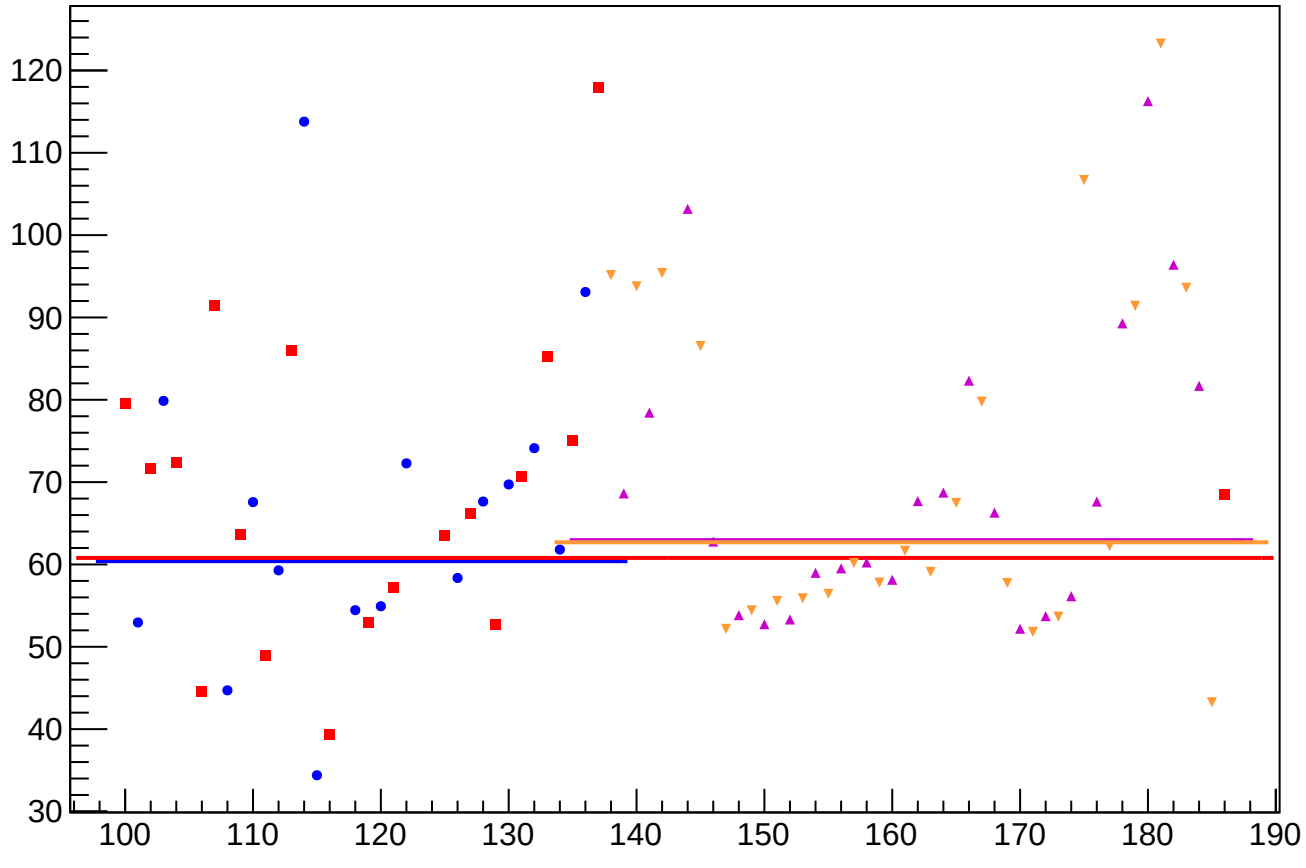
Right: 60.601+/-0.012 χ^2/NDF: 1424779.8/34

In: 62.197+/-0.009 χ^2/NDF:2149730.2/38

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

All: 62.153+/-0.006 χ^2/NDF: 4819771.9/81


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.009+/-0.023 χ²/NDF: 33.1/18
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.017 χ²/NDF: 54.5/34
In: -0.020+/-0.013 χ²/NDF:50.4/38
Out: -0.005+/-0.013 χ²/NDF:59.0/42
All: -0.013+/-0.009 χ²/NDF: 110.1/81



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

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

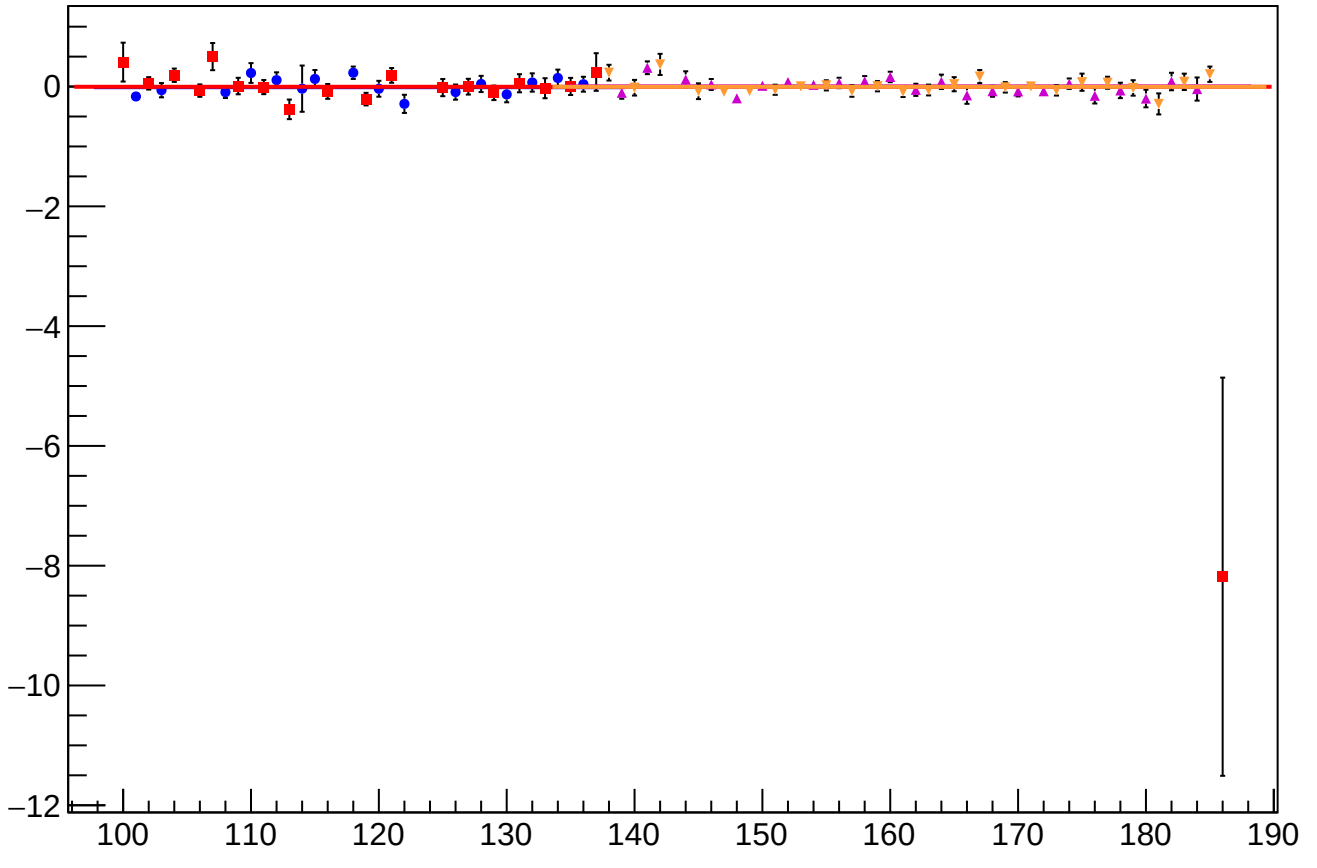
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 60.601+/-0.012 χ^2/NDF: 1424779.8/34

In: 62.197+/-0.009 χ^2/NDF:2149730.2/38

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

All: 62.153+/-0.006 χ^2/NDF: 4819771.9/81



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

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

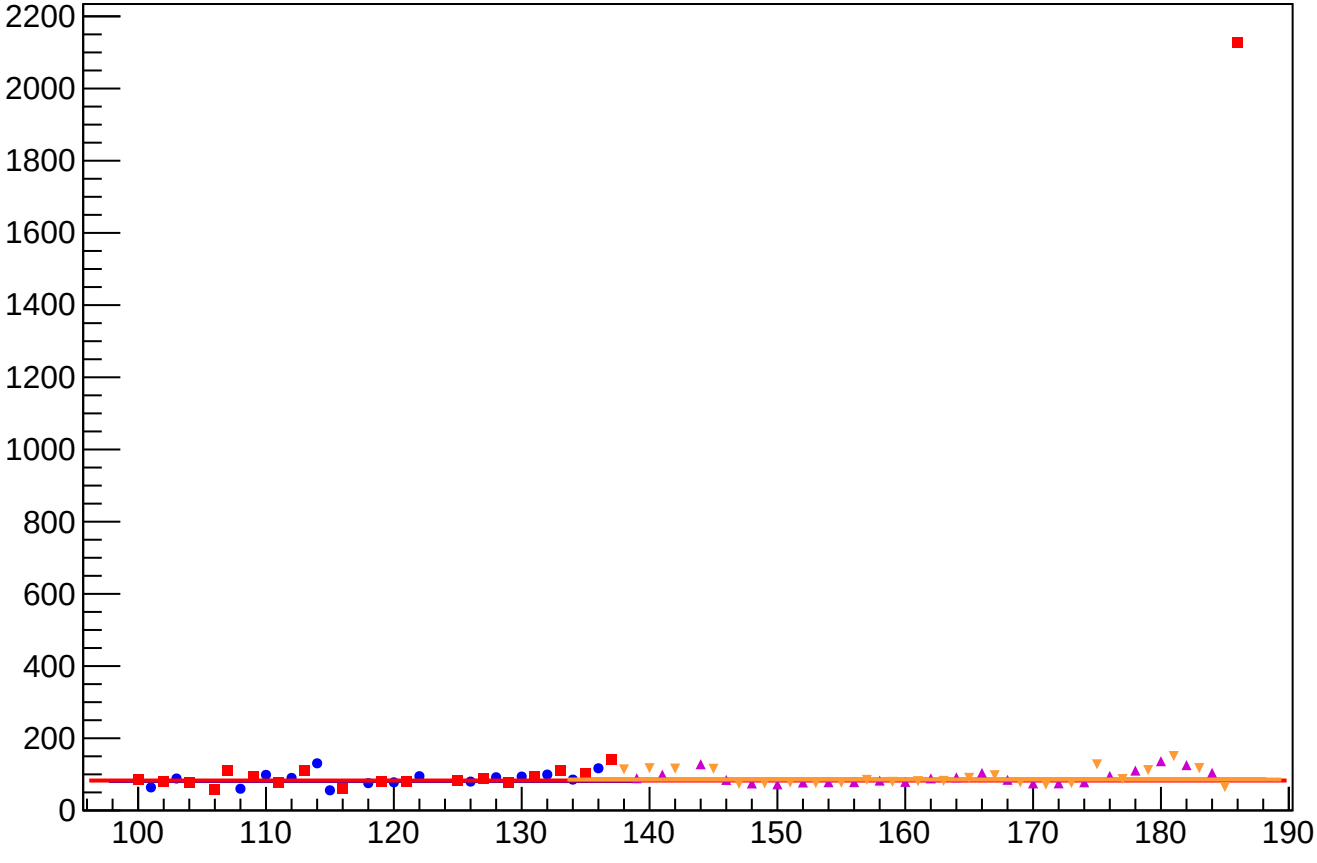
Right: -0.007+/-0.022 χ^2/NDF: 49.9/34

In: -0.002+/-0.017 χ^2/NDF:50.8/38

Out: -0.004+/-0.017 χ^2/NDF:51.1/42

All: -0.003+/-0.012 χ^2/NDF: 101.9/81

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

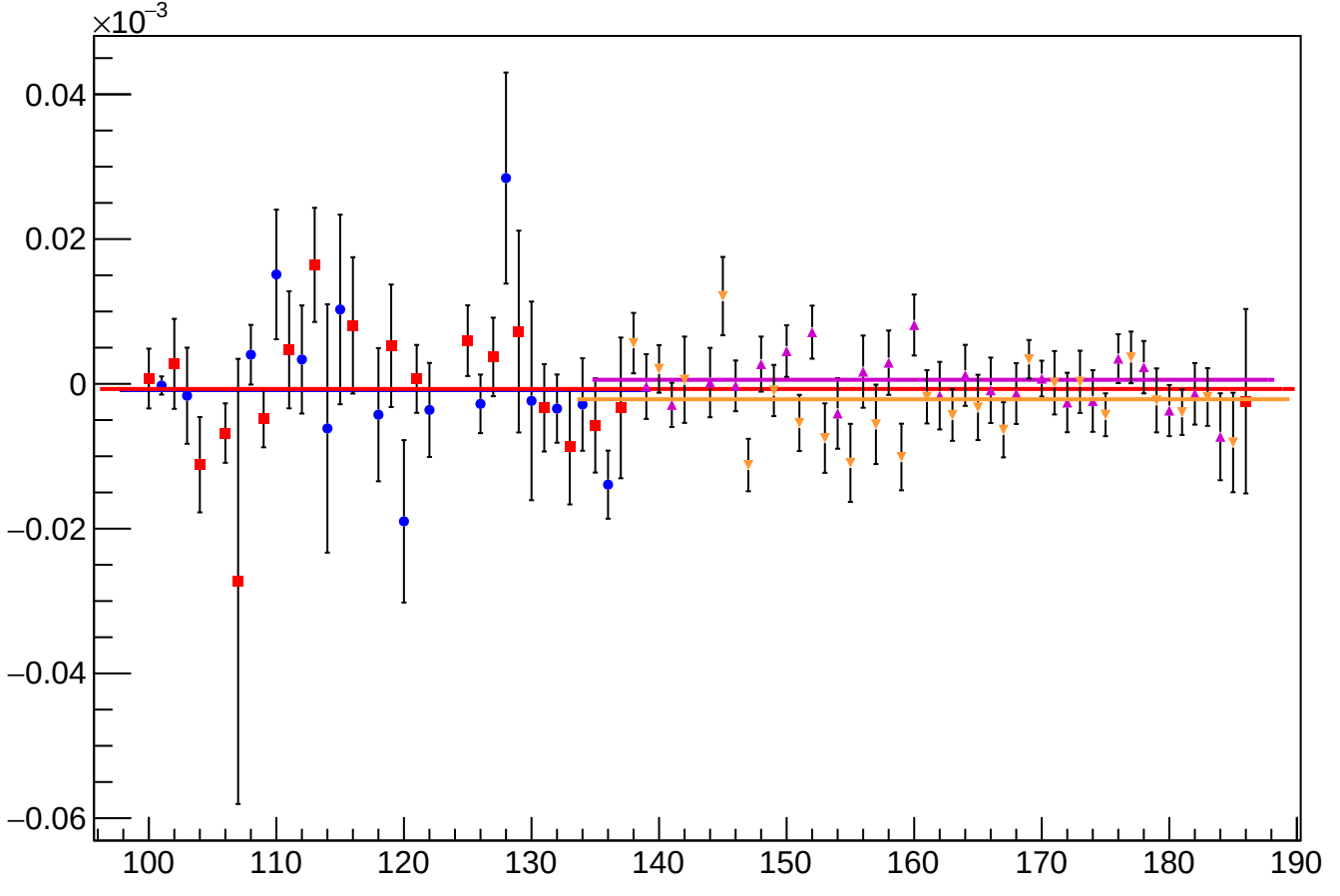
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 82.273+/-0.016 χ^2/NDF: 1793472.1/34

In: 84.475+/-0.012 χ^2/NDF:1580322.1/38

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

All: 84.651+/-0.009 χ^2/NDF: 4174250.2/81



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

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

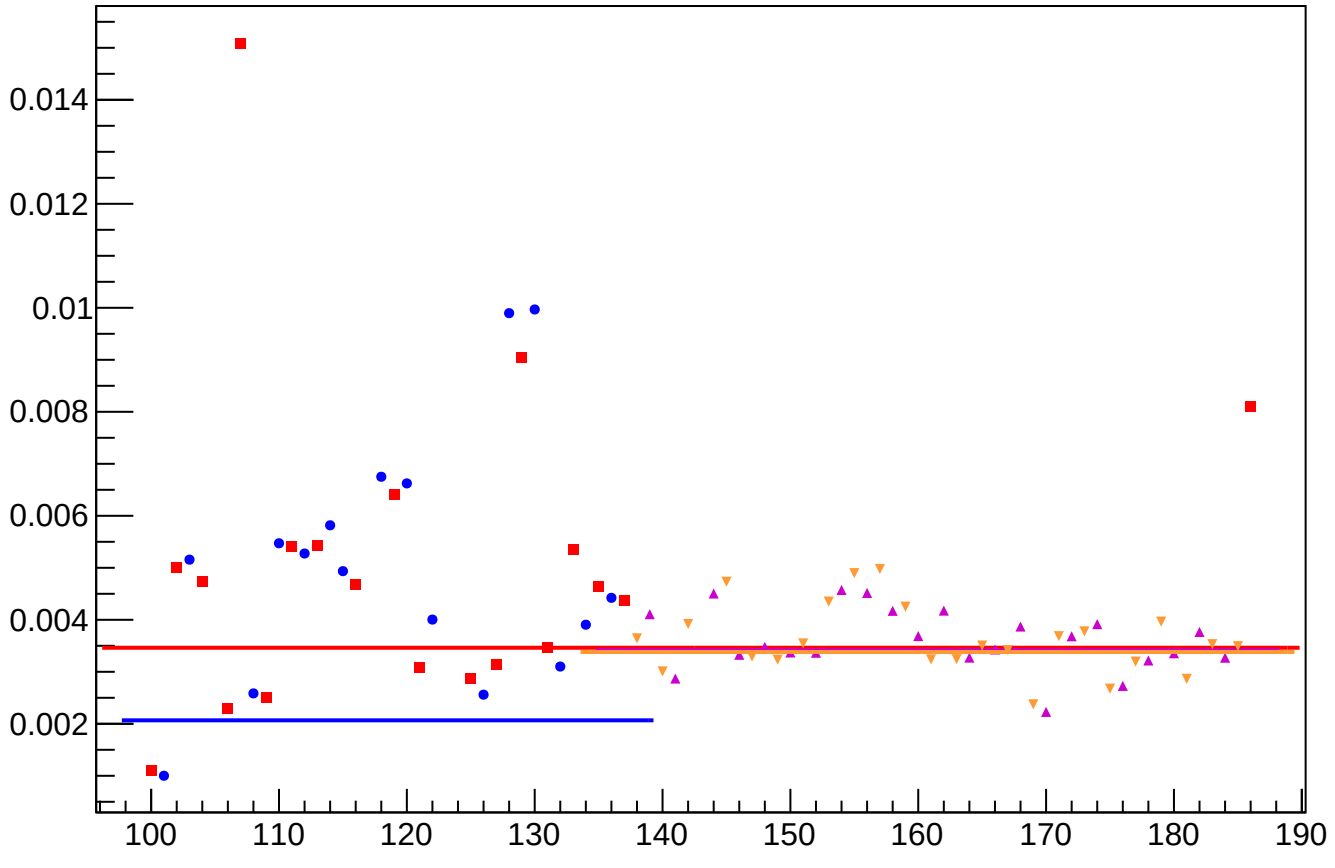
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 39.7/34

In: 0.000+/-0.000 χ^2/NDF:39.1/38

Out: -0.000+/-0.000 χ^2/NDF:56.6/42

All: -0.000+/-0.000 χ^2/NDF: 99.2/81



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

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

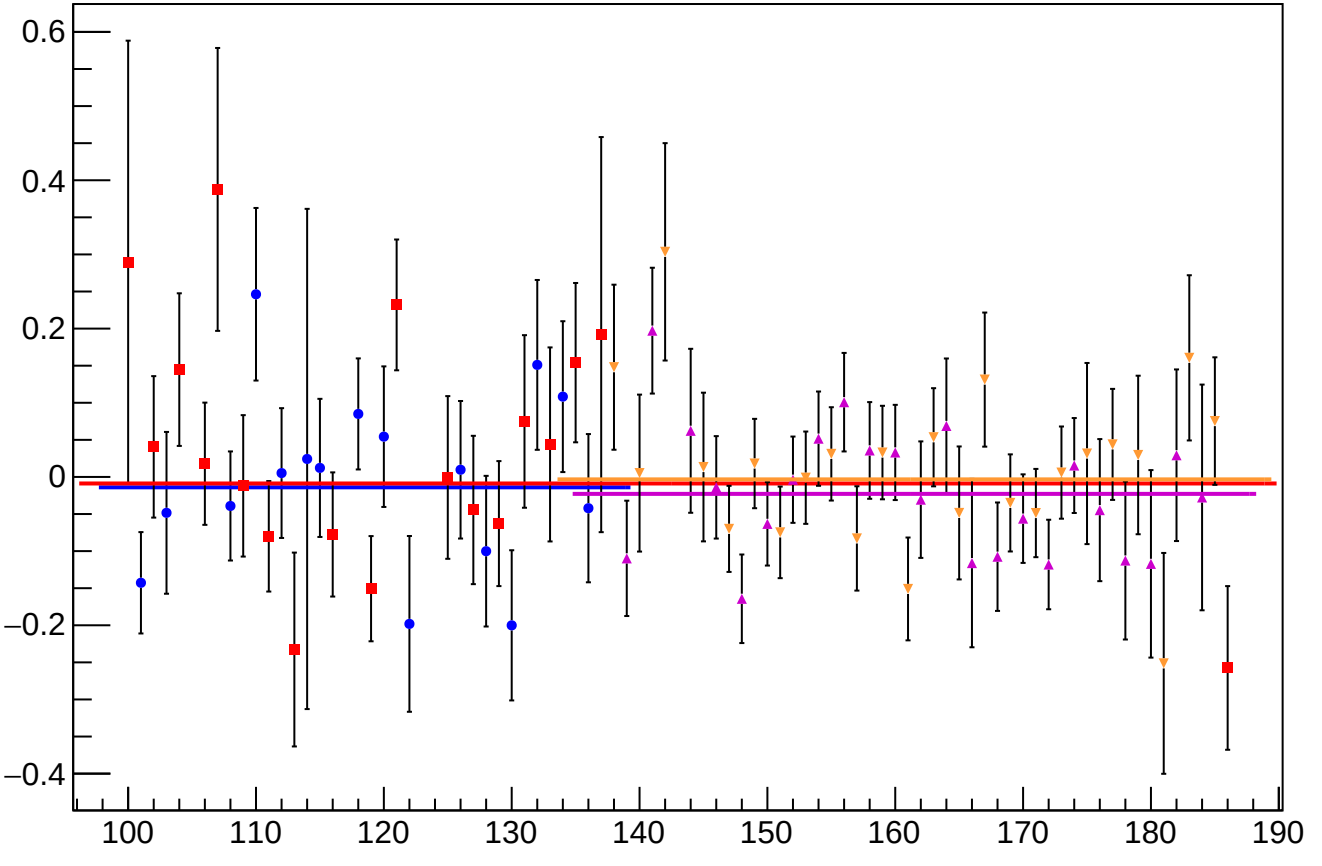
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

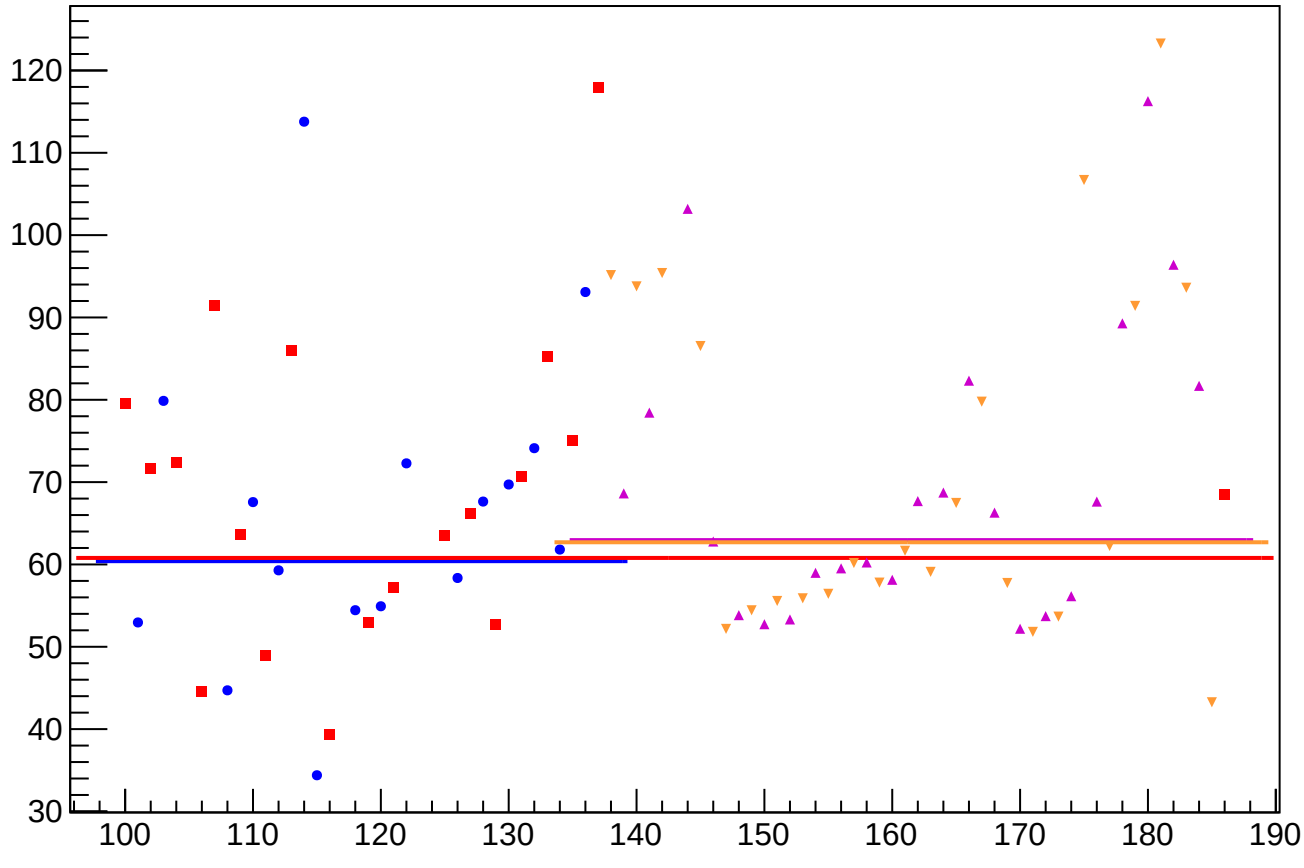
Right: 0.003+/-0.000 χ^2/NDF: 9863747.7/34

In: 0.003+/-0.000 χ^2/NDF:9148709.2/38

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

All: 0.003+/-0.000 χ^2/NDF: 13711509.0/81


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.009+/-0.023 χ²/NDF: 33.1/18
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.017 χ²/NDF: 54.5/34
In: -0.020+/-0.013 χ²/NDF:50.4/38
Out: -0.005+/-0.013 χ²/NDF:59.0/42
All: -0.013+/-0.009 χ²/NDF: 110.1/81



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

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

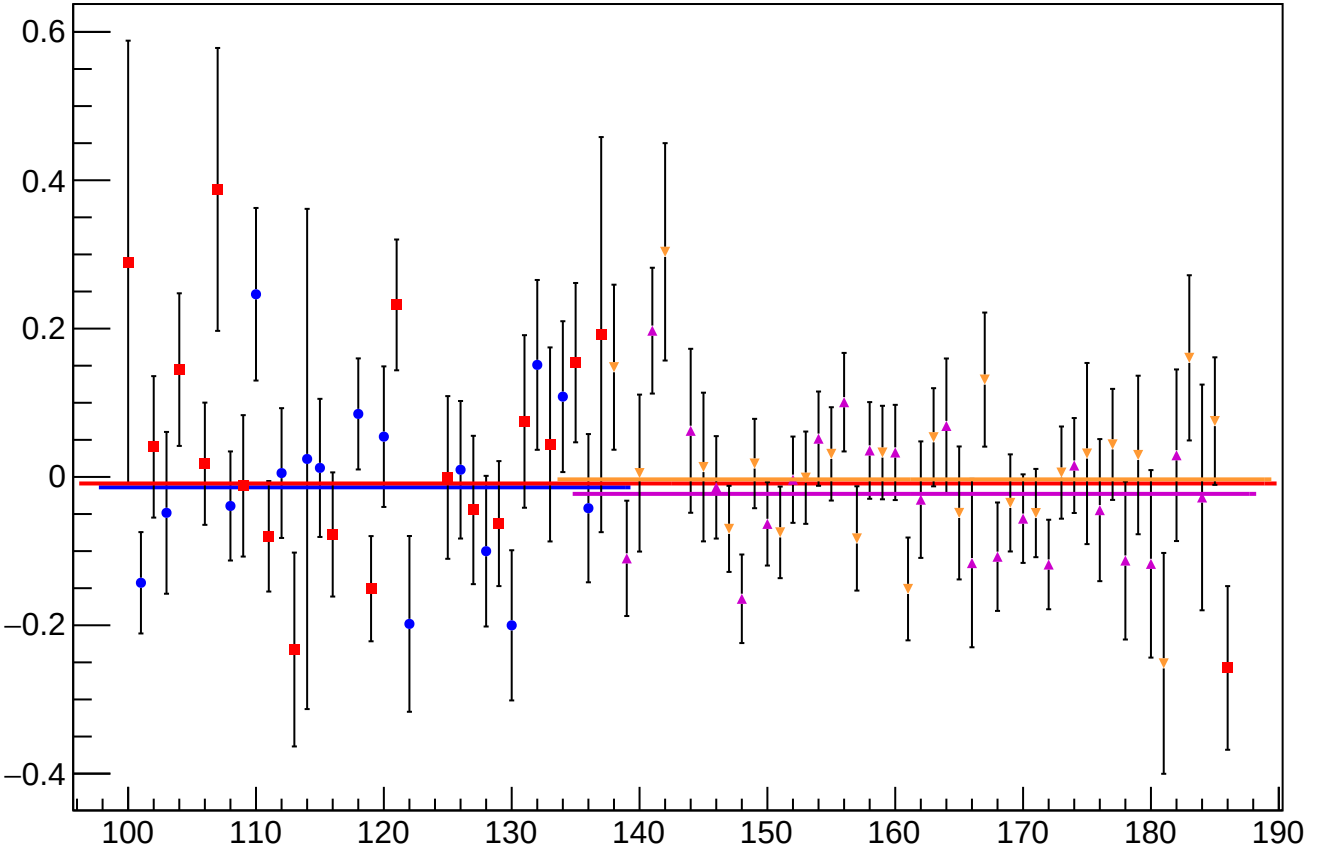
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 60.600+/-0.012 χ^2/NDF: 1424823.8/34

In: 62.197+/-0.009 χ^2/NDF:2149739.7/38

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

All: 62.153+/-0.006 χ^2/NDF: 4819816.2/81



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

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

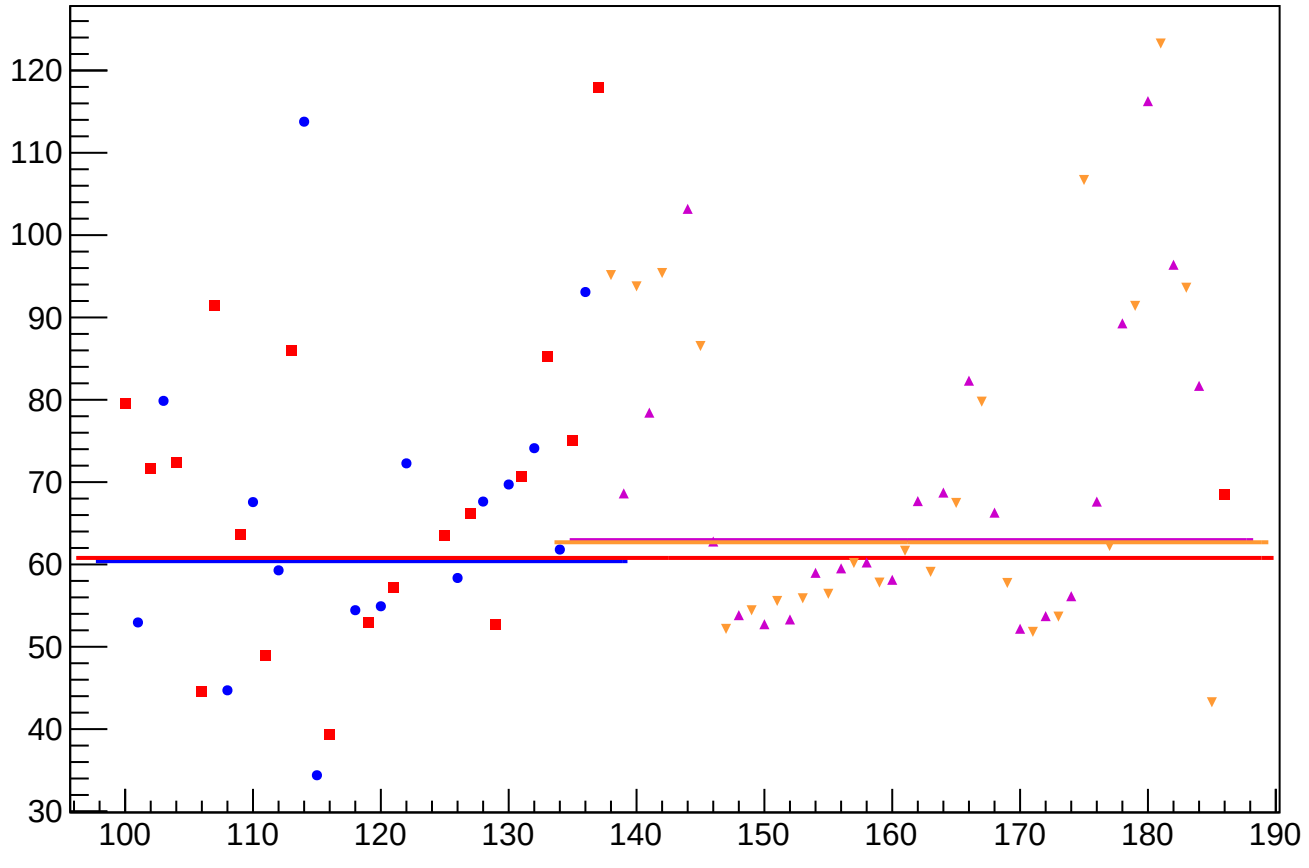
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.017 χ^2/NDF: 54.5/34

In: -0.020+/-0.013 χ^2/NDF:50.4/38

Out: -0.005+/-0.013 χ^2/NDF:59.0/42

All: -0.013+/-0.009 χ^2/NDF: 110.1/81



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

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

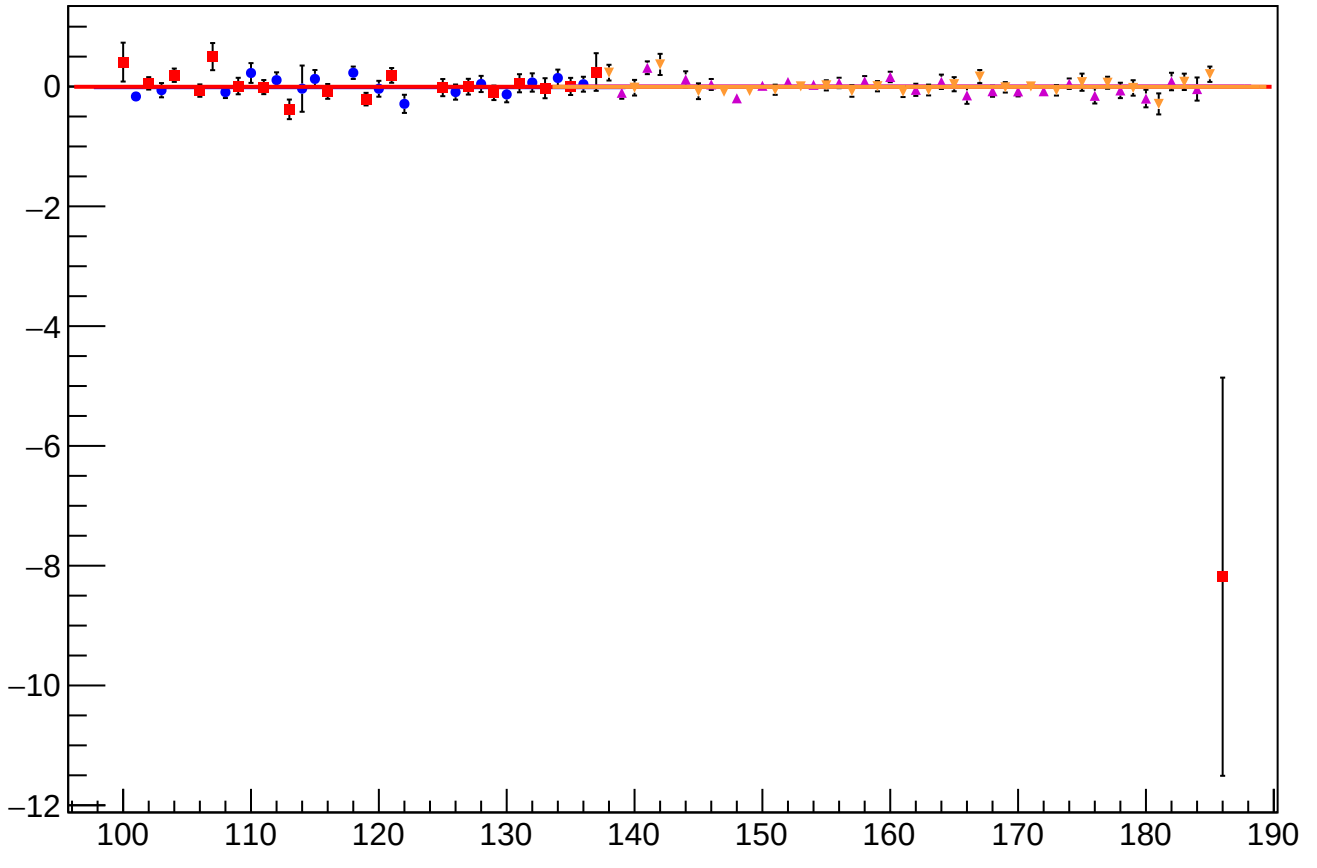
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 60.600+/-0.012 χ^2/NDF: 1424823.8/34

In: 62.197+/-0.009 χ^2/NDF:2149739.7/38

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

All: 62.153+/-0.006 χ^2/NDF: 4819816.2/81



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

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

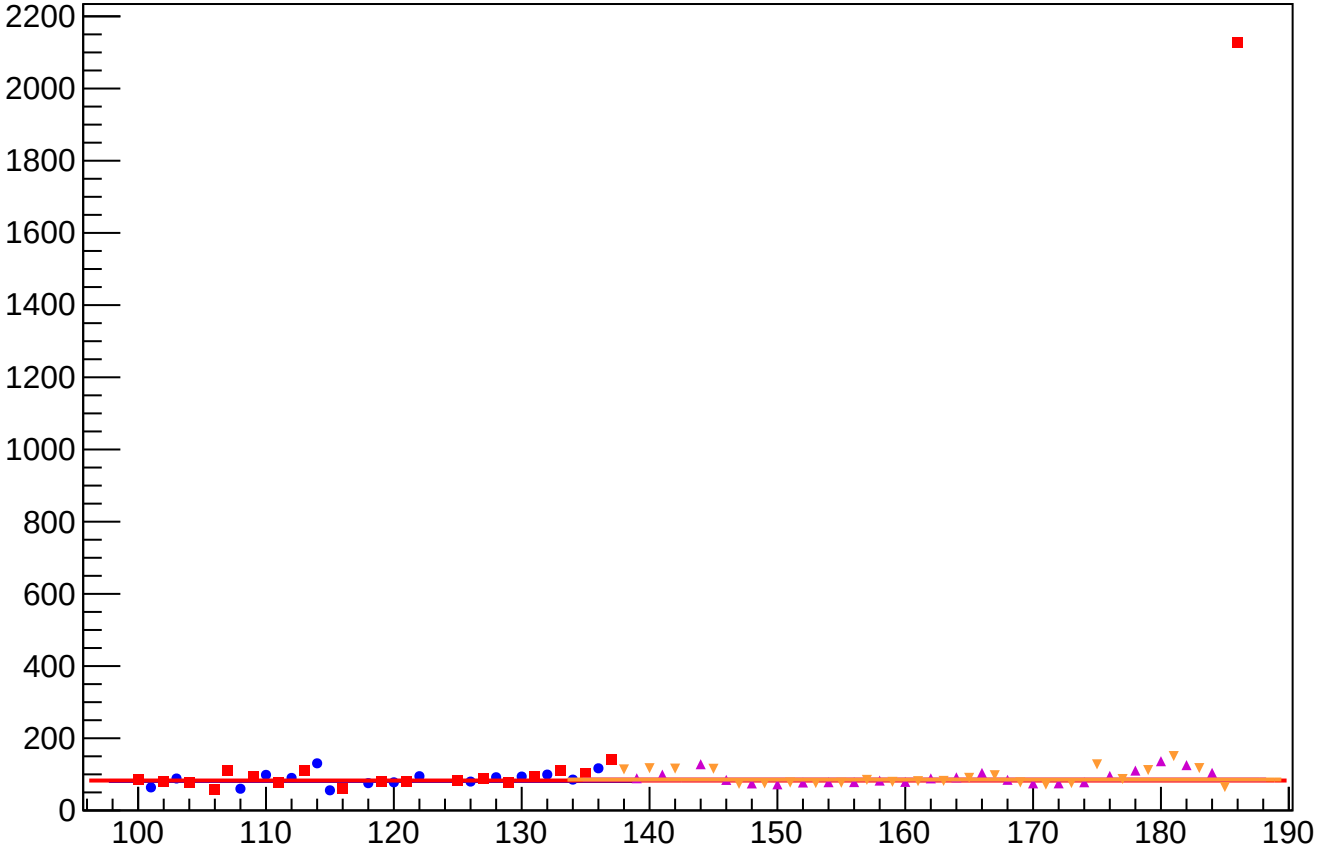
Right: -0.007+/-0.022 χ^2/NDF: 49.9/34

In: -0.002+/-0.017 χ^2/NDF:50.8/38

Out: -0.004+/-0.017 χ^2/NDF:51.1/42

All: -0.003+/-0.012 χ^2/NDF: 101.9/81

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

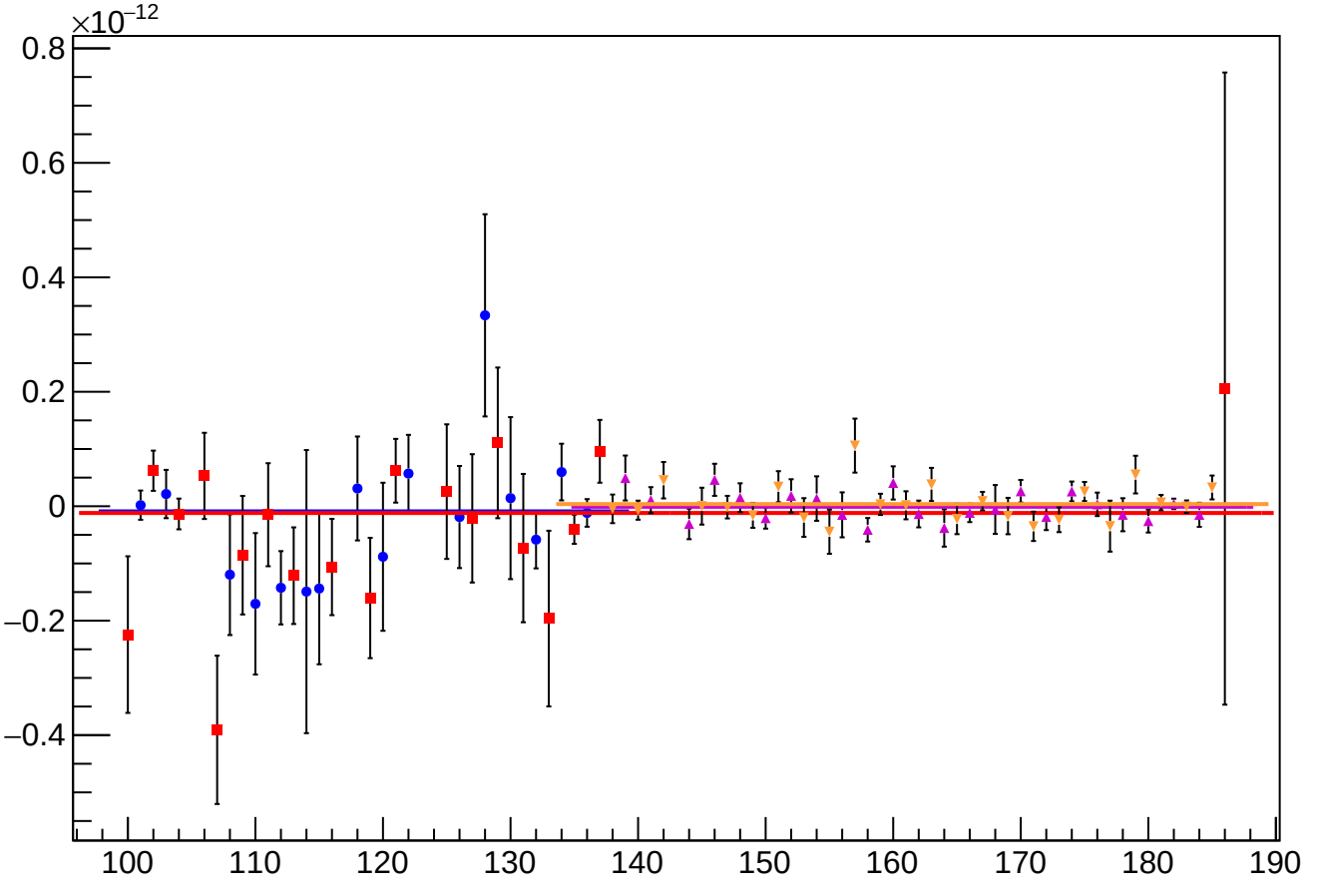
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 82.272+/-0.016 χ^2/NDF: 1793456.8/34

In: 84.475+/-0.012 χ^2/NDF:1580312.6/38

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

All: 84.651+/-0.009 χ^2/NDF: 4174239.6/81



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

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

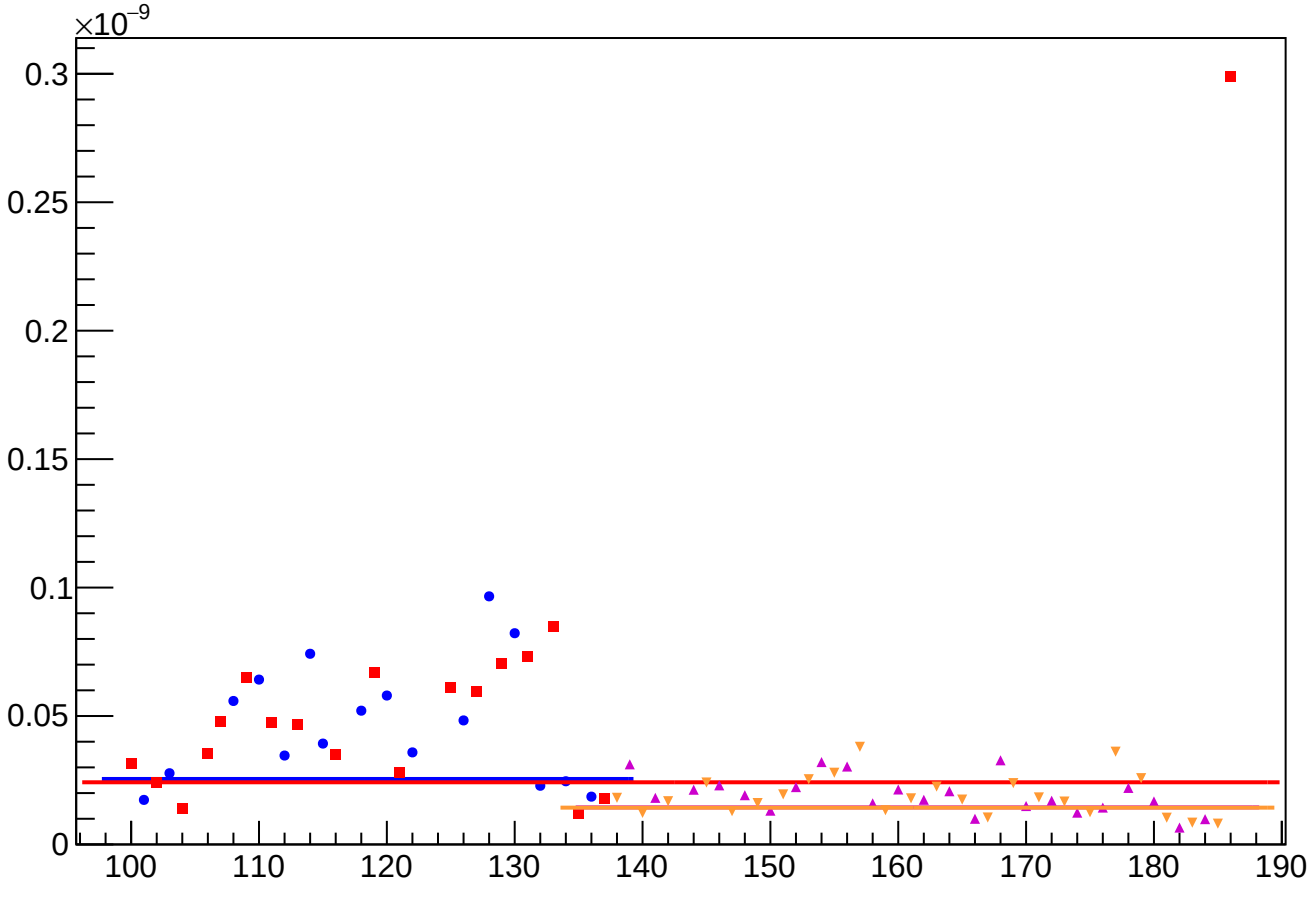
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 48.7/34

In: -0.000+/-0.000 χ^2/NDF:41.4/38

Out: 0.000+/-0.000 χ^2/NDF:57.4/42

All: 0.000+/-0.000 χ^2/NDF: 99.3/81



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

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

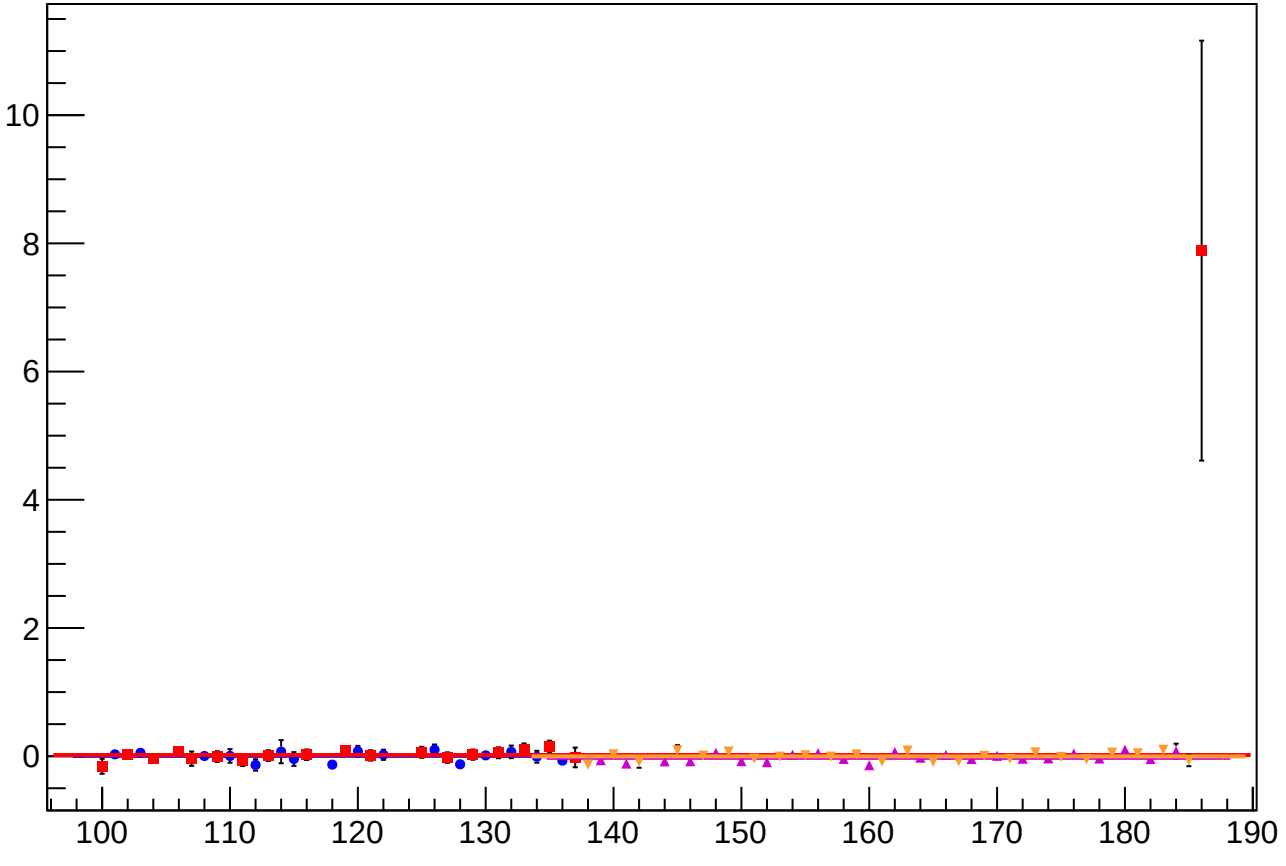
Right: 0.000+/-0.000 χ^2/NDF: 5588914.4/34

In: 0.000+/-0.000 χ^2/NDF:7511393.5/38

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

All: 0.000+/-0.000 χ^2/NDF: 15687413.5/81

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

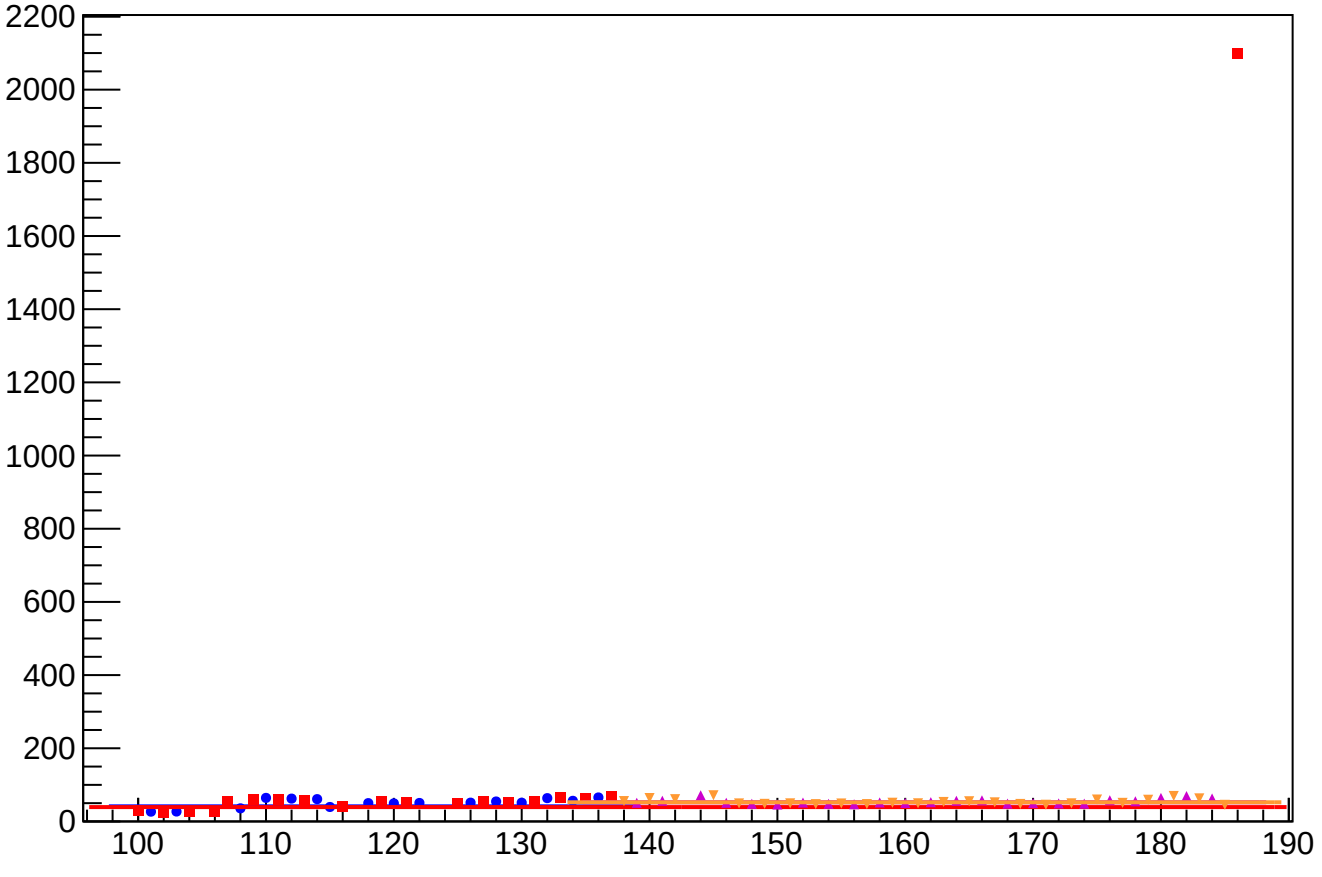
Right: 0.012+/-0.011 χ^2/NDF: 34.0/34

In: -0.014+/-0.010 χ^2/NDF:42.1/38

Out: 0.005+/-0.010 χ^2/NDF:42.3/42

All: -0.004+/-0.007 χ^2/NDF: 86.3/81

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

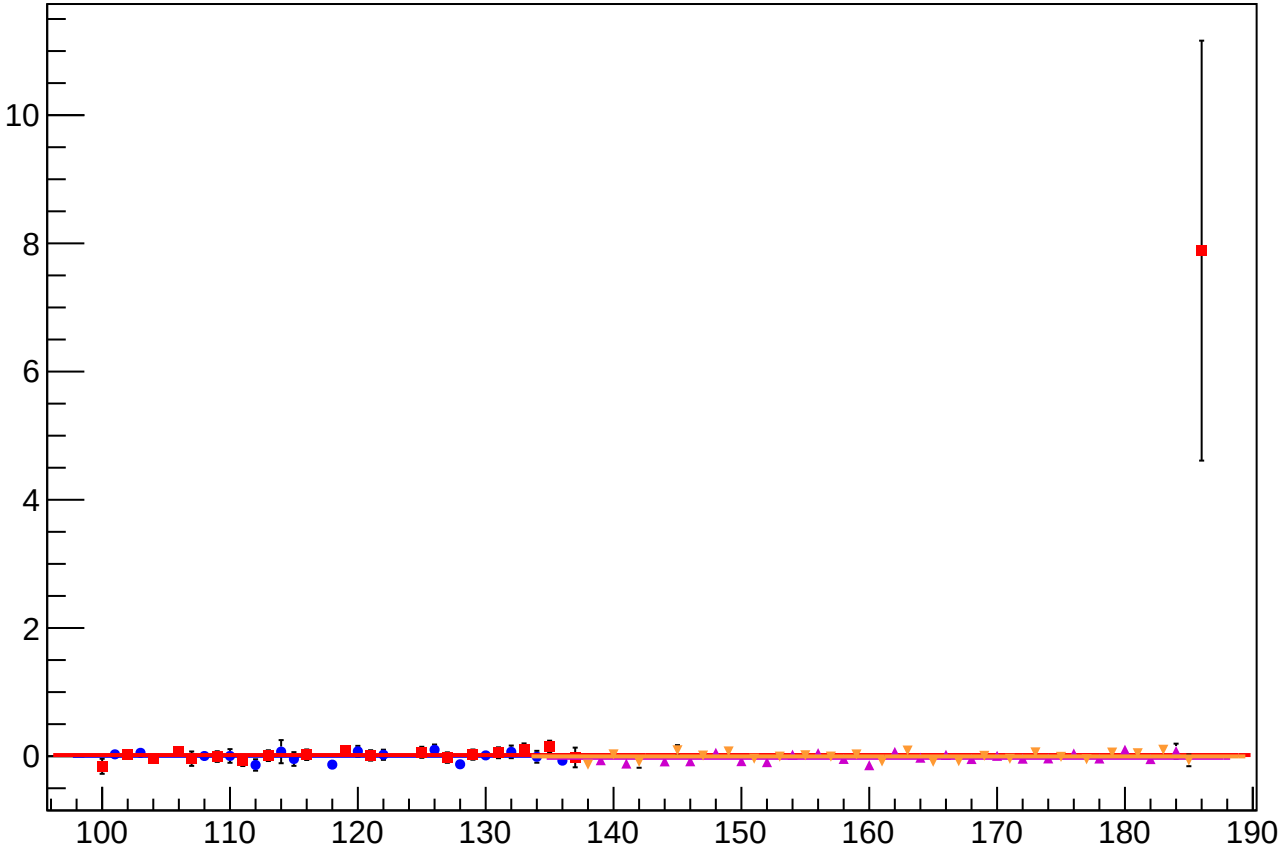
Right: 40.219+/-0.008 χ^2/NDF: 4130899.4/34

In: 48.400+/-0.007 χ^2/NDF:2535266.0/38

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

All: 47.855+/-0.005 χ^2/NDF: 6534049.5/81

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.003+/-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

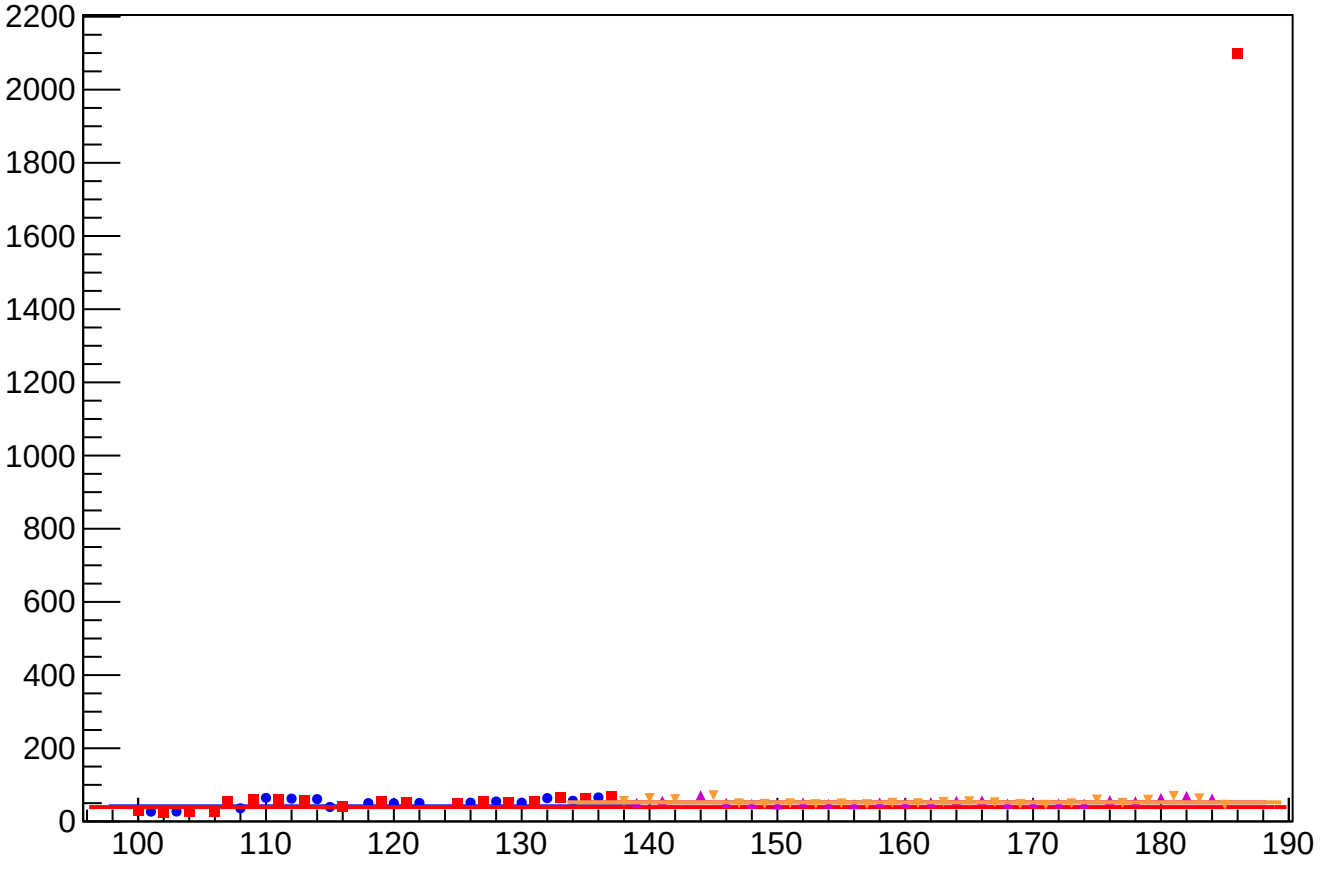
Right: 0.012+/-0.011 χ^2/NDF: 34.0/34

In: -0.014+/-0.010 χ^2/NDF:42.1/38

Out: 0.005+/-0.010 χ^2/NDF:42.3/42

All: -0.004+/-0.007 χ^2/NDF: 86.3/81

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

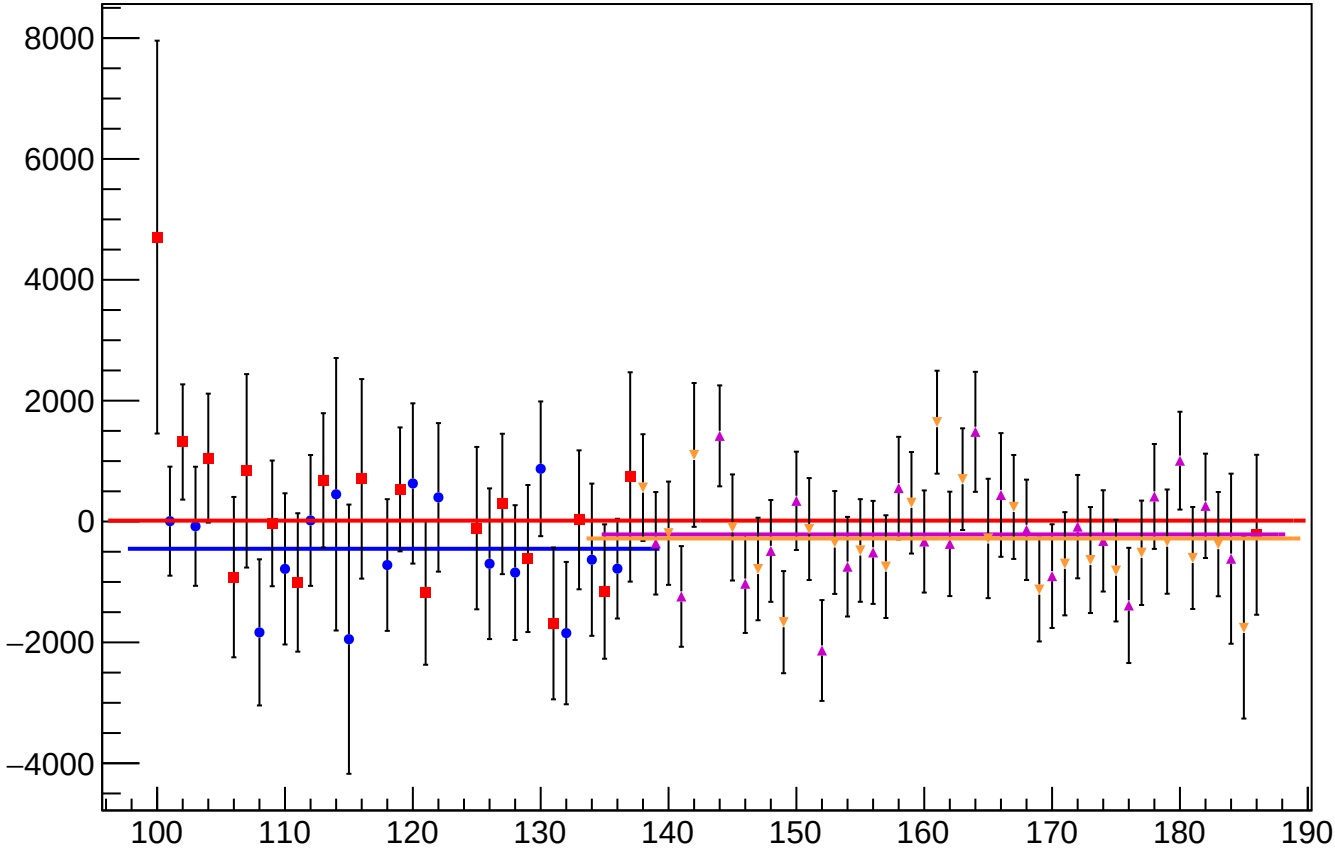
Right: 40.219+/-0.008 χ^2/NDF: 4130899.4/34

In: 48.400+/-0.007 χ^2/NDF:2535266.0/38

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

All: 47.855+/-0.005 χ^2/NDF: 6534049.5/81

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

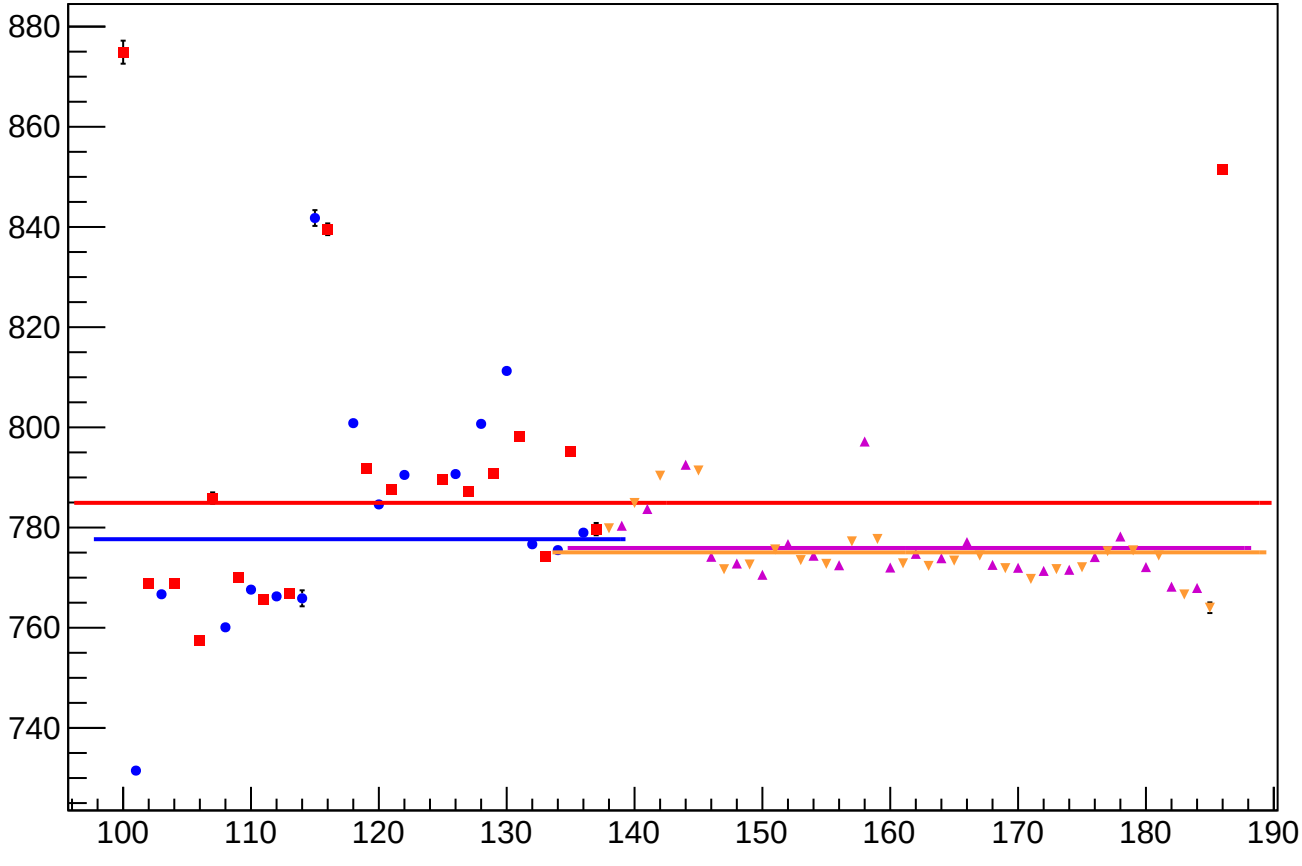
Right: -211.882+/-201.630 χ^2/NDF: 20.0/34

In: -280.451+/-153.493 χ^2/NDF:29.8/38

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

All: -237.047+/-107.851 χ^2/NDF: 58.5/81

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

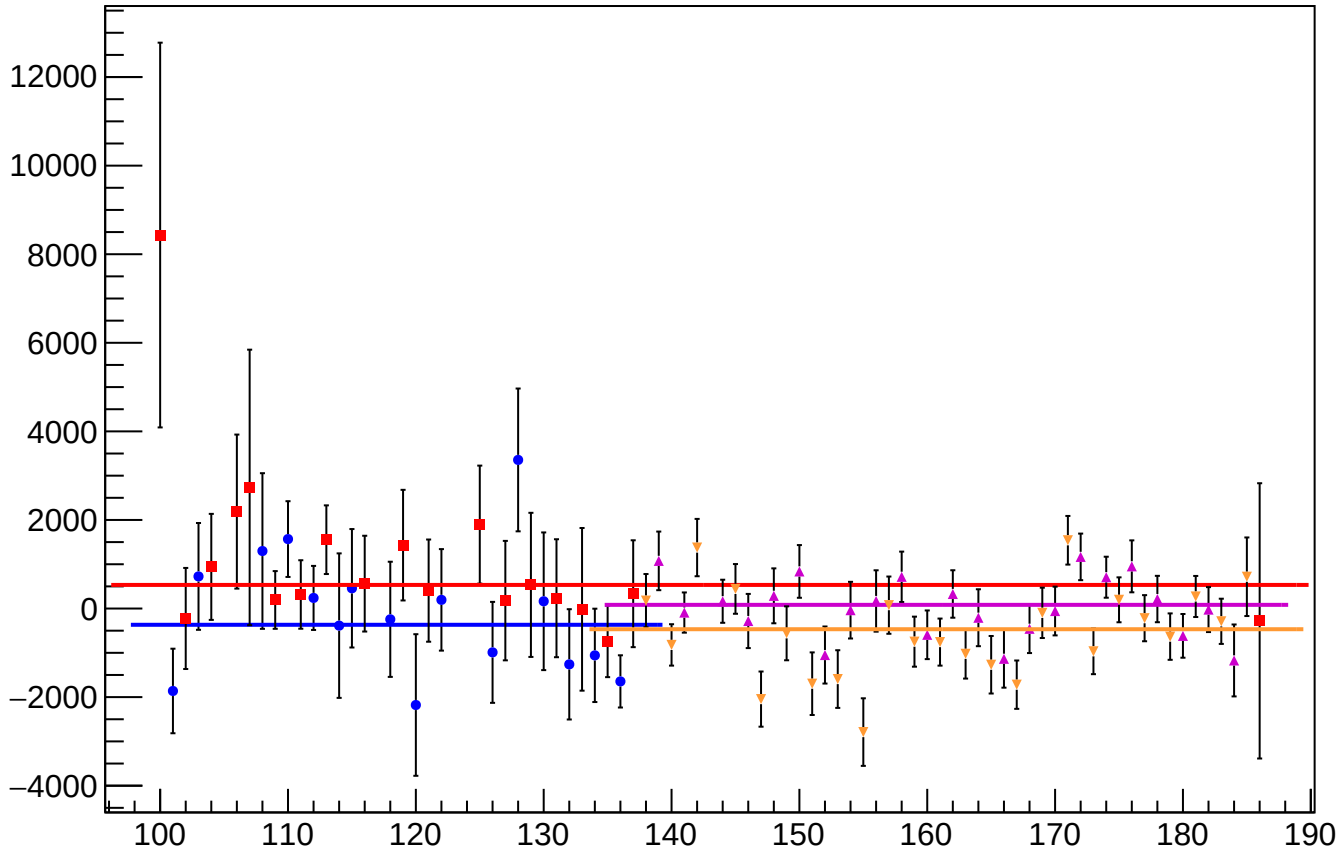
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 781.398+/-0.143 χ^2/NDF: 25634.4/34

In: 776.416+/-0.109 χ^2/NDF:15081.2/38

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

All: 777.175+/-0.076 χ^2/NDF: 31810.9/81



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

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

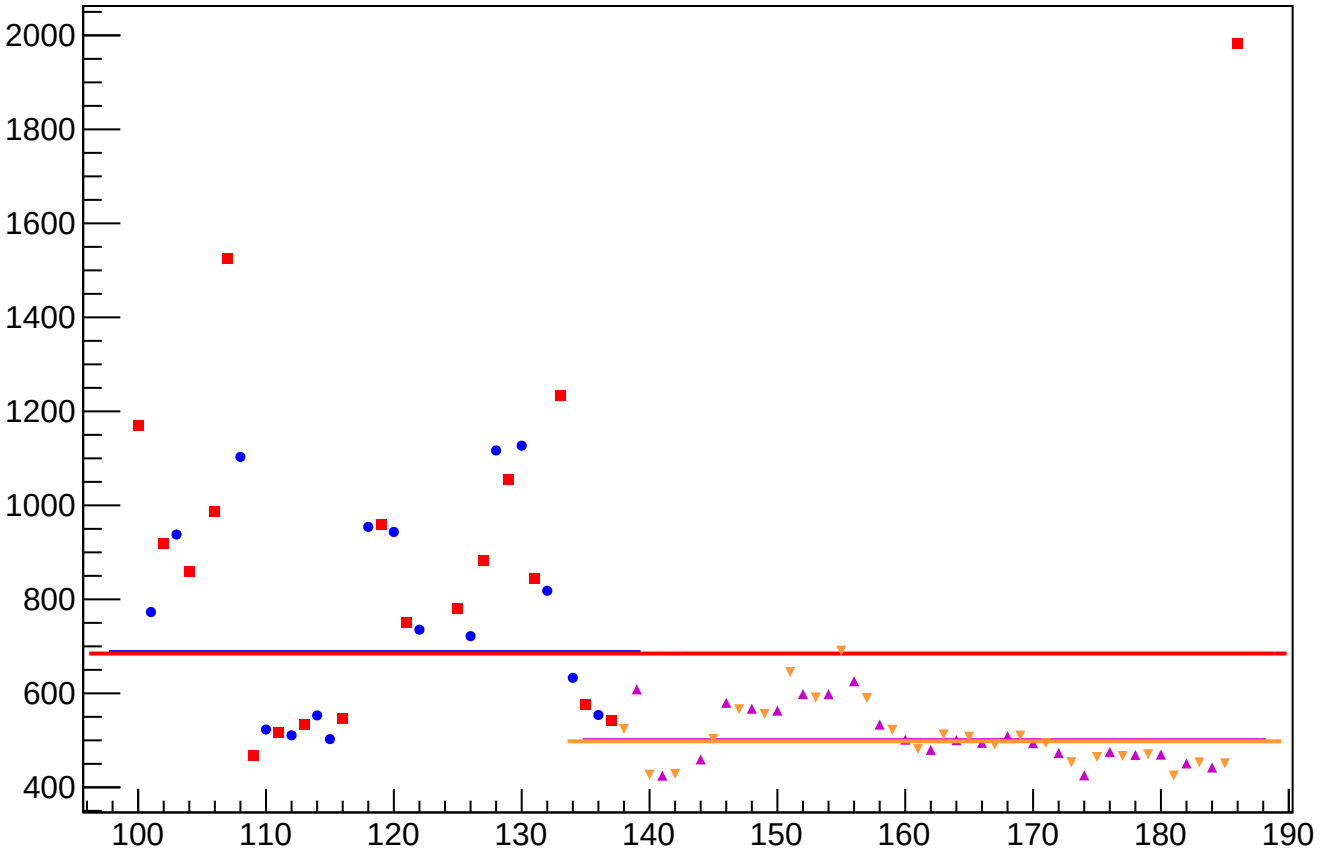
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 91.082+/-186.891 χ^2/NDF: 40.8/34

In: 9.658+/-107.763 χ^2/NDF:53.8/38

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

All: -147.593+/-75.789 χ^2/NDF: 146.3/81



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

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

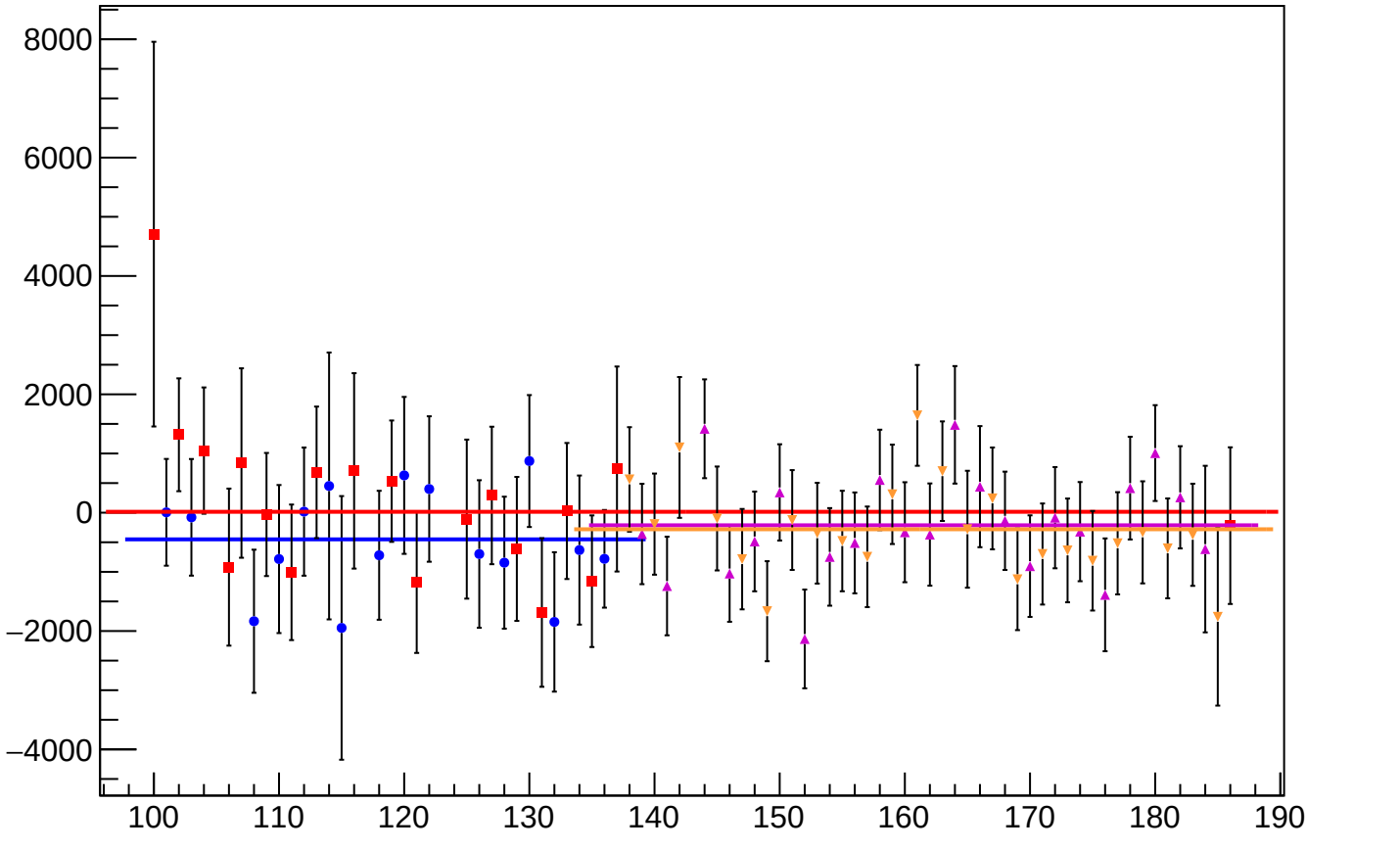
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 686.179+/-0.132 χ^2/NDF: 2696204.7/34

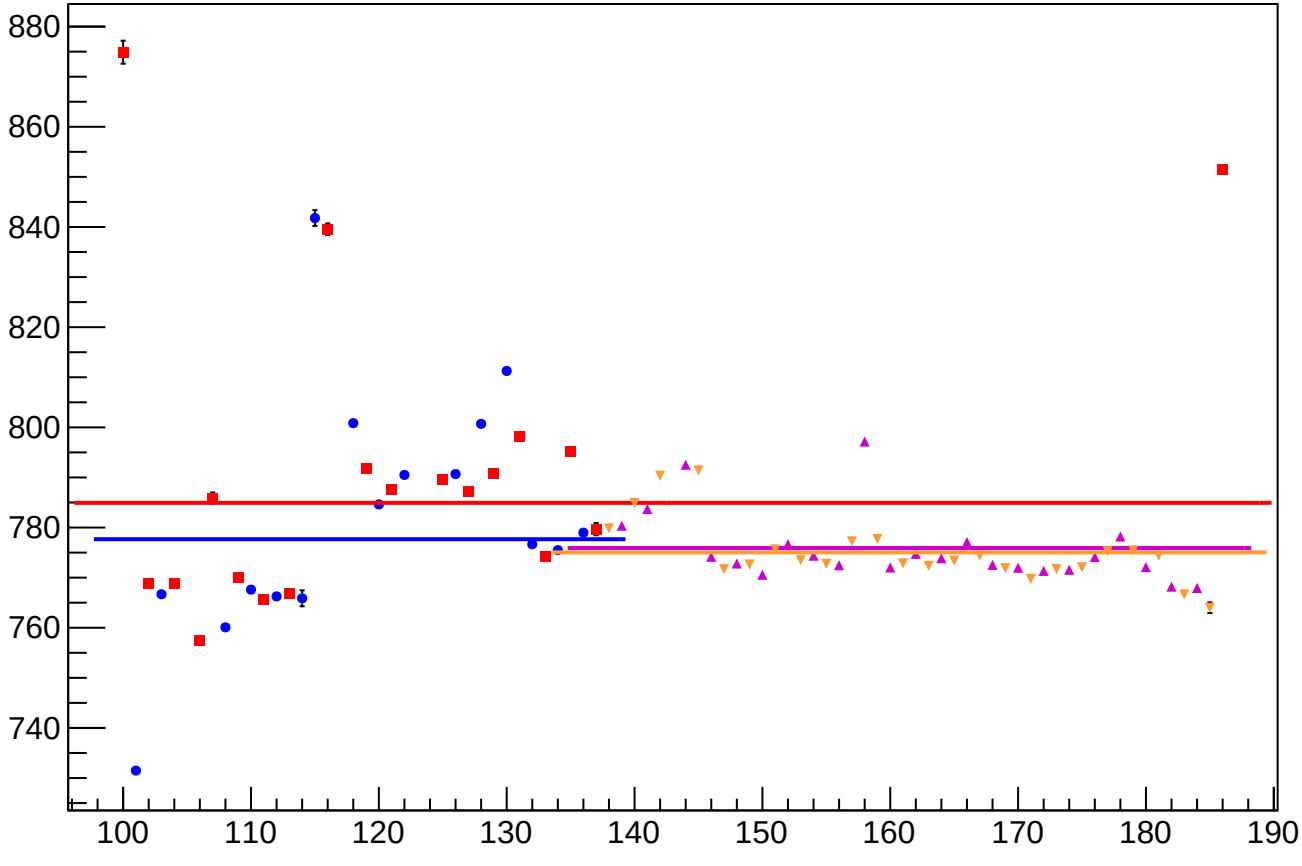
In: 530.904+/-0.076 χ^2/NDF:2335642.6/38

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

All: 529.887+/-0.054 χ^2/NDF: 5375007.3/81


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: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: -280.364+/-179.881 χ²/NDF:16.1/23
Right Out: 15.004+/-281.491 χ²/NDF: 11.7/18
Left In: -213.425+/-181.168 χ²/NDF:22.4/22
Left: -247.133+/-127.647 χ²/NDF: 38.5/46
Right: -211.882+/-201.630 χ²/NDF: 20.0/34
In: -280.451+/-153.493 χ²/NDF:29.8/38
Out: -194.721+/-151.575 χ²/NDF:28.6/42
All: -237.047+/-107.851 χ²/NDF: 58.5/81

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

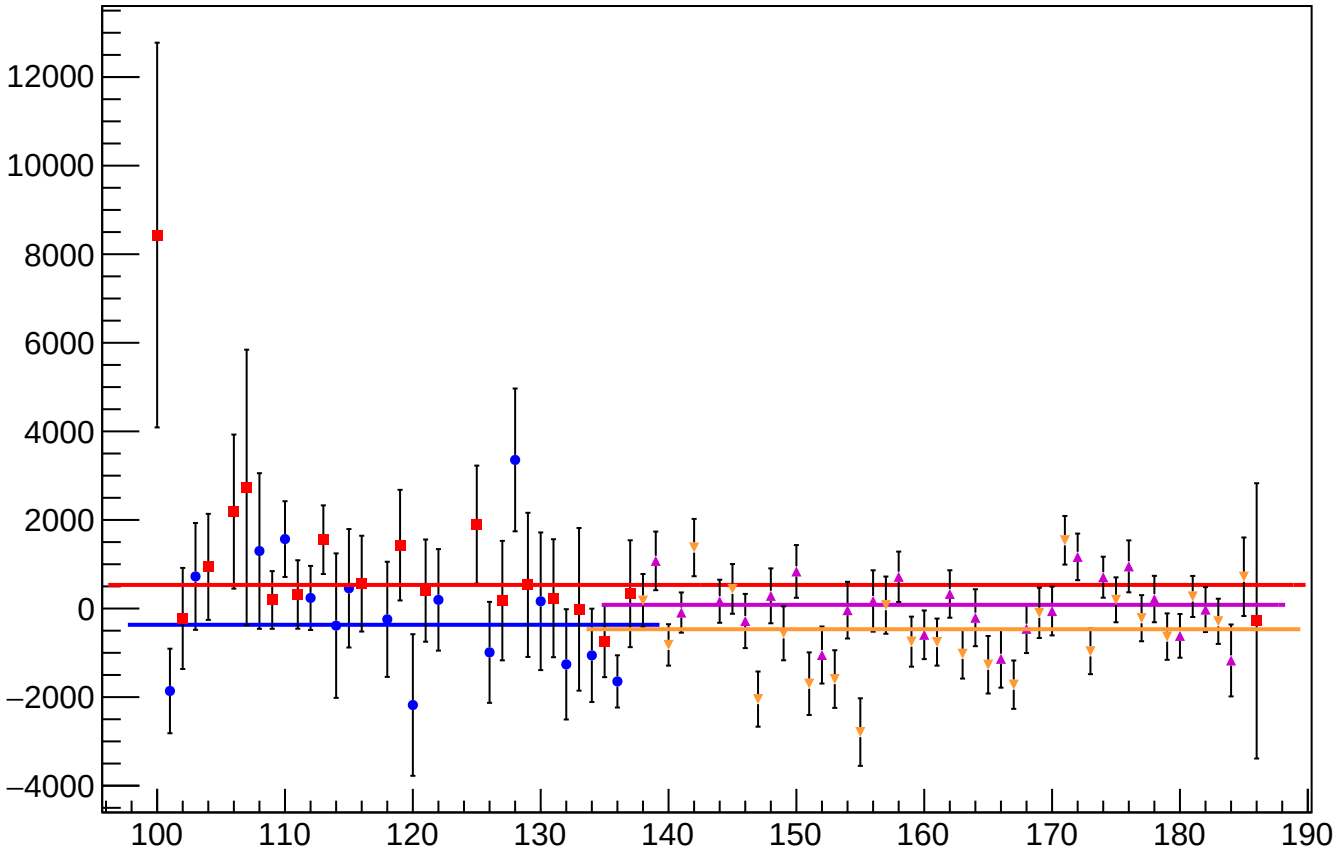
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 781.398+/-0.143 χ^2/NDF: 25634.4/34

In: 776.416+/-0.109 χ^2/NDF:15081.2/38

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

All: 777.175+/-0.076 χ^2/NDF: 31810.9/81



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

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

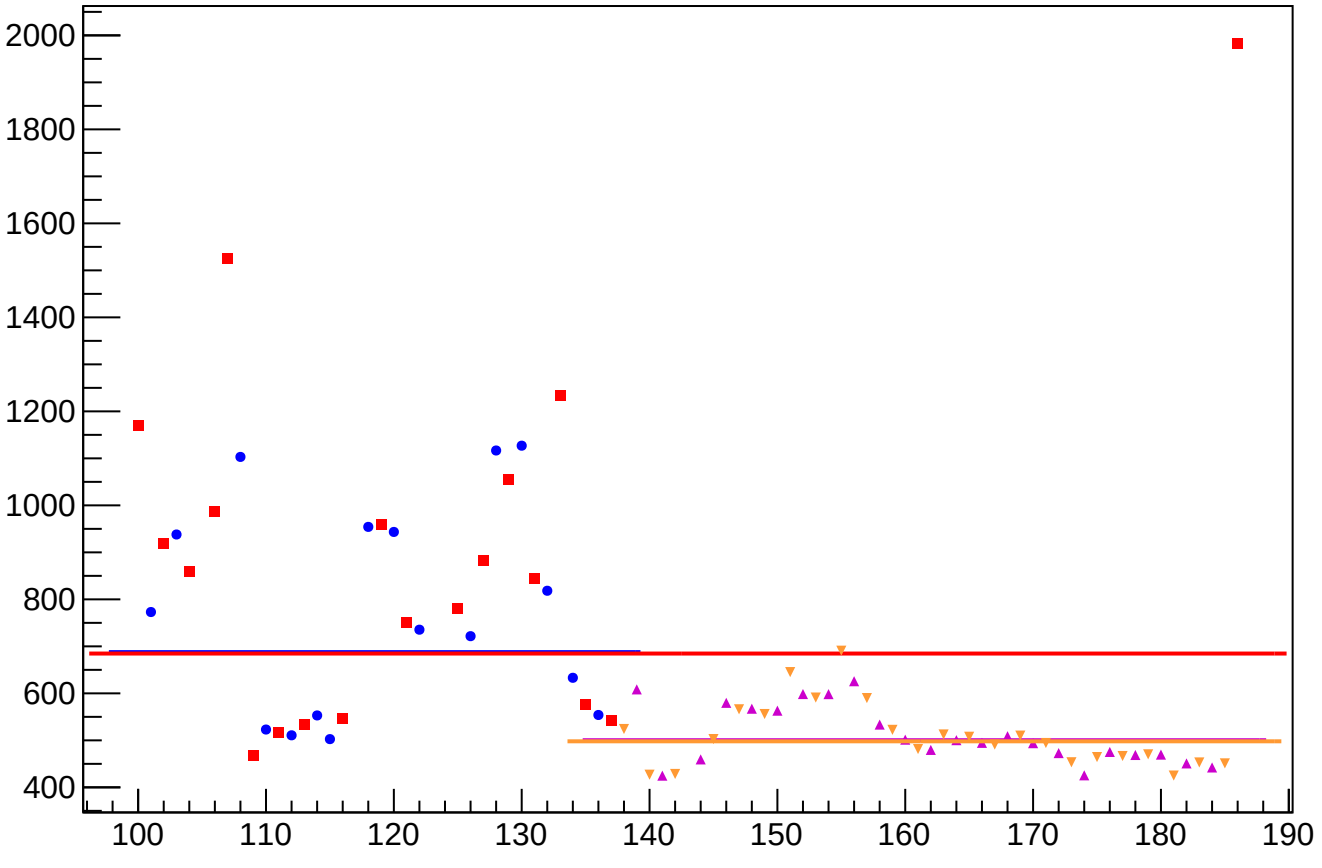
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 91.082+/-186.891 χ^2/NDF: 40.8/34

In: 9.658+/-107.763 χ^2/NDF:53.8/38

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

All: -147.593+/-75.789 χ^2/NDF: 146.3/81



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

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

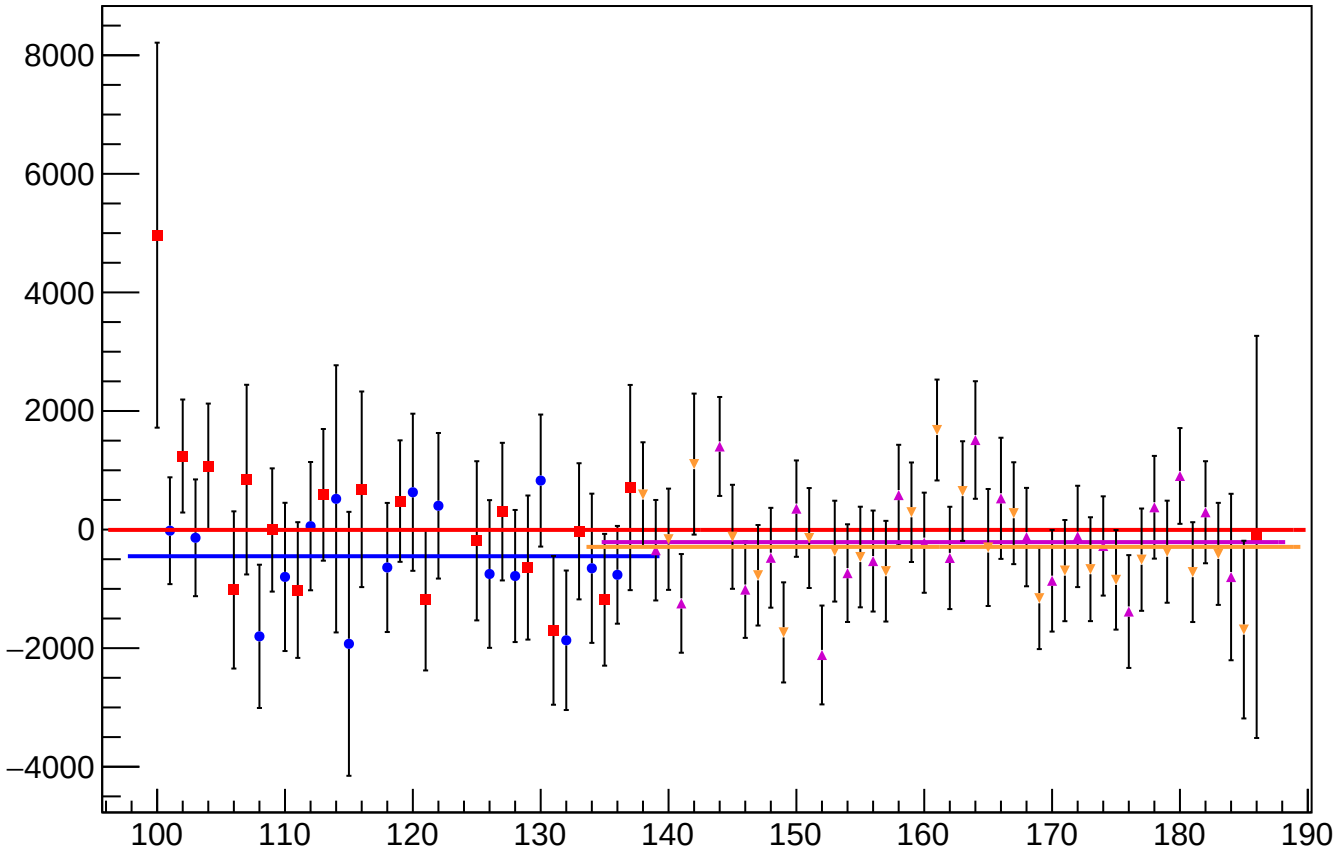
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 686.179+/-0.132 χ^2/NDF: 2696204.7/34

In: 530.904+/-0.076 χ^2/NDF:2335642.6/38

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

All: 529.887+/-0.054 χ^2/NDF: 5375007.3/81



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

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: -5.499+/-286.784 χ^2/NDF: 11.8/18

Left In: -211.238+/-180.951 χ^2/NDF:22.1/22

Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

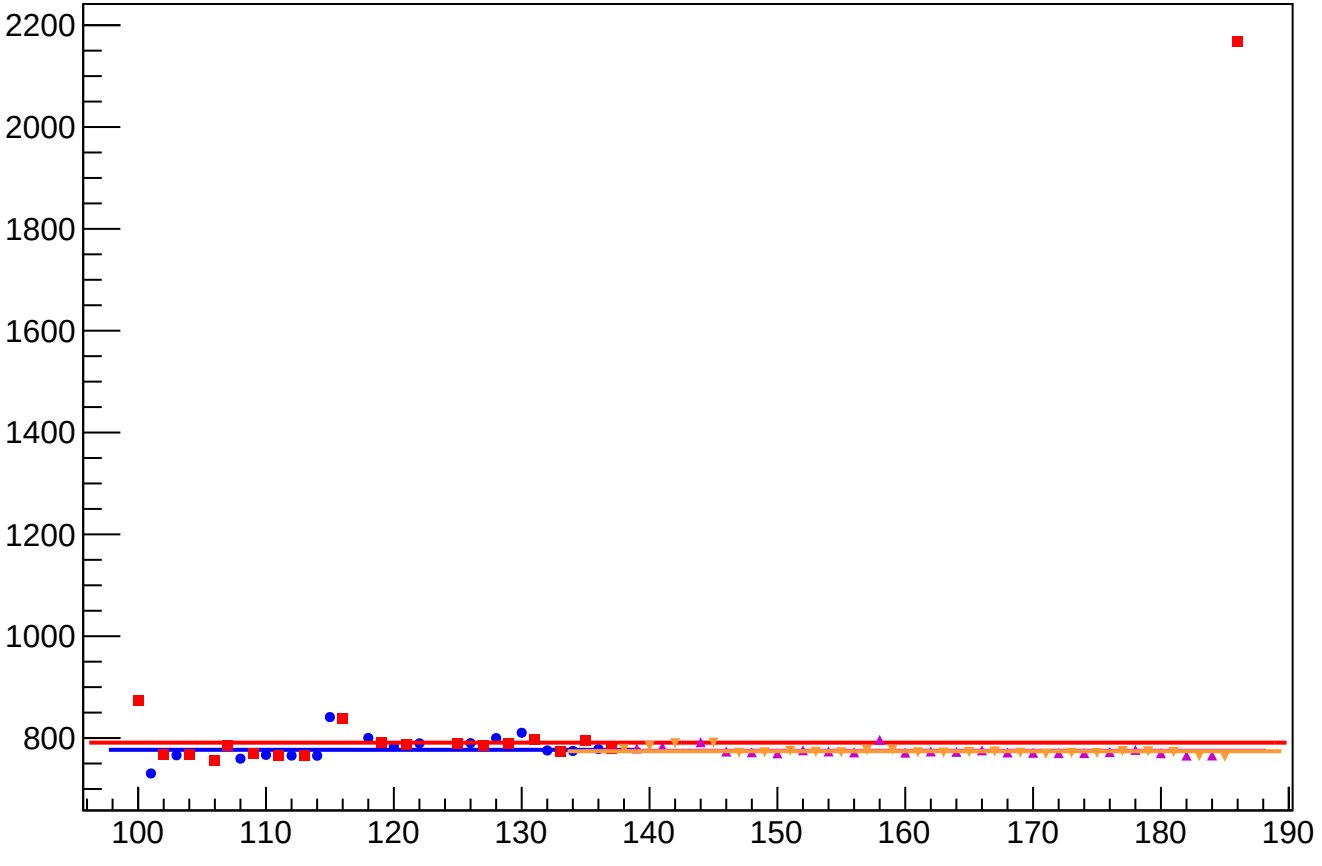
Right: -226.011+/-203.450 χ^2/NDF: 19.8/34

In: -278.430+/-153.318 χ^2/NDF:29.4/38

Out: -211.271+/-152.257 χ^2/NDF:29.2/42

All: -244.617+/-108.035 χ^2/NDF: 58.6/81

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

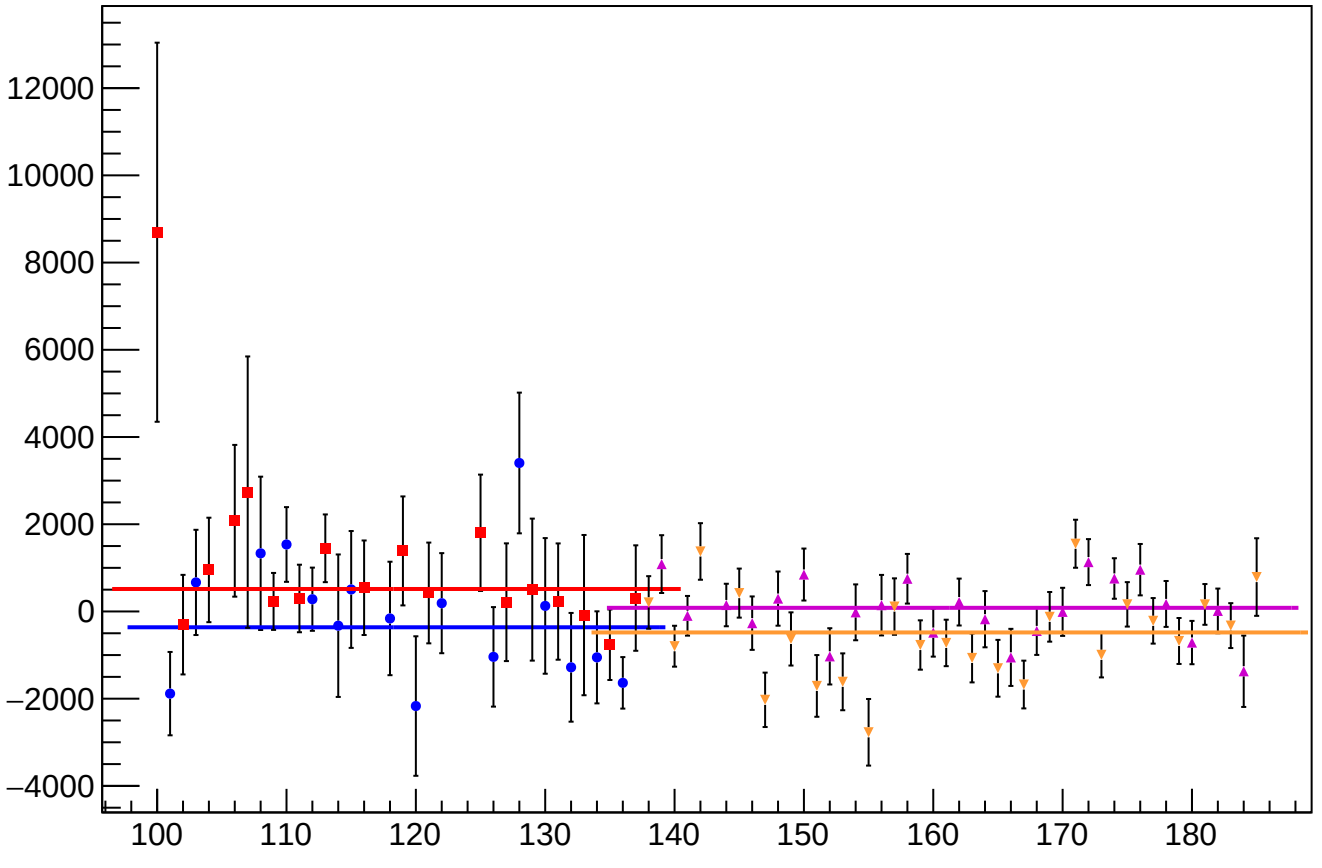
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 783.989+/-0.144 χ^2/NDF: 353820.1/34

In: 775.532+/-0.108 χ^2/NDF:15335.5/38

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

All: 777.221+/-0.076 χ^2/NDF: 362133.6/81



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

Left Out: -481.314+/-117.092 χ^2/NDF:63.5/23

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

Left In: 83.196+/-118.194 χ^2/NDF:28.2/22

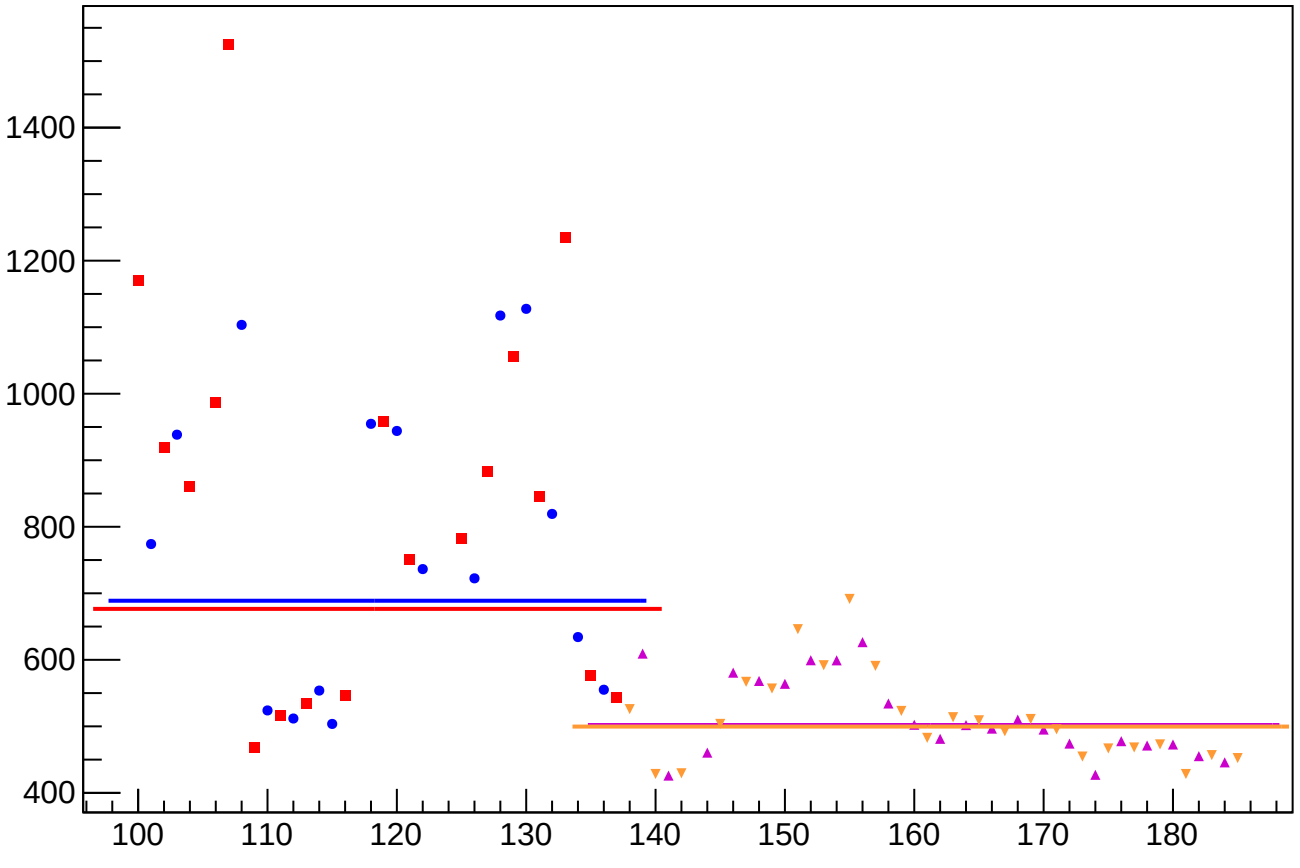
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

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

In: 10.156+/-108.084 χ^2/NDF:53.9/38

Out: -316.764+/-106.989 χ^2/NDF:86.9/41

All: -154.967+/-76.037 χ^2/NDF: 145.4/80



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

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

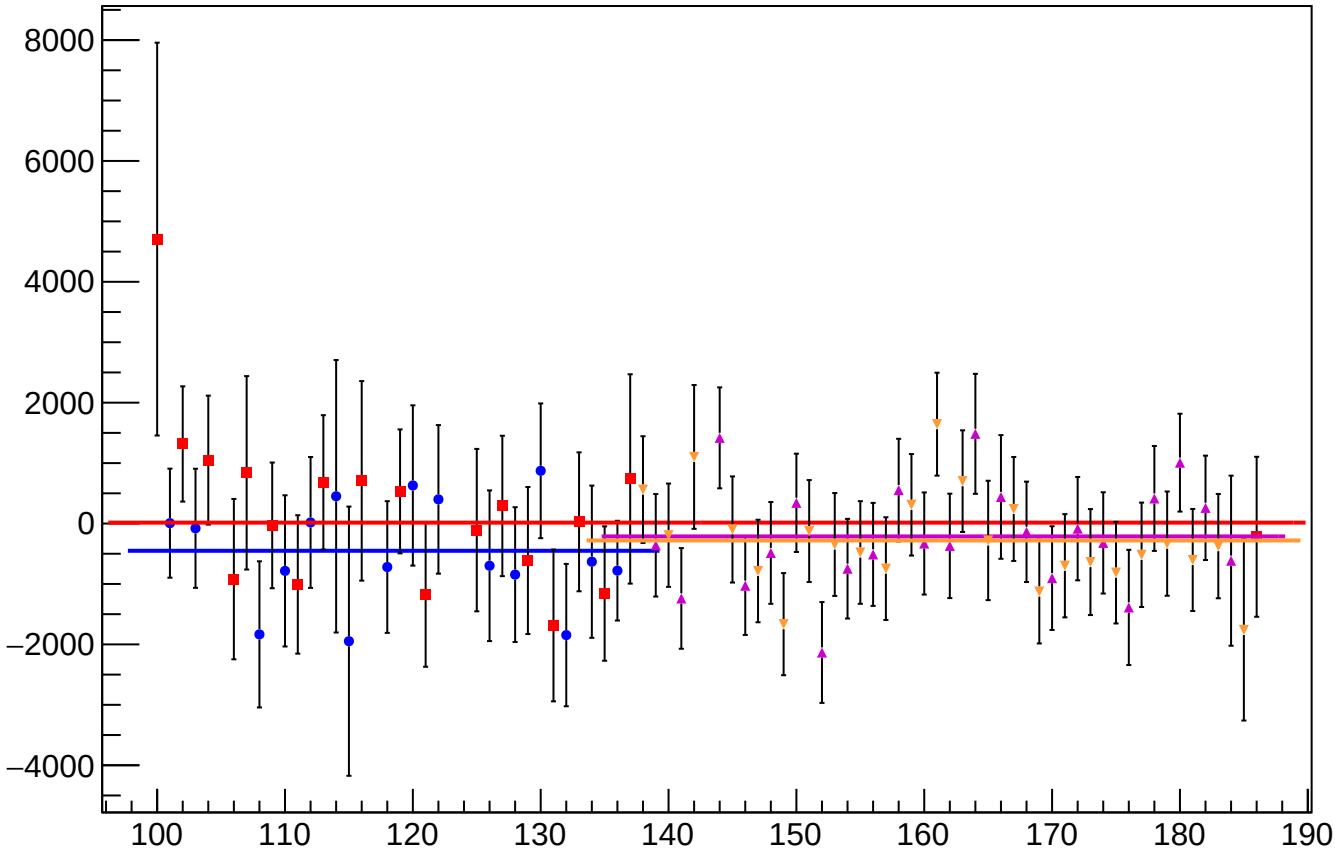
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

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

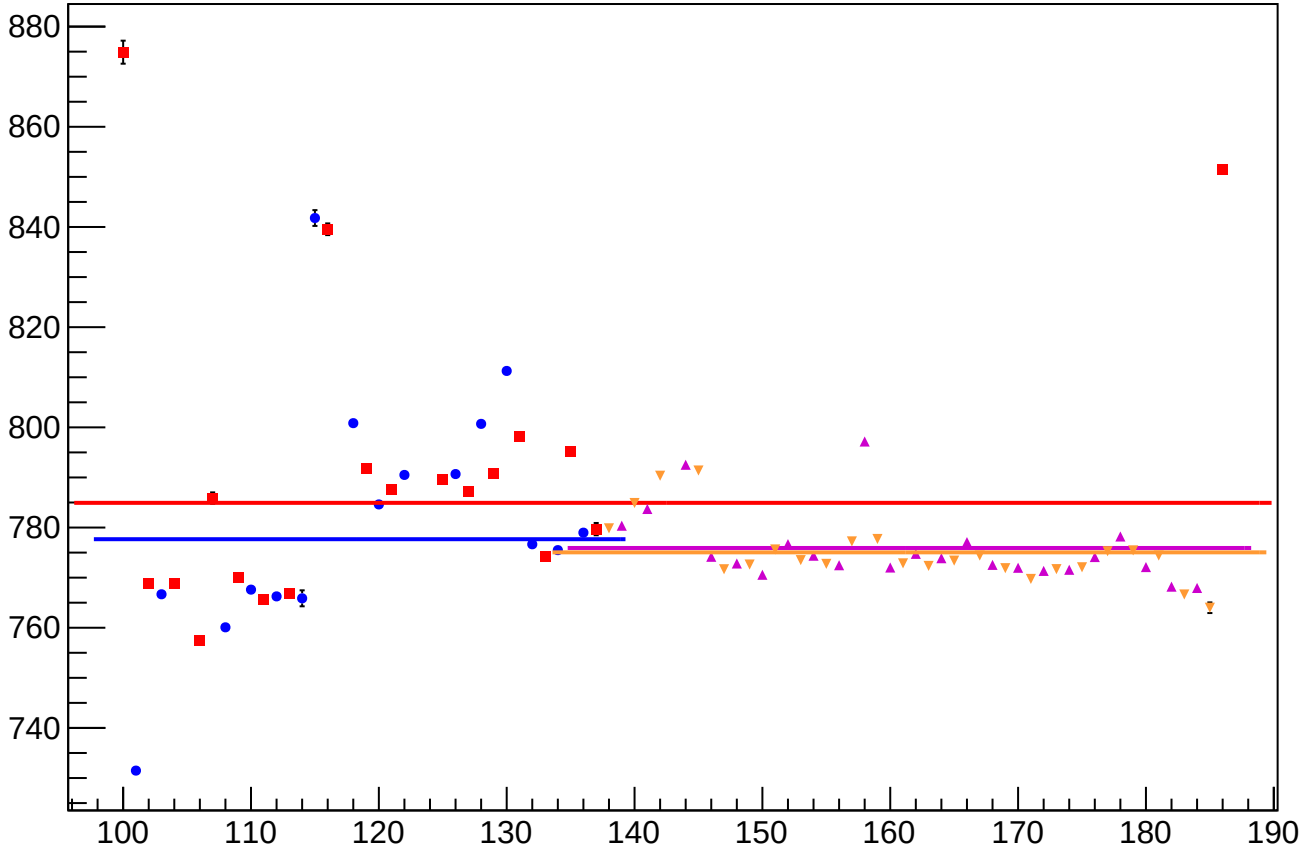
In: 532.618+/-0.076 χ^2/NDF:2313698.2/38

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

All: 530.729+/-0.054 χ^2/NDF: 4892991.1/80


eigen_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: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: -280.364+/-179.881 χ²/NDF:16.1/23
Right Out: 15.004+/-281.491 χ²/NDF: 11.7/18
Left In: -213.425+/-181.168 χ²/NDF:22.4/22
Left: -247.133+/-127.647 χ²/NDF: 38.5/46
Right: -211.882+/-201.630 χ²/NDF: 20.0/34
In: -280.451+/-153.493 χ²/NDF:29.8/38
Out: -194.721+/-151.575 χ²/NDF:28.6/42
All: -237.047+/-107.851 χ²/NDF: 58.5/81

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

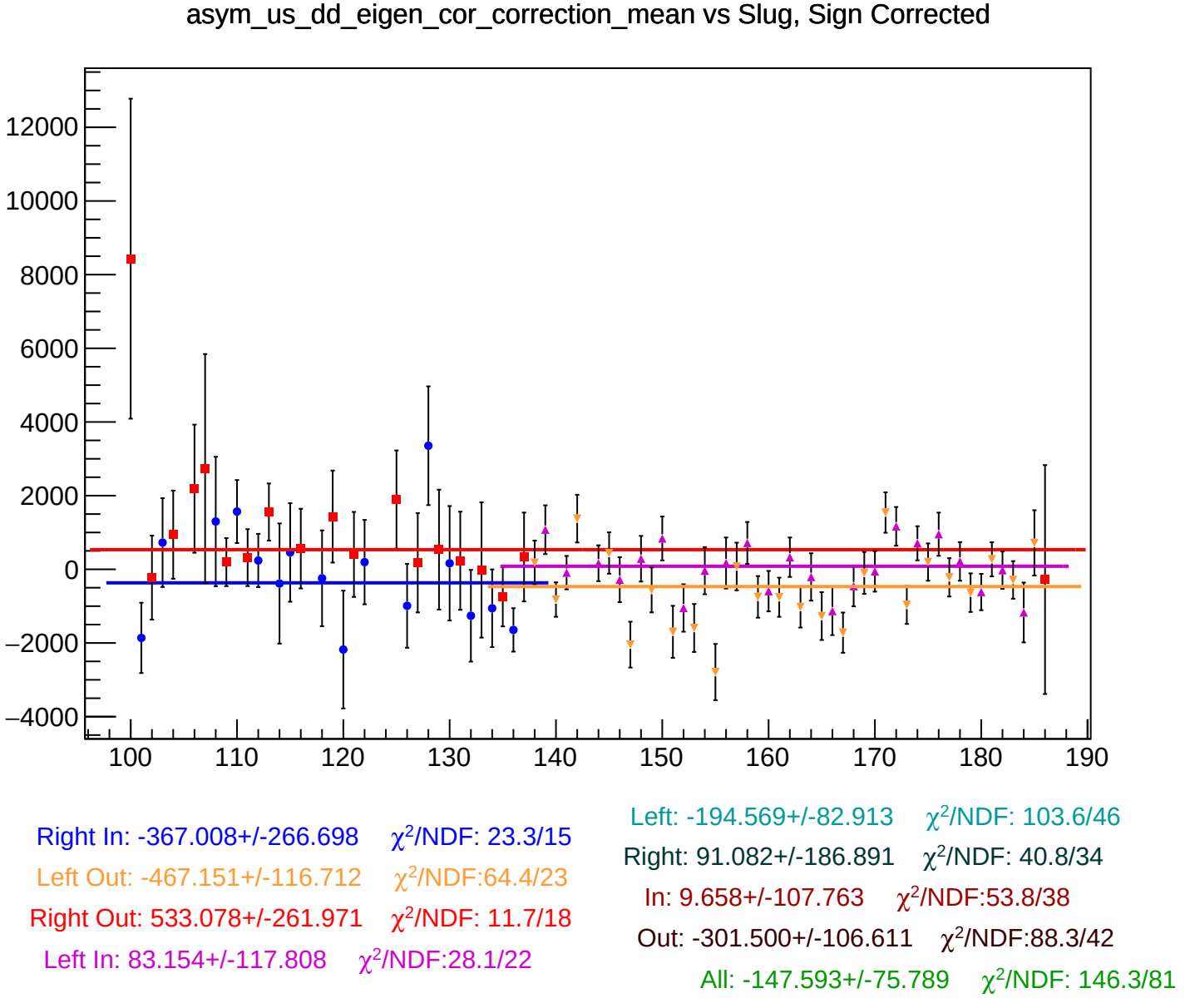
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

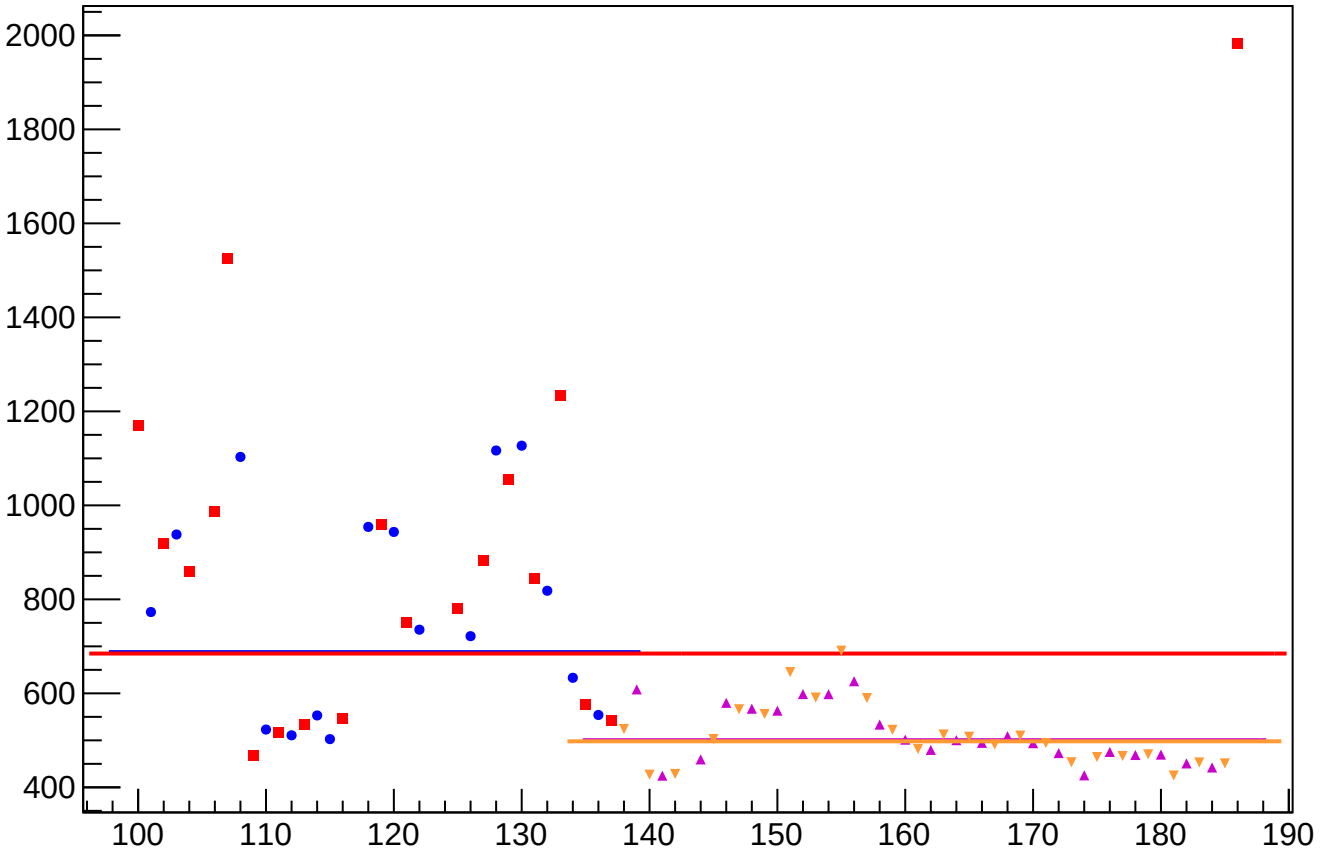
Right: 781.398+/-0.143 χ^2/NDF: 25634.4/34

In: 776.416+/-0.109 χ^2/NDF:15081.2/38

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

All: 777.175+/-0.076 χ^2/NDF: 31810.9/81


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: -367.008+/-266.698 χ²/NDF: 23.3/15
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: 91.082+/-186.891 χ²/NDF: 40.8/34
In: 9.658+/-107.763 χ²/NDF:53.8/38
Out: -301.500+/-106.611 χ²/NDF:88.3/42
All: -147.593+/-75.789 χ²/NDF: 146.3/81



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

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

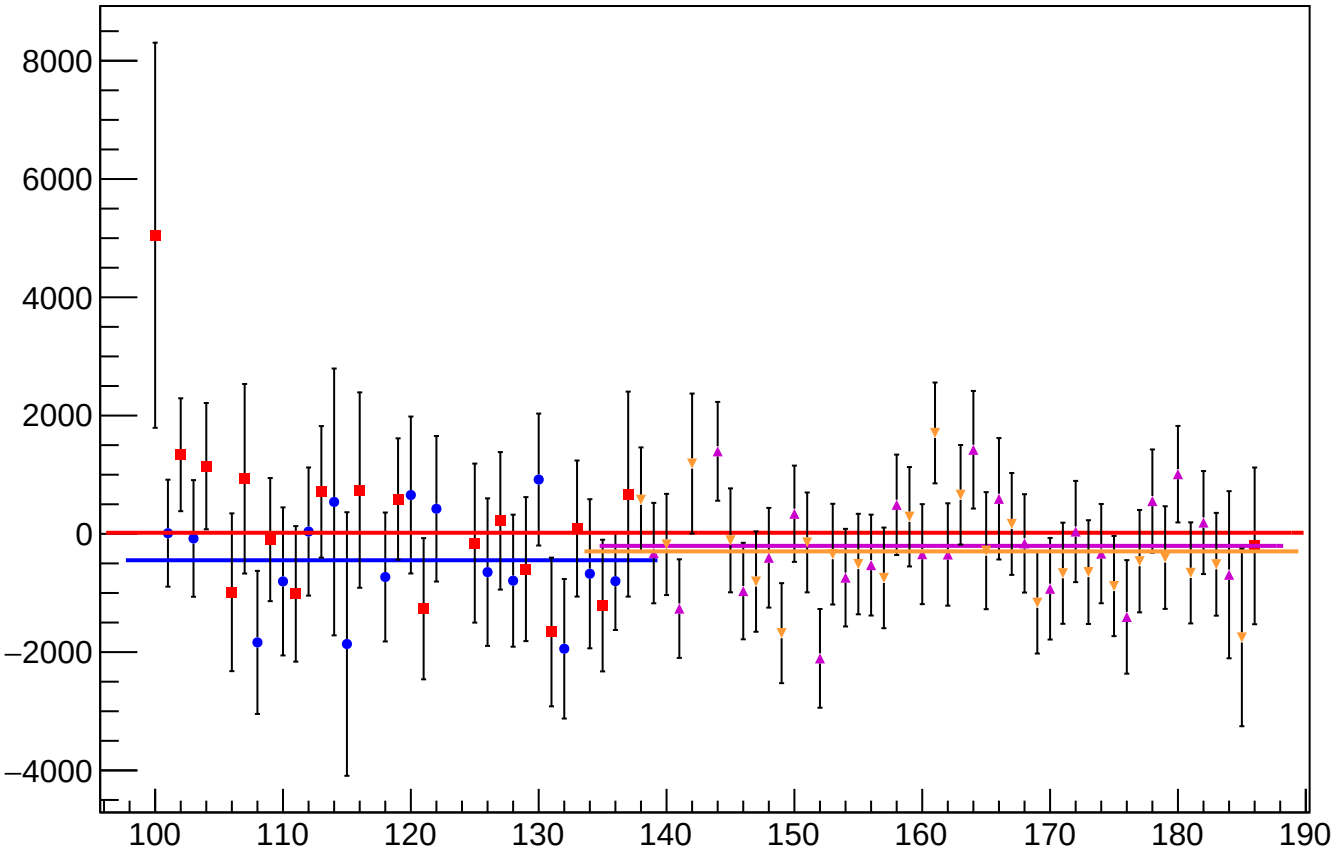
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 686.179+/-0.132 χ^2/NDF: 2696204.7/34

In: 530.904+/-0.076 χ^2/NDF:2335642.6/38

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

All: 529.887+/-0.054 χ^2/NDF: 5375007.3/81



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

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

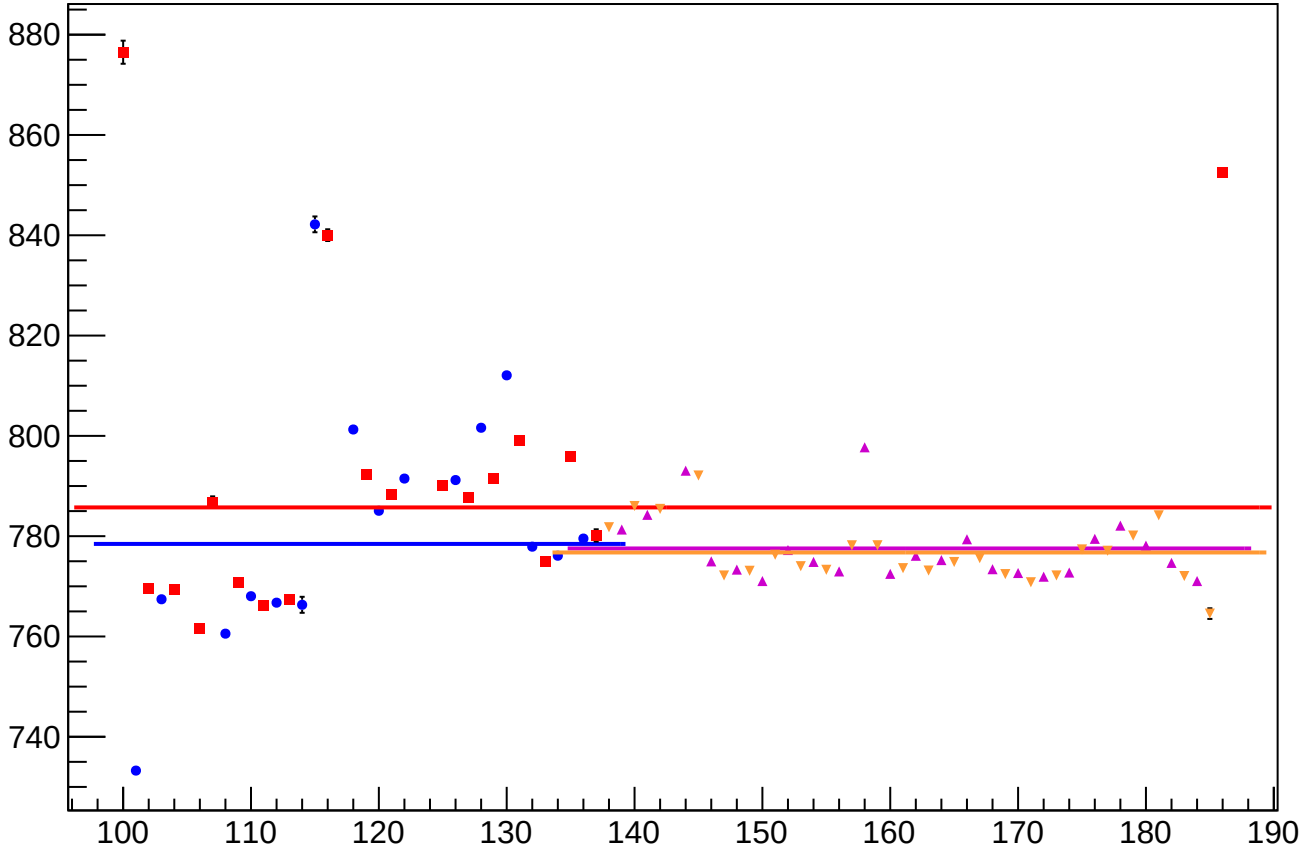
Right: -208.115+/-201.833 χ^2/NDF: 21.3/34

In: -272.108+/-153.767 χ^2/NDF:29.9/38

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

All: -238.269+/-108.049 χ^2/NDF: 60.2/81

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

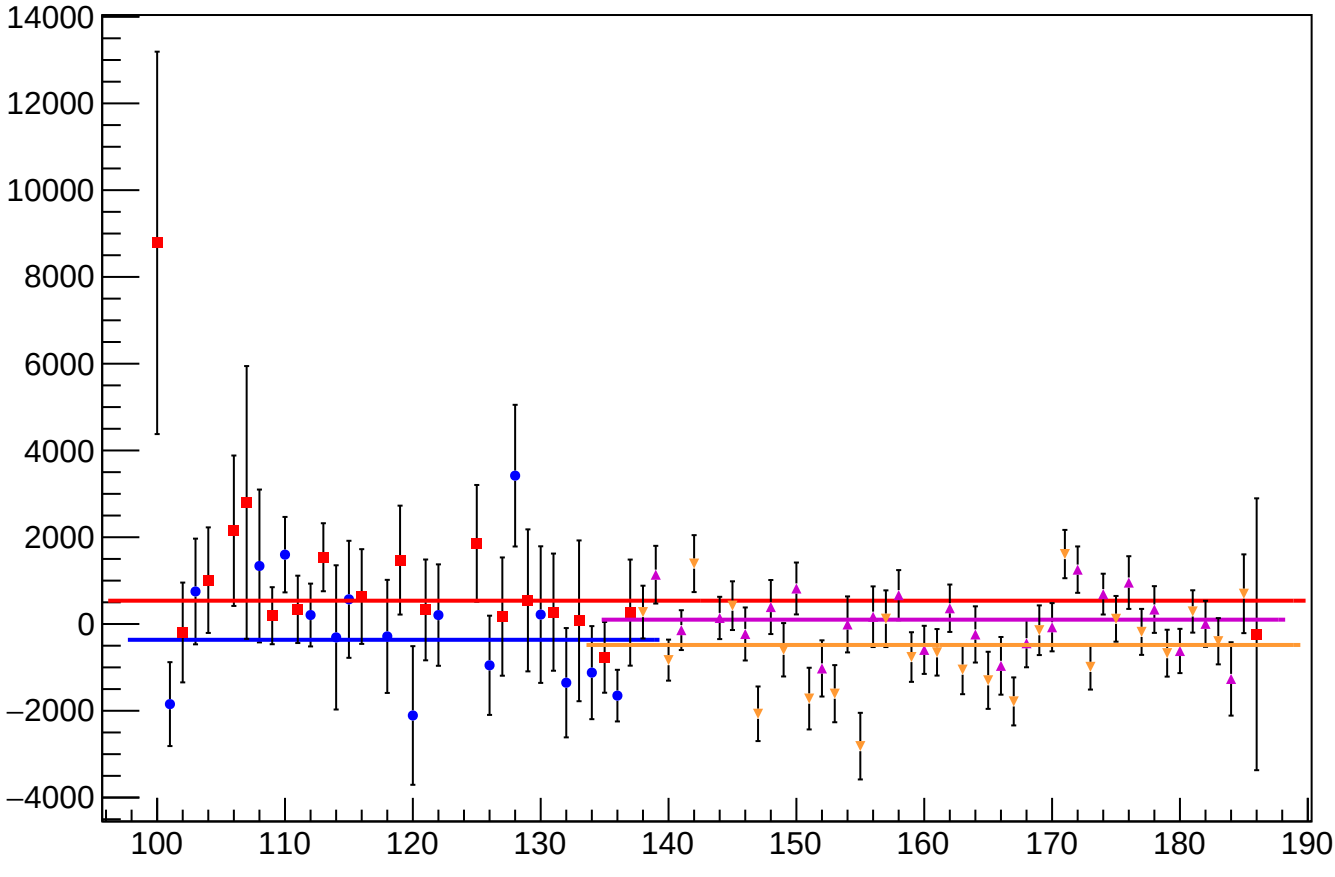
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 782.190+/-0.143 χ^2/NDF: 25236.4/34

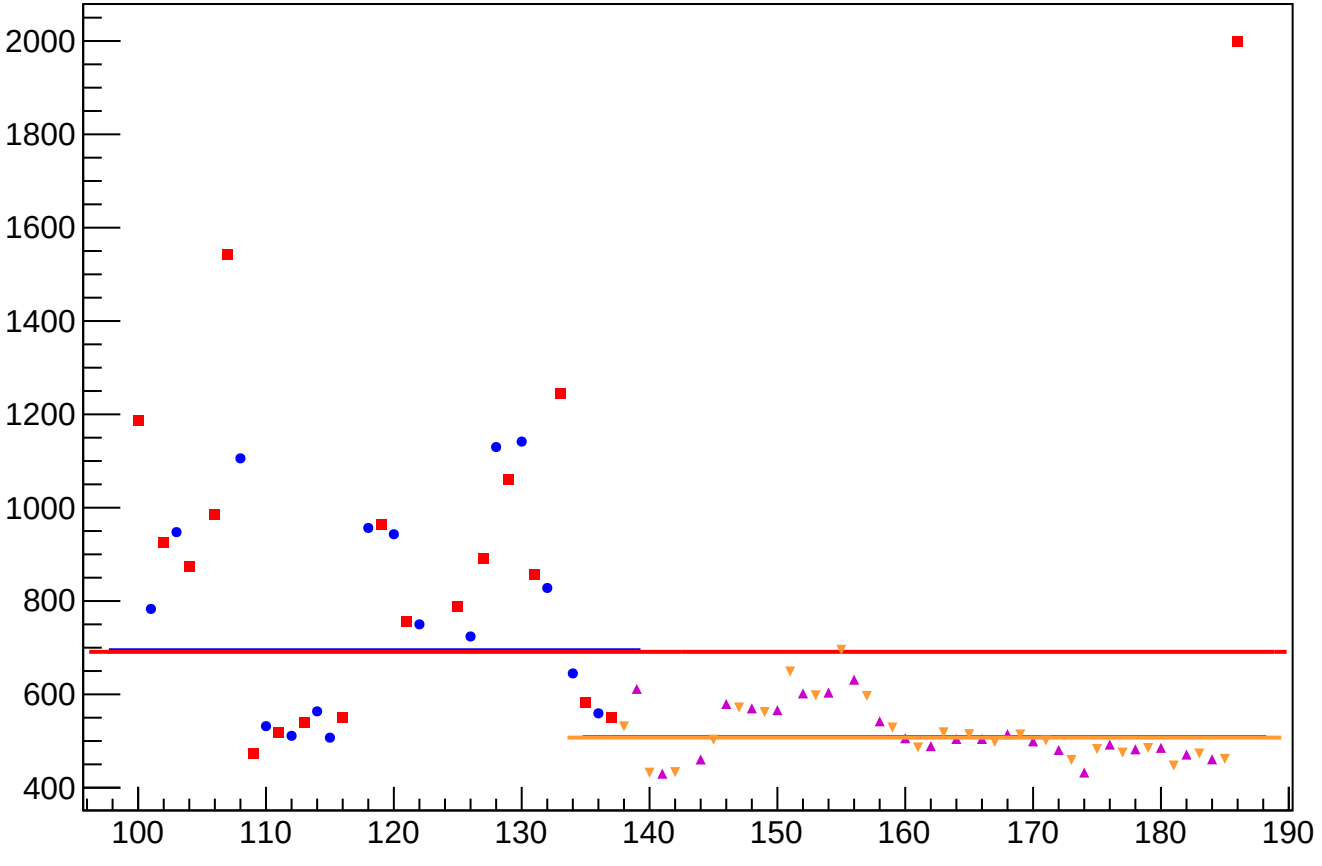
In: 777.806+/-0.109 χ^2/NDF:14560.0/38

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

All: 778.593+/-0.076 χ^2/NDF: 30723.7/81


asym_us_dd_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -363.977+/-269.316 χ²/NDF: 23.3/15
Left Out: -482.886+/-118.805 χ²/NDF:65.1/23
Right Out: 537.332+/-264.328 χ²/NDF: 11.8/18
Left In: 99.985+/-119.677 χ²/NDF:27.4/22
Left: -193.580+/-84.314 χ²/NDF: 104.5/46
Right: 95.102+/-188.647 χ²/NDF: 40.8/34
In: 23.476+/-109.365 χ²/NDF:53.2/38
Out: -311.423+/-108.363 χ²/NDF:89.3/42
All: -145.514+/-76.976 χ²/NDF: 147.3/81

asym_us_dd_dit_correction_rms vs Slug, Sign Corrected



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

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

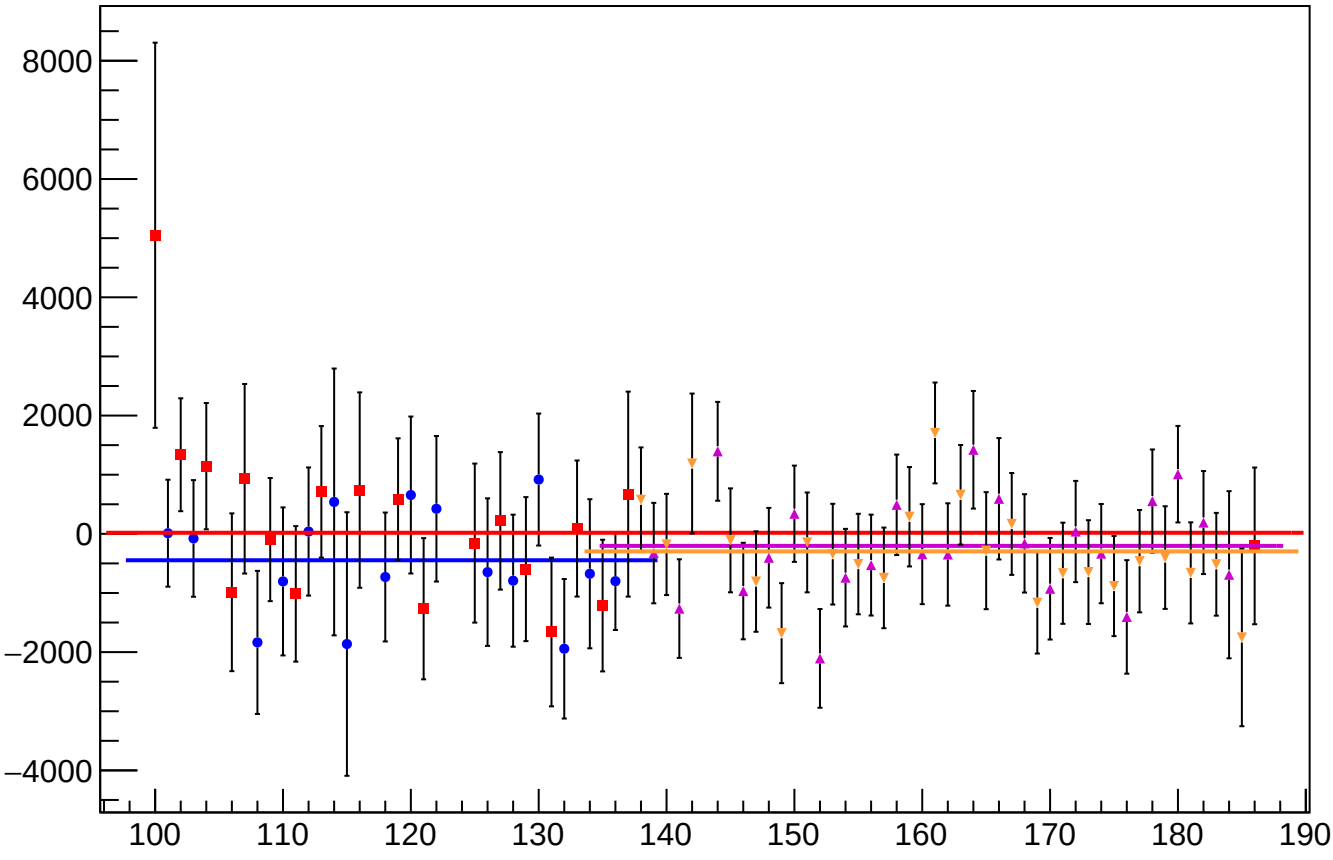
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 692.787+/-0.133 χ^2/NDF: 2692087.0/34

In: 539.291+/-0.077 χ^2/NDF:2257991.0/38

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

All: 538.745+/-0.054 χ^2/NDF: 5198577.5/81



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

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

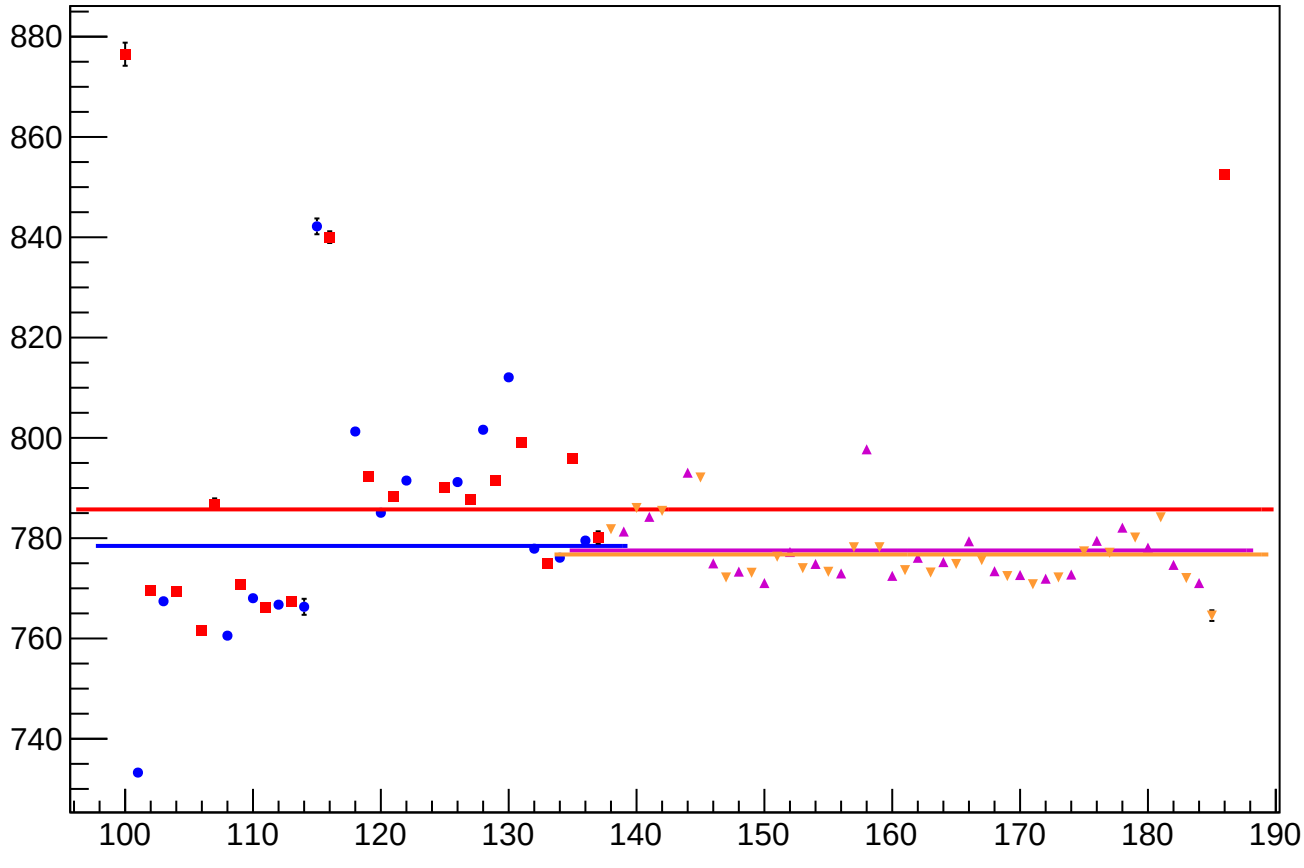
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -208.116+/-201.833 χ^2/NDF: 21.3/34

In: -272.107+/-153.767 χ^2/NDF:29.9/38

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

All: -238.269+/-108.049 χ^2/NDF: 60.2/81



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

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

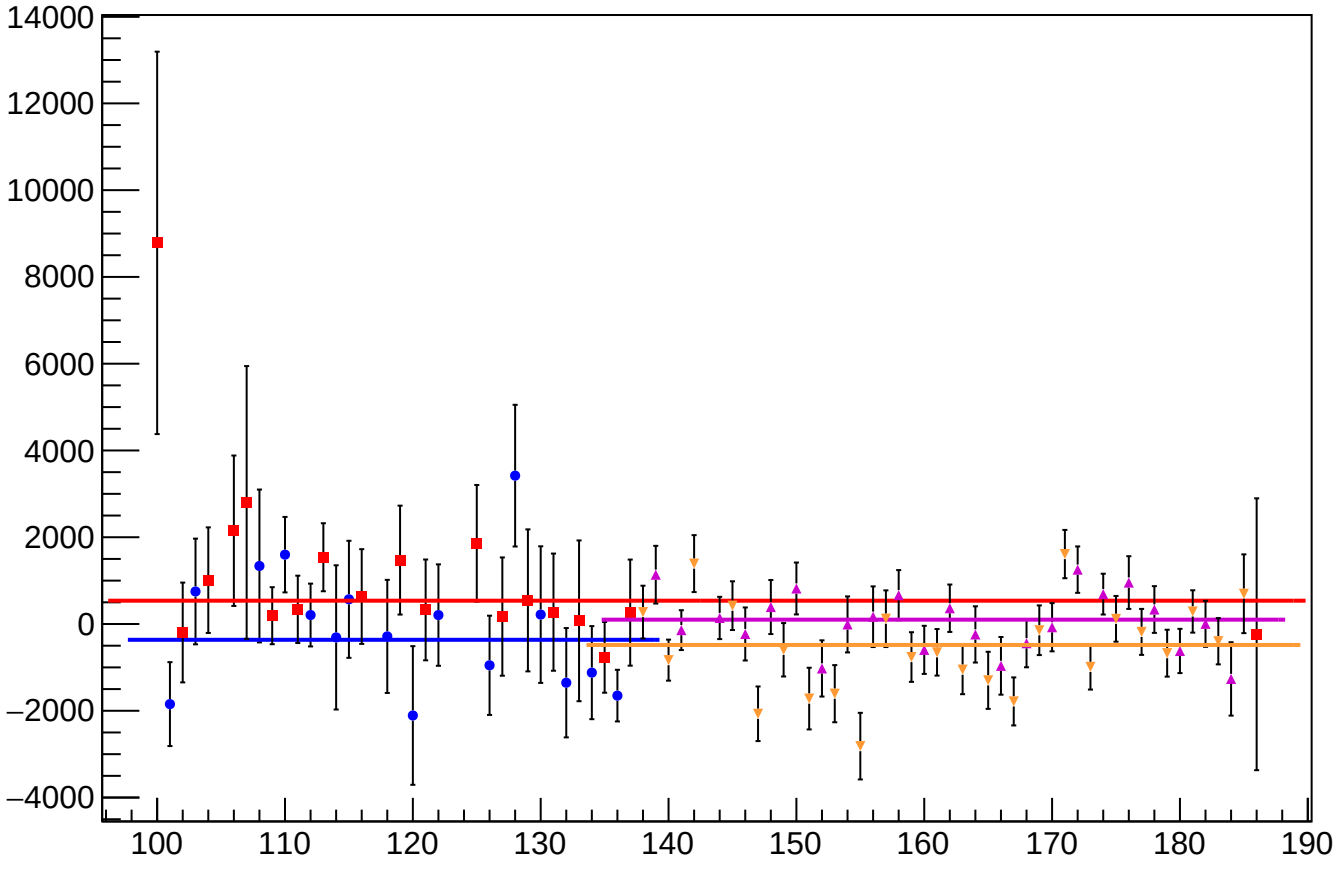
Right: 782.190+/-0.143 χ^2/NDF: 25236.4/34

In: 777.806+/-0.109 χ^2/NDF:14560.0/38

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

All: 778.593+/-0.076 χ^2/NDF: 30723.7/81

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -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

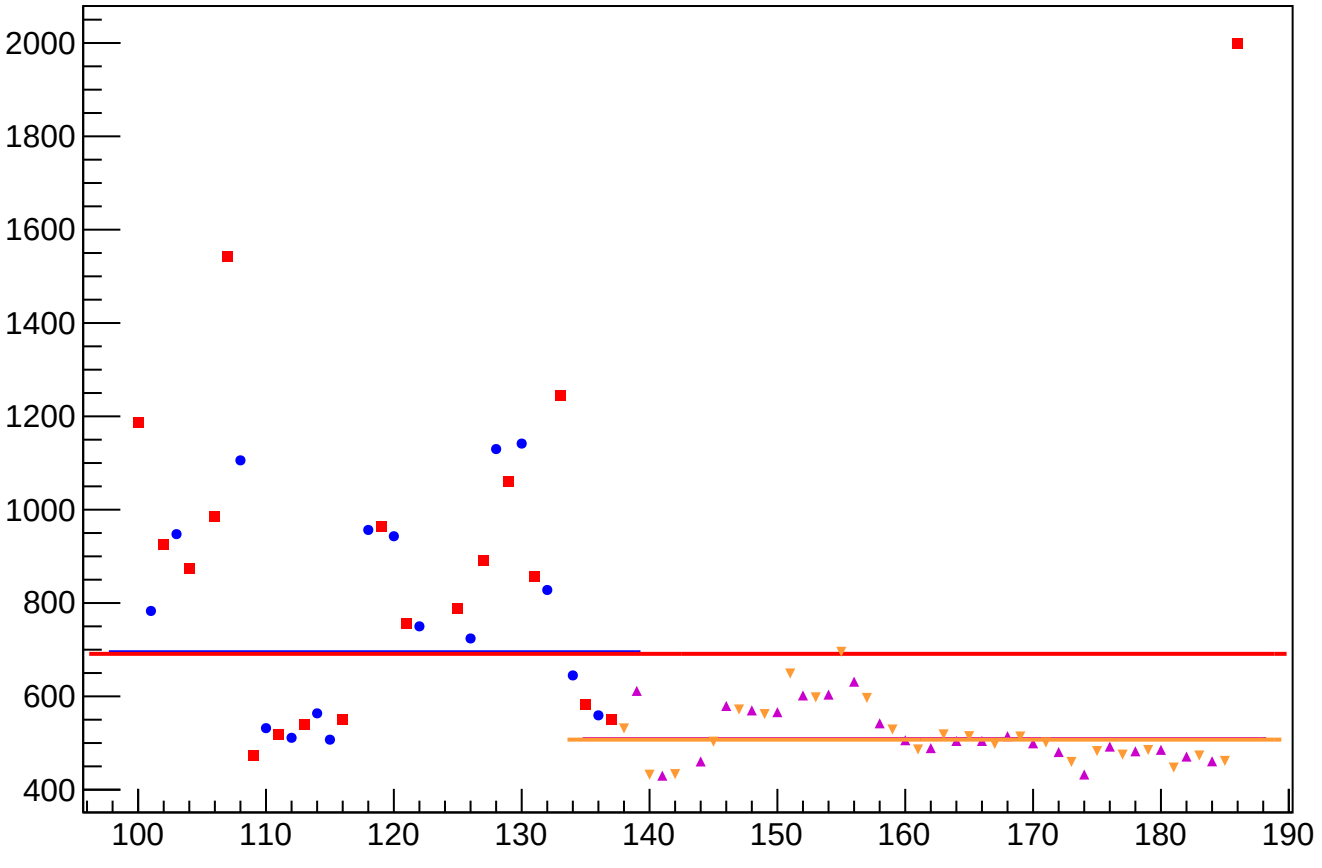
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 95.103+/-188.646 χ^2/NDF: 40.8/34

In: 23.476+/-109.365 χ^2/NDF:53.2/38

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

All: -145.514+/-76.976 χ^2/NDF: 147.3/81



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

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

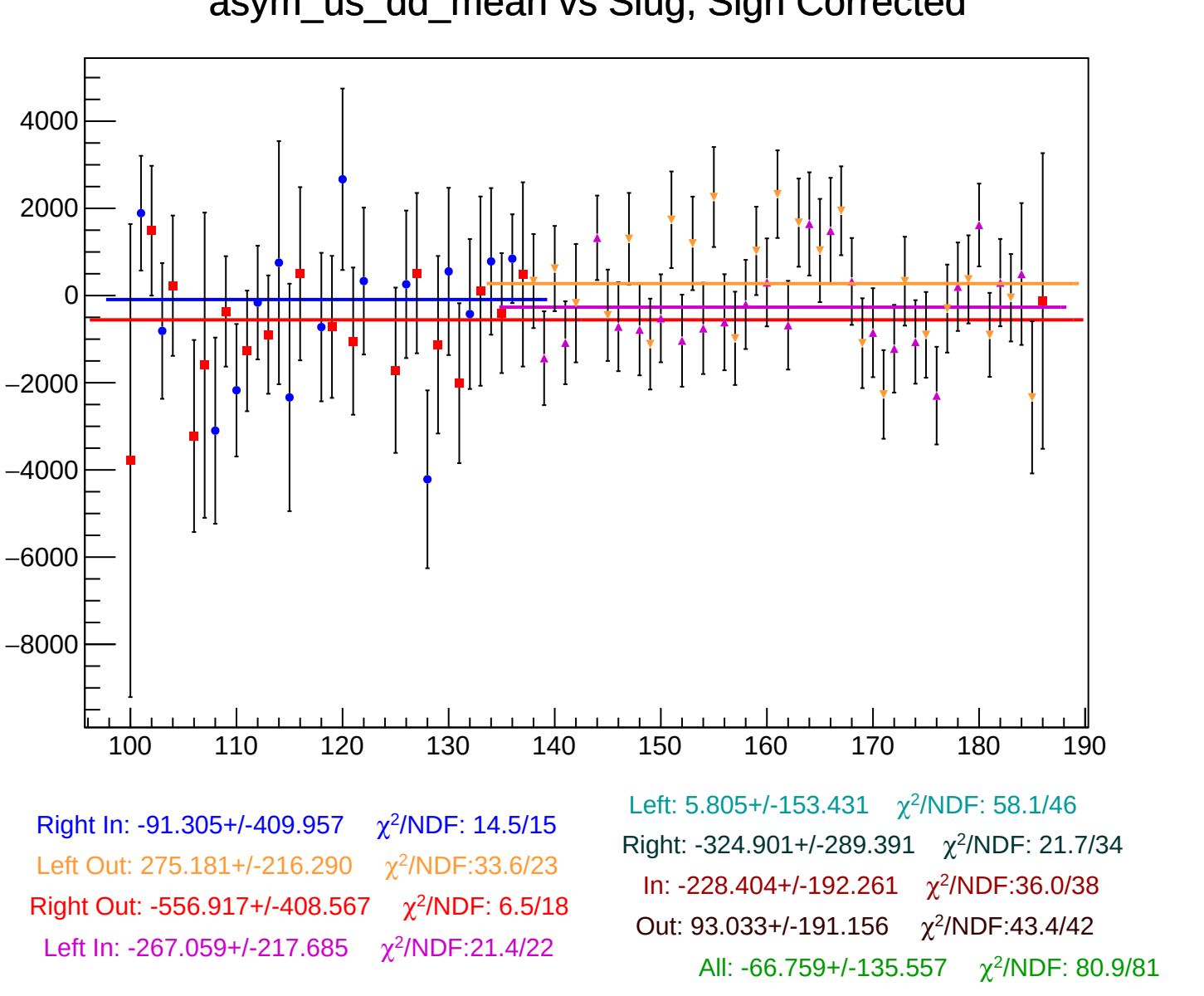
Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

Right: 692.783+/-0.133 χ^2/NDF: 2692120.4/34

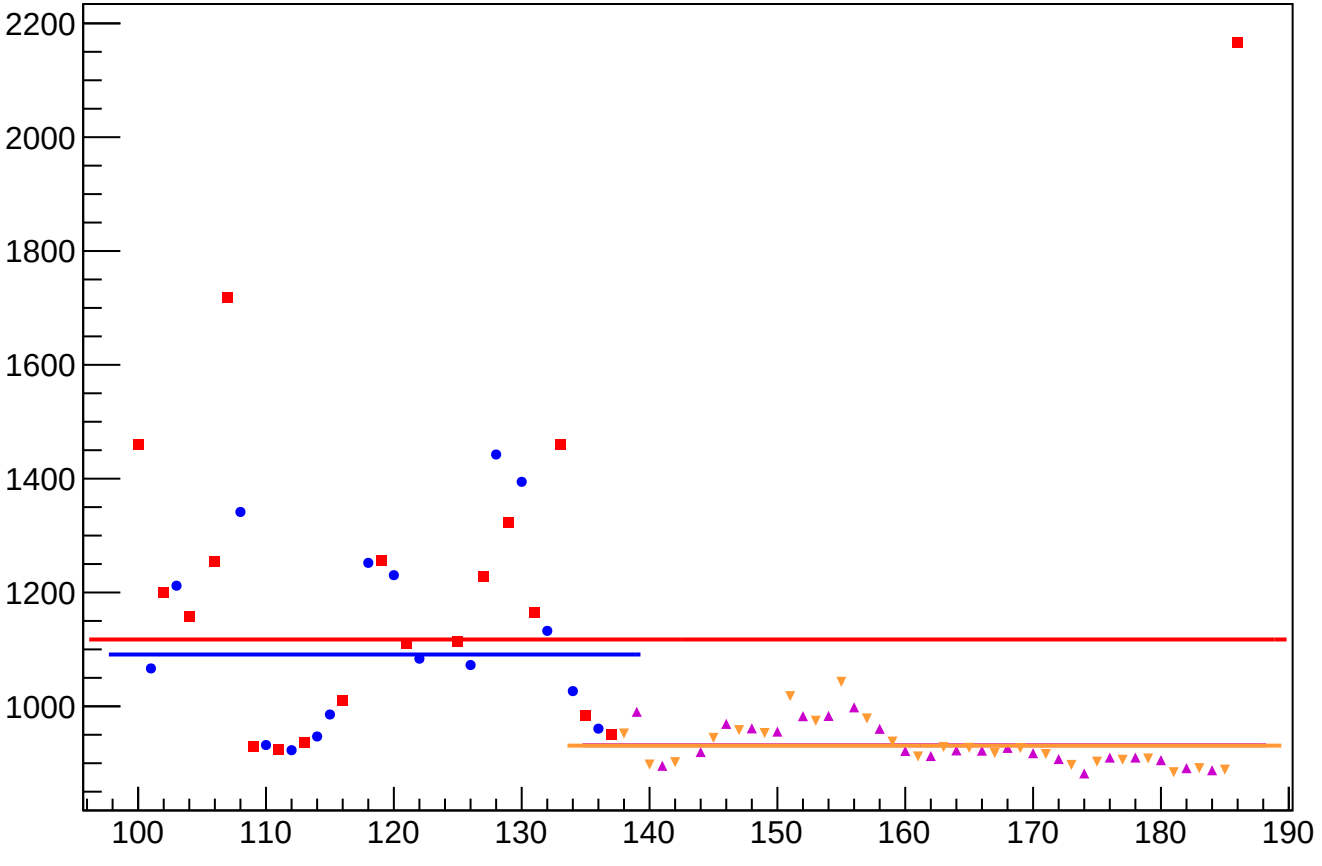
In: 539.291+/-0.077 χ^2/NDF:2257994.2/38

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

All: 538.745+/-0.054 χ^2/NDF: 5198586.5/81


asym_us_dd_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: -91.305+/-409.957 χ²/NDF: 14.5/15
Left Out: 275.181+/-216.290 χ²/NDF:33.6/23
Right Out: -556.917+/-408.567 χ²/NDF: 6.5/18
Left In: -267.059+/-217.685 χ²/NDF:21.4/22
Left: 5.805+/-153.431 χ²/NDF: 58.1/46
Right: -324.901+/-289.391 χ²/NDF: 21.7/34
In: -228.404+/-192.261 χ²/NDF:36.0/38
Out: 93.033+/-191.156 χ²/NDF:43.4/42
All: -66.759+/-135.557 χ²/NDF: 80.9/81

asym_us_dd_rms vs Slug, Sign Corrected



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

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

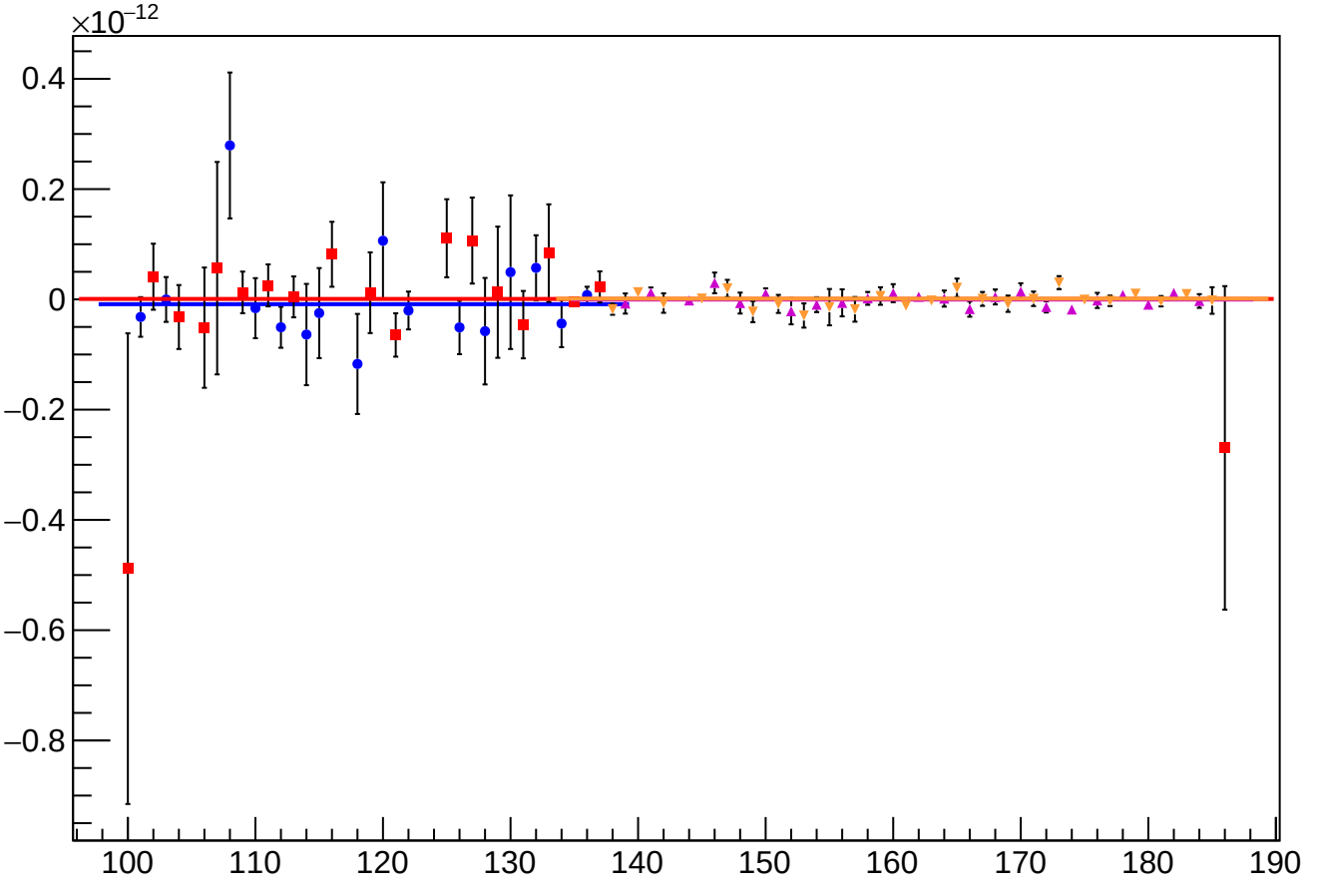
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1104.272+/-0.205 χ^2/NDF: 804024.2/34

In: 966.638+/-0.136 χ^2/NDF:562316.3/38

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

All: 969.207+/-0.096 χ^2/NDF: 1473027.3/81



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

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

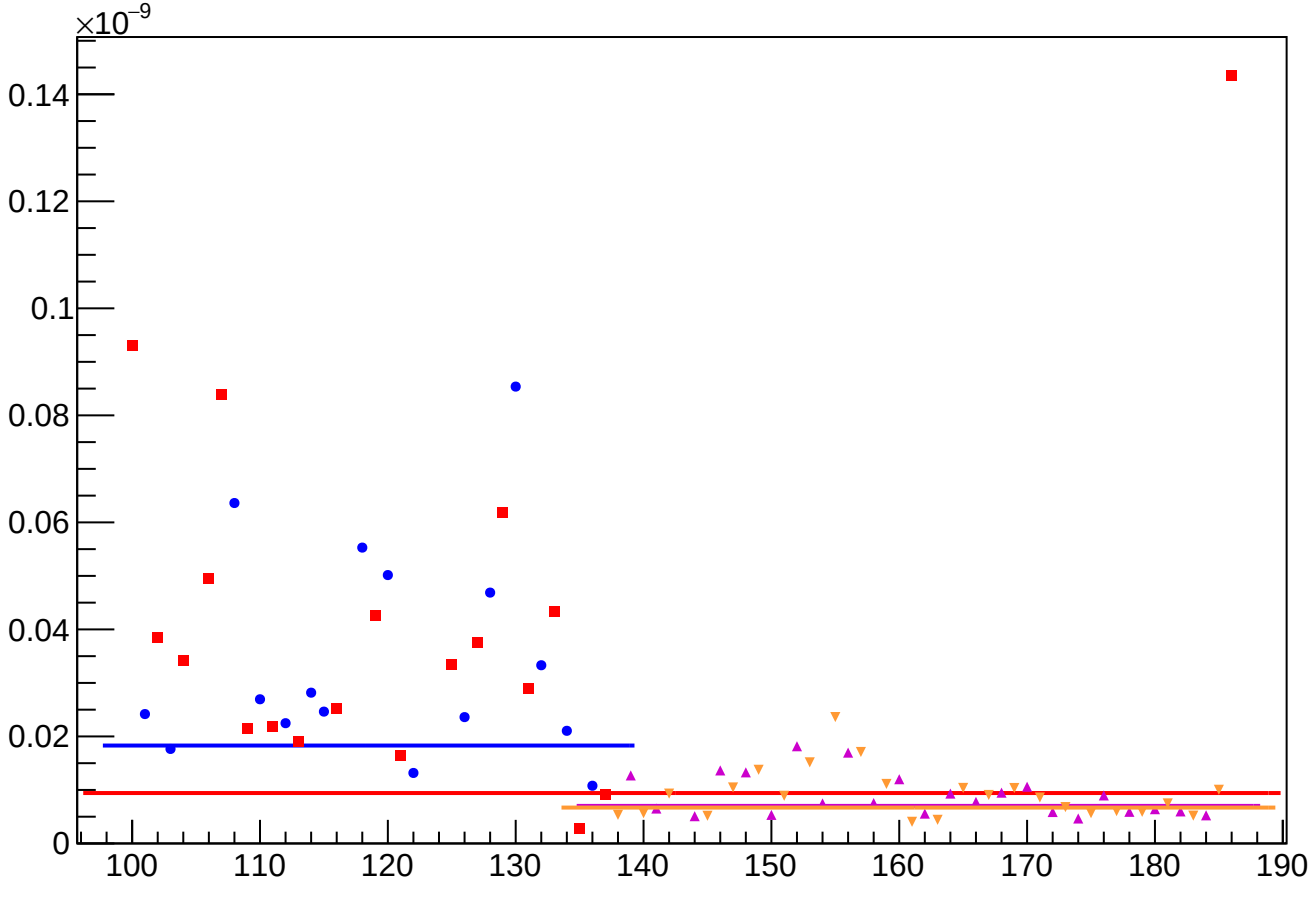
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 29.6/34

In: -0.000+/-0.000 χ^2/NDF:36.6/38

Out: 0.000+/-0.000 χ^2/NDF:40.8/42

All: 0.000+/-0.000 χ^2/NDF: 77.8/81



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

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

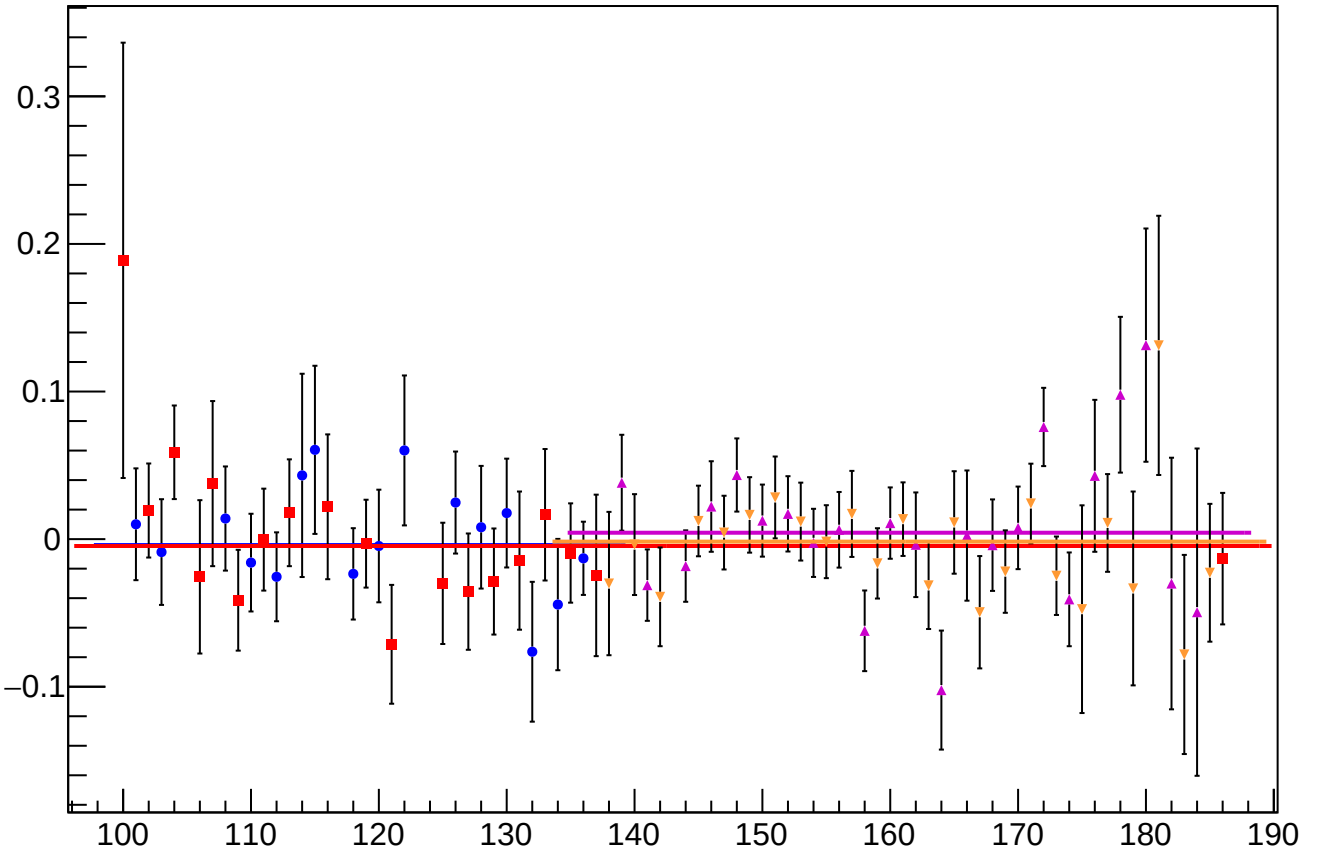
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8798960.9/34

In: 0.000+/-0.000 χ^2/NDF:6990415.5/38

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

All: 0.000+/-0.000 χ^2/NDF: 15814439.6/81



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

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

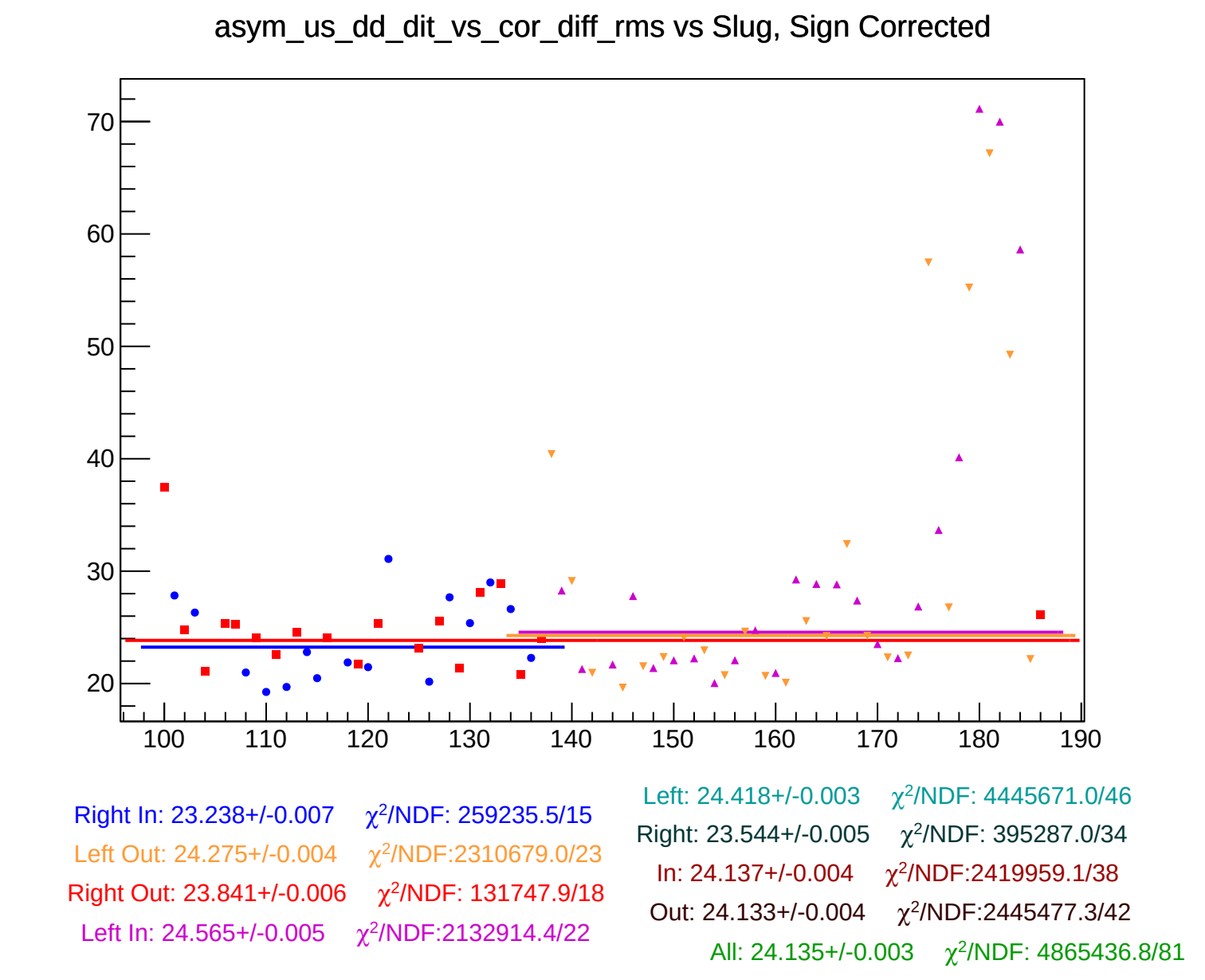
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 22.7/34

In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.001+/-0.004 χ^2/NDF: 74.8/81


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
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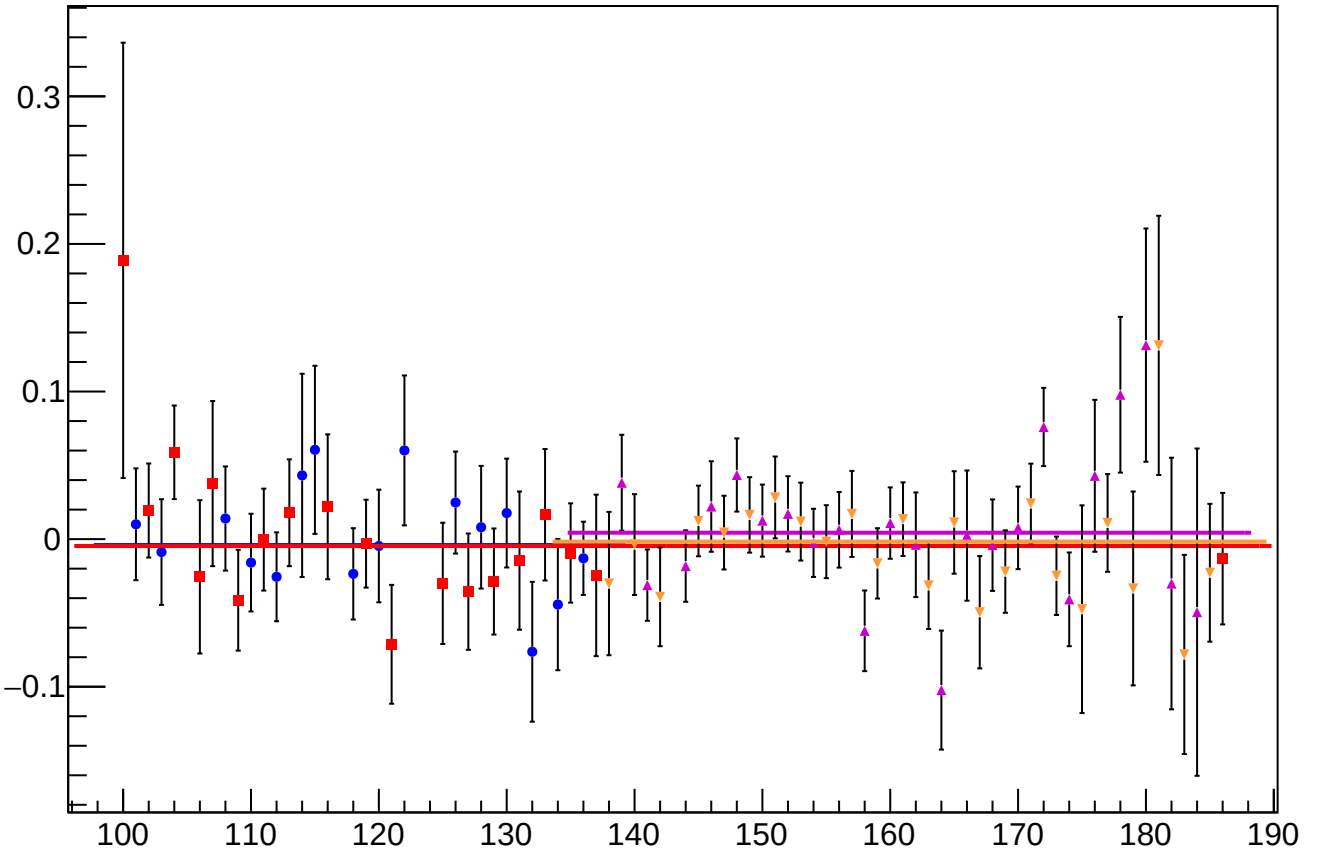
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 23.841+/-0.006 χ²/NDF: 131747.9/18
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 23.544+/-0.005 χ²/NDF: 395287.0/34
In: 24.137+/-0.004 χ²/NDF:2419959.1/38
Out: 24.133+/-0.004 χ²/NDF:2445477.3/42
All: 24.135+/-0.003 χ²/NDF: 4865436.8/81



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

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

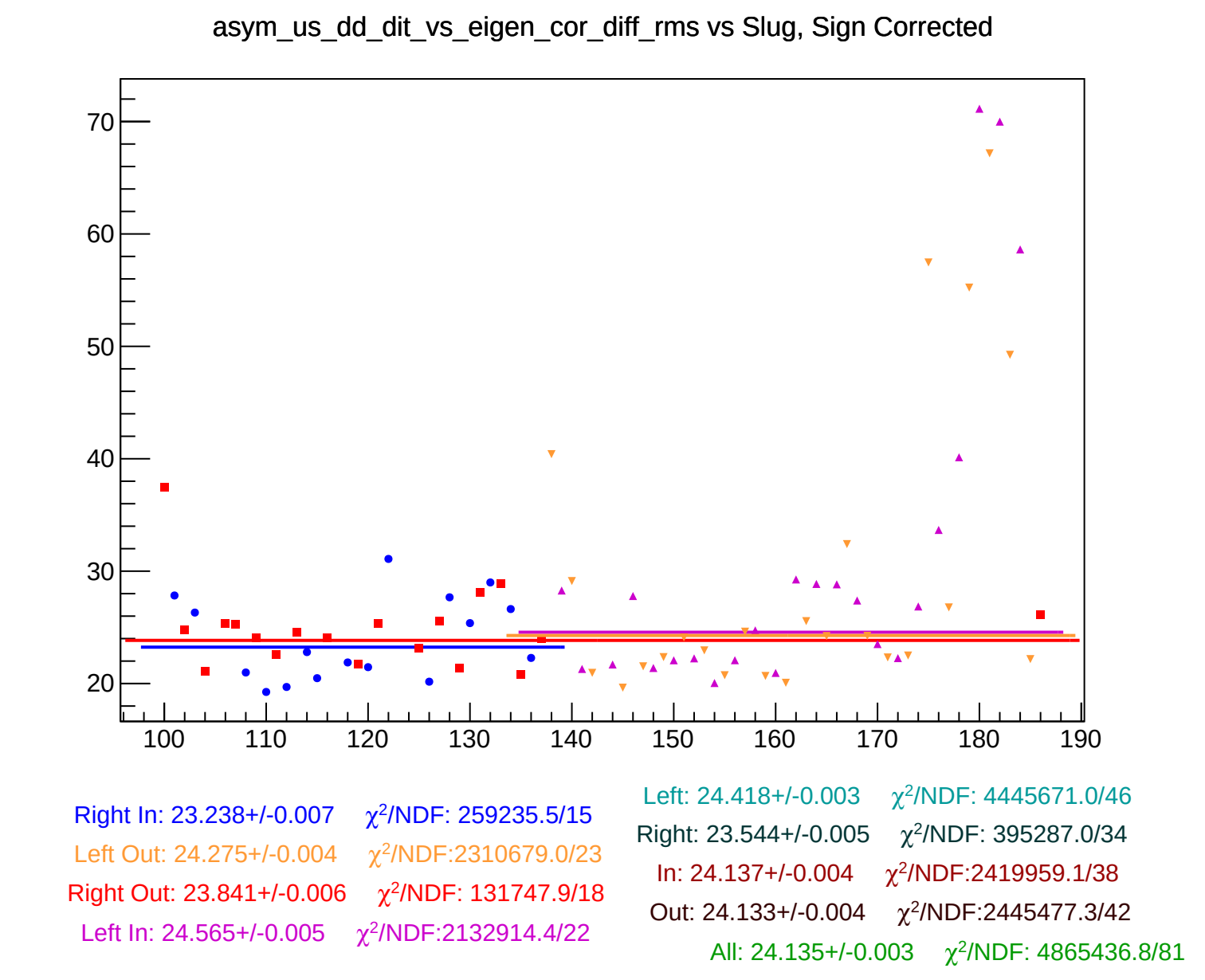
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 22.7/34

In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.001+/-0.004 χ^2/NDF: 74.8/81


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
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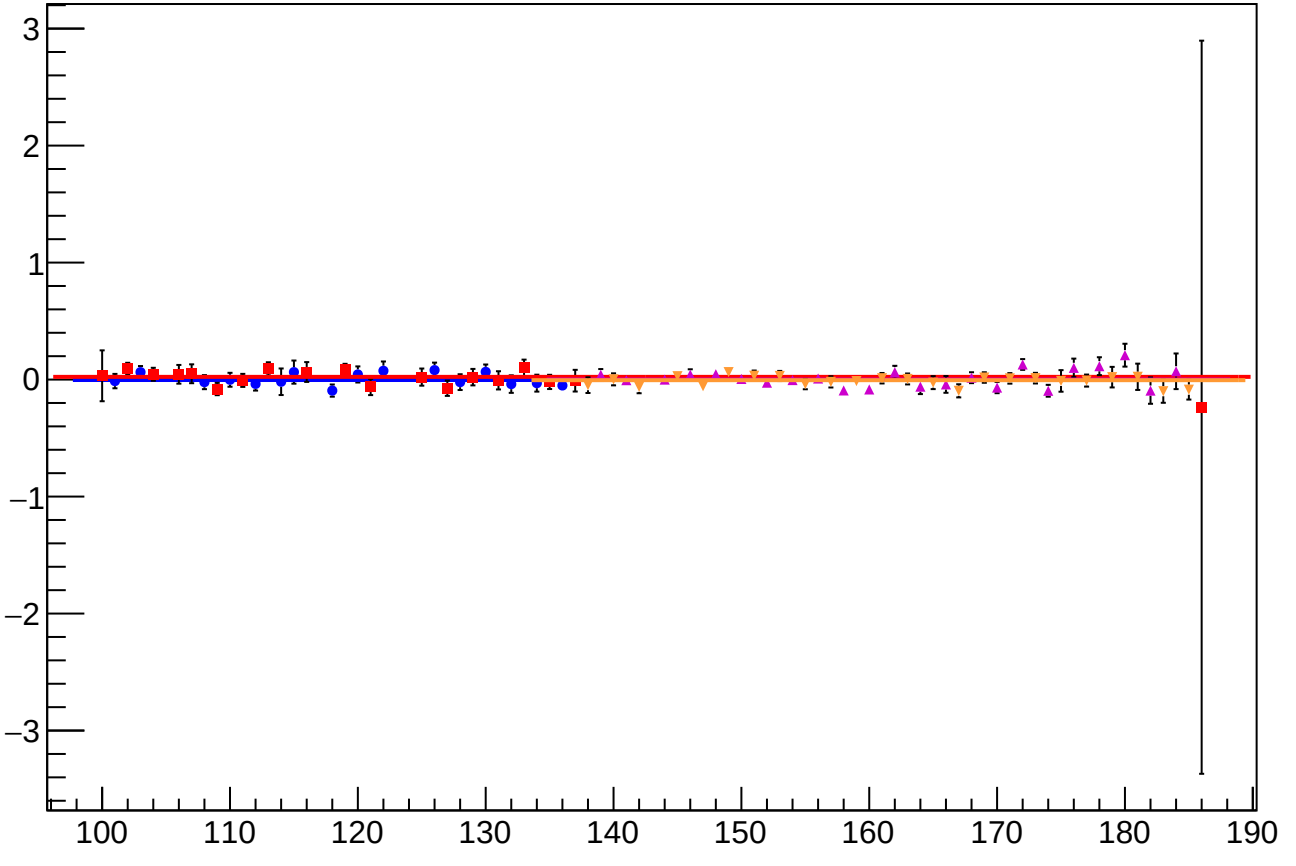
170
180
190
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 23.841+/-0.006 χ²/NDF: 131747.9/18
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 23.544+/-0.005 χ²/NDF: 395287.0/34
In: 24.137+/-0.004 χ²/NDF:2419959.1/38
Out: 24.133+/-0.004 χ²/NDF:2445477.3/42
All: 24.135+/-0.003 χ²/NDF: 4865436.8/81

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-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

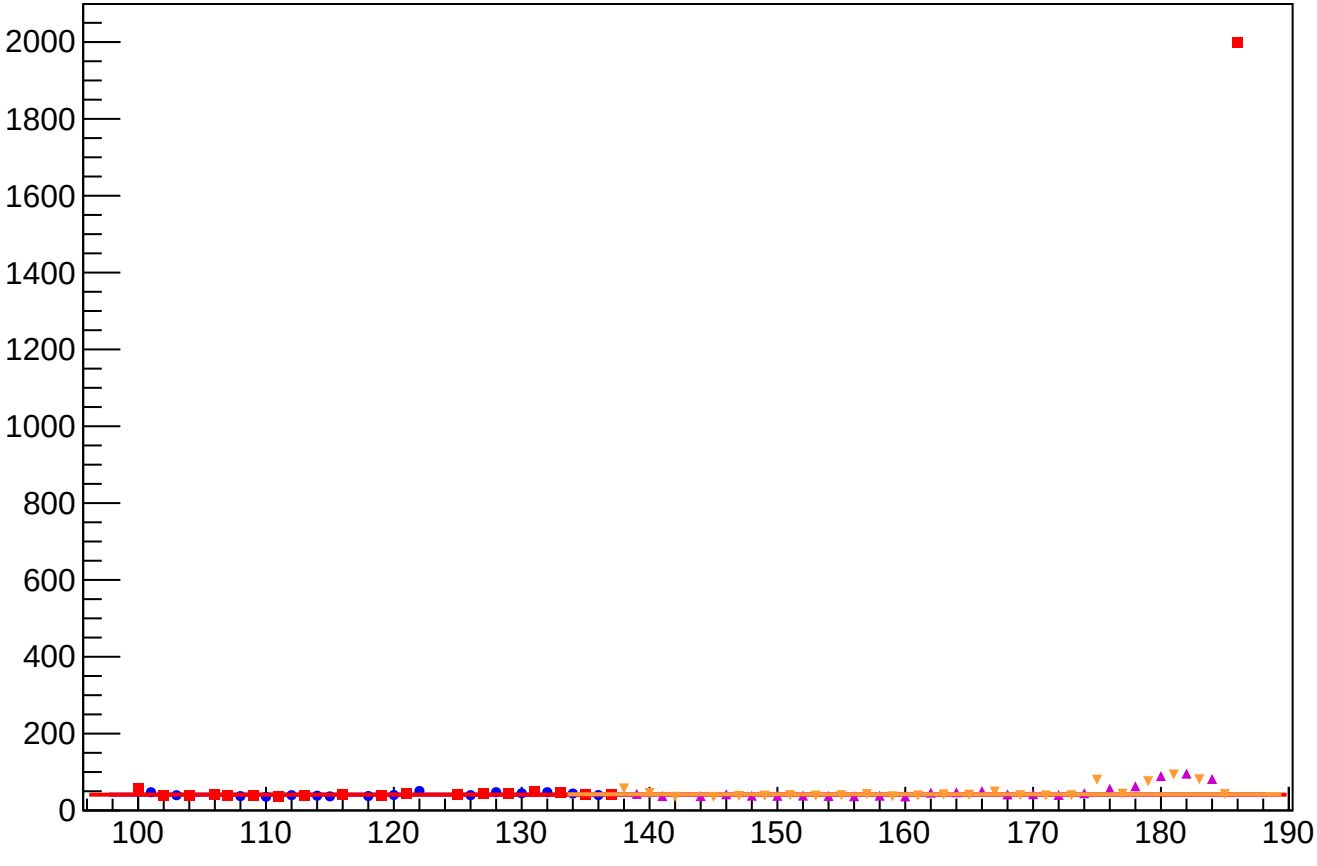
Right: 0.010+/-0.011 χ^2/NDF: 28.5/34

In: -0.001+/-0.009 χ^2/NDF:49.6/38

Out: 0.004+/-0.009 χ^2/NDF:31.6/42

All: 0.001+/-0.006 χ^2/NDF: 81.3/81

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

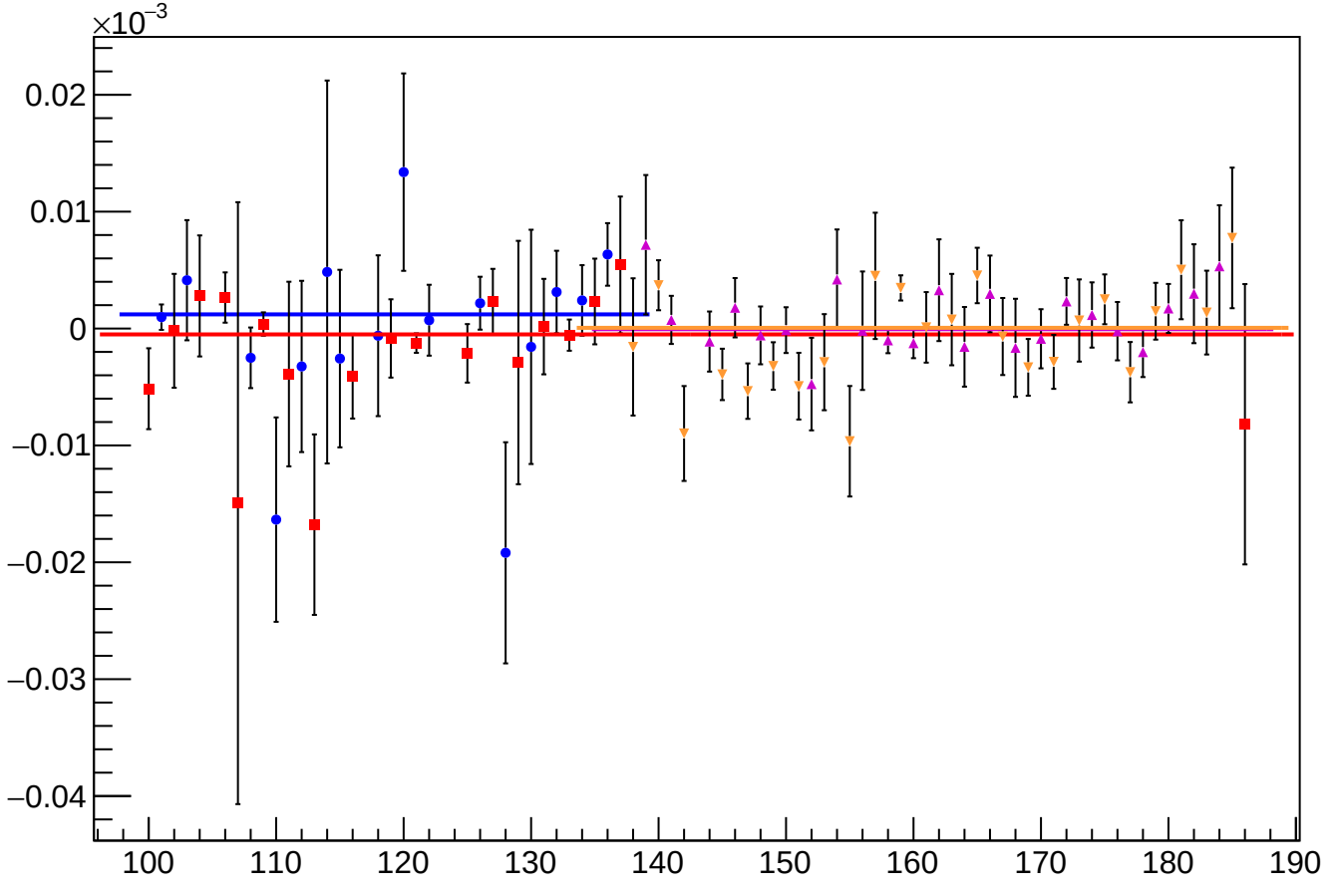
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.171+/-0.008 χ^2/NDF: 1012496.4/34

In: 41.823+/-0.006 χ^2/NDF:1682715.1/38

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

All: 41.803+/-0.004 χ^2/NDF: 4281496.7/81



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

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

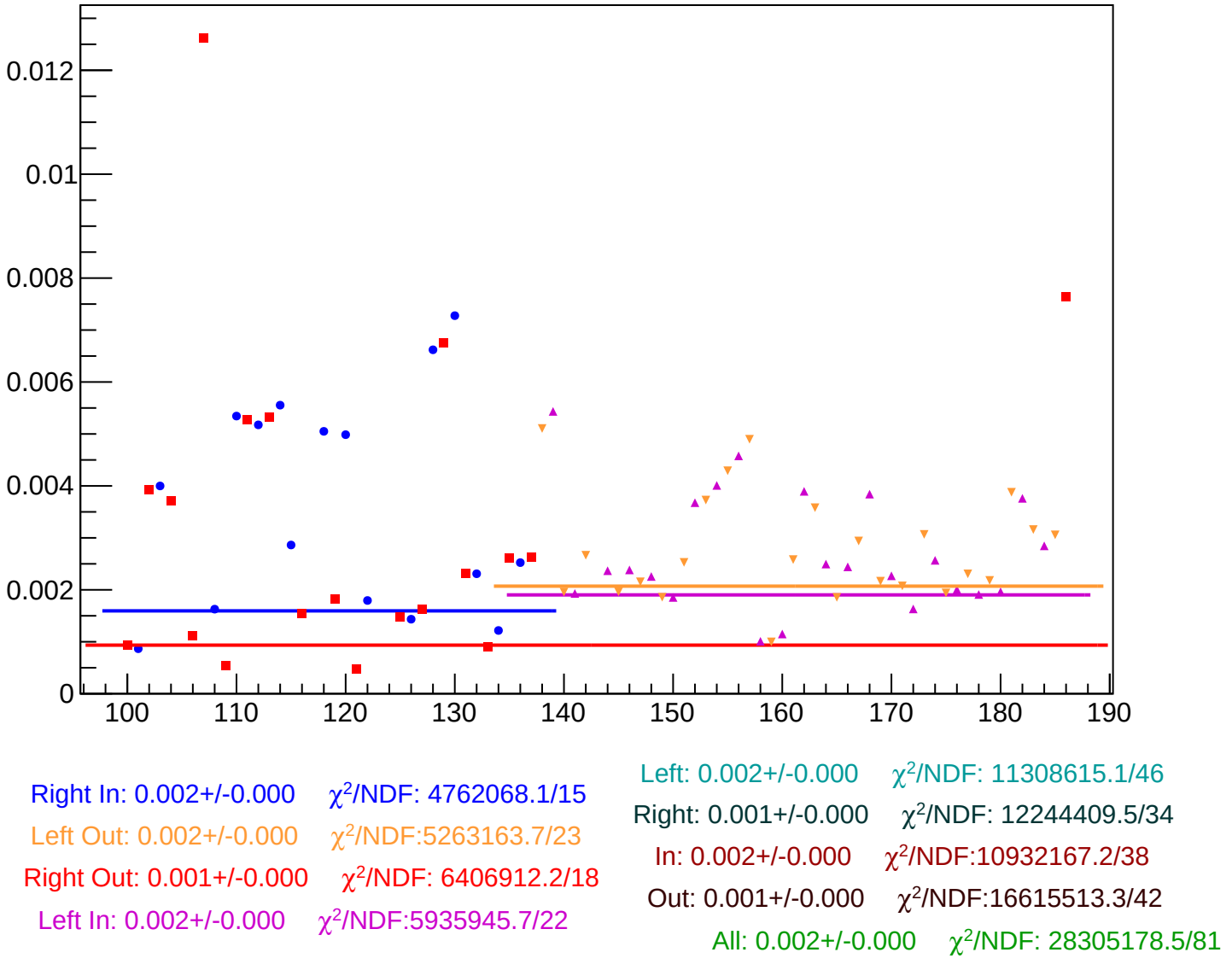
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

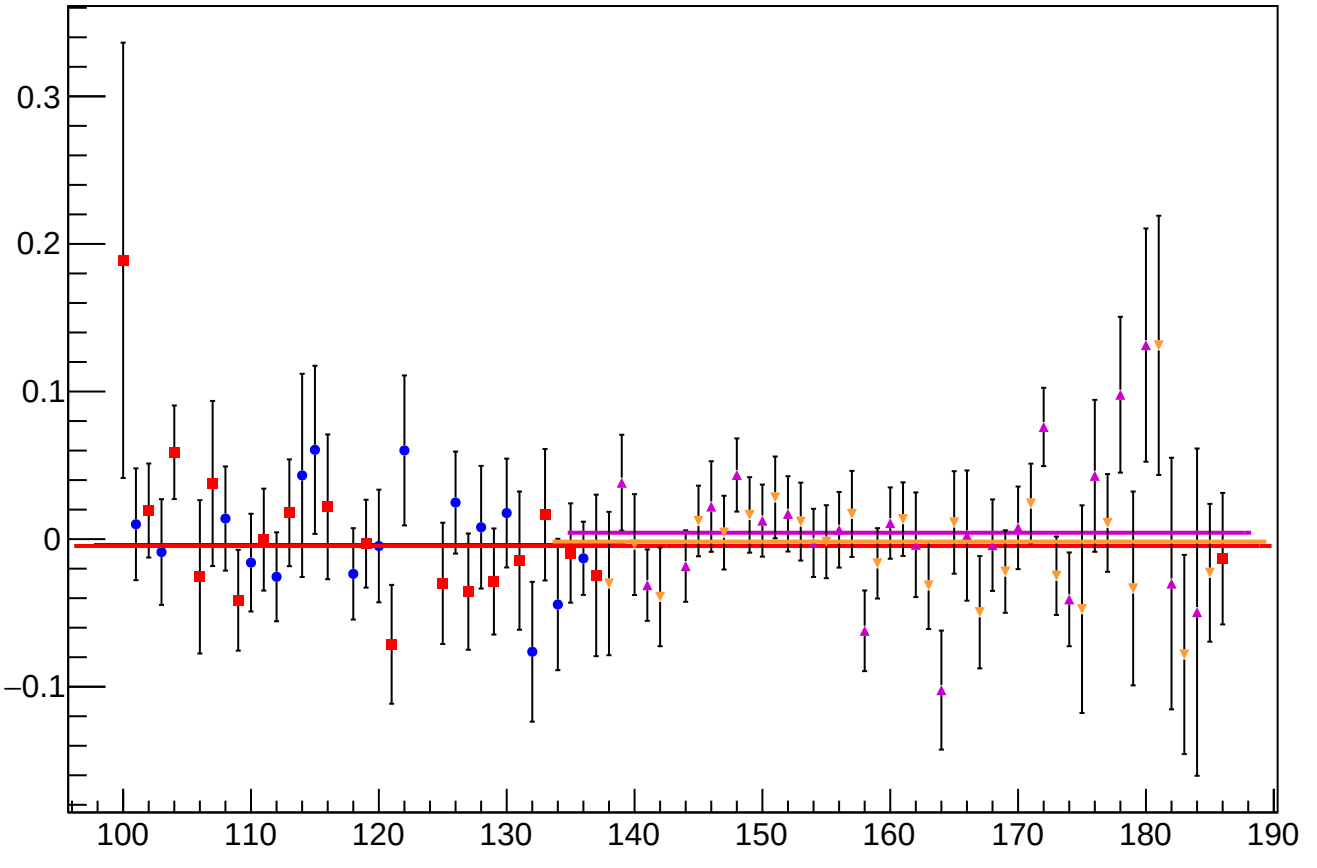
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:33.3/38

Out: -0.000+/-0.000 χ^2/NDF:67.7/42

All: 0.000+/-0.000 χ^2/NDF: 102.0/81


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: 4762068.1/15
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: 12244409.5/34
In: 0.002+/-0.000 χ²/NDF:10932167.2/38
Out: 0.001+/-0.000 χ²/NDF:16615513.3/42
All: 0.002+/-0.000 χ²/NDF: 28305178.5/81



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

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

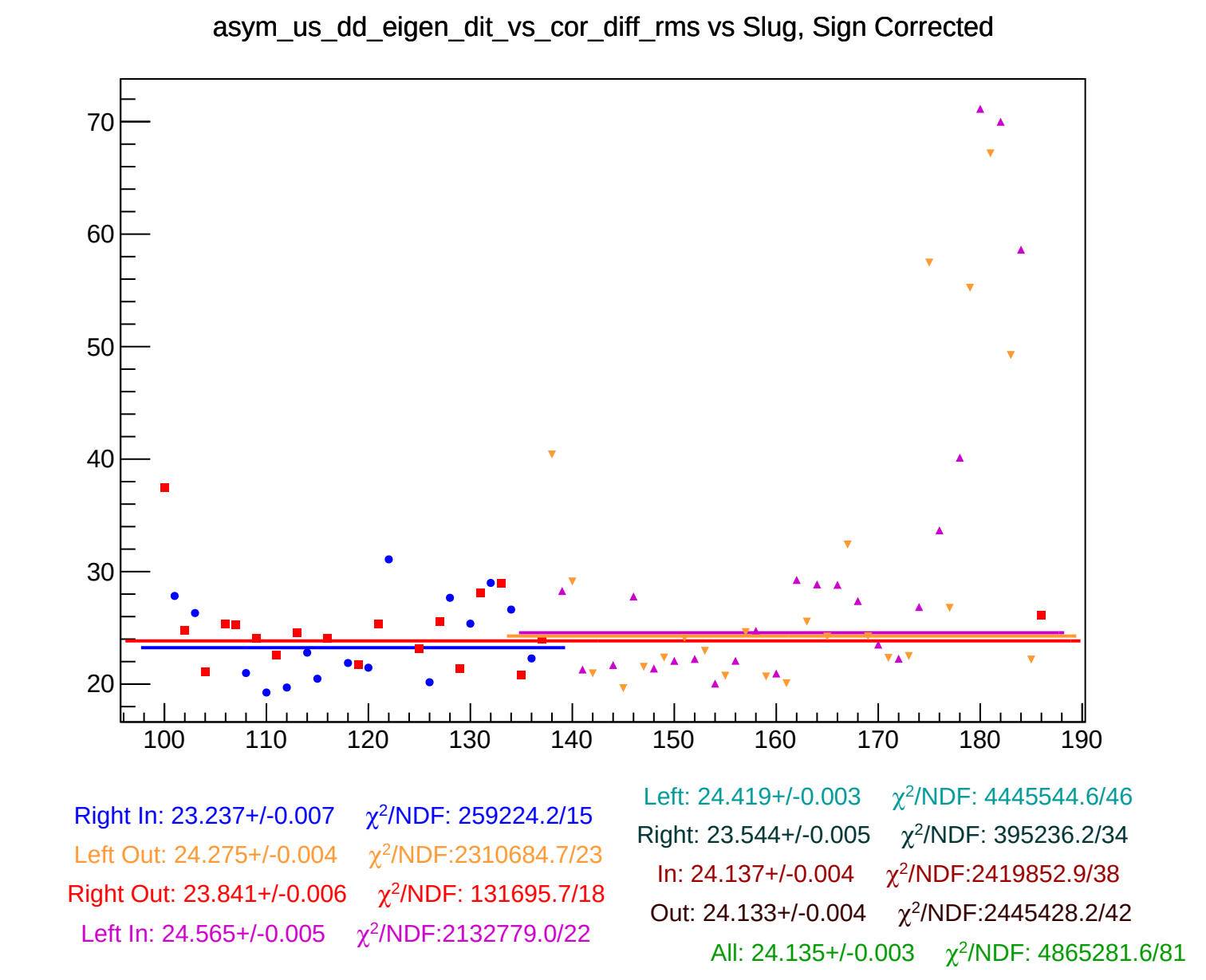
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 22.7/34

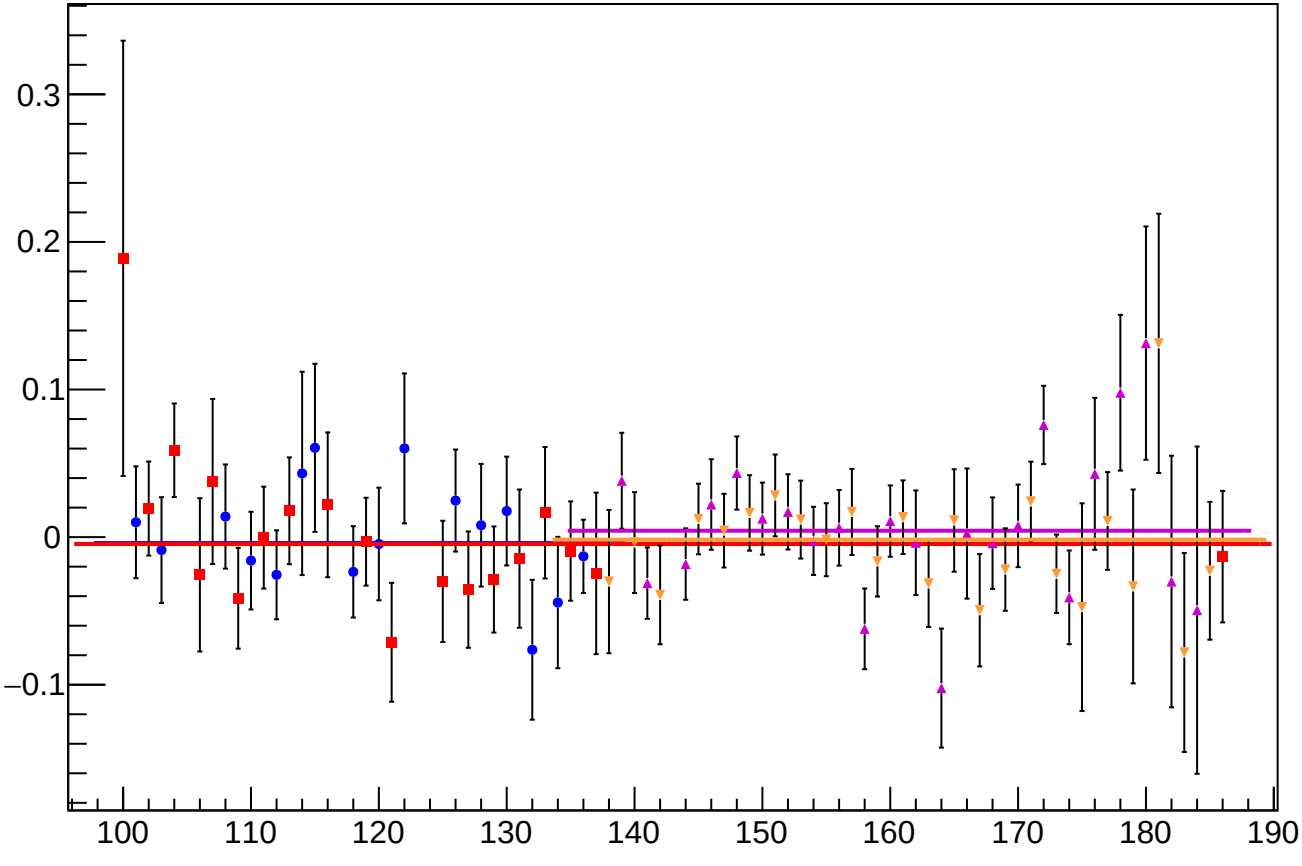
In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.001+/-0.004 χ^2/NDF: 74.8/81


asym_us_dd_eigen_dit_vs_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: 23.237+/-0.007 χ²/NDF: 259224.2/15
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: 23.544+/-0.005 χ²/NDF: 395236.2/34
In: 24.137+/-0.004 χ²/NDF:2419852.9/38
Out: 24.133+/-0.004 χ²/NDF:2445428.2/42
All: 24.135+/-0.003 χ²/NDF: 4865281.6/81

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.002+/-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

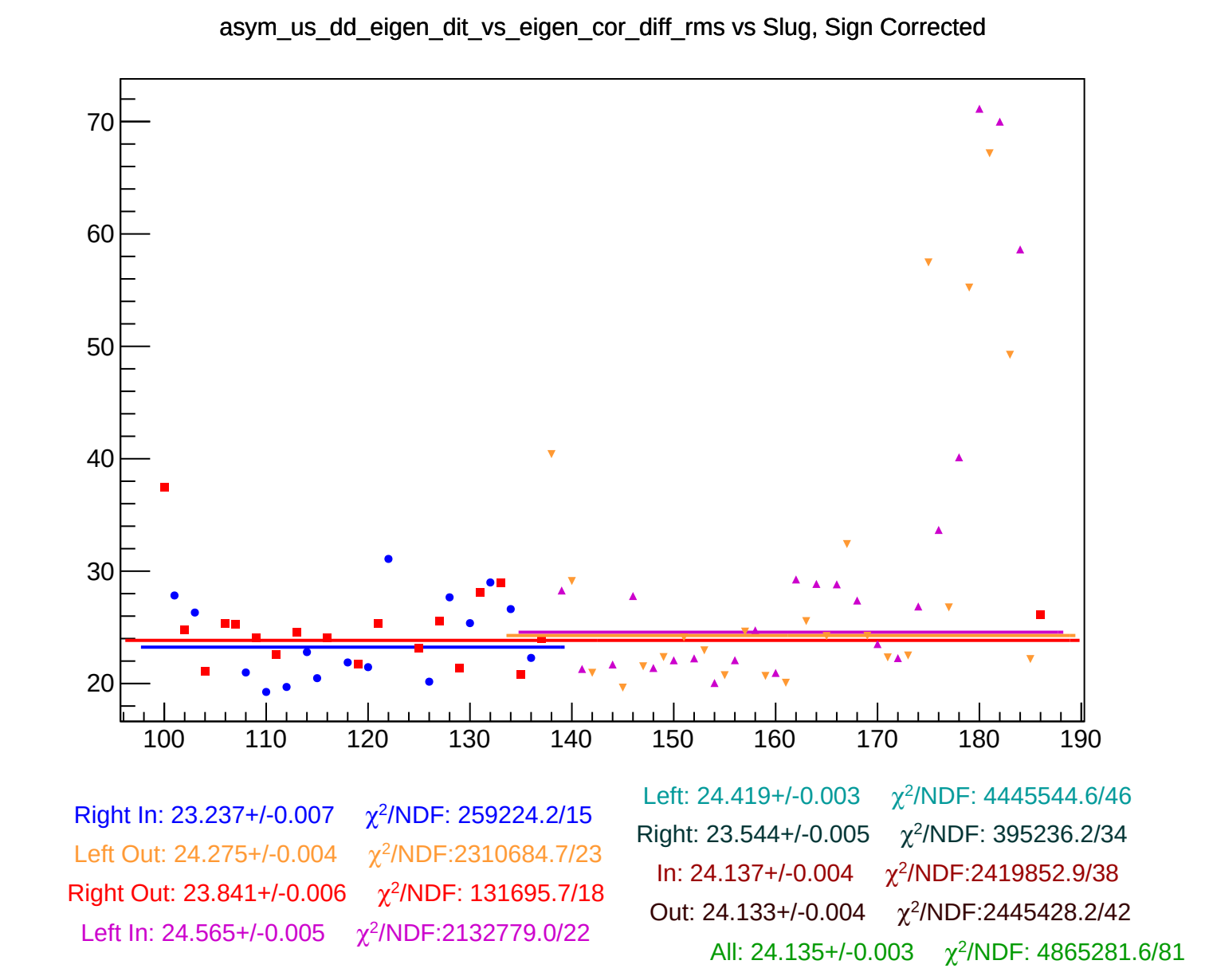
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 22.7/34

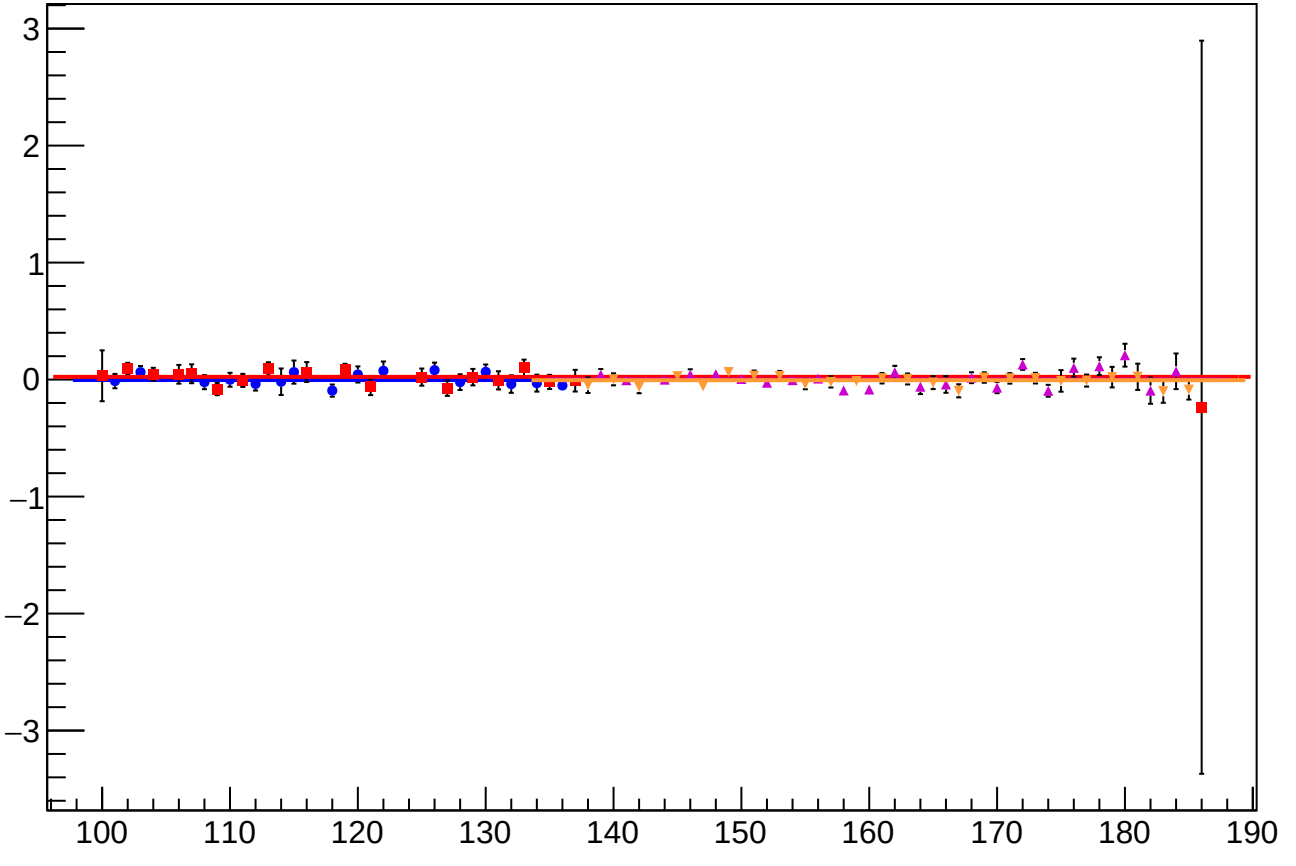
In: 0.002+/-0.005 χ^2/NDF:46.3/38

Out: -0.003+/-0.005 χ^2/NDF:28.2/42

All: -0.001+/-0.004 χ^2/NDF: 74.8/81


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: 23.237+/-0.007 χ²/NDF: 259224.2/15
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: 23.544+/-0.005 χ²/NDF: 395236.2/34
In: 24.137+/-0.004 χ²/NDF:2419852.9/38
Out: 24.133+/-0.004 χ²/NDF:2445428.2/42
All: 24.135+/-0.003 χ²/NDF: 4865281.6/81

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-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

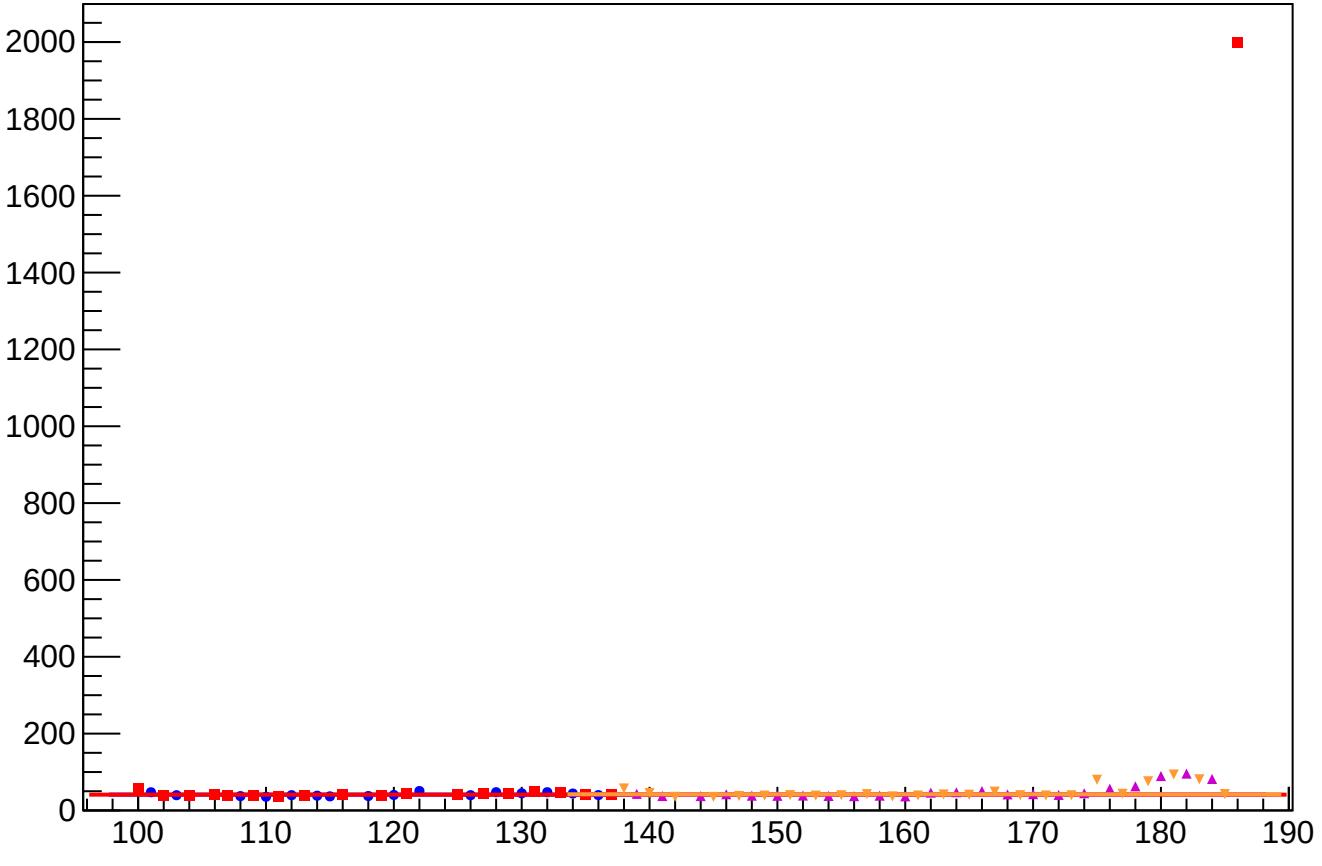
Right: 0.010+/-0.011 χ^2/NDF: 28.5/34

In: -0.001+/-0.009 χ^2/NDF:49.6/38

Out: 0.004+/-0.009 χ^2/NDF:31.6/42

All: 0.001+/-0.006 χ^2/NDF: 81.3/81

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

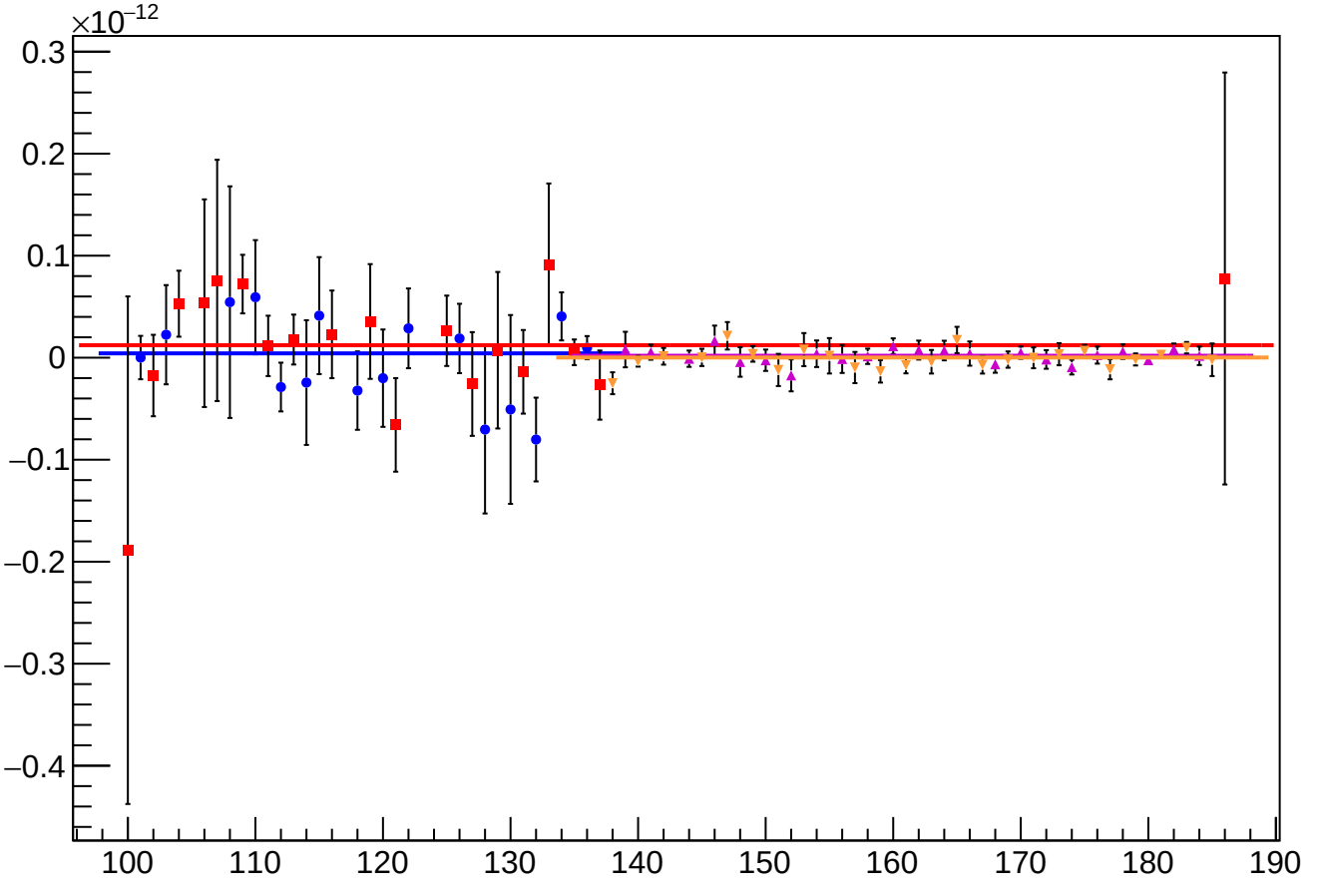
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

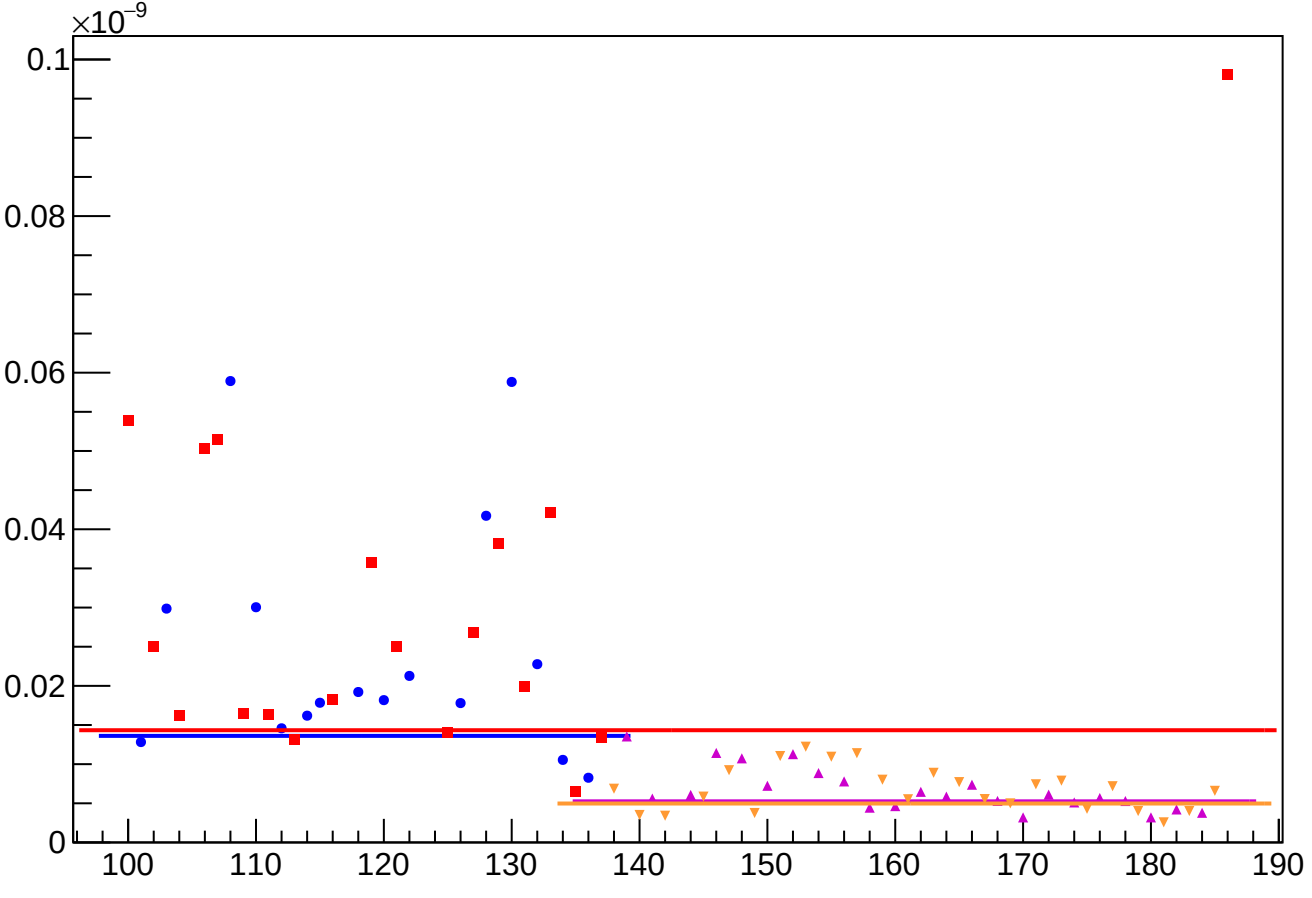
Right: 41.171+/-0.008 χ^2/NDF: 1012462.8/34

In: 41.823+/-0.006 χ^2/NDF:1682672.1/38

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

All: 41.803+/-0.004 χ^2/NDF: 4281433.9/81


asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: 0.000+/-0.000 χ²/NDF:21.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 14.6/18
Left In: 0.000+/-0.000 χ²/NDF:11.7/22
Left: 0.000+/-0.000 χ²/NDF: 33.5/46
Right: 0.000+/-0.000 χ²/NDF: 28.8/34
In: 0.000+/-0.000 χ²/NDF:25.5/38
Out: 0.000+/-0.000 χ²/NDF:38.1/42
All: 0.000+/-0.000 χ²/NDF: 63.9/81



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

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

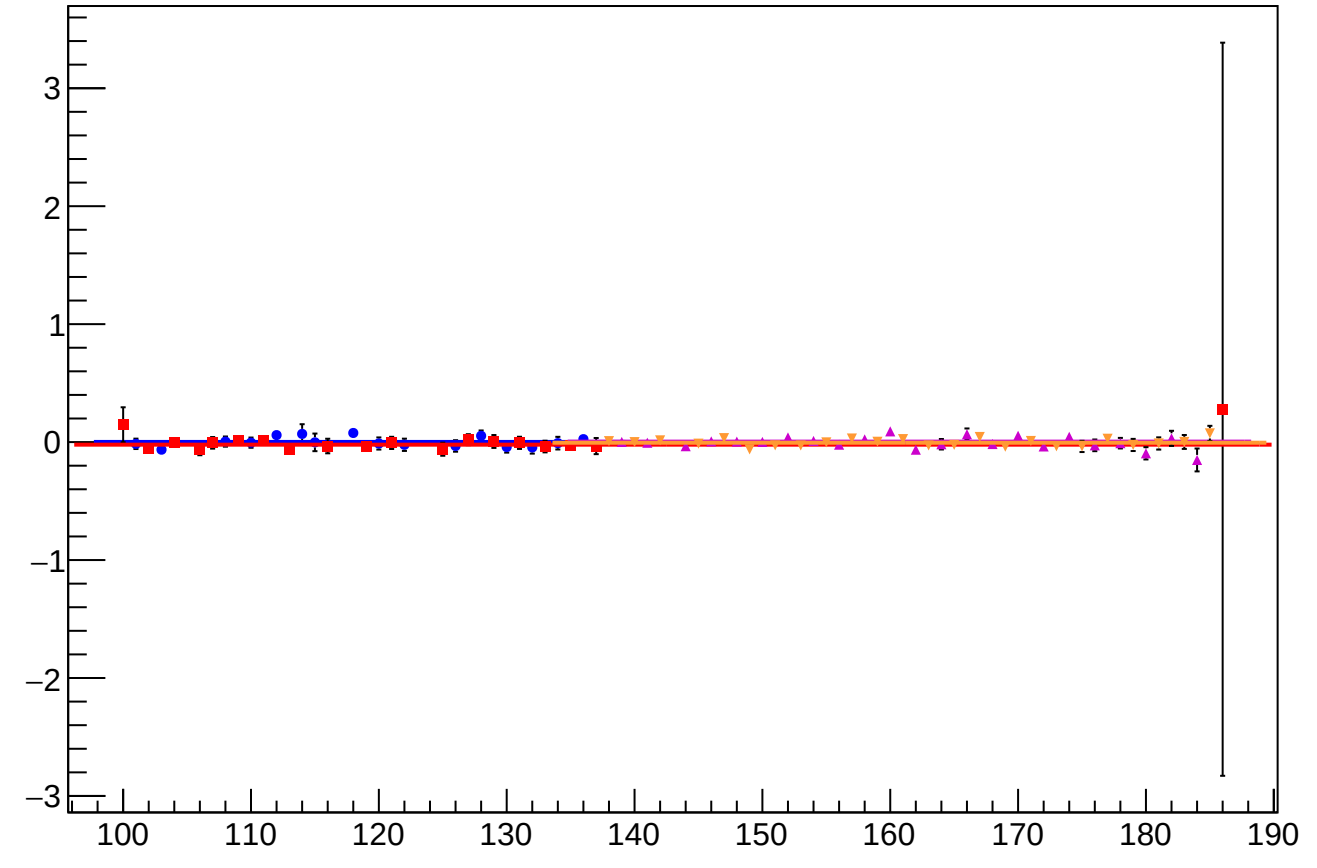
Left: 0.000+/-0.000 χ^2/NDF: 6182698.7/46

Right: 0.000+/-0.000 χ^2/NDF: 5013808.4/34

In: 0.000+/-0.000 χ^2/NDF:7241890.4/38

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

All: 0.000+/-0.000 χ^2/NDF: 16395015.6/81



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

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

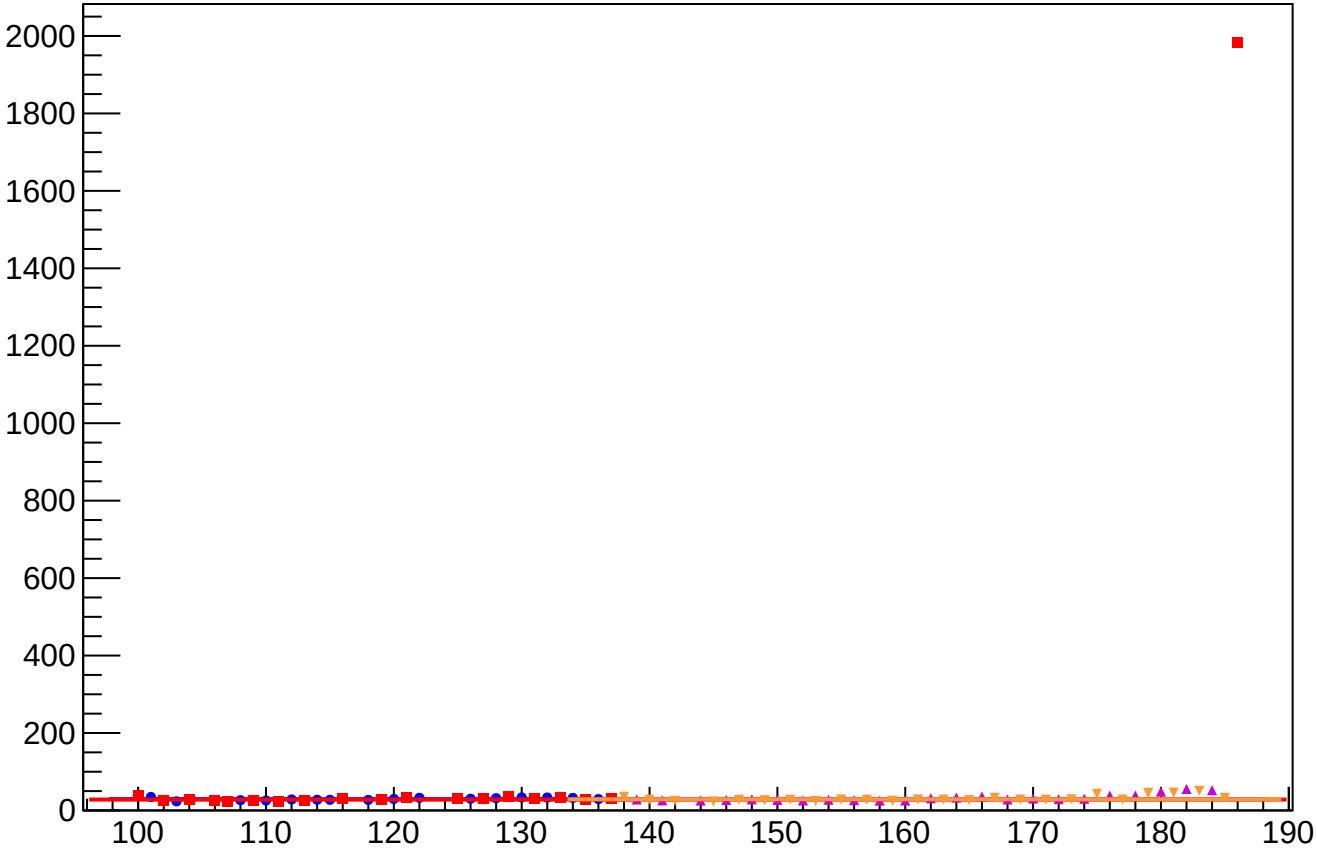
Right: -0.011+/-0.008 χ^2/NDF: 26.5/34

In: 0.003+/-0.006 χ^2/NDF:46.6/38

Out: -0.010+/-0.006 χ^2/NDF:27.4/42

All: -0.004+/-0.004 χ^2/NDF: 76.5/81

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

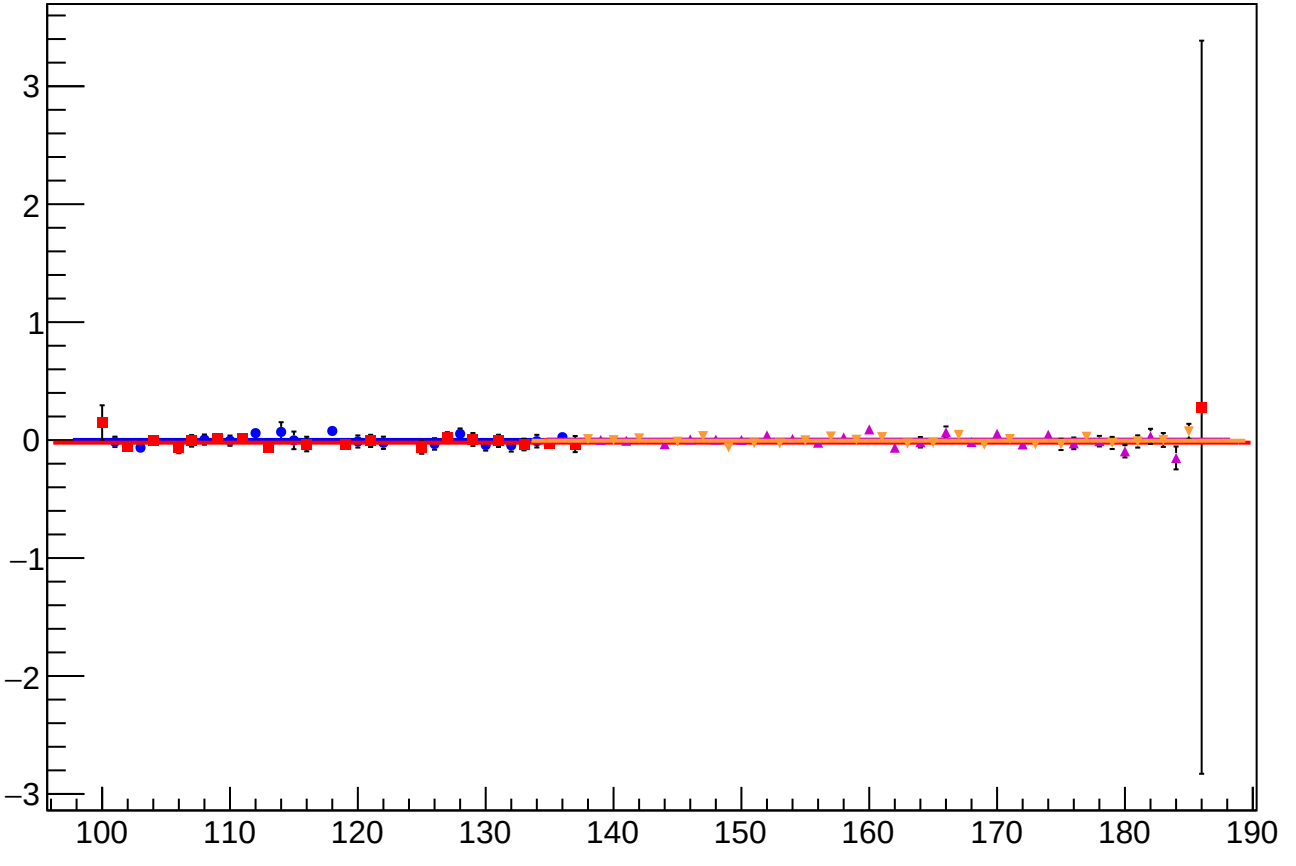
Right: 28.635+/-0.005 χ^2/NDF: 1162732.9/34

In: 29.223+/-0.004 χ^2/NDF:1317360.5/38

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

All: 28.902+/-0.003 χ^2/NDF: 3481442.9/81

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-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

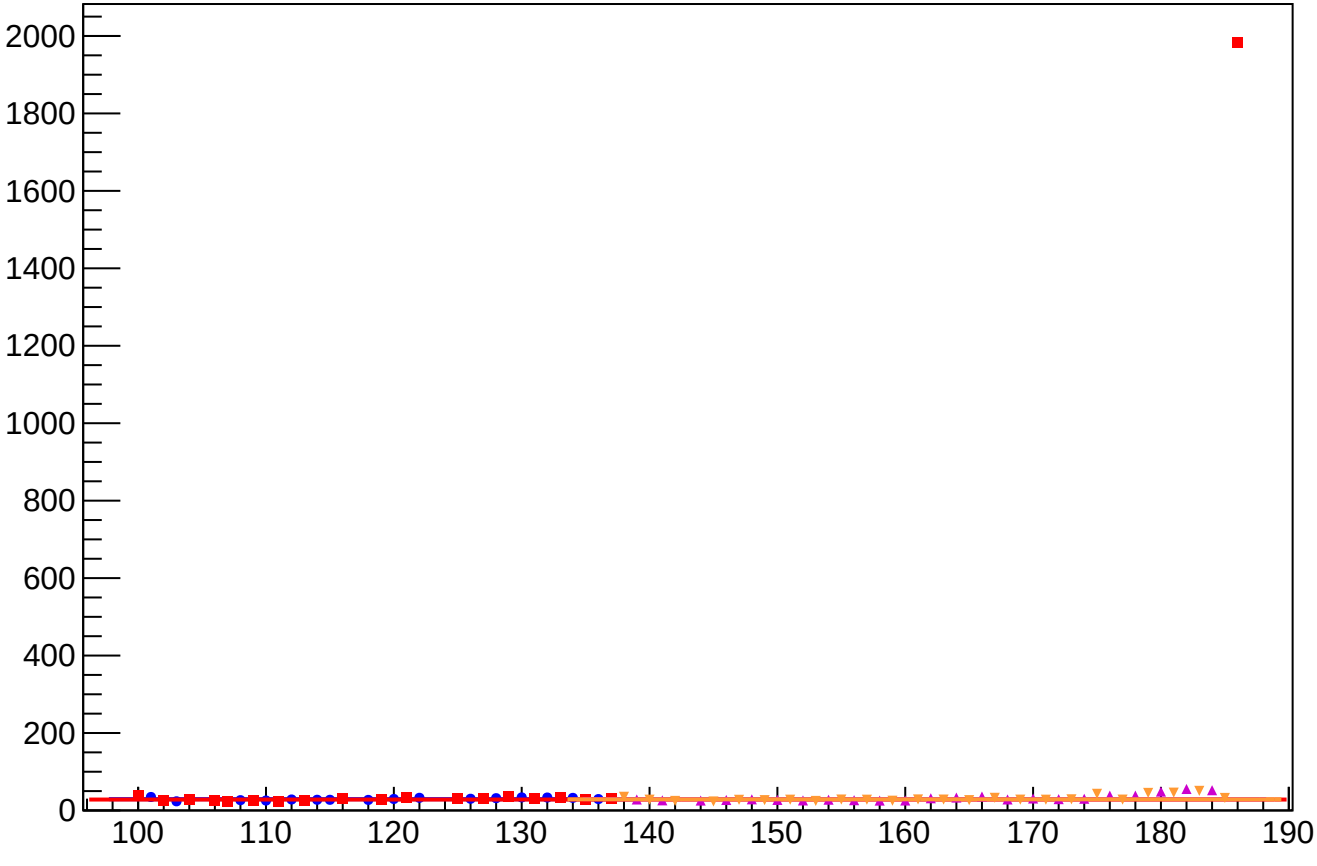
Right: -0.011+/-0.008 χ^2/NDF: 26.5/34

In: 0.003+/-0.006 χ^2/NDF:46.6/38

Out: -0.010+/-0.006 χ^2/NDF:27.4/42

All: -0.004+/-0.004 χ^2/NDF: 76.5/81

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 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

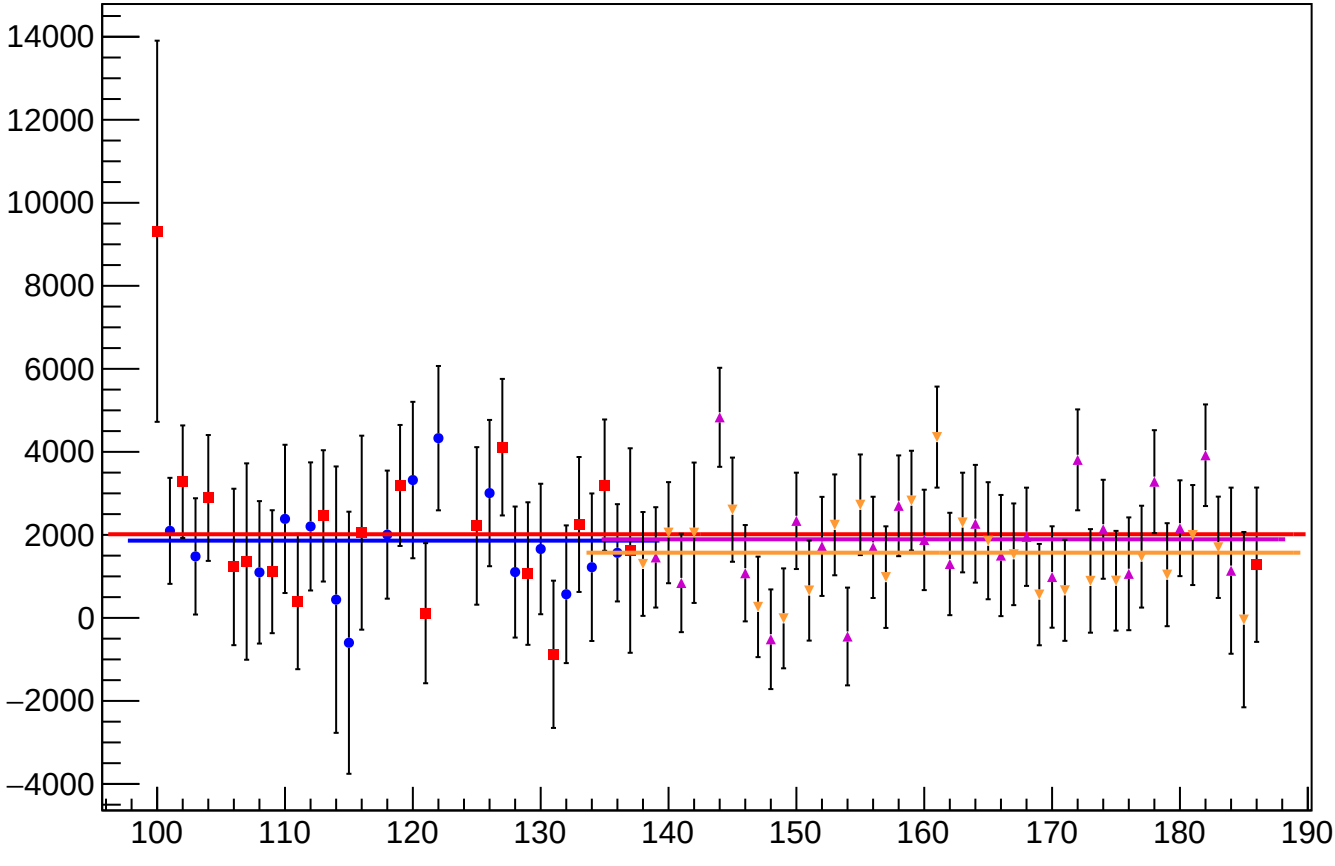
Right: 28.635+/-0.005 χ^2/NDF: 1162732.9/34

In: 29.223+/-0.004 χ^2/NDF:1317360.5/38

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

All: 28.902+/-0.003 χ^2/NDF: 3481442.9/81

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

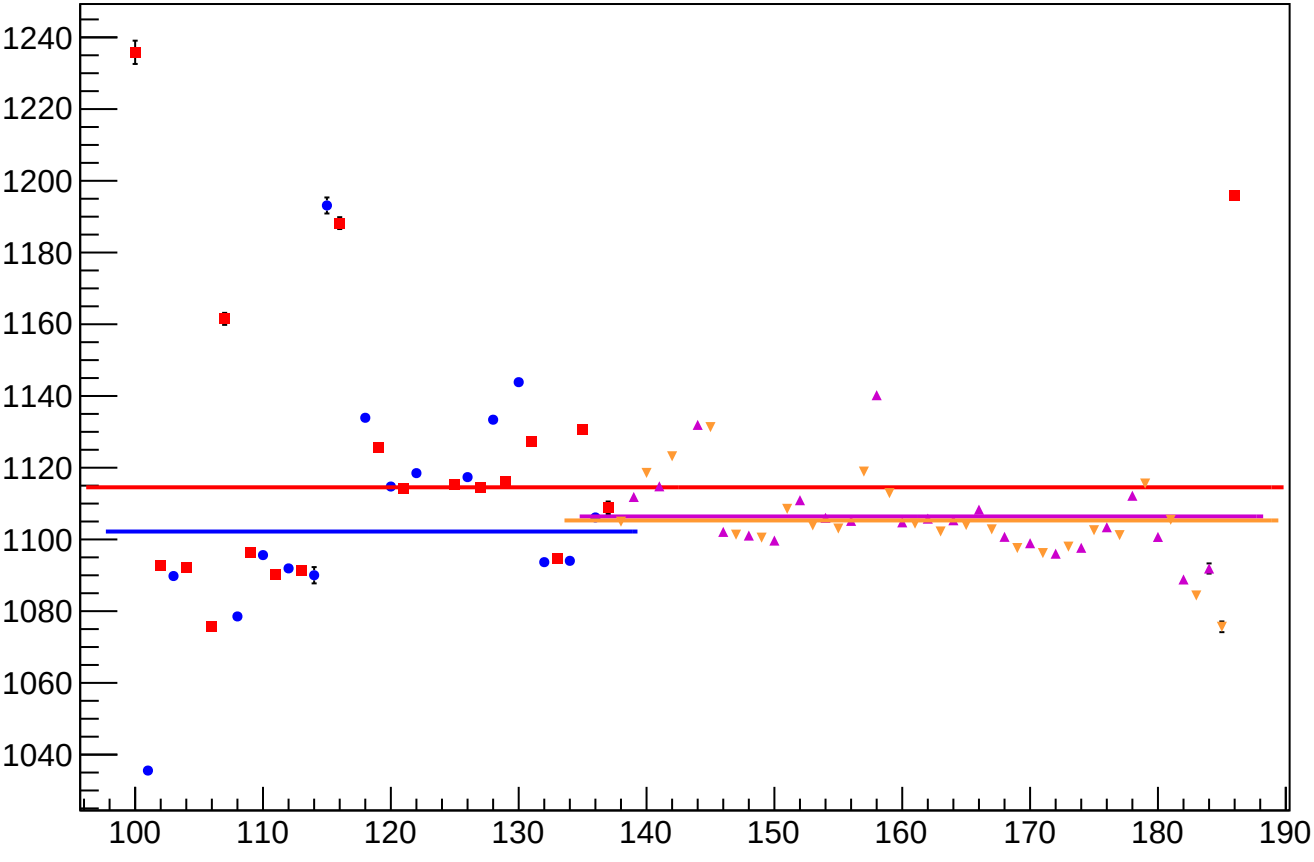
Right: 1940.264+/-286.033 χ^2/NDF: 18.1/34

In: 1884.288+/-218.497 χ^2/NDF:29.4/38

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

All: 1791.374+/-153.571 χ^2/NDF: 58.7/81

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

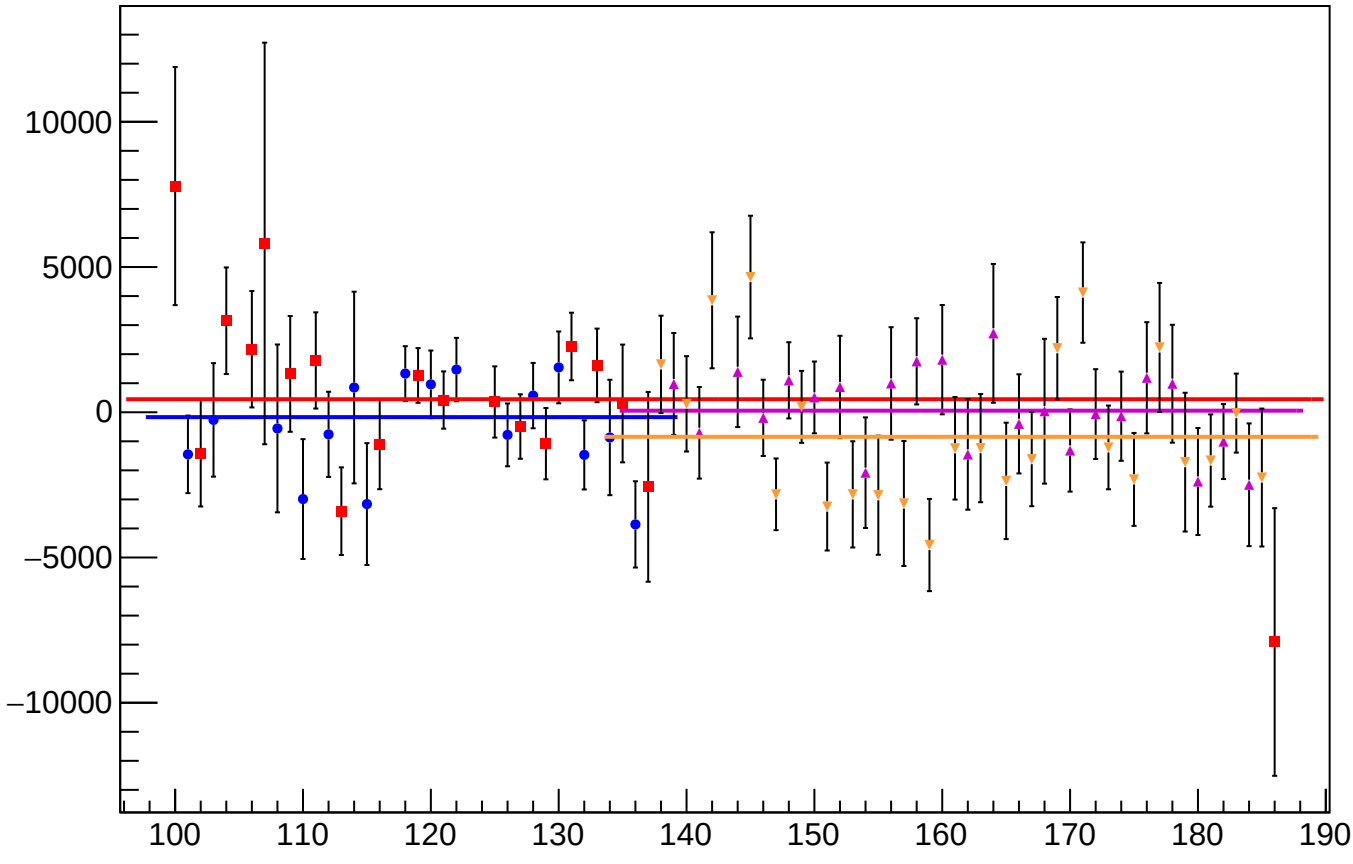
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.521+/-0.202 χ^2/NDF: 23993.8/34

In: 1105.210+/-0.155 χ^2/NDF:15275.8/38

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

All: 1106.617+/-0.109 χ^2/NDF: 31075.2/81



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

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

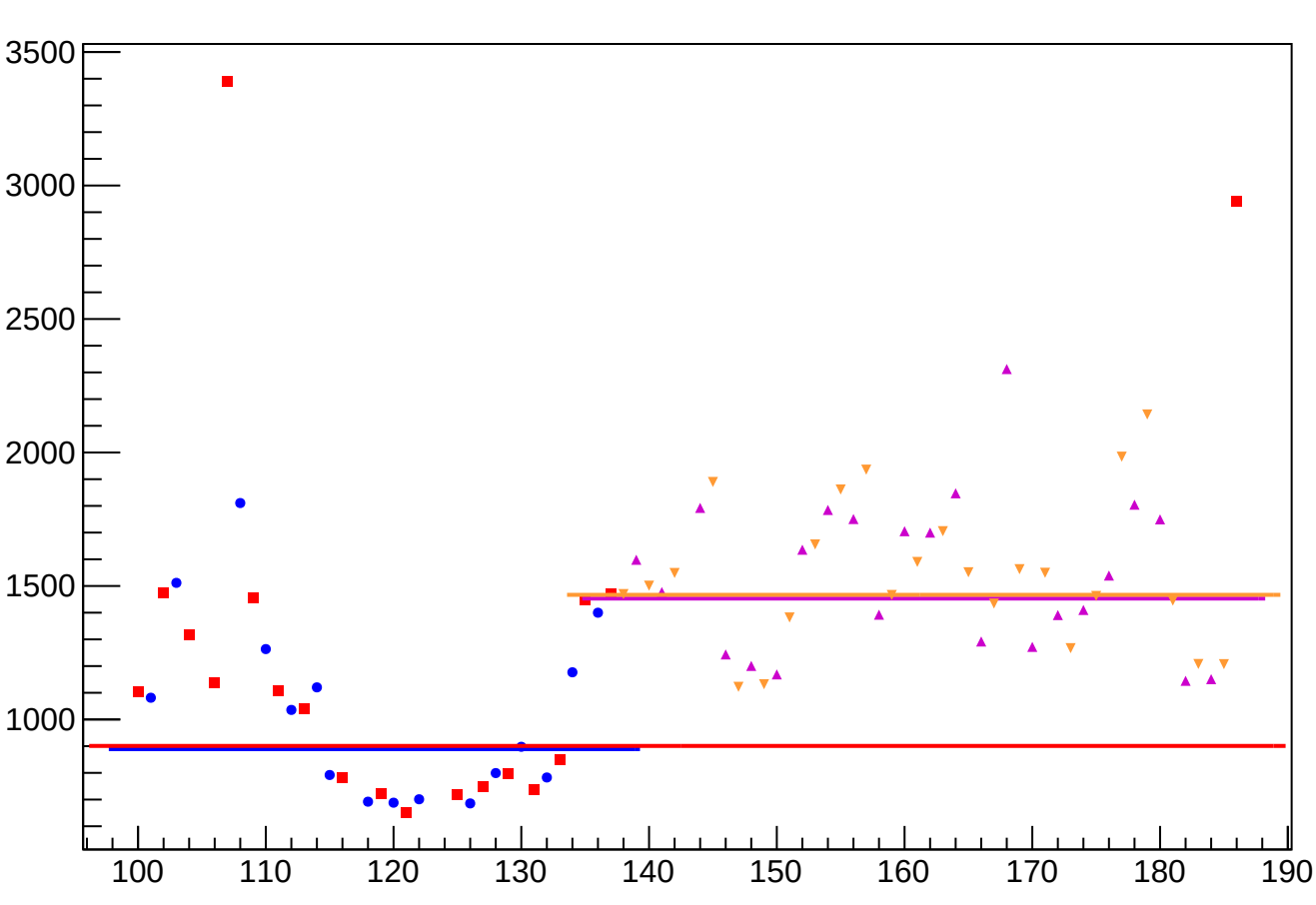
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 141.404+/-243.785 χ^2/NDF: 49.2/34

In: -56.939+/-244.448 χ^2/NDF:34.3/38

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

All: -124.515+/-172.852 χ^2/NDF: 112.2/81



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

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

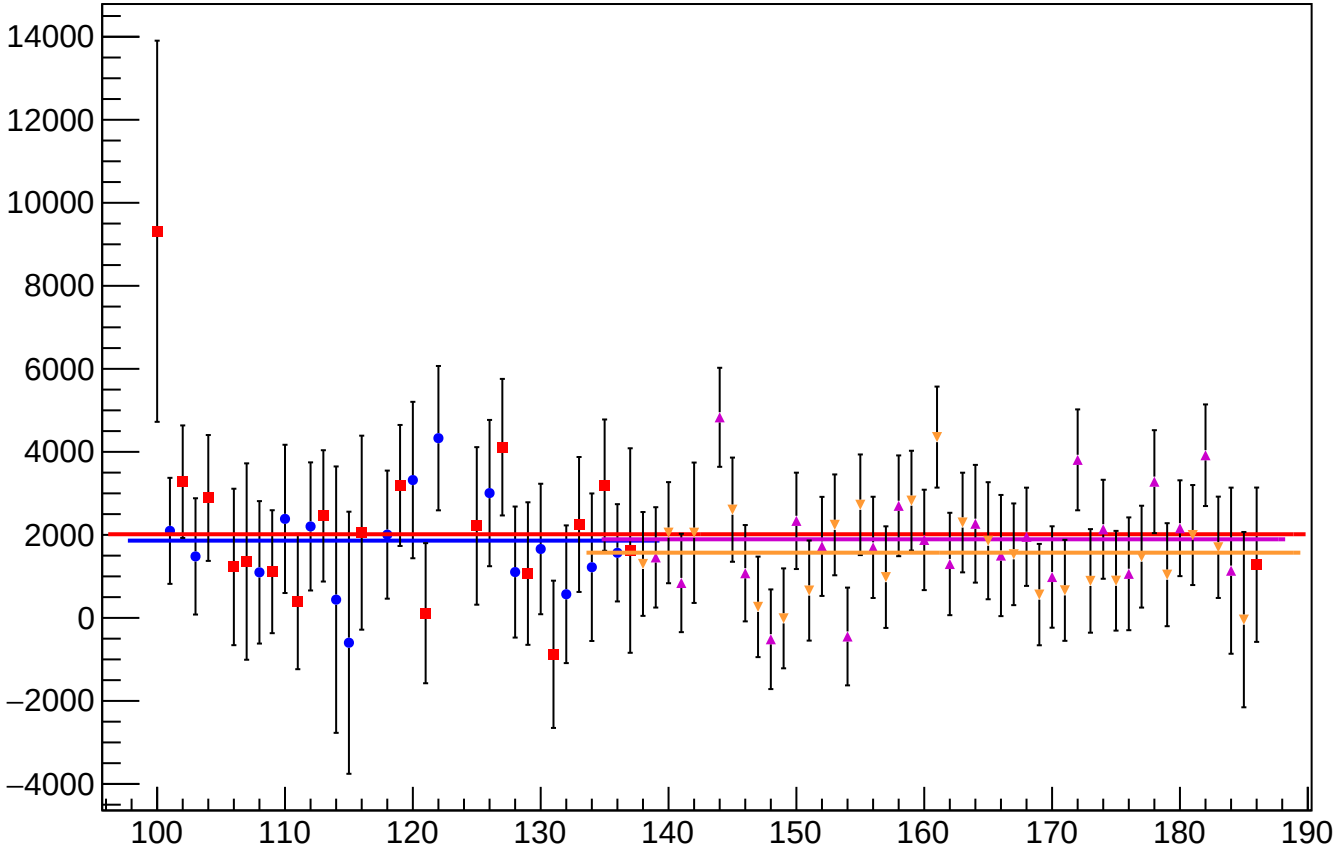
Right: 894.959+/-0.172 χ^2/NDF: 2873527.7/34

In: 1170.544+/-0.173 χ^2/NDF:4924261.6/38

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

All: 1175.880+/-0.122 χ^2/NDF: 10388645.8/8

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

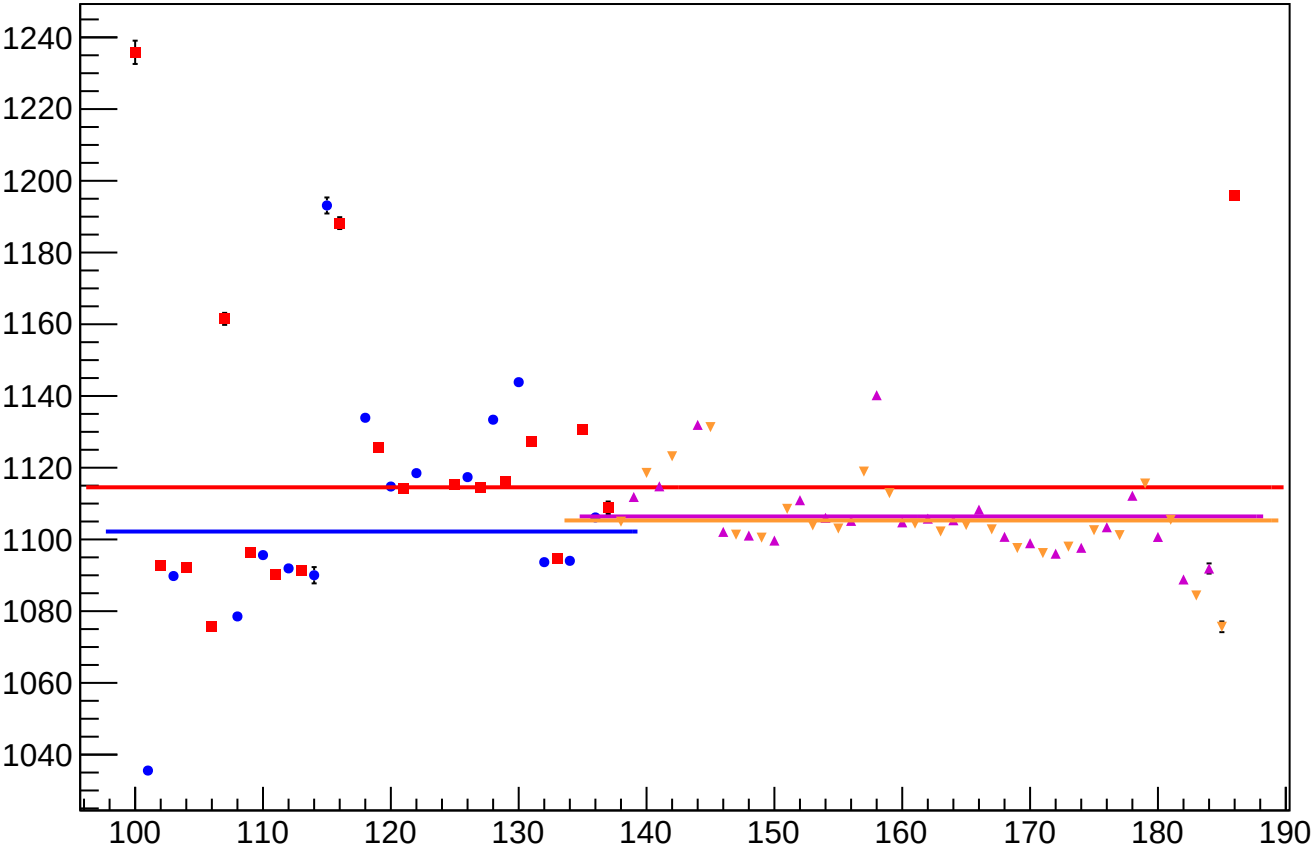
Right: 1940.264+/-286.033 χ^2/NDF: 18.1/34

In: 1884.288+/-218.497 χ^2/NDF:29.4/38

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

All: 1791.374+/-153.571 χ^2/NDF: 58.7/81

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

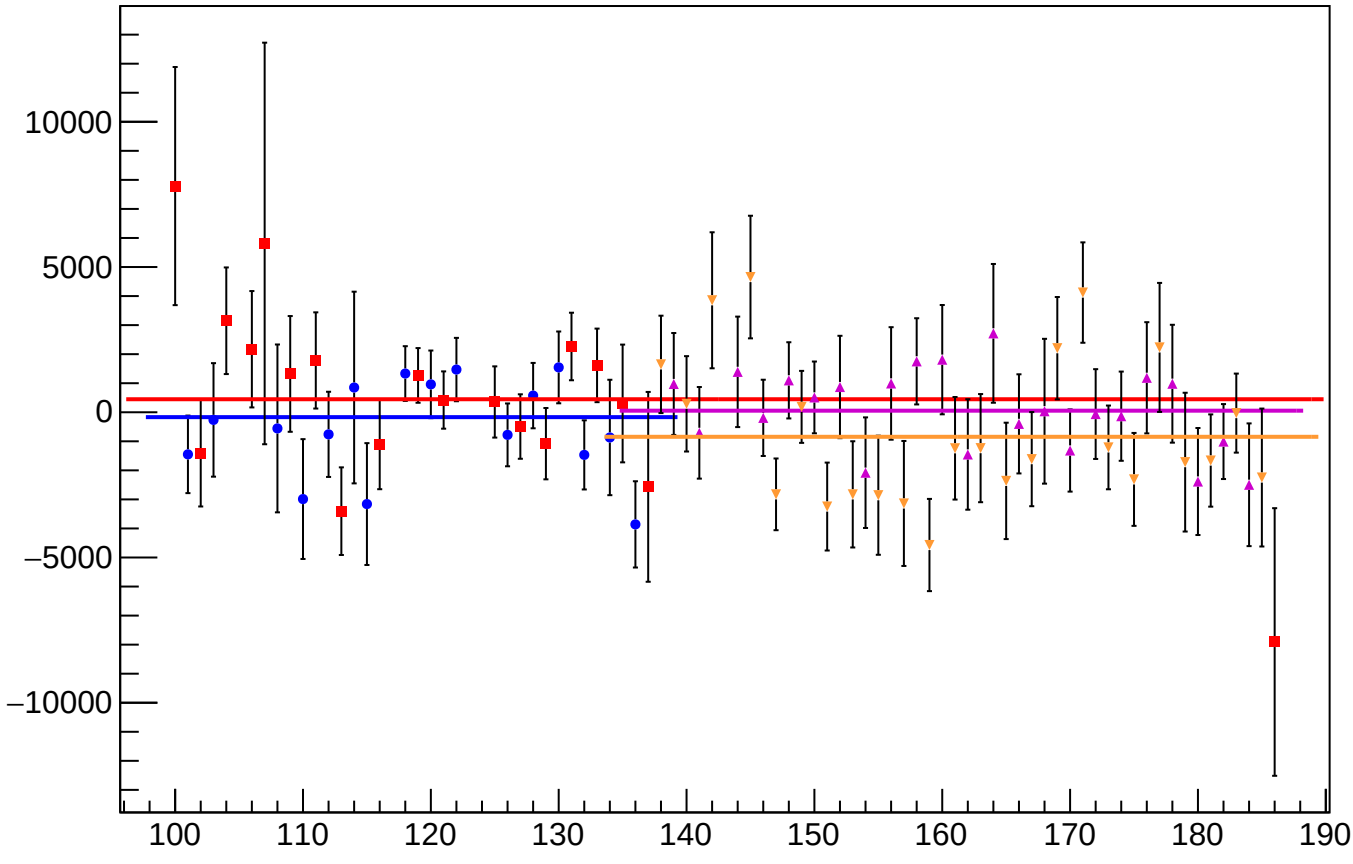
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.521+/-0.202 χ^2/NDF: 23993.8/34

In: 1105.210+/-0.155 χ^2/NDF:15275.8/38

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

All: 1106.617+/-0.109 χ^2/NDF: 31075.2/81



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

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

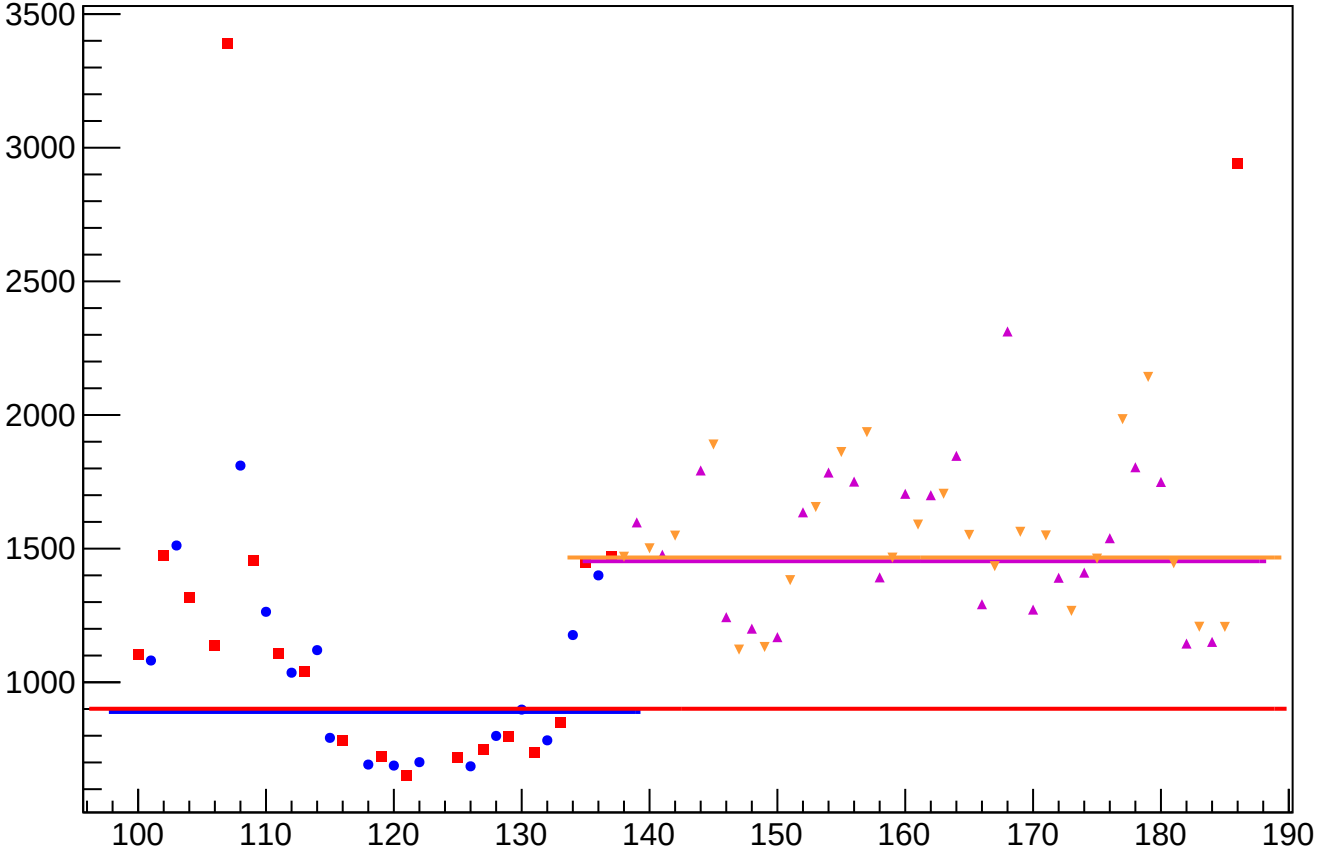
Right: 141.404+/-243.785 χ^2/NDF: 49.2/34

In: -56.939+/-244.448 χ^2/NDF:34.3/38

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

All: -124.515+/-172.852 χ^2/NDF: 112.2/81

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

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

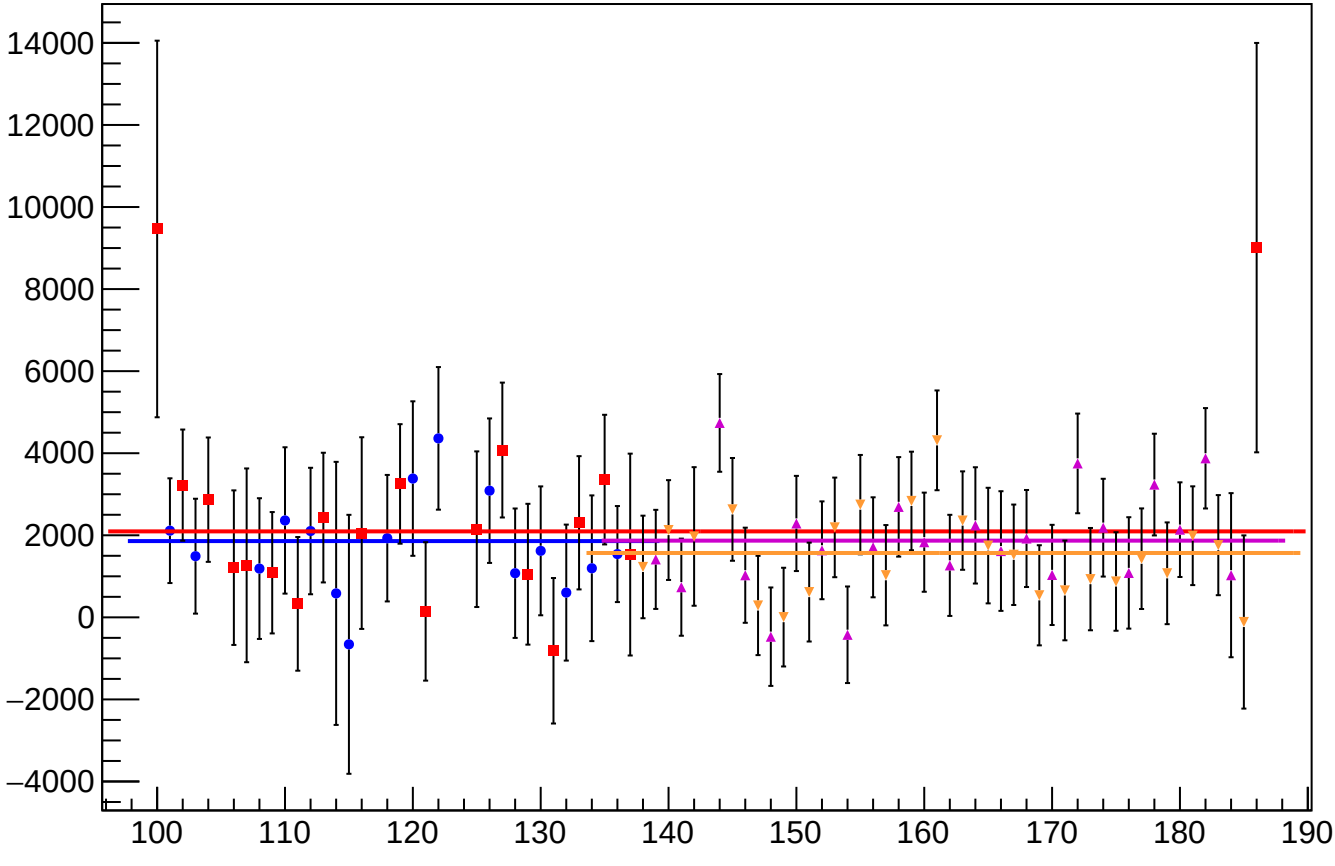
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 894.959+/-0.172 χ^2/NDF: 2873527.7/34

In: 1170.544+/-0.173 χ^2/NDF:4924261.6/38

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

All: 1175.880+/-0.122 χ^2/NDF: 10388645.8/8



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

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

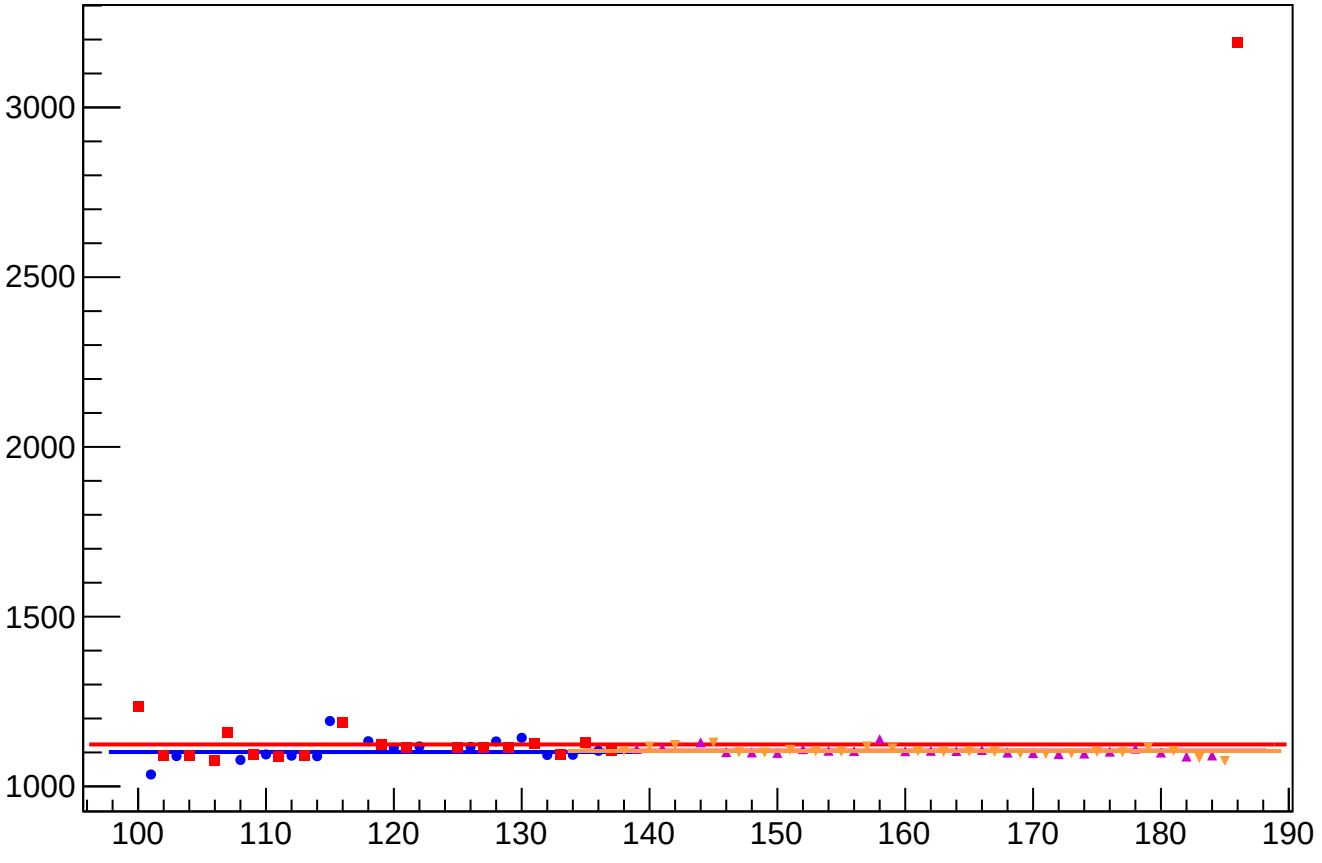
Right: 1977.383+/-288.744 χ^2/NDF: 20.3/34

In: 1866.308+/-218.298 χ^2/NDF:28.8/38

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

All: 1791.678+/-153.883 χ^2/NDF: 60.3/81

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

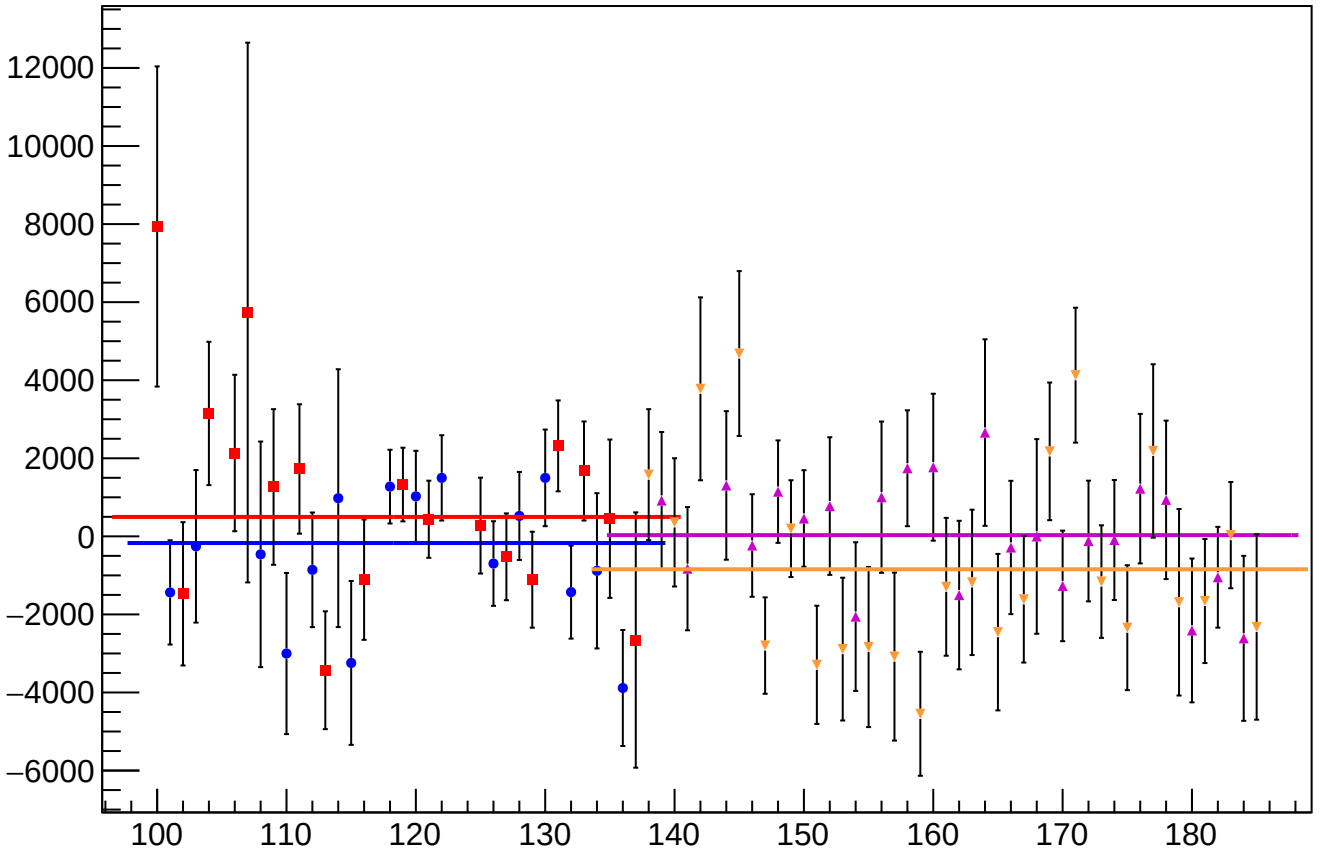
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1112.429+/-0.204 χ^2/NDF: 367515.9/34

In: 1104.206+/-0.154 χ^2/NDF:15114.8/38

Out: 1109.715+/-0.153 χ^2/NDF:359435.0/42

All: 1106.978+/-0.109 χ^2/NDF: 375190.7/81



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

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

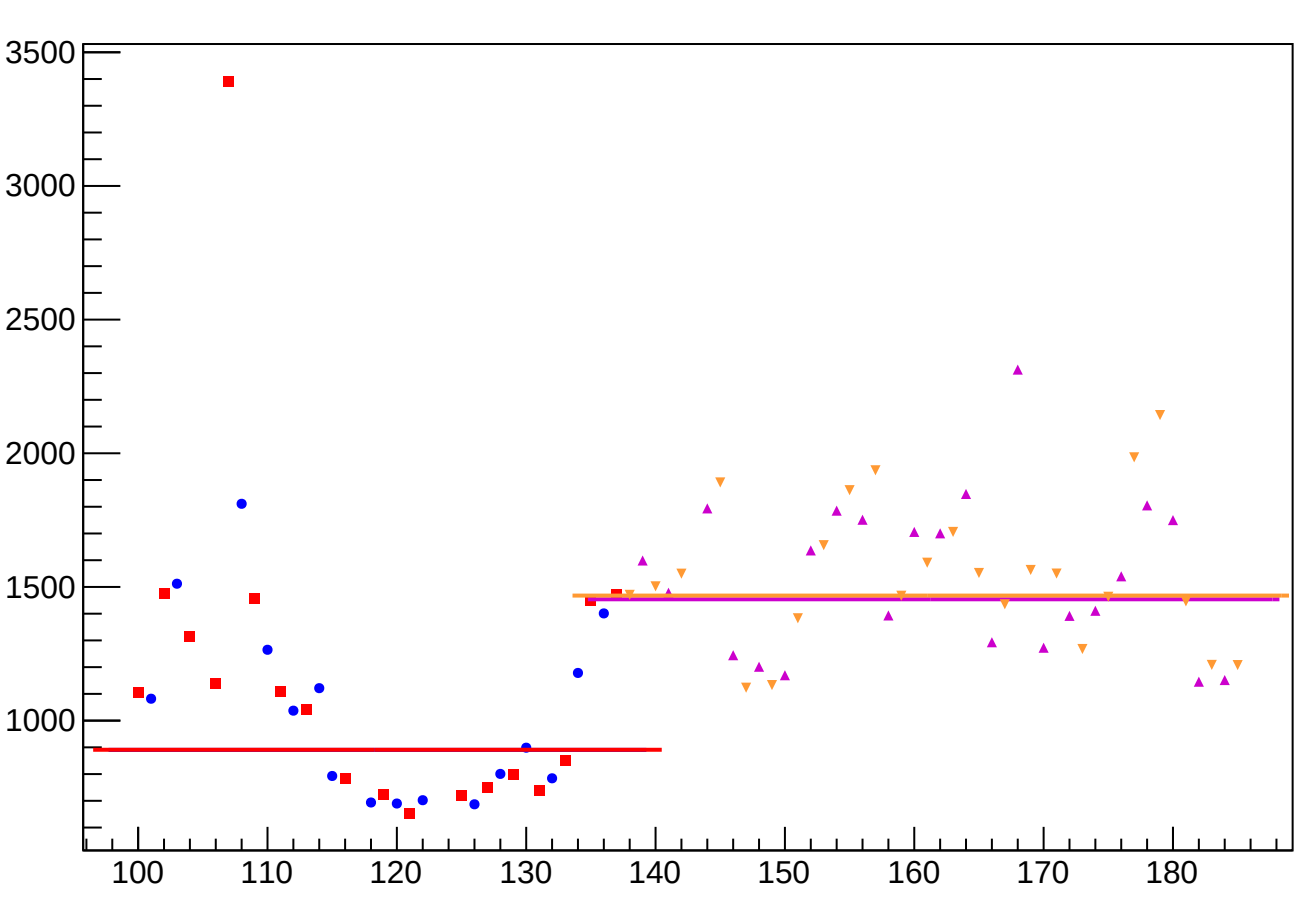
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

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

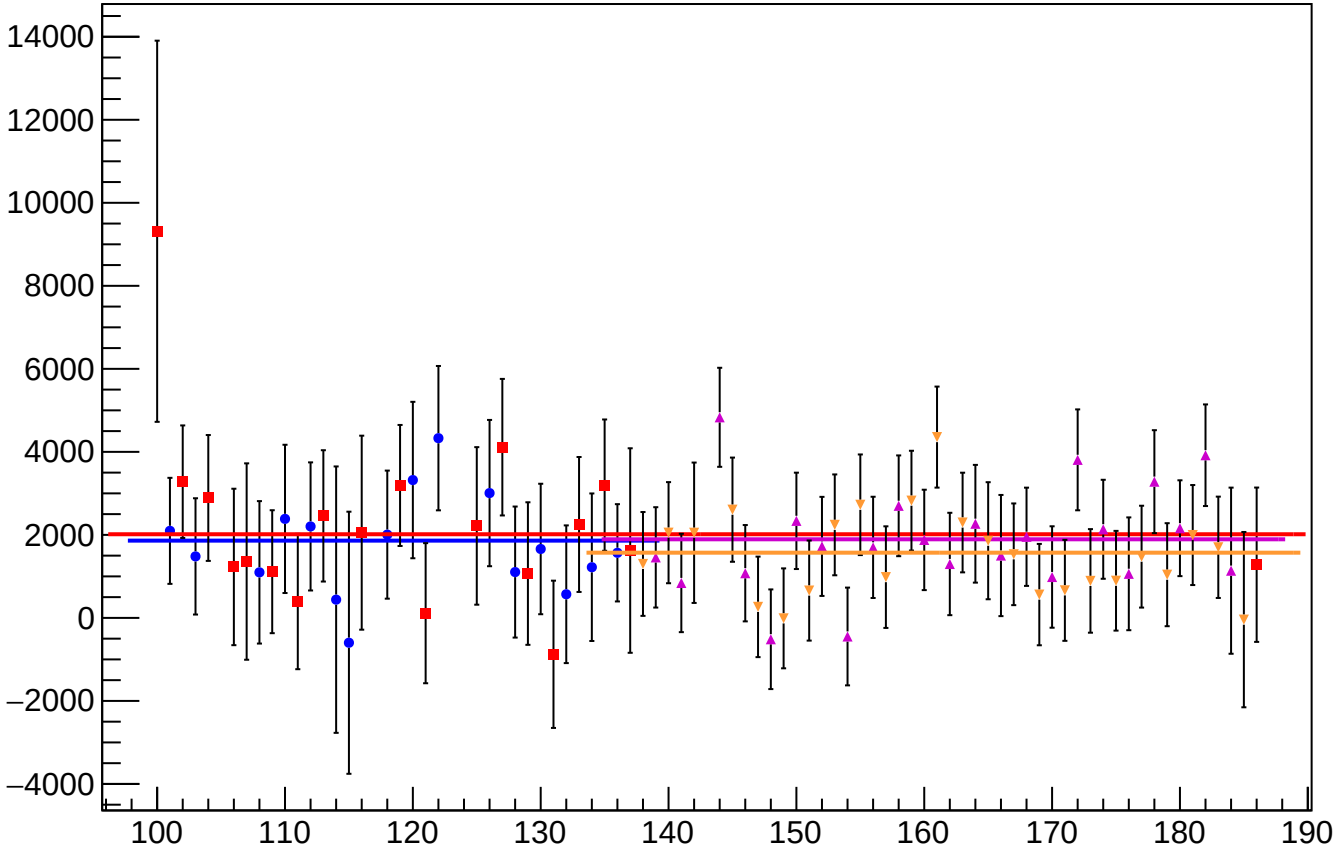
In: -69.822+/-244.707 χ^2/NDF:34.1/38

Out: -168.844+/-245.046 χ^2/NDF:75.5/41

All: -119.264+/-173.154 χ^2/NDF: 109.7/80


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
Right In: 890.495+/-0.245 χ²/NDF: 1128739.3/15
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: 890.717+/-0.173 χ²/NDF: 2470545.1/33
In: 1172.022+/-0.173 χ²/NDF:4906565.8/38
Out: 1177.676+/-0.173 χ²/NDF:5153483.4/41
All: 1174.845+/-0.122 χ²/NDF: 10060582.3/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

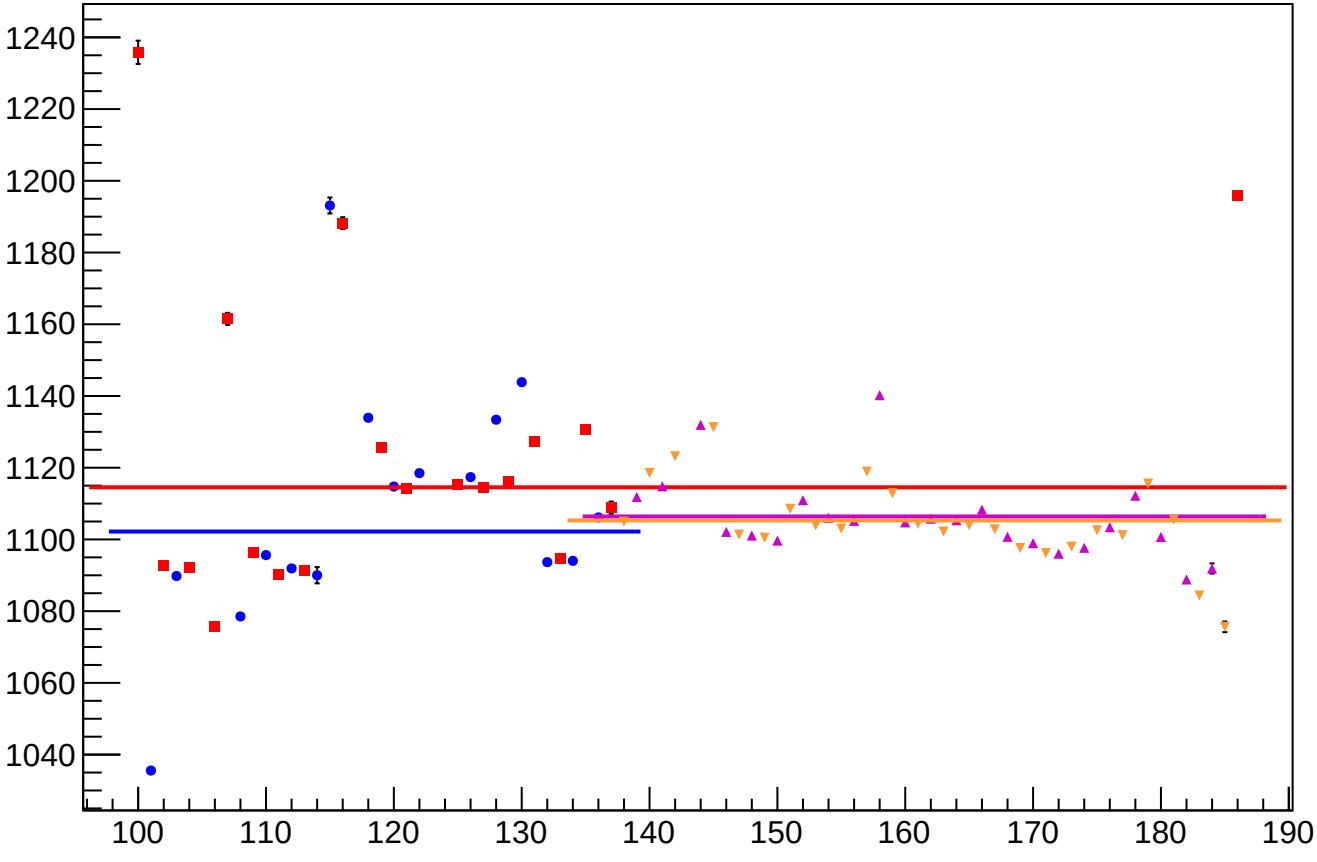
Right: 1940.264+/-286.033 χ^2/NDF: 18.1/34

In: 1884.288+/-218.497 χ^2/NDF:29.4/38

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

All: 1791.374+/-153.571 χ^2/NDF: 58.7/81

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

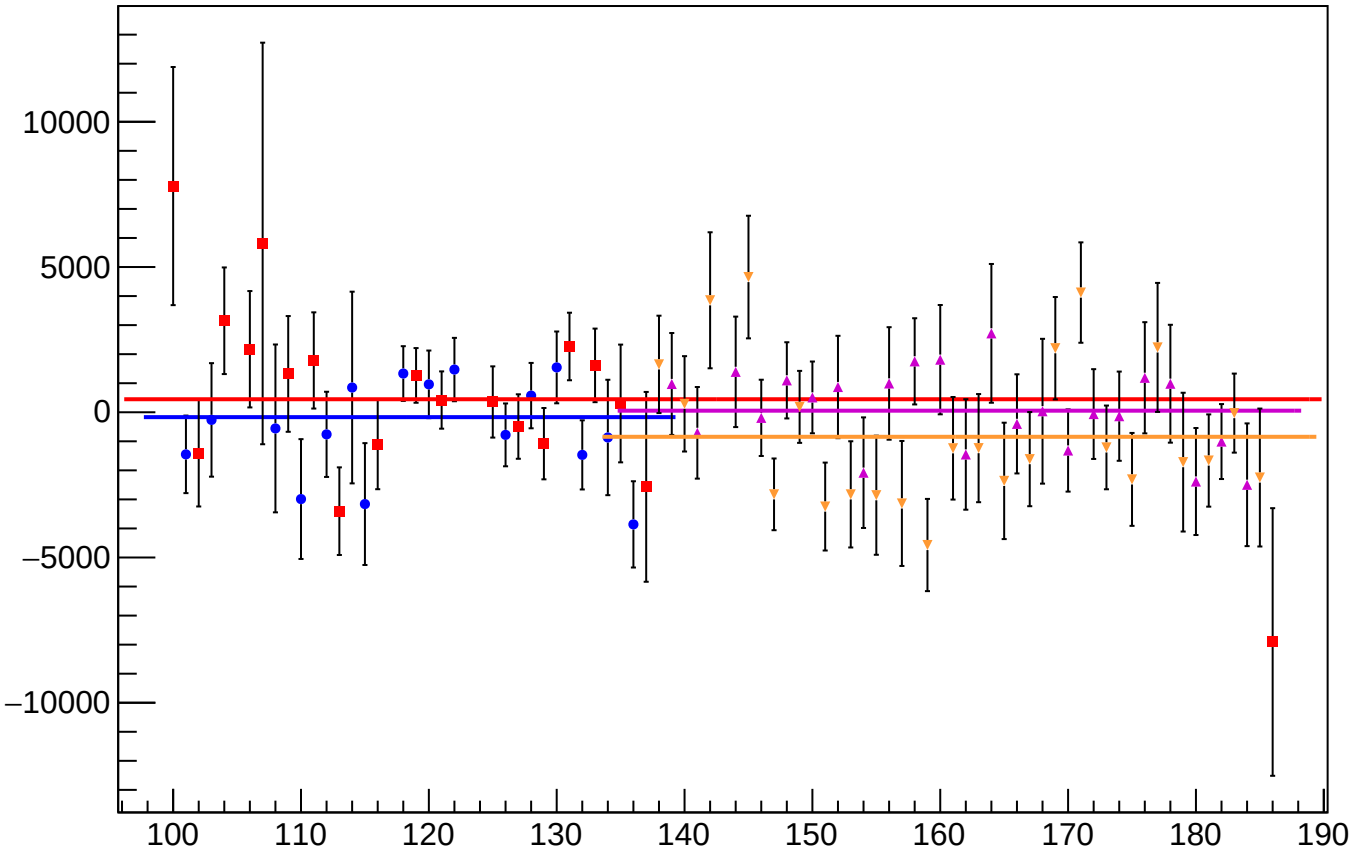
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.521+/-0.202 χ^2/NDF: 23993.8/34

In: 1105.210+/-0.155 χ^2/NDF:15275.8/38

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

All: 1106.617+/-0.109 χ^2/NDF: 31075.2/81



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

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

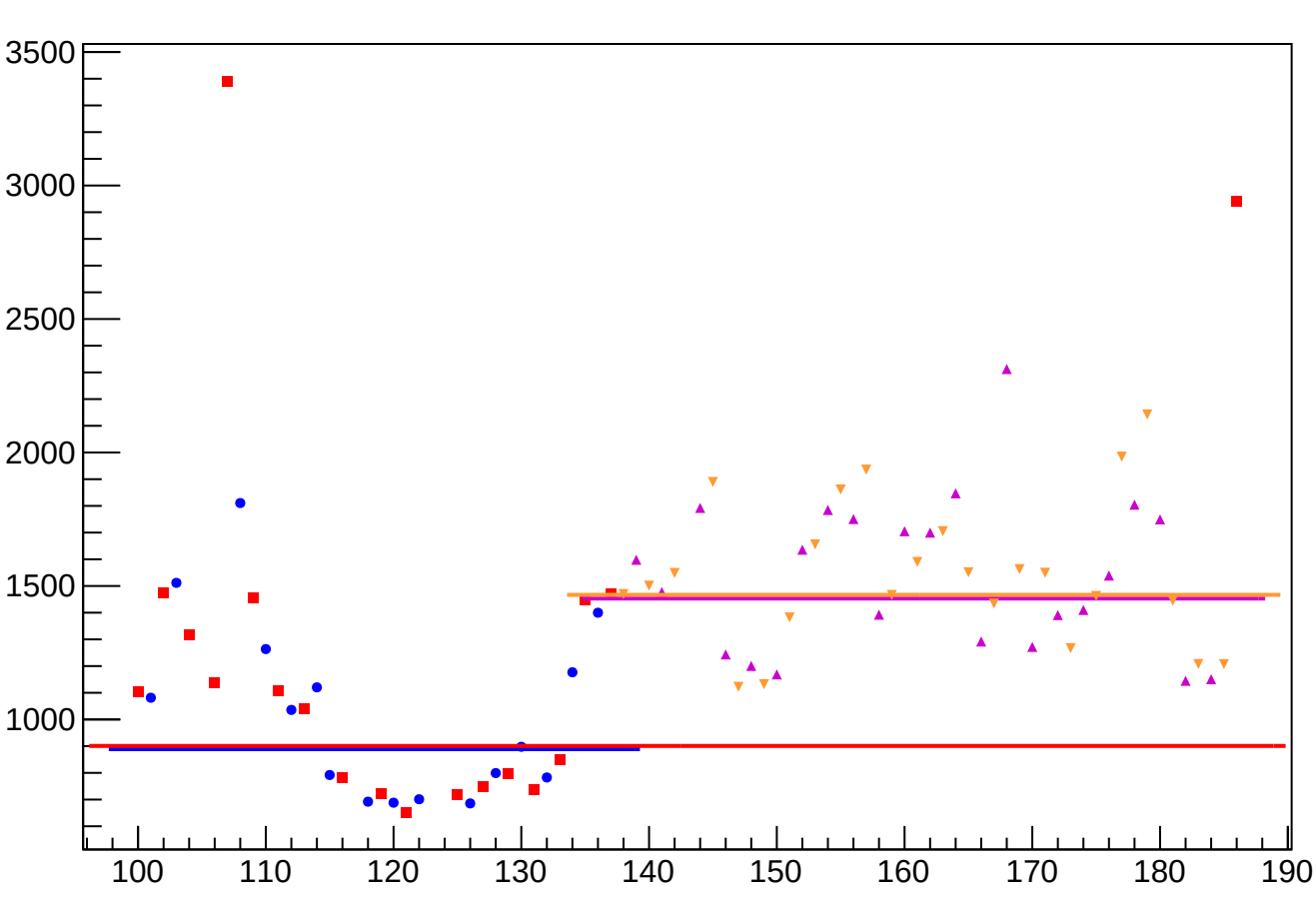
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 141.404+/-243.785 χ^2/NDF: 49.2/34

In: -56.939+/-244.448 χ^2/NDF:34.3/38

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

All: -124.515+/-172.852 χ^2/NDF: 112.2/81



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

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

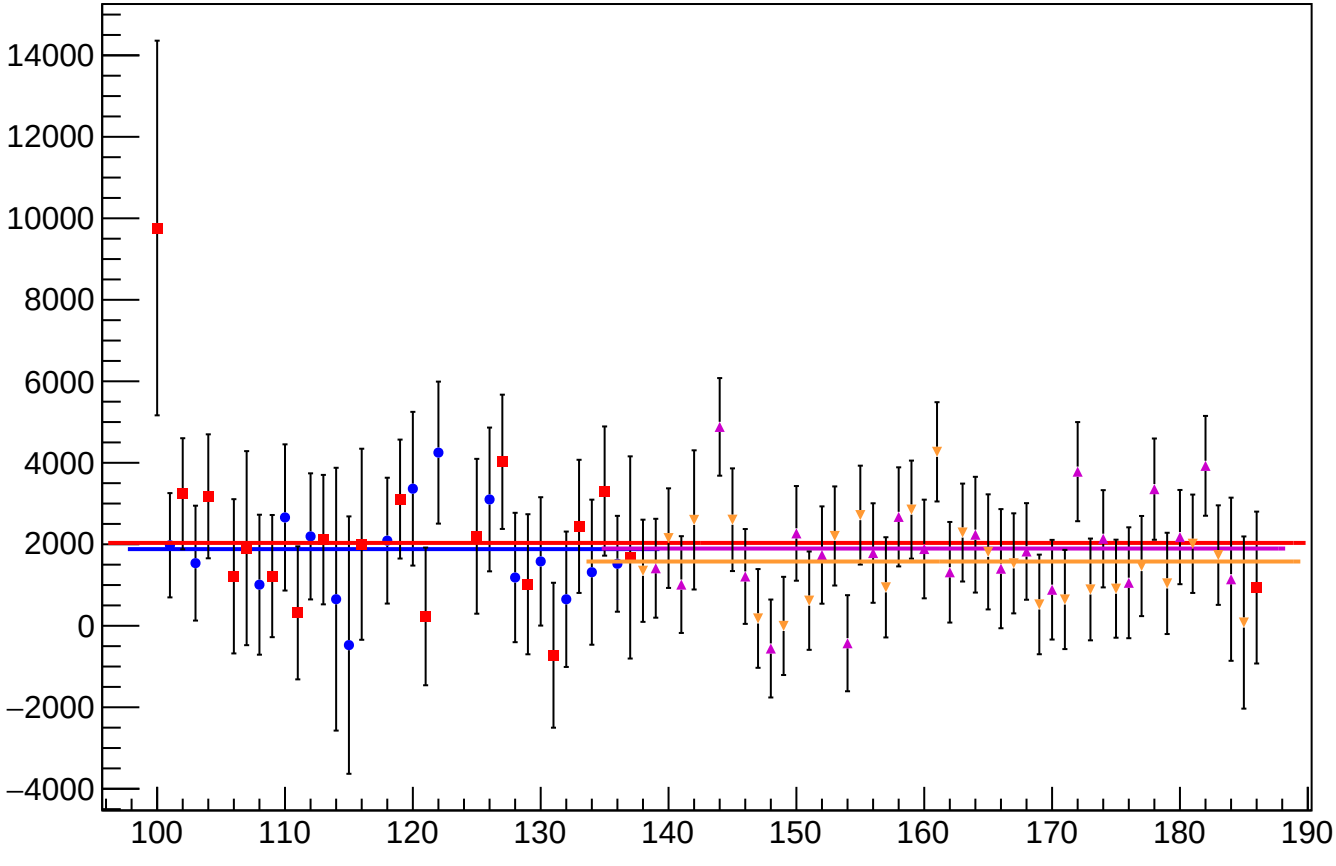
Right: 894.959+/-0.172 χ^2/NDF: 2873527.7/34

In: 1170.544+/-0.173 χ^2/NDF:4924261.6/38

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

All: 1175.880+/-0.122 χ^2/NDF: 10388645.8/8

dit_asym_usl_mean vs Slug, Sign Corrected



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

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

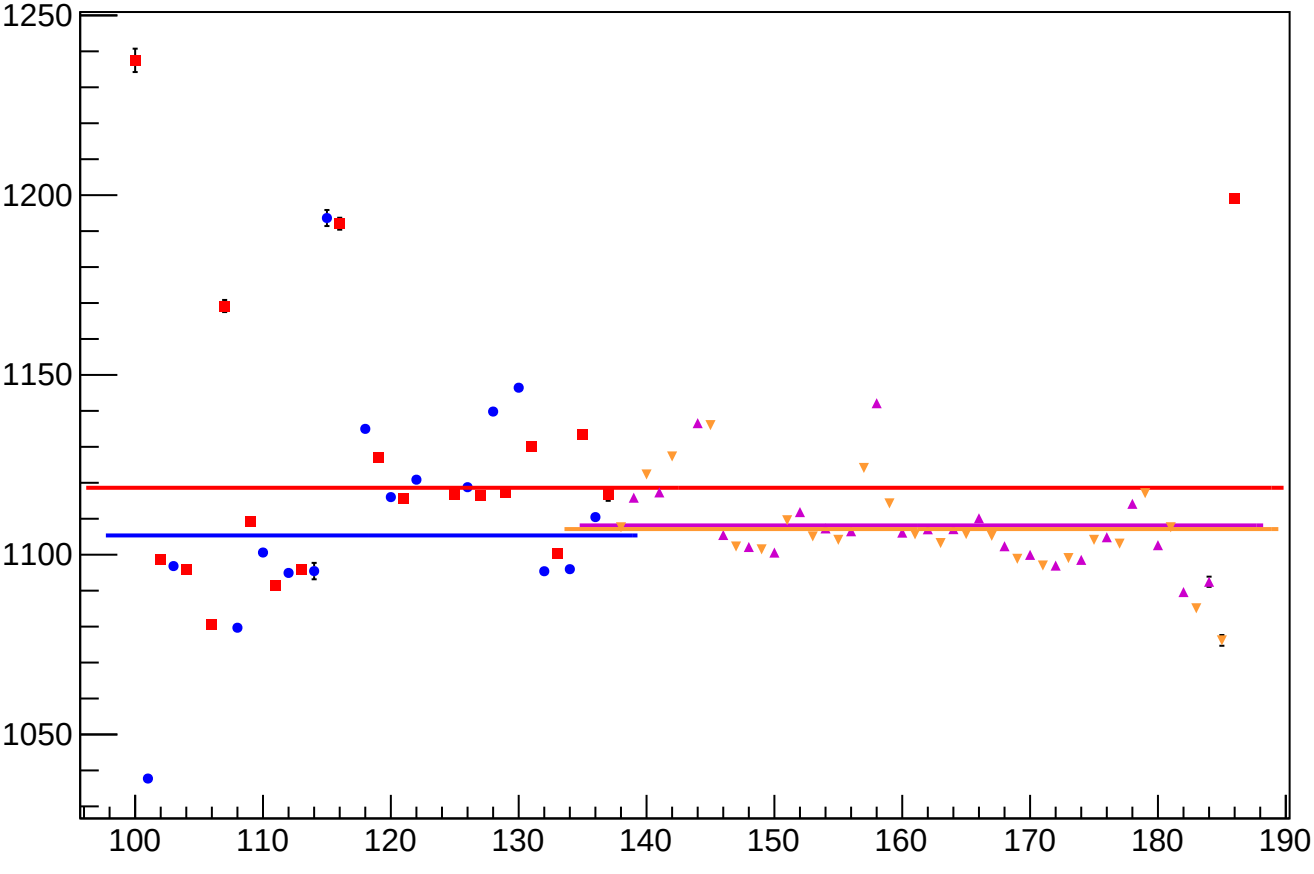
Right: 1959.388+/-286.976 χ^2/NDF: 18.0/34

In: 1891.563+/-218.924 χ^2/NDF:29.3/38

Out: 1710.177+/-216.402 χ^2/NDF:29.2/42

All: 1799.819+/-153.903 χ^2/NDF: 58.8/81

dit_asym_usl_rms vs Slug, Sign Corrected



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

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

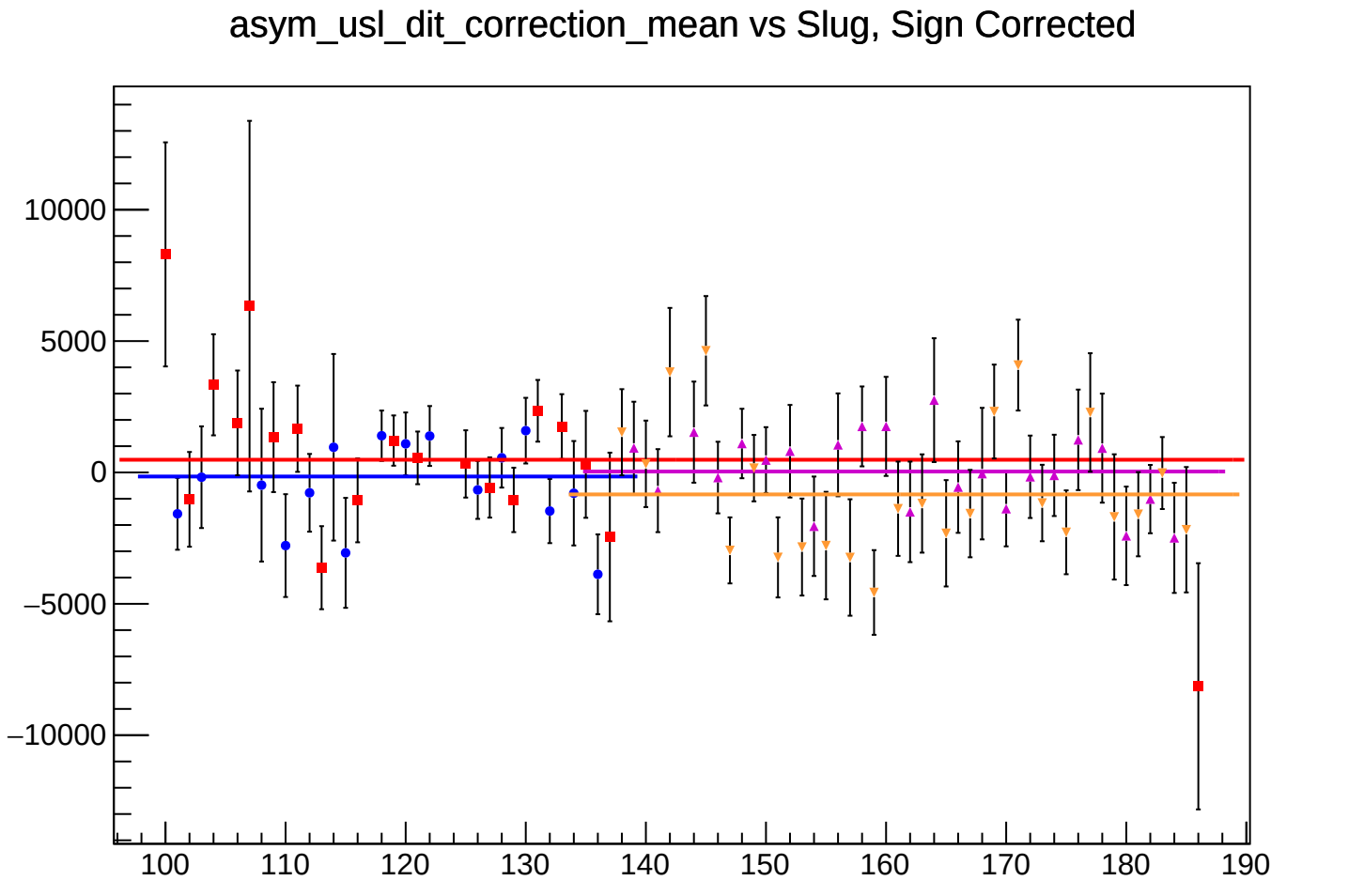
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1112.139+/-0.203 χ^2/NDF: 23633.5/34

In: 1107.353+/-0.155 χ^2/NDF:15587.5/38

Out: 1110.469+/-0.153 χ^2/NDF:16182.3/42

All: 1108.929+/-0.109 χ^2/NDF: 31974.8/81



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

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

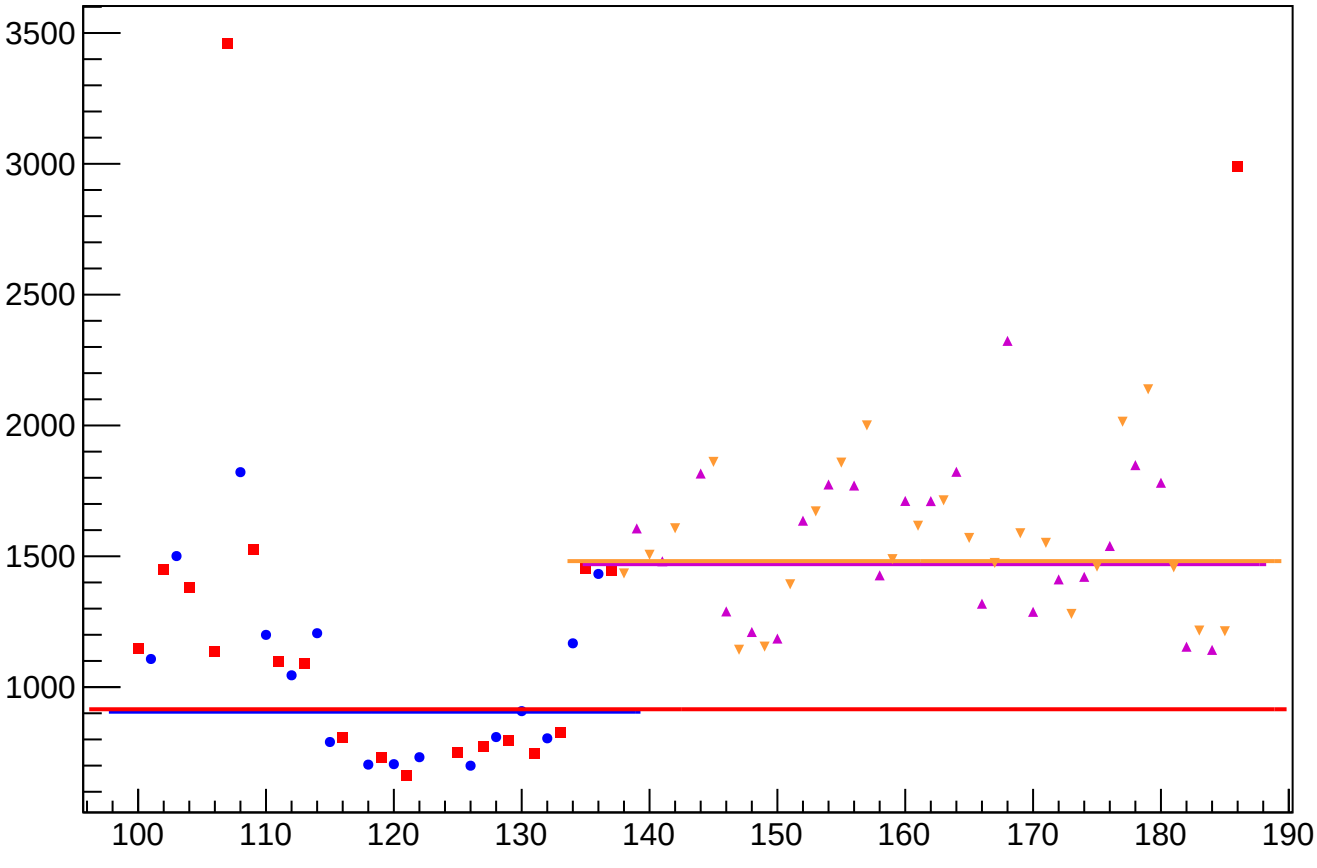
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: 166.677+/-247.749 χ^2/NDF: 48.7/34

In: -58.787+/-247.822 χ^2/NDF:33.7/38

Out: -173.453+/-247.503 χ^2/NDF:77.3/42

All: -116.194+/-175.124 χ^2/NDF: 111.2/81



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

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

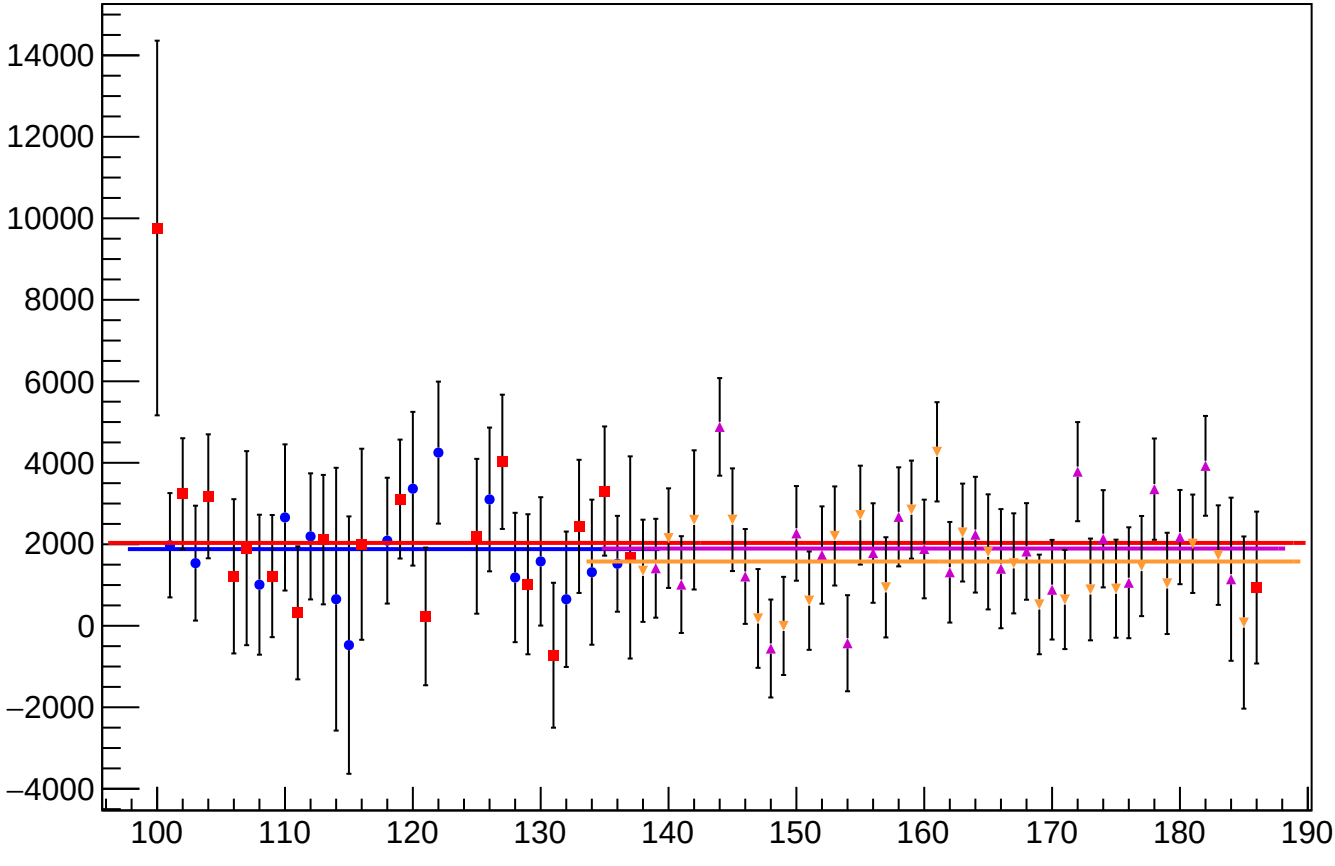
Right: 910.722+/-0.175 χ^2/NDF: 2814508.4/34

In: 1189.324+/-0.175 χ^2/NDF:4762935.7/38

Out: 1197.493+/-0.175 χ^2/NDF:5368336.4/42

All: 1193.414+/-0.124 χ^2/NDF: 10132360.1/8

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

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

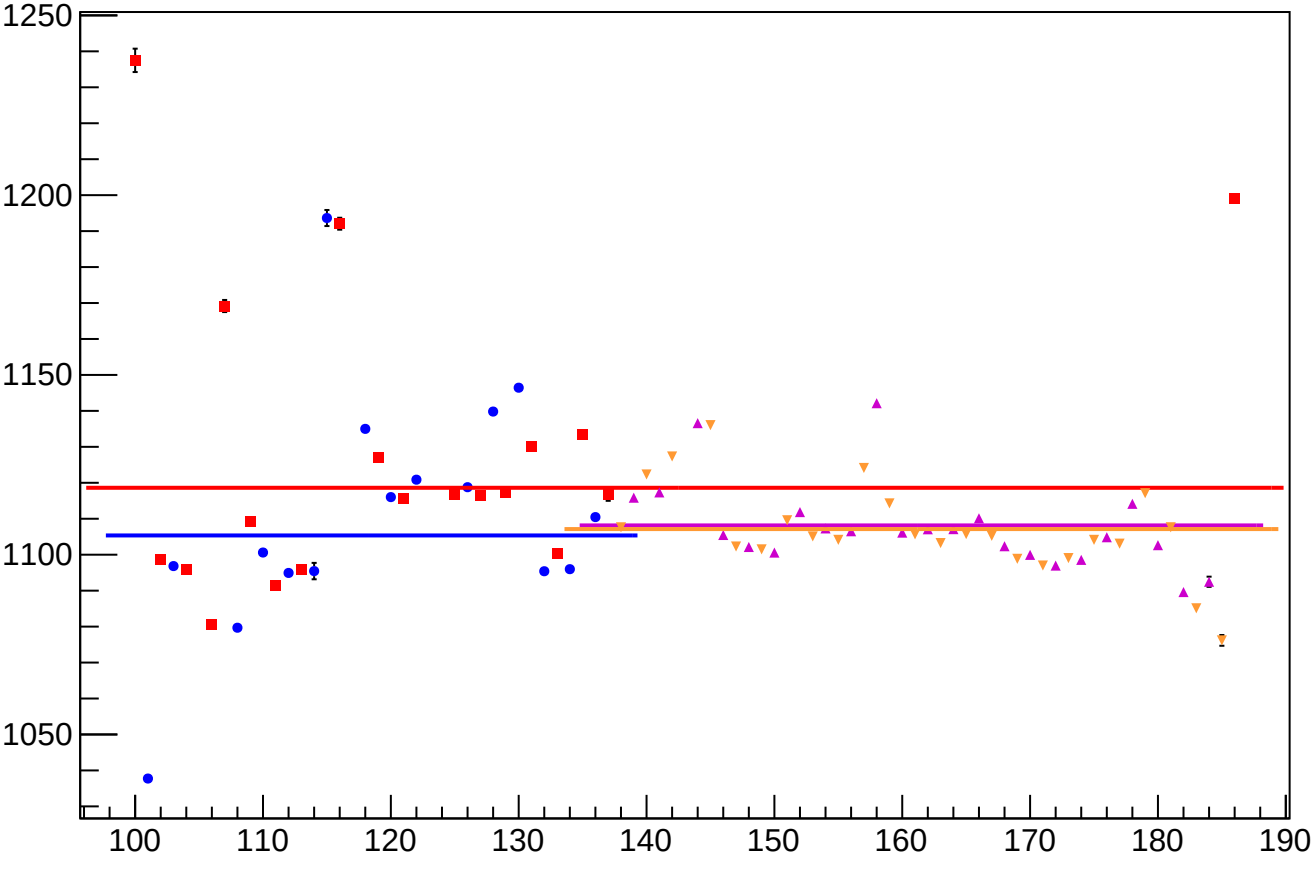
Right: 1959.386+/-286.976 χ^2/NDF: 18.0/34

In: 1891.564+/-218.924 χ^2/NDF:29.3/38

Out: 1710.174+/-216.402 χ^2/NDF:29.2/42

All: 1799.818+/-153.903 χ^2/NDF: 58.8/81

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

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

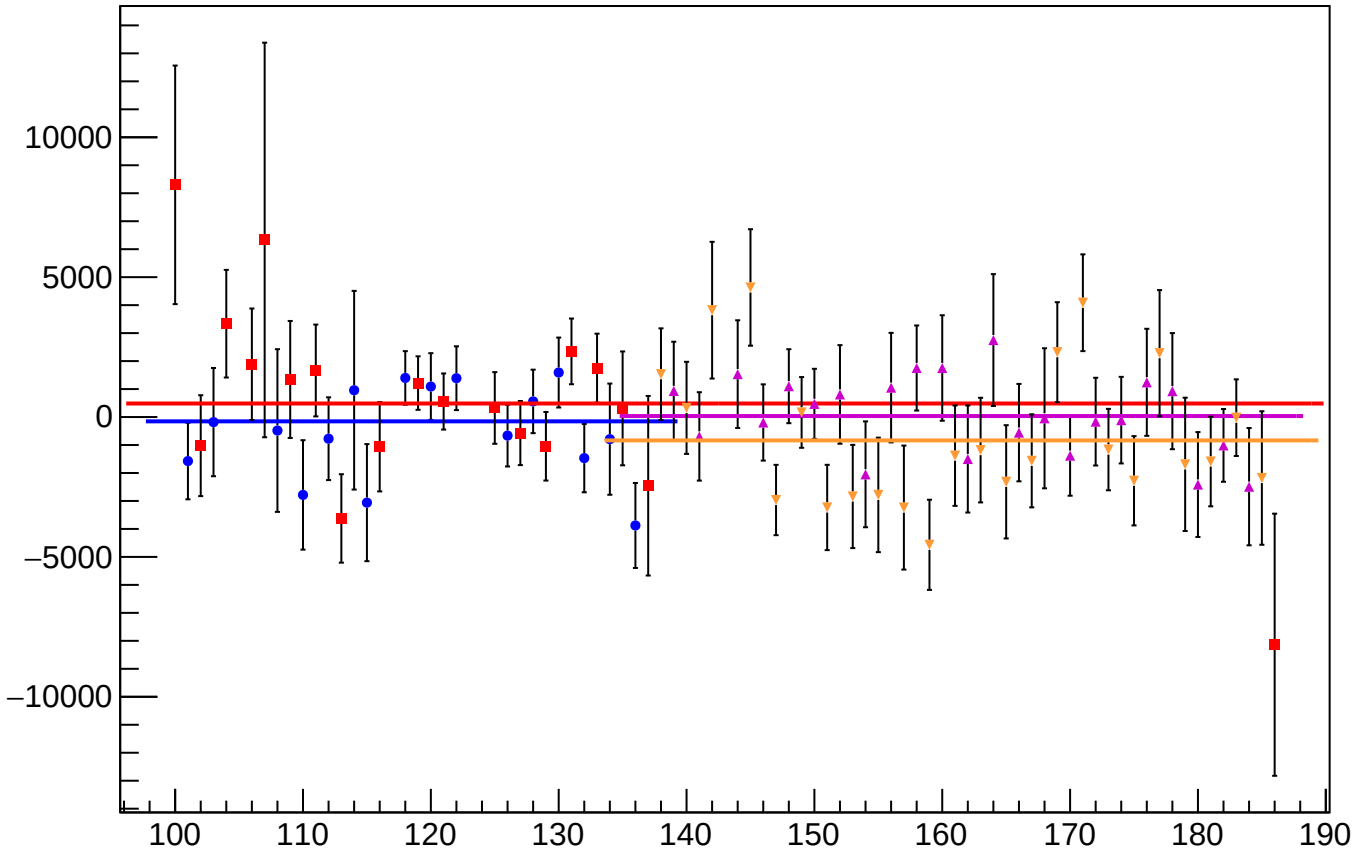
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1112.139+/-0.203 χ^2/NDF: 23633.5/34

In: 1107.353+/-0.155 χ^2/NDF:15587.5/38

Out: 1110.469+/-0.153 χ^2/NDF:16182.3/42

All: 1108.929+/-0.109 χ^2/NDF: 31974.8/81



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

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

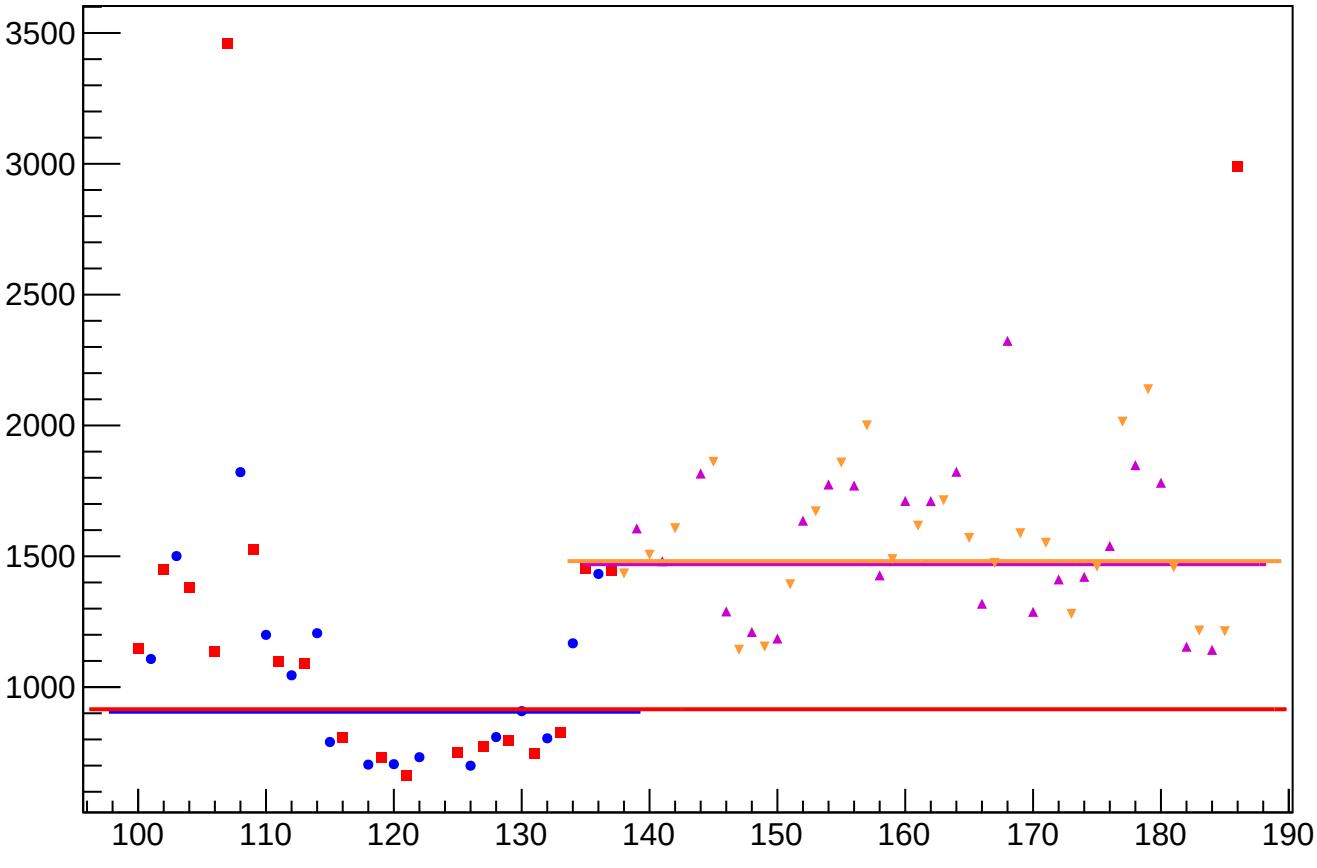
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 166.678+/-247.749 χ^2/NDF: 48.7/34

In: -58.786+/-247.822 χ^2/NDF:33.7/38

Out: -173.453+/-247.502 χ^2/NDF:77.3/42

All: -116.194+/-175.124 χ^2/NDF: 111.2/81



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

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

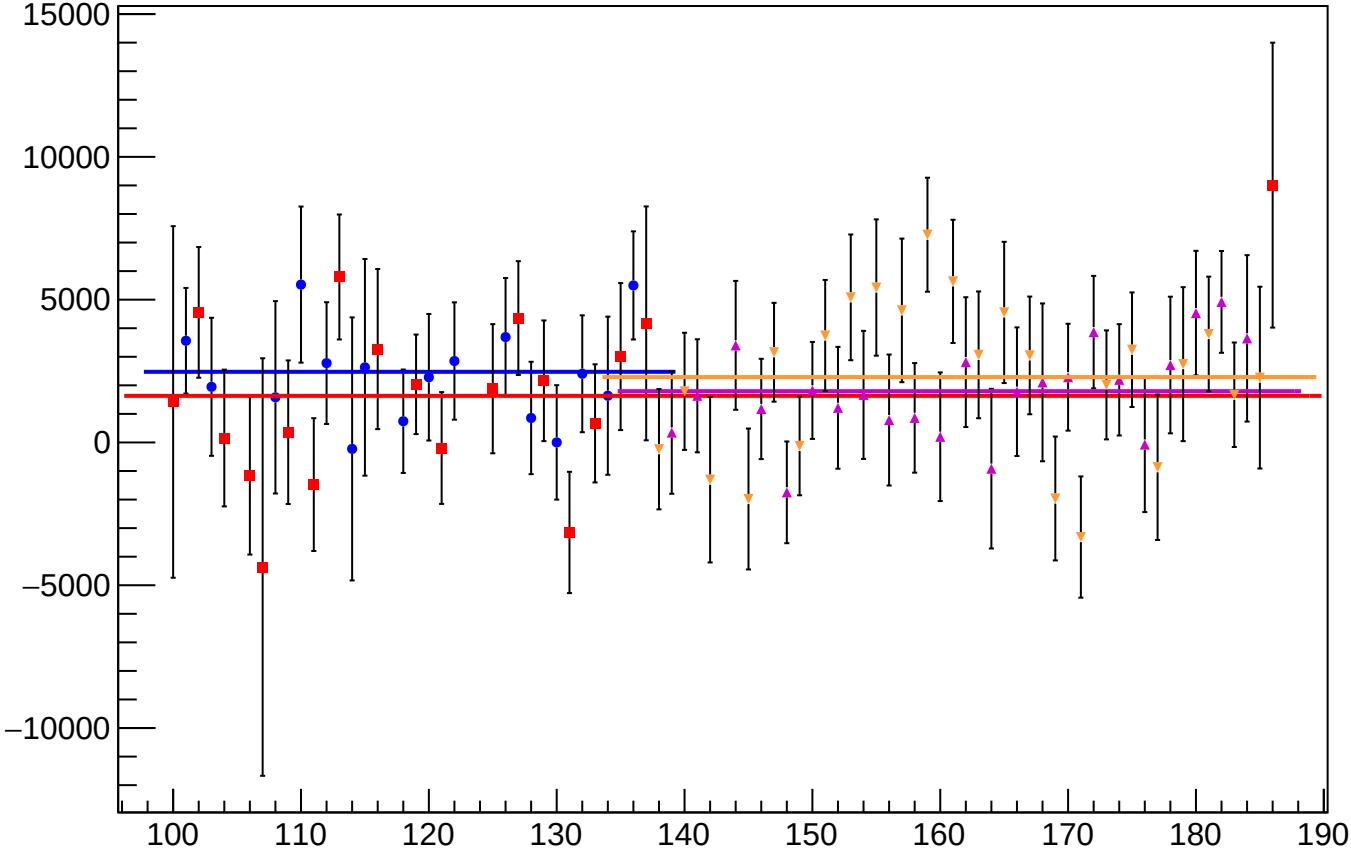
Right: 910.720+/-0.175 χ^2/NDF: 2814517.6/34

In: 1189.323+/-0.175 χ^2/NDF:4762971.3/38

Out: 1197.492+/-0.175 χ^2/NDF:5368374.0/42

All: 1193.413+/-0.124 χ^2/NDF: 10132433.3/8

asym_usl_mean vs Slug, Sign Corrected



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

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

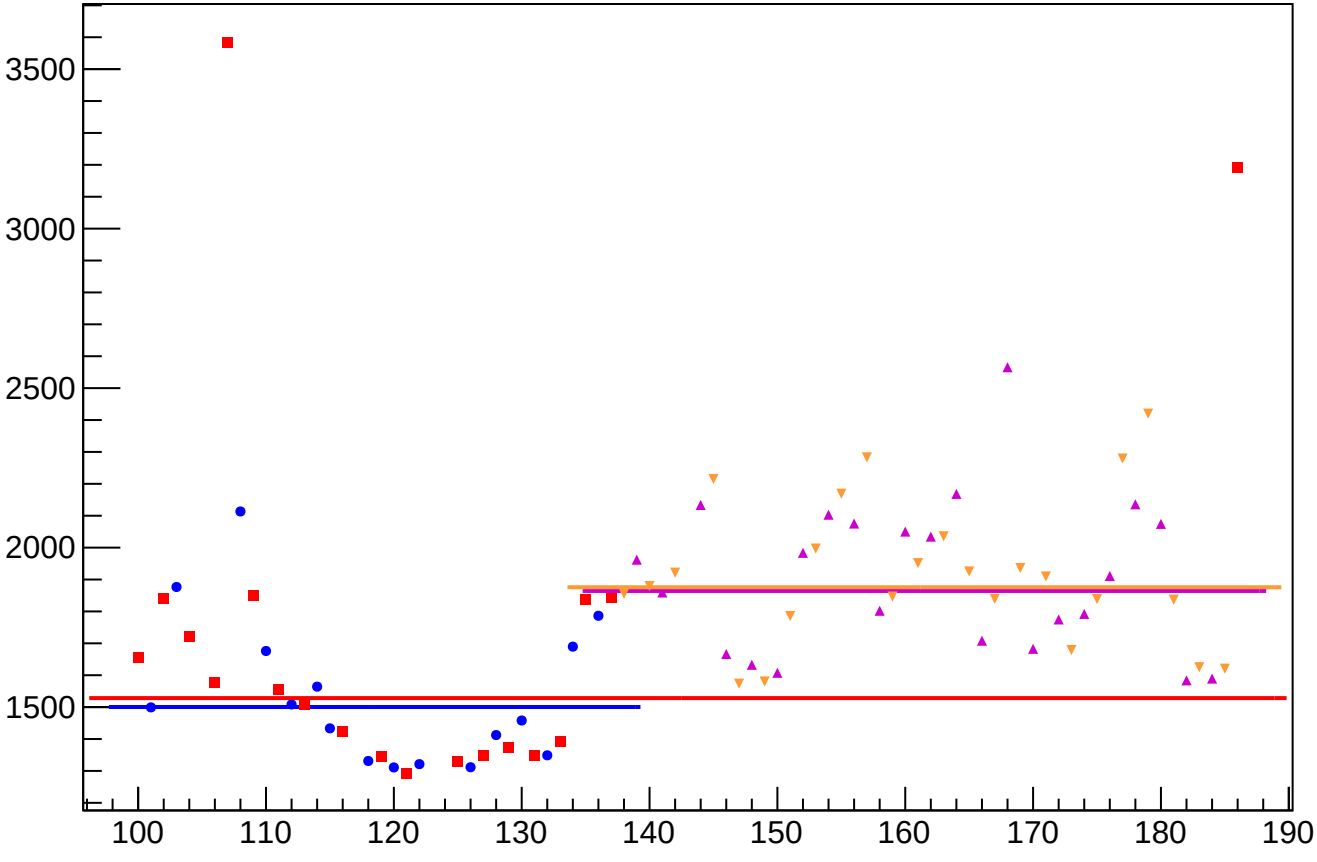
Right: 2050.730+/-396.963 χ^2/NDF: 30.1/34

In: 2052.797+/-346.217 χ^2/NDF:23.4/38

Out: 2038.973+/-345.652 χ^2/NDF:57.6/42

All: 2045.873+/-244.612 χ^2/NDF: 81.0/81

asym_usl_rms vs Slug, Sign Corrected



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

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

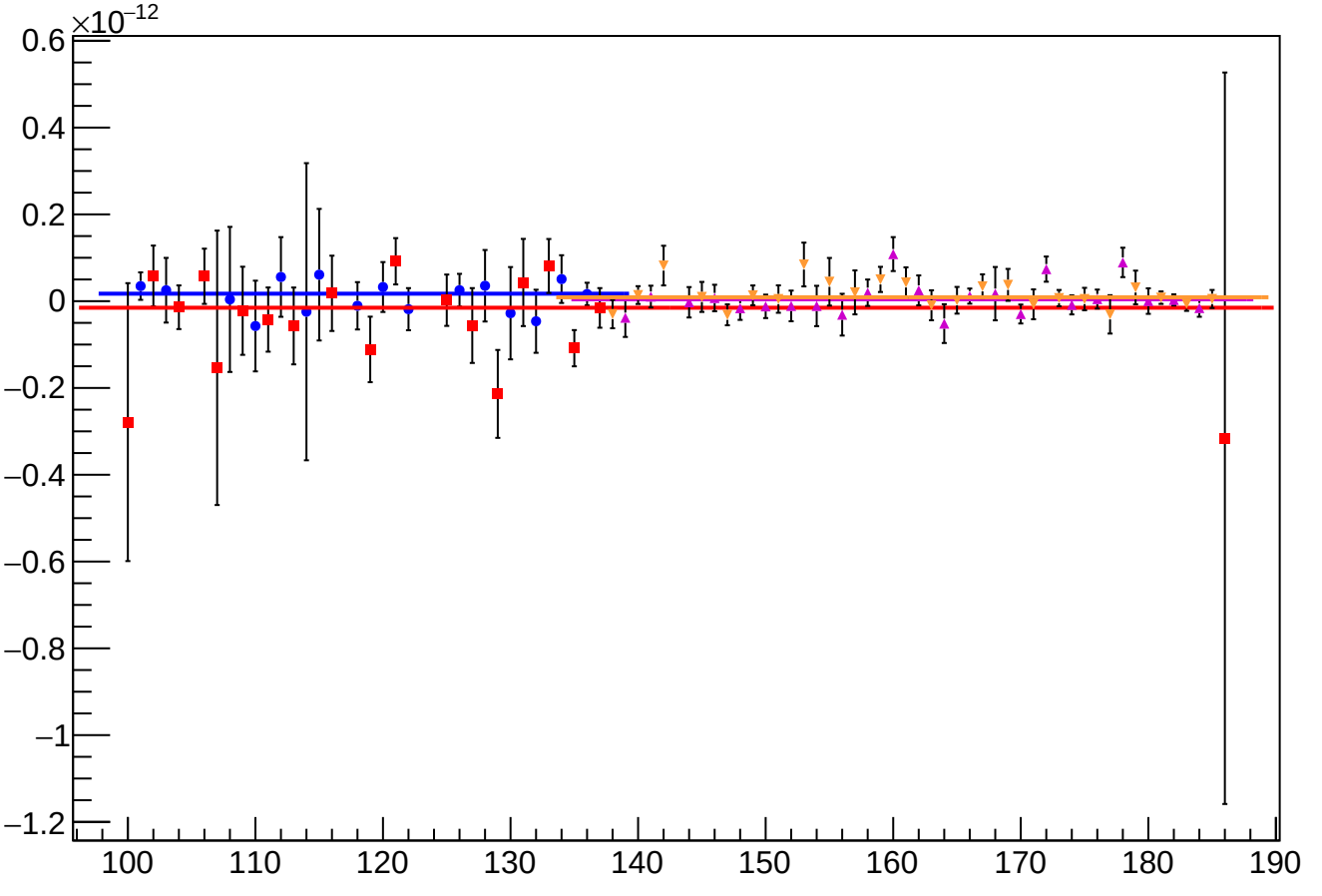
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1514.412+/-0.281 χ^2/NDF: 887289.7/34

In: 1726.492+/-0.245 χ^2/NDF:1288793.9/38

Out: 1743.421+/-0.244 χ^2/NDF:1575339.7/42

All: 1734.970+/-0.173 χ^2/NDF: 2866528.3/81



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

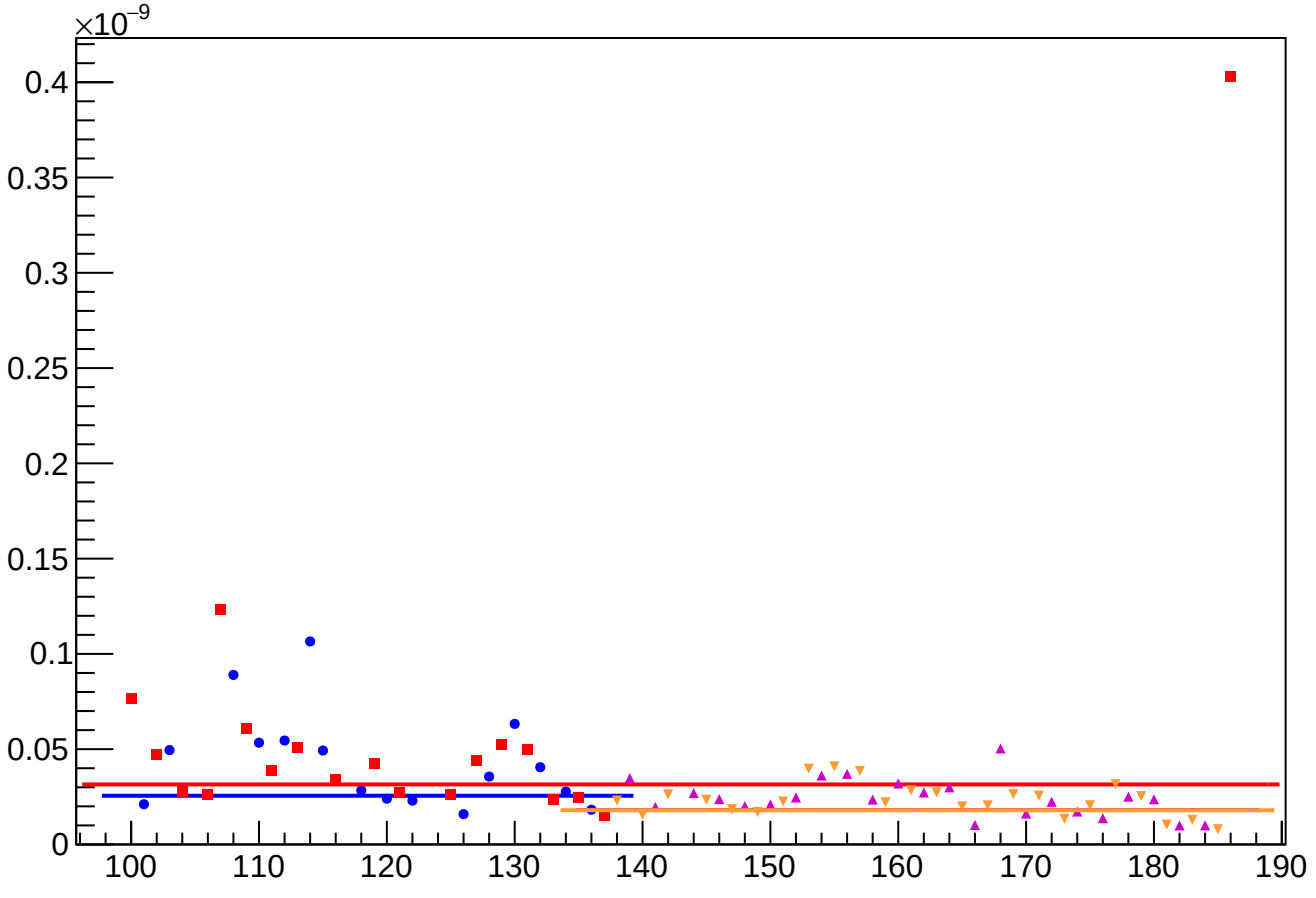
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

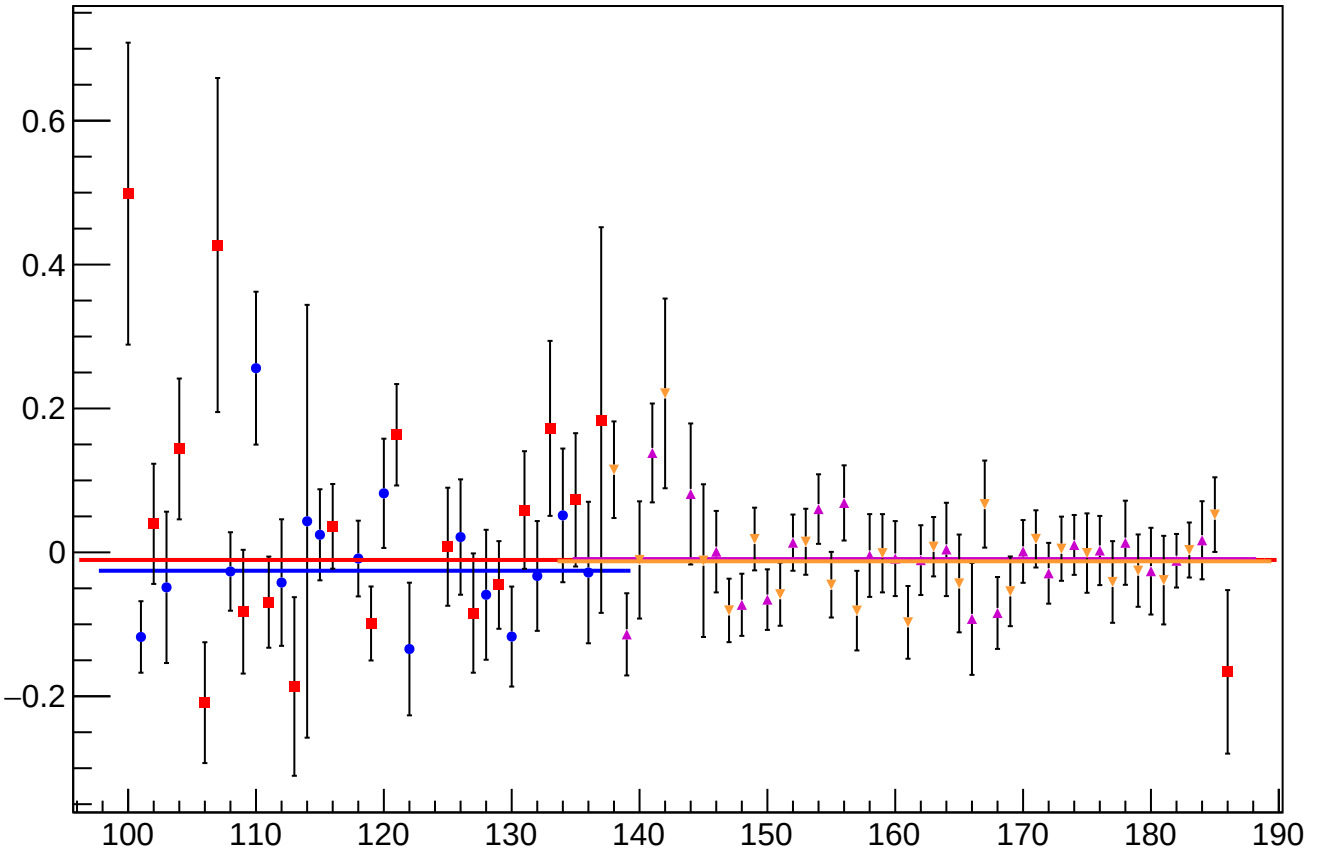
Right: 0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:32.3/38

Out: 0.000+/-0.000 χ^2/NDF:40.0/42

All: 0.000+/-0.000 χ^2/NDF: 72.3/81


asym_usl_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: 1707801.4/15
Left Out: 0.000+/-0.000 χ²/NDF:3491055.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1616480.2/18
Left In: 0.000+/-0.000 χ²/NDF:4180182.9/22
Left: 0.000+/-0.000 χ²/NDF: 7671624.5/46
Right: 0.000+/-0.000 χ²/NDF: 3483798.6/34
In: 0.000+/-0.000 χ²/NDF:6415856.9/38
Out: 0.000+/-0.000 χ²/NDF:6377747.9/42
All: 0.000+/-0.000 χ²/NDF: 12795565.2/81



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

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

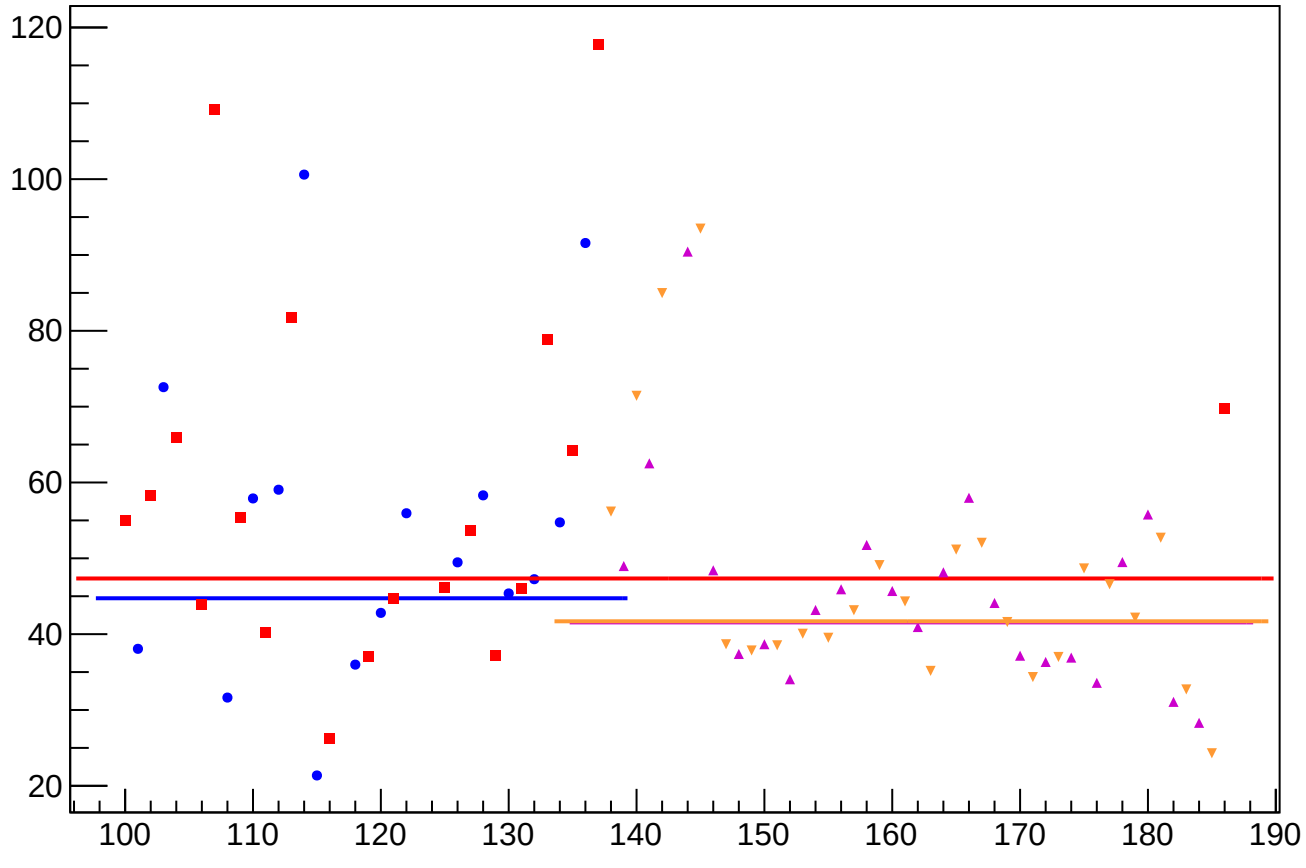
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.018+/-0.013 χ^2/NDF: 56.4/34

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.5/81



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

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

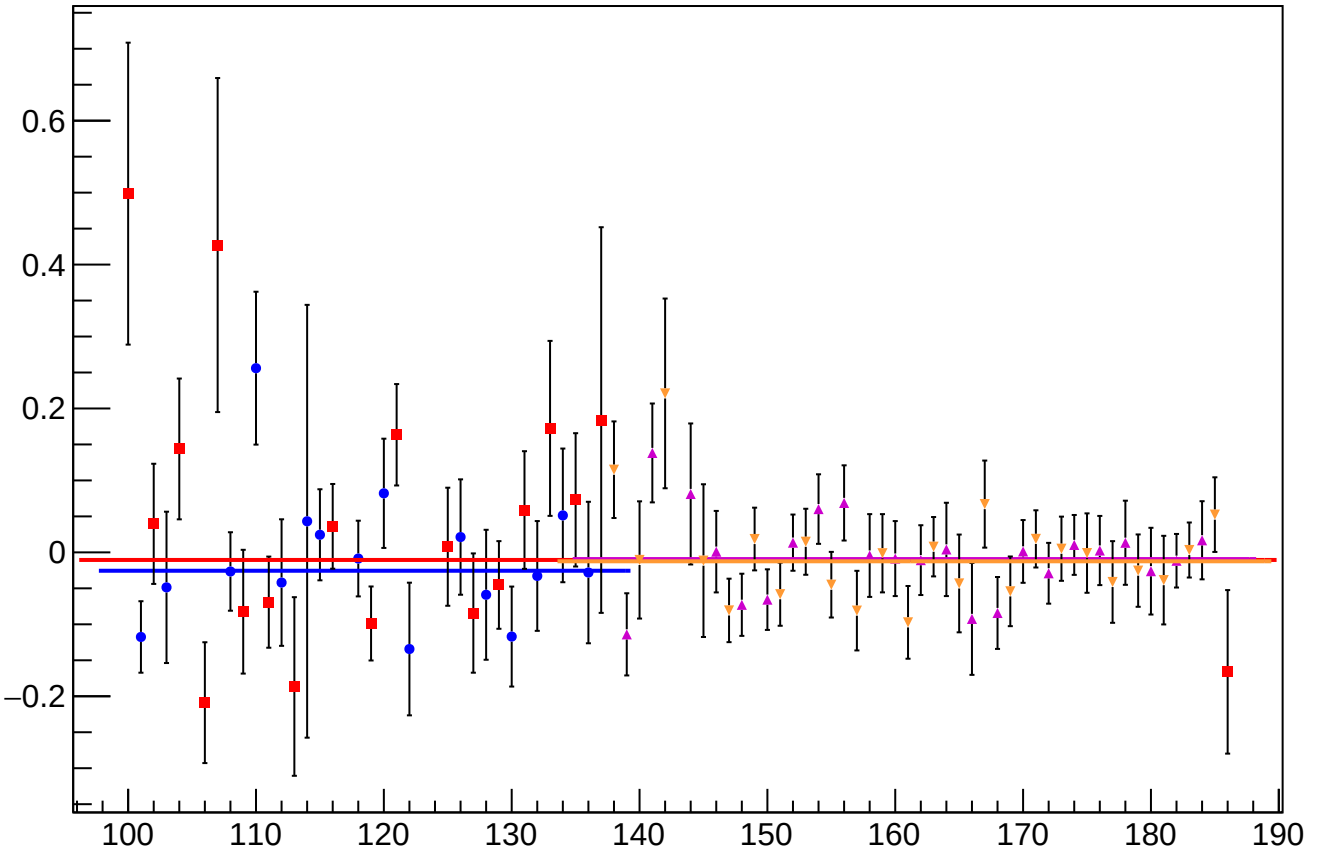
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 46.013+/-0.009 χ^2/NDF: 2628639.7/34

In: 42.307+/-0.006 χ^2/NDF:2991370.4/38

Out: 43.002+/-0.007 χ^2/NDF:3231054.6/42

All: 42.653+/-0.005 χ^2/NDF: 6228166.0/81



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

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

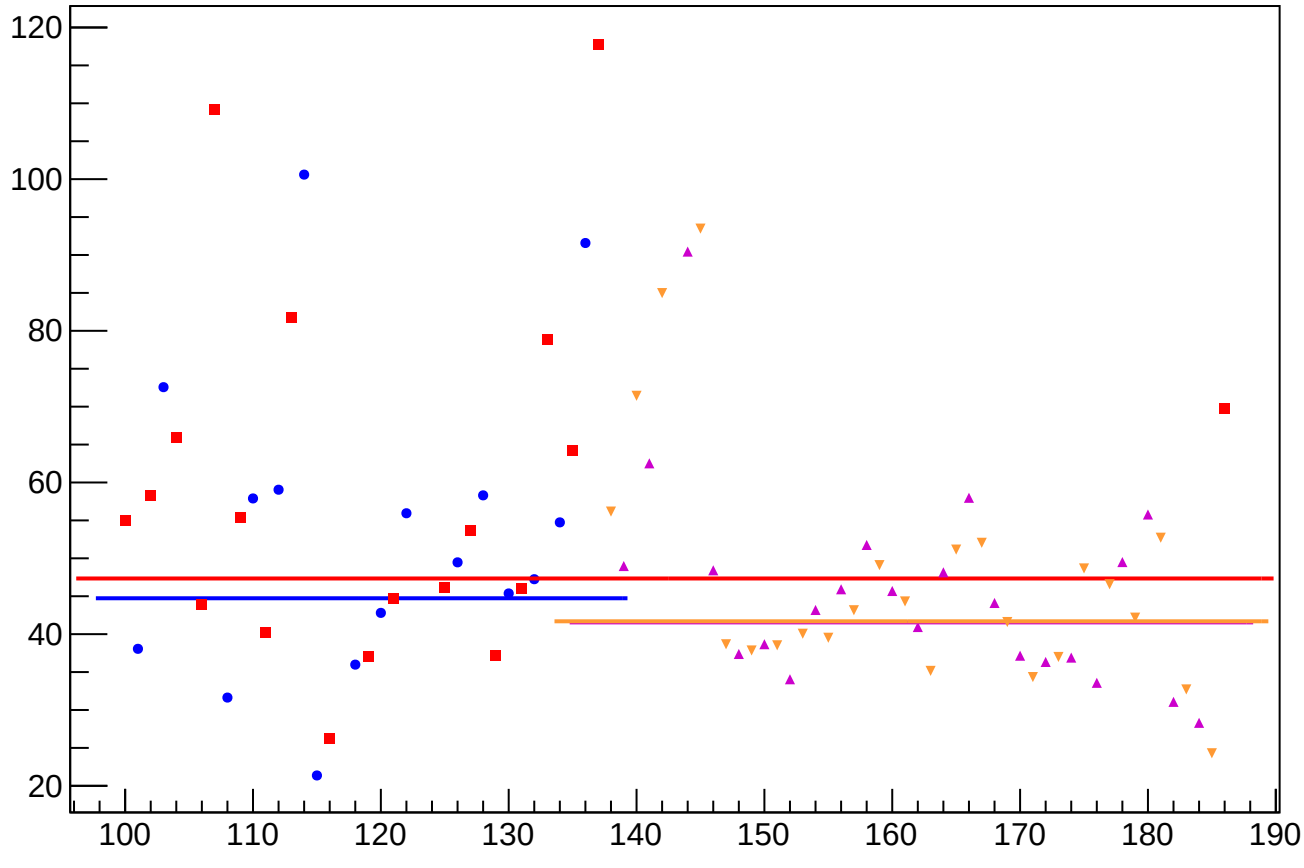
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.018+/-0.013 χ^2/NDF: 56.4/34

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.5/81



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

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

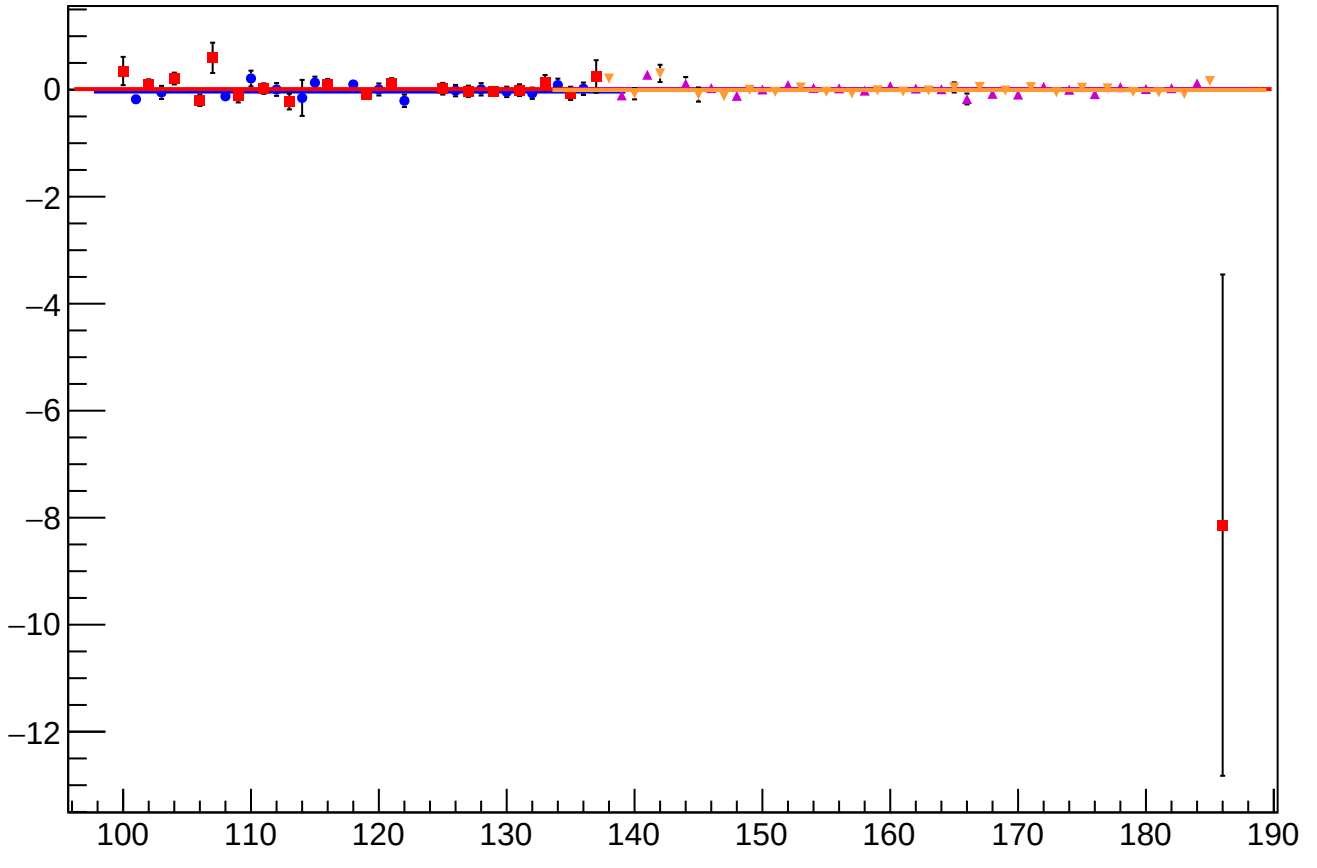
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 46.013+/-0.009 χ^2/NDF: 2628639.7/34

In: 42.307+/-0.006 χ^2/NDF:2991370.4/38

Out: 43.002+/-0.007 χ^2/NDF:3231054.6/42

All: 42.653+/-0.005 χ^2/NDF: 6228166.0/81



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

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

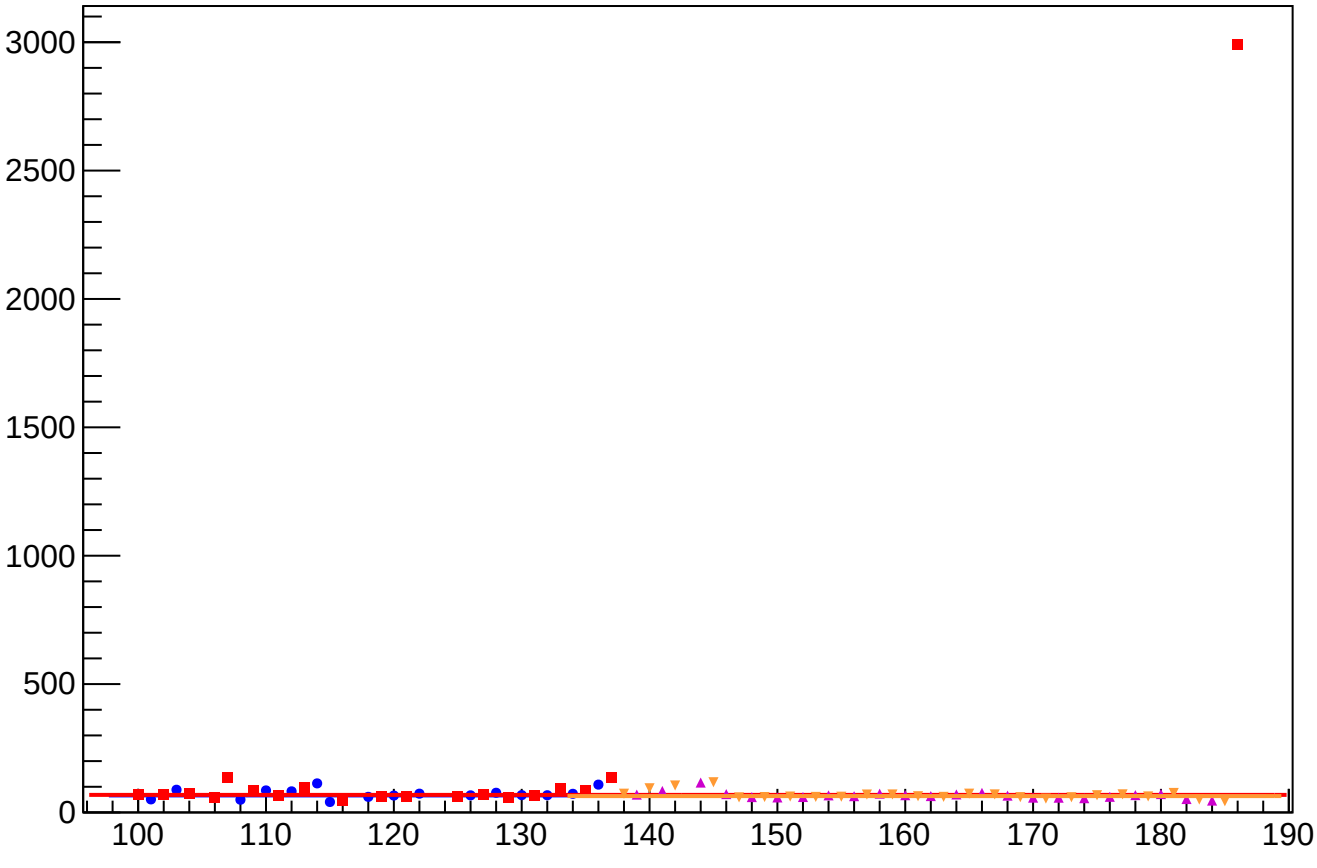
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.012+/-0.019 χ^2/NDF: 44.7/34

In: -0.003+/-0.013 χ^2/NDF:47.5/38

Out: -0.002+/-0.013 χ^2/NDF:49.8/42

All: -0.003+/-0.009 χ^2/NDF: 97.3/81



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

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

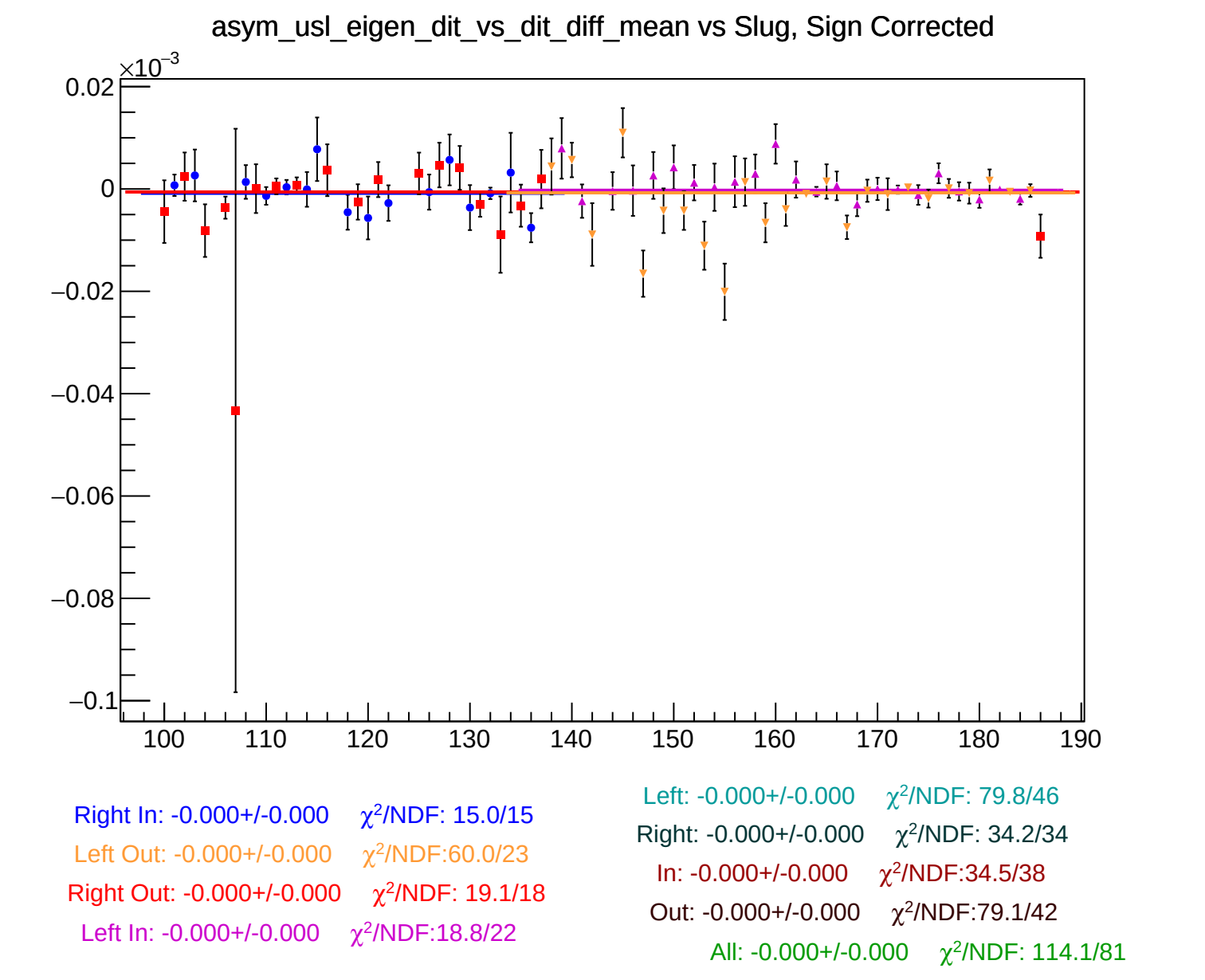
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

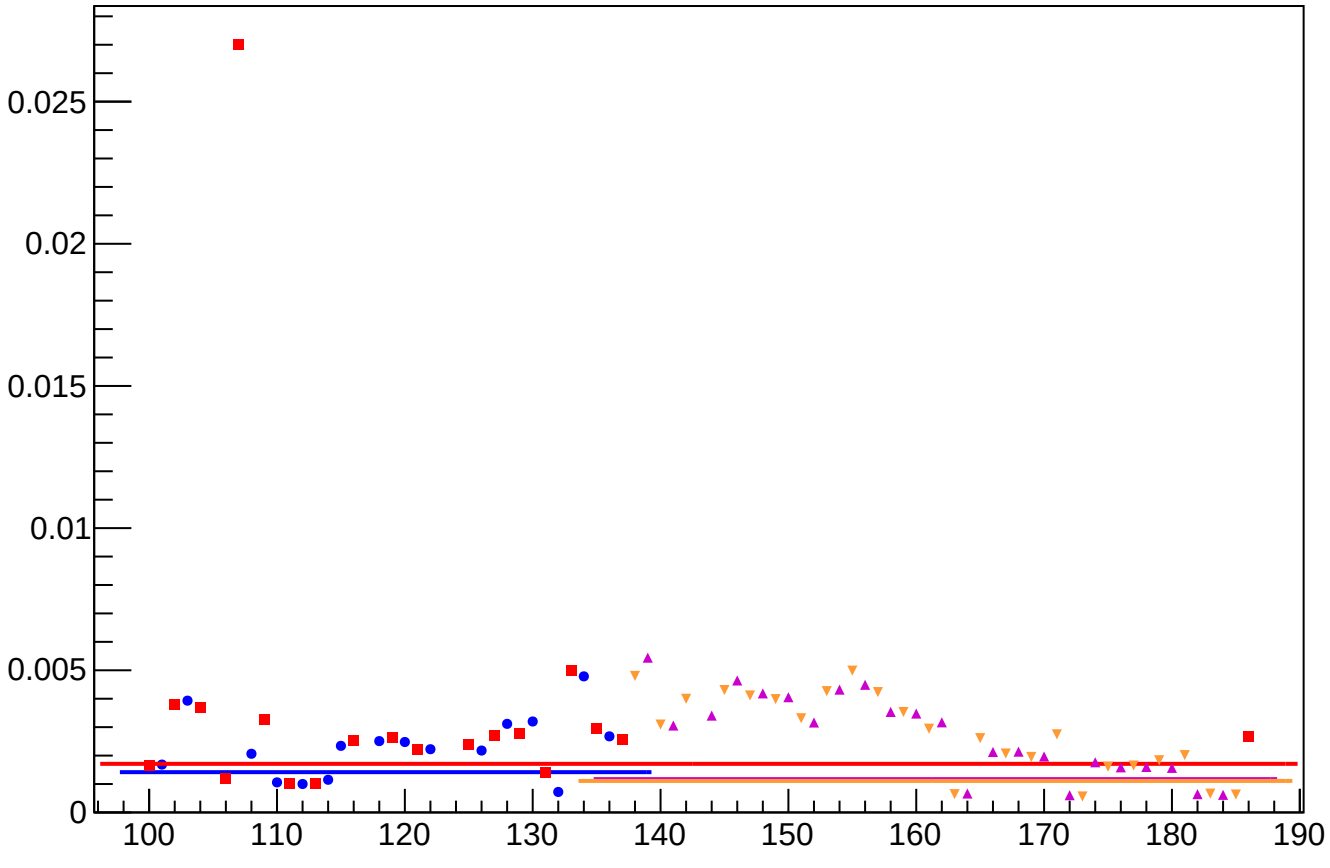
Right: 67.359+/-0.013 χ^2/NDF: 2186161.4/34

In: 64.632+/-0.009 χ^2/NDF:1622939.1/38

Out: 64.925+/-0.009 χ^2/NDF:2531067.3/42

All: 64.778+/-0.007 χ^2/NDF: 4154485.3/81


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: 15.0/15
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: 34.2/34
In: -0.000+/-0.000 χ²/NDF:34.5/38
Out: -0.000+/-0.000 χ²/NDF:79.1/42
All: -0.000+/-0.000 χ²/NDF: 114.1/81



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

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

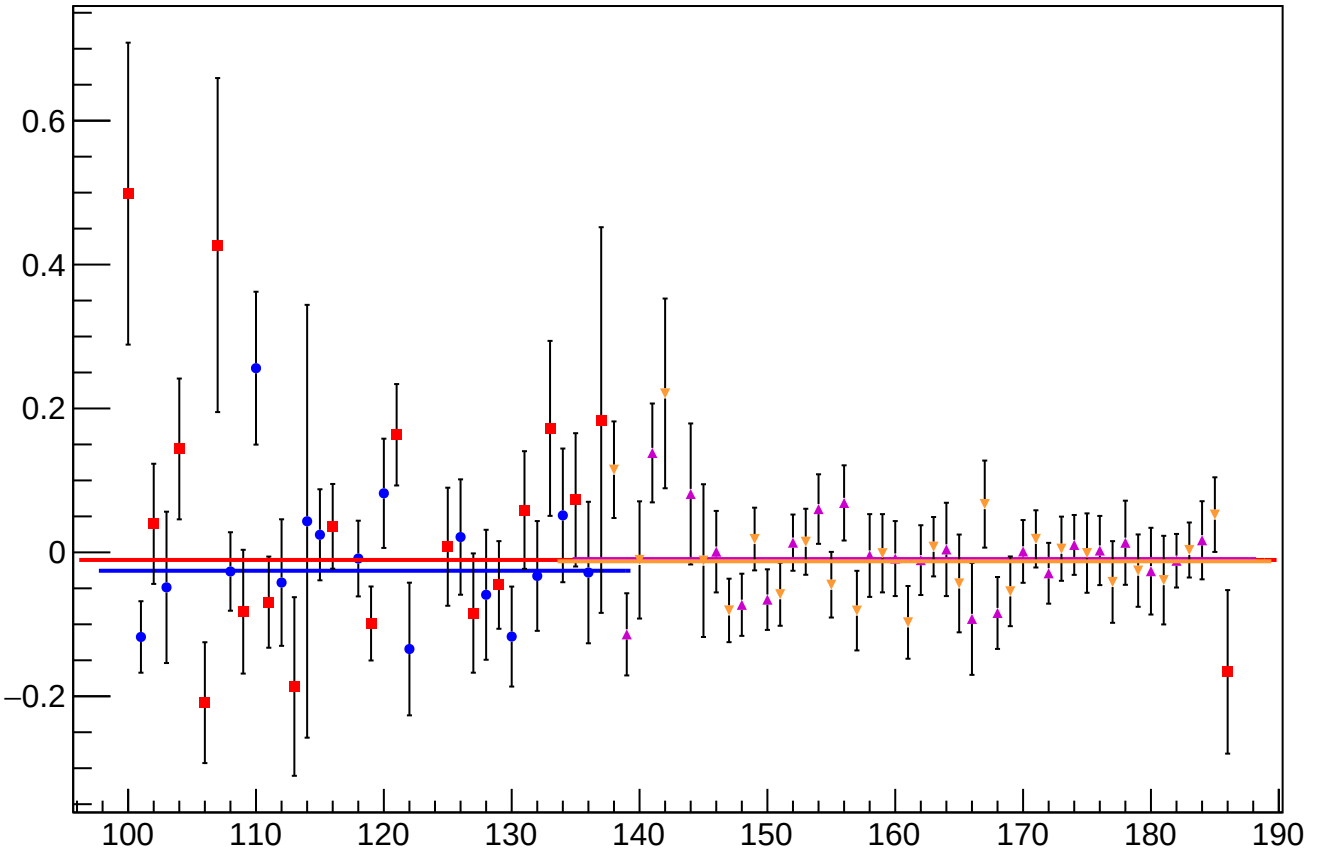
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.002+/-0.000 χ^2/NDF: 7277875.3/34

In: 0.001+/-0.000 χ^2/NDF:18034778.4/38

Out: 0.001+/-0.000 χ^2/NDF:19848800.8/42

All: 0.001+/-0.000 χ^2/NDF: 37885373.1/81



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

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

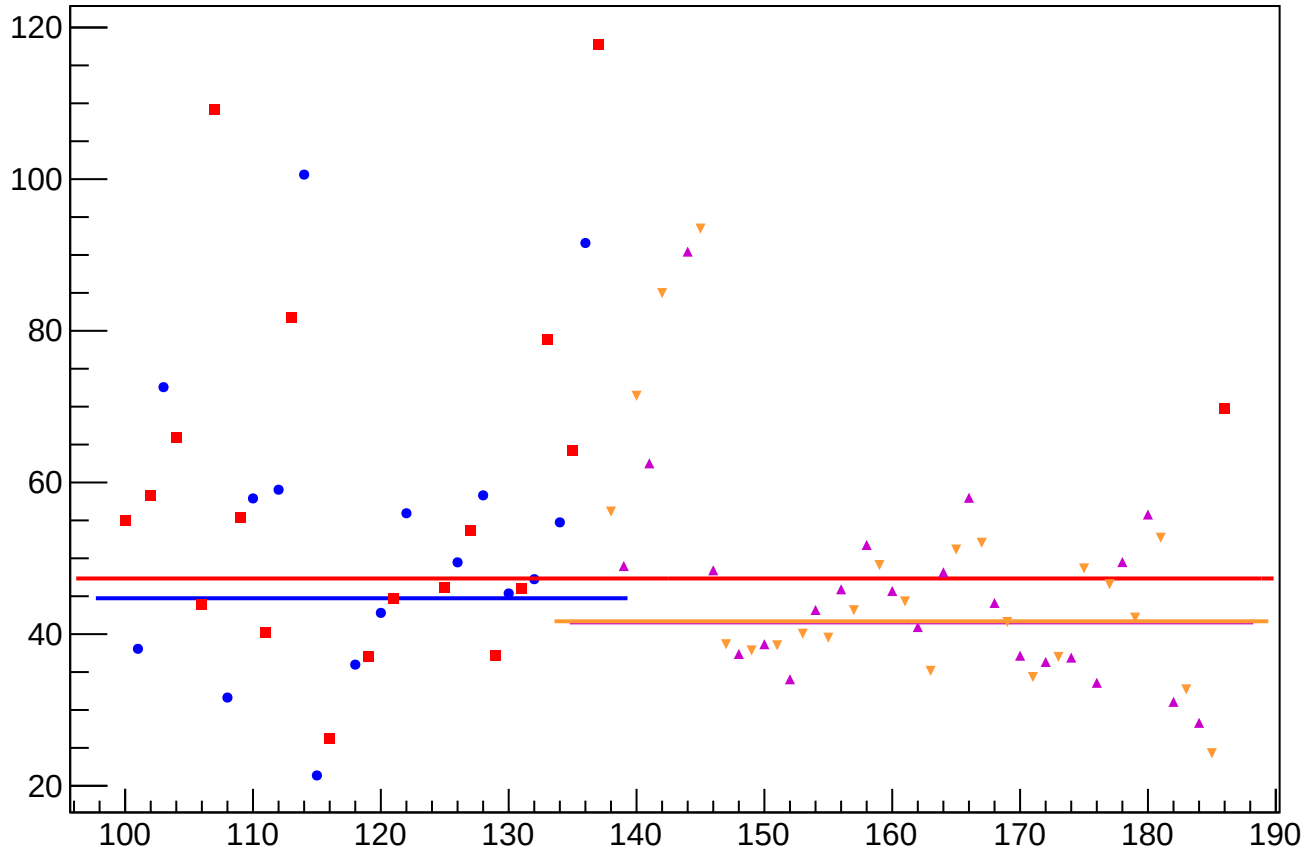
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.018+/-0.013 χ^2/NDF: 56.4/34

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.5/81



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

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

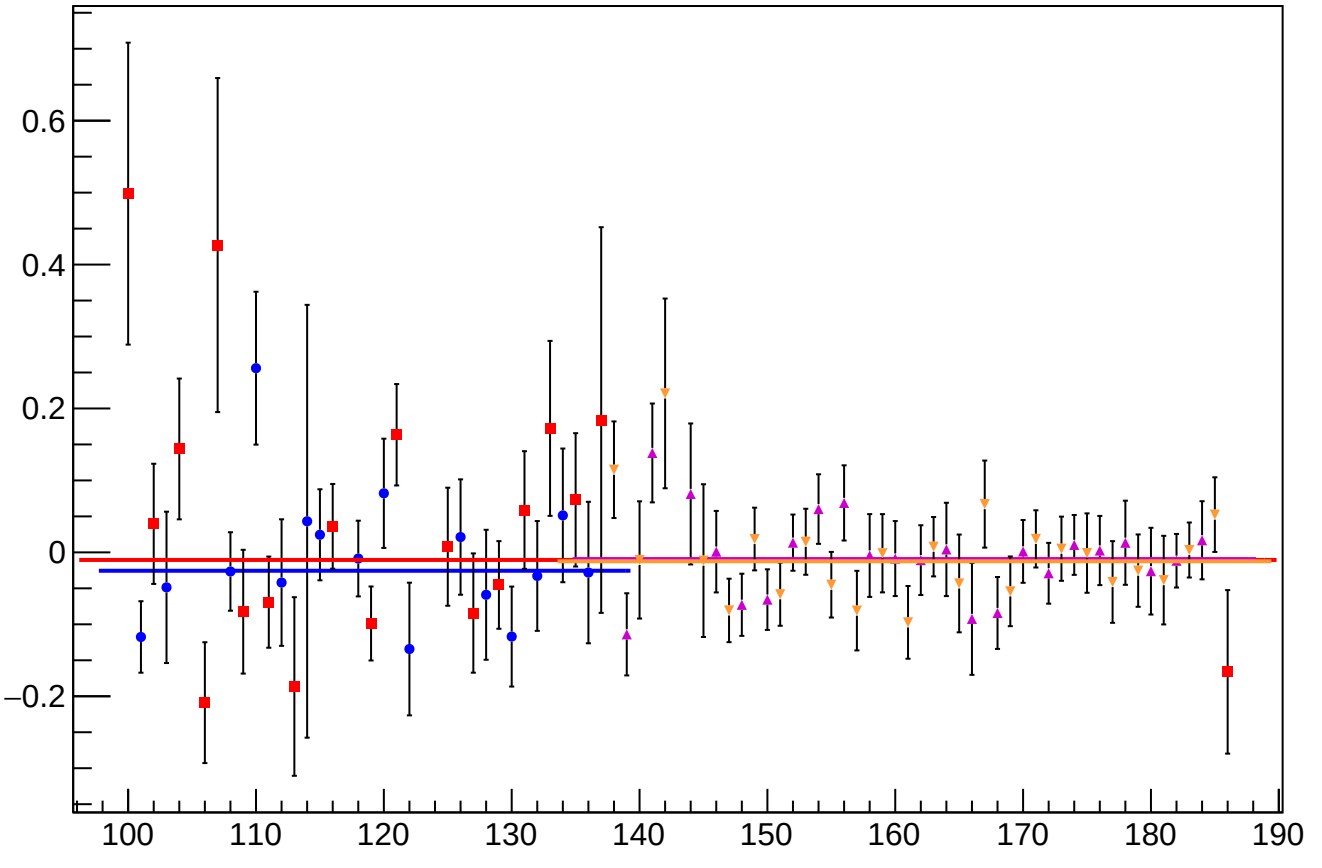
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 46.012+/-0.009 χ^2/NDF: 2628761.9/34

In: 42.307+/-0.006 χ^2/NDF:2991361.3/38

Out: 43.002+/-0.007 χ^2/NDF:3231031.0/42

All: 42.653+/-0.005 χ^2/NDF: 6228131.7/81



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

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

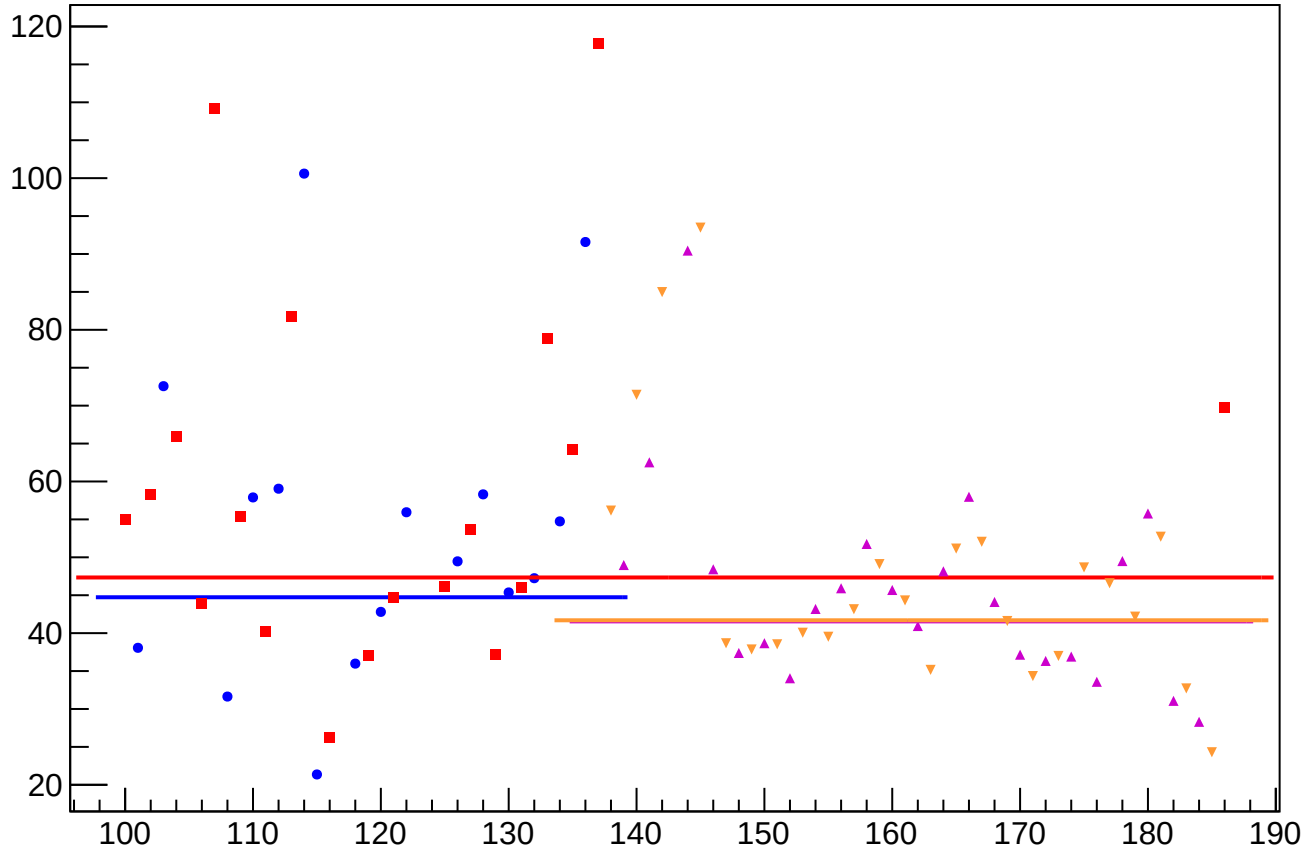
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.018+/-0.013 χ^2/NDF: 56.4/34

In: -0.013+/-0.009 χ^2/NDF:40.1/38

Out: -0.012+/-0.009 χ^2/NDF:60.4/42

All: -0.013+/-0.006 χ^2/NDF: 100.5/81



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

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

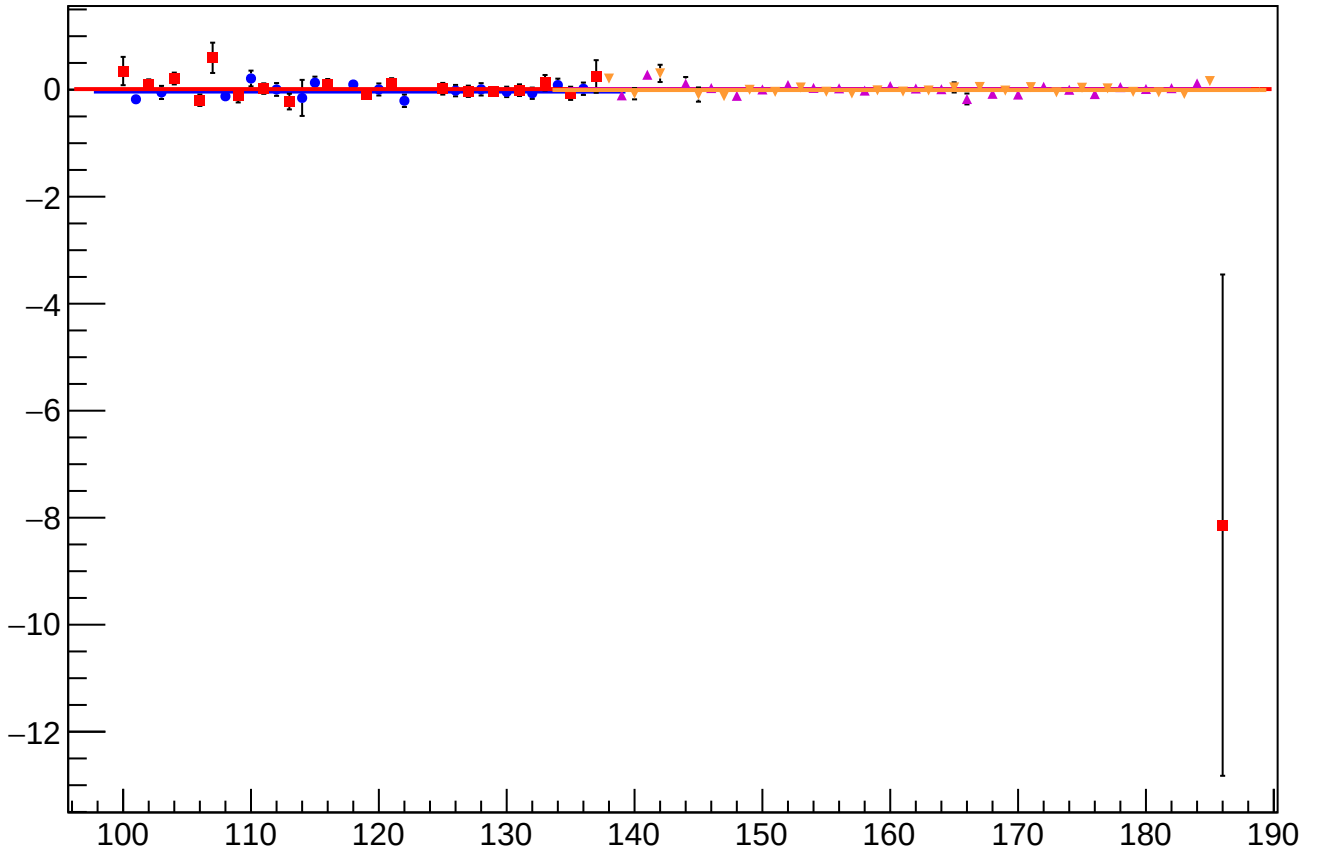
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 46.012+/-0.009 χ^2/NDF: 2628761.9/34

In: 42.307+/-0.006 χ^2/NDF:2991361.3/38

Out: 43.002+/-0.007 χ^2/NDF:3231031.0/42

All: 42.653+/-0.005 χ^2/NDF: 6228131.7/81



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

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

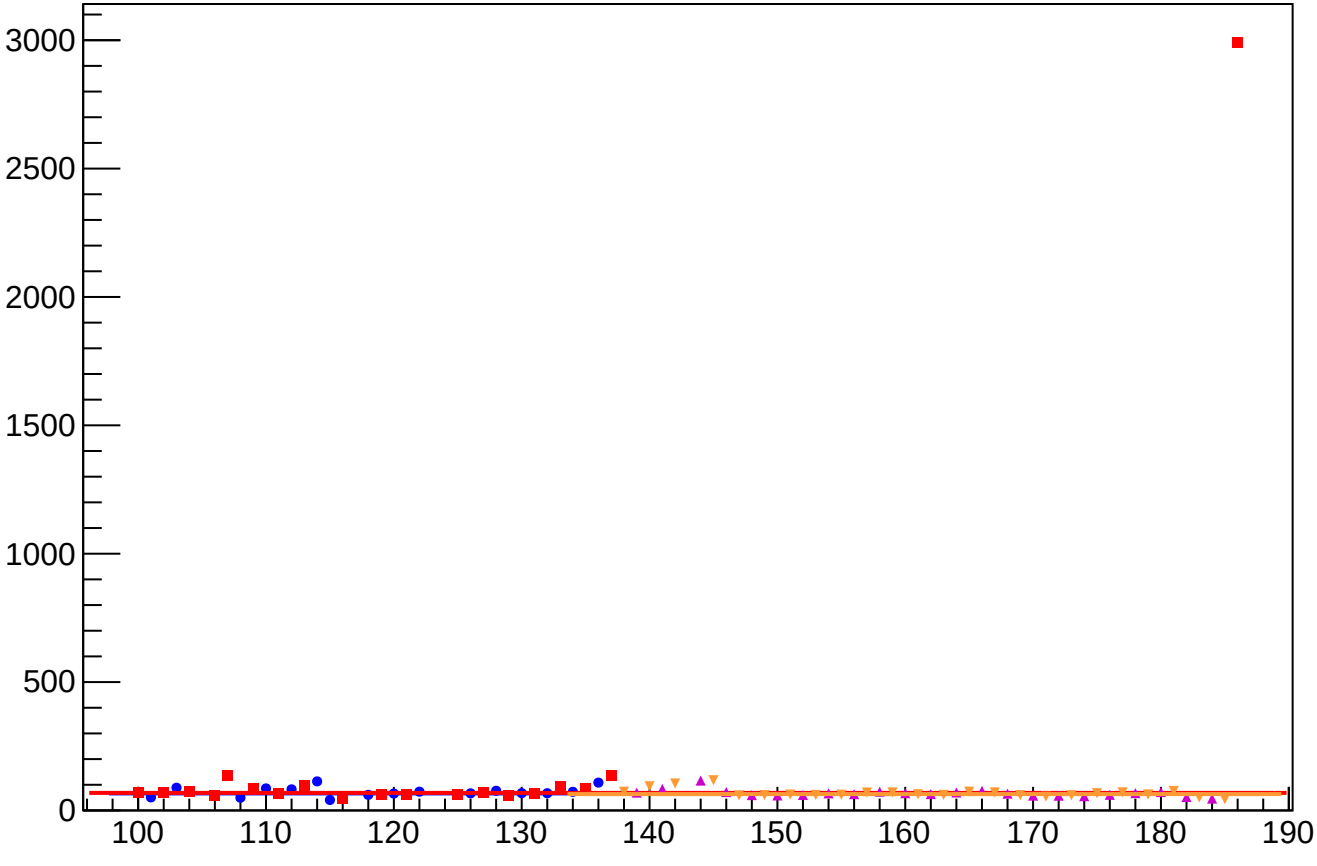
Right: -0.012+/-0.019 χ^2/NDF: 44.7/34

In: -0.003+/-0.013 χ^2/NDF:47.5/38

Out: -0.002+/-0.013 χ^2/NDF:49.8/42

All: -0.003+/-0.009 χ^2/NDF: 97.3/81

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 68.418+/-0.019 χ^2/NDF: 1407443.4/18

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

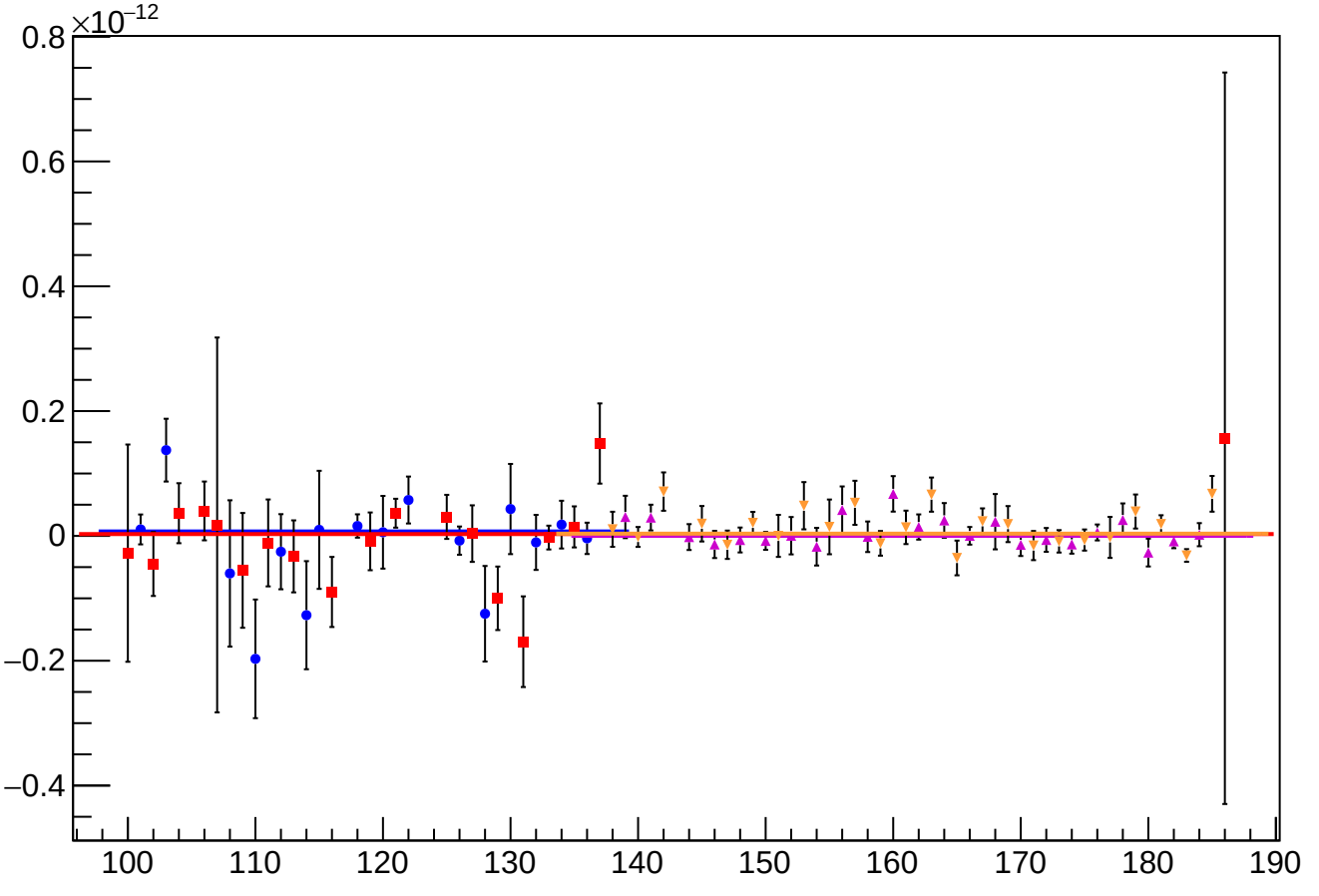
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 67.358+/-0.013 χ^2/NDF: 2186163.5/34

In: 64.632+/-0.009 χ^2/NDF:1622935.4/38

Out: 64.925+/-0.009 χ^2/NDF:2531036.3/42

All: 64.778+/-0.007 χ^2/NDF: 4154450.3/81



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

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

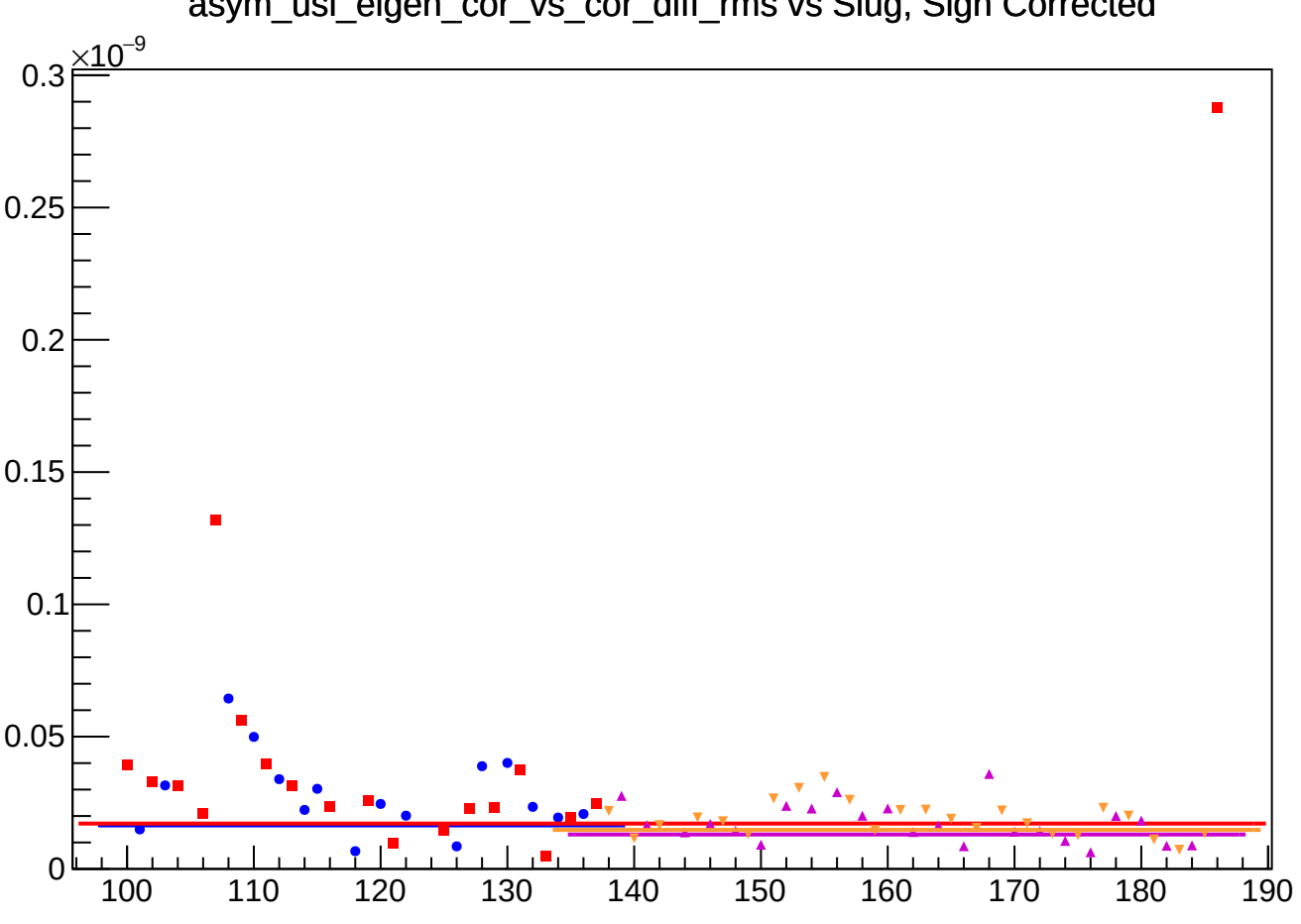
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 44.0/34

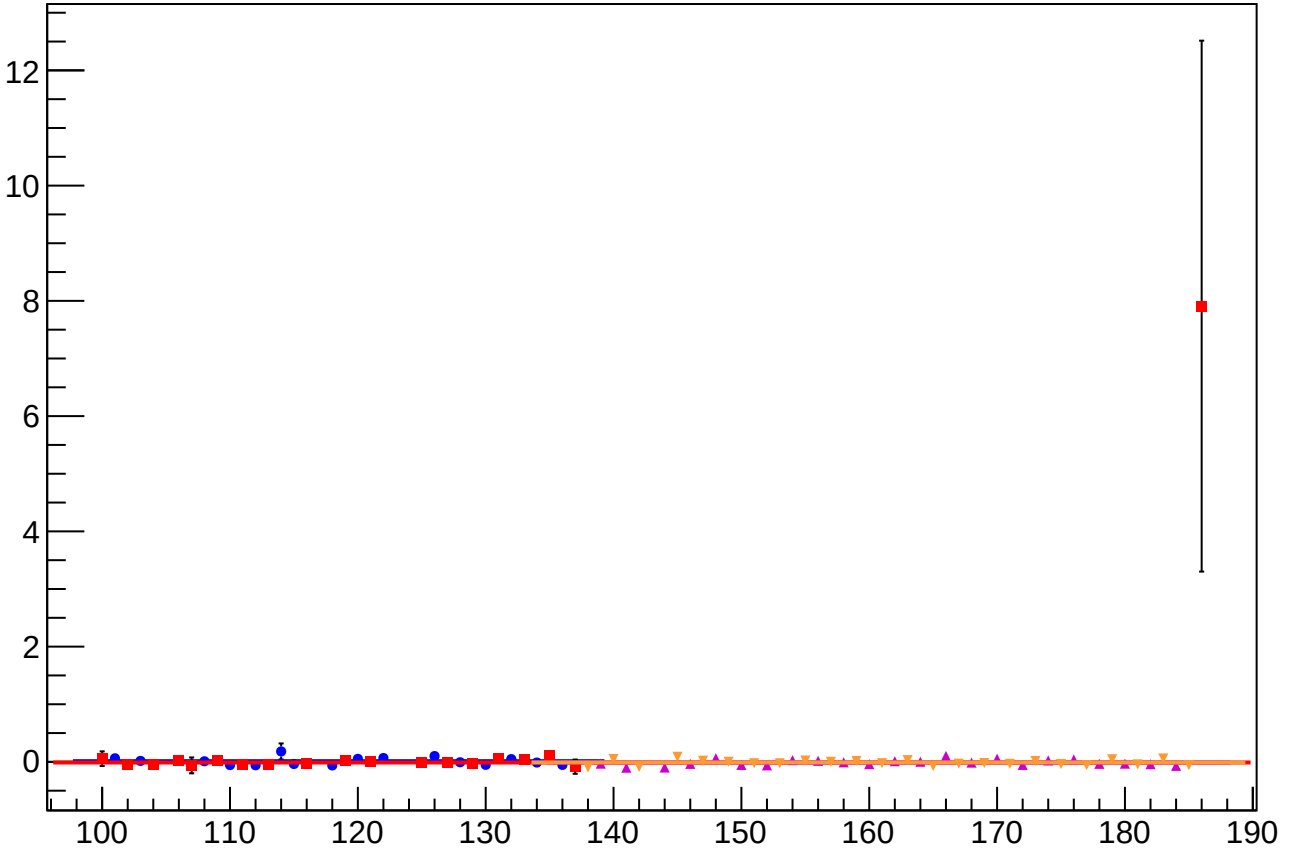
In: 0.000+/-0.000 χ^2/NDF:38.1/38

Out: 0.000+/-0.000 χ^2/NDF:64.0/42

All: 0.000+/-0.000 χ^2/NDF: 102.2/81


asym_usl_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: 2345888.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3531388.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 3217590.6/18
Left In: 0.000+/-0.000 χ²/NDF:3925910.3/22
Left: 0.000+/-0.000 χ²/NDF: 7627228.5/46
Right: 0.000+/-0.000 χ²/NDF: 5568626.8/34
In: 0.000+/-0.000 χ²/NDF:6507063.8/38
Out: 0.000+/-0.000 χ²/NDF:6848094.5/42
All: 0.000+/-0.000 χ²/NDF: 13522287.7/81

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.010+/-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

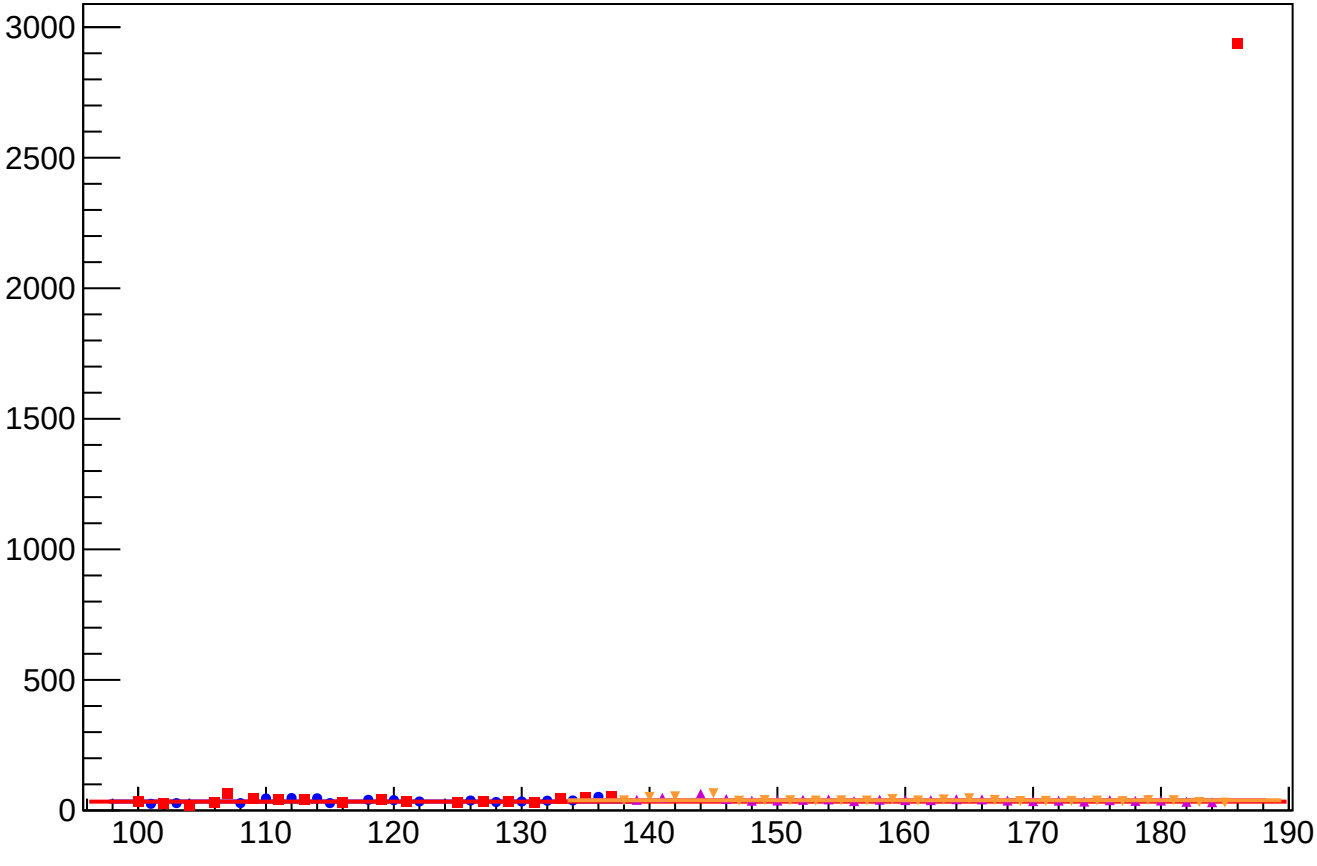
Right: 0.001+/-0.010 χ^2/NDF: 29.0/34

In: -0.004+/-0.008 χ^2/NDF:39.9/38

Out: -0.010+/-0.008 χ^2/NDF:32.3/42

All: -0.007+/-0.006 χ^2/NDF: 72.6/81

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

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

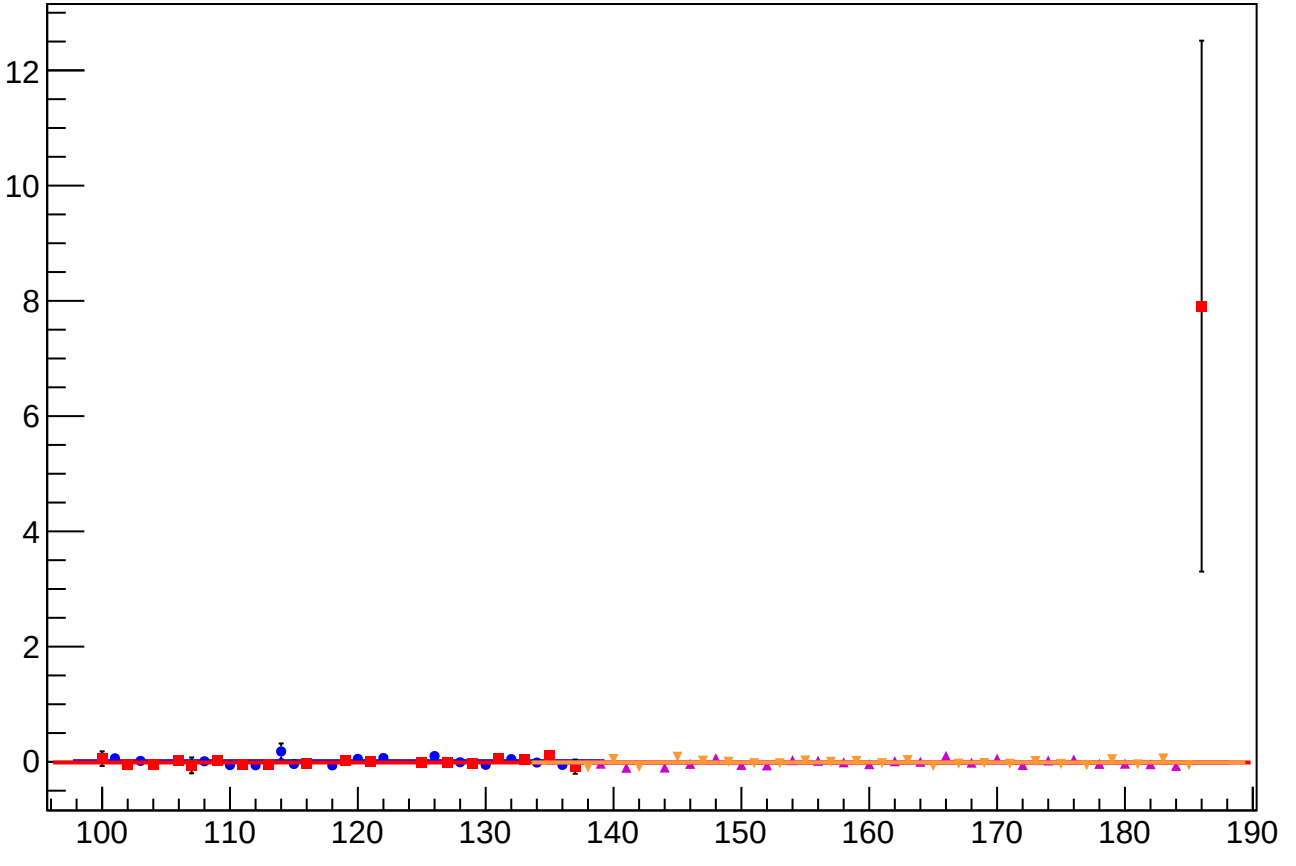
Right: 34.009+/-0.007 χ^2/NDF: 2344904.4/34

In: 37.552+/-0.006 χ^2/NDF:1333114.1/38

Out: 37.248+/-0.005 χ^2/NDF:2532355.4/42

All: 37.399+/-0.004 χ^2/NDF: 3866994.0/81

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.010+/-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

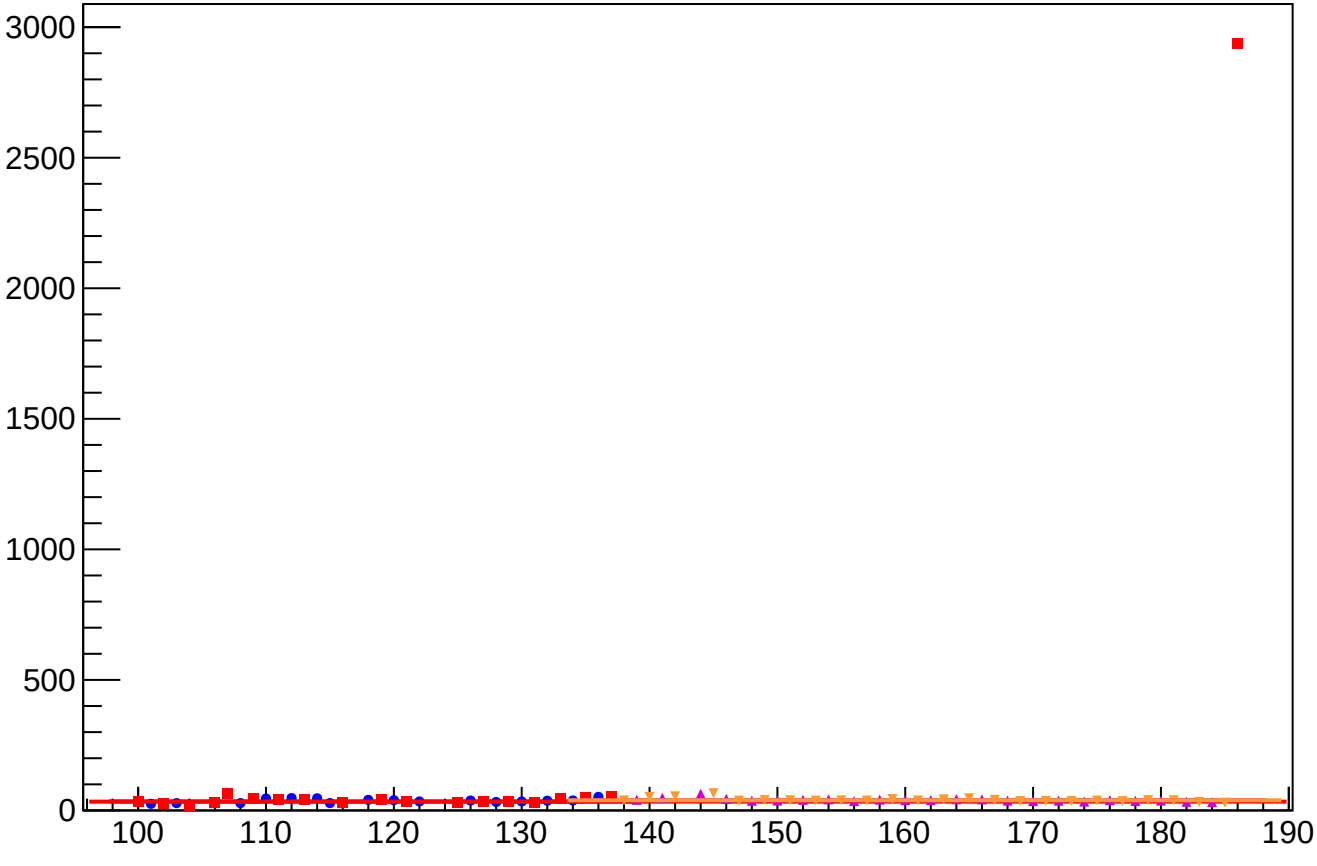
Right: 0.001+/-0.010 χ^2/NDF: 29.0/34

In: -0.004+/-0.008 χ^2/NDF:39.9/38

Out: -0.010+/-0.008 χ^2/NDF:32.3/42

All: -0.007+/-0.006 χ^2/NDF: 72.6/81

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 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

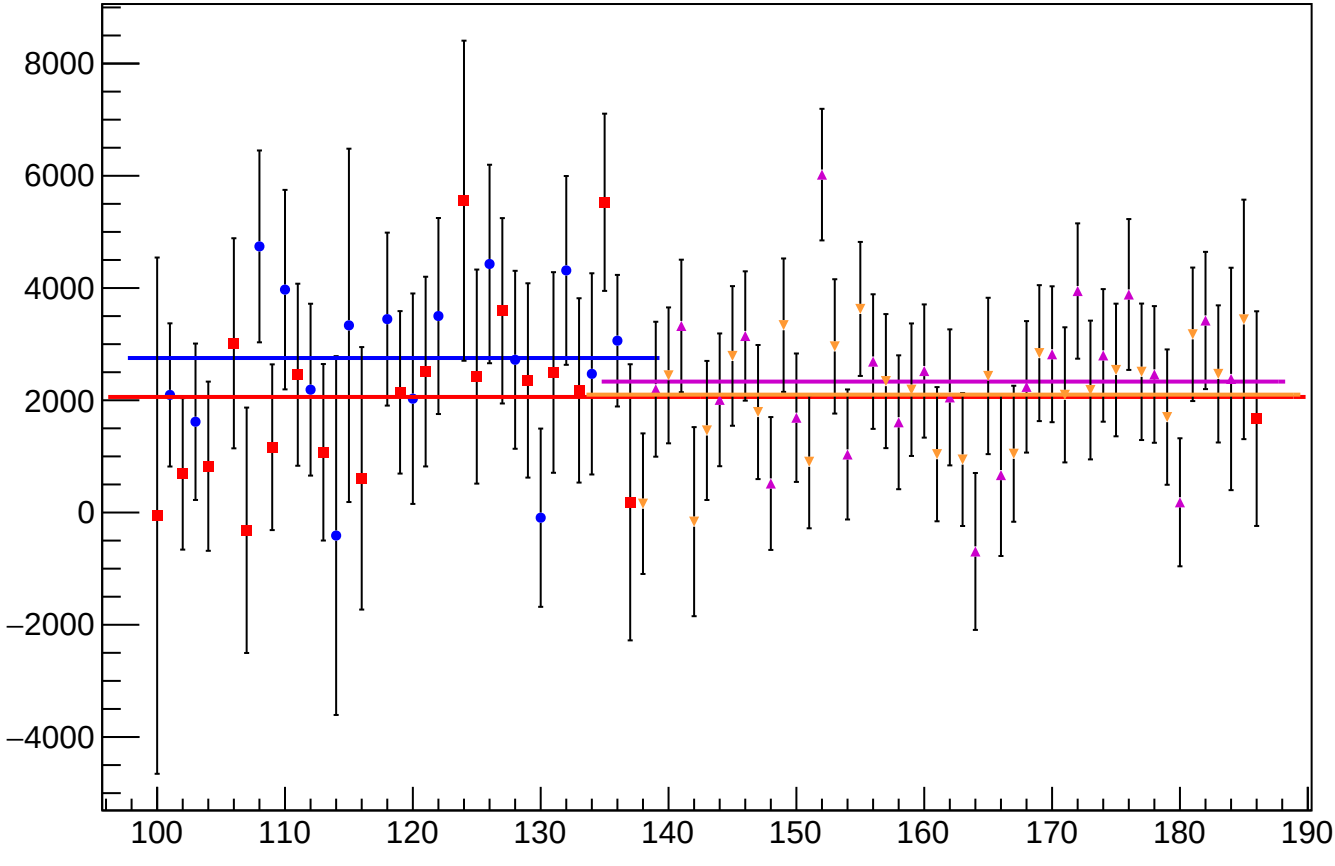
Right: 34.009+/-0.007 χ^2/NDF: 2344904.4/34

In: 37.552+/-0.006 χ^2/NDF:1333114.1/38

Out: 37.248+/-0.005 χ^2/NDF:2532355.4/42

All: 37.399+/-0.004 χ^2/NDF: 3866994.0/81

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

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

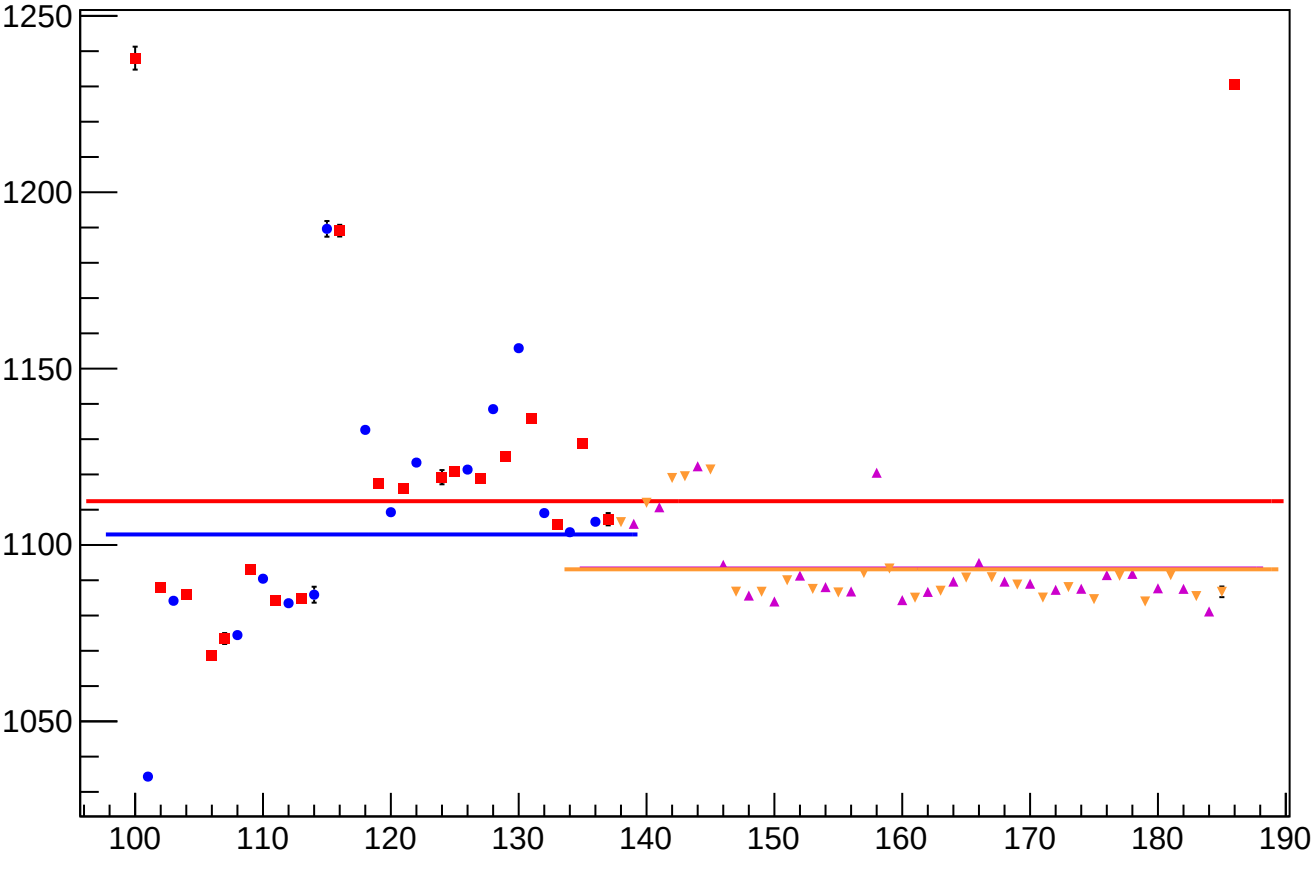
Right: 2393.486+/-284.441 χ^2/NDF: 23.6/35

In: 2450.407+/-216.686 χ^2/NDF:39.7/38

Out: 2088.753+/-210.233 χ^2/NDF:26.4/44

All: 2264.115+/-150.887 χ^2/NDF: 67.6/83

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

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

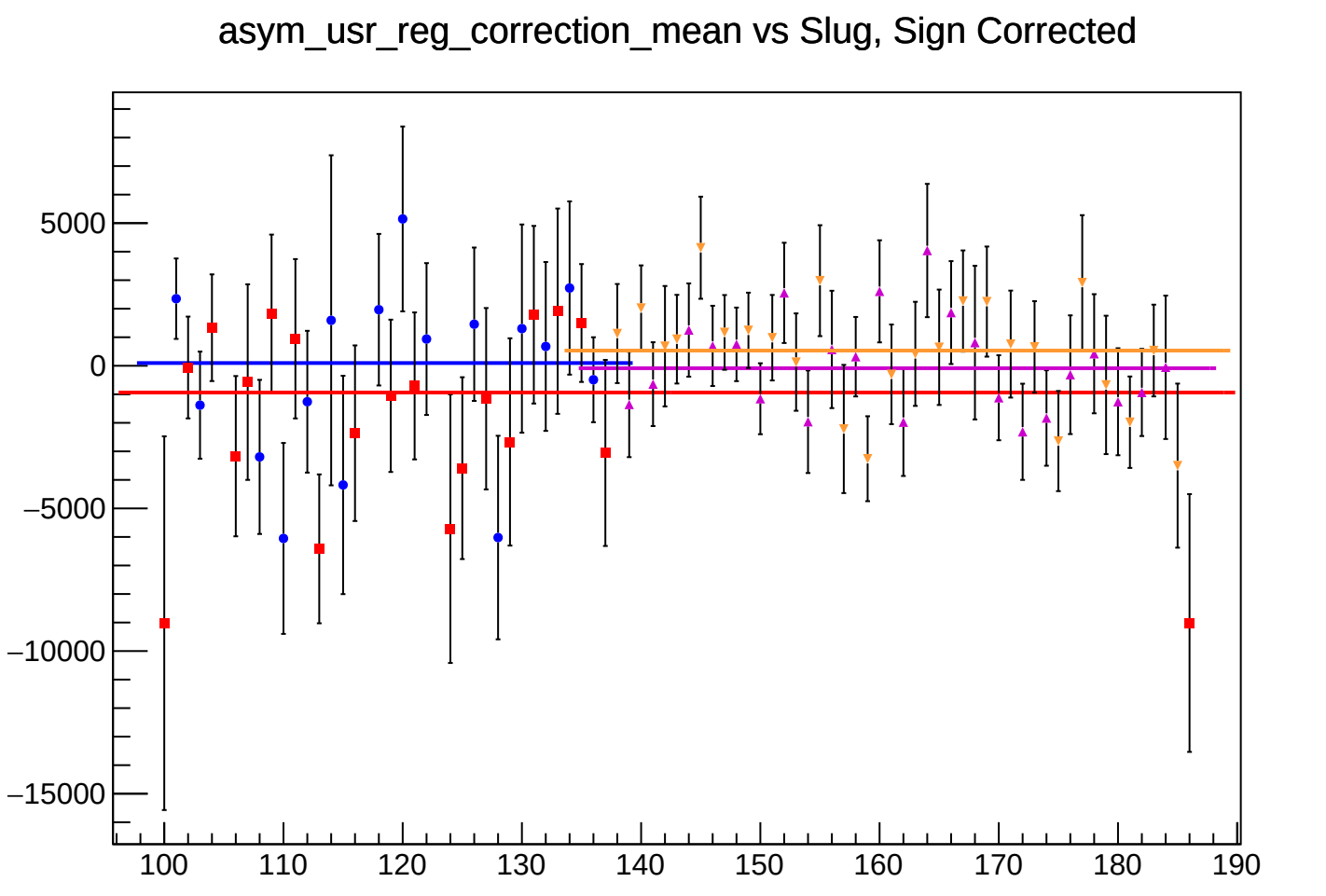
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1107.876+/-0.201 χ^2/NDF: 30407.1/35

In: 1096.036+/-0.153 χ^2/NDF:17748.3/38

Out: 1098.572+/-0.149 χ^2/NDF:24044.6/44

All: 1097.342+/-0.107 χ^2/NDF: 41934.0/83



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

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

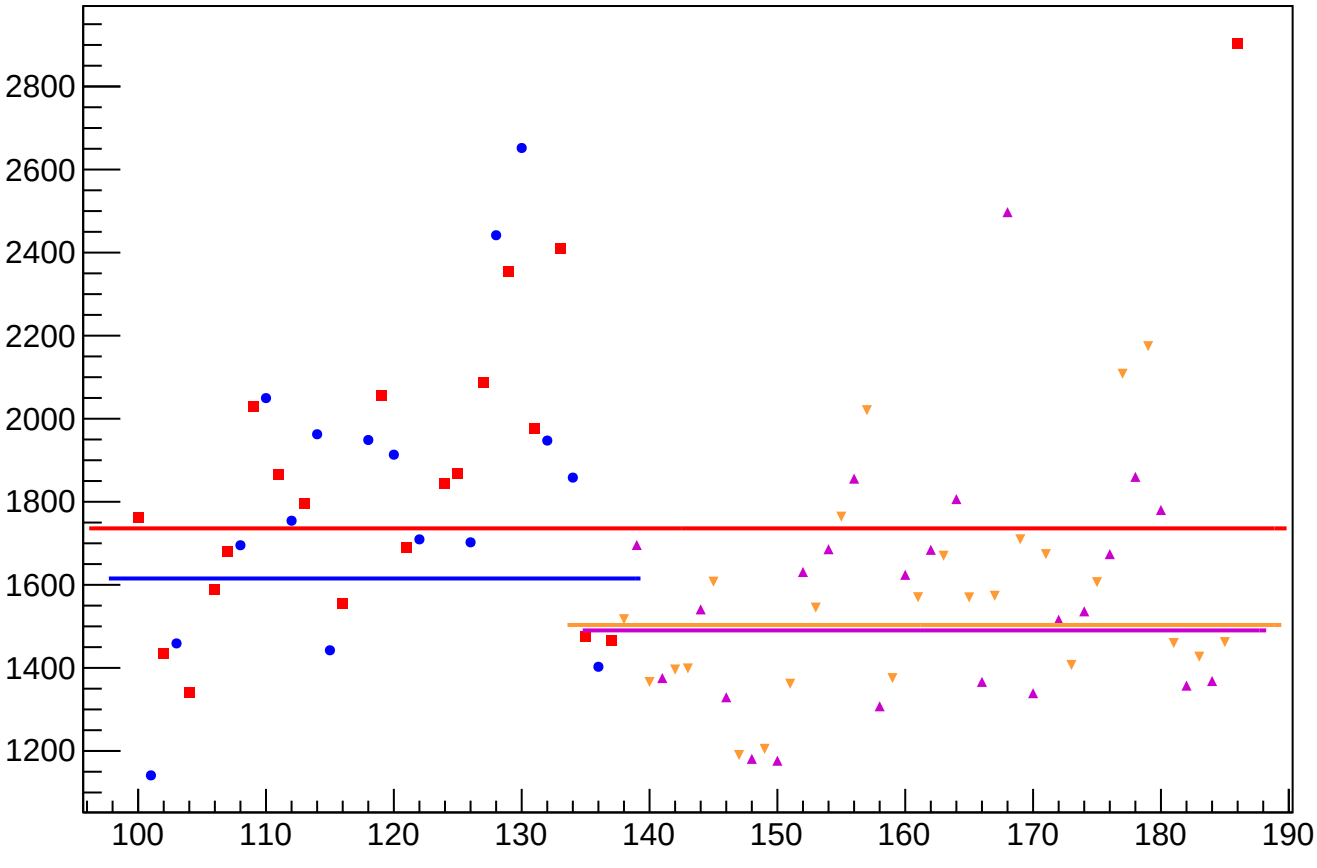
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -410.379+/-441.458 χ^2/NDF: 36.6/35

In: -40.565+/-307.142 χ^2/NDF:35.0/38

Out: 190.954+/-304.176 χ^2/NDF:48.9/44

All: 76.318+/-216.126 χ^2/NDF: 84.3/83



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

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

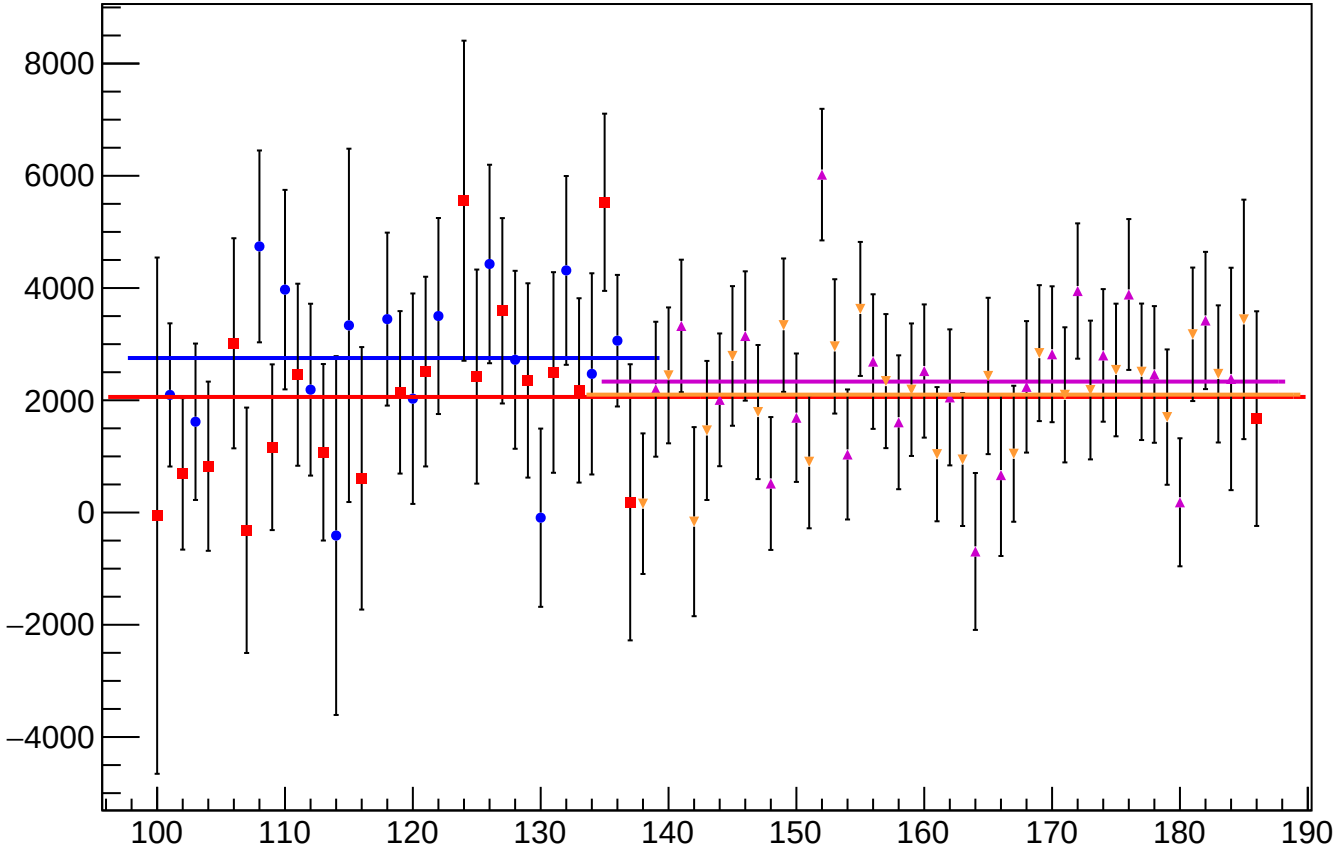
Right: 1674.429+/-0.312 χ^2/NDF: 1294989.6/35

In: 1521.181+/-0.217 χ^2/NDF:1723452.0/38

Out: 1557.522+/-0.215 χ^2/NDF:1572330.8/44

All: 1539.528+/-0.153 χ^2/NDF: 3309918.5/83

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

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

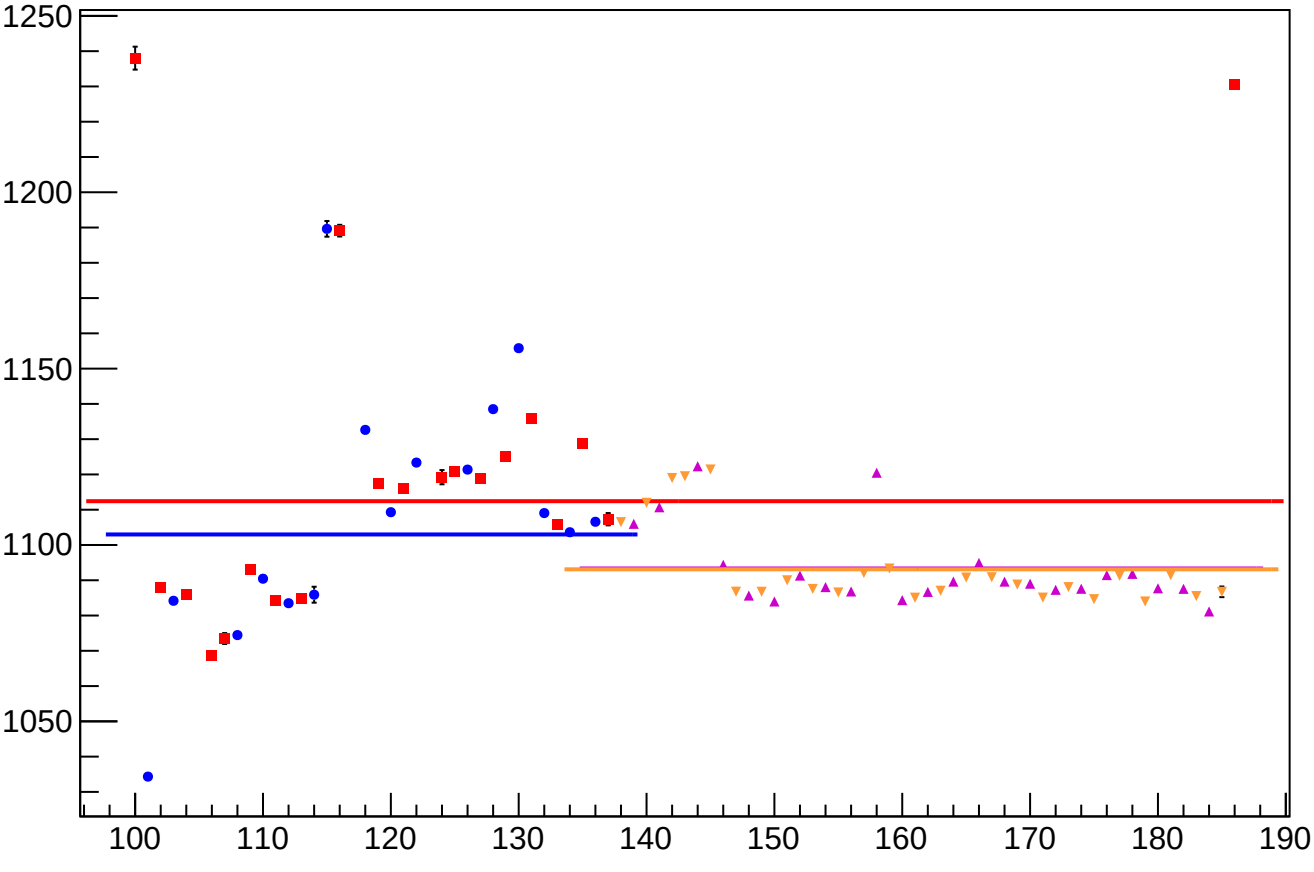
Right: 2393.486+/-284.441 χ^2/NDF: 23.6/35

In: 2450.407+/-216.686 χ^2/NDF:39.7/38

Out: 2088.753+/-210.233 χ^2/NDF:26.4/44

All: 2264.115+/-150.887 χ^2/NDF: 67.6/83

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

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

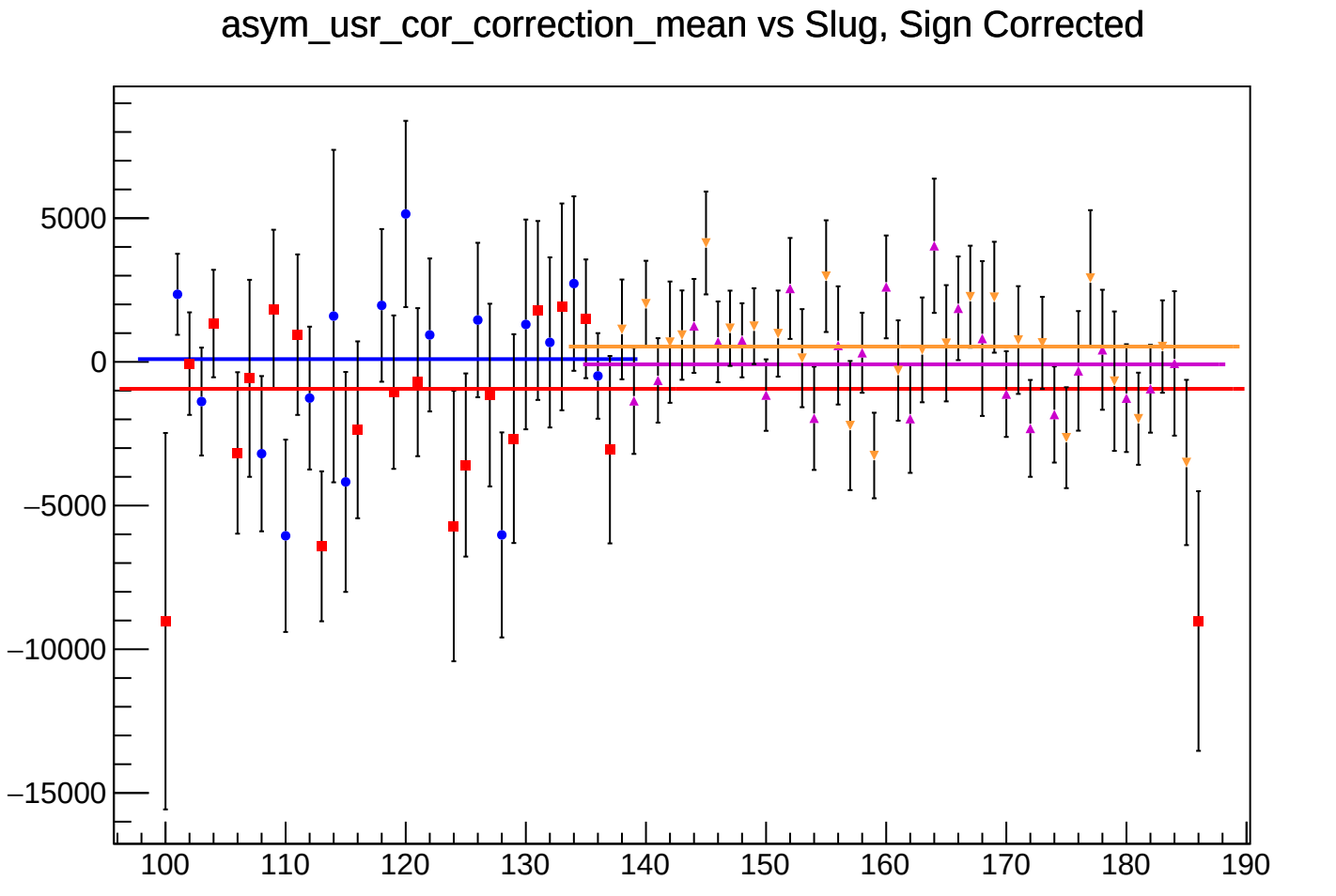
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1107.876+/-0.201 χ^2/NDF: 30407.1/35

In: 1096.036+/-0.153 χ^2/NDF:17748.3/38

Out: 1098.572+/-0.149 χ^2/NDF:24044.6/44

All: 1097.342+/-0.107 χ^2/NDF: 41934.0/83



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

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

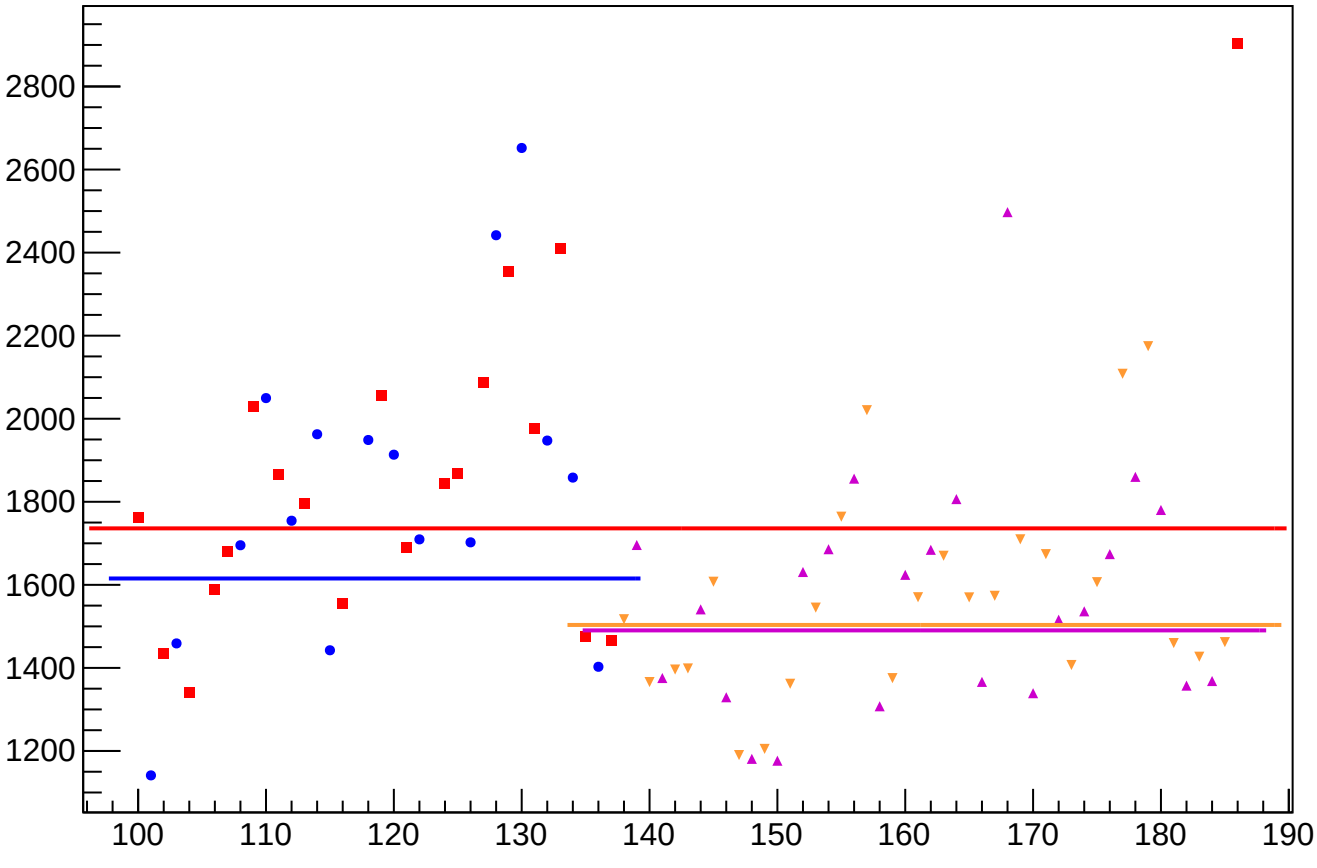
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -410.379+/-441.458 χ^2/NDF: 36.6/35

In: -40.565+/-307.142 χ^2/NDF:35.0/38

Out: 190.954+/-304.176 χ^2/NDF:48.9/44

All: 76.318+/-216.126 χ^2/NDF: 84.3/83



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

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

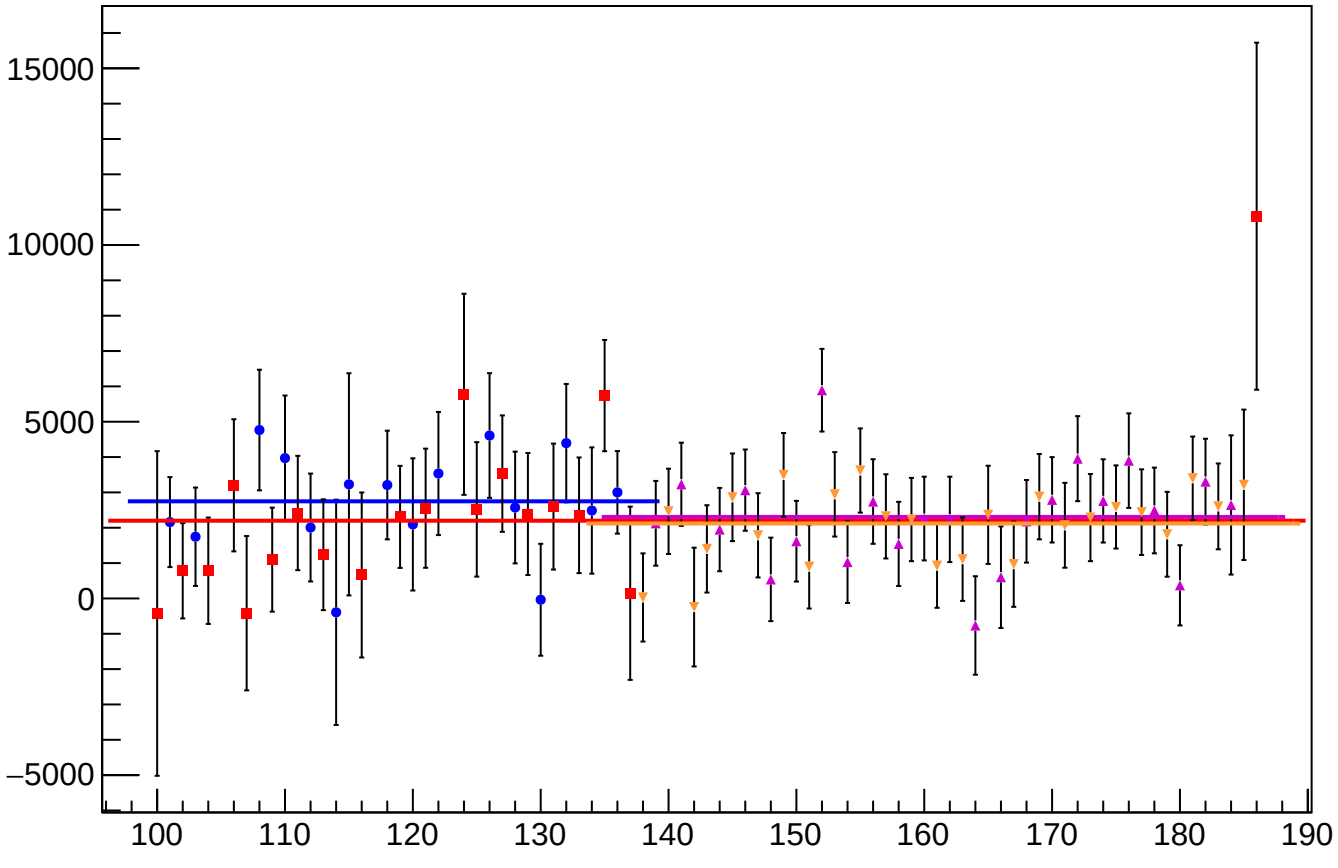
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1674.429+/-0.312 χ^2/NDF: 1294989.6/35

In: 1521.181+/-0.217 χ^2/NDF:1723452.0/38

Out: 1557.522+/-0.215 χ^2/NDF:1572330.8/44

All: 1539.528+/-0.153 χ^2/NDF: 3309918.5/83



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

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

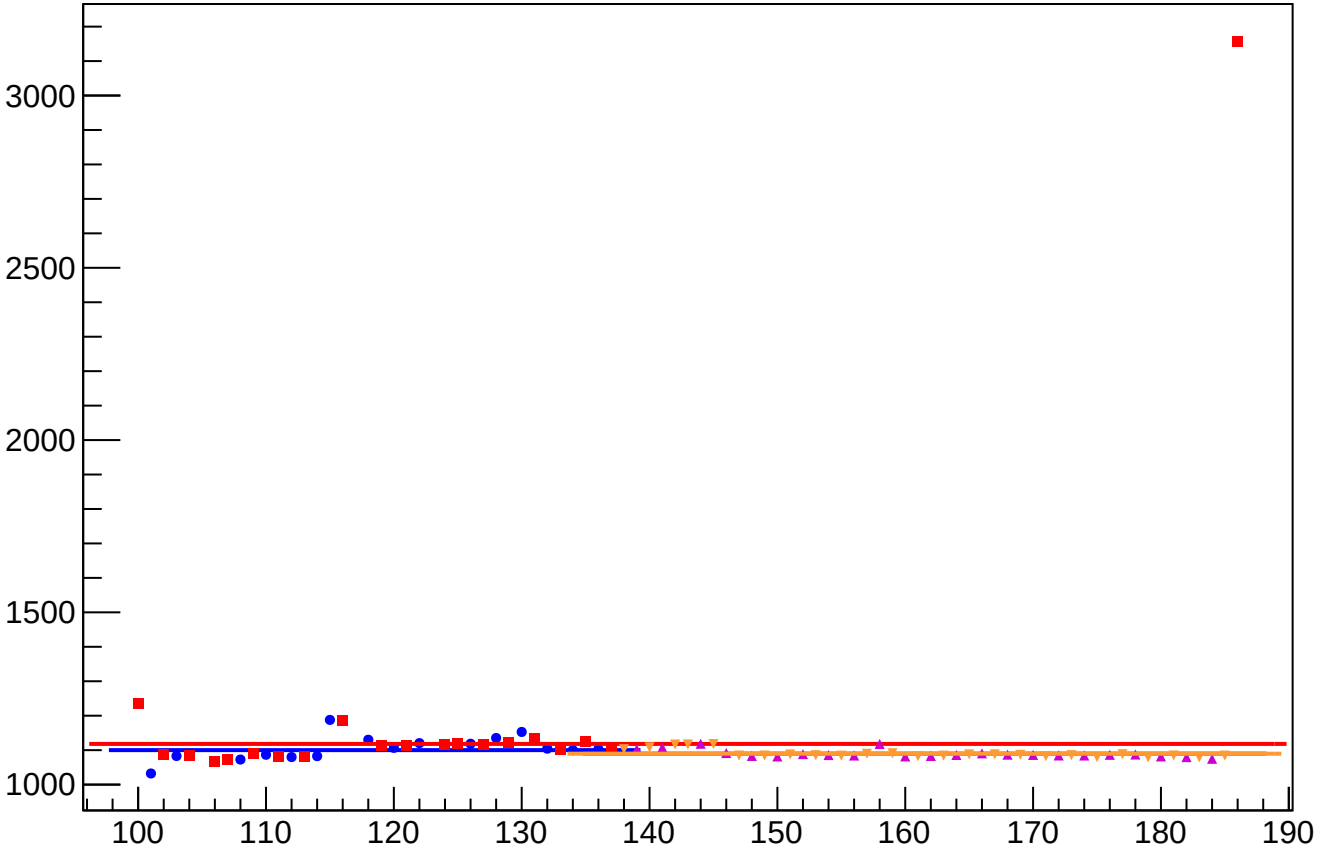
Right: 2468.587+/-286.414 χ^2/NDF: 27.1/35

In: 2429.033+/-216.045 χ^2/NDF:38.8/38

Out: 2141.786+/-210.705 χ^2/NDF:31.8/44

All: 2281.815+/-150.843 χ^2/NDF: 71.5/83

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

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

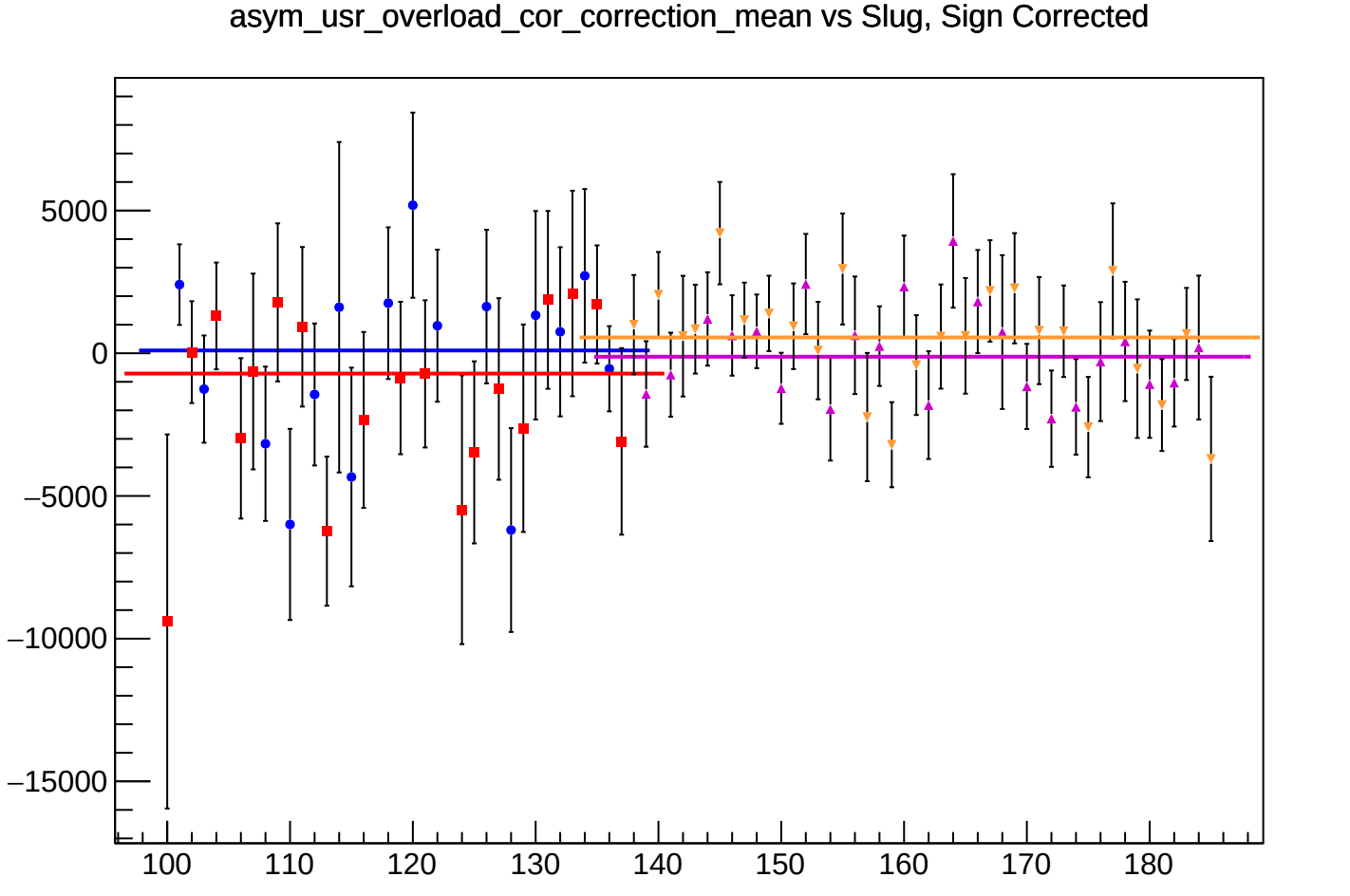
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1109.265+/-0.203 χ^2/NDF: 370353.4/35

In: 1092.793+/-0.153 χ^2/NDF:17857.6/38

Out: 1097.560+/-0.149 χ^2/NDF:366591.8/44

All: 1095.236+/-0.107 χ^2/NDF: 384948.4/83



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

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

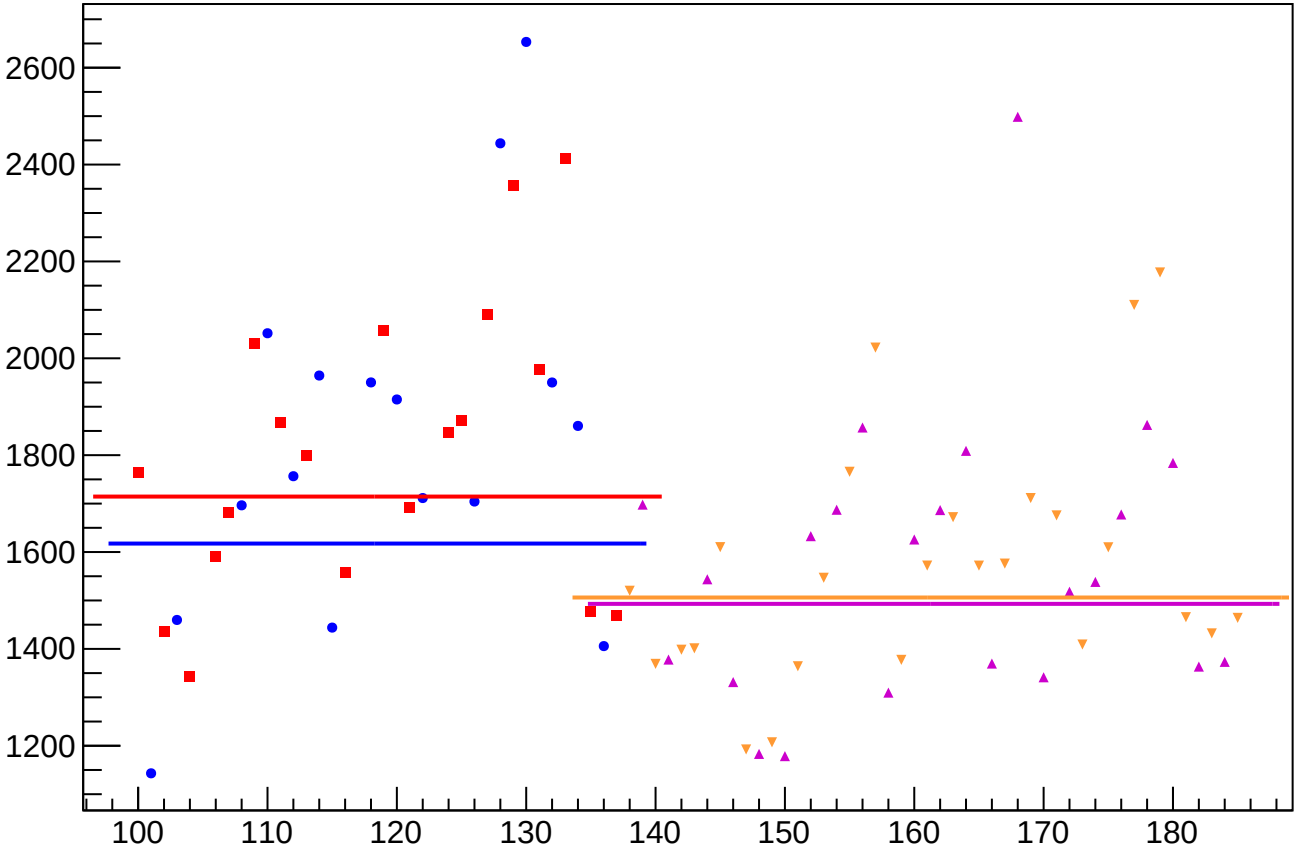
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -67.342+/-307.635 χ^2/NDF:34.4/38

Out: 263.637+/-305.335 χ^2/NDF:44.1/43

All: 99.389+/-216.713 χ^2/NDF: 79.1/82

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

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

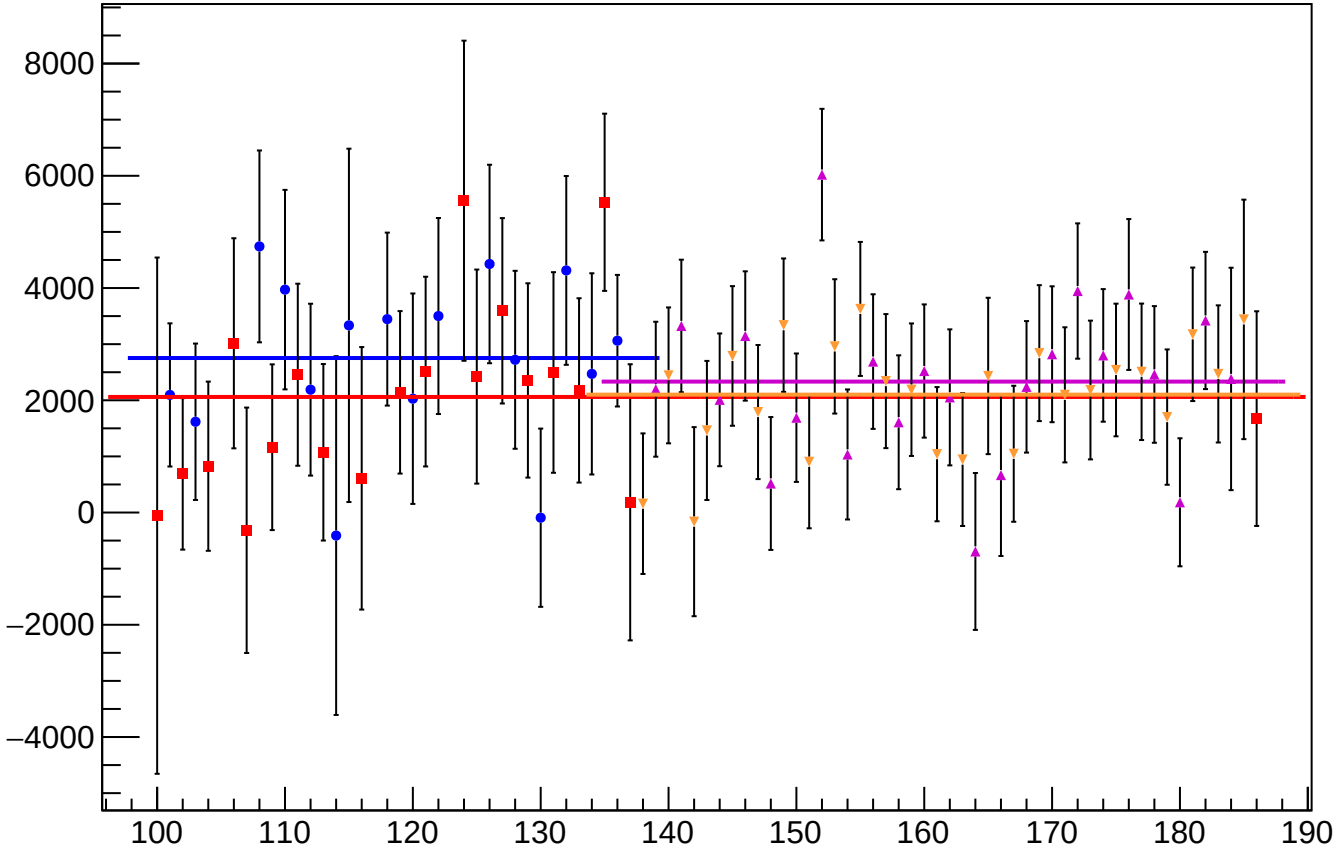
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1523.743+/-0.218 χ^2/NDF:1717037.7/38

Out: 1553.898+/-0.216 χ^2/NDF:1388787.5/43

All: 1538.934+/-0.153 χ^2/NDF: 3115505.6/82

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

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

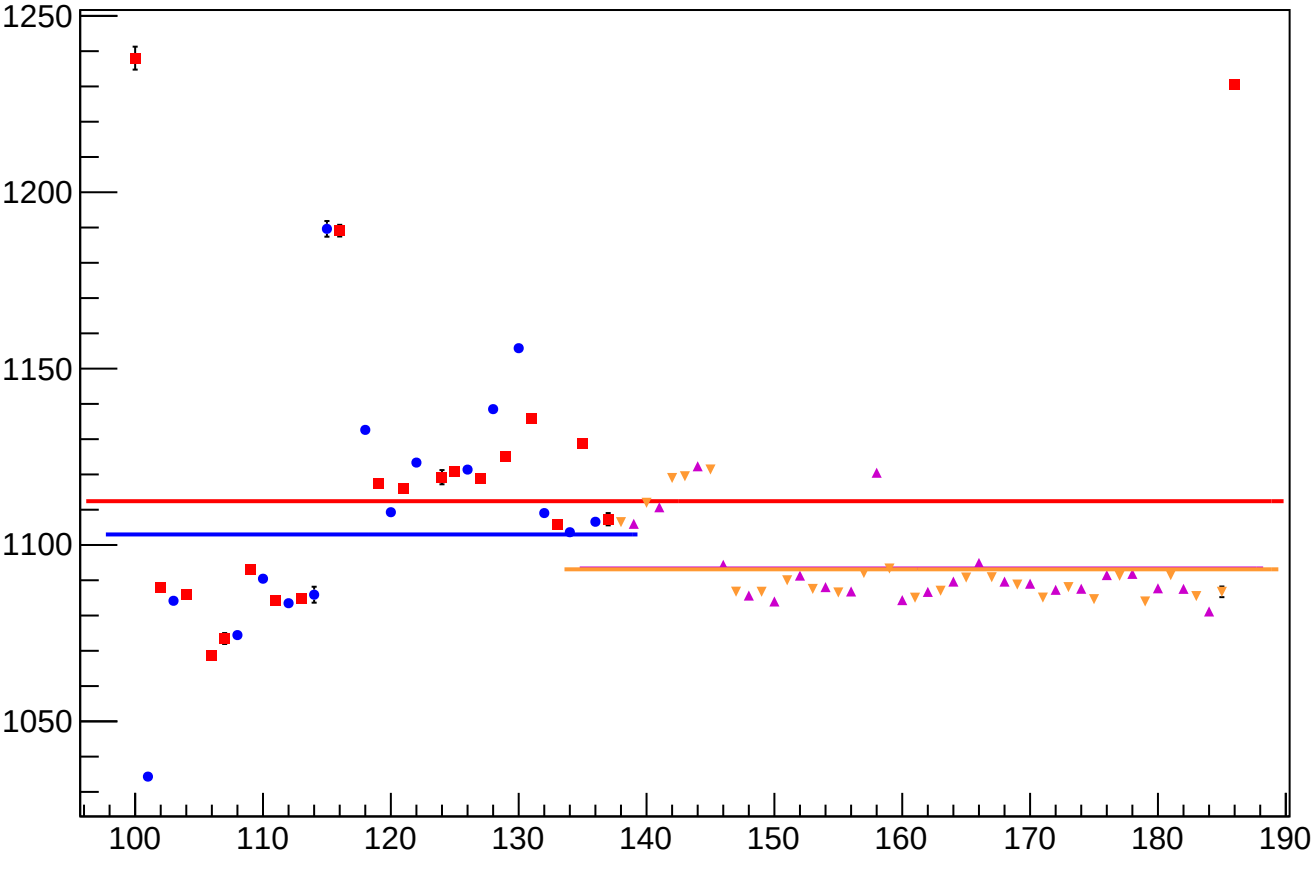
Right: 2393.486+/-284.441 χ^2/NDF: 23.6/35

In: 2450.407+/-216.686 χ^2/NDF:39.7/38

Out: 2088.753+/-210.233 χ^2/NDF:26.4/44

All: 2264.115+/-150.887 χ^2/NDF: 67.6/83

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

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

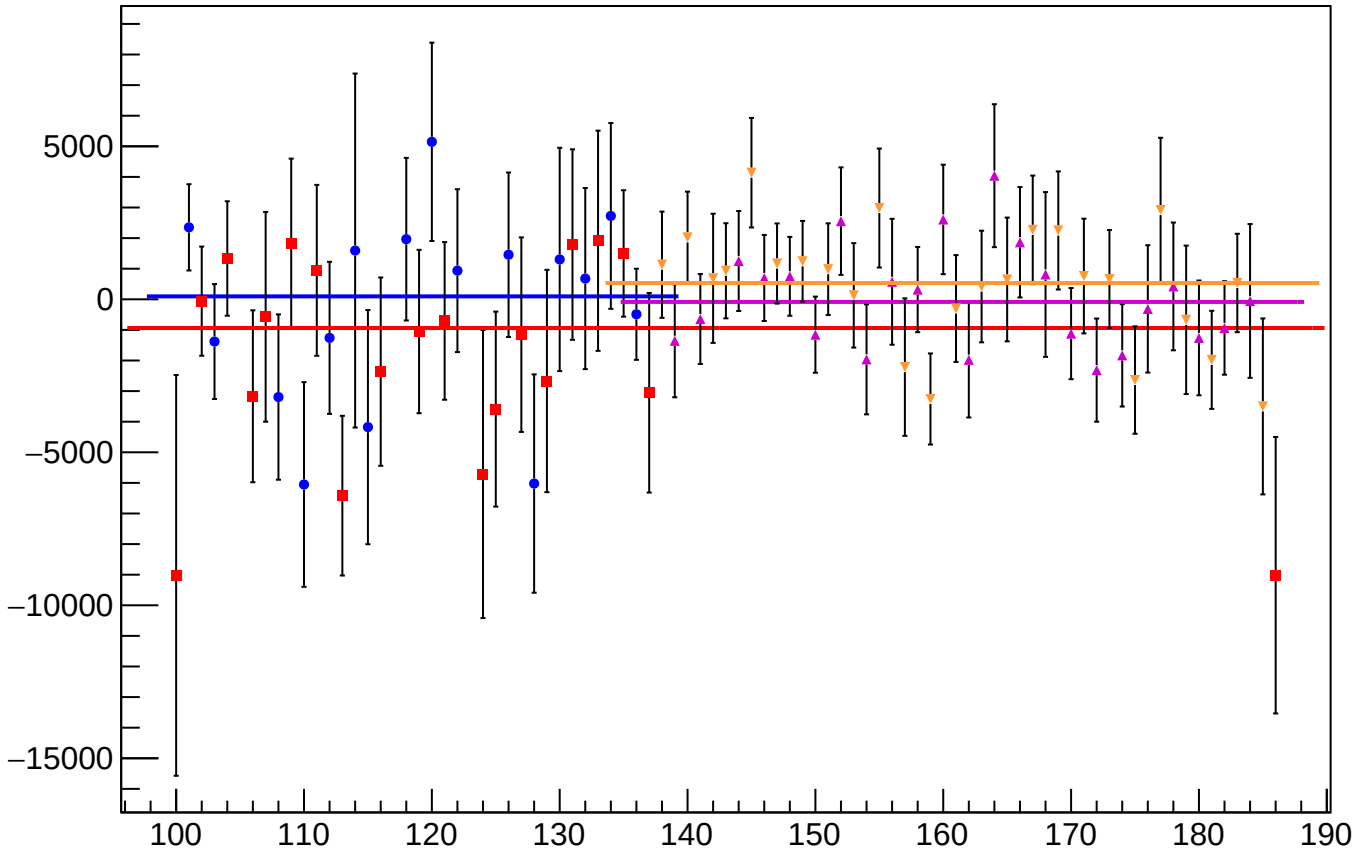
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1107.876+/-0.201 χ^2/NDF: 30407.1/35

In: 1096.036+/-0.153 χ^2/NDF:17748.3/38

Out: 1098.572+/-0.149 χ^2/NDF:24044.6/44

All: 1097.342+/-0.107 χ^2/NDF: 41934.0/83



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

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

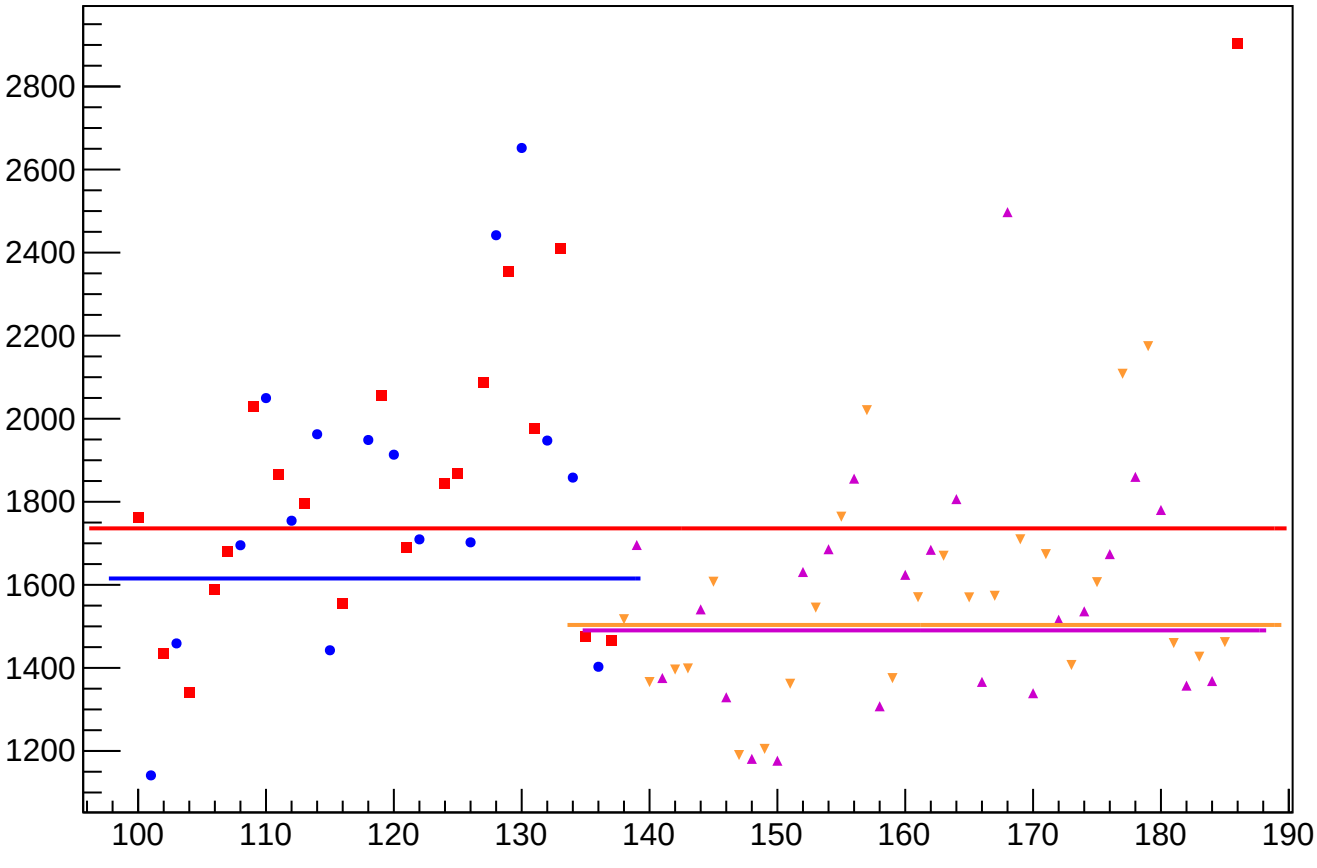
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -410.379+/-441.458 χ^2/NDF: 36.6/35

In: -40.565+/-307.142 χ^2/NDF:35.0/38

Out: 190.954+/-304.176 χ^2/NDF:48.9/44

All: 76.318+/-216.126 χ^2/NDF: 84.3/83



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

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

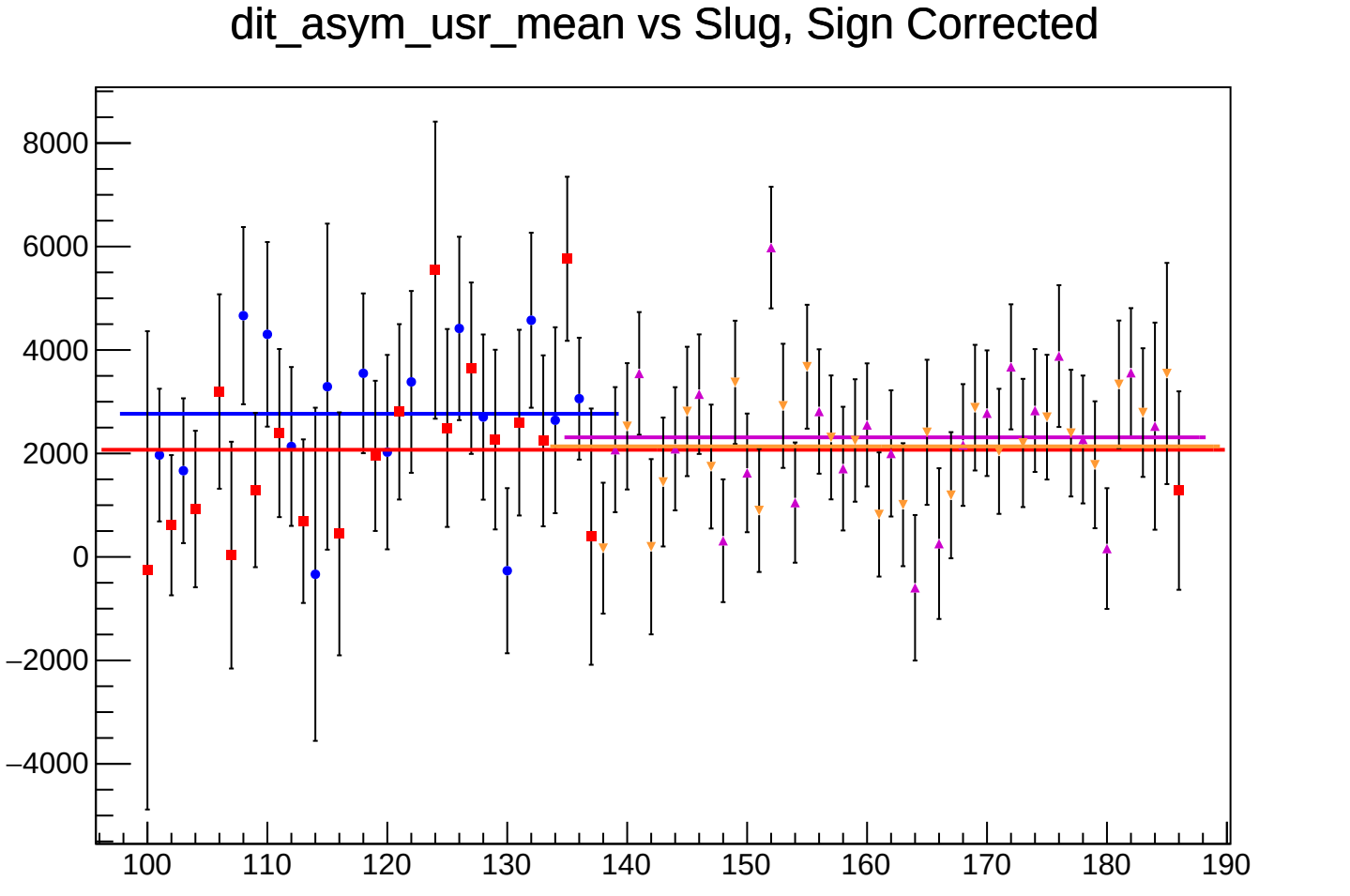
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1674.429+/-0.312 χ^2/NDF: 1294989.6/35

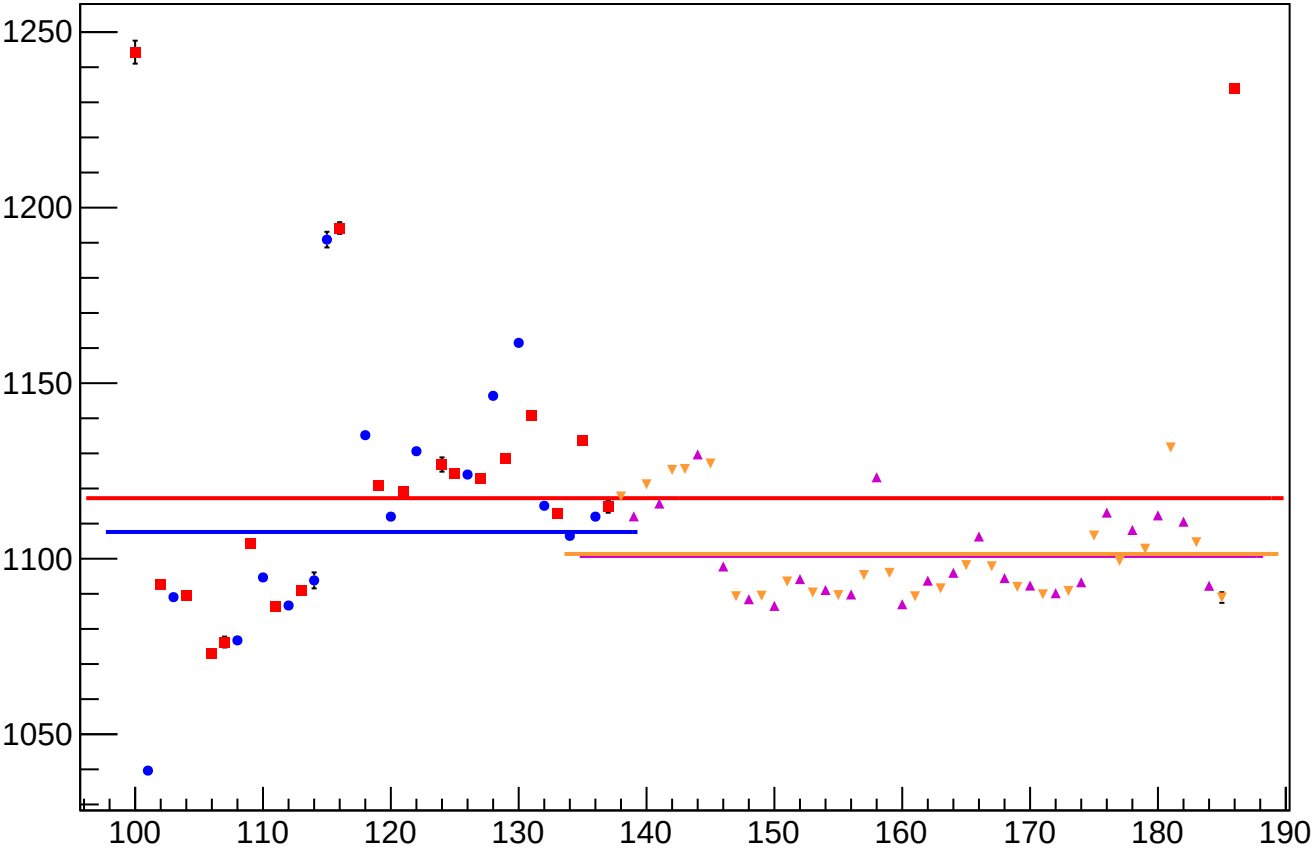
In: 1521.181+/-0.217 χ^2/NDF:1723452.0/38

Out: 1557.522+/-0.215 χ^2/NDF:1572330.8/44

All: 1539.528+/-0.153 χ^2/NDF: 3309918.5/83


dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 2137.184+/-250.195 χ²/NDF:13.9/24
Right Out: 2071.103+/-396.813 χ²/NDF: 13.5/19
Left In: 2311.761+/-257.036 χ²/NDF:29.9/22
Left: 2222.119+/-179.284 χ²/NDF: 44.1/47
Right: 2406.193+/-285.661 χ²/NDF: 25.3/35
In: 2439.404+/-218.011 χ²/NDF:41.1/38
Out: 2118.387+/-211.639 χ²/NDF:27.5/44
All: 2274.135+/-151.854 χ²/NDF: 69.7/83

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

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

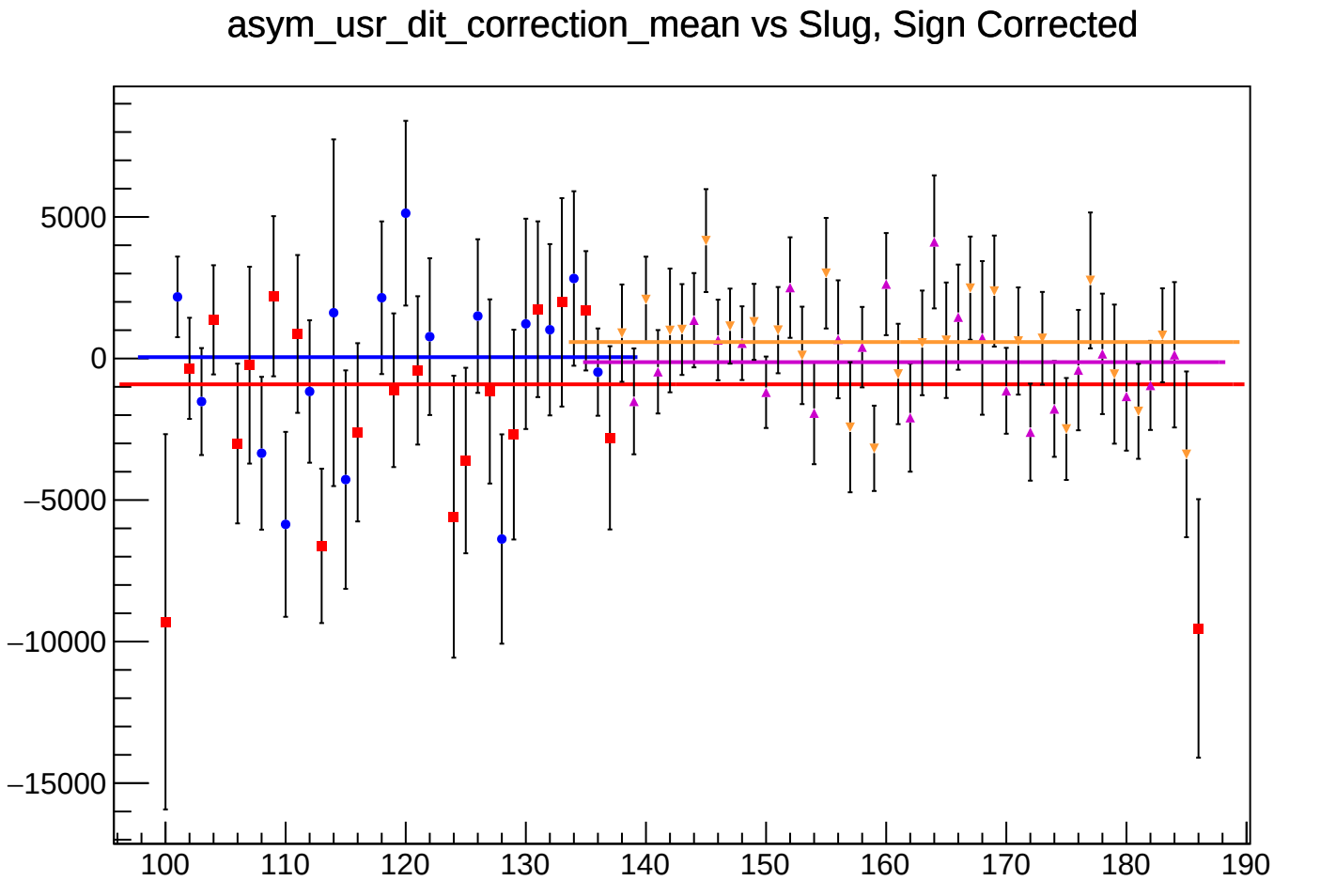
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1112.606+/-0.202 χ^2/NDF: 30177.1/35

In: 1102.706+/-0.154 χ^2/NDF:18257.7/38

Out: 1105.874+/-0.150 χ^2/NDF:24634.9/44

All: 1104.337+/-0.107 χ^2/NDF: 43110.0/83



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

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

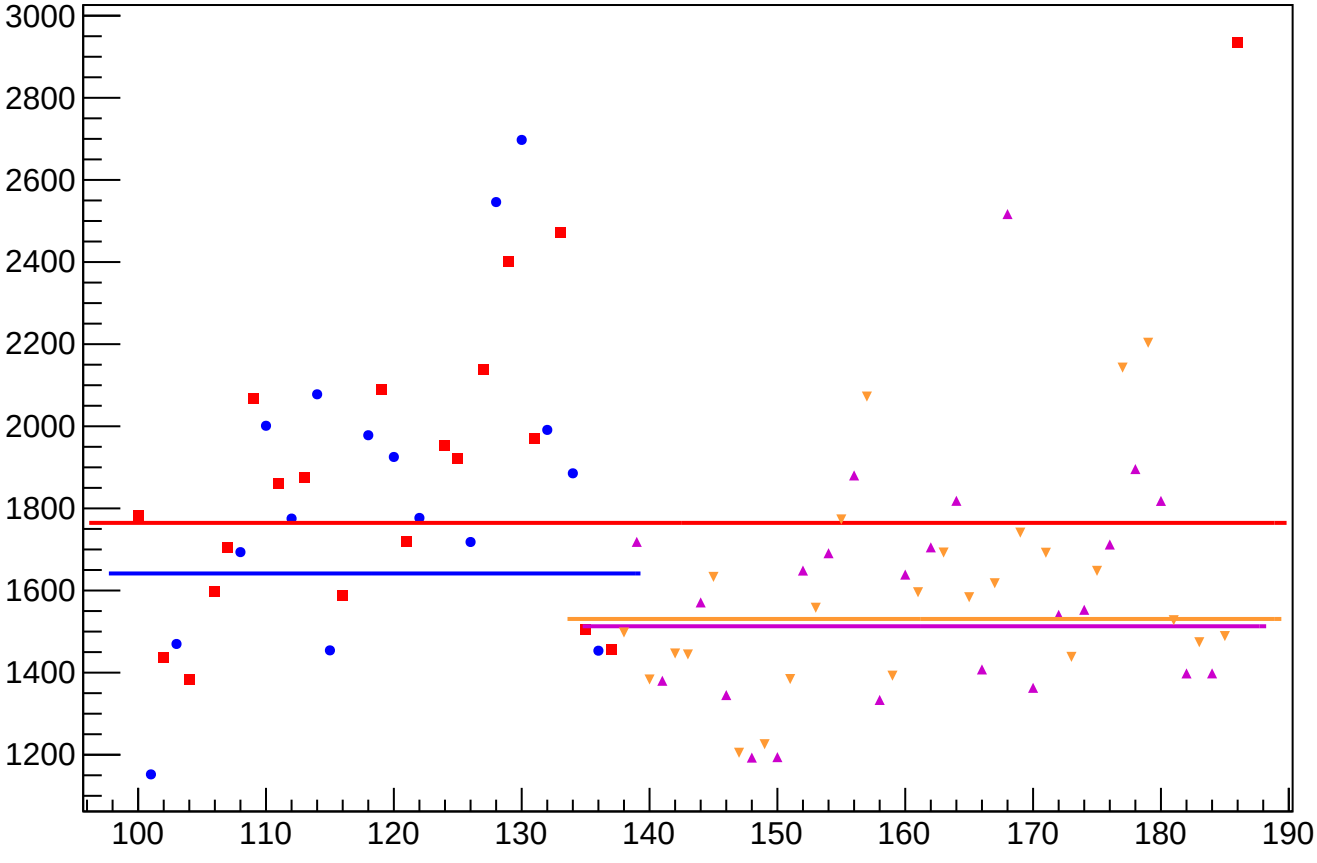
Right: -421.937+/-448.737 χ^2/NDF: 36.6/35

In: -85.259+/-311.760 χ^2/NDF:34.8/38

Out: 233.670+/-309.515 χ^2/NDF:48.1/44

All: 75.358+/-219.650 χ^2/NDF: 83.4/83

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

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

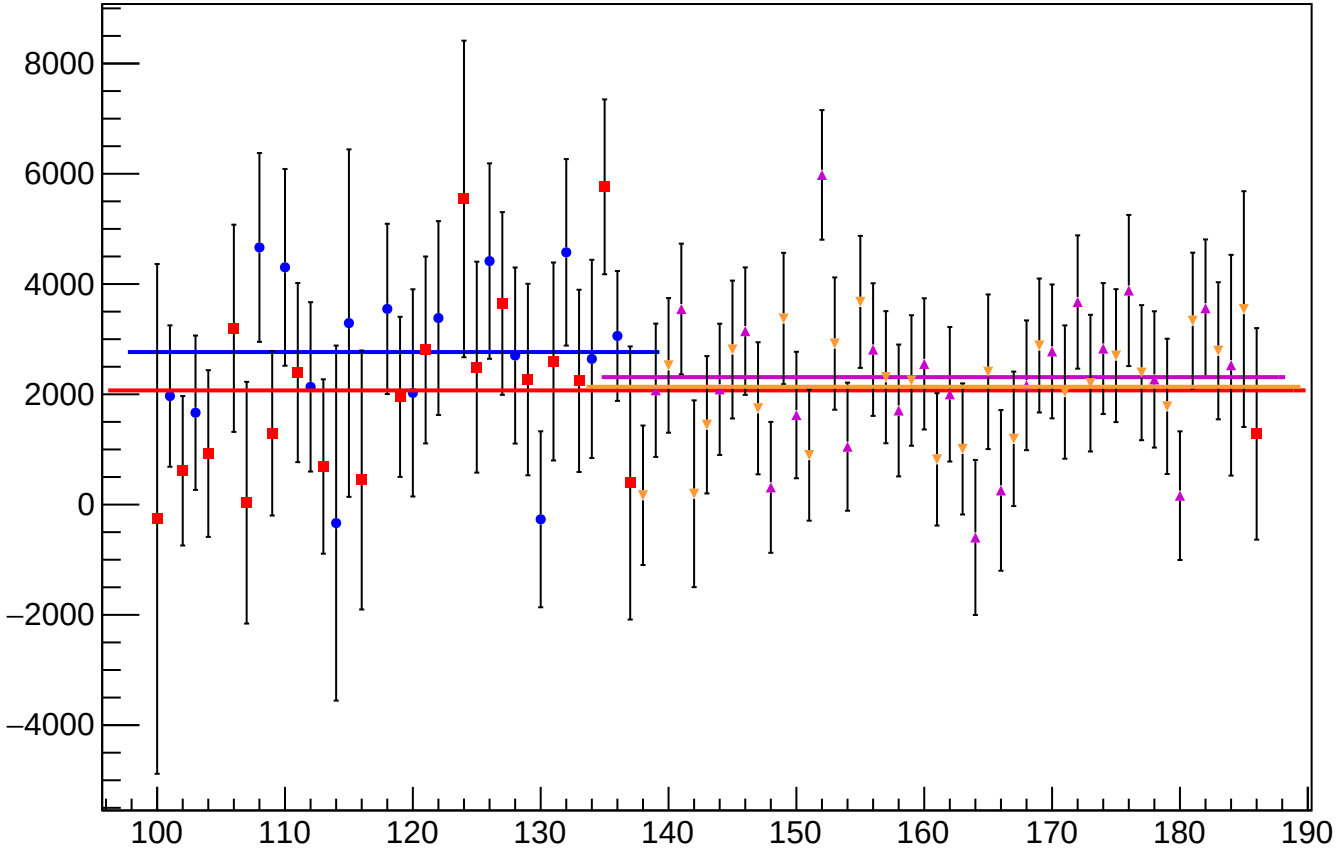
Right: 1701.845+/-0.317 χ^2/NDF: 1311058.0/35

In: 1544.632+/-0.220 χ^2/NDF:1721552.3/38

Out: 1585.253+/-0.219 χ^2/NDF:1571882.5/44

All: 1565.089+/-0.155 χ^2/NDF: 3310535.1/83

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

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

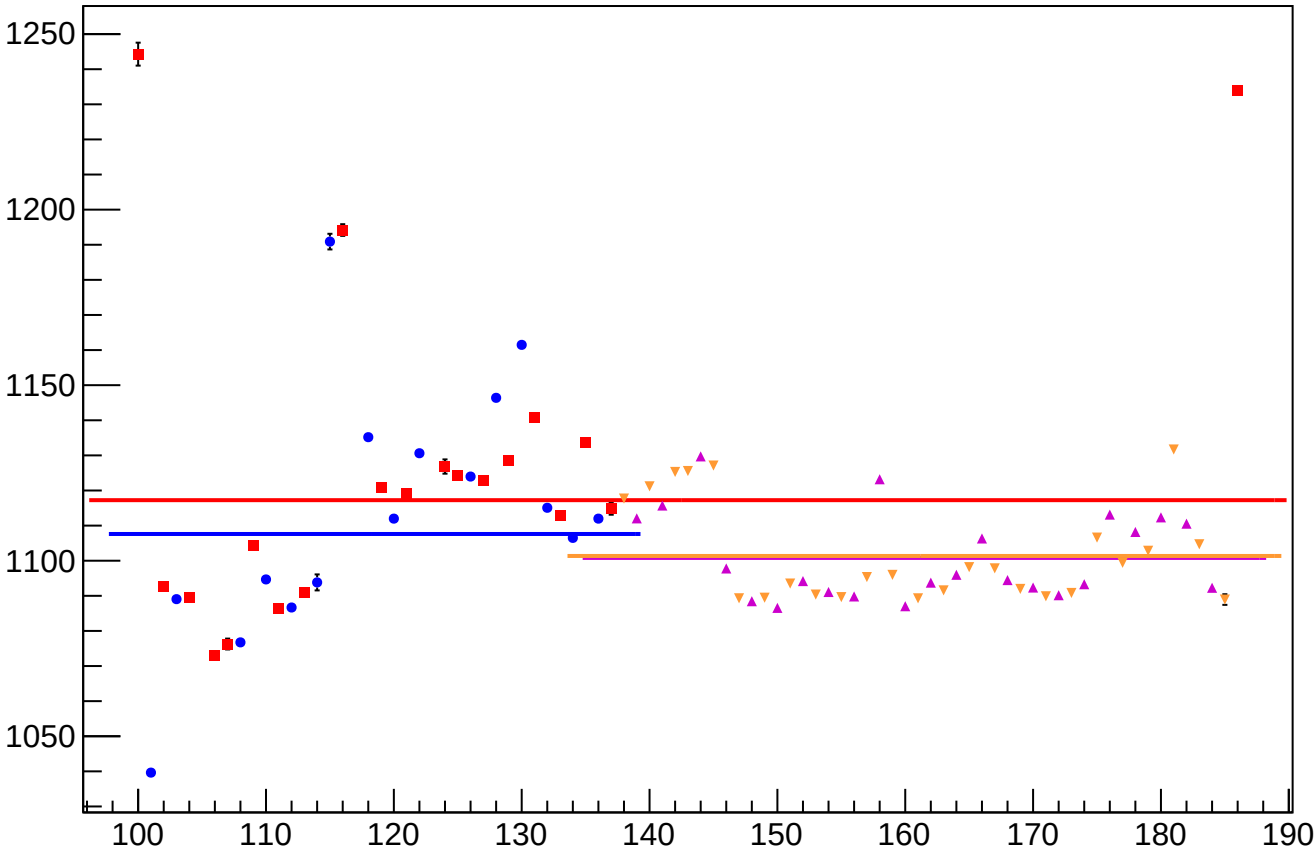
Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

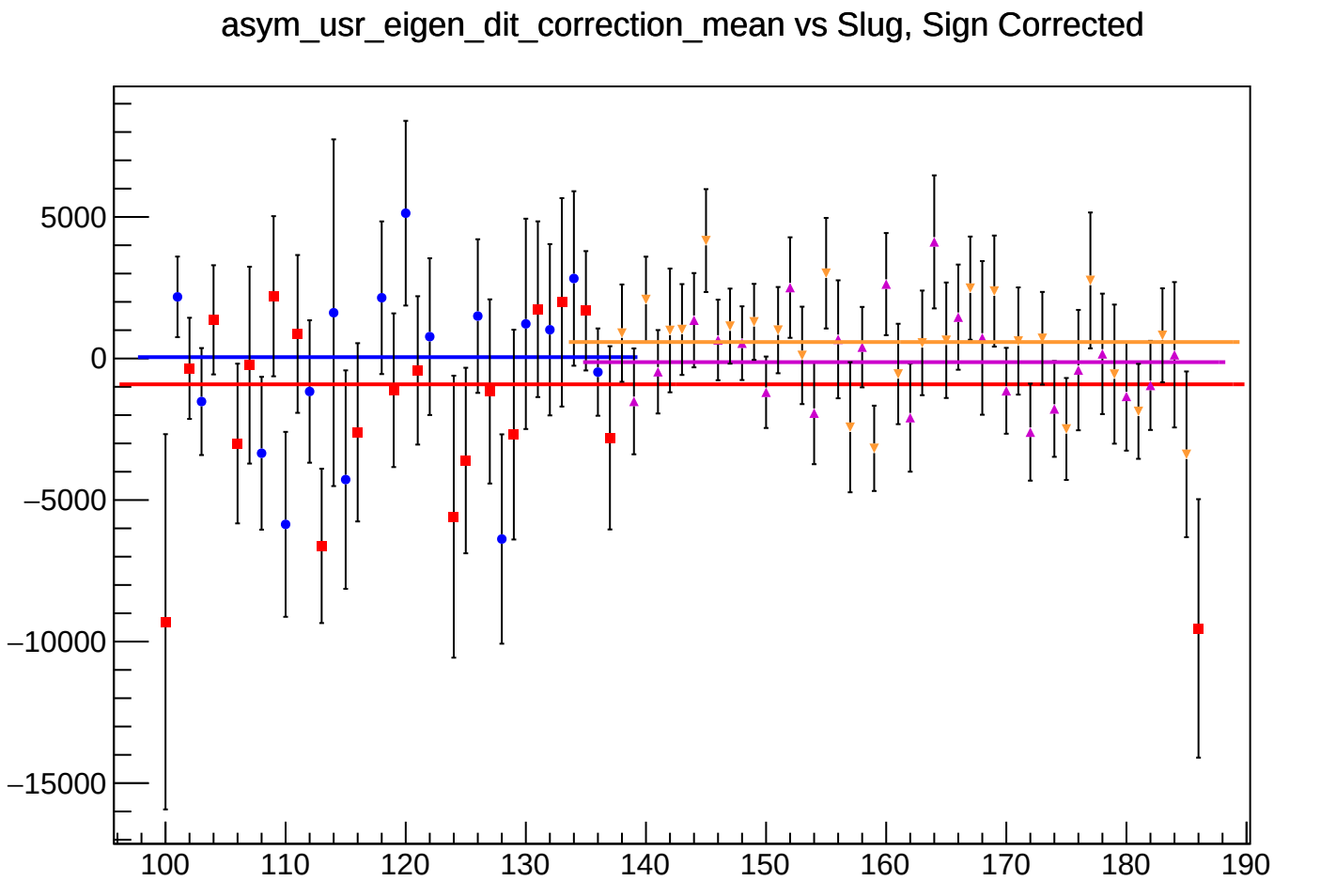
Right: 2406.194+/-285.661 χ^2/NDF: 25.3/35

In: 2439.404+/-218.011 χ^2/NDF:41.1/38

Out: 2118.386+/-211.639 χ^2/NDF:27.5/44

All: 2274.135+/-151.854 χ^2/NDF: 69.7/83


eigen_dit_asym_usr_rms vs Slug, Sign Corrected
1250
1200
1150
1100
1050
100
110
120
130
140
150
160
170
180
190
Right In: 1107.613+/-0.291 χ²/NDF: 13220.7/15
Left Out: 1101.353+/-0.177 χ²/NDF:5950.6/24
Right Out: 1117.247+/-0.281 χ²/NDF: 16388.4/19
Left In: 1100.792+/-0.182 χ²/NDF:4641.7/22
Left: 1101.081+/-0.127 χ²/NDF: 10597.2/47
Right: 1112.606+/-0.202 χ²/NDF: 30177.0/35
In: 1102.706+/-0.154 χ²/NDF:18257.6/38
Out: 1105.874+/-0.150 χ²/NDF:24634.8/44
All: 1104.337+/-0.107 χ²/NDF: 43109.8/83



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

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

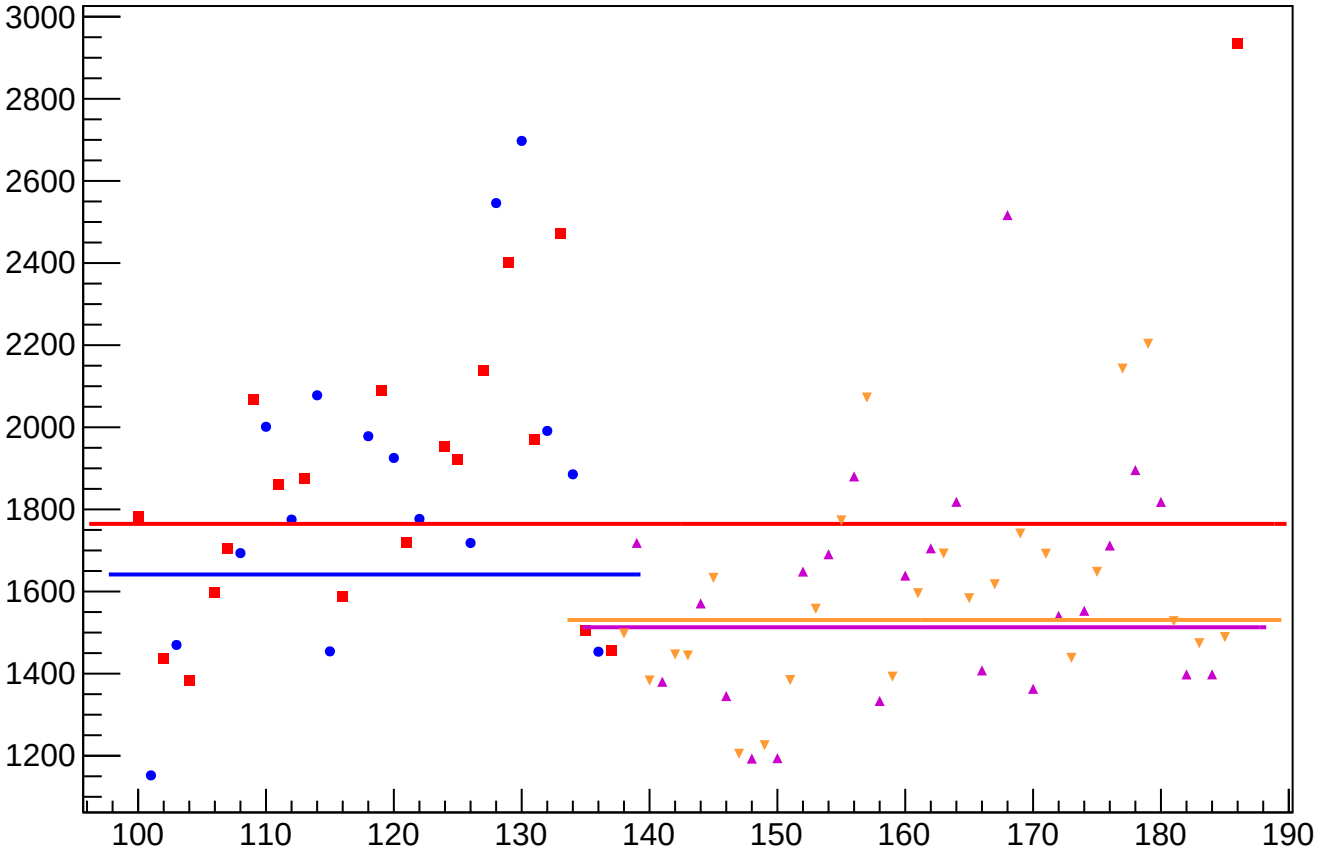
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -421.941+/-448.737 χ^2/NDF: 36.6/35

In: -85.259+/-311.761 χ^2/NDF:34.8/38

Out: 233.666+/-309.516 χ^2/NDF:48.1/44

All: 75.356+/-219.650 χ^2/NDF: 83.4/83



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

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

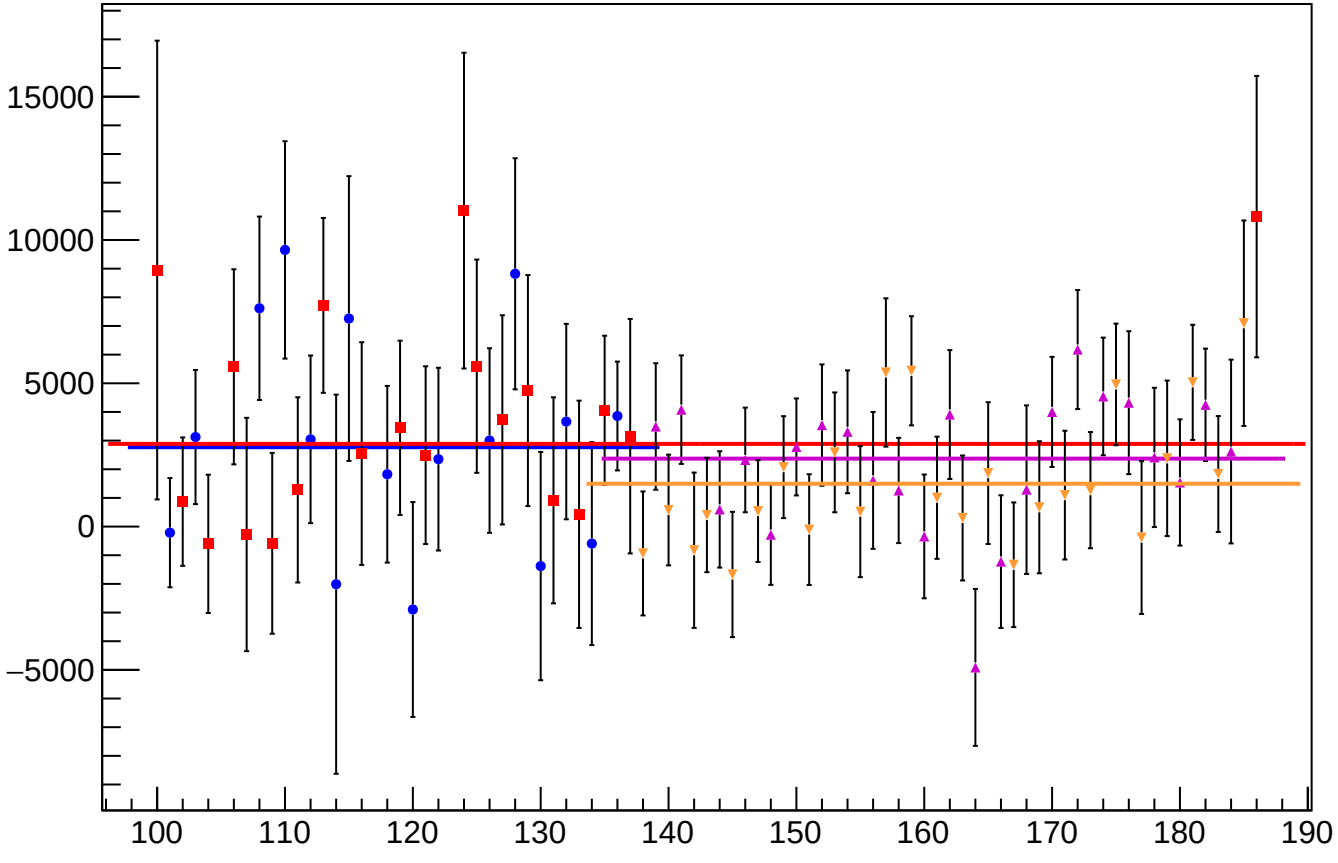
Right: 1701.843+/-0.317 χ^2/NDF: 1311033.9/35

In: 1544.634+/-0.220 χ^2/NDF:1721540.2/38

Out: 1585.256+/-0.219 χ^2/NDF:1571865.1/44

All: 1565.092+/-0.155 χ^2/NDF: 3310506.0/83

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

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

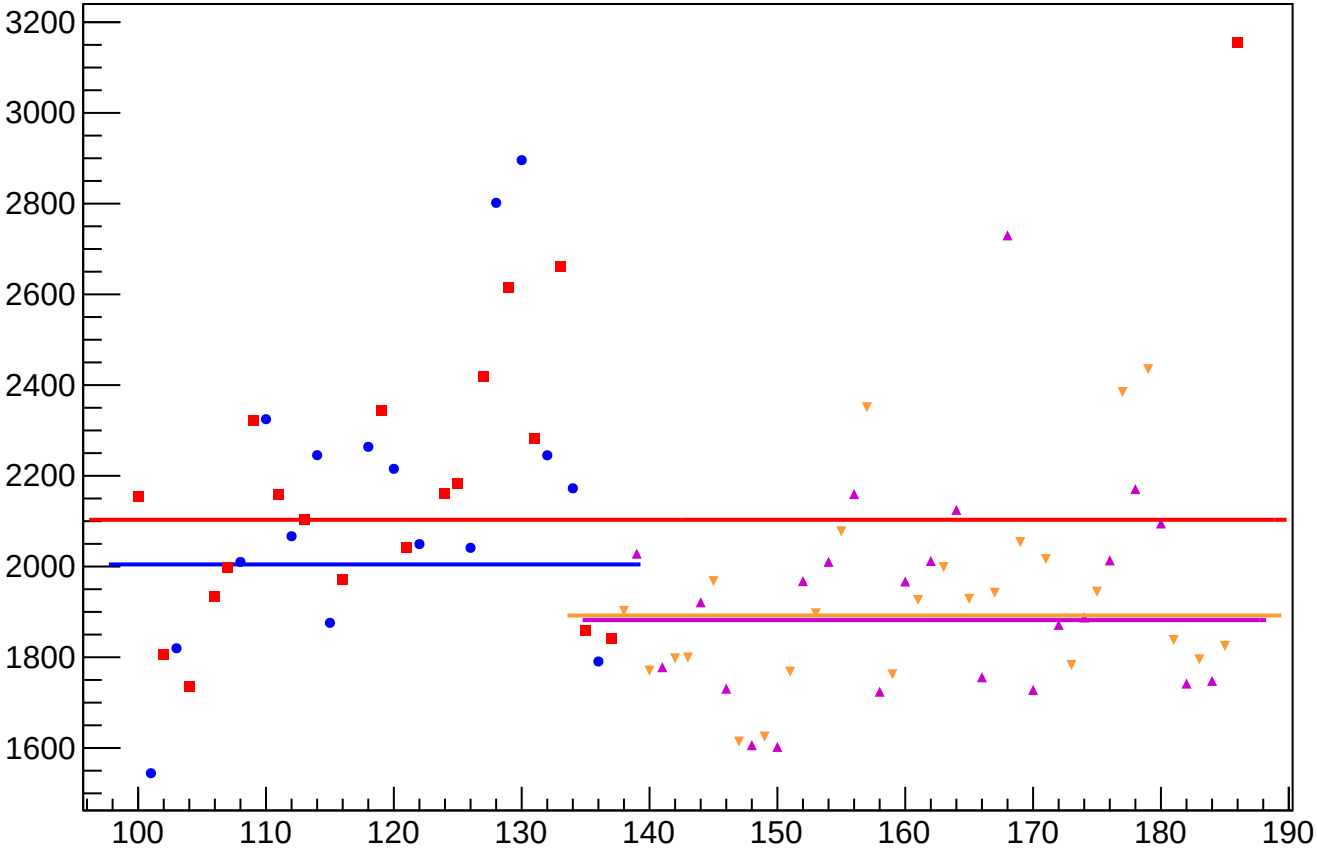
Right: 2827.759+/-535.180 χ^2/NDF: 31.7/35

In: 2472.507+/-382.326 χ^2/NDF:40.4/38

Out: 1838.303+/-375.938 χ^2/NDF:41.5/44

All: 2150.063+/-268.058 χ^2/NDF: 83.3/83

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

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

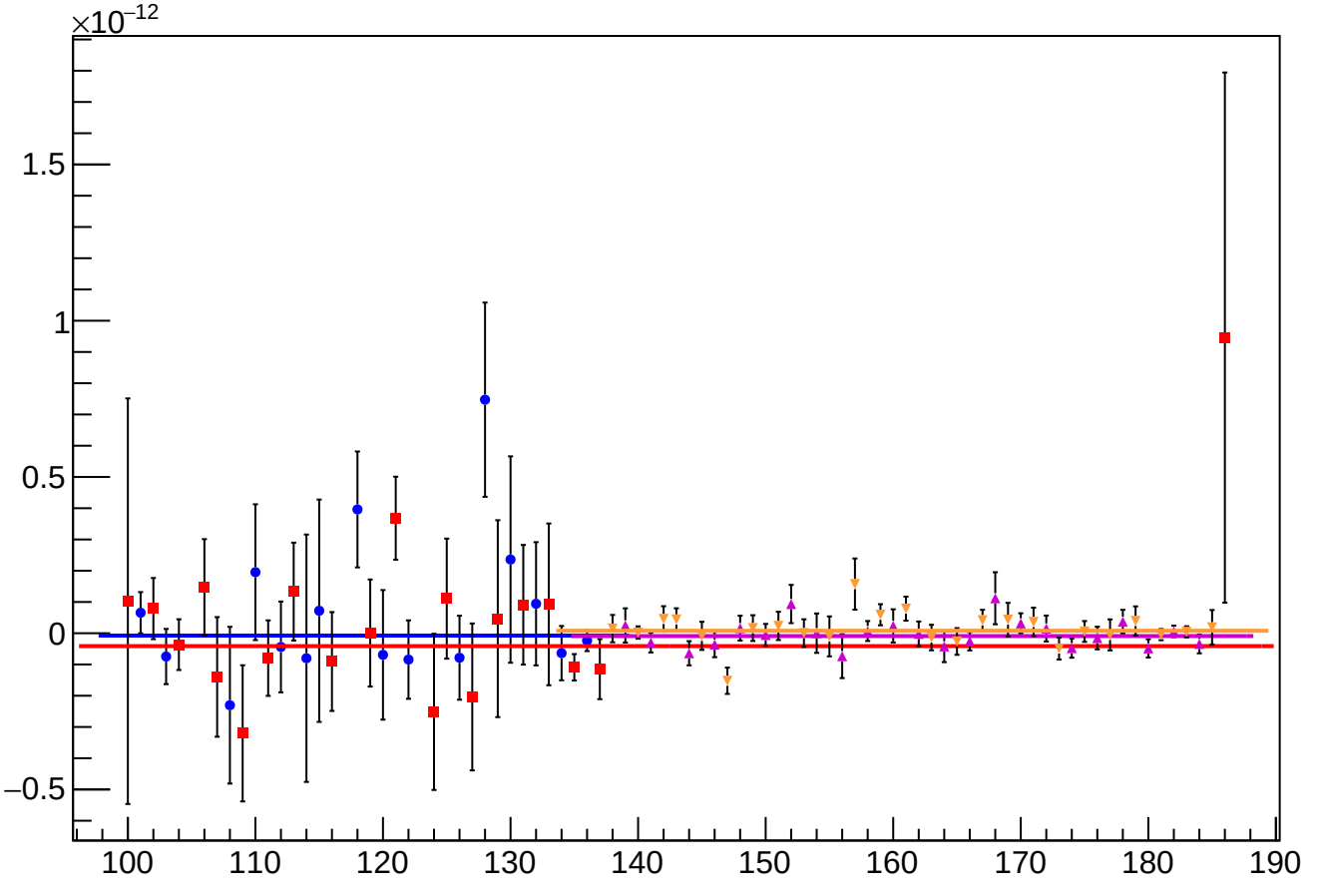
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2053.902+/-0.378 χ^2/NDF: 729135.7/35

In: 1913.192+/-0.270 χ^2/NDF:889388.8/38

Out: 1944.206+/-0.266 χ^2/NDF:831417.7/44

All: 1928.960+/-0.190 χ^2/NDF: 1727497.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

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

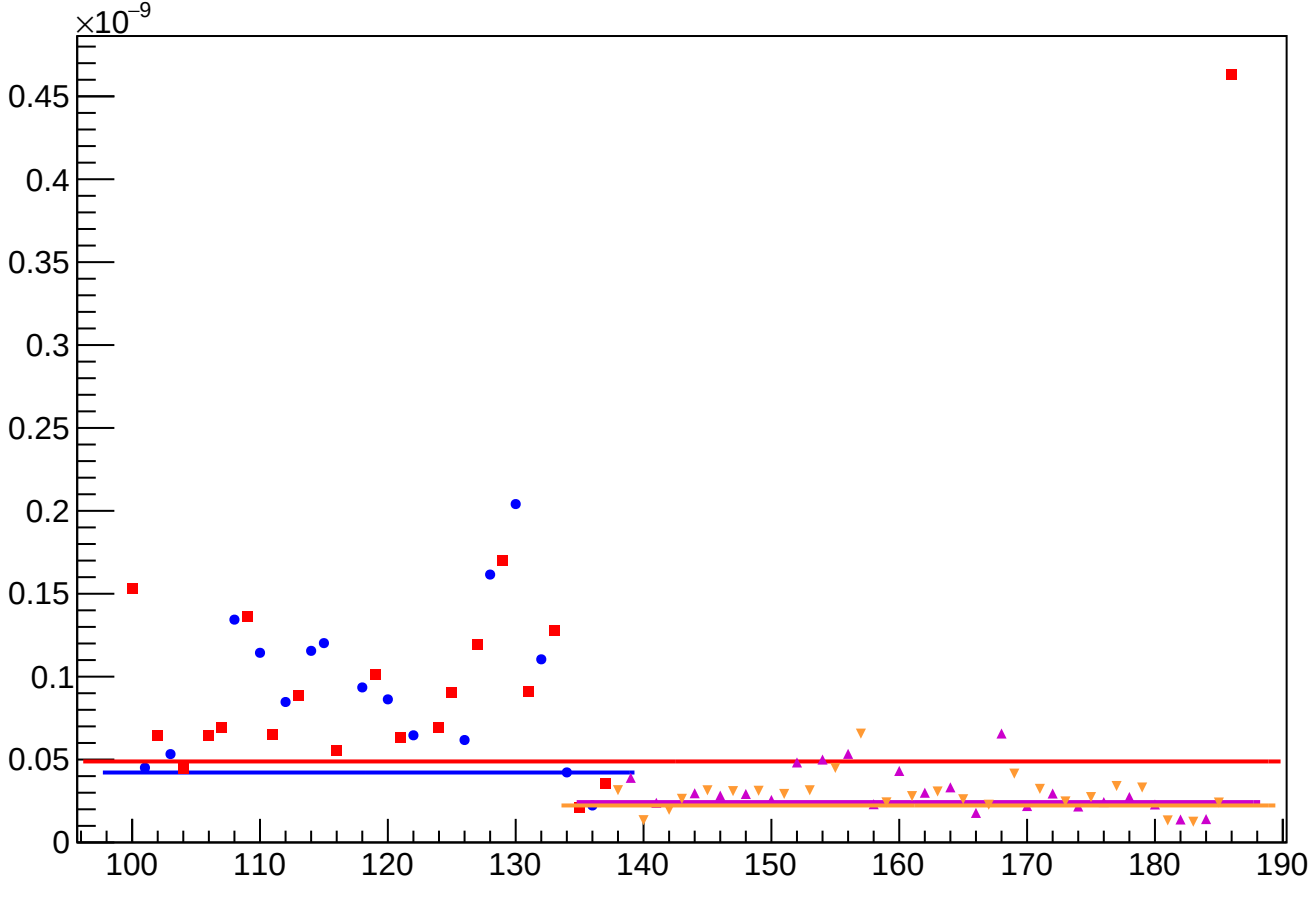
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 40.4/35

In: -0.000+/-0.000 χ^2/NDF:35.5/38

Out: 0.000+/-0.000 χ^2/NDF:58.6/44

All: -0.000+/-0.000 χ^2/NDF: 96.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

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

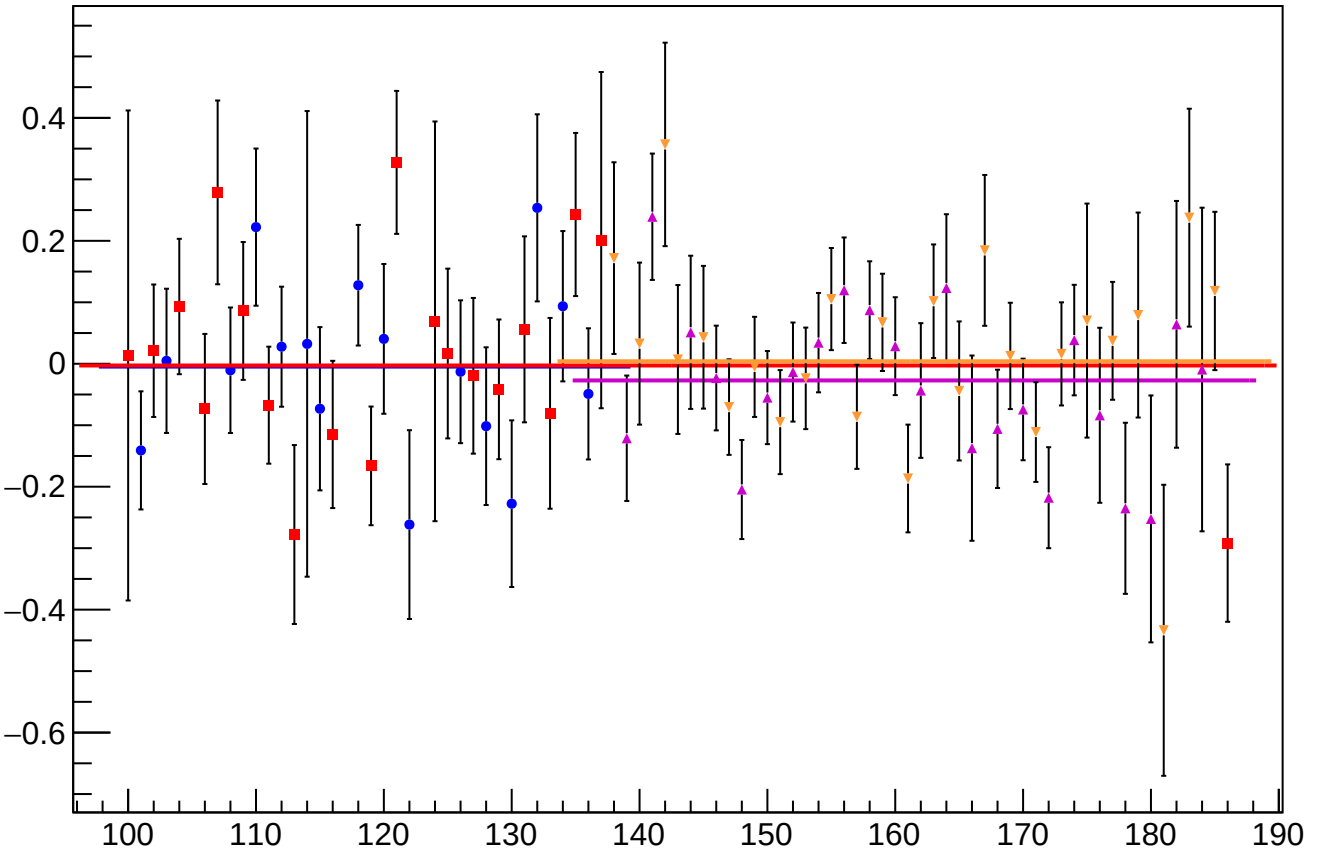
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6083342.5/35

In: 0.000+/-0.000 χ^2/NDF:7042434.3/38

Out: 0.000+/-0.000 χ^2/NDF:8526678.0/44

All: 0.000+/-0.000 χ^2/NDF: 15650254.0/83



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

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

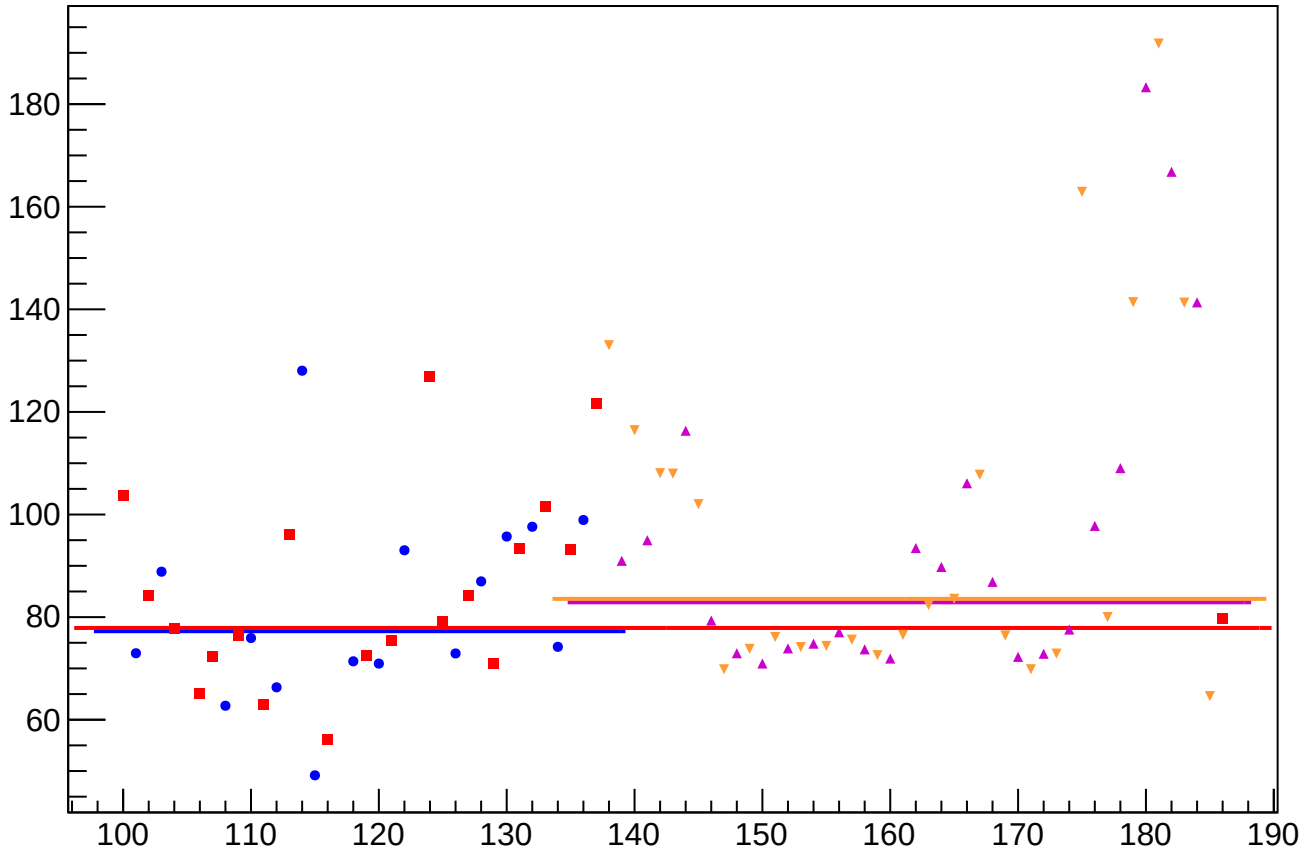
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.1/35

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.002+/-0.017 χ^2/NDF:59.0/44

All: -0.009+/-0.012 χ^2/NDF: 109.5/83



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

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

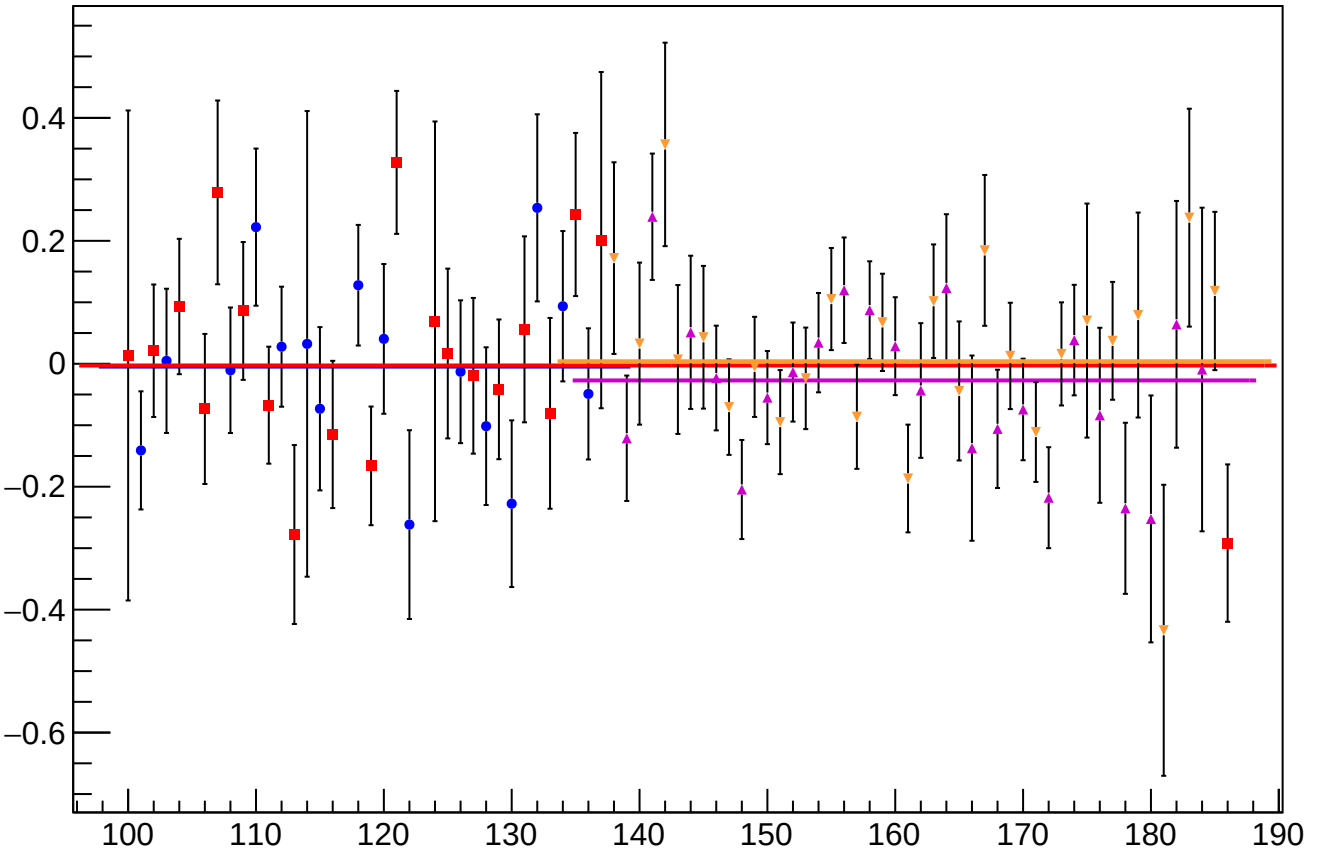
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 77.587+/-0.015 χ^2/NDF: 816637.4/35

In: 81.096+/-0.012 χ^2/NDF:2040158.4/38

Out: 81.695+/-0.012 χ^2/NDF:2621269.0/44

All: 81.402+/-0.008 χ^2/NDF: 4662697.4/83



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

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

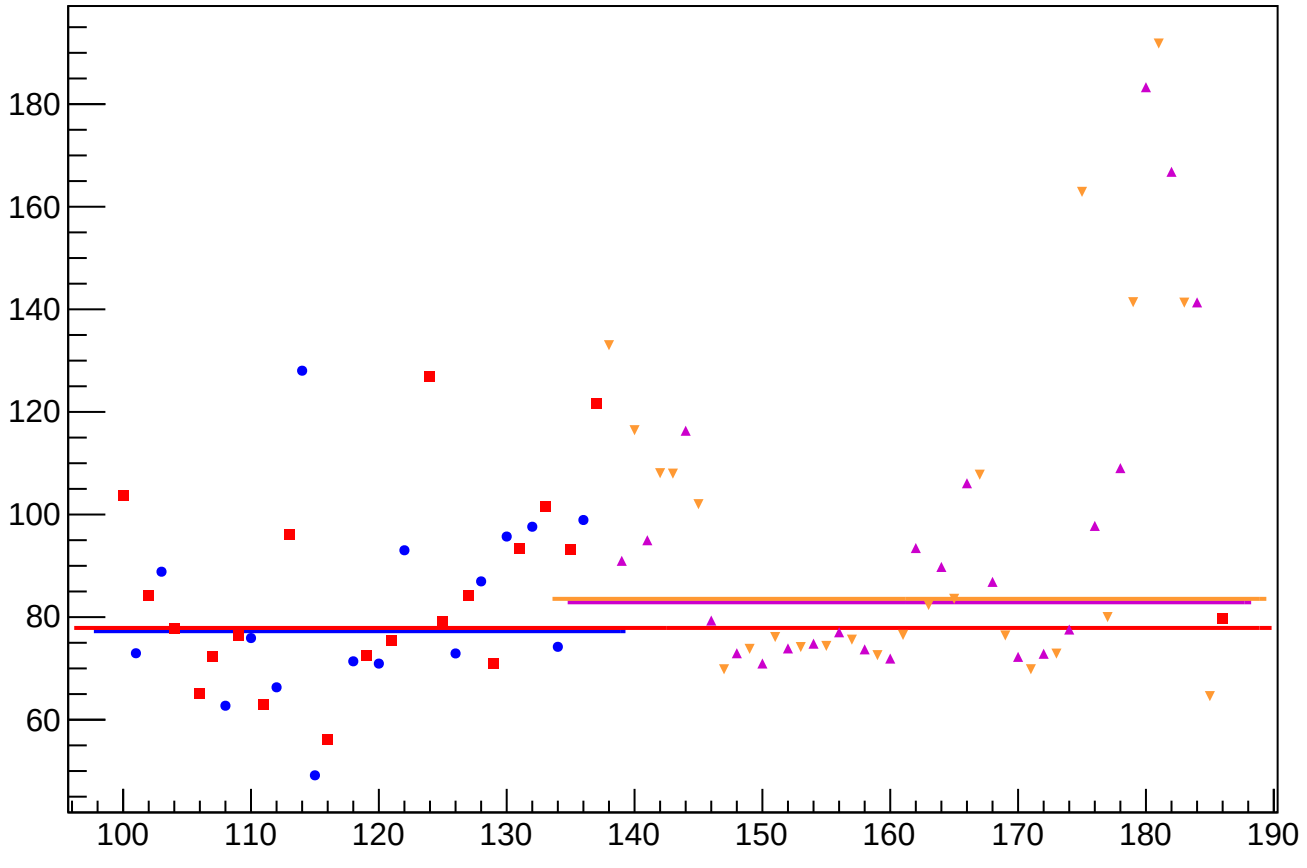
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.1/35

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.002+/-0.017 χ^2/NDF:59.0/44

All: -0.009+/-0.012 χ^2/NDF: 109.5/83



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

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

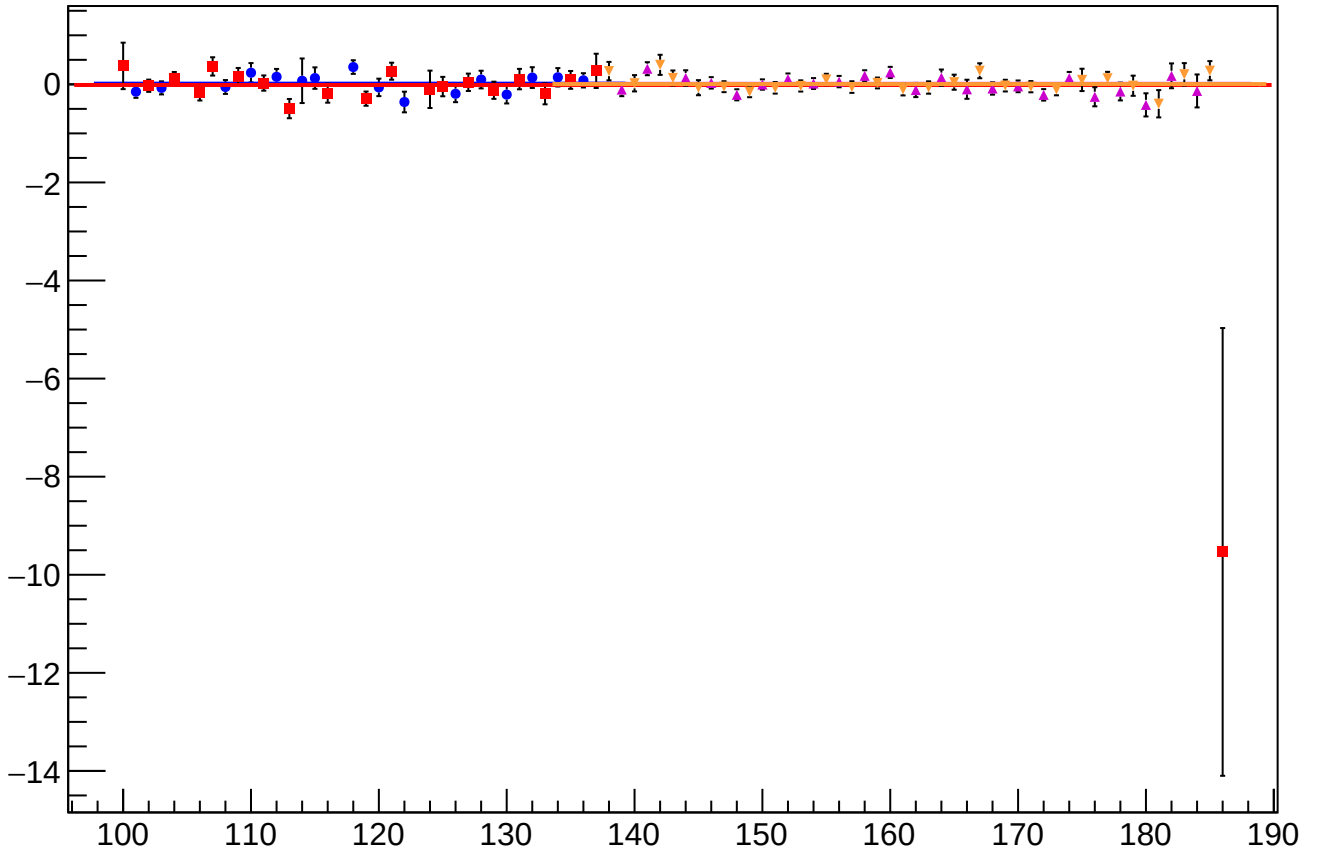
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 77.587+/-0.015 χ^2/NDF: 816637.4/35

In: 81.096+/-0.012 χ^2/NDF:2040158.4/38

Out: 81.695+/-0.012 χ^2/NDF:2621269.0/44

All: 81.402+/-0.008 χ^2/NDF: 4662697.4/83



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

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

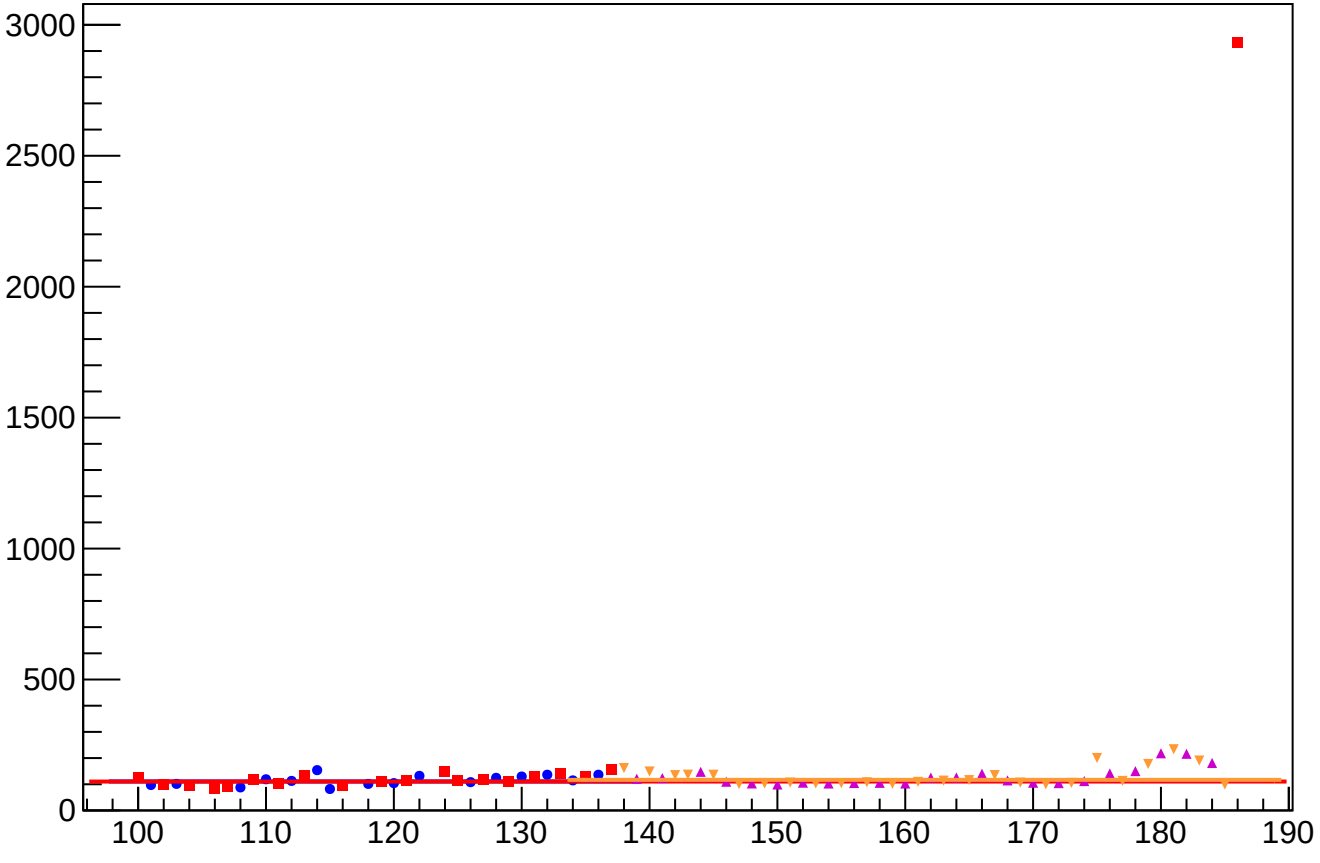
Right: 0.000+/-0.030 χ^2/NDF: 46.5/35

In: 0.011+/-0.023 χ^2/NDF:49.5/38

Out: 0.000+/-0.023 χ^2/NDF:49.6/44

All: 0.006+/-0.016 χ^2/NDF: 99.2/83

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

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

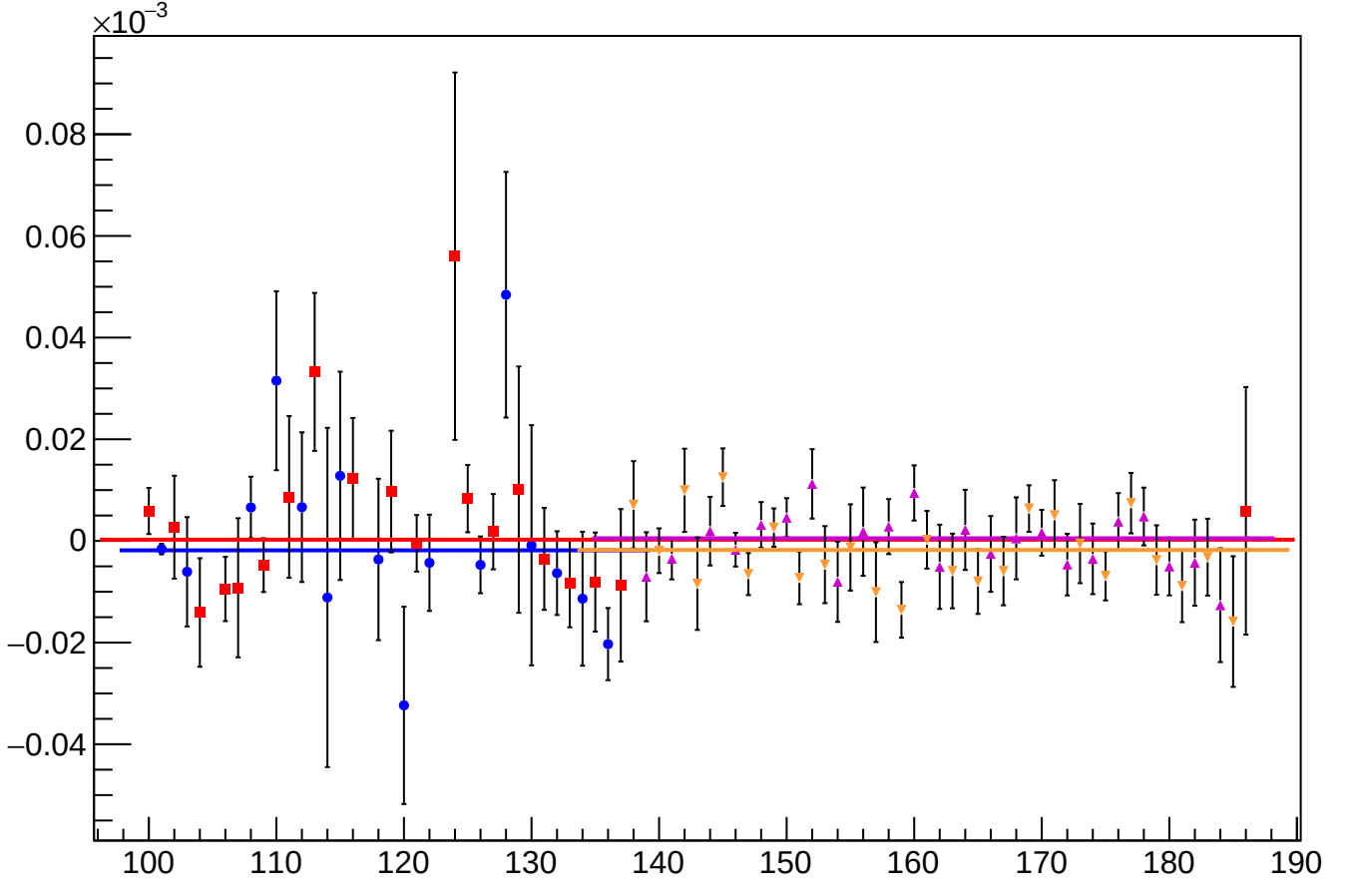
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 110.541+/-0.021 χ^2/NDF: 1391725.8/35

In: 114.276+/-0.017 χ^2/NDF:1551862.0/38

Out: 114.856+/-0.016 χ^2/NDF:2722773.4/44

All: 114.571+/-0.012 χ^2/NDF: 4275258.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

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

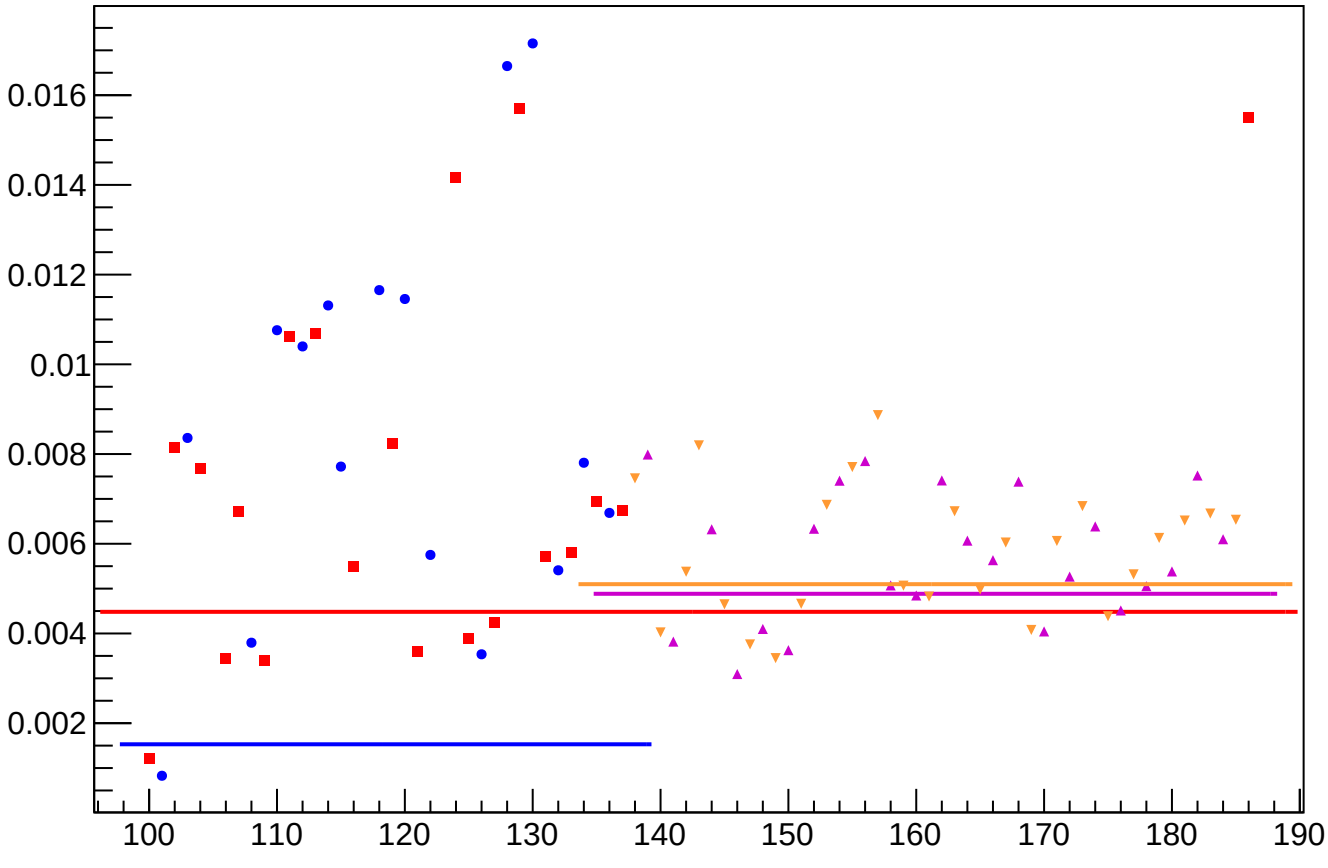
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/35

In: -0.000+/-0.000 χ^2/NDF:39.3/38

Out: -0.000+/-0.000 χ^2/NDF:51.8/44

All: -0.000+/-0.000 χ^2/NDF: 91.2/83



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

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

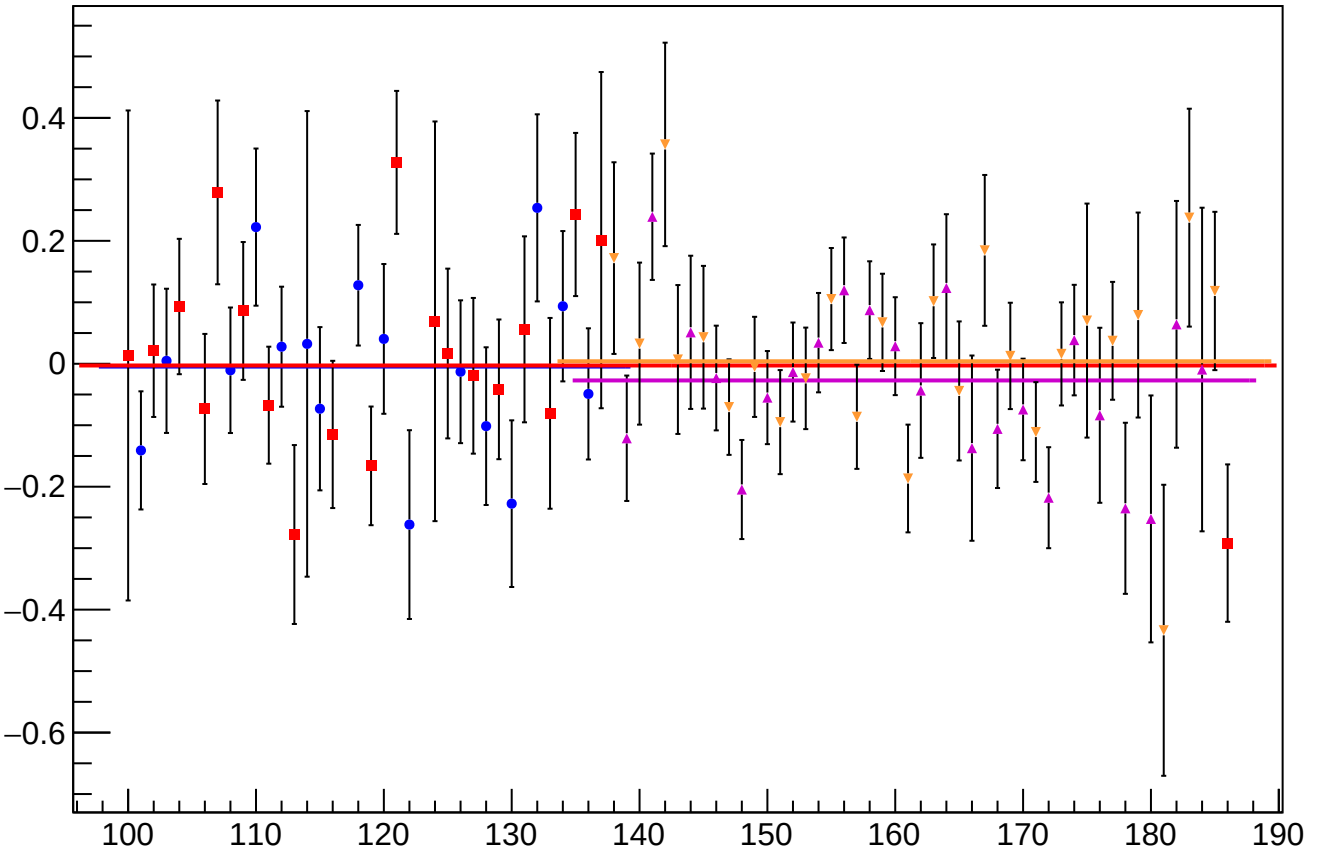
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 16787807.6/35

In: 0.003+/-0.000 χ^2/NDF:21428064.1/38

Out: 0.005+/-0.000 χ^2/NDF:6326813.0/44

All: 0.004+/-0.000 χ^2/NDF: 32979376.9/83



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

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

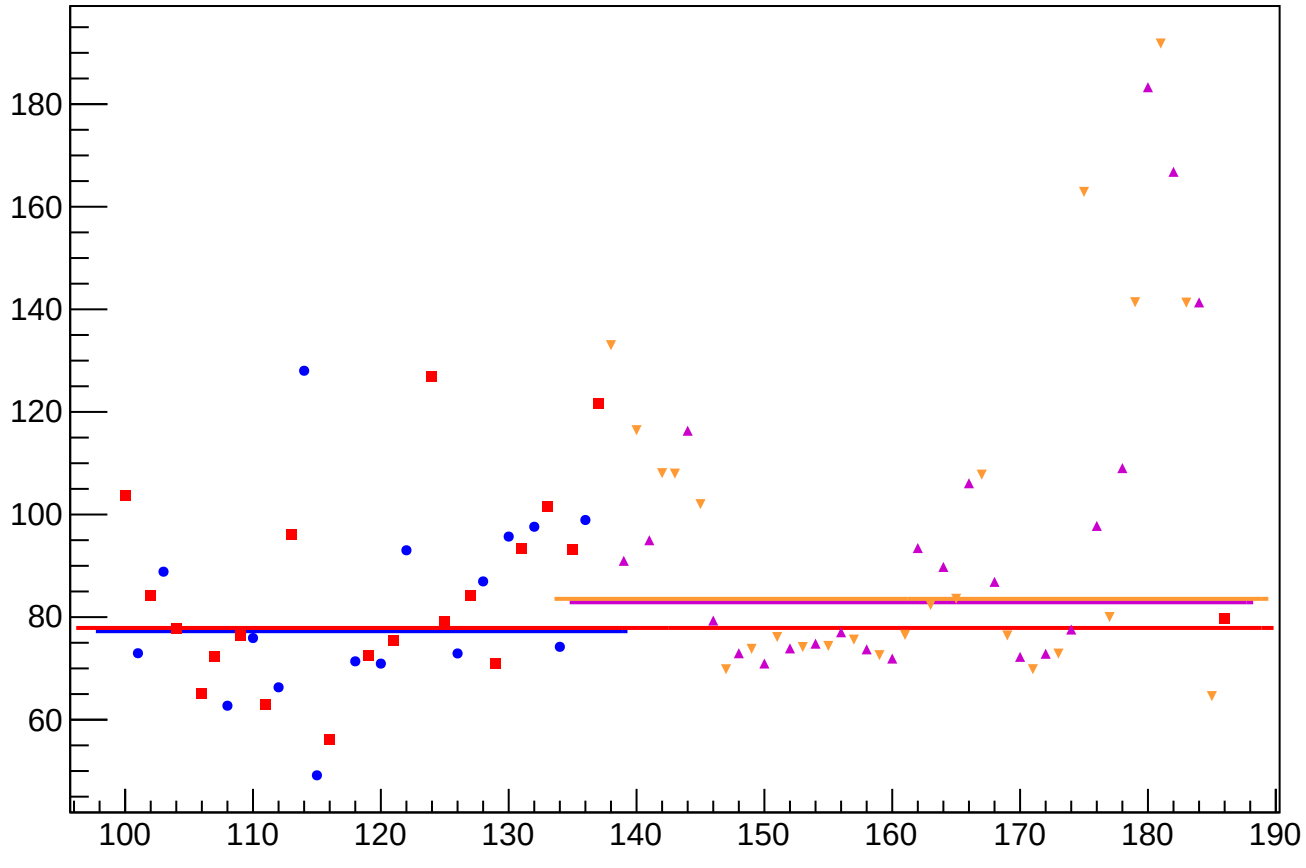
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.1/35

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.002+/-0.017 χ^2/NDF:59.1/44

All: -0.009+/-0.012 χ^2/NDF: 109.5/83



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

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

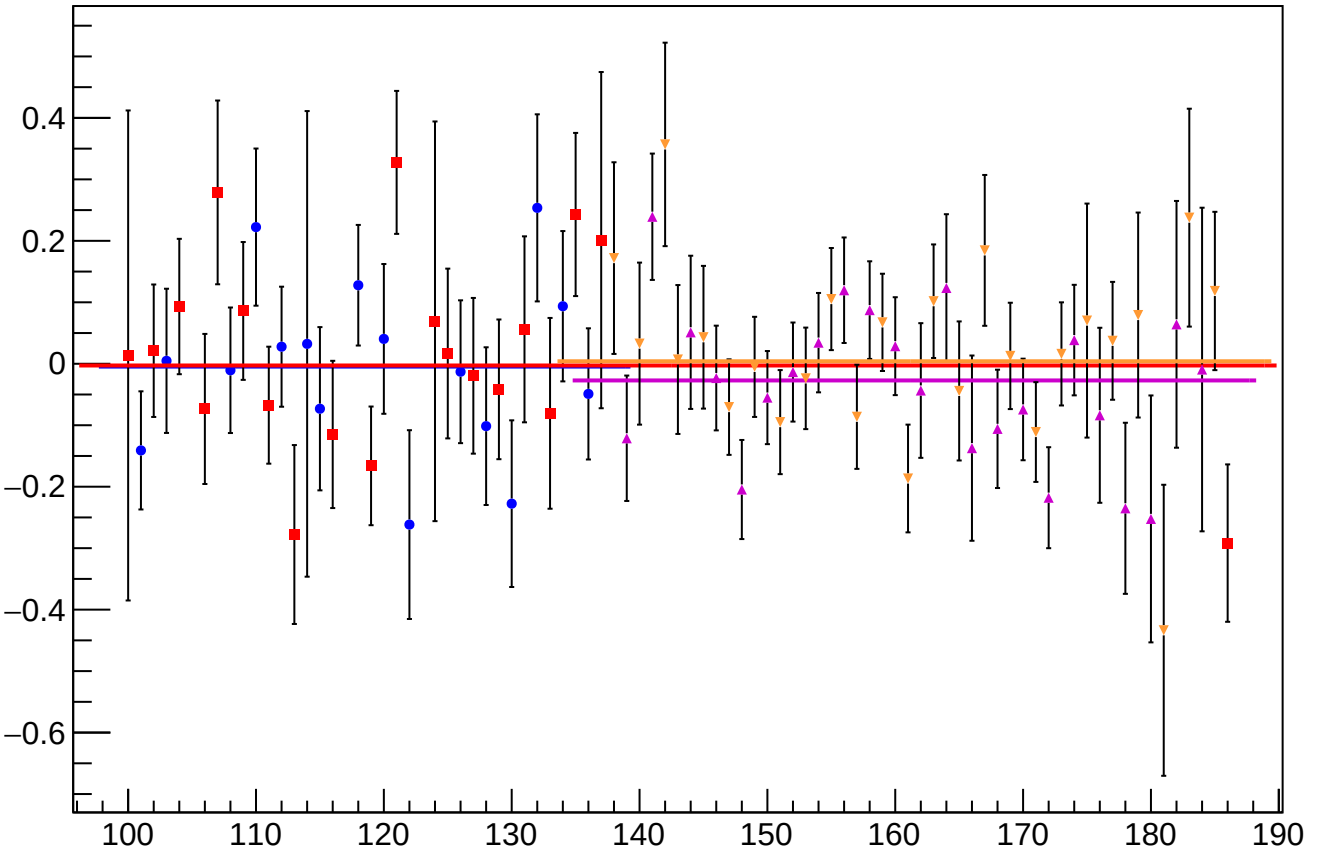
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 77.586+/-0.015 χ^2/NDF: 816619.9/35

In: 81.096+/-0.012 χ^2/NDF:2040159.1/38

Out: 81.695+/-0.012 χ^2/NDF:2621298.8/44

All: 81.401+/-0.008 χ^2/NDF: 4662728.2/83



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

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

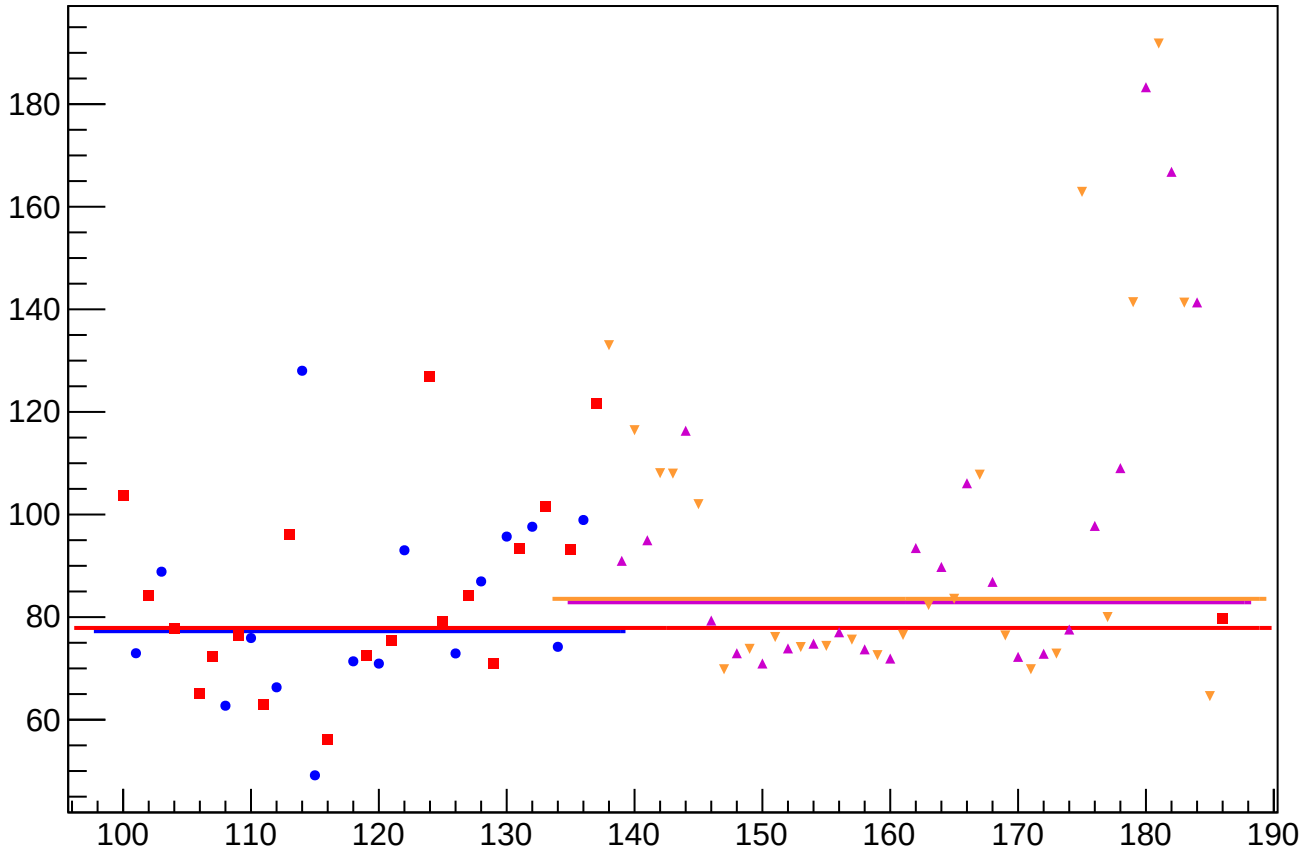
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.004+/-0.021 χ^2/NDF: 48.1/35

In: -0.020+/-0.017 χ^2/NDF:49.6/38

Out: 0.002+/-0.017 χ^2/NDF:59.1/44

All: -0.009+/-0.012 χ^2/NDF: 109.5/83



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

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

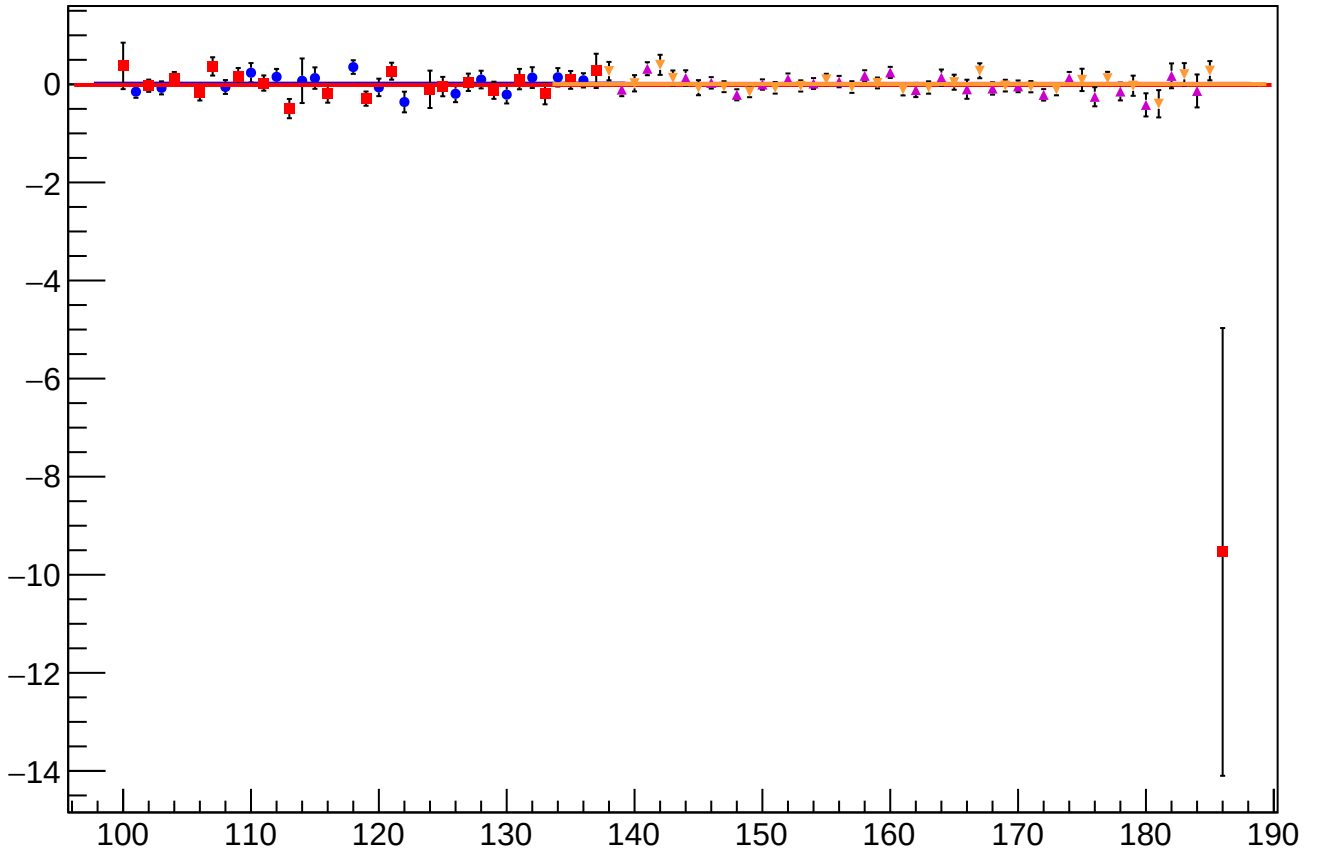
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 77.586+/-0.015 χ^2/NDF: 816619.9/35

In: 81.096+/-0.012 χ^2/NDF:2040159.1/38

Out: 81.695+/-0.012 χ^2/NDF:2621298.8/44

All: 81.401+/-0.008 χ^2/NDF: 4662728.2/83



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

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

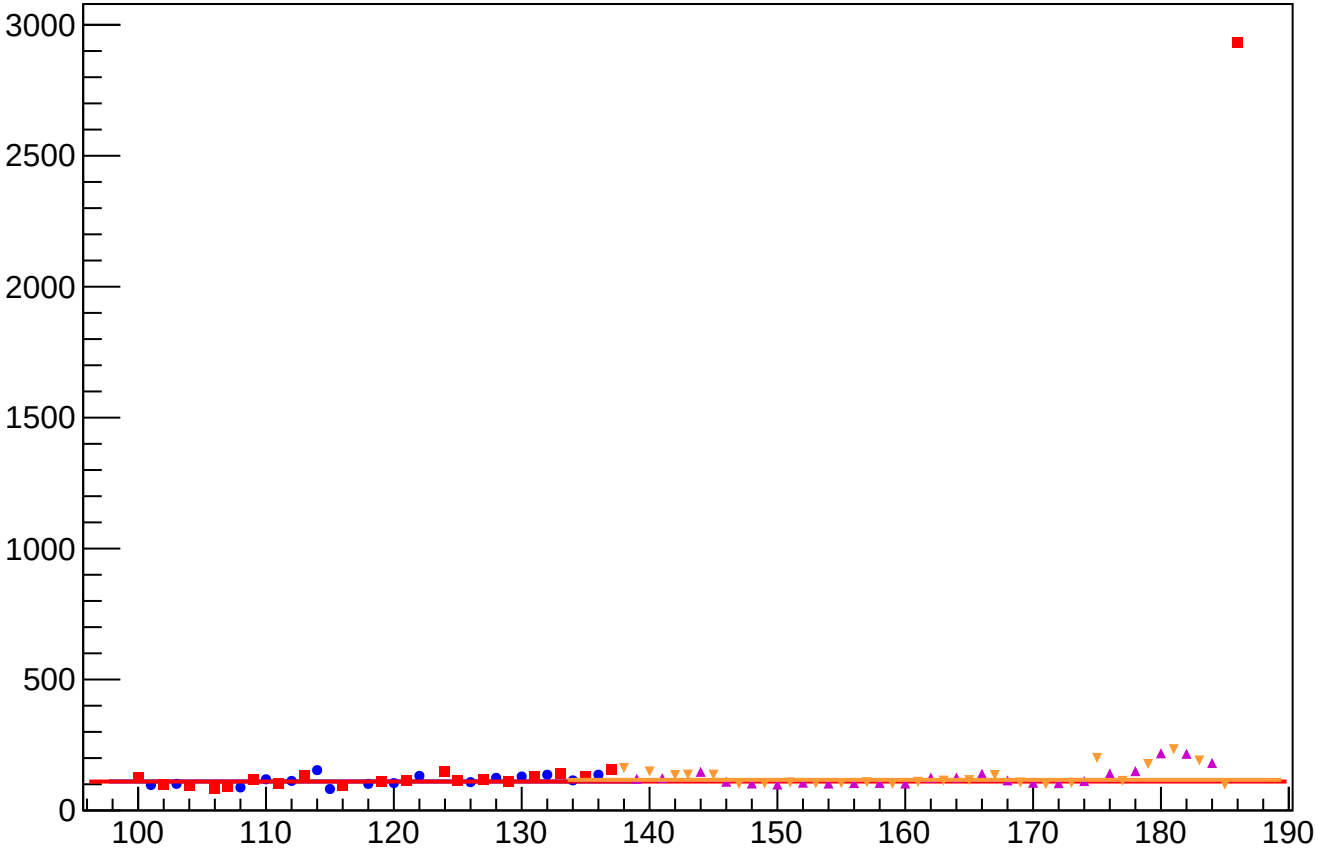
Right: 0.000+/-0.030 χ^2/NDF: 46.5/35

In: 0.011+/-0.023 χ^2/NDF:49.5/38

Out: 0.000+/-0.023 χ^2/NDF:49.6/44

All: 0.006+/-0.016 χ^2/NDF: 99.2/83

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 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

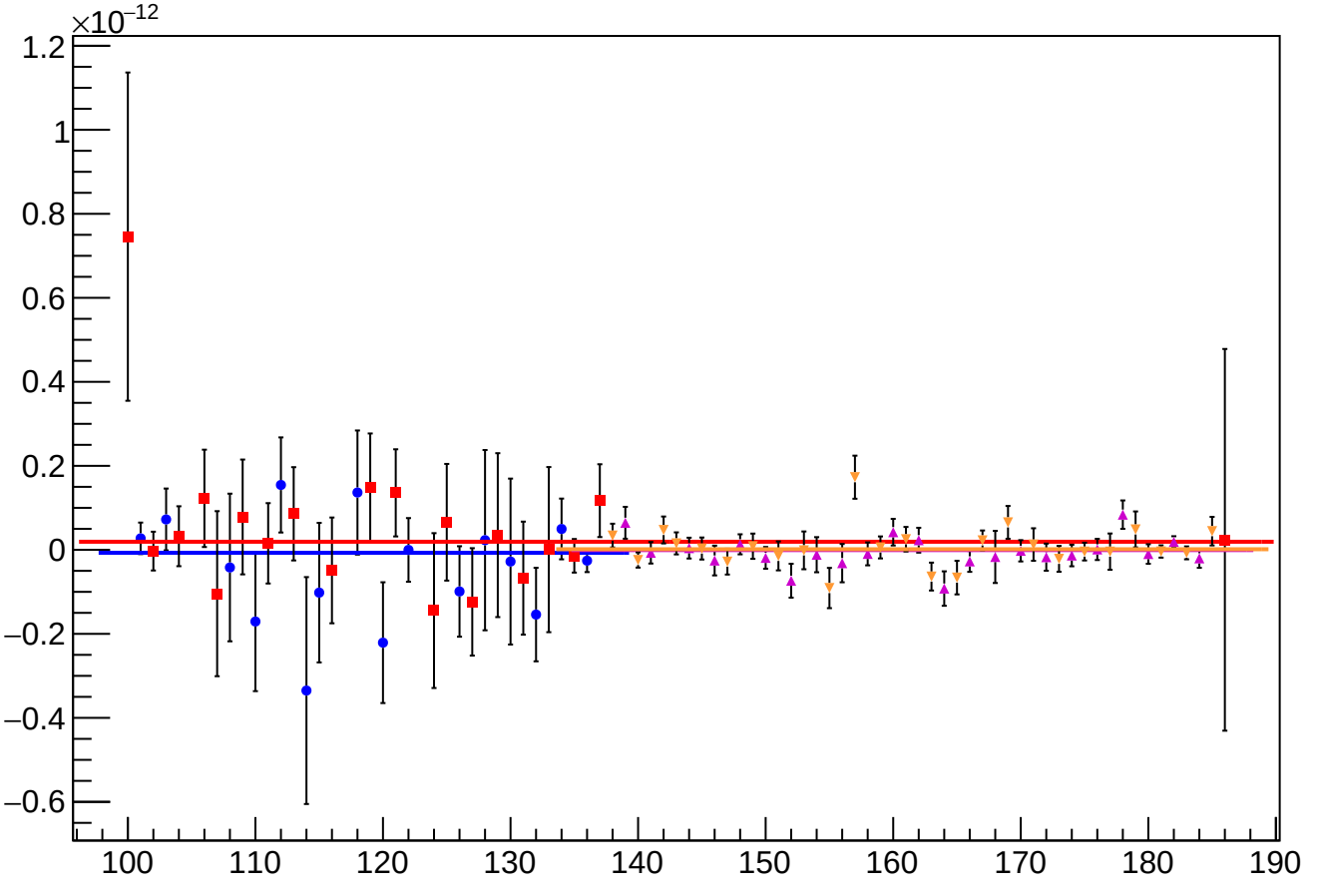
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 110.540+/-0.021 χ^2/NDF: 1391671.8/35

In: 114.276+/-0.017 χ^2/NDF:1551837.4/38

Out: 114.856+/-0.016 χ^2/NDF:2722751.4/44

All: 114.571+/-0.012 χ^2/NDF: 4275211.6/83



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

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

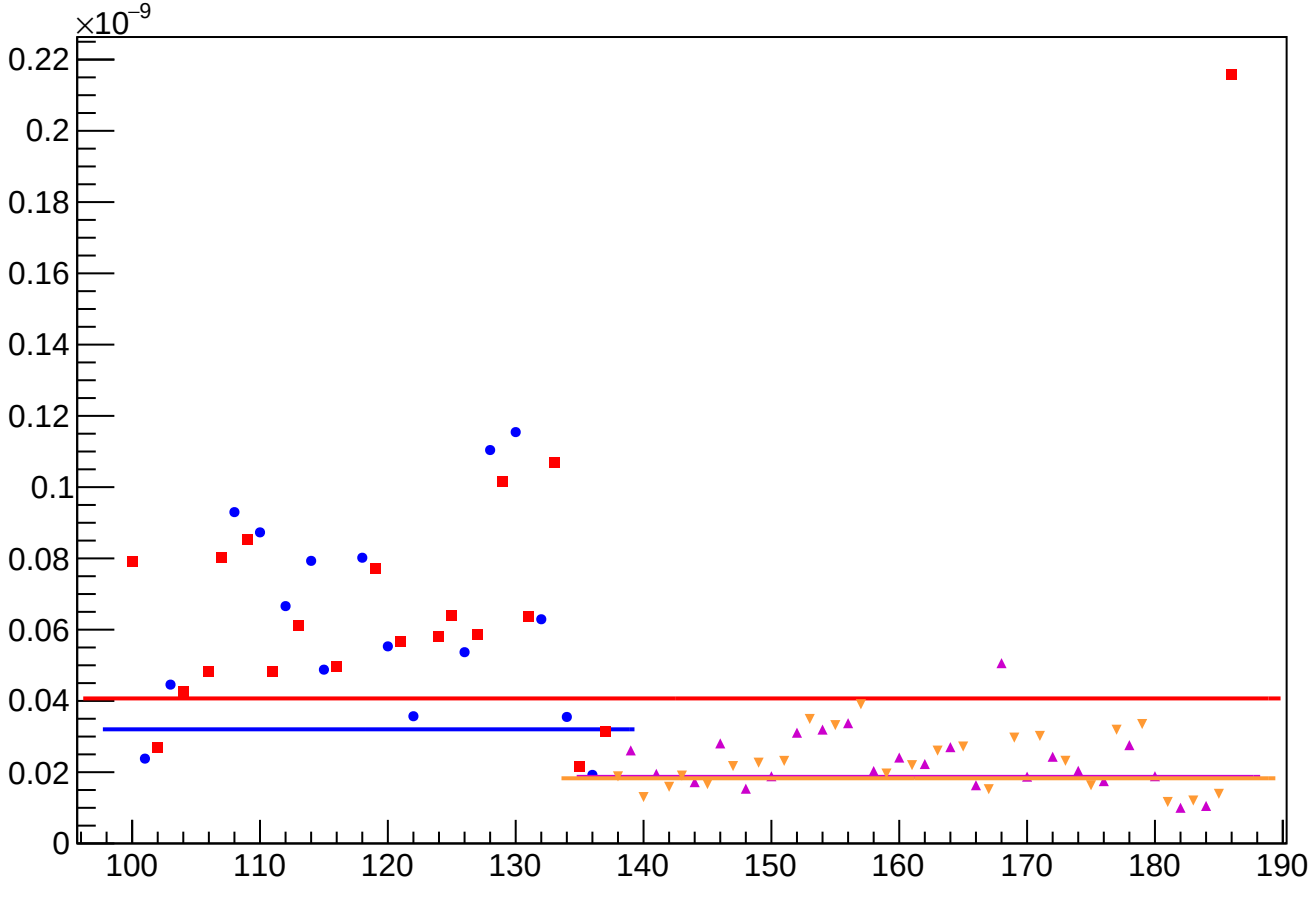
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 27.1/35

In: -0.000+/-0.000 χ^2/NDF:40.5/38

Out: 0.000+/-0.000 χ^2/NDF:49.9/44

All: 0.000+/-0.000 χ^2/NDF: 90.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

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

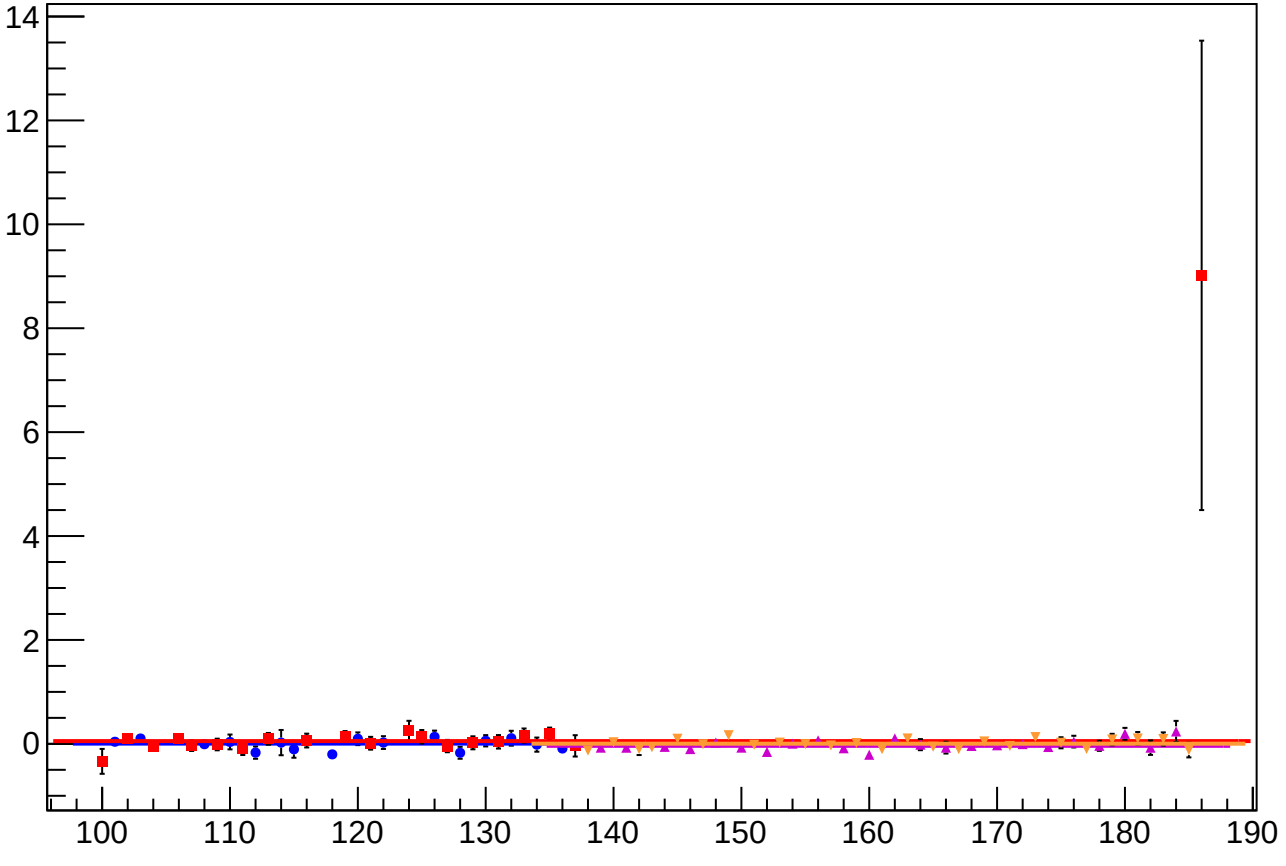
Right: 0.000+/-0.000 χ^2/NDF: 4819211.7/35

In: 0.000+/-0.000 χ^2/NDF:6377258.0/38

Out: 0.000+/-0.000 χ^2/NDF:7309707.9/44

All: 0.000+/-0.000 χ^2/NDF: 13688561.5/83

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

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

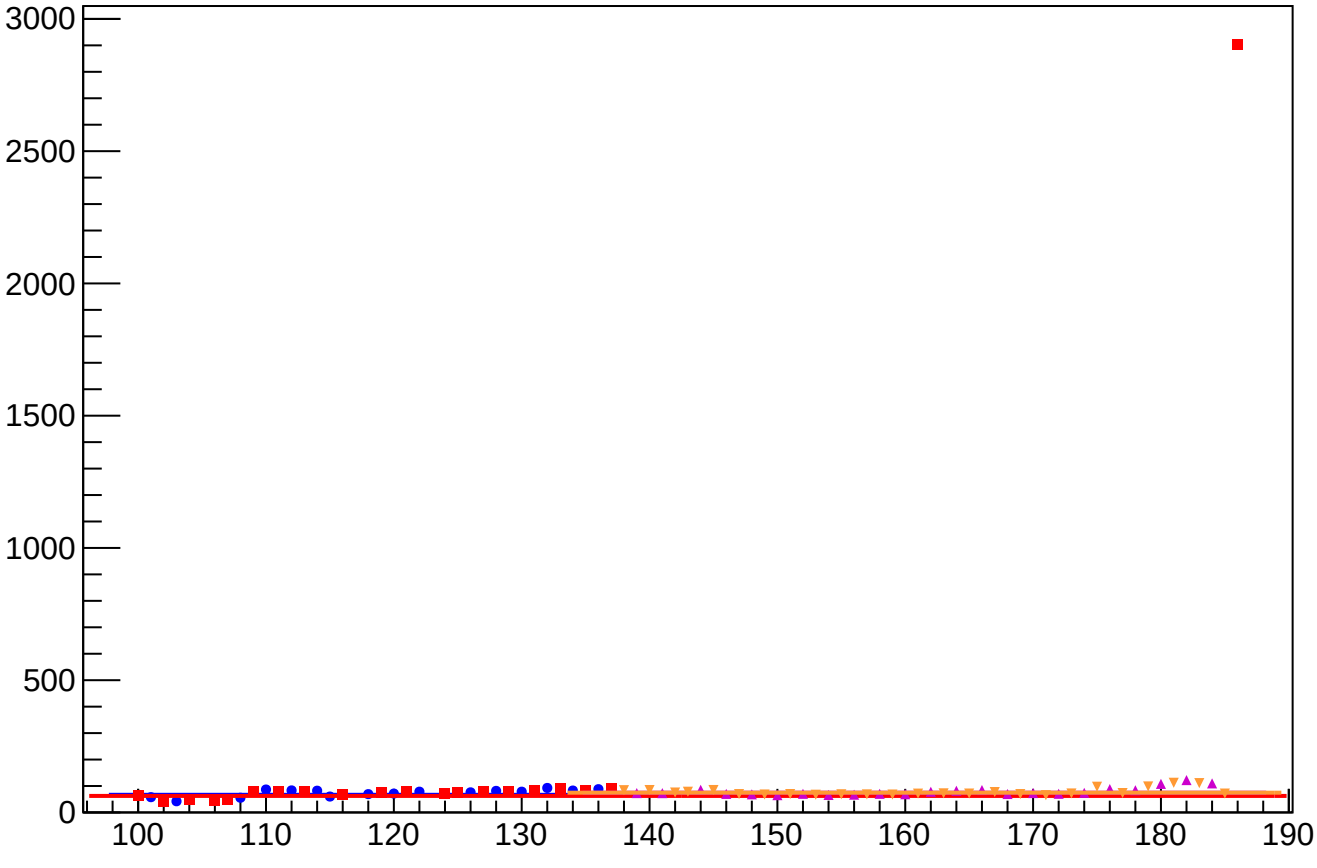
Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

Right: 0.031+/-0.018 χ^2/NDF: 37.2/35

In: -0.024+/-0.015 χ^2/NDF:40.1/38

Out: 0.020+/-0.014 χ^2/NDF:43.1/44

All: -0.001+/-0.010 χ^2/NDF: 87.9/83



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

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

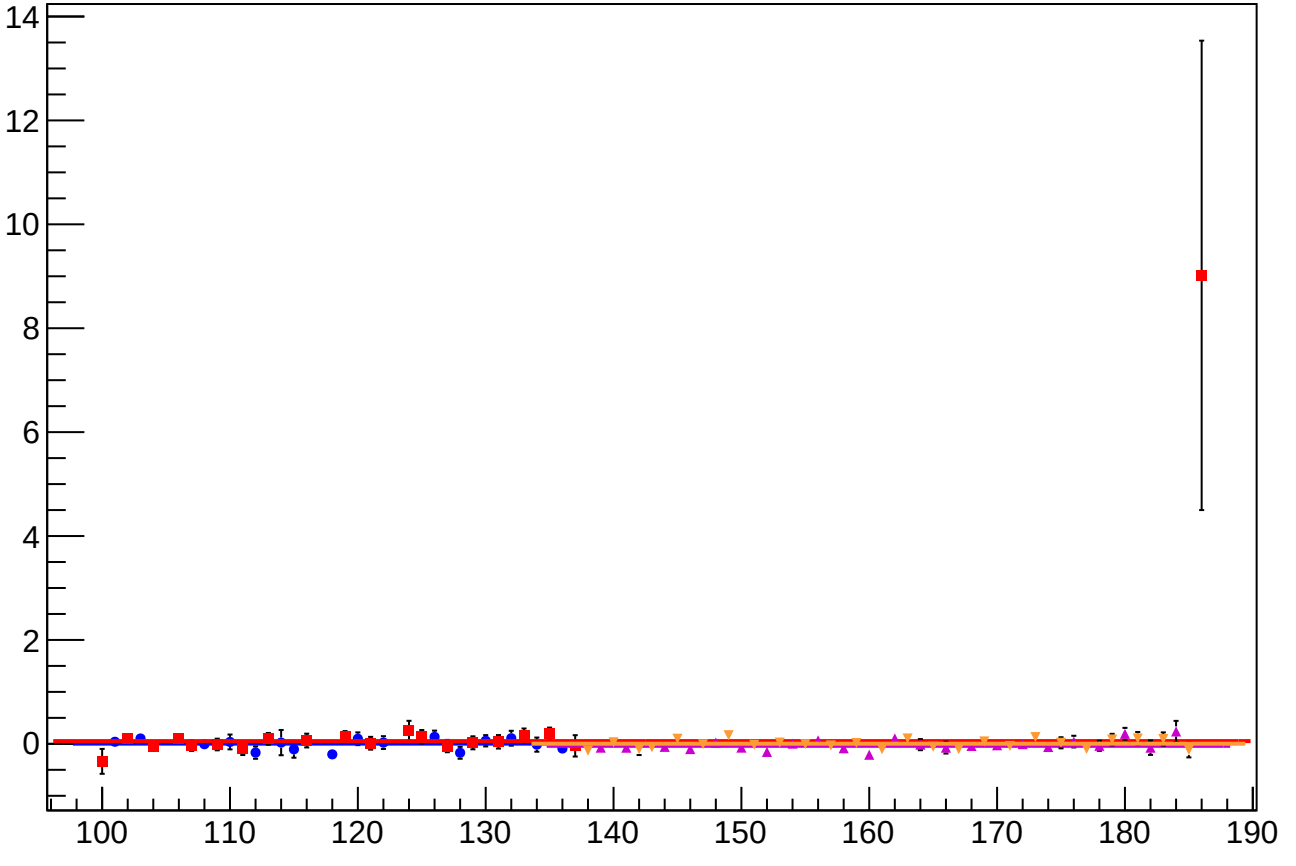
Right: 64.468+/-0.012 χ^2/NDF: 2749638.0/35

In: 72.062+/-0.010 χ^2/NDF:1655544.5/38

Out: 70.544+/-0.010 χ^2/NDF:2987699.1/44

All: 71.272+/-0.007 χ^2/NDF: 4654323.2/83

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

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

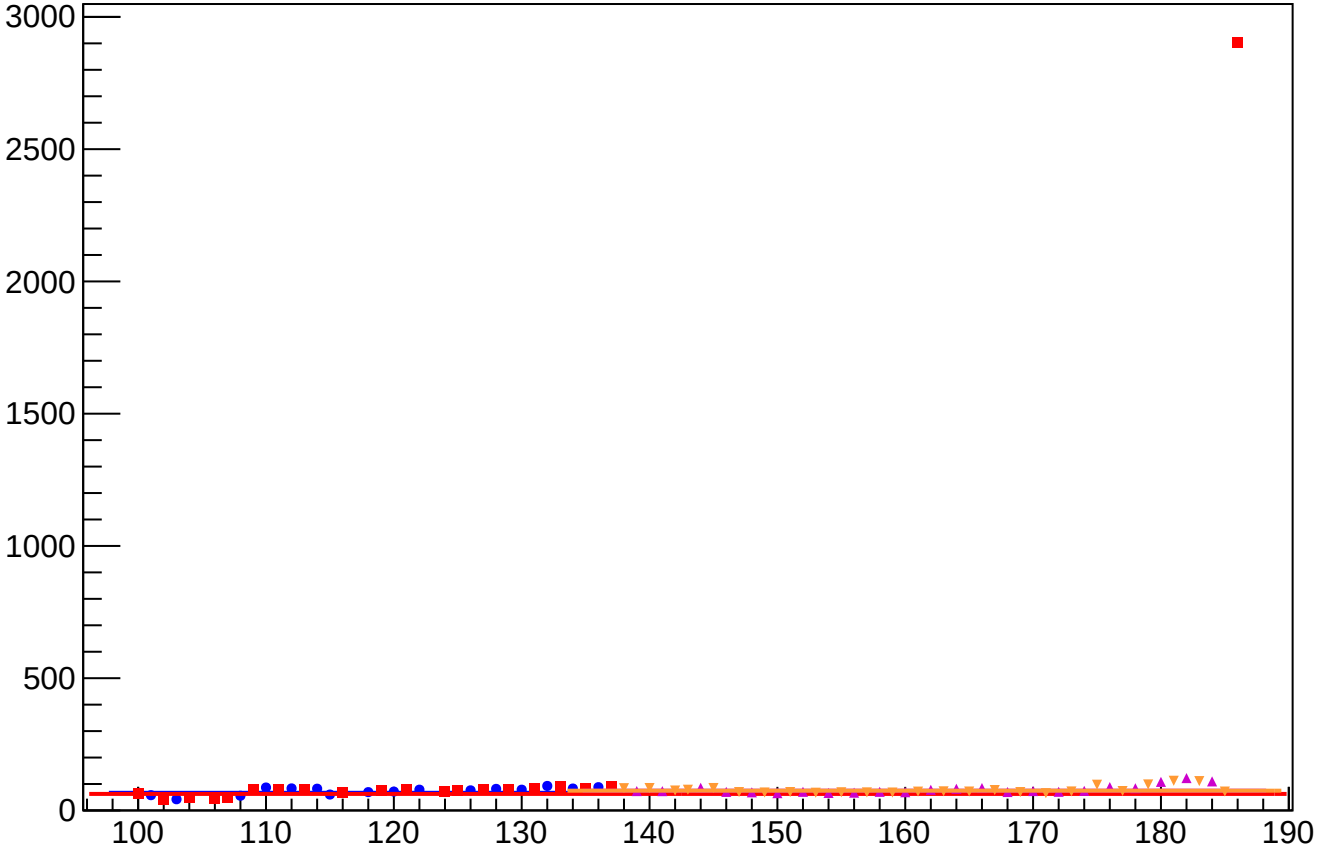
Right: 0.031+/-0.018 χ^2/NDF: 37.2/35

In: -0.024+/-0.015 χ^2/NDF:40.1/38

Out: 0.020+/-0.014 χ^2/NDF:43.1/44

All: -0.001+/-0.010 χ^2/NDF: 87.9/83

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

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

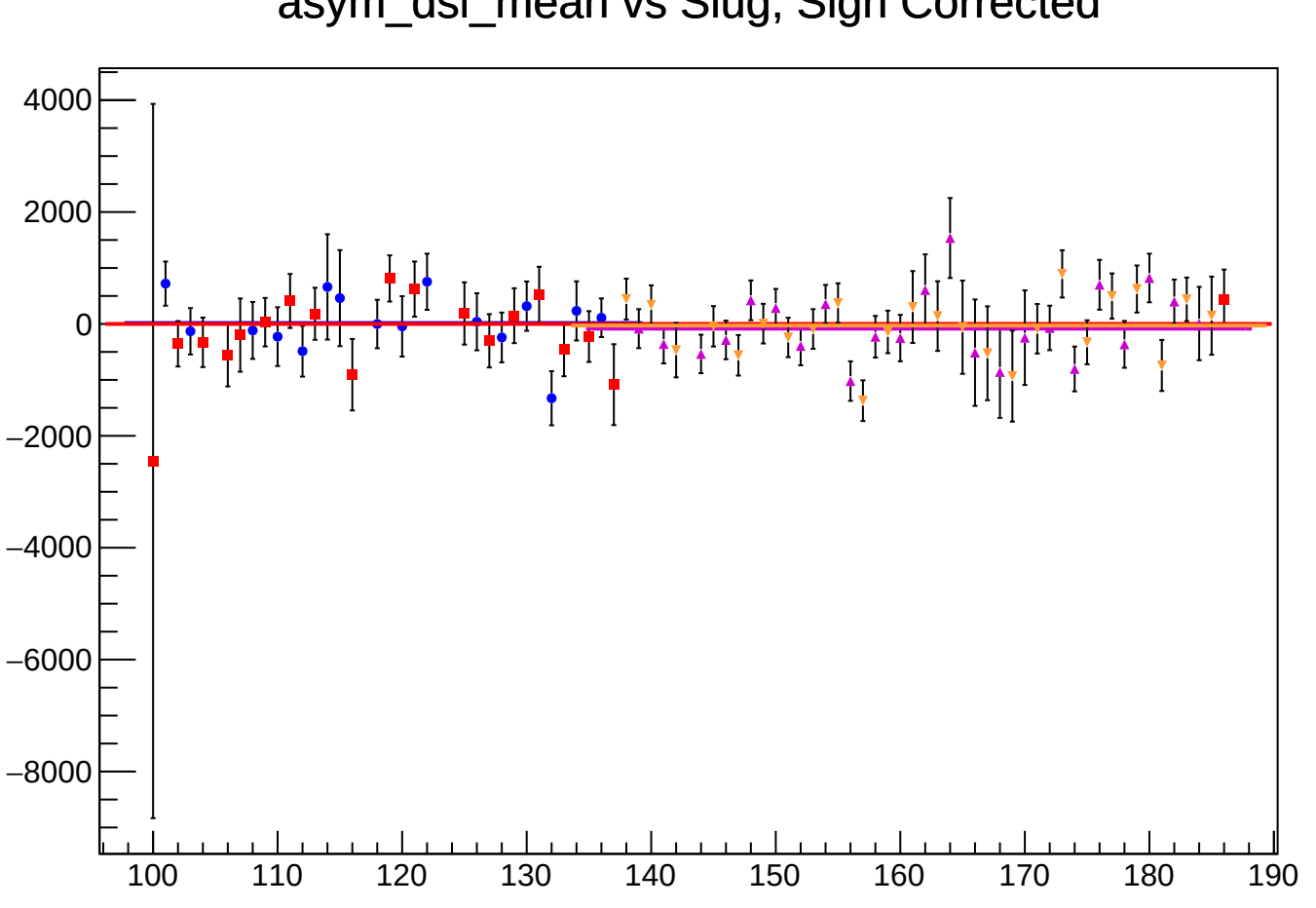
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 64.468+/-0.012 χ^2/NDF: 2749638.0/35

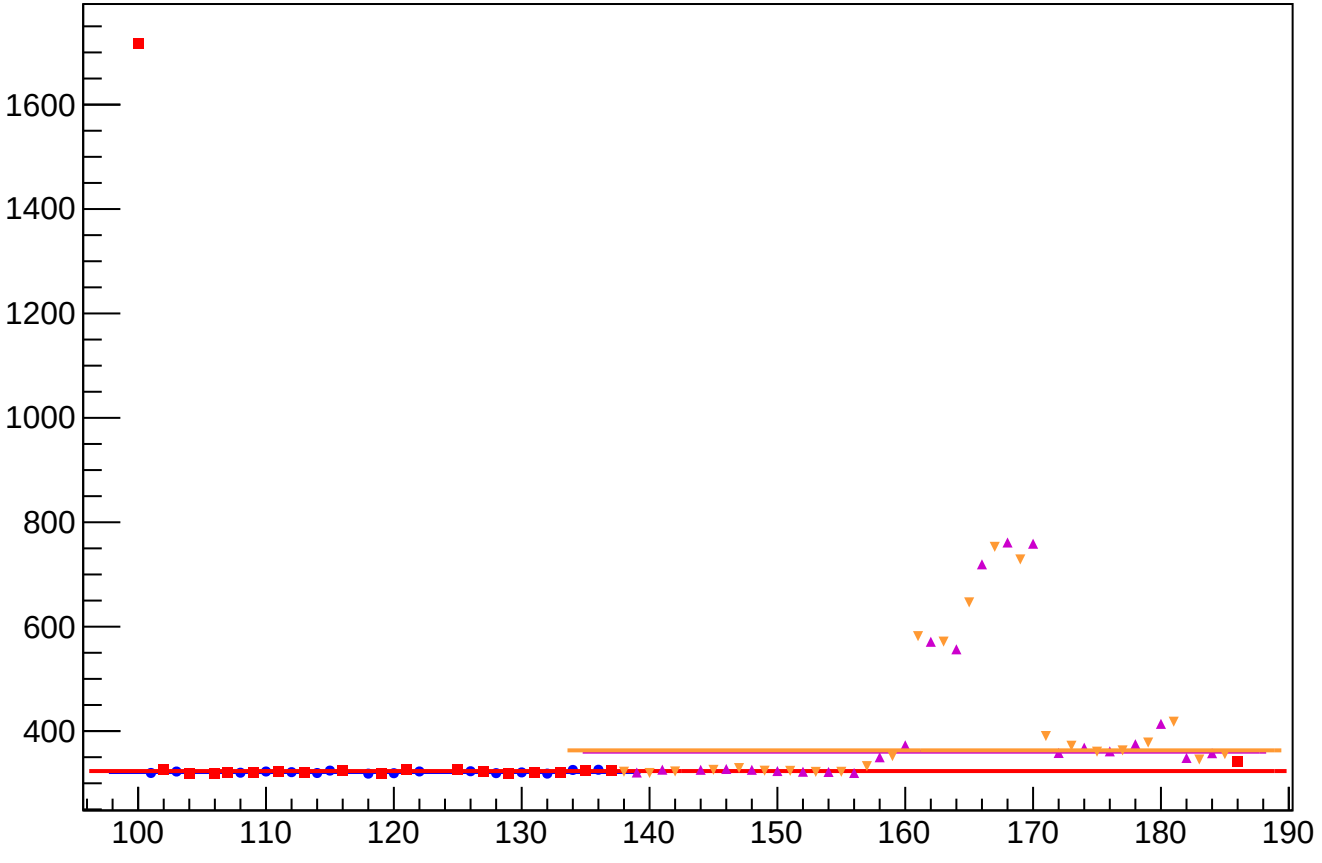
In: 72.062+/-0.010 χ^2/NDF:1655544.5/38

Out: 70.544+/-0.010 χ^2/NDF:2987699.1/44

All: 71.272+/-0.007 χ^2/NDF: 4654323.2/83


asym_dsl_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 15.517+/-119.431 χ²/NDF: 16.5/15
Left Out: -29.346+/-86.530 χ²/NDF:36.6/23
Right Out: 0.009+/-116.321 χ²/NDF: 16.7/18
Left In: -83.719+/-86.476 χ²/NDF:35.8/22
Left: -56.550+/-61.167 χ²/NDF: 72.6/46
Right: 7.558+/-83.329 χ²/NDF: 33.3/34
In: -49.587+/-70.043 χ²/NDF:52.8/38
Out: -18.889+/-69.427 χ²/NDF:53.3/42
All: -34.102+/-49.309 χ²/NDF: 106.2/81

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

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

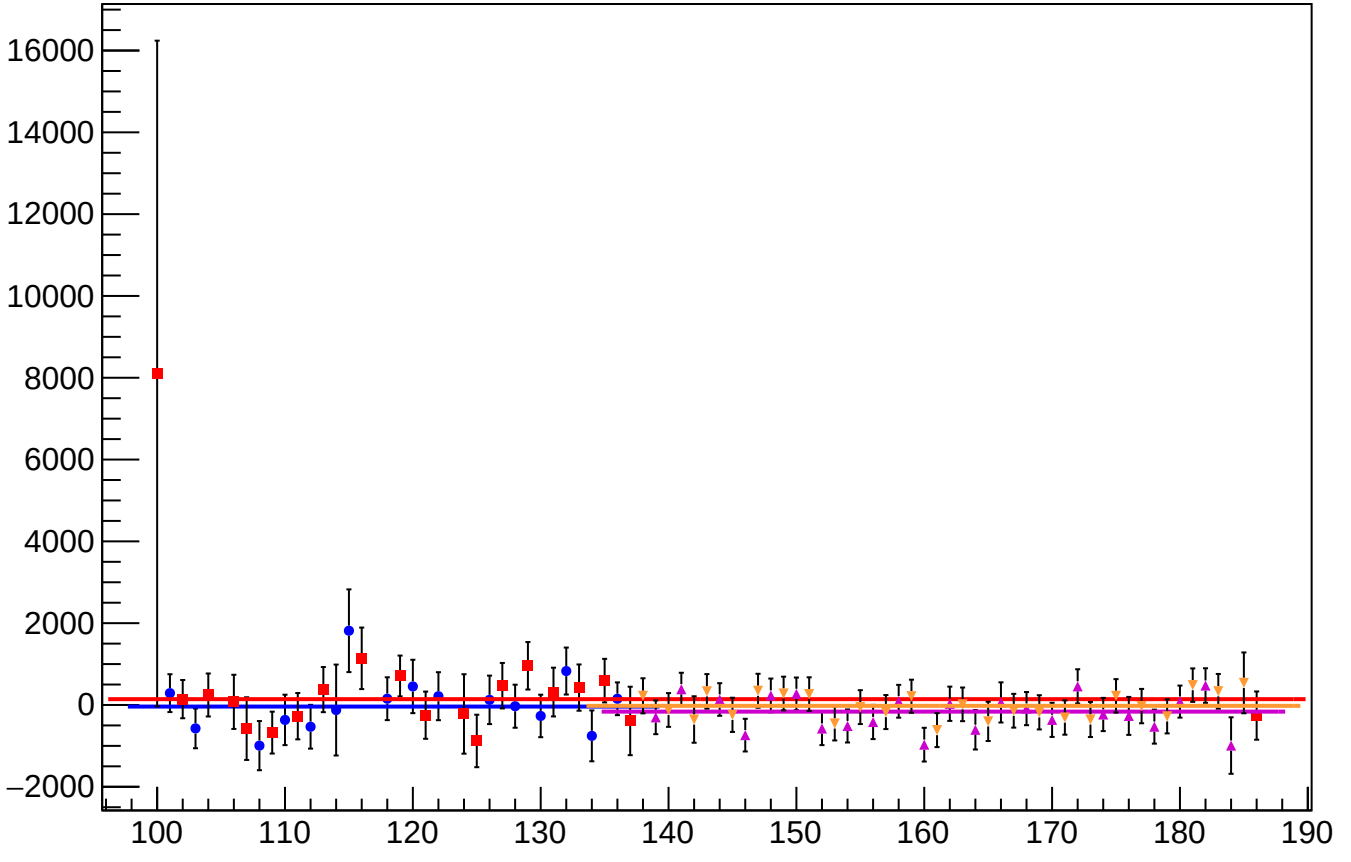
Right: 322.543+/-0.059 χ^2/NDF: 100240.5/34

In: 347.178+/-0.050 χ^2/NDF:1958294.9/38

Out: 348.956+/-0.049 χ^2/NDF:2044302.4/42

All: 348.075+/-0.035 χ^2/NDF: 4003247.7/81

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

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

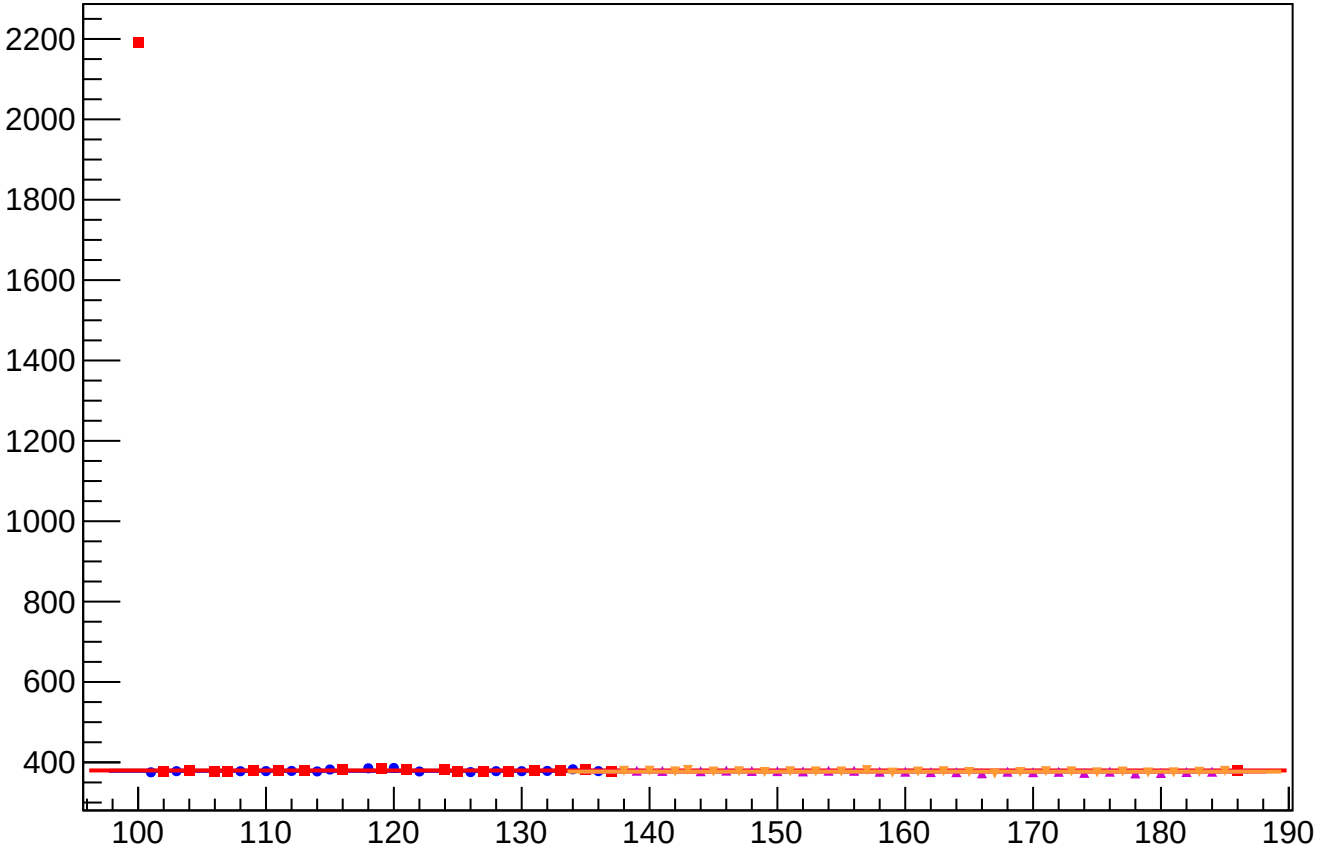
Right: 55.282+/-97.515 χ^2/NDF: 30.2/35

In: -128.115+/-74.607 χ^2/NDF:36.1/38

Out: 25.675+/-72.344 χ^2/NDF:29.2/44

All: -48.852+/-51.936 χ^2/NDF: 67.5/83

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

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

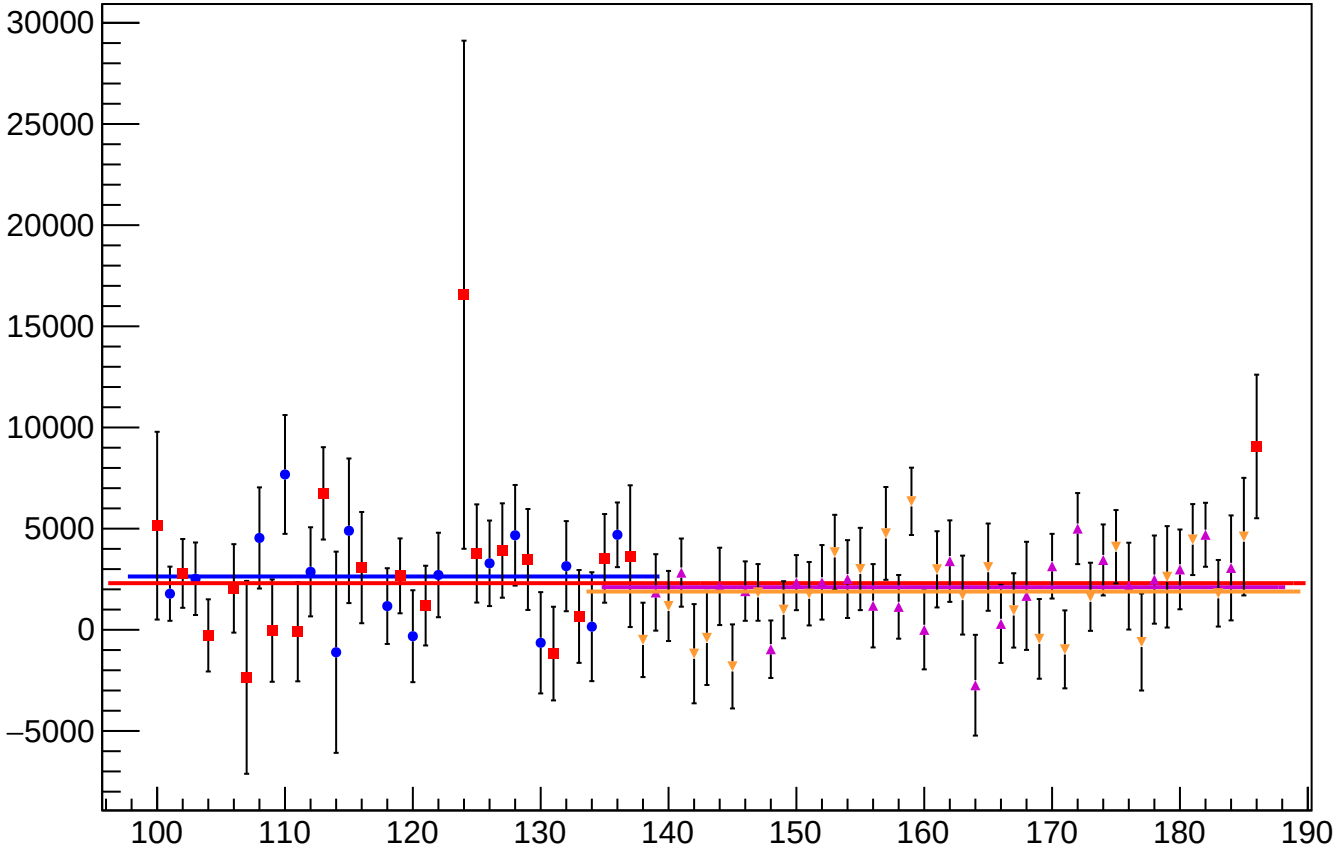
Right: 379.399+/-0.069 χ^2/NDF: 100520.6/35

In: 377.426+/-0.053 χ^2/NDF:2234.6/38

Out: 377.748+/-0.051 χ^2/NDF:101358.0/44

All: 377.592+/-0.037 χ^2/NDF: 103611.8/83

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

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

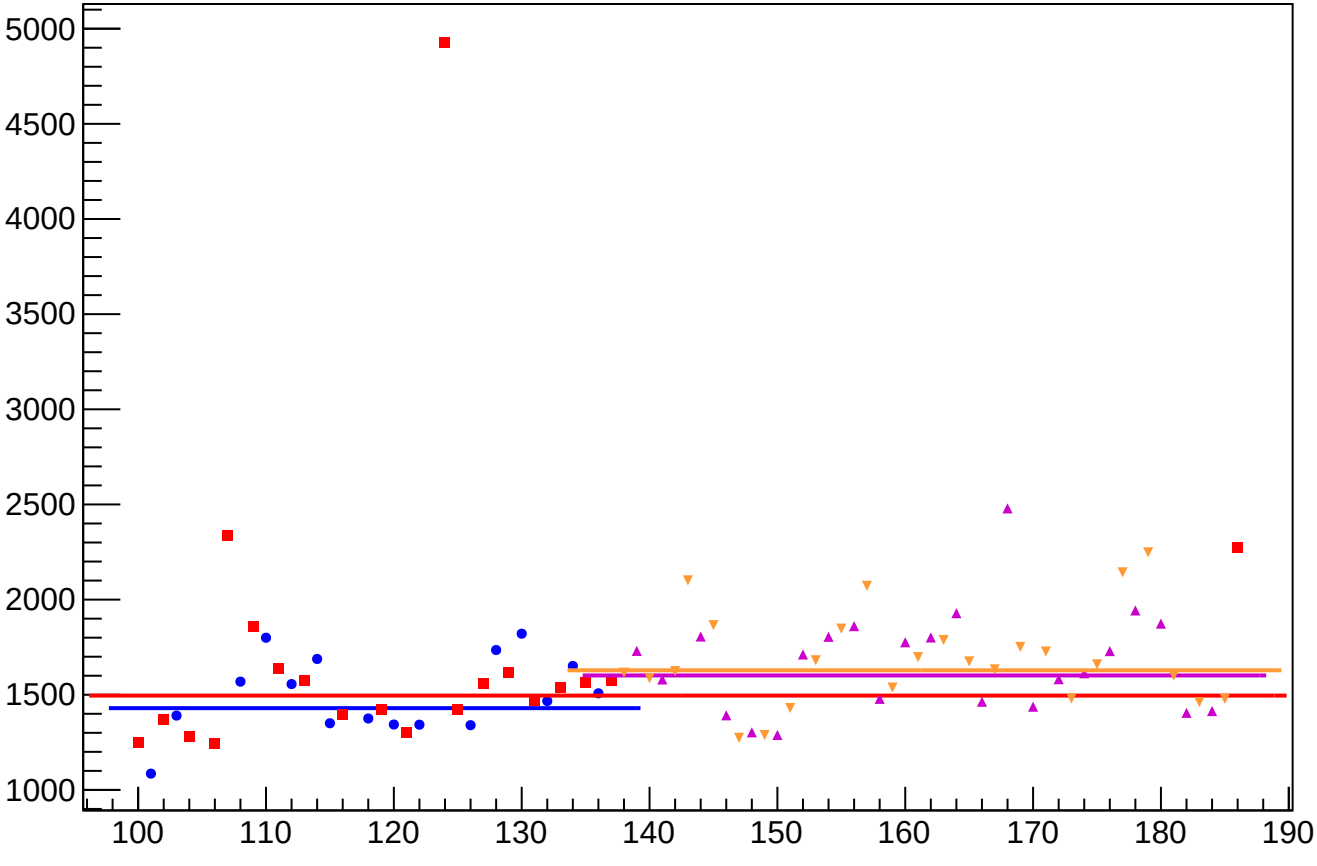
Right: 2471.052+/-381.344 χ^2/NDF: 31.2/35

In: 2281.210+/-309.872 χ^2/NDF:31.5/38

Out: 2025.826+/-308.282 χ^2/NDF:47.5/44

All: 2152.861+/-218.548 χ^2/NDF: 79.4/83

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

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

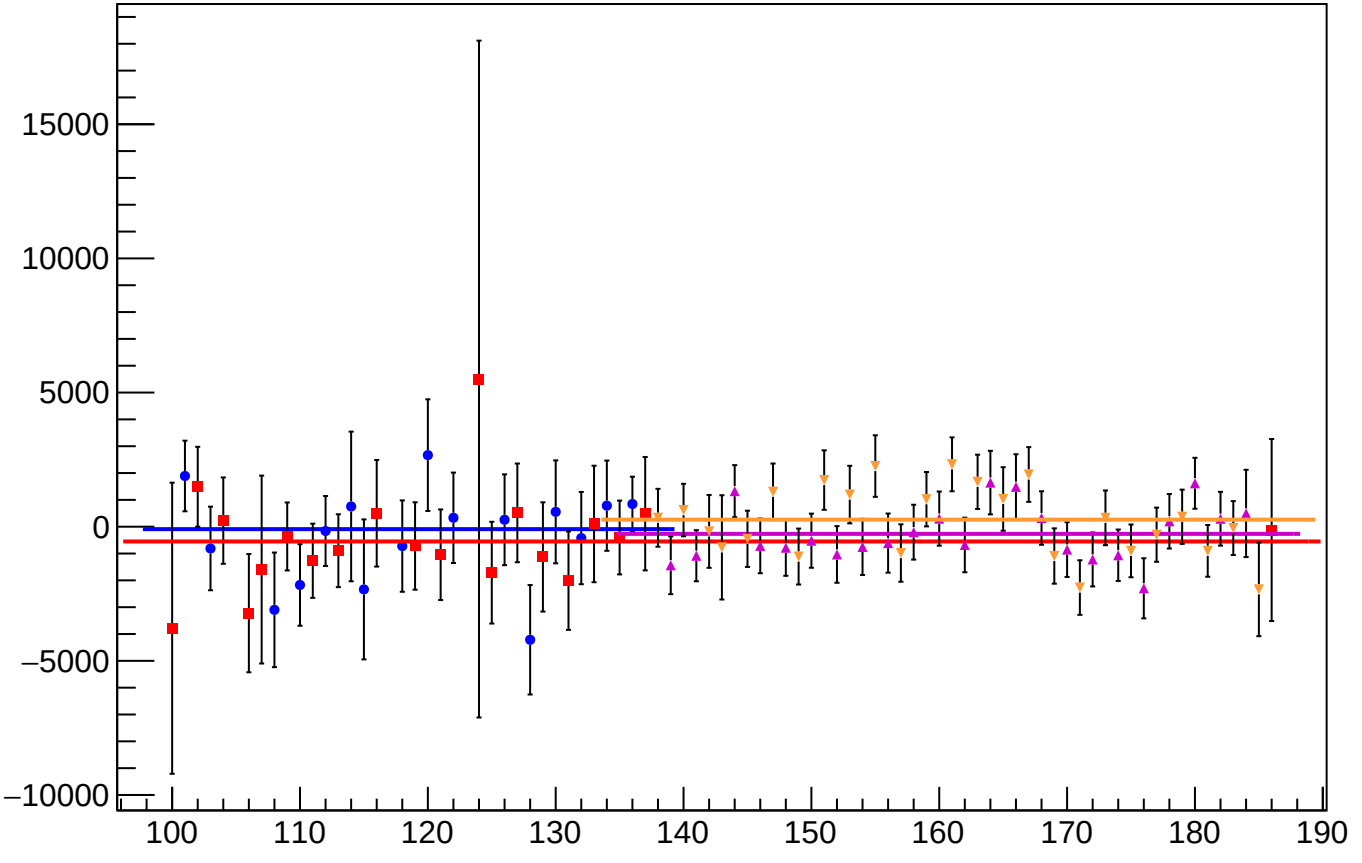
Right: 1462.498+/-0.270 χ^2/NDF: 776657.9/35

In: 1544.496+/-0.219 χ^2/NDF:1223457.0/38

Out: 1585.281+/-0.218 χ^2/NDF:1328865.1/44

All: 1564.994+/-0.155 χ^2/NDF: 2569734.9/83

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

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

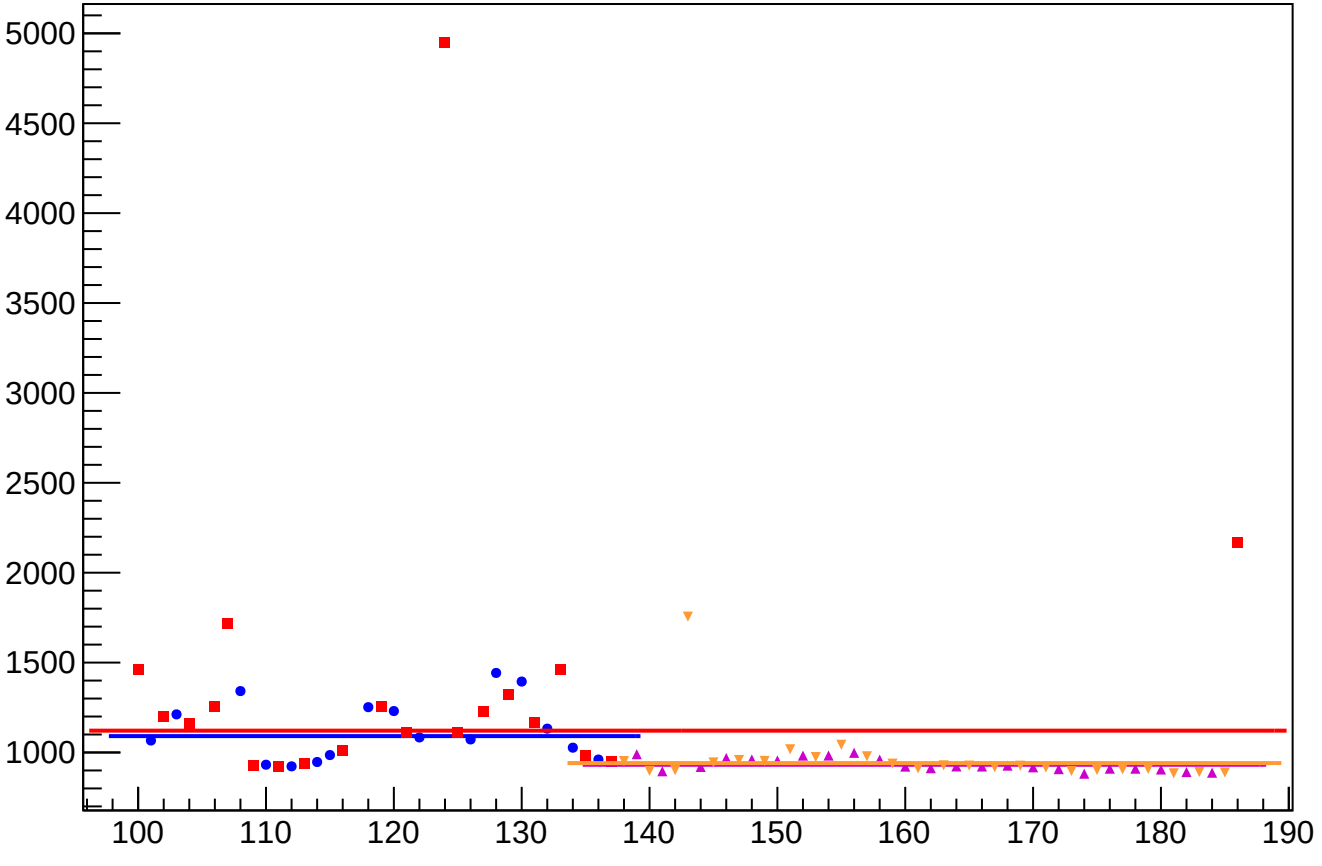
Right: -321.835+/-289.314 χ^2/NDF: 21.9/35

In: -228.404+/-192.261 χ^2/NDF:36.0/38

Out: 85.988+/-190.216 χ^2/NDF:43.8/44

All: -69.527+/-135.220 χ^2/NDF: 81.2/83

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

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

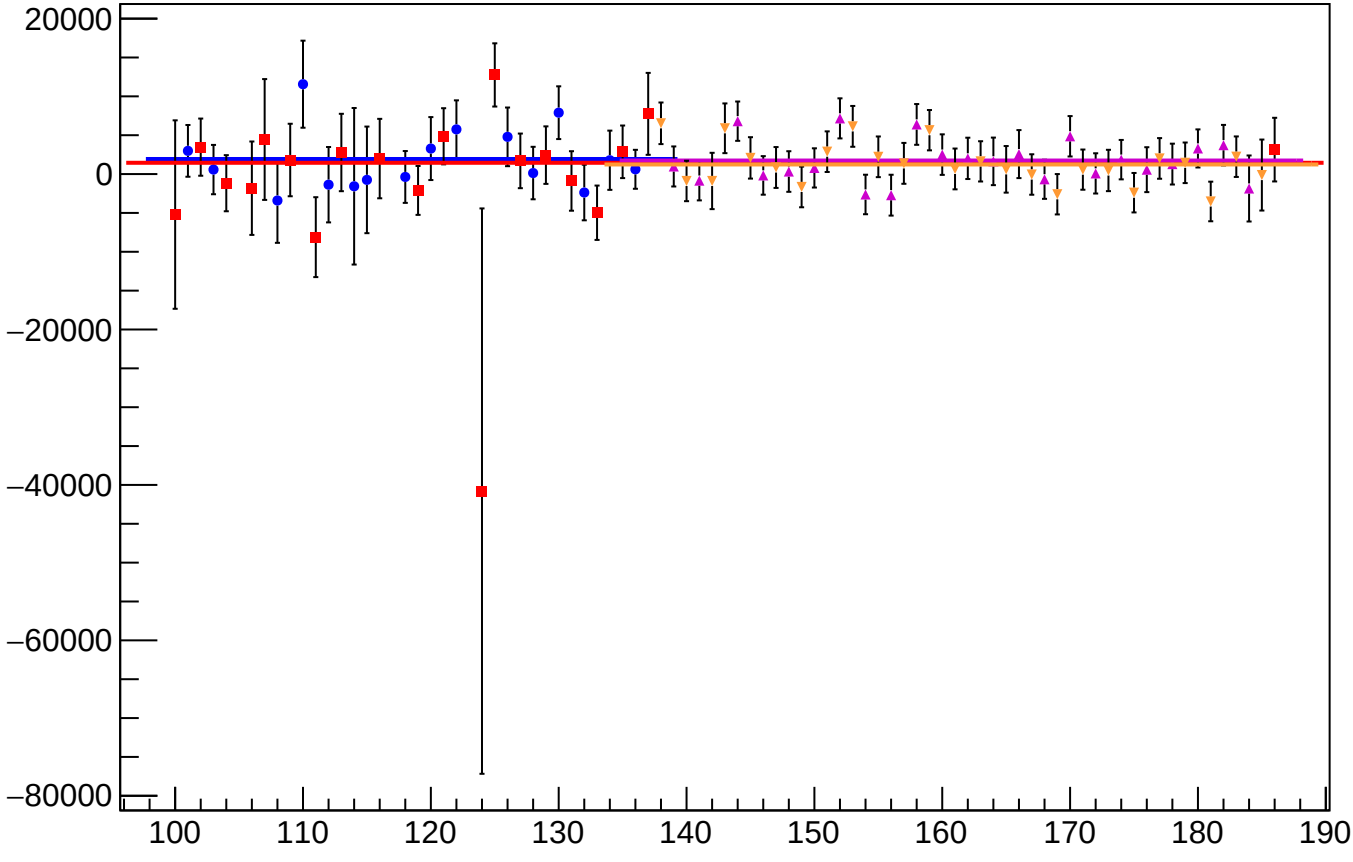
Right: 1106.296+/-0.205 χ^2/NDF: 989890.4/35

In: 966.638+/-0.136 χ^2/NDF:562316.3/38

Out: 980.161+/-0.135 χ^2/NDF:1430474.1/44

All: 973.472+/-0.096 χ^2/NDF: 1997790.3/83

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

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

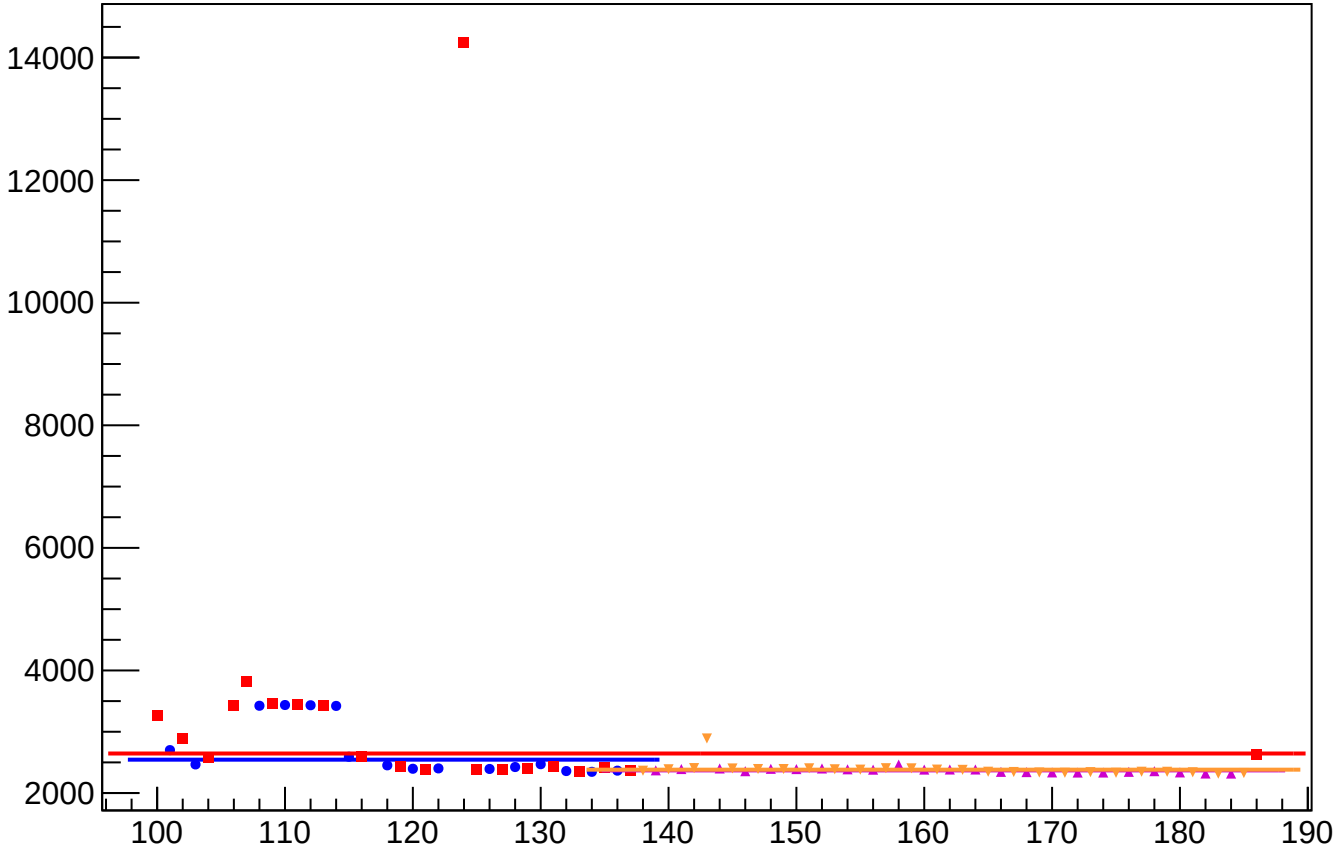
Right: 1696.891+/-675.397 χ^2/NDF: 34.3/35

In: 1791.658+/-478.411 χ^2/NDF:36.7/38

Out: 1287.188+/-471.242 χ^2/NDF:45.9/44

All: 1535.614+/-335.724 χ^2/NDF: 83.1/83

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

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

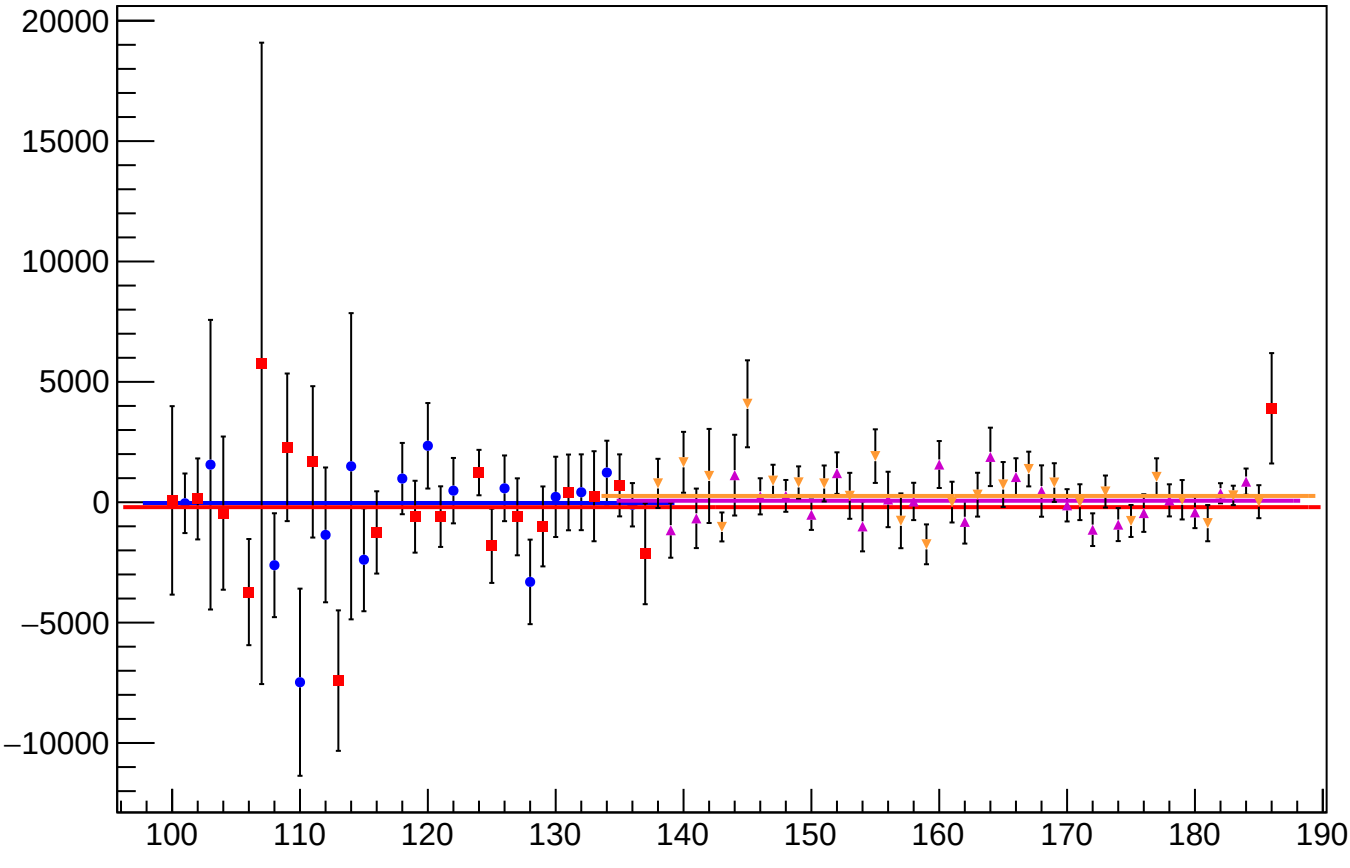
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2594.444+/-0.478 χ^2/NDF: 773688.6/35

In: 2413.537+/-0.338 χ^2/NDF:283143.5/38

Out: 2445.091+/-0.333 χ^2/NDF:709585.4/44

All: 2429.552+/-0.237 χ^2/NDF: 997144.9/83



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

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

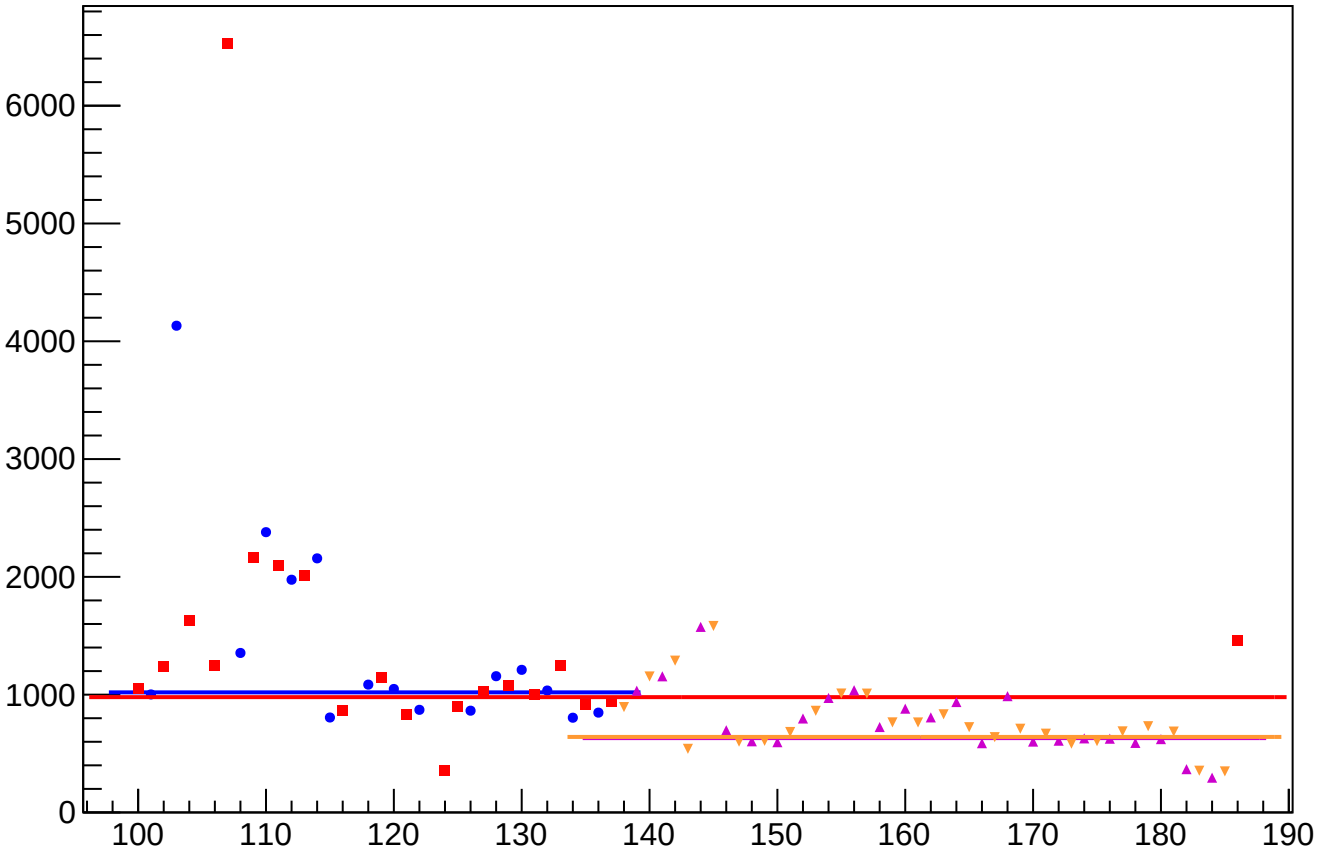
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -120.615+/-282.166 χ^2/NDF: 32.8/35

In: 49.775+/-146.739 χ^2/NDF:35.8/38

Out: 199.718+/-143.376 χ^2/NDF:51.3/44

All: 126.484+/-102.551 χ^2/NDF: 87.6/83



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

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

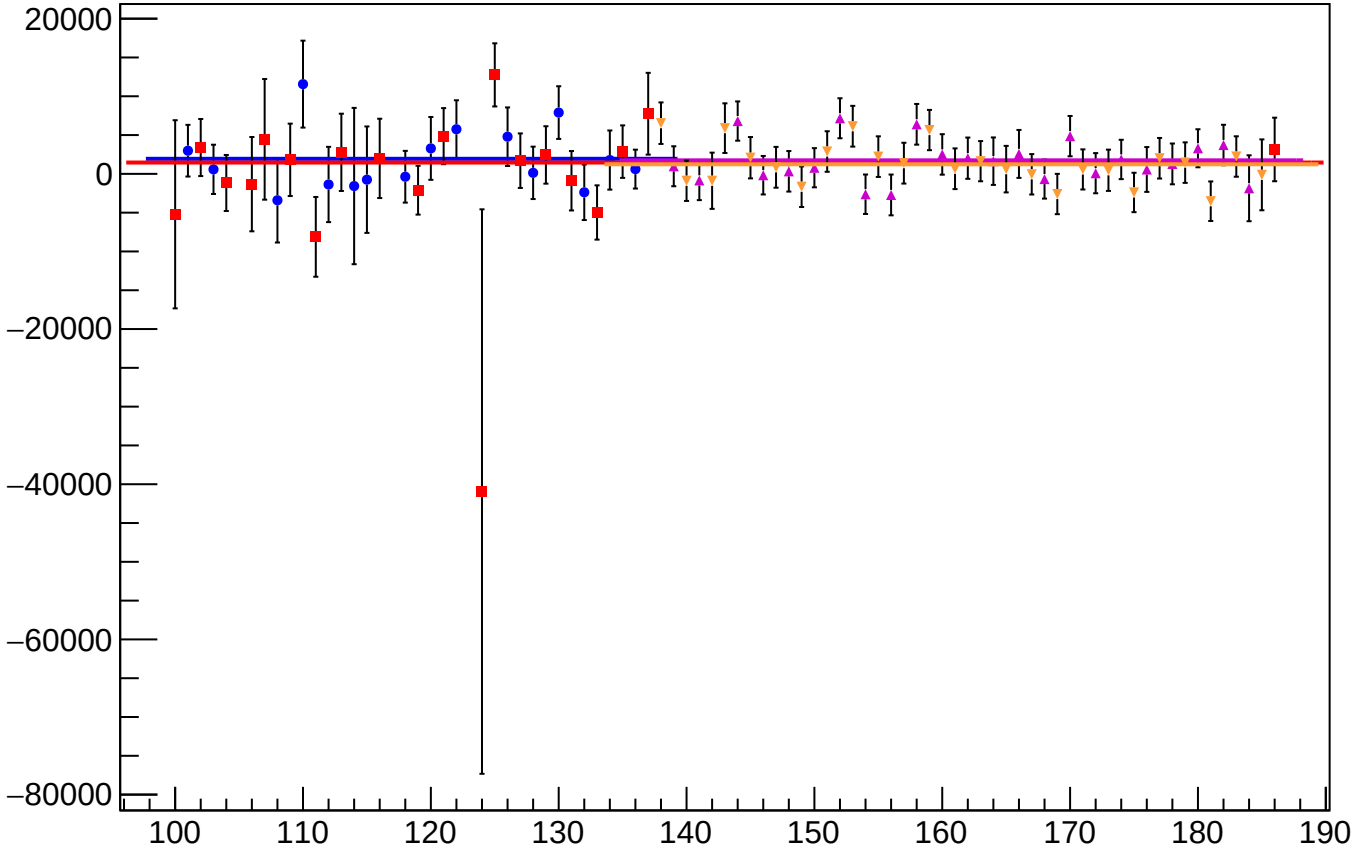
Right: 998.573+/-0.200 χ^2/NDF: 3775540.1/35

In: 681.993+/-0.104 χ^2/NDF:6932649.5/38

Out: 686.189+/-0.101 χ^2/NDF:7158002.5/44

All: 684.140+/-0.073 χ^2/NDF: 14091488.6/83

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

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

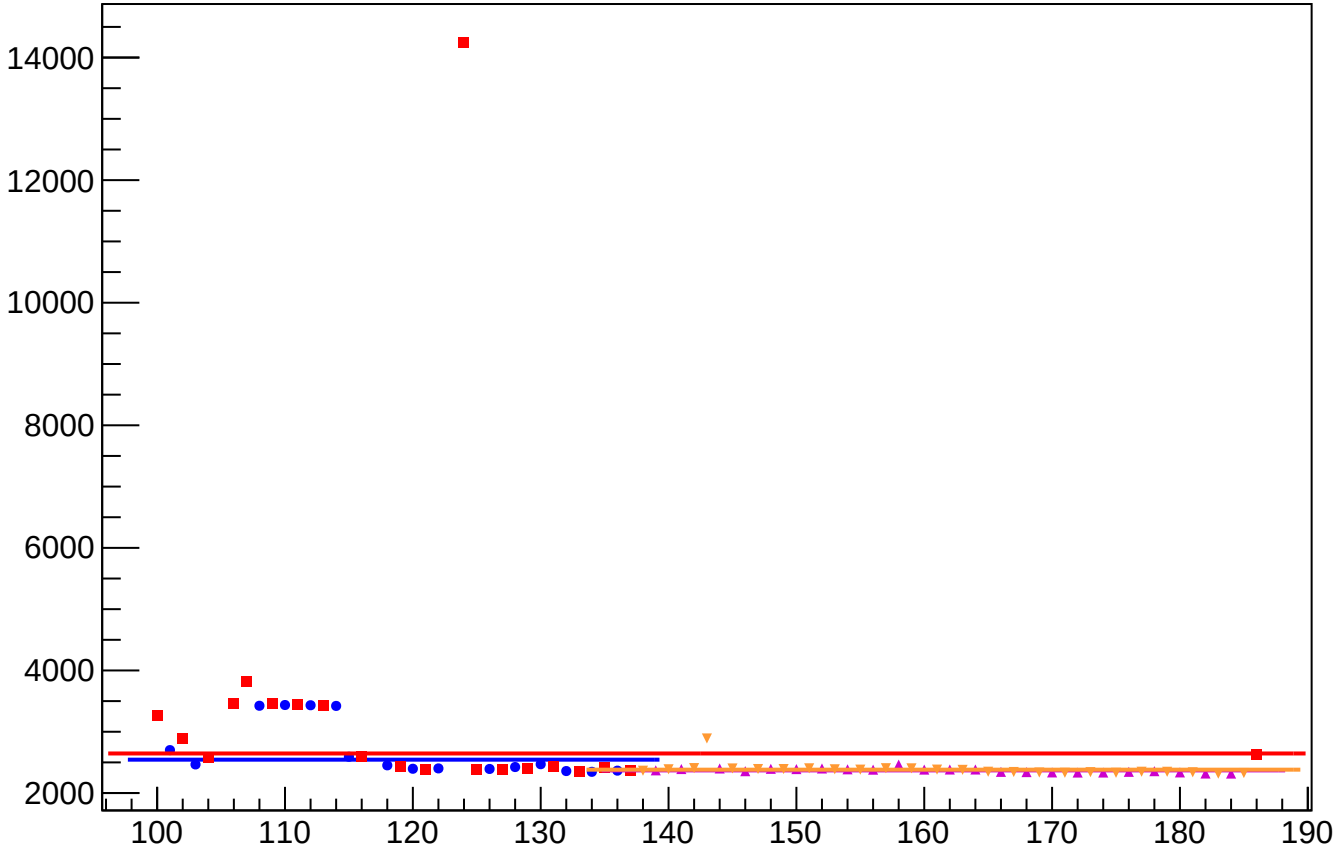
Right: 1701.692+/-675.494 χ^2/NDF: 34.2/35

In: 1791.786+/-478.411 χ^2/NDF:36.7/38

Out: 1289.365+/-471.275 χ^2/NDF:45.8/44

All: 1536.800+/-335.736 χ^2/NDF: 83.0/83

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

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

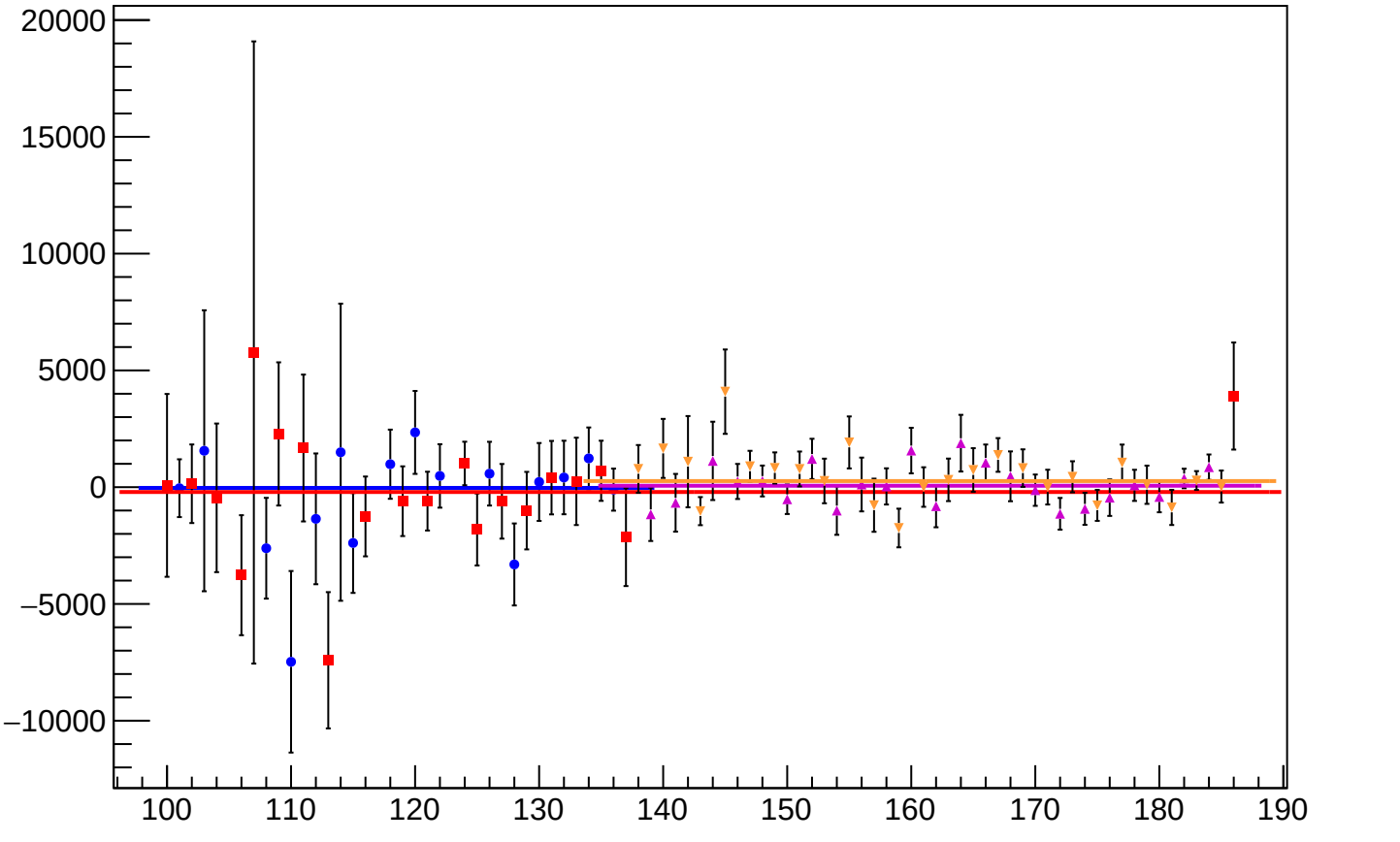
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2594.691+/-0.478 χ^2/NDF: 776384.5/35

In: 2413.537+/-0.338 χ^2/NDF:283143.5/38

Out: 2445.191+/-0.333 χ^2/NDF:712576.5/44

All: 2429.602+/-0.237 χ^2/NDF: 1000163.5/83



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

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

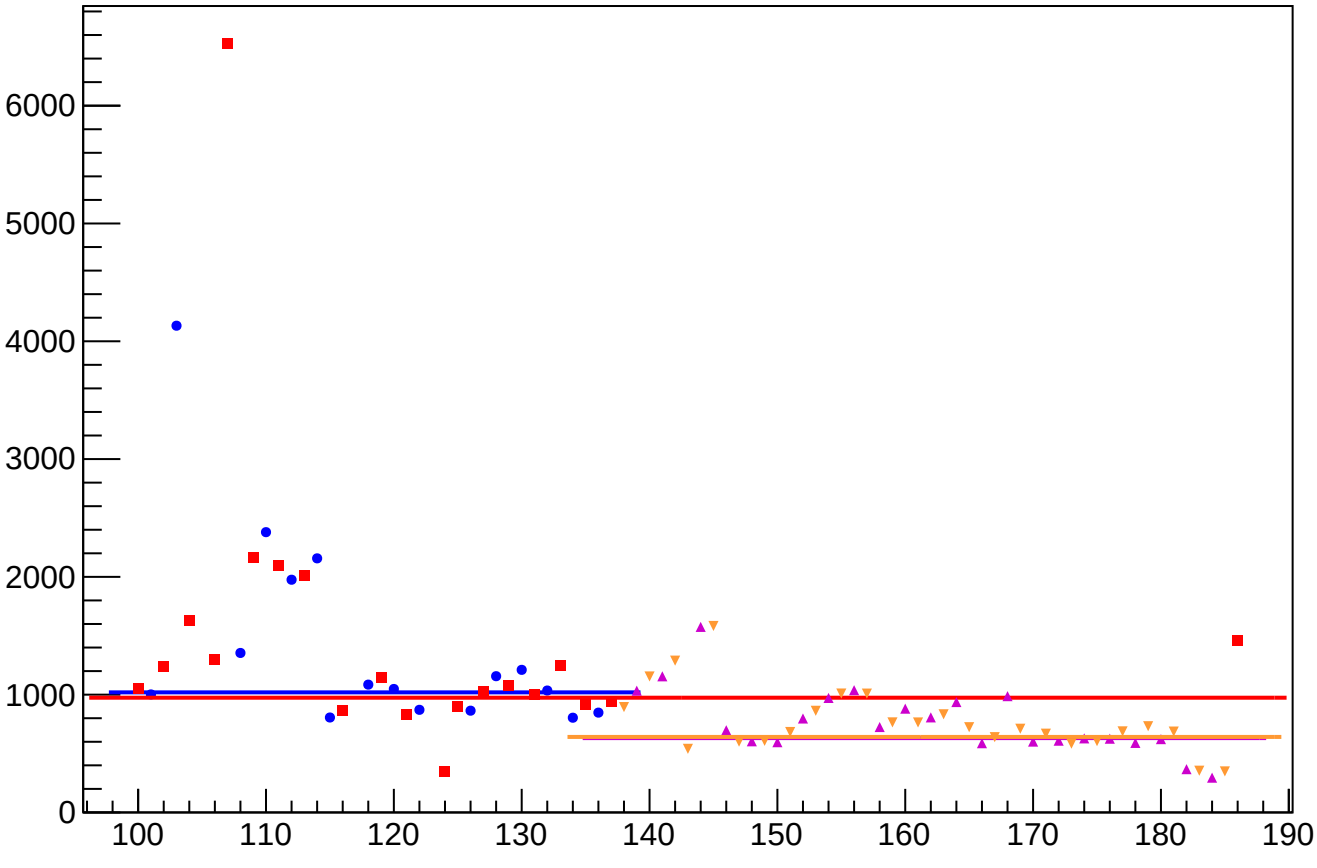
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -121.981+/-282.436 χ^2/NDF: 31.6/35

In: 49.781+/-146.739 χ^2/NDF:35.8/38

Out: 199.776+/-143.414 χ^2/NDF:50.0/44

All: 126.497+/-102.564 χ^2/NDF: 86.4/83



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

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

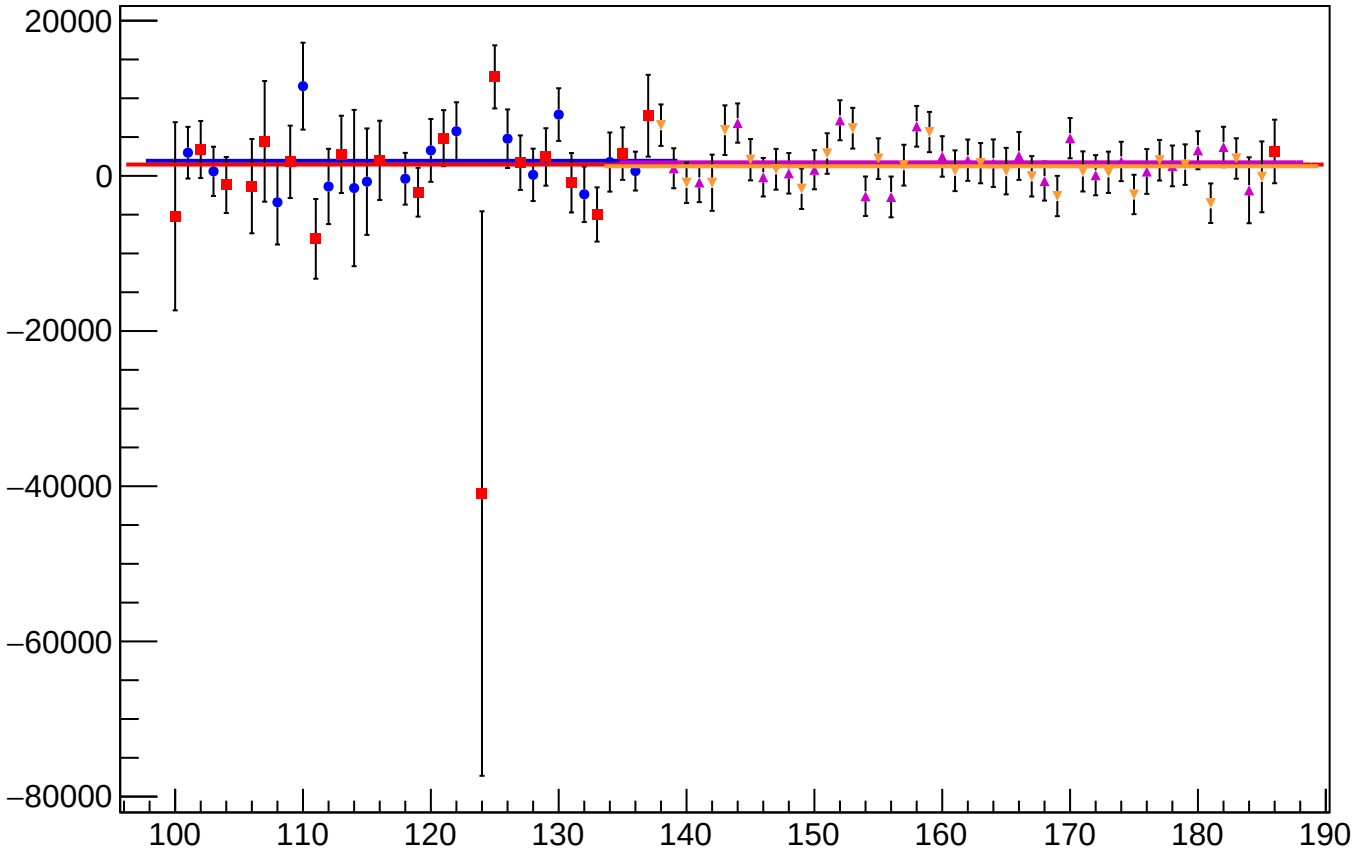
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 996.116+/-0.200 χ^2/NDF: 3815024.6/35

In: 681.991+/-0.104 χ^2/NDF:6932739.4/38

Out: 685.414+/-0.101 χ^2/NDF:7154081.2/44

All: 683.742+/-0.073 χ^2/NDF: 14087377.4/83



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

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

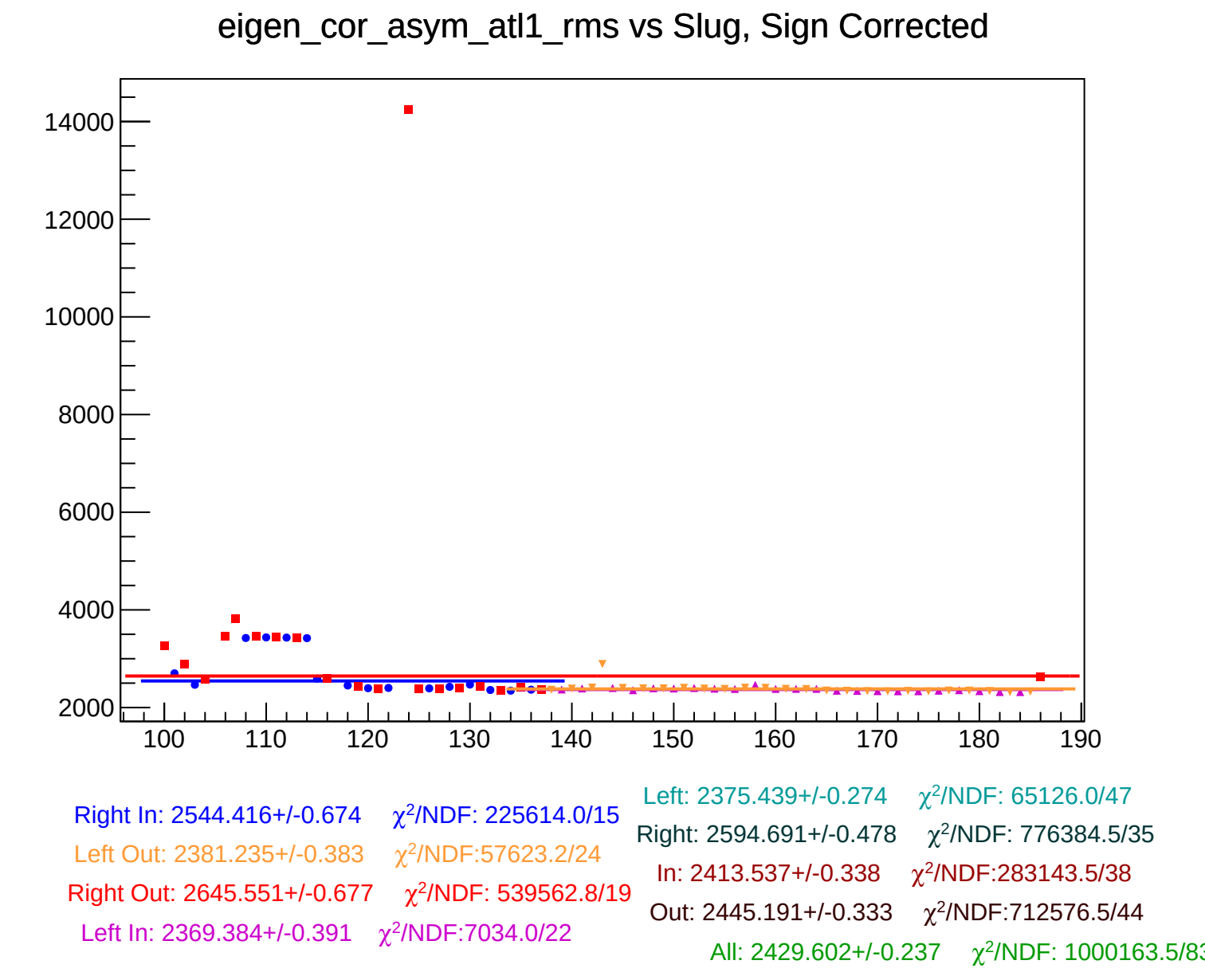
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

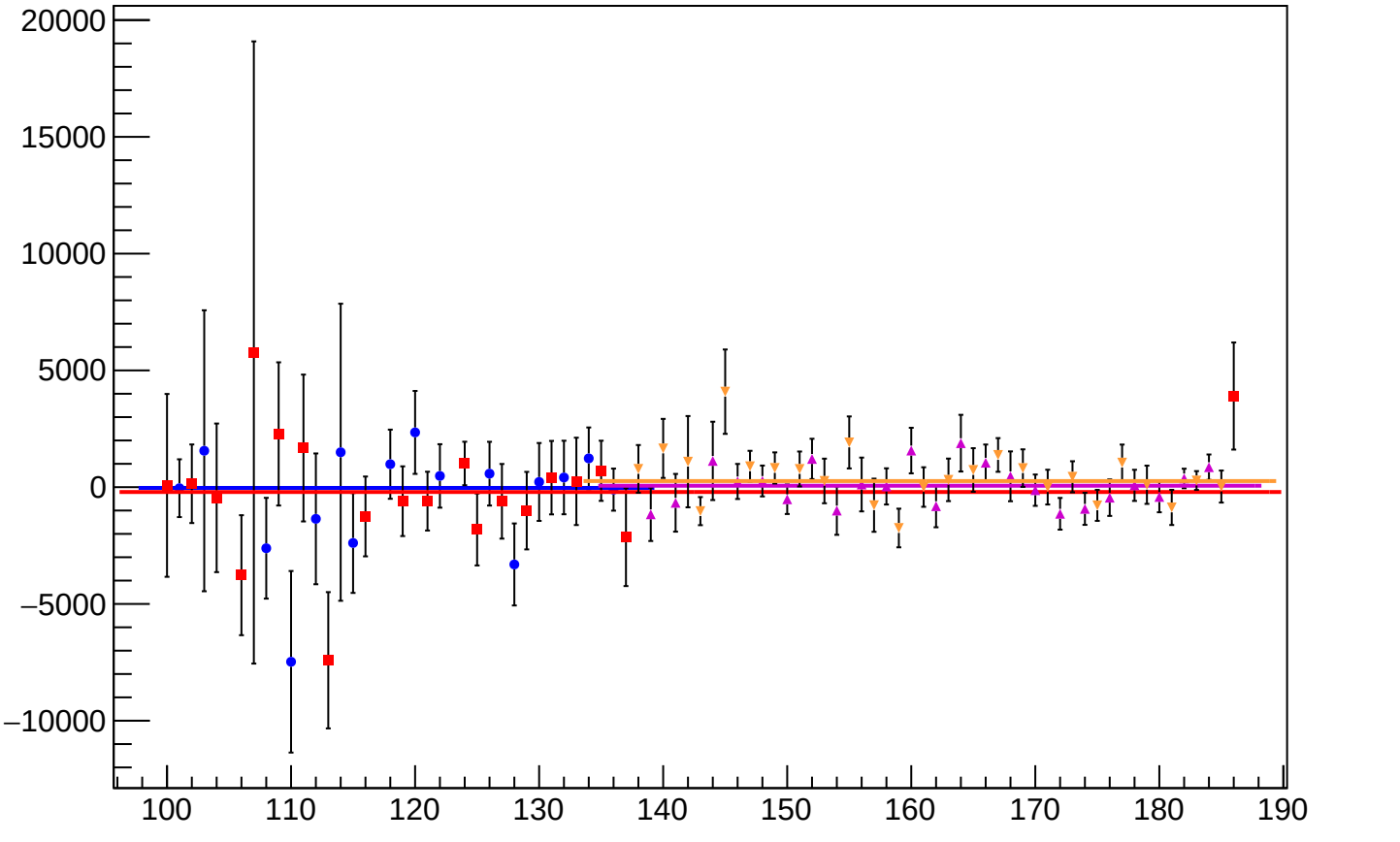
Right: 1701.692+/-675.494 χ^2/NDF: 34.2/35

In: 1791.786+/-478.411 χ^2/NDF:36.7/38

Out: 1289.365+/-471.275 χ^2/NDF:45.8/44

All: 1536.800+/-335.736 χ^2/NDF: 83.0/83


eigen_cor_asym_atl1_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2544.416+/-0.674 χ²/NDF: 225614.0/15
Left Out: 2381.235+/-0.383 χ²/NDF:57623.2/24
Right Out: 2645.551+/-0.677 χ²/NDF: 539562.8/19
Left In: 2369.384+/-0.391 χ²/NDF:7034.0/22
Left: 2375.439+/-0.274 χ²/NDF: 65126.0/47
Right: 2594.691+/-0.478 χ²/NDF: 776384.5/35
In: 2413.537+/-0.338 χ²/NDF:283143.5/38
Out: 2445.191+/-0.333 χ²/NDF:712576.5/44
All: 2429.602+/-0.237 χ²/NDF: 1000163.5/83



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

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

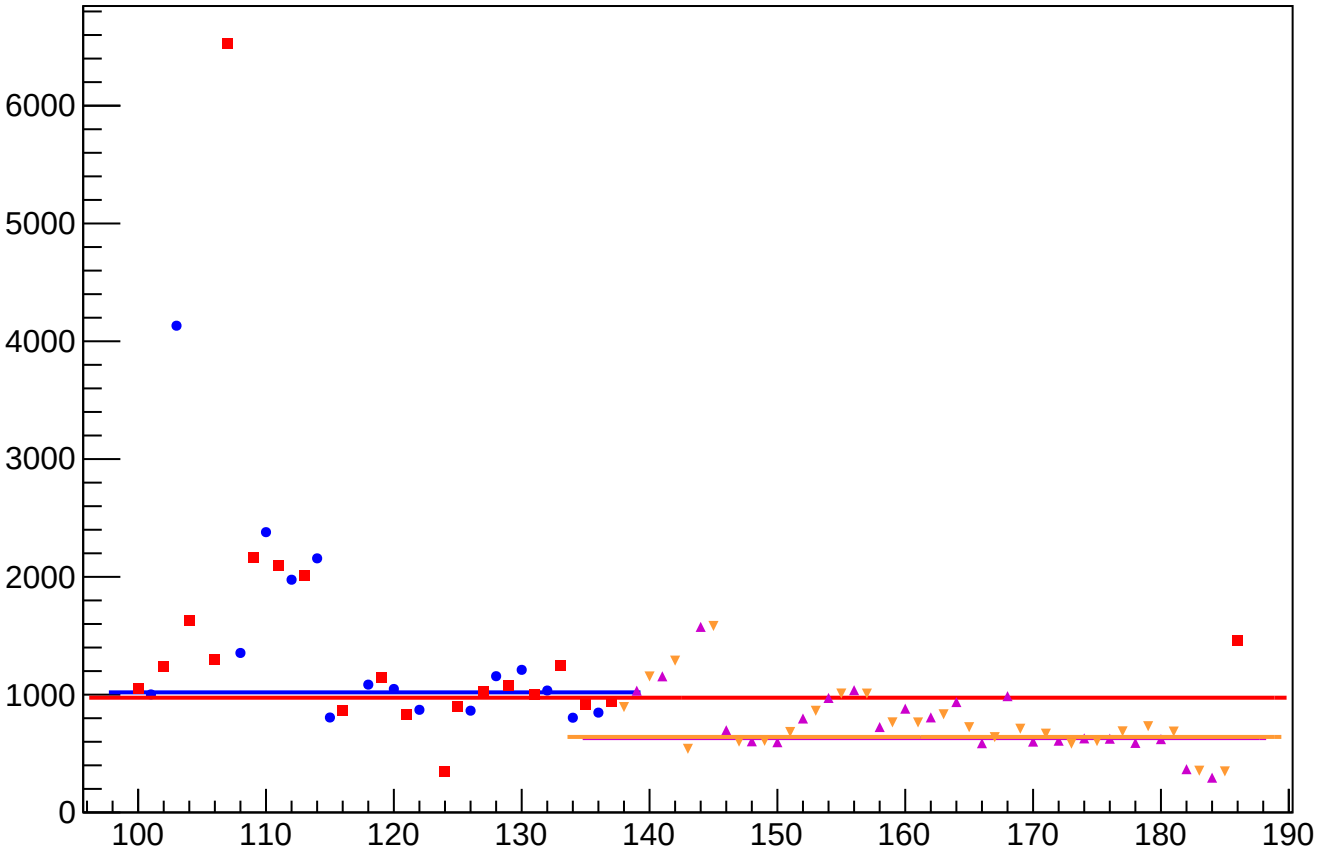
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -121.981+/-282.436 χ^2/NDF: 31.6/35

In: 49.781+/-146.739 χ^2/NDF:35.8/38

Out: 199.776+/-143.414 χ^2/NDF:50.0/44

All: 126.497+/-102.564 χ^2/NDF: 86.4/83



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

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

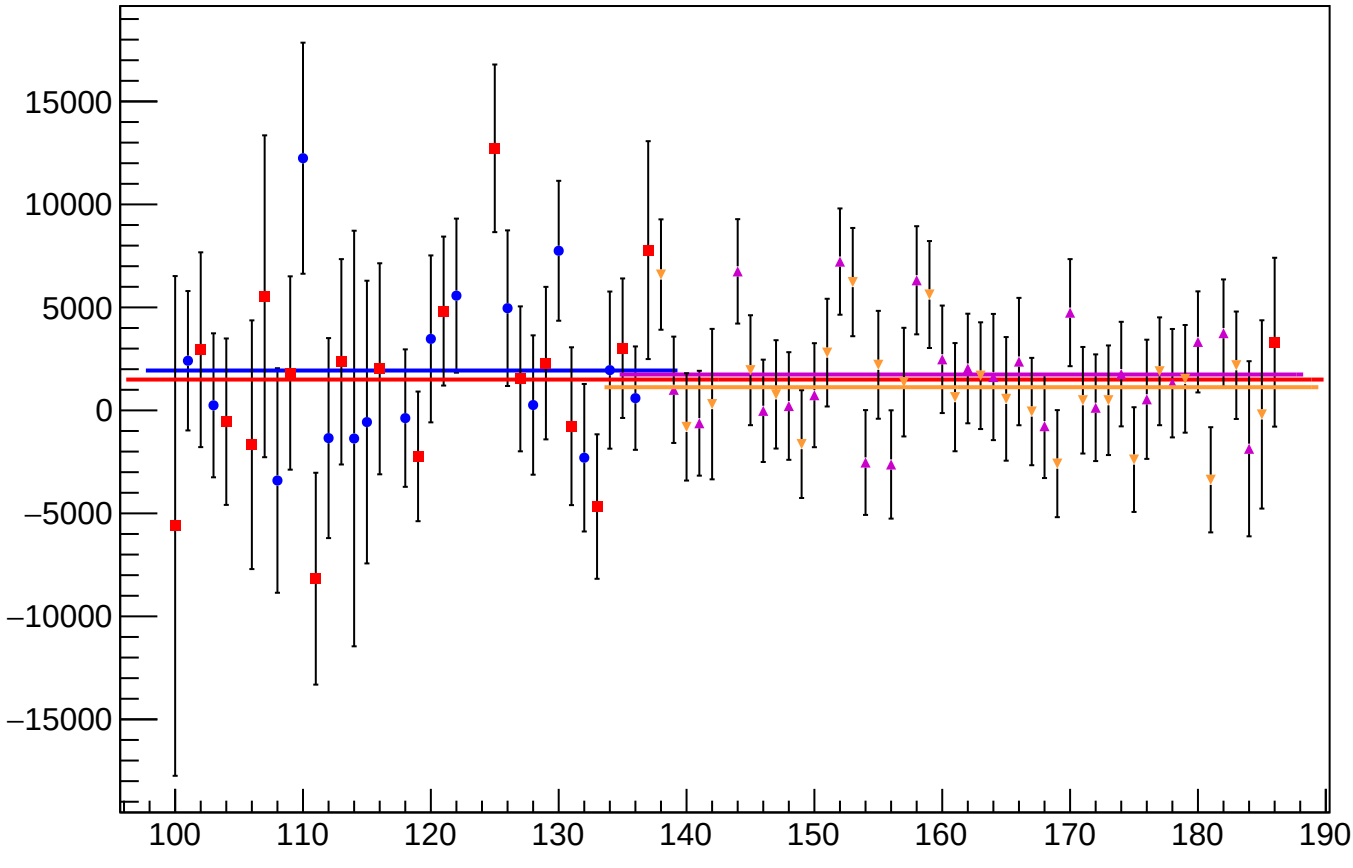
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 996.116+/-0.200 χ^2/NDF: 3815024.6/35

In: 681.991+/-0.104 χ^2/NDF:6932739.4/38

Out: 685.414+/-0.101 χ^2/NDF:7154081.2/44

All: 683.742+/-0.073 χ^2/NDF: 14087377.4/83



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

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

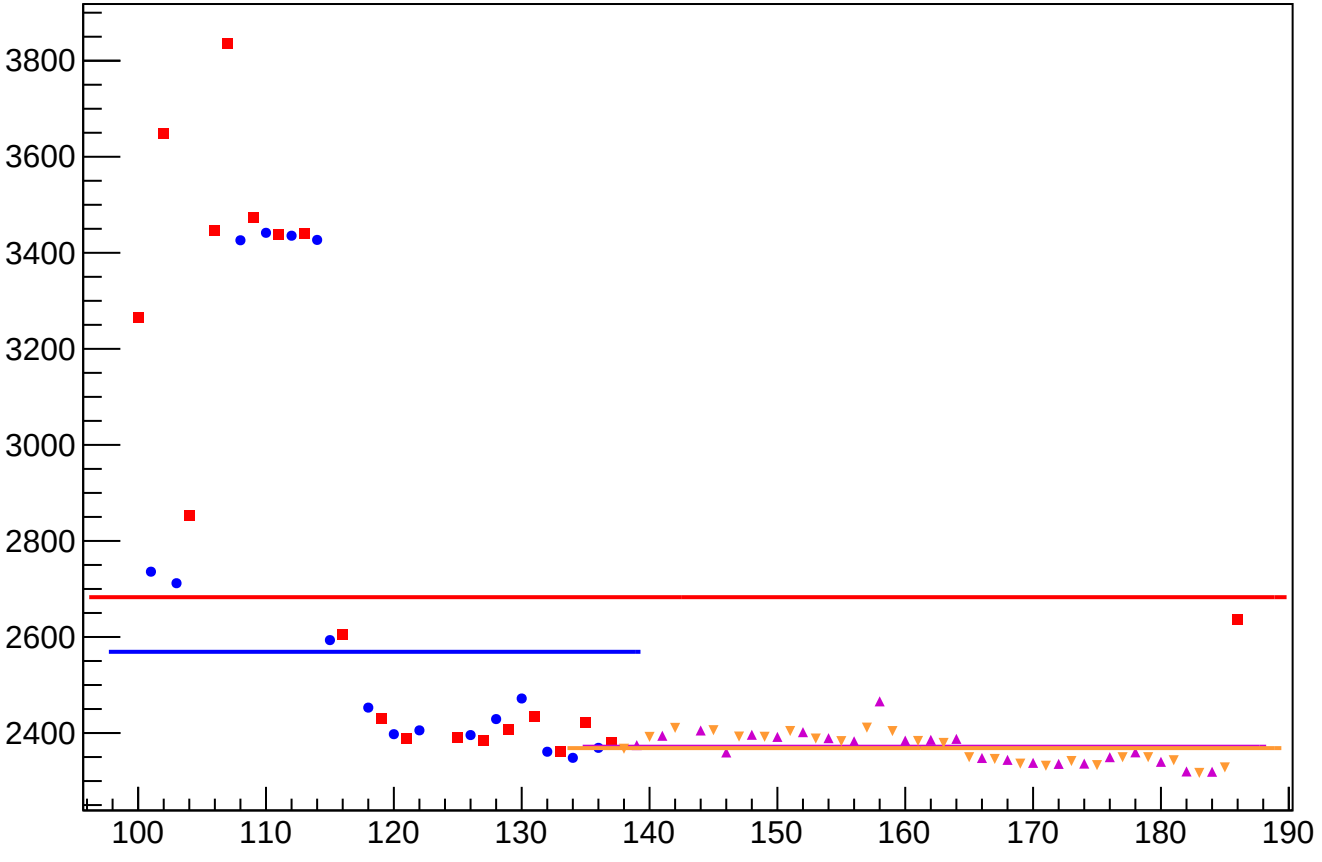
Right: 1720.671+/-686.578 χ^2/NDF: 32.4/34

In: 1790.485+/-479.963 χ^2/NDF:36.1/38

Out: 1214.616+/-479.500 χ^2/NDF:41.3/42

All: 1502.273+/-339.221 χ^2/NDF: 78.2/81

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

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

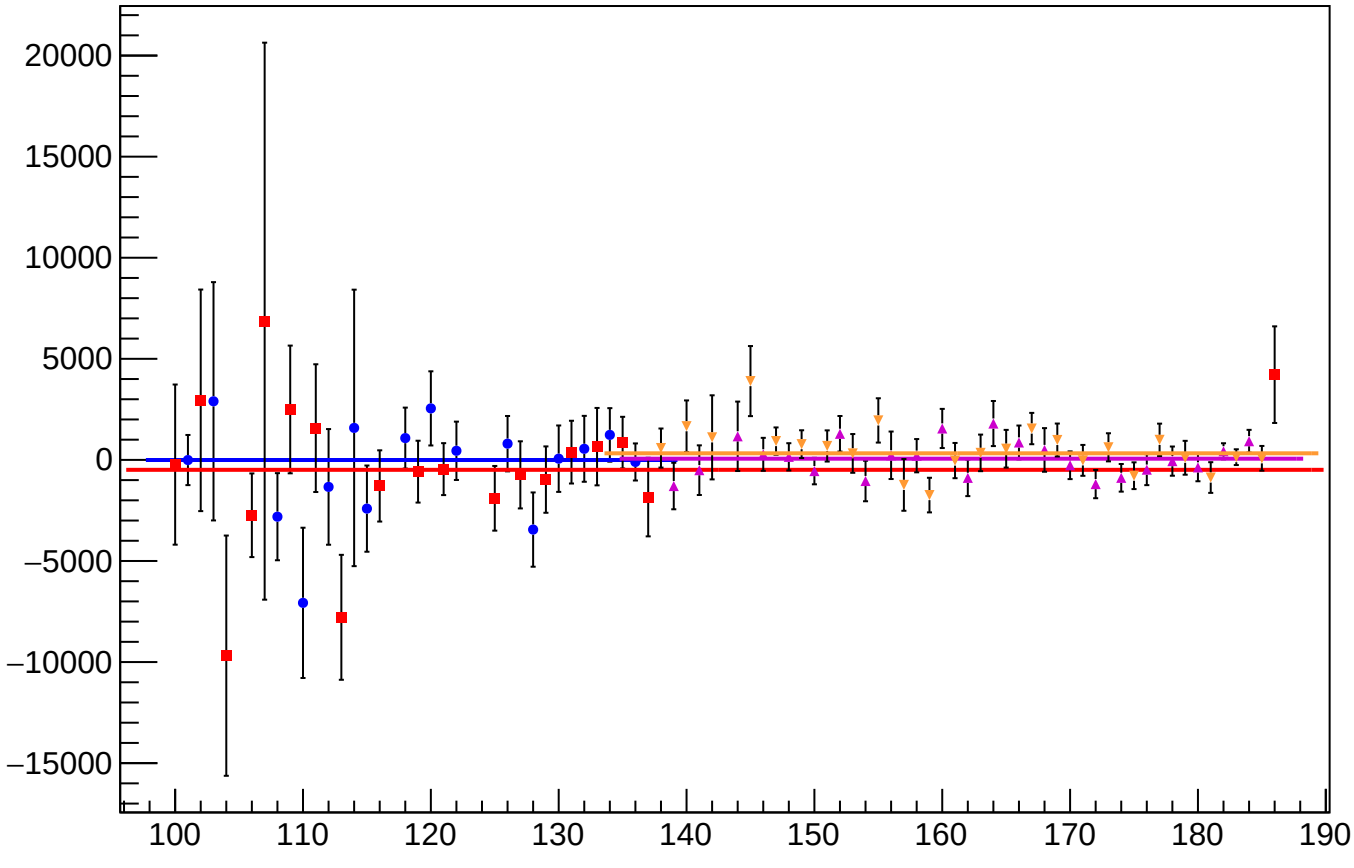
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2624.982+/-0.485 χ^2/NDF: 662741.0/34

In: 2420.675+/-0.339 χ^2/NDF:299898.2/38

Out: 2443.840+/-0.339 χ^2/NDF:581621.0/42

All: 2432.269+/-0.240 χ^2/NDF: 883850.8/81



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

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

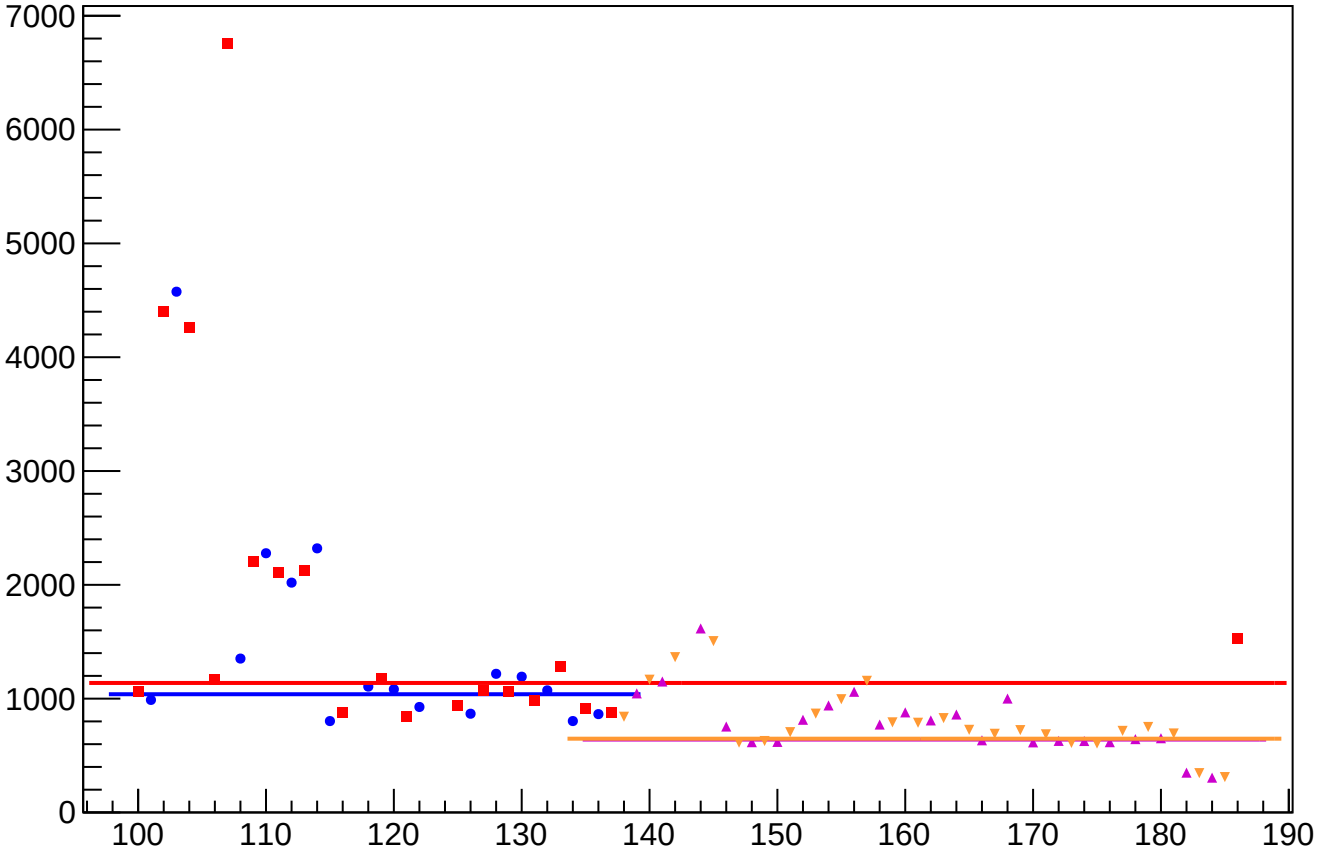
Right: -225.753+/-304.648 χ^2/NDF: 33.5/34

In: 51.167+/-148.892 χ^2/NDF:37.2/38

Out: 234.997+/-150.871 χ^2/NDF:48.1/42

All: 141.868+/-105.975 χ^2/NDF: 86.1/81

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

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

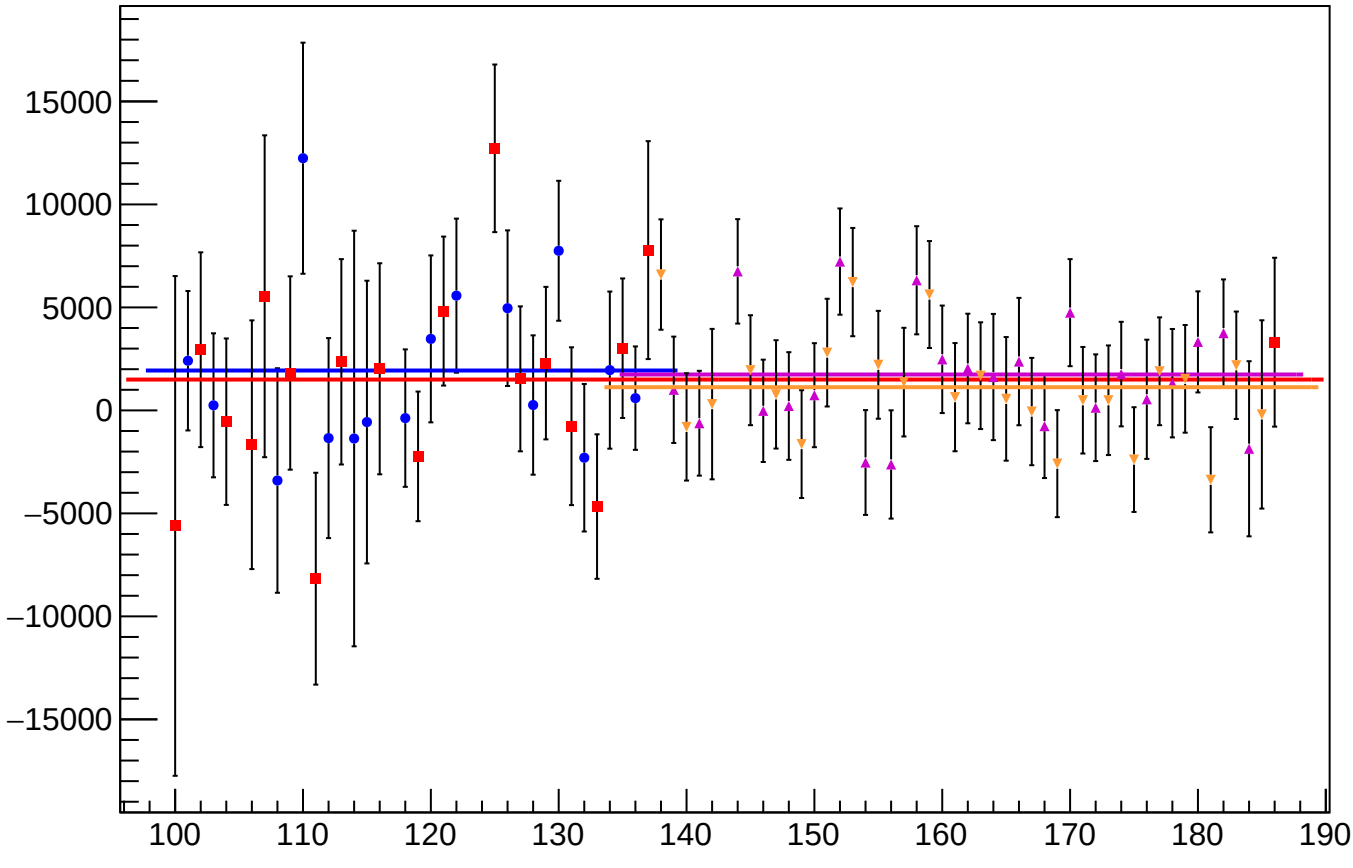
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 1083.749+/-0.215 χ^2/NDF: 4181893.5/34

In: 692.388+/-0.105 χ^2/NDF:7292573.0/38

Out: 702.615+/-0.107 χ^2/NDF:8561443.8/42

All: 697.434+/-0.075 χ^2/NDF: 15858672.6/81



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

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

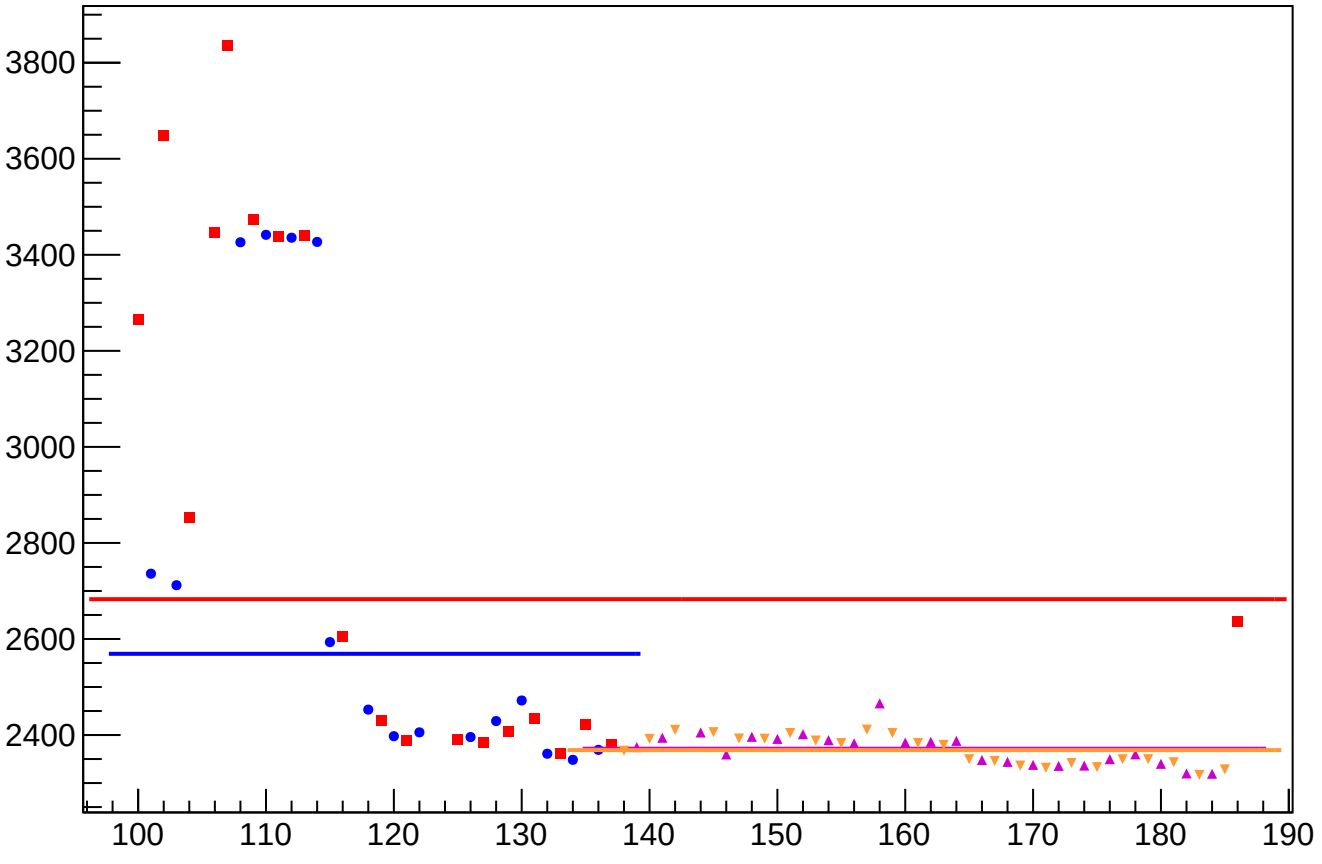
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1720.669+/-686.578 χ^2/NDF: 32.4/34

In: 1790.485+/-479.963 χ^2/NDF:36.1/38

Out: 1214.616+/-479.500 χ^2/NDF:41.3/42

All: 1502.272+/-339.221 χ^2/NDF: 78.2/81



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2682.887+/-0.693 χ^2/NDF: 419531.3/18

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

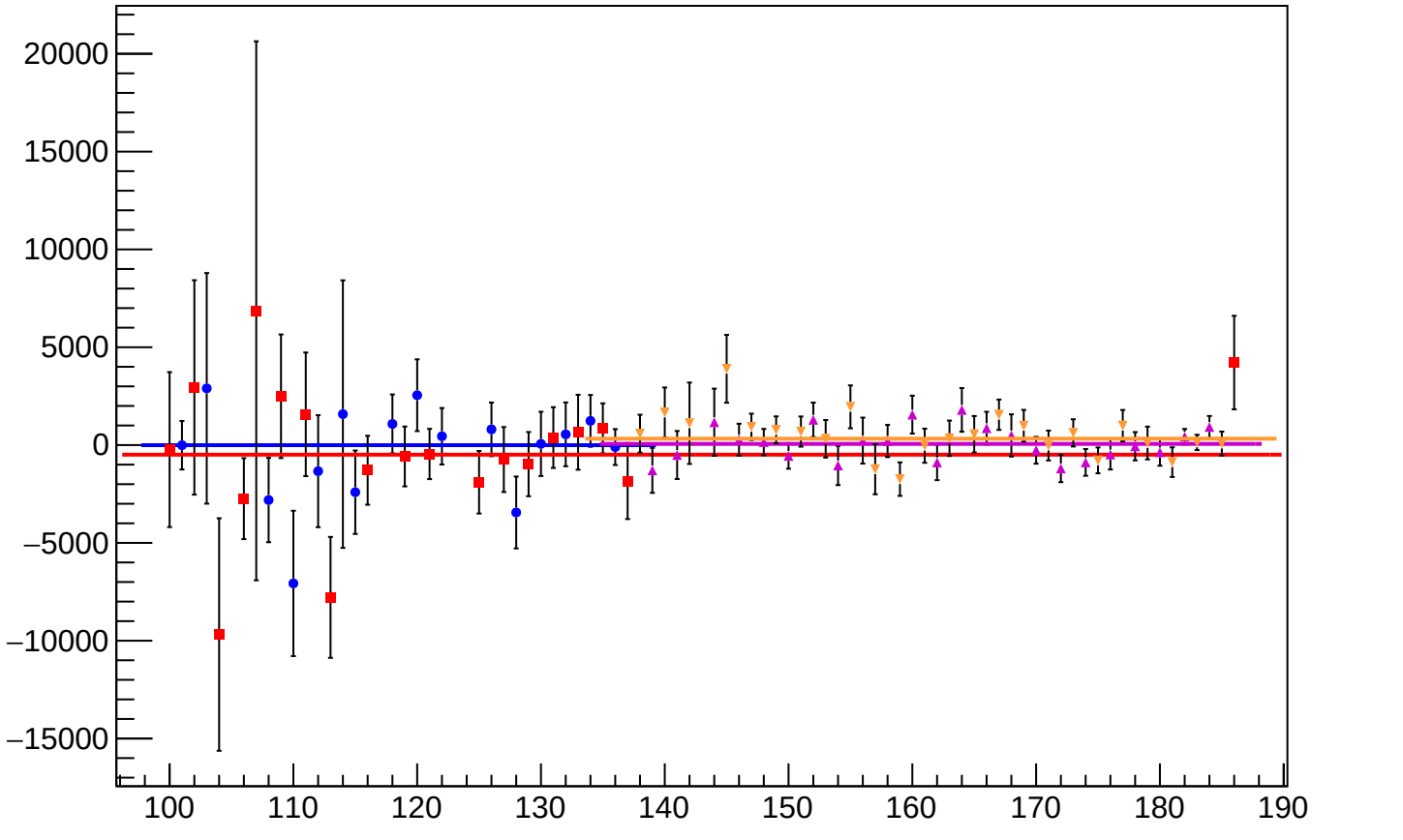
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2624.982+/-0.485 χ^2/NDF: 662740.2/34

In: 2420.675+/-0.339 χ^2/NDF:299897.7/38

Out: 2443.840+/-0.339 χ^2/NDF:581620.1/42

All: 2432.269+/-0.240 χ^2/NDF: 883849.4/81



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

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

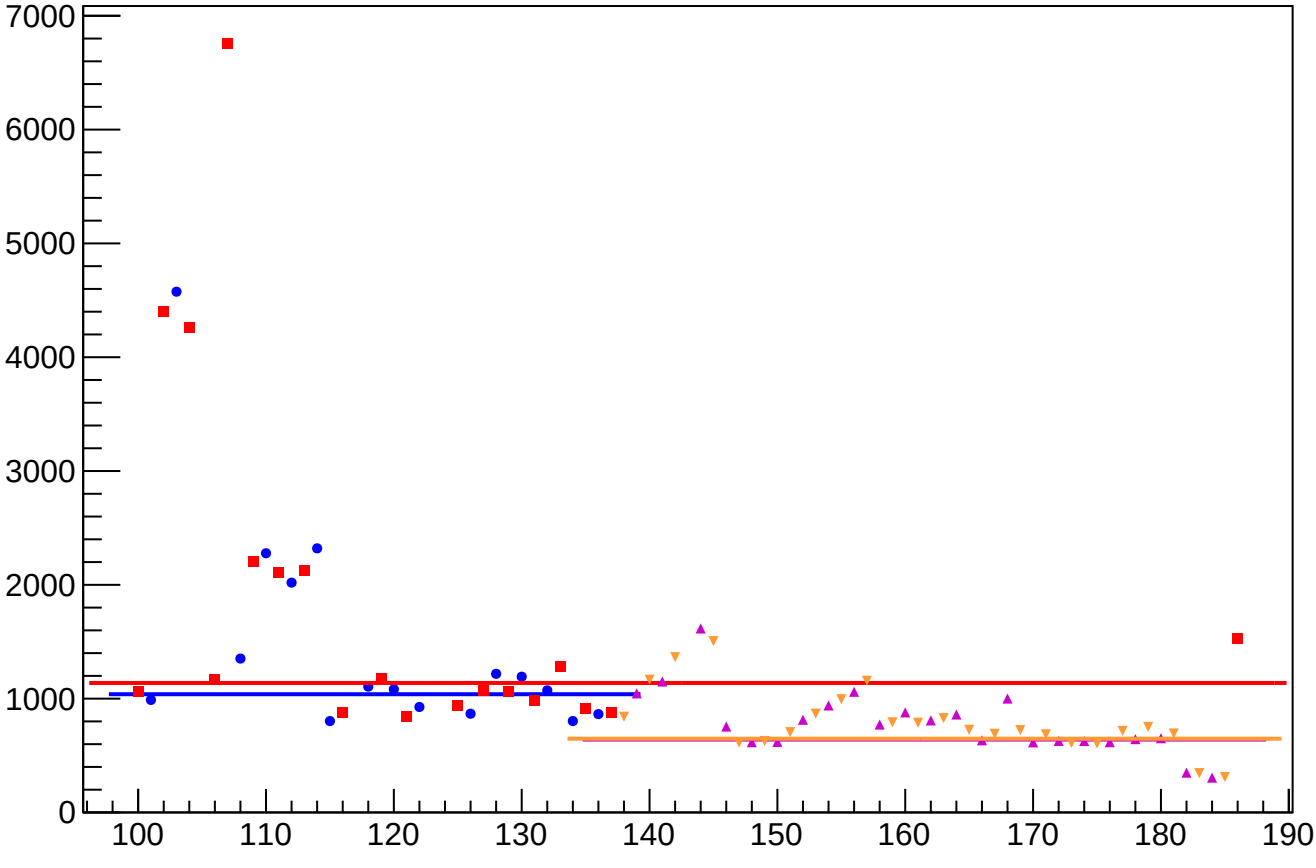
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -225.754+/-304.649 χ^2/NDF: 33.5/34

In: 51.167+/-148.892 χ^2/NDF:37.2/38

Out: 234.996+/-150.871 χ^2/NDF:48.1/42

All: 141.868+/-105.975 χ^2/NDF: 86.1/81



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

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

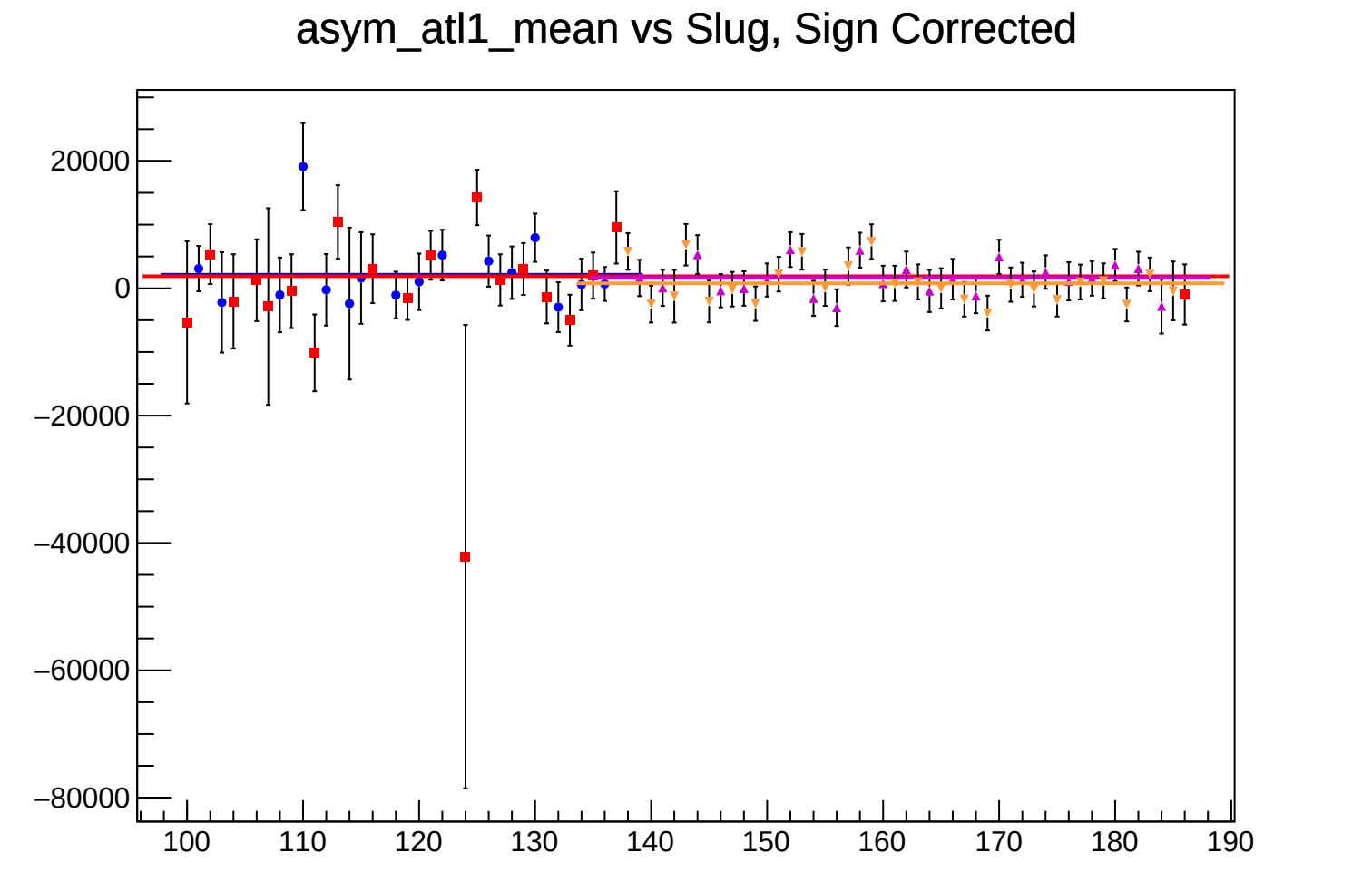
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 1083.750+/-0.215 χ^2/NDF: 4181884.3/34

In: 692.389+/-0.105 χ^2/NDF:7292578.3/38

Out: 702.616+/-0.107 χ^2/NDF:8561444.0/42

All: 697.435+/-0.075 χ^2/NDF: 15858678.2/81



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

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

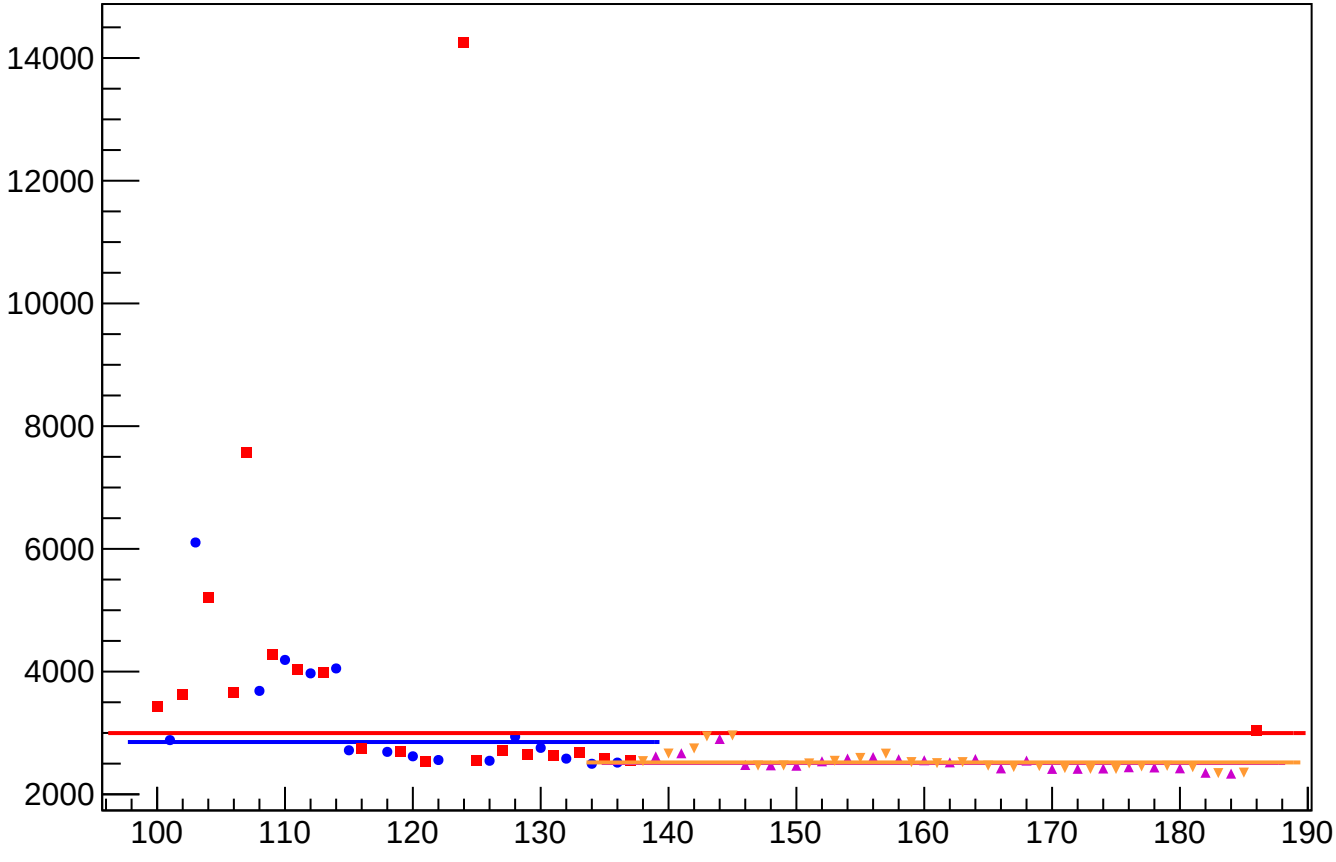
Right: 2010.316+/-774.171 χ^2/NDF: 38.1/35

In: 1760.428+/-516.095 χ^2/NDF:30.8/38

Out: 1025.242+/-508.890 χ^2/NDF:52.6/44

All: 1387.667+/-362.360 χ^2/NDF: 84.5/83

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

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

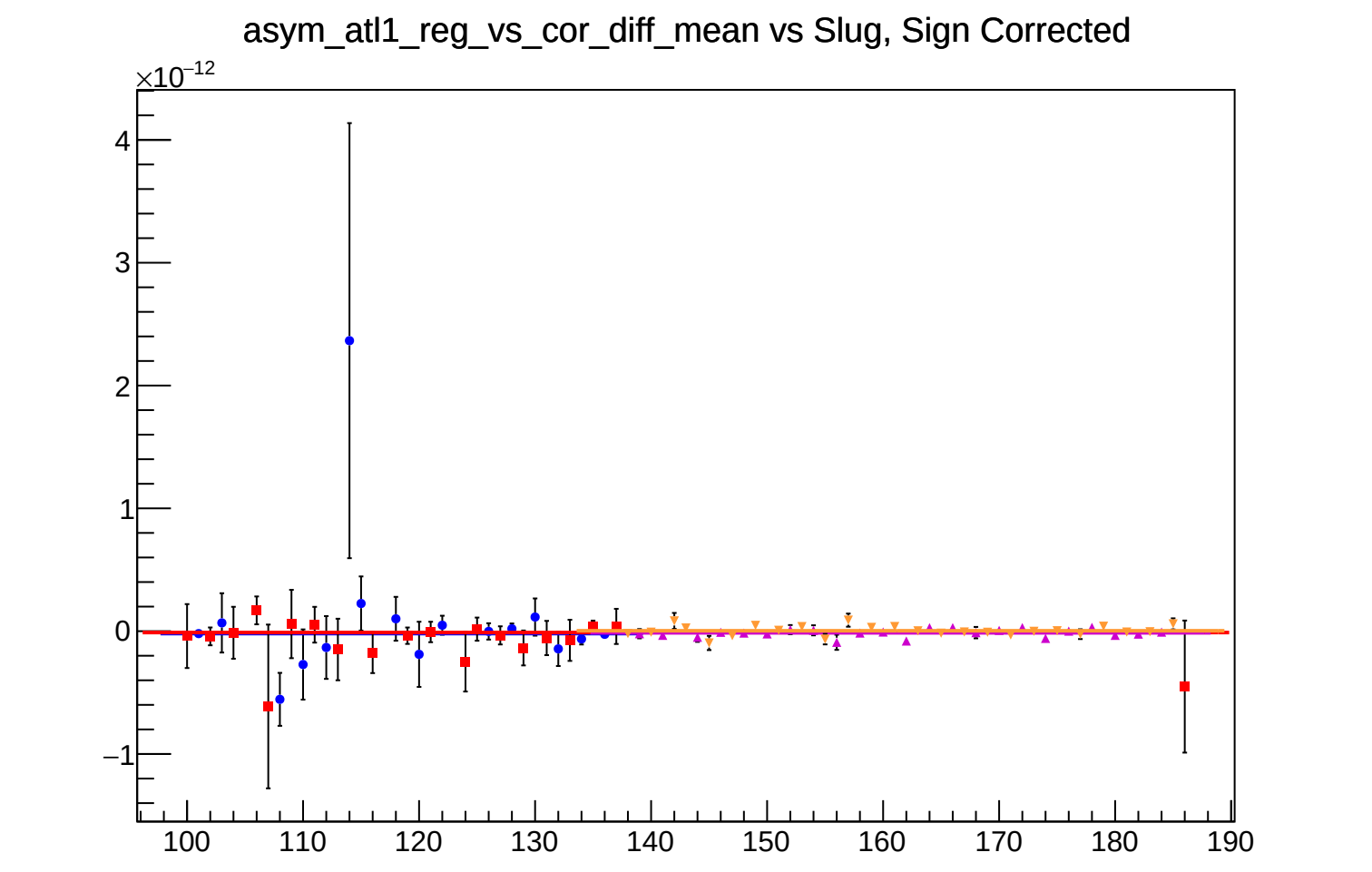
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2923.681+/-0.547 χ^2/NDF: 1645742.9/35

In: 2587.589+/-0.365 χ^2/NDF:876343.6/38

Out: 2620.924+/-0.360 χ^2/NDF:1389763.8/44

All: 2604.491+/-0.256 χ^2/NDF: 2270338.0/83



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

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

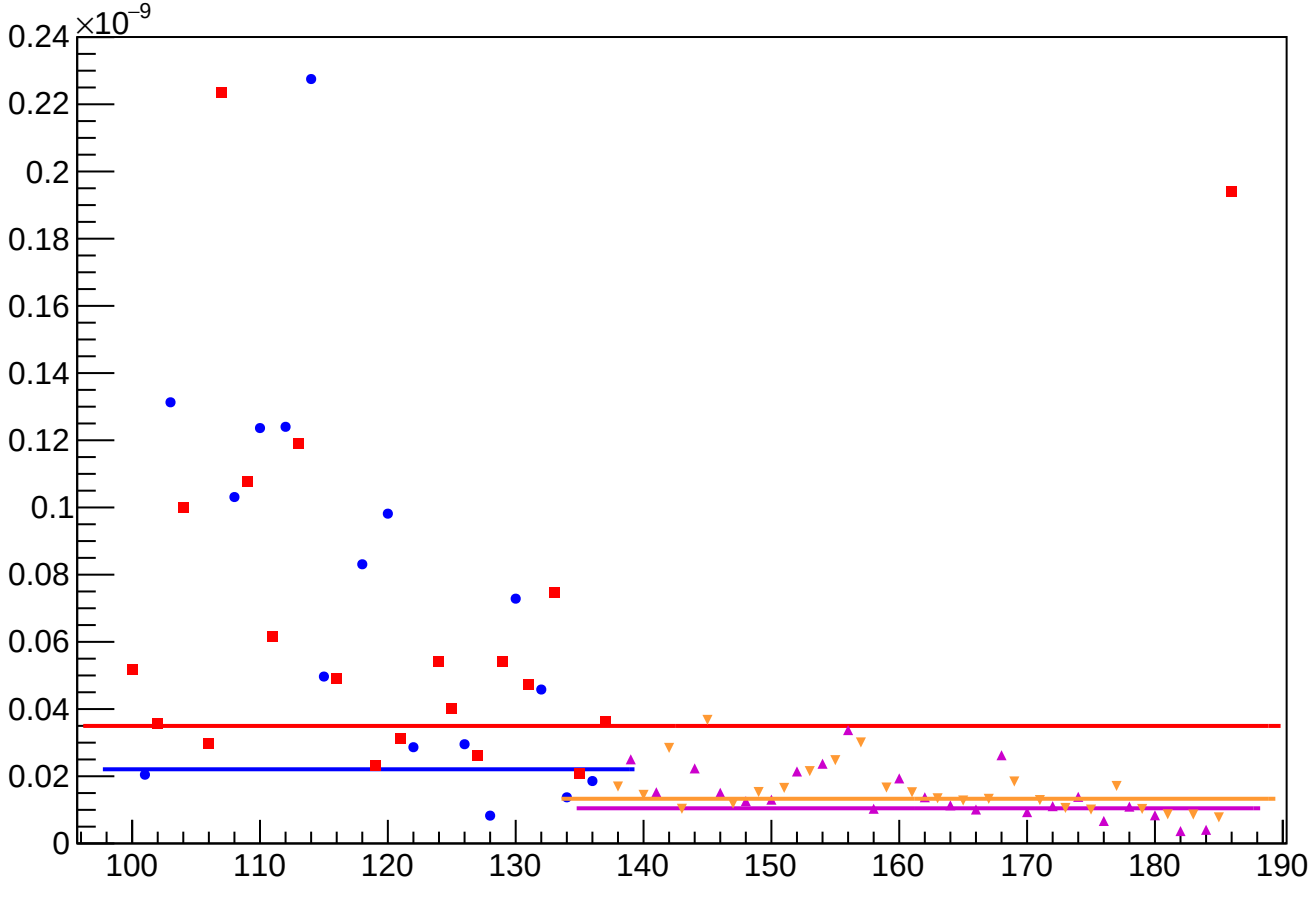
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

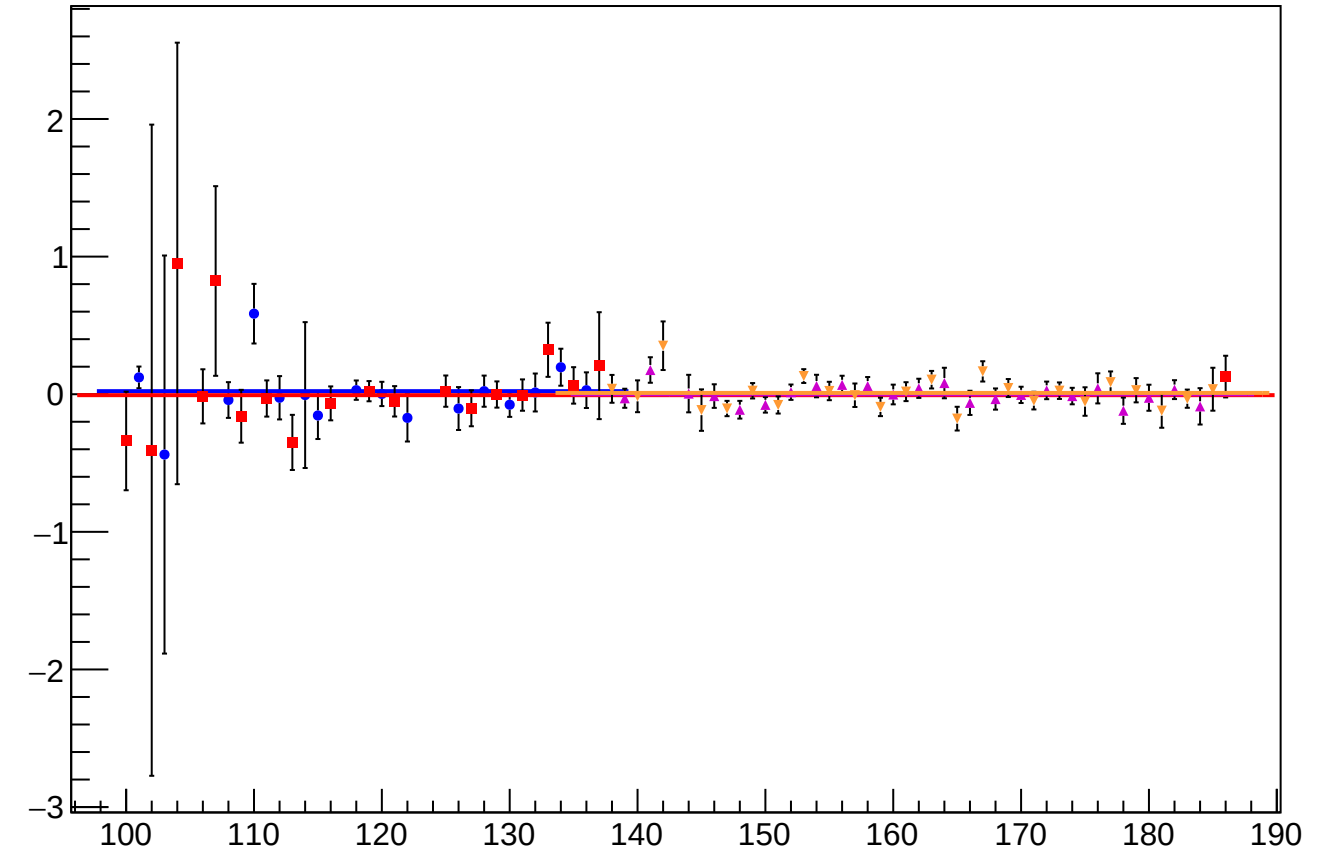
Right: -0.000+/-0.000 χ^2/NDF: 24.5/35

In: -0.000+/-0.000 χ^2/NDF:47.8/38

Out: 0.000+/-0.000 χ^2/NDF:38.1/44

All: -0.000+/-0.000 χ^2/NDF: 91.2/83


asym_atl1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2344133.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1472019.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1418698.8/19
Left In: 0.000+/-0.000 χ²/NDF:2813965.8/22
Left: 0.000+/-0.000 χ²/NDF: 4603369.9/47
Right: 0.000+/-0.000 χ²/NDF: 4137180.2/35
In: 0.000+/-0.000 χ²/NDF:6009335.0/38
Out: 0.000+/-0.000 χ²/NDF:4398476.1/44
All: 0.000+/-0.000 χ²/NDF: 10772813.5/83



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

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

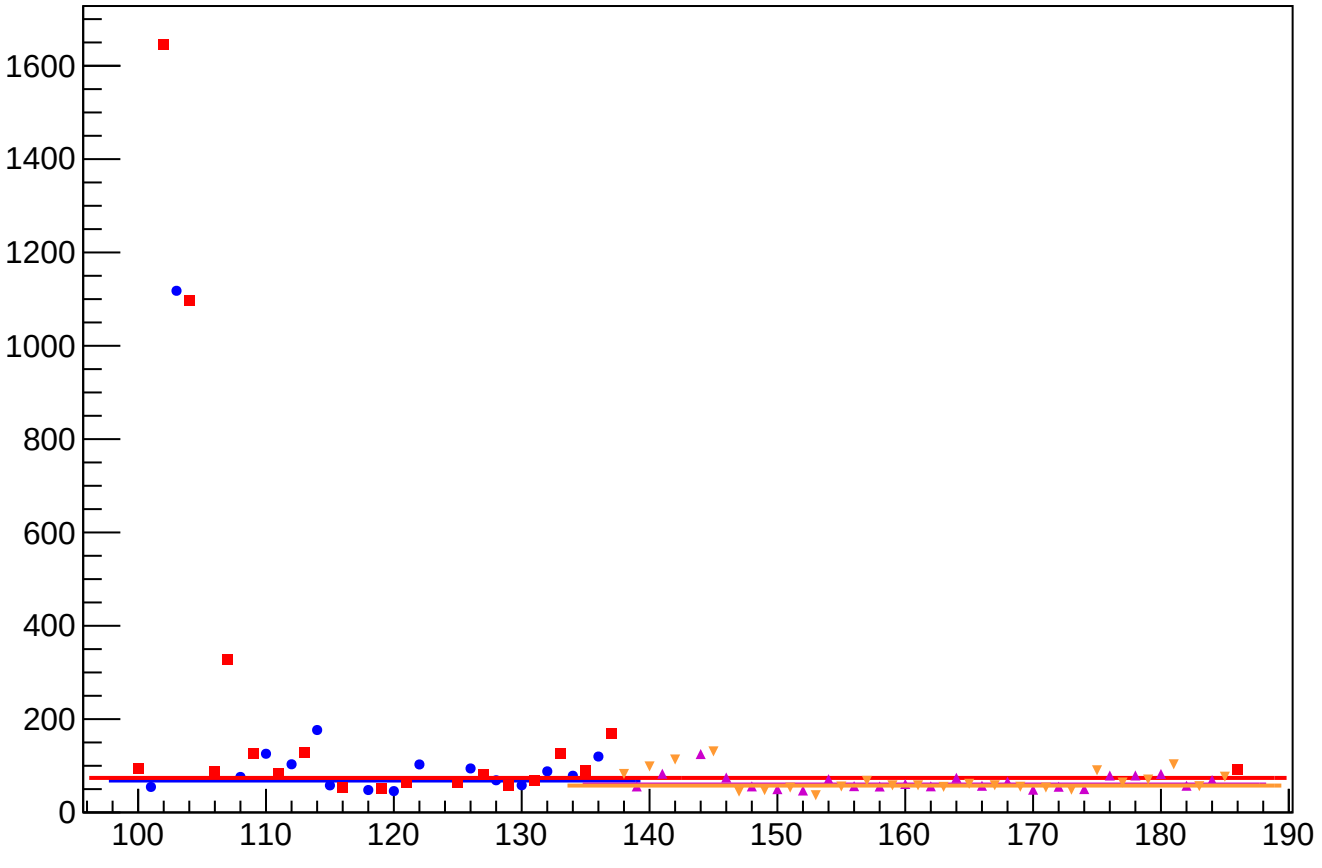
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.009+/-0.022 χ^2/NDF: 26.9/34

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.4/81



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

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

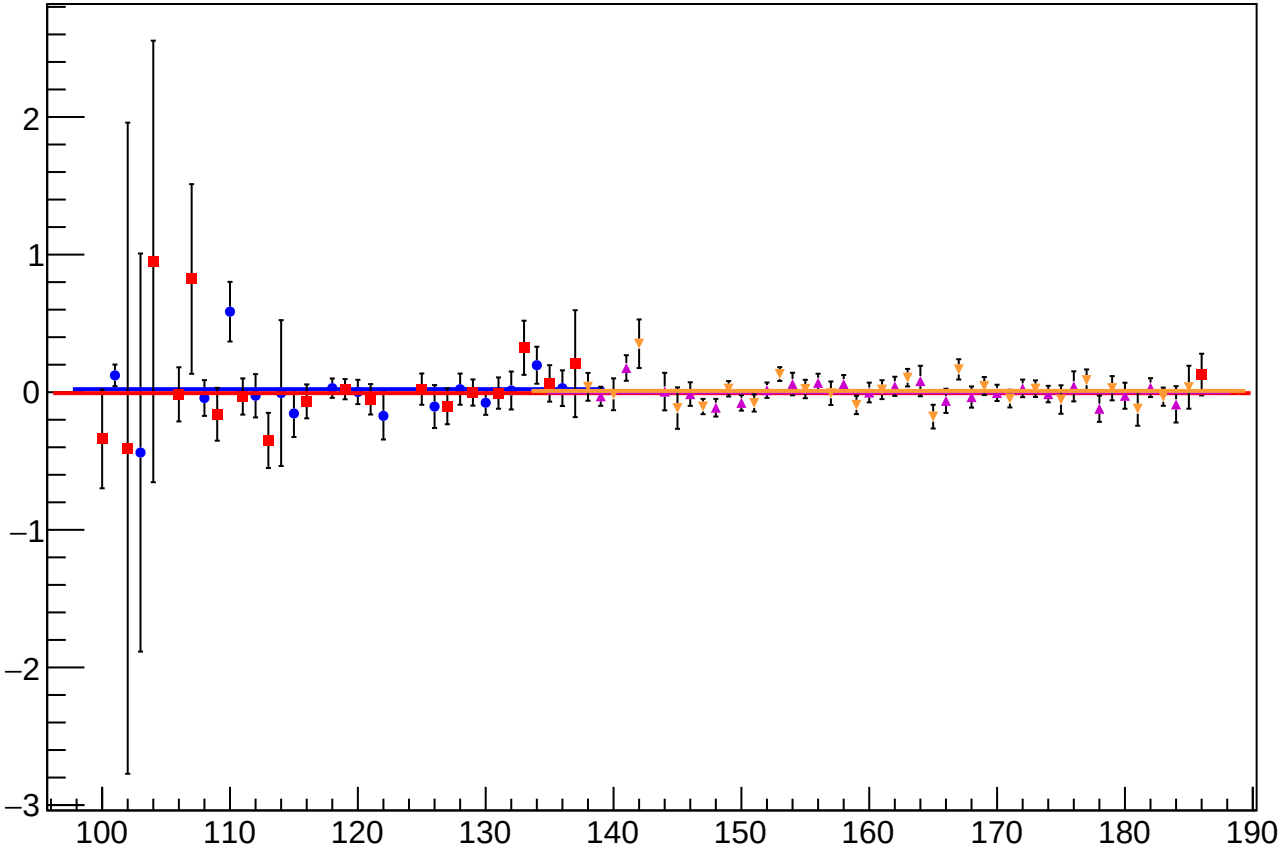
Right: 70.990+/-0.016 χ^2/NDF: 5255472.7/34

In: 61.624+/-0.010 χ^2/NDF:3747565.2/38

Out: 60.491+/-0.010 χ^2/NDF:5573622.3/42

All: 61.055+/-0.007 χ^2/NDF: 9327986.4/81

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.009+/-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

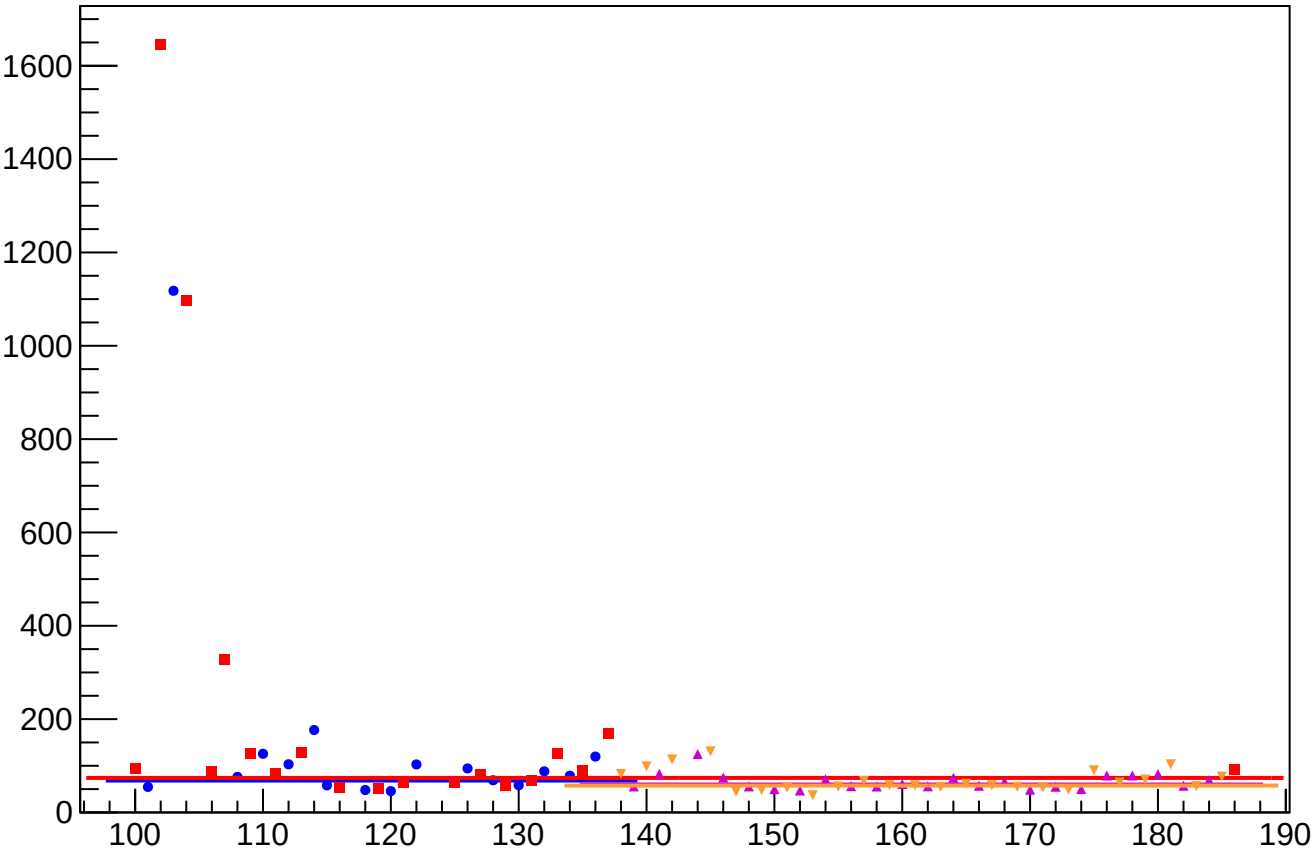
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.009+/-0.022 χ^2/NDF: 26.9/34

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.4/81



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

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

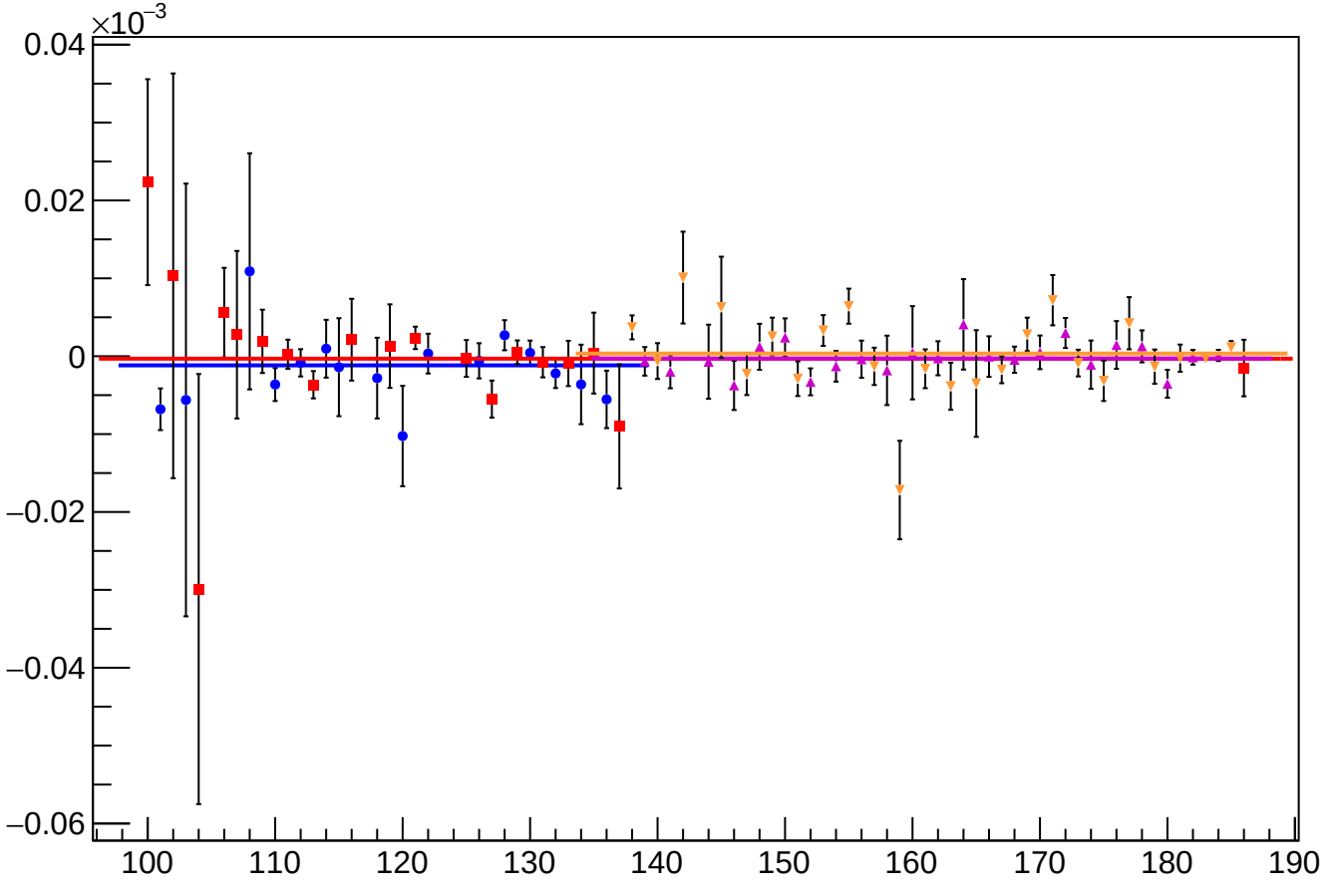
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 70.990+/-0.016 χ^2/NDF: 5255472.7/34

In: 61.624+/-0.010 χ^2/NDF:3747565.2/38

Out: 60.491+/-0.010 χ^2/NDF:5573622.3/42

All: 61.055+/-0.007 χ^2/NDF: 9327986.4/81



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

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

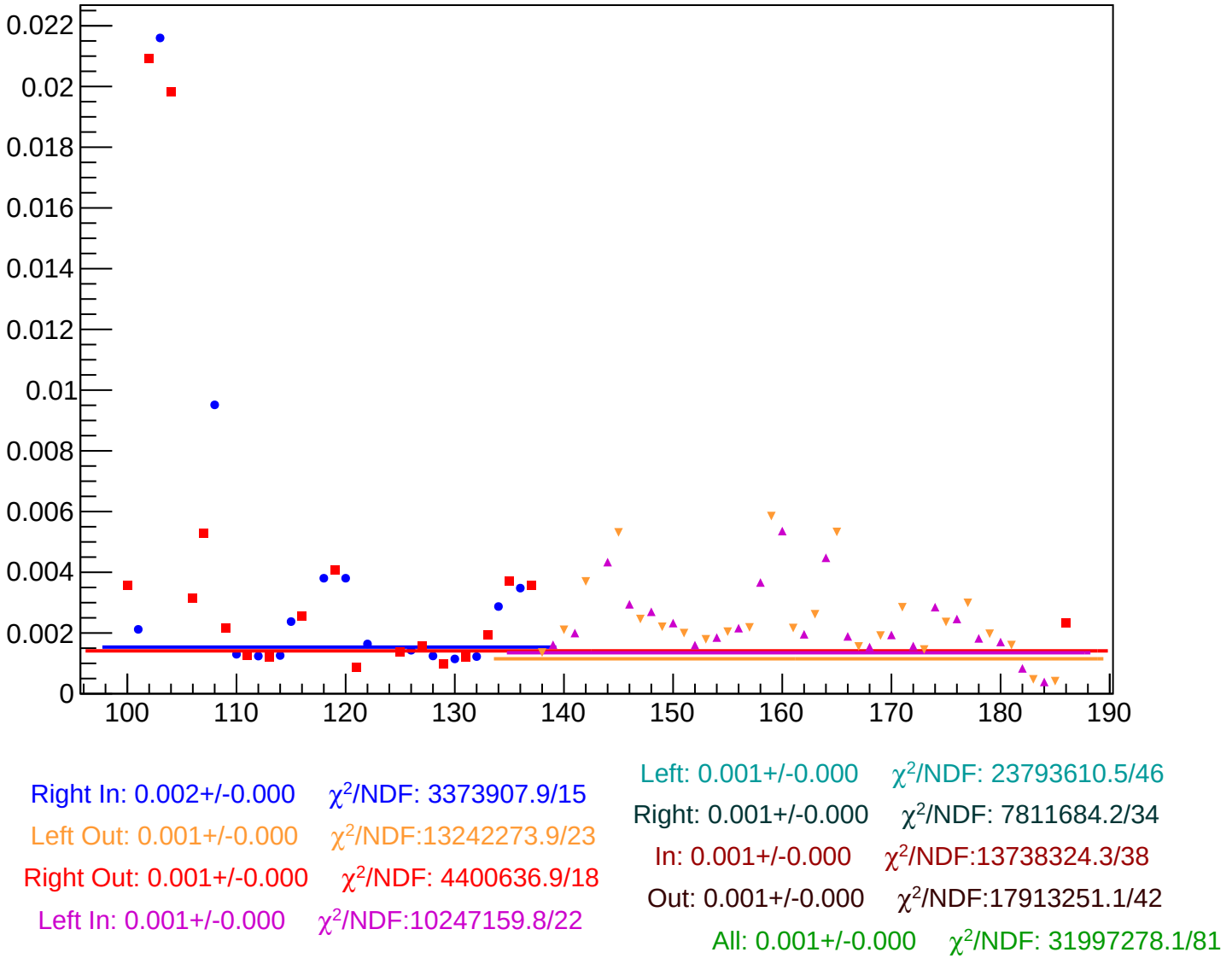
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

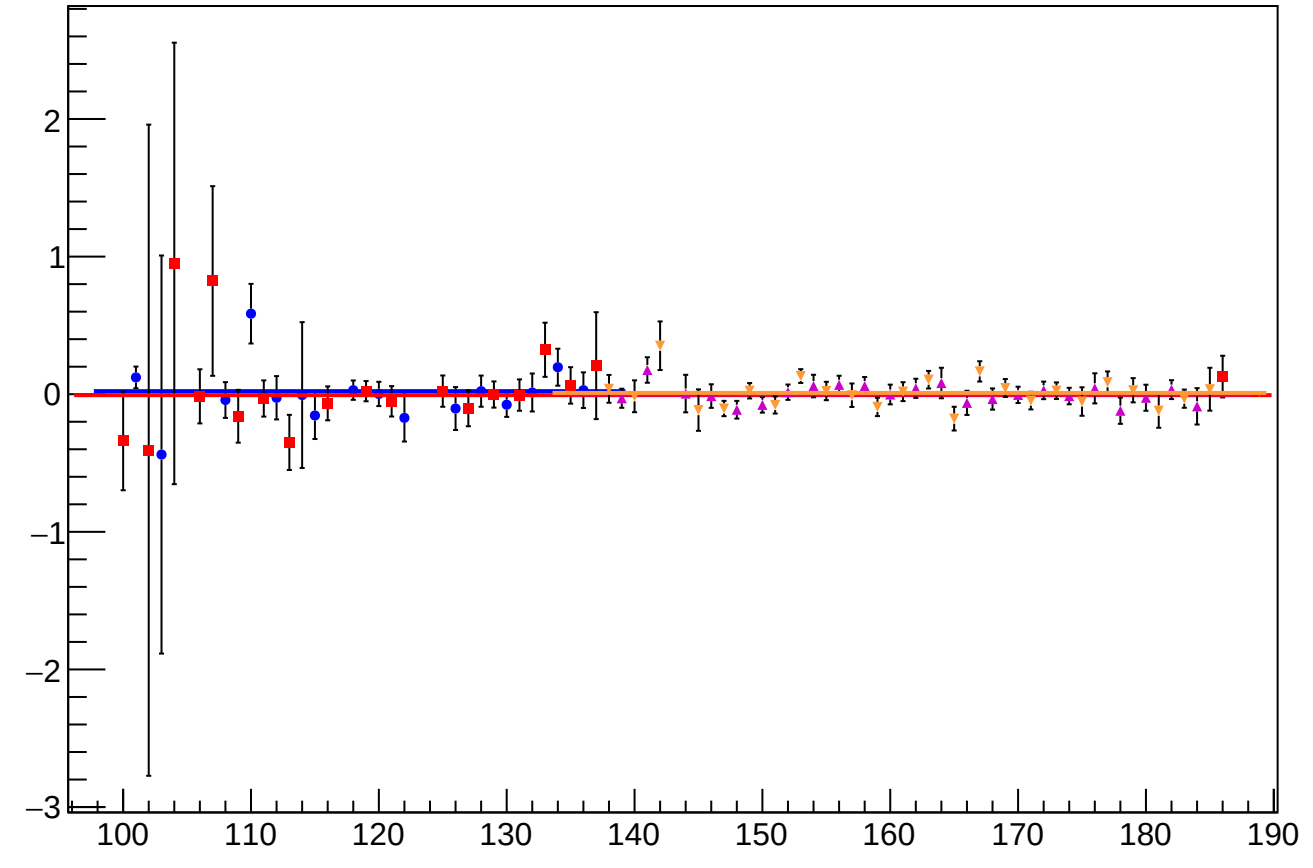
Right: -0.000+/-0.000 χ^2/NDF: 36.8/34

In: -0.000+/-0.000 χ^2/NDF:32.5/38

Out: 0.000+/-0.000 χ^2/NDF:67.3/42

All: -0.000+/-0.000 χ^2/NDF: 102.3/81


asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3373907.9/15
Left Out: 0.001+/-0.000 χ²/NDF:13242273.9/23
Right Out: 0.001+/-0.000 χ²/NDF: 4400636.9/18
Left In: 0.001+/-0.000 χ²/NDF:10247159.8/22
Left: 0.001+/-0.000 χ²/NDF: 23793610.5/46
Right: 0.001+/-0.000 χ²/NDF: 7811684.2/34
In: 0.001+/-0.000 χ²/NDF:13738324.3/38
Out: 0.001+/-0.000 χ²/NDF:17913251.1/42
All: 0.001+/-0.000 χ²/NDF: 31997278.1/81



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

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

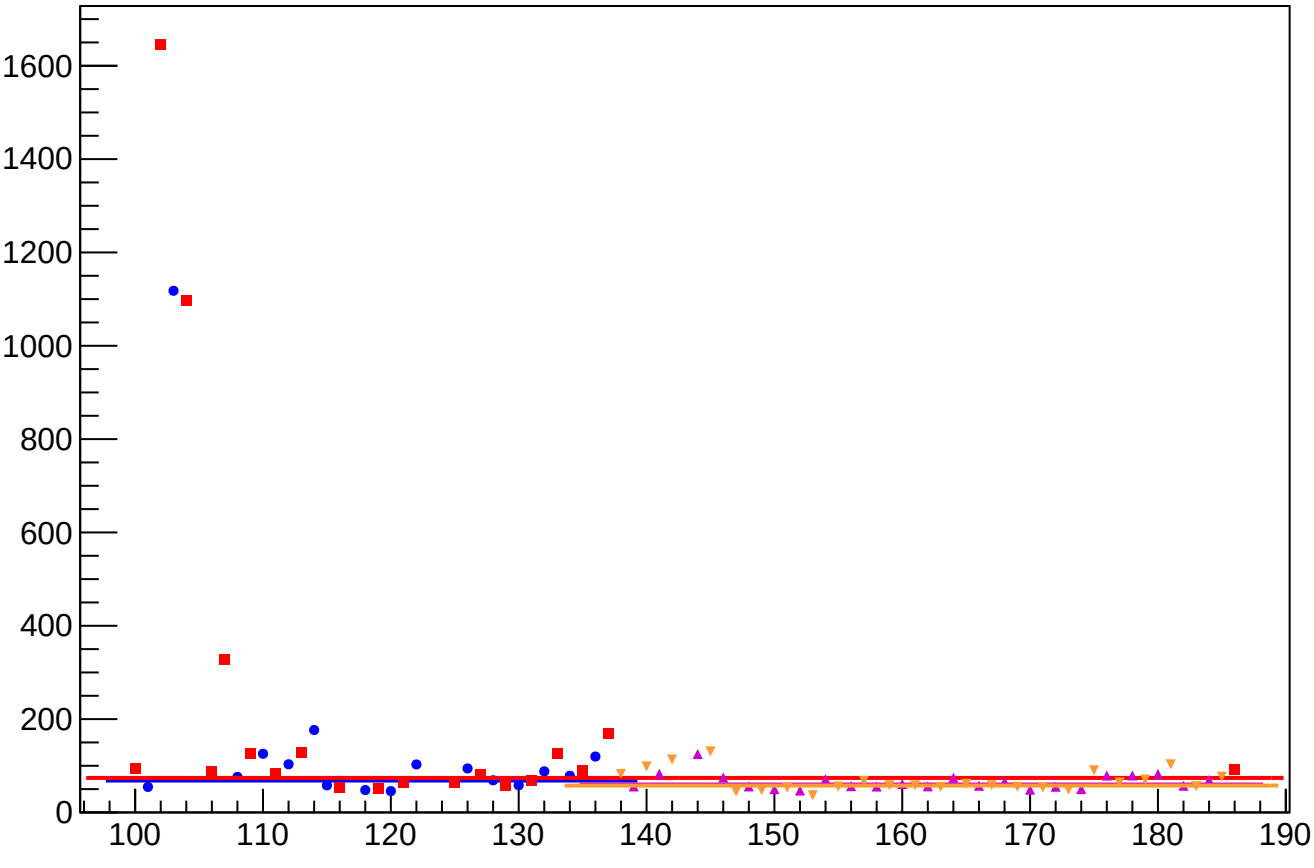
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.009+/-0.022 χ^2/NDF: 26.9/34

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.4/81



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

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

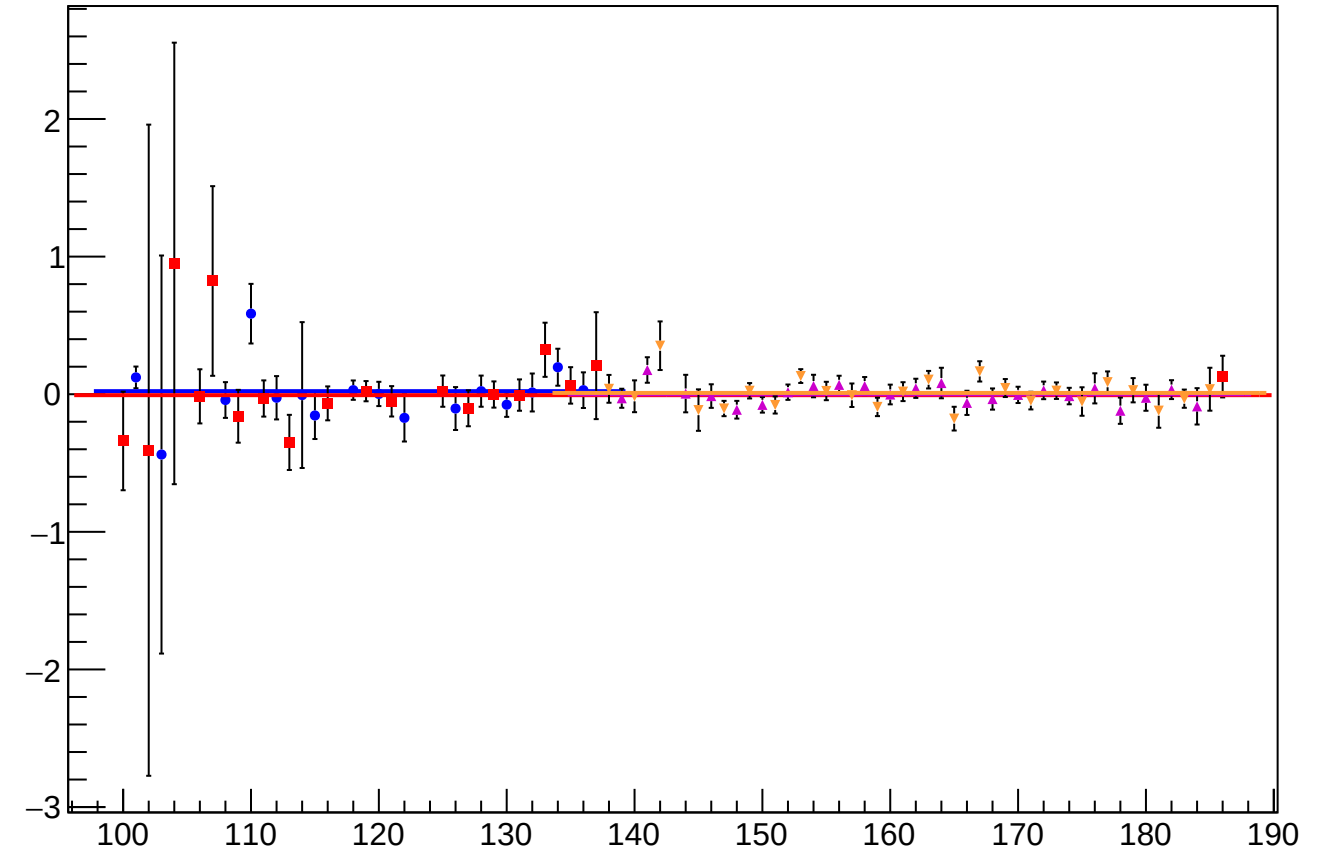
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 70.989+/-0.016 χ^2/NDF: 5255573.6/34

In: 61.624+/-0.010 χ^2/NDF:3747601.8/38

Out: 60.491+/-0.010 χ^2/NDF:5573680.7/42

All: 61.055+/-0.007 χ^2/NDF: 9328081.8/81



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

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

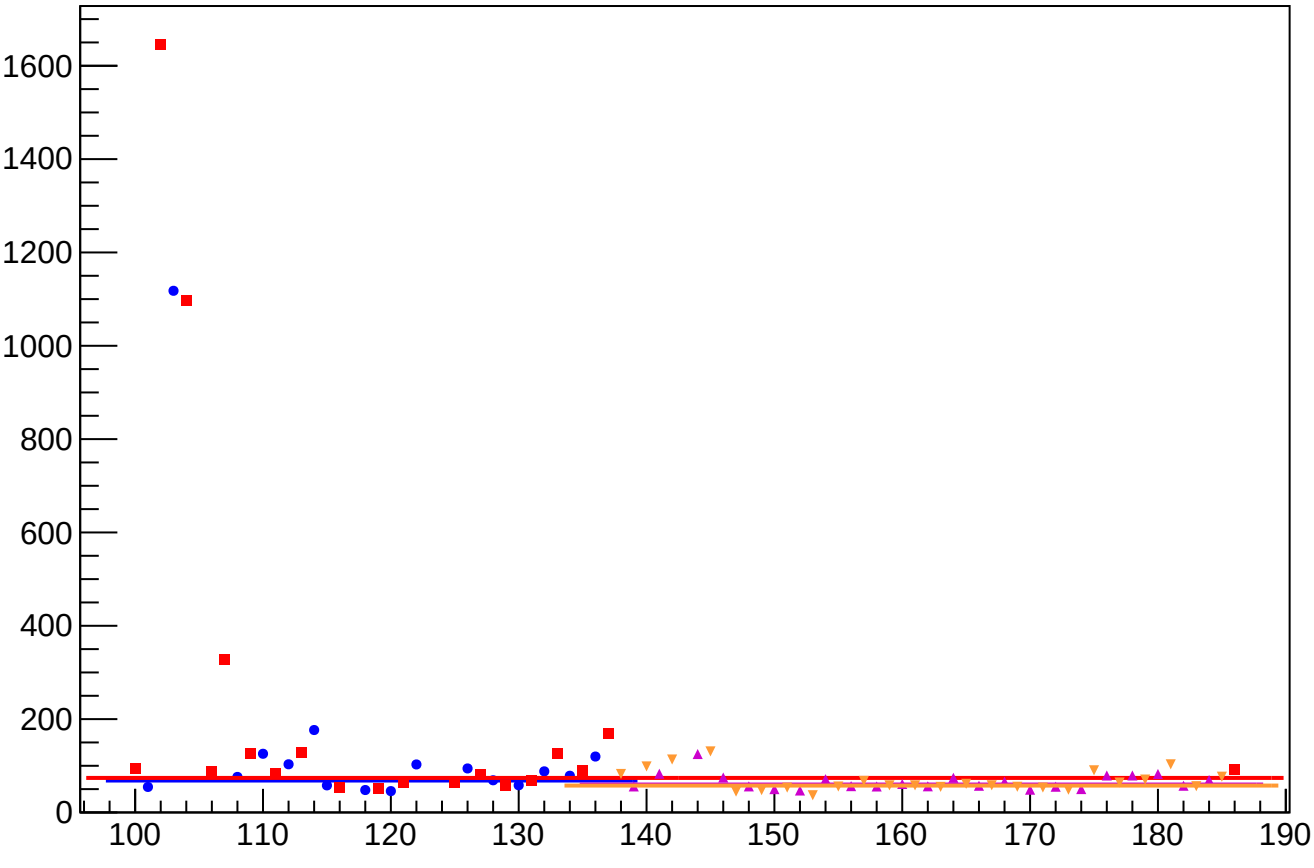
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.009+/-0.022 χ^2/NDF: 26.9/34

In: 0.004+/-0.014 χ^2/NDF:30.8/38

Out: 0.007+/-0.014 χ^2/NDF:46.6/42

All: 0.005+/-0.010 χ^2/NDF: 77.4/81



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

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

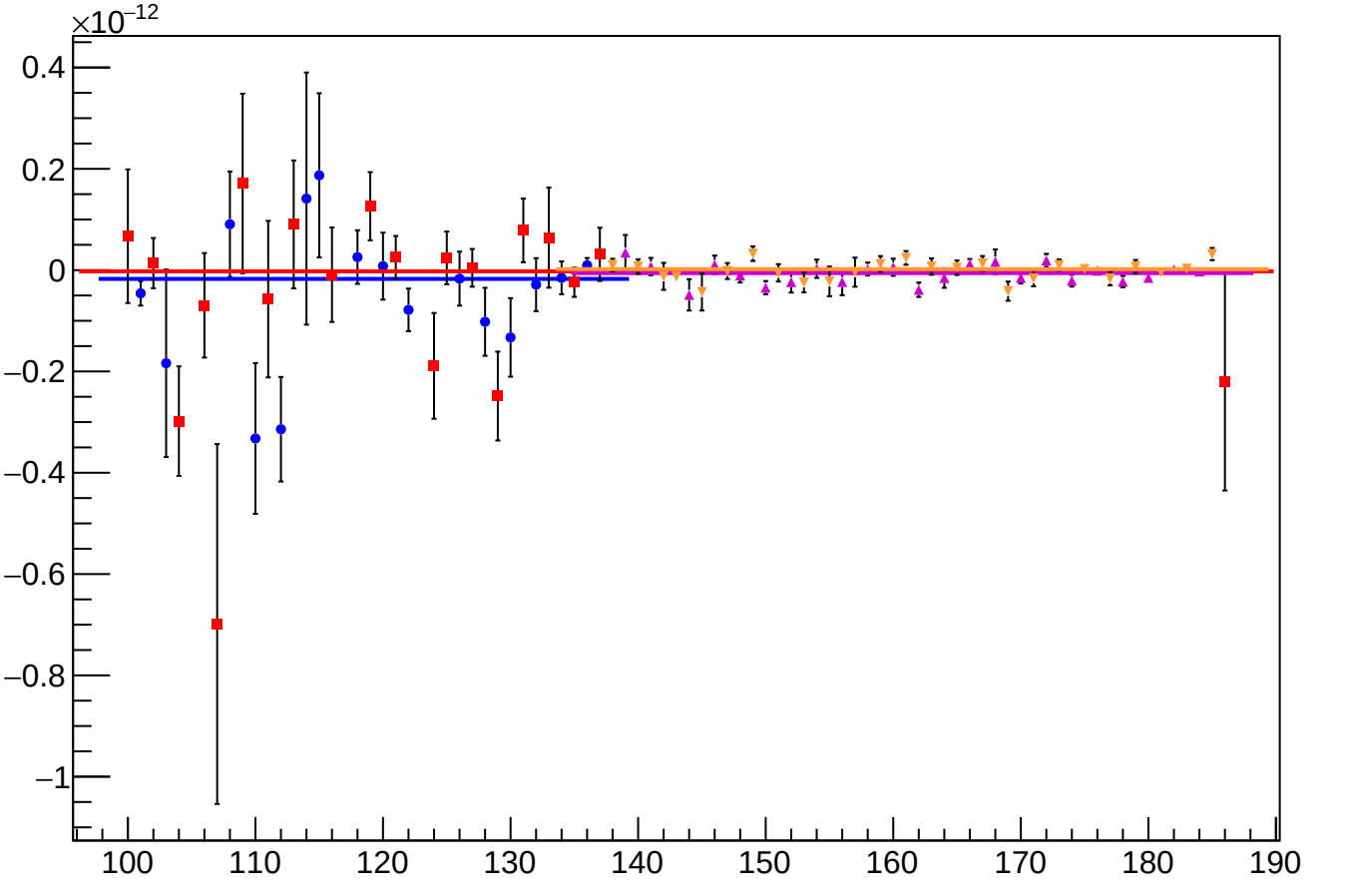
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

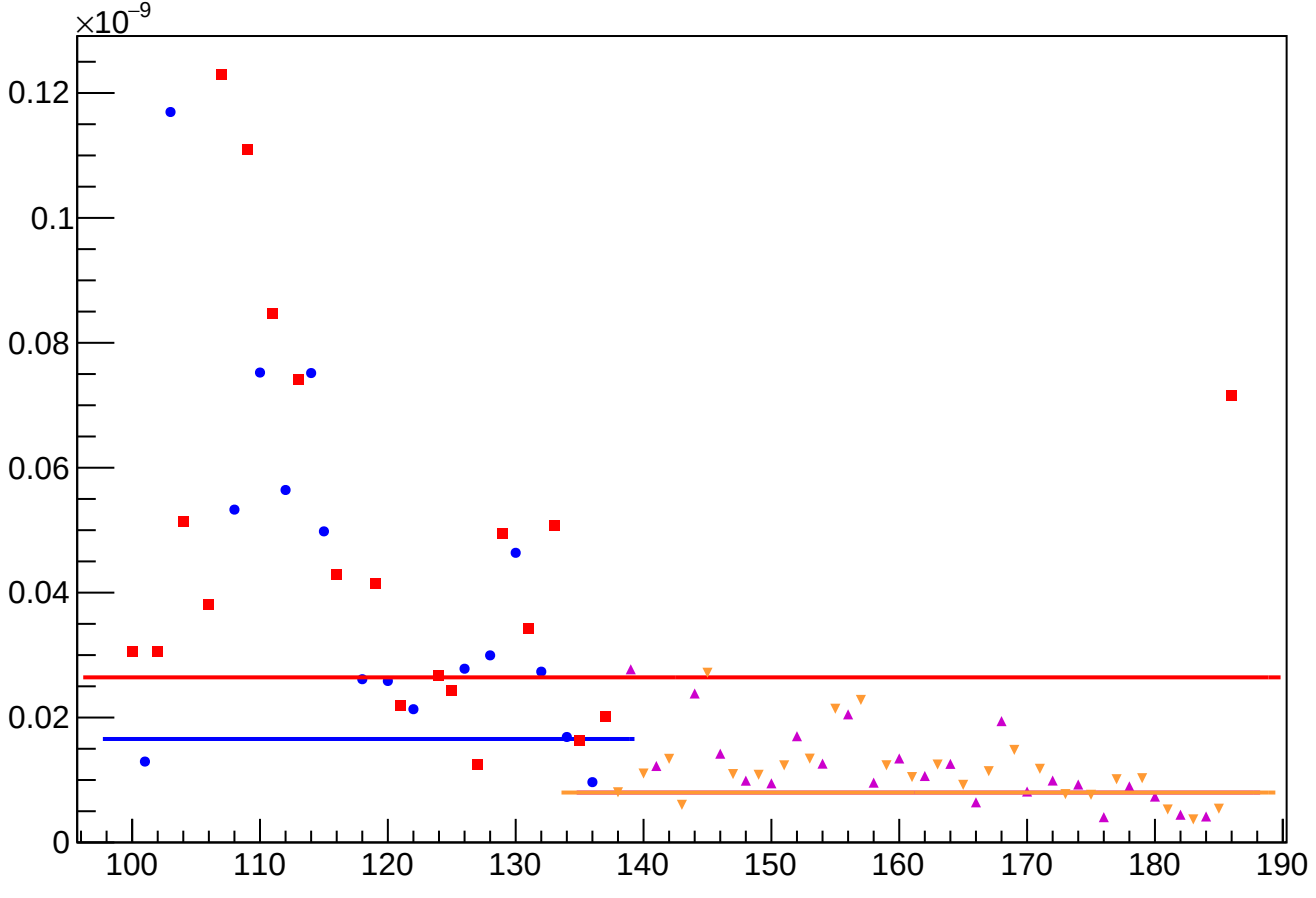
Right: 70.989+/-0.016 χ^2/NDF: 5255573.6/34

In: 61.624+/-0.010 χ^2/NDF:3747601.8/38

Out: 60.491+/-0.010 χ^2/NDF:5573680.7/42

All: 61.055+/-0.007 χ^2/NDF: 9328081.8/81


asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 28.3/15
Left Out: 0.000+/-0.000 χ²/NDF:31.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.3/19
Left In: -0.000+/-0.000 χ²/NDF:32.6/22
Left: -0.000+/-0.000 χ²/NDF: 69.4/47
Right: -0.000+/-0.000 χ²/NDF: 62.3/35
In: -0.000+/-0.000 χ²/NDF:62.1/38
Out: 0.000+/-0.000 χ²/NDF:65.3/44
All: -0.000+/-0.000 χ²/NDF: 133.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

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

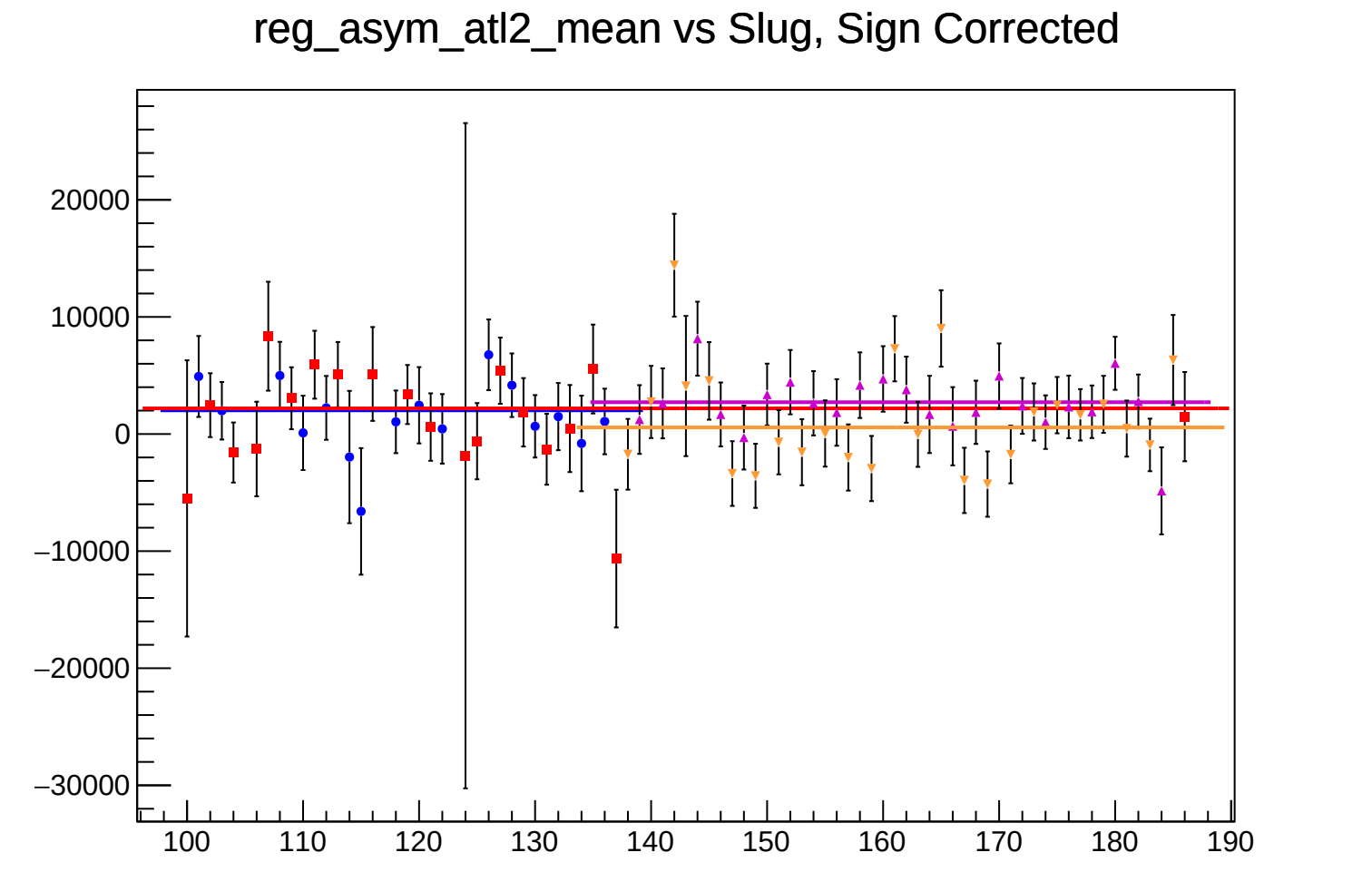
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5902769.7/35

In: 0.000+/-0.000 χ^2/NDF:9396762.9/38

Out: 0.000+/-0.000 χ^2/NDF:10585973.4/44

All: 0.000+/-0.000 χ^2/NDF: 19982777.3/83



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

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

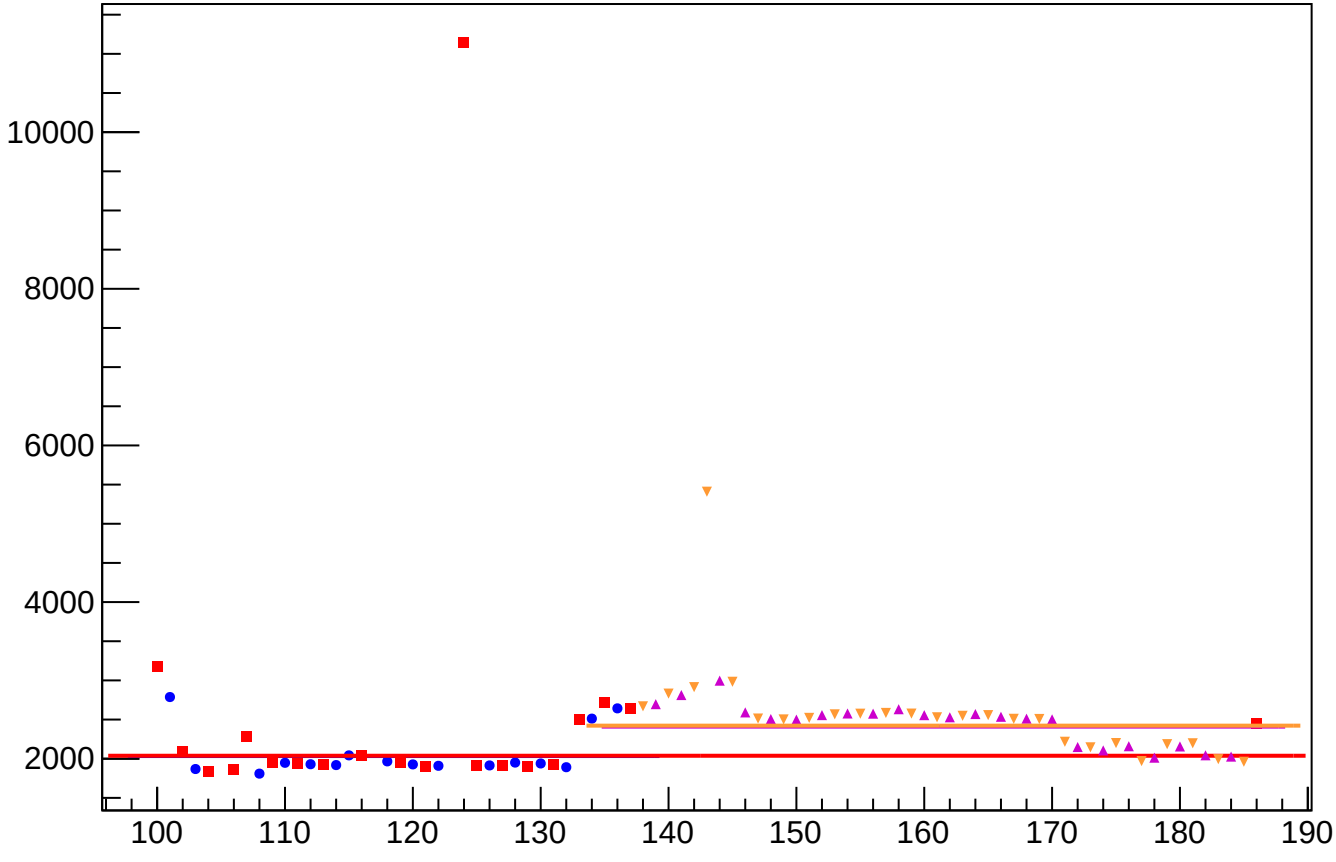
Right: 2108.603+/-532.282 χ^2/NDF: 27.8/35

In: 2470.486+/-454.972 χ^2/NDF:24.4/38

Out: 1149.575+/-445.547 χ^2/NDF:65.2/44

All: 1796.207+/-318.329 χ^2/NDF: 93.9/83

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

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

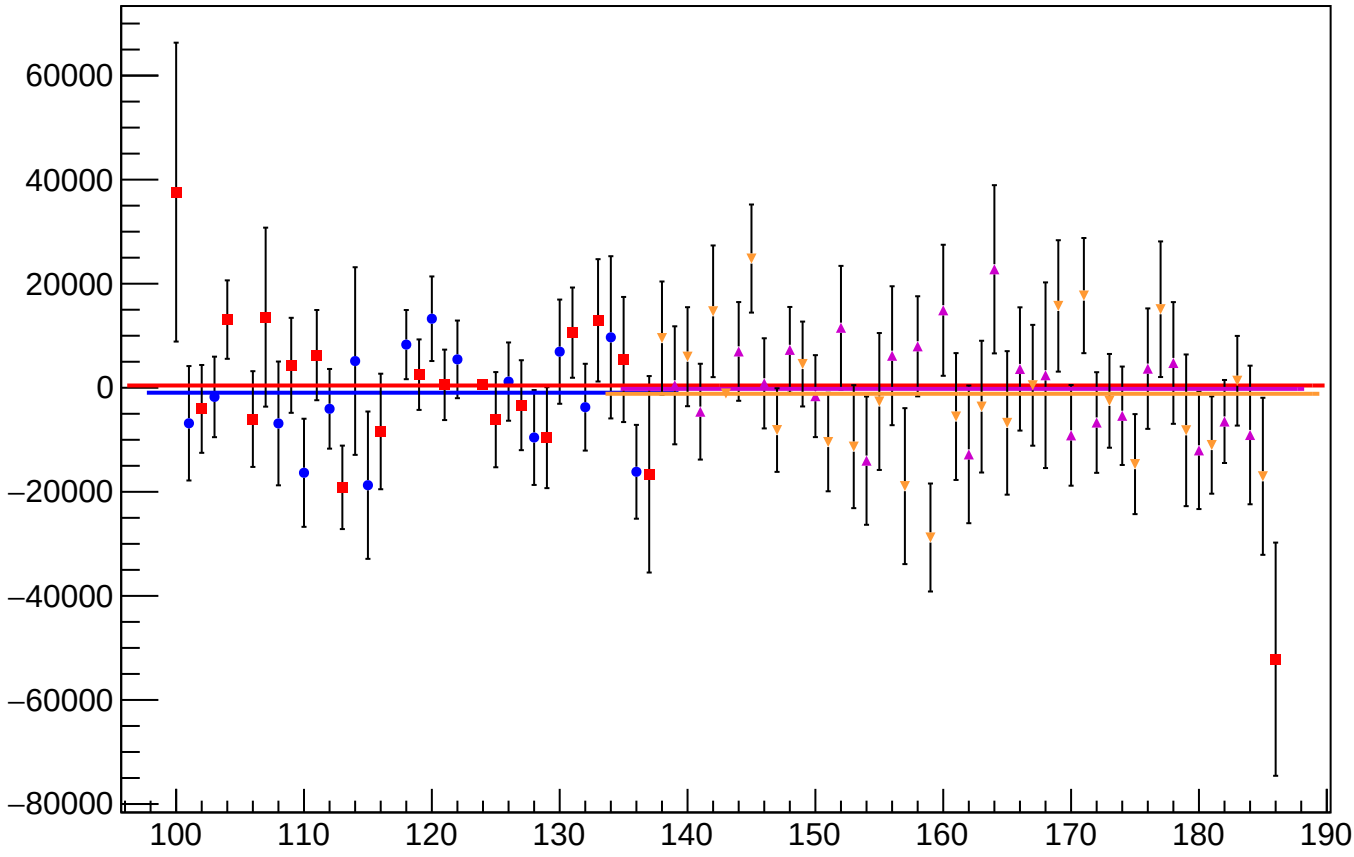
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2036.045+/-0.376 χ^2/NDF: 677764.8/35

In: 2276.721+/-0.322 χ^2/NDF:1003254.5/38

Out: 2283.456+/-0.315 χ^2/NDF:1710875.7/44

All: 2280.159+/-0.225 χ^2/NDF: 2714353.9/83



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

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

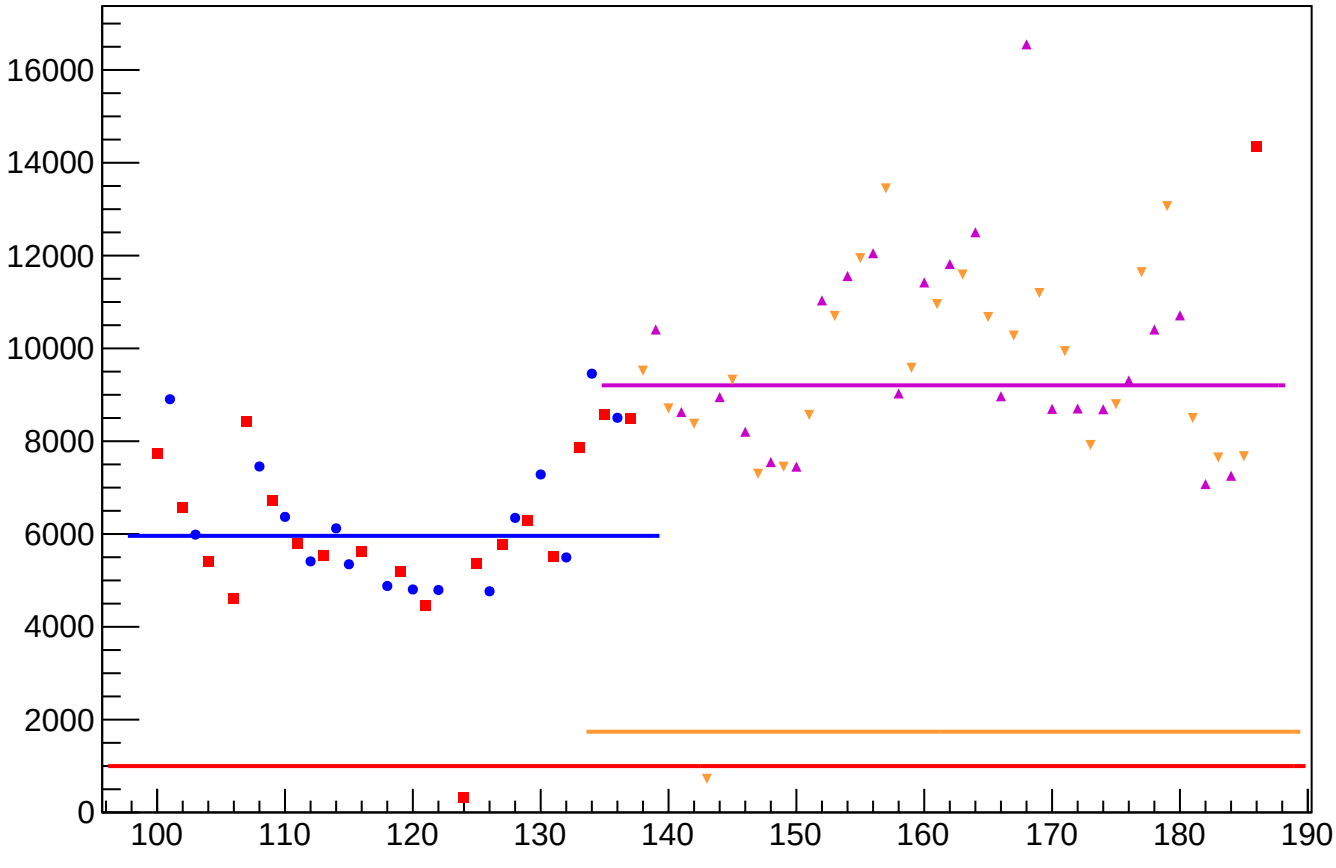
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 294.171+/-727.631 χ^2/NDF: 39.6/35

In: -566.268+/-1580.827 χ^2/NDF:28.8/38

Out: -371.834+/-539.357 χ^2/NDF:58.1/44

All: -392.107+/-510.464 χ^2/NDF: 86.9/83



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 999.003+/-0.543 χ^2/NDF: 12126913.5/19

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

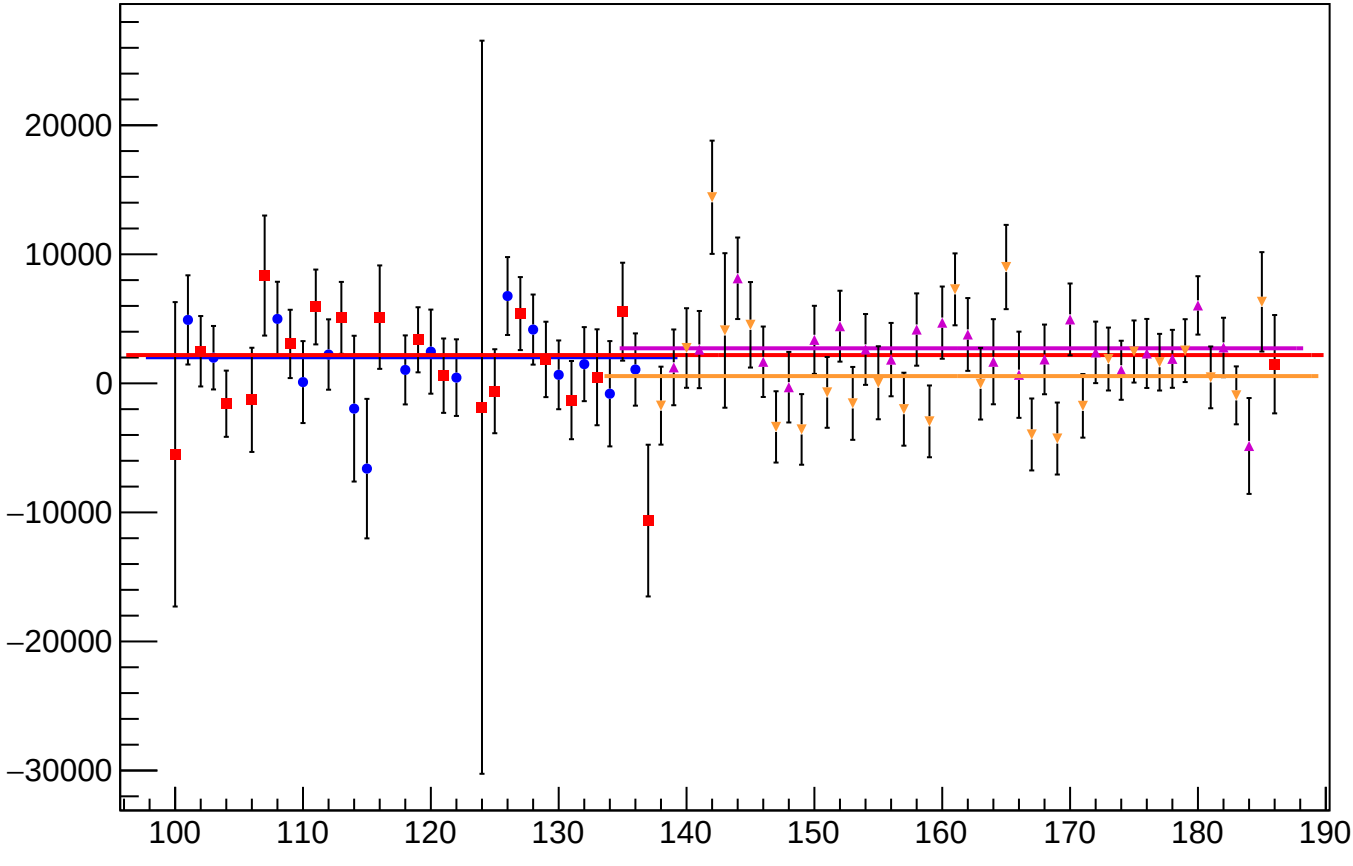
Right: 1505.004+/-0.515 χ^2/NDF: 21333136.9/35

In: 7642.770+/-1.118 χ^2/NDF:4062588.5/38

Out: 1374.221+/-0.381 χ^2/NDF:40803744.6/44

All: 2027.846+/-0.361 χ^2/NDF: 73035381.3/8

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

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

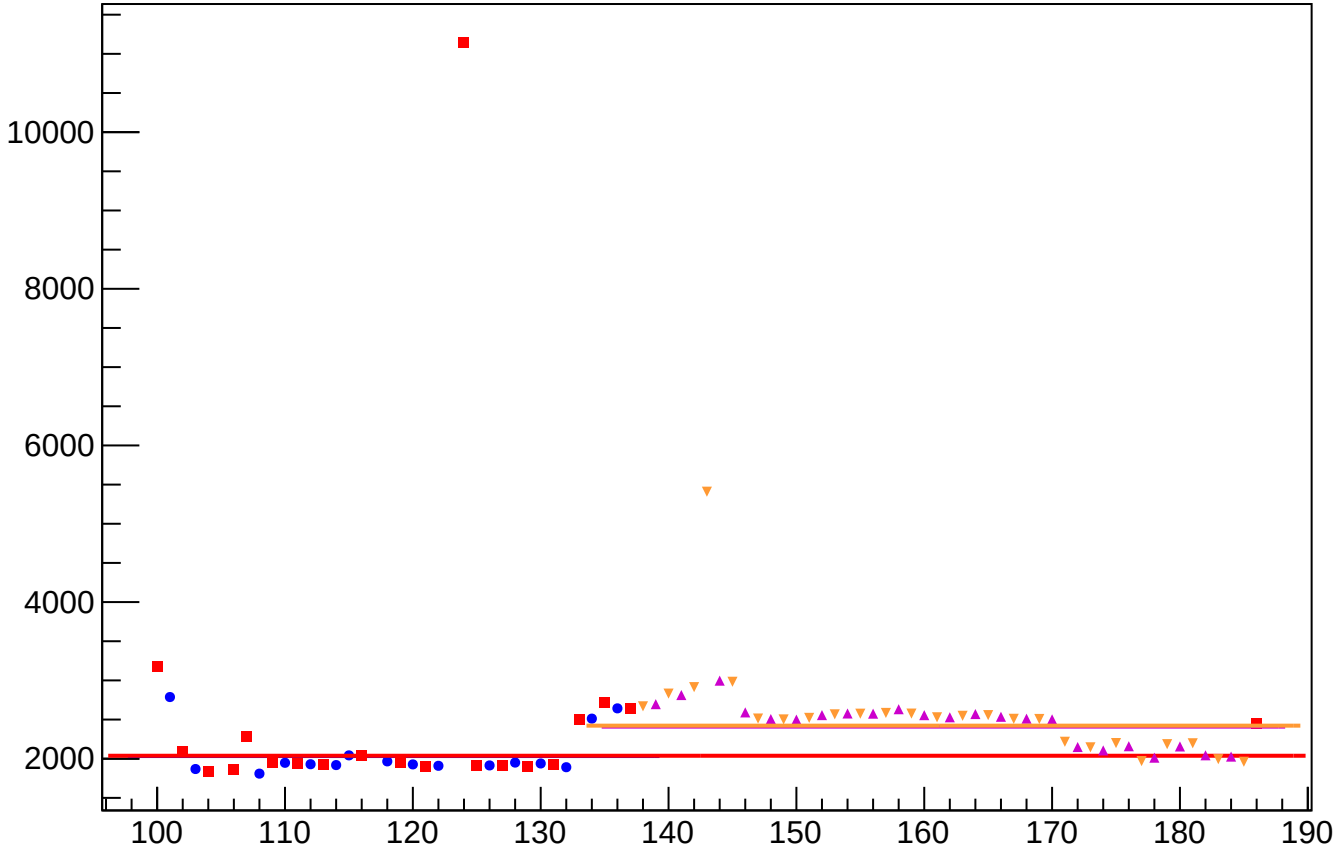
Right: 2109.574+/-532.284 χ^2/NDF: 27.8/35

In: 2470.506+/-454.972 χ^2/NDF:24.4/38

Out: 1150.207+/-445.549 χ^2/NDF:65.2/44

All: 1796.542+/-318.330 χ^2/NDF: 93.9/83

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

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

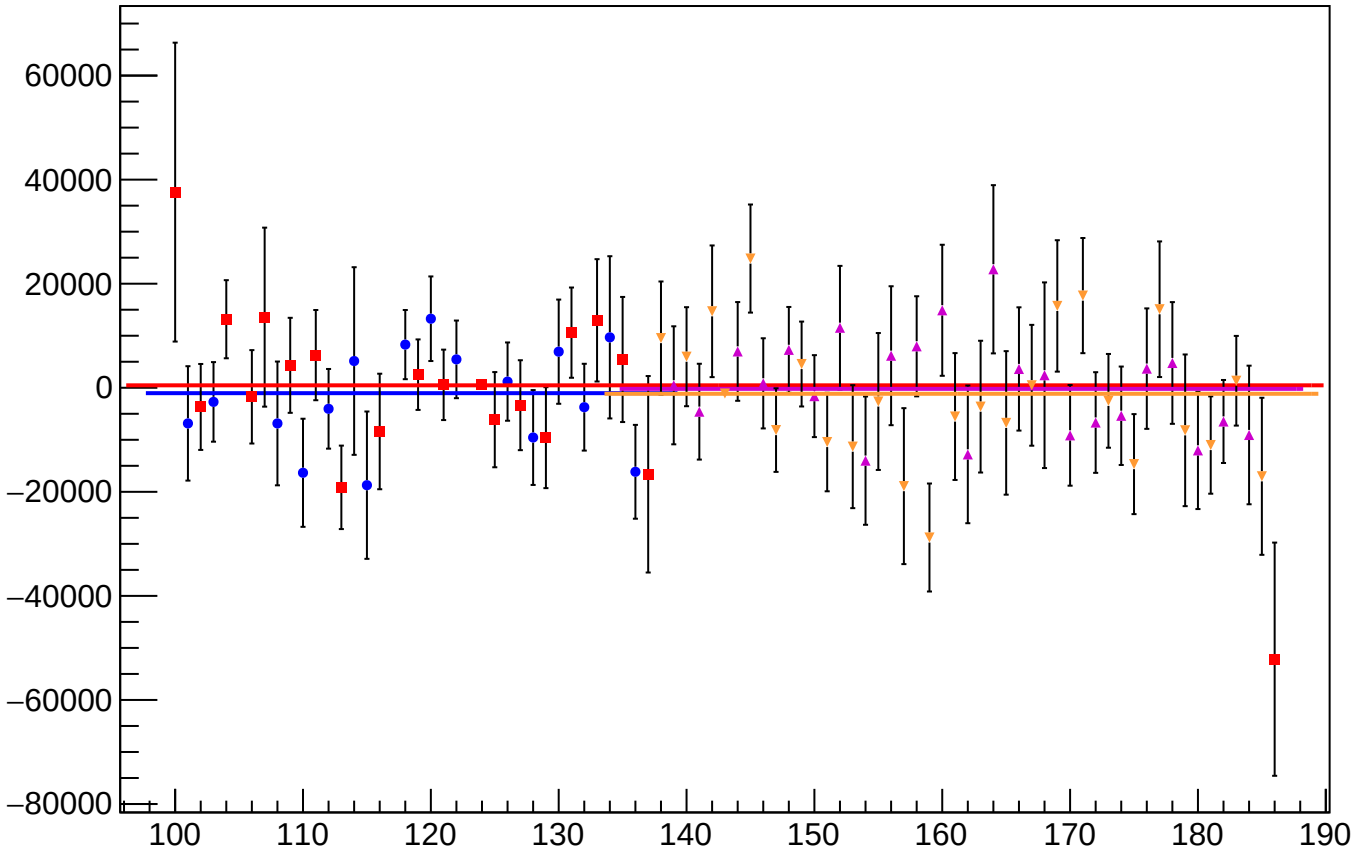
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2036.056+/-0.376 χ^2/NDF: 677774.0/35

In: 2276.721+/-0.322 χ^2/NDF:1003254.6/38

Out: 2283.465+/-0.315 χ^2/NDF:1710843.1/44

All: 2280.164+/-0.225 χ^2/NDF: 2714322.0/83



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

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

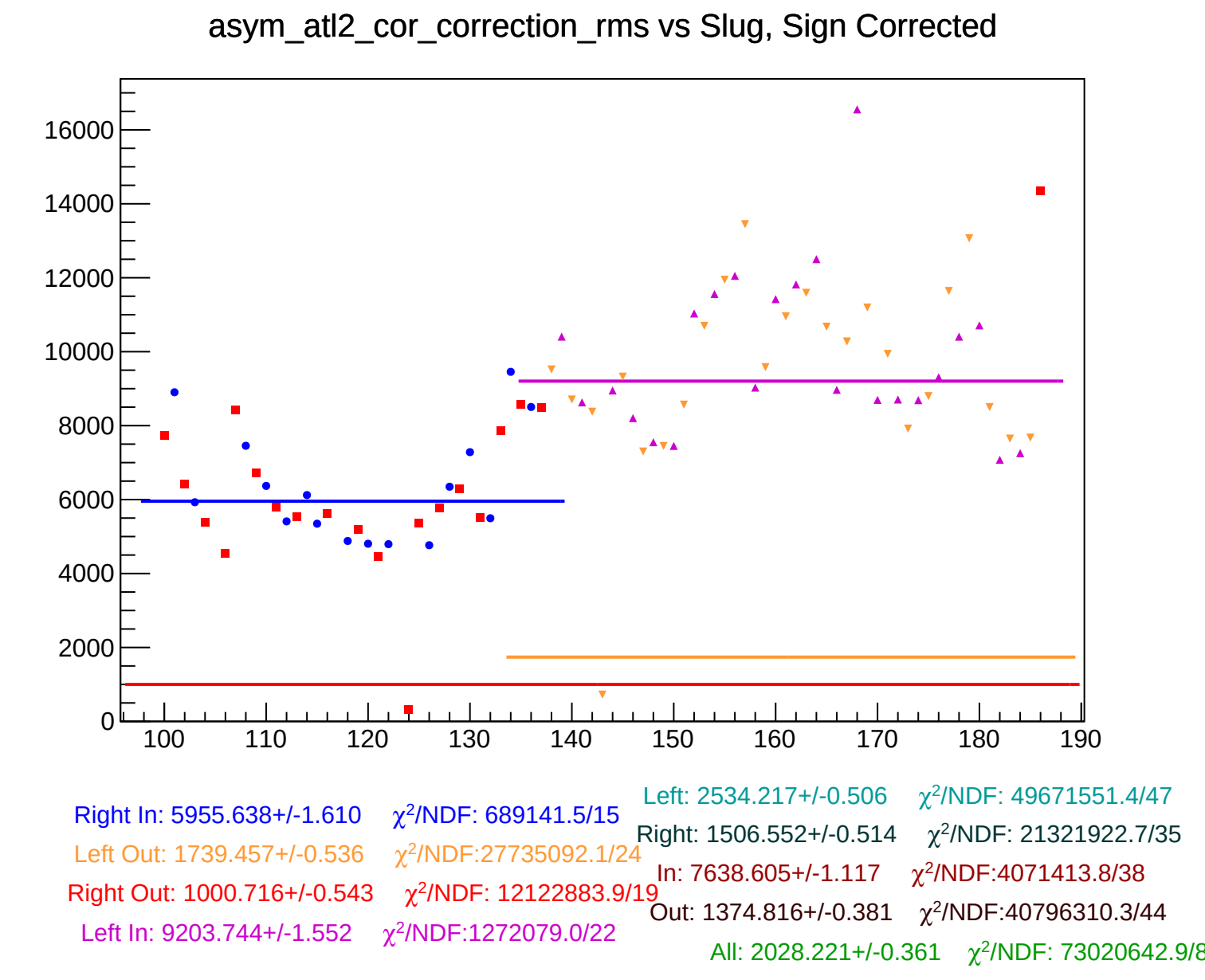
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

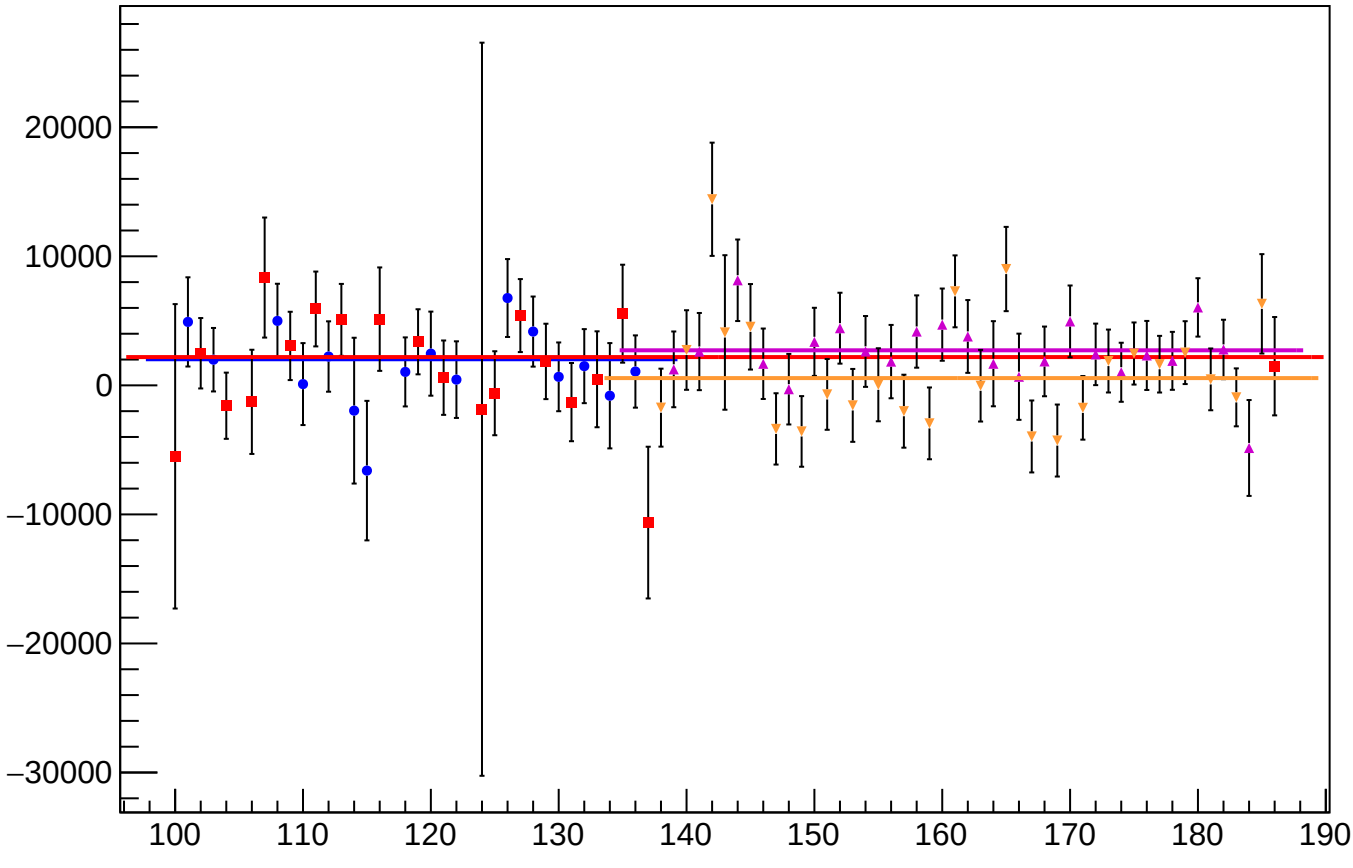
Right: 315.025+/-727.266 χ^2/NDF: 39.3/35

In: -608.695+/-1580.040 χ^2/NDF:28.8/38

Out: -354.976+/-539.217 χ^2/NDF:57.8/44

All: -381.443+/-510.318 χ^2/NDF: 86.6/83


asym_atl2_cor_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: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1000.716+/-0.543 χ²/NDF: 12122883.9/19
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 1506.552+/-0.514 χ²/NDF: 21321922.7/35
In: 7638.605+/-1.117 χ²/NDF:4071413.8/38
Out: 1374.816+/-0.381 χ²/NDF:40796310.3/44
All: 2028.221+/-0.361 χ²/NDF: 73020642.9/8



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

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

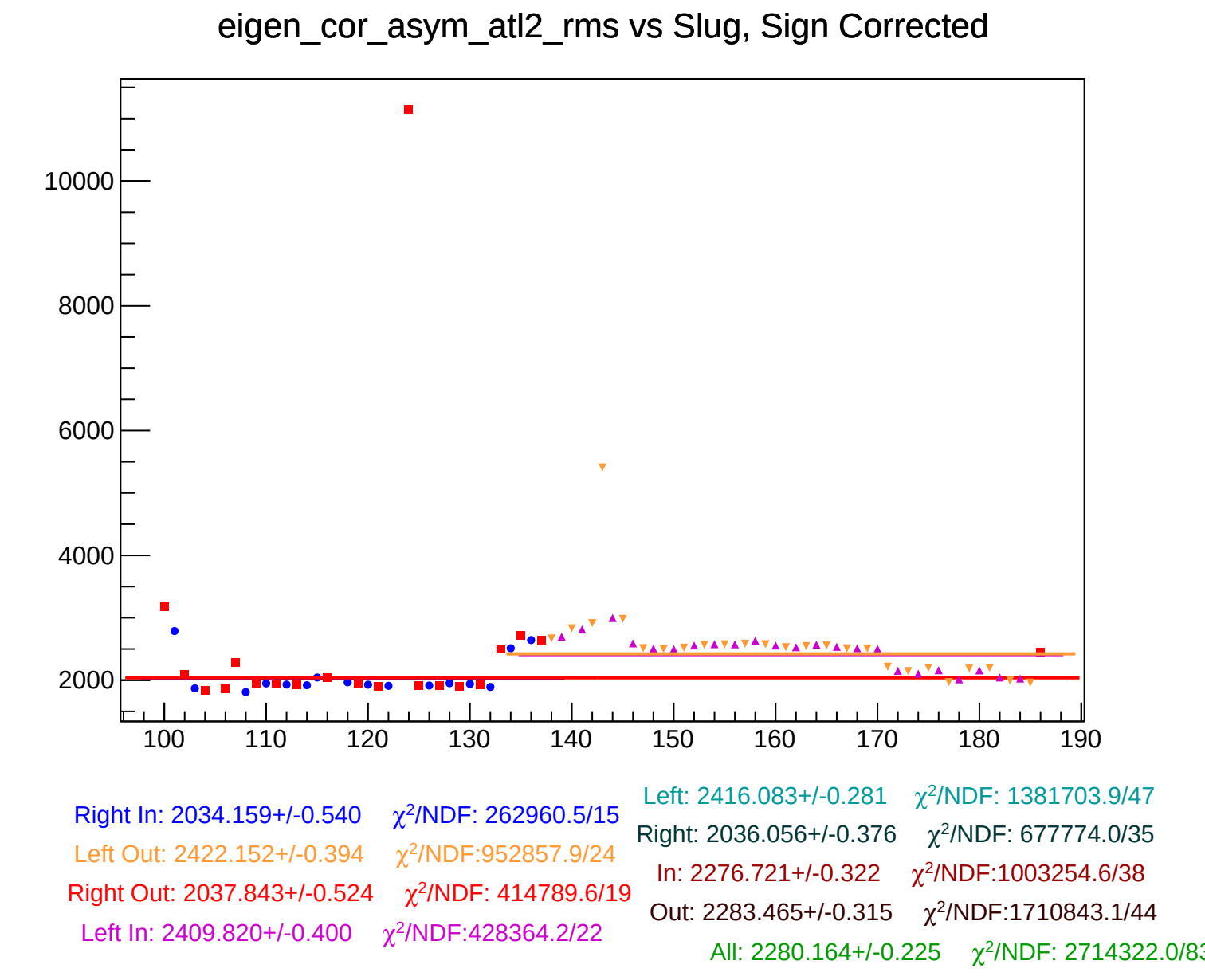
Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

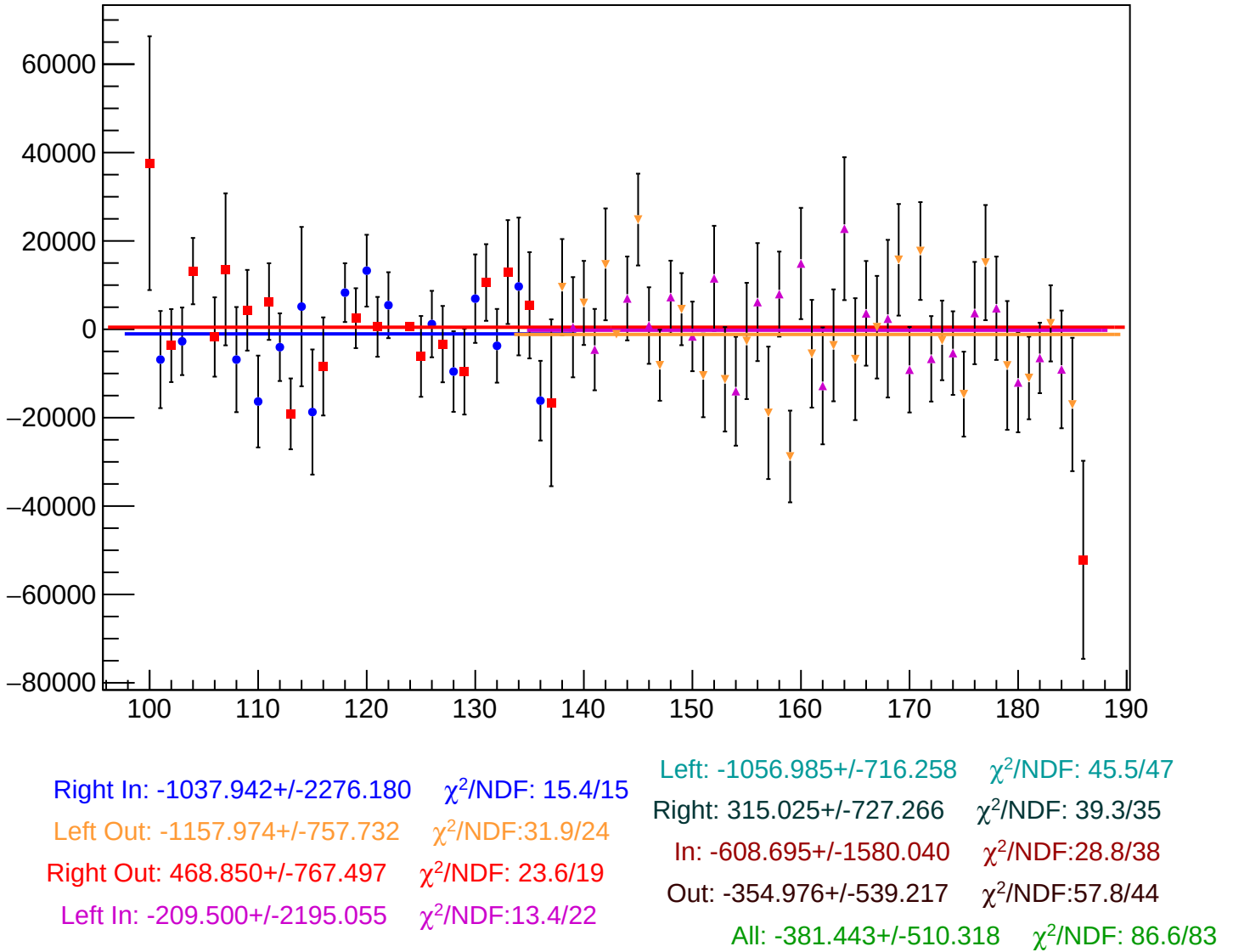
Right: 2109.574+/-532.284 χ^2/NDF: 27.8/35

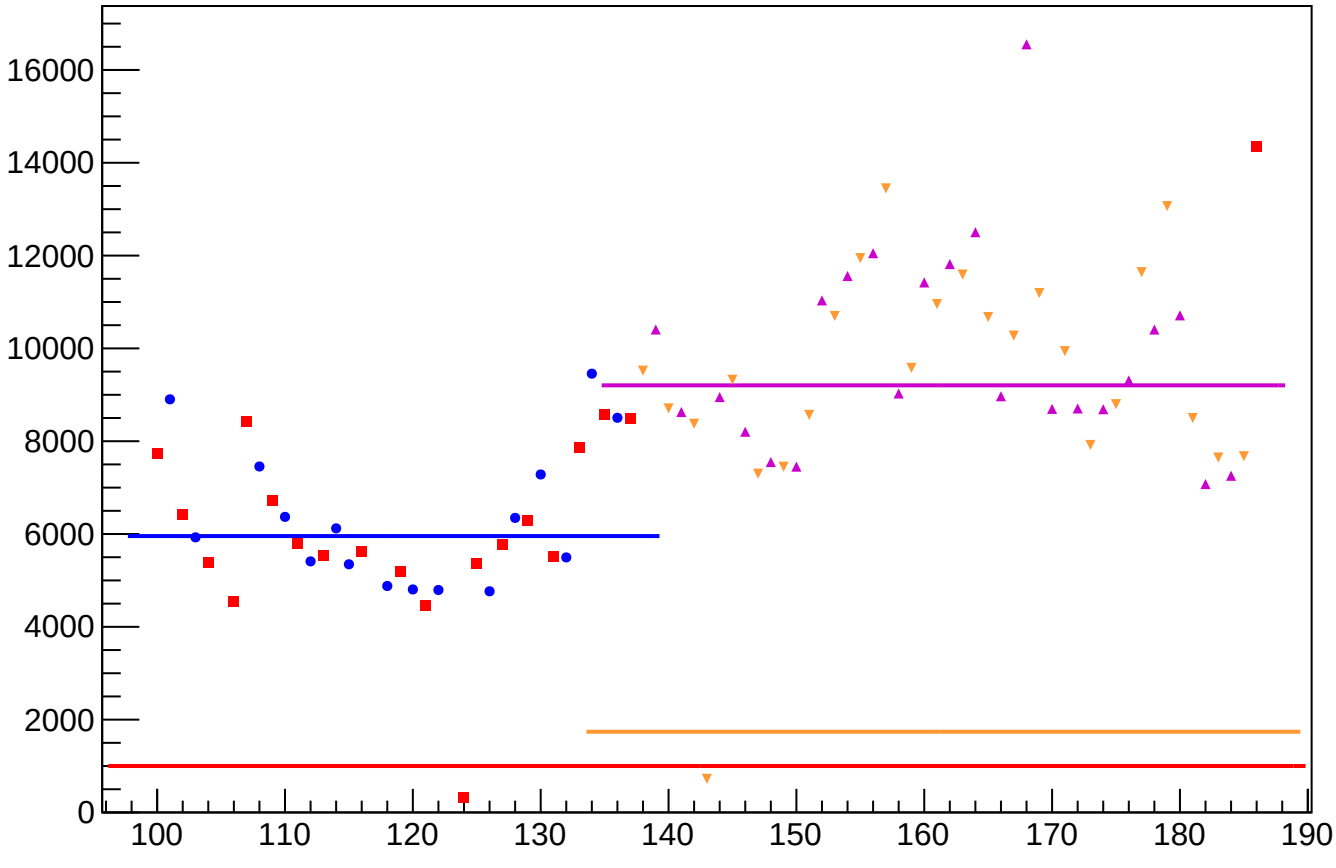
In: 2470.506+/-454.972 χ^2/NDF:24.4/38

Out: 1150.207+/-445.549 χ^2/NDF:65.2/44

All: 1796.542+/-318.330 χ^2/NDF: 93.9/83


eigen_cor_asym_atl2_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2034.159+/-0.540 χ²/NDF: 262960.5/15
Left Out: 2422.152+/-0.394 χ²/NDF:952857.9/24
Right Out: 2037.843+/-0.524 χ²/NDF: 414789.6/19
Left In: 2409.820+/-0.400 χ²/NDF:428364.2/22
Left: 2416.083+/-0.281 χ²/NDF: 1381703.9/47
Right: 2036.056+/-0.376 χ²/NDF: 677774.0/35
In: 2276.721+/-0.322 χ²/NDF:1003254.6/38
Out: 2283.465+/-0.315 χ²/NDF:1710843.1/44
All: 2280.164+/-0.225 χ²/NDF: 2714322.0/83


asym_atl2_eigen_cor_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: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1157.974+/-757.732 χ²/NDF:31.9/24
Right Out: 468.850+/-767.497 χ²/NDF: 23.6/19
Left In: -209.500+/-2195.055 χ²/NDF:13.4/22
Left: -1056.985+/-716.258 χ²/NDF: 45.5/47
Right: 315.025+/-727.266 χ²/NDF: 39.3/35
In: -608.695+/-1580.040 χ²/NDF:28.8/38
Out: -354.976+/-539.217 χ²/NDF:57.8/44
All: -381.443+/-510.318 χ²/NDF: 86.6/83



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

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

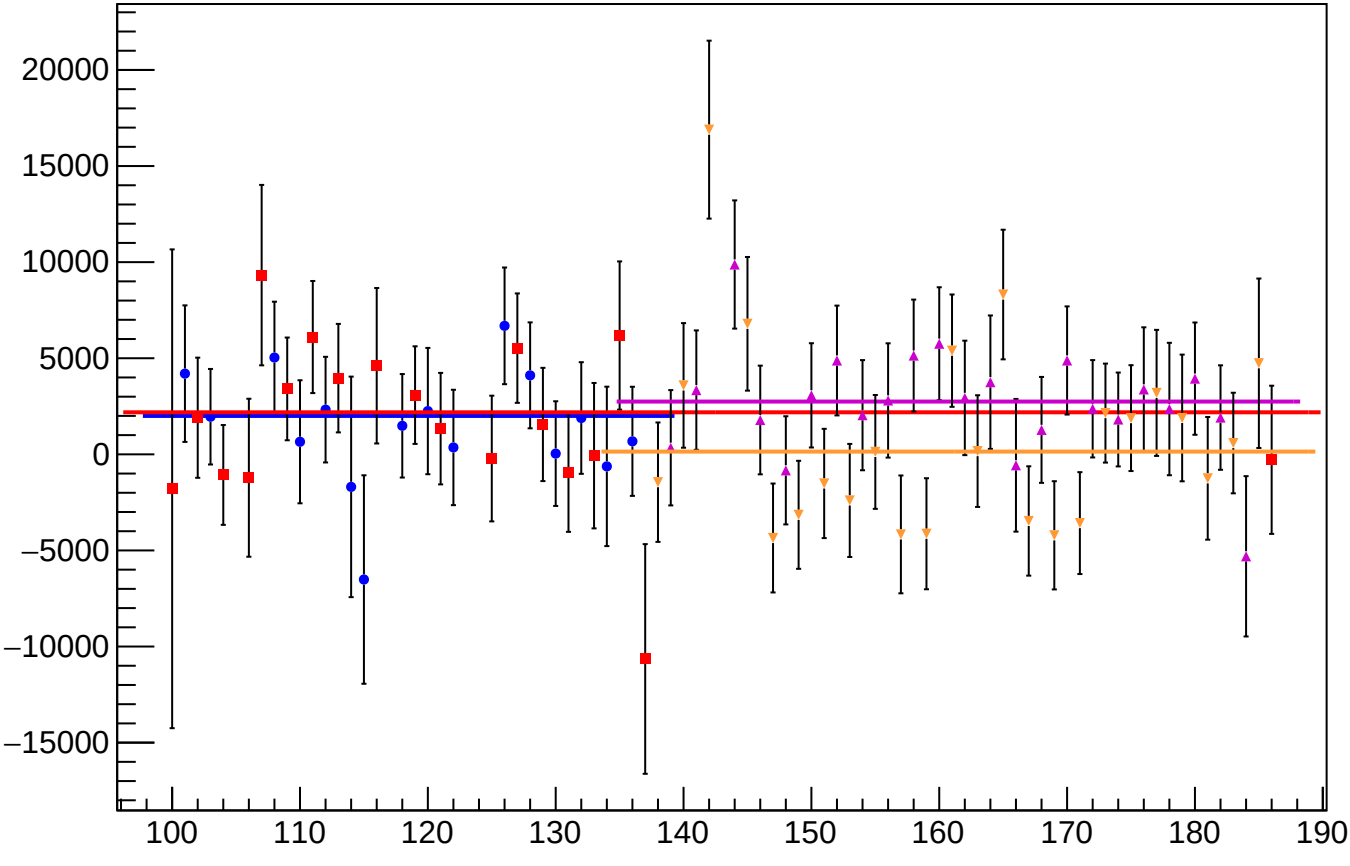
Right: 1506.552+/-0.514 χ^2/NDF: 21321922.7/35

In: 7638.605+/-1.117 χ^2/NDF:4071413.8/38

Out: 1374.816+/-0.381 χ^2/NDF:40796310.3/44

All: 2028.221+/-0.361 χ^2/NDF: 73020642.9/8

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

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

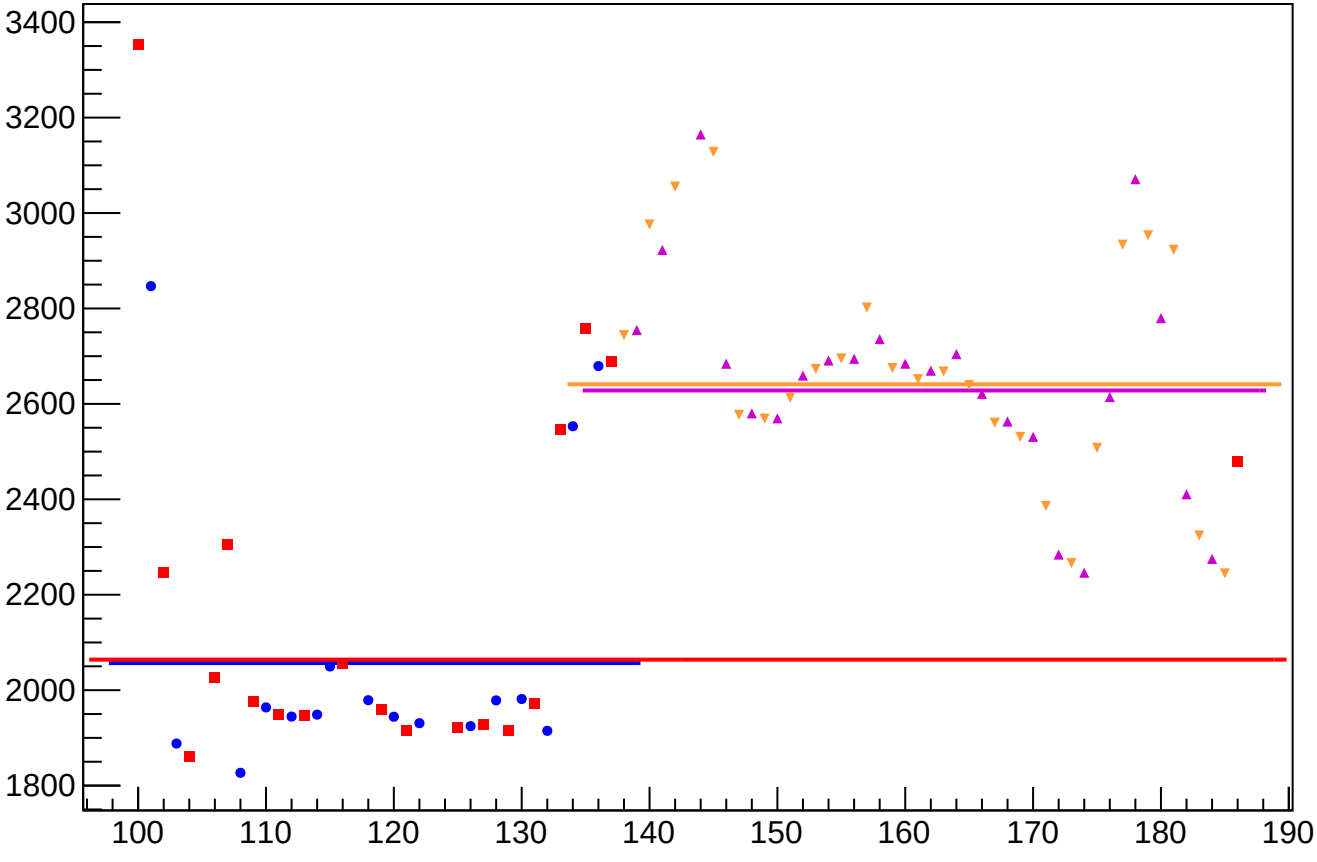
Right: 2095.214+/-540.781 χ^2/NDF: 26.1/34

In: 2456.117+/-481.933 χ^2/NDF:25.0/38

Out: 957.437+/-477.498 χ^2/NDF:67.3/42

All: 1699.849+/-339.199 χ^2/NDF: 97.2/81

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

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

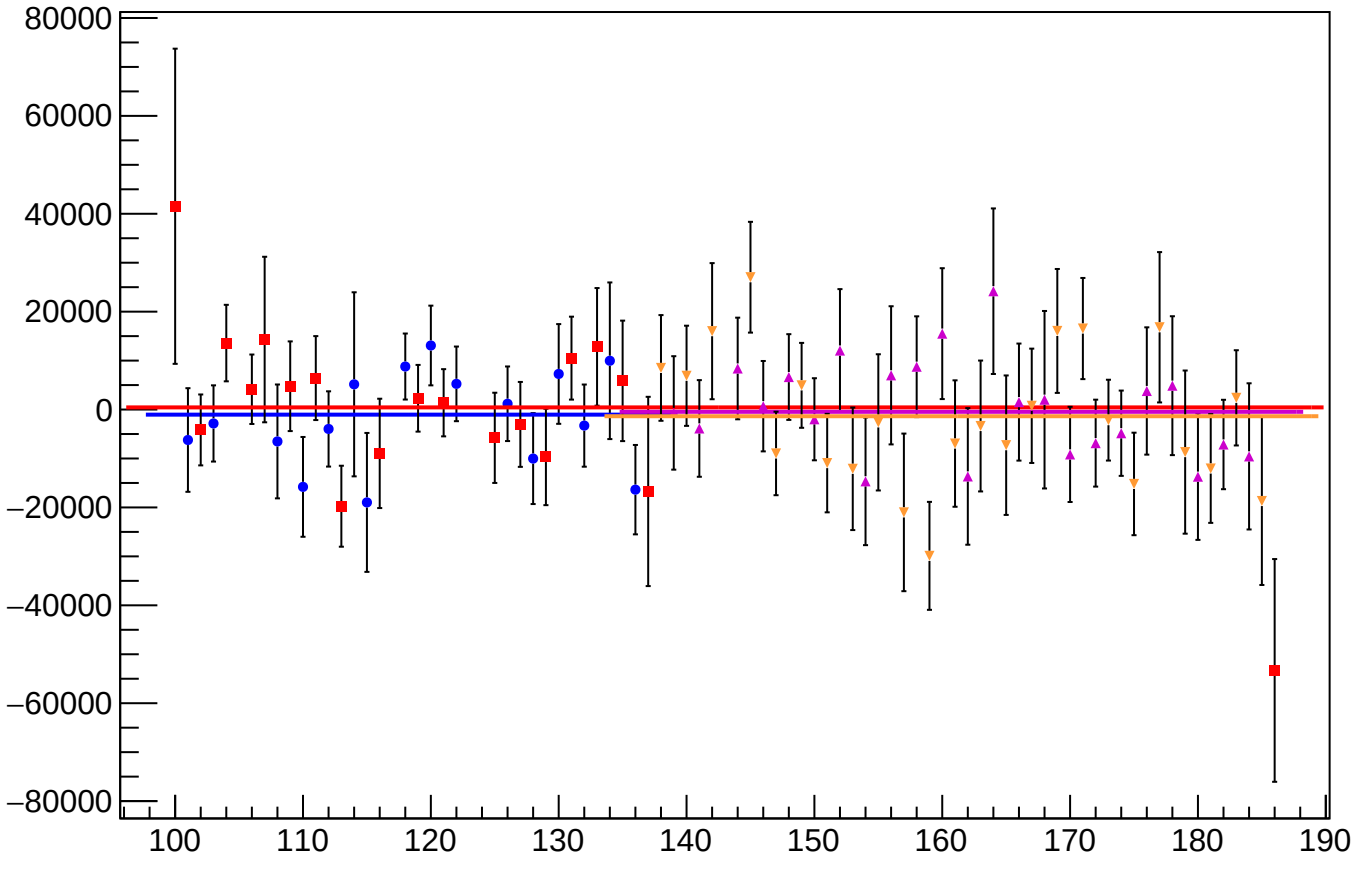
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2060.486+/-0.382 χ^2/NDF: 491289.3/34

In: 2406.351+/-0.341 χ^2/NDF:1175477.0/38

Out: 2410.599+/-0.337 χ^2/NDF:1175410.5/42

All: 2408.496+/-0.240 χ^2/NDF: 2350966.0/81



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

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

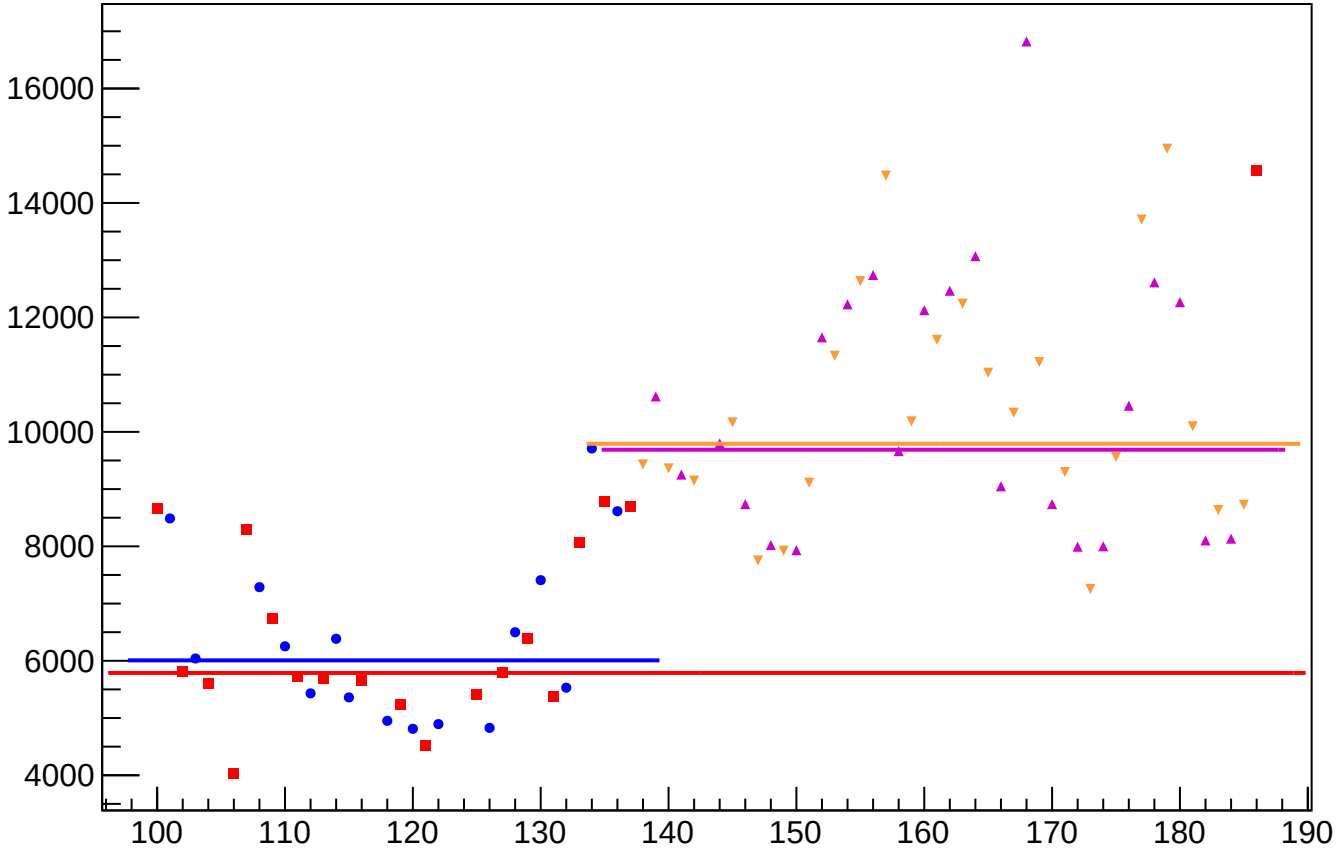
Right: -250.370+/-1565.541 χ^2/NDF: 39.5/34

In: -755.640+/-1629.512 χ^2/NDF:28.4/38

Out: -389.028+/-1575.493 χ^2/NDF:55.6/42

All: -566.157+/-1132.658 χ^2/NDF: 84.0/81

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

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

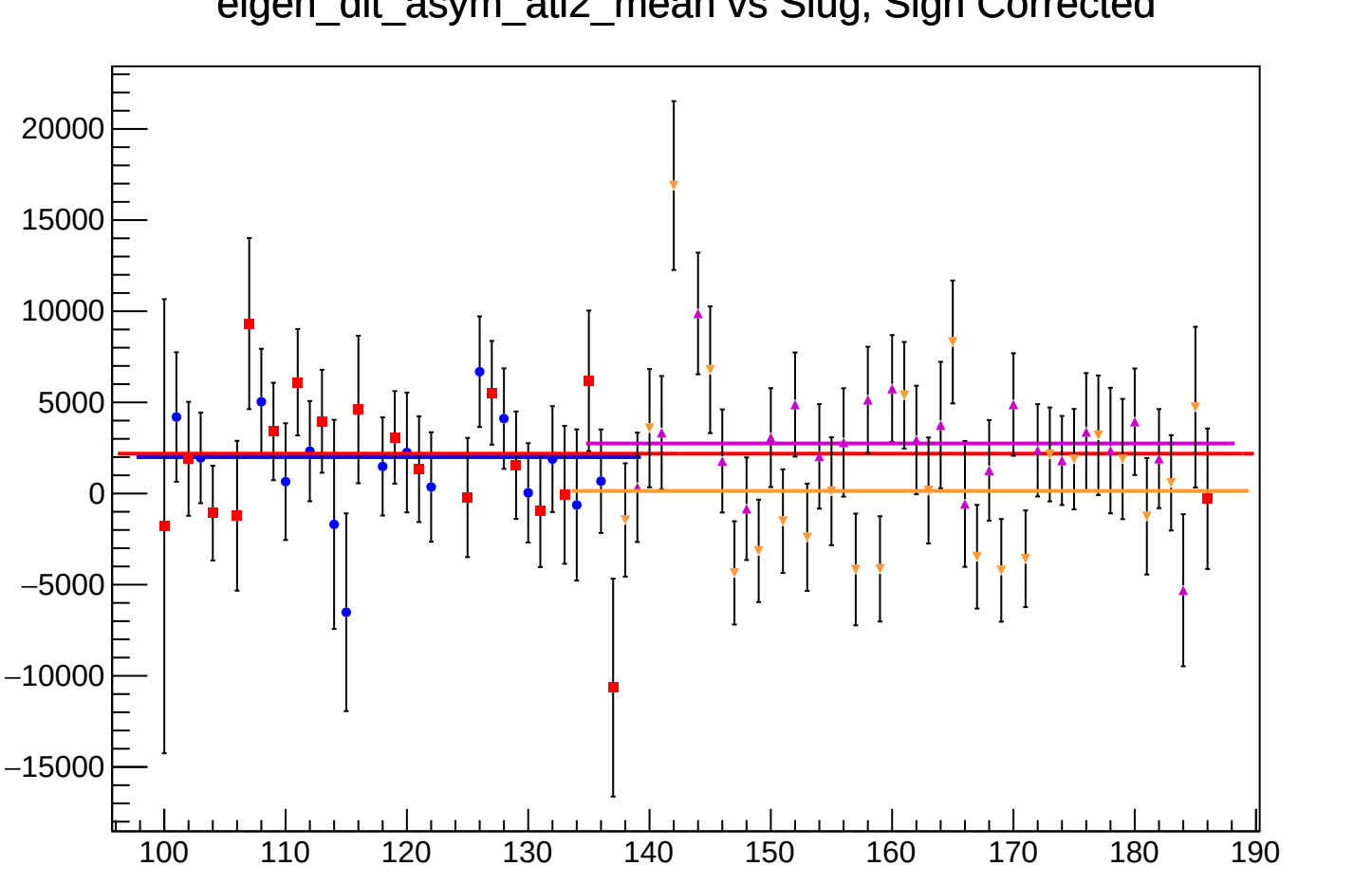
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 5890.312+/-1.107 χ^2/NDF: 1499861.9/34

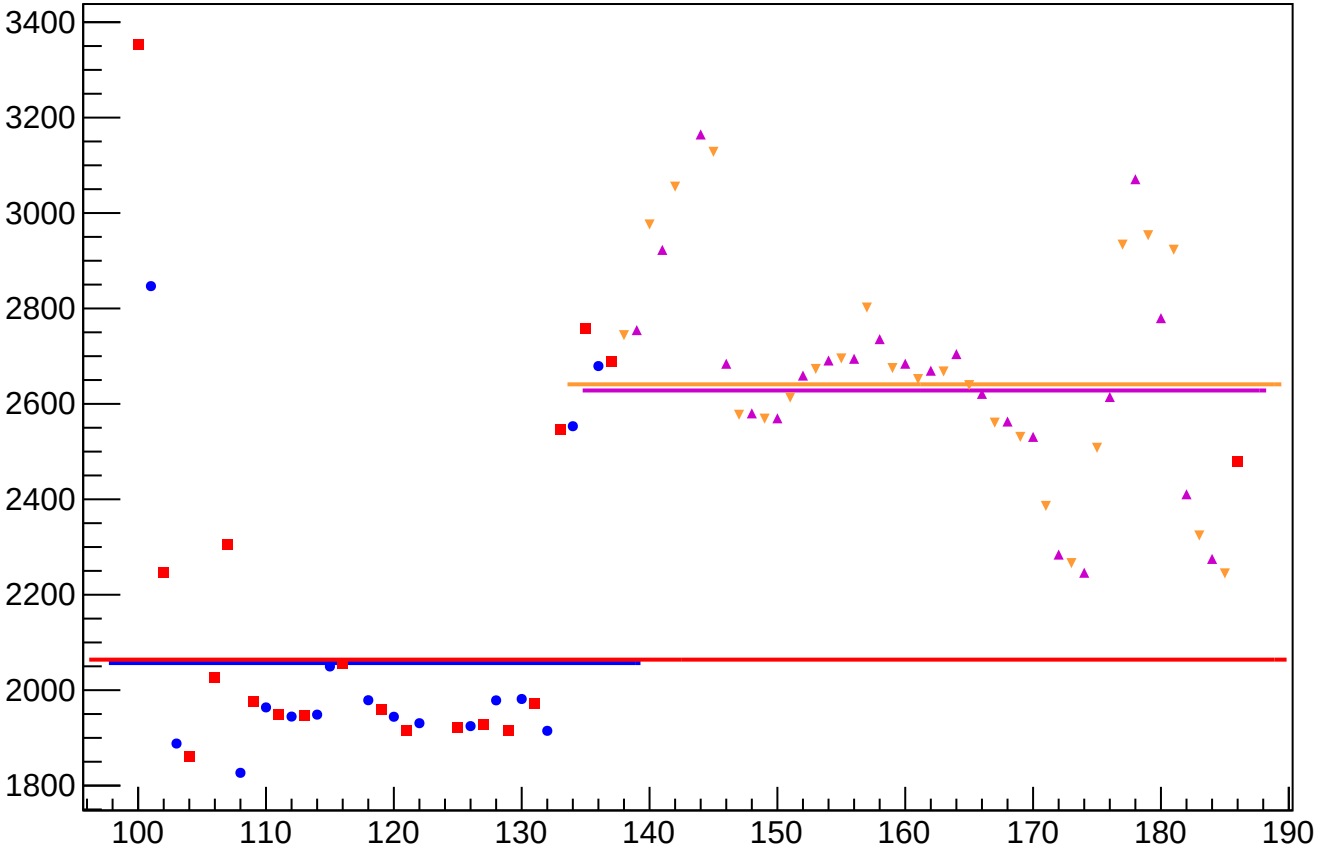
In: 7831.933+/-1.152 χ^2/NDF:4583086.0/38

Out: 7624.817+/-1.114 χ^2/NDF:5262407.4/42

All: 7724.885+/-0.801 χ^2/NDF: 9862193.1/81


eigen_dit_asym_atl2_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: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2186.993+/-756.312 χ²/NDF: 17.1/18
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2095.220+/-540.781 χ²/NDF: 26.1/34
In: 2456.117+/-481.933 χ²/NDF:25.0/38
Out: 957.435+/-477.498 χ²/NDF:67.3/42
All: 1699.848+/-339.199 χ²/NDF: 97.2/81

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

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

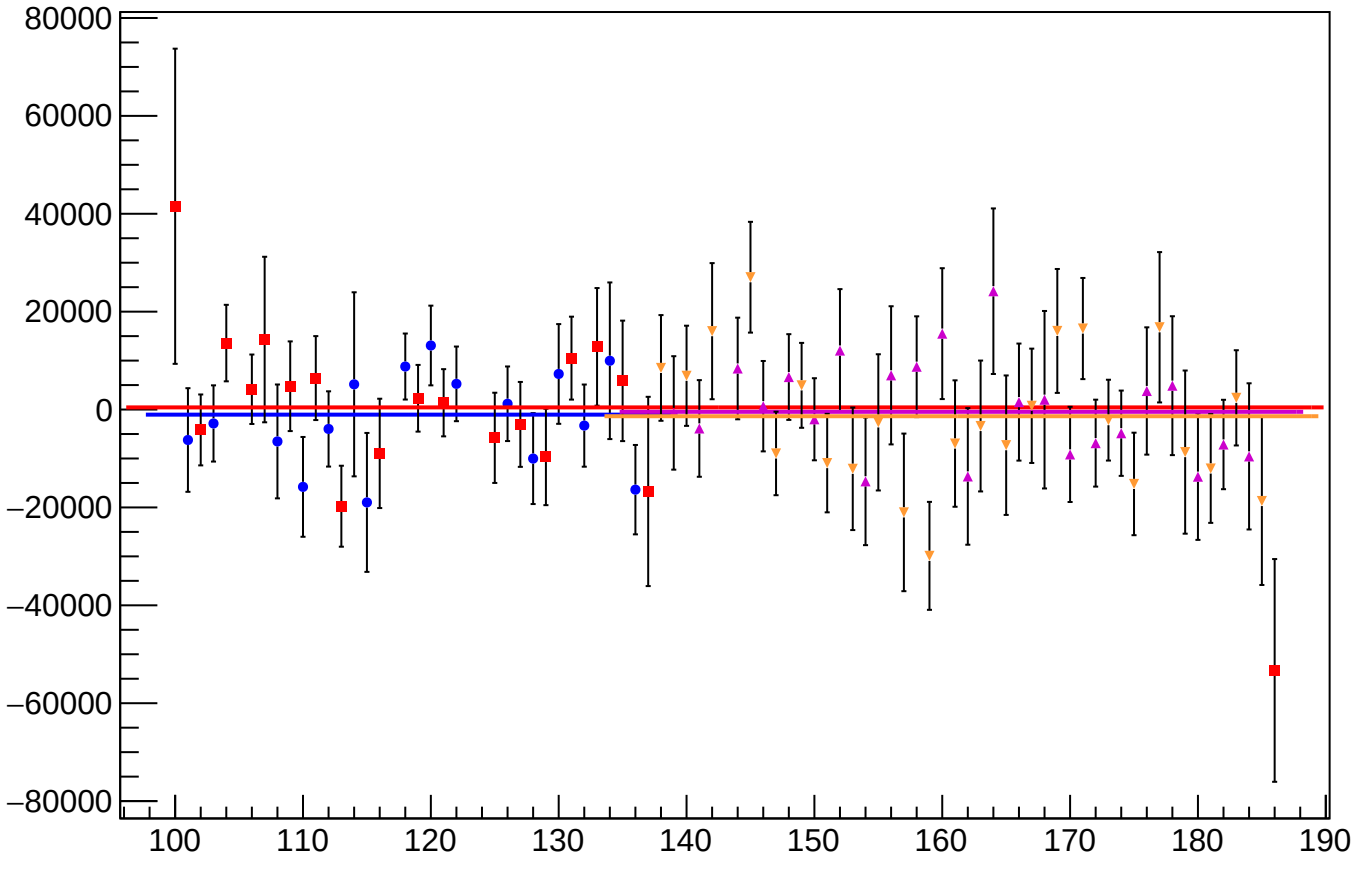
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2060.485+/-0.382 χ^2/NDF: 491289.1/34

In: 2406.352+/-0.341 χ^2/NDF:1175490.6/38

Out: 2410.600+/-0.337 χ^2/NDF:1175425.6/42

All: 2408.497+/-0.240 χ^2/NDF: 2350994.7/81



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

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

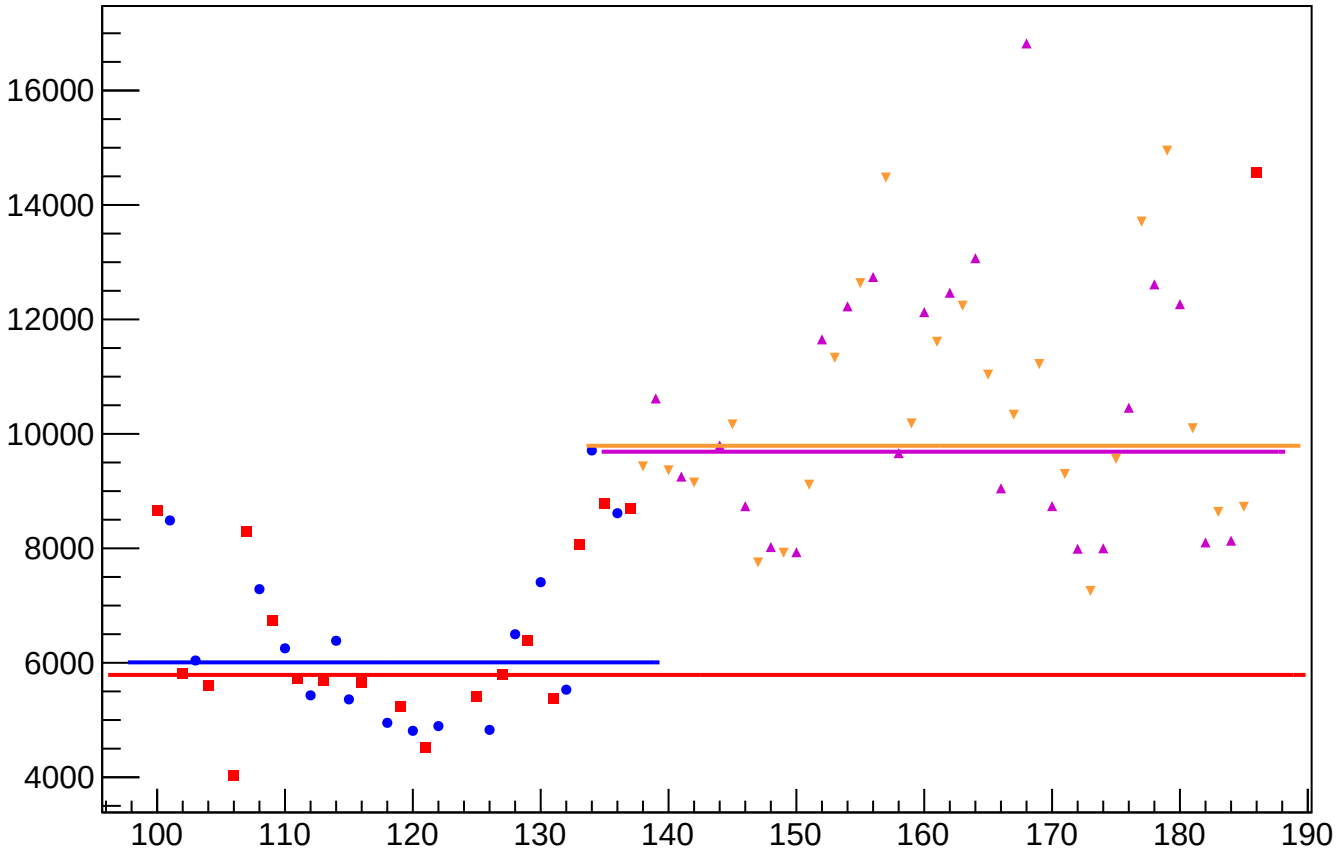
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -250.361+/-1565.537 χ^2/NDF: 39.5/34

In: -755.636+/-1629.511 χ^2/NDF:28.4/38

Out: -389.024+/-1575.492 χ^2/NDF:55.6/42

All: -566.153+/-1132.657 χ^2/NDF: 84.0/81



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5788.303+/-1.514 χ^2/NDF: 836123.2/18

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

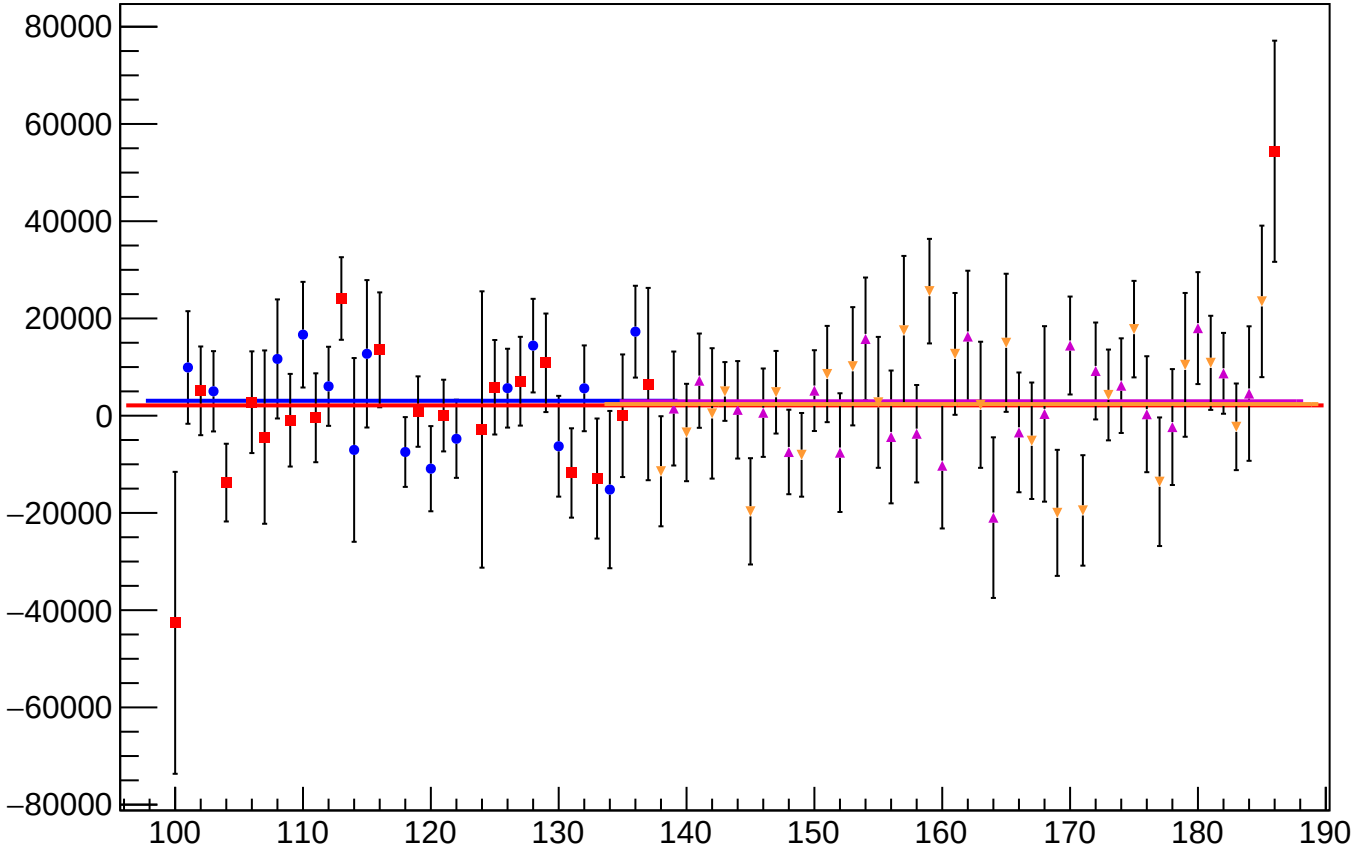
Right: 5890.293+/-1.107 χ^2/NDF: 1499874.9/34

In: 7831.922+/-1.152 χ^2/NDF:4583148.2/38

Out: 7624.806+/-1.114 χ^2/NDF:5262469.9/42

All: 7724.874+/-0.801 χ^2/NDF: 9862317.7/81

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

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

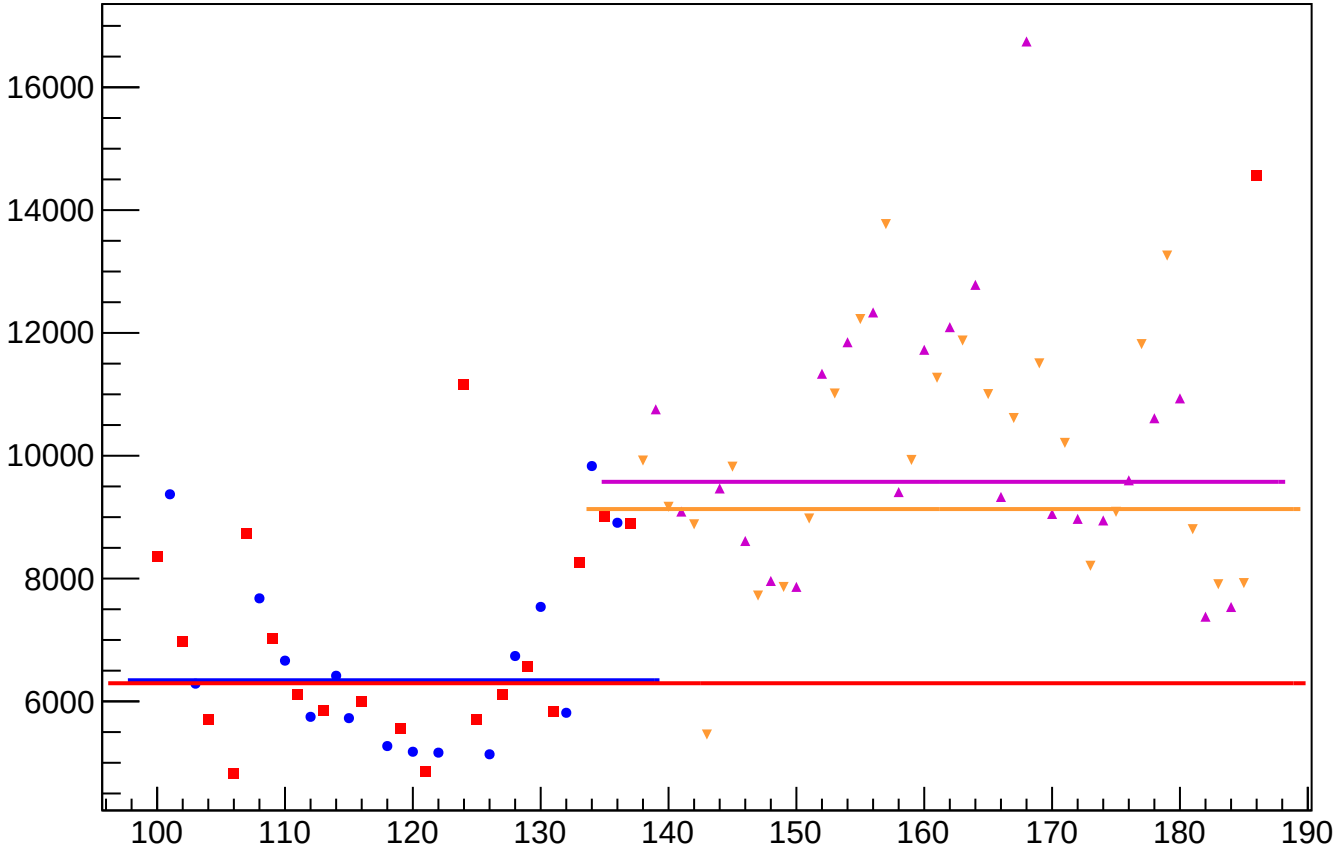
Right: 2574.878+/-1676.340 χ^2/NDF: 39.5/35

In: 3013.697+/-1659.309 χ^2/NDF:27.8/38

Out: 2264.411+/-1572.756 χ^2/NDF:54.3/44

All: 2619.003+/-1141.479 χ^2/NDF: 82.2/83

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

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

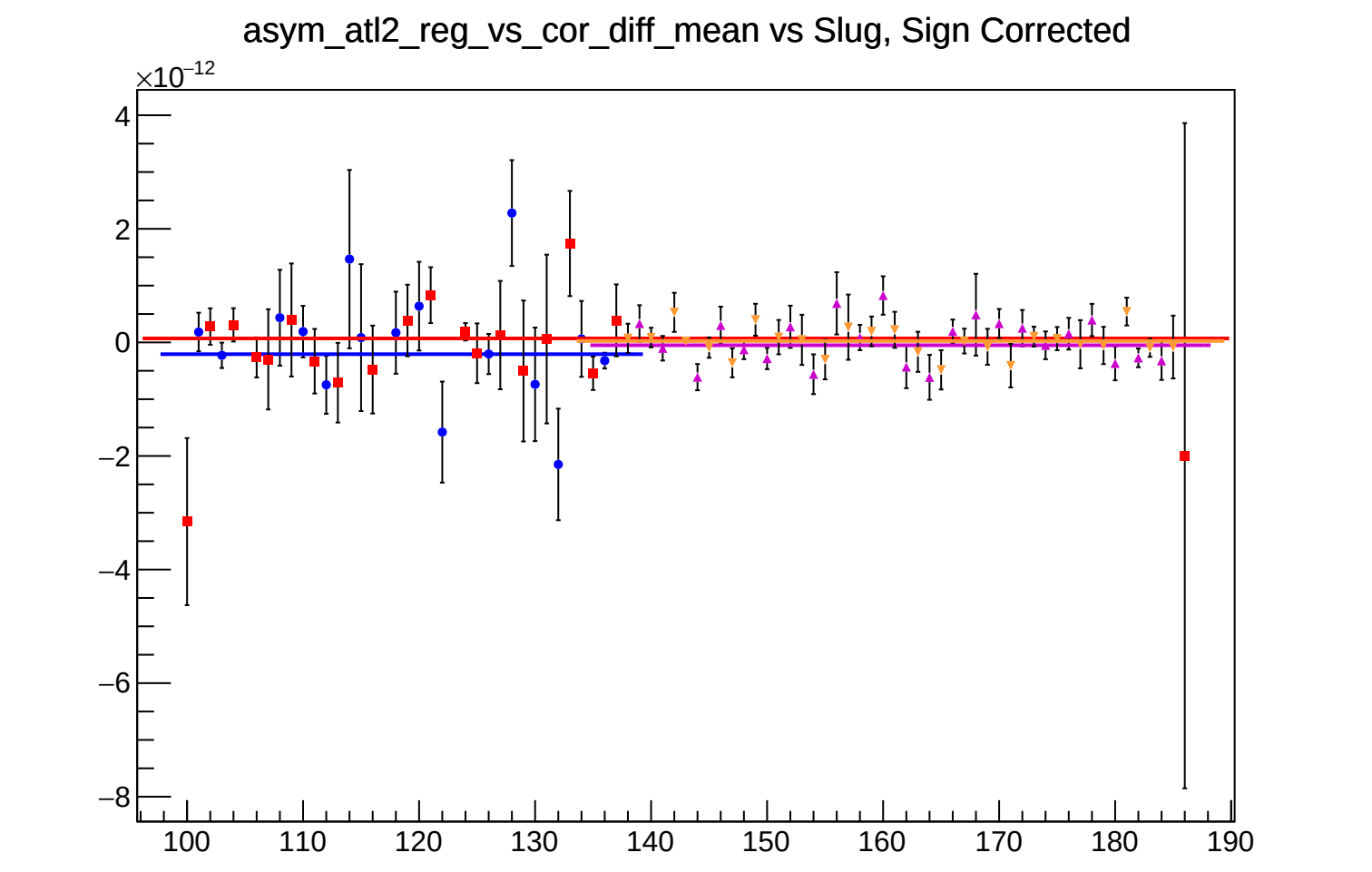
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 6318.562+/-1.185 χ^2/NDF: 1360611.0/35

In: 8056.920+/-1.173 χ^2/NDF:3664452.6/38

Out: 7832.304+/-1.112 χ^2/NDF:4165442.4/44

All: 7938.601+/-0.807 χ^2/NDF: 7849200.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

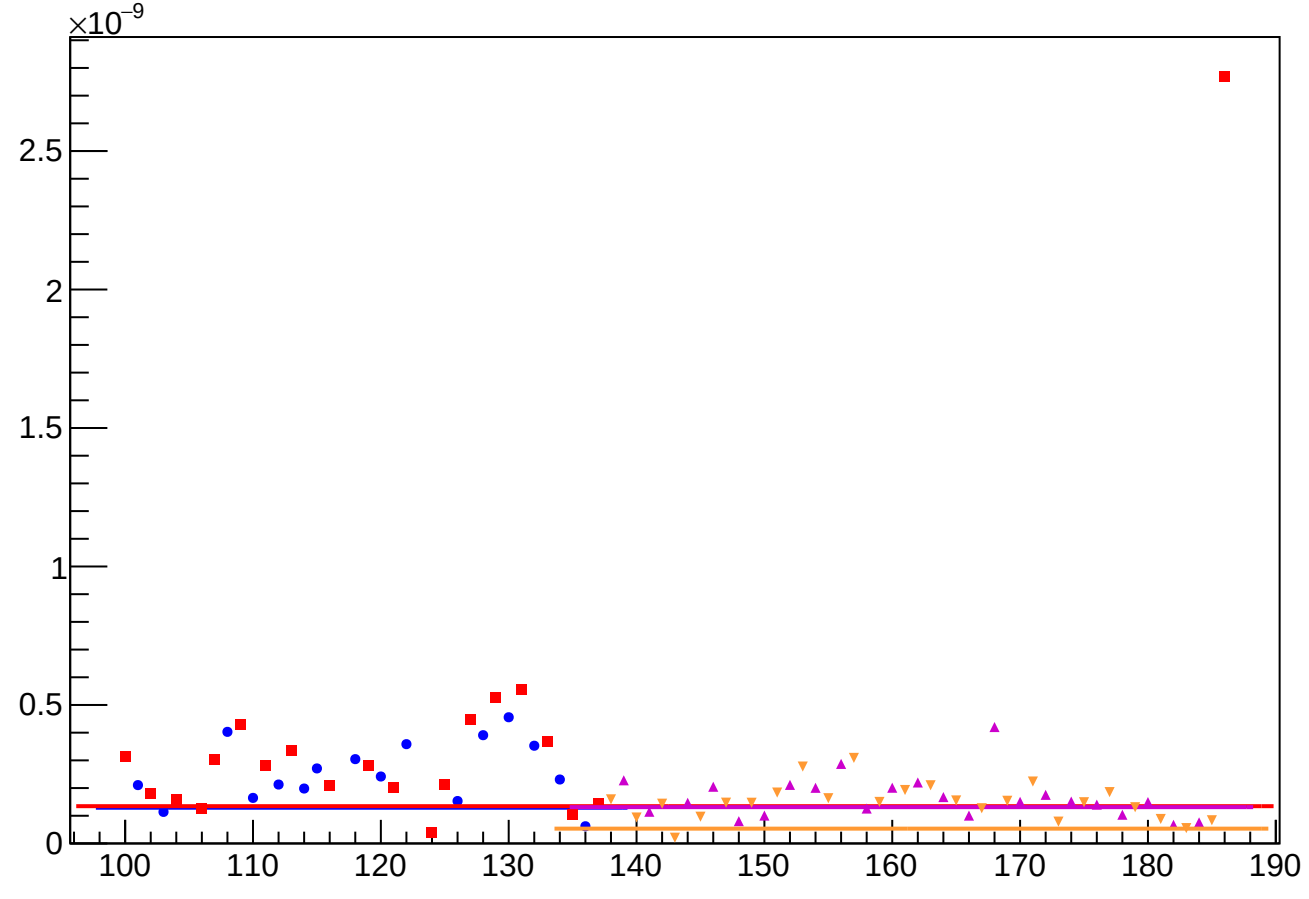
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 46.2/35

In: -0.000+/-0.000 χ^2/NDF:59.8/38

Out: 0.000+/-0.000 χ^2/NDF:39.1/44

All: -0.000+/-0.000 χ^2/NDF: 103.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

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

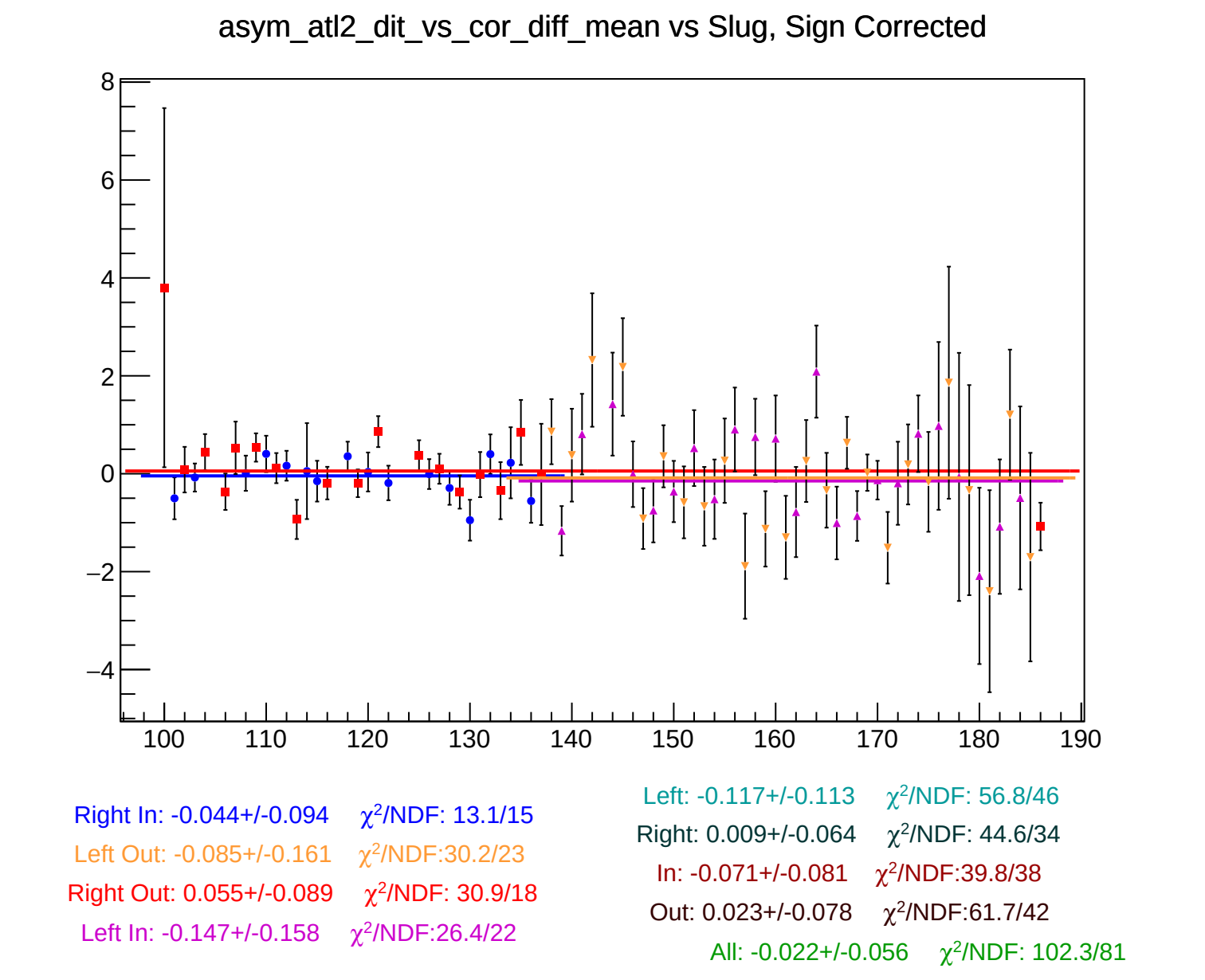
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4433184.3/35

In: 0.000+/-0.000 χ^2/NDF:3625211.6/38

Out: 0.000+/-0.000 χ^2/NDF:11264633.6/44

All: 0.000+/-0.000 χ^2/NDF: 18101132.8/83


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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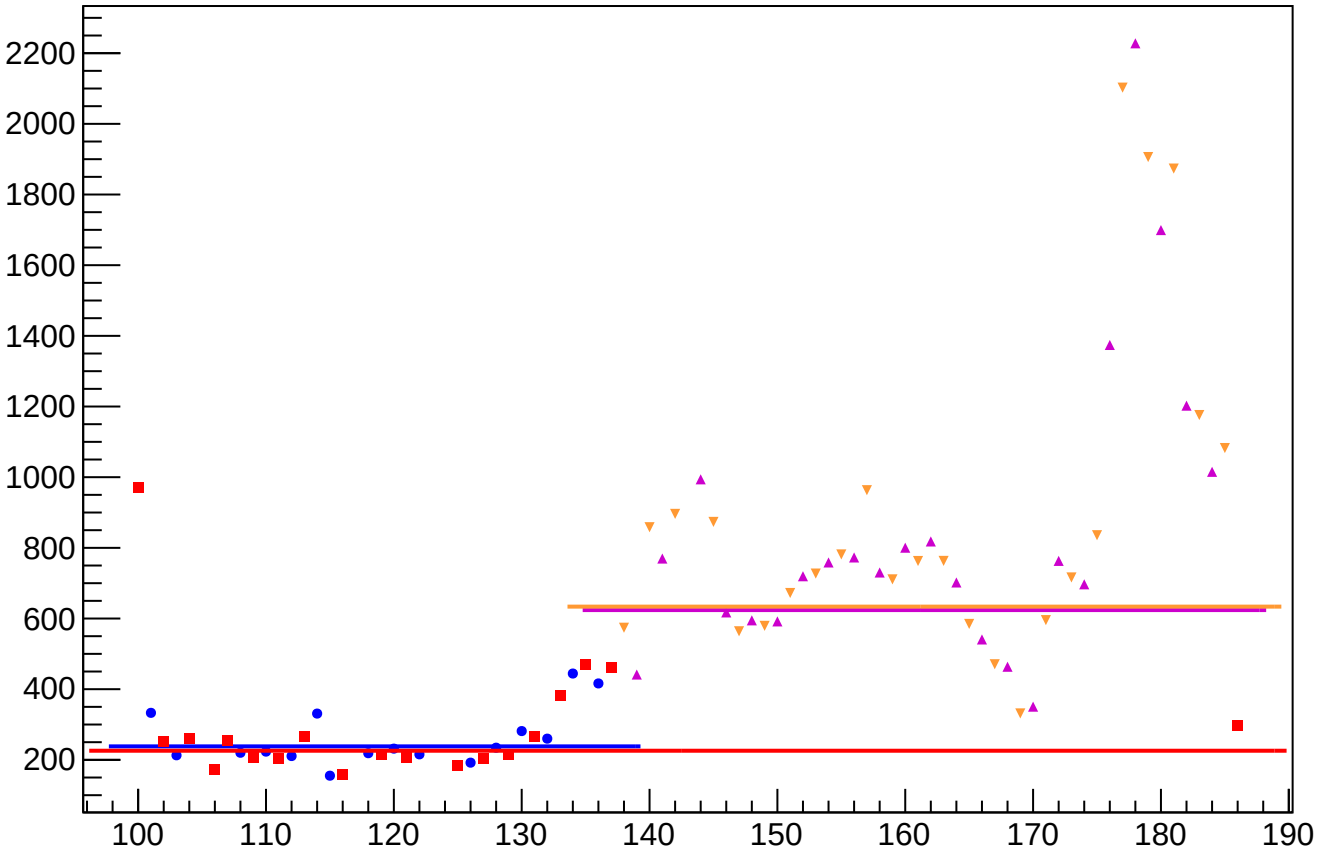
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.055+/-0.089 χ²/NDF: 30.9/18
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.009+/-0.064 χ²/NDF: 44.6/34
In: -0.071+/-0.081 χ²/NDF:39.8/38
Out: 0.023+/-0.078 χ²/NDF:61.7/42
All: -0.022+/-0.056 χ²/NDF: 102.3/81



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

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

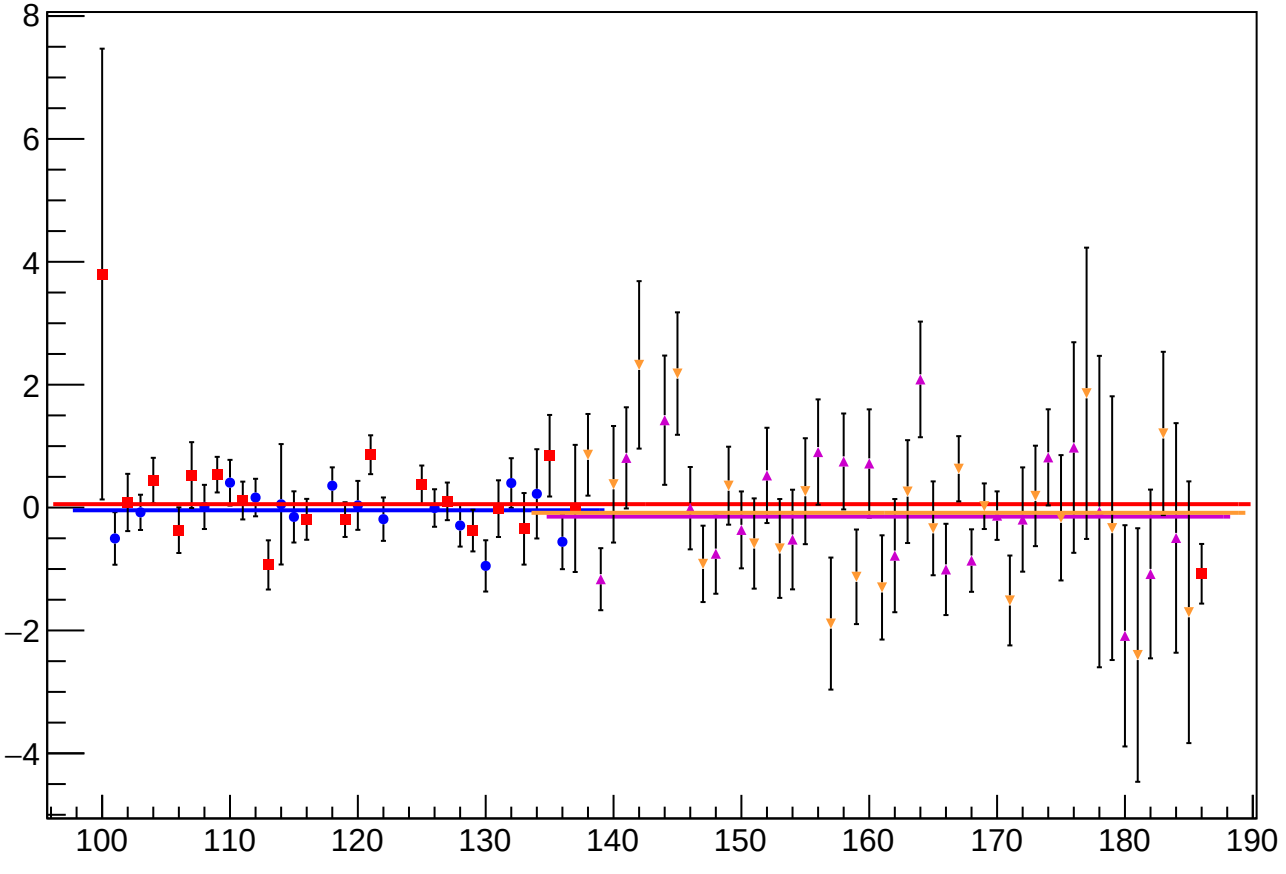
Right: 231.644+/-0.046 χ^2/NDF: 1732364.6/34

In: 338.491+/-0.057 χ^2/NDF:14146013.2/38

Out: 320.125+/-0.055 χ^2/NDF:15715015.1/42

All: 328.953+/-0.040 χ^2/NDF: 29914843.4/81

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.085+/-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

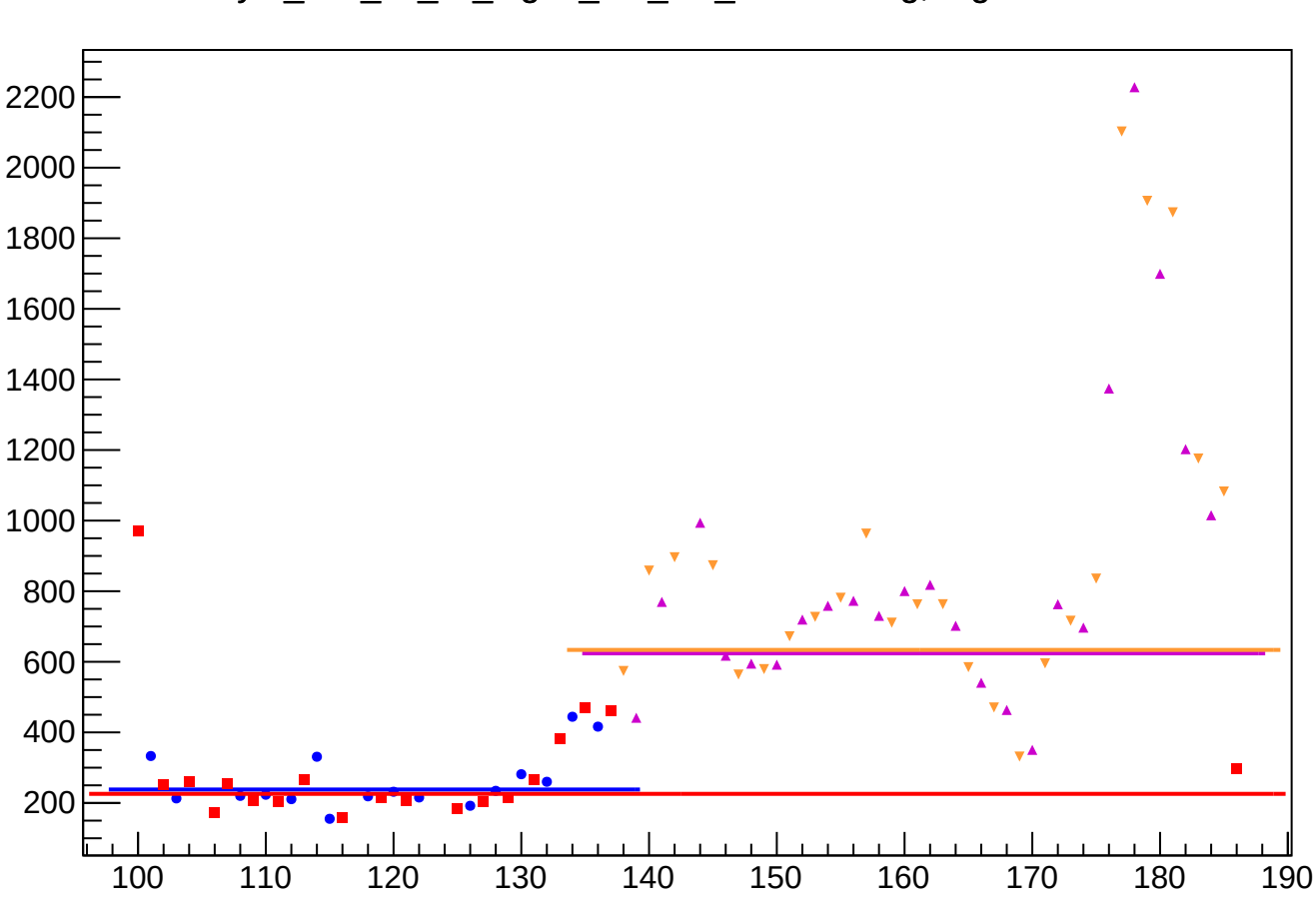
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.009+/-0.064 χ^2/NDF: 44.6/34

In: -0.071+/-0.081 χ^2/NDF:39.8/38

Out: 0.023+/-0.078 χ^2/NDF:61.7/42

All: -0.022+/-0.056 χ^2/NDF: 102.3/81


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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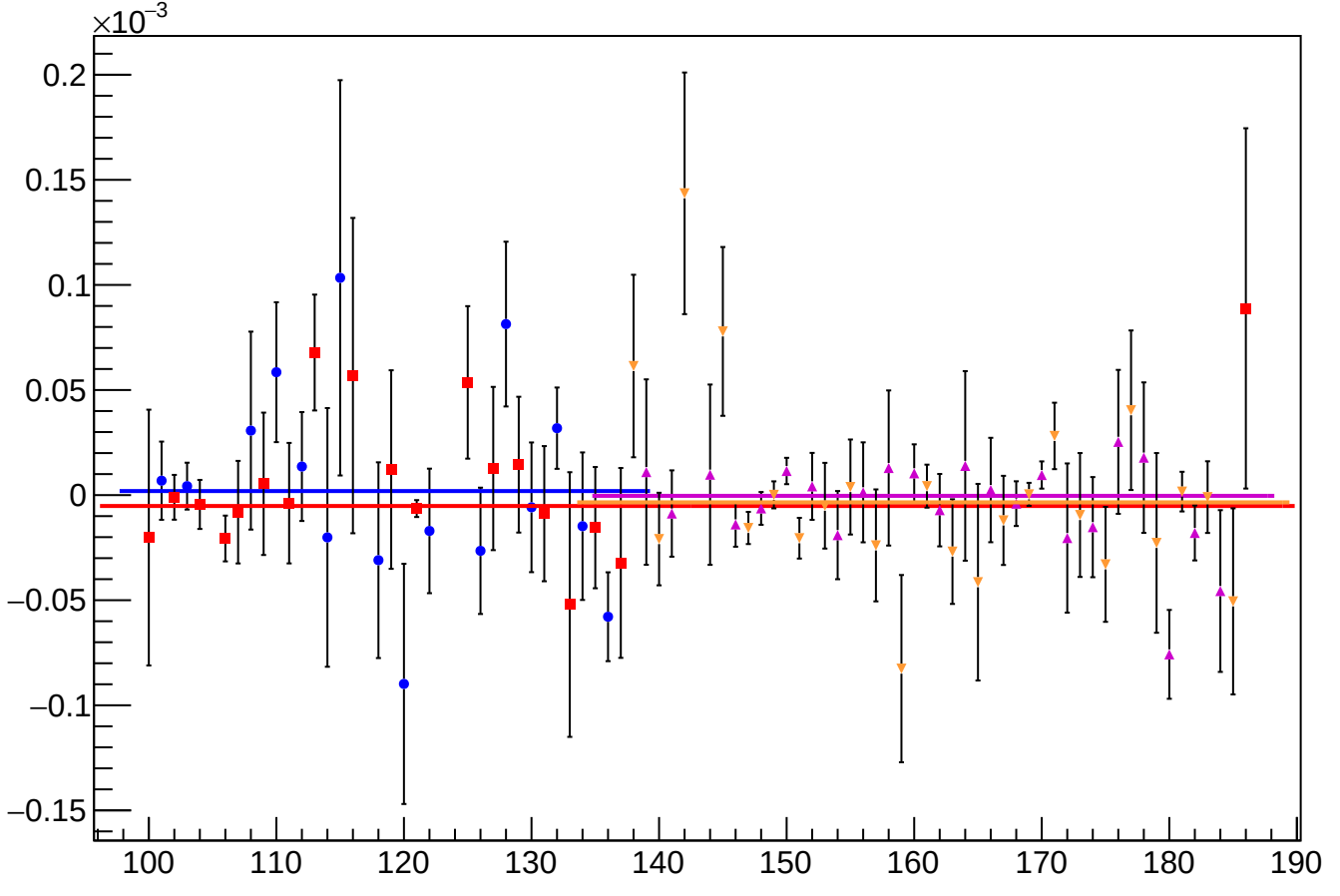
Right In: 238.165+/-0.066 χ²/NDF: 807205.2/15
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 225.835+/-0.063 χ²/NDF: 906882.2/18
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 231.644+/-0.046 χ²/NDF: 1732364.6/34
In: 338.491+/-0.057 χ²/NDF:14146013.2/38
Out: 320.125+/-0.055 χ²/NDF:15715015.1/42
All: 328.953+/-0.040 χ²/NDF: 29914843.4/81



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

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

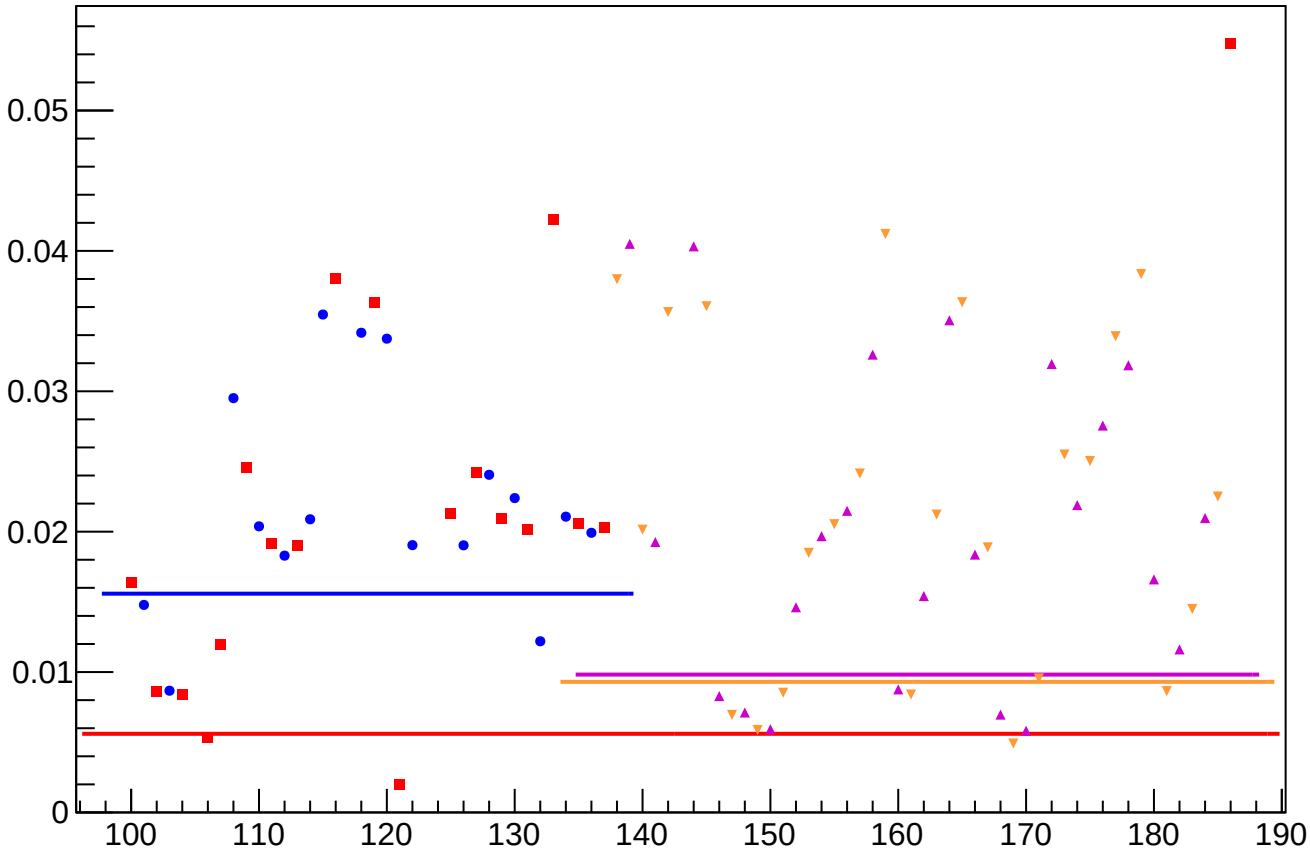
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 40.8/34

In: 0.000+/-0.000 χ^2/NDF:52.0/38

Out: -0.000+/-0.000 χ^2/NDF:50.2/42

All: -0.000+/-0.000 χ^2/NDF: 103.8/81



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

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

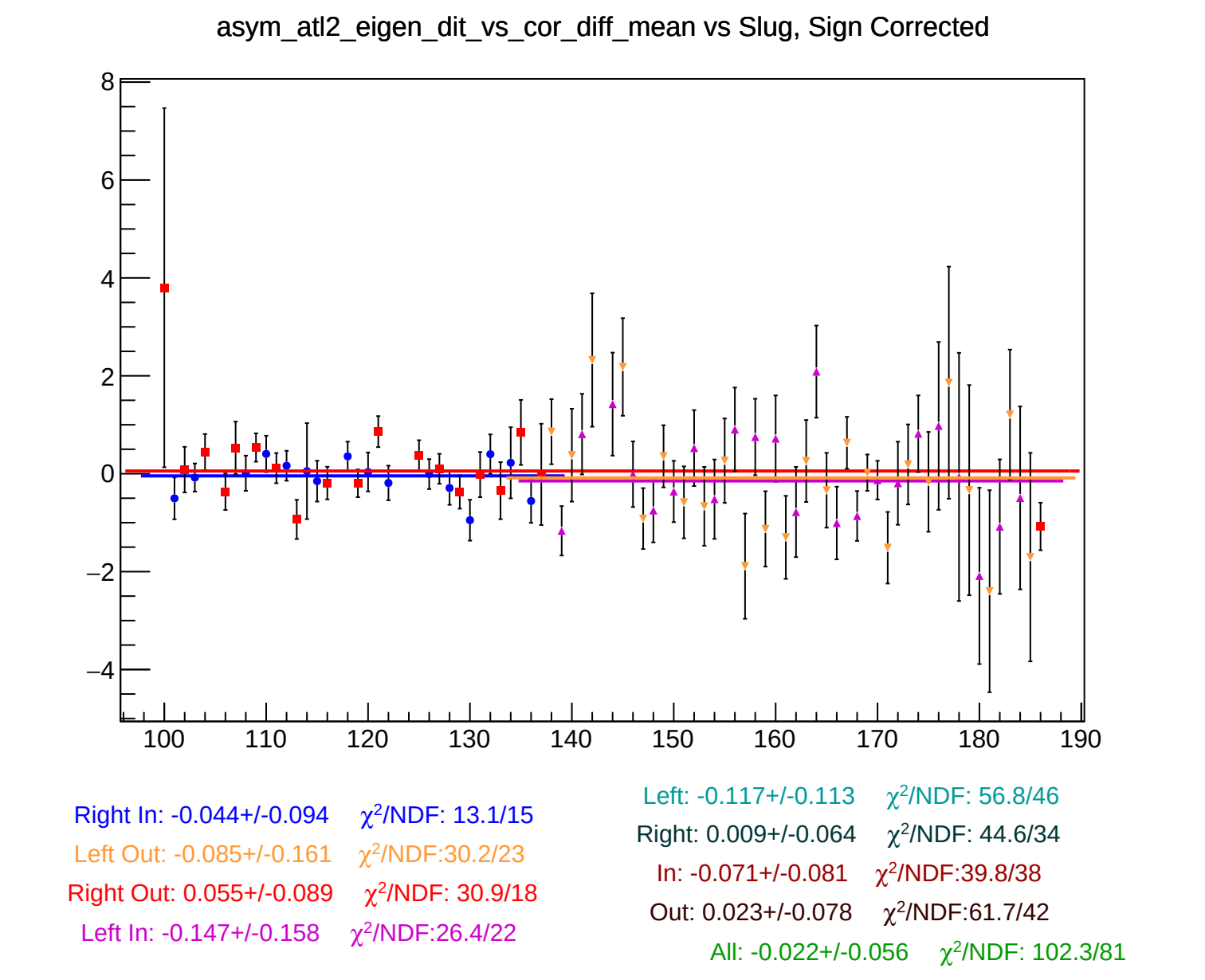
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.008+/-0.000 χ^2/NDF: 14605141.1/34

In: 0.011+/-0.000 χ^2/NDF:13736939.6/38

Out: 0.008+/-0.000 χ^2/NDF:22377284.6/42

All: 0.009+/-0.000 χ^2/NDF: 37791275.5/81


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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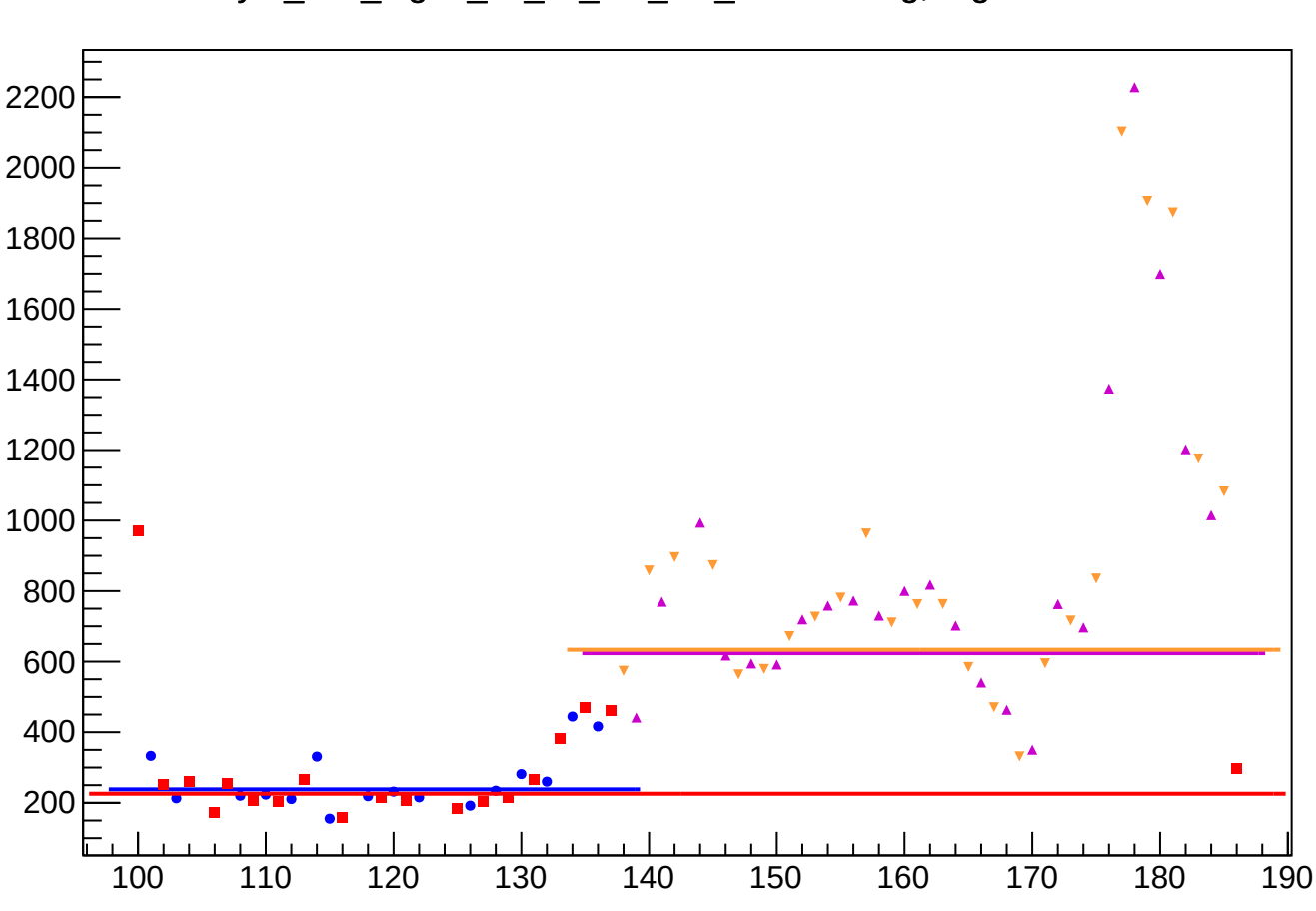
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.055+/-0.089 χ²/NDF: 30.9/18
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.009+/-0.064 χ²/NDF: 44.6/34
In: -0.071+/-0.081 χ²/NDF:39.8/38
Out: 0.023+/-0.078 χ²/NDF:61.7/42
All: -0.022+/-0.056 χ²/NDF: 102.3/81


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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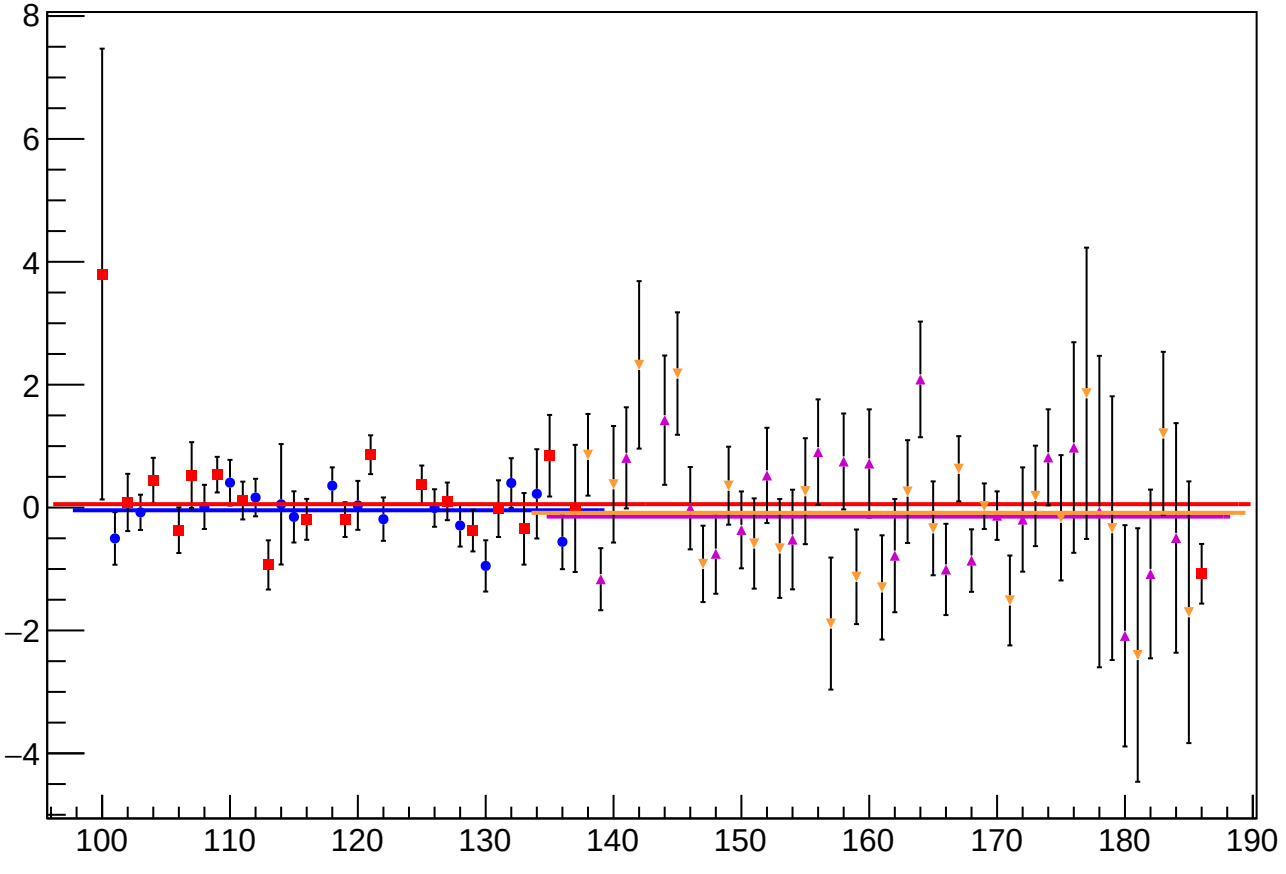
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 225.836+/-0.063 χ²/NDF: 906788.8/18
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 231.644+/-0.046 χ²/NDF: 1732235.4/34
In: 338.492+/-0.057 χ²/NDF:14146075.6/38
Out: 320.126+/-0.055 χ²/NDF:15715024.3/42
All: 328.953+/-0.040 χ²/NDF: 29914917.3/81

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.085+/-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

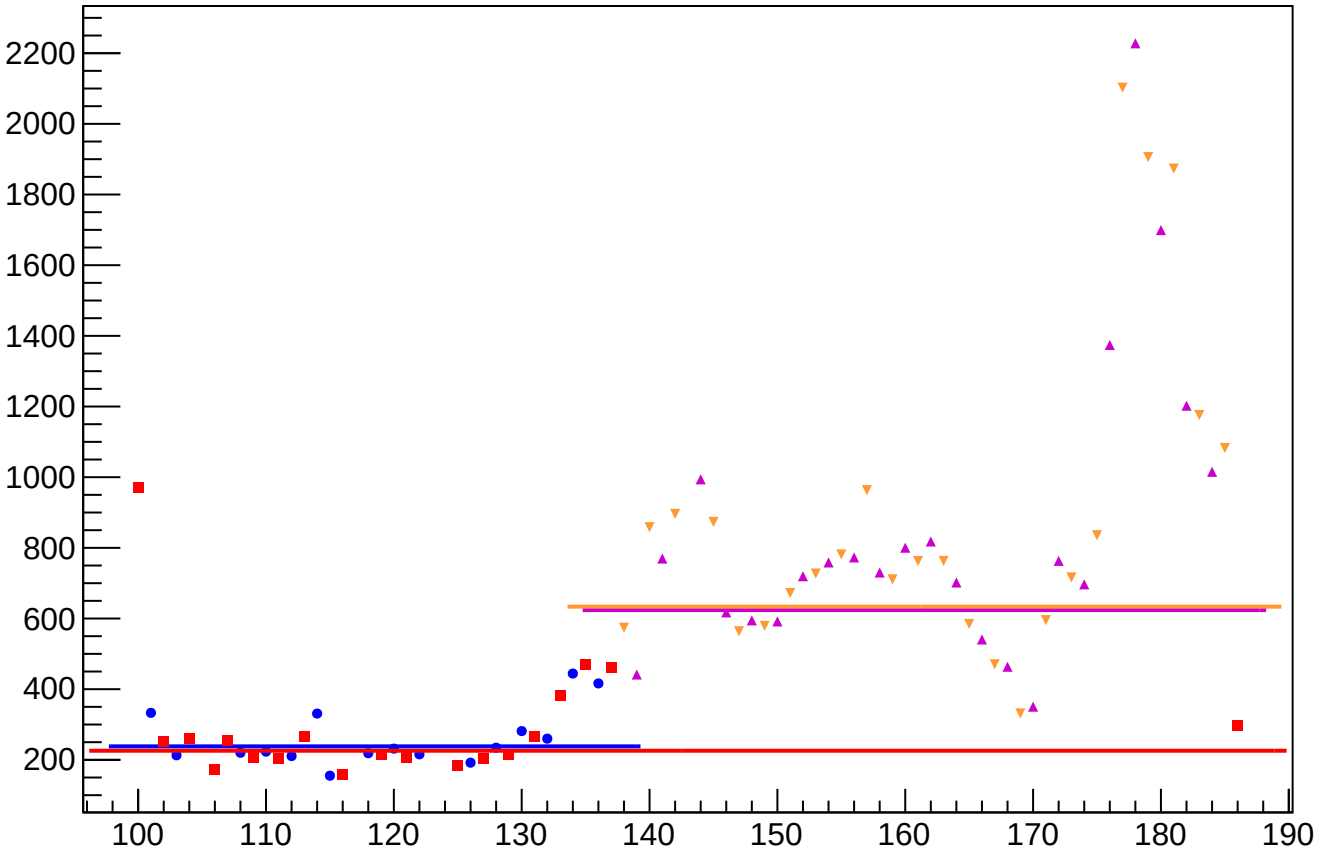
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.009+/-0.064 χ^2/NDF: 44.6/34

In: -0.071+/-0.081 χ^2/NDF:39.8/38

Out: 0.023+/-0.078 χ^2/NDF:61.7/42

All: -0.022+/-0.056 χ^2/NDF: 102.3/81



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

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

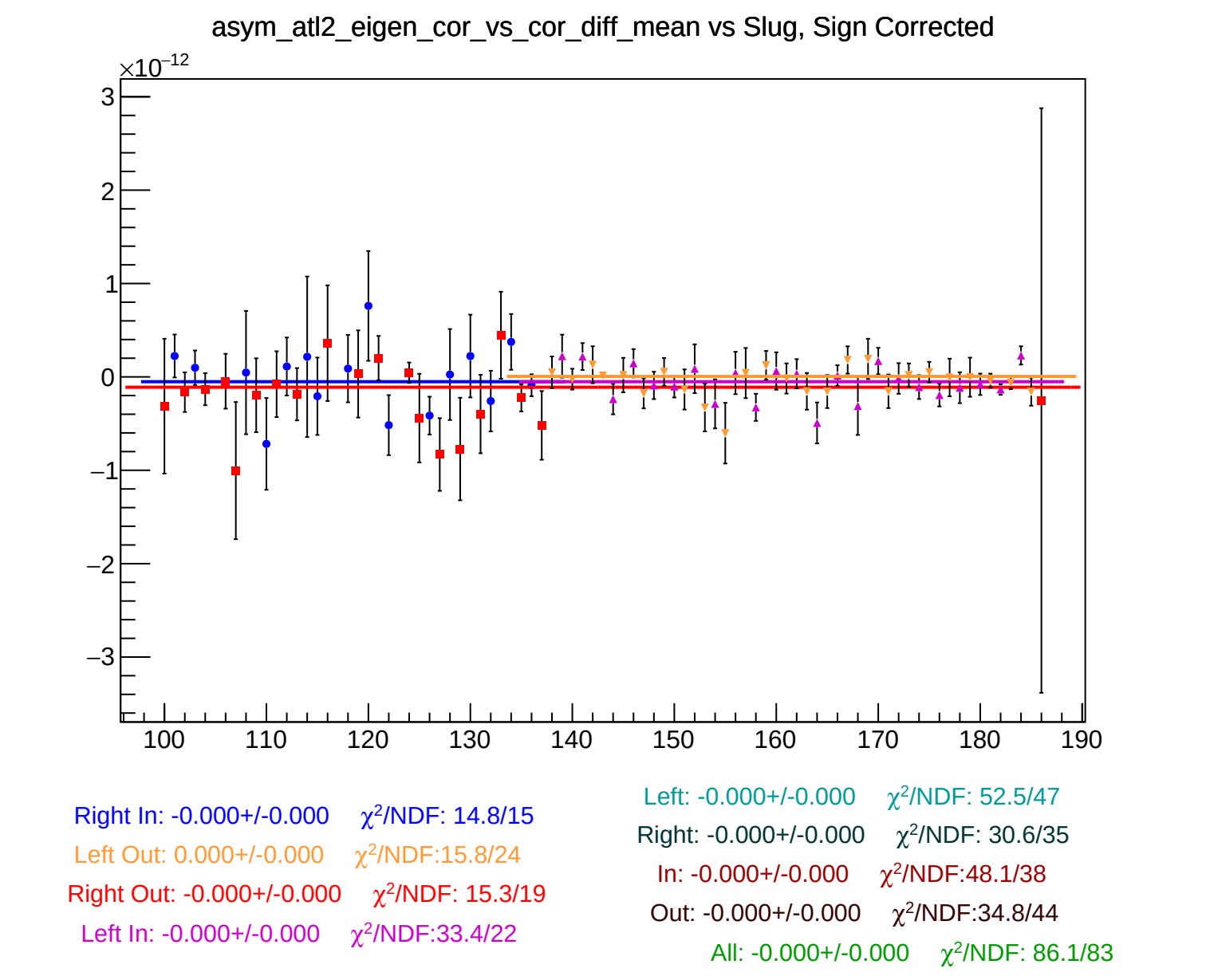
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 231.644+/-0.046 χ^2/NDF: 1732235.4/34

In: 338.492+/-0.057 χ^2/NDF:14146075.6/38

Out: 320.126+/-0.055 χ^2/NDF:15715024.3/42

All: 328.953+/-0.040 χ^2/NDF: 29914917.3/81


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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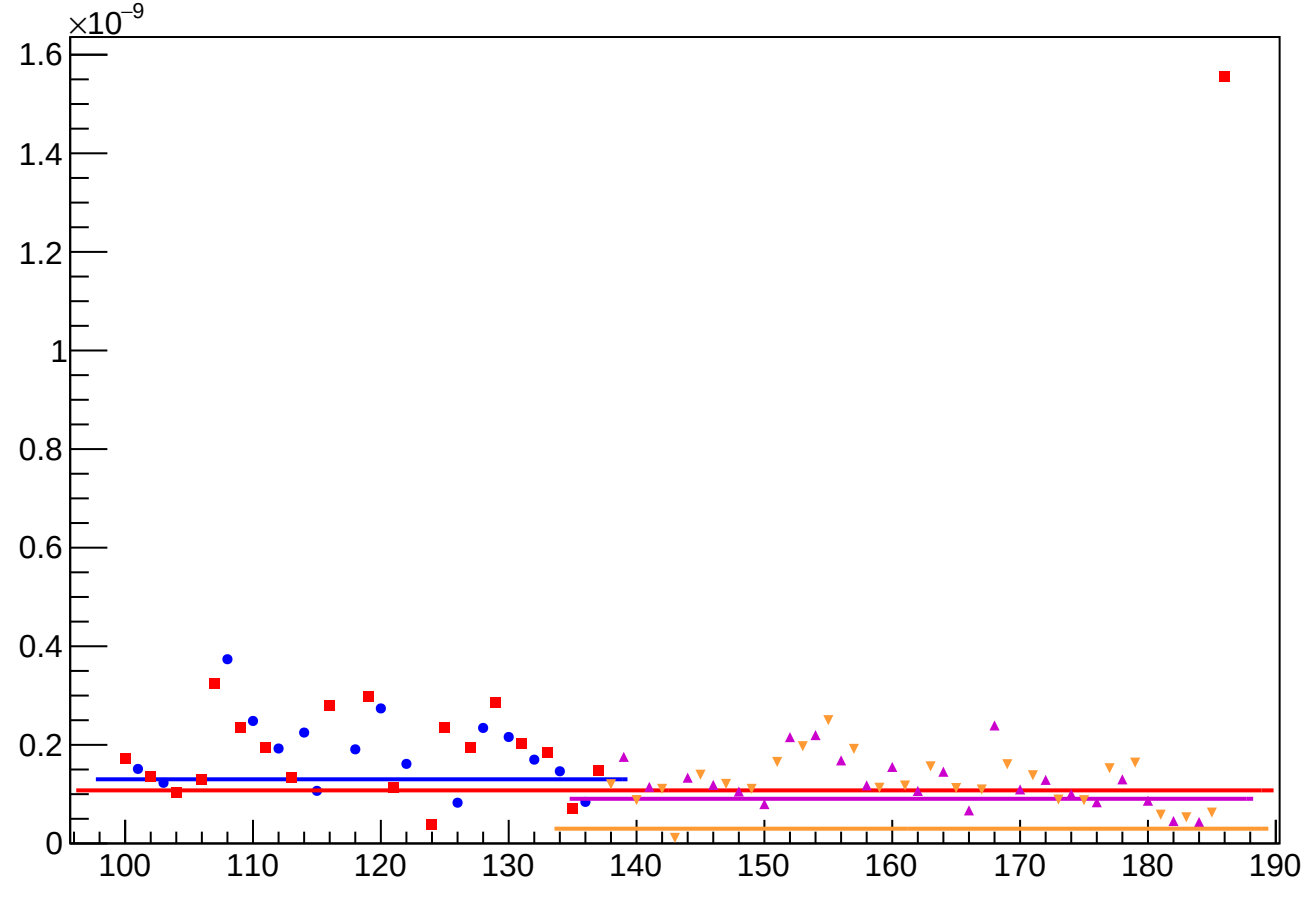
Right In: -0.000+/-0.000 χ²/NDF: 14.8/15
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/19
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 30.6/35
In: -0.000+/-0.000 χ²/NDF:48.1/38
Out: -0.000+/-0.000 χ²/NDF:34.8/44
All: -0.000+/-0.000 χ²/NDF: 86.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

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

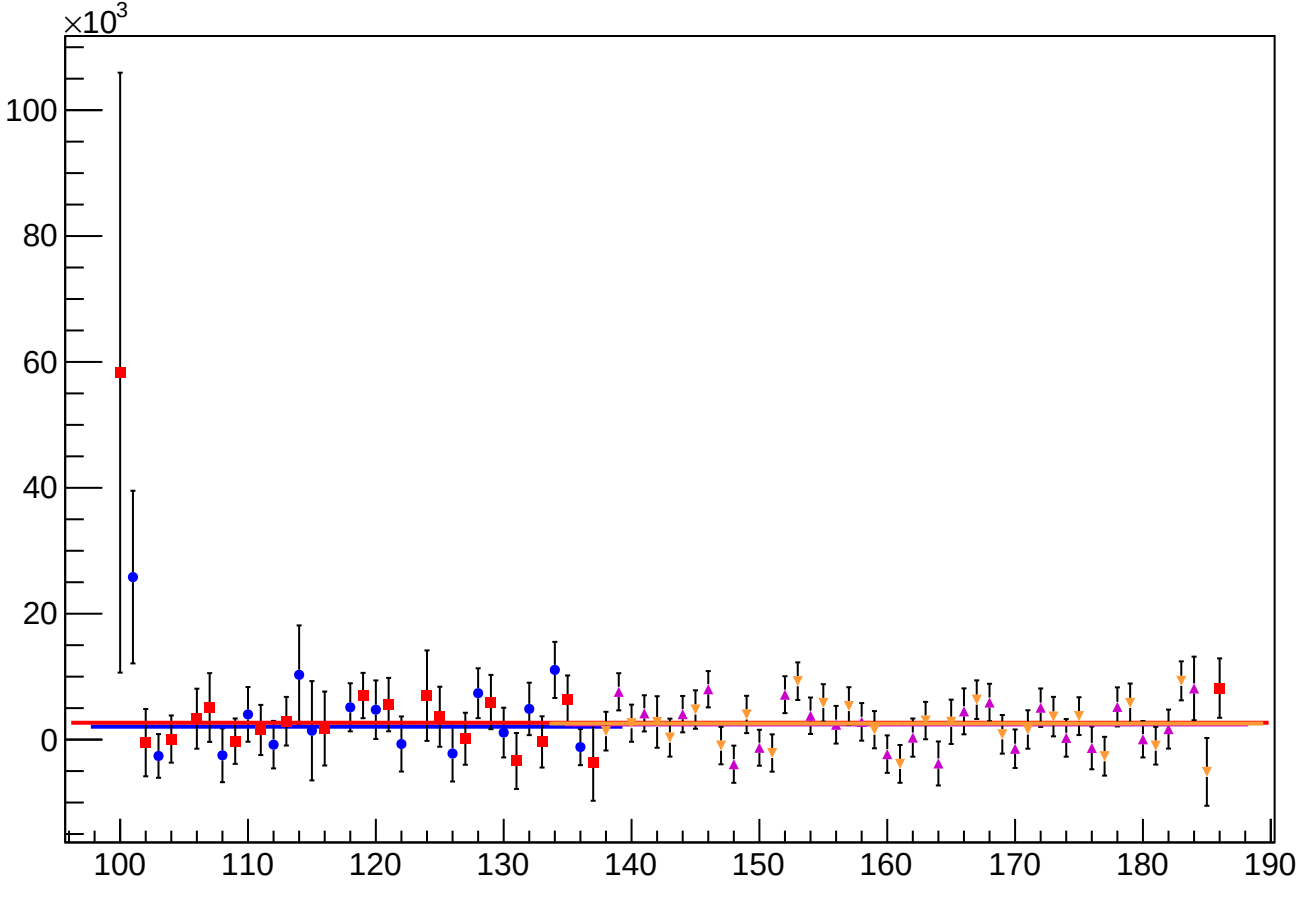
Right: 0.000+/-0.000 χ^2/NDF: 4544875.9/35

In: 0.000+/-0.000 χ^2/NDF:6637318.8/38

Out: 0.000+/-0.000 χ^2/NDF:23638795.2/44

All: 0.000+/-0.000 χ^2/NDF: 39543654.7/83

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

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

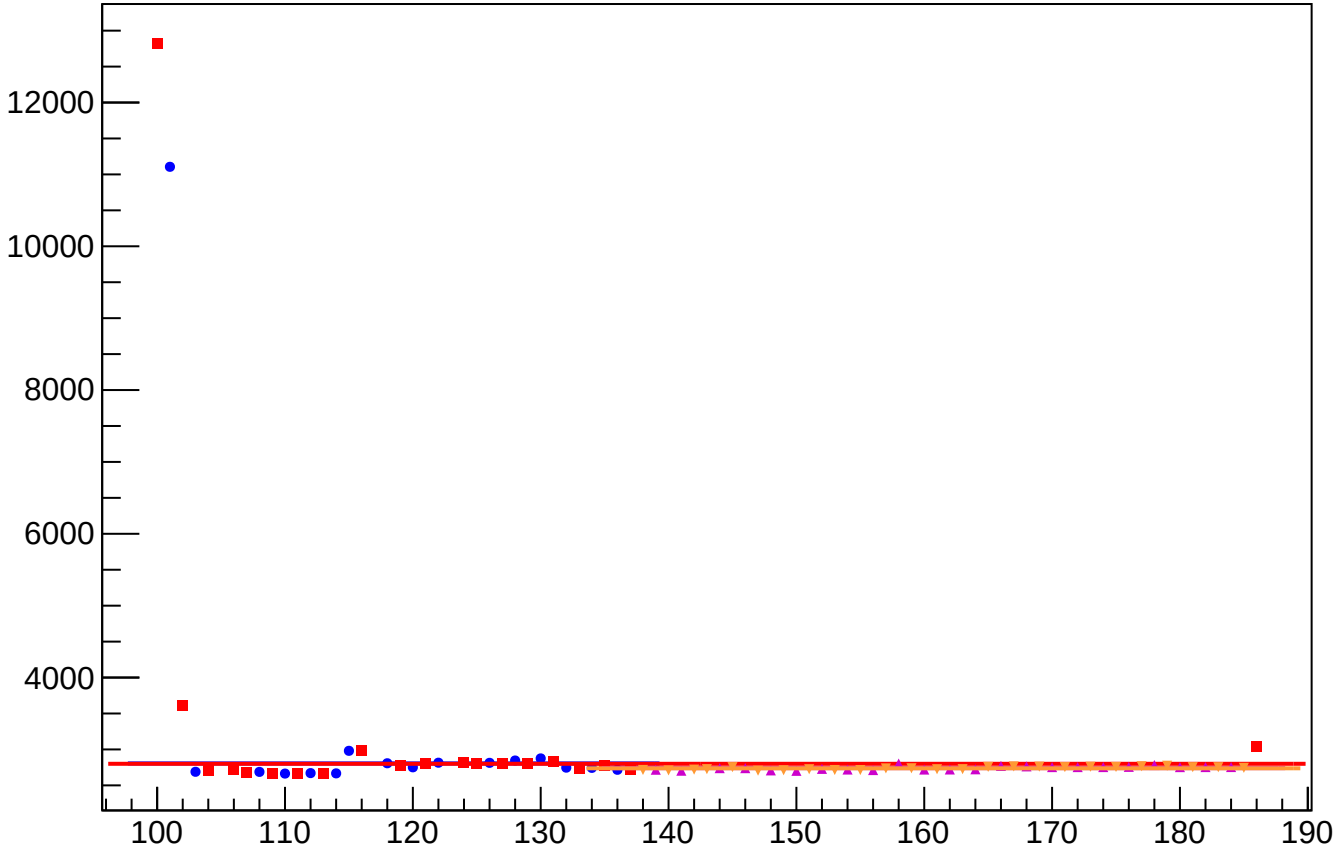
Right: 2381.030+/-735.141 χ^2/NDF: 30.2/35

In: 2313.882+/-549.128 χ^2/NDF:49.2/38

Out: 2589.800+/-529.720 χ^2/NDF:43.8/44

All: 2456.804+/-381.245 χ^2/NDF: 93.2/83

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

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

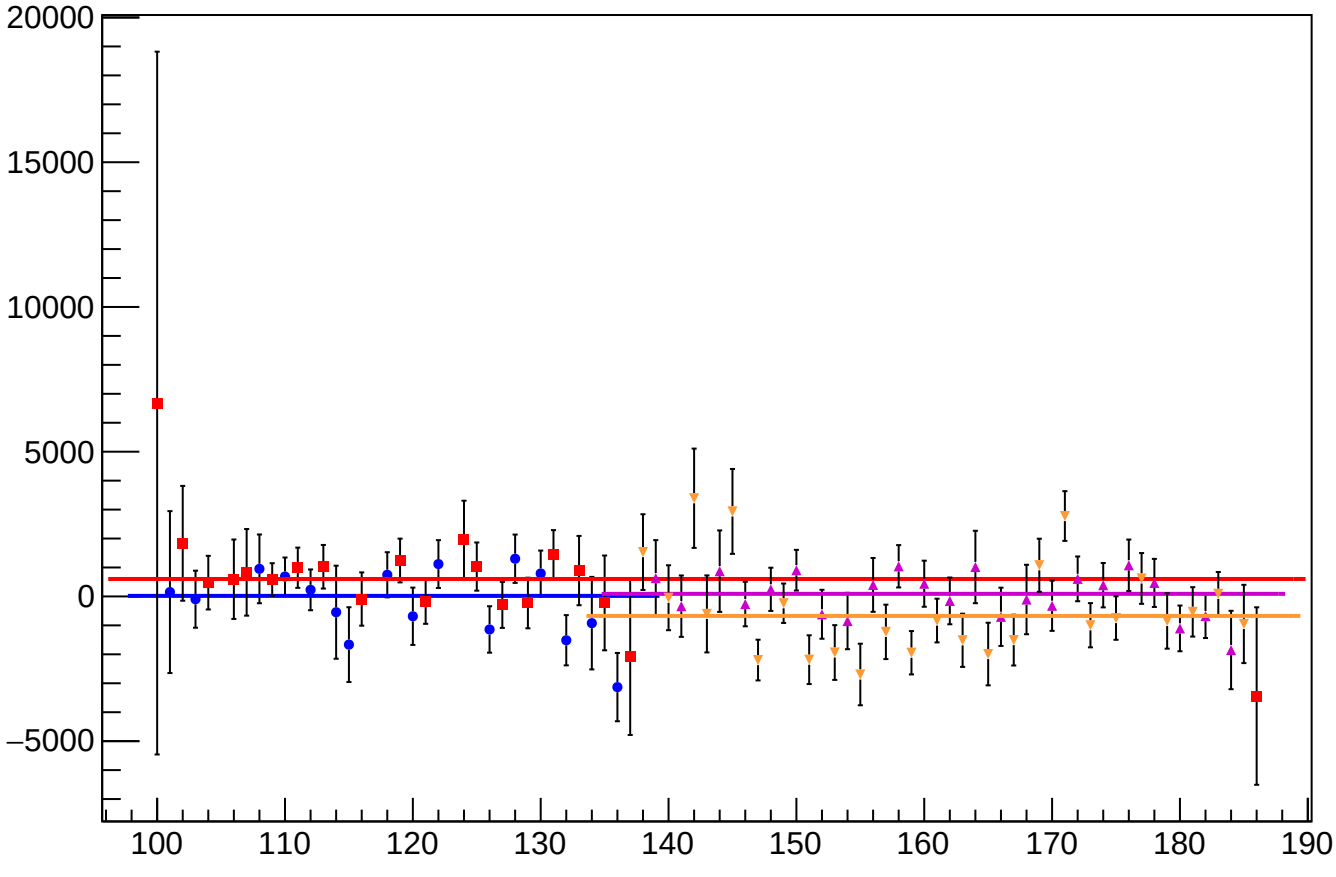
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2802.646+/-0.520 χ^2/NDF: 898473.2/35

In: 2757.123+/-0.388 χ^2/NDF:755134.5/38

Out: 2754.698+/-0.375 χ^2/NDF:160089.3/44

All: 2755.867+/-0.270 χ^2/NDF: 915244.0/83



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

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

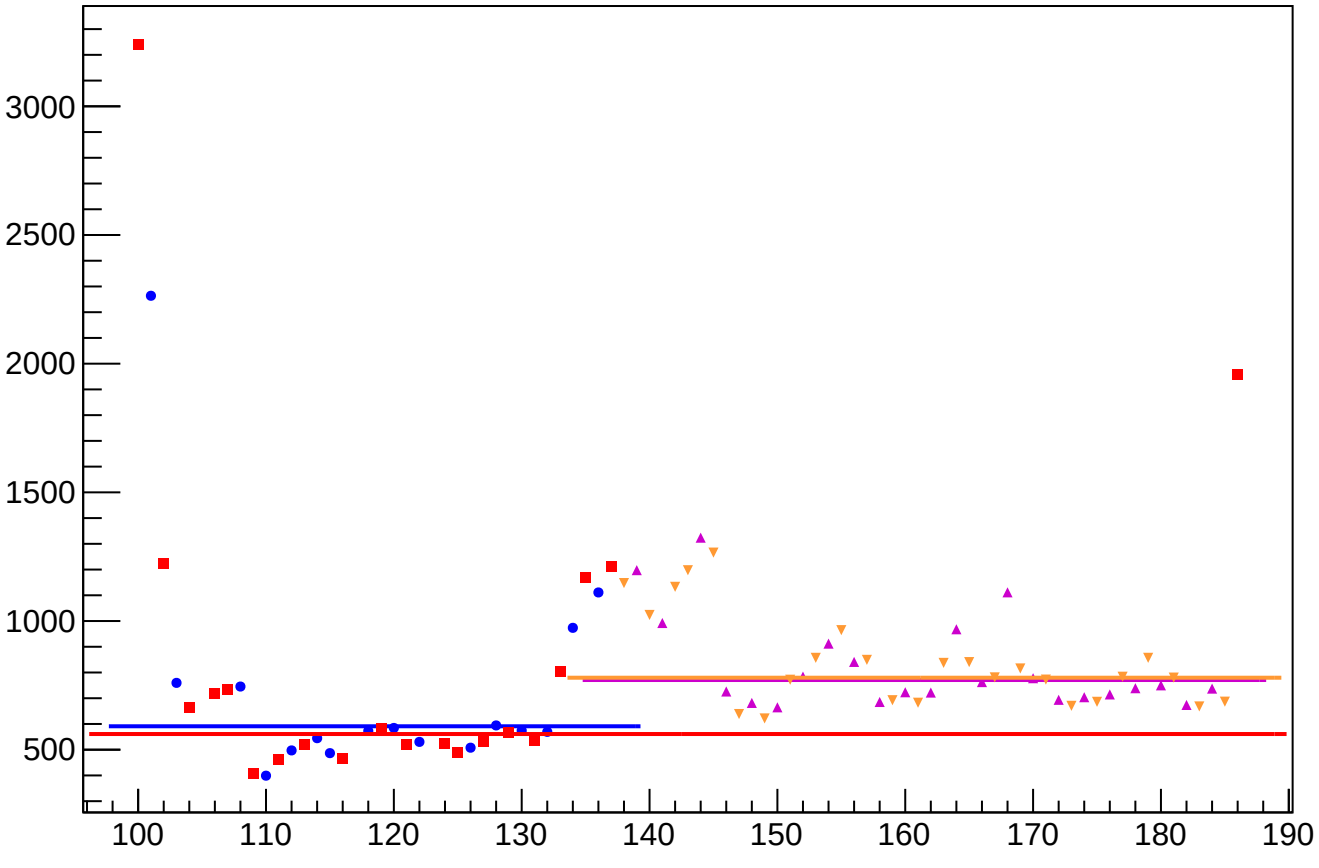
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 334.482+/-158.324 χ^2/NDF: 37.2/35

In: 62.587+/-144.270 χ^2/NDF:37.6/38

Out: -144.546+/-138.679 χ^2/NDF:90.0/44

All: -45.071+/-99.979 χ^2/NDF: 128.6/83



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

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

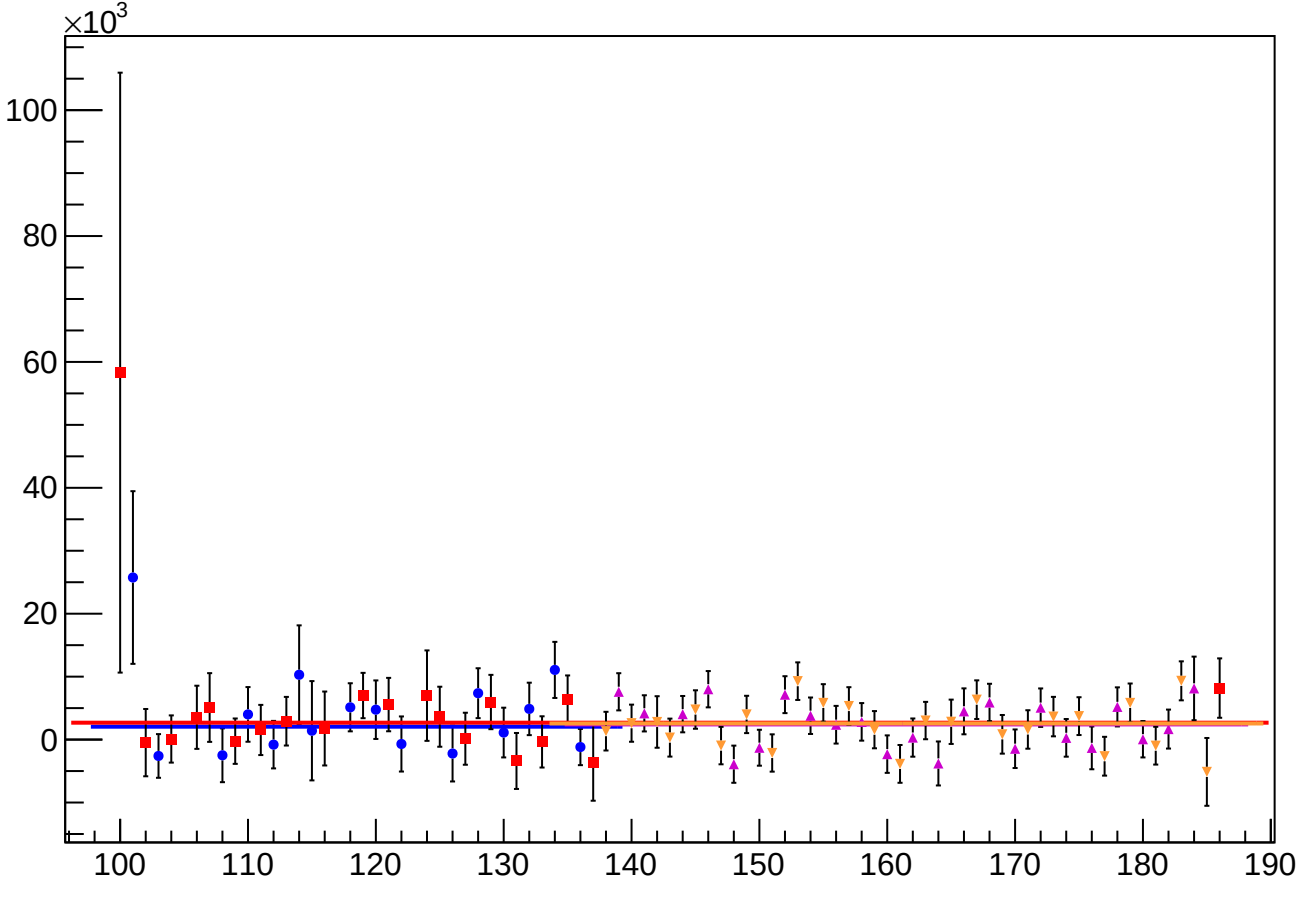
Right: 574.771+/-0.112 χ^2/NDF: 3120969.4/35

In: 702.163+/-0.102 χ^2/NDF:3376842.0/38

Out: 689.035+/-0.098 χ^2/NDF:3987193.5/44

All: 695.340+/-0.071 χ^2/NDF: 7372642.9/83

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

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

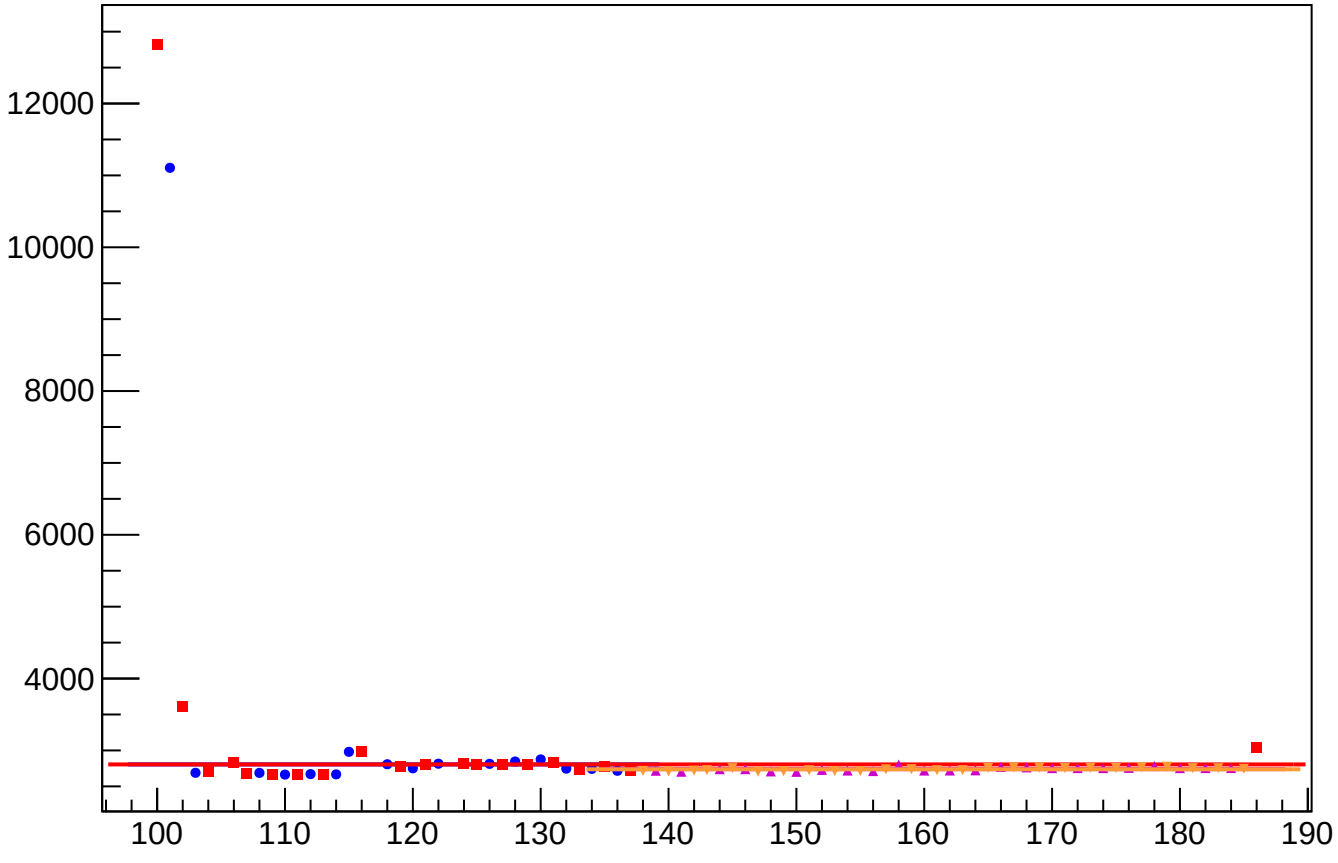
Right: 2383.616+/-735.993 χ^2/NDF: 30.2/35

In: 2313.775+/-549.128 χ^2/NDF:49.2/38

Out: 2591.561+/-530.038 χ^2/NDF:43.8/44

All: 2457.580+/-381.364 χ^2/NDF: 93.2/83

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

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

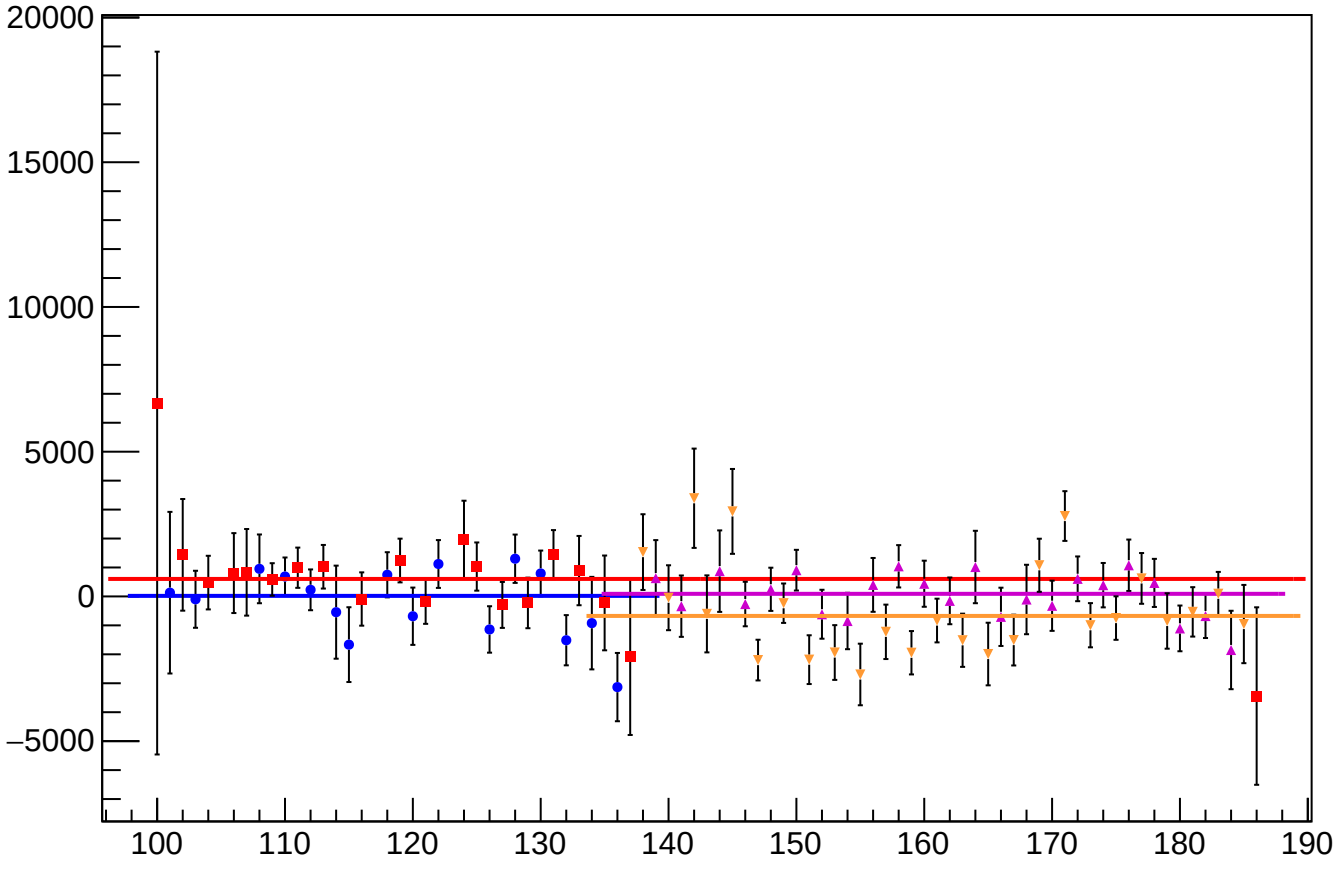
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.362+/-0.520 χ^2/NDF: 897968.3/35

In: 2757.123+/-0.388 χ^2/NDF:755133.6/38

Out: 2756.049+/-0.375 χ^2/NDF:160541.4/44

All: 2756.567+/-0.270 χ^2/NDF: 915679.0/83



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

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

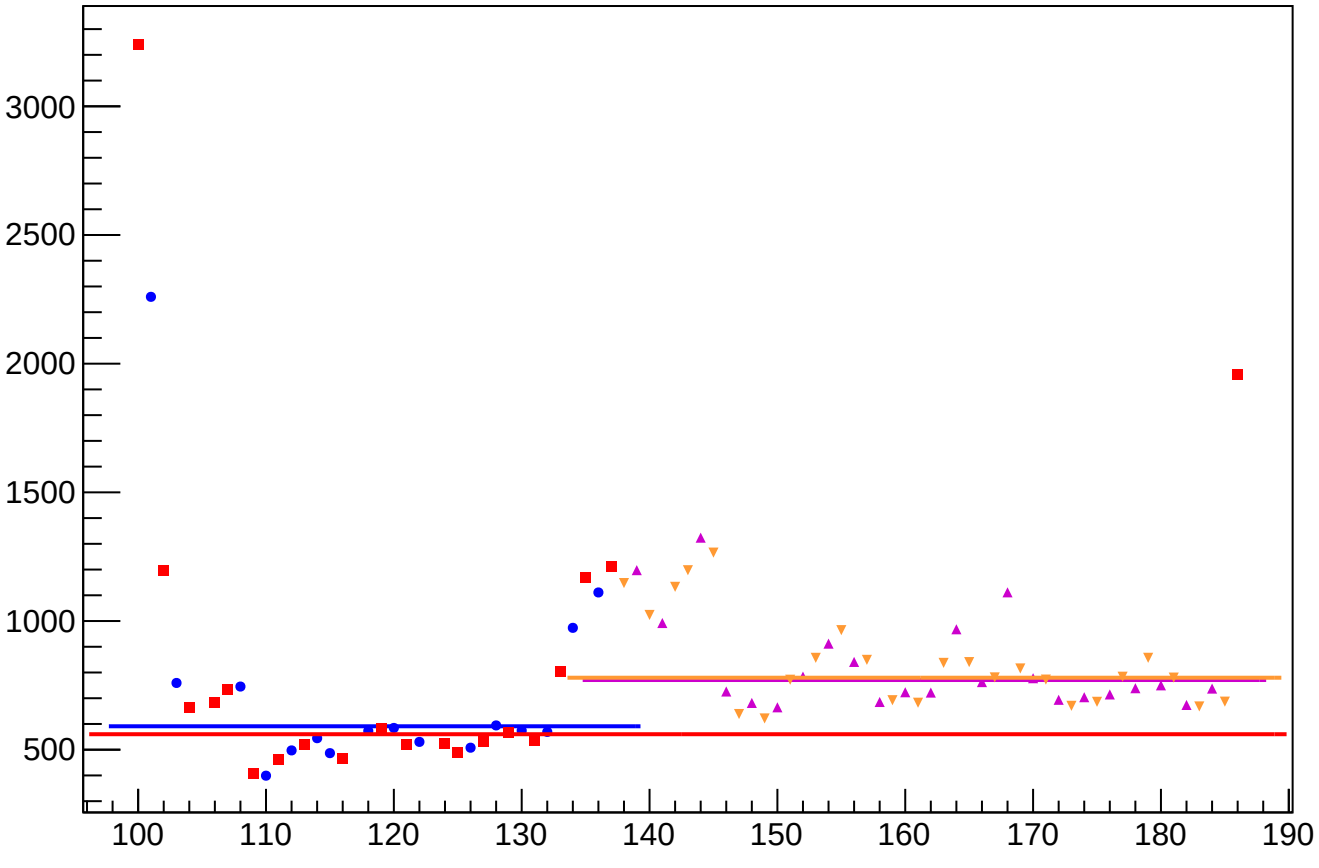
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 335.111+/-158.302 χ^2/NDF: 37.0/35

In: 62.646+/-144.268 χ^2/NDF:37.6/38

Out: -143.905+/-138.667 χ^2/NDF:89.8/44

All: -44.716+/-99.974 χ^2/NDF: 128.5/83



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

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

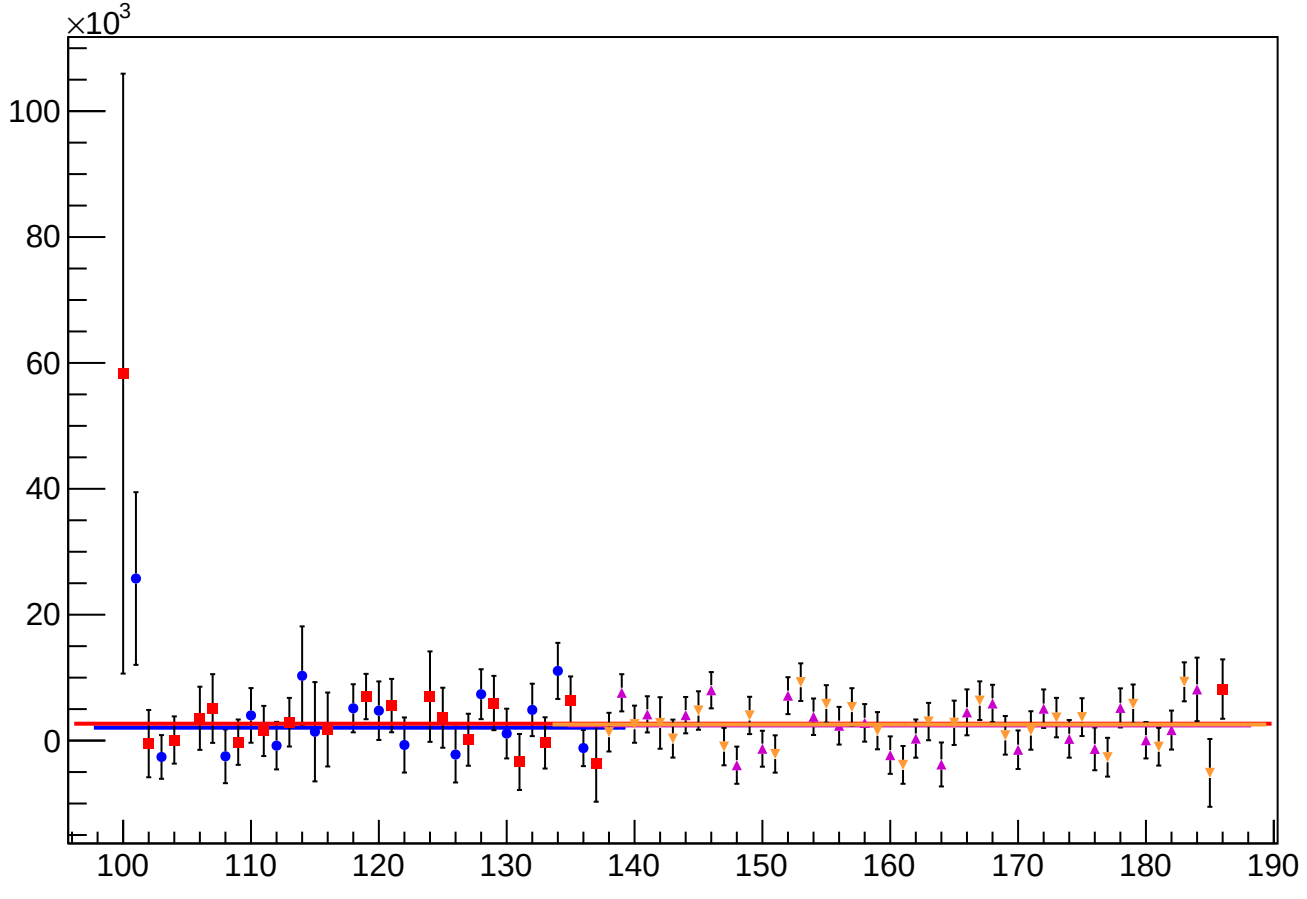
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 574.364+/-0.112 χ^2/NDF: 3106022.0/35

In: 702.161+/-0.102 χ^2/NDF:3375838.3/38

Out: 688.702+/-0.098 χ^2/NDF:3980953.9/44

All: 695.165+/-0.071 χ^2/NDF: 7365840.1/83



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

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

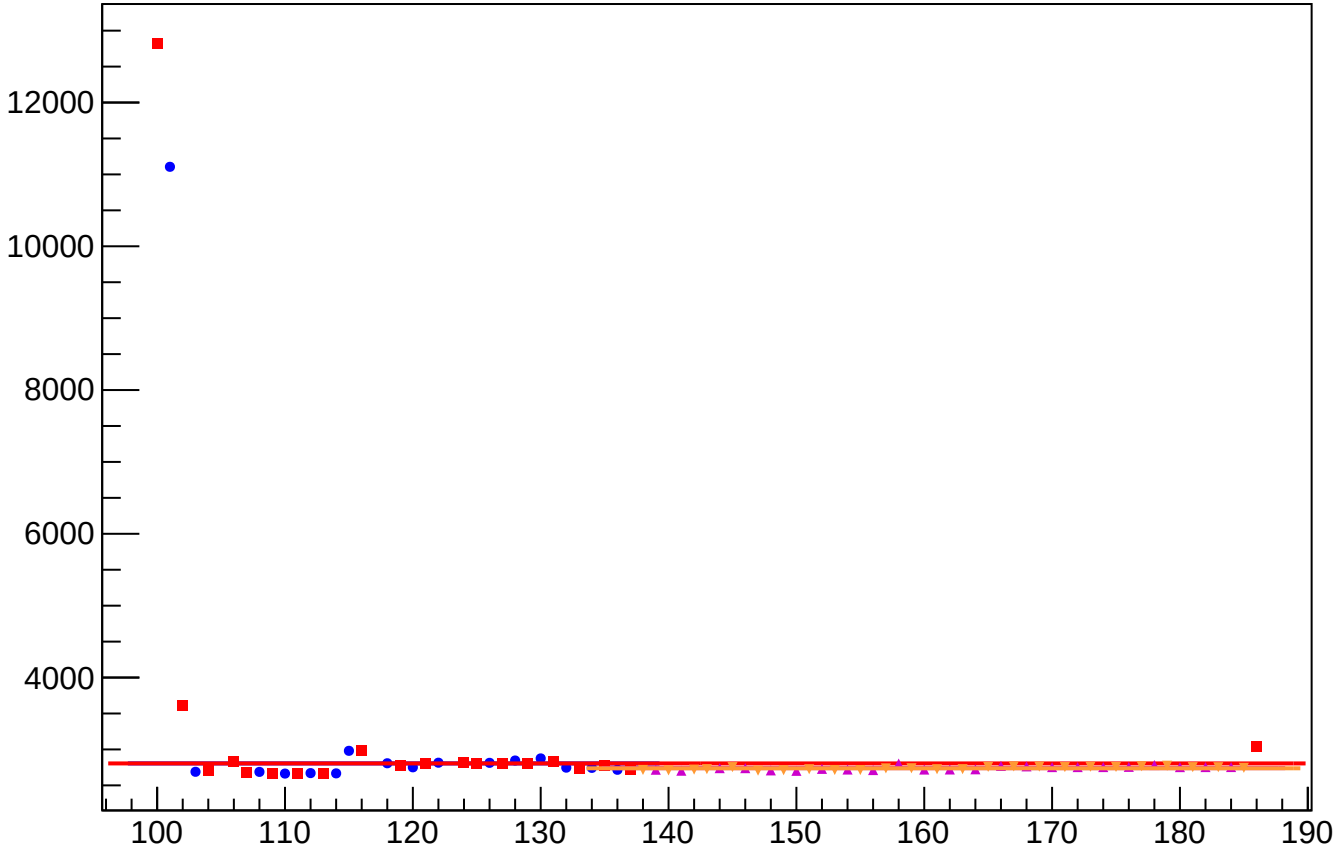
Right: 2383.616+/-735.993 χ^2/NDF: 30.2/35

In: 2313.775+/-549.128 χ^2/NDF:49.2/38

Out: 2591.561+/-530.038 χ^2/NDF:43.8/44

All: 2457.580+/-381.364 χ^2/NDF: 93.2/83

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



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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

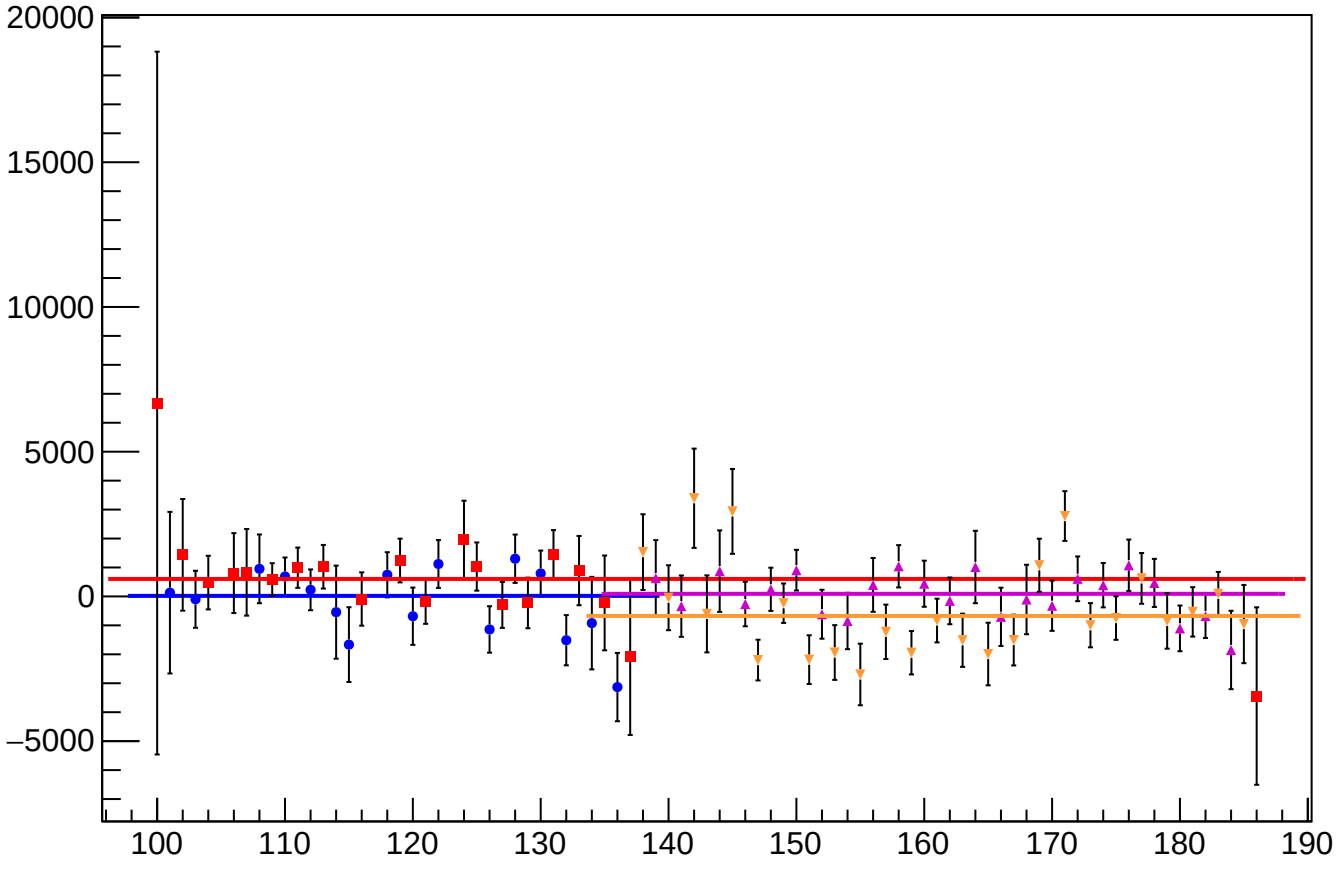
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.362+/-0.520 χ^2/NDF: 897968.3/35

In: 2757.123+/-0.388 χ^2/NDF:755133.6/38

Out: 2756.049+/-0.375 χ^2/NDF:160541.4/44

All: 2756.567+/-0.270 χ^2/NDF: 915679.0/83



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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

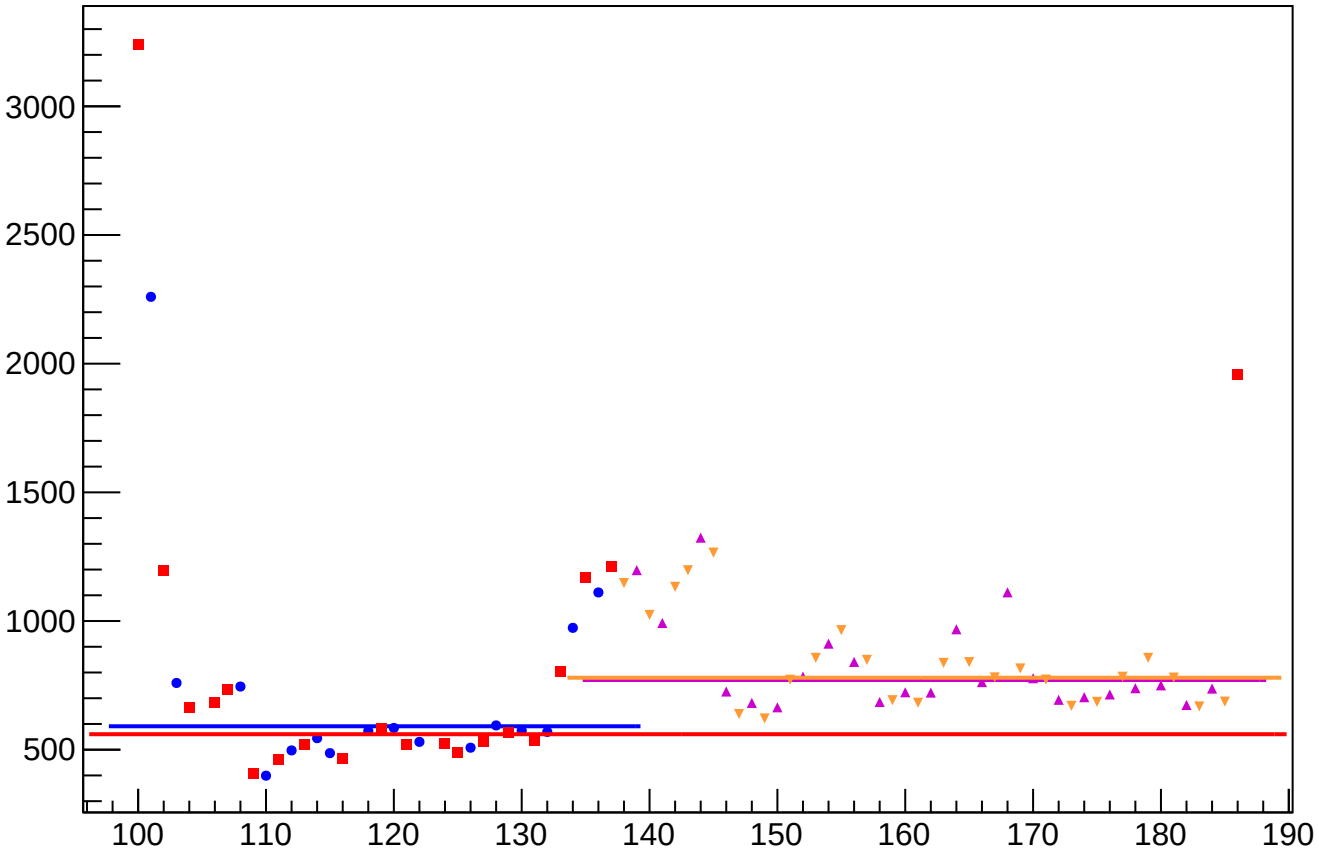
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 335.111+/-158.302 χ^2/NDF: 37.0/35

In: 62.646+/-144.268 χ^2/NDF:37.6/38

Out: -143.905+/-138.667 χ^2/NDF:89.8/44

All: -44.716+/-99.974 χ^2/NDF: 128.5/83



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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: 574.364+/-0.112 χ^2/NDF: 3106022.0/35

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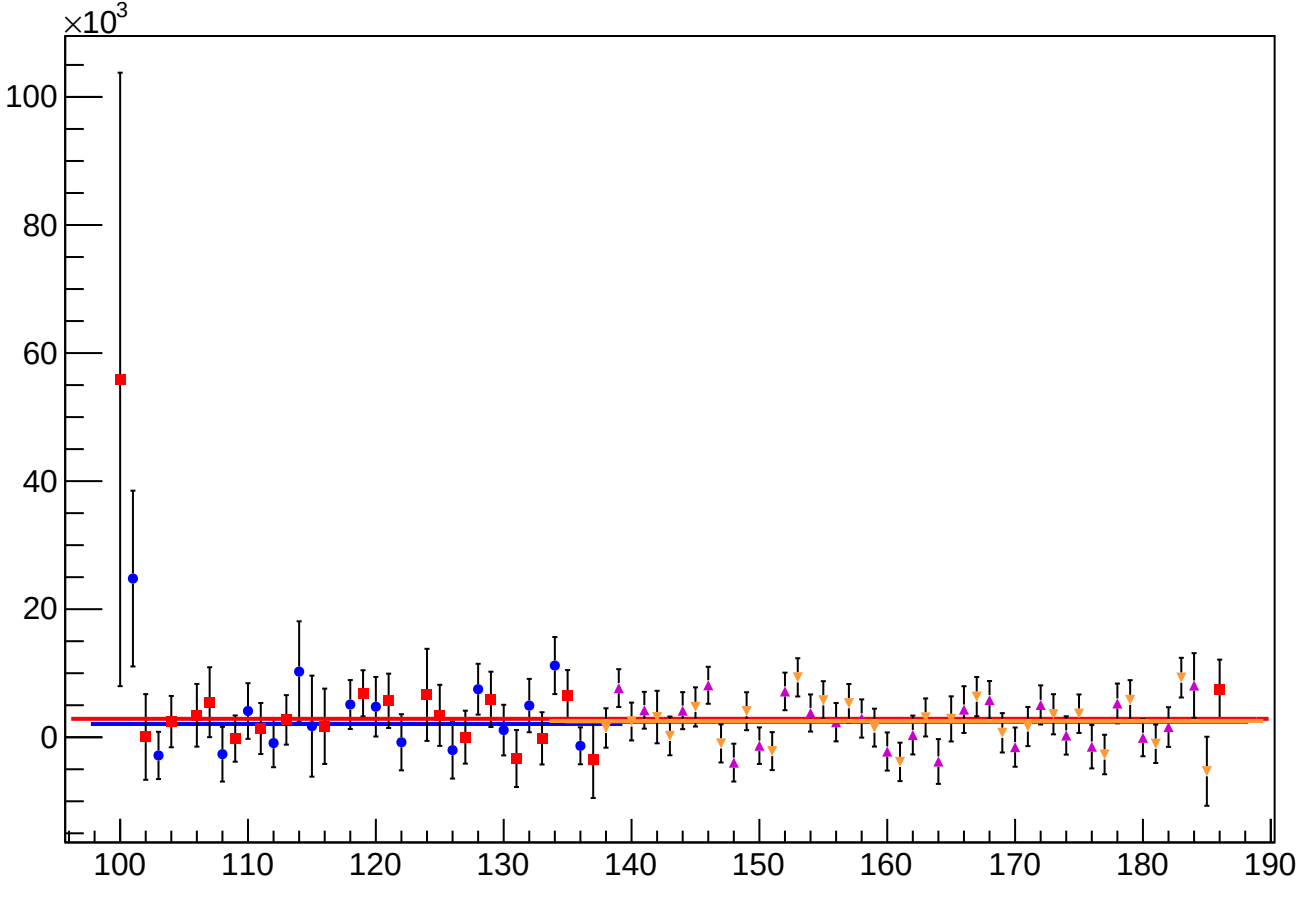
Out: 688.702+/-0.098 χ^2/NDF:3980953.9/44

All: 695.165+/-0.071 χ^2/NDF: 7365840.1/83

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

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

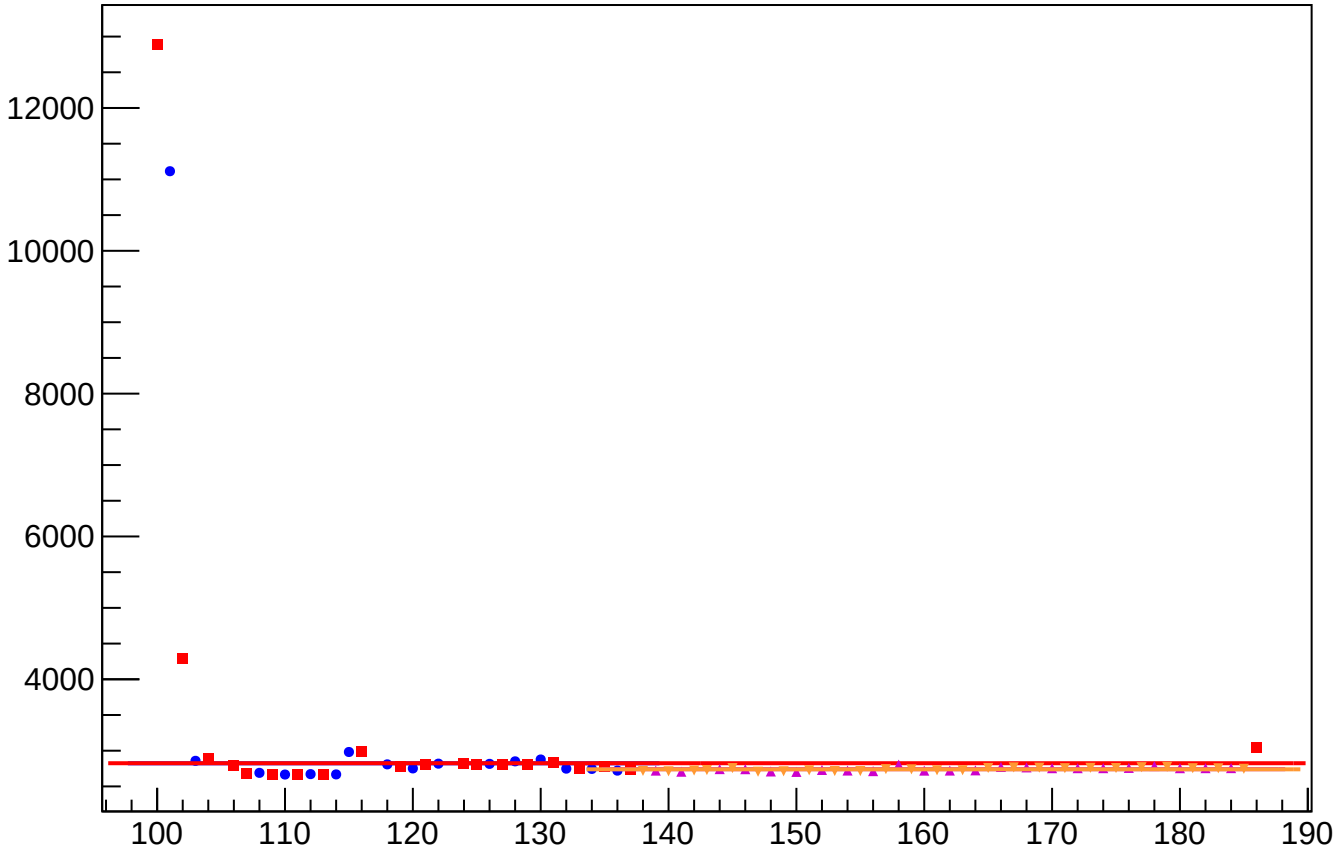
Right: 2497.007+/-742.530 χ^2/NDF: 29.1/35

In: 2320.197+/-550.266 χ^2/NDF:49.8/38

Out: 2635.058+/-531.893 χ^2/NDF:42.9/44

All: 2482.971+/-382.436 χ^2/NDF: 92.8/83

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

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

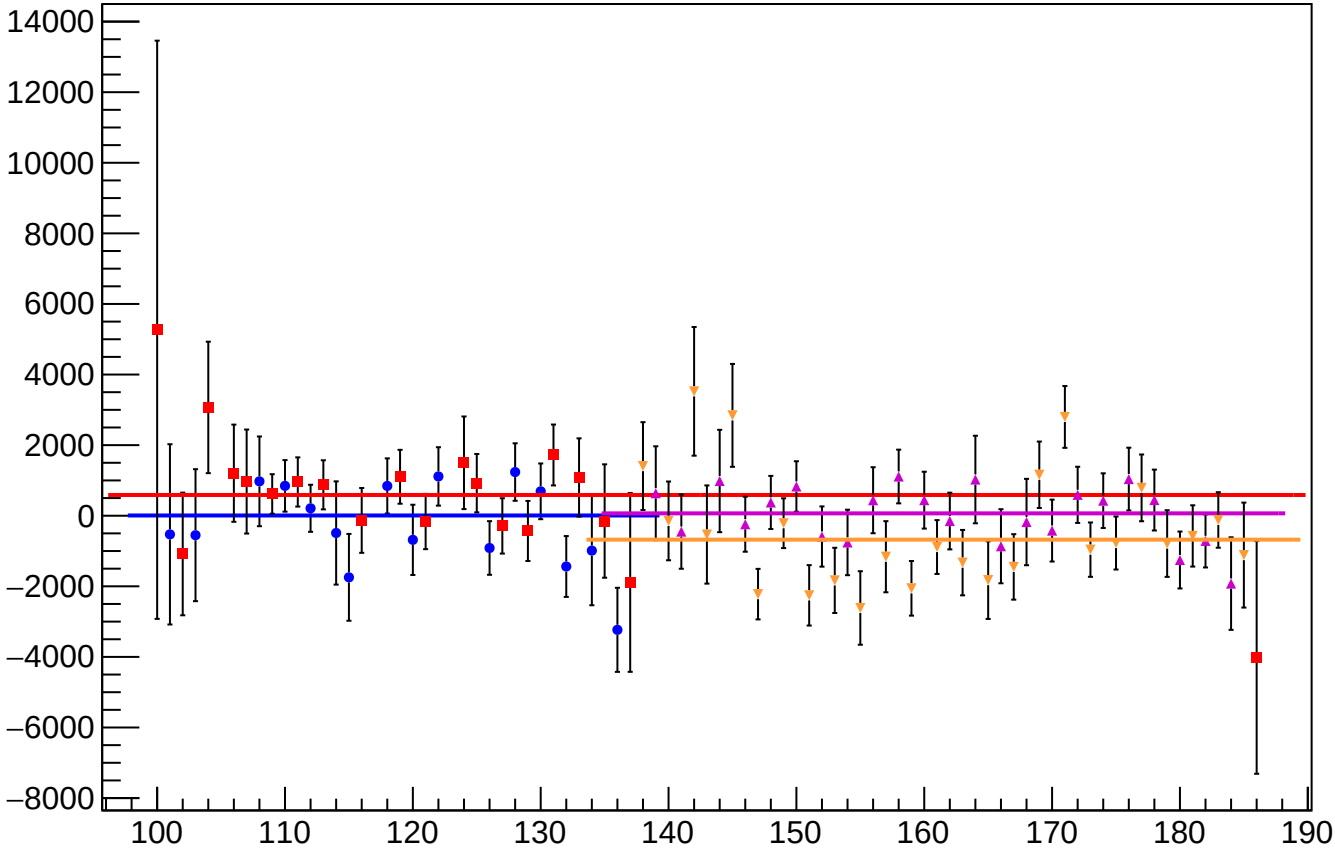
Right: 2824.080+/-0.525 χ^2/NDF: 948969.0/35

In: 2762.804+/-0.389 χ^2/NDF:755863.1/38

Out: 2762.289+/-0.376 χ^2/NDF:217507.2/44

All: 2762.538+/-0.270 χ^2/NDF: 973371.3/83

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

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

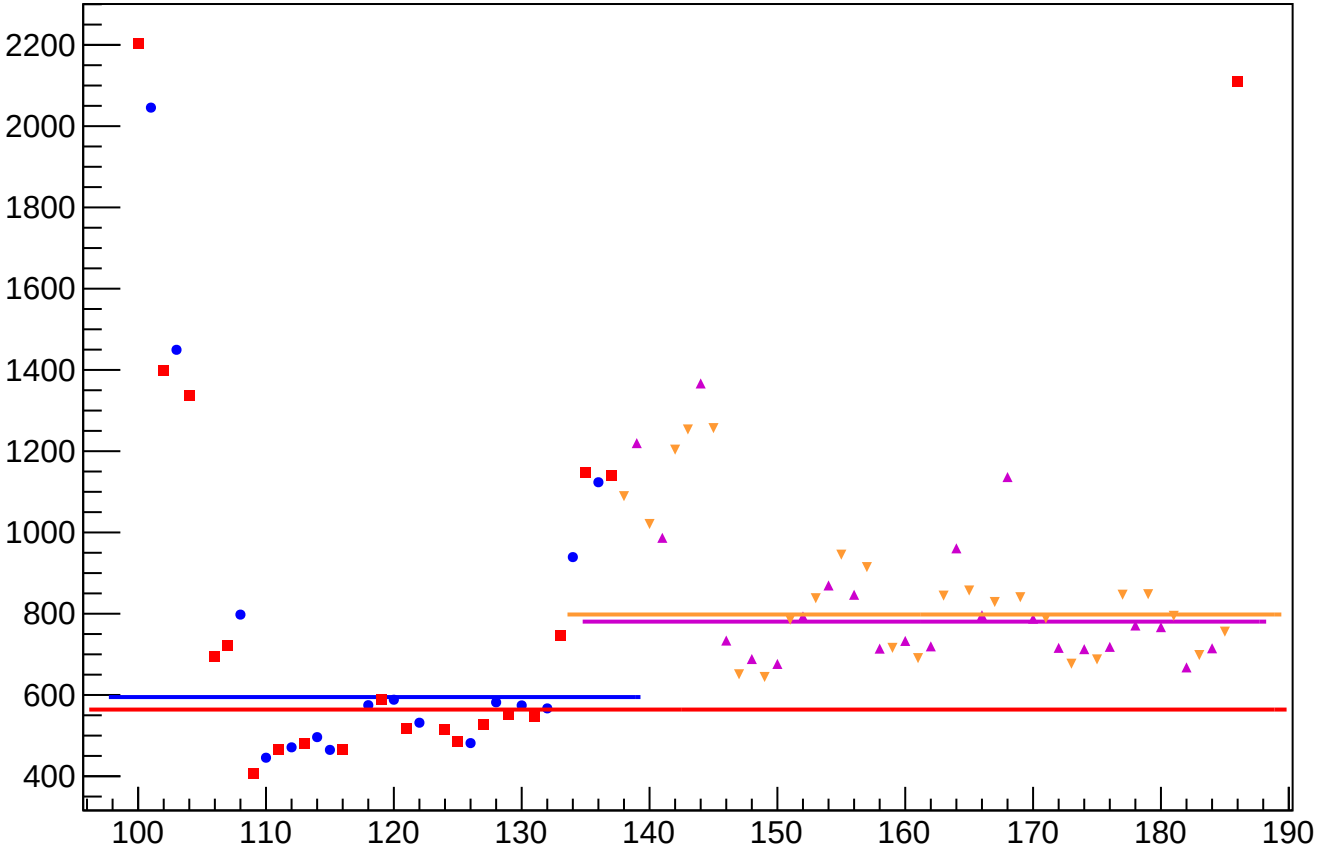
Right: 323.952+/-160.035 χ^2/NDF: 40.2/35

In: 44.386+/-146.151 χ^2/NDF:38.7/38

Out: -144.318+/-140.682 χ^2/NDF:90.1/44

All: -53.562+/-101.355 χ^2/NDF: 129.6/83

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

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

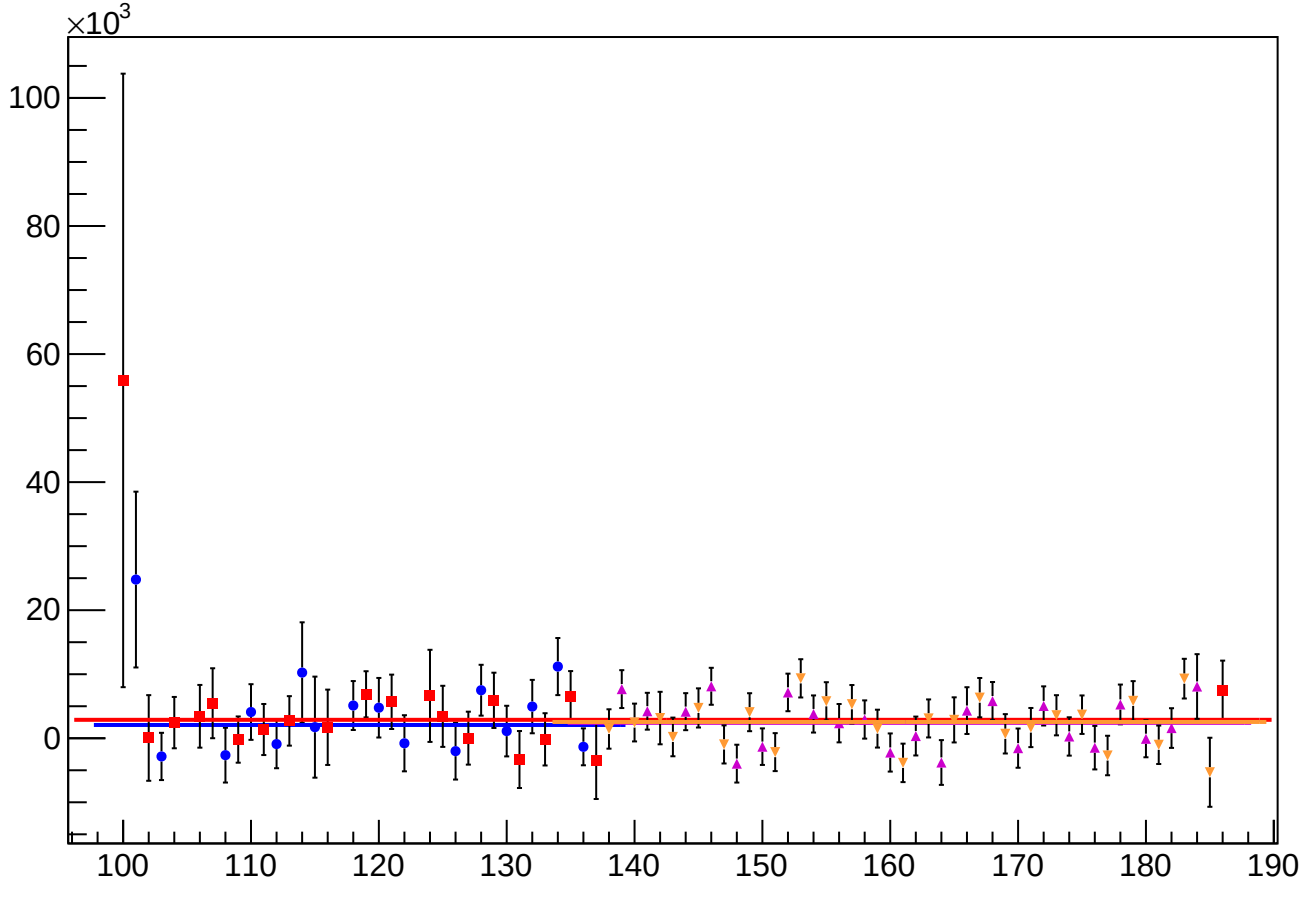
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 578.068+/-0.113 χ^2/NDF: 3943430.9/35

In: 710.190+/-0.103 χ^2/NDF:3677028.8/38

Out: 699.402+/-0.099 χ^2/NDF:4590213.1/44

All: 704.591+/-0.072 χ^2/NDF: 8272897.5/83



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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

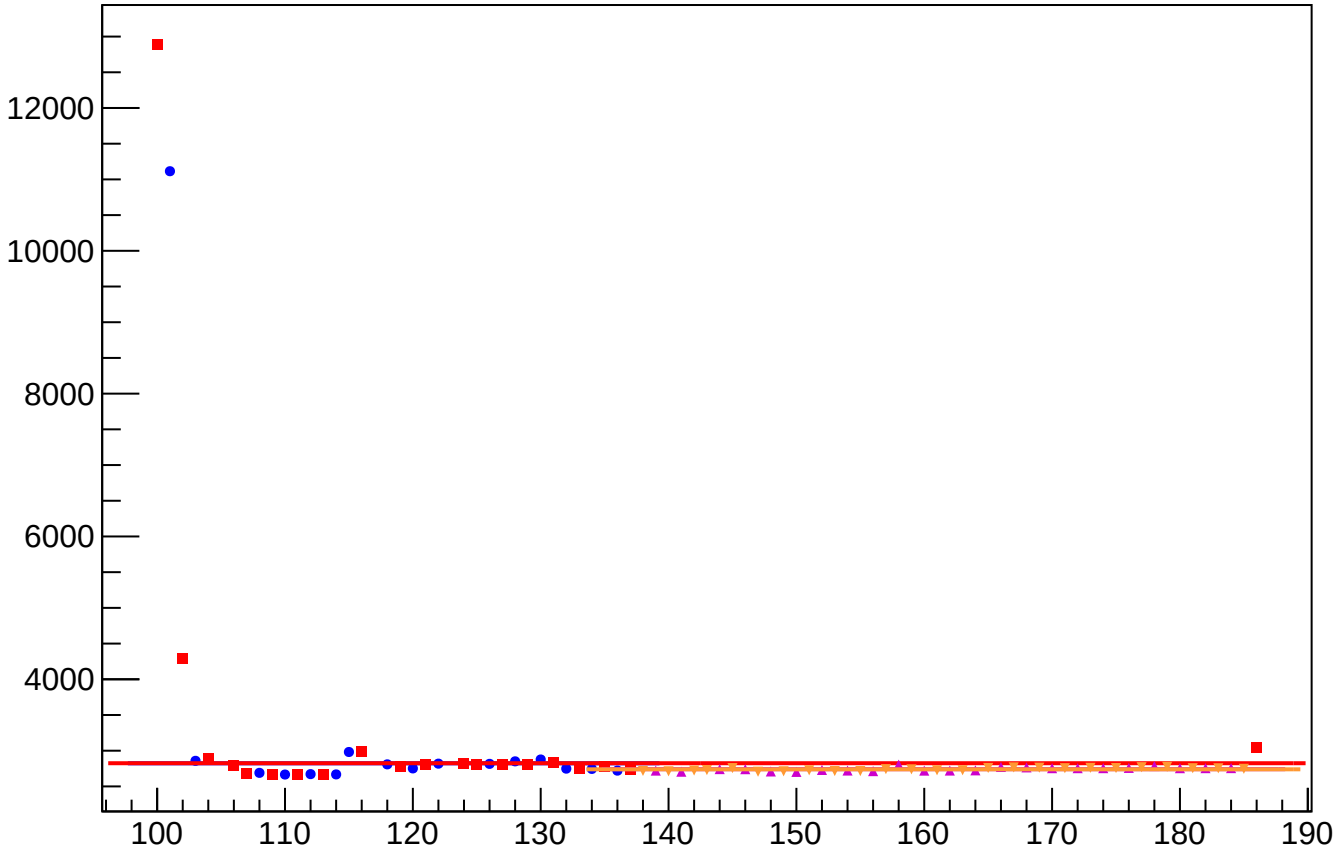
Right: 2497.005+/-742.530 χ^2/NDF: 29.1/35

In: 2320.196+/-550.266 χ^2/NDF:49.8/38

Out: 2635.058+/-531.893 χ^2/NDF:42.9/44

All: 2482.971+/-382.436 χ^2/NDF: 92.8/83

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



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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

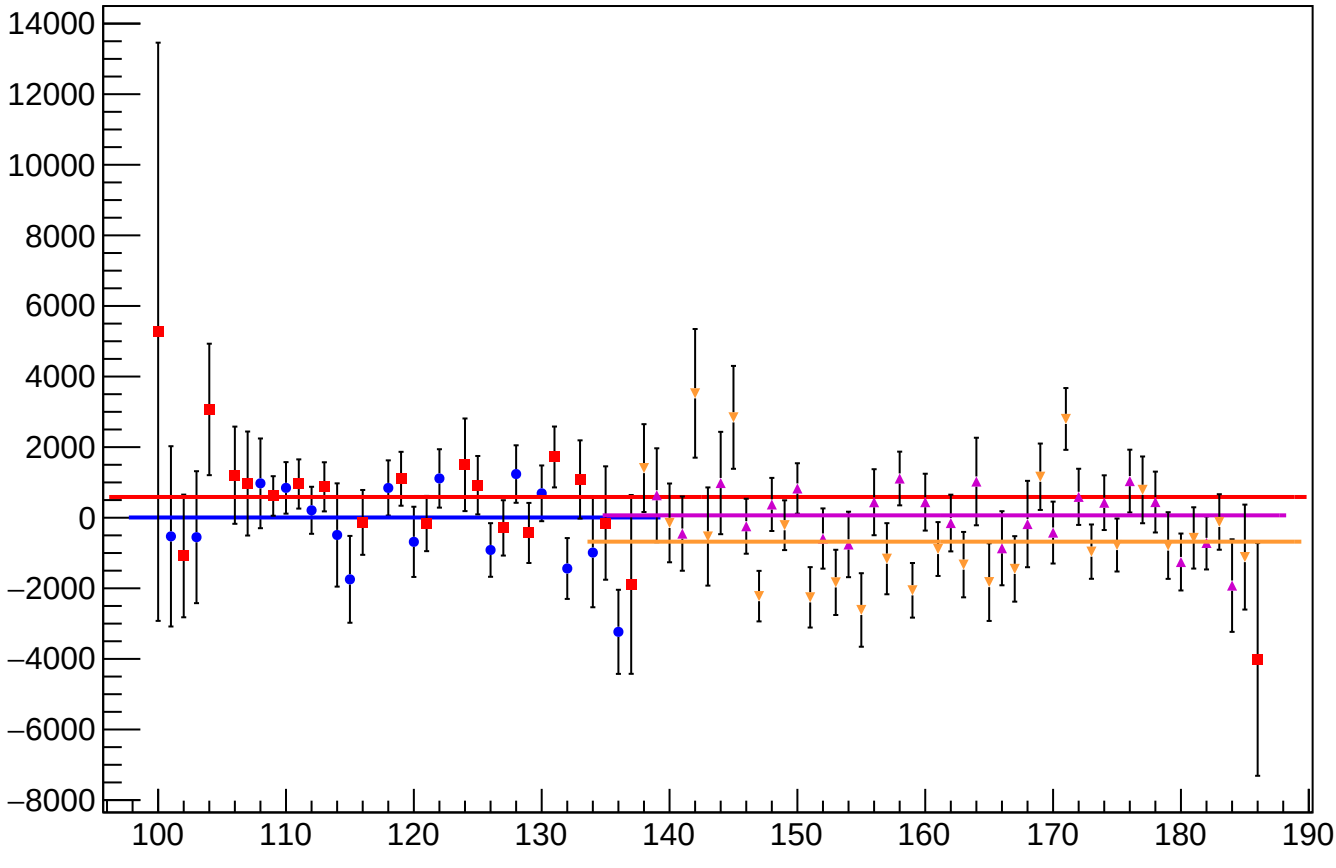
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2824.080+/-0.525 χ^2/NDF: 948968.8/35

In: 2762.804+/-0.389 χ^2/NDF:755863.1/38

Out: 2762.289+/-0.376 χ^2/NDF:217507.0/44

All: 2762.537+/-0.270 χ^2/NDF: 973371.0/83



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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

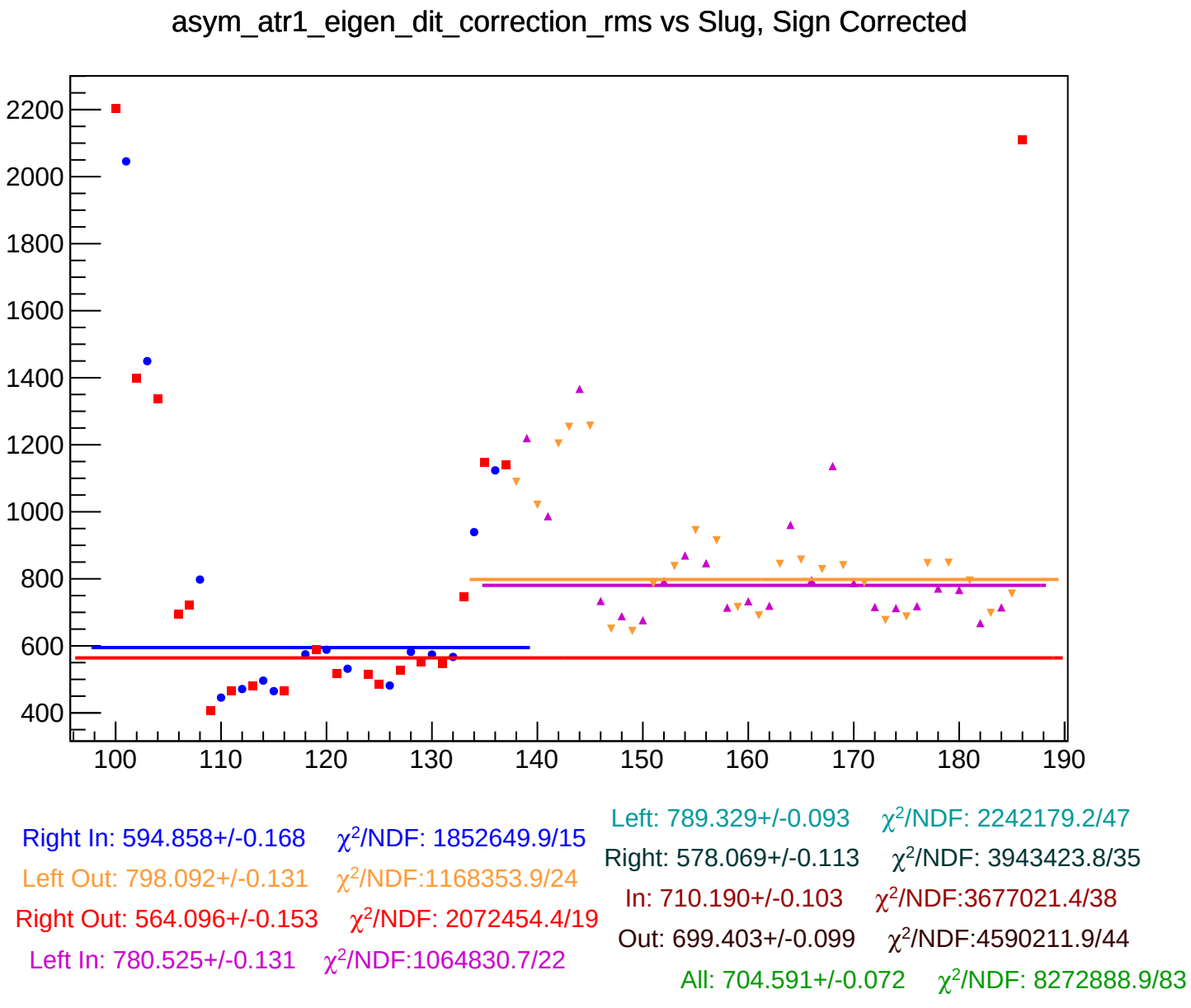
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 323.952+/-160.035 χ^2/NDF: 40.2/35

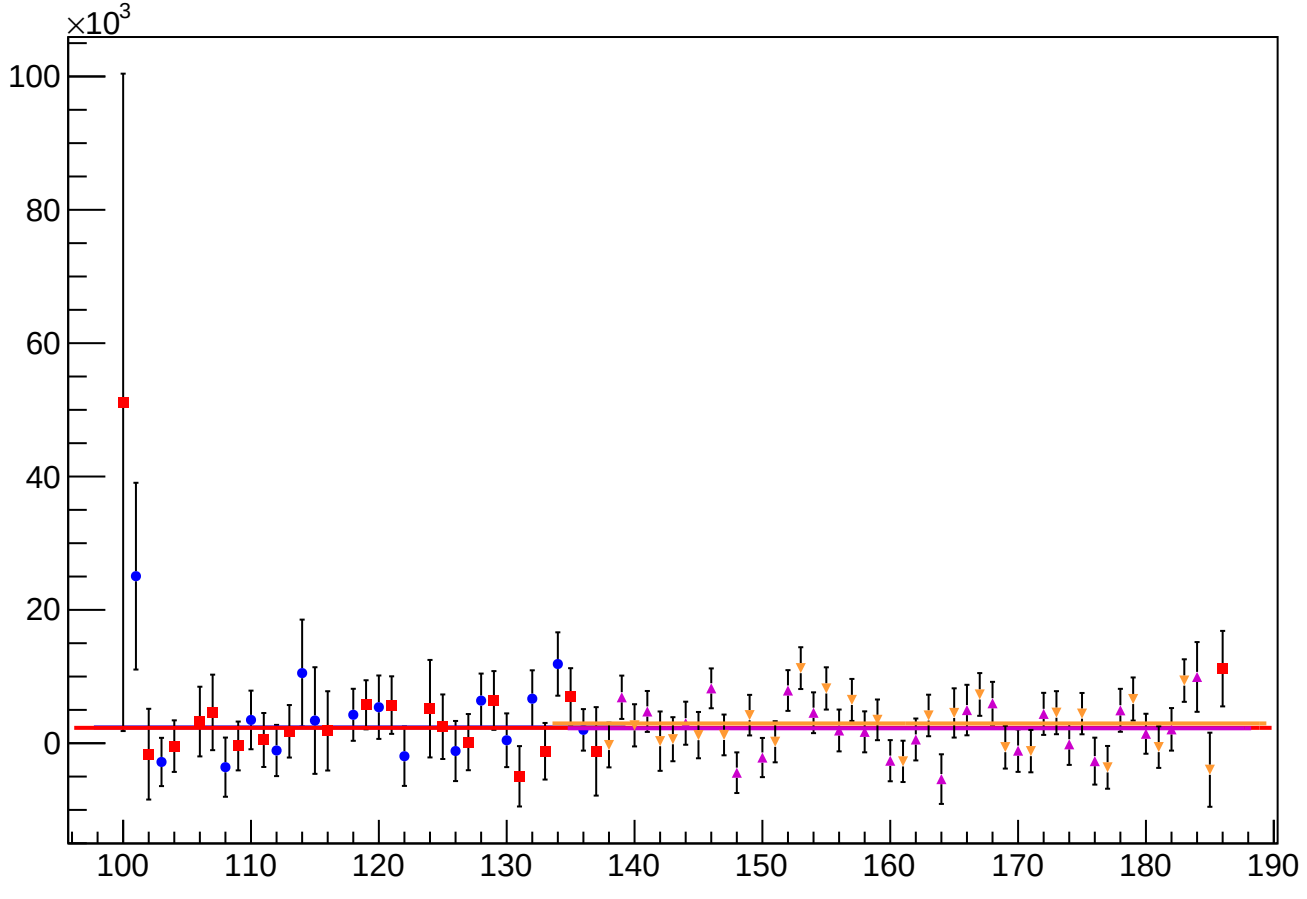
In: 44.386+/-146.151 χ^2/NDF:38.7/38

Out: -144.318+/-140.682 χ^2/NDF:90.1/44

All: -53.562+/-101.355 χ^2/NDF: 129.6/83


asym_atr1_eigen_dit_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: 594.858+/-0.168 χ²/NDF: 1852649.9/15
Left Out: 798.092+/-0.131 χ²/NDF:1168353.9/24
Right Out: 564.096+/-0.153 χ²/NDF: 2072454.4/19
Left In: 780.525+/-0.131 χ²/NDF:1064830.7/22
Left: 789.329+/-0.093 χ²/NDF: 2242179.2/47
Right: 578.069+/-0.113 χ²/NDF: 3943423.8/35
In: 710.190+/-0.103 χ²/NDF:3677021.4/38
Out: 699.403+/-0.099 χ²/NDF:4590211.9/44
All: 704.591+/-0.072 χ²/NDF: 8272888.9/83

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

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

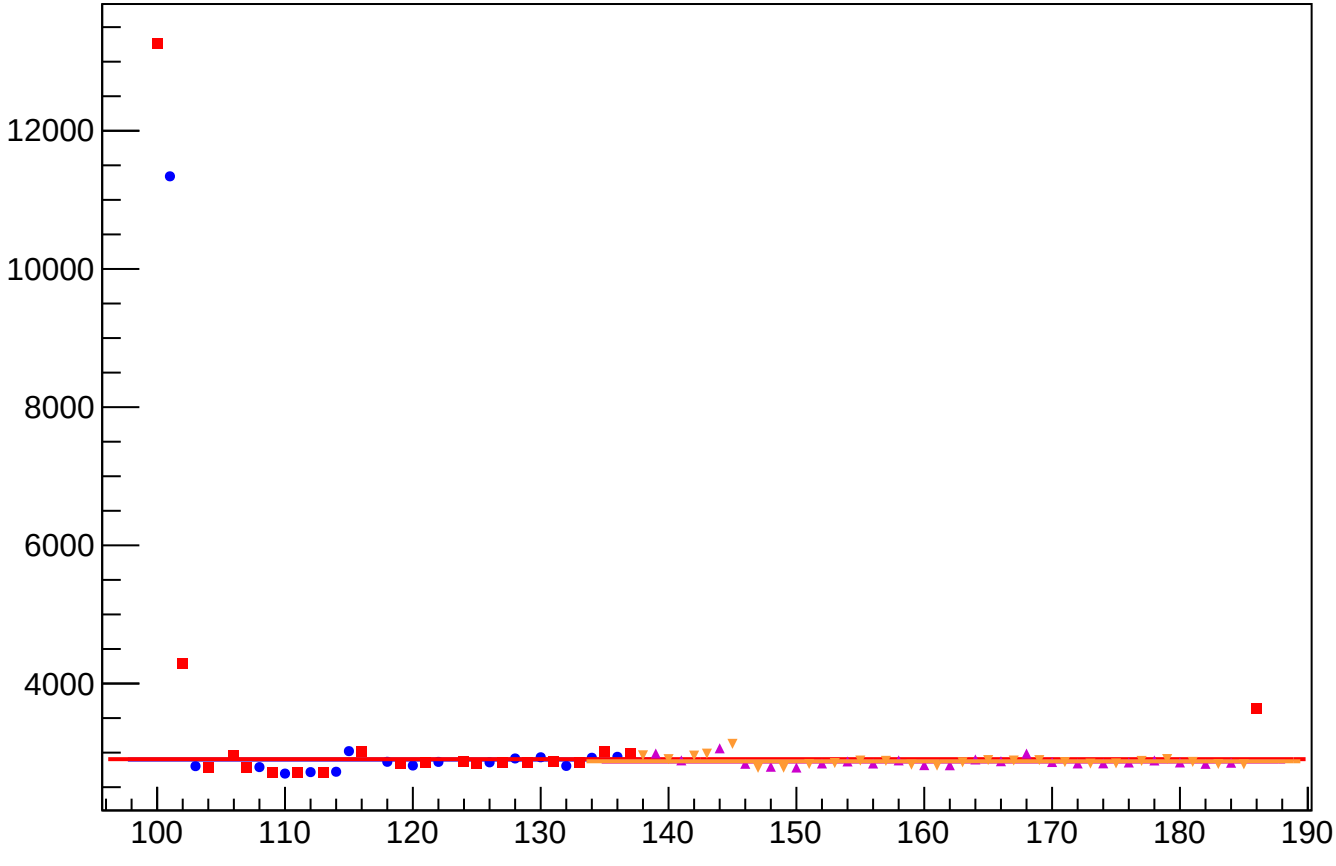
Right: 2335.862+/-763.997 χ^2/NDF: 29.7/35

In: 2272.324+/-573.285 χ^2/NDF:50.7/38

Out: 2786.201+/-555.629 χ^2/NDF:48.8/44

All: 2537.298+/-398.985 χ^2/NDF: 99.9/83

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

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

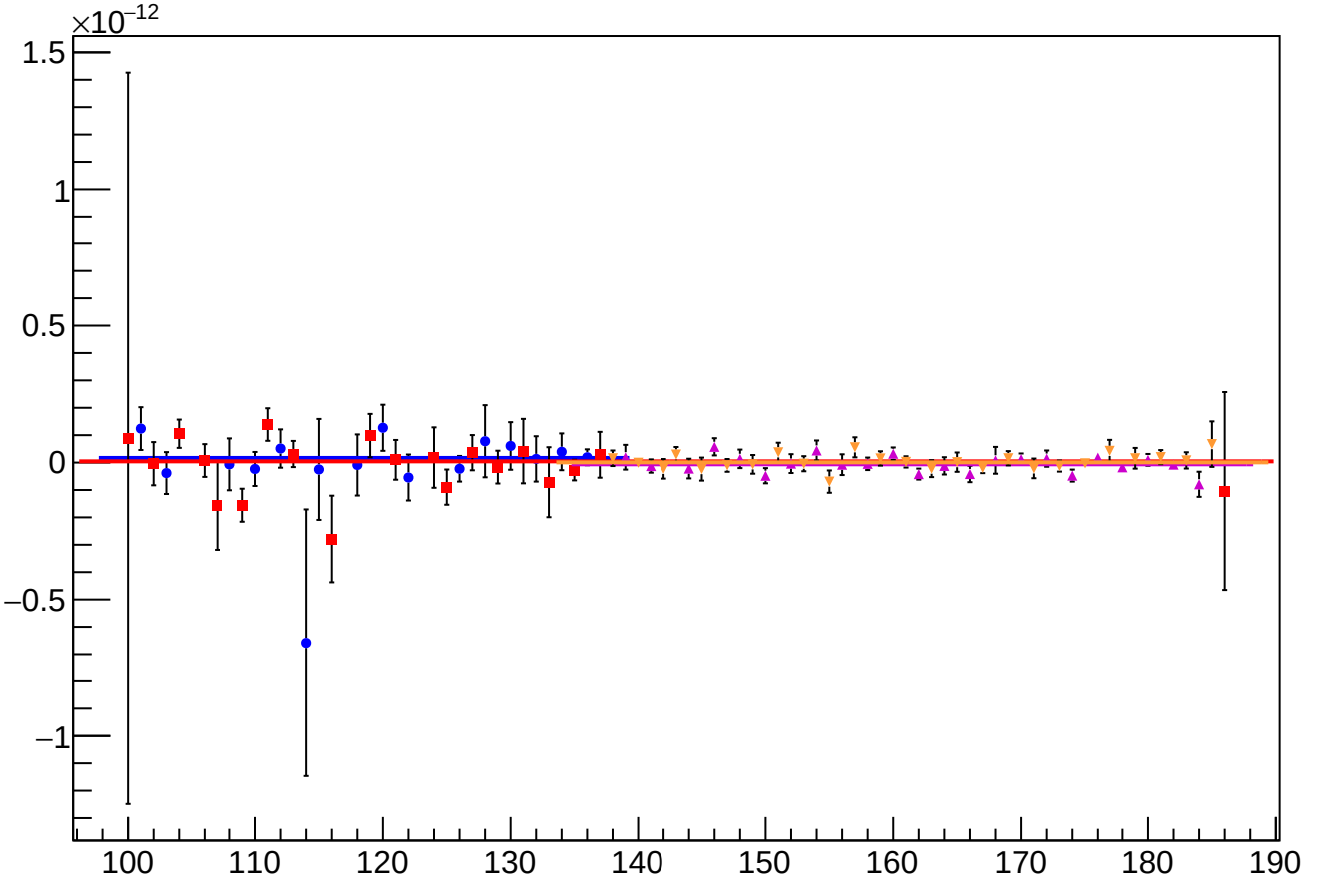
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2902.764+/-0.540 χ^2/NDF: 969975.5/35

In: 2878.123+/-0.405 χ^2/NDF:760558.4/38

Out: 2883.373+/-0.393 χ^2/NDF:251125.8/44

All: 2880.830+/-0.282 χ^2/NDF: 1011770.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

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

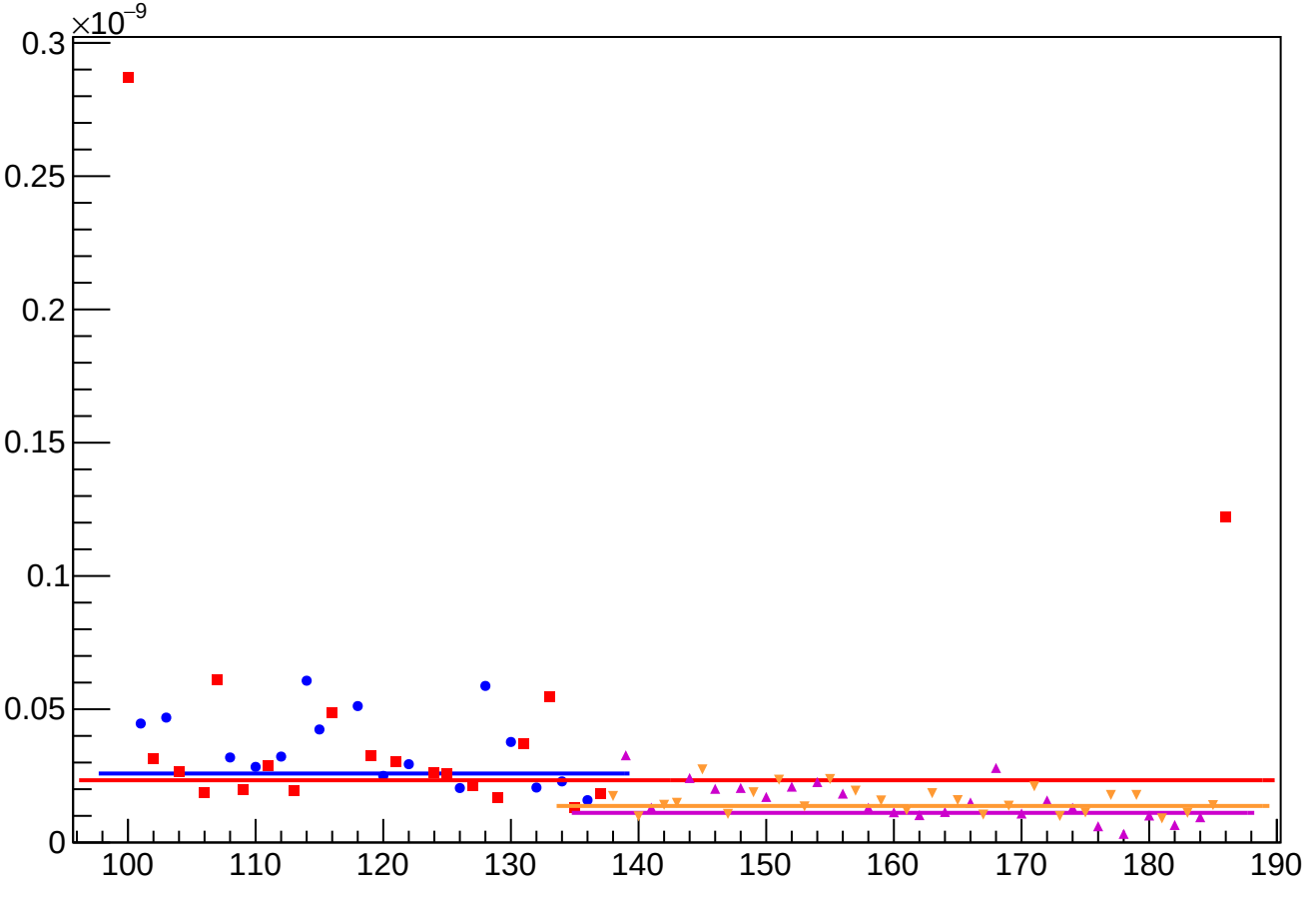
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

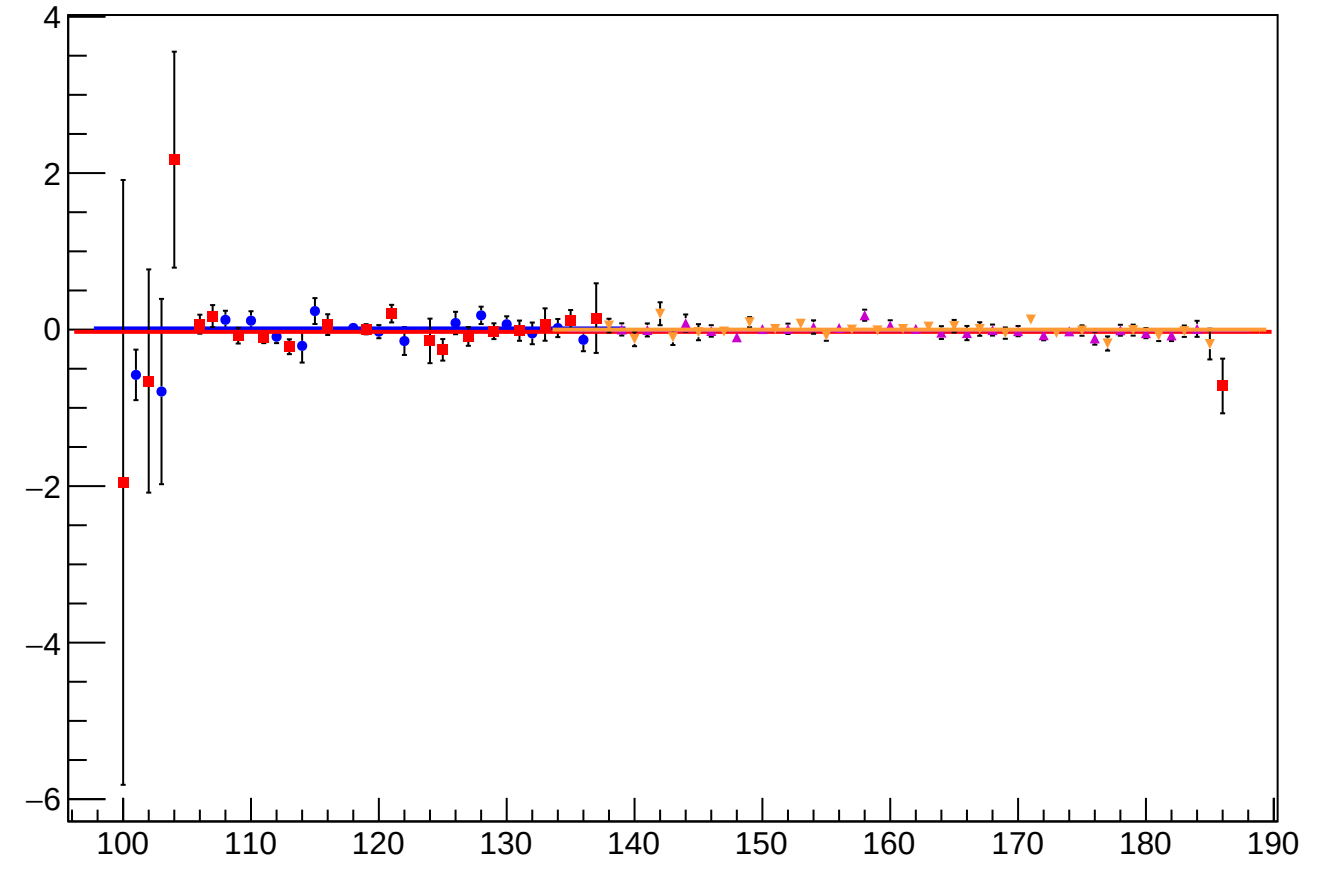
Right: 0.000+/-0.000 χ^2/NDF: 35.0/35

In: -0.000+/-0.000 χ^2/NDF:38.6/38

Out: 0.000+/-0.000 χ^2/NDF:40.3/44

All: -0.000+/-0.000 χ^2/NDF: 79.5/83


asym_atr1_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: 865479.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 838497.6/19
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 1727993.6/35
In: 0.000+/-0.000 χ²/NDF:5438194.7/38
Out: 0.000+/-0.000 χ²/NDF:2724869.9/44
All: 0.000+/-0.000 χ²/NDF: 8401948.9/83



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

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

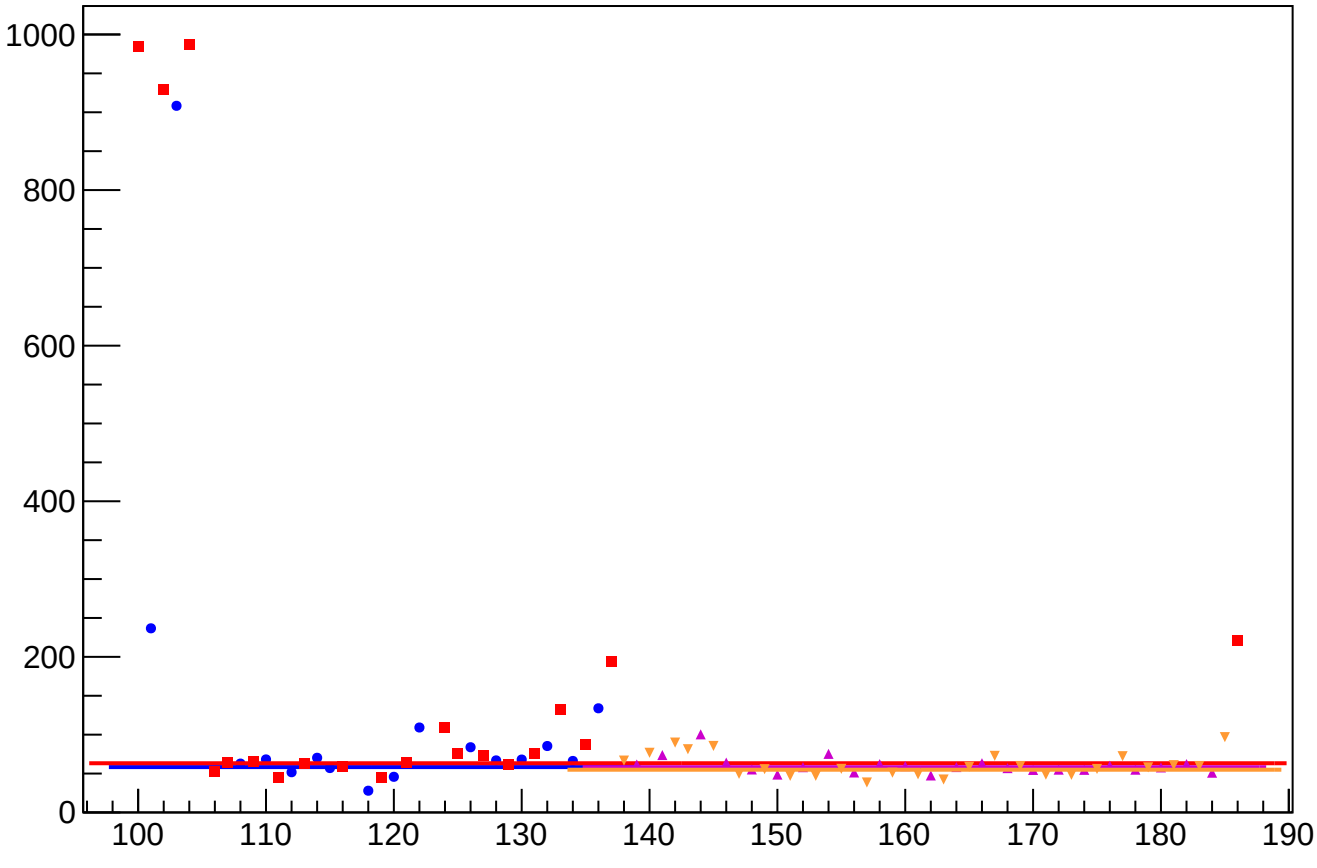
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.020 χ^2/NDF: 41.0/35

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.3/83



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

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

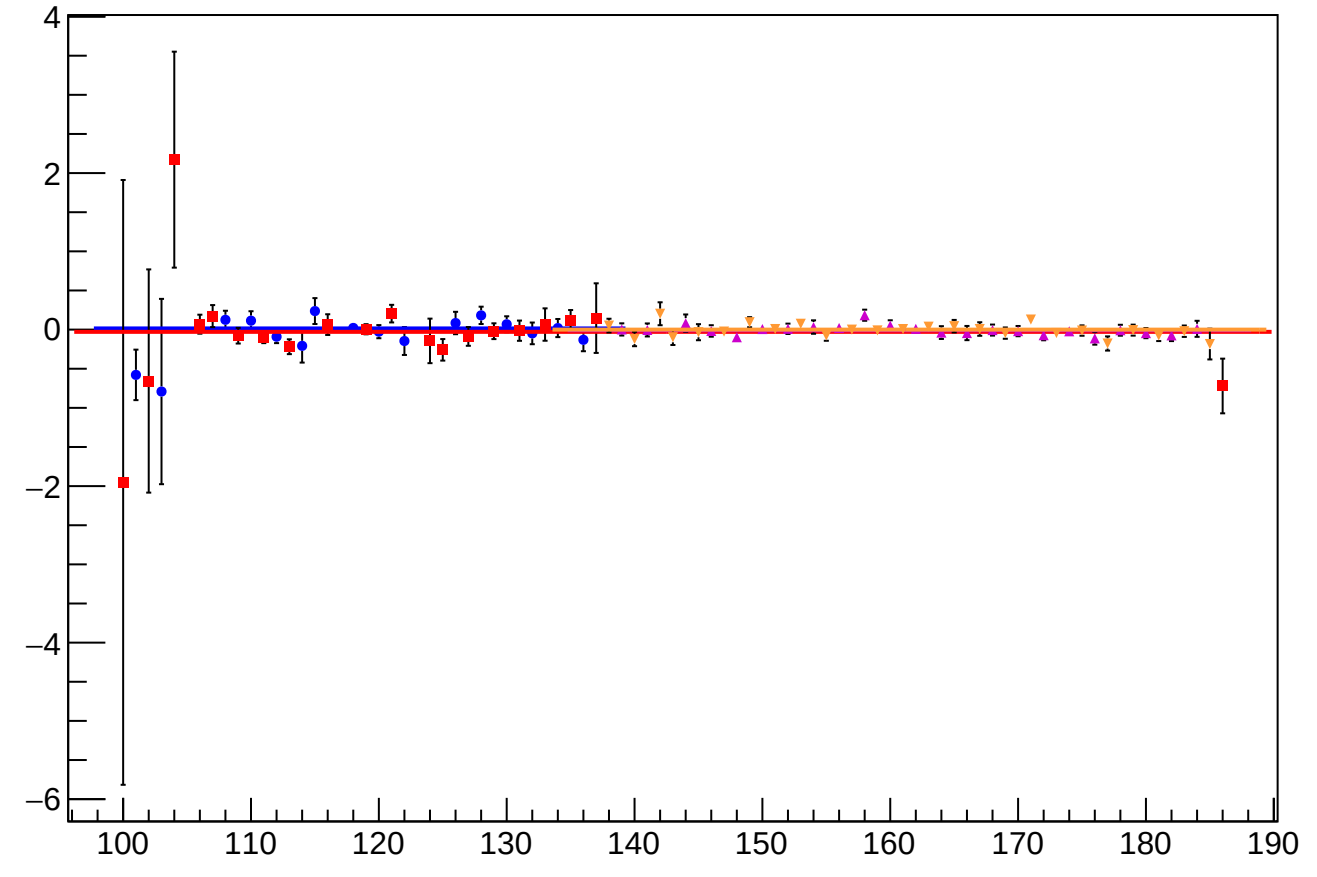
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 60.772+/-0.014 χ^2/NDF: 6329487.8/35

In: 58.177+/-0.009 χ^2/NDF:3917902.5/38

Out: 56.619+/-0.009 χ^2/NDF:4476764.8/44

All: 57.367+/-0.006 χ^2/NDF: 8409389.0/83



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

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

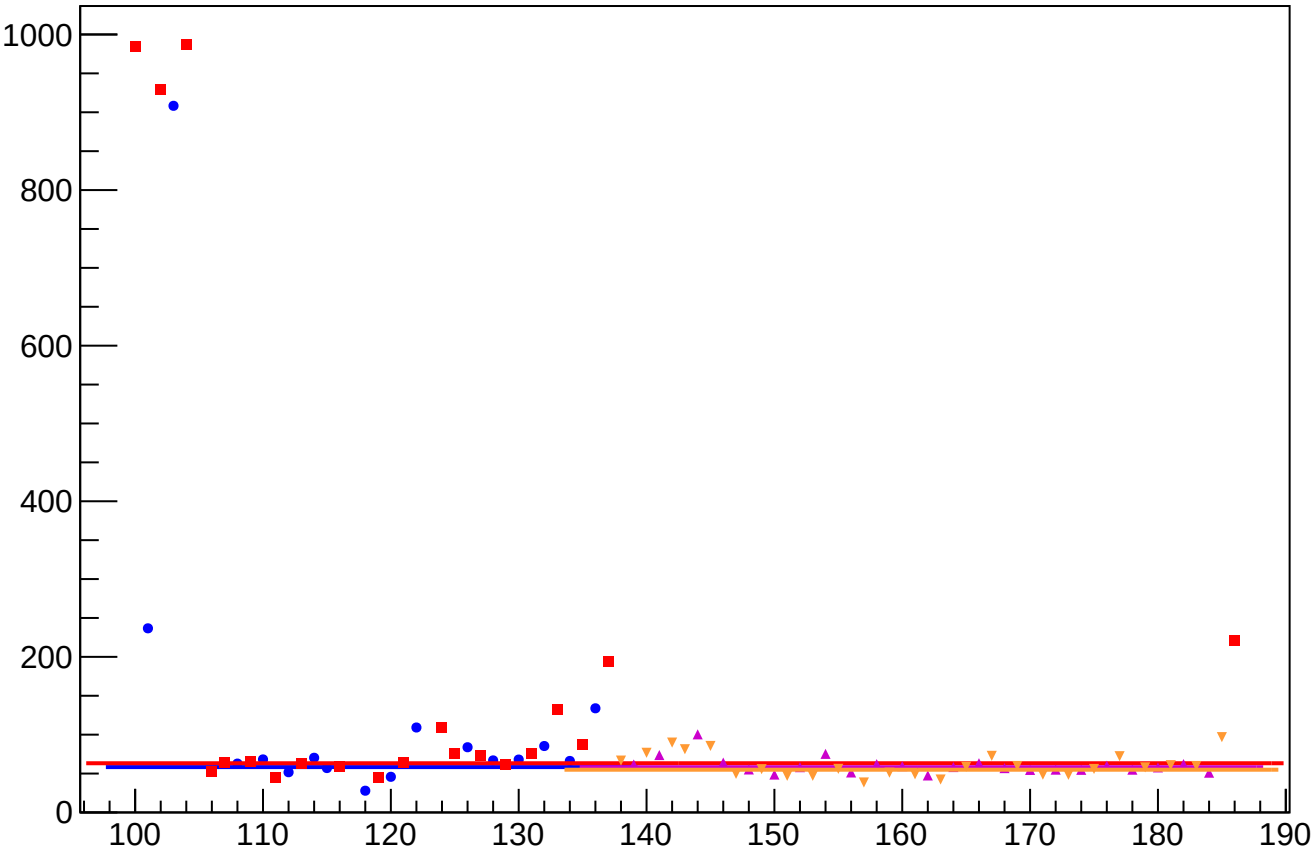
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.020 χ^2/NDF: 41.0/35

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.3/83



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

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

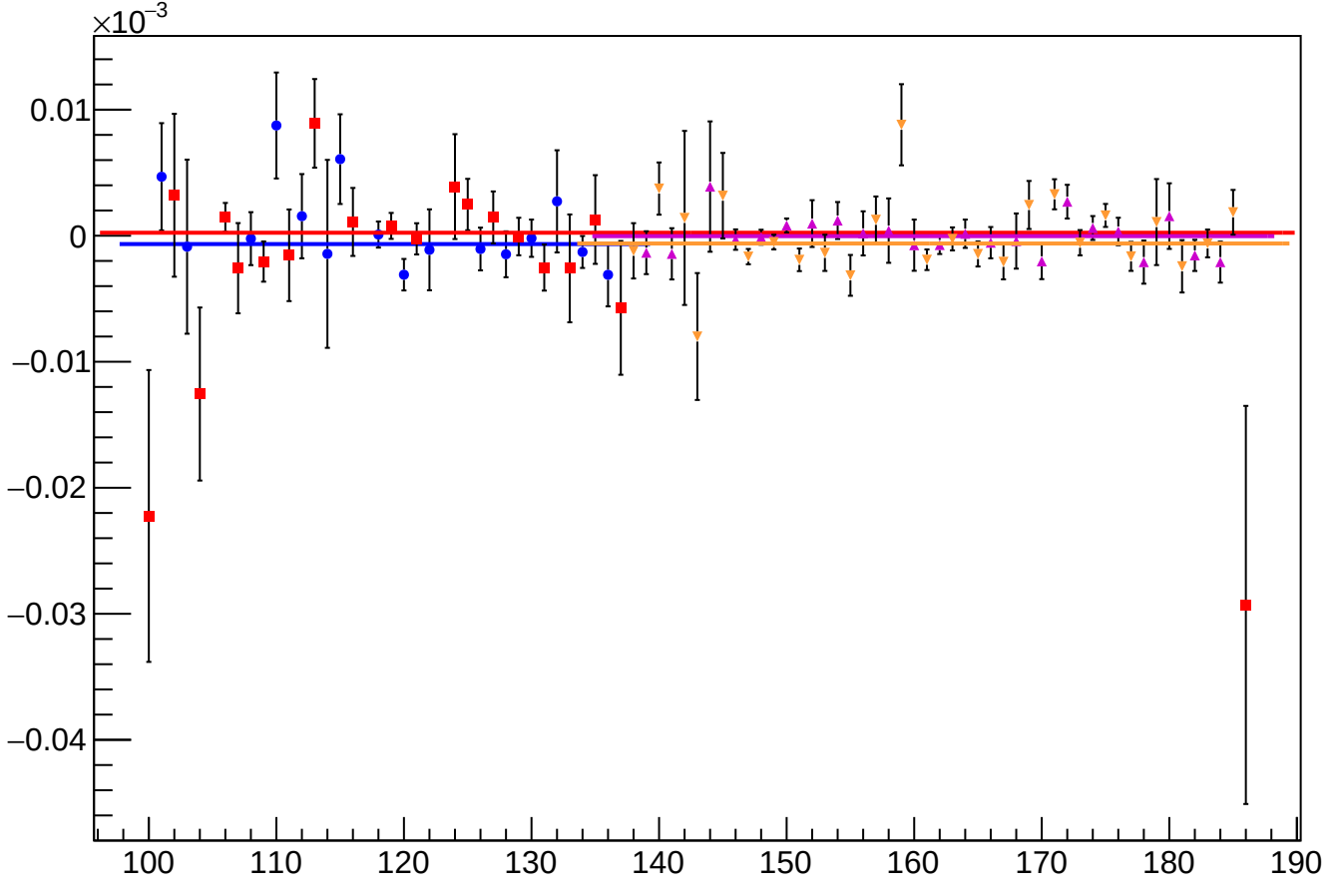
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 60.772+/-0.014 χ^2/NDF: 6329487.8/35

In: 58.177+/-0.009 χ^2/NDF:3917902.5/38

Out: 56.619+/-0.009 χ^2/NDF:4476764.8/44

All: 57.367+/-0.006 χ^2/NDF: 8409389.0/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

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

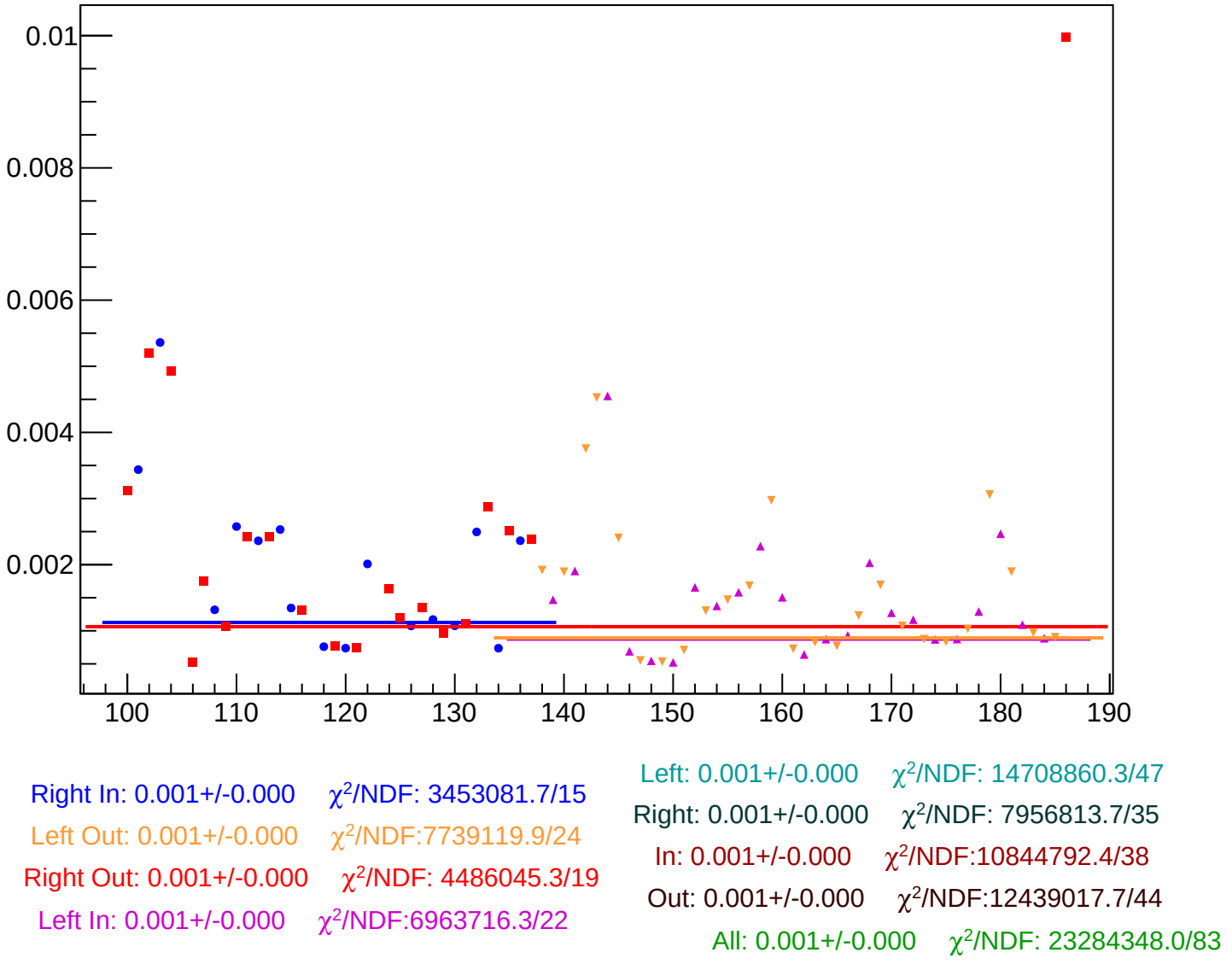
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

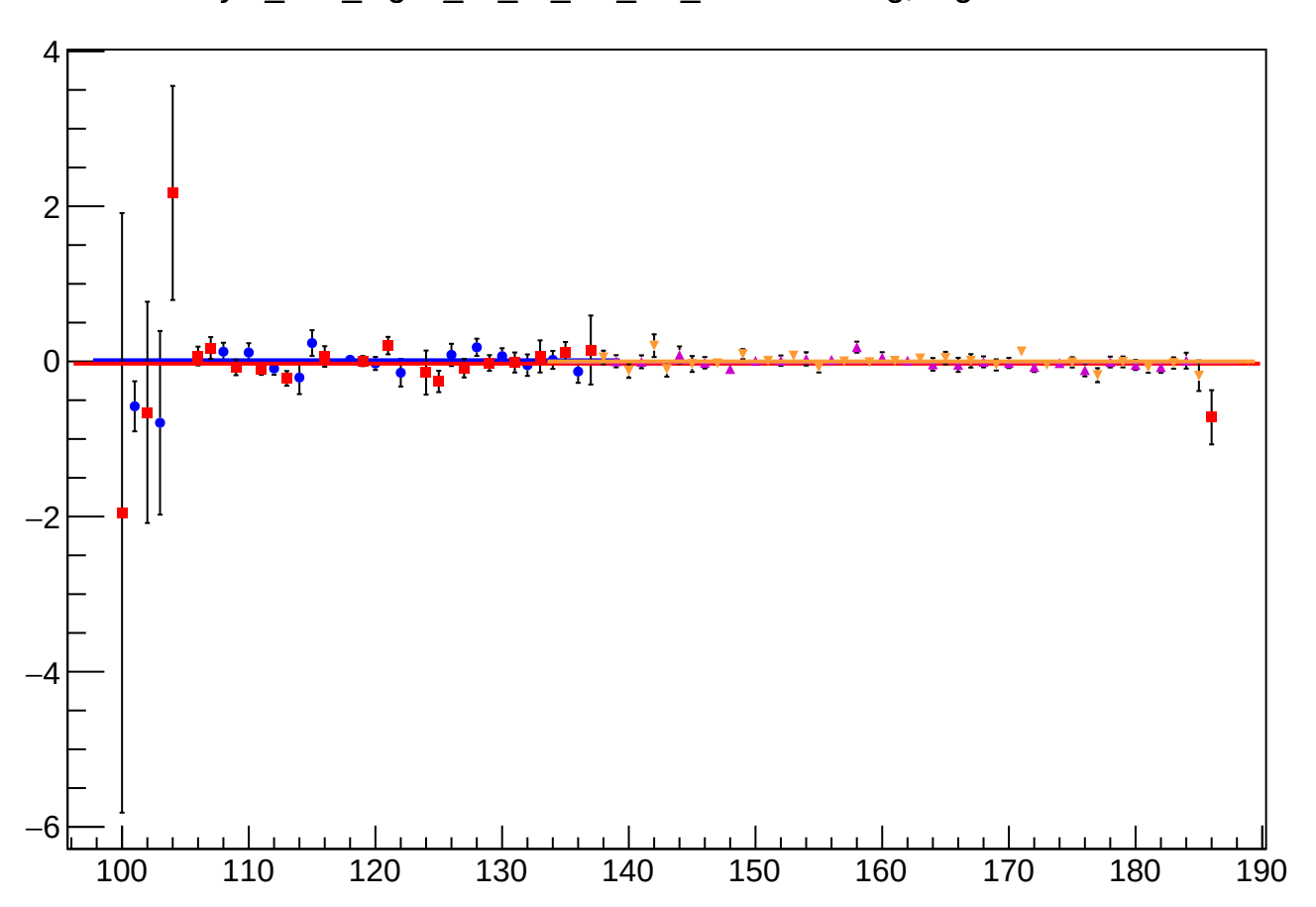
Right: -0.000+/-0.000 χ^2/NDF: 47.1/35

In: -0.000+/-0.000 χ^2/NDF:36.8/38

Out: -0.000+/-0.000 χ^2/NDF:83.5/44

All: -0.000+/-0.000 χ^2/NDF: 121.3/83


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 3453081.7/15
Left Out: 0.001+/-0.000 χ²/NDF:7739119.9/24
Right Out: 0.001+/-0.000 χ²/NDF: 4486045.3/19
Left In: 0.001+/-0.000 χ²/NDF:6963716.3/22
Left: 0.001+/-0.000 χ²/NDF: 14708860.3/47
Right: 0.001+/-0.000 χ²/NDF: 7956813.7/35
In: 0.001+/-0.000 χ²/NDF:10844792.4/38
Out: 0.001+/-0.000 χ²/NDF:12439017.7/44
All: 0.001+/-0.000 χ²/NDF: 23284348.0/83



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

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

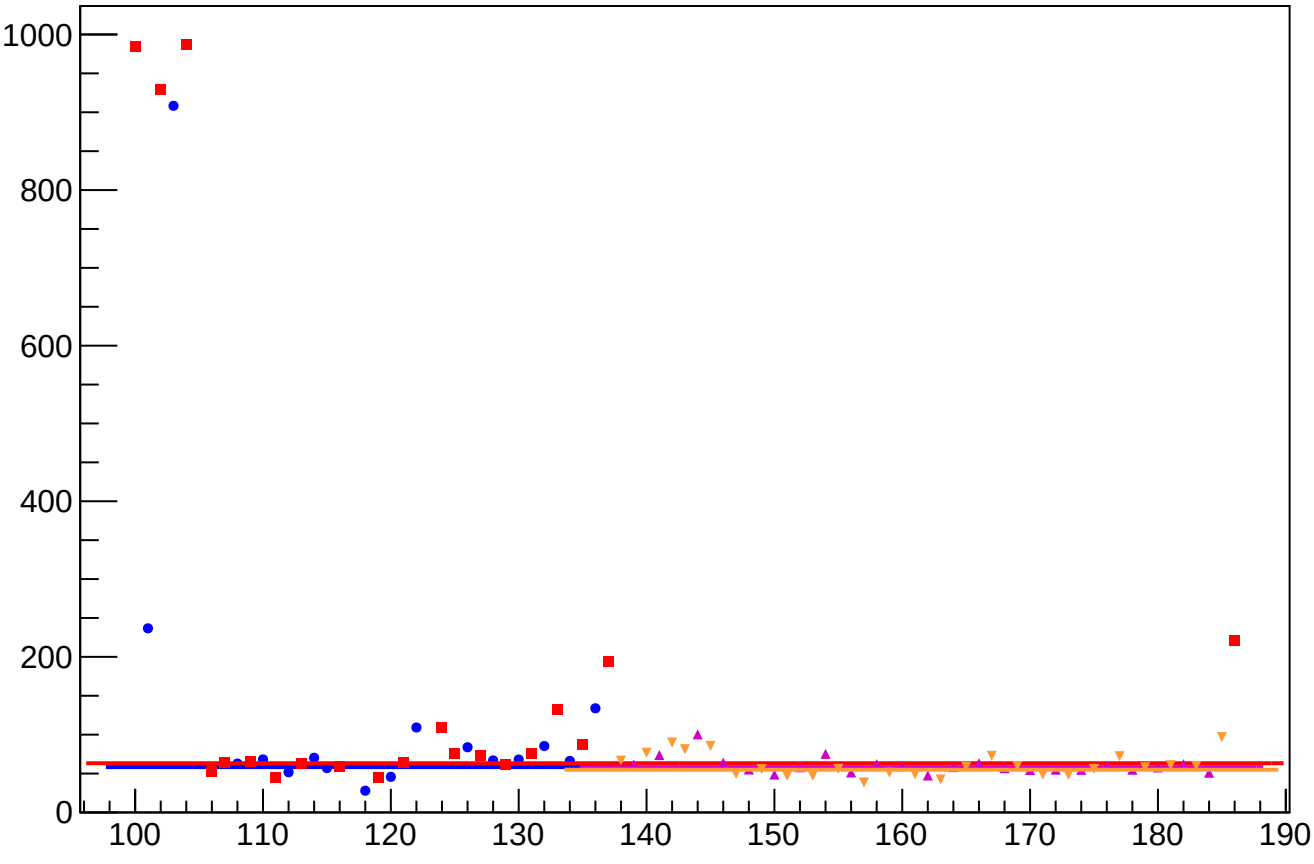
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.020 χ^2/NDF: 41.0/35

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.3/83



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

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

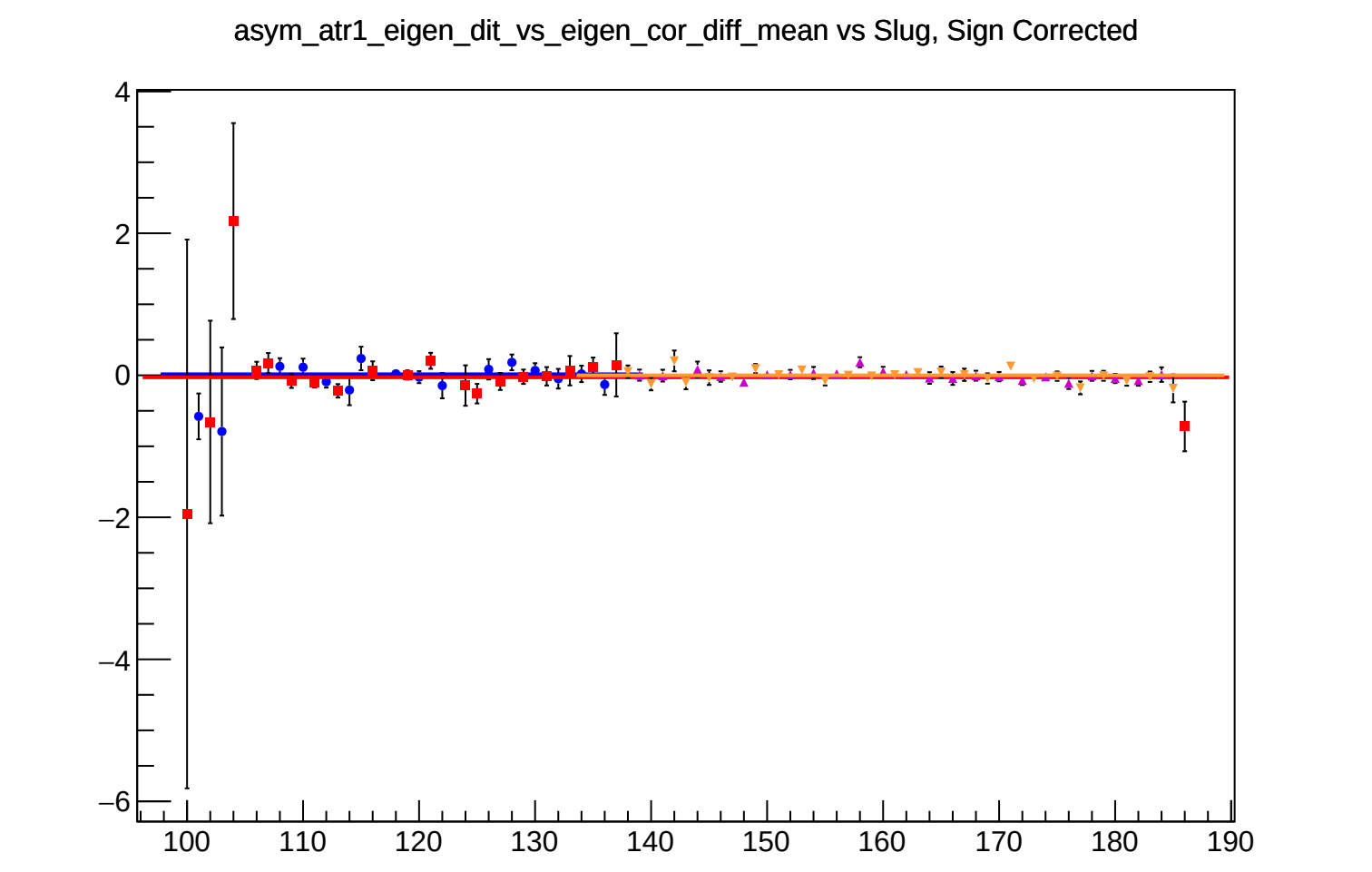
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 60.772+/-0.014 χ^2/NDF: 6329581.7/35

In: 58.176+/-0.009 χ^2/NDF:3918005.3/38

Out: 56.618+/-0.009 χ^2/NDF:4476854.6/44

All: 57.367+/-0.006 χ^2/NDF: 8409585.9/83



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

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

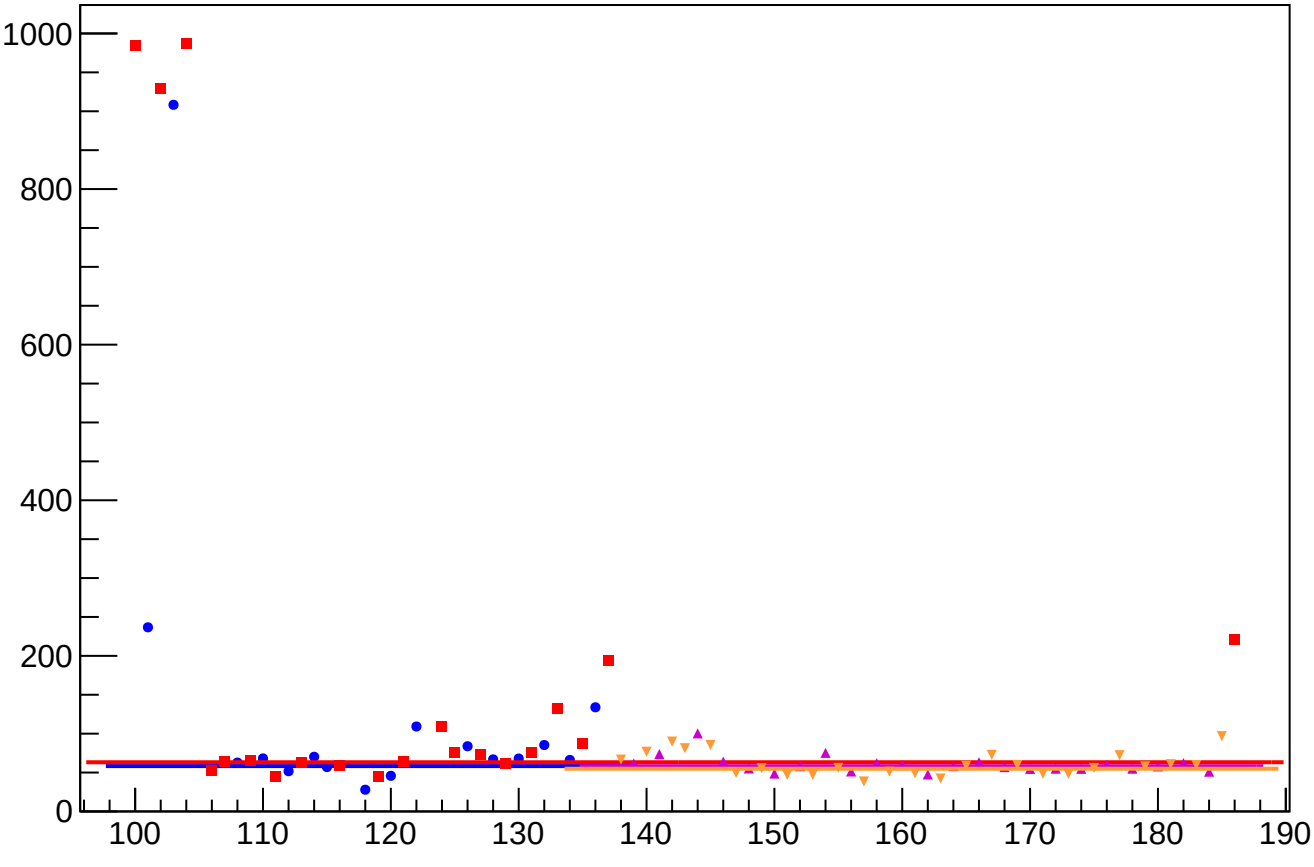
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.020 χ^2/NDF: 41.0/35

In: -0.003+/-0.013 χ^2/NDF:31.1/38

Out: -0.006+/-0.013 χ^2/NDF:48.1/44

All: -0.005+/-0.009 χ^2/NDF: 79.3/83



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

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

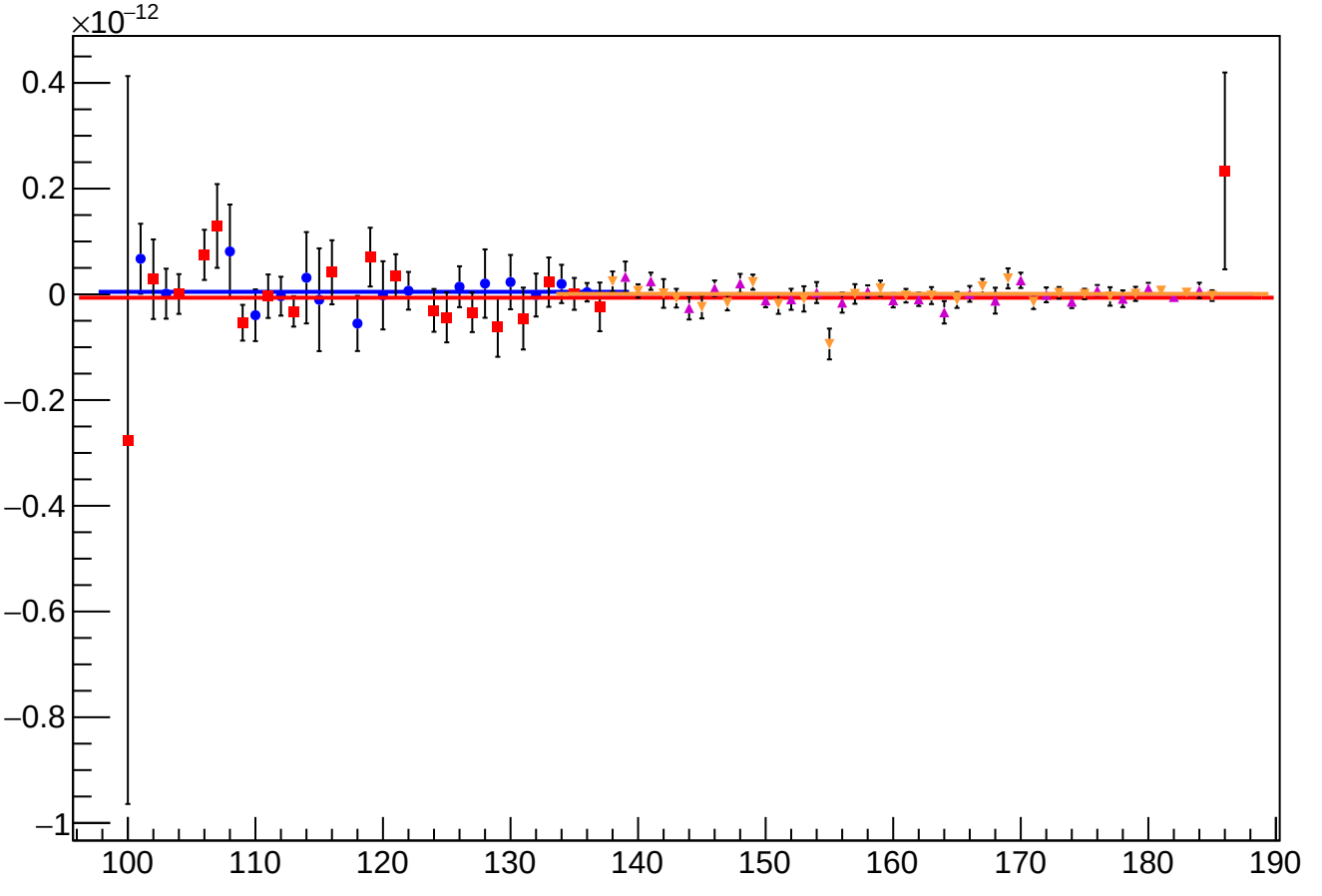
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 60.772+/-0.014 χ^2/NDF: 6329581.7/35

In: 58.176+/-0.009 χ^2/NDF:3918005.3/38

Out: 56.618+/-0.009 χ^2/NDF:4476854.6/44

All: 57.367+/-0.006 χ^2/NDF: 8409585.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

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

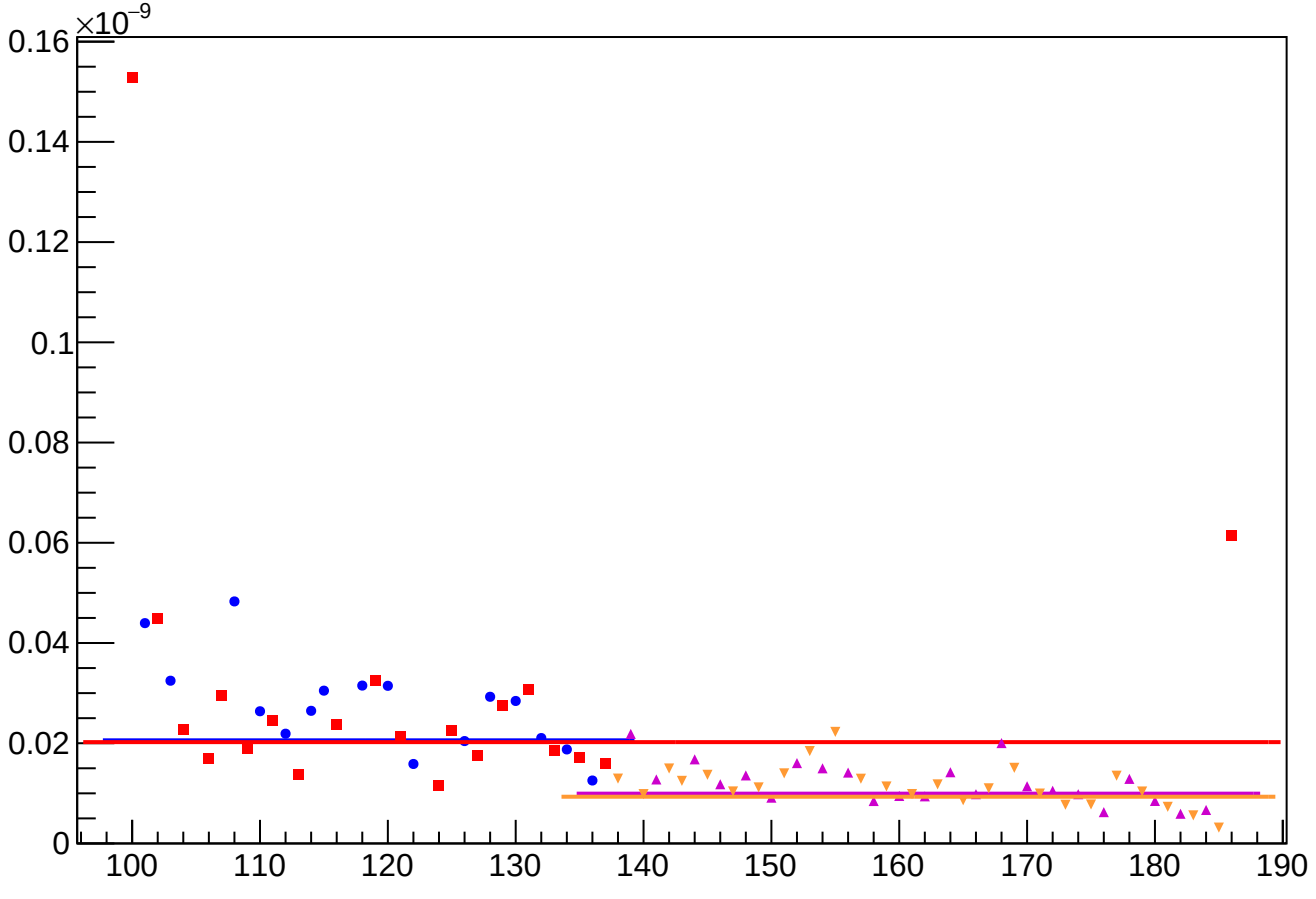
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 22.8/35

In: 0.000+/-0.000 χ^2/NDF:24.8/38

Out: 0.000+/-0.000 χ^2/NDF:43.6/44

All: 0.000+/-0.000 χ^2/NDF: 68.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

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

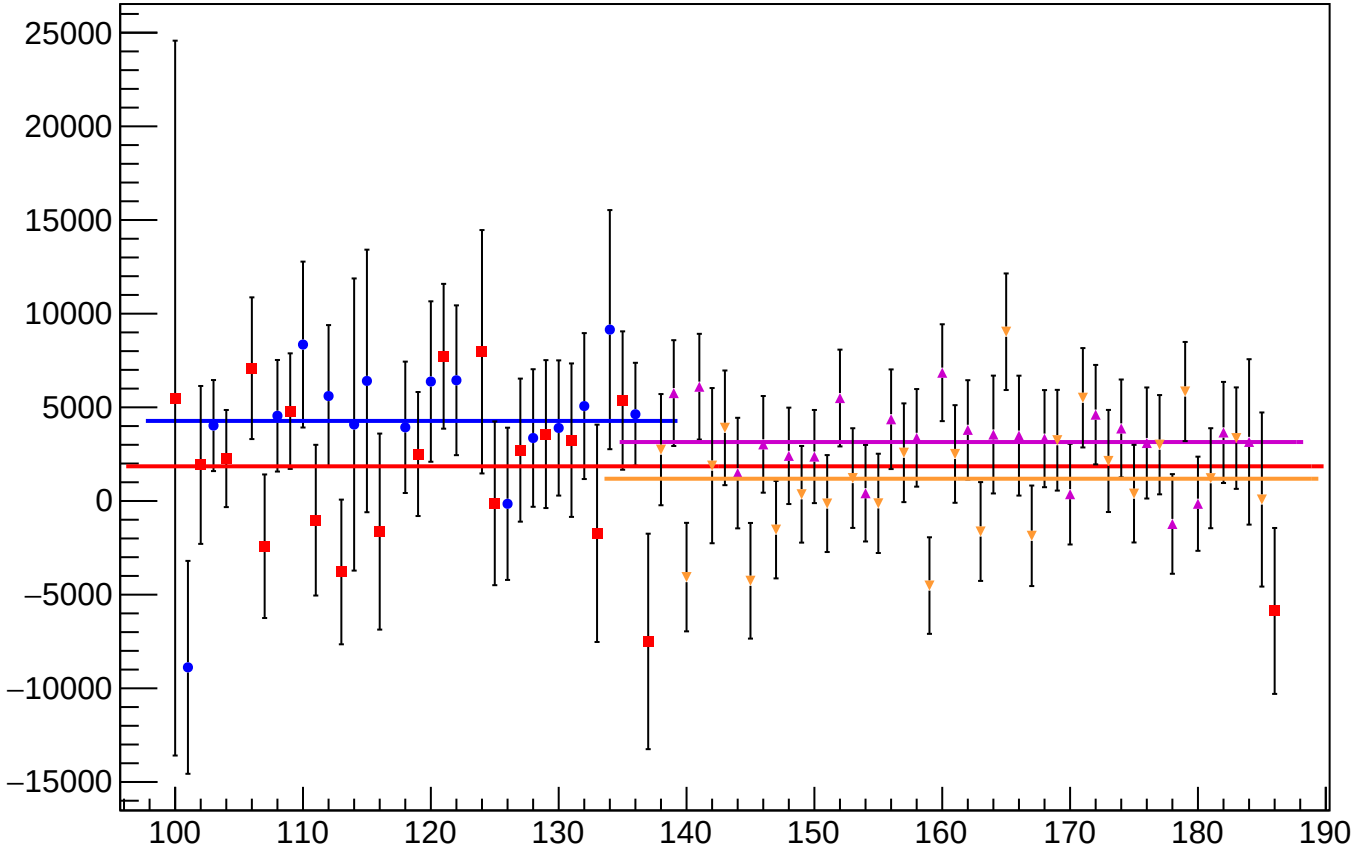
Right: 0.000+/-0.000 χ^2/NDF: 2231873.8/35

In: 0.000+/-0.000 χ^2/NDF:5883047.4/38

Out: 0.000+/-0.000 χ^2/NDF:6146651.1/44

All: 0.000+/-0.000 χ^2/NDF: 12089431.5/83

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

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

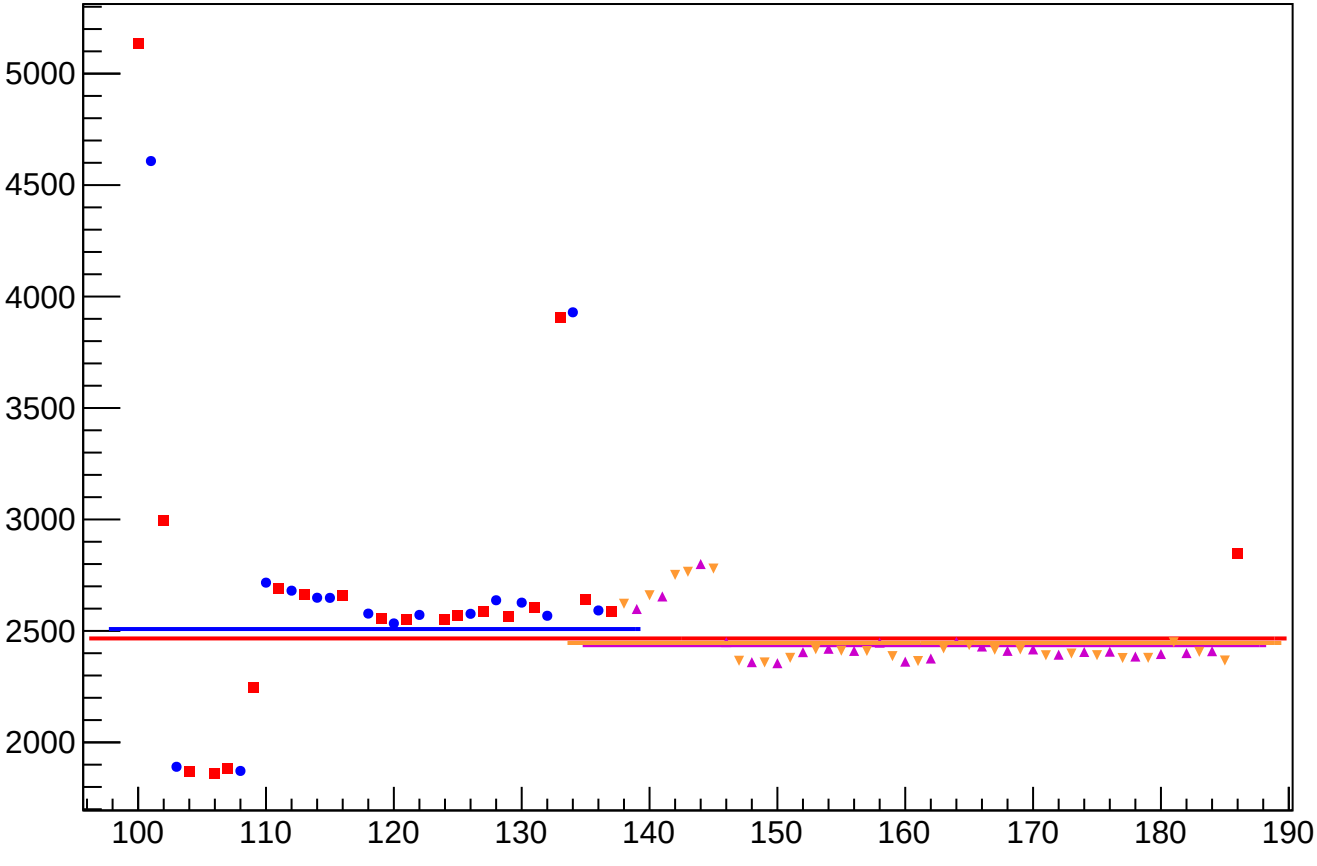
Right: 2998.765+/-655.044 χ^2/NDF: 30.3/35

In: 3444.236+/-488.545 χ^2/NDF:22.6/38

Out: 1371.221+/-473.563 χ^2/NDF:49.5/44

All: 2375.455+/-340.033 χ^2/NDF: 81.4/83

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

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

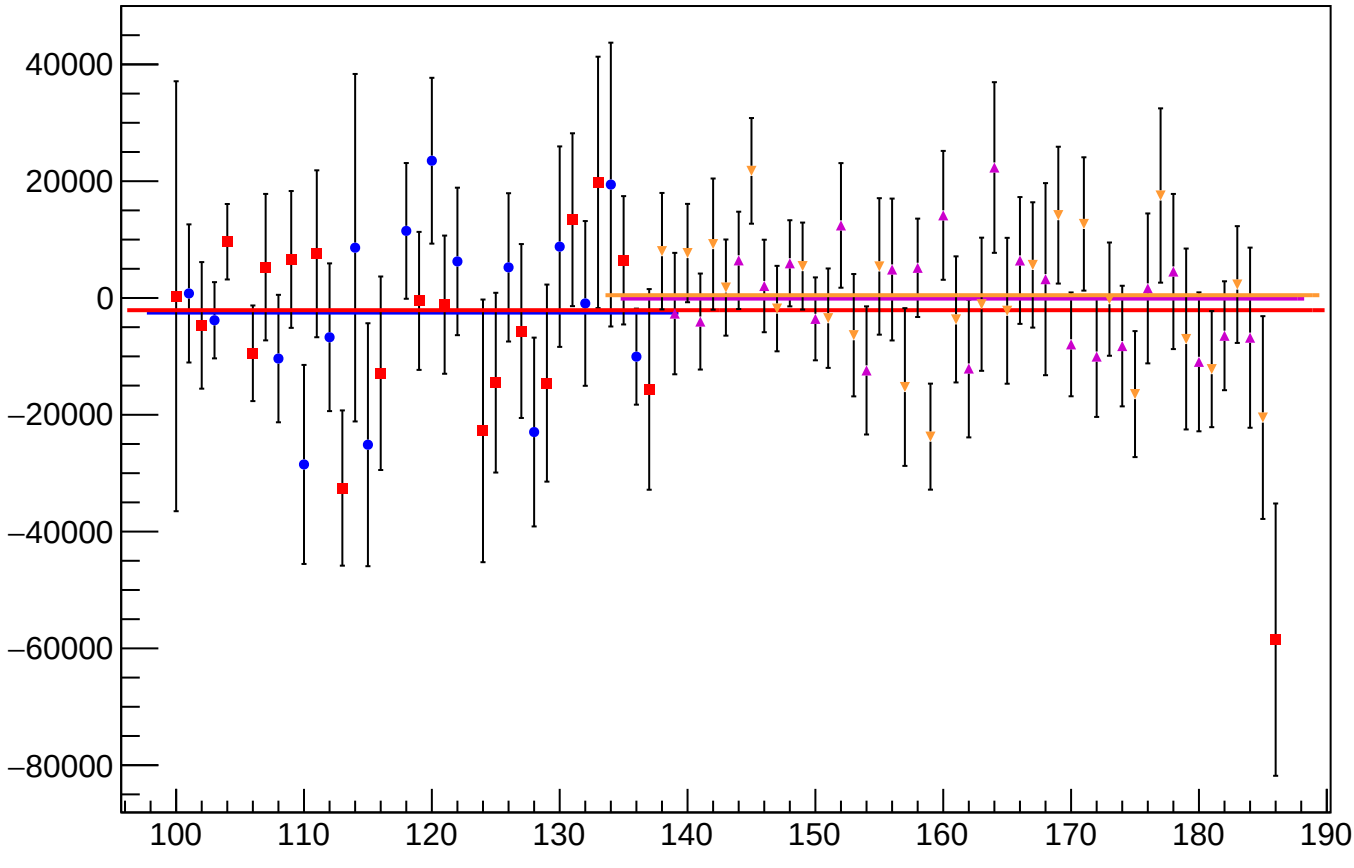
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2486.224+/-0.463 χ^2/NDF: 1066163.1/35

In: 2455.049+/-0.345 χ^2/NDF:679328.5/38

Out: 2451.438+/-0.335 χ^2/NDF:543254.4/44

All: 2453.187+/-0.240 χ^2/NDF: 1222639.3/83



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

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

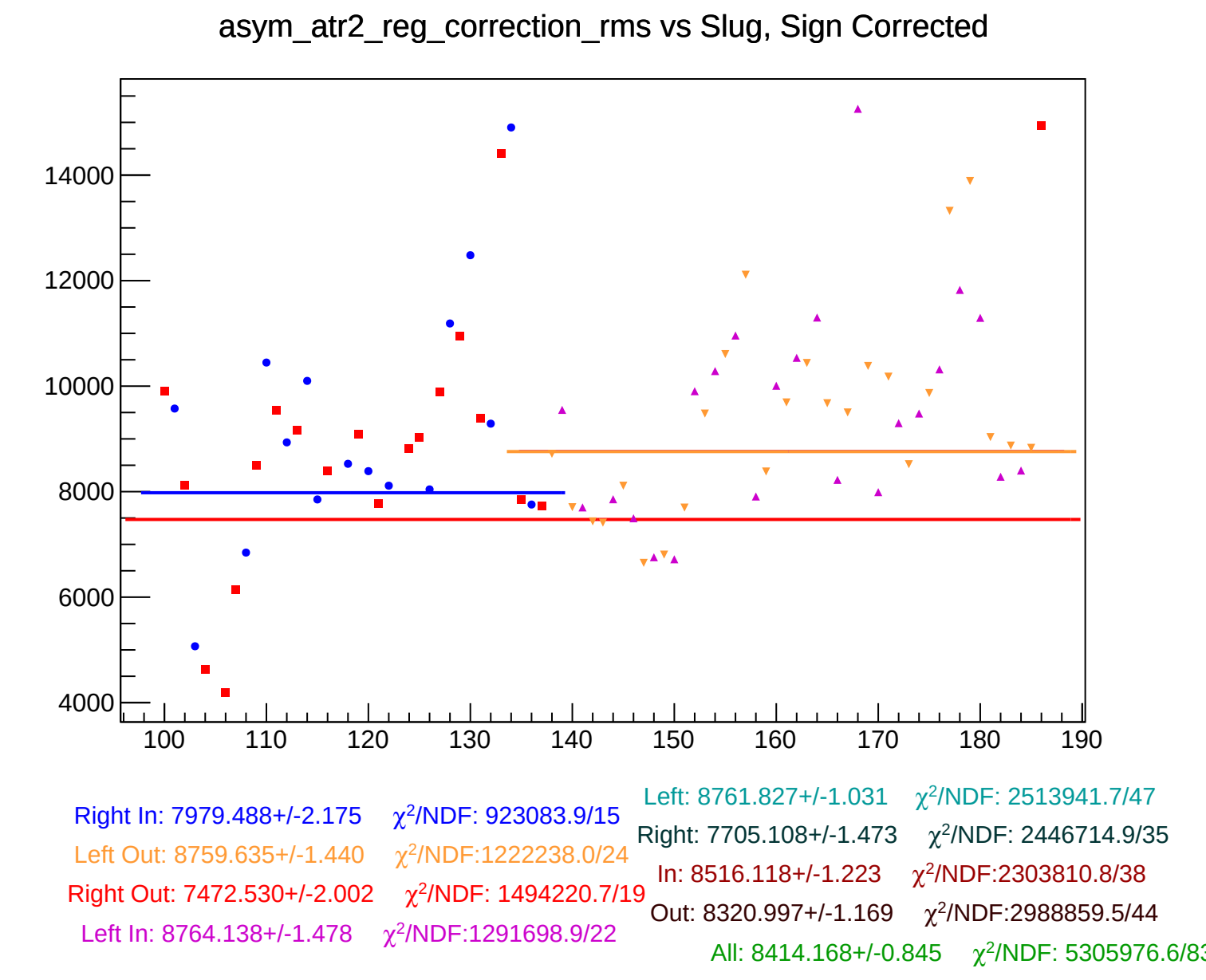
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2277.793+/-2083.173 χ^2/NDF: 36.3/35

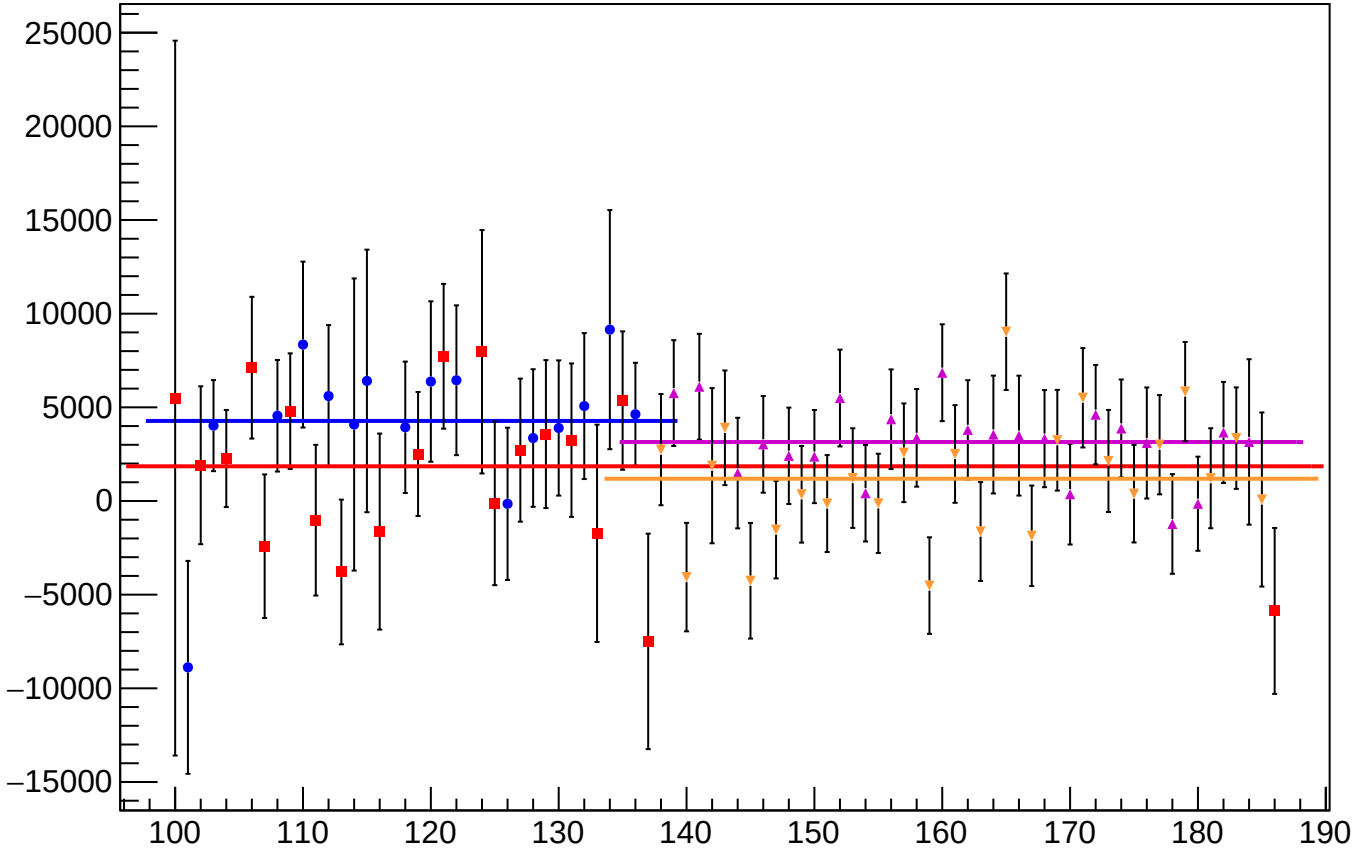
In: -862.195+/-1729.149 χ^2/NDF:28.7/38

Out: -397.331+/-1653.033 χ^2/NDF:50.5/44

All: -619.306+/-1194.874 χ^2/NDF: 79.2/83


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7472.530+/-2.002 χ²/NDF: 1494220.7/19
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 7705.108+/-1.473 χ²/NDF: 2446714.9/35
In: 8516.118+/-1.223 χ²/NDF:2303810.8/38
Out: 8320.997+/-1.169 χ²/NDF:2988859.5/44
All: 8414.168+/-0.845 χ²/NDF: 5305976.6/83

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

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

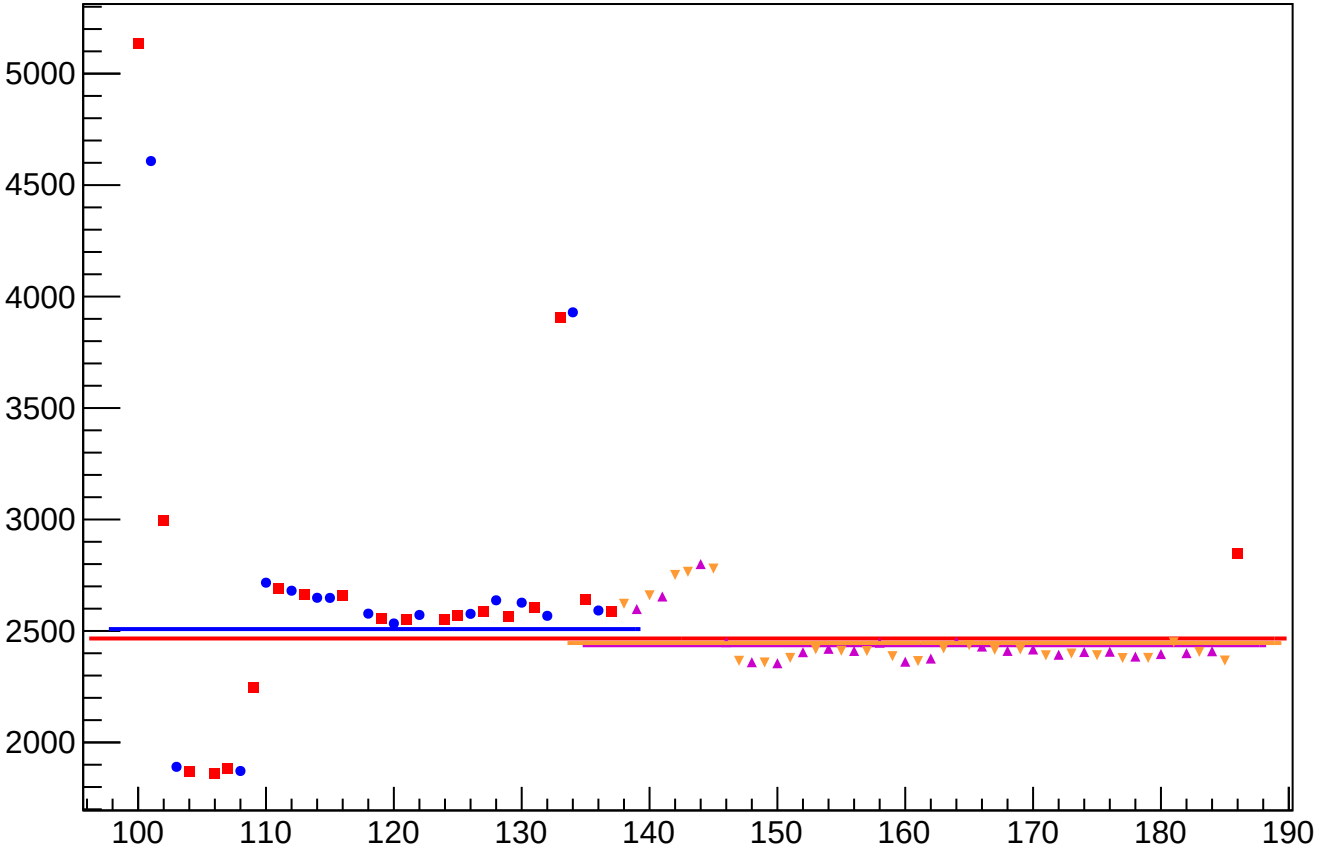
Right: 2998.861+/-655.047 χ^2/NDF: 30.3/35

In: 3443.962+/-488.545 χ^2/NDF:22.6/38

Out: 1371.263+/-473.564 χ^2/NDF:49.5/44

All: 2375.346+/-340.033 χ^2/NDF: 81.4/83

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

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

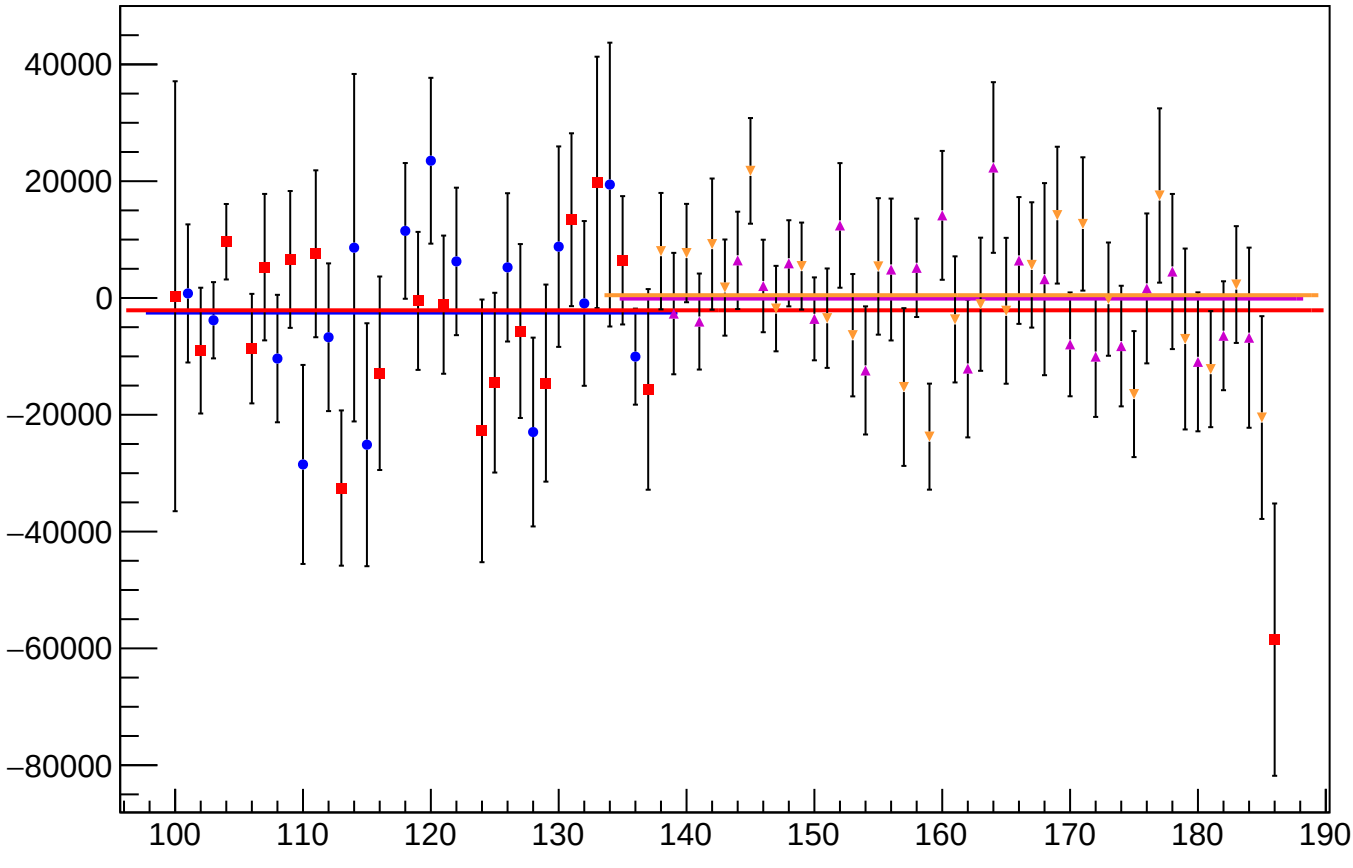
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2486.237+/-0.463 χ^2/NDF: 1066102.4/35

In: 2455.049+/-0.345 χ^2/NDF:679326.5/38

Out: 2451.445+/-0.335 χ^2/NDF:543199.8/44

All: 2453.191+/-0.240 χ^2/NDF: 1222582.5/83



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

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

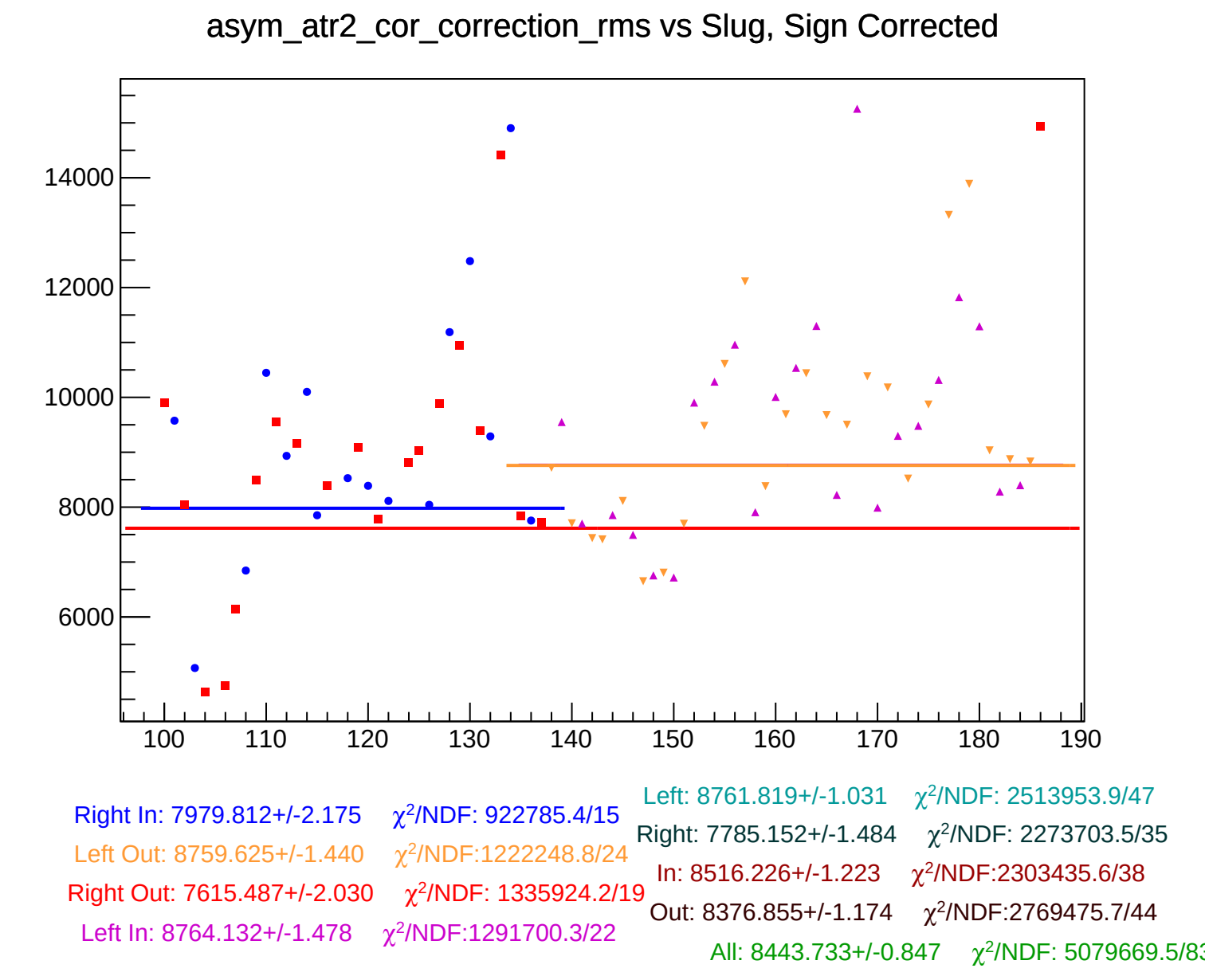
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

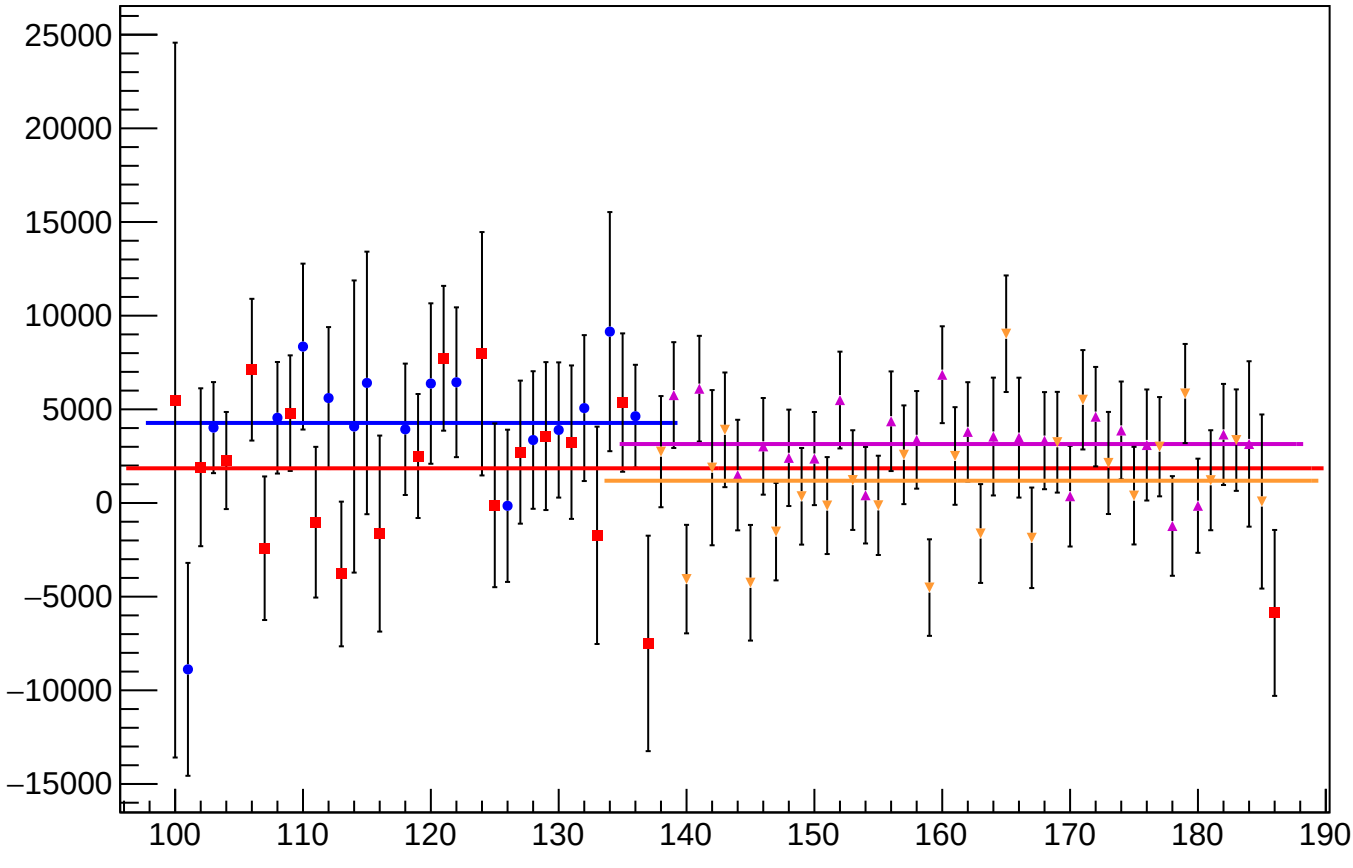
Right: -2290.974+/-2098.902 χ^2/NDF: 36.3/35

In: -862.143+/-1729.164 χ^2/NDF:28.7/38

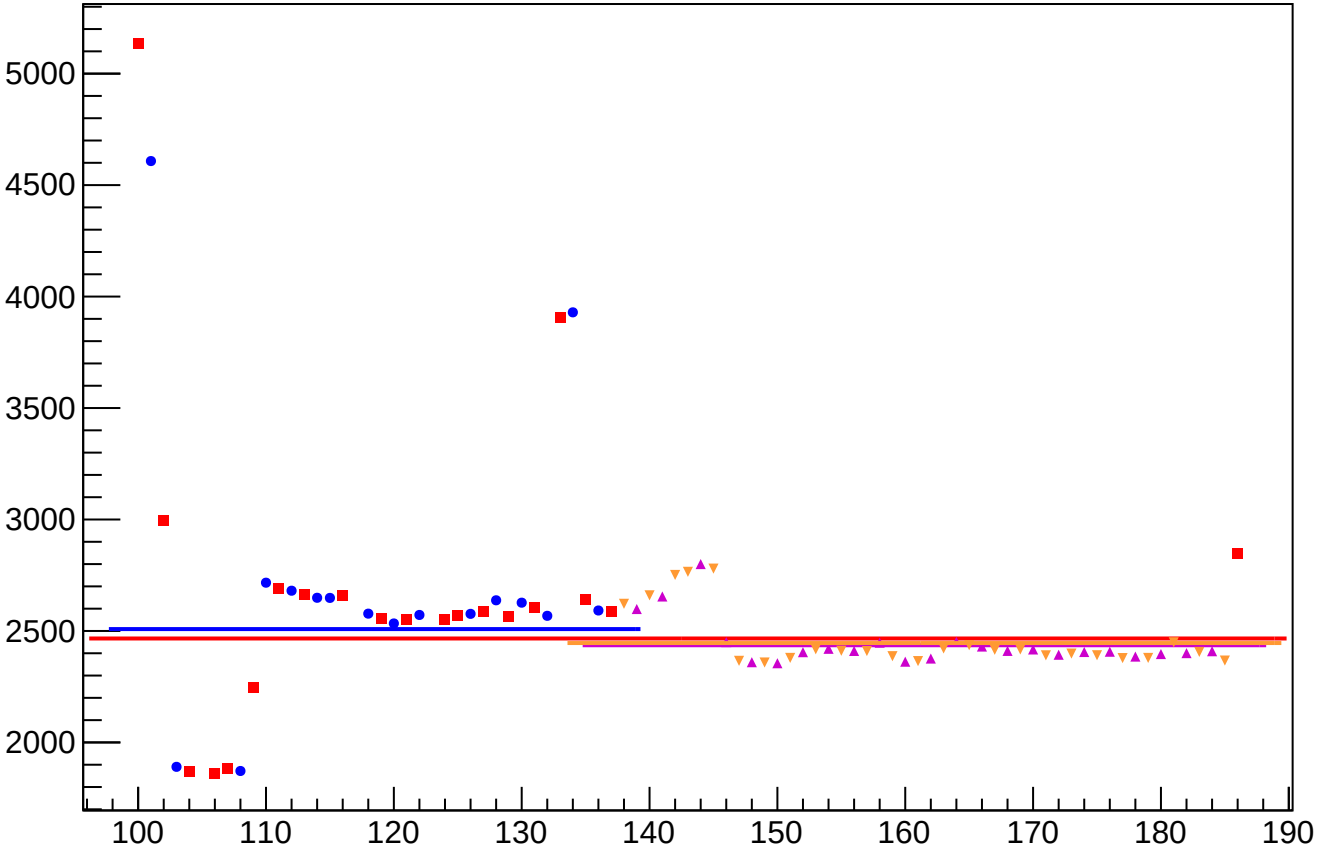
Out: -387.828+/-1660.844 χ^2/NDF:50.5/44

All: -615.430+/-1197.819 χ^2/NDF: 79.2/83


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
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: 7785.152+/-1.484 χ²/NDF: 2273703.5/35
In: 8516.226+/-1.223 χ²/NDF:2303435.6/38
Out: 8376.855+/-1.174 χ²/NDF:2769475.7/44
All: 8443.733+/-0.847 χ²/NDF: 5079669.5/83


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: 4273.903+/-951.956 χ²/NDF: 8.9/15
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: 2998.861+/-655.047 χ²/NDF: 30.3/35
In: 3443.962+/-488.545 χ²/NDF:22.6/38
Out: 1371.263+/-473.564 χ²/NDF:49.5/44
All: 2375.346+/-340.033 χ²/NDF: 81.4/83

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

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

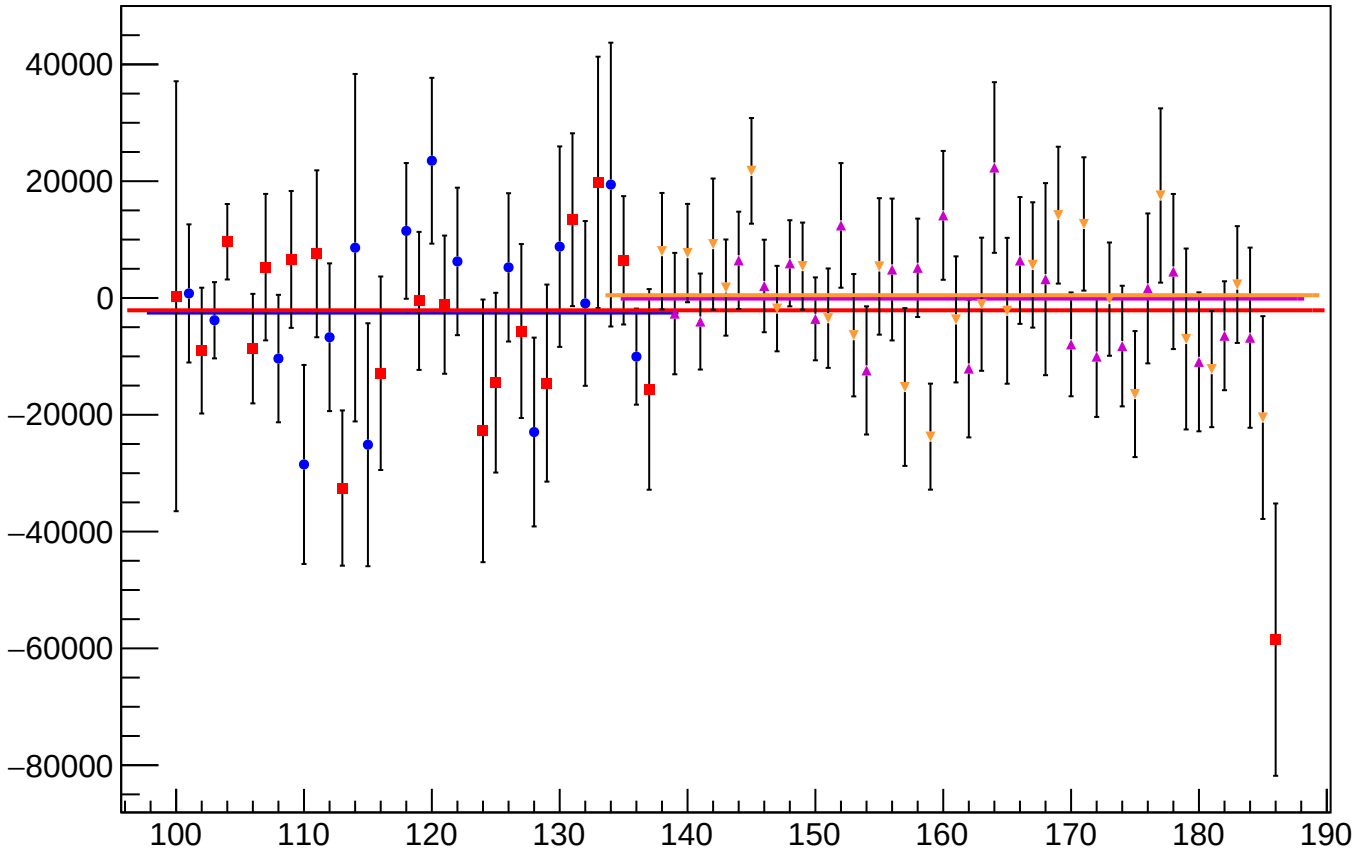
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2486.237+/-0.463 χ^2/NDF: 1066102.4/35

In: 2455.049+/-0.345 χ^2/NDF:679326.5/38

Out: 2451.445+/-0.335 χ^2/NDF:543199.8/44

All: 2453.191+/-0.240 χ^2/NDF: 1222582.5/83



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

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

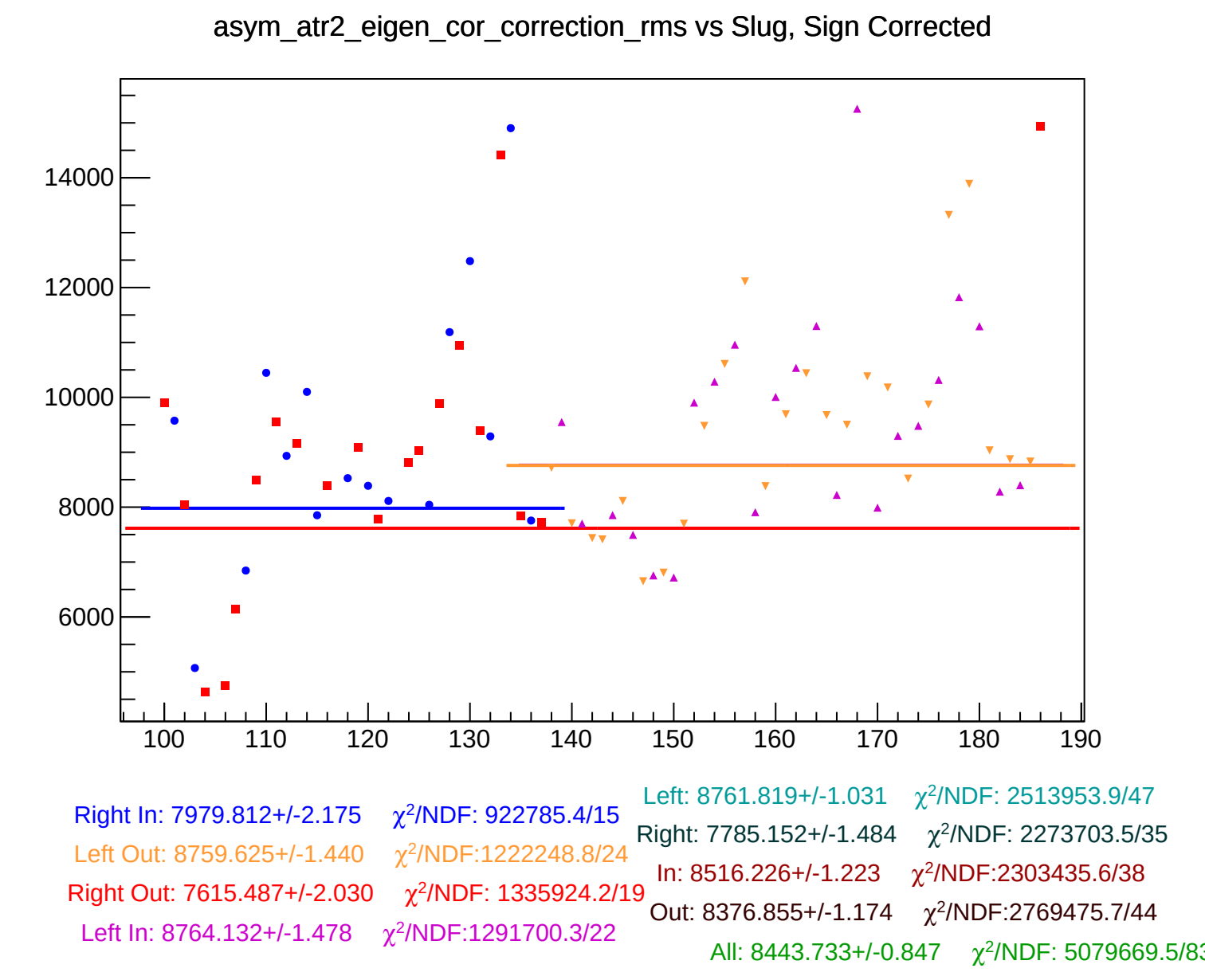
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

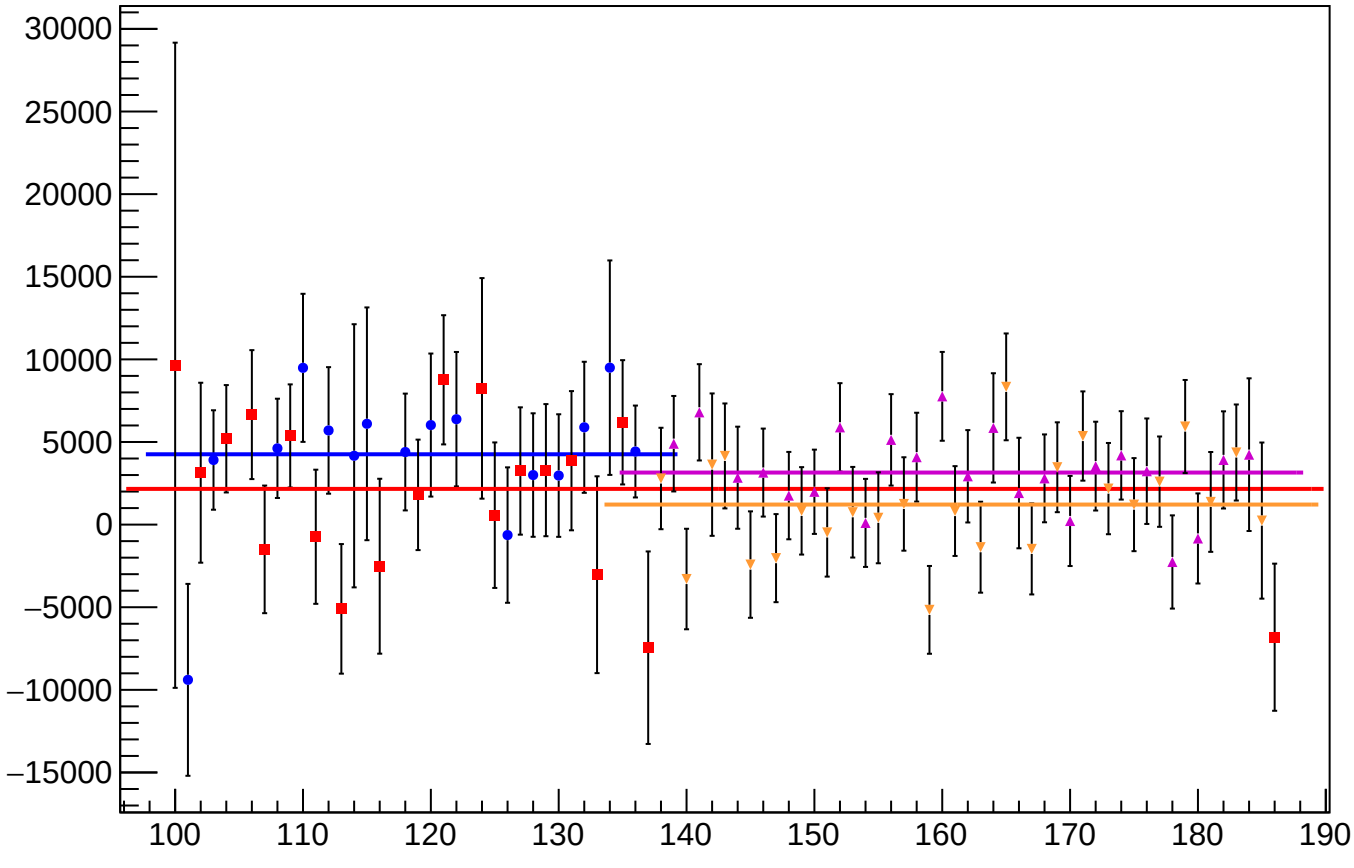
Right: -2290.974+/-2098.902 χ^2/NDF: 36.3/35

In: -862.143+/-1729.164 χ^2/NDF:28.7/38

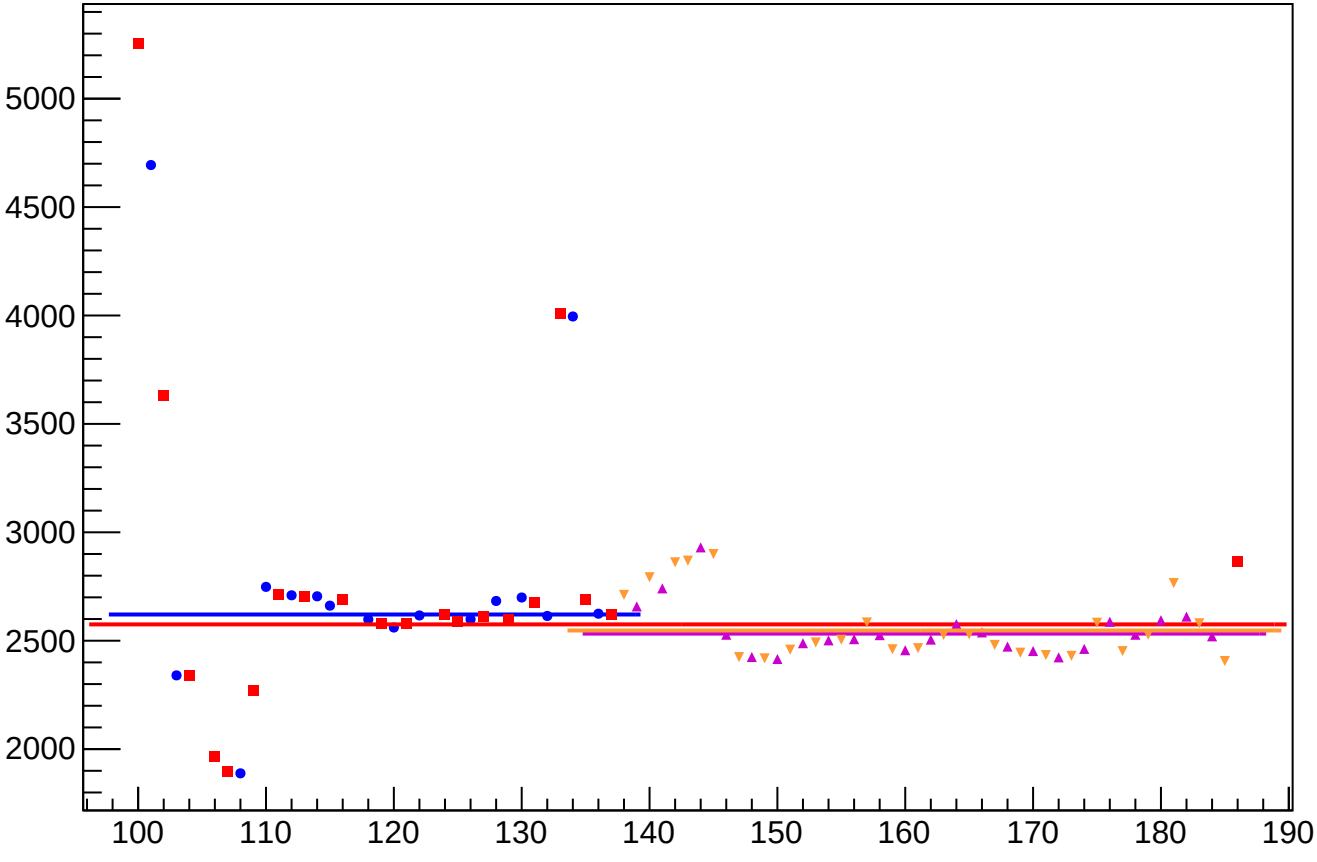
Out: -387.828+/-1660.844 χ^2/NDF:50.5/44

All: -615.430+/-1197.819 χ^2/NDF: 79.2/83


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
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: 7785.152+/-1.484 χ²/NDF: 2273703.5/35
In: 8516.226+/-1.223 χ²/NDF:2303435.6/38
Out: 8376.855+/-1.174 χ²/NDF:2769475.7/44
All: 8443.733+/-0.847 χ²/NDF: 5079669.5/83


dit_asym_atr2_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: 4256.977+/-990.542 χ²/NDF: 10.1/15
Left Out: 1213.875+/-579.693 χ²/NDF:26.8/24
Right Out: 2162.054+/-944.080 χ²/NDF: 21.9/19
Left In: 3150.265+/-592.116 χ²/NDF:16.5/22
Left: 2161.543+/-414.227 χ²/NDF: 48.7/47
Right: 3159.232+/-683.400 χ²/NDF: 34.3/35
In: 3441.617+/-508.235 χ²/NDF:27.4/38
Out: 1473.487+/-493.999 χ²/NDF:49.5/44
All: 2429.602+/-354.236 χ²/NDF: 84.6/83

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

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

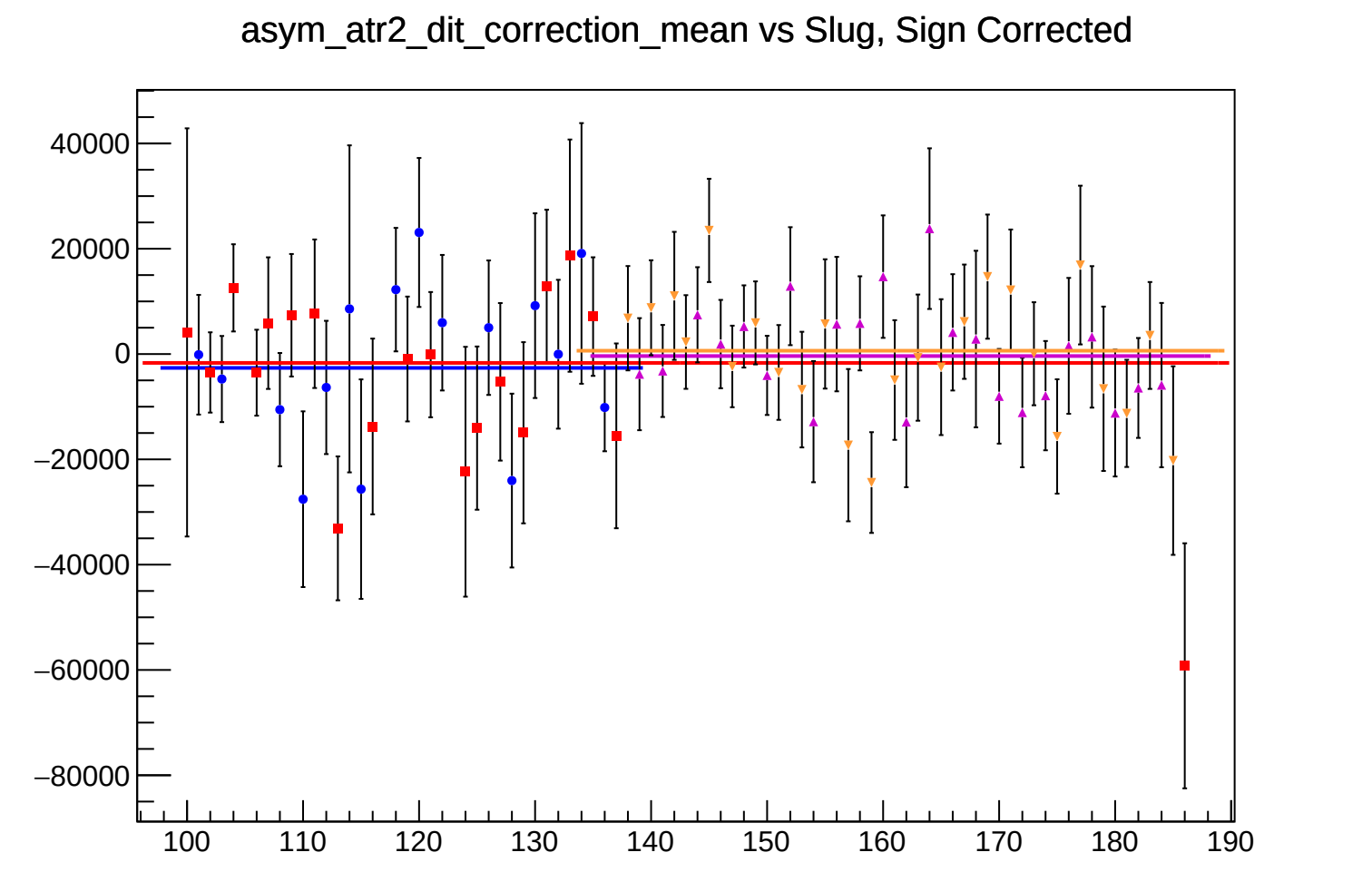
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2597.019+/-0.483 χ^2/NDF: 875204.9/35

In: 2555.989+/-0.359 χ^2/NDF:566035.5/38

Out: 2554.865+/-0.349 χ^2/NDF:505651.5/44

All: 2555.411+/-0.250 χ^2/NDF: 1071692.0/83



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -1679.667+/-2851.290 χ^2/NDF: 21.6/19

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

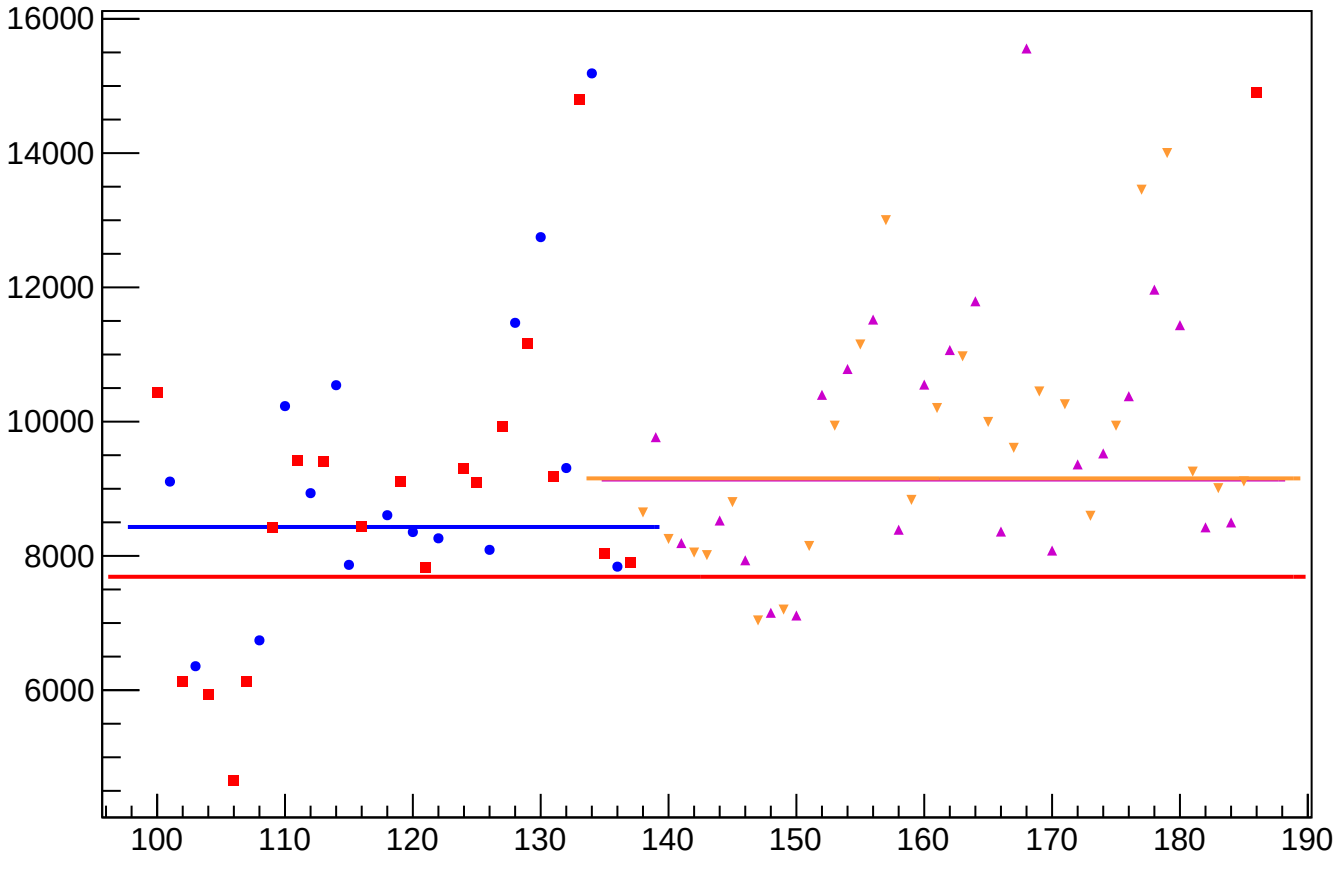
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -2099.415+/-2132.195 χ^2/NDF: 35.5/35

In: -1087.281+/-1801.627 χ^2/NDF:28.4/38

Out: -192.945+/-1702.876 χ^2/NDF:48.7/44

All: -614.932+/-1237.554 χ^2/NDF: 77.2/83



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

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

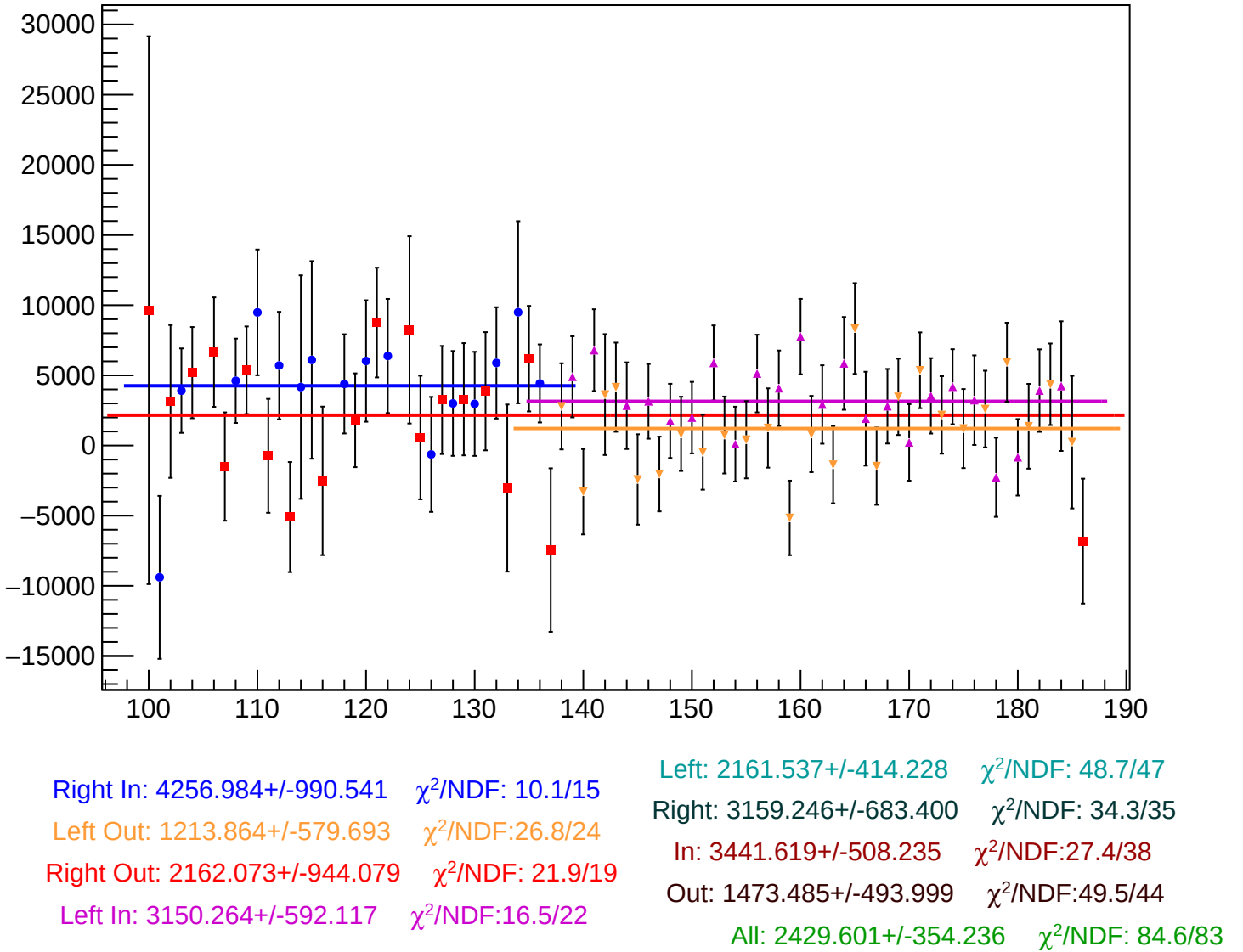
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 8016.002+/-1.508 χ^2/NDF: 1809225.1/35

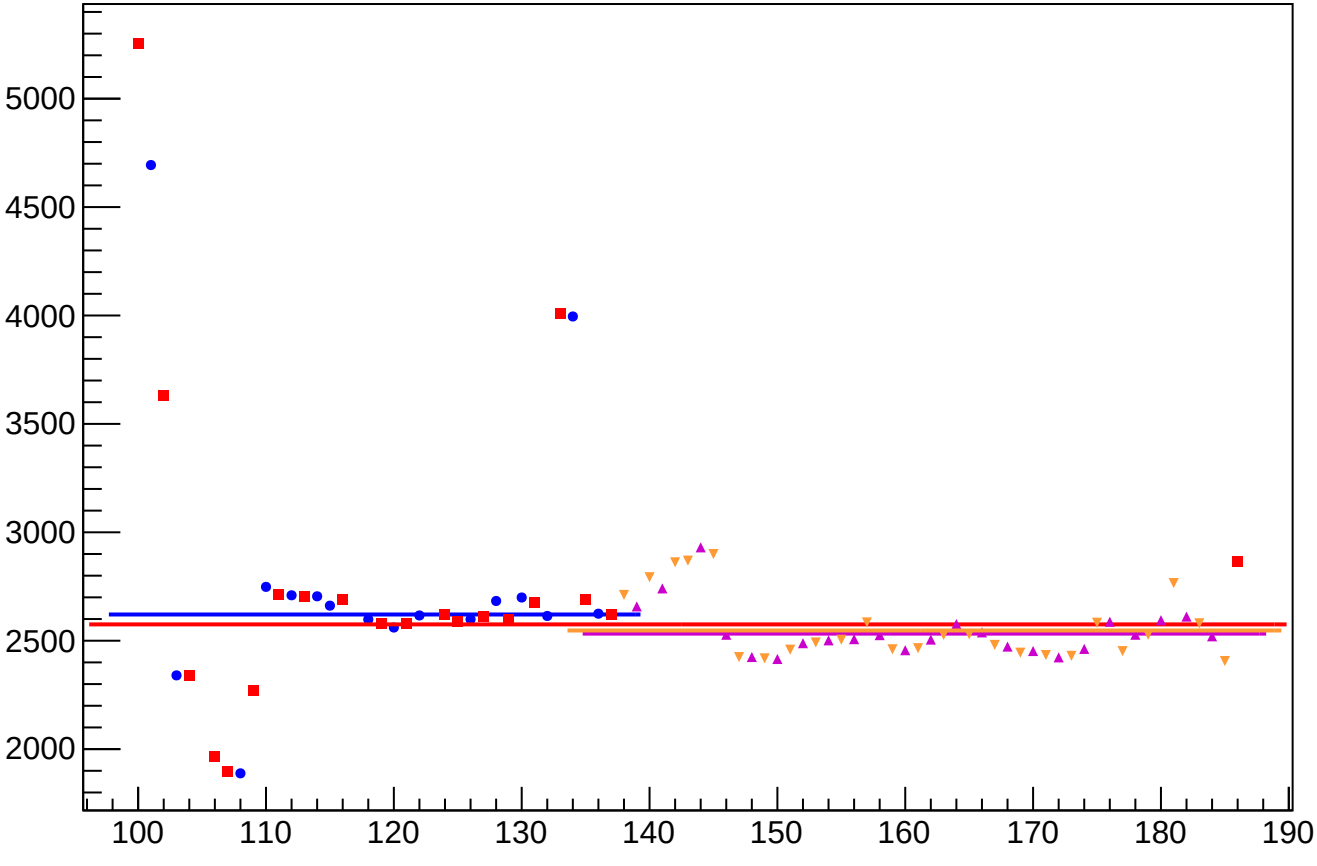
In: 8915.136+/-1.274 χ^2/NDF:1819475.2/38

Out: 8631.923+/-1.204 χ^2/NDF:2581301.4/44

All: 8765.555+/-0.875 χ^2/NDF: 4426879.4/83


eigen_dit_asym_atr2_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: 4256.984+/-990.541 χ²/NDF: 10.1/15
Left Out: 1213.864+/-579.693 χ²/NDF:26.8/24
Right Out: 2162.073+/-944.079 χ²/NDF: 21.9/19
Left In: 3150.264+/-592.117 χ²/NDF:16.5/22
Left: 2161.537+/-414.228 χ²/NDF: 48.7/47
Right: 3159.246+/-683.400 χ²/NDF: 34.3/35
In: 3441.619+/-508.235 χ²/NDF:27.4/38
Out: 1473.485+/-493.999 χ²/NDF:49.5/44
All: 2429.601+/-354.236 χ²/NDF: 84.6/83

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

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

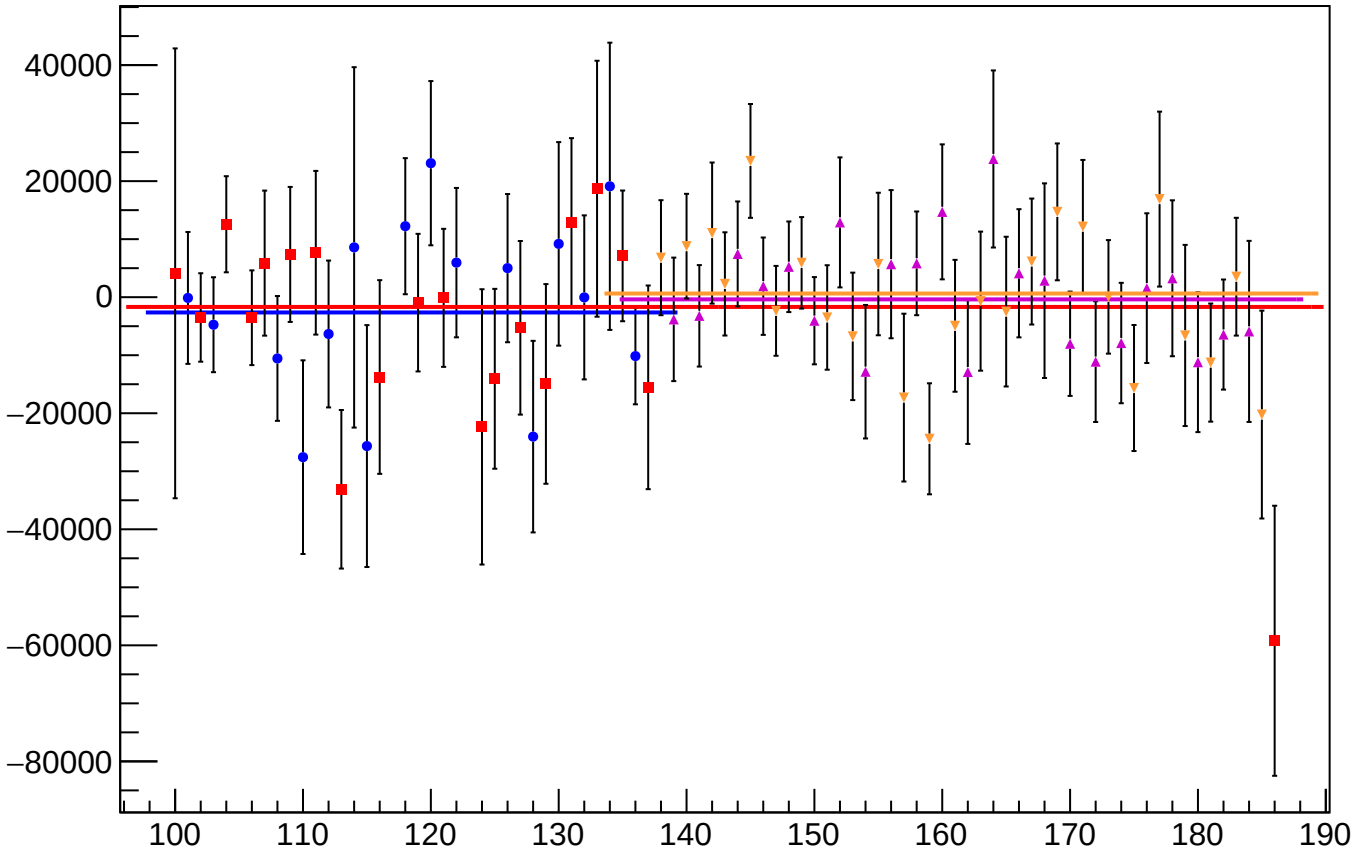
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2597.019+/-0.483 χ^2/NDF: 875204.5/35

In: 2555.990+/-0.359 χ^2/NDF:566034.8/38

Out: 2554.866+/-0.349 χ^2/NDF:505650.7/44

All: 2555.412+/-0.250 χ^2/NDF: 1071690.5/83



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

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

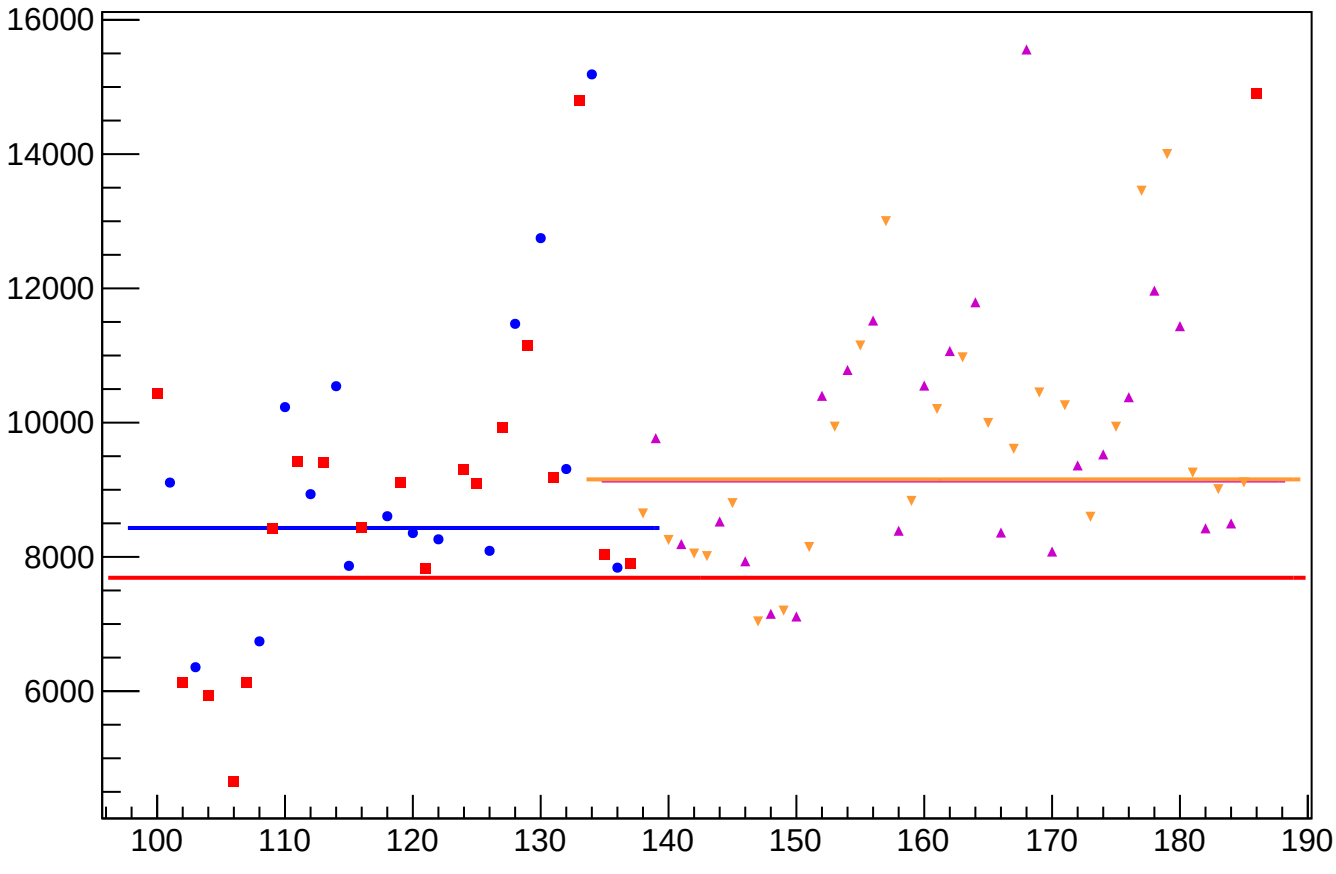
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2099.397+/-2132.192 χ^2/NDF: 35.5/35

In: -1087.276+/-1801.628 χ^2/NDF:28.4/38

Out: -192.950+/-1702.877 χ^2/NDF:48.7/44

All: -614.932+/-1237.554 χ^2/NDF: 77.2/83



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

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

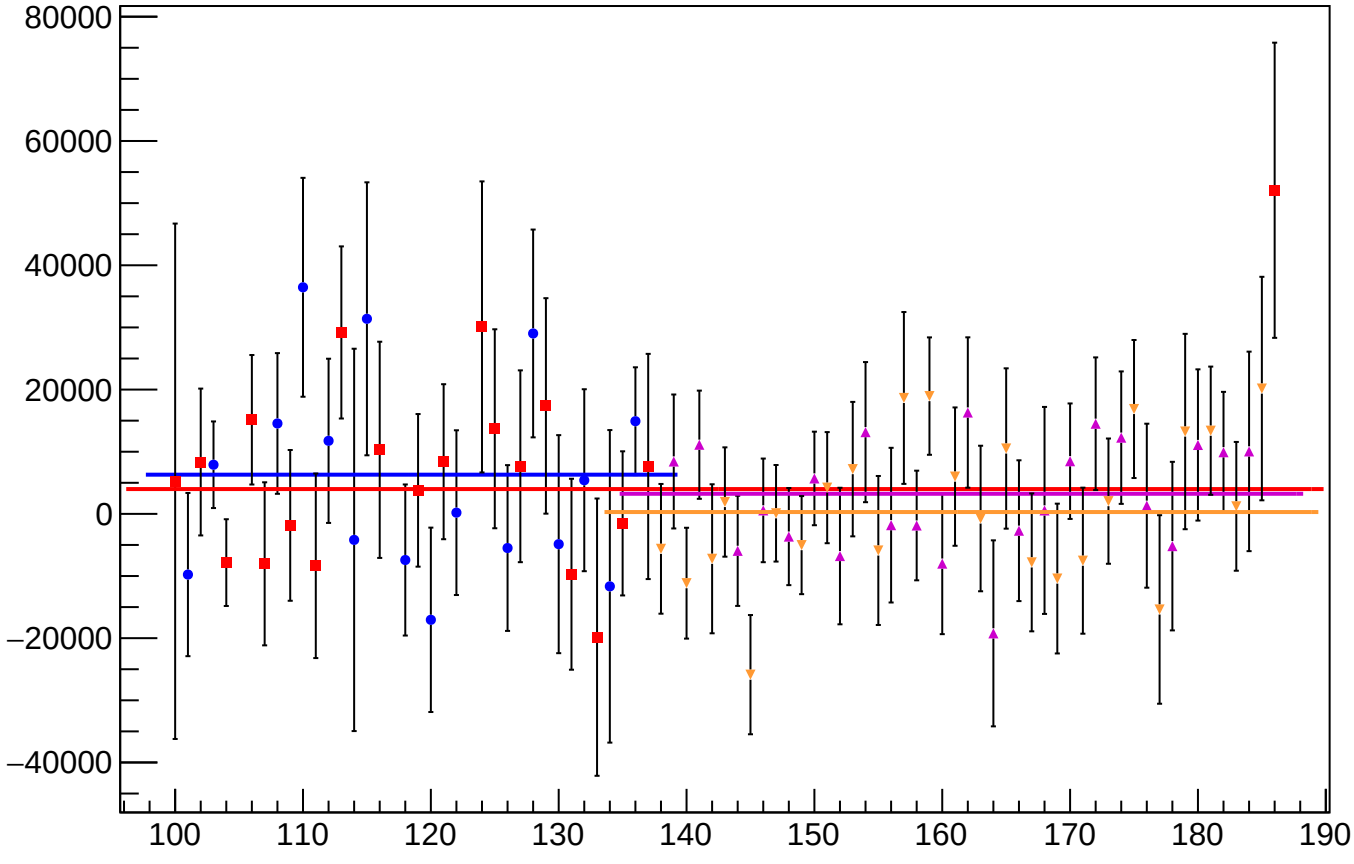
Right: 8015.991+/-1.508 χ^2/NDF: 1809215.8/35

In: 8915.141+/-1.274 χ^2/NDF:1819477.9/38

Out: 8631.926+/-1.204 χ^2/NDF:2581311.8/44

All: 8765.560+/-0.875 χ^2/NDF: 4426892.9/83

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

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

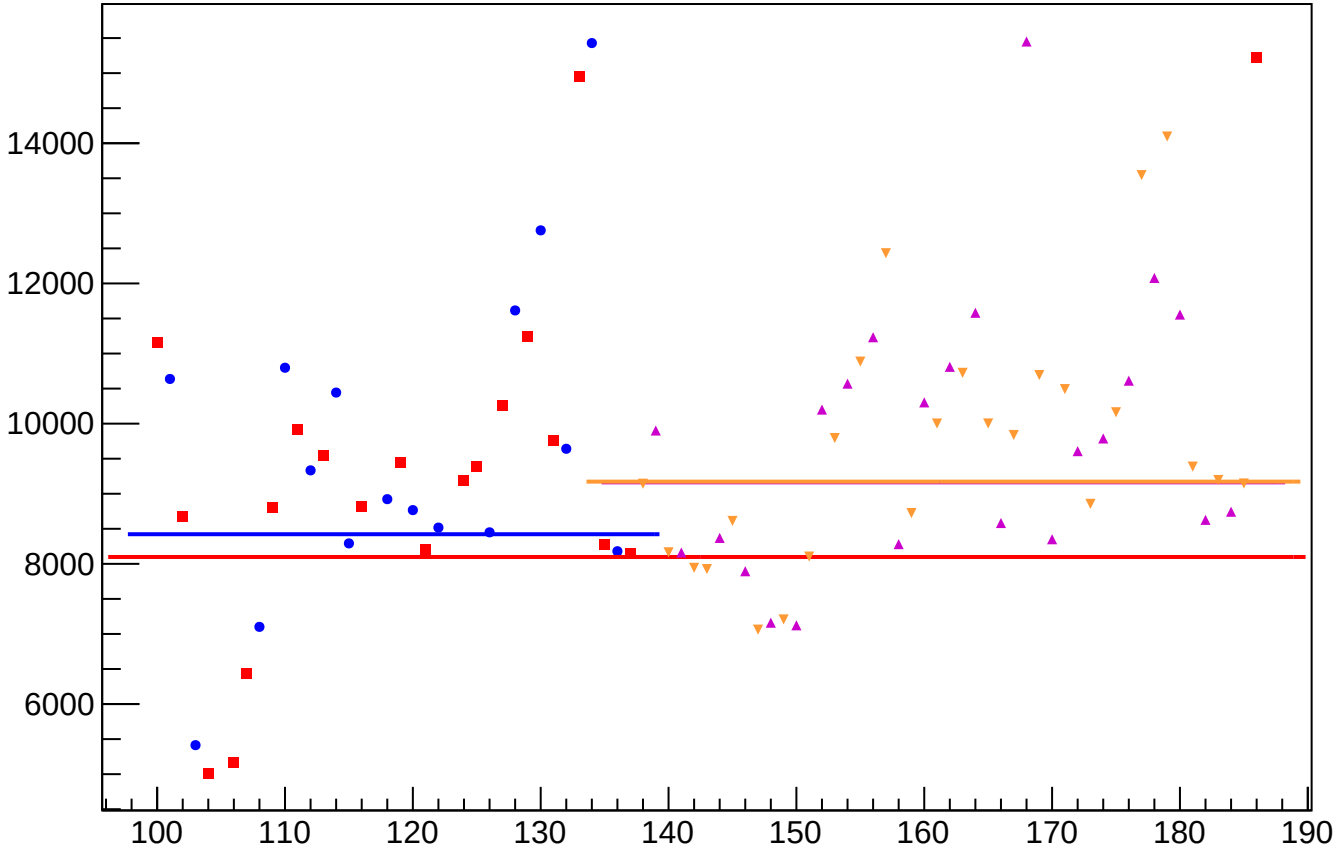
Right: 5077.326+/-2218.139 χ^2/NDF: 33.4/35

In: 4191.456+/-1808.560 χ^2/NDF:29.3/38

Out: 1507.074+/-1742.514 χ^2/NDF:45.4/44

All: 2799.356+/-1254.843 χ^2/NDF: 75.8/83

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

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

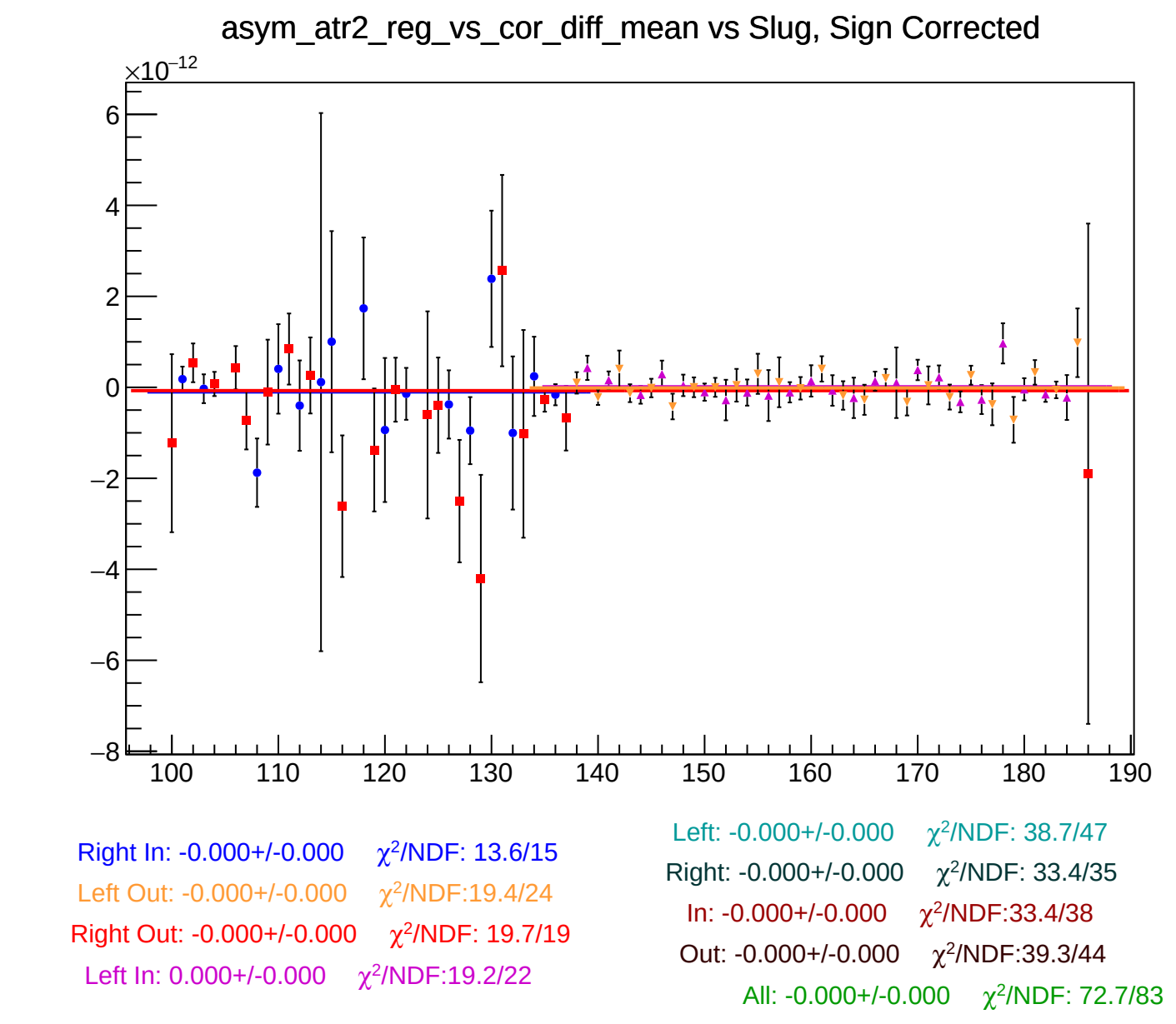
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

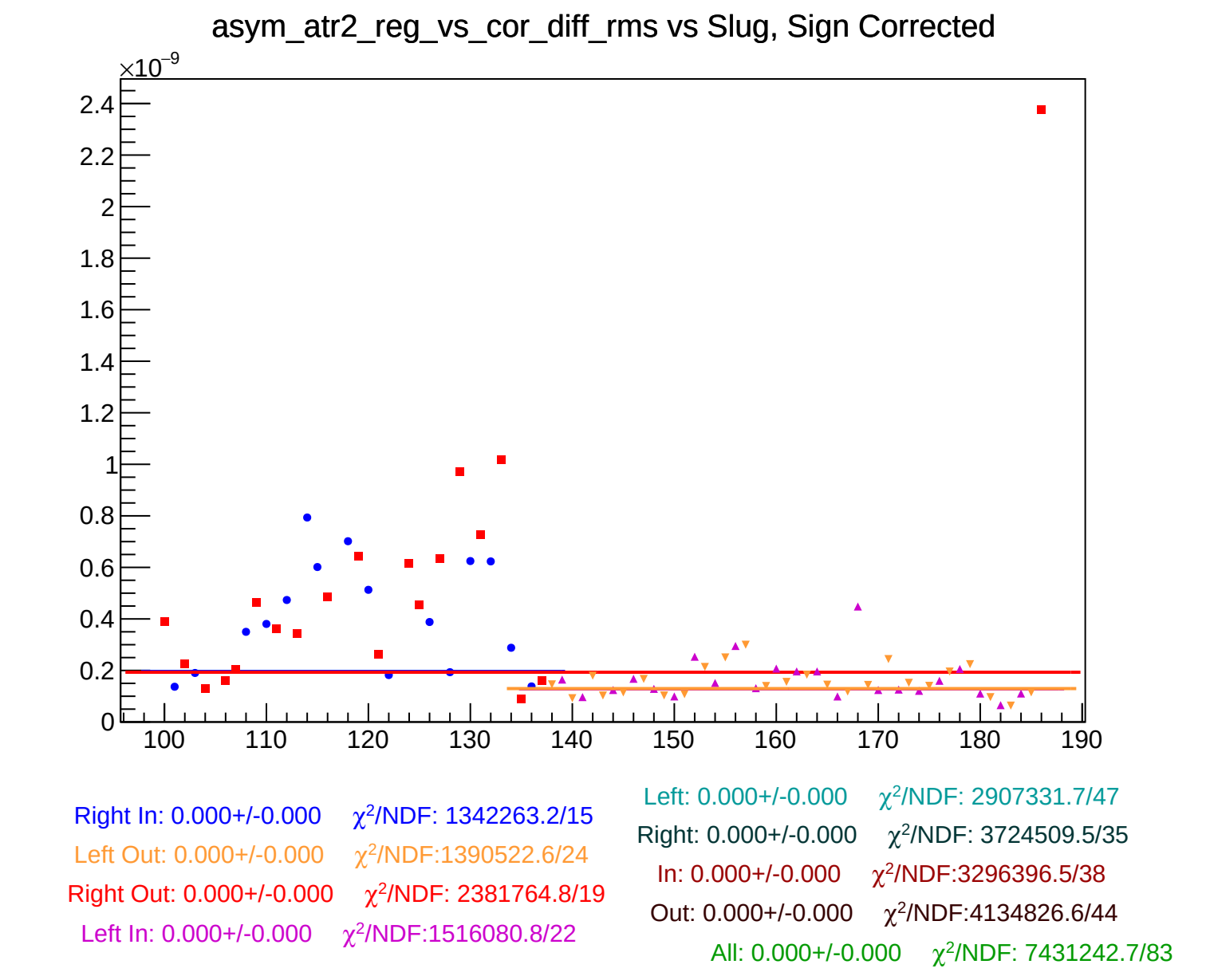
Right: 8250.185+/-1.568 χ^2/NDF: 2091499.4/35

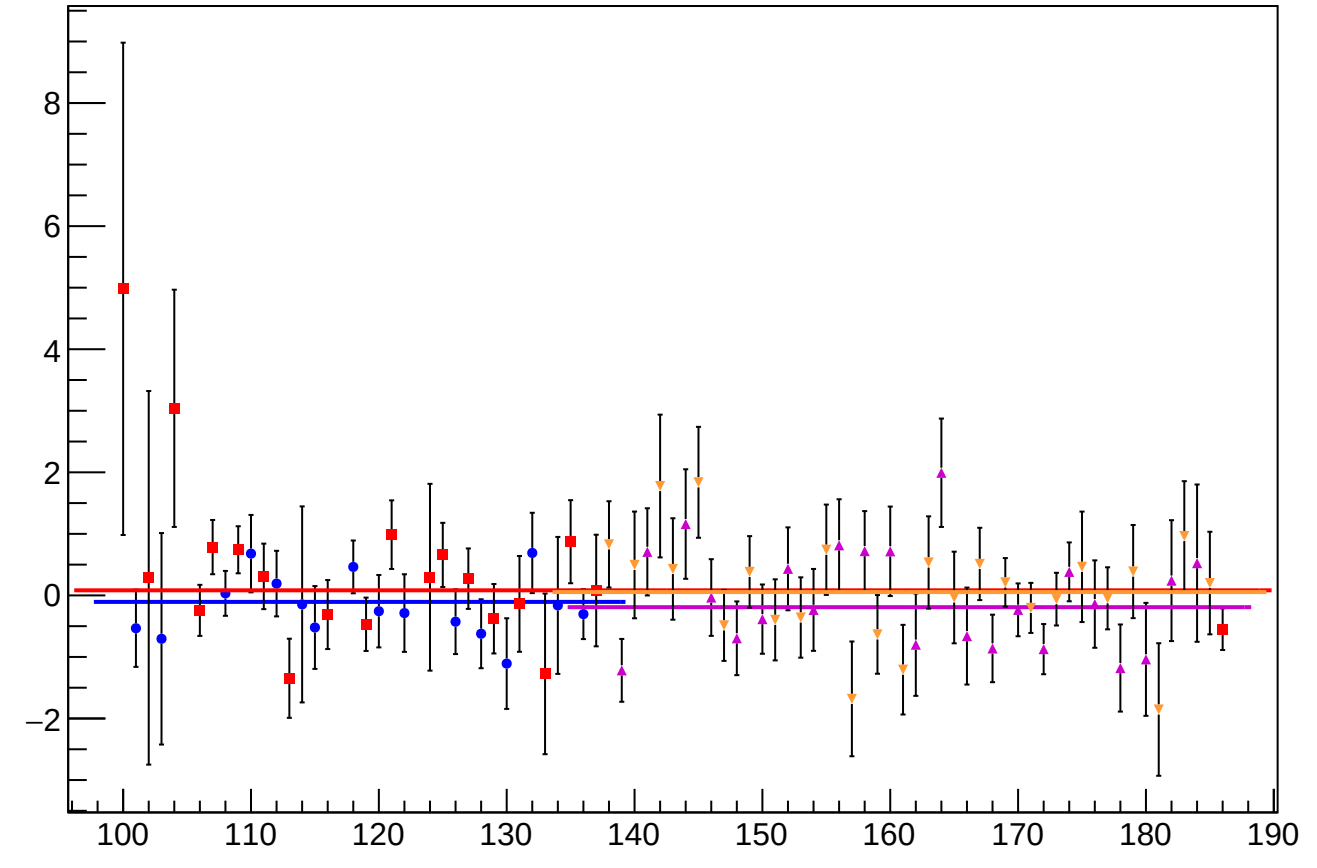
In: 8931.799+/-1.279 χ^2/NDF:2081110.3/38

Out: 8820.435+/-1.232 χ^2/NDF:2423638.4/44

All: 8874.046+/-0.887 χ^2/NDF: 4508681.3/83


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
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: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:19.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.7/19
Left In: 0.000+/-0.000 χ²/NDF:19.2/22
Left: -0.000+/-0.000 χ²/NDF: 38.7/47
Right: -0.000+/-0.000 χ²/NDF: 33.4/35
In: -0.000+/-0.000 χ²/NDF:33.4/38
Out: -0.000+/-0.000 χ²/NDF:39.3/44
All: -0.000+/-0.000 χ²/NDF: 72.7/83


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
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: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2381764.8/19
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 3724509.5/35
In: 0.000+/-0.000 χ²/NDF:3296396.5/38
Out: 0.000+/-0.000 χ²/NDF:4134826.6/44
All: 0.000+/-0.000 χ²/NDF: 7431242.7/83



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

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

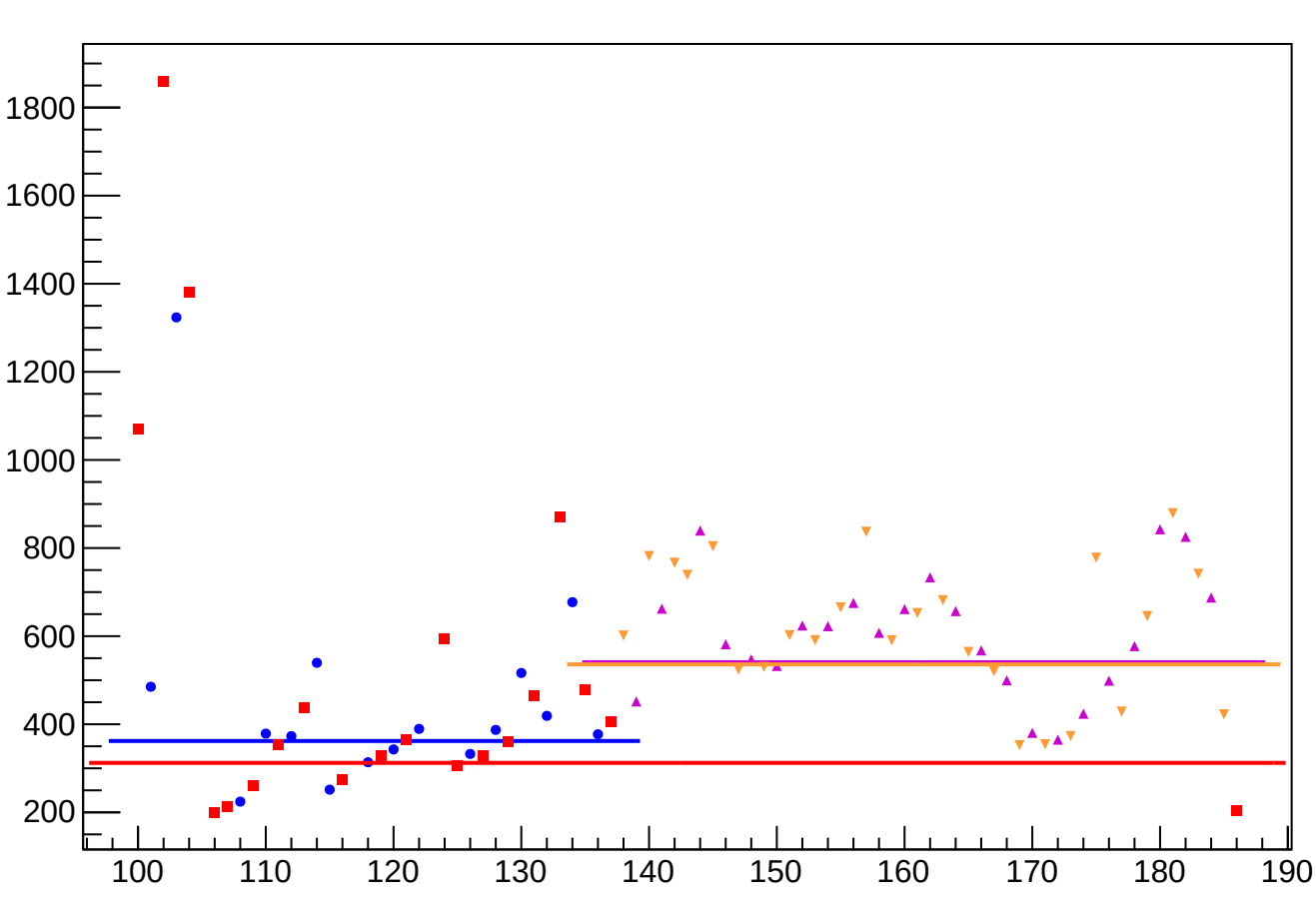
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

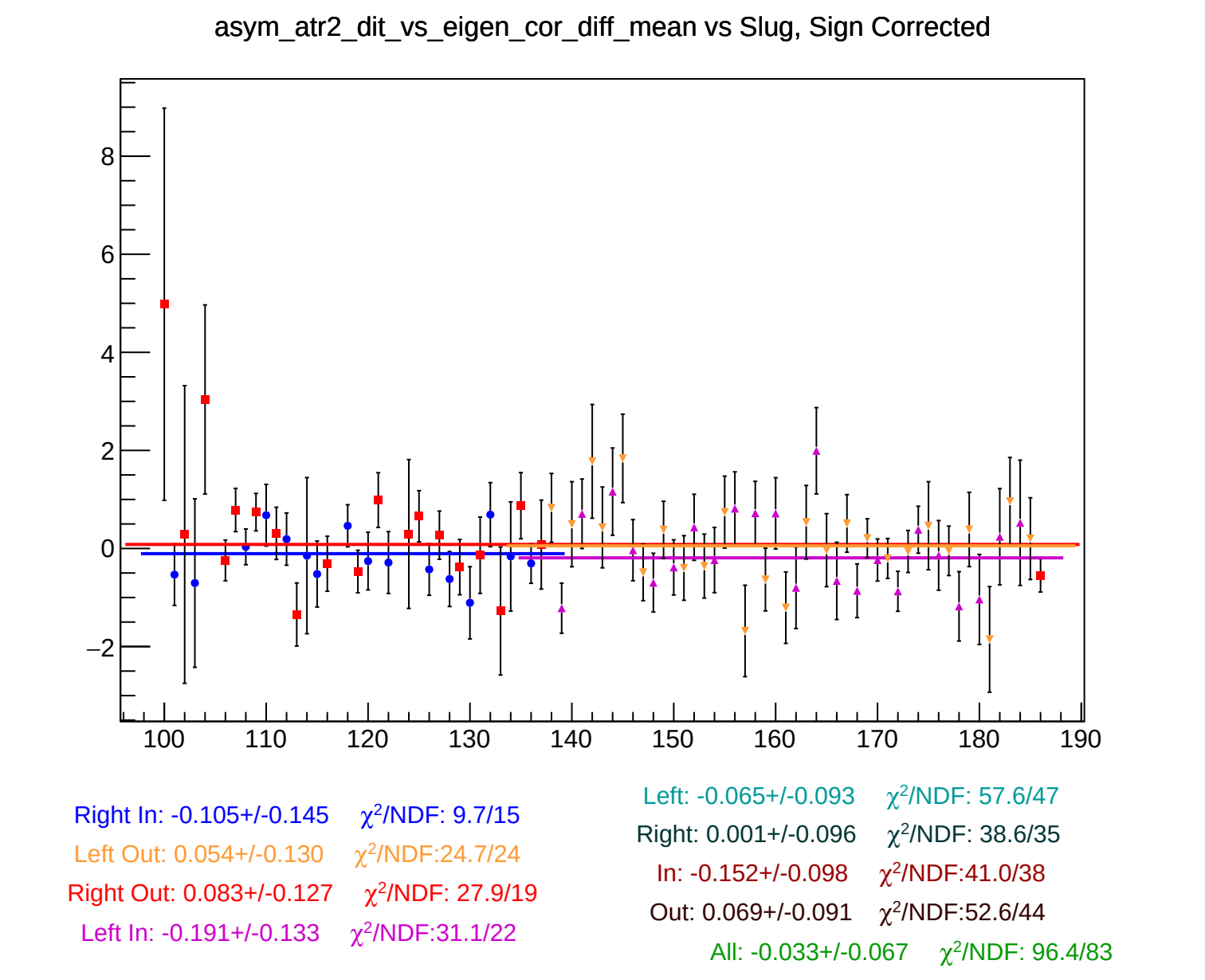
Right: 0.001+/-0.096 χ^2/NDF: 38.6/35

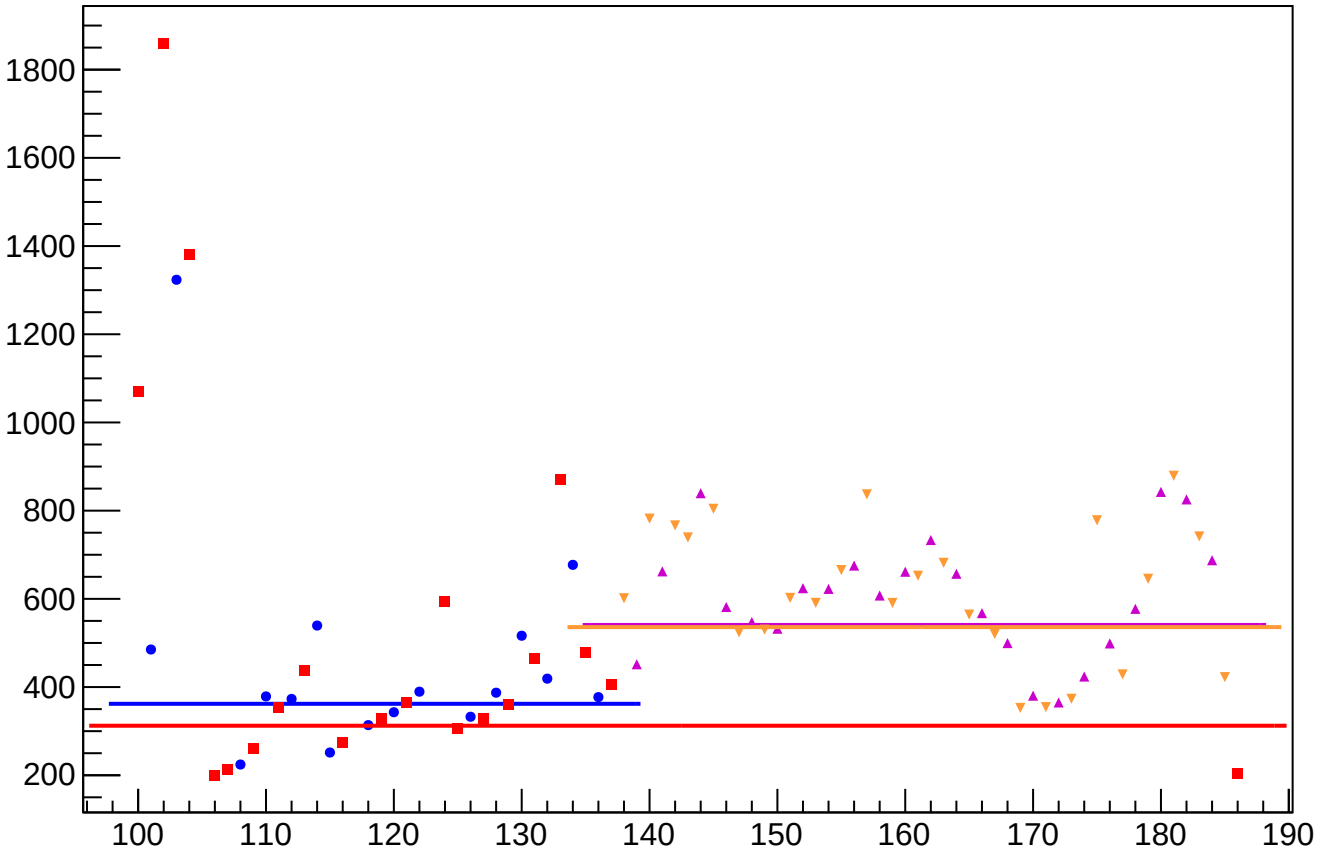
In: -0.152+/-0.098 χ^2/NDF:41.0/38

Out: 0.069+/-0.091 χ^2/NDF:52.6/44

All: -0.033+/-0.067 χ^2/NDF: 96.4/83


asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 362.037+/-0.102 χ²/NDF: 1377330.2/15
Left Out: 535.943+/-0.092 χ²/NDF:2749736.4/24
Right Out: 312.318+/-0.090 χ²/NDF: 2482444.0/19
Left In: 540.804+/-0.094 χ²/NDF:1904998.0/22
Left: 538.306+/-0.066 χ²/NDF: 4656104.0/47
Right: 334.013+/-0.068 χ²/NDF: 3992891.2/35
In: 458.840+/-0.069 χ²/NDF:4935657.7/38
Out: 422.219+/-0.064 χ²/NDF:8265117.1/44
All: 439.137+/-0.047 χ²/NDF: 13351128.4/83


asym_atr2_dit_vs_eigen_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: -0.105+/-0.145 χ²/NDF: 9.7/15
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: 0.001+/-0.096 χ²/NDF: 38.6/35
In: -0.152+/-0.098 χ²/NDF:41.0/38
Out: 0.069+/-0.091 χ²/NDF:52.6/44
All: -0.033+/-0.067 χ²/NDF: 96.4/83



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

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

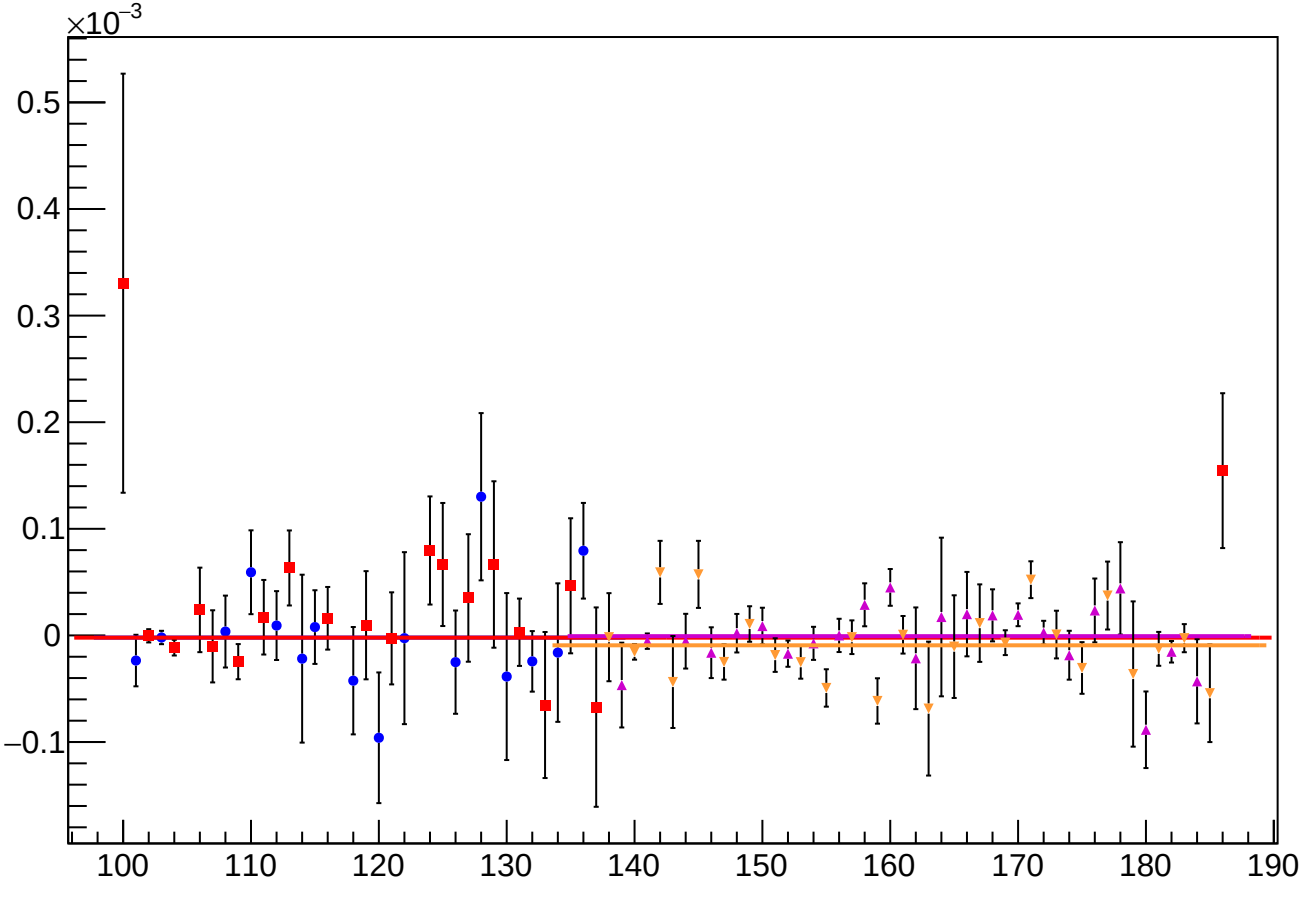
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 334.013+/-0.068 χ^2/NDF: 3992891.2/35

In: 458.840+/-0.069 χ^2/NDF:4935657.7/38

Out: 422.219+/-0.064 χ^2/NDF:8265117.1/44

All: 439.137+/-0.047 χ^2/NDF: 13351128.4/83



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

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

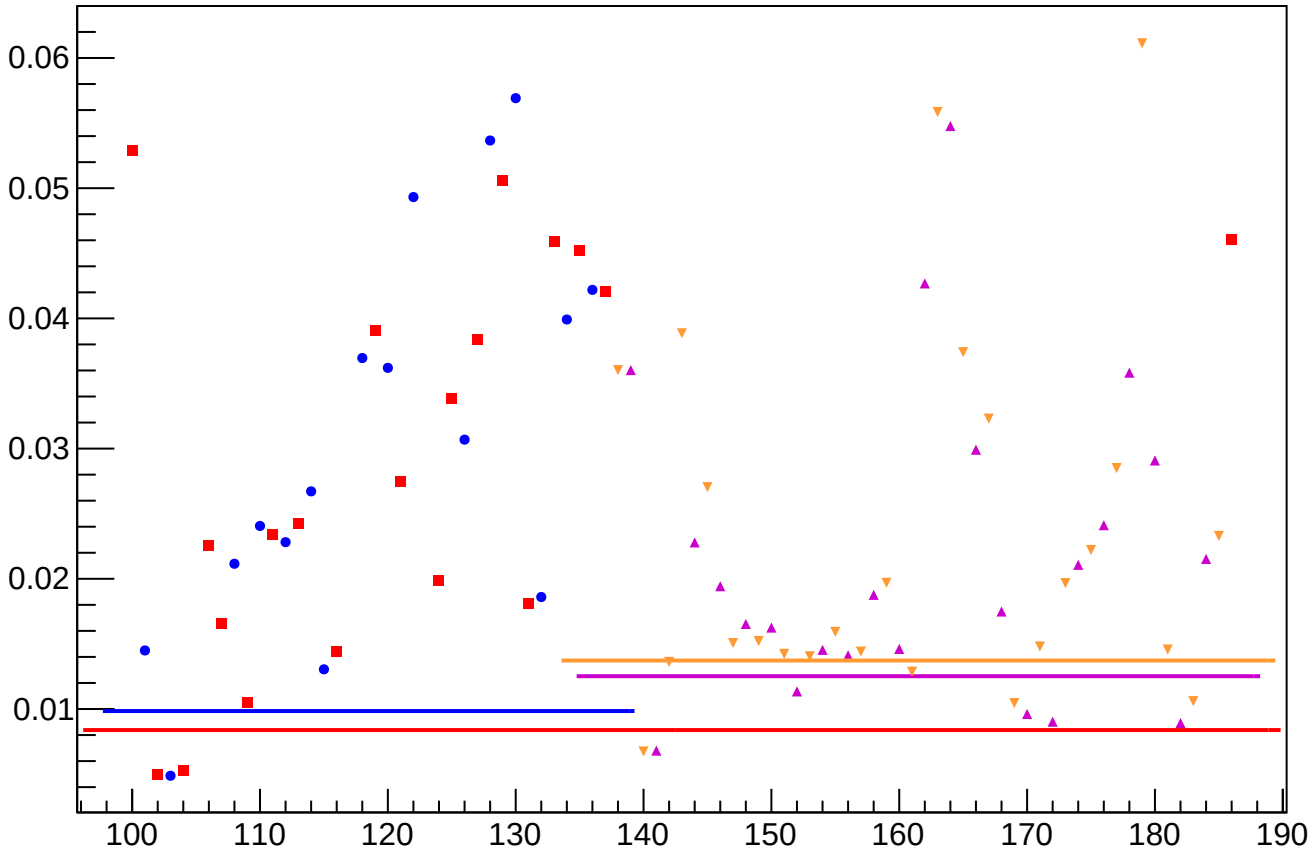
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/35

In: -0.000+/-0.000 χ^2/NDF:43.8/38

Out: -0.000+/-0.000 χ^2/NDF:69.7/44

All: -0.000+/-0.000 χ^2/NDF: 115.2/83



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7281911.8/19

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

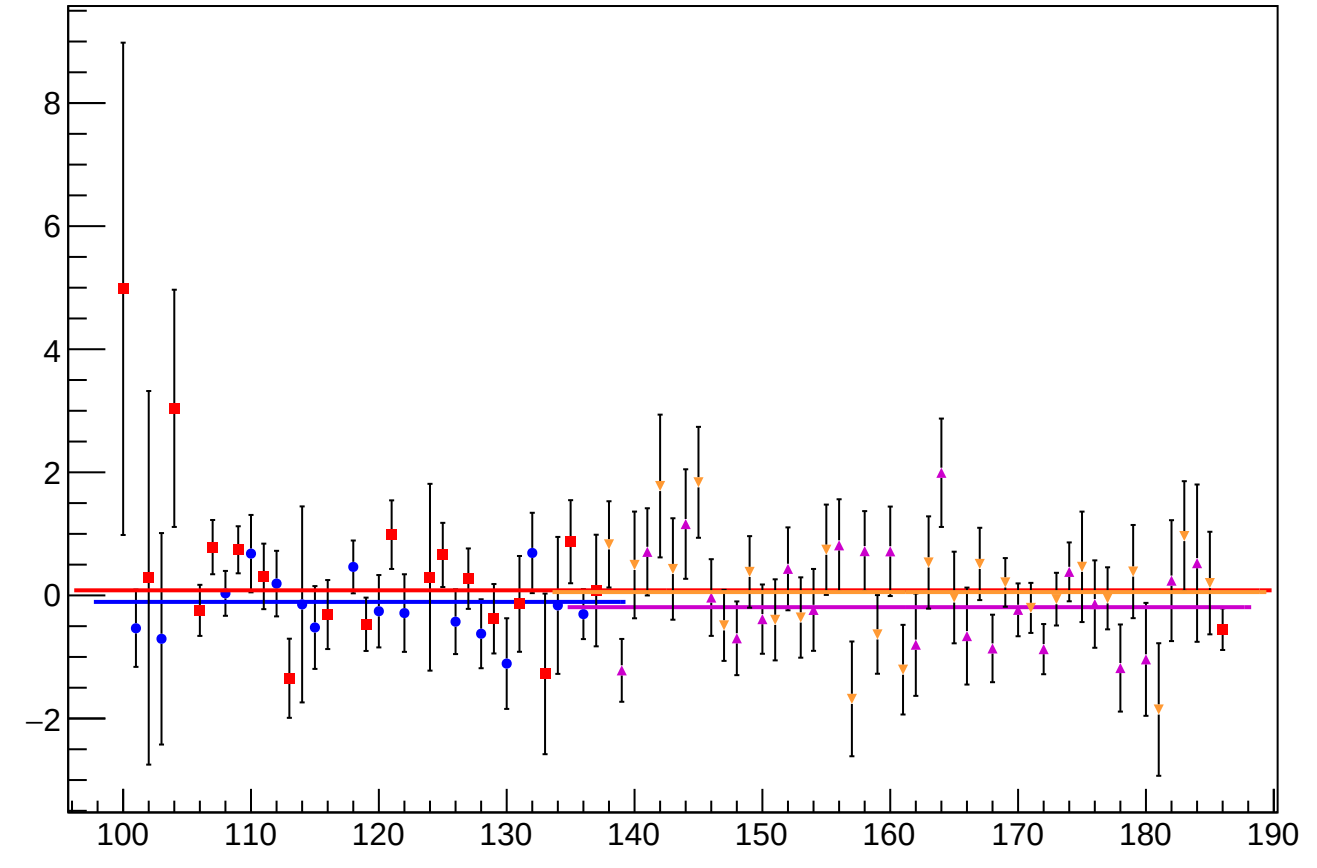
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.009+/-0.000 χ^2/NDF: 14424791.0/35

In: 0.012+/-0.000 χ^2/NDF:14523056.7/38

Out: 0.011+/-0.000 χ^2/NDF:16854392.4/44

All: 0.012+/-0.000 χ^2/NDF: 31386917.0/83



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

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

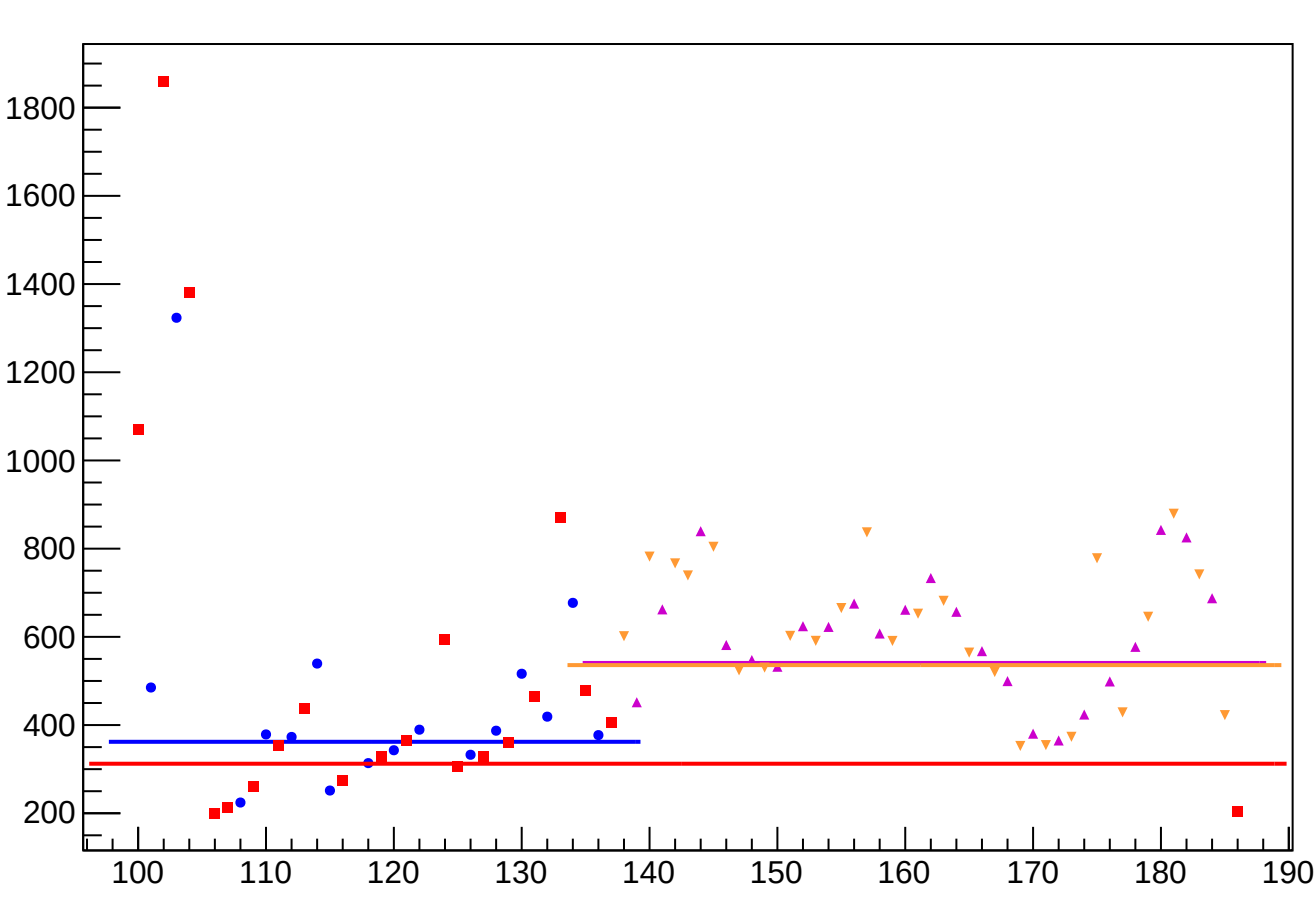
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.001+/-0.096 χ^2/NDF: 38.6/35

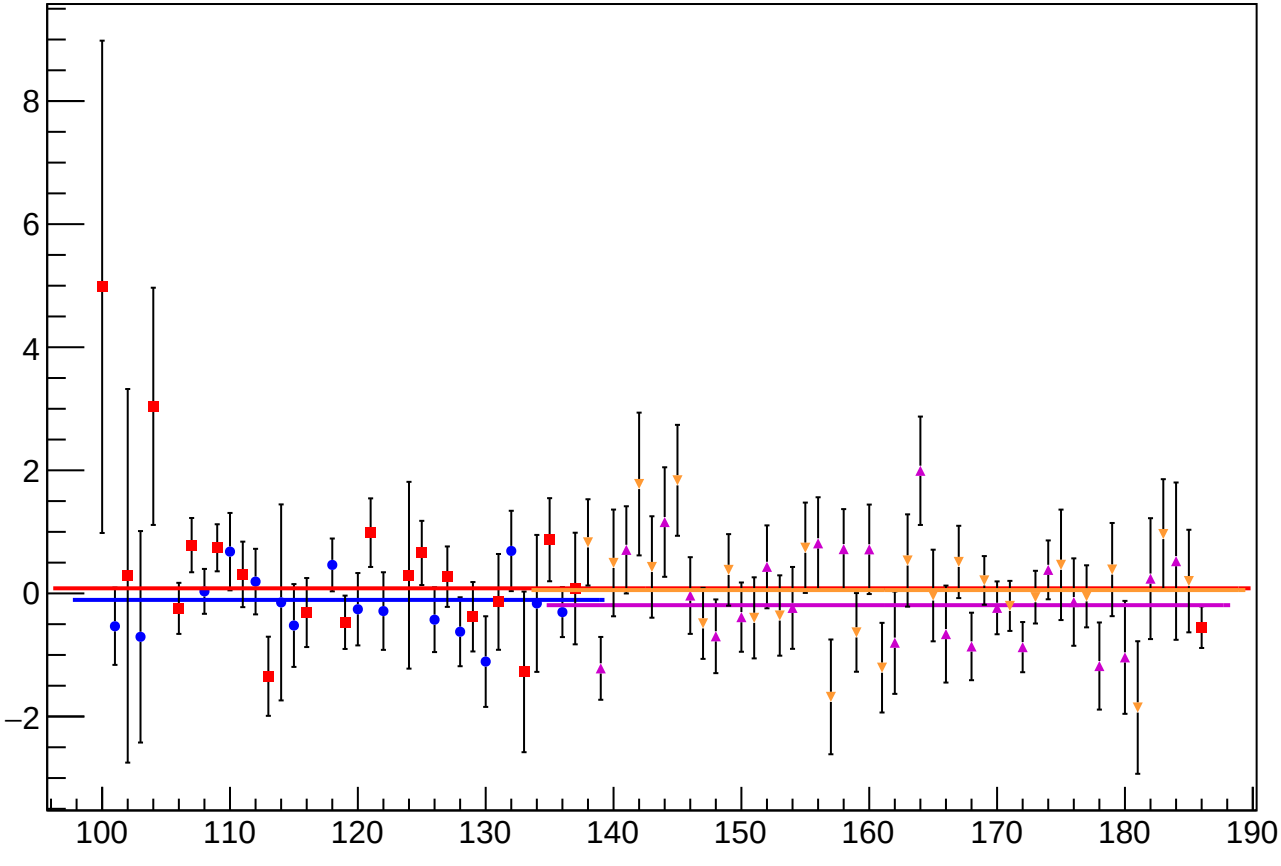
In: -0.152+/-0.098 χ^2/NDF:41.0/38

Out: 0.069+/-0.091 χ^2/NDF:52.6/44

All: -0.033+/-0.067 χ^2/NDF: 96.4/83


asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 362.034+/-0.102 χ²/NDF: 1377333.3/15
Left Out: 535.948+/-0.092 χ²/NDF:2749816.2/24
Right Out: 312.319+/-0.090 χ²/NDF: 2482374.4/19
Left In: 540.809+/-0.094 χ²/NDF:1905035.9/22
Left: 538.311+/-0.066 χ²/NDF: 4656222.0/47
Right: 334.013+/-0.068 χ²/NDF: 3992801.8/35
In: 458.840+/-0.069 χ²/NDF:4935839.9/38
Out: 422.221+/-0.064 χ²/NDF:8265168.8/44
All: 439.139+/-0.047 χ²/NDF: 13351341.8/83

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.054+/-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

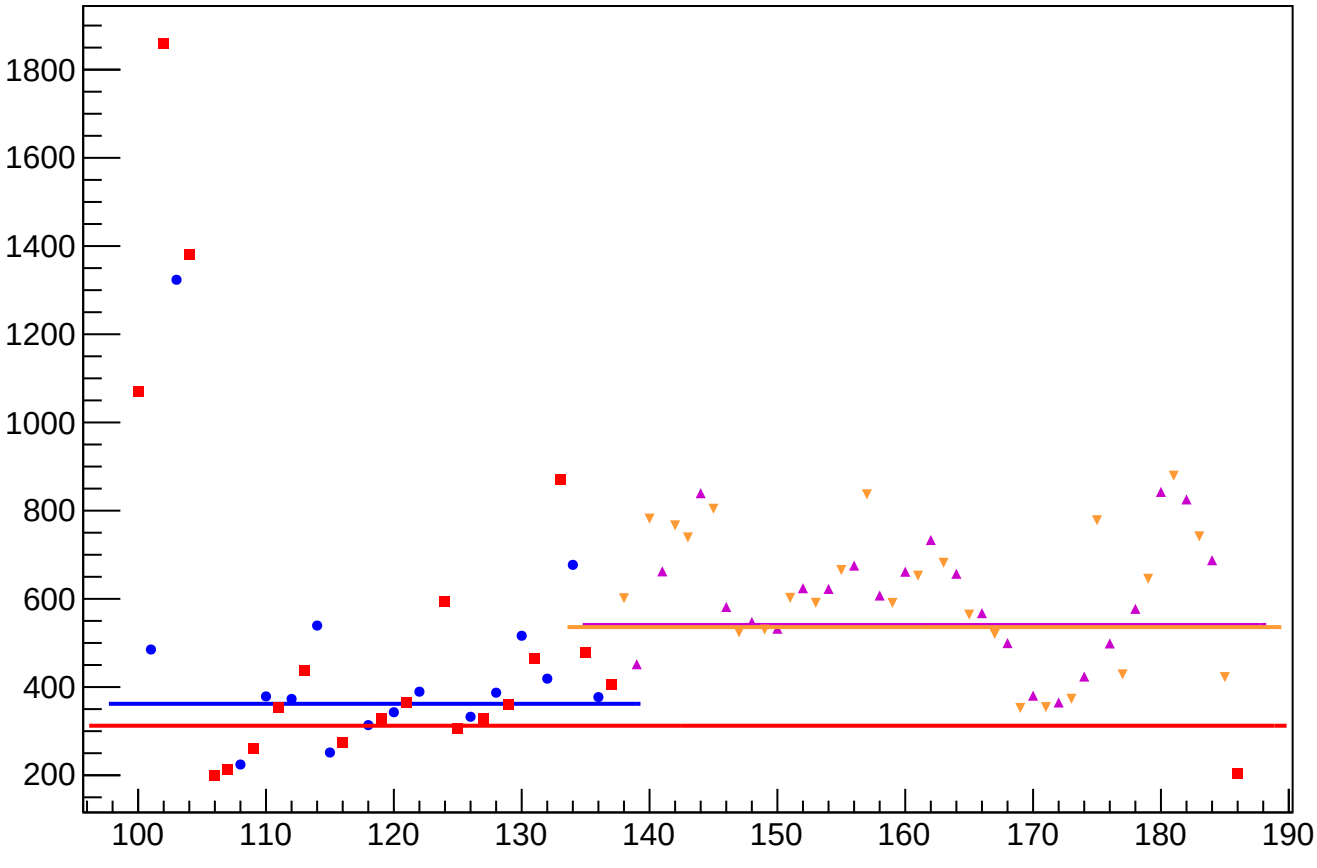
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.001+/-0.096 χ^2/NDF: 38.6/35

In: -0.152+/-0.098 χ^2/NDF:41.0/38

Out: 0.069+/-0.091 χ^2/NDF:52.6/44

All: -0.033+/-0.067 χ^2/NDF: 96.4/83



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

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

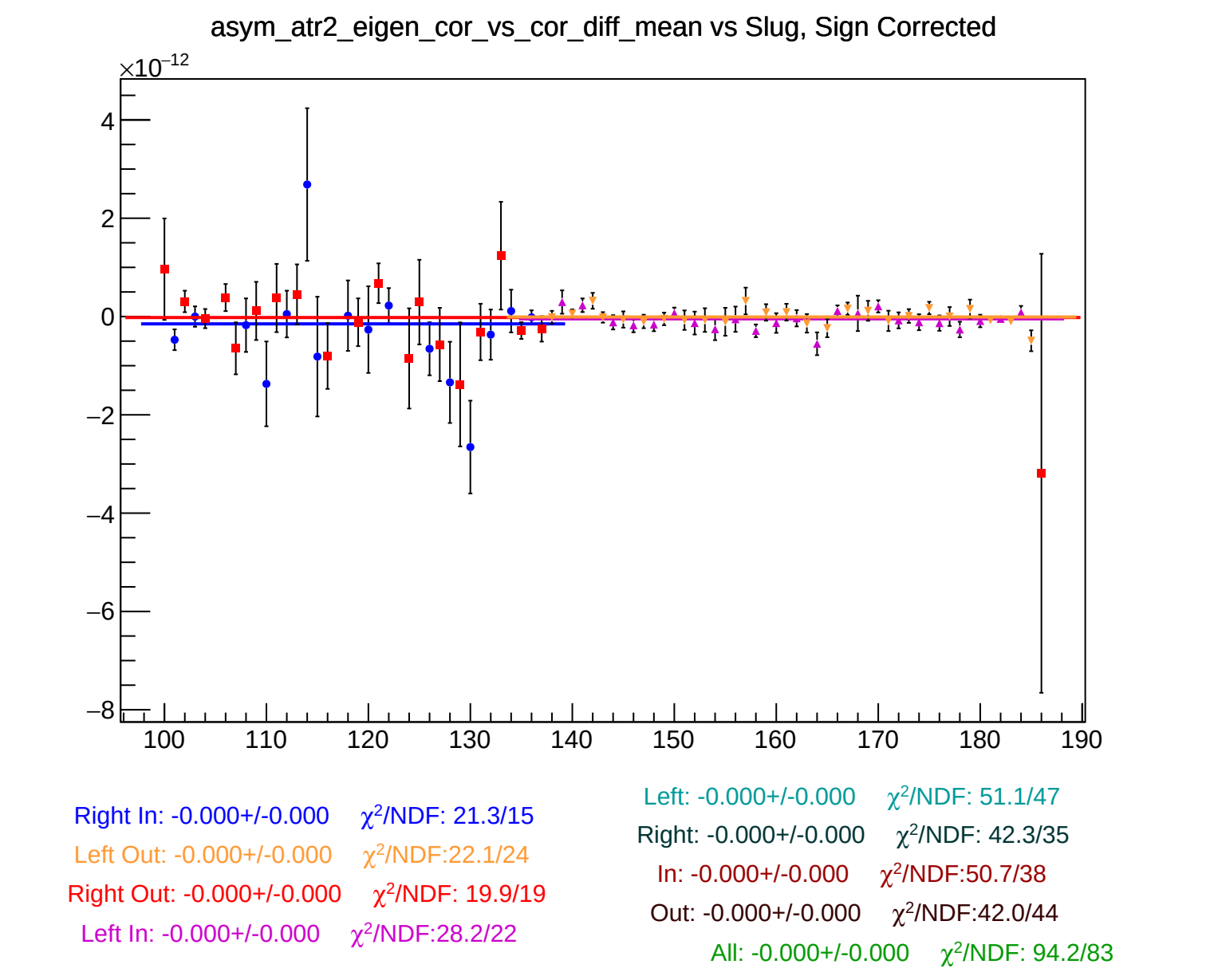
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

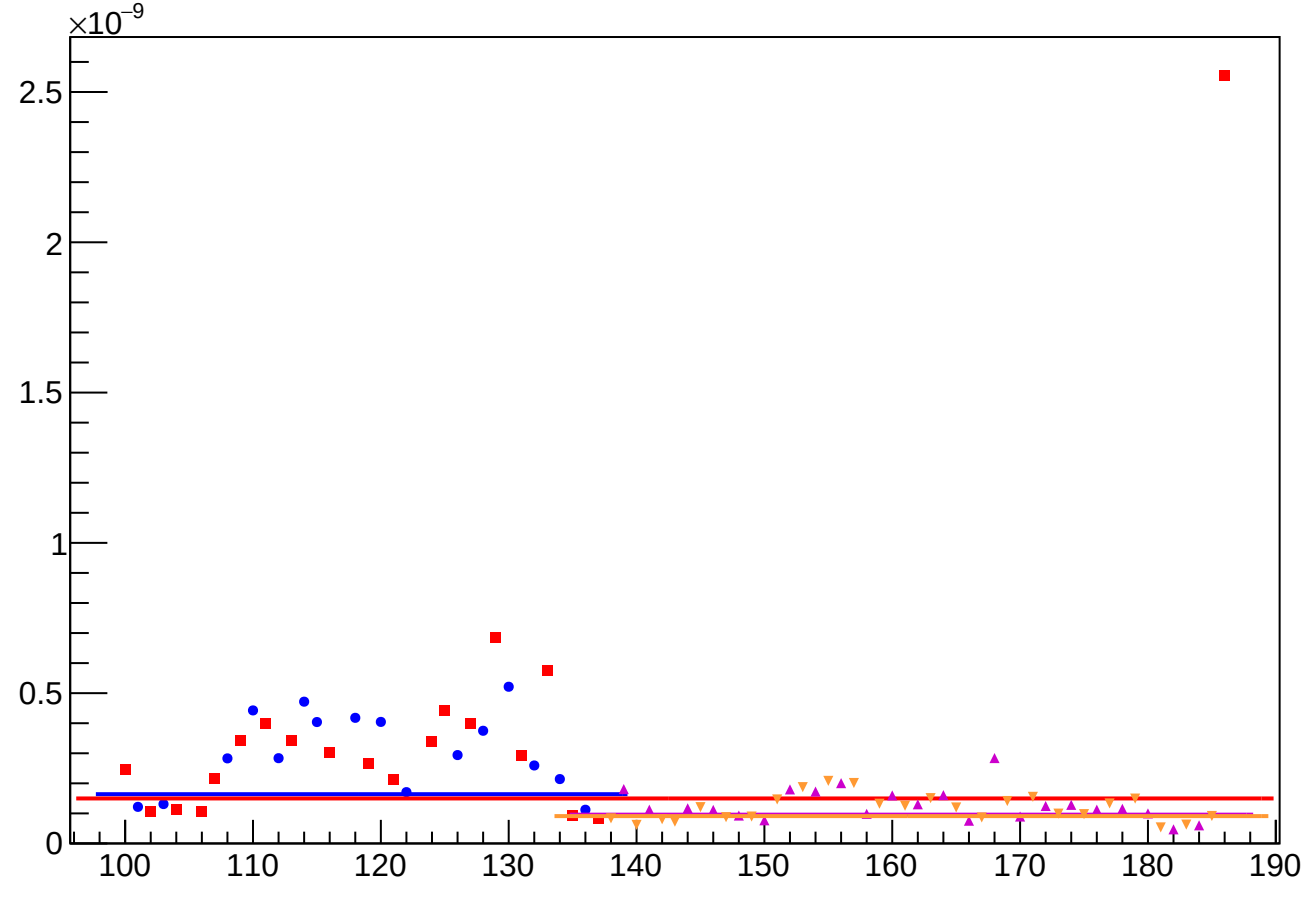
Right: 334.013+/-0.068 χ^2/NDF: 3992801.8/35

In: 458.840+/-0.069 χ^2/NDF:4935839.9/38

Out: 422.221+/-0.064 χ^2/NDF:8265168.8/44

All: 439.139+/-0.047 χ^2/NDF: 13351341.8/83


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: 21.3/15
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: 42.3/35
In: -0.000+/-0.000 χ²/NDF:50.7/38
Out: -0.000+/-0.000 χ²/NDF:42.0/44
All: -0.000+/-0.000 χ²/NDF: 94.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

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

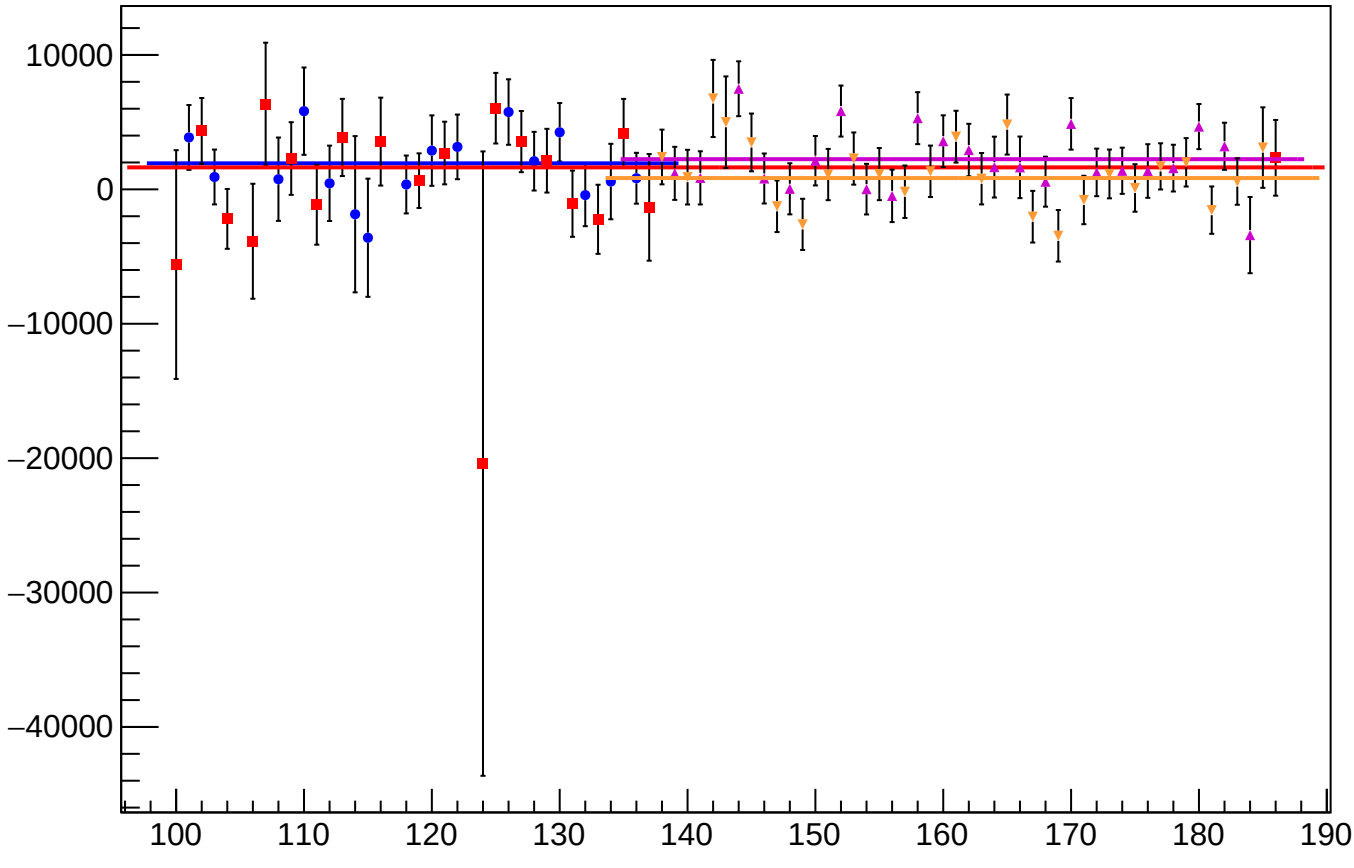
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5465115.2/35

In: 0.000+/-0.000 χ^2/NDF:7012216.7/38

Out: 0.000+/-0.000 χ^2/NDF:7685763.9/44

All: 0.000+/-0.000 χ^2/NDF: 14745380.8/83



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

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

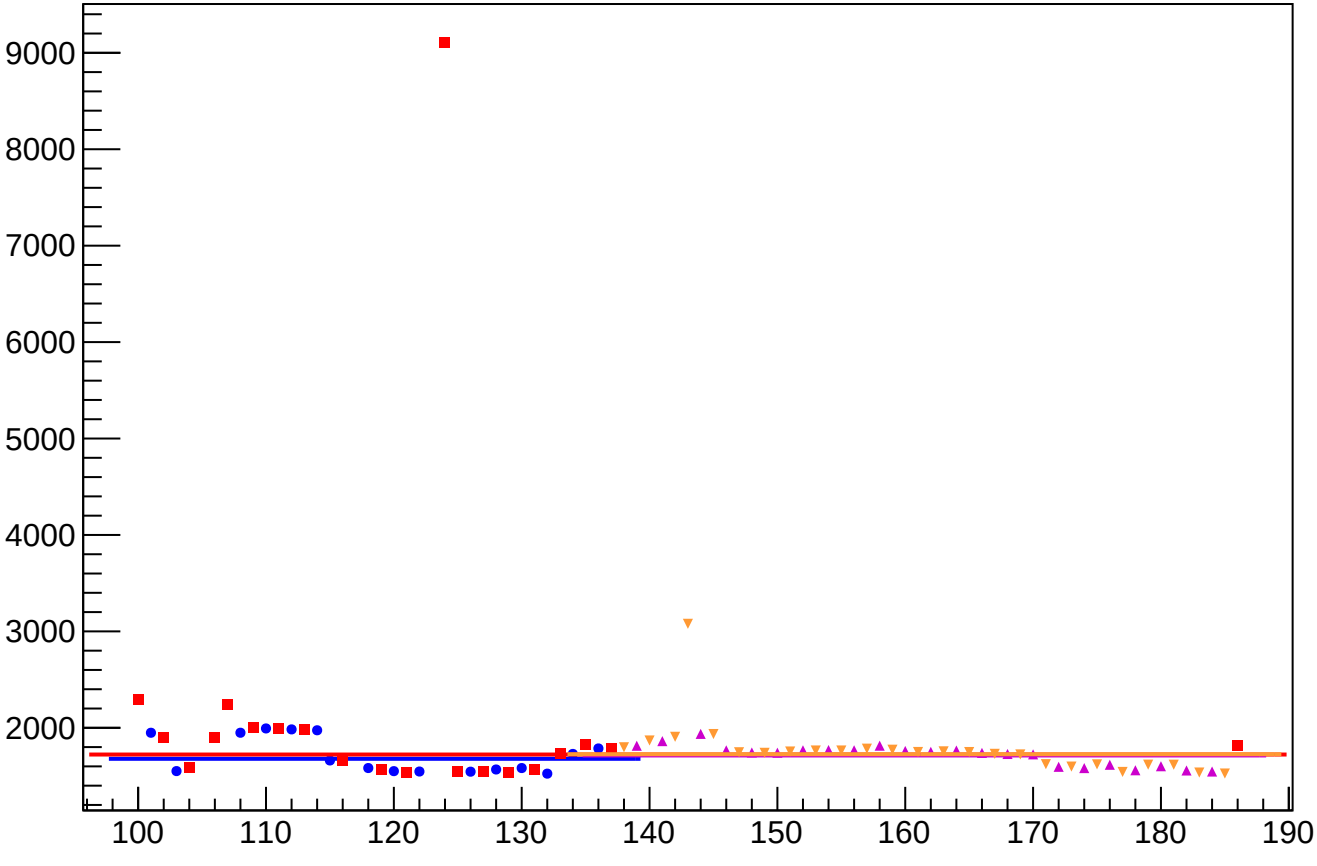
Right: 1784.418+/-443.358 χ^2/NDF: 30.5/35

In: 2155.225+/-337.808 χ^2/NDF:40.5/38

Out: 1066.966+/-333.741 χ^2/NDF:51.0/44

All: 1604.504+/-237.415 χ^2/NDF: 96.7/83

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

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

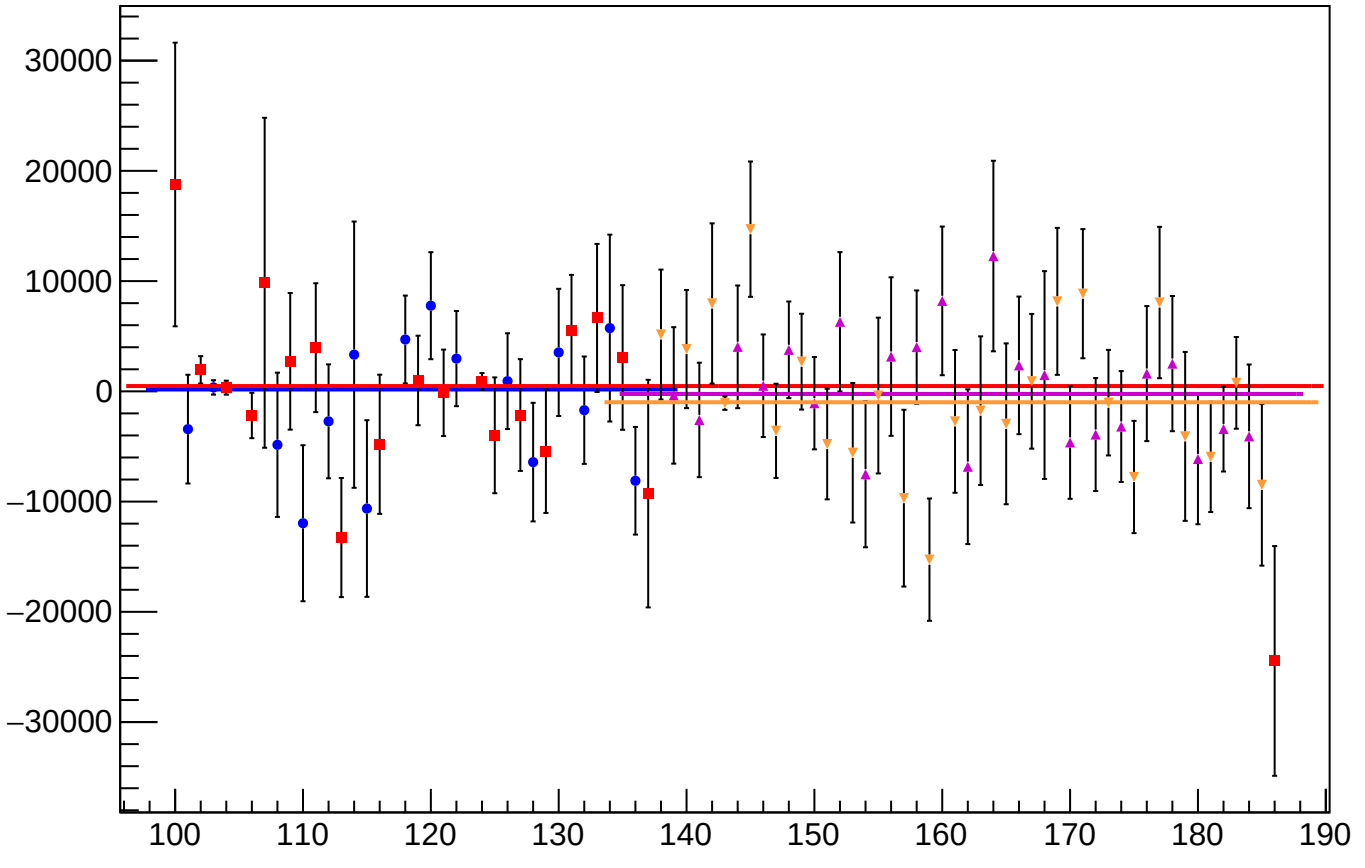
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1700.879+/-0.313 χ^2/NDF: 531784.8/35

In: 1703.136+/-0.239 χ^2/NDF:275091.9/38

Out: 1725.153+/-0.236 χ^2/NDF:840244.2/44

All: 1714.292+/-0.168 χ^2/NDF: 1119640.7/83



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

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

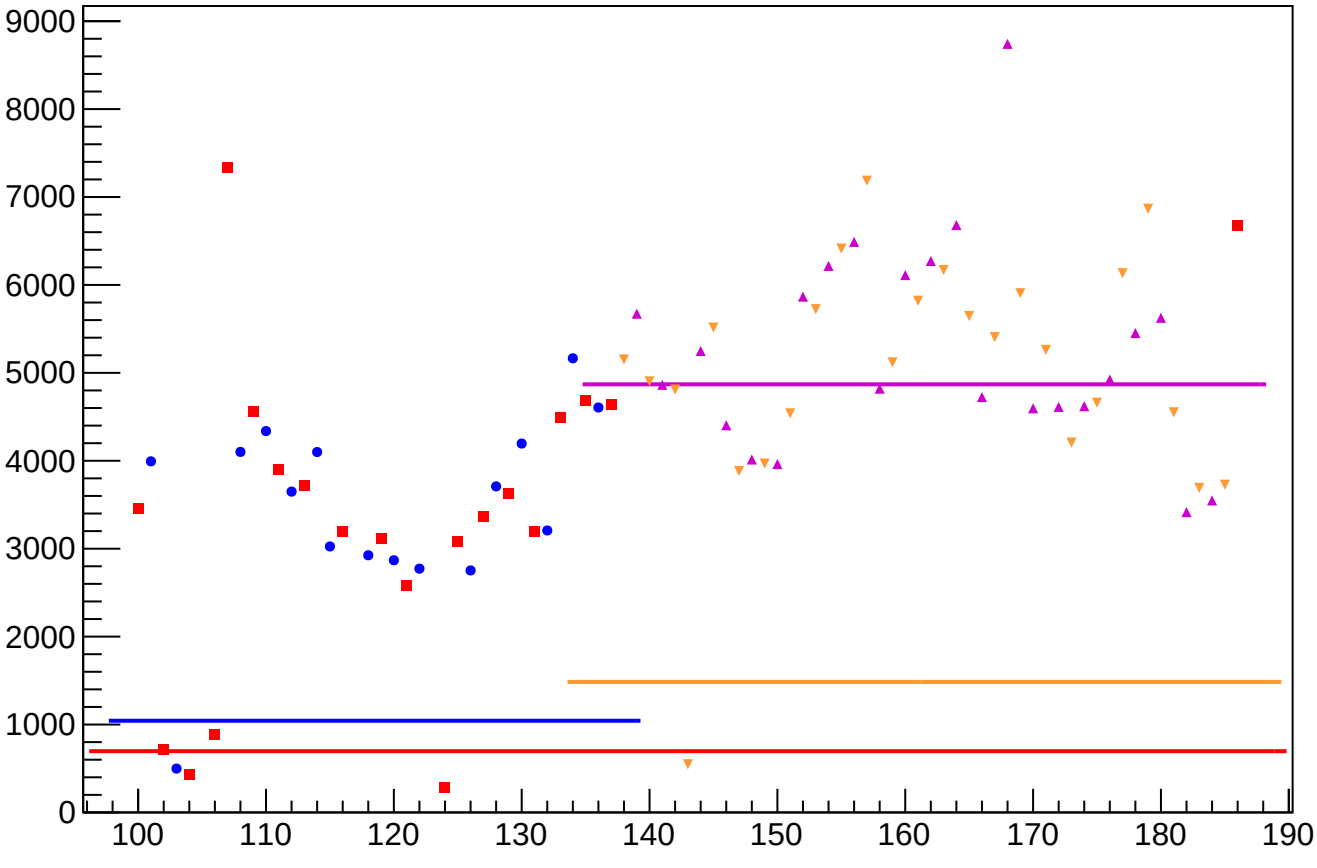
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 373.843+/-344.861 χ^2/NDF: 40.3/35

In: 84.671+/-527.494 χ^2/NDF:29.5/38

Out: -79.052+/-333.988 χ^2/NDF:59.6/44

All: -32.200+/-282.182 χ^2/NDF: 89.2/83



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

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

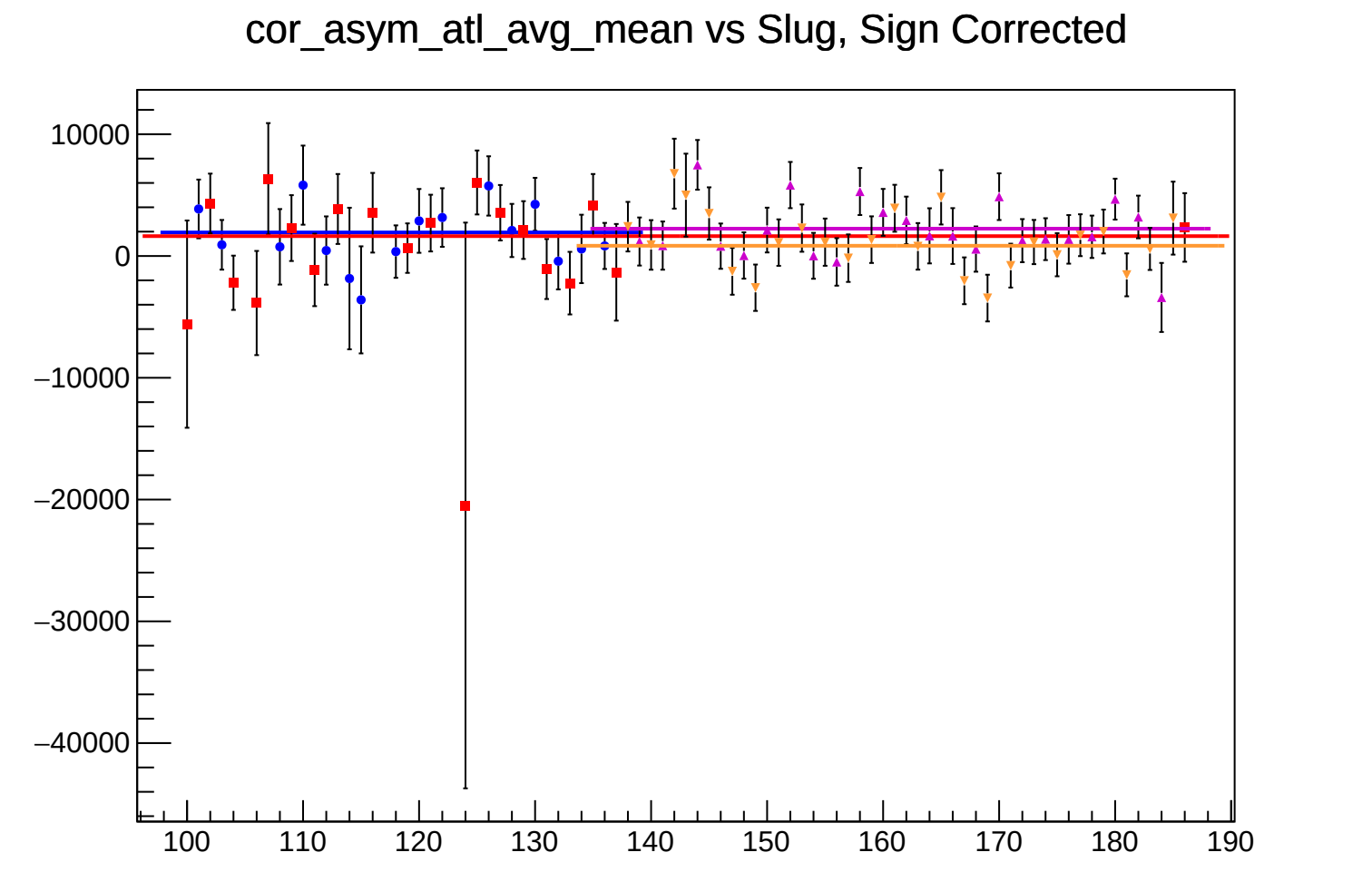
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 814.785+/-0.244 χ^2/NDF: 17854121.9/35

In: 1827.558+/-0.373 χ^2/NDF:26738960.1/38

Out: 997.047+/-0.236 χ^2/NDF:35136286.6/44

All: 1234.714+/-0.200 χ^2/NDF: 65414252.6/8



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

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

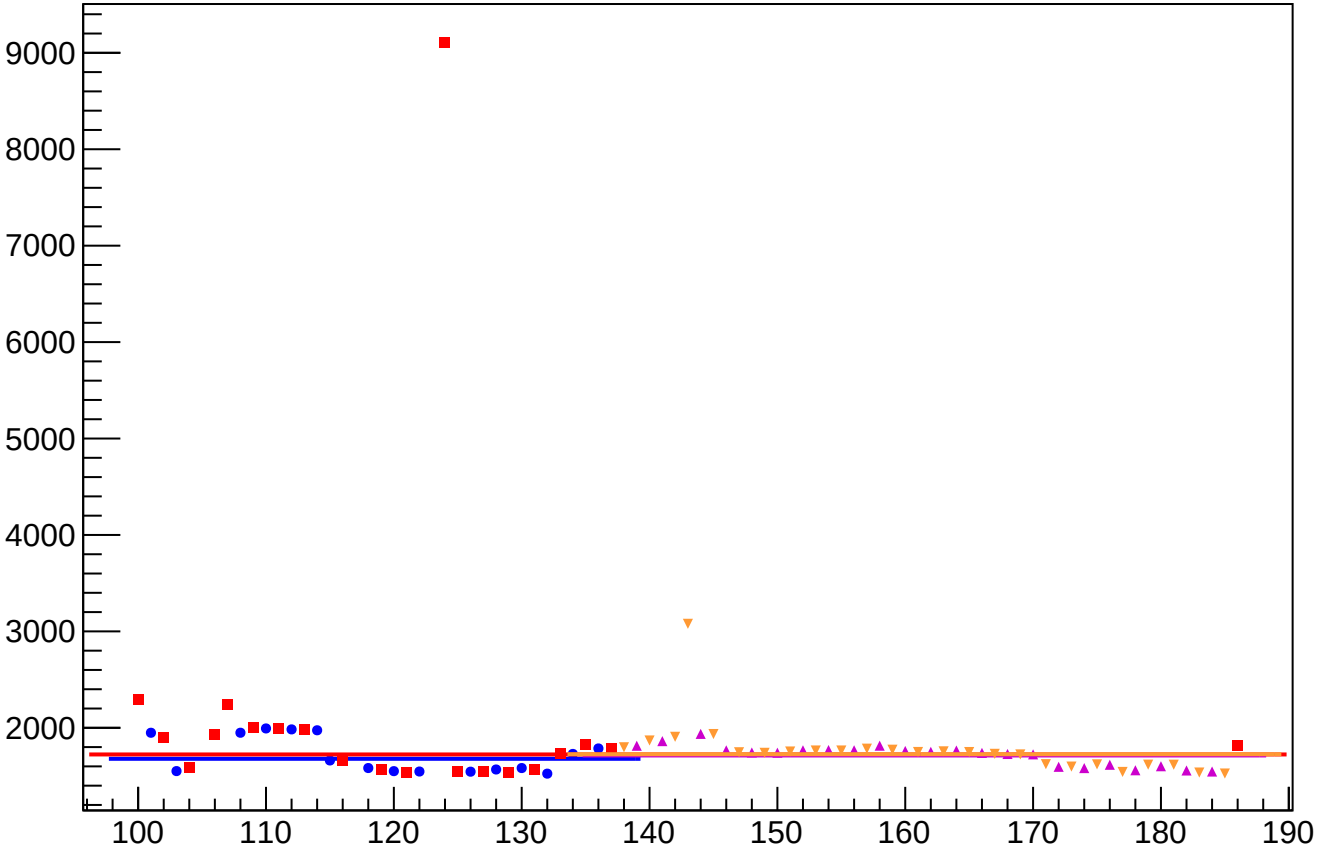
Right: 1783.309+/-443.360 χ^2/NDF: 30.4/35

In: 2155.272+/-337.808 χ^2/NDF:40.5/38

Out: 1066.296+/-333.742 χ^2/NDF:51.0/44

All: 1604.190+/-237.416 χ^2/NDF: 96.7/83

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

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

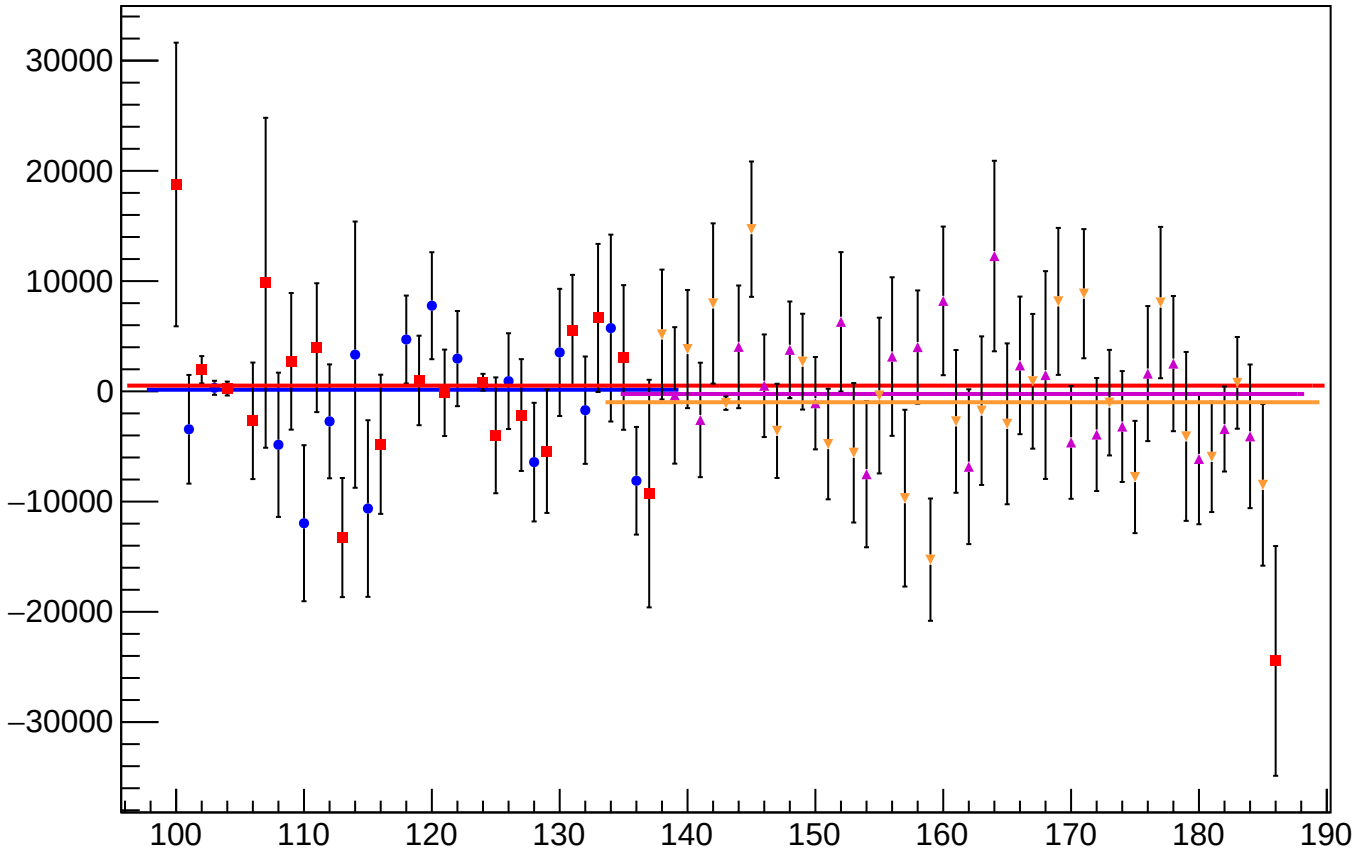
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.270+/-0.313 χ^2/NDF: 533670.6/35

In: 1703.136+/-0.239 χ^2/NDF:275091.9/38

Out: 1725.382+/-0.236 χ^2/NDF:841933.6/44

All: 1714.407+/-0.168 χ^2/NDF: 1121419.5/83



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

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

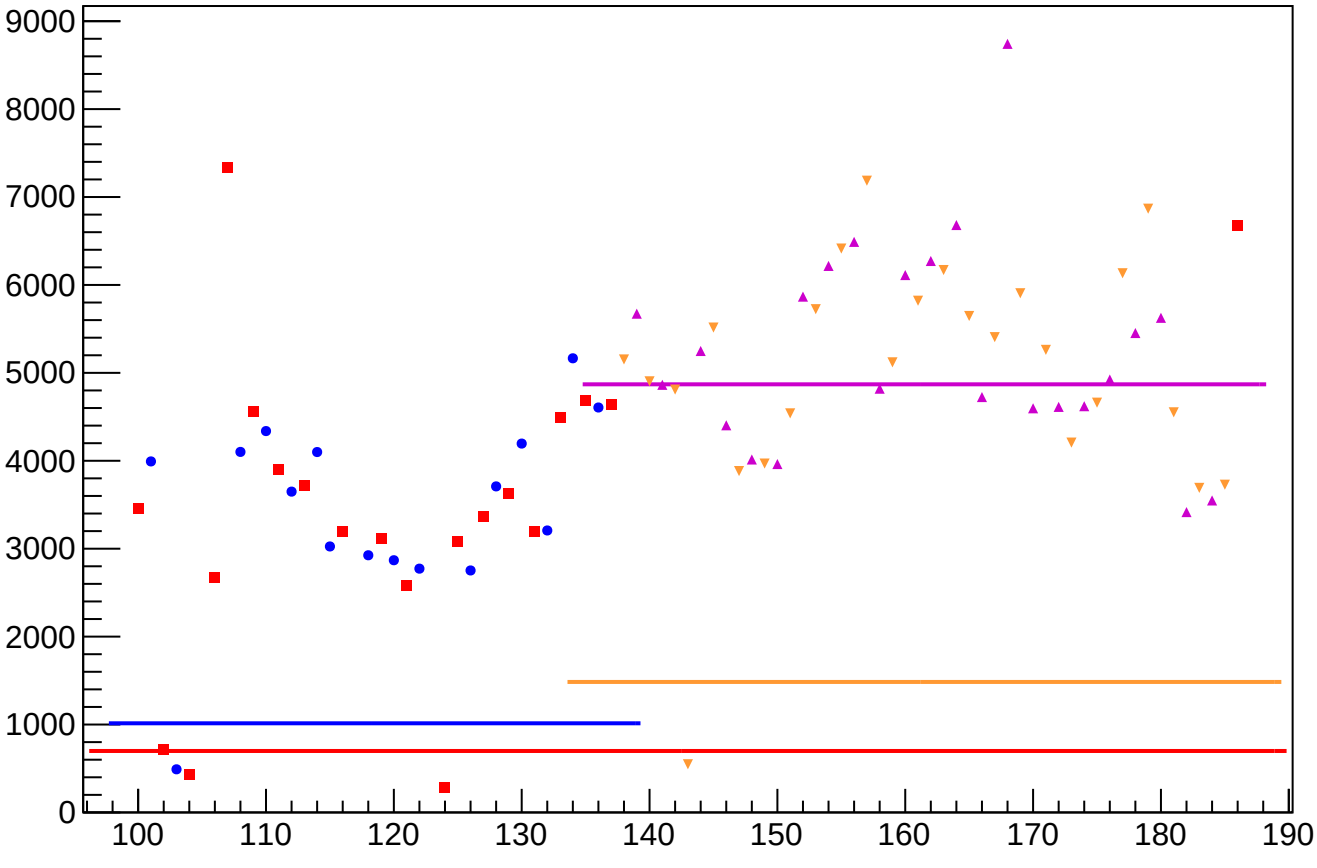
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 386.478+/-345.419 χ^2/NDF: 39.0/35

In: 70.014+/-518.755 χ^2/NDF:29.4/38

Out: -64.411+/-336.800 χ^2/NDF:58.5/44

All: -24.550+/-282.485 χ^2/NDF: 88.0/83



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

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

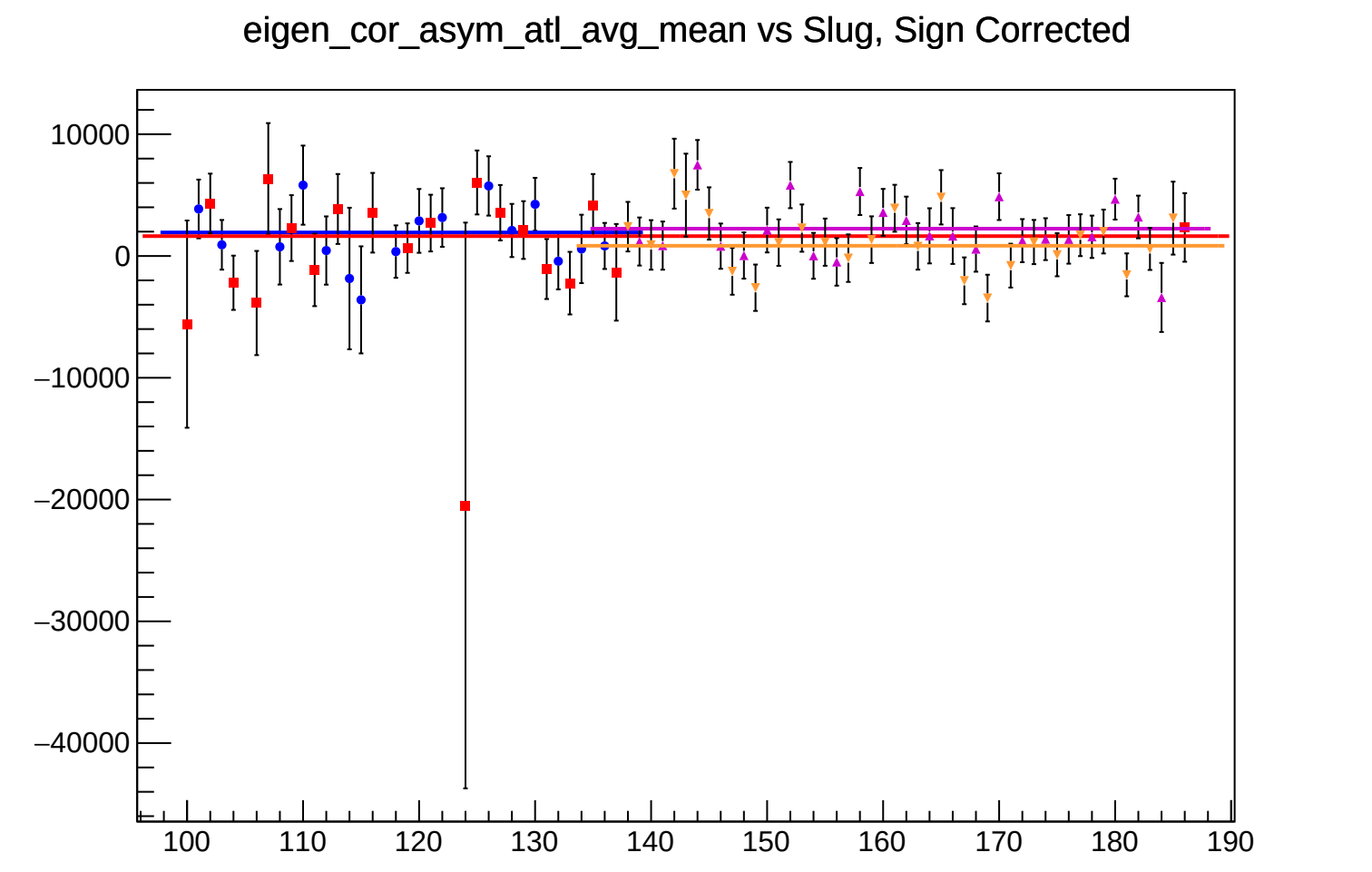
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 811.175+/-0.244 χ^2/NDF: 18173077.6/35

In: 1778.513+/-0.367 χ^2/NDF:27258799.1/38

Out: 1003.328+/-0.238 χ^2/NDF:35374503.8/44

All: 1233.192+/-0.200 χ^2/NDF: 65774989.3/8



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

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

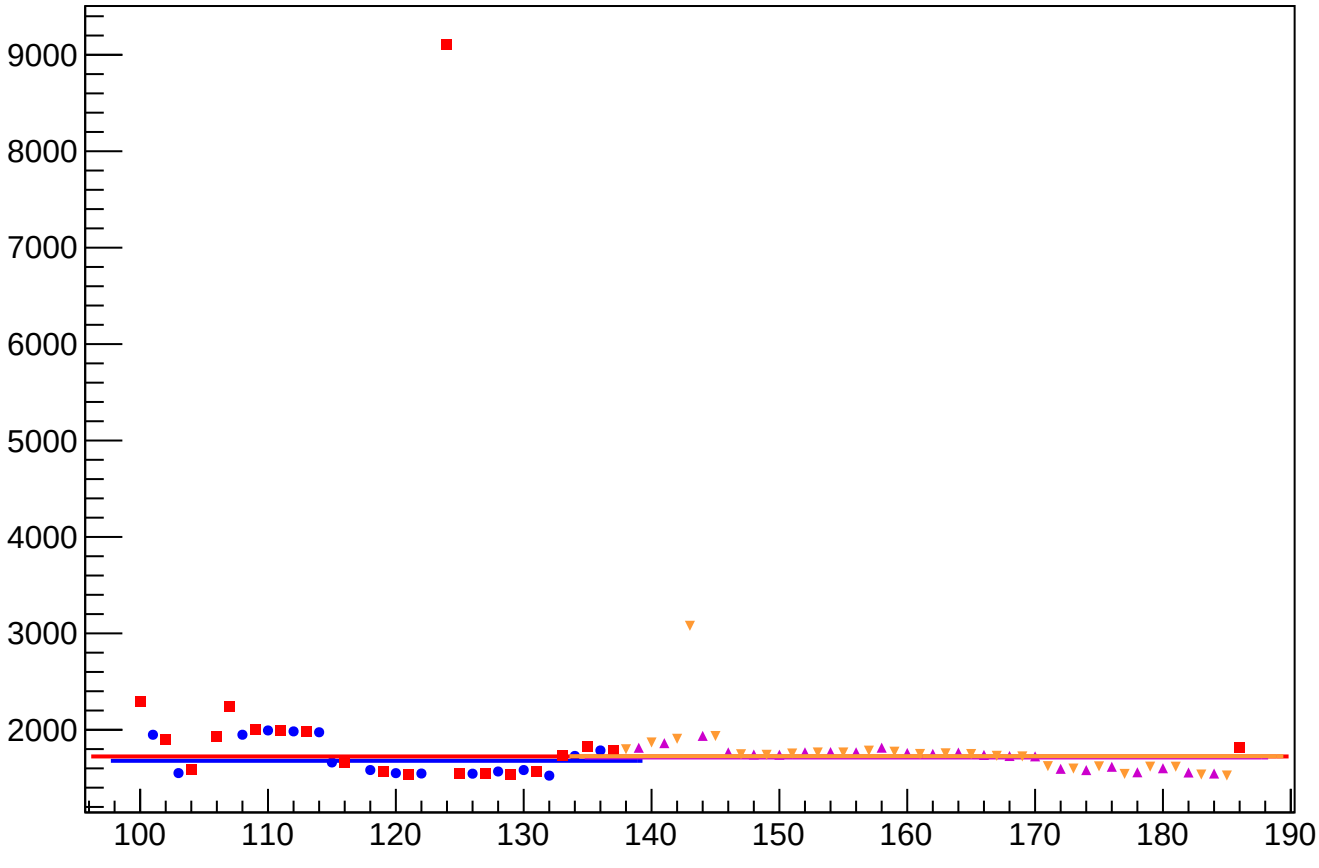
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1783.309+/-443.360 χ^2/NDF: 30.4/35

In: 2155.272+/-337.808 χ^2/NDF:40.5/38

Out: 1066.296+/-333.742 χ^2/NDF:51.0/44

All: 1604.190+/-237.416 χ^2/NDF: 96.7/83



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

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

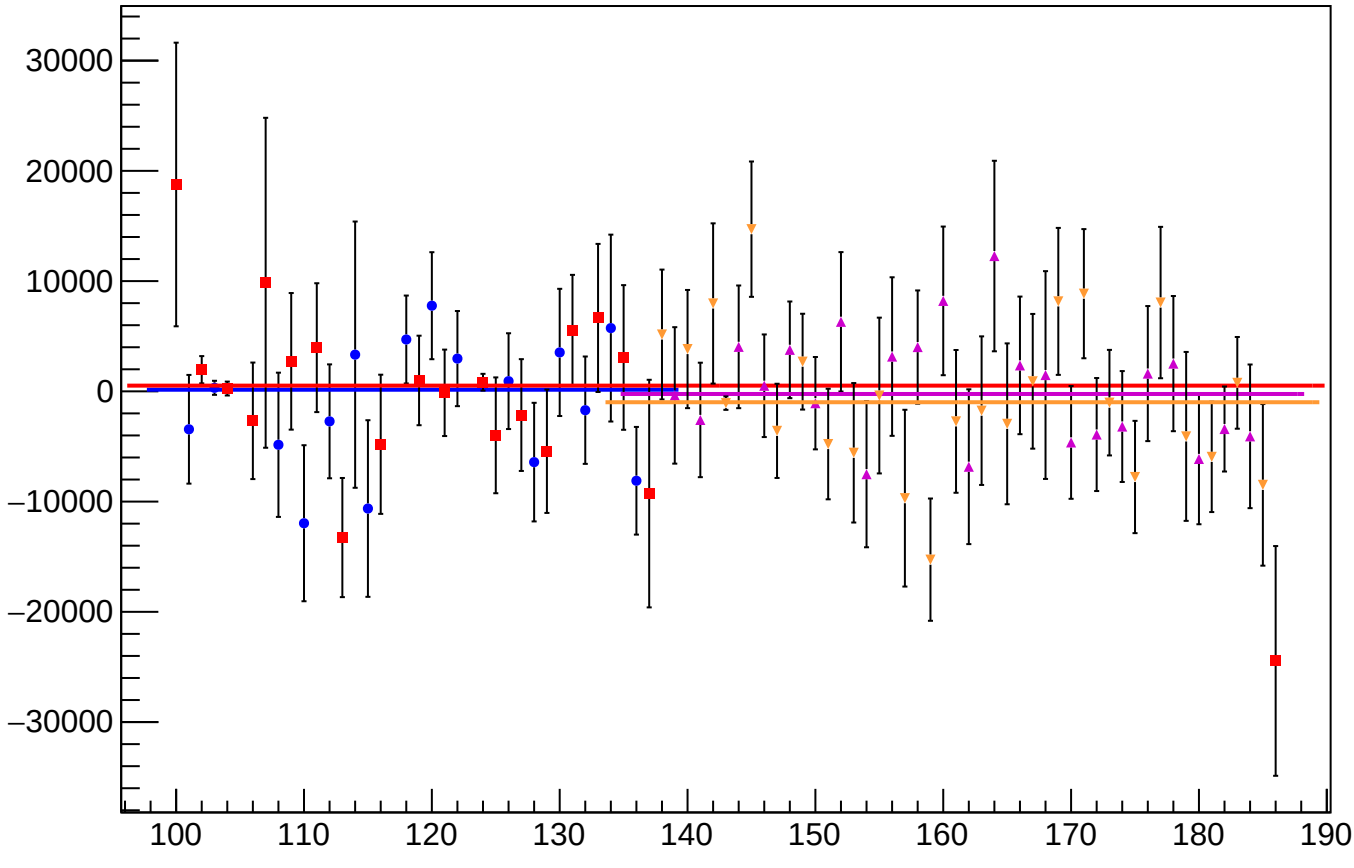
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.270+/-0.313 χ^2/NDF: 533670.6/35

In: 1703.136+/-0.239 χ^2/NDF:275091.9/38

Out: 1725.382+/-0.236 χ^2/NDF:841933.6/44

All: 1714.407+/-0.168 χ^2/NDF: 1121419.5/83



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

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

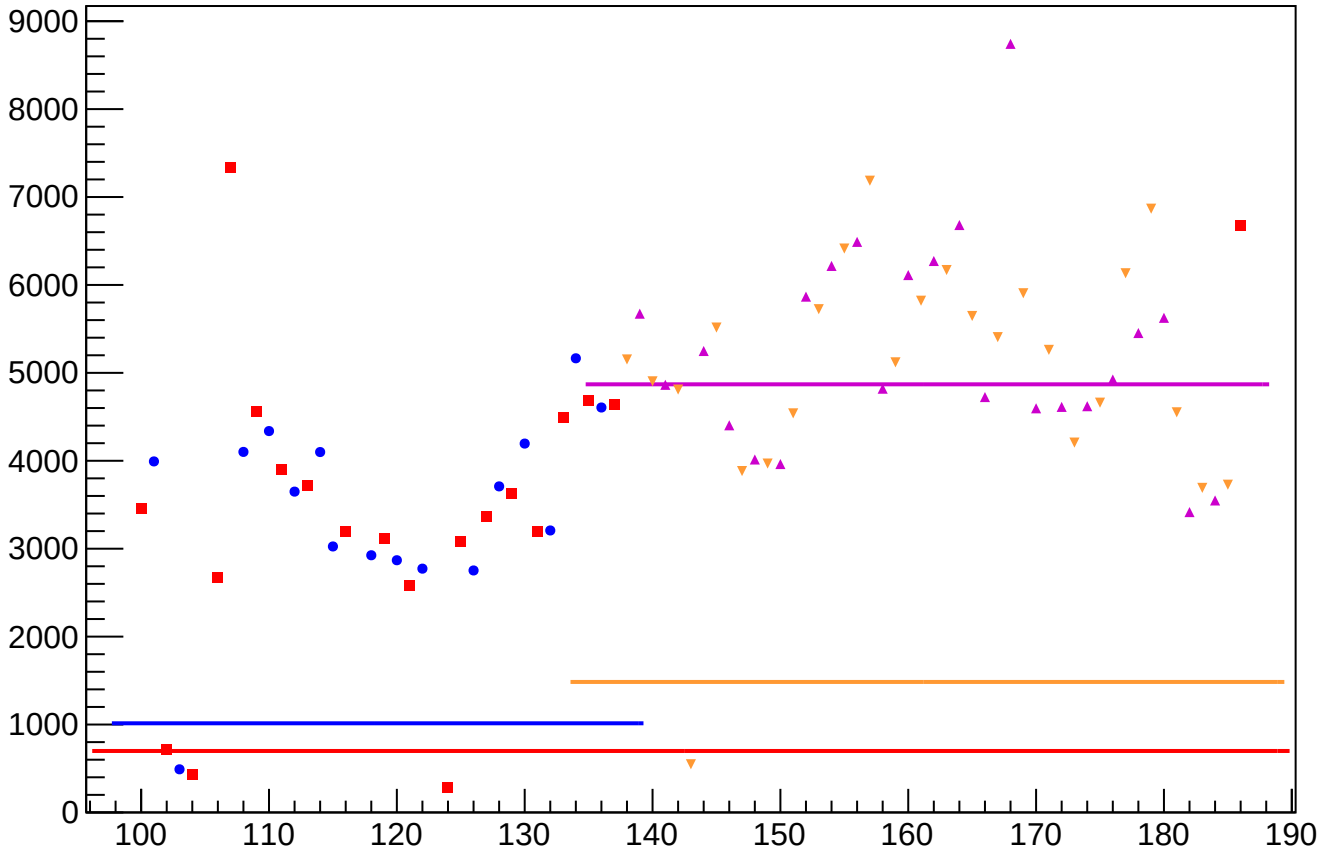
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 386.478+/-345.419 χ^2/NDF: 39.0/35

In: 70.014+/-518.755 χ^2/NDF:29.4/38

Out: -64.411+/-336.800 χ^2/NDF:58.5/44

All: -24.550+/-282.485 χ^2/NDF: 88.0/83



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

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

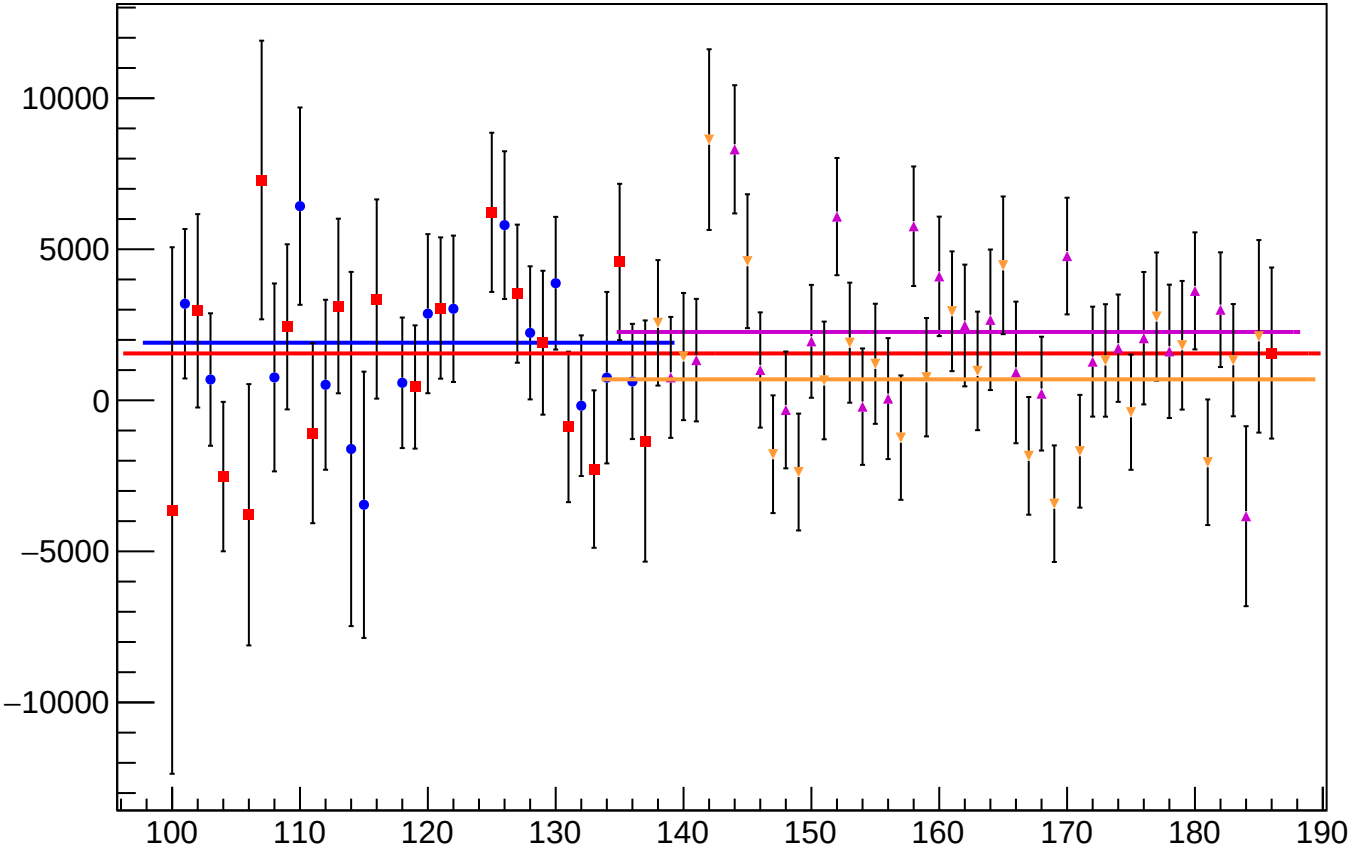
Right: 811.175+/-0.244 χ^2/NDF: 18173077.6/35

In: 1778.513+/-0.367 χ^2/NDF:27258799.1/38

Out: 1003.328+/-0.238 χ^2/NDF:35374503.8/44

All: 1233.192+/-0.200 χ^2/NDF: 65774989.3/8

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

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

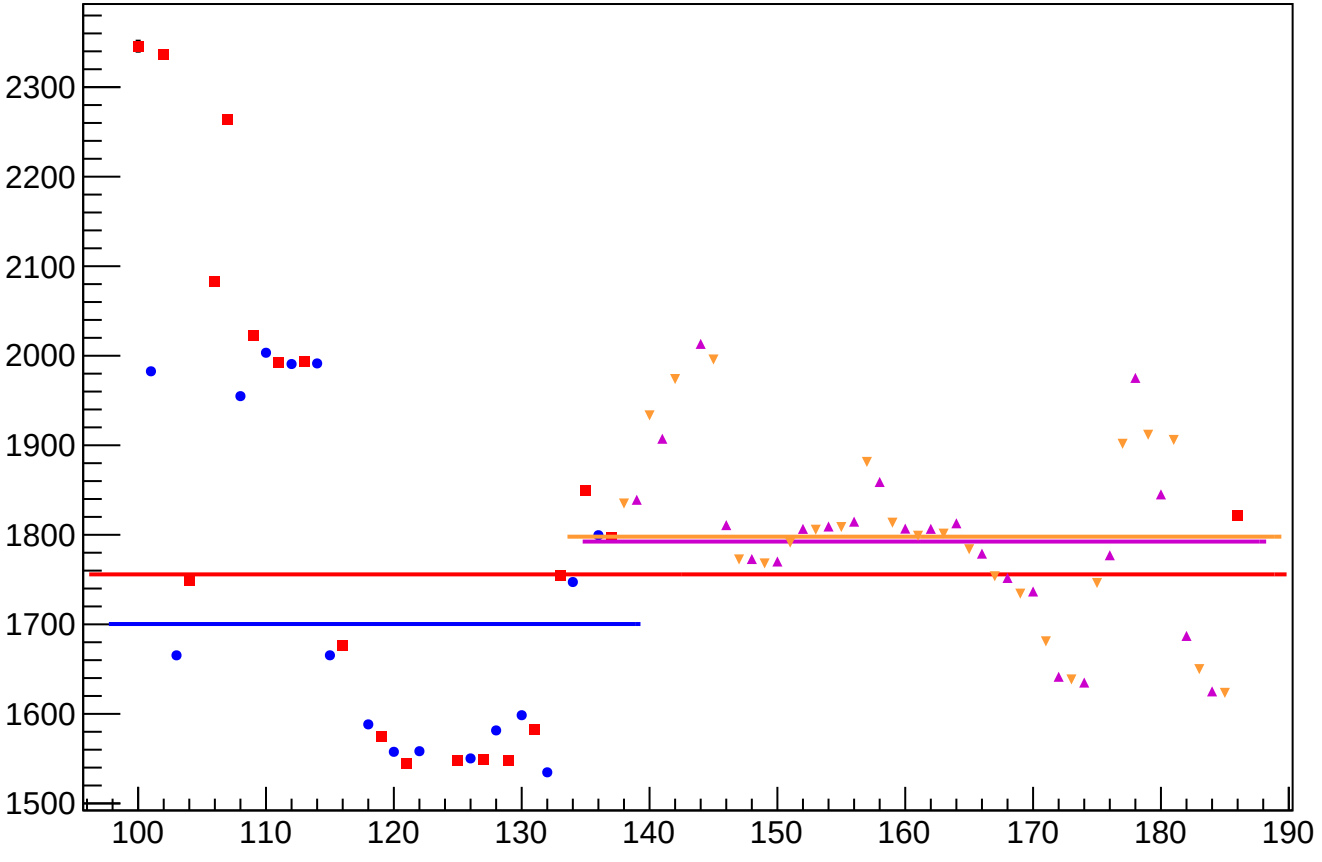
Right: 1730.963+/-452.589 χ^2/NDF: 27.8/34

In: 2154.191+/-350.069 χ^2/NDF:40.9/38

Out: 948.634+/-350.607 χ^2/NDF:50.9/42

All: 1552.340+/-247.726 χ^2/NDF: 97.7/81

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

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

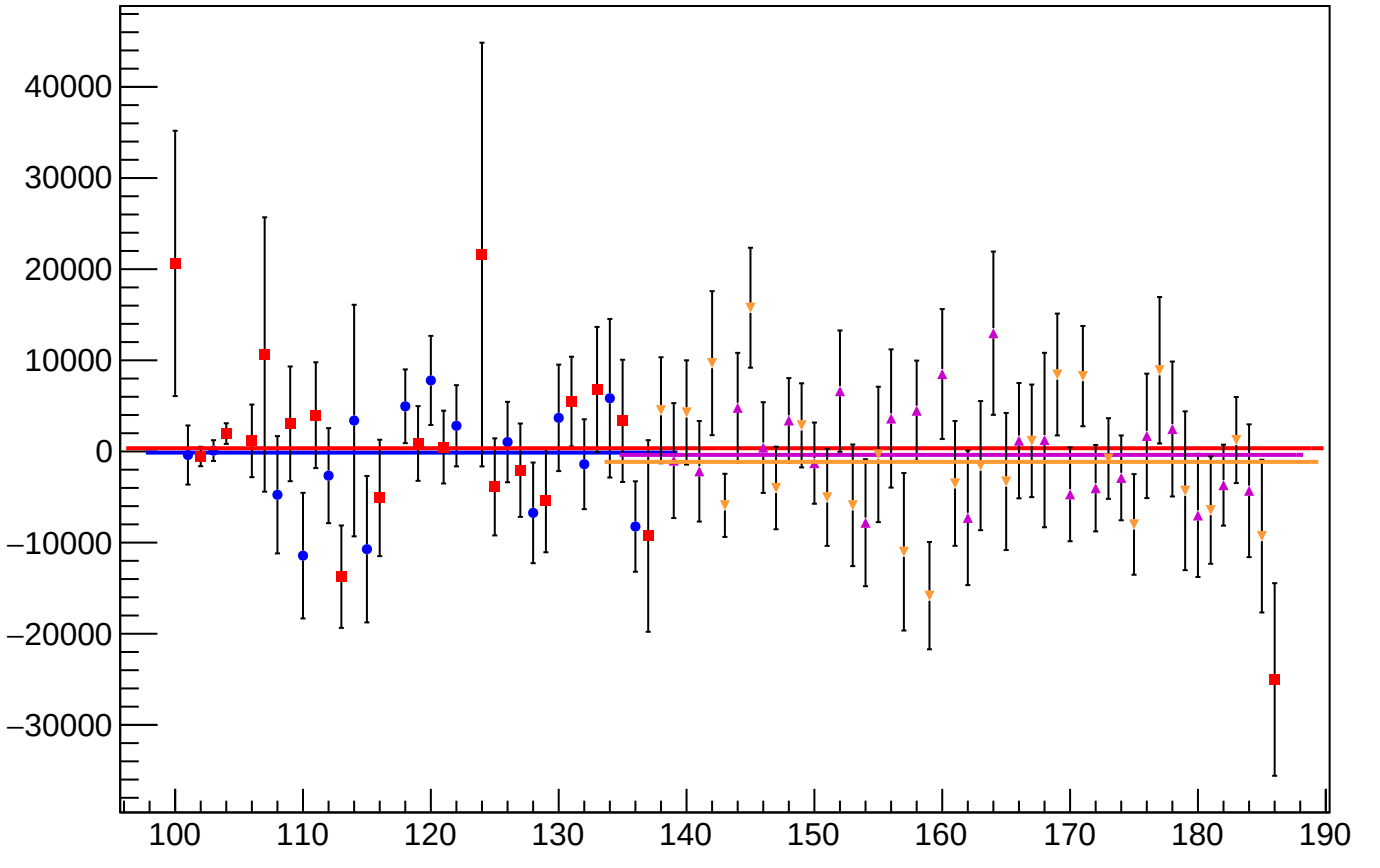
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

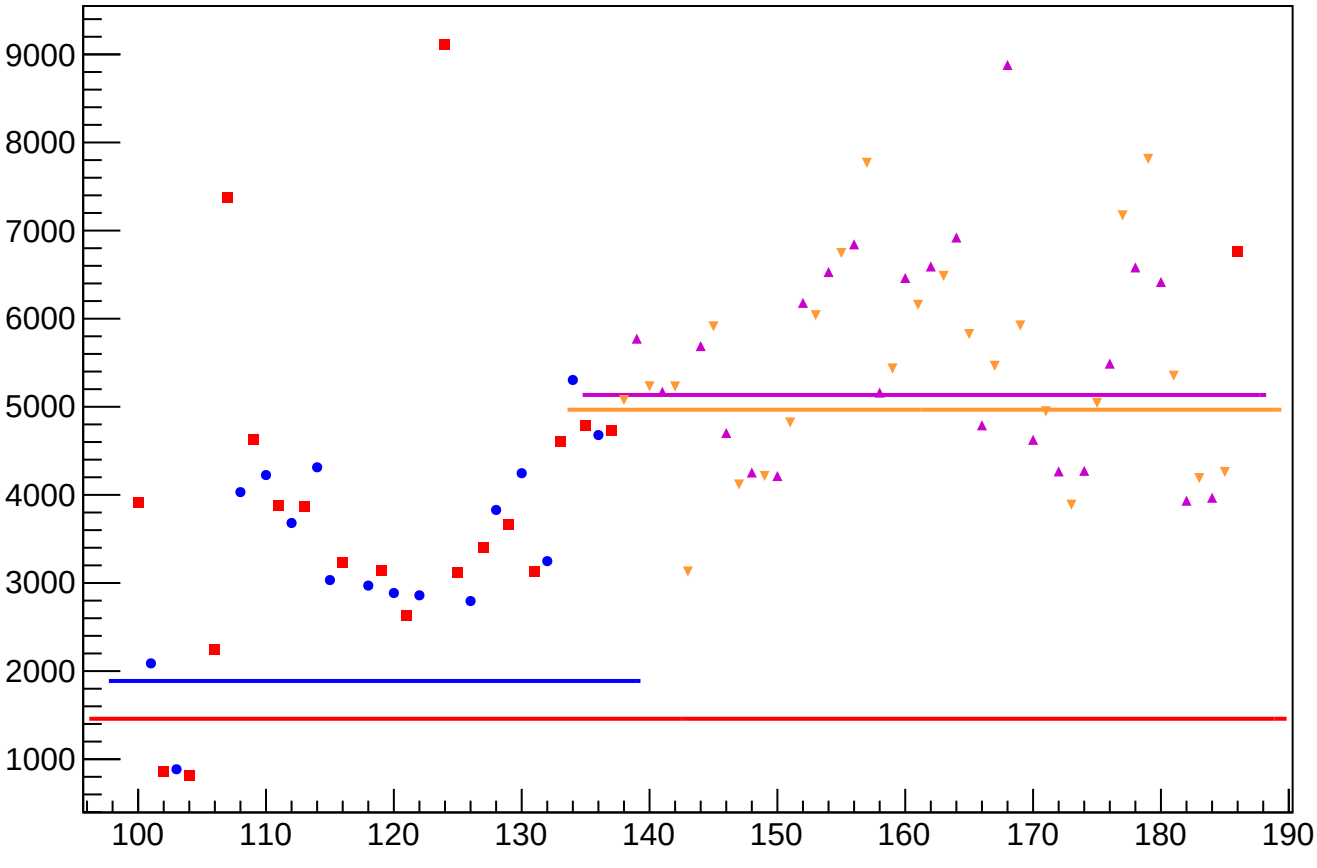
Right: 1727.824+/-0.320 χ^2/NDF: 392028.9/34

In: 1764.587+/-0.248 χ^2/NDF:257501.7/38

Out: 1785.382+/-0.248 χ^2/NDF:353127.5/42

All: 1774.975+/-0.175 χ^2/NDF: 614154.7/81


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: 354.614+/-677.758 χ²/NDF: 24.3/19
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 172.685+/-534.117 χ²/NDF: 39.6/35
In: -208.471+/-708.749 χ²/NDF:28.4/38
Out: -24.704+/-585.763 χ²/NDF:58.1/44
All: -99.285+/-451.515 χ²/NDF: 86.5/83



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

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

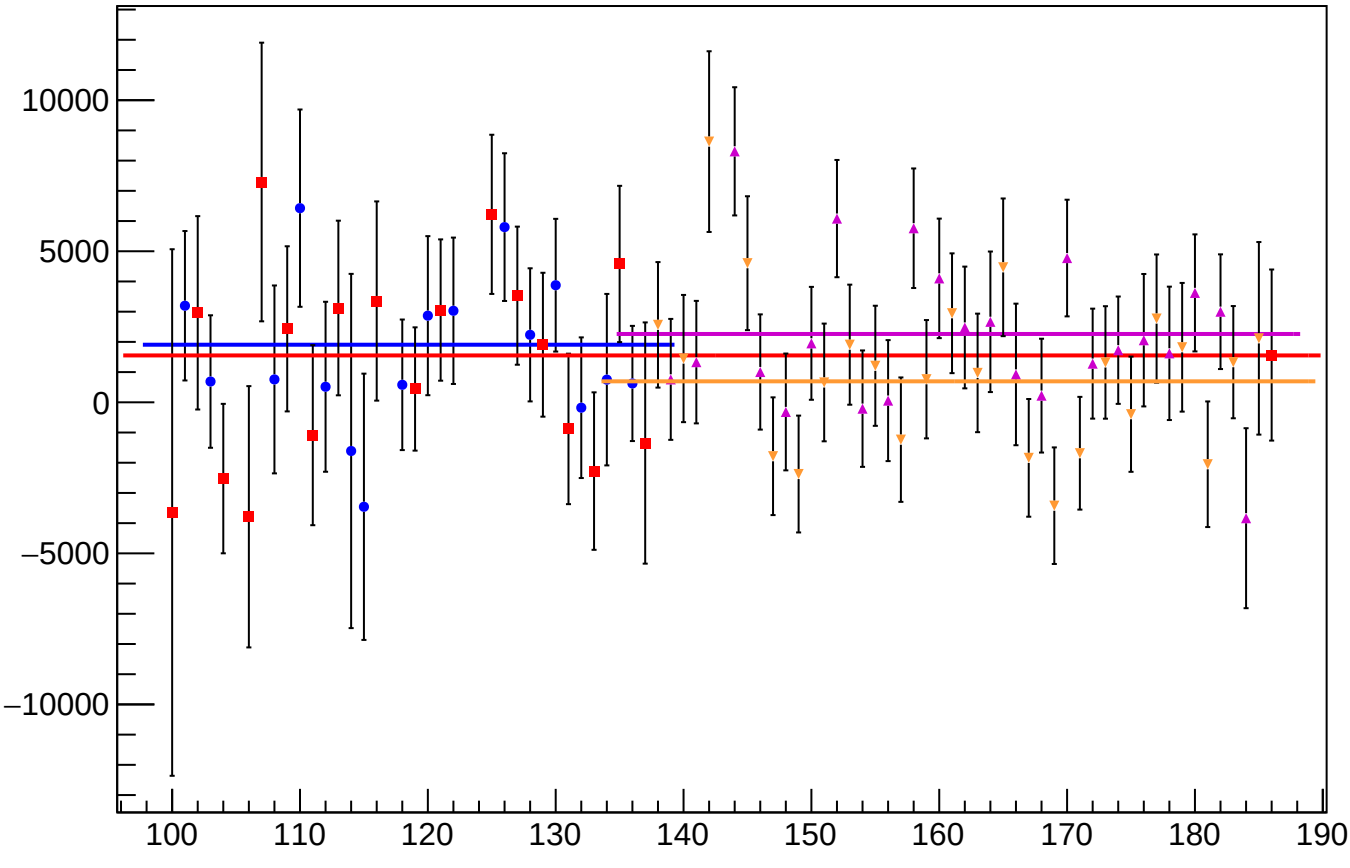
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1621.596+/-0.378 χ^2/NDF: 11200421.2/35

In: 2968.193+/-0.501 χ^2/NDF:15229334.1/38

Out: 2346.678+/-0.414 χ^2/NDF:21945845.4/44

All: 2598.917+/-0.319 χ^2/NDF: 38088972.7/8



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

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

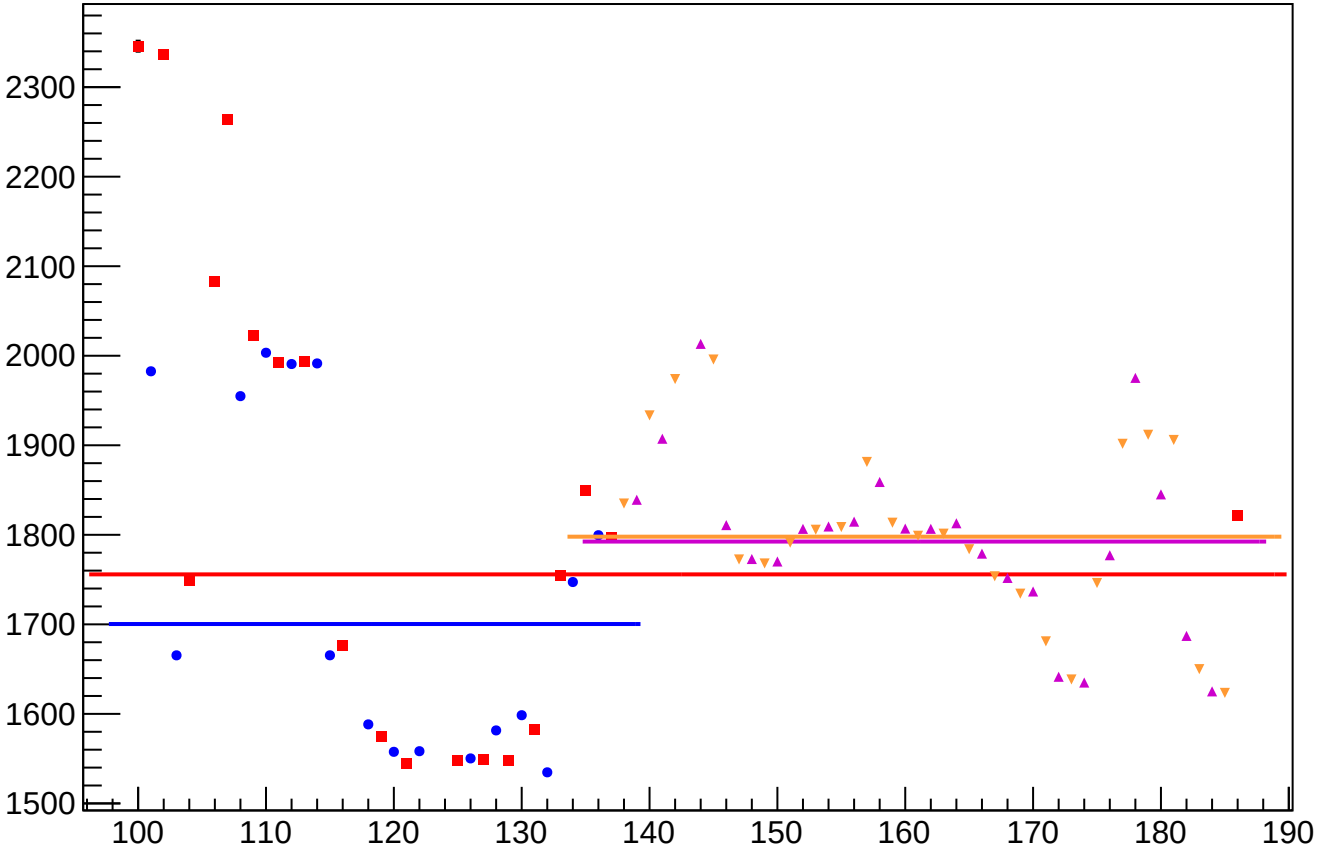
Right: 1730.962+/-452.589 χ^2/NDF: 27.8/34

In: 2154.190+/-350.069 χ^2/NDF:40.9/38

Out: 948.632+/-350.607 χ^2/NDF:50.9/42

All: 1552.338+/-247.726 χ^2/NDF: 97.7/81

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

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

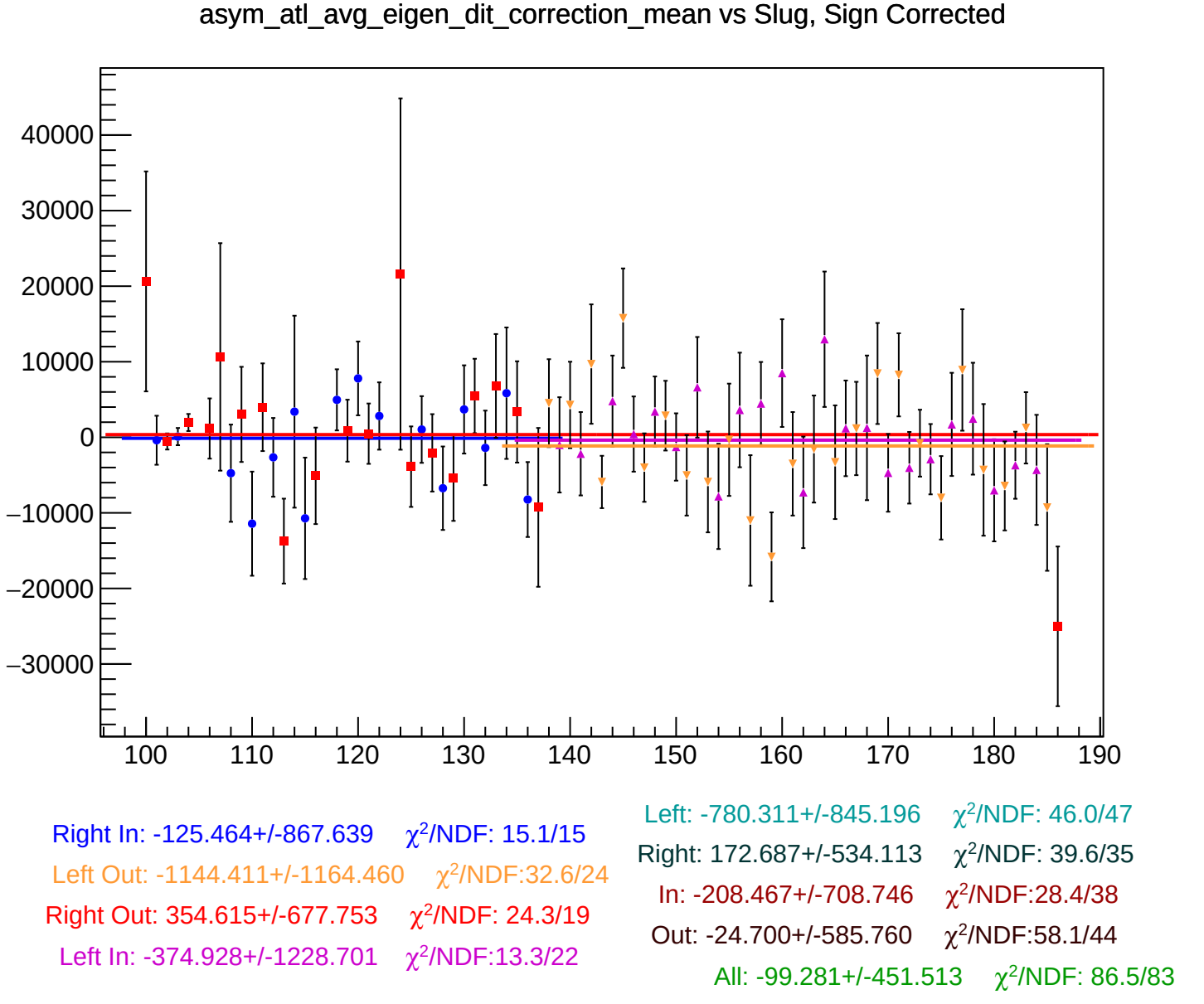
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

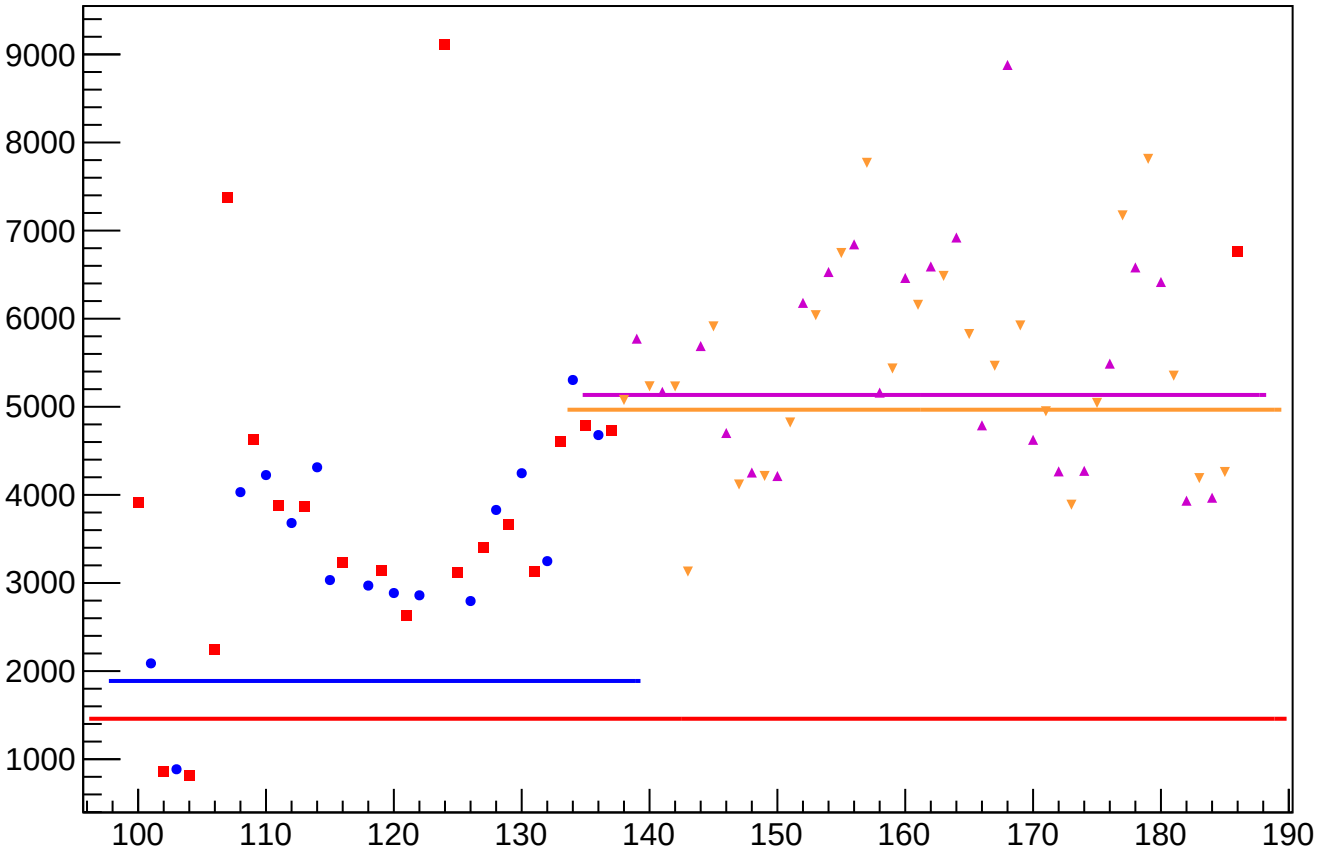
Right: 1727.824+/-0.320 χ^2/NDF: 392028.6/34

In: 1764.588+/-0.248 χ^2/NDF:257506.2/38

Out: 1785.383+/-0.248 χ^2/NDF:353131.0/42

All: 1774.976+/-0.175 χ^2/NDF: 614162.7/81


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 354.615+/-677.753 χ²/NDF: 24.3/19
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 172.687+/-534.113 χ²/NDF: 39.6/35
In: -208.467+/-708.746 χ²/NDF:28.4/38
Out: -24.700+/-585.760 χ²/NDF:58.1/44
All: -99.281+/-451.513 χ²/NDF: 86.5/83



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

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

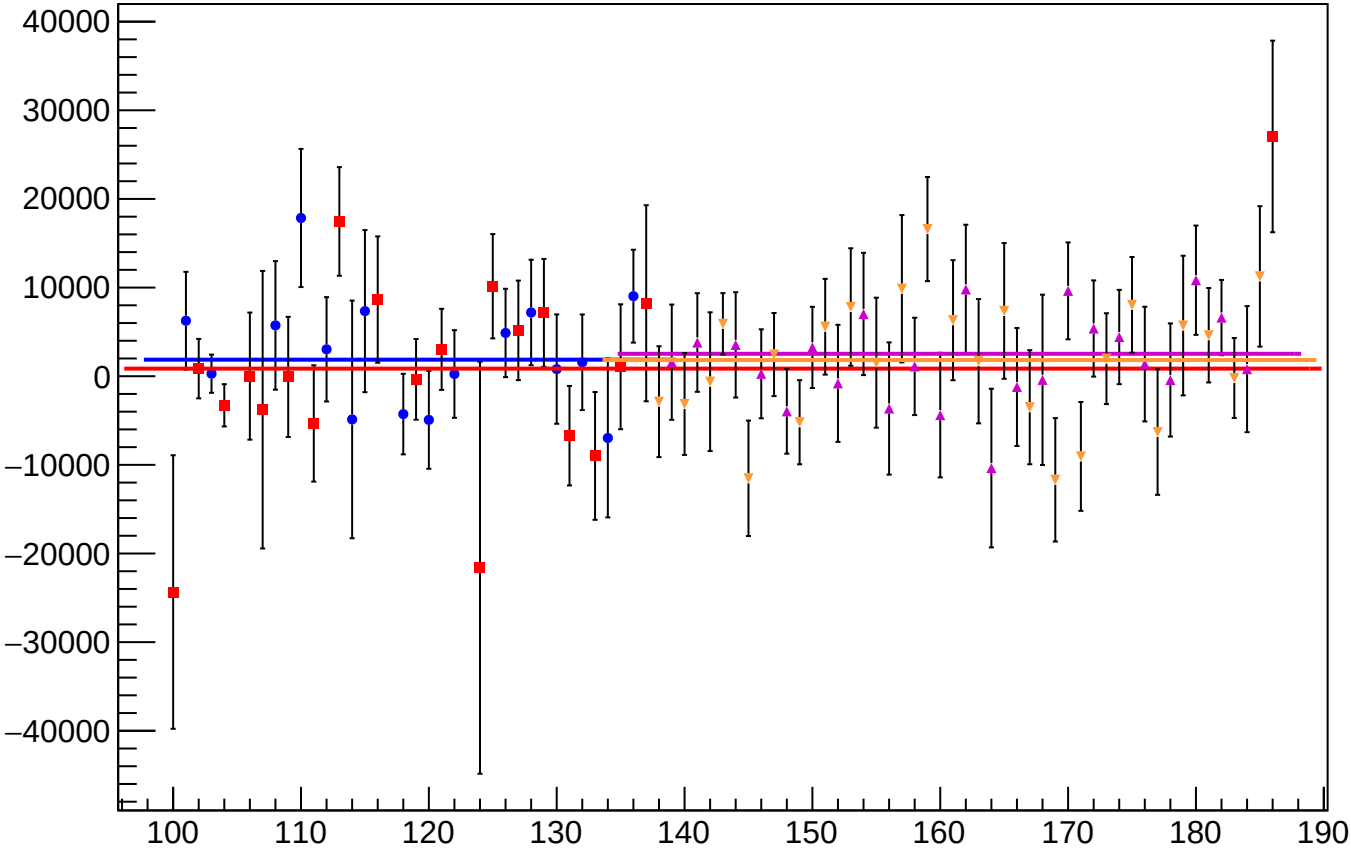
Right: 1621.581+/-0.378 χ^2/NDF: 11200496.0/35

In: 2968.173+/-0.501 χ^2/NDF:15229535.5/38

Out: 2346.658+/-0.414 χ^2/NDF:21946071.7/44

All: 2598.896+/-0.319 χ^2/NDF: 38089409.5/8

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

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

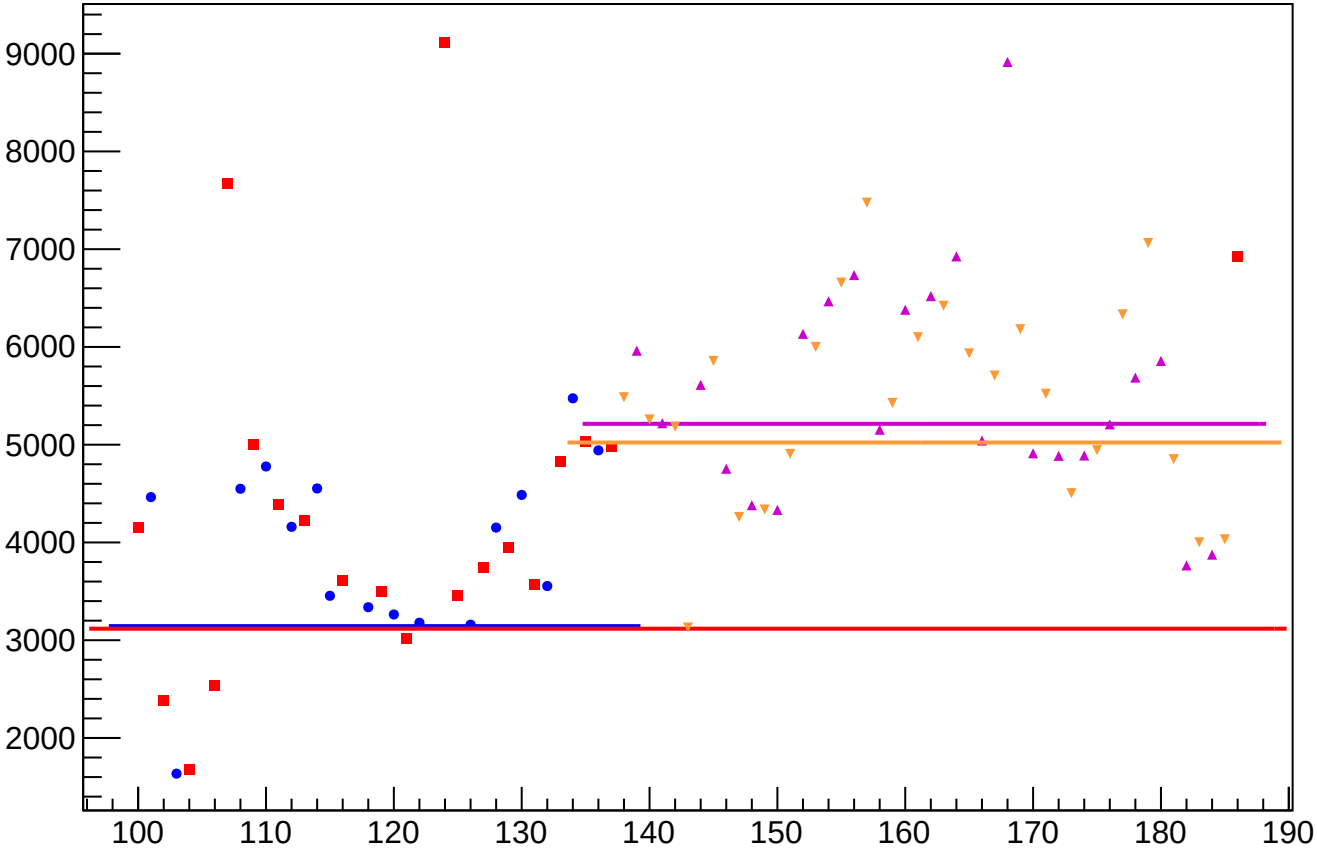
Right: 1352.011+/-881.121 χ^2/NDF: 44.8/35

In: 2202.604+/-884.255 χ^2/NDF:27.1/38

Out: 1366.728+/-849.788 χ^2/NDF:62.0/44

All: 1768.058+/-612.714 χ^2/NDF: 89.6/83

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

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

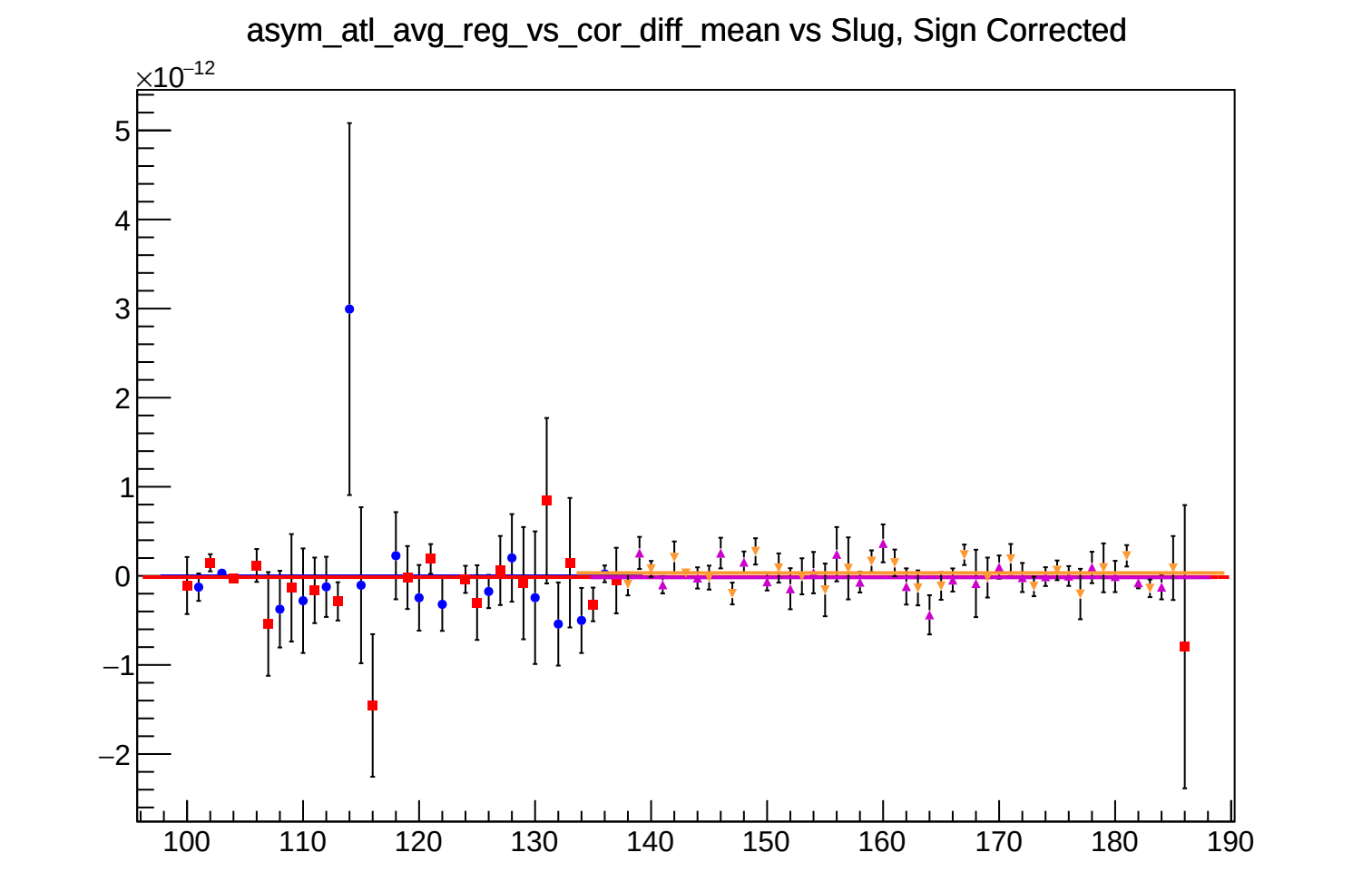
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3130.503+/-0.618 χ^2/NDF: 4016894.5/35

In: 4193.066+/-0.625 χ^2/NDF:5844501.9/38

Out: 4103.576+/-0.596 χ^2/NDF:6355904.3/44

All: 4146.211+/-0.432 χ^2/NDF: 12211131.4/8



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

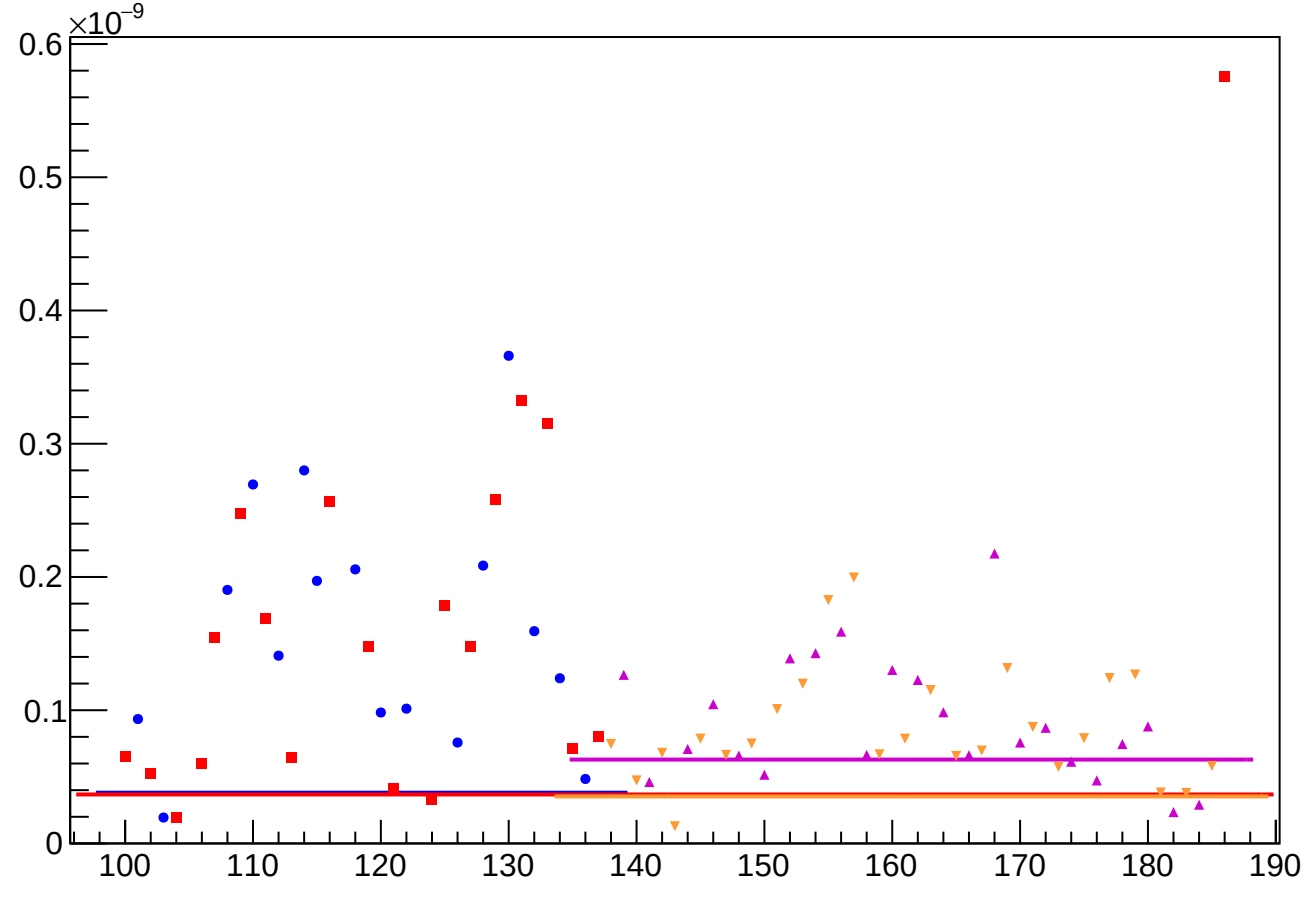
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 25.9/35

In: -0.000+/-0.000 χ^2/NDF:29.9/38

Out: 0.000+/-0.000 χ^2/NDF:41.7/44

All: 0.000+/-0.000 χ^2/NDF: 73.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2913580.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

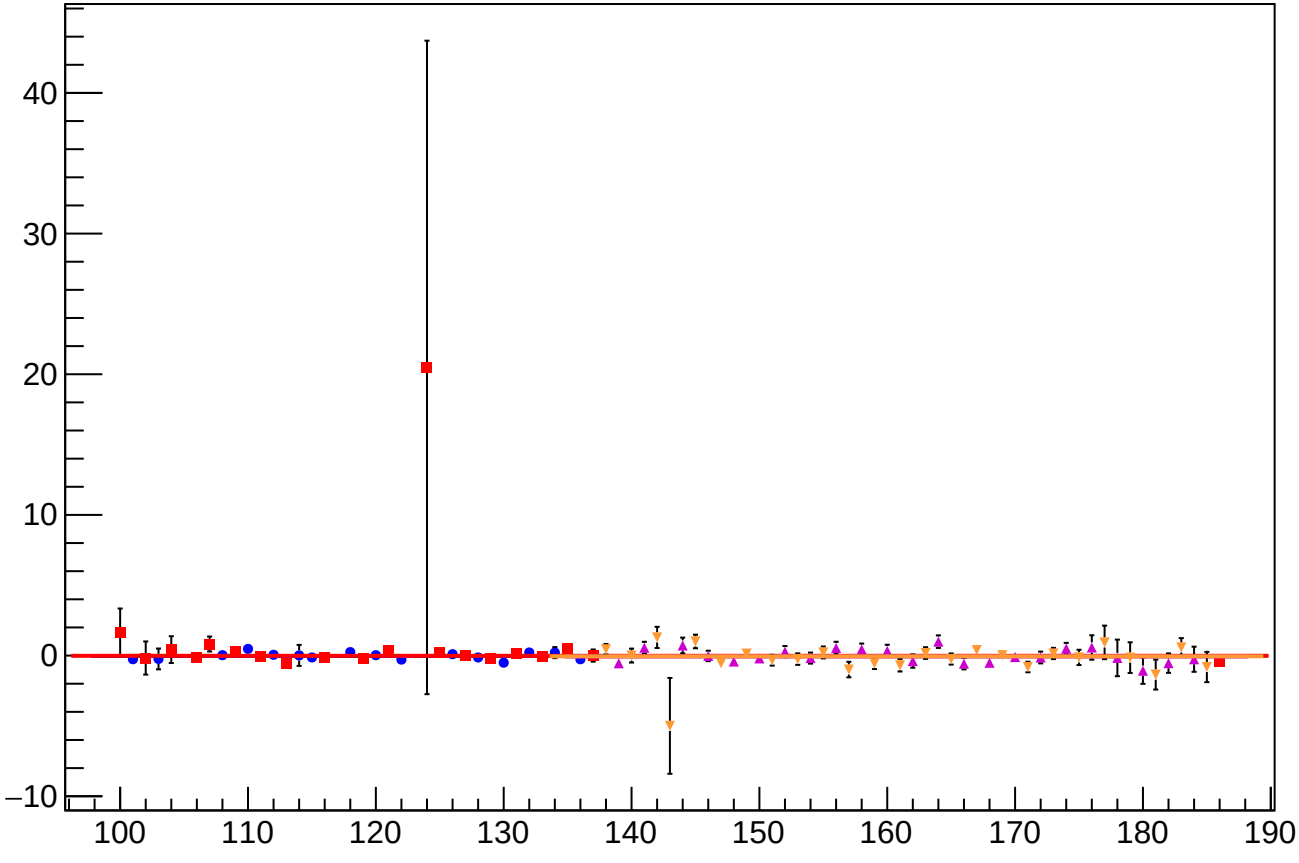
Right: 0.000+/-0.000 χ^2/NDF: 5803660.7/35

In: 0.000+/-0.000 χ^2/NDF:6468024.6/38

Out: 0.000+/-0.000 χ^2/NDF:9427854.7/44

All: 0.000+/-0.000 χ^2/NDF: 16745266.8/83

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-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

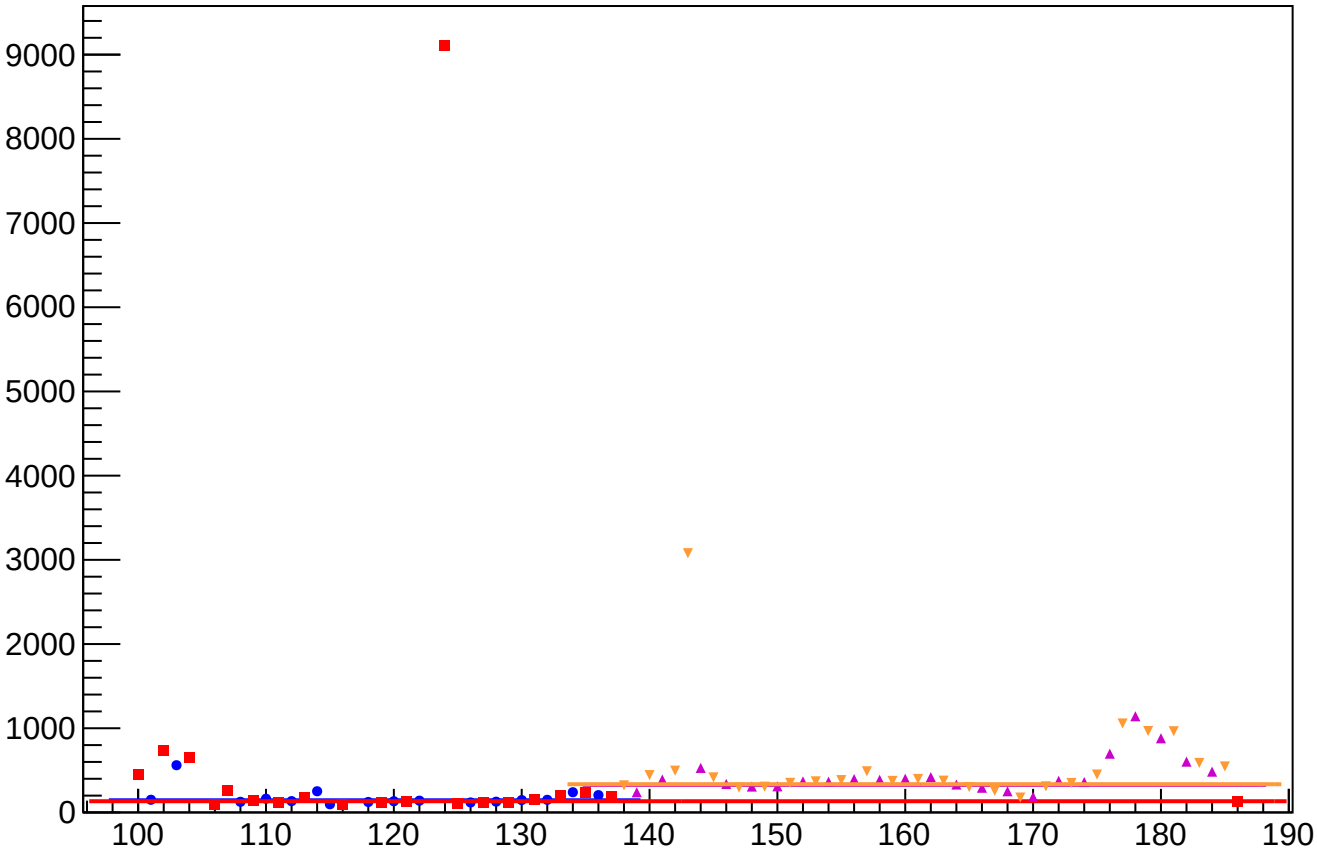
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.022+/-0.040 χ^2/NDF: 43.0/35

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.034+/-0.033 χ^2/NDF: 104.4/83



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

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

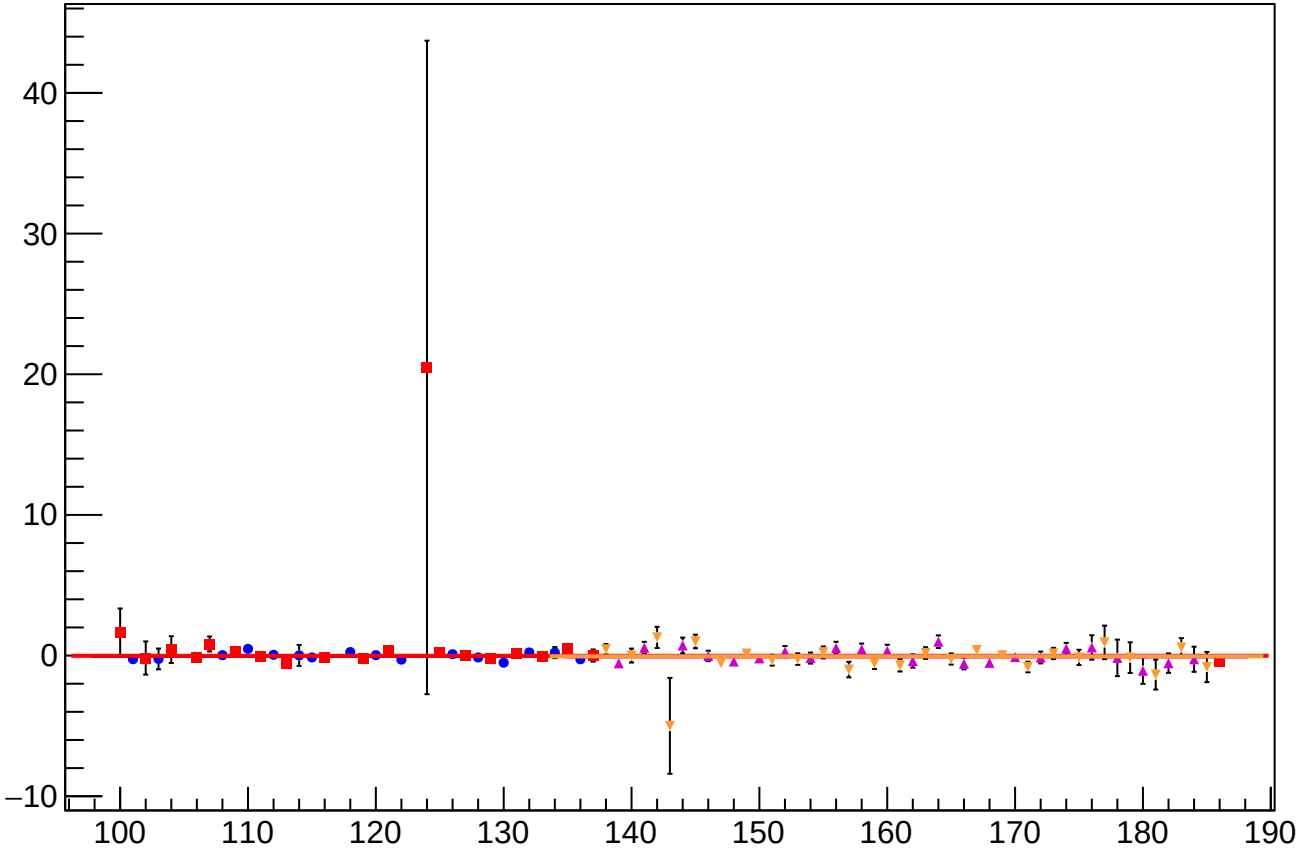
Right: 138.519+/-0.028 χ^2/NDF: 3387314.3/35

In: 204.438+/-0.034 χ^2/NDF:11875165.2/38

Out: 192.989+/-0.033 χ^2/NDF:16089674.5/44

All: 198.542+/-0.023 χ^2/NDF: 28024939.9/83

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-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

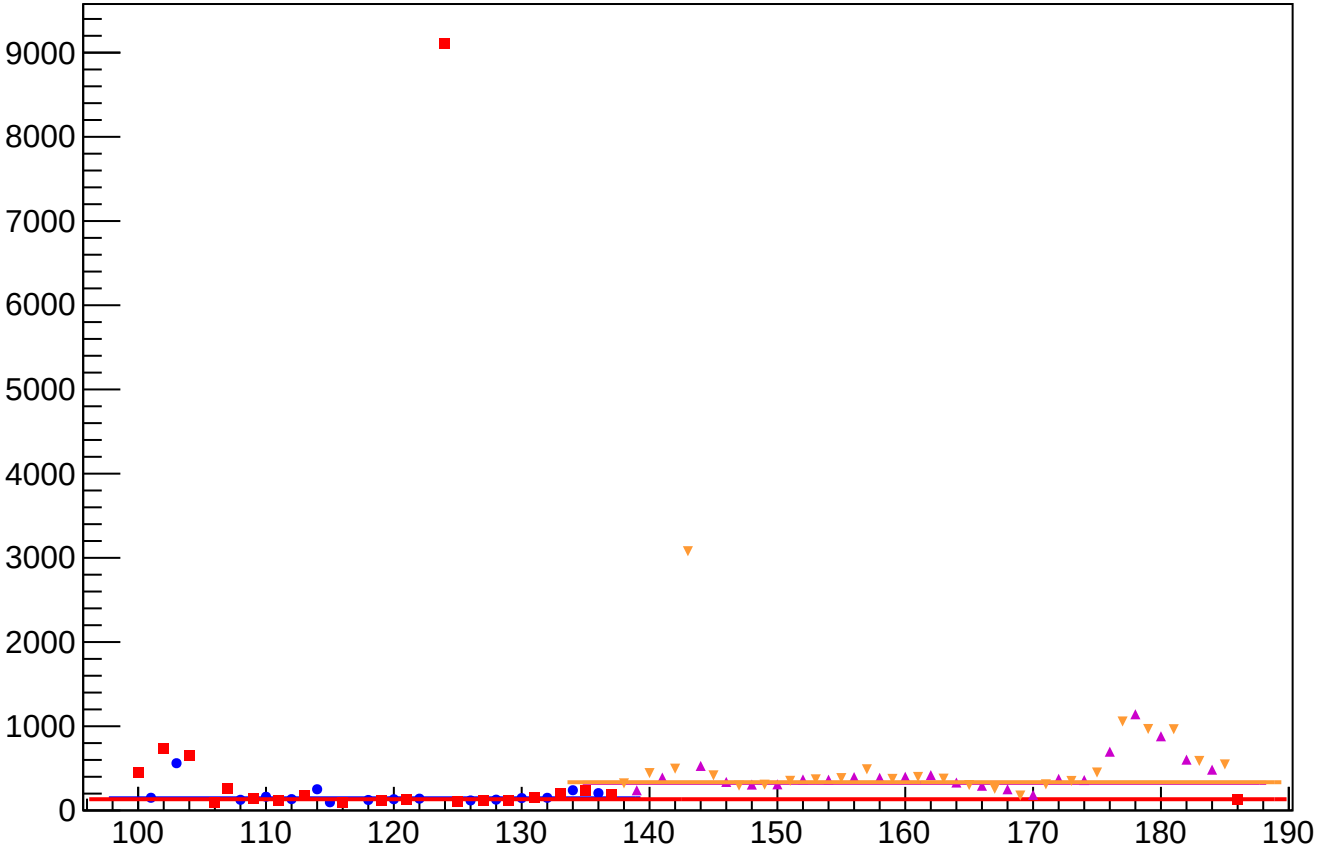
Right: -0.022+/-0.040 χ^2/NDF: 43.0/35

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.034+/-0.033 χ^2/NDF: 104.4/83

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 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

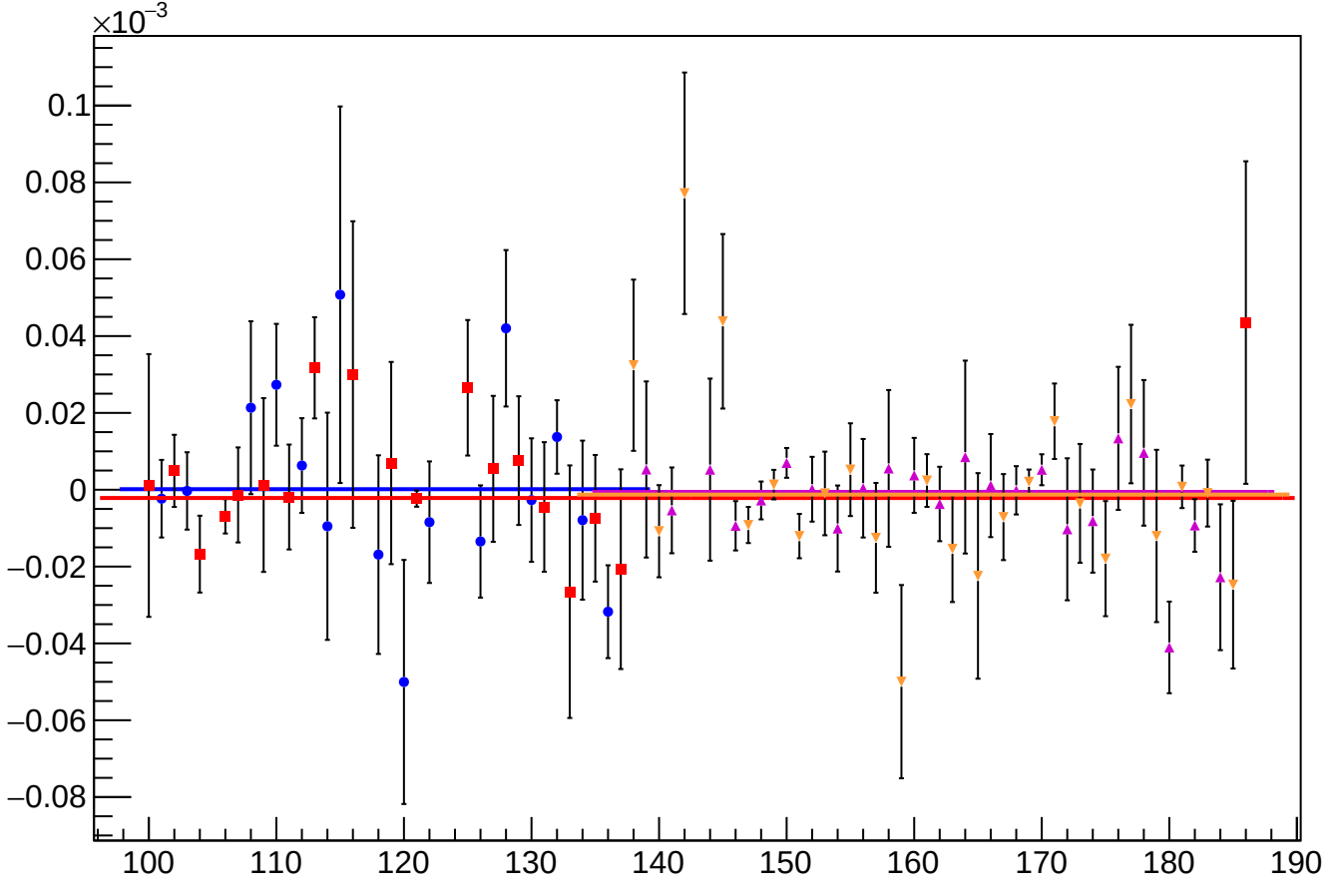
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.519+/-0.028 χ^2/NDF: 3387314.3/35

In: 204.438+/-0.034 χ^2/NDF:11875165.2/38

Out: 192.989+/-0.033 χ^2/NDF:16089674.5/44

All: 198.542+/-0.023 χ^2/NDF: 28024939.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

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

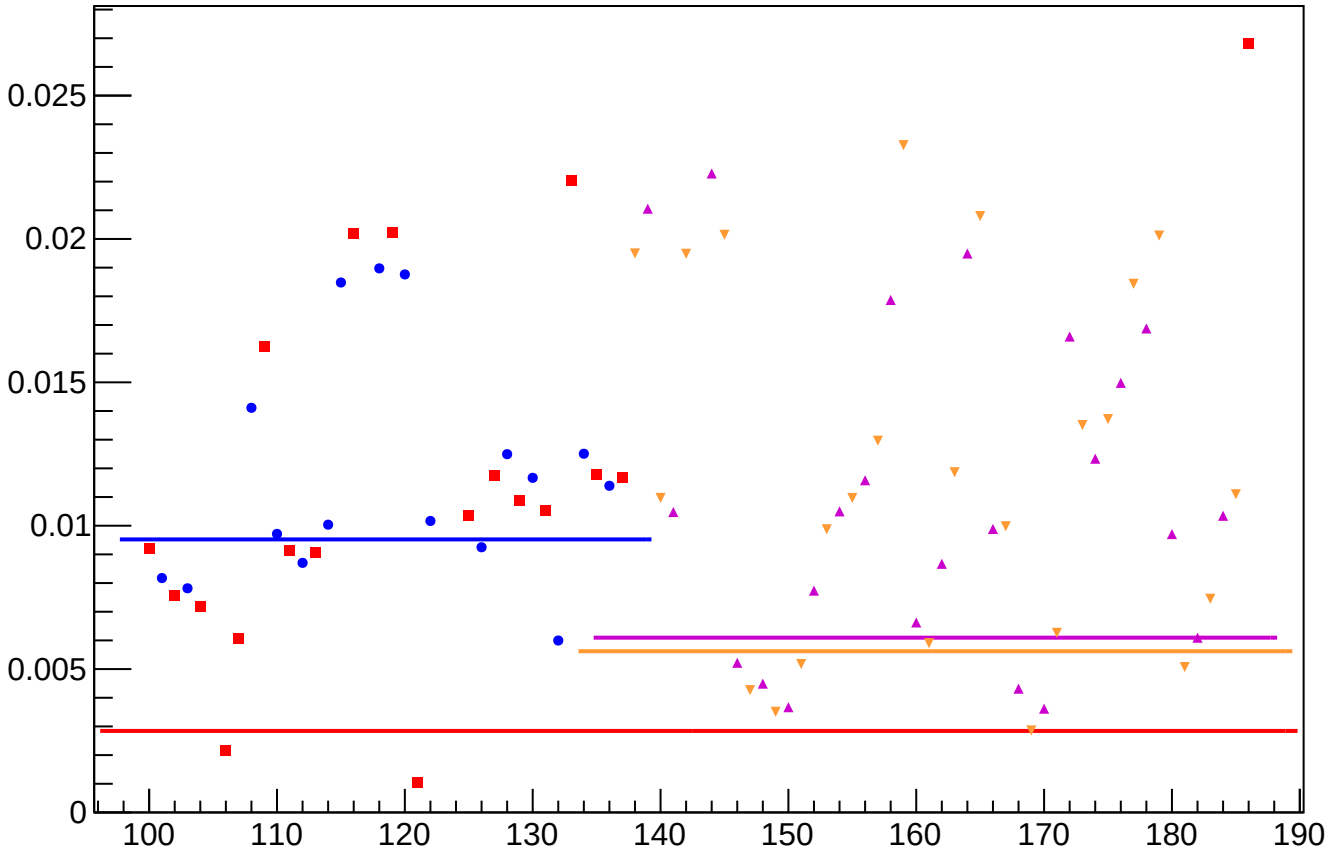
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 39.9/34

In: -0.000+/-0.000 χ^2/NDF:48.3/38

Out: -0.000+/-0.000 χ^2/NDF:52.6/42

All: -0.000+/-0.000 χ^2/NDF: 101.3/81



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

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

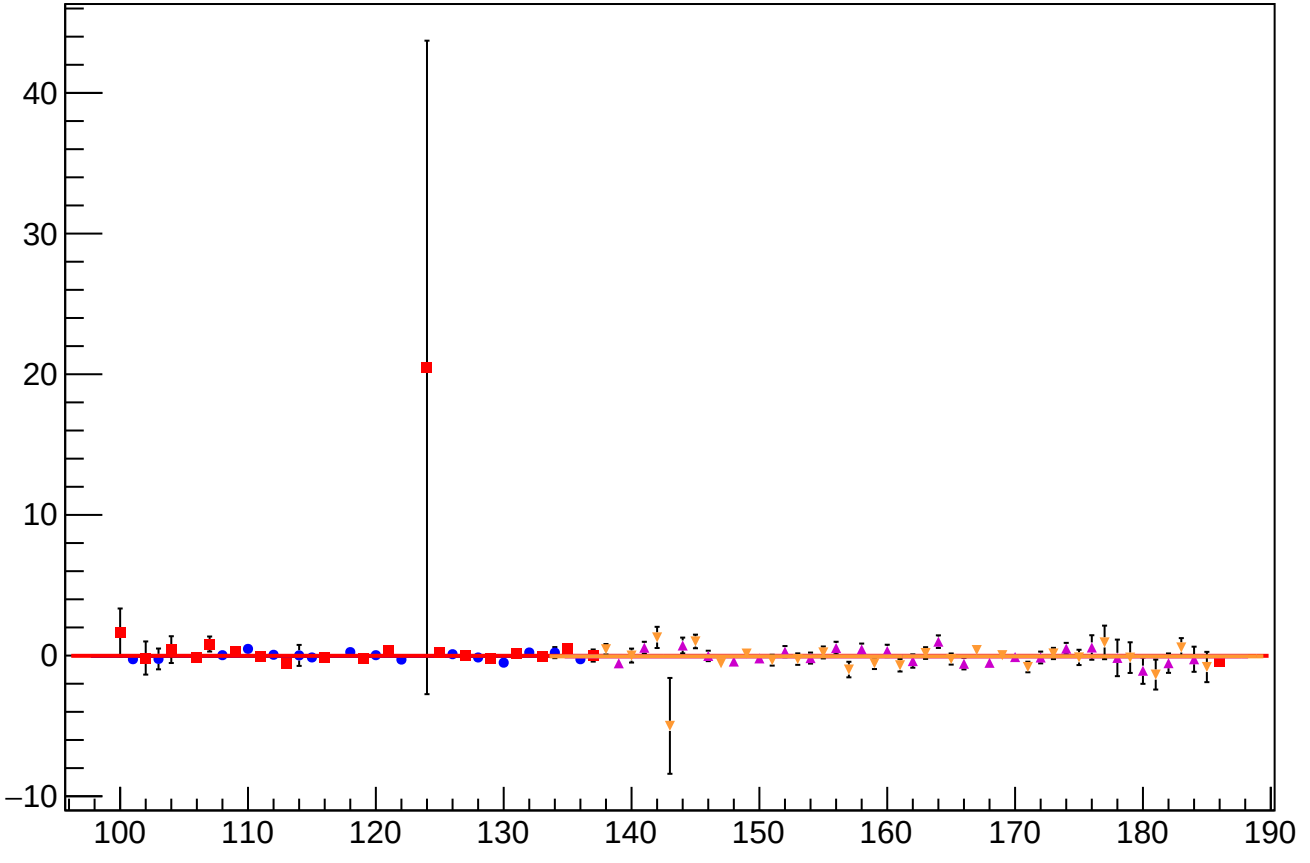
Right: 0.004+/-0.000 χ^2/NDF: 15610836.5/34

In: 0.007+/-0.000 χ^2/NDF:11312639.7/38

Out: 0.004+/-0.000 χ^2/NDF:23181143.1/42

All: 0.005+/-0.000 χ^2/NDF: 37436192.6/81

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-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

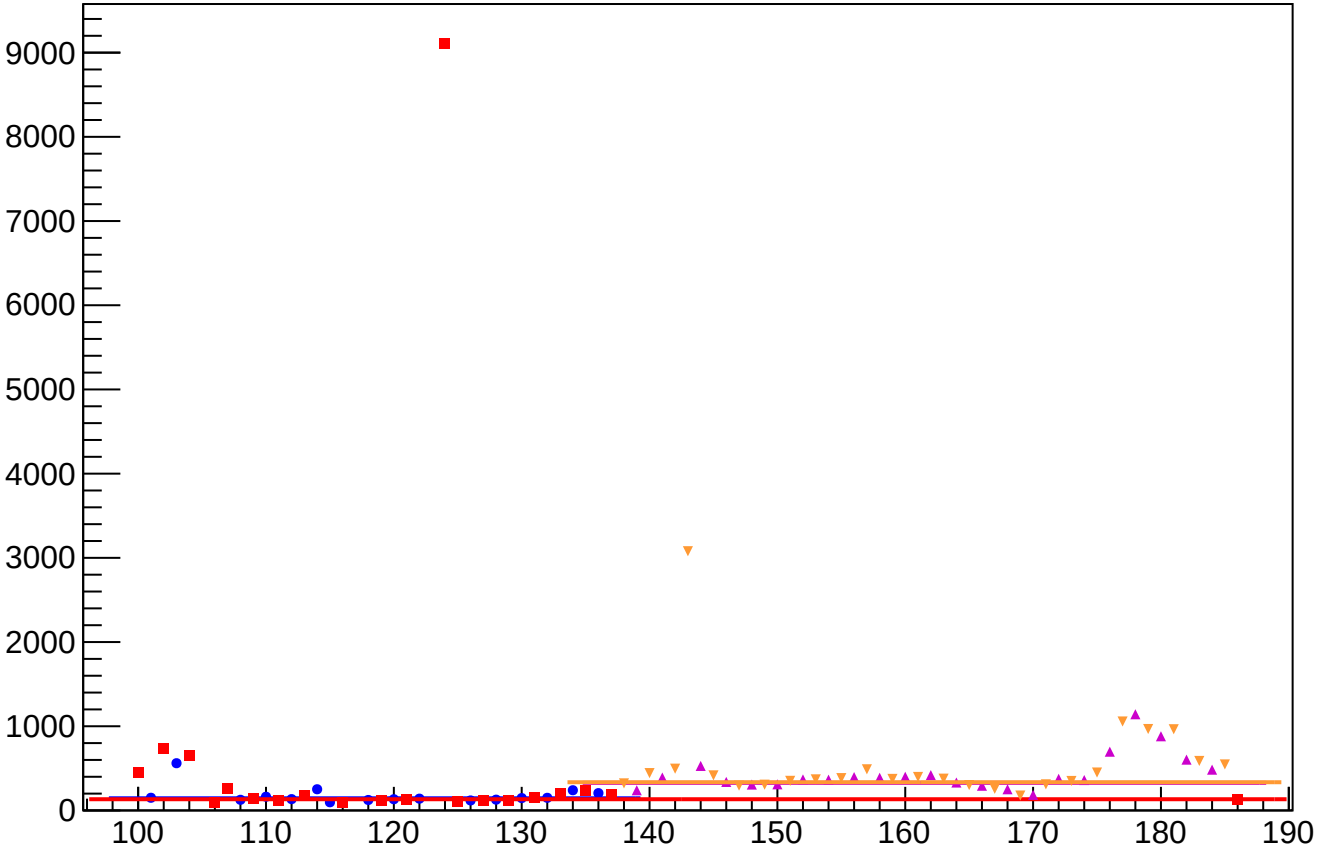
Right: -0.022+/-0.040 χ^2/NDF: 43.0/35

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.034+/-0.033 χ^2/NDF: 104.4/83

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 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

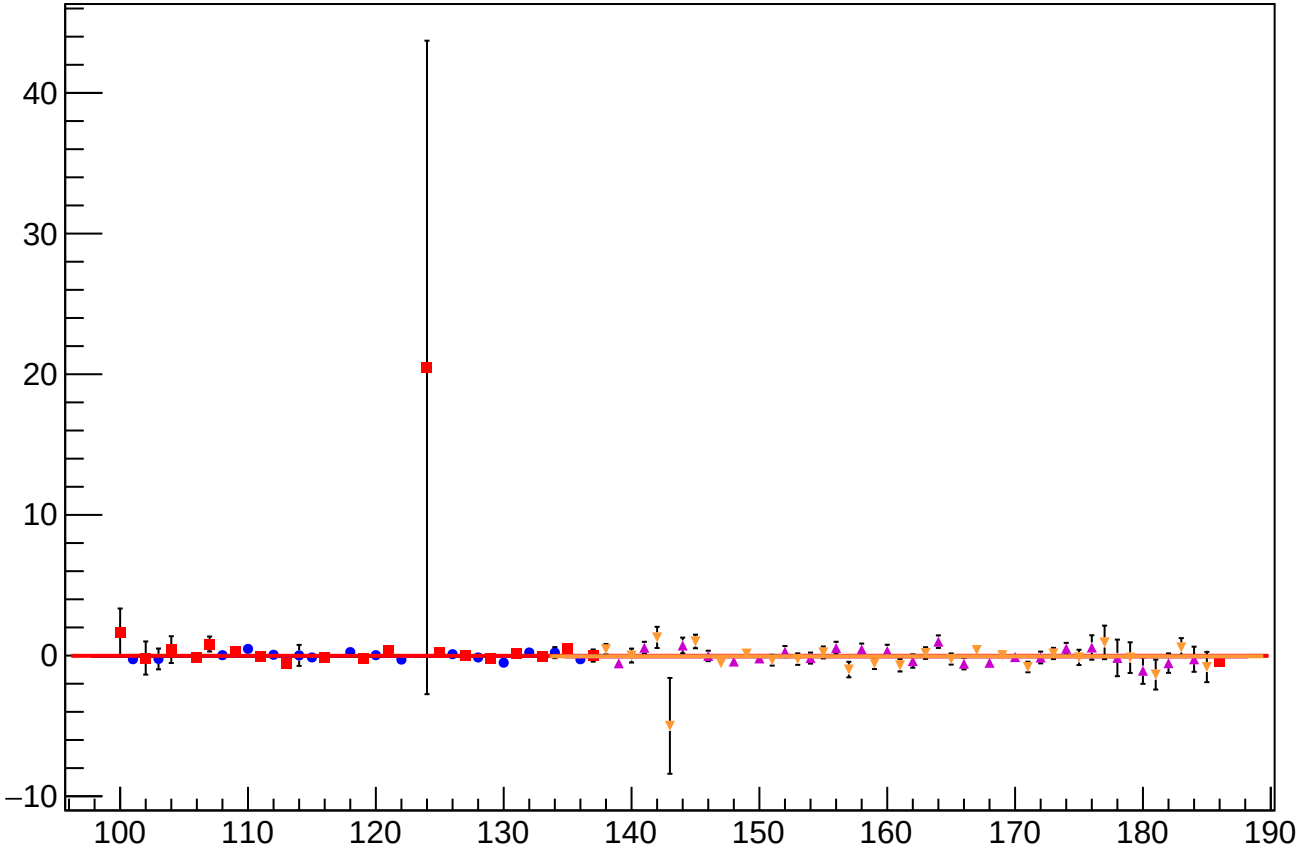
Right: 138.518+/-0.028 χ^2/NDF: 3387300.1/35

In: 204.437+/-0.034 χ^2/NDF:11875466.1/38

Out: 192.987+/-0.033 χ^2/NDF:16089983.6/44

All: 198.540+/-0.023 χ^2/NDF: 28025559.0/83

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-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

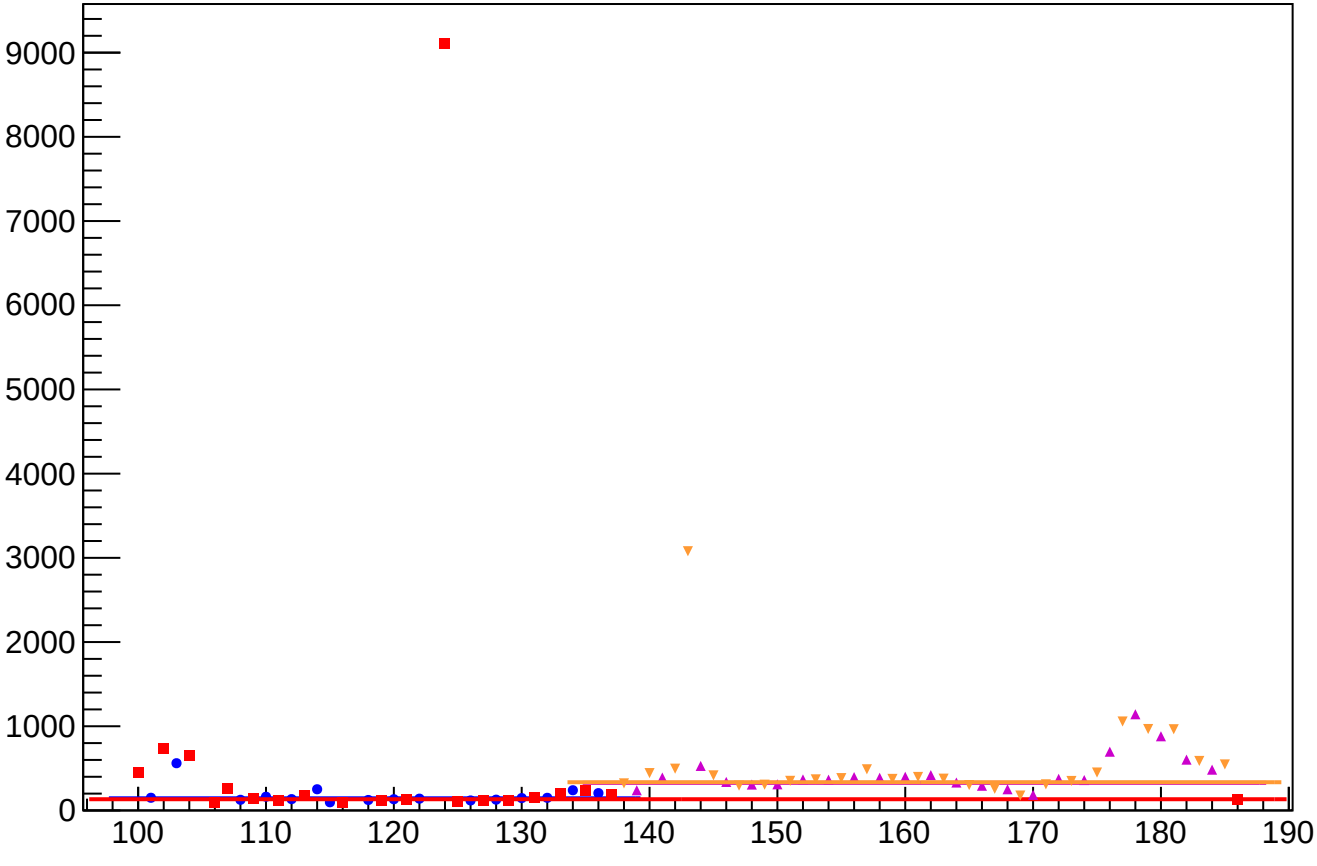
Right: -0.022+/-0.040 χ^2/NDF: 43.0/35

In: -0.040+/-0.047 χ^2/NDF:45.4/38

Out: -0.028+/-0.046 χ^2/NDF:59.0/44

All: -0.034+/-0.033 χ^2/NDF: 104.4/83

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 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

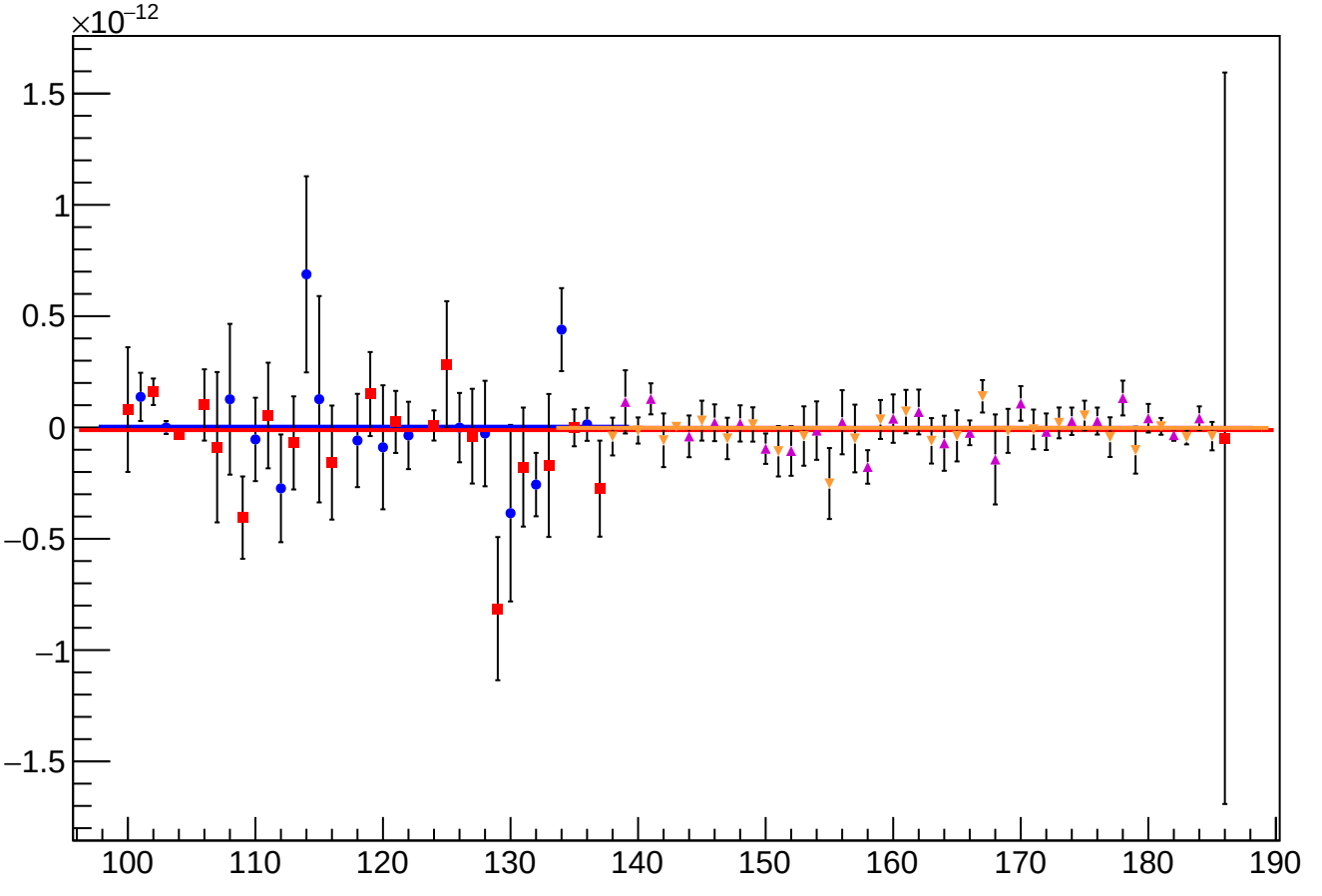
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.518+/-0.028 χ^2/NDF: 3387300.1/35

In: 204.437+/-0.034 χ^2/NDF:11875466.1/38

Out: 192.987+/-0.033 χ^2/NDF:16089983.6/44

All: 198.540+/-0.023 χ^2/NDF: 28025559.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

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

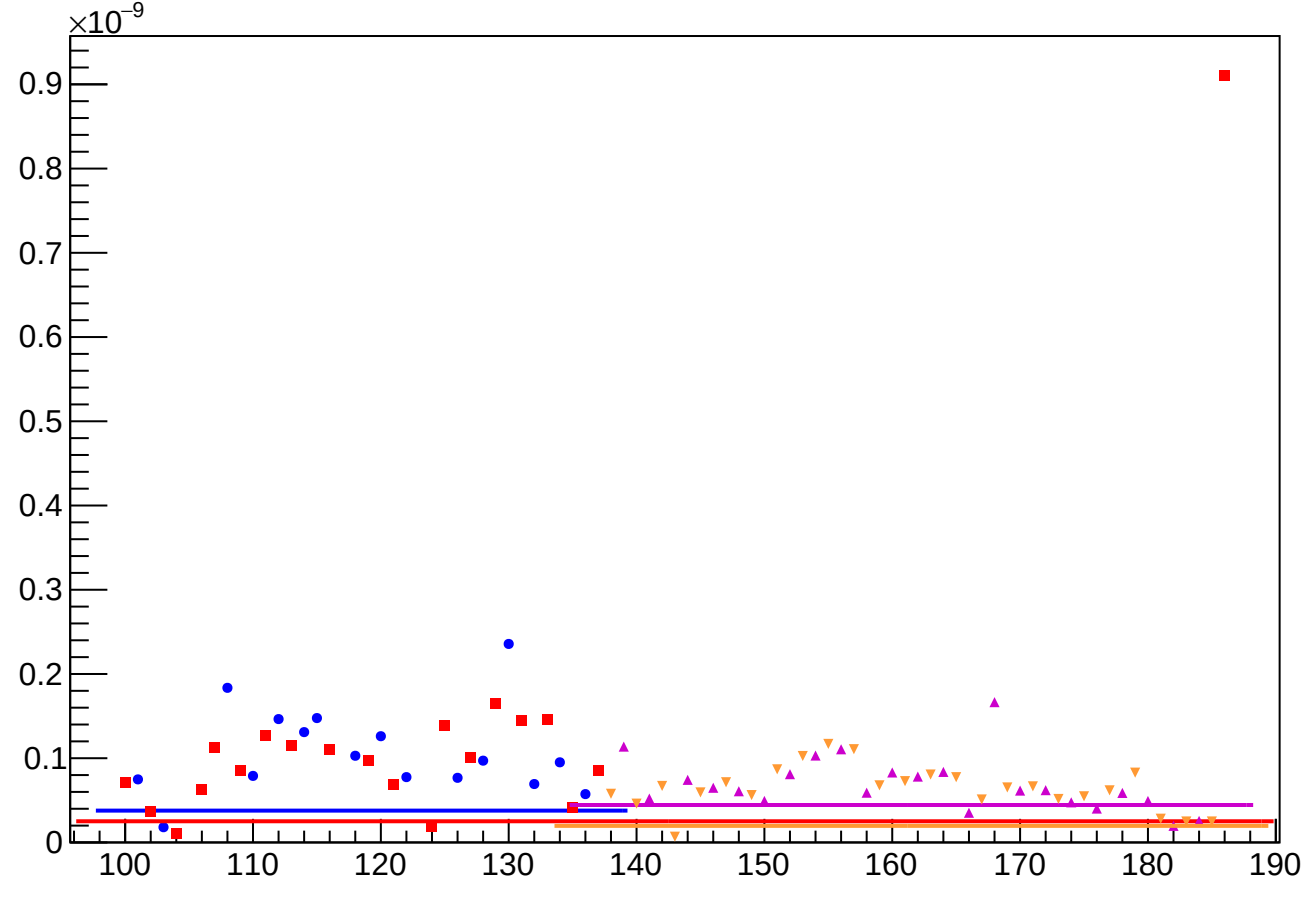
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/35

In: -0.000+/-0.000 χ^2/NDF:38.1/38

Out: -0.000+/-0.000 χ^2/NDF:39.0/44

All: -0.000+/-0.000 χ^2/NDF: 77.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

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

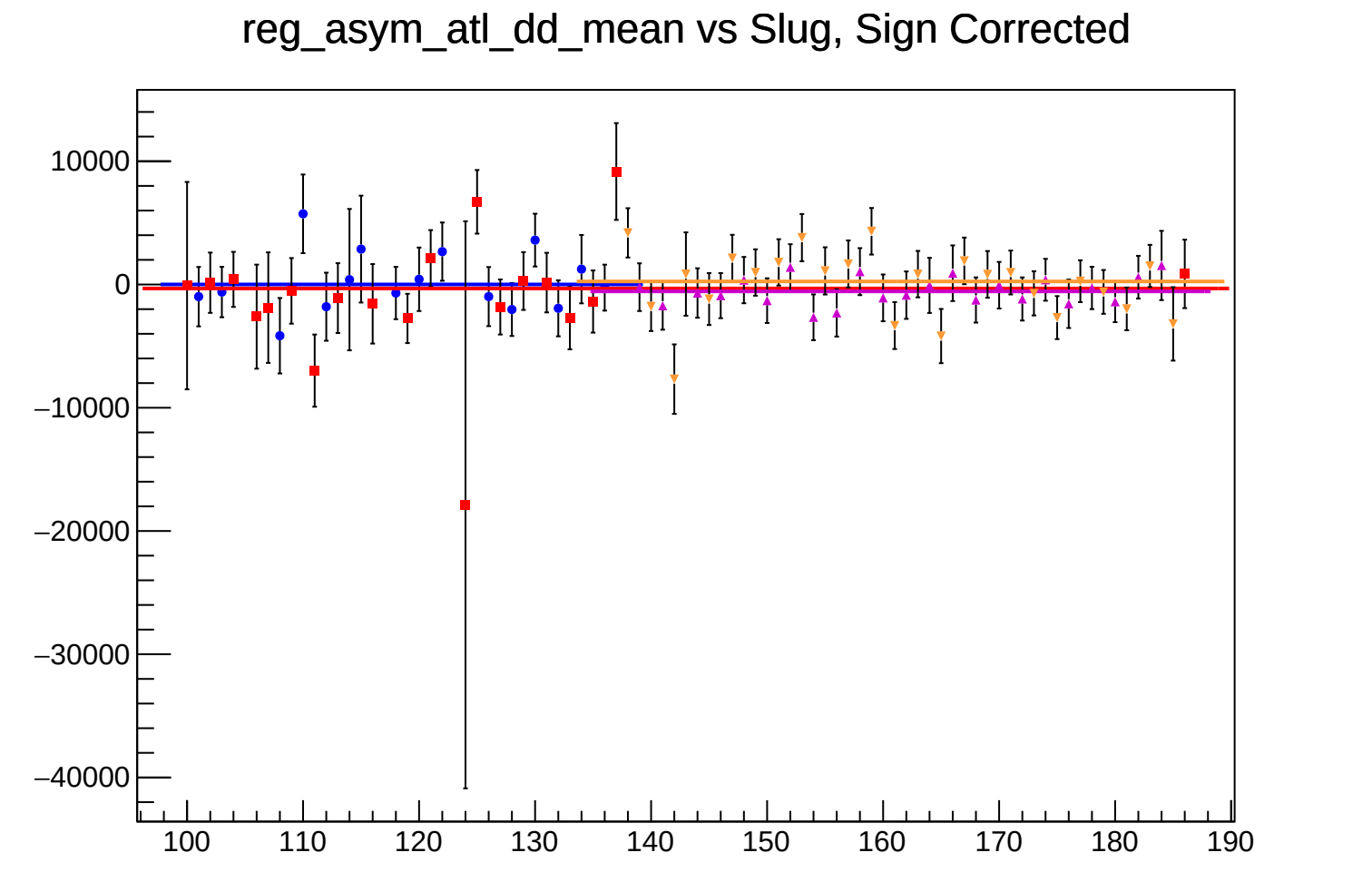
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9575137.1/35

In: 0.000+/-0.000 χ^2/NDF:9977544.1/38

Out: 0.000+/-0.000 χ^2/NDF:20315638.7/44

All: 0.000+/-0.000 χ^2/NDF: 35047783.0/83



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

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

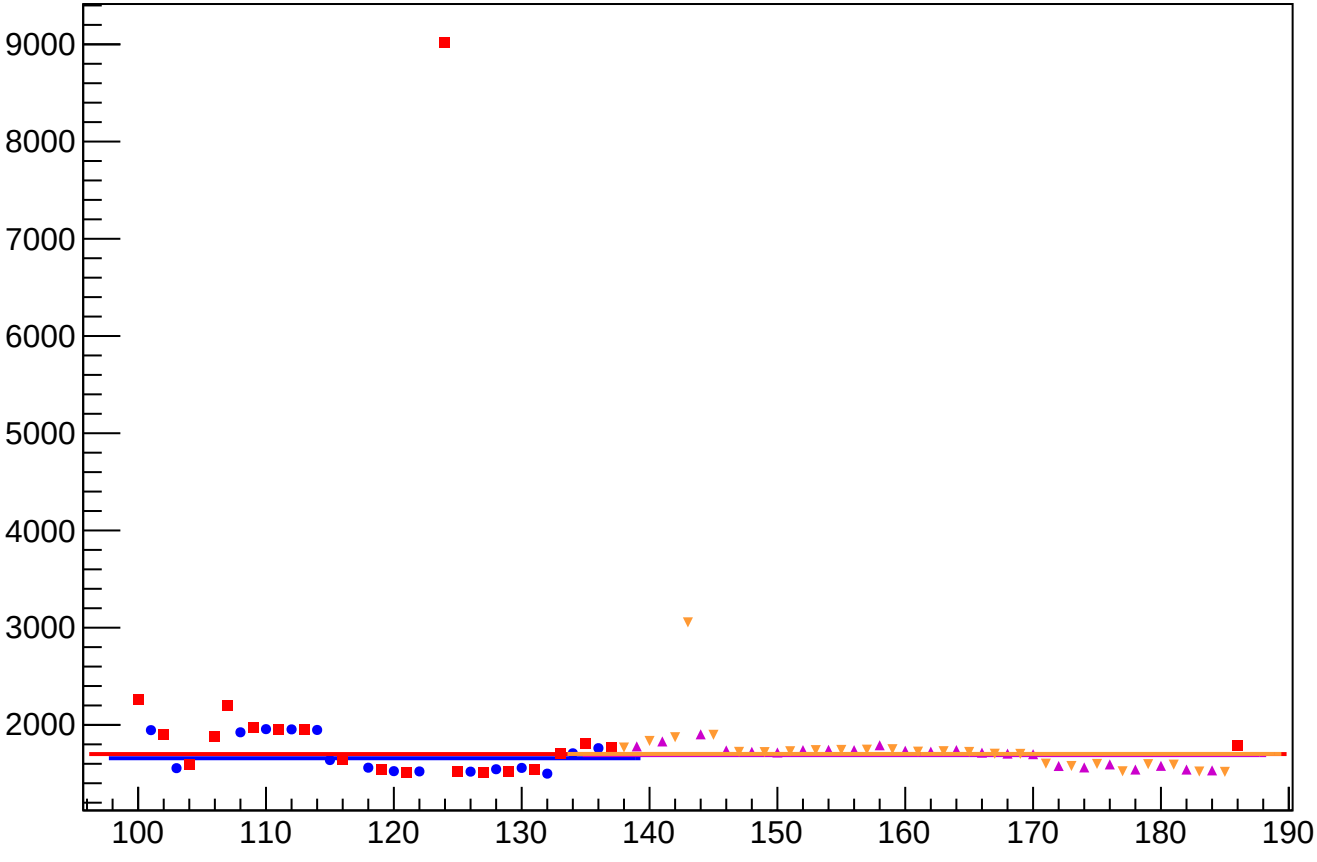
Right: -159.923+/-437.594 χ^2/NDF: 36.8/35

In: -396.956+/-333.188 χ^2/NDF:20.5/38

Out: 86.131+/-329.077 χ^2/NDF:64.4/44

All: -152.414+/-234.132 χ^2/NDF: 86.1/83

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

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

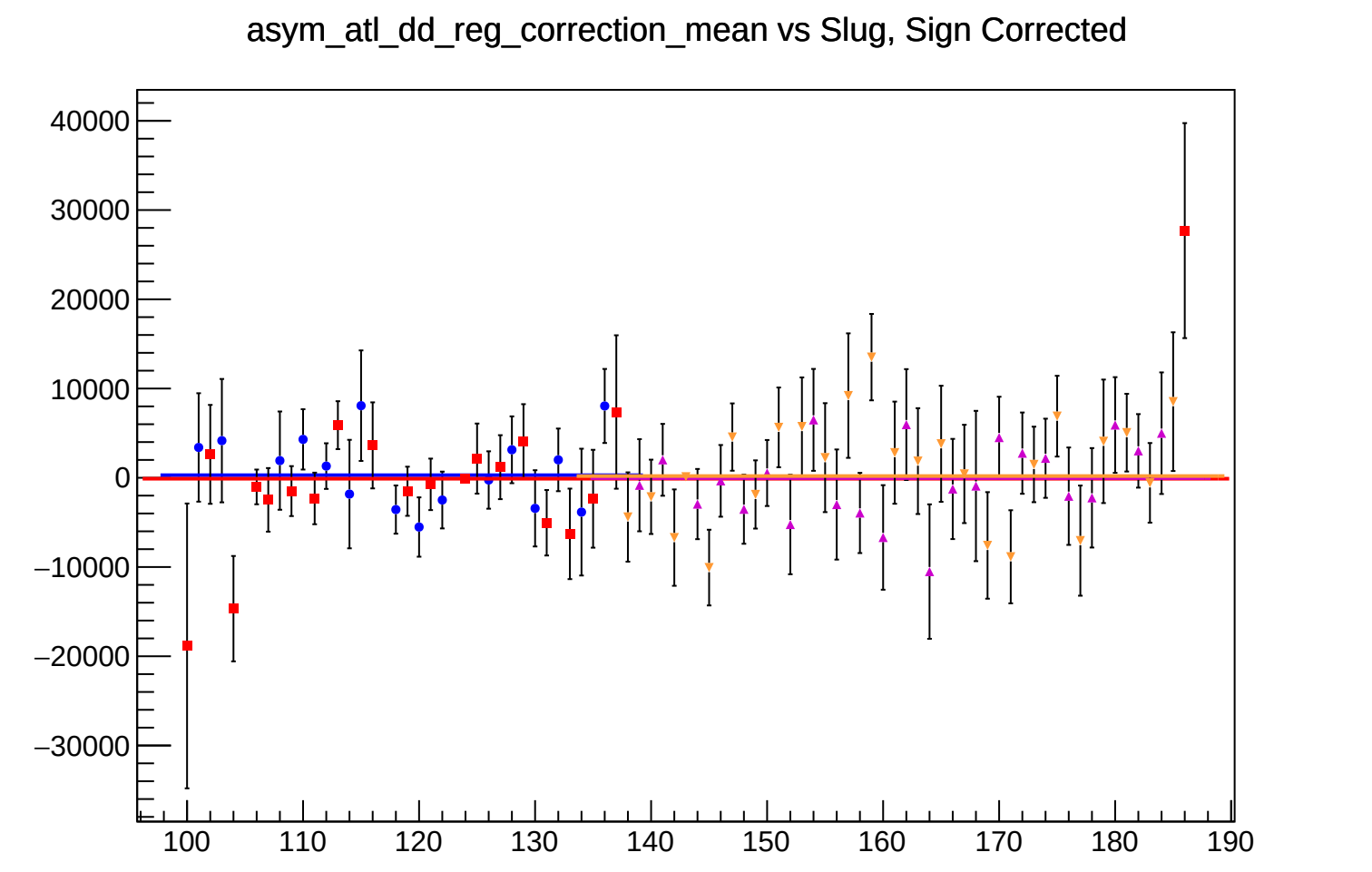
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1678.778+/-0.309 χ^2/NDF: 537076.8/35

In: 1679.974+/-0.236 χ^2/NDF:270123.4/38

Out: 1701.160+/-0.232 χ^2/NDF:840636.3/44

All: 1690.712+/-0.165 χ^2/NDF: 1114858.1/83



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

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

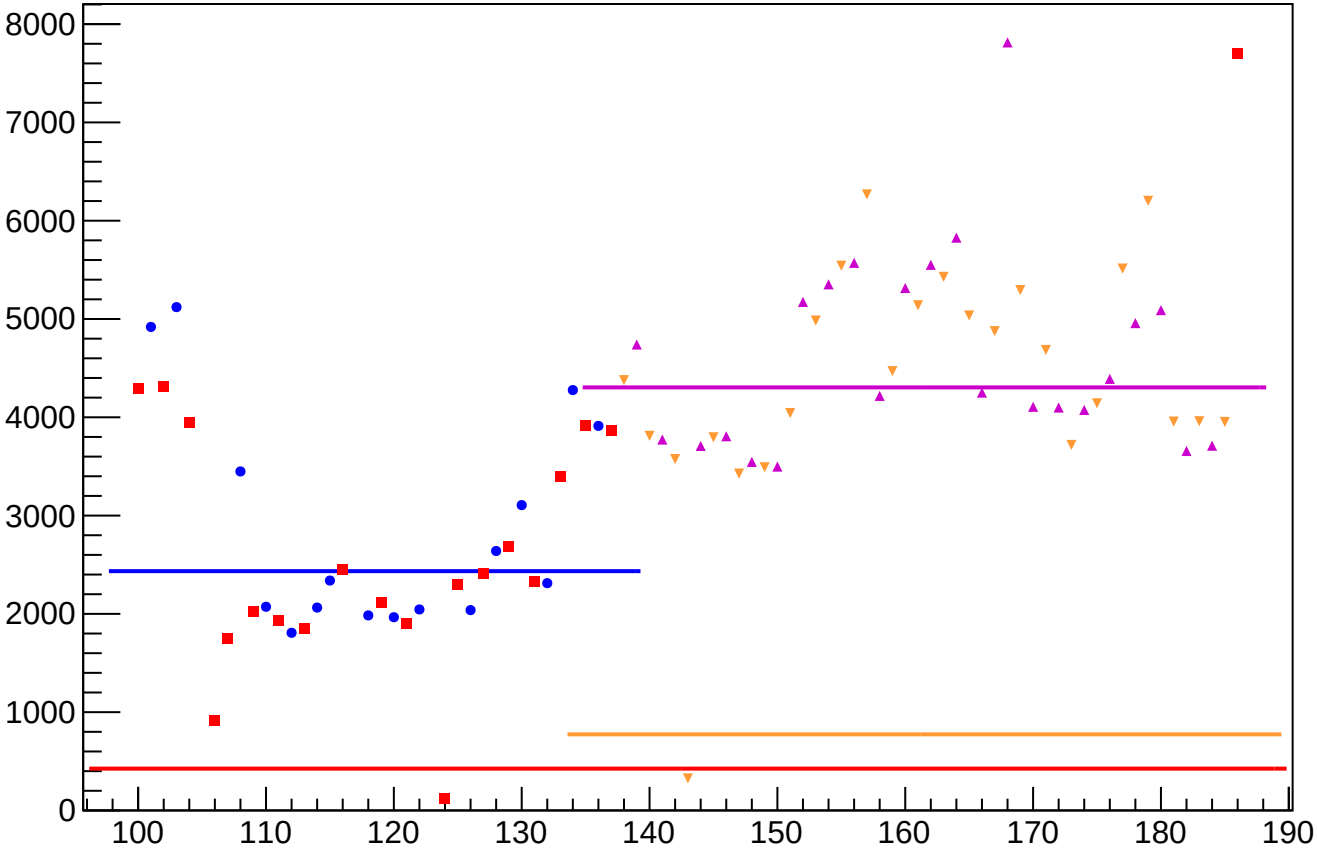
Right: -65.314+/-306.680 χ^2/NDF: 41.5/35

In: 140.566+/-701.245 χ^2/NDF:28.6/38

Out: 35.242+/-235.421 χ^2/NDF:60.5/44

All: 45.911+/-223.180 χ^2/NDF: 89.0/83

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

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

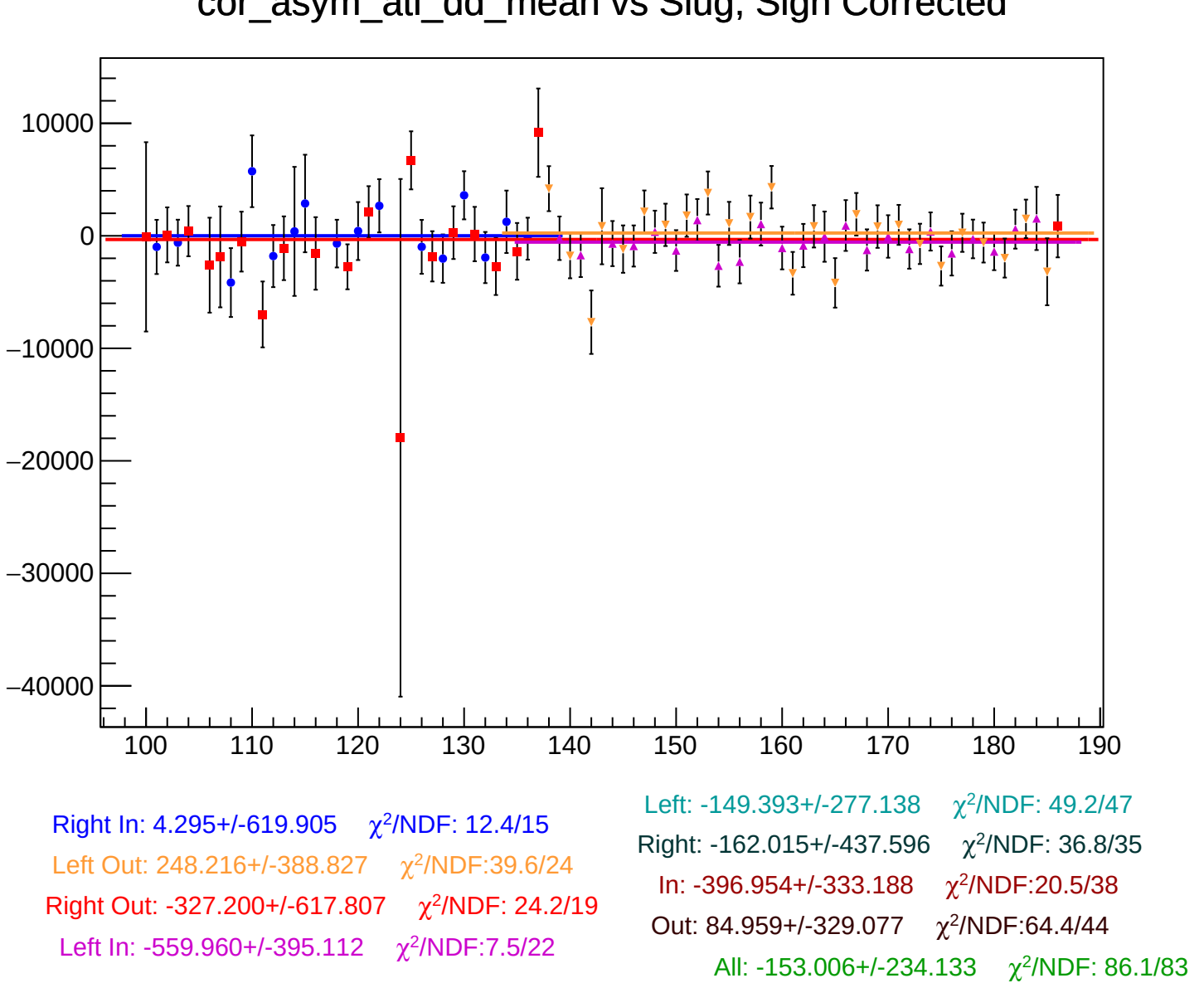
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 630.123+/-0.217 χ^2/NDF: 21102512.0/35

In: 3308.751+/-0.496 χ^2/NDF:6212762.3/38

Out: 589.684+/-0.166 χ^2/NDF:40973655.7/44

All: 865.100+/-0.158 χ^2/NDF: 74210394.9/83


cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
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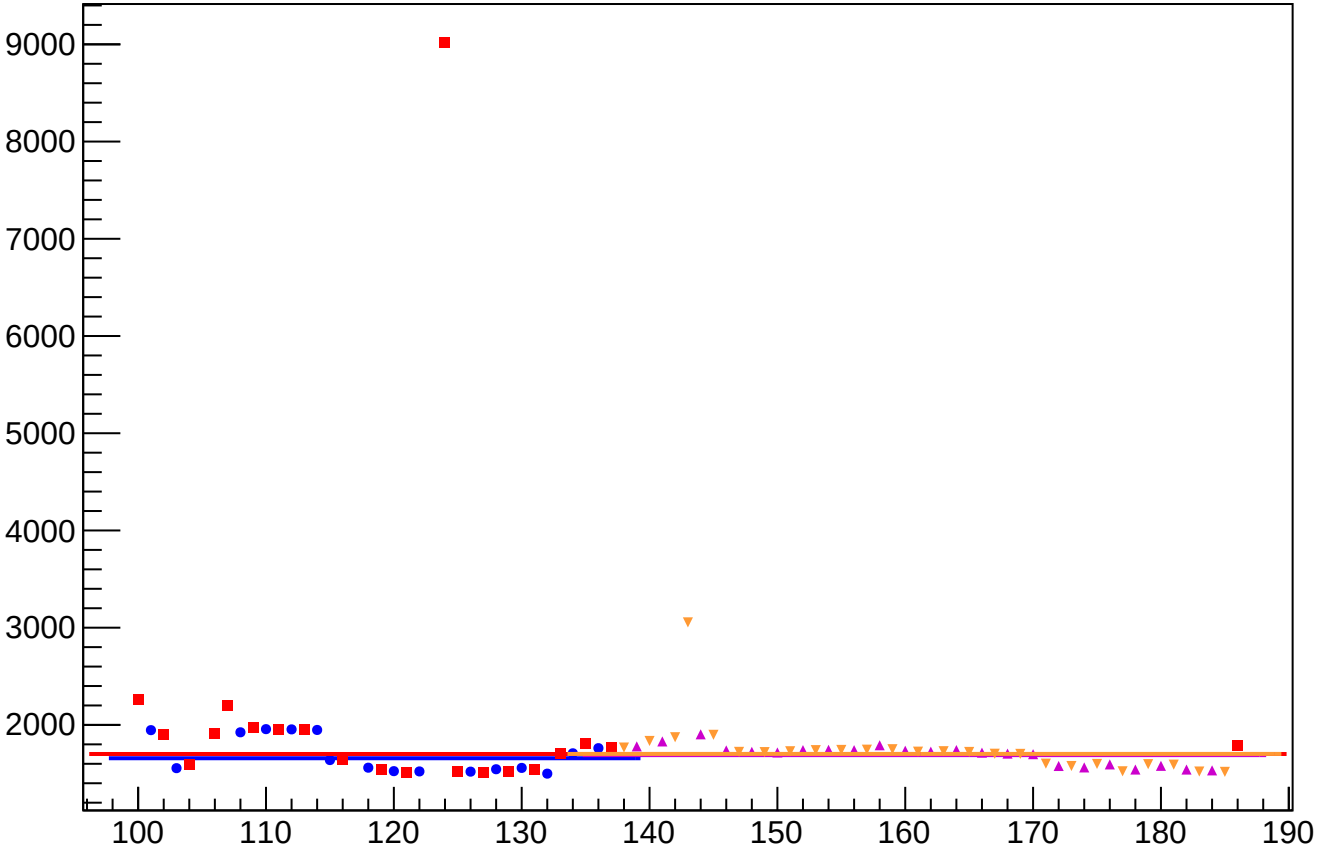
190
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -327.200+/-617.807 χ²/NDF: 24.2/19
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -162.015+/-437.596 χ²/NDF: 36.8/35
In: -396.954+/-333.188 χ²/NDF:20.5/38
Out: 84.959+/-329.077 χ²/NDF:64.4/44
All: -153.006+/-234.133 χ²/NDF: 86.1/83

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

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

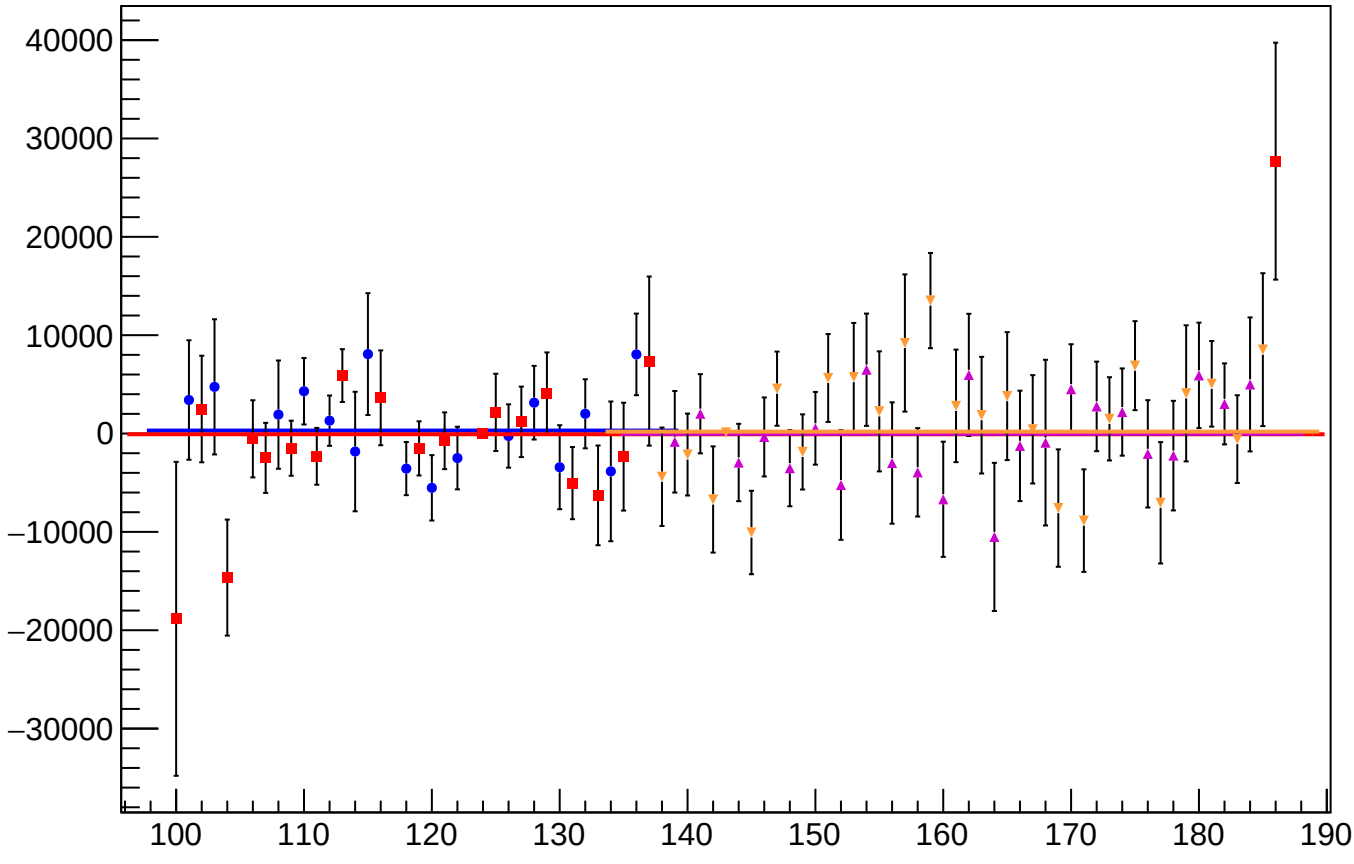
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1679.150+/-0.309 χ^2/NDF: 538969.9/35

In: 1679.974+/-0.236 χ^2/NDF:270123.4/38

Out: 1701.377+/-0.232 χ^2/NDF:842352.8/44

All: 1690.820+/-0.165 χ^2/NDF: 1116658.3/83



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

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

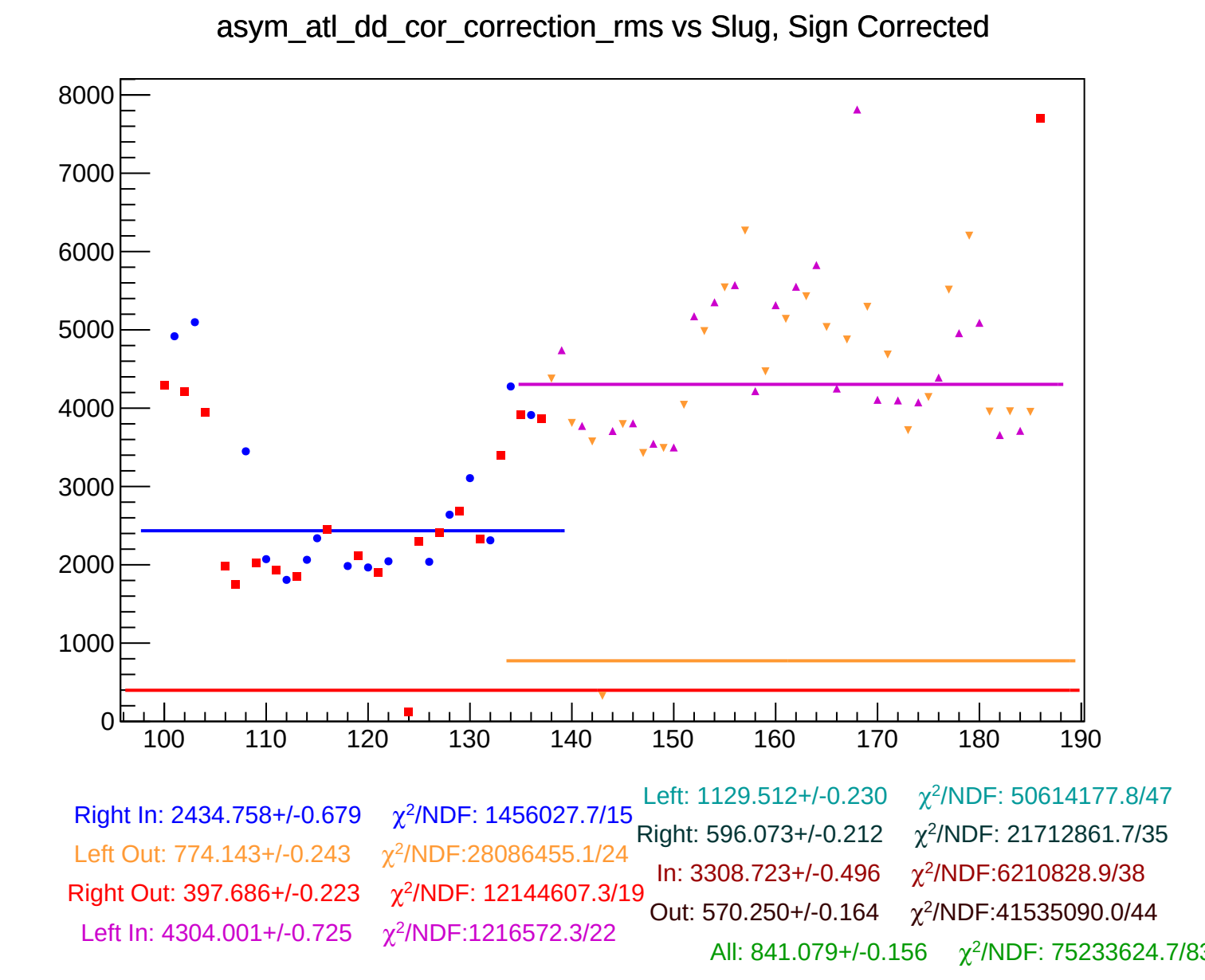
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -36.645+/-299.885 χ^2/NDF: 41.4/35

In: 147.265+/-701.199 χ^2/NDF:28.7/38

Out: 49.261+/-232.299 χ^2/NDF:60.2/44

All: 58.954+/-220.513 χ^2/NDF: 88.9/83


asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected
8000
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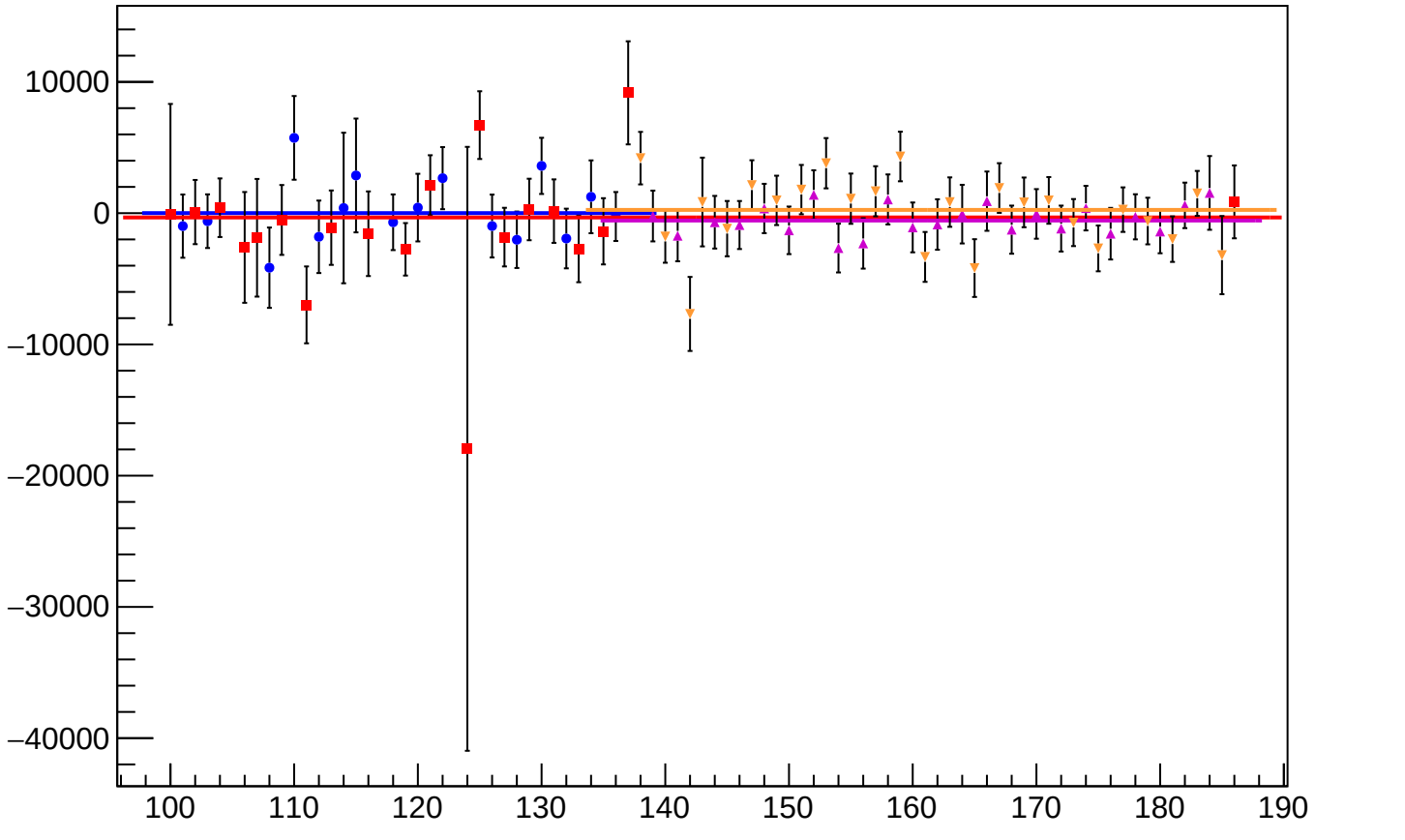
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 2434.758+/-0.679 χ²/NDF: 1456027.7/15
Left Out: 774.143+/-0.243 χ²/NDF:28086455.1/24
Right Out: 397.686+/-0.223 χ²/NDF: 12144607.3/19
Left In: 4304.001+/-0.725 χ²/NDF:1216572.3/22
Left: 1129.512+/-0.230 χ²/NDF: 50614177.8/47
Right: 596.073+/-0.212 χ²/NDF: 21712861.7/35
In: 3308.723+/-0.496 χ²/NDF:6210828.9/38
Out: 570.250+/-0.164 χ²/NDF:41535090.0/44
All: 841.079+/-0.156 χ²/NDF: 75233624.7/83



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -327.200+/-617.807 χ^2/NDF: 24.2/19

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

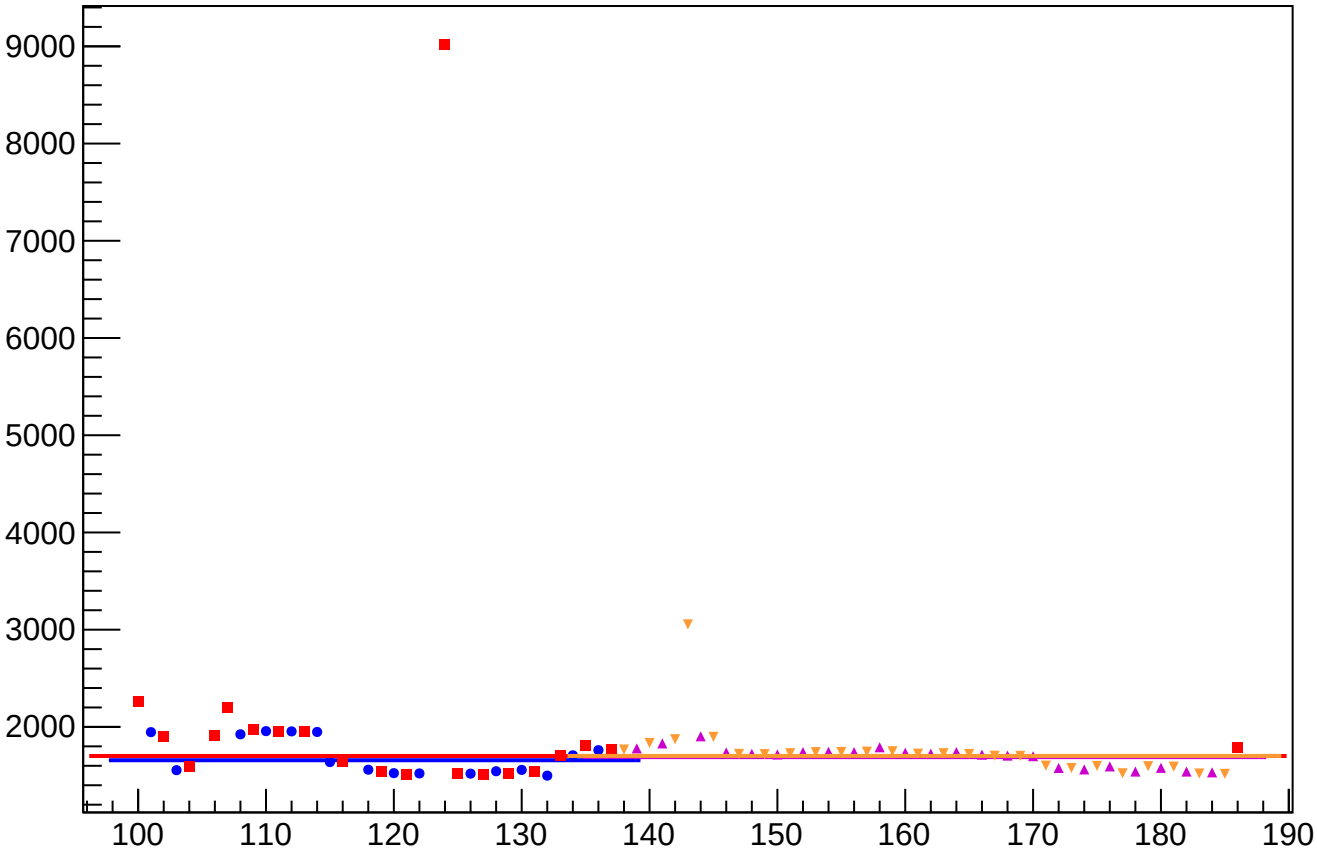
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -162.015+/-437.596 χ^2/NDF: 36.8/35

In: -396.954+/-333.188 χ^2/NDF:20.5/38

Out: 84.959+/-329.077 χ^2/NDF:64.4/44

All: -153.006+/-234.133 χ^2/NDF: 86.1/83



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

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

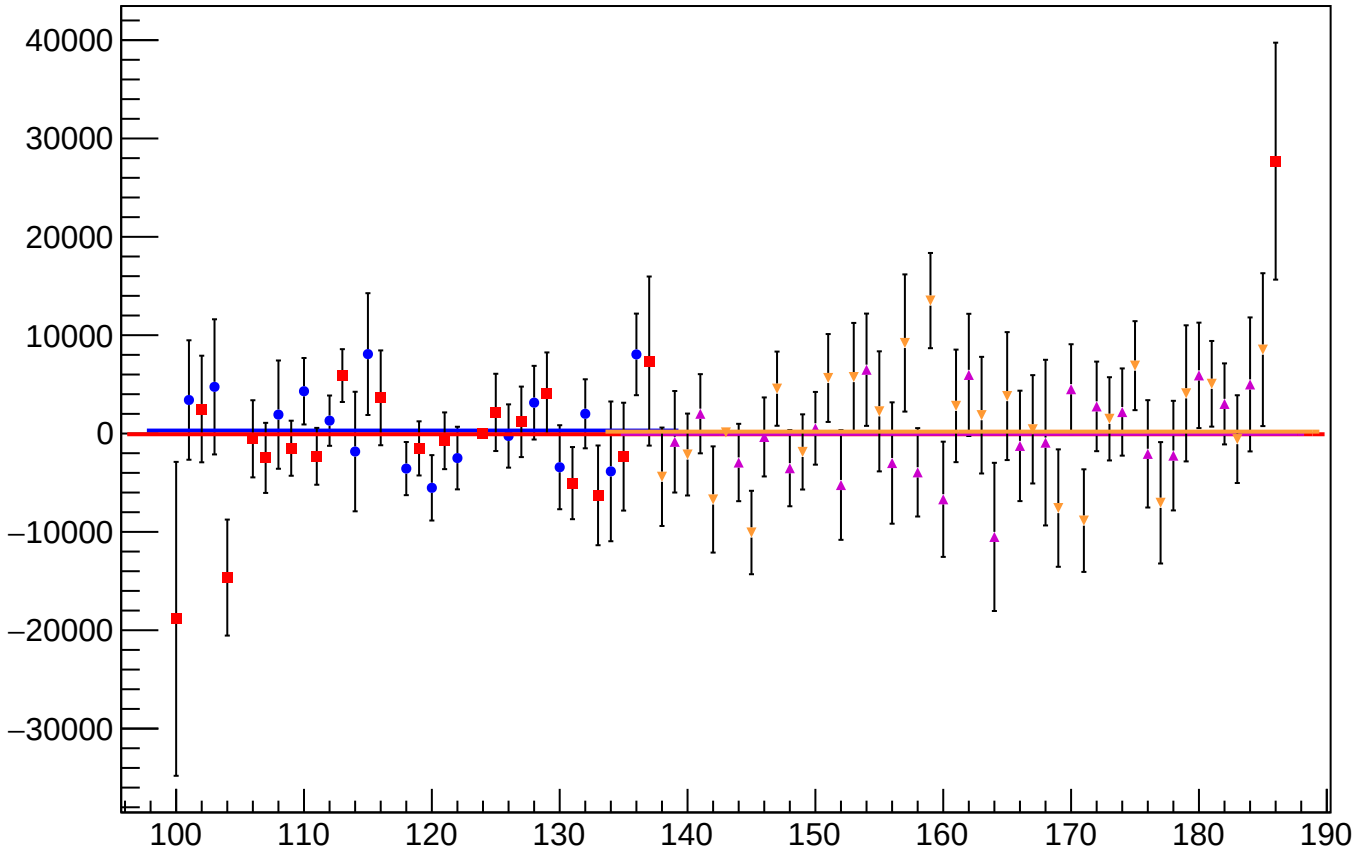
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1679.150+/-0.309 χ^2/NDF: 538969.9/35

In: 1679.974+/-0.236 χ^2/NDF:270123.4/38

Out: 1701.377+/-0.232 χ^2/NDF:842352.8/44

All: 1690.820+/-0.165 χ^2/NDF: 1116658.3/83



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

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

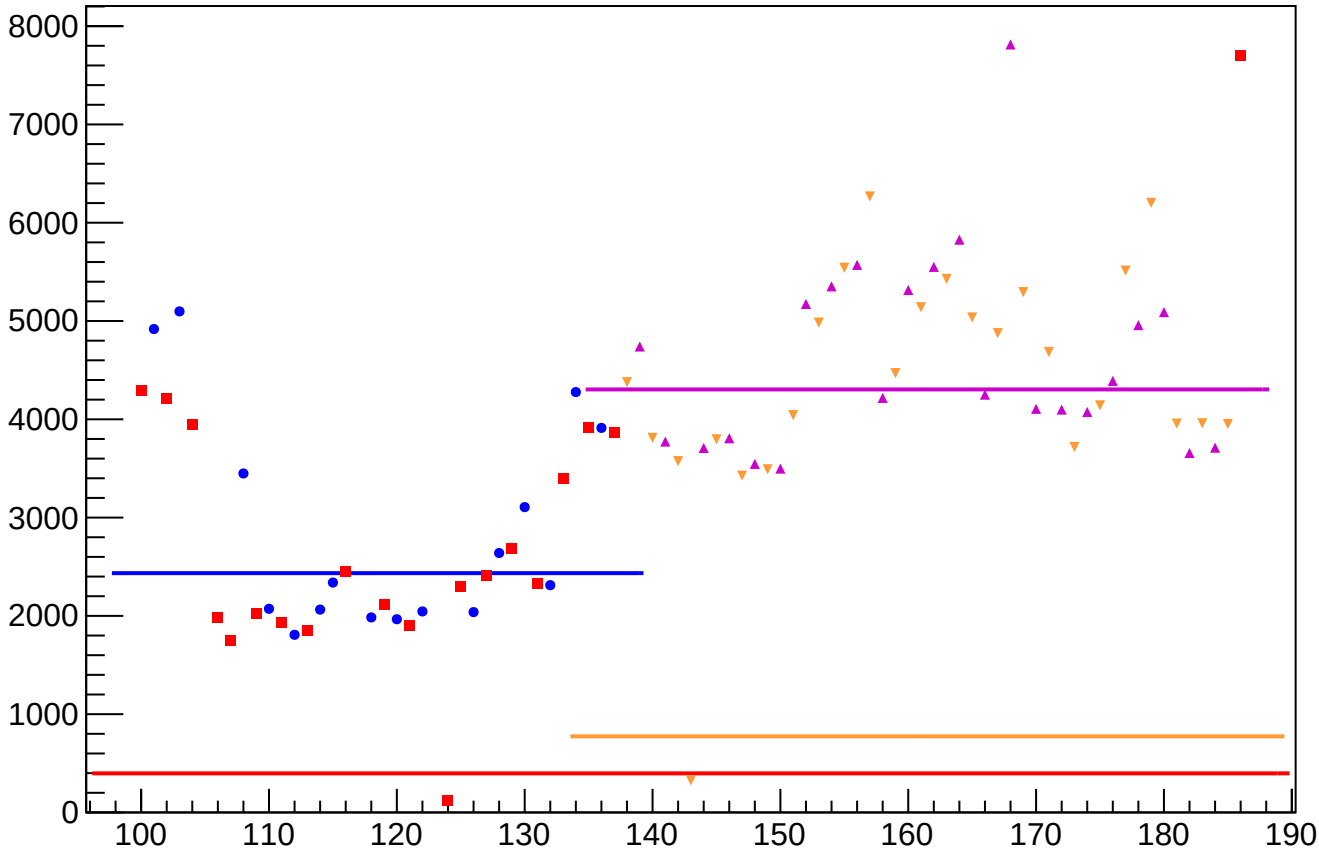
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -36.645+/-299.885 χ^2/NDF: 41.4/35

In: 147.265+/-701.199 χ^2/NDF:28.7/38

Out: 49.261+/-232.299 χ^2/NDF:60.2/44

All: 58.954+/-220.513 χ^2/NDF: 88.9/83



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

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

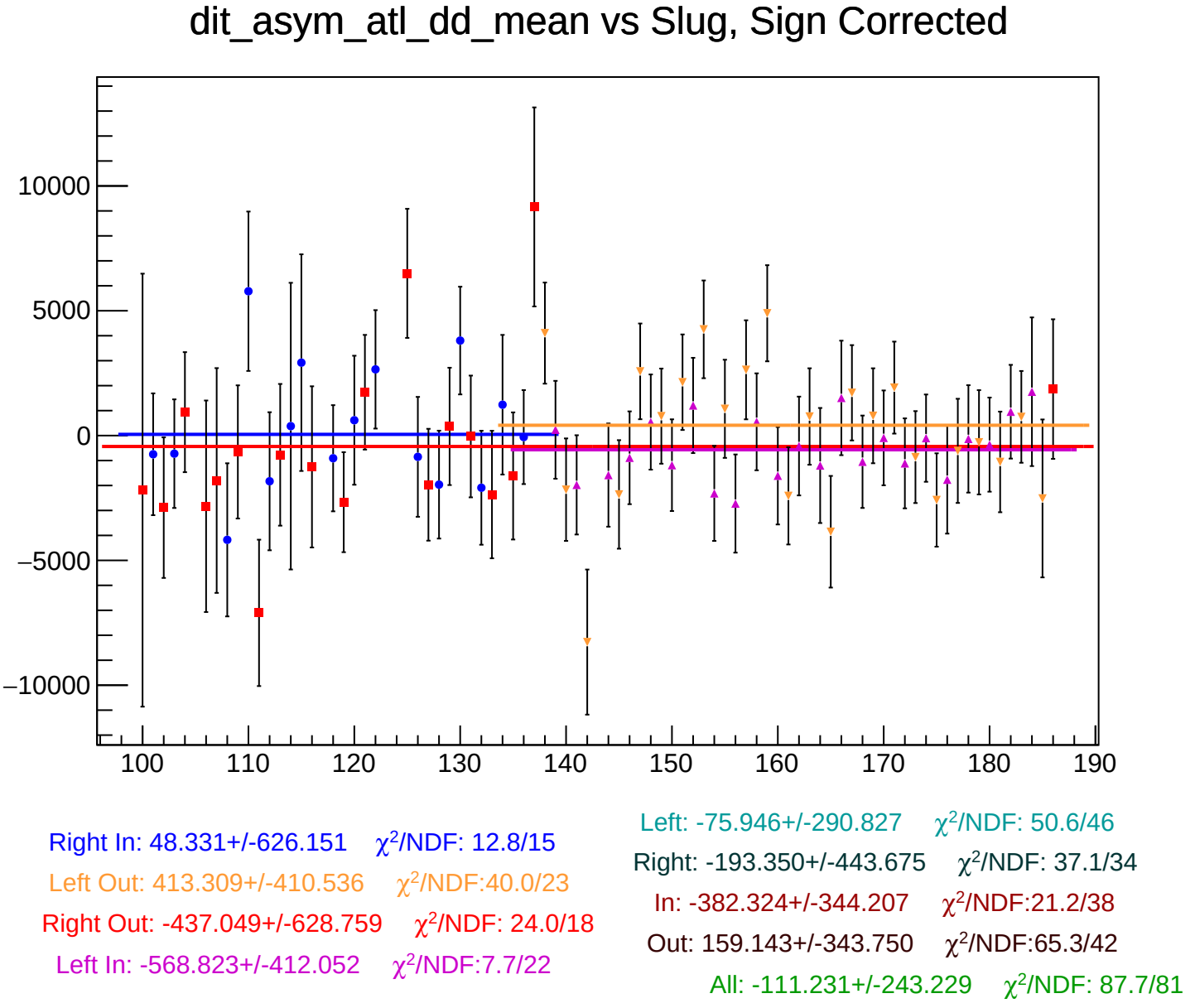
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 596.073+/-0.212 χ^2/NDF: 21712861.7/35

In: 3308.723+/-0.496 χ^2/NDF:6210828.9/38

Out: 570.250+/-0.164 χ^2/NDF:41535090.0/44

All: 841.079+/-0.156 χ^2/NDF: 75233624.7/83


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
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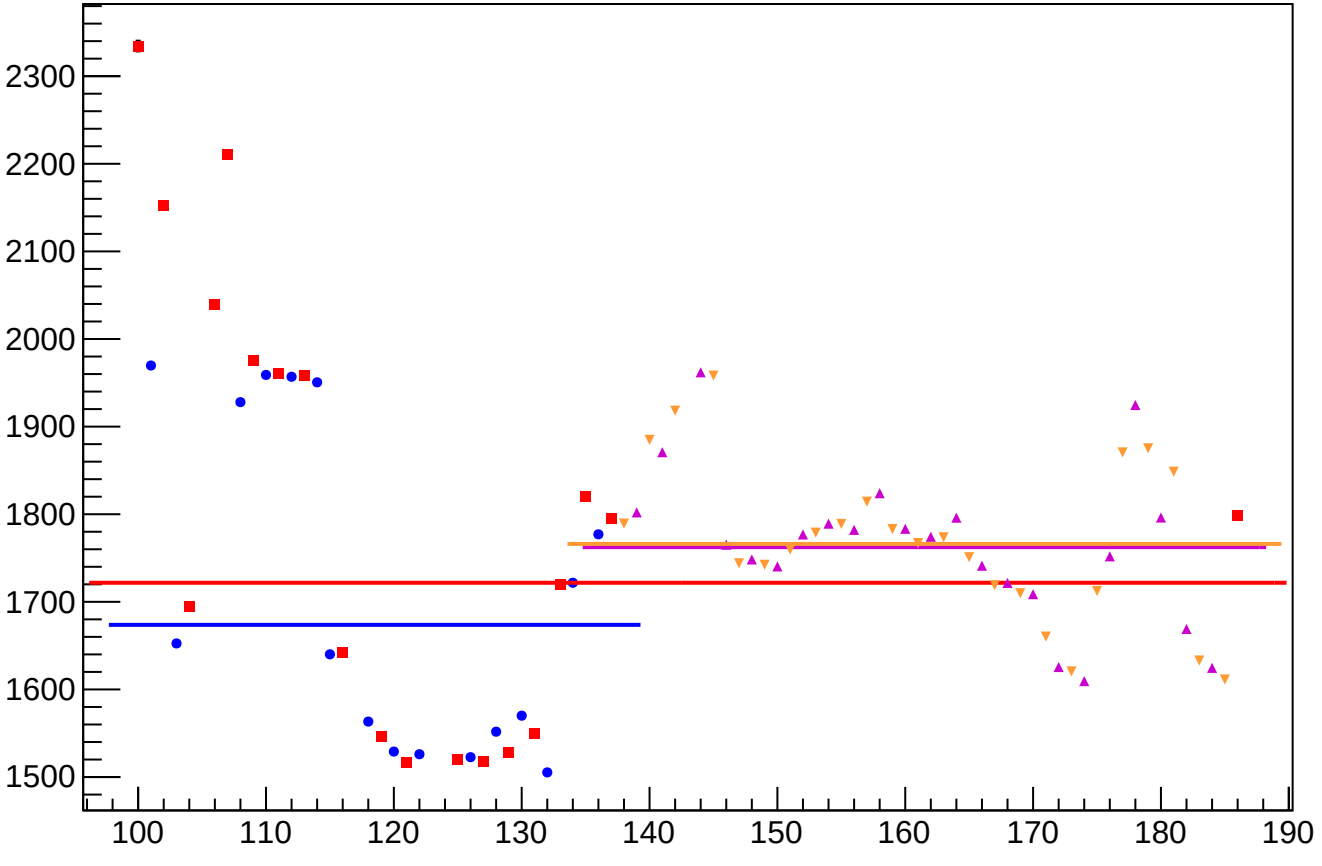
190
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 413.309+/-410.536 χ²/NDF:40.0/23
Right Out: -437.049+/-628.759 χ²/NDF: 24.0/18
Left In: -568.823+/-412.052 χ²/NDF:7.7/22
Left: -75.946+/-290.827 χ²/NDF: 50.6/46
Right: -193.350+/-443.675 χ²/NDF: 37.1/34
In: -382.324+/-344.207 χ²/NDF:21.2/38
Out: 159.143+/-343.750 χ²/NDF:65.3/42
All: -111.231+/-243.229 χ²/NDF: 87.7/81

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

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

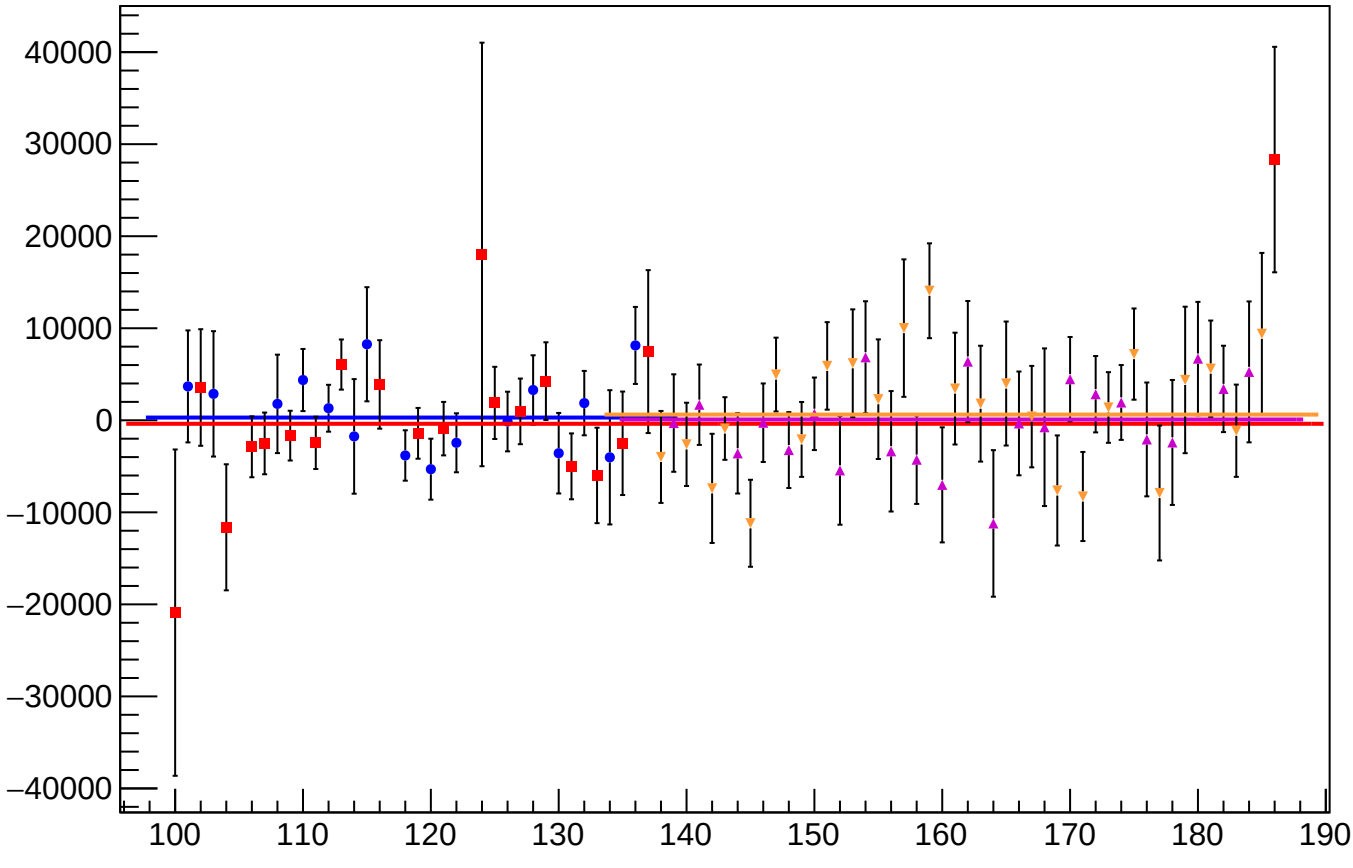
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1697.706+/-0.313 χ^2/NDF: 375974.9/34

In: 1735.608+/-0.243 χ^2/NDF:248955.3/38

Out: 1752.822+/-0.243 χ^2/NDF:319471.1/42

All: 1744.232+/-0.172 χ^2/NDF: 570932.5/81



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

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

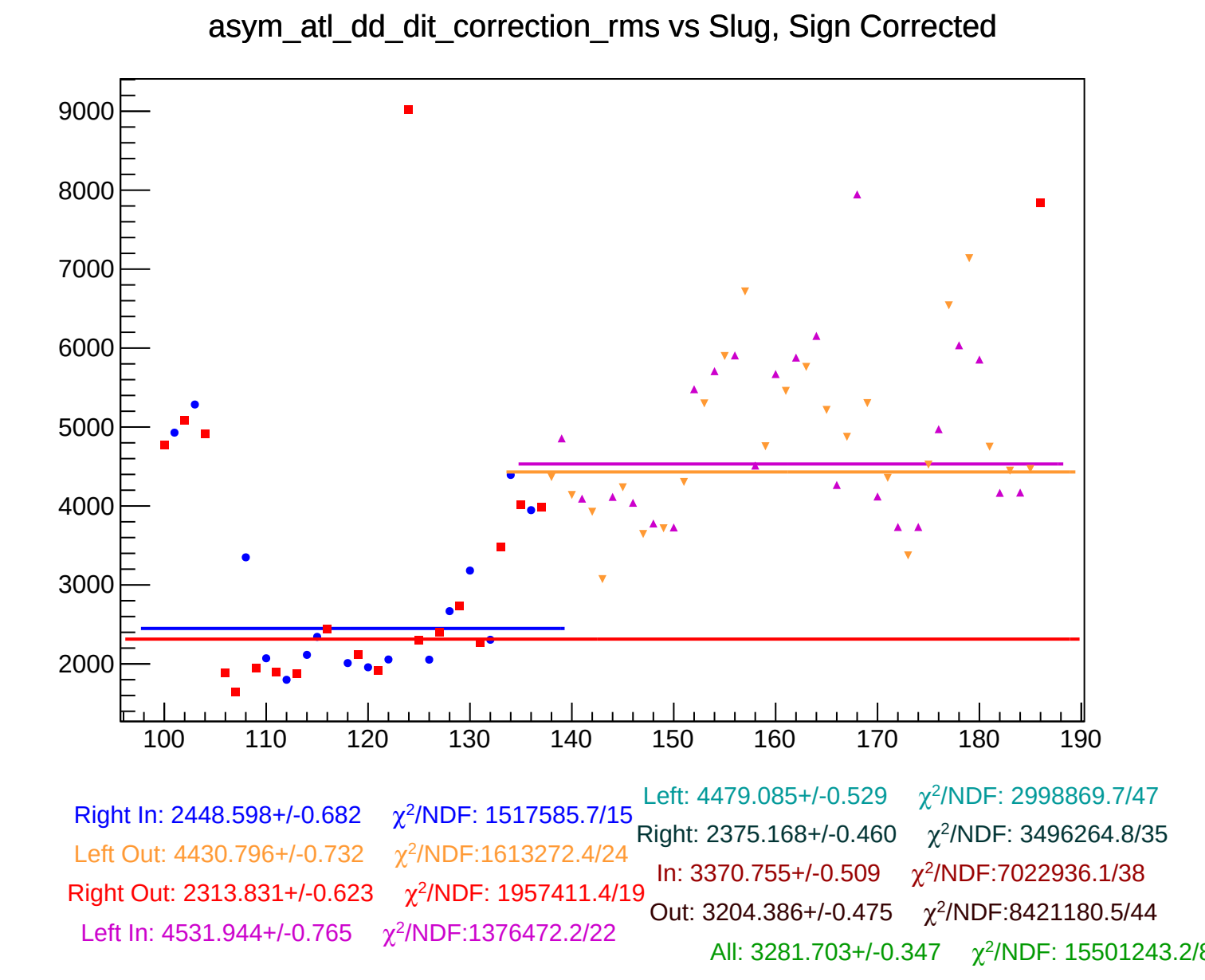
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: -72.922+/-650.808 χ^2/NDF: 39.8/35

In: 203.119+/-720.199 χ^2/NDF:28.2/38

Out: 39.650+/-671.074 χ^2/NDF:57.9/44

All: 115.619+/-490.970 χ^2/NDF: 86.1/83


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
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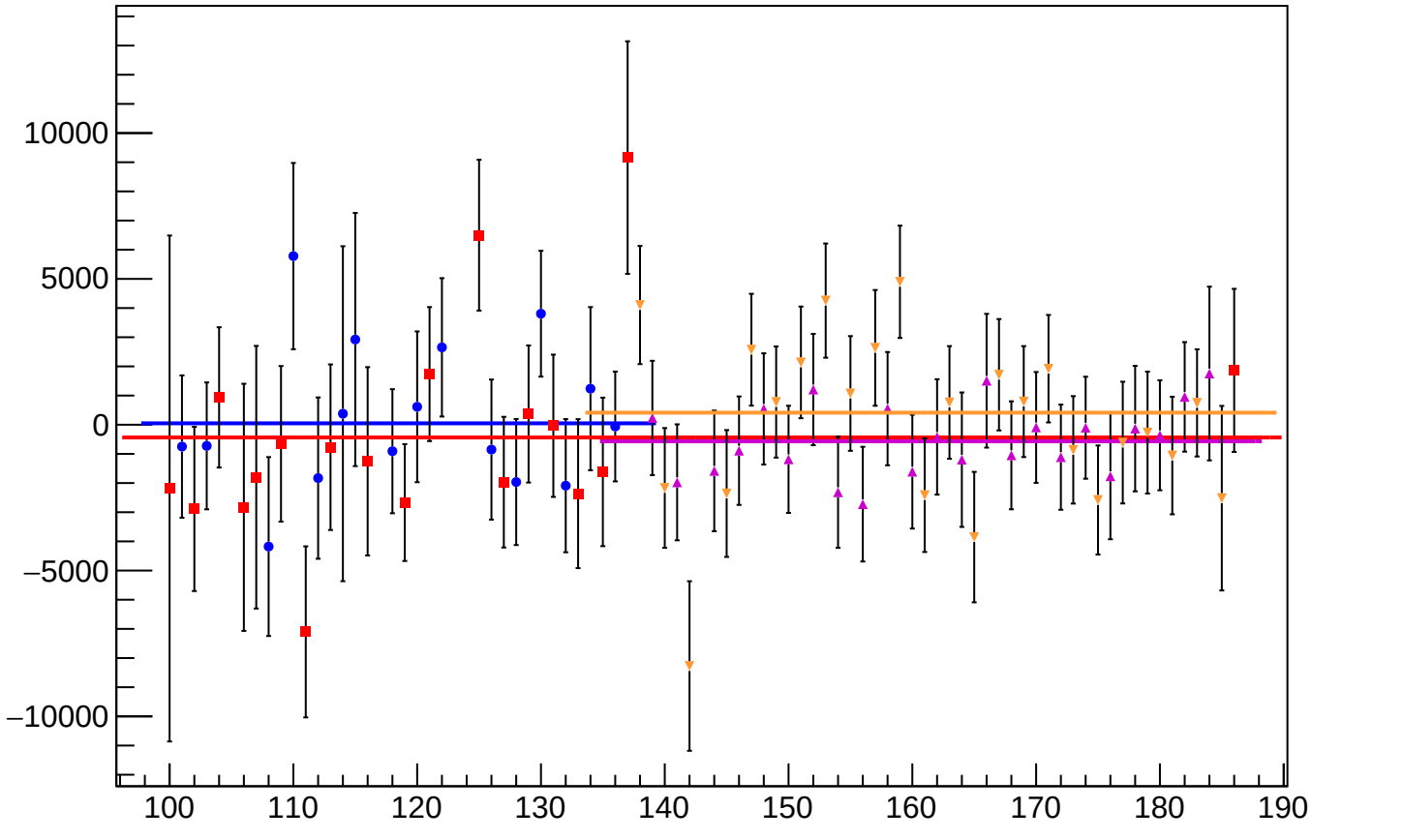
Right In: 2448.598+/-0.682 χ²/NDF: 1517585.7/15
Left Out: 4430.796+/-0.732 χ²/NDF:1613272.4/24
Right Out: 2313.831+/-0.623 χ²/NDF: 1957411.4/19
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.085+/-0.529 χ²/NDF: 2998869.7/47
Right: 2375.168+/-0.460 χ²/NDF: 3496264.8/35
In: 3370.755+/-0.509 χ²/NDF:7022936.1/38
Out: 3204.386+/-0.475 χ²/NDF:8421180.5/44
All: 3281.703+/-0.347 χ²/NDF: 15501243.2/8



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -437.053+/-628.759 χ^2/NDF: 24.0/18

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

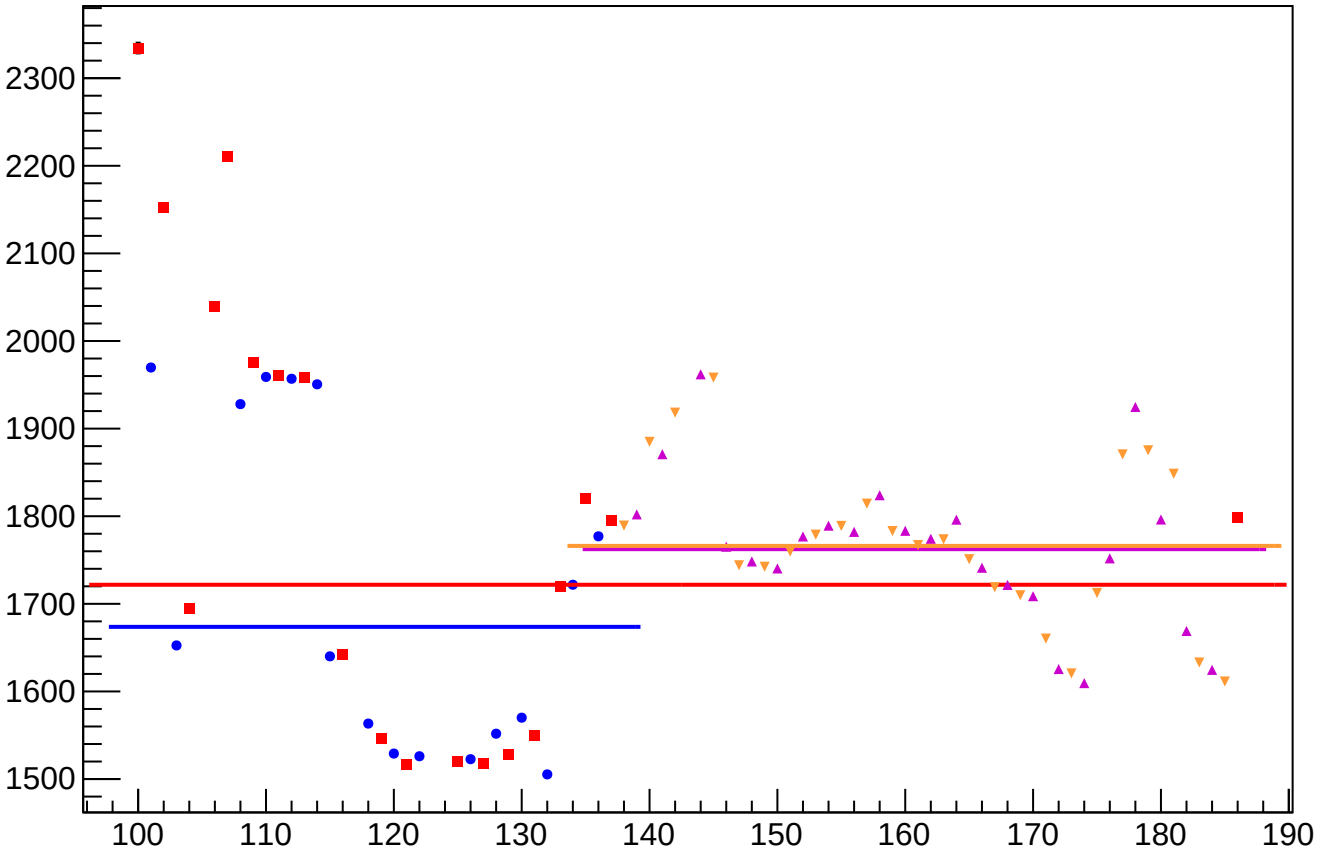
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -193.353+/-443.675 χ^2/NDF: 37.1/34

In: -382.324+/-344.207 χ^2/NDF:21.2/38

Out: 159.142+/-343.750 χ^2/NDF:65.3/42

All: -111.231+/-243.230 χ^2/NDF: 87.7/81



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

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

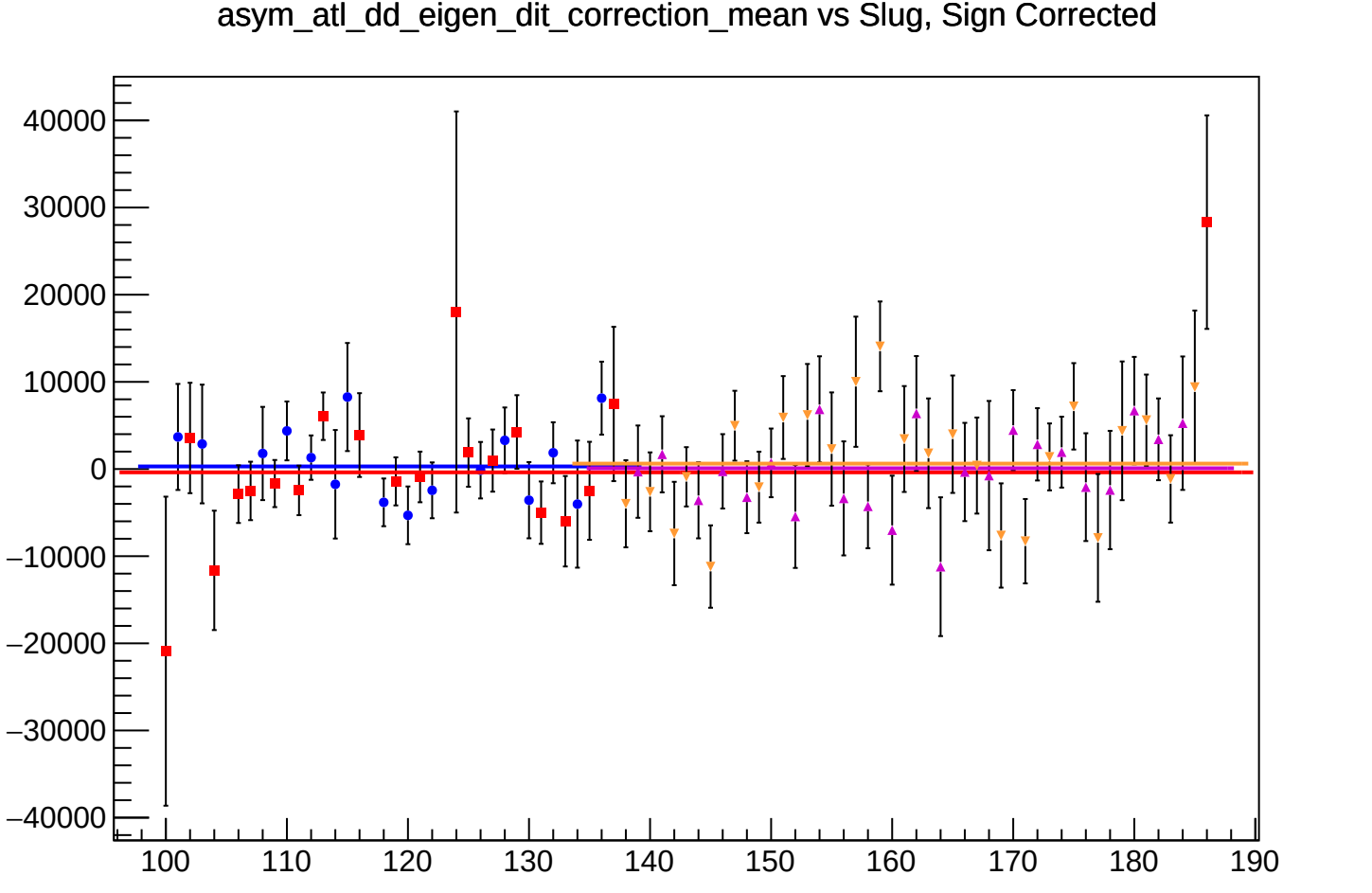
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1697.706+/-0.313 χ^2/NDF: 375974.2/34

In: 1735.609+/-0.243 χ^2/NDF:248958.7/38

Out: 1752.823+/-0.243 χ^2/NDF:319473.7/42

All: 1744.233+/-0.172 χ^2/NDF: 570938.4/81



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

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

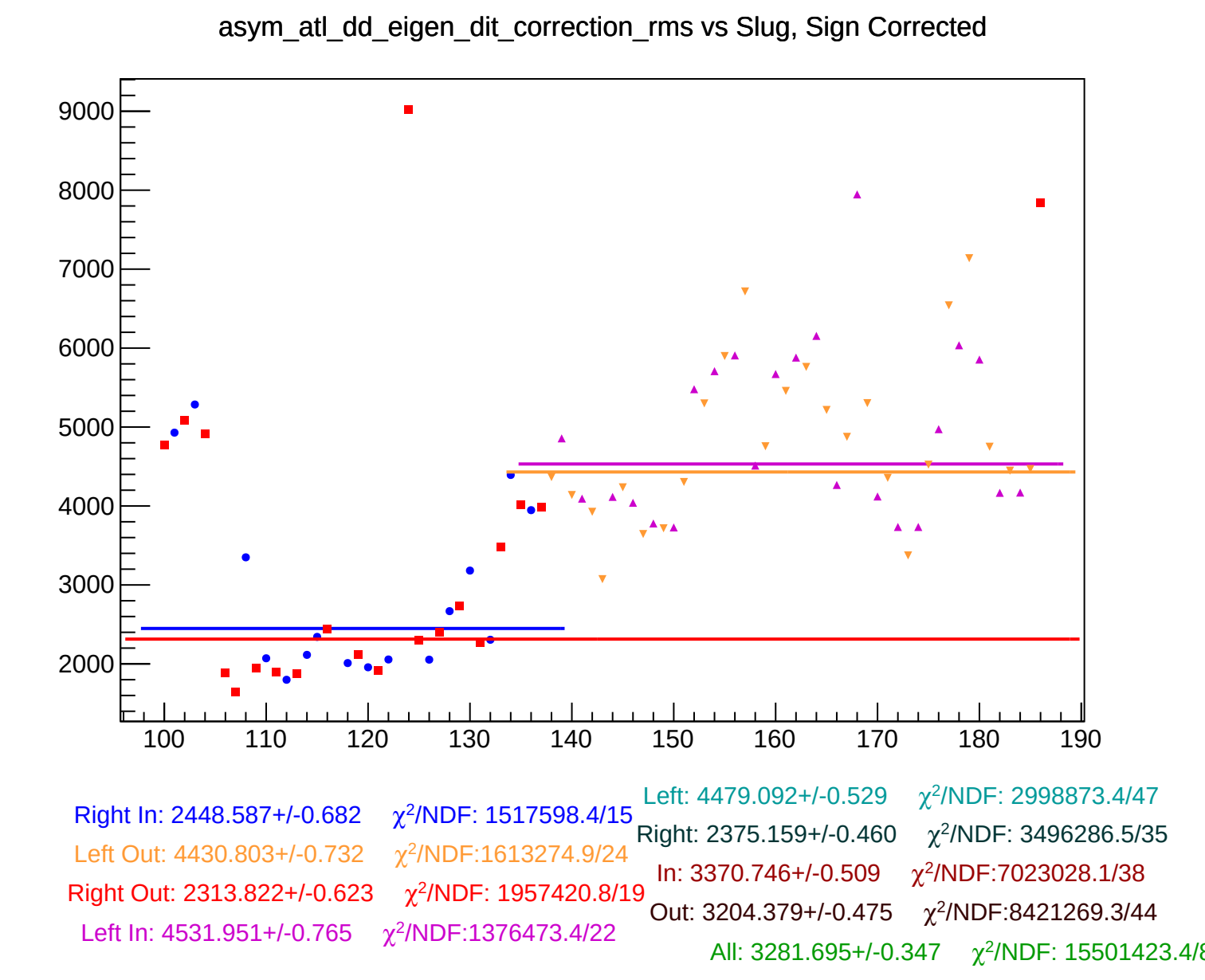
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: -72.926+/-650.806 χ^2/NDF: 39.8/35

In: 203.116+/-720.198 χ^2/NDF:28.2/38

Out: 39.648+/-671.073 χ^2/NDF:57.9/44

All: 115.617+/-490.969 χ^2/NDF: 86.1/83


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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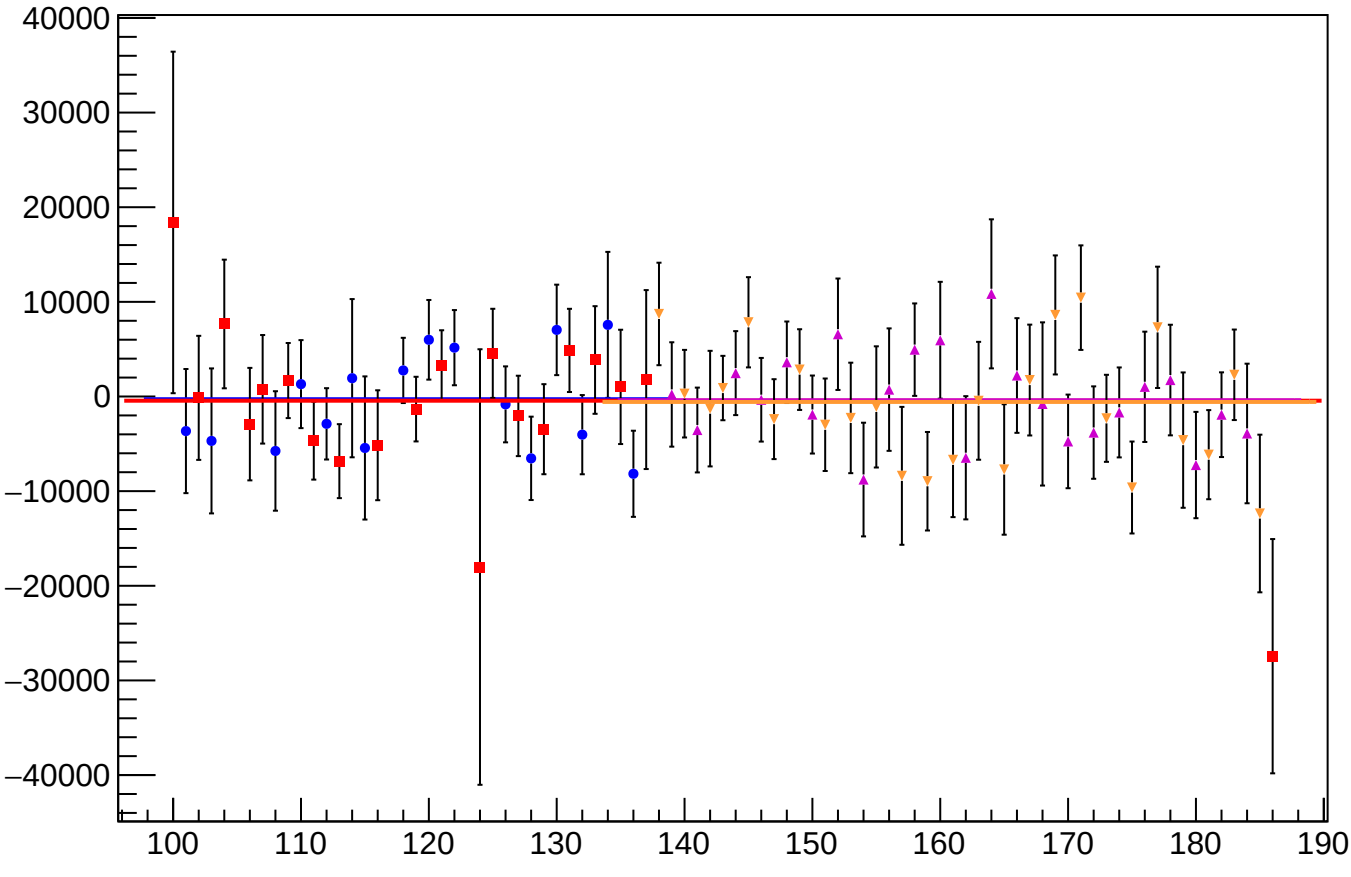
190
Right In: 2448.587+/-0.682 χ²/NDF: 1517598.4/15
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2313.822+/-0.623 χ²/NDF: 1957420.8/19
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2375.159+/-0.460 χ²/NDF: 3496286.5/35
In: 3370.746+/-0.509 χ²/NDF:7023028.1/38
Out: 3204.379+/-0.475 χ²/NDF:8421269.3/44
All: 3281.695+/-0.347 χ²/NDF: 15501423.4/8



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

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

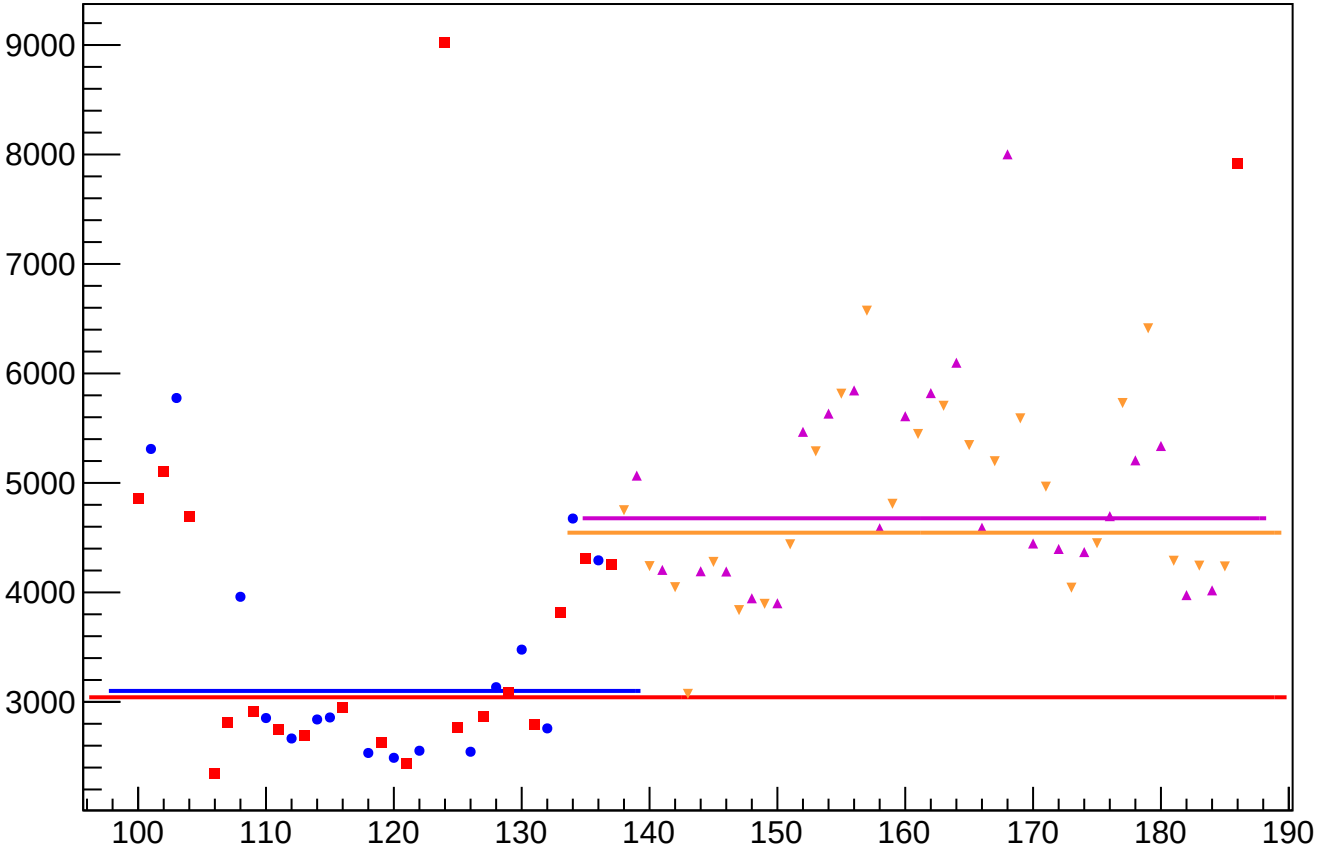
Right: -368.902+/-828.939 χ^2/NDF: 34.2/35

In: -347.066+/-813.814 χ^2/NDF:30.6/38

Out: -514.073+/-776.969 χ^2/NDF:46.4/44

All: -434.436+/-561.974 χ^2/NDF: 77.0/83

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

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

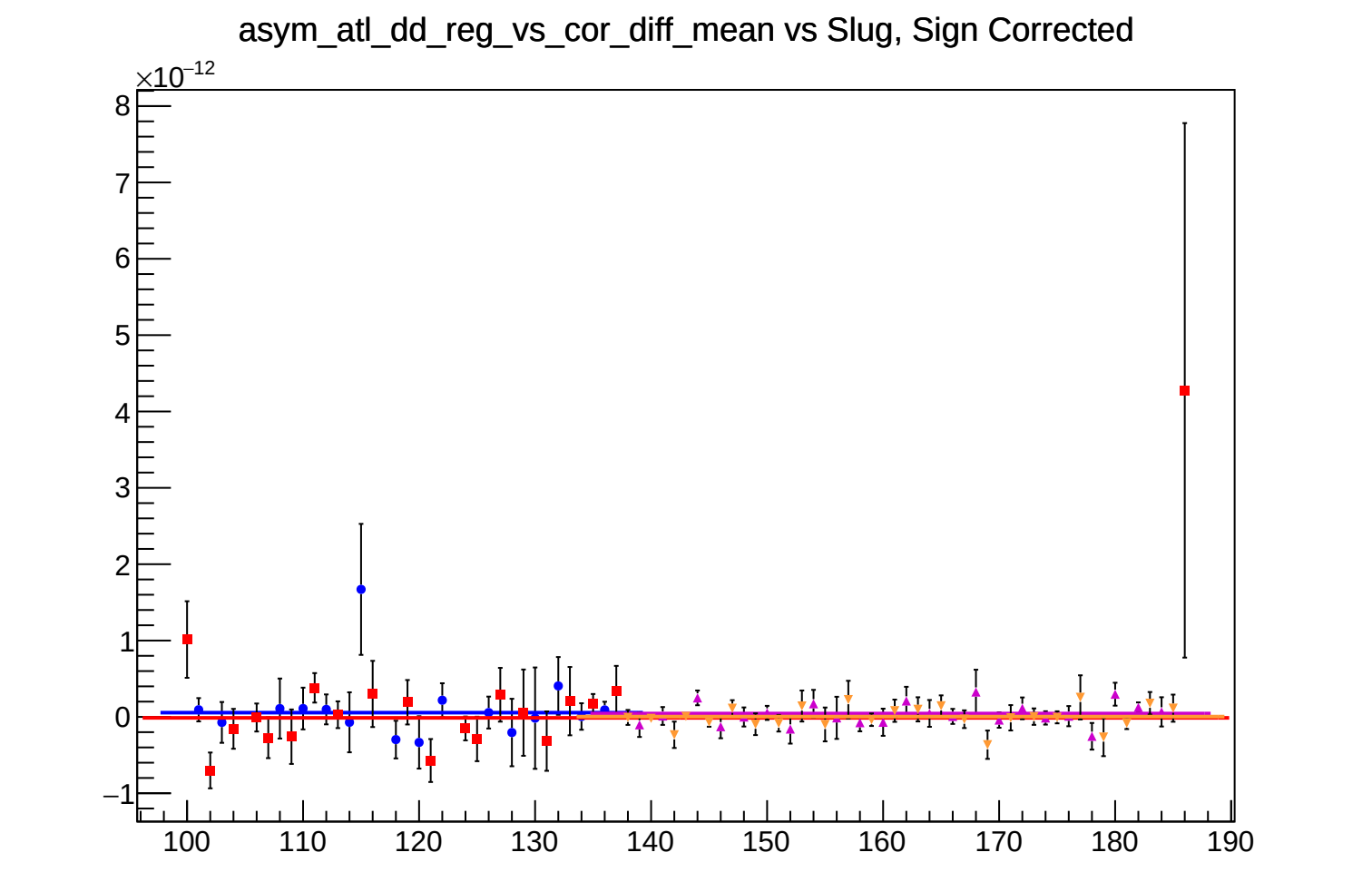
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3069.482+/-0.582 χ^2/NDF: 2086298.7/35

In: 3948.556+/-0.575 χ^2/NDF:3790007.7/38

Out: 3847.655+/-0.546 χ^2/NDF:4264540.2/44

All: 3895.457+/-0.396 χ^2/NDF: 8070727.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

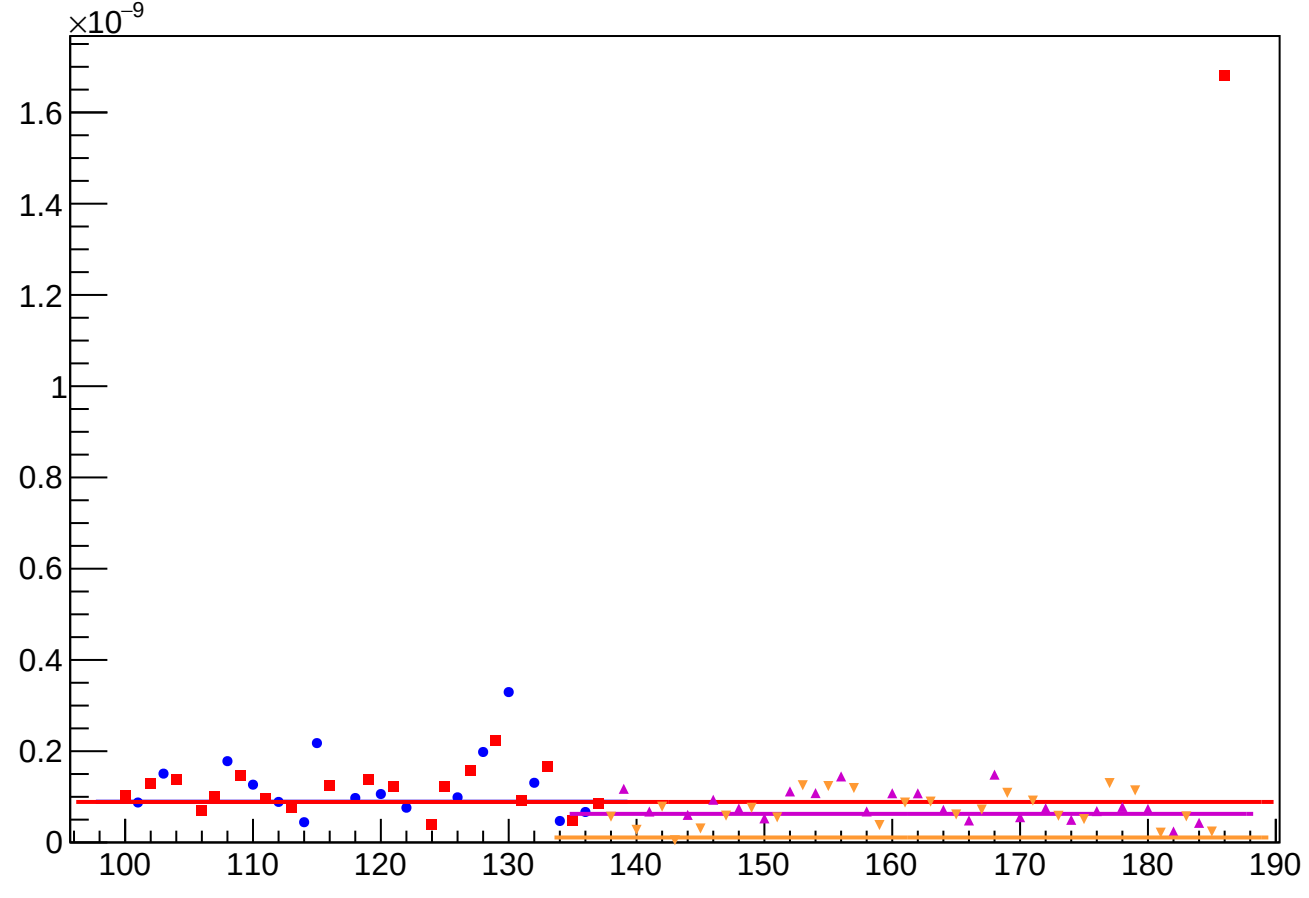
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 41.6/35

In: 0.000+/-0.000 χ^2/NDF:30.0/38

Out: 0.000+/-0.000 χ^2/NDF:49.8/44

All: 0.000+/-0.000 χ^2/NDF: 82.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

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

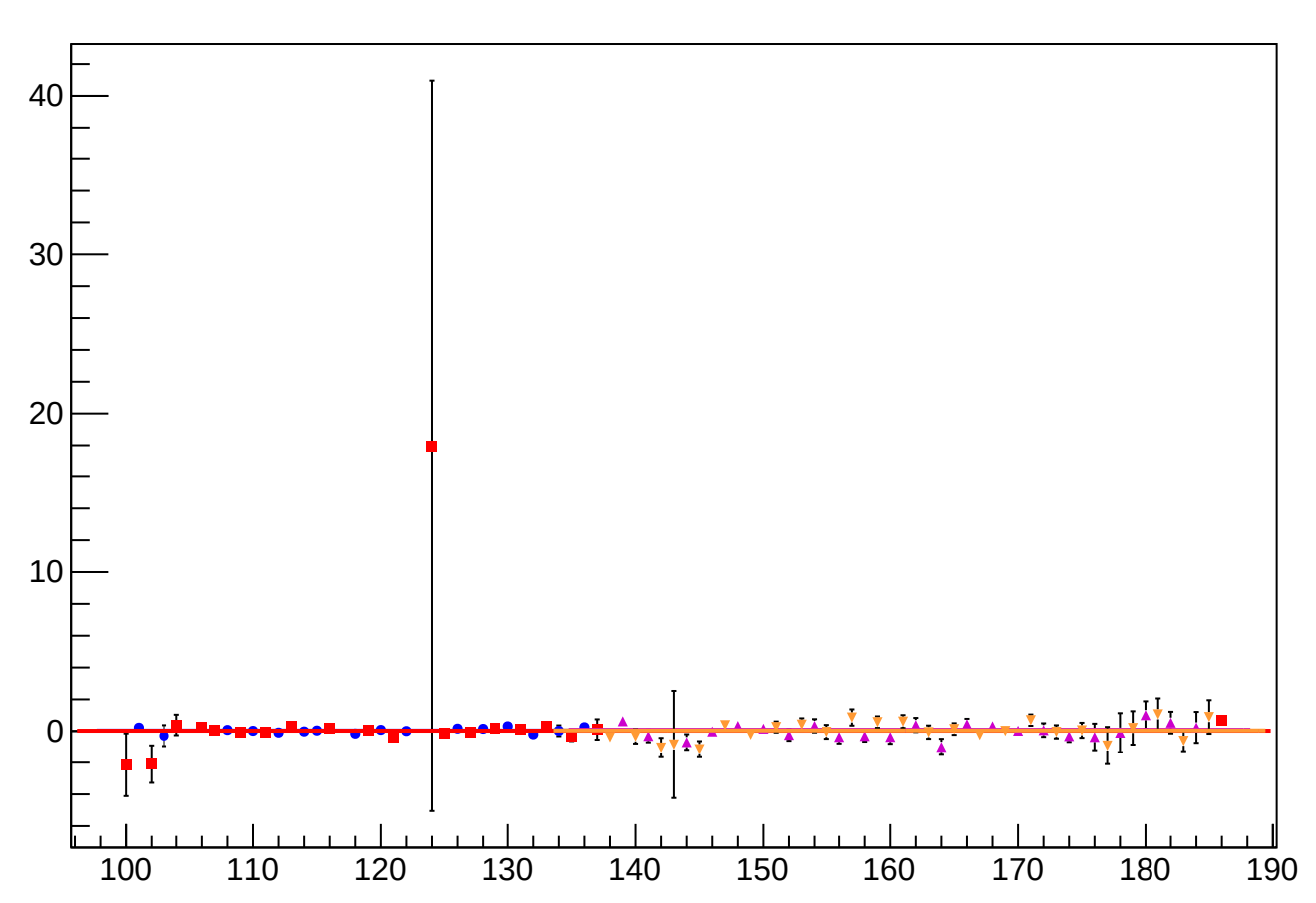
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 2377490.9/35

In: 0.000+/-0.000 χ^2/NDF:3407988.9/38

Out: 0.000+/-0.000 χ^2/NDF:14950176.5/44

All: 0.000+/-0.000 χ^2/NDF: 27908488.5/83



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

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

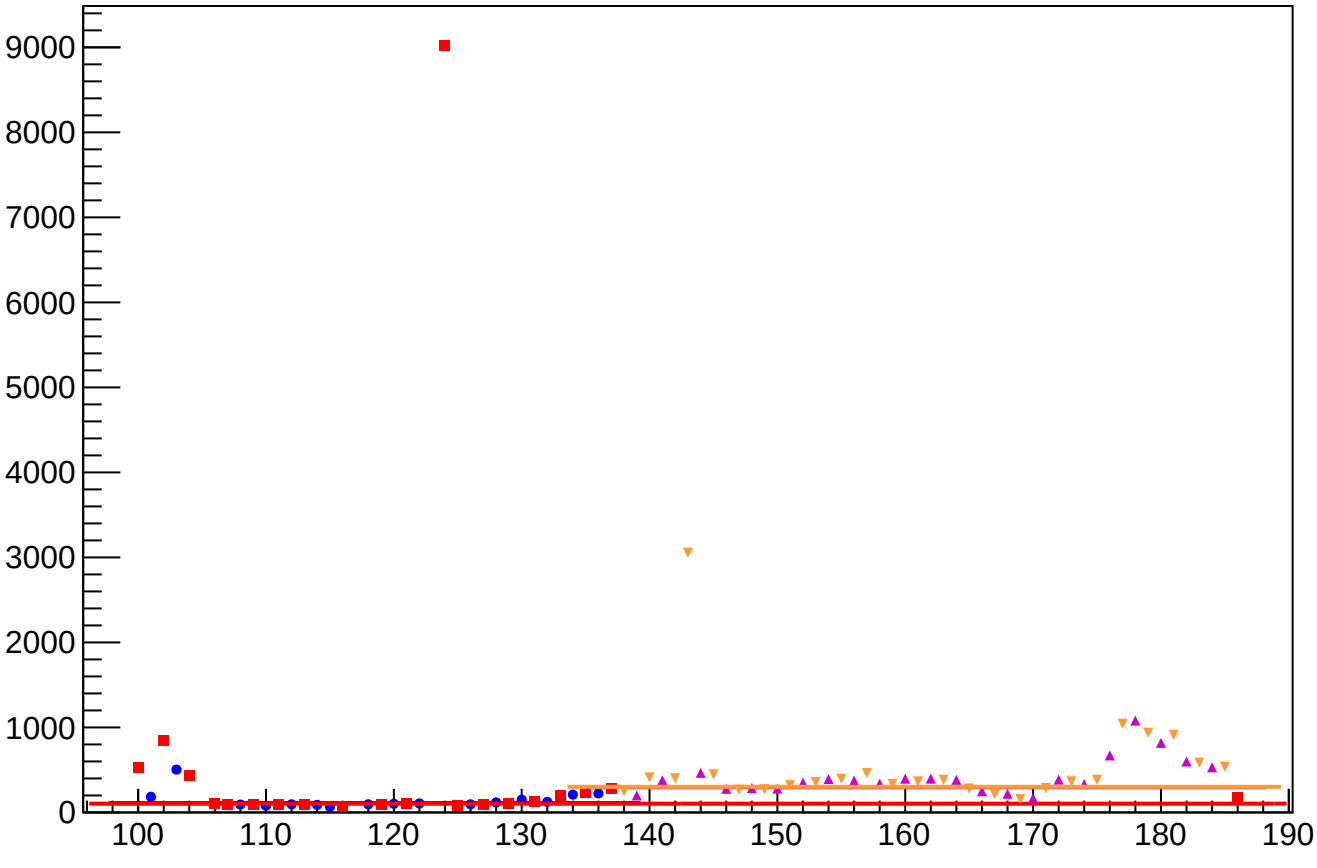
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.023+/-0.031 χ^2/NDF: 36.8/35

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.032+/-0.027 χ^2/NDF: 91.0/83



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

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

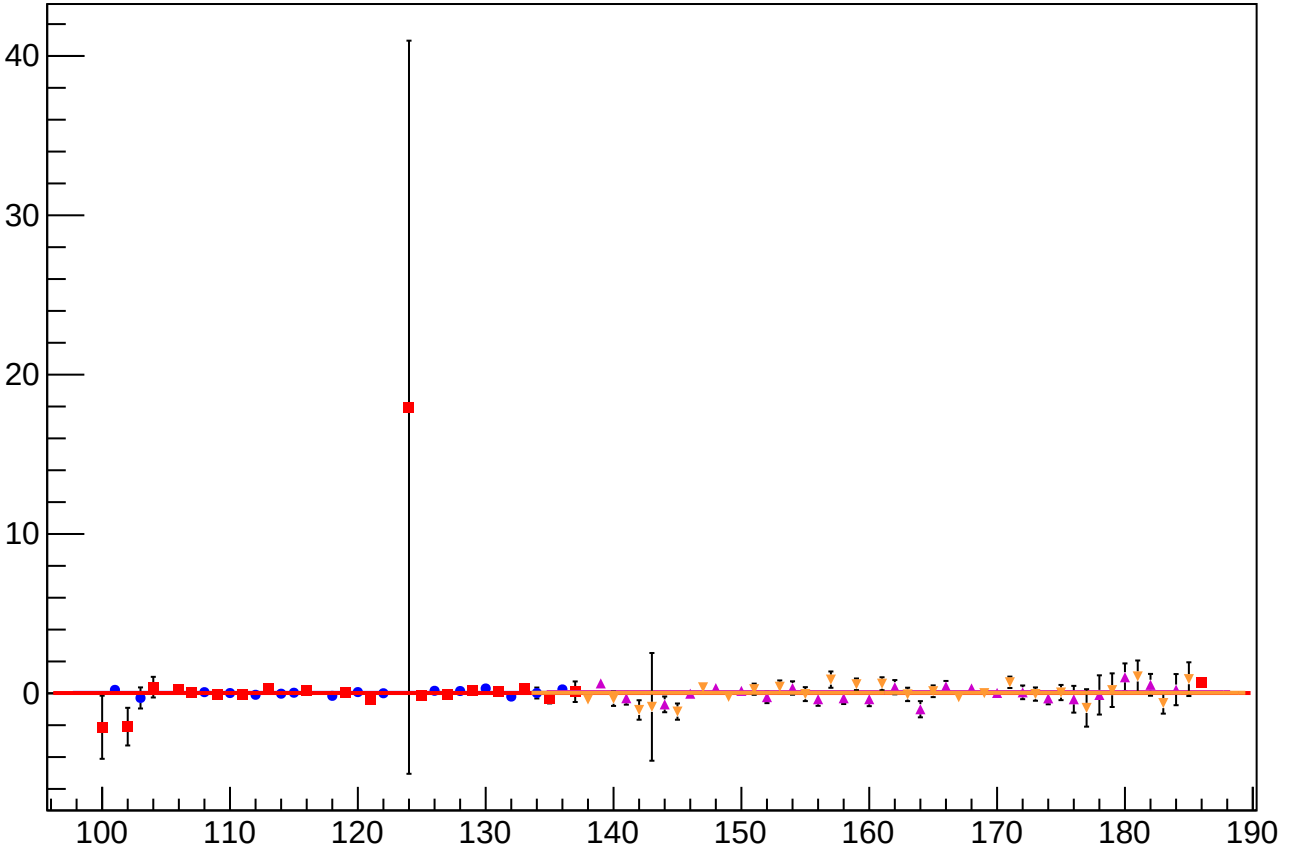
Right: 106.576+/-0.022 χ^2/NDF: 4667603.6/35

In: 159.231+/-0.027 χ^2/NDF:15817339.1/38

Out: 150.465+/-0.026 χ^2/NDF:19541032.6/44

All: 154.683+/-0.019 χ^2/NDF: 35411125.5/83

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-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

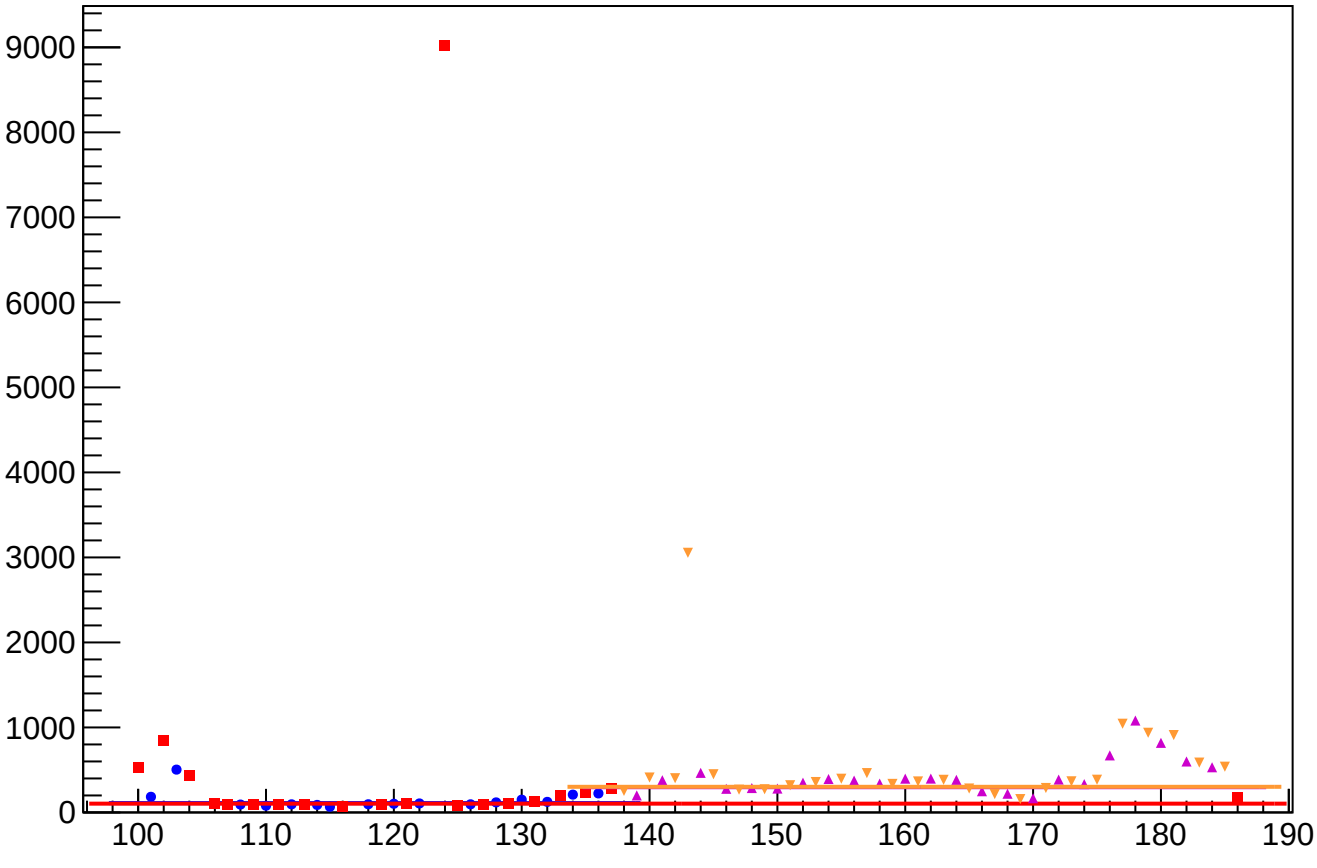
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.023+/-0.031 χ^2/NDF: 36.8/35

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.032+/-0.027 χ^2/NDF: 91.0/83



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

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

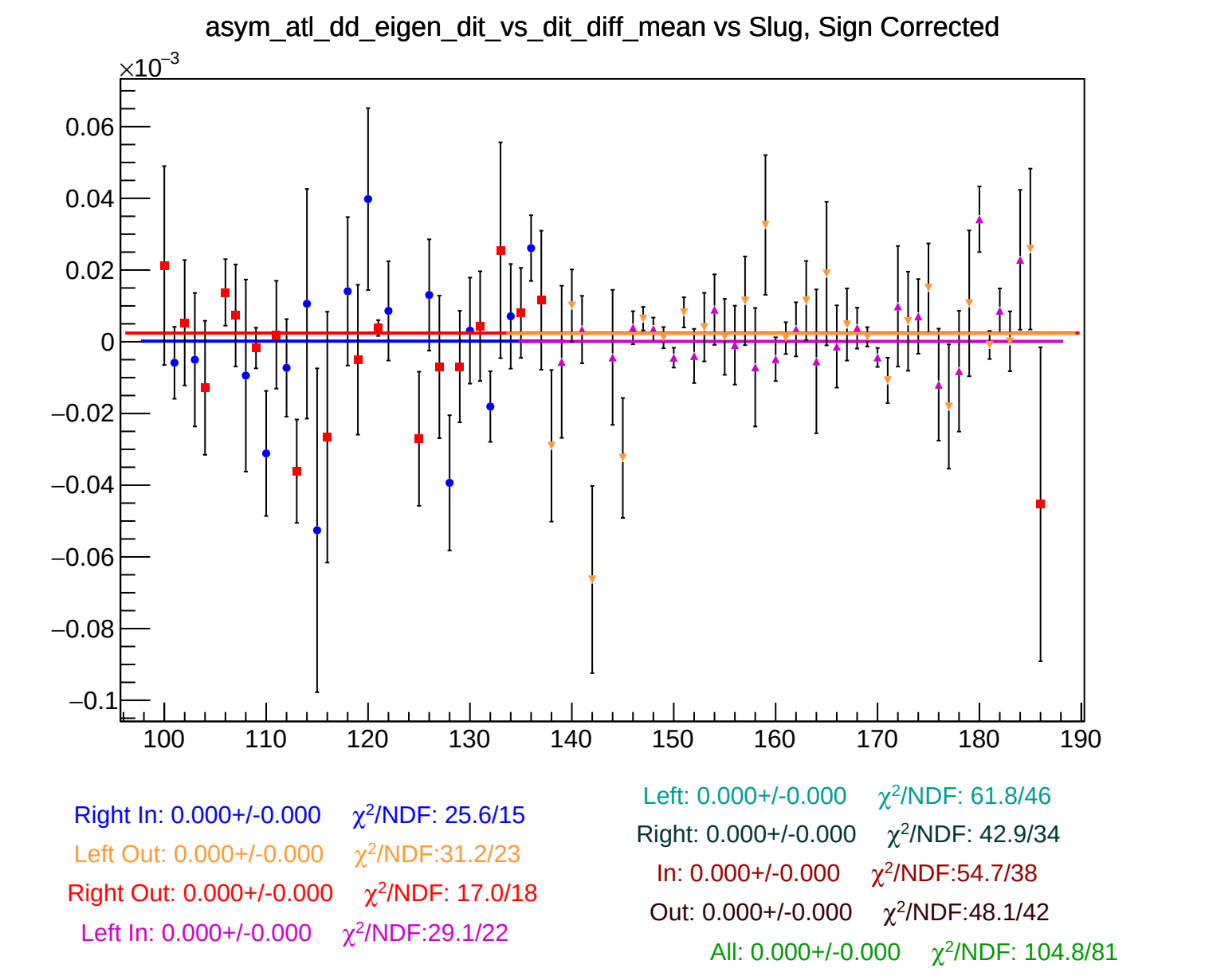
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

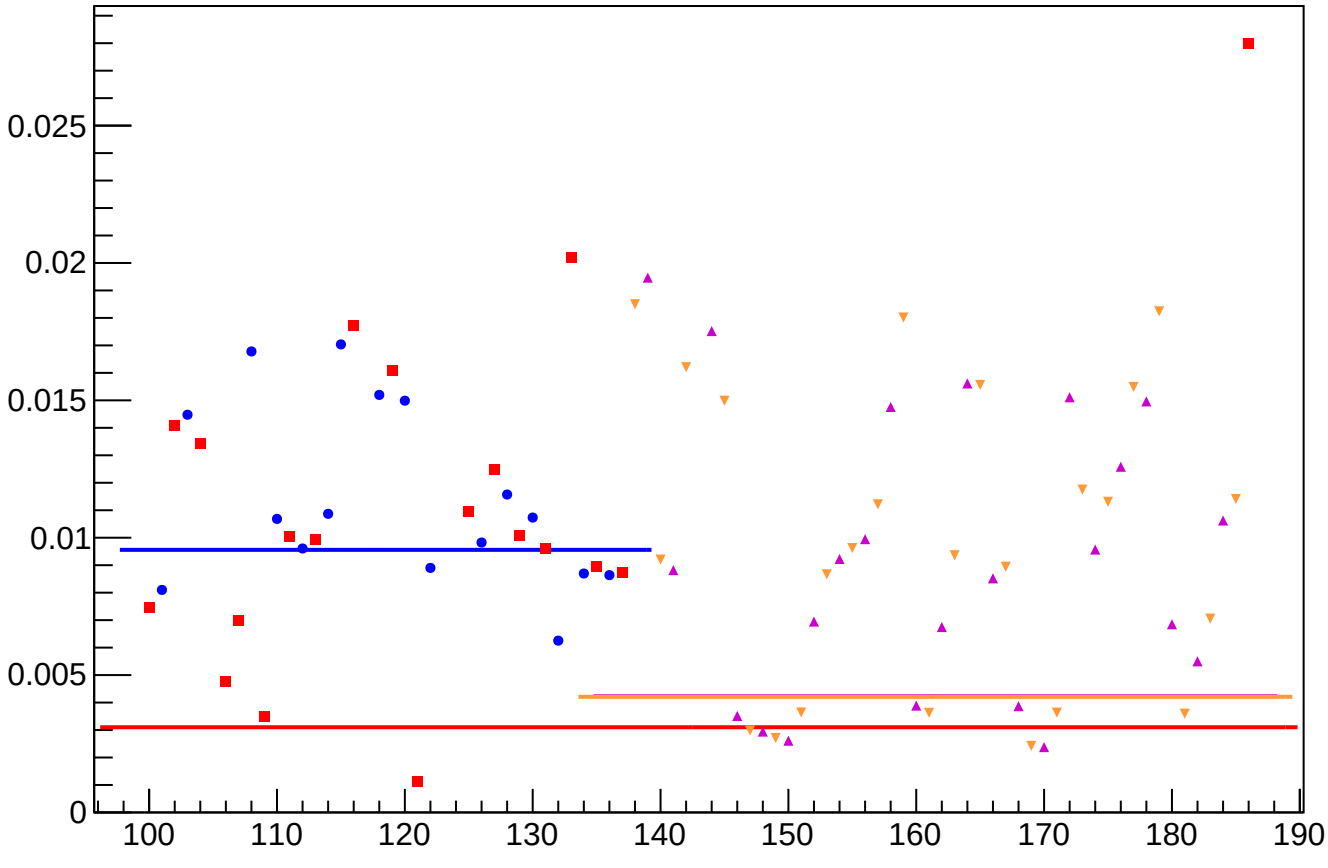
Right: 106.576+/-0.022 χ^2/NDF: 4667603.6/35

In: 159.231+/-0.027 χ^2/NDF:15817339.1/38

Out: 150.465+/-0.026 χ^2/NDF:19541032.6/44

All: 154.683+/-0.019 χ^2/NDF: 35411125.5/83


asym_atl_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: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:31.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:29.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.8/46
Right: 0.000+/-0.000 χ²/NDF: 42.9/34
In: 0.000+/-0.000 χ²/NDF:54.7/38
Out: 0.000+/-0.000 χ²/NDF:48.1/42
All: 0.000+/-0.000 χ²/NDF: 104.8/81



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

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

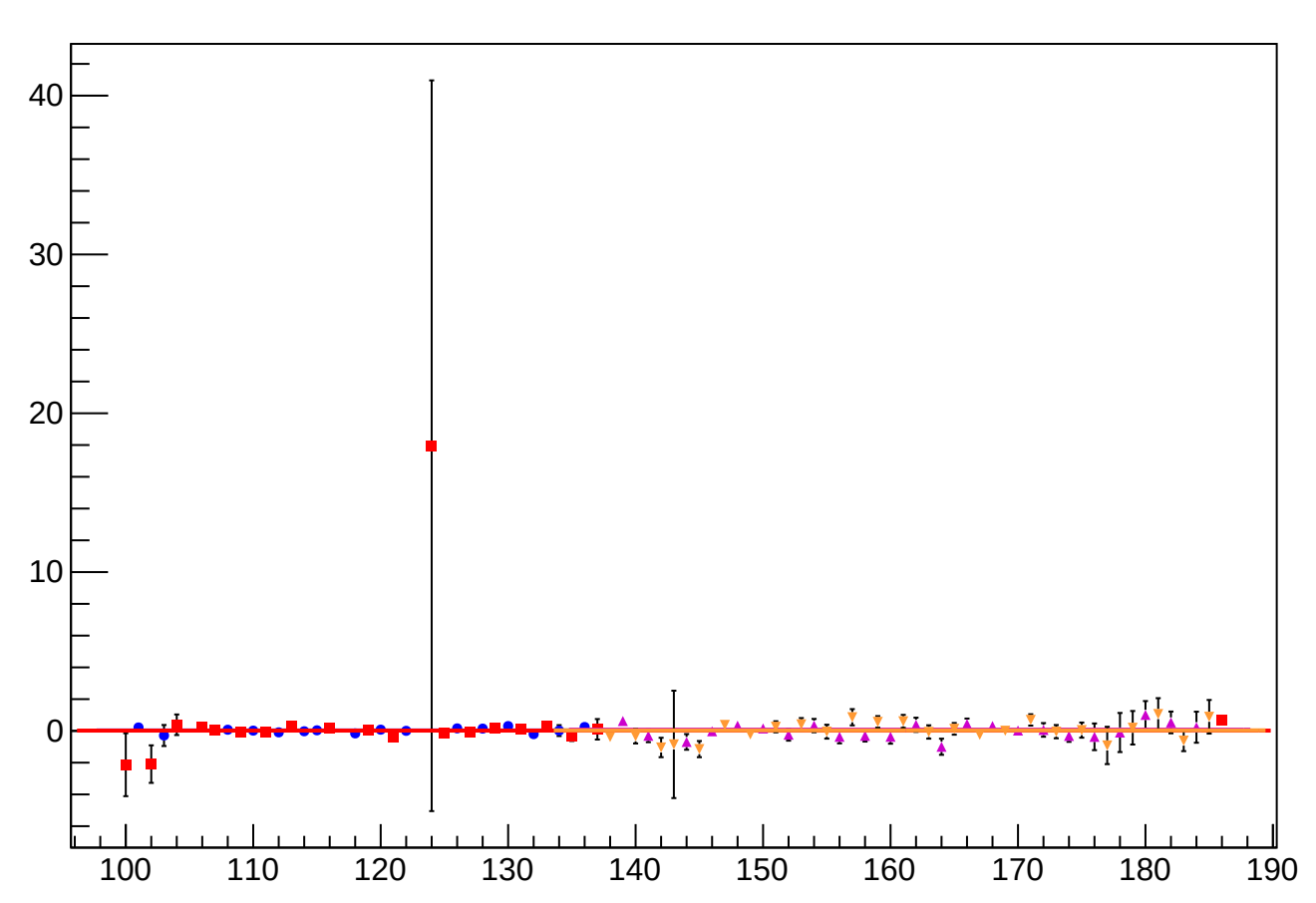
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.004+/-0.000 χ^2/NDF: 14527622.7/34

In: 0.005+/-0.000 χ^2/NDF:15618368.8/38

Out: 0.004+/-0.000 χ^2/NDF:21348533.9/42

All: 0.004+/-0.000 χ^2/NDF: 37650079.4/81



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

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

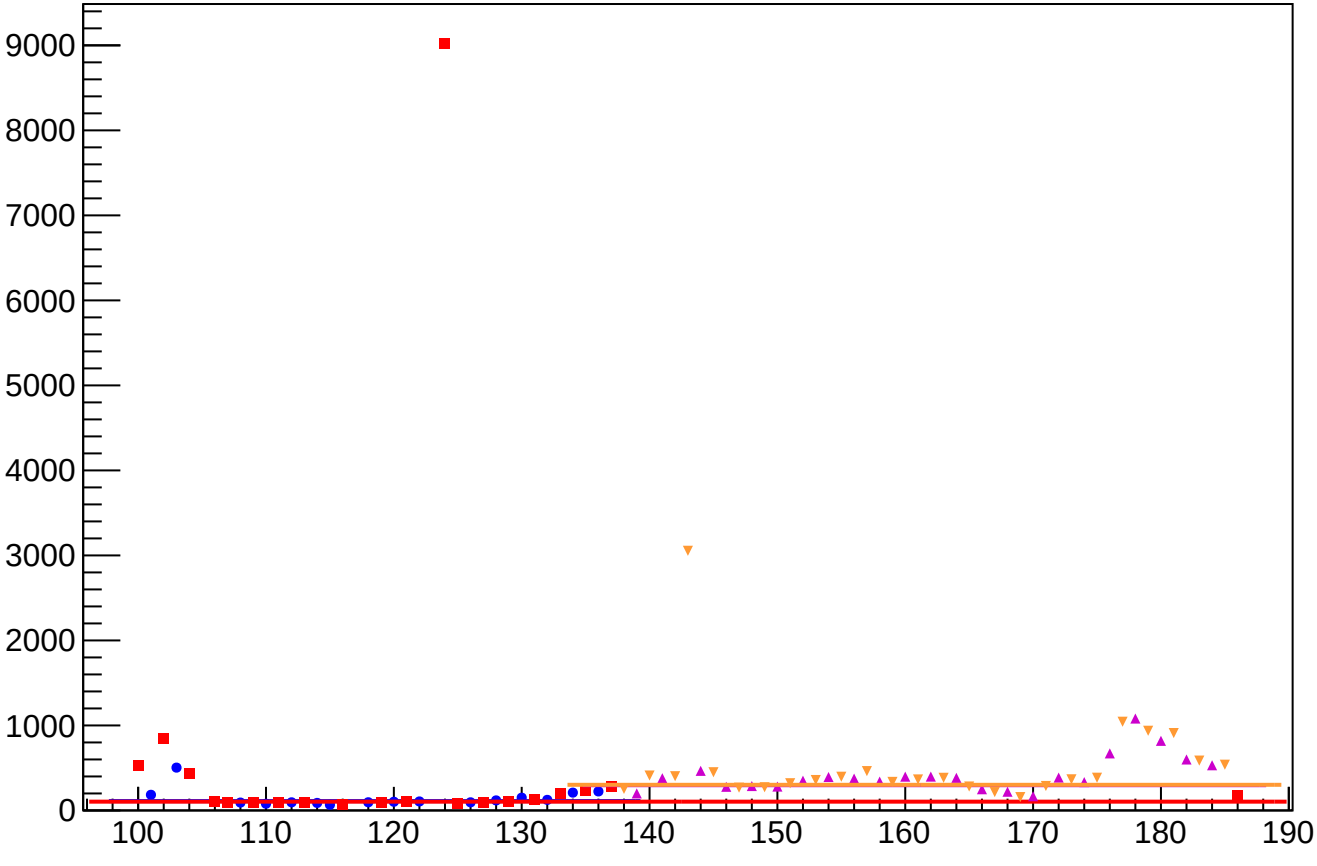
Right: 0.023+/-0.031 χ^2/NDF: 36.8/35

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.032+/-0.027 χ^2/NDF: 91.0/83

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 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

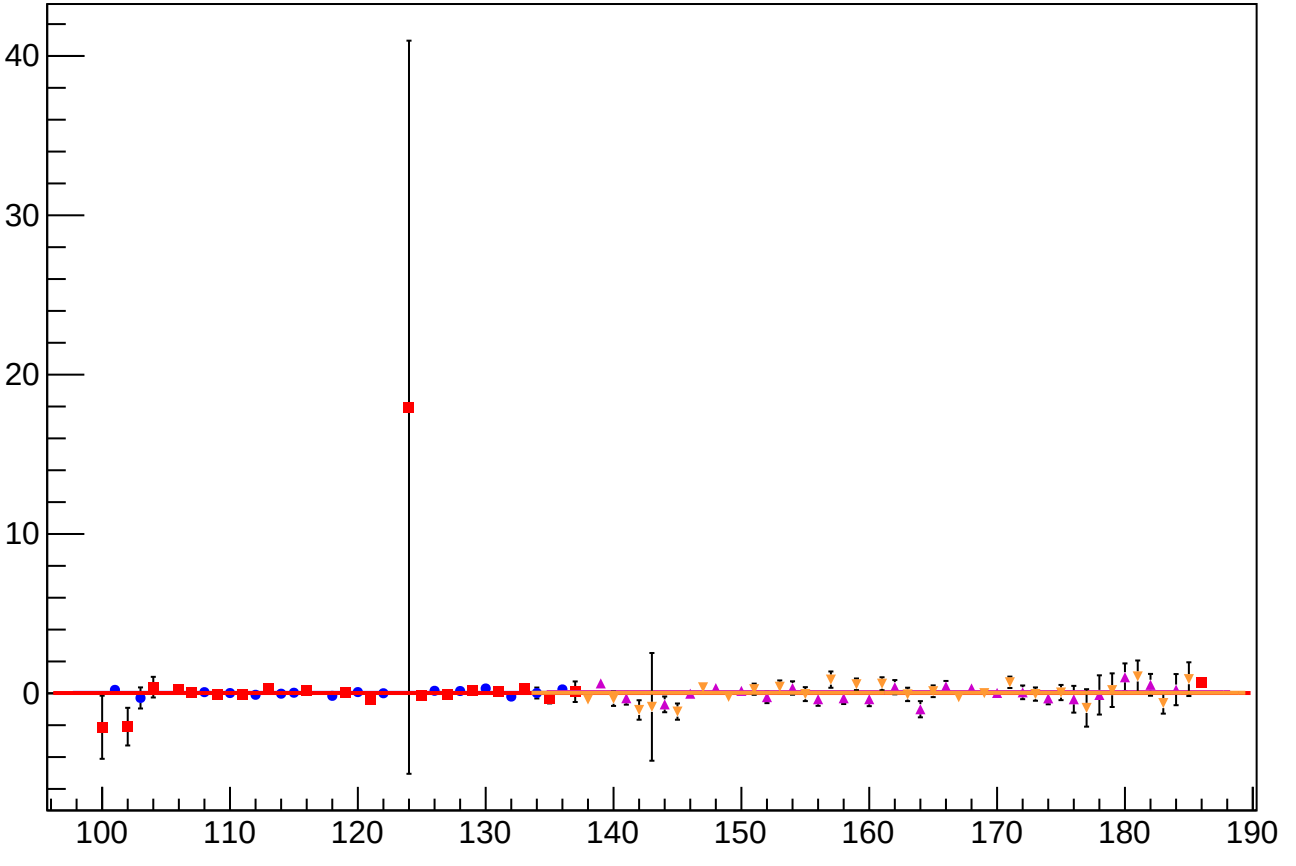
Right: 106.577+/-0.022 χ^2/NDF: 4667411.4/35

In: 159.232+/-0.027 χ^2/NDF:15817283.7/38

Out: 150.466+/-0.026 χ^2/NDF:19540891.4/44

All: 154.684+/-0.019 χ^2/NDF: 35410926.9/83

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.036+/-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

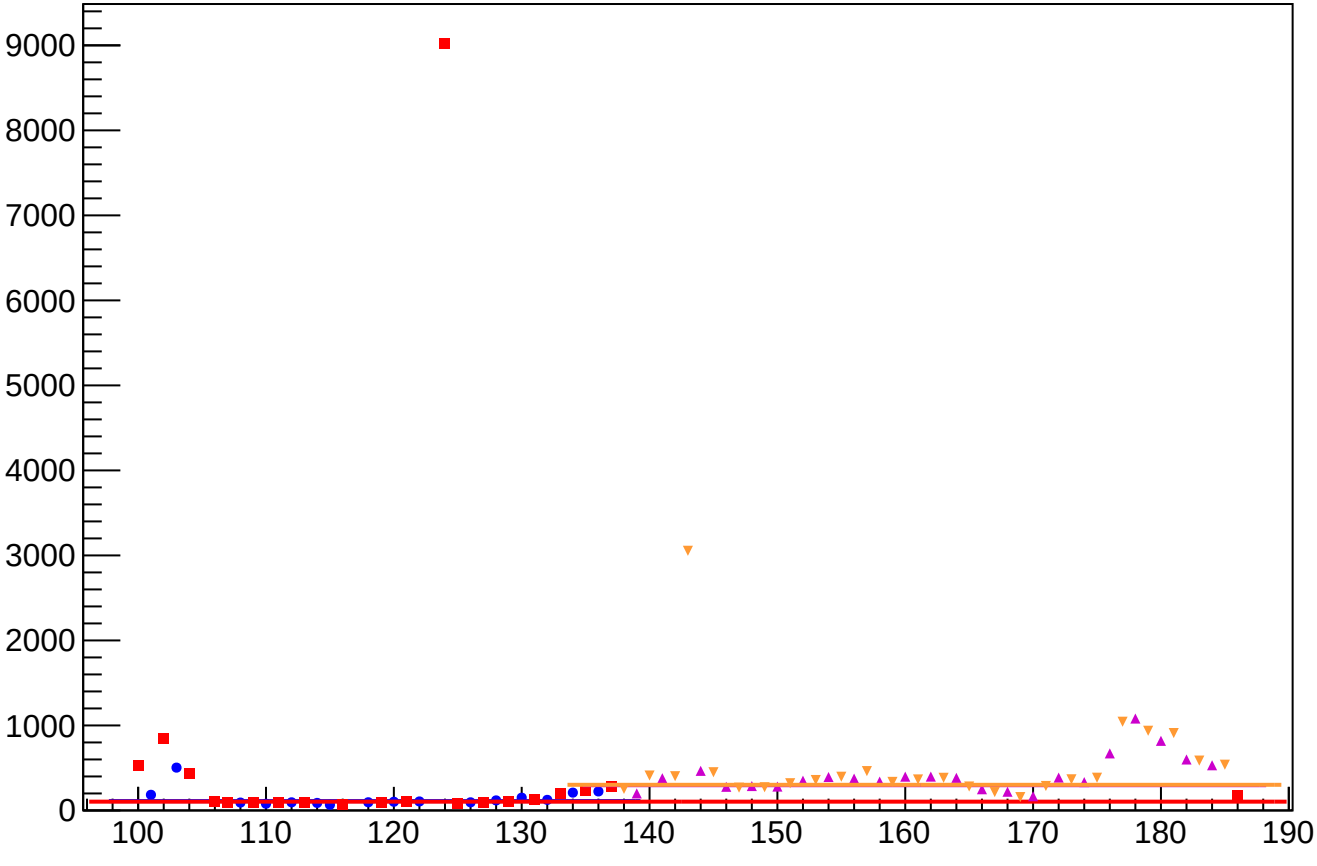
Right: 0.023+/-0.031 χ^2/NDF: 36.8/35

In: 0.041+/-0.039 χ^2/NDF:33.3/38

Out: 0.023+/-0.037 χ^2/NDF:57.6/44

All: 0.032+/-0.027 χ^2/NDF: 91.0/83

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 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

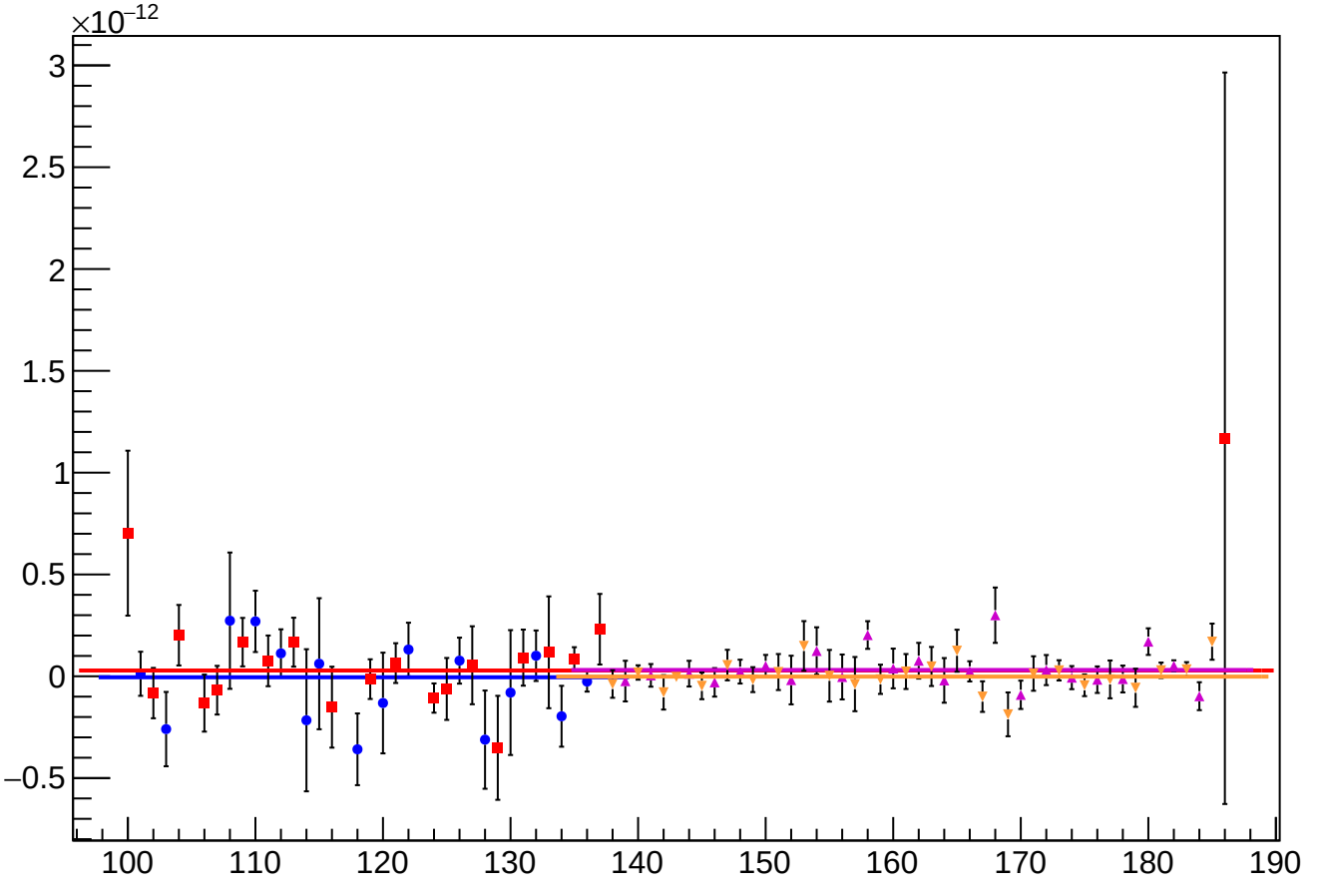
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 106.577+/-0.022 χ^2/NDF: 4667411.4/35

In: 159.232+/-0.027 χ^2/NDF:15817283.7/38

Out: 150.466+/-0.026 χ^2/NDF:19540891.4/44

All: 154.684+/-0.019 χ^2/NDF: 35410926.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

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

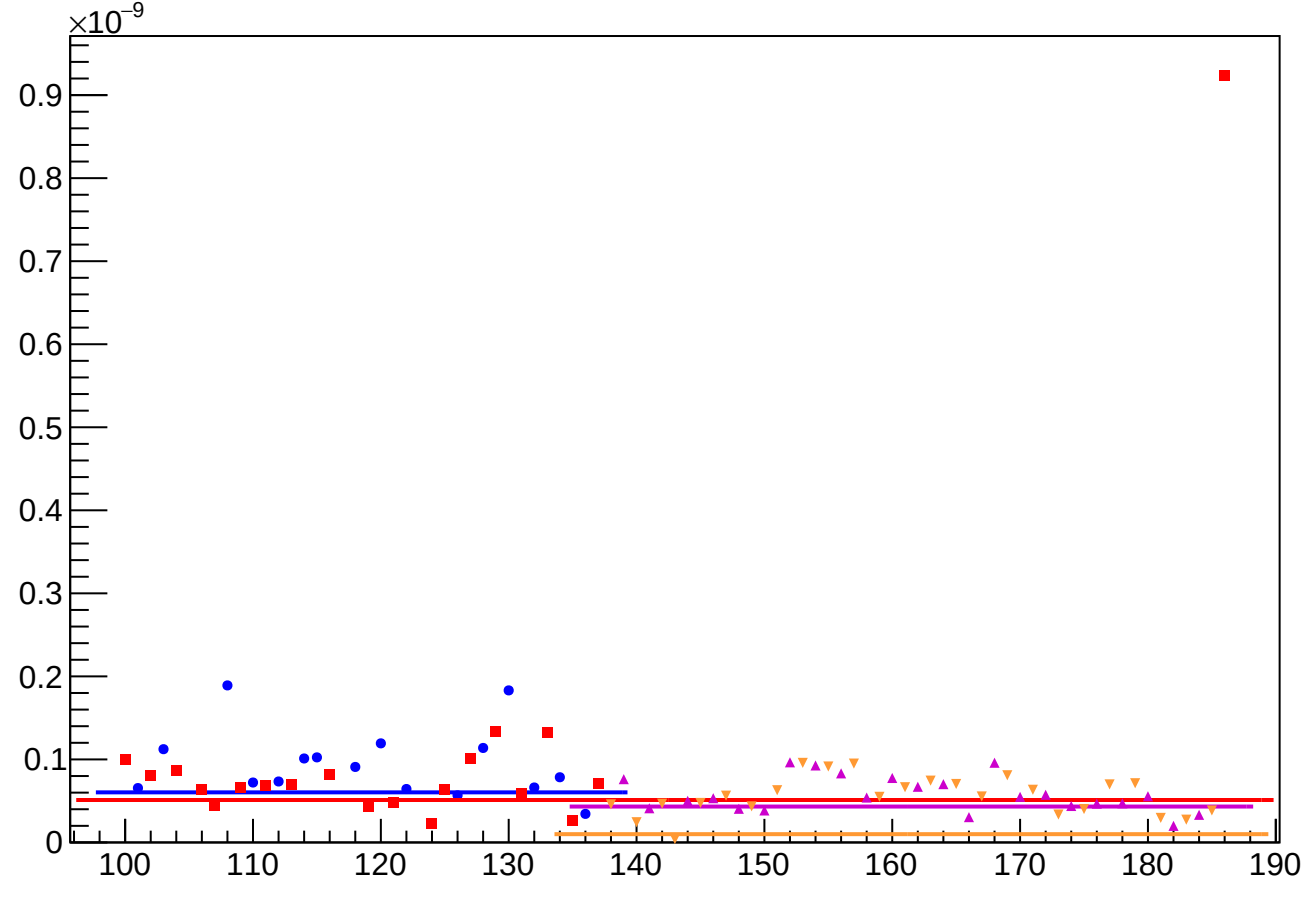
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 38.2/35

In: 0.000+/-0.000 χ^2/NDF:44.9/38

Out: -0.000+/-0.000 χ^2/NDF:39.0/44

All: 0.000+/-0.000 χ^2/NDF: 87.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

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

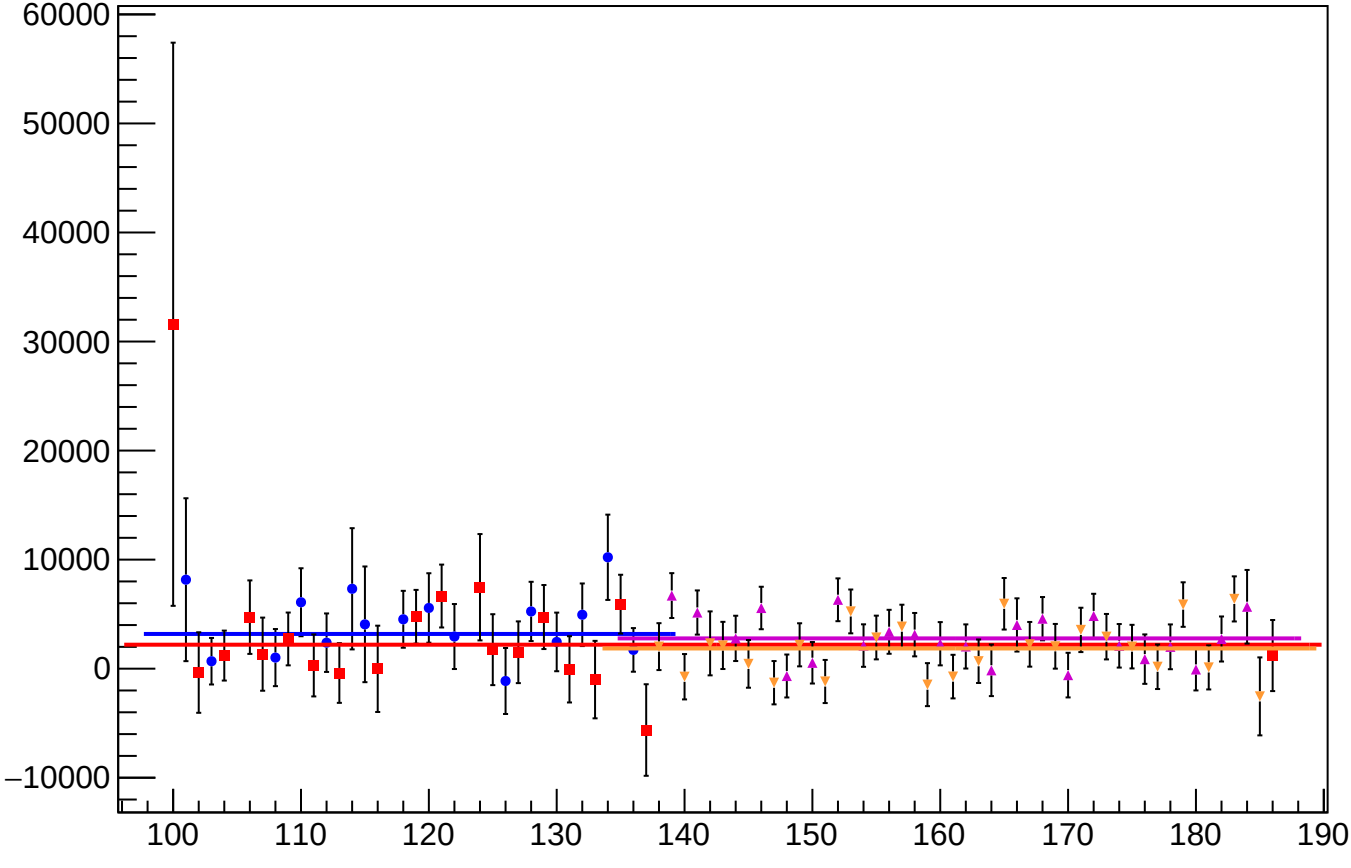
Right: 0.000+/-0.000 χ^2/NDF: 3982400.5/35

In: 0.000+/-0.000 χ^2/NDF:6288335.4/38

Out: 0.000+/-0.000 χ^2/NDF:25078884.9/44

All: 0.000+/-0.000 χ^2/NDF: 44831719.5/83

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

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

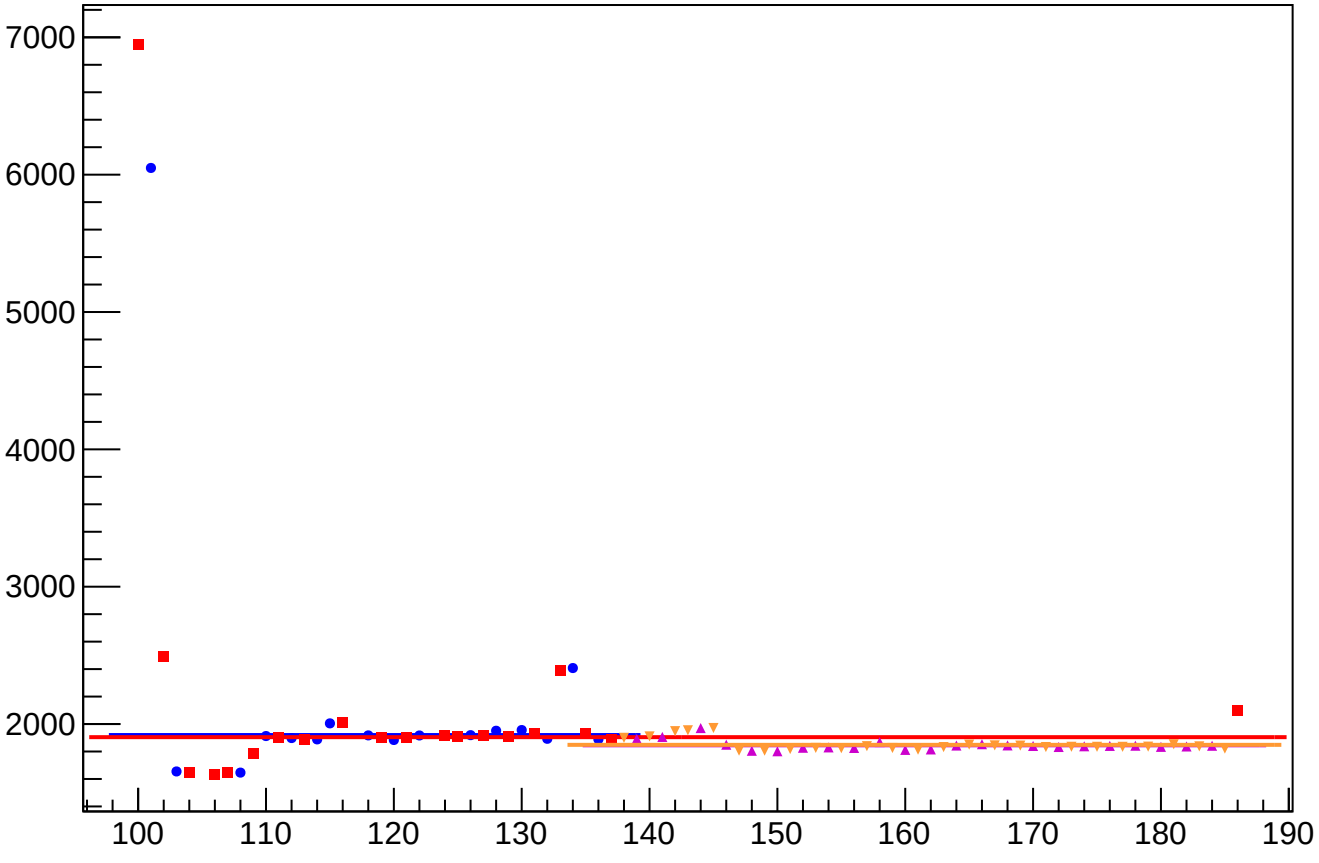
Right: 2665.951+/-503.568 χ^2/NDF: 29.3/35

In: 2880.924+/-371.206 χ^2/NDF:37.4/38

Out: 1944.822+/-359.406 χ^2/NDF:48.3/44

All: 2397.758+/-258.209 χ^2/NDF: 88.9/83

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

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

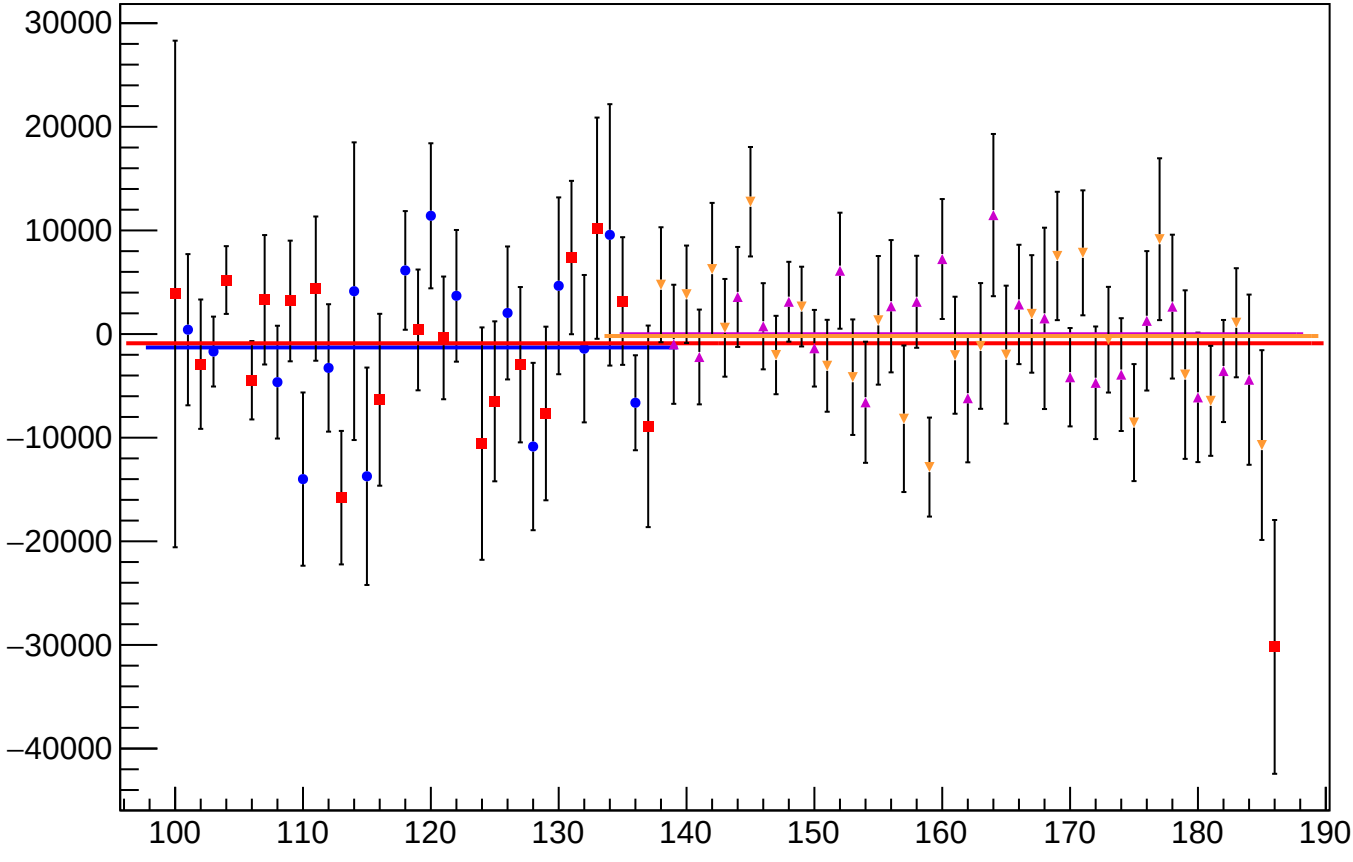
Right: 1911.712+/-0.355 χ^2/NDF: 927345.7/35

In: 1864.333+/-0.262 χ^2/NDF:726880.9/38

Out: 1863.566+/-0.254 χ^2/NDF:259970.4/44

All: 1863.937+/-0.182 χ^2/NDF: 986855.7/83

asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

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

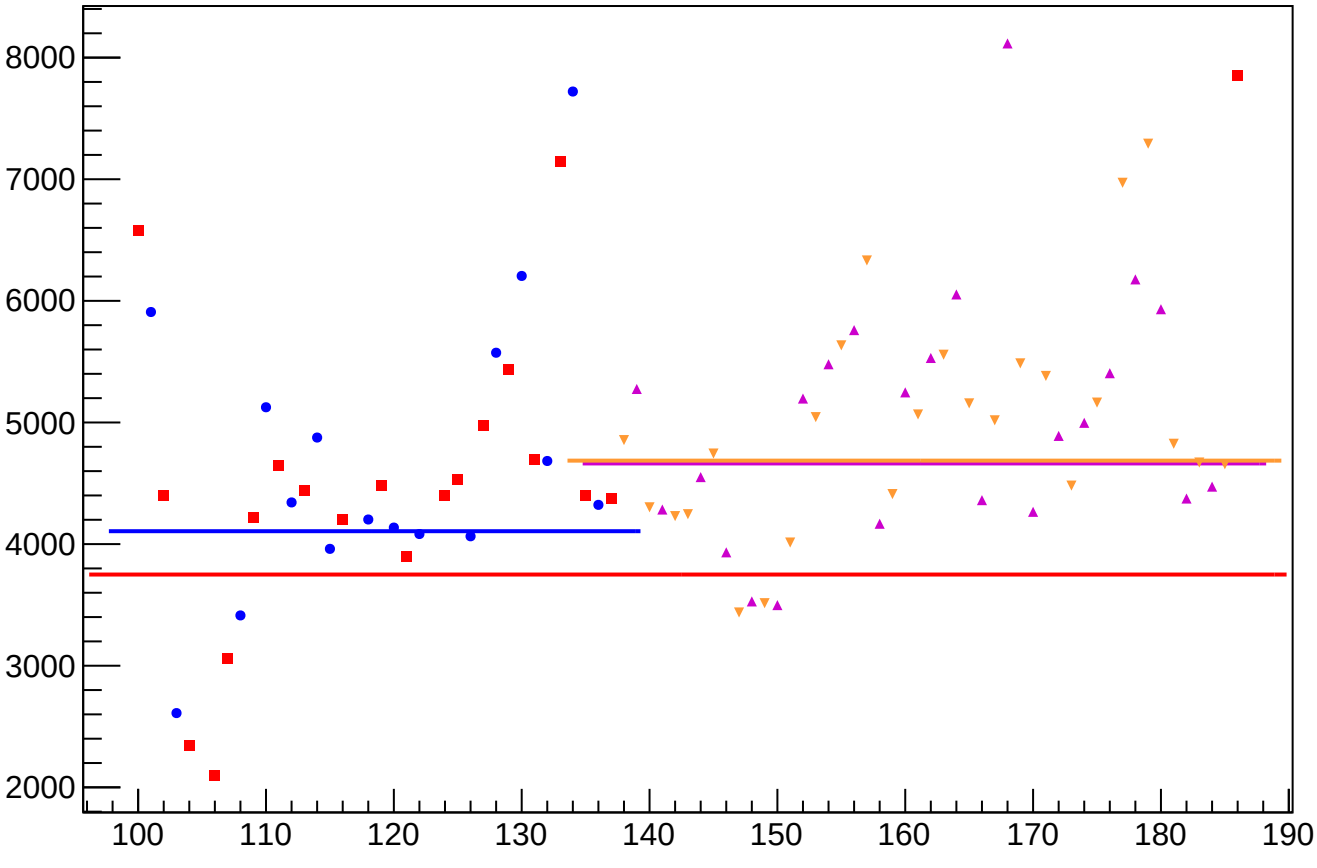
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1068.746+/-1060.916 χ^2/NDF: 37.3/35

In: -438.805+/-910.707 χ^2/NDF:28.4/38

Out: -446.629+/-865.666 χ^2/NDF:52.1/44

All: -442.915+/-627.437 χ^2/NDF: 80.6/83



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

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

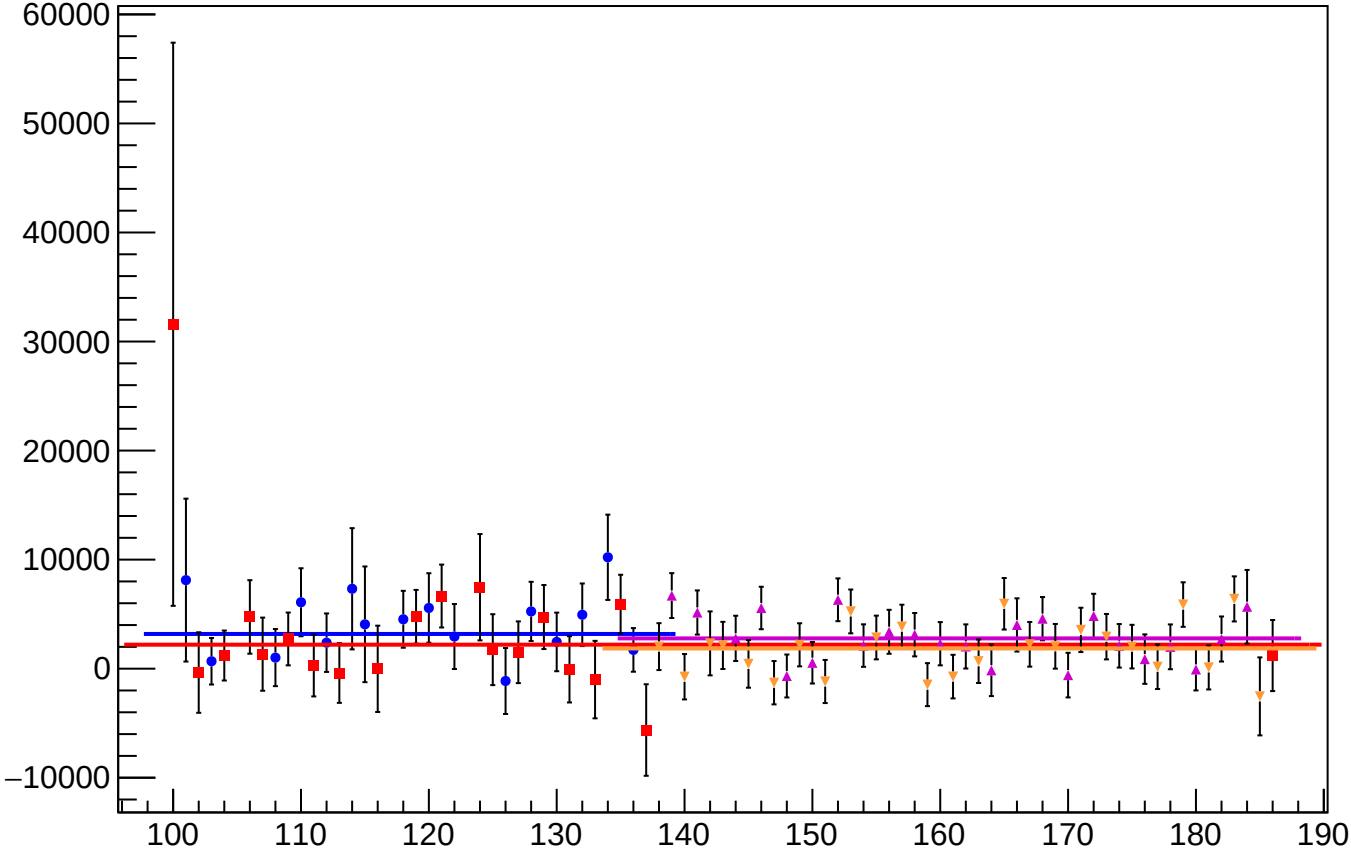
Right: 3909.338+/-0.750 χ^2/NDF: 2595821.8/35

In: 4479.441+/-0.644 χ^2/NDF:2408338.0/38

Out: 4342.001+/-0.612 χ^2/NDF:3313243.7/44

All: 4407.238+/-0.444 χ^2/NDF: 5745511.3/83

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

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

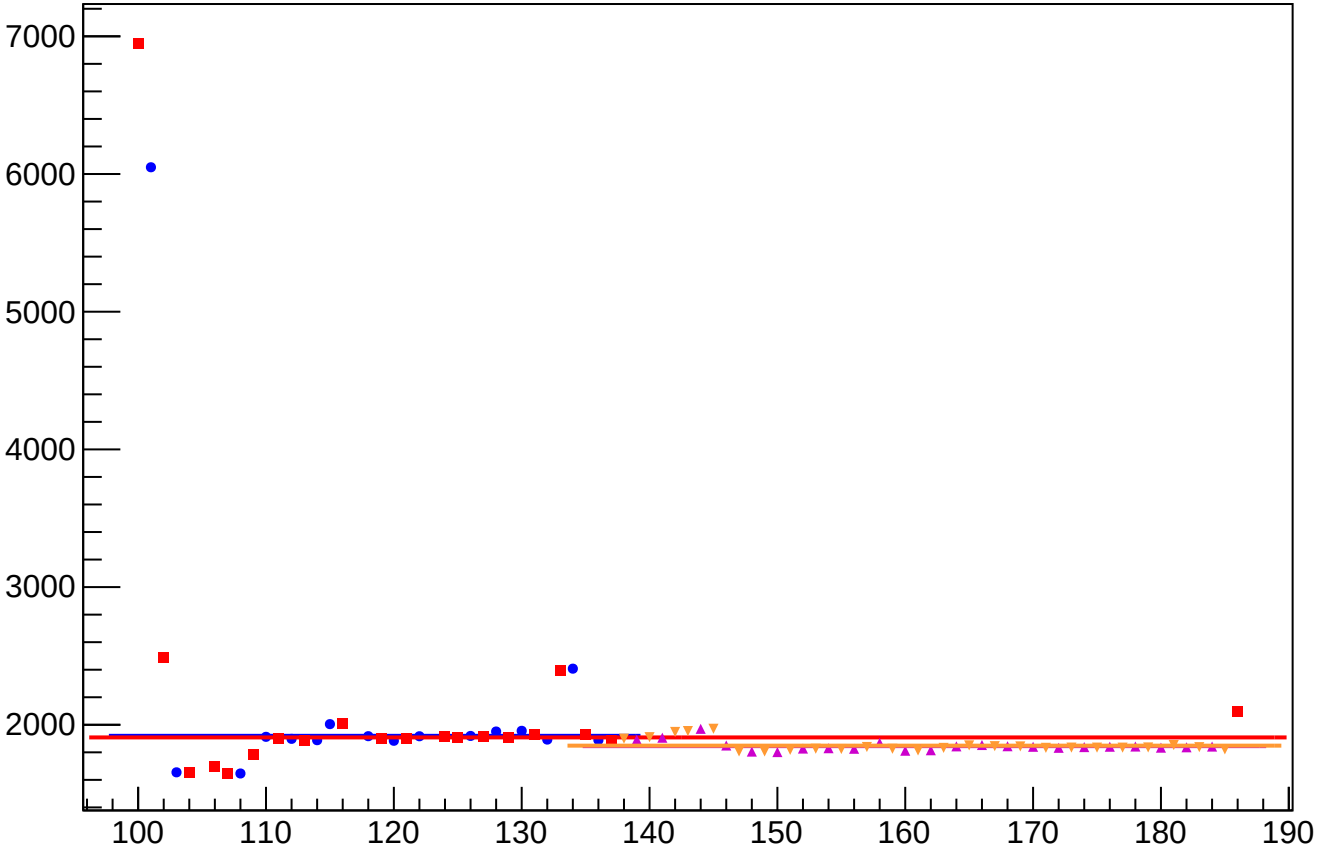
Right: 2666.178+/-503.570 χ^2/NDF: 29.3/35

In: 2880.717+/-371.206 χ^2/NDF:37.4/38

Out: 1945.031+/-359.407 χ^2/NDF:48.3/44

All: 2397.767+/-258.209 χ^2/NDF: 89.0/83

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

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

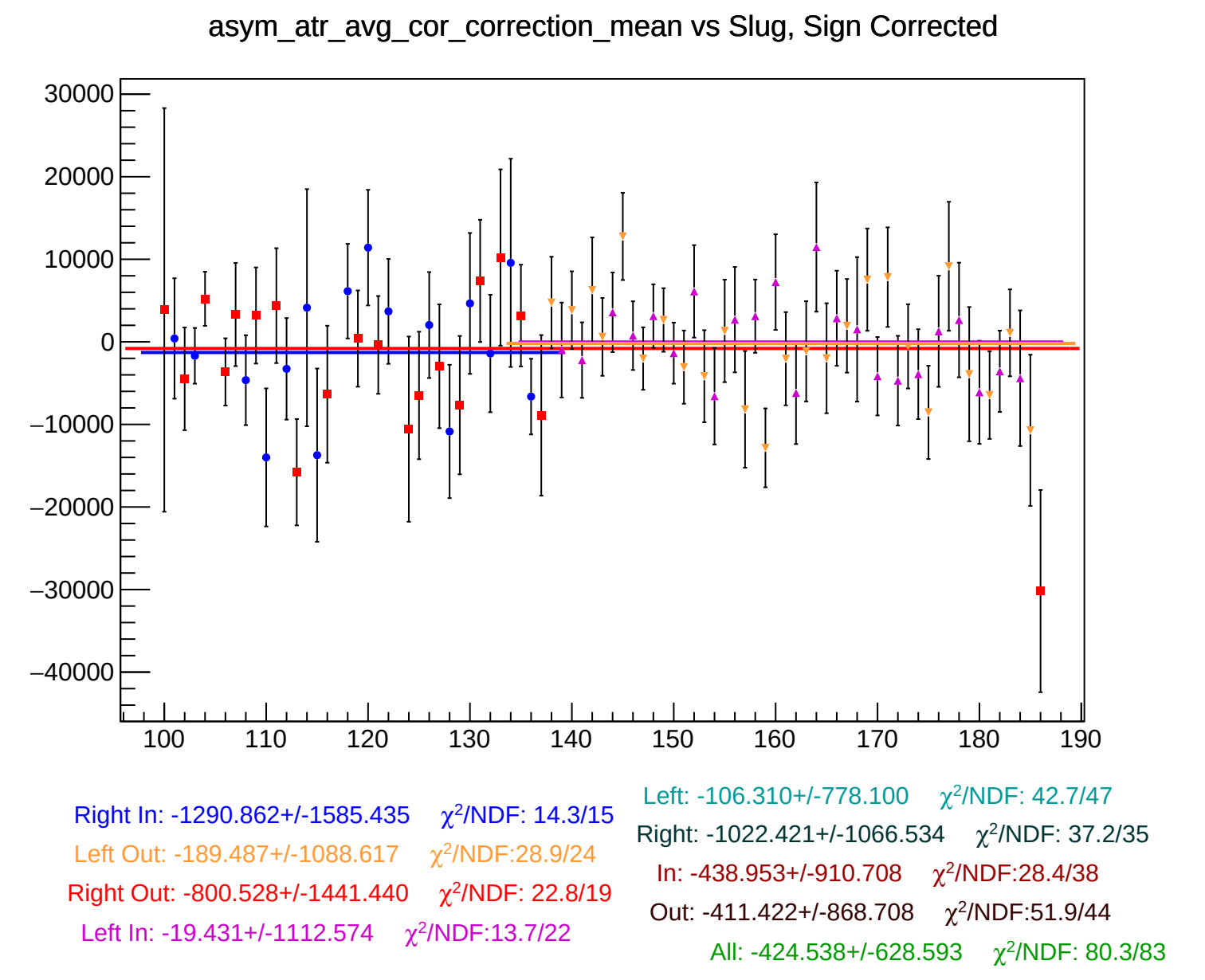
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

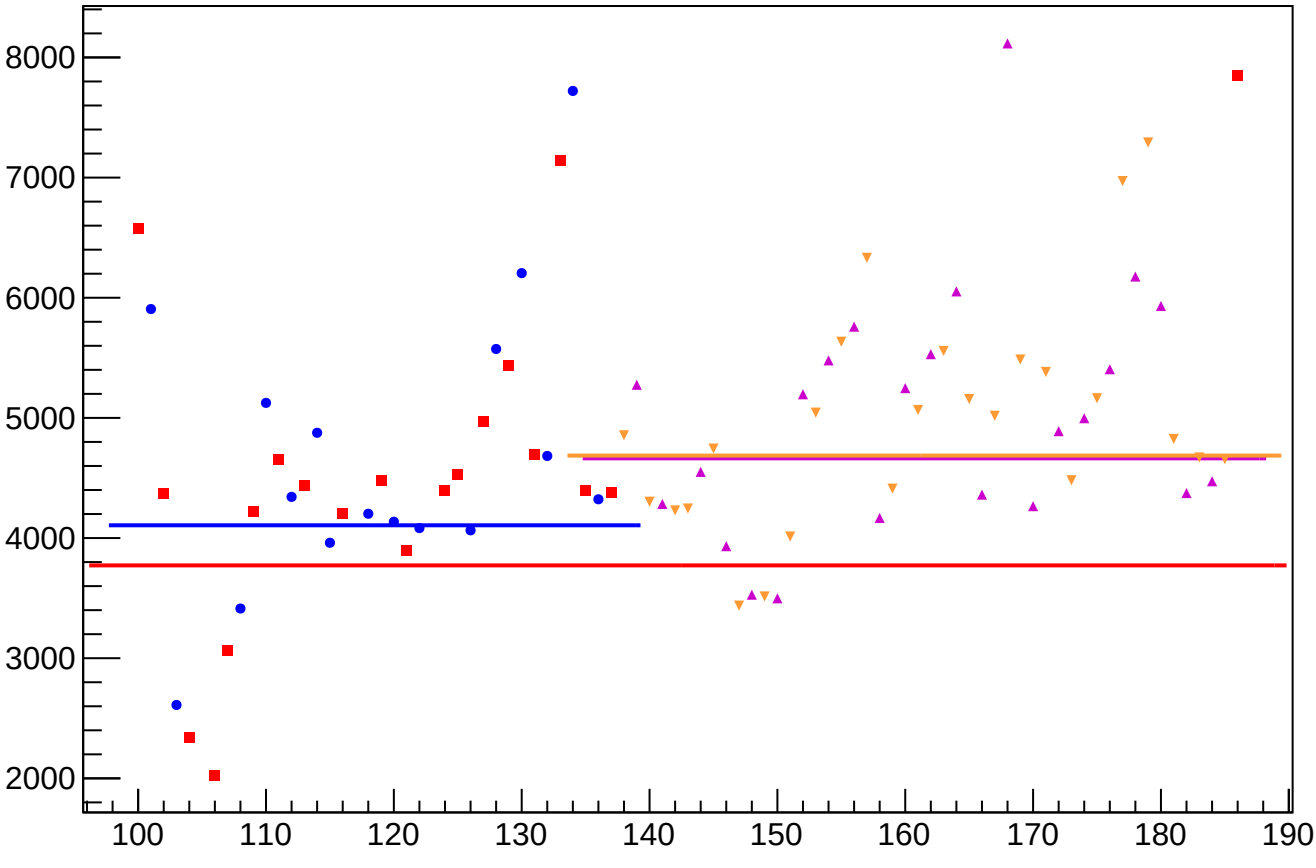
Right: 1913.755+/-0.356 χ^2/NDF: 920232.0/35

In: 1864.334+/-0.262 χ^2/NDF:726880.2/38

Out: 1864.560+/-0.254 χ^2/NDF:254394.0/44

All: 1864.451+/-0.183 χ^2/NDF: 981274.6/83


asym_atr_avg_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: -1290.862+/-1585.435 χ²/NDF: 14.3/15
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: -1022.421+/-1066.534 χ²/NDF: 37.2/35
In: -438.953+/-910.708 χ²/NDF:28.4/38
Out: -411.422+/-868.708 χ²/NDF:51.9/44
All: -424.538+/-628.593 χ²/NDF: 80.3/83



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

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

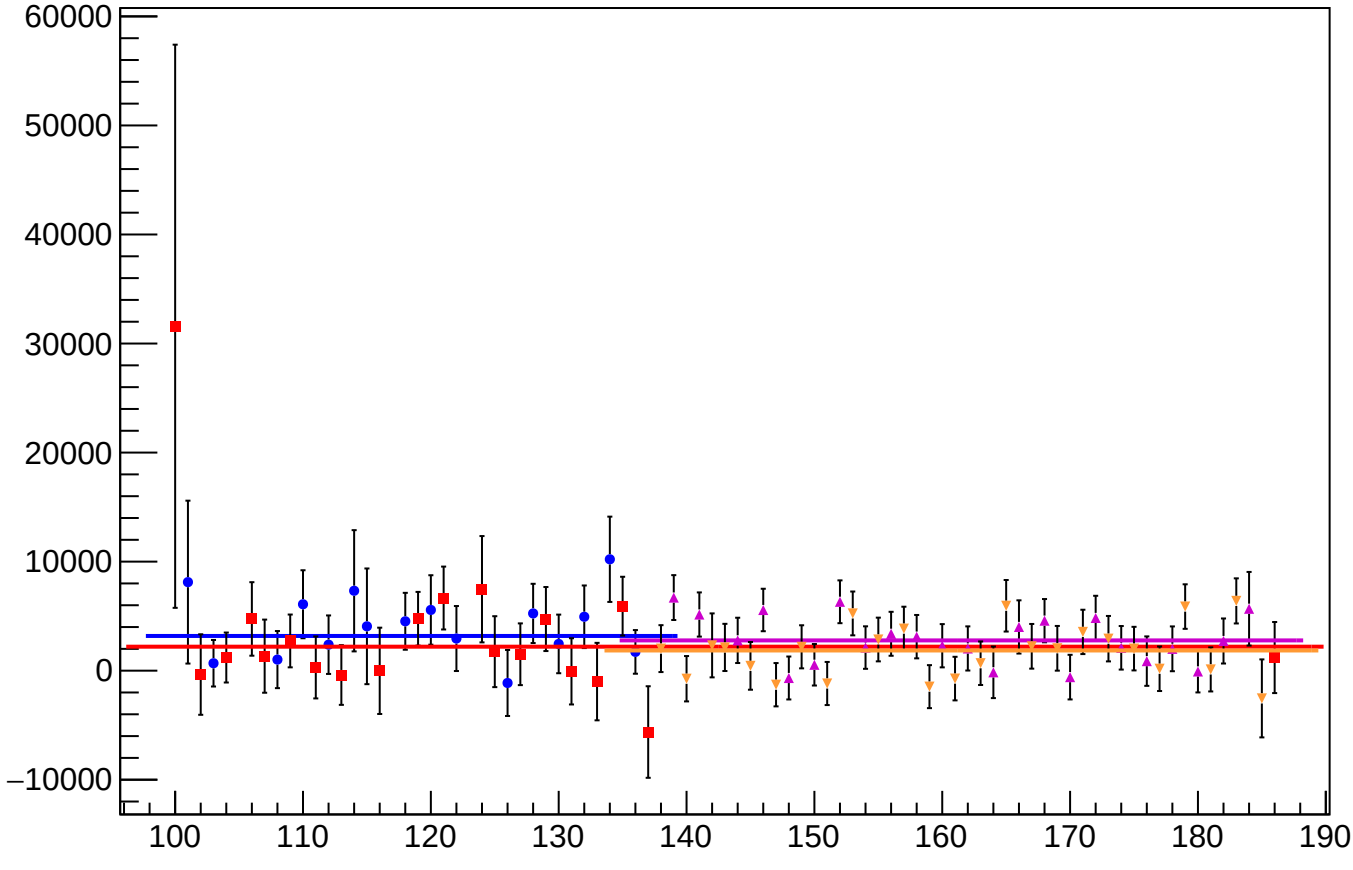
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 3923.517+/-0.754 χ^2/NDF: 2564041.7/35

In: 4479.473+/-0.644 χ^2/NDF:2407780.7/38

Out: 4354.424+/-0.614 χ^2/NDF:3256892.6/44

All: 4413.998+/-0.444 χ^2/NDF: 5684416.7/83



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

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

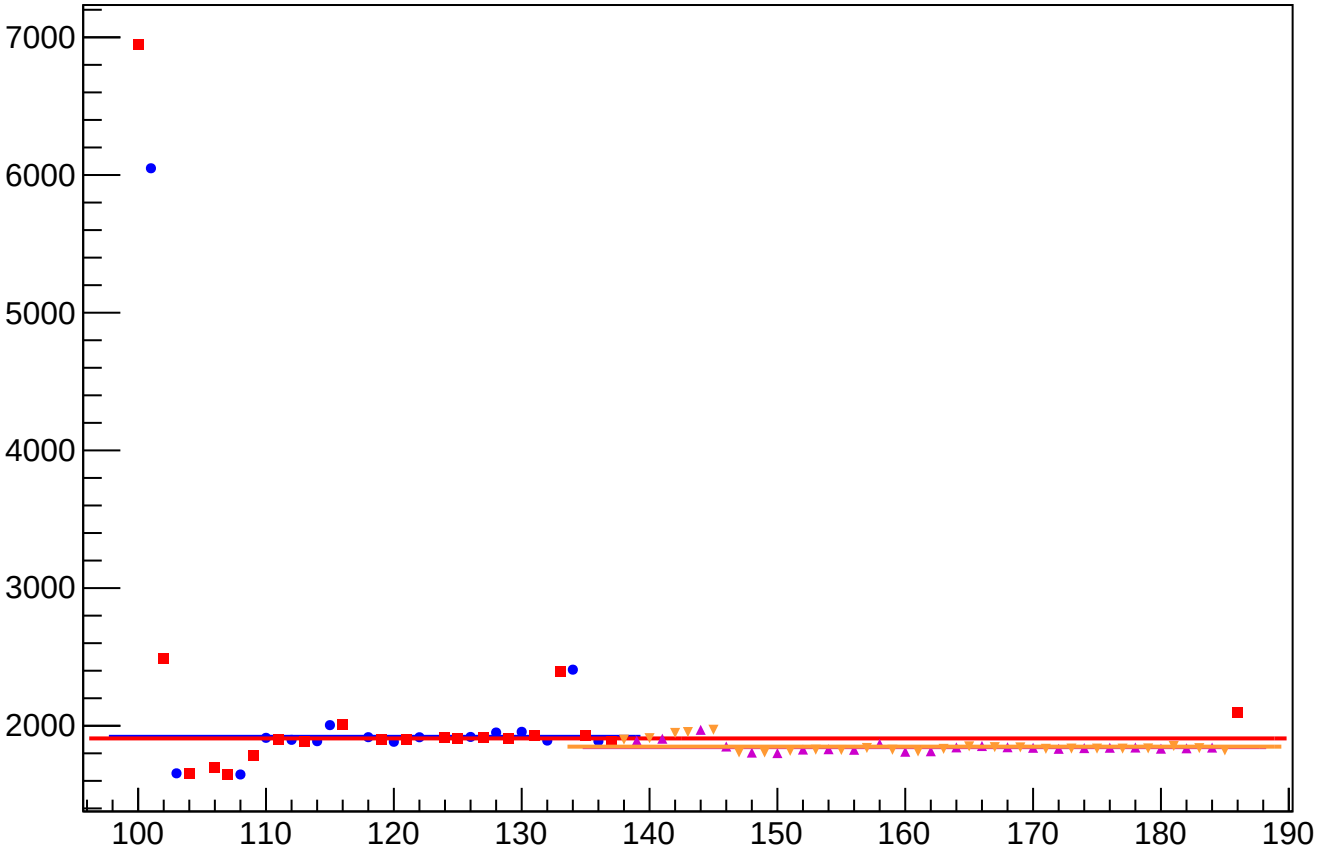
Right: 2666.178+/-503.570 χ^2/NDF: 29.3/35

In: 2880.717+/-371.206 χ^2/NDF:37.4/38

Out: 1945.031+/-359.407 χ^2/NDF:48.3/44

All: 2397.767+/-258.209 χ^2/NDF: 89.0/83

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

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

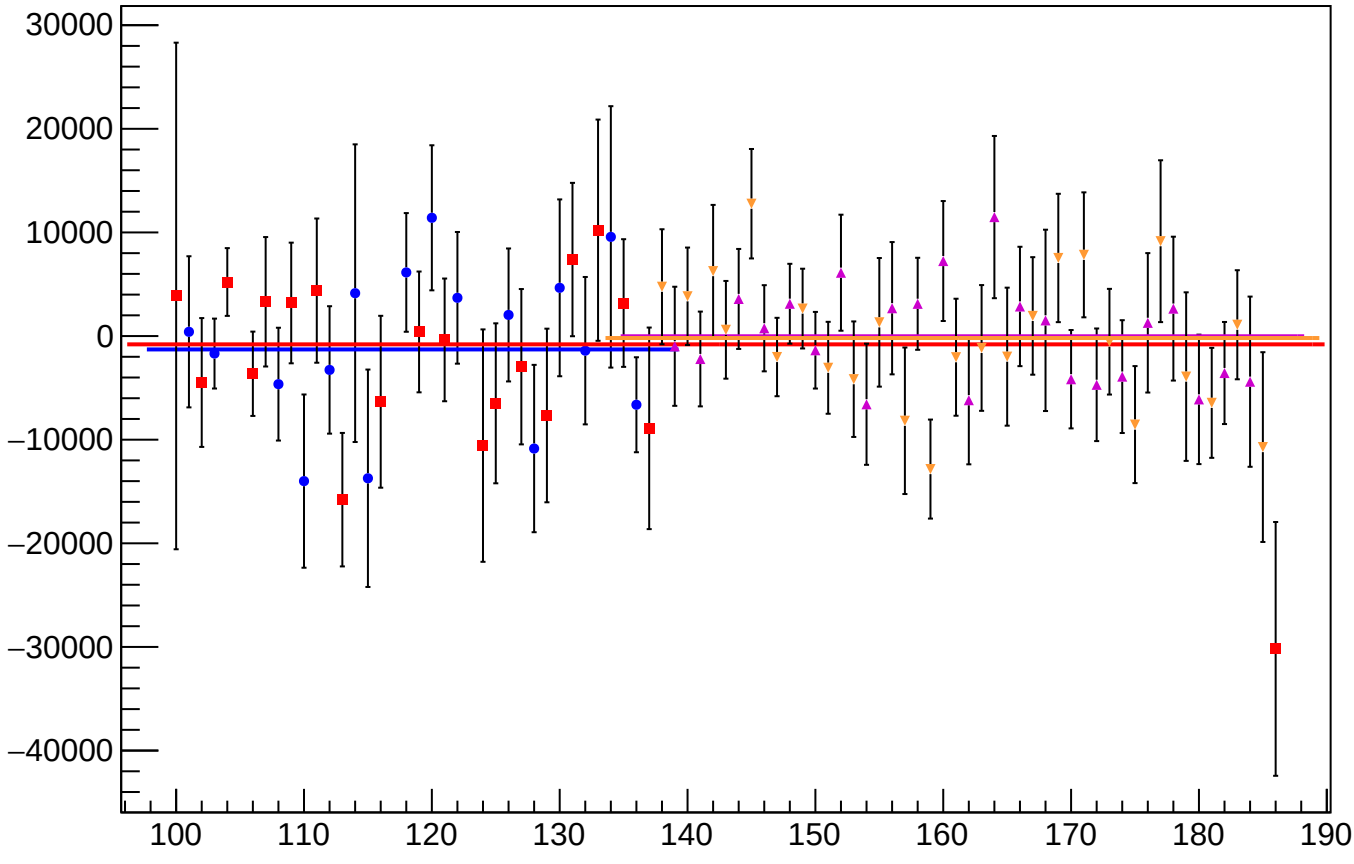
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1913.755+/-0.356 χ^2/NDF: 920232.0/35

In: 1864.334+/-0.262 χ^2/NDF:726880.2/38

Out: 1864.560+/-0.254 χ^2/NDF:254394.0/44

All: 1864.451+/-0.183 χ^2/NDF: 981274.6/83



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

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

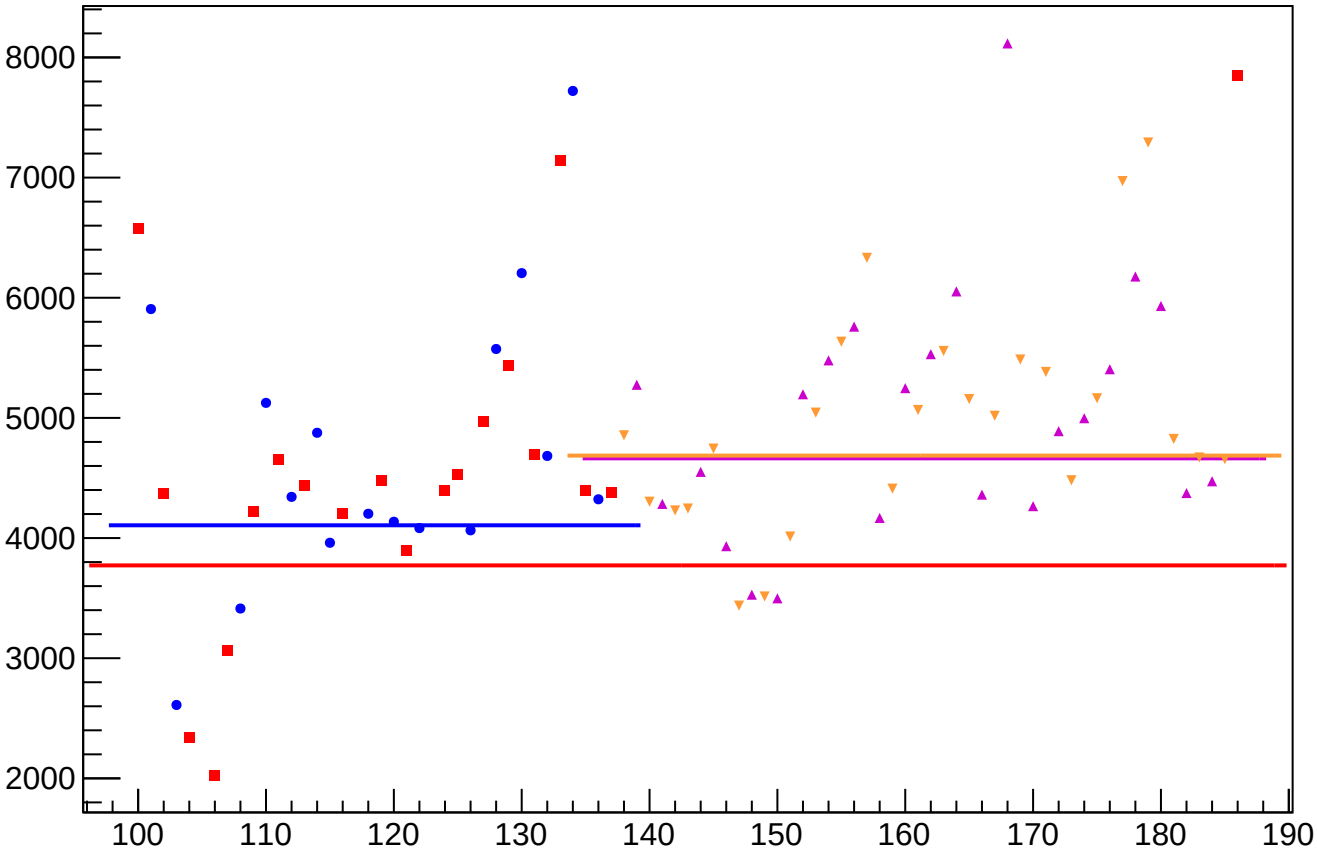
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1022.421+/-1066.534 χ^2/NDF: 37.2/35

In: -438.953+/-910.708 χ^2/NDF:28.4/38

Out: -411.422+/-868.708 χ^2/NDF:51.9/44

All: -424.538+/-628.593 χ^2/NDF: 80.3/83



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

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

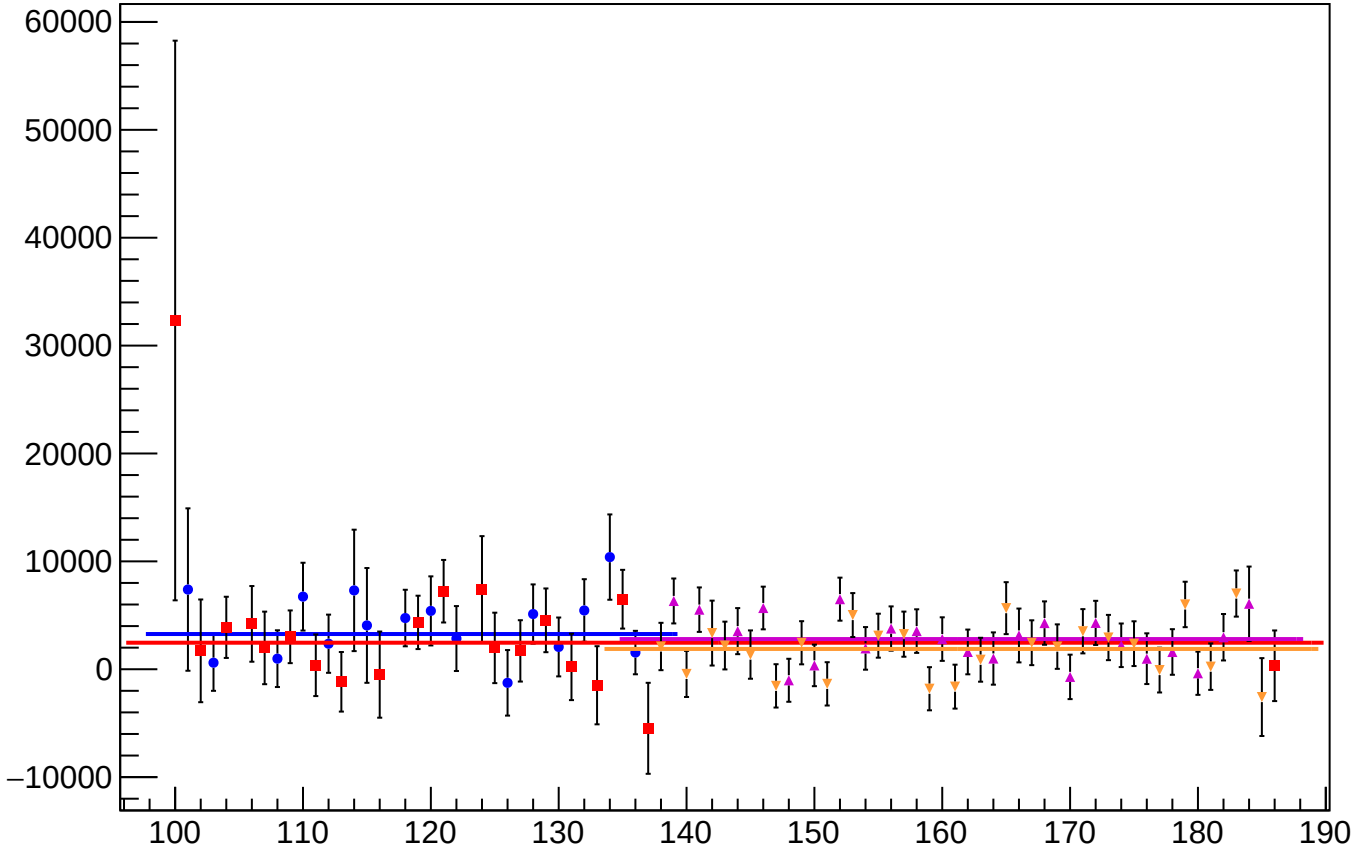
Right: 3923.517+/-0.754 χ^2/NDF: 2564041.7/35

In: 4479.473+/-0.644 χ^2/NDF:2407780.7/38

Out: 4354.424+/-0.614 χ^2/NDF:3256892.6/44

All: 4413.998+/-0.444 χ^2/NDF: 5684416.7/83

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

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

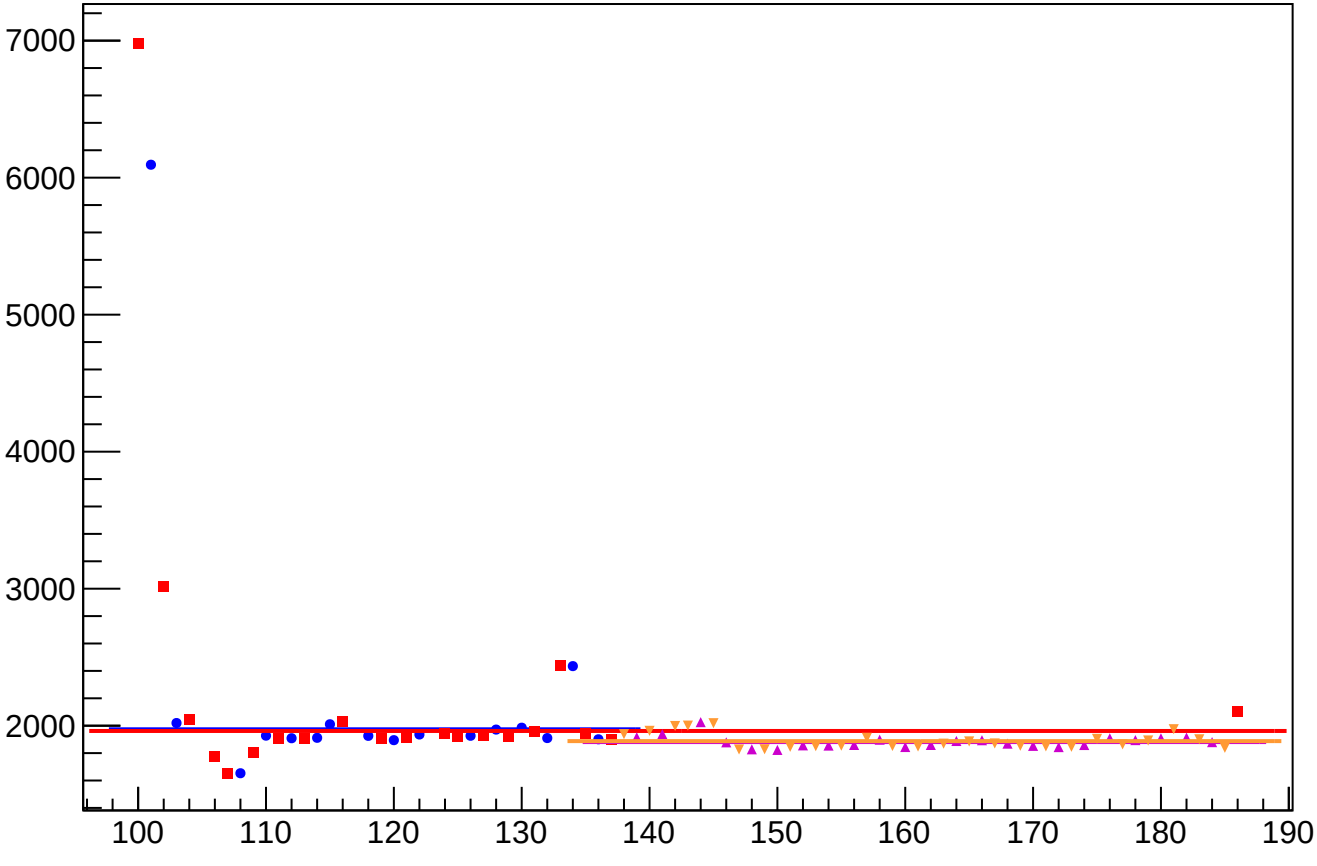
Right: 2843.256+/-518.567 χ^2/NDF: 30.2/35

In: 2917.293+/-379.131 χ^2/NDF:37.9/38

Out: 2033.296+/-368.128 χ^2/NDF:50.9/44

All: 2462.281+/-264.110 χ^2/NDF: 91.6/83

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

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

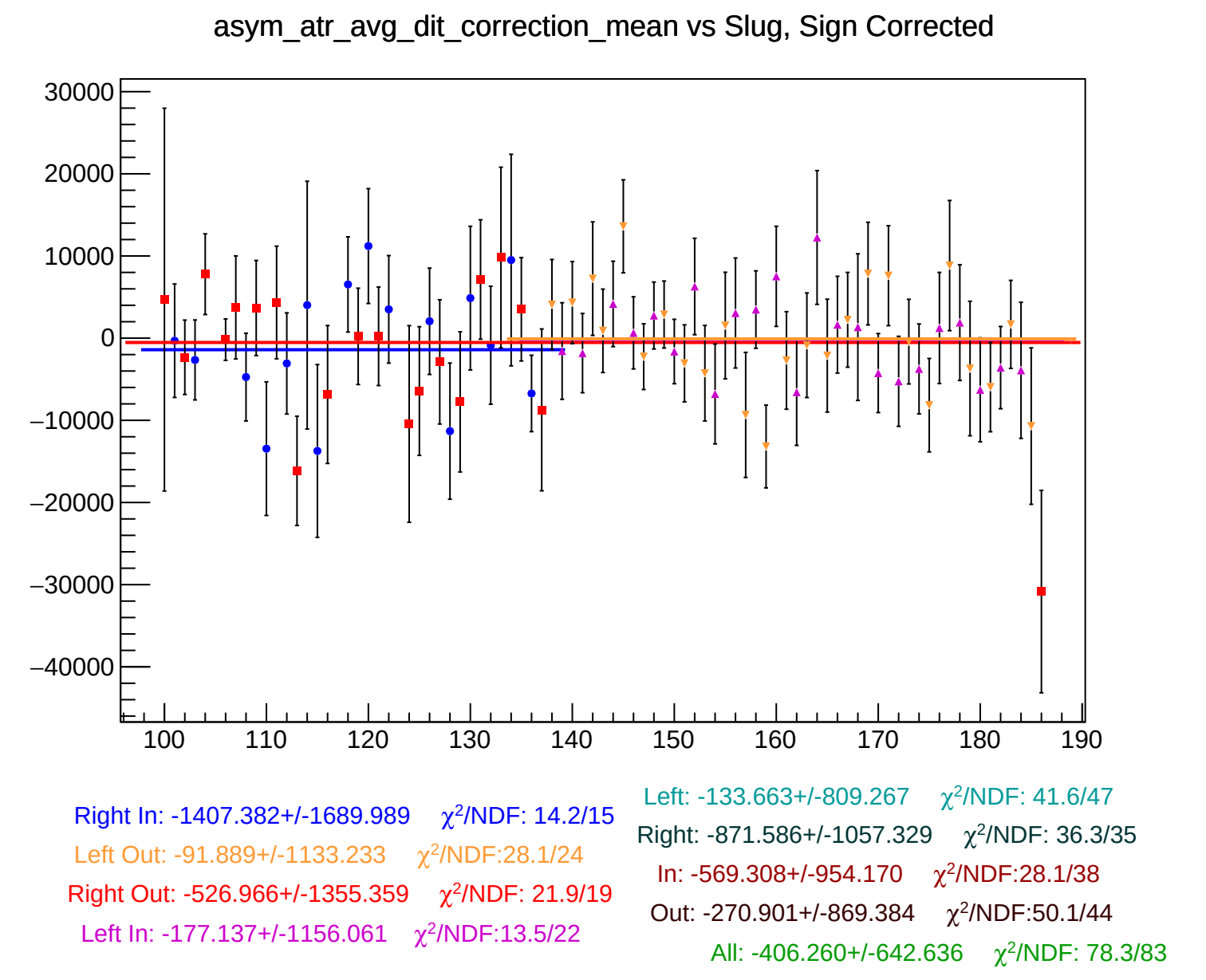
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

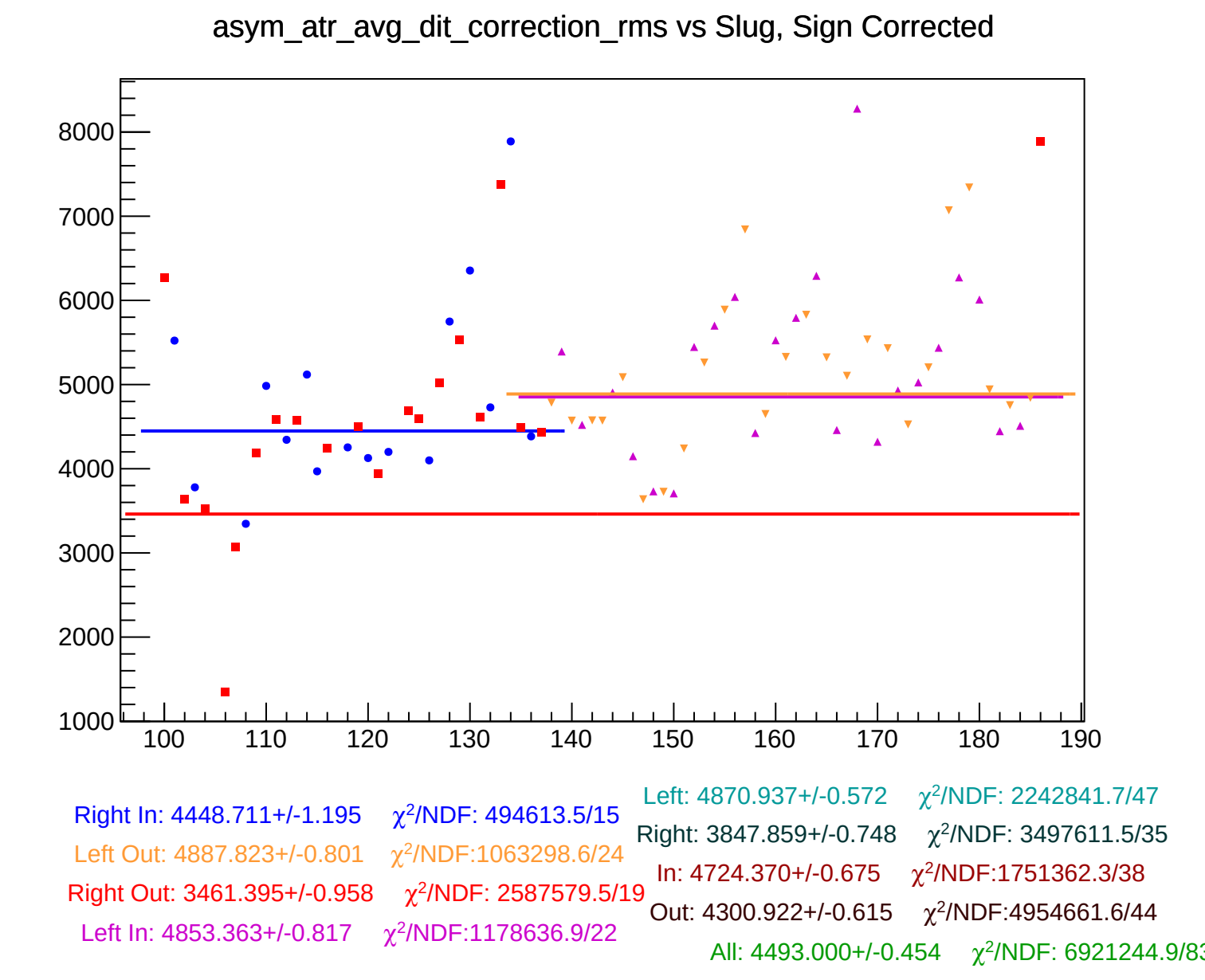
Right: 1967.389+/-0.367 χ^2/NDF: 915693.0/35

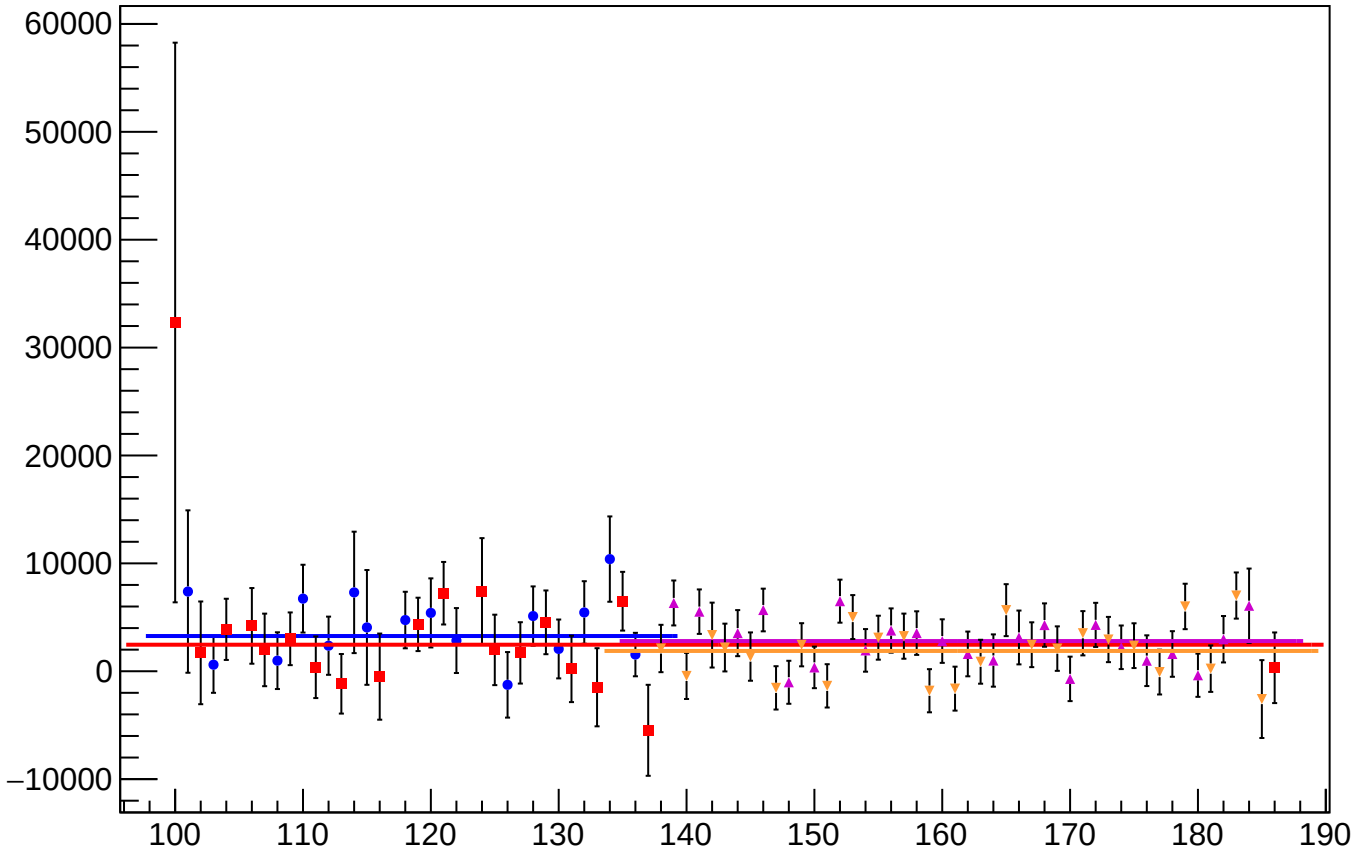
In: 1904.329+/-0.268 χ^2/NDF:707106.1/38

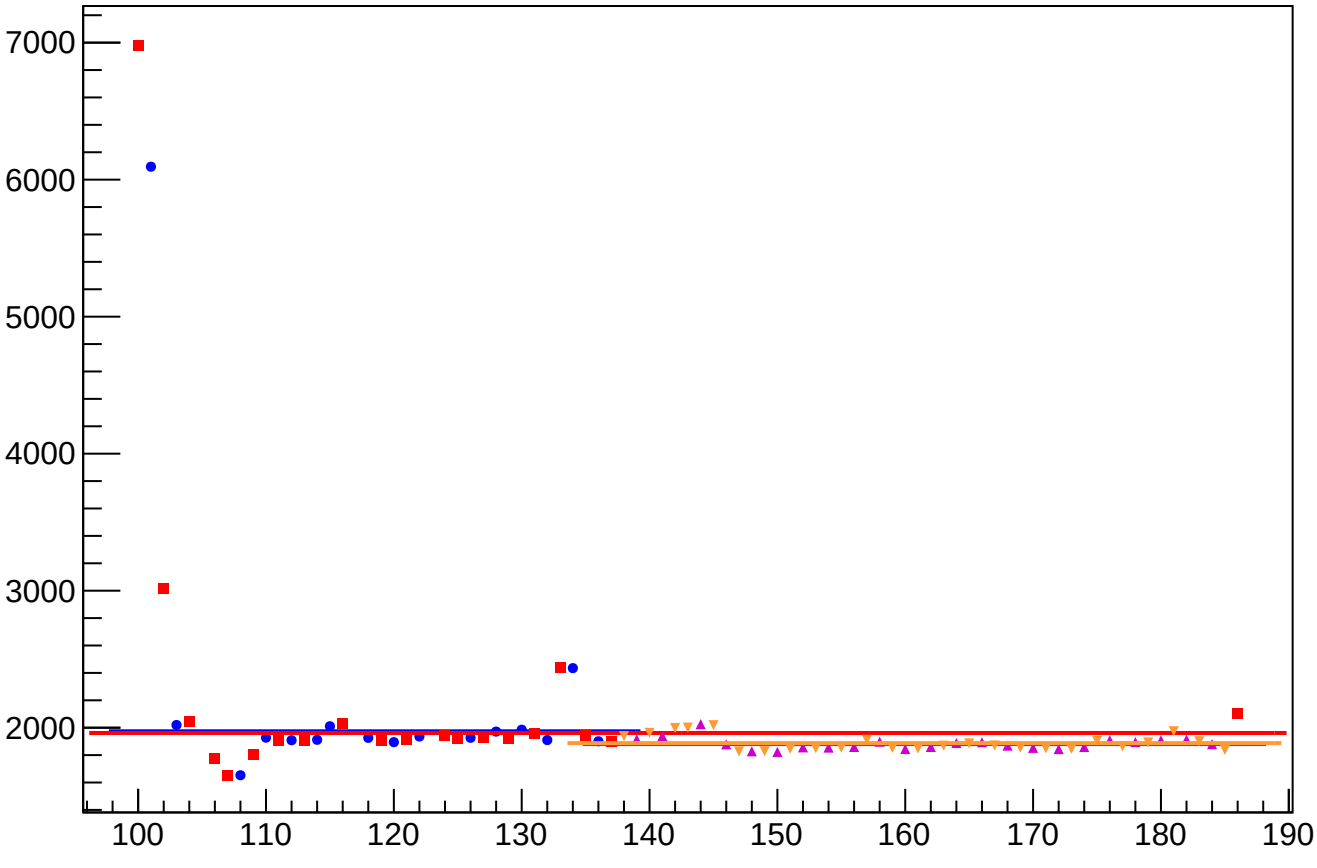
Out: 1907.089+/-0.260 χ^2/NDF:297979.7/44

All: 1905.750+/-0.187 χ^2/NDF: 1005140.3/83


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: -1407.382+/-1689.989 χ²/NDF: 14.2/15
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: -871.586+/-1057.329 χ²/NDF: 36.3/35
In: -569.308+/-954.170 χ²/NDF:28.1/38
Out: -270.901+/-869.384 χ²/NDF:50.1/44
All: -406.260+/-642.636 χ²/NDF: 78.3/83


asym_atr_avg_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: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4887.823+/-0.801 χ²/NDF:1063298.6/24
Right Out: 3461.395+/-0.958 χ²/NDF: 2587579.5/19
Left In: 4853.363+/-0.817 χ²/NDF:1178636.9/22
Left: 4870.937+/-0.572 χ²/NDF: 2242841.7/47
Right: 3847.859+/-0.748 χ²/NDF: 3497611.5/35
In: 4724.370+/-0.675 χ²/NDF:1751362.3/38
Out: 4300.922+/-0.615 χ²/NDF:4954661.6/44
All: 4493.000+/-0.454 χ²/NDF: 6921244.9/83


eigen_dit_asym_atr_avg_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: 3264.644+/-750.865 χ²/NDF: 12.2/15
Left Out: 1880.922+/-428.981 χ²/NDF:32.9/24
Right Out: 2459.000+/-717.032 χ²/NDF: 17.5/19
Left In: 2798.435+/-439.234 χ²/NDF:25.4/22
Left: 2328.844+/-306.896 χ²/NDF: 60.6/47
Right: 2843.263+/-518.566 χ²/NDF: 30.2/35
In: 2917.295+/-379.131 χ²/NDF:37.9/38
Out: 2033.294+/-368.128 χ²/NDF:50.9/44
All: 2462.281+/-264.110 χ²/NDF: 91.6/83



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

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

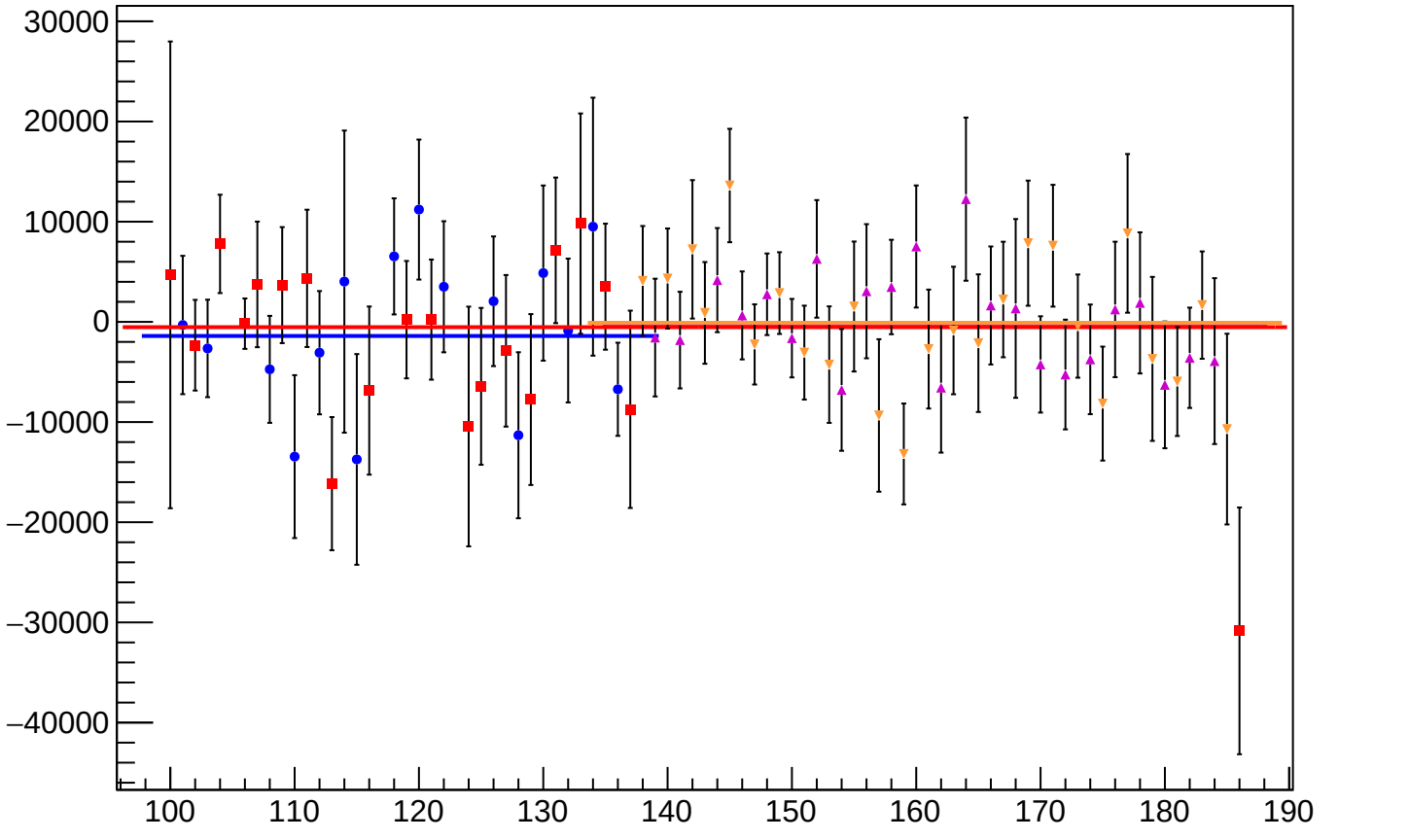
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1967.388+/-0.367 χ^2/NDF: 915692.4/35

In: 1904.330+/-0.268 χ^2/NDF:707105.5/38

Out: 1907.089+/-0.260 χ^2/NDF:297978.8/44

All: 1905.750+/-0.187 χ^2/NDF: 1005138.9/83



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

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

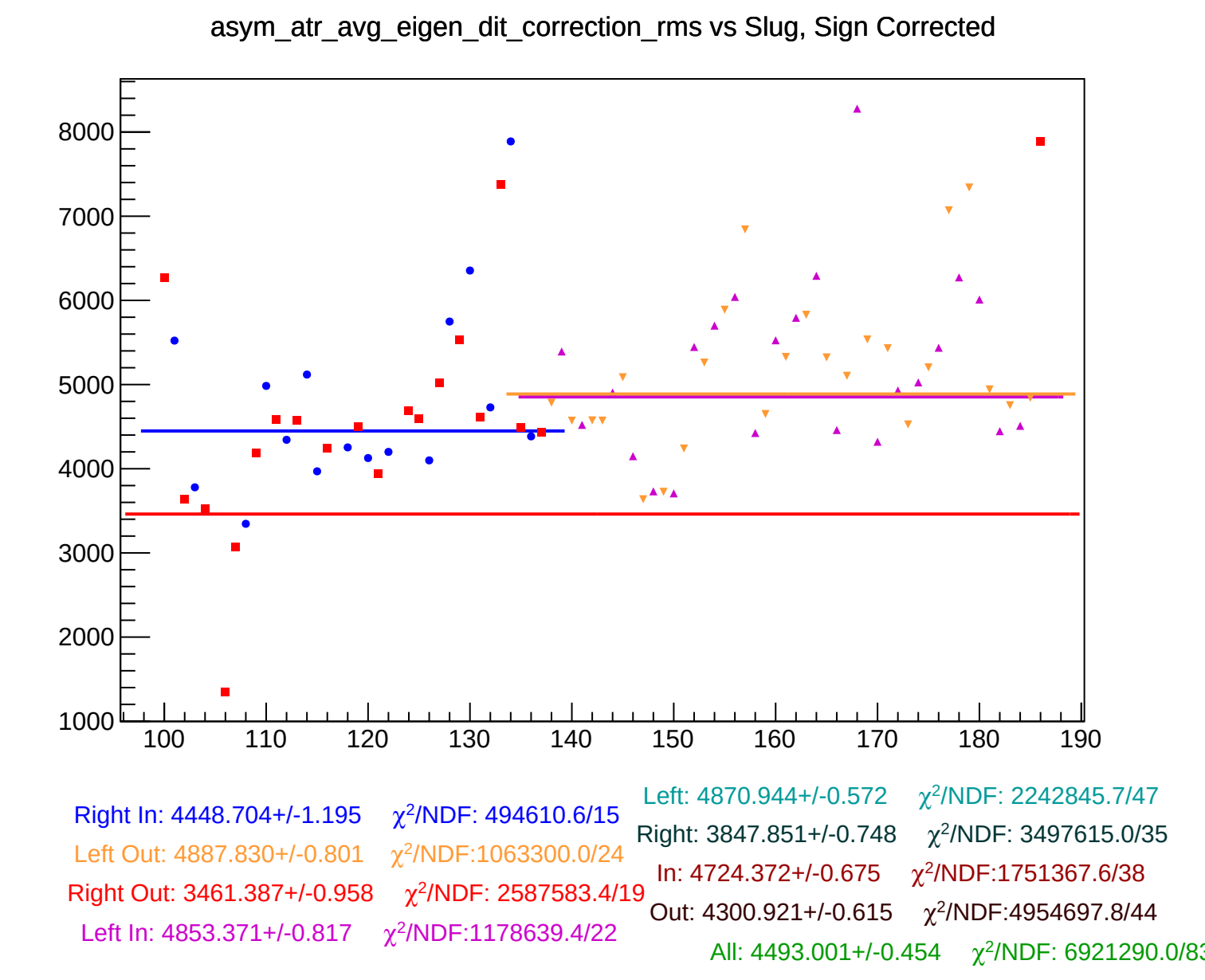
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -871.579+/-1057.327 χ^2/NDF: 36.3/35

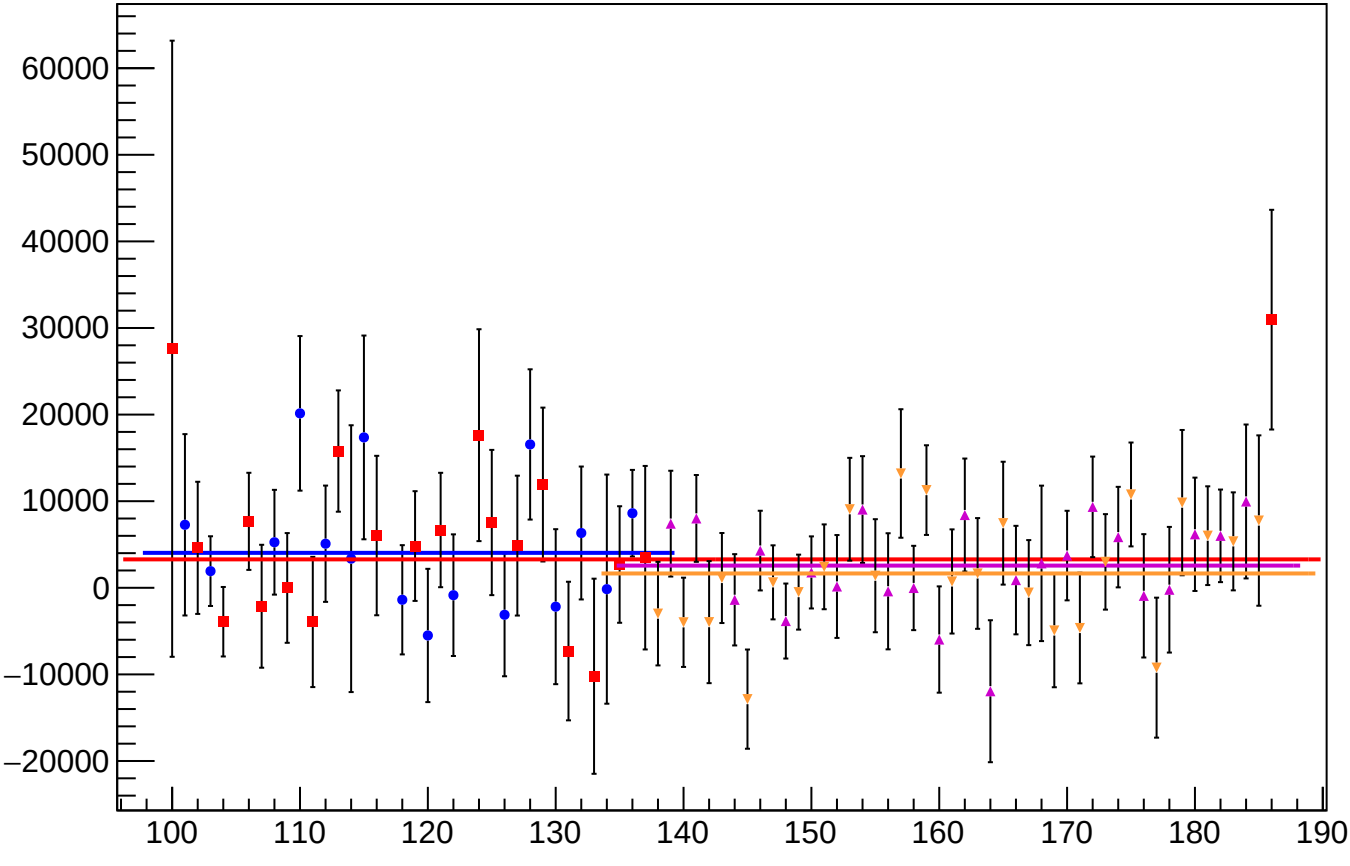
In: -569.306+/-954.171 χ^2/NDF:28.1/38

Out: -270.904+/-869.384 χ^2/NDF:50.1/44

All: -406.260+/-642.636 χ^2/NDF: 78.3/83


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: 4448.704+/-1.195 χ²/NDF: 494610.6/15
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: 3847.851+/-0.748 χ²/NDF: 3497615.0/35
In: 4724.372+/-0.675 χ²/NDF:1751367.6/38
Out: 4300.921+/-0.615 χ²/NDF:4954697.8/44
All: 4493.001+/-0.454 χ²/NDF: 6921290.0/83

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

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

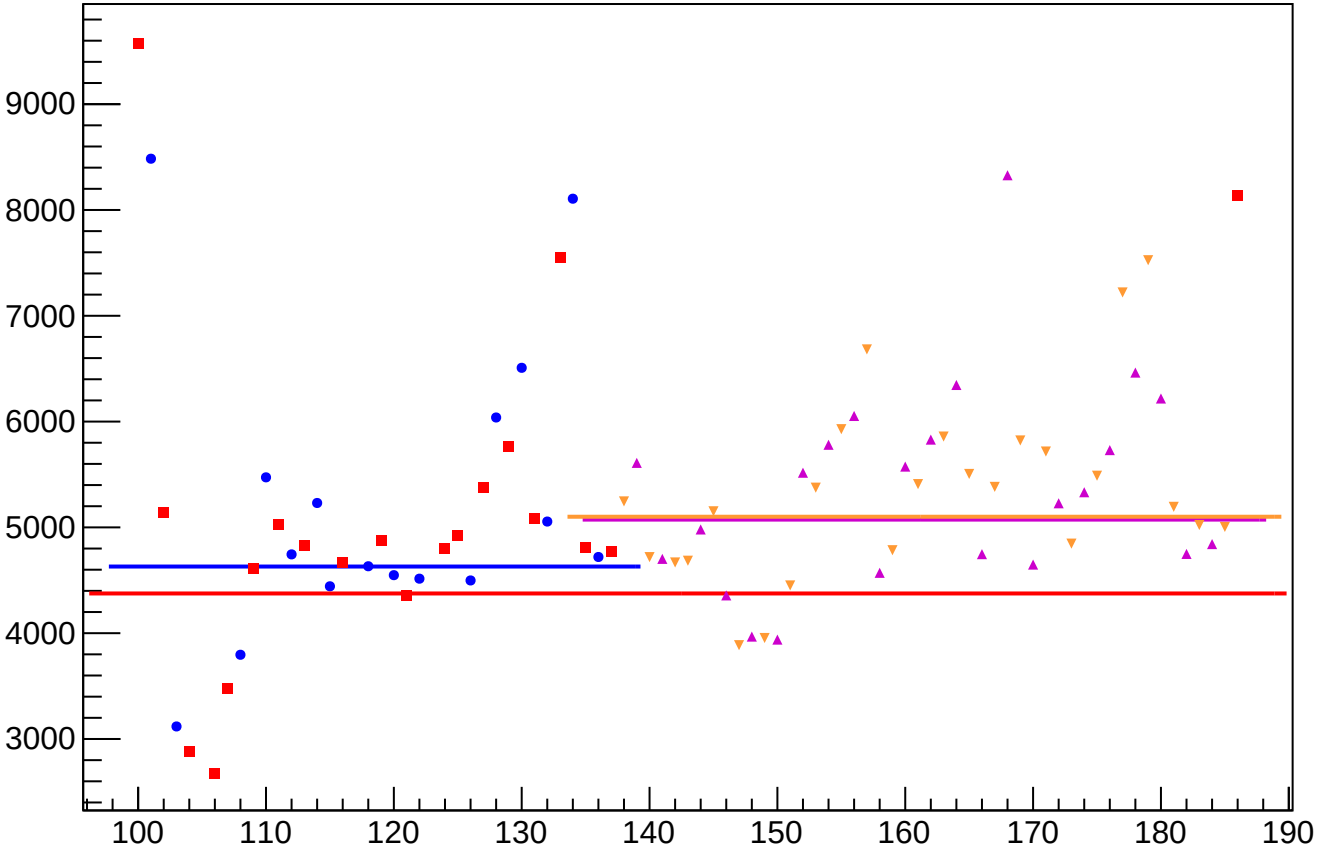
Right: 3630.738+/-1213.685 χ^2/NDF: 32.7/35

In: 3024.862+/-997.896 χ^2/NDF:28.8/38

Out: 2200.925+/-960.561 χ^2/NDF:46.9/44

All: 2597.192+/-692.042 χ^2/NDF: 76.0/83

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4375.401+/-1.162 χ^2/NDF: 1083424.6/19

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

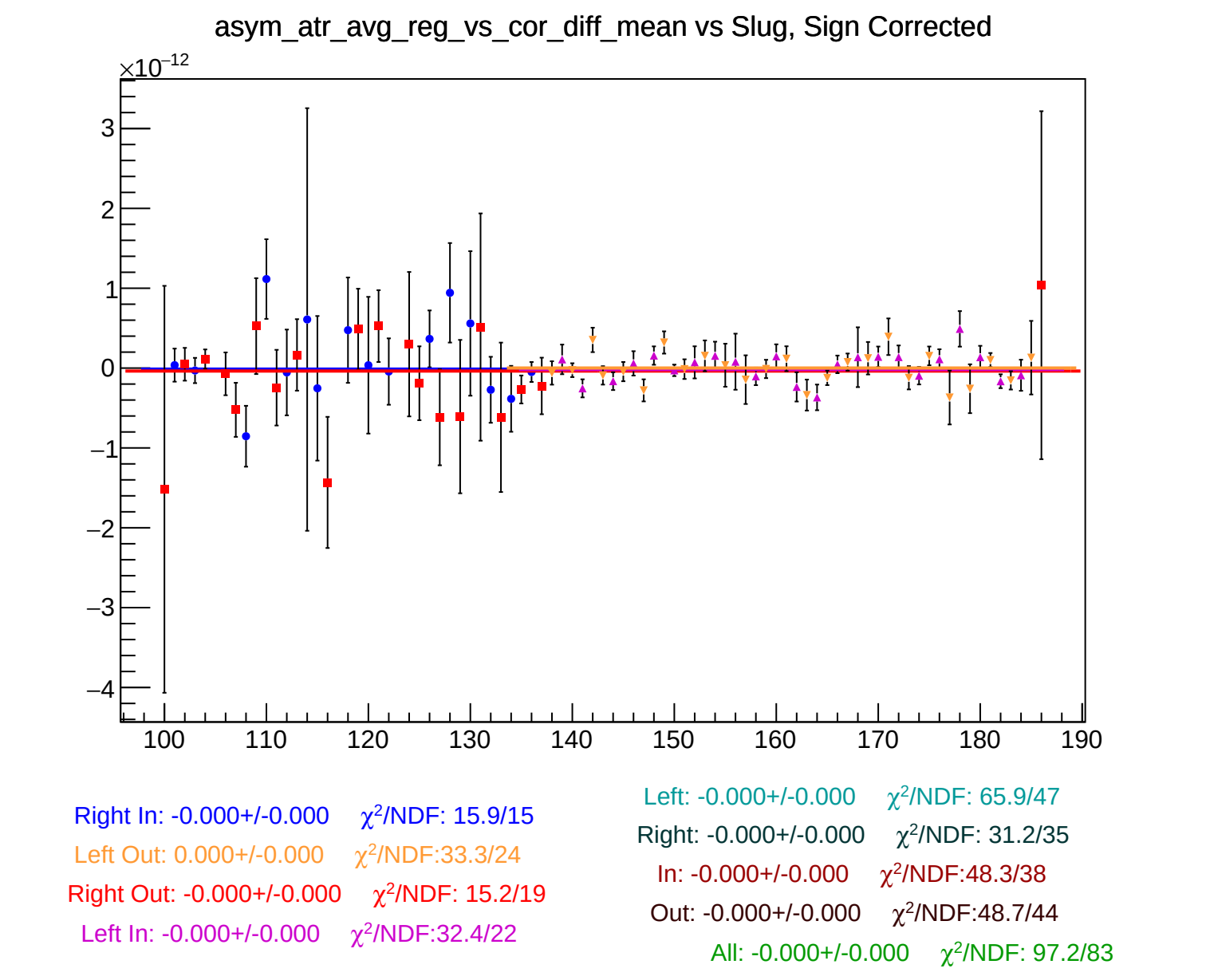
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 4492.402+/-0.854 χ^2/NDF: 2005726.1/35

In: 4934.449+/-0.706 χ^2/NDF:1977222.4/38

Out: 4854.311+/-0.677 χ^2/NDF:2249946.9/44

All: 4892.738+/-0.489 χ^2/NDF: 4233882.7/83


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
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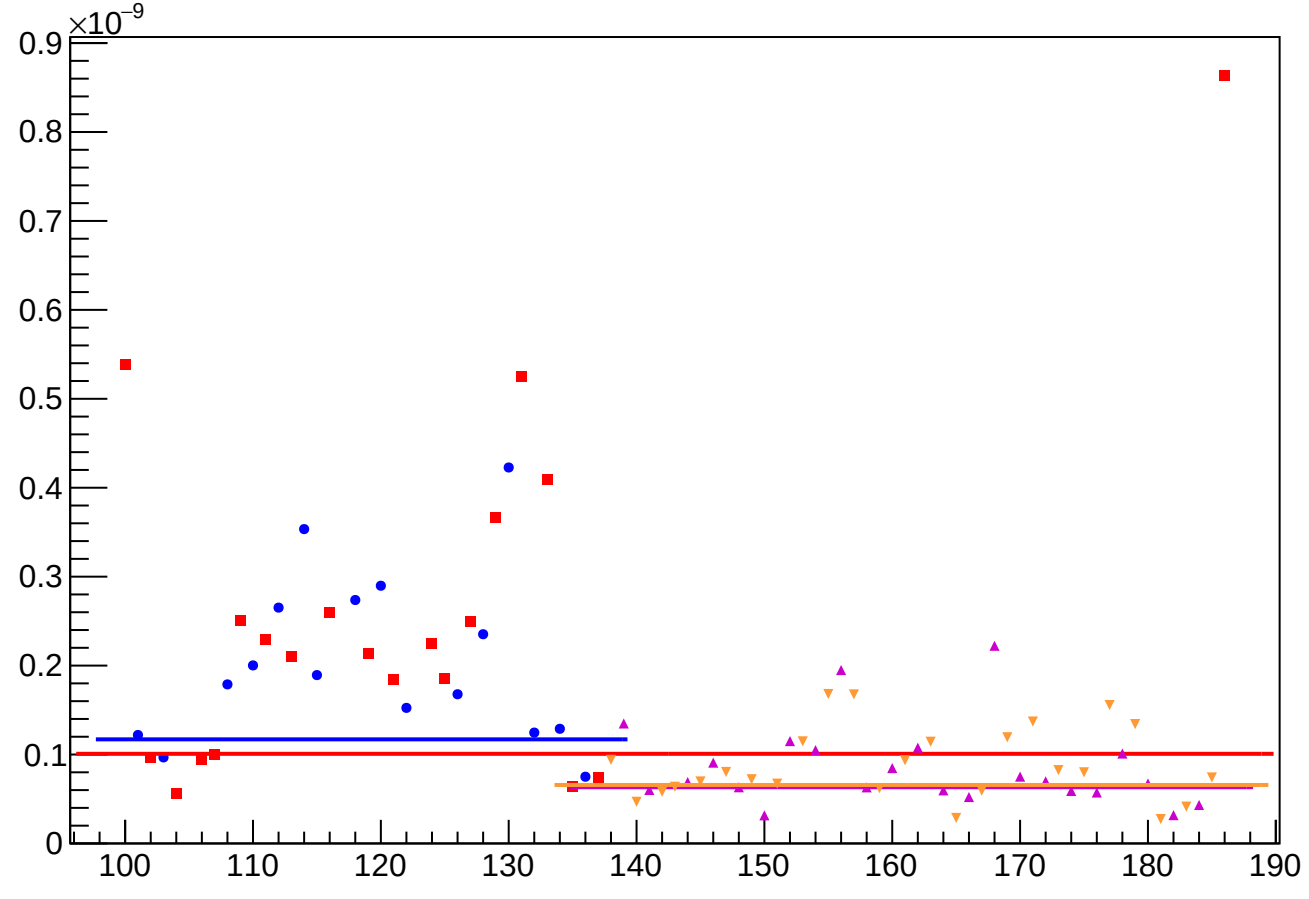
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:33.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.2/19
Left In: -0.000+/-0.000 χ²/NDF:32.4/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/47
Right: -0.000+/-0.000 χ²/NDF: 31.2/35
In: -0.000+/-0.000 χ²/NDF:48.3/38
Out: -0.000+/-0.000 χ²/NDF:48.7/44
All: -0.000+/-0.000 χ²/NDF: 97.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2089294.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

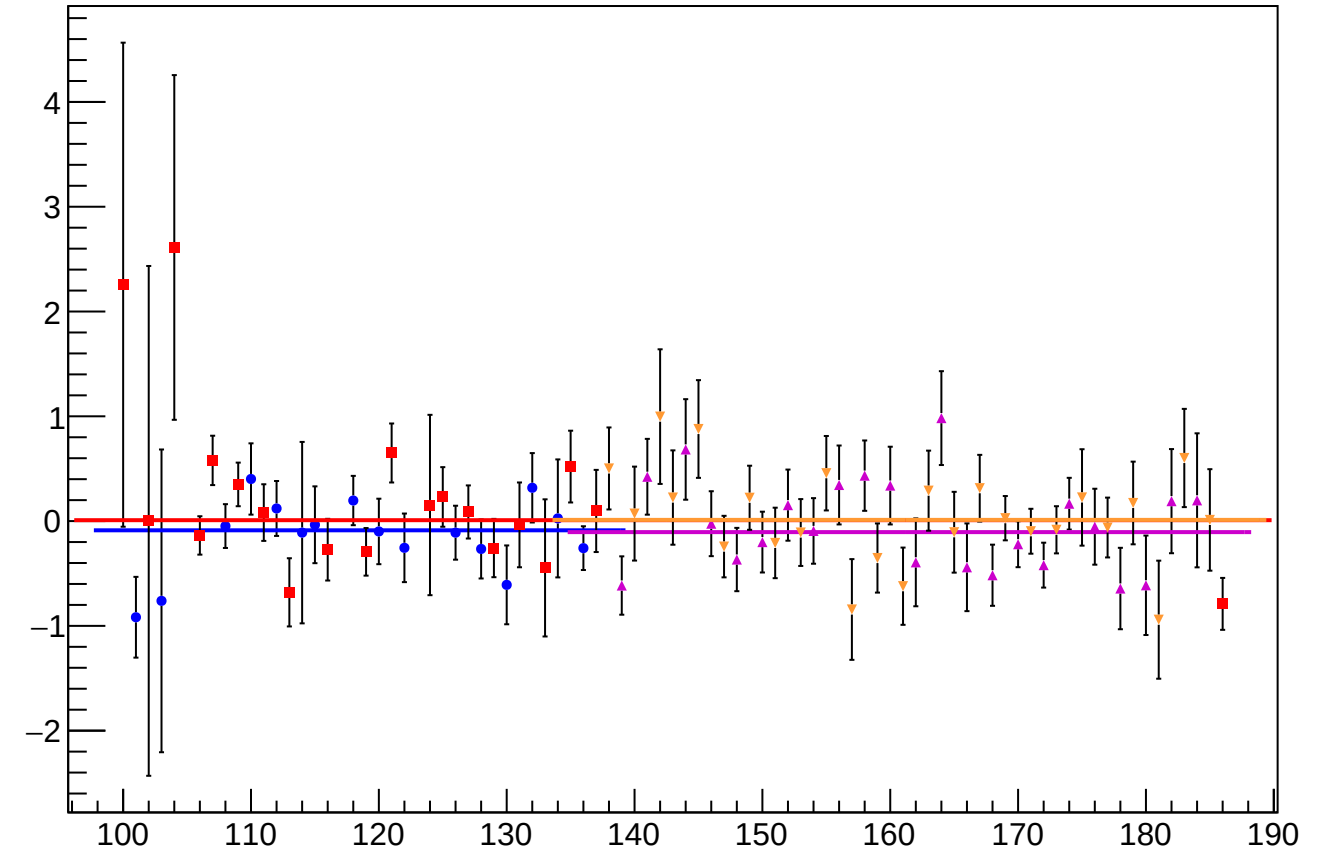
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3237990.9/35

In: 0.000+/-0.000 χ^2/NDF:4197326.3/38

Out: 0.000+/-0.000 χ^2/NDF:4969110.7/44

All: 0.000+/-0.000 χ^2/NDF: 9167055.6/83



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

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

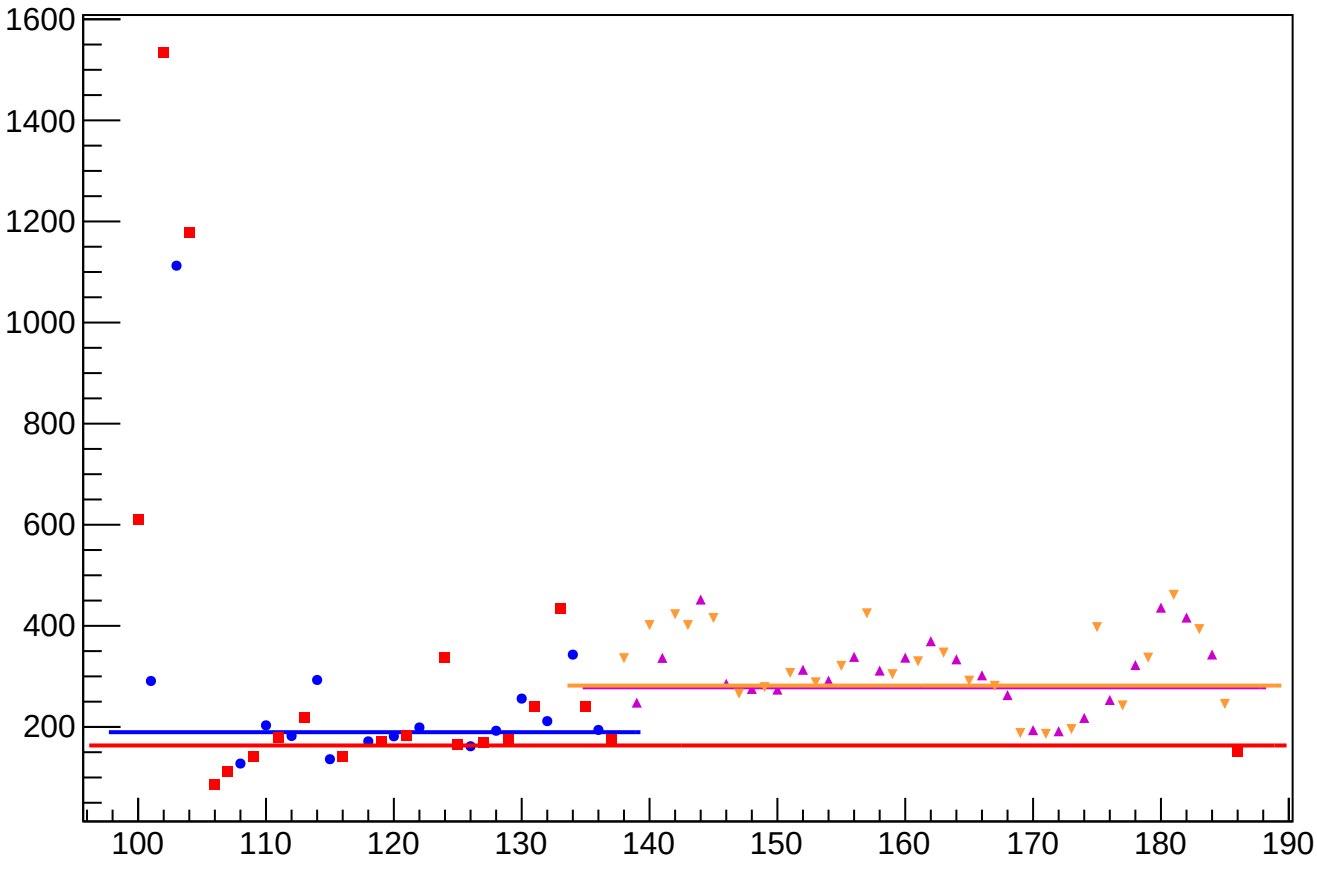
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.033+/-0.051 χ^2/NDF: 54.6/35

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.040+/-0.035 χ^2/NDF: 112.8/83



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

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

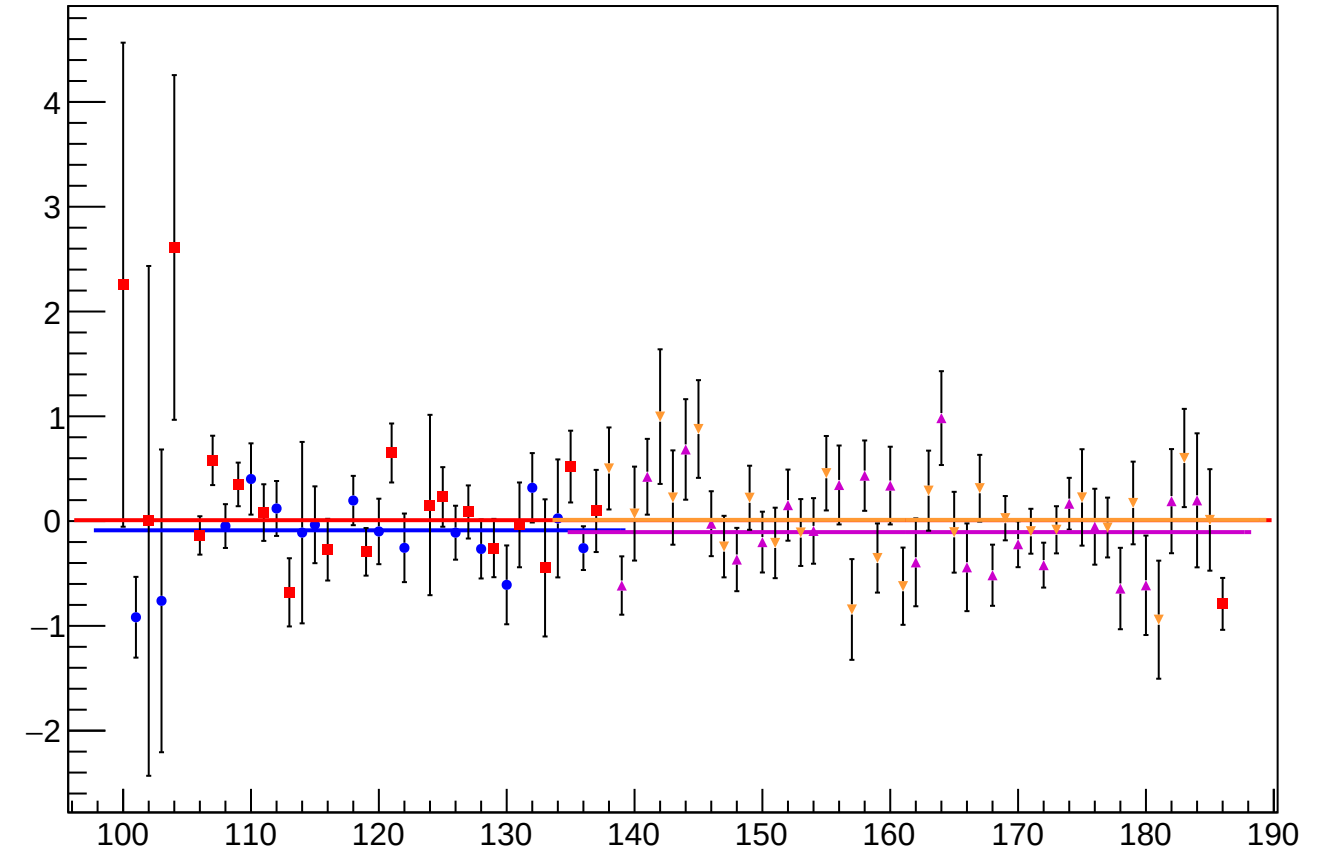
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 174.789+/-0.036 χ^2/NDF: 4246026.9/35

In: 238.994+/-0.036 χ^2/NDF:4752491.4/38

Out: 222.001+/-0.034 χ^2/NDF:8229694.6/44

All: 229.936+/-0.025 χ^2/NDF: 13099830.5/83



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

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

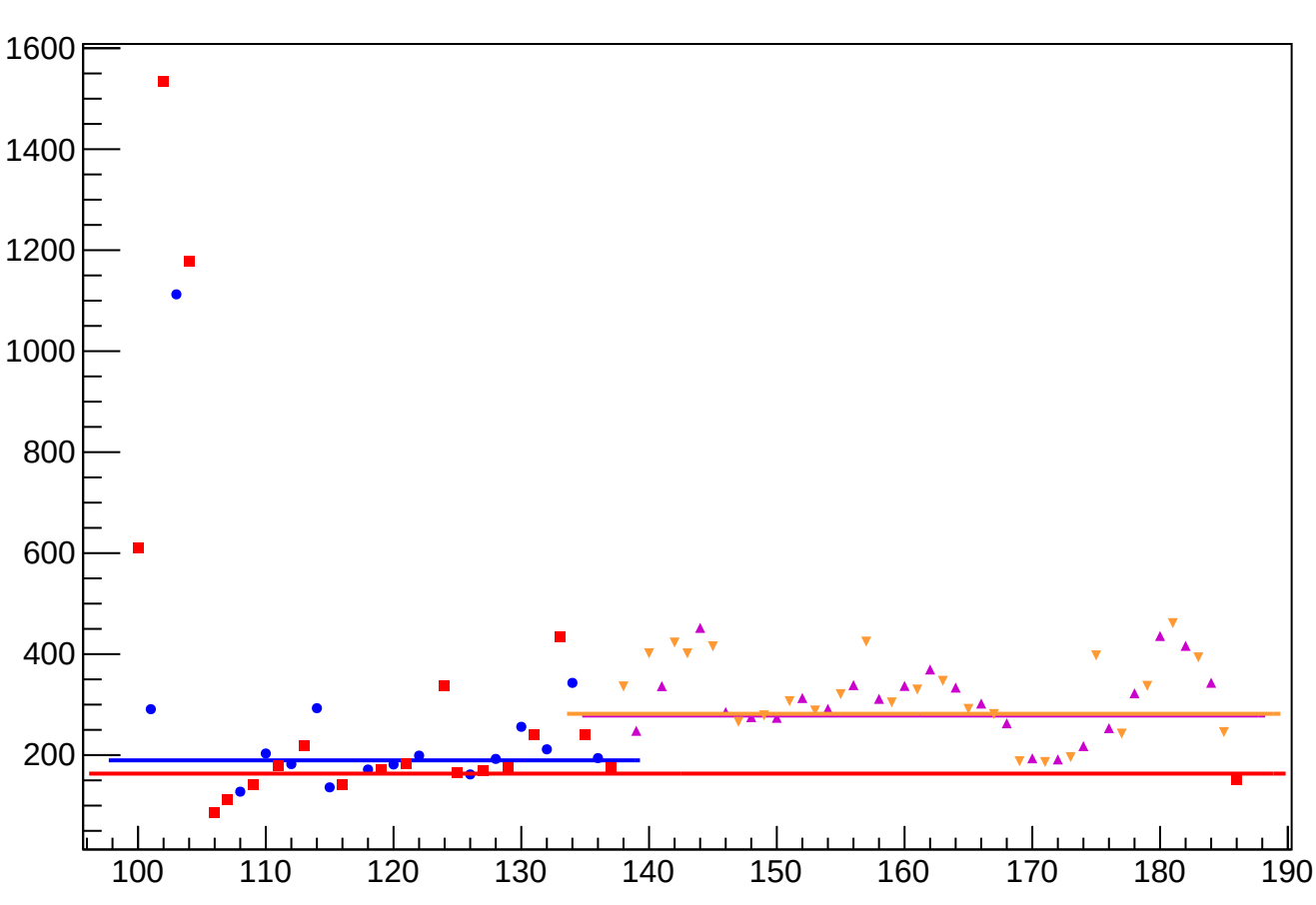
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.033+/-0.051 χ^2/NDF: 54.6/35

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.040+/-0.035 χ^2/NDF: 112.8/83



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

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

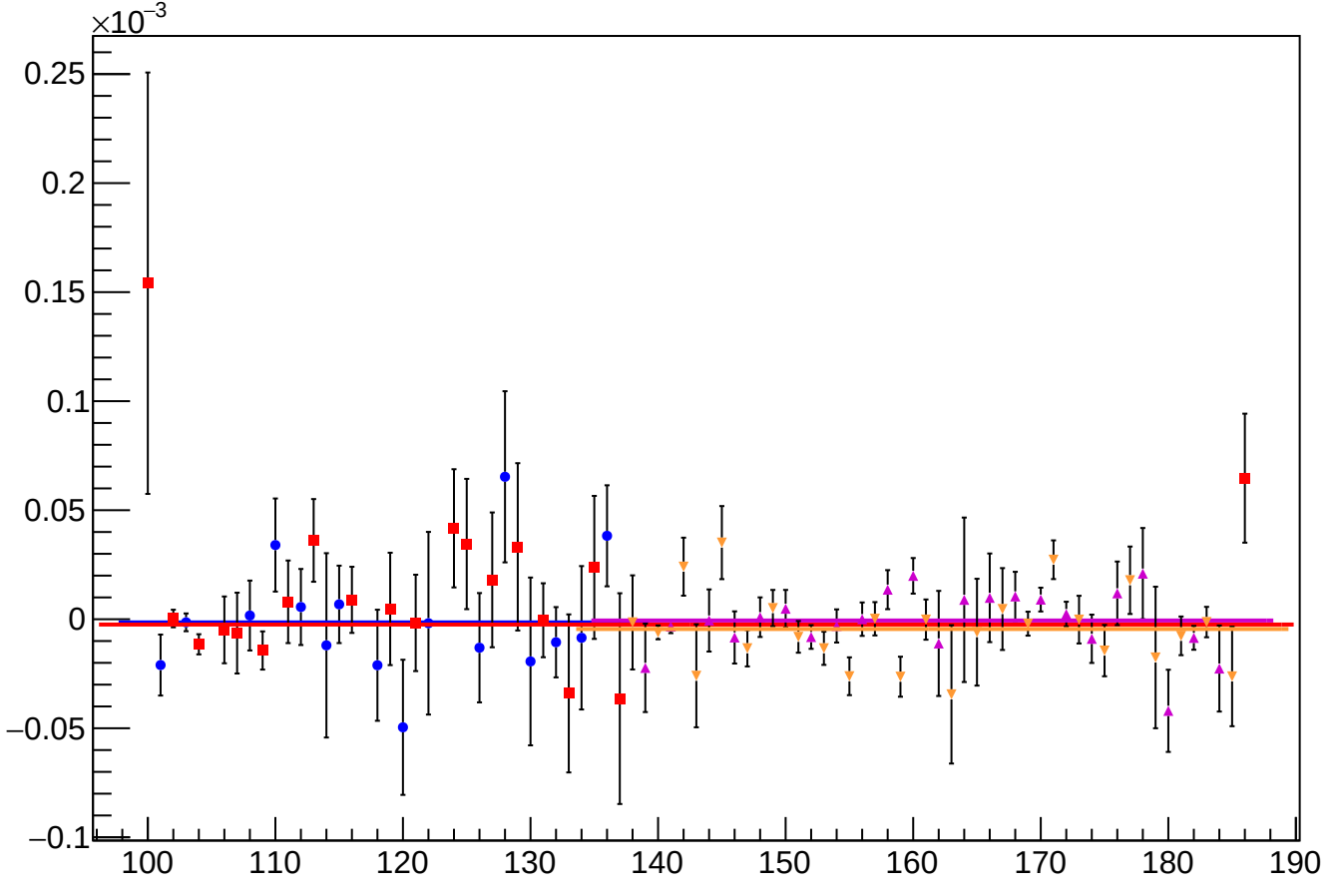
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 174.789+/-0.036 χ^2/NDF: 4246026.9/35

In: 238.994+/-0.036 χ^2/NDF:4752491.4/38

Out: 222.001+/-0.034 χ^2/NDF:8229694.6/44

All: 229.936+/-0.025 χ^2/NDF: 13099830.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

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

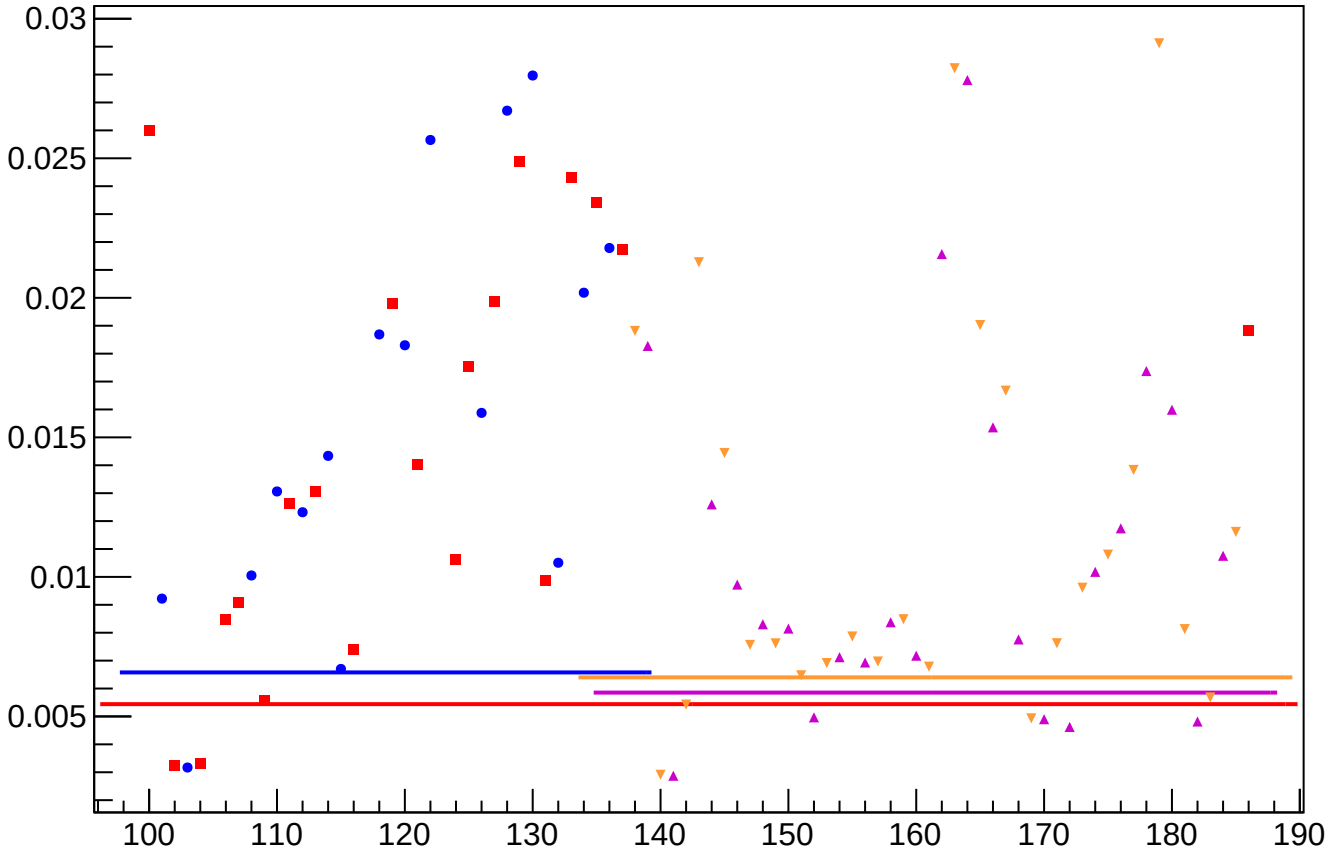
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 41.4/35

In: -0.000+/-0.000 χ^2/NDF:44.0/38

Out: -0.000+/-0.000 χ^2/NDF:73.3/44

All: -0.000+/-0.000 χ^2/NDF: 119.6/83



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

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

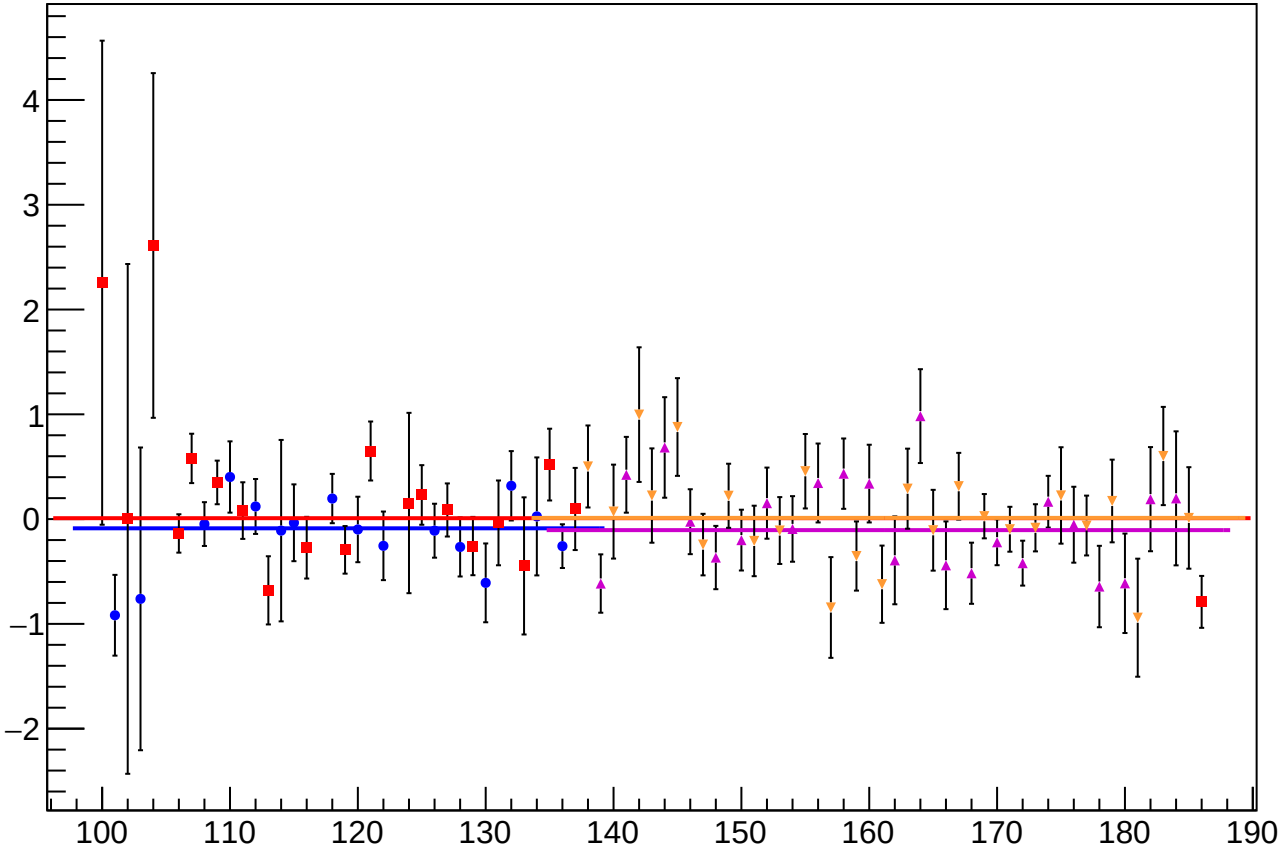
Right: 0.006+/-0.000 χ^2/NDF: 12174113.6/35

In: 0.006+/-0.000 χ^2/NDF:14148979.7/38

Out: 0.006+/-0.000 χ^2/NDF:15256906.4/44

All: 0.006+/-0.000 χ^2/NDF: 29411224.6/83

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-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

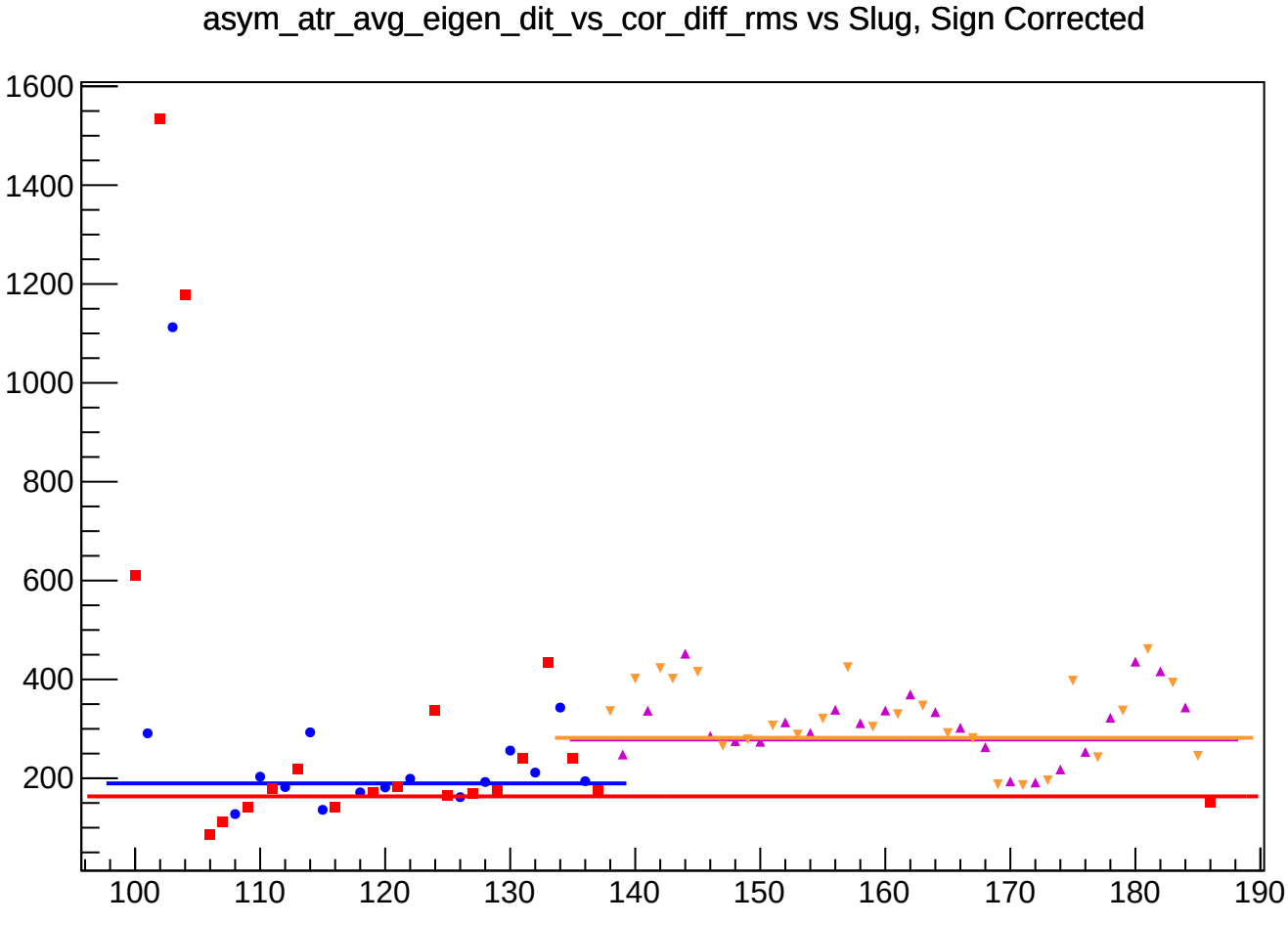
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.033+/-0.051 χ^2/NDF: 54.6/35

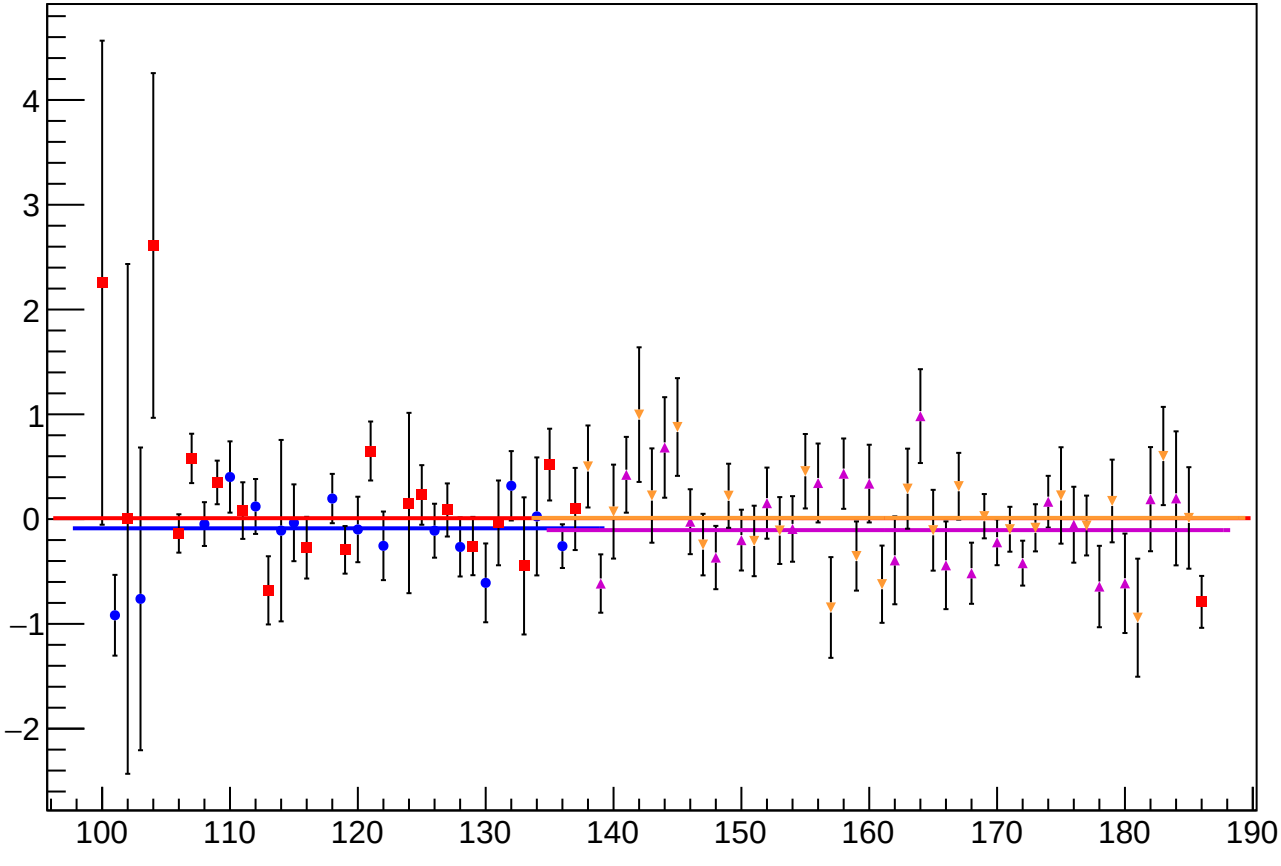
In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.040+/-0.035 χ^2/NDF: 112.8/83


asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 189.628+/-0.054 χ²/NDF: 1465464.1/15
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 163.357+/-0.048 χ²/NDF: 2648231.9/19
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
Left: 280.130+/-0.034 χ²/NDF: 4323107.7/47
Right: 174.787+/-0.036 χ²/NDF: 4246001.2/35
In: 238.994+/-0.036 χ²/NDF:4752621.3/38
Out: 222.001+/-0.034 χ²/NDF:8229933.3/44
All: 229.936+/-0.025 χ²/NDF: 13100211.0/83

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.012+/-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

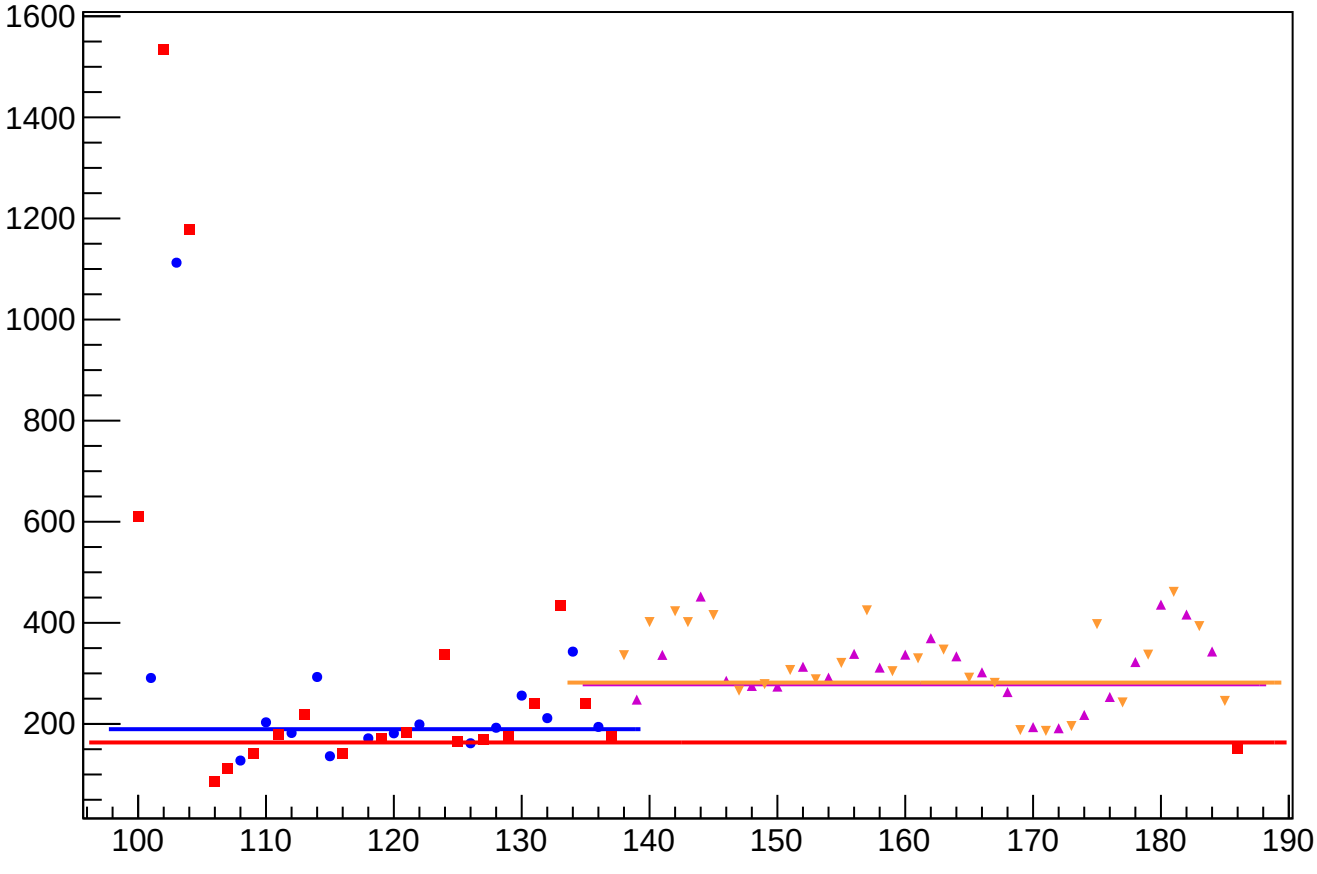
Right: -0.033+/-0.051 χ^2/NDF: 54.6/35

In: -0.098+/-0.051 χ^2/NDF:45.3/38

Out: 0.010+/-0.048 χ^2/NDF:65.1/44

All: -0.040+/-0.035 χ^2/NDF: 112.8/83

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 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

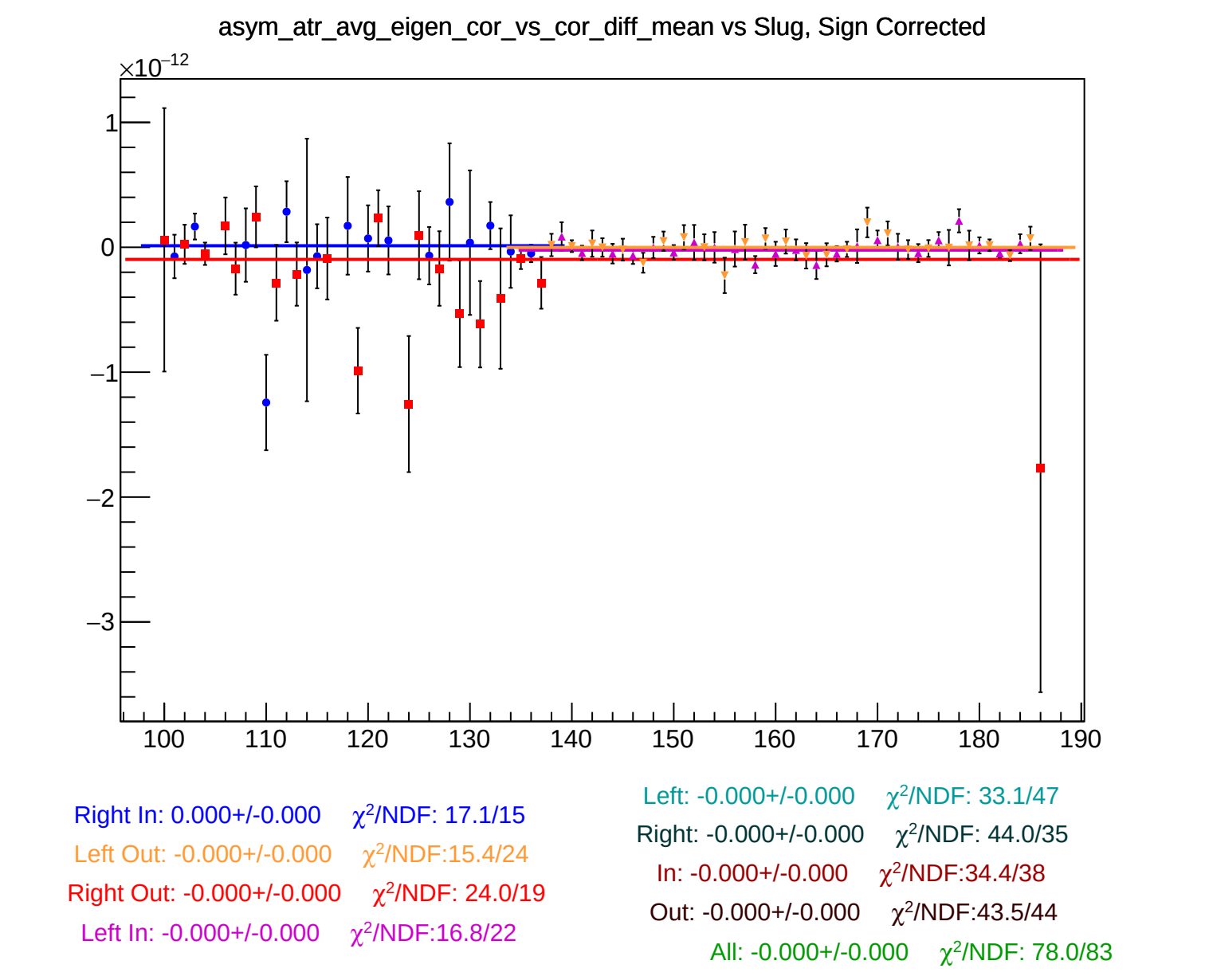
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

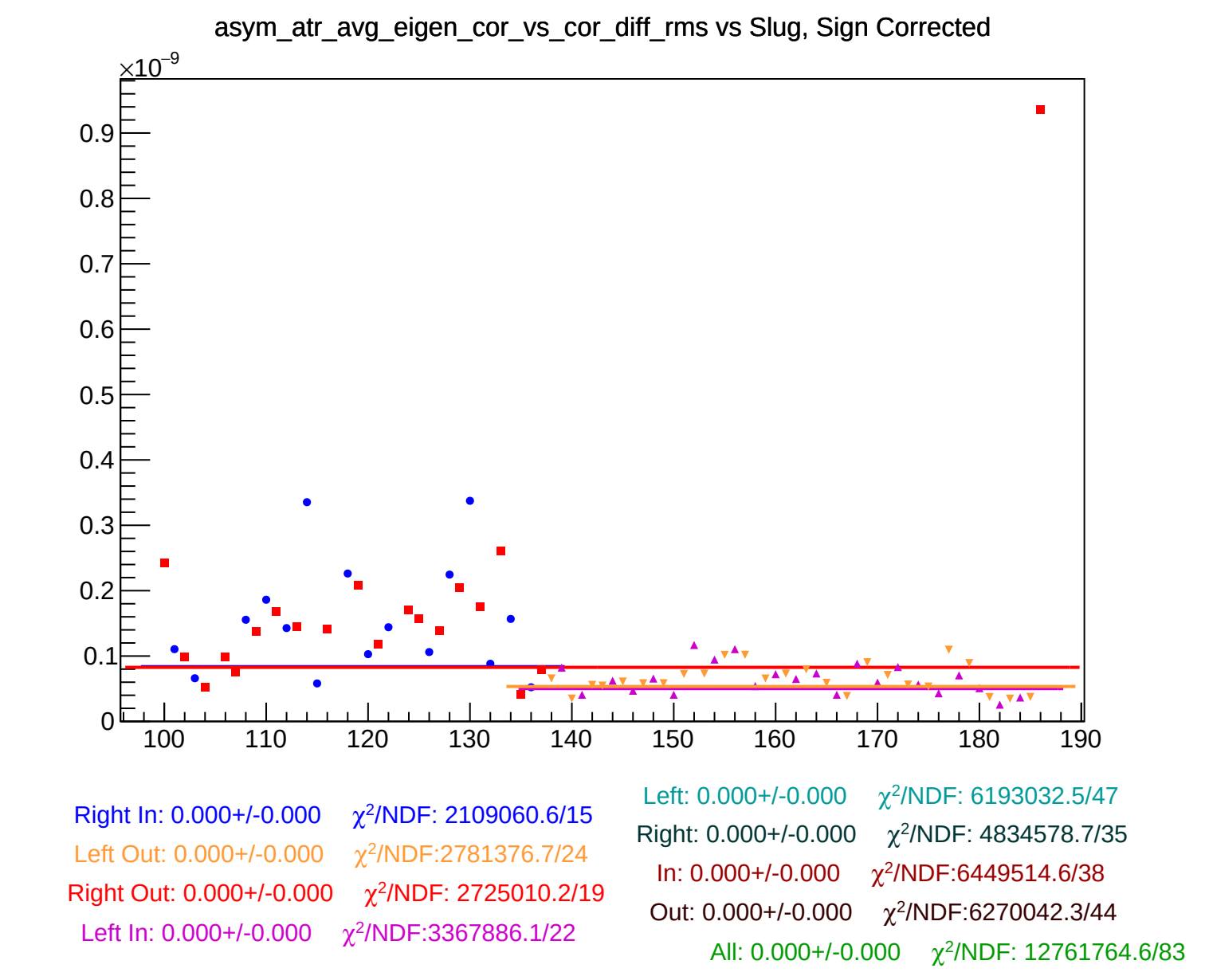
Right: 174.787+/-0.036 χ^2/NDF: 4246001.2/35

In: 238.994+/-0.036 χ^2/NDF:4752621.3/38

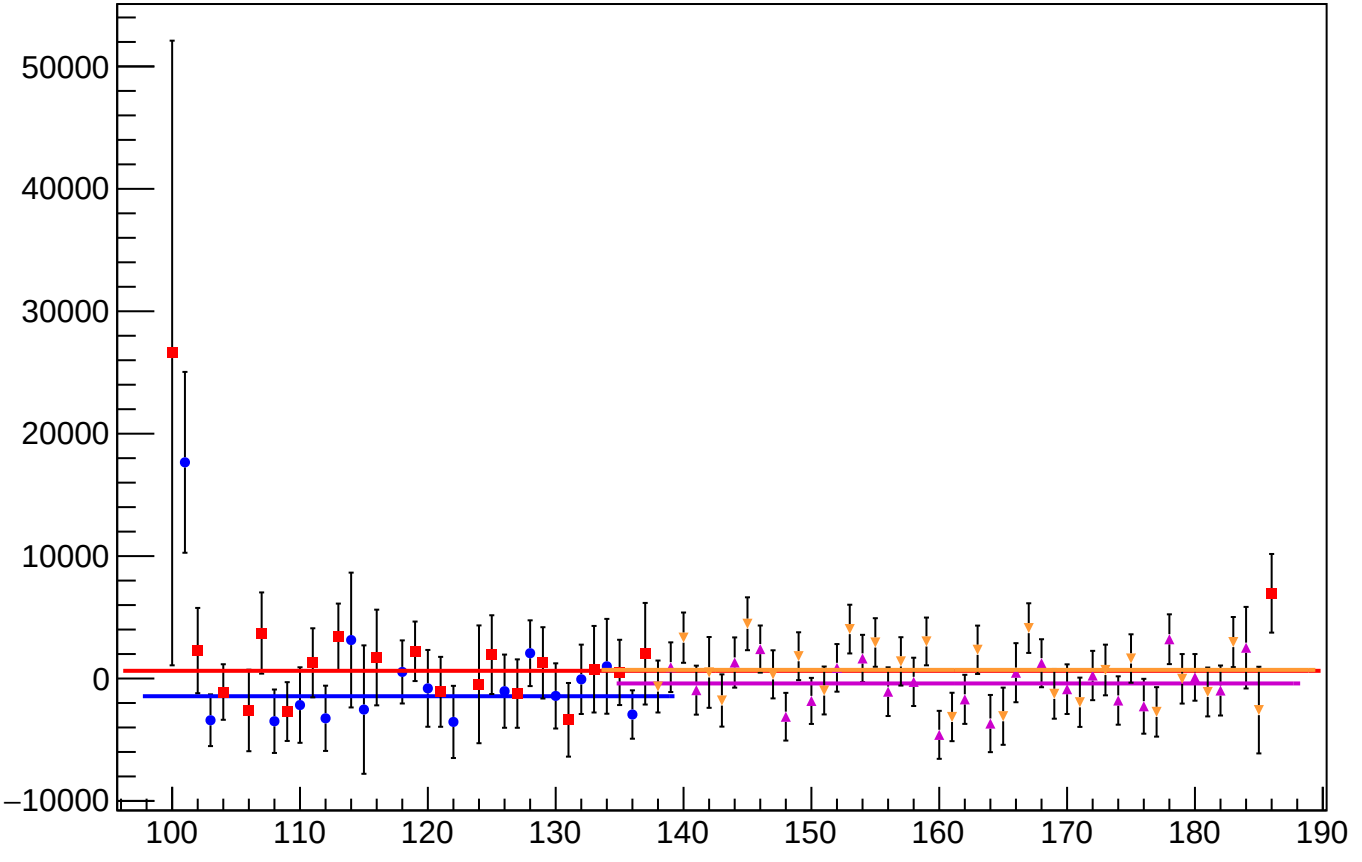
Out: 222.001+/-0.034 χ^2/NDF:8229933.3/44

All: 229.936+/-0.025 χ^2/NDF: 13100211.0/83


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: 17.1/15
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: 44.0/35
In: -0.000+/-0.000 χ²/NDF:34.4/38
Out: -0.000+/-0.000 χ²/NDF:43.5/44
All: -0.000+/-0.000 χ²/NDF: 78.0/83


asym_atr_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: 2109060.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2725010.2/19
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 4834578.7/35
In: 0.000+/-0.000 χ²/NDF:6449514.6/38
Out: 0.000+/-0.000 χ²/NDF:6270042.3/44
All: 0.000+/-0.000 χ²/NDF: 12761764.6/83

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

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

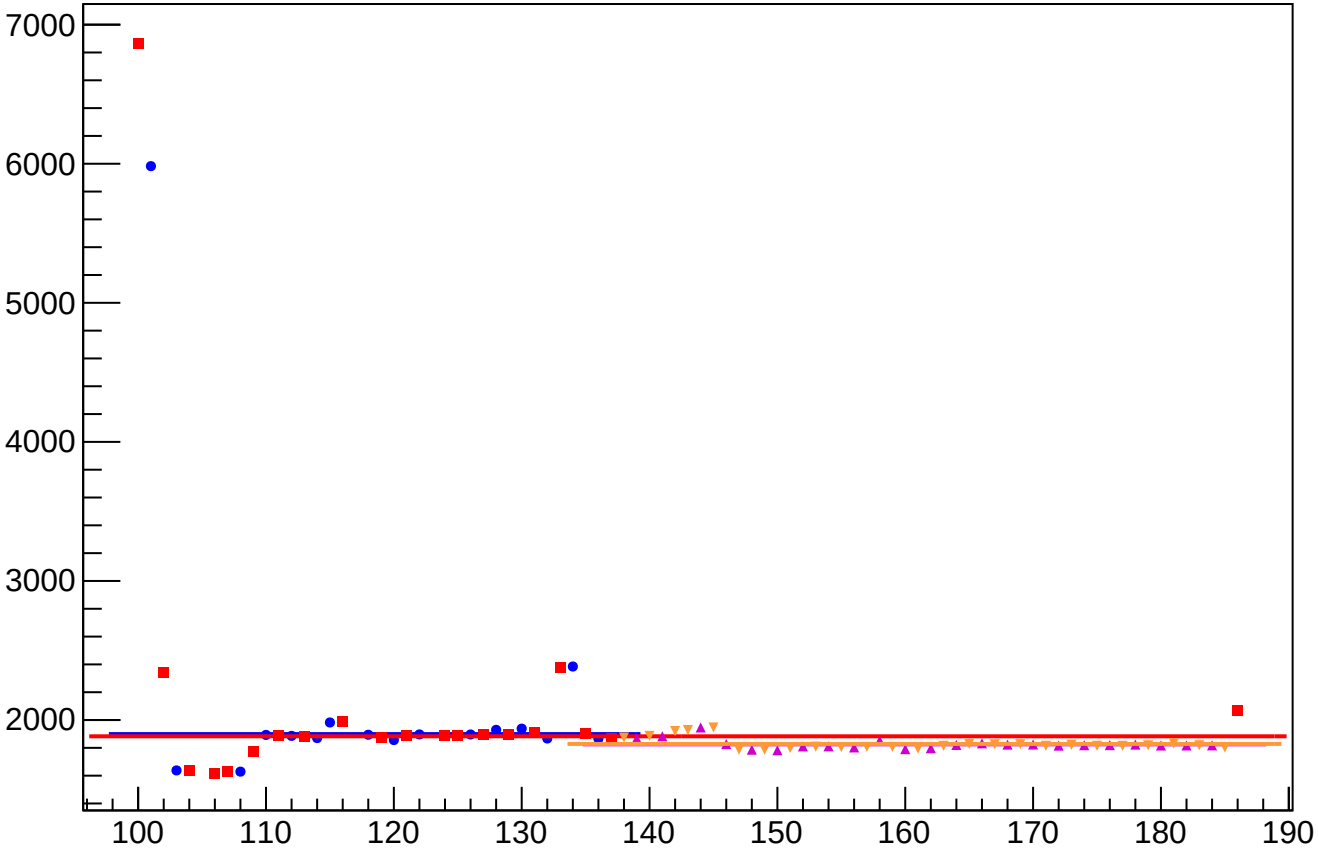
Right: -354.852+/-497.849 χ^2/NDF: 31.9/35

In: -672.156+/-367.183 χ^2/NDF:35.8/38

Out: 685.118+/-355.380 χ^2/NDF:46.0/44

All: 28.646+/-255.362 χ^2/NDF: 88.8/83

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

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

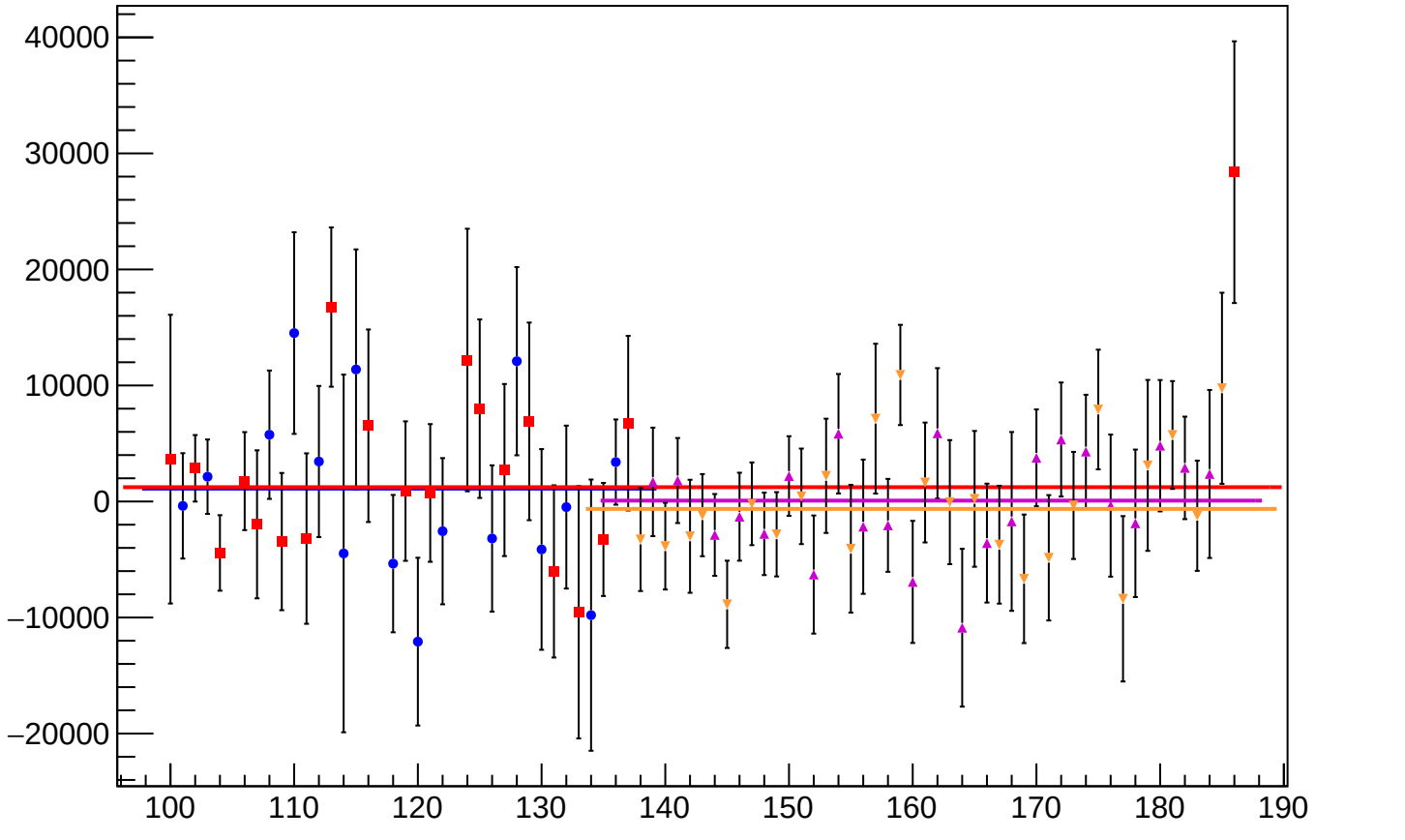
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1890.466+/-0.351 χ^2/NDF: 912534.8/35

In: 1844.156+/-0.260 χ^2/NDF:726276.3/38

Out: 1842.985+/-0.251 χ^2/NDF:243197.1/44

All: 1843.551+/-0.180 χ^2/NDF: 969483.9/83



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

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

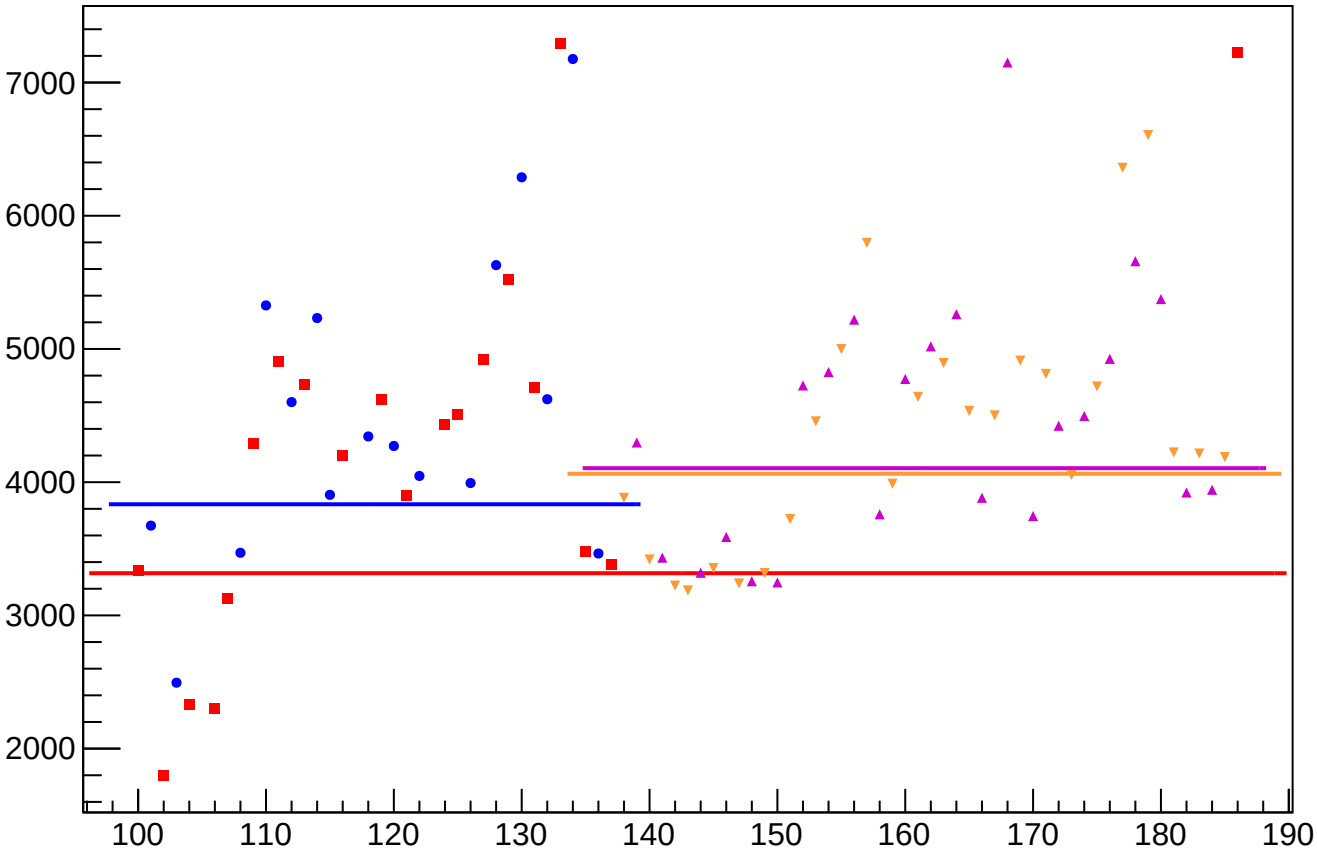
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1179.921+/-975.878 χ^2/NDF: 34.9/35

In: 392.163+/-817.121 χ^2/NDF:29.2/38

Out: 11.236+/-765.069 χ^2/NDF:48.8/44

All: 189.181+/-558.481 χ^2/NDF: 78.1/83



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

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

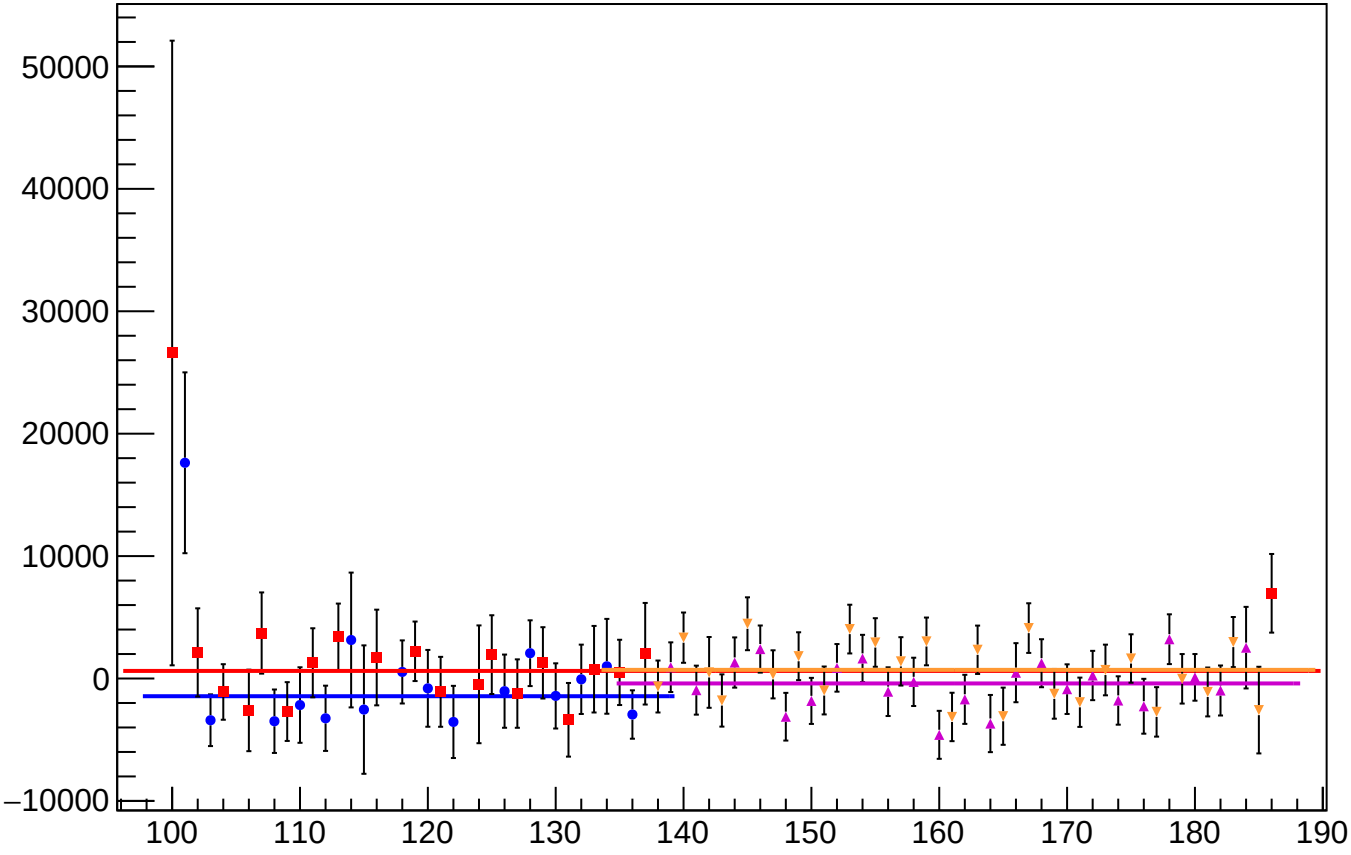
Right: 3541.883+/-0.690 χ^2/NDF: 3203087.1/35

In: 4022.400+/-0.578 χ^2/NDF:2362874.7/38

Out: 3803.991+/-0.541 χ^2/NDF:3944570.8/44

All: 3906.018+/-0.395 χ^2/NDF: 6383586.2/83

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

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

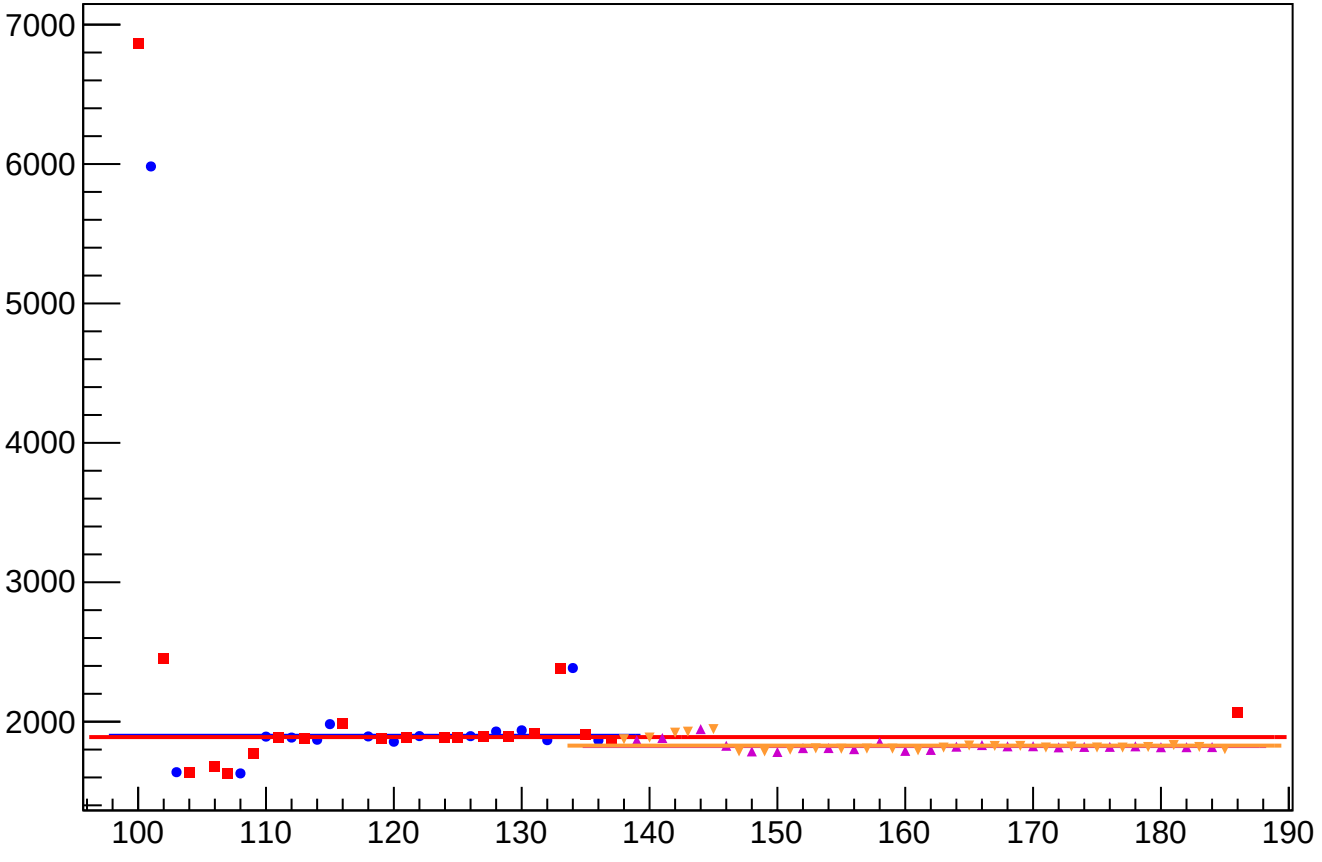
Right: -361.200+/-498.186 χ^2/NDF: 31.7/35

In: -672.135+/-367.183 χ^2/NDF:35.8/38

Out: 682.738+/-355.502 χ^2/NDF:45.9/44

All: 27.195+/-255.408 χ^2/NDF: 88.7/83

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

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

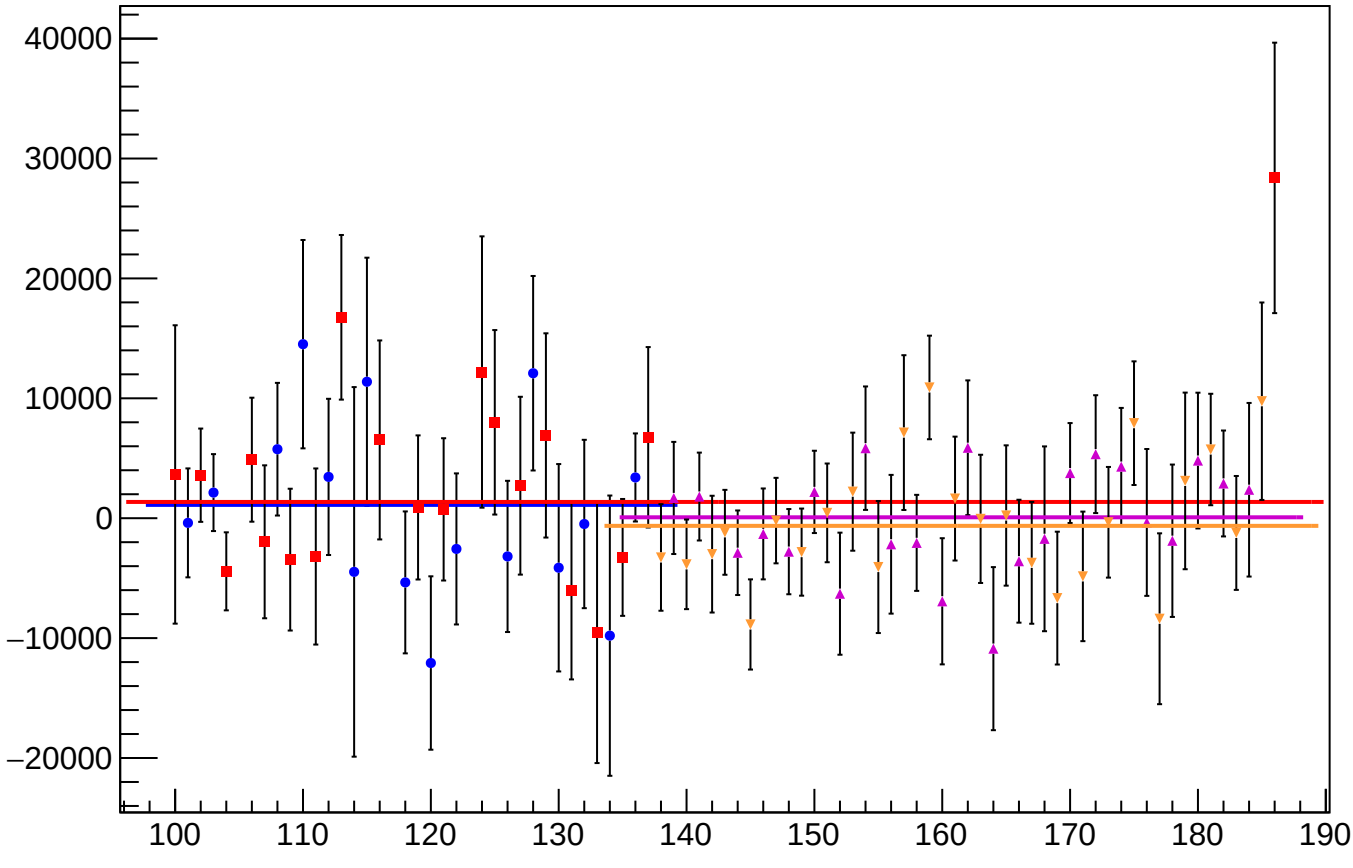
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1893.911+/-0.352 χ^2/NDF: 920636.1/35

In: 1844.156+/-0.260 χ^2/NDF:726276.3/38

Out: 1844.662+/-0.251 χ^2/NDF:253930.7/44

All: 1844.418+/-0.181 χ^2/NDF: 980209.1/83



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1356.537+/-1388.353 χ^2/NDF: 22.0/19

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

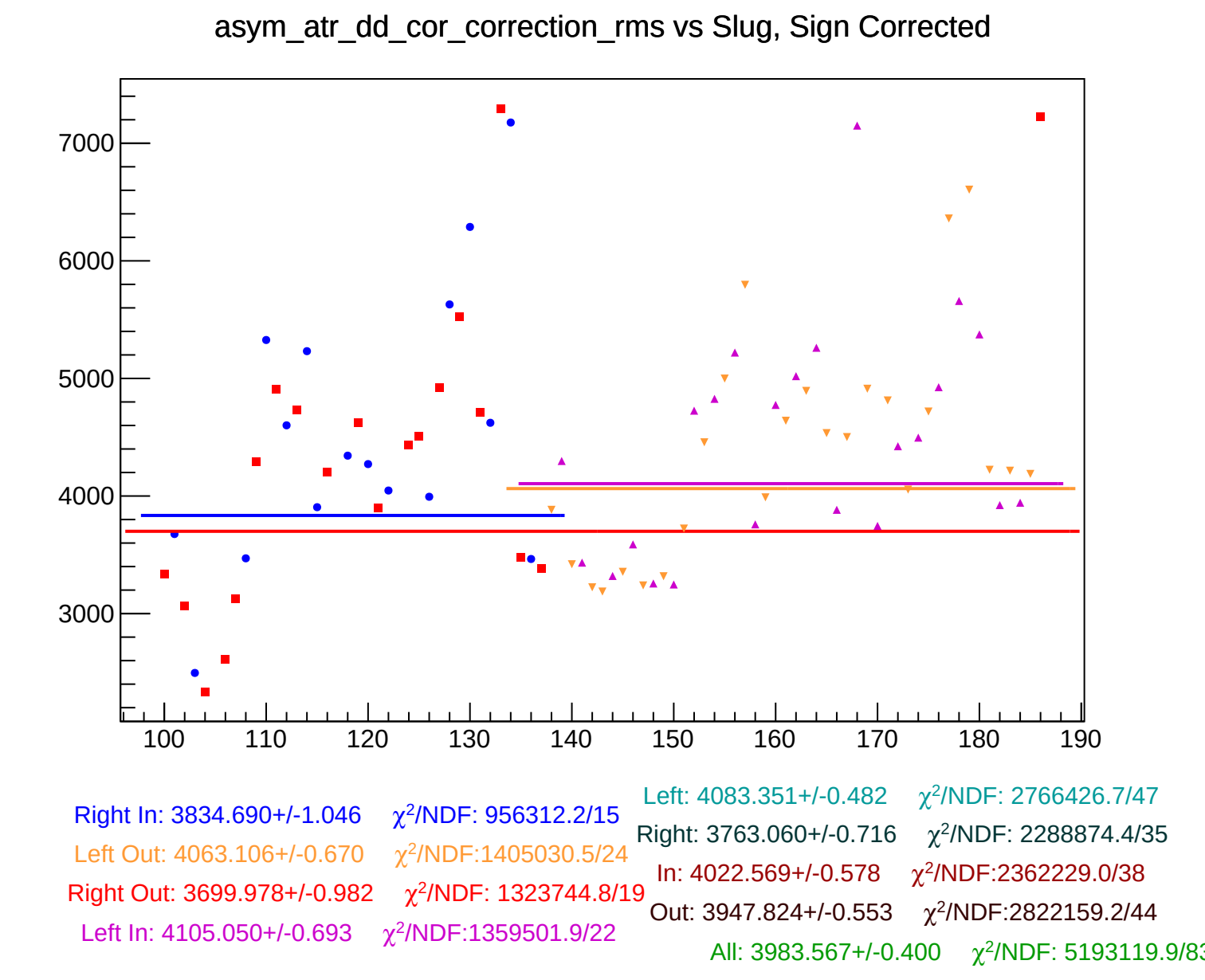
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

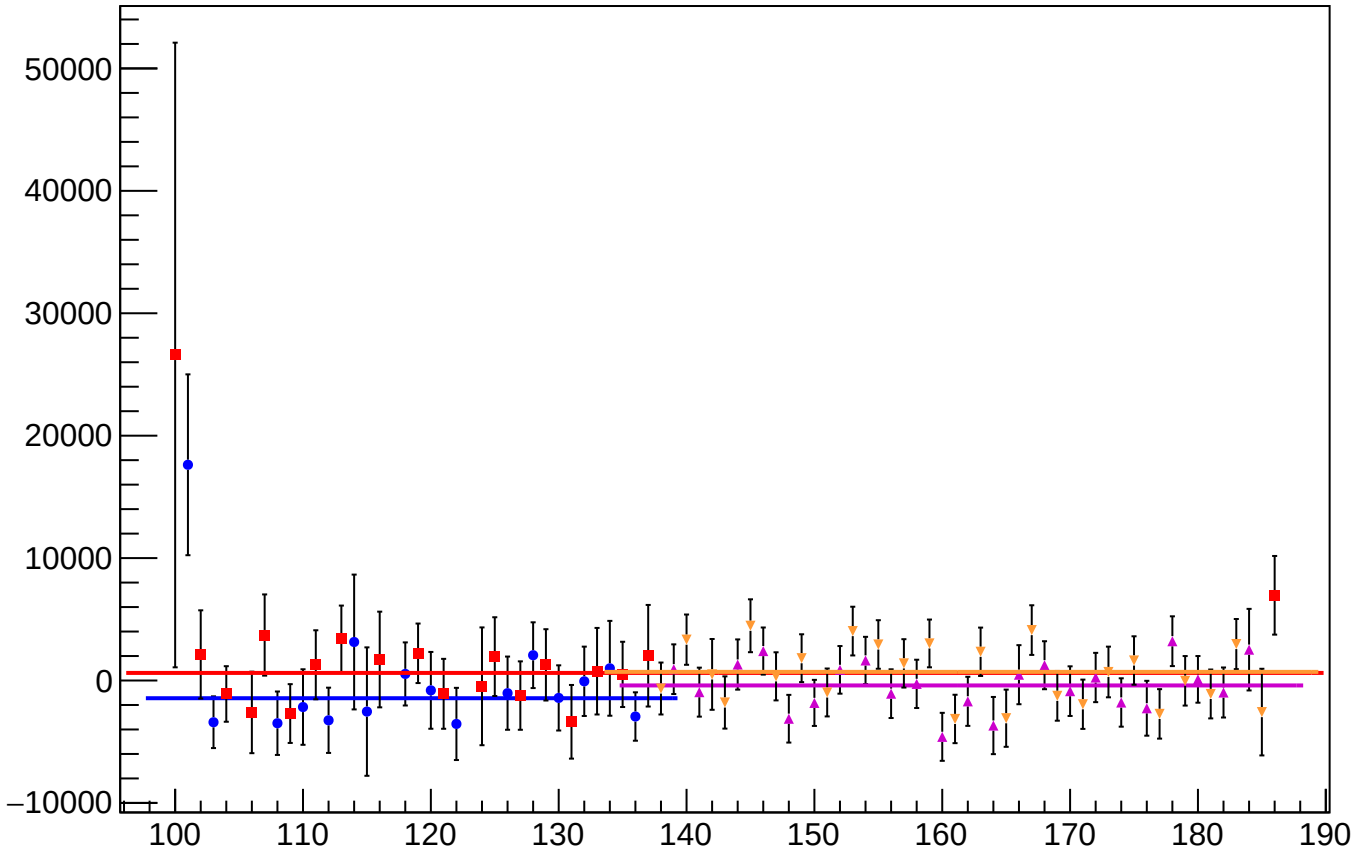
Right: 1241.809+/-1012.384 χ^2/NDF: 35.4/35

In: 391.771+/-817.149 χ^2/NDF:29.2/38

Out: -4.607+/-782.258 χ^2/NDF:49.4/44

All: 184.939+/-565.072 χ^2/NDF: 78.7/83


asym_atr_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 3834.690+/-1.046 χ²/NDF: 956312.2/15
Left Out: 4063.106+/-0.670 χ²/NDF:1405030.5/24
Right Out: 3699.978+/-0.982 χ²/NDF: 1323744.8/19
Left In: 4105.050+/-0.693 χ²/NDF:1359501.9/22
Left: 4083.351+/-0.482 χ²/NDF: 2766426.7/47
Right: 3763.060+/-0.716 χ²/NDF: 2288874.4/35
In: 4022.569+/-0.578 χ²/NDF:2362229.0/38
Out: 3947.824+/-0.553 χ²/NDF:2822159.2/44
All: 3983.567+/-0.400 χ²/NDF: 5193119.9/83



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

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

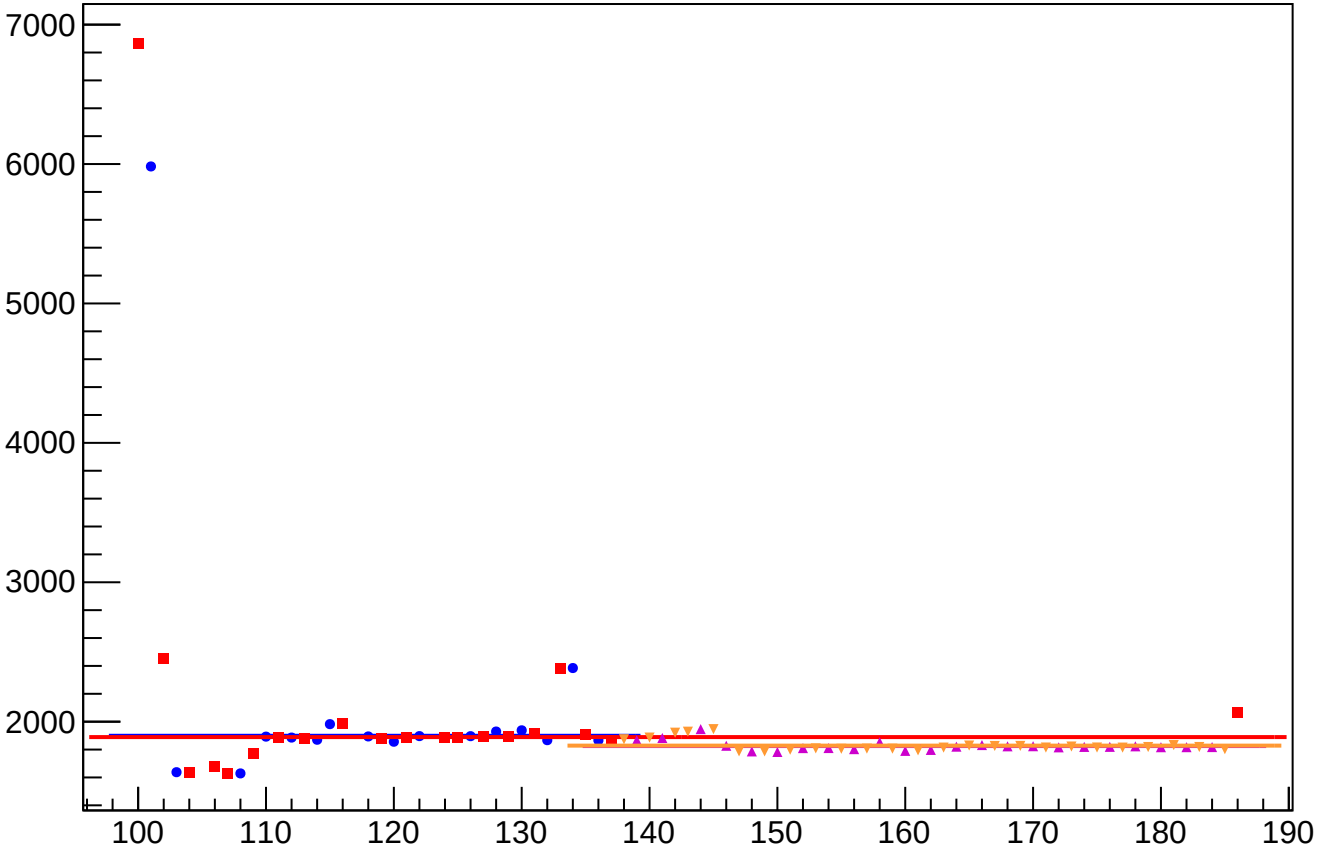
Right: -361.200+/-498.186 χ^2/NDF: 31.7/35

In: -672.135+/-367.183 χ^2/NDF:35.8/38

Out: 682.738+/-355.502 χ^2/NDF:45.9/44

All: 27.195+/-255.408 χ^2/NDF: 88.7/83

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

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

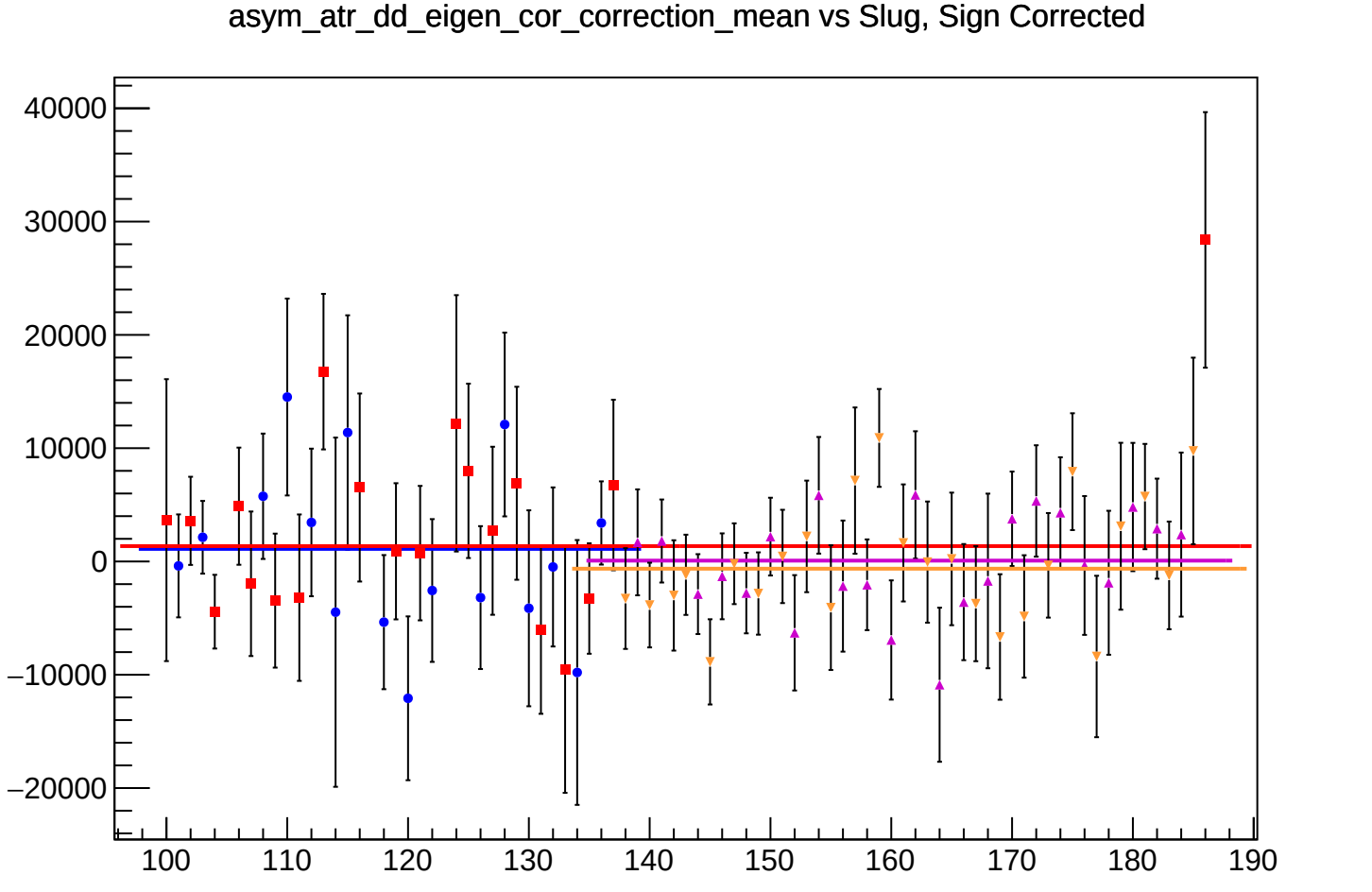
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

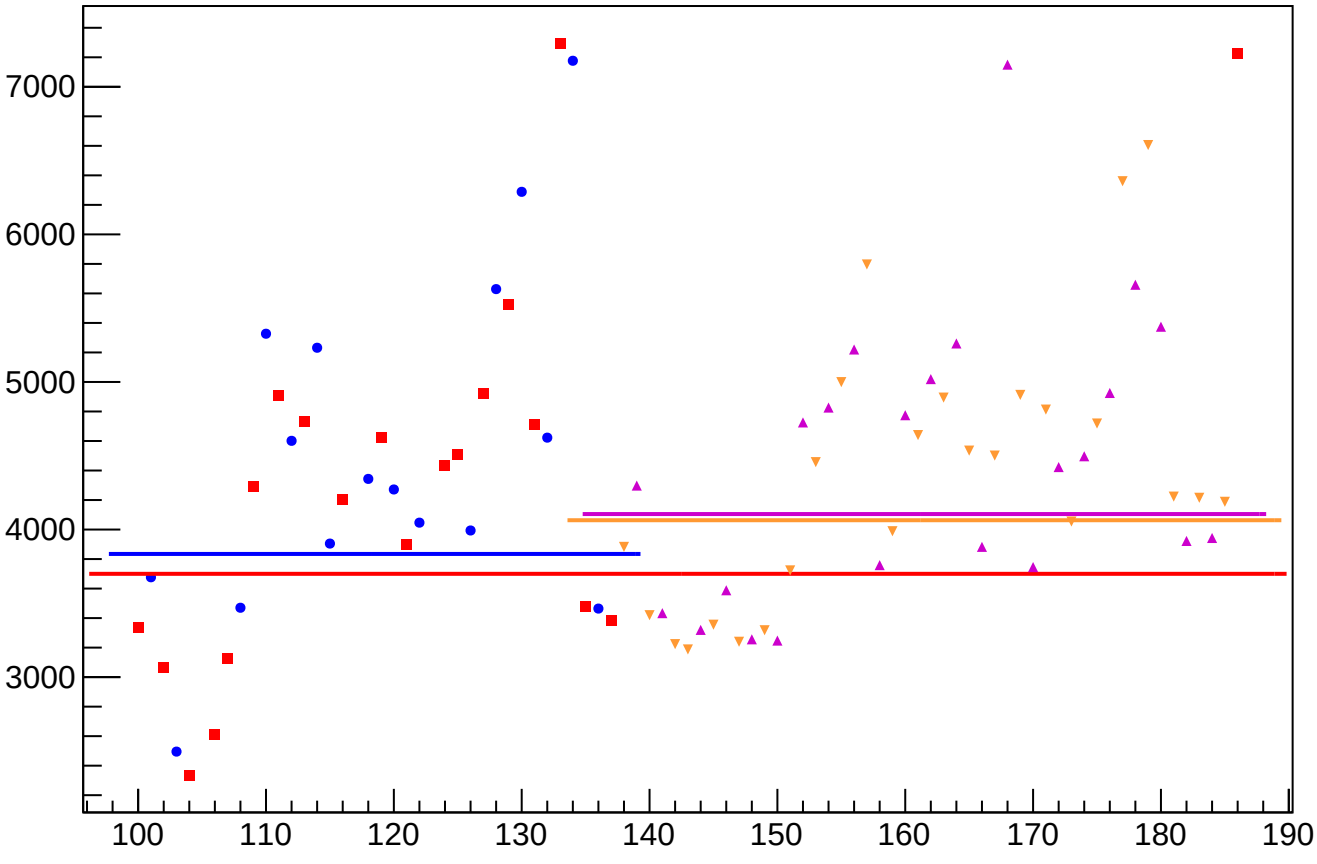
Right: 1893.911+/-0.352 χ^2/NDF: 920636.1/35

In: 1844.156+/-0.260 χ^2/NDF:726276.3/38

Out: 1844.662+/-0.251 χ^2/NDF:253930.7/44

All: 1844.418+/-0.181 χ^2/NDF: 980209.1/83


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: 1111.533+/-1479.438 χ²/NDF: 13.4/15
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: 1241.809+/-1012.384 χ²/NDF: 35.4/35
In: 391.771+/-817.149 χ²/NDF:29.2/38
Out: -4.607+/-782.258 χ²/NDF:49.4/44
All: 184.939+/-565.072 χ²/NDF: 78.7/83



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

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

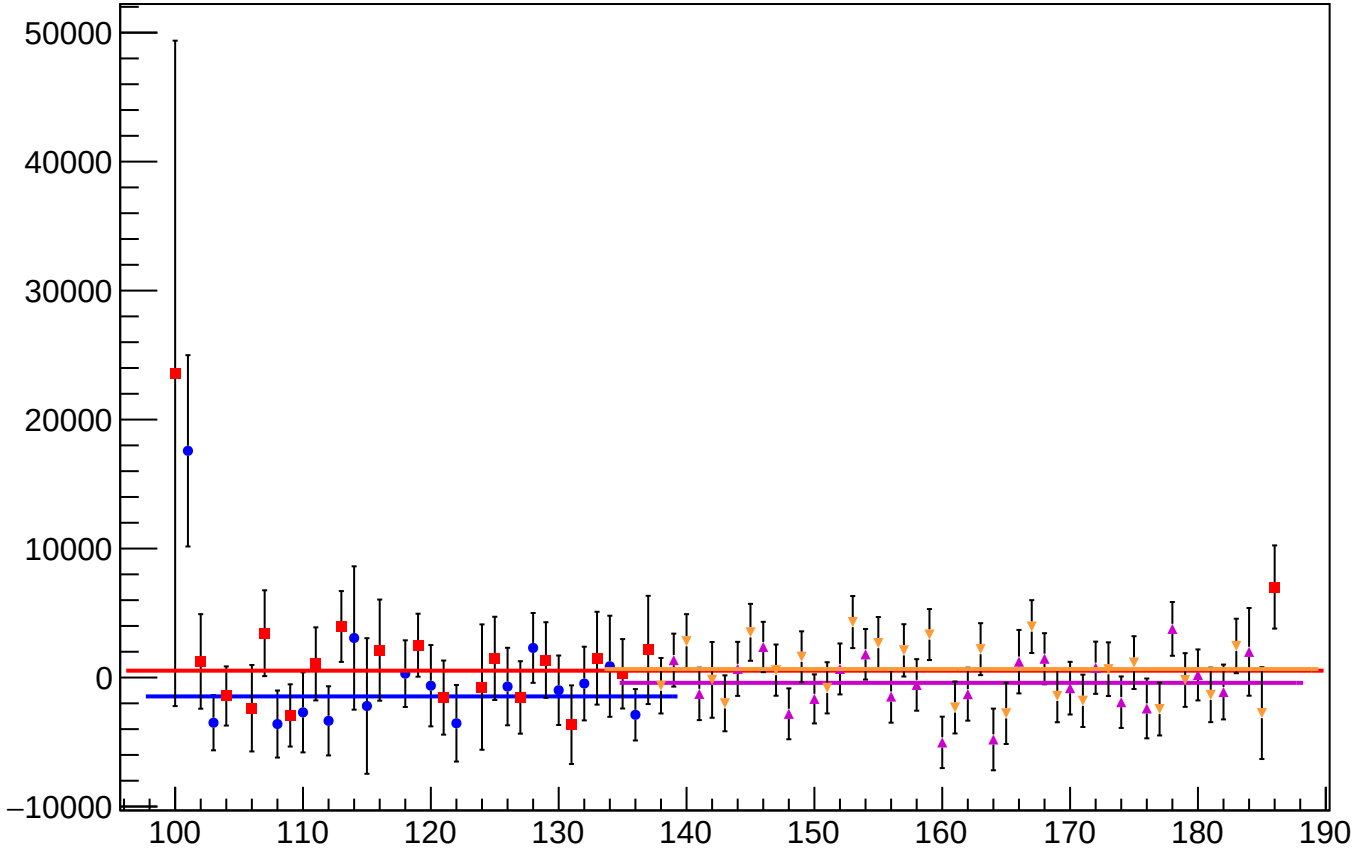
Right: 3763.060+/-0.716 χ^2/NDF: 2288874.4/35

In: 4022.569+/-0.578 χ^2/NDF:2362229.0/38

Out: 3947.824+/-0.553 χ^2/NDF:2822159.2/44

All: 3983.567+/-0.400 χ^2/NDF: 5193119.9/83

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

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

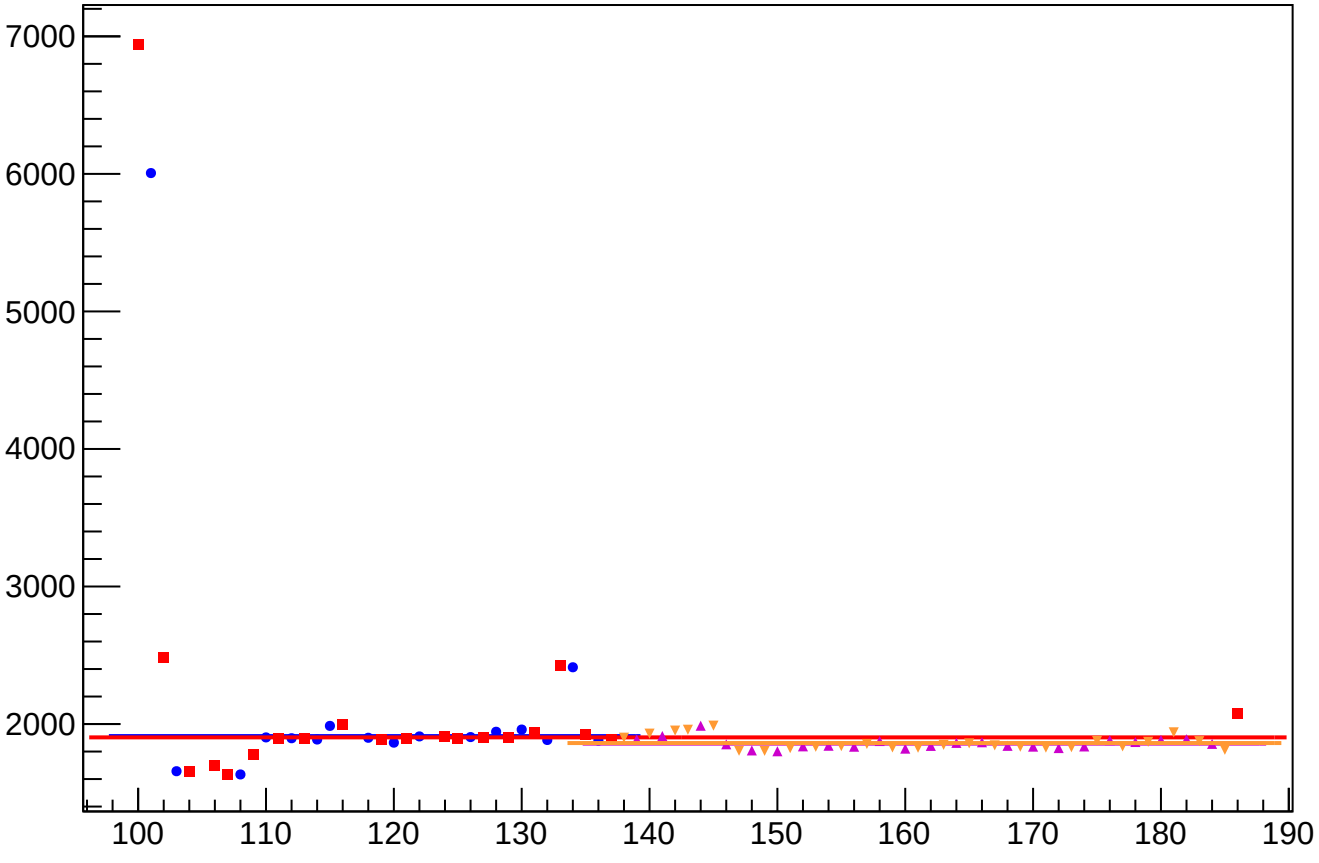
Right: -414.271+/-501.775 χ^2/NDF: 32.5/35

In: -686.366+/-372.728 χ^2/NDF:38.7/38

Out: 623.774+/-360.997 χ^2/NDF:42.1/44

All: -10.354+/-259.312 χ^2/NDF: 87.2/83

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

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

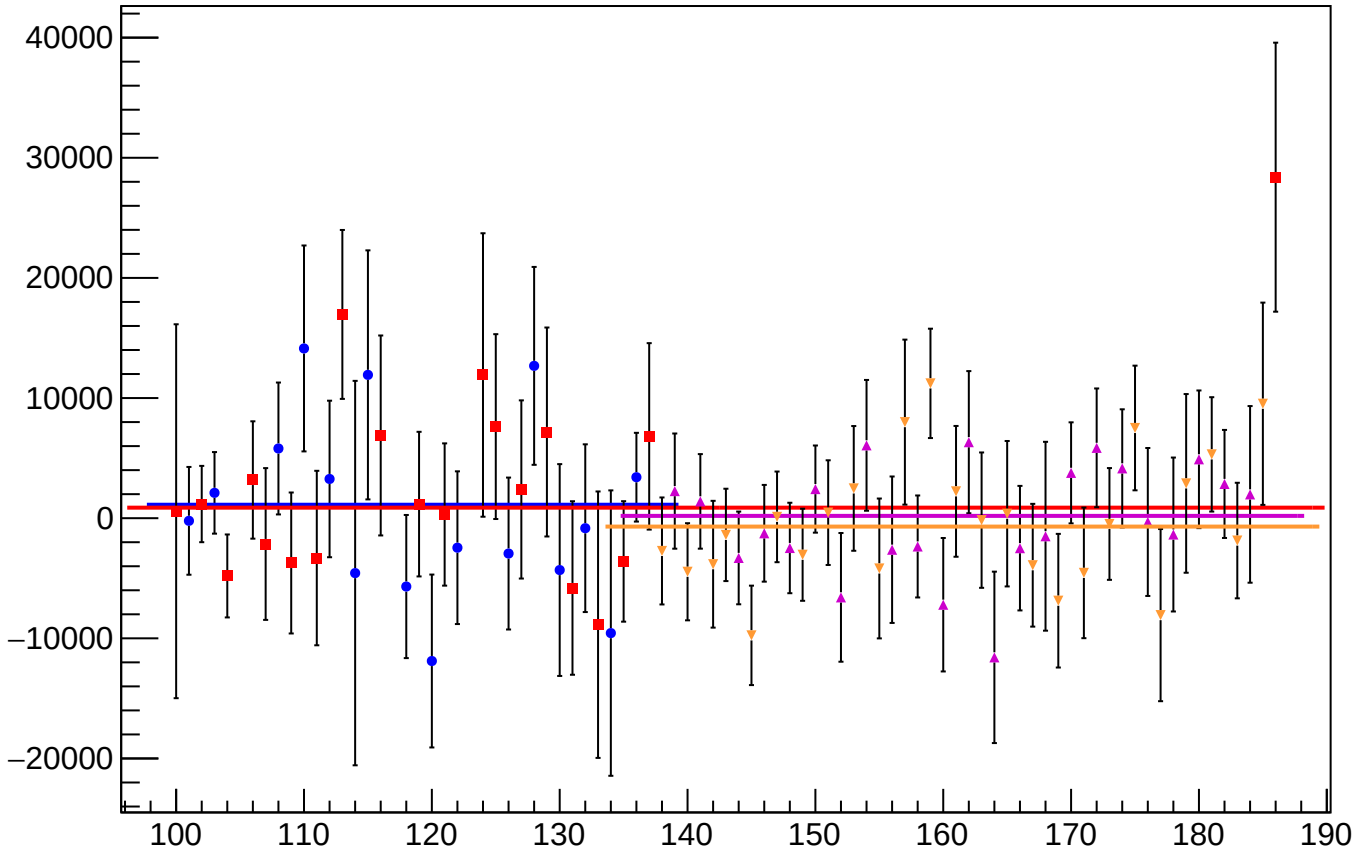
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1907.465+/-0.355 χ^2/NDF: 922102.6/35

In: 1871.993+/-0.264 χ^2/NDF:720934.0/38

Out: 1872.977+/-0.255 χ^2/NDF:256914.4/44

All: 1872.501+/-0.183 χ^2/NDF: 977855.6/83



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

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

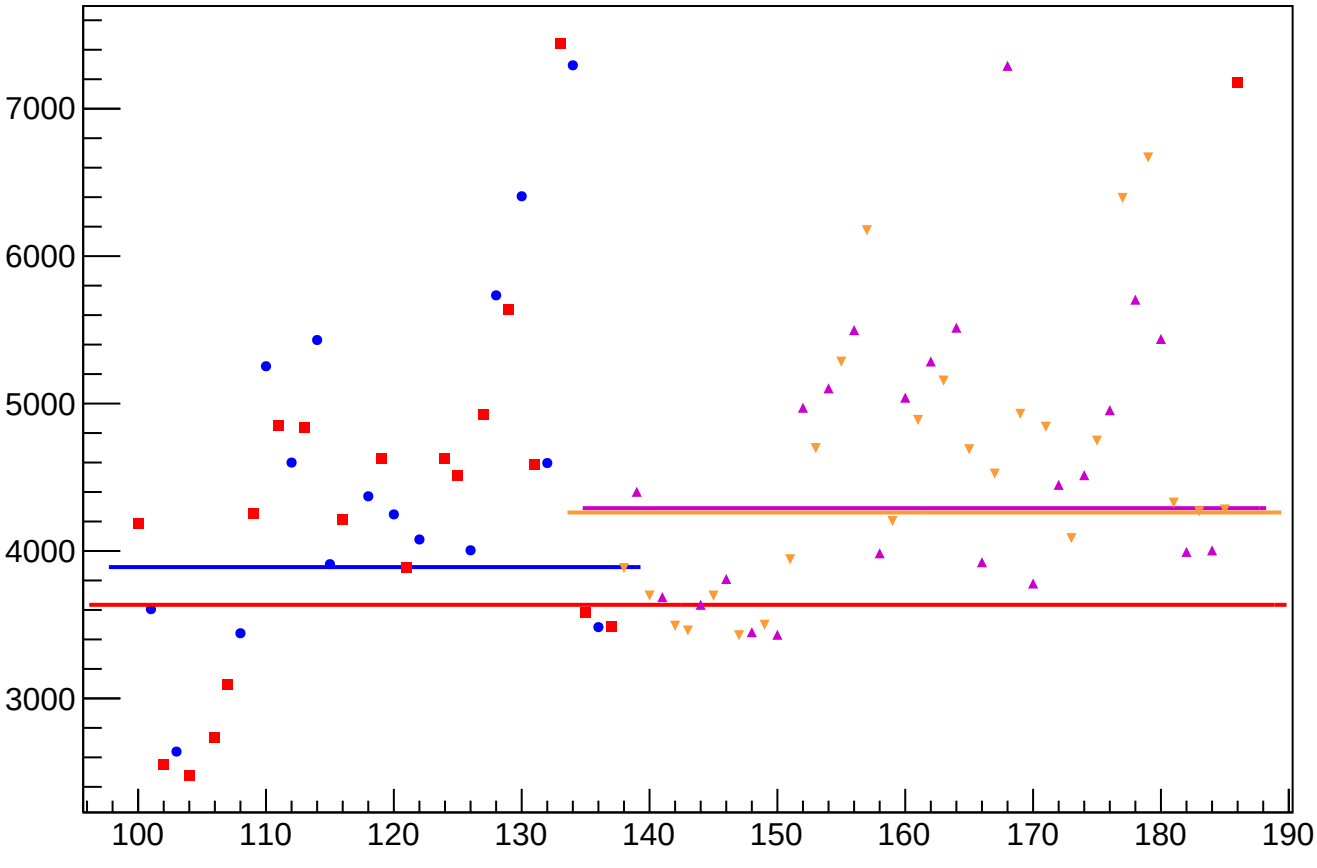
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 986.807+/-1007.093 χ^2/NDF: 34.6/35

In: 487.409+/-844.443 χ^2/NDF:28.9/38

Out: -153.082+/-800.546 χ^2/NDF:47.3/44

All: 150.084+/-580.971 χ^2/NDF: 76.5/83



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

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

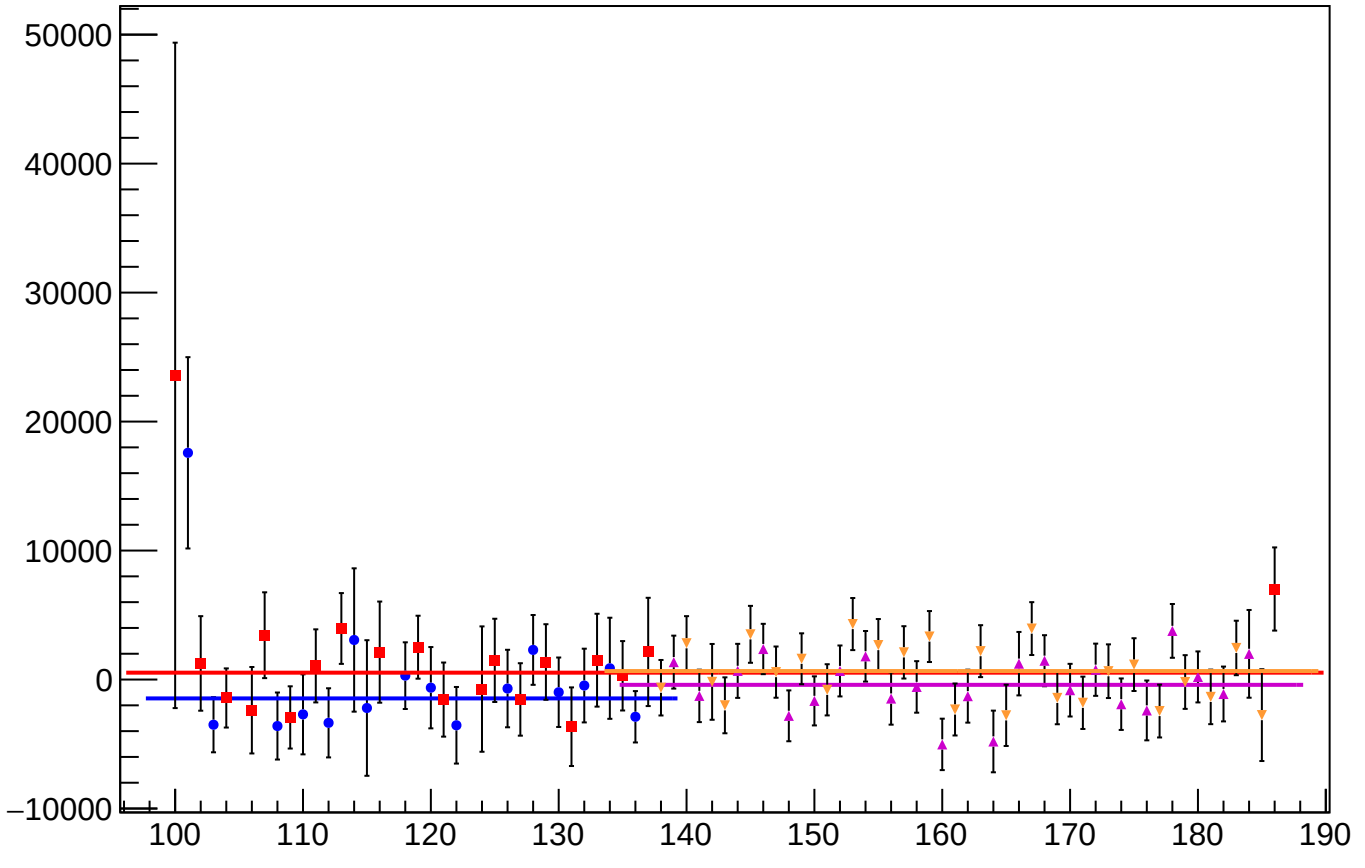
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 3750.544+/-0.712 χ^2/NDF: 2335233.4/35

In: 4163.331+/-0.597 χ^2/NDF:2189542.0/38

Out: 4044.335+/-0.566 χ^2/NDF:2892431.7/44

All: 4100.660+/-0.411 χ^2/NDF: 5102890.4/83



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

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

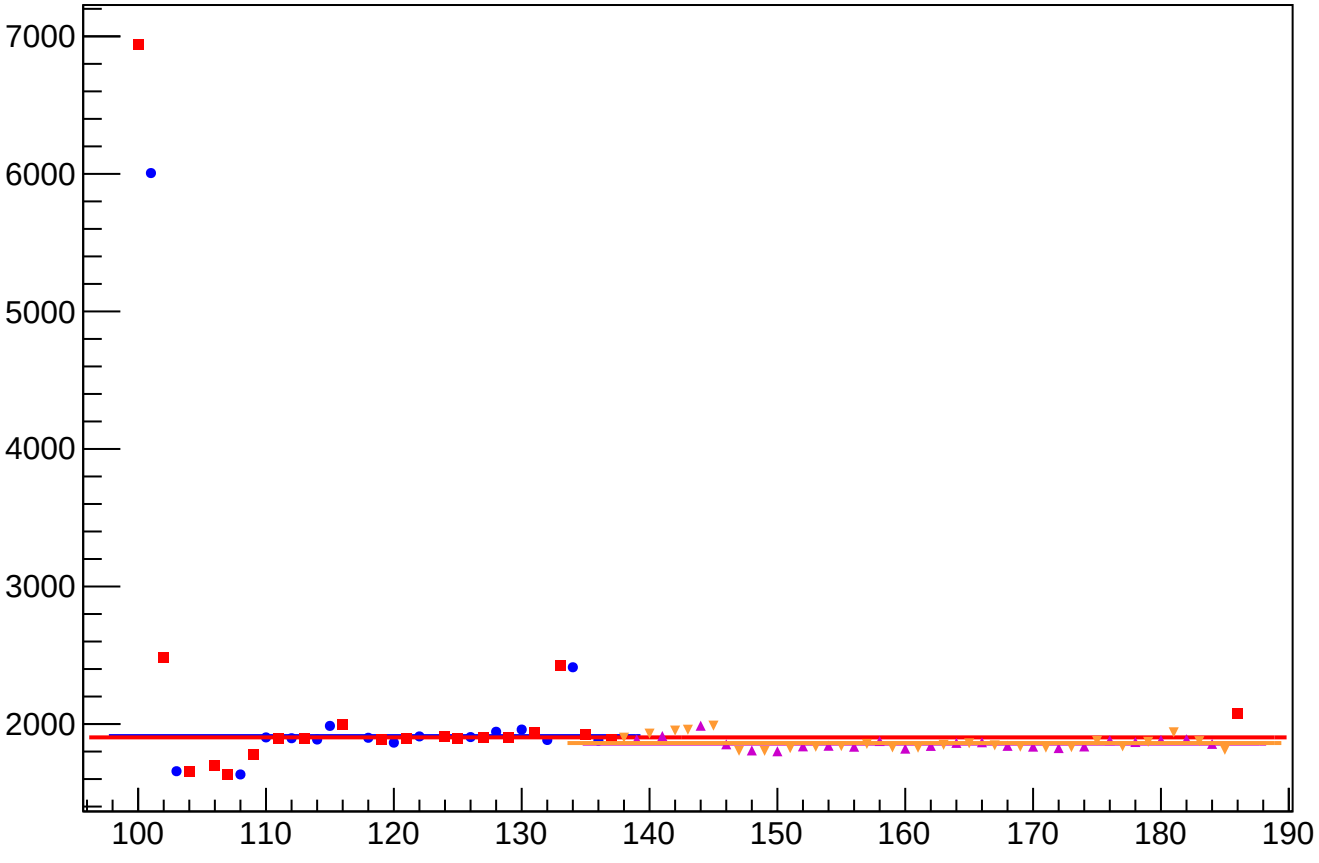
Right: -414.280+/-501.775 χ^2/NDF: 32.5/35

In: -686.367+/-372.729 χ^2/NDF:38.7/38

Out: 623.775+/-360.997 χ^2/NDF:42.1/44

All: -10.354+/-259.312 χ^2/NDF: 87.2/83

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

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

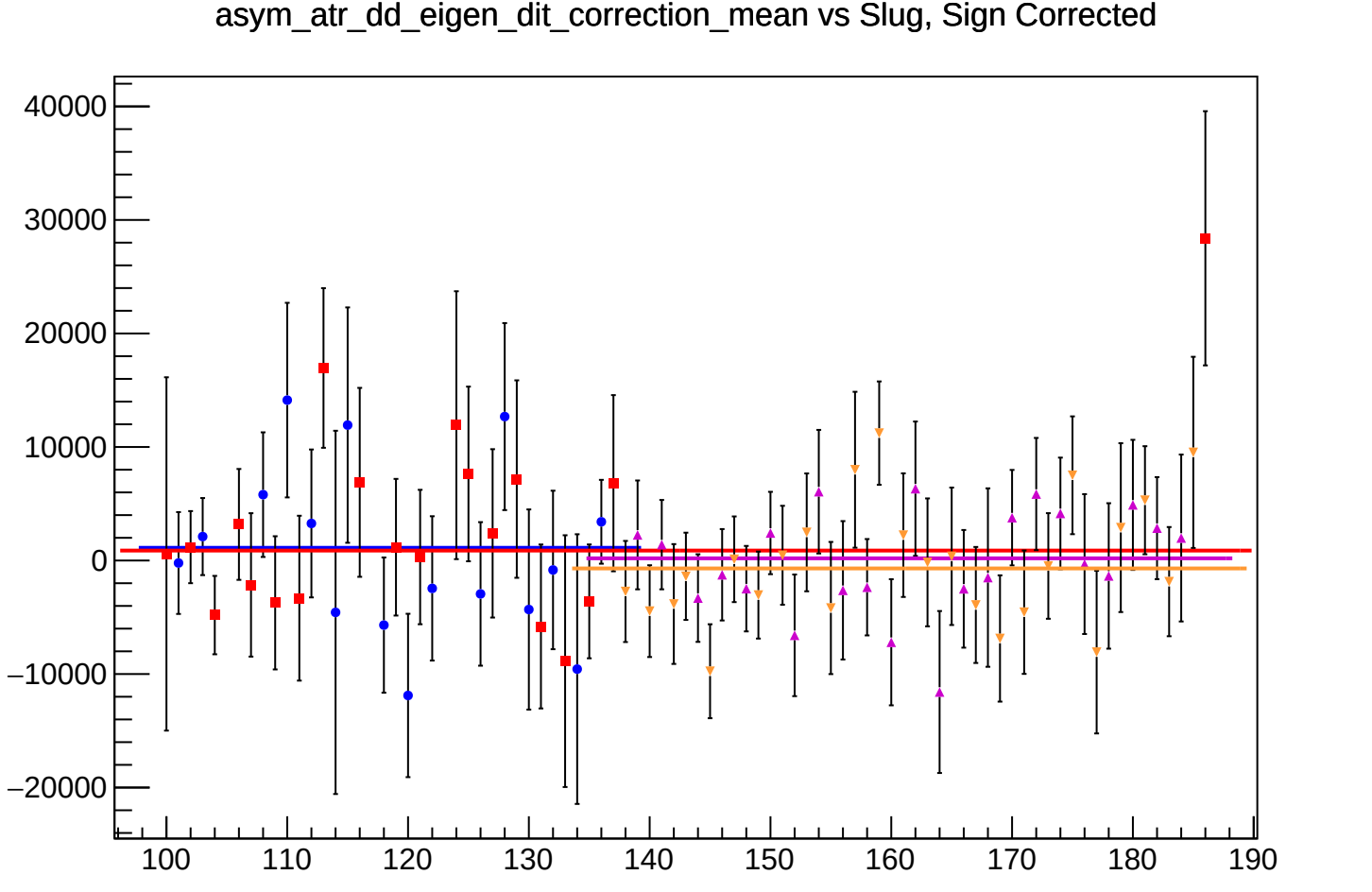
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

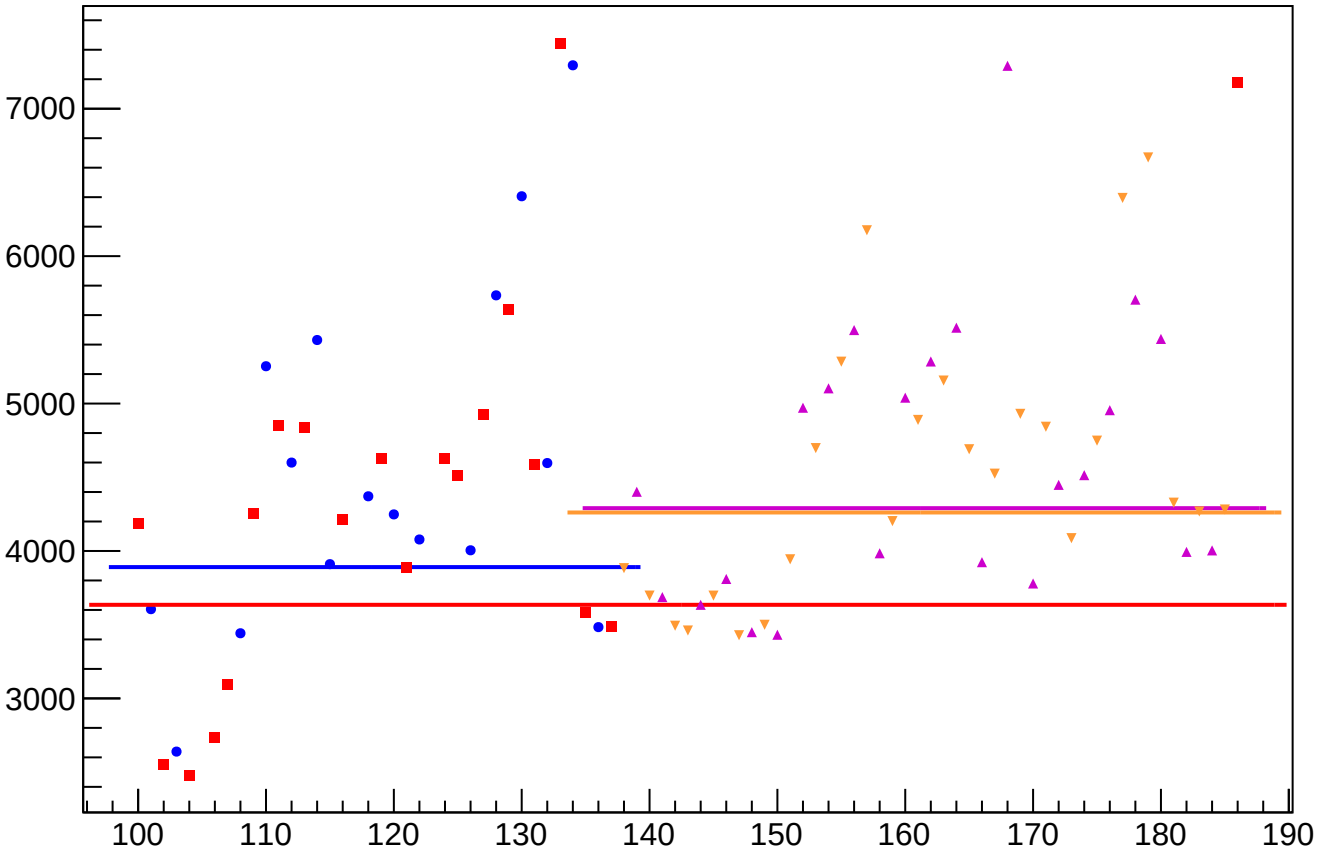
Right: 1907.464+/-0.355 χ^2/NDF: 922102.5/35

In: 1871.994+/-0.264 χ^2/NDF:720933.6/38

Out: 1872.977+/-0.255 χ^2/NDF:256914.3/44

All: 1872.501+/-0.183 χ^2/NDF: 977855.1/83


asym_atr_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: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 876.726+/-1360.656 χ²/NDF: 21.1/19
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 986.801+/-1007.092 χ²/NDF: 34.6/35
In: 487.408+/-844.444 χ²/NDF:28.9/38
Out: -153.079+/-800.547 χ²/NDF:47.3/44
All: 150.085+/-580.971 χ²/NDF: 76.5/83



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

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

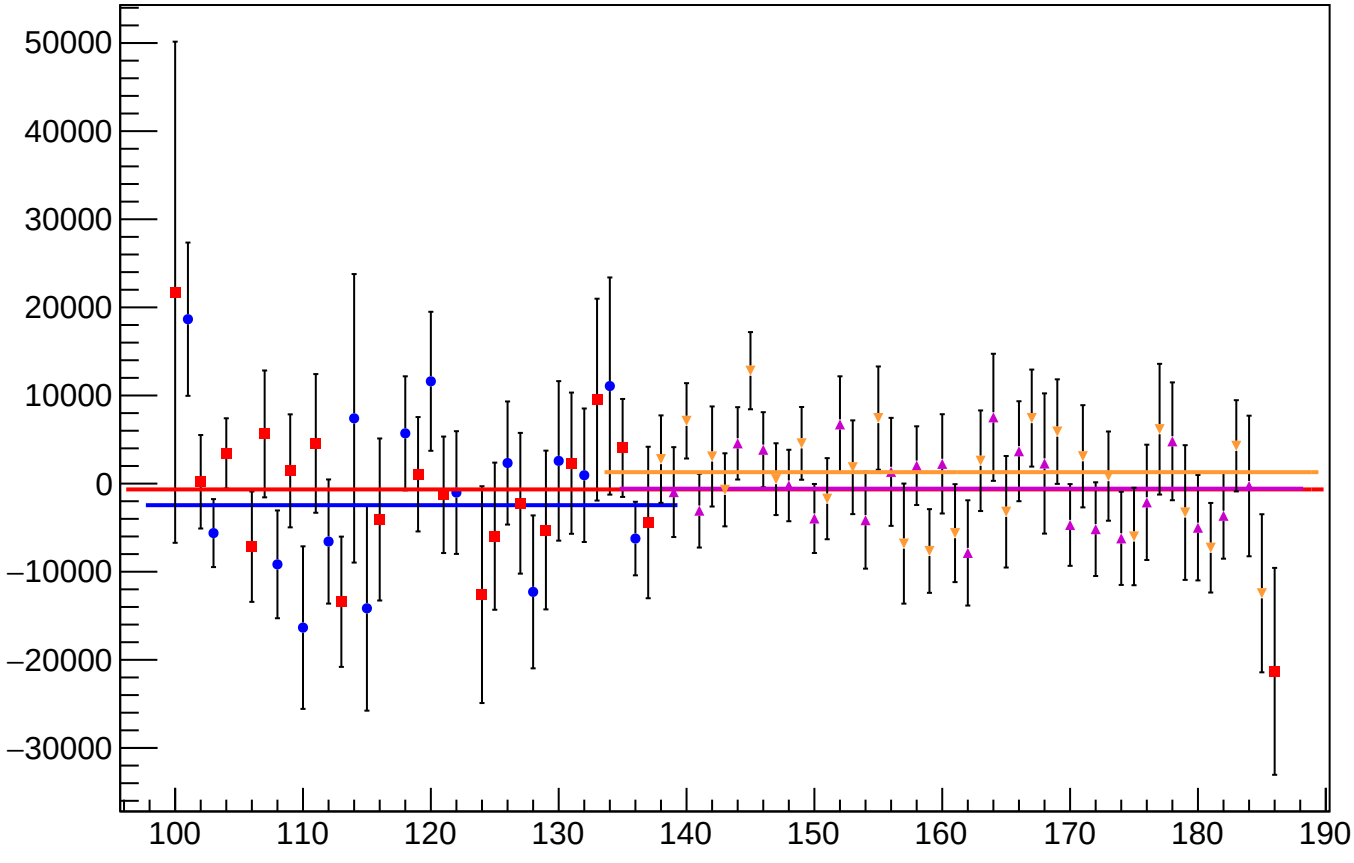
Right: 3750.542+/-0.712 χ^2/NDF: 2335215.2/35

In: 4163.335+/-0.597 χ^2/NDF:2189543.4/38

Out: 4044.337+/-0.566 χ^2/NDF:2892433.9/44

All: 4100.663+/-0.411 χ^2/NDF: 5102894.1/83

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

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

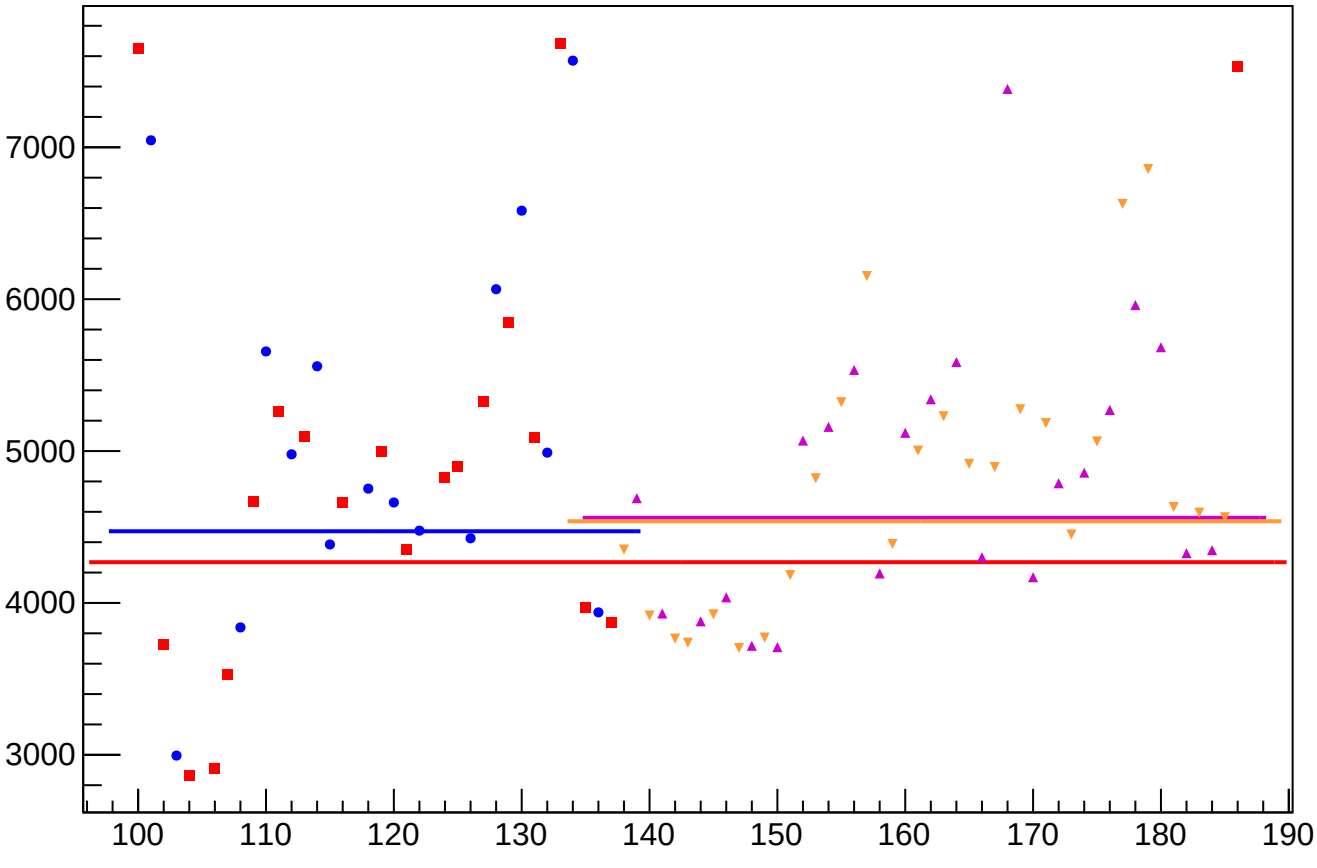
Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

Right: -1493.889+/-1174.257 χ^2/NDF: 35.3/35

In: -1107.381+/-915.886 χ^2/NDF:36.1/38

Out: 712.890+/-878.789 χ^2/NDF:43.4/44

All: -159.635+/-634.107 χ^2/NDF: 81.6/83



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

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

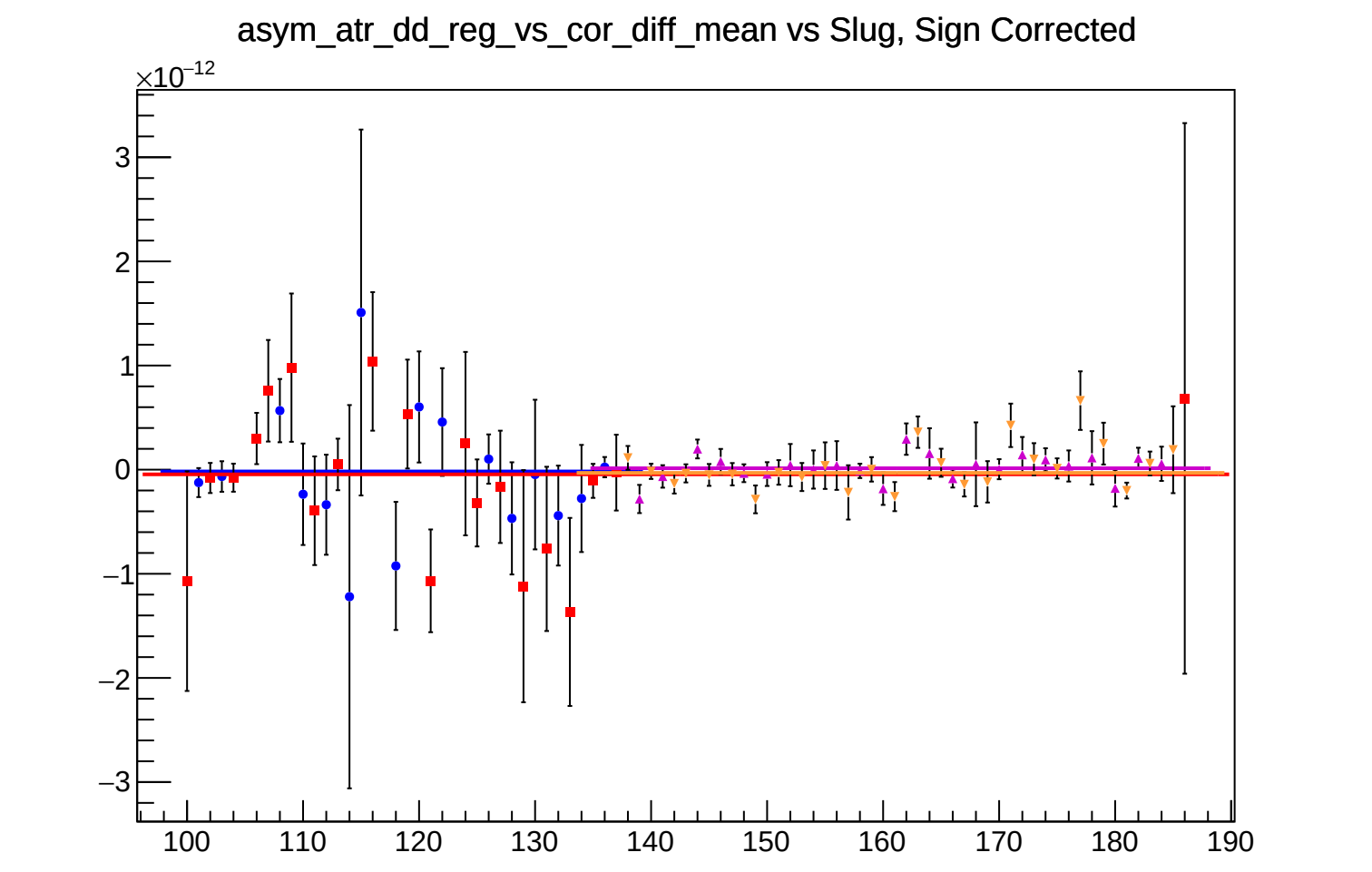
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4362.352+/-0.827 χ^2/NDF: 1910493.7/35

In: 4535.374+/-0.648 χ^2/NDF:1875682.8/38

Out: 4456.383+/-0.620 χ^2/NDF:2036568.2/44

All: 4494.151+/-0.448 χ^2/NDF: 3920014.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/19

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

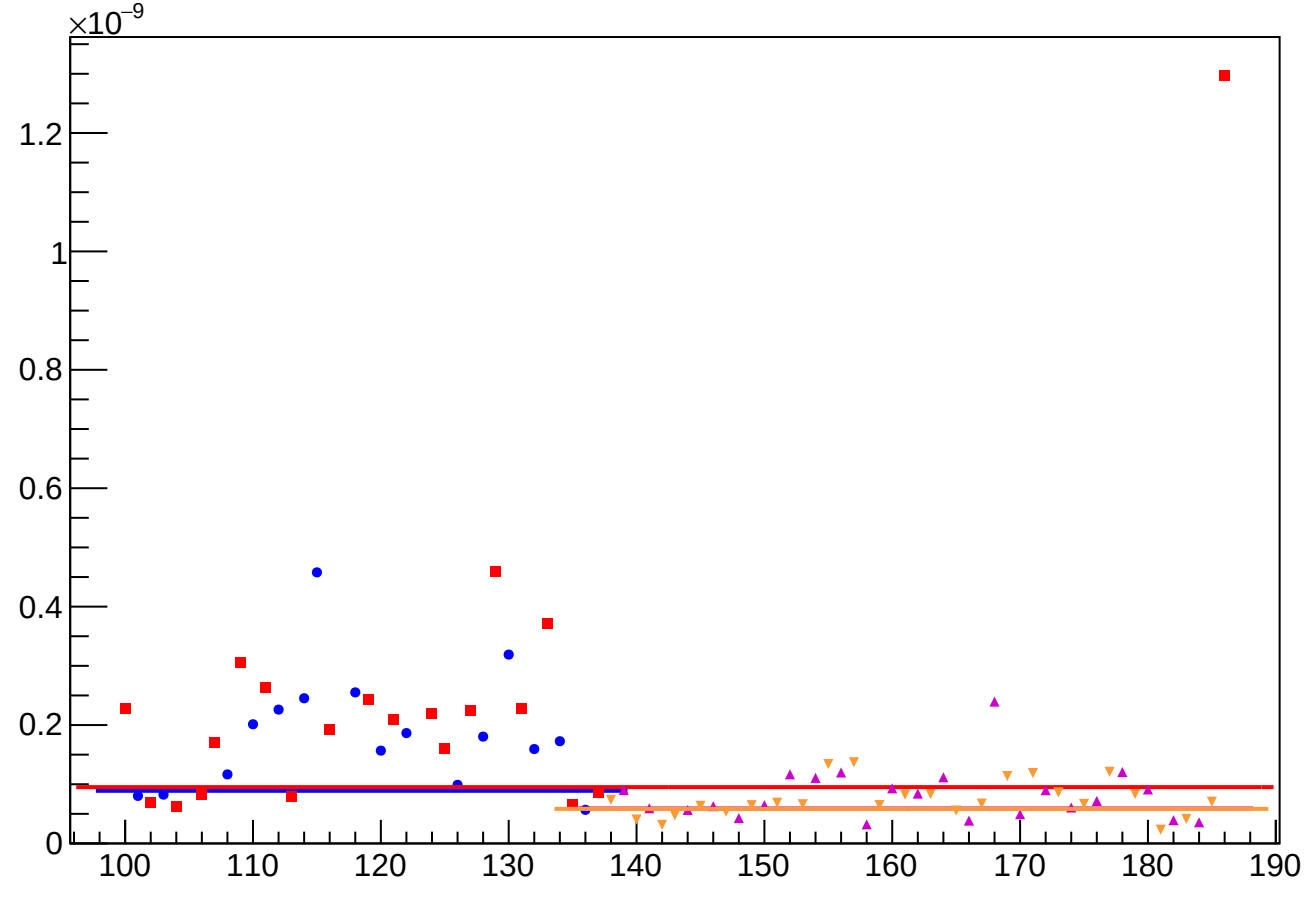
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 34.1/35

In: 0.000+/-0.000 χ^2/NDF:33.6/38

Out: -0.000+/-0.000 χ^2/NDF:59.2/44

All: -0.000+/-0.000 χ^2/NDF: 94.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

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

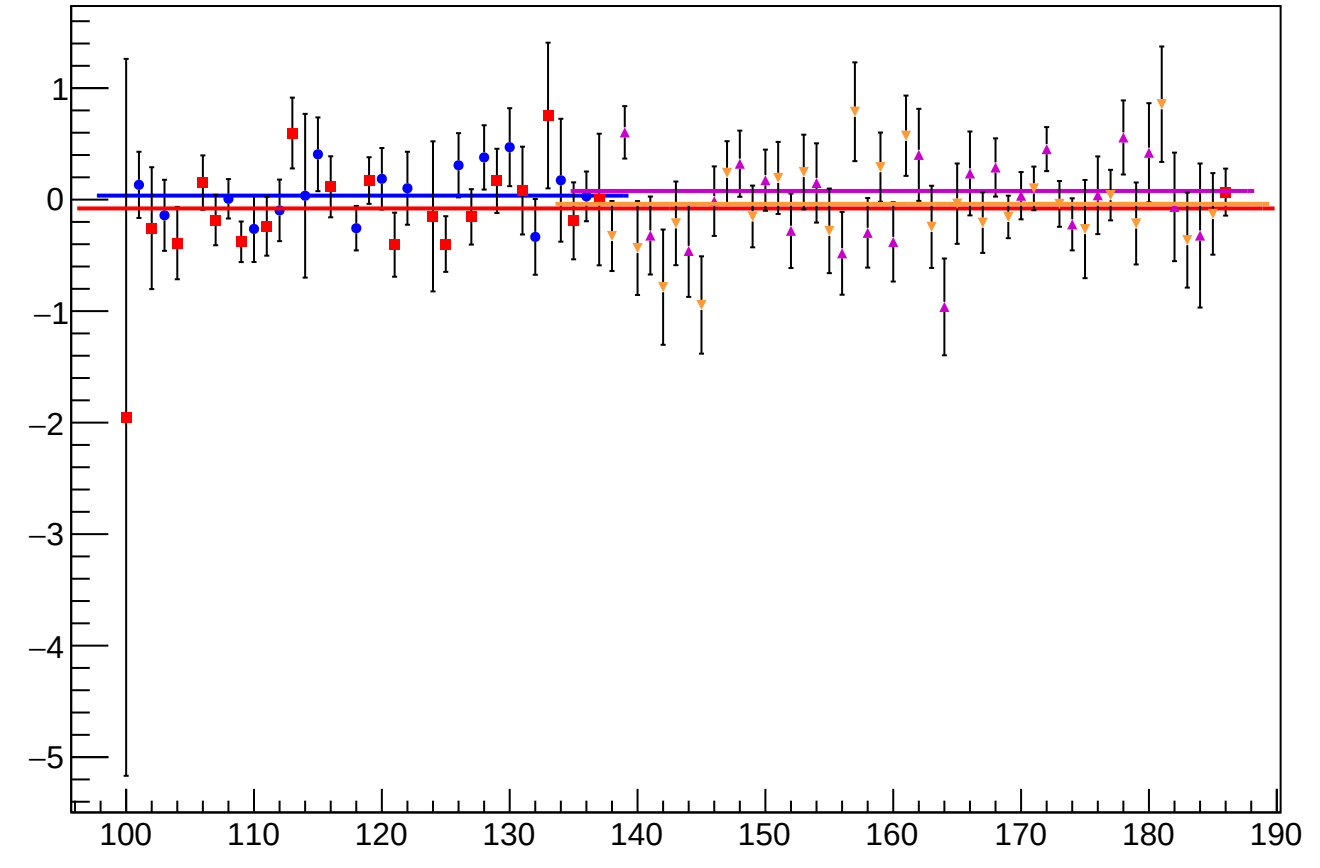
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3347706.5/35

In: 0.000+/-0.000 χ^2/NDF:3736779.5/38

Out: 0.000+/-0.000 χ^2/NDF:4559559.5/44

All: 0.000+/-0.000 χ^2/NDF: 8297990.5/83



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

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

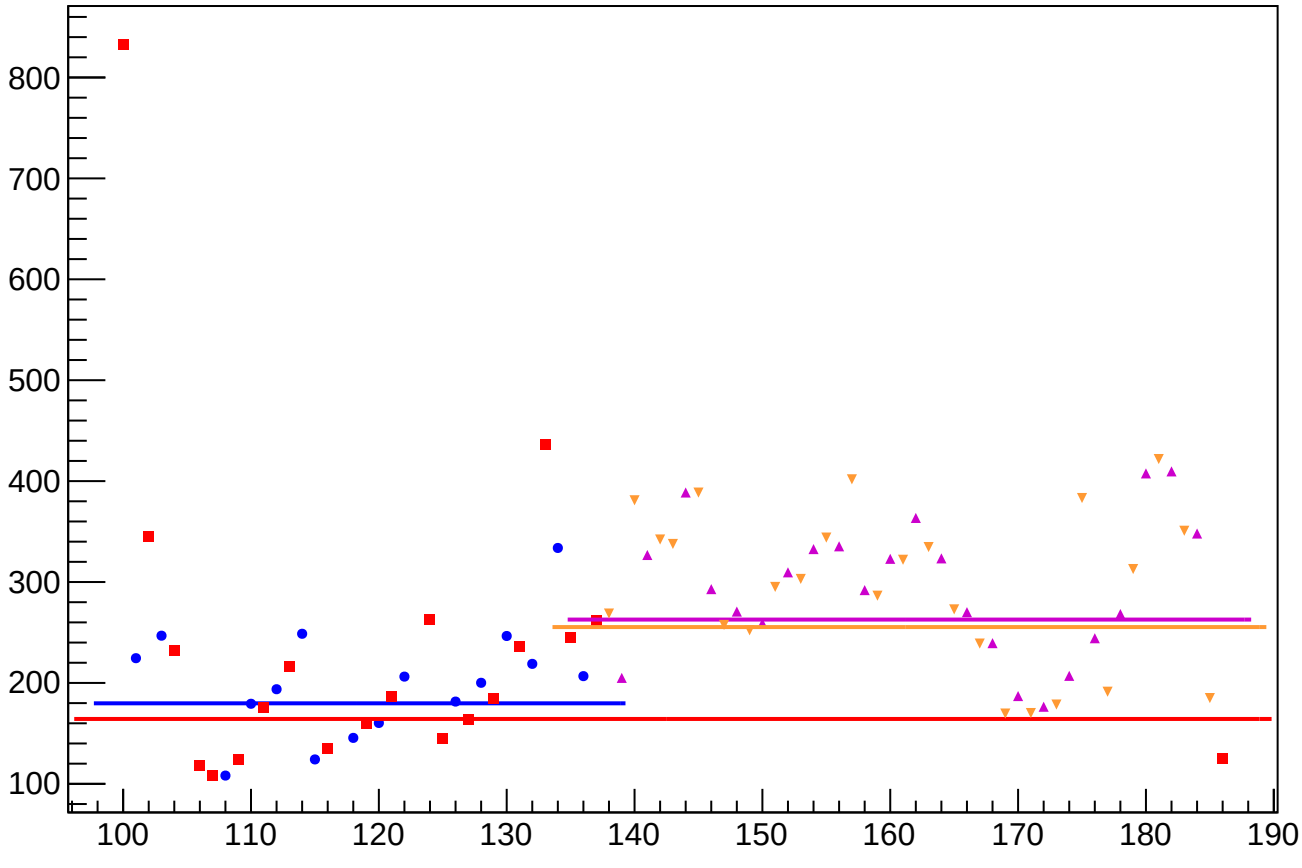
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.027+/-0.048 χ^2/NDF: 30.1/35

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.004+/-0.033 χ^2/NDF: 87.8/83



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

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

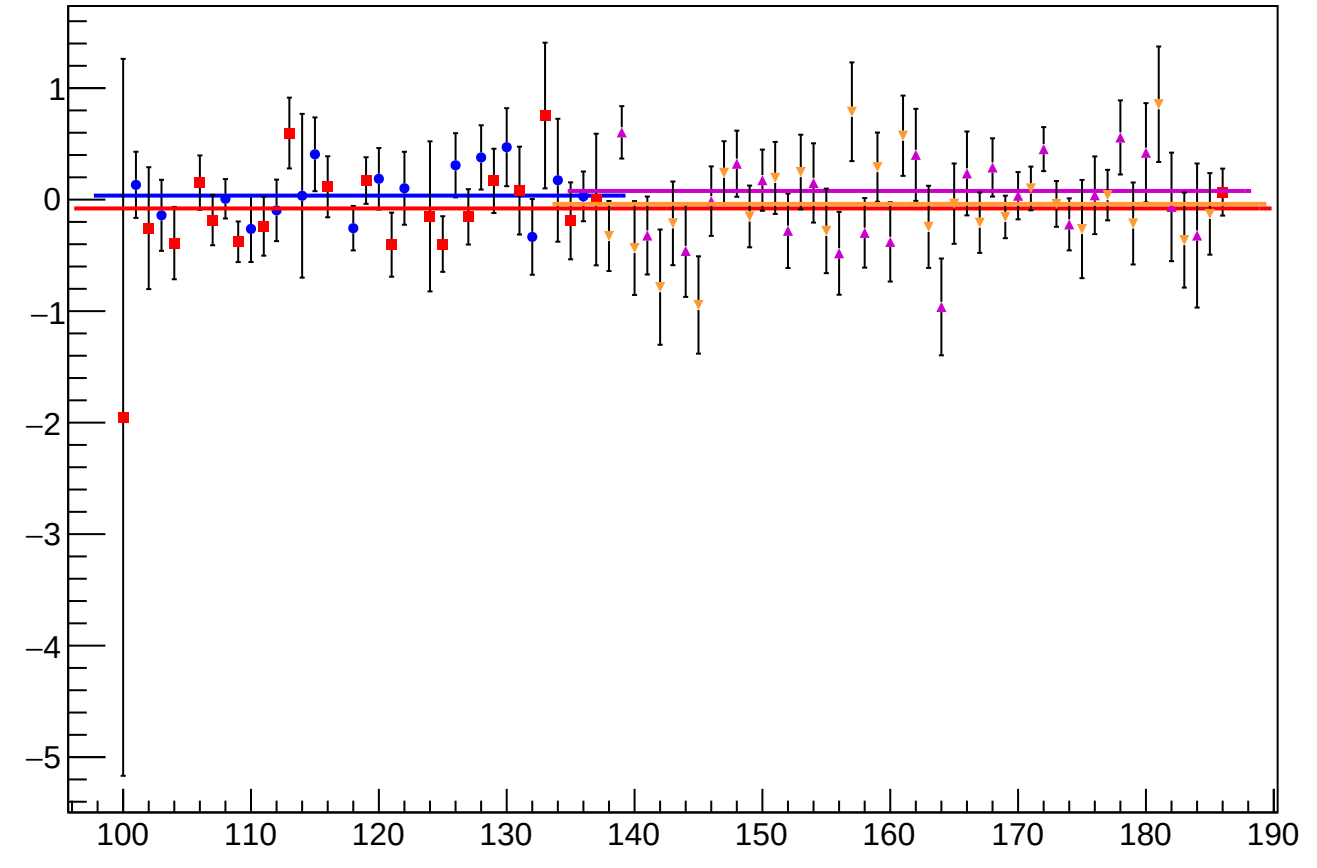
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 171.340+/-0.034 χ^2/NDF: 2456542.4/35

In: 224.774+/-0.034 χ^2/NDF:4442594.7/38

Out: 211.610+/-0.032 χ^2/NDF:6498353.9/44

All: 217.746+/-0.023 χ^2/NDF: 11022043.3/83



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

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

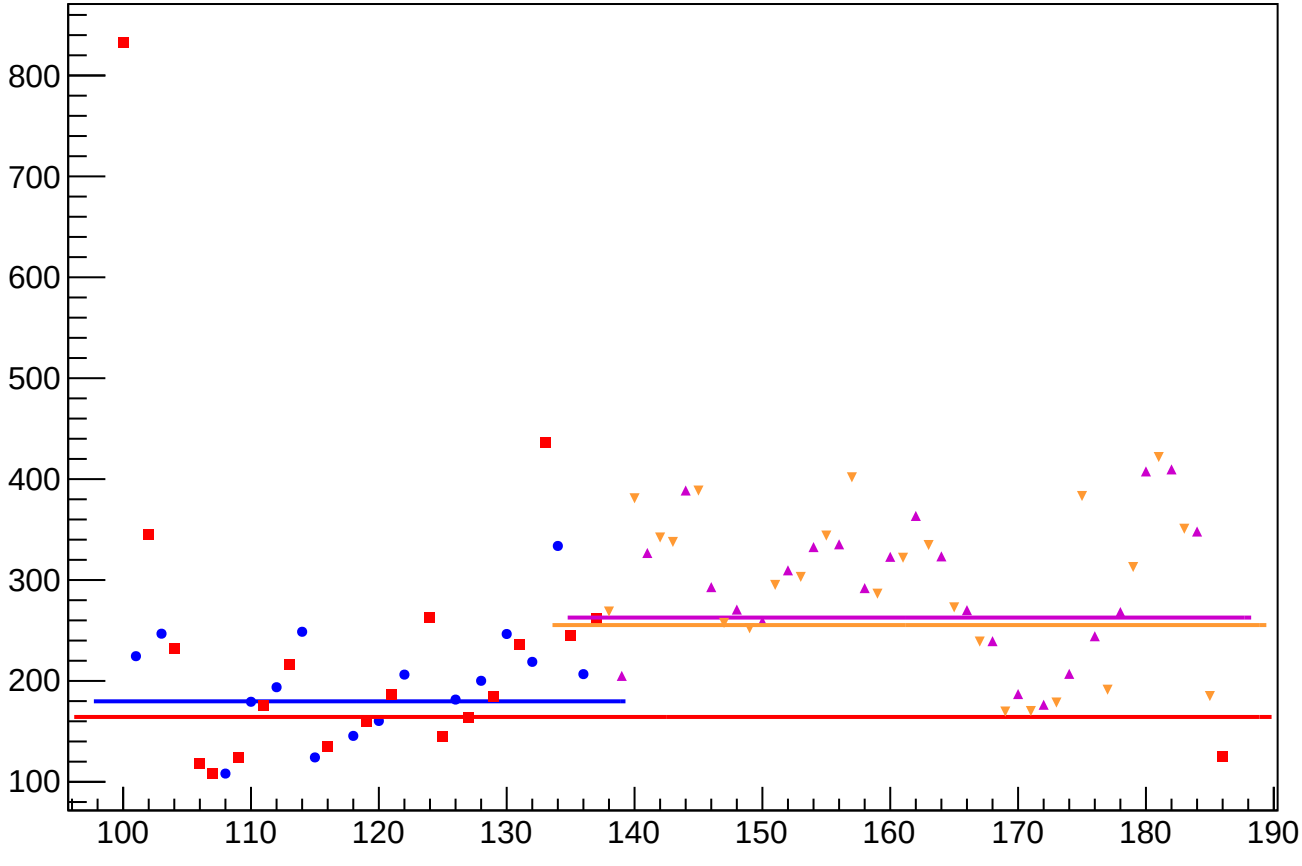
Right: -0.027+/-0.048 χ^2/NDF: 30.1/35

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.004+/-0.033 χ^2/NDF: 87.8/83

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 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

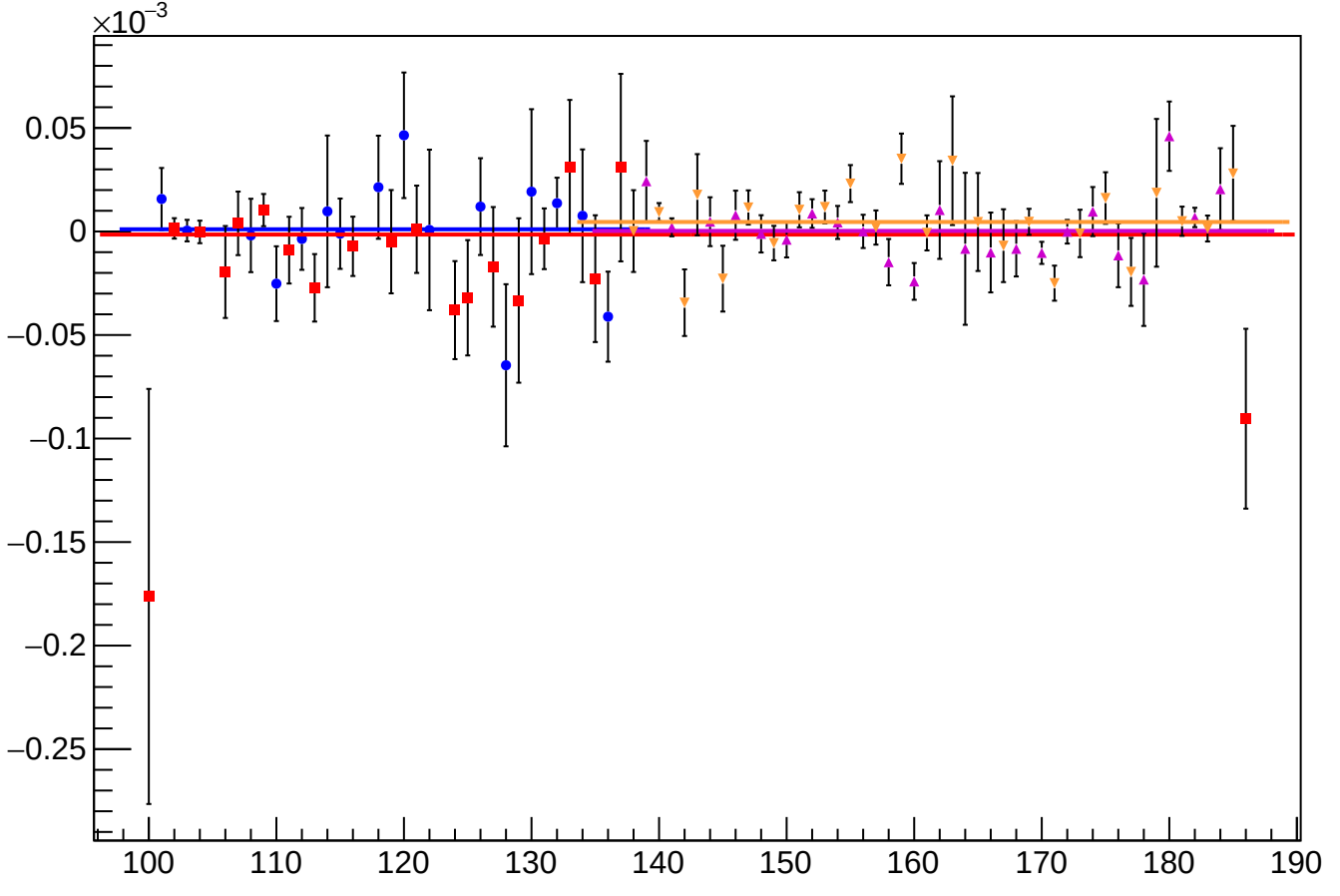
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 171.340+/-0.034 χ^2/NDF: 2456542.4/35

In: 224.774+/-0.034 χ^2/NDF:4442594.7/38

Out: 211.610+/-0.032 χ^2/NDF:6498353.9/44

All: 217.746+/-0.023 χ^2/NDF: 11022043.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

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

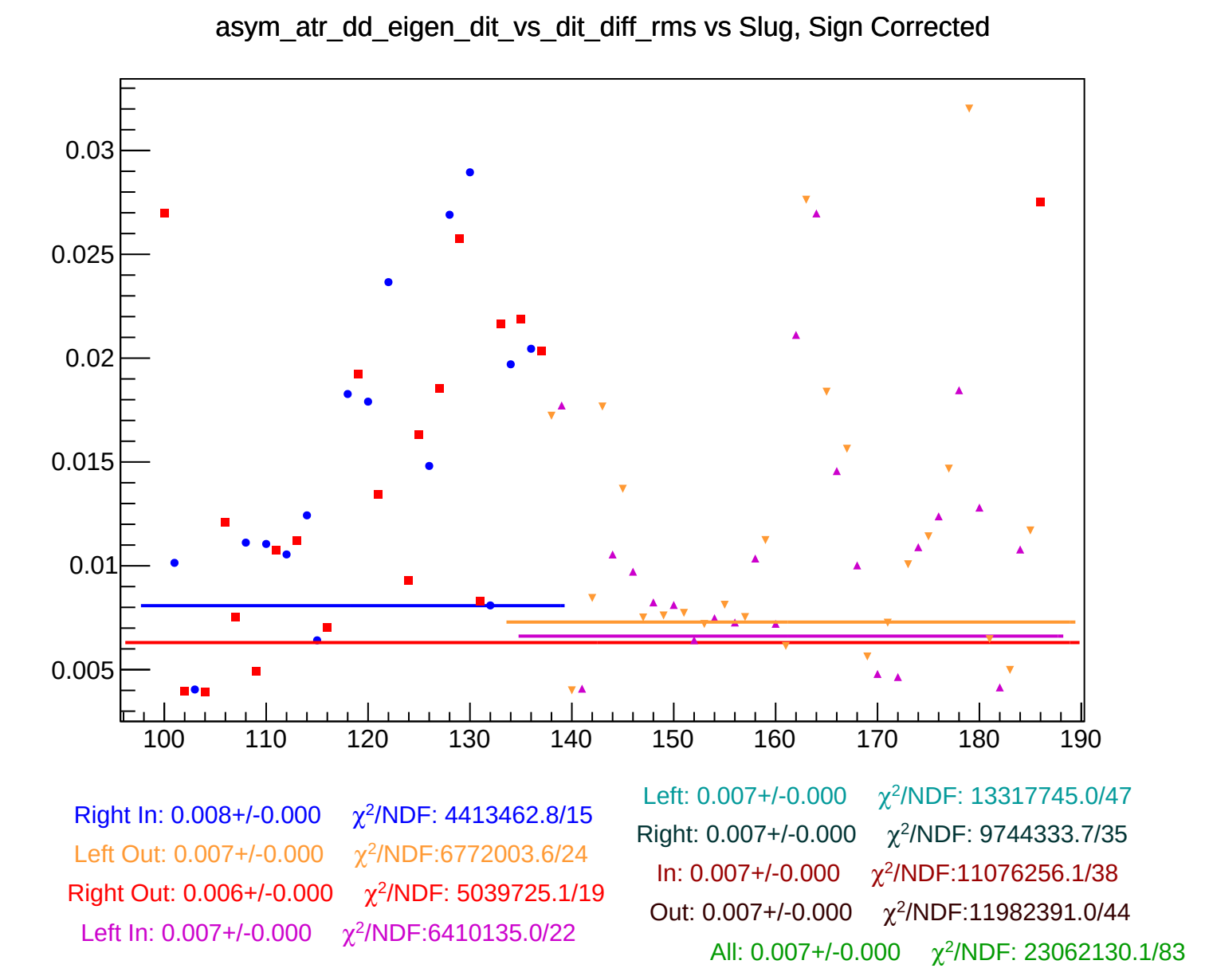
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

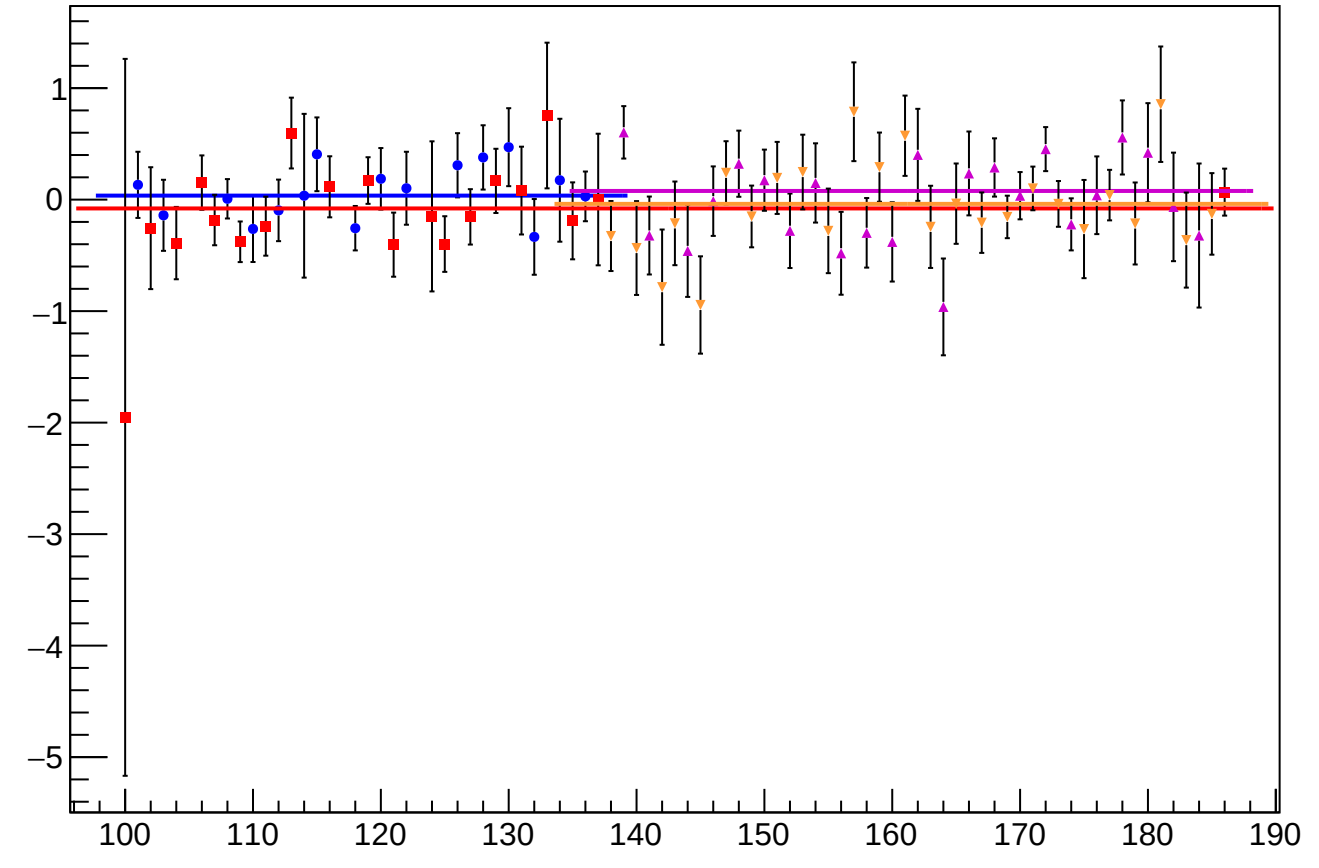
Right: -0.000+/-0.000 χ^2/NDF: 34.8/35

In: 0.000+/-0.000 χ^2/NDF:45.6/38

Out: 0.000+/-0.000 χ^2/NDF:66.8/44

All: 0.000+/-0.000 χ^2/NDF: 113.4/83


asym_atr_dd_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: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.006+/-0.000 χ²/NDF: 5039725.1/19
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.007+/-0.000 χ²/NDF: 9744333.7/35
In: 0.007+/-0.000 χ²/NDF:11076256.1/38
Out: 0.007+/-0.000 χ²/NDF:11982391.0/44
All: 0.007+/-0.000 χ²/NDF: 23062130.1/83



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

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

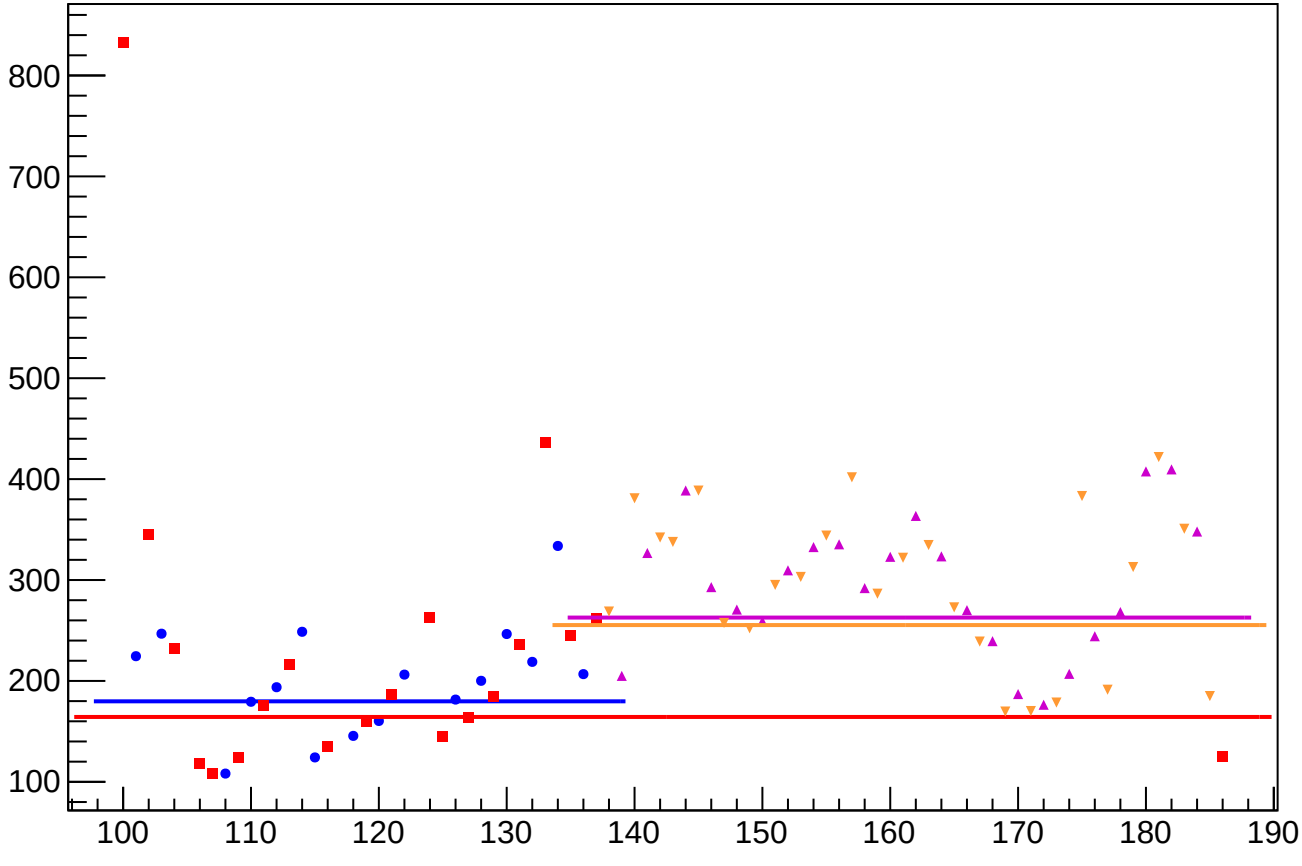
Right: -0.027+/-0.048 χ^2/NDF: 30.1/35

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.004+/-0.033 χ^2/NDF: 87.8/83

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 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

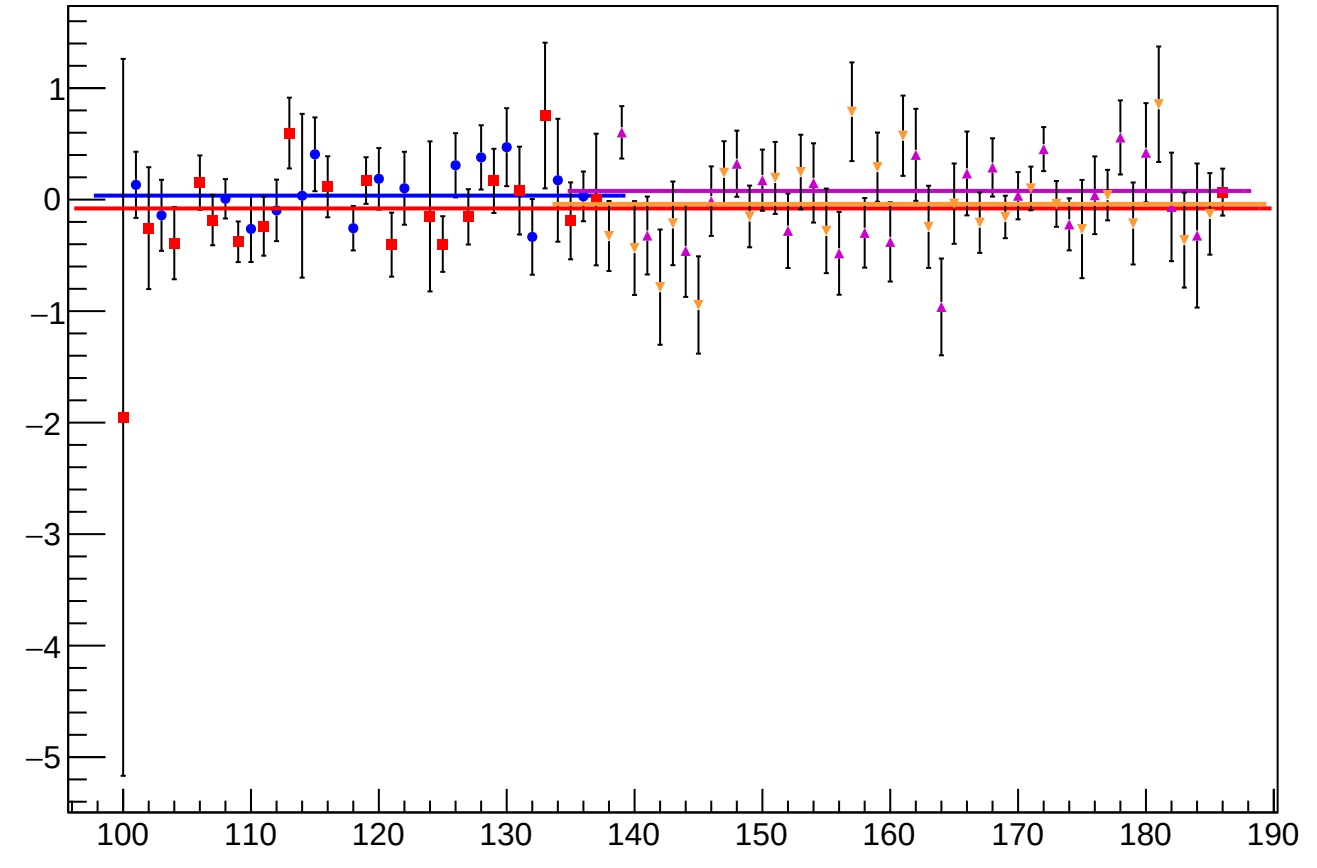
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 171.338+/-0.034 χ^2/NDF: 2456586.0/35

In: 224.773+/-0.034 χ^2/NDF:4442866.1/38

Out: 211.610+/-0.032 χ^2/NDF:6498550.3/44

All: 217.746+/-0.023 χ^2/NDF: 11022496.2/83



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

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

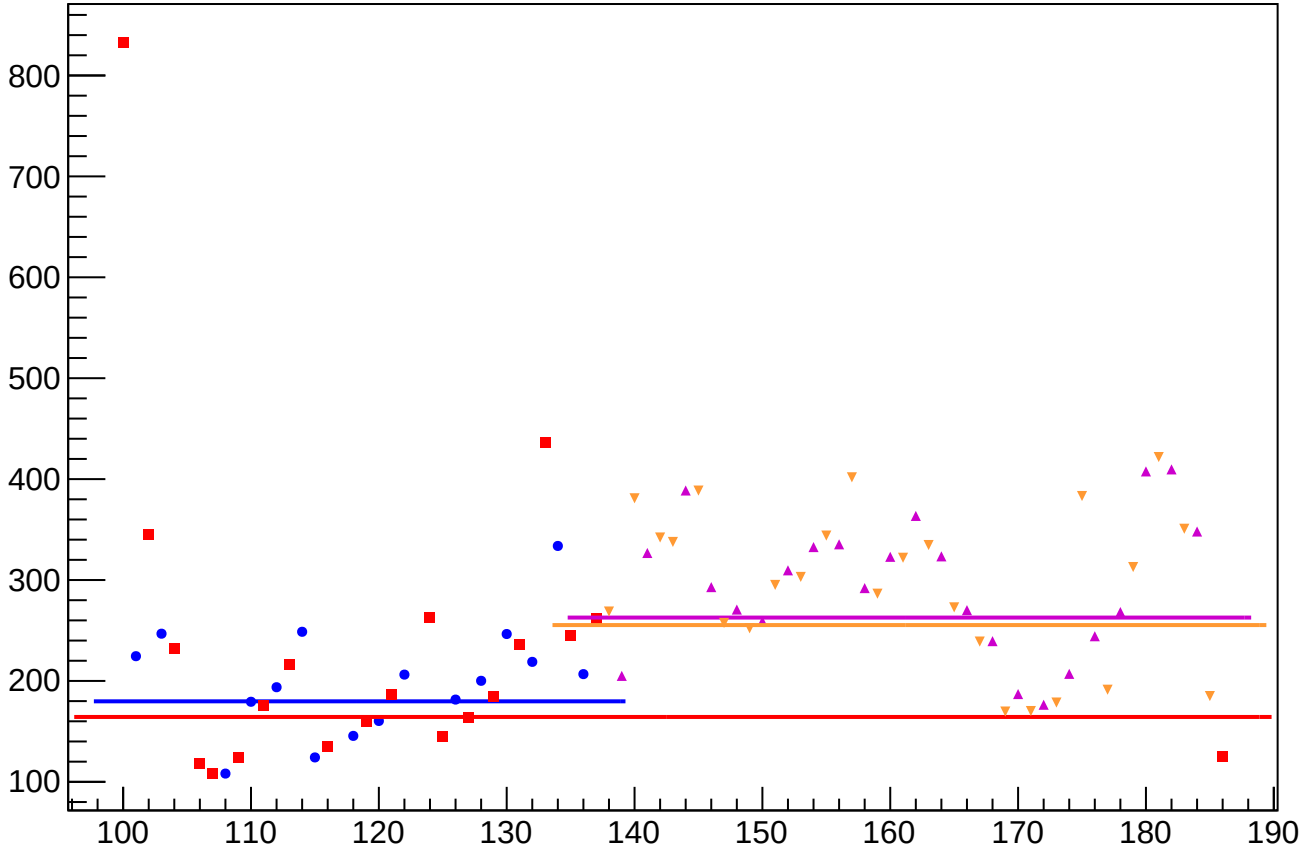
Right: -0.027+/-0.048 χ^2/NDF: 30.1/35

In: 0.059+/-0.048 χ^2/NDF:41.8/38

Out: -0.058+/-0.045 χ^2/NDF:42.8/44

All: -0.004+/-0.033 χ^2/NDF: 87.8/83

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 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

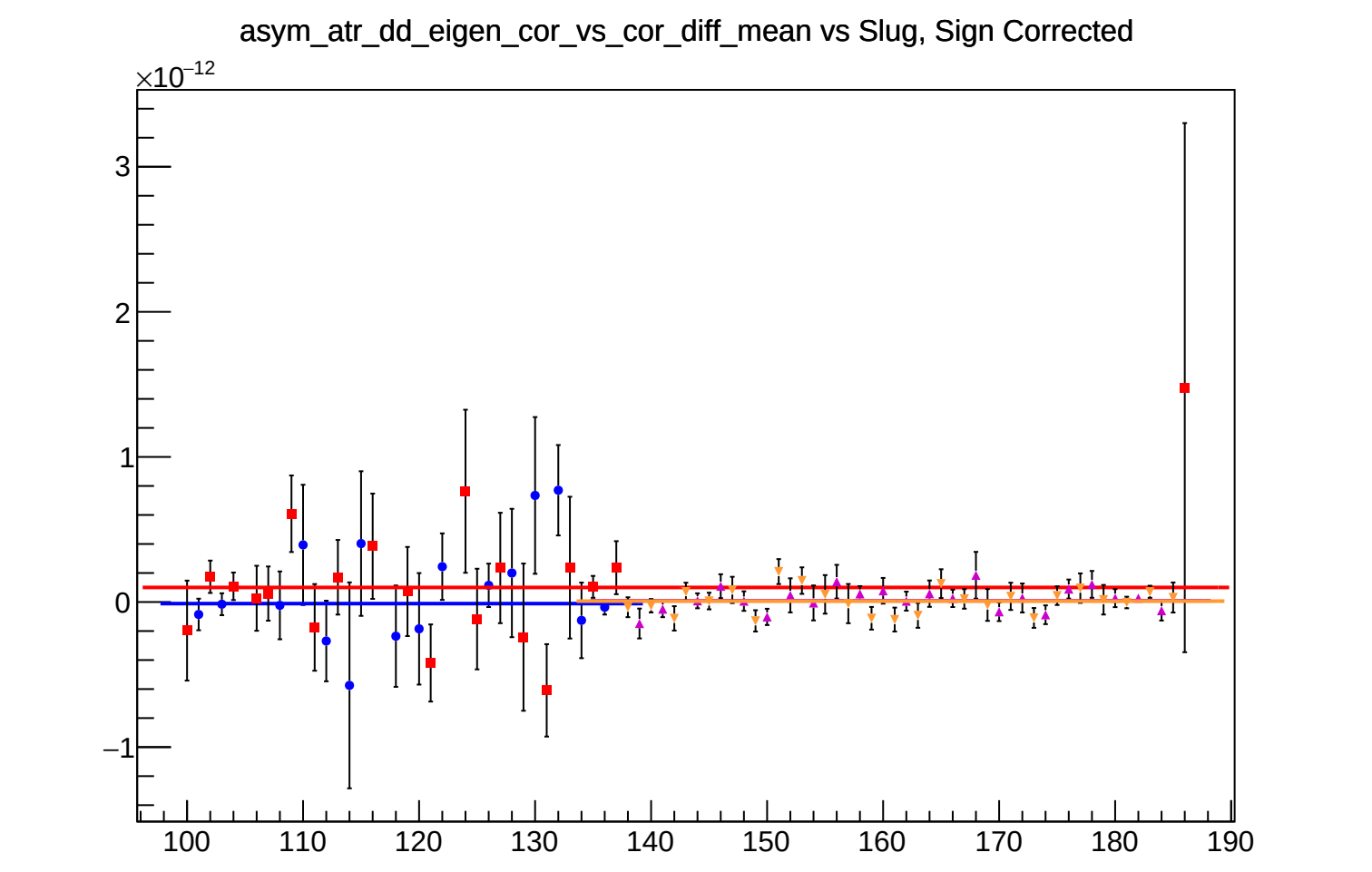
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 171.338+/-0.034 χ^2/NDF: 2456586.0/35

In: 224.773+/-0.034 χ^2/NDF:4442866.1/38

Out: 211.610+/-0.032 χ^2/NDF:6498550.3/44

All: 217.746+/-0.023 χ^2/NDF: 11022496.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

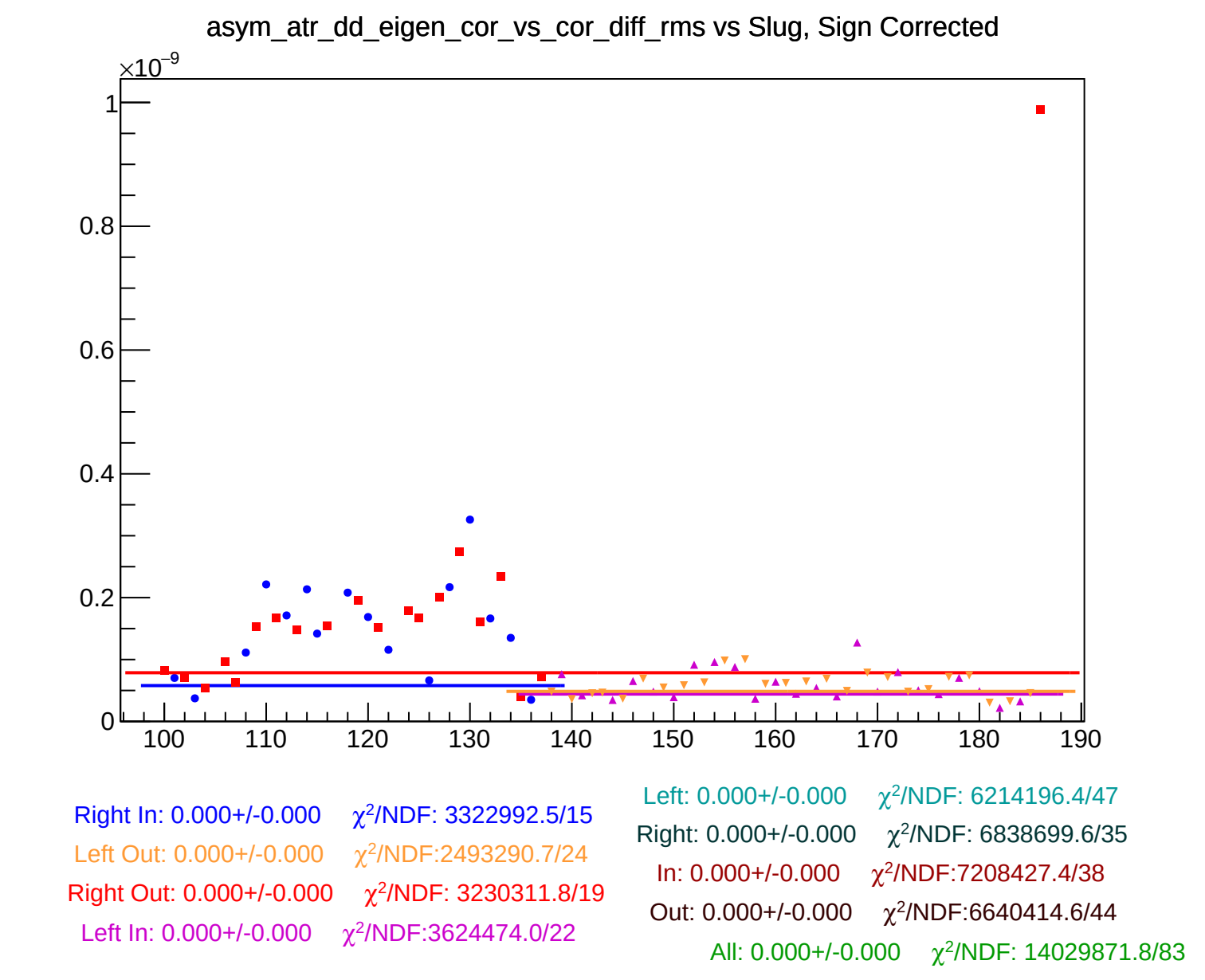
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 38.1/35

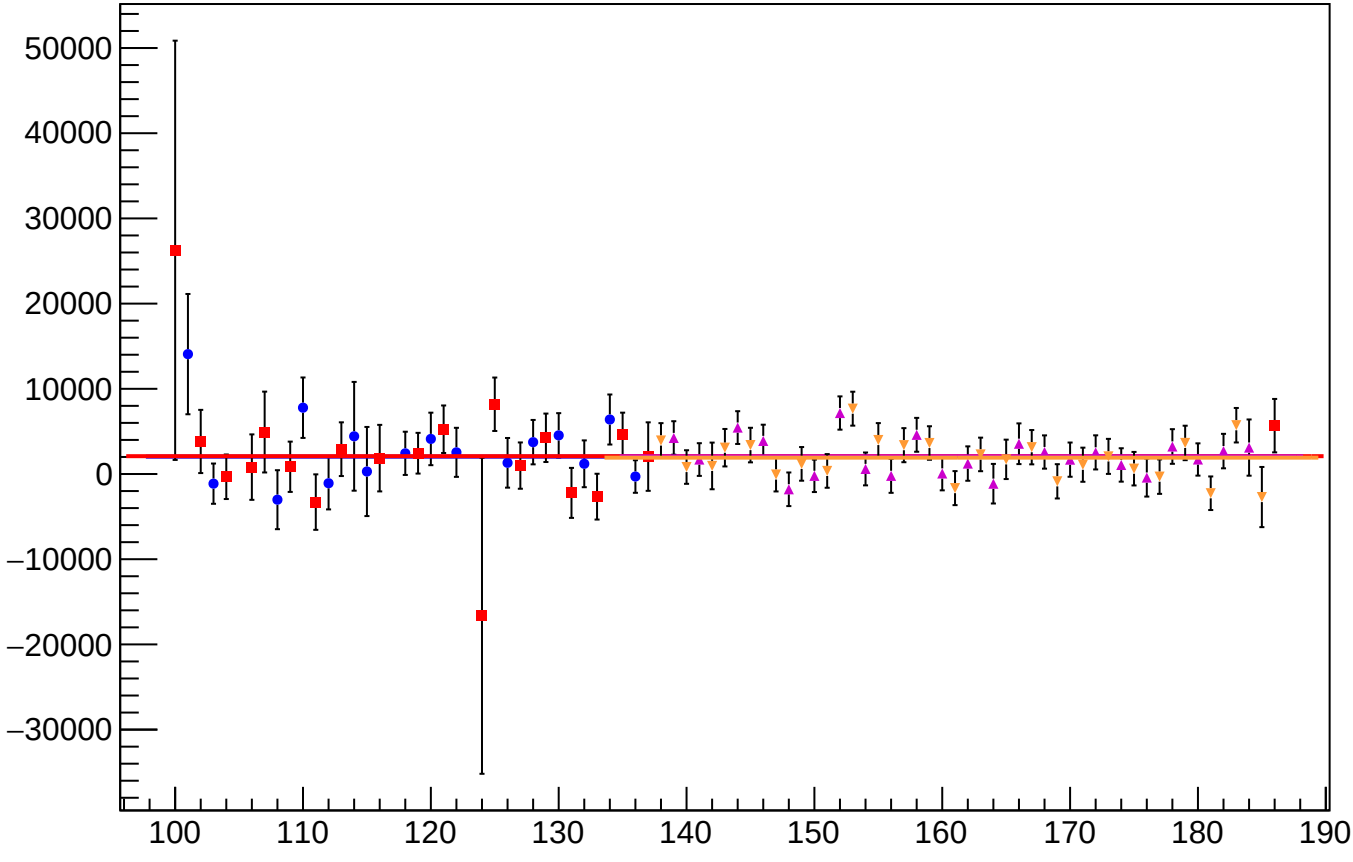
In: 0.000+/-0.000 χ^2/NDF:36.5/38

Out: 0.000+/-0.000 χ^2/NDF:54.0/44

All: 0.000+/-0.000 χ^2/NDF: 90.8/83


asym_atr_dd_eigen_cor_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: 3322992.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3230311.8/19
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 6838699.6/35
In: 0.000+/-0.000 χ²/NDF:7208427.4/38
Out: 0.000+/-0.000 χ²/NDF:6640414.6/44
All: 0.000+/-0.000 χ²/NDF: 14029871.8/83

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

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

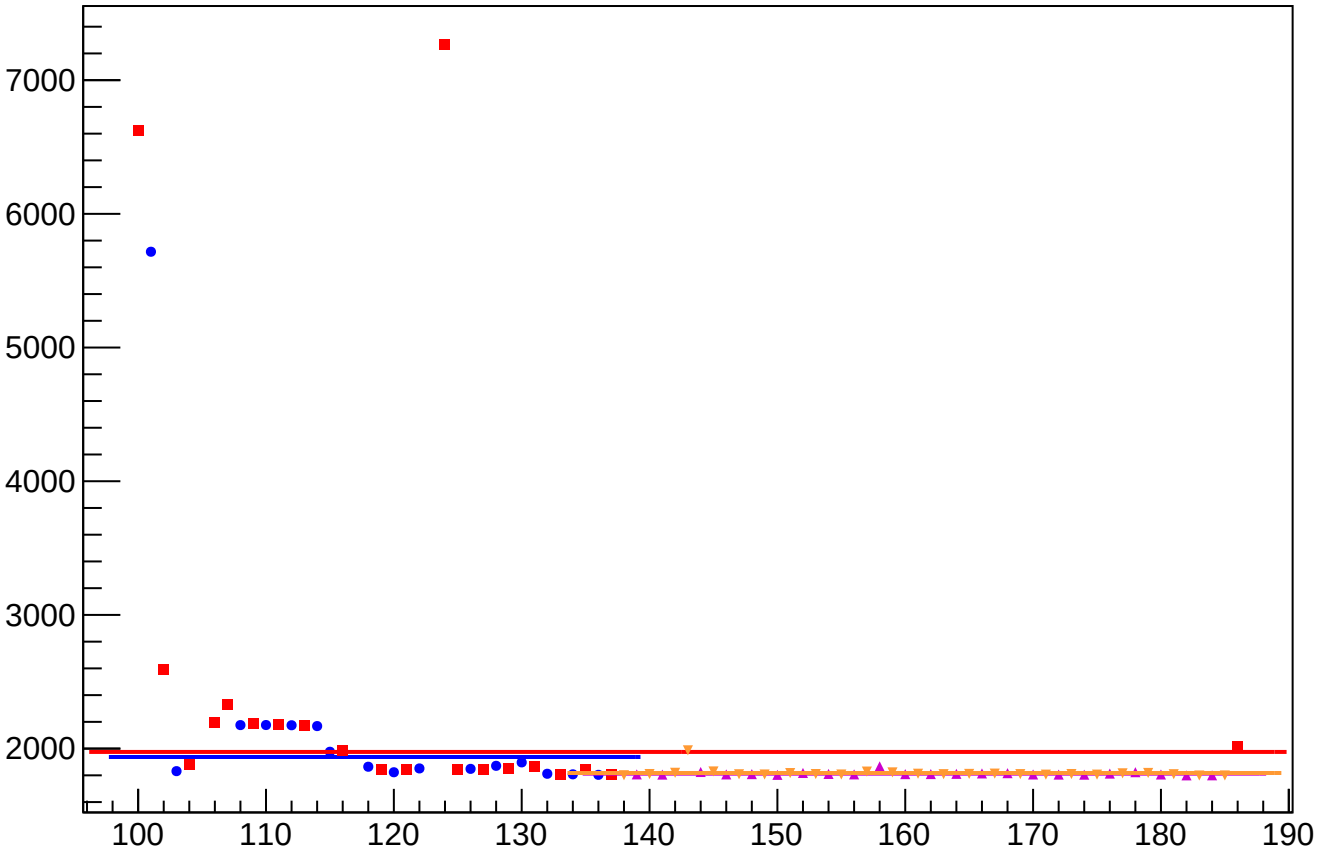
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 2066.880+/-513.735 χ^2/NDF: 36.3/35

In: 2065.514+/-366.903 χ^2/NDF:43.0/38

Out: 1963.569+/-357.848 χ^2/NDF:52.5/44

All: 2013.268+/-256.178 χ^2/NDF: 95.5/83



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

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

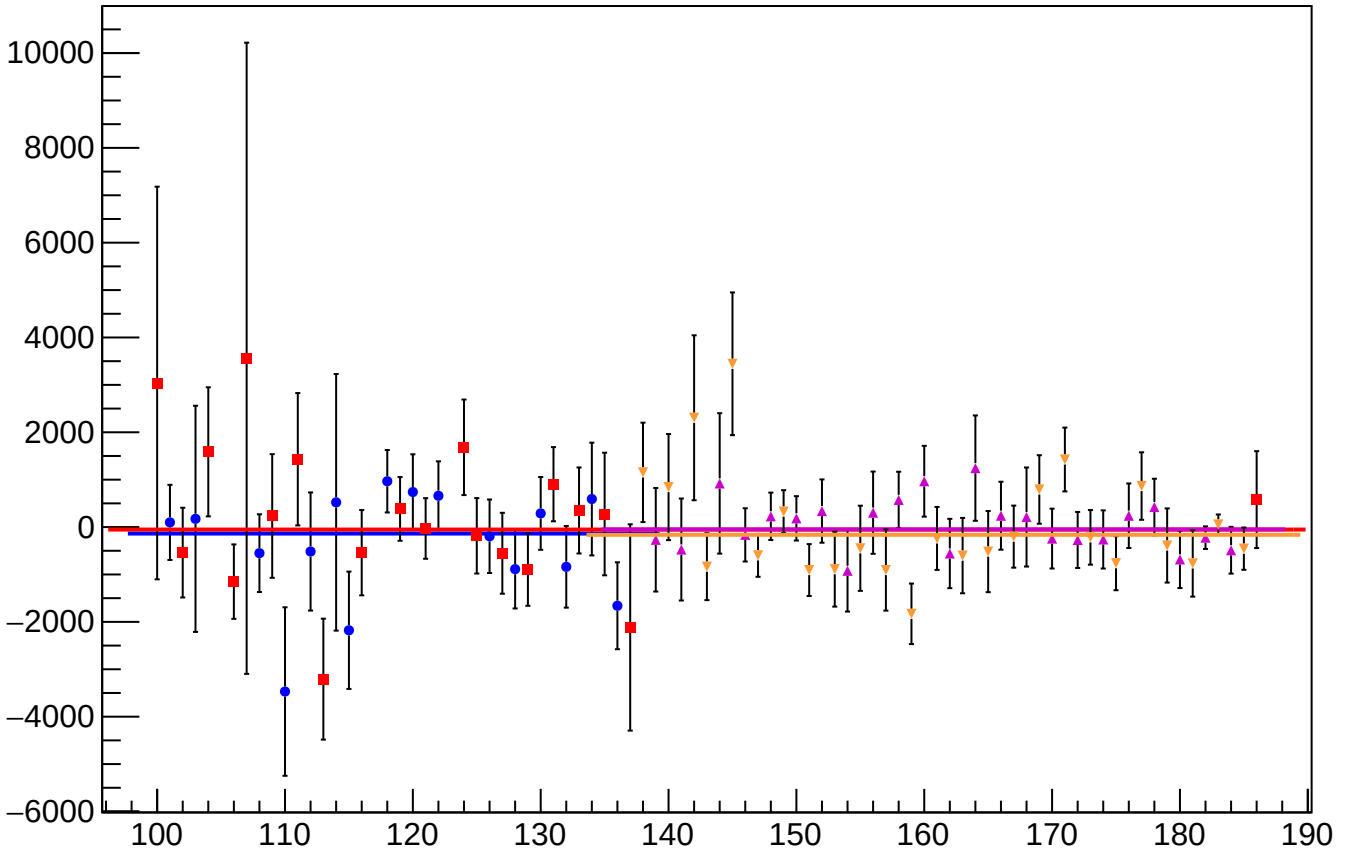
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1956.650+/-0.363 χ^2/NDF: 1018709.1/35

In: 1843.518+/-0.259 χ^2/NDF:683238.2/38

Out: 1856.741+/-0.253 χ^2/NDF:463336.9/44

All: 1850.295+/-0.181 χ^2/NDF: 1147906.5/83



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

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

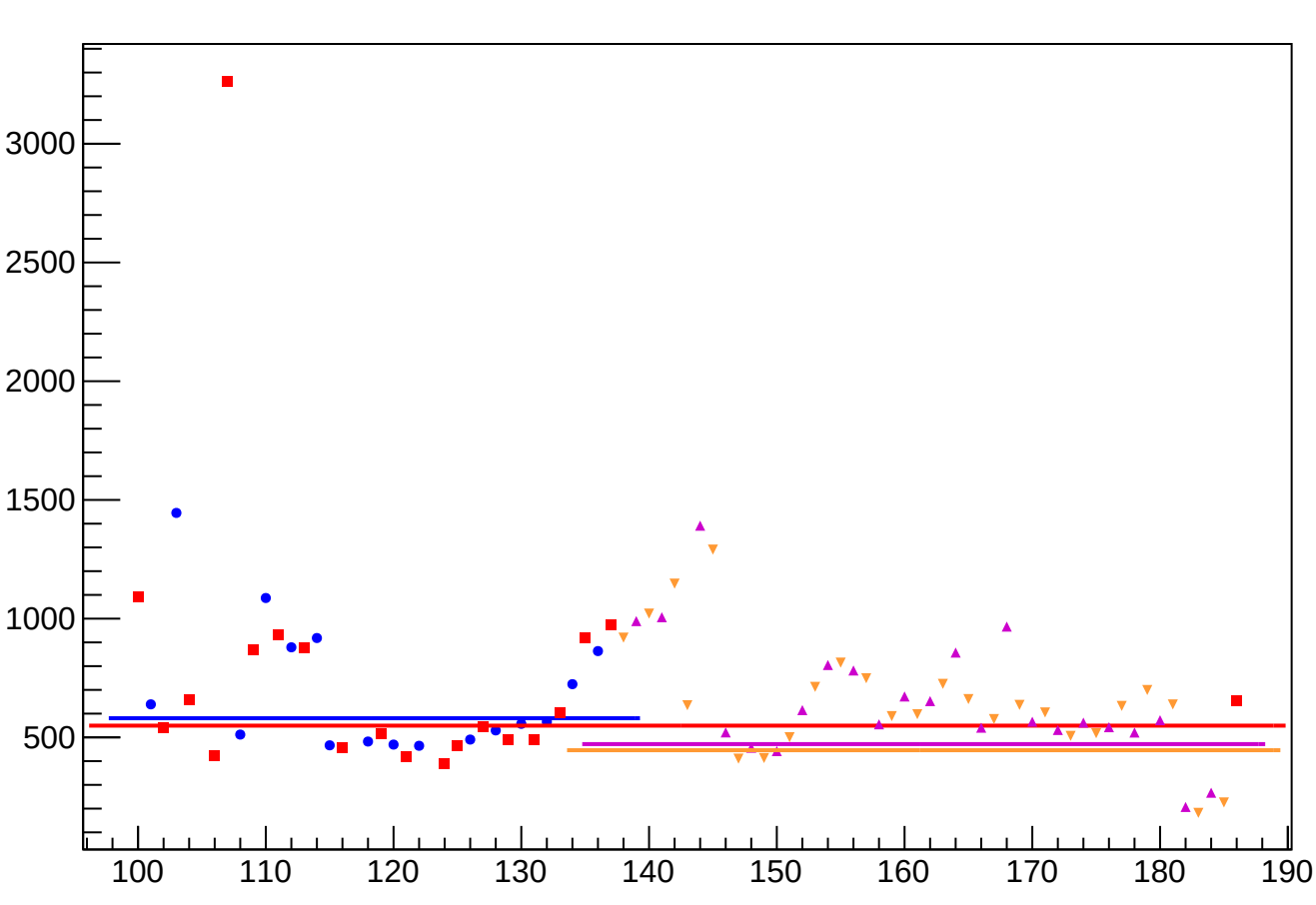
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

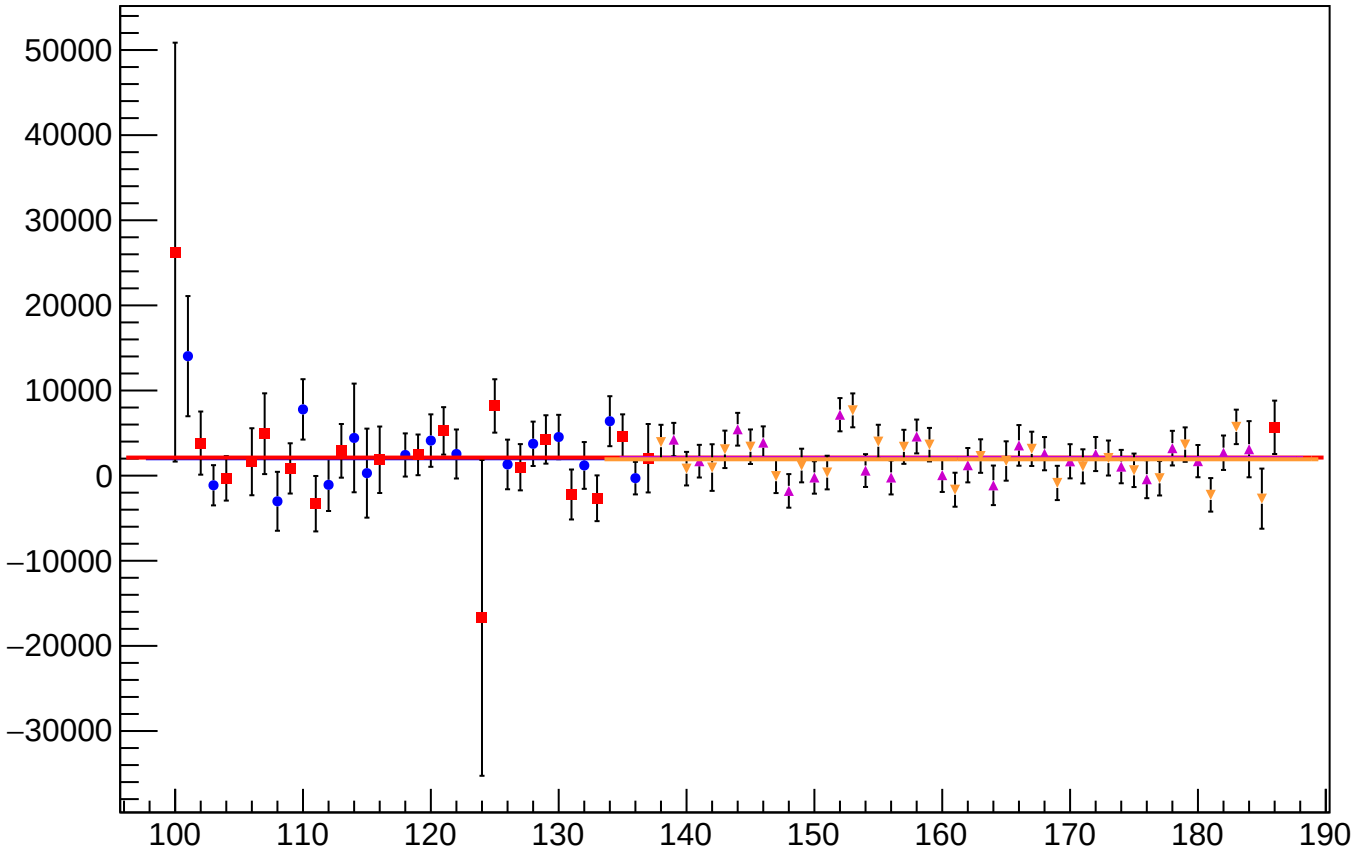
Right: -92.034+/-157.961 χ^2/NDF: 37.1/35

In: -68.584+/-108.297 χ^2/NDF:28.3/38

Out: -138.660+/-101.812 χ^2/NDF:57.2/44

All: -105.783+/-74.179 χ^2/NDF: 85.8/83


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 445.893+/-0.082 χ²/NDF:7982455.6/24
Right Out: 549.431+/-0.153 χ²/NDF: 1309273.7/19
Left In: 471.746+/-0.087 χ²/NDF:6413905.5/22
Left: 458.017+/-0.059 χ²/NDF: 14443518.4/47
Right: 564.083+/-0.112 χ²/NDF: 2332094.5/35
In: 495.792+/-0.077 χ²/NDF:7765118.3/38
Out: 468.694+/-0.072 χ²/NDF:9646914.2/44
All: 481.407+/-0.052 χ²/NDF: 17478503.4/83



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

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

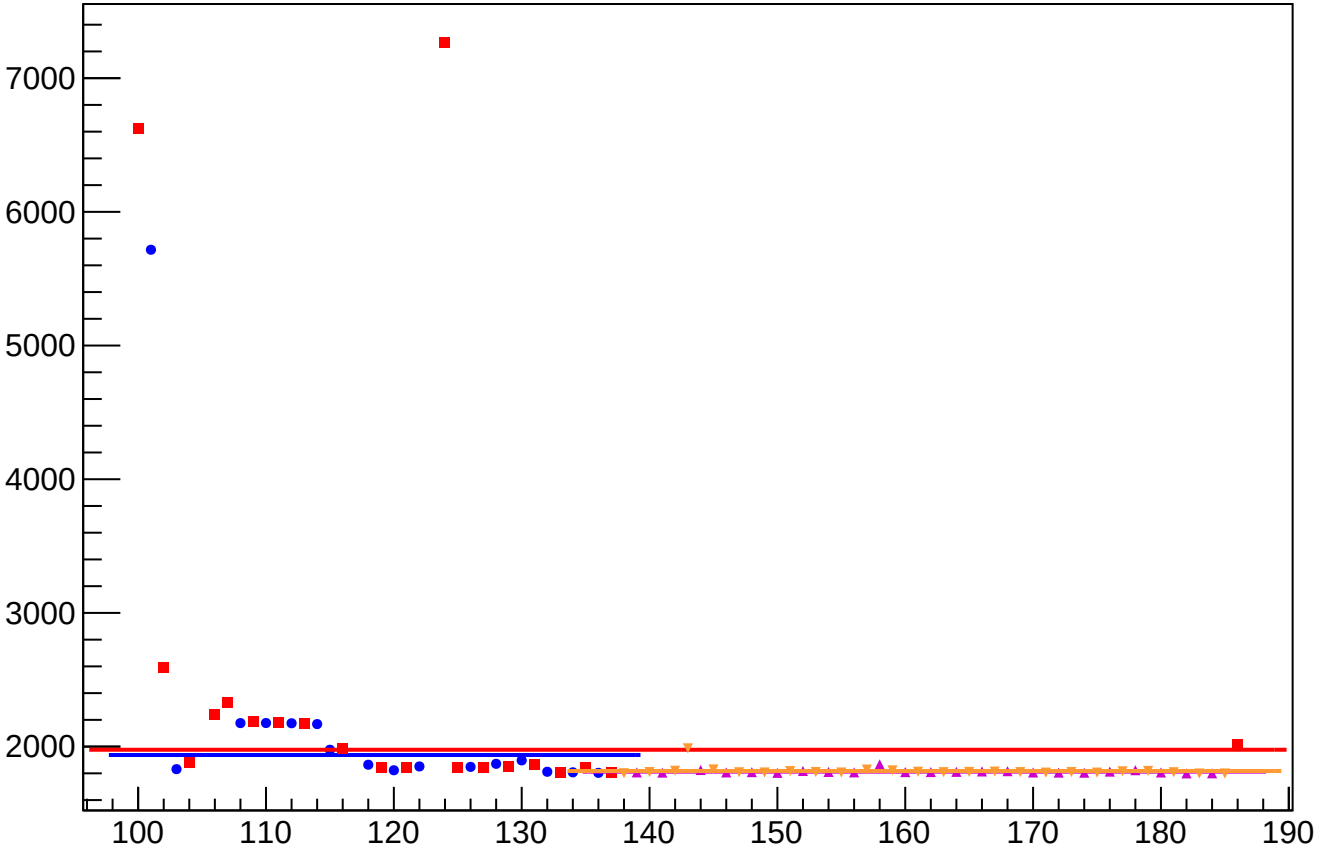
Right: 2081.907+/-513.954 χ^2/NDF: 36.2/35

In: 2065.498+/-366.903 χ^2/NDF:43.0/38

Out: 1970.875+/-357.922 χ^2/NDF:52.4/44

All: 2017.014+/-256.205 χ^2/NDF: 95.4/83

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

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

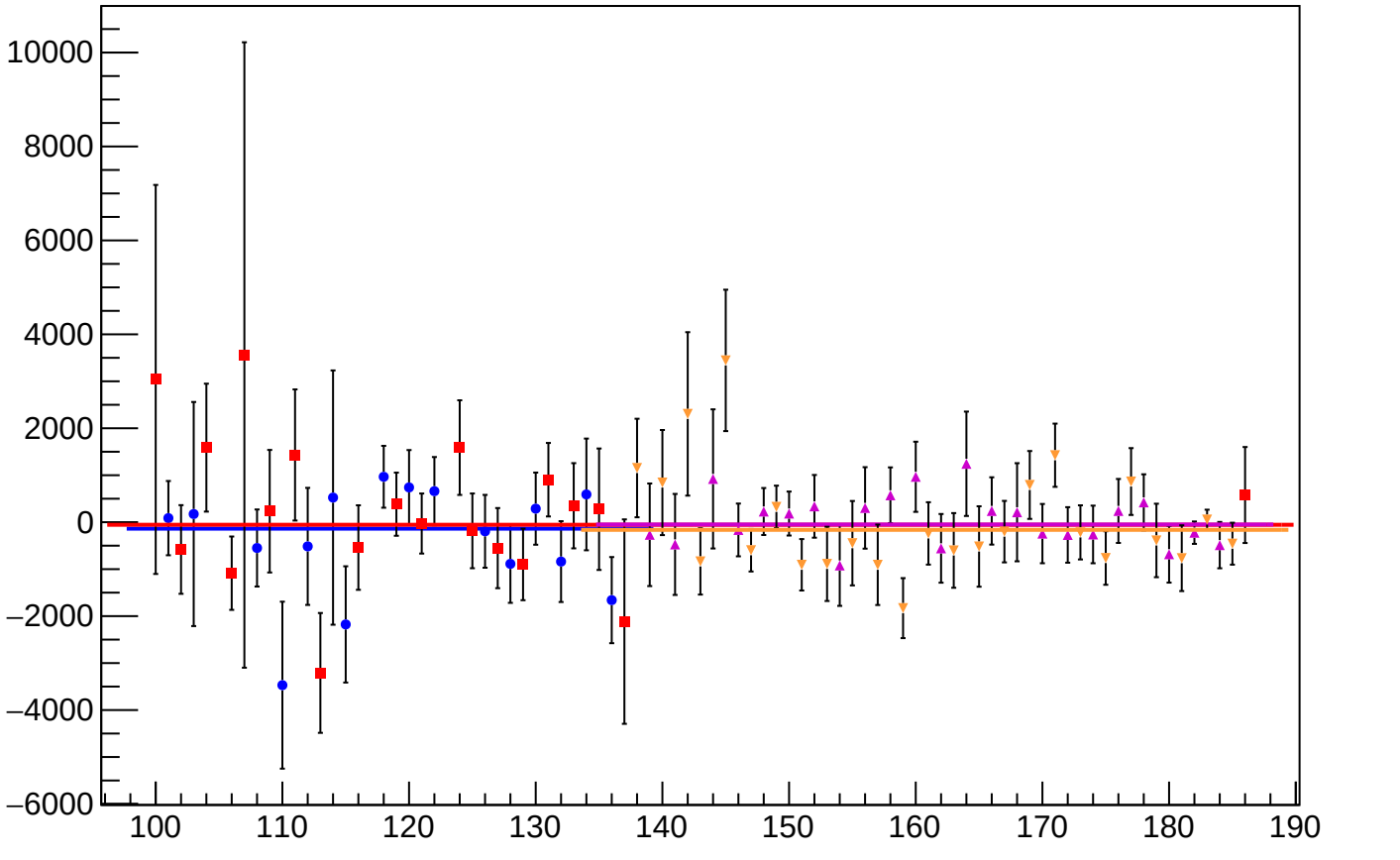
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1957.314+/-0.363 χ^2/NDF: 1021770.2/35

In: 1843.518+/-0.259 χ^2/NDF:683238.2/38

Out: 1857.022+/-0.253 χ^2/NDF:467339.4/44

All: 1850.437+/-0.181 χ^2/NDF: 1151965.8/83



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

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

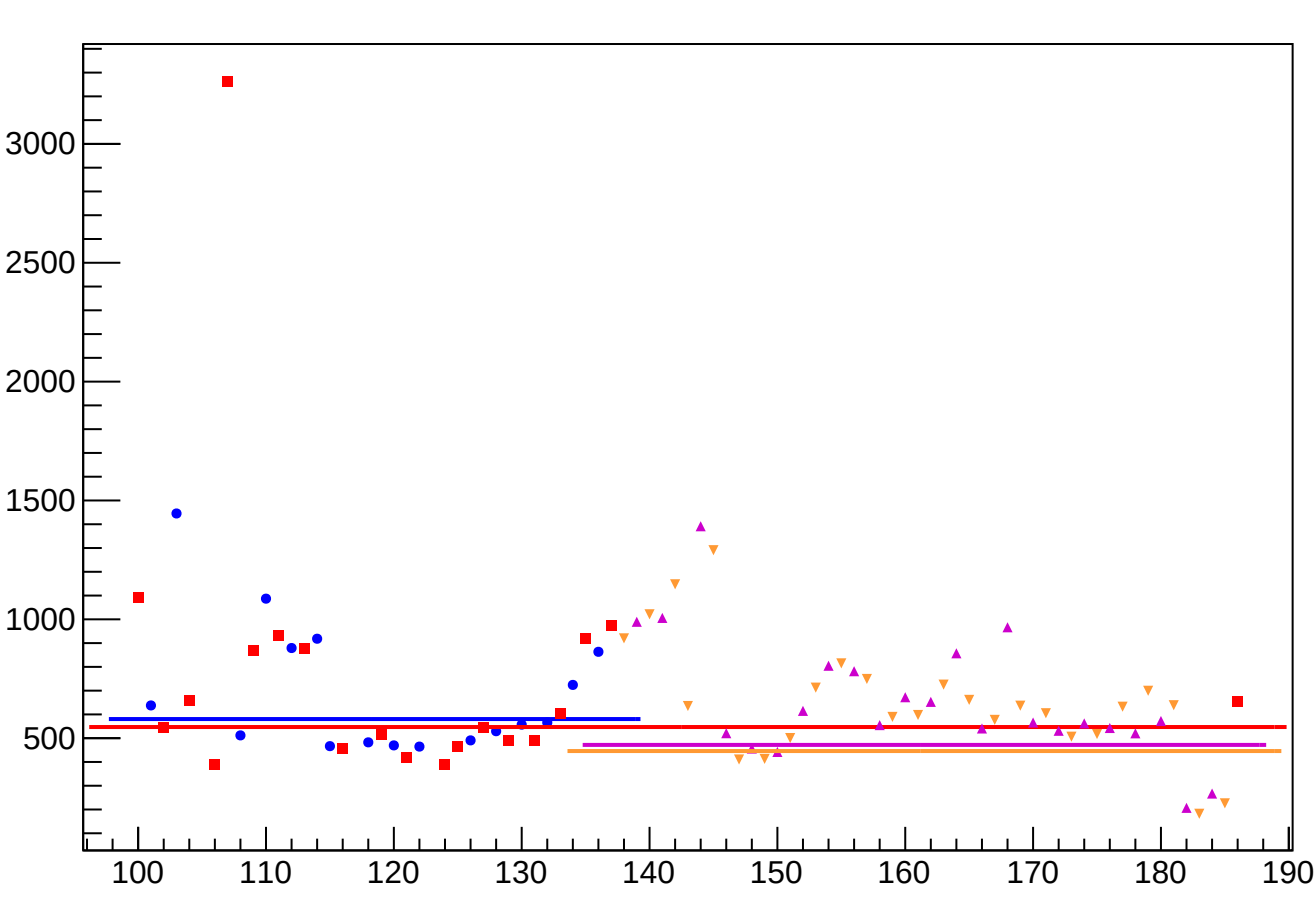
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -93.786+/-157.896 χ^2/NDF: 36.6/35

In: -68.794+/-108.294 χ^2/NDF:28.3/38

Out: -139.143+/-101.796 χ^2/NDF:56.7/44

All: -106.142+/-74.171 χ^2/NDF: 85.3/83



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

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

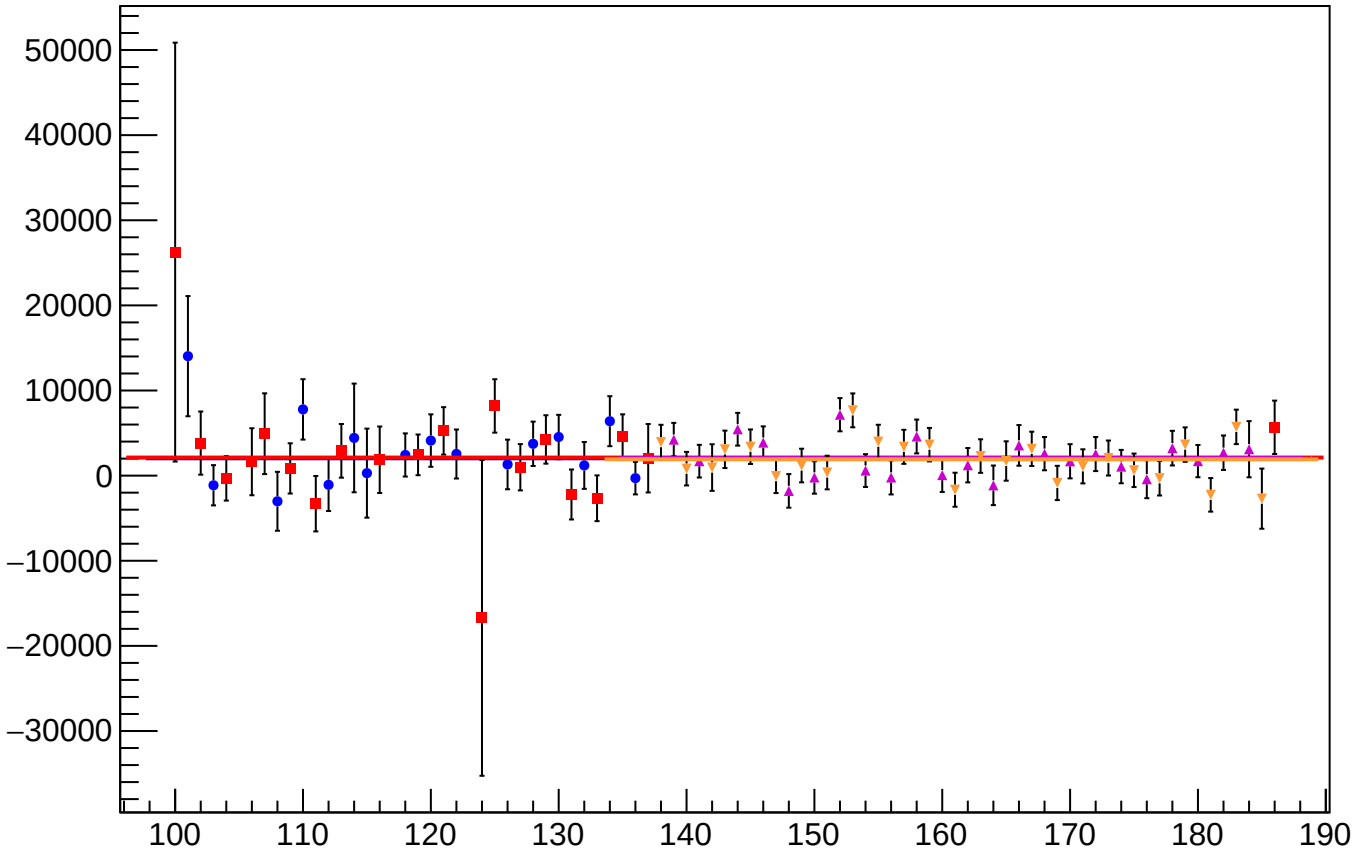
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 562.718+/-0.112 χ^2/NDF: 2366935.7/35

In: 495.789+/-0.077 χ^2/NDF:7763837.8/38

Out: 468.146+/-0.072 χ^2/NDF:9664245.4/44

All: 481.113+/-0.052 χ^2/NDF: 17497265.1/83



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

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

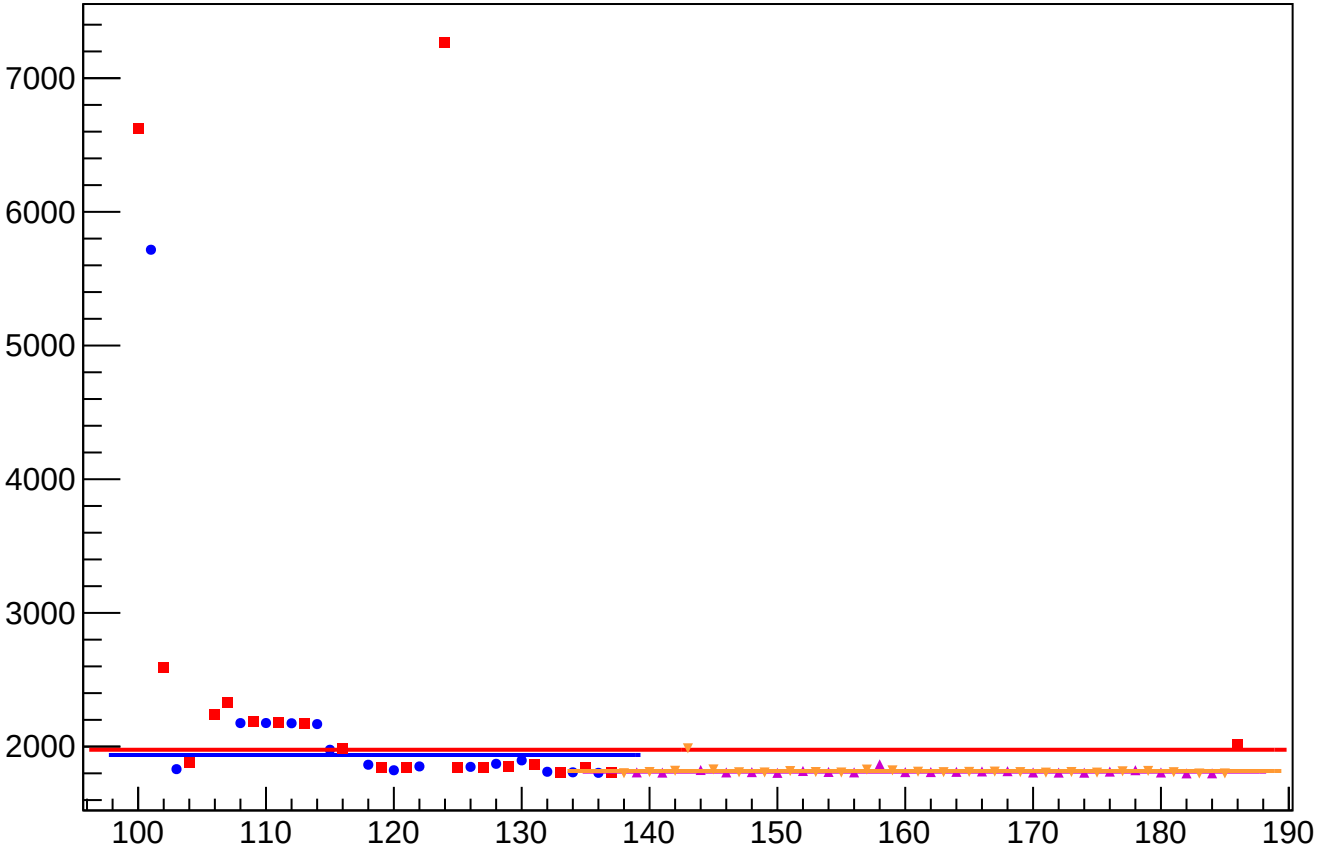
Right: 2081.907+/-513.954 χ^2/NDF: 36.2/35

In: 2065.498+/-366.903 χ^2/NDF:43.0/38

Out: 1970.875+/-357.922 χ^2/NDF:52.4/44

All: 2017.014+/-256.205 χ^2/NDF: 95.4/83

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

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

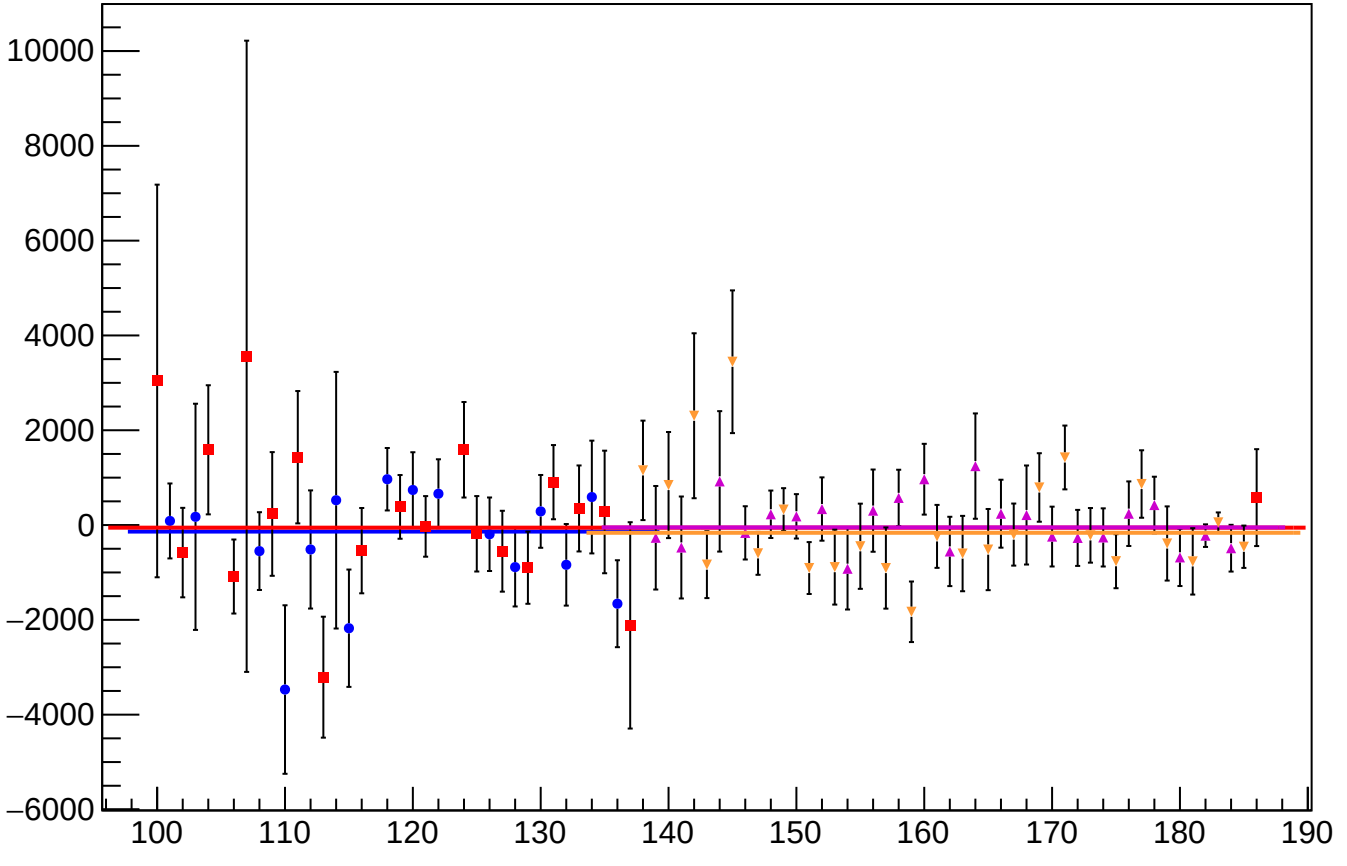
Right: 1957.314+/-0.363 χ^2/NDF: 1021770.2/35

In: 1843.518+/-0.259 χ^2/NDF:683238.2/38

Out: 1857.022+/-0.253 χ^2/NDF:467339.4/44

All: 1850.437+/-0.181 χ^2/NDF: 1151965.8/83

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -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

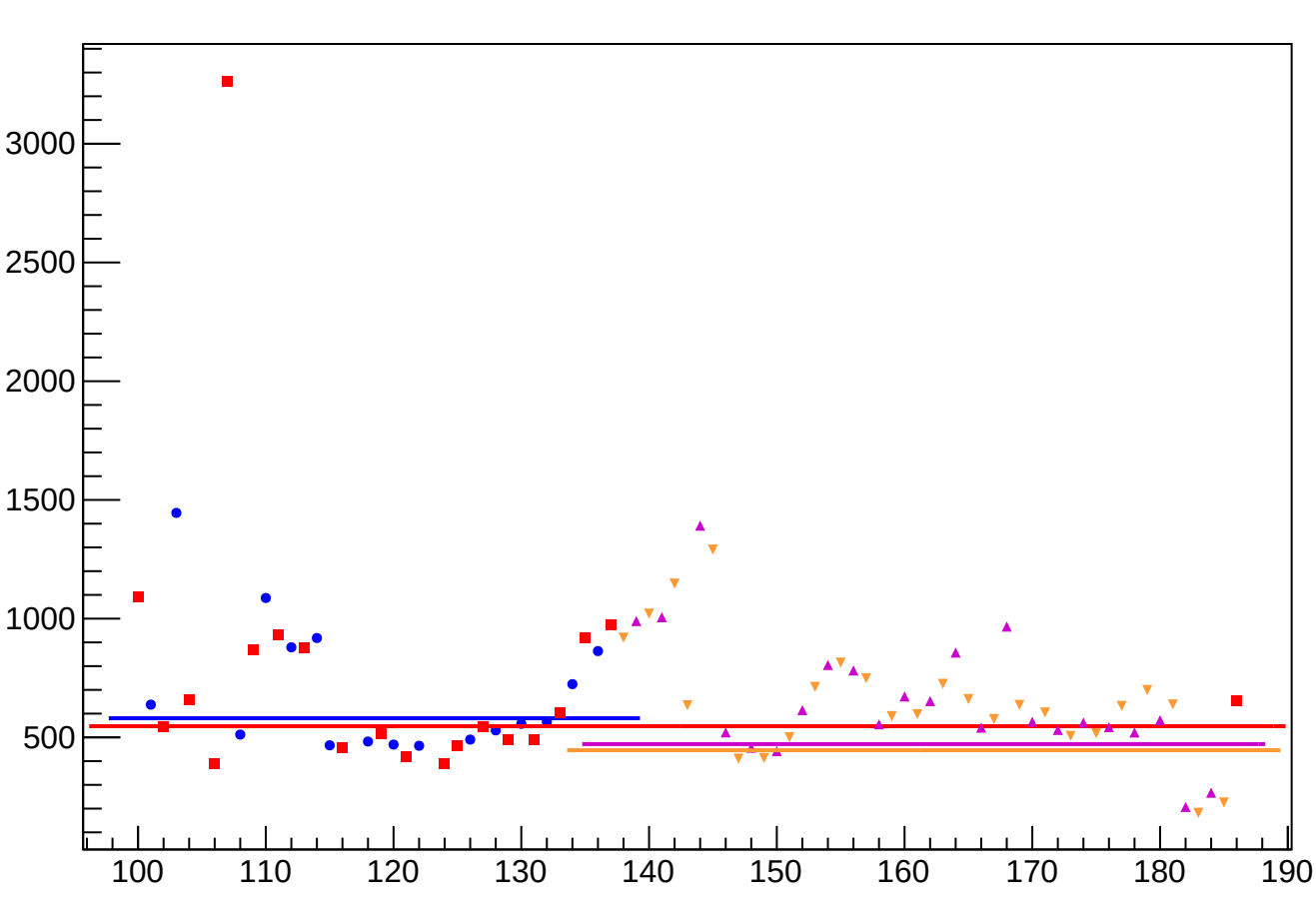
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -93.786+/-157.896 χ^2/NDF: 36.6/35

In: -68.794+/-108.294 χ^2/NDF:28.3/38

Out: -139.143+/-101.796 χ^2/NDF:56.7/44

All: -106.142+/-74.171 χ^2/NDF: 85.3/83



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

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

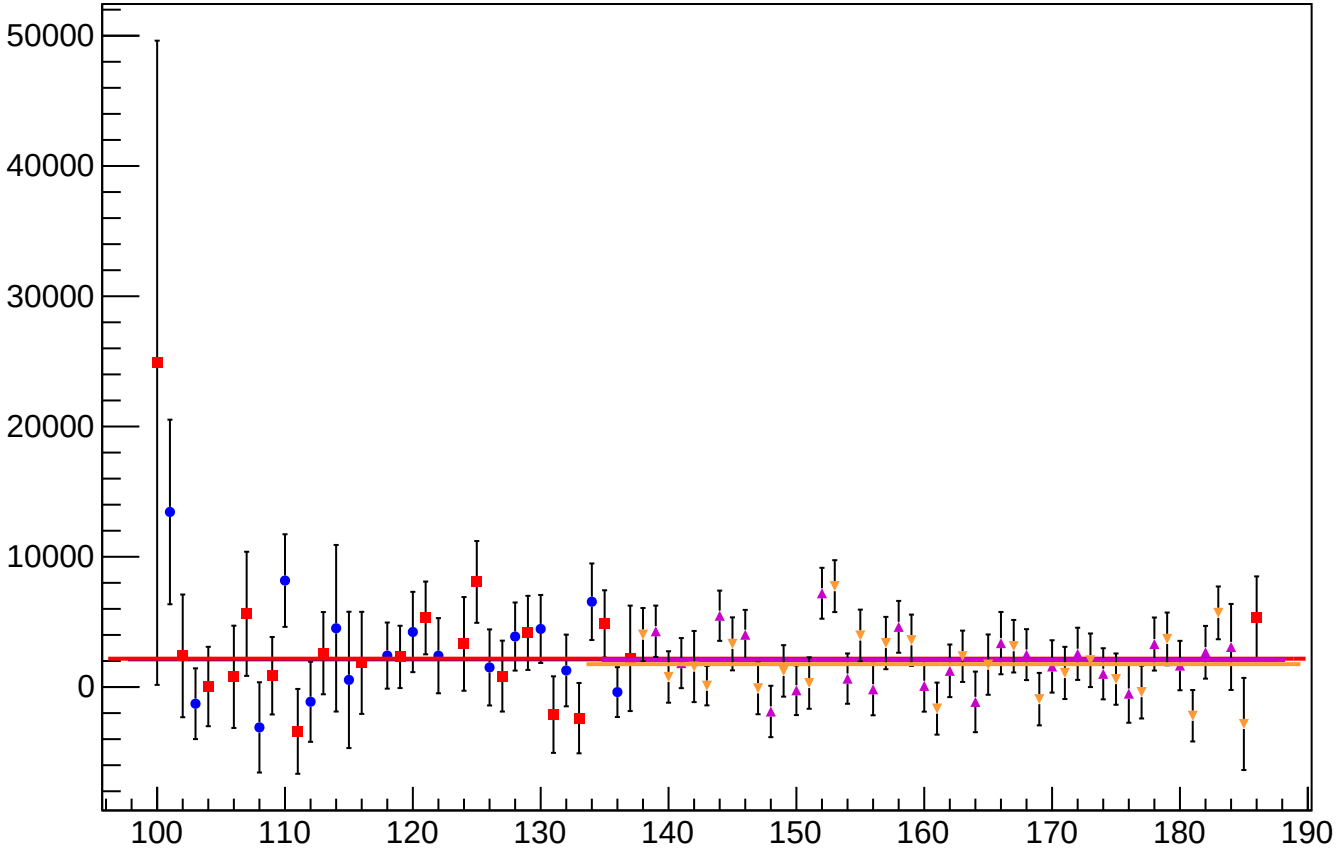
Right: 562.718+/-0.112 χ^2/NDF: 2366935.7/35

In: 495.789+/-0.077 χ^2/NDF:7763837.8/38

Out: 468.146+/-0.072 χ^2/NDF:9664245.4/44

All: 481.113+/-0.052 χ^2/NDF: 17497265.1/83

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

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

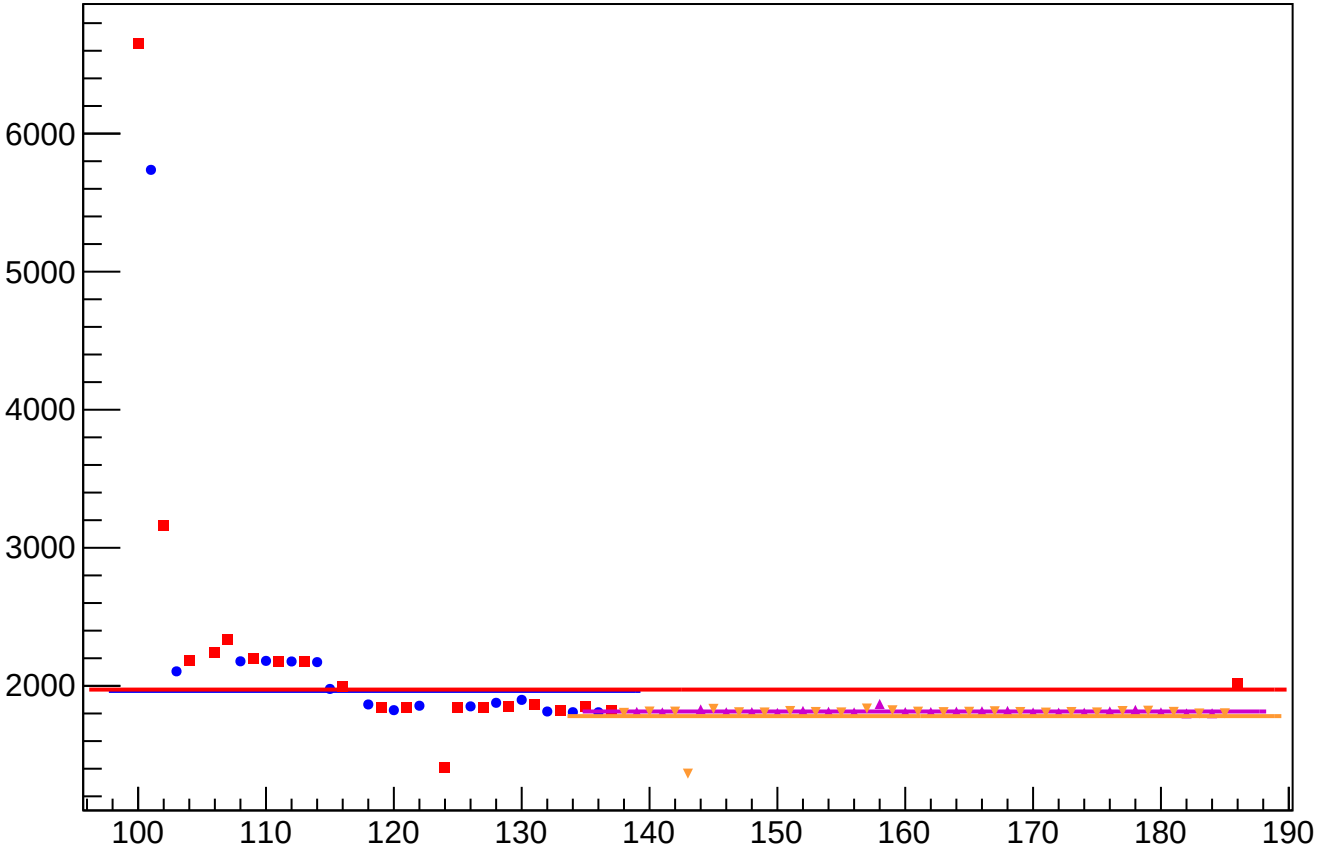
Right: 2153.943+/-517.283 χ^2/NDF: 34.3/35

In: 2086.921+/-368.418 χ^2/NDF:43.5/38

Out: 1857.513+/-352.980 χ^2/NDF:51.9/44

All: 1967.310+/-254.878 χ^2/NDF: 95.6/83

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

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

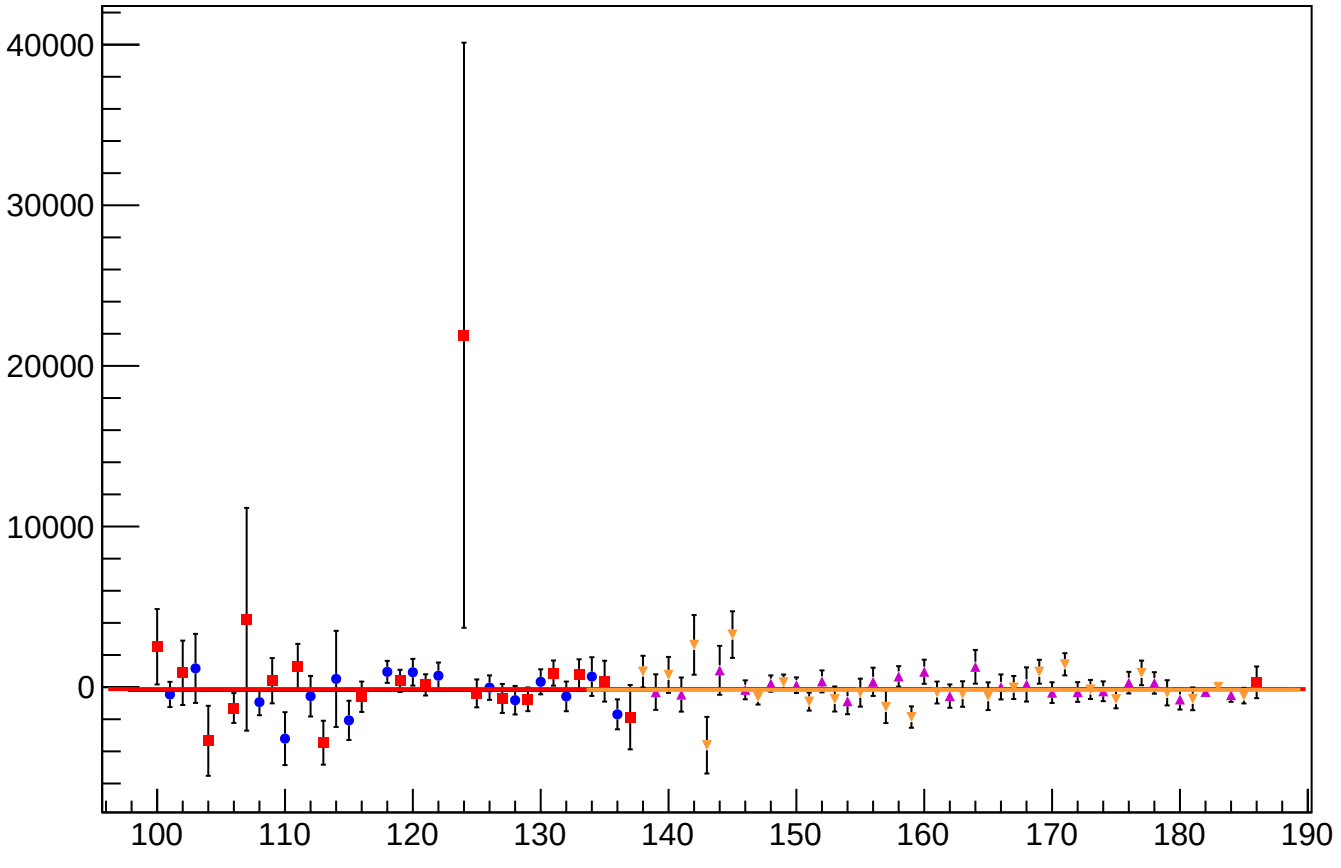
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1968.431+/-0.366 χ^2/NDF: 986041.7/35

In: 1850.746+/-0.261 χ^2/NDF:702632.8/38

Out: 1827.395+/-0.250 χ^2/NDF:619243.5/44

All: 1838.571+/-0.180 χ^2/NDF: 1326065.6/83



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

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

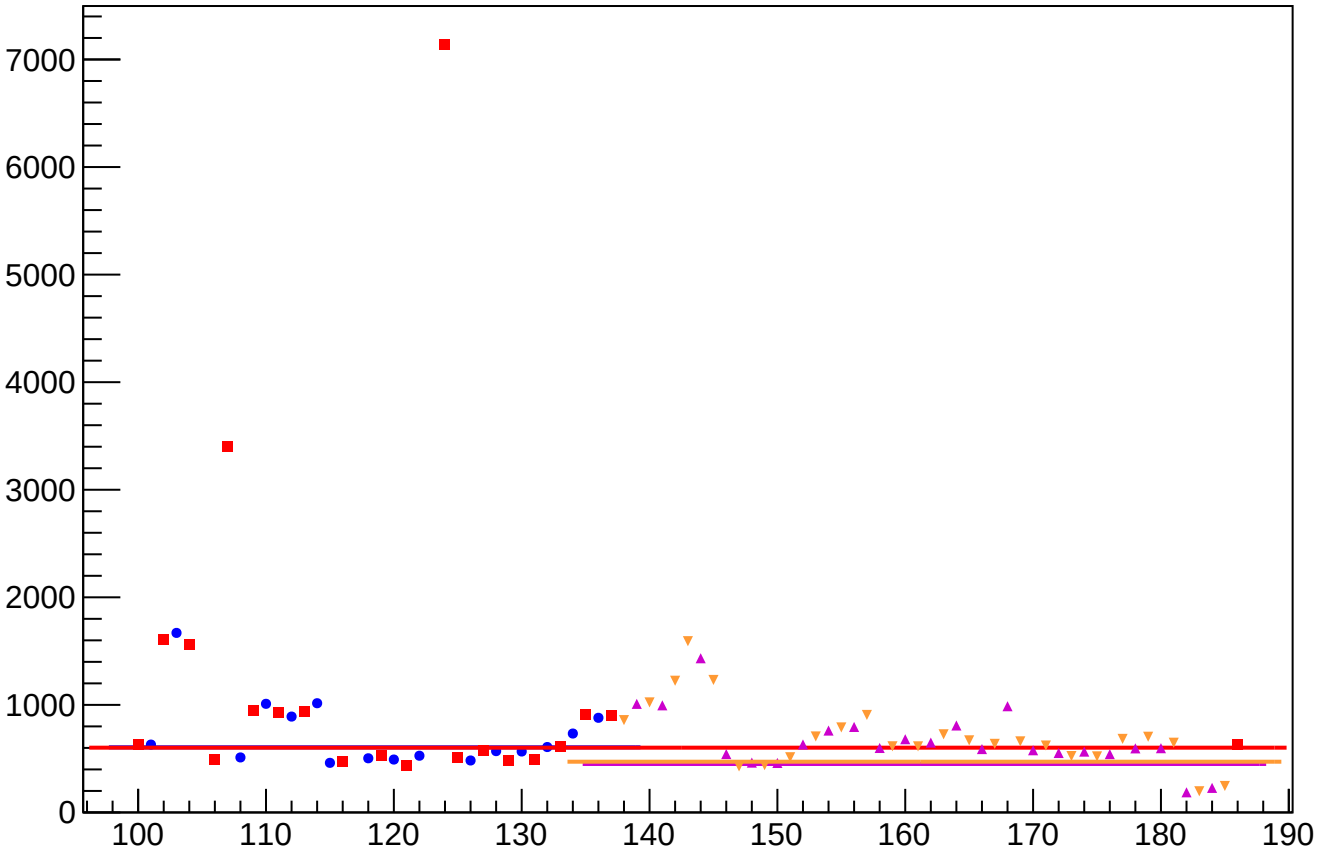
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -146.278+/-167.127 χ^2/NDF: 37.5/35

In: -128.114+/-106.889 χ^2/NDF:29.6/38

Out: -158.263+/-108.095 χ^2/NDF:58.7/44

All: -143.019+/-76.005 χ^2/NDF: 88.3/83



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

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

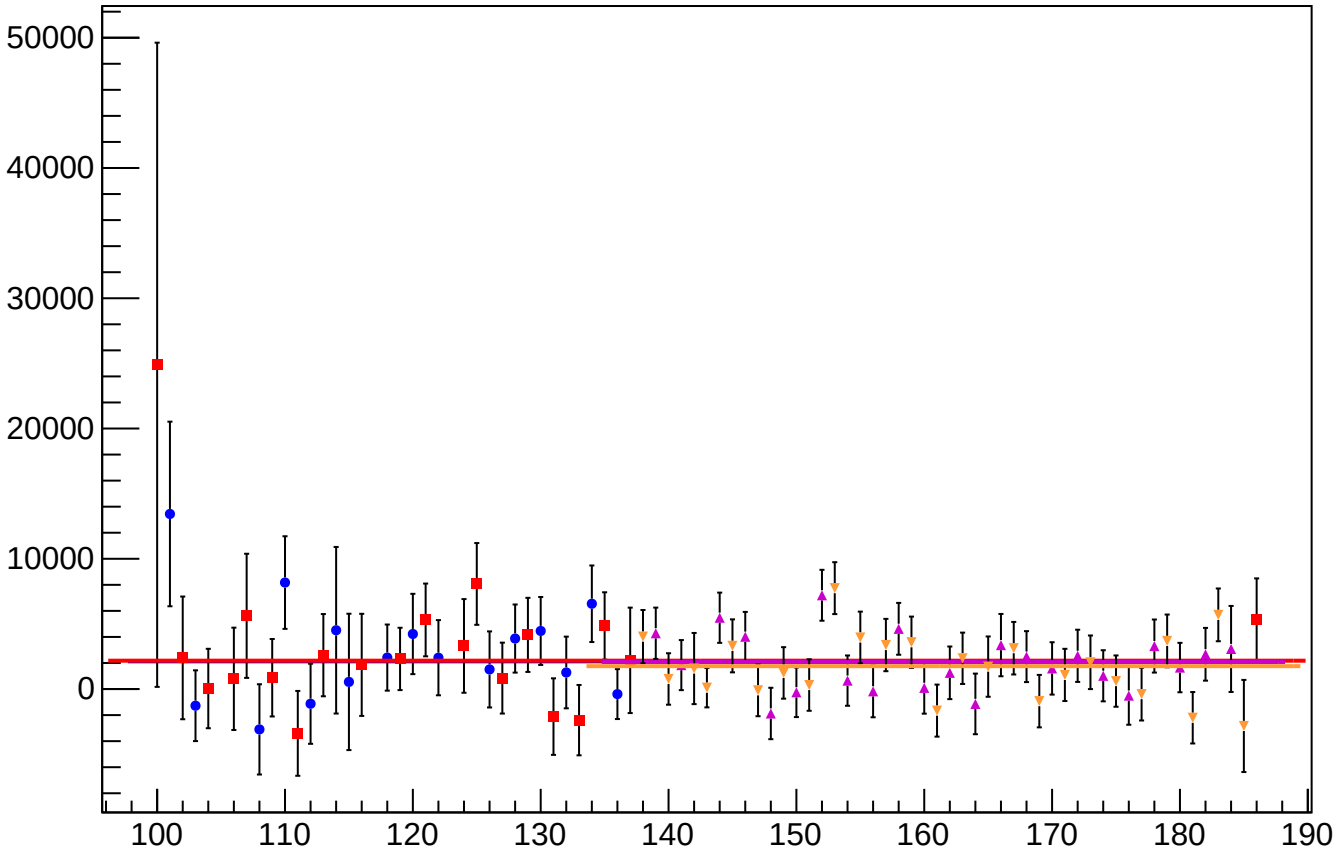
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

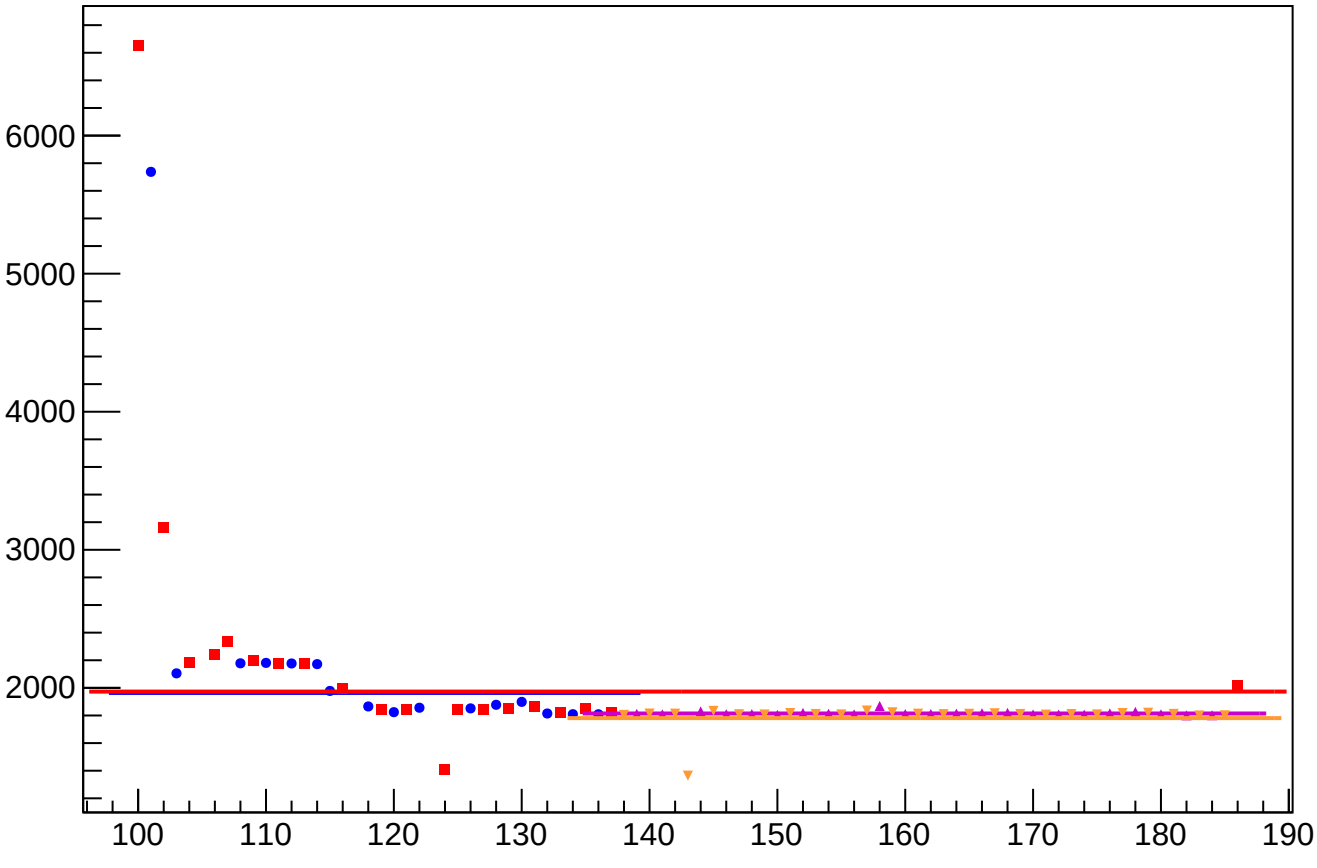
Right: 603.815+/-0.118 χ^2/NDF: 3493019.5/35

In: 482.158+/-0.076 χ^2/NDF:9770658.0/38

Out: 499.189+/-0.076 χ^2/NDF:10926449.5/44

All: 490.578+/-0.054 χ^2/NDF: 20722209.0/83


eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
100
110
120
130
140
150
160
170
180
190
Right In: 2128.746+/-746.242 χ²/NDF: 16.5/15
Left Out: 1755.493+/-405.401 χ²/NDF:33.8/24
Right Out: 2177.244+/-717.691 χ²/NDF: 17.8/19
Left In: 2073.441+/-423.648 χ²/NDF:27.0/22
Left: 1907.473+/-292.900 χ²/NDF: 61.1/47
Right: 2153.940+/-517.283 χ²/NDF: 34.3/35
In: 2086.921+/-368.418 χ²/NDF:43.5/38
Out: 1857.512+/-352.980 χ²/NDF:51.9/44
All: 1967.309+/-254.878 χ²/NDF: 95.6/83



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

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

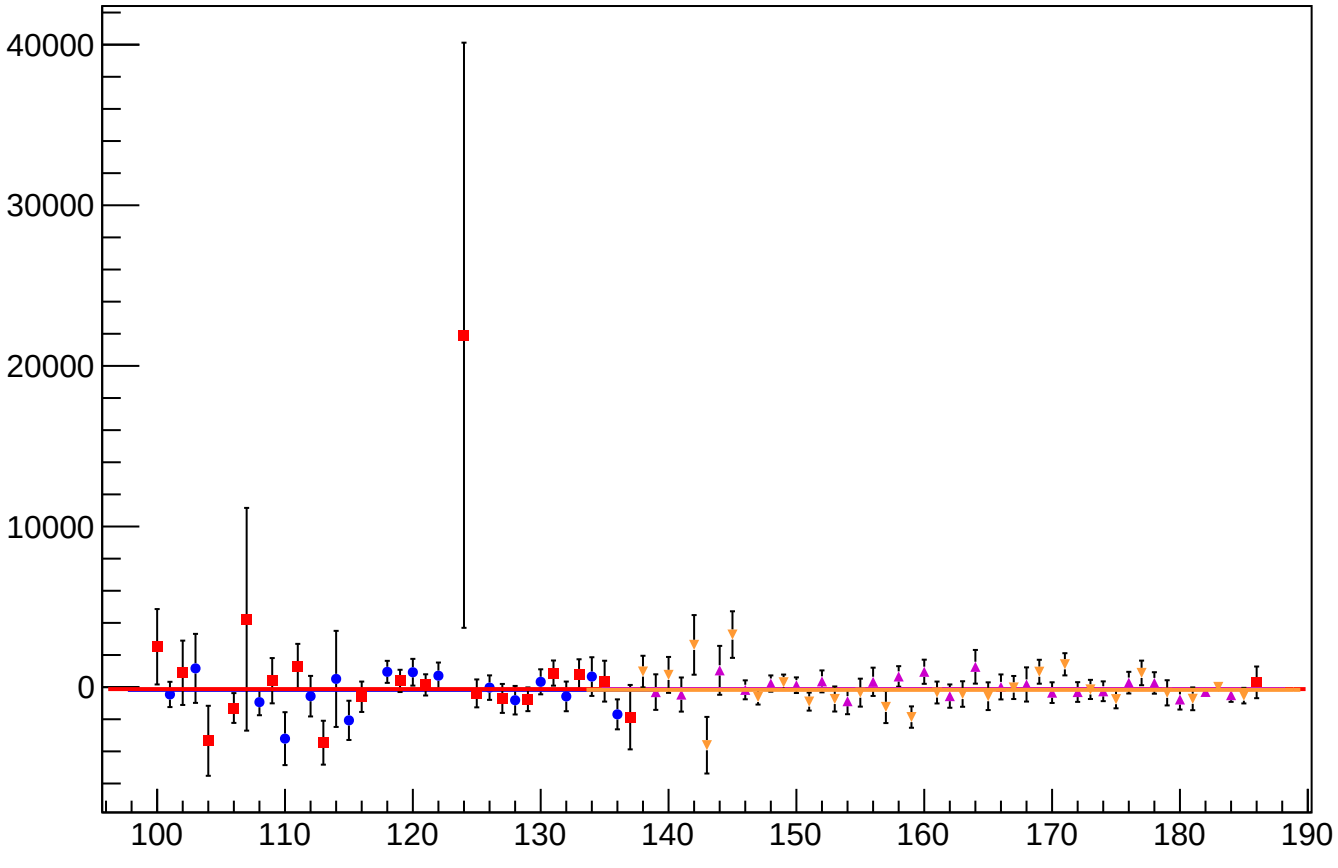
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1968.431+/-0.366 χ^2/NDF: 986040.2/35

In: 1850.746+/-0.261 χ^2/NDF:702632.3/38

Out: 1827.395+/-0.250 χ^2/NDF:619241.9/44

All: 1838.571+/-0.180 χ^2/NDF: 1326063.5/83



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

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

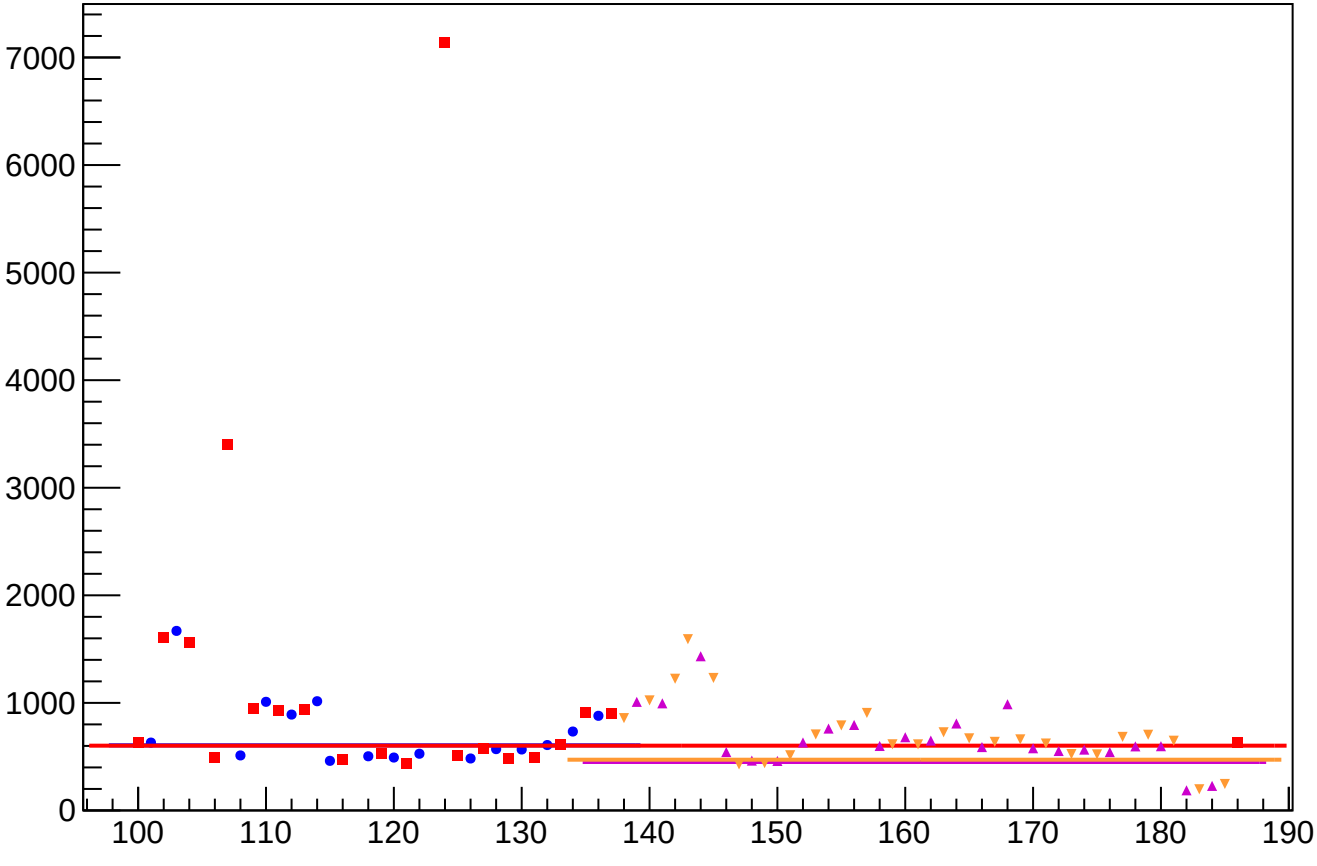
Right: -146.277+/-167.127 χ^2/NDF: 37.5/35

In: -128.114+/-106.889 χ^2/NDF:29.6/38

Out: -158.264+/-108.096 χ^2/NDF:58.7/44

All: -143.020+/-76.005 χ^2/NDF: 88.3/83

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 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

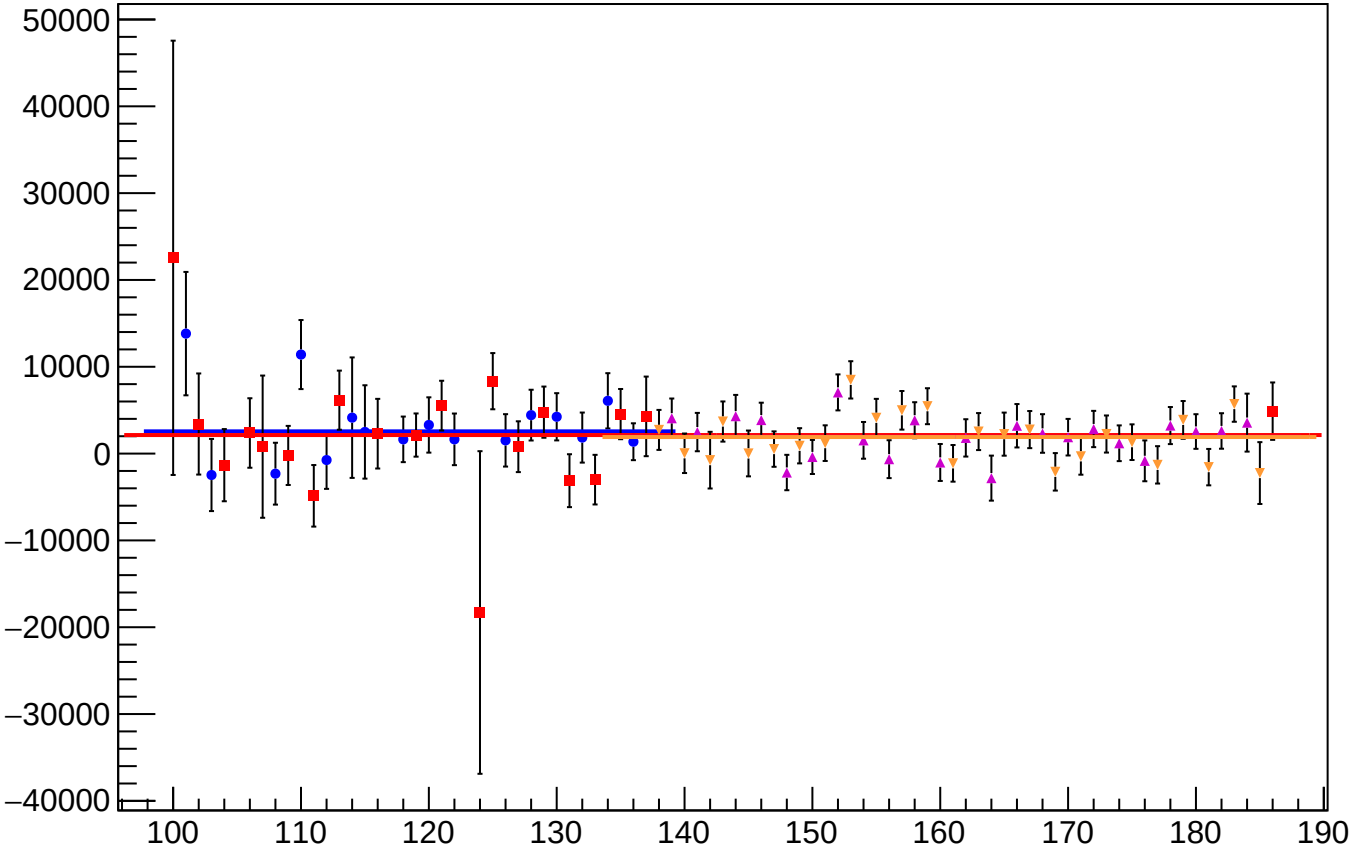
Right: 603.815+/-0.118 χ^2/NDF: 3493035.4/35

In: 482.159+/-0.076 χ^2/NDF:9770635.3/38

Out: 499.189+/-0.076 χ^2/NDF:10926446.3/44

All: 490.578+/-0.054 χ^2/NDF: 20722182.4/83

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

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

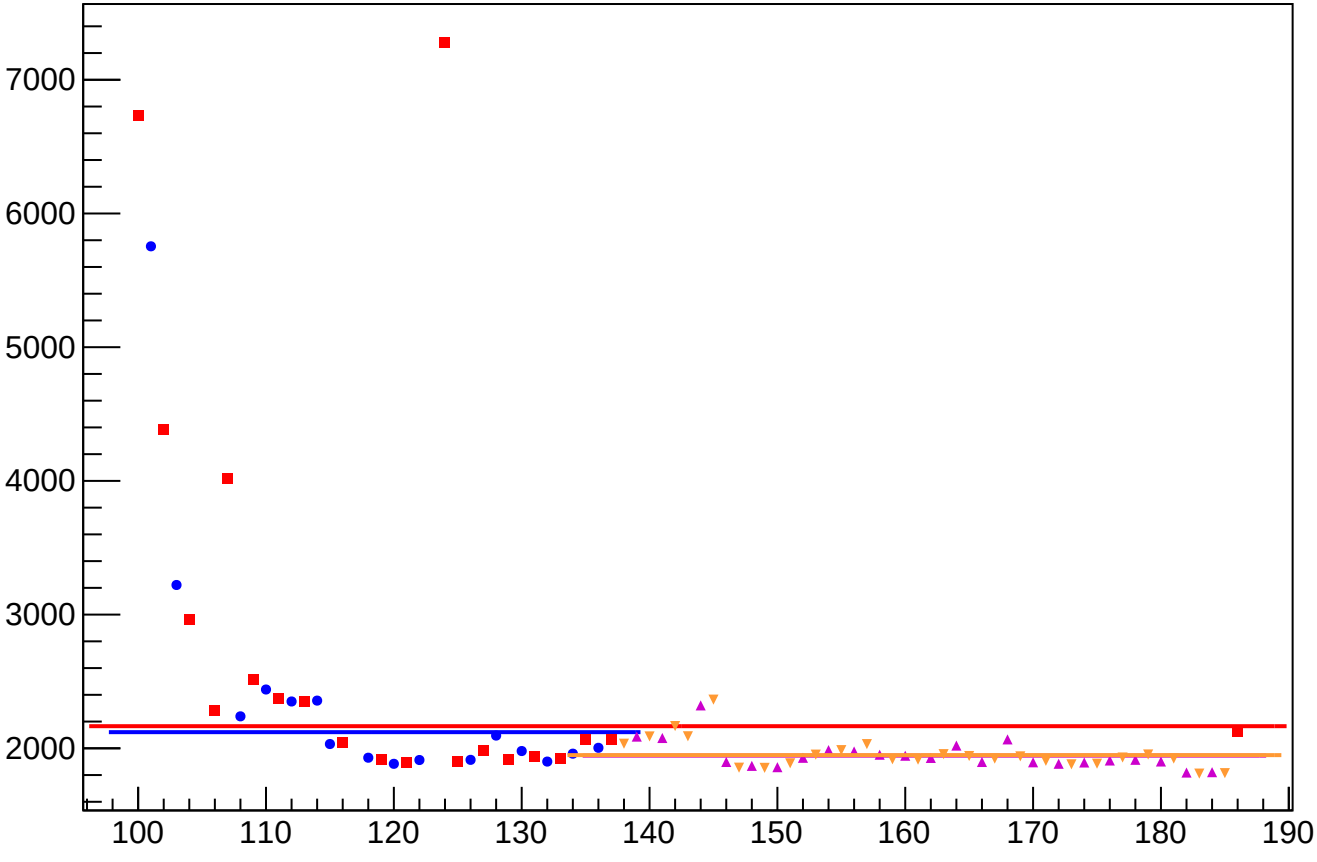
Right: 2344.341+/-567.195 χ^2/NDF: 37.1/35

In: 2078.770+/-396.578 χ^2/NDF:39.8/38

Out: 1961.558+/-387.303 χ^2/NDF:58.7/44

All: 2018.777+/-277.085 χ^2/NDF: 98.5/83

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

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

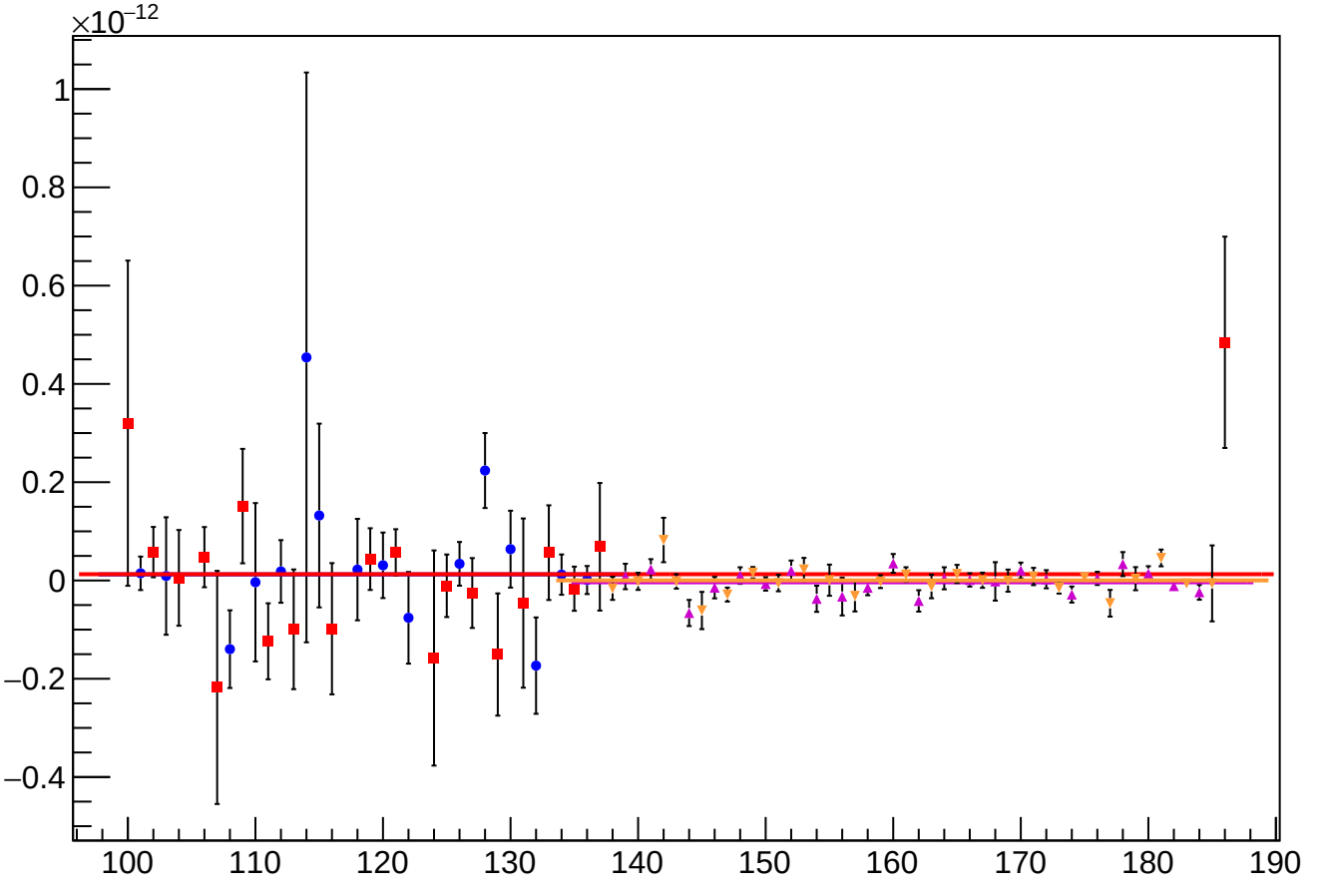
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2143.524+/-0.401 χ^2/NDF: 1587290.5/35

In: 1987.272+/-0.280 χ^2/NDF:927466.2/38

Out: 2000.395+/-0.274 χ^2/NDF:1045843.2/44

All: 1993.989+/-0.196 χ^2/NDF: 1974430.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

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

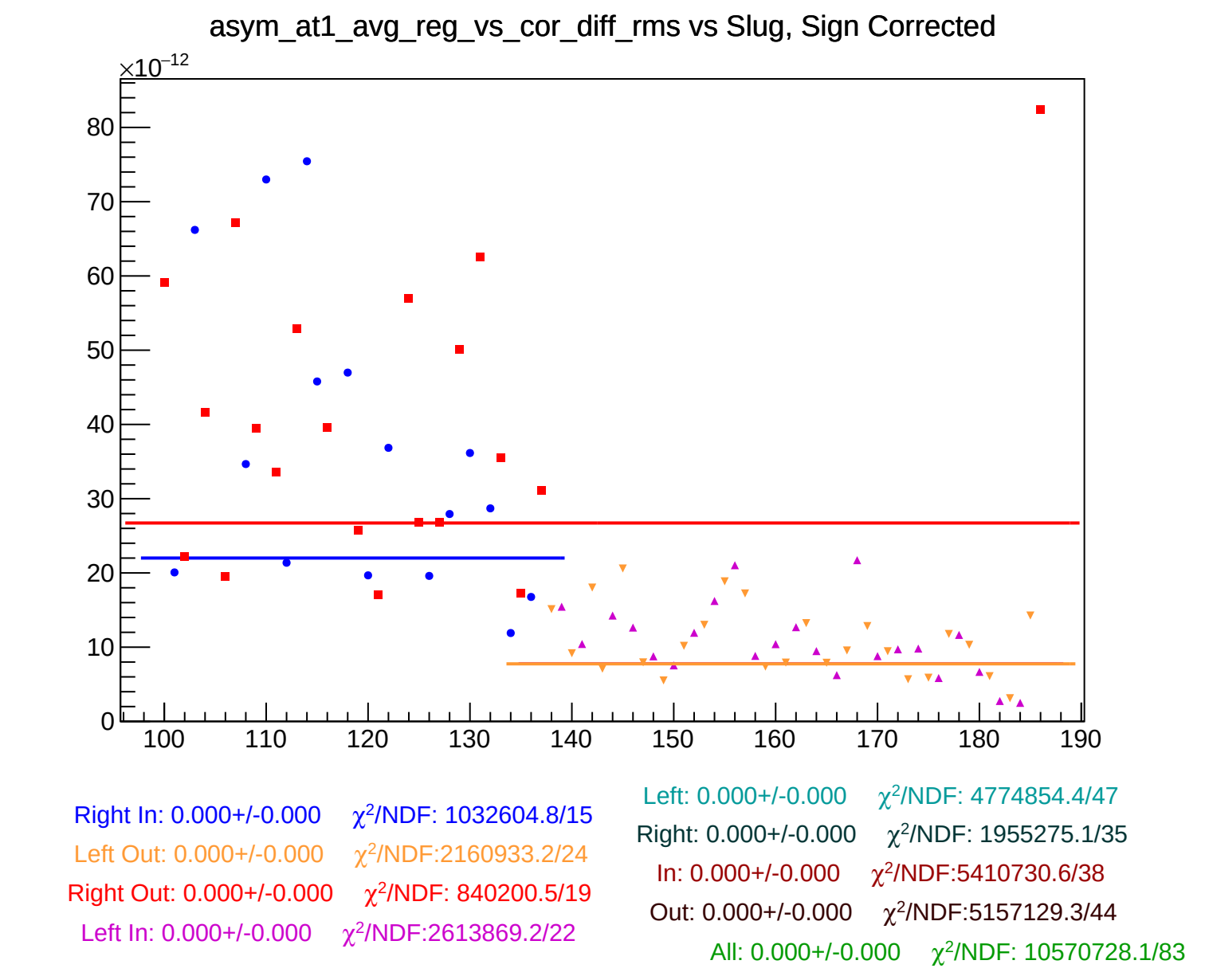
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 36.4/35

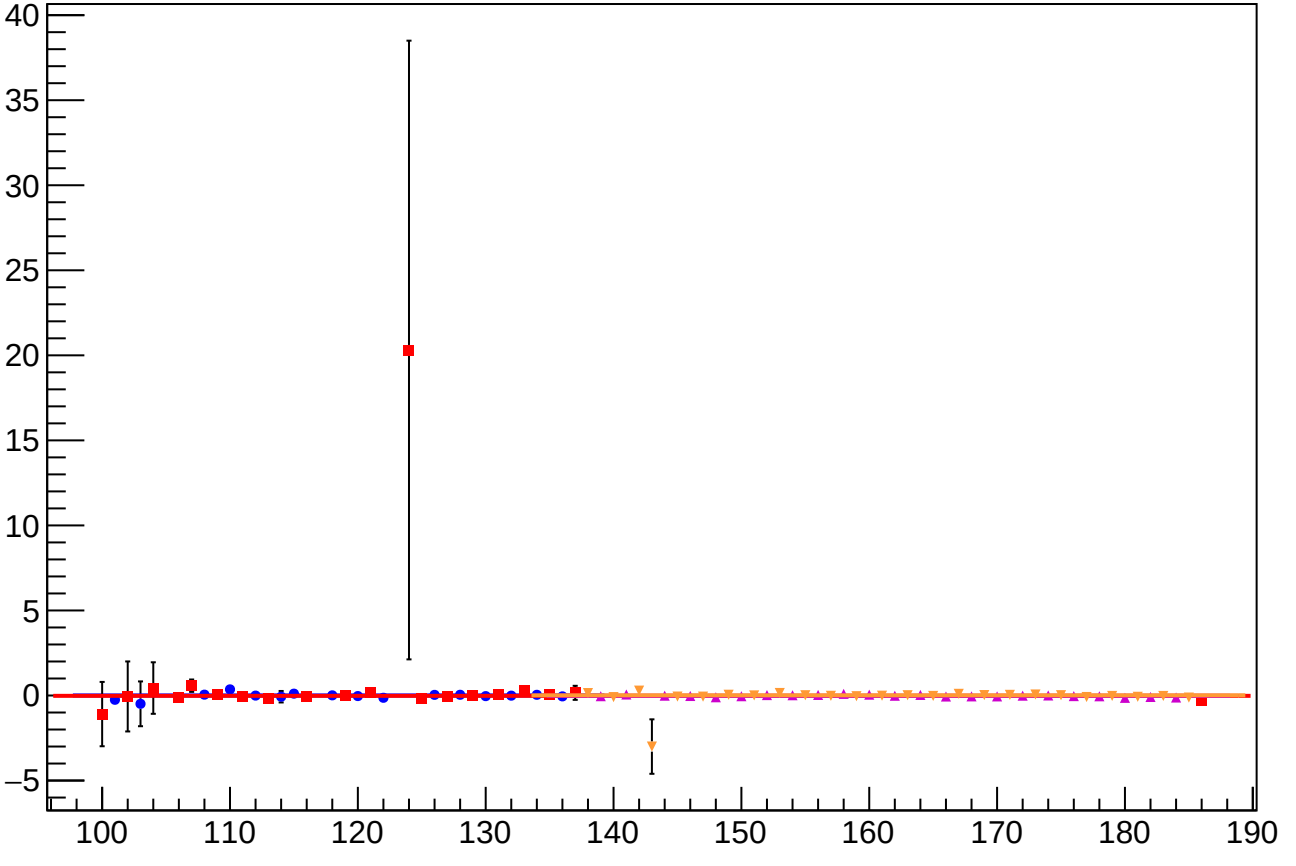
In: -0.000+/-0.000 χ^2/NDF:50.0/38

Out: 0.000+/-0.000 χ^2/NDF:47.8/44

All: -0.000+/-0.000 χ^2/NDF: 98.3/83


asym_at1_avg_reg_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: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 840200.5/19
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 1955275.1/35
In: 0.000+/-0.000 χ²/NDF:5410730.6/38
Out: 0.000+/-0.000 χ²/NDF:5157129.3/44
All: 0.000+/-0.000 χ²/NDF: 10570728.1/83

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-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

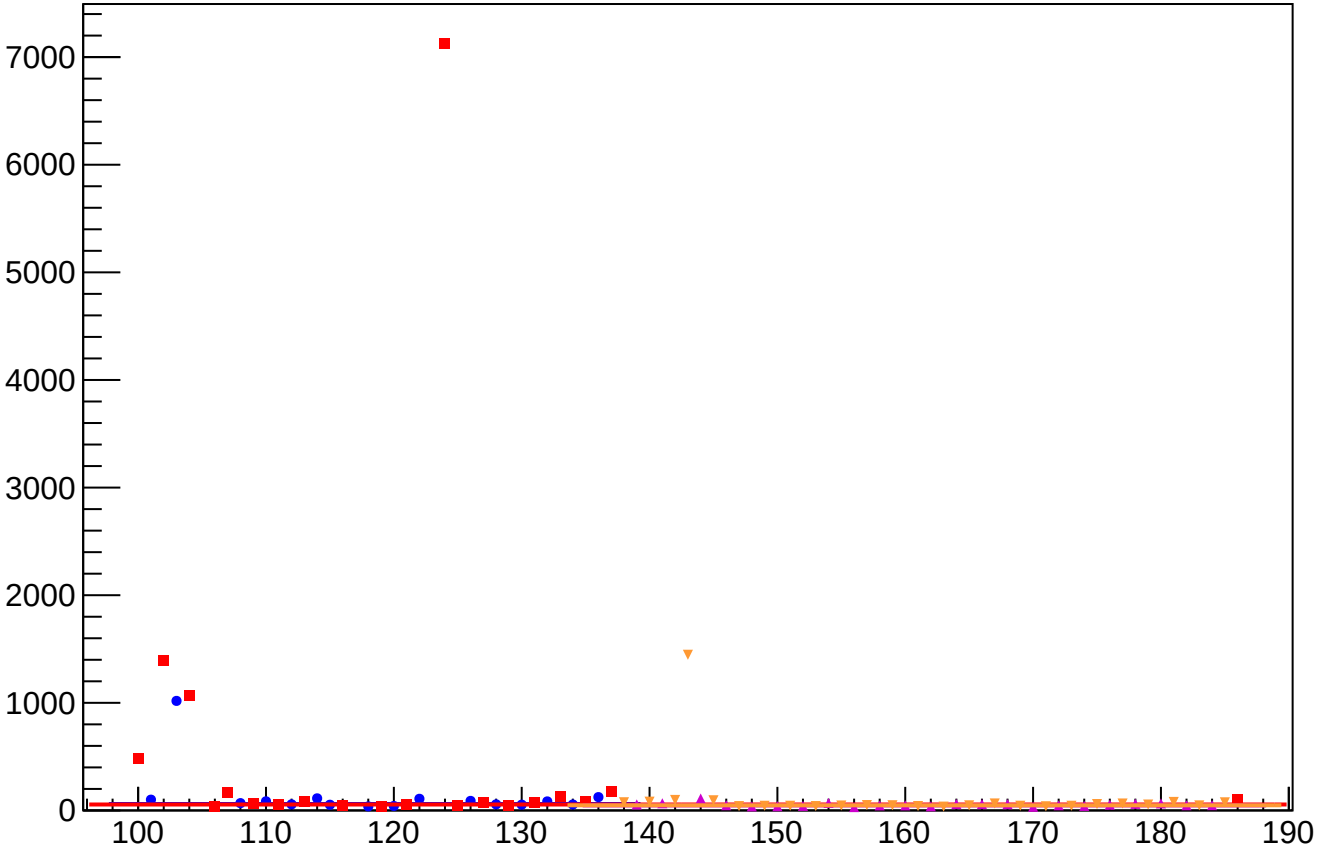
Right: -0.008+/-0.018 χ^2/NDF: 32.3/35

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.004+/-0.008 χ^2/NDF: 85.2/83

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

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

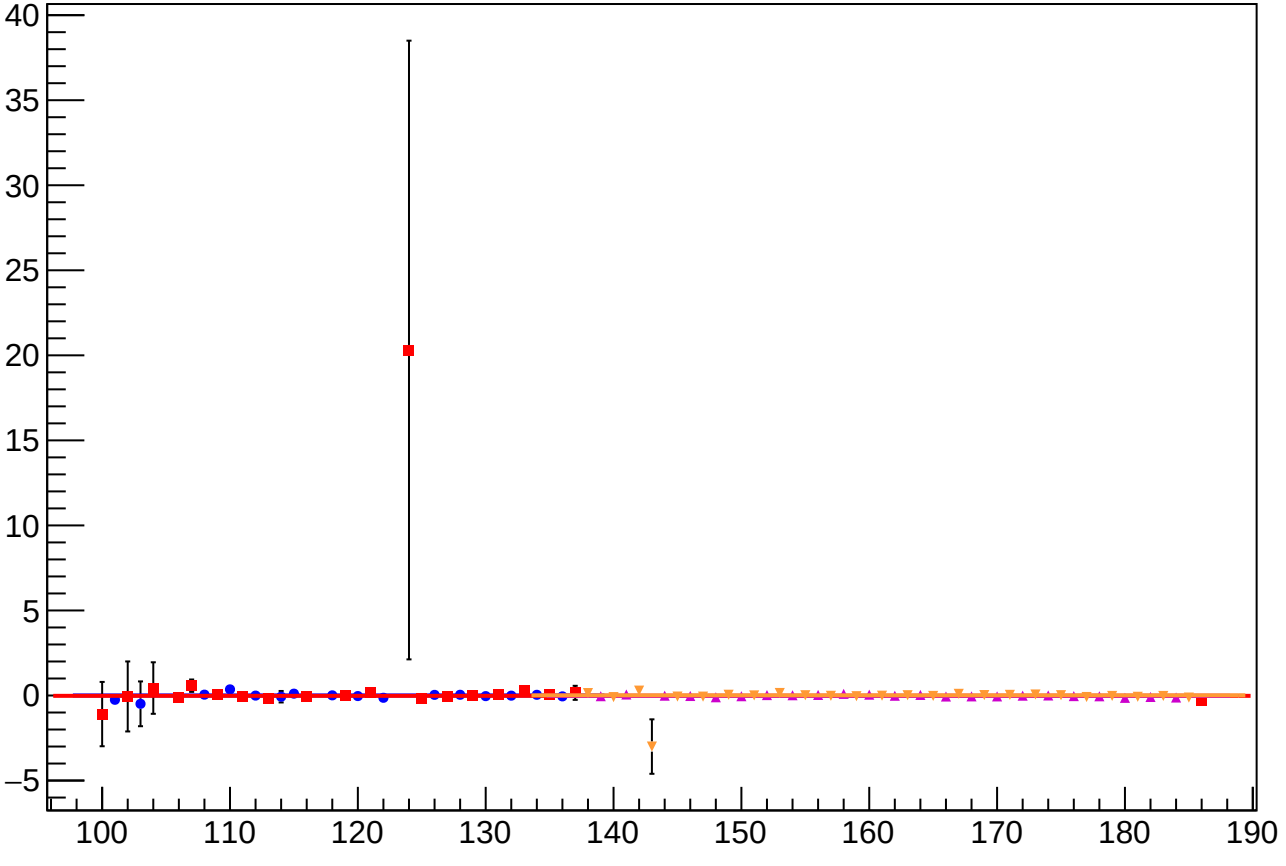
Right: 57.520+/-0.013 χ^2/NDF: 6257727.4/35

In: 49.055+/-0.008 χ^2/NDF:4882788.9/38

Out: 49.344+/-0.008 χ^2/NDF:7326569.8/44

All: 49.199+/-0.006 χ^2/NDF: 12210032.9/83

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-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

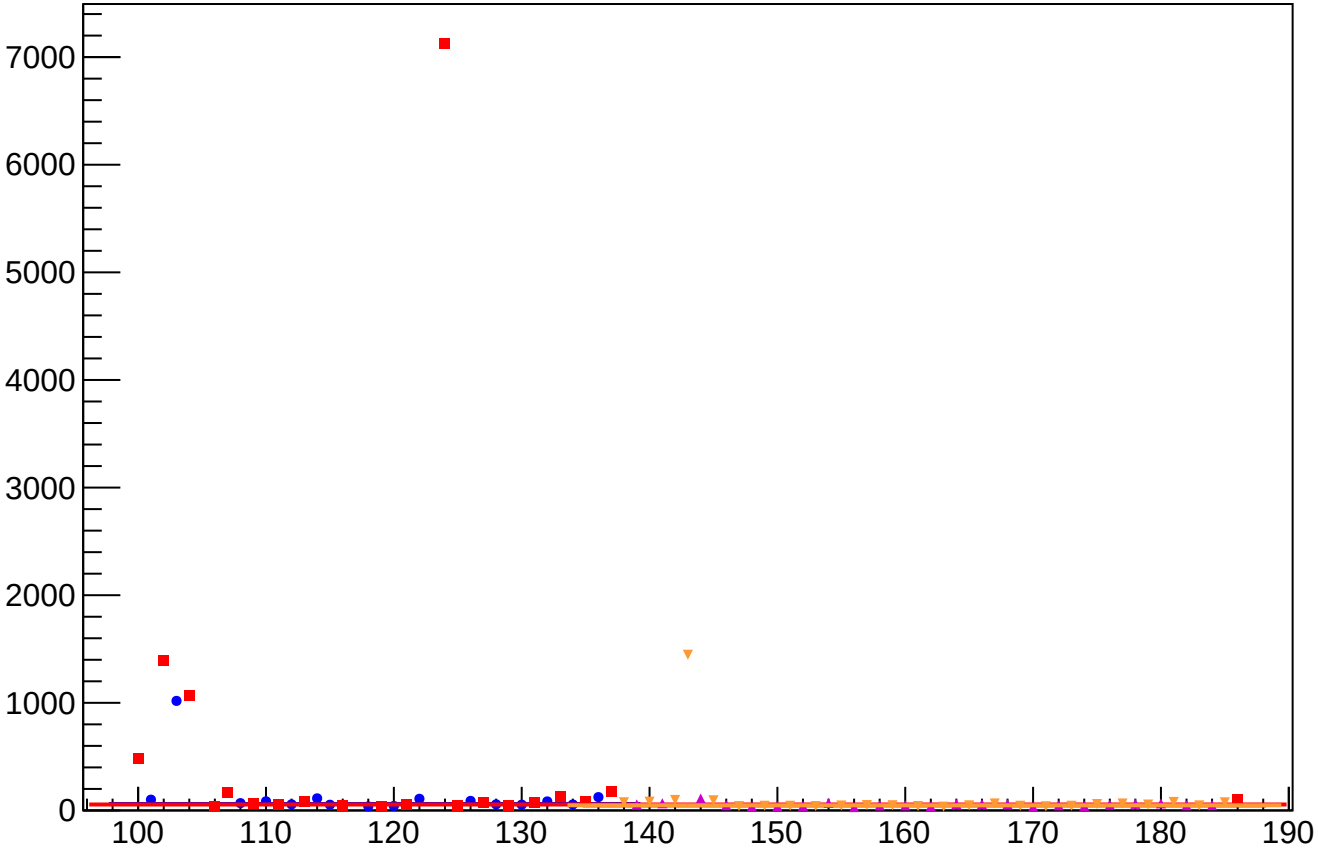
Right: -0.008+/-0.018 χ^2/NDF: 32.3/35

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.004+/-0.008 χ^2/NDF: 85.2/83

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 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

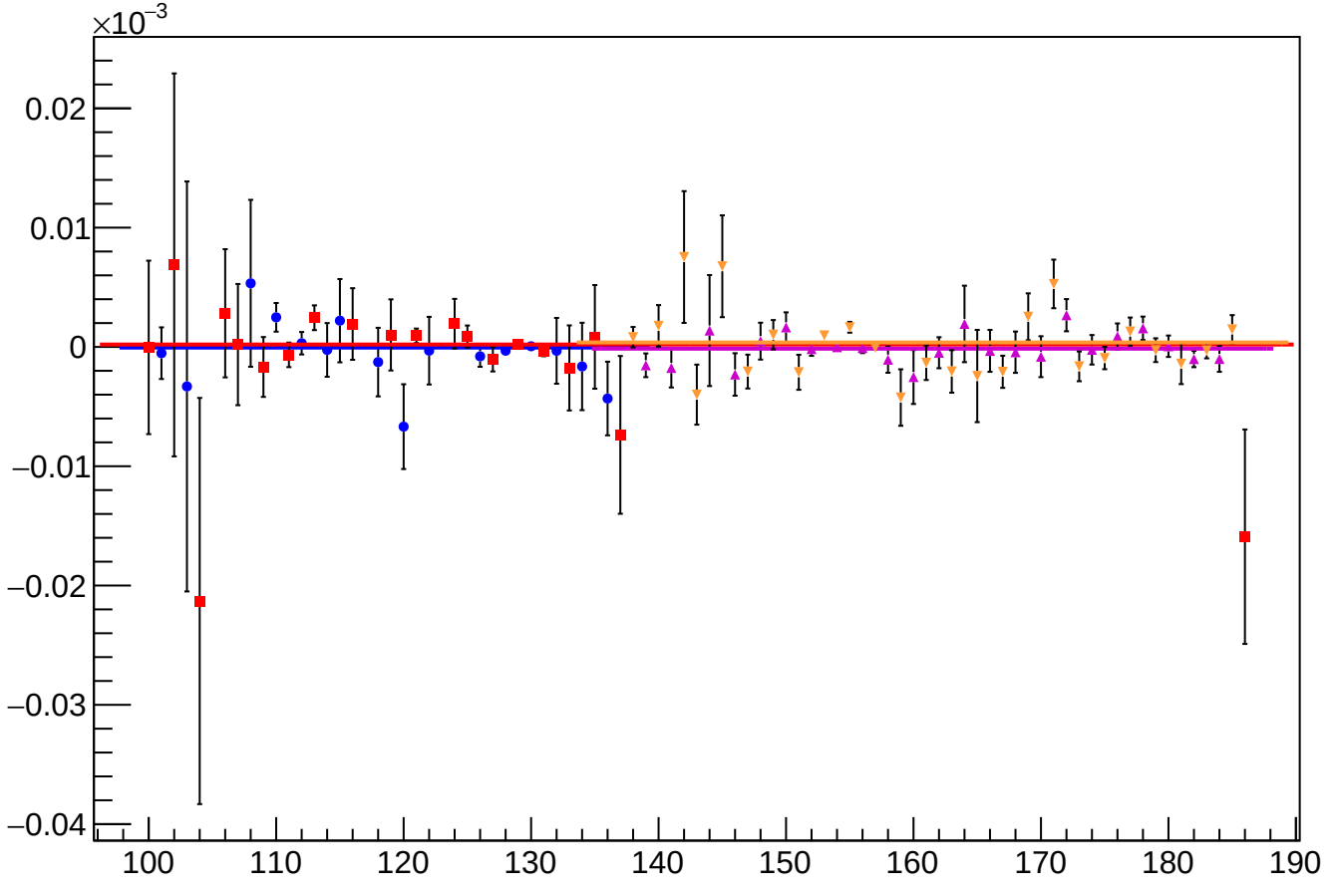
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 57.520+/-0.013 χ^2/NDF: 6257727.4/35

In: 49.055+/-0.008 χ^2/NDF:4882788.9/38

Out: 49.344+/-0.008 χ^2/NDF:7326569.8/44

All: 49.199+/-0.006 χ^2/NDF: 12210032.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

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

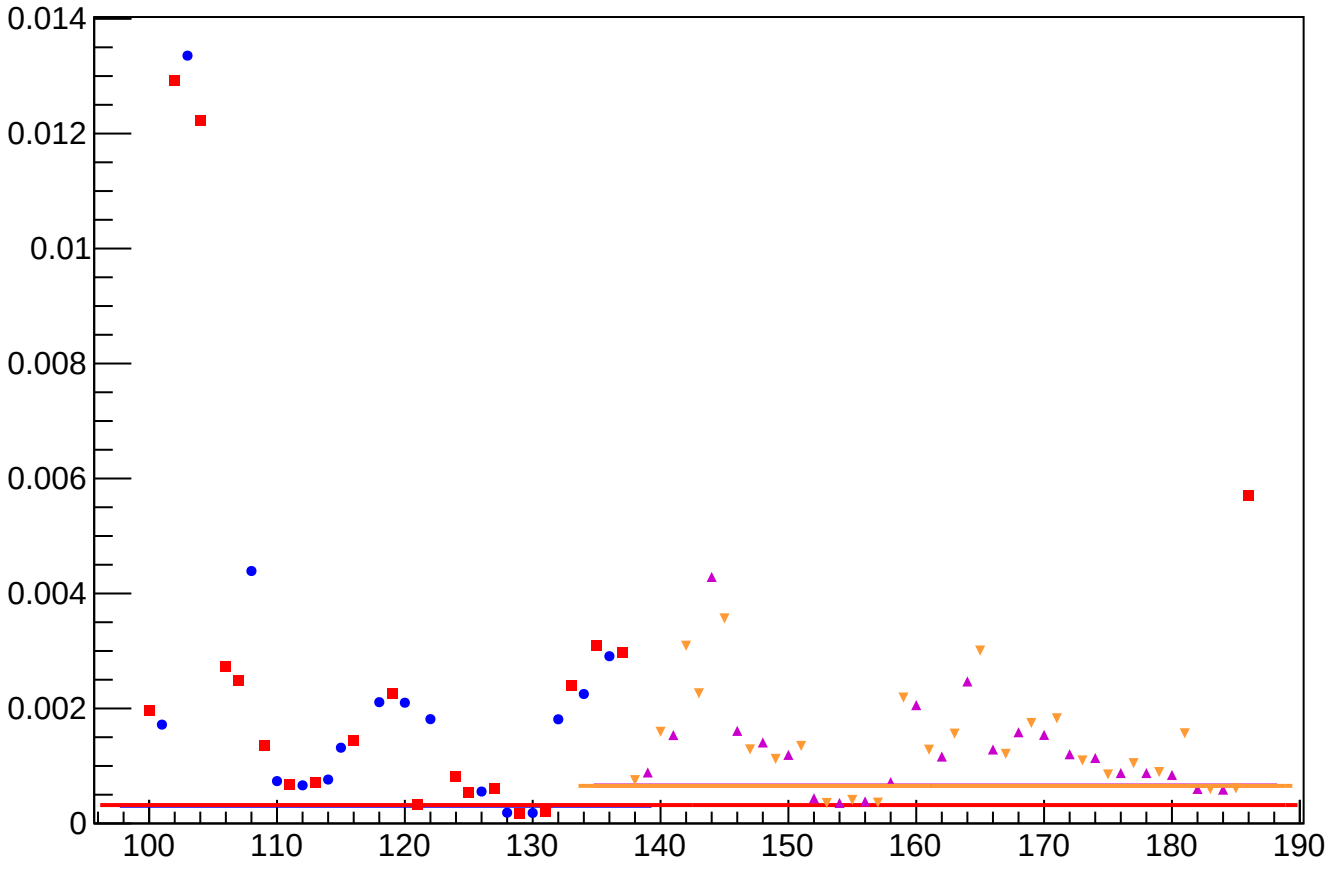
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 32.5/35

In: -0.000+/-0.000 χ^2/NDF:32.8/38

Out: 0.000+/-0.000 χ^2/NDF:71.0/44

All: 0.000+/-0.000 χ^2/NDF: 108.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

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

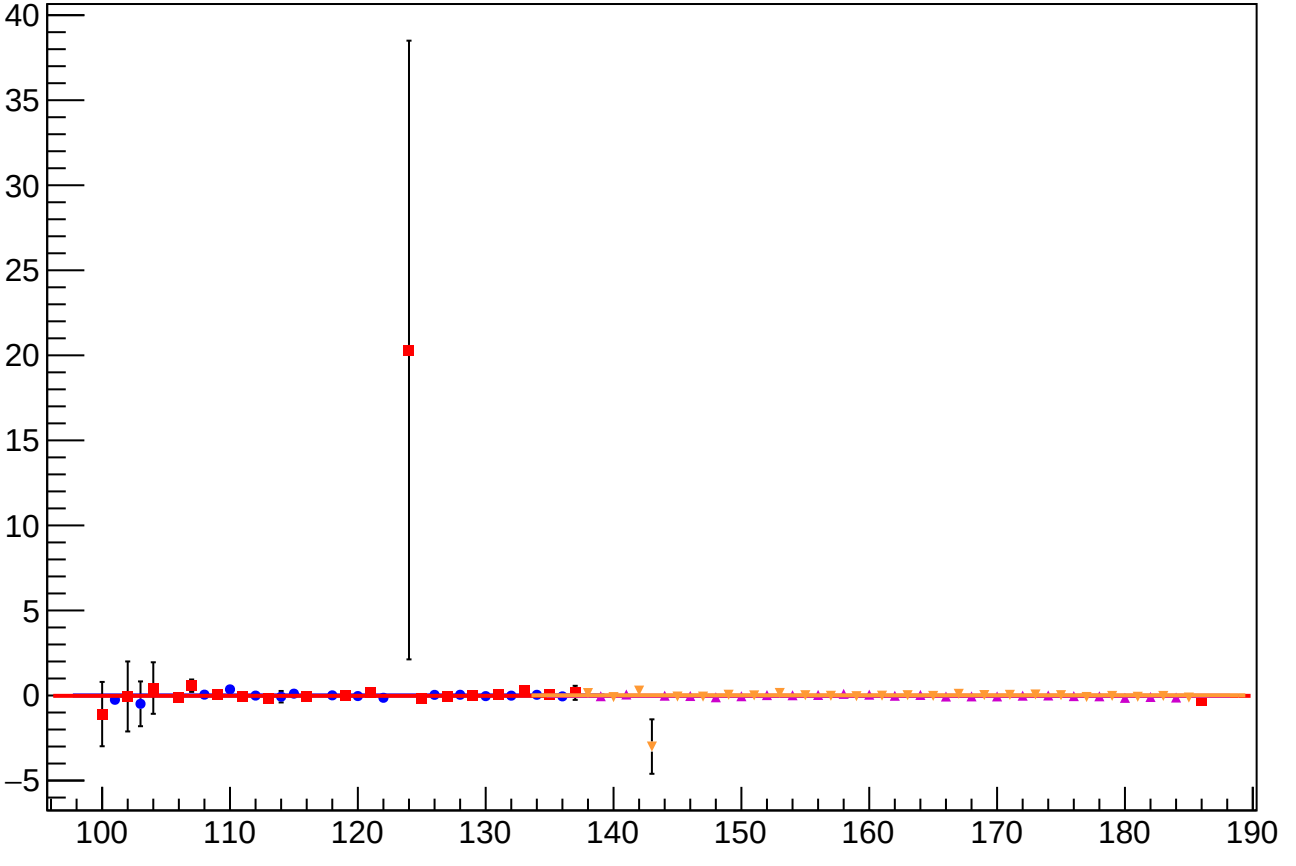
Right: 0.000+/-0.000 χ^2/NDF: 17491956.3/35

In: 0.000+/-0.000 χ^2/NDF:21868546.1/38

Out: 0.000+/-0.000 χ^2/NDF:23985137.6/44

All: 0.000+/-0.000 χ^2/NDF: 45855775.0/83

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-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

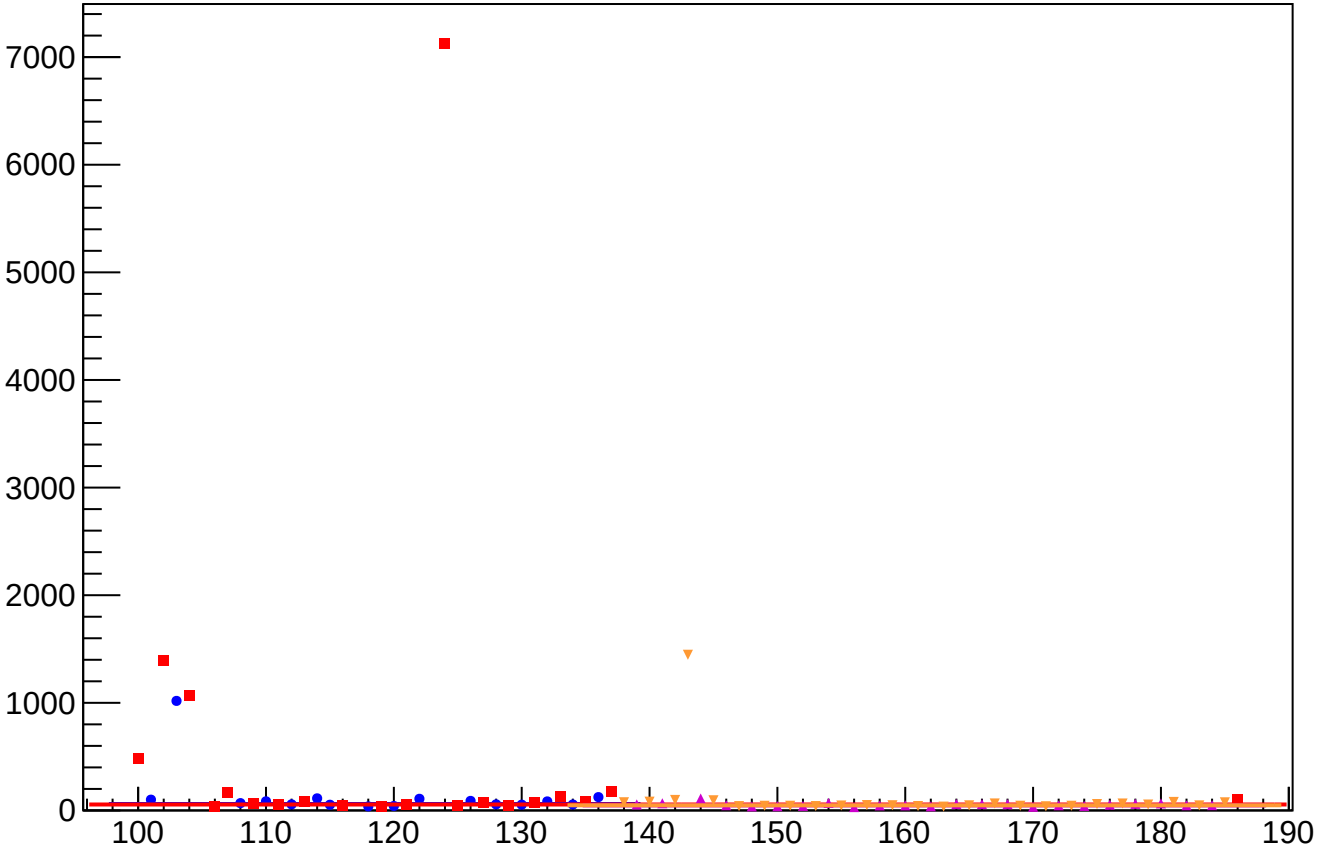
Right: -0.008+/-0.018 χ^2/NDF: 32.3/35

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.004+/-0.008 χ^2/NDF: 85.2/83

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 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

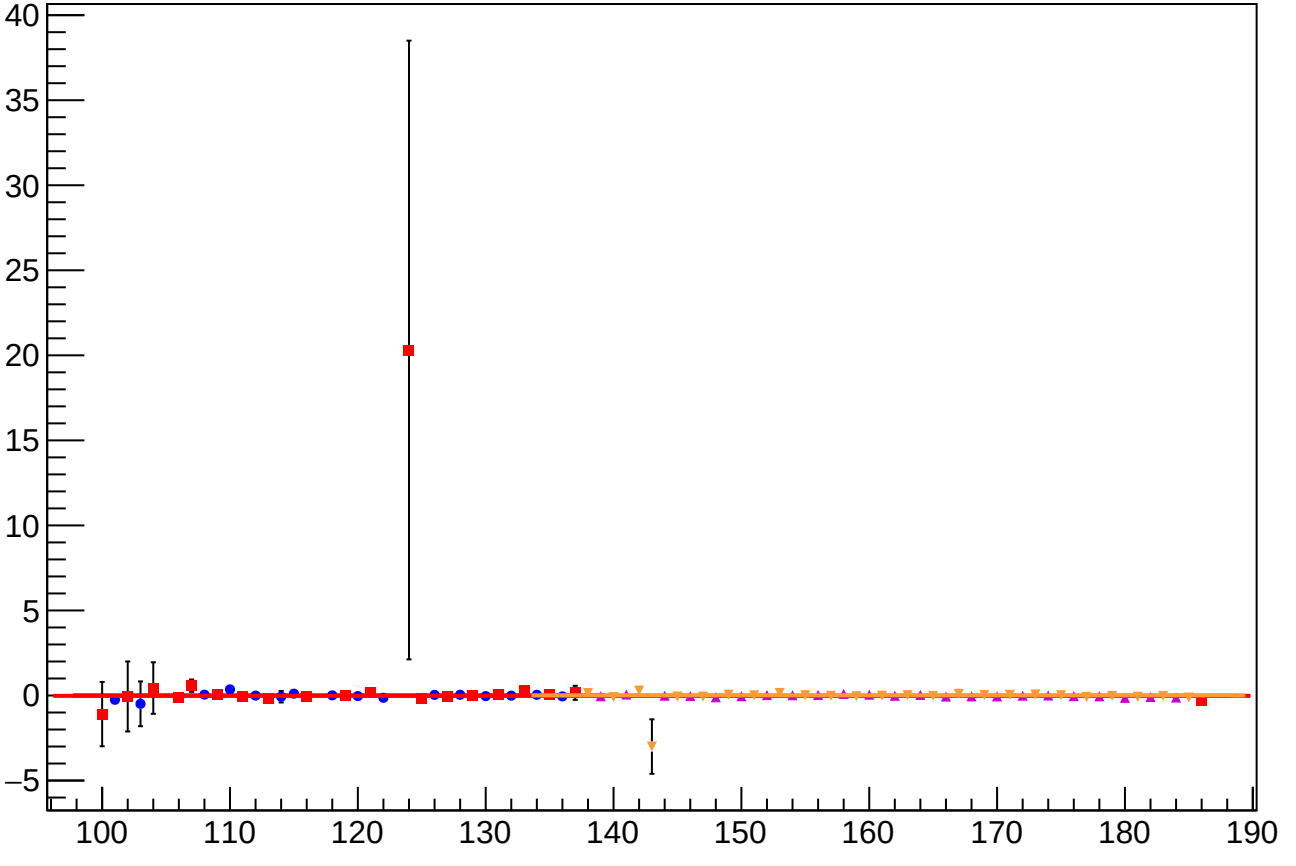
Right: 57.519+/-0.013 χ^2/NDF: 6257835.3/35

In: 49.055+/-0.008 χ^2/NDF:4882787.7/38

Out: 49.344+/-0.008 χ^2/NDF:7326583.5/44

All: 49.199+/-0.006 χ^2/NDF: 12210045.5/83

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.011+/-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

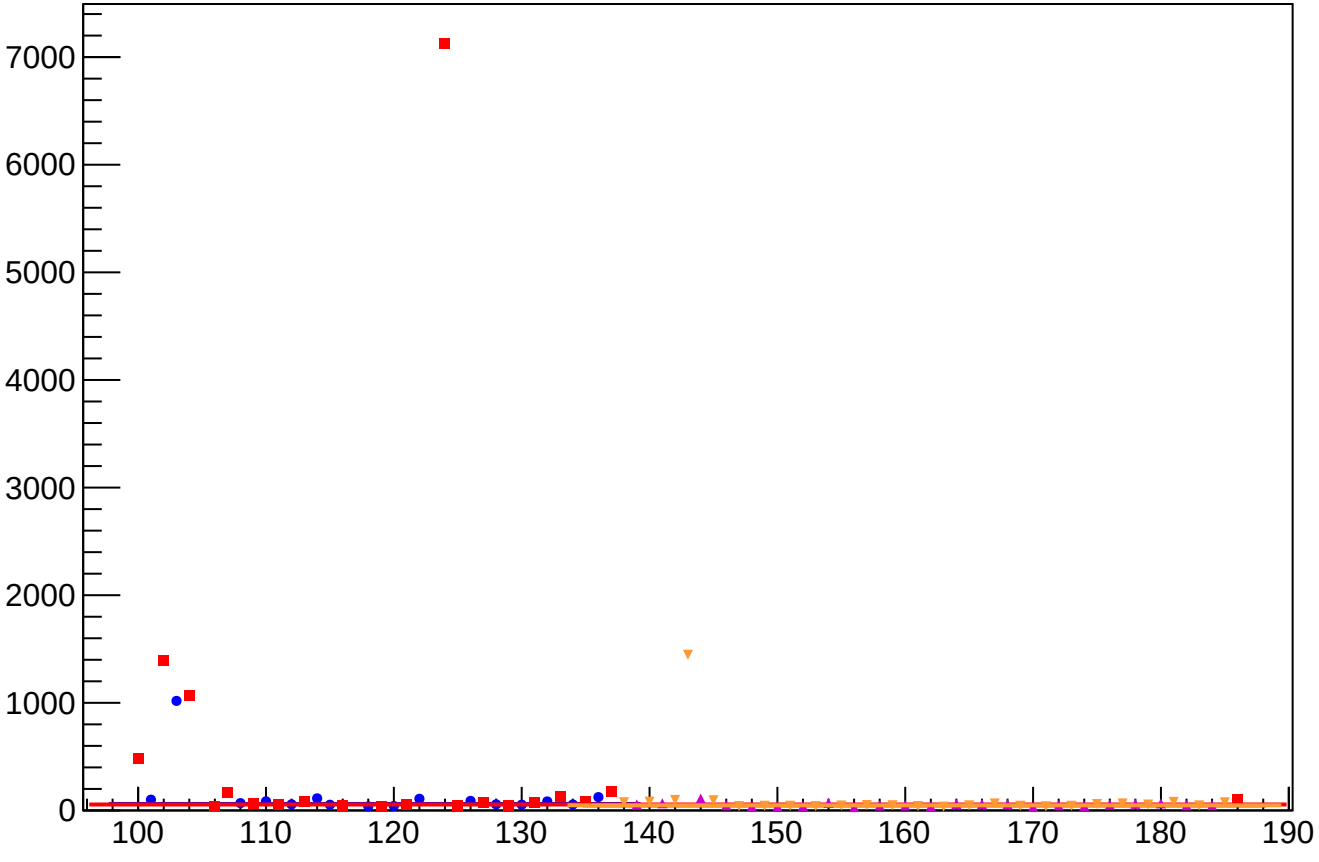
Right: -0.008+/-0.018 χ^2/NDF: 32.3/35

In: -0.014+/-0.011 χ^2/NDF:32.3/38

Out: 0.005+/-0.011 χ^2/NDF:51.4/44

All: -0.004+/-0.008 χ^2/NDF: 85.2/83

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 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

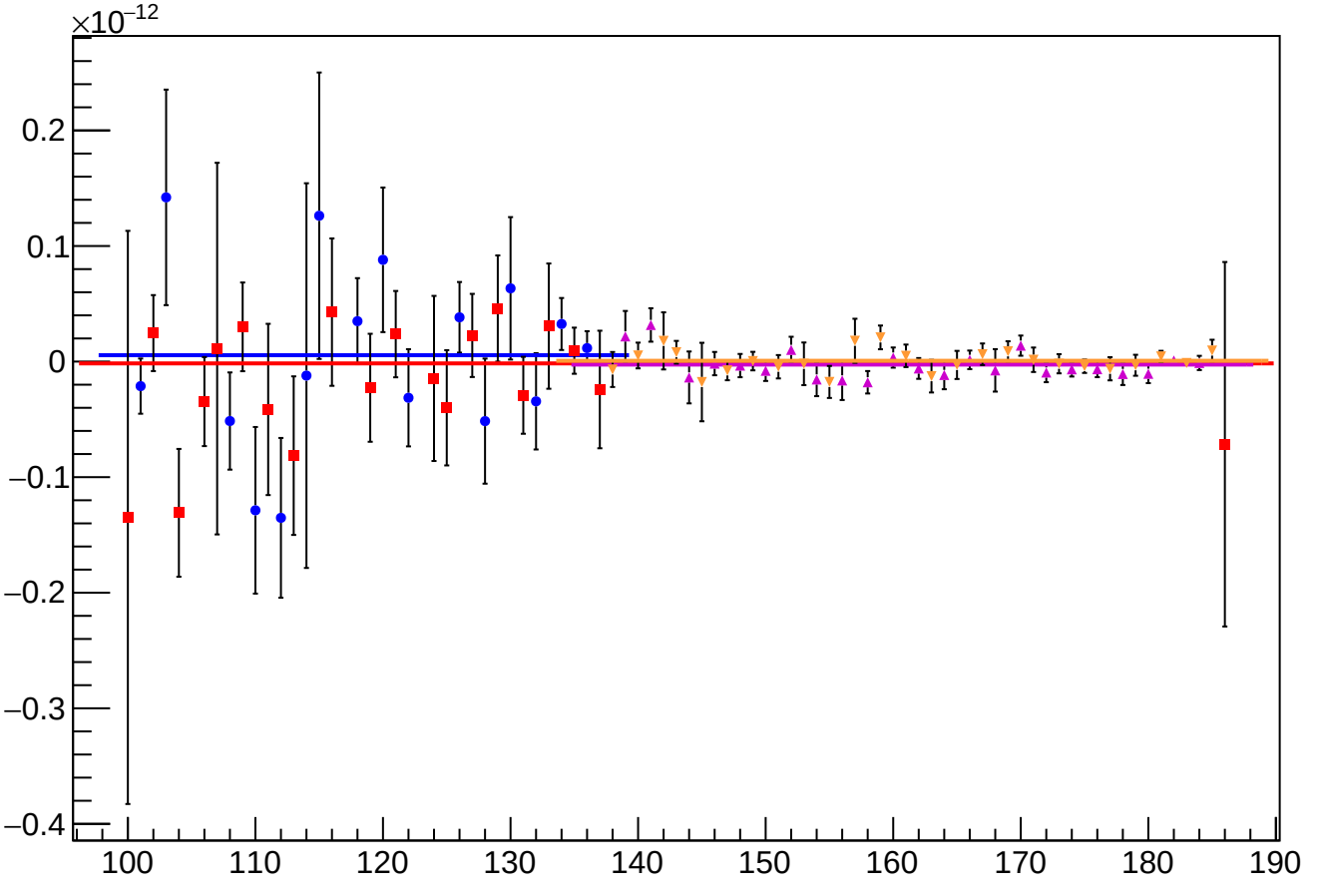
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 57.519+/-0.013 χ^2/NDF: 6257835.3/35

In: 49.055+/-0.008 χ^2/NDF:4882787.7/38

Out: 49.344+/-0.008 χ^2/NDF:7326583.5/44

All: 49.199+/-0.006 χ^2/NDF: 12210045.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/19

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

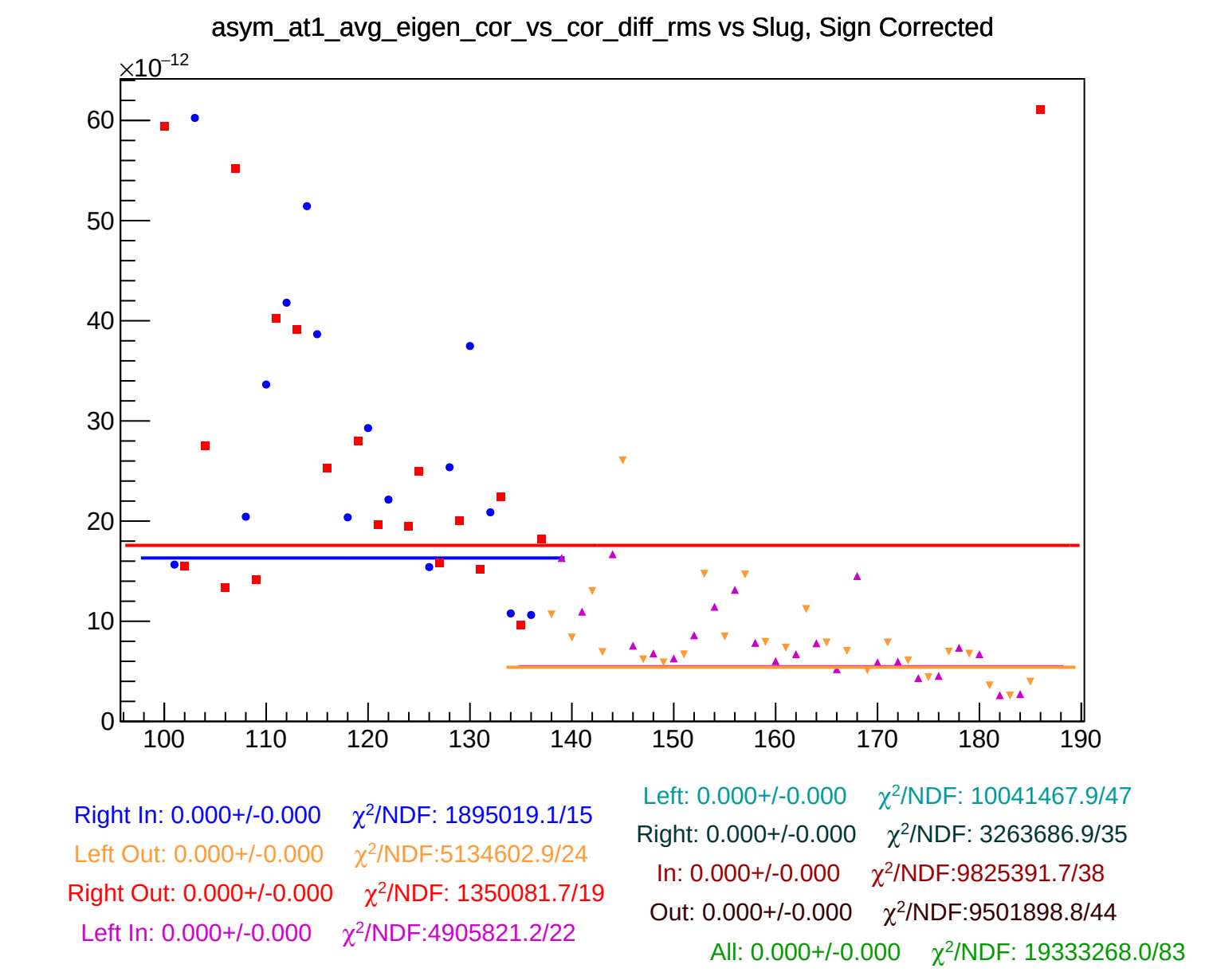
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

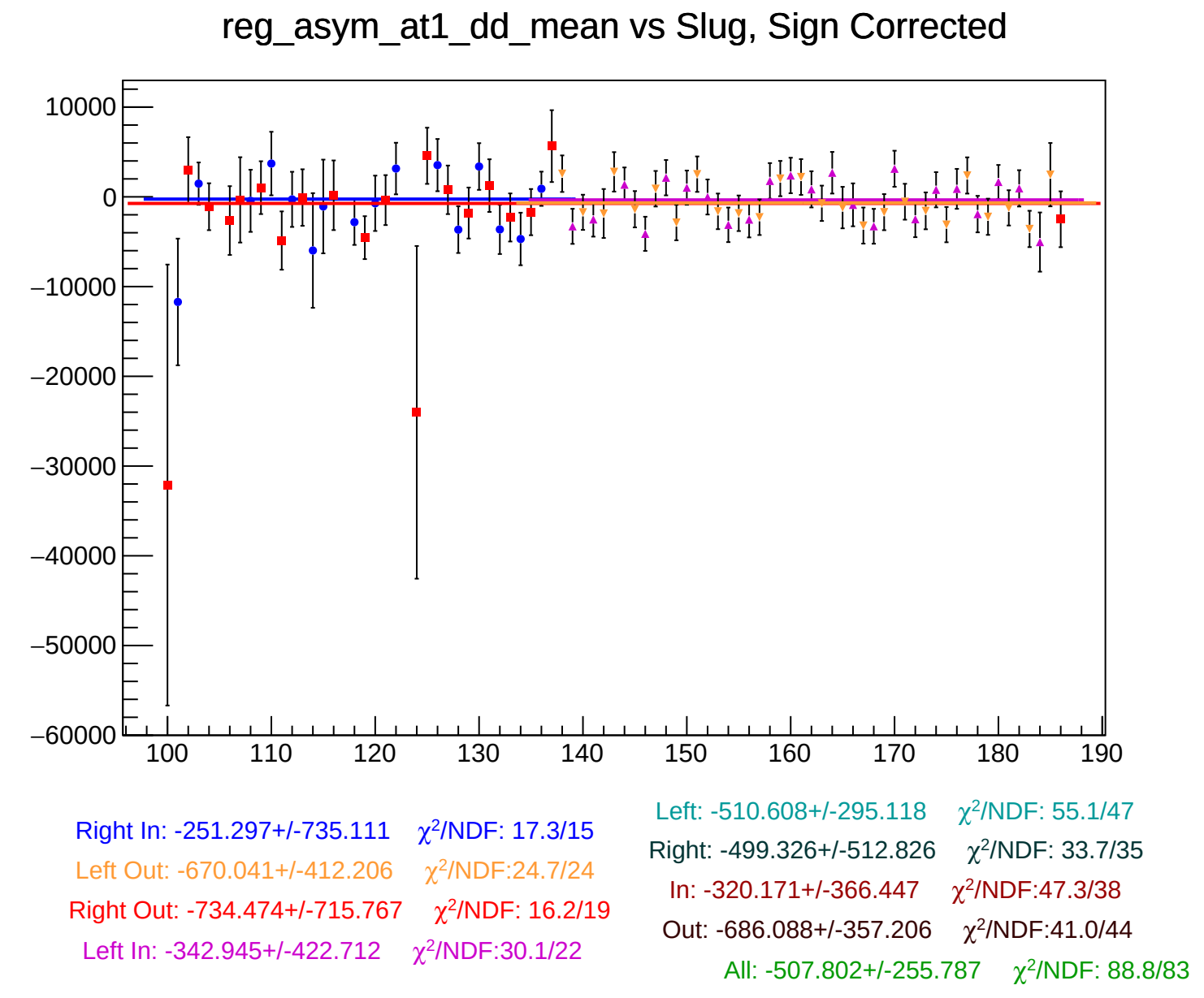
Right: 0.000+/-0.000 χ^2/NDF: 37.4/35

In: -0.000+/-0.000 χ^2/NDF:45.2/38

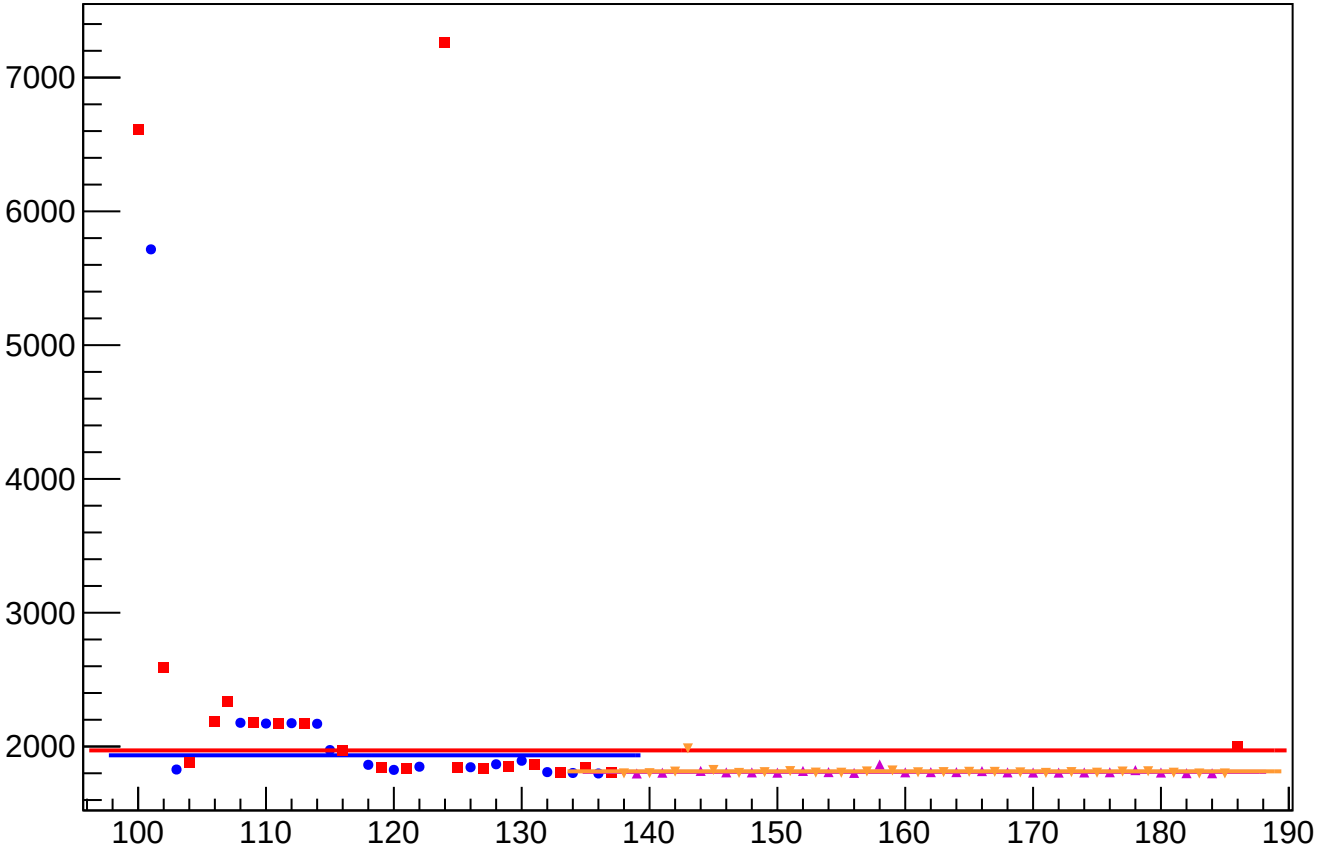
Out: 0.000+/-0.000 χ^2/NDF:29.7/44

All: -0.000+/-0.000 χ^2/NDF: 76.3/83


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: 1895019.1/15
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: 3263686.9/35
In: 0.000+/-0.000 χ²/NDF:9825391.7/38
Out: 0.000+/-0.000 χ²/NDF:9501898.8/44
All: 0.000+/-0.000 χ²/NDF: 19333268.0/83


reg_asym_at1_dd_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: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -670.041+/-412.206 χ²/NDF:24.7/24
Right Out: -734.474+/-715.767 χ²/NDF: 16.2/19
Left In: -342.945+/-422.712 χ²/NDF:30.1/22
Left: -510.608+/-295.118 χ²/NDF: 55.1/47
Right: -499.326+/-512.826 χ²/NDF: 33.7/35
In: -320.171+/-366.447 χ²/NDF:47.3/38
Out: -686.088+/-357.206 χ²/NDF:41.0/44
All: -507.802+/-255.787 χ²/NDF: 88.8/83

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

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

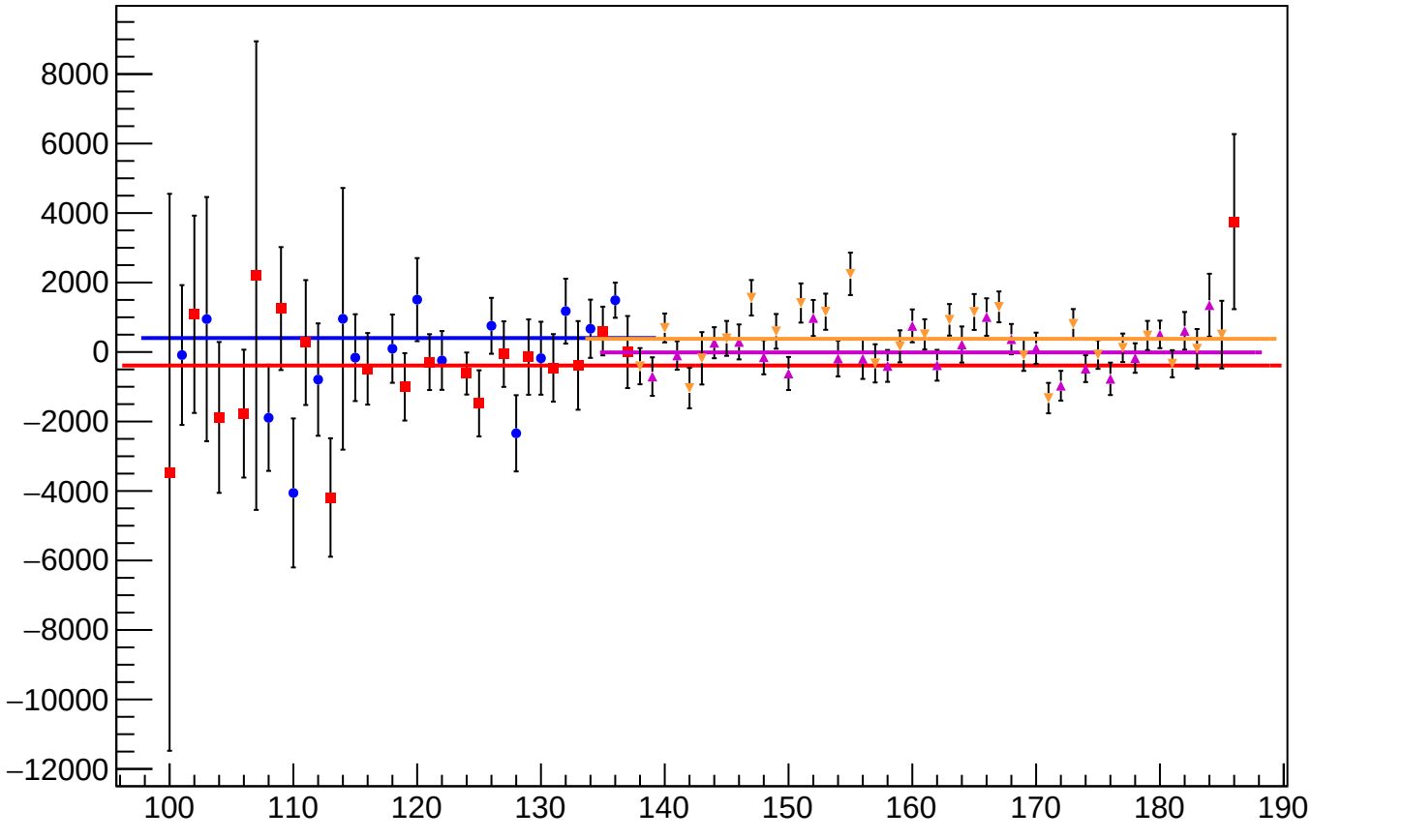
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1953.076+/-0.363 χ^2/NDF: 1021077.7/35

In: 1841.211+/-0.259 χ^2/NDF:684487.3/38

Out: 1853.417+/-0.253 χ^2/NDF:463515.0/44

All: 1847.470+/-0.181 χ^2/NDF: 1149140.2/83



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

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

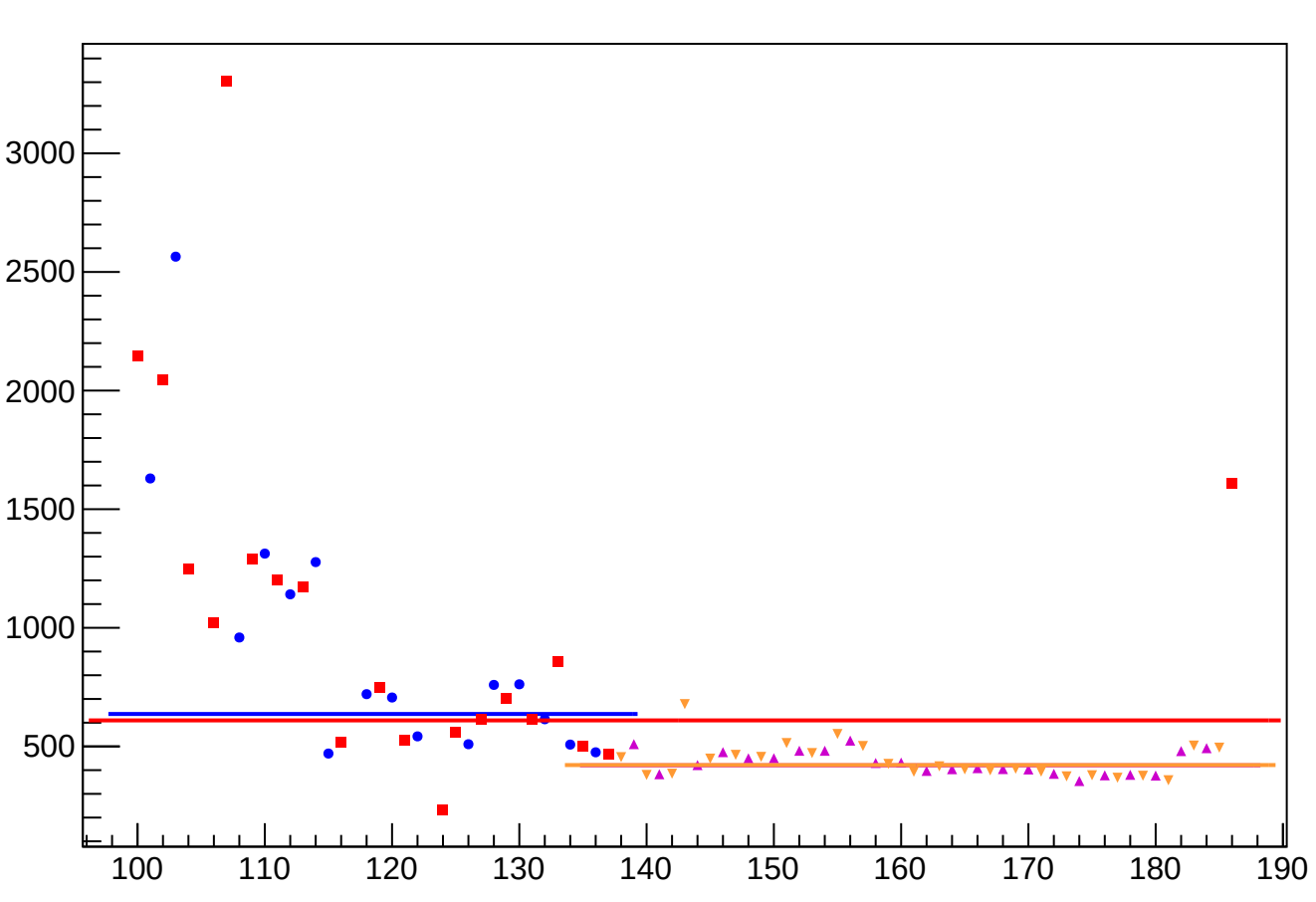
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: -3.739+/-180.308 χ^2/NDF: 40.4/35

In: 41.399+/-92.436 χ^2/NDF:54.5/38

Out: 279.959+/-90.515 χ^2/NDF:84.9/44

All: 163.182+/-64.672 χ^2/NDF: 142.8/83



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

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

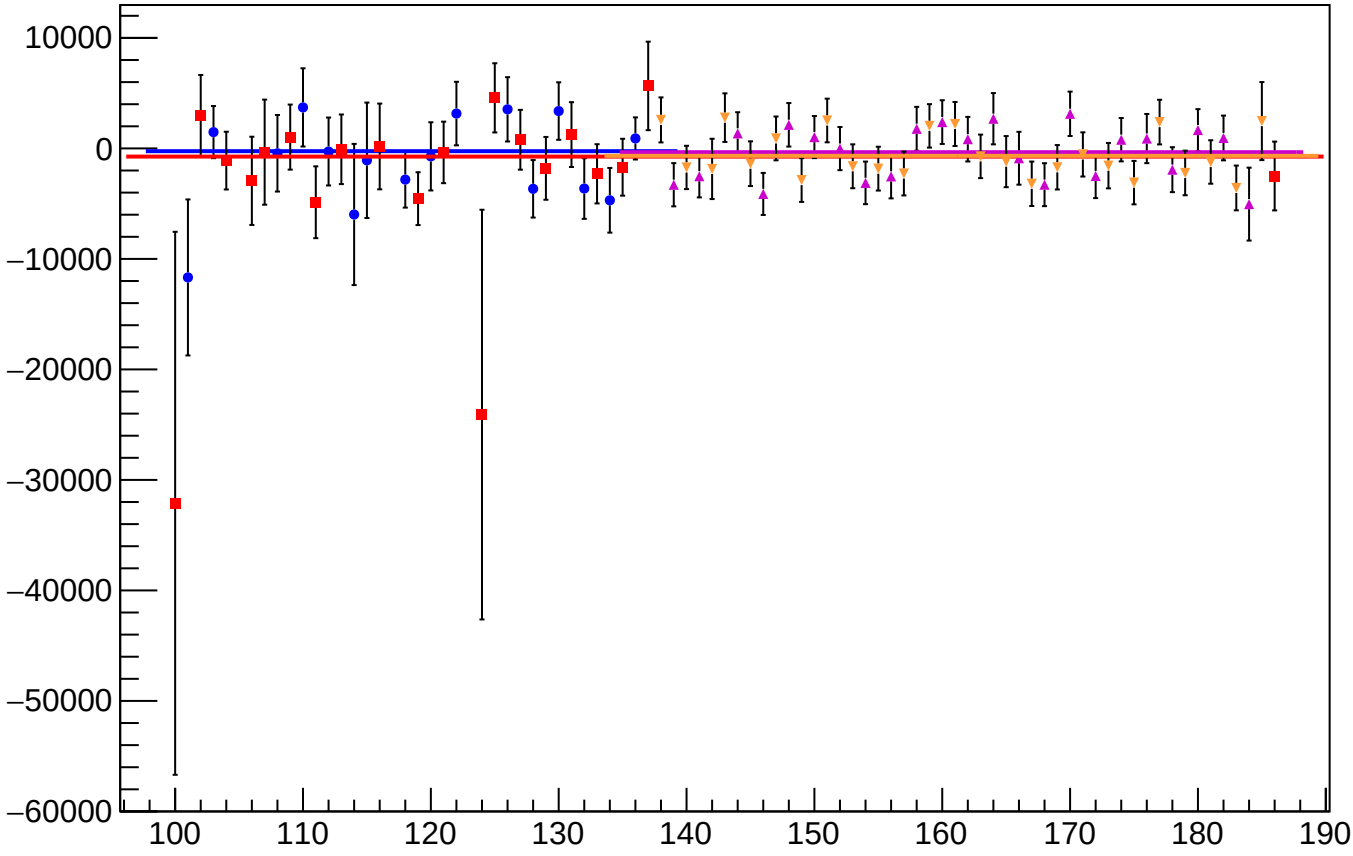
Right: 622.834+/-0.127 χ^2/NDF: 5340919.2/35

In: 447.887+/-0.065 χ^2/NDF:3702679.3/38

Out: 445.795+/-0.064 χ^2/NDF:4981322.6/44

All: 446.819+/-0.046 χ^2/NDF: 8684525.0/83

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

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

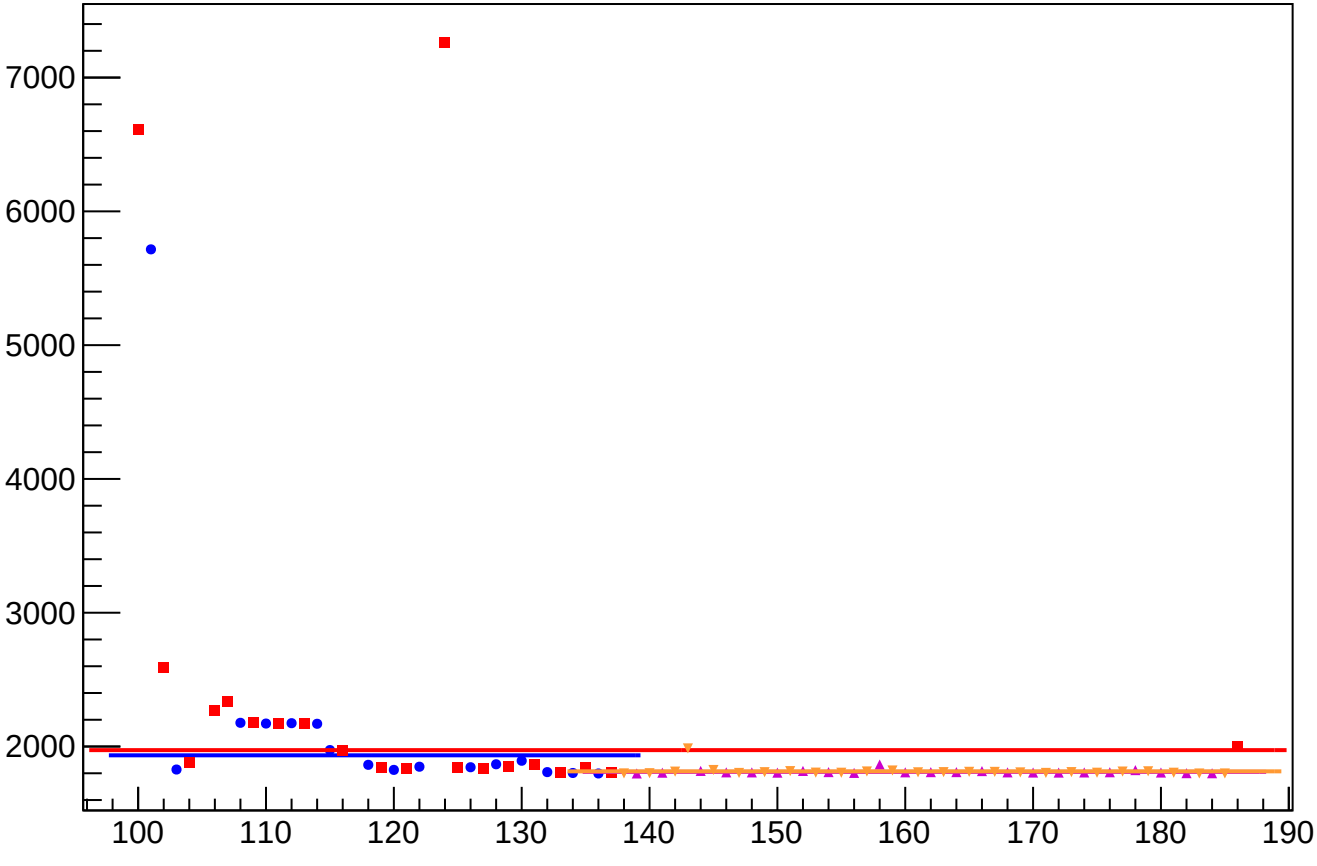
Right: -501.063+/-513.189 χ^2/NDF: 33.8/35

In: -320.003+/-366.447 χ^2/NDF:47.3/38

Out: -687.242+/-357.328 χ^2/NDF:41.1/44

All: -508.249+/-255.832 χ^2/NDF: 88.9/83

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

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

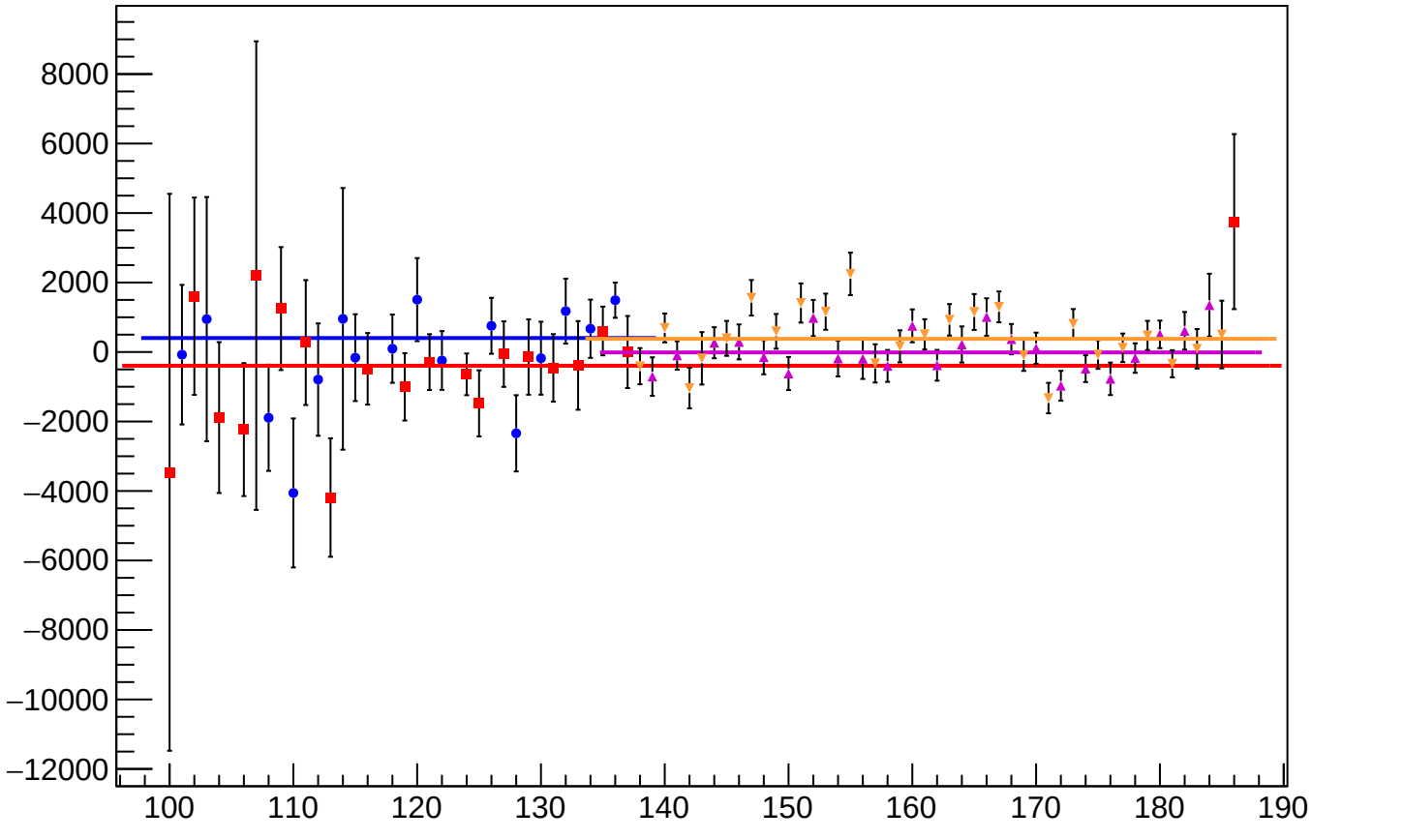
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1954.098+/-0.363 χ^2/NDF: 1026137.7/35

In: 1841.211+/-0.259 χ^2/NDF:684487.2/38

Out: 1853.844+/-0.253 χ^2/NDF:470020.7/44

All: 1847.687+/-0.181 χ^2/NDF: 1155726.4/83



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

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

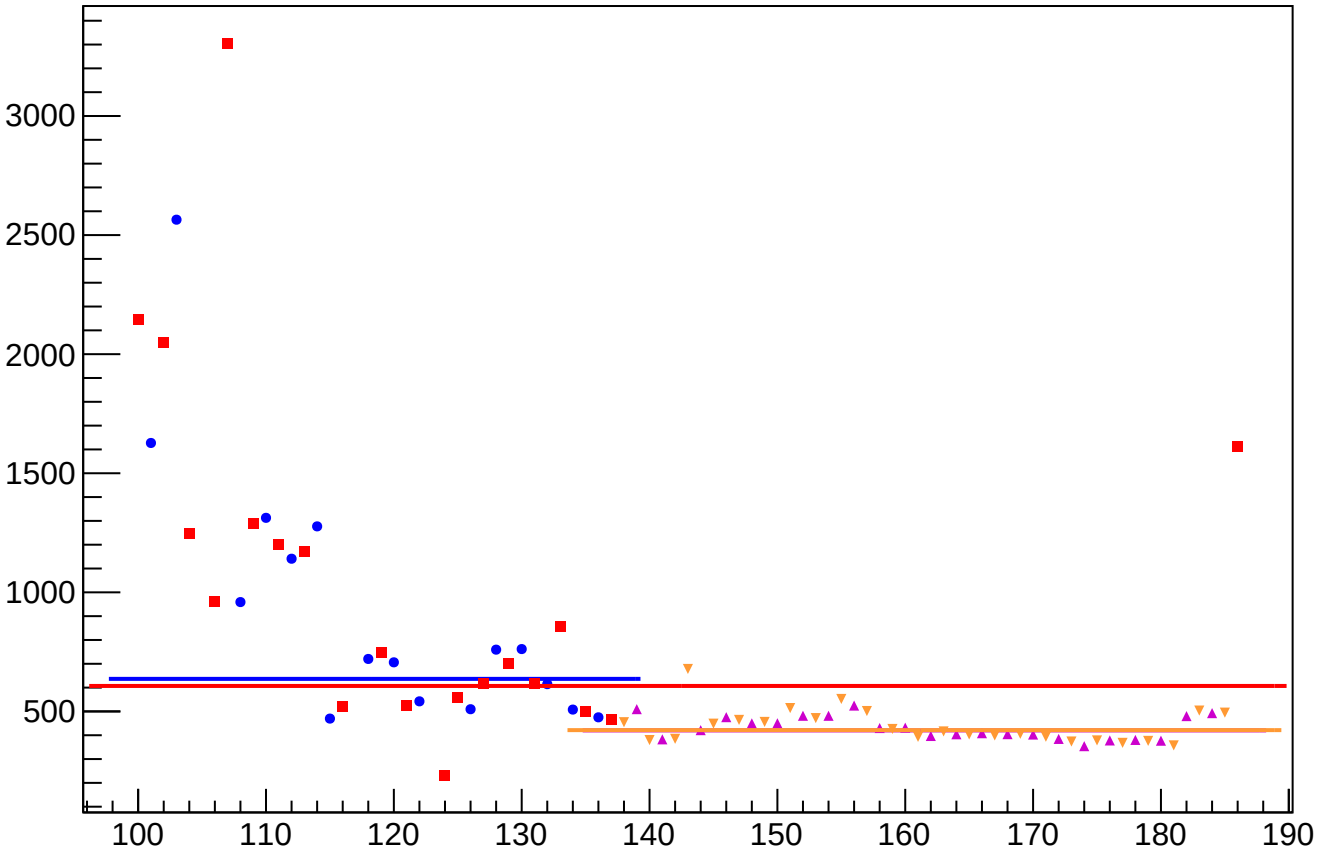
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -7.315+/-180.250 χ^2/NDF: 41.1/35

In: 41.401+/-92.434 χ^2/NDF:54.5/38

Out: 278.991+/-90.509 χ^2/NDF:85.7/44

All: 162.696+/-64.670 χ^2/NDF: 143.5/83



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

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

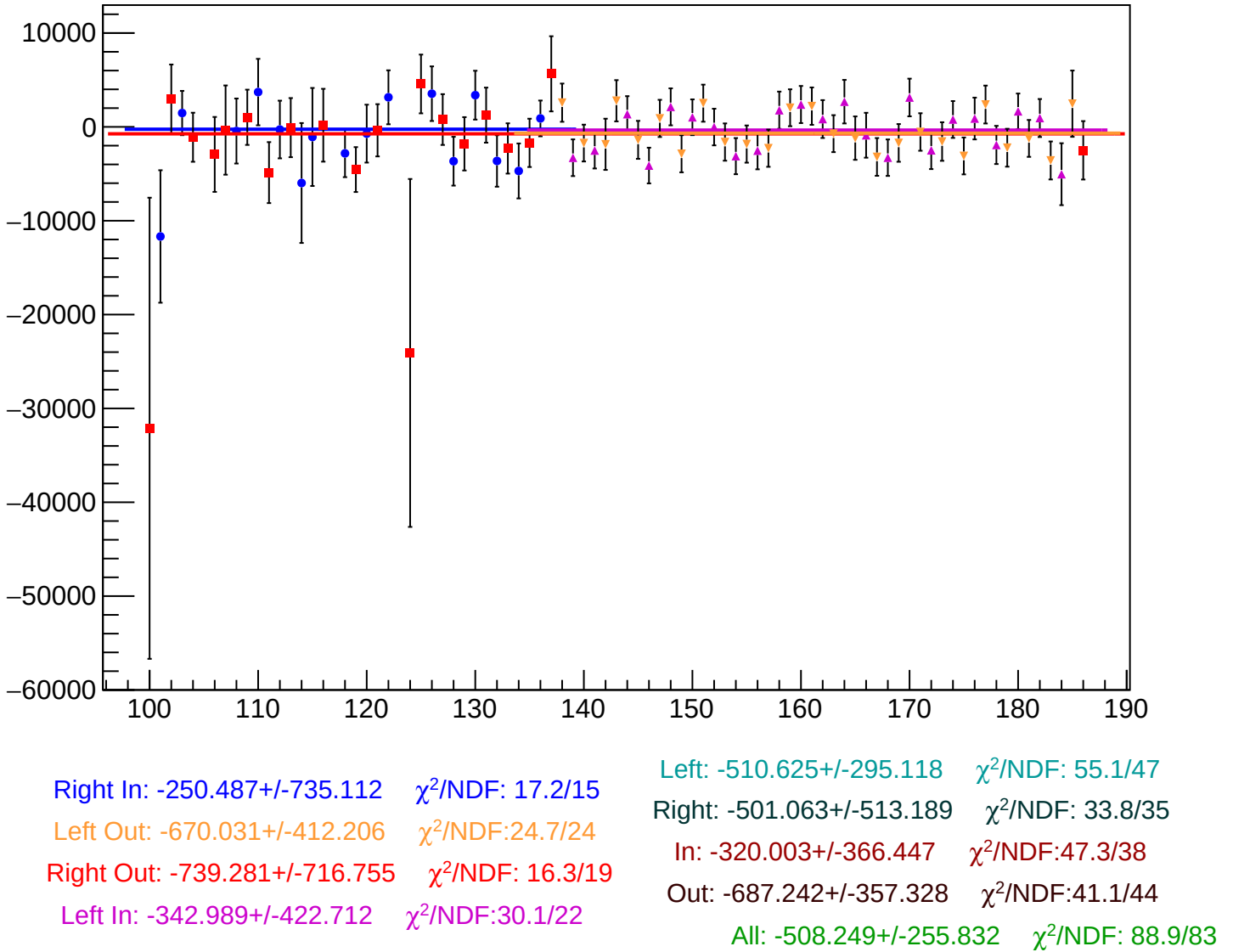
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 621.410+/-0.127 χ^2/NDF: 5330544.6/35

In: 447.885+/-0.065 χ^2/NDF:3701966.4/38

Out: 445.466+/-0.064 χ^2/NDF:4941970.6/44

All: 446.650+/-0.046 χ^2/NDF: 8644636.2/83


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
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−50000
−60000
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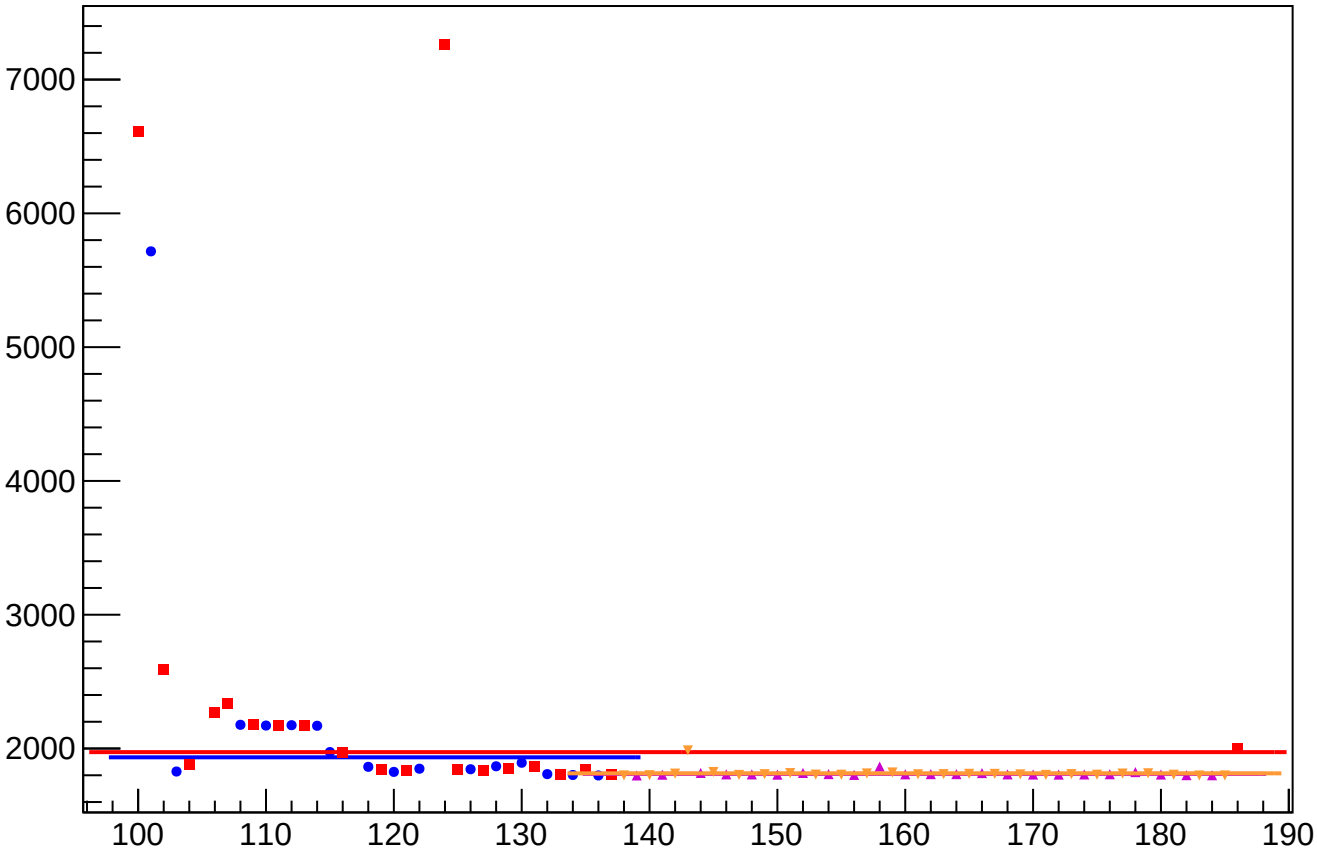
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: -670.031+/-412.206 χ²/NDF:24.7/24
Right Out: -739.281+/-716.755 χ²/NDF: 16.3/19
Left In: -342.989+/-422.712 χ²/NDF:30.1/22
Left: -510.625+/-295.118 χ²/NDF: 55.1/47
Right: -501.063+/-513.189 χ²/NDF: 33.8/35
In: -320.003+/-366.447 χ²/NDF:47.3/38
Out: -687.242+/-357.328 χ²/NDF:41.1/44
All: -508.249+/-255.832 χ²/NDF: 88.9/83



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

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

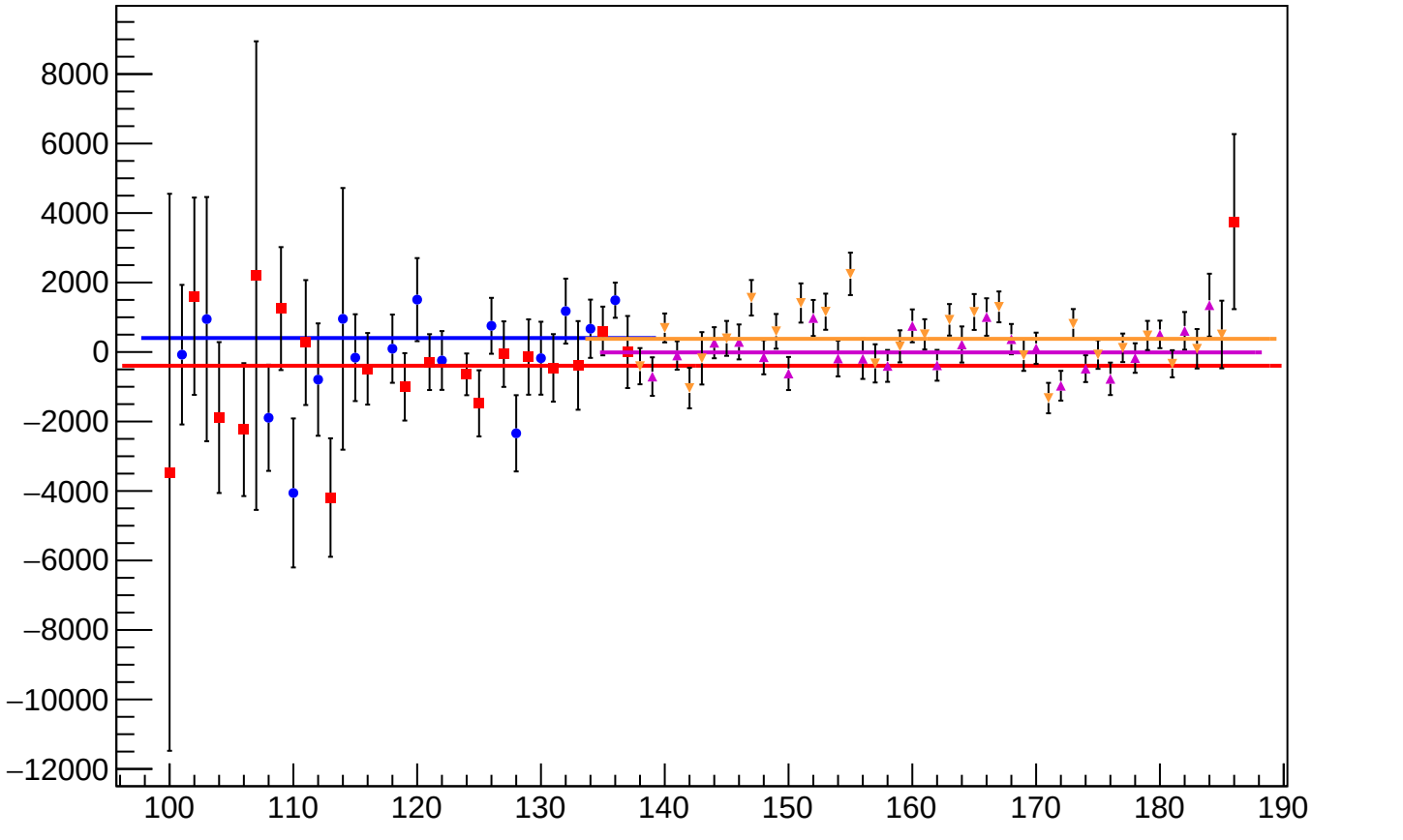
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1954.098+/-0.363 χ^2/NDF: 1026137.7/35

In: 1841.211+/-0.259 χ^2/NDF:684487.2/38

Out: 1853.844+/-0.253 χ^2/NDF:470020.7/44

All: 1847.687+/-0.181 χ^2/NDF: 1155726.4/83



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

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

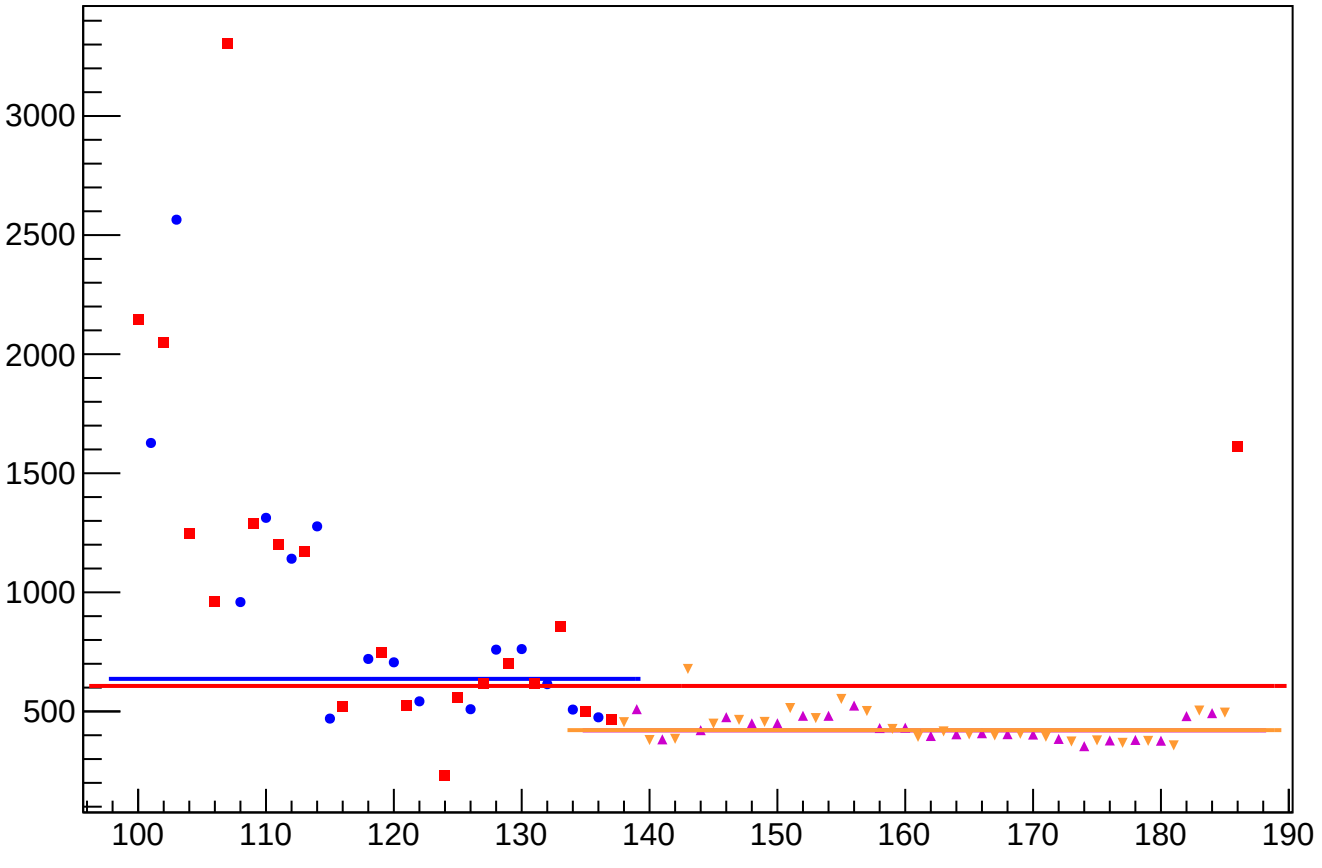
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: -7.315+/-180.250 χ^2/NDF: 41.1/35

In: 41.401+/-92.434 χ^2/NDF:54.5/38

Out: 278.991+/-90.509 χ^2/NDF:85.7/44

All: 162.696+/-64.670 χ^2/NDF: 143.5/83



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

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

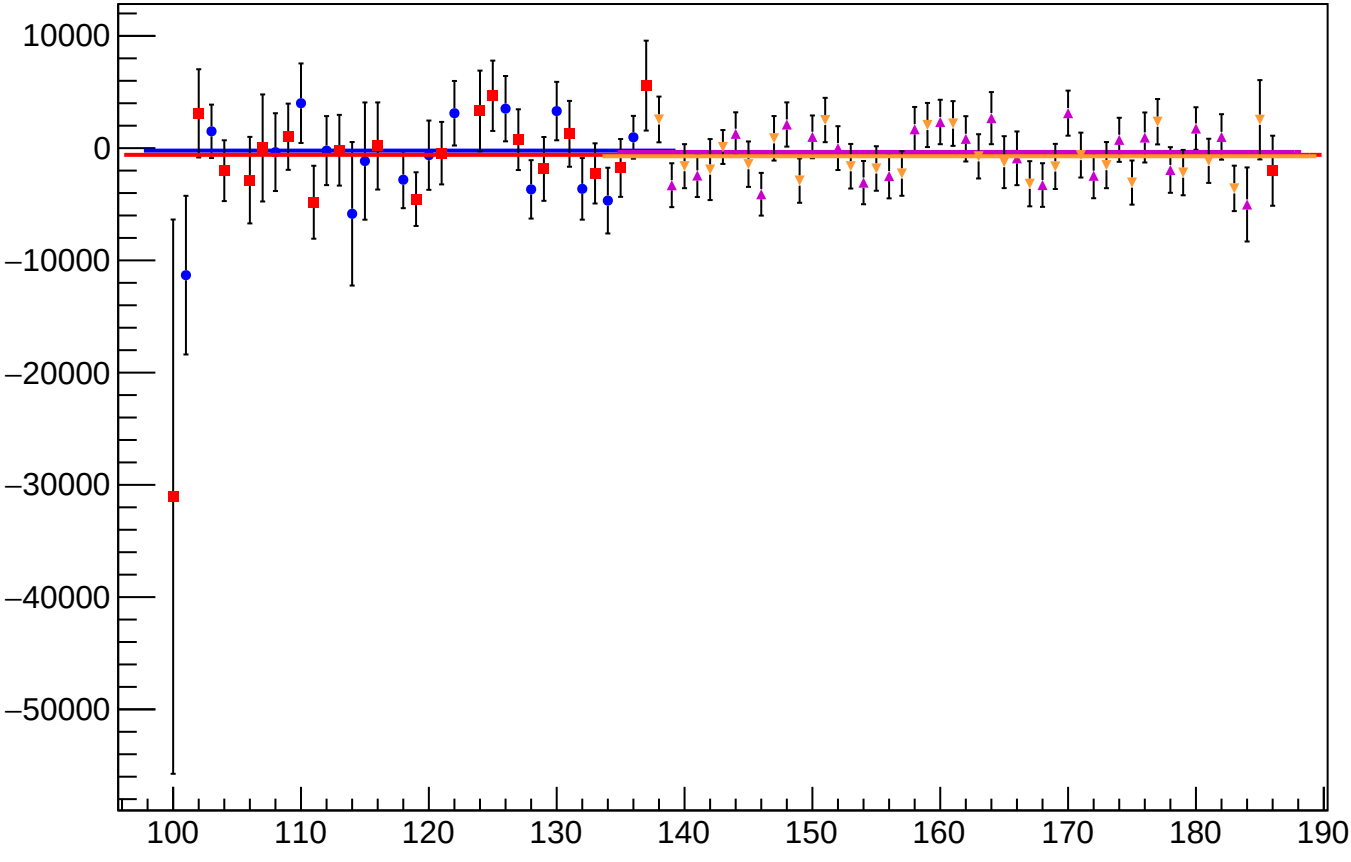
Right: 621.410+/-0.127 χ^2/NDF: 5330544.6/35

In: 447.885+/-0.065 χ^2/NDF:3701966.4/38

Out: 445.466+/-0.064 χ^2/NDF:4941970.6/44

All: 446.650+/-0.046 χ^2/NDF: 8644636.2/83

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

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

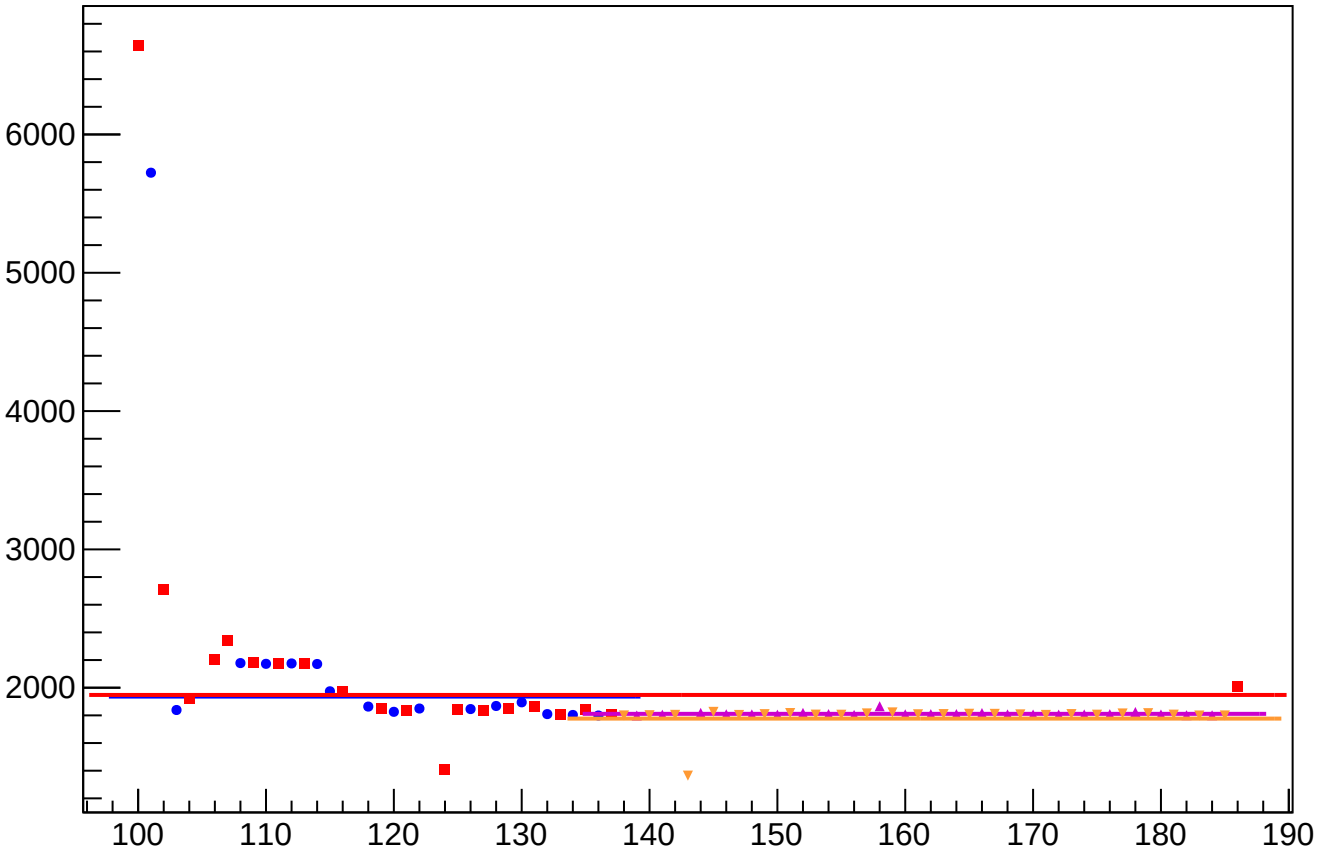
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -416.294+/-509.521 χ^2/NDF: 33.1/35

In: -311.230+/-366.638 χ^2/NDF:46.7/38

Out: -692.956+/-350.942 χ^2/NDF:38.1/44

All: -510.438+/-253.521 χ^2/NDF: 85.4/83



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

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

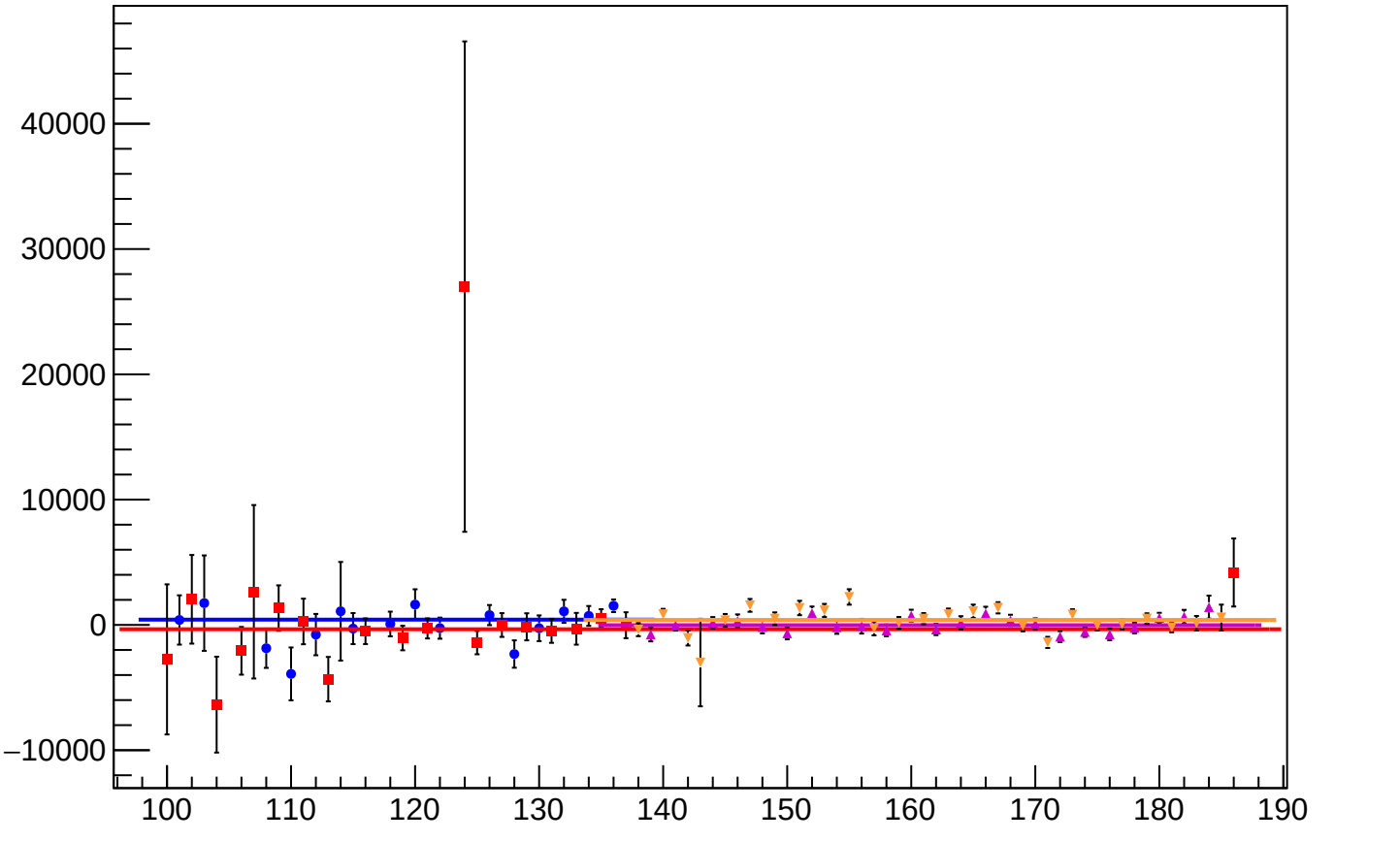
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1942.089+/-0.360 χ^2/NDF: 917069.6/35

In: 1842.085+/-0.259 χ^2/NDF:685079.6/38

Out: 1818.953+/-0.248 χ^2/NDF:526600.0/44

All: 1830.013+/-0.179 χ^2/NDF: 1215834.2/83



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

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

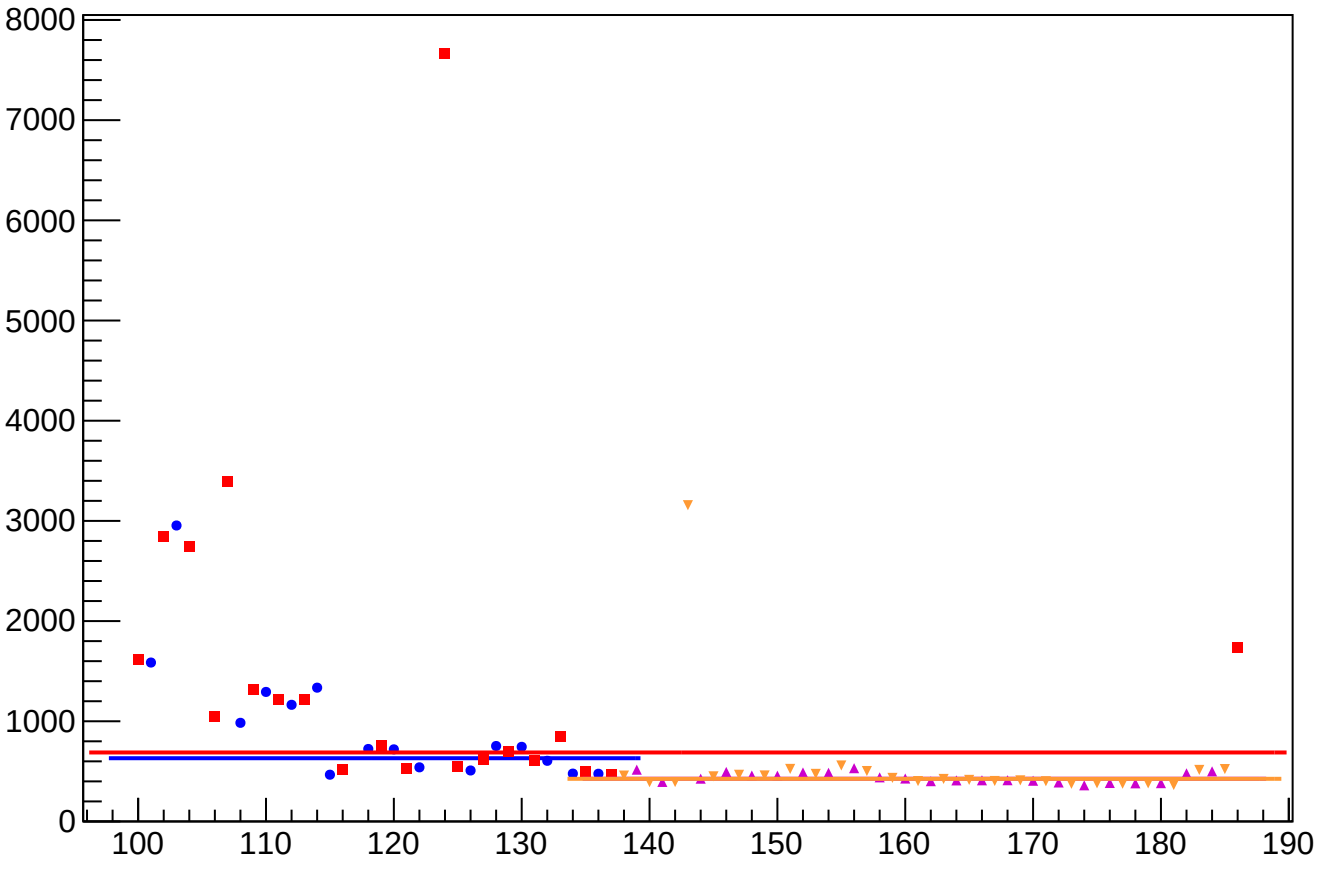
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 68.346+/-188.643 χ^2/NDF: 44.3/35

In: 37.112+/-93.395 χ^2/NDF:54.9/38

Out: 314.358+/-93.404 χ^2/NDF:85.5/44

All: 175.722+/-66.043 χ^2/NDF: 144.8/83



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

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

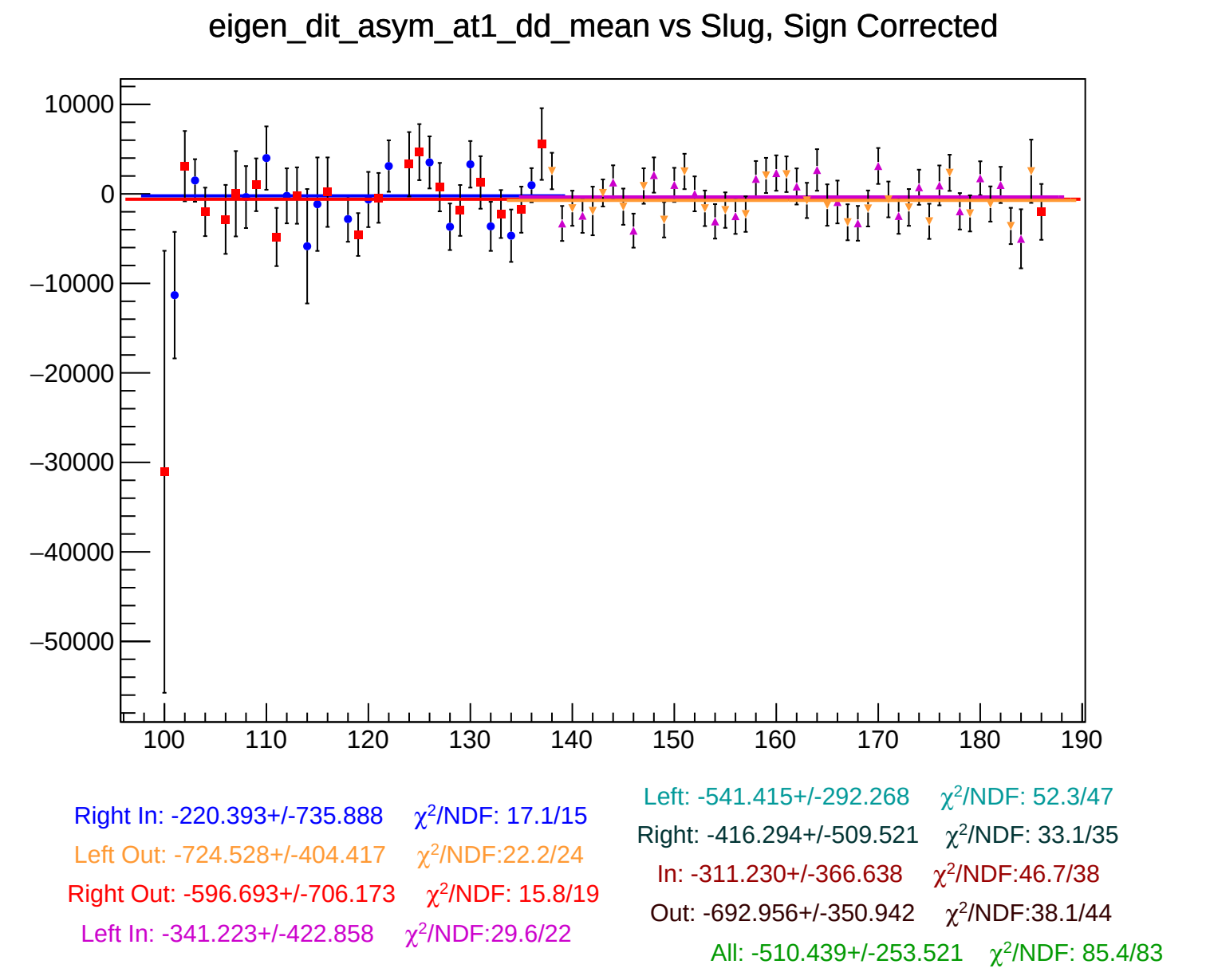
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 657.556+/-0.133 χ^2/NDF: 5662840.6/35

In: 453.270+/-0.066 χ^2/NDF:3756154.5/38

Out: 455.349+/-0.066 χ^2/NDF:6685697.4/44

All: 454.309+/-0.047 χ^2/NDF: 10442347.6/83


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
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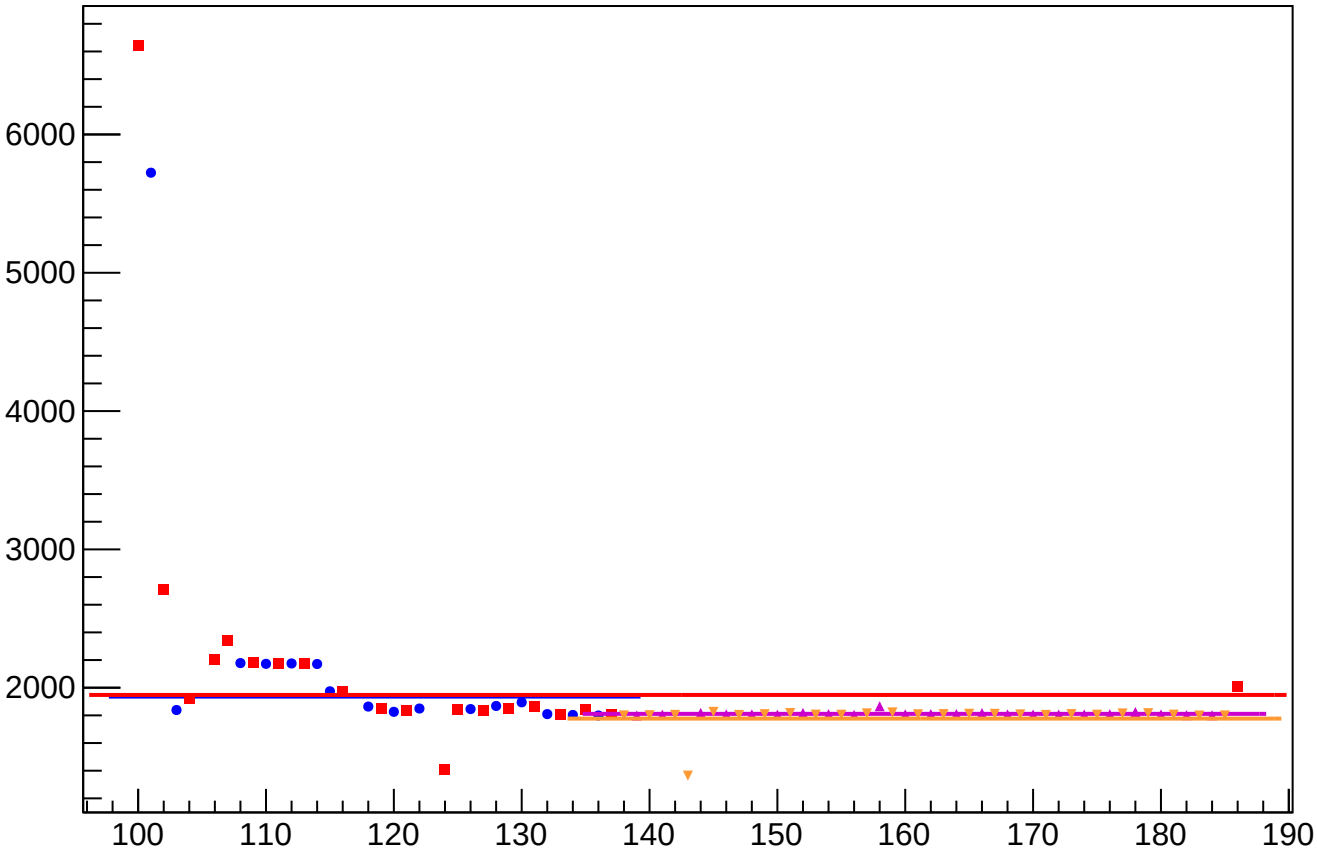
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -724.528+/-404.417 χ²/NDF:22.2/24
Right Out: -596.693+/-706.173 χ²/NDF: 15.8/19
Left In: -341.223+/-422.858 χ²/NDF:29.6/22
Left: -541.415+/-292.268 χ²/NDF: 52.3/47
Right: -416.294+/-509.521 χ²/NDF: 33.1/35
In: -311.230+/-366.638 χ²/NDF:46.7/38
Out: -692.956+/-350.942 χ²/NDF:38.1/44
All: -510.439+/-253.521 χ²/NDF: 85.4/83



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

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

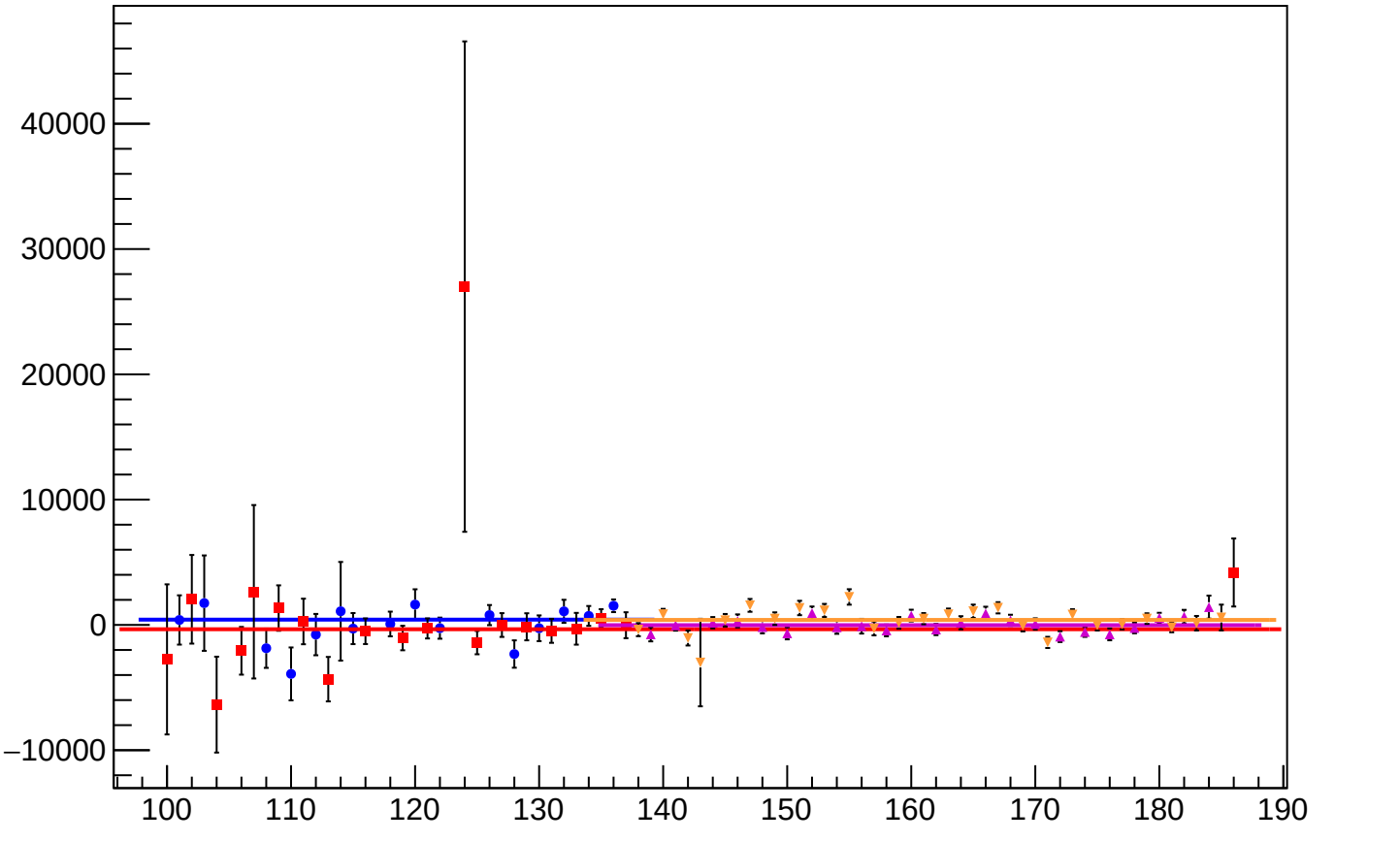
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1942.089+/-0.360 χ^2/NDF: 917069.5/35

In: 1842.085+/-0.259 χ^2/NDF:685079.6/38

Out: 1818.953+/-0.248 χ^2/NDF:526599.8/44

All: 1830.013+/-0.179 χ^2/NDF: 1215834.0/83



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

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

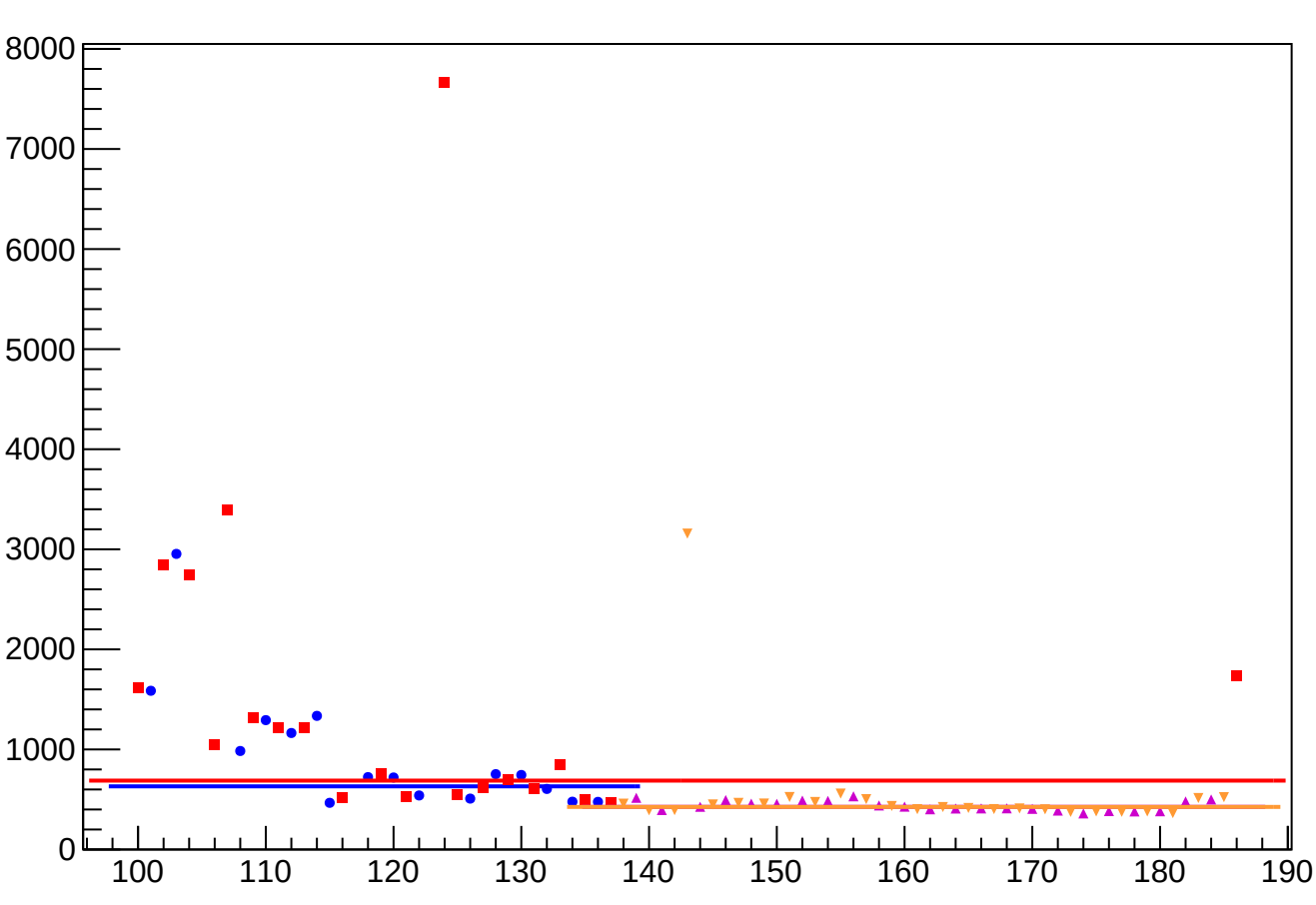
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 68.345+/-188.643 χ^2/NDF: 44.3/35

In: 37.113+/-93.395 χ^2/NDF:54.9/38

Out: 314.357+/-93.404 χ^2/NDF:85.5/44

All: 175.722+/-66.043 χ^2/NDF: 144.8/83



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

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

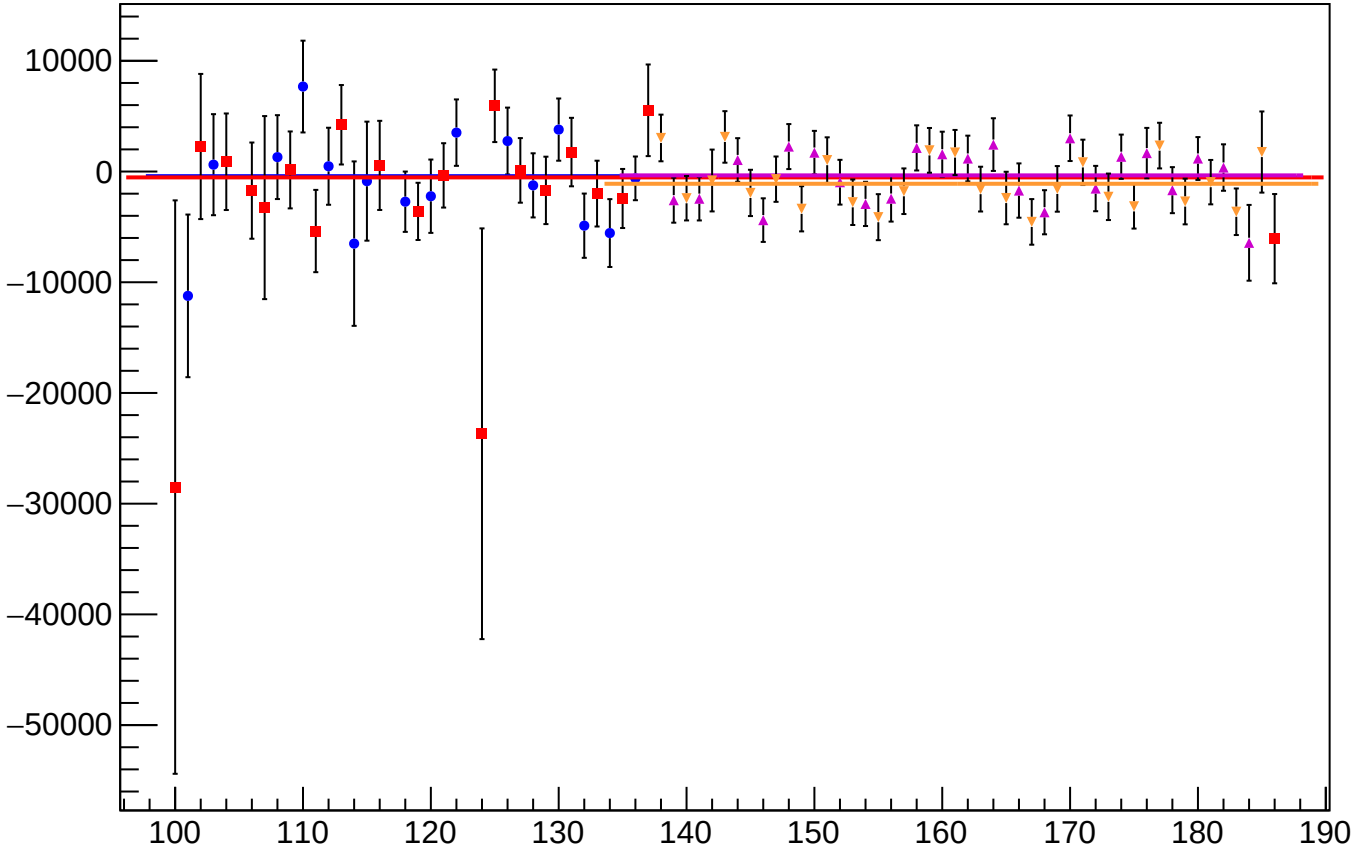
Right: 657.555+/-0.133 χ^2/NDF: 5662841.1/35

In: 453.269+/-0.066 χ^2/NDF:3756157.4/38

Out: 455.349+/-0.066 χ^2/NDF:6685703.0/44

All: 454.309+/-0.047 χ^2/NDF: 10442356.1/83

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

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

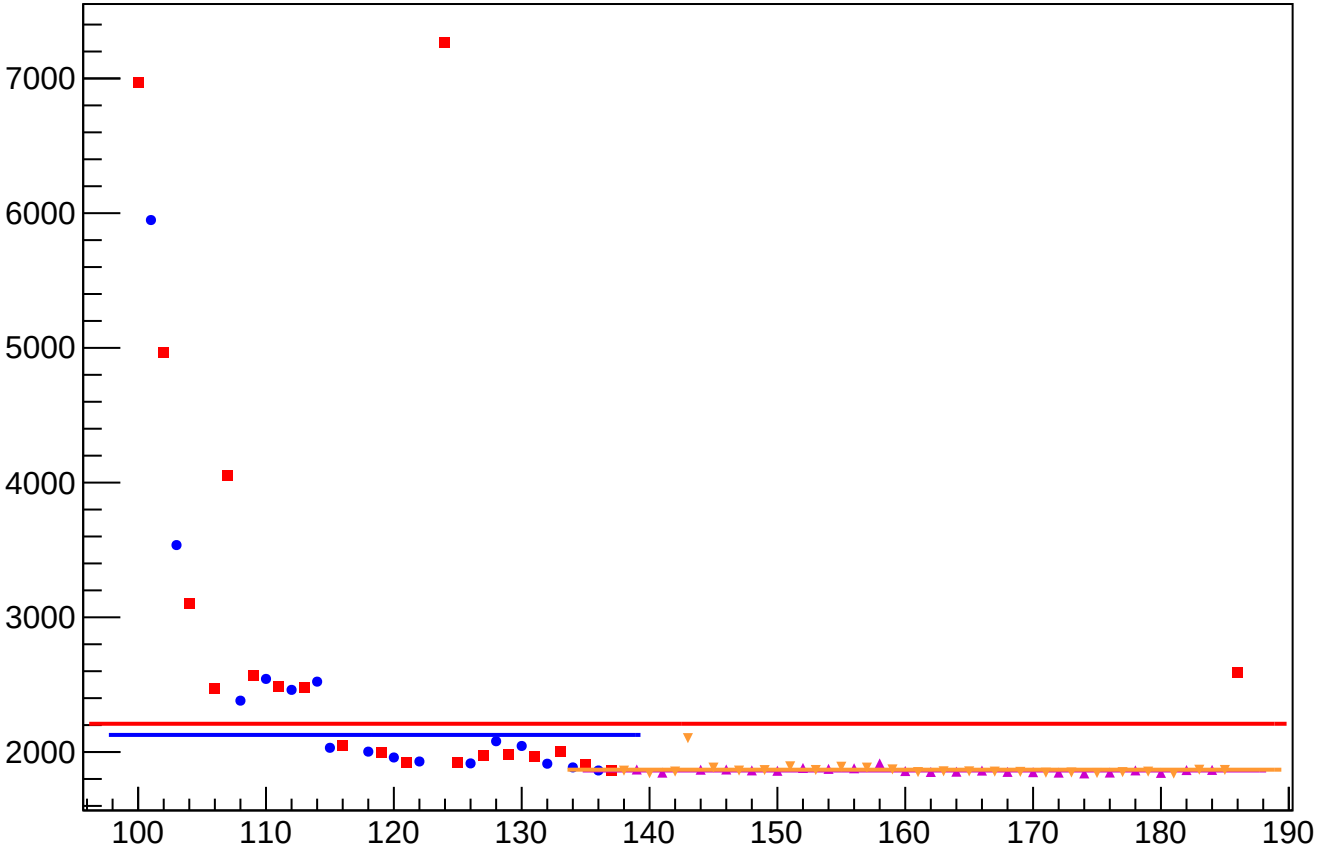
Right: -473.898+/-576.232 χ^2/NDF: 36.0/35

In: -362.603+/-383.760 χ^2/NDF:47.1/38

Out: -982.724+/-376.541 χ^2/NDF:46.0/44

All: -678.551+/-268.771 χ^2/NDF: 94.5/83

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

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

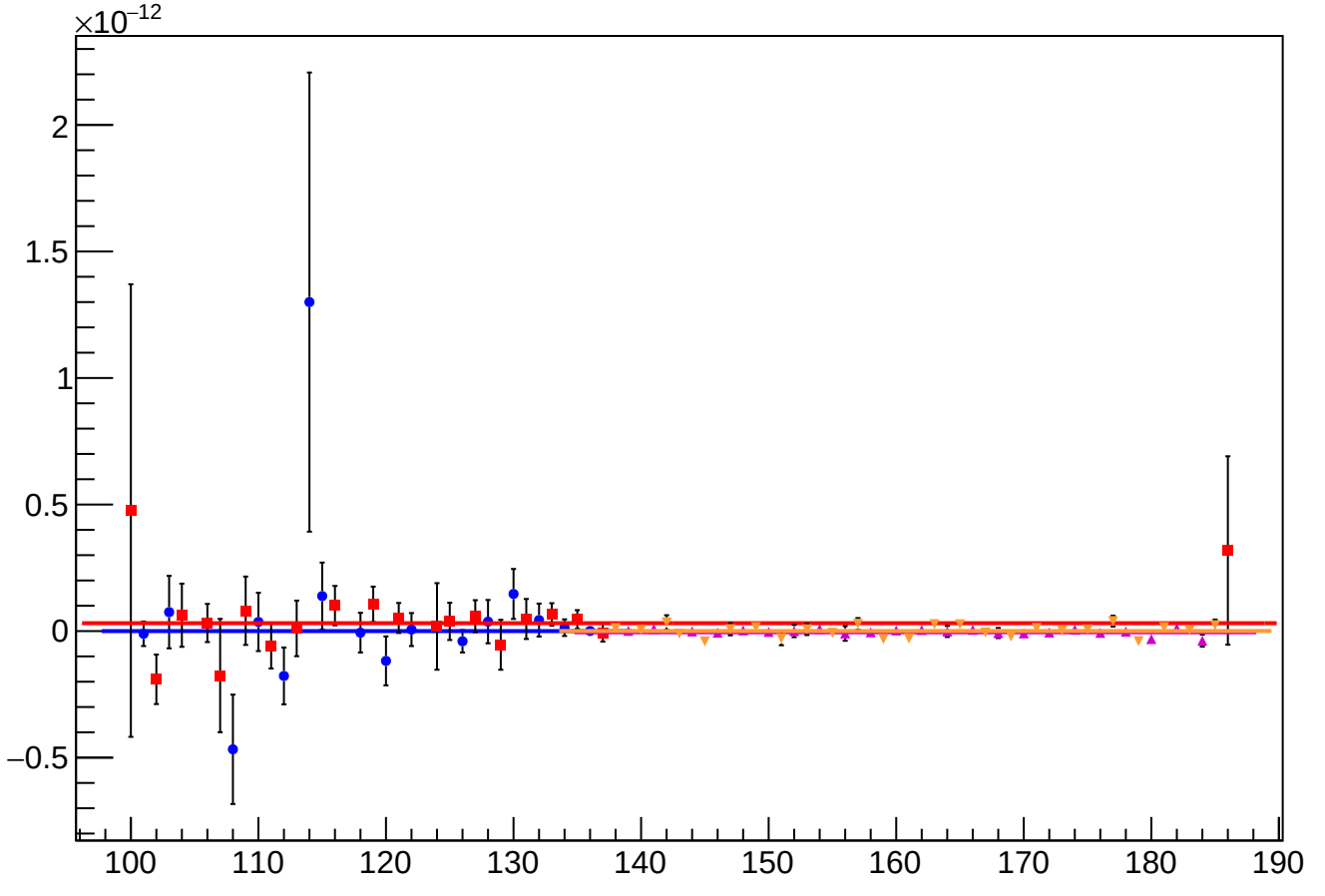
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2168.453+/-0.407 χ^2/NDF: 1846591.0/35

In: 1921.357+/-0.271 χ^2/NDF:1041277.5/38

Out: 1941.790+/-0.266 χ^2/NDF:1259904.1/44

All: 1931.767+/-0.190 χ^2/NDF: 2304070.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

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

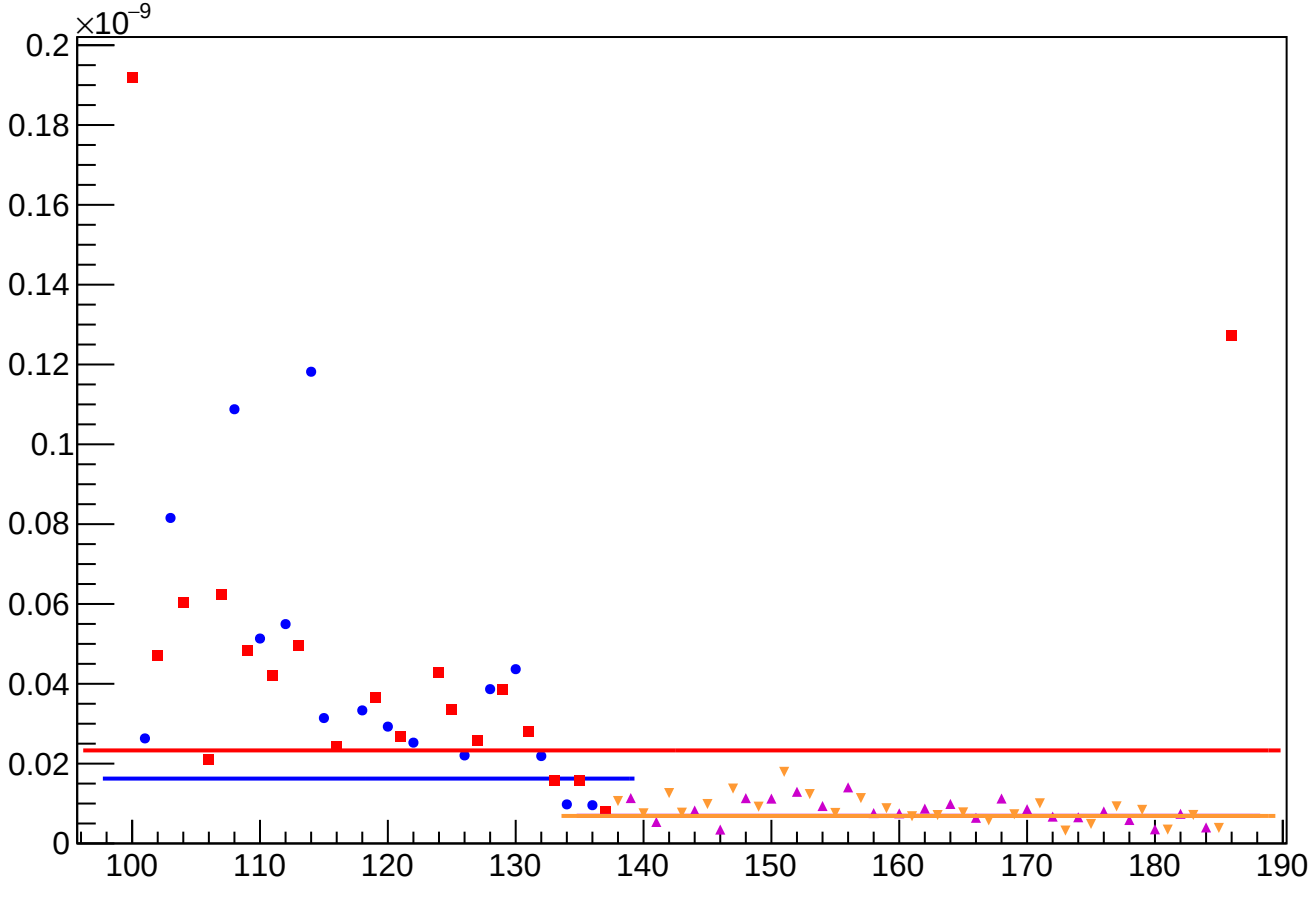
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 31.6/35

In: -0.000+/-0.000 χ^2/NDF:33.6/38

Out: 0.000+/-0.000 χ^2/NDF:58.8/44

All: -0.000+/-0.000 χ^2/NDF: 94.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1567625.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

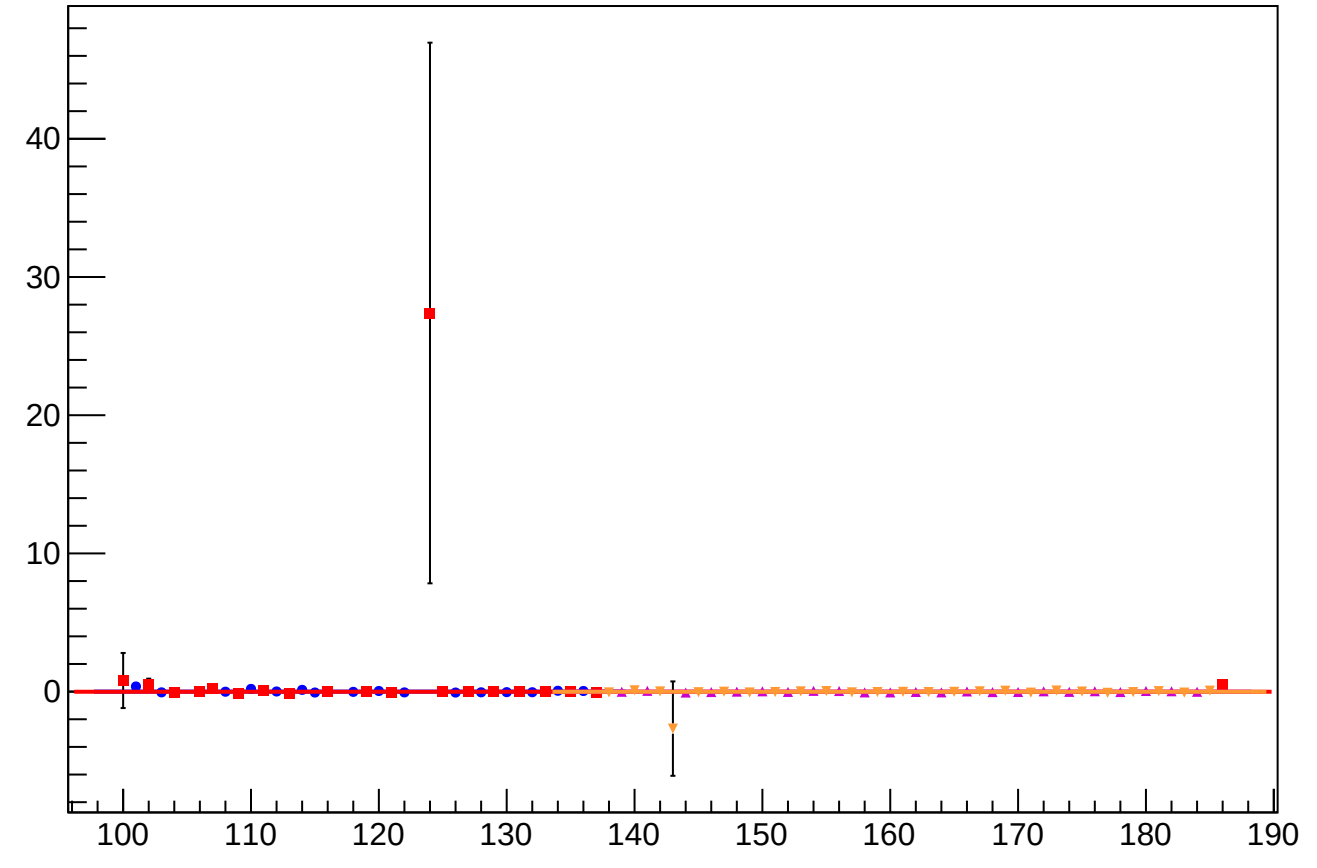
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 4111907.5/35

In: 0.000+/-0.000 χ^2/NDF:4922290.8/38

Out: 0.000+/-0.000 χ^2/NDF:5520535.3/44

All: 0.000+/-0.000 χ^2/NDF: 10443261.6/83



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

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

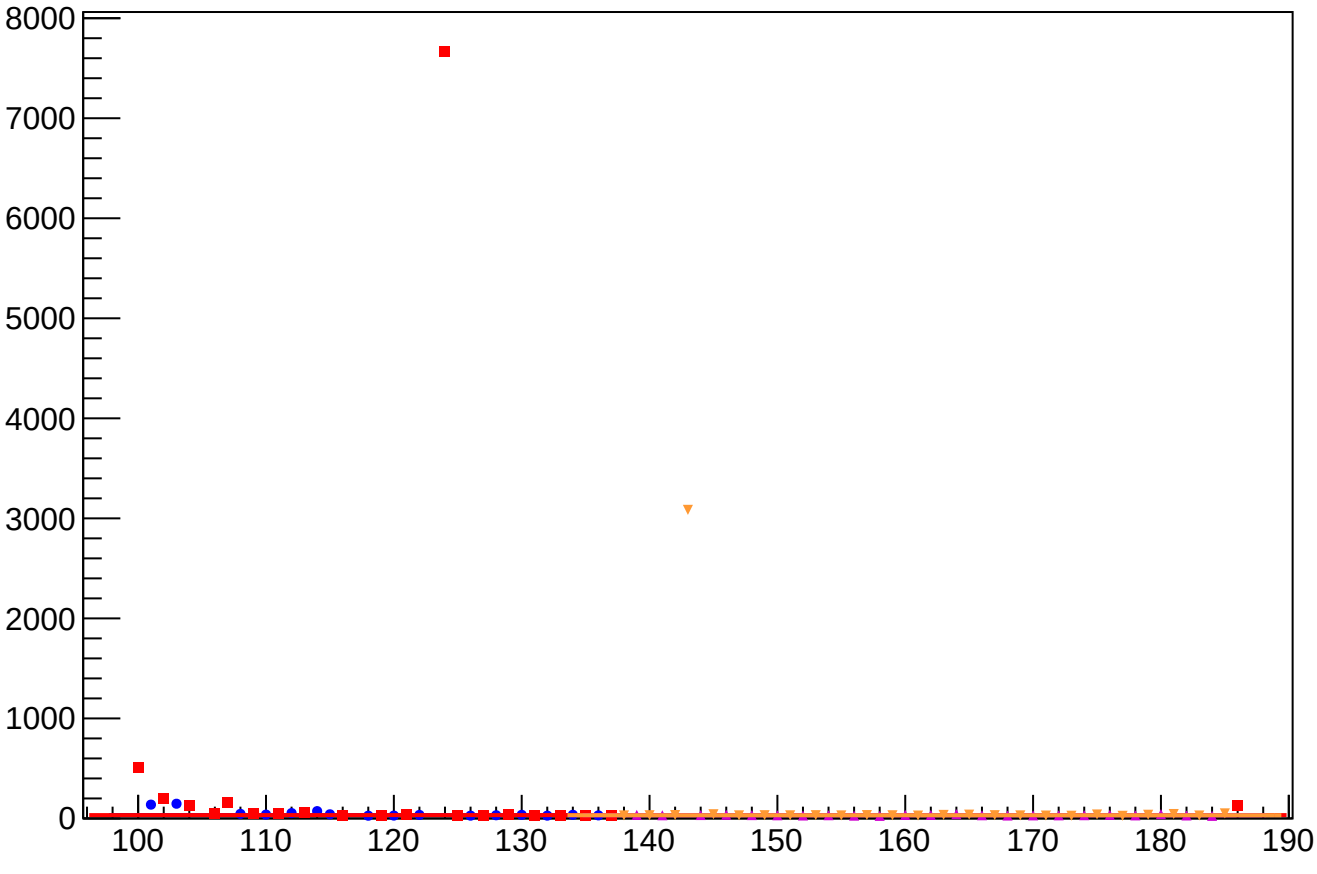
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.004+/-0.010 χ^2/NDF: 41.5/35

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 102.2/83



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

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

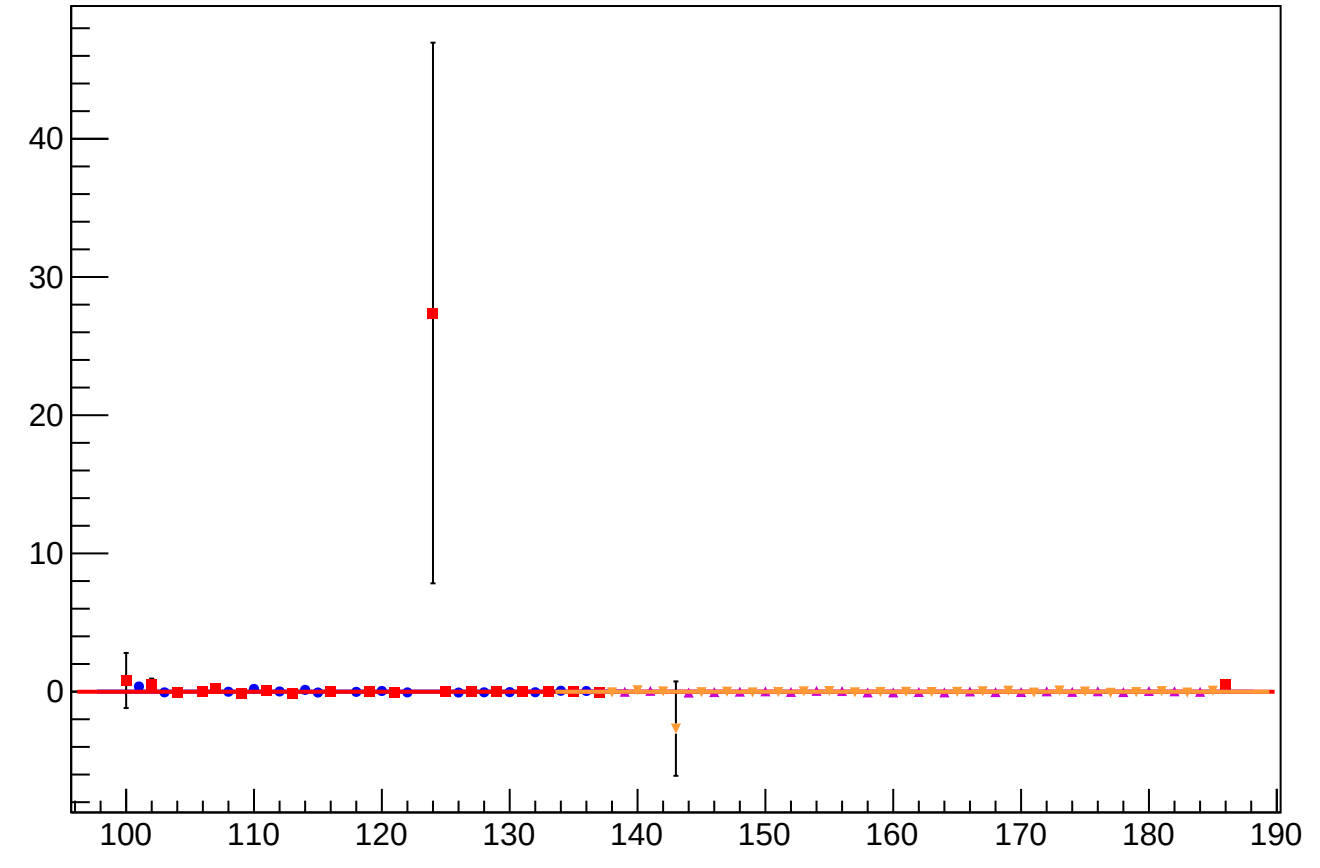
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 33.819+/-0.007 χ^2/NDF: 4240969.5/35

In: 32.813+/-0.005 χ^2/NDF:2161996.4/38

Out: 32.584+/-0.005 χ^2/NDF:4655397.2/44

All: 32.698+/-0.004 χ^2/NDF: 6818402.4/83



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

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

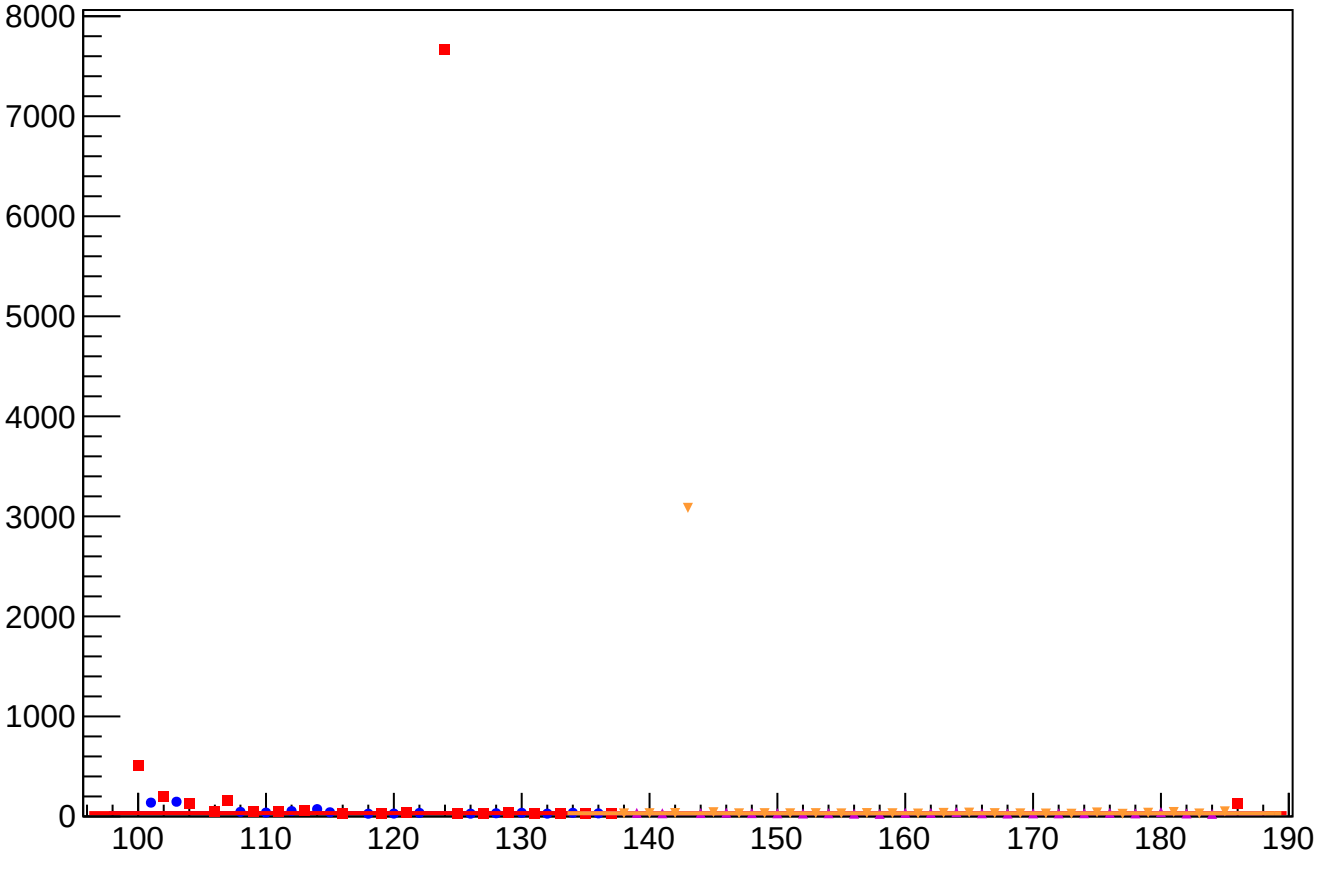
Right: -0.004+/-0.010 χ^2/NDF: 41.5/35

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 102.2/83

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.277+/-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

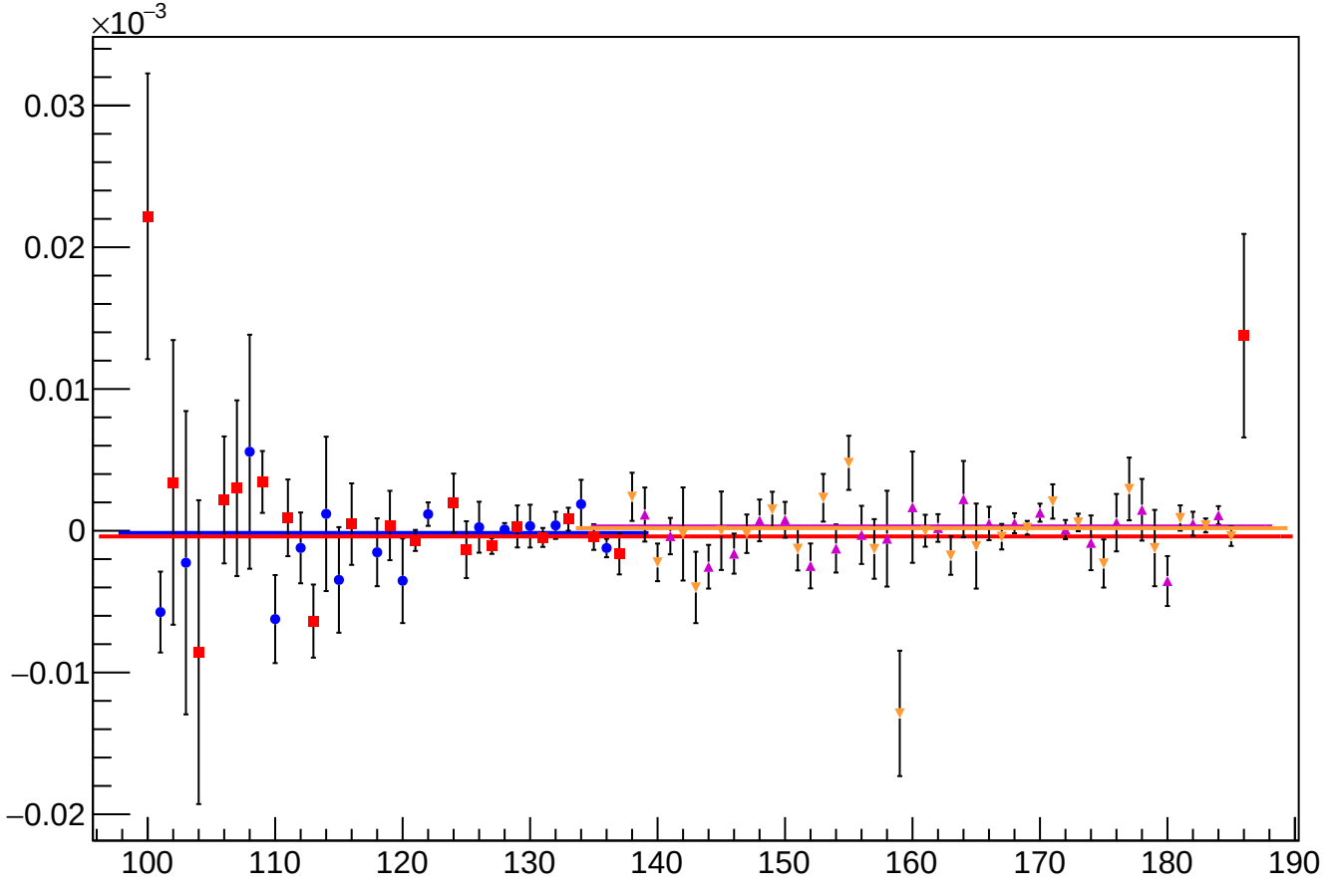
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 33.819+/-0.007 χ^2/NDF: 4240969.5/35

In: 32.813+/-0.005 χ^2/NDF:2161996.4/38

Out: 32.584+/-0.005 χ^2/NDF:4655397.2/44

All: 32.698+/-0.004 χ^2/NDF: 6818402.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

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

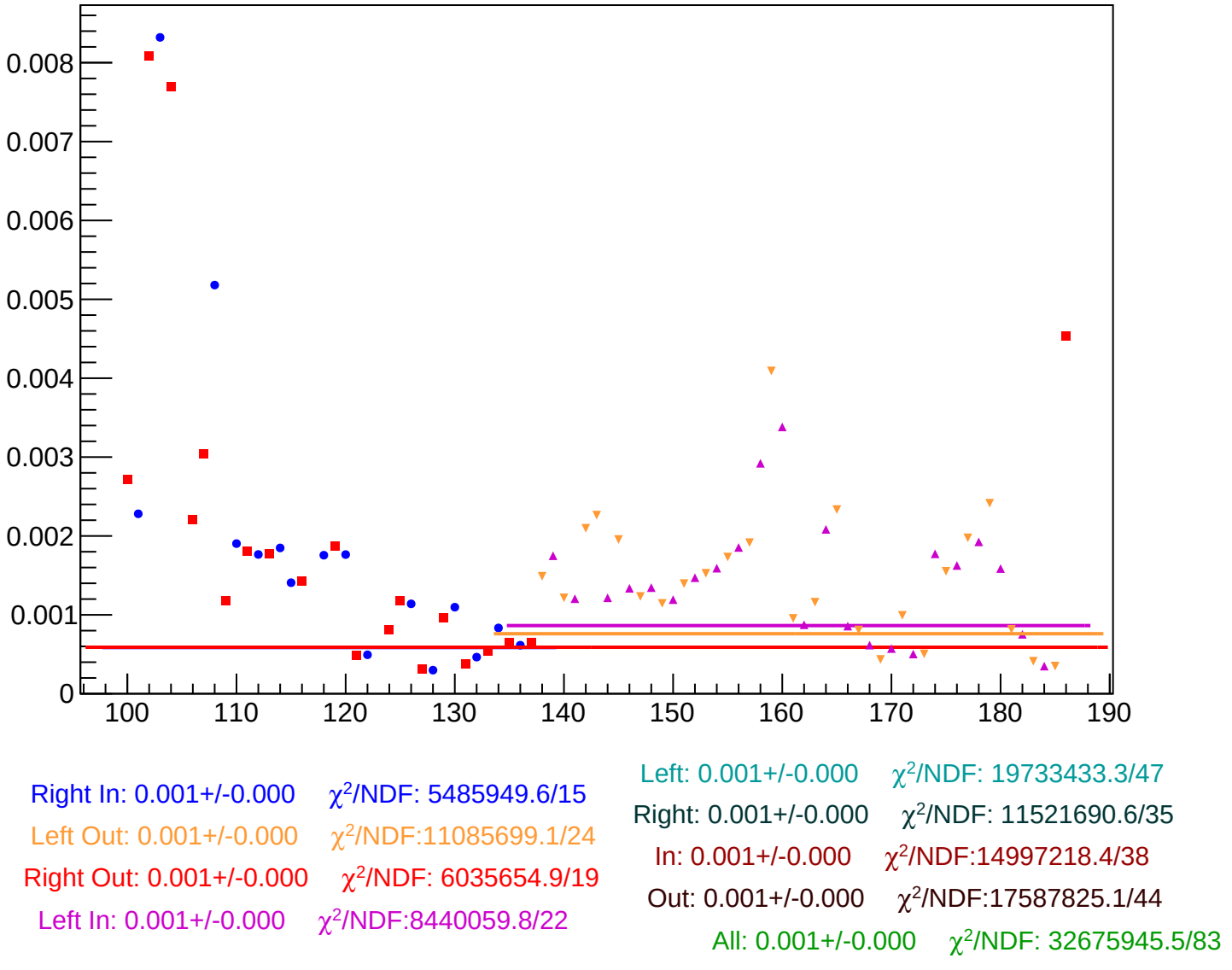
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.0/35

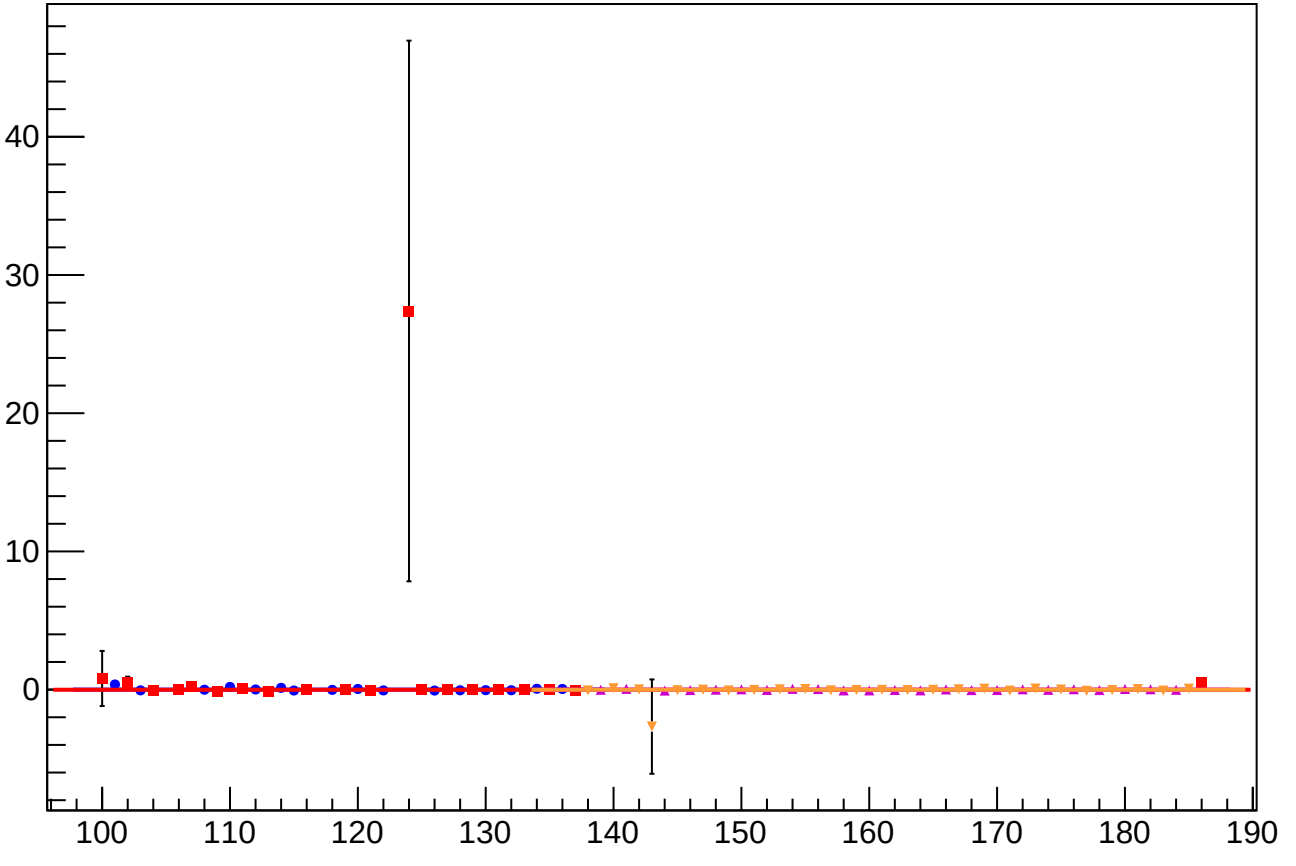
In: 0.000+/-0.000 χ^2/NDF:39.9/38

Out: -0.000+/-0.000 χ^2/NDF:65.7/44

All: 0.000+/-0.000 χ^2/NDF: 105.9/83


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: 5485949.6/15
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: 11521690.6/35
In: 0.001+/-0.000 χ²/NDF:14997218.4/38
Out: 0.001+/-0.000 χ²/NDF:17587825.1/44
All: 0.001+/-0.000 χ²/NDF: 32675945.5/83

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-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

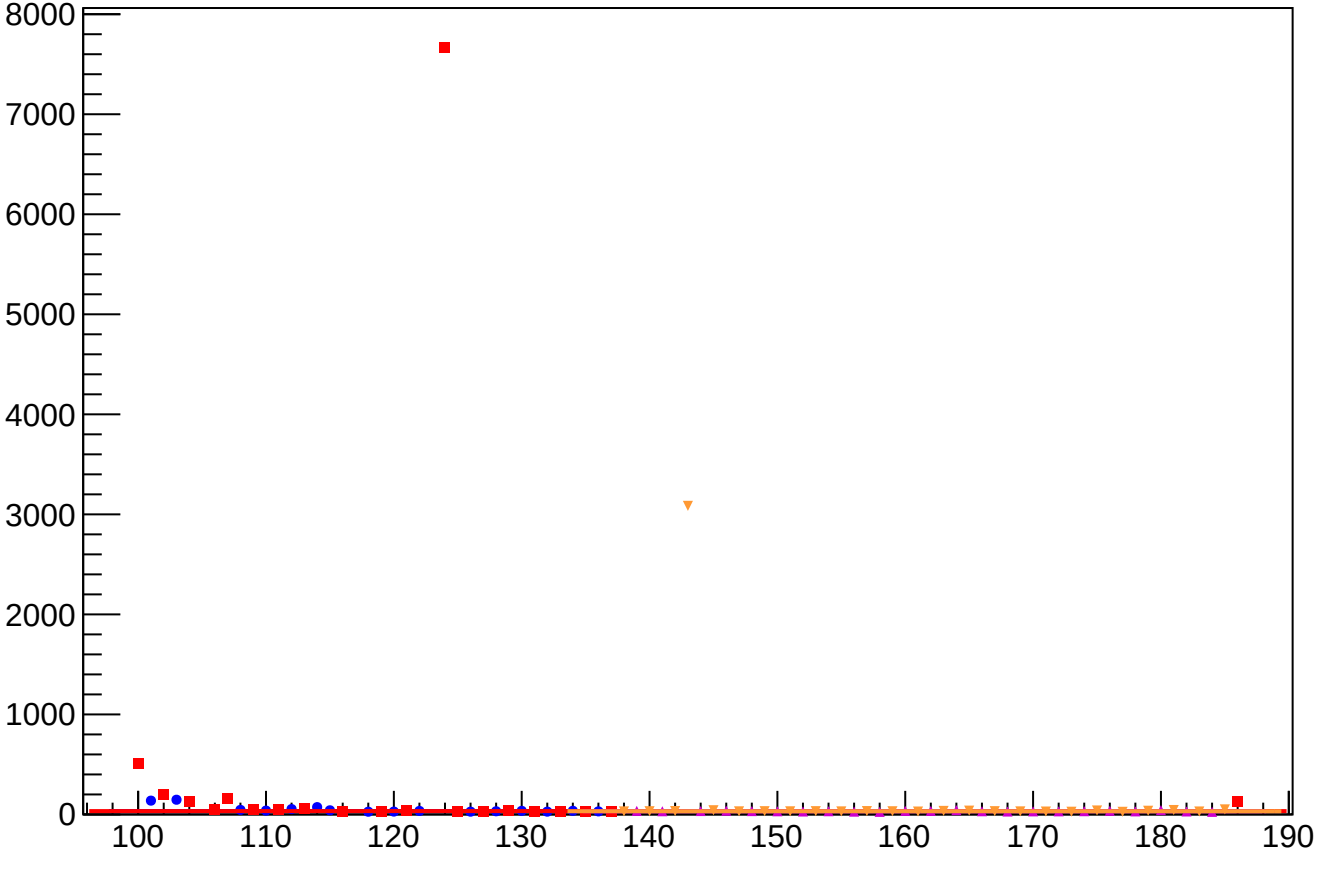
Right: -0.004+/-0.010 χ^2/NDF: 41.5/35

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 102.2/83

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.277+/-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

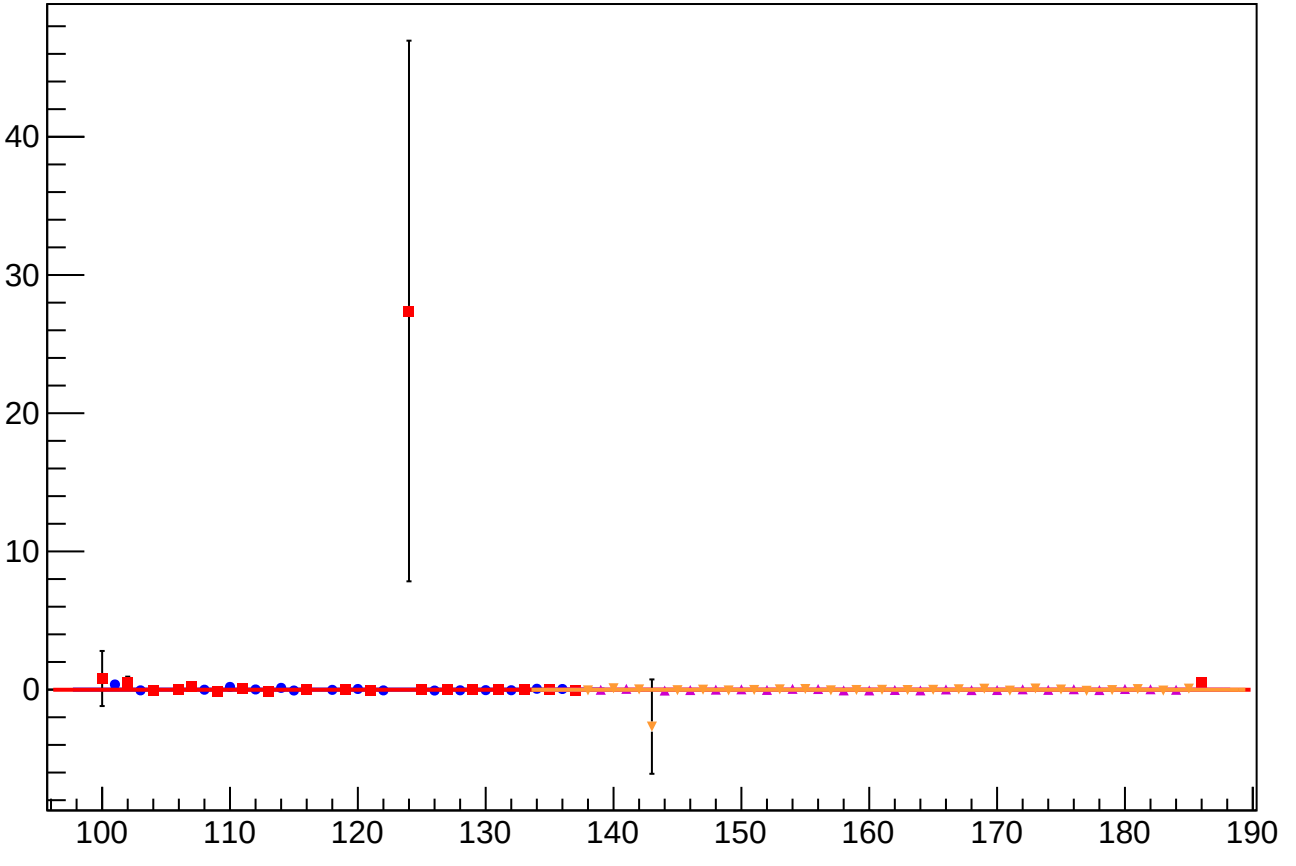
Right: 33.819+/-0.007 χ^2/NDF: 4240947.9/35

In: 32.813+/-0.005 χ^2/NDF:2161896.5/38

Out: 32.584+/-0.005 χ^2/NDF:4655428.6/44

All: 32.698+/-0.004 χ^2/NDF: 6818336.3/83

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.010+/-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

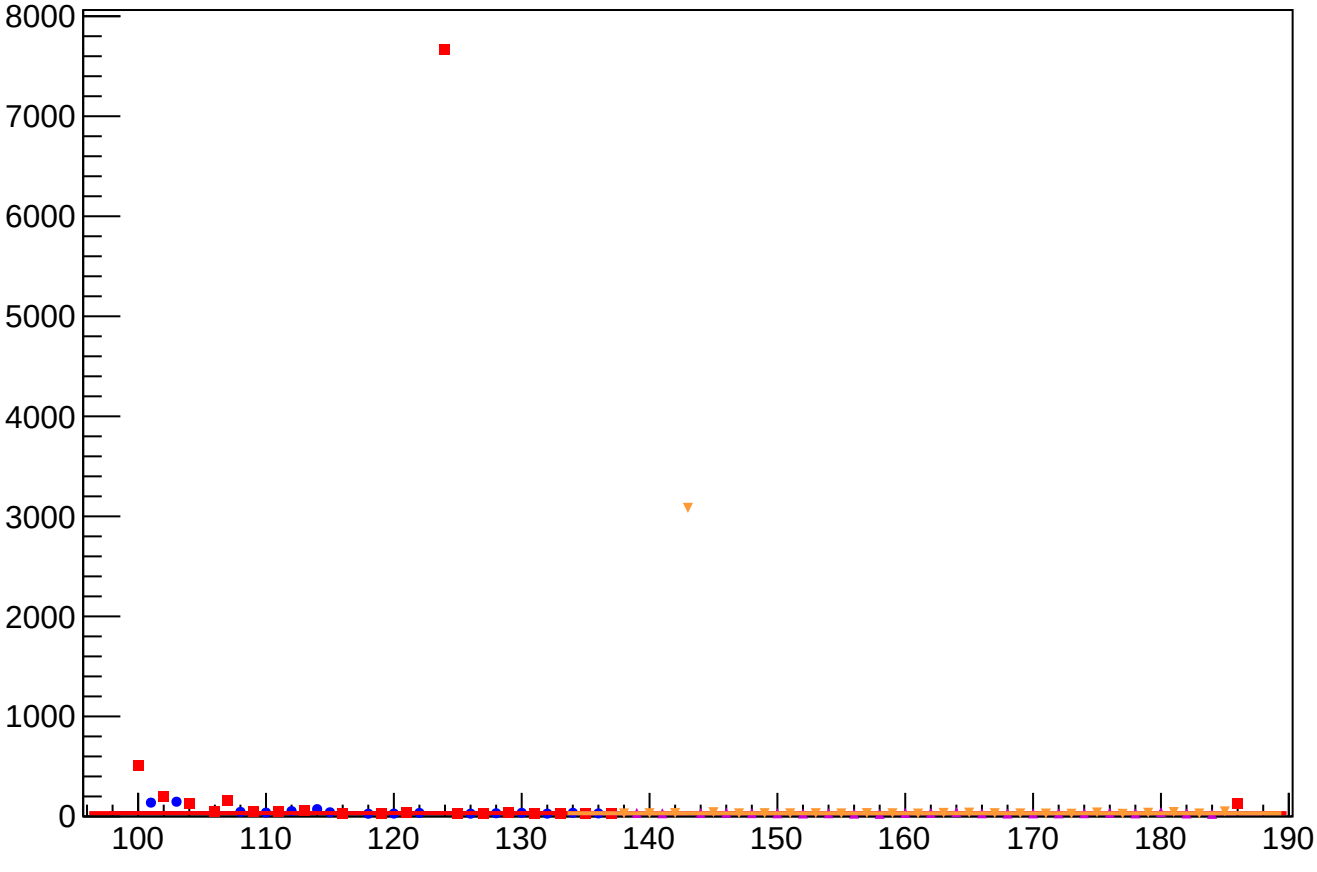
Right: -0.004+/-0.010 χ^2/NDF: 41.5/35

In: -0.002+/-0.007 χ^2/NDF:42.0/38

Out: -0.010+/-0.007 χ^2/NDF:59.8/44

All: -0.006+/-0.005 χ^2/NDF: 102.2/83

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.277+/-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

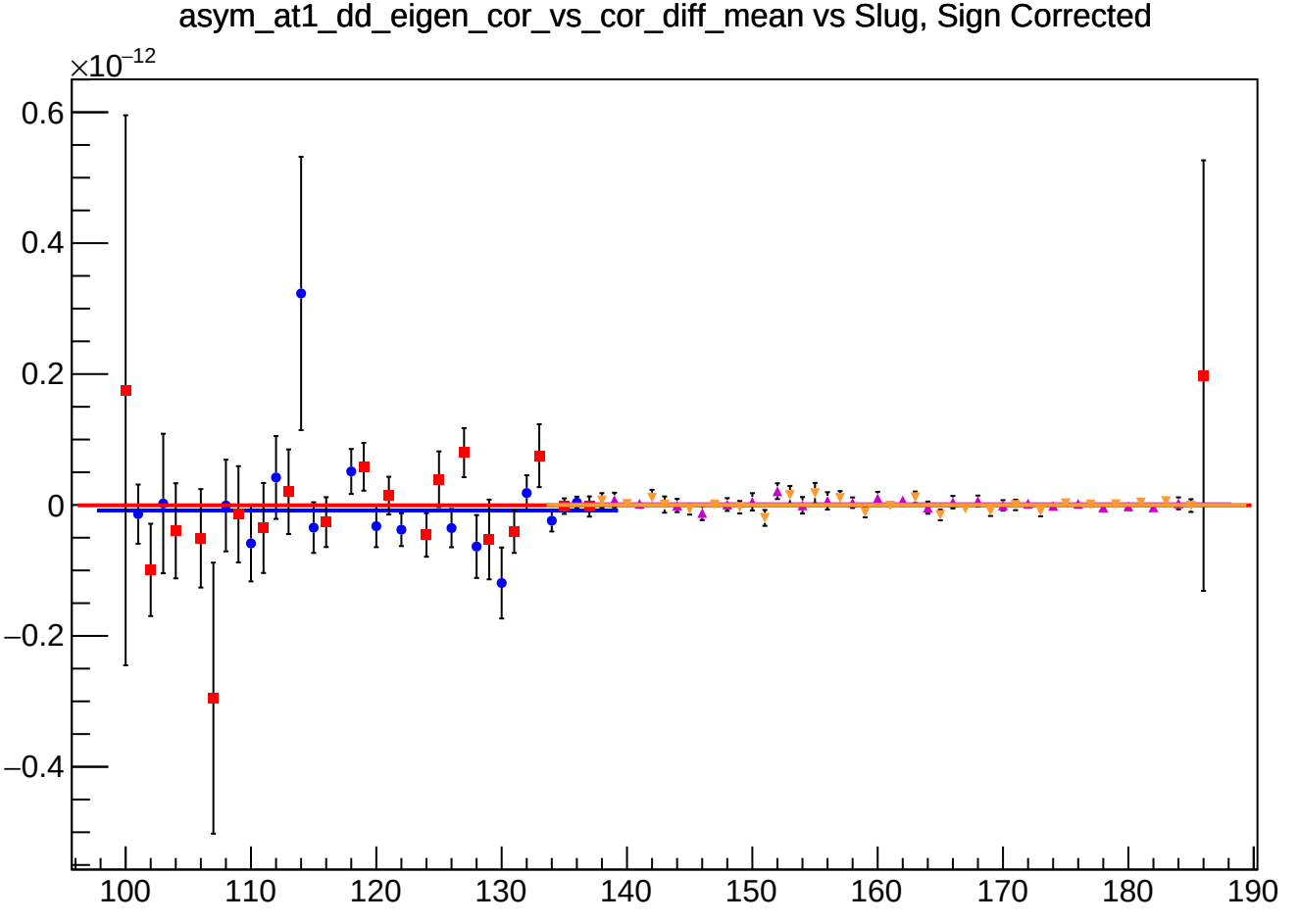
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

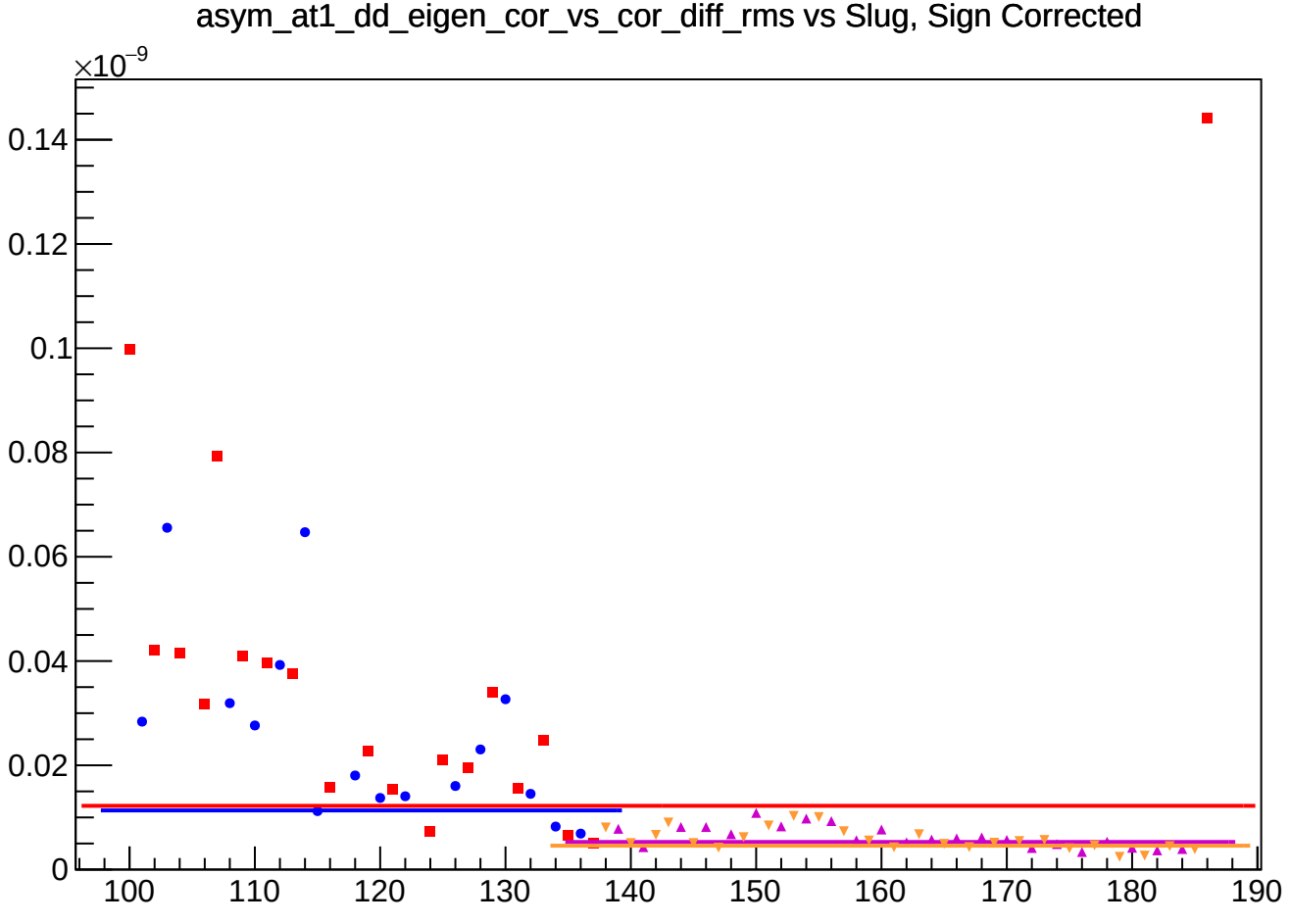
Right: 33.819+/-0.007 χ^2/NDF: 4240947.9/35

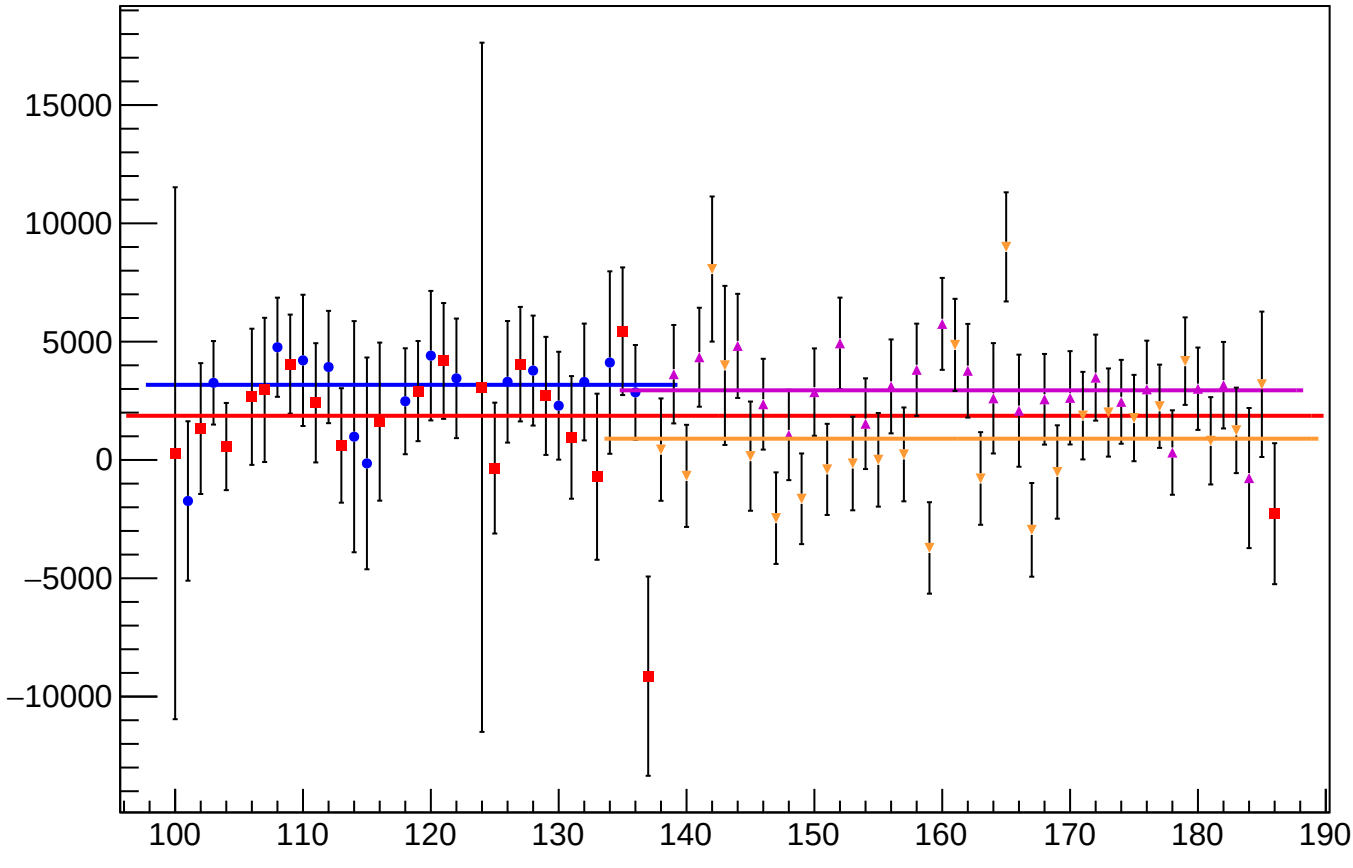
In: 32.813+/-0.005 χ^2/NDF:2161896.5/38

Out: 32.584+/-0.005 χ^2/NDF:4655428.6/44

All: 32.698+/-0.004 χ^2/NDF: 6818336.3/83


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: 0.000+/-0.000 χ²/NDF:21.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/19
Left In: 0.000+/-0.000 χ²/NDF:9.2/22
Left: 0.000+/-0.000 χ²/NDF: 30.5/47
Right: -0.000+/-0.000 χ²/NDF: 41.1/35
In: 0.000+/-0.000 χ²/NDF:30.5/38
Out: 0.000+/-0.000 χ²/NDF:42.2/44
All: 0.000+/-0.000 χ²/NDF: 72.8/83


asym_at1_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: 2813598.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2796753.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4079758.9/19
Left In: 0.000+/-0.000 χ²/NDF:2230717.6/22
Left: 0.000+/-0.000 χ²/NDF: 5240558.3/47
Right: 0.000+/-0.000 χ²/NDF: 6910079.8/35
In: 0.000+/-0.000 χ²/NDF:6720938.0/38
Out: 0.000+/-0.000 χ²/NDF:9013804.2/44
All: 0.000+/-0.000 χ²/NDF: 16008526.7/83



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

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

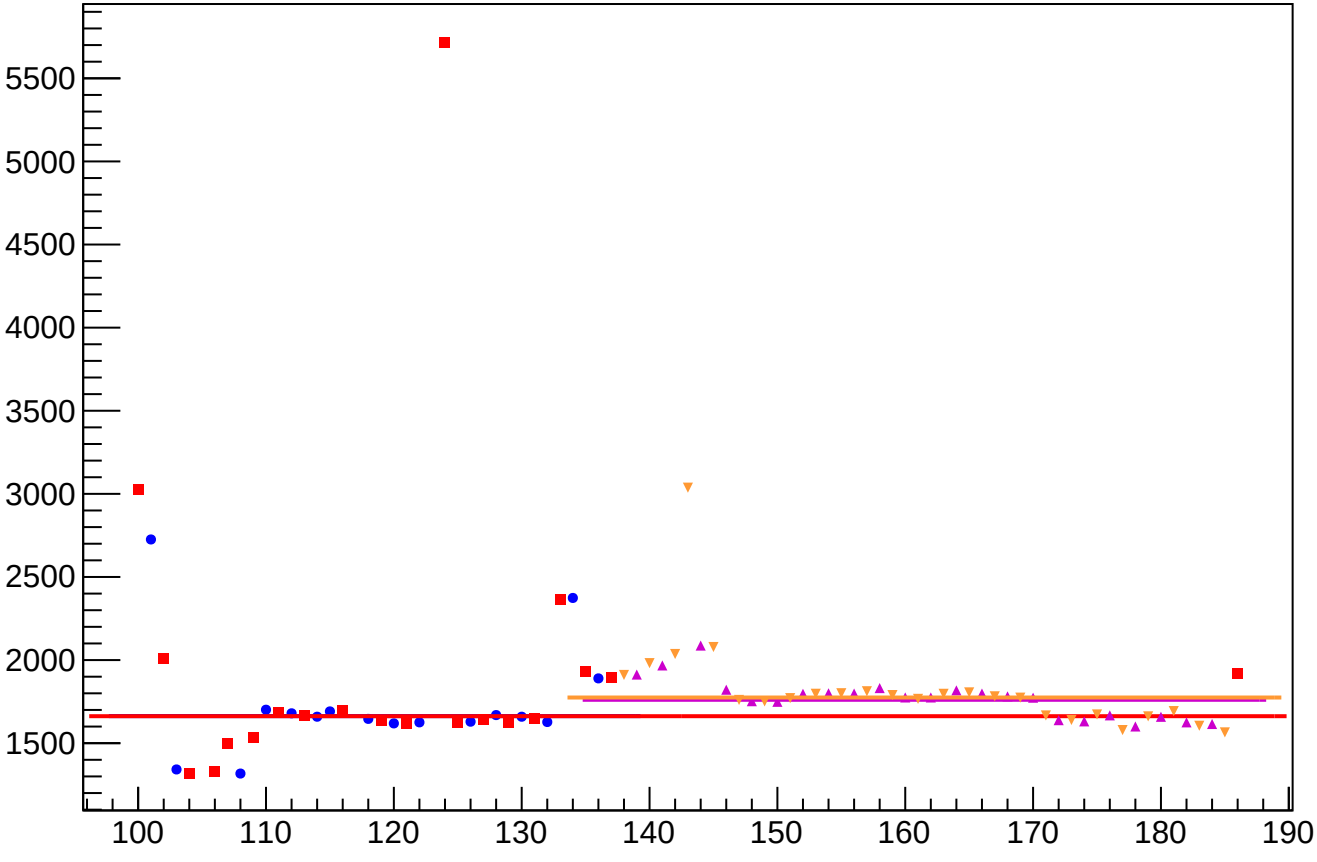
Right: 2500.705+/-436.965 χ^2/NDF: 22.6/35

In: 3013.205+/-344.522 χ^2/NDF:15.0/38

Out: 1196.816+/-337.445 χ^2/NDF:63.1/44

All: 2086.162+/-241.073 χ^2/NDF: 92.2/83

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

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

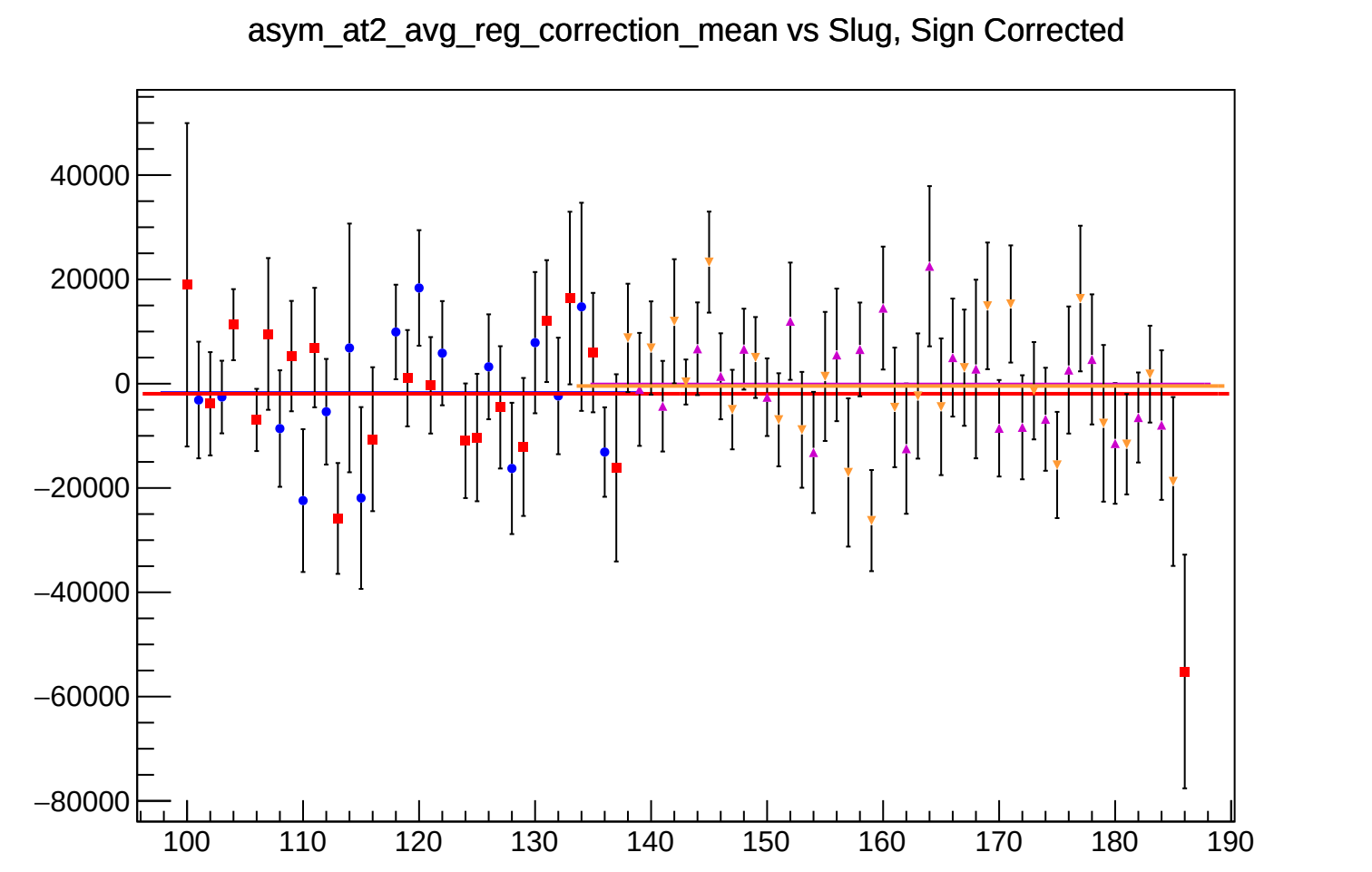
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1662.630+/-0.309 χ^2/NDF: 862761.0/35

In: 1731.537+/-0.244 χ^2/NDF:596073.7/38

Out: 1740.166+/-0.239 χ^2/NDF:941251.7/44

All: 1735.941+/-0.170 χ^2/NDF: 1537965.8/83



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -1932.668+/-2415.897 χ^2/NDF: 23.4/19

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

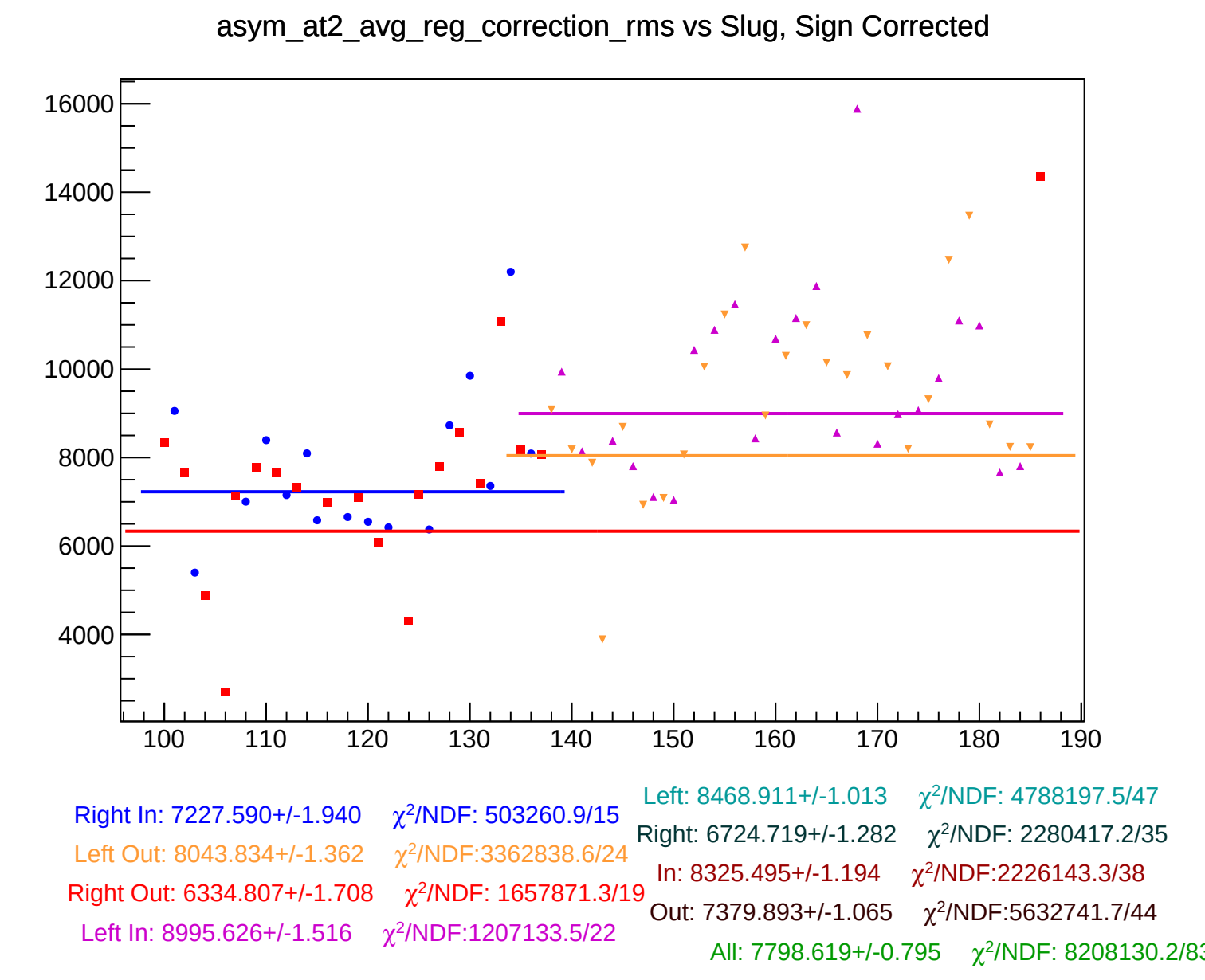
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

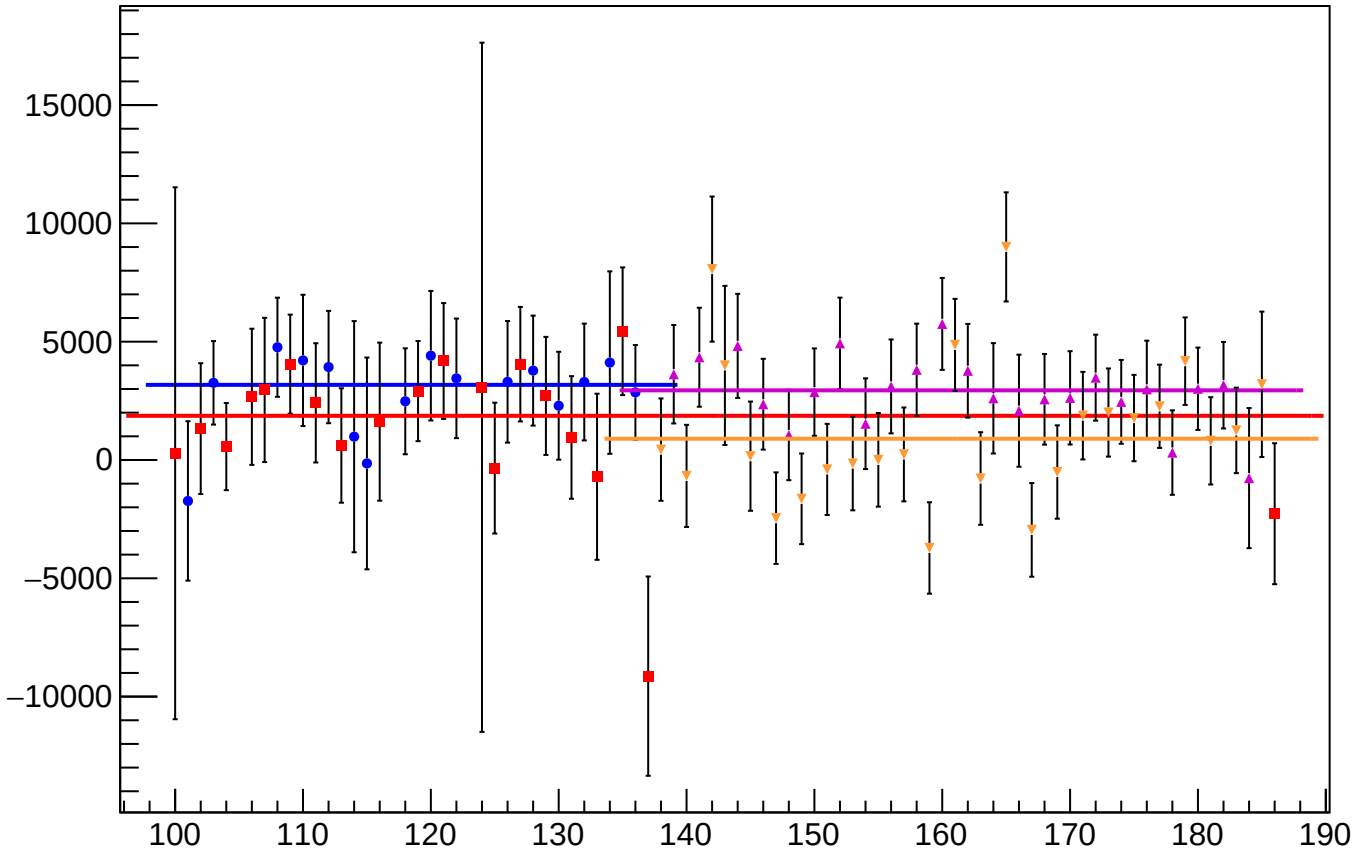
Right: -1870.809+/-1813.150 χ^2/NDF: 37.8/35

In: -775.264+/-1689.110 χ^2/NDF:28.3/38

Out: -1021.933+/-1505.805 χ^2/NDF:53.2/44

All: -912.705+/-1124.006 χ^2/NDF: 81.5/83


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: 7227.590+/-1.940 χ²/NDF: 503260.9/15
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: 6724.719+/-1.282 χ²/NDF: 2280417.2/35
In: 8325.495+/-1.194 χ²/NDF:2226143.3/38
Out: 7379.893+/-1.065 χ²/NDF:5632741.7/44
All: 7798.619+/-0.795 χ²/NDF: 8208130.2/83



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

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

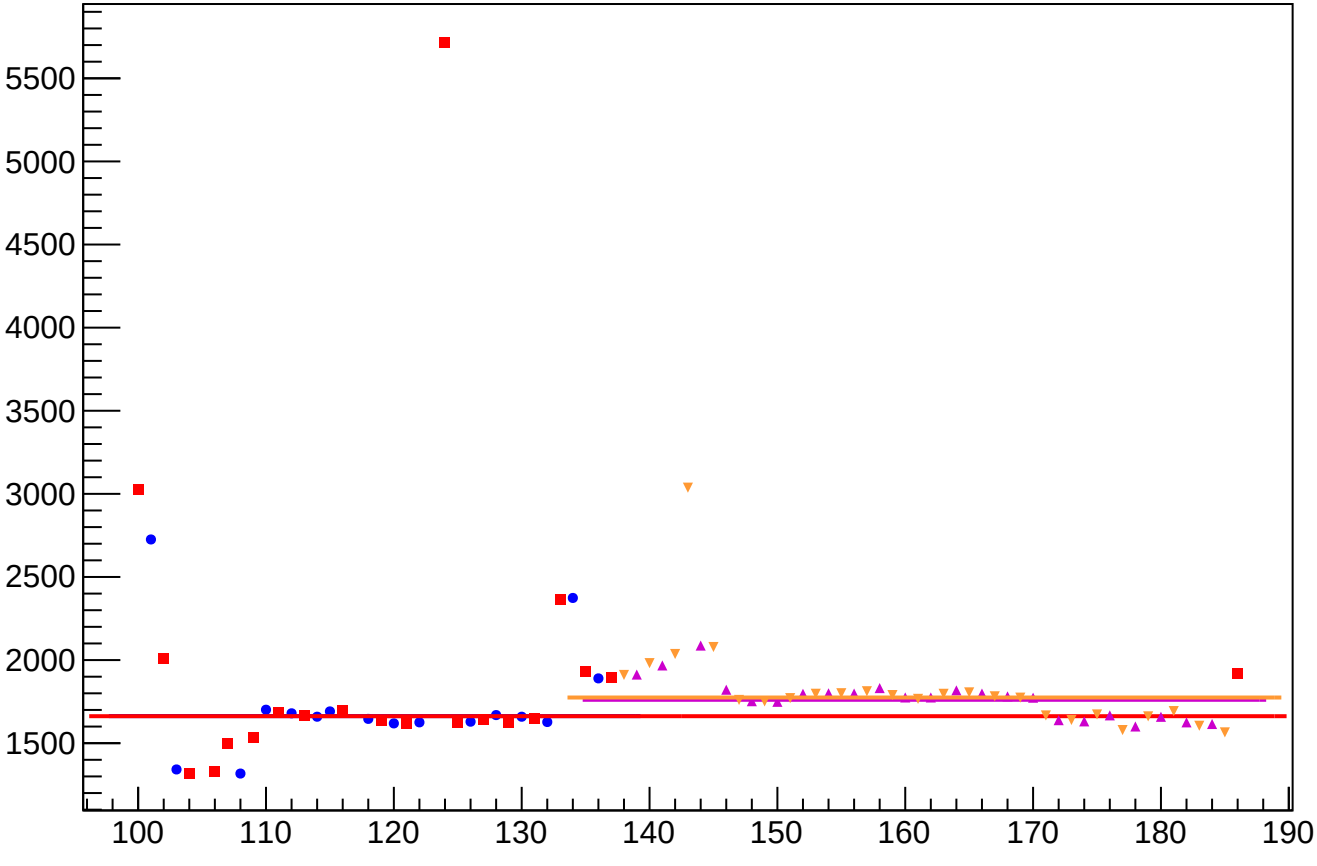
Right: 2500.656+/-436.965 χ^2/NDF: 22.6/35

In: 3013.153+/-344.522 χ^2/NDF:15.0/38

Out: 1196.706+/-337.445 χ^2/NDF:63.1/44

All: 2086.081+/-241.073 χ^2/NDF: 92.2/83

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

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

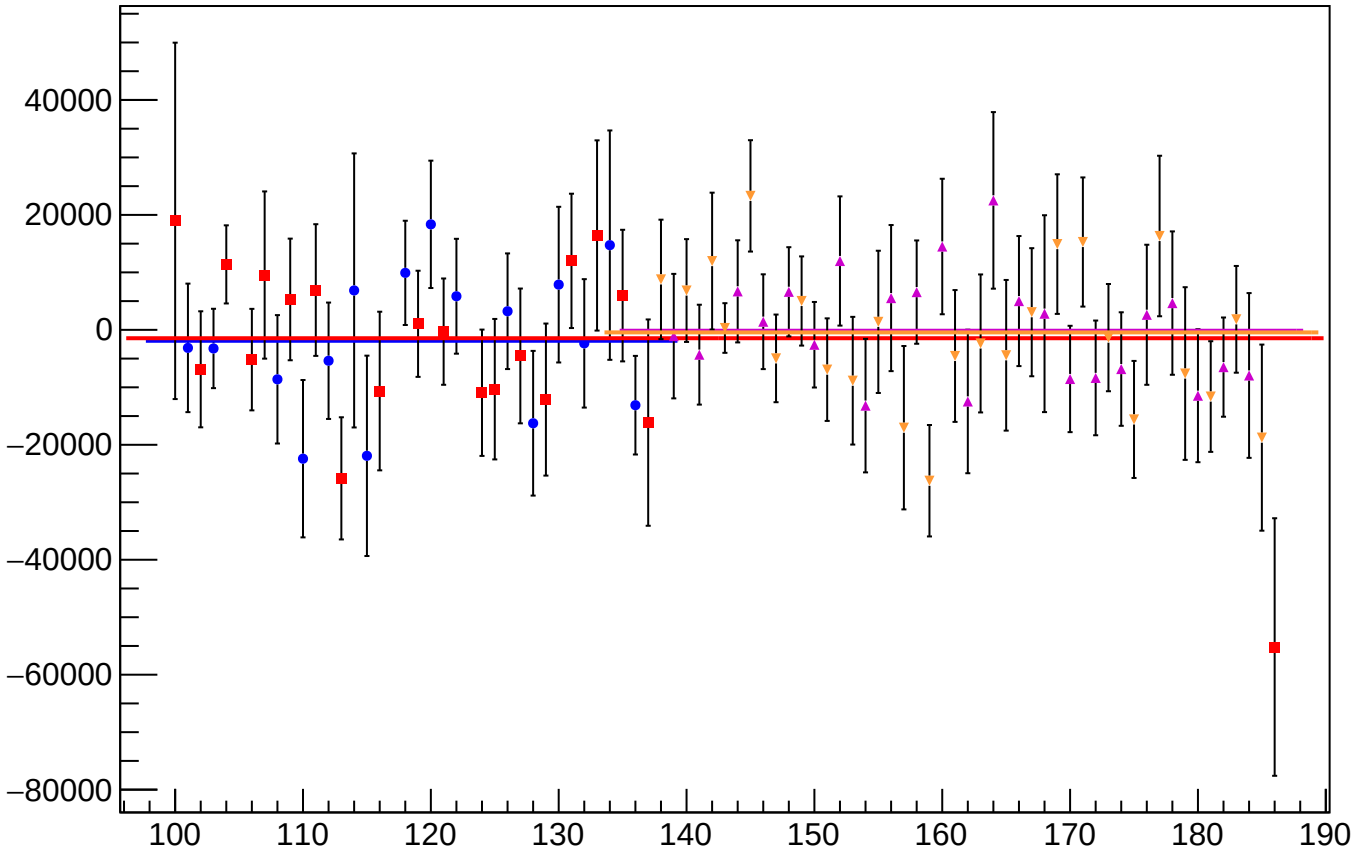
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1662.630+/-0.309 χ^2/NDF: 862761.4/35

In: 1731.537+/-0.244 χ^2/NDF:596074.1/38

Out: 1740.166+/-0.239 χ^2/NDF:941251.9/44

All: 1735.941+/-0.170 χ^2/NDF: 1537966.4/83



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

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

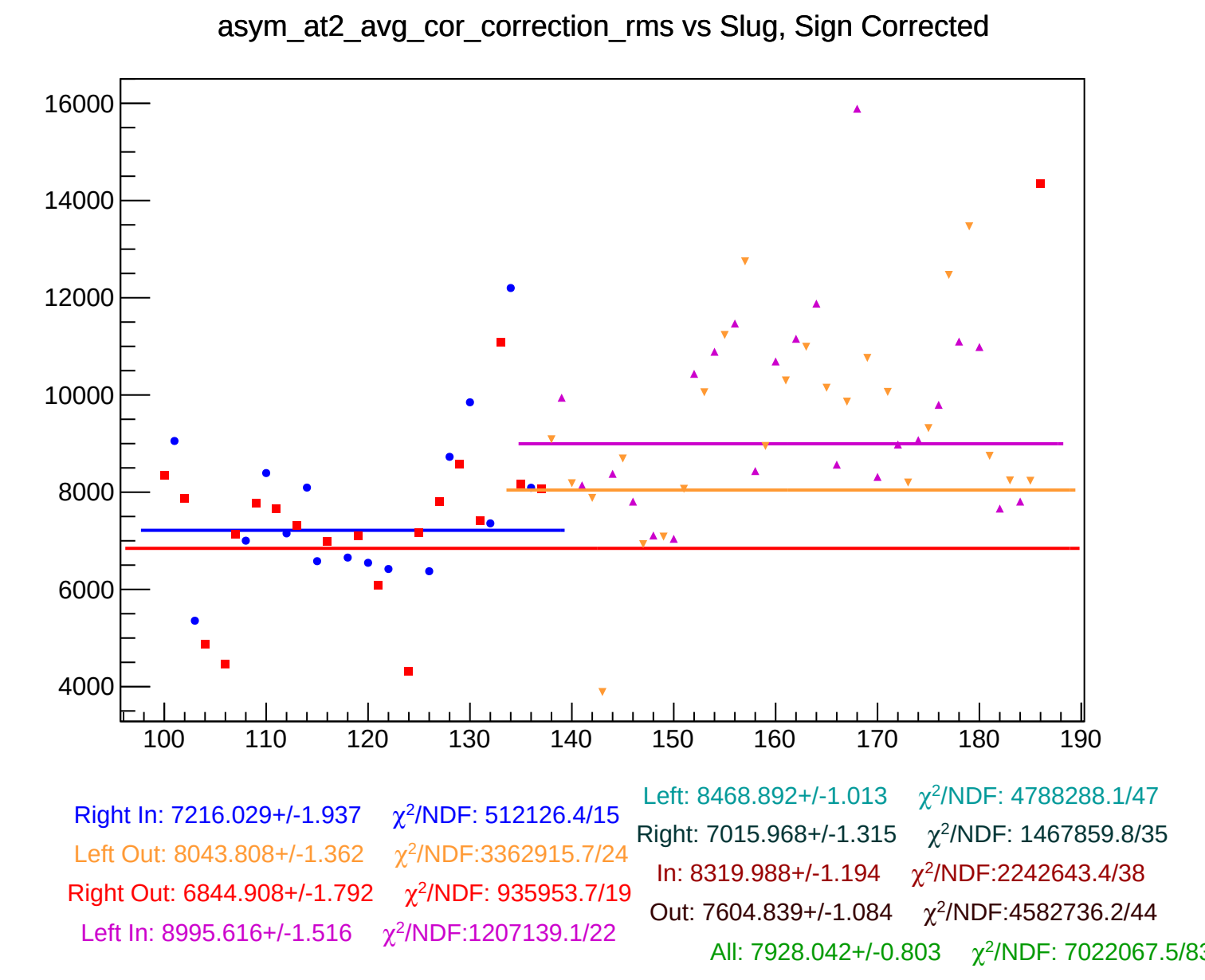
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

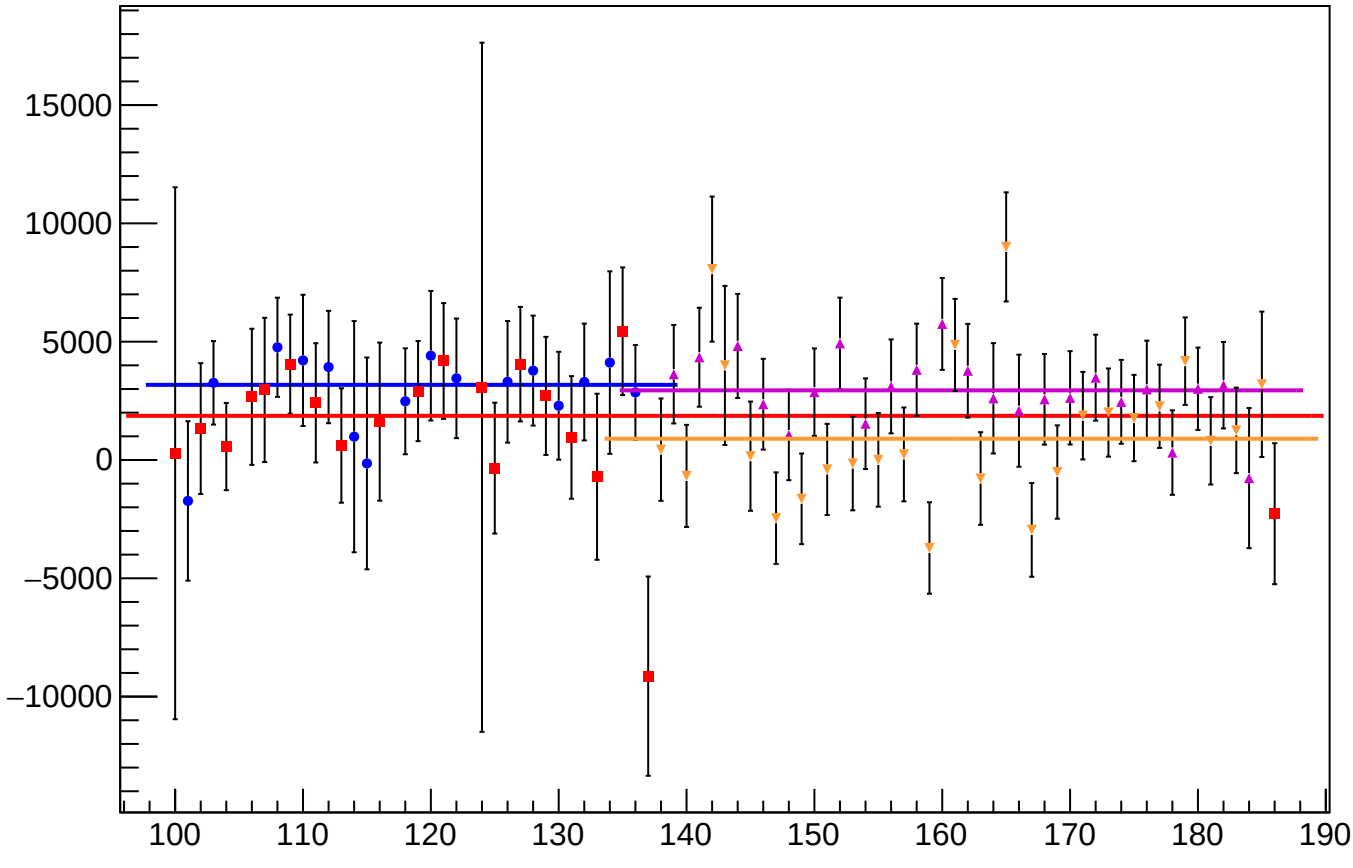
Right: -1661.966+/-1860.200 χ^2/NDF: 37.5/35

In: -817.693+/-1688.253 χ^2/NDF:28.4/38

Out: -815.002+/-1533.069 χ^2/NDF:52.7/44

All: -816.218+/-1134.950 χ^2/NDF: 81.1/83


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: 7216.029+/-1.937 χ²/NDF: 512126.4/15
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: 7015.968+/-1.315 χ²/NDF: 1467859.8/35
In: 8319.988+/-1.194 χ²/NDF:2242643.4/38
Out: 7604.839+/-1.084 χ²/NDF:4582736.2/44
All: 7928.042+/-0.803 χ²/NDF: 7022067.5/83



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

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

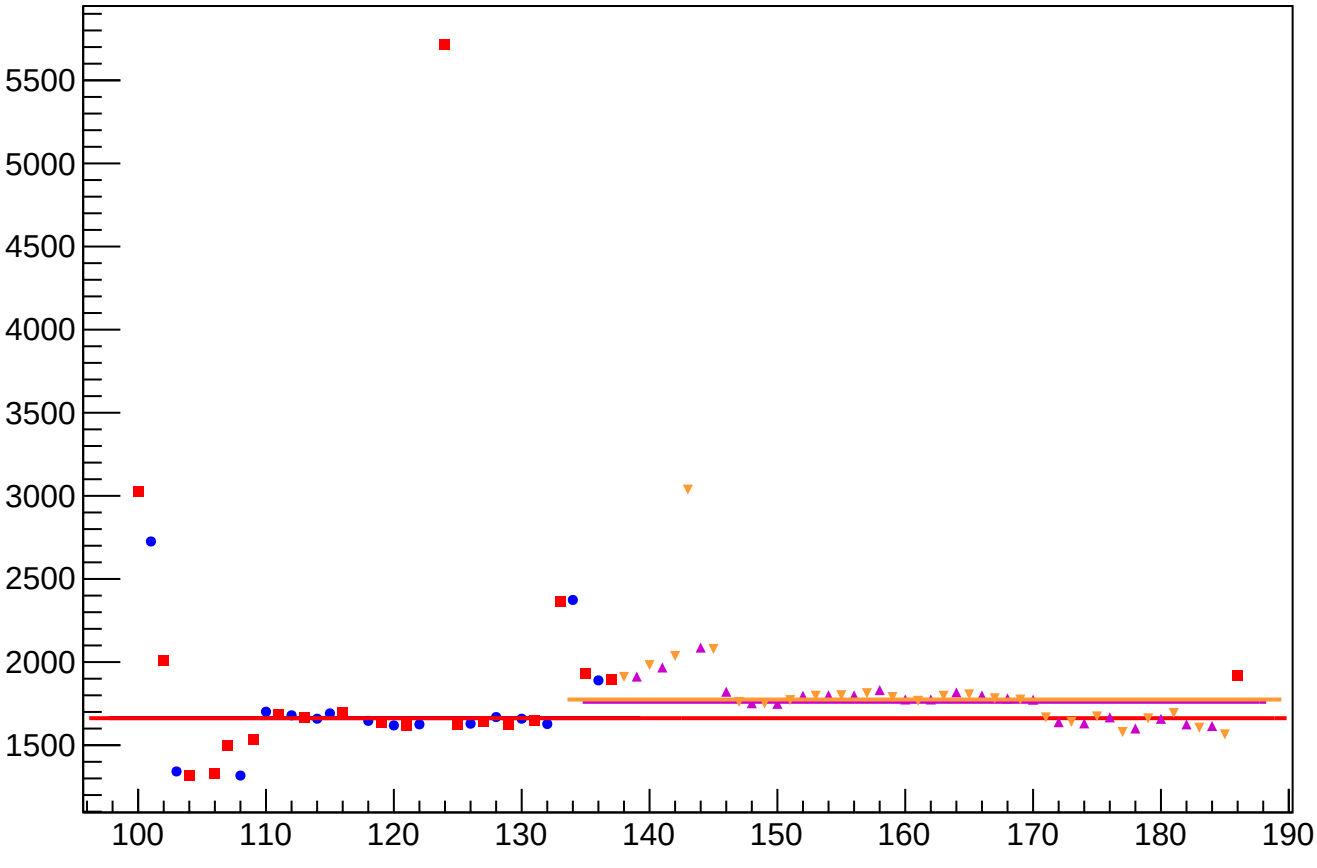
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2500.656+/-436.965 χ^2/NDF: 22.6/35

In: 3013.153+/-344.522 χ^2/NDF:15.0/38

Out: 1196.706+/-337.445 χ^2/NDF:63.1/44

All: 2086.081+/-241.073 χ^2/NDF: 92.2/83



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

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

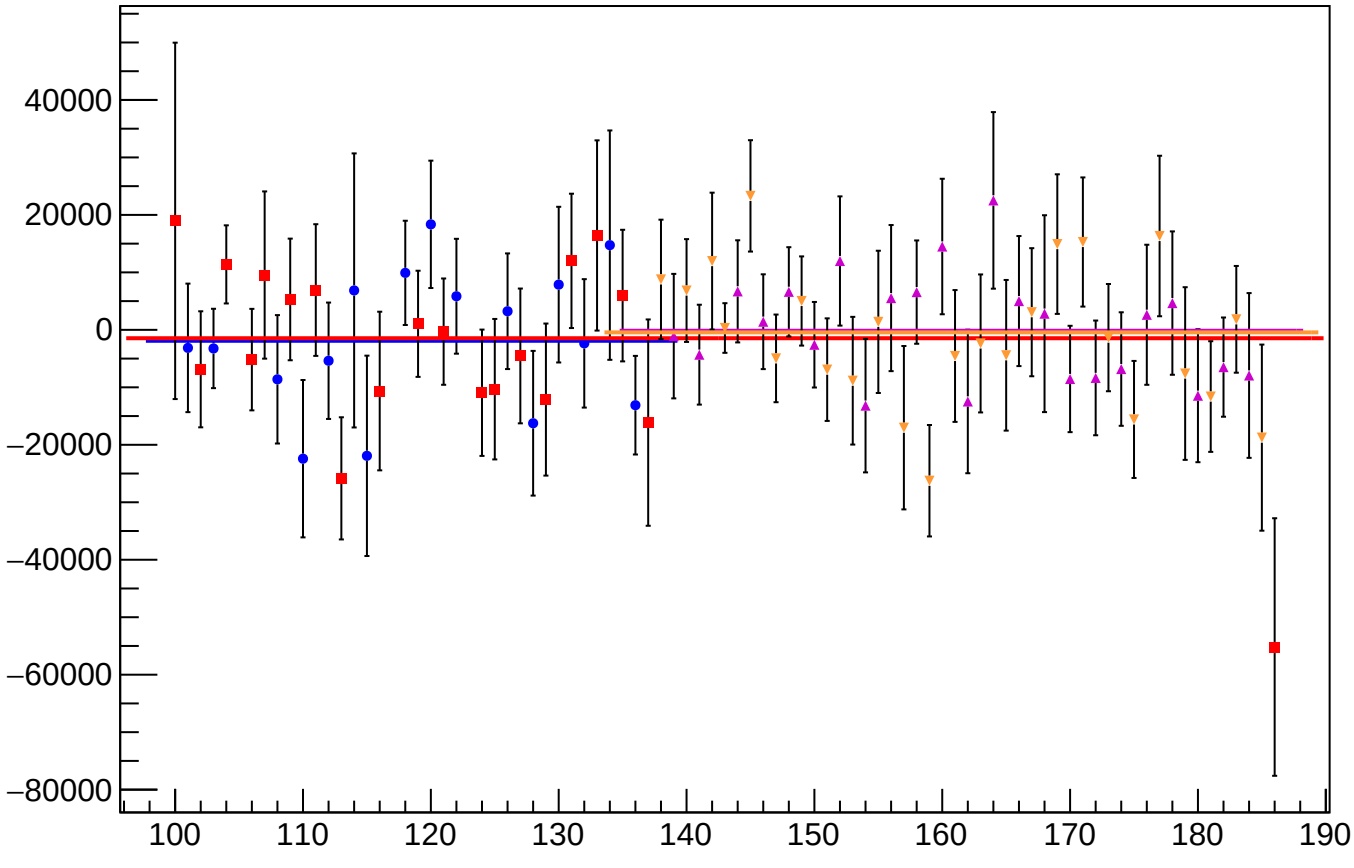
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1662.630+/-0.309 χ^2/NDF: 862761.4/35

In: 1731.537+/-0.244 χ^2/NDF:596074.1/38

Out: 1740.166+/-0.239 χ^2/NDF:941251.9/44

All: 1735.941+/-0.170 χ^2/NDF: 1537966.4/83



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

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

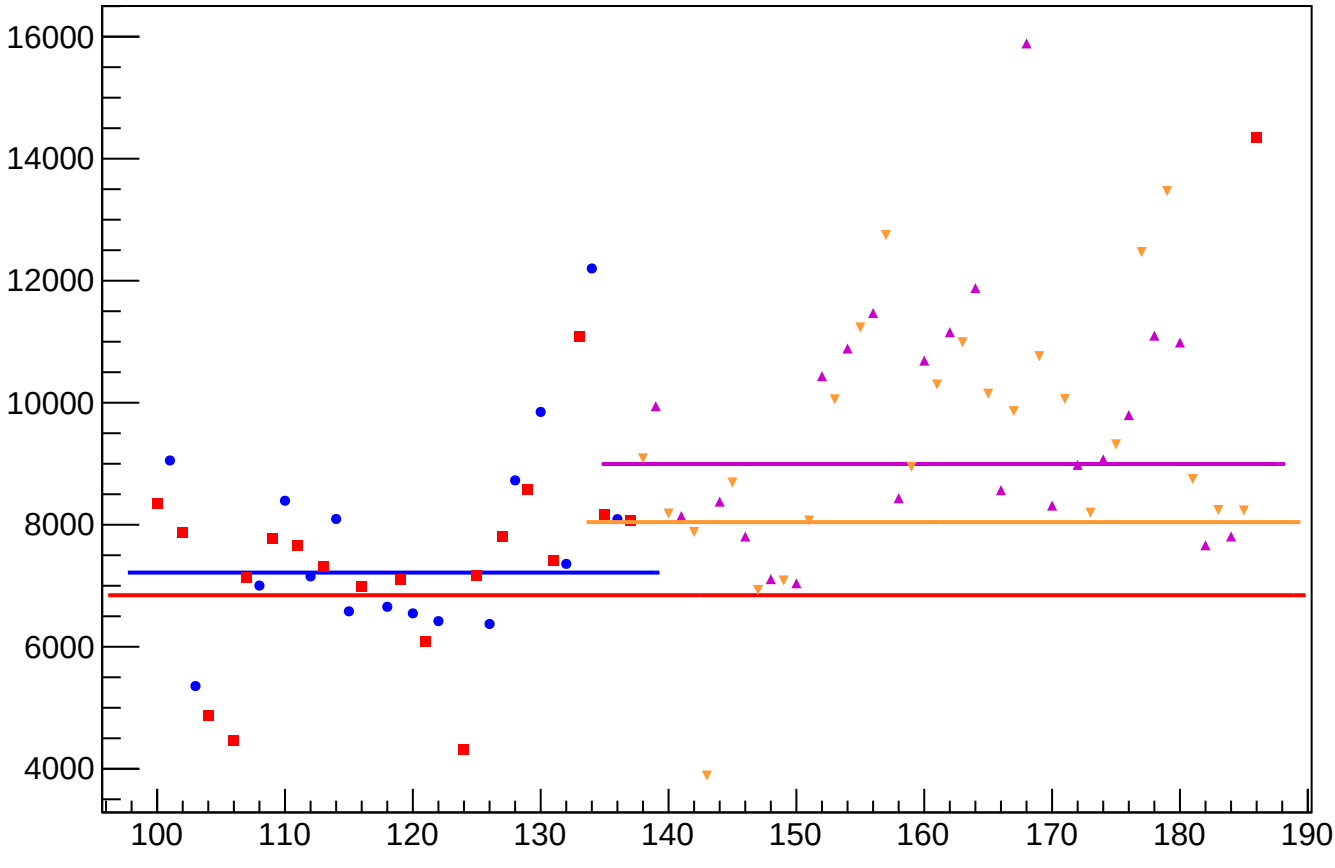
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1661.966+/-1860.200 χ^2/NDF: 37.5/35

In: -817.693+/-1688.253 χ^2/NDF:28.4/38

Out: -815.002+/-1533.069 χ^2/NDF:52.7/44

All: -816.218+/-1134.950 χ^2/NDF: 81.1/83



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

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

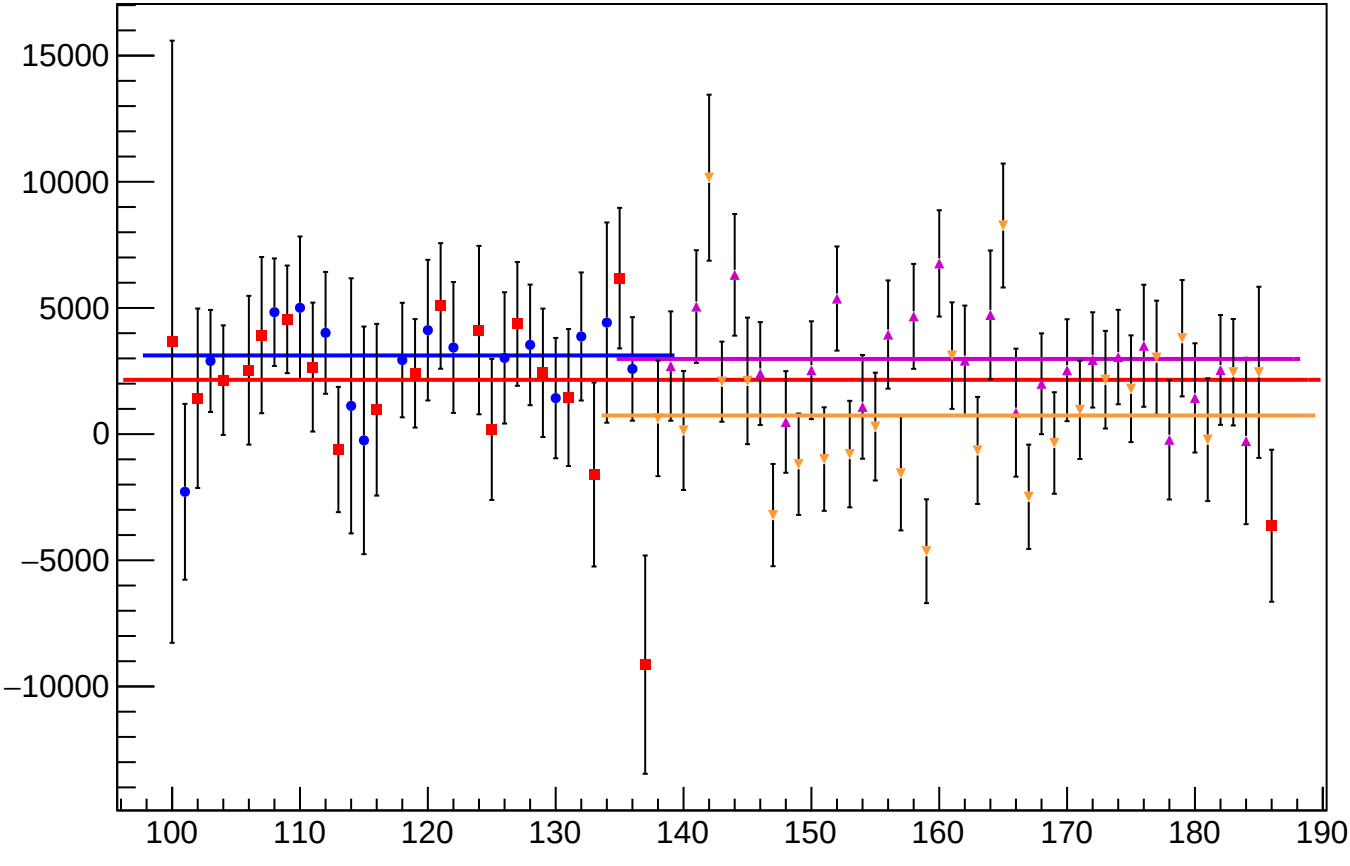
Right: 7015.968+/-1.315 χ^2/NDF: 1467859.8/35

In: 8319.988+/-1.194 χ^2/NDF:2242643.4/38

Out: 7604.839+/-1.084 χ^2/NDF:4582736.2/44

All: 7928.042+/-0.803 χ^2/NDF: 7022067.5/83

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

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

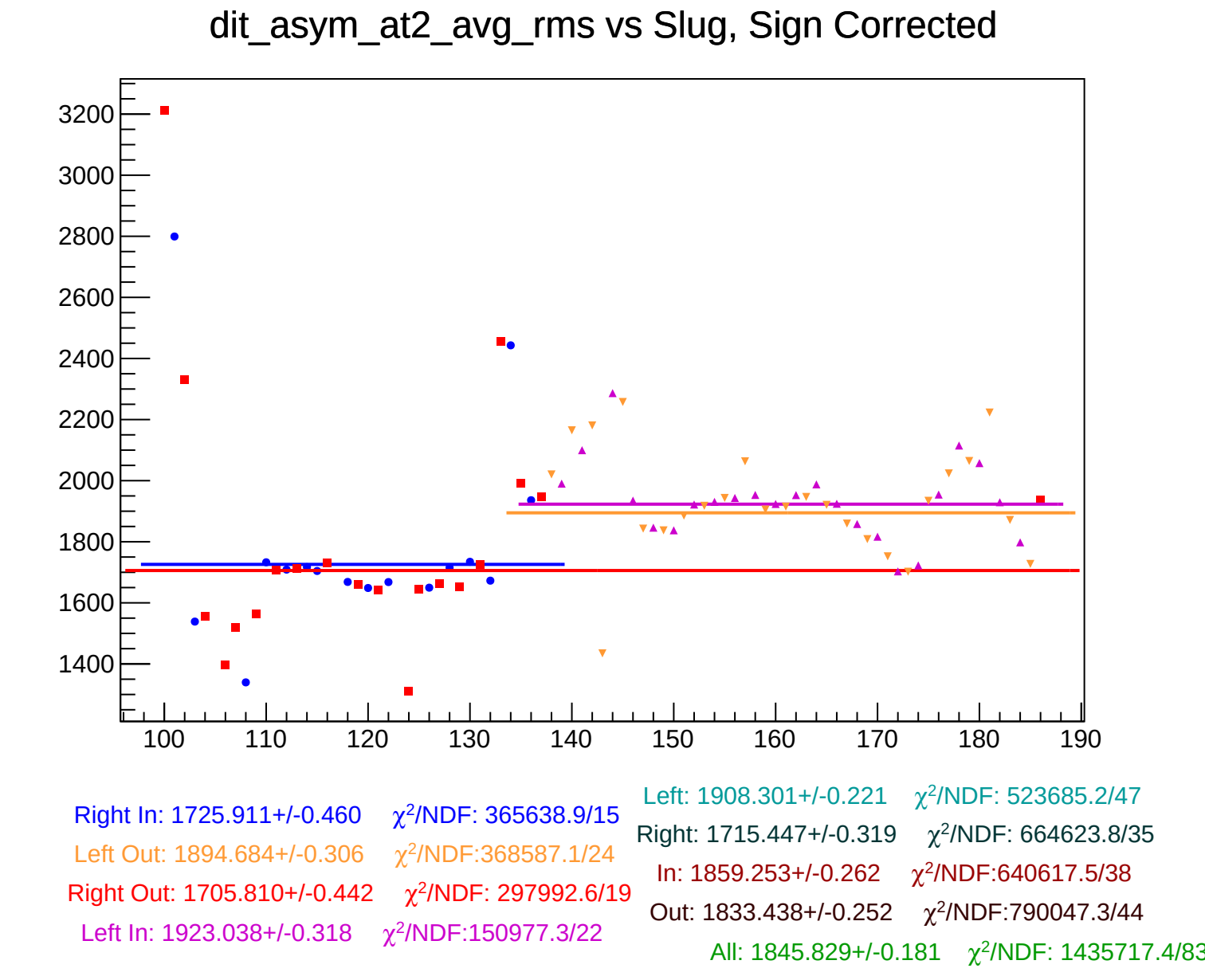
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2615.365+/-450.932 χ^2/NDF: 26.3/35

In: 3024.089+/-370.379 χ^2/NDF:21.0/38

Out: 1197.058+/-355.879 χ^2/NDF:64.9/44

All: 2074.112+/-256.617 χ^2/NDF: 98.5/83


dit_asym_at2_avg_rms vs Slug, Sign Corrected
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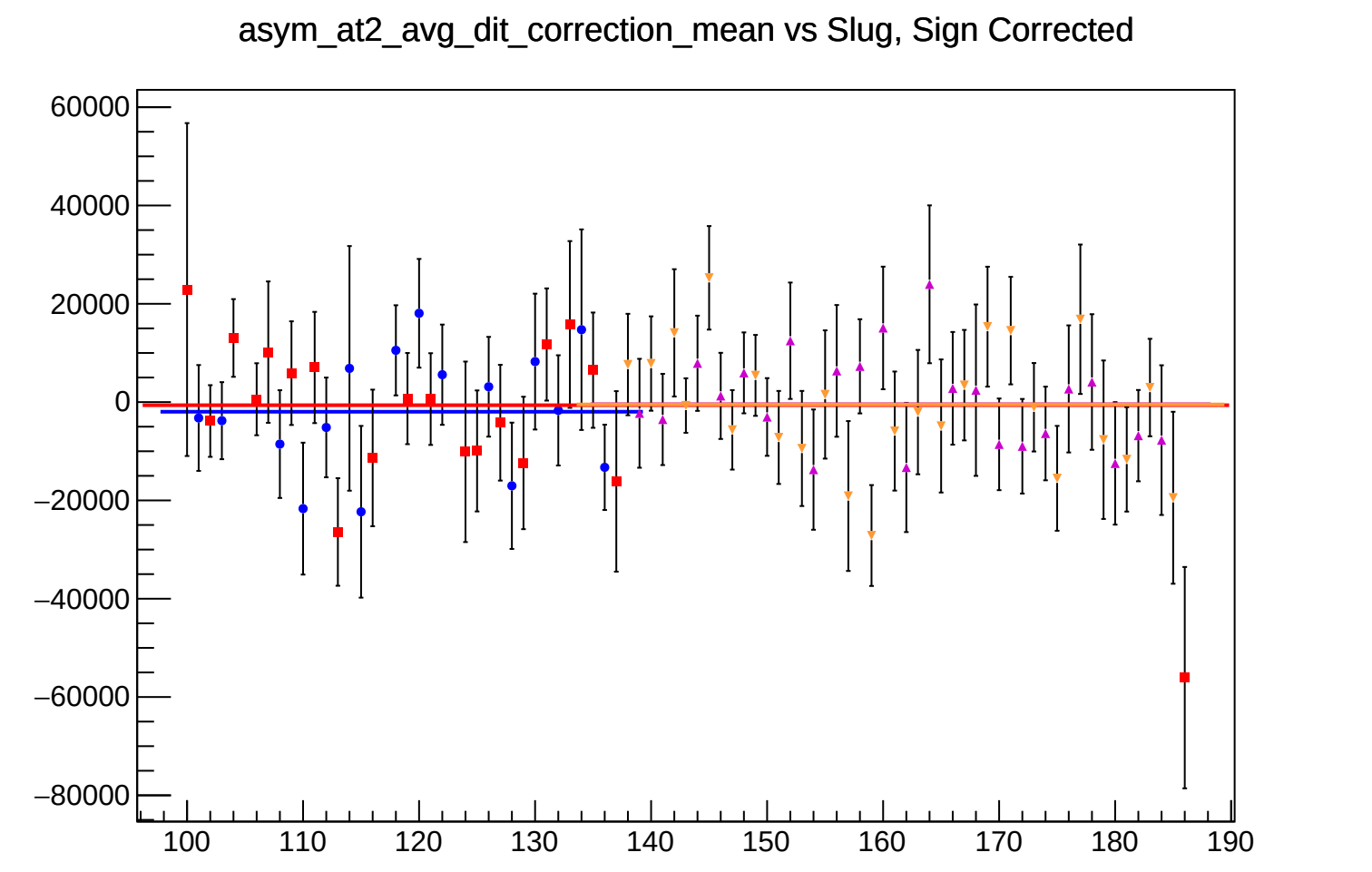
Right In: 1725.911+/-0.460 χ²/NDF: 365638.9/15
Left Out: 1894.684+/-0.306 χ²/NDF:368587.1/24
Right Out: 1705.810+/-0.442 χ²/NDF: 297992.6/19
Left In: 1923.038+/-0.318 χ²/NDF:150977.3/22
Left: 1908.301+/-0.221 χ²/NDF: 523685.2/47
Right: 1715.447+/-0.319 χ²/NDF: 664623.8/35
In: 1859.253+/-0.262 χ²/NDF:640617.5/38
Out: 1833.438+/-0.252 χ²/NDF:790047.3/44
All: 1845.829+/-0.181 χ²/NDF: 1435717.4/83



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

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

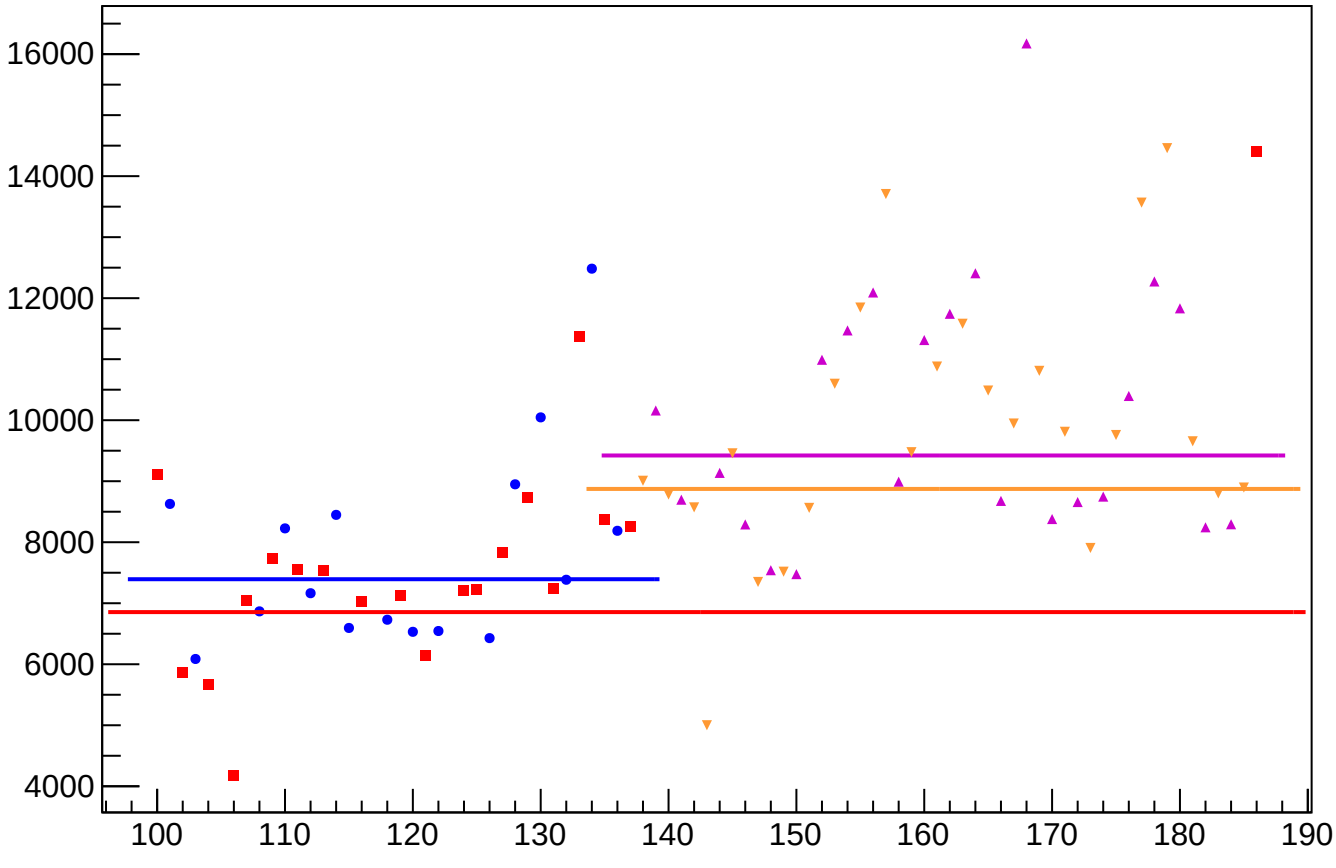
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1224.042+/-1870.012 χ^2/NDF: 36.8/35

In: -1032.718+/-1751.195 χ^2/NDF:28.1/38

Out: -541.436+/-1606.731 χ^2/NDF:51.1/44

All: -765.981+/-1183.914 χ^2/NDF: 79.2/83



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

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

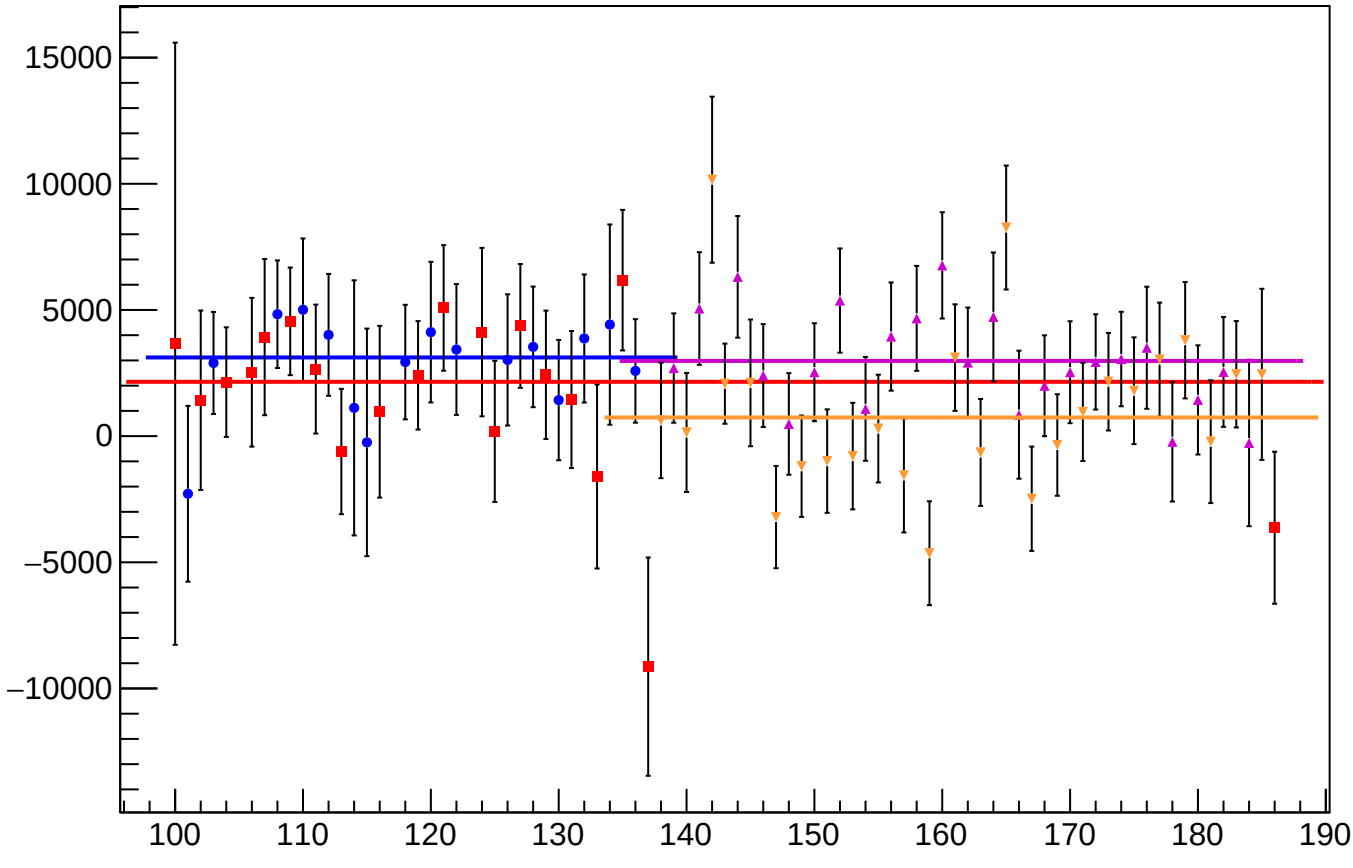
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7095.422+/-1.322 χ^2/NDF: 1315259.4/35

In: 8627.445+/-1.238 χ^2/NDF:2245788.0/38

Out: 8048.795+/-1.136 χ^2/NDF:3838593.6/44

All: 8313.271+/-0.837 χ^2/NDF: 6202944.3/83



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2152.215+/-625.105 χ^2/NDF: 19.8/19

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

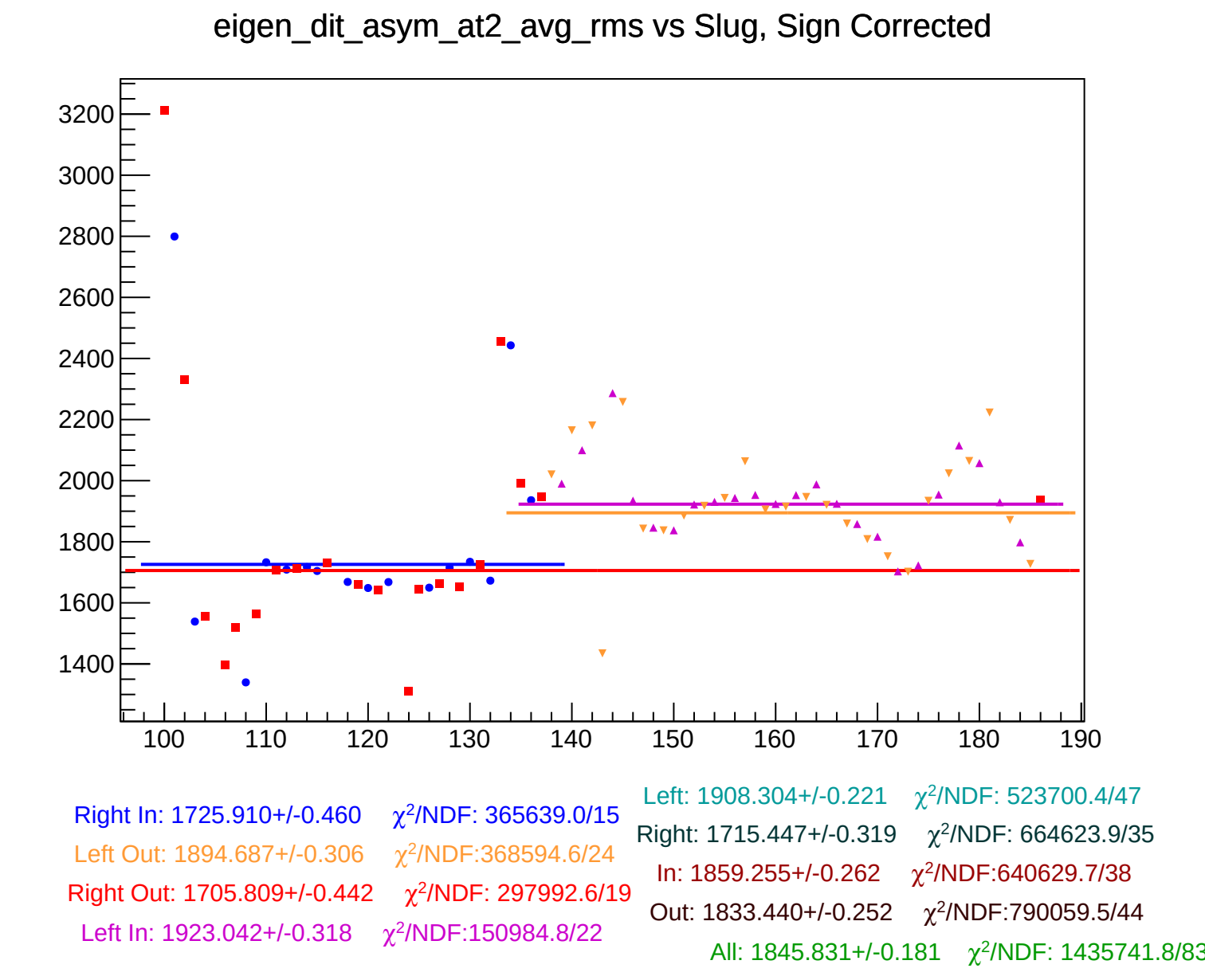
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2615.374+/-450.932 χ^2/NDF: 26.3/35

In: 3024.091+/-370.379 χ^2/NDF:21.0/38

Out: 1197.056+/-355.879 χ^2/NDF:64.9/44

All: 2074.112+/-256.618 χ^2/NDF: 98.5/83


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
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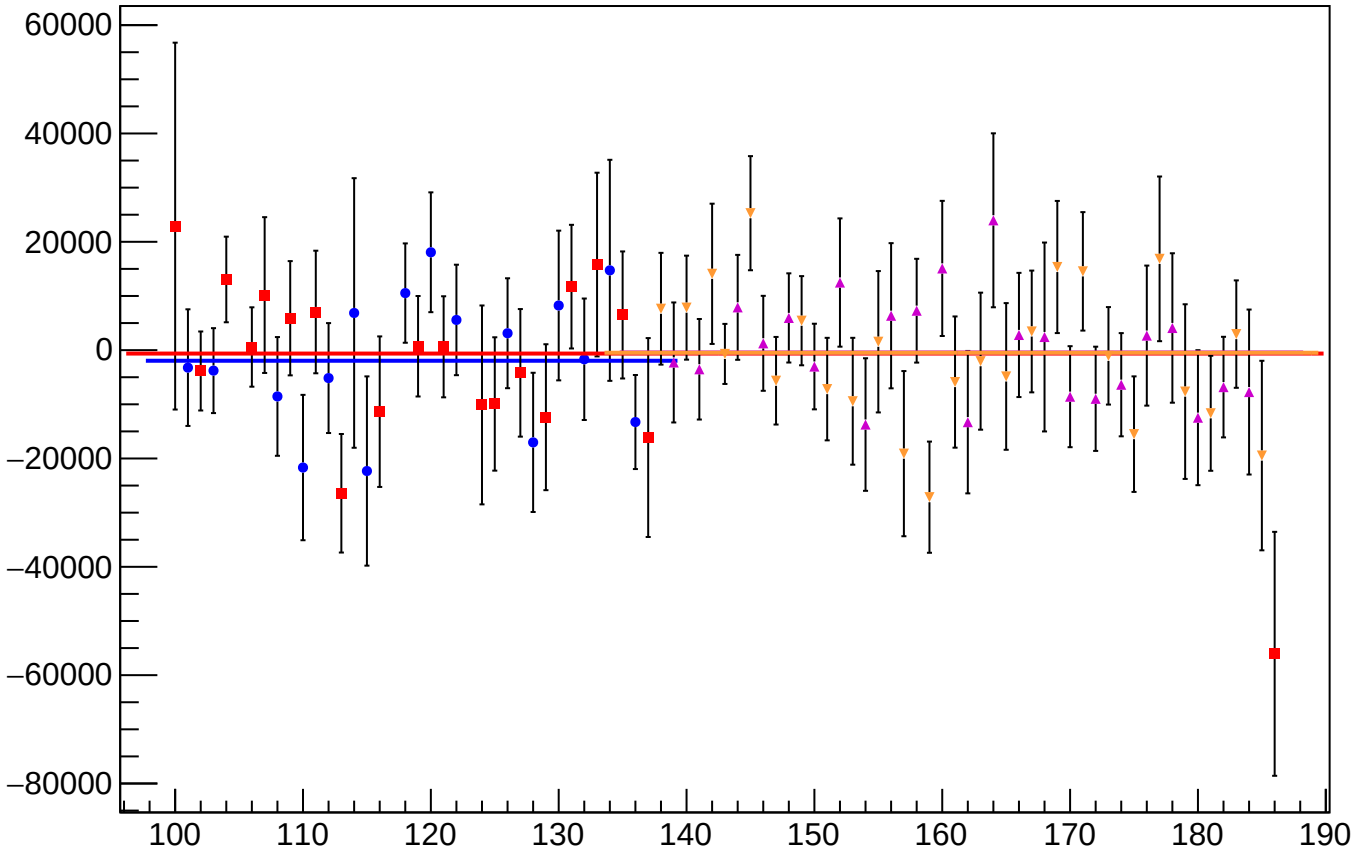
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1894.687+/-0.306 χ²/NDF:368594.6/24
Right Out: 1705.809+/-0.442 χ²/NDF: 297992.6/19
Left In: 1923.042+/-0.318 χ²/NDF:150984.8/22
Left: 1908.304+/-0.221 χ²/NDF: 523700.4/47
Right: 1715.447+/-0.319 χ²/NDF: 664623.9/35
In: 1859.255+/-0.262 χ²/NDF:640629.7/38
Out: 1833.440+/-0.252 χ²/NDF:790059.5/44
All: 1845.831+/-0.181 χ²/NDF: 1435741.8/83



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

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

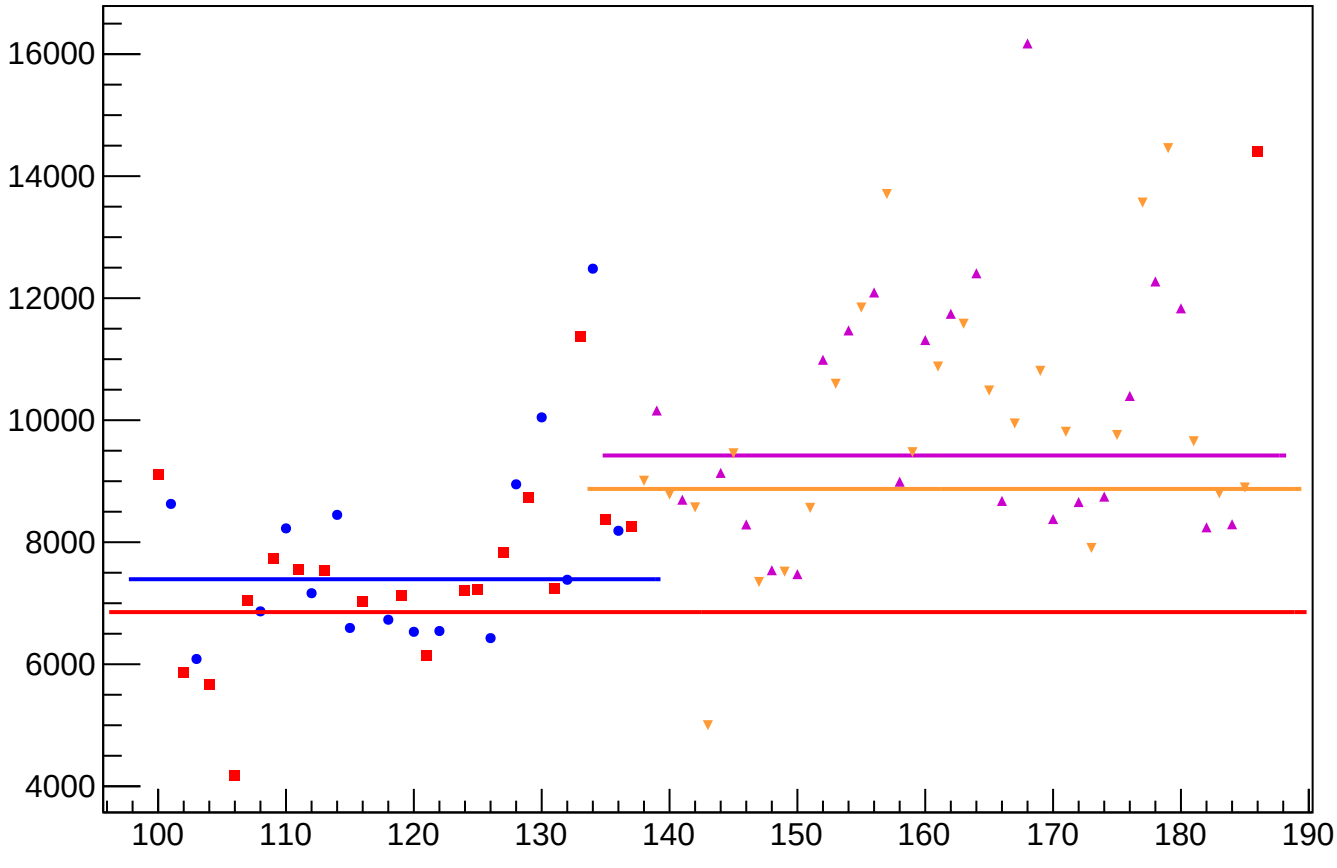
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1224.028+/-1870.008 χ^2/NDF: 36.8/35

In: -1032.715+/-1751.195 χ^2/NDF:28.1/38

Out: -541.437+/-1606.731 χ^2/NDF:51.1/44

All: -765.979+/-1183.914 χ^2/NDF: 79.2/83



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

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

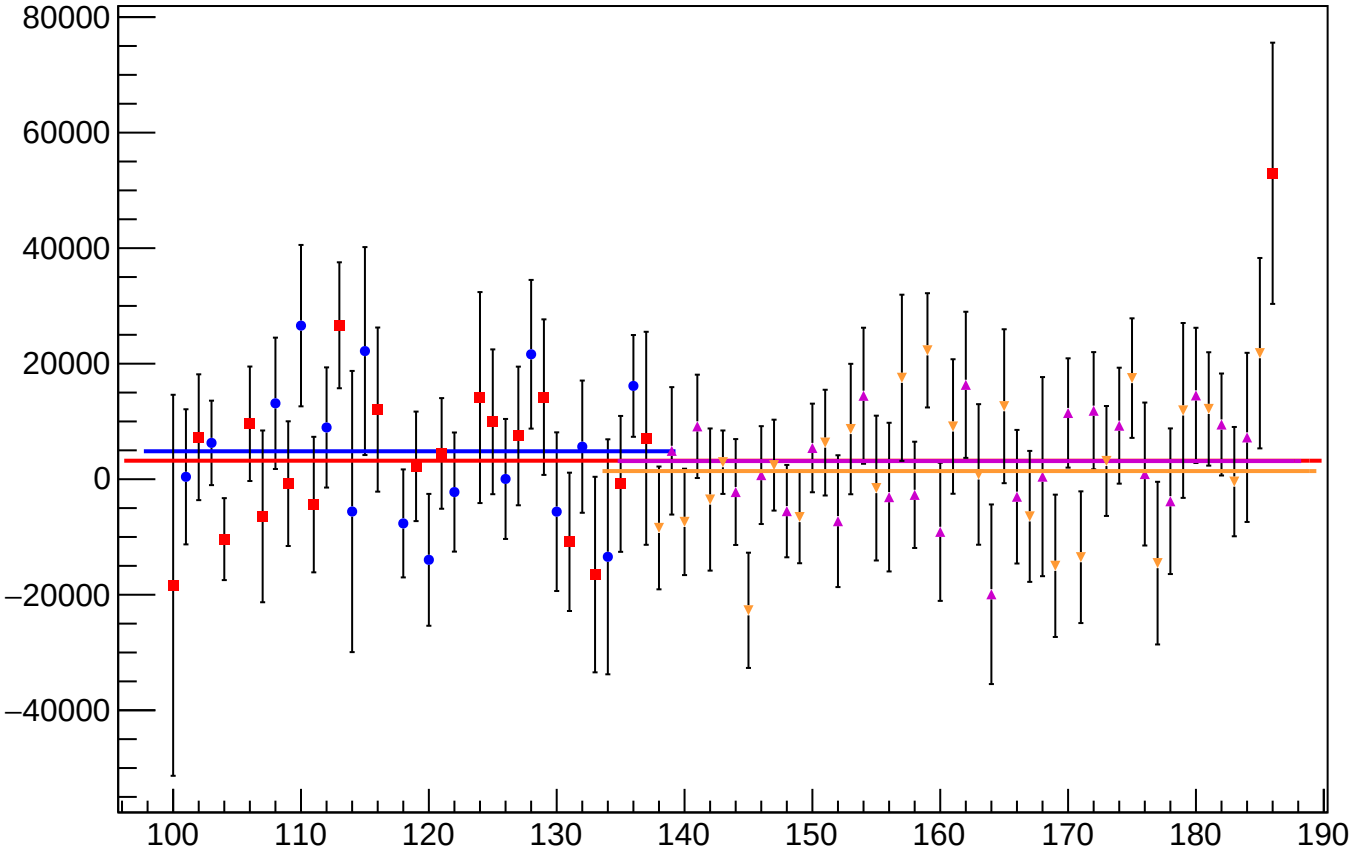
Right: 7095.406+/-1.322 χ^2/NDF: 1315260.6/35

In: 8627.443+/-1.238 χ^2/NDF:2245815.1/38

Out: 8048.793+/-1.136 χ^2/NDF:3838617.1/44

All: 8313.270+/-0.837 χ^2/NDF: 6202994.5/83

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

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

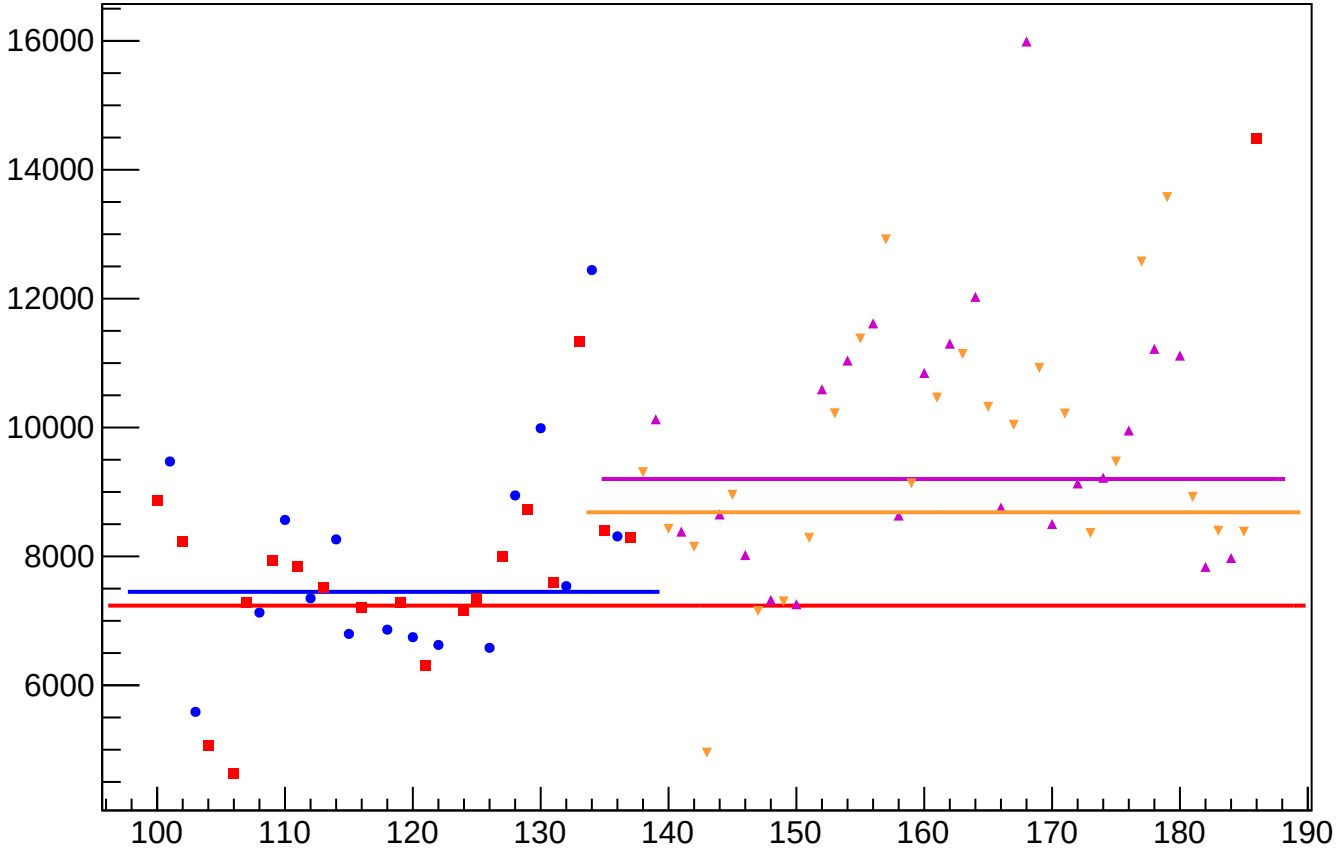
Right: 3975.182+/-1944.253 χ^2/NDF: 34.3/35

In: 3775.566+/-1731.459 χ^2/NDF:27.5/38

Out: 2067.713+/-1622.429 χ^2/NDF:47.6/44

All: 2866.179+/-1183.900 χ^2/NDF: 75.6/83

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

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

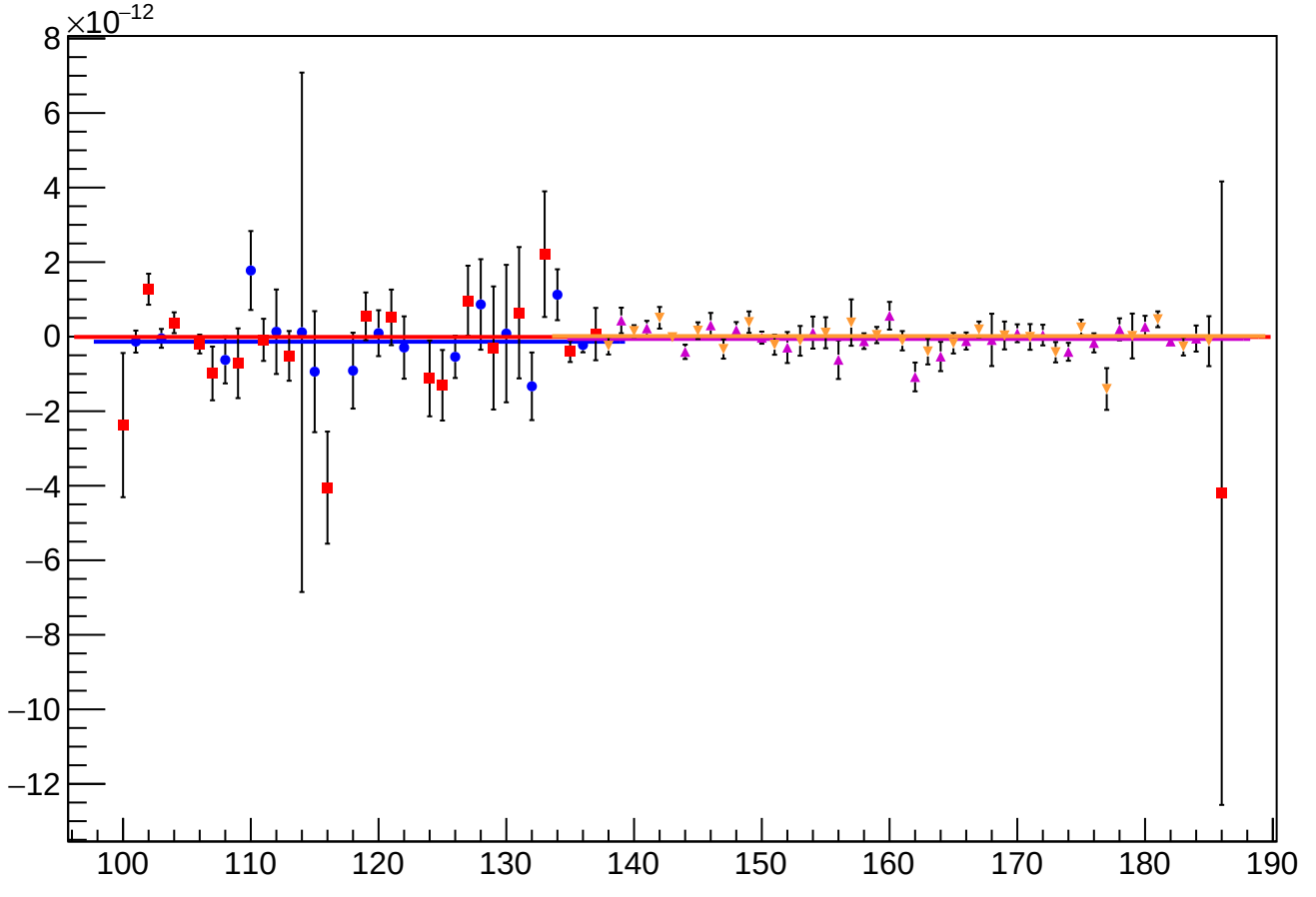
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7337.105+/-1.375 χ^2/NDF: 1257734.5/35

In: 8544.911+/-1.224 χ^2/NDF:2094943.1/38

Out: 8152.291+/-1.147 χ^2/NDF:3187442.2/44

All: 8335.847+/-0.837 χ^2/NDF: 5337145.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

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

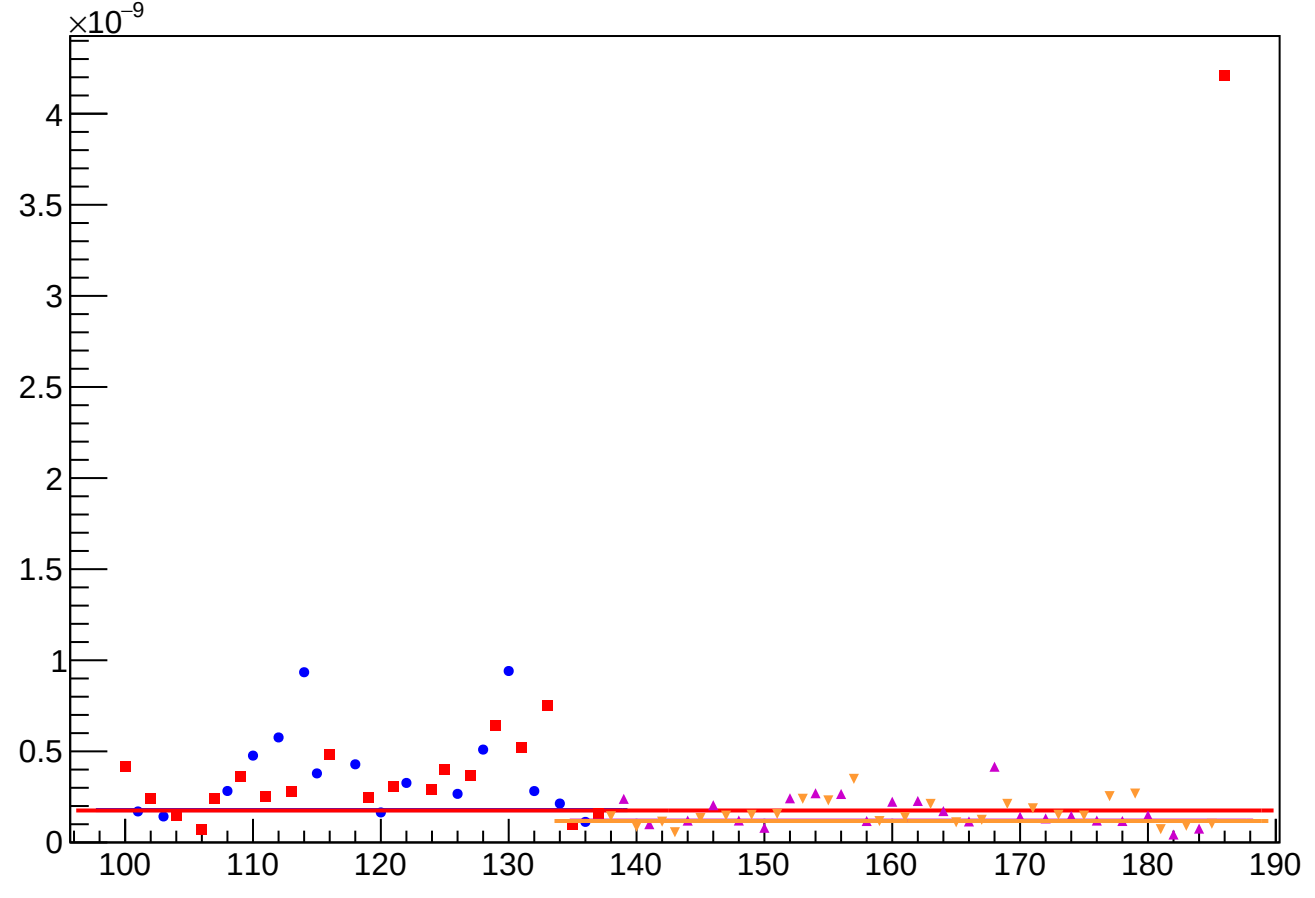
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 45.1/35

In: -0.000+/-0.000 χ^2/NDF:39.7/38

Out: 0.000+/-0.000 χ^2/NDF:61.9/44

All: -0.000+/-0.000 χ^2/NDF: 103.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

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

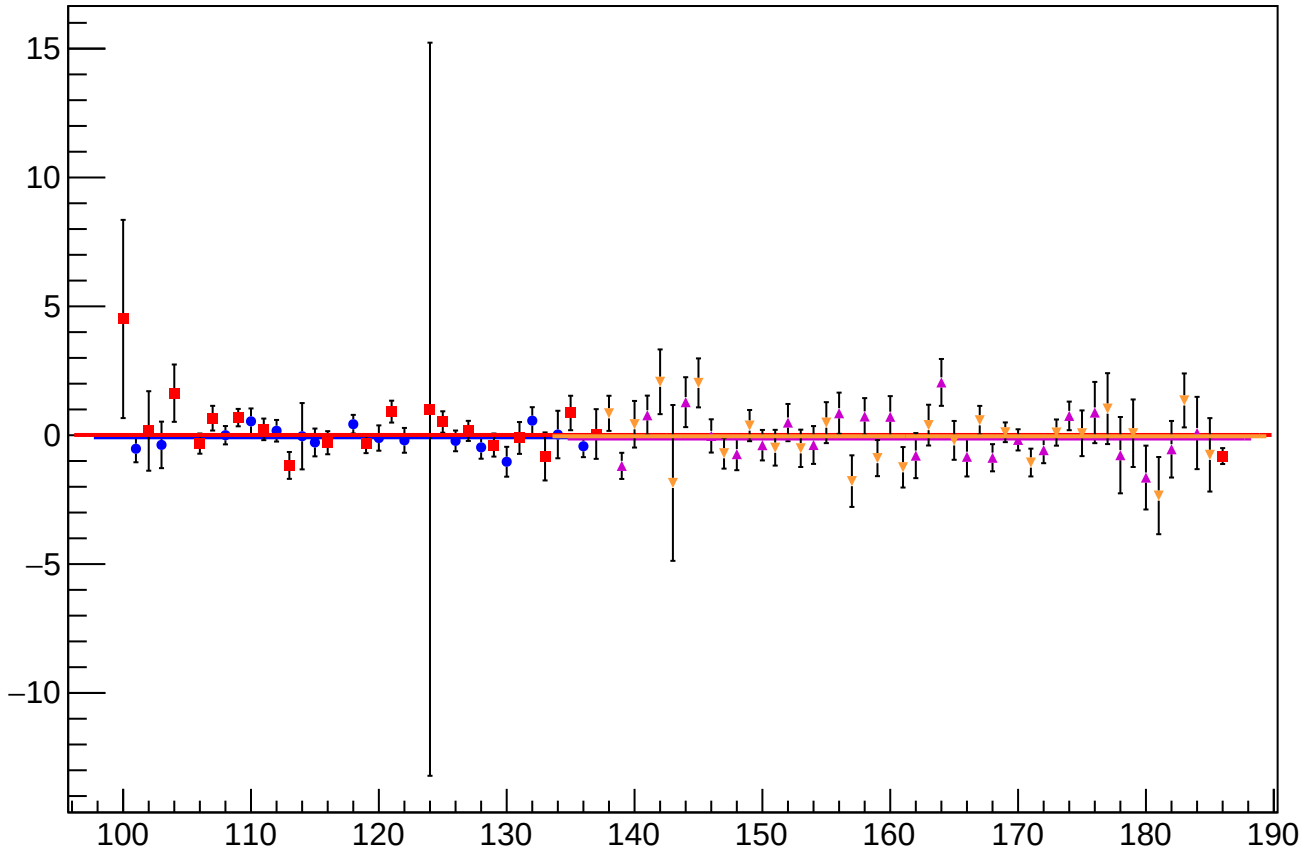
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 3637644.3/35

In: 0.000+/-0.000 χ^2/NDF:4581943.0/38

Out: 0.000+/-0.000 χ^2/NDF:4823494.3/44

All: 0.000+/-0.000 χ^2/NDF: 9410803.5/83



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

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

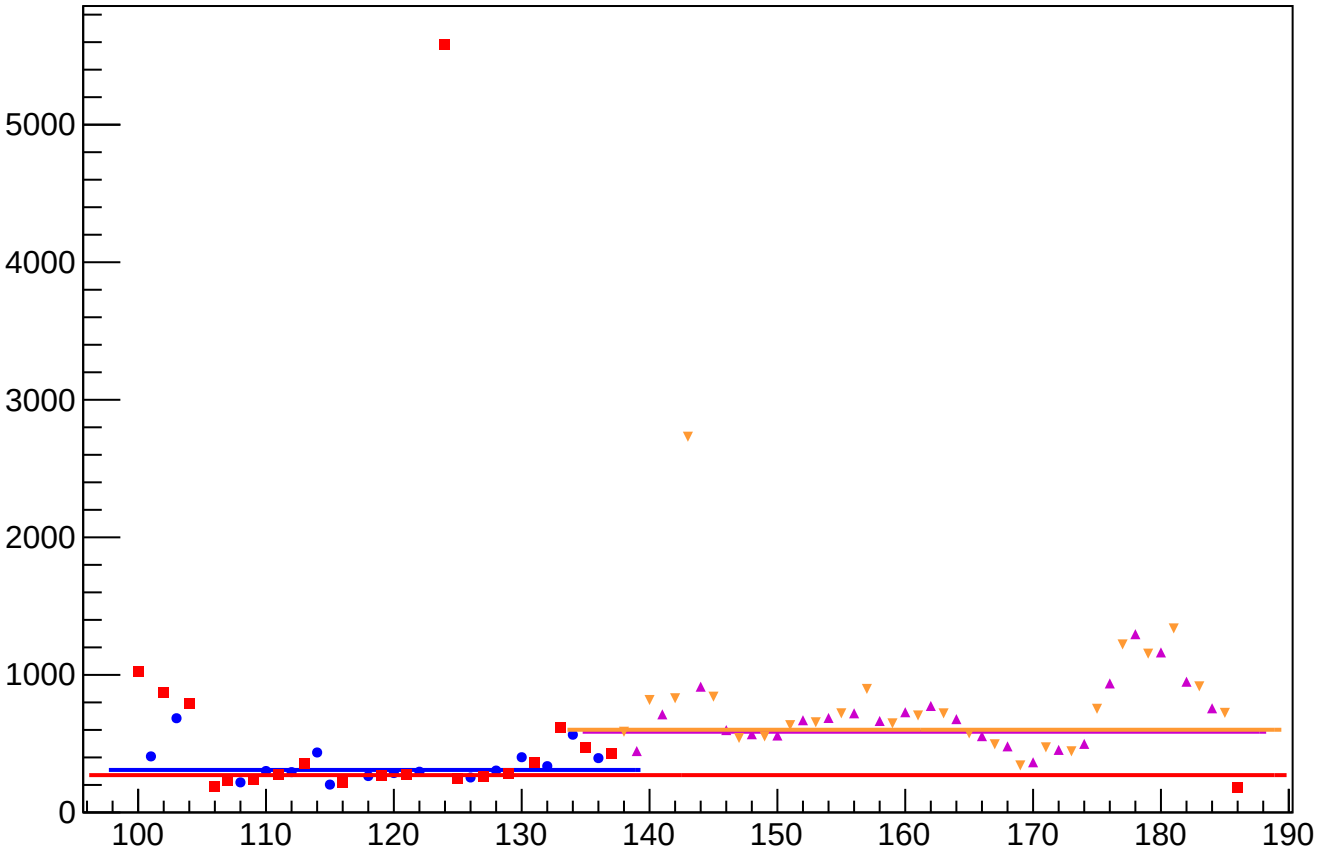
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.030+/-0.081 χ^2/NDF: 44.4/35

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.051+/-0.064 χ^2/NDF: 103.9/83



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

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

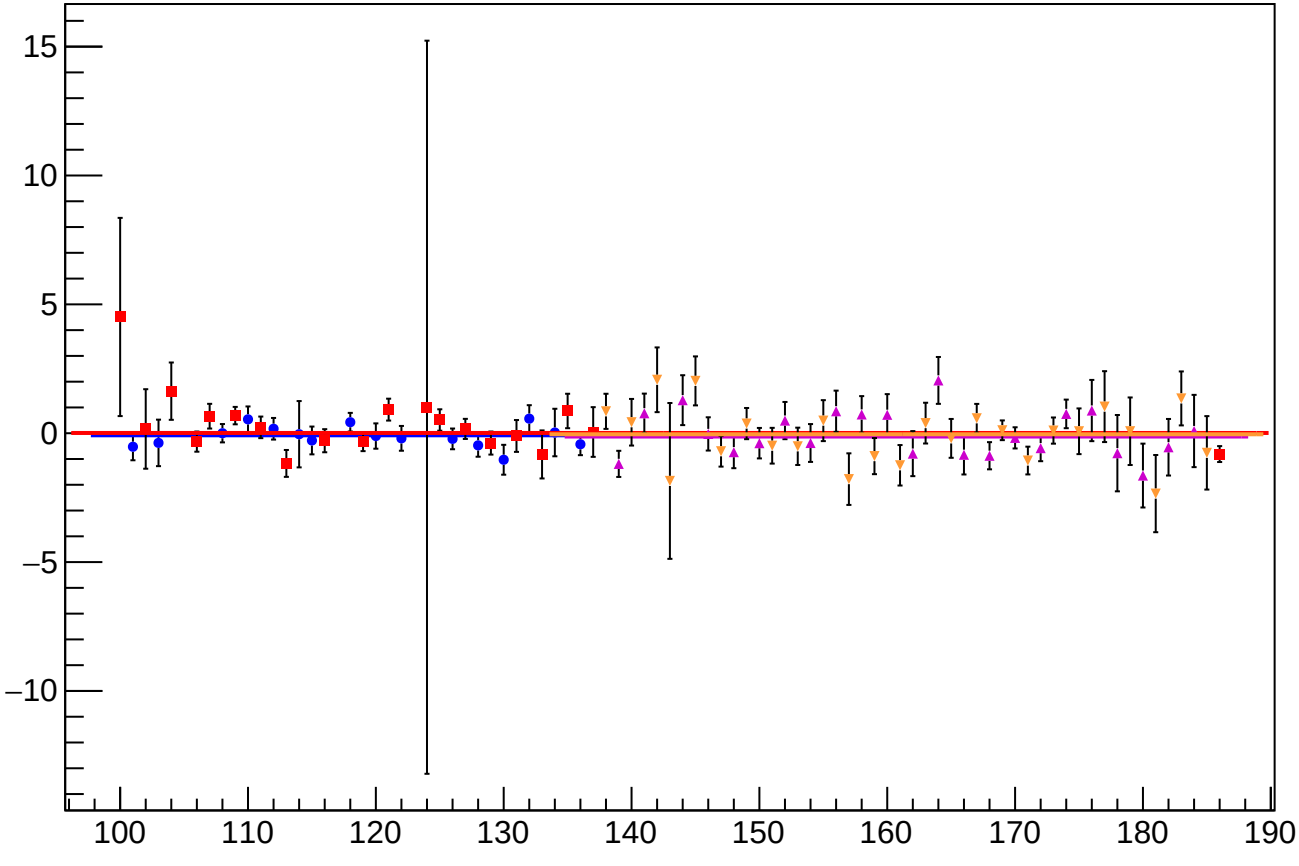
Right: 288.218+/-0.058 χ^2/NDF: 3167332.5/35

In: 423.875+/-0.066 χ^2/NDF:8241985.1/38

Out: 388.348+/-0.062 χ^2/NDF:12959399.6/44

All: 405.033+/-0.045 χ^2/NDF: 21355039.9/83

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-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

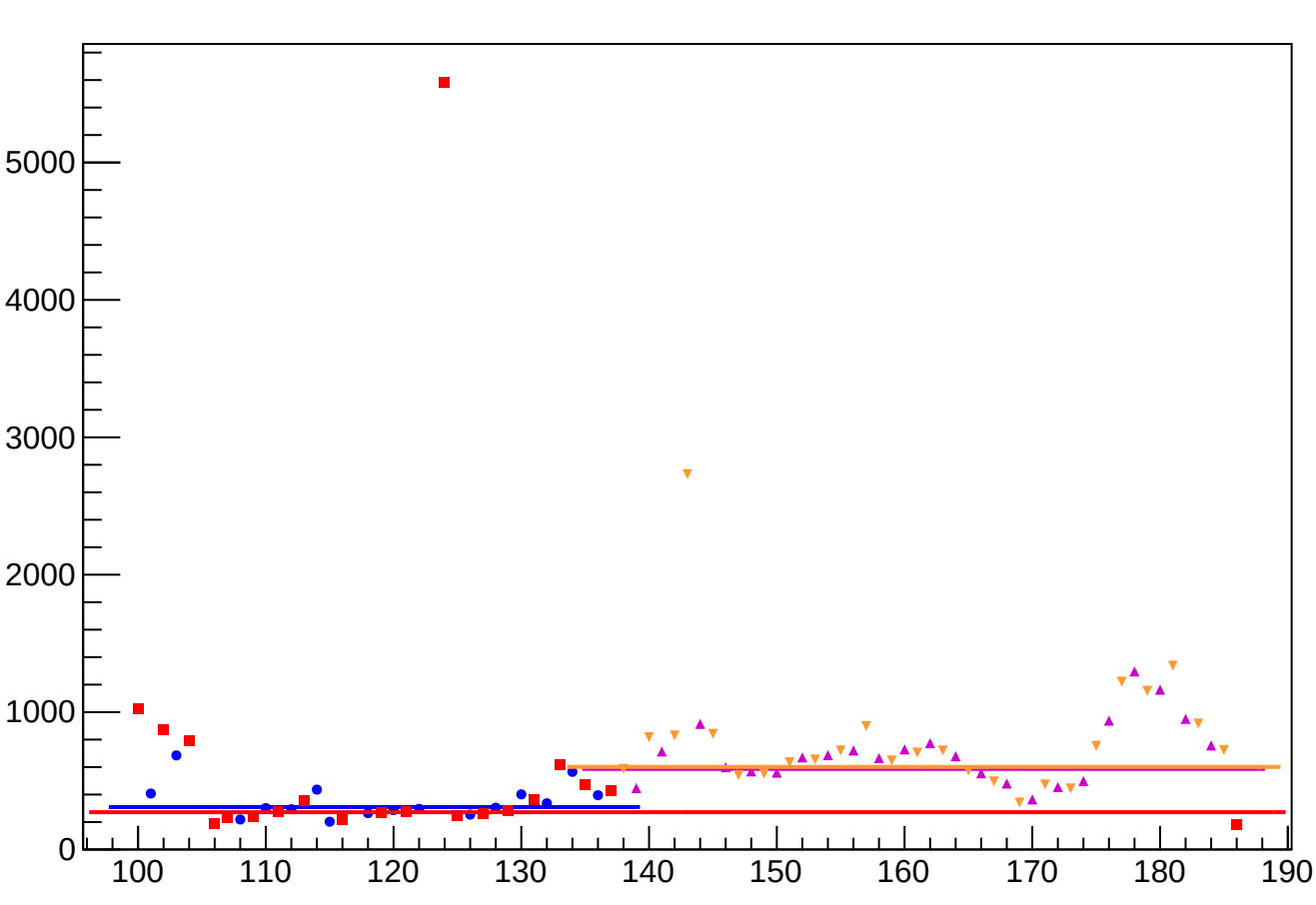
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.030+/-0.081 χ^2/NDF: 44.4/35

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.051+/-0.064 χ^2/NDF: 103.9/83



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

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

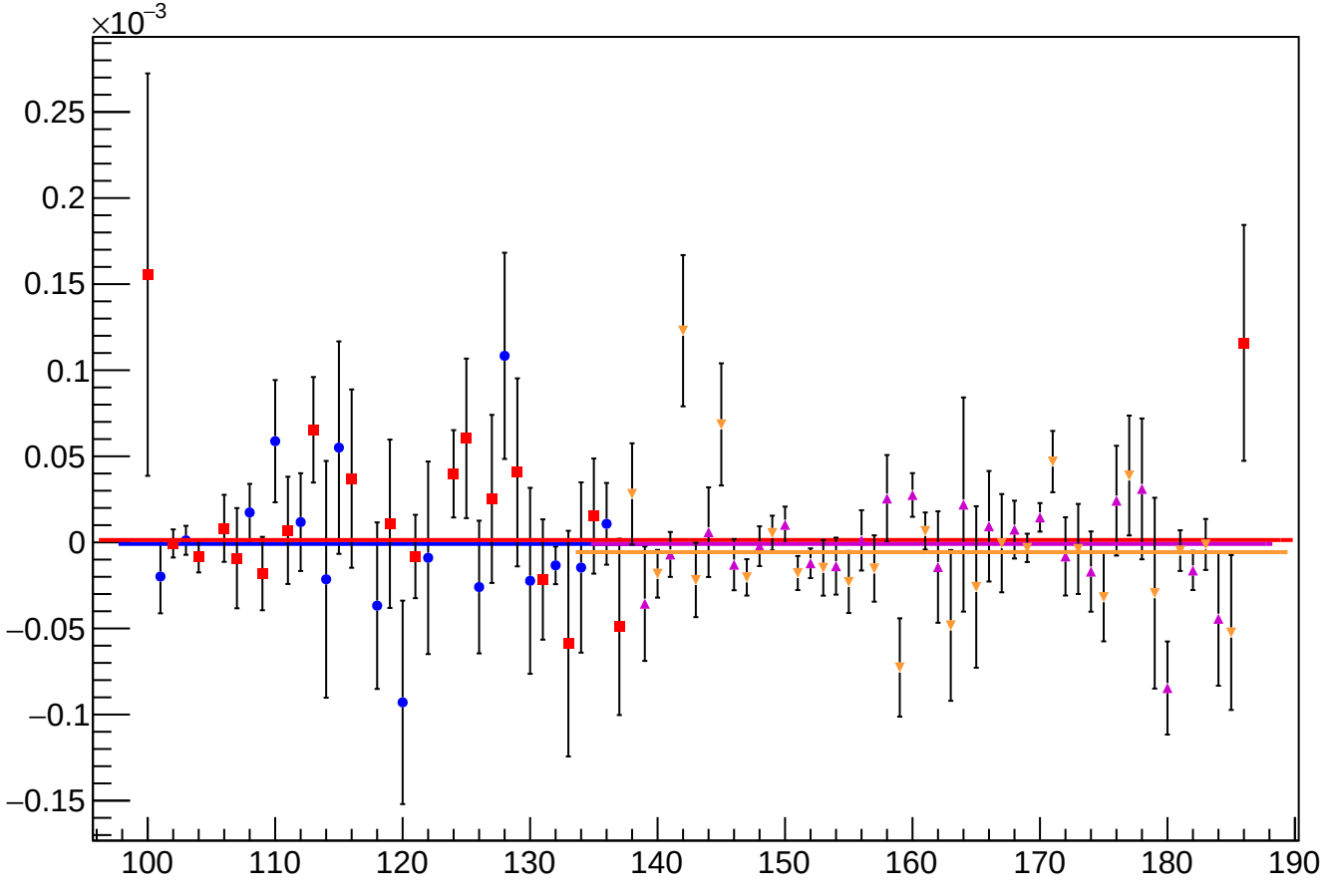
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 288.218+/-0.058 χ^2/NDF: 3167332.5/35

In: 423.875+/-0.066 χ^2/NDF:8241985.1/38

Out: 388.348+/-0.062 χ^2/NDF:12959399.6/44

All: 405.033+/-0.045 χ^2/NDF: 21355039.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

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

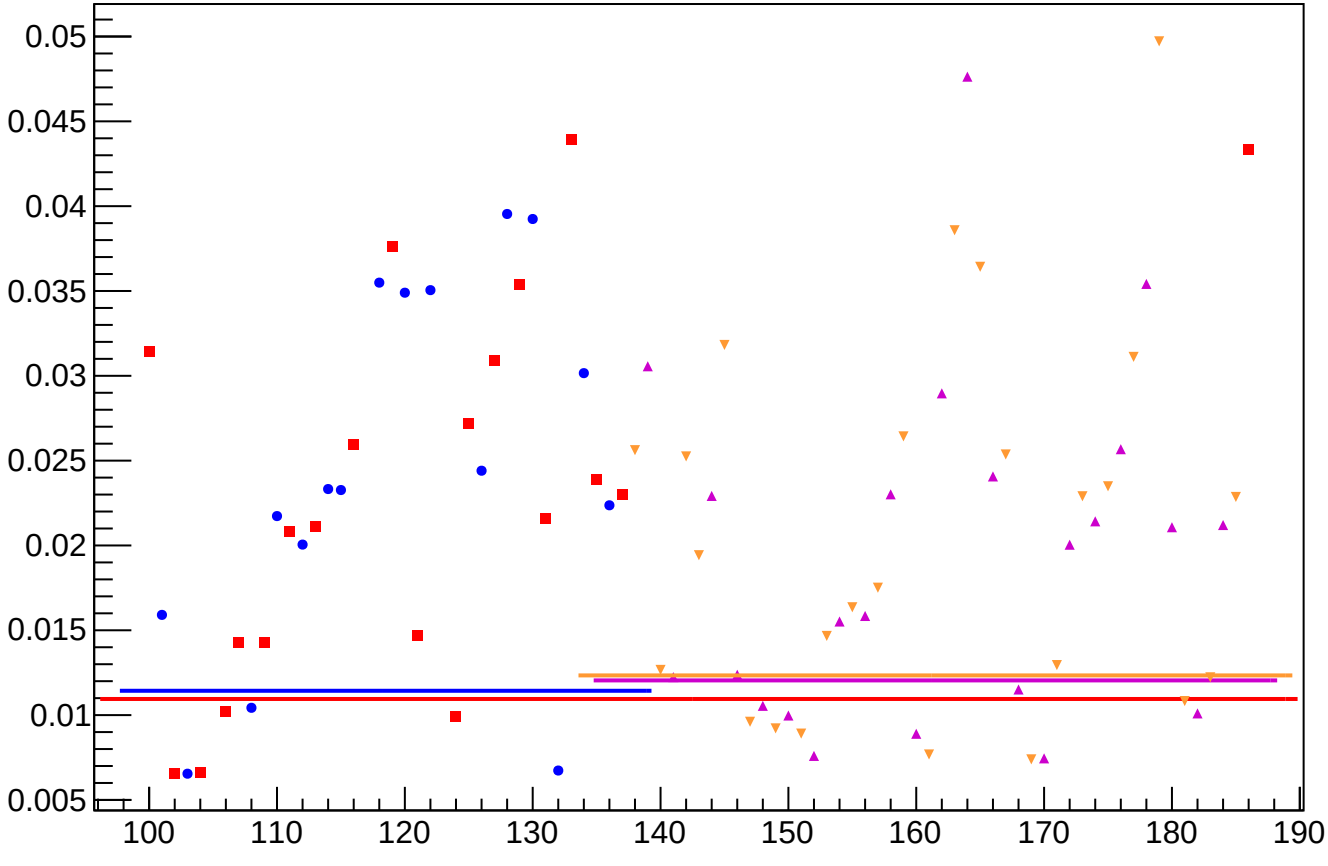
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: 0.000+/-0.000 χ^2/NDF: 33.5/35

In: -0.000+/-0.000 χ^2/NDF:44.7/38

Out: -0.000+/-0.000 χ^2/NDF:63.0/44

All: -0.000+/-0.000 χ^2/NDF: 108.2/83



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

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

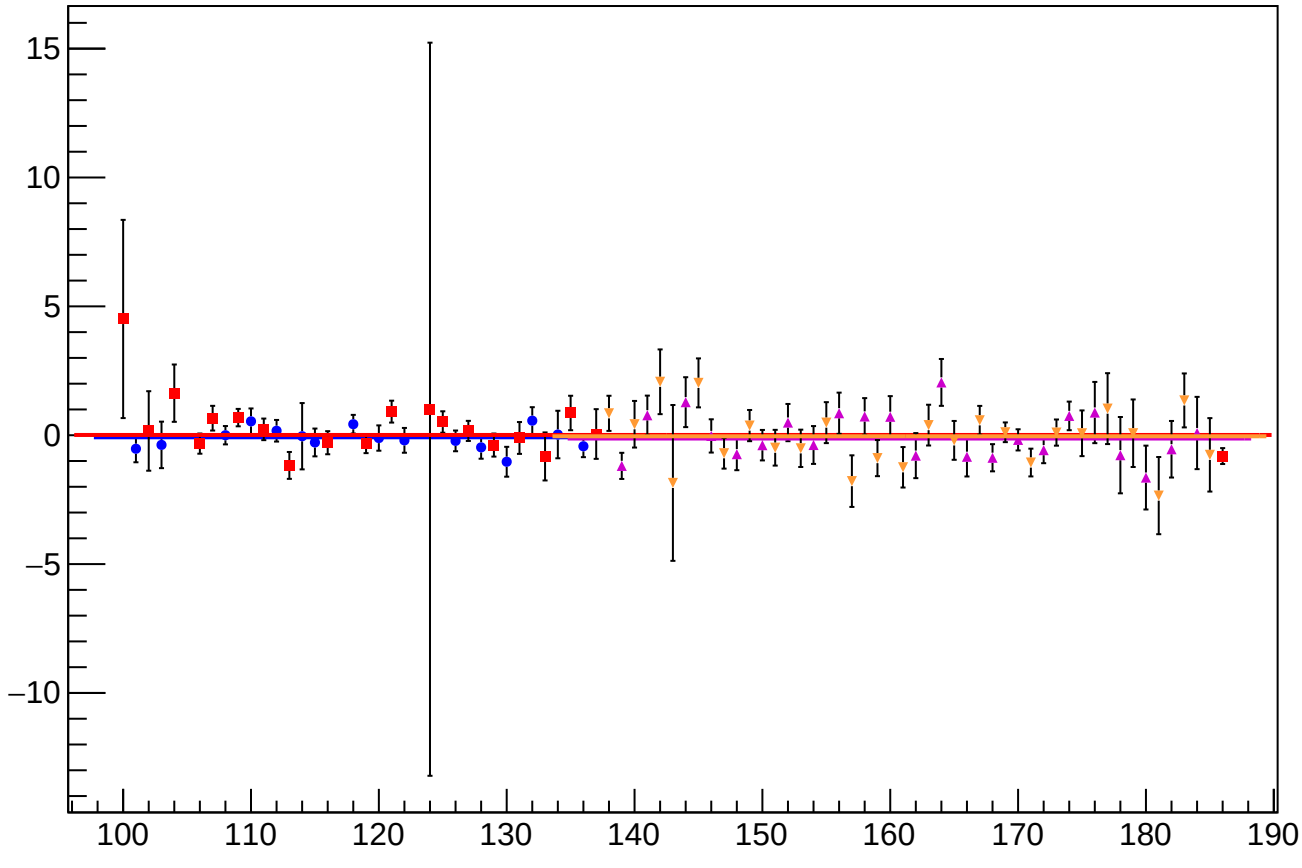
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.011+/-0.000 χ^2/NDF: 9632220.3/35

In: 0.012+/-0.000 χ^2/NDF:11098428.6/38

Out: 0.012+/-0.000 χ^2/NDF:12876224.4/44

All: 0.012+/-0.000 χ^2/NDF: 23974775.9/83



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

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

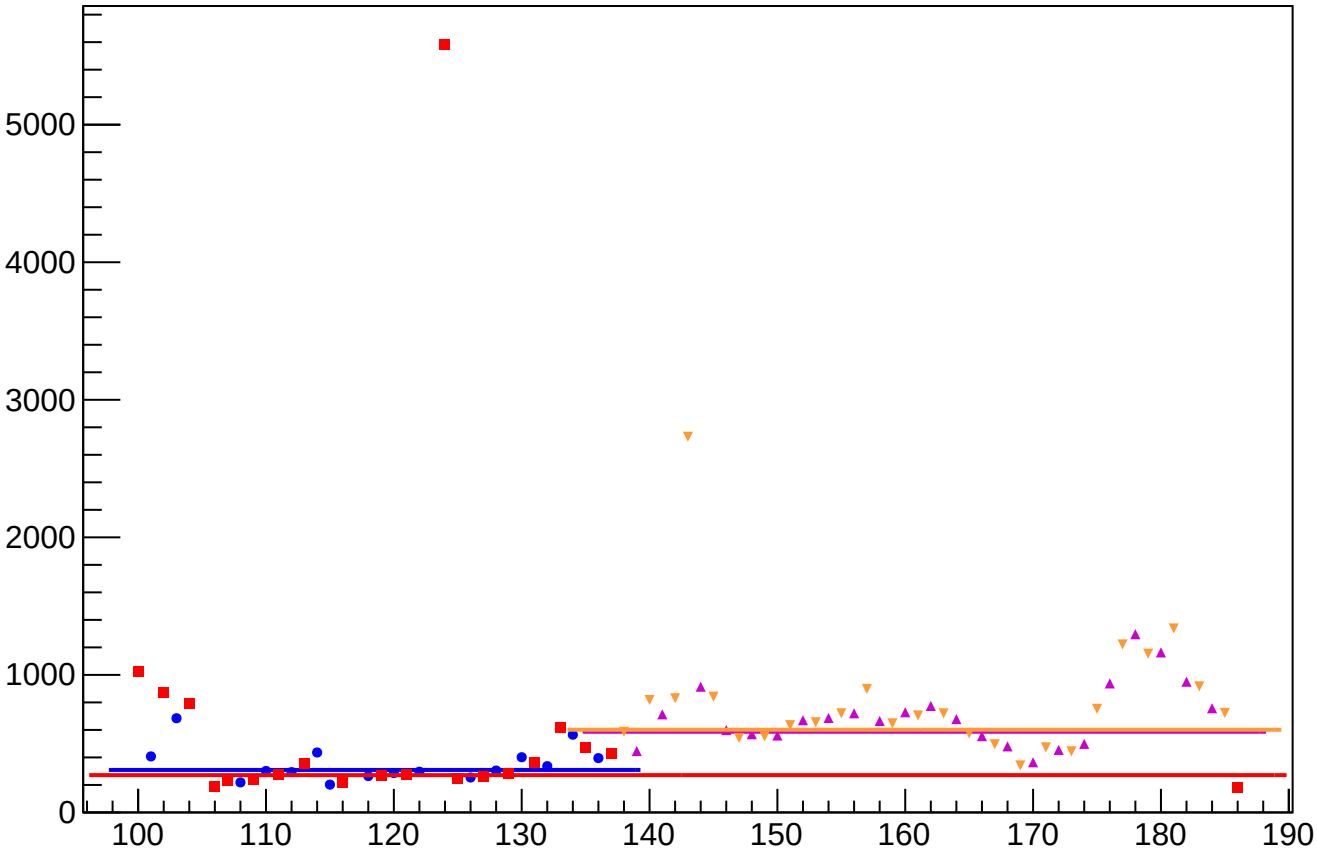
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.030+/-0.081 χ^2/NDF: 44.4/35

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.051+/-0.064 χ^2/NDF: 103.9/83



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

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

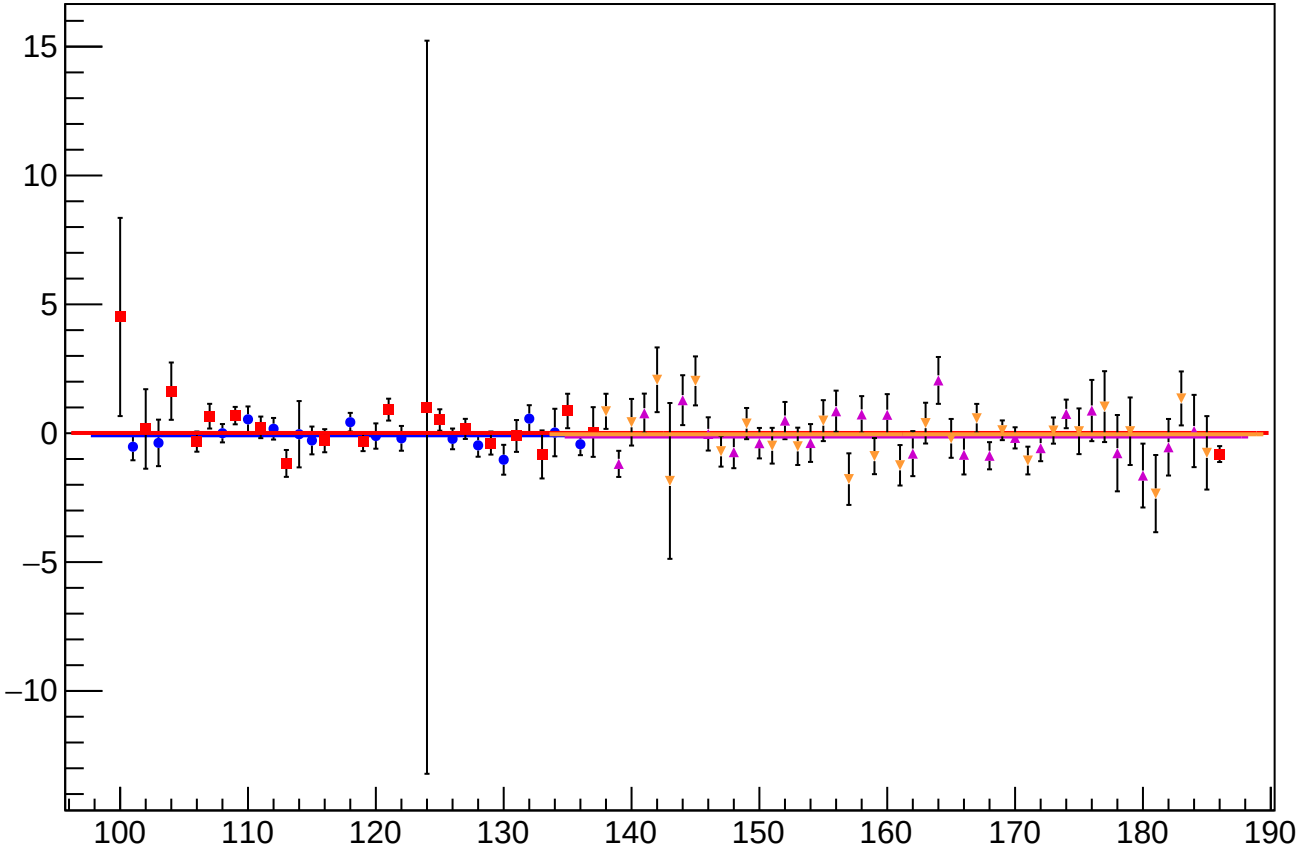
Right: 288.215+/-0.058 χ^2/NDF: 3167381.4/35

In: 423.875+/-0.066 χ^2/NDF:8242166.1/38

Out: 388.343+/-0.062 χ^2/NDF:12959862.0/44

All: 405.030+/-0.045 χ^2/NDF: 21355721.2/83

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.041+/-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

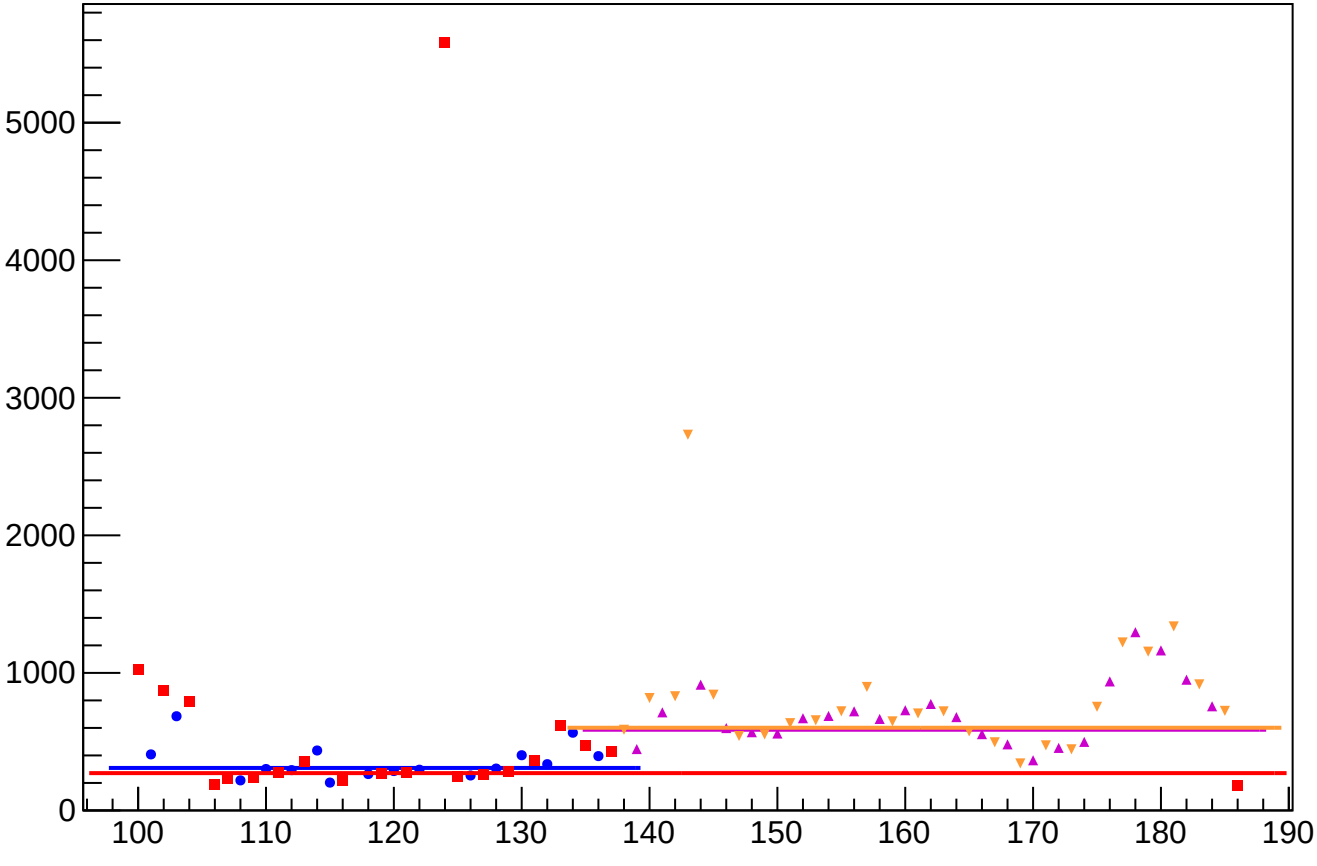
Right: -0.030+/-0.081 χ^2/NDF: 44.4/35

In: -0.100+/-0.093 χ^2/NDF:39.9/38

Out: -0.008+/-0.088 χ^2/NDF:63.5/44

All: -0.051+/-0.064 χ^2/NDF: 103.9/83

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 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

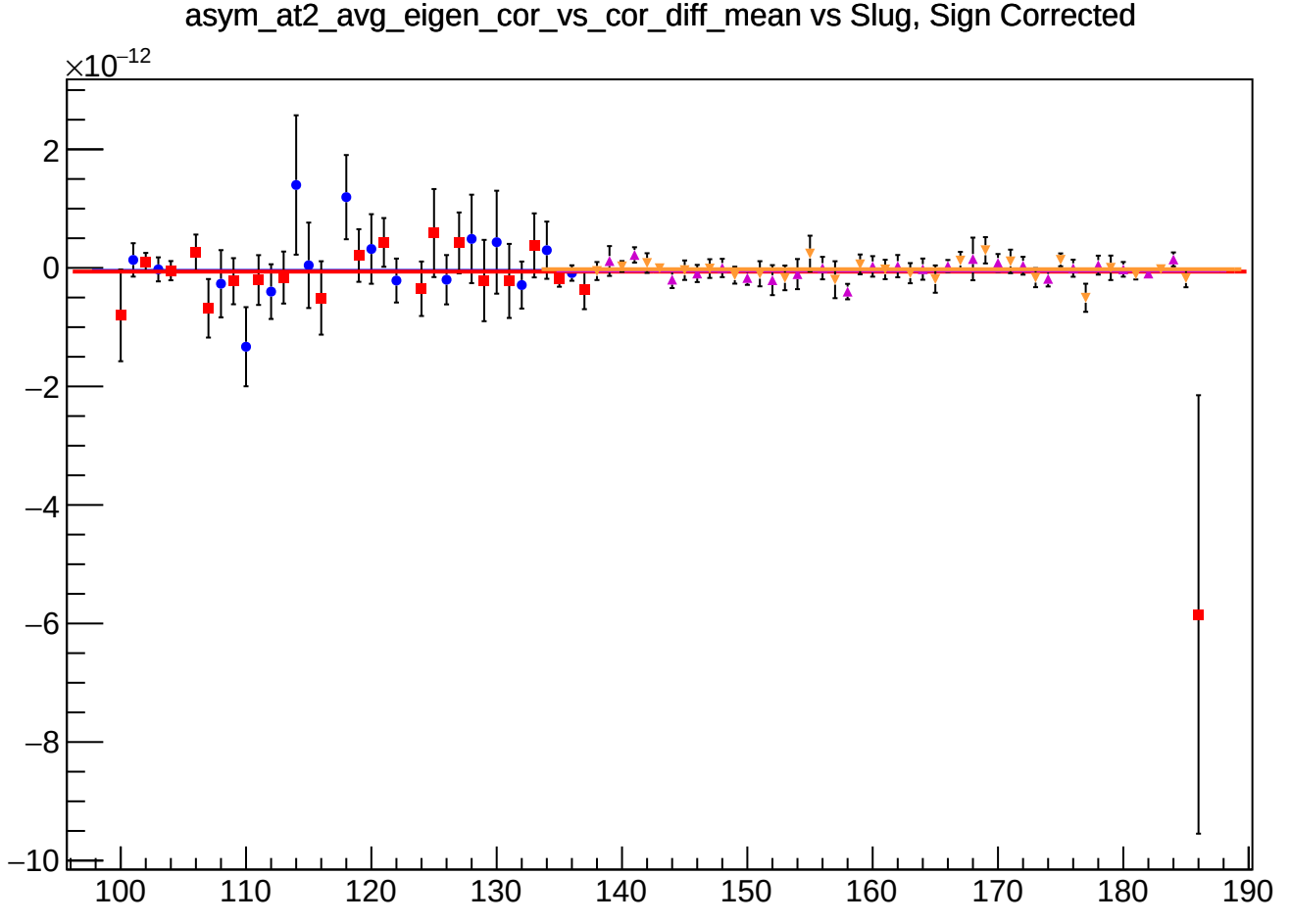
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 288.215+/-0.058 χ^2/NDF: 3167381.4/35

In: 423.875+/-0.066 χ^2/NDF:8242166.1/38

Out: 388.343+/-0.062 χ^2/NDF:12959862.0/44

All: 405.030+/-0.045 χ^2/NDF: 21355721.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

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

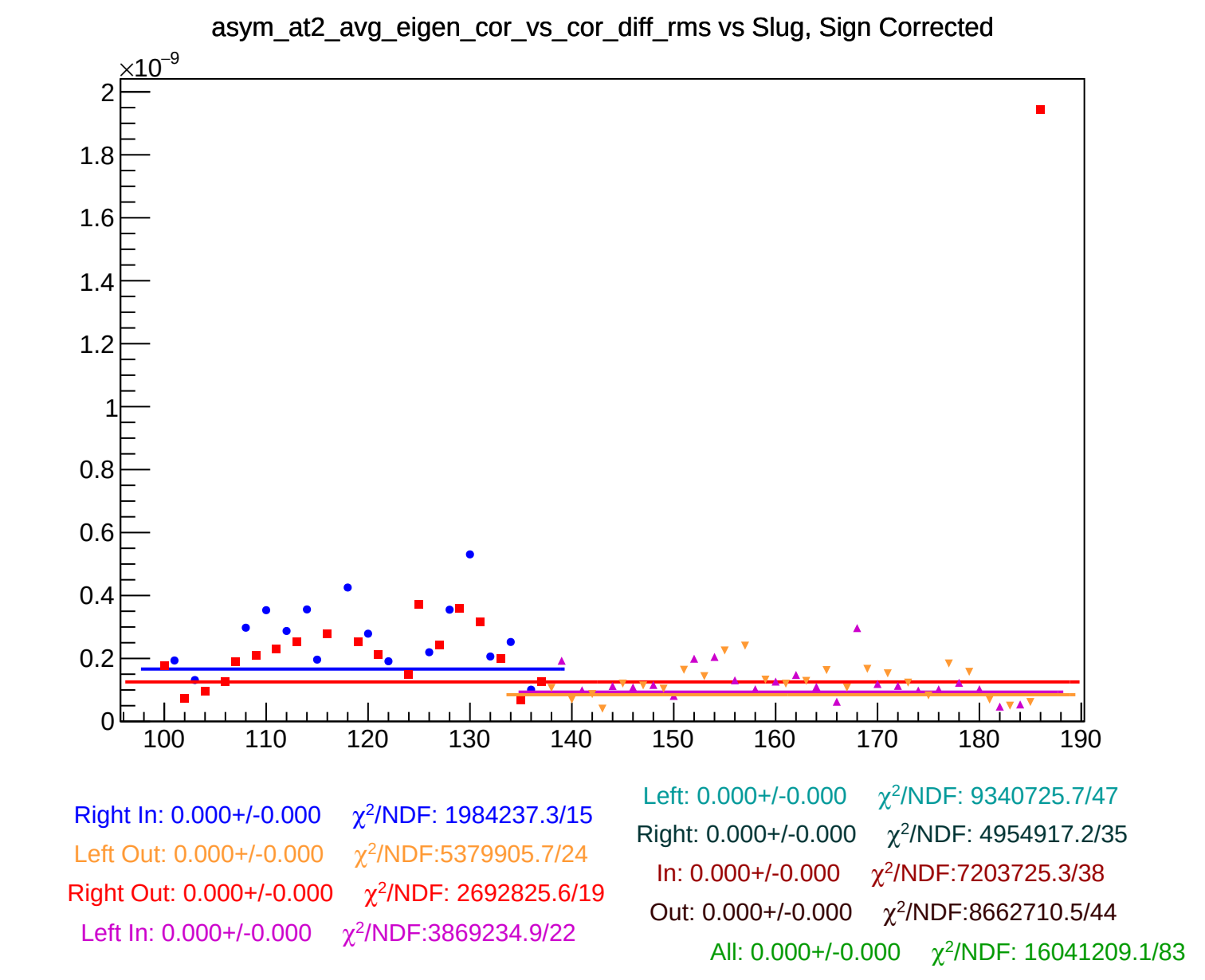
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 25.9/35

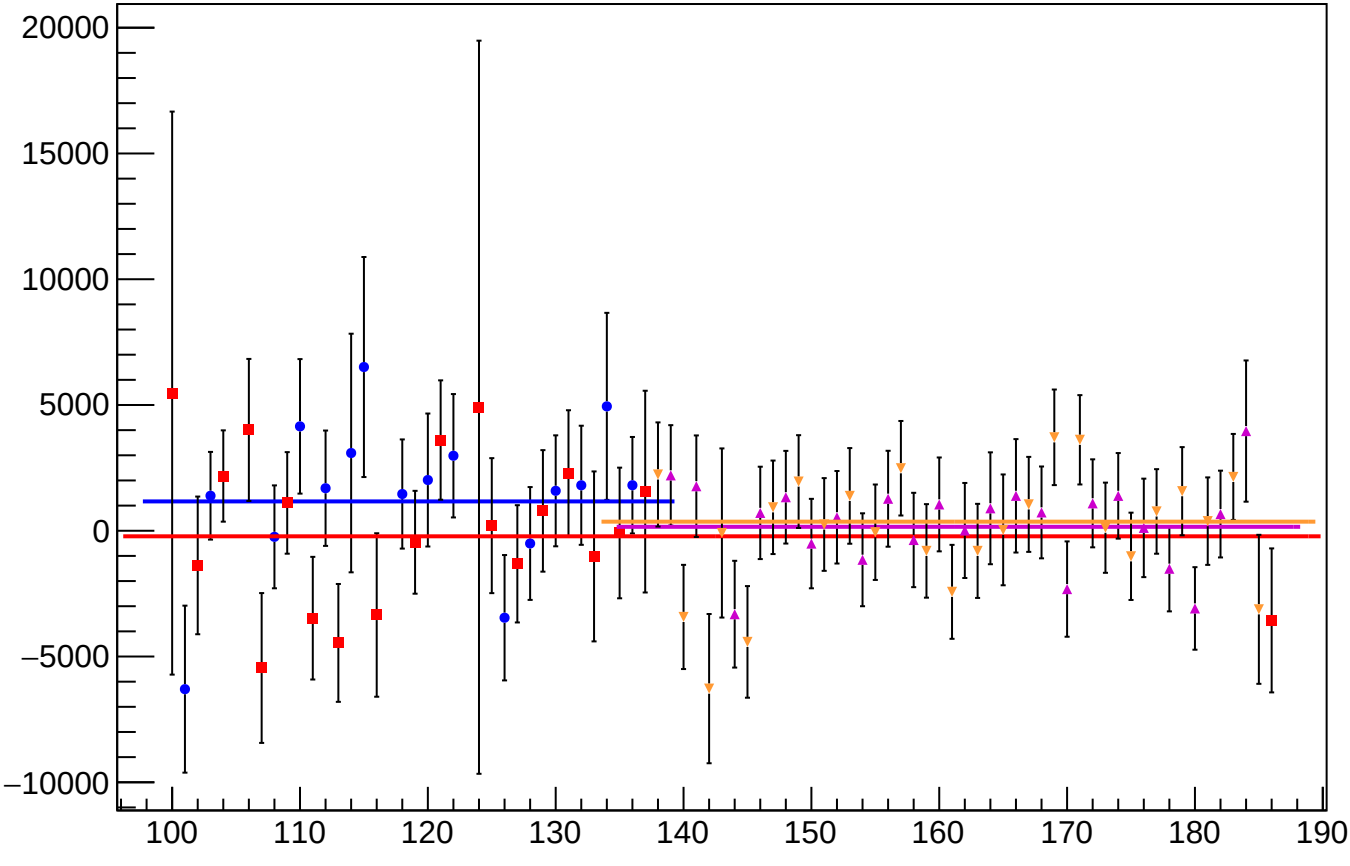
In: -0.000+/-0.000 χ^2/NDF:33.9/38

Out: -0.000+/-0.000 χ^2/NDF:30.5/44

All: -0.000+/-0.000 χ^2/NDF: 64.7/83


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: 1984237.3/15
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: 4954917.2/35
In: 0.000+/-0.000 χ²/NDF:7203725.3/38
Out: 0.000+/-0.000 χ²/NDF:8662710.5/44
All: 0.000+/-0.000 χ²/NDF: 16041209.1/83

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

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

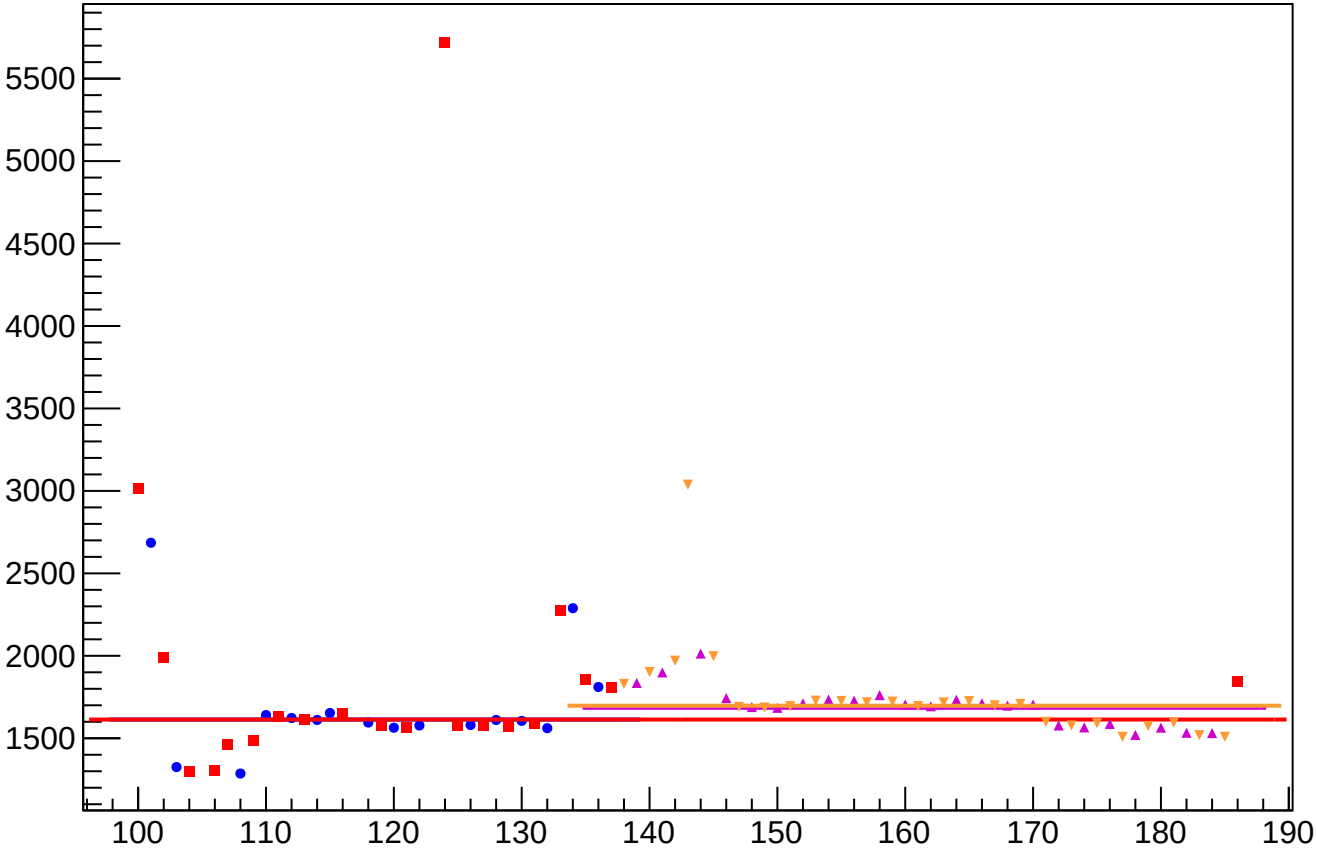
Right: 451.350+/-423.953 χ^2/NDF: 36.8/35

In: 455.146+/-330.985 χ^2/NDF:32.4/38

Out: 185.904+/-324.323 χ^2/NDF:50.0/44

All: 317.788+/-231.650 χ^2/NDF: 82.7/83

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

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

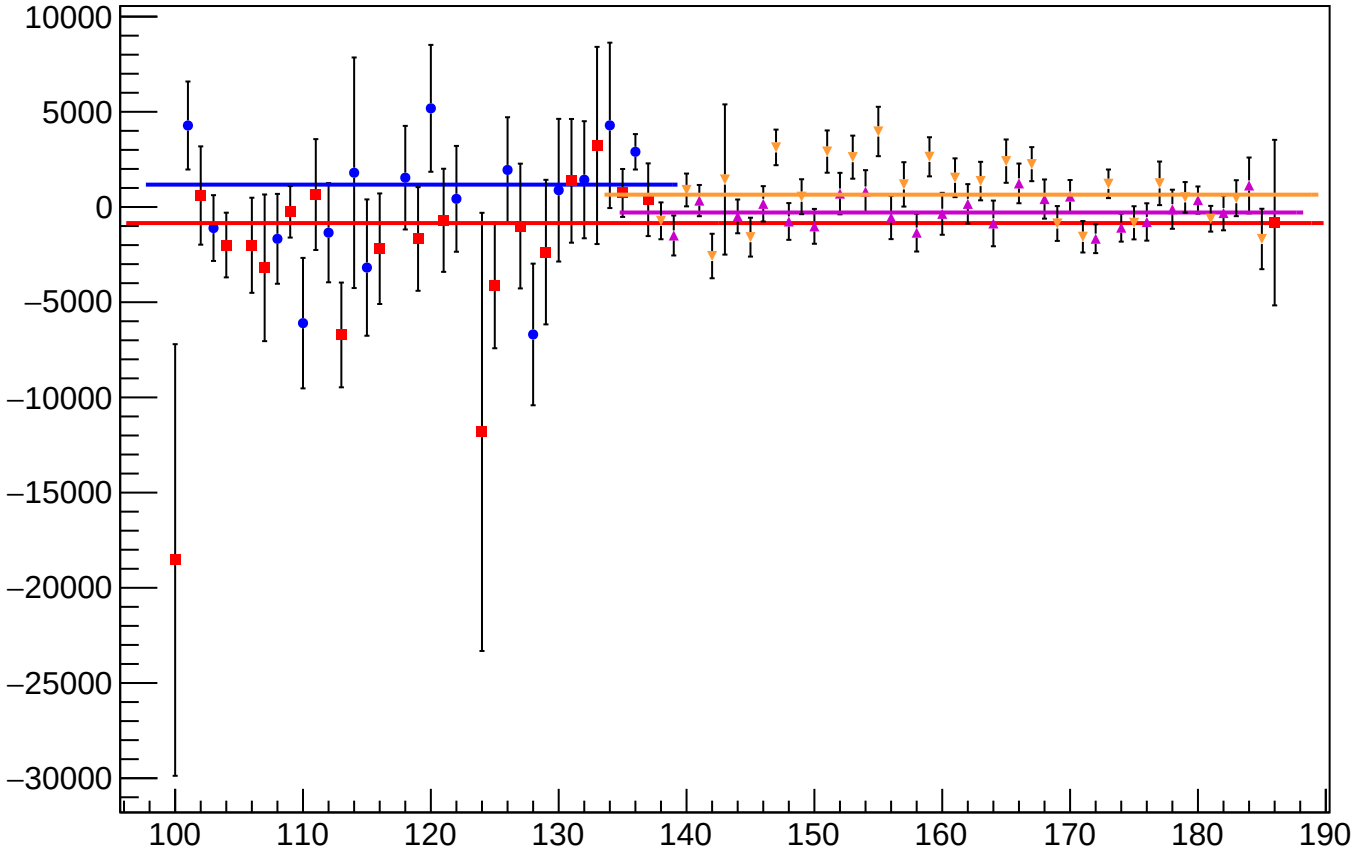
Right: 1613.629+/-0.300 χ^2/NDF: 843715.5/35

In: 1663.645+/-0.234 χ^2/NDF:589140.1/38

Out: 1672.174+/-0.229 χ^2/NDF:962632.3/44

All: 1667.996+/-0.164 χ^2/NDF: 1552450.0/83

asym_at2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

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

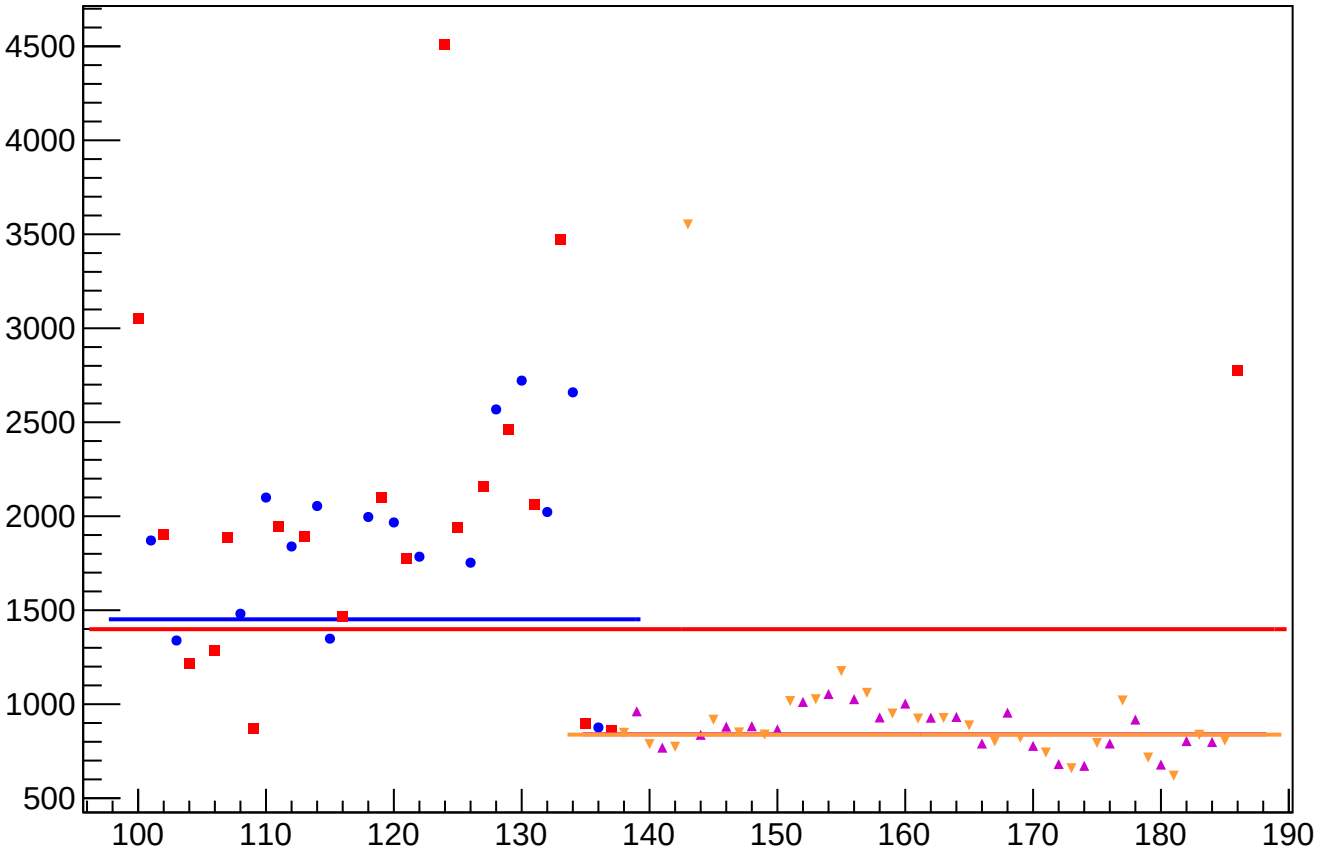
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 119.390+/-399.893 χ^2/NDF: 42.6/35

In: -134.671+/-187.769 χ^2/NDF:44.3/38

Out: 483.035+/-184.460 χ^2/NDF:86.3/44

All: 179.672+/-131.587 χ^2/NDF: 136.0/83



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

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

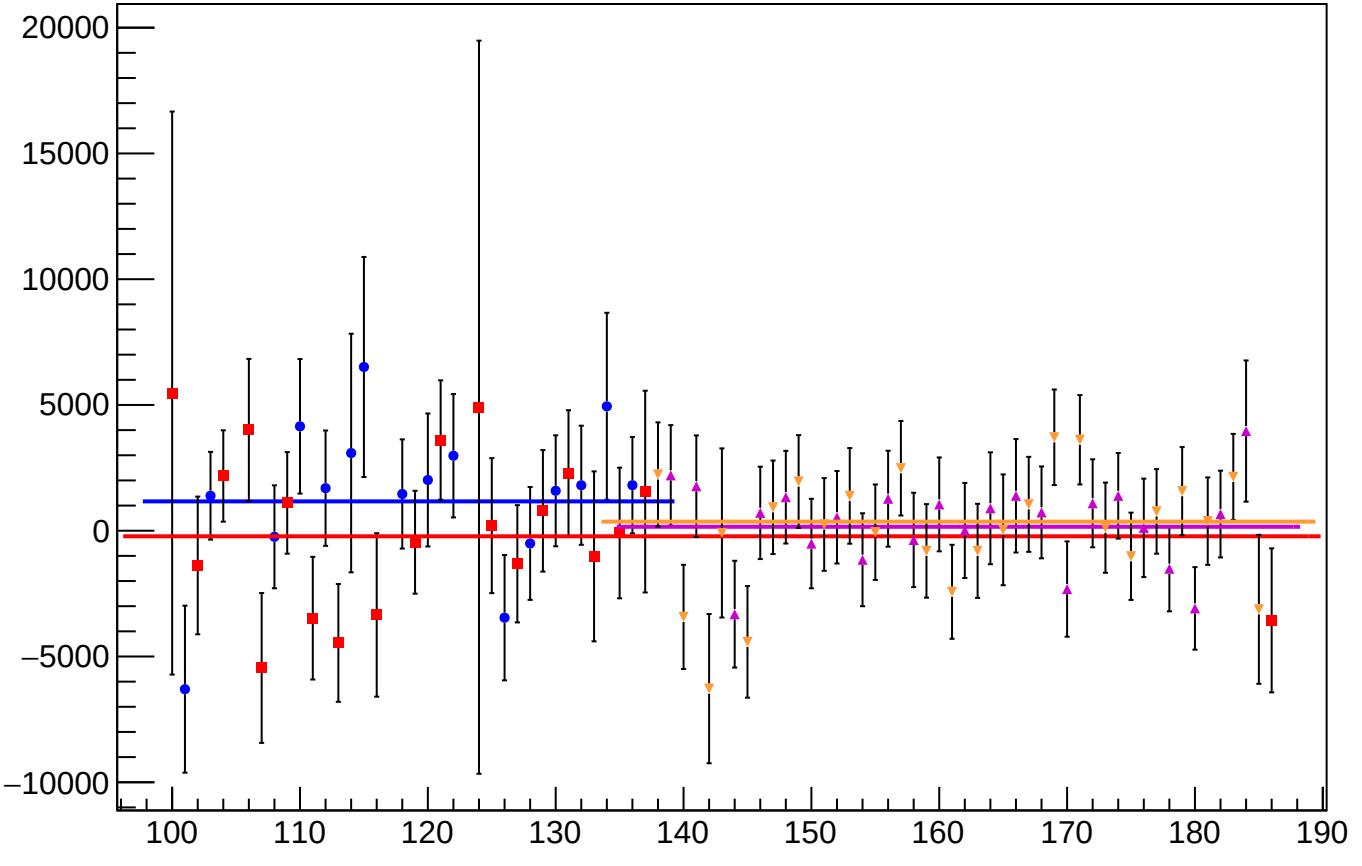
Right: 1424.144+/-0.283 χ^2/NDF: 4134965.1/35

In: 904.290+/-0.133 χ^2/NDF:4457027.6/38

Out: 900.664+/-0.130 χ^2/NDF:5964508.3/44

All: 902.445+/-0.093 χ^2/NDF: 10421915.3/83

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

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

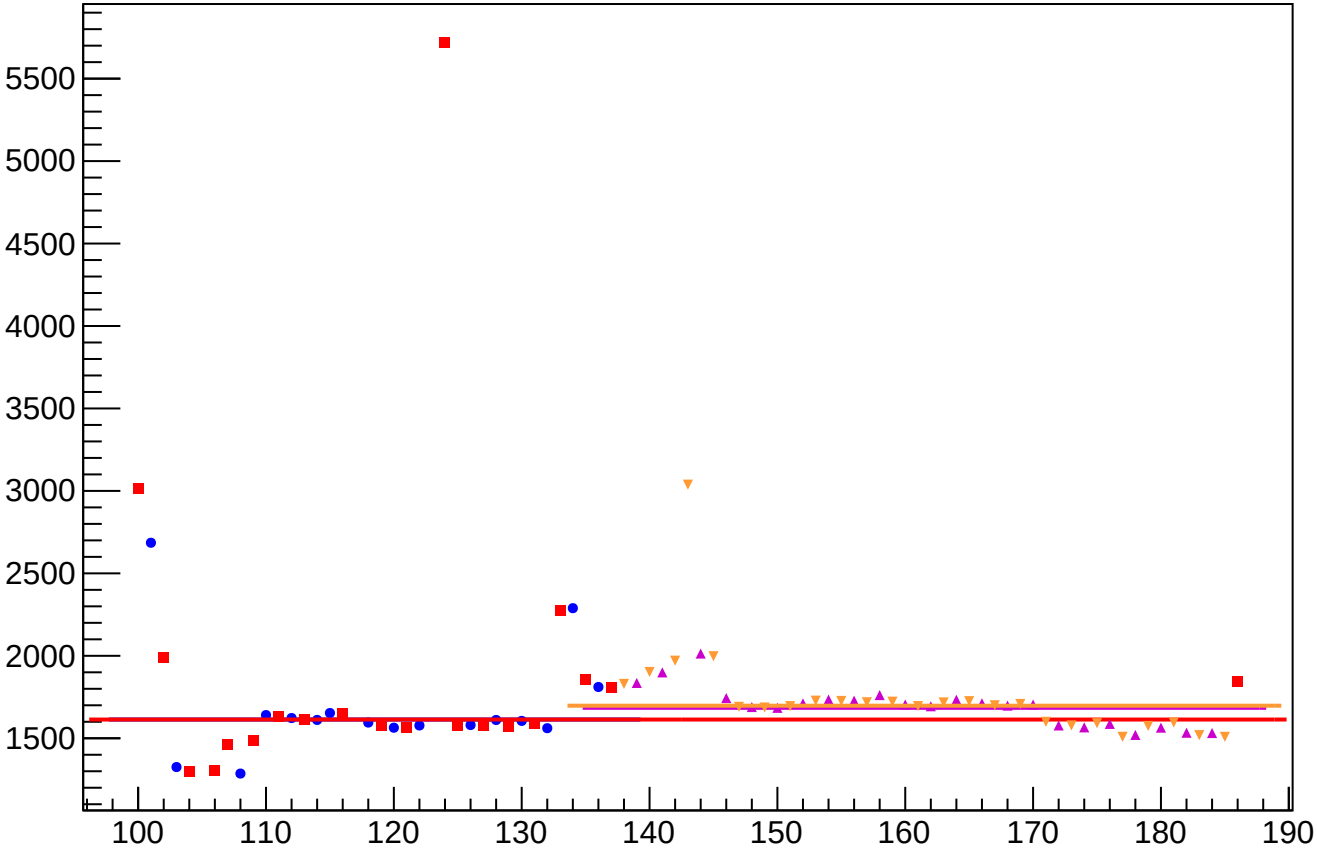
Right: 451.152+/-423.953 χ^2/NDF: 36.8/35

In: 455.052+/-330.985 χ^2/NDF:32.4/38

Out: 185.755+/-324.323 χ^2/NDF:50.0/44

All: 317.666+/-231.650 χ^2/NDF: 82.7/83

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

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

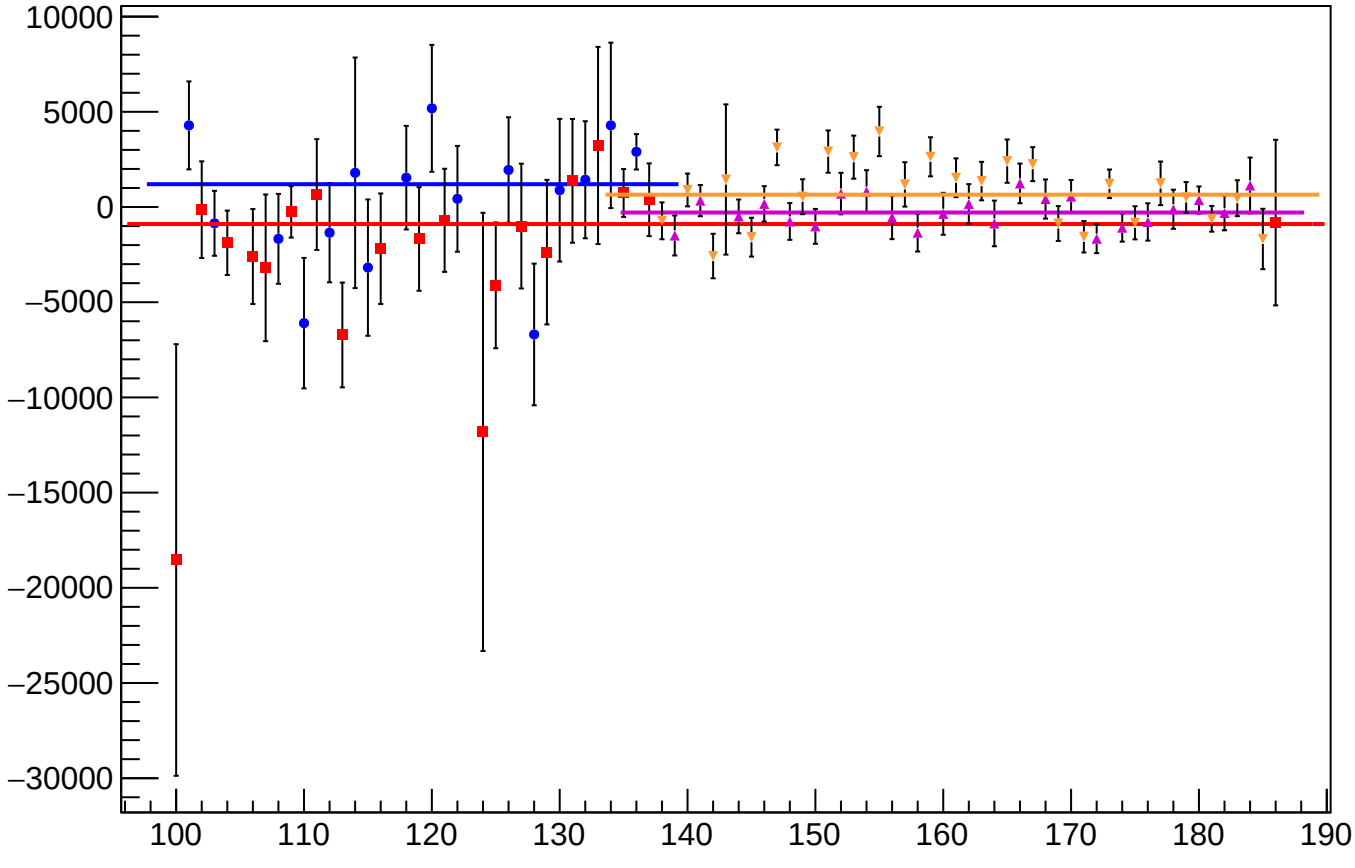
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1613.629+/-0.300 χ^2/NDF: 843715.7/35

In: 1663.645+/-0.234 χ^2/NDF:589140.4/38

Out: 1672.174+/-0.229 χ^2/NDF:962632.4/44

All: 1667.996+/-0.164 χ^2/NDF: 1552450.4/83



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

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

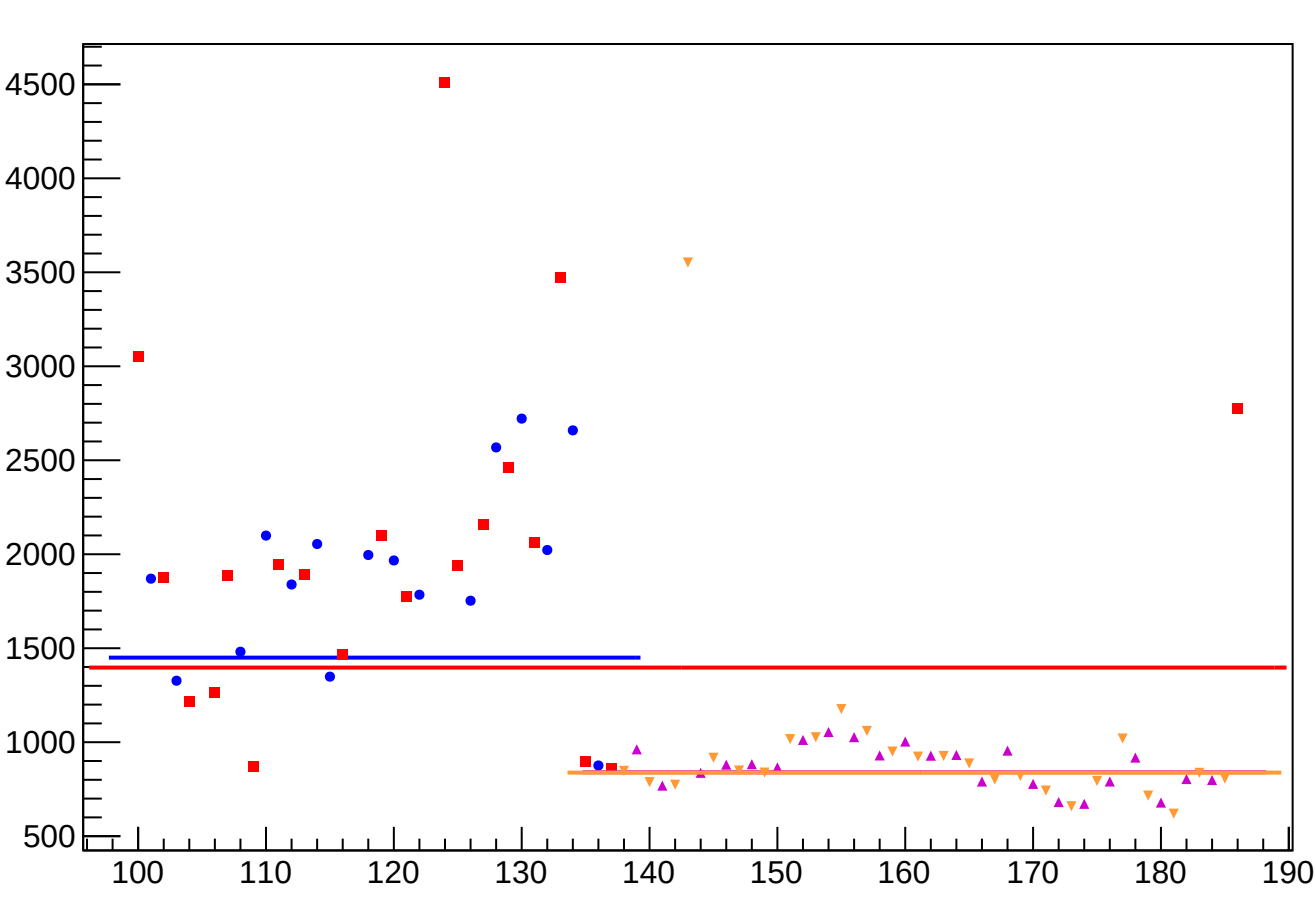
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

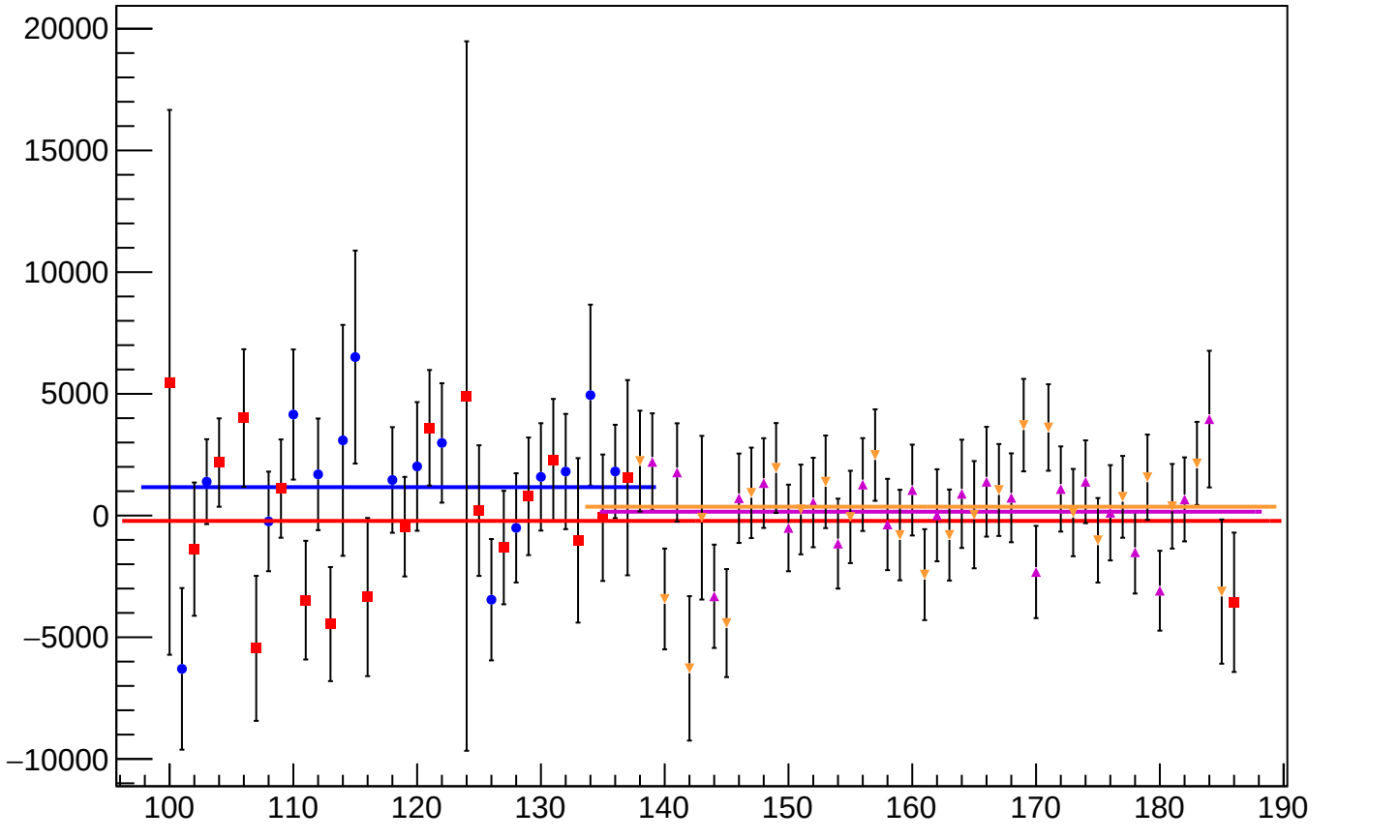
Right: 103.791+/-399.337 χ^2/NDF: 42.7/35

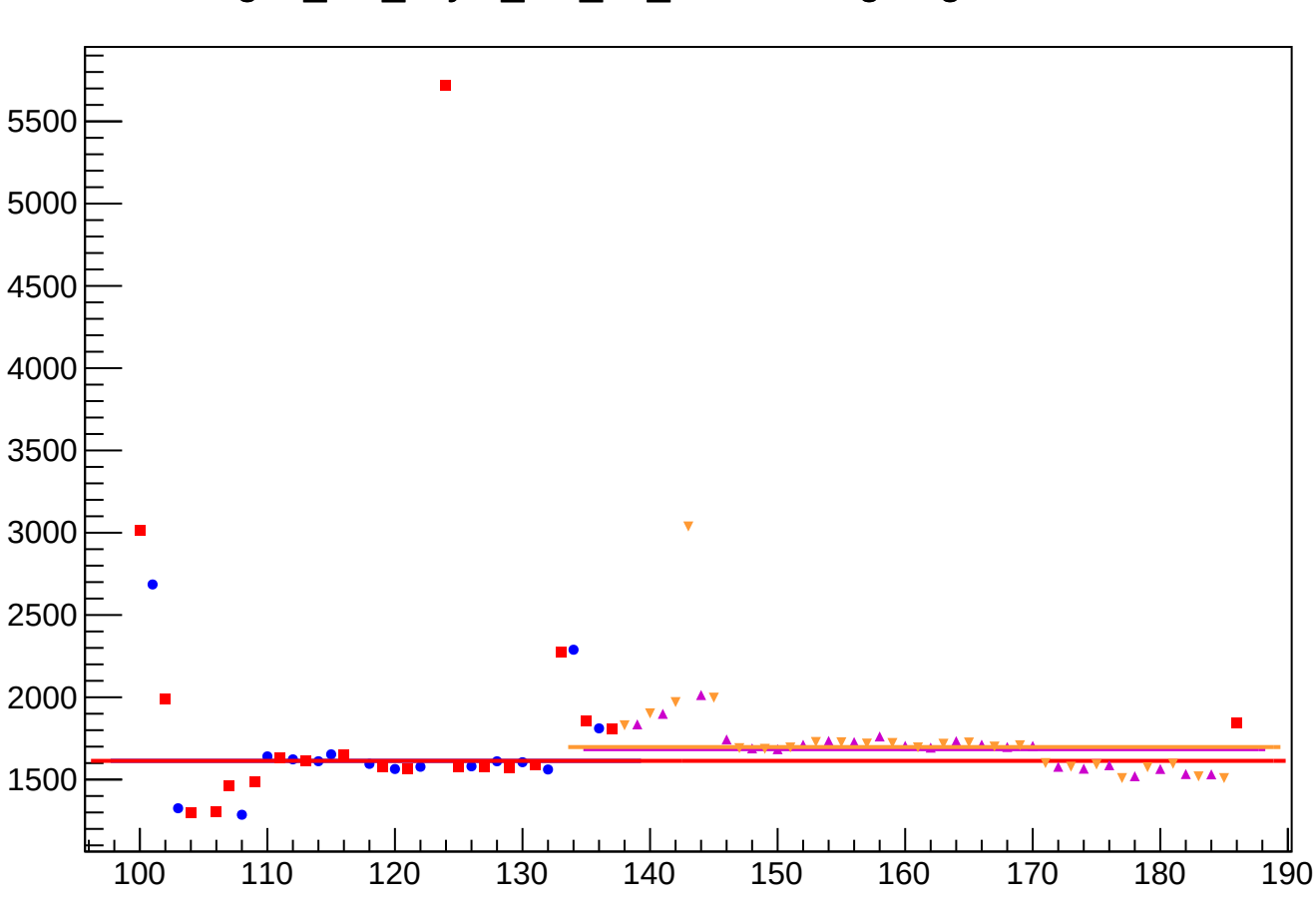
In: -131.856+/-187.741 χ^2/NDF:44.1/38

Out: 476.963+/-184.434 χ^2/NDF:86.7/44

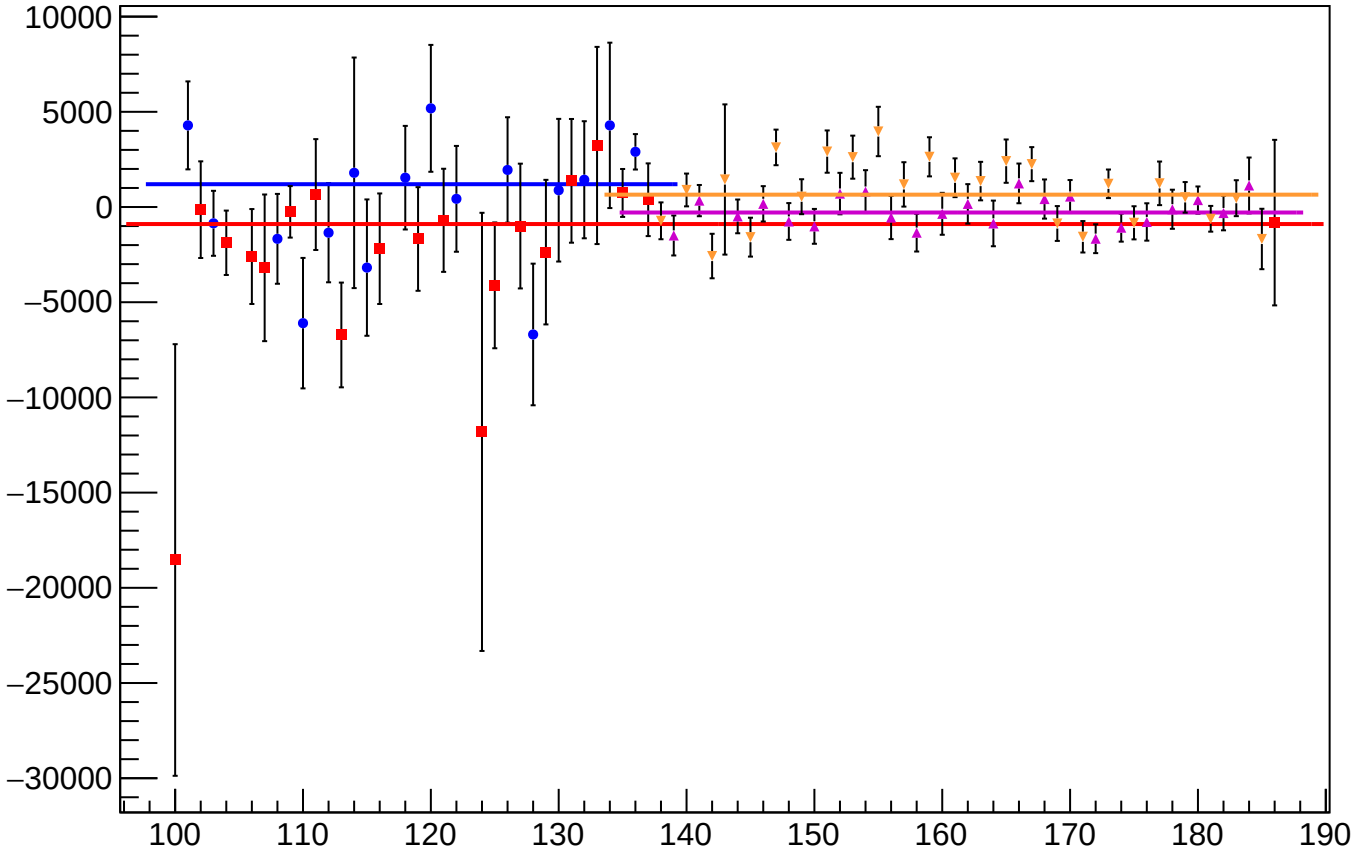
All: 177.963+/-131.568 χ^2/NDF: 136.2/83


asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1397.023+/-0.390 χ²/NDF: 2331758.4/19
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1422.260+/-0.282 χ²/NDF: 4133192.2/35
In: 904.277+/-0.133 χ²/NDF:4452858.5/38
Out: 900.597+/-0.130 χ²/NDF:5951557.6/44
All: 902.405+/-0.093 χ²/NDF: 10404807.2/83


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: 361.560+/-388.131 χ²/NDF:29.6/24
Right Out: -221.016+/-590.389 χ²/NDF: 19.7/19
Left In: 156.934+/-394.258 χ²/NDF:16.0/22
Left: 260.849+/-276.591 χ²/NDF: 45.7/47
Right: 451.152+/-423.953 χ²/NDF: 36.8/35
In: 455.052+/-330.985 χ²/NDF:32.4/38
Out: 185.755+/-324.323 χ²/NDF:50.0/44
All: 317.666+/-231.650 χ²/NDF: 82.7/83


eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
190
Right In: 1613.674+/-0.431 χ²/NDF: 404688.8/15
Left Out: 1697.496+/-0.274 χ²/NDF:495397.9/24
Right Out: 1613.587+/-0.417 χ²/NDF: 439026.9/19
Left In: 1684.577+/-0.279 χ²/NDF:165355.7/22
Left: 1691.137+/-0.196 χ²/NDF: 661844.0/47
Right: 1613.629+/-0.300 χ²/NDF: 843715.7/35
In: 1663.645+/-0.234 χ²/NDF:589140.4/38
Out: 1672.174+/-0.229 χ²/NDF:962632.4/44
All: 1667.996+/-0.164 χ²/NDF: 1552450.4/83

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 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

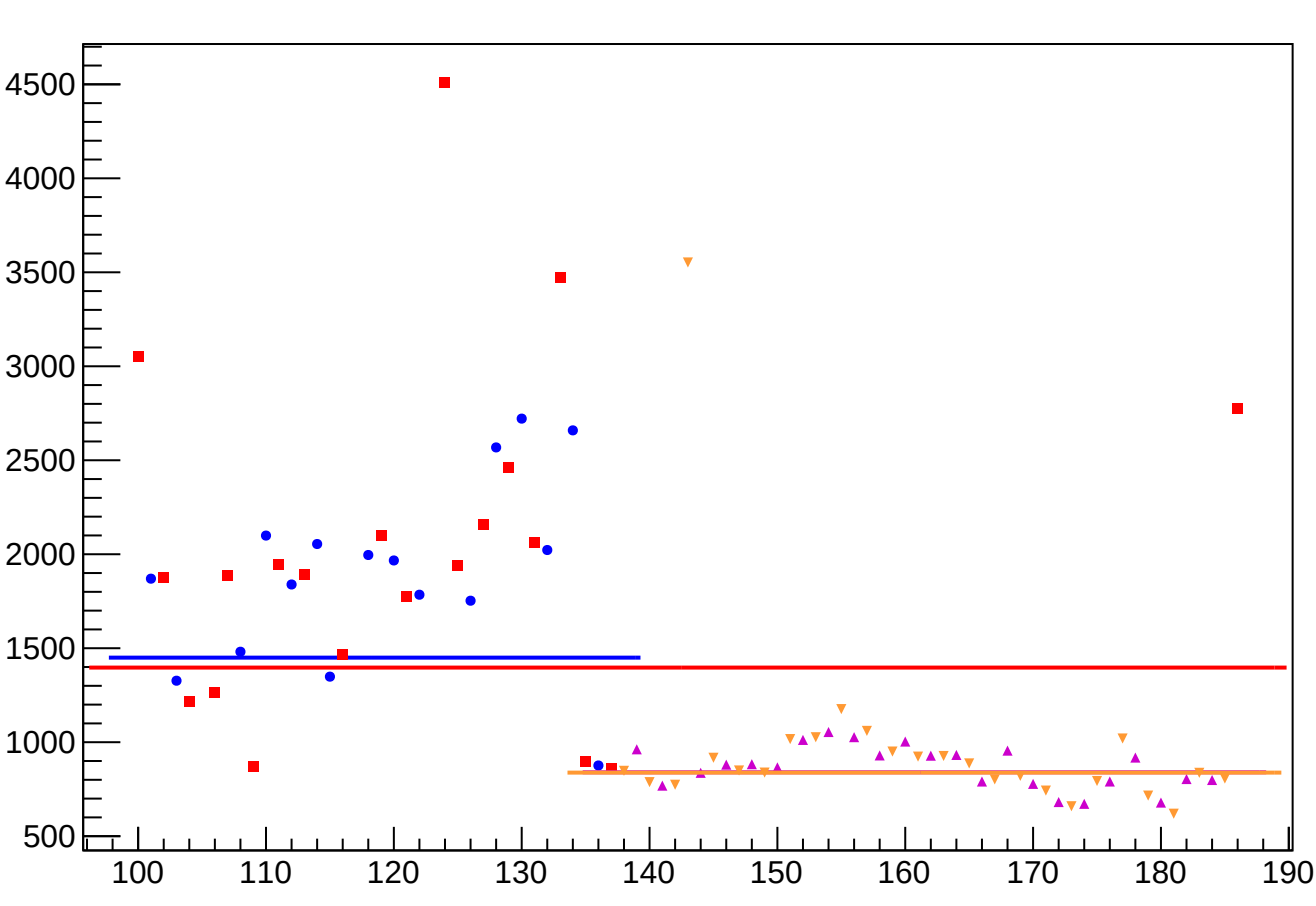
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 103.791+/-399.337 χ^2/NDF: 42.7/35

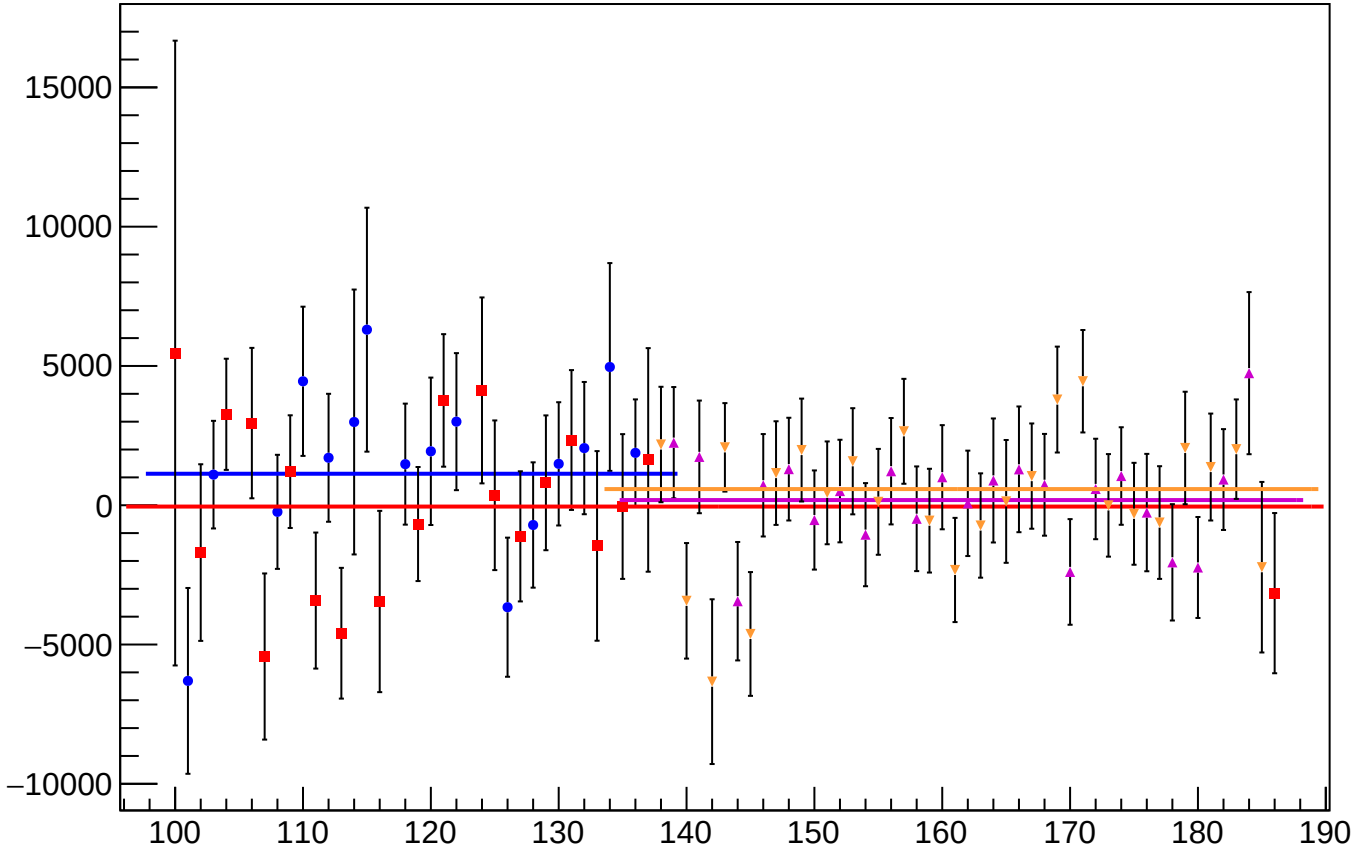
In: -131.856+/-187.741 χ^2/NDF:44.1/38

Out: 476.963+/-184.434 χ^2/NDF:86.7/44

All: 177.963+/-131.568 χ^2/NDF: 136.2/83


asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1449.939+/-0.409 χ²/NDF: 1792673.2/15
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1397.023+/-0.390 χ²/NDF: 2331758.4/19
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1422.260+/-0.282 χ²/NDF: 4133192.2/35
In: 904.277+/-0.133 χ²/NDF:4452858.5/38
Out: 900.597+/-0.130 χ²/NDF:5951557.6/44
All: 902.405+/-0.093 χ²/NDF: 10404807.2/83

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

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

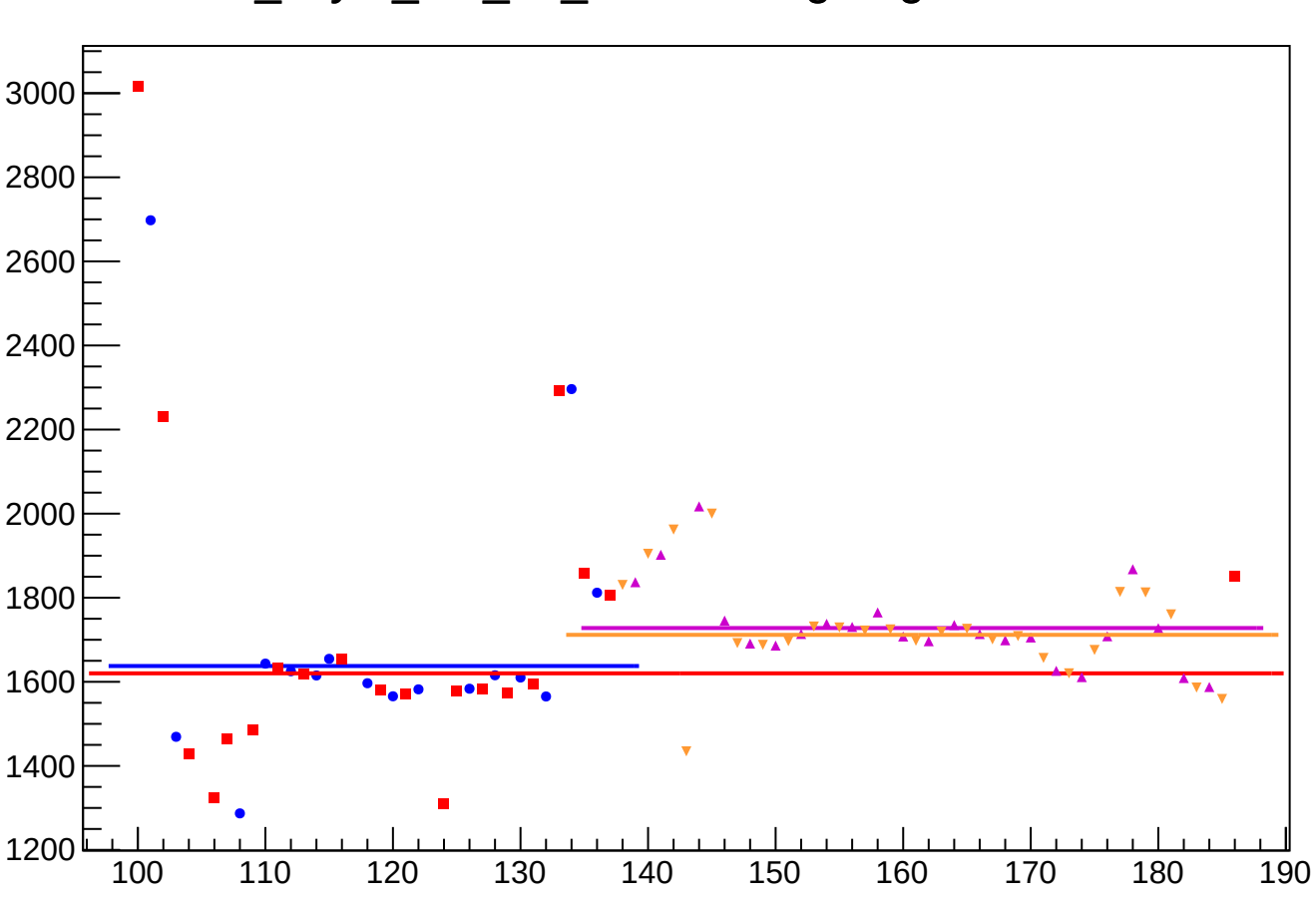
Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

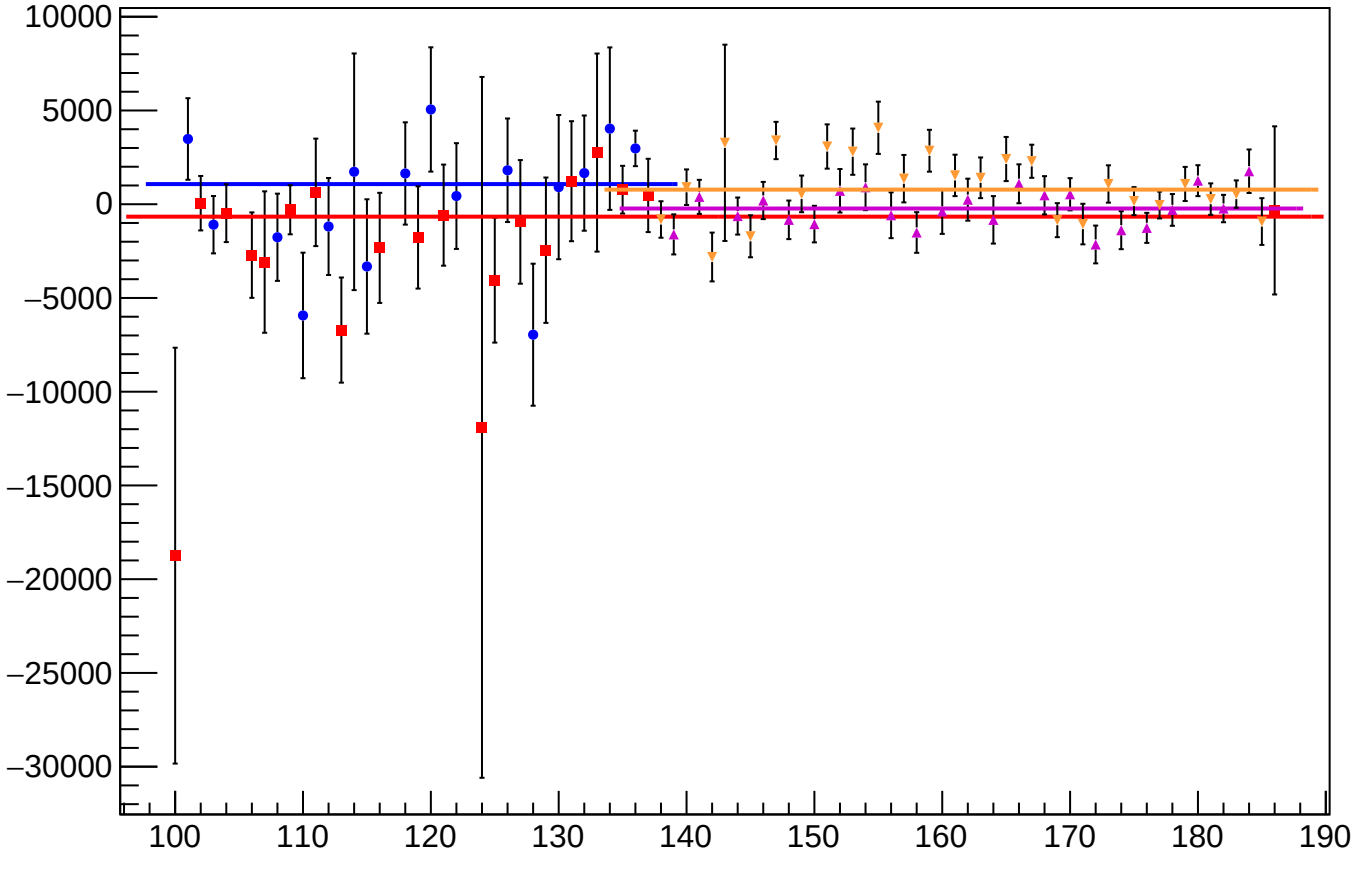
Right: 515.288+/-426.585 χ^2/NDF: 38.8/35

In: 469.321+/-338.085 χ^2/NDF:31.1/38

Out: 389.667+/-325.250 χ^2/NDF:54.6/44

All: 427.954+/-234.393 χ^2/NDF: 85.7/83


dit_asym_at2_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
190
Right In: 1637.574+/-0.436 χ²/NDF: 361417.0/15
Left Out: 1711.712+/-0.276 χ²/NDF:168006.4/24
Right Out: 1620.150+/-0.417 χ²/NDF: 294148.1/19
Left In: 1727.912+/-0.286 χ²/NDF:100226.8/22
Left: 1719.520+/-0.198 χ²/NDF: 269898.5/47
Right: 1628.473+/-0.302 χ²/NDF: 656397.5/35
In: 1700.809+/-0.239 χ²/NDF:491632.7/38
Out: 1683.908+/-0.230 χ²/NDF:495668.6/44
All: 1692.032+/-0.166 χ²/NDF: 989897.1/83



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

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

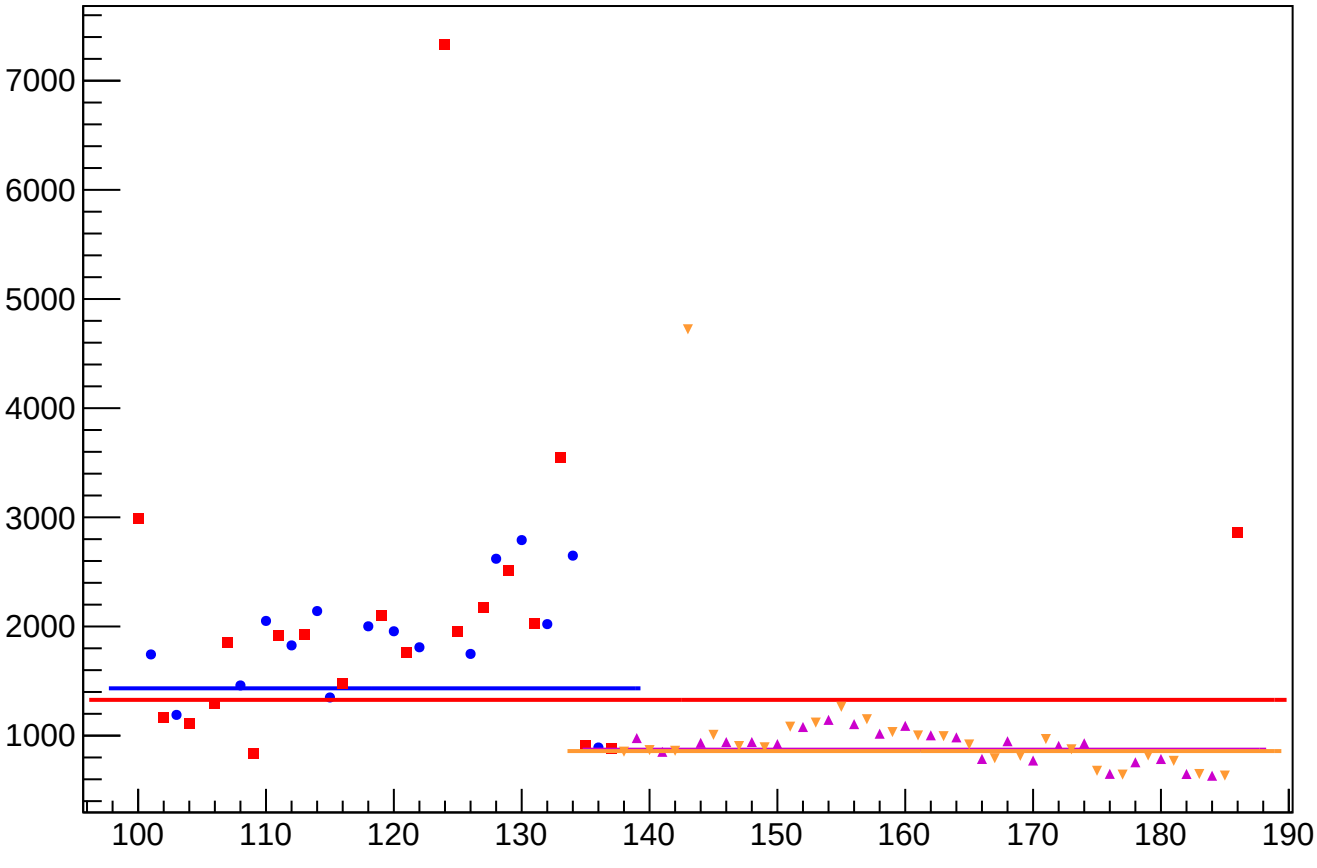
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

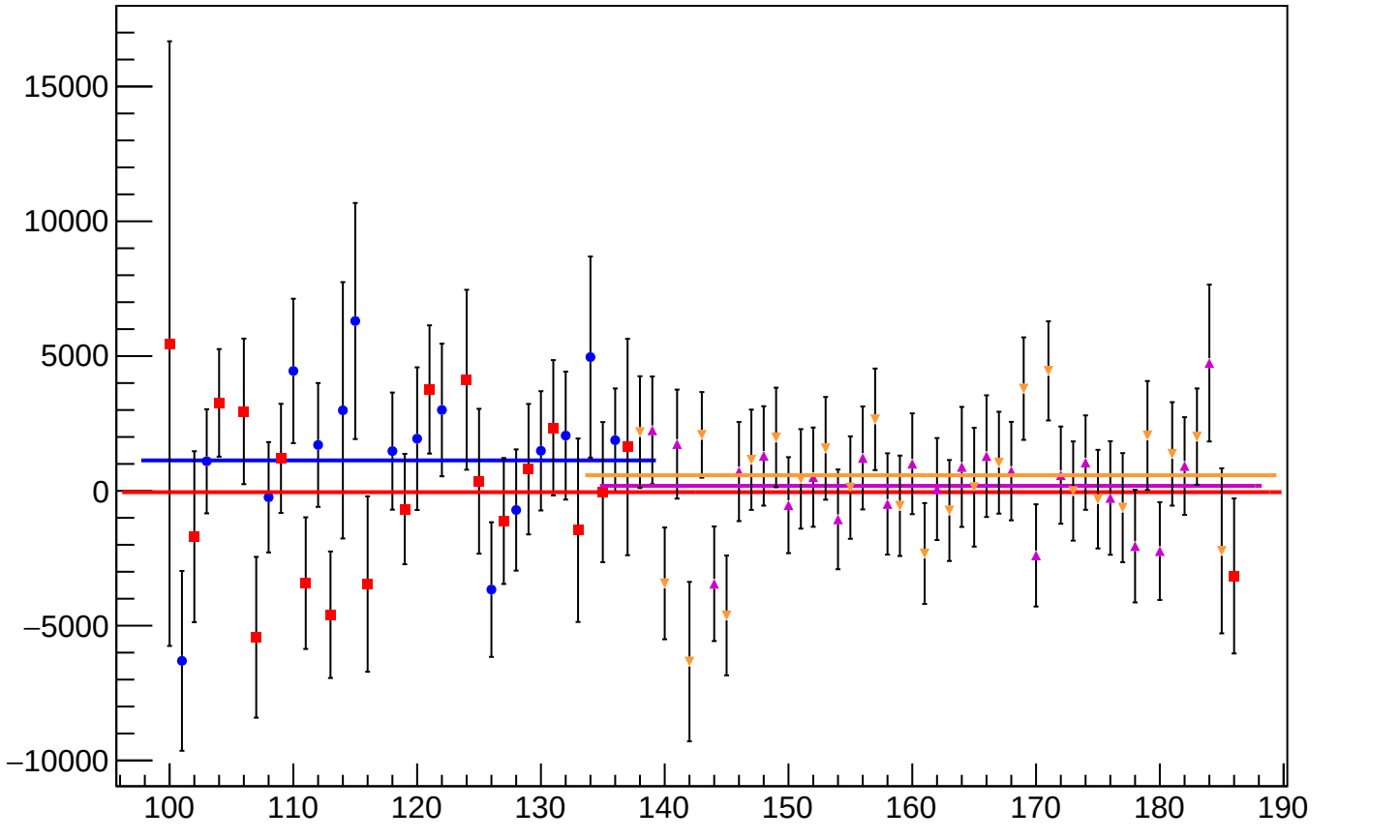
Right: 123.169+/-384.628 χ^2/NDF: 40.6/35

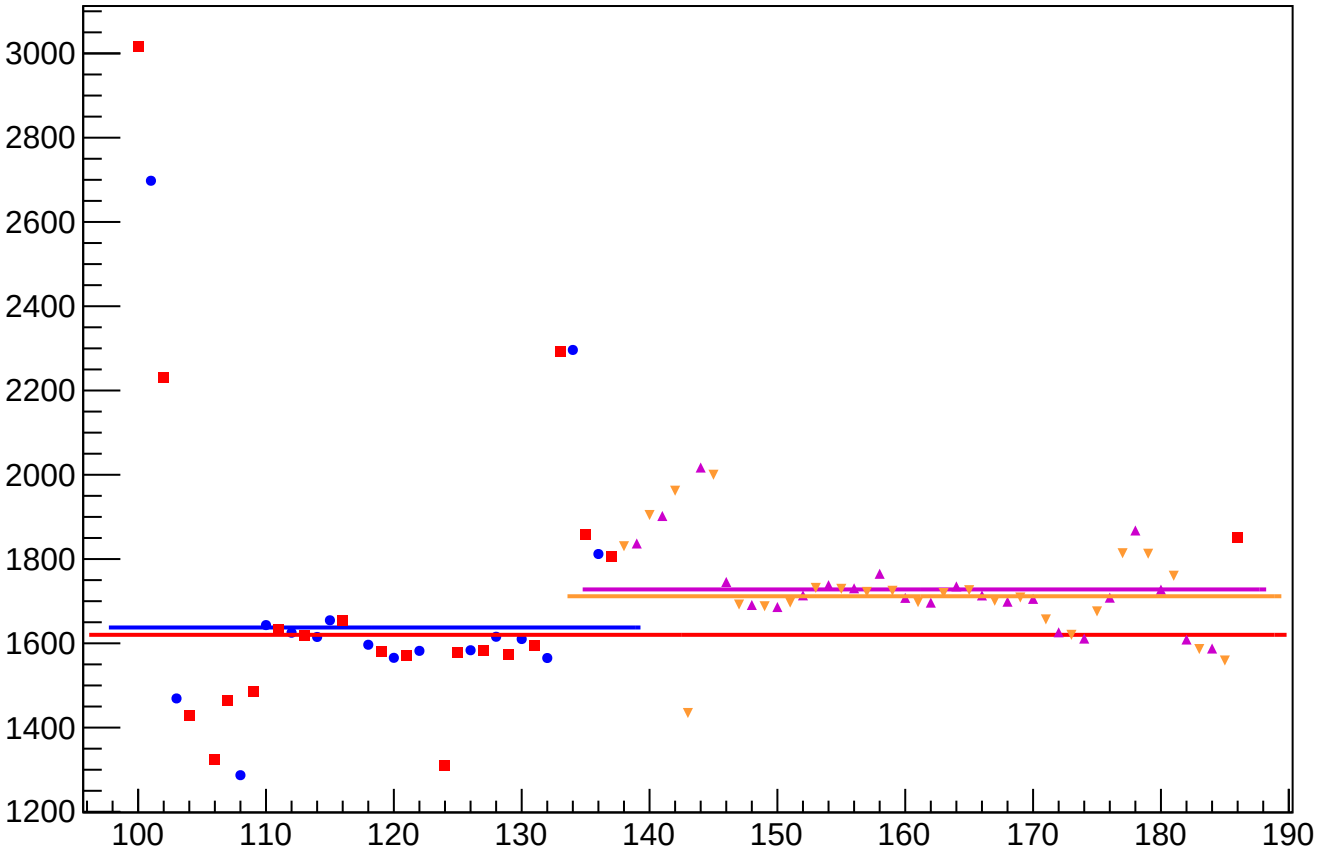
In: -78.254+/-194.384 χ^2/NDF:49.2/38

Out: 590.428+/-187.999 χ^2/NDF:74.8/44

All: 267.250+/-135.136 χ^2/NDF: 130.1/83


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1327.765+/-0.368 χ²/NDF: 2421049.0/19
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1375.629+/-0.272 χ²/NDF: 4221972.8/35
In: 936.513+/-0.137 χ²/NDF:4452292.7/38
Out: 919.930+/-0.133 χ²/NDF:6116386.4/44
All: 927.945+/-0.096 χ²/NDF: 10576199.9/83


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: 1130.728+/-617.236 χ²/NDF: 15.0/15
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: 515.292+/-426.585 χ²/NDF: 38.8/35
In: 469.322+/-338.085 χ²/NDF:31.1/38
Out: 389.666+/-325.250 χ²/NDF:54.6/44
All: 427.953+/-234.393 χ²/NDF: 85.7/83



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

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

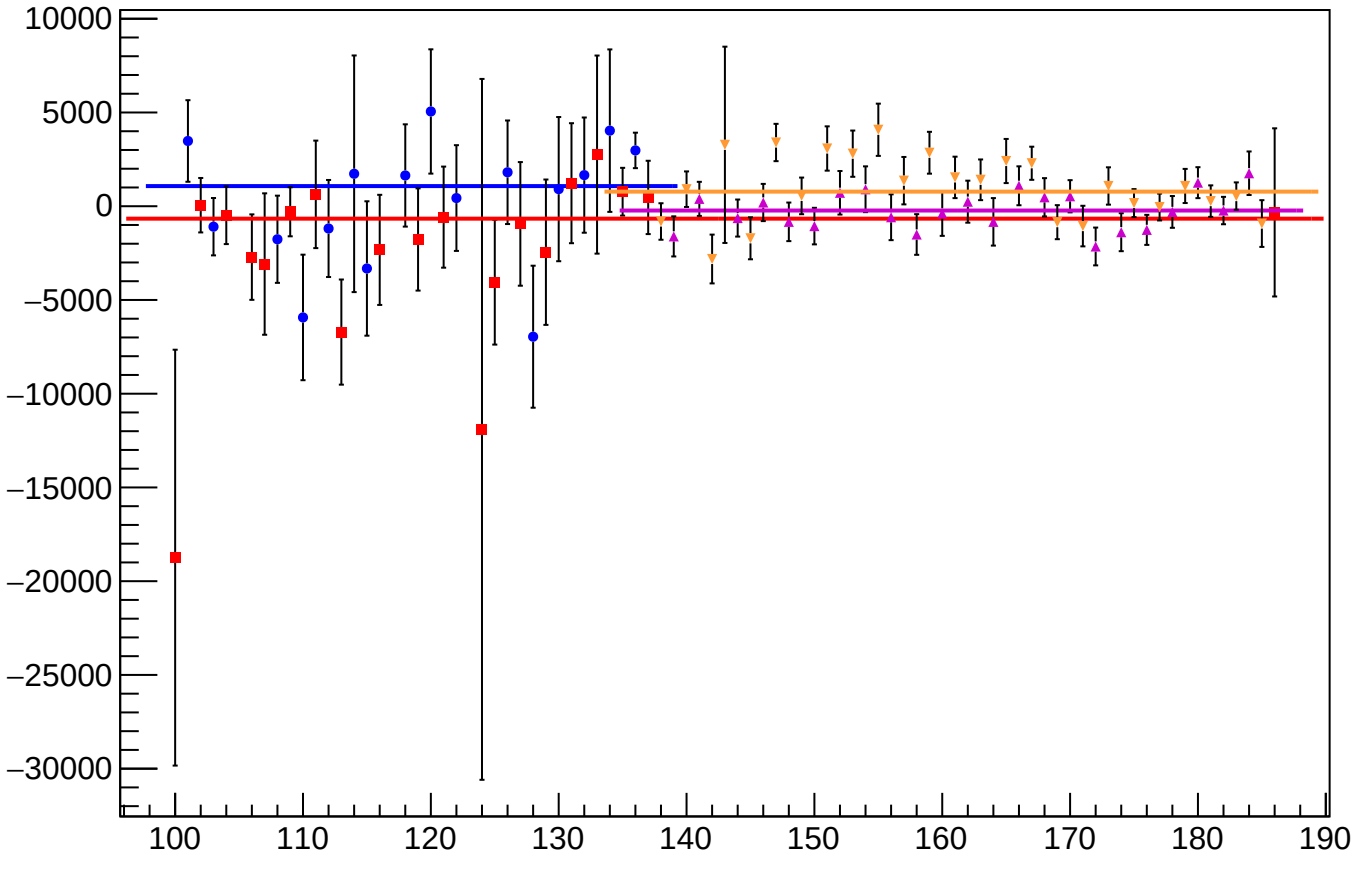
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1628.473+/-0.302 χ^2/NDF: 656397.6/35

In: 1700.809+/-0.239 χ^2/NDF:491632.3/38

Out: 1683.908+/-0.230 χ^2/NDF:495667.6/44

All: 1692.031+/-0.166 χ^2/NDF: 989895.6/83



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

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

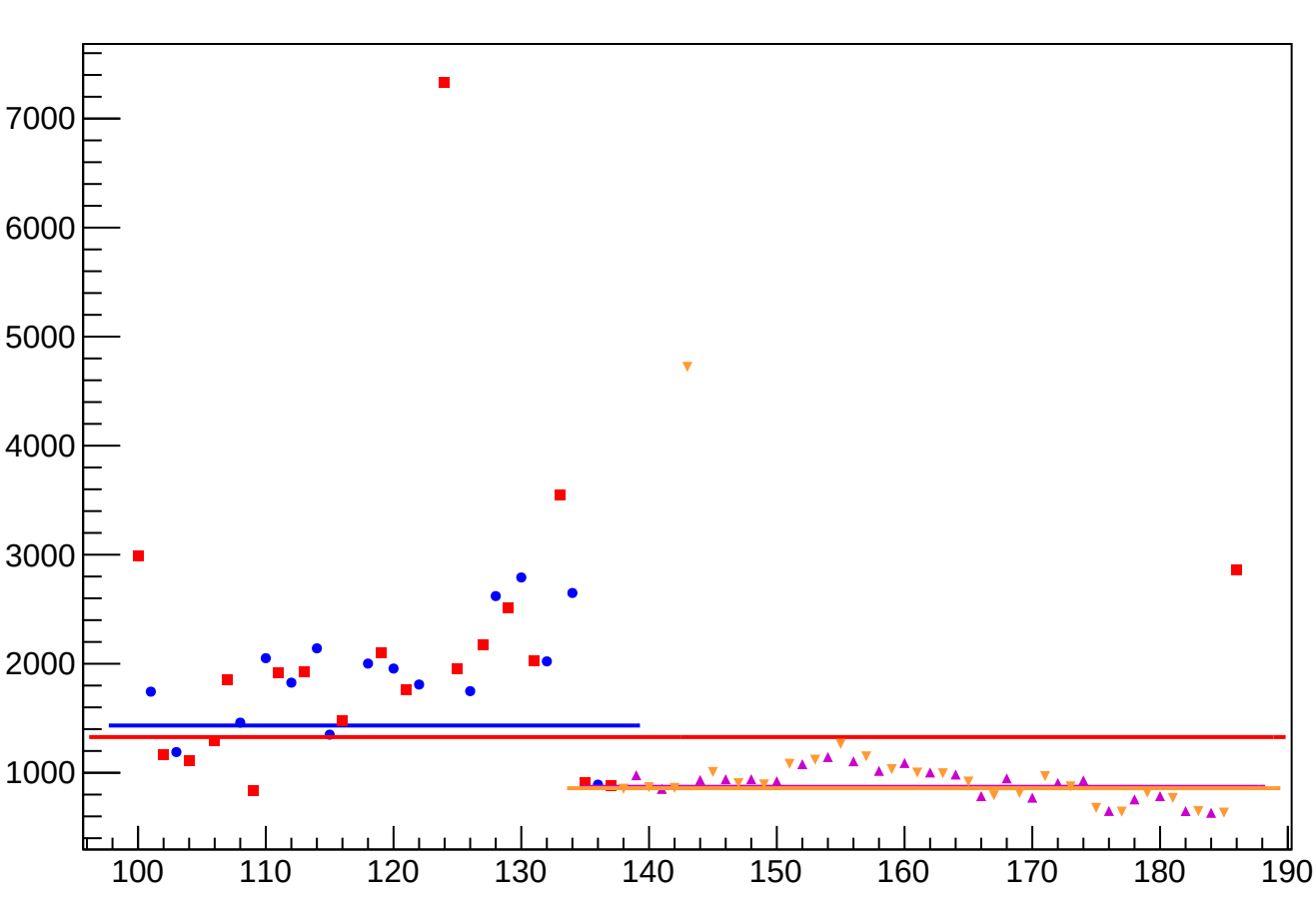
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 123.158+/-384.631 χ^2/NDF: 40.6/35

In: -78.256+/-194.384 χ^2/NDF:49.2/38

Out: 590.431+/-187.999 χ^2/NDF:74.8/44

All: 267.251+/-135.136 χ^2/NDF: 130.1/83



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

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

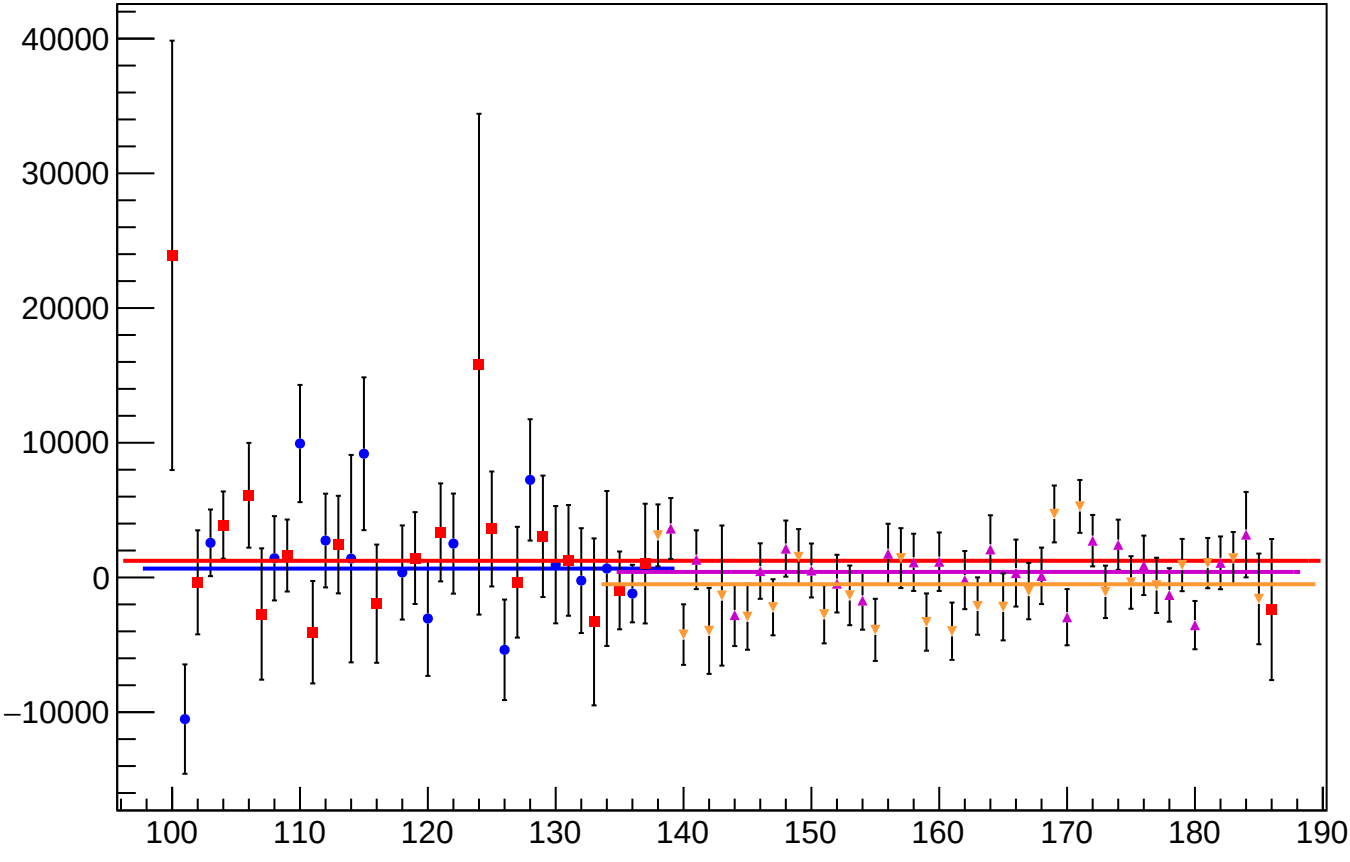
Right: 1375.643+/-0.272 χ^2/NDF: 4221803.4/35

In: 936.513+/-0.137 χ^2/NDF:4452281.9/38

Out: 919.931+/-0.133 χ^2/NDF:6116363.3/44

All: 927.945+/-0.096 χ^2/NDF: 10576164.9/83

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

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

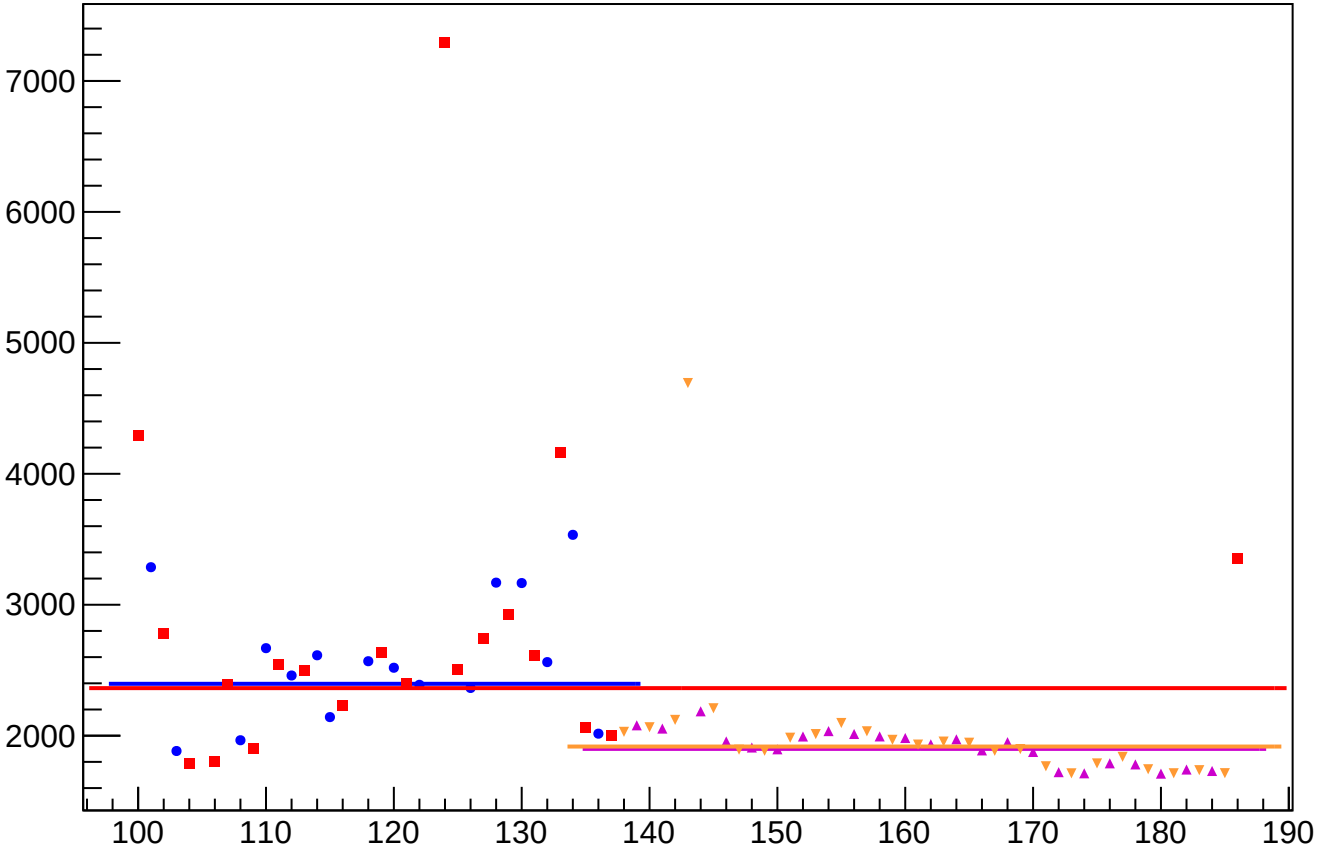
Right: 958.604+/-631.694 χ^2/NDF: 33.5/35

In: 459.172+/-399.416 χ^2/NDF:40.9/38

Out: -152.567+/-393.306 χ^2/NDF:50.4/44

All: 148.588+/-280.244 χ^2/NDF: 92.5/83

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

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

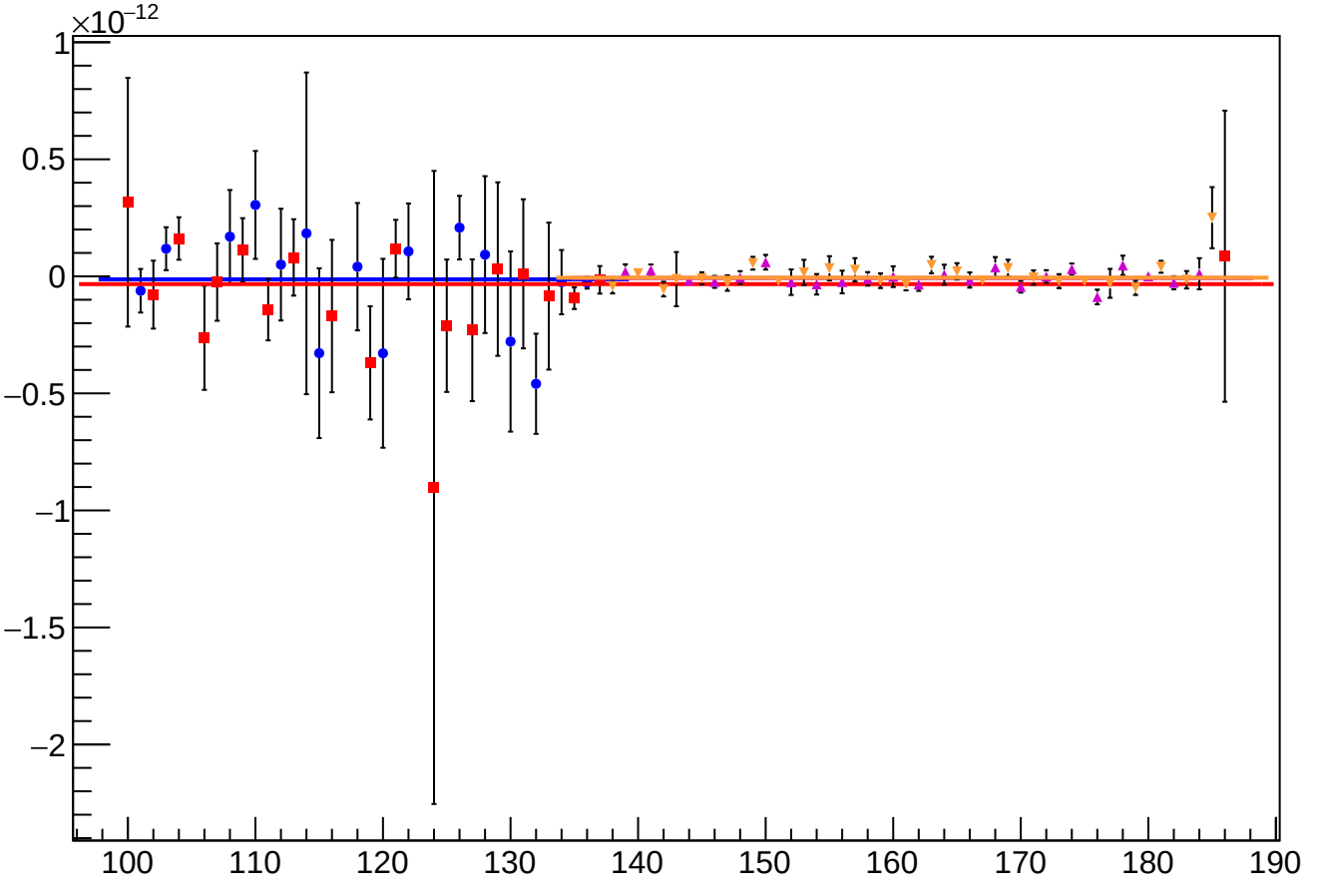
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2379.165+/-0.447 χ^2/NDF: 1264358.9/35

In: 1995.089+/-0.282 χ^2/NDF:1163320.0/38

Out: 2006.674+/-0.278 χ^2/NDF:1924140.5/44

All: 2000.971+/-0.198 χ^2/NDF: 3088314.8/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

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

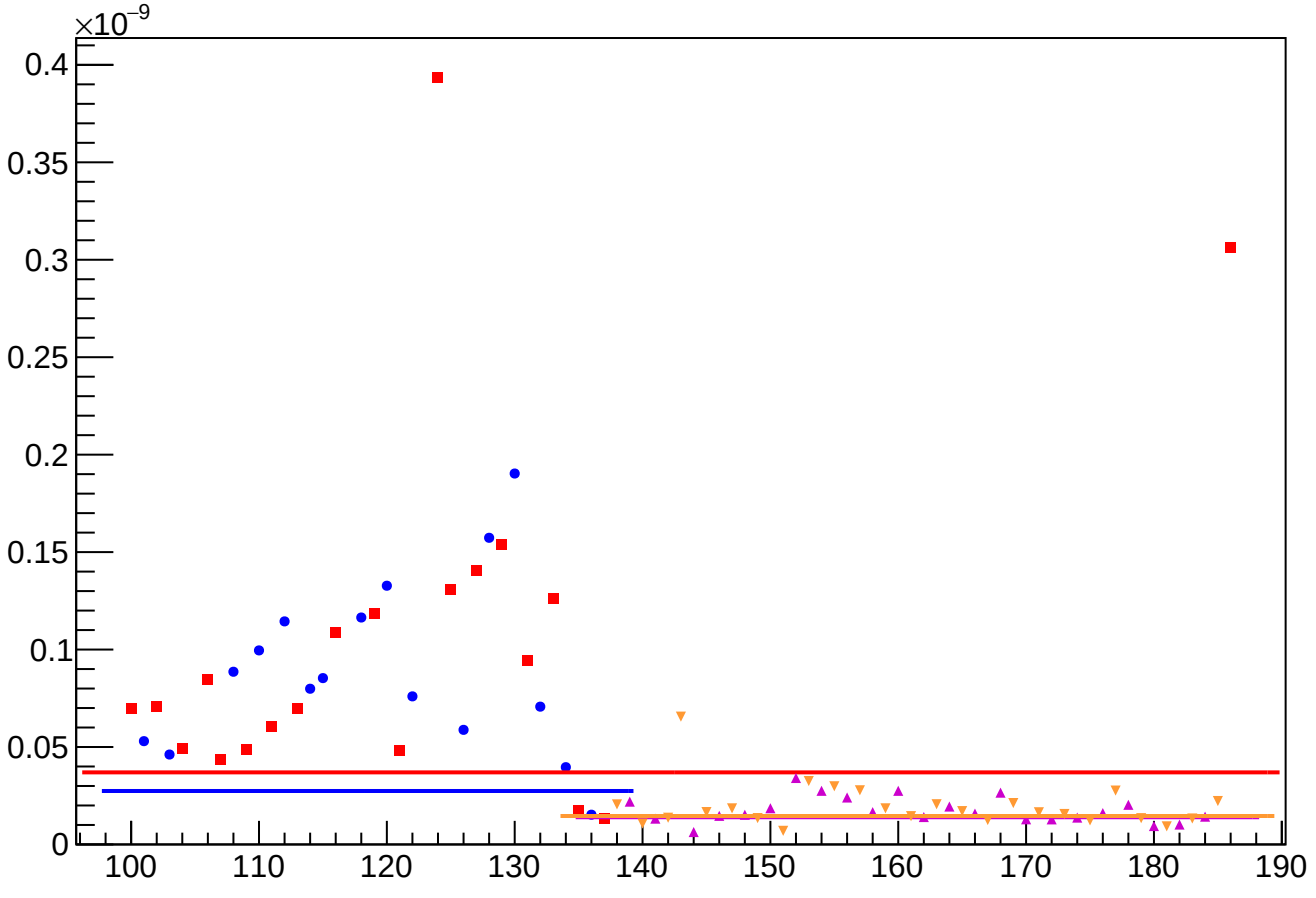
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 30.4/35

In: -0.000+/-0.000 χ^2/NDF:39.9/38

Out: -0.000+/-0.000 χ^2/NDF:44.7/44

All: -0.000+/-0.000 χ^2/NDF: 84.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

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

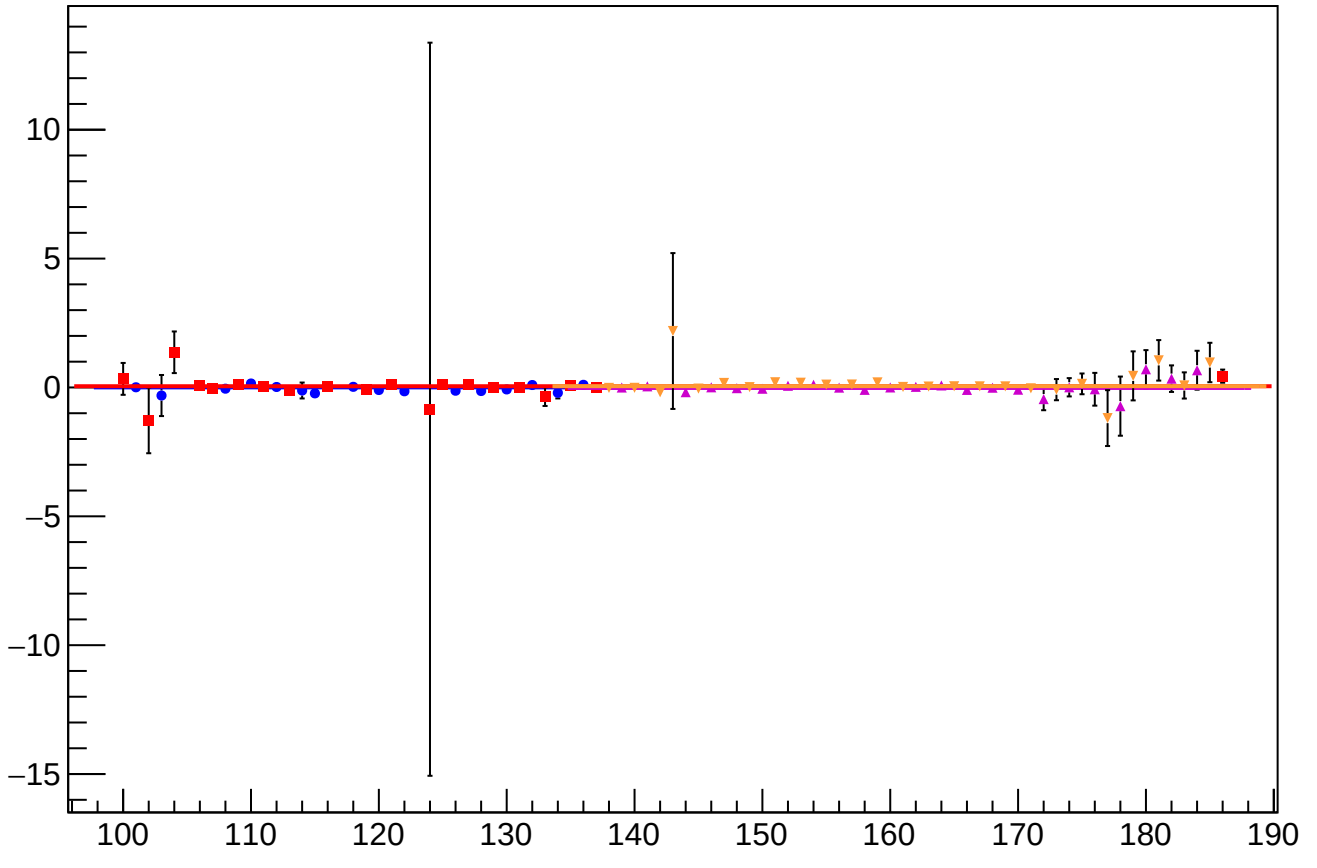
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5689478.6/35

In: 0.000+/-0.000 χ^2/NDF:5361460.5/38

Out: 0.000+/-0.000 χ^2/NDF:5919407.7/44

All: 0.000+/-0.000 χ^2/NDF: 11295983.6/83



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

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

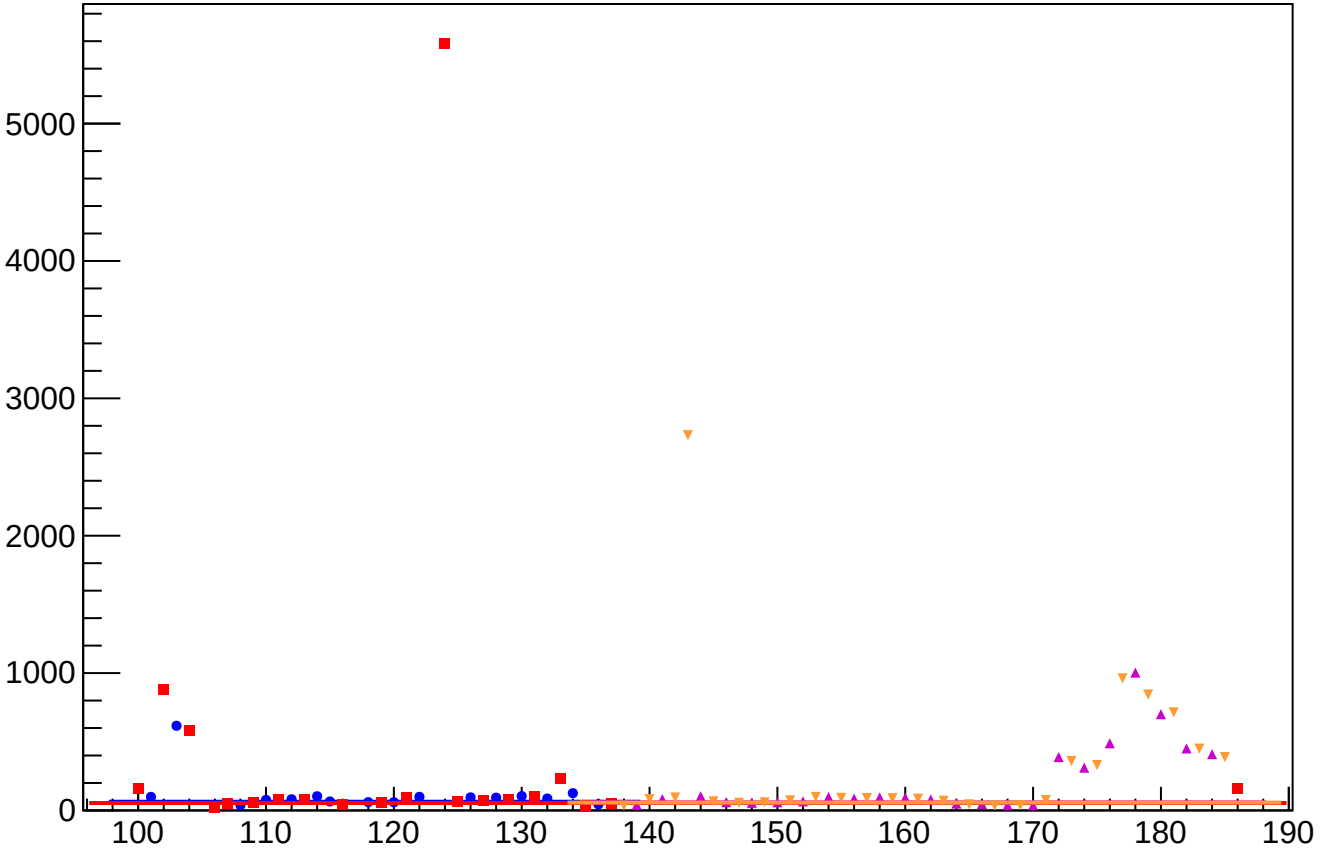
Right: 0.027+/-0.018 χ^2/NDF: 29.8/35

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/83

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

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

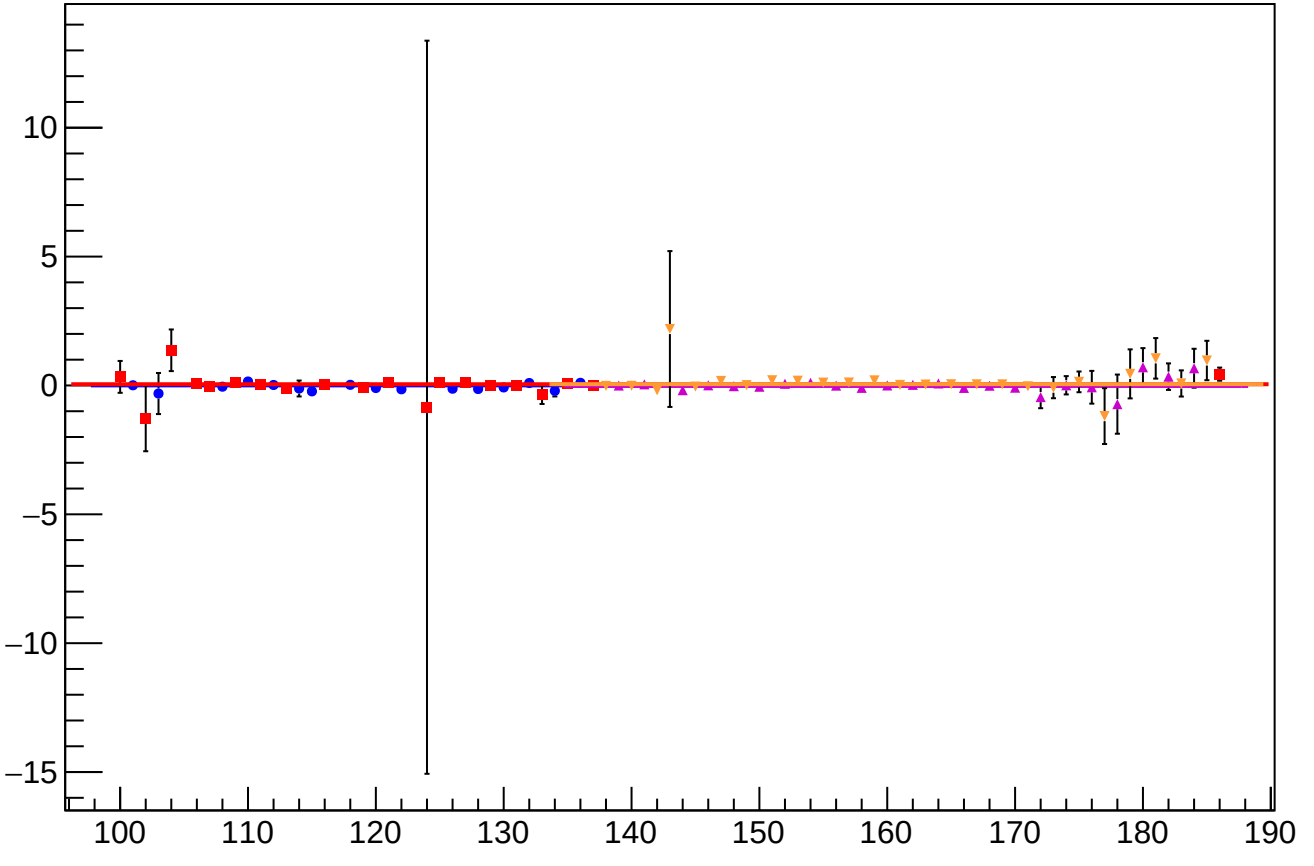
Right: 58.391+/-0.013 χ^2/NDF: 6865466.4/35

In: 59.963+/-0.010 χ^2/NDF:12738867.5/38

Out: 56.280+/-0.010 χ^2/NDF:16636486.0/44

All: 58.060+/-0.007 χ^2/NDF: 29442066.6/83

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 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

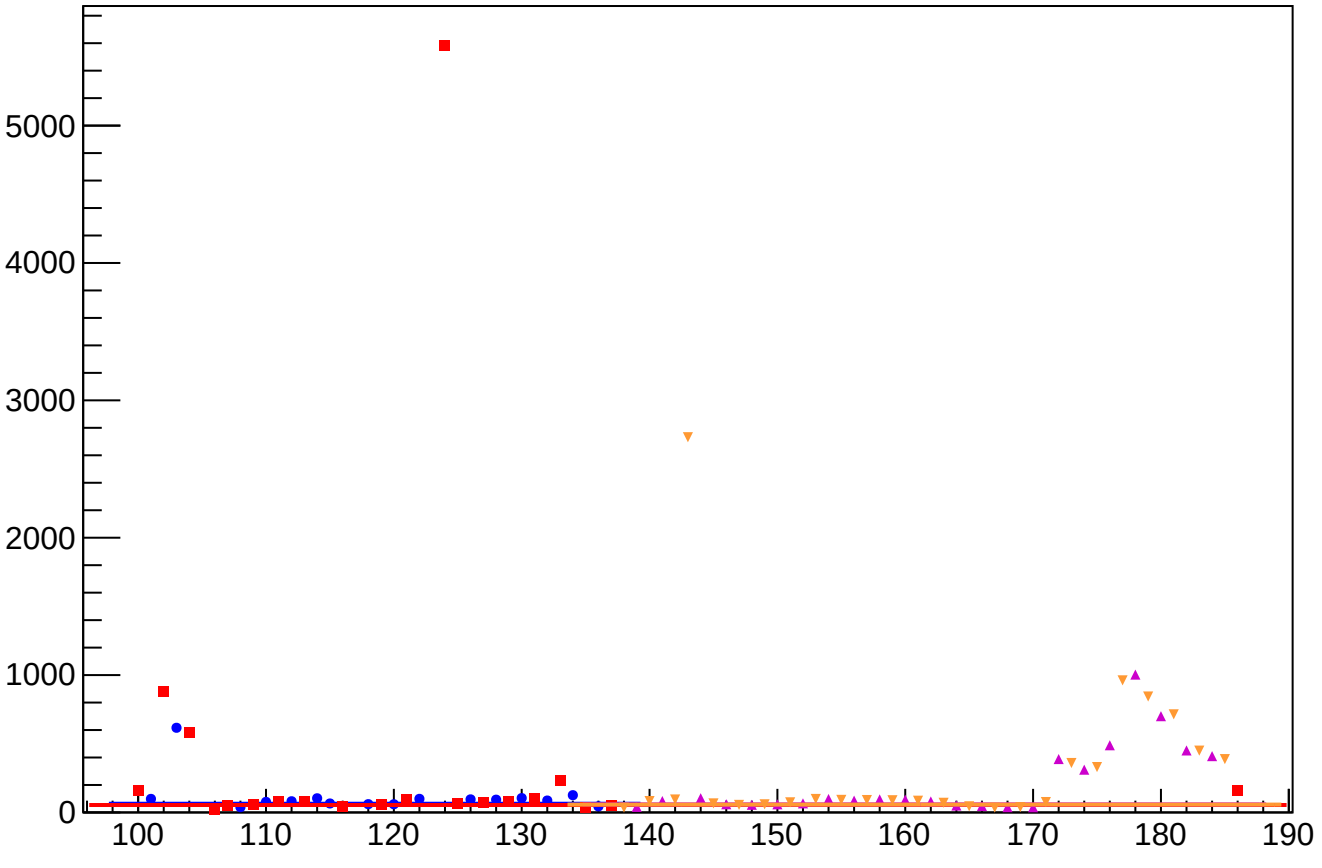
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.018 χ^2/NDF: 29.8/35

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/83



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

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

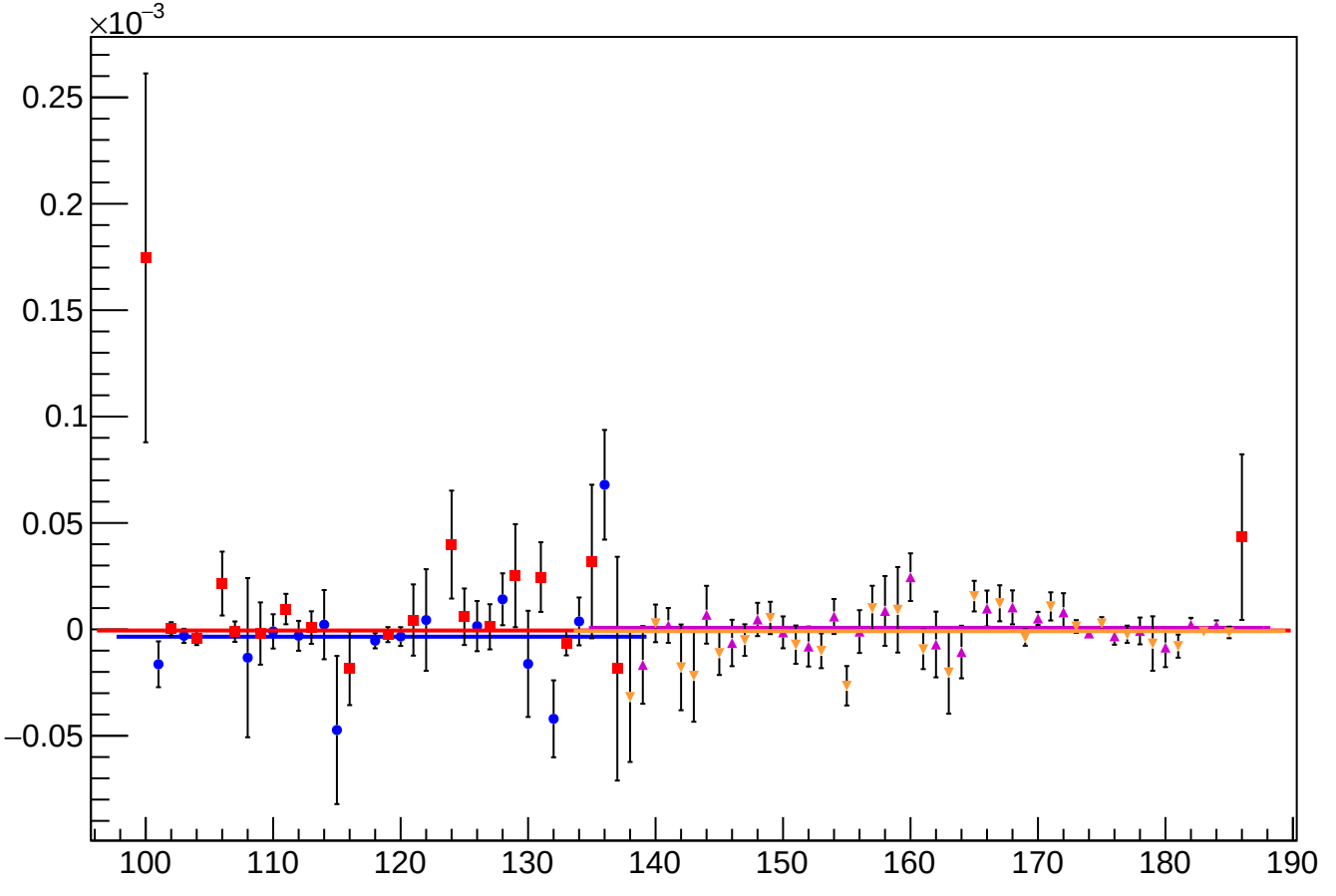
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 58.391+/-0.013 χ^2/NDF: 6865466.4/35

In: 59.963+/-0.010 χ^2/NDF:12738867.5/38

Out: 56.280+/-0.010 χ^2/NDF:16636486.0/44

All: 58.060+/-0.007 χ^2/NDF: 29442066.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

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

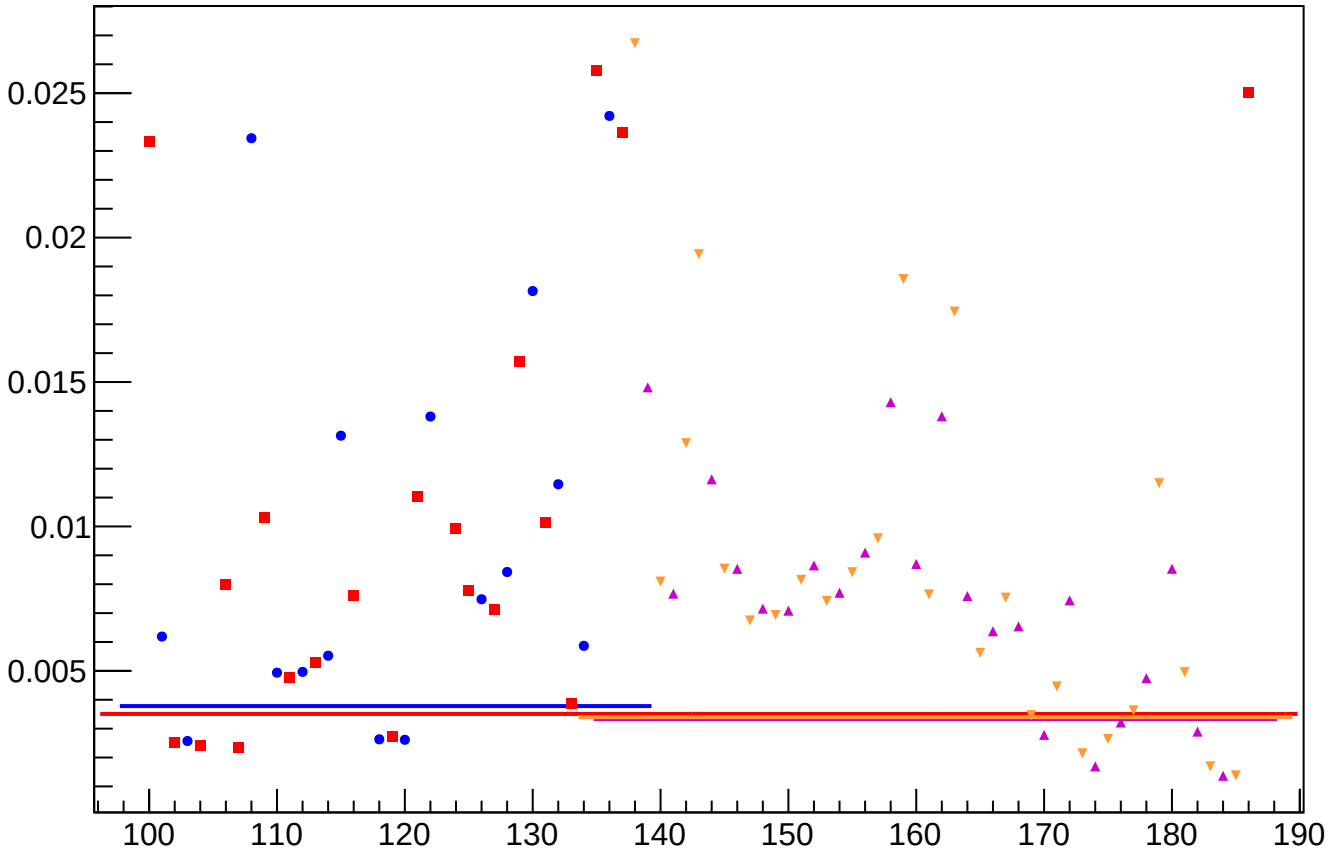
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 40.8/35

In: -0.000+/-0.000 χ^2/NDF:41.6/38

Out: -0.000+/-0.000 χ^2/NDF:53.2/44

All: -0.000+/-0.000 χ^2/NDF: 94.9/83



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

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

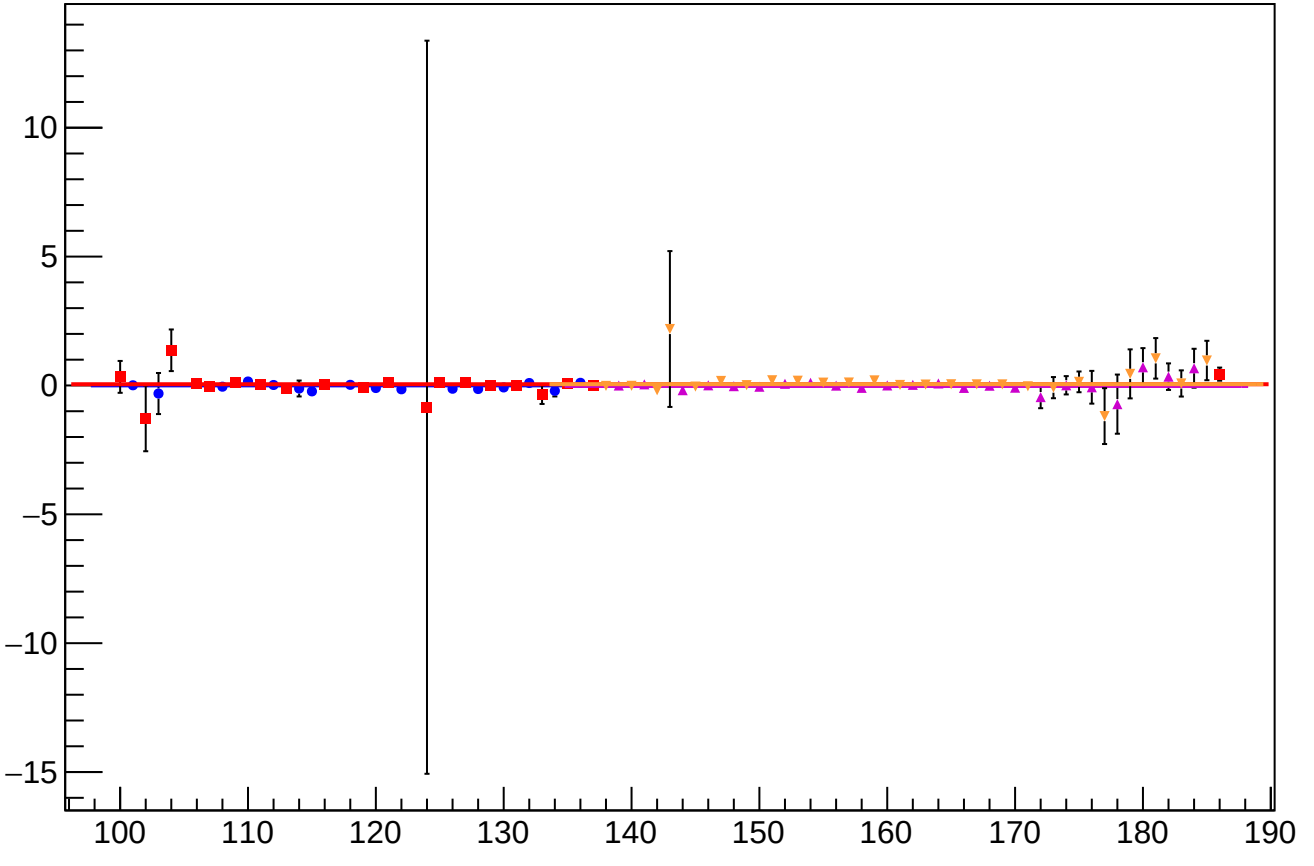
Right: 0.004+/-0.000 χ^2/NDF: 9851743.7/35

In: 0.003+/-0.000 χ^2/NDF:17378723.5/38

Out: 0.003+/-0.000 χ^2/NDF:19362648.8/44

All: 0.003+/-0.000 χ^2/NDF: 36741446.2/83

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-0.017 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

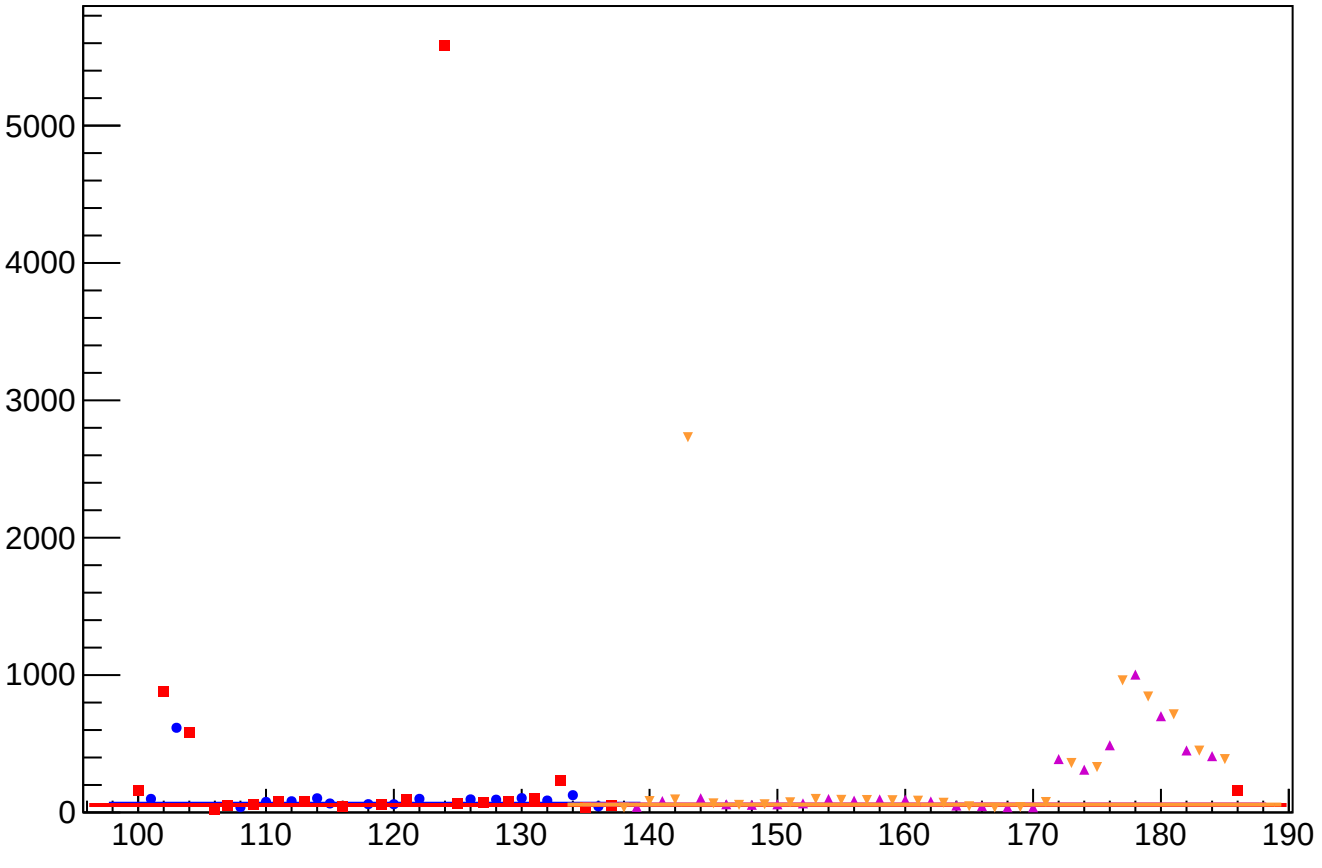
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.027+/-0.018 χ^2/NDF: 29.8/35

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/83



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

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

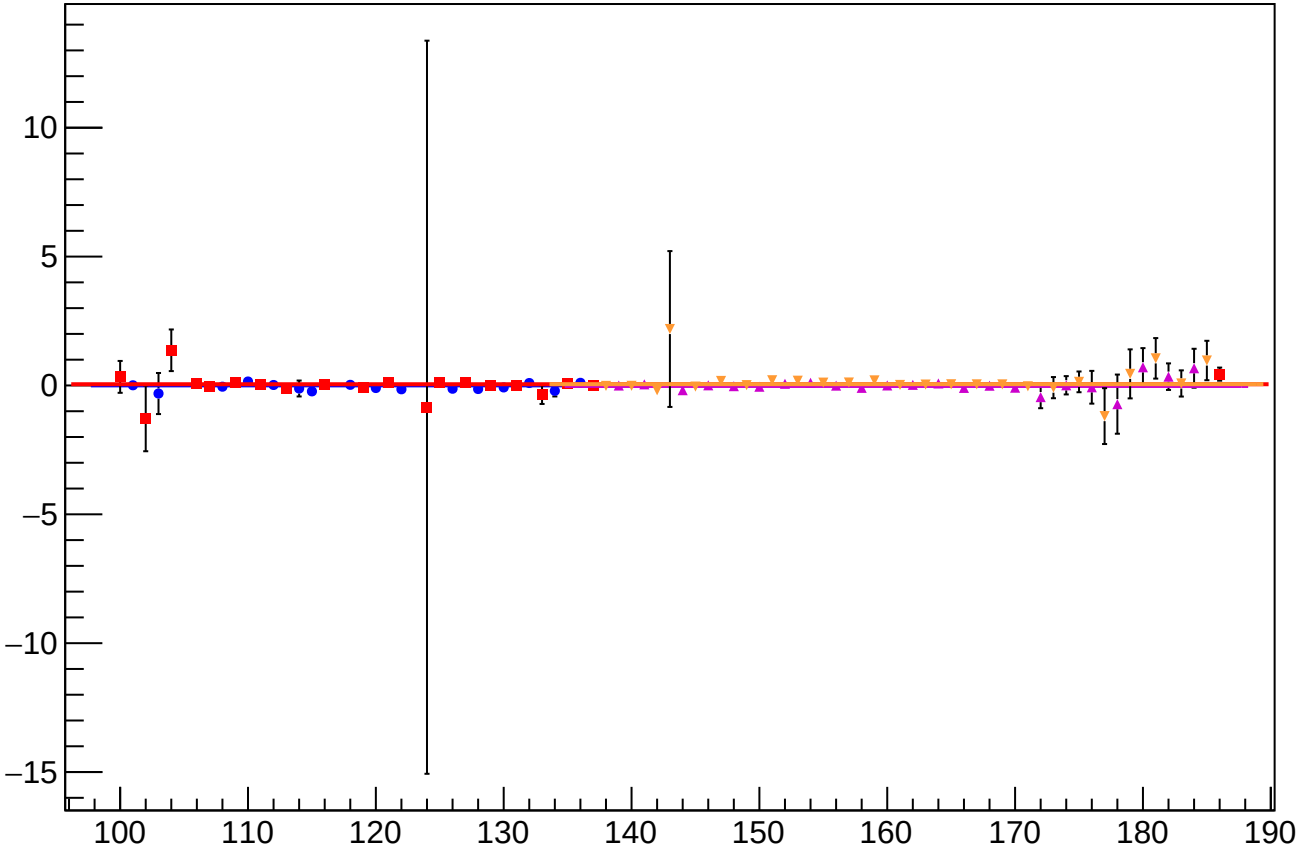
Right: 58.392+/-0.013 χ^2/NDF: 6865543.4/35

In: 59.967+/-0.010 χ^2/NDF:12737579.8/38

Out: 56.277+/-0.010 χ^2/NDF:16636882.7/44

All: 58.061+/-0.007 χ^2/NDF: 29441412.6/83

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.050+/-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

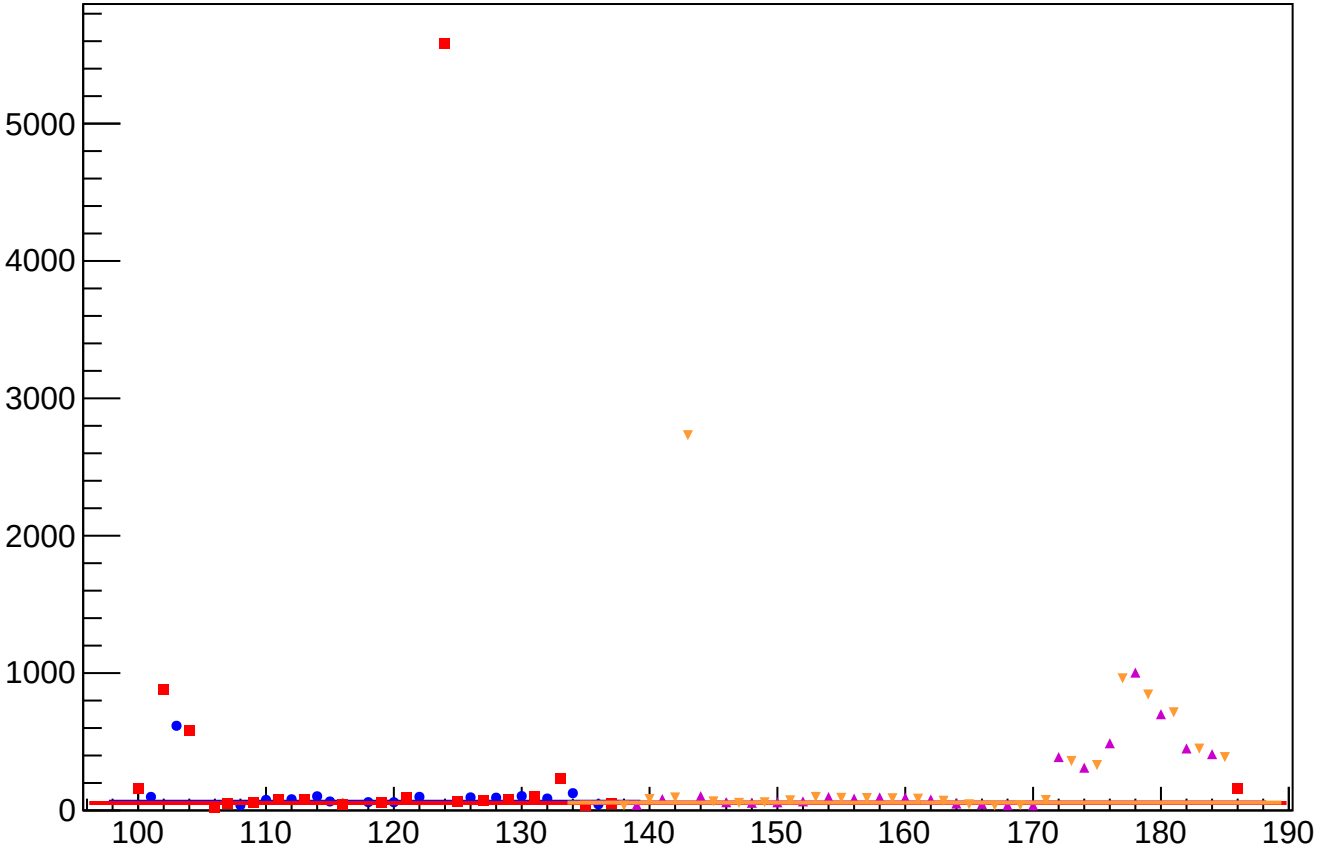
Right: 0.027+/-0.018 χ^2/NDF: 29.8/35

In: -0.013+/-0.014 χ^2/NDF:29.2/38

Out: 0.049+/-0.014 χ^2/NDF:39.6/44

All: 0.019+/-0.010 χ^2/NDF: 78.1/83

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 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

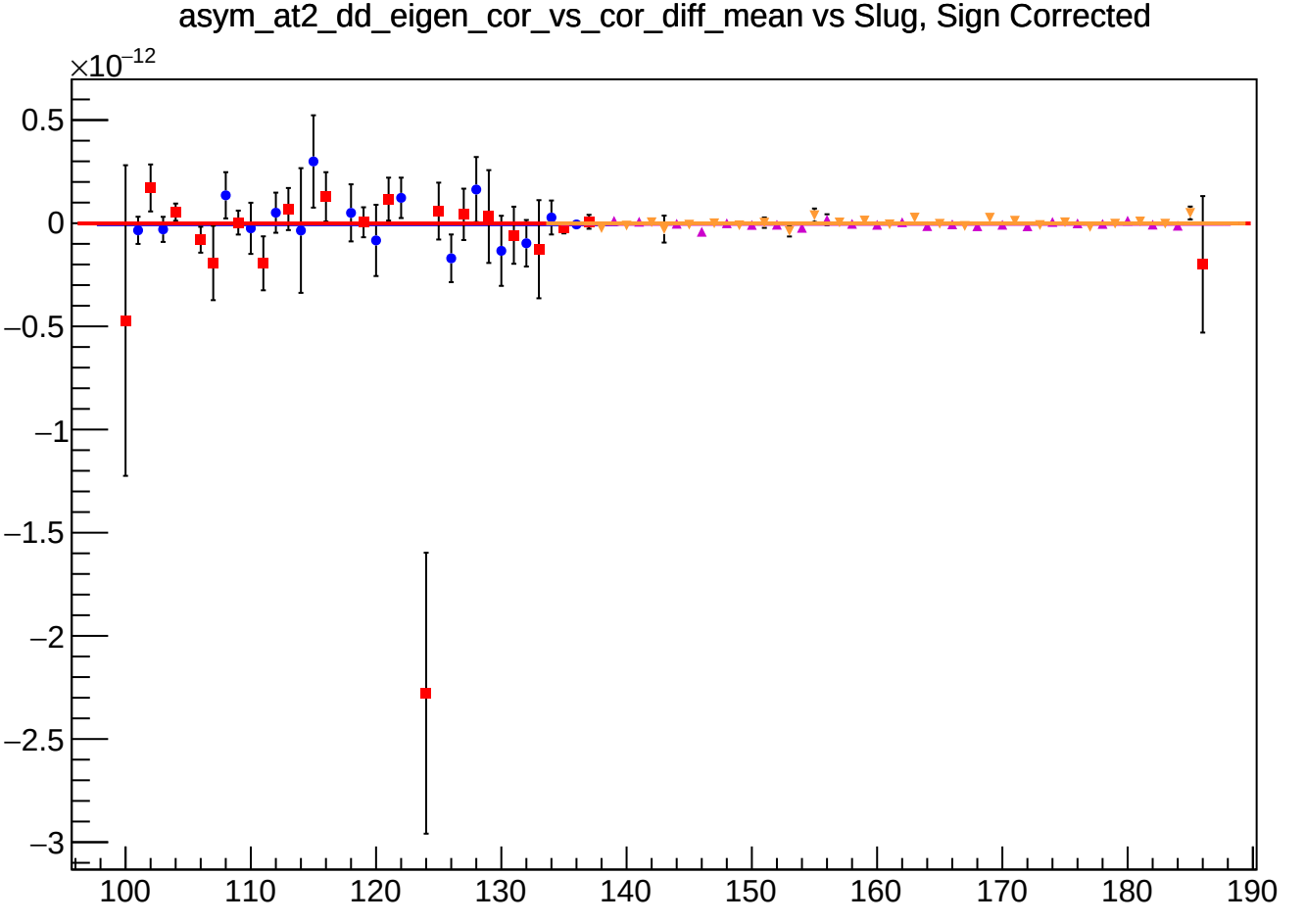
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 58.392+/-0.013 χ^2/NDF: 6865543.4/35

In: 59.967+/-0.010 χ^2/NDF:12737579.8/38

Out: 56.277+/-0.010 χ^2/NDF:16636882.7/44

All: 58.061+/-0.007 χ^2/NDF: 29441412.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

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

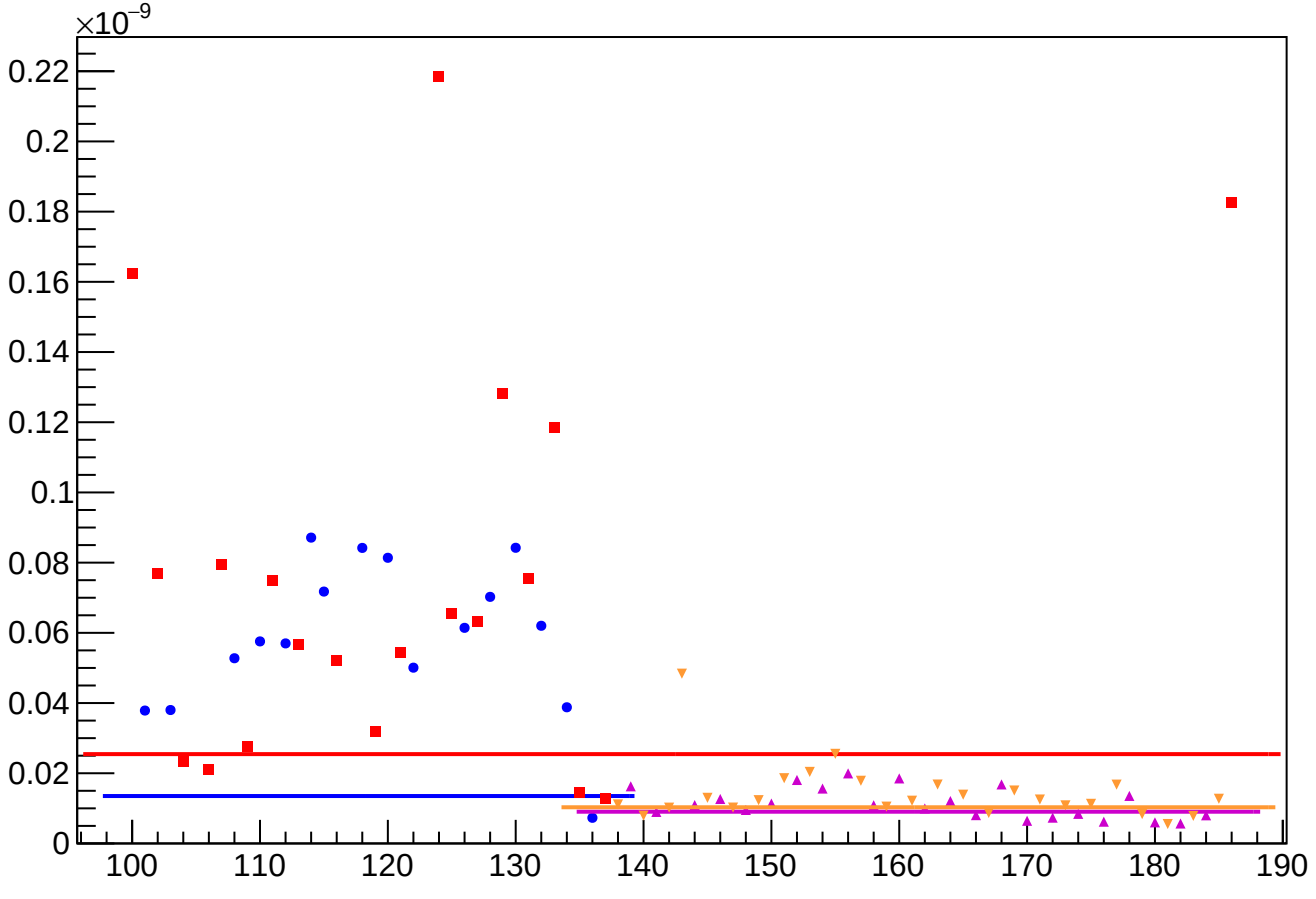
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 36.3/35

In: -0.000+/-0.000 χ^2/NDF:26.3/38

Out: -0.000+/-0.000 χ^2/NDF:44.3/44

All: -0.000+/-0.000 χ^2/NDF: 70.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

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

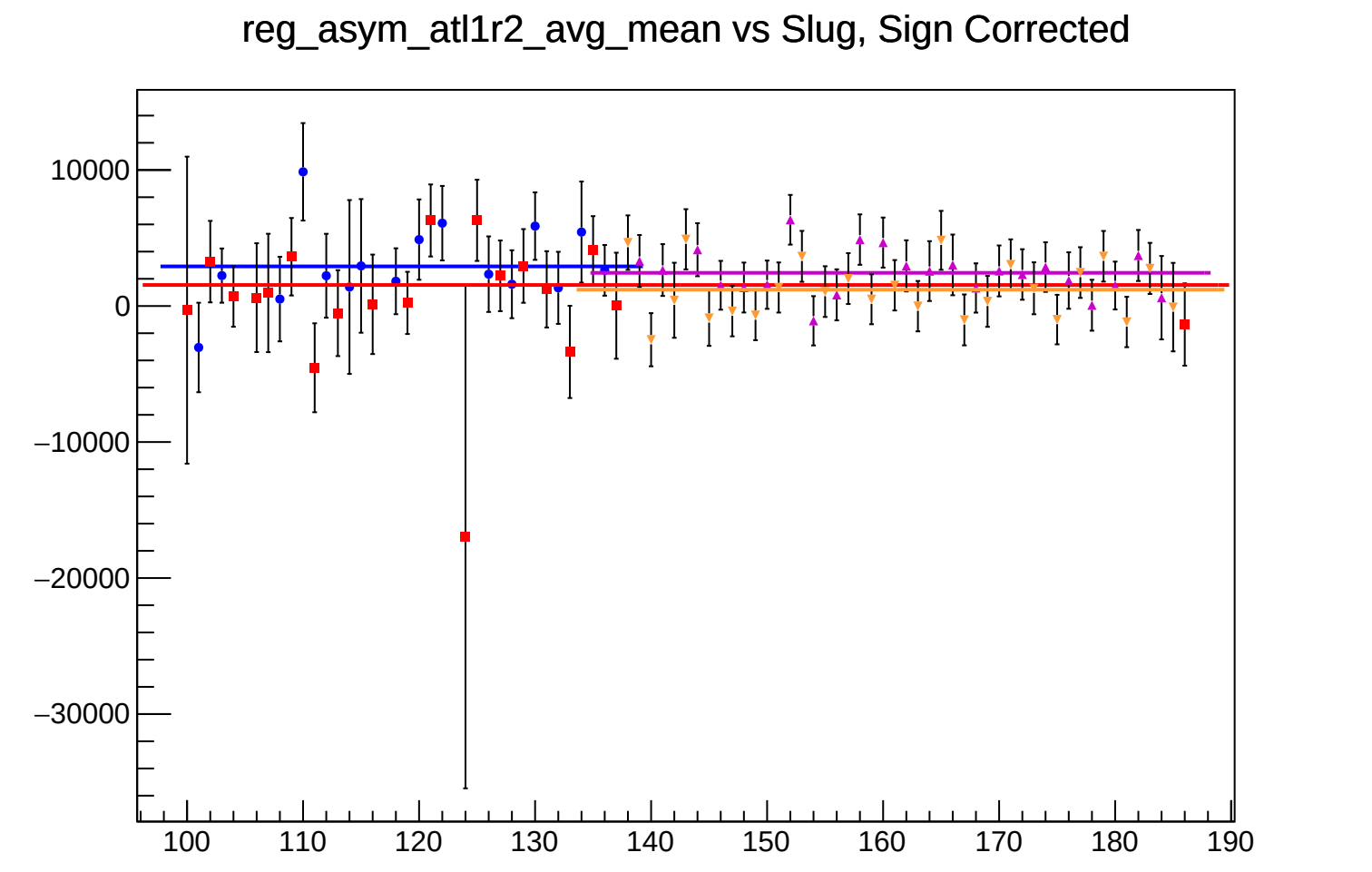
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9884170.5/35

In: 0.000+/-0.000 χ^2/NDF:8392923.5/38

Out: 0.000+/-0.000 χ^2/NDF:9623347.5/44

All: 0.000+/-0.000 χ^2/NDF: 18309846.2/83



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

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

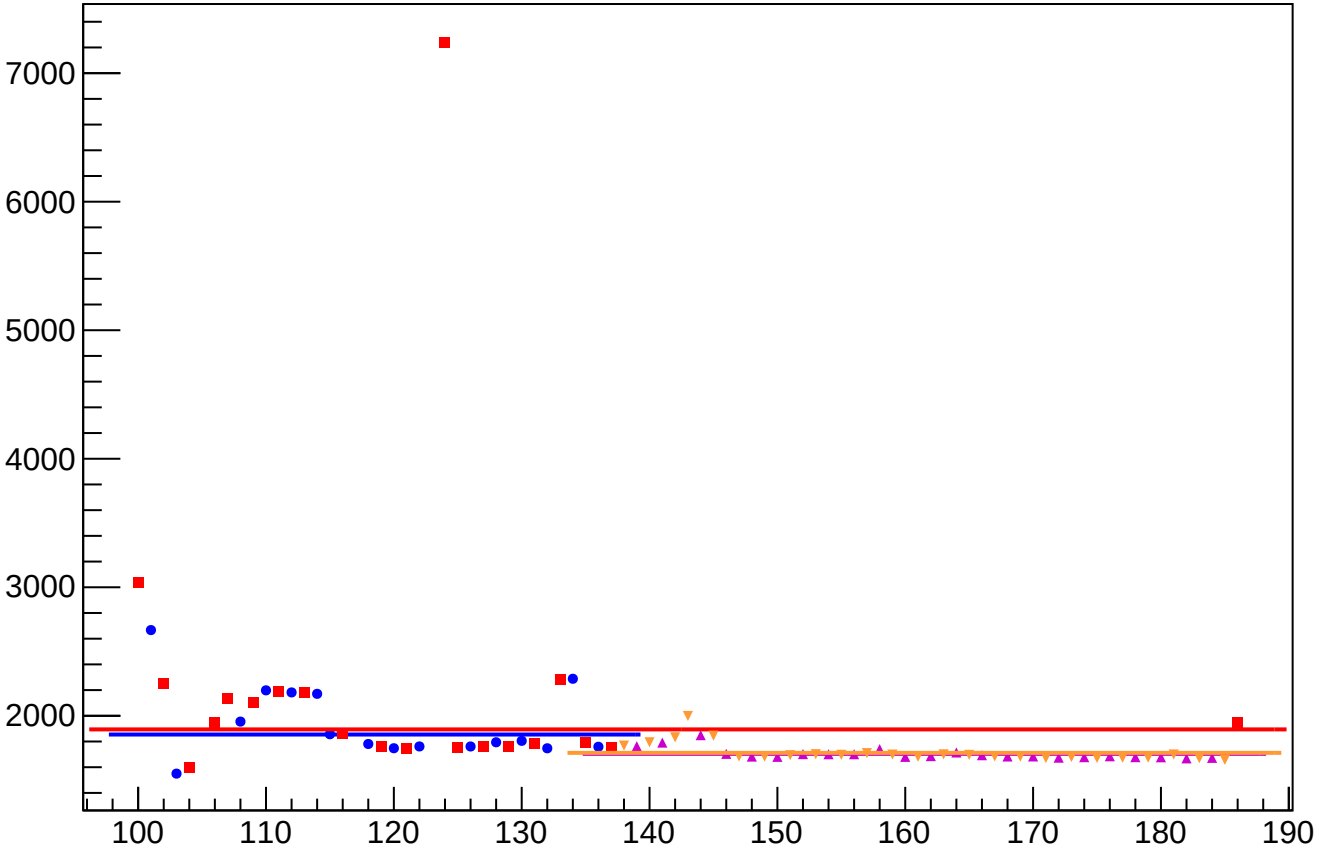
Right: 2222.855+/-489.071 χ^2/NDF: 31.2/35

In: 2556.030+/-345.364 χ^2/NDF:30.3/38

Out: 1285.651+/-338.746 χ^2/NDF:43.3/44

All: 1908.552+/-241.836 χ^2/NDF: 80.5/83

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

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

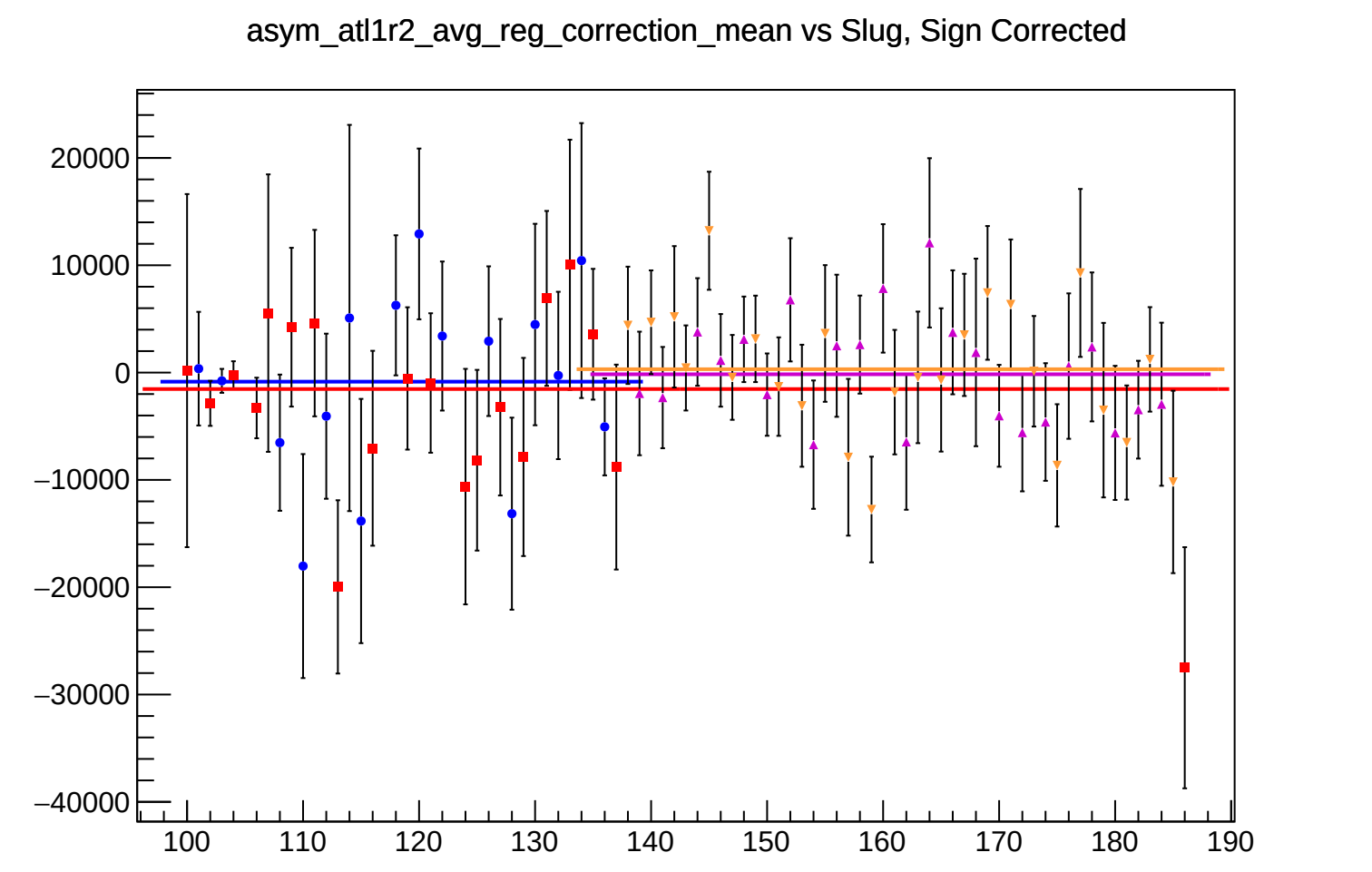
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1874.515+/-0.345 χ^2/NDF: 631310.4/35

In: 1741.088+/-0.244 χ^2/NDF:356363.2/38

Out: 1756.120+/-0.239 χ^2/NDF:531579.7/44

All: 1748.753+/-0.171 χ^2/NDF: 889874.9/83



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

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

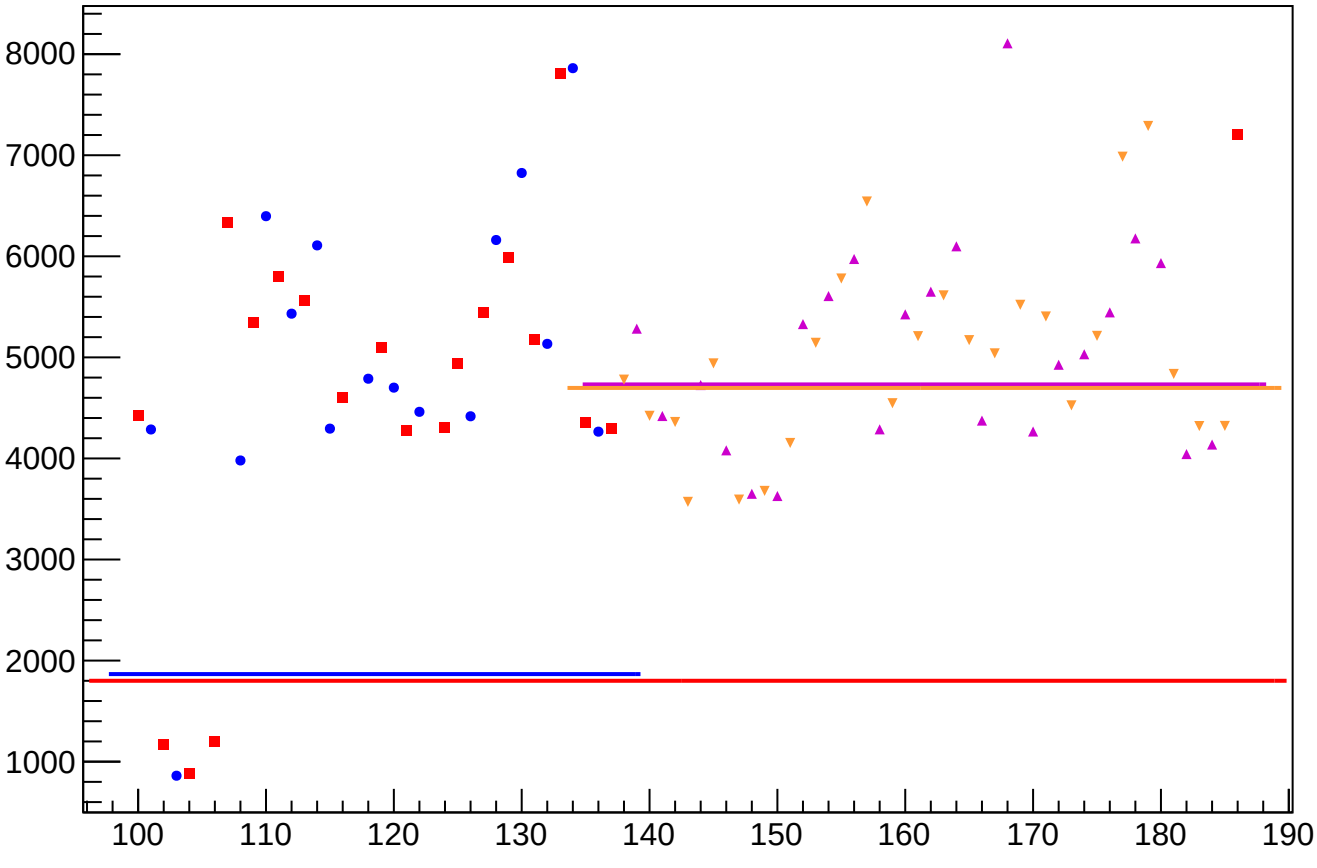
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1209.343+/-662.494 χ^2/NDF: 33.5/35

In: -557.244+/-732.486 χ^2/NDF:28.8/38

Out: -773.822+/-700.385 χ^2/NDF:48.1/44

All: -670.382+/-506.215 χ^2/NDF: 76.9/83



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

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

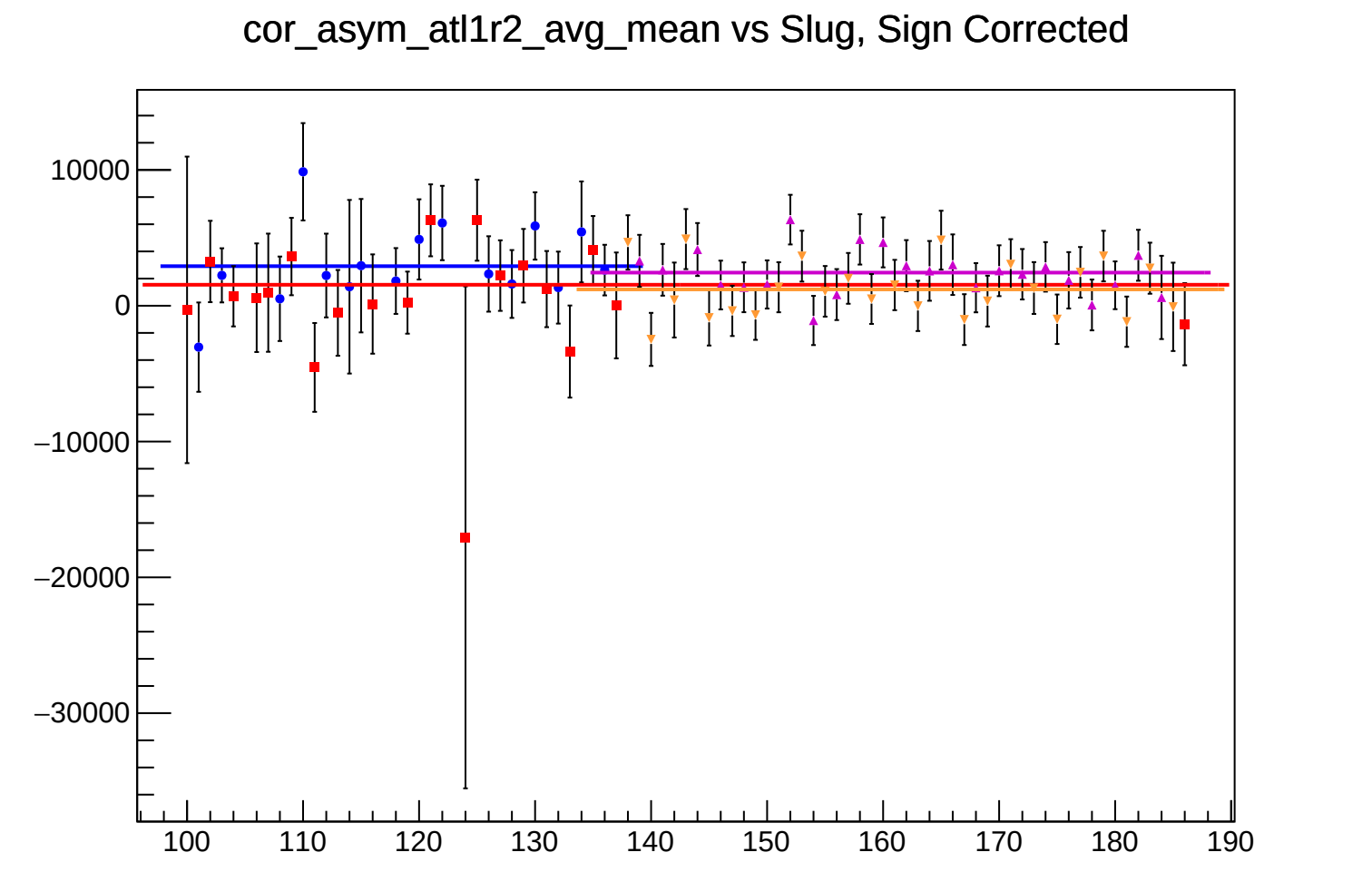
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1831.547+/-0.468 χ^2/NDF: 13755696.0/35

In: 3073.992+/-0.518 χ^2/NDF:15557733.1/38

Out: 2992.165+/-0.495 χ^2/NDF:16428534.4/44

All: 3031.246+/-0.358 χ^2/NDF: 31999305.7/8



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

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

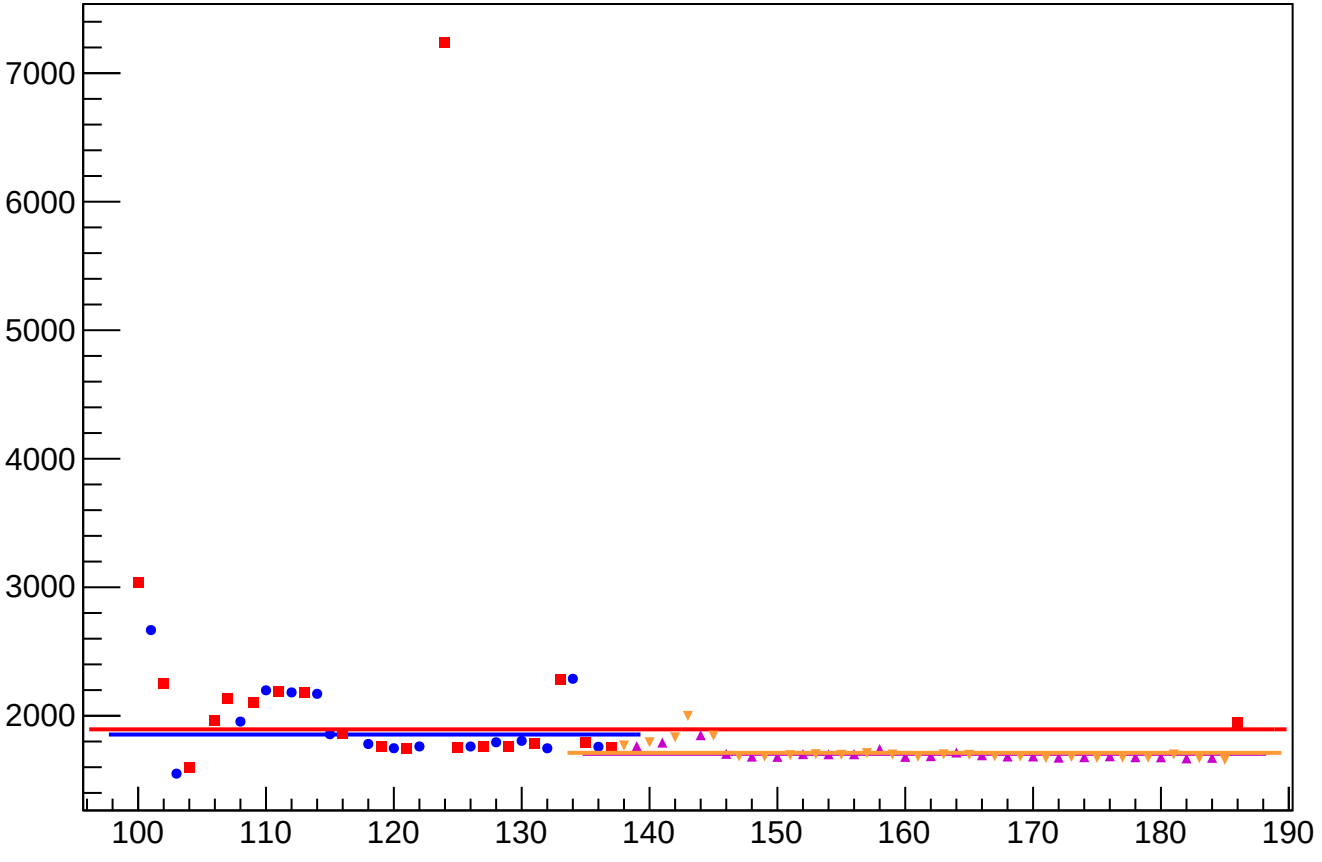
Right: 2222.243+/-489.072 χ^2/NDF: 31.2/35

In: 2556.004+/-345.364 χ^2/NDF:30.3/38

Out: 1285.259+/-338.746 χ^2/NDF:43.3/44

All: 1908.340+/-241.836 χ^2/NDF: 80.5/83

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

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

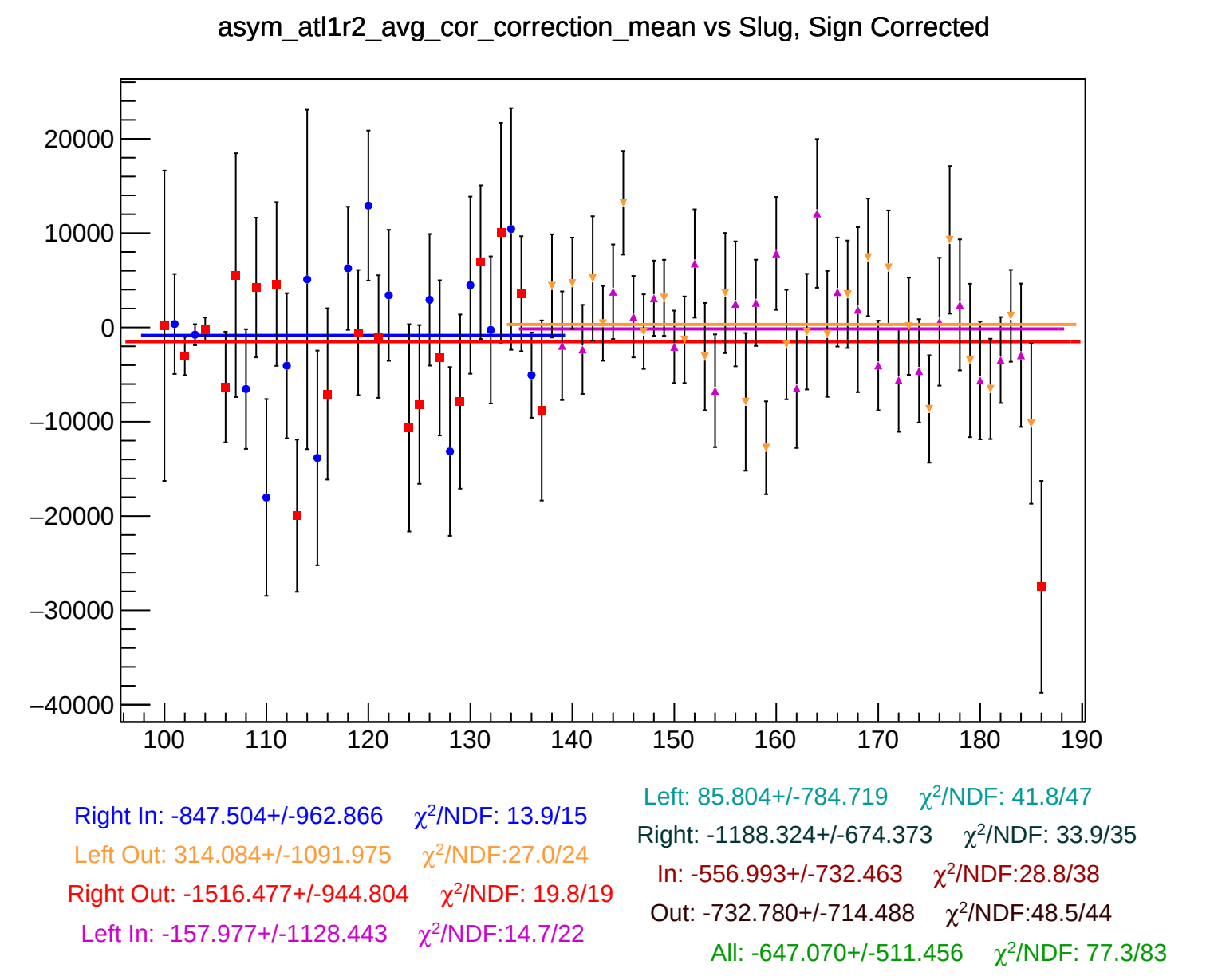
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

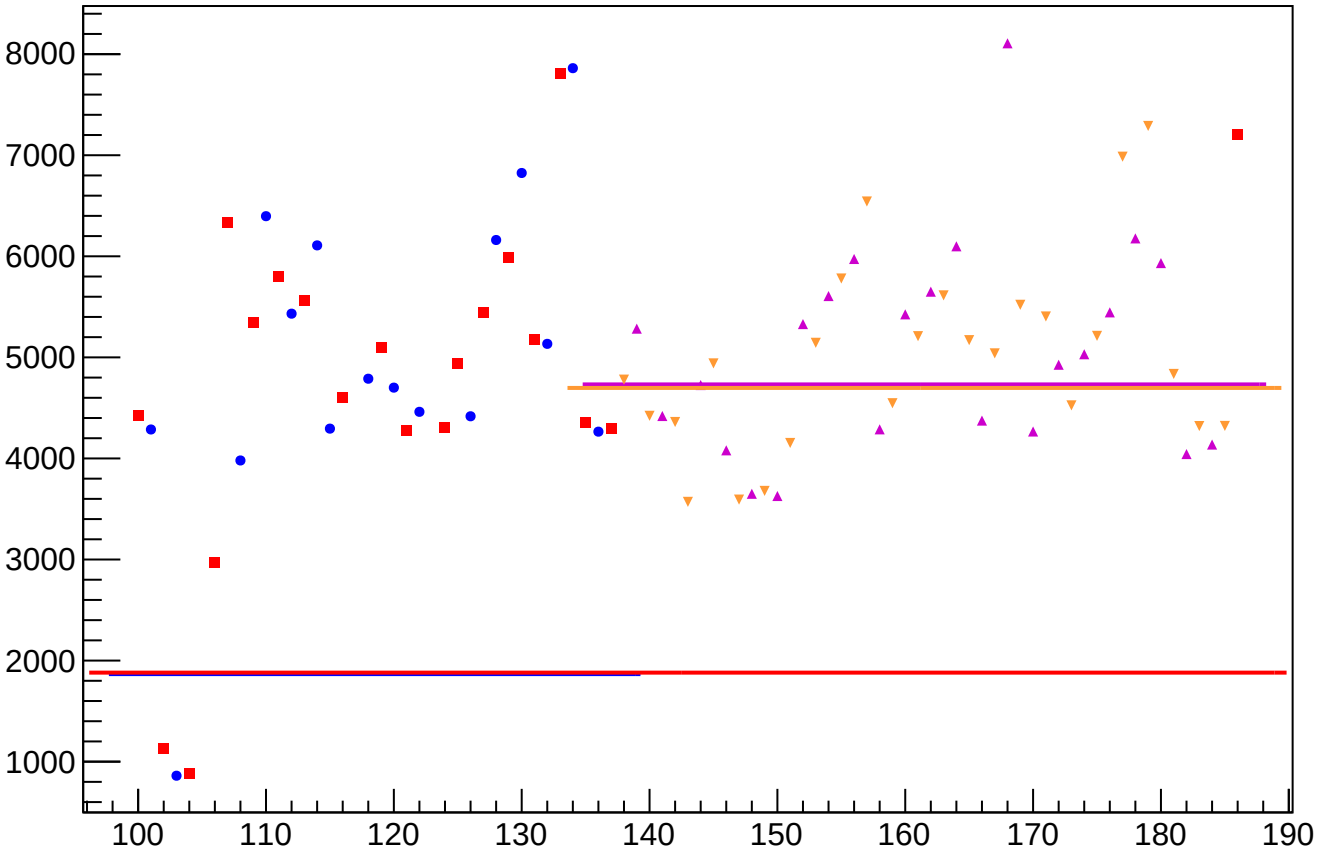
Right: 1874.732+/-0.345 χ^2/NDF: 631614.2/35

In: 1741.088+/-0.244 χ^2/NDF:356363.1/38

Out: 1756.211+/-0.239 χ^2/NDF:532287.3/44

All: 1748.800+/-0.171 χ^2/NDF: 890605.9/83


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
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: -1188.324+/-674.373 χ²/NDF: 33.9/35
In: -556.993+/-732.463 χ²/NDF:28.8/38
Out: -732.780+/-714.488 χ²/NDF:48.5/44
All: -647.070+/-511.456 χ²/NDF: 77.3/83



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

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

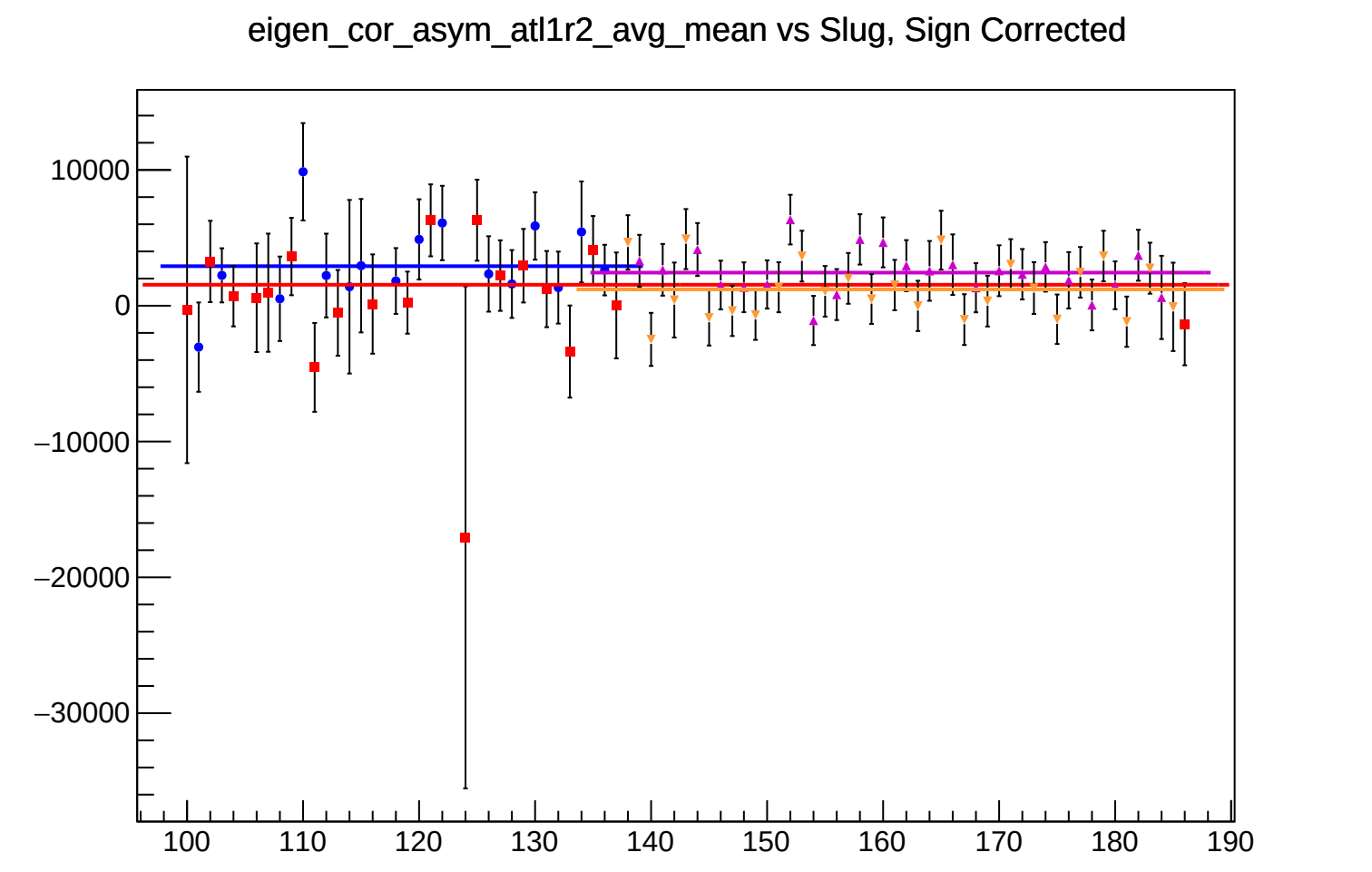
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1873.672+/-0.477 χ^2/NDF: 13761440.4/35

In: 3073.825+/-0.518 χ^2/NDF:15559306.8/38

Out: 3086.742+/-0.505 χ^2/NDF:15761198.7/44

All: 3080.444+/-0.362 χ^2/NDF: 31320824.3/8



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

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

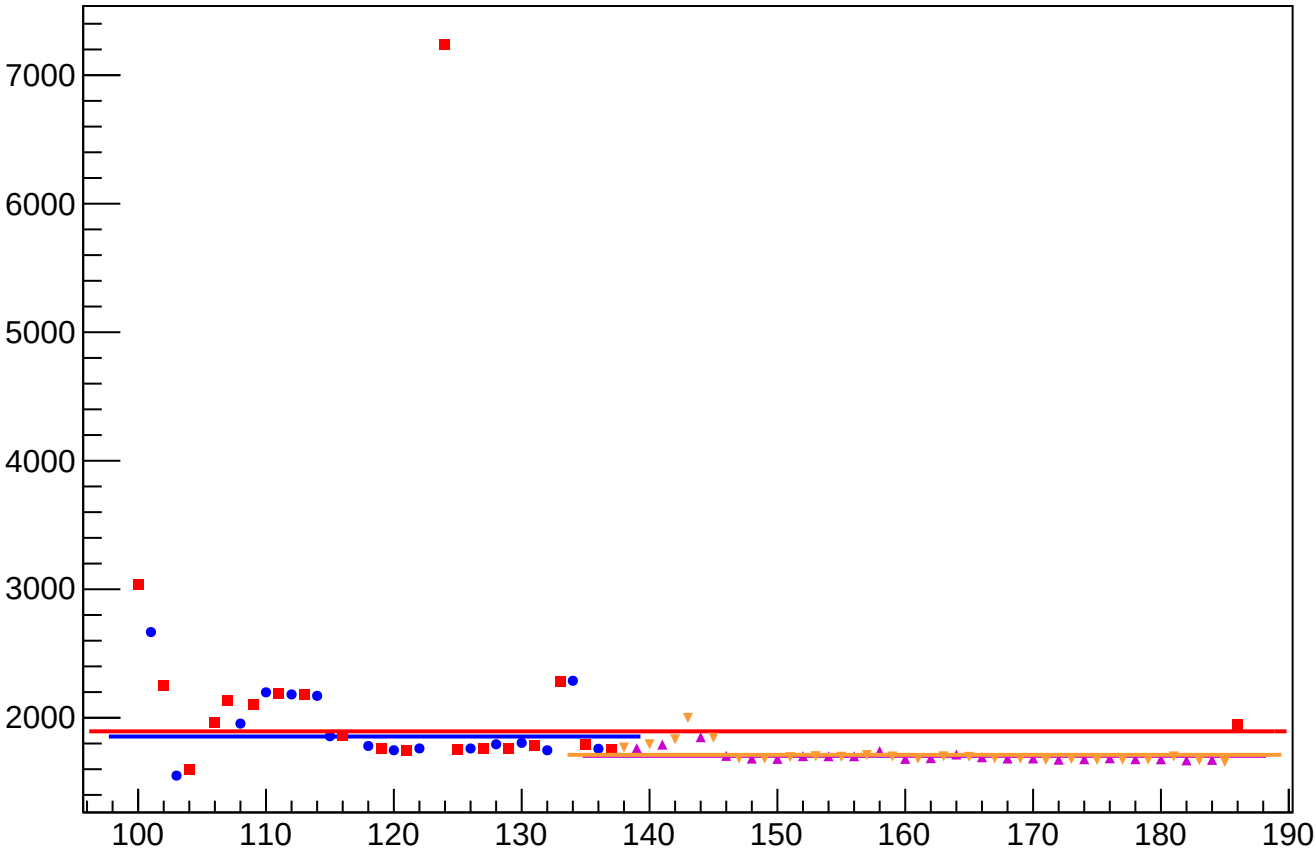
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2222.243+/-489.072 χ^2/NDF: 31.2/35

In: 2556.004+/-345.364 χ^2/NDF:30.3/38

Out: 1285.259+/-338.746 χ^2/NDF:43.3/44

All: 1908.340+/-241.836 χ^2/NDF: 80.5/83



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

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

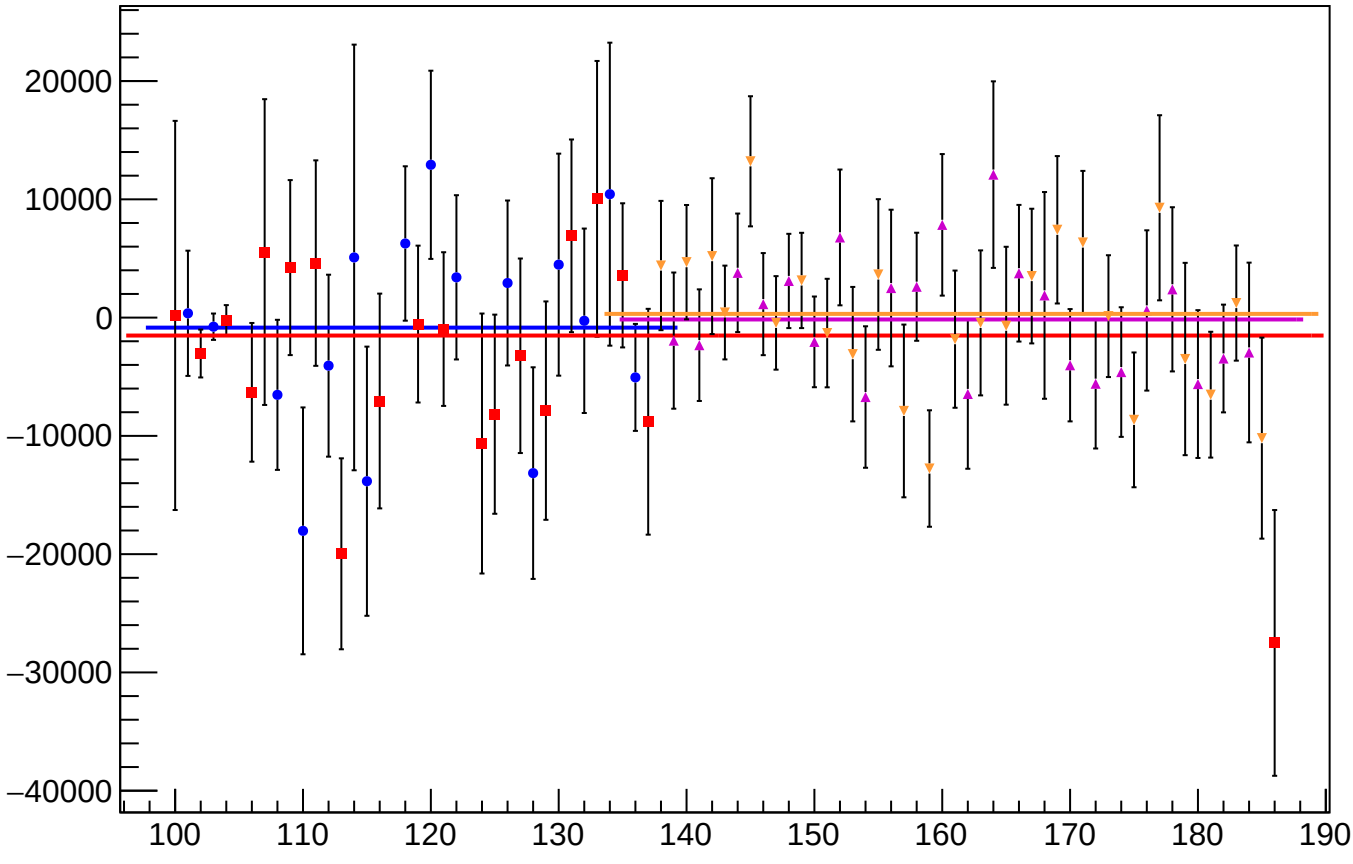
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1874.732+/-0.345 χ^2/NDF: 631614.2/35

In: 1741.088+/-0.244 χ^2/NDF:356363.1/38

Out: 1756.211+/-0.239 χ^2/NDF:532287.3/44

All: 1748.800+/-0.171 χ^2/NDF: 890605.9/83



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1516.477+/-944.804 χ^2/NDF: 19.8/19

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

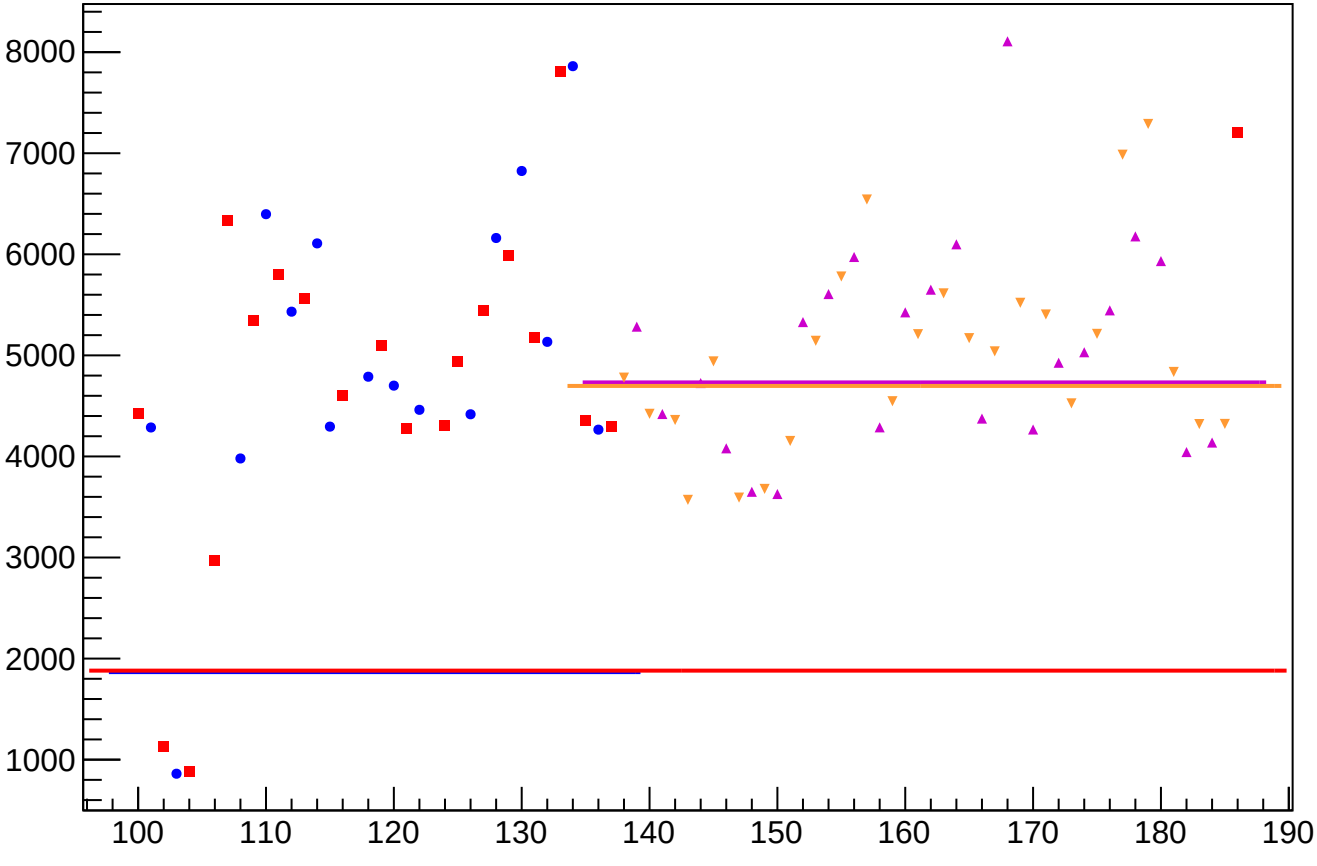
Right: -1188.324+/-674.373 χ^2/NDF: 33.9/35

In: -556.993+/-732.463 χ^2/NDF:28.8/38

Out: -732.780+/-714.488 χ^2/NDF:48.5/44

All: -647.070+/-511.456 χ^2/NDF: 77.3/83

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

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

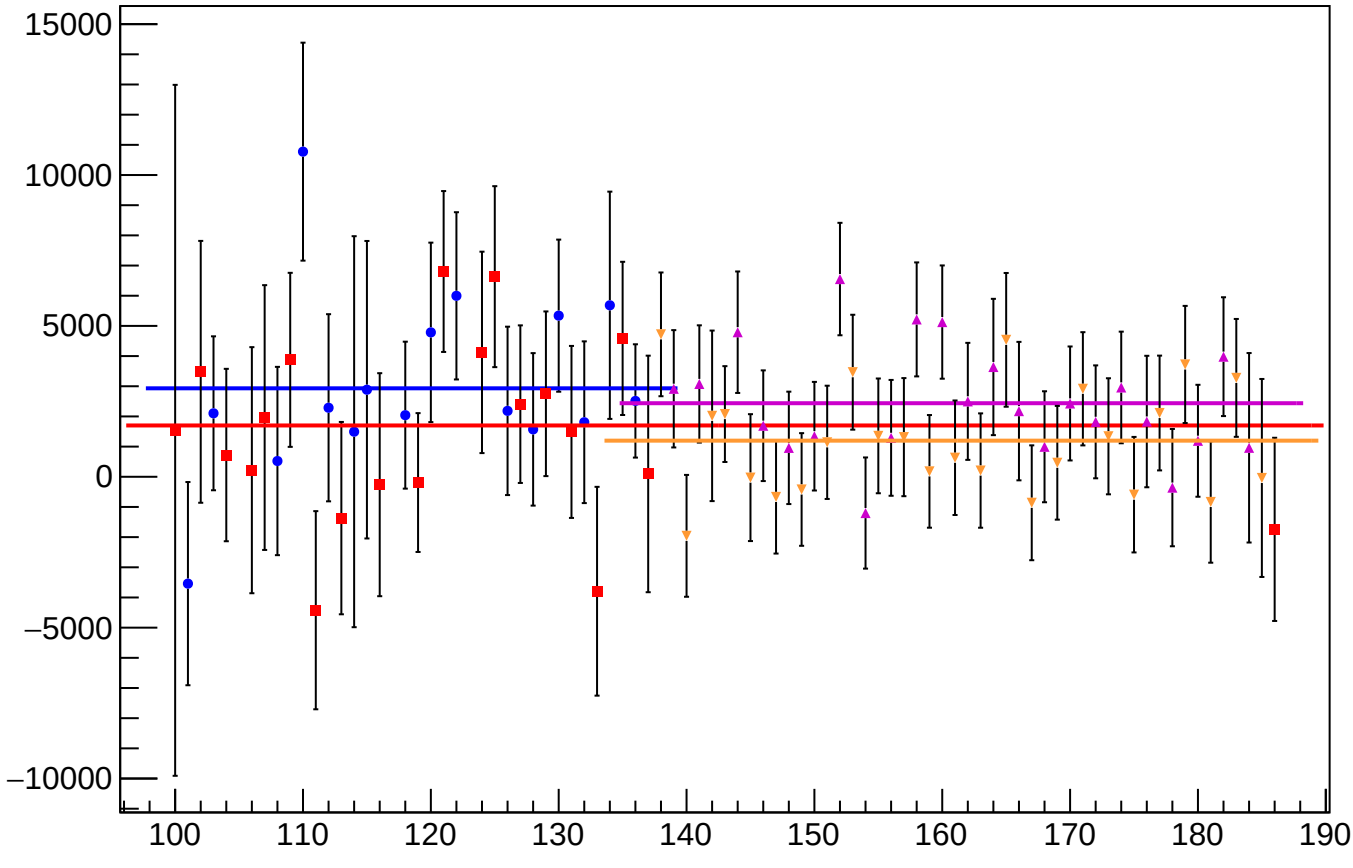
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1873.672+/-0.477 χ^2/NDF: 13761440.4/35

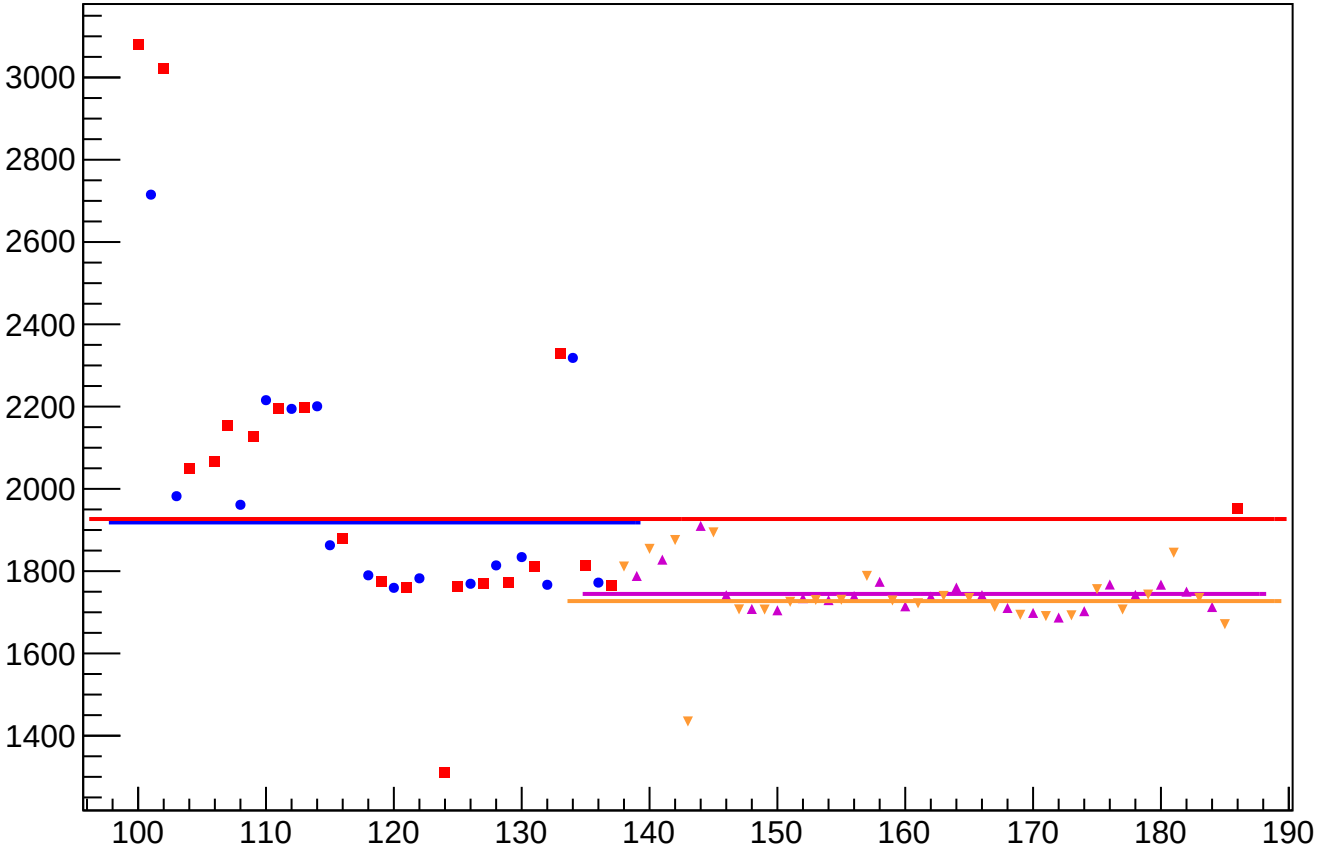
In: 3073.825+/-0.518 χ^2/NDF:15559306.8/38

Out: 3086.742+/-0.505 χ^2/NDF:15761198.7/44

All: 3080.444+/-0.362 χ^2/NDF: 31320824.3/8


dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 2931.691+/-718.305 χ²/NDF: 13.0/15
Left Out: 1197.362+/-392.981 χ²/NDF:19.5/24
Right Out: 1700.712+/-702.361 χ²/NDF: 18.7/19
Left In: 2438.062+/-407.551 χ²/NDF:20.6/22
Left: 1795.138+/-282.890 χ²/NDF: 44.9/47
Right: 2302.388+/-502.187 χ²/NDF: 33.2/35
In: 2558.272+/-354.470 χ²/NDF:33.9/38
Out: 1317.370+/-342.950 χ²/NDF:38.6/44
All: 1917.328+/-246.474 χ²/NDF: 78.9/83

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

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

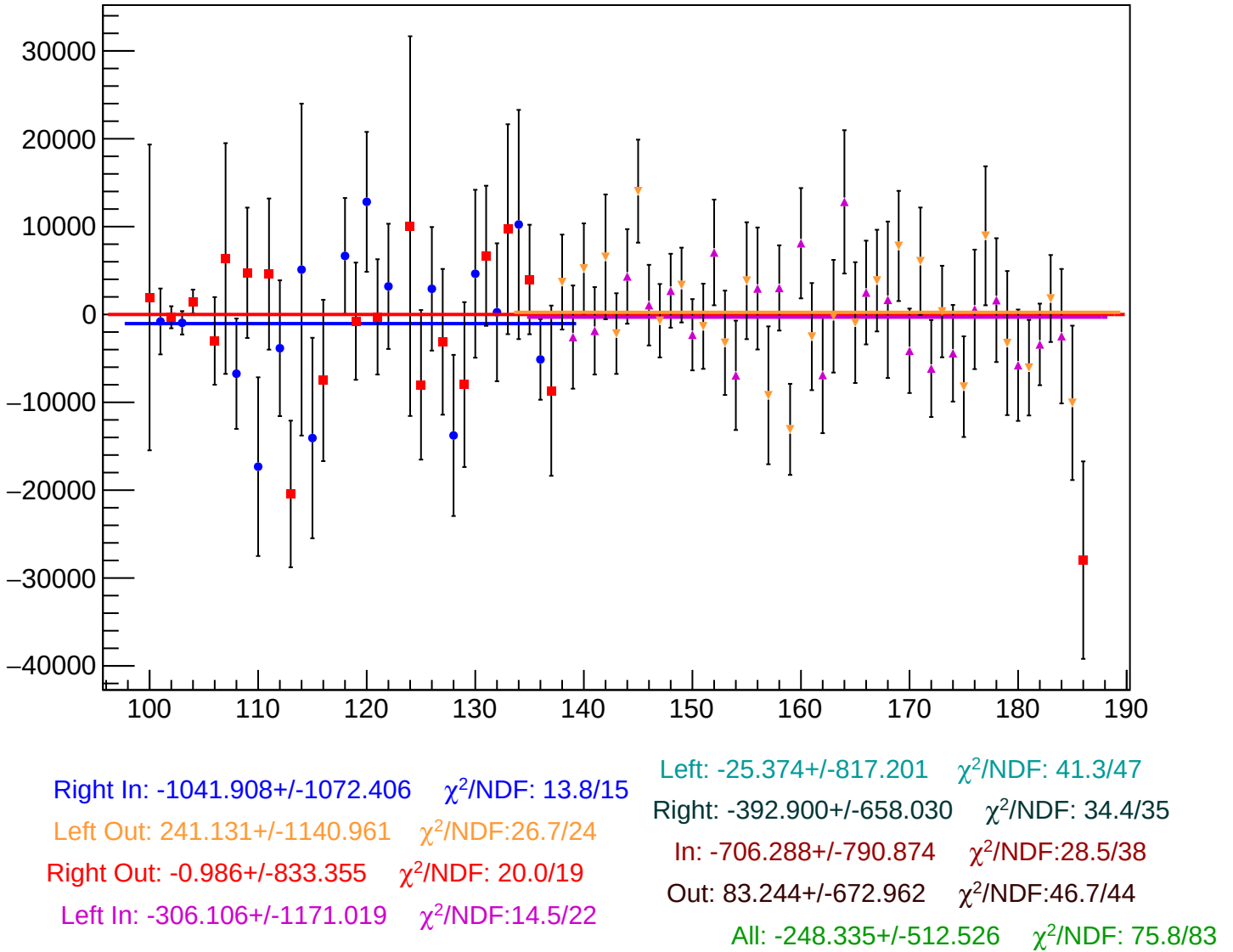
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

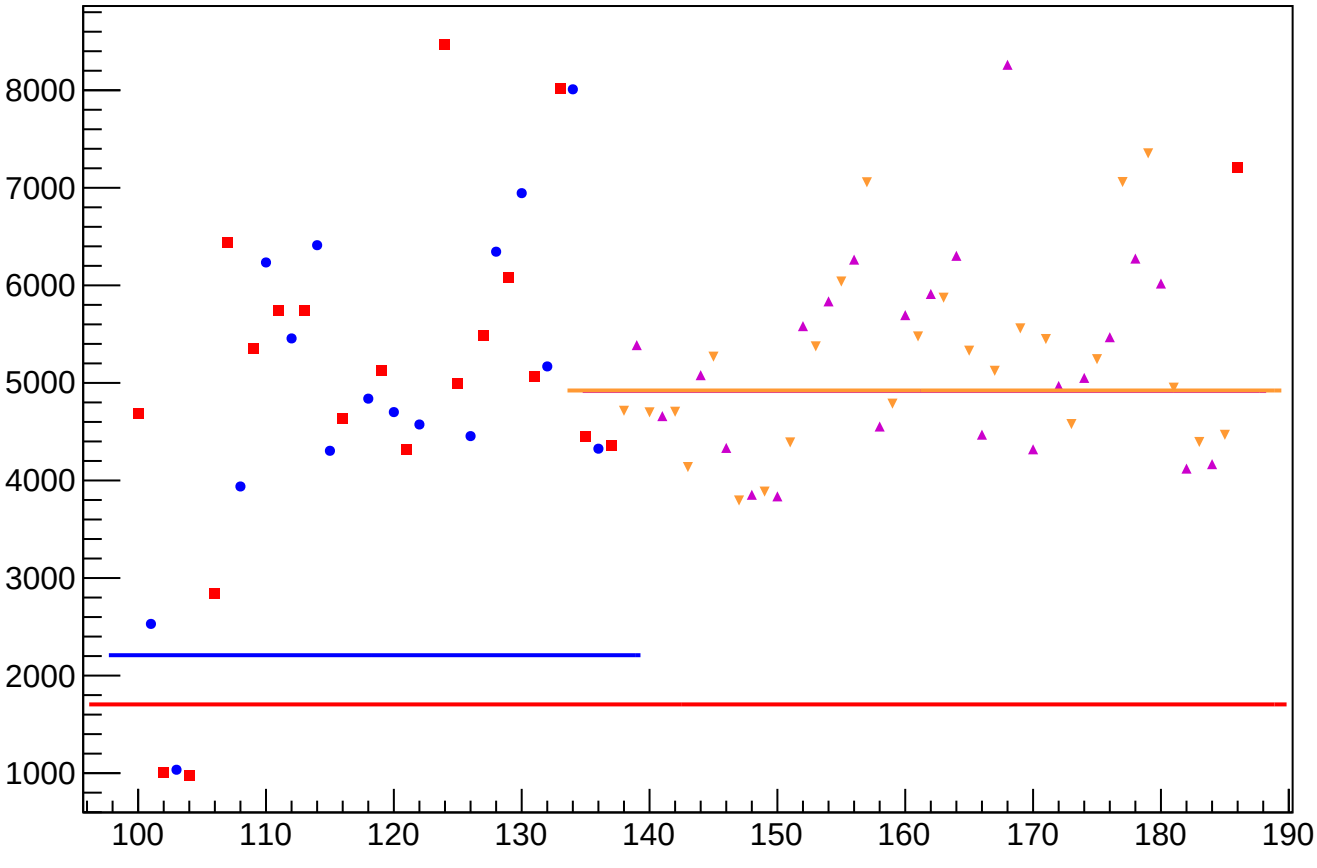
Right: 1922.643+/-0.355 χ^2/NDF: 554980.7/35

In: 1786.941+/-0.251 χ^2/NDF:330898.1/38

Out: 1774.853+/-0.242 χ^2/NDF:572541.1/44

All: 1780.696+/-0.174 χ^2/NDF: 904640.8/83


asym_atl1r2_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: -1041.908+/-1072.406 χ²/NDF: 13.8/15
Left Out: 241.131+/-1140.961 χ²/NDF:26.7/24
Right Out: -0.986+/-833.355 χ²/NDF: 20.0/19
Left In: -306.106+/-1171.019 χ²/NDF:14.5/22
Left: -25.374+/-817.201 χ²/NDF: 41.3/47
Right: -392.900+/-658.030 χ²/NDF: 34.4/35
In: -706.288+/-790.874 χ²/NDF:28.5/38
Out: 83.244+/-672.962 χ²/NDF:46.7/44
All: -248.335+/-512.526 χ²/NDF: 75.8/83



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

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

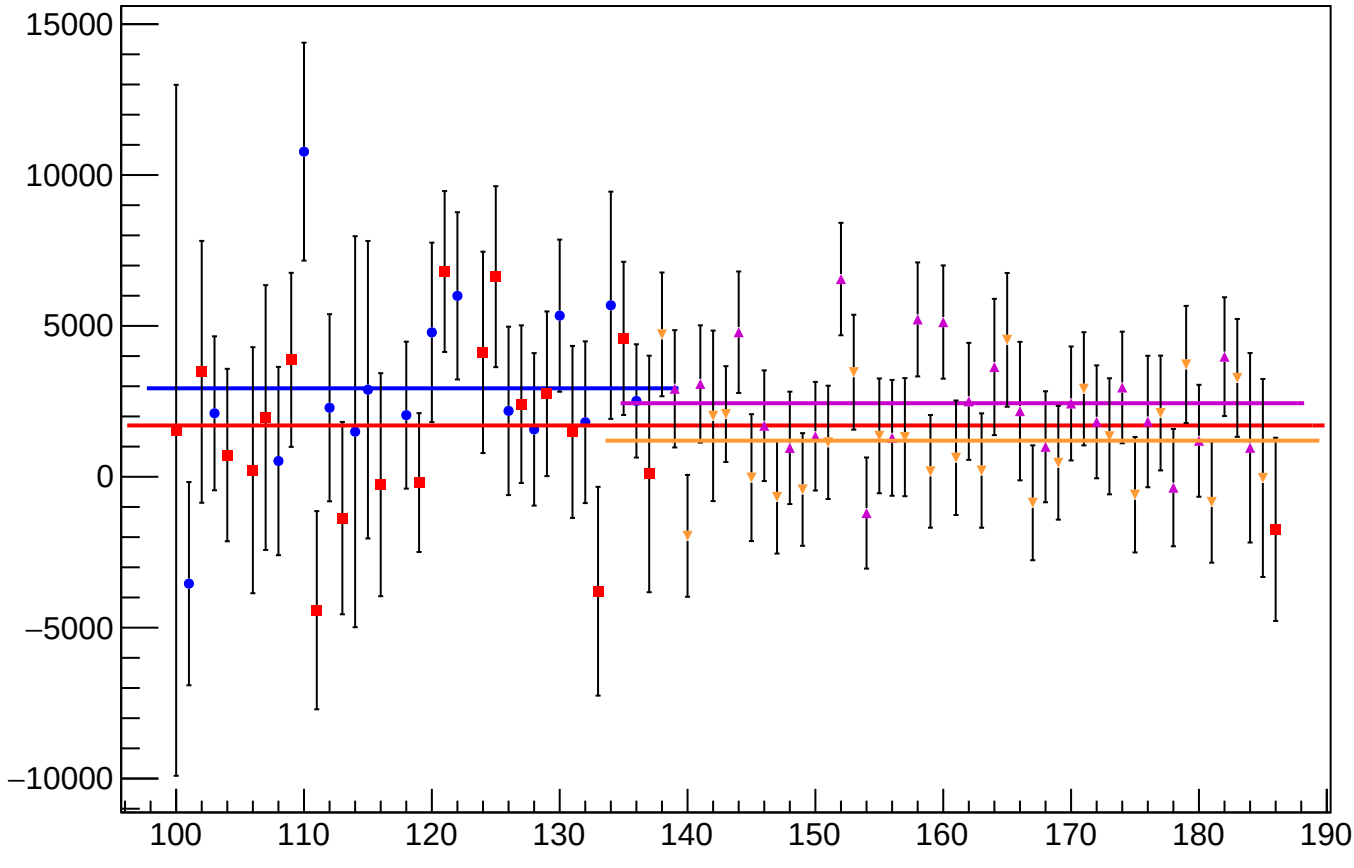
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1894.464+/-0.465 χ^2/NDF: 13109880.8/35

In: 3444.132+/-0.559 χ^2/NDF:12477836.4/38

Out: 2824.016+/-0.476 χ^2/NDF:18759070.8/44

All: 3084.445+/-0.362 χ^2/NDF: 31950108.2/8



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

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

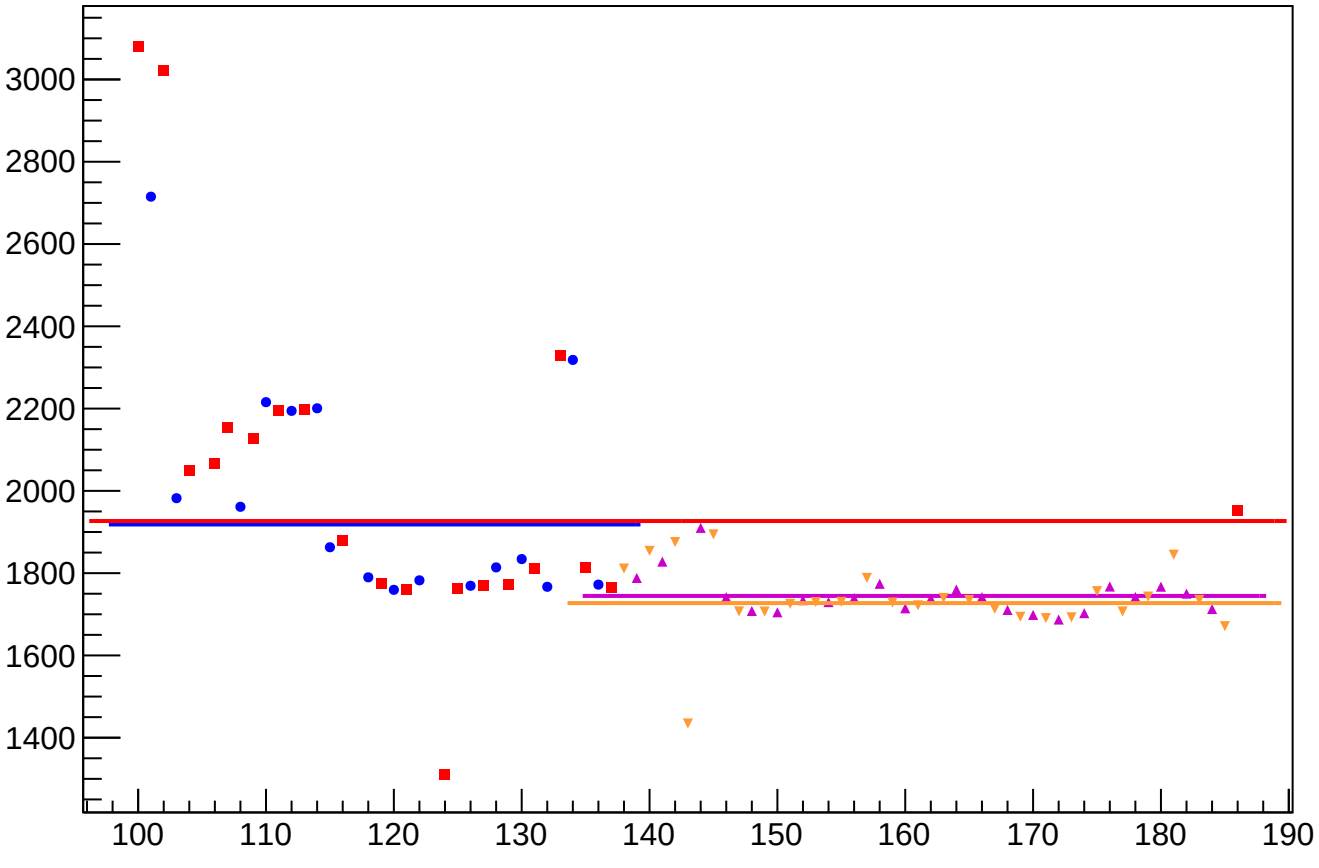
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2302.394+/-502.186 χ^2/NDF: 33.2/35

In: 2558.273+/-354.471 χ^2/NDF:33.9/38

Out: 1317.368+/-342.950 χ^2/NDF:38.6/44

All: 1917.327+/-246.474 χ^2/NDF: 78.9/83



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

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

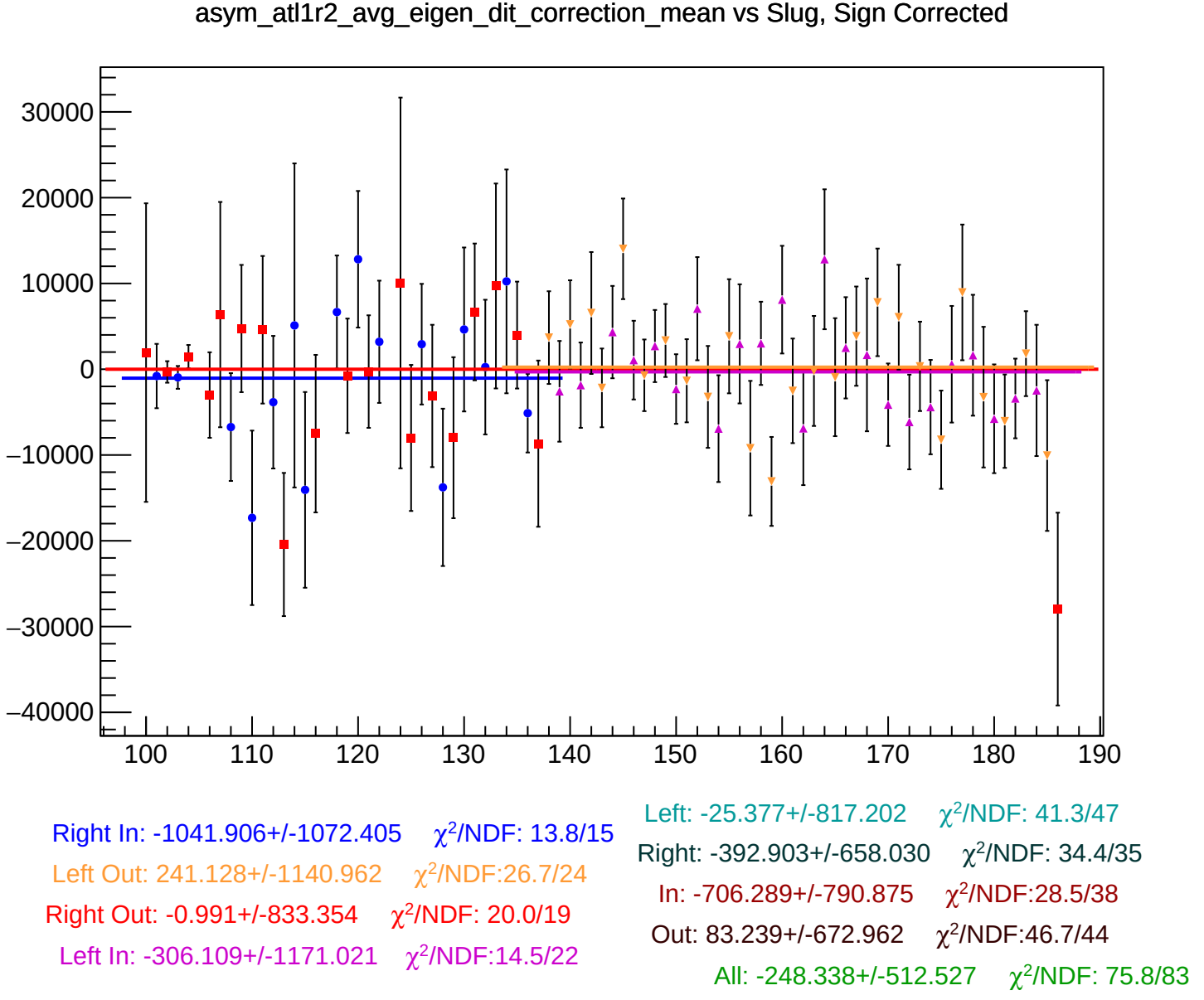
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

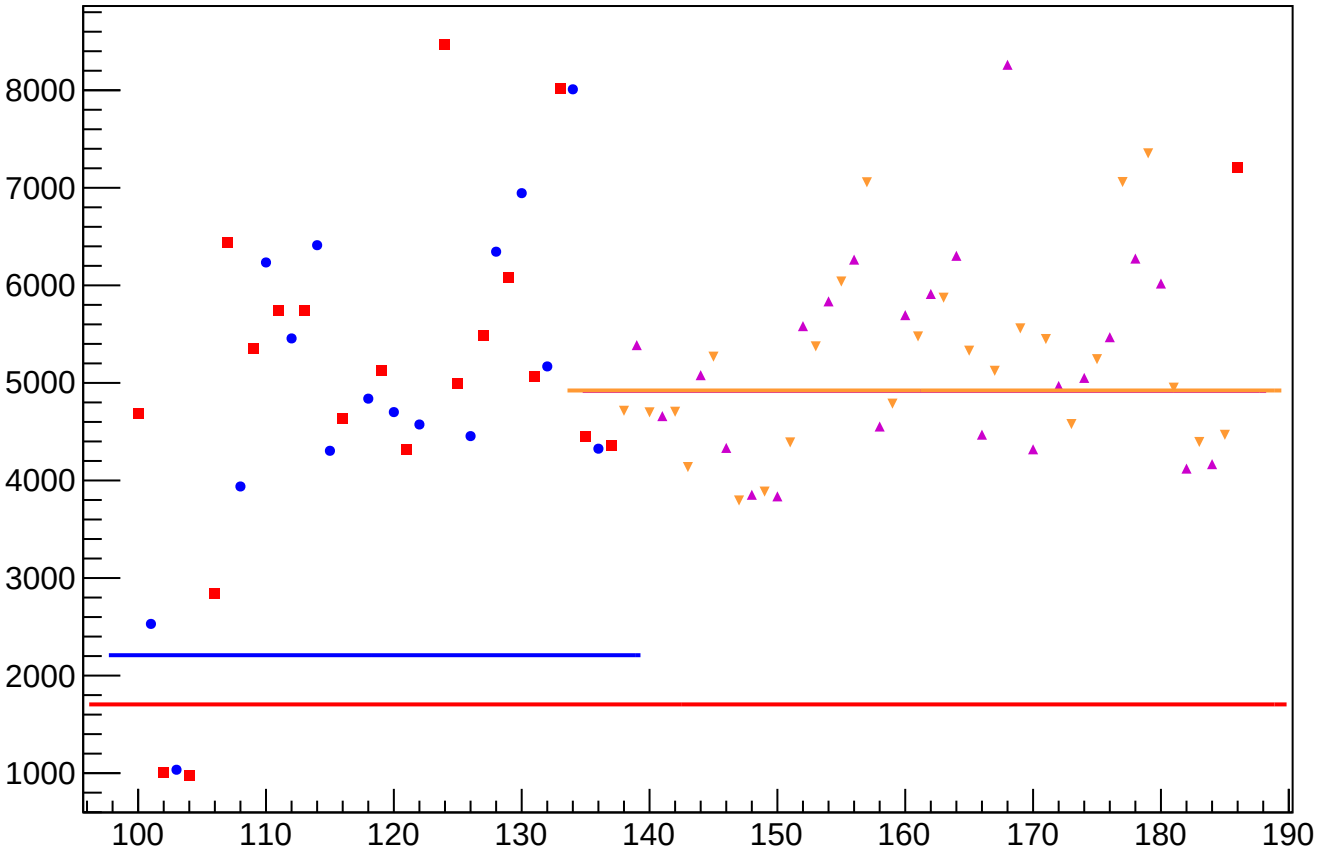
Right: 1922.642+/-0.355 χ^2/NDF: 554979.8/35

In: 1786.942+/-0.251 χ^2/NDF:330896.8/38

Out: 1774.854+/-0.242 χ^2/NDF:572537.5/44

All: 1780.697+/-0.174 χ^2/NDF: 904635.9/83


asym_atl1r2_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: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: -0.991+/-833.354 χ²/NDF: 20.0/19
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: -392.903+/-658.030 χ²/NDF: 34.4/35
In: -706.289+/-790.875 χ²/NDF:28.5/38
Out: 83.239+/-672.962 χ²/NDF:46.7/44
All: -248.338+/-512.527 χ²/NDF: 75.8/83



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

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

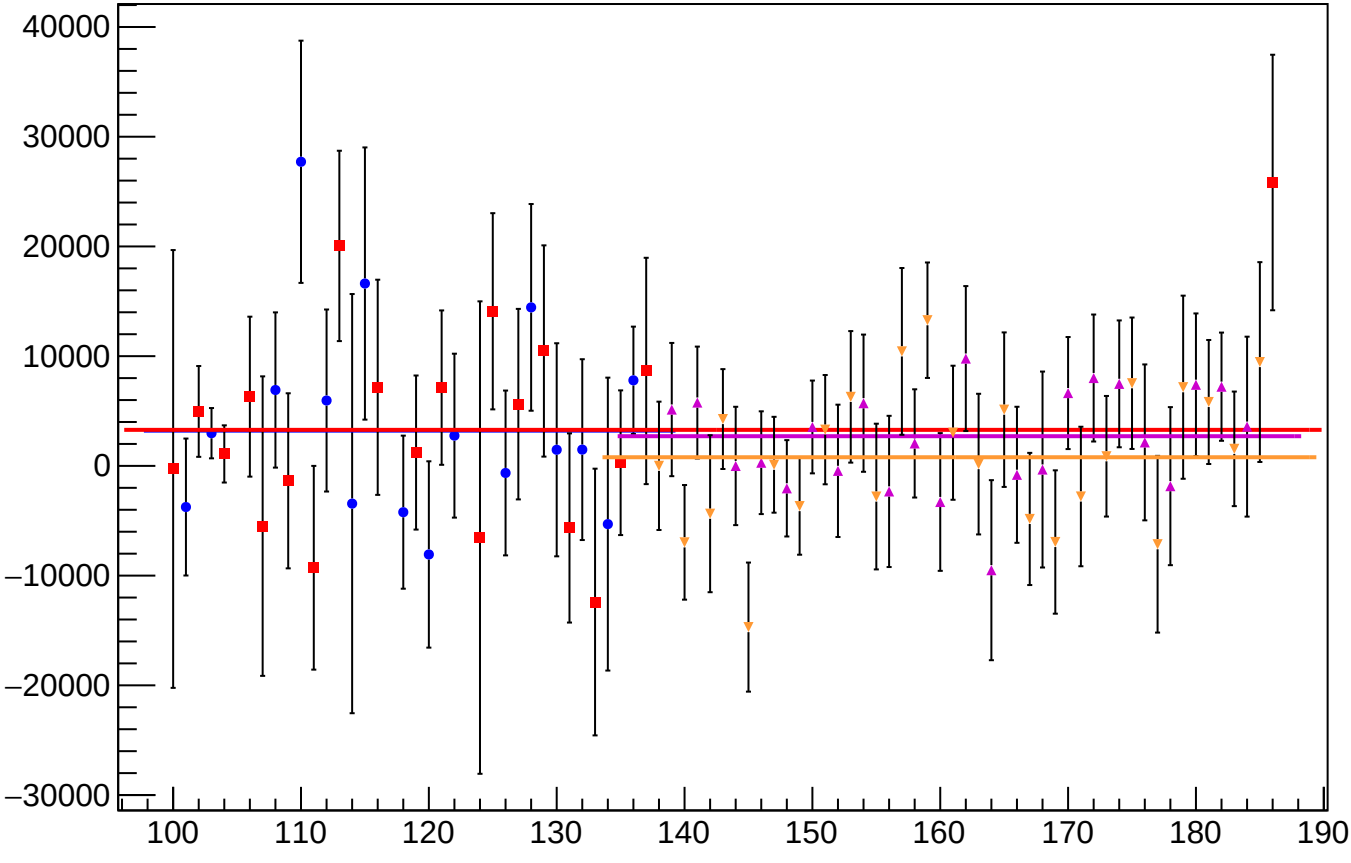
Right: 1894.464+/-0.465 χ^2/NDF: 13109864.7/35

In: 3444.132+/-0.559 χ^2/NDF:12477862.7/38

Out: 2824.015+/-0.476 χ^2/NDF:18759099.1/44

All: 3084.445+/-0.362 χ^2/NDF: 31950163.8/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

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

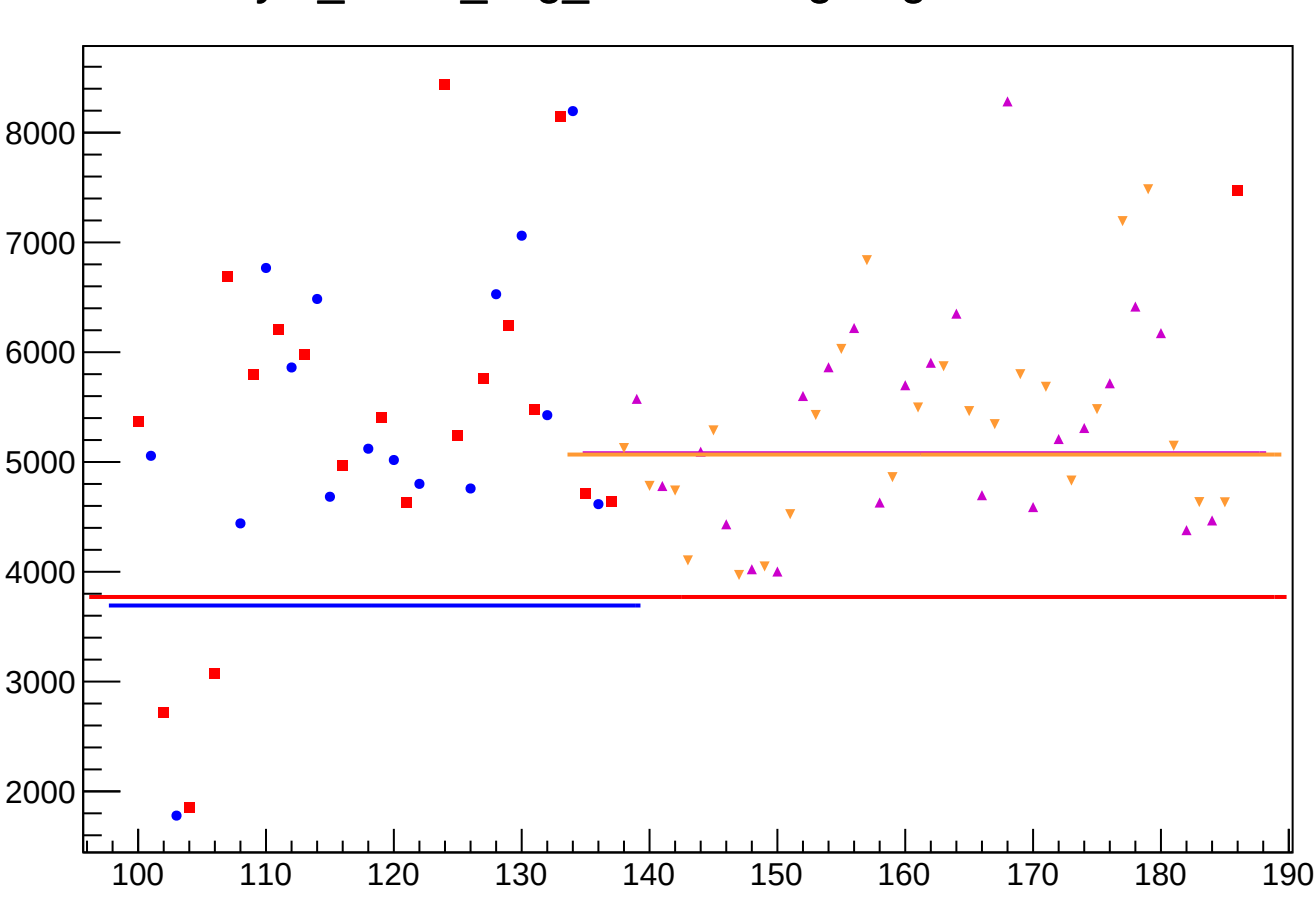
Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

Right: 3249.835+/-1088.158 χ^2/NDF: 31.0/35

In: 2899.638+/-949.461 χ^2/NDF:25.8/38

Out: 1704.475+/-932.286 χ^2/NDF:46.4/44

All: 2291.149+/-665.215 χ^2/NDF: 73.0/83



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

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

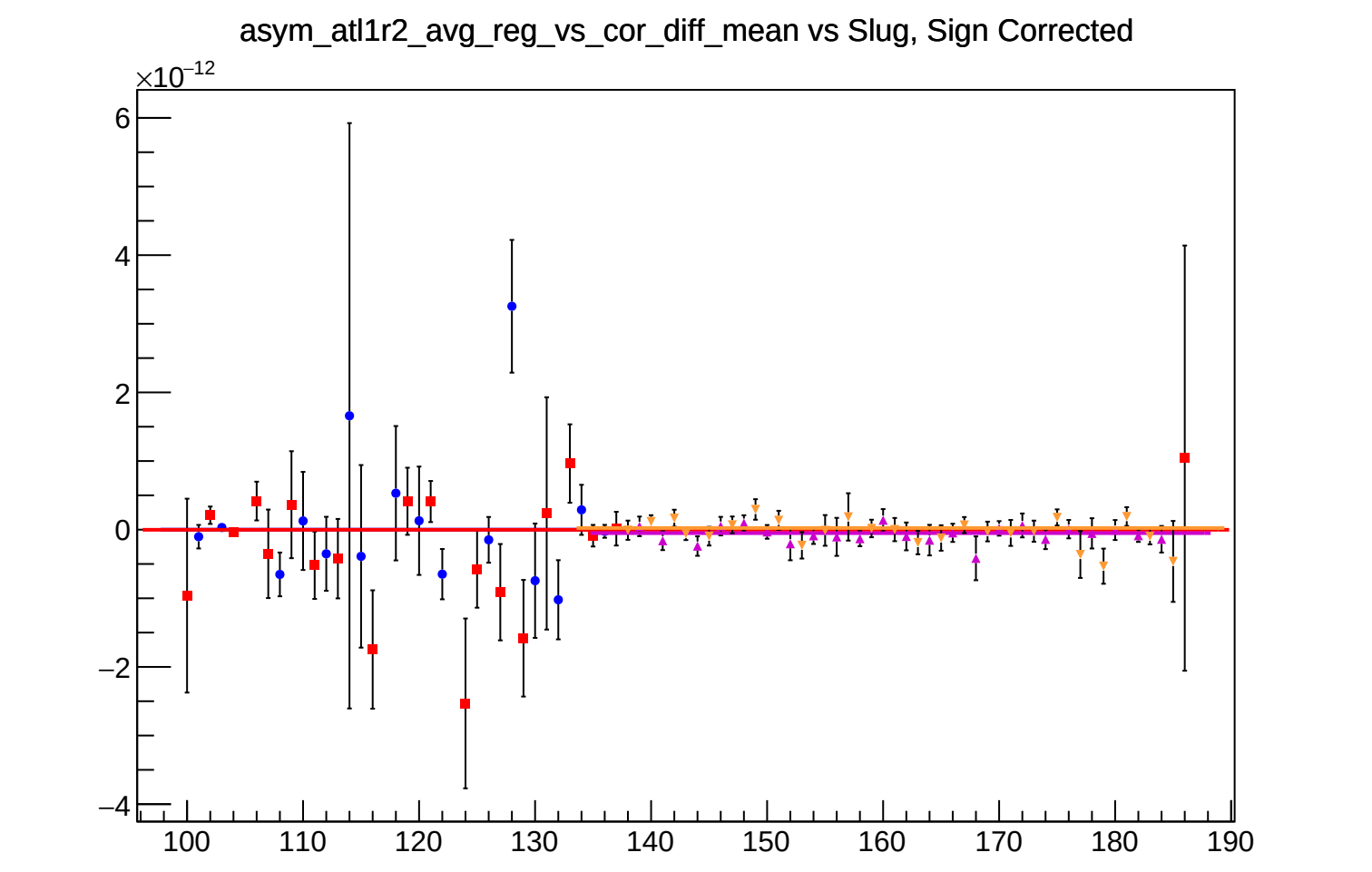
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 3732.086+/-0.766 χ^2/NDF: 5778461.3/35

In: 4552.031+/-0.671 χ^2/NDF:4892793.0/38

Out: 4585.560+/-0.657 χ^2/NDF:4755667.1/44

All: 4569.162+/-0.470 χ^2/NDF: 9649734.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/19

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

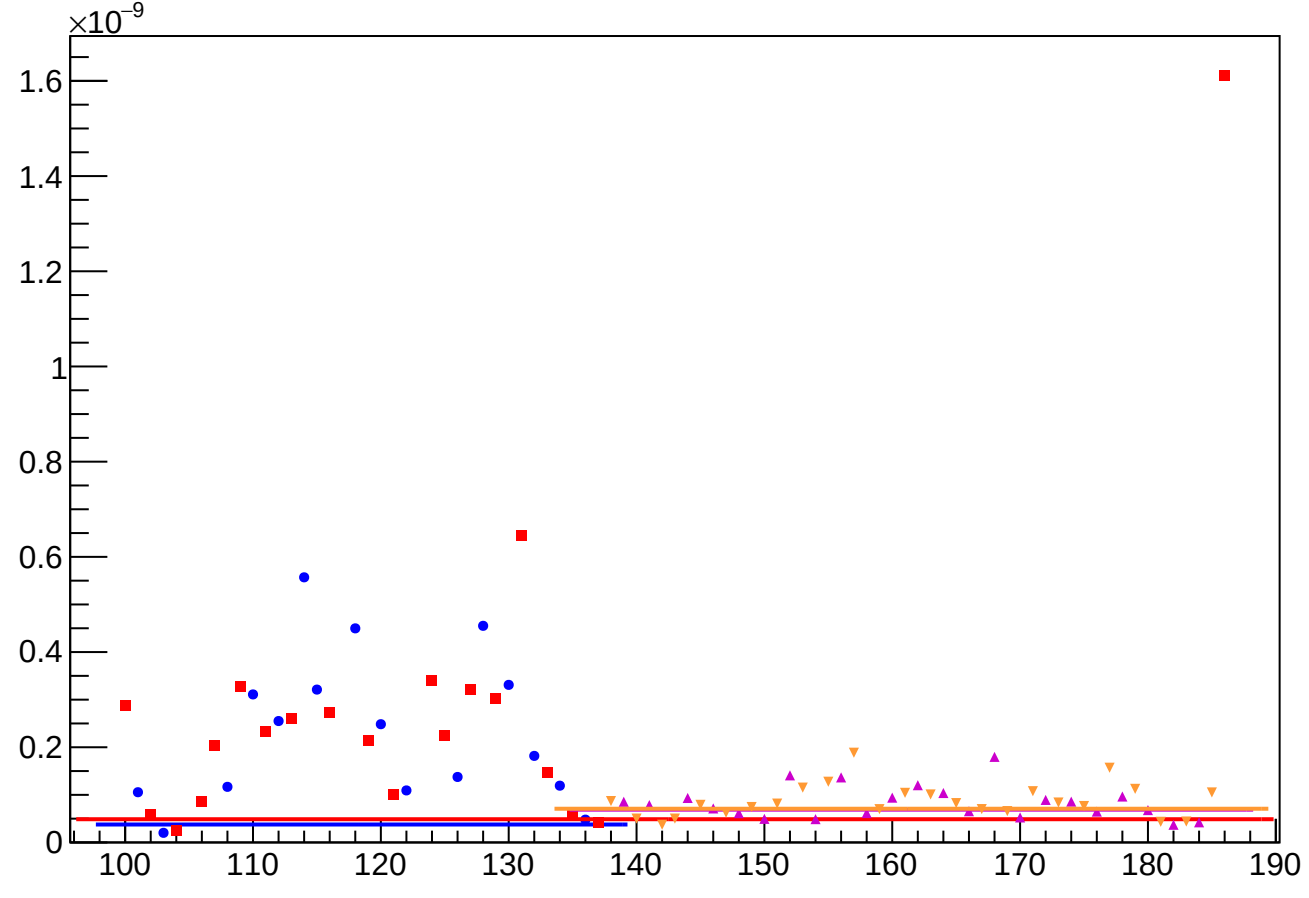
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.7/35

In: -0.000+/-0.000 χ^2/NDF:37.6/38

Out: 0.000+/-0.000 χ^2/NDF:52.2/44

All: -0.000+/-0.000 χ^2/NDF: 91.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

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

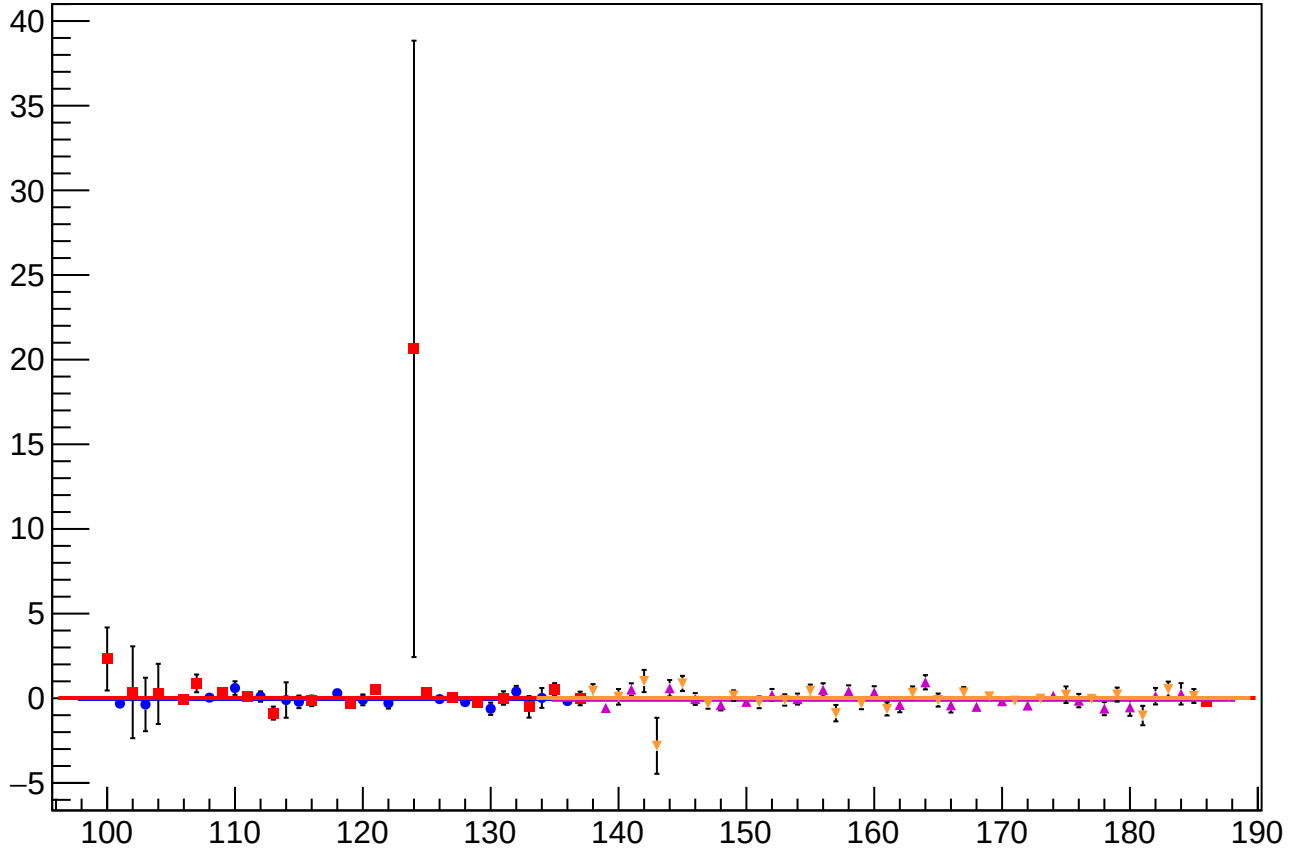
Right: 0.000+/-0.000 χ^2/NDF: 6619724.0/35

In: 0.000+/-0.000 χ^2/NDF:5462096.7/38

Out: 0.000+/-0.000 χ^2/NDF:5235108.1/44

All: 0.000+/-0.000 χ^2/NDF: 10807988.3/83

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-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

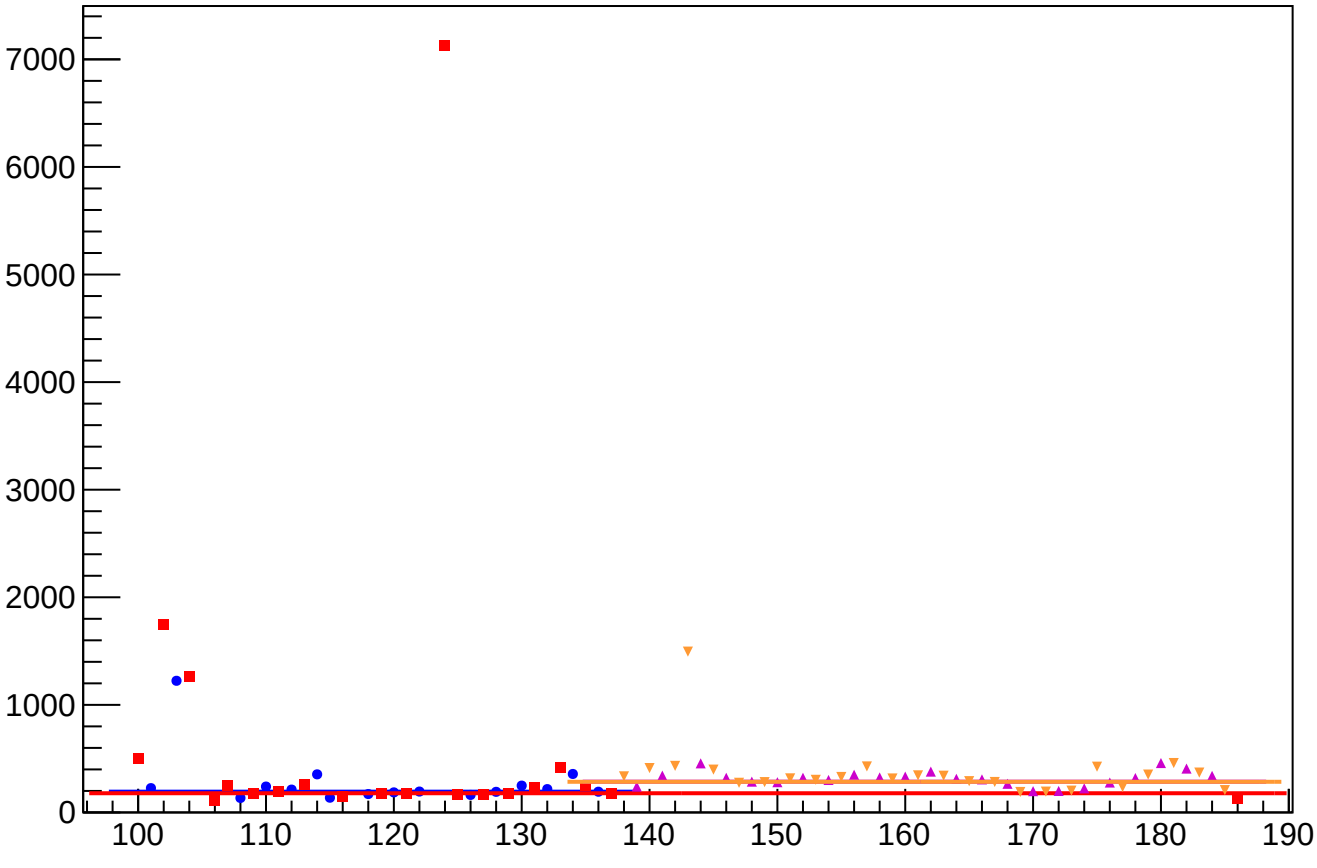
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: -0.010+/-0.053 χ^2/NDF: 36.3/35

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.025+/-0.036 χ^2/NDF: 96.8/83



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

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

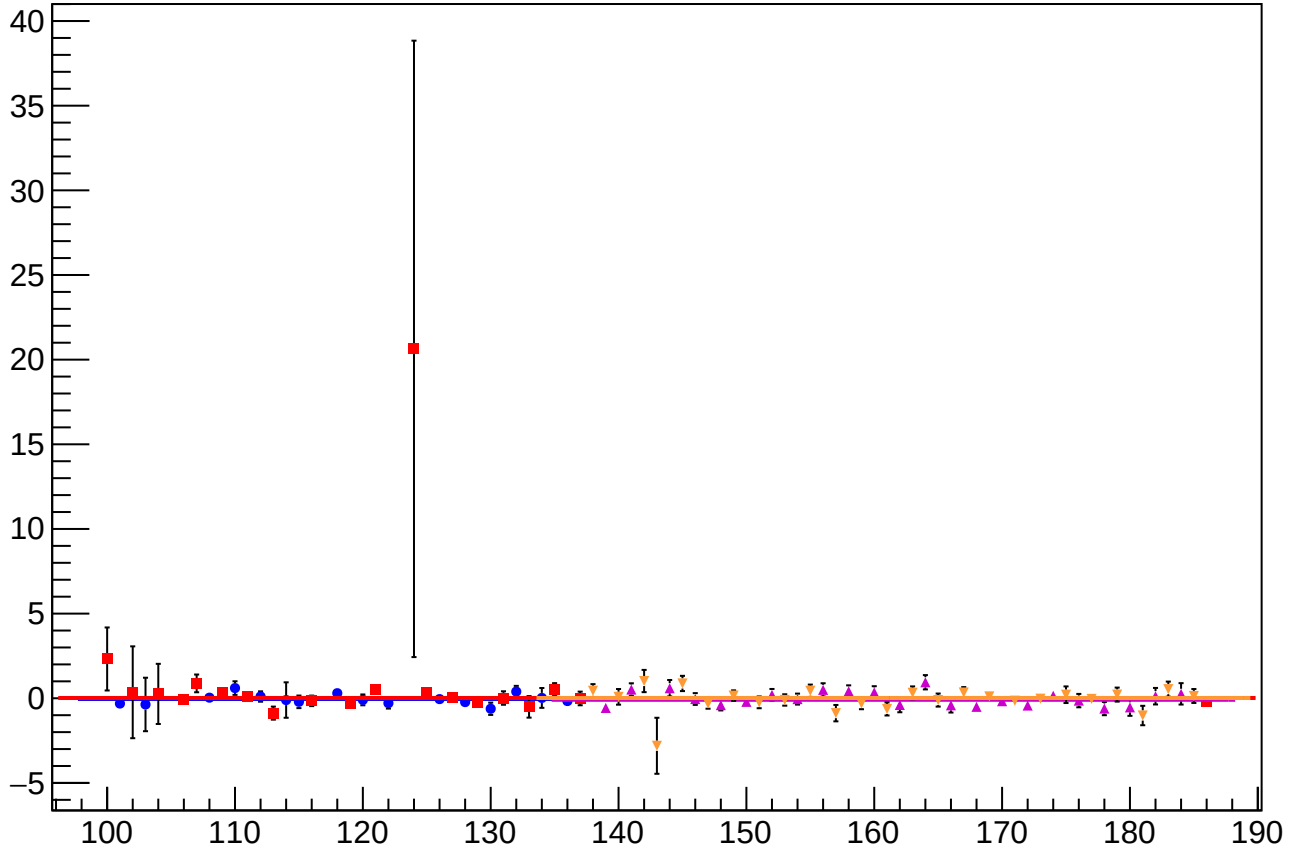
Right: 185.517+/-0.038 χ^2/NDF: 4077728.6/35

In: 244.134+/-0.037 χ^2/NDF:4712216.2/38

Out: 234.604+/-0.036 χ^2/NDF:8241204.8/44

All: 239.226+/-0.026 χ^2/NDF: 12987755.1/83

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-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

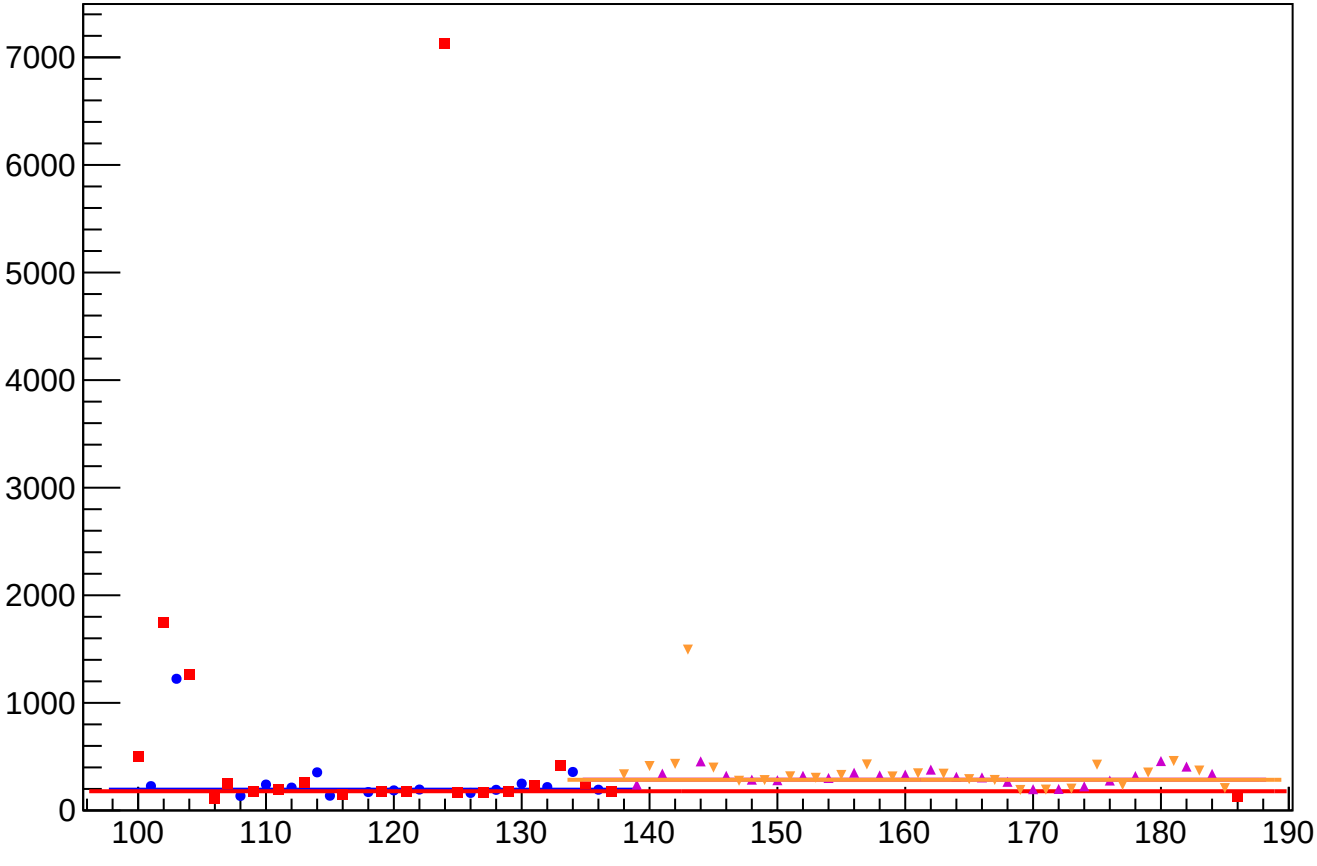
Right: -0.010+/-0.053 χ^2/NDF: 36.3/35

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.025+/-0.036 χ^2/NDF: 96.8/83

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 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

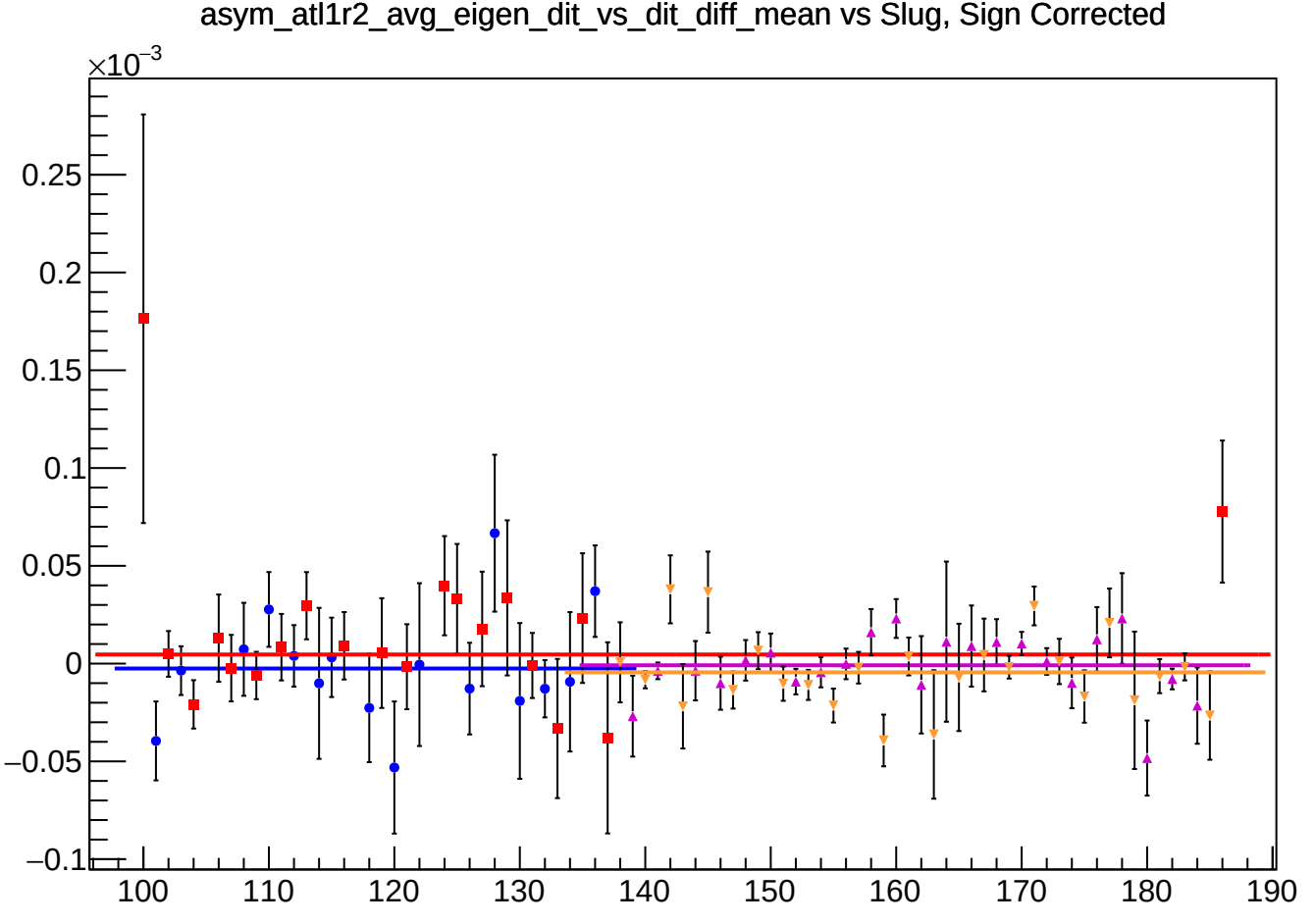
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

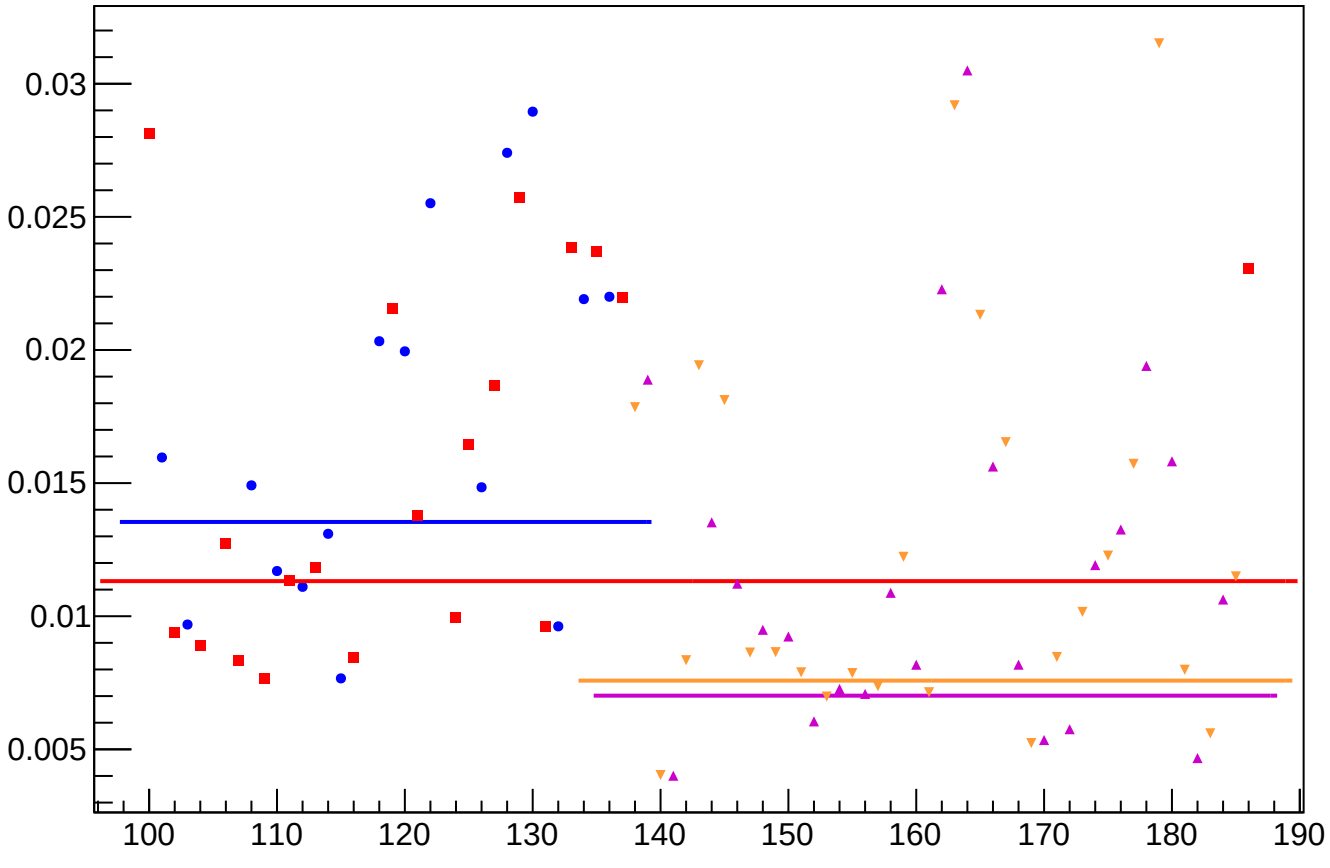
Right: 185.517+/-0.038 χ^2/NDF: 4077728.6/35

In: 244.134+/-0.037 χ^2/NDF:4712216.2/38

Out: 234.604+/-0.036 χ^2/NDF:8241204.8/44

All: 239.226+/-0.026 χ^2/NDF: 12987755.1/83


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.8/15
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.4/19
Left In: -0.000+/-0.000 χ²/NDF:29.0/22
Left: -0.000+/-0.000 χ²/NDF: 74.6/47
Right: 0.000+/-0.000 χ²/NDF: 37.3/35
In: -0.000+/-0.000 χ²/NDF:44.9/38
Out: -0.000+/-0.000 χ²/NDF:67.8/44
All: -0.000+/-0.000 χ²/NDF: 113.3/83



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2100349.0/19

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

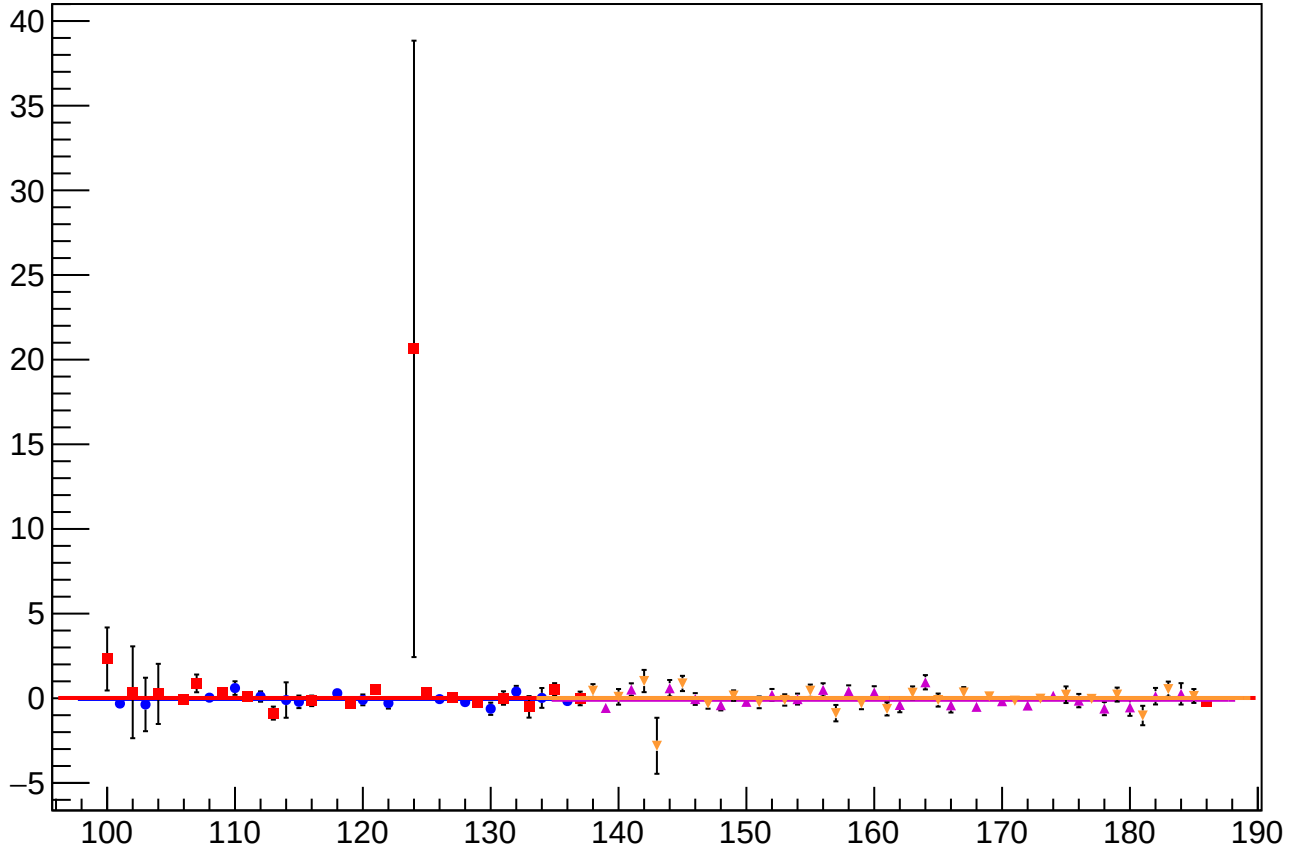
Right: 0.012+/-0.000 χ^2/NDF: 4178176.8/35

In: 0.008+/-0.000 χ^2/NDF:11169741.4/38

Out: 0.008+/-0.000 χ^2/NDF:10639382.4/44

All: 0.008+/-0.000 χ^2/NDF: 21877684.7/83

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-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

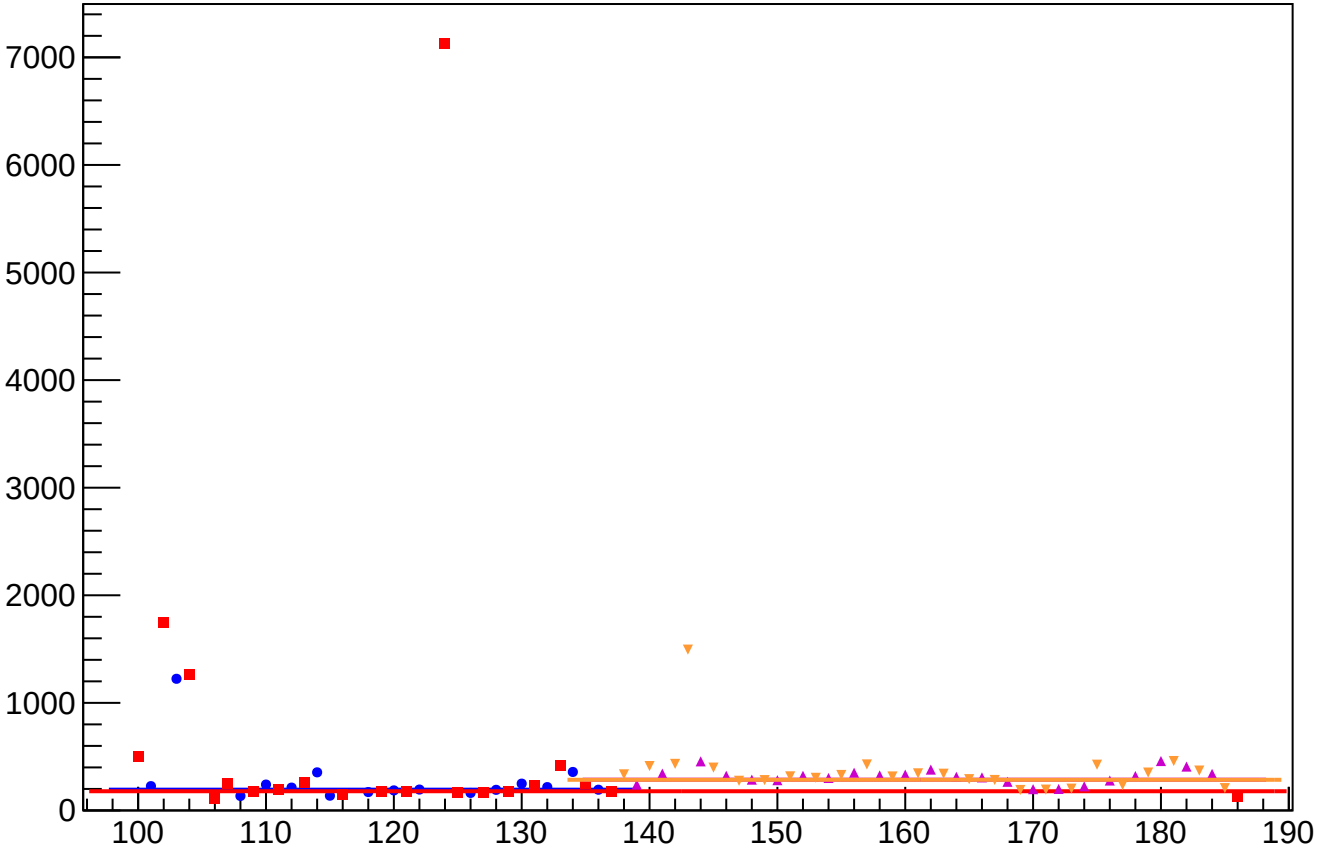
Right: -0.010+/-0.053 χ^2/NDF: 36.3/35

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.025+/-0.036 χ^2/NDF: 96.8/83

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 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

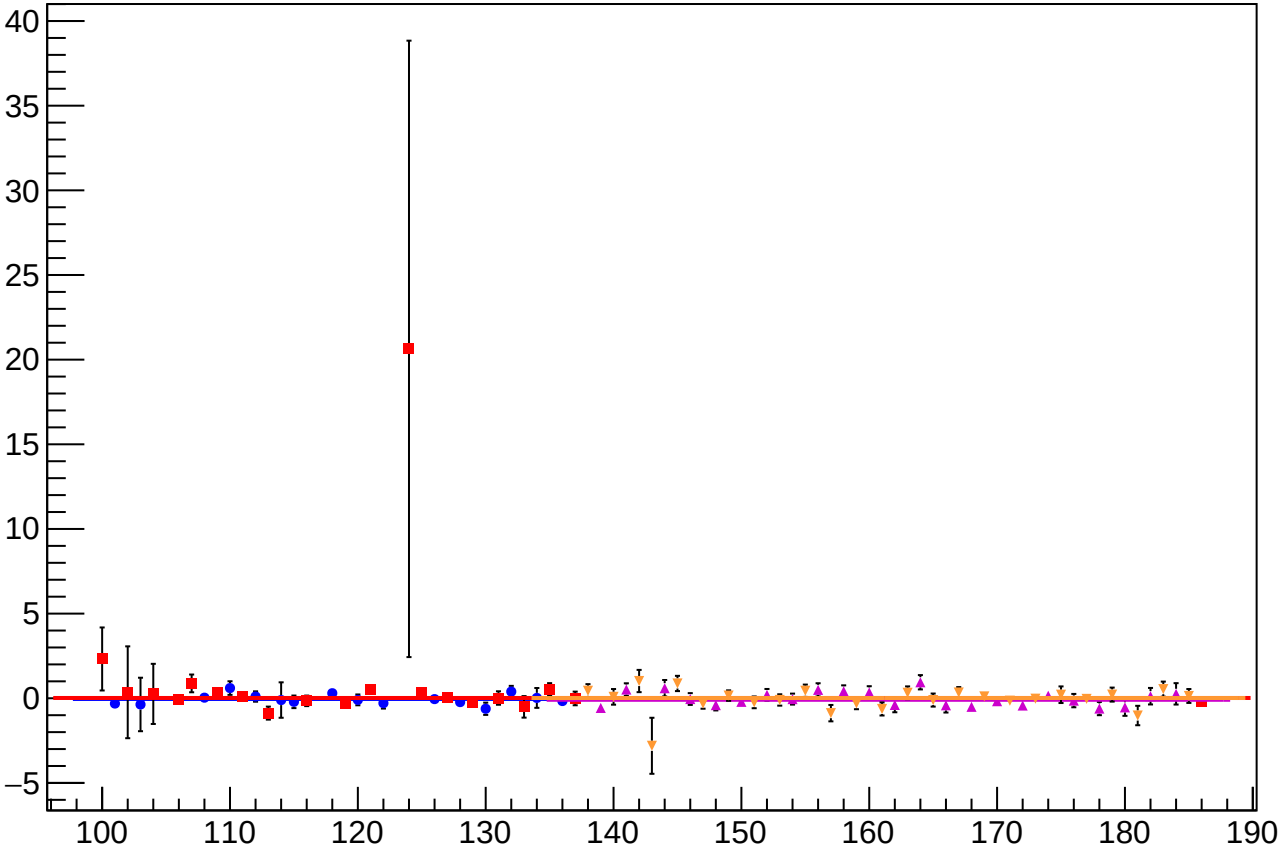
Right: 185.516+/-0.038 χ^2/NDF: 4077710.4/35

In: 244.134+/-0.037 χ^2/NDF:4712383.2/38

Out: 234.605+/-0.036 χ^2/NDF:8241373.4/44

All: 239.226+/-0.026 χ^2/NDF: 12988088.9/83

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.014+/-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

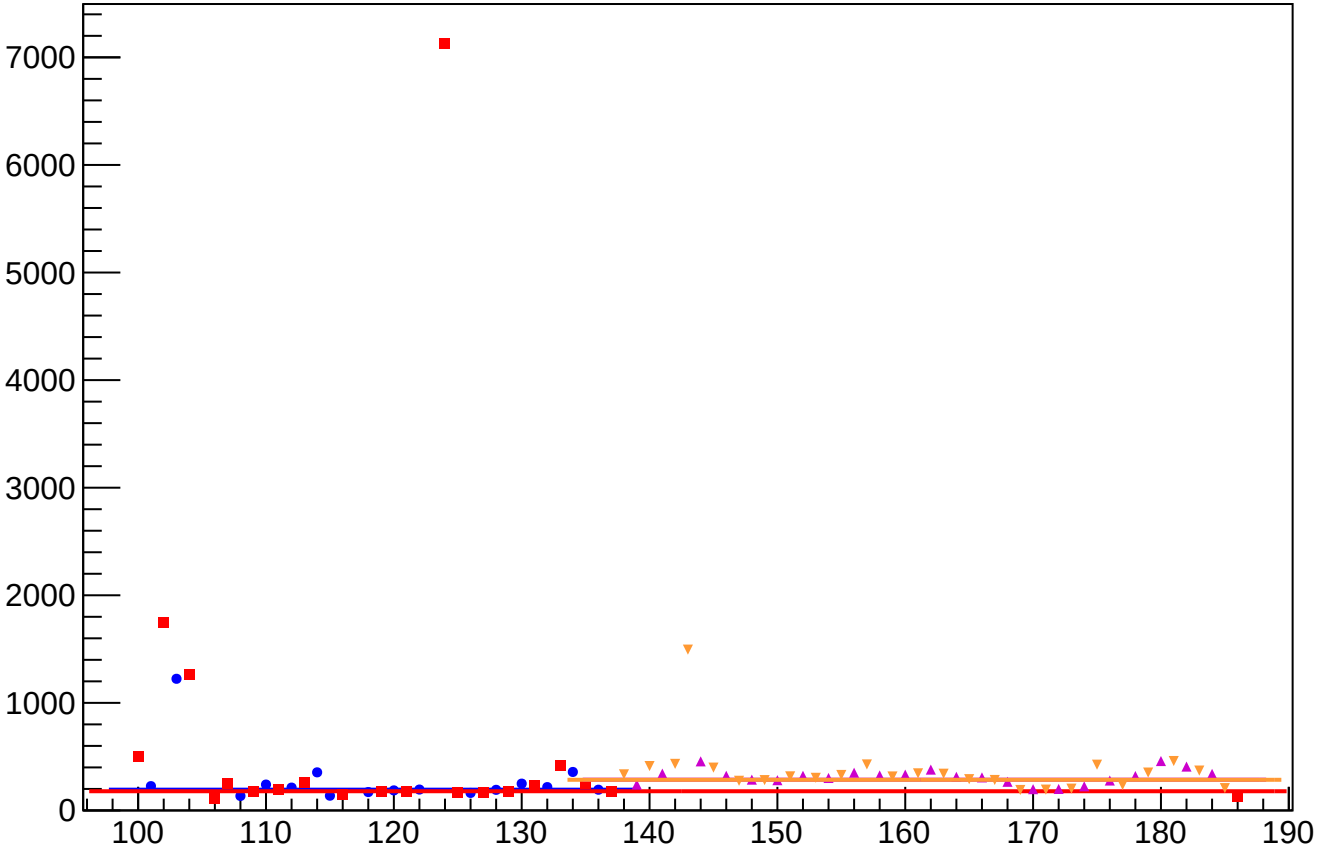
Right: -0.010+/-0.053 χ^2/NDF: 36.3/35

In: -0.068+/-0.052 χ^2/NDF:42.9/38

Out: 0.016+/-0.051 χ^2/NDF:52.6/44

All: -0.025+/-0.036 χ^2/NDF: 96.8/83

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 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

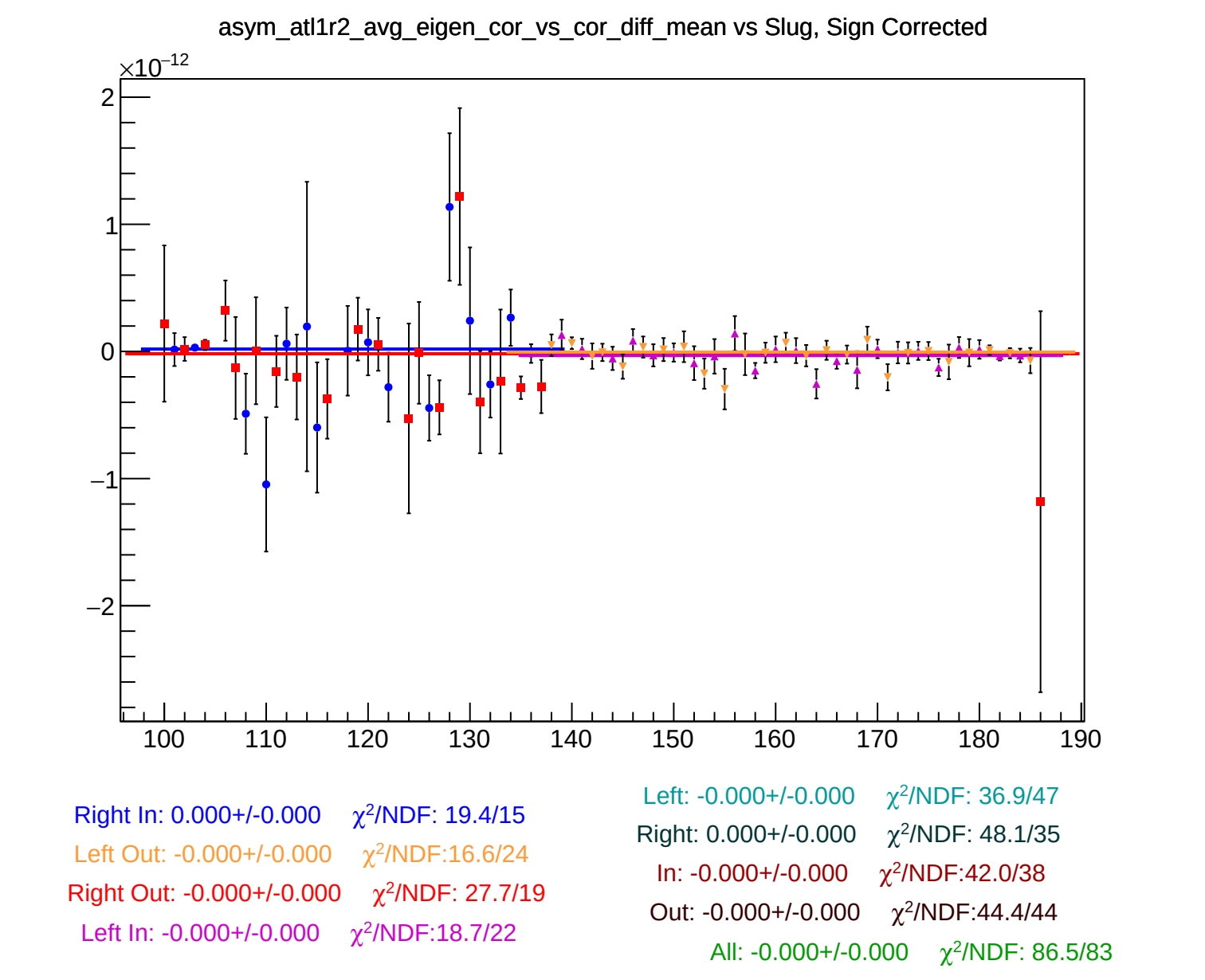
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

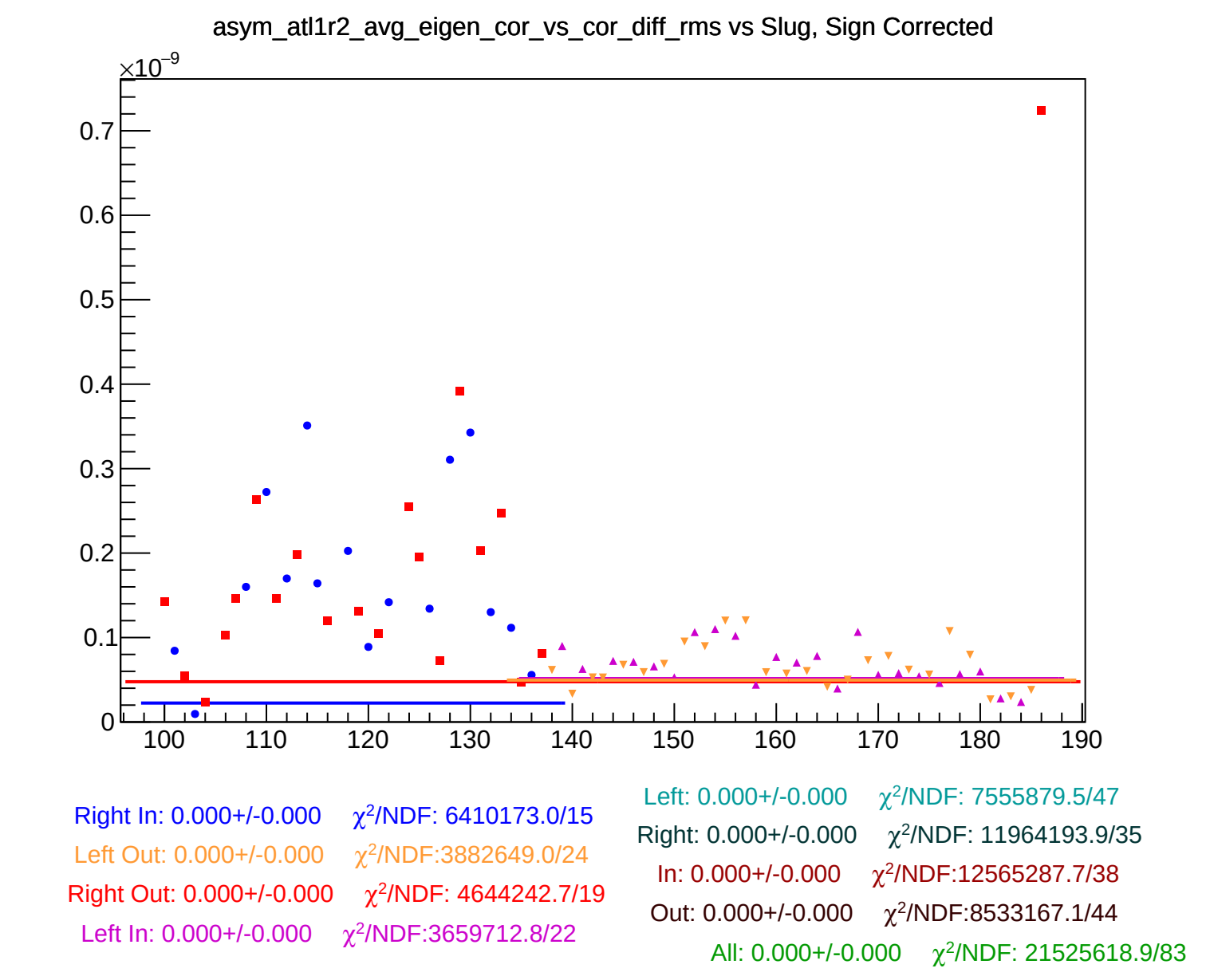
Right: 185.516+/-0.038 χ^2/NDF: 4077710.4/35

In: 244.134+/-0.037 χ^2/NDF:4712383.2/38

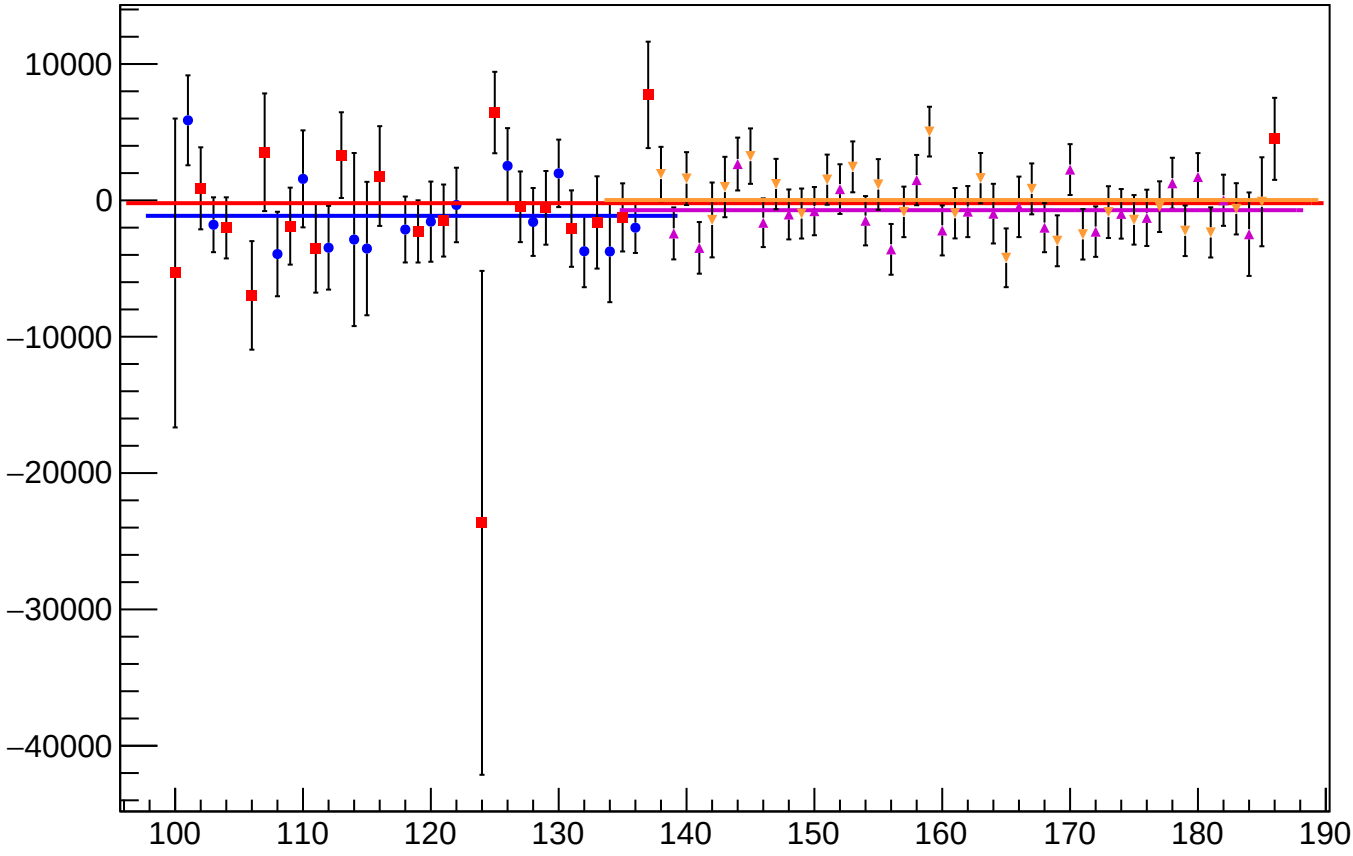
Out: 234.605+/-0.036 χ^2/NDF:8241373.4/44

All: 239.226+/-0.026 χ^2/NDF: 12988088.9/83


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: 19.4/15
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: 48.1/35
In: -0.000+/-0.000 χ²/NDF:42.0/38
Out: -0.000+/-0.000 χ²/NDF:44.4/44
All: -0.000+/-0.000 χ²/NDF: 86.5/83


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: 6410173.0/15
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: 11964193.9/35
In: 0.000+/-0.000 χ²/NDF:12565287.7/38
Out: 0.000+/-0.000 χ²/NDF:8533167.1/44
All: 0.000+/-0.000 χ²/NDF: 21525618.9/83

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

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

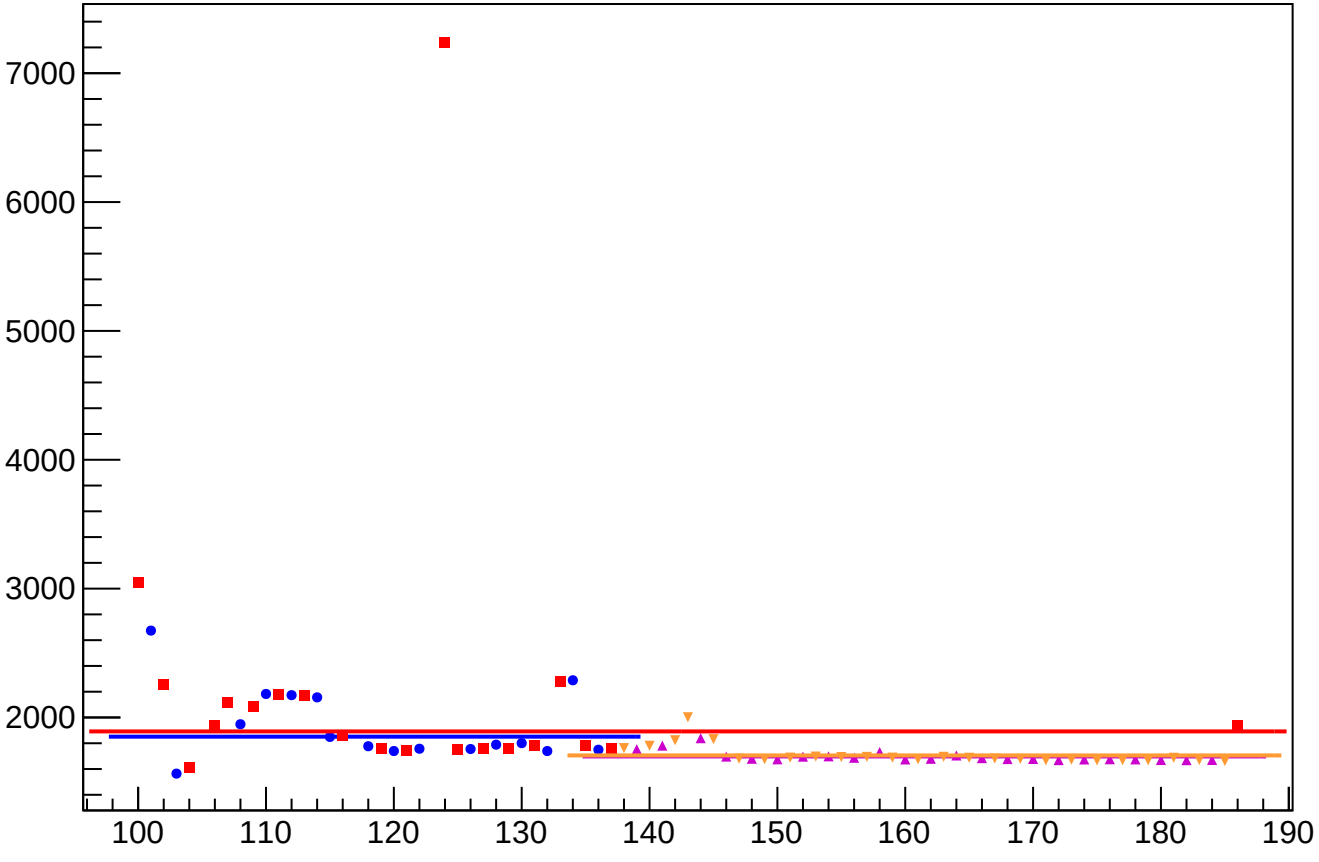
Right: -665.780+/-488.255 χ^2/NDF: 35.7/35

In: -821.690+/-344.214 χ^2/NDF:31.6/38

Out: -32.133+/-337.696 χ^2/NDF:52.1/44

All: -419.366+/-241.059 χ^2/NDF: 86.4/83

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

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

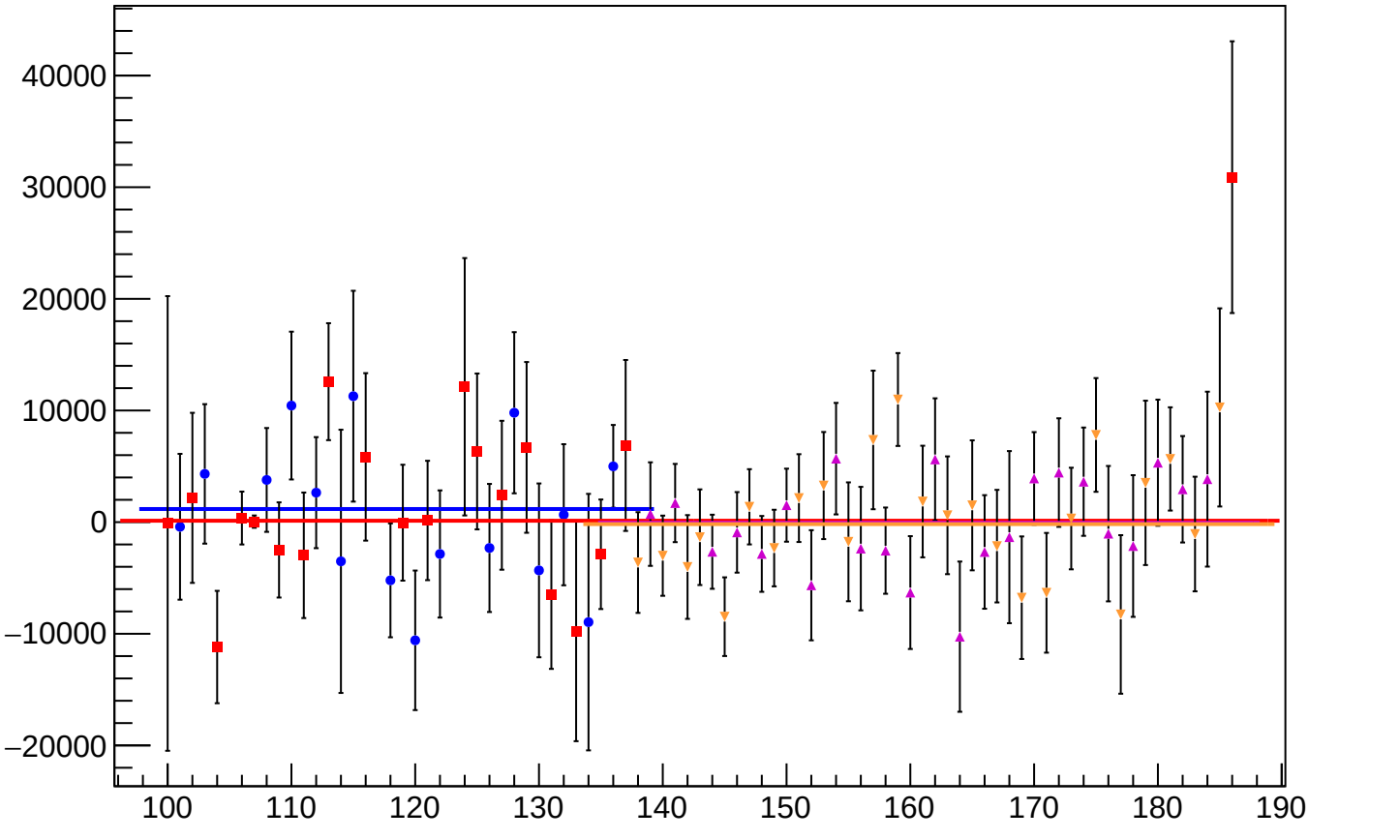
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1871.755+/-0.345 χ^2/NDF: 622816.4/35

In: 1735.328+/-0.243 χ^2/NDF:355044.6/38

Out: 1750.758+/-0.239 χ^2/NDF:531086.4/44

All: 1743.194+/-0.170 χ^2/NDF: 888179.9/83



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

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

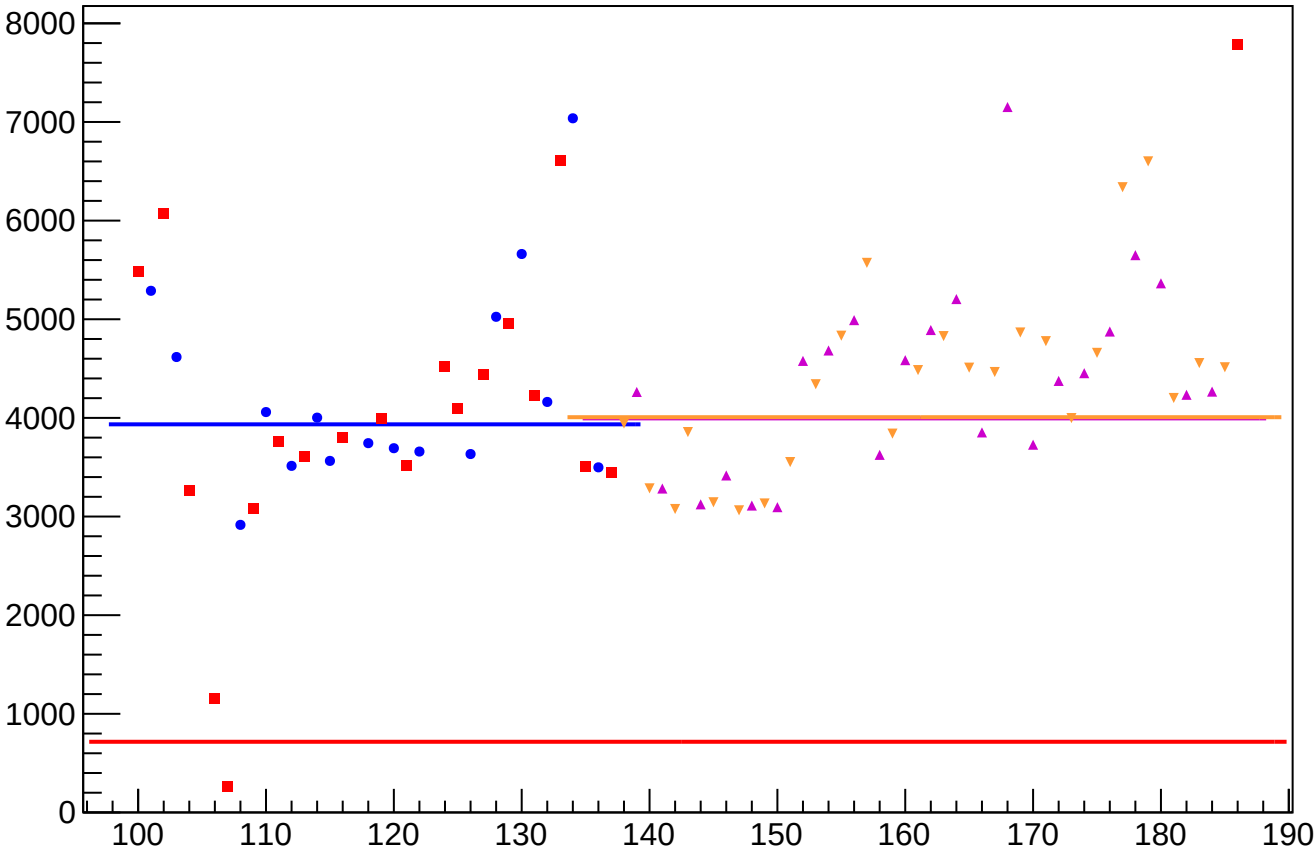
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 232.491+/-478.892 χ^2/NDF: 38.5/35

In: 298.881+/-806.749 χ^2/NDF:28.5/38

Out: 57.662+/-444.523 χ^2/NDF:52.4/44

All: 113.841+/-389.333 χ^2/NDF: 80.9/83



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

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

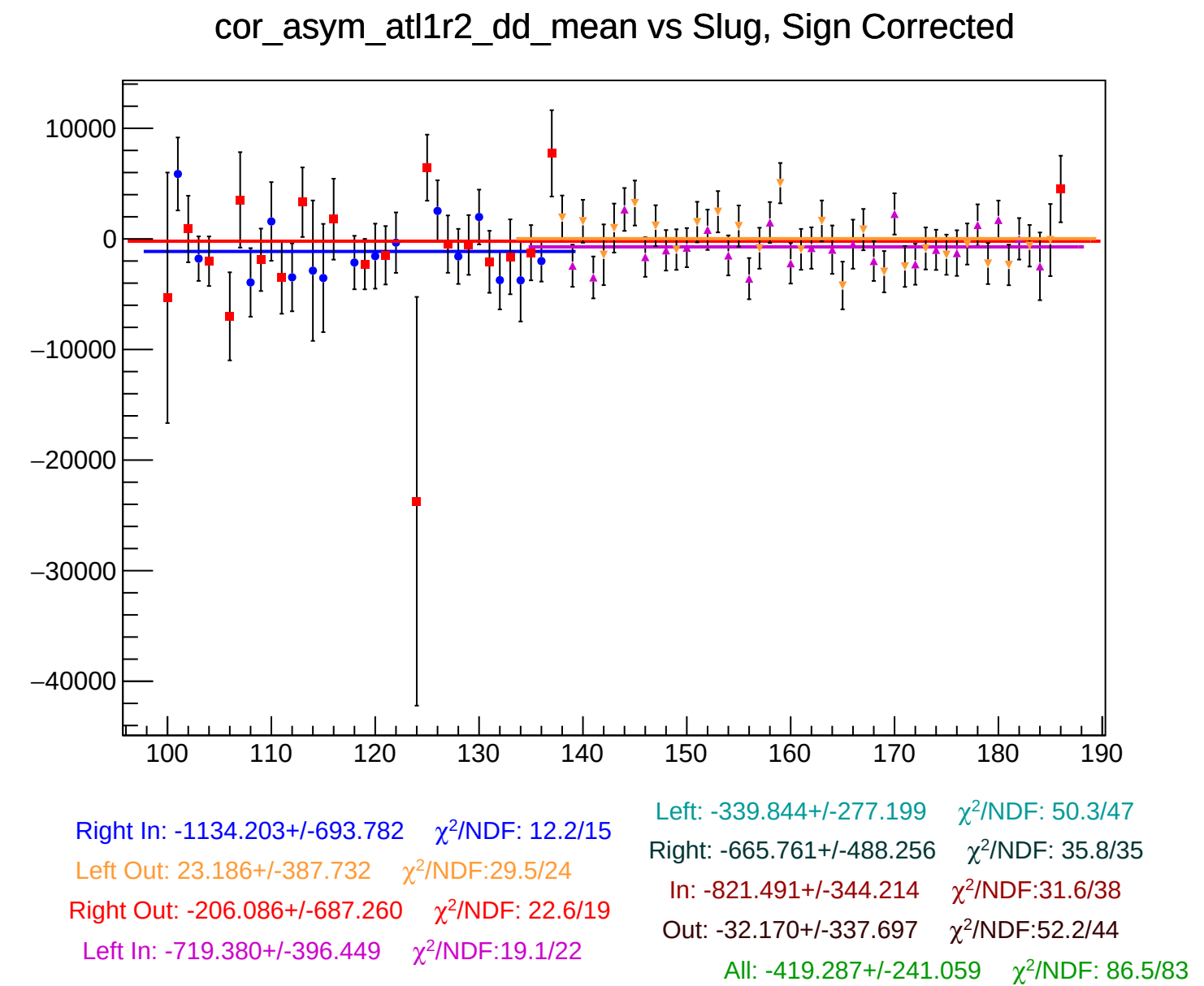
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1043.685+/-0.339 χ^2/NDF: 20102063.2/35

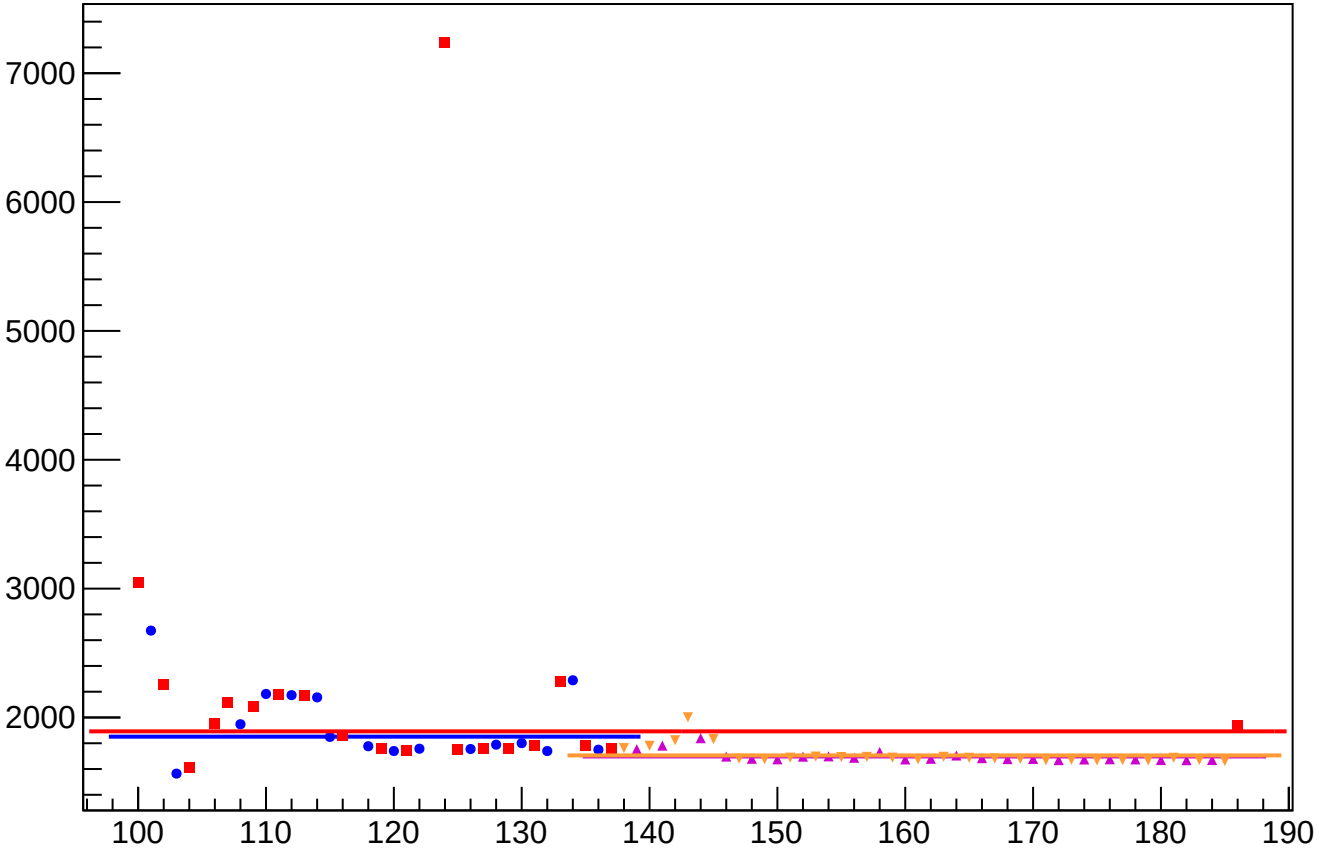
In: 3977.594+/-0.570 χ^2/NDF:2100530.9/38

Out: 1460.099+/-0.314 χ^2/NDF:31965284.0/44

All: 2046.417+/-0.275 χ^2/NDF: 49005563.0/8


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: -1134.203+/-693.782 χ²/NDF: 12.2/15
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: -665.761+/-488.256 χ²/NDF: 35.8/35
In: -821.491+/-344.214 χ²/NDF:31.6/38
Out: -32.170+/-337.697 χ²/NDF:52.2/44
All: -419.287+/-241.059 χ²/NDF: 86.5/83

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

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

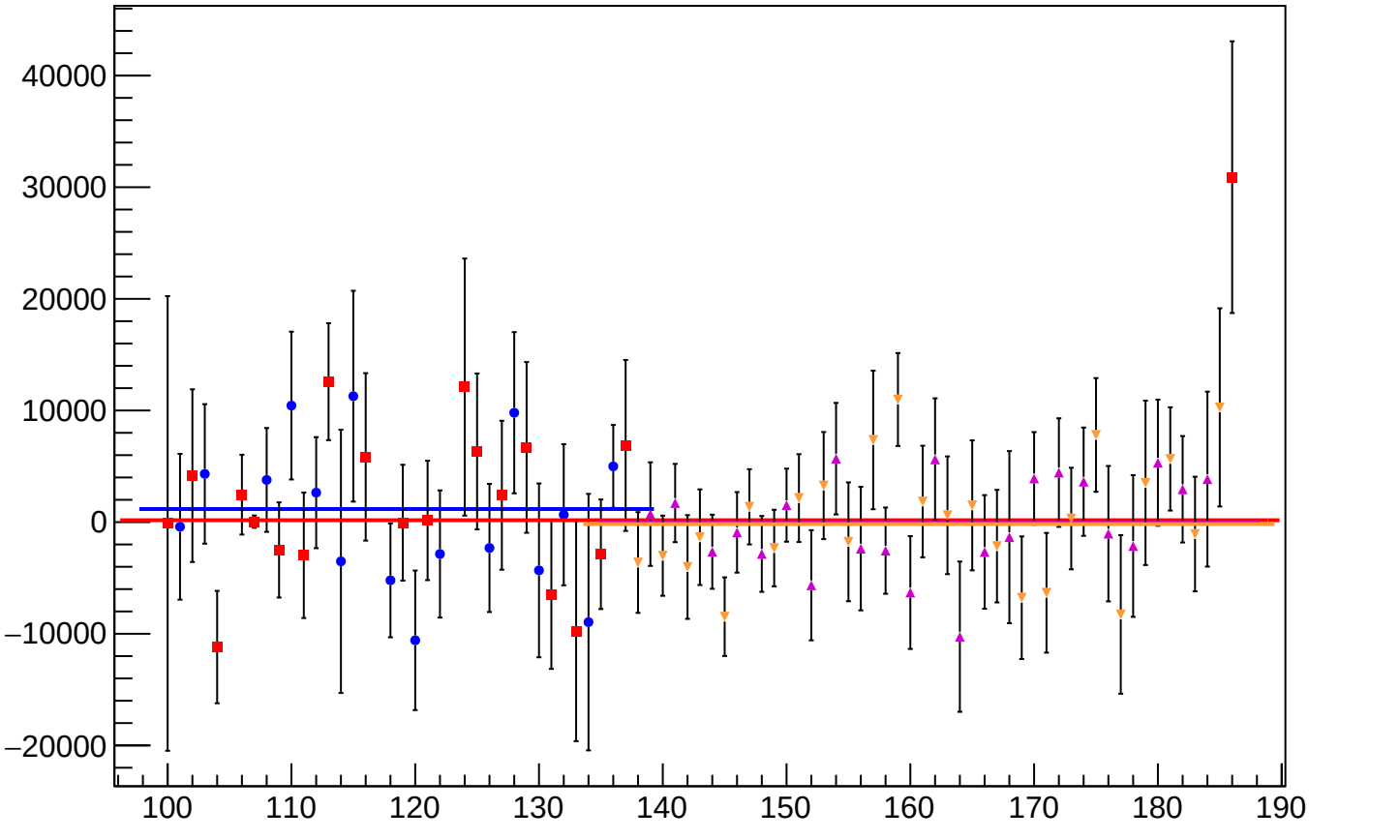
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1871.971+/-0.345 χ^2/NDF: 623100.7/35

In: 1735.328+/-0.243 χ^2/NDF:355044.1/38

Out: 1750.849+/-0.239 χ^2/NDF:531784.1/44

All: 1743.240+/-0.170 χ^2/NDF: 888901.2/83



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

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

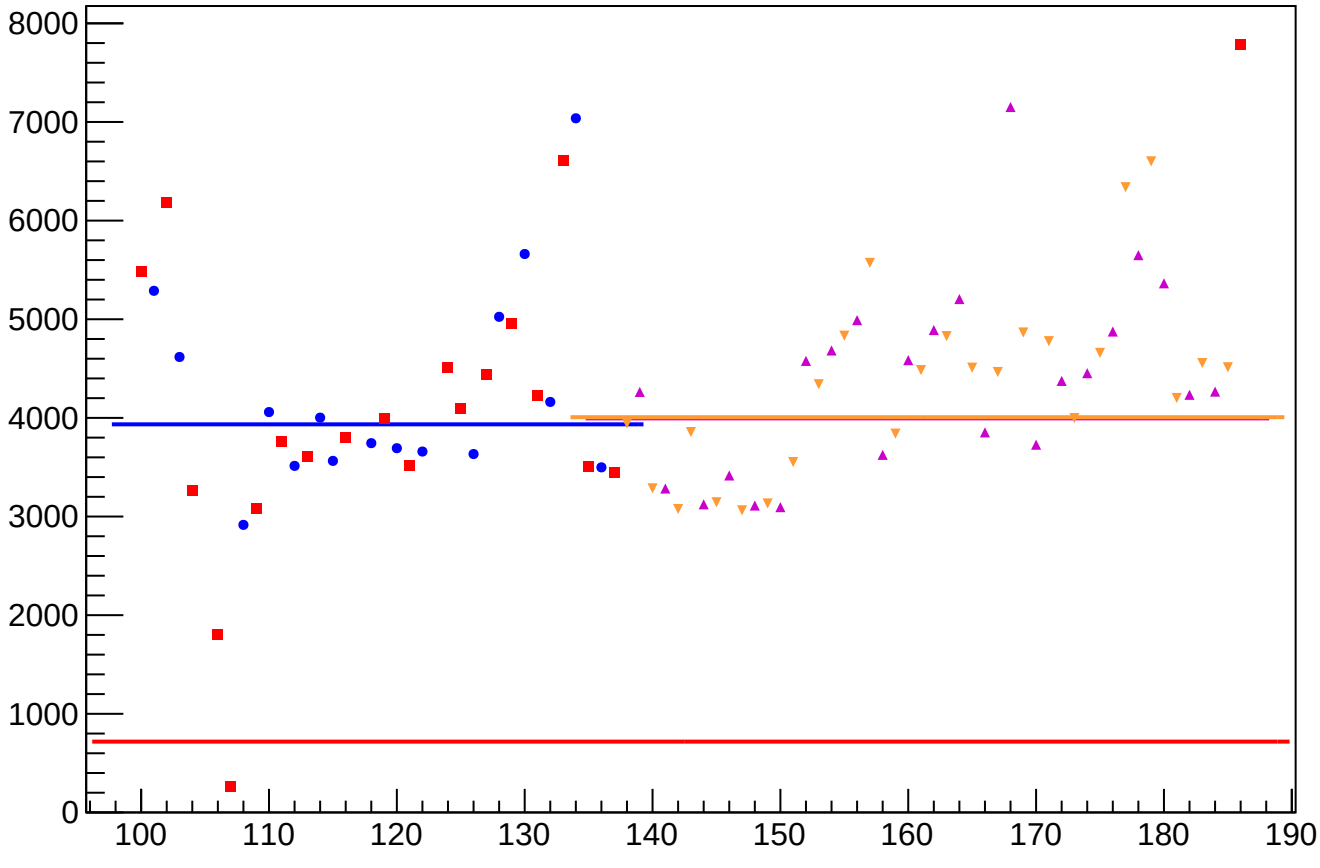
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 274.910+/-484.483 χ^2/NDF: 39.1/35

In: 298.923+/-806.750 χ^2/NDF:28.5/38

Out: 90.574+/-448.983 χ^2/NDF:53.0/44

All: 139.845+/-392.319 χ^2/NDF: 81.5/83



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

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

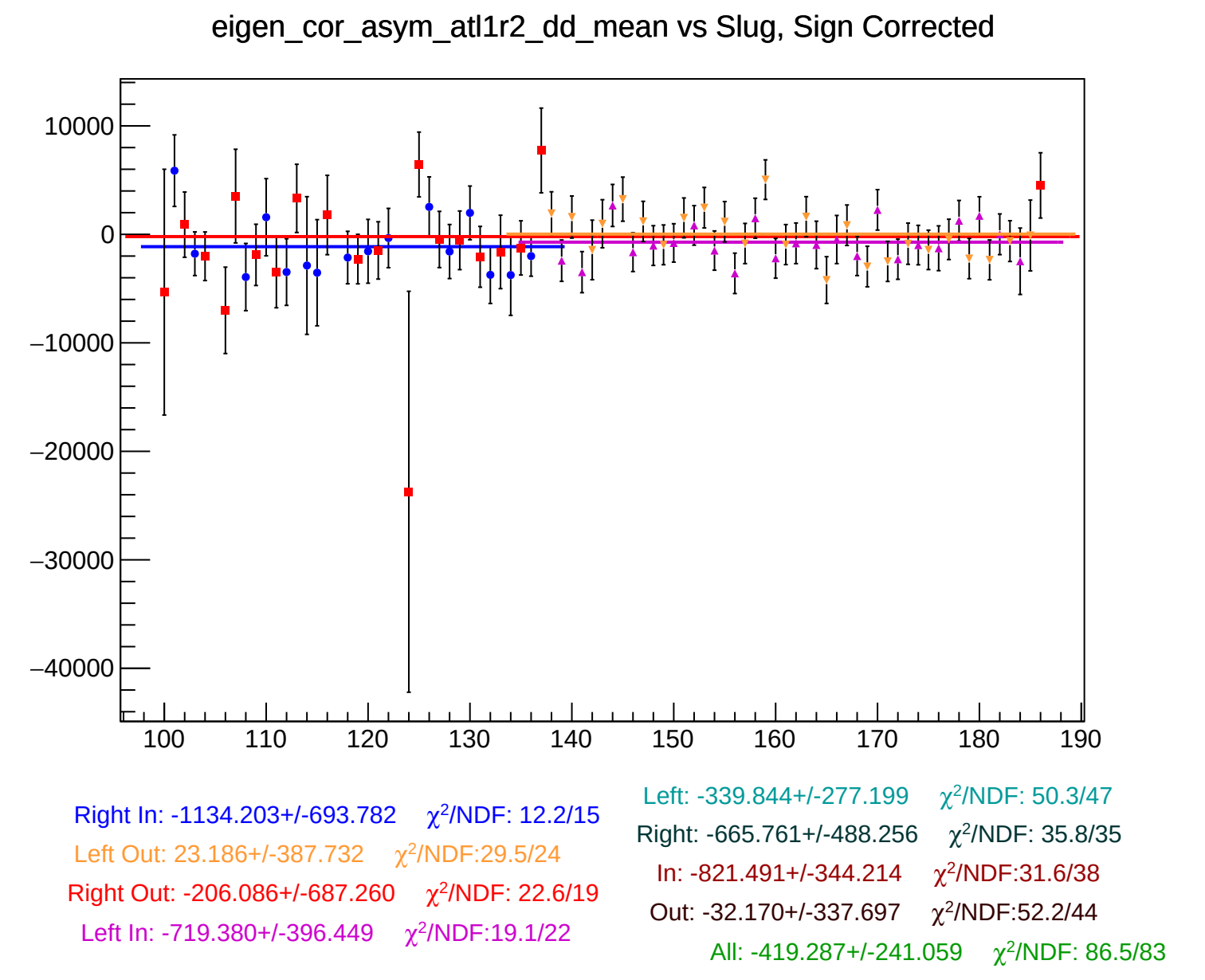
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

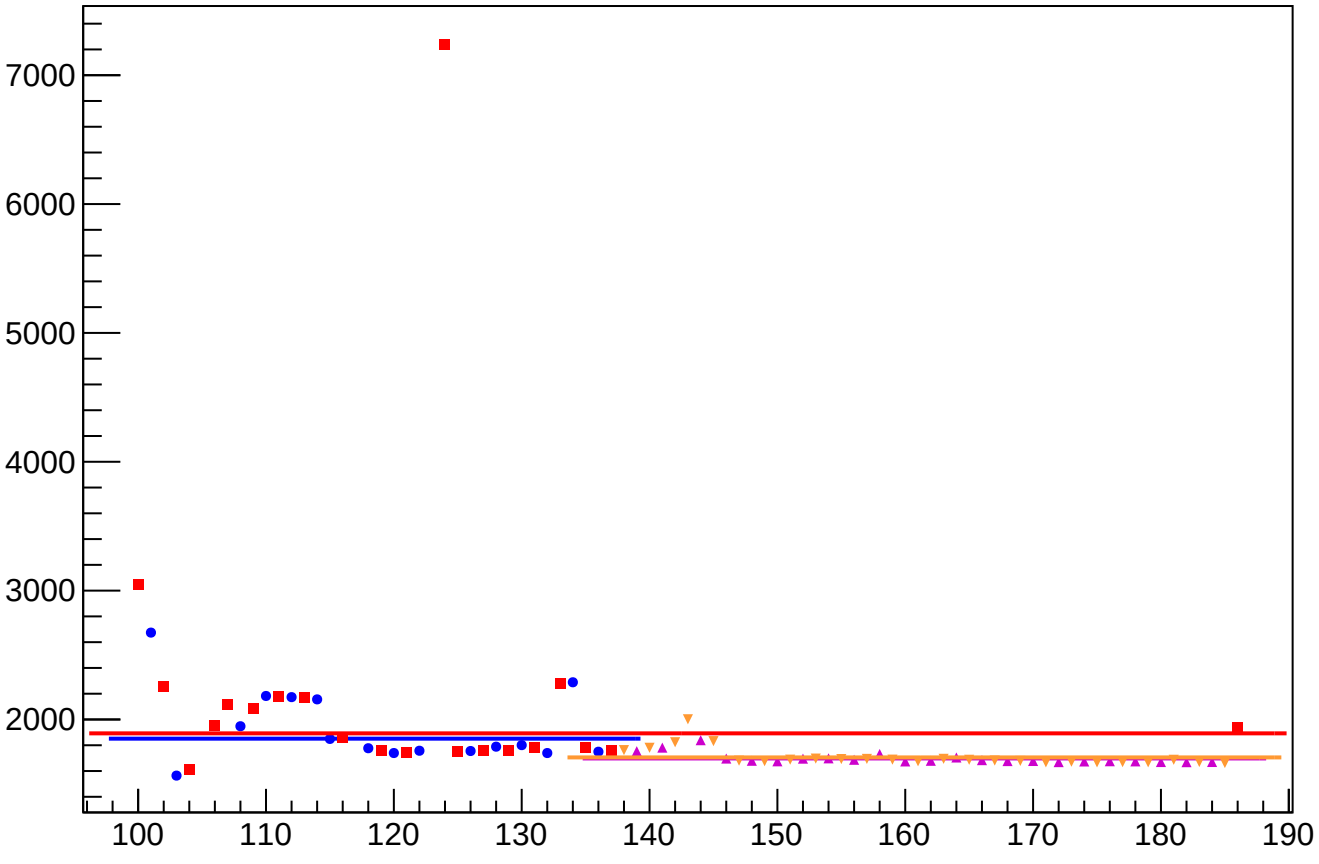
Right: 1052.756+/-0.343 χ^2/NDF: 20200528.5/35

In: 3977.595+/-0.570 χ^2/NDF:2100537.4/38

Out: 1476.289+/-0.317 χ^2/NDF:31962734.9/44

All: 2067.806+/-0.277 χ^2/NDF: 48742537.4/8


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: -1134.203+/-693.782 χ²/NDF: 12.2/15
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: -665.761+/-488.256 χ²/NDF: 35.8/35
In: -821.491+/-344.214 χ²/NDF:31.6/38
Out: -32.170+/-337.697 χ²/NDF:52.2/44
All: -419.287+/-241.059 χ²/NDF: 86.5/83



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

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

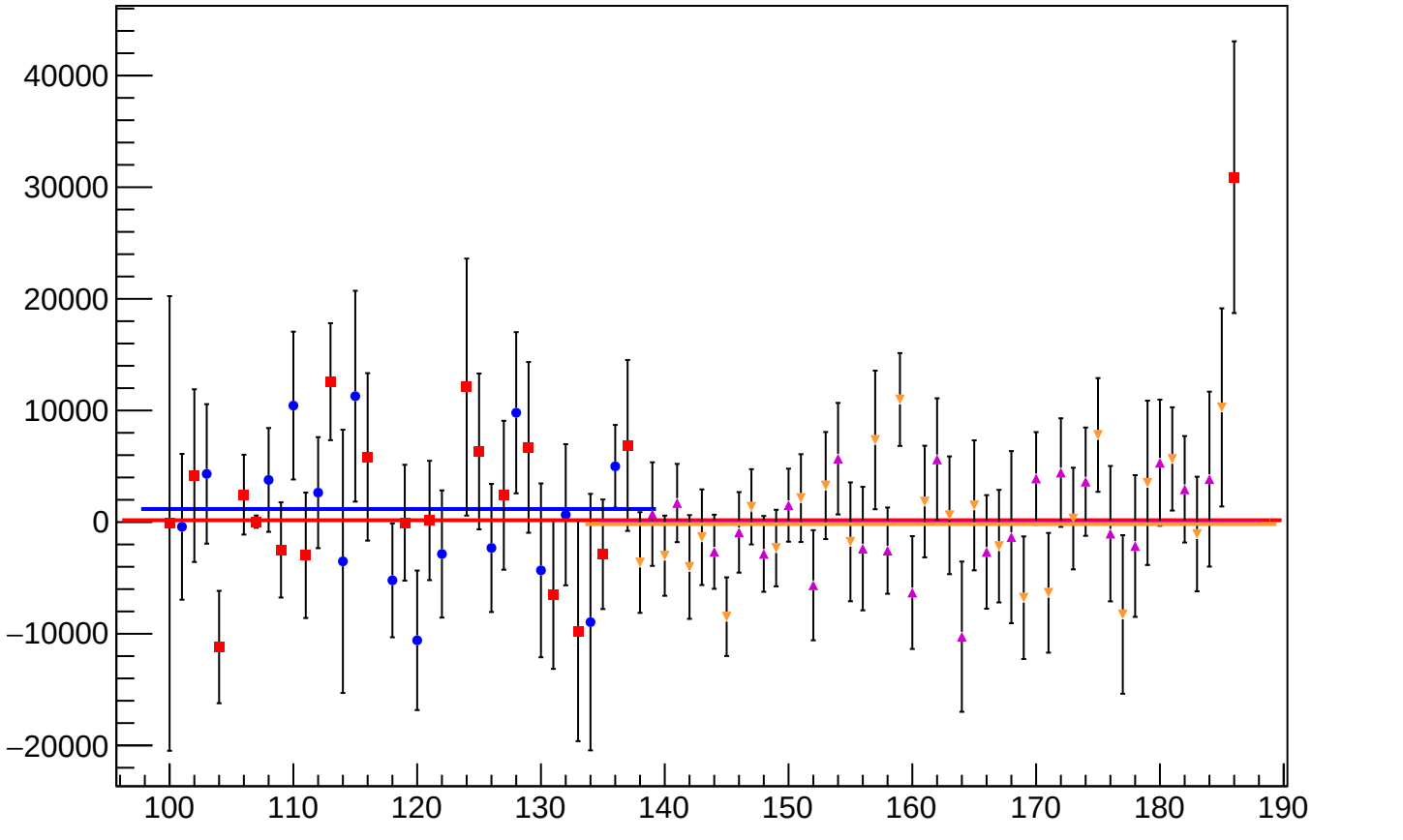
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1871.971+/-0.345 χ^2/NDF: 623100.7/35

In: 1735.328+/-0.243 χ^2/NDF:355044.1/38

Out: 1750.849+/-0.239 χ^2/NDF:531784.1/44

All: 1743.240+/-0.170 χ^2/NDF: 888901.2/83



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

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

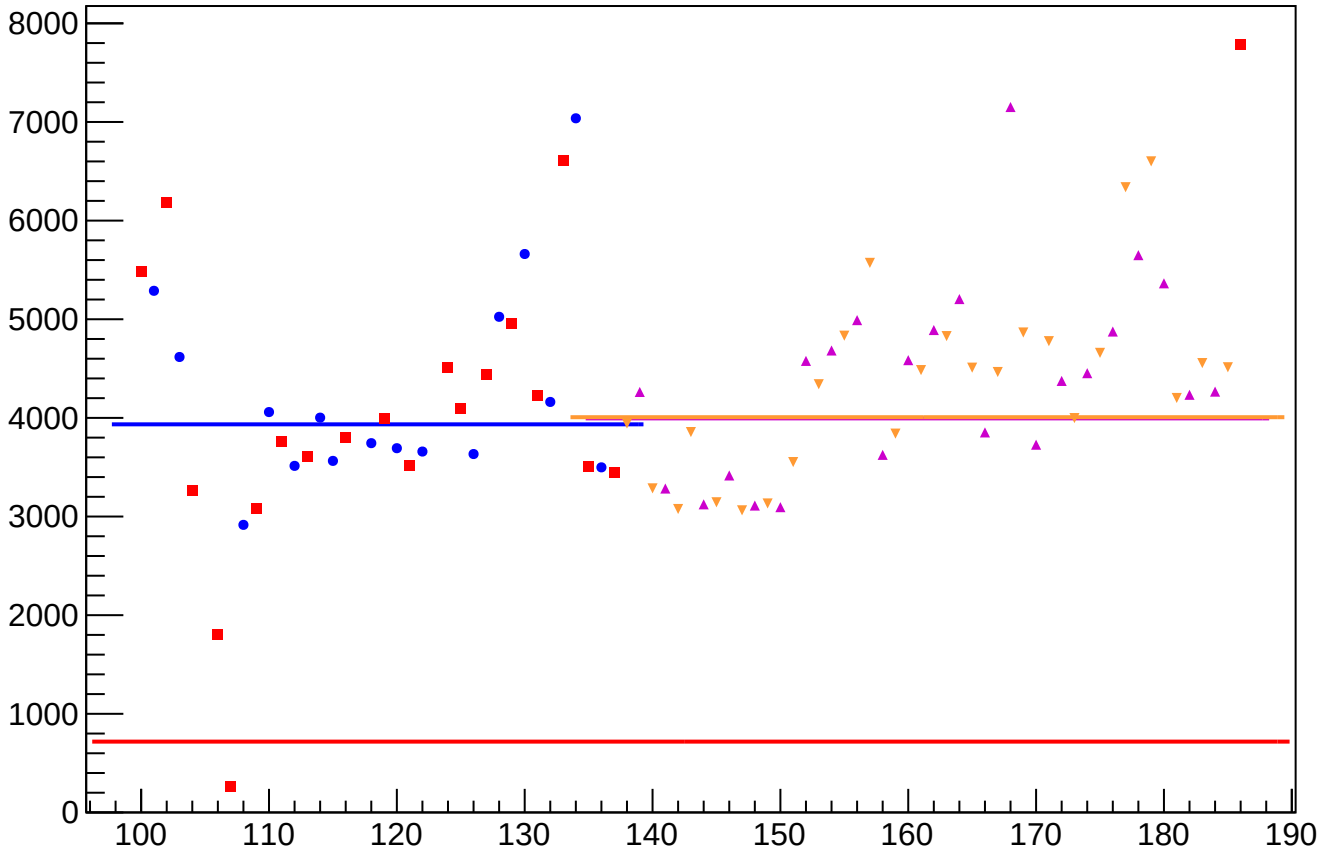
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 274.910+/-484.483 χ^2/NDF: 39.1/35

In: 298.923+/-806.750 χ^2/NDF:28.5/38

Out: 90.574+/-448.983 χ^2/NDF:53.0/44

All: 139.845+/-392.319 χ^2/NDF: 81.5/83



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

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

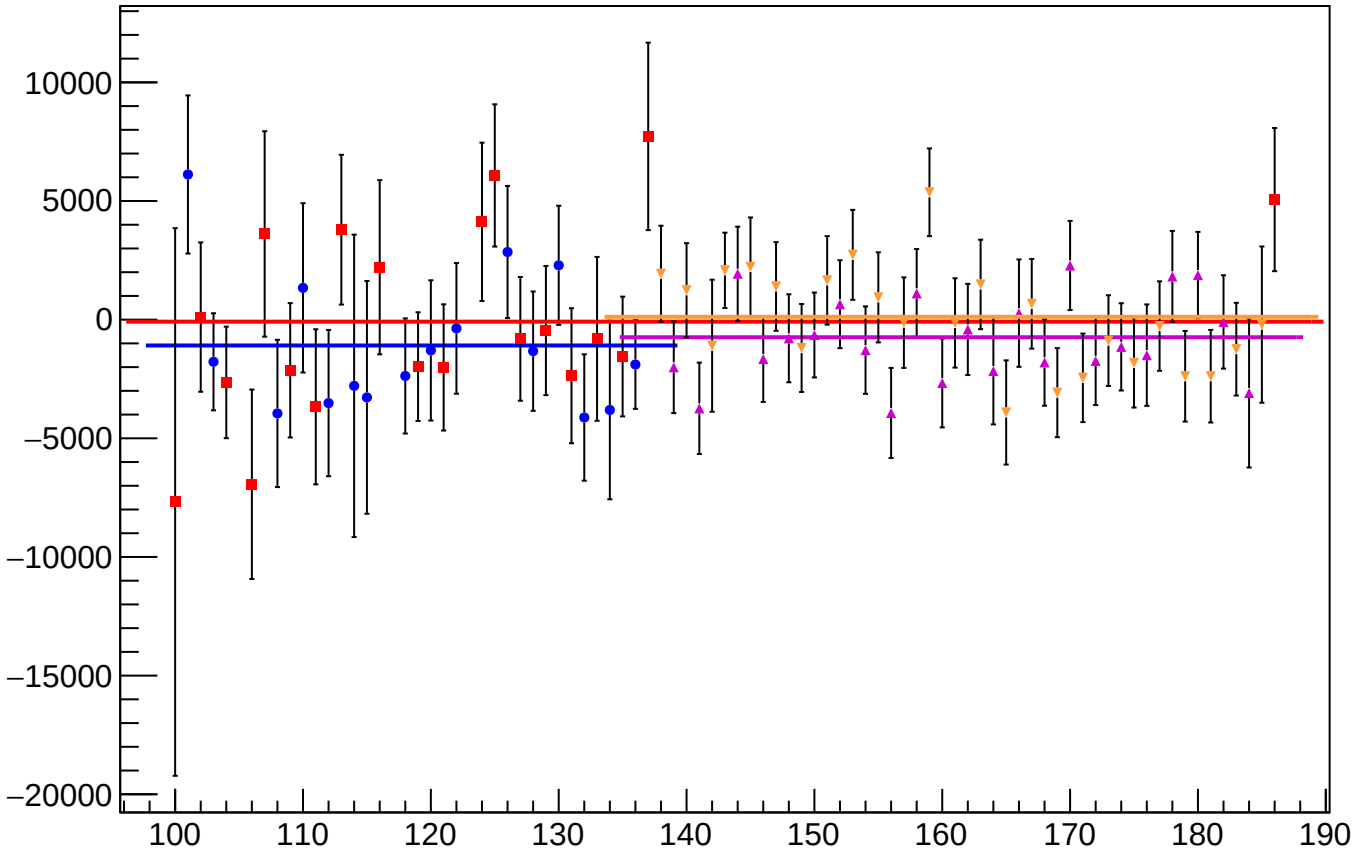
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1052.756+/-0.343 χ^2/NDF: 20200528.5/35

In: 3977.595+/-0.570 χ^2/NDF:2100537.4/38

Out: 1476.289+/-0.317 χ^2/NDF:31962734.9/44

All: 2067.806+/-0.277 χ^2/NDF: 48742537.4/8



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

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

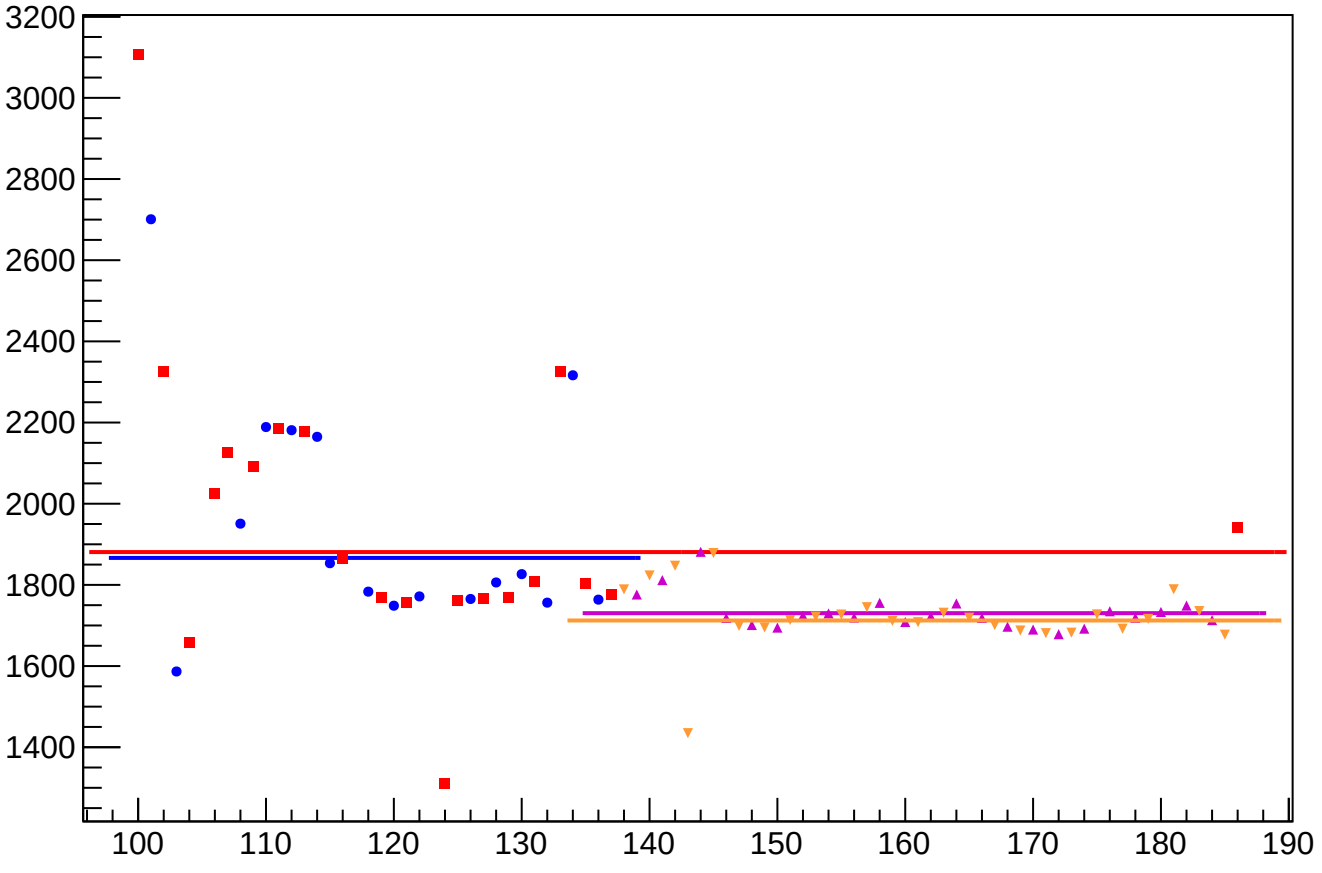
Right: -573.013+/-488.186 χ^2/NDF: 38.1/35

In: -827.909+/-349.957 χ^2/NDF:32.4/38

Out: 69.645+/-338.147 χ^2/NDF:53.7/44

All: -363.731+/-243.174 χ^2/NDF: 89.4/83

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

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

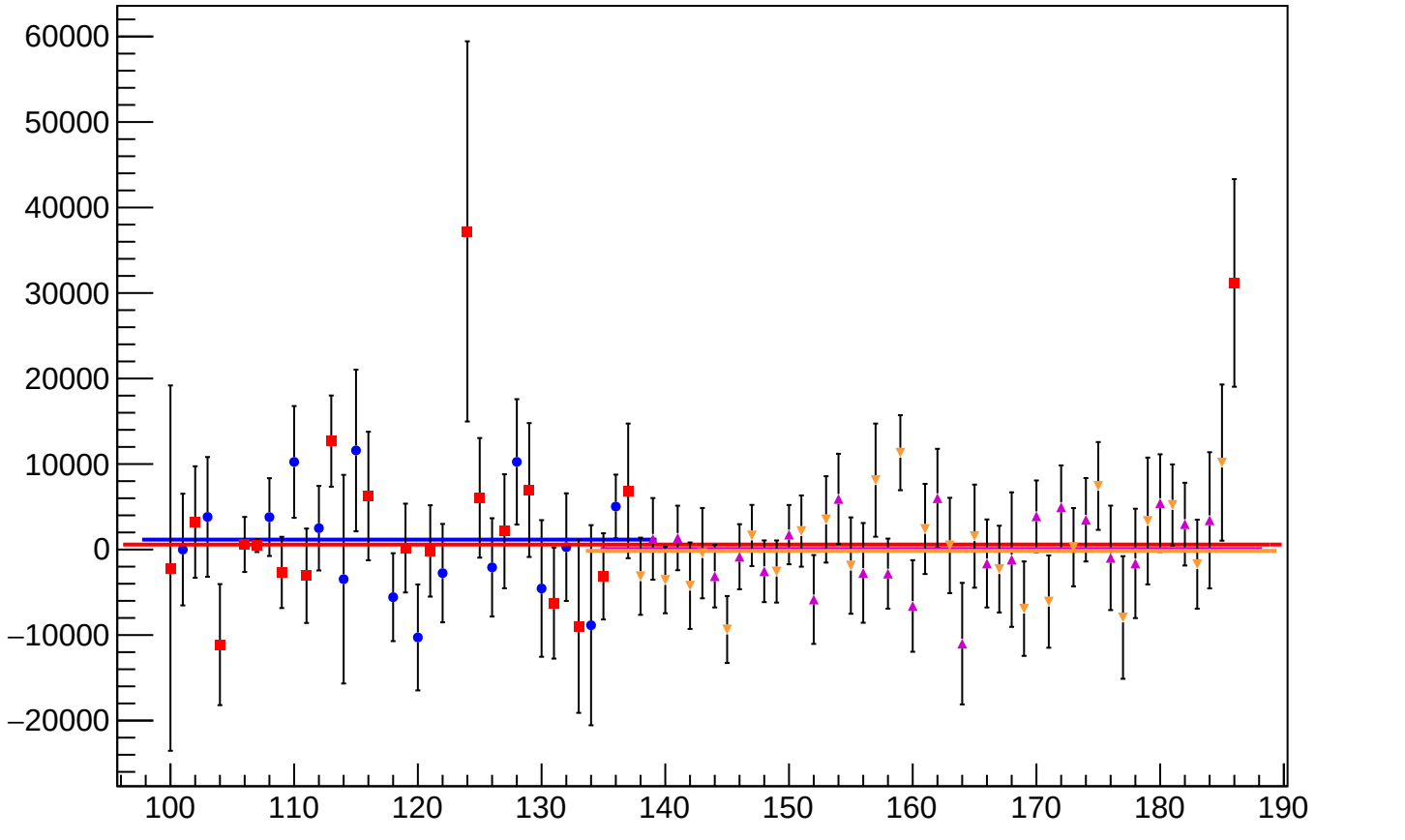
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1873.853+/-0.345 χ^2/NDF: 509372.7/35

In: 1764.403+/-0.247 χ^2/NDF:336103.6/38

Out: 1753.847+/-0.239 χ^2/NDF:439391.4/44

All: 1758.943+/-0.172 χ^2/NDF: 776436.3/83



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

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

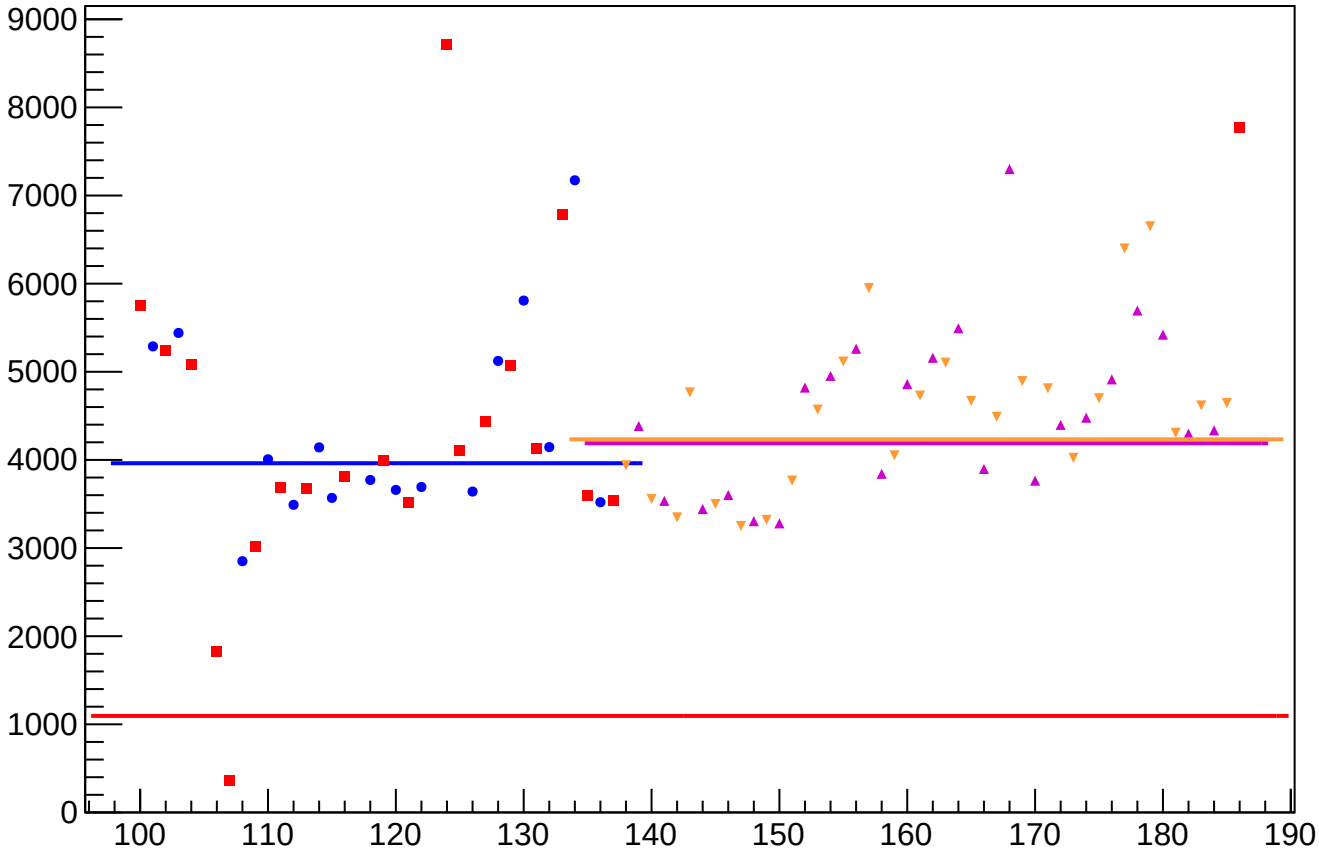
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 674.865+/-603.006 χ^2/NDF: 37.1/35

In: 398.657+/-834.181 χ^2/NDF:28.0/38

Out: 356.938+/-546.882 χ^2/NDF:50.6/44

All: 369.479+/-457.358 χ^2/NDF: 78.6/83



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

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

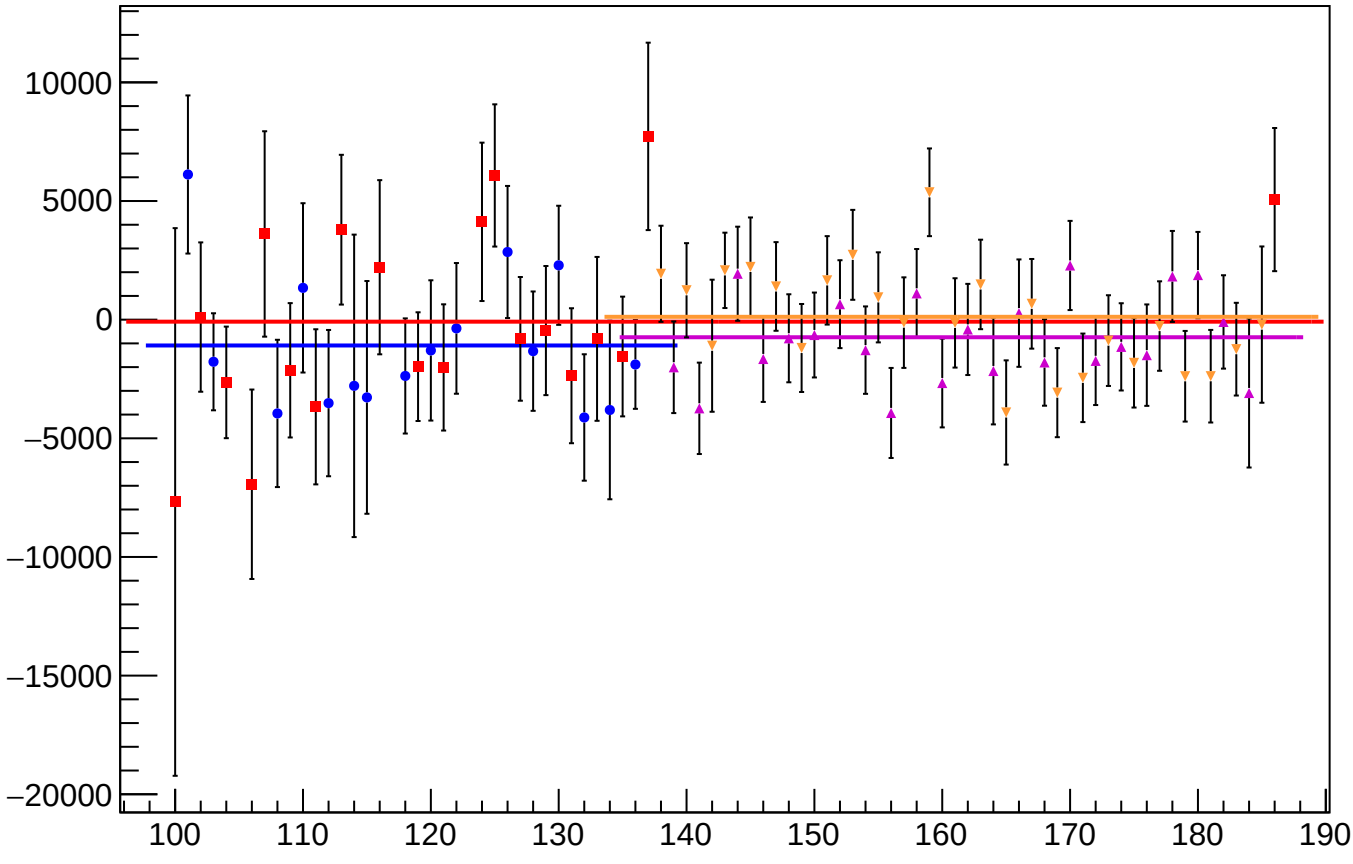
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1551.417+/-0.426 χ^2/NDF: 16877184.9/35

In: 4119.950+/-0.590 χ^2/NDF:2044158.2/38

Out: 2063.029+/-0.387 χ^2/NDF:25493269.3/44

All: 2681.343+/-0.323 χ^2/NDF: 36042329.9/8



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

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

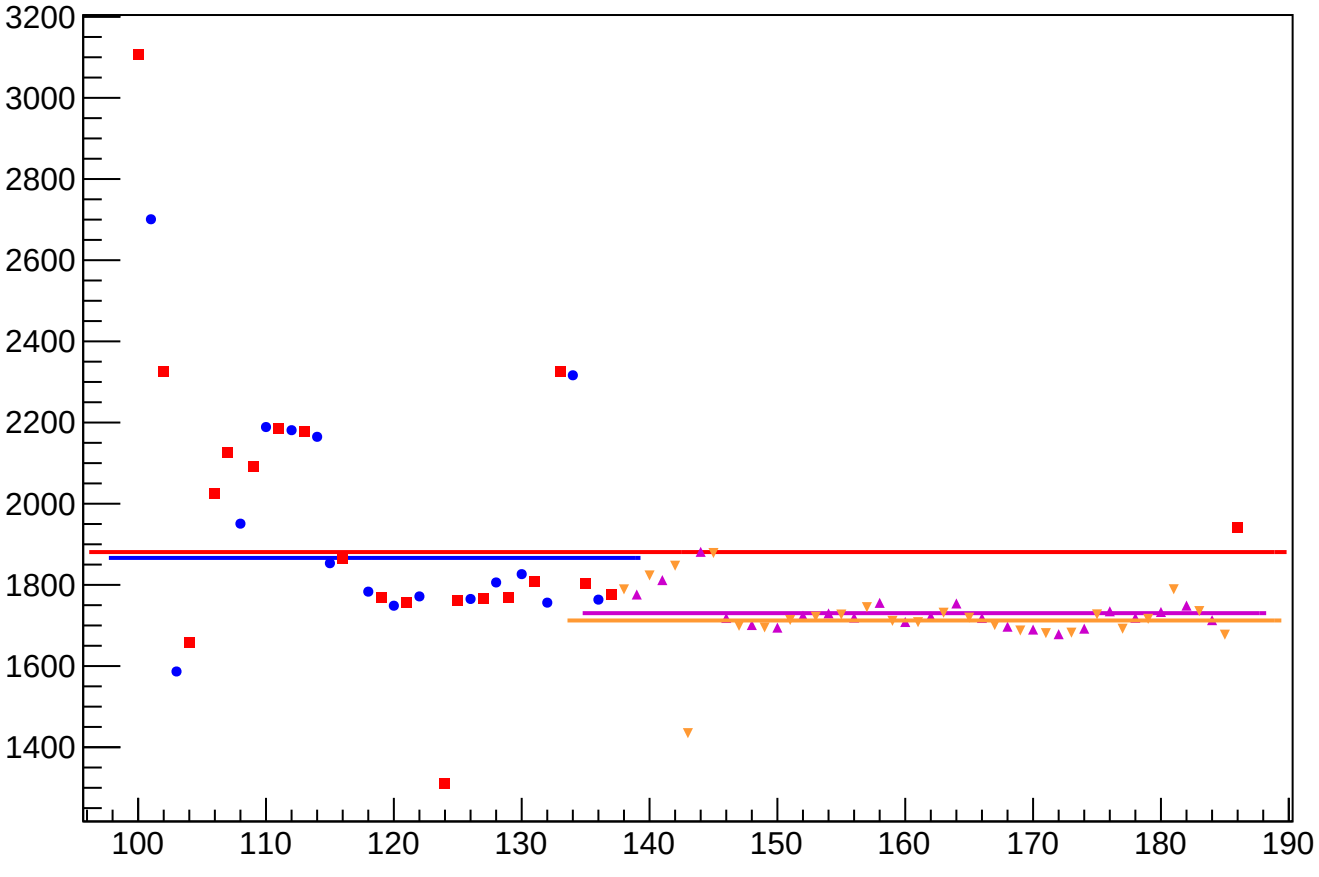
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -573.020+/-488.186 χ^2/NDF: 38.1/35

In: -827.909+/-349.957 χ^2/NDF:32.4/38

Out: 69.644+/-338.147 χ^2/NDF:53.7/44

All: -363.731+/-243.174 χ^2/NDF: 89.4/83



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

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

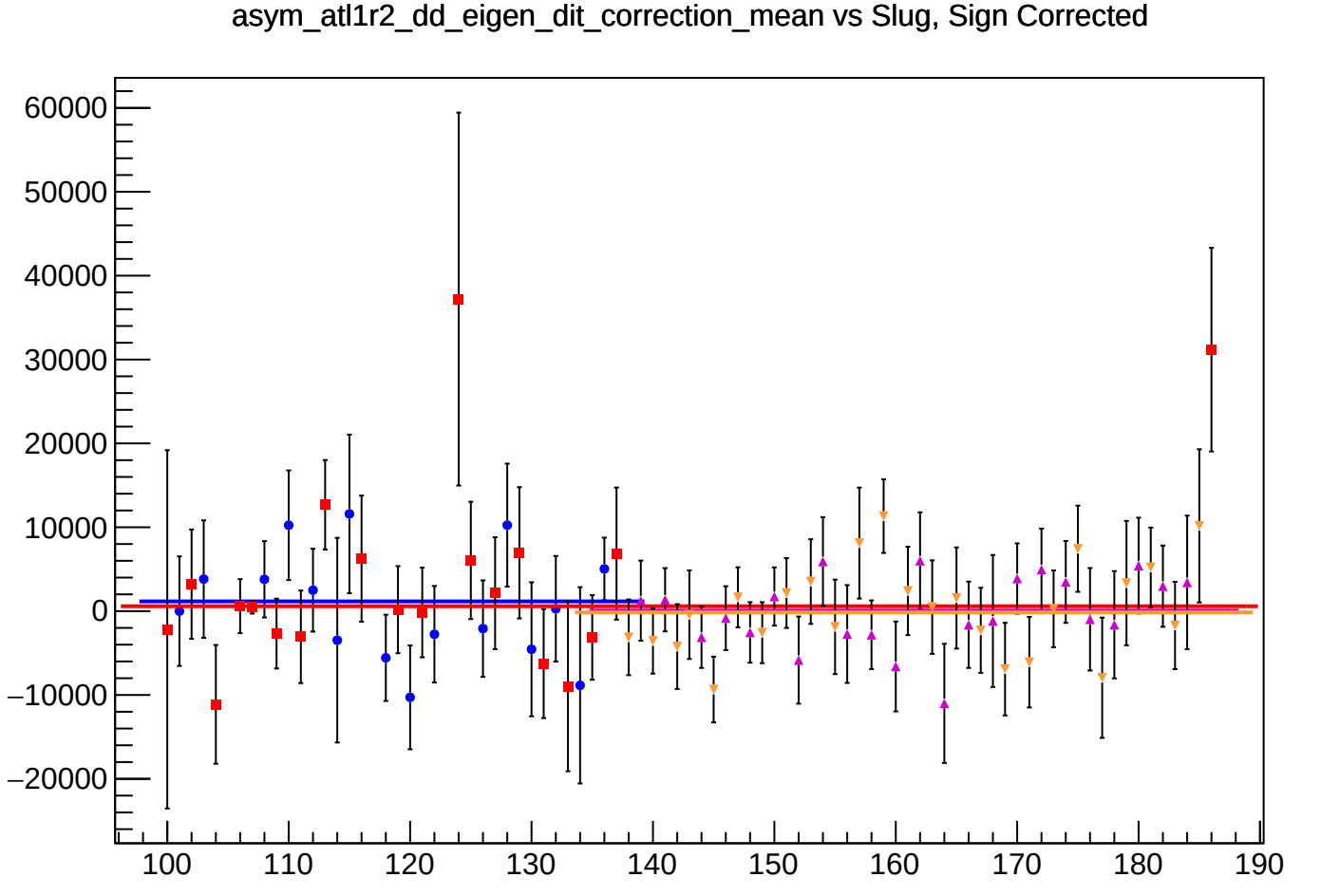
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1873.853+/-0.345 χ^2/NDF: 509372.9/35

In: 1764.403+/-0.247 χ^2/NDF:336102.9/38

Out: 1753.847+/-0.239 χ^2/NDF:439390.1/44

All: 1758.943+/-0.172 χ^2/NDF: 776434.2/83



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 582.940+/-657.555 χ^2/NDF: 23.3/19

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

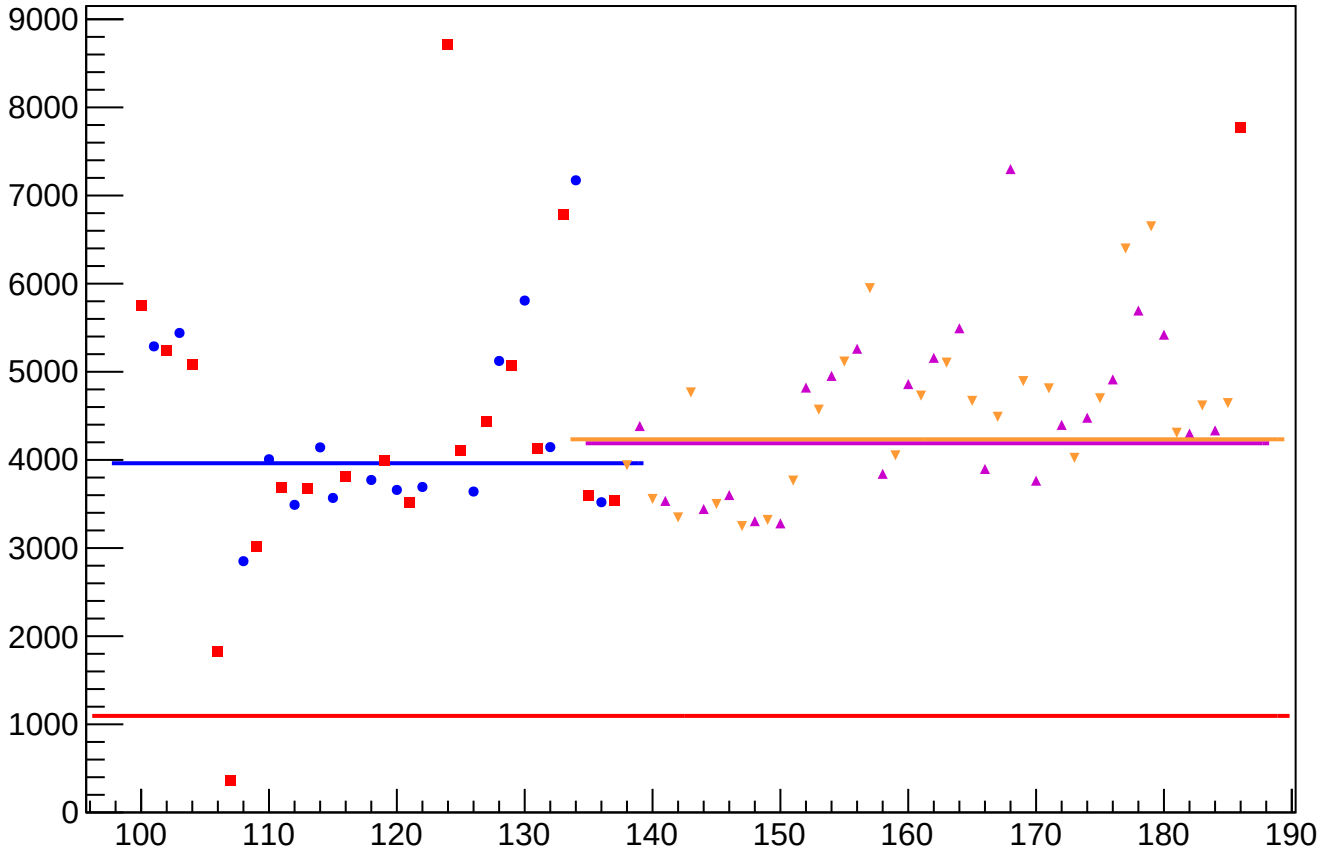
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 674.873+/-603.014 χ^2/NDF: 37.1/35

In: 398.654+/-834.181 χ^2/NDF:28.0/38

Out: 356.941+/-546.888 χ^2/NDF:50.6/44

All: 369.480+/-457.361 χ^2/NDF: 78.6/83



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

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

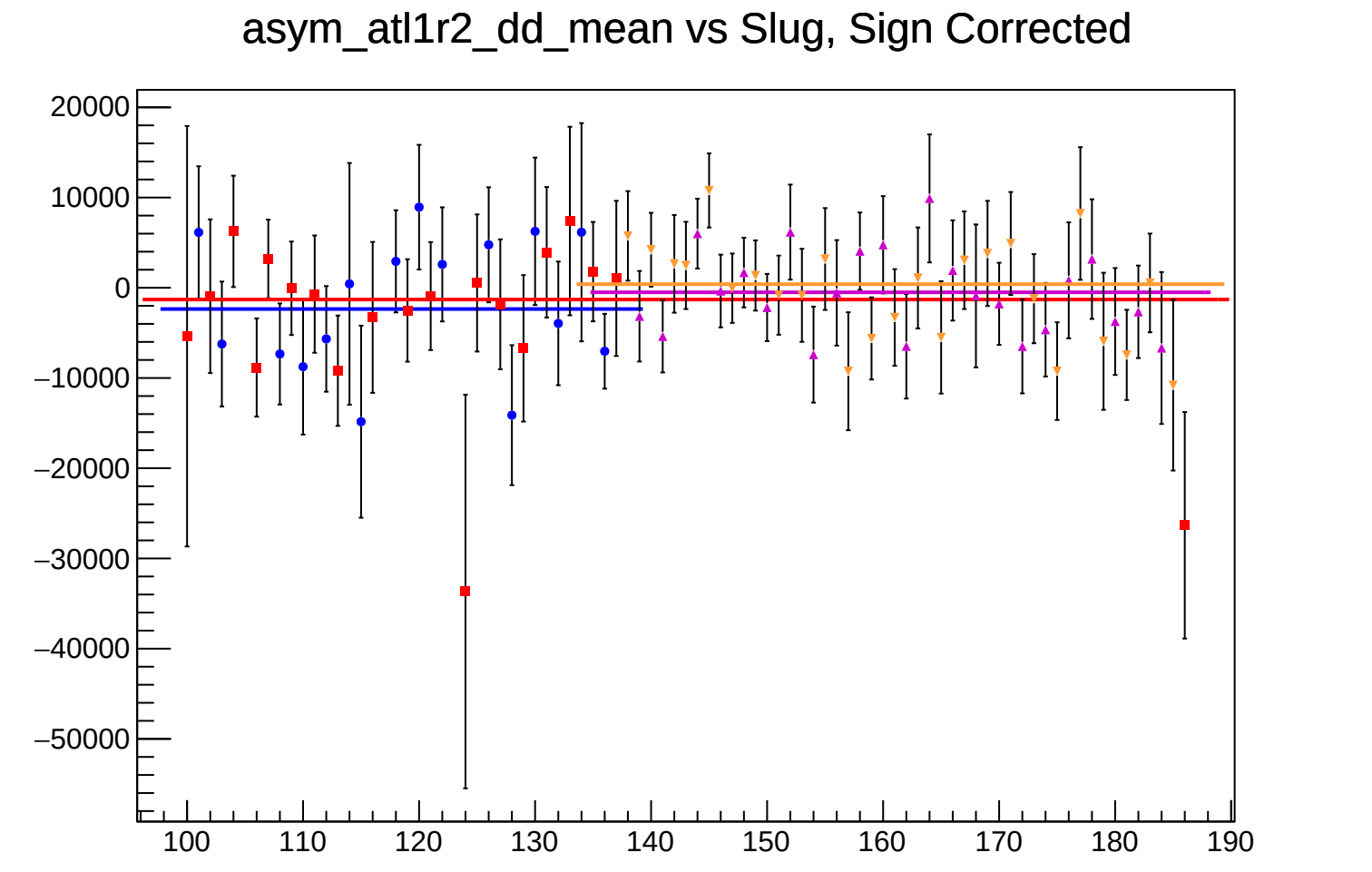
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 1551.456+/-0.426 χ^2/NDF: 16876872.8/35

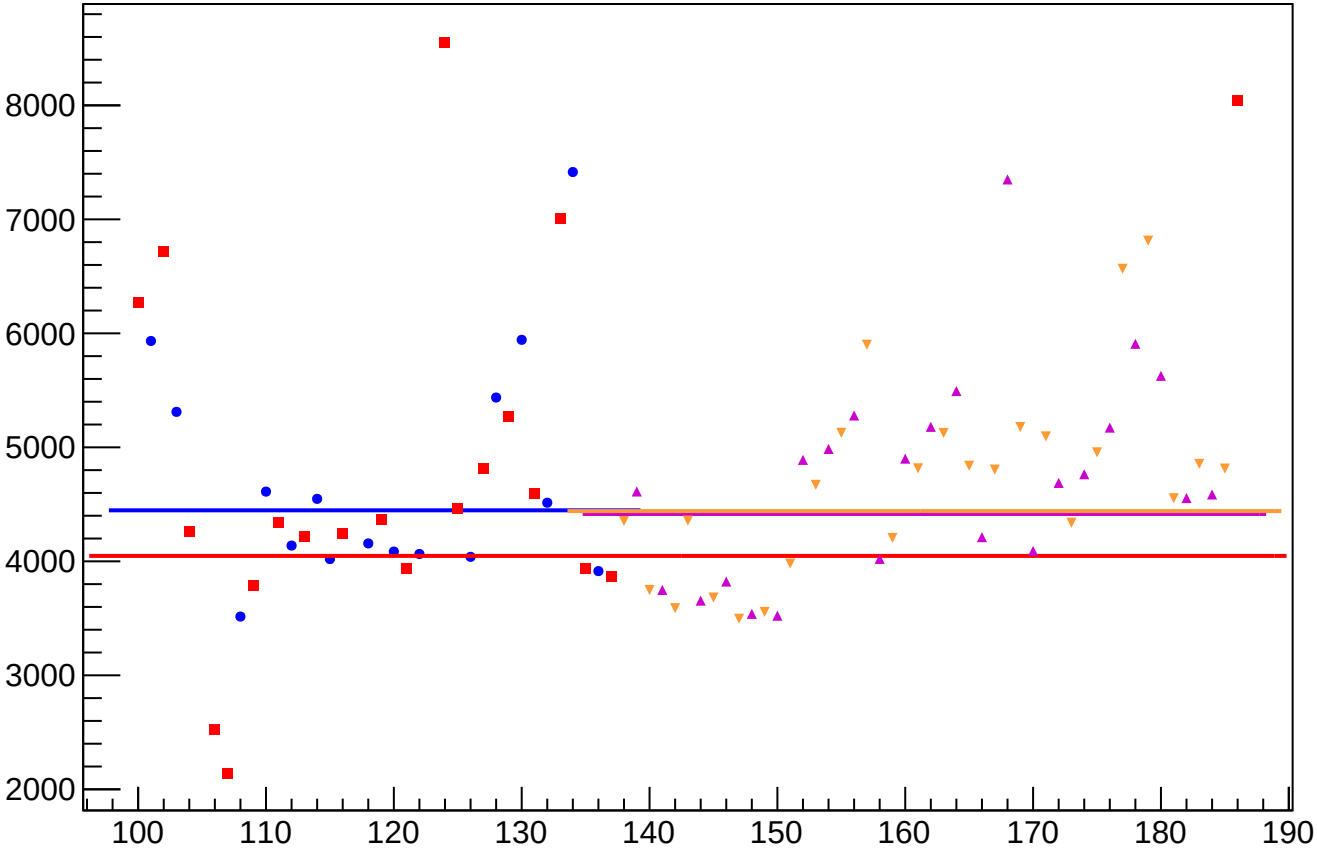
In: 4119.952+/-0.590 χ^2/NDF:2044162.9/38

Out: 2063.073+/-0.387 χ^2/NDF:25492738.5/44

All: 2681.384+/-0.323 χ^2/NDF: 36041394.0/8


asym_atl1r2_dd_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: -2354.851+/-1684.784 χ²/NDF: 15.5/15
Left Out: 398.336+/-1028.431 χ²/NDF:24.7/24
Right Out: -1304.879+/-1535.275 χ²/NDF: 14.6/19
Left In: -502.999+/-1049.682 χ²/NDF:17.3/22
Left: -43.115+/-734.609 χ²/NDF: 42.4/47
Right: -1781.219+/-1134.786 χ²/NDF: 30.4/35
In: -1020.831+/-890.914 χ²/NDF:33.8/38
Out: -129.212+/-854.442 χ²/NDF:40.2/44
All: -556.398+/-616.672 χ²/NDF: 74.5/83

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

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

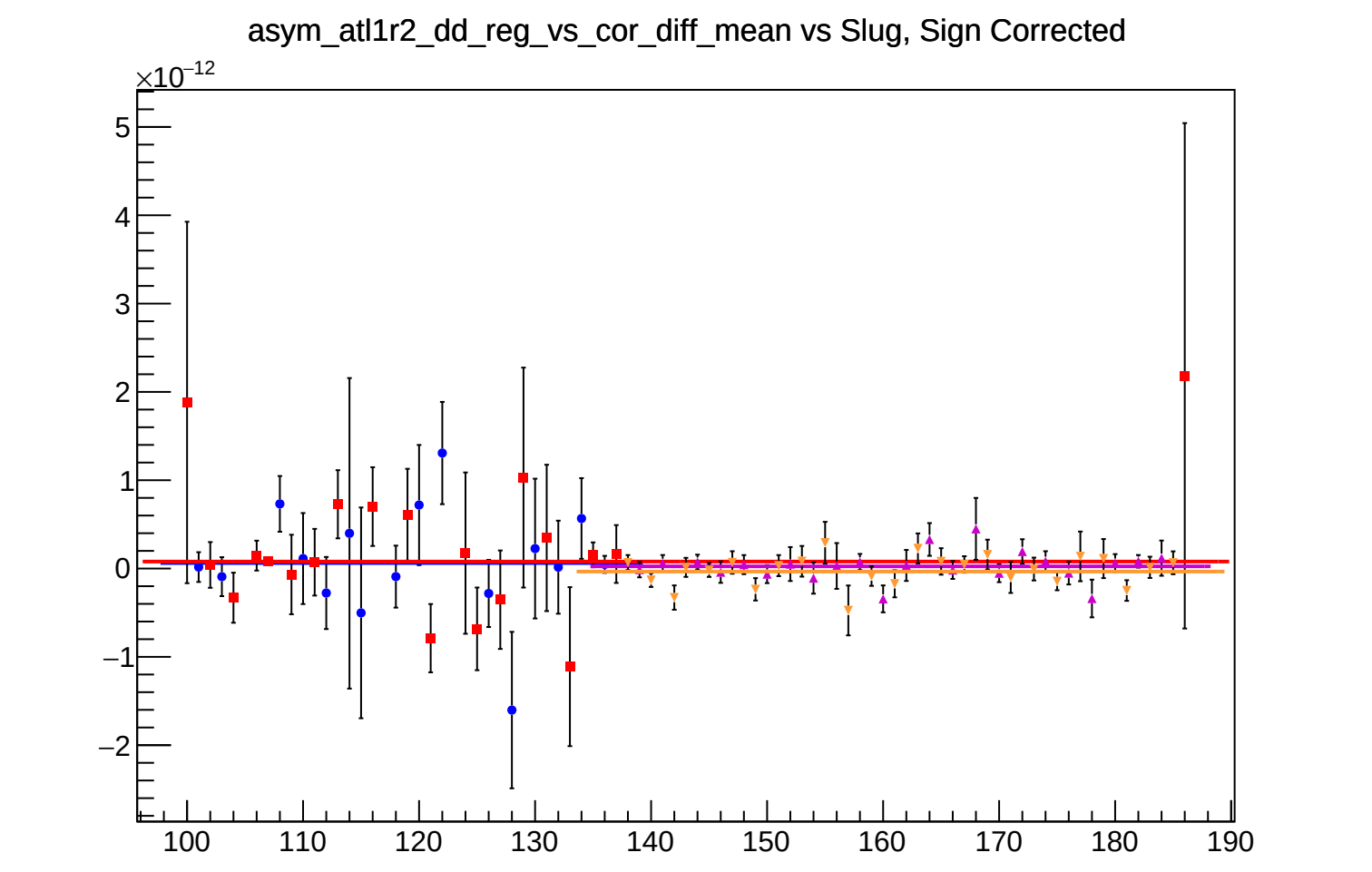
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 4227.085+/-0.798 χ^2/NDF: 1869523.4/35

In: 4424.330+/-0.630 χ^2/NDF:1570184.0/38

Out: 4317.385+/-0.602 χ^2/NDF:2514083.8/44

All: 4368.461+/-0.435 χ^2/NDF: 4099323.4/83



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

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.6/19

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

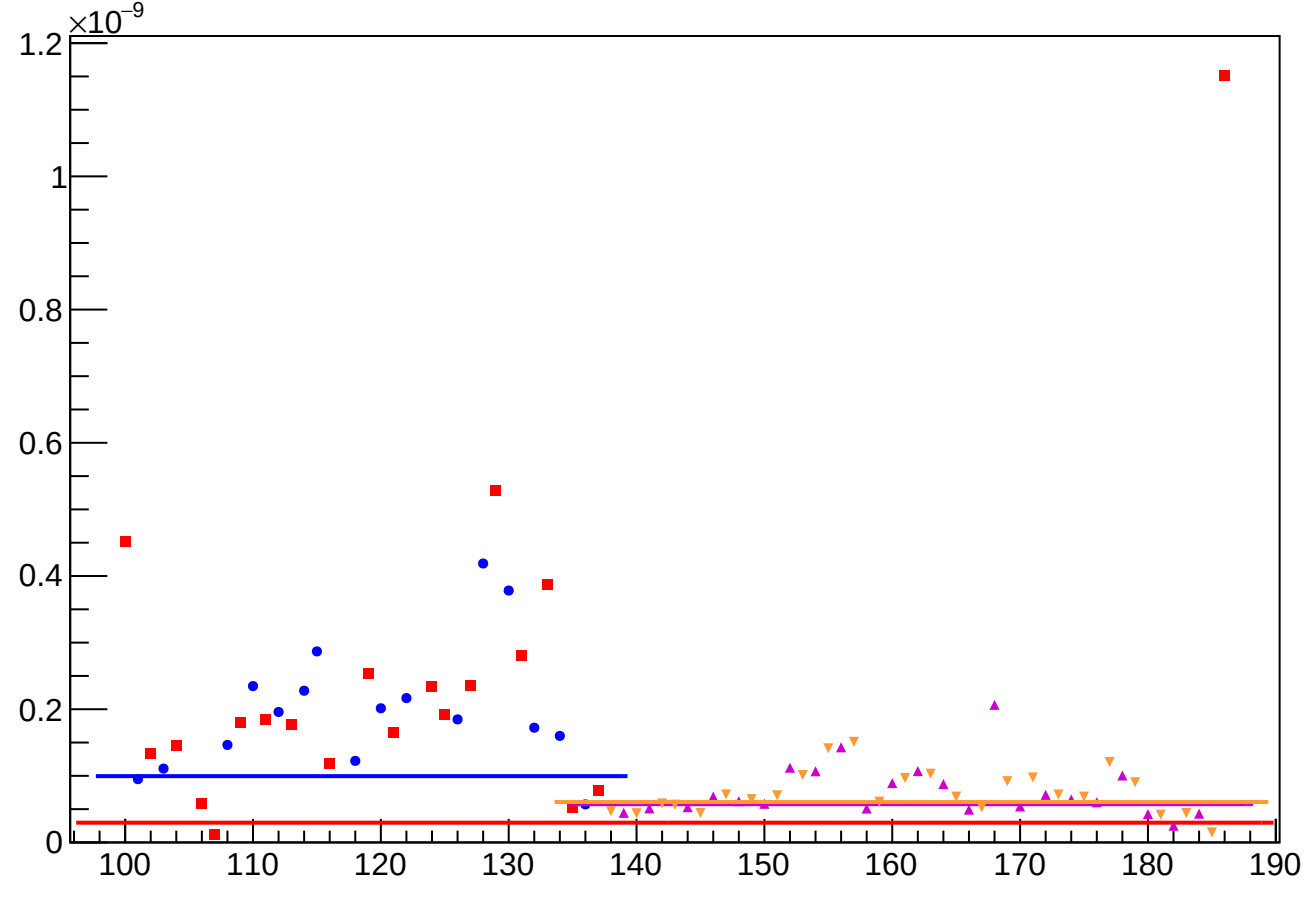
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 38.1/35

In: 0.000+/-0.000 χ^2/NDF:37.0/38

Out: 0.000+/-0.000 χ^2/NDF:56.5/44

All: 0.000+/-0.000 χ^2/NDF: 94.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

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

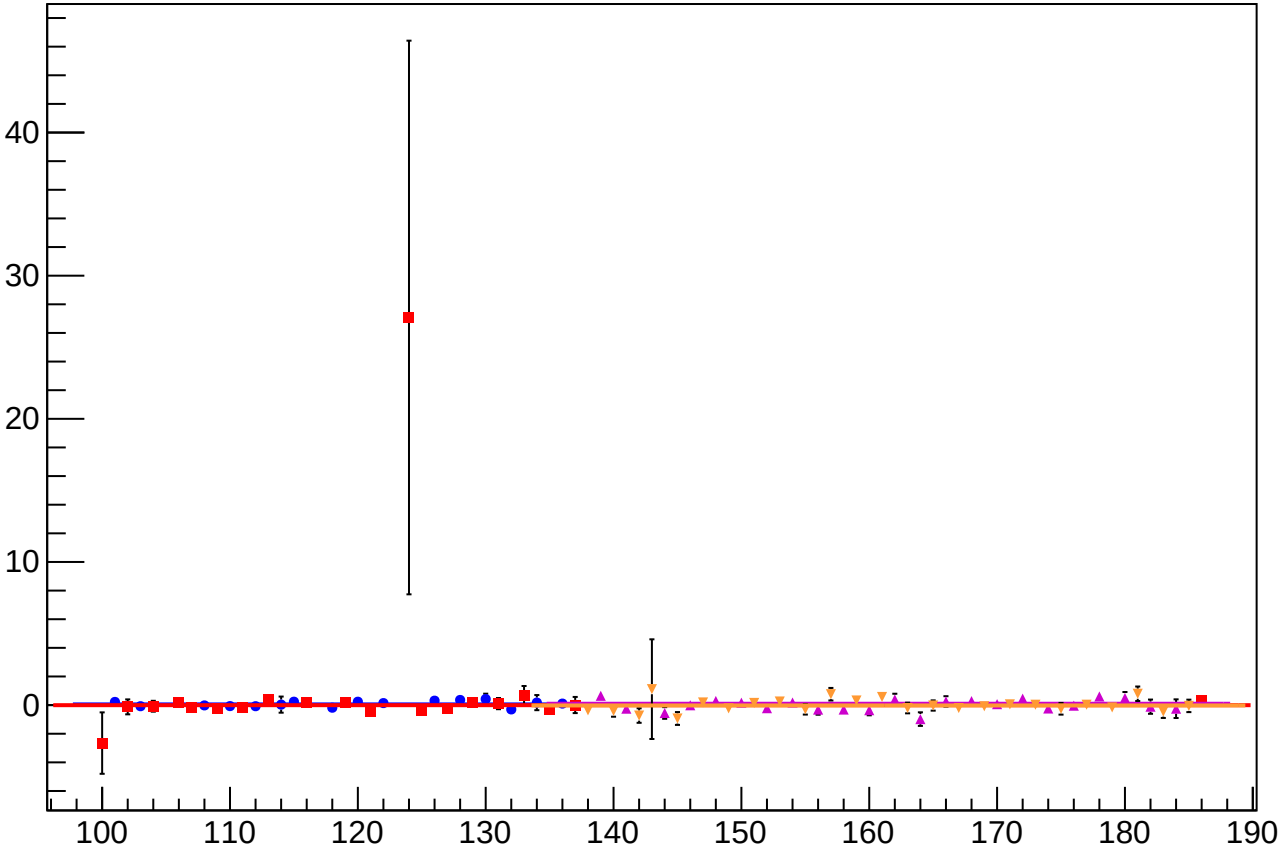
Right: 0.000+/-0.000 χ^2/NDF: 7931735.1/35

In: 0.000+/-0.000 χ^2/NDF:4117859.9/38

Out: 0.000+/-0.000 χ^2/NDF:7519432.0/44

All: 0.000+/-0.000 χ^2/NDF: 11976539.8/83

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-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

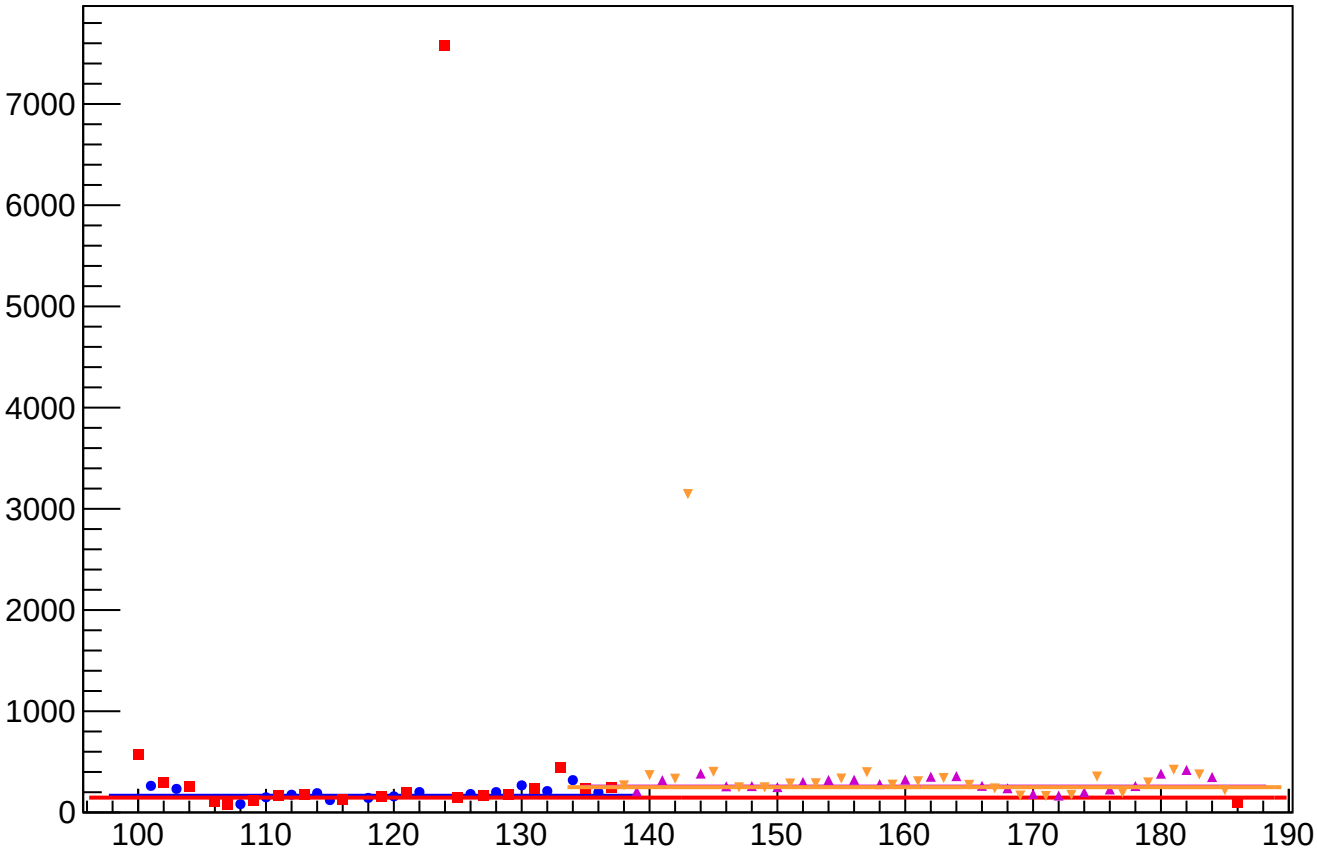
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.019+/-0.044 χ^2/NDF: 32.1/35

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.027+/-0.031 χ^2/NDF: 89.0/83



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

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

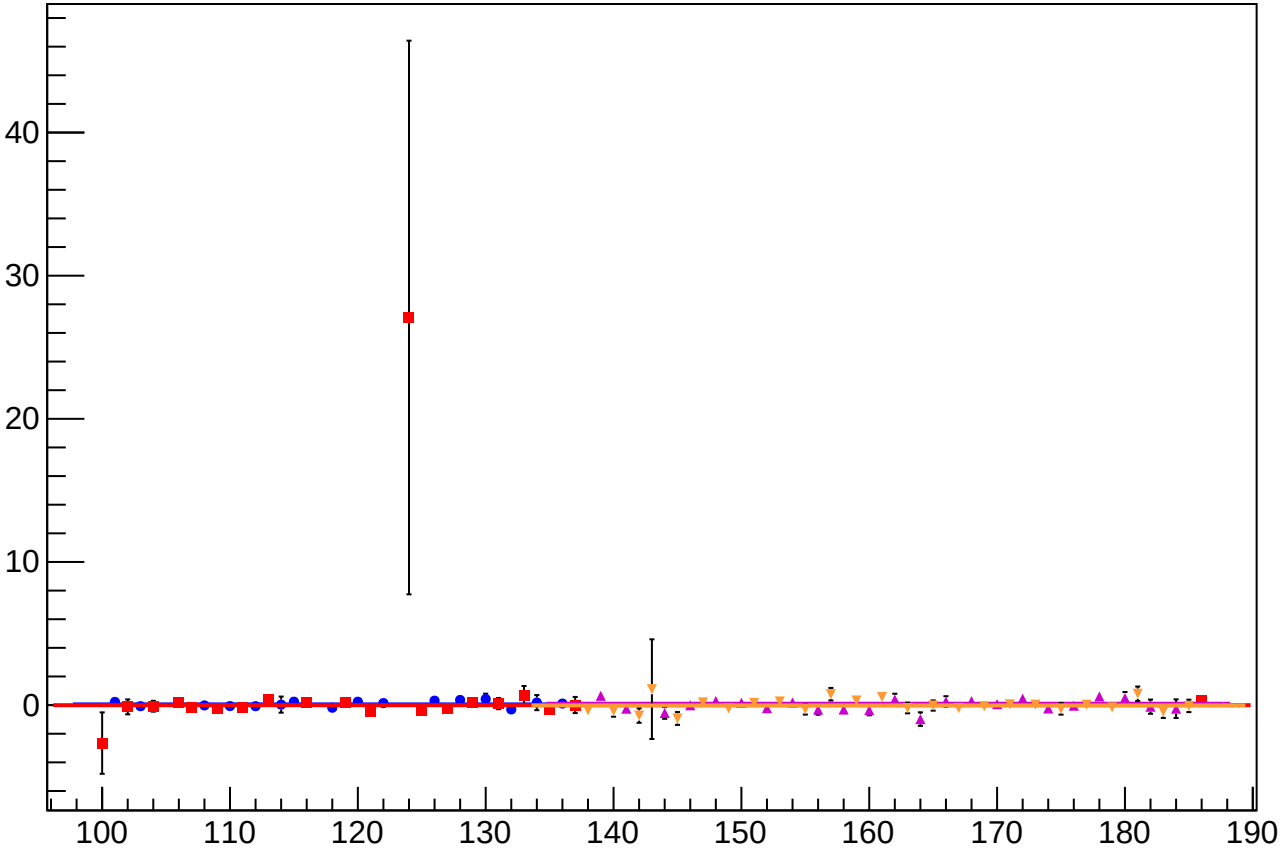
Right: 154.822+/-0.031 χ^2/NDF: 3690950.9/35

In: 212.459+/-0.032 χ^2/NDF:5538515.9/38

Out: 196.771+/-0.030 χ^2/NDF:9252811.0/44

All: 204.126+/-0.022 χ^2/NDF: 14916486.8/83

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-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

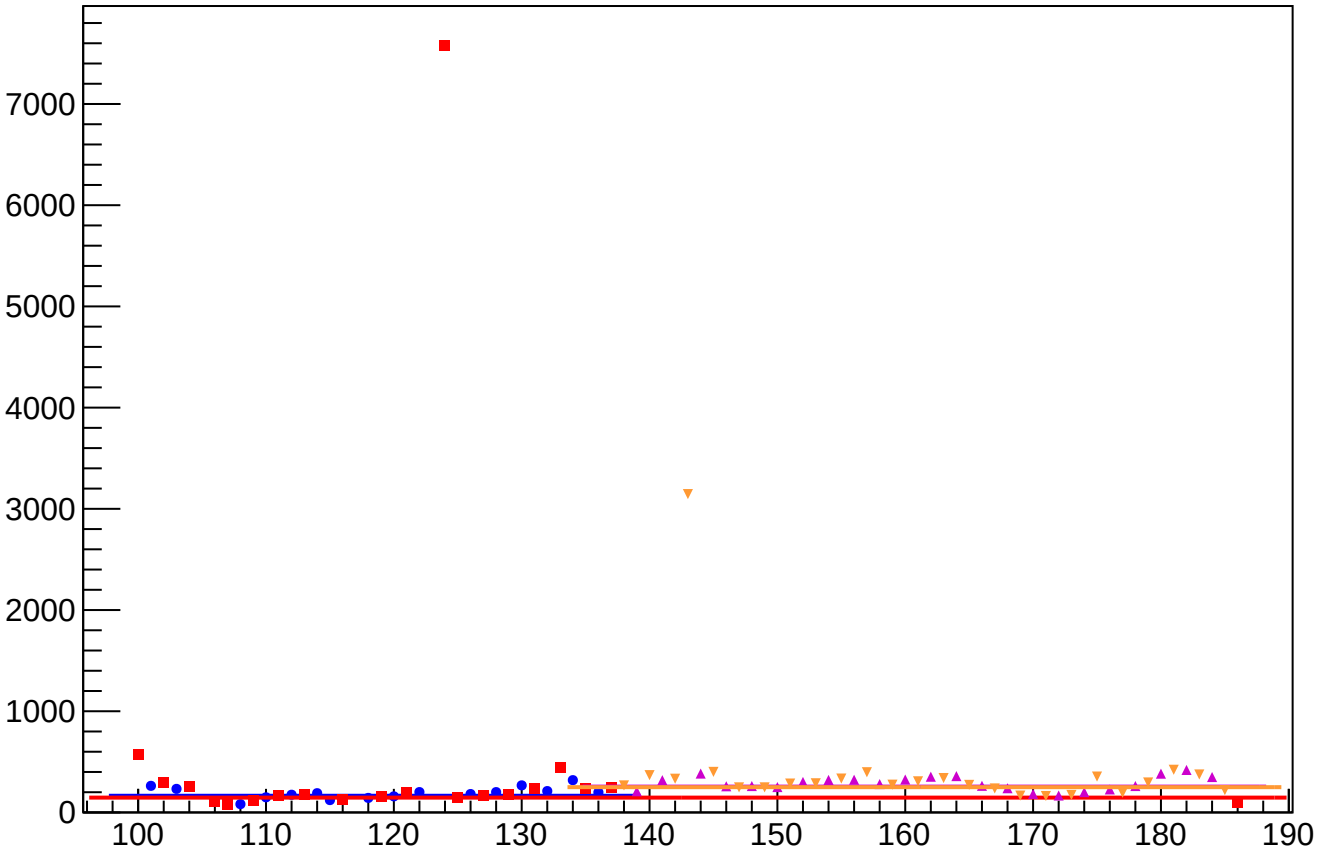
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.019+/-0.044 χ^2/NDF: 32.1/35

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.027+/-0.031 χ^2/NDF: 89.0/83



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

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

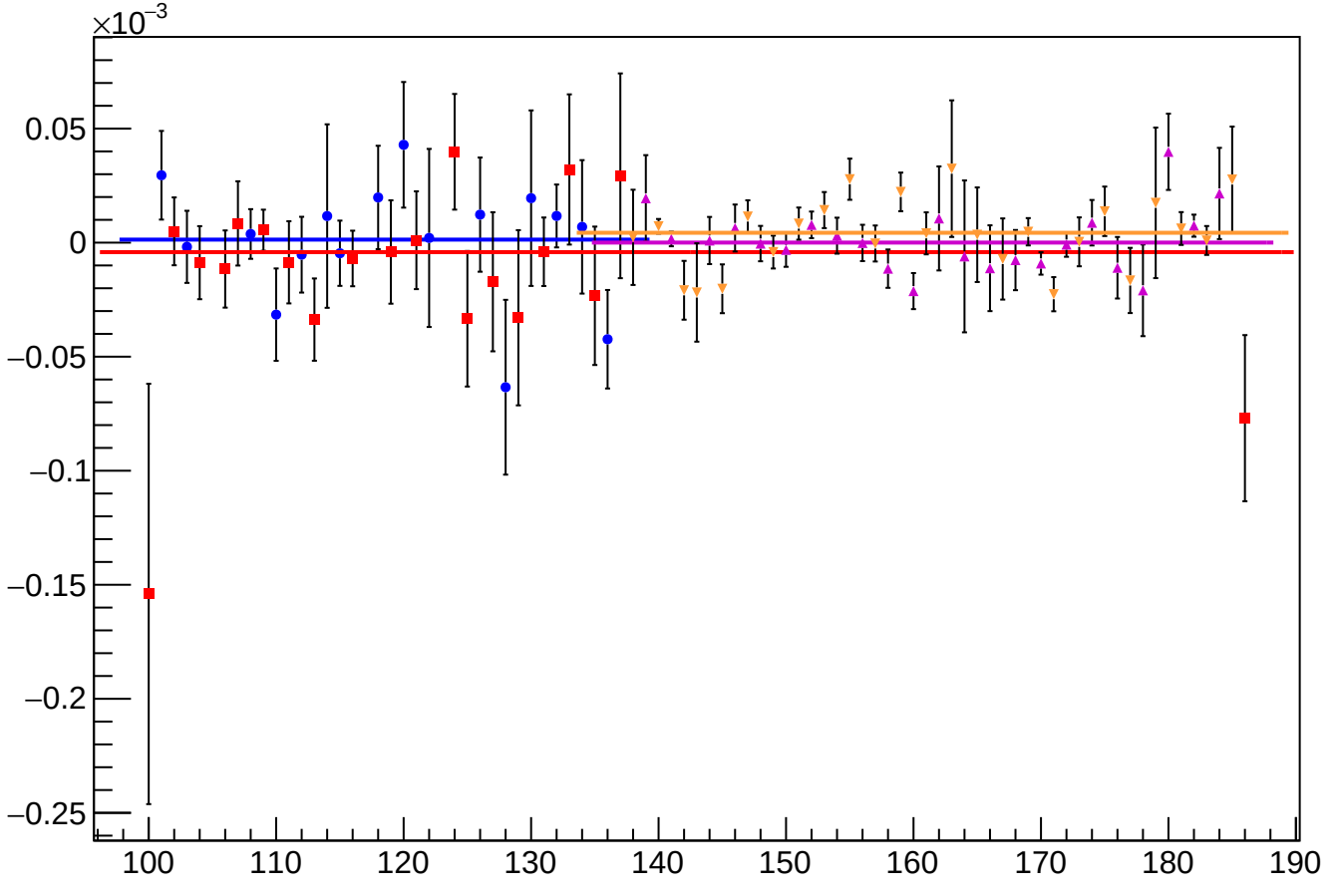
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 154.822+/-0.031 χ^2/NDF: 3690950.9/35

In: 212.459+/-0.032 χ^2/NDF:5538515.9/38

Out: 196.771+/-0.030 χ^2/NDF:9252811.0/44

All: 204.126+/-0.022 χ^2/NDF: 14916486.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

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

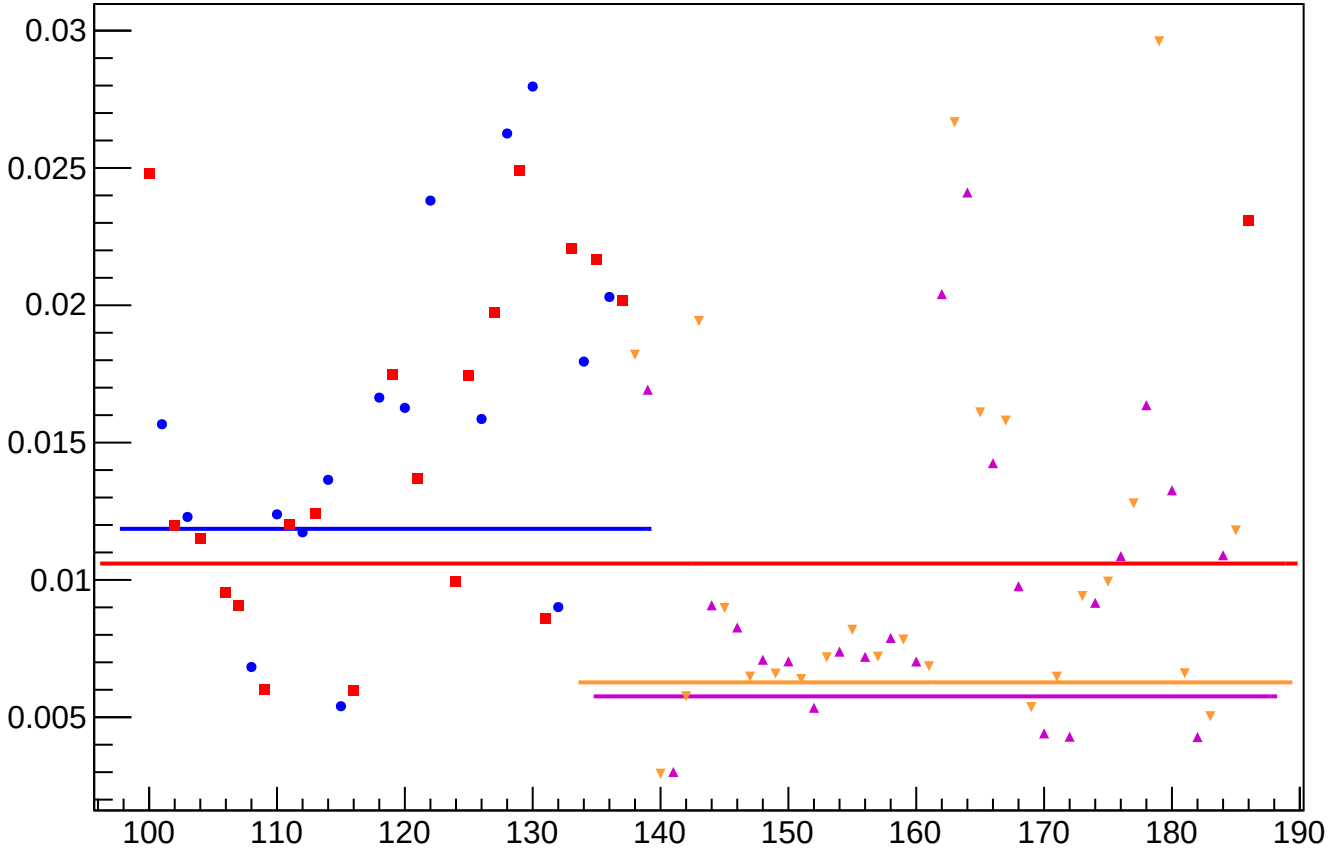
Right: -0.000+/-0.000 χ^2/NDF: 35.5/35

In: 0.000+/-0.000 χ^2/NDF:45.2/38

Out: 0.000+/-0.000 χ^2/NDF:68.2/44

All: 0.000+/-0.000 χ^2/NDF: 115.4/83

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

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

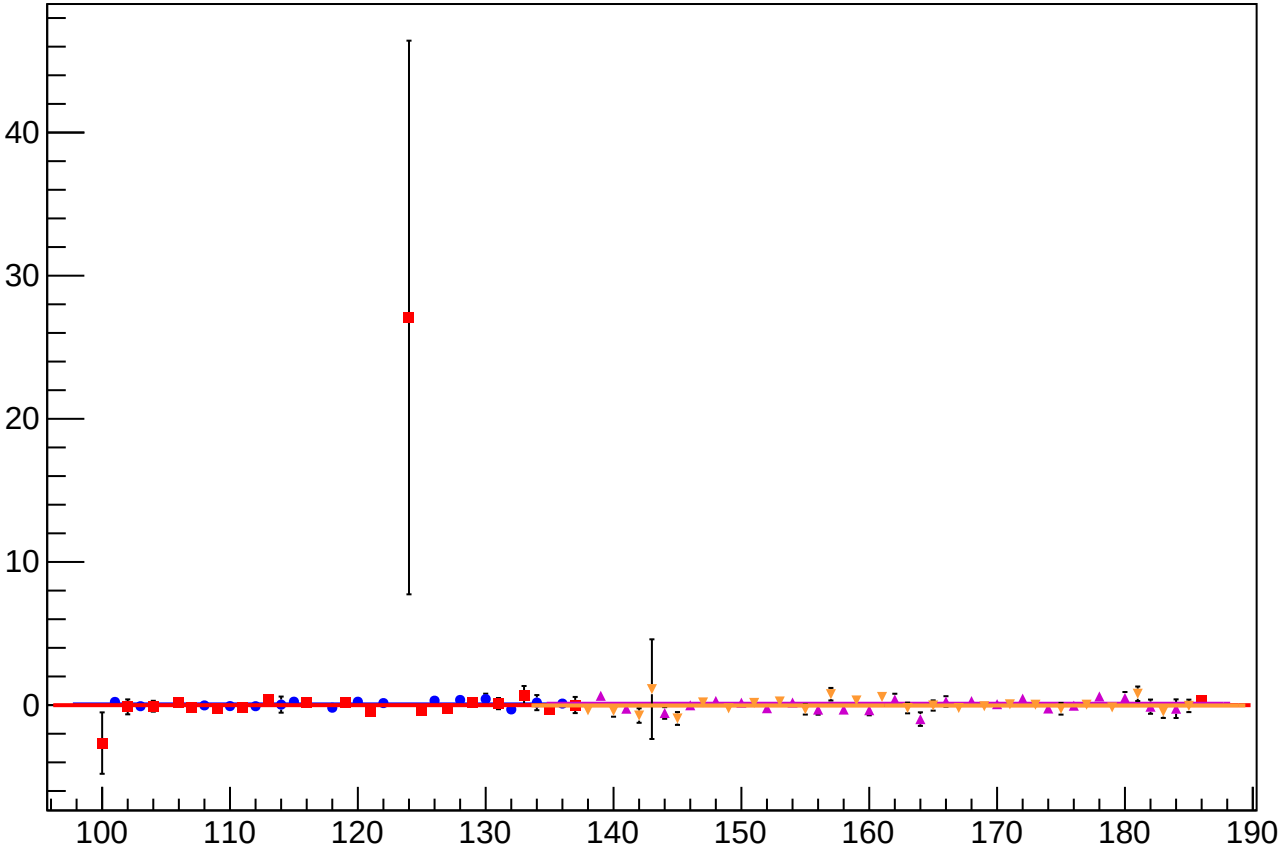
Right: 0.011+/-0.000 χ^2/NDF: 5077809.8/35

In: 0.006+/-0.000 χ^2/NDF:12324261.0/38

Out: 0.007+/-0.000 χ^2/NDF:12334010.6/44

All: 0.007+/-0.000 χ^2/NDF: 24769384.1/83

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-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

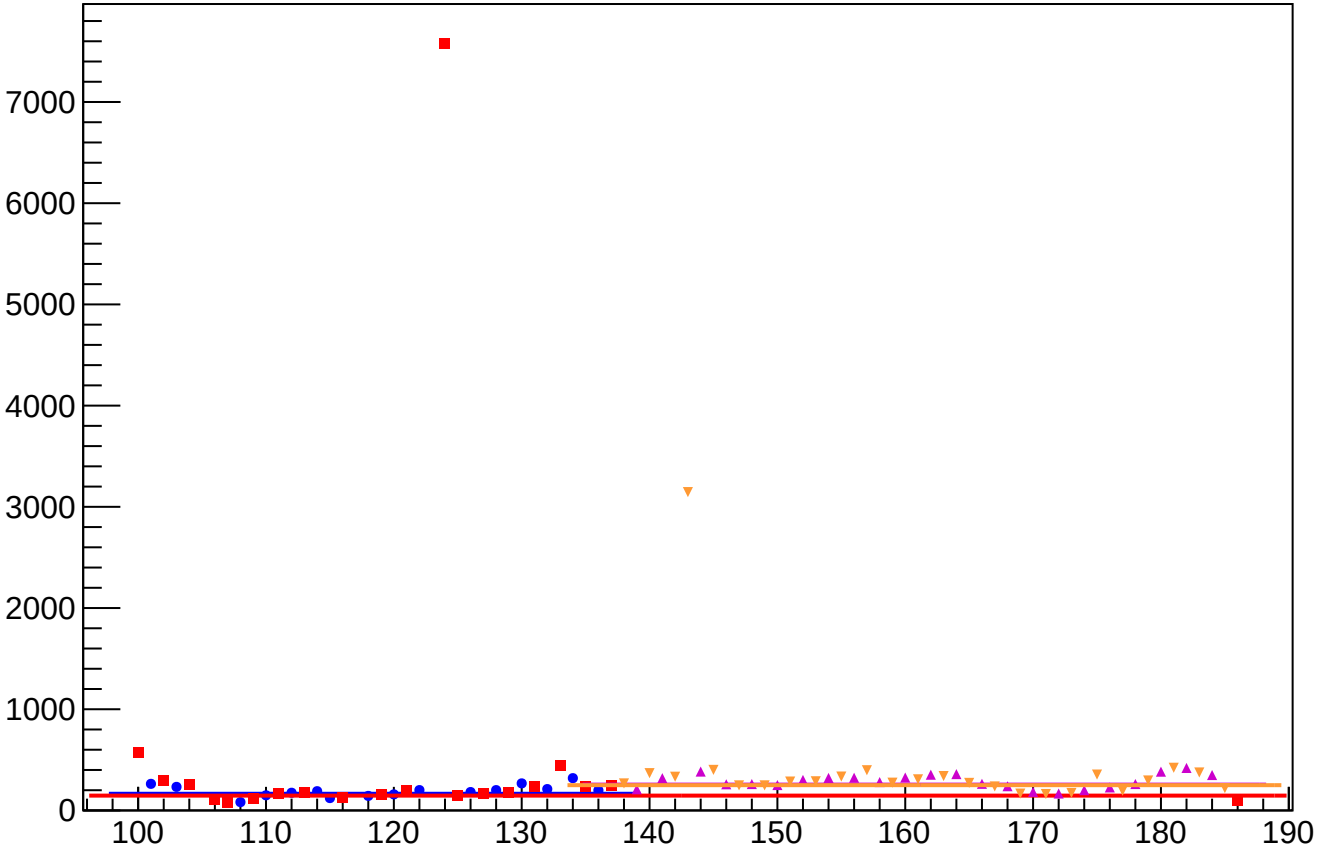
Right: 0.019+/-0.044 χ^2/NDF: 32.1/35

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.027+/-0.031 χ^2/NDF: 89.0/83

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 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

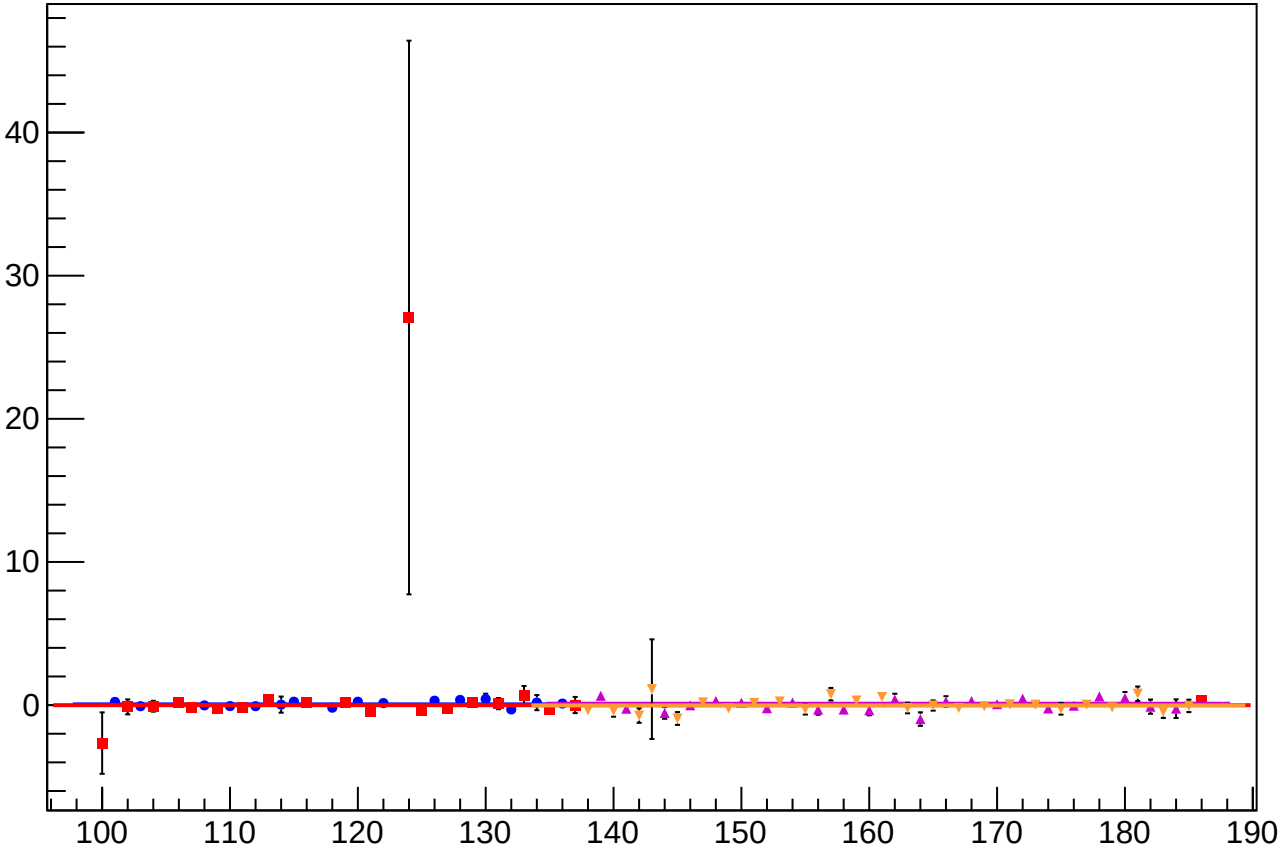
Right: 154.823+/-0.031 χ^2/NDF: 3690884.1/35

In: 212.459+/-0.032 χ^2/NDF:5538622.0/38

Out: 196.772+/-0.030 χ^2/NDF:9252872.5/44

All: 204.127+/-0.022 χ^2/NDF: 14916643.4/83

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.024+/-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

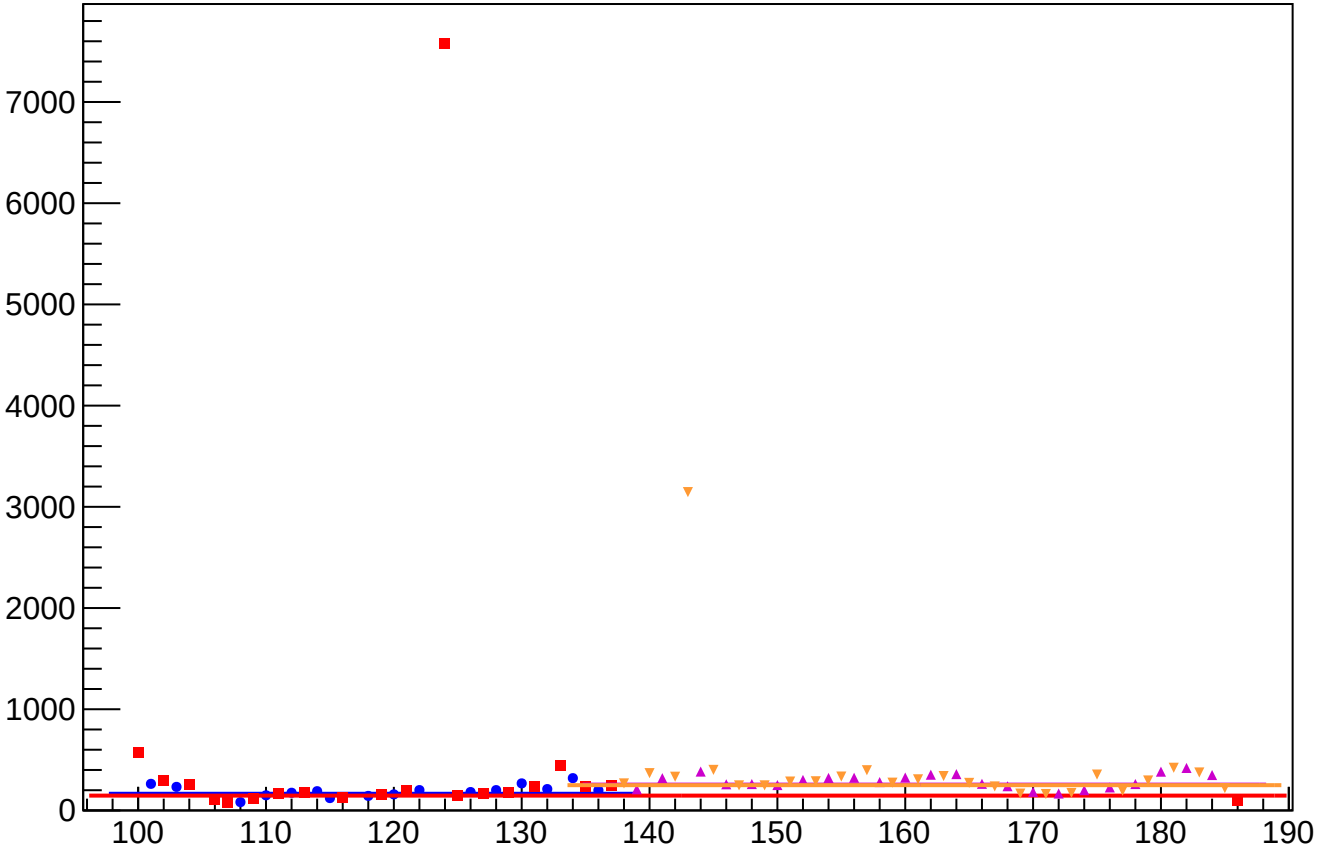
Right: 0.019+/-0.044 χ^2/NDF: 32.1/35

In: 0.073+/-0.046 χ^2/NDF:39.4/38

Out: -0.014+/-0.043 χ^2/NDF:47.7/44

All: 0.027+/-0.031 χ^2/NDF: 89.0/83

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 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

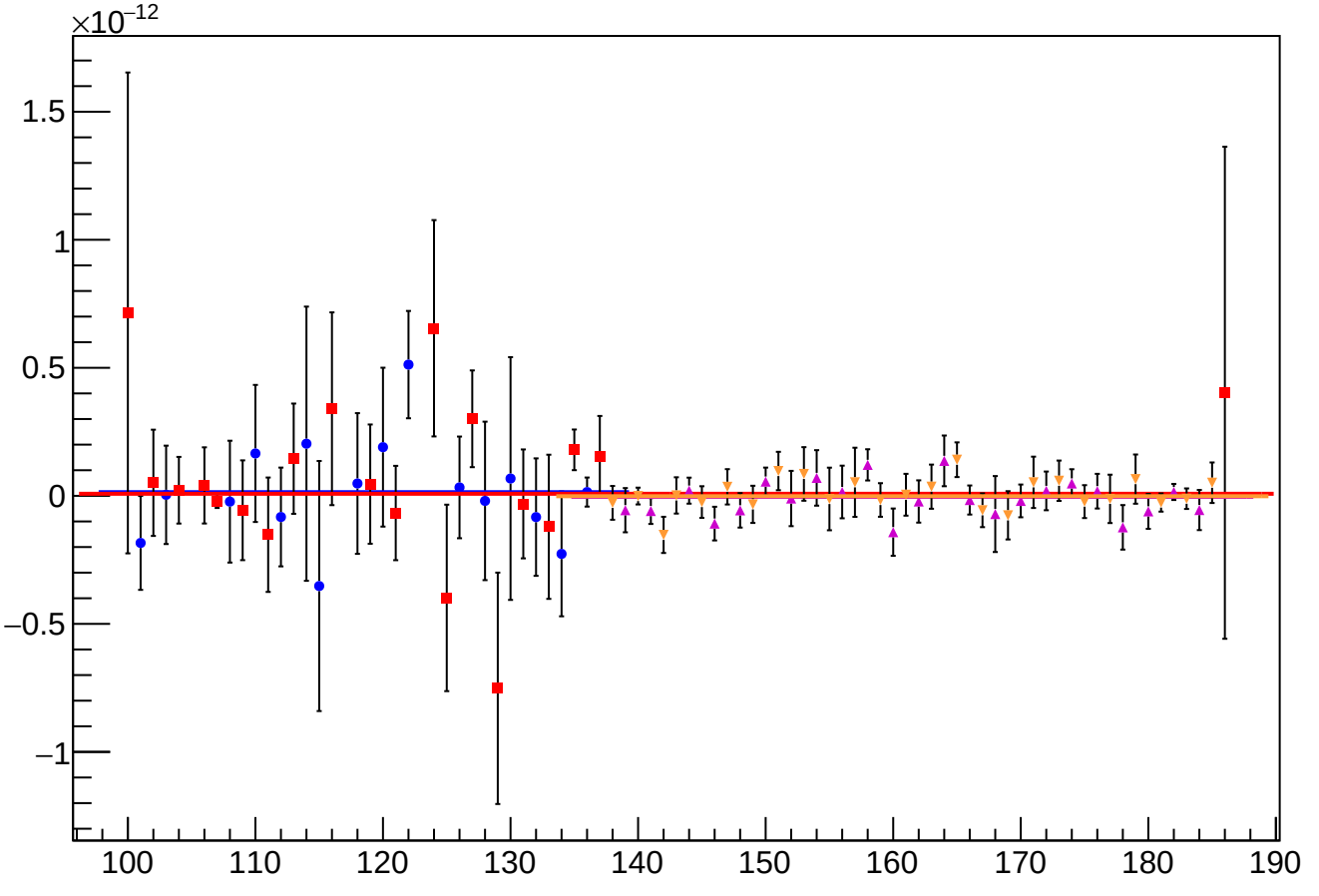
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 154.823+/-0.031 χ^2/NDF: 3690884.1/35

In: 212.459+/-0.032 χ^2/NDF:5538622.0/38

Out: 196.772+/-0.030 χ^2/NDF:9252872.5/44

All: 204.127+/-0.022 χ^2/NDF: 14916643.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

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

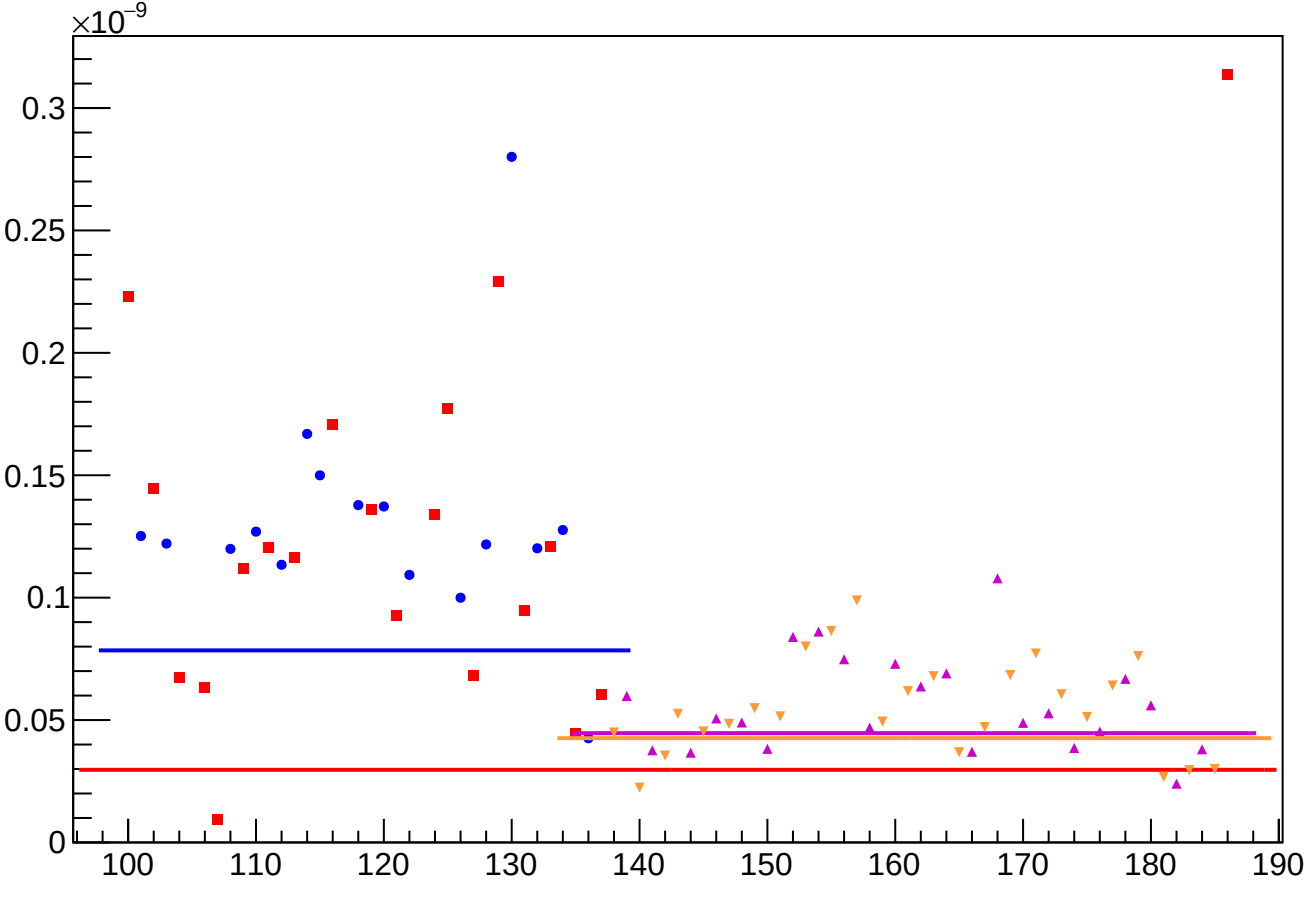
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 28.2/35

In: -0.000+/-0.000 χ^2/NDF:29.7/38

Out: 0.000+/-0.000 χ^2/NDF:35.0/44

All: -0.000+/-0.000 χ^2/NDF: 64.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5662029.4/19

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

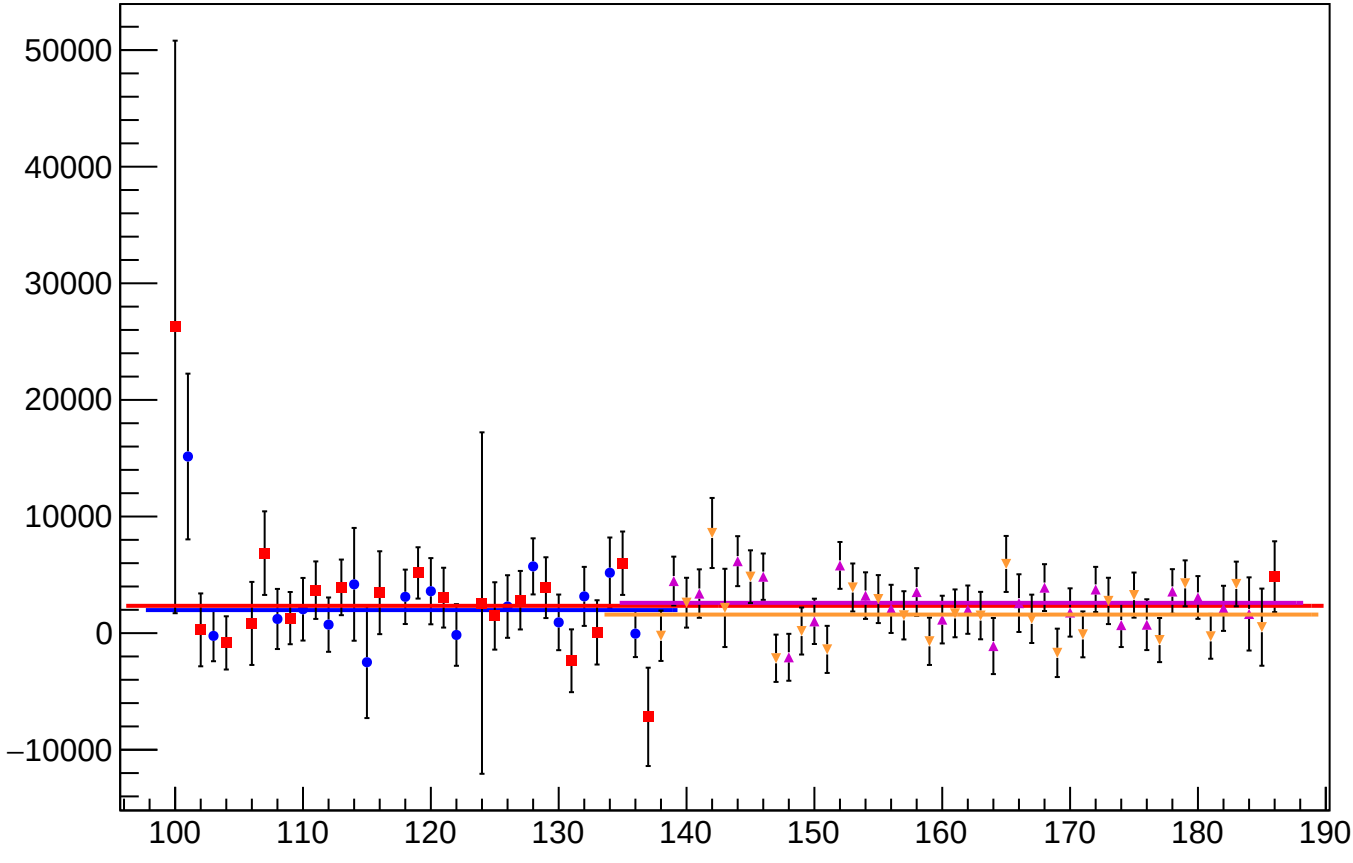
Right: 0.000+/-0.000 χ^2/NDF: 9812686.3/35

In: 0.000+/-0.000 χ^2/NDF:6128127.7/38

Out: 0.000+/-0.000 χ^2/NDF:9791806.8/44

All: 0.000+/-0.000 χ^2/NDF: 16389346.9/83

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

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

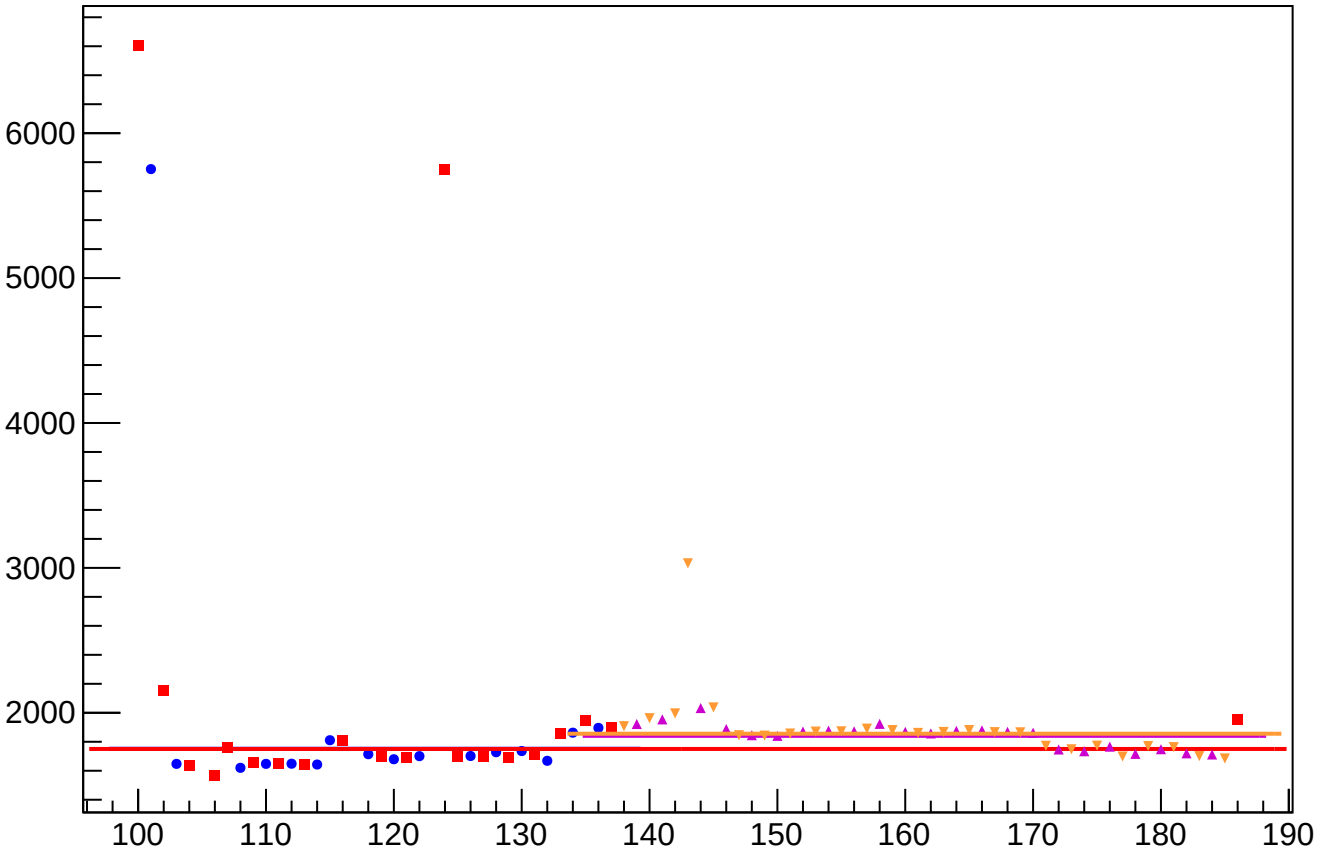
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2166.866+/-462.592 χ^2/NDF: 32.0/35

In: 2415.389+/-361.694 χ^2/NDF:32.8/38

Out: 1820.062+/-353.310 χ^2/NDF:51.9/44

All: 2110.745+/-252.740 χ^2/NDF: 86.1/83



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

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

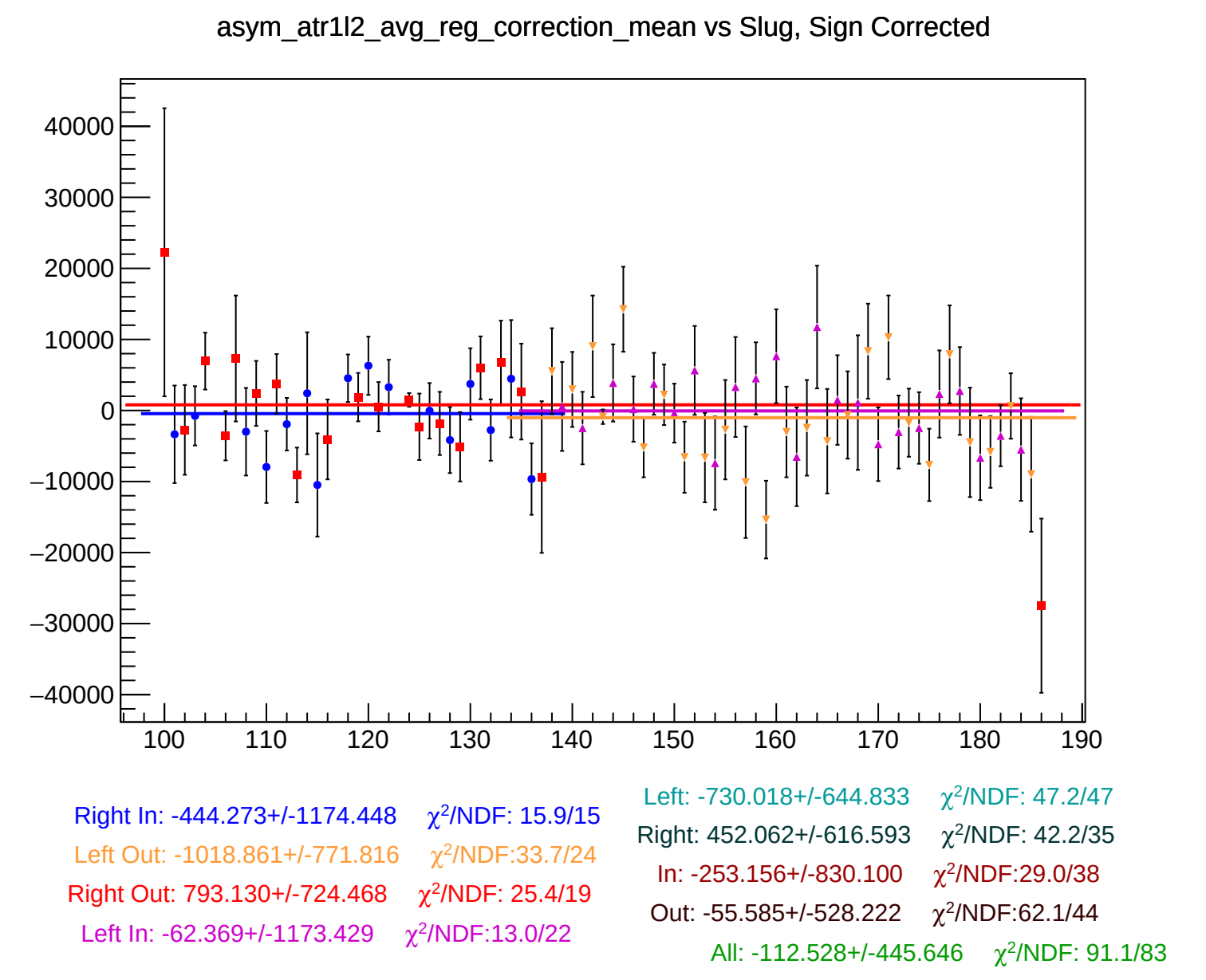
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

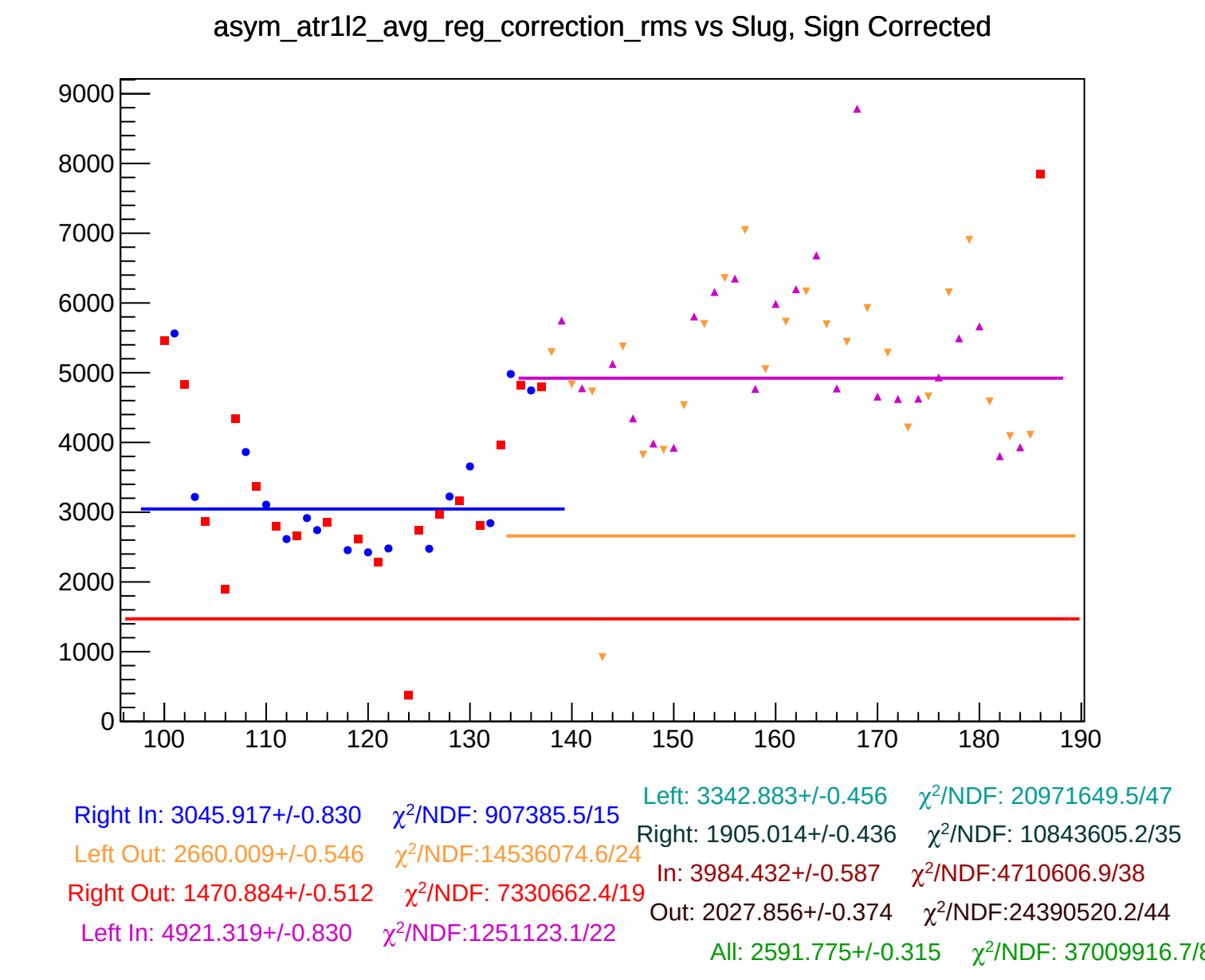
Right: 1750.987+/-0.326 χ^2/NDF: 984720.9/35

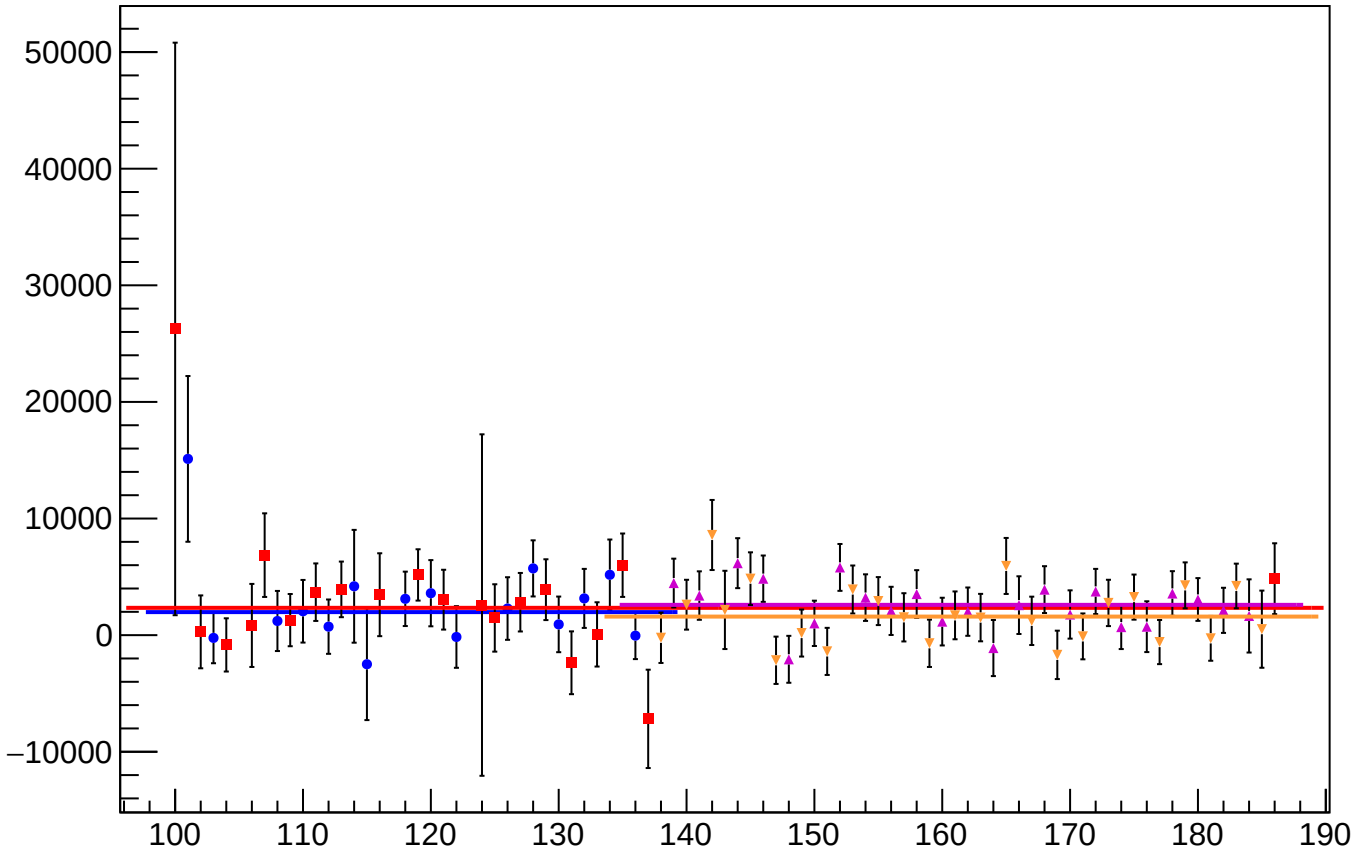
In: 1814.756+/-0.256 χ^2/NDF:766955.6/38

Out: 1823.353+/-0.249 χ^2/NDF:676129.8/44

All: 1819.164+/-0.179 χ^2/NDF: 1443664.7/83


asym_atr1l2_avg_reg_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: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -1018.861+/-771.816 χ²/NDF:33.7/24
Right Out: 793.130+/-724.468 χ²/NDF: 25.4/19
Left In: -62.369+/-1173.429 χ²/NDF:13.0/22
Left: -730.018+/-644.833 χ²/NDF: 47.2/47
Right: 452.062+/-616.593 χ²/NDF: 42.2/35
In: -253.156+/-830.100 χ²/NDF:29.0/38
Out: -55.585+/-528.222 χ²/NDF:62.1/44
All: -112.528+/-445.646 χ²/NDF: 91.1/83


asym_atr1l2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 3045.917+/-0.830 χ²/NDF: 907385.5/15
Left Out: 2660.009+/-0.546 χ²/NDF:14536074.6/24
Right Out: 1470.884+/-0.512 χ²/NDF: 7330662.4/19
Left In: 4921.319+/-0.830 χ²/NDF:1251123.1/22
Left: 3342.883+/-0.456 χ²/NDF: 20971649.5/47
Right: 1905.014+/-0.436 χ²/NDF: 10843605.2/35
In: 3984.432+/-0.587 χ²/NDF:4710606.9/38
Out: 2027.856+/-0.374 χ²/NDF:24390520.2/44
All: 2591.775+/-0.315 χ²/NDF: 37009916.7/8



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

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

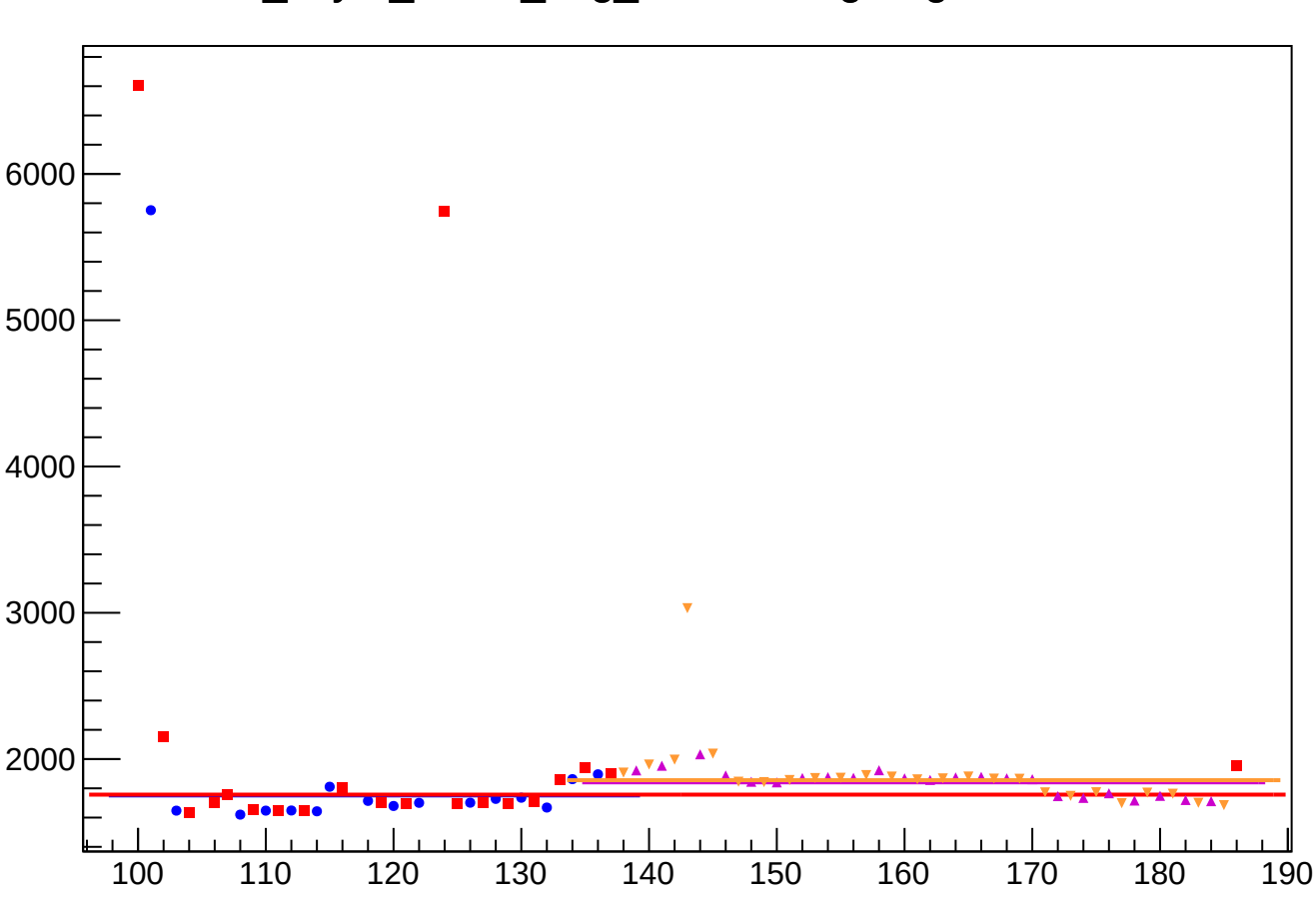
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2166.742+/-462.592 χ^2/NDF: 31.9/35

In: 2415.336+/-361.694 χ^2/NDF:32.8/38

Out: 1820.065+/-353.310 χ^2/NDF:51.9/44

All: 2110.721+/-252.740 χ^2/NDF: 86.1/83



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

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

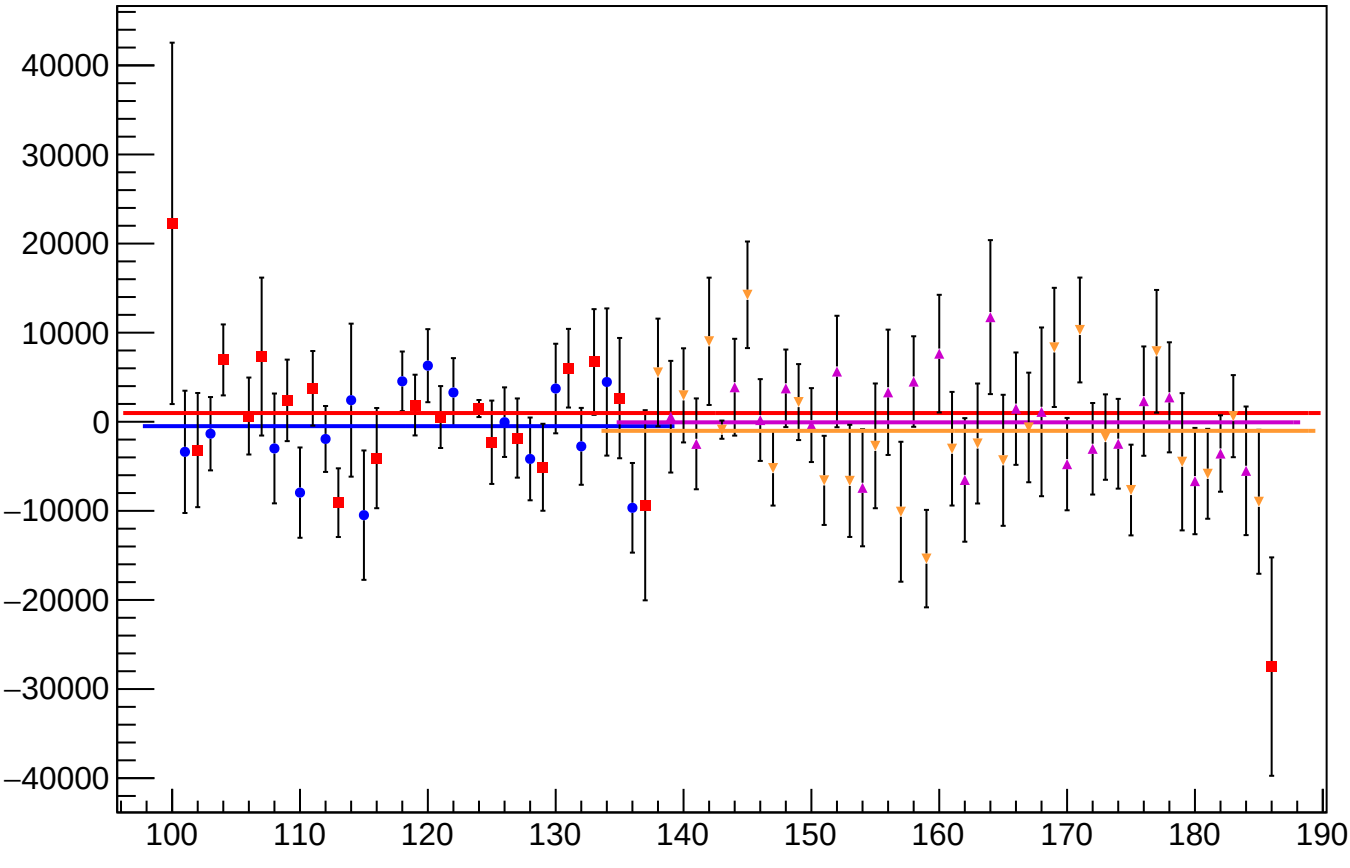
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1754.381+/-0.326 χ^2/NDF: 977458.4/35

In: 1814.756+/-0.256 χ^2/NDF:766956.0/38

Out: 1825.489+/-0.250 χ^2/NDF:664114.4/44

All: 1820.254+/-0.179 χ^2/NDF: 1431972.7/83



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

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

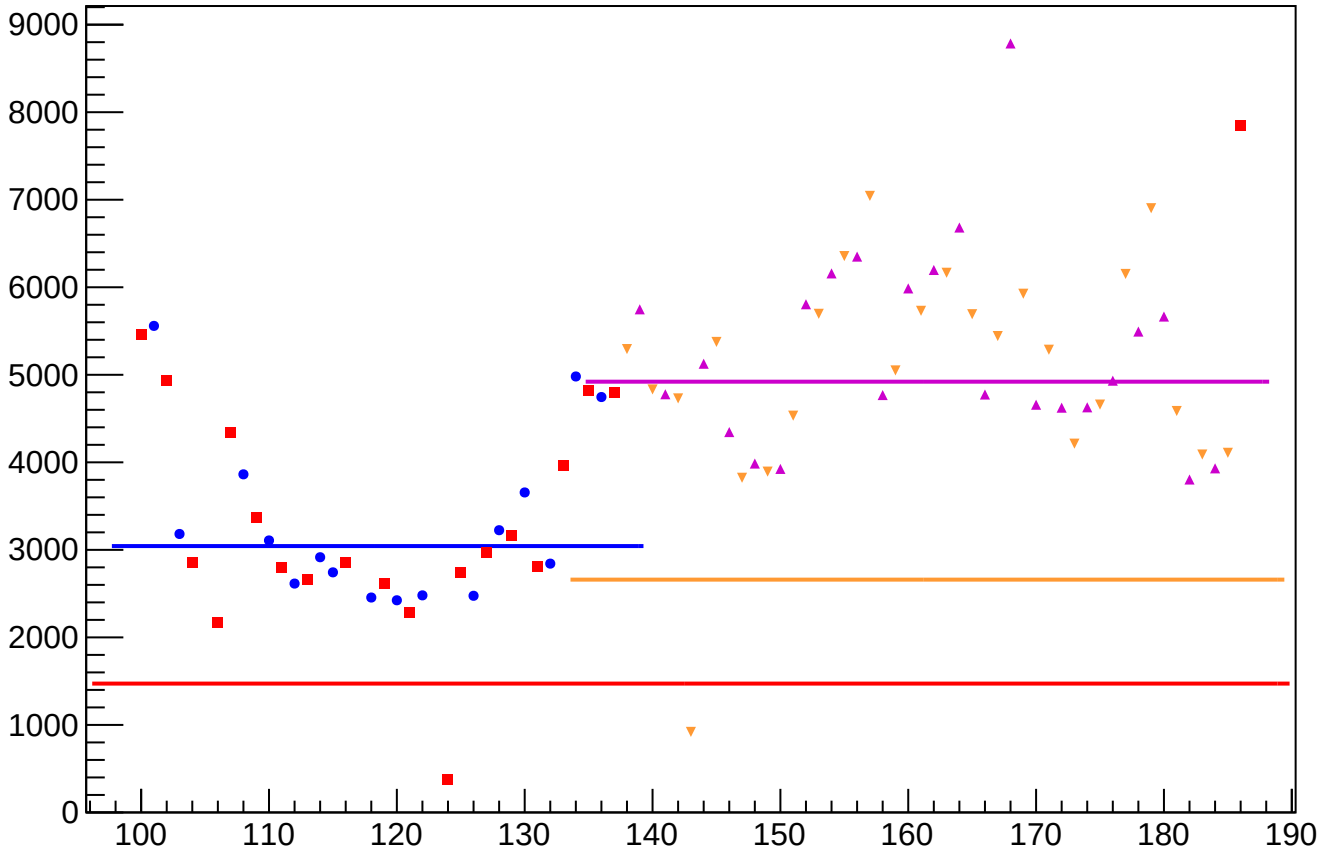
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 568.488+/-619.912 χ^2/NDF: 41.0/35

In: -277.636+/-829.672 χ^2/NDF:29.1/38

Out: 35.793+/-530.410 χ^2/NDF:61.2/44

All: -55.142+/-446.891 χ^2/NDF: 90.3/83



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

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

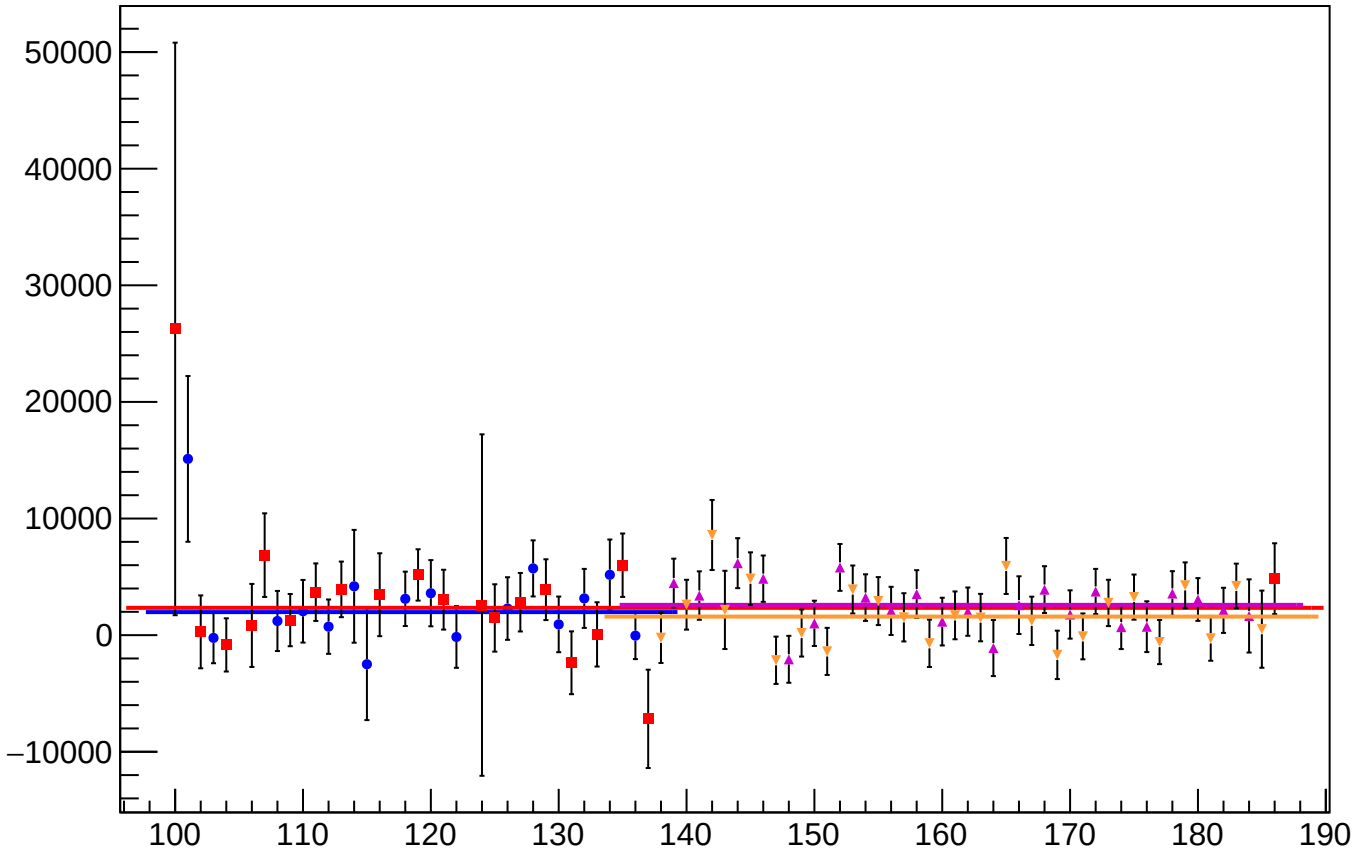
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1910.836+/-0.438 χ^2/NDF: 10859891.9/35

In: 3982.141+/-0.587 χ^2/NDF:4718731.2/38

Out: 2033.167+/-0.375 χ^2/NDF:24405303.8/44

All: 2598.620+/-0.316 χ^2/NDF: 36958482.7/8



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

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

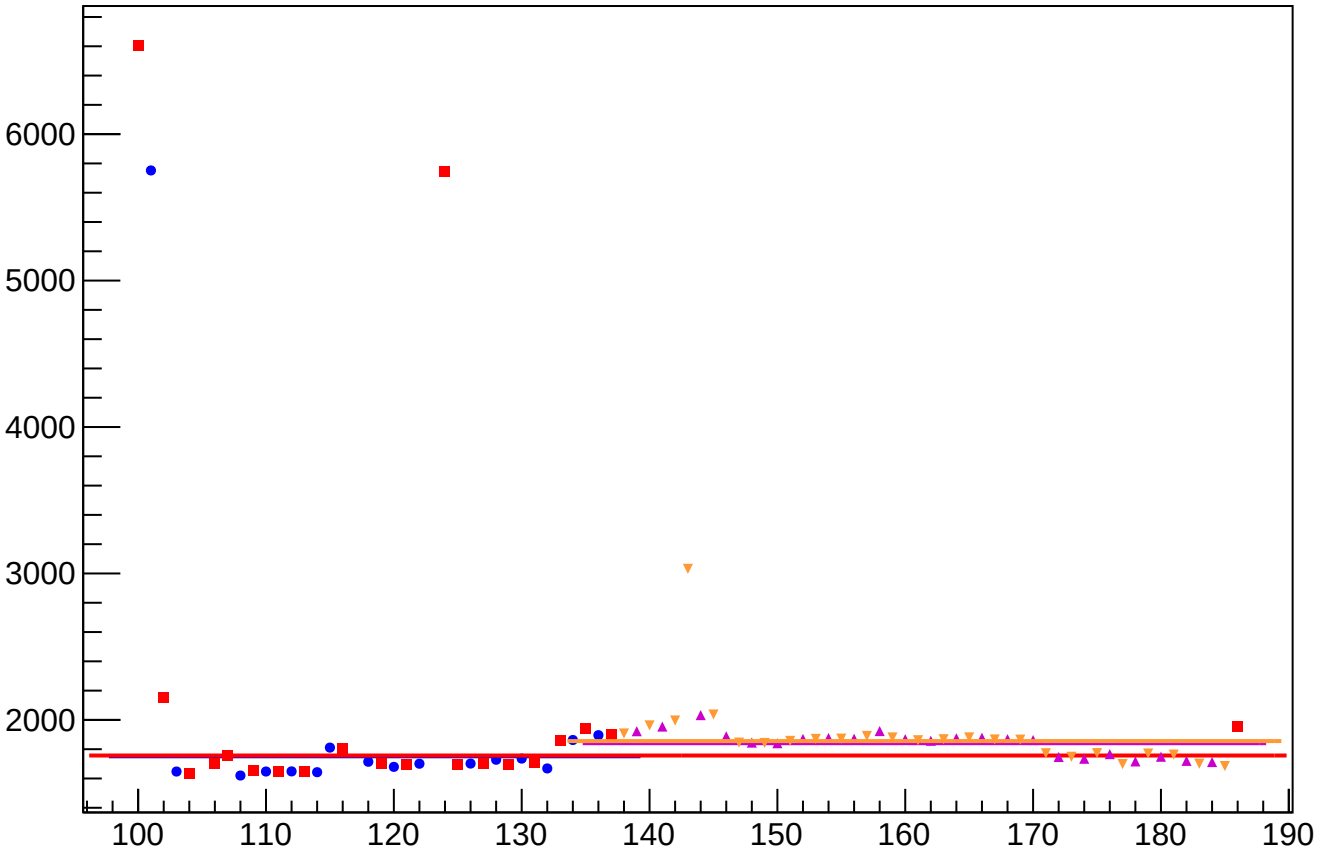
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2166.742+/-462.592 χ^2/NDF: 31.9/35

In: 2415.336+/-361.694 χ^2/NDF:32.8/38

Out: 1820.065+/-353.310 χ^2/NDF:51.9/44

All: 2110.721+/-252.740 χ^2/NDF: 86.1/83



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

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

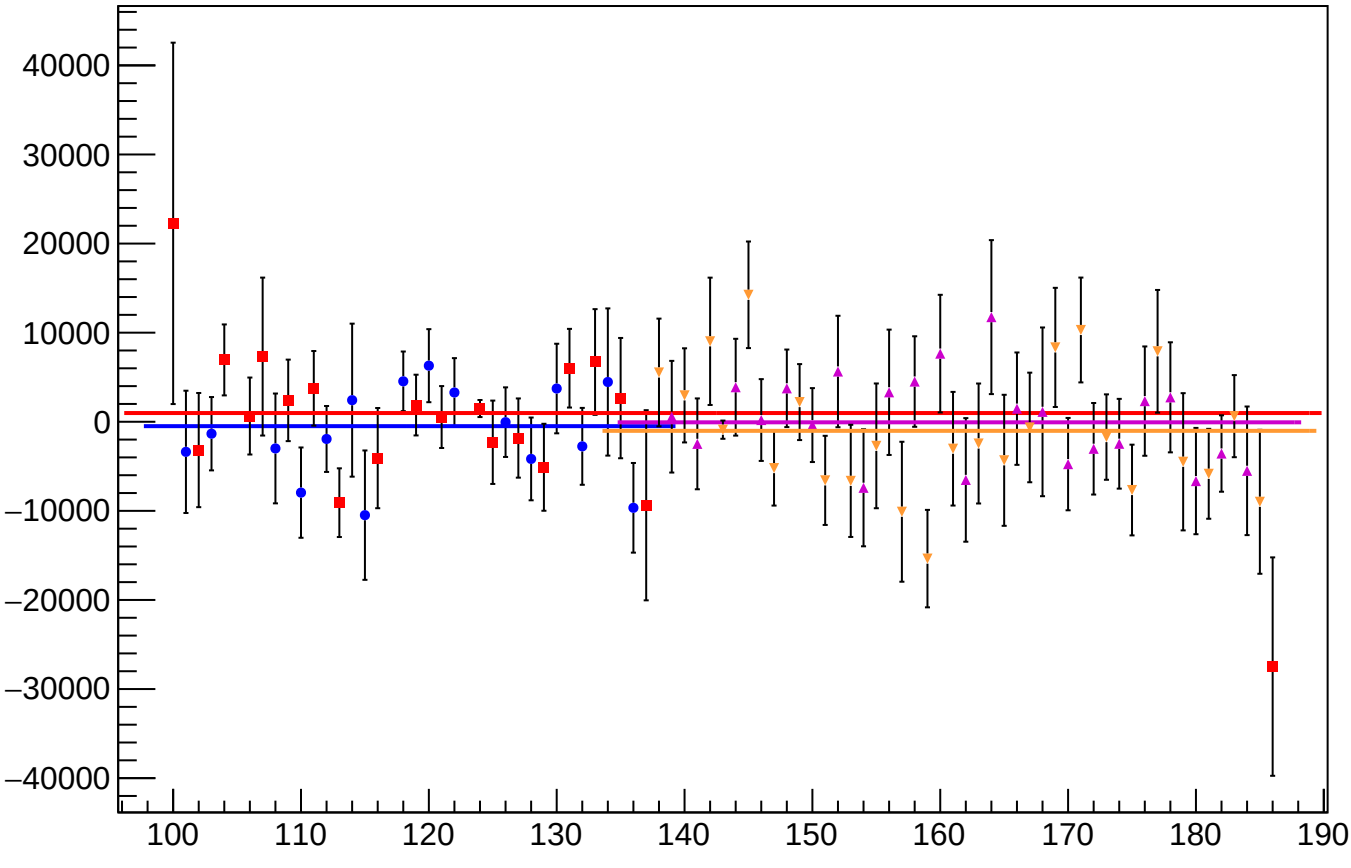
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1754.381+/-0.326 χ^2/NDF: 977458.4/35

In: 1814.756+/-0.256 χ^2/NDF:766956.0/38

Out: 1825.489+/-0.250 χ^2/NDF:664114.4/44

All: 1820.254+/-0.179 χ^2/NDF: 1431972.7/83



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

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

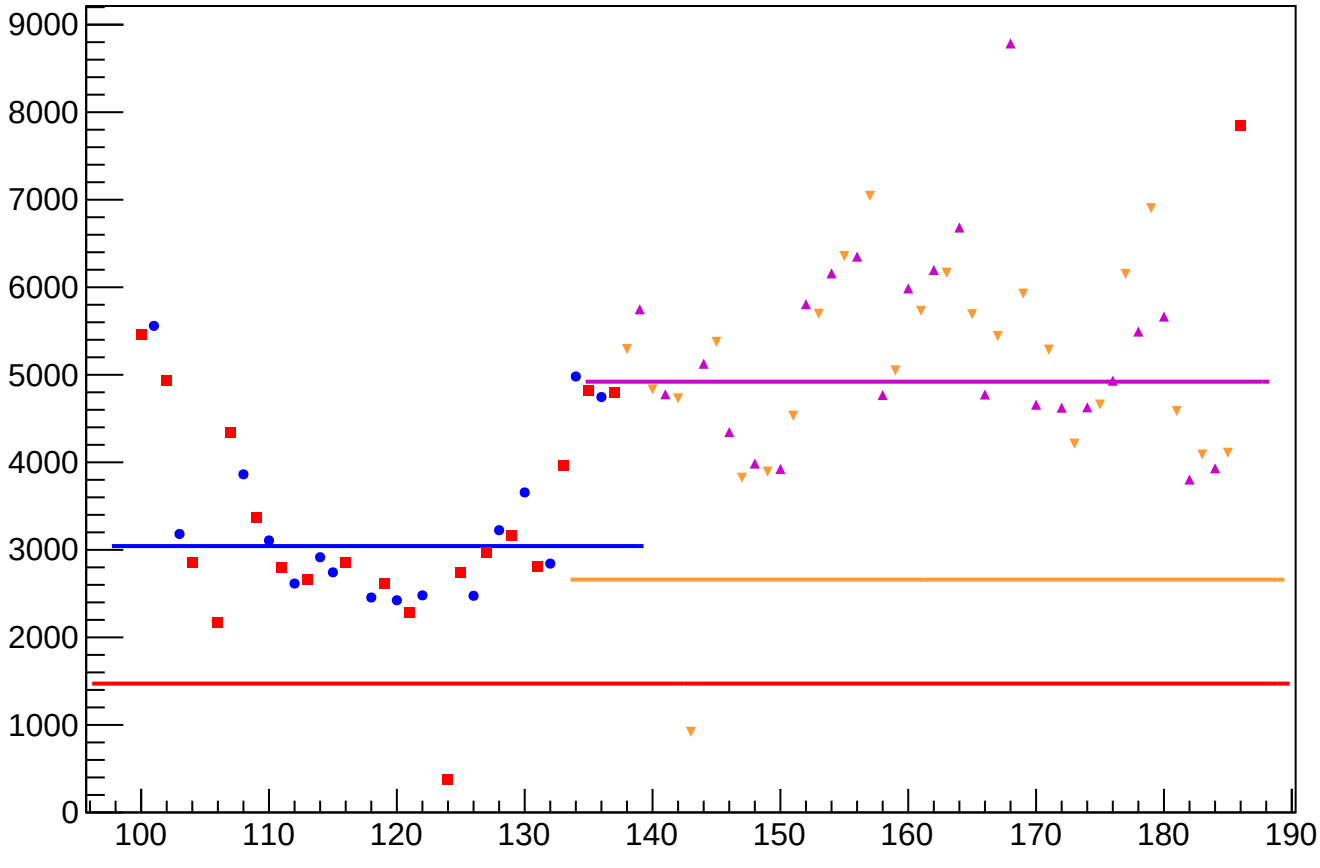
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 568.488+/-619.912 χ^2/NDF: 41.0/35

In: -277.636+/-829.672 χ^2/NDF:29.1/38

Out: 35.793+/-530.410 χ^2/NDF:61.2/44

All: -55.142+/-446.891 χ^2/NDF: 90.3/83



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

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

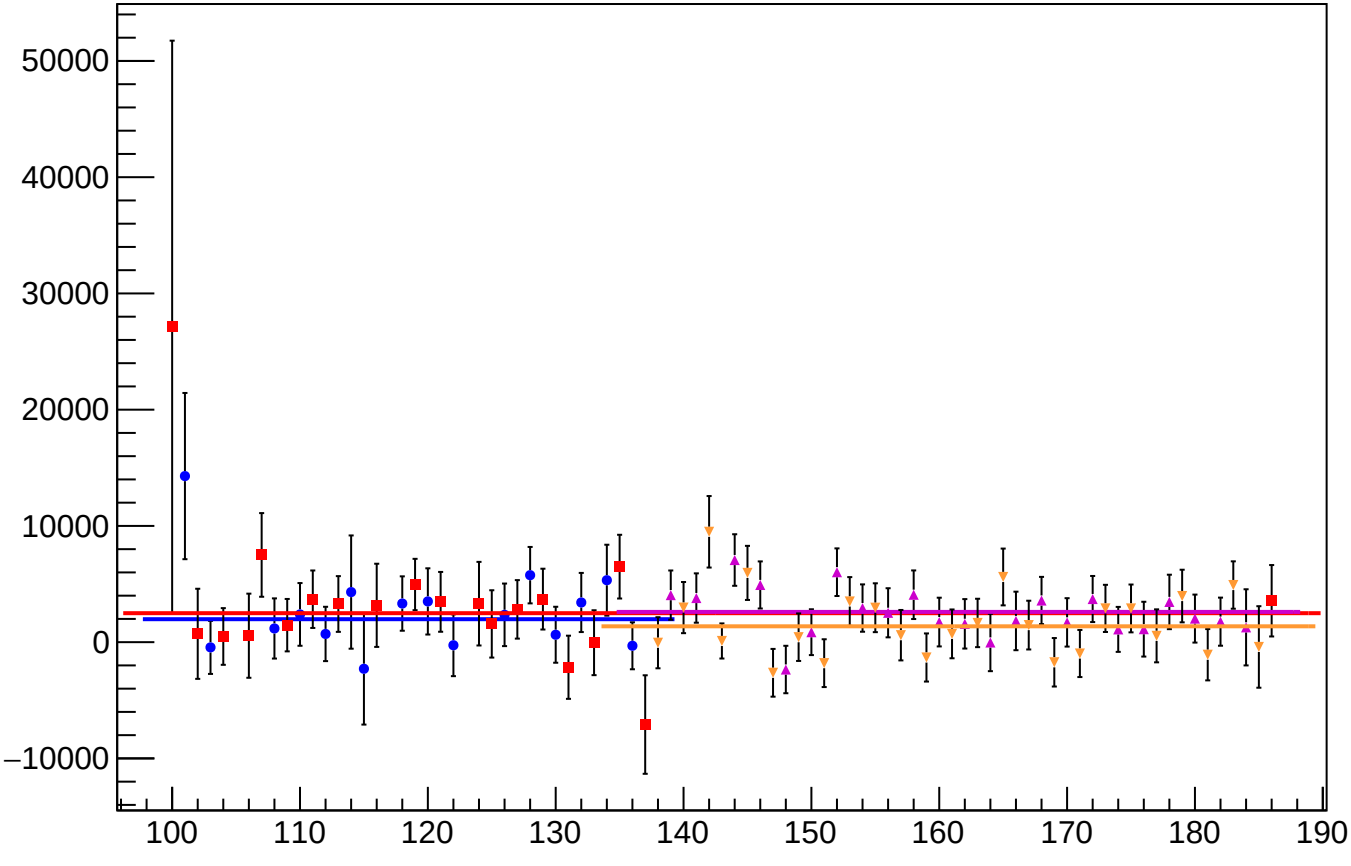
Right: 1910.836+/-0.438 χ^2/NDF: 10859891.9/35

In: 3982.141+/-0.587 χ^2/NDF:4718731.2/38

Out: 2033.167+/-0.375 χ^2/NDF:24405303.8/44

All: 2598.620+/-0.316 χ^2/NDF: 36958482.7/8

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

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

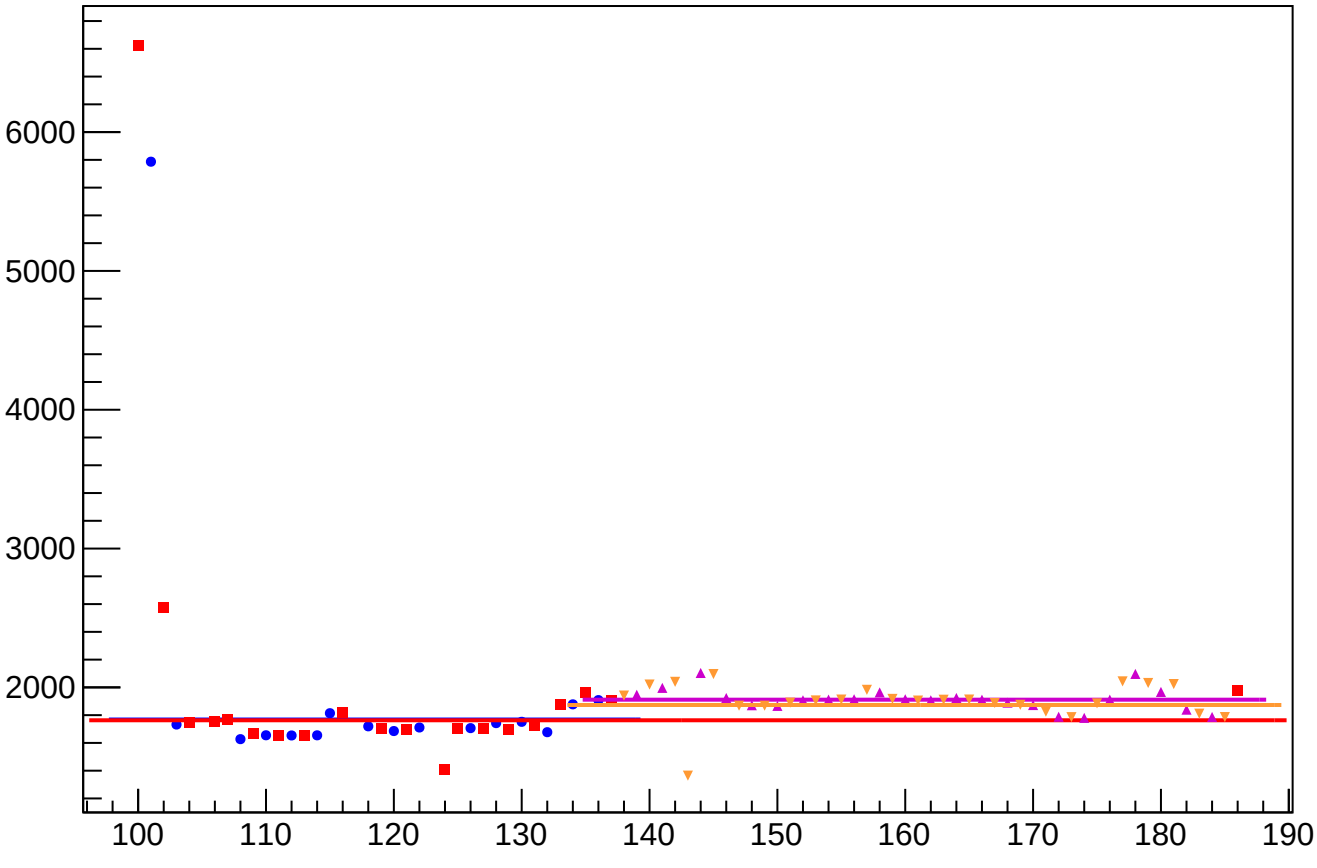
Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

Right: 2246.654+/-465.313 χ^2/NDF: 30.3/35

In: 2411.479+/-372.385 χ^2/NDF:33.1/38

Out: 1709.782+/-355.921 χ^2/NDF:55.9/44

All: 2044.776+/-257.298 χ^2/NDF: 90.8/83



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

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

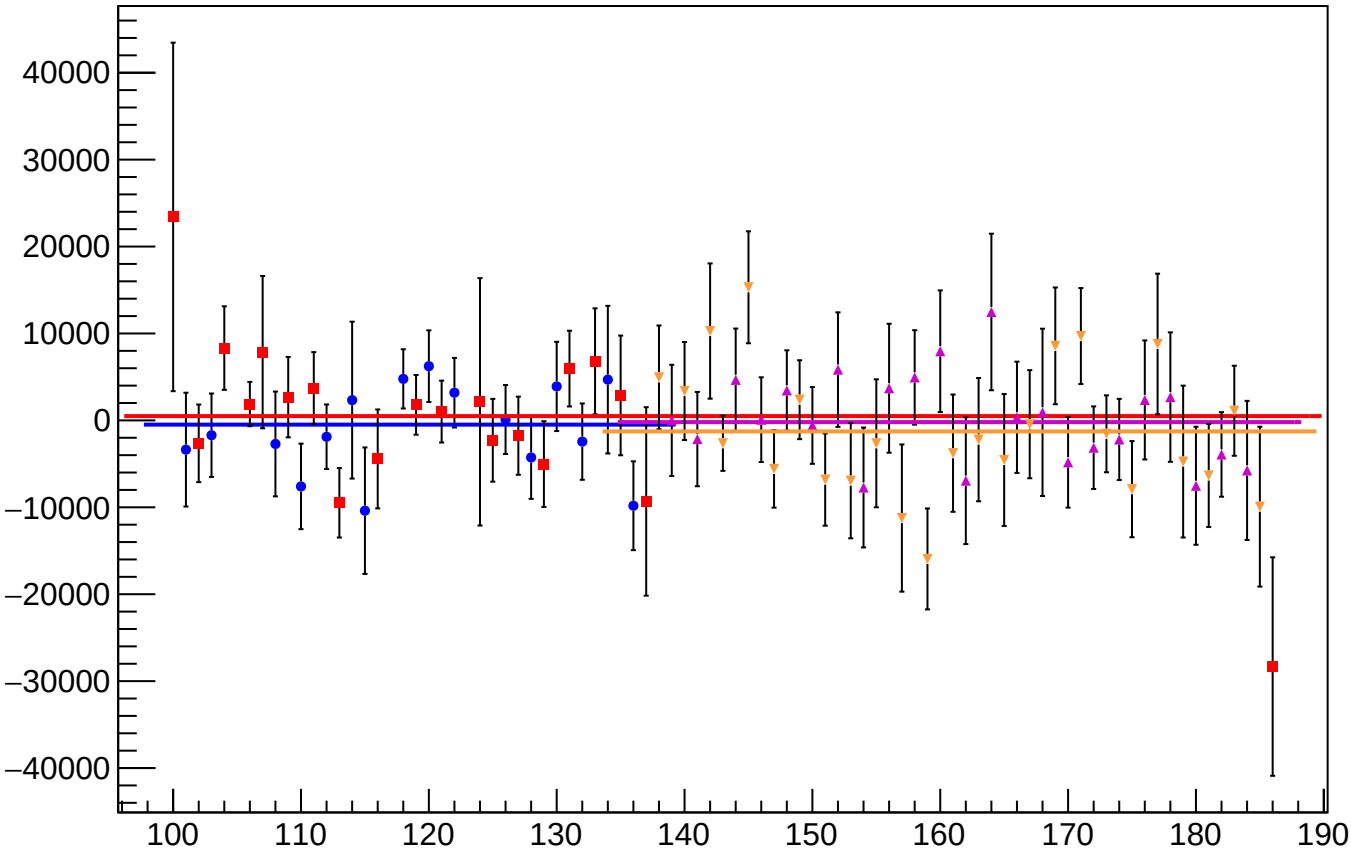
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1765.656+/-0.329 χ^2/NDF: 896364.2/35

In: 1867.800+/-0.263 χ^2/NDF:788995.8/38

Out: 1839.342+/-0.251 χ^2/NDF:579455.1/44

All: 1852.917+/-0.182 χ^2/NDF: 1374559.5/83



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

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

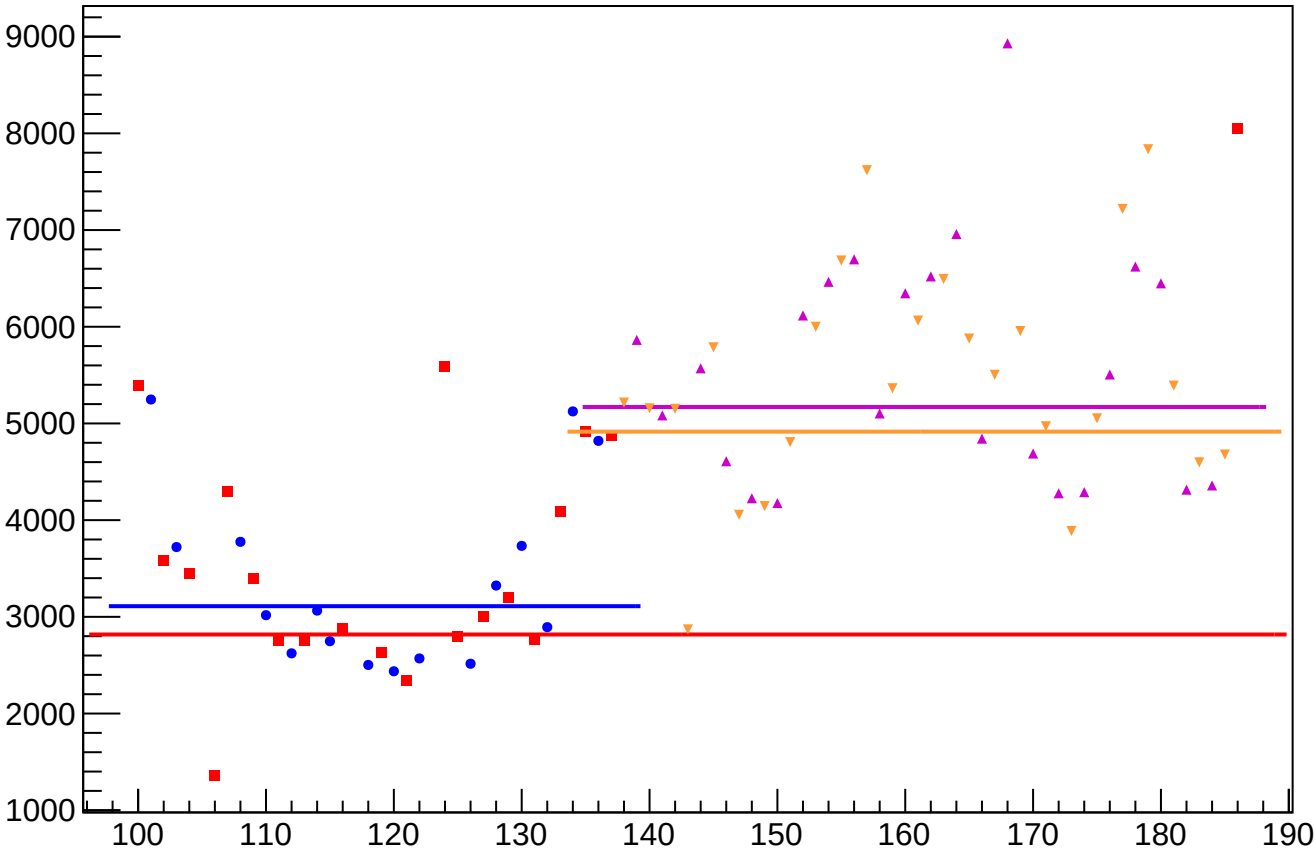
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: 60.777+/-796.360 χ^2/NDF: 40.3/35

In: -346.822+/-859.928 χ^2/NDF:28.5/38

Out: -315.770+/-783.553 χ^2/NDF:58.8/44

All: -329.856+/-579.178 χ^2/NDF: 87.3/83



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

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

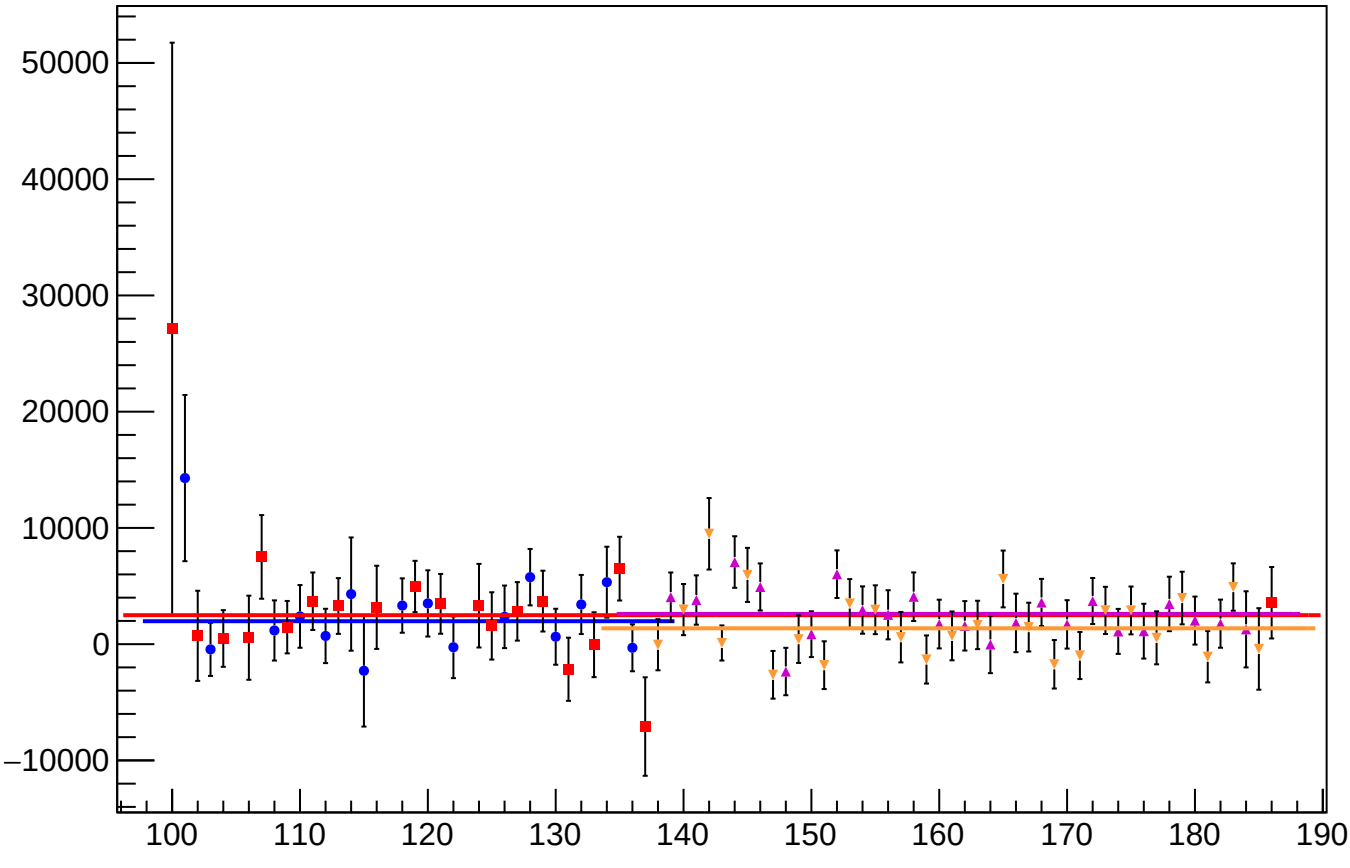
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 2946.707+/-0.563 χ^2/NDF: 2647117.4/35

In: 4109.580+/-0.608 χ^2/NDF:5098494.7/38

Out: 3781.058+/-0.554 χ^2/NDF:7423495.3/44

All: 3930.085+/-0.410 χ^2/NDF: 12681476.7/8



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

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

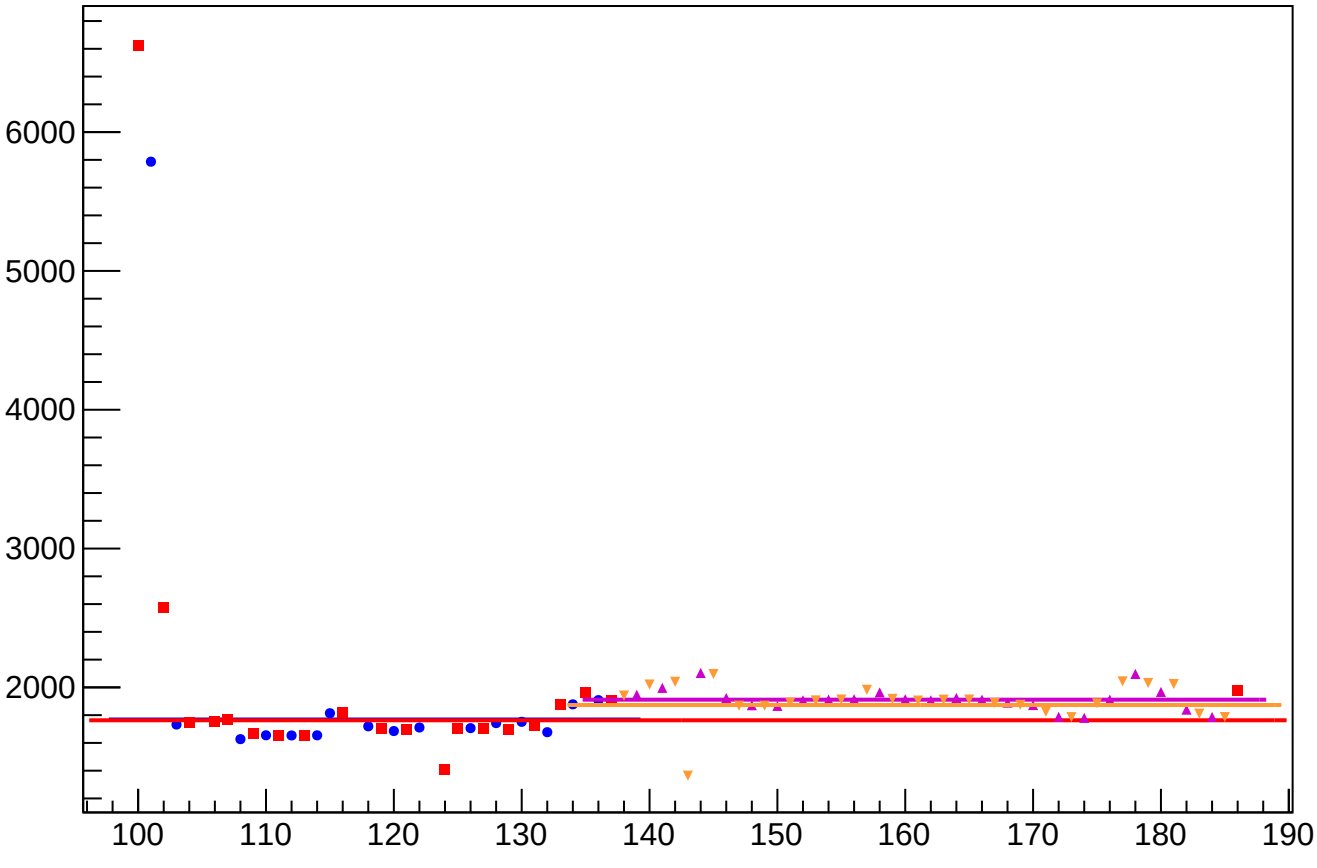
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2246.655+/-465.313 χ^2/NDF: 30.3/35

In: 2411.478+/-372.386 χ^2/NDF:33.1/38

Out: 1709.781+/-355.921 χ^2/NDF:55.9/44

All: 2044.775+/-257.298 χ^2/NDF: 90.8/83



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

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

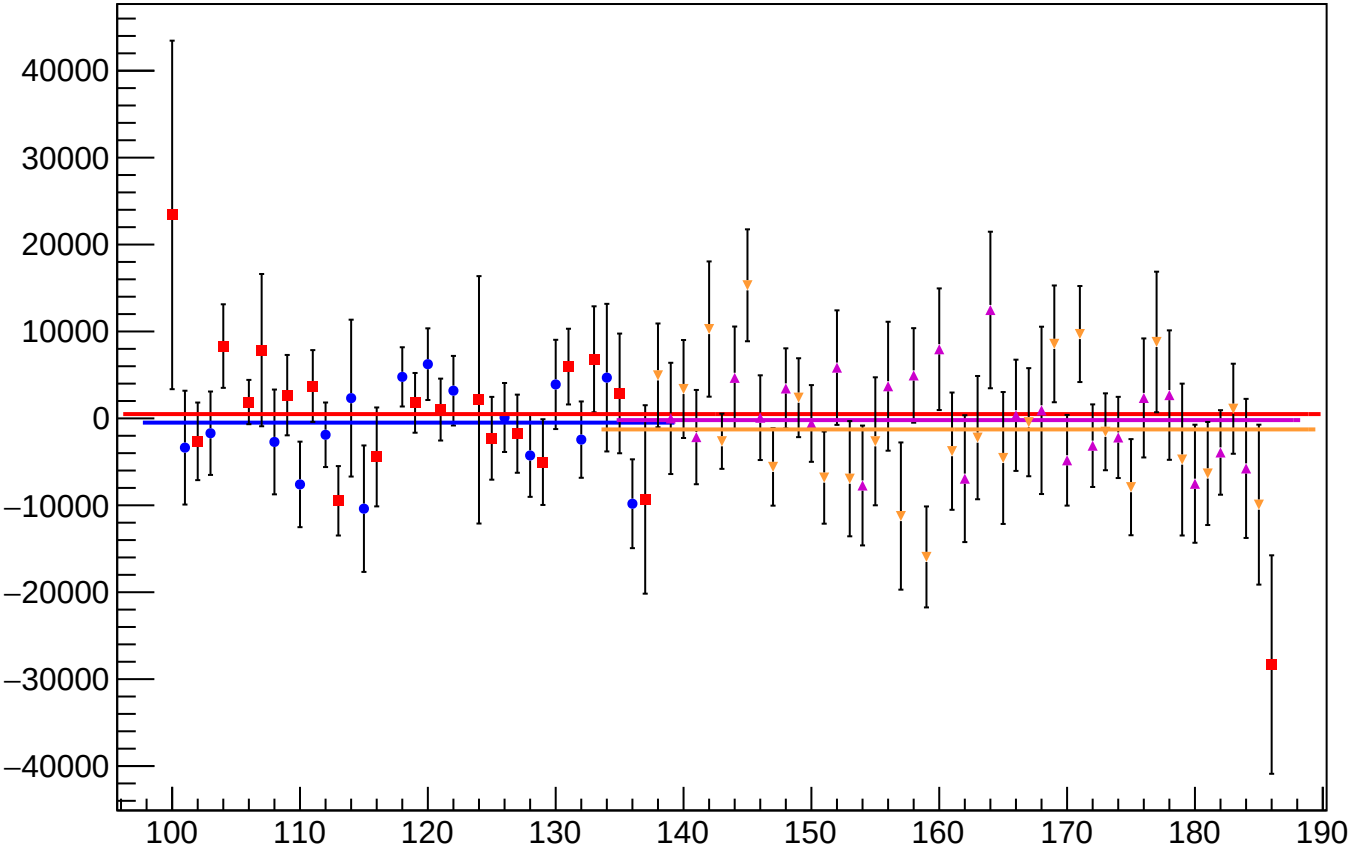
Right: 1765.656+/-0.329 χ^2/NDF: 896364.1/35

In: 1867.801+/-0.263 χ^2/NDF:788999.0/38

Out: 1839.343+/-0.251 χ^2/NDF:579459.4/44

All: 1852.918+/-0.182 χ^2/NDF: 1374567.0/83

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -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

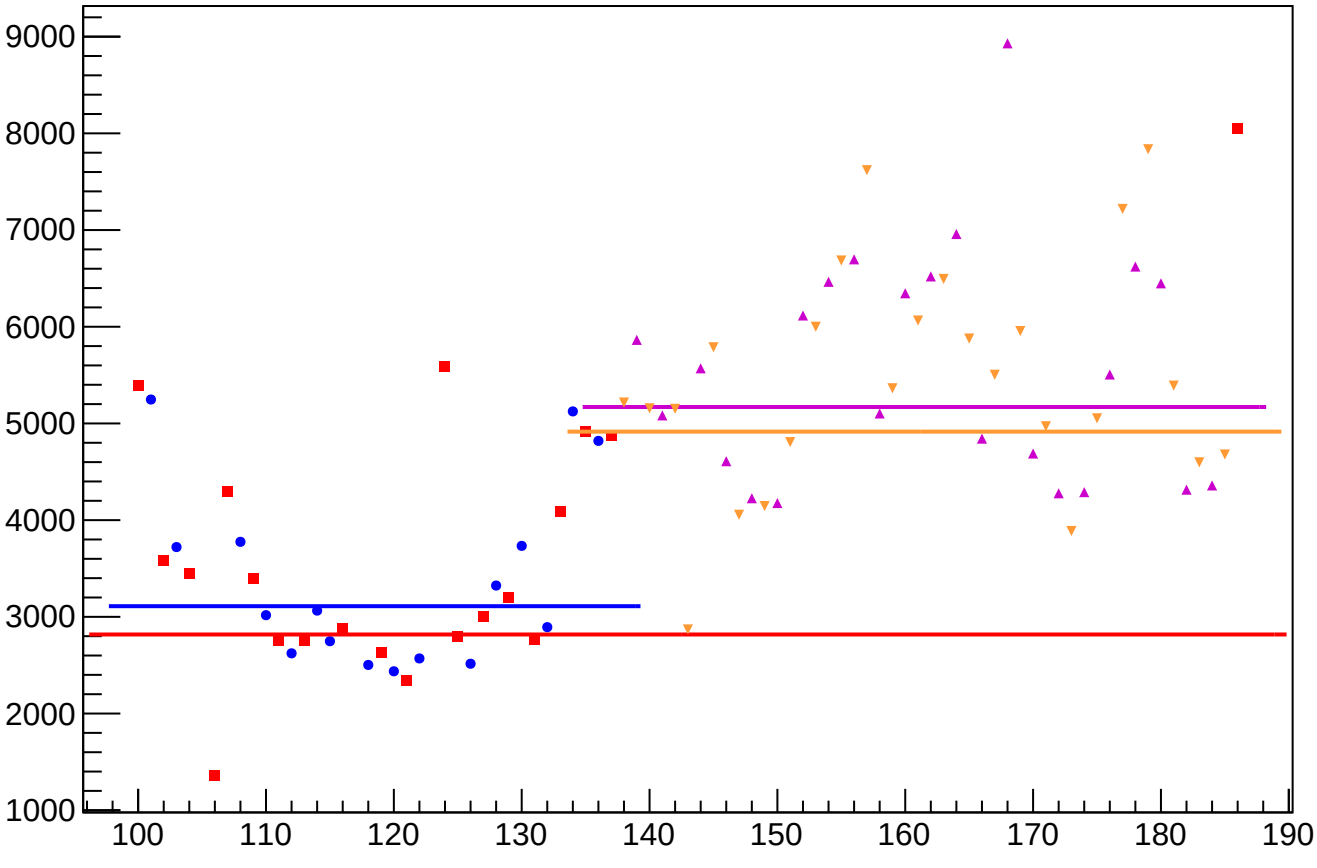
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: 60.782+/-796.357 χ^2/NDF: 40.3/35

In: -346.820+/-859.927 χ^2/NDF:28.5/38

Out: -315.766+/-783.552 χ^2/NDF:58.8/44

All: -329.853+/-579.178 χ^2/NDF: 87.3/83



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

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

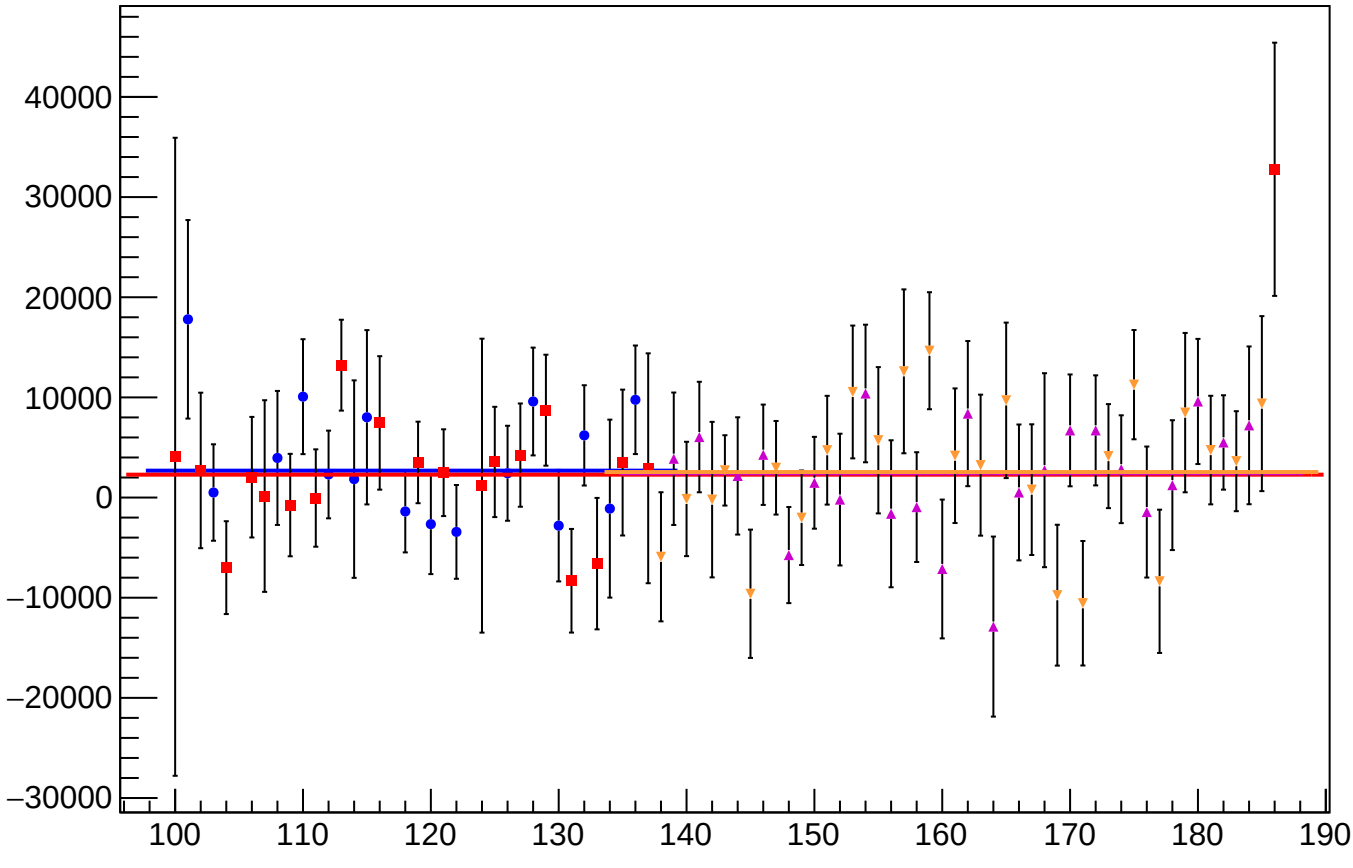
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 2946.695+/-0.563 χ^2/NDF: 2647149.5/35

In: 4109.574+/-0.608 χ^2/NDF:5098563.5/38

Out: 3781.048+/-0.554 χ^2/NDF:7423596.9/44

All: 3930.077+/-0.410 χ^2/NDF: 12681650.1/8



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

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

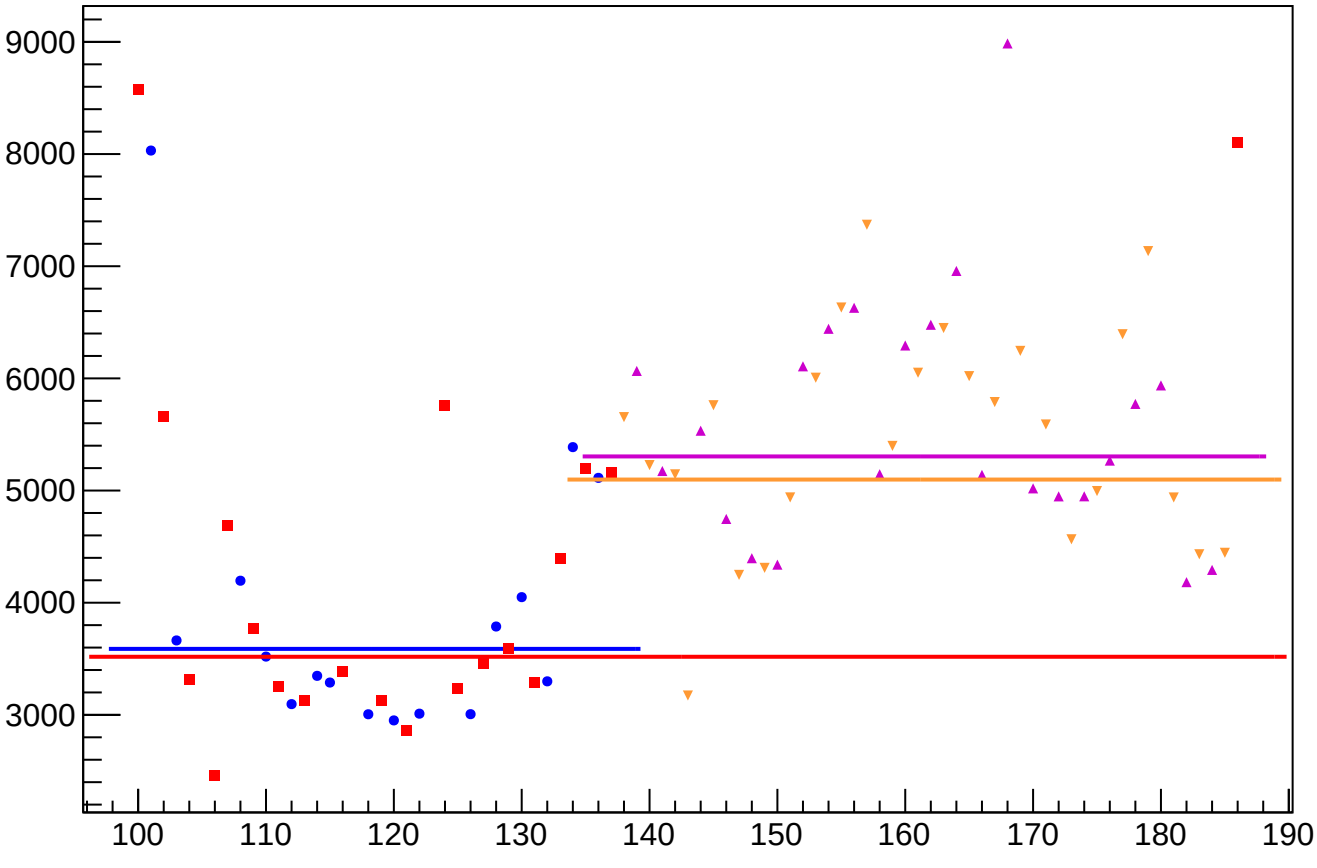
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

Right: 2477.019+/-955.977 χ^2/NDF: 38.1/35

In: 2542.286+/-930.323 χ^2/NDF:28.5/38

Out: 2430.243+/-884.578 χ^2/NDF:53.7/44

All: 2483.442+/-641.053 χ^2/NDF: 82.2/83



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

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

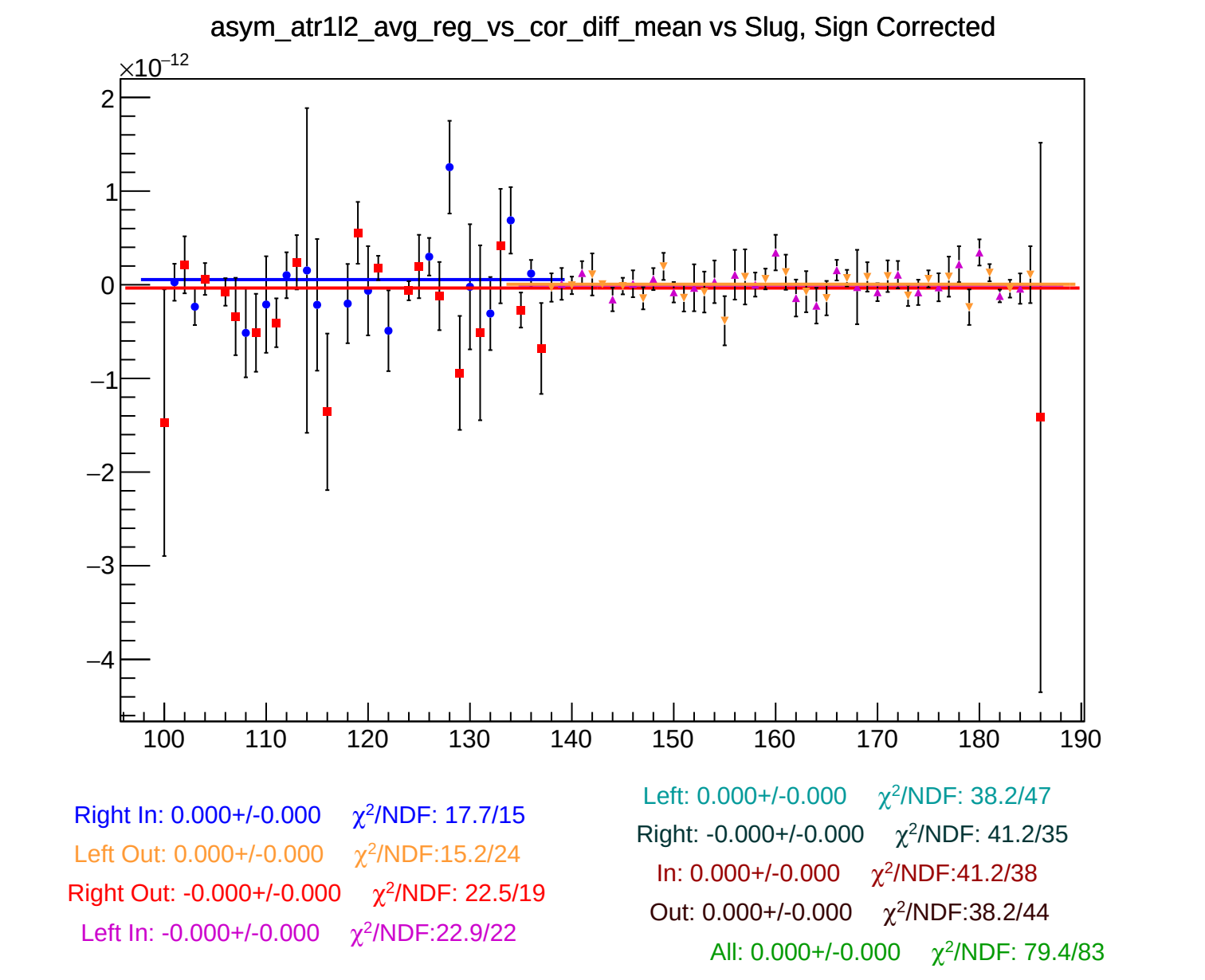
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

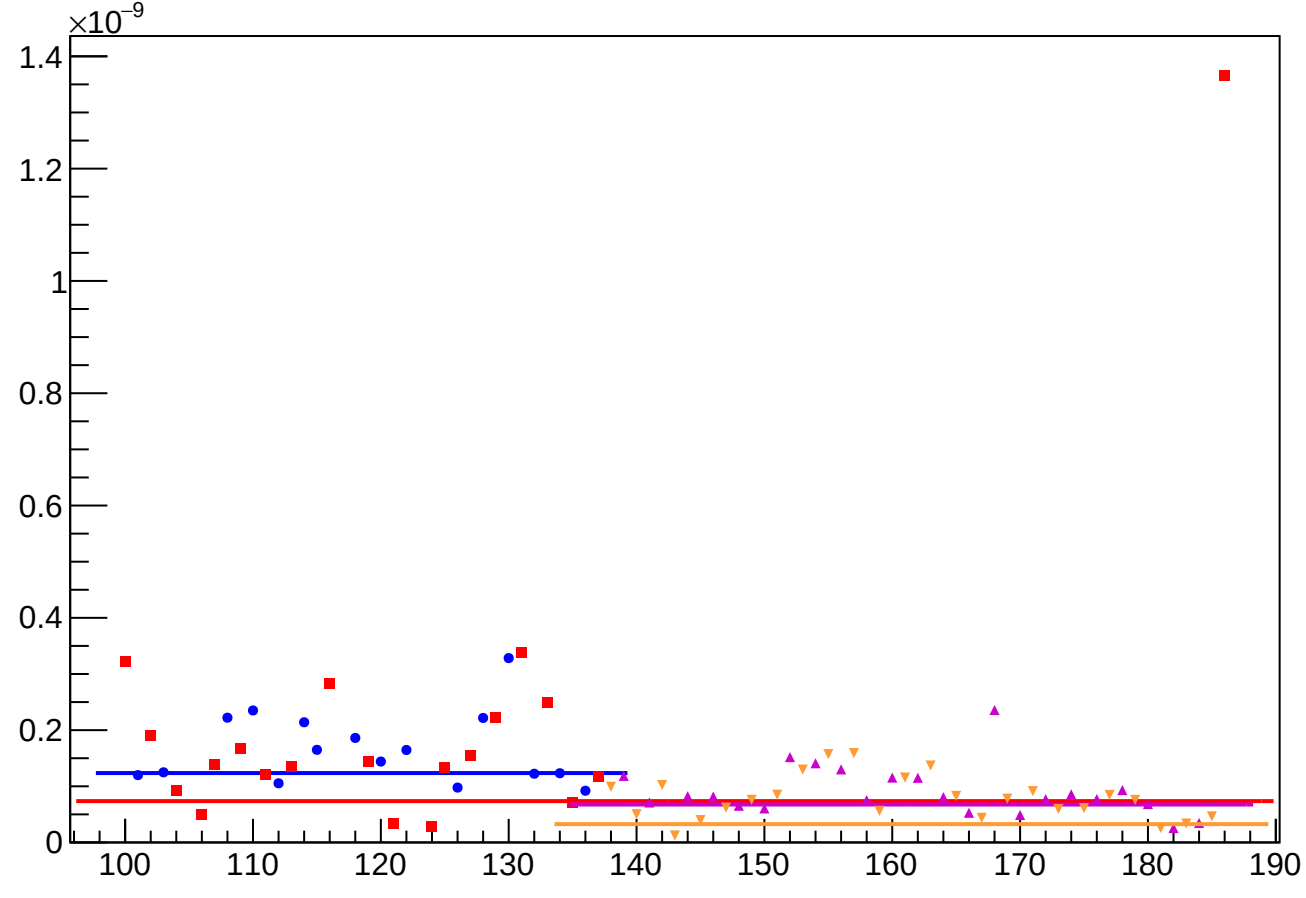
Right: 3551.295+/-0.671 χ^2/NDF: 1780222.8/35

In: 4524.303+/-0.658 χ^2/NDF:3549748.6/38

Out: 4382.659+/-0.621 χ^2/NDF:4079127.6/44

All: 4449.433+/-0.452 χ^2/NDF: 7653382.1/83


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: 17.7/15
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: 41.2/35
In: 0.000+/-0.000 χ²/NDF:41.2/38
Out: 0.000+/-0.000 χ²/NDF:38.2/44
All: 0.000+/-0.000 χ²/NDF: 79.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

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

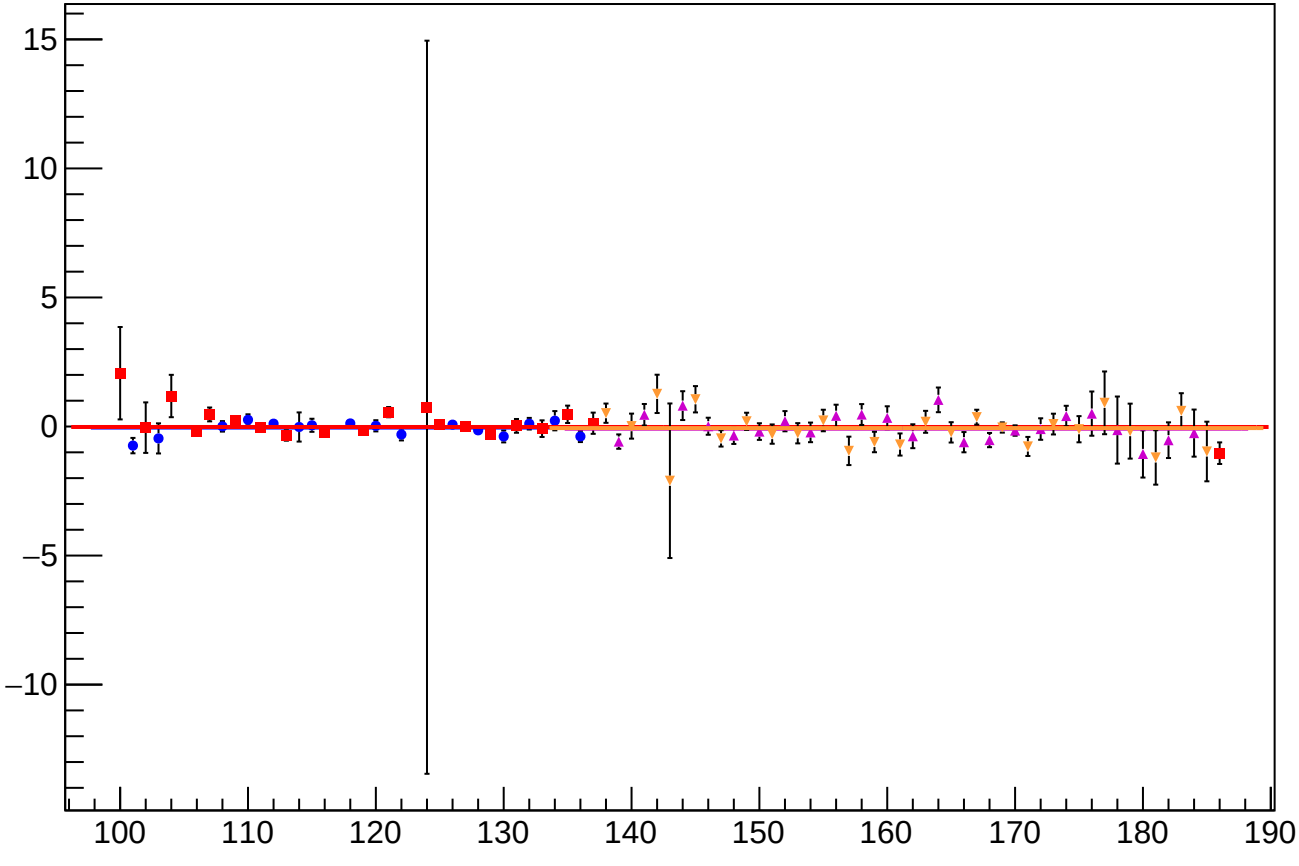
Right: 0.000+/-0.000 χ^2/NDF: 3849489.9/35

In: 0.000+/-0.000 χ^2/NDF:4129874.4/38

Out: 0.000+/-0.000 χ^2/NDF:9777890.5/44

All: 0.000+/-0.000 χ^2/NDF: 16940656.4/83

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-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

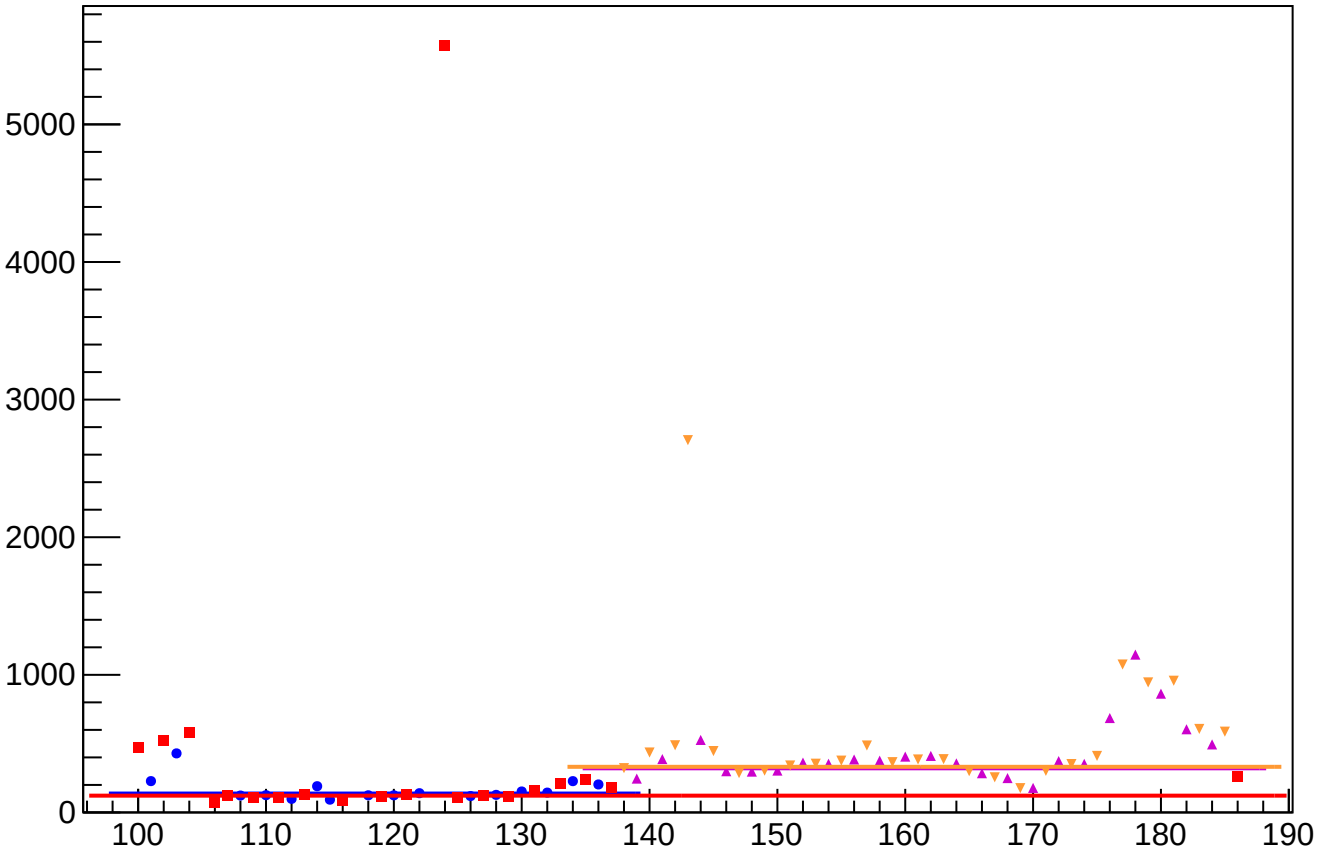
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.028+/-0.037 χ^2/NDF: 52.7/35

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.041+/-0.032 χ^2/NDF: 111.0/83



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

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

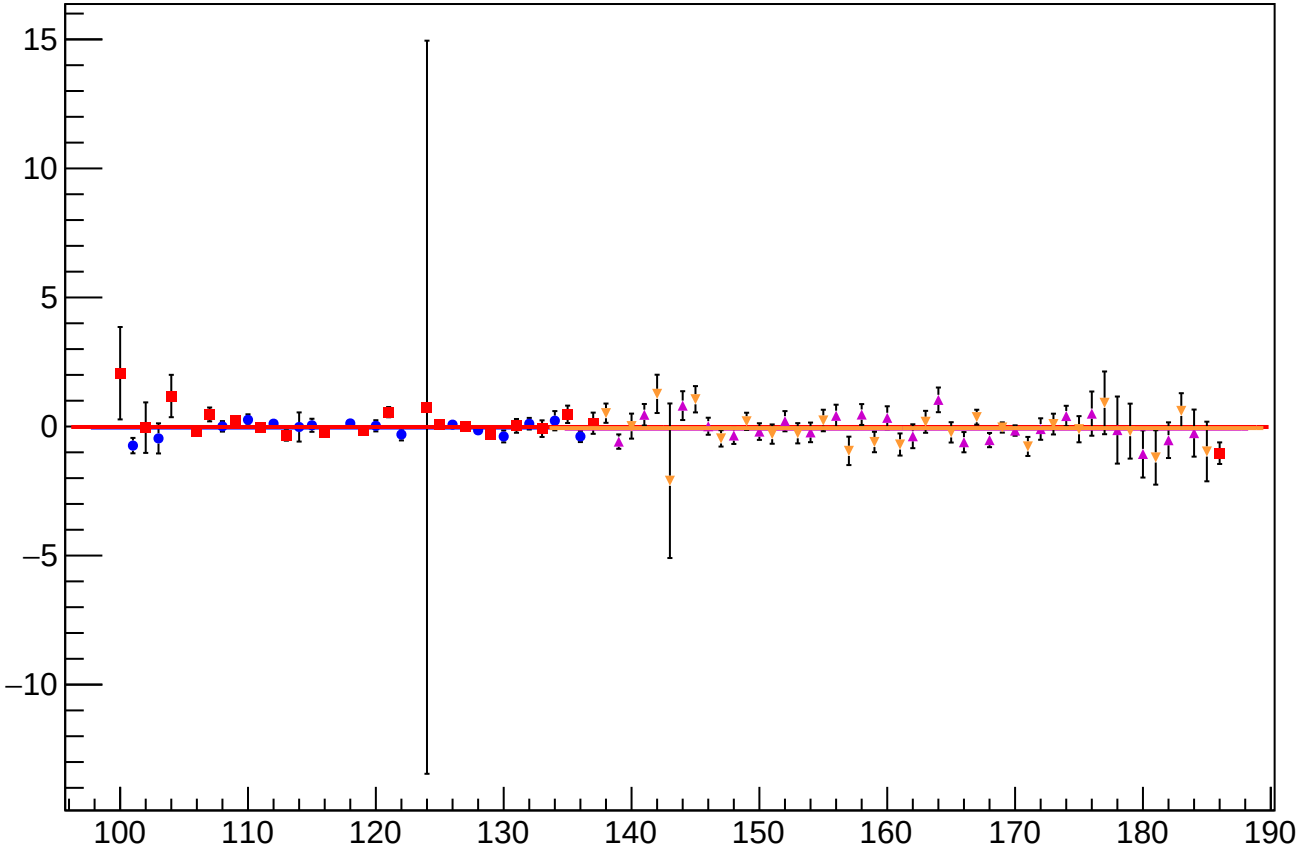
Right: 128.992+/-0.026 χ^2/NDF: 3721269.1/35

In: 196.292+/-0.033 χ^2/NDF:12447072.3/38

Out: 178.114+/-0.031 χ^2/NDF:17395441.9/44

All: 186.650+/-0.022 χ^2/NDF: 30008258.3/83

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-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

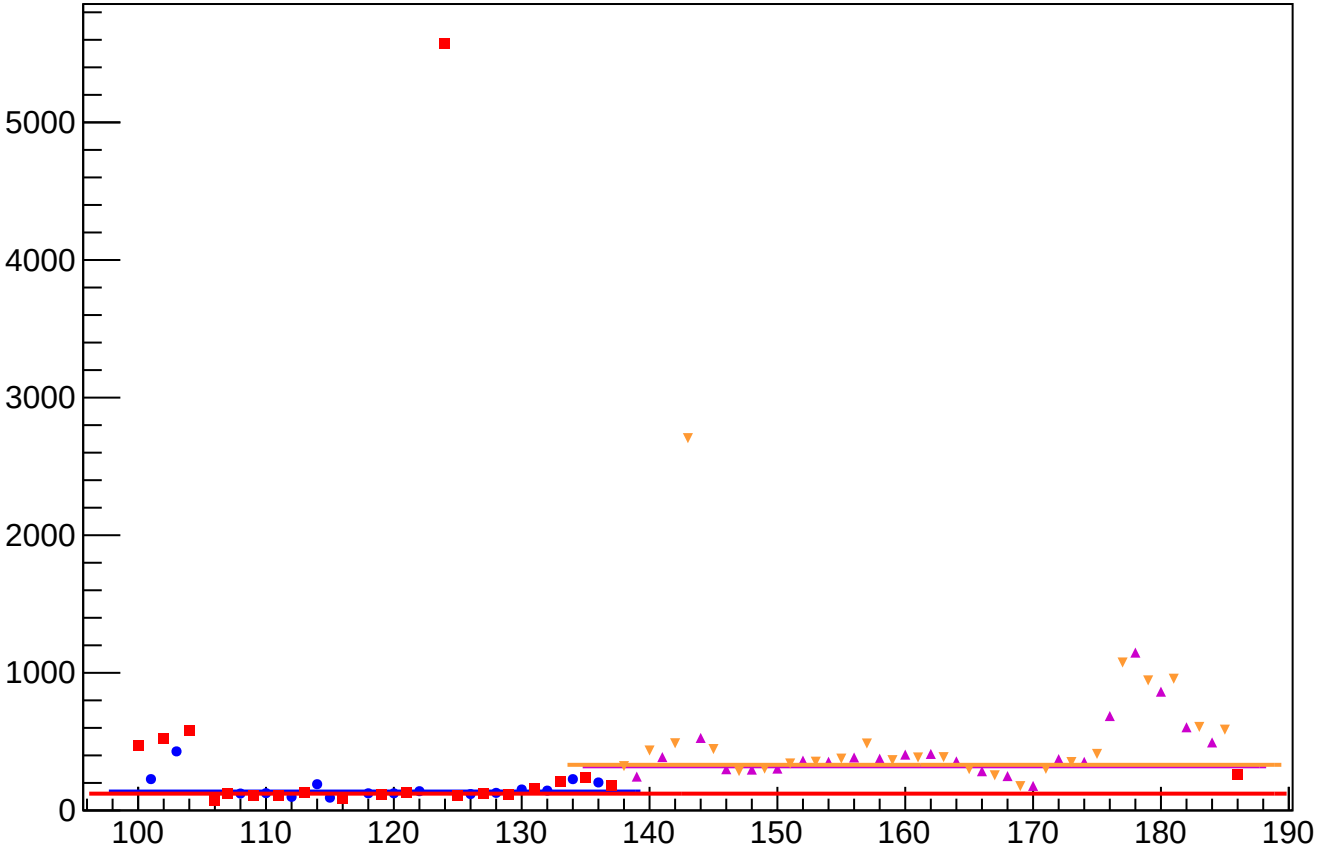
Right: -0.028+/-0.037 χ^2/NDF: 52.7/35

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.041+/-0.032 χ^2/NDF: 111.0/83

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 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

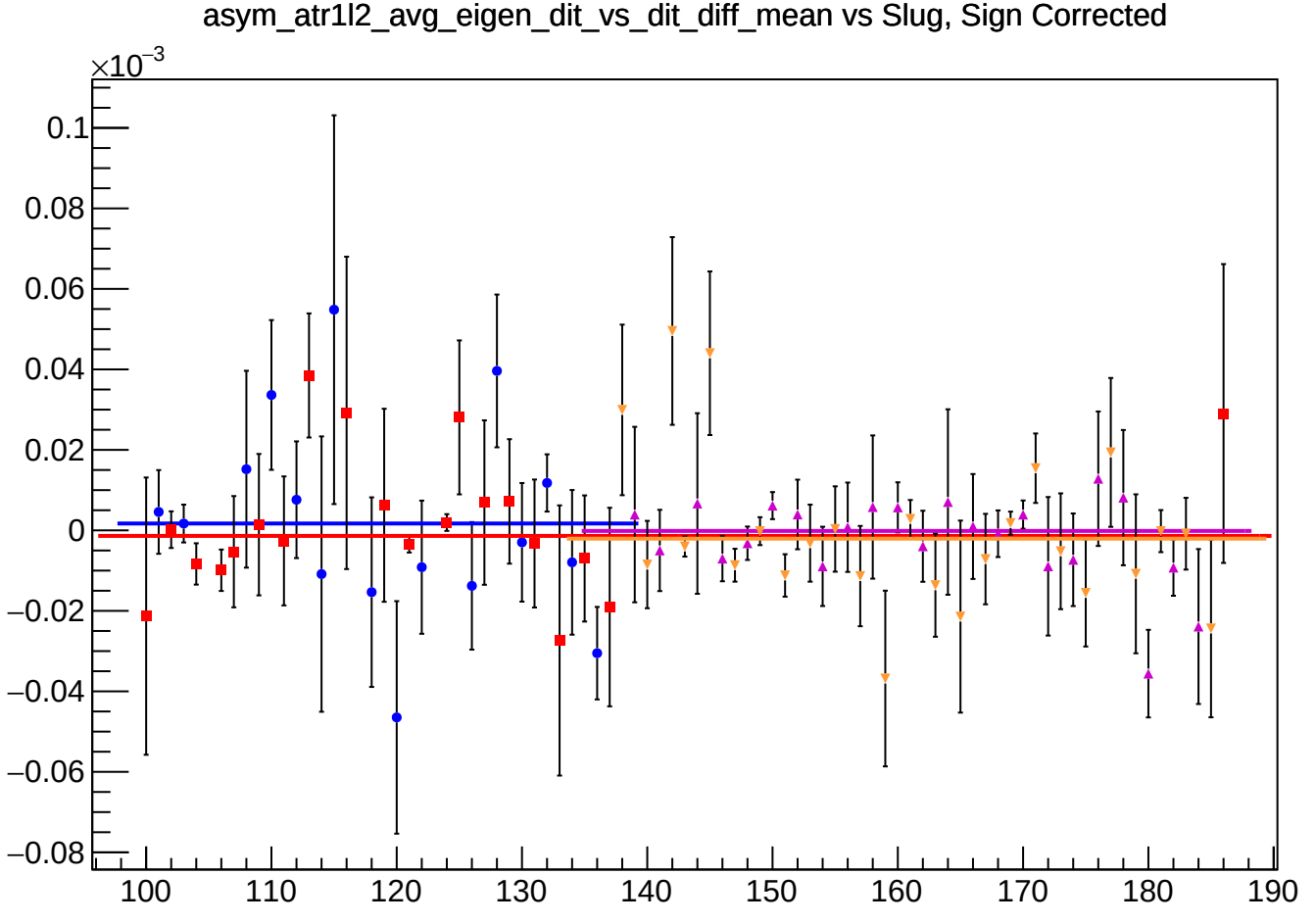
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

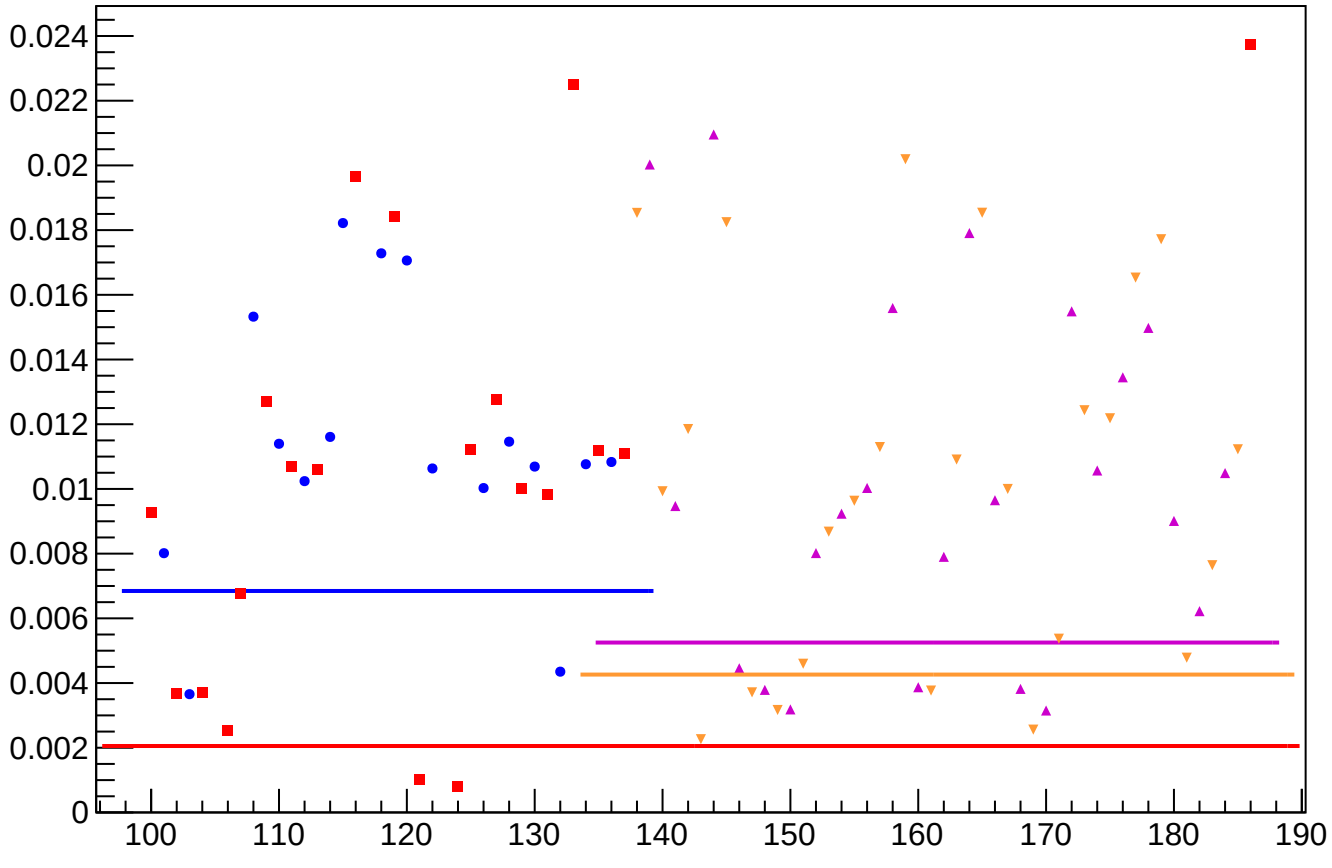
Right: 128.992+/-0.026 χ^2/NDF: 3721269.1/35

In: 196.292+/-0.033 χ^2/NDF:12447072.3/38

Out: 178.114+/-0.031 χ^2/NDF:17395441.9/44

All: 186.650+/-0.022 χ^2/NDF: 30008258.3/83


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: 23.8/15
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: 45.6/35
In: 0.000+/-0.000 χ²/NDF:49.0/38
Out: -0.000+/-0.000 χ²/NDF:55.9/44
All: -0.000+/-0.000 χ²/NDF: 106.3/83



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

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

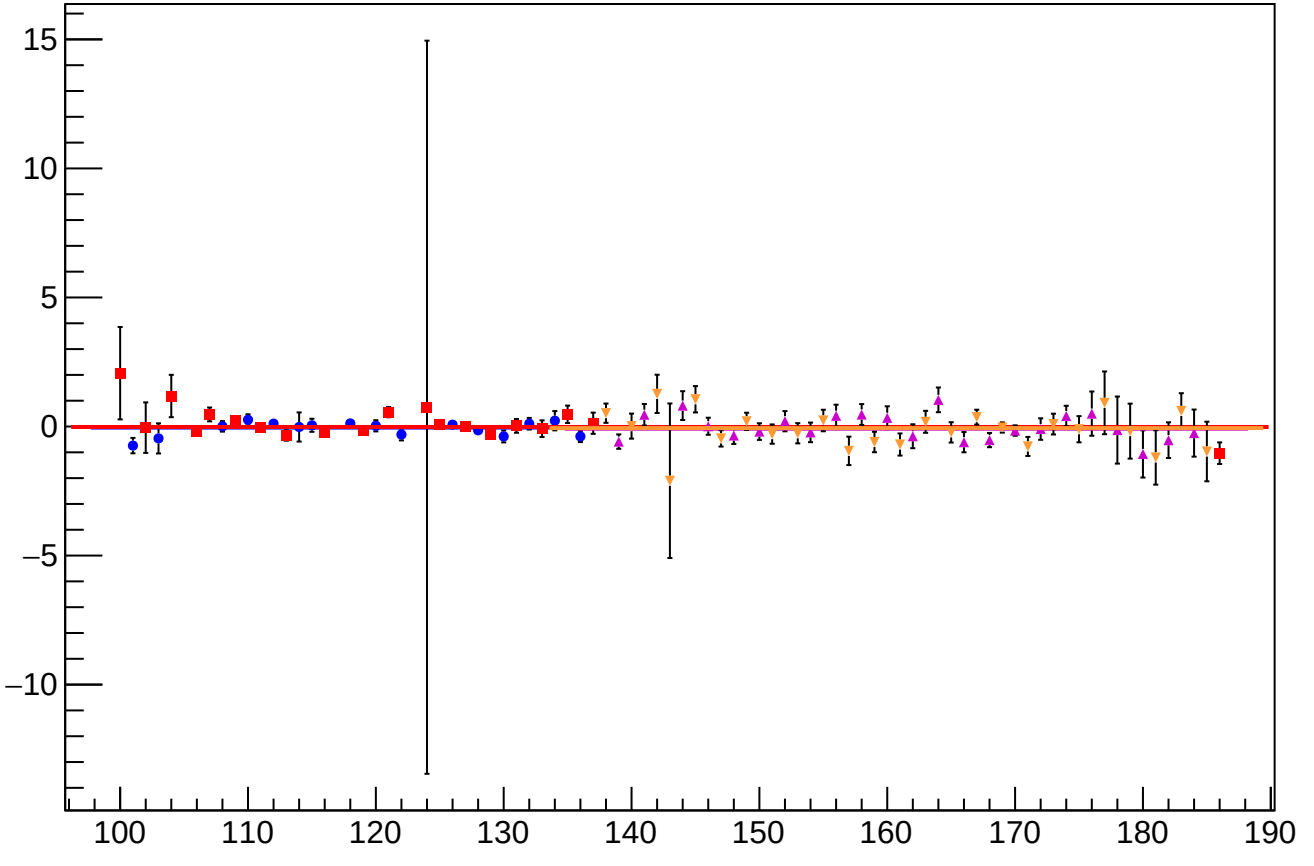
Right: 0.003+/-0.000 χ^2/NDF: 17345926.3/35

In: 0.006+/-0.000 χ^2/NDF:13218842.1/38

Out: 0.003+/-0.000 χ^2/NDF:25778003.2/44

All: 0.004+/-0.000 χ^2/NDF: 43470083.8/83

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-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

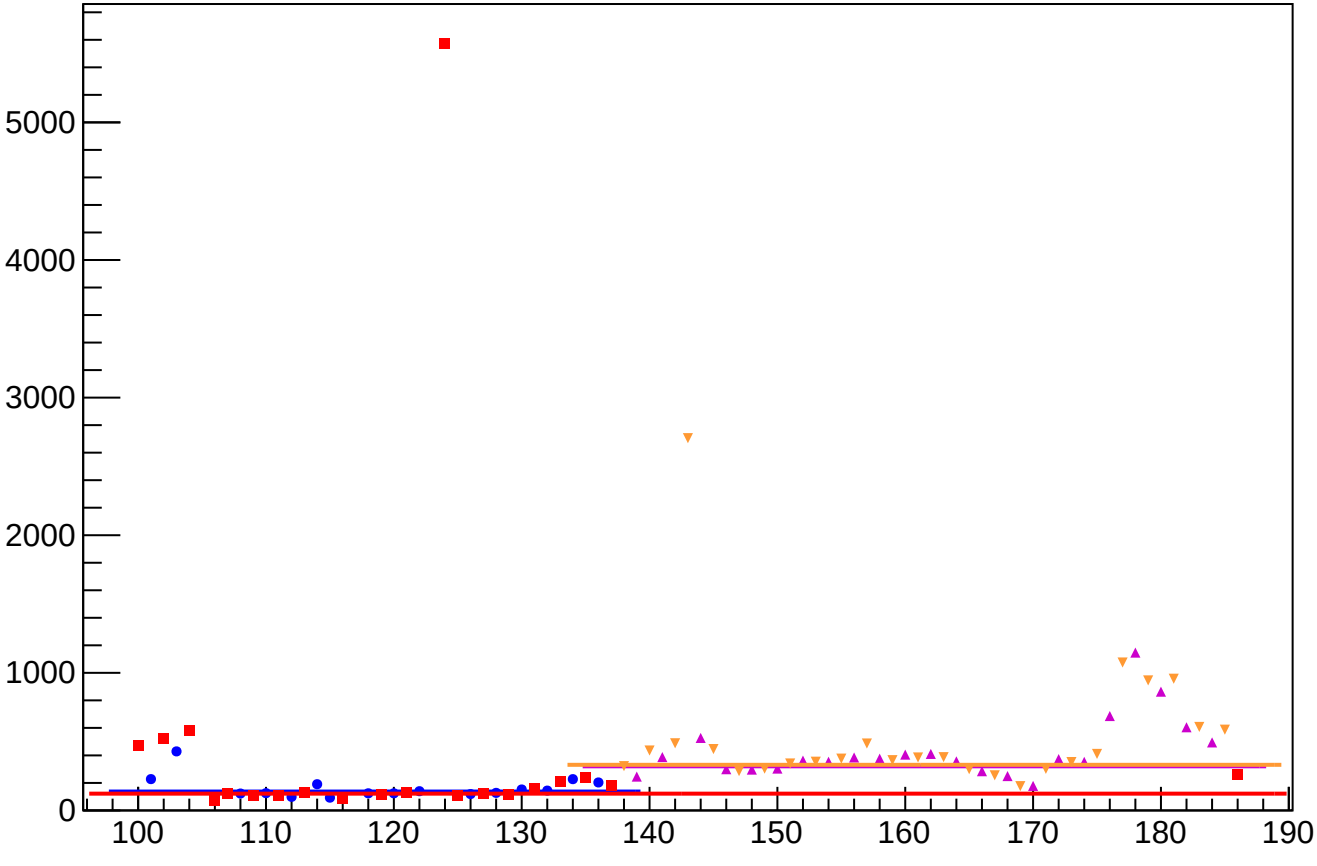
Right: -0.028+/-0.037 χ^2/NDF: 52.7/35

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.041+/-0.032 χ^2/NDF: 111.0/83

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 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

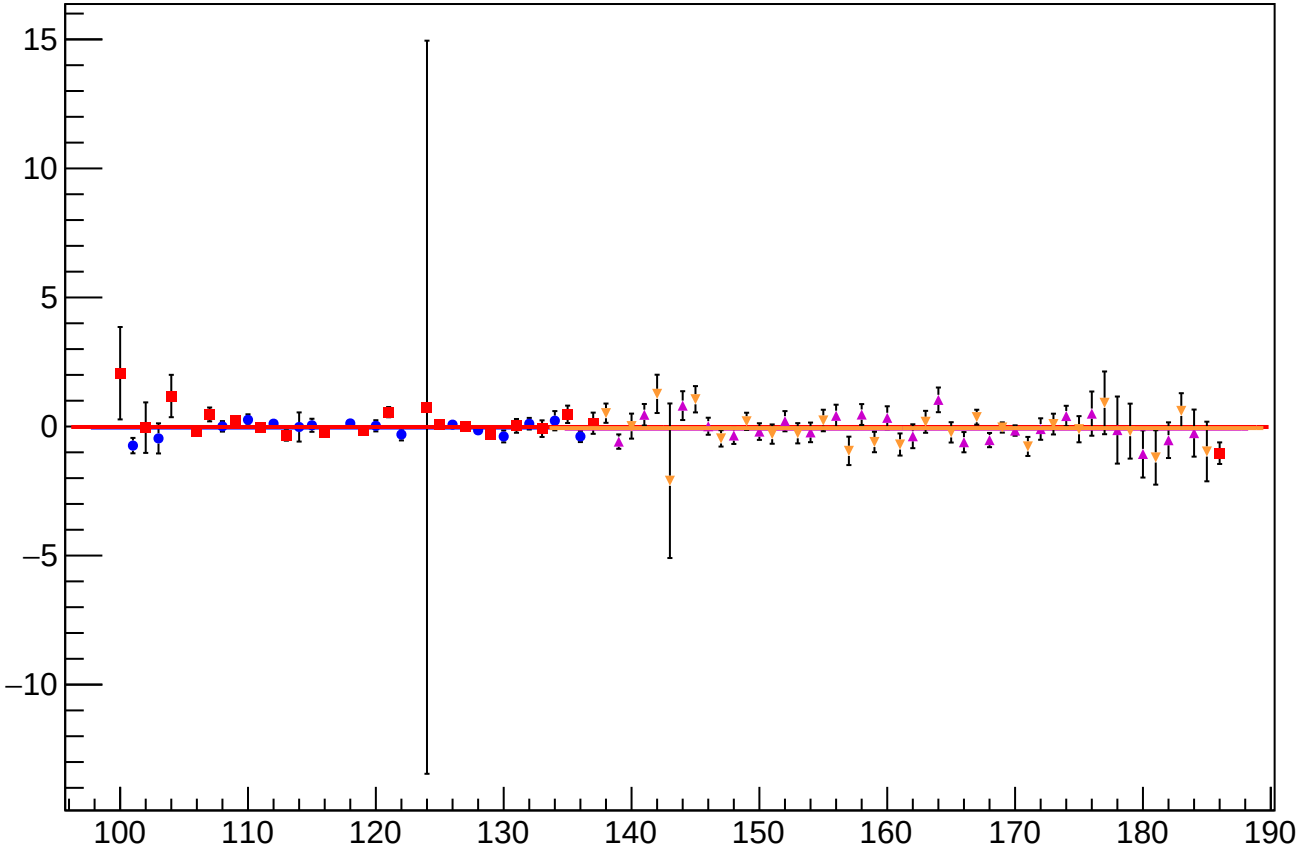
Right: 128.992+/-0.026 χ^2/NDF: 3721132.7/35

In: 196.293+/-0.033 χ^2/NDF:12447050.6/38

Out: 178.114+/-0.031 χ^2/NDF:17395501.1/44

All: 186.650+/-0.022 χ^2/NDF: 30008320.2/83

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.061+/-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

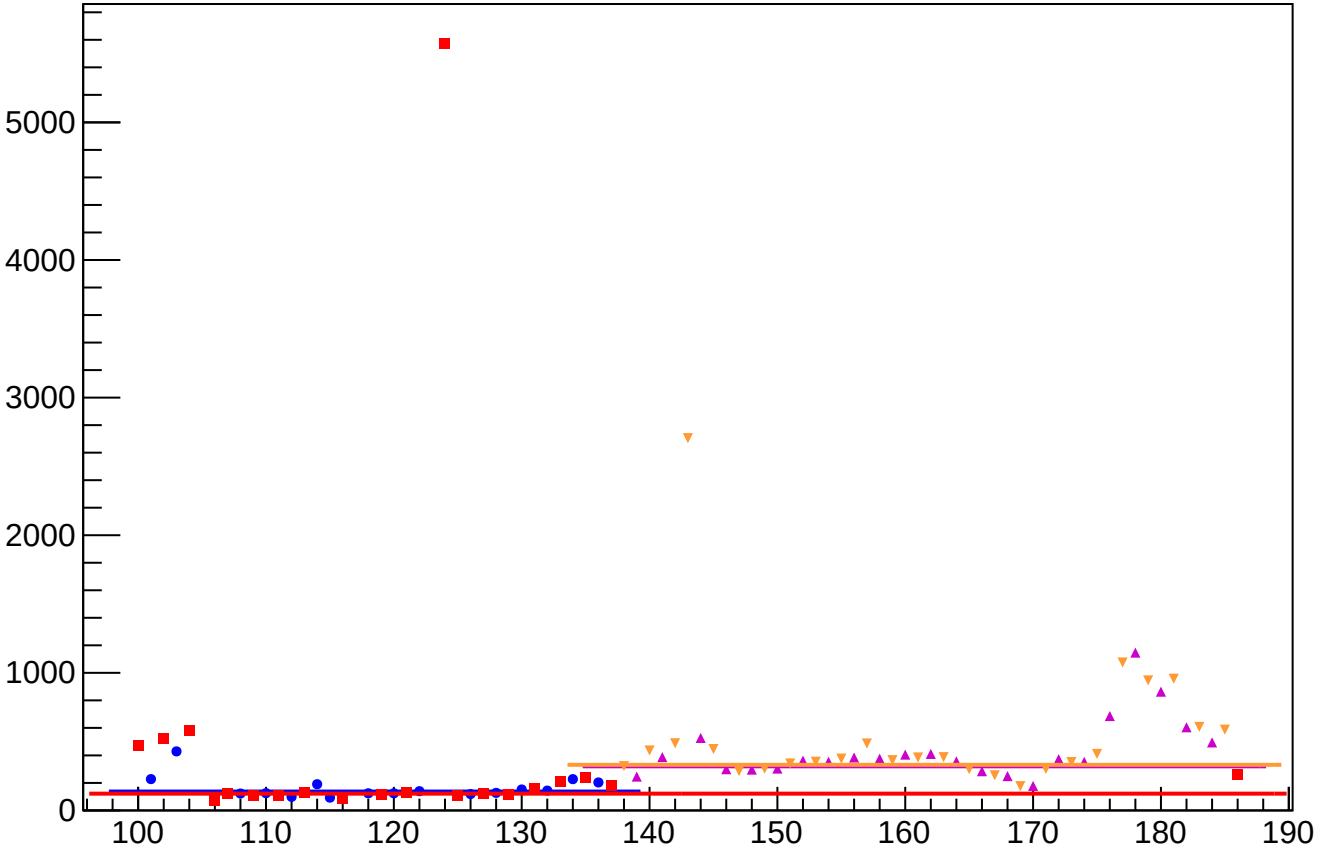
Right: -0.028+/-0.037 χ^2/NDF: 52.7/35

In: -0.054+/-0.046 χ^2/NDF:45.2/38

Out: -0.029+/-0.043 χ^2/NDF:65.7/44

All: -0.041+/-0.032 χ^2/NDF: 111.0/83

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 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

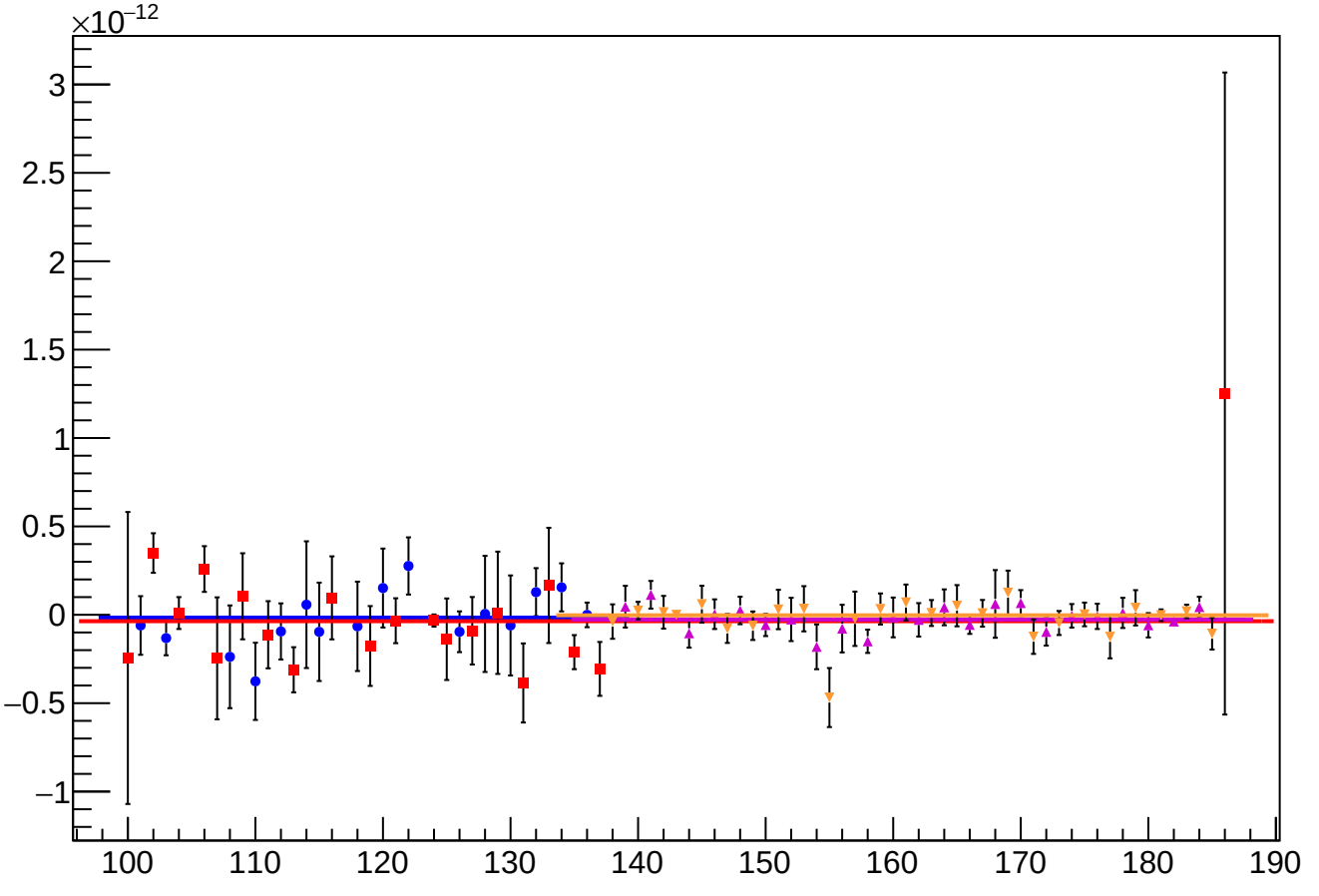
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 128.992+/-0.026 χ^2/NDF: 3721132.7/35

In: 196.293+/-0.033 χ^2/NDF:12447050.6/38

Out: 178.114+/-0.031 χ^2/NDF:17395501.1/44

All: 186.650+/-0.022 χ^2/NDF: 30008320.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

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

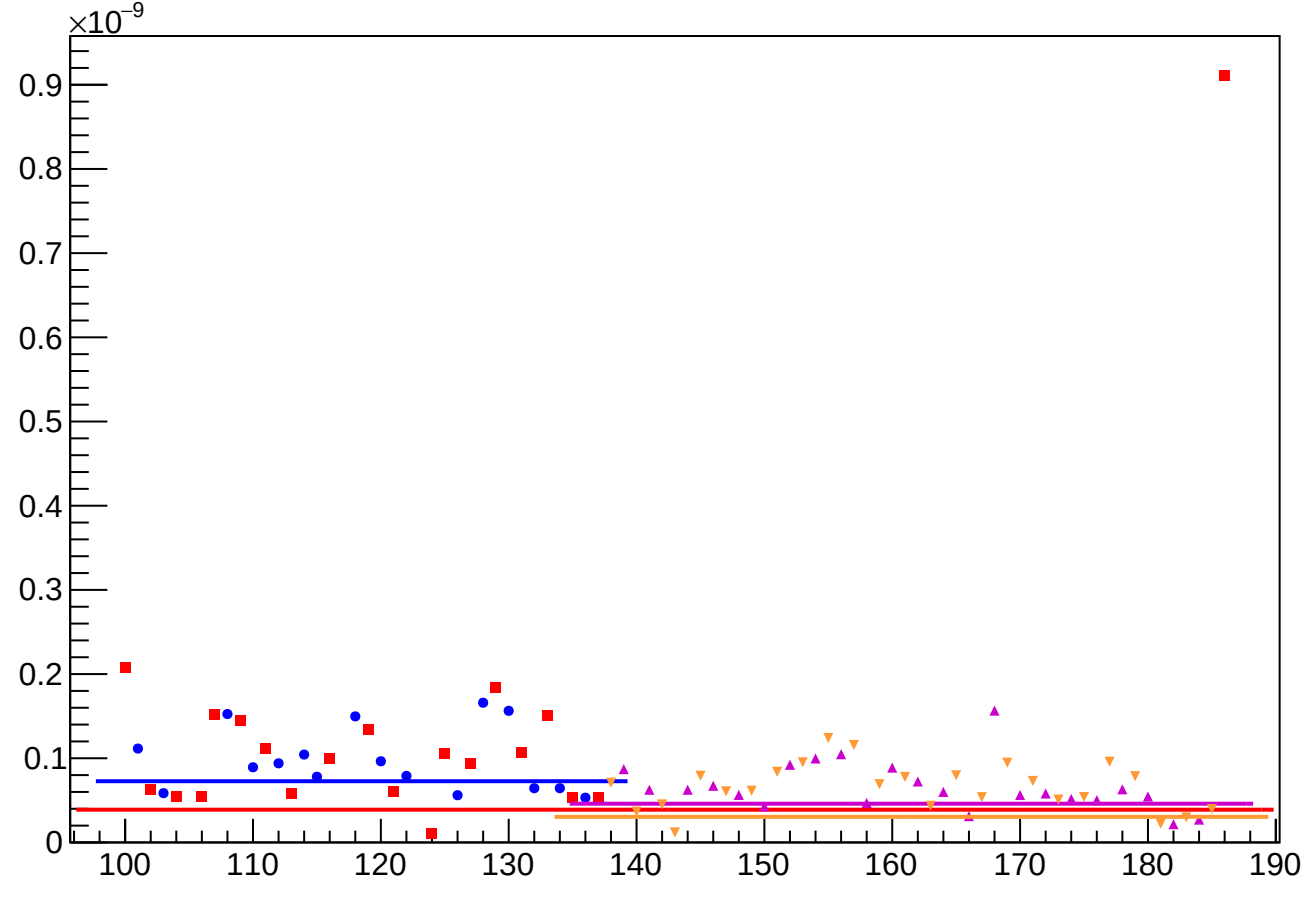
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

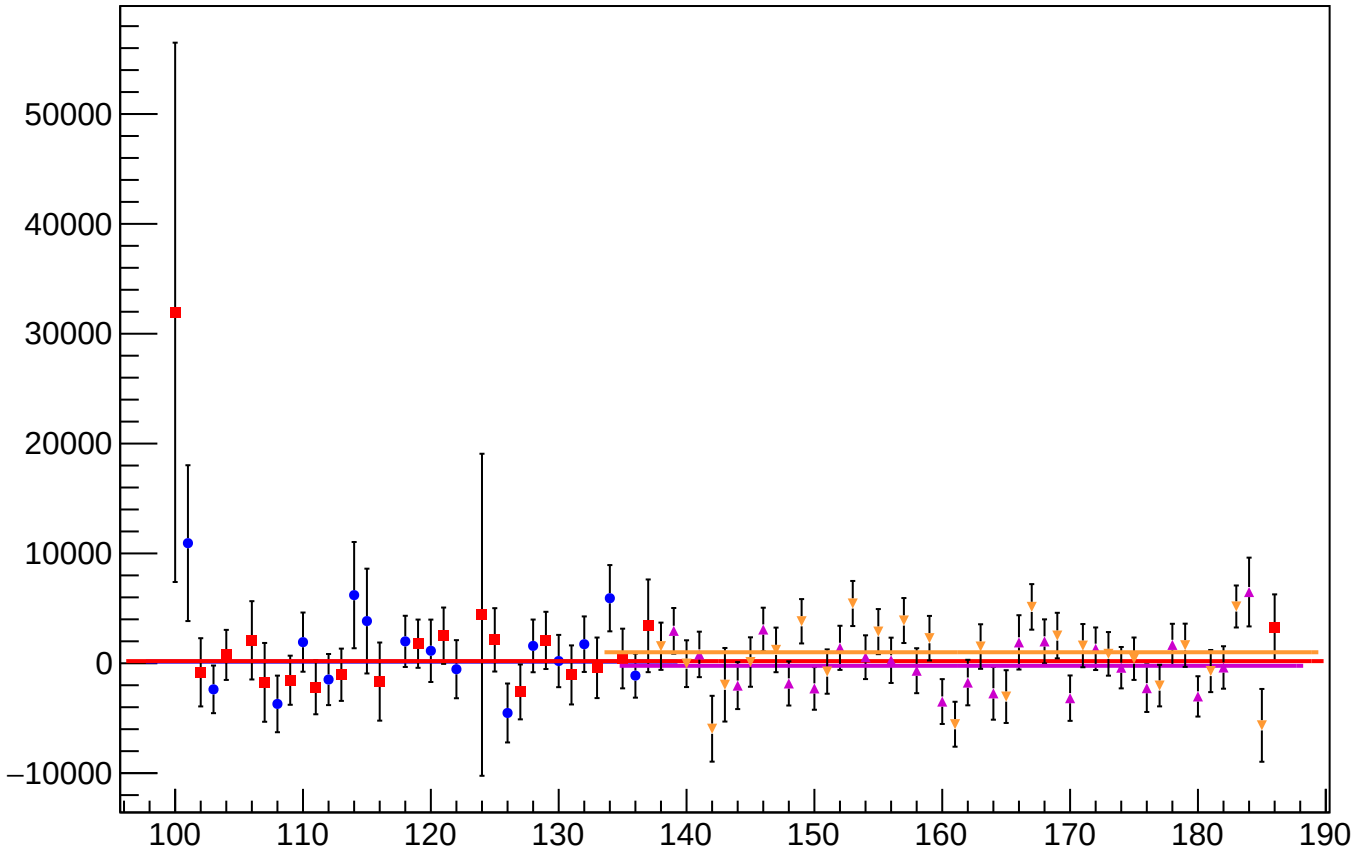
Right: -0.000+/-0.000 χ^2/NDF: 46.2/35

In: -0.000+/-0.000 χ^2/NDF:28.5/38

Out: -0.000+/-0.000 χ^2/NDF:52.1/44

All: -0.000+/-0.000 χ^2/NDF: 81.7/83


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: 1128031.5/15
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: 6982601.7/35
In: 0.000+/-0.000 χ²/NDF:6922840.9/38
Out: 0.000+/-0.000 χ²/NDF:15434543.7/44
All: 0.000+/-0.000 χ²/NDF: 24620434.0/83



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

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

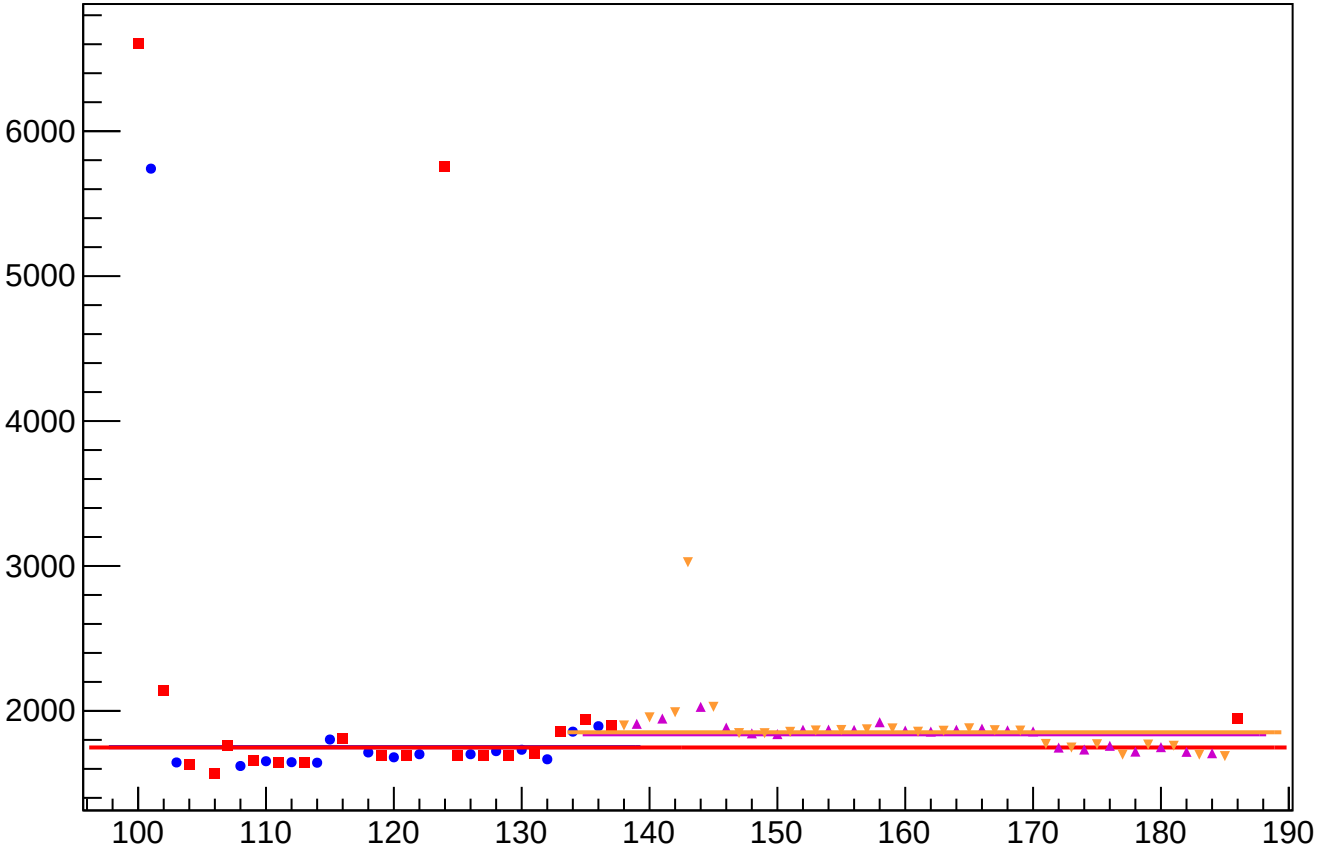
Right: 174.756+/-461.972 χ^2/NDF: 27.7/35

In: -117.862+/-361.233 χ^2/NDF:44.3/38

Out: 759.307+/-352.718 χ^2/NDF:58.5/44

All: 331.183+/-252.366 χ^2/NDF: 105.8/83

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

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

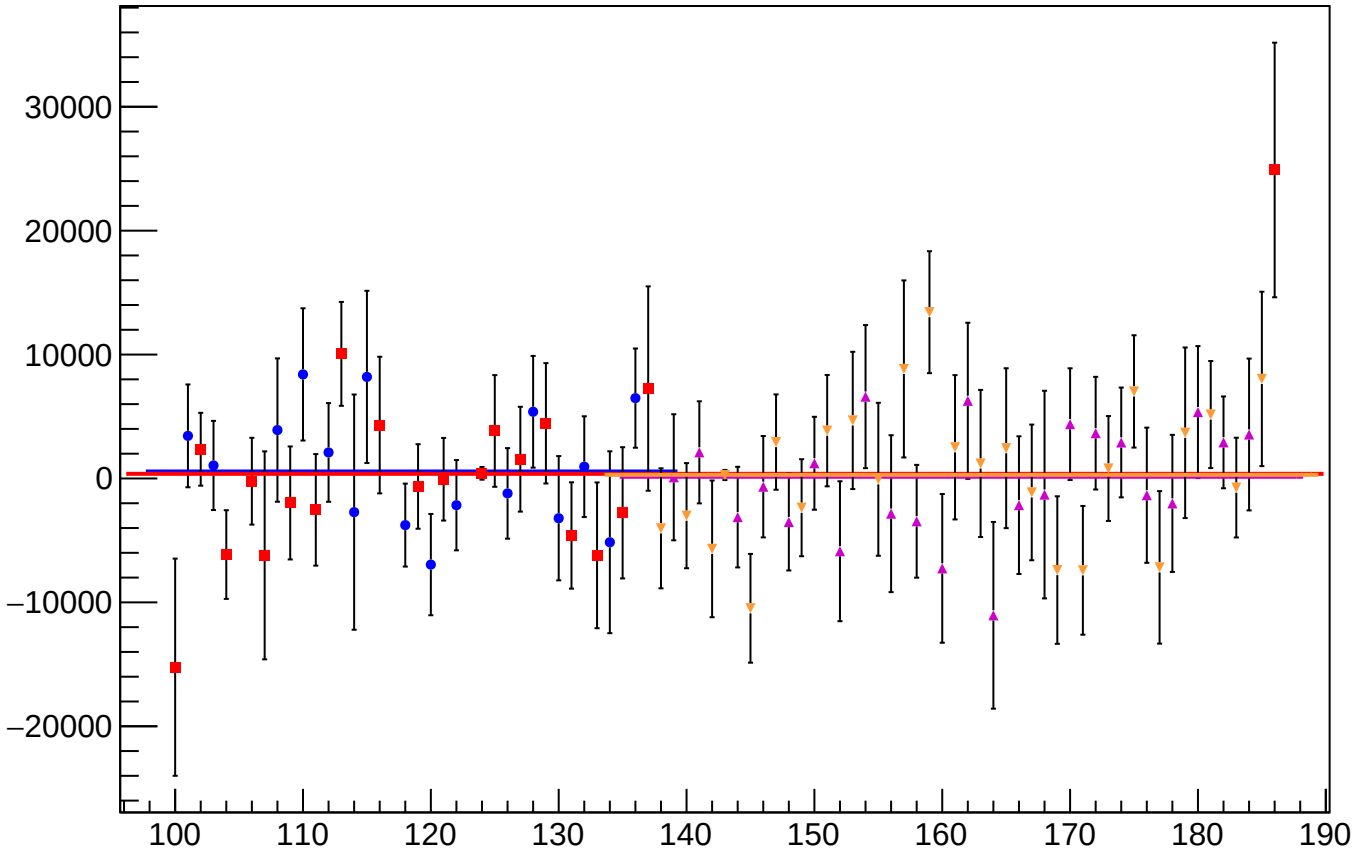
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1748.740+/-0.325 χ^2/NDF: 983194.9/35

In: 1812.525+/-0.255 χ^2/NDF:763027.4/38

Out: 1820.428+/-0.249 χ^2/NDF:672336.1/44

All: 1816.579+/-0.178 χ^2/NDF: 1435854.7/83



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

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

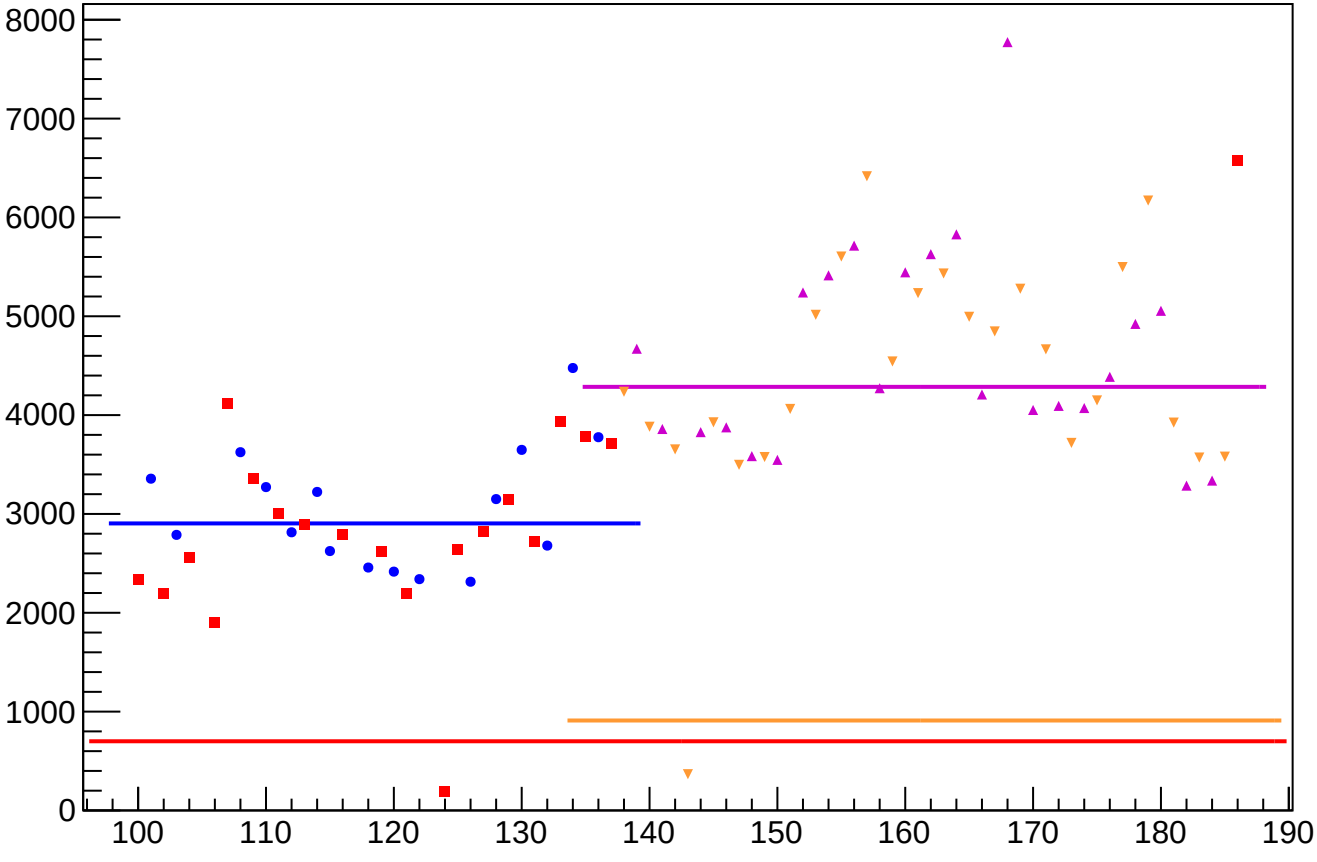
Right: 401.962+/-422.482 χ^2/NDF: 39.8/35

In: 334.752+/-749.458 χ^2/NDF:28.8/38

Out: 327.007+/-292.279 χ^2/NDF:55.0/44

All: 328.030+/-272.305 χ^2/NDF: 83.8/83

asym_atr1l2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

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

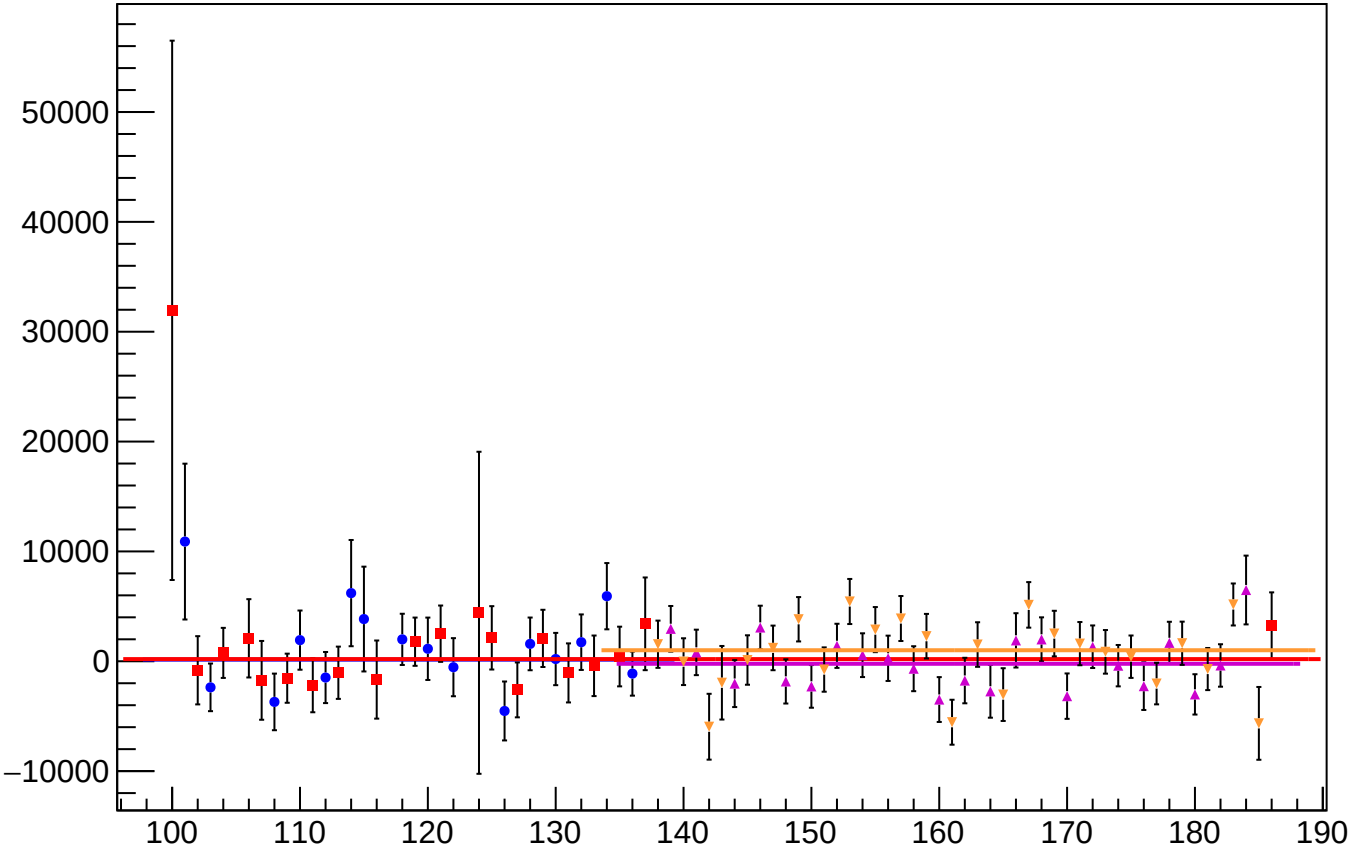
Right: 1024.427+/-0.299 χ^2/NDF: 18116273.6/35

In: 3645.764+/-0.530 χ^2/NDF:3498149.8/38

Out: 824.360+/-0.207 χ^2/NDF:37827149.1/44

All: 1196.820+/-0.193 χ^2/NDF: 65927789.4/8

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 196.956+/-640.436 χ^2/NDF: 10.0/19

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

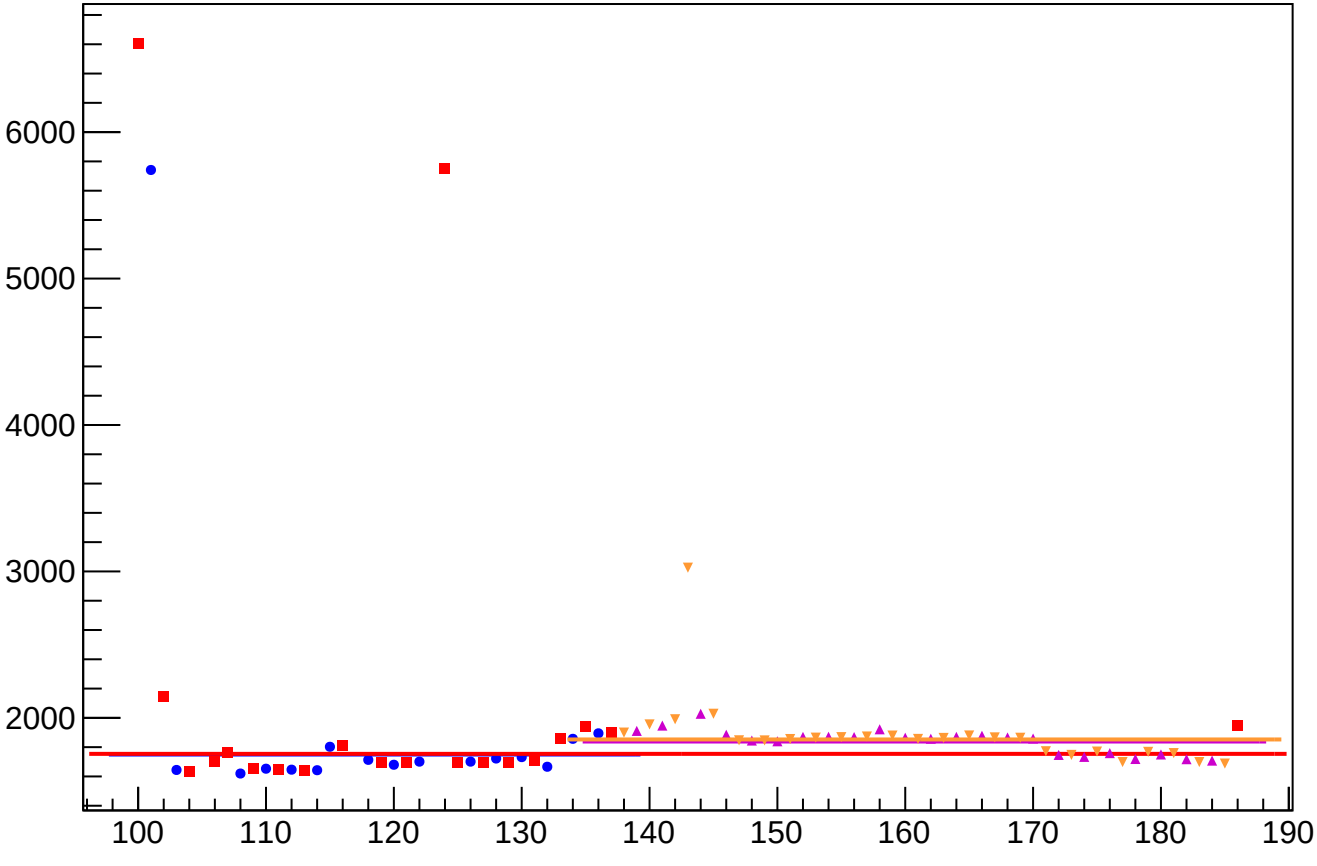
Right: 174.554+/-461.972 χ^2/NDF: 27.7/35

In: -117.939+/-361.233 χ^2/NDF:44.2/38

Out: 759.292+/-352.718 χ^2/NDF:58.5/44

All: 331.138+/-252.366 χ^2/NDF: 105.8/83

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

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

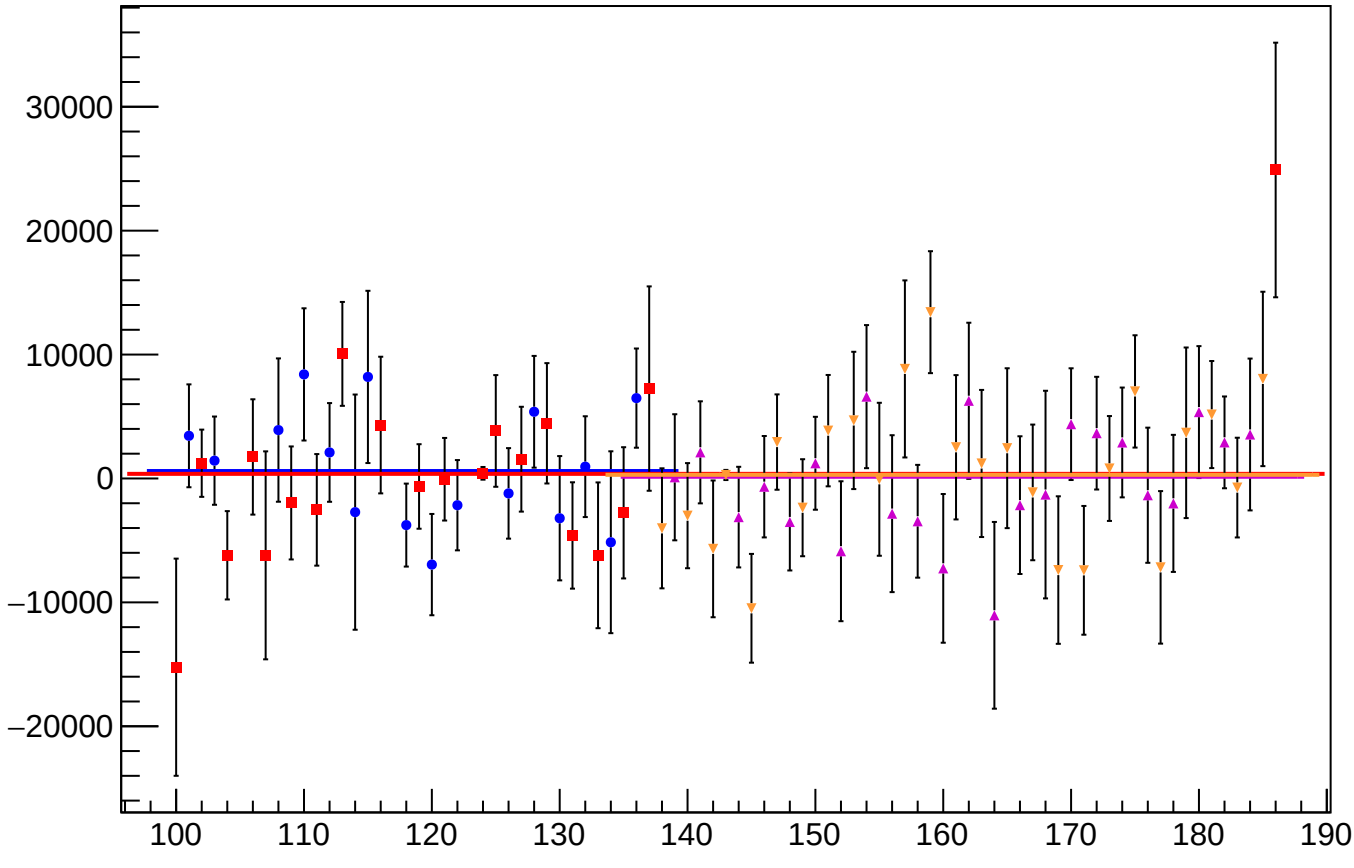
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1752.117+/-0.326 χ^2/NDF: 976136.3/35

In: 1812.525+/-0.255 χ^2/NDF:763027.8/38

Out: 1822.552+/-0.249 χ^2/NDF:660582.1/44

All: 1817.663+/-0.178 χ^2/NDF: 1424399.6/83



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

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

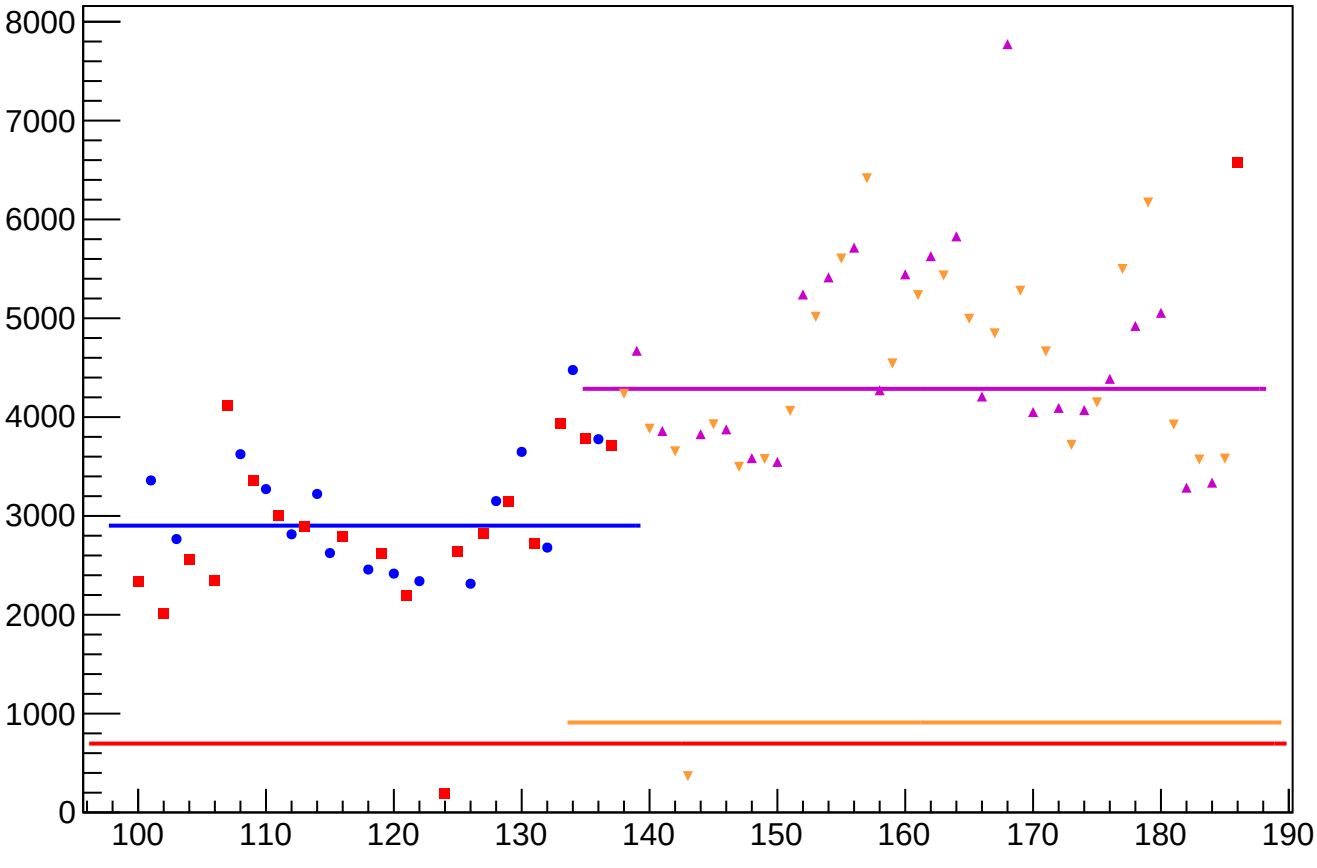
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 405.824+/-423.141 χ^2/NDF: 39.6/35

In: 352.465+/-749.130 χ^2/NDF:28.8/38

Out: 326.570+/-292.530 χ^2/NDF:54.8/44

All: 329.996+/-272.491 χ^2/NDF: 83.6/83



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

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

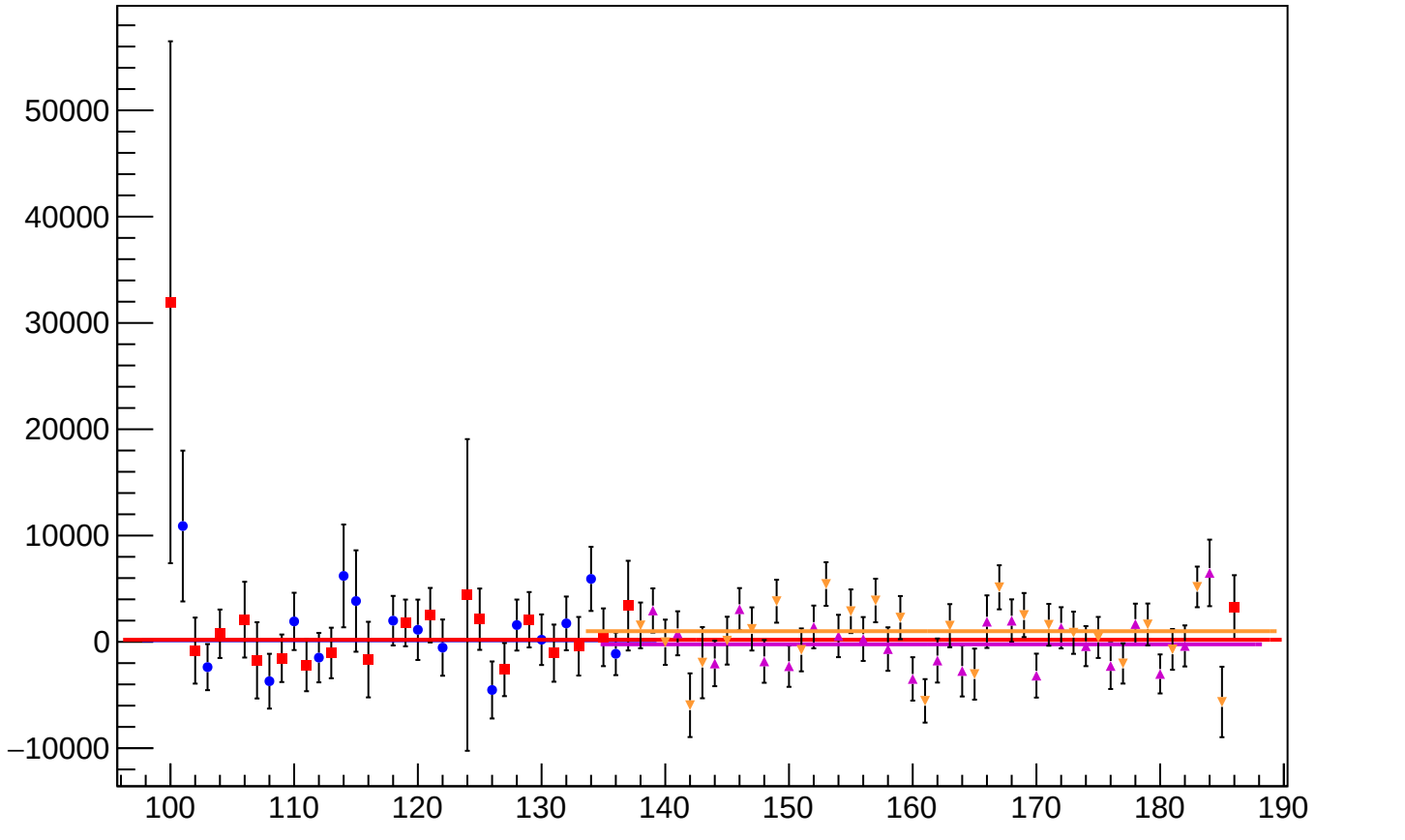
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1023.163+/-0.299 χ^2/NDF: 18087000.3/35

In: 3644.093+/-0.530 χ^2/NDF:3506400.3/38

Out: 823.399+/-0.207 χ^2/NDF:37790423.1/44

All: 1196.603+/-0.193 χ^2/NDF: 65900062.2/8



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 196.956+/-640.436 χ^2/NDF: 10.0/19

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

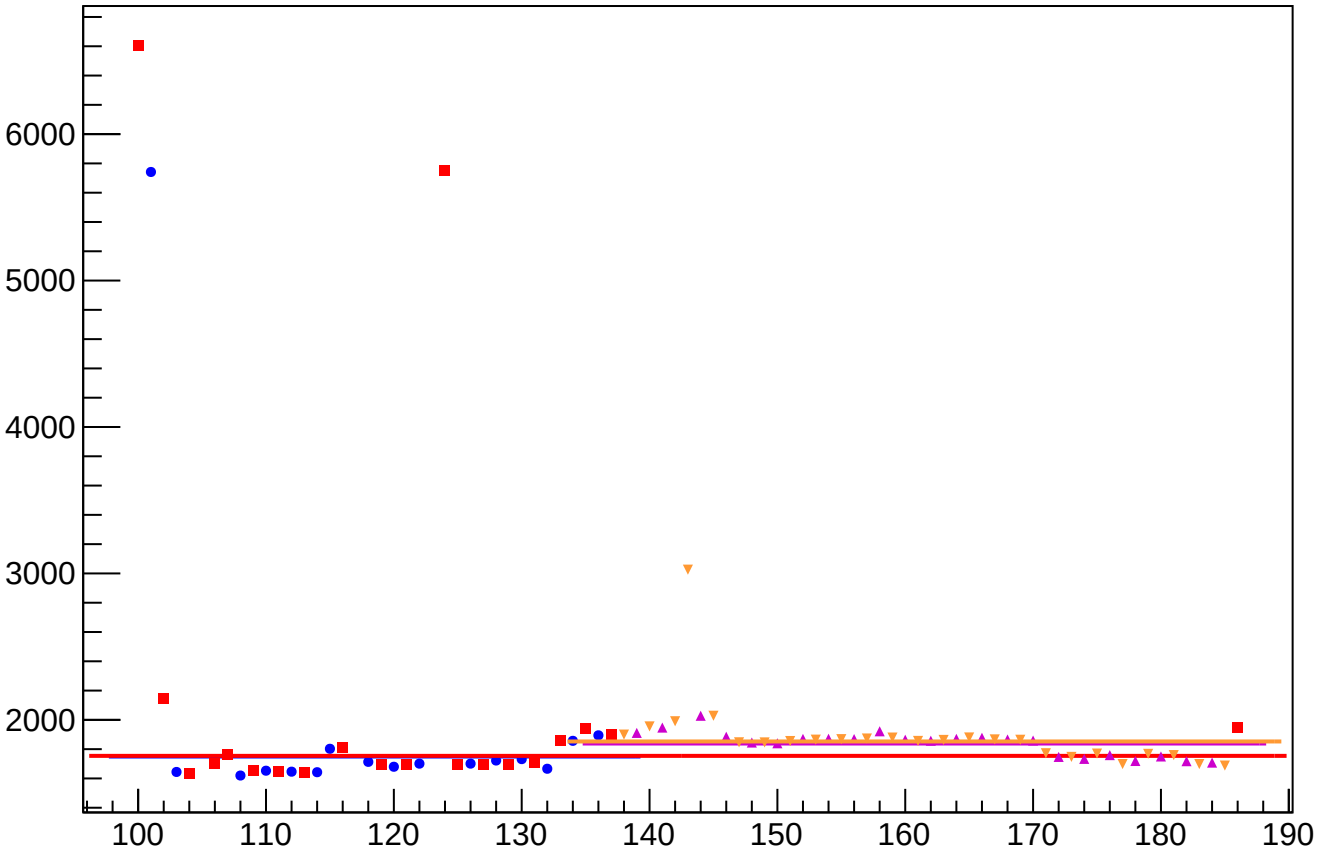
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 174.554+/-461.972 χ^2/NDF: 27.7/35

In: -117.939+/-361.233 χ^2/NDF:44.2/38

Out: 759.292+/-352.718 χ^2/NDF:58.5/44

All: 331.138+/-252.366 χ^2/NDF: 105.8/83



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

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

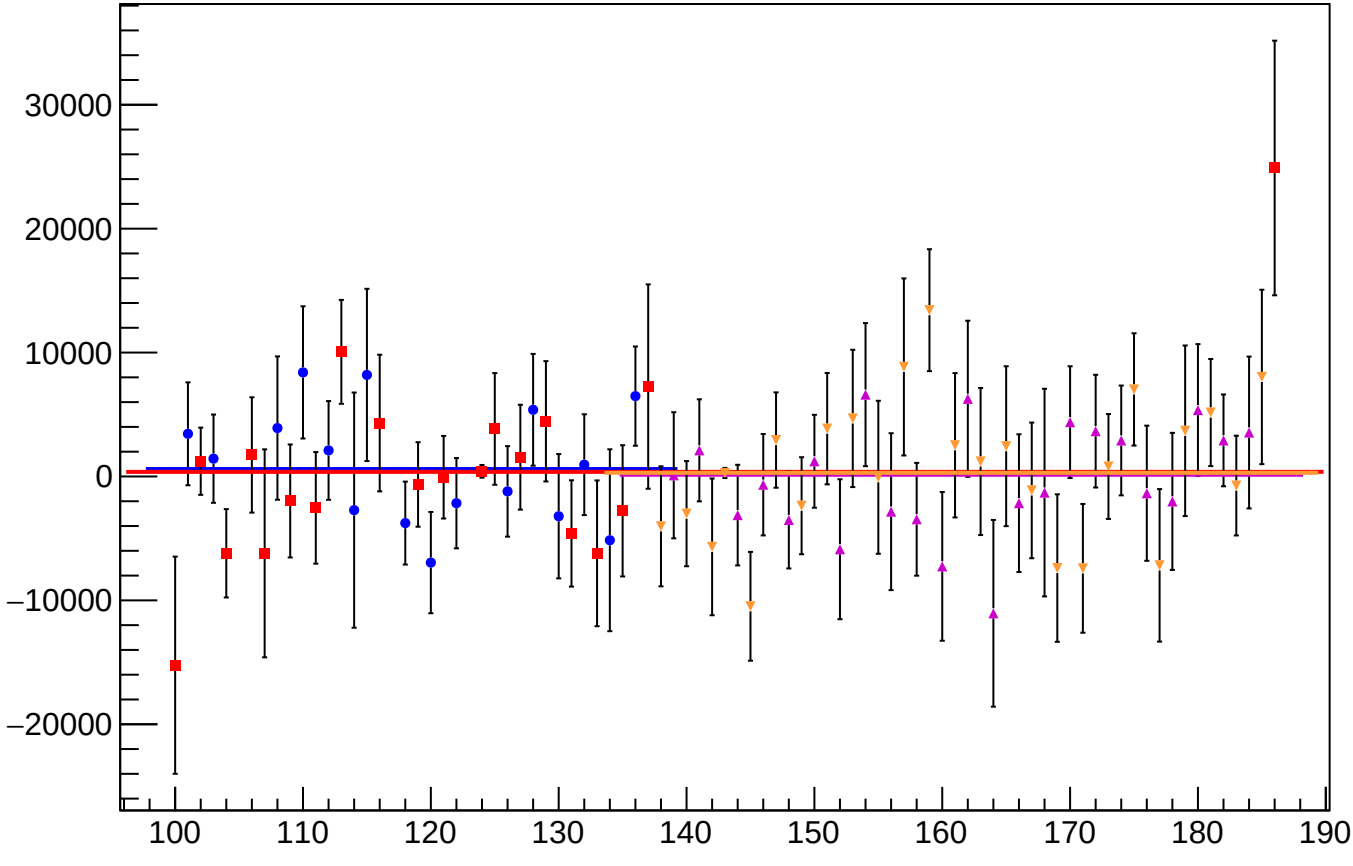
Right: 1752.117+/-0.326 χ^2/NDF: 976136.3/35

In: 1812.525+/-0.255 χ^2/NDF:763027.8/38

Out: 1822.552+/-0.249 χ^2/NDF:660582.1/44

All: 1817.663+/-0.178 χ^2/NDF: 1424399.6/83

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

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

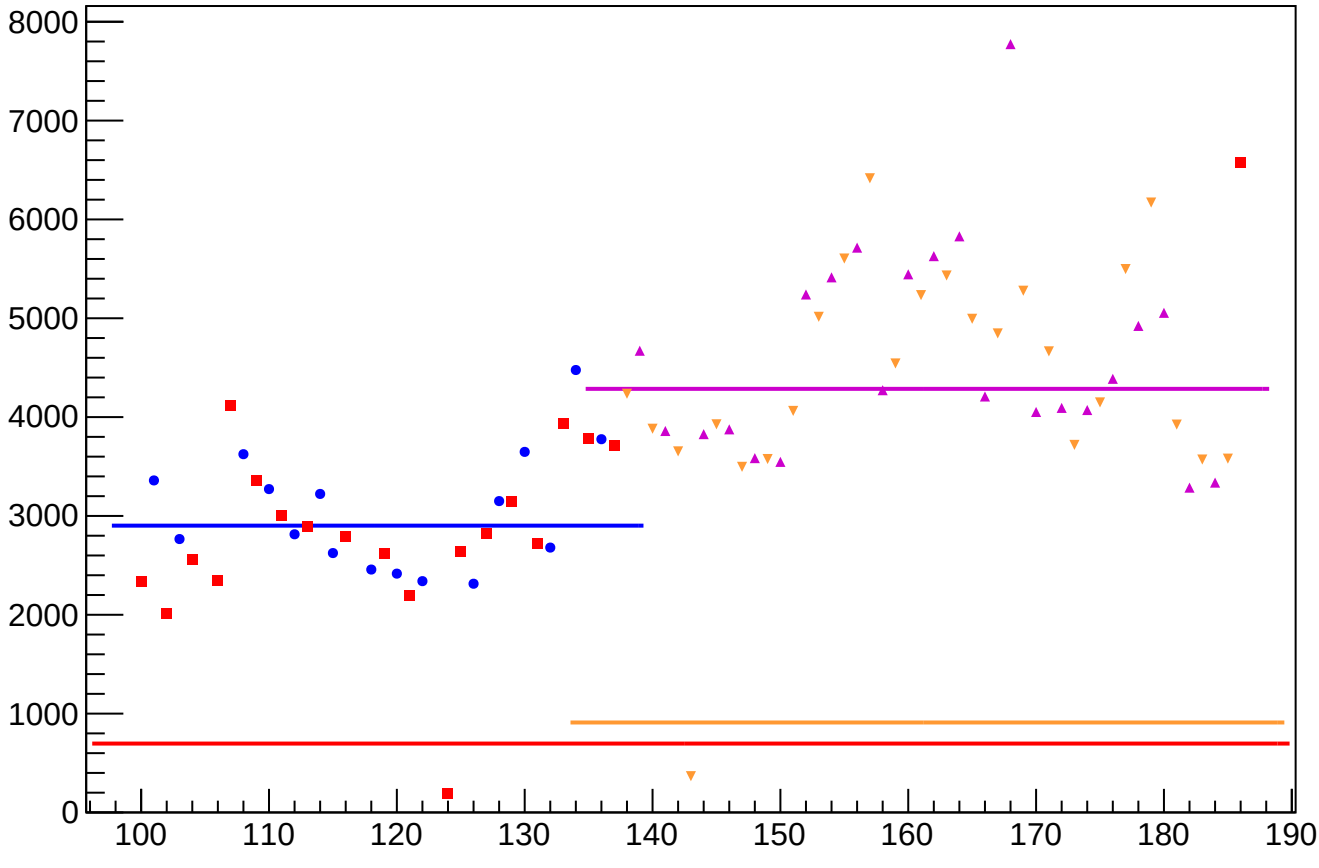
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 405.824+/-423.141 χ^2/NDF: 39.6/35

In: 352.465+/-749.130 χ^2/NDF:28.8/38

Out: 326.570+/-292.530 χ^2/NDF:54.8/44

All: 329.996+/-272.491 χ^2/NDF: 83.6/83



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

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

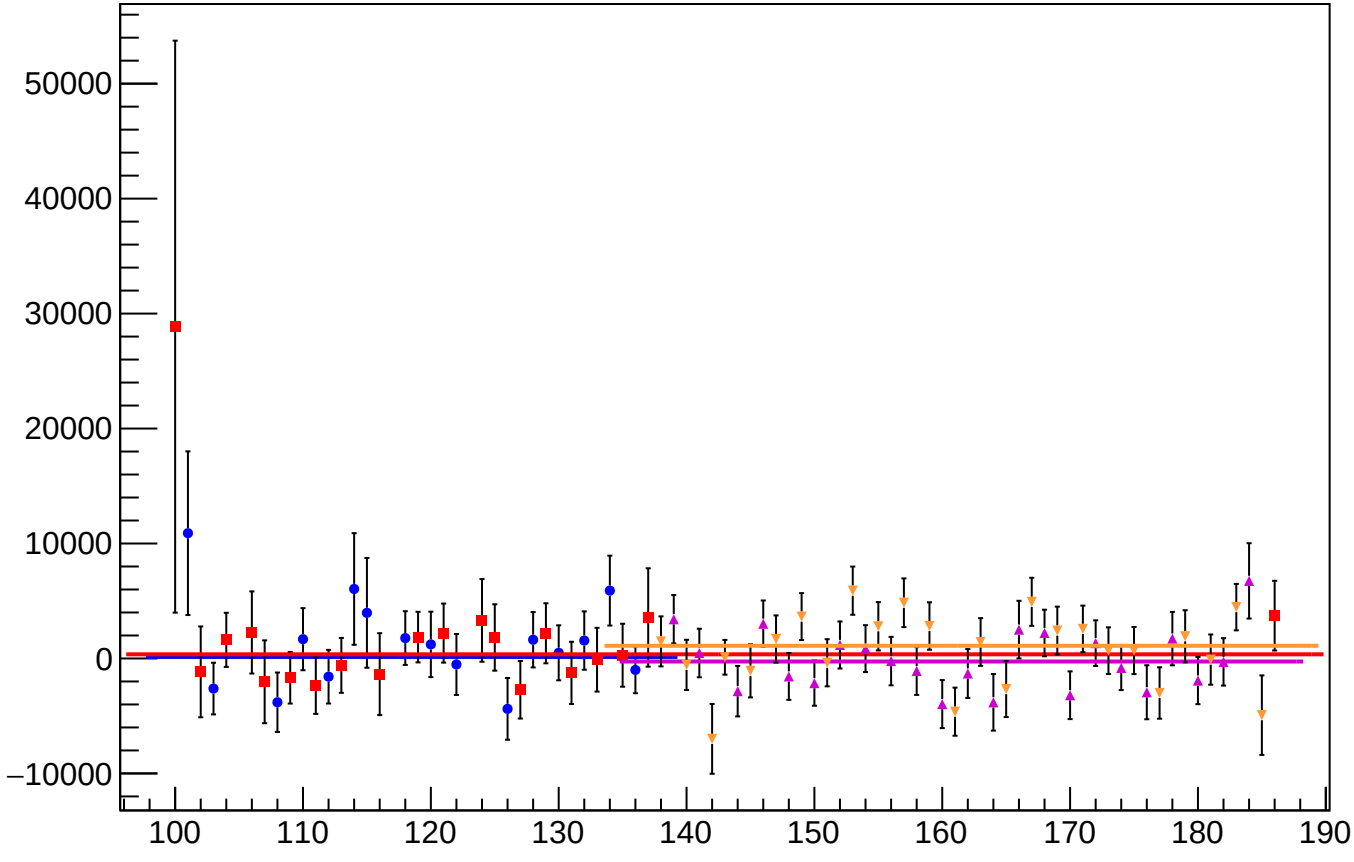
Right: 1023.163+/-0.299 χ^2/NDF: 18087000.3/35

In: 3644.093+/-0.530 χ^2/NDF:3506400.3/38

Out: 823.399+/-0.207 χ^2/NDF:37790423.1/44

All: 1196.603+/-0.193 χ^2/NDF: 65900062.2/8

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

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

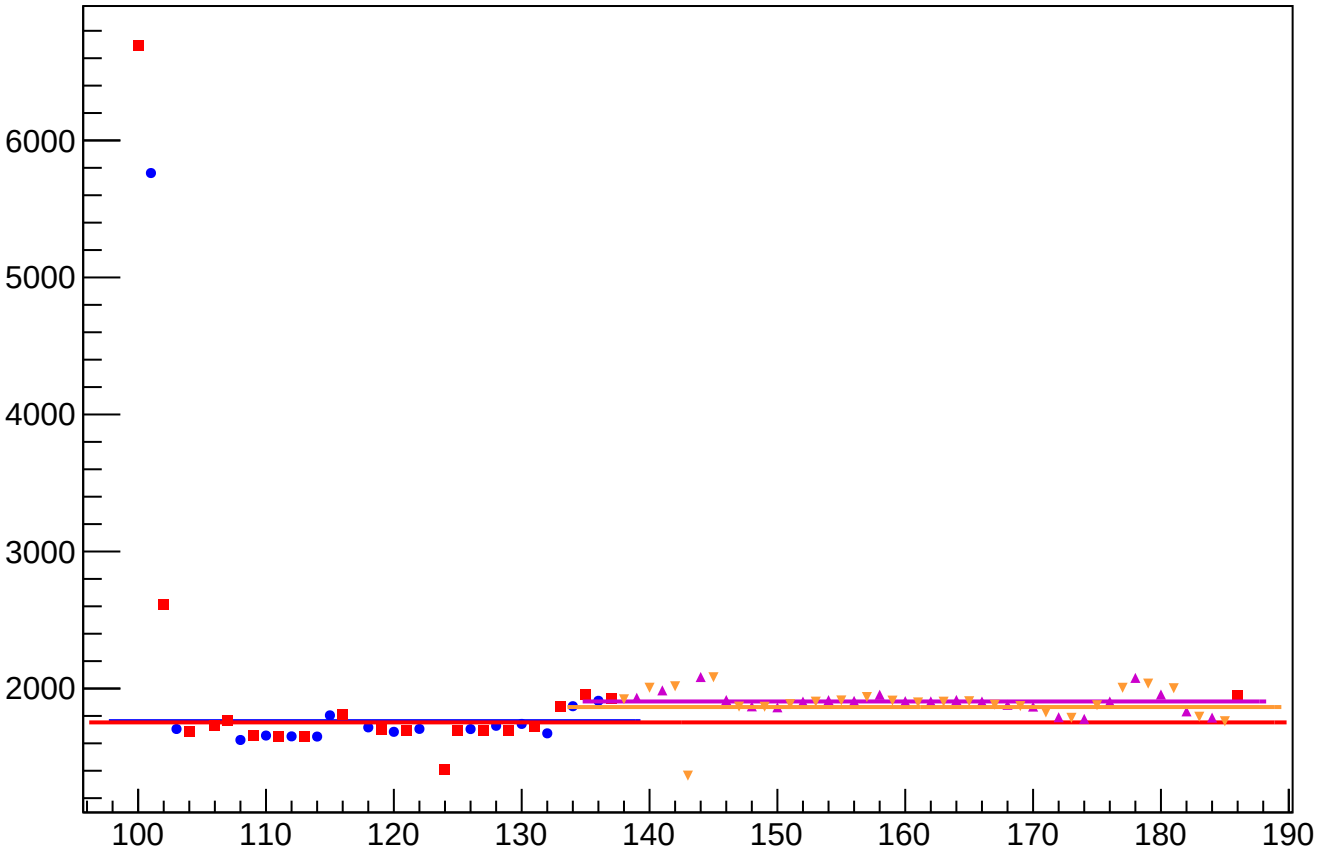
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: 253.485+/-463.217 χ^2/NDF: 28.3/35

In: -142.918+/-371.166 χ^2/NDF:45.2/38

Out: 876.083+/-354.184 χ^2/NDF:56.7/44

All: 390.426+/-256.239 χ^2/NDF: 105.9/83



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

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

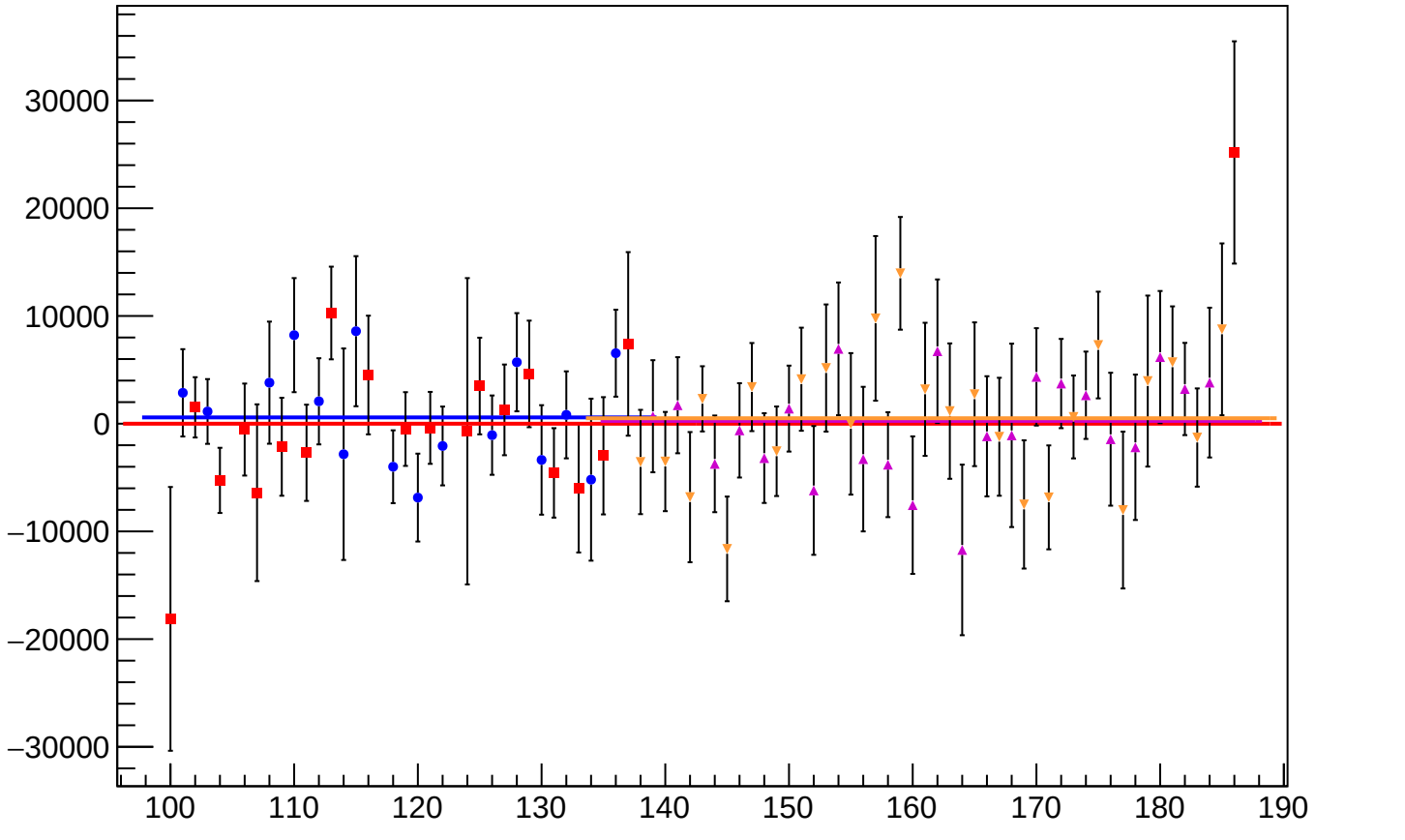
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1757.238+/-0.327 χ^2/NDF: 904580.5/35

In: 1861.778+/-0.262 χ^2/NDF:783963.2/38

Out: 1830.394+/-0.250 χ^2/NDF:574034.8/44

All: 1845.338+/-0.181 χ^2/NDF: 1365488.1/83



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

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

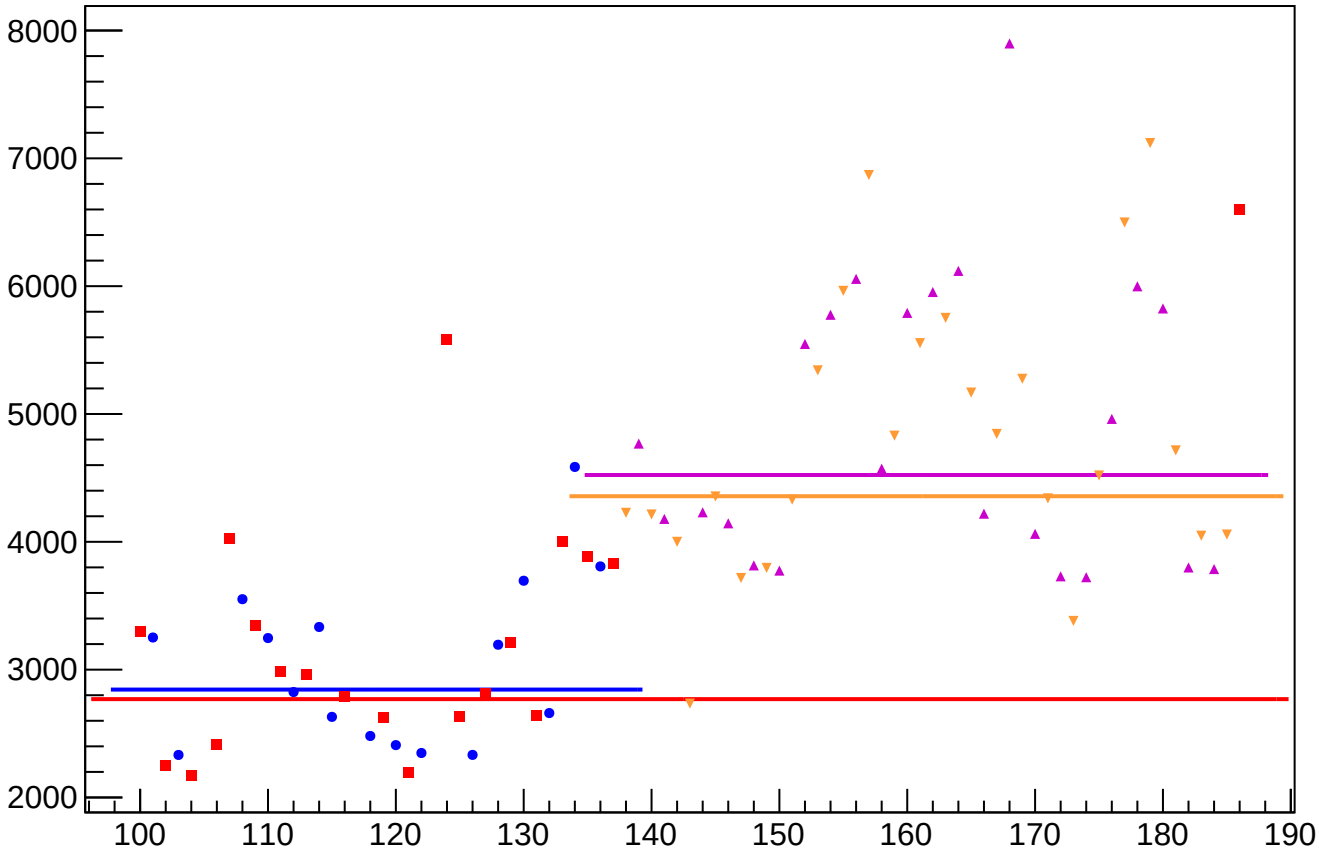
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 271.021+/-740.508 χ^2/NDF: 39.0/35

In: 421.625+/-764.695 χ^2/NDF:28.5/38

Out: 248.894+/-720.440 χ^2/NDF:54.1/44

All: 330.117+/-524.375 χ^2/NDF: 82.7/83



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

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

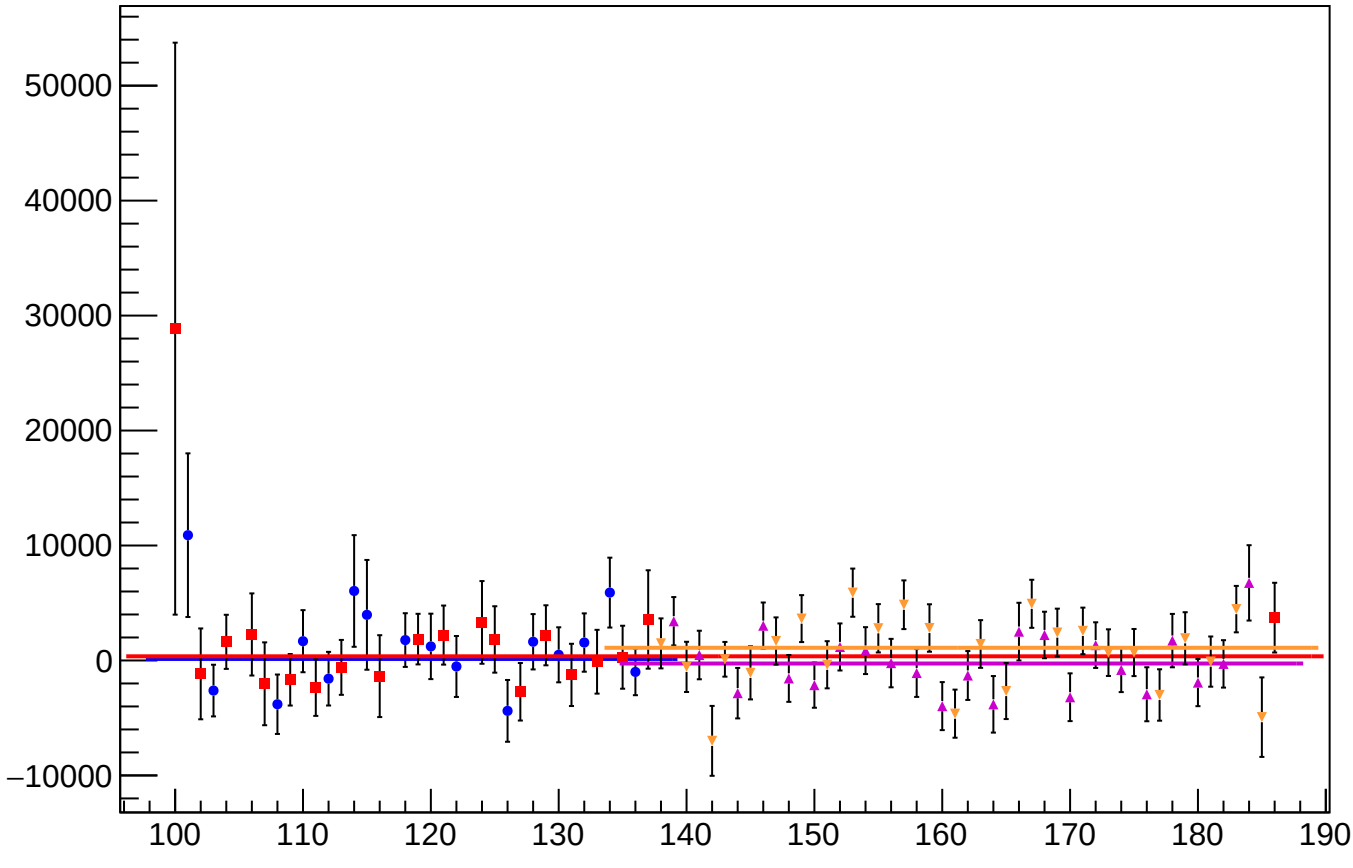
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2804.484+/-0.524 χ^2/NDF: 1436536.0/35

In: 3683.531+/-0.541 χ^2/NDF:4385426.6/38

Out: 3558.669+/-0.509 χ^2/NDF:5228426.7/44

All: 3617.383+/-0.371 χ^2/NDF: 9642102.4/83



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

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

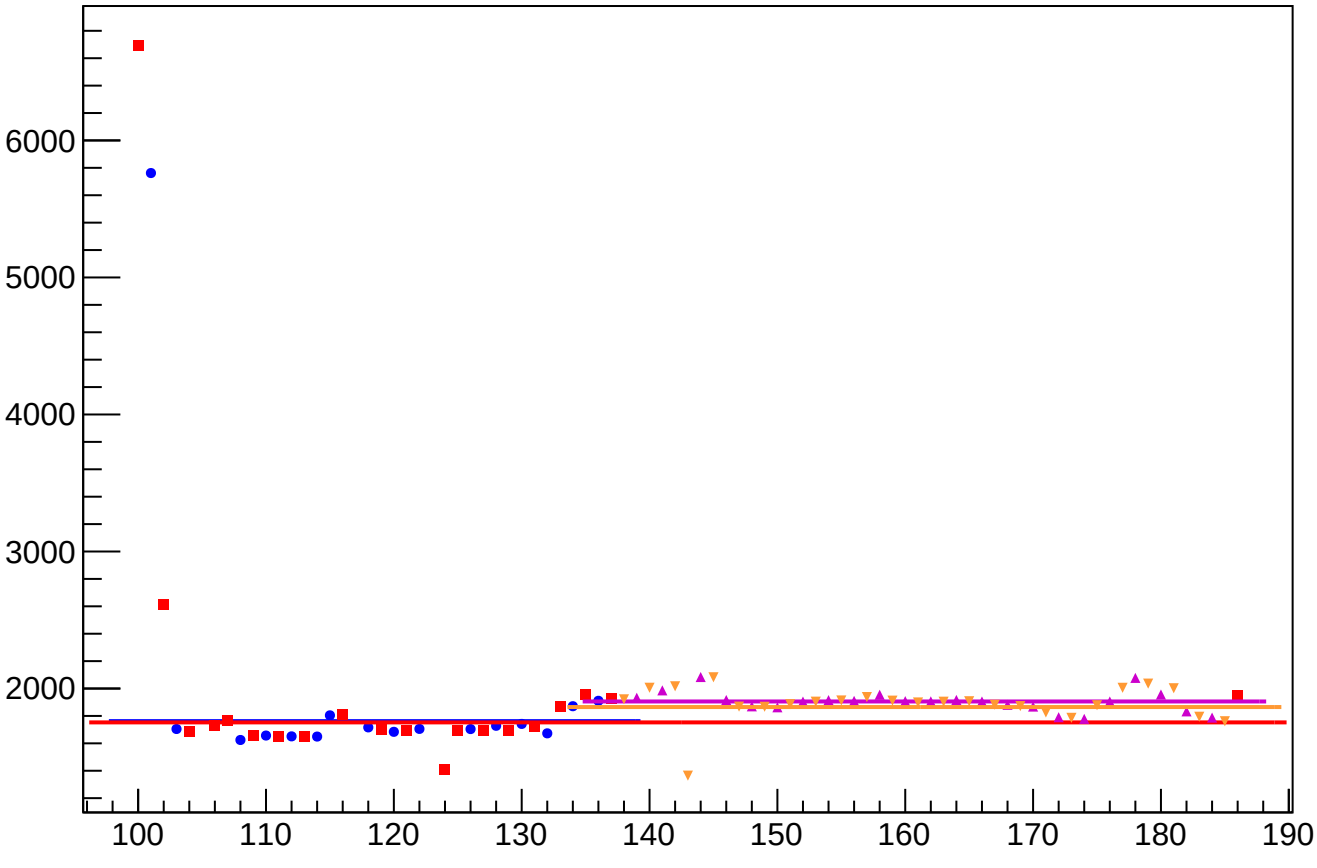
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 253.481+/-463.217 χ^2/NDF: 28.3/35

In: -142.918+/-371.166 χ^2/NDF:45.2/38

Out: 876.082+/-354.184 χ^2/NDF:56.7/44

All: 390.426+/-256.239 χ^2/NDF: 105.9/83



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

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

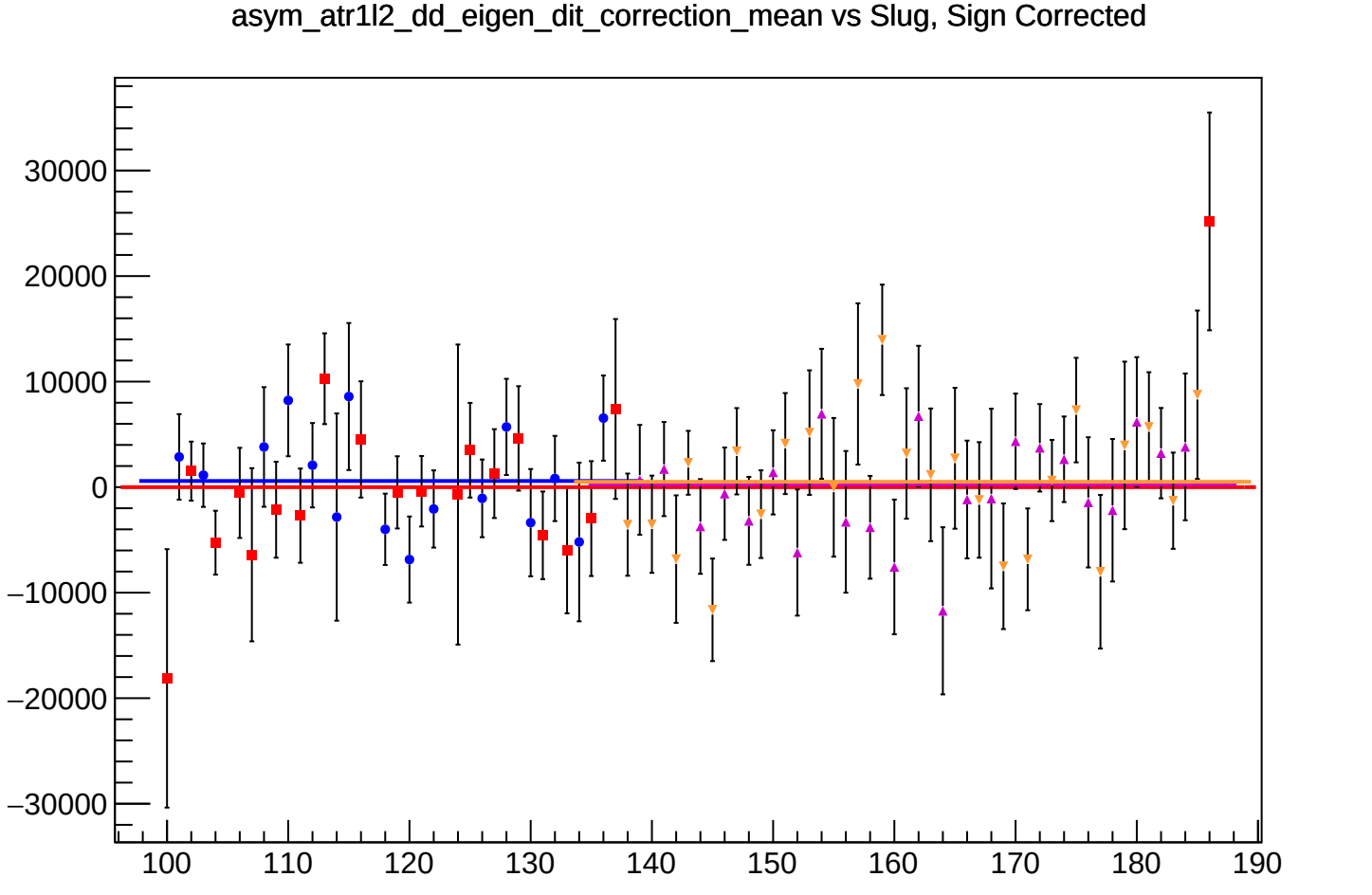
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

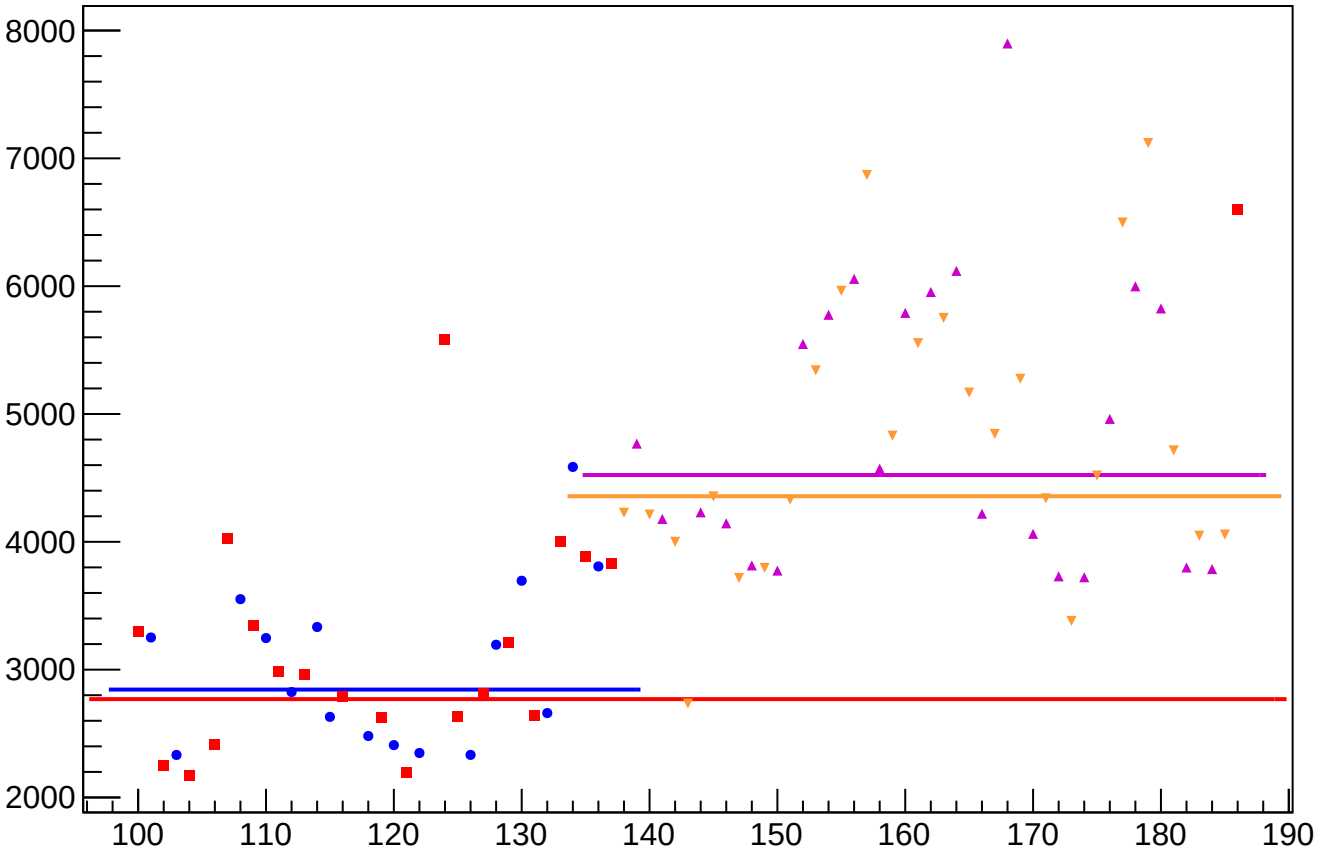
Right: 1757.238+/-0.327 χ^2/NDF: 904580.4/35

In: 1861.778+/-0.262 χ^2/NDF:783966.4/38

Out: 1830.395+/-0.250 χ^2/NDF:574038.9/44

All: 1845.339+/-0.181 χ^2/NDF: 1365495.4/83


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 582.219+/-1081.478 χ²/NDF: 14.9/15
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: -3.667+/-1016.049 χ²/NDF: 23.9/19
Left In: 261.051+/-1081.404 χ²/NDF:13.6/22
Left: 389.559+/-742.655 χ²/NDF: 43.7/47
Right: 271.018+/-740.506 χ²/NDF: 39.0/35
In: 421.624+/-764.694 χ²/NDF:28.5/38
Out: 248.894+/-720.440 χ²/NDF:54.1/44
All: 330.116+/-524.375 χ²/NDF: 82.7/83



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

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

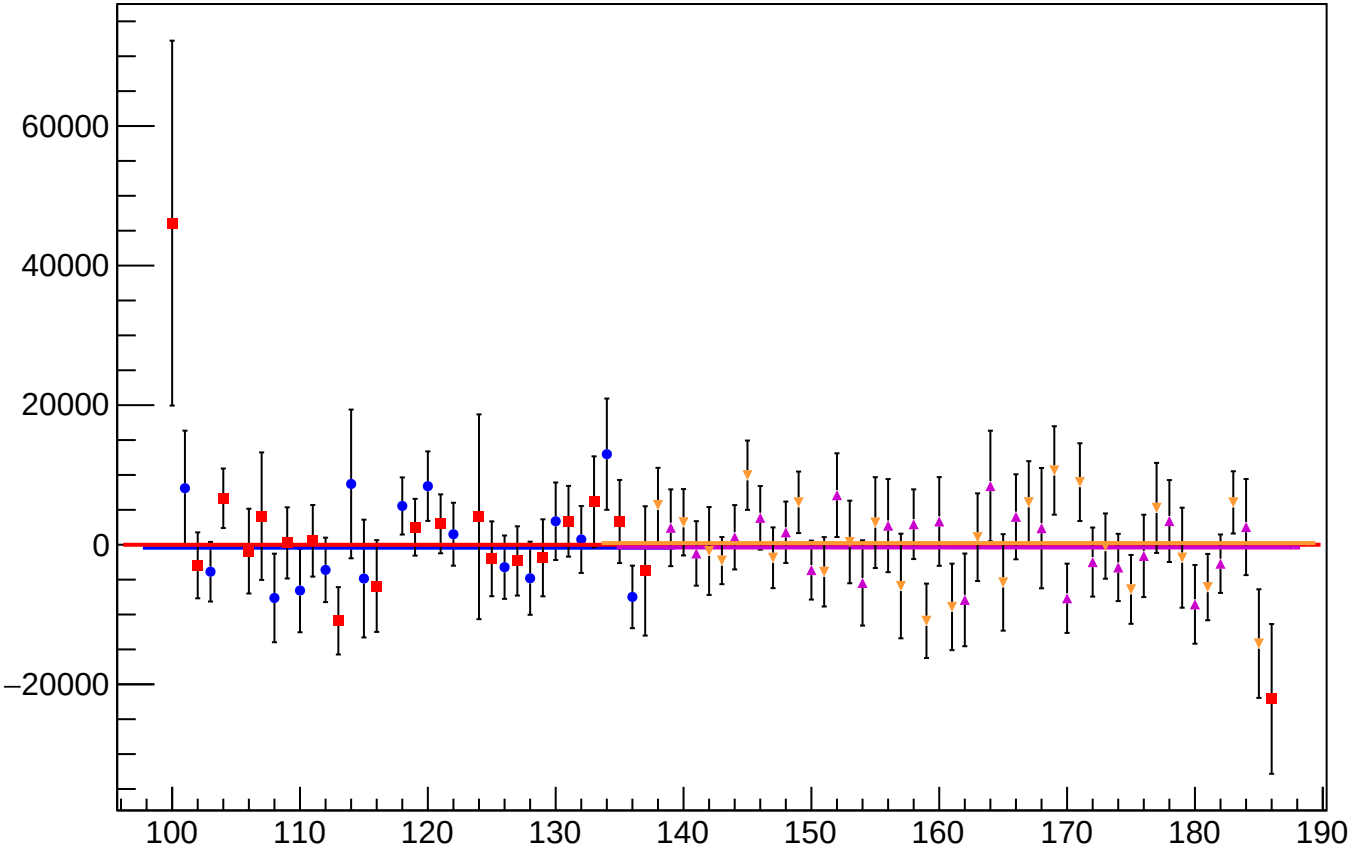
Right: 2804.477+/-0.524 χ^2/NDF: 1436537.5/35

In: 3683.528+/-0.541 χ^2/NDF:4385477.7/38

Out: 3558.667+/-0.509 χ^2/NDF:5228468.9/44

All: 3617.380+/-0.371 χ^2/NDF: 9642195.1/83

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

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

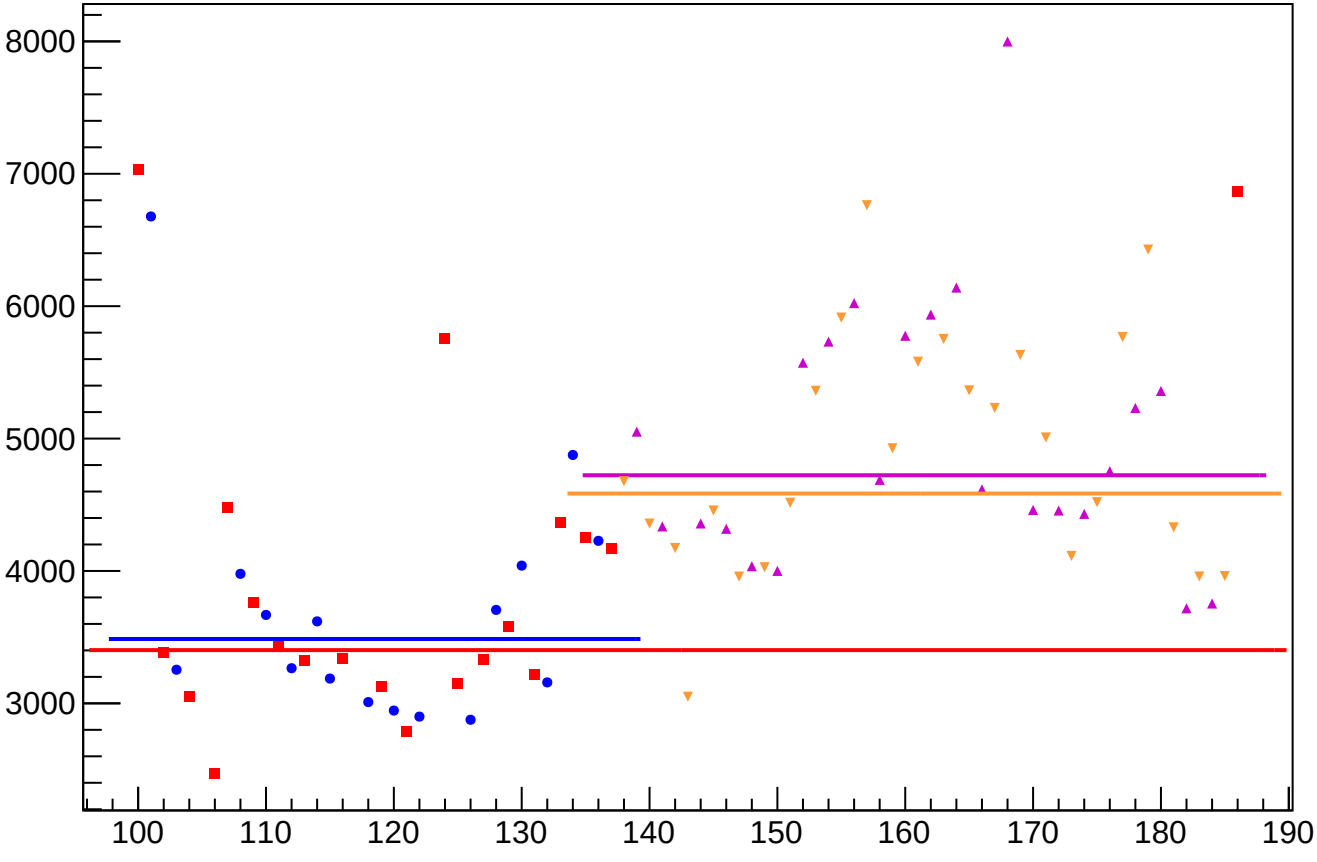
Right: -203.991+/-916.390 χ^2/NDF: 37.5/35

In: -408.397+/-856.557 χ^2/NDF:32.1/38

Out: 138.807+/-815.035 χ^2/NDF:51.8/44

All: -121.211+/-590.450 χ^2/NDF: 84.1/83

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

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

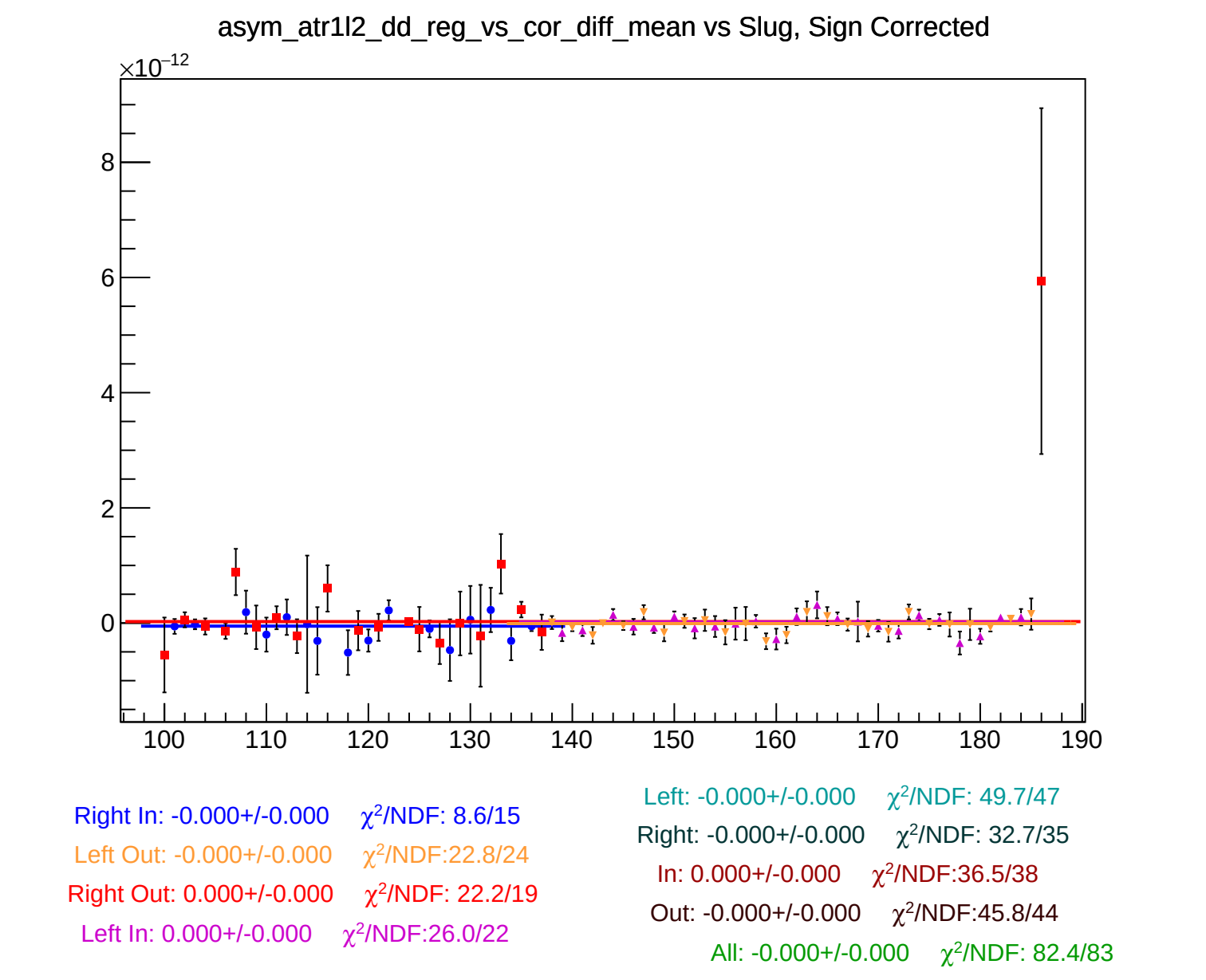
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

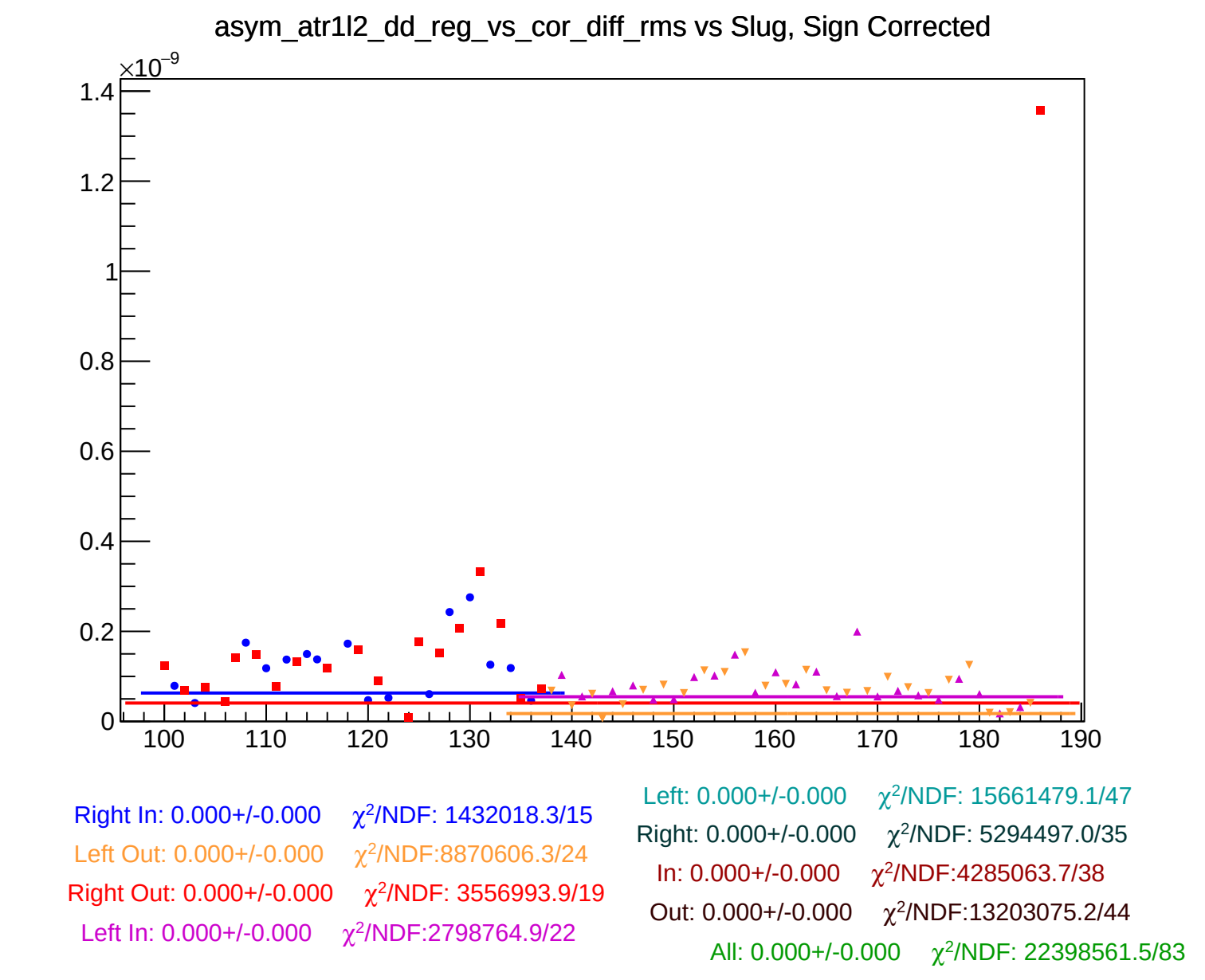
Right: 3441.579+/-0.643 χ^2/NDF: 1188124.8/35

In: 4207.882+/-0.606 χ^2/NDF:2625855.4/38

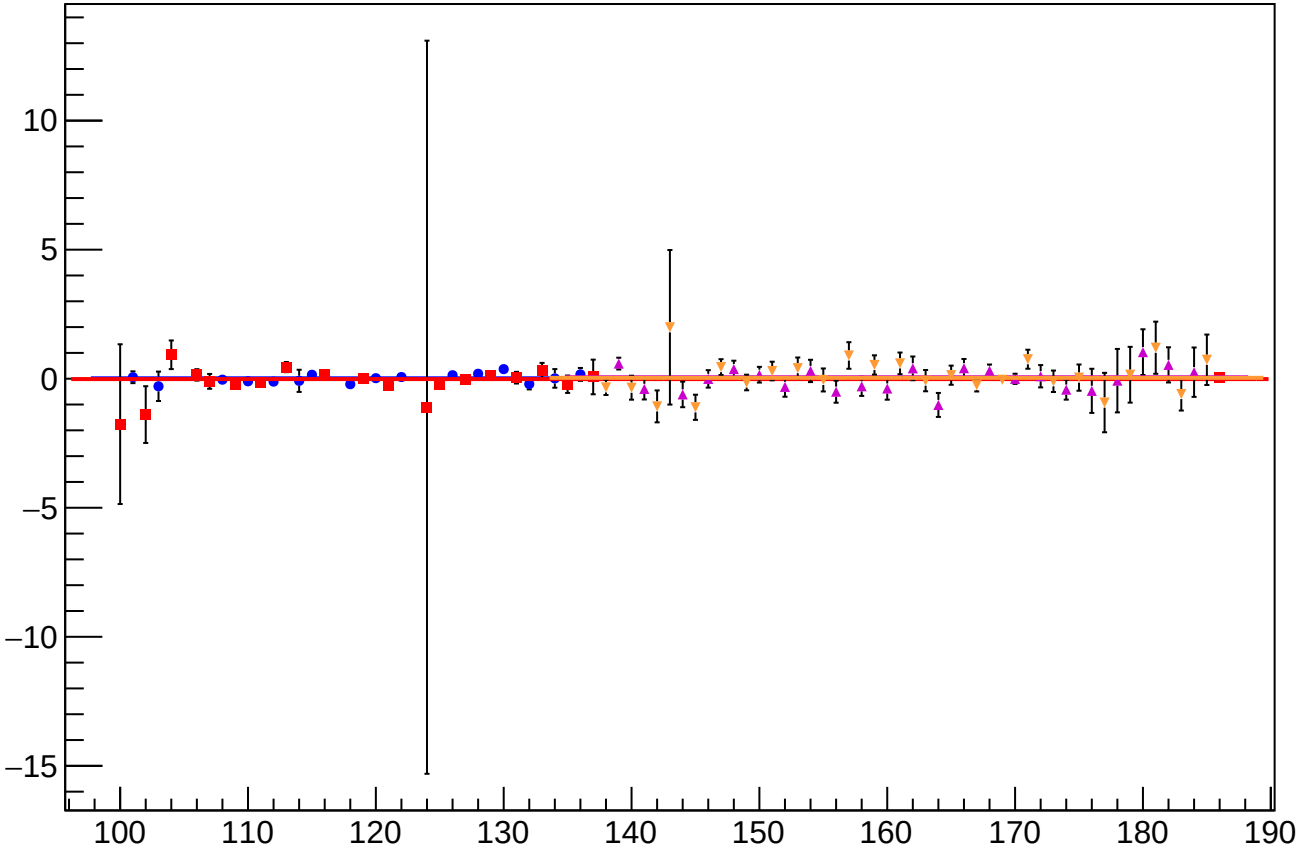
Out: 4087.177+/-0.573 χ^2/NDF:2937888.6/44

All: 4144.186+/-0.416 χ^2/NDF: 5584702.5/83


asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: -0.000+/-0.000 χ²/NDF:22.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/19
Left In: 0.000+/-0.000 χ²/NDF:26.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.7/47
Right: -0.000+/-0.000 χ²/NDF: 32.7/35
In: 0.000+/-0.000 χ²/NDF:36.5/38
Out: -0.000+/-0.000 χ²/NDF:45.8/44
All: -0.000+/-0.000 χ²/NDF: 82.4/83


asym_atr1l2_dd_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: 1432018.3/15
Left Out: 0.000+/-0.000 χ²/NDF:8870606.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 3556993.9/19
Left In: 0.000+/-0.000 χ²/NDF:2798764.9/22
Left: 0.000+/-0.000 χ²/NDF: 15661479.1/47
Right: 0.000+/-0.000 χ²/NDF: 5294497.0/35
In: 0.000+/-0.000 χ²/NDF:4285063.7/38
Out: 0.000+/-0.000 χ²/NDF:13203075.2/44
All: 0.000+/-0.000 χ²/NDF: 22398561.5/83

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-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

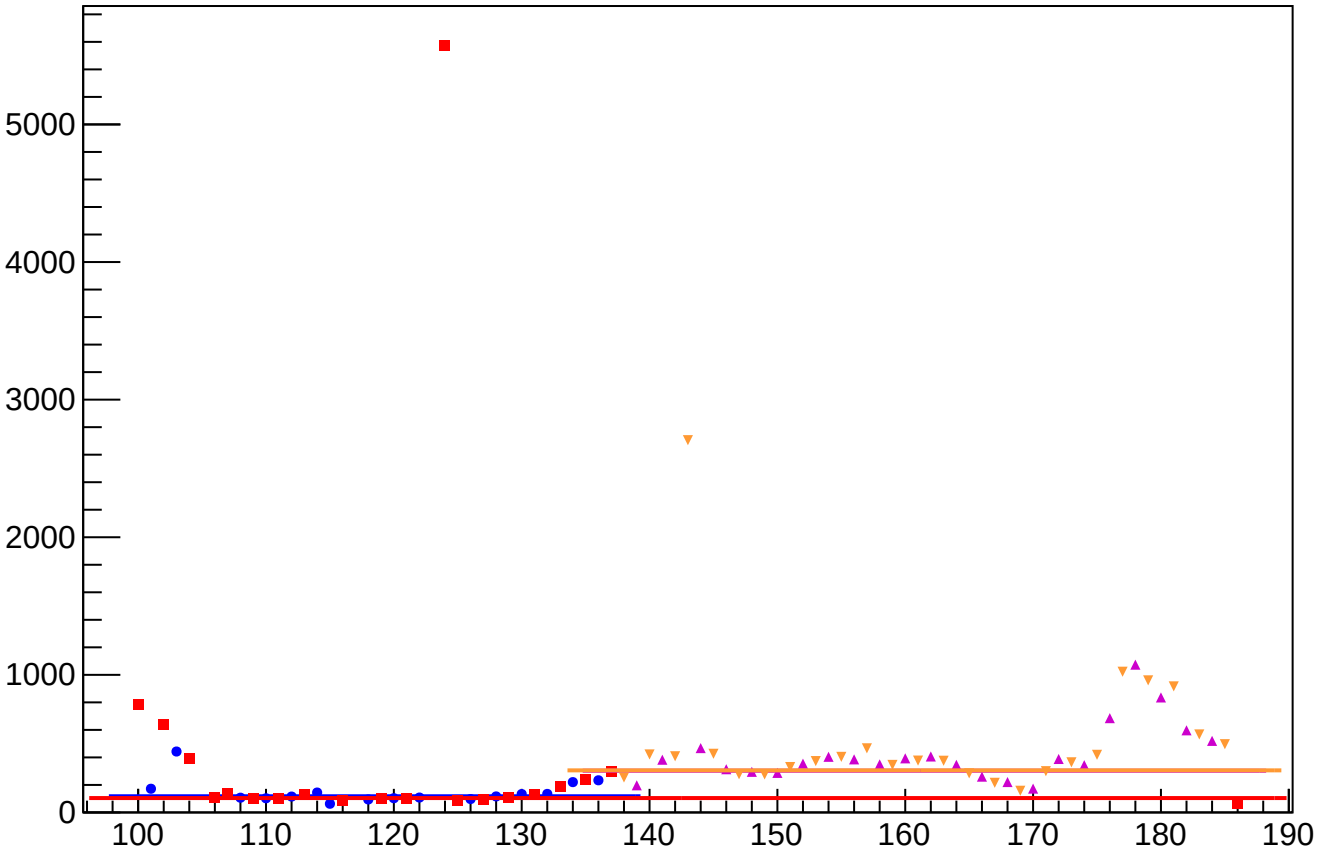
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.001+/-0.032 χ^2/NDF: 34.5/35

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.011+/-0.028 χ^2/NDF: 91.6/83



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

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

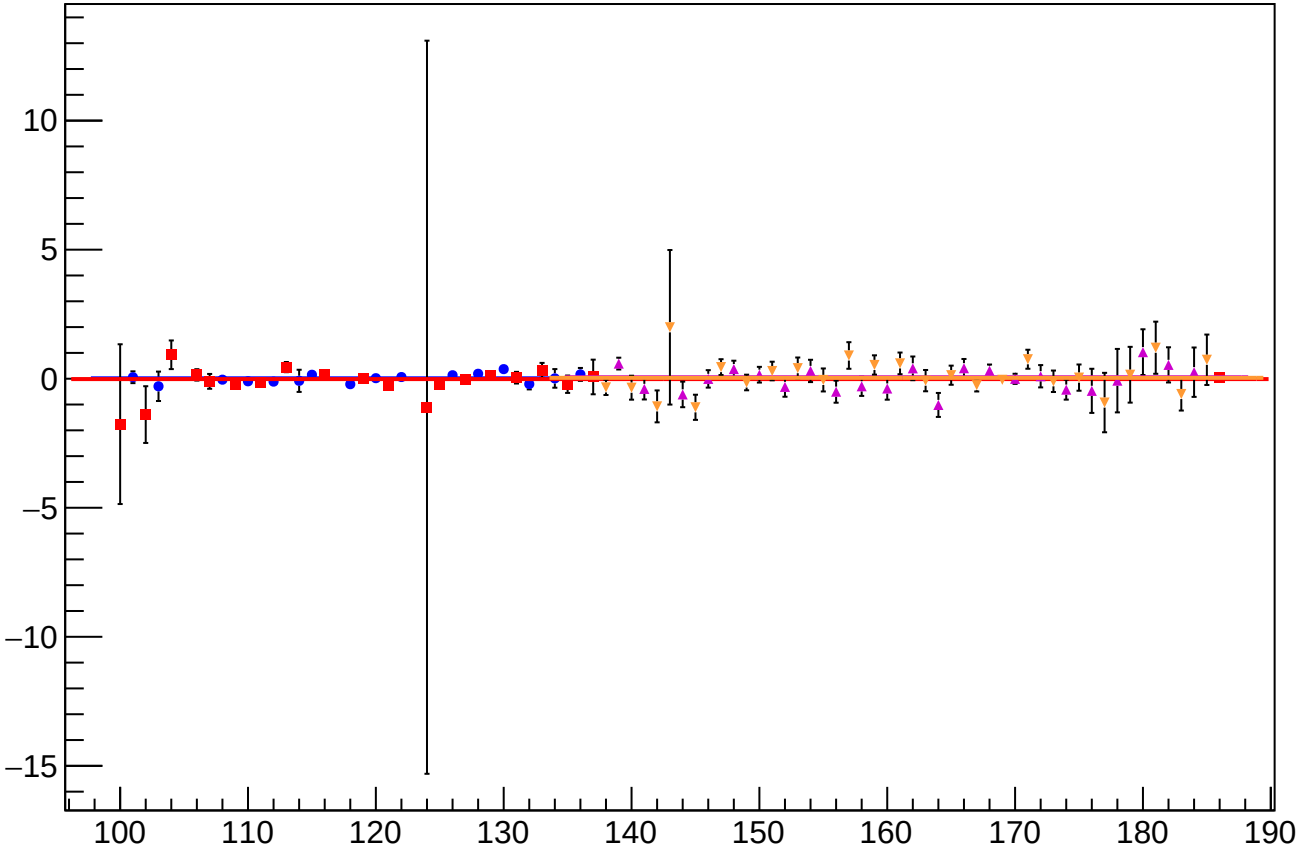
Right: 110.467+/-0.023 χ^2/NDF: 4336036.5/35

In: 169.136+/-0.029 χ^2/NDF:14869112.1/38

Out: 151.973+/-0.027 χ^2/NDF:19374310.9/44

All: 159.918+/-0.020 χ^2/NDF: 34434302.7/83

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-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

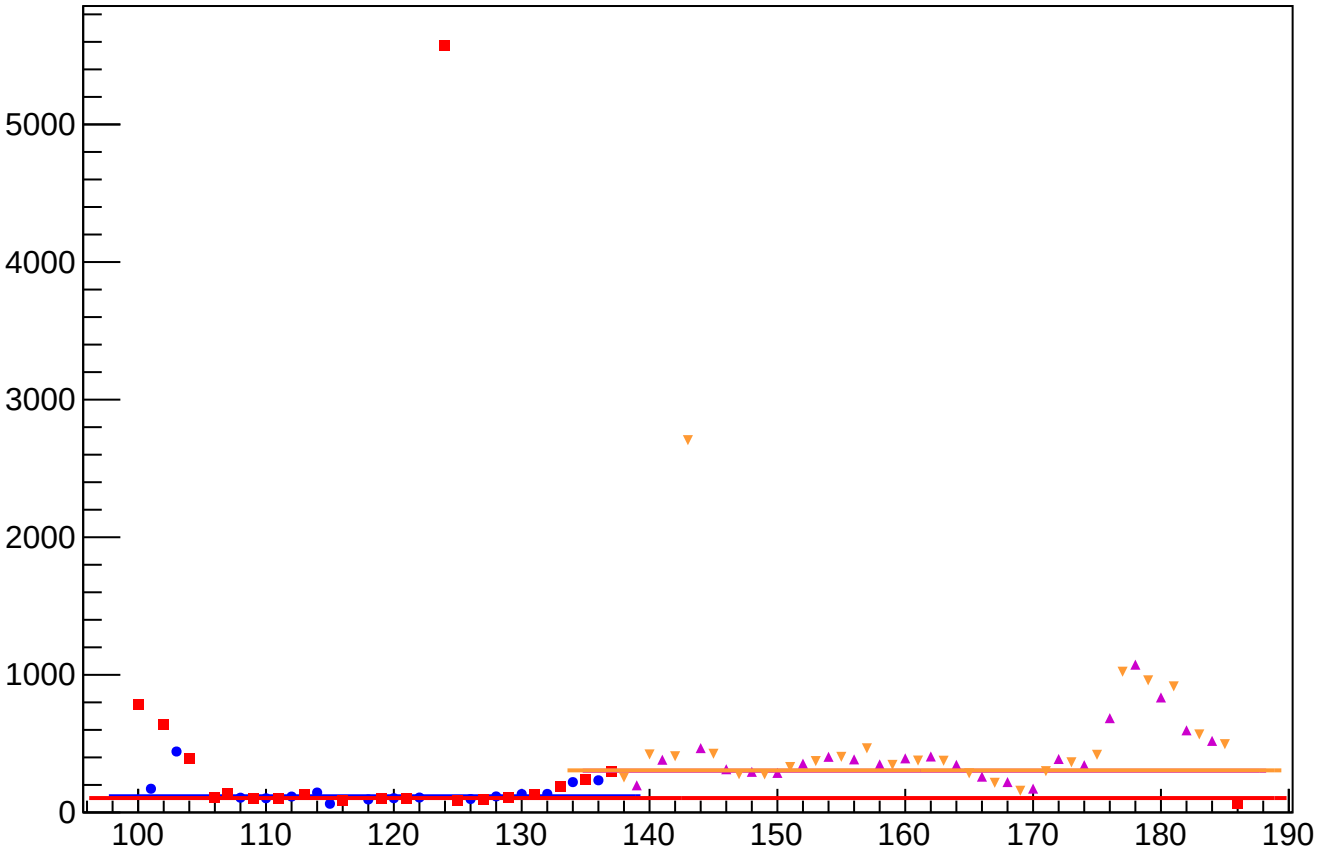
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.001+/-0.032 χ^2/NDF: 34.5/35

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.011+/-0.028 χ^2/NDF: 91.6/83



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

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

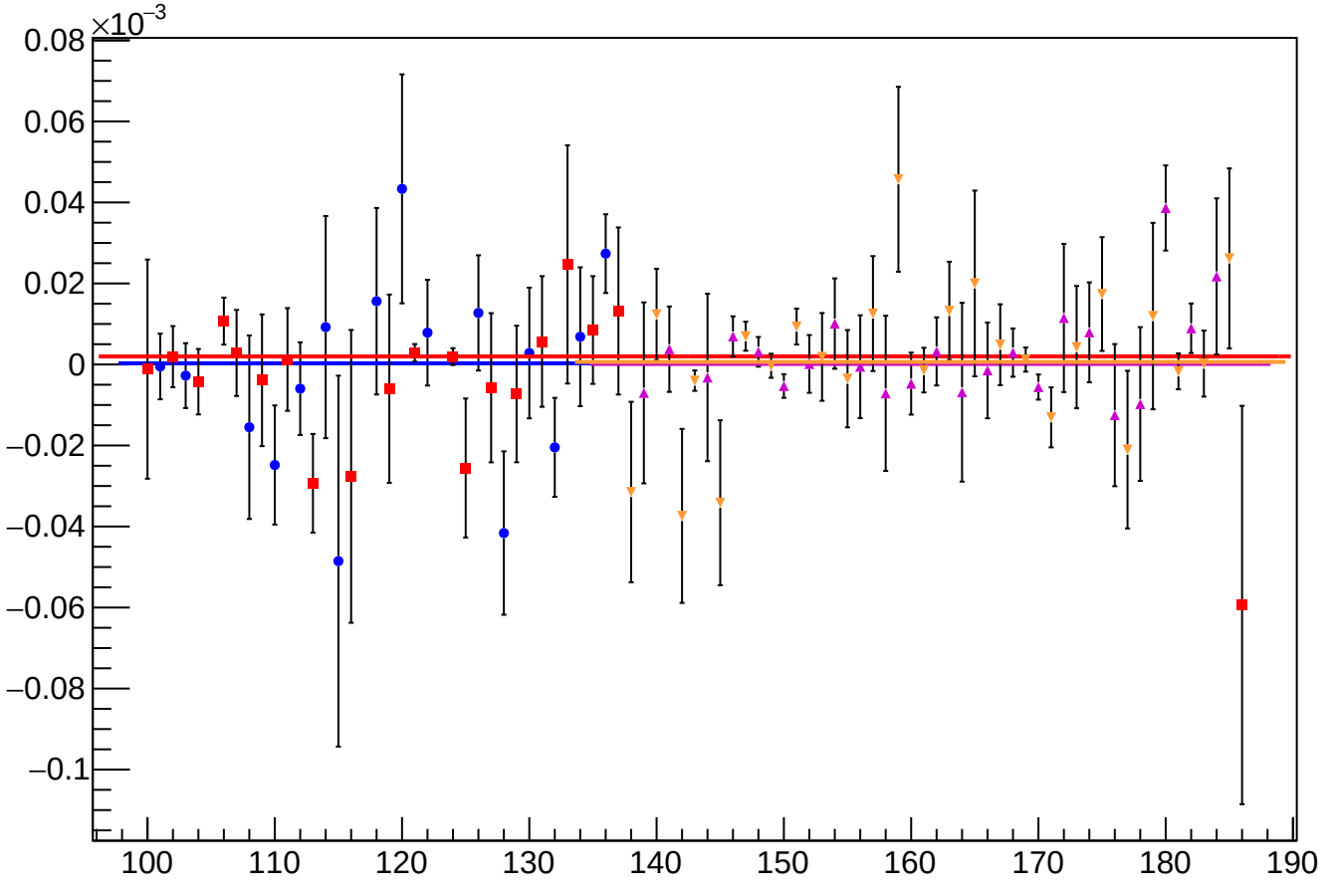
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 110.467+/-0.023 χ^2/NDF: 4336036.5/35

In: 169.136+/-0.029 χ^2/NDF:14869112.1/38

Out: 151.973+/-0.027 χ^2/NDF:19374310.9/44

All: 159.918+/-0.020 χ^2/NDF: 34434302.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/19

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

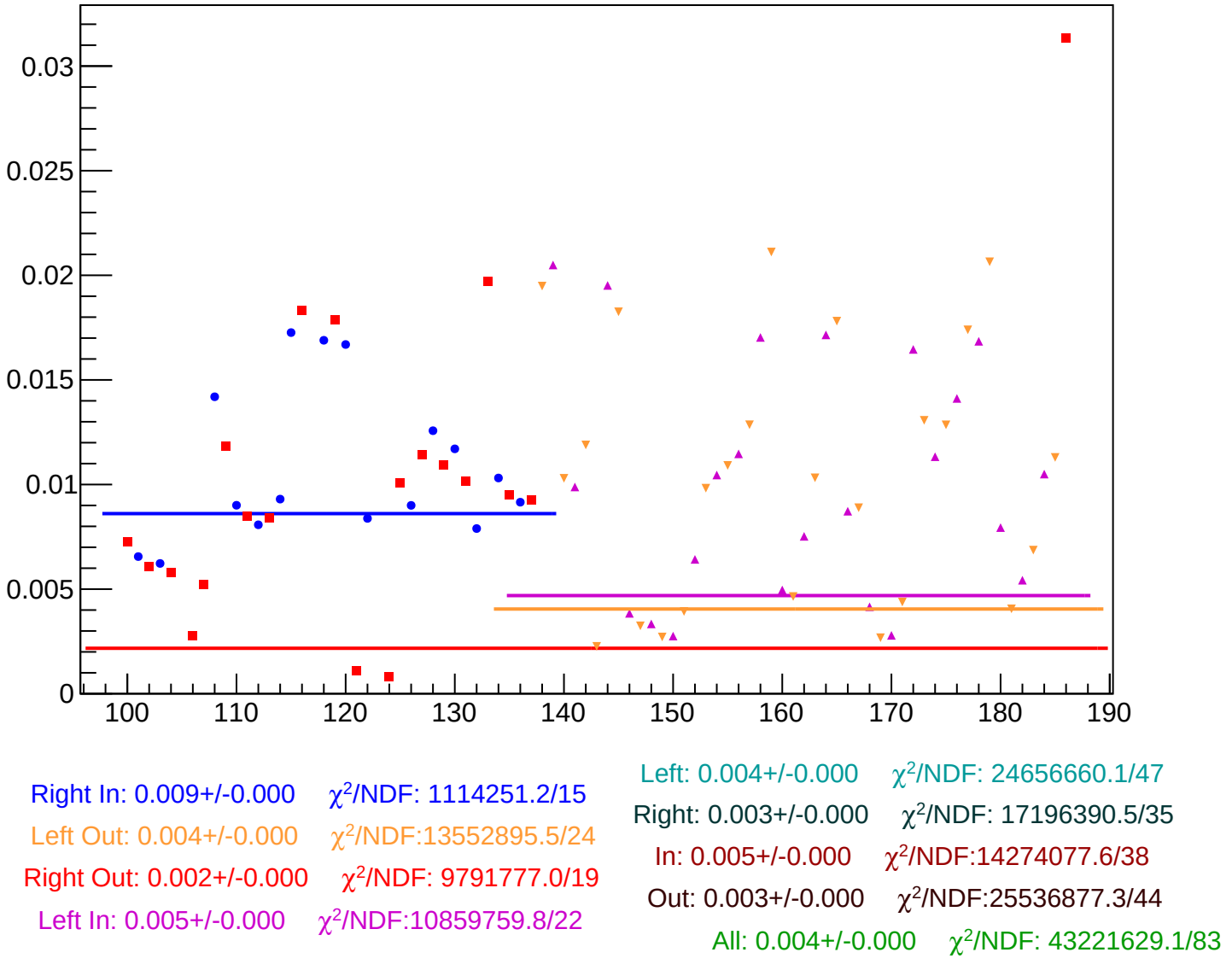
Left: 0.000+/-0.000 χ^2/NDF: 64.5/47

Right: 0.000+/-0.000 χ^2/NDF: 40.7/35

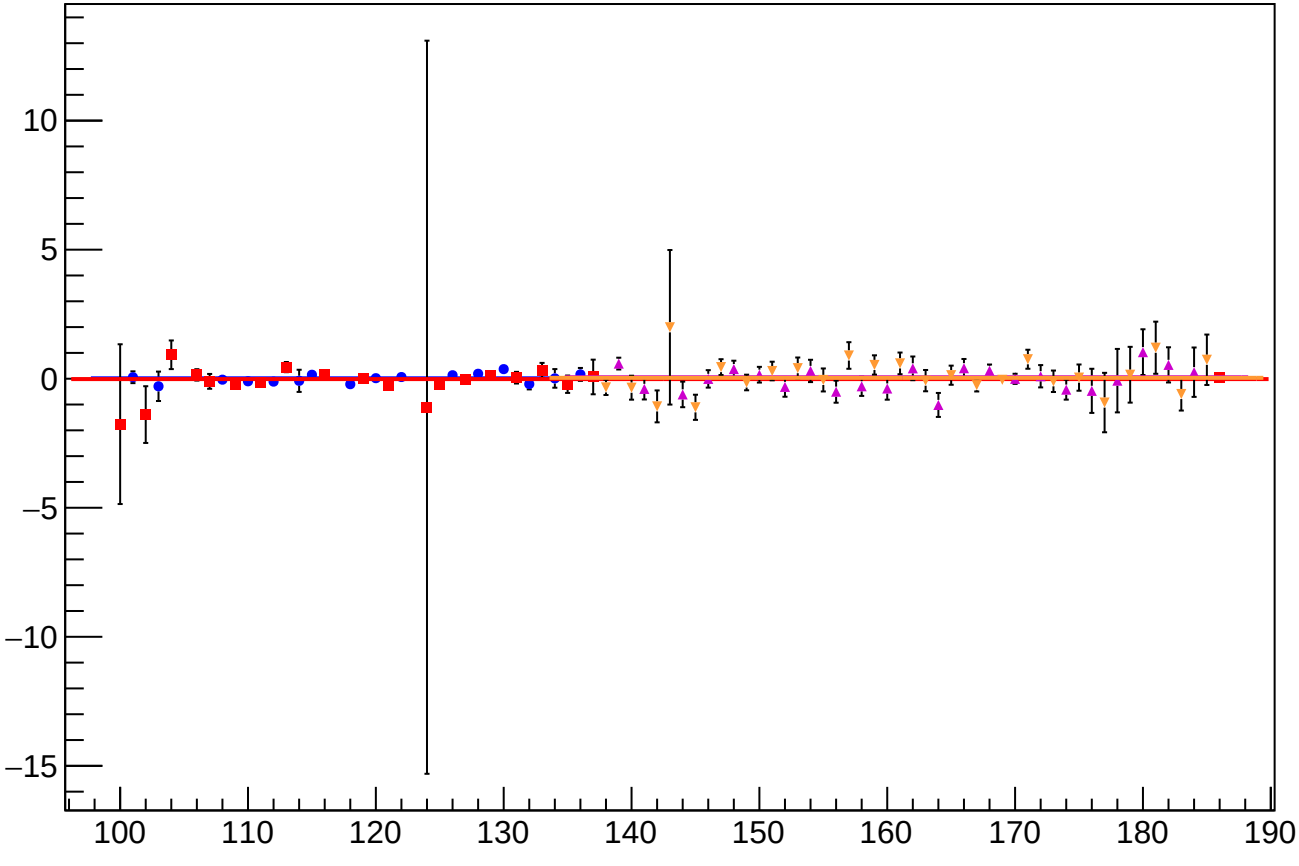
In: 0.000+/-0.000 χ^2/NDF:53.9/38

Out: 0.000+/-0.000 χ^2/NDF:51.5/44

All: 0.000+/-0.000 χ^2/NDF: 105.9/83


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 9791777.0/19
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
Left: 0.004+/-0.000 χ²/NDF: 24656660.1/47
Right: 0.003+/-0.000 χ²/NDF: 17196390.5/35
In: 0.005+/-0.000 χ²/NDF:14274077.6/38
Out: 0.003+/-0.000 χ²/NDF:25536877.3/44
All: 0.004+/-0.000 χ²/NDF: 43221629.1/83

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-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

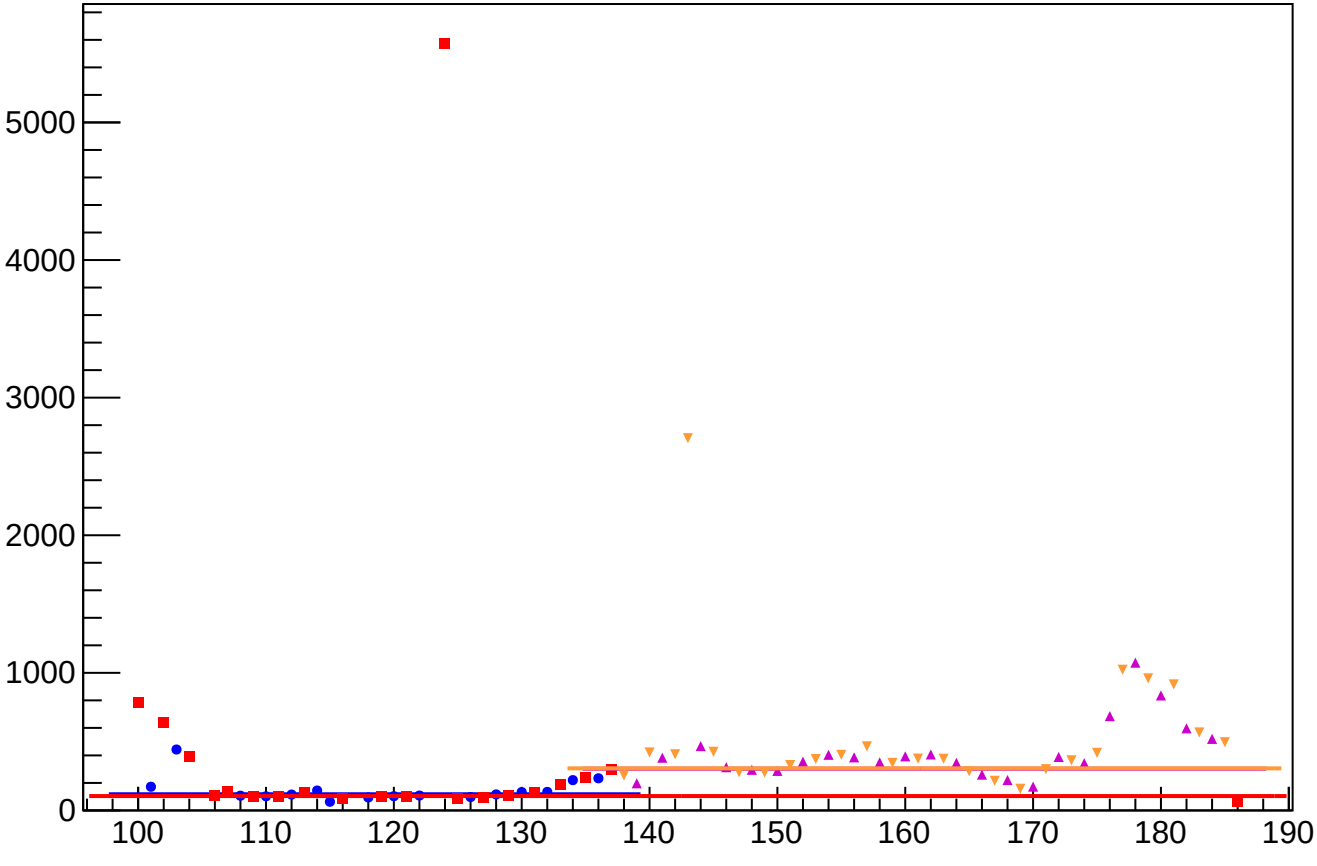
Right: -0.001+/-0.032 χ^2/NDF: 34.5/35

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.011+/-0.028 χ^2/NDF: 91.6/83

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 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

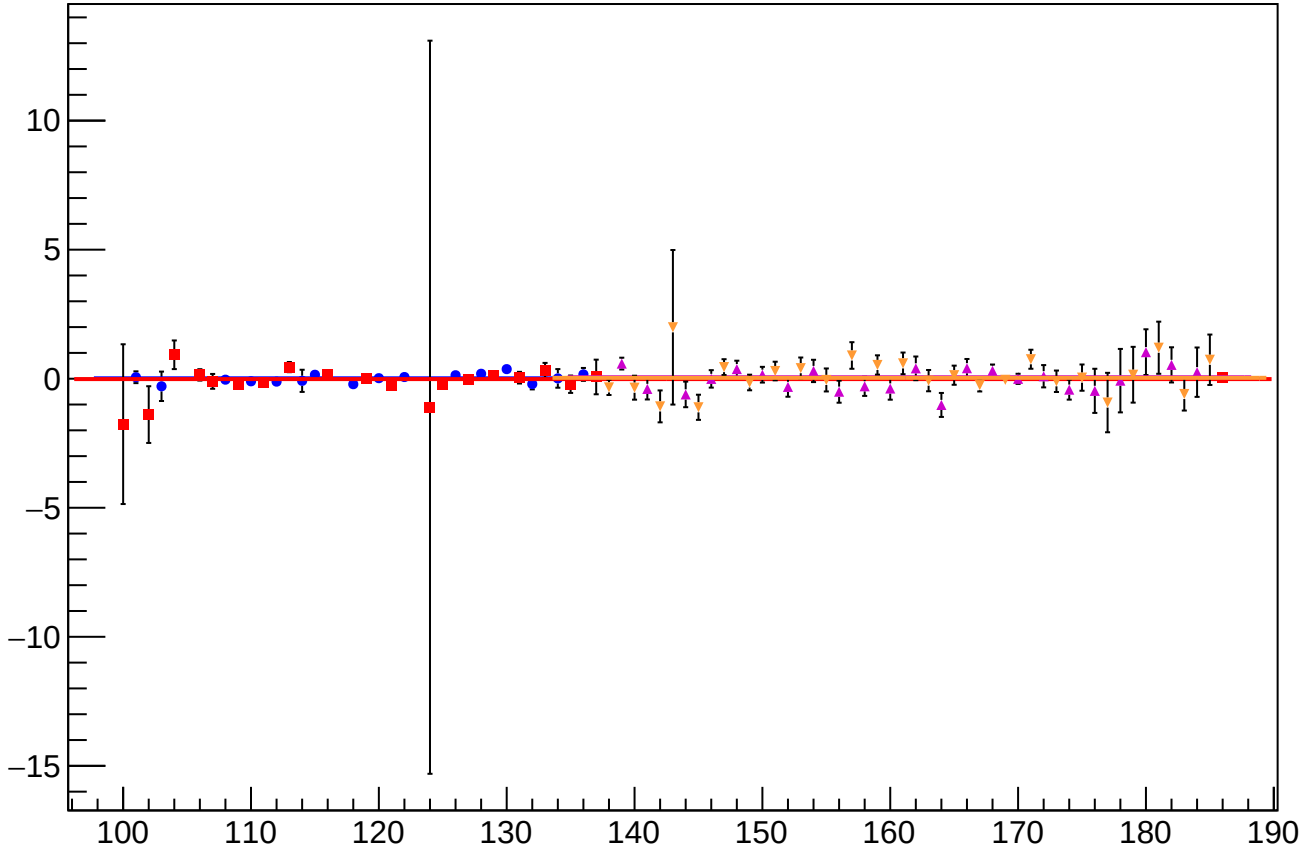
Right: 110.469+/-0.023 χ^2/NDF: 4335788.0/35

In: 169.136+/-0.029 χ^2/NDF:14869208.2/38

Out: 151.976+/-0.027 χ^2/NDF:19373911.3/44

All: 159.920+/-0.020 χ^2/NDF: 34433927.8/83

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.034+/-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

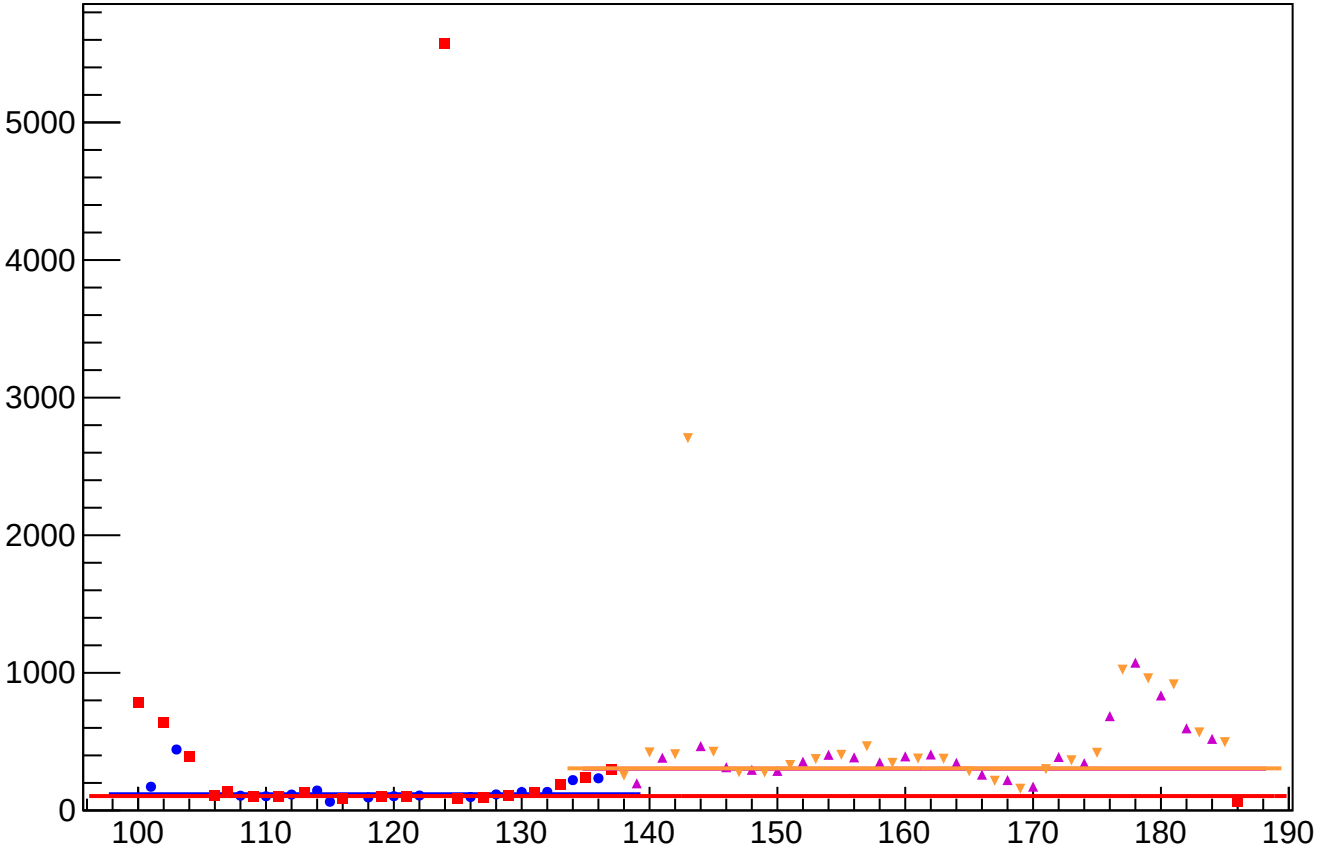
Right: -0.001+/-0.032 χ^2/NDF: 34.5/35

In: 0.027+/-0.041 χ^2/NDF:38.1/38

Out: -0.003+/-0.038 χ^2/NDF:53.2/44

All: 0.011+/-0.028 χ^2/NDF: 91.6/83

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 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

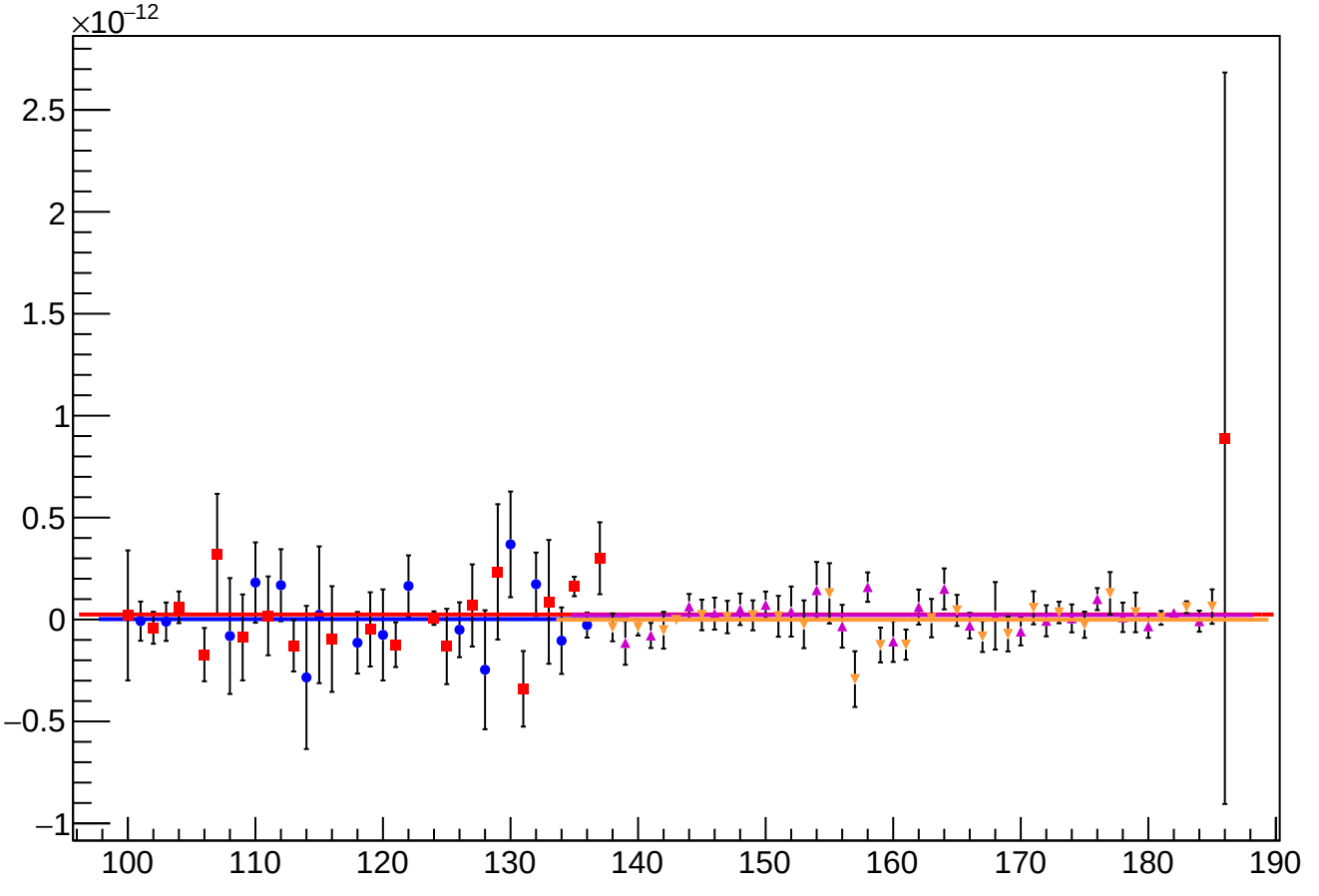
Right: 110.469+/-0.023 χ^2/NDF: 4335788.0/35

In: 169.136+/-0.029 χ^2/NDF:14869208.2/38

Out: 151.976+/-0.027 χ^2/NDF:19373911.3/44

All: 159.920+/-0.020 χ^2/NDF: 34433927.8/83

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF: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

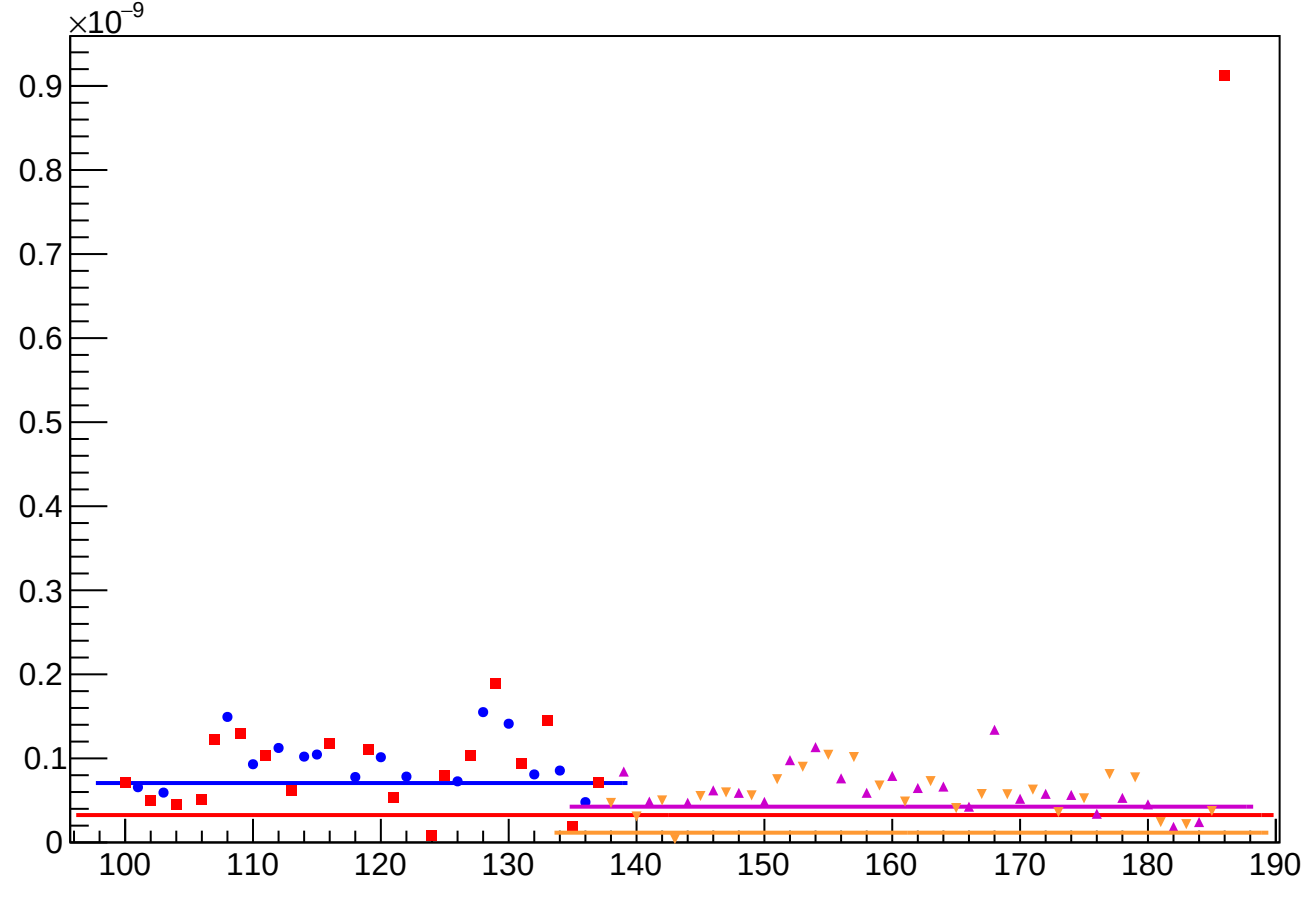
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

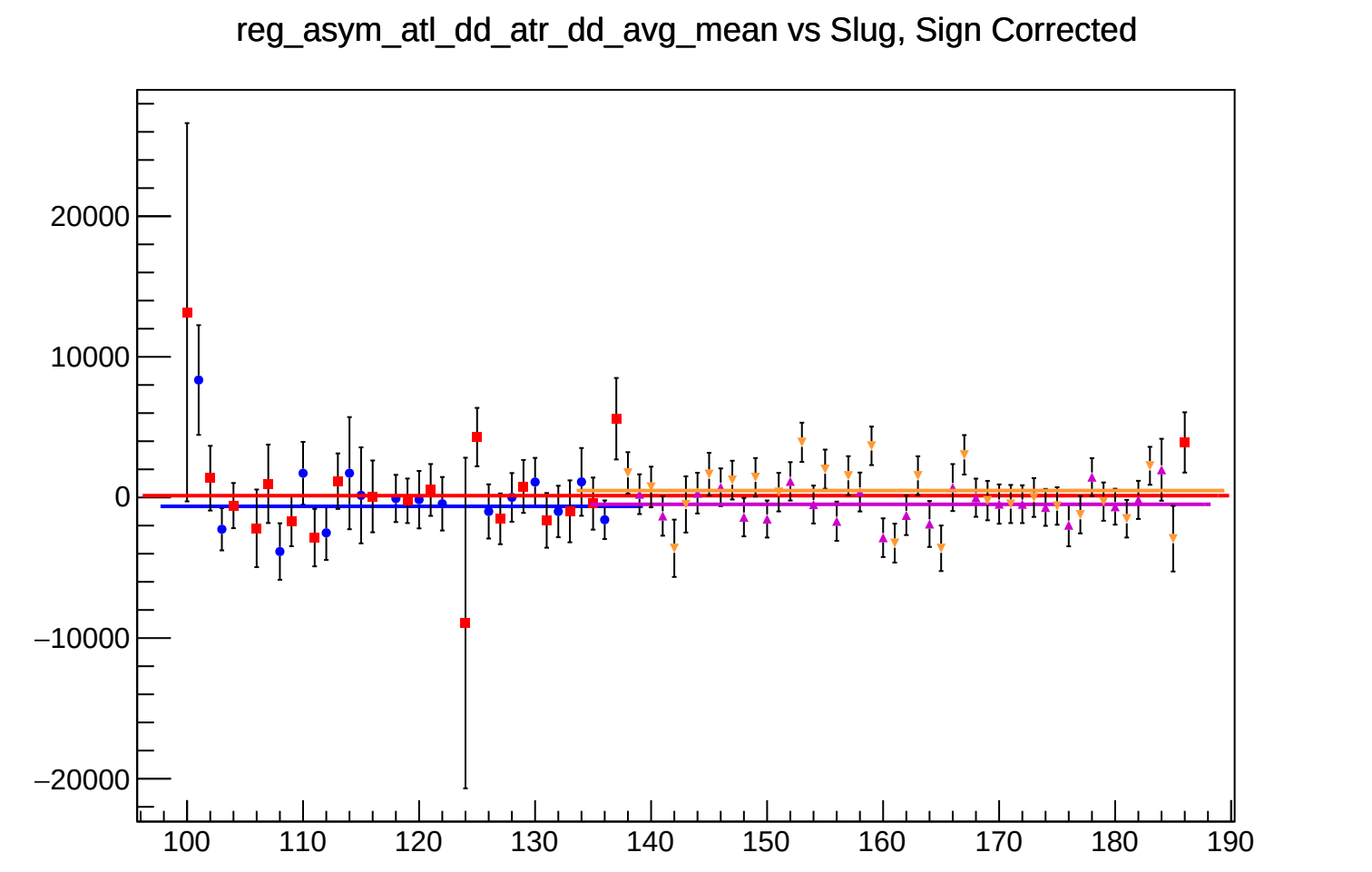
Right: 0.000+/-0.000 χ^2/NDF: 33.9/35

In: 0.000+/-0.000 χ^2/NDF:29.0/38

Out: 0.000+/-0.000 χ^2/NDF:47.8/44

All: 0.000+/-0.000 χ^2/NDF: 78.6/83


asym_atr1l2_dd_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: 1023708.6/15
Left Out: 0.000+/-0.000 χ²/NDF:17863822.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4930408.1/19
Left In: 0.000+/-0.000 χ²/NDF:5419961.9/22
Left: 0.000+/-0.000 χ²/NDF: 32408011.0/47
Right: 0.000+/-0.000 χ²/NDF: 7708839.8/35
In: 0.000+/-0.000 χ²/NDF:7605701.1/38
Out: 0.000+/-0.000 χ²/NDF:24544787.5/44
All: 0.000+/-0.000 χ²/NDF: 43995638.1/83



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

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

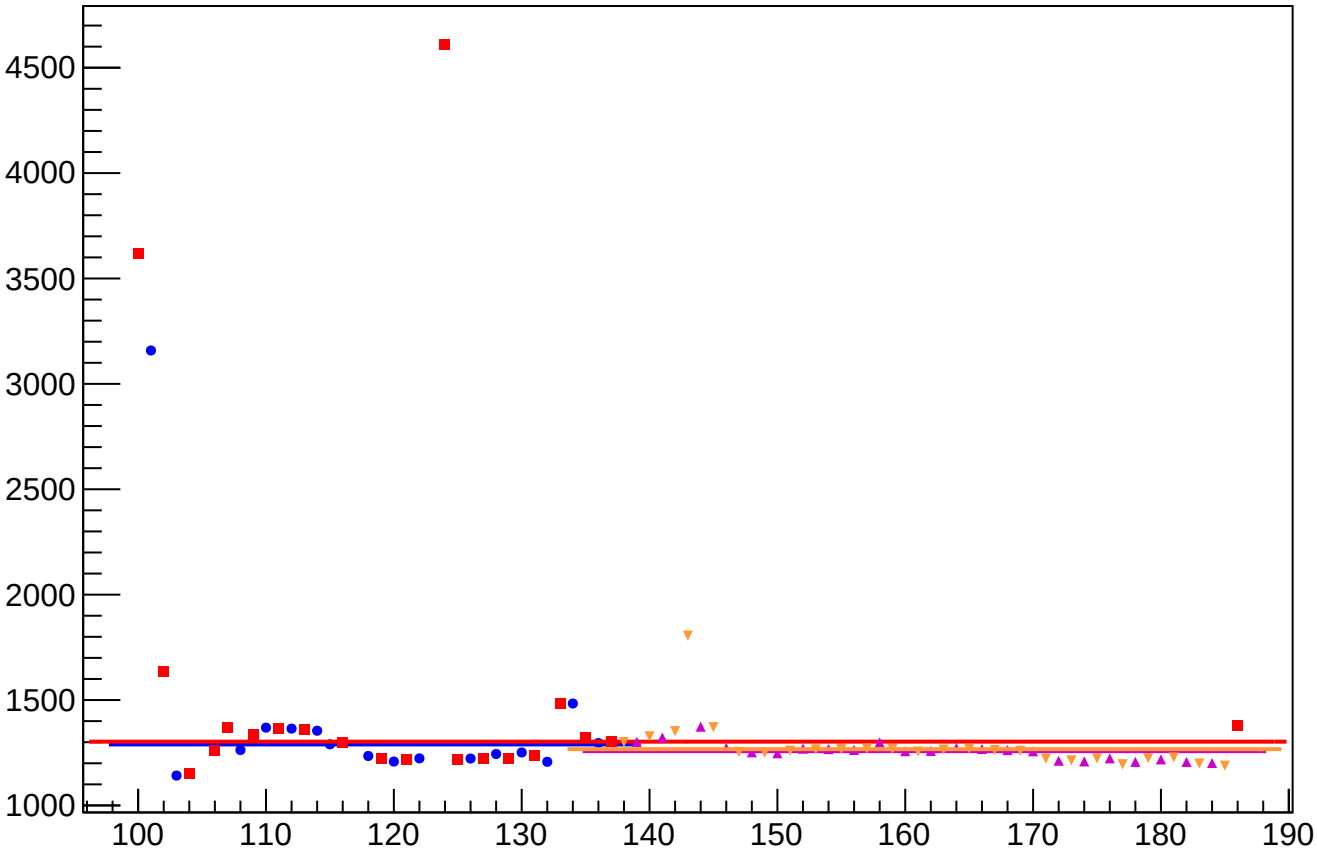
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

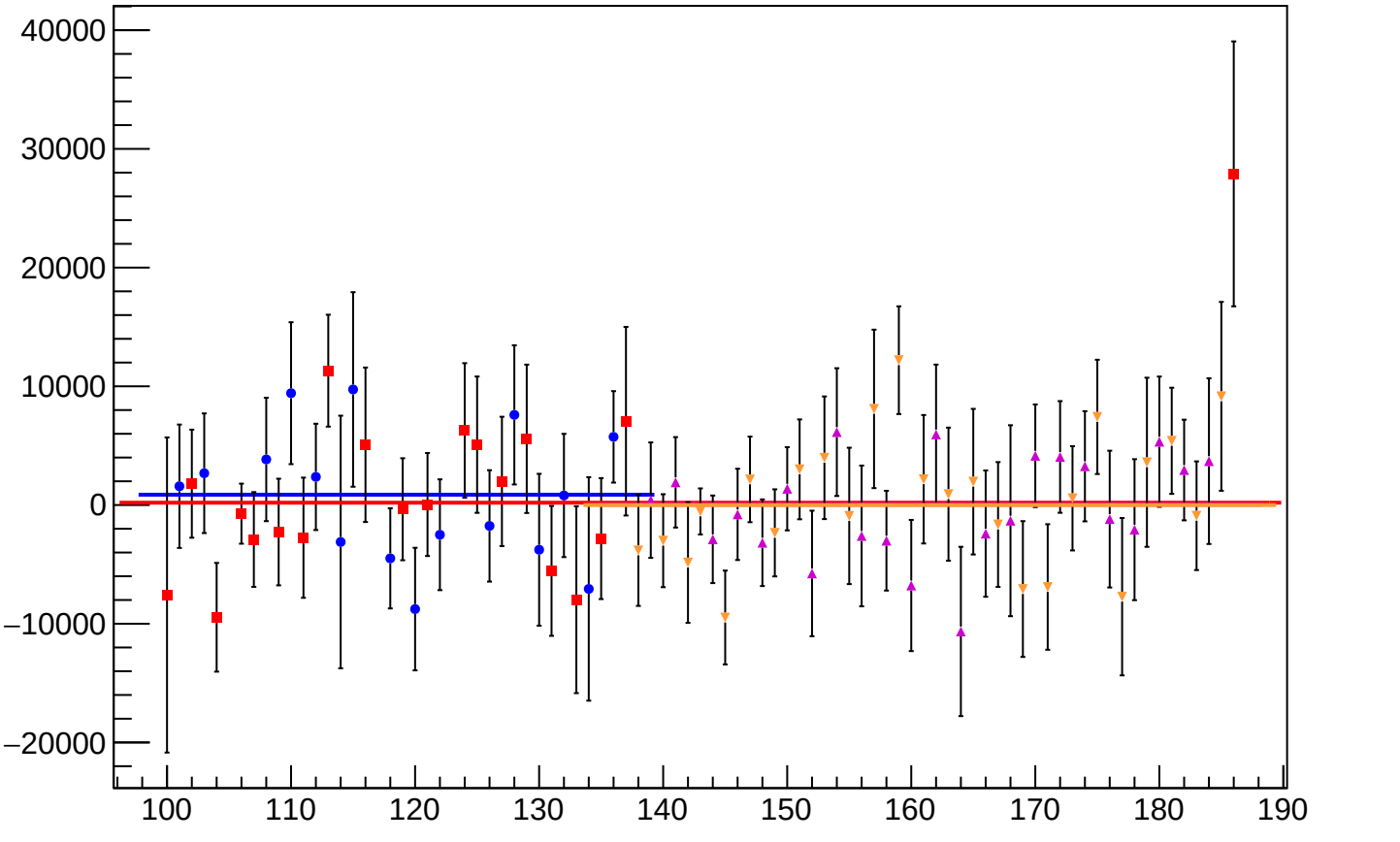
Right: -240.993+/-340.823 χ^2/NDF: 34.3/35

In: -525.107+/-251.775 χ^2/NDF:28.4/38

Out: 394.262+/-246.662 χ^2/NDF:66.5/44

All: -55.992+/-176.196 χ^2/NDF: 101.7/83


reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1289.466+/-0.346 χ²/NDF: 514675.0/15
Left Out: 1266.967+/-0.204 χ²/NDF:187545.6/24
Right Out: 1302.569+/-0.335 χ²/NDF: 322015.0/19
Left In: 1257.551+/-0.208 χ²/NDF:36816.4/22
Left: 1262.345+/-0.146 χ²/NDF: 225407.9/47
Right: 1296.211+/-0.241 χ²/NDF: 837430.3/35
In: 1266.024+/-0.178 χ²/NDF:557757.7/38
Out: 1276.579+/-0.174 χ²/NDF:517783.0/44
All: 1271.413+/-0.125 χ²/NDF: 1077335.4/83



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

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

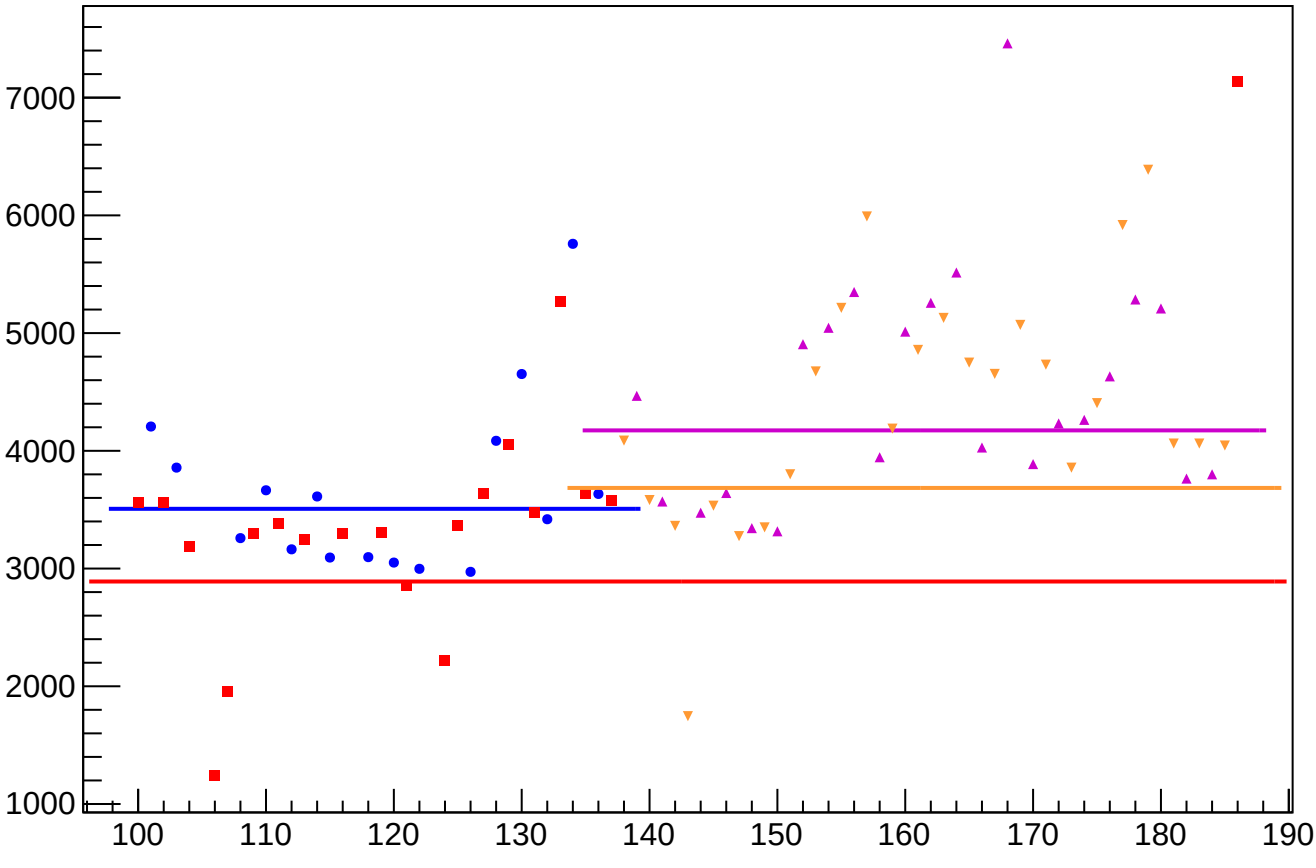
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 473.479+/-848.970 χ^2/NDF: 38.8/35

In: 334.066+/-795.878 χ^2/NDF:28.3/38

Out: 76.843+/-691.619 χ^2/NDF:53.7/44

All: 187.514+/-522.045 χ^2/NDF: 82.1/83



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

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

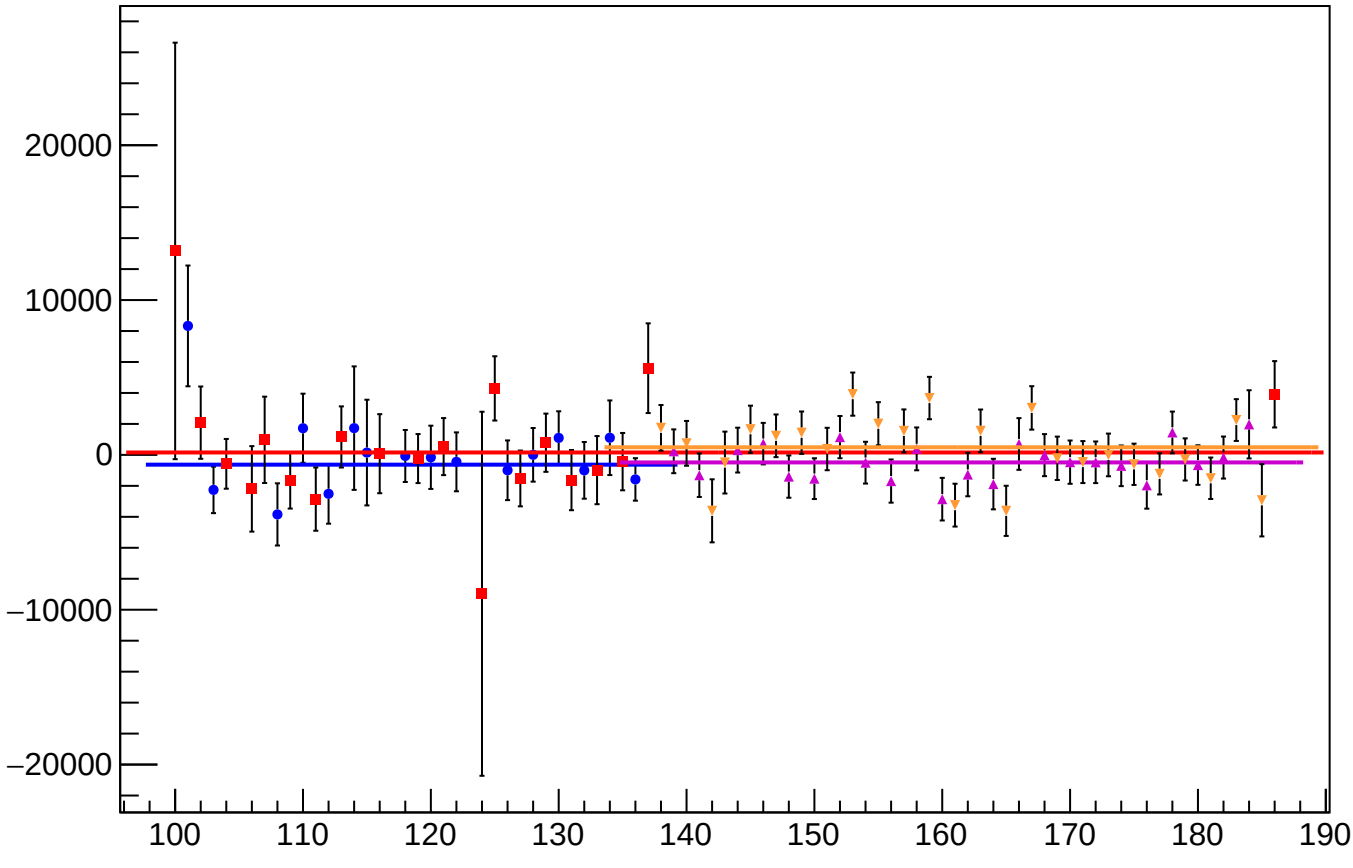
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3143.335+/-0.600 χ^2/NDF: 2402198.4/35

In: 3933.310+/-0.563 χ^2/NDF:1952031.0/38

Out: 3373.744+/-0.489 χ^2/NDF:6115030.3/44

All: 3614.499+/-0.369 χ^2/NDF: 8630338.2/83



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

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

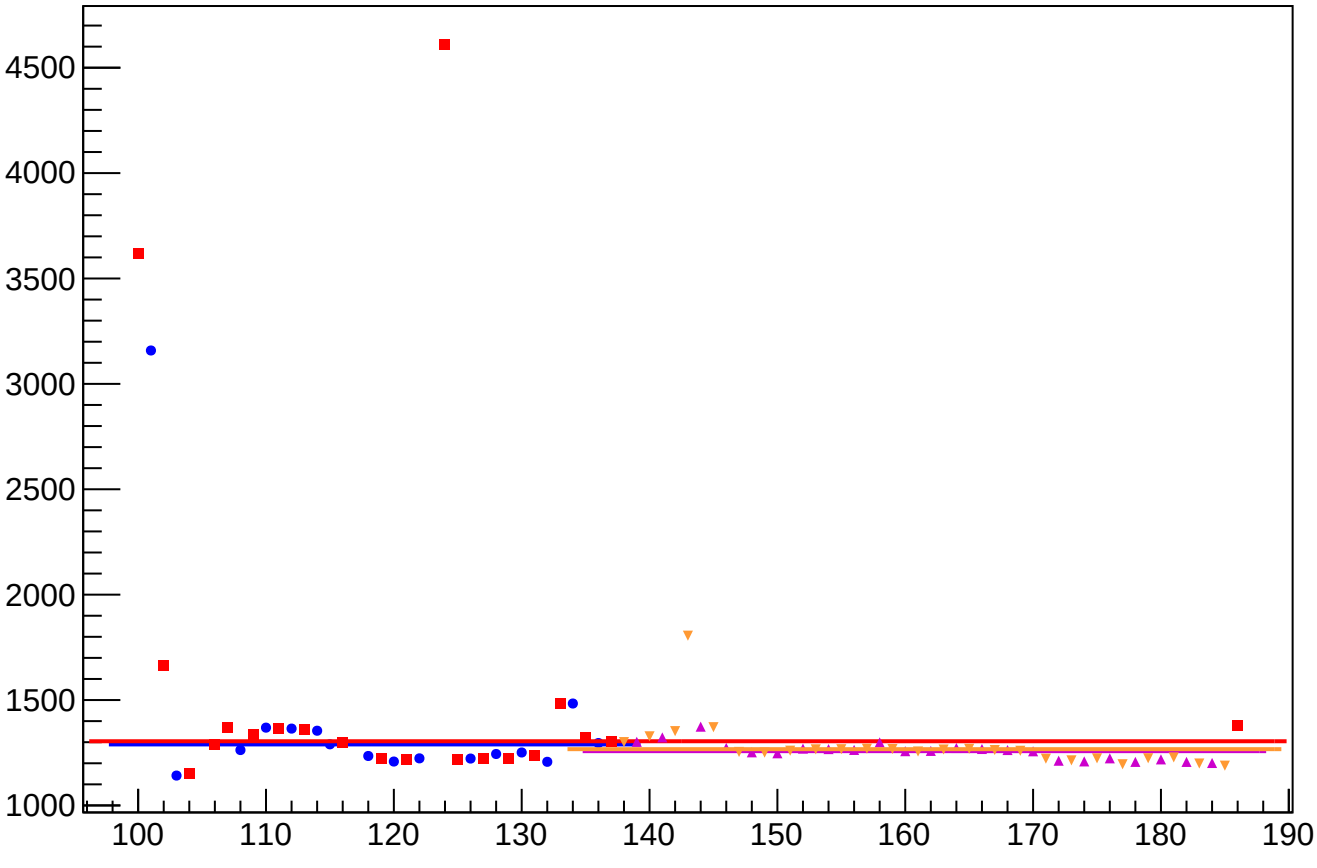
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -227.140+/-340.933 χ^2/NDF: 34.8/35

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -52.217+/-176.211 χ^2/NDF: 102.1/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

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

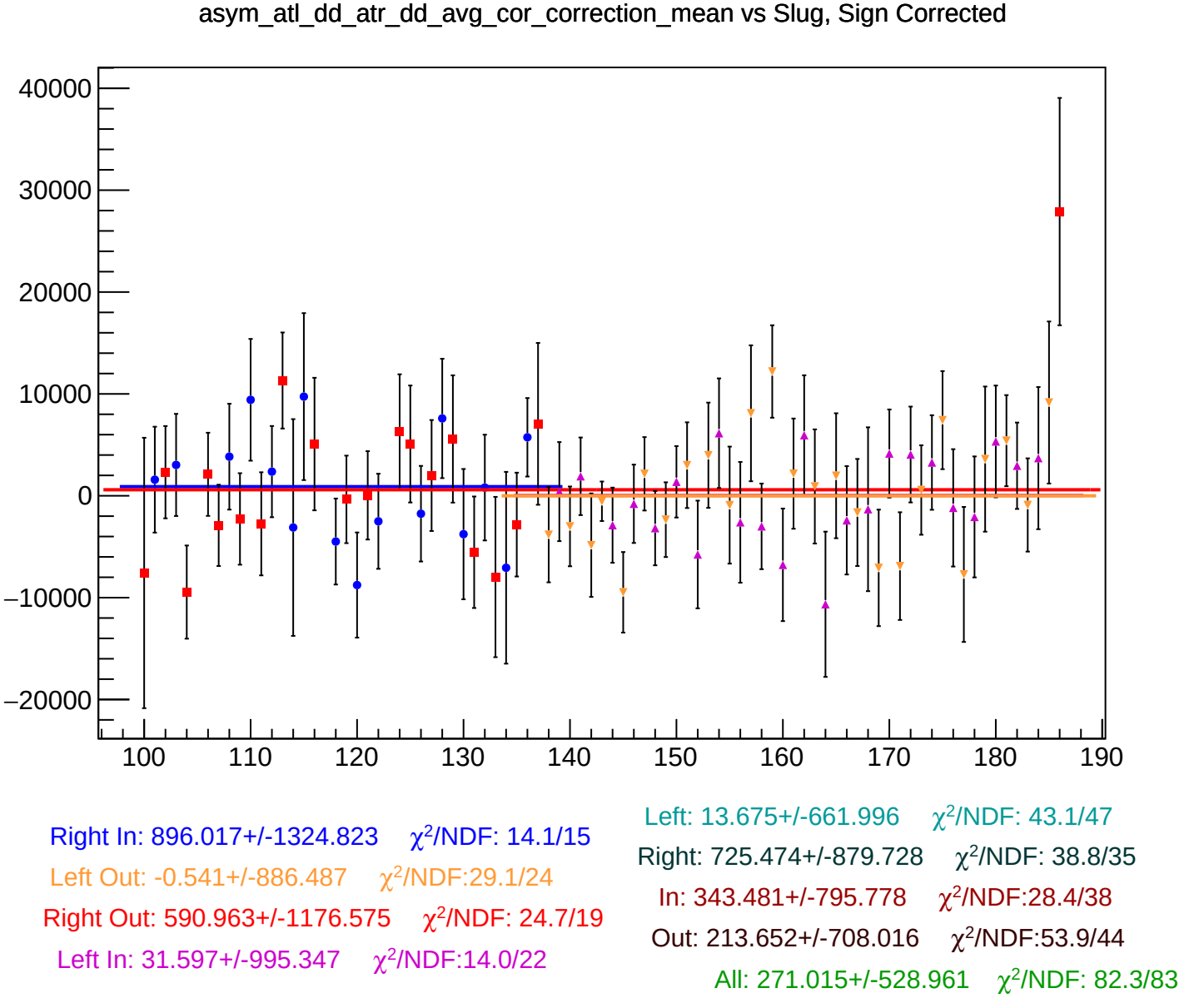
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

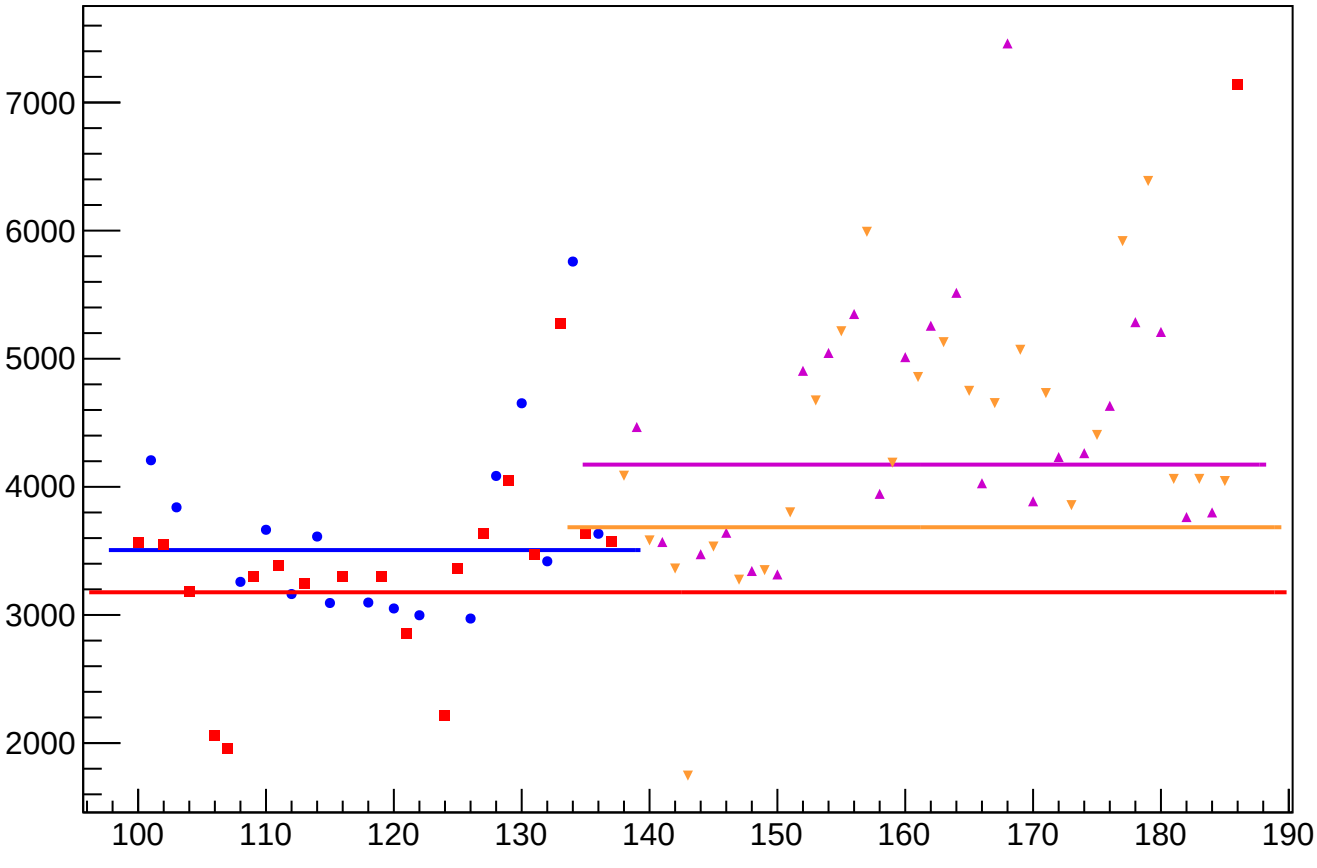
Right: 1297.200+/-0.241 χ^2/NDF: 844065.8/35

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83


asym_atl_dd_atr_dd_avg_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: 896.017+/-1324.823 χ²/NDF: 14.1/15
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: 725.474+/-879.728 χ²/NDF: 38.8/35
In: 343.481+/-795.778 χ²/NDF:28.4/38
Out: 213.652+/-708.016 χ²/NDF:53.9/44
All: 271.015+/-528.961 χ²/NDF: 82.3/83



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

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

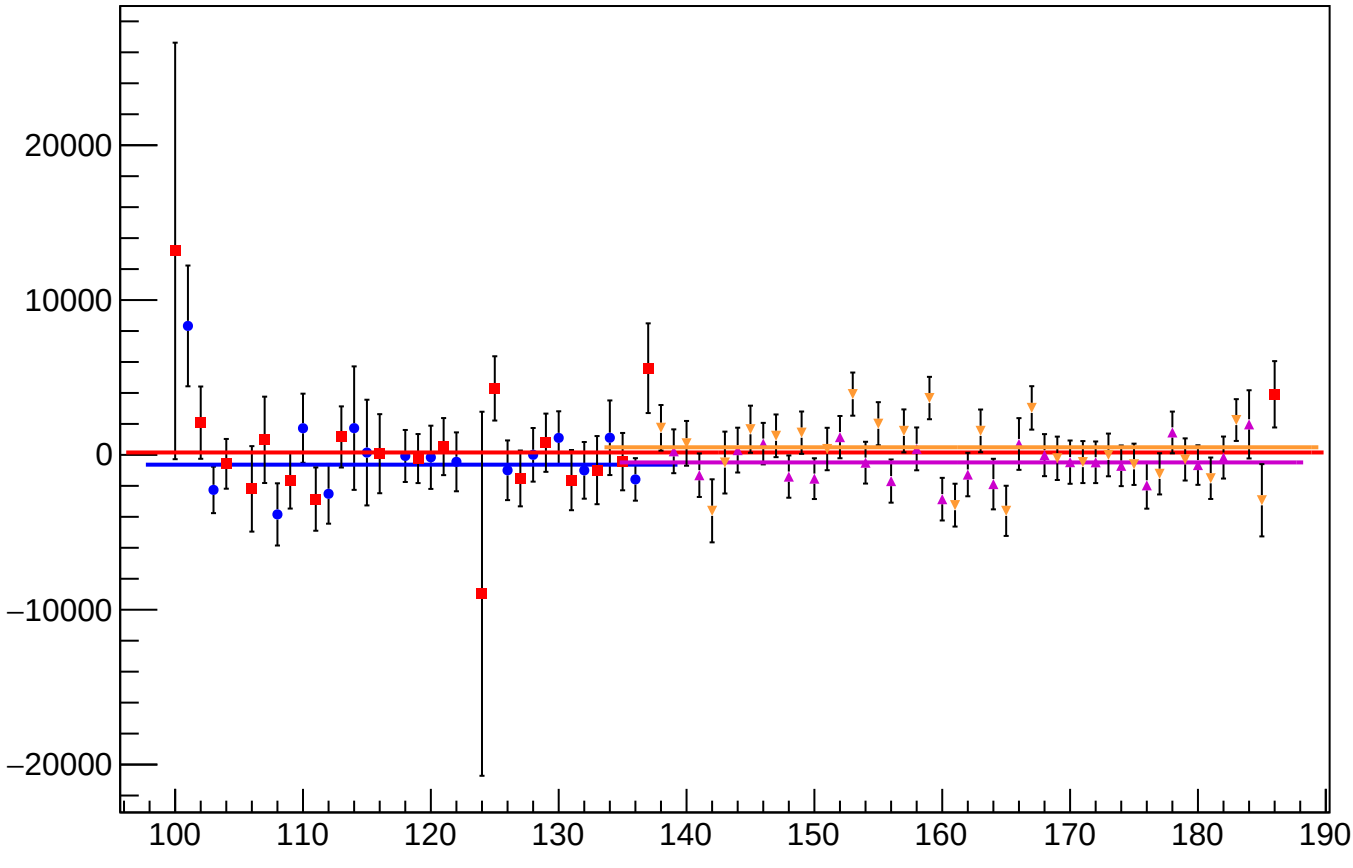
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3322.356+/-0.622 χ^2/NDF: 1326914.5/35

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

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

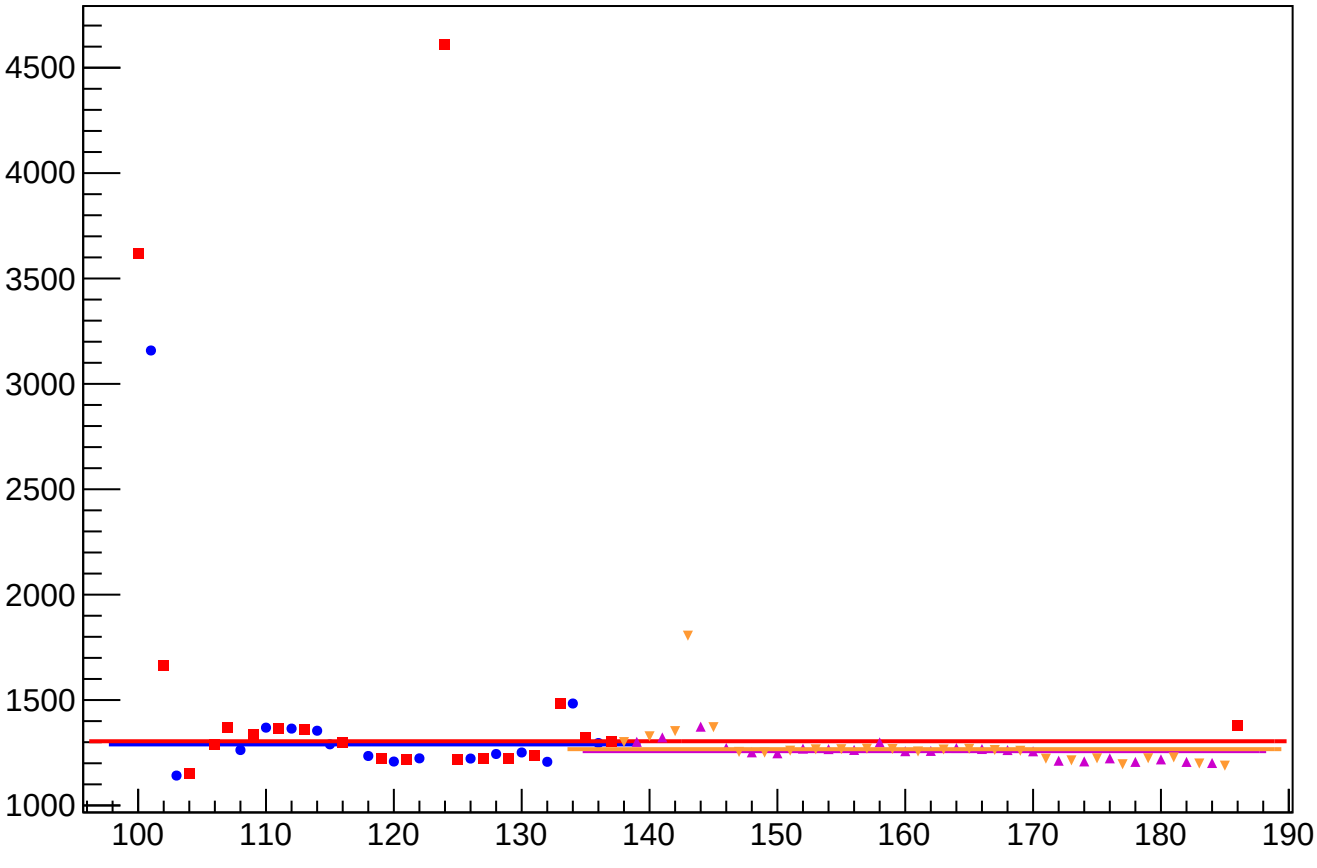
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -227.140+/-340.933 χ^2/NDF: 34.8/35

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -52.217+/-176.211 χ^2/NDF: 102.1/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

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

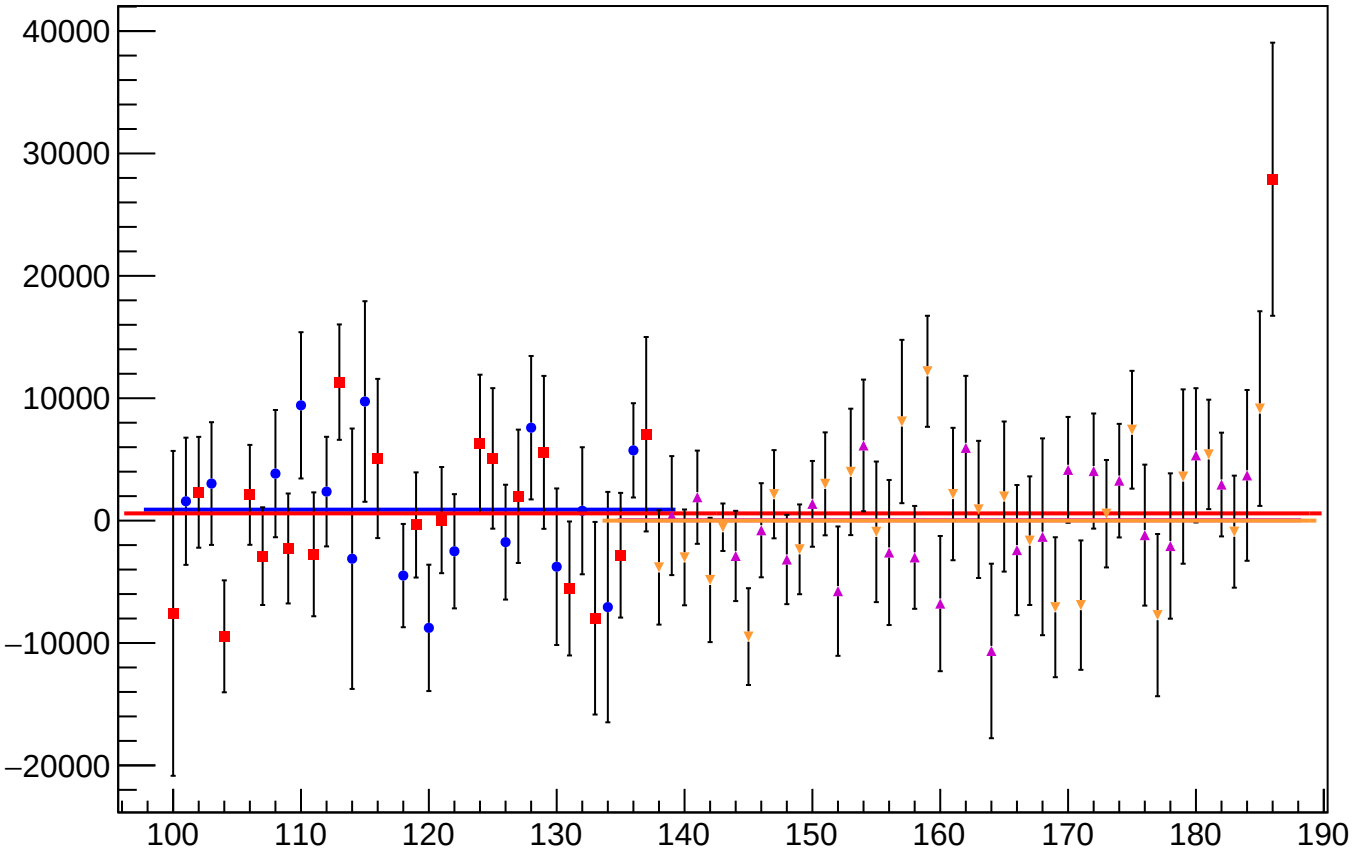
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.200+/-0.241 χ^2/NDF: 844065.8/35

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

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

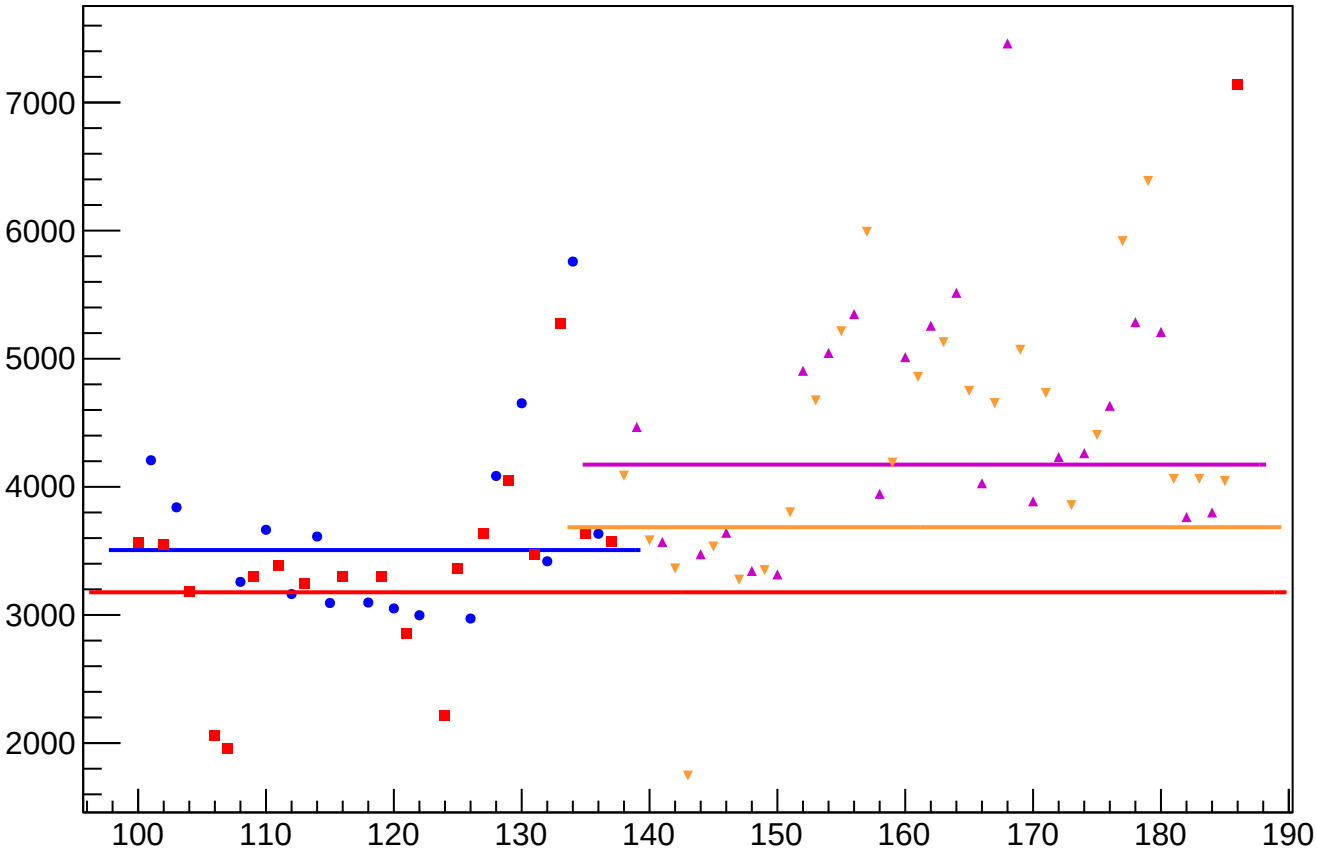
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 725.474+/-879.728 χ^2/NDF: 38.8/35

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 271.015+/-528.961 χ^2/NDF: 82.3/83



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

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

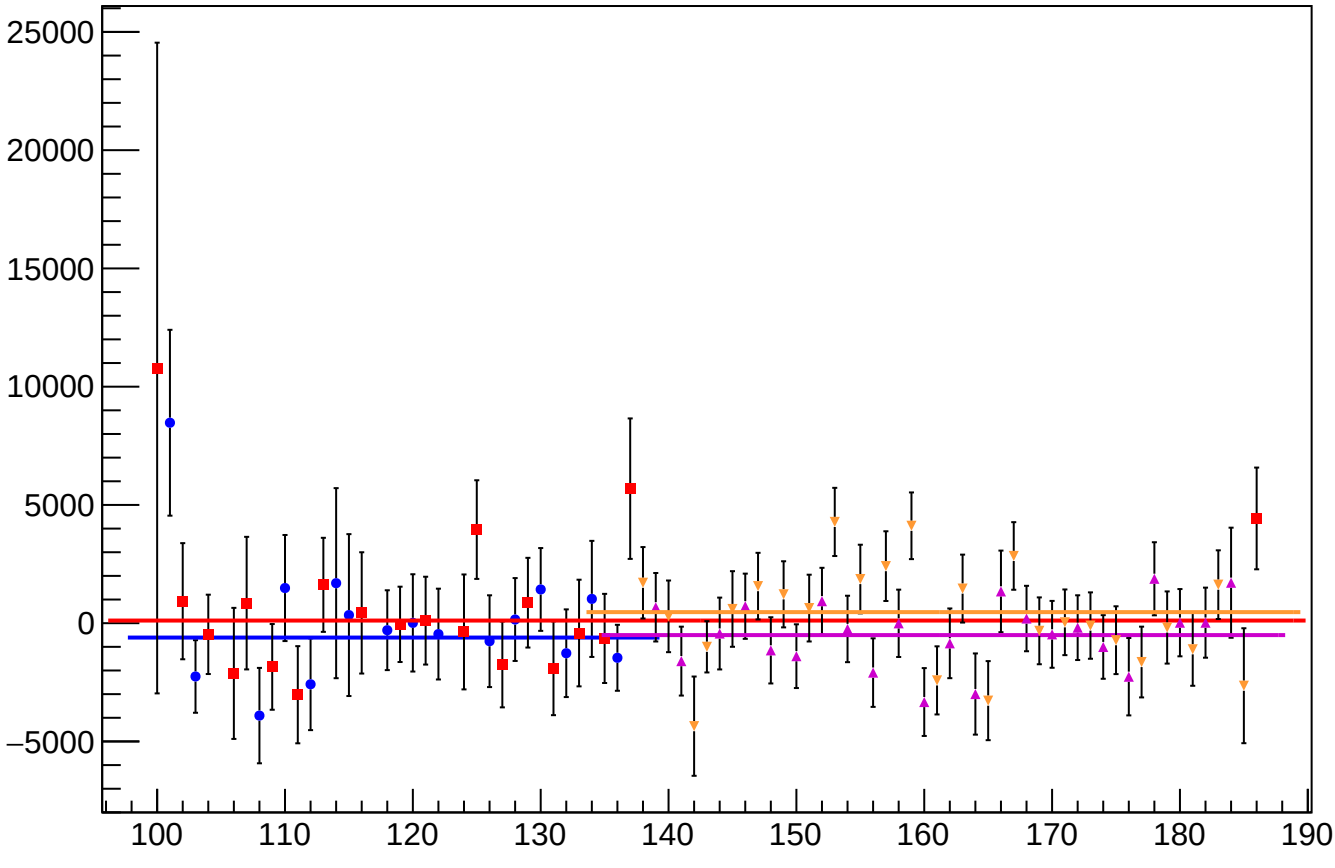
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3322.356+/-0.622 χ^2/NDF: 1326914.5/35

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

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

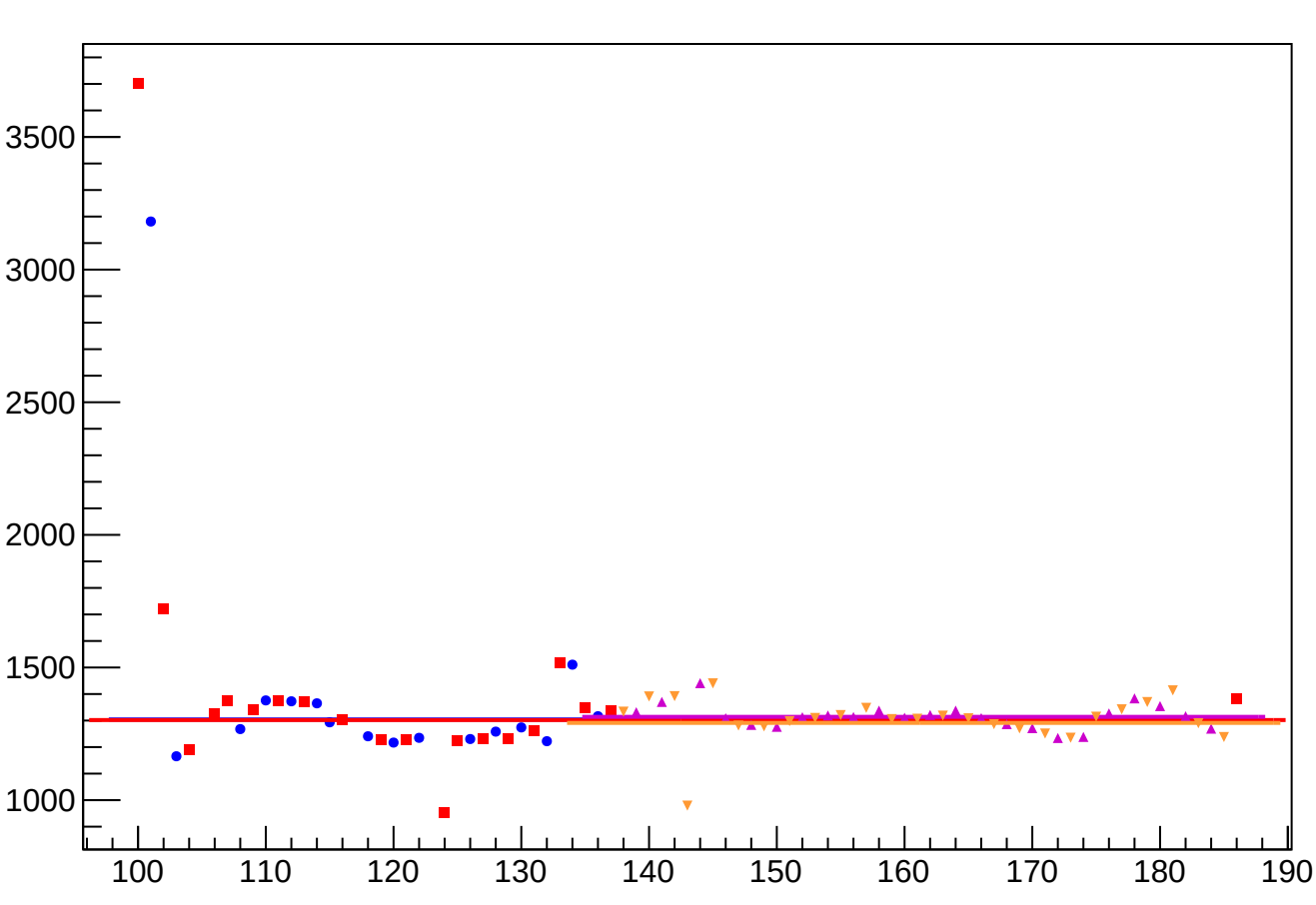
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -232.940+/-341.943 χ^2/NDF: 34.3/35

In: -532.602+/-260.810 χ^2/NDF:31.5/38

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -62.818+/-180.457 χ^2/NDF: 101.4/83



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

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

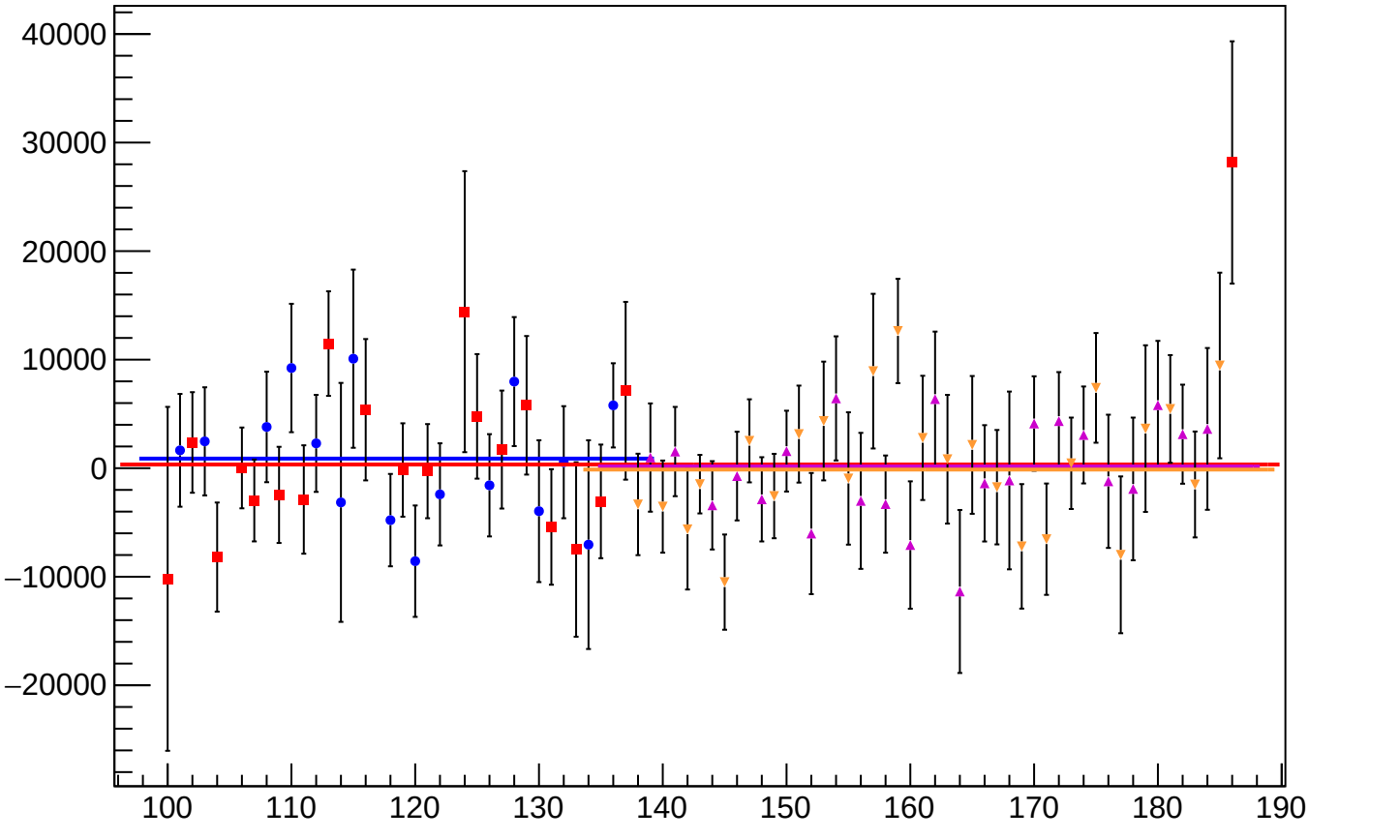
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1302.980+/-0.242 χ^2/NDF: 726735.4/35

In: 1311.247+/-0.184 χ^2/NDF:554213.6/38

Out: 1294.205+/-0.177 χ^2/NDF:447604.2/44

All: 1302.362+/-0.128 χ^2/NDF: 1006270.0/83



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

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

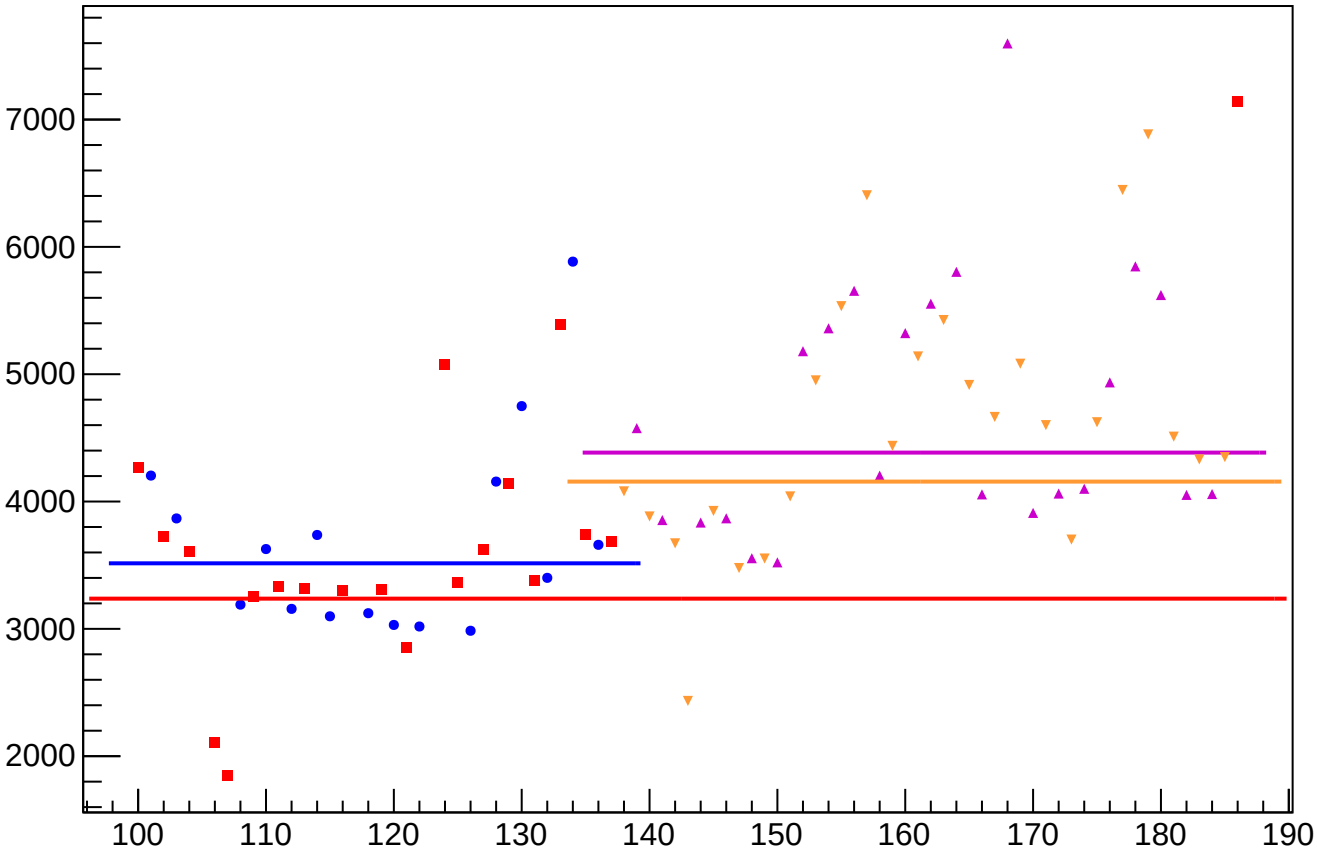
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 584.381+/-887.359 χ^2/NDF: 37.3/35

In: 436.874+/-821.335 χ^2/NDF:28.1/38

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 233.529+/-556.245 χ^2/NDF: 80.0/83



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

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

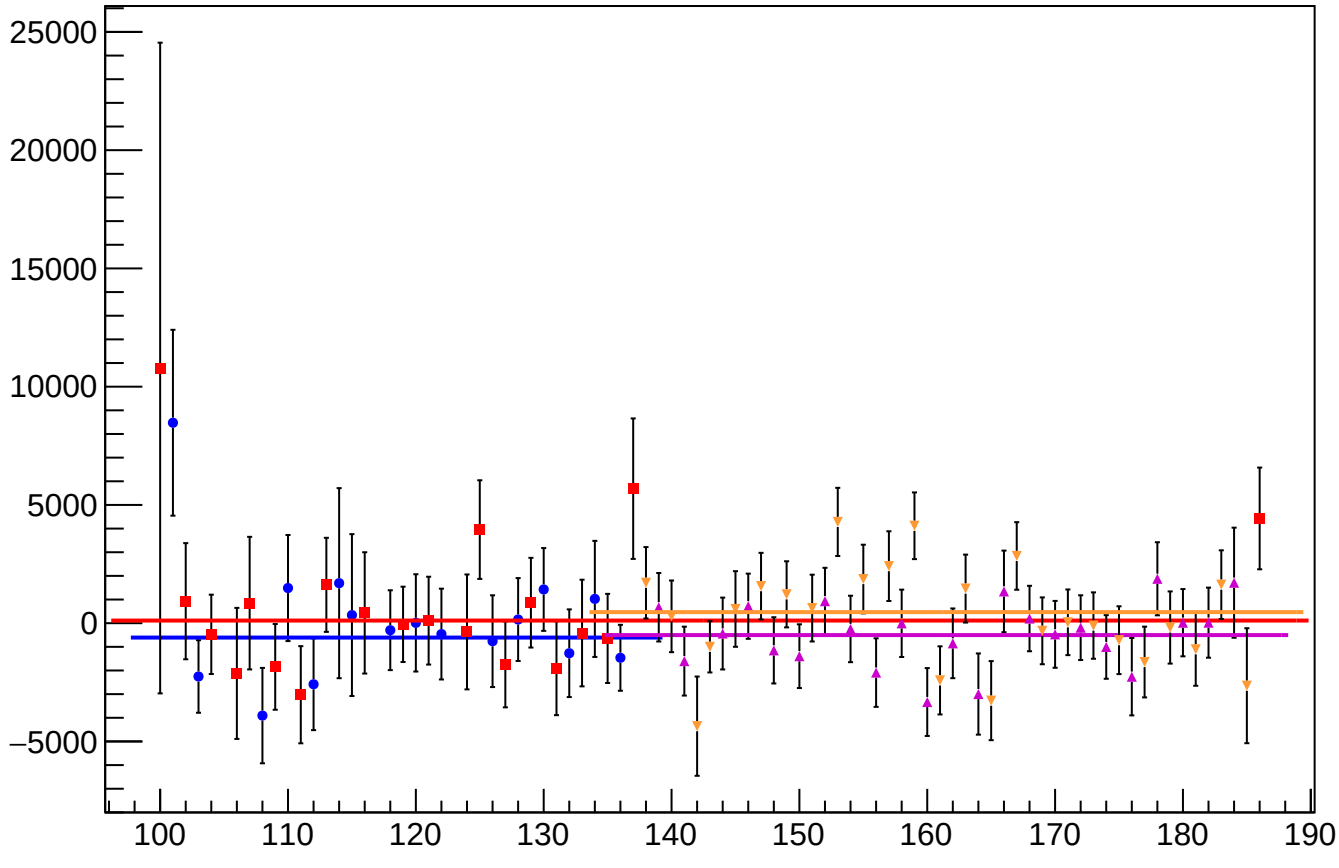
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3361.285+/-0.627 χ^2/NDF: 1443114.6/35

In: 4051.398+/-0.581 χ^2/NDF:2160247.2/38

Out: 3787.495+/-0.535 χ^2/NDF:3811055.0/44

All: 3908.537+/-0.393 χ^2/NDF: 6083078.1/83



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

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

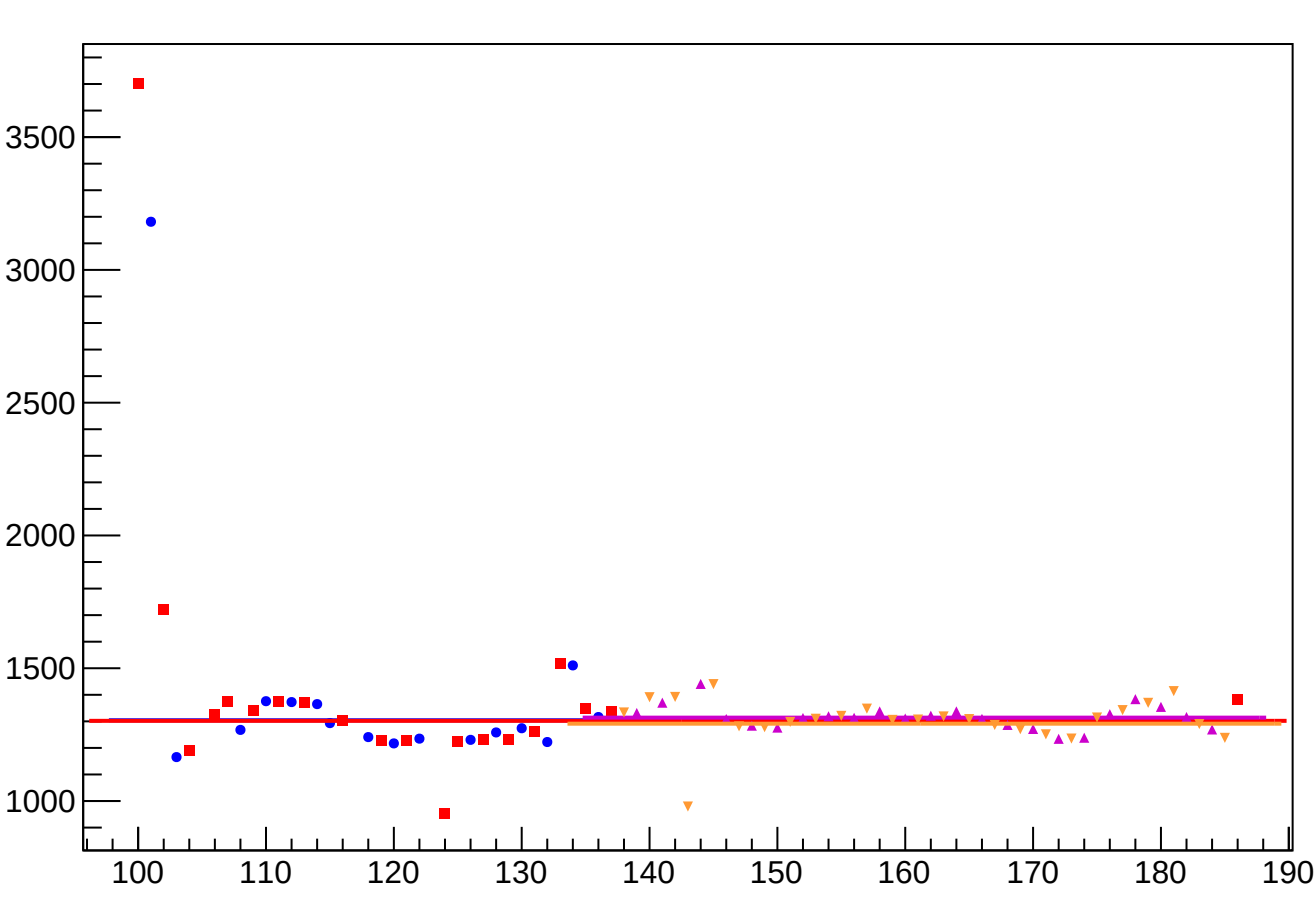
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -232.946+/-341.943 χ^2/NDF: 34.3/35

In: -532.603+/-260.811 χ^2/NDF:31.5/38

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -62.818+/-180.458 χ^2/NDF: 101.4/83



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

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

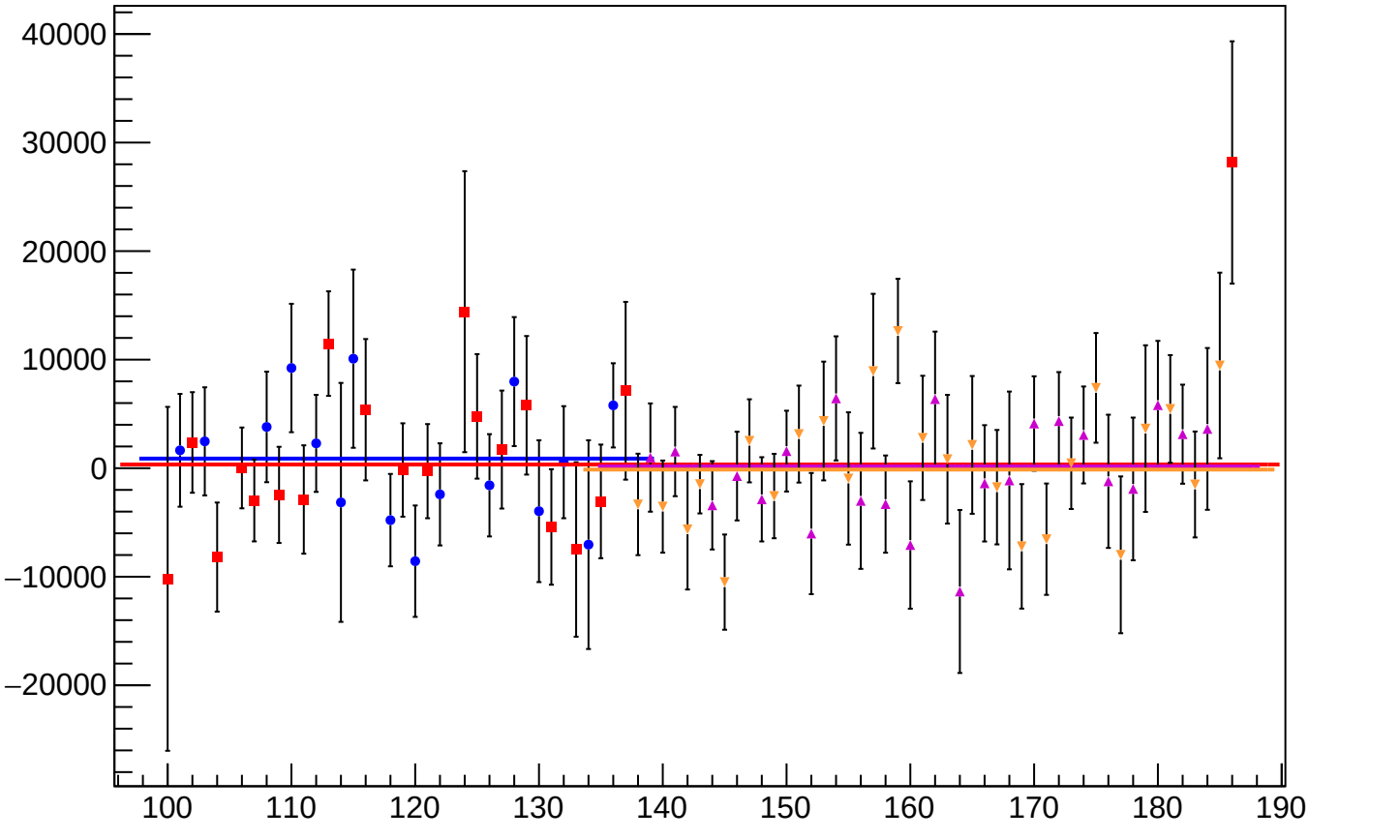
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1302.980+/-0.242 χ^2/NDF: 726735.6/35

In: 1311.248+/-0.184 χ^2/NDF:554216.0/38

Out: 1294.206+/-0.177 χ^2/NDF:447606.6/44

All: 1302.363+/-0.128 χ^2/NDF: 1006274.8/83



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

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

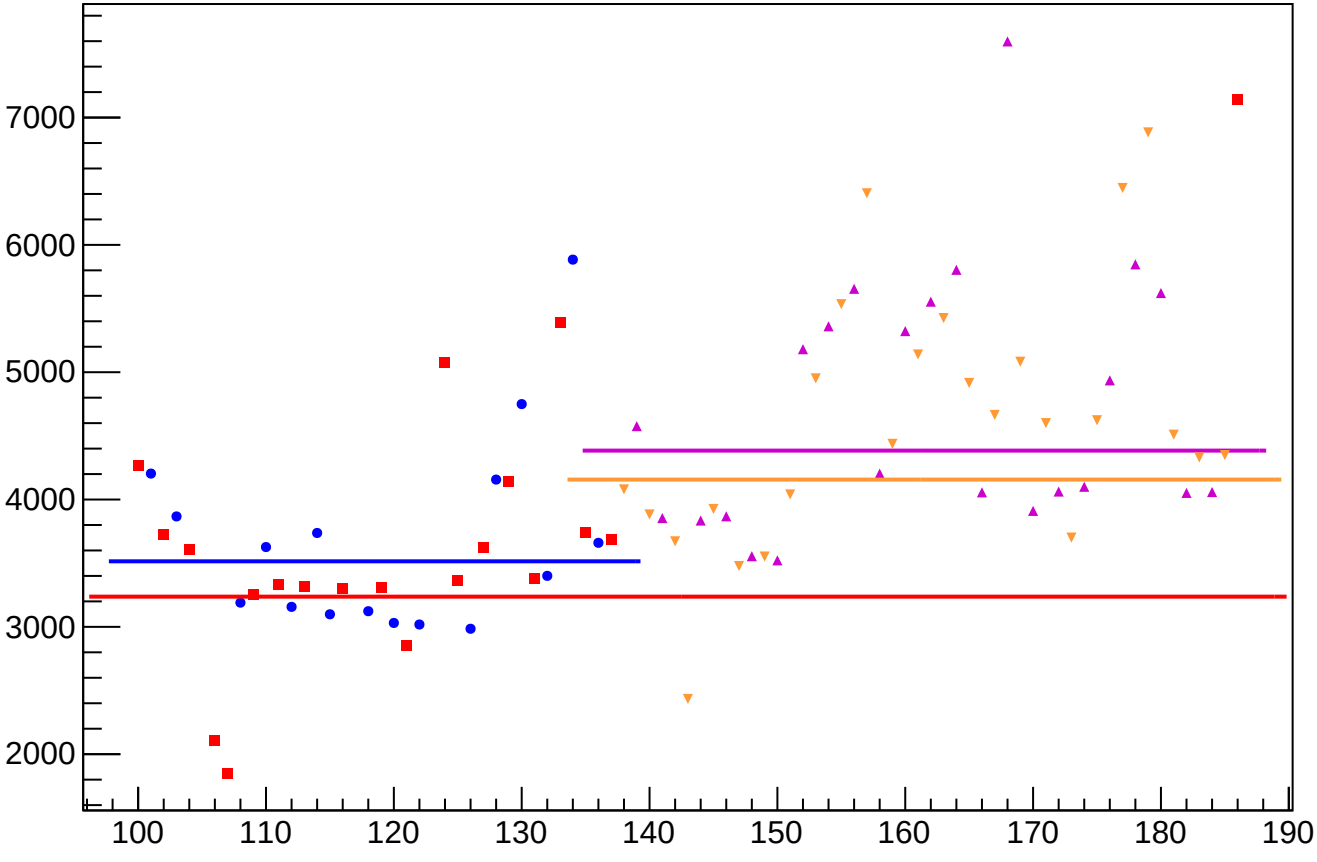
Right: 584.374+/-887.357 χ^2/NDF: 37.3/35

In: 436.872+/-821.335 χ^2/NDF:28.1/38

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 233.529+/-556.245 χ^2/NDF: 80.0/83

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 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

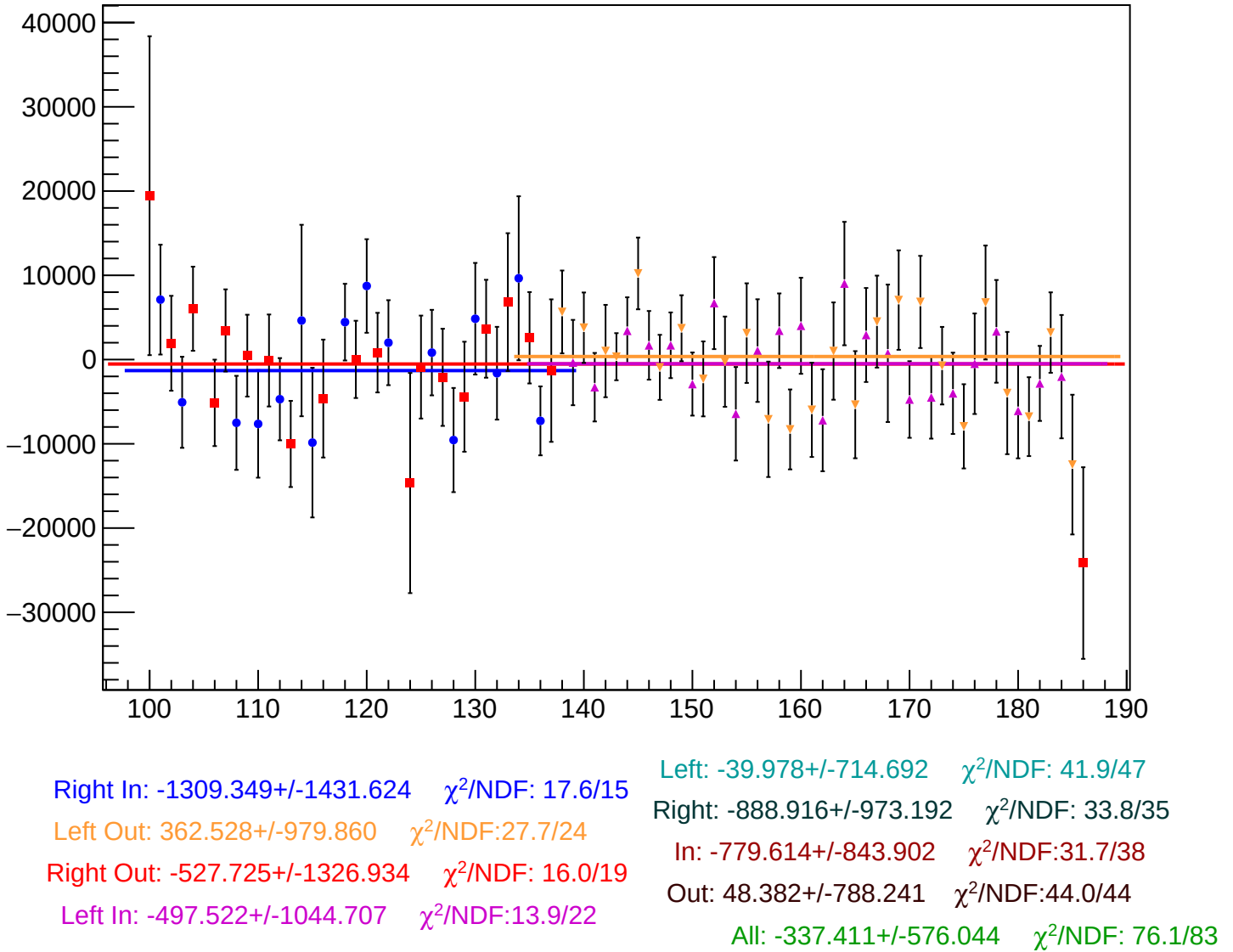
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

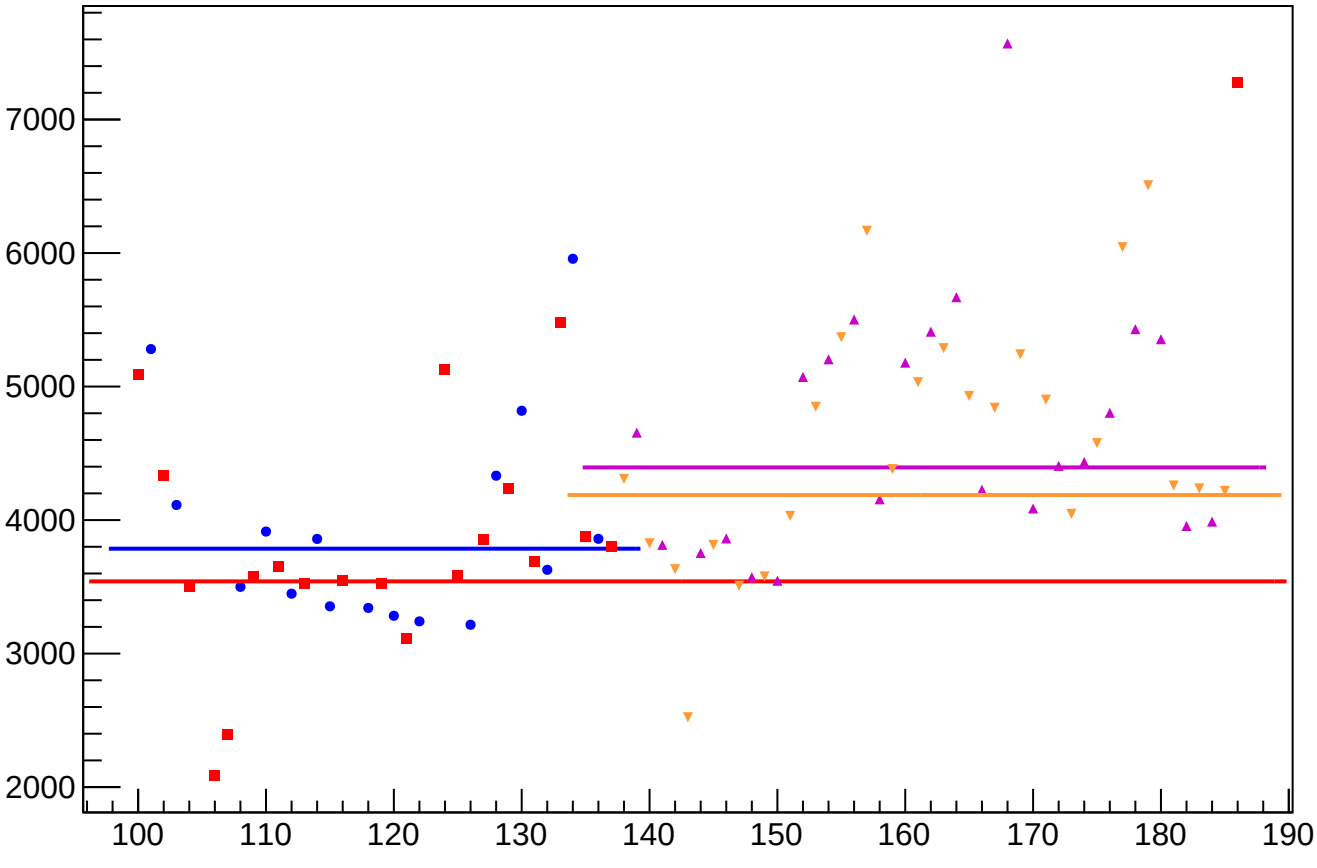
Right: 3361.277+/-0.627 χ^2/NDF: 1443121.2/35

In: 4051.397+/-0.581 χ^2/NDF:2160275.8/38

Out: 3787.494+/-0.535 χ^2/NDF:3811083.9/44

All: 3908.536+/-0.393 χ^2/NDF: 6083135.6/83


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -527.725+/-1326.934 χ²/NDF: 16.0/19
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -888.916+/-973.192 χ²/NDF: 33.8/35
In: -779.614+/-843.902 χ²/NDF:31.7/38
Out: 48.382+/-788.241 χ²/NDF:44.0/44
All: -337.411+/-576.044 χ²/NDF: 76.1/83



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

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

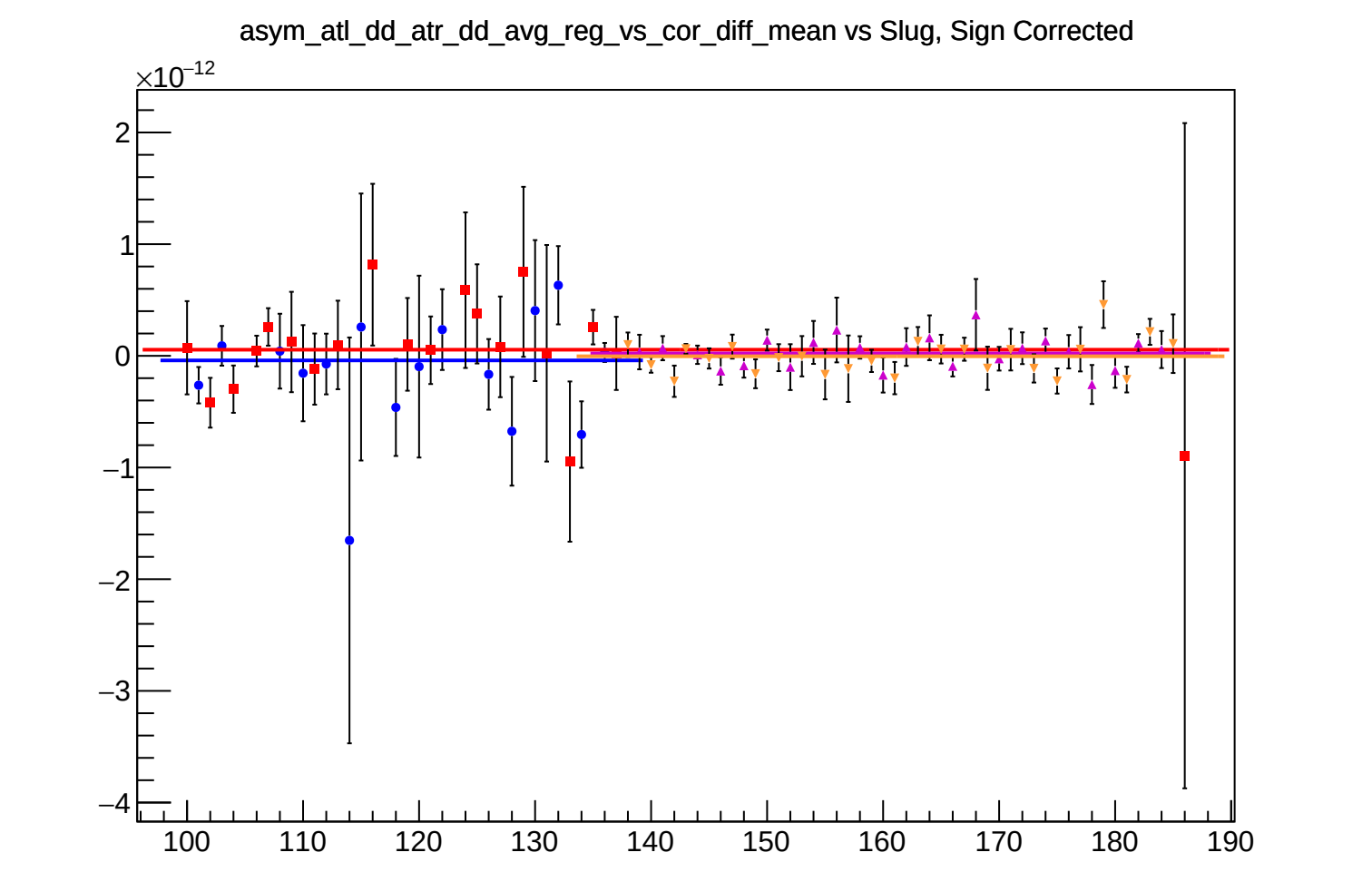
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3652.362+/-0.683 χ^2/NDF: 1220535.6/35

In: 4182.864+/-0.597 χ^2/NDF:1707199.7/38

Out: 3955.508+/-0.555 χ^2/NDF:2915149.5/44

All: 4060.897+/-0.406 χ^2/NDF: 4700224.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16.0/19

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

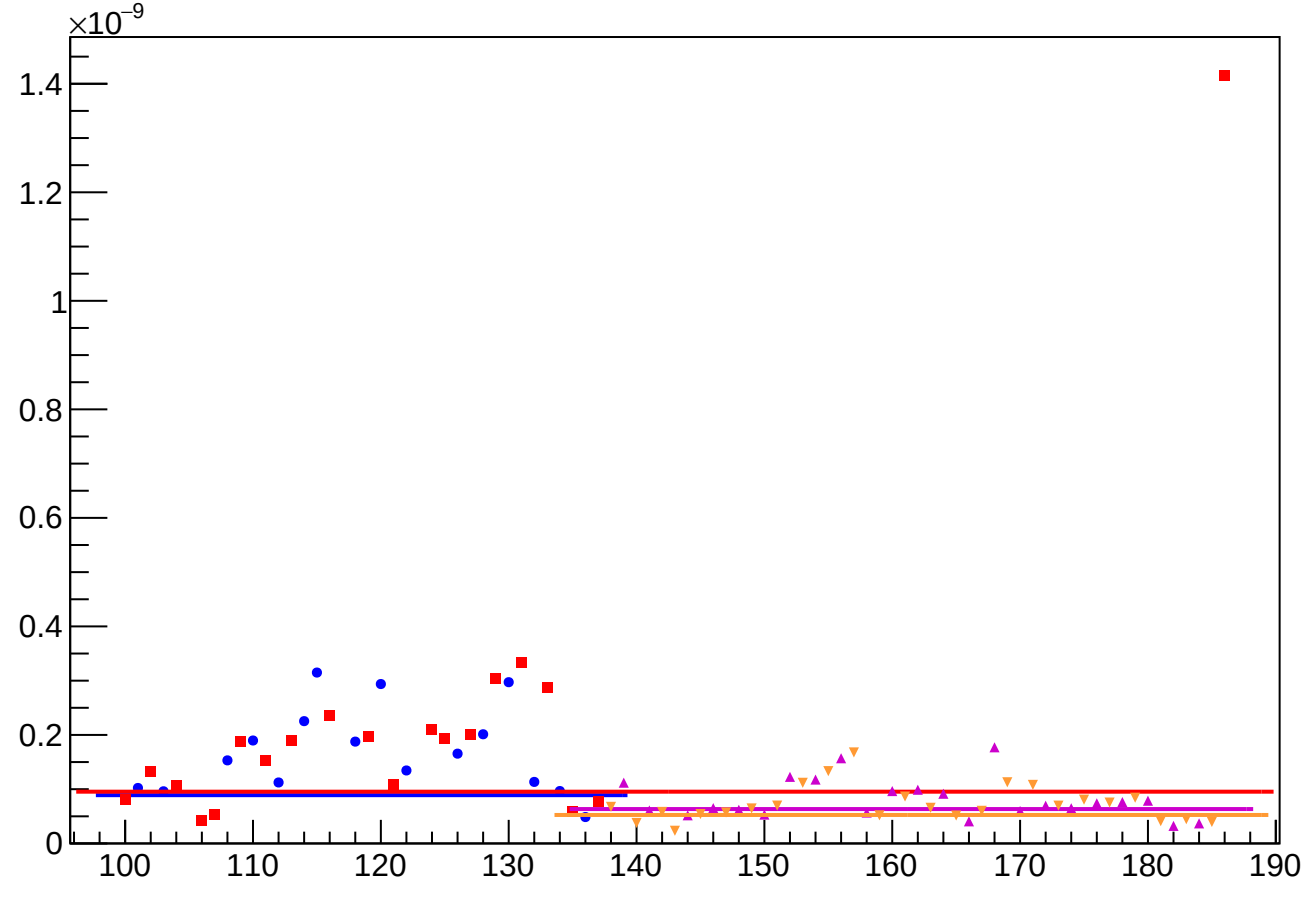
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: 0.000+/-0.000 χ^2/NDF: 33.8/35

In: 0.000+/-0.000 χ^2/NDF:34.6/38

Out: 0.000+/-0.000 χ^2/NDF:47.2/44

All: 0.000+/-0.000 χ^2/NDF: 81.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

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

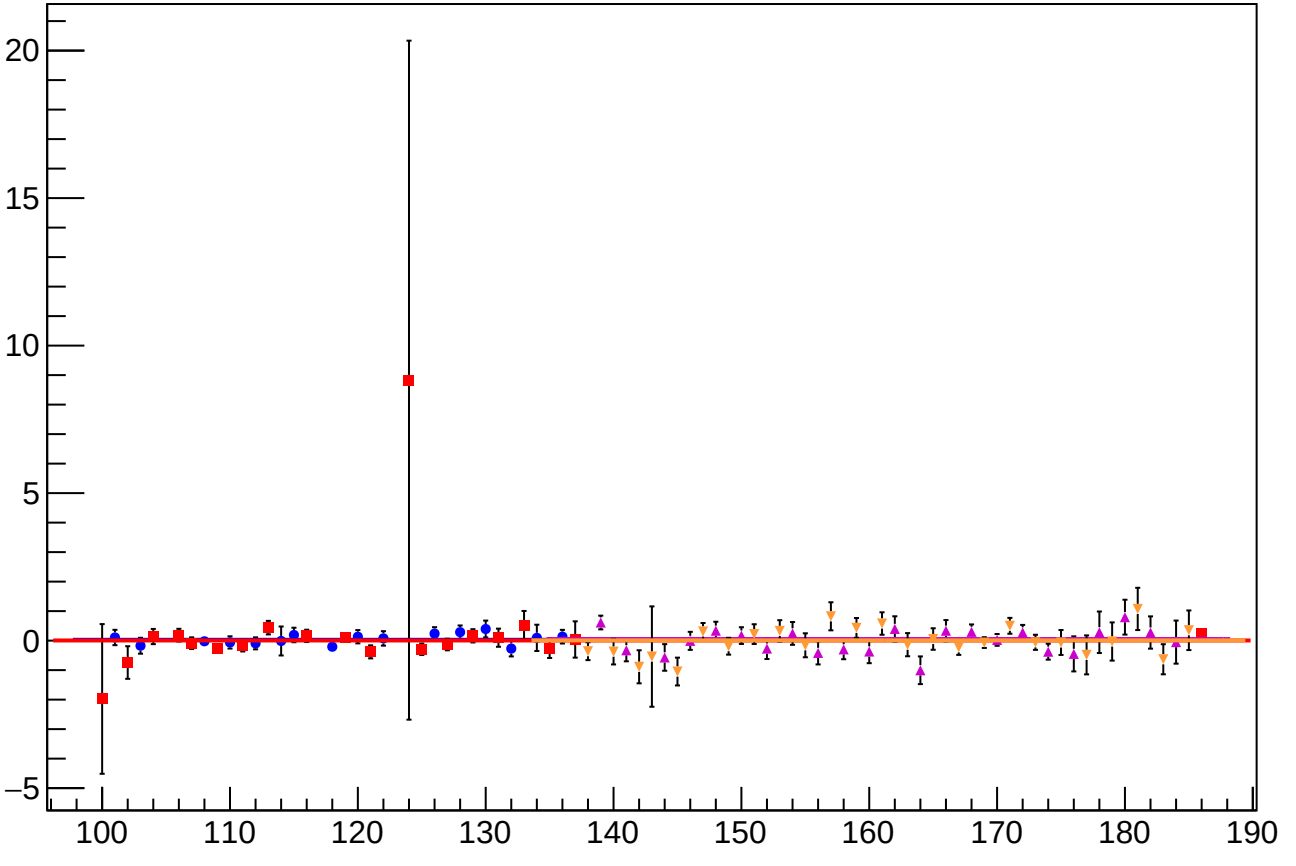
Right: 0.000+/-0.000 χ^2/NDF: 3598681.8/35

In: 0.000+/-0.000 χ^2/NDF:3563581.8/38

Out: 0.000+/-0.000 χ^2/NDF:5559371.3/44

All: 0.000+/-0.000 χ^2/NDF: 9339600.5/83

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

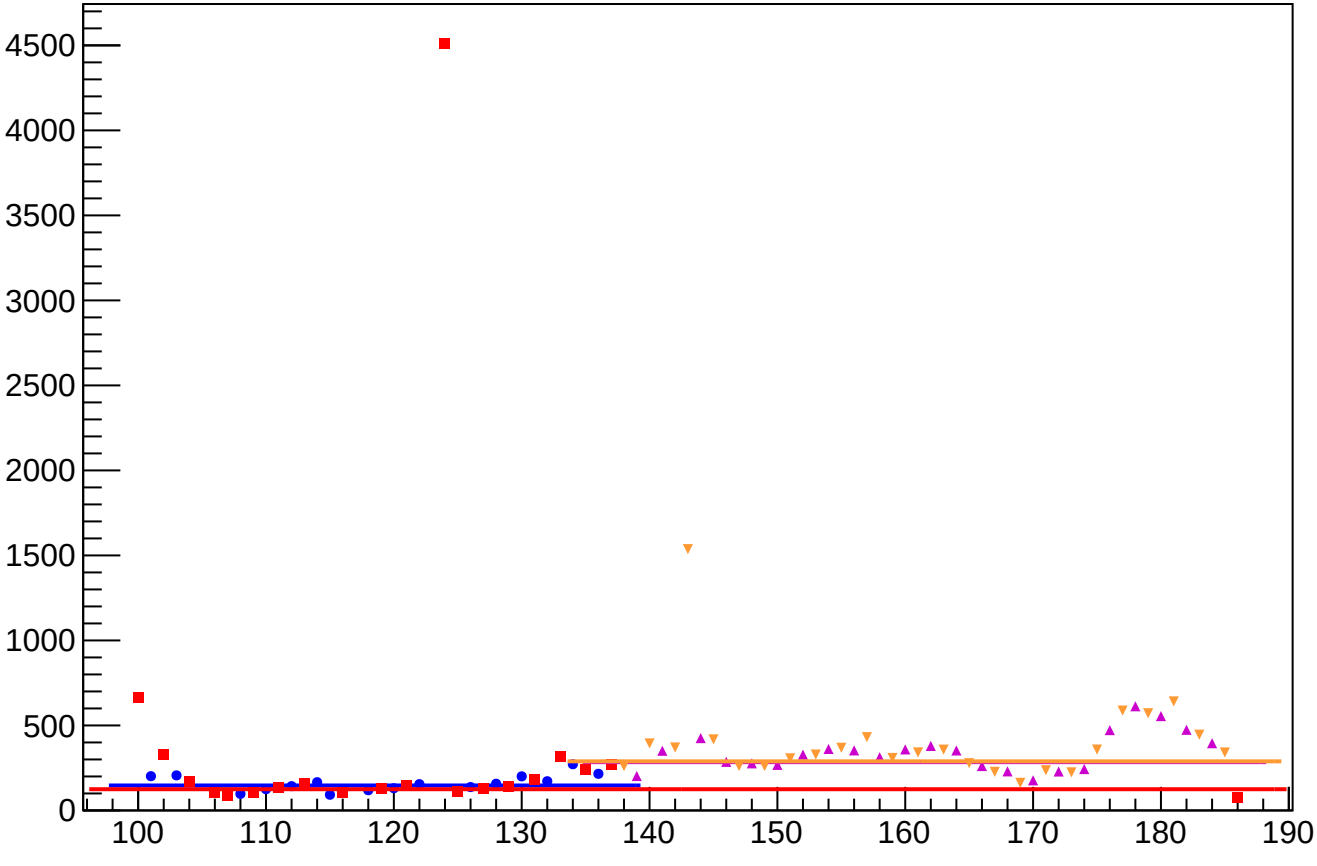
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 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

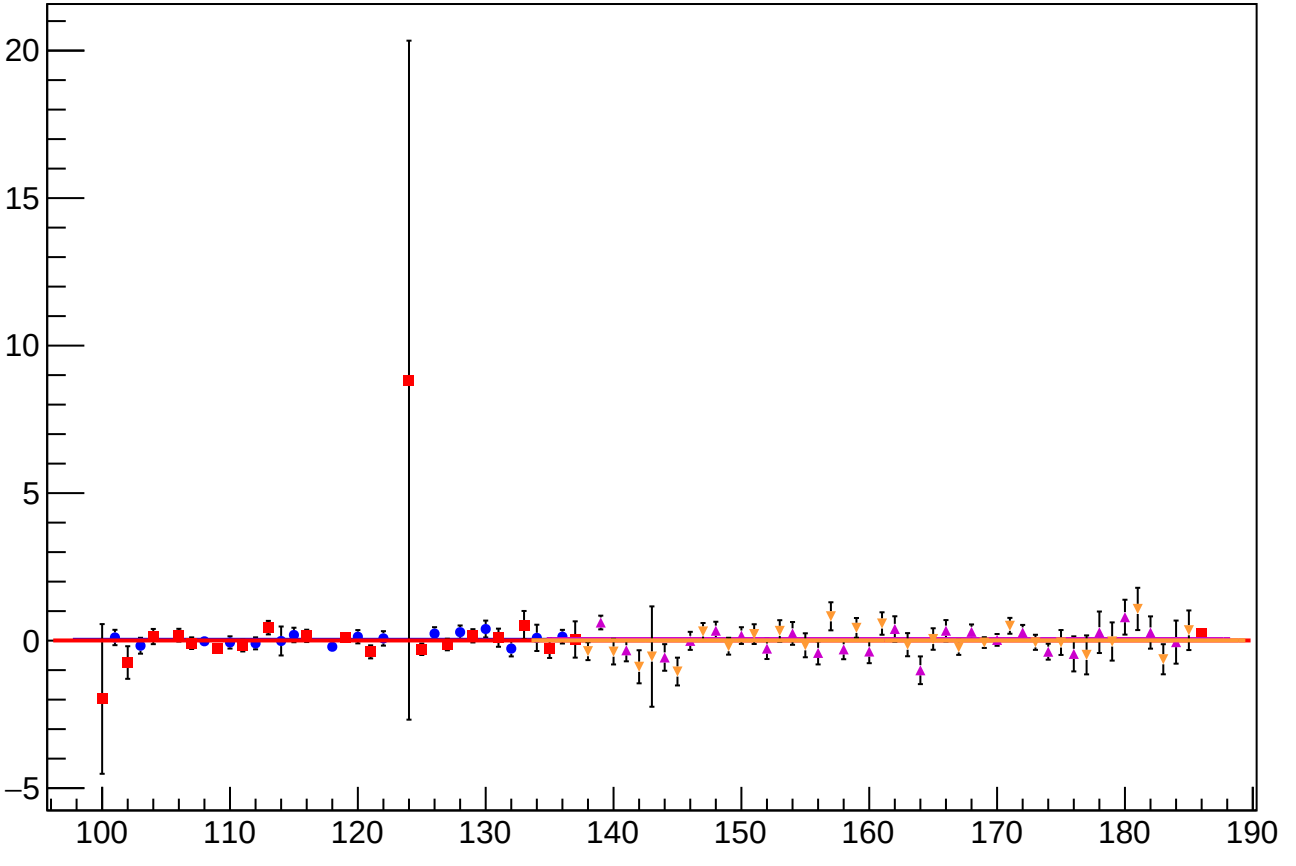
Right: 134.351+/-0.027 χ^2/NDF: 3153585.6/35

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

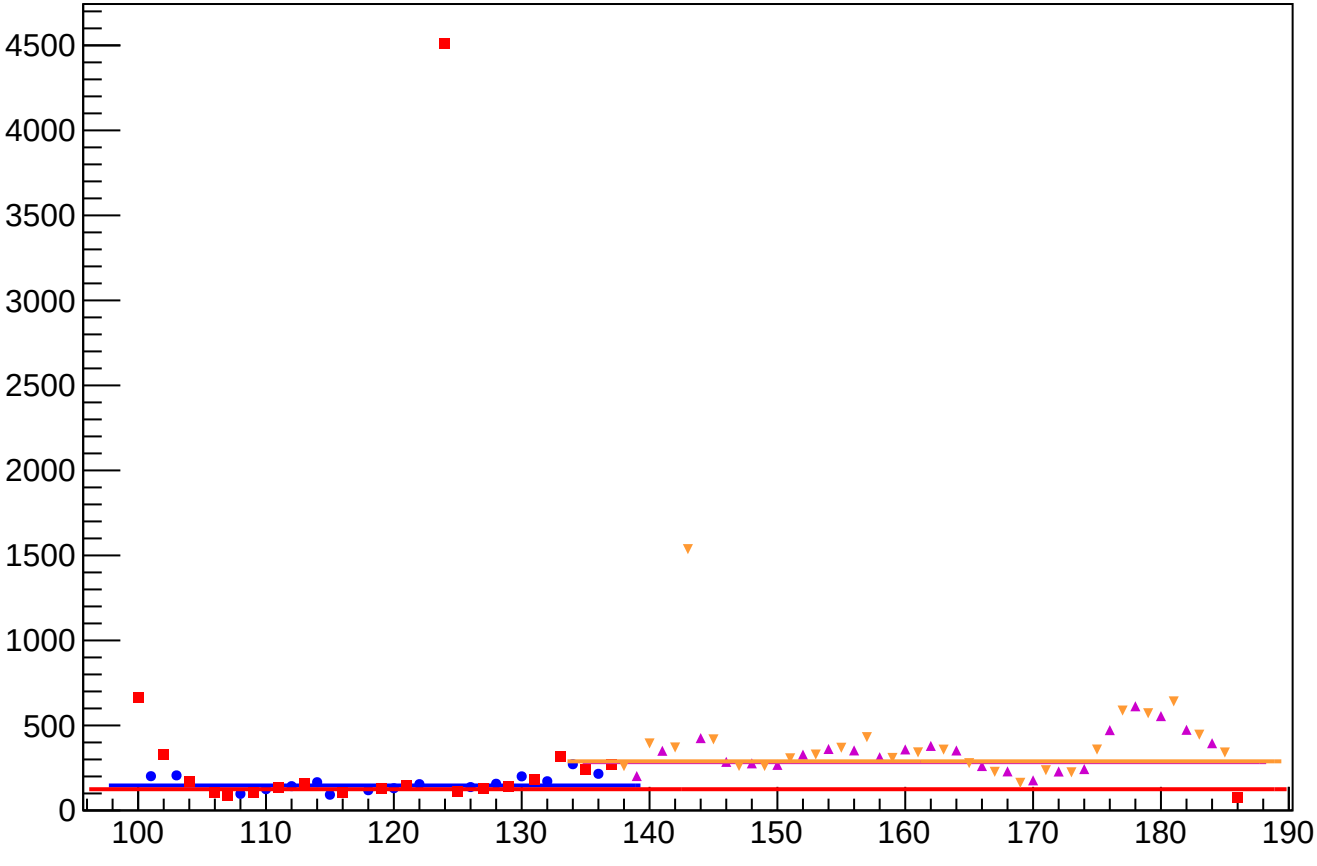
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 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

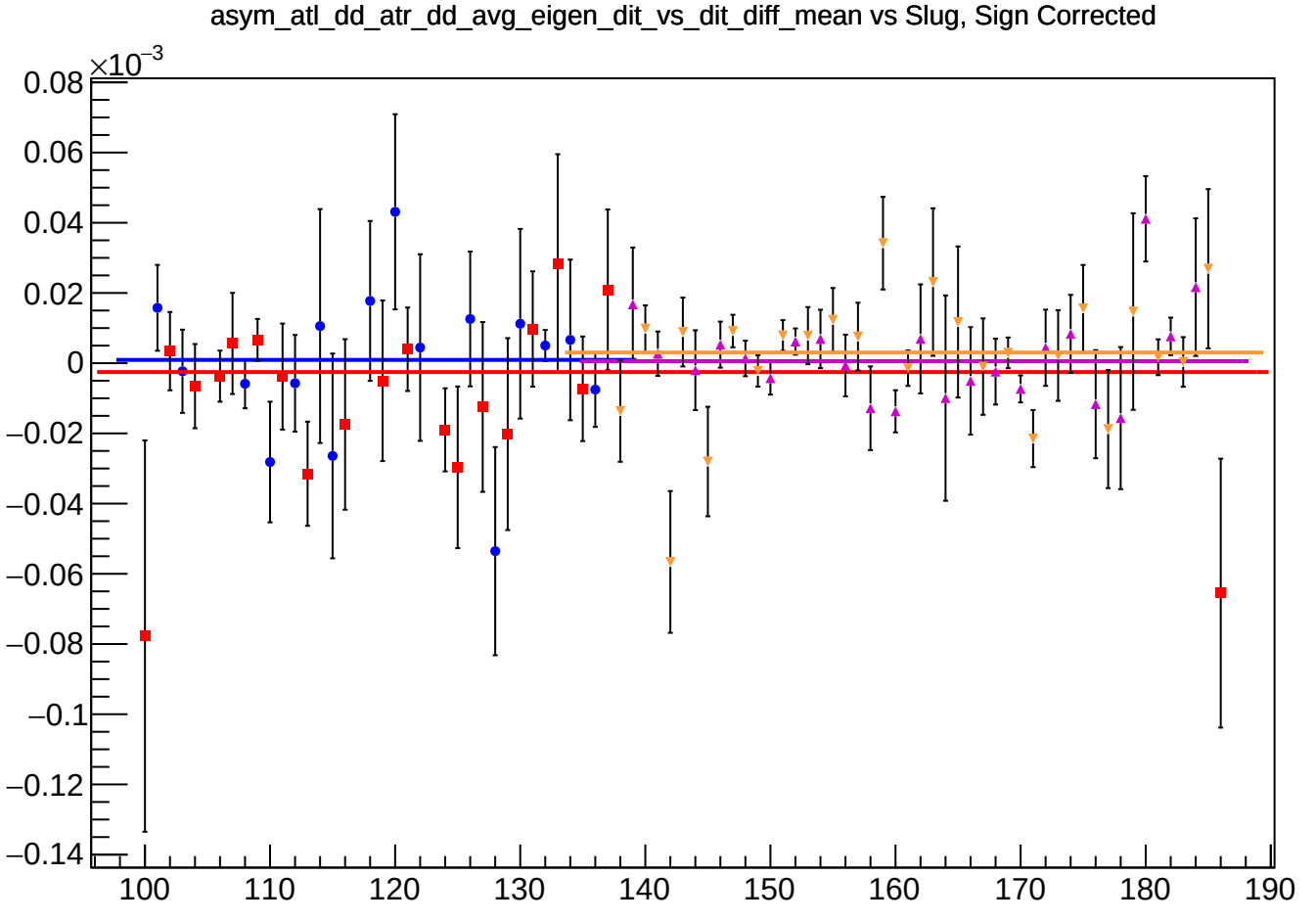
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

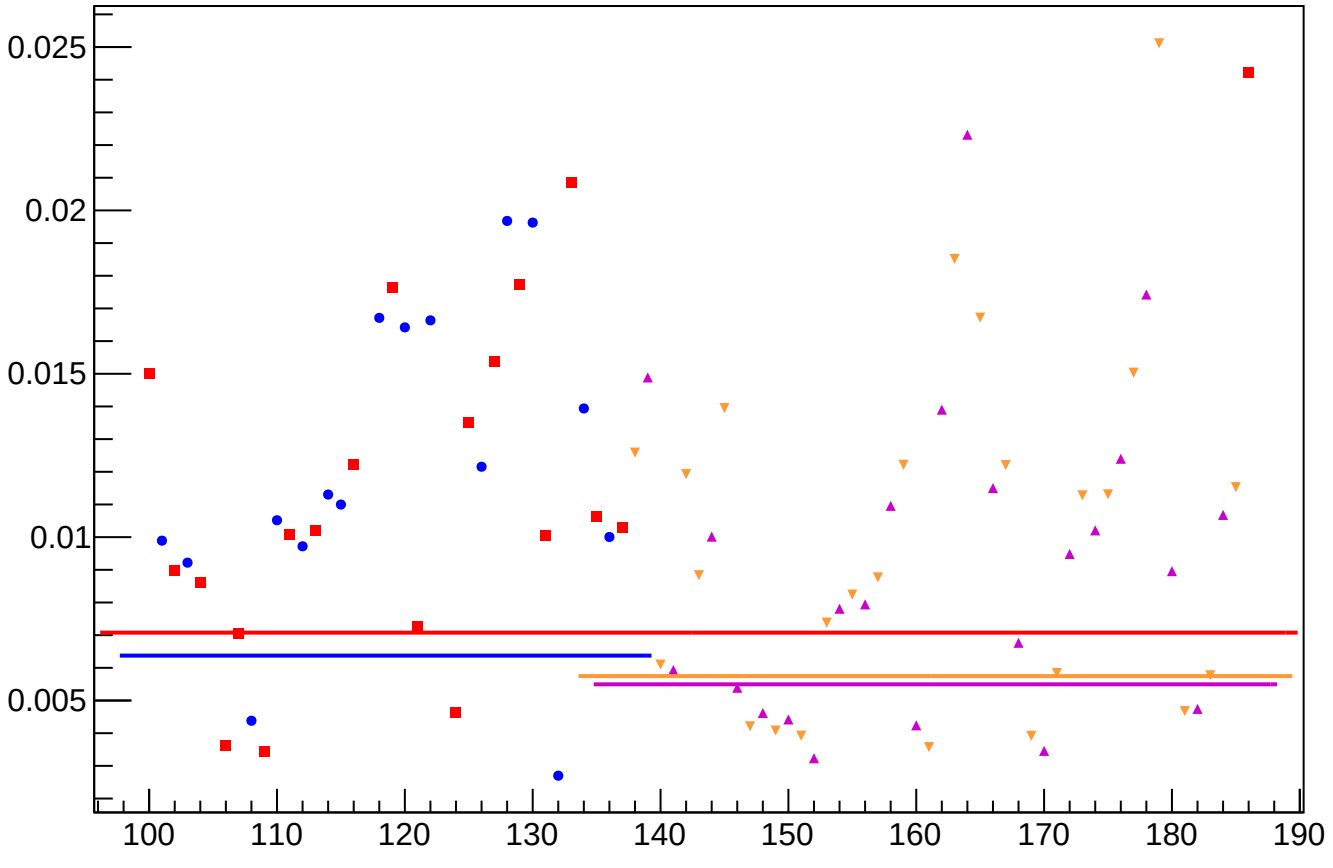
Right: 134.351+/-0.027 χ^2/NDF: 3153585.6/35

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
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: 34.3/35
In: 0.000+/-0.000 χ²/NDF:48.1/38
Out: 0.000+/-0.000 χ²/NDF:63.7/44
All: 0.000+/-0.000 χ²/NDF: 112.2/83



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

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

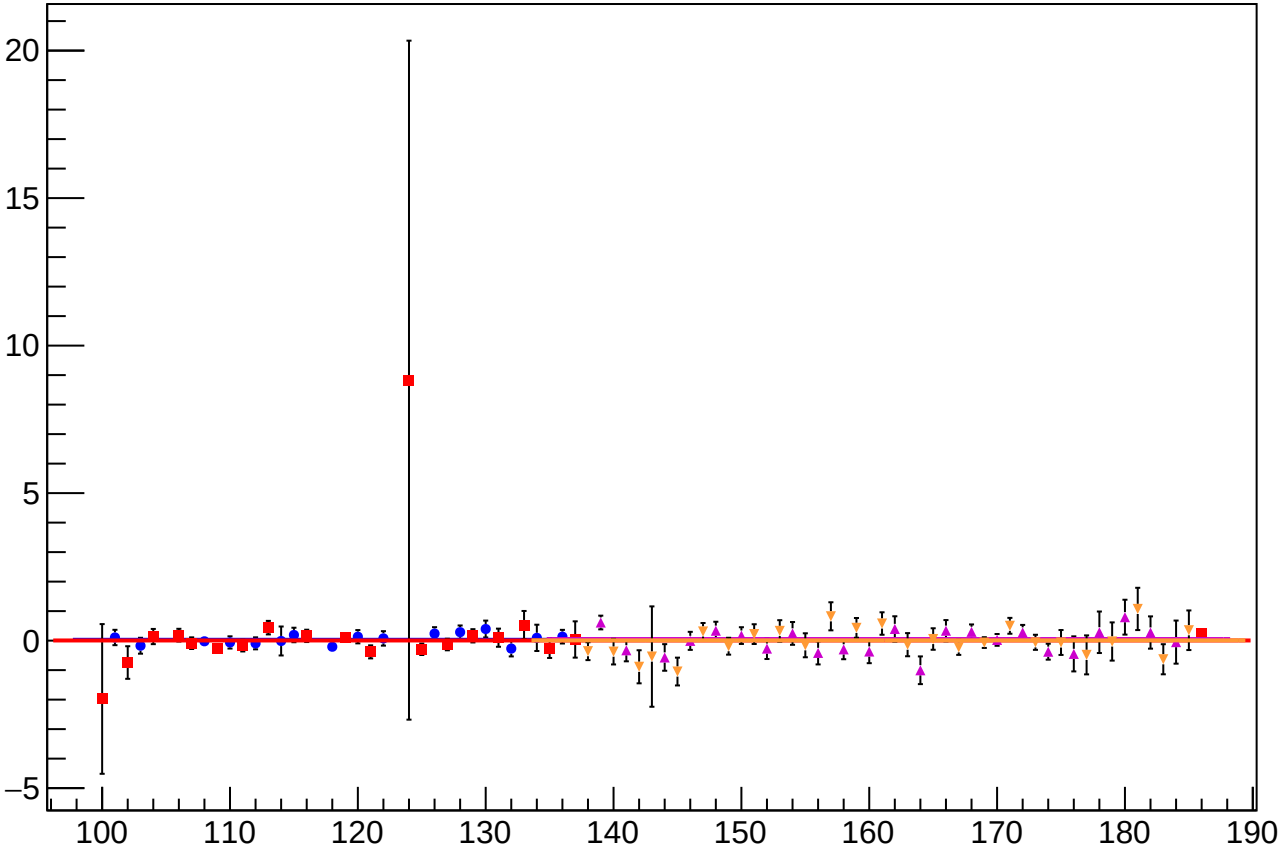
Right: 0.007+/-0.000 χ^2/NDF: 8509390.5/35

In: 0.006+/-0.000 χ^2/NDF:11719179.9/38

Out: 0.006+/-0.000 χ^2/NDF:12254012.6/44

All: 0.006+/-0.000 χ^2/NDF: 24035502.7/83

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

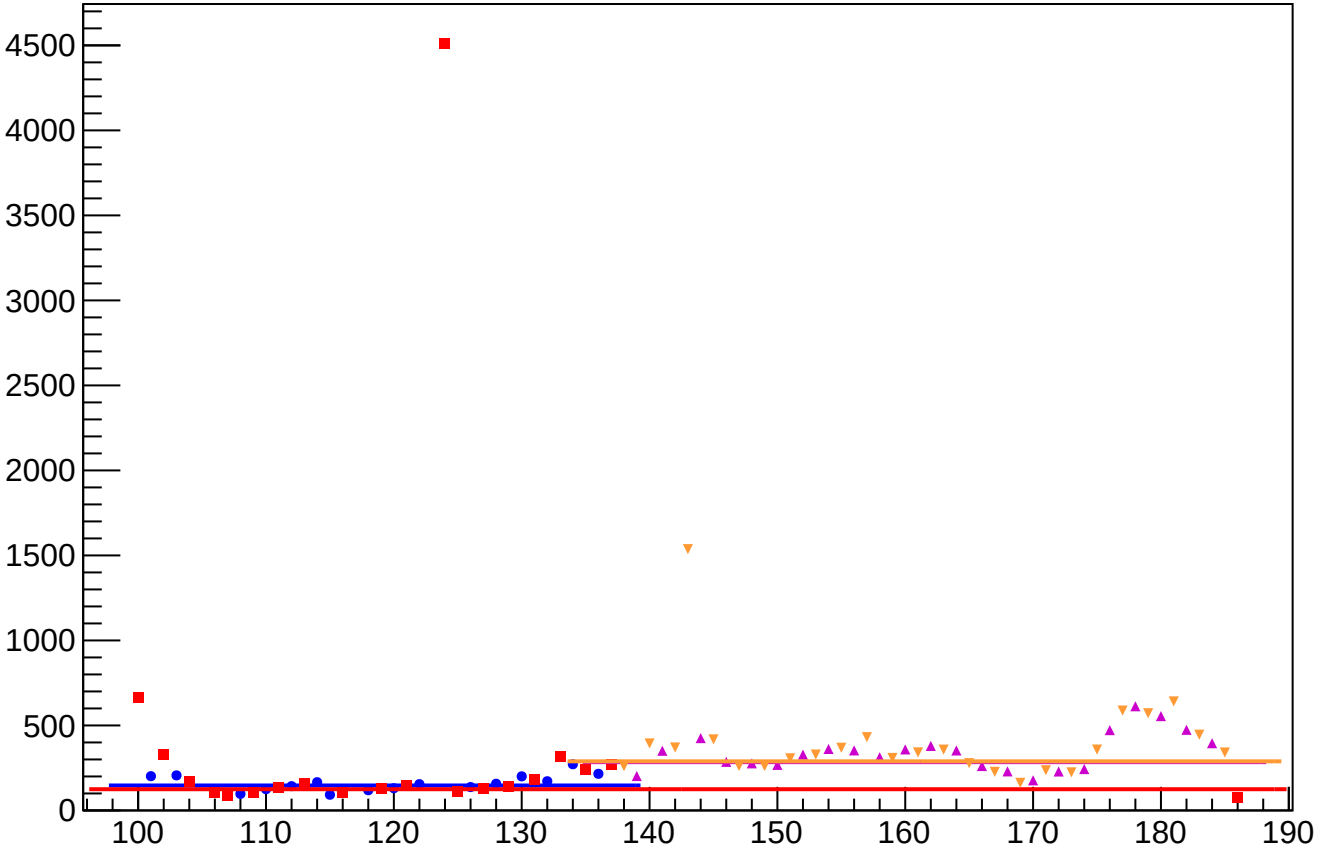
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 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

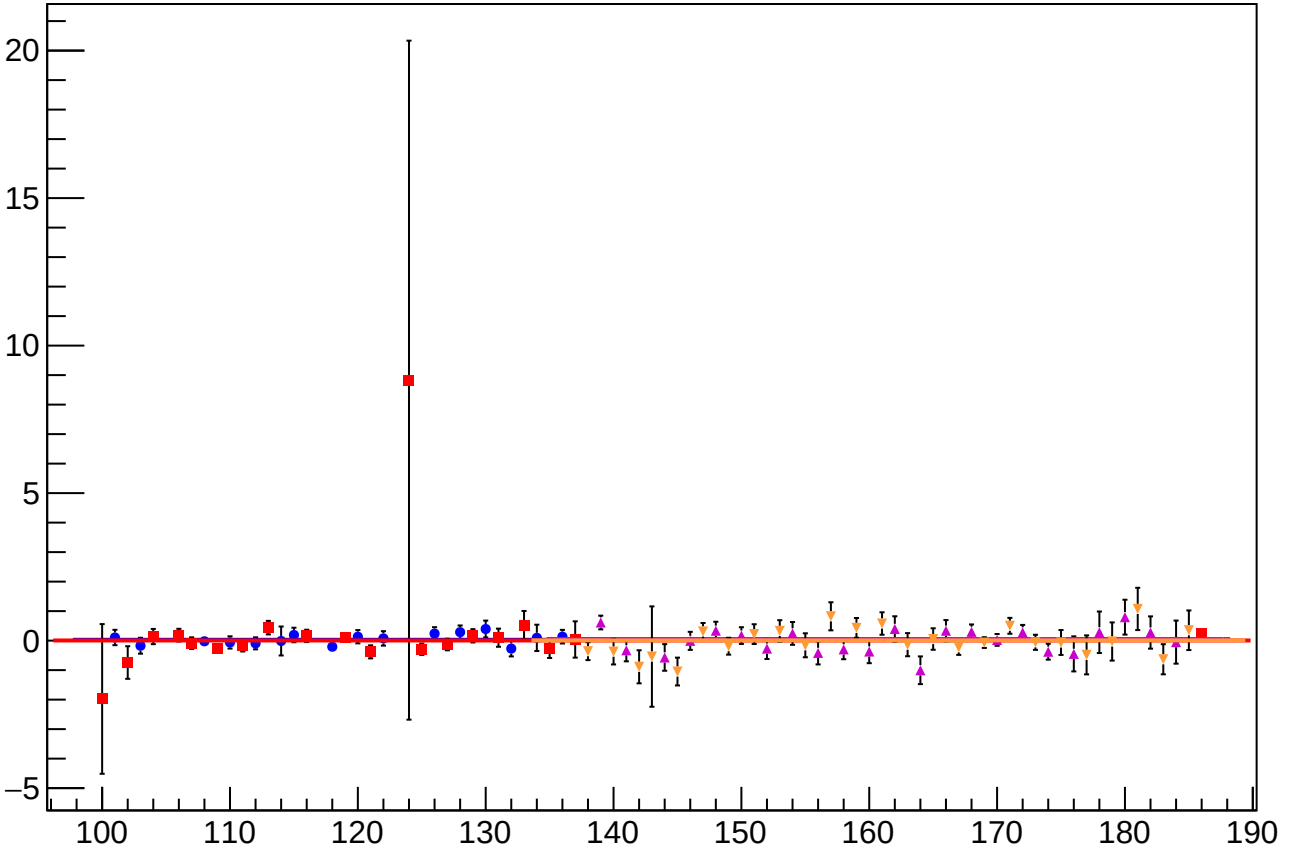
Right: 134.352+/-0.027 χ^2/NDF: 3153389.1/35

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

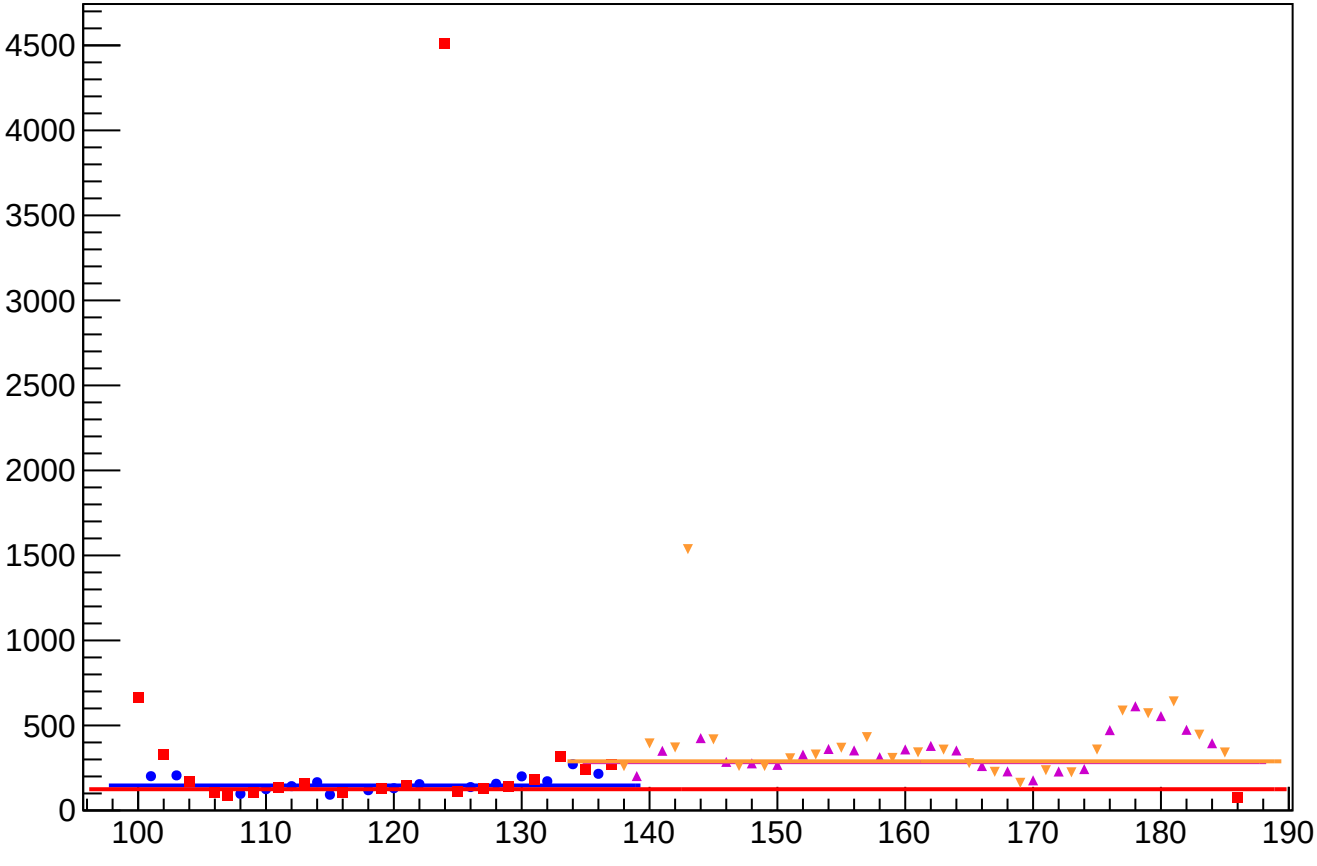
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 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

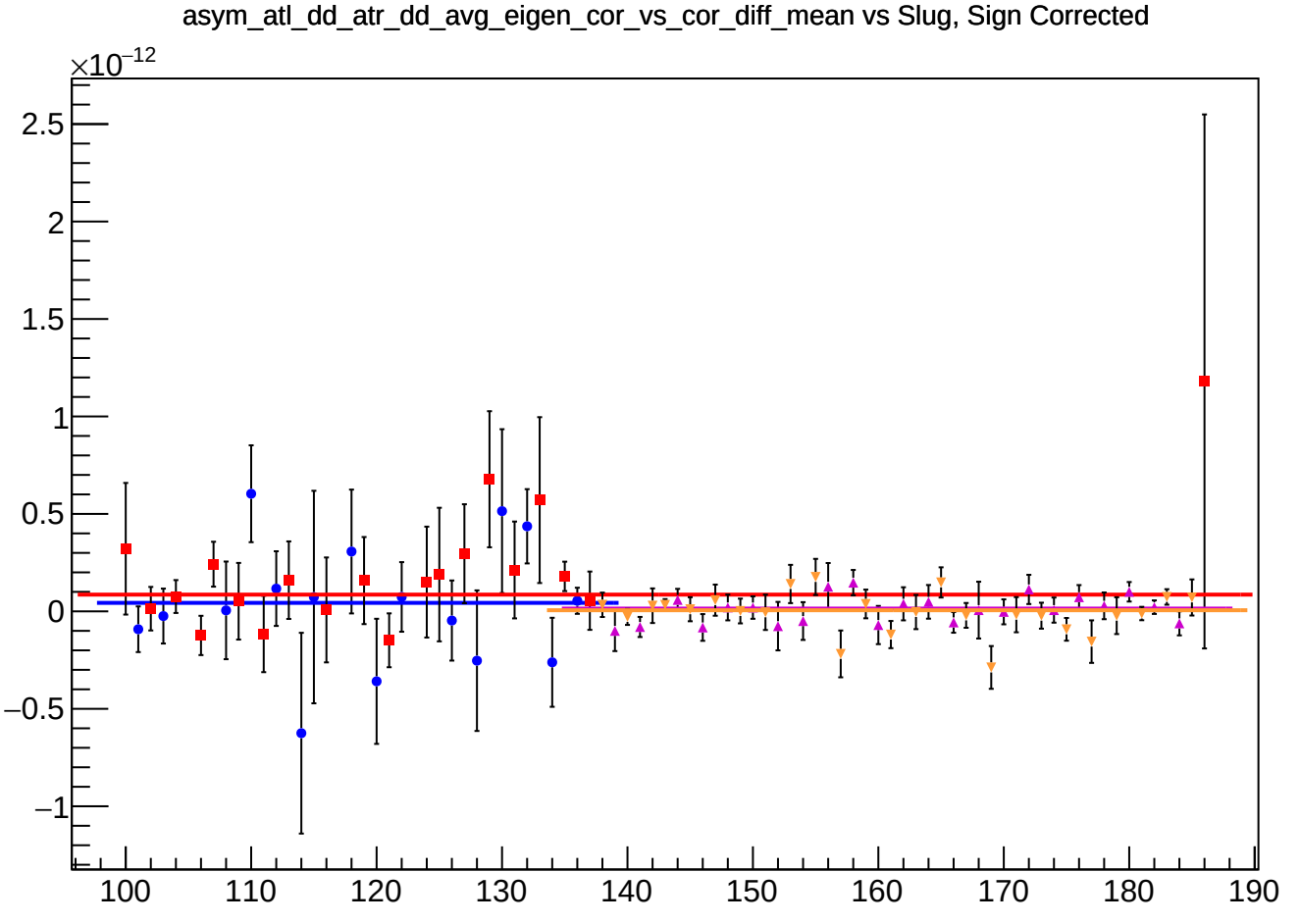
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 134.352+/-0.027 χ^2/NDF: 3153389.1/35

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

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

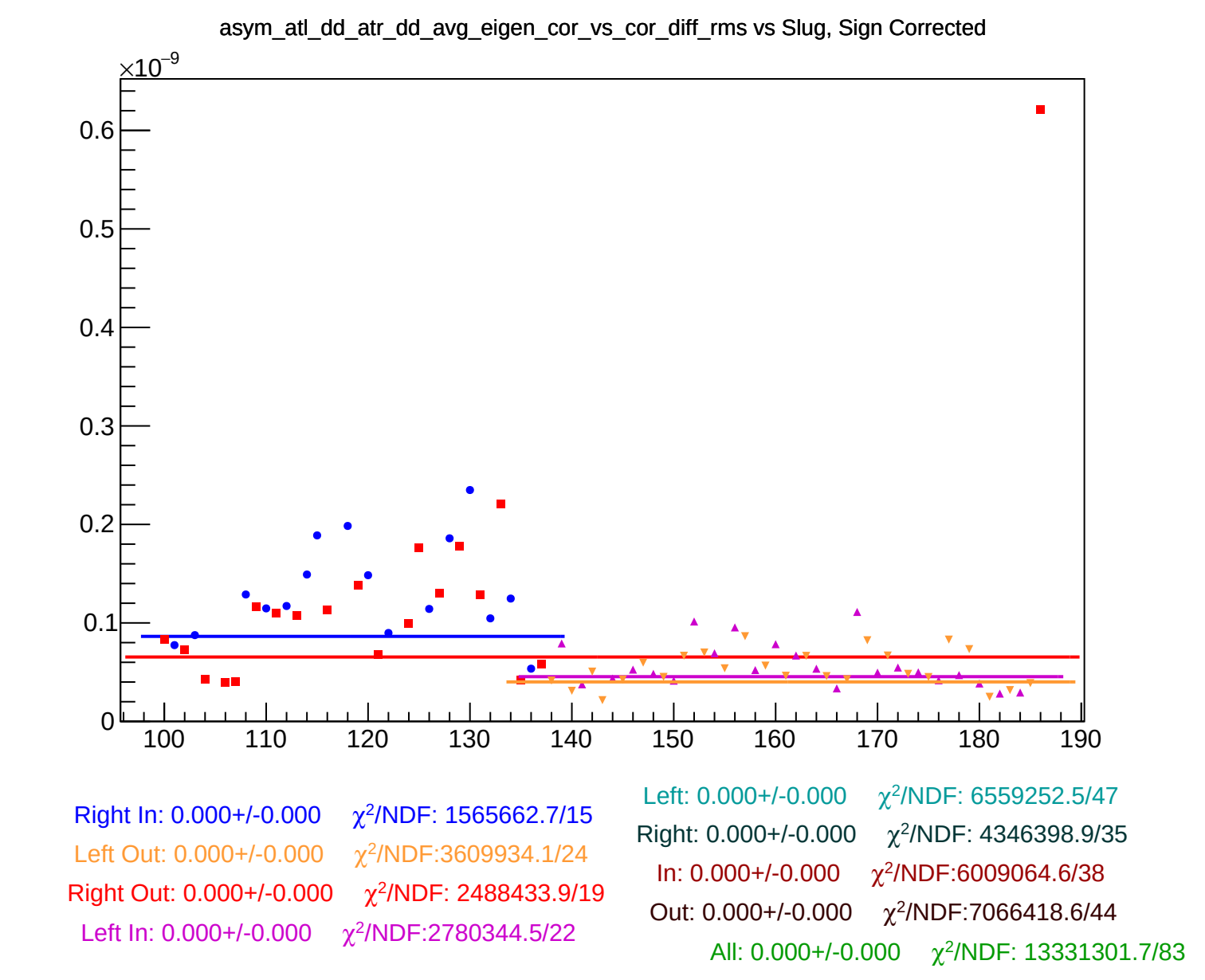
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

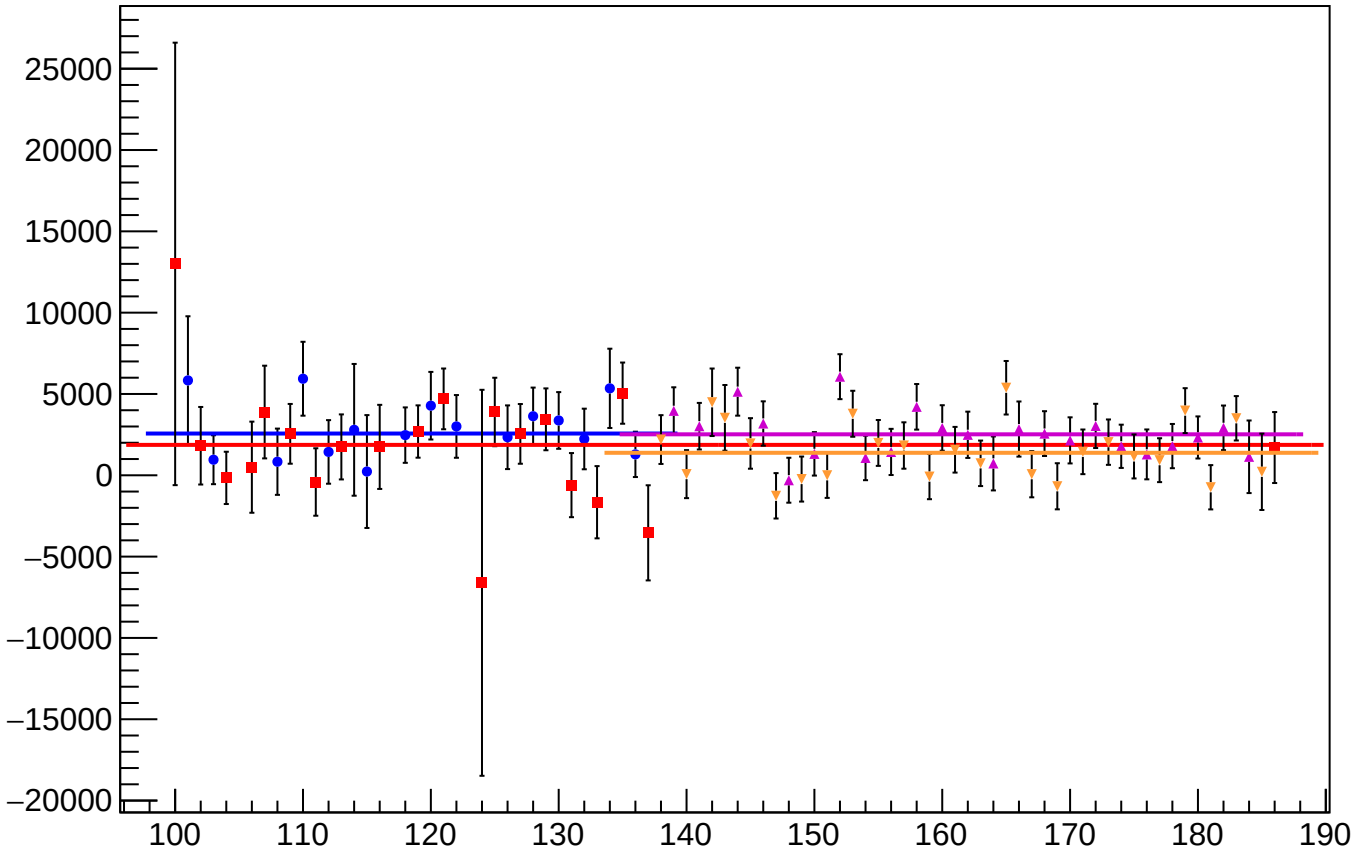
Right: 0.000+/-0.000 χ^2/NDF: 38.4/35

In: 0.000+/-0.000 χ^2/NDF:42.6/38

Out: 0.000+/-0.000 χ^2/NDF:57.9/44

All: 0.000+/-0.000 χ^2/NDF: 100.5/83


asym_atl_dd_atr_dd_avg_eigen_cor_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: 1565662.7/15
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2488433.9/19
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
Left: 0.000+/-0.000 χ²/NDF: 6559252.5/47
Right: 0.000+/-0.000 χ²/NDF: 4346398.9/35
In: 0.000+/-0.000 χ²/NDF:6009064.6/38
Out: 0.000+/-0.000 χ²/NDF:7066418.6/44
All: 0.000+/-0.000 χ²/NDF: 13331301.7/83



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

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

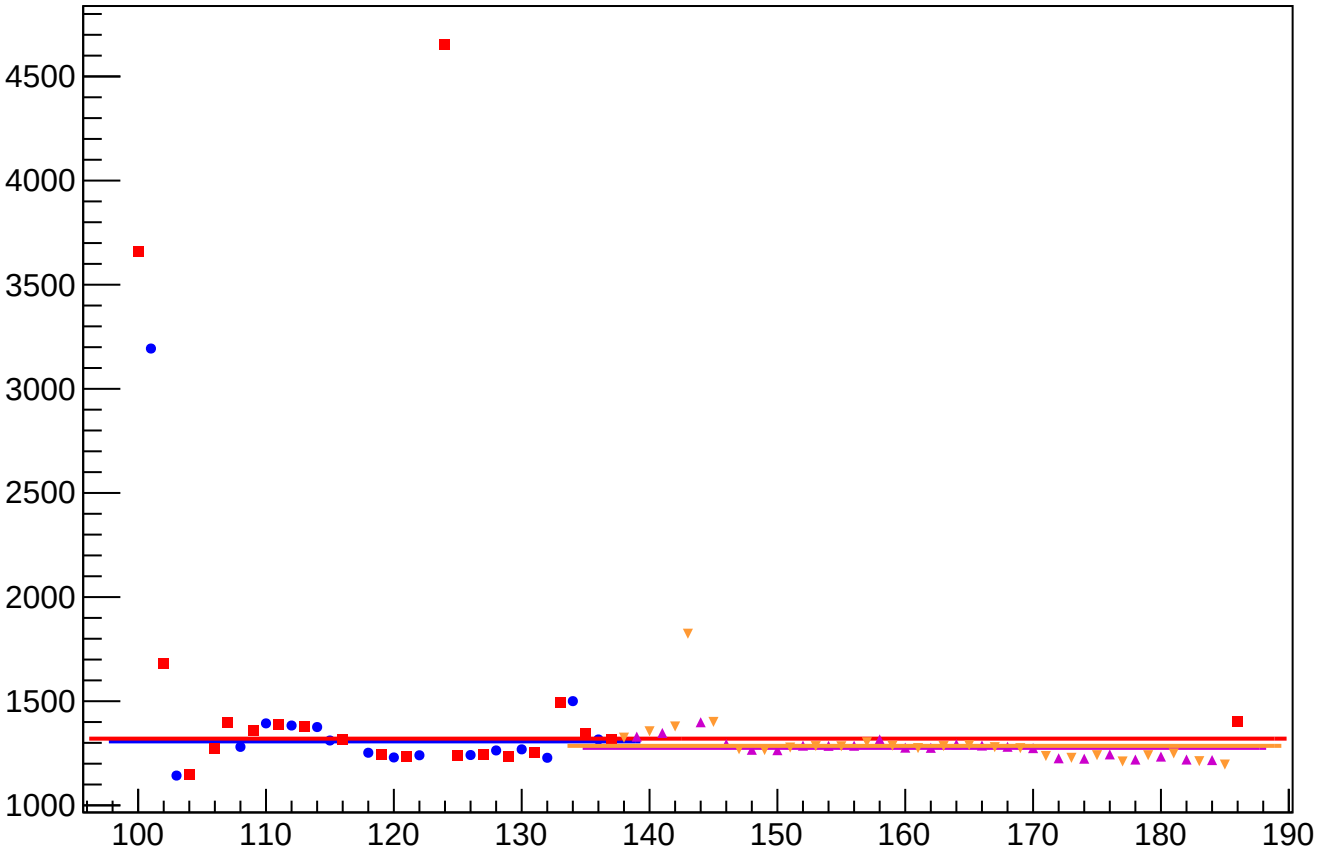
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2209.345+/-345.627 χ^2/NDF: 29.6/35

In: 2532.151+/-255.415 χ^2/NDF:31.5/38

Out: 1514.152+/-250.297 χ^2/NDF:53.2/44

All: 2012.850+/-178.769 χ^2/NDF: 92.8/83



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

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

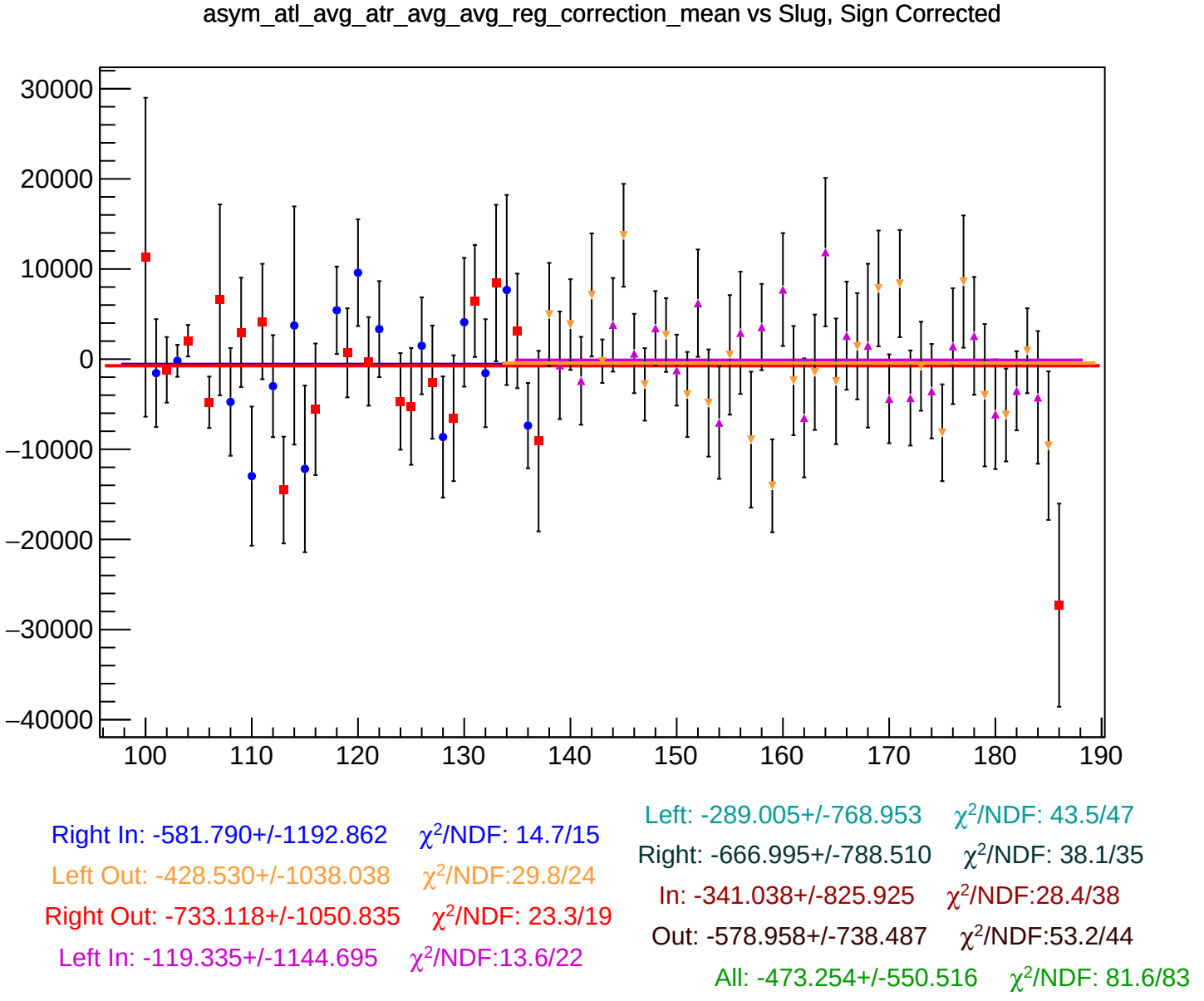
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

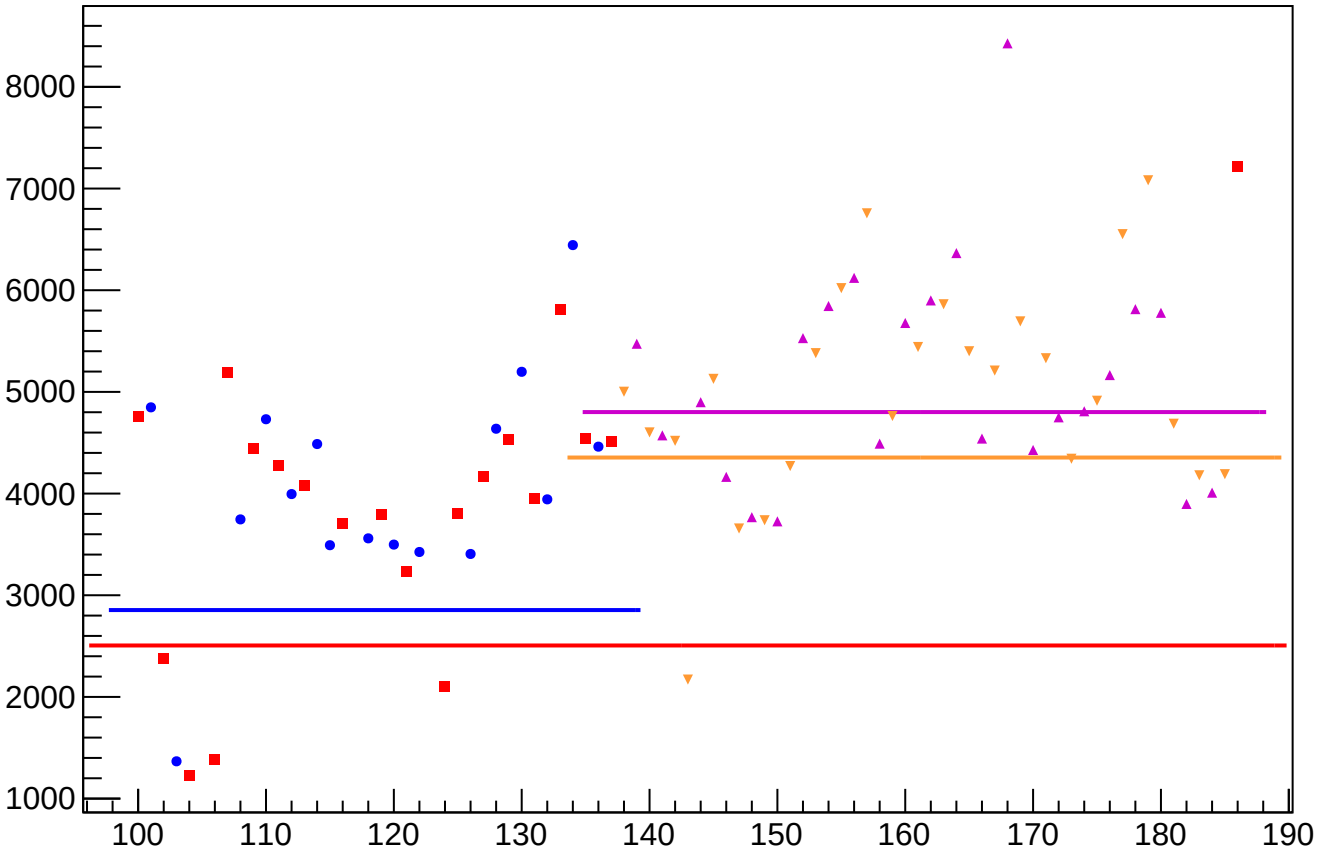
Right: 1313.855+/-0.244 χ^2/NDF: 846464.7/35

In: 1284.216+/-0.181 χ^2/NDF:563445.7/38

Out: 1294.999+/-0.177 χ^2/NDF:528063.7/44

All: 1289.720+/-0.126 χ^2/NDF: 1093329.0/83


asym_atl_avg_atr_avg_avg_reg_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: -581.790+/-1192.862 χ²/NDF: 14.7/15
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: -733.118+/-1050.835 χ²/NDF: 23.3/19
Left In: -119.335+/-1144.695 χ²/NDF:13.6/22
Left: -289.005+/-768.953 χ²/NDF: 43.5/47
Right: -666.995+/-788.510 χ²/NDF: 38.1/35
In: -341.038+/-825.925 χ²/NDF:28.4/38
Out: -578.958+/-738.487 χ²/NDF:53.2/44
All: -473.254+/-550.516 χ²/NDF: 81.6/83



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

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

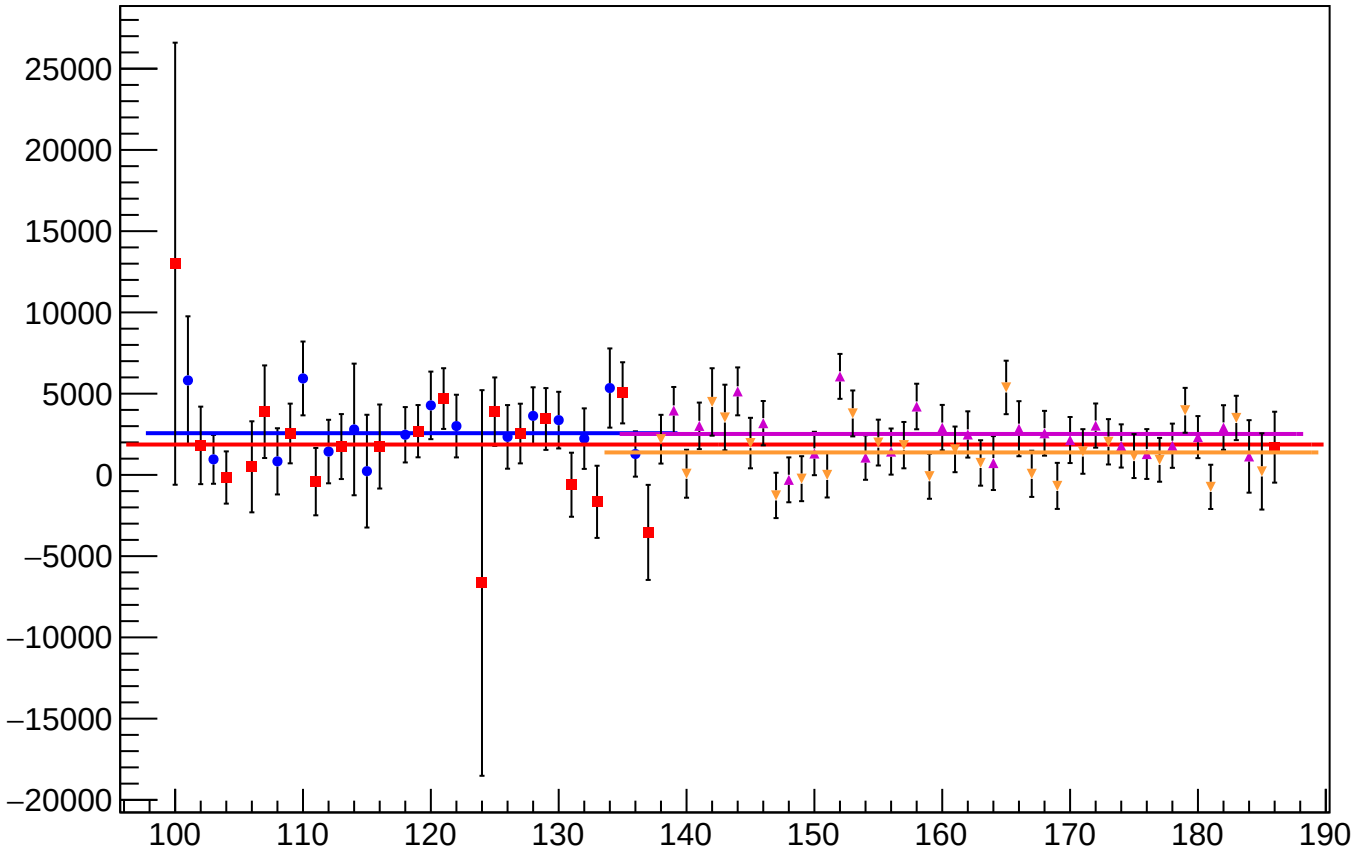
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2658.167+/-0.558 χ^2/NDF: 6710093.7/35

In: 3868.044+/-0.584 χ^2/NDF:6911335.0/38

Out: 3441.567+/-0.522 χ^2/NDF:9913174.4/44

All: 3631.043+/-0.389 χ^2/NDF: 17120852.7/8



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

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

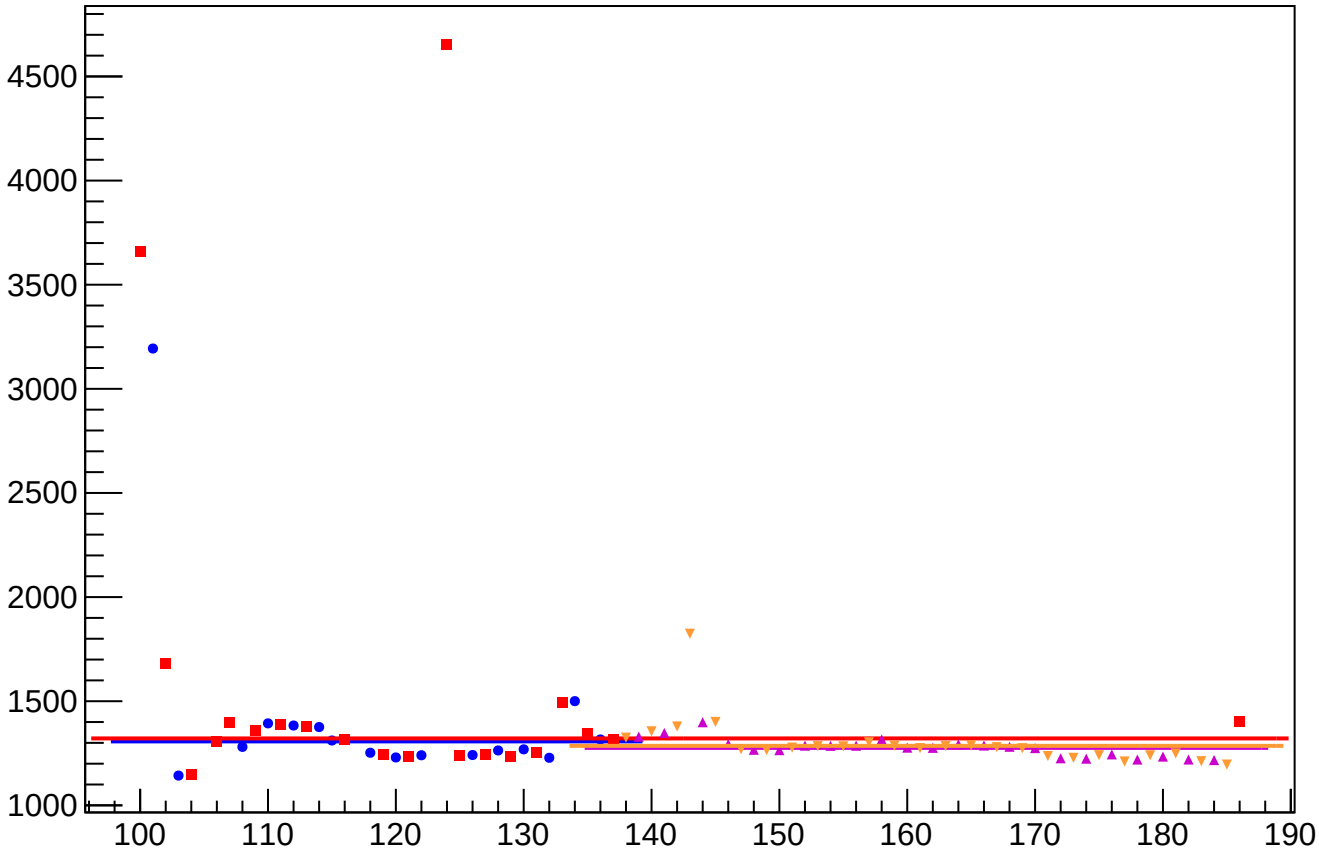
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2209.081+/-345.627 χ^2/NDF: 29.6/35

In: 2532.078+/-255.415 χ^2/NDF:31.5/38

Out: 1514.038+/-250.297 χ^2/NDF:53.2/44

All: 2012.756+/-178.769 χ^2/NDF: 92.8/83



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

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

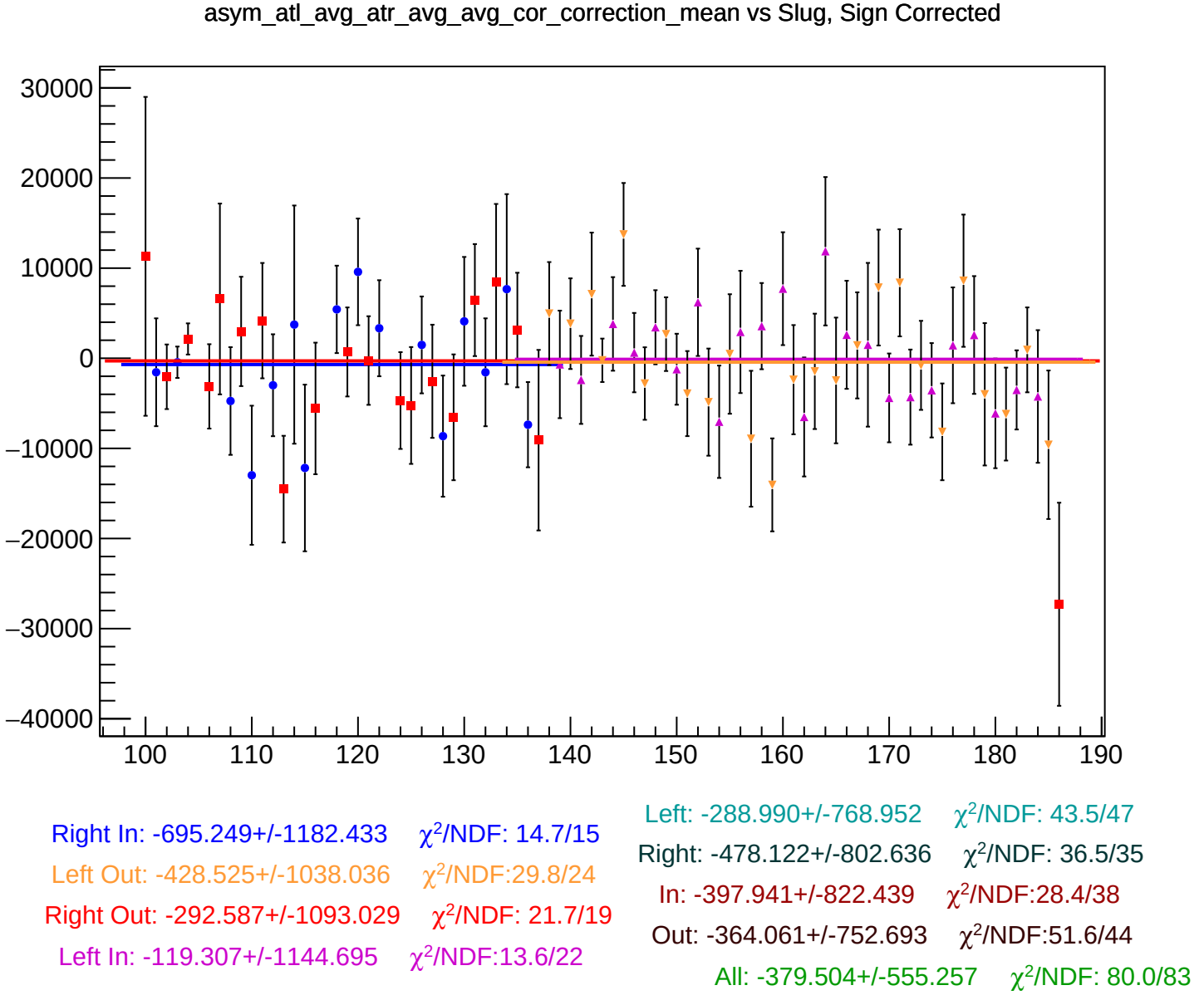
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

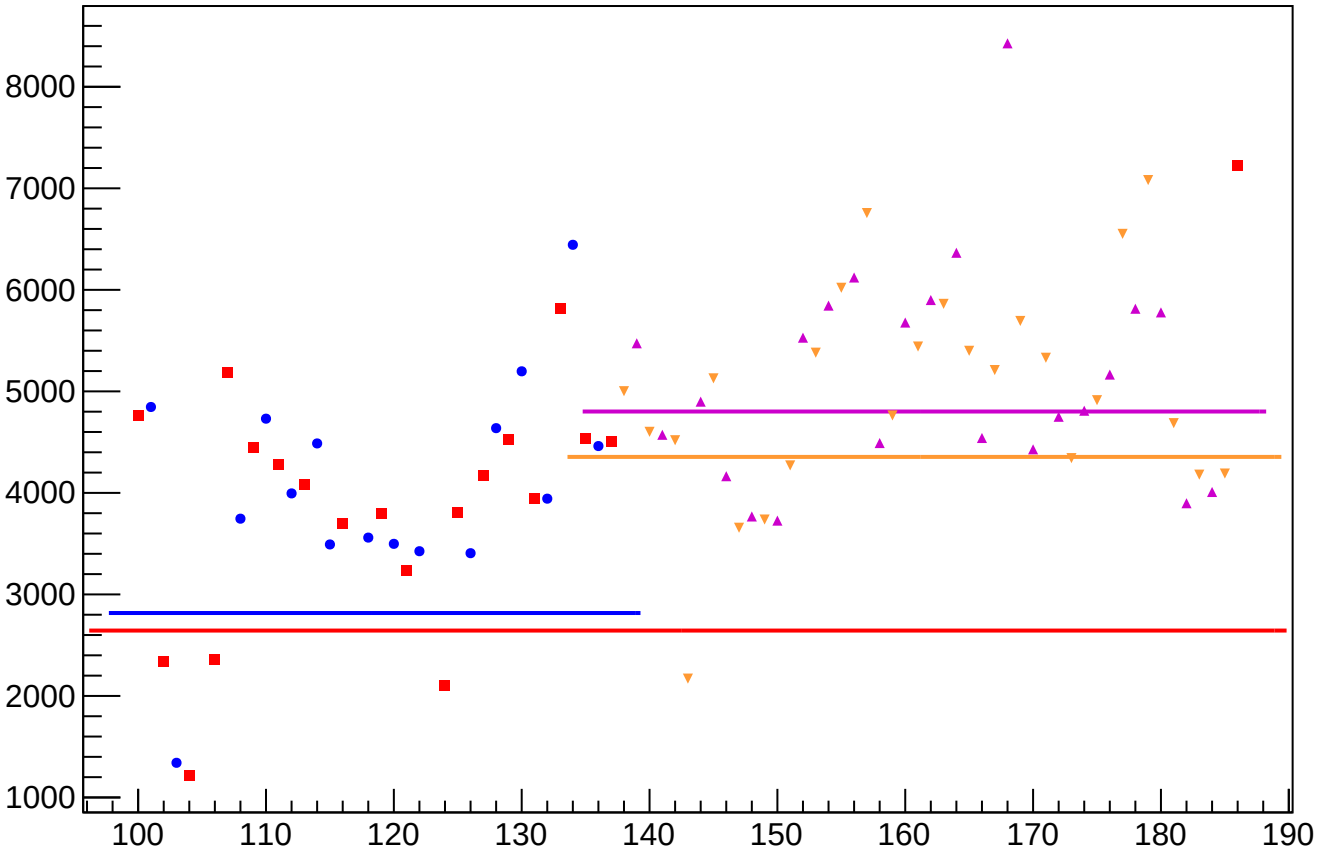
Right: 1314.405+/-0.244 χ^2/NDF: 846018.1/35

In: 1284.216+/-0.181 χ^2/NDF:563447.1/38

Out: 1295.280+/-0.177 χ^2/NDF:527961.7/44

All: 1289.863+/-0.126 χ^2/NDF: 1093324.2/83


asym_atl_avg_atr_avg_avg_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: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -292.587+/-1093.029 χ²/NDF: 21.7/19
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -478.122+/-802.636 χ²/NDF: 36.5/35
In: -397.941+/-822.439 χ²/NDF:28.4/38
Out: -364.061+/-752.693 χ²/NDF:51.6/44
All: -379.504+/-555.257 χ²/NDF: 80.0/83



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

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

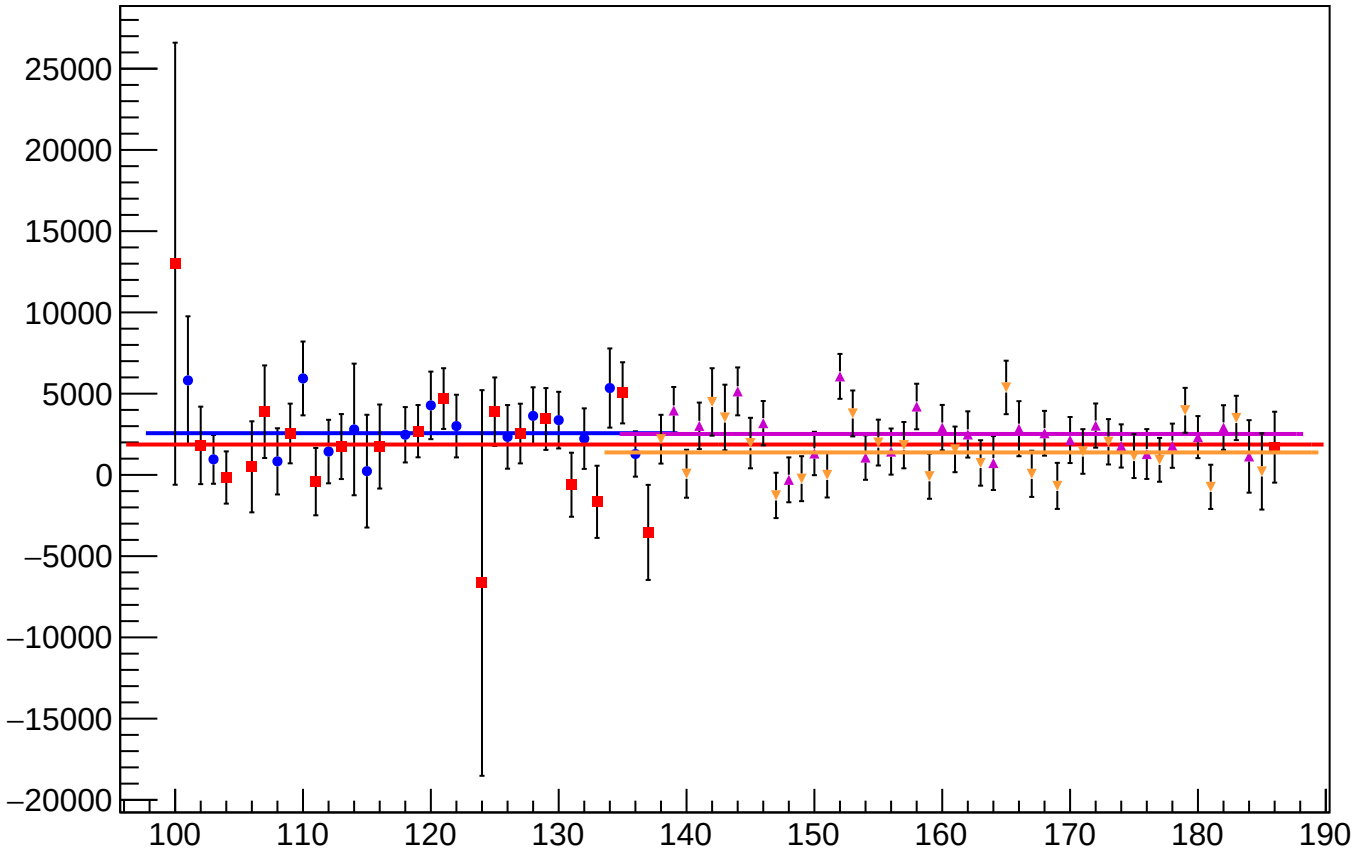
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2723.613+/-0.568 χ^2/NDF: 6444523.4/35

In: 3841.355+/-0.582 χ^2/NDF:7148392.7/38

Out: 3543.366+/-0.532 χ^2/NDF:9060766.0/44

All: 3679.191+/-0.393 χ^2/NDF: 16352039.9/8



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

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

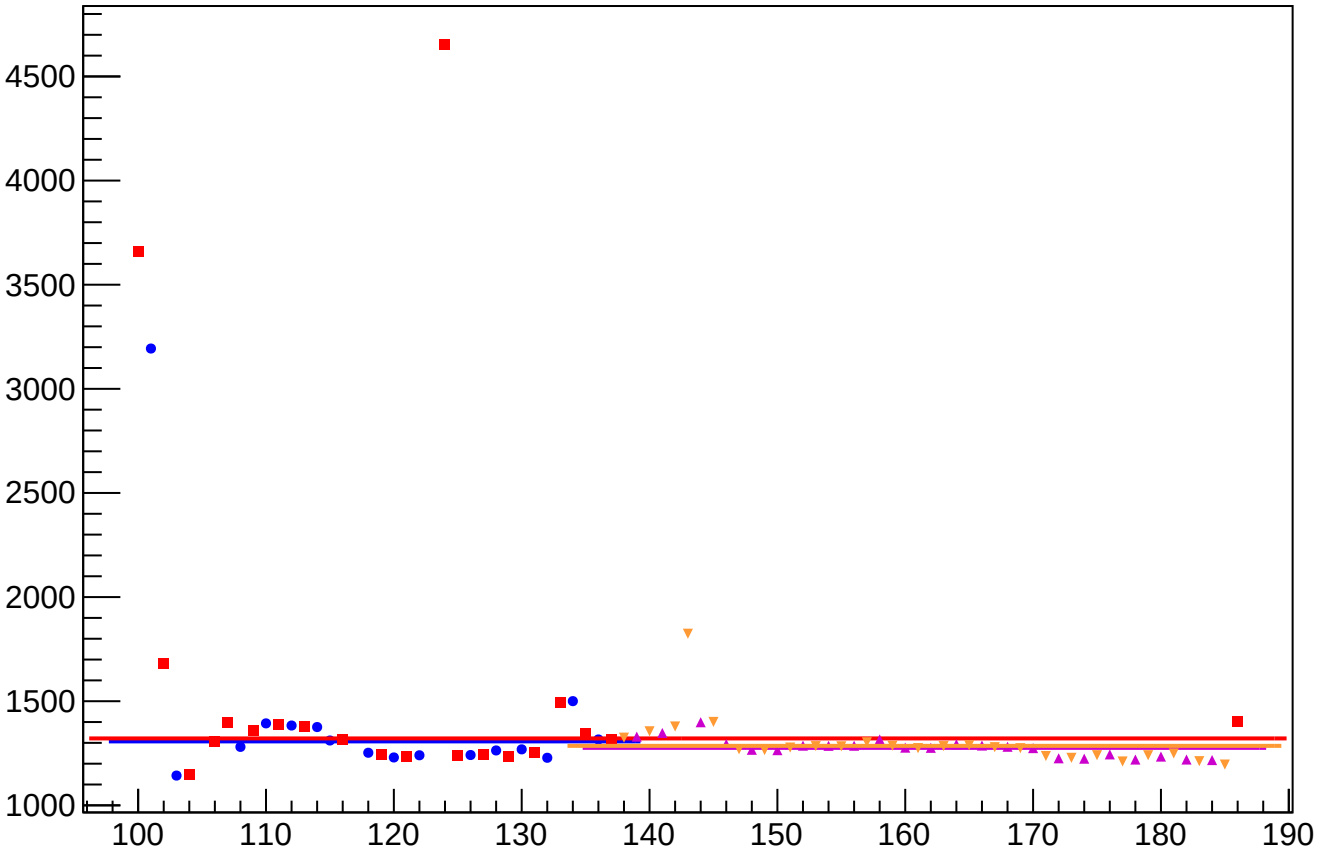
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2209.081+/-345.627 χ^2/NDF: 29.6/35

In: 2532.078+/-255.415 χ^2/NDF:31.5/38

Out: 1514.038+/-250.297 χ^2/NDF:53.2/44

All: 2012.756+/-178.769 χ^2/NDF: 92.8/83



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

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

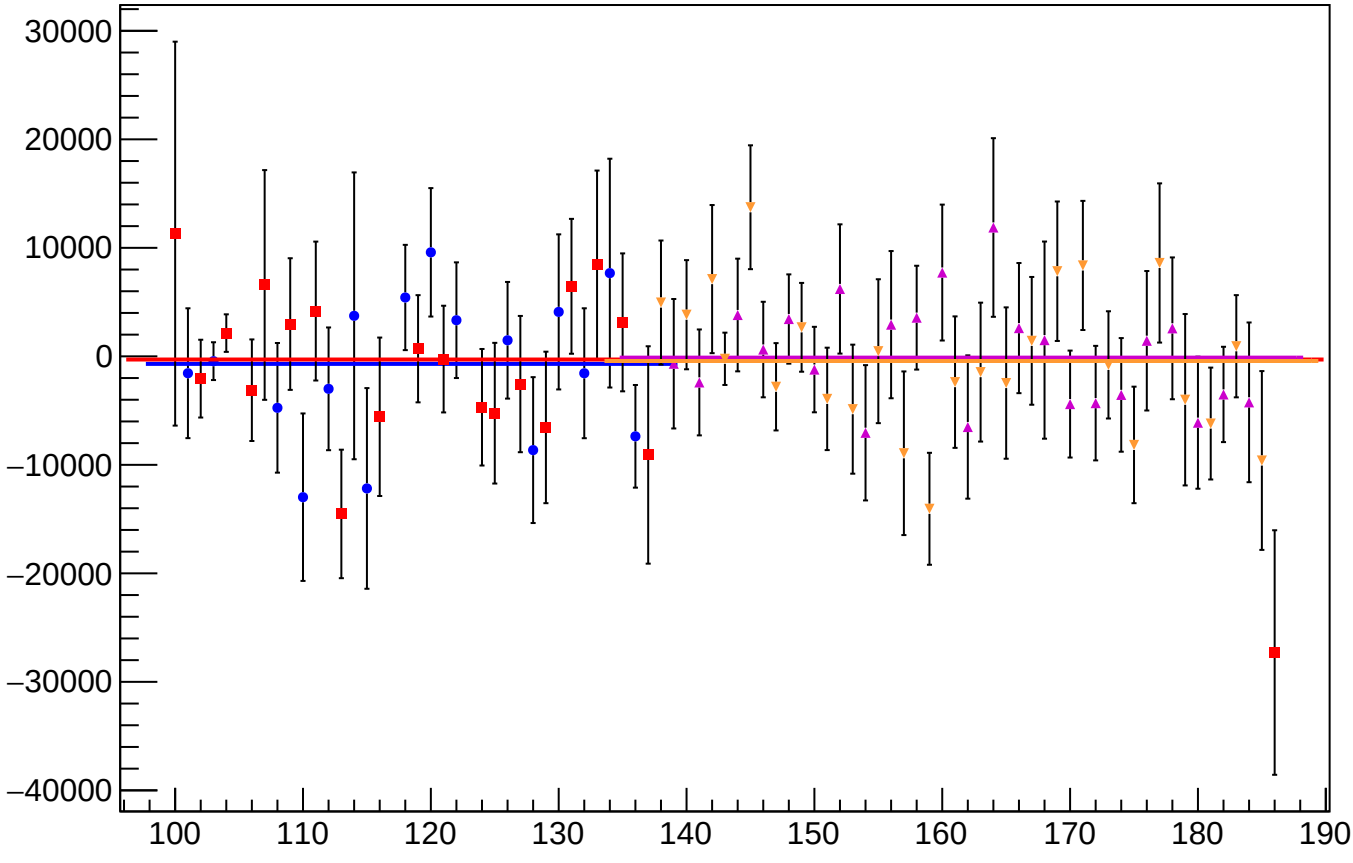
Right: 1314.405+/-0.244 χ^2/NDF: 846018.1/35

In: 1284.216+/-0.181 χ^2/NDF:563447.1/38

Out: 1295.280+/-0.177 χ^2/NDF:527961.7/44

All: 1289.863+/-0.126 χ^2/NDF: 1093324.2/83

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -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

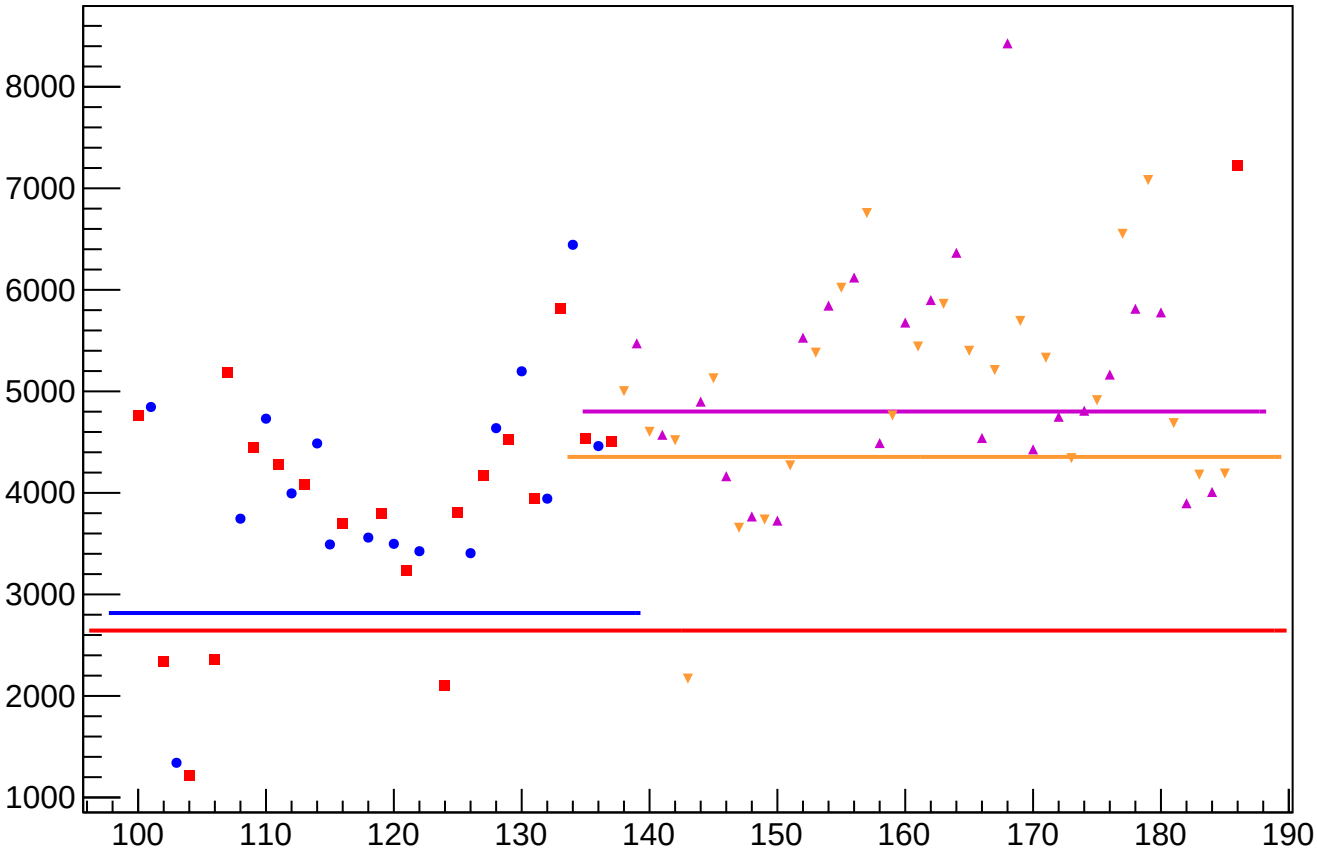
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -478.122+/-802.636 χ^2/NDF: 36.5/35

In: -397.941+/-822.439 χ^2/NDF:28.4/38

Out: -364.061+/-752.693 χ^2/NDF:51.6/44

All: -379.504+/-555.257 χ^2/NDF: 80.0/83



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

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

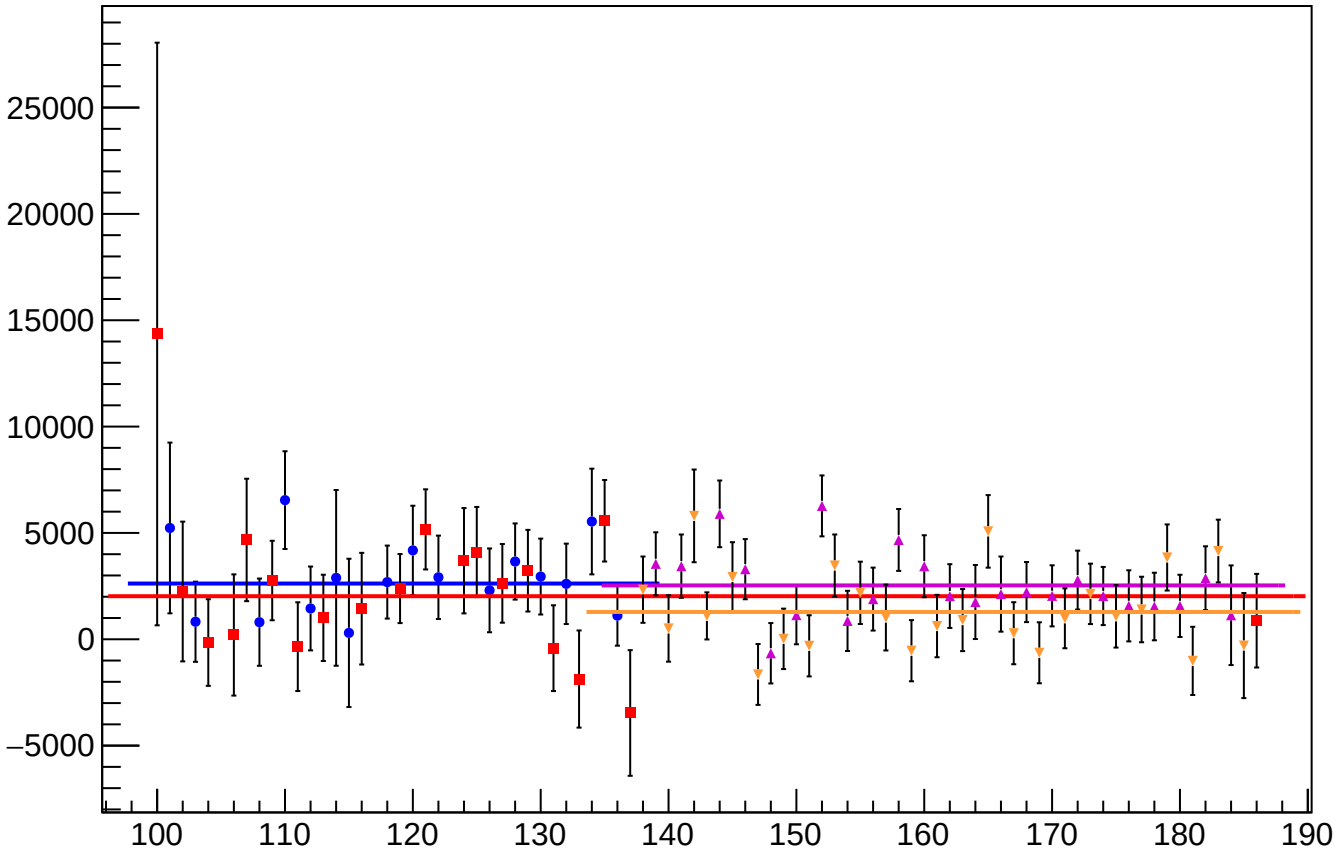
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2723.613+/-0.568 χ^2/NDF: 6444523.4/35

In: 3841.355+/-0.582 χ^2/NDF:7148392.7/38

Out: 3543.366+/-0.532 χ^2/NDF:9060766.0/44

All: 3679.191+/-0.393 χ^2/NDF: 16352039.9/8



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

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

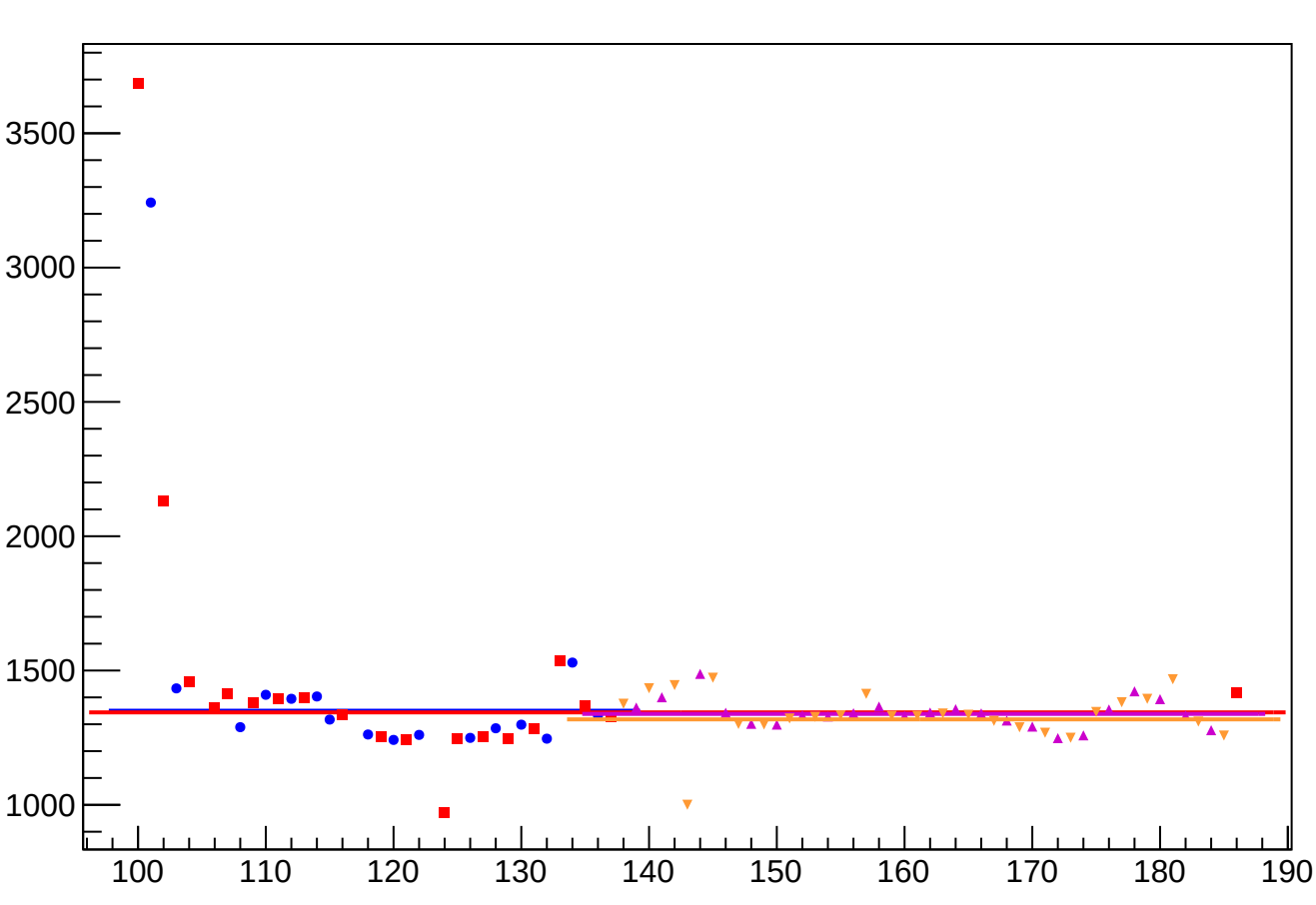
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2311.269+/-354.628 χ^2/NDF: 31.3/35

In: 2555.954+/-266.911 χ^2/NDF:34.4/38

Out: 1485.613+/-256.481 χ^2/NDF:56.3/44

All: 1999.463+/-184.937 χ^2/NDF: 99.0/83



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

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

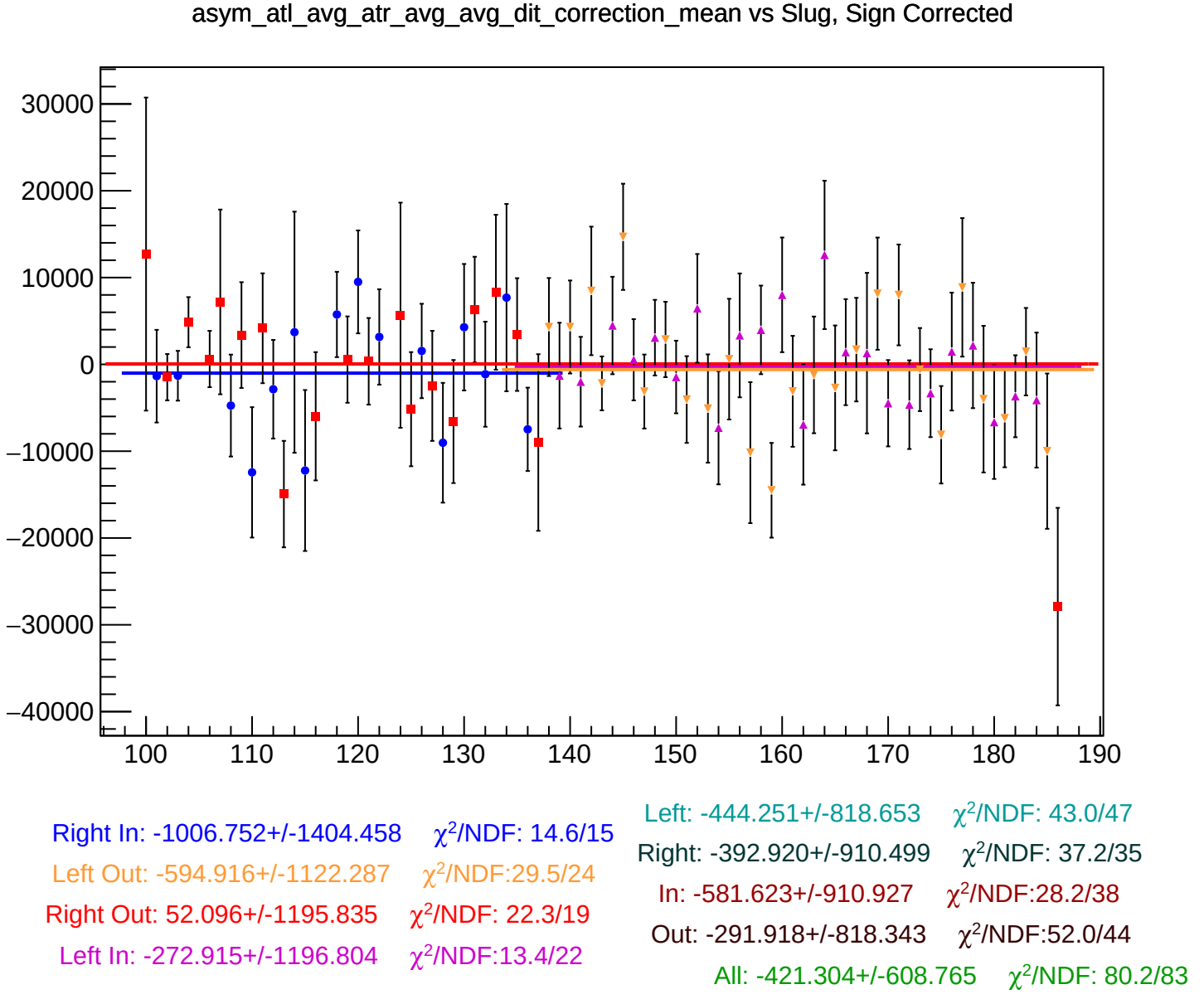
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1347.161+/-0.251 χ^2/NDF: 768618.9/35

In: 1341.806+/-0.189 χ^2/NDF:549069.7/38

Out: 1325.249+/-0.181 χ^2/NDF:527040.9/44

All: 1333.197+/-0.131 χ^2/NDF: 1080112.5/83


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
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10000
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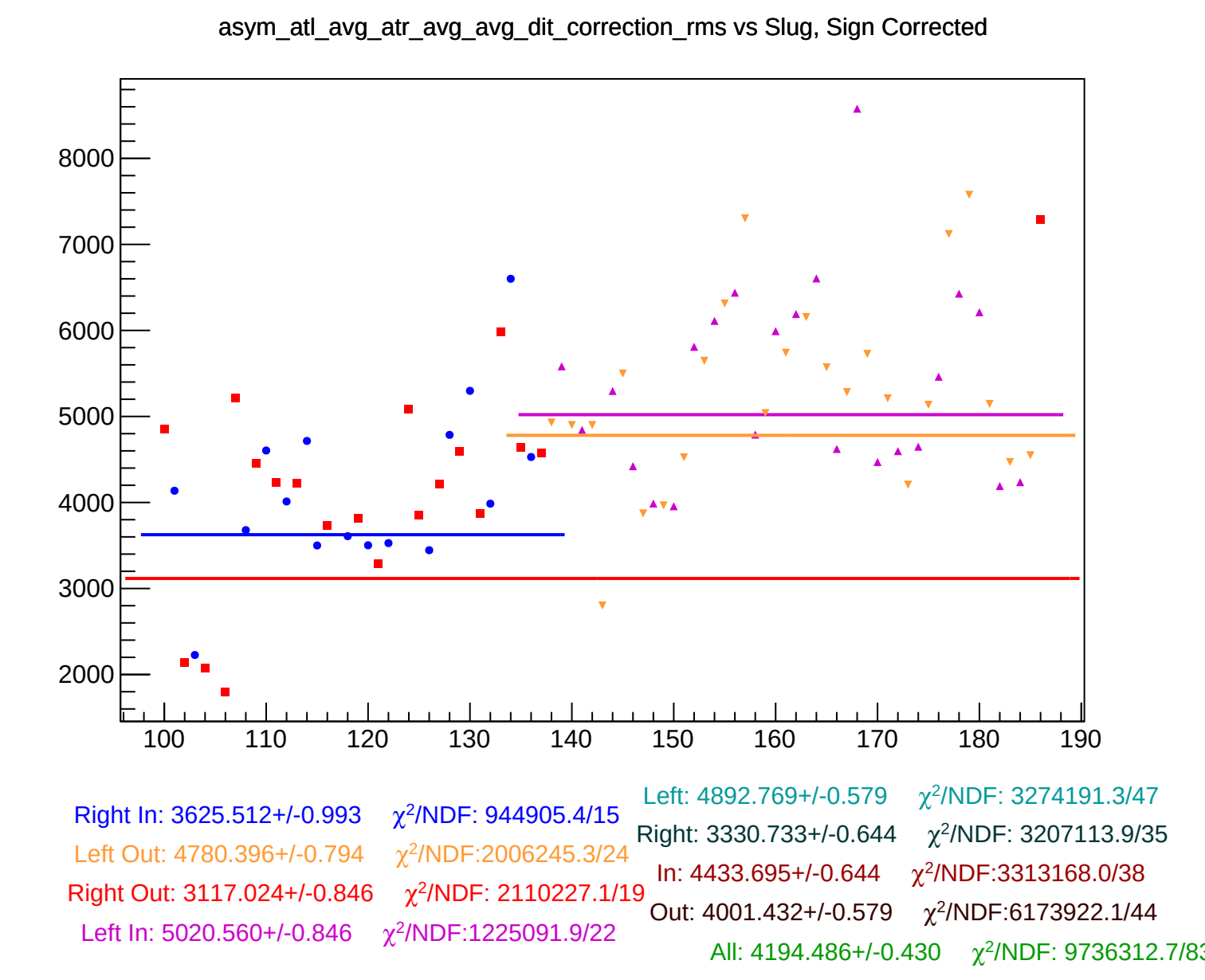
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: 52.096+/-1195.835 χ²/NDF: 22.3/19
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -392.920+/-910.499 χ²/NDF: 37.2/35
In: -581.623+/-910.927 χ²/NDF:28.2/38
Out: -291.918+/-818.343 χ²/NDF:52.0/44
All: -421.304+/-608.765 χ²/NDF: 80.2/83


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
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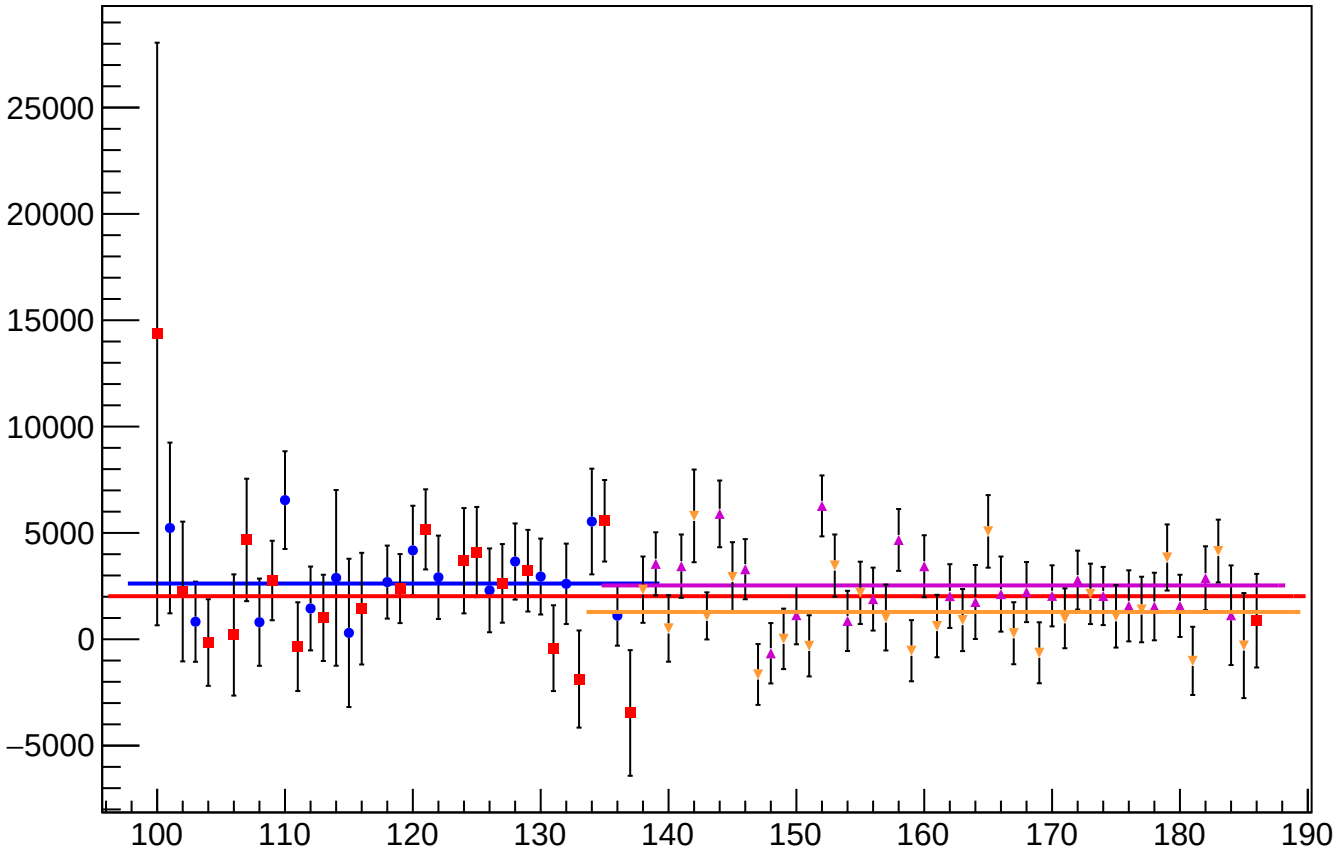
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4780.396+/-0.794 χ²/NDF:2006245.3/24
Right Out: 3117.024+/-0.846 χ²/NDF: 2110227.1/19
Left In: 5020.560+/-0.846 χ²/NDF:1225091.9/22
Left: 4892.769+/-0.579 χ²/NDF: 3274191.3/47
Right: 3330.733+/-0.644 χ²/NDF: 3207113.9/35
In: 4433.695+/-0.644 χ²/NDF:3313168.0/38
Out: 4001.432+/-0.579 χ²/NDF:6173922.1/44
All: 4194.486+/-0.430 χ²/NDF: 9736312.7/83



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

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

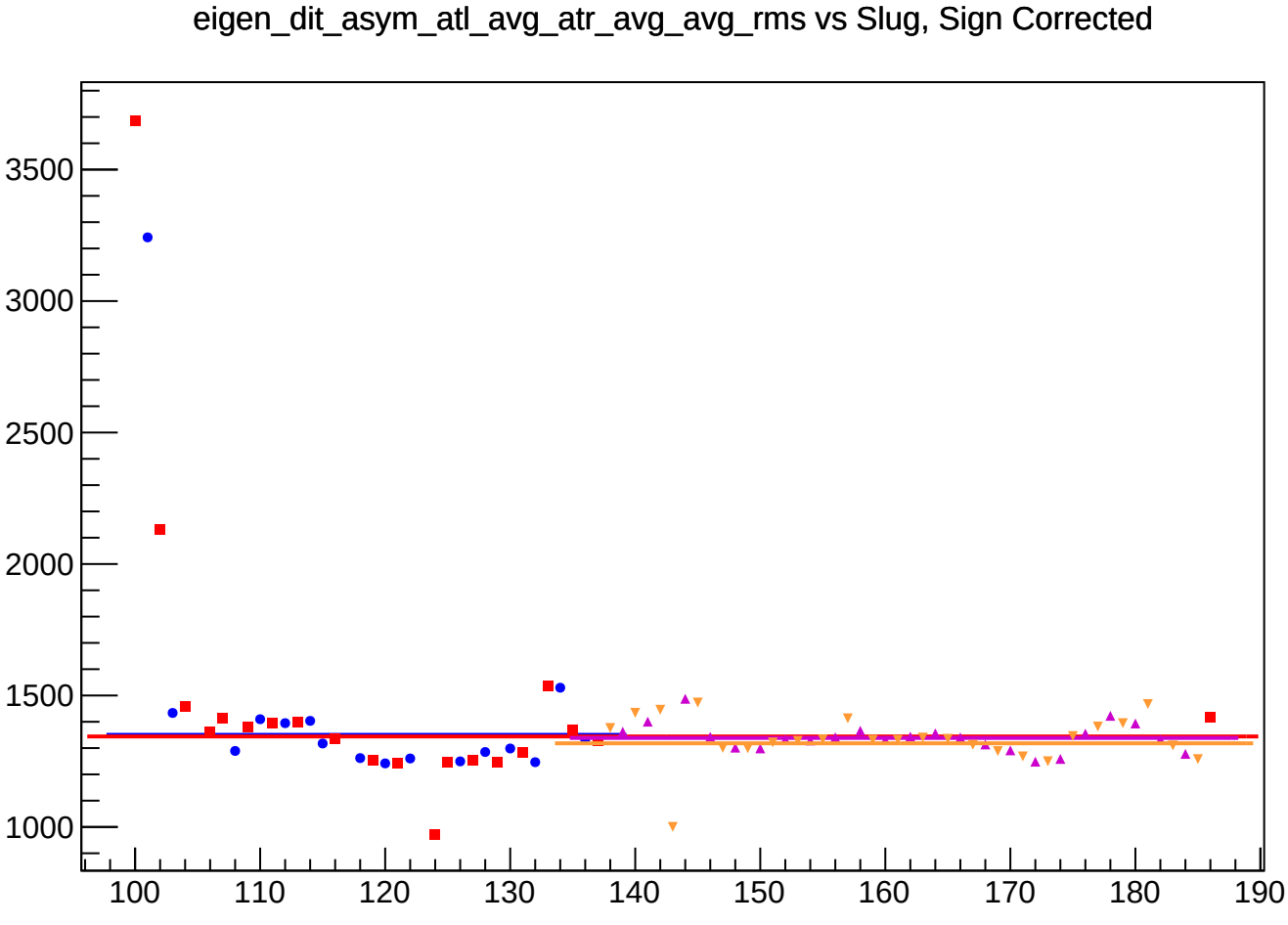
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2311.272+/-354.628 χ^2/NDF: 31.3/35

In: 2555.955+/-266.912 χ^2/NDF:34.4/38

Out: 1485.611+/-256.482 χ^2/NDF:56.3/44

All: 1999.462+/-184.937 χ^2/NDF: 99.0/83



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

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

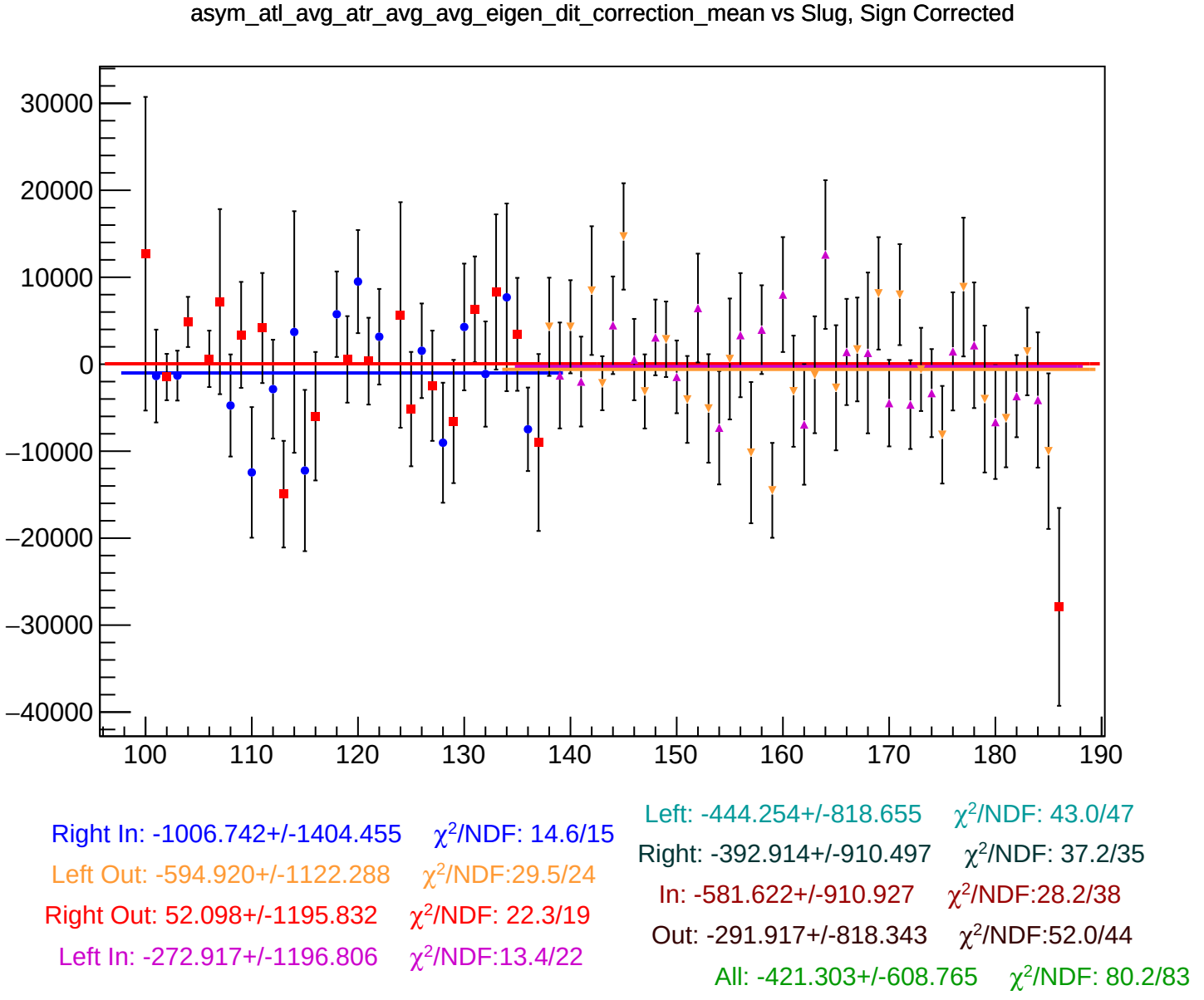
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1347.161+/-0.251 χ^2/NDF: 768618.0/35

In: 1341.807+/-0.189 χ^2/NDF:549072.1/38

Out: 1325.250+/-0.181 χ^2/NDF:527041.8/44

All: 1333.198+/-0.131 χ^2/NDF: 1080115.9/83


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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−20000
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110
120
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140
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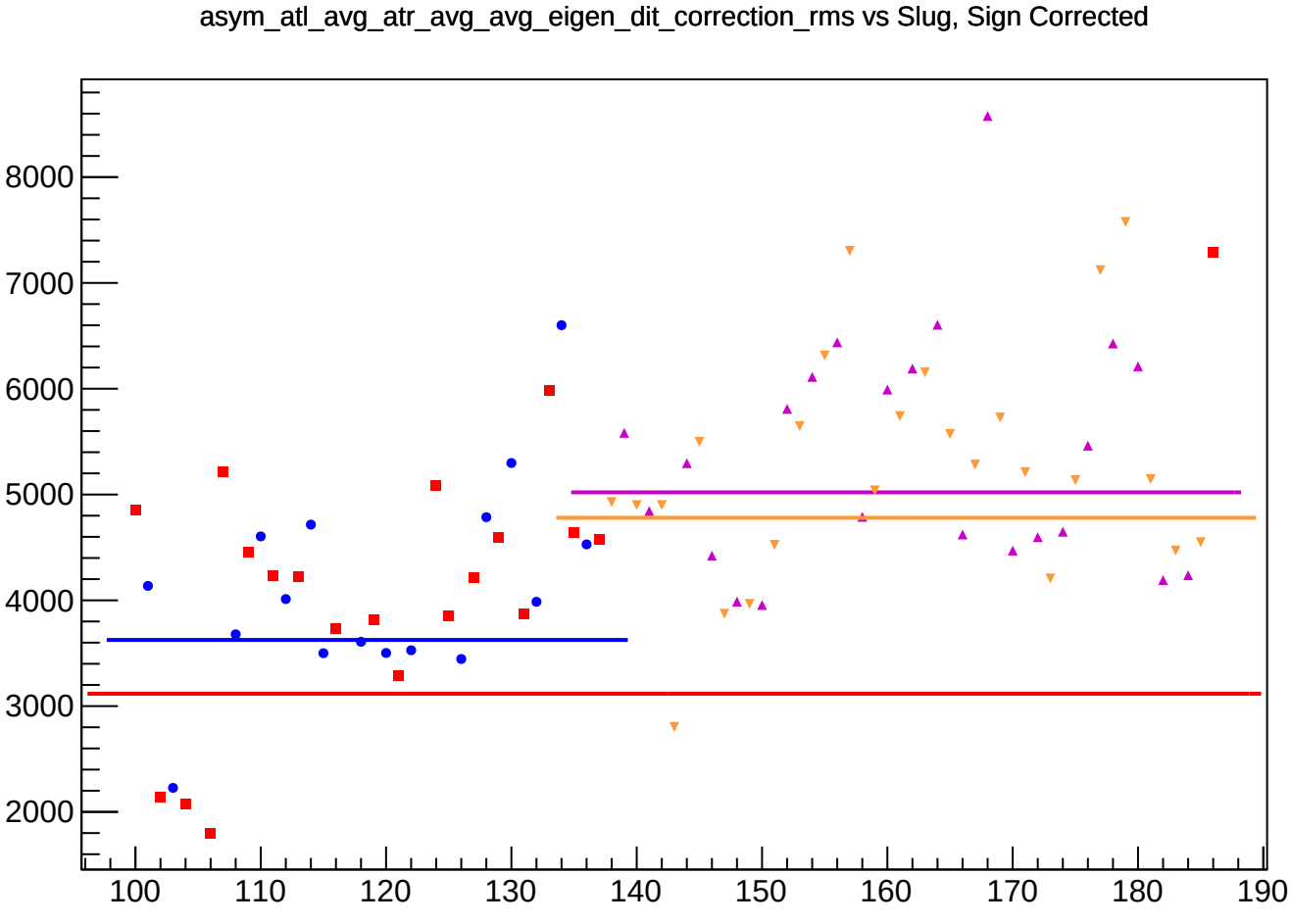
180
190
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: 52.098+/-1195.832 χ²/NDF: 22.3/19
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -392.914+/-910.497 χ²/NDF: 37.2/35
In: -581.622+/-910.927 χ²/NDF:28.2/38
Out: -291.917+/-818.343 χ²/NDF:52.0/44
All: -421.303+/-608.765 χ²/NDF: 80.2/83



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

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

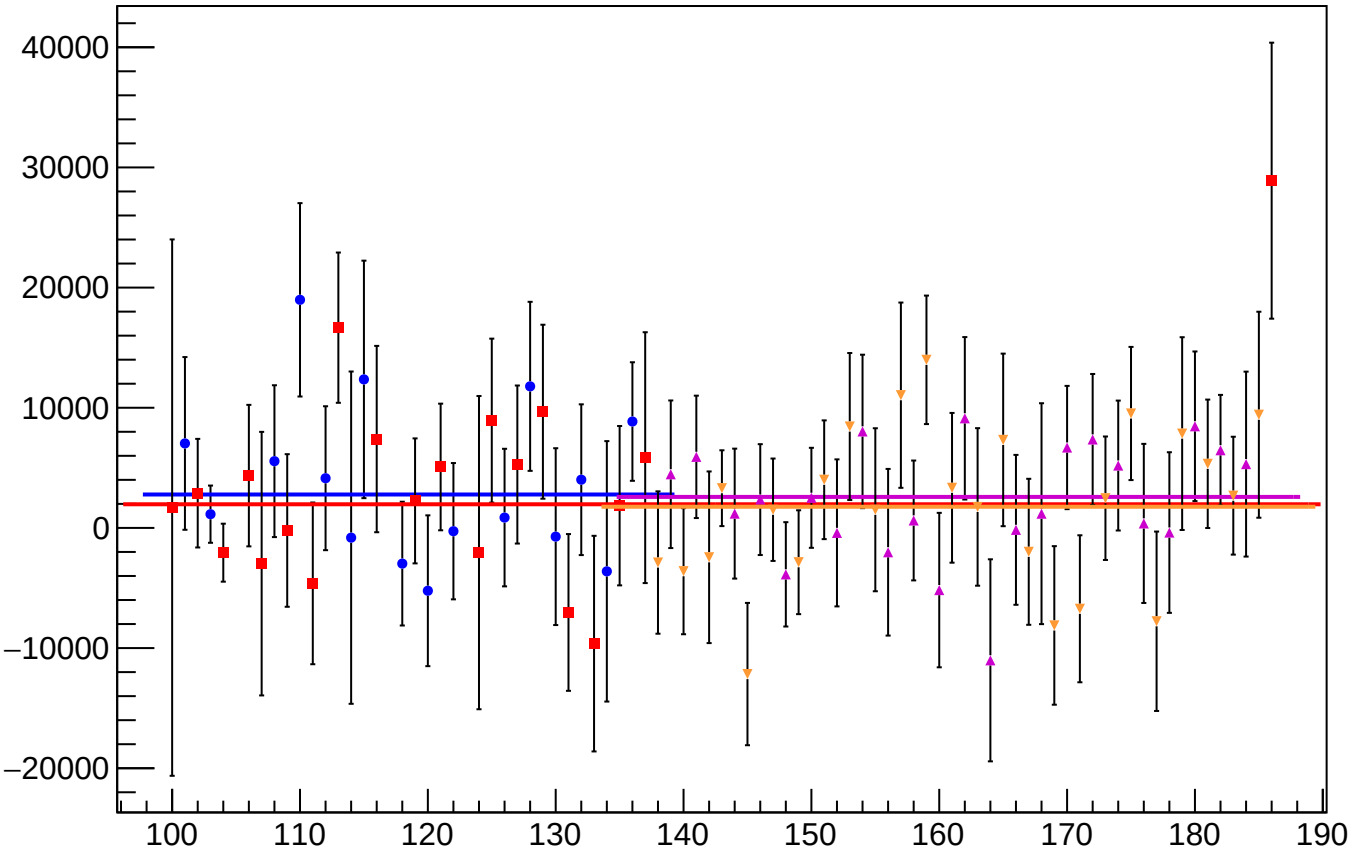
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3330.724+/-0.644 χ^2/NDF: 3207120.3/35

In: 4433.693+/-0.644 χ^2/NDF:3313202.6/38

Out: 4001.428+/-0.579 χ^2/NDF:6173970.4/44

All: 4194.483+/-0.430 χ^2/NDF: 9736397.3/83



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

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

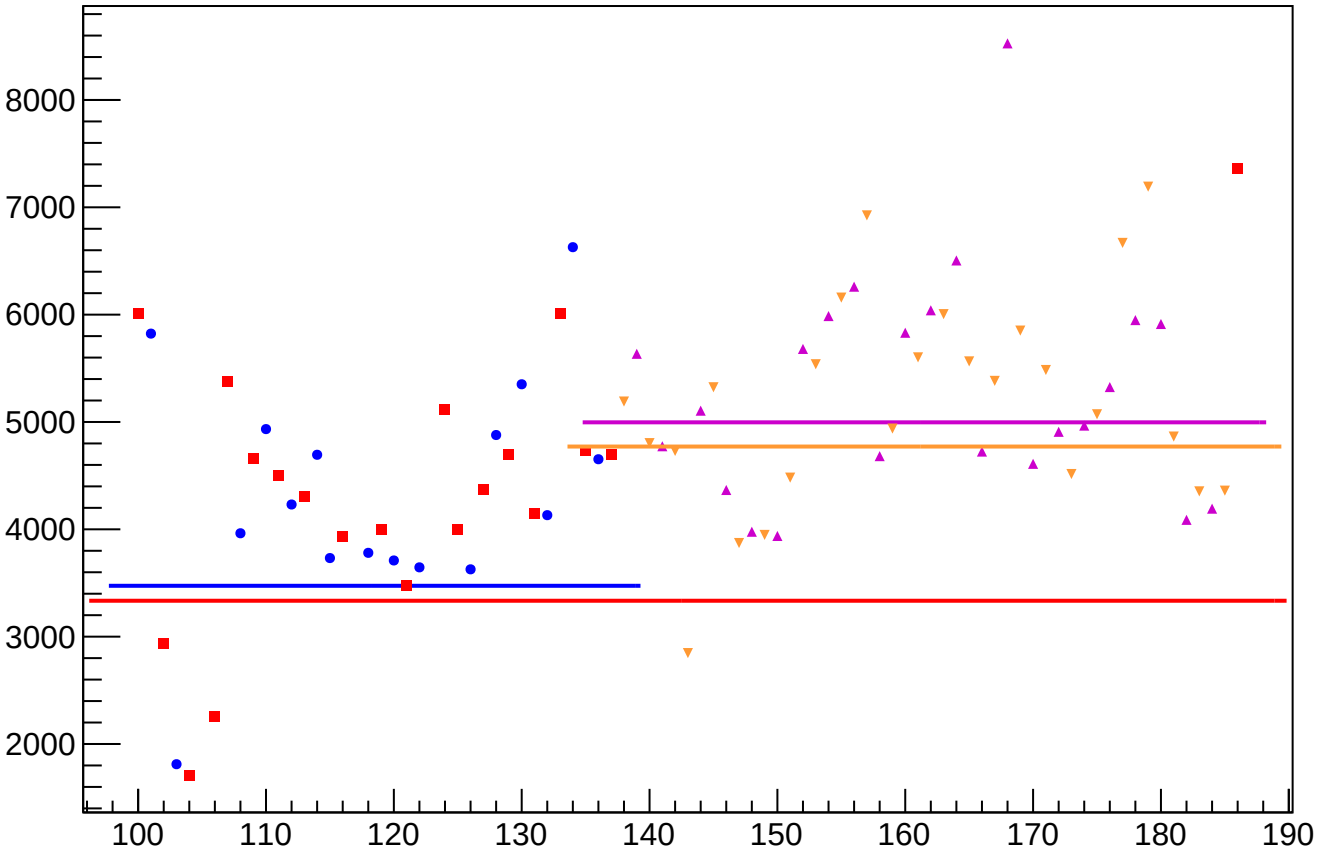
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2355.870+/-960.042 χ^2/NDF: 35.7/35

In: 2664.848+/-903.139 χ^2/NDF:26.4/38

Out: 1846.925+/-854.492 χ^2/NDF:50.1/44

All: 2233.266+/-620.703 χ^2/NDF: 76.9/83



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

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

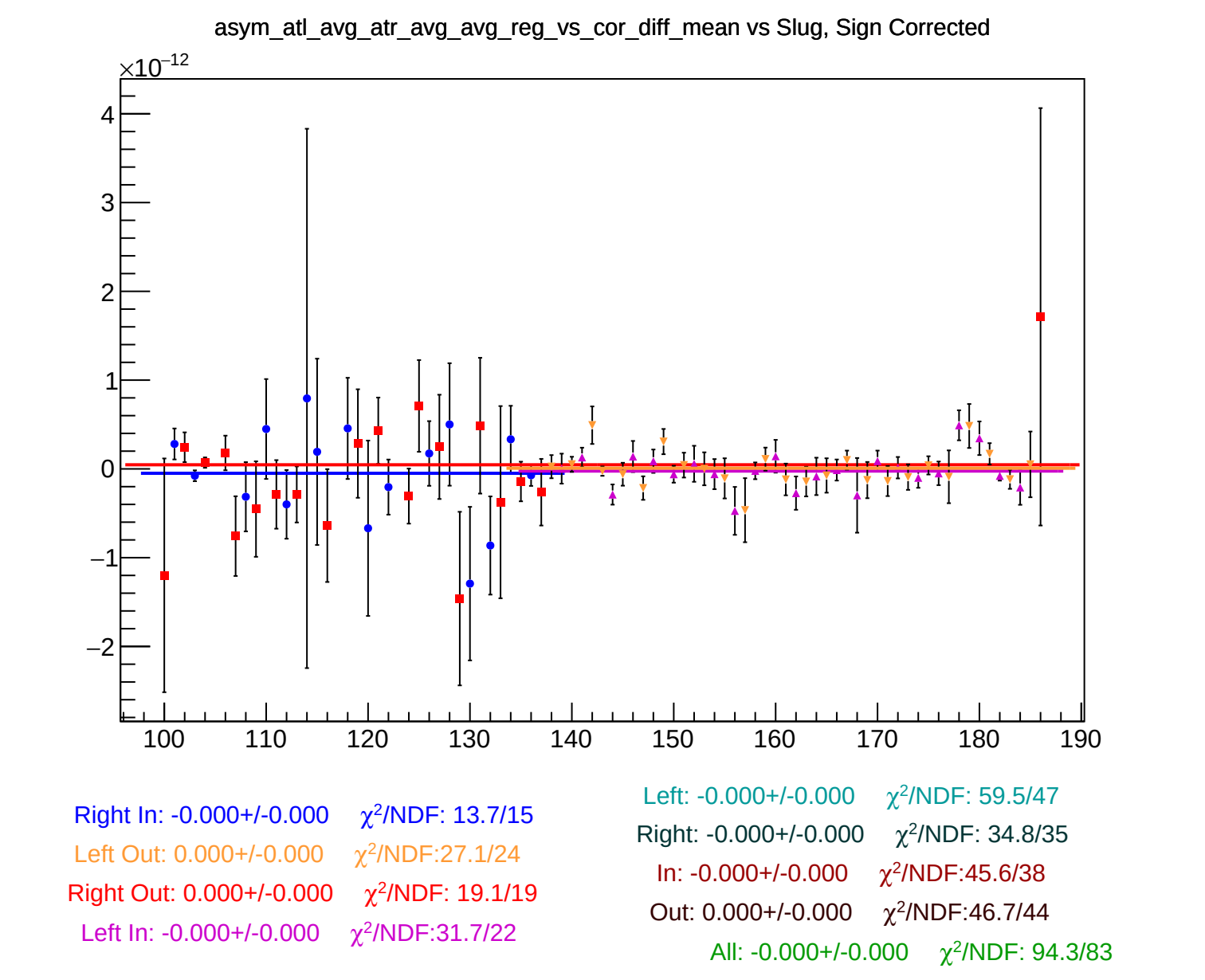
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

Right: 3400.150+/-0.674 χ^2/NDF: 3979298.0/35

In: 4353.316+/-0.639 χ^2/NDF:4327243.6/38

Out: 4166.959+/-0.601 χ^2/NDF:5305102.1/44

All: 4254.457+/-0.438 χ^2/NDF: 9677519.5/83


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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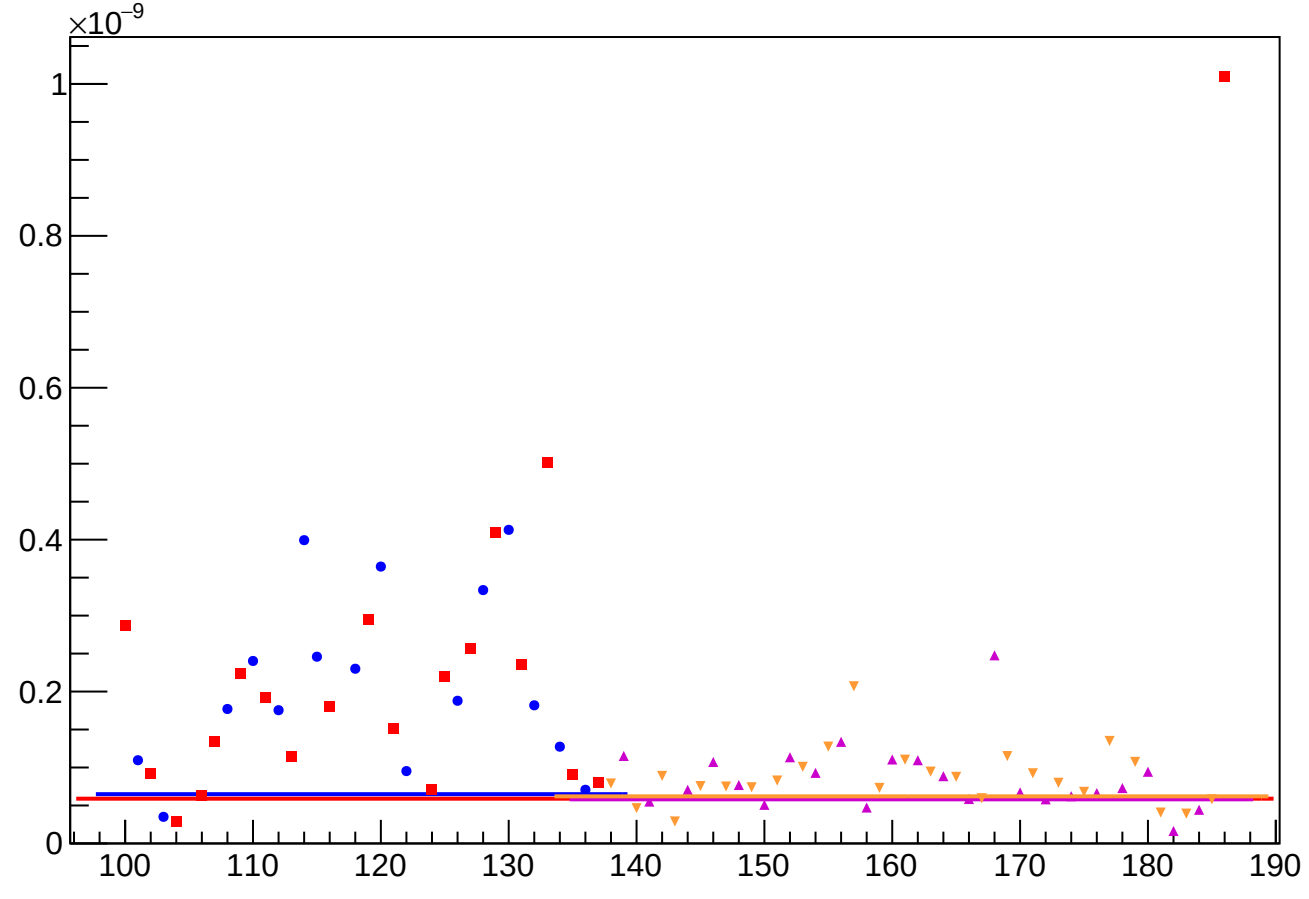
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/19
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: -0.000+/-0.000 χ²/NDF: 34.8/35
In: -0.000+/-0.000 χ²/NDF:45.6/38
Out: 0.000+/-0.000 χ²/NDF:46.7/44
All: -0.000+/-0.000 χ²/NDF: 94.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

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

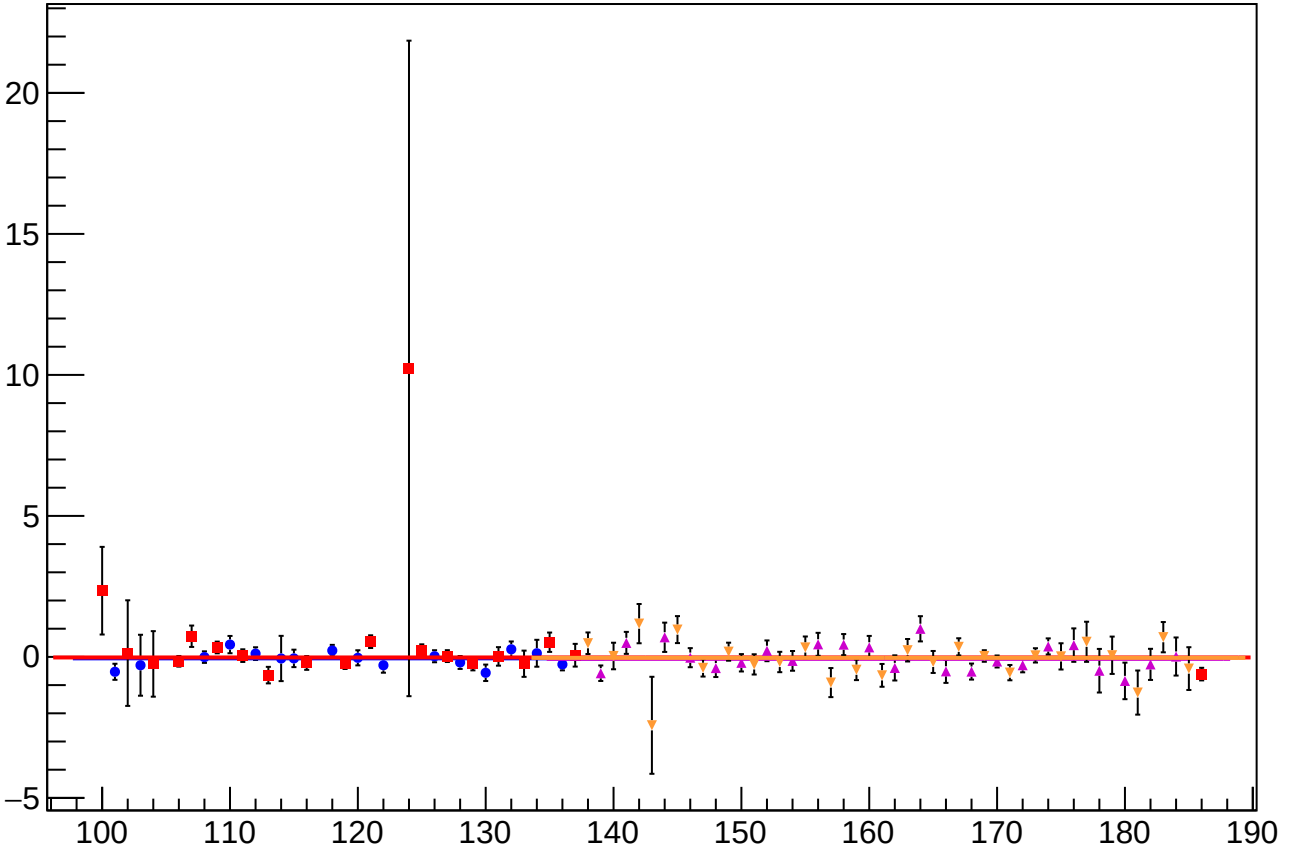
Right: 0.000+/-0.000 χ^2/NDF: 5790933.8/35

In: 0.000+/-0.000 χ^2/NDF:5589715.4/38

Out: 0.000+/-0.000 χ^2/NDF:5632597.0/44

All: 0.000+/-0.000 χ^2/NDF: 11227702.9/83

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-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

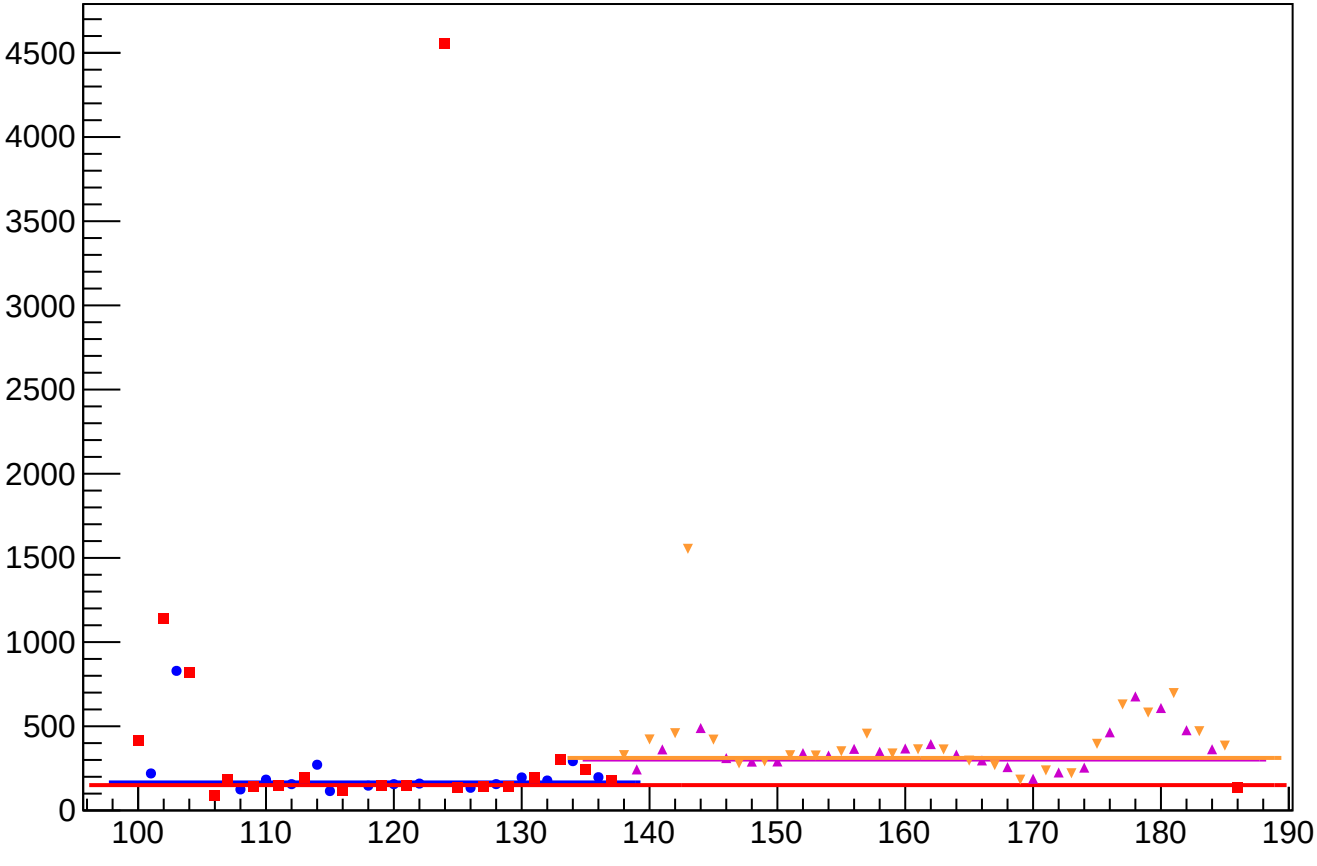
Right: -0.034+/-0.045 χ^2/NDF: 50.1/35

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.042+/-0.035 χ^2/NDF: 112.7/83

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 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

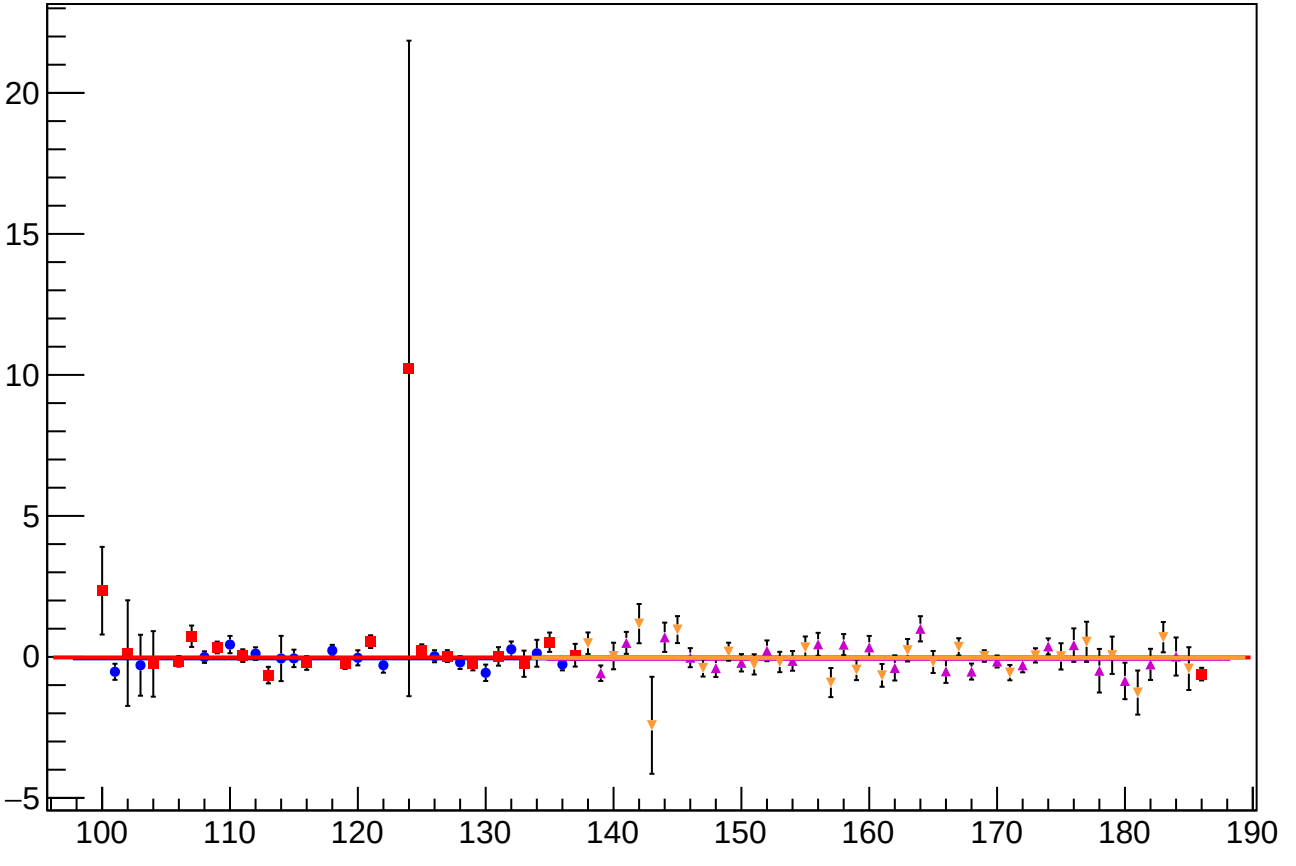
Right: 157.812+/-0.032 χ^2/NDF: 3669211.9/35

In: 226.549+/-0.035 χ^2/NDF:7768710.1/38

Out: 213.797+/-0.034 χ^2/NDF:12066637.2/44

All: 219.936+/-0.024 χ^2/NDF: 19903302.3/83

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-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

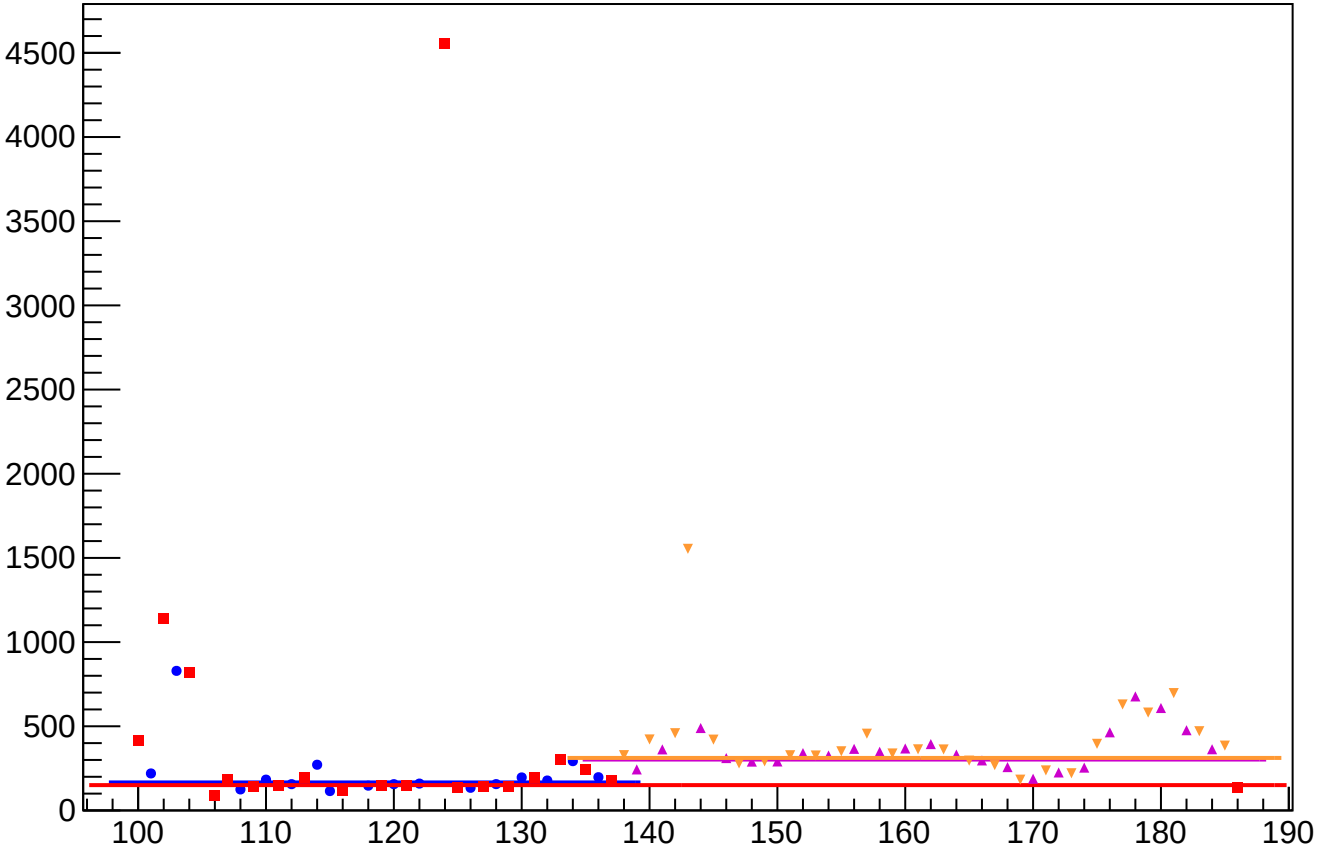
Right: -0.034+/-0.045 χ^2/NDF: 50.1/35

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.042+/-0.035 χ^2/NDF: 112.7/83

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 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

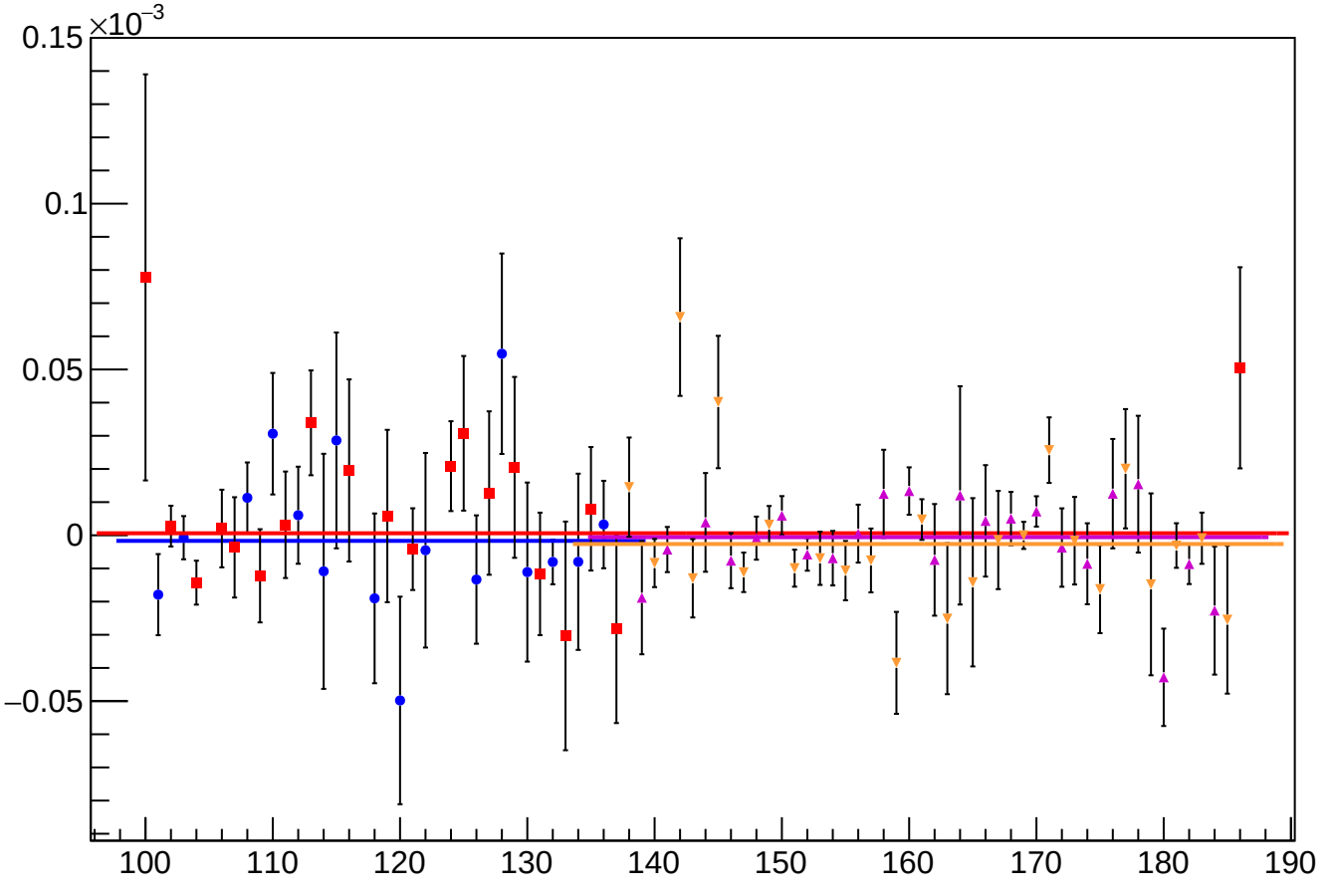
Right: 157.812+/-0.032 χ^2/NDF: 3669211.9/35

In: 226.549+/-0.035 χ^2/NDF:7768710.1/38

Out: 213.797+/-0.034 χ^2/NDF:12066637.2/44

All: 219.936+/-0.024 χ^2/NDF: 19903302.3/83

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

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

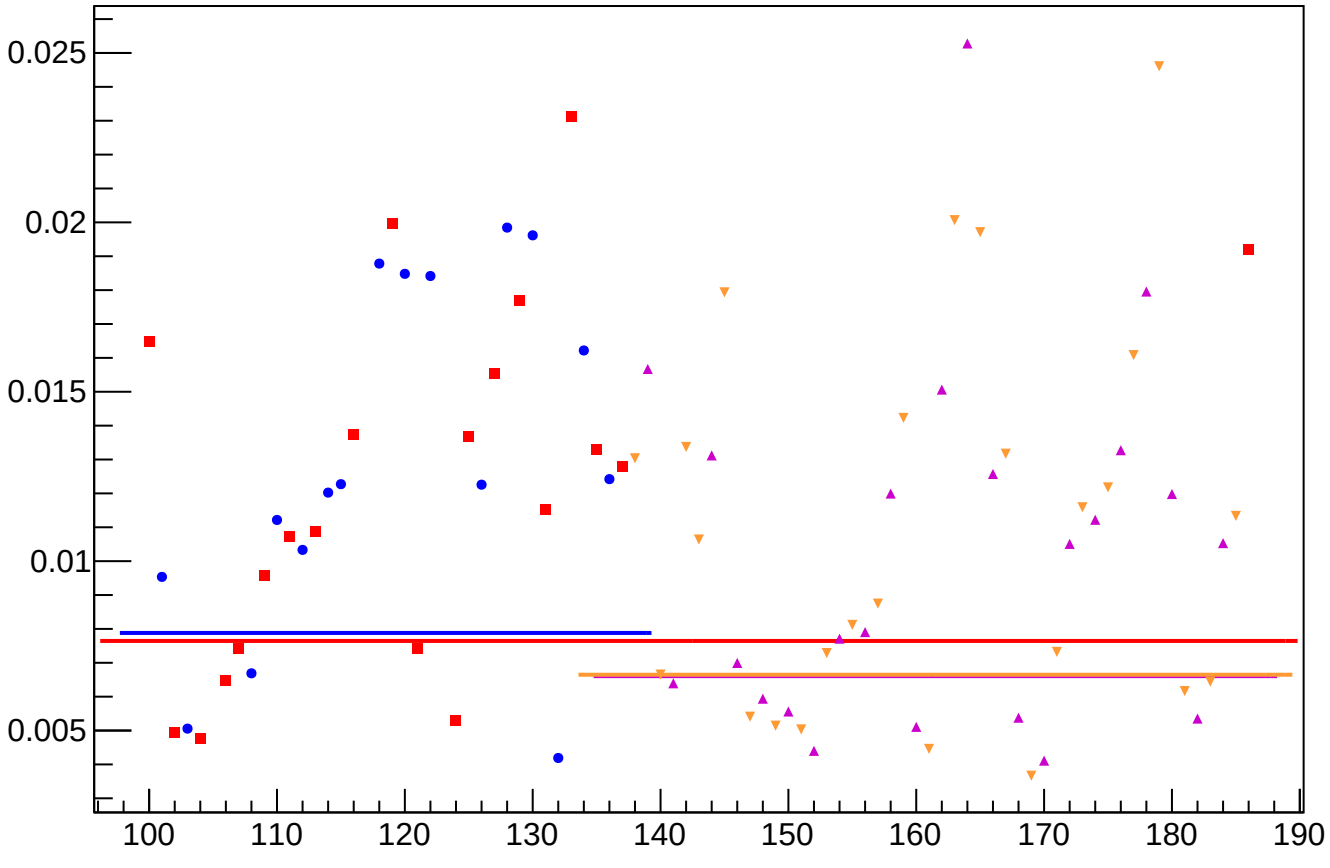
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 38.4/35

In: -0.000+/-0.000 χ^2/NDF:42.4/38

Out: -0.000+/-0.000 χ^2/NDF:65.9/44

All: -0.000+/-0.000 χ^2/NDF: 108.5/83



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

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

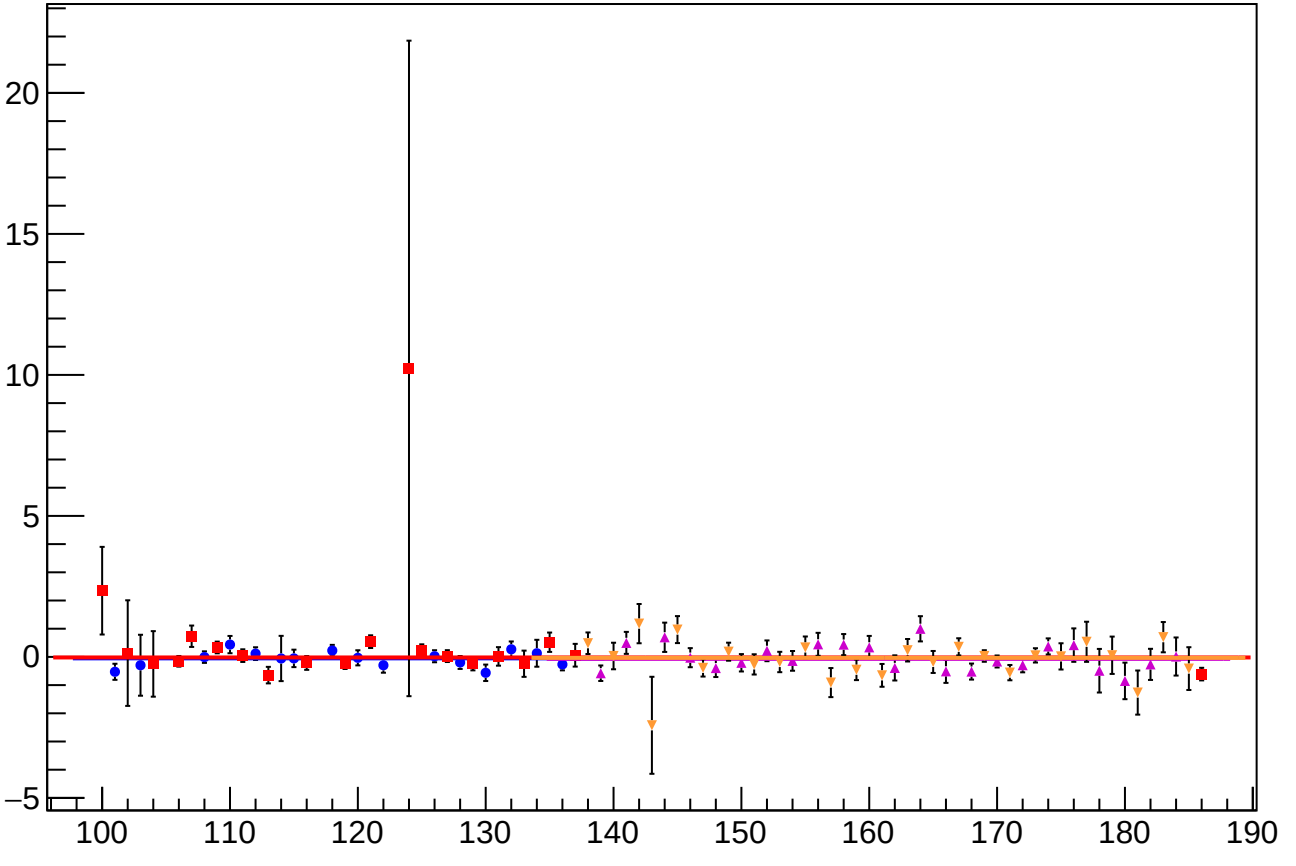
Right: 0.008+/-0.000 χ^2/NDF: 6575983.6/35

In: 0.007+/-0.000 χ^2/NDF:9378579.3/38

Out: 0.007+/-0.000 χ^2/NDF:10939018.5/44

All: 0.007+/-0.000 χ^2/NDF: 20317606.0/83

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.035+/-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

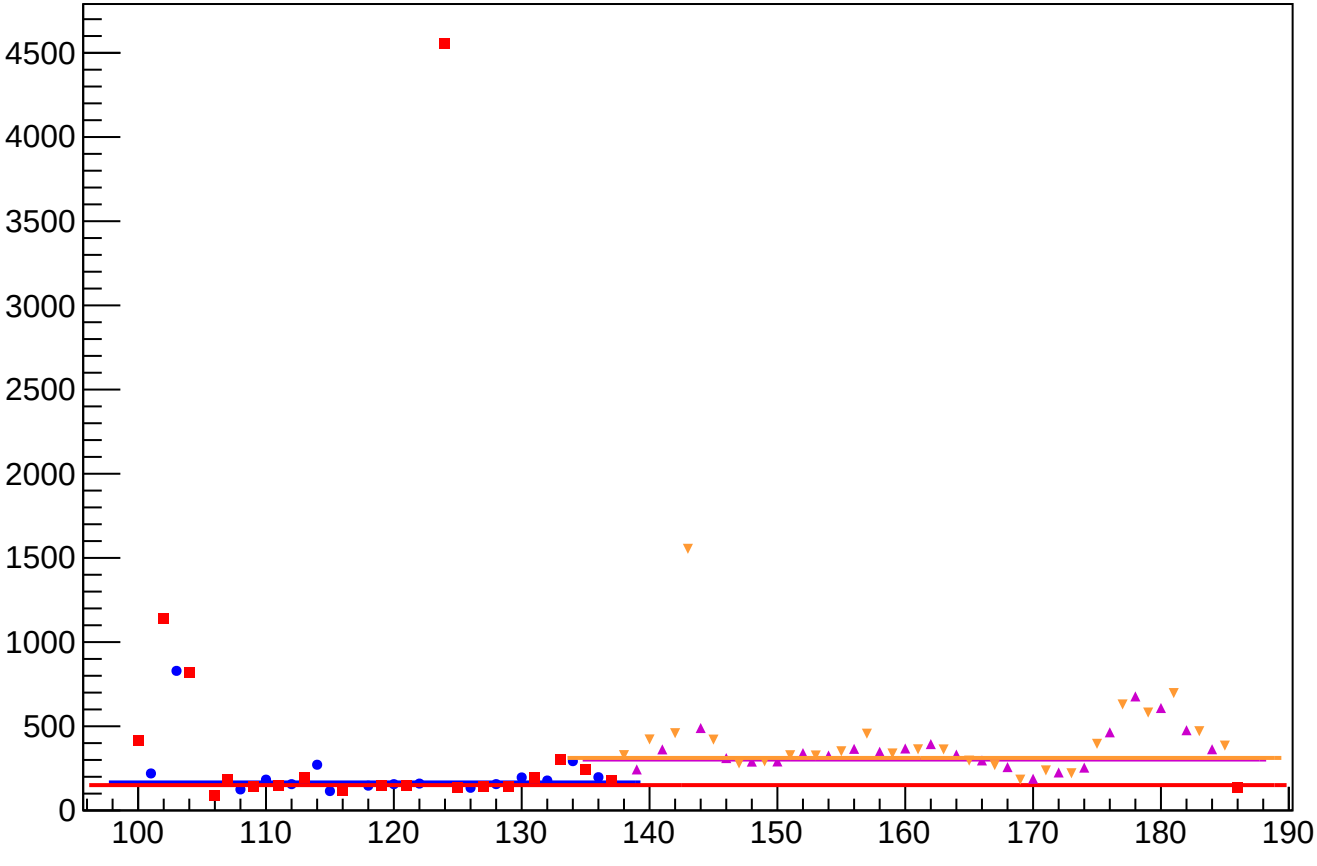
Right: -0.034+/-0.045 χ^2/NDF: 50.1/35

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.042+/-0.035 χ^2/NDF: 112.7/83

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 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

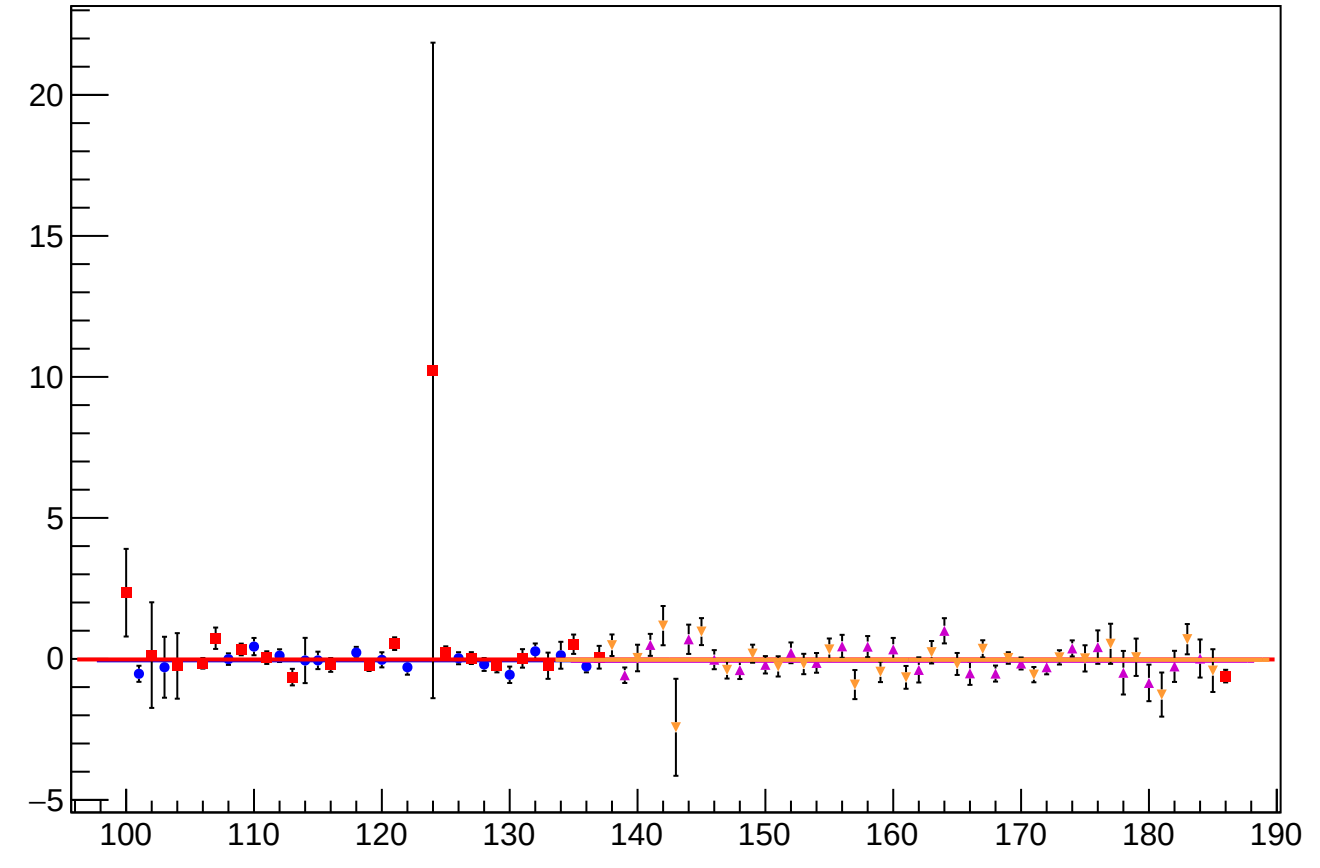
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 157.810+/-0.032 χ^2/NDF: 3669234.8/35

In: 226.549+/-0.035 χ^2/NDF:7768945.0/38

Out: 213.795+/-0.034 χ^2/NDF:12067048.9/44

All: 219.934+/-0.024 χ^2/NDF: 19903970.2/83



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

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

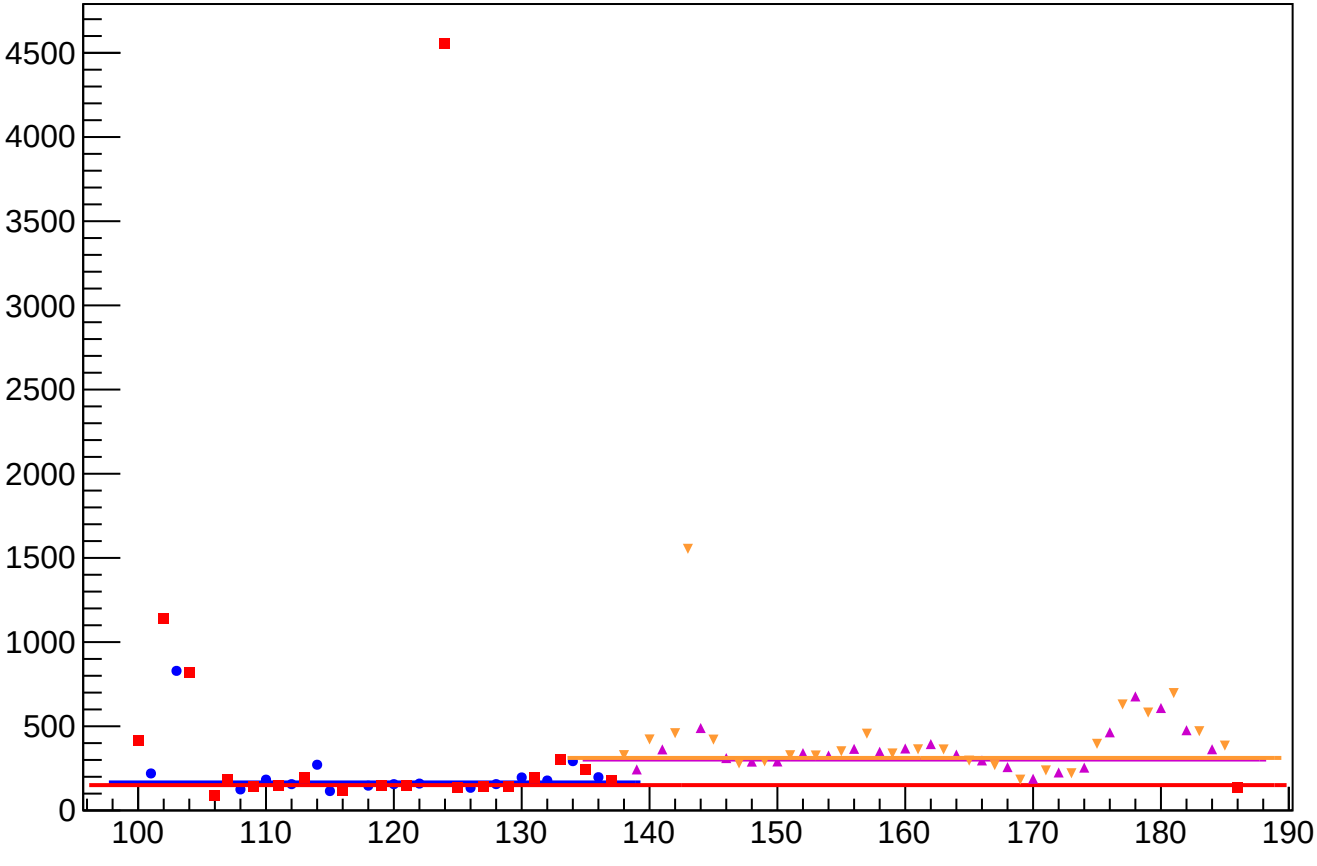
Right: -0.034+/-0.045 χ^2/NDF: 50.1/35

In: -0.059+/-0.050 χ^2/NDF:44.8/38

Out: -0.025+/-0.048 χ^2/NDF:67.6/44

All: -0.042+/-0.035 χ^2/NDF: 112.7/83

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 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

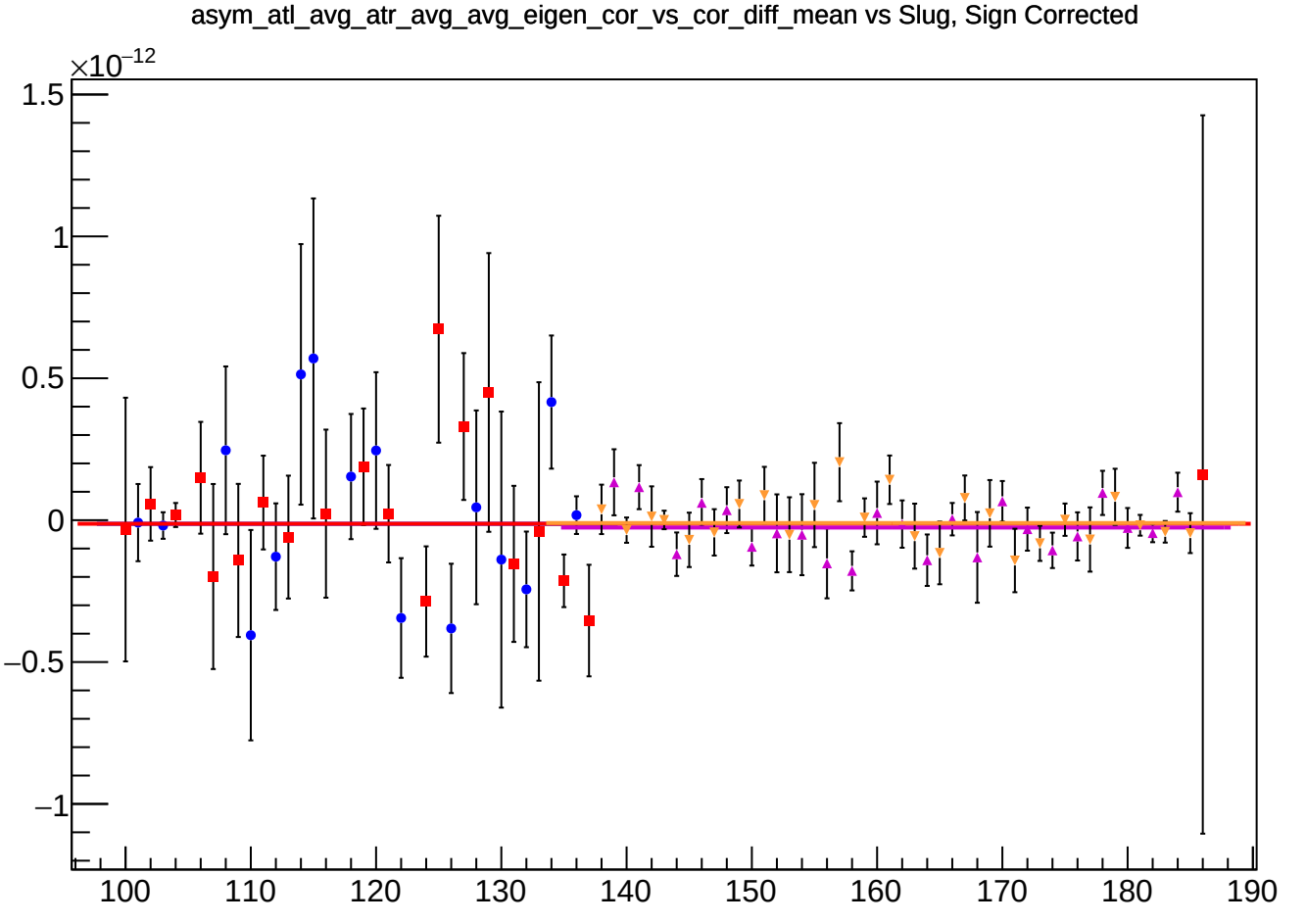
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 157.810+/-0.032 χ^2/NDF: 3669234.8/35

In: 226.549+/-0.035 χ^2/NDF:7768945.0/38

Out: 213.795+/-0.034 χ^2/NDF:12067048.9/44

All: 219.934+/-0.024 χ^2/NDF: 19903970.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

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

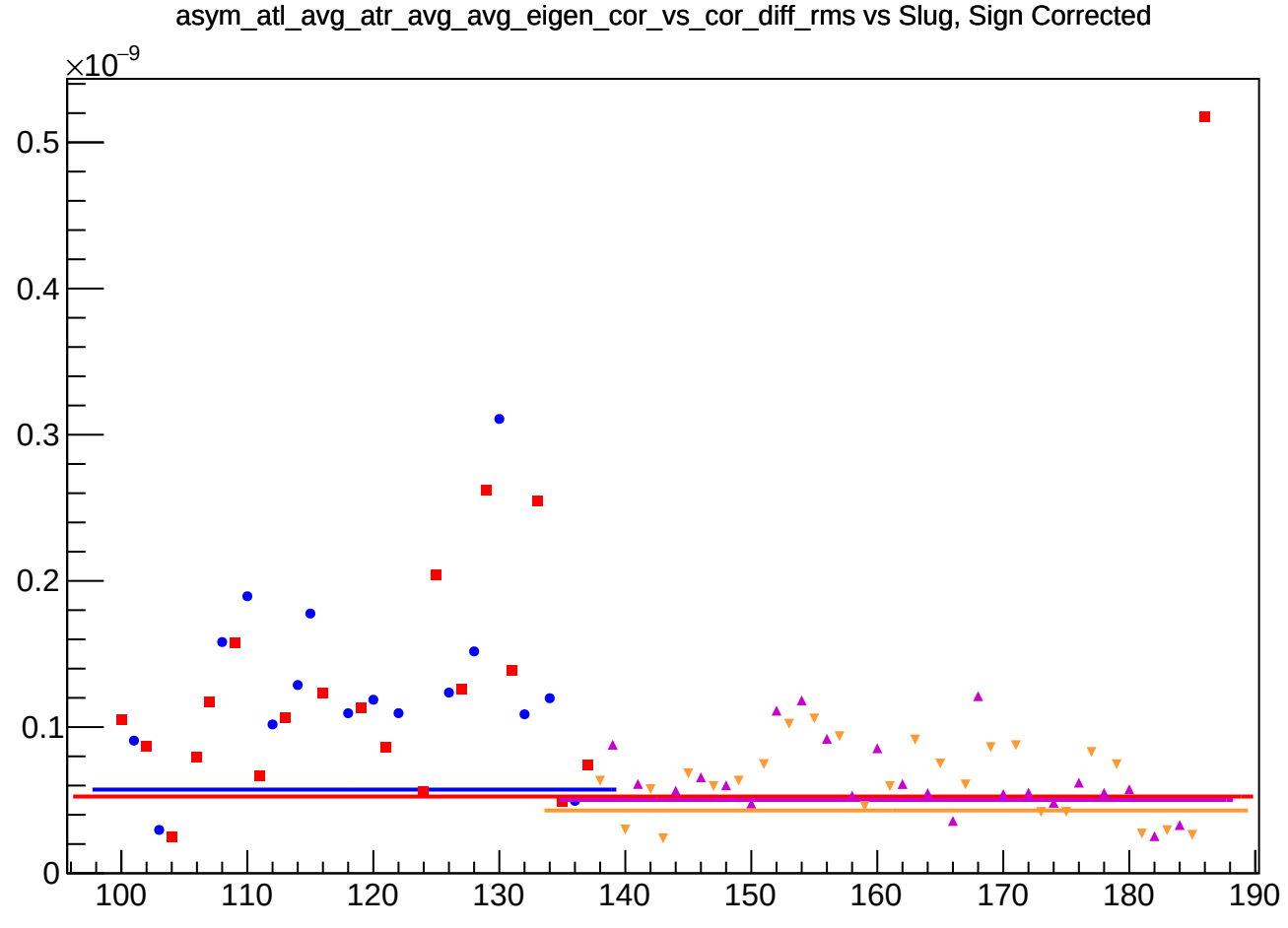
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

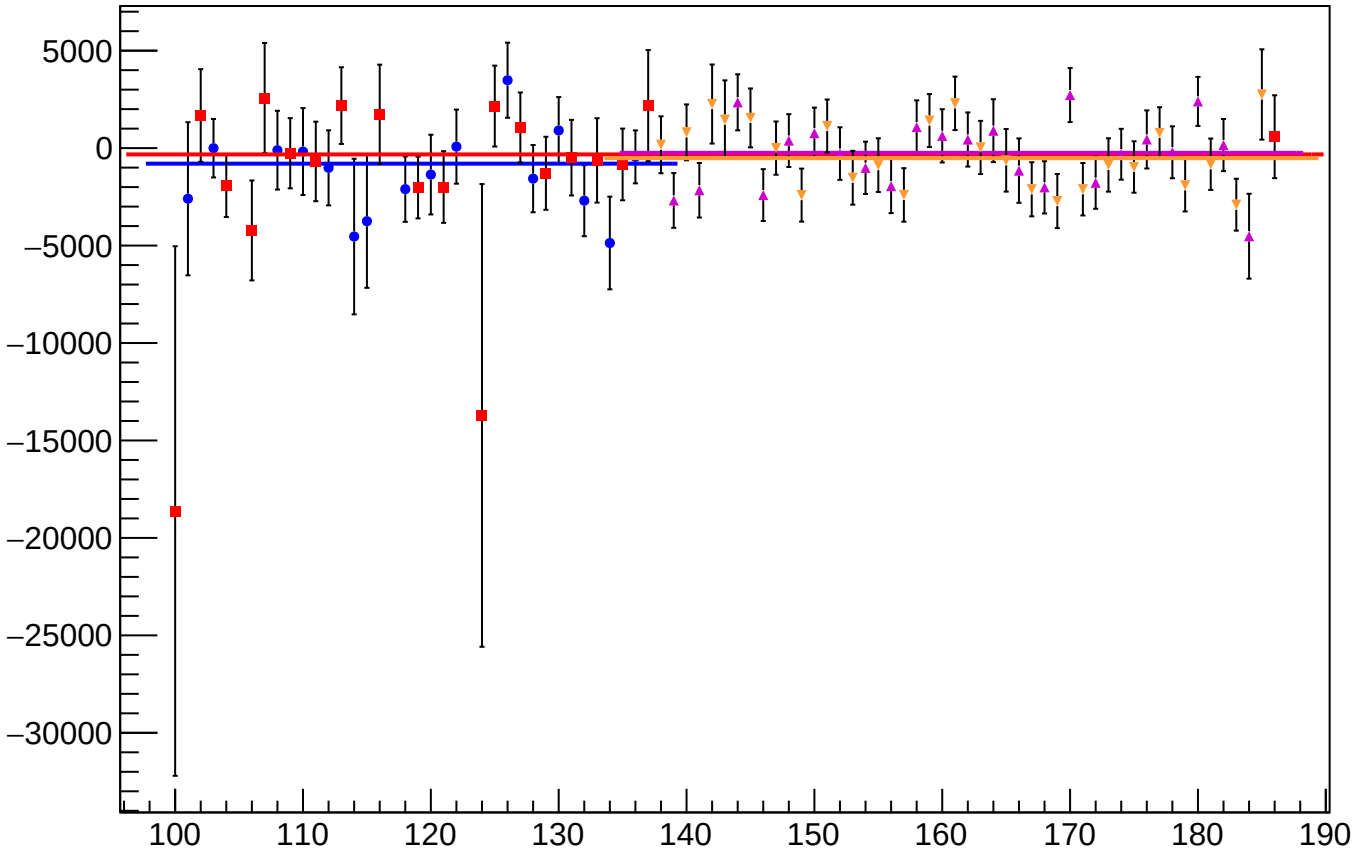
Right: -0.000+/-0.000 χ^2/NDF: 35.0/35

In: -0.000+/-0.000 χ^2/NDF:43.9/38

Out: -0.000+/-0.000 χ^2/NDF:35.1/44

All: -0.000+/-0.000 χ^2/NDF: 79.5/83


asym_atl_avg_atr_avg_avg_eigen_cor_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: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 3558305.9/19
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
Left: 0.000+/-0.000 χ²/NDF: 8935509.5/47
Right: 0.000+/-0.000 χ²/NDF: 6563275.0/35
In: 0.000+/-0.000 χ²/NDF:6671755.0/38
Out: 0.000+/-0.000 χ²/NDF:8788190.2/44
All: 0.000+/-0.000 χ²/NDF: 15741705.8/83



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

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

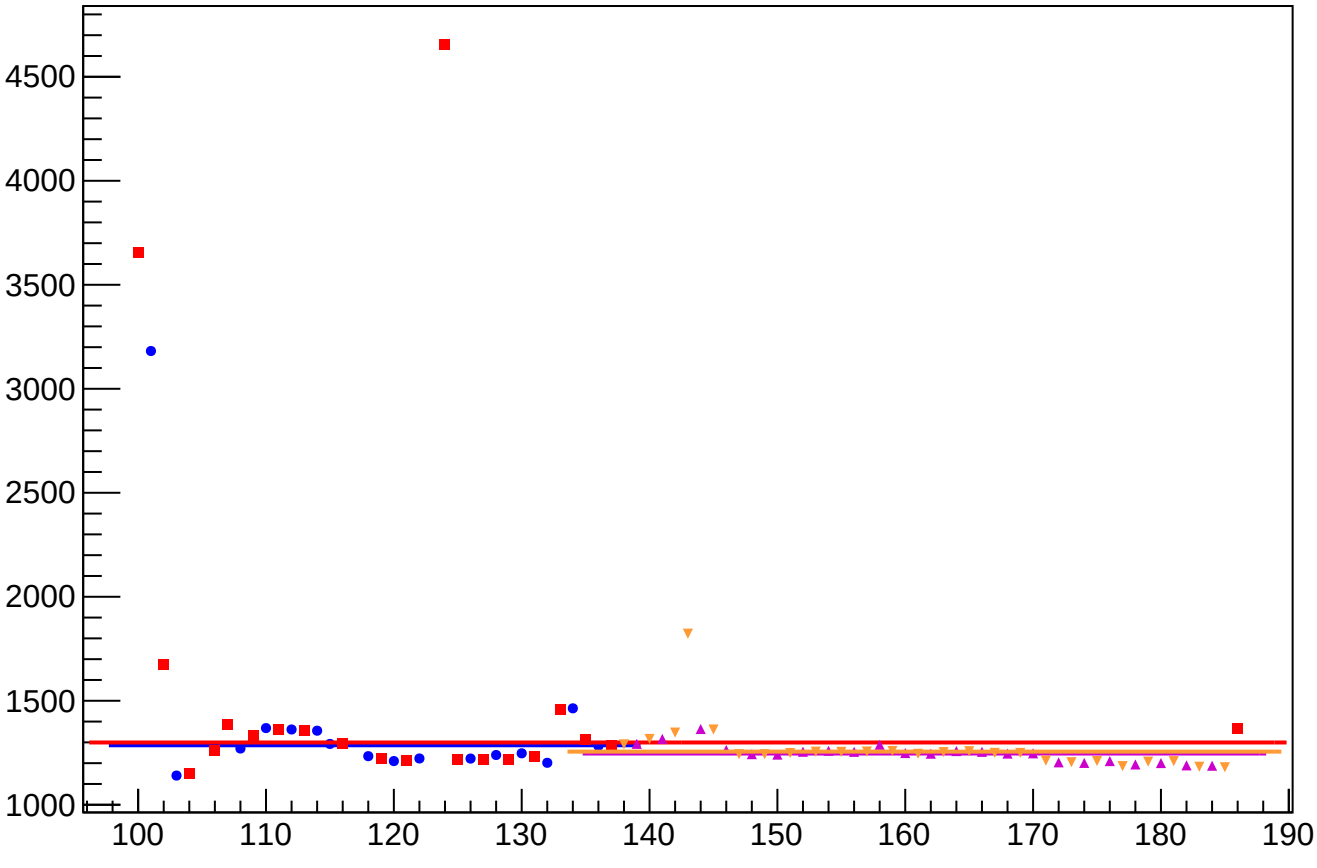
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -553.096+/-339.681 χ^2/NDF: 29.7/35

In: -388.527+/-249.968 χ^2/NDF:46.4/38

Out: -463.219+/-244.789 χ^2/NDF:46.8/44

All: -426.655+/-174.894 χ^2/NDF: 93.3/83



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

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

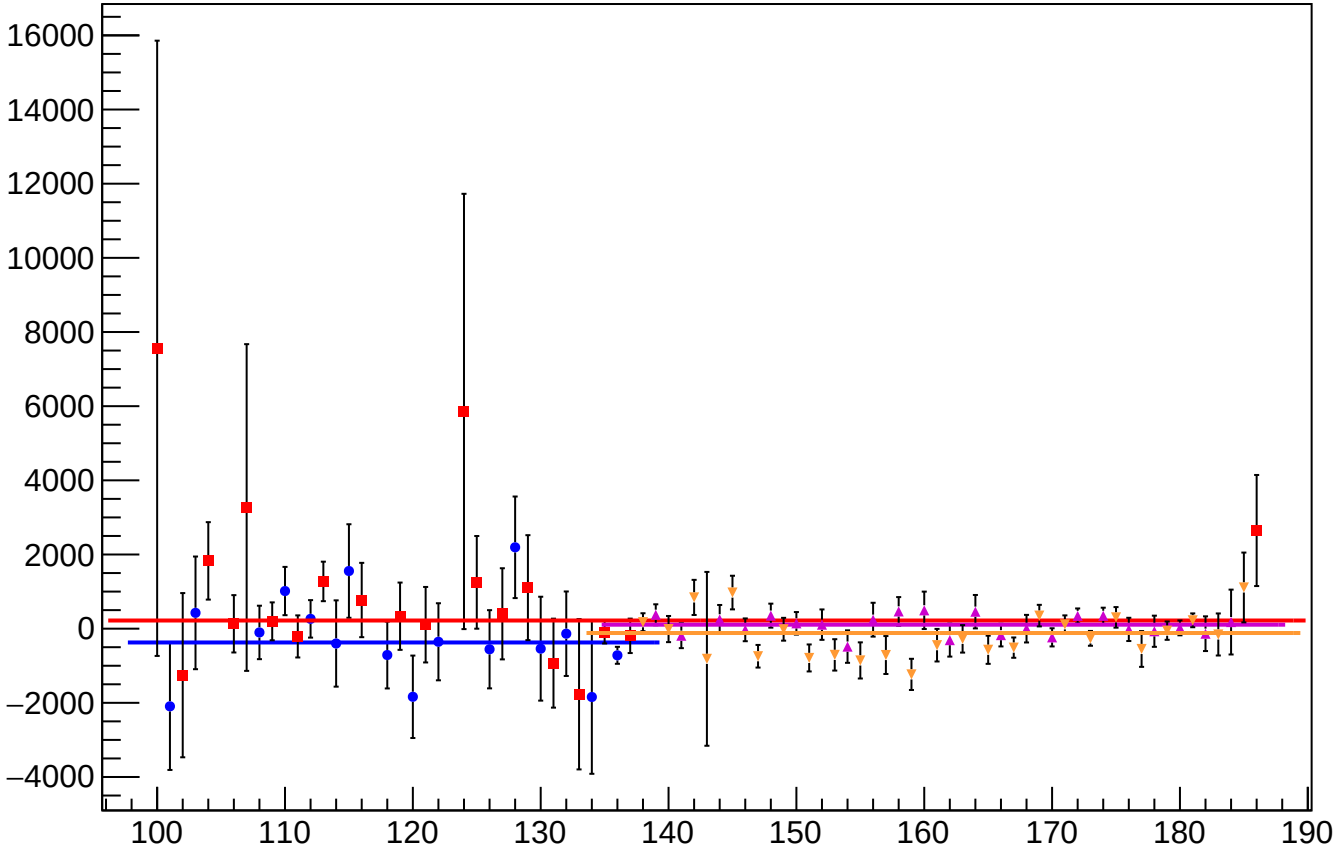
Right: 1292.980+/-0.240 χ^2/NDF: 849104.1/35

In: 1256.806+/-0.177 χ^2/NDF:567782.6/38

Out: 1267.259+/-0.173 χ^2/NDF:545956.0/44

All: 1262.141+/-0.124 χ^2/NDF: 1115523.9/83

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -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

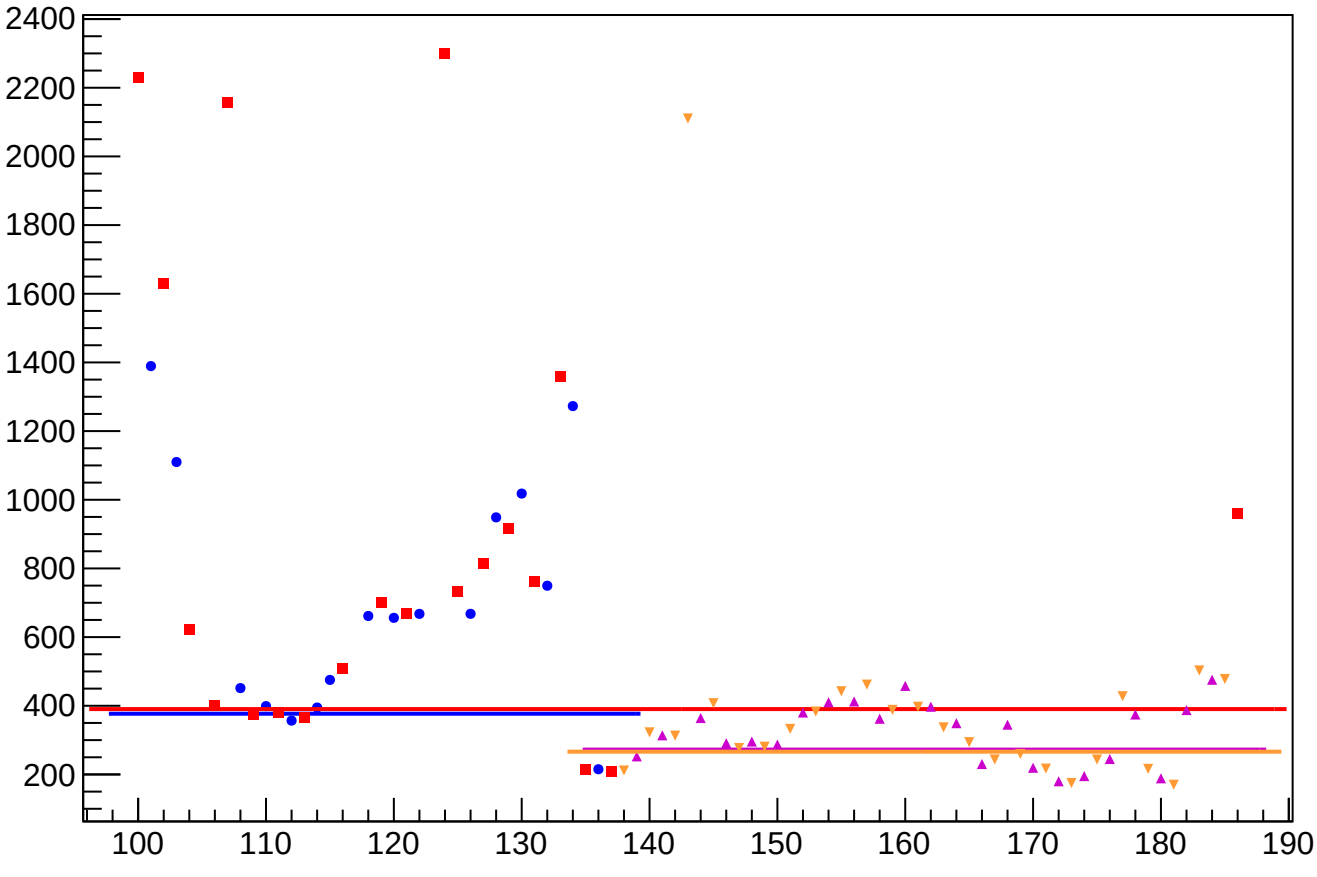
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -76.656+/-119.042 χ^2/NDF: 41.7/35

In: 41.656+/-62.244 χ^2/NDF:38.9/38

Out: -73.296+/-60.692 χ^2/NDF:69.2/44

All: -17.271+/-43.454 χ^2/NDF: 109.9/83



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

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

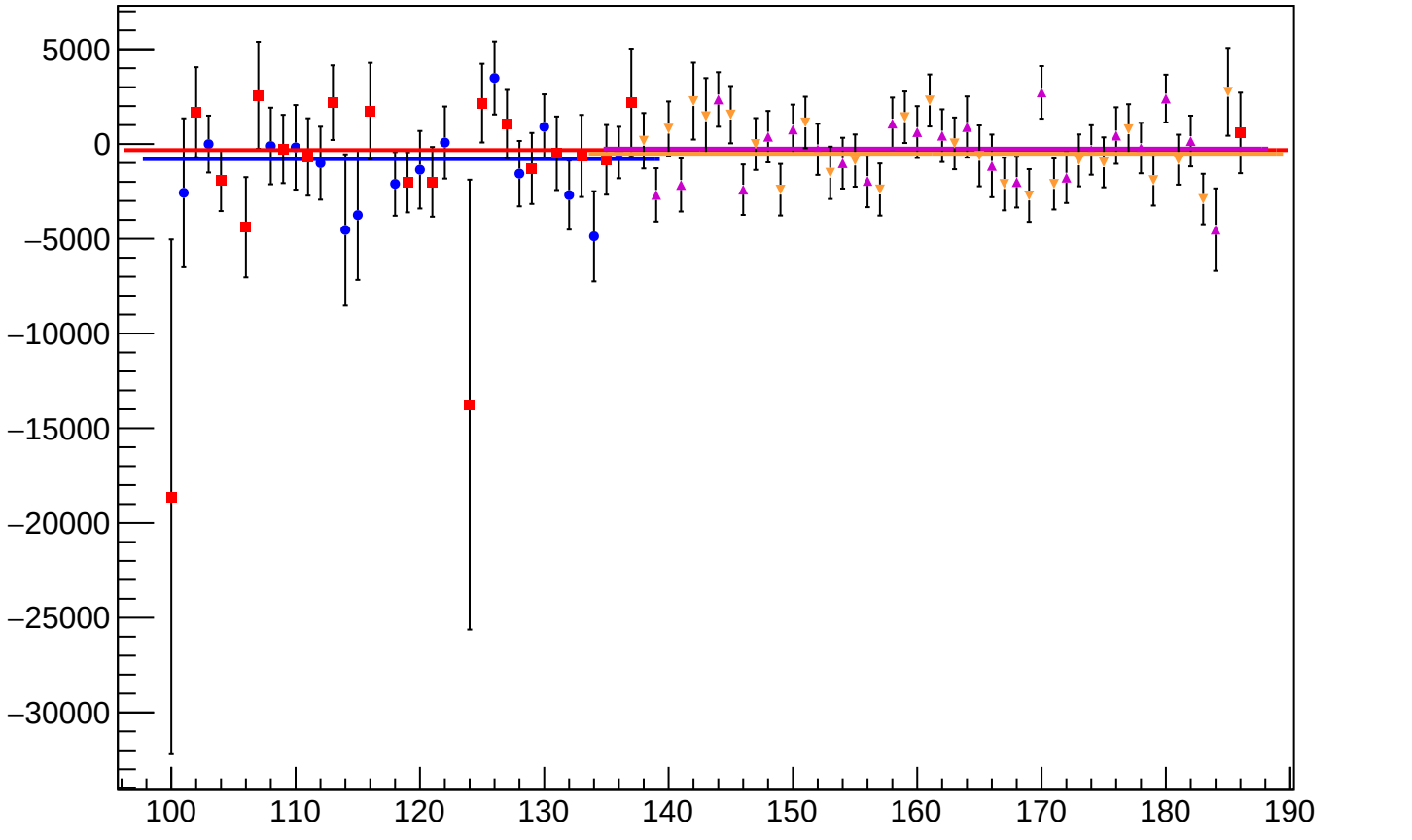
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 383.625+/-0.084 χ^2/NDF: 8544253.7/35

In: 286.681+/-0.044 χ^2/NDF:7744576.1/38

Out: 282.416+/-0.043 χ^2/NDF:9921298.4/44

All: 284.495+/-0.031 χ^2/NDF: 17670688.6/83



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

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

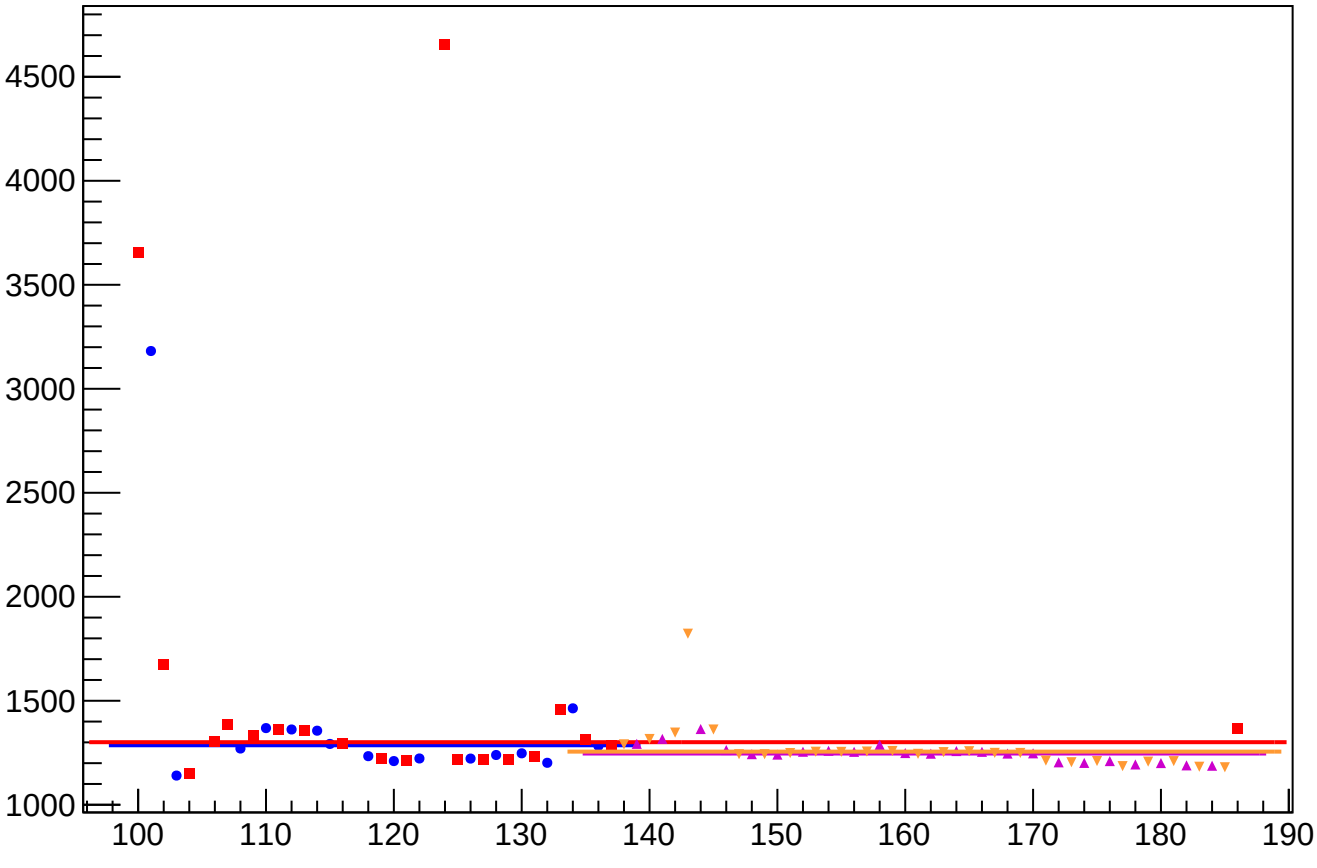
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -551.860+/-339.859 χ^2/NDF: 29.8/35

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -462.590+/-244.855 χ^2/NDF:46.9/44

All: -426.263+/-174.918 χ^2/NDF: 93.4/83



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

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

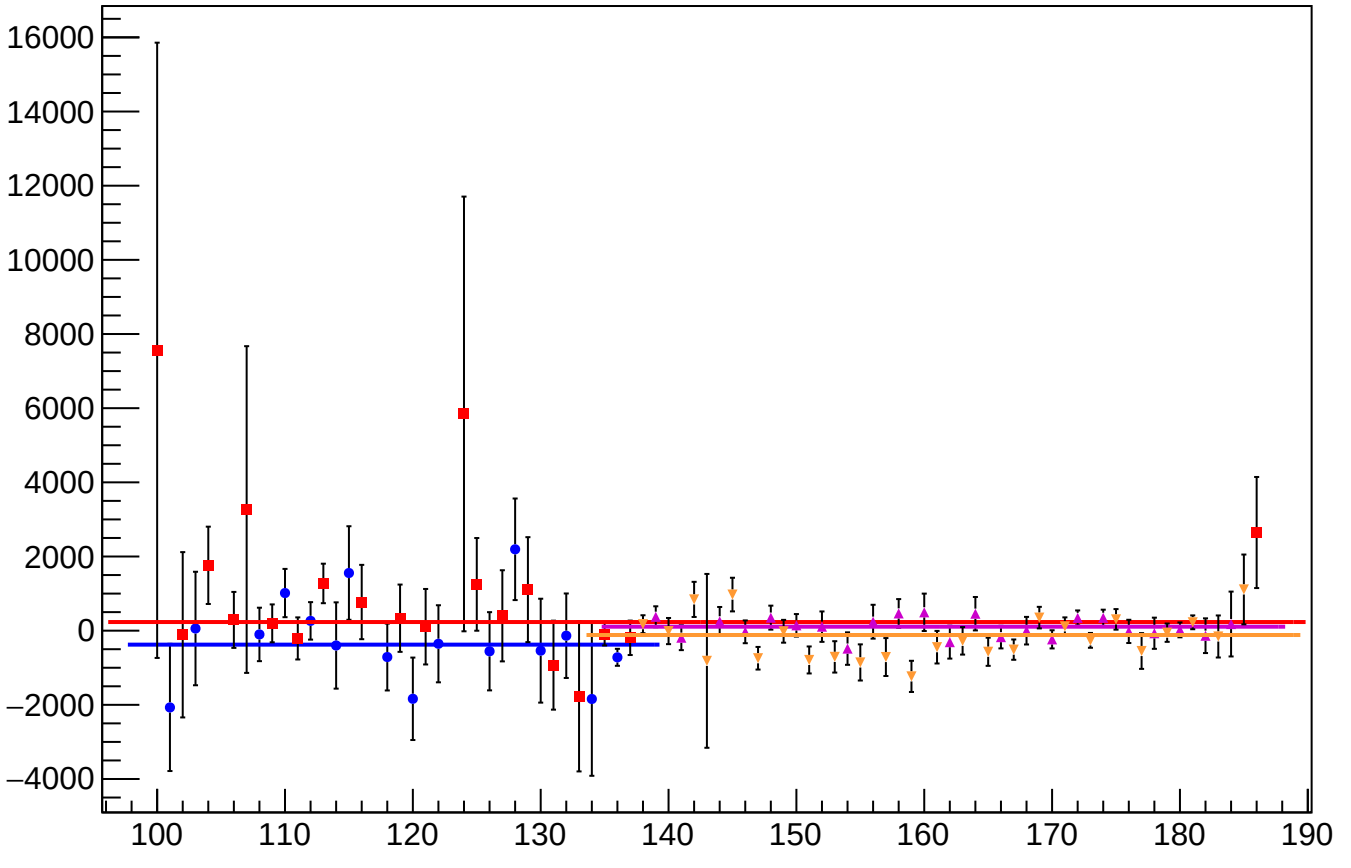
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1293.686+/-0.240 χ^2/NDF: 848859.1/35

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

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

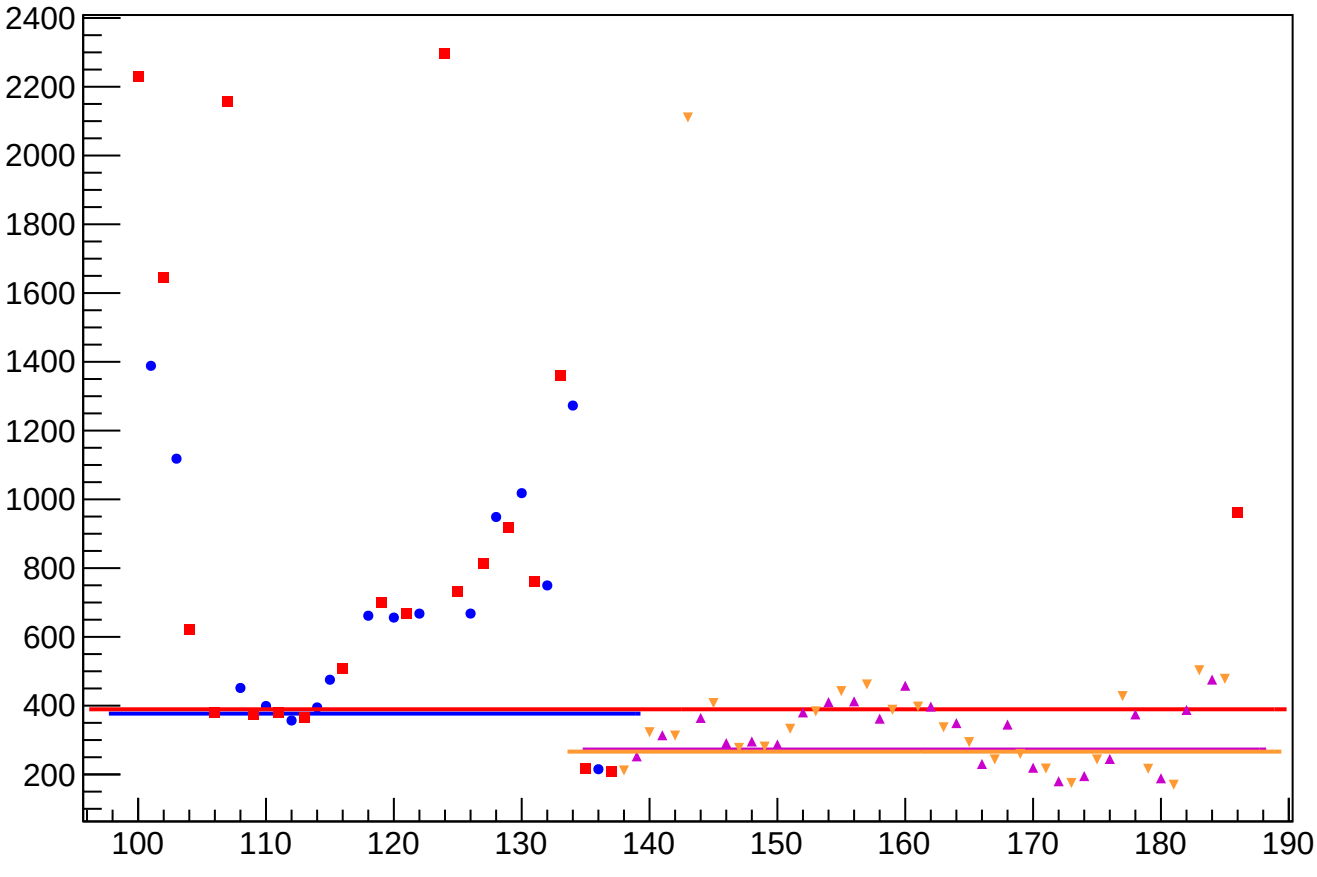
Right: -72.028+/-118.981 χ^2/NDF: 41.2/35

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.602+/-43.452 χ^2/NDF: 109.4/83

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 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

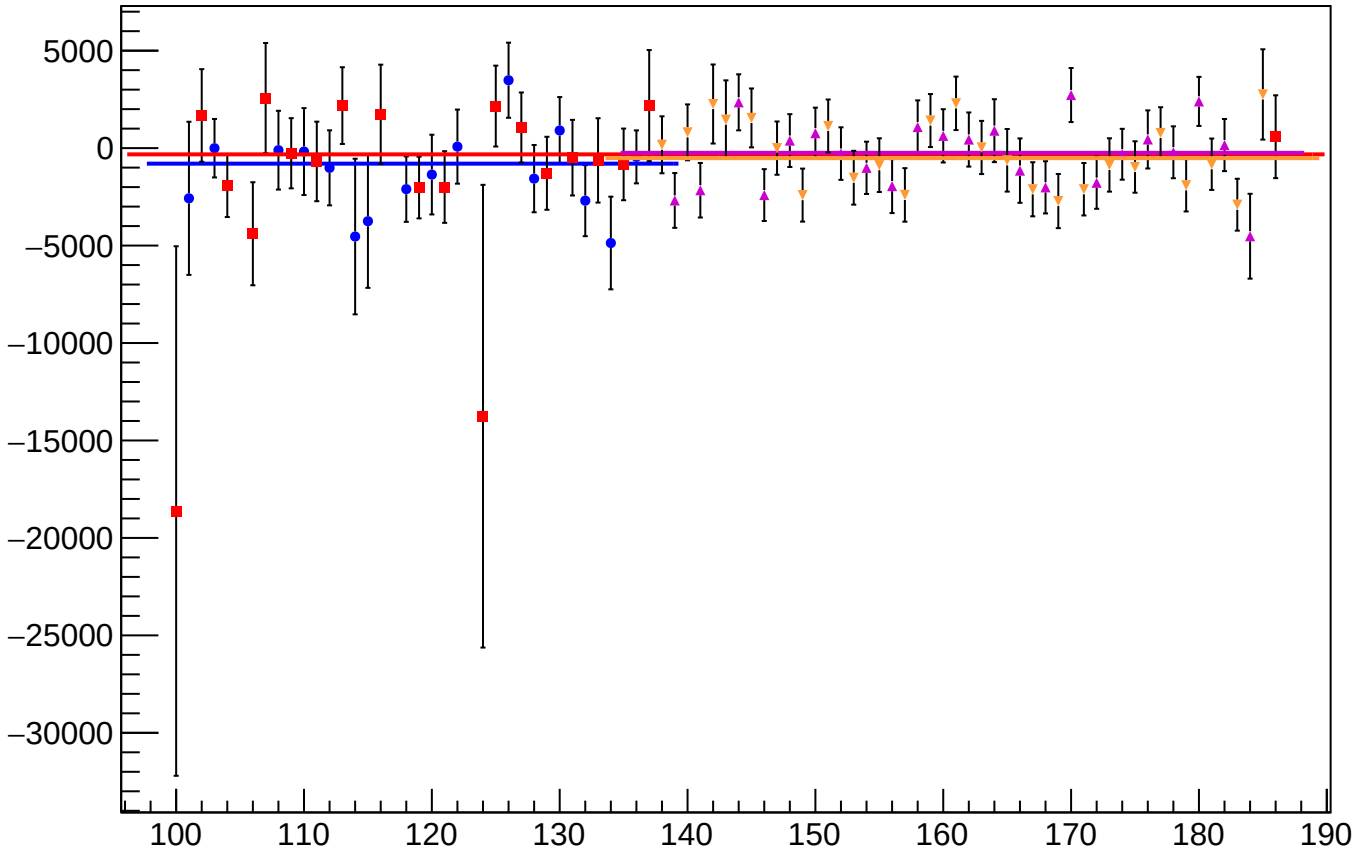
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 383.158+/-0.084 χ^2/NDF: 8552976.2/35

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

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

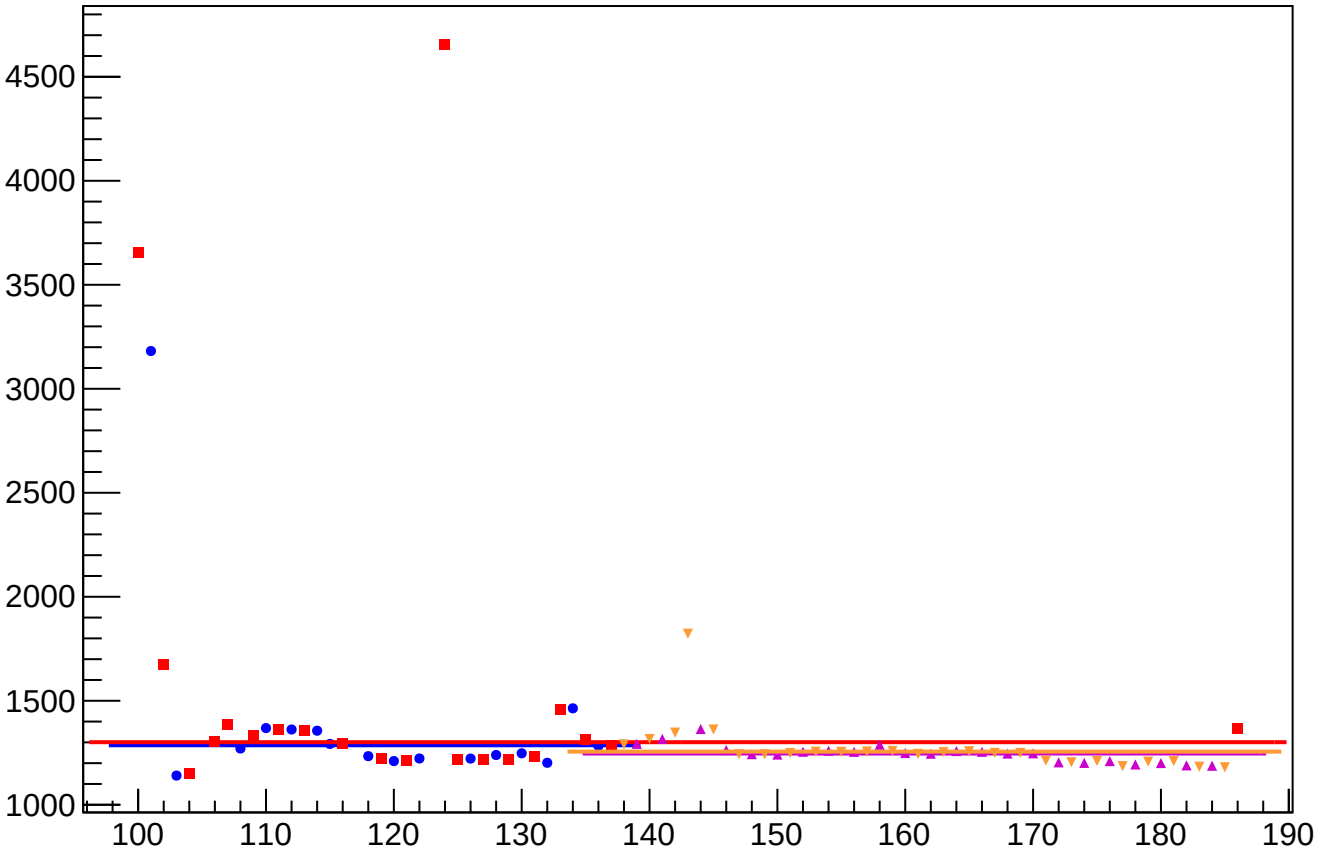
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -551.860+/-339.859 χ^2/NDF: 29.8/35

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -462.590+/-244.855 χ^2/NDF:46.9/44

All: -426.263+/-174.918 χ^2/NDF: 93.4/83



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

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

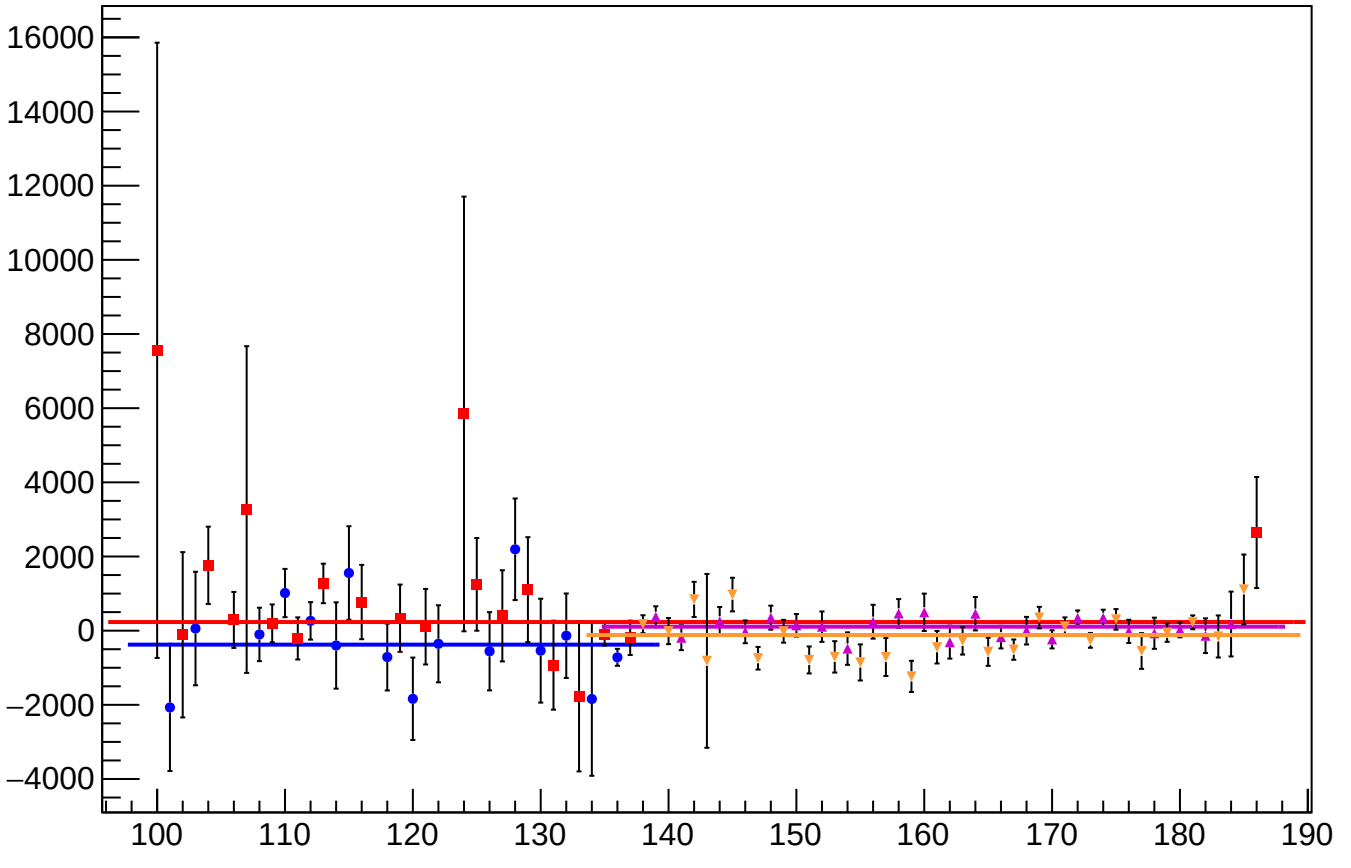
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1293.686+/-0.240 χ^2/NDF: 848859.1/35

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

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

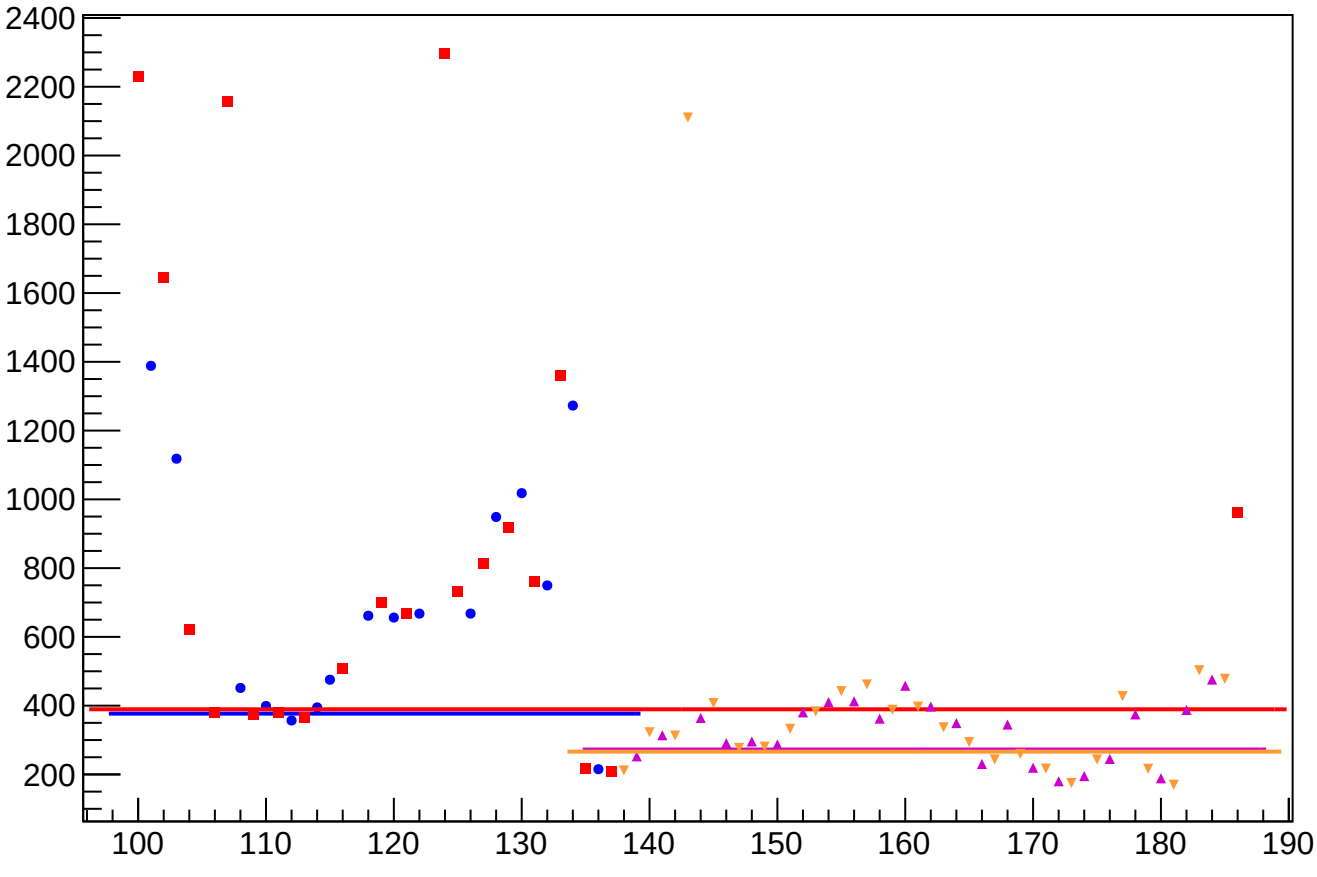
Right: -72.028+/-118.981 χ^2/NDF: 41.2/35

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.602+/-43.452 χ^2/NDF: 109.4/83

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 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

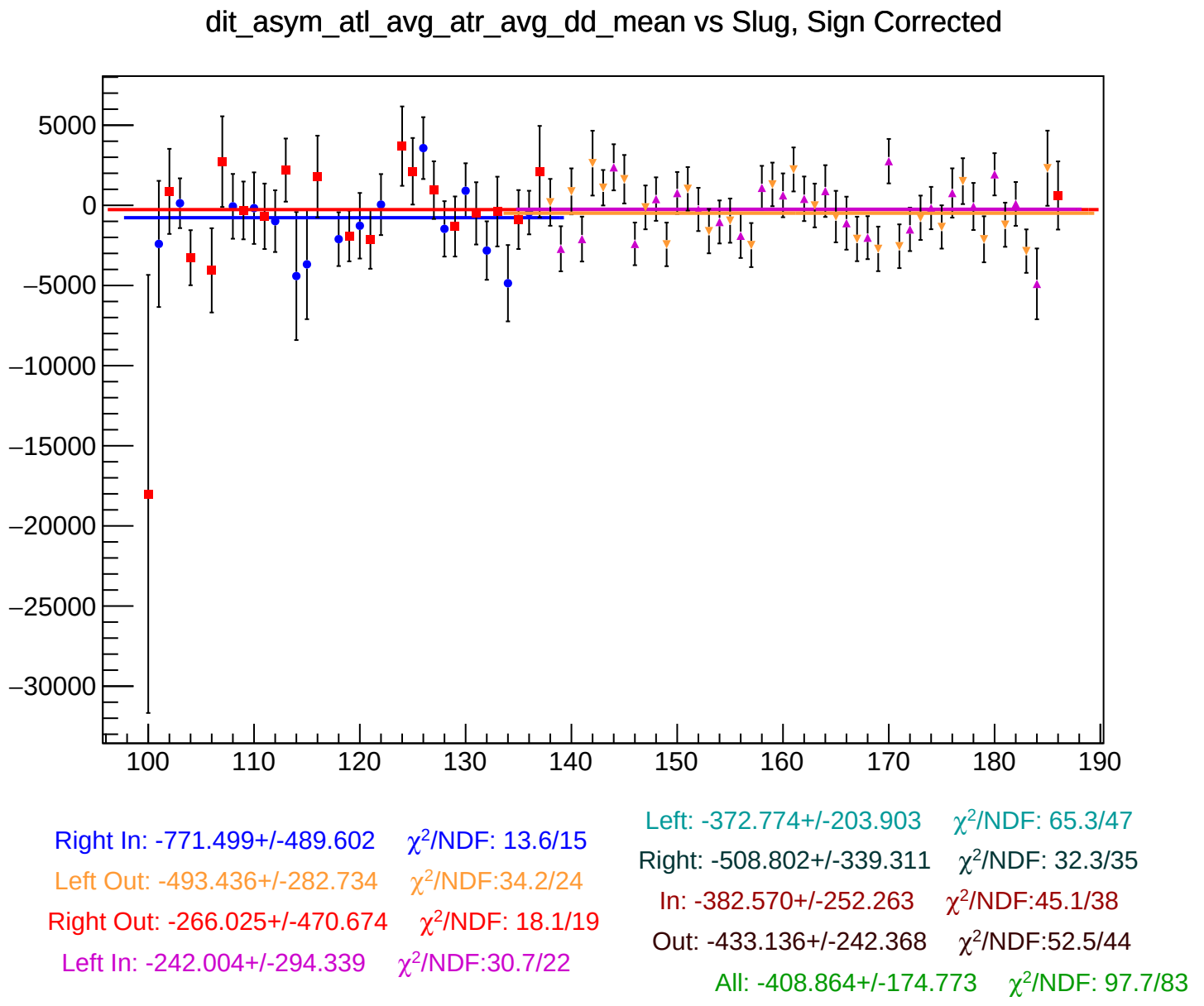
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

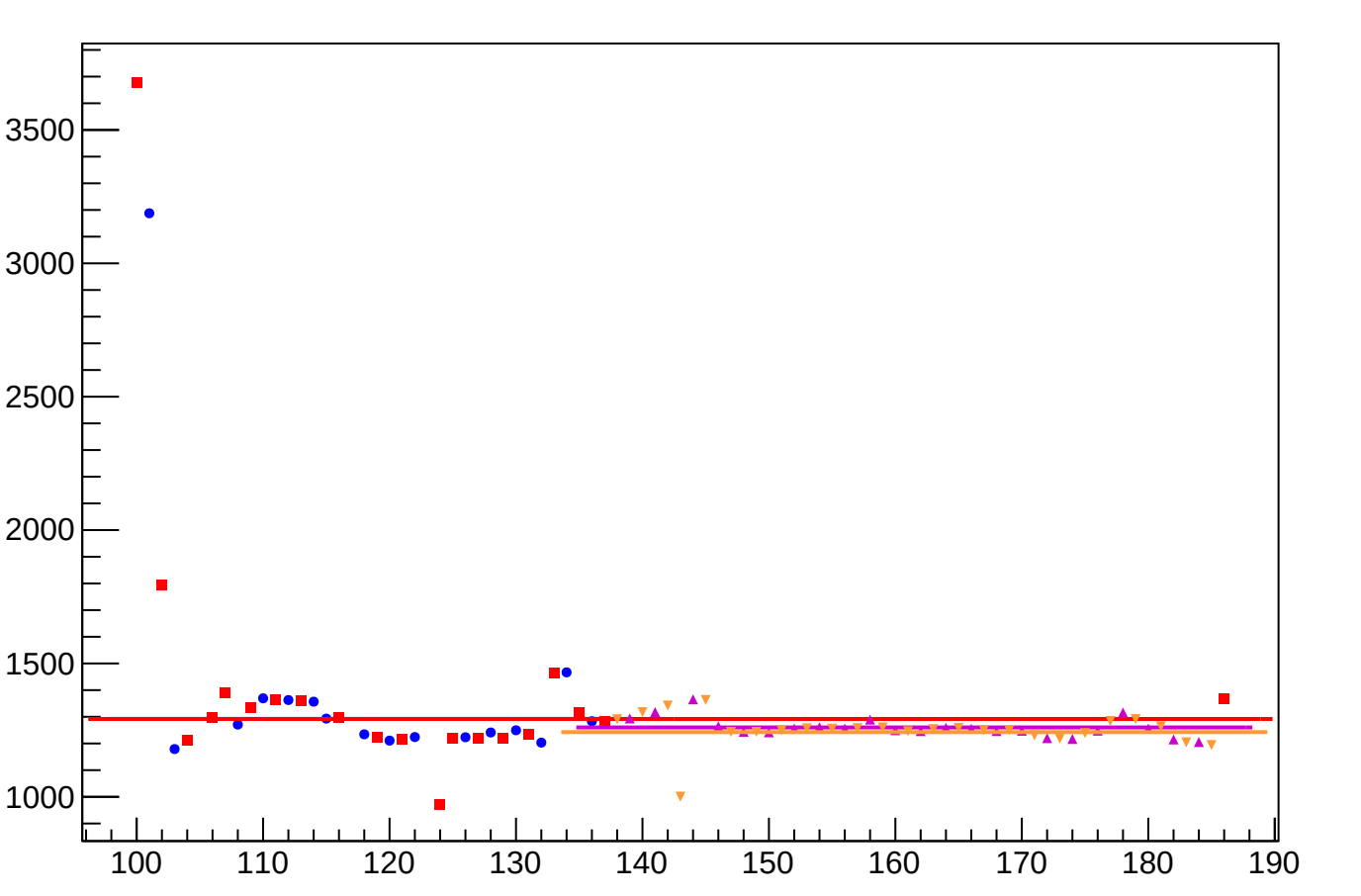
Right: 383.158+/-0.084 χ^2/NDF: 8552976.2/35

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -493.436+/-282.734 χ²/NDF:34.2/24
Right Out: -266.025+/-470.674 χ²/NDF: 18.1/19
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -508.802+/-339.311 χ²/NDF: 32.3/35
In: -382.570+/-252.263 χ²/NDF:45.1/38
Out: -433.136+/-242.368 χ²/NDF:52.5/44
All: -408.864+/-174.773 χ²/NDF: 97.7/83



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

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

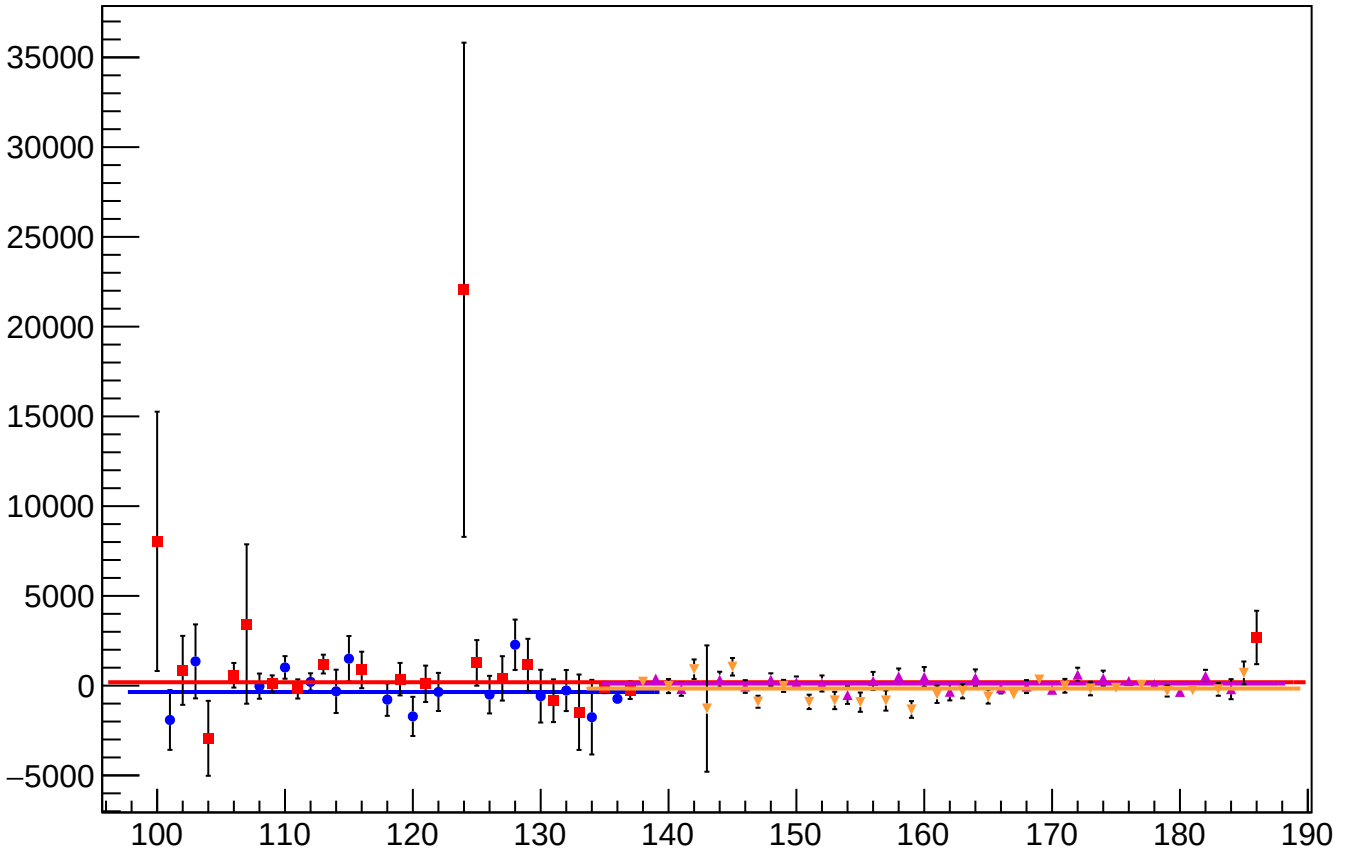
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1291.973+/-0.240 χ^2/NDF: 721315.7/35

In: 1268.574+/-0.178 χ^2/NDF:543592.0/38

Out: 1255.631+/-0.171 χ^2/NDF:358105.1/44

All: 1261.844+/-0.124 χ^2/NDF: 904434.7/83



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

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

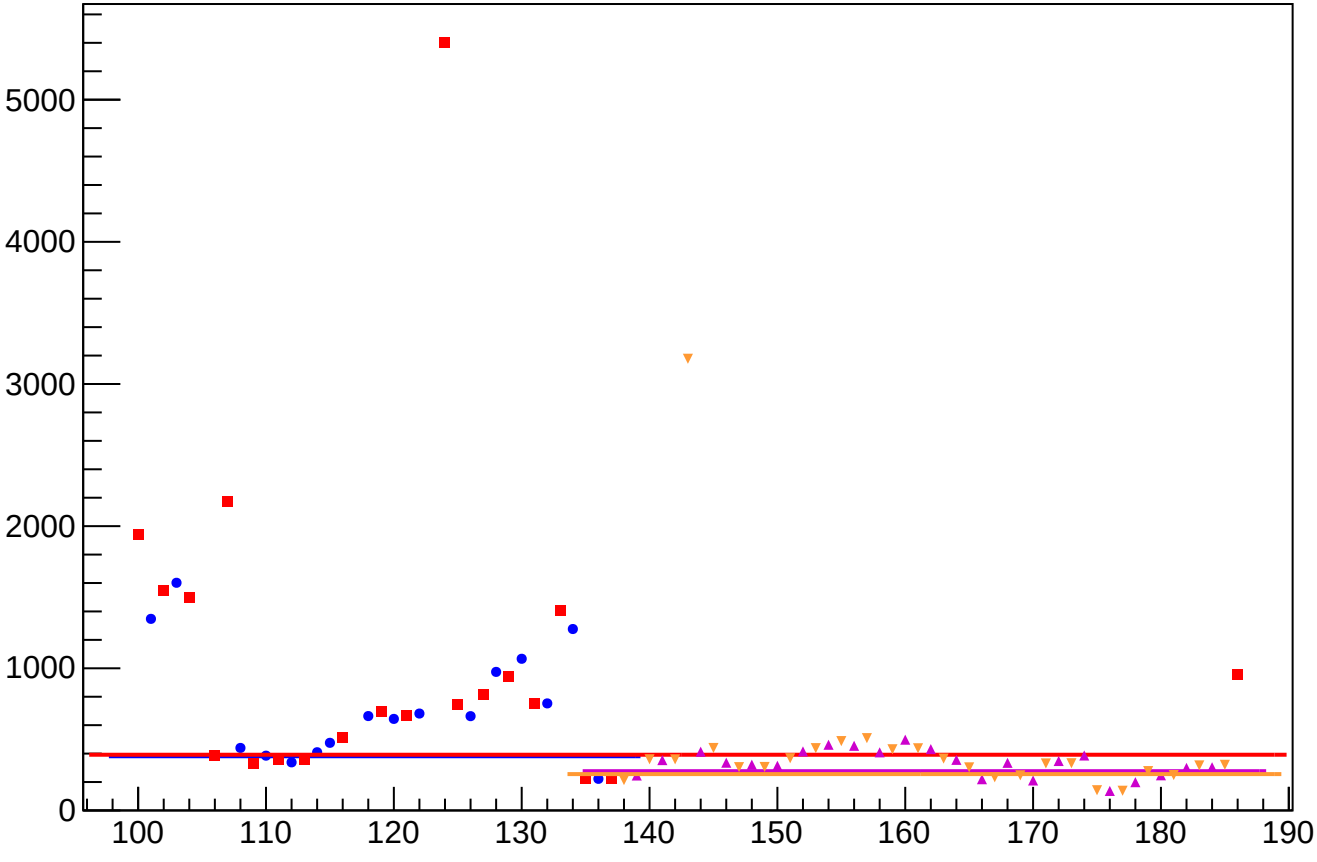
Right: -80.195+/-119.690 χ^2/NDF: 42.3/35

In: 47.637+/-63.806 χ^2/NDF:43.2/38

Out: -116.517+/-59.941 χ^2/NDF:66.2/44

All: -39.561+/-43.687 χ^2/NDF: 112.9/83

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 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

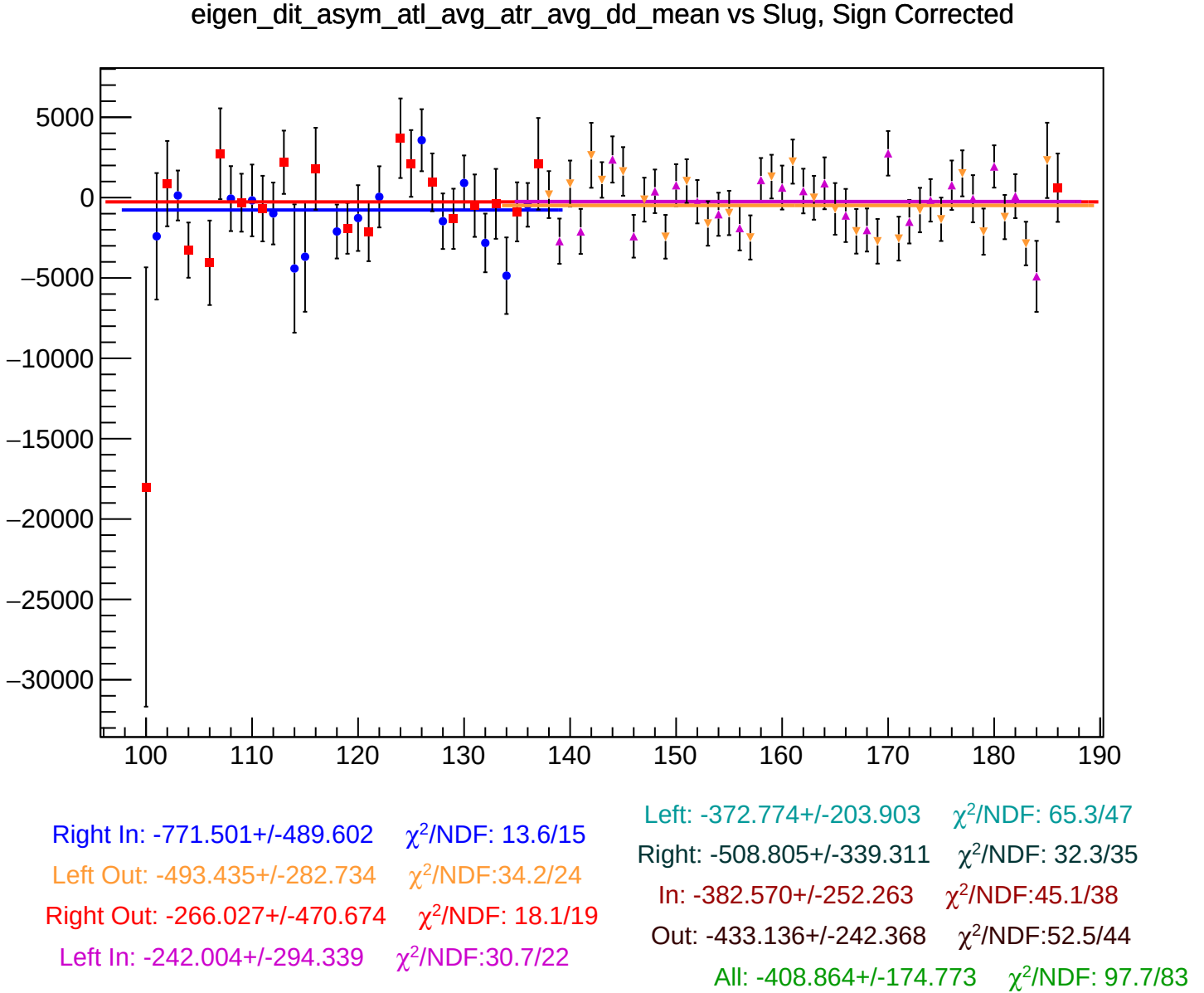
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 386.698+/-0.085 χ^2/NDF: 9171307.7/35

In: 291.102+/-0.045 χ^2/NDF:9001649.9/38

Out: 272.988+/-0.042 χ^2/NDF:12363751.2/44

All: 281.480+/-0.031 χ^2/NDF: 21451027.9/83


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
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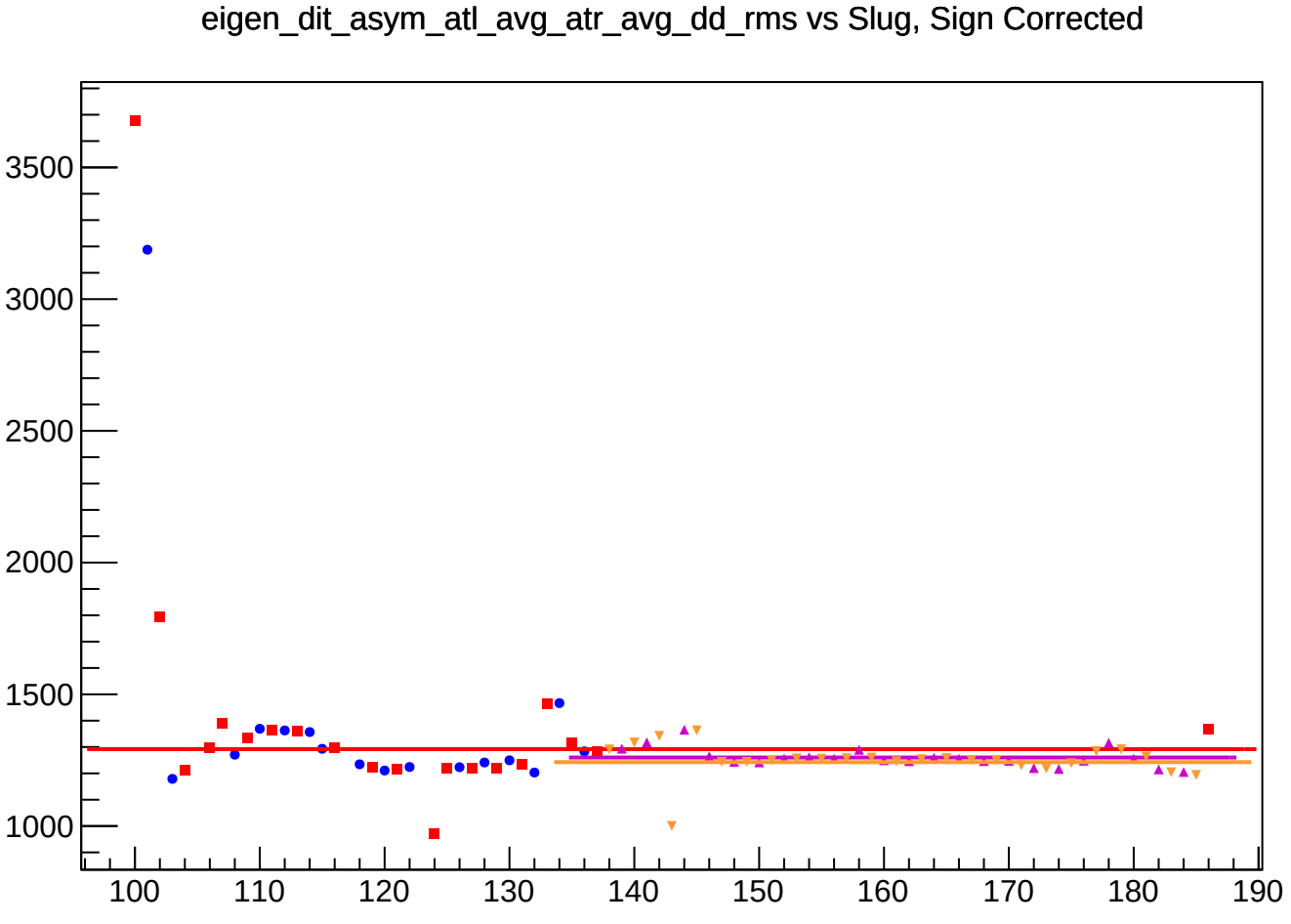
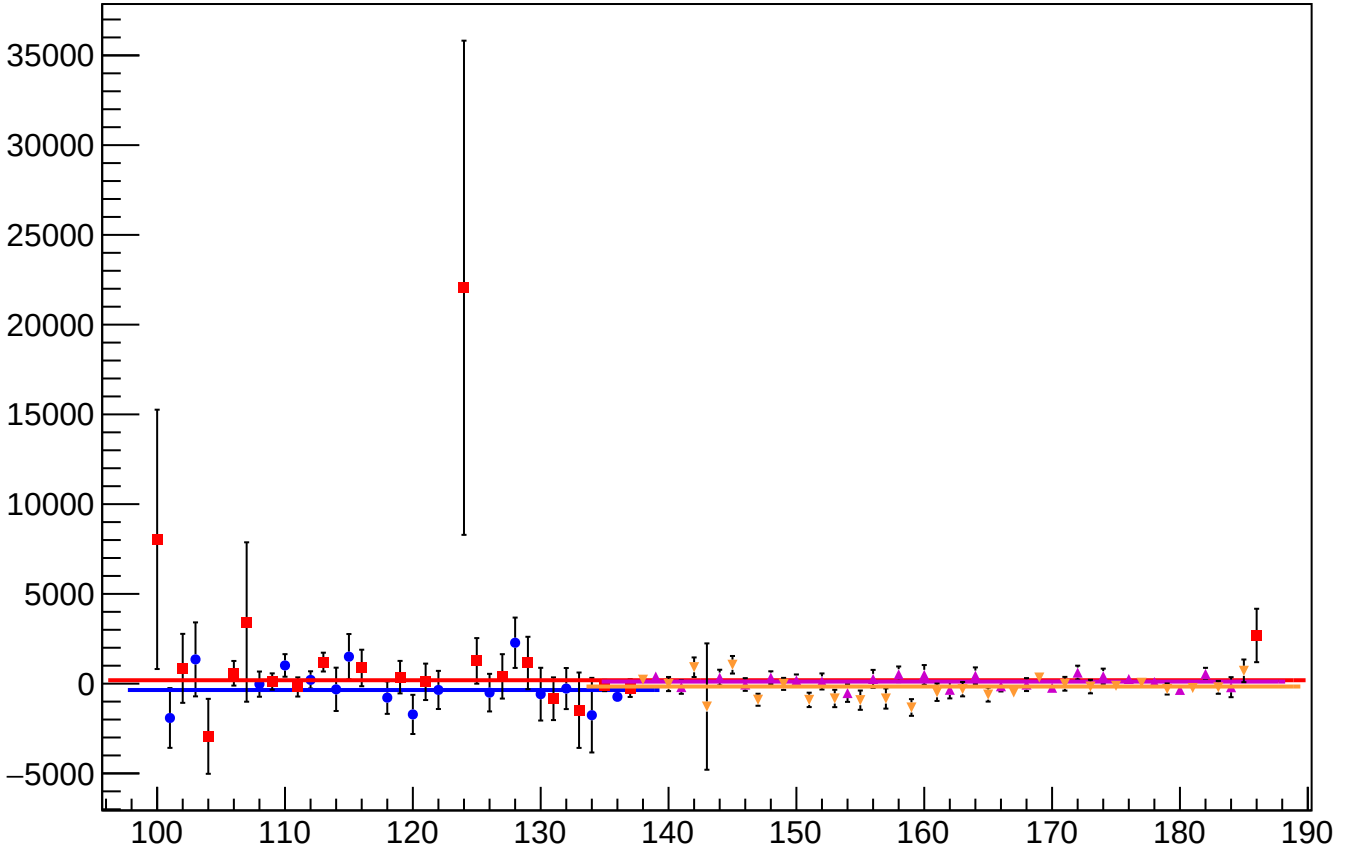
170
180
190
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -266.027+/-470.674 χ²/NDF: 18.1/19
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -508.805+/-339.311 χ²/NDF: 32.3/35
In: -382.570+/-252.263 χ²/NDF:45.1/38
Out: -433.136+/-242.368 χ²/NDF:52.5/44
All: -408.864+/-174.773 χ²/NDF: 97.7/83


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1292.038+/-0.346 χ²/NDF: 509406.2/15
Left Out: 1242.539+/-0.200 χ²/NDF:130022.2/24
Right Out: 1291.913+/-0.333 χ²/NDF: 211909.6/19
Left In: 1260.094+/-0.208 χ²/NDF:27932.2/22
Left: 1250.964+/-0.144 χ²/NDF: 161654.3/47
Right: 1291.973+/-0.240 χ²/NDF: 721315.9/35
In: 1268.574+/-0.178 χ²/NDF:543592.1/38
Out: 1255.631+/-0.171 χ²/NDF:358104.5/44
All: 1261.844+/-0.124 χ²/NDF: 904434.2/83

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -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

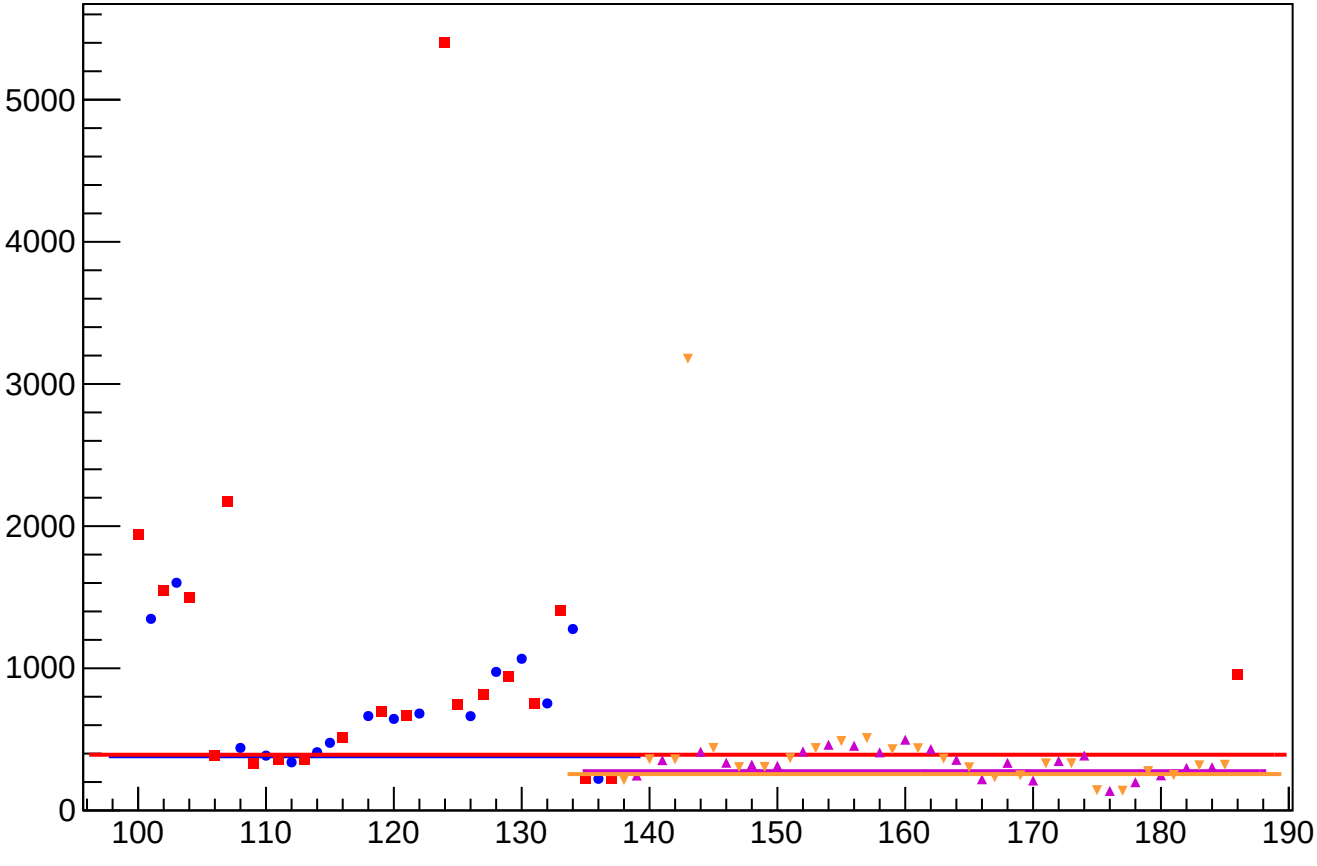
Right: -80.191+/-119.692 χ^2/NDF: 42.3/35

In: 47.638+/-63.806 χ^2/NDF:43.2/38

Out: -116.520+/-59.942 χ^2/NDF:66.2/44

All: -39.563+/-43.687 χ^2/NDF: 112.9/83

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 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

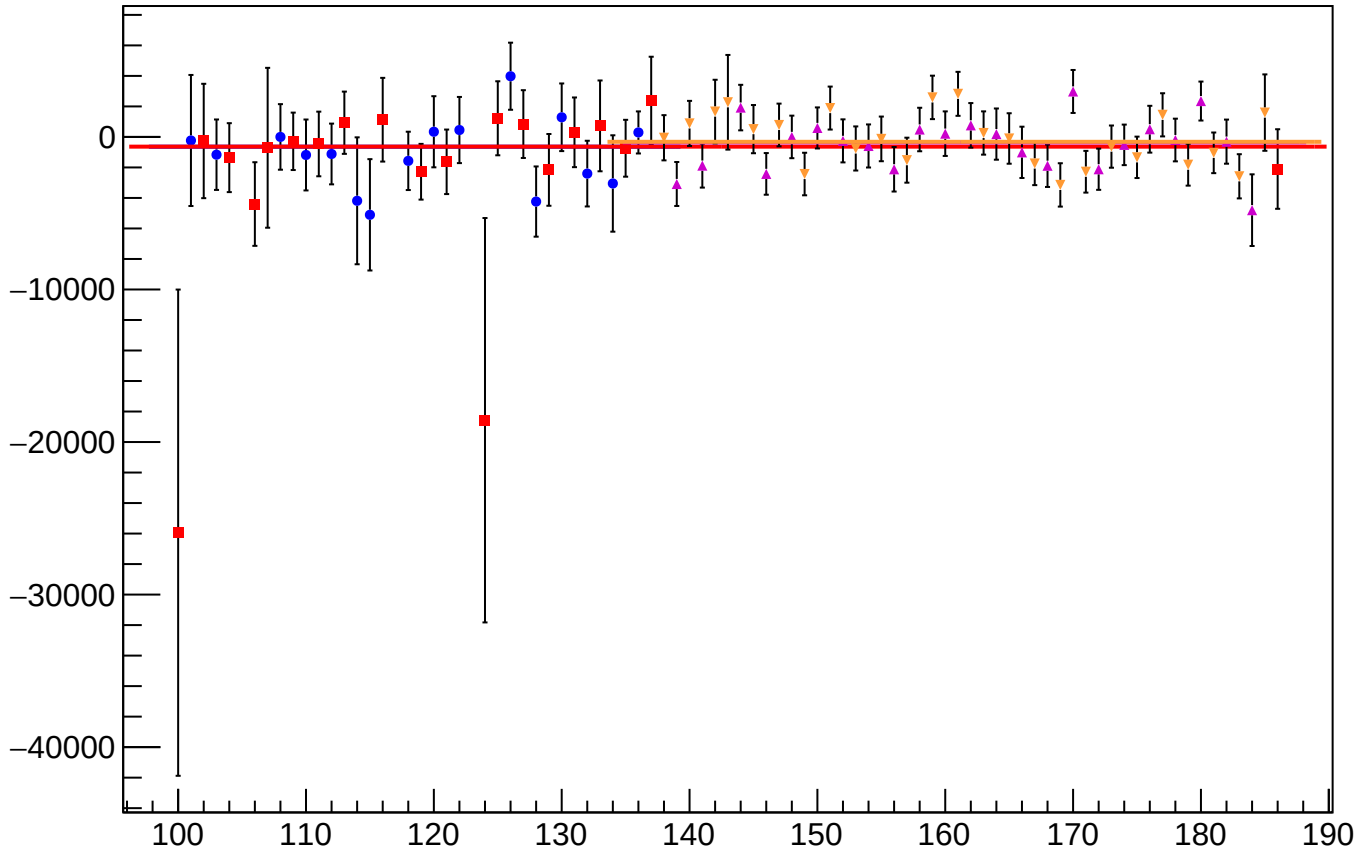
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 386.707+/-0.085 χ^2/NDF: 9170969.5/35

In: 291.104+/-0.045 χ^2/NDF:9001525.1/38

Out: 272.990+/-0.042 χ^2/NDF:12363584.5/44

All: 281.482+/-0.031 χ^2/NDF: 21450731.7/83



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

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

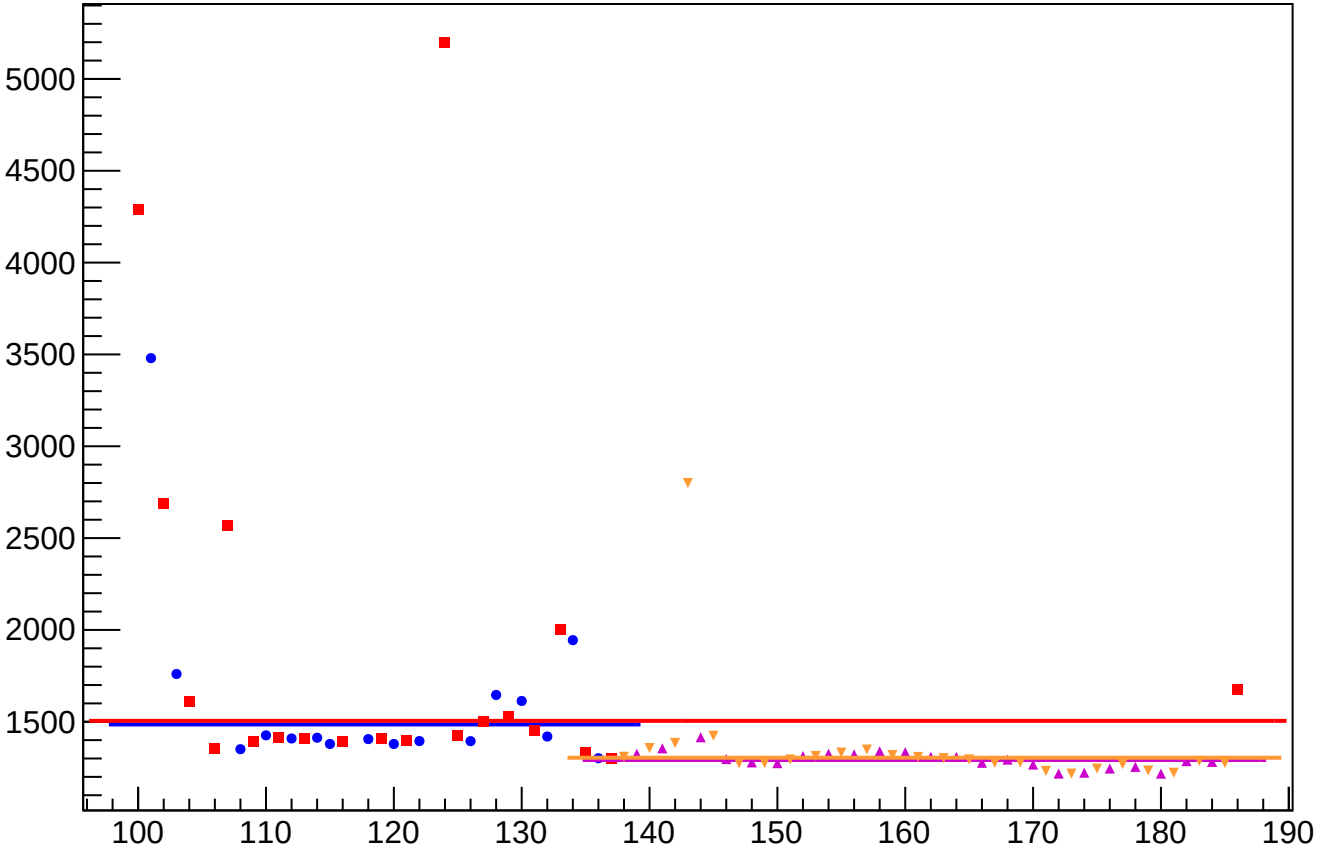
Right: -638.645+/-395.295 χ^2/NDF: 24.1/35

In: -419.672+/-266.207 χ^2/NDF:42.3/38

Out: -390.968+/-262.610 χ^2/NDF:43.5/44

All: -405.125+/-186.952 χ^2/NDF: 85.8/83

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

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

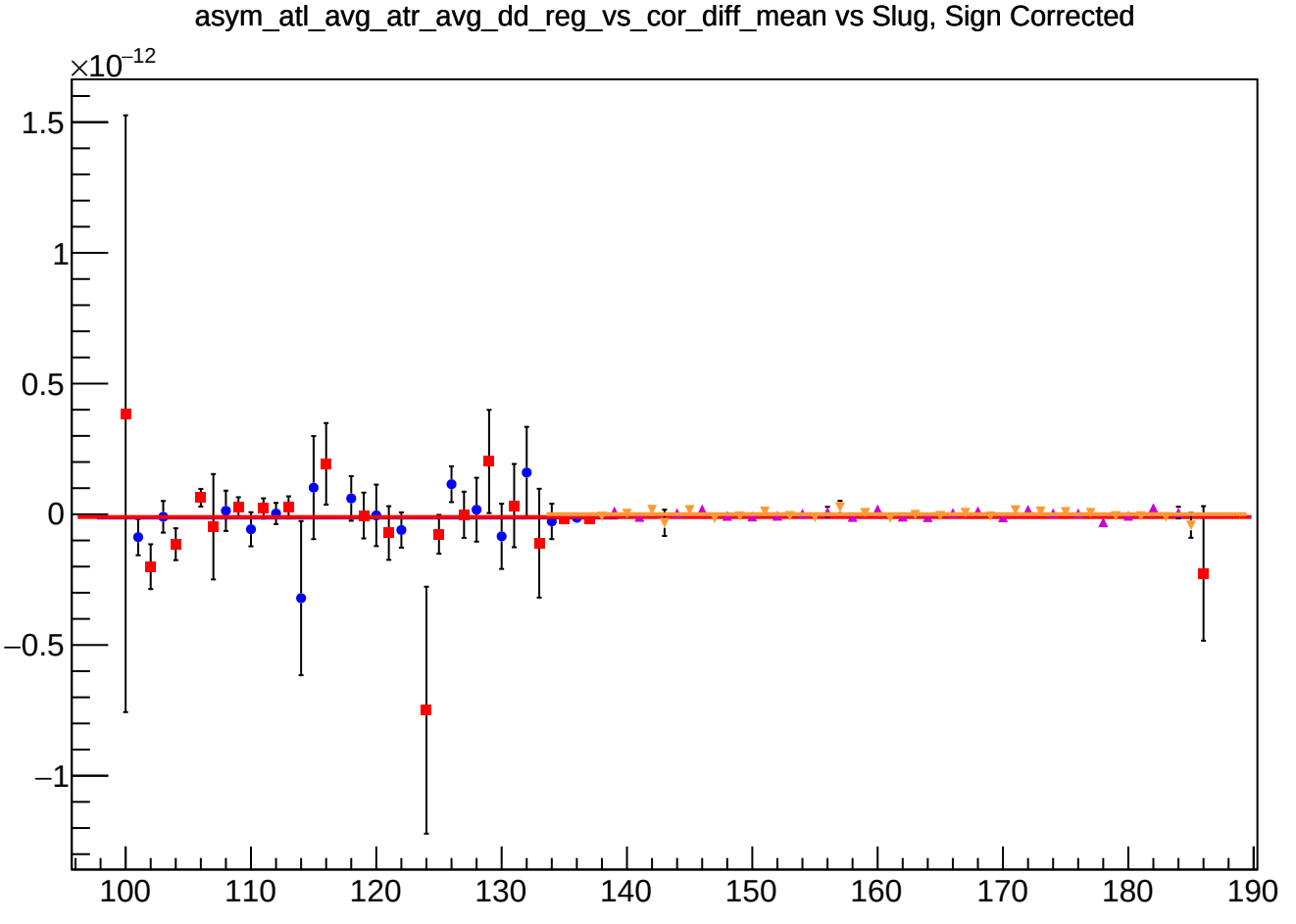
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1495.367+/-0.280 χ^2/NDF: 1218116.8/35

In: 1335.119+/-0.188 χ^2/NDF:815135.7/38

Out: 1349.310+/-0.186 χ^2/NDF:1355891.2/44

All: 1342.311+/-0.132 χ^2/NDF: 2173907.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

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

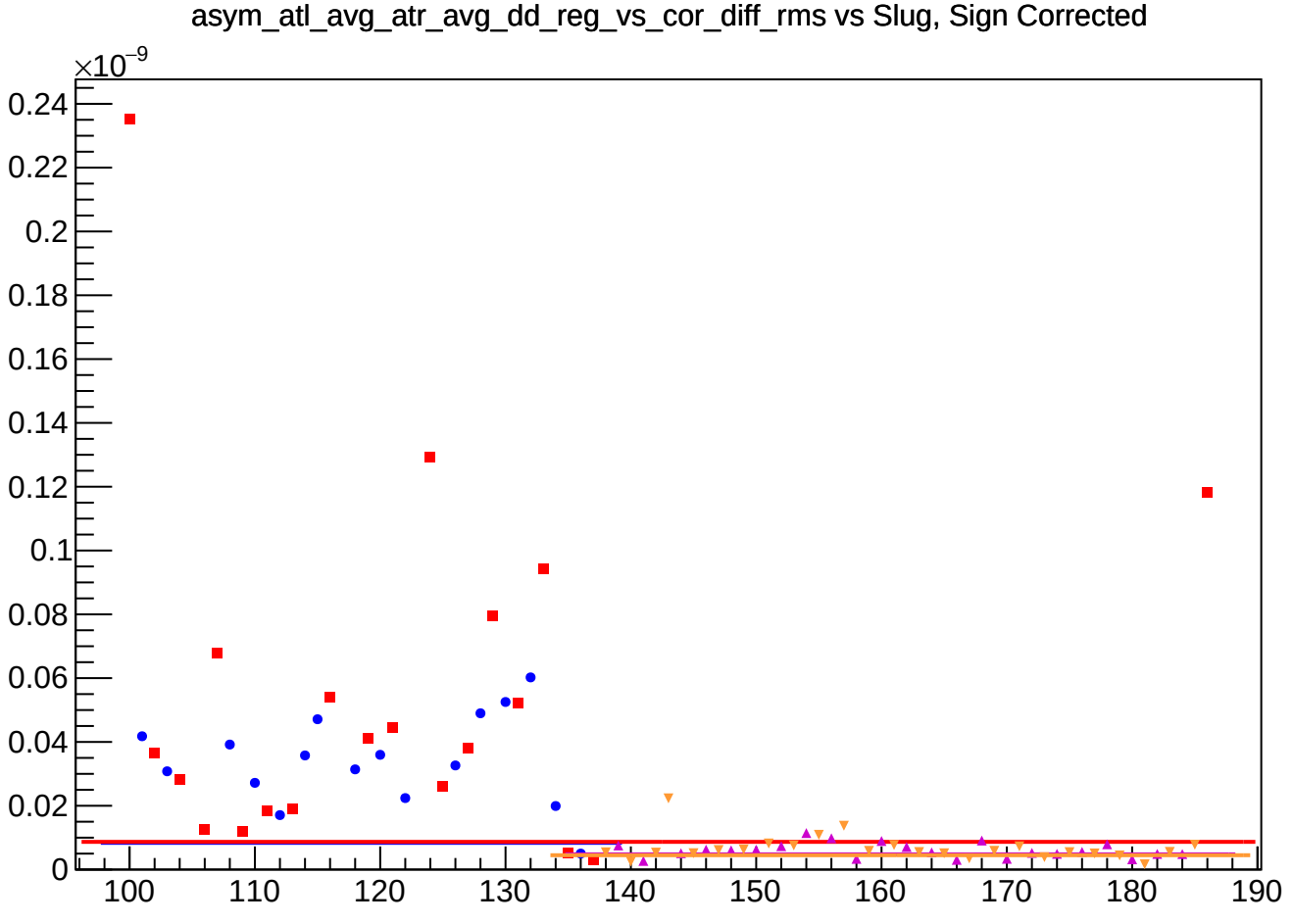
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 32.5/35

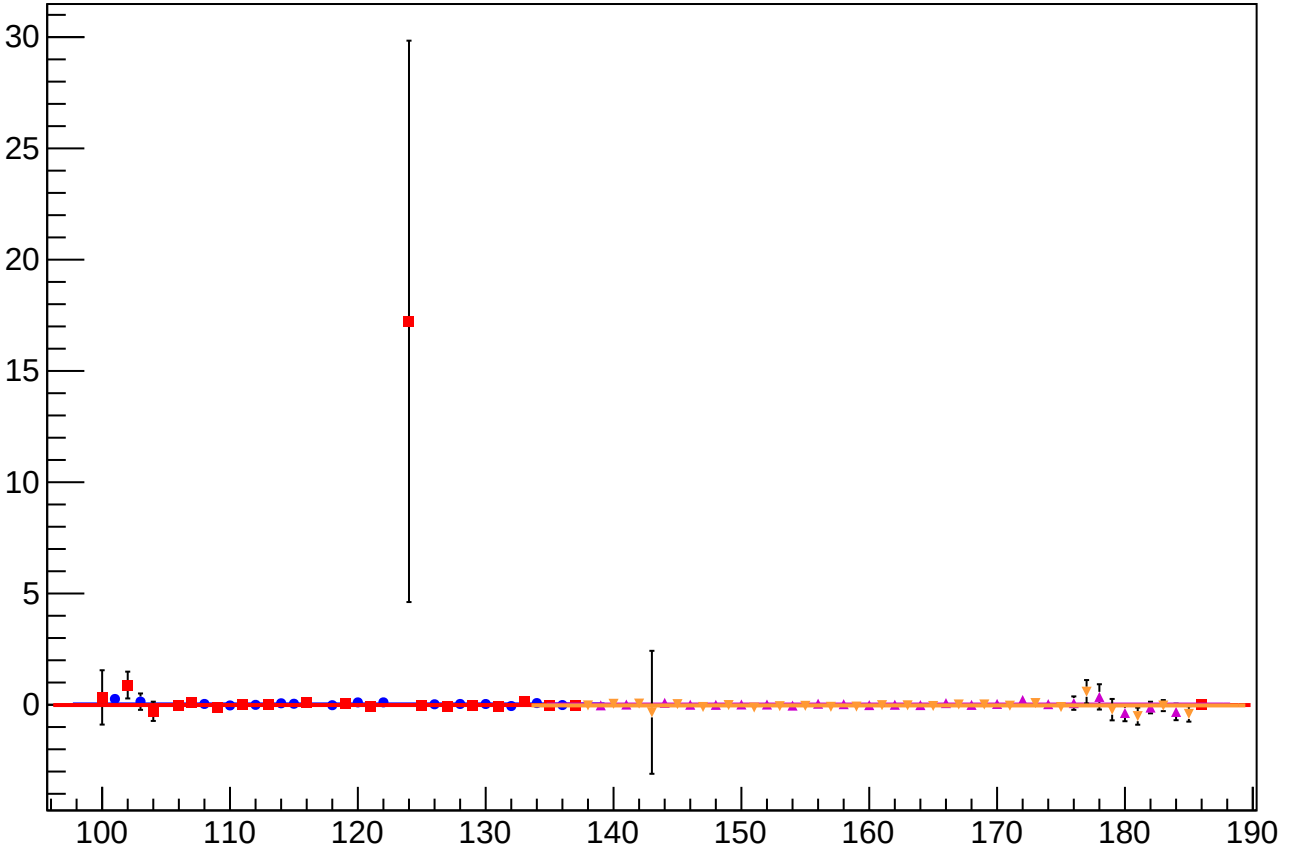
In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:49.1/44

All: -0.000+/-0.000 χ^2/NDF: 90.8/83


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2715297.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3711165.2/19
Left In: 0.000+/-0.000 χ²/NDF:1884808.0/22
Left: 0.000+/-0.000 χ²/NDF: 4620695.3/47
Right: 0.000+/-0.000 χ²/NDF: 6772385.0/35
In: 0.000+/-0.000 χ²/NDF:5381926.7/38
Out: 0.000+/-0.000 χ²/NDF:6943286.3/44
All: 0.000+/-0.000 χ²/NDF: 12351883.7/83

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

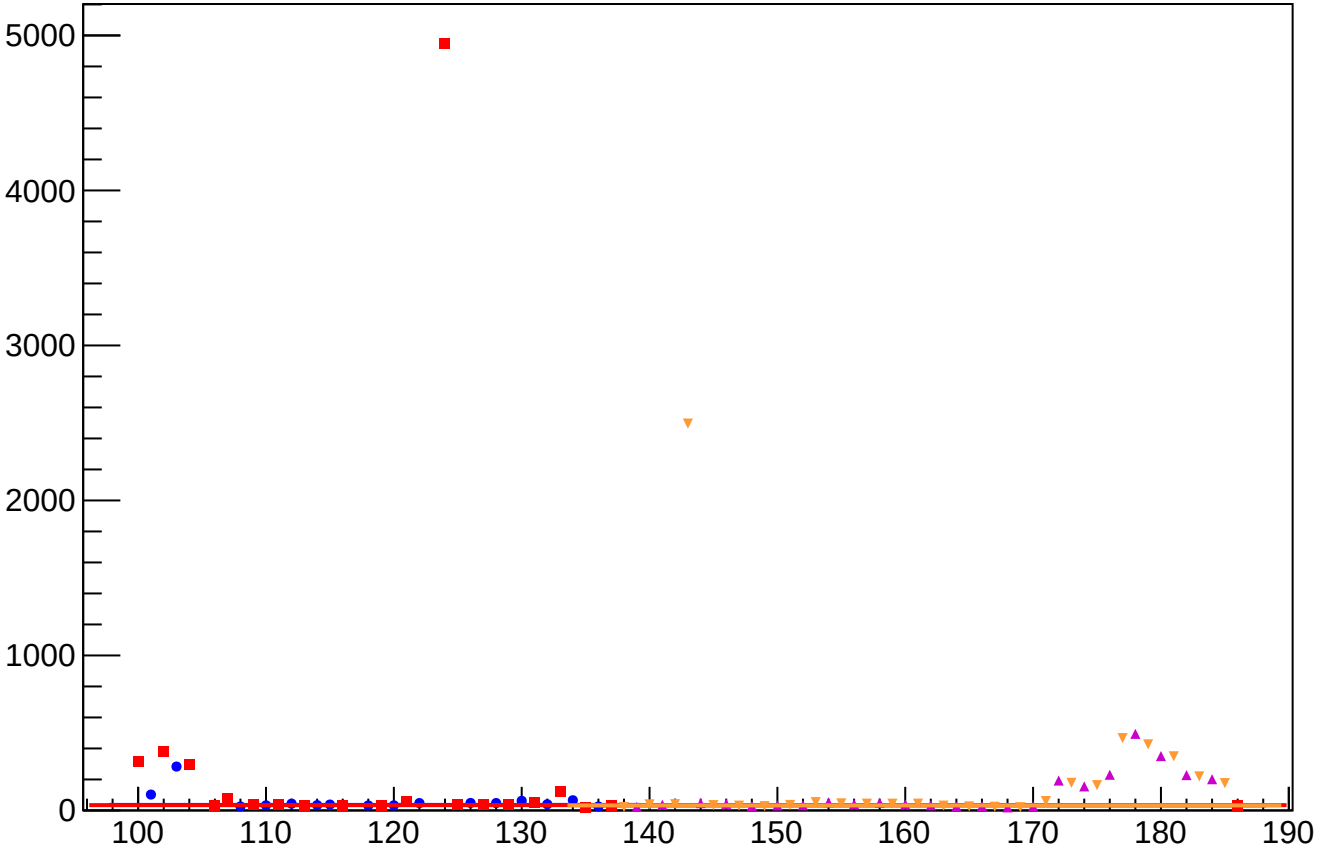
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 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

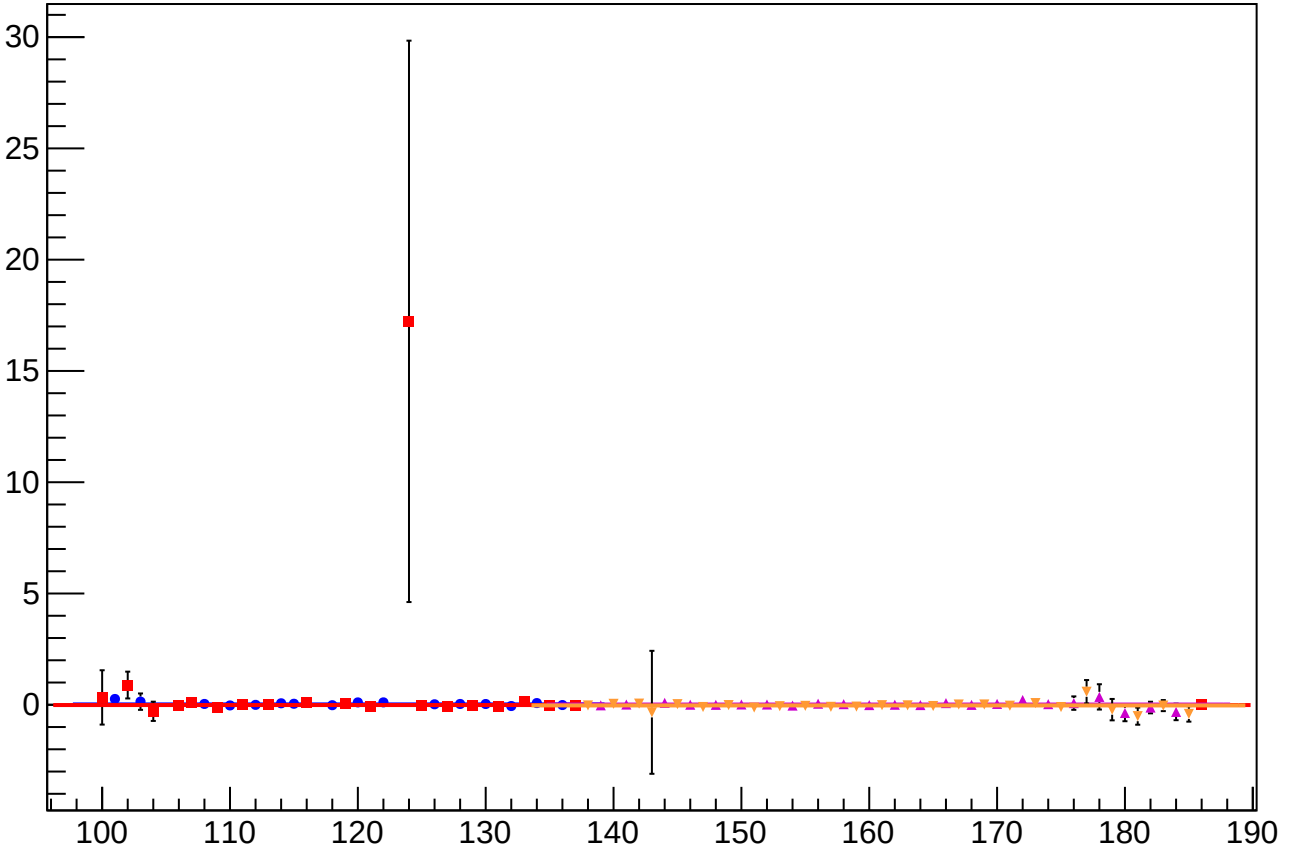
Right: 35.012+/-0.008 χ^2/NDF: 5210916.4/35

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

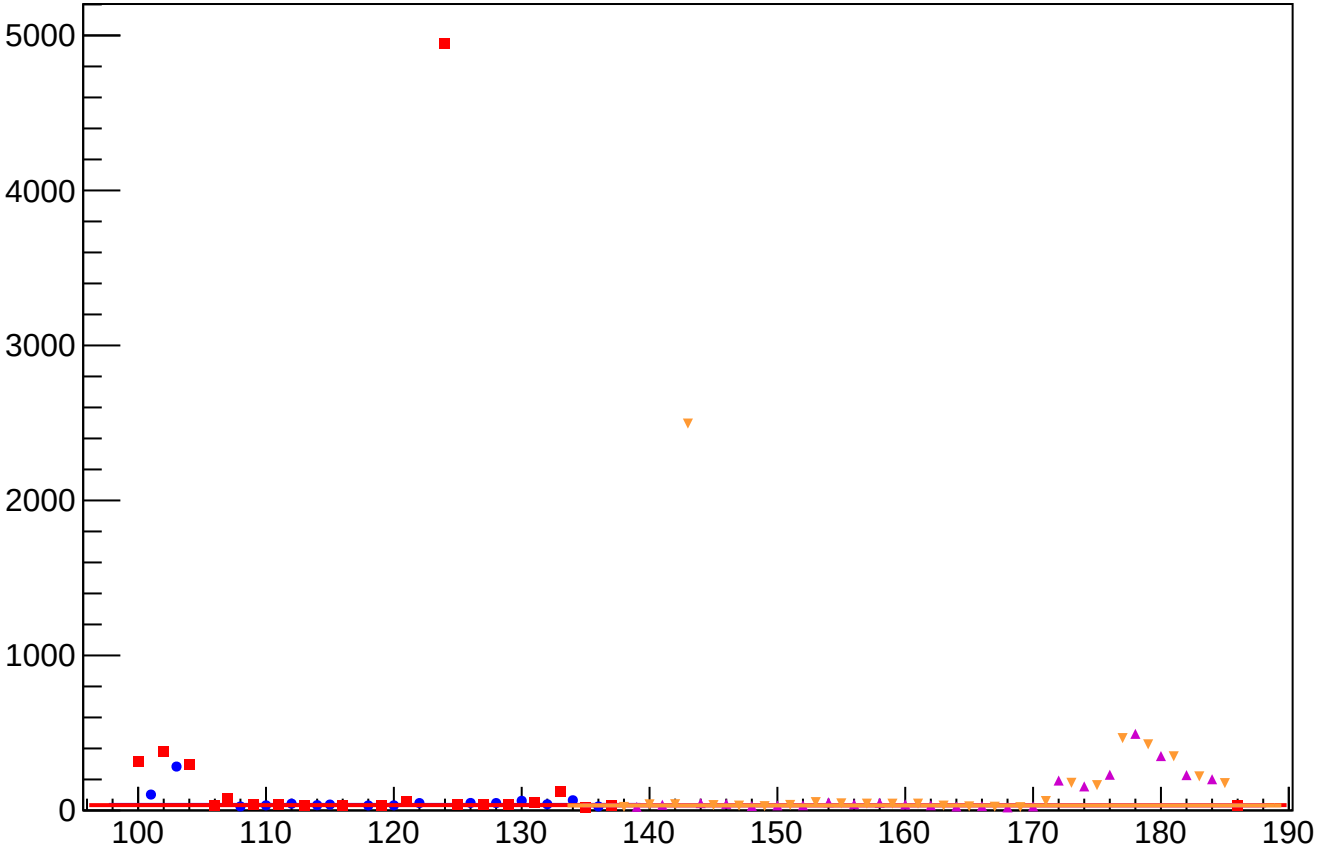
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 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

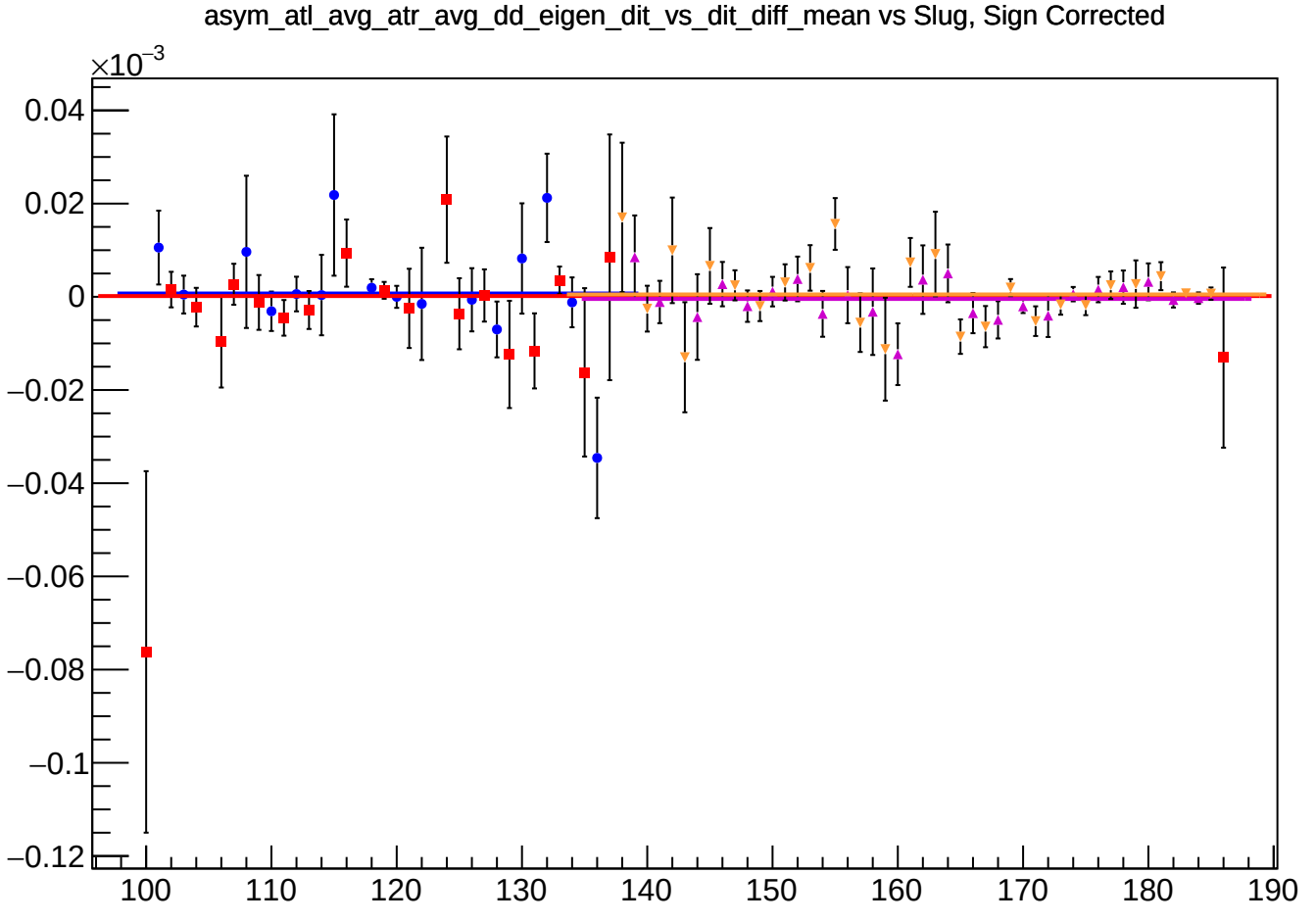
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.012+/-0.008 χ^2/NDF: 5210916.4/35

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

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

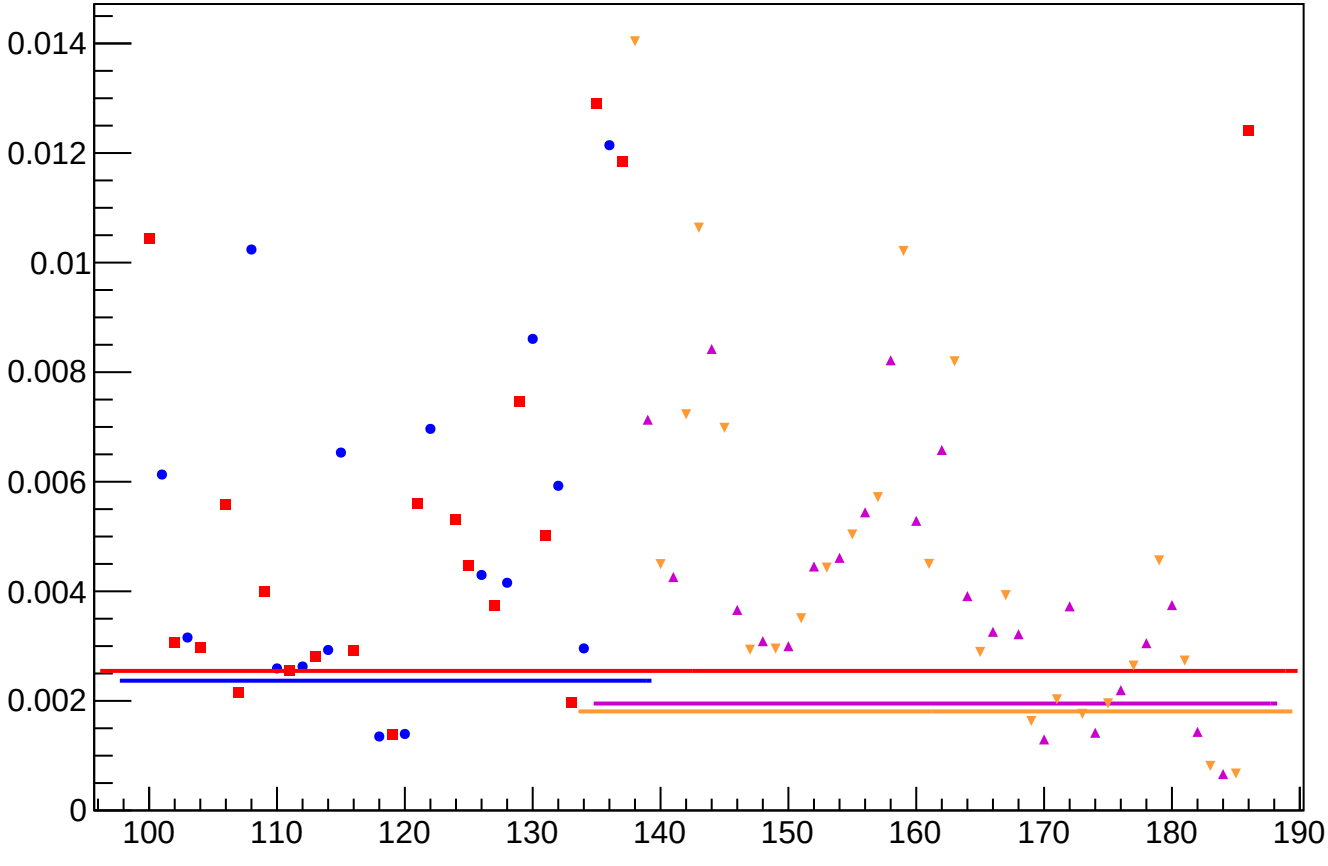
Right: 0.000+/-0.000 χ^2/NDF: 37.8/35

In: -0.000+/-0.000 χ^2/NDF:33.7/38

Out: 0.000+/-0.000 χ^2/NDF:54.4/44

All: 0.000+/-0.000 χ^2/NDF: 88.8/83

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.002+/-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

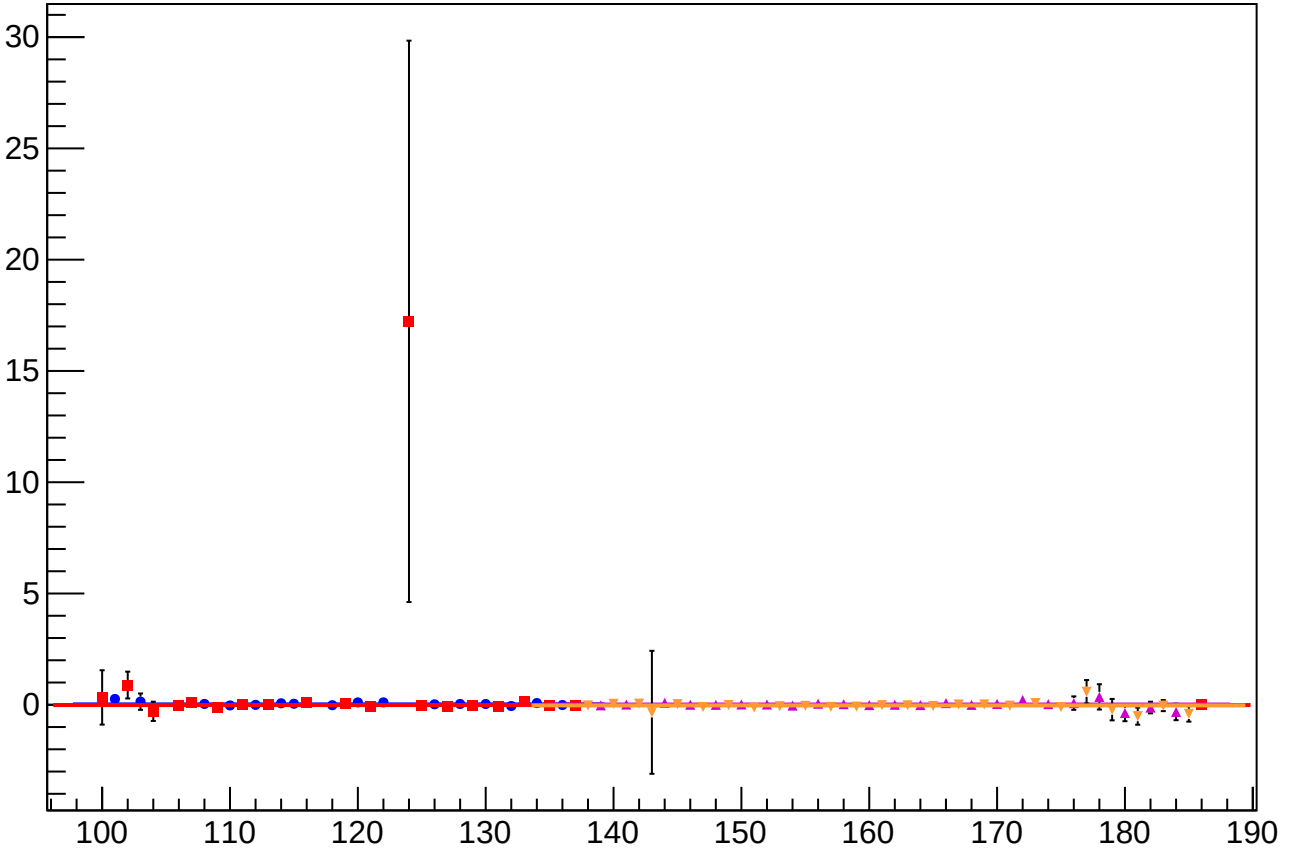
Right: 0.002+/-0.000 χ^2/NDF: 8668786.9/35

In: 0.002+/-0.000 χ^2/NDF:16421206.7/38

Out: 0.002+/-0.000 χ^2/NDF:19627746.8/44

All: 0.002+/-0.000 χ^2/NDF: 36074995.4/83

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

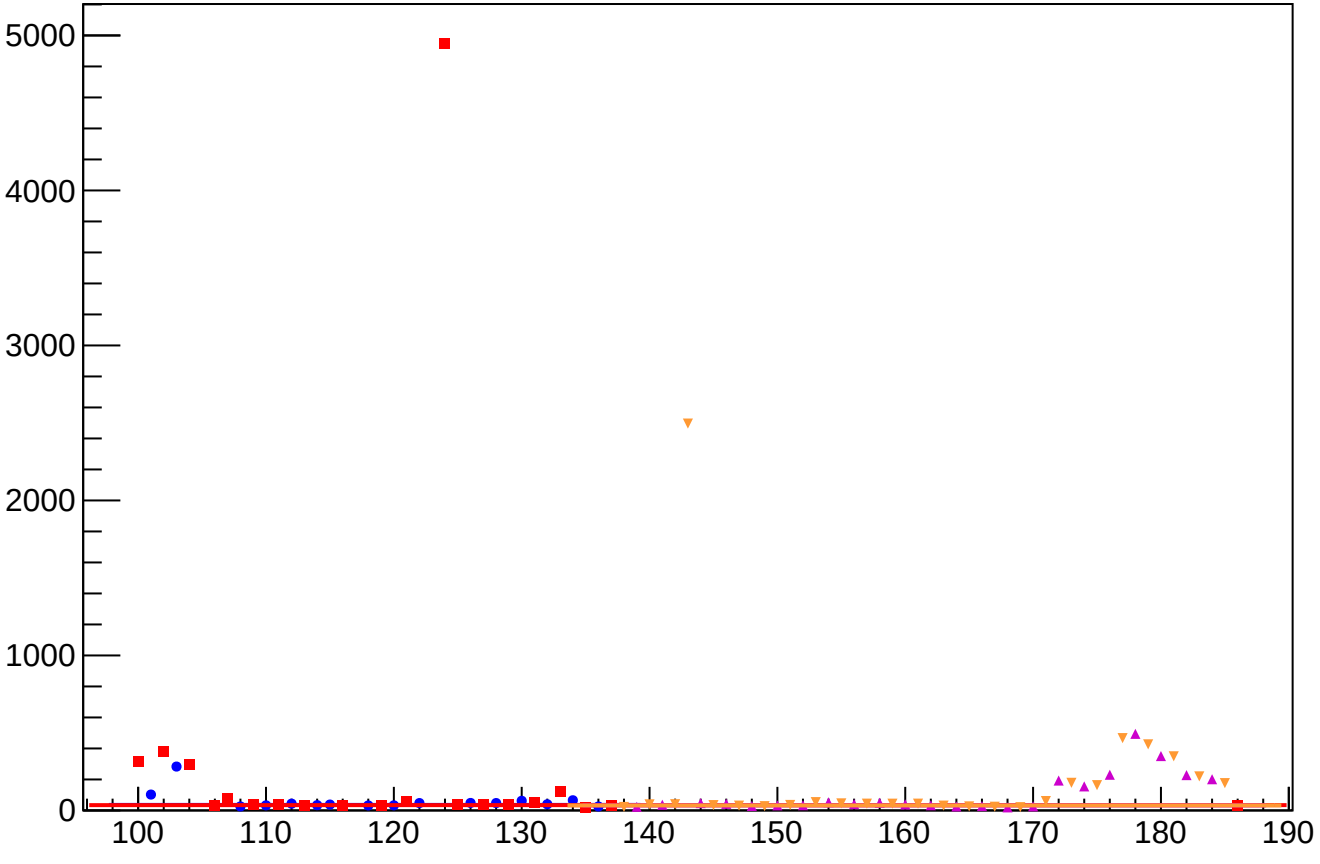
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 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

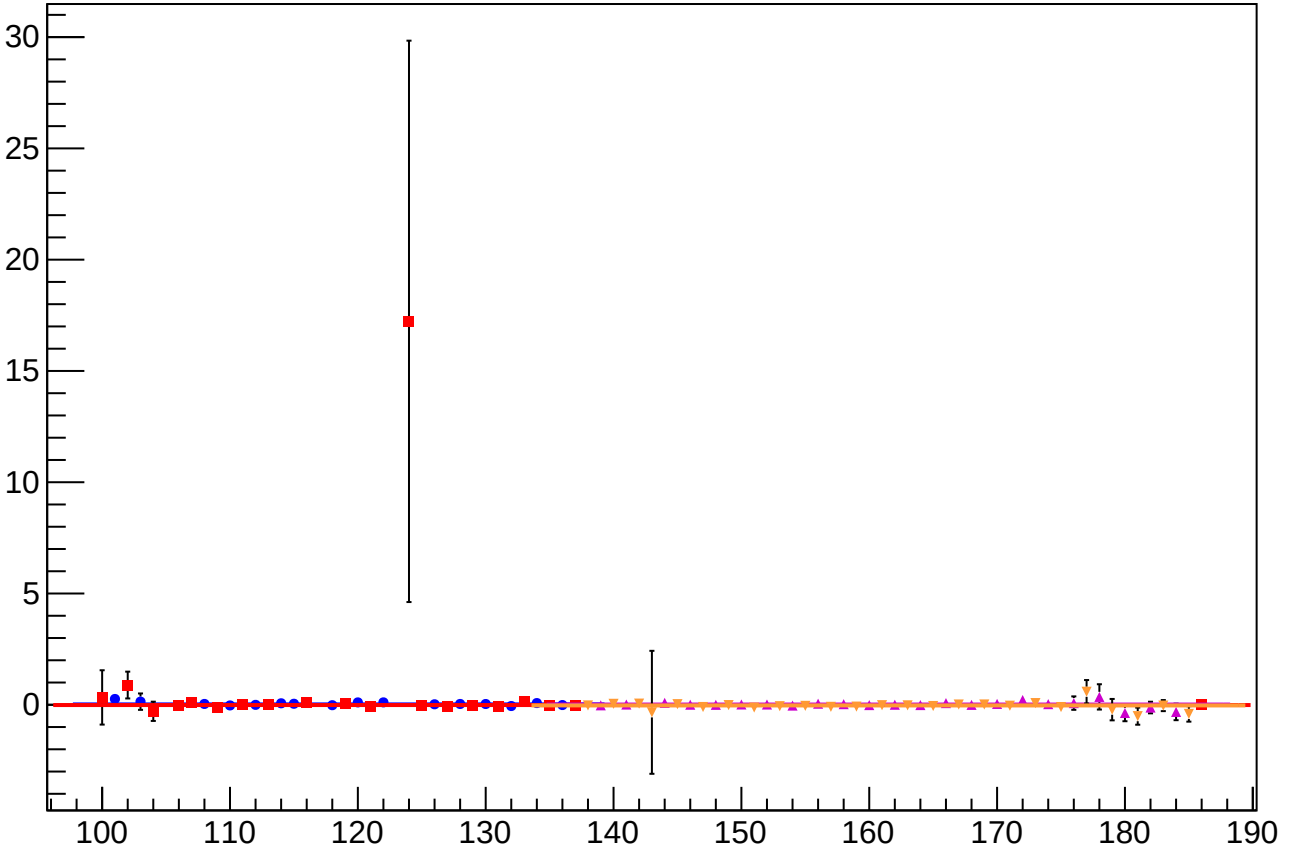
Right: 35.013+/-0.008 χ^2/NDF: 5210489.1/35

In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

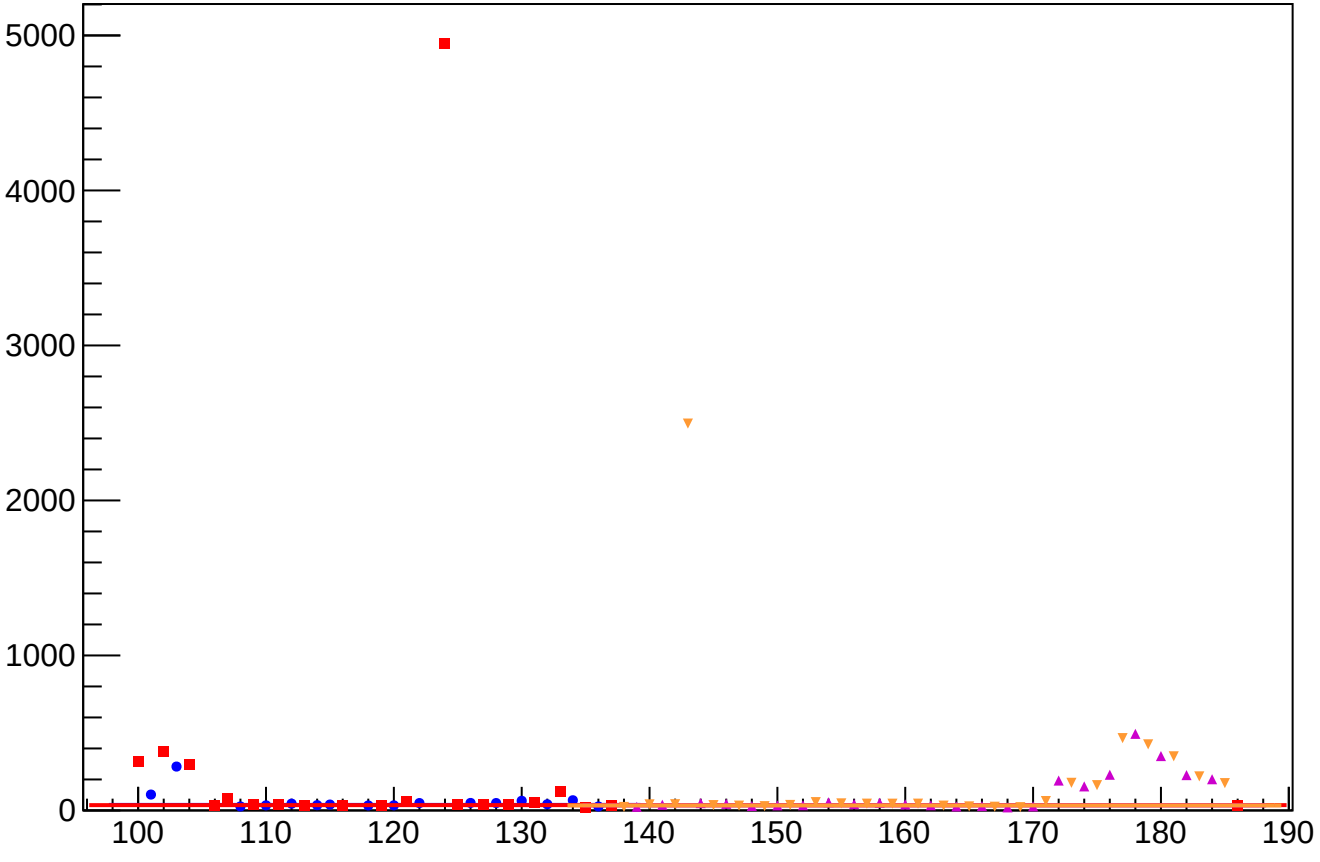
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 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

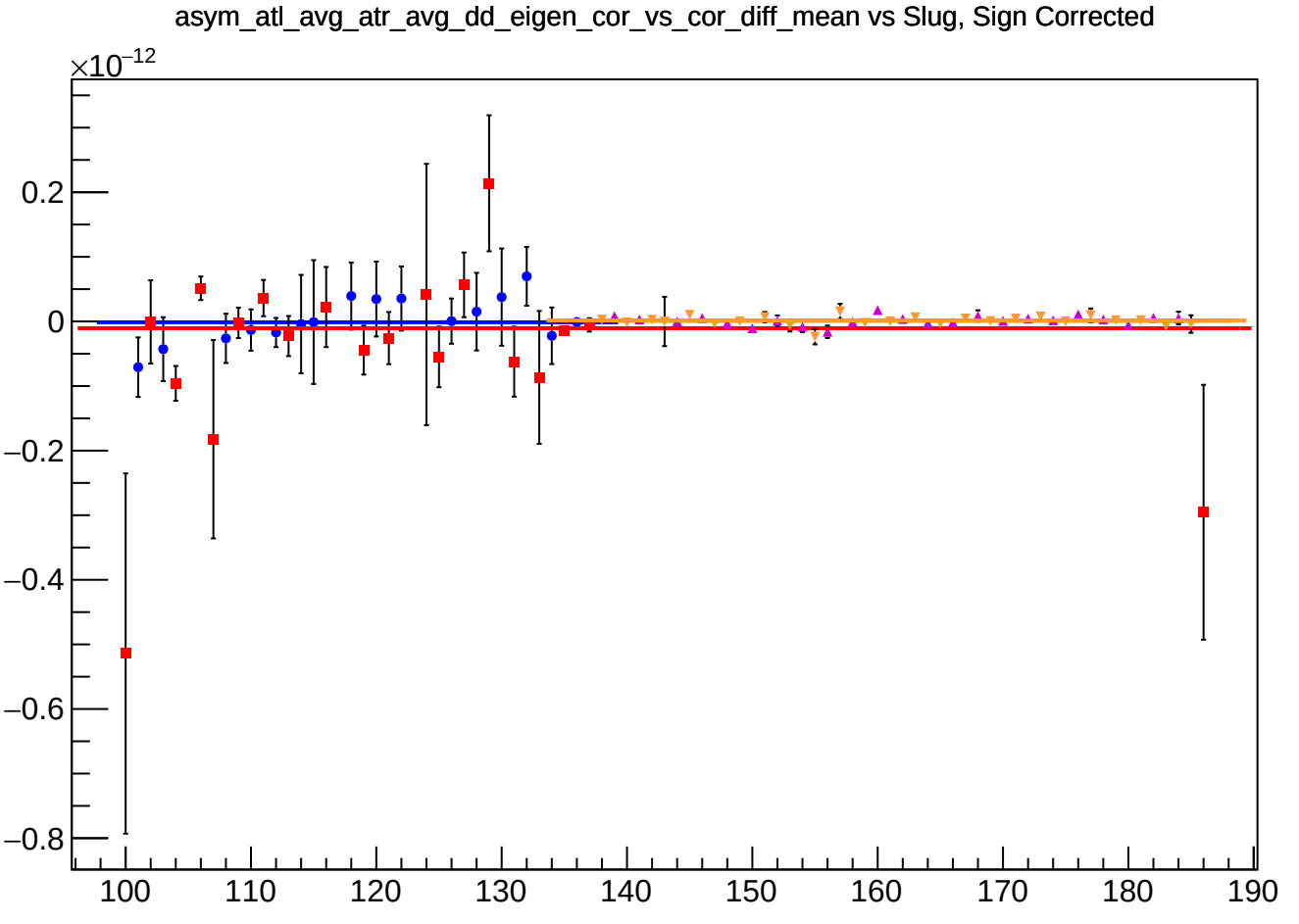
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.013+/-0.008 χ^2/NDF: 5210489.1/35

In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

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

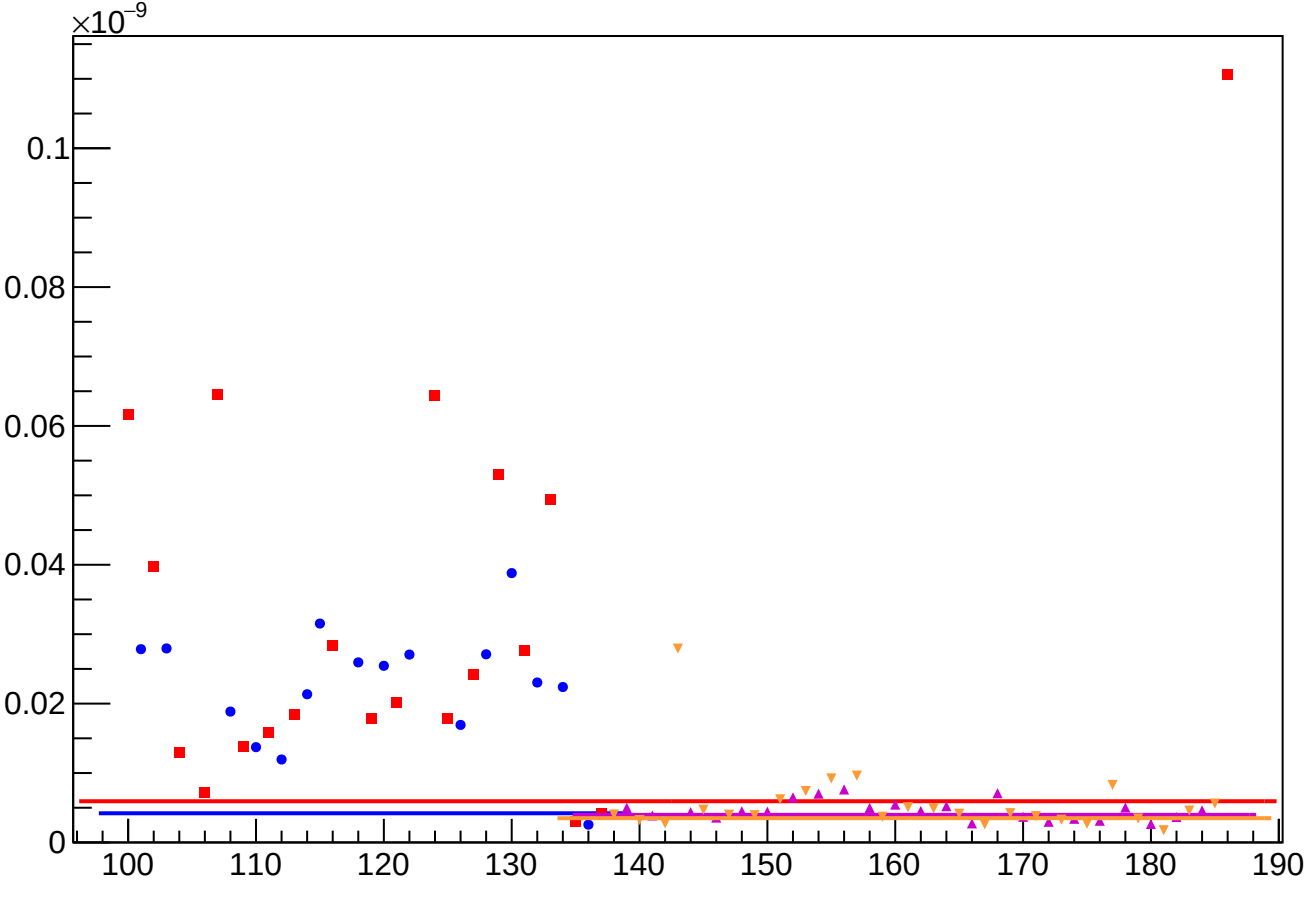
Right: -0.000+/-0.000 χ^2/NDF: 53.4/35

In: 0.000+/-0.000 χ^2/NDF:37.8/38

Out: 0.000+/-0.000 χ^2/NDF:67.7/44

All: 0.000+/-0.000 χ^2/NDF: 105.5/83

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

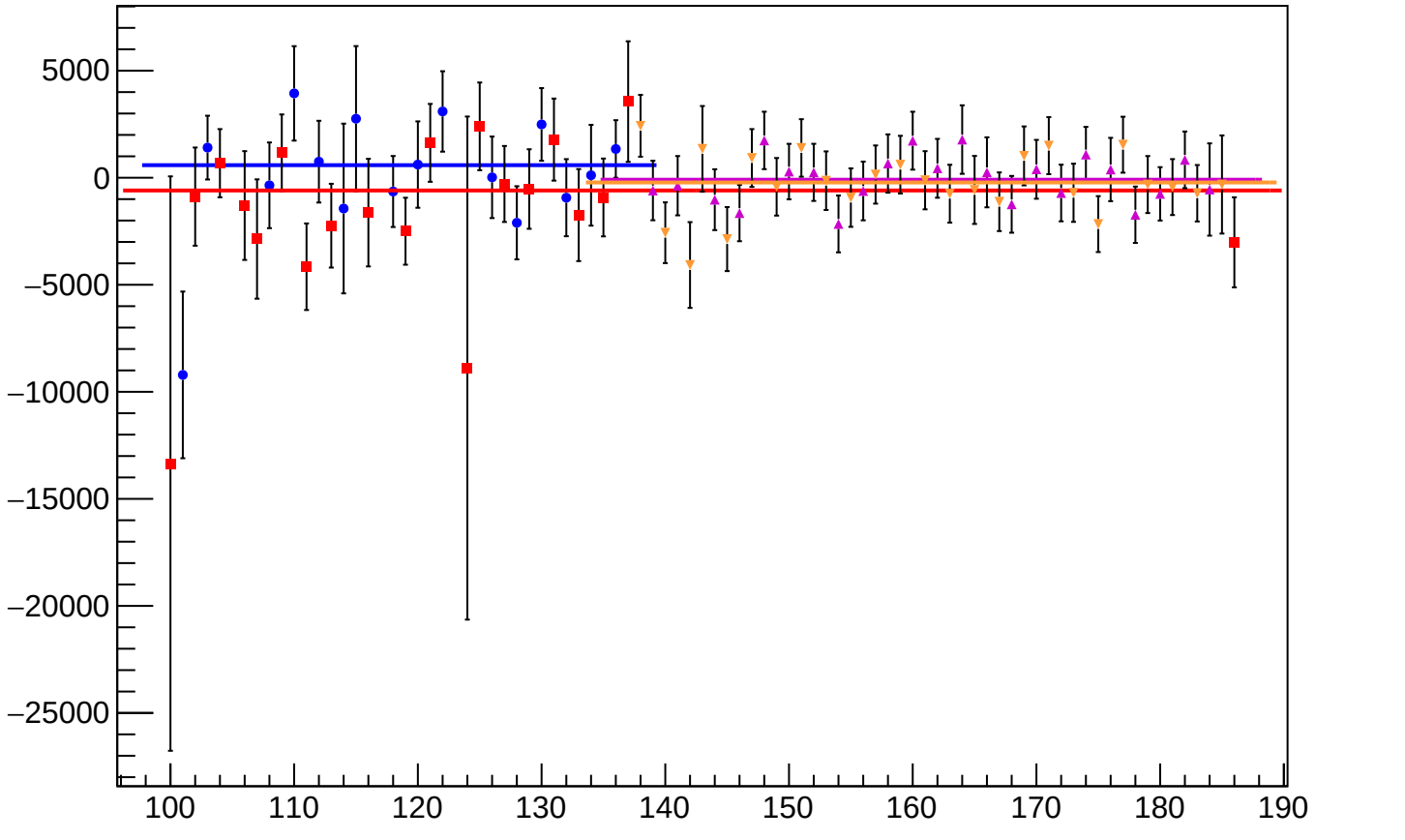
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10709919.2/35

In: 0.000+/-0.000 χ^2/NDF:7161481.2/38

Out: 0.000+/-0.000 χ^2/NDF:10754018.4/44

All: 0.000+/-0.000 χ^2/NDF: 18028730.7/83



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

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

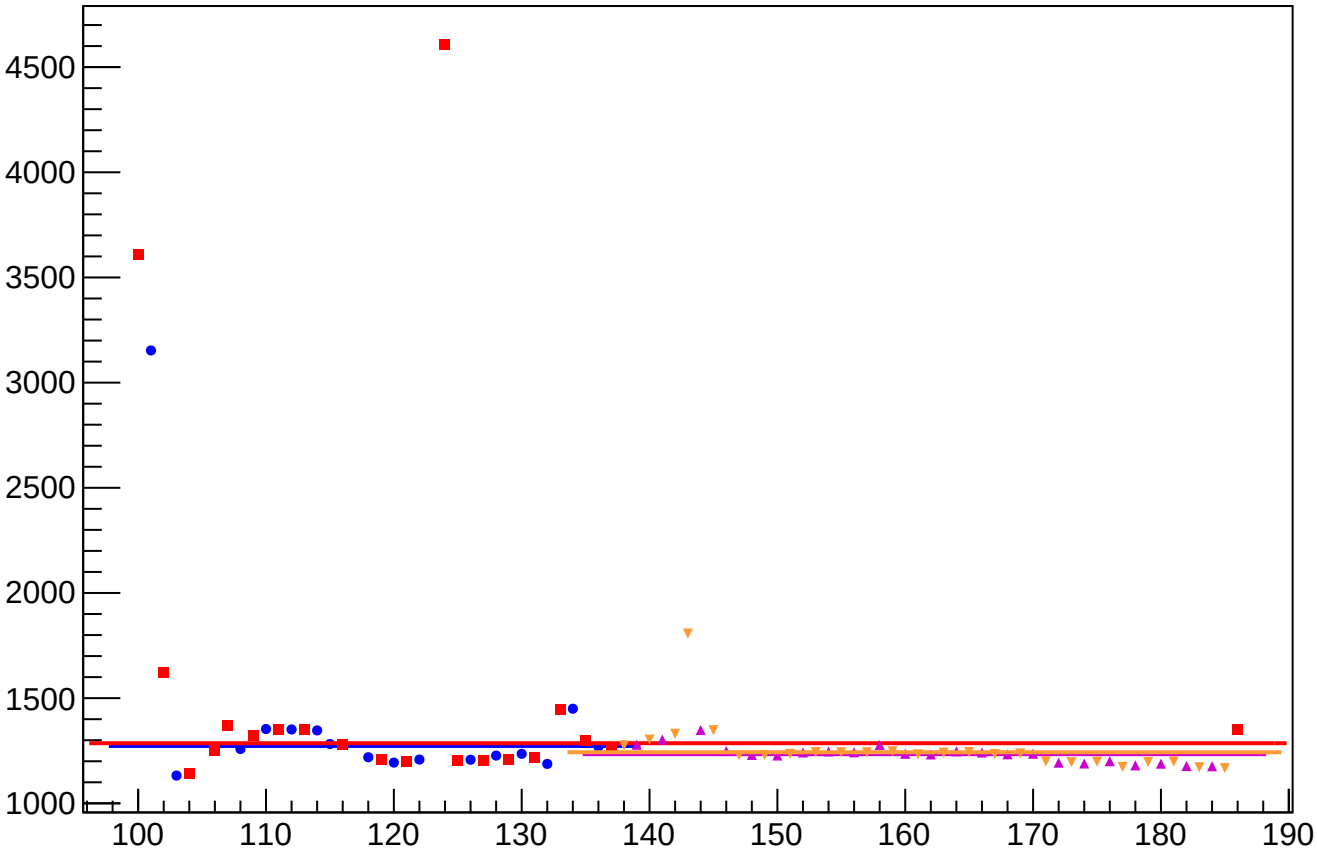
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -21.600+/-336.079 χ^2/NDF: 38.4/35

In: 86.287+/-247.425 χ^2/NDF:33.2/38

Out: -320.922+/-242.263 χ^2/NDF:42.6/44

All: -121.609+/-173.102 χ^2/NDF: 77.2/83



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

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

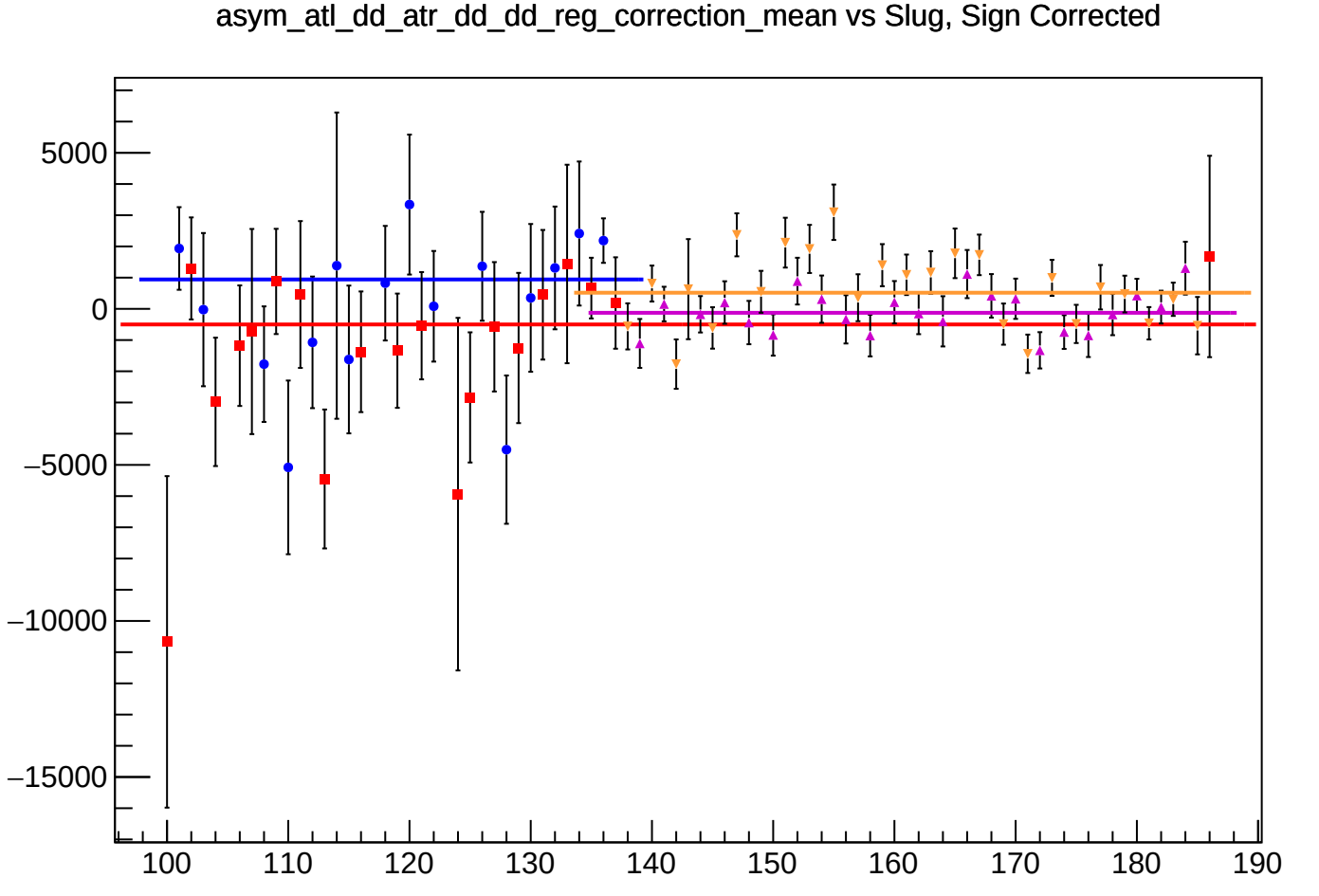
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1279.534+/-0.238 χ^2/NDF: 844288.9/35

In: 1244.024+/-0.175 χ^2/NDF:568238.0/38

Out: 1254.340+/-0.171 χ^2/NDF:539909.3/44

All: 1249.291+/-0.122 χ^2/NDF: 1109922.1/83



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

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

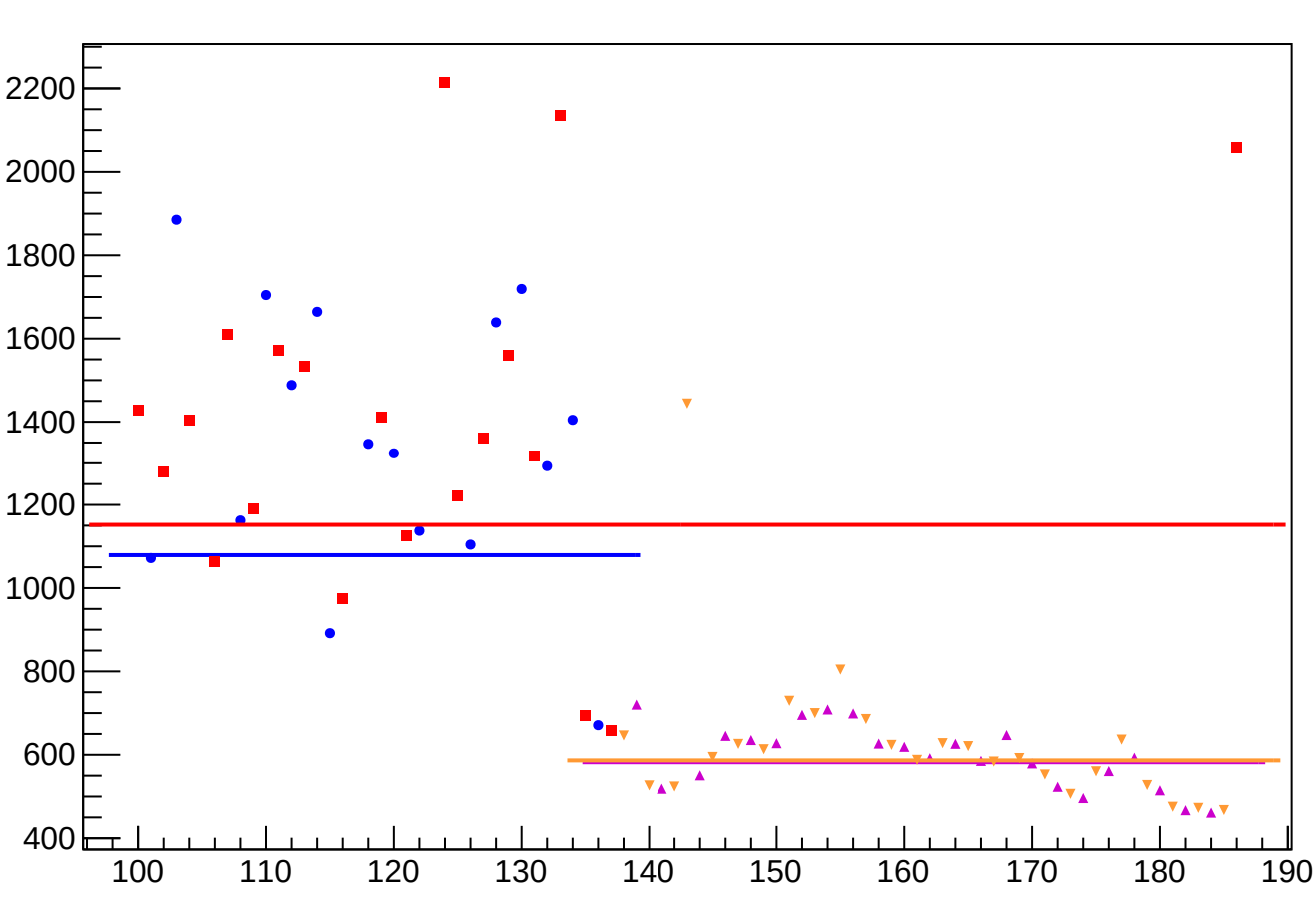
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 237.610+/-304.598 χ^2/NDF: 43.1/35

In: -26.012+/-130.646 χ^2/NDF:47.2/38

Out: 426.880+/-129.606 χ^2/NDF:89.6/44

All: 202.245+/-92.011 χ^2/NDF: 142.8/83



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

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

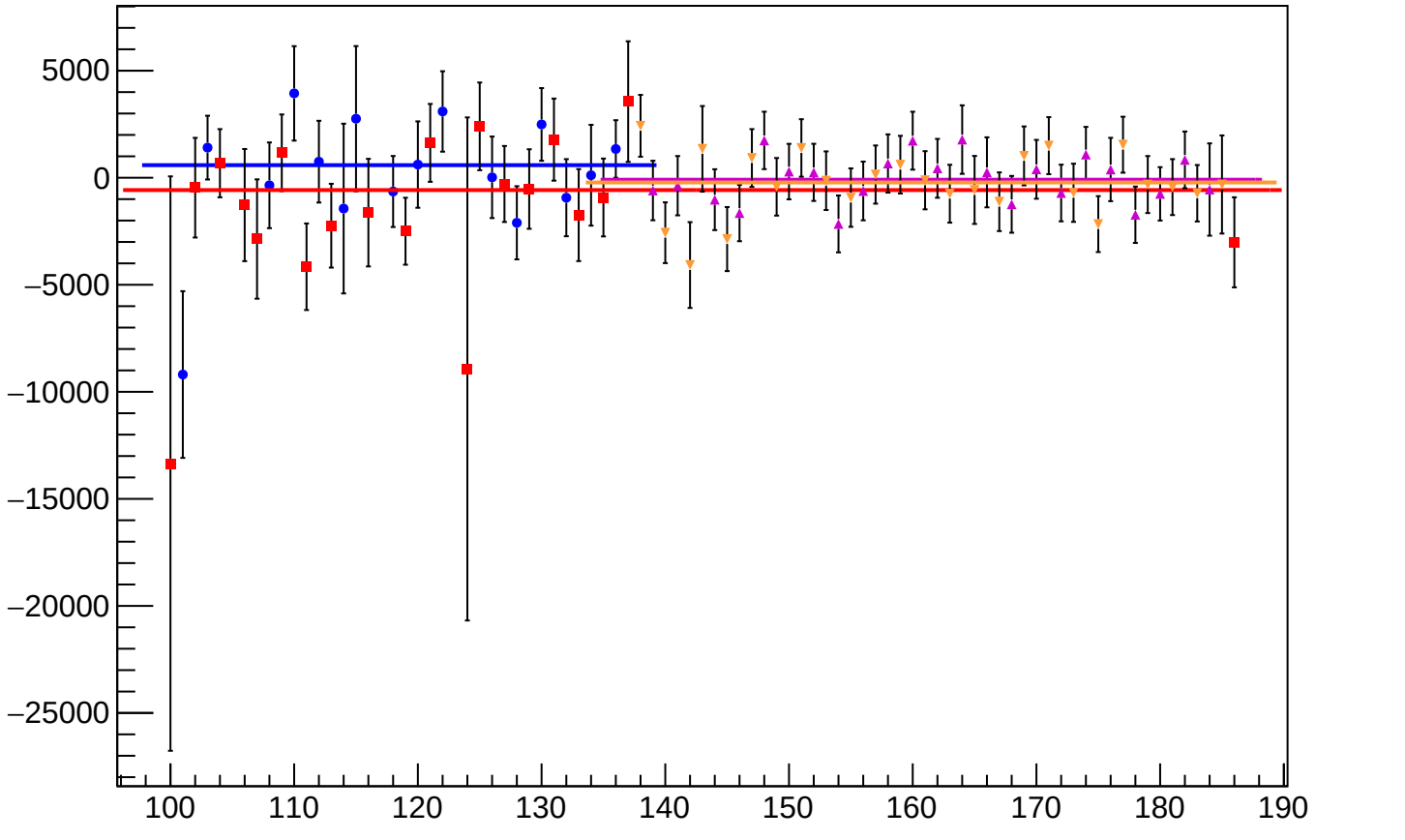
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1114.723+/-0.215 χ^2/NDF: 2964942.9/35

In: 628.964+/-0.092 χ^2/NDF:4508672.9/38

Out: 636.554+/-0.092 χ^2/NDF:5725472.8/44

All: 632.789+/-0.065 χ^2/NDF: 10237547.5/83



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

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

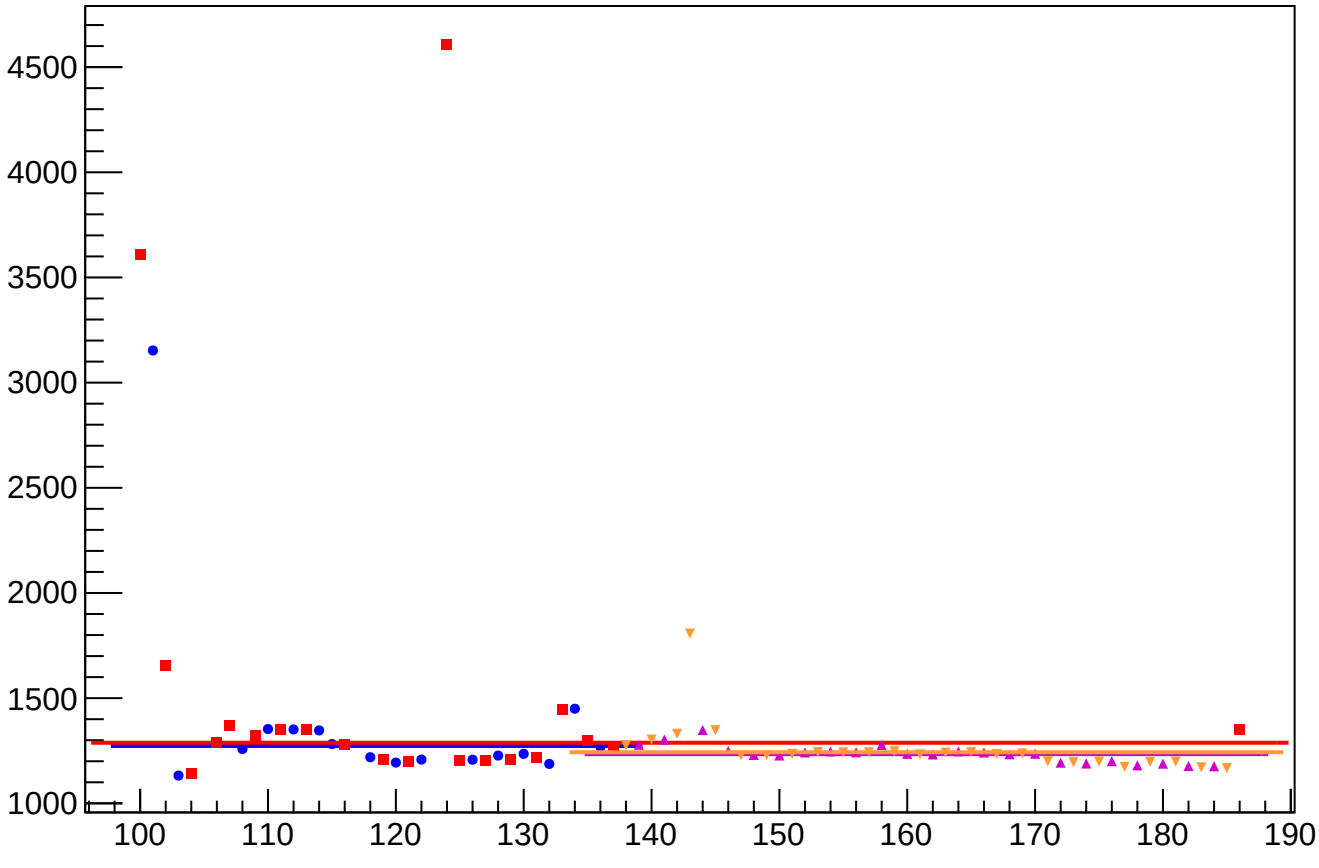
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -10.640+/-336.358 χ^2/NDF: 38.3/35

In: 86.319+/-247.425 χ^2/NDF:33.2/38

Out: -315.596+/-242.368 χ^2/NDF:42.6/44

All: -118.788+/-173.140 χ^2/NDF: 77.1/83



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

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

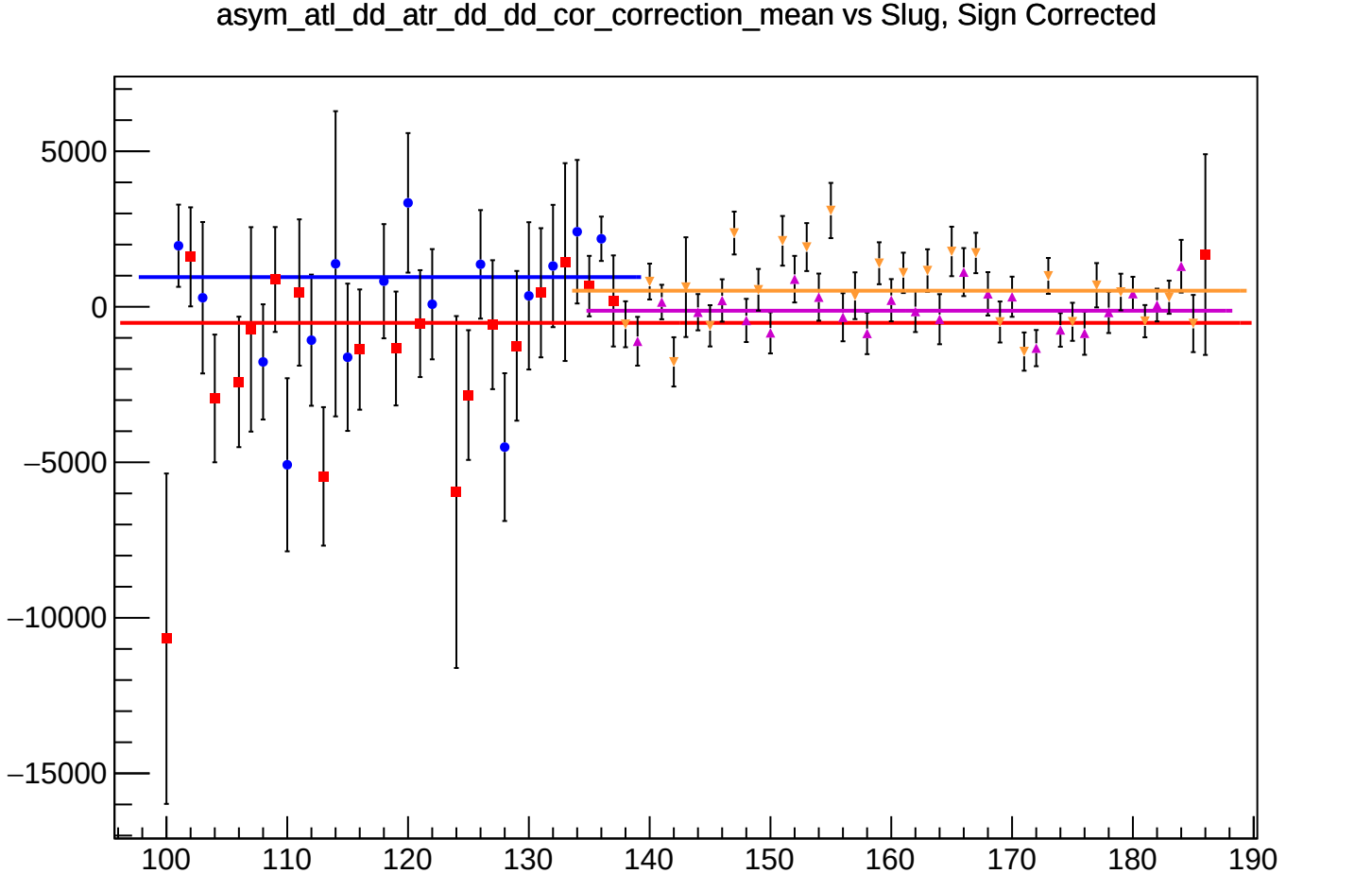
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.647+/-0.238 χ^2/NDF: 851081.7/35

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

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

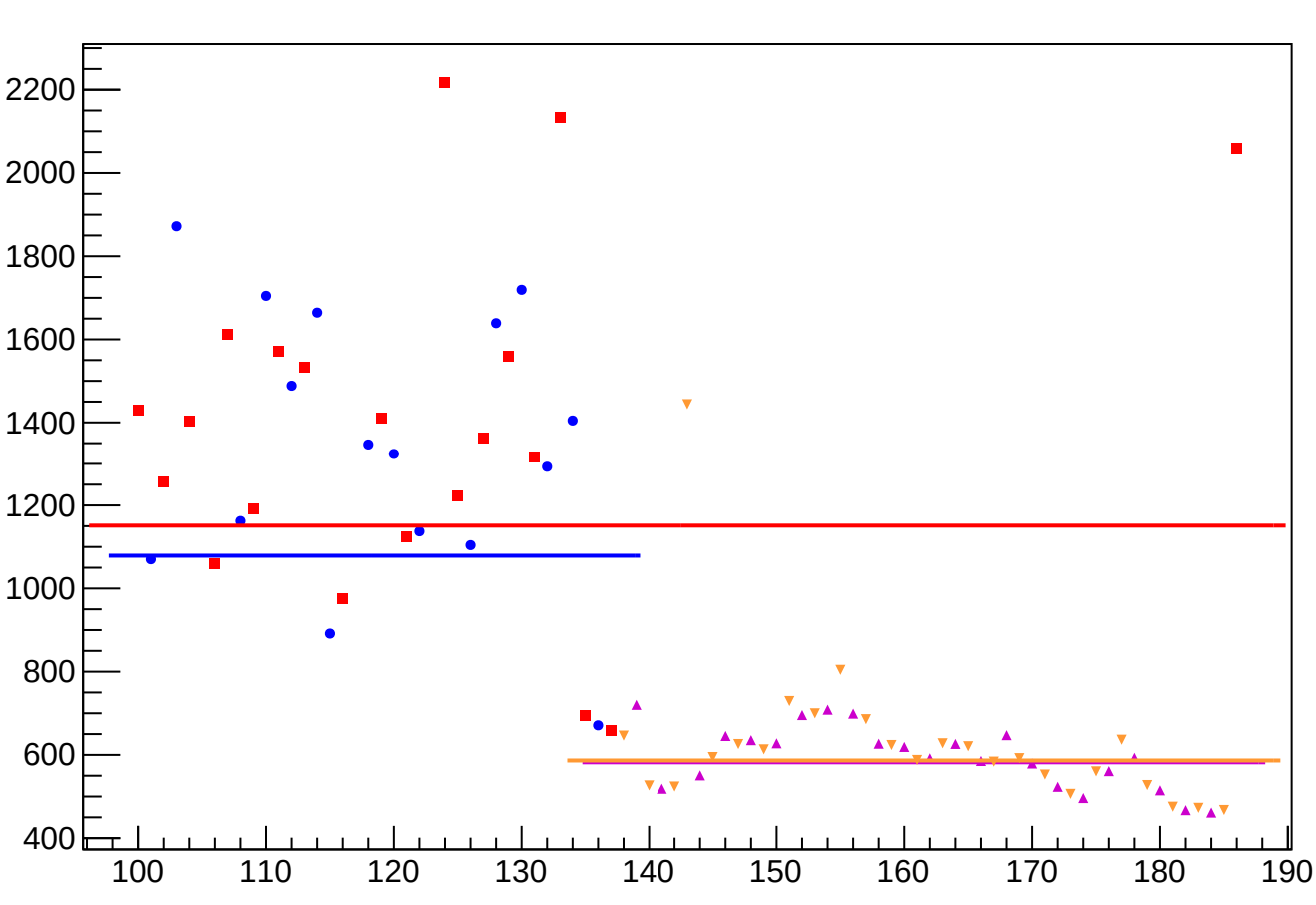
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 237.426+/-304.816 χ^2/NDF: 44.5/35

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 202.238+/-92.017 χ^2/NDF: 144.2/83



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

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

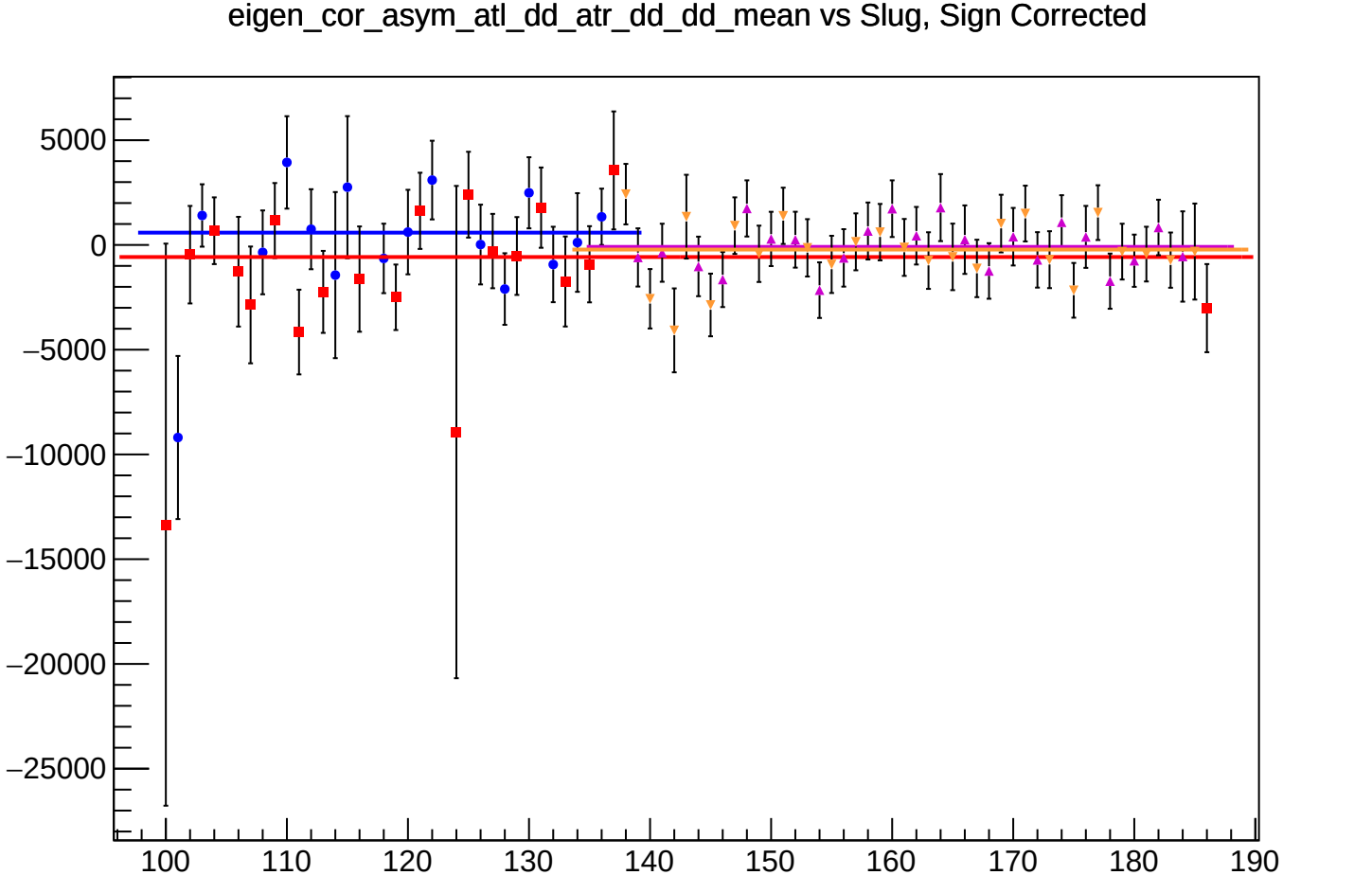
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1114.223+/-0.216 χ^2/NDF: 2957080.4/35

In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

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

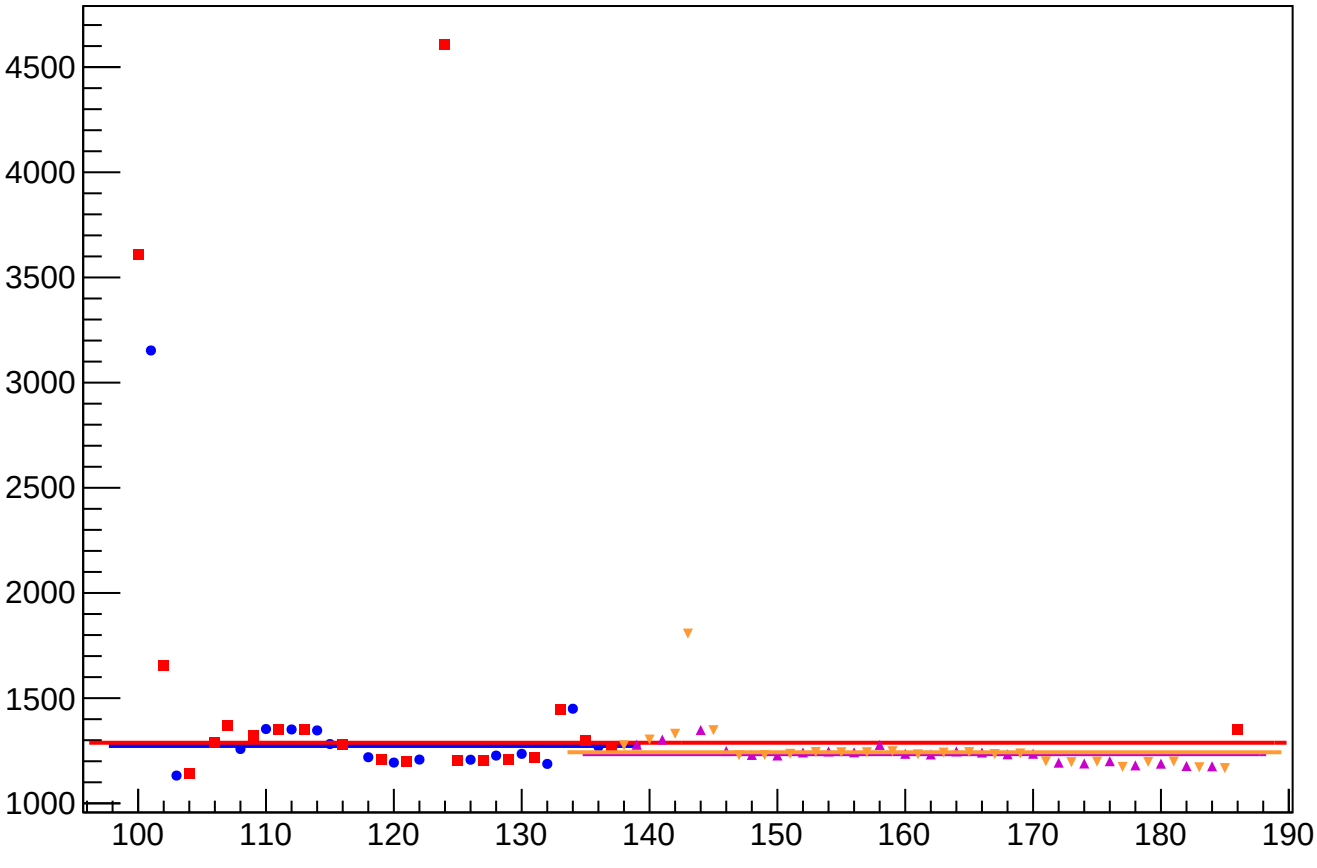
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -10.640+/-336.358 χ^2/NDF: 38.3/35

In: 86.319+/-247.425 χ^2/NDF:33.2/38

Out: -315.596+/-242.368 χ^2/NDF:42.6/44

All: -118.788+/-173.140 χ^2/NDF: 77.1/83



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

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

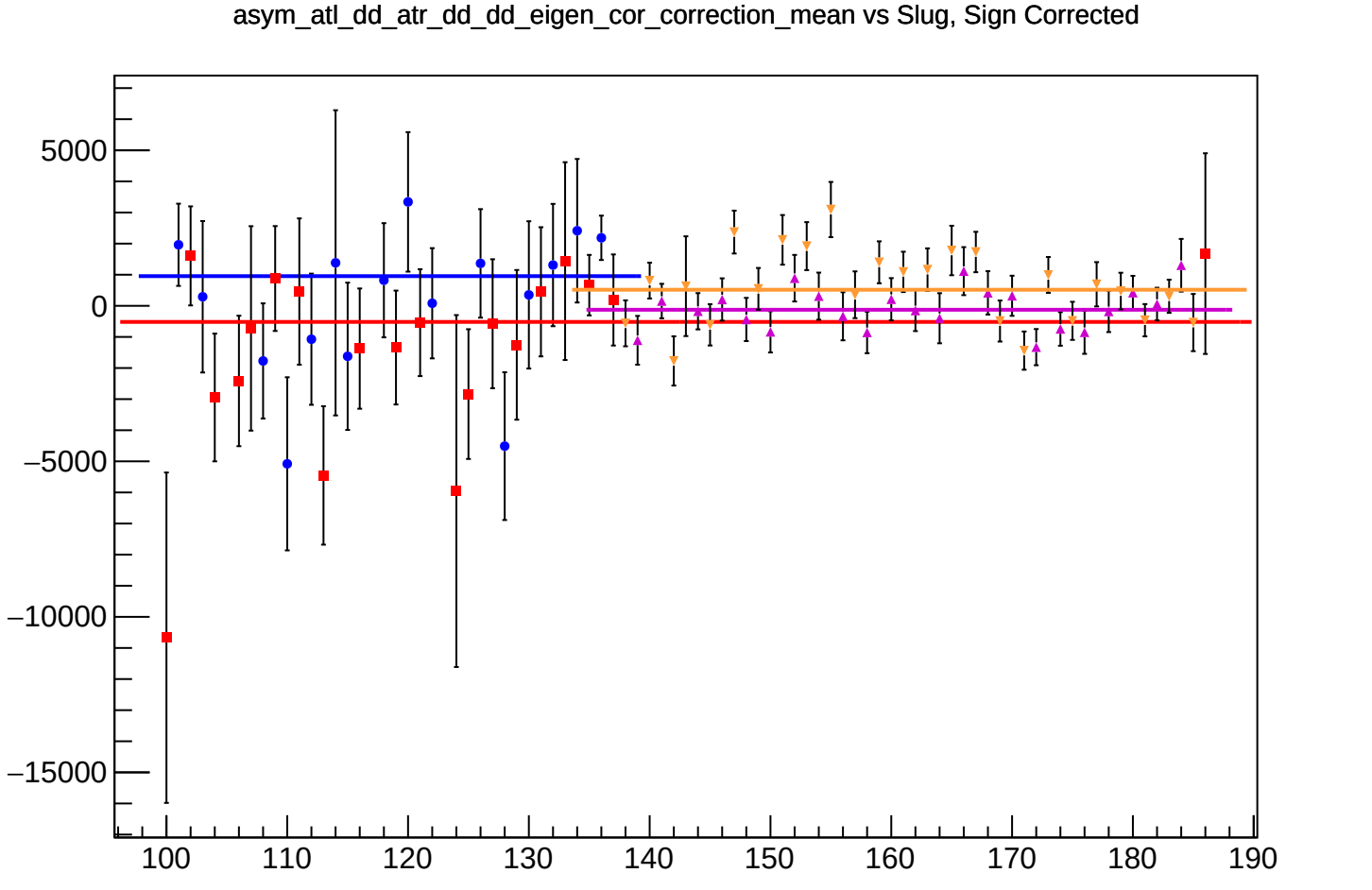
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.647+/-0.238 χ^2/NDF: 851081.7/35

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

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

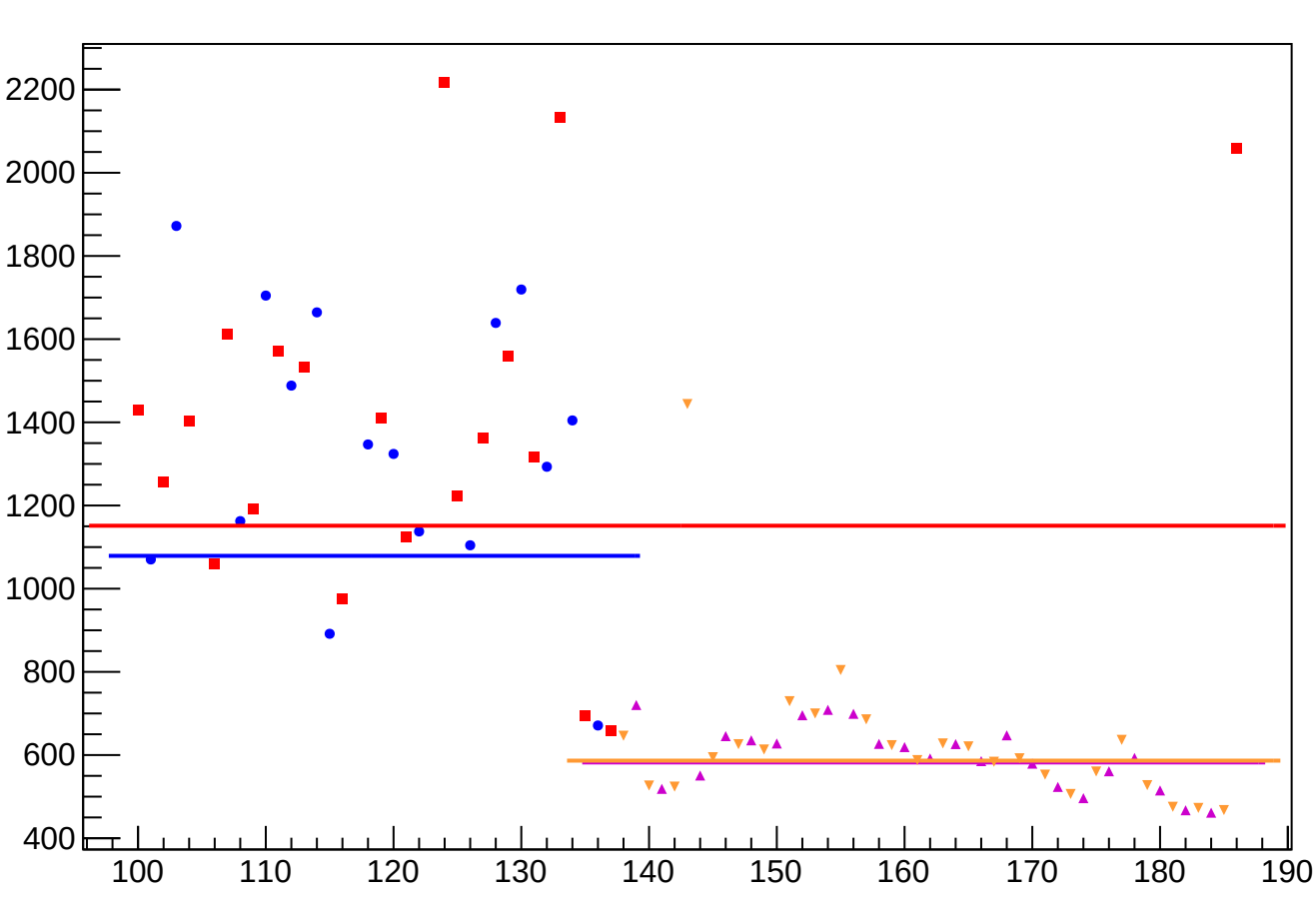
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 237.426+/-304.816 χ^2/NDF: 44.5/35

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 202.238+/-92.017 χ^2/NDF: 144.2/83



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

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

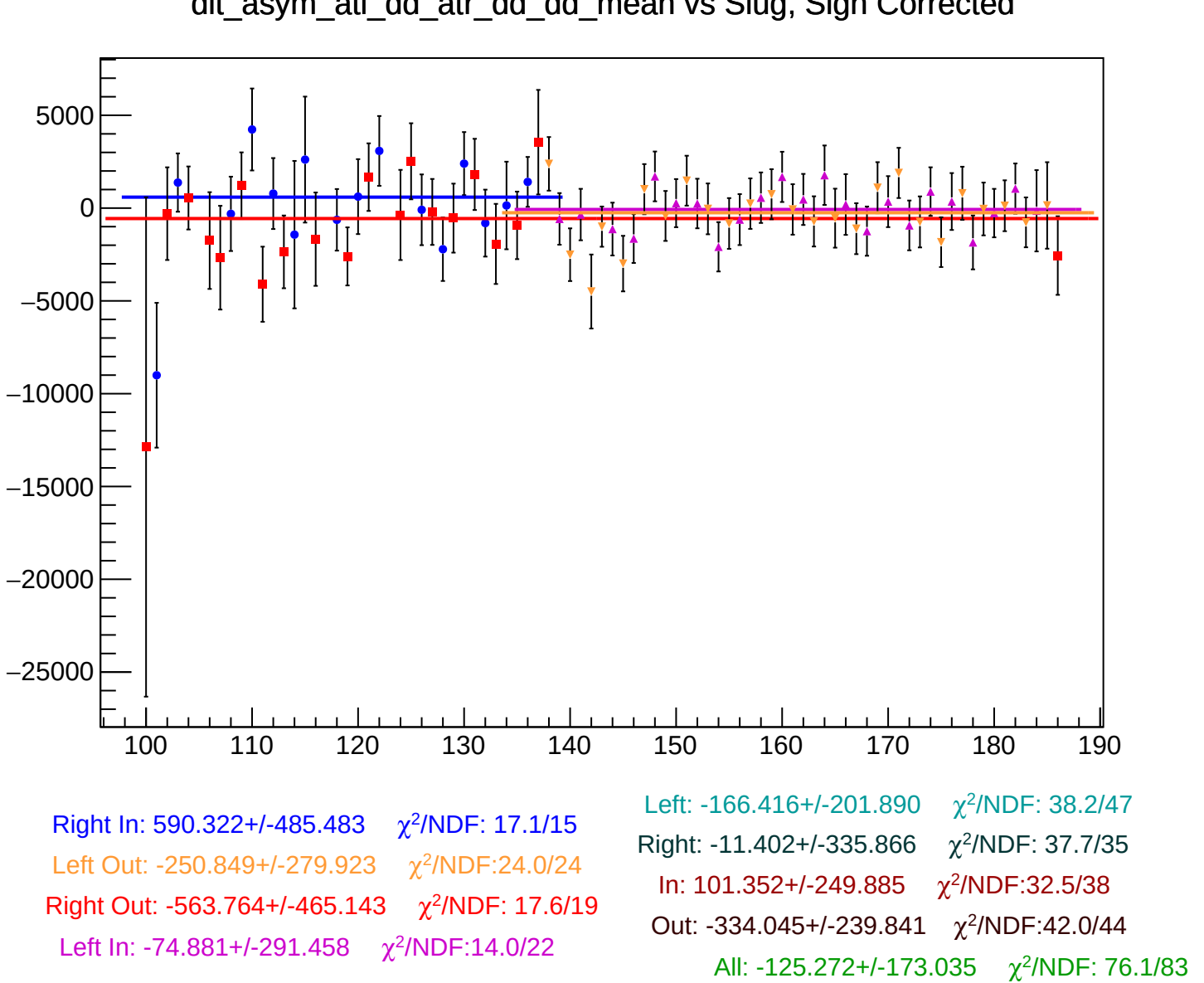
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

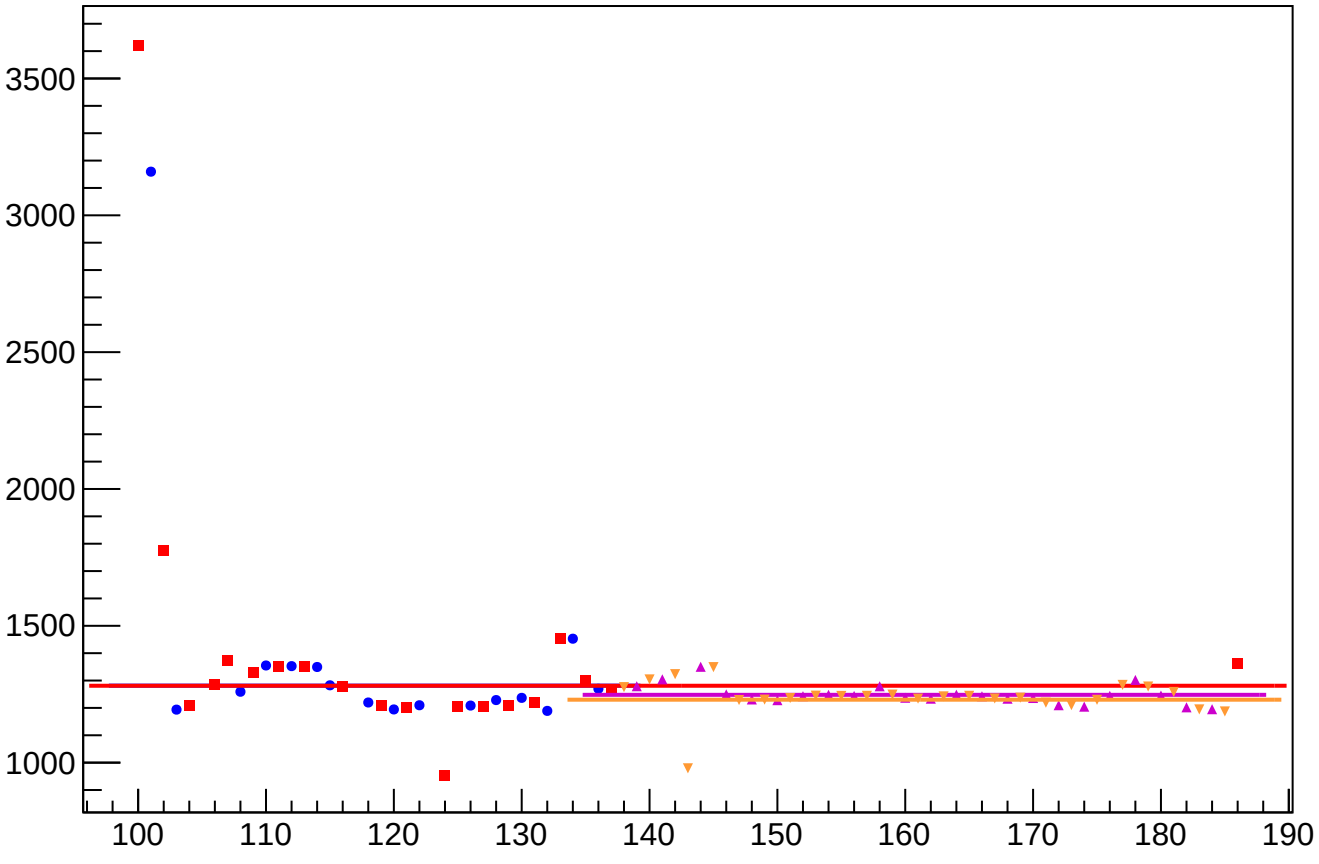
Right: 1114.223+/-0.216 χ^2/NDF: 2957080.4/35

In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
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: -11.402+/-335.866 χ²/NDF: 37.7/35
In: 101.352+/-249.885 χ²/NDF:32.5/38
Out: -334.045+/-239.841 χ²/NDF:42.0/44
All: -125.272+/-173.035 χ²/NDF: 76.1/83



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

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

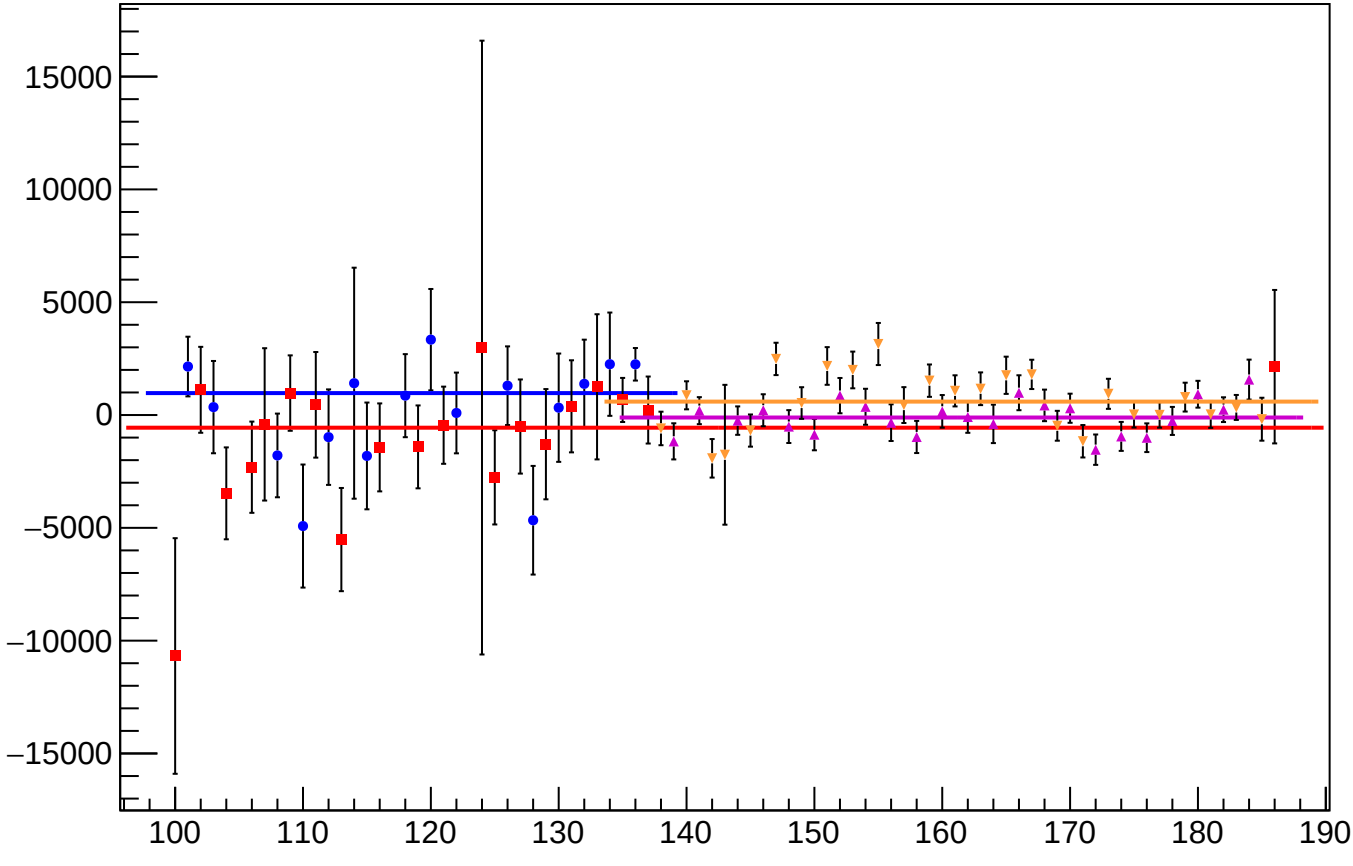
Right: 1281.157+/-0.237 χ^2/NDF: 730658.5/35

In: 1256.683+/-0.177 χ^2/NDF:541454.2/38

Out: 1243.539+/-0.170 χ^2/NDF:382821.1/44

All: 1249.841+/-0.122 χ^2/NDF: 927155.2/83

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

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

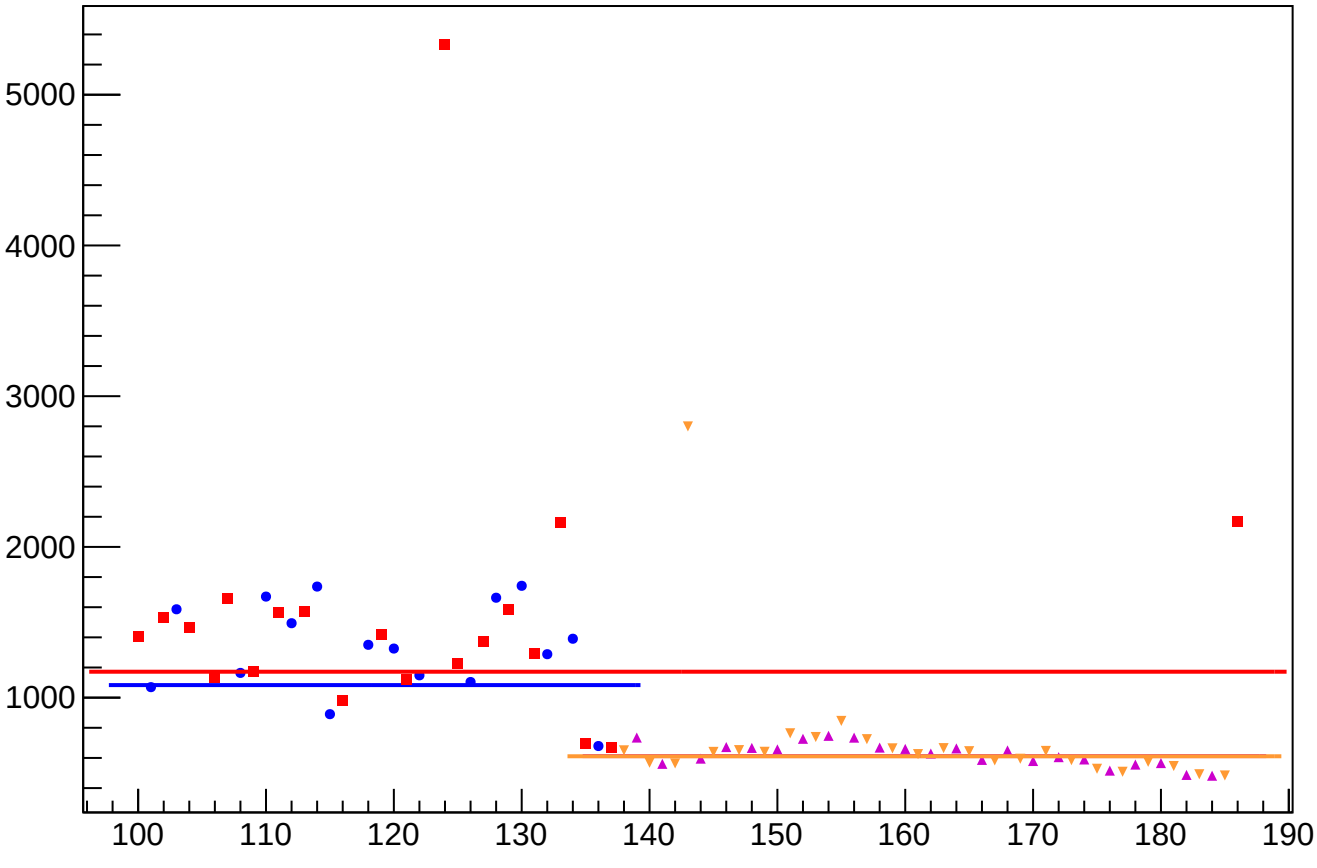
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.329+/-307.068 χ^2/NDF: 44.4/35

In: 1.447+/-136.589 χ^2/NDF:52.0/38

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.646+/-96.146 χ^2/NDF: 139.6/83



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

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

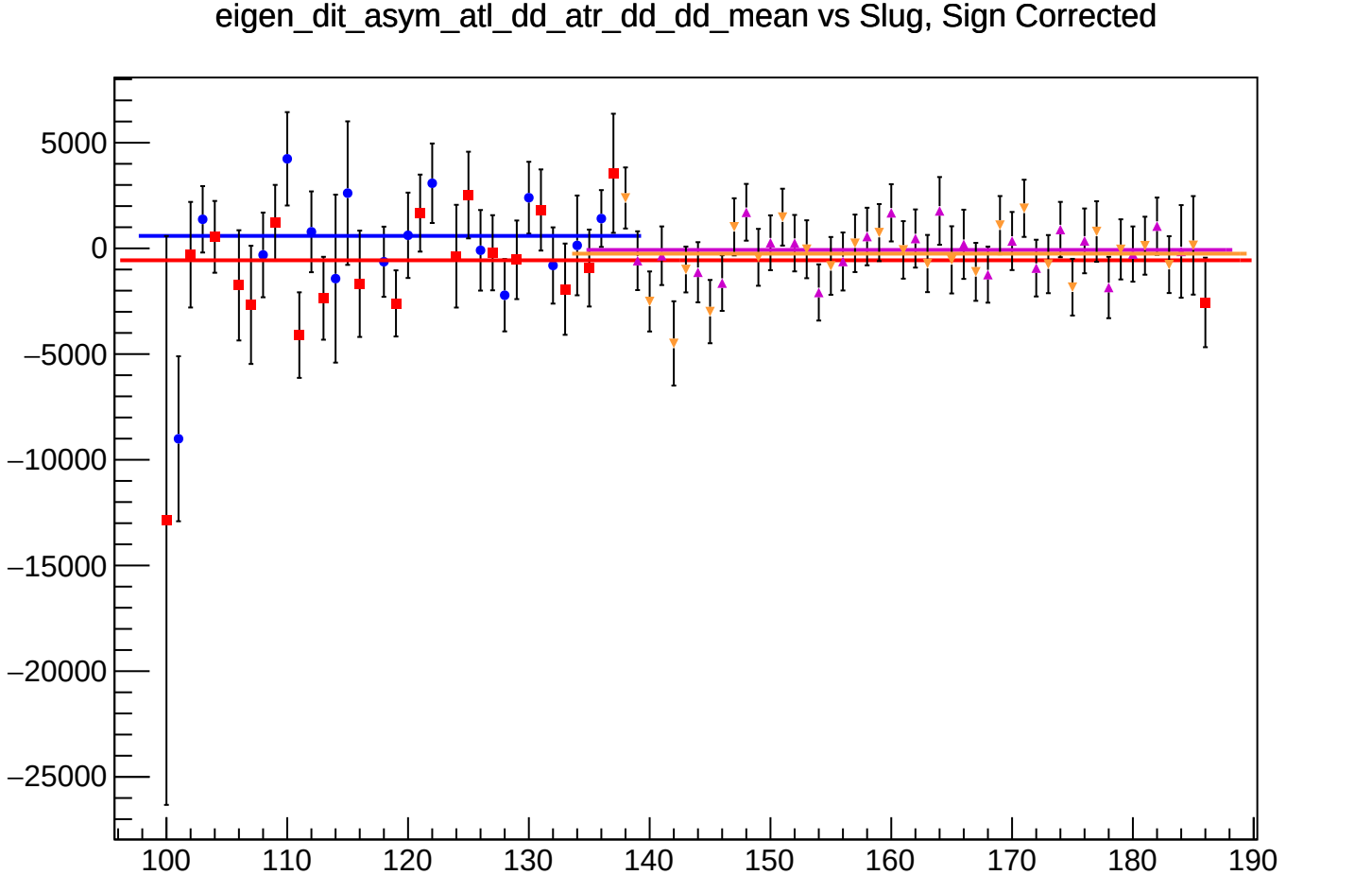
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1125.777+/-0.217 χ^2/NDF: 3065488.0/35

In: 660.991+/-0.097 χ^2/NDF:4068799.9/38

Out: 663.246+/-0.096 χ^2/NDF:6179760.3/44

All: 662.129+/-0.068 χ^2/NDF: 10248835.2/83



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -563.761+/-465.143 χ^2/NDF: 17.6/19

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

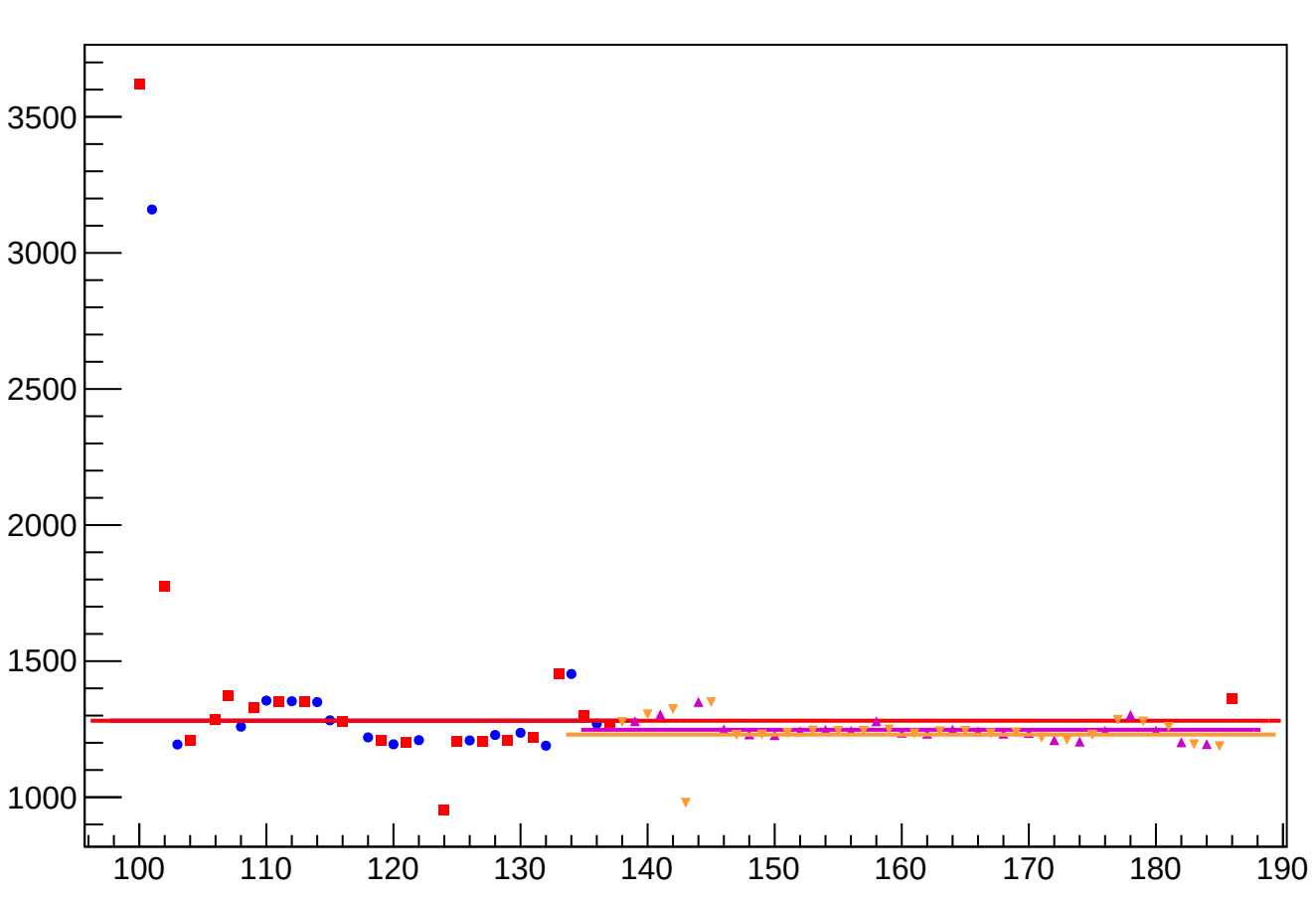
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -11.400+/-335.866 χ^2/NDF: 37.7/35

In: 101.352+/-249.885 χ^2/NDF:32.5/38

Out: -334.045+/-239.841 χ^2/NDF:42.0/44

All: -125.272+/-173.035 χ^2/NDF: 76.1/83



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

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

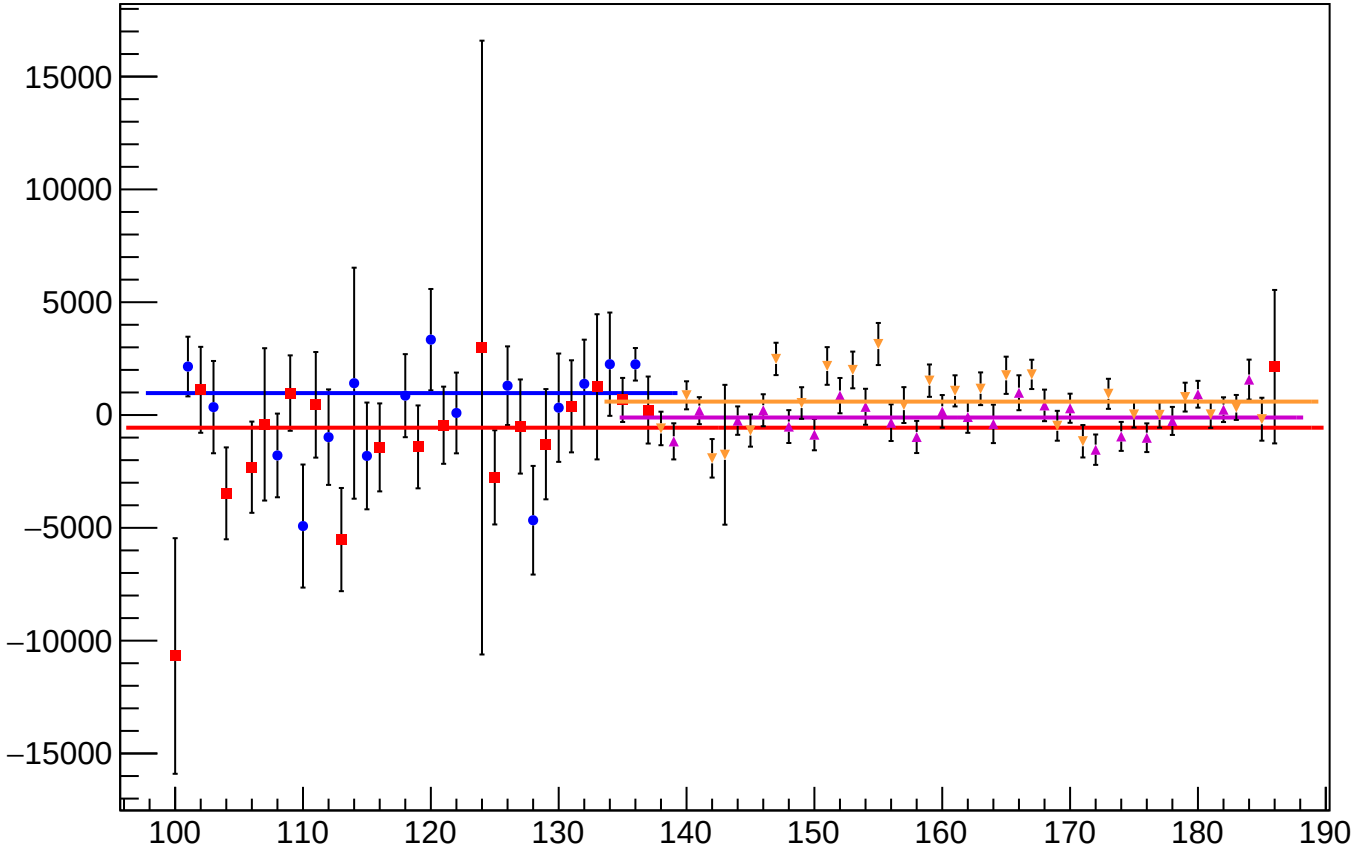
Right: 1281.156+/-0.237 χ^2/NDF: 730658.6/35

In: 1256.682+/-0.177 χ^2/NDF:541454.3/38

Out: 1243.539+/-0.170 χ^2/NDF:382820.0/44

All: 1249.841+/-0.122 χ^2/NDF: 927154.2/83

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 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

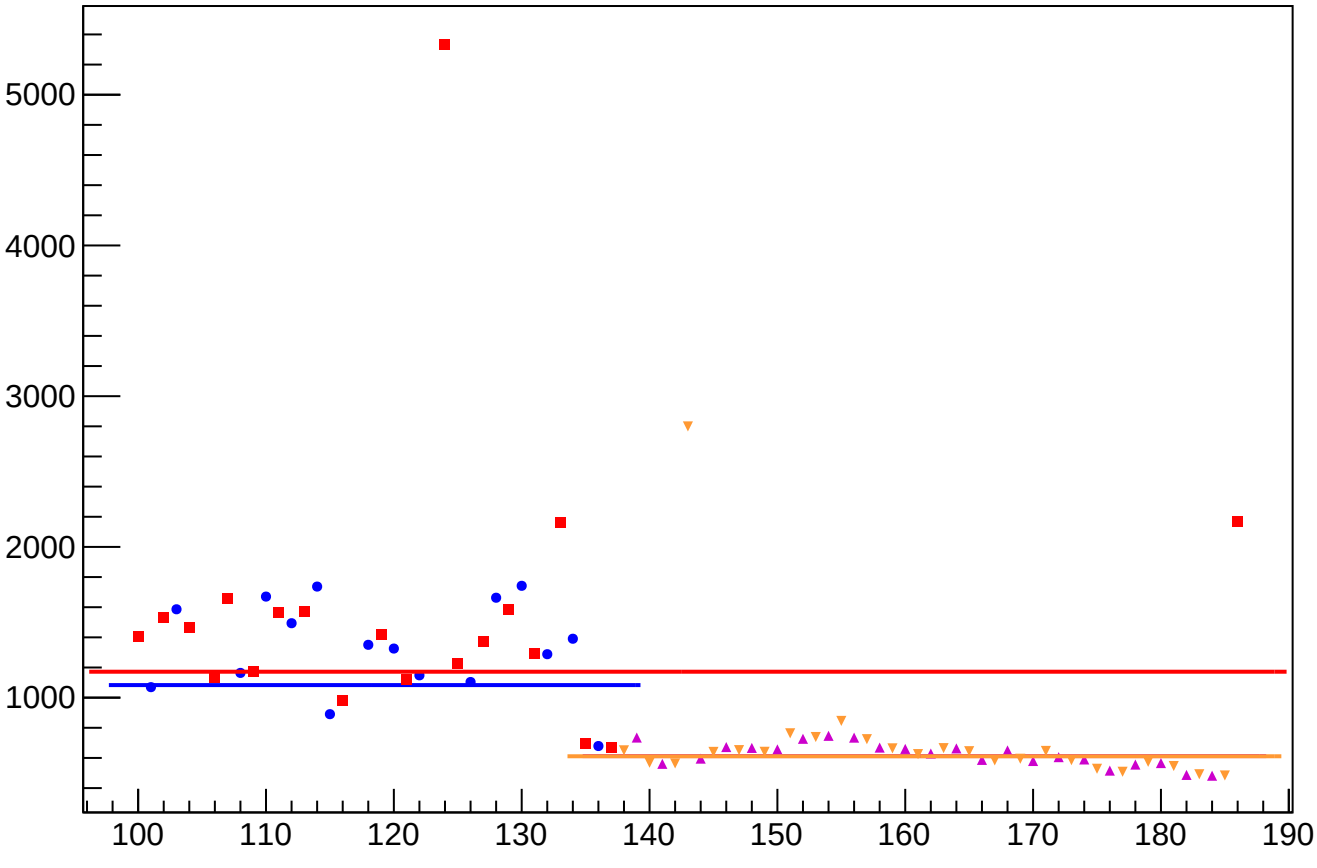
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.322+/-307.069 χ^2/NDF: 44.4/35

In: 1.446+/-136.589 χ^2/NDF:52.0/38

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.646+/-96.146 χ^2/NDF: 139.6/83



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

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

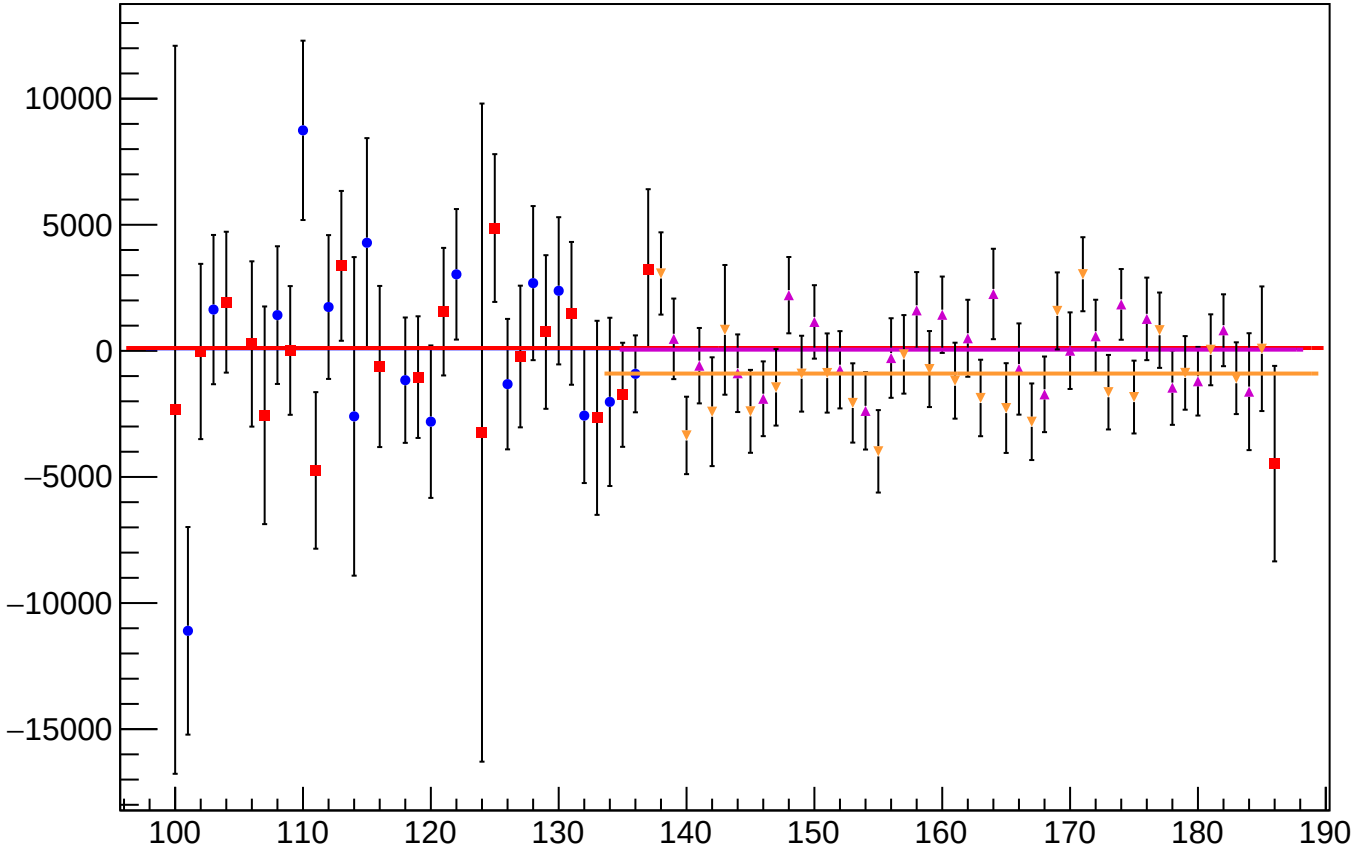
Right: 1125.784+/-0.217 χ^2/NDF: 3065375.4/35

In: 660.991+/-0.097 χ^2/NDF:4068796.6/38

Out: 663.246+/-0.096 χ^2/NDF:6179758.1/44

All: 662.129+/-0.068 χ^2/NDF: 10248829.9/83

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

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

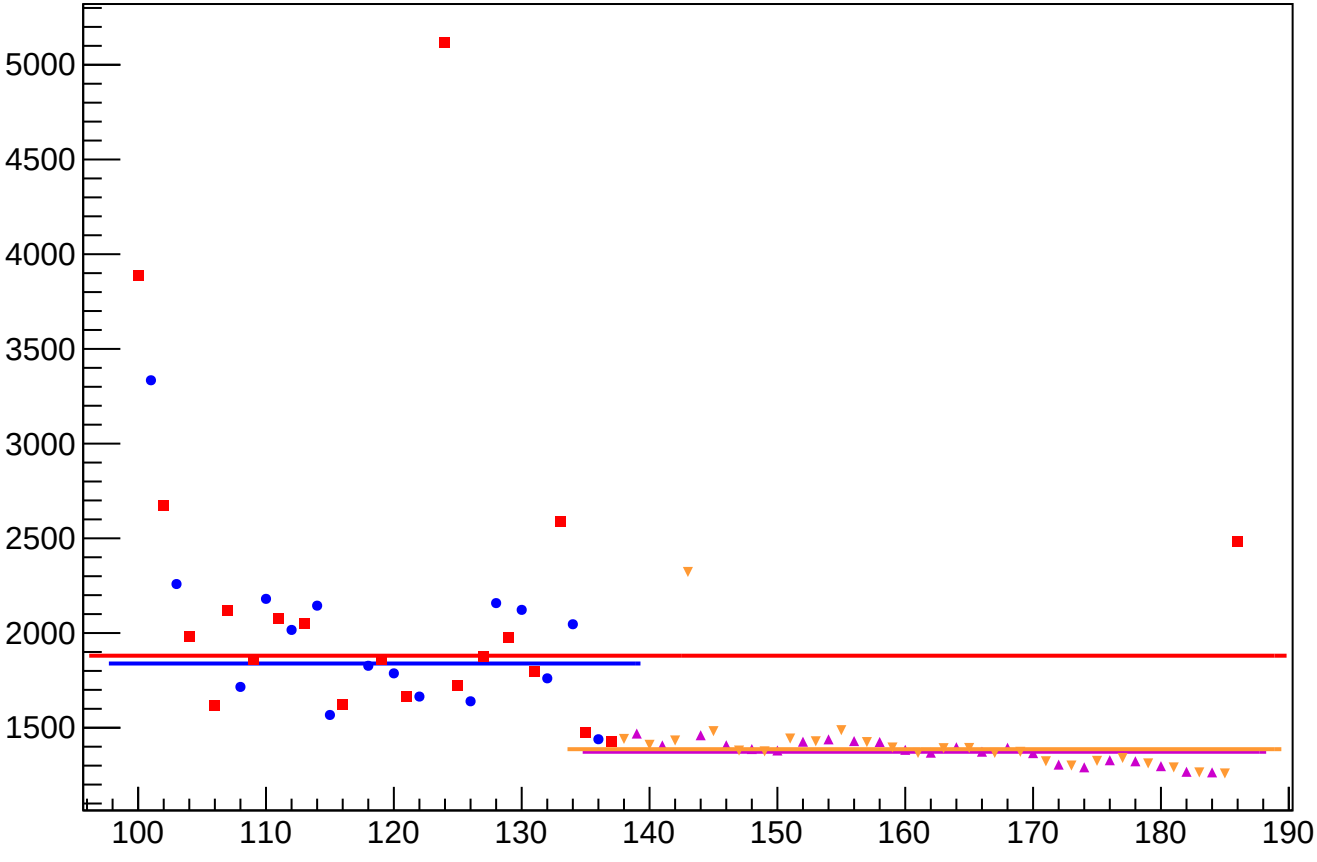
Right: 106.975+/-490.541 χ^2/NDF: 33.1/35

In: 57.279+/-291.656 χ^2/NDF:39.2/38

Out: -723.224+/-287.539 χ^2/NDF:43.4/44

All: -338.521+/-204.761 χ^2/NDF: 86.2/83

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 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

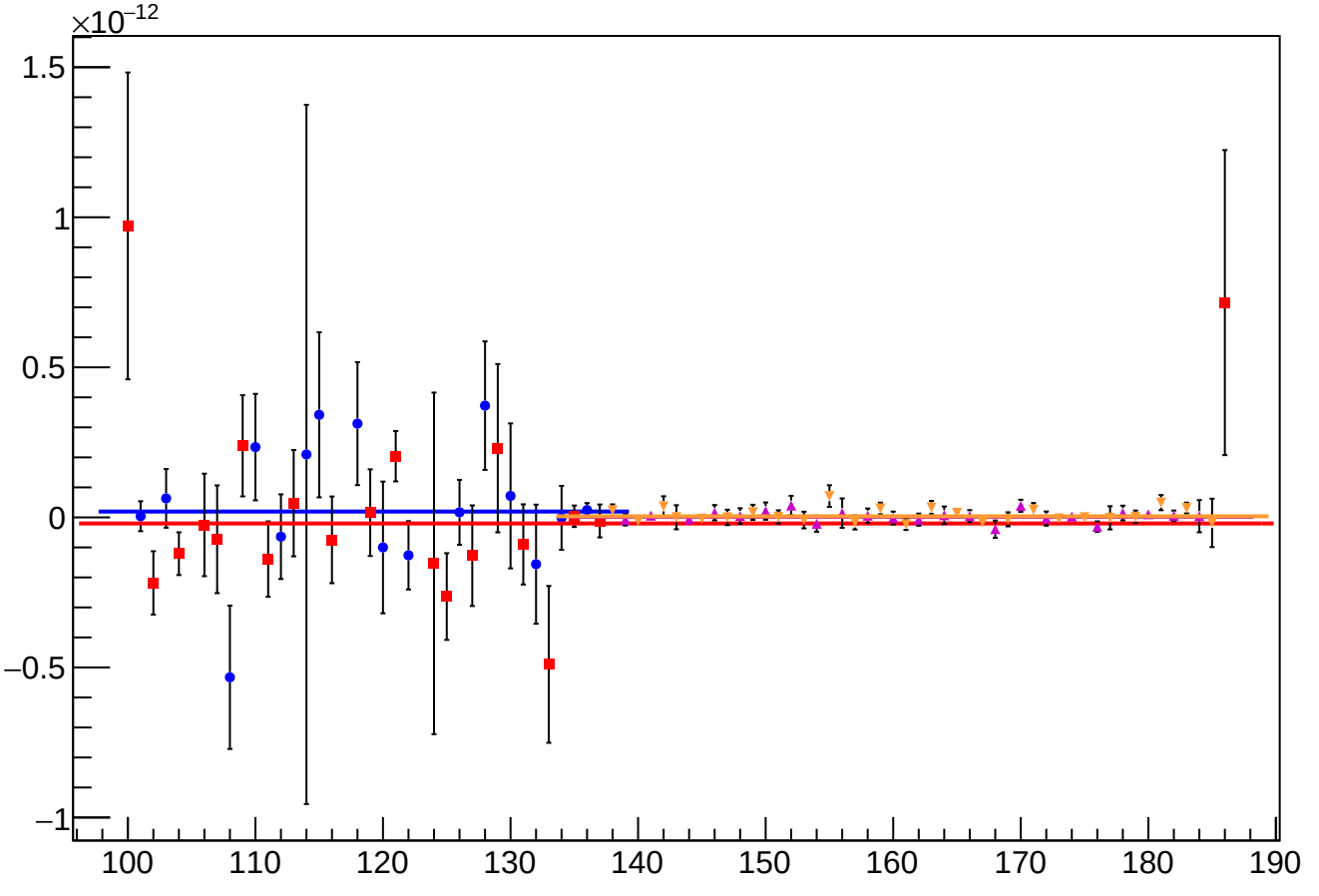
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1860.045+/-0.347 χ^2/NDF: 1132118.9/35

In: 1454.331+/-0.206 χ^2/NDF:1355034.6/38

Out: 1472.899+/-0.203 χ^2/NDF:1759851.4/44

All: 1463.747+/-0.145 χ^2/NDF: 3118996.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

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

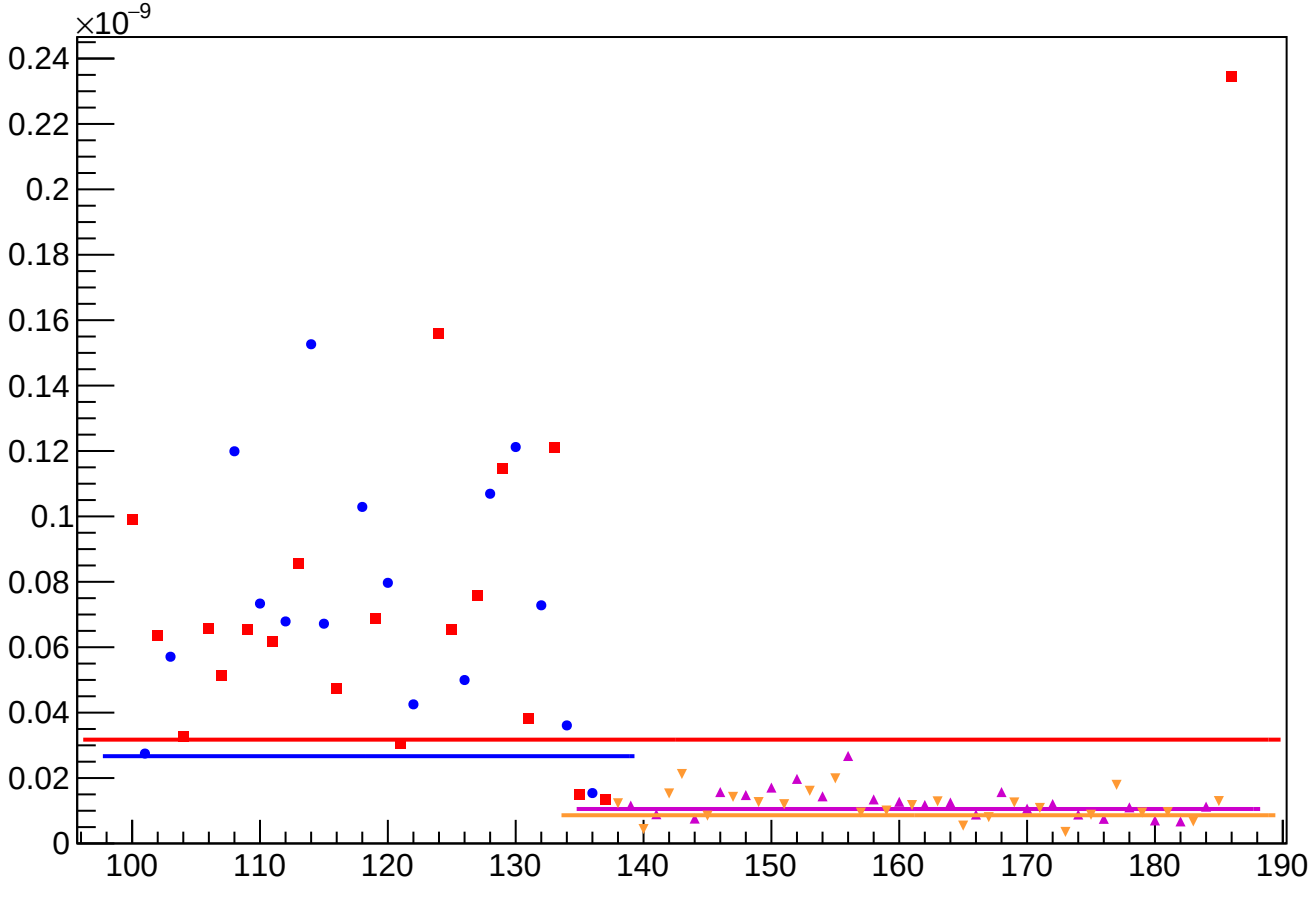
Right: 0.000+/-0.000 χ^2/NDF: 48.6/35

In: 0.000+/-0.000 χ^2/NDF:30.8/38

Out: 0.000+/-0.000 χ^2/NDF:56.2/44

All: 0.000+/-0.000 χ^2/NDF: 87.0/83

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

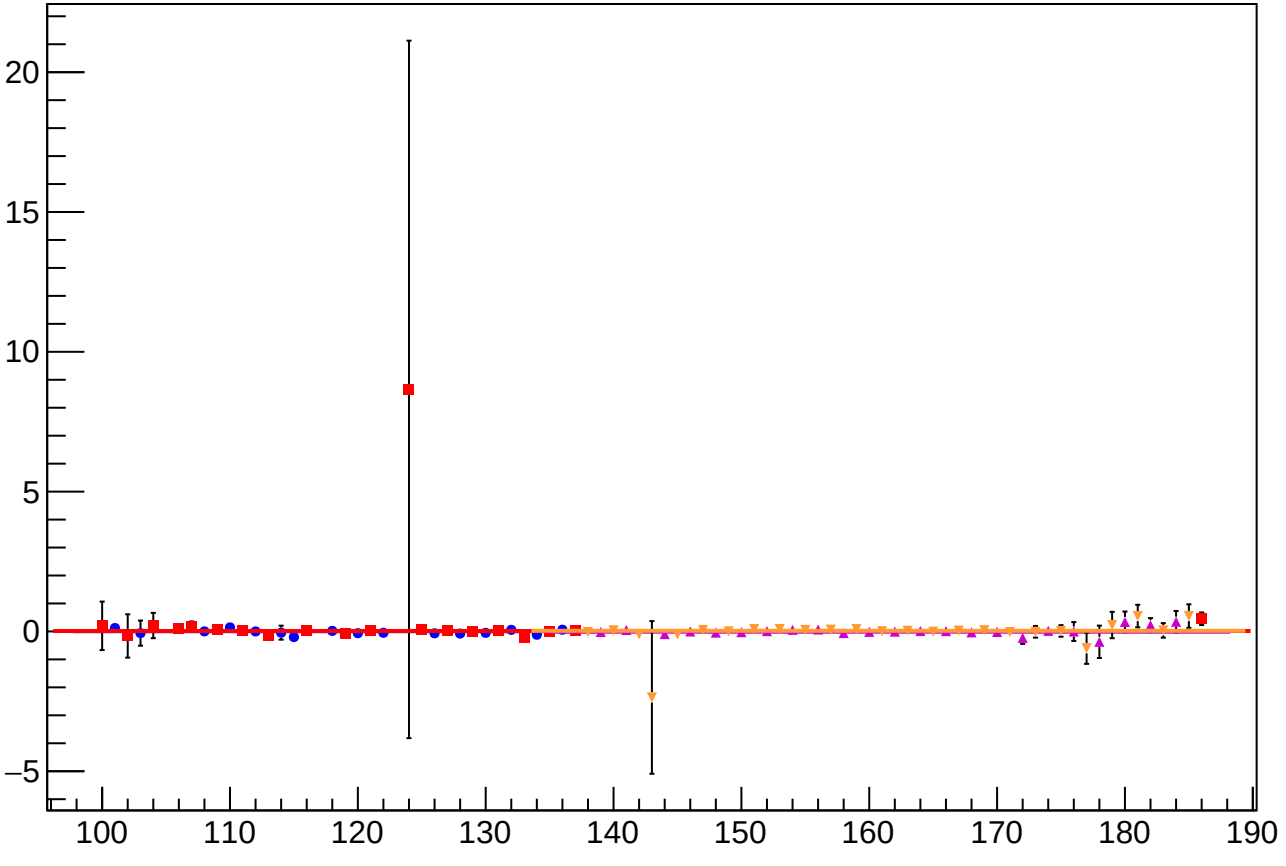
Right: 0.000+/-0.000 χ^2/NDF: 5235407.6/35

In: 0.000+/-0.000 χ^2/NDF:5211271.2/38

Out: 0.000+/-0.000 χ^2/NDF:6835385.2/44

All: 0.000+/-0.000 χ^2/NDF: 12316531.2/83

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

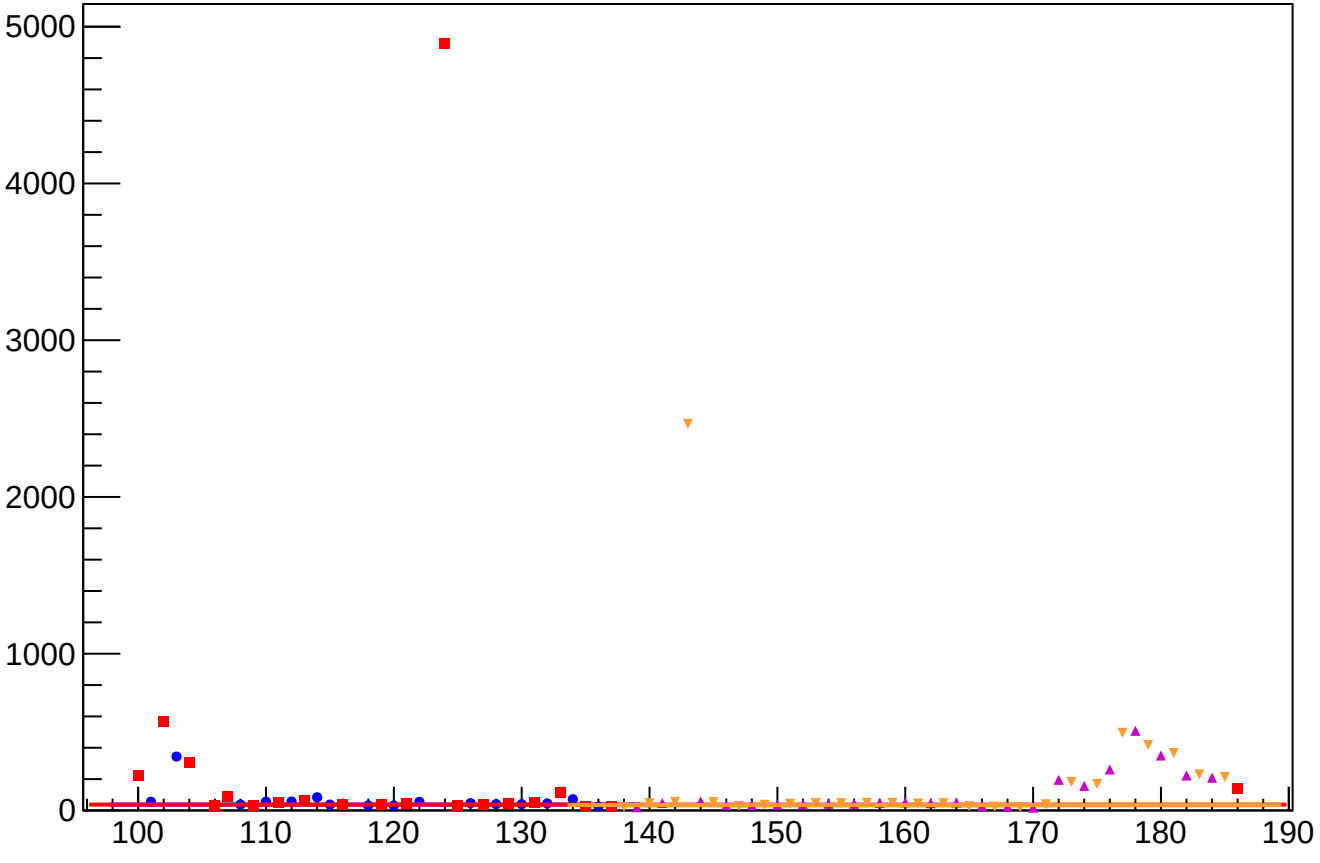
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 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

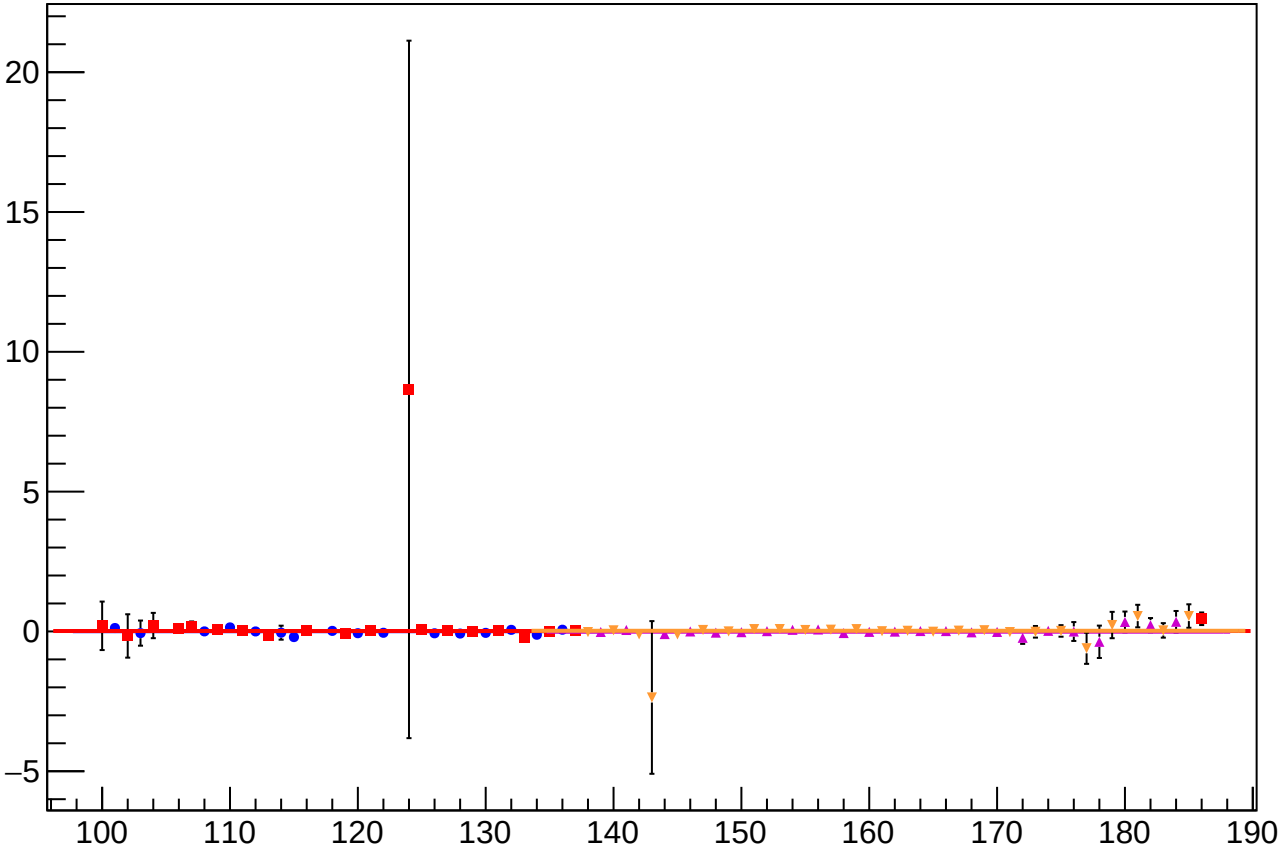
Right: 37.420+/-0.008 χ^2/NDF: 5615152.1/35

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

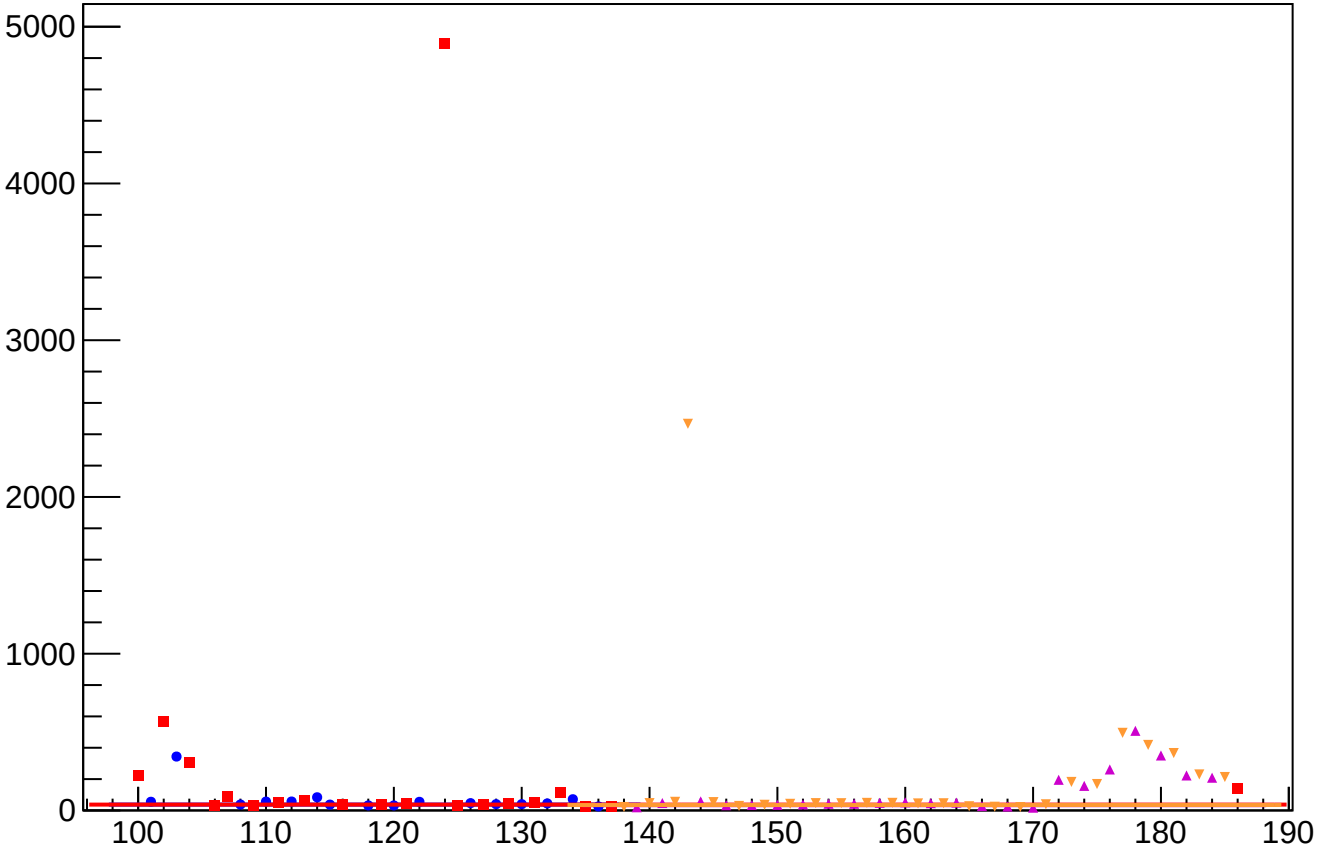
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 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

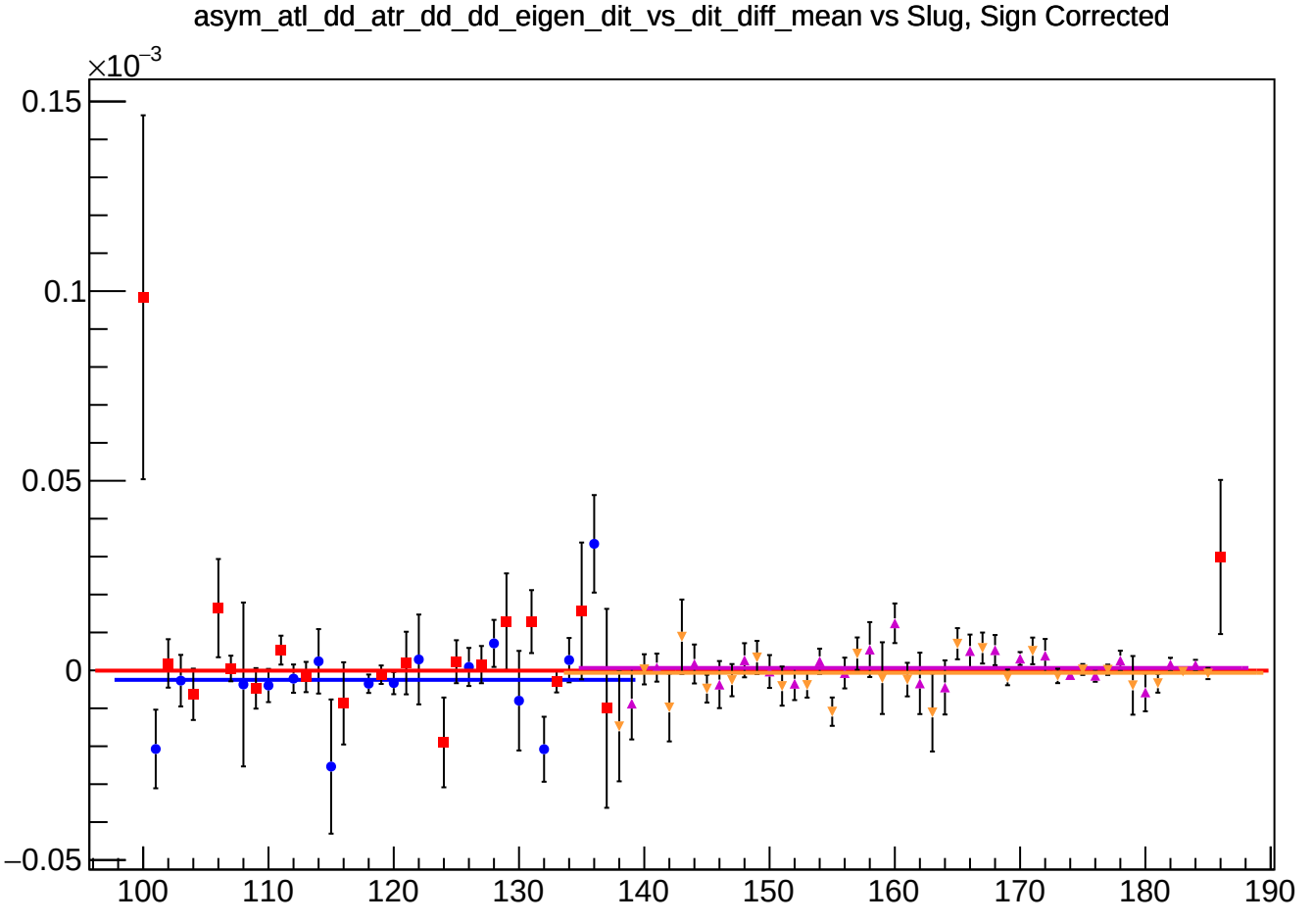
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.420+/-0.008 χ^2/NDF: 5615152.1/35

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

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

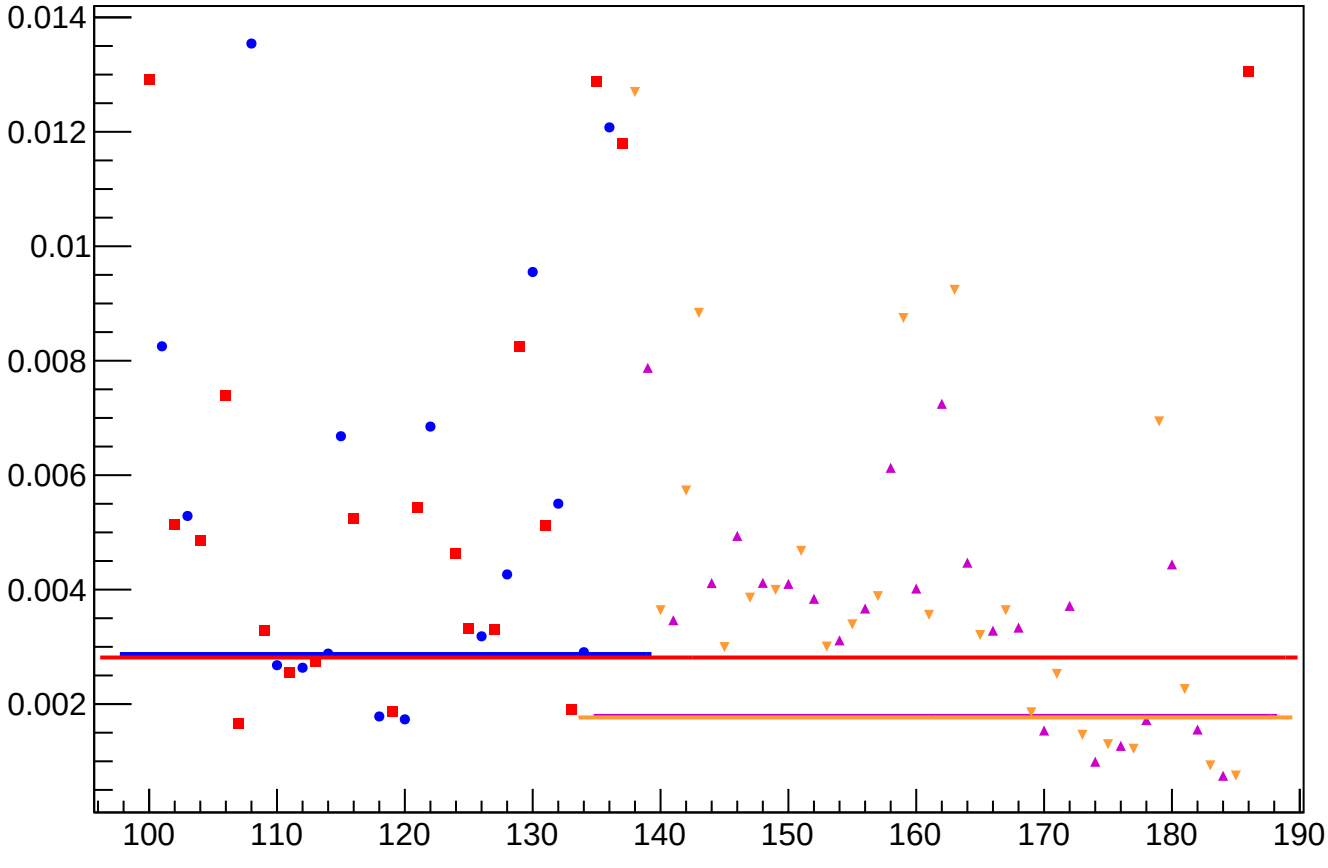
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 44.8/35

In: 0.000+/-0.000 χ^2/NDF:48.7/38

Out: -0.000+/-0.000 χ^2/NDF:49.6/44

All: -0.000+/-0.000 χ^2/NDF: 99.4/83



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

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

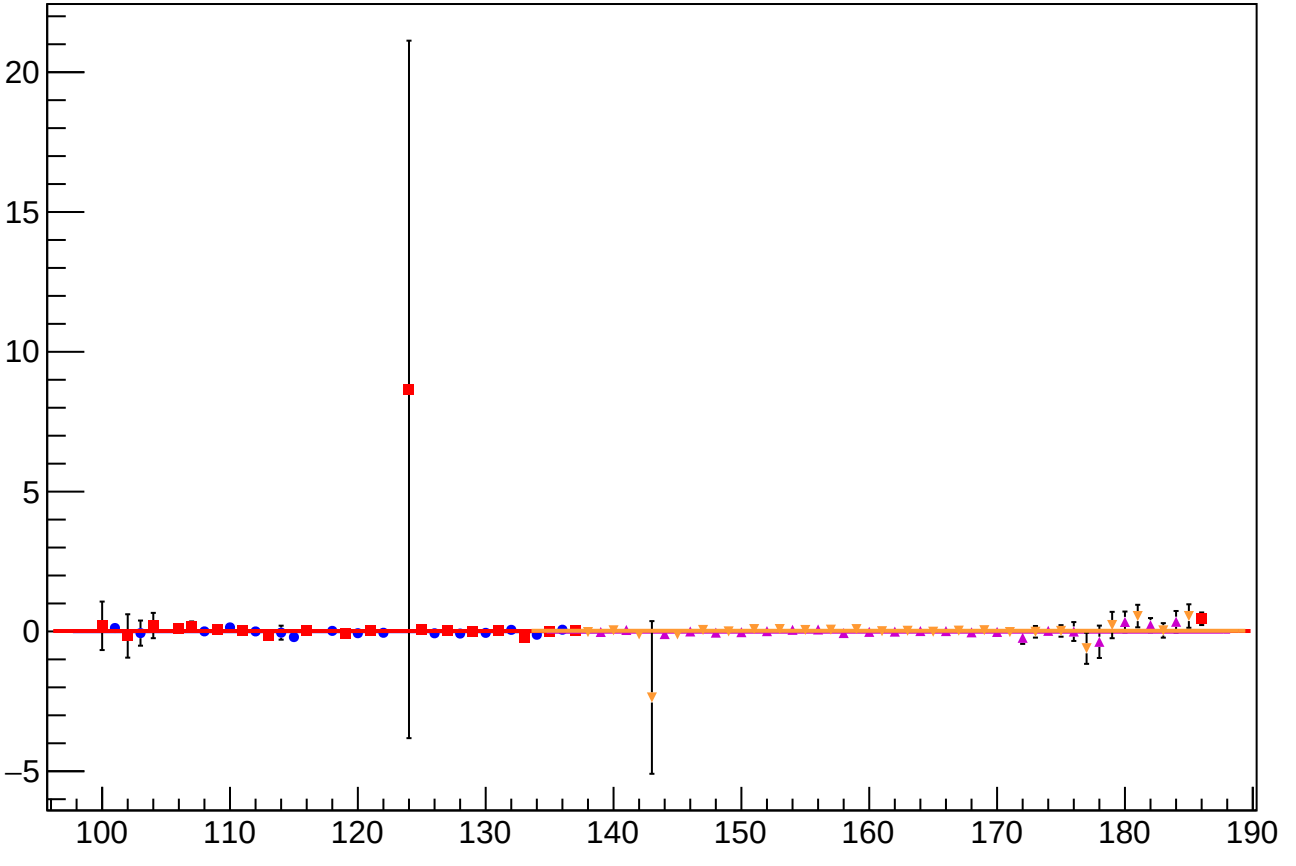
Right: 0.003+/-0.000 χ^2/NDF: 7975931.0/35

In: 0.002+/-0.000 χ^2/NDF:16088318.2/38

Out: 0.002+/-0.000 χ^2/NDF:18089679.1/44

All: 0.002+/-0.000 χ^2/NDF: 34179546.9/83

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

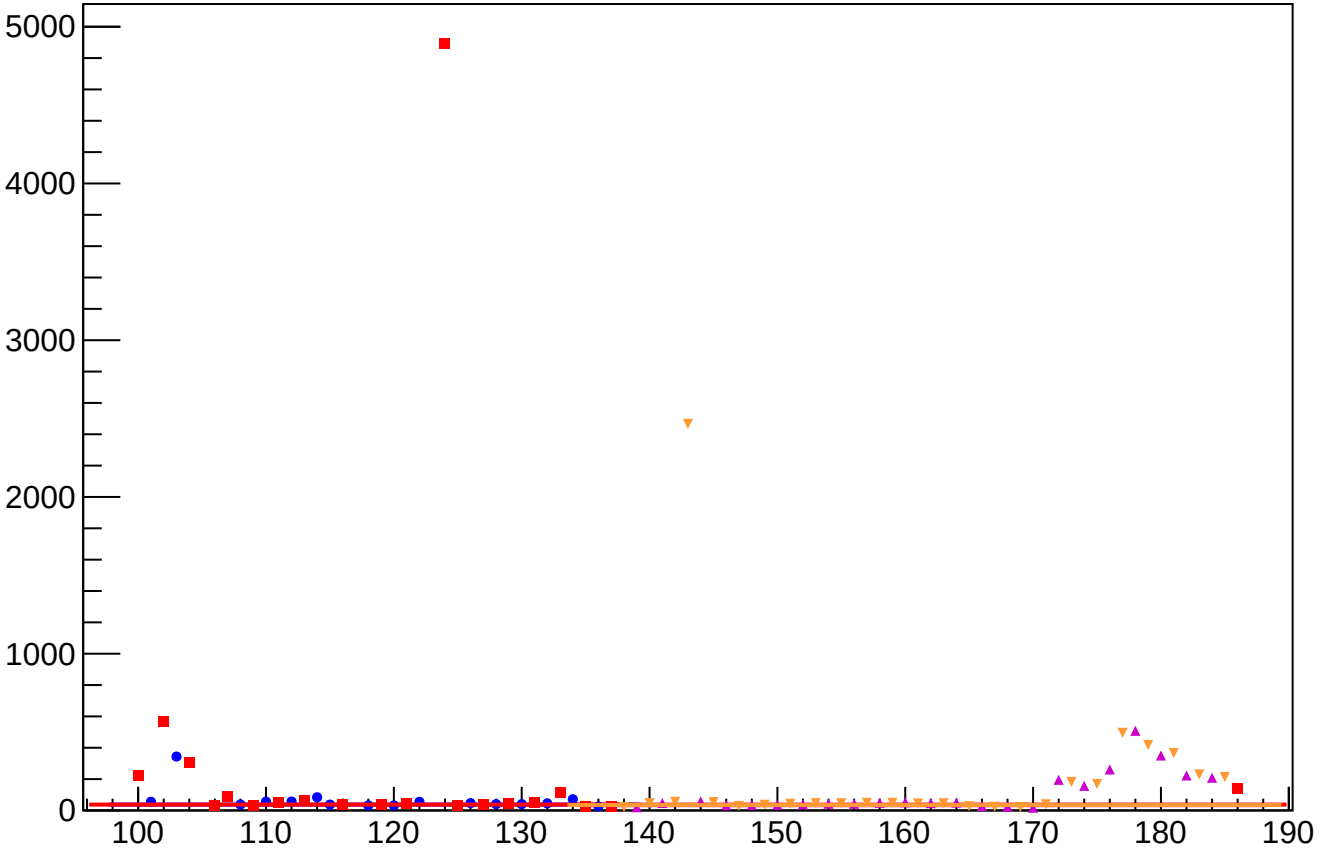
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 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

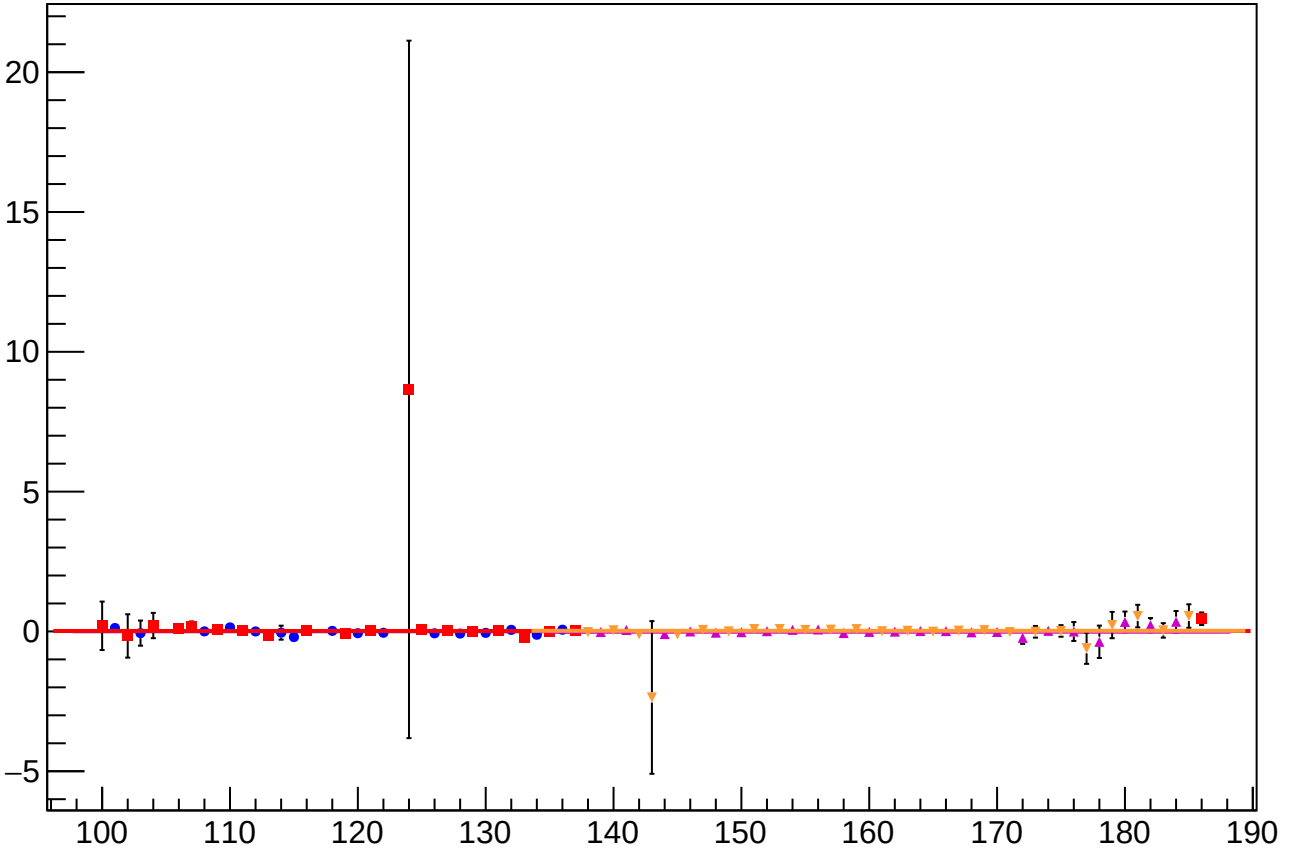
Right: 37.421+/-0.008 χ^2/NDF: 5614778.8/35

In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

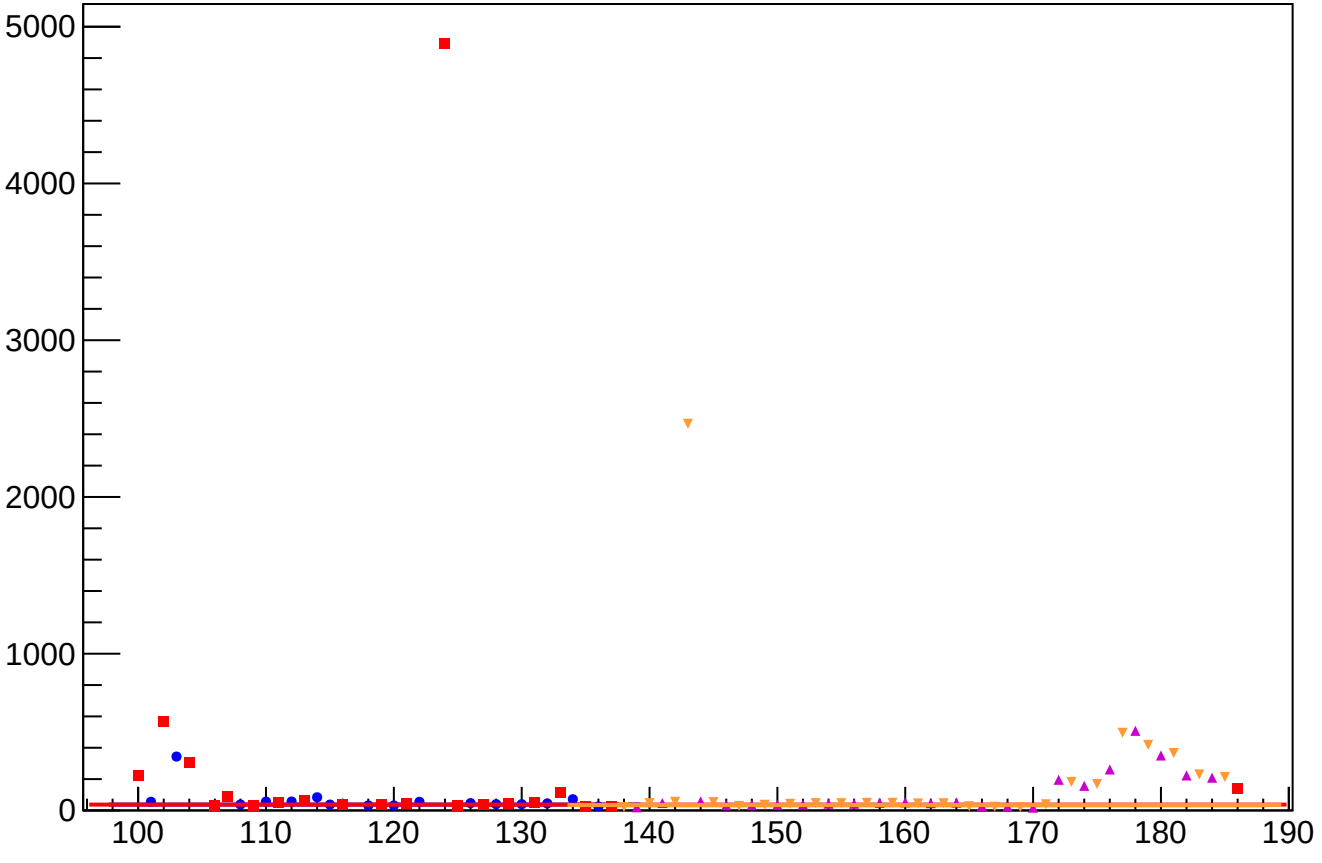
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 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

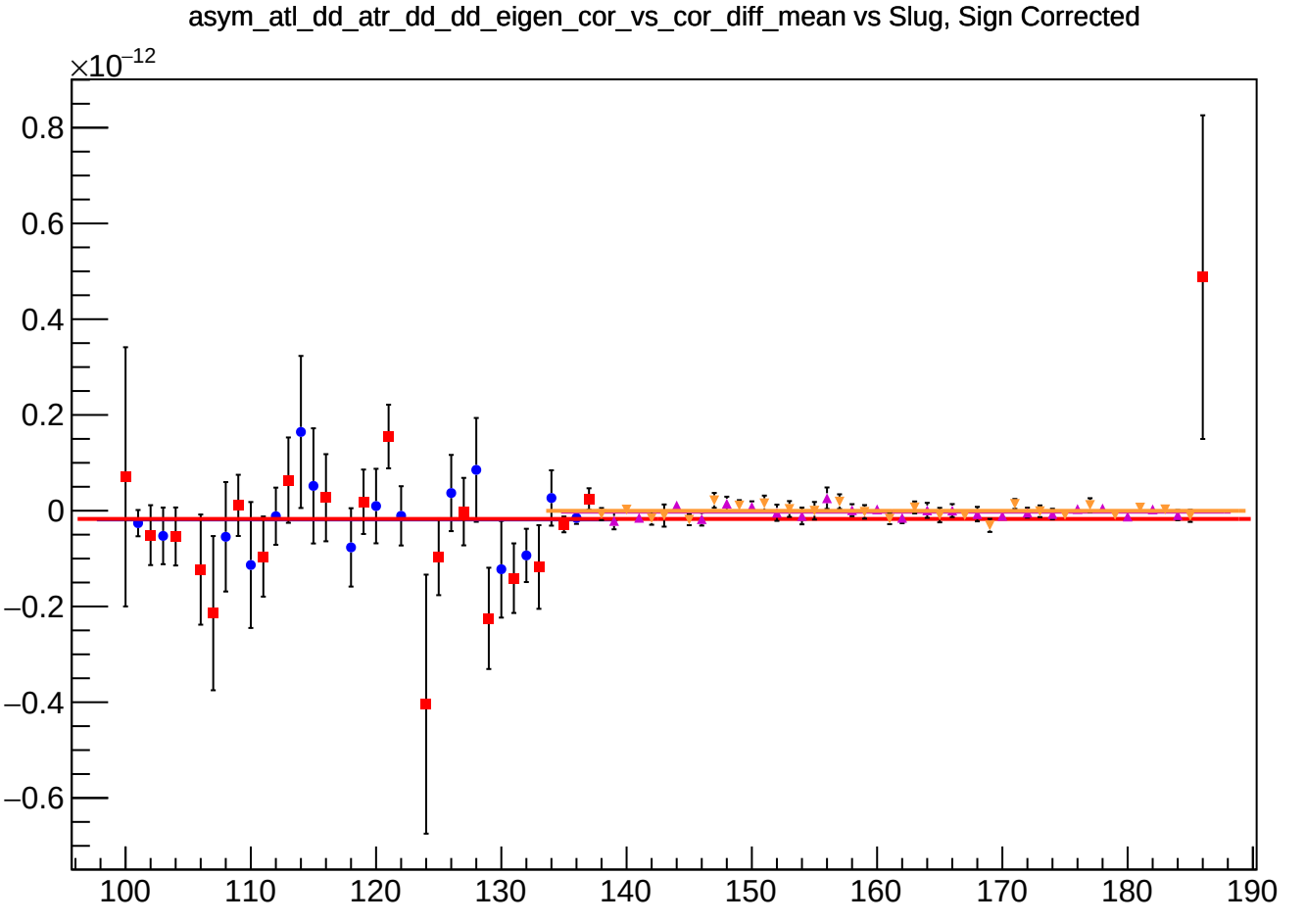
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

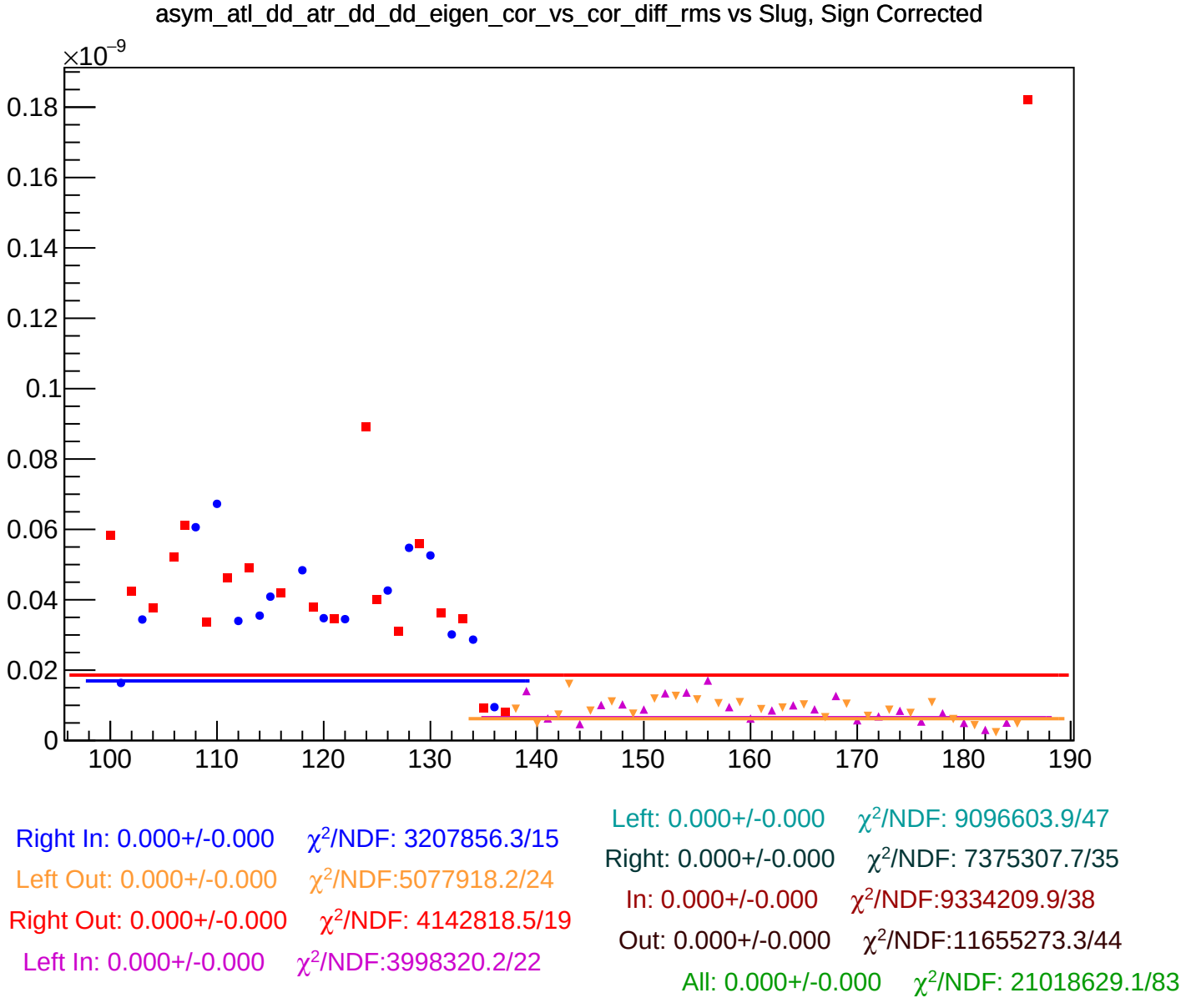
Right: 37.421+/-0.008 χ^2/NDF: 5614778.8/35

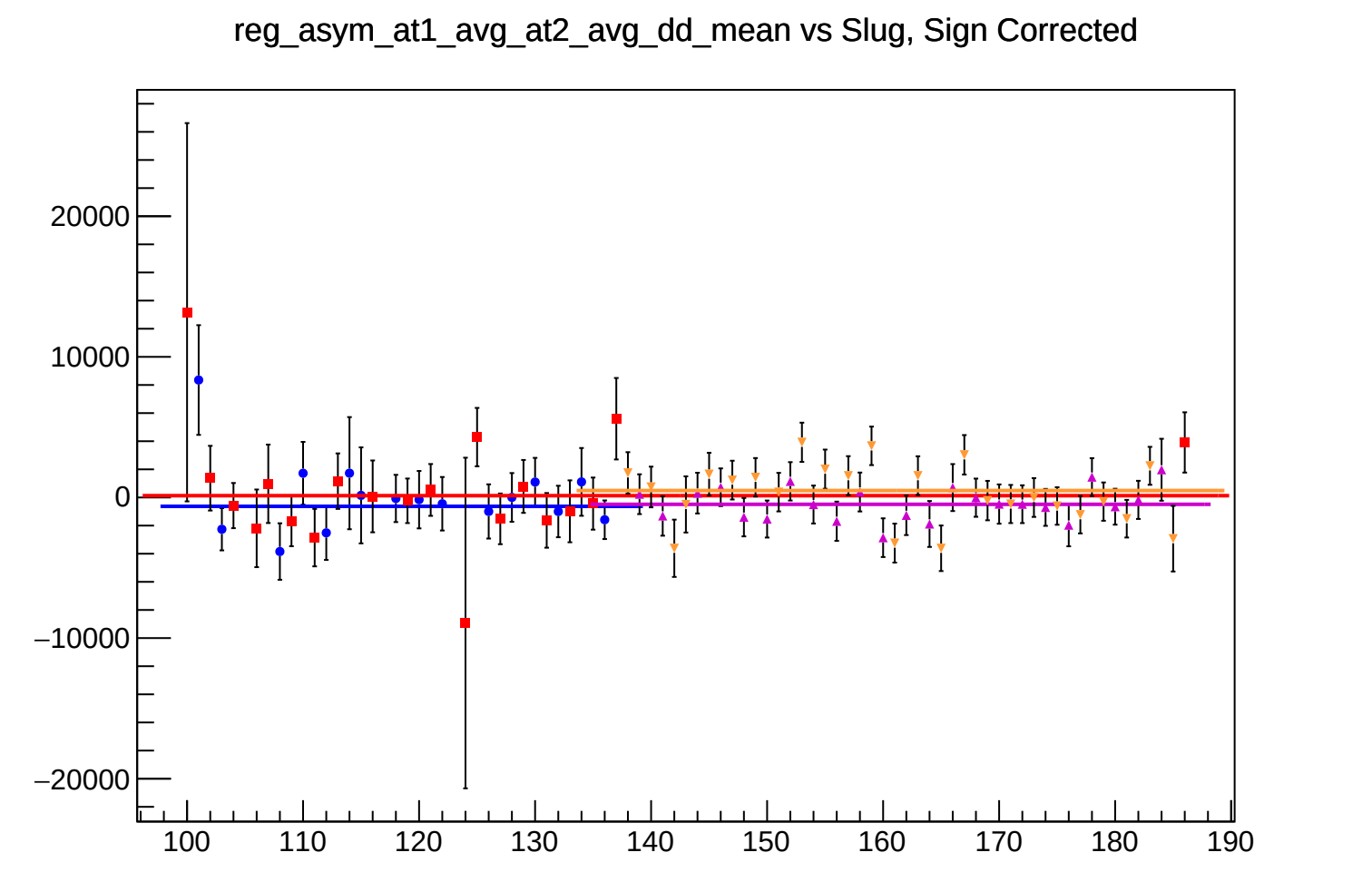
In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83


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: 8.3/15
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: 37.8/35
In: -0.000+/-0.000 χ²/NDF:30.8/38
Out: -0.000+/-0.000 χ²/NDF:57.8/44
All: -0.000+/-0.000 χ²/NDF: 89.1/83


asym_atl_dd_atr_dd_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: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4142818.5/19
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 7375307.7/35
In: 0.000+/-0.000 χ²/NDF:9334209.9/38
Out: 0.000+/-0.000 χ²/NDF:11655273.3/44
All: 0.000+/-0.000 χ²/NDF: 21018629.1/83



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

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

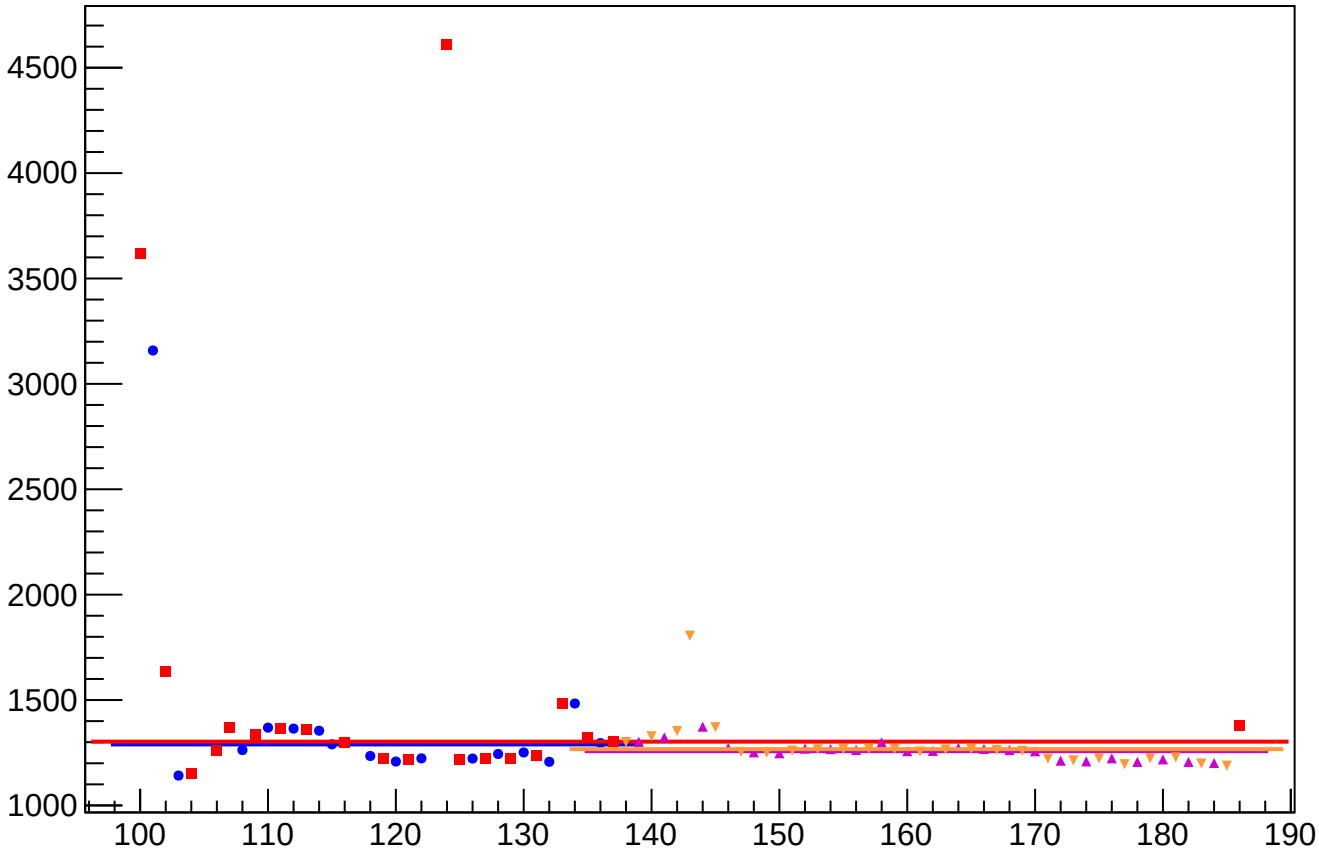
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -240.993+/-340.823 χ^2/NDF: 34.3/35

In: -525.107+/-251.775 χ^2/NDF:28.4/38

Out: 394.262+/-246.662 χ^2/NDF:66.5/44

All: -55.992+/-176.196 χ^2/NDF: 101.7/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

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

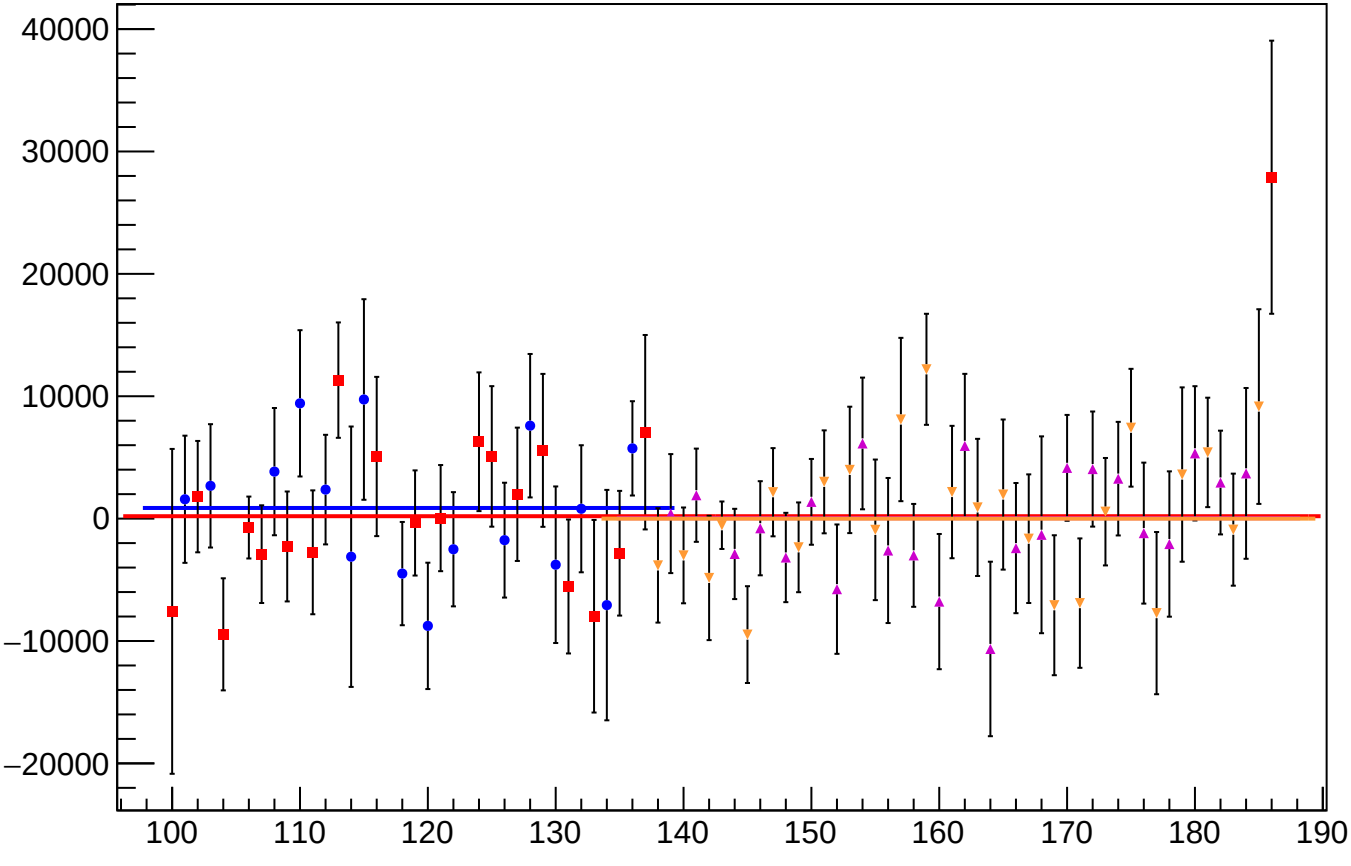
Right: 1296.211+/-0.241 χ^2/NDF: 837430.3/35

In: 1266.024+/-0.178 χ^2/NDF:557757.7/38

Out: 1276.579+/-0.174 χ^2/NDF:517783.0/44

All: 1271.413+/-0.125 χ^2/NDF: 1077335.4/83

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -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

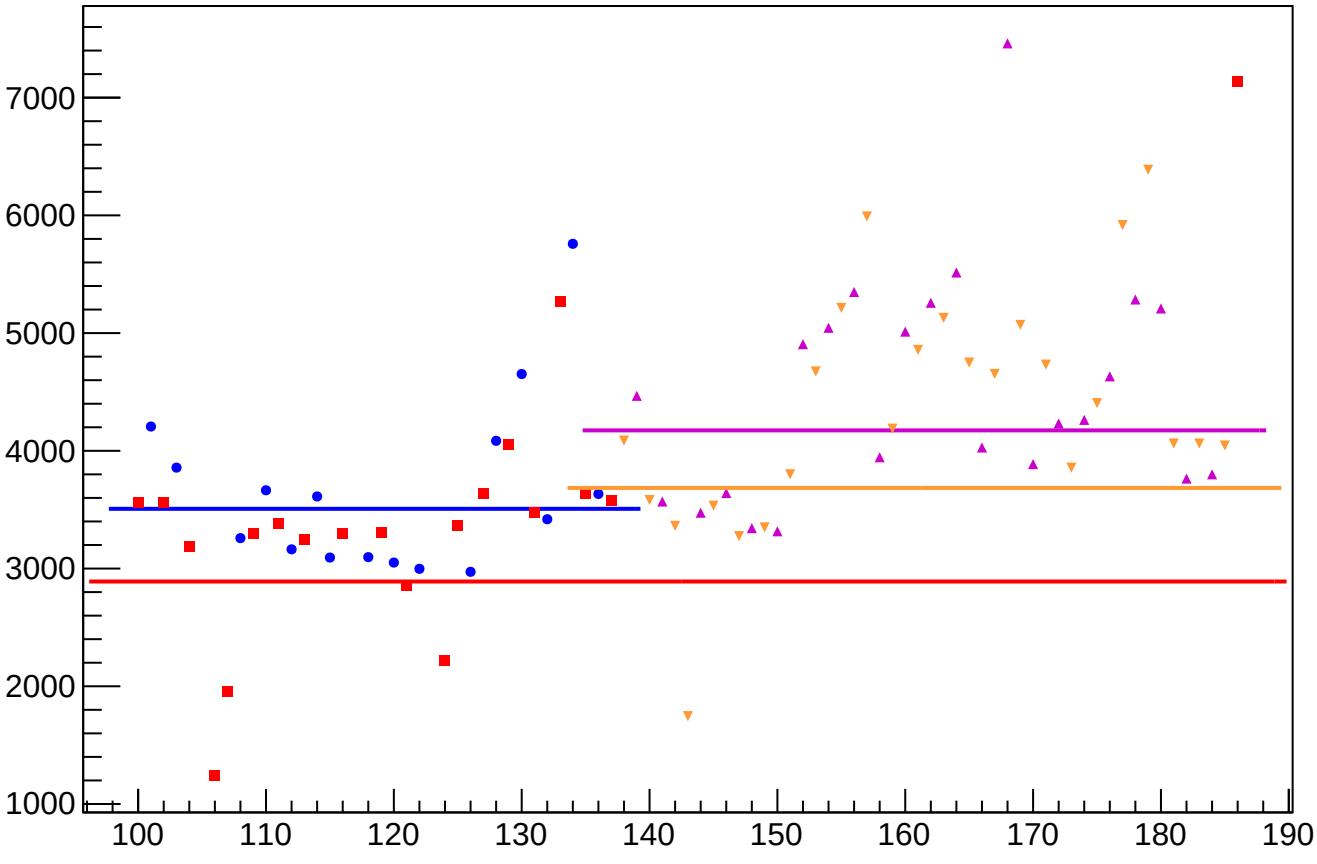
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 473.479+/-848.970 χ^2/NDF: 38.8/35

In: 334.066+/-795.878 χ^2/NDF:28.3/38

Out: 76.843+/-691.619 χ^2/NDF:53.7/44

All: 187.514+/-522.045 χ^2/NDF: 82.1/83



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

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

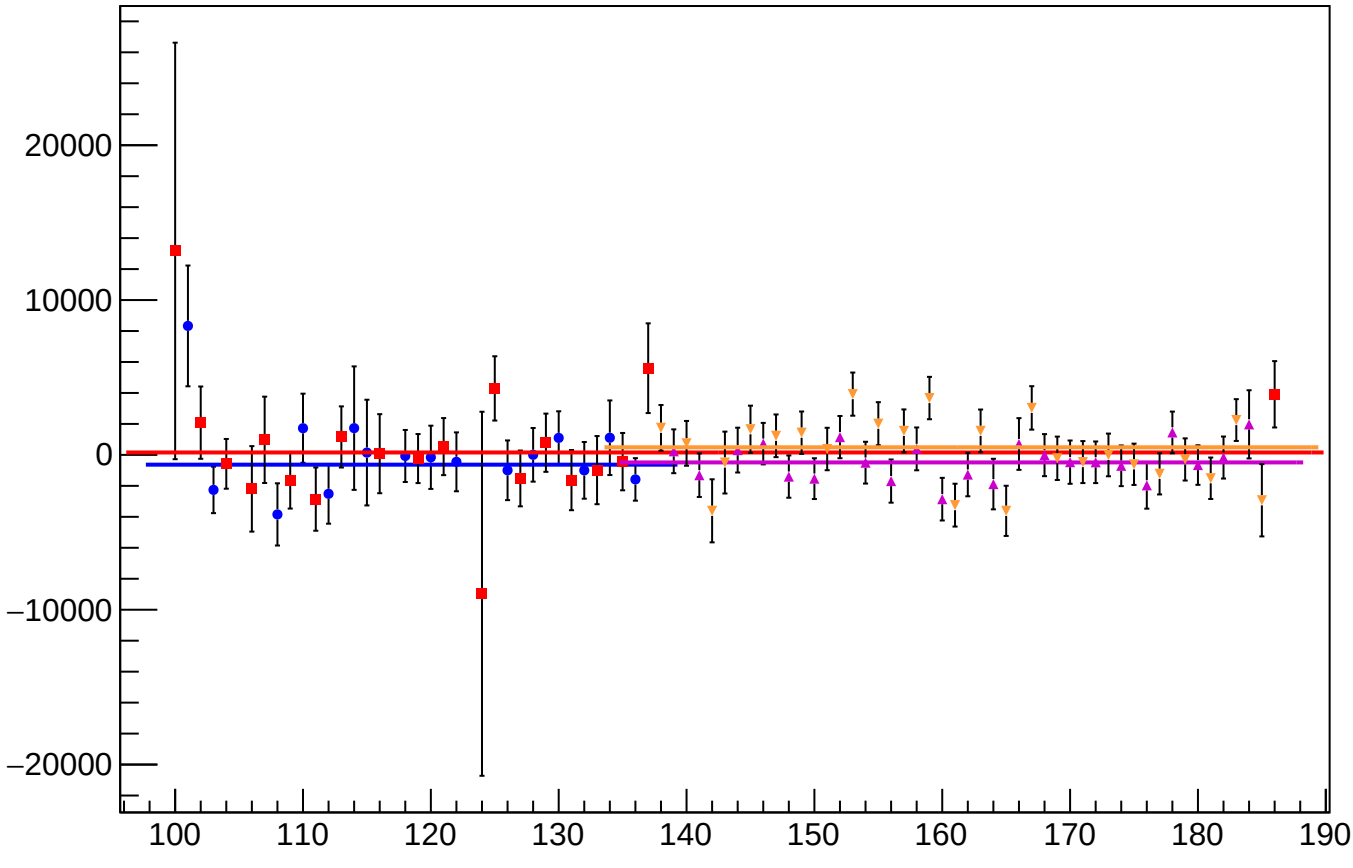
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3143.335+/-0.600 χ^2/NDF: 2402198.4/35

In: 3933.310+/-0.563 χ^2/NDF:1952031.0/38

Out: 3373.744+/-0.489 χ^2/NDF:6115030.3/44

All: 3614.499+/-0.369 χ^2/NDF: 8630338.2/83



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

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

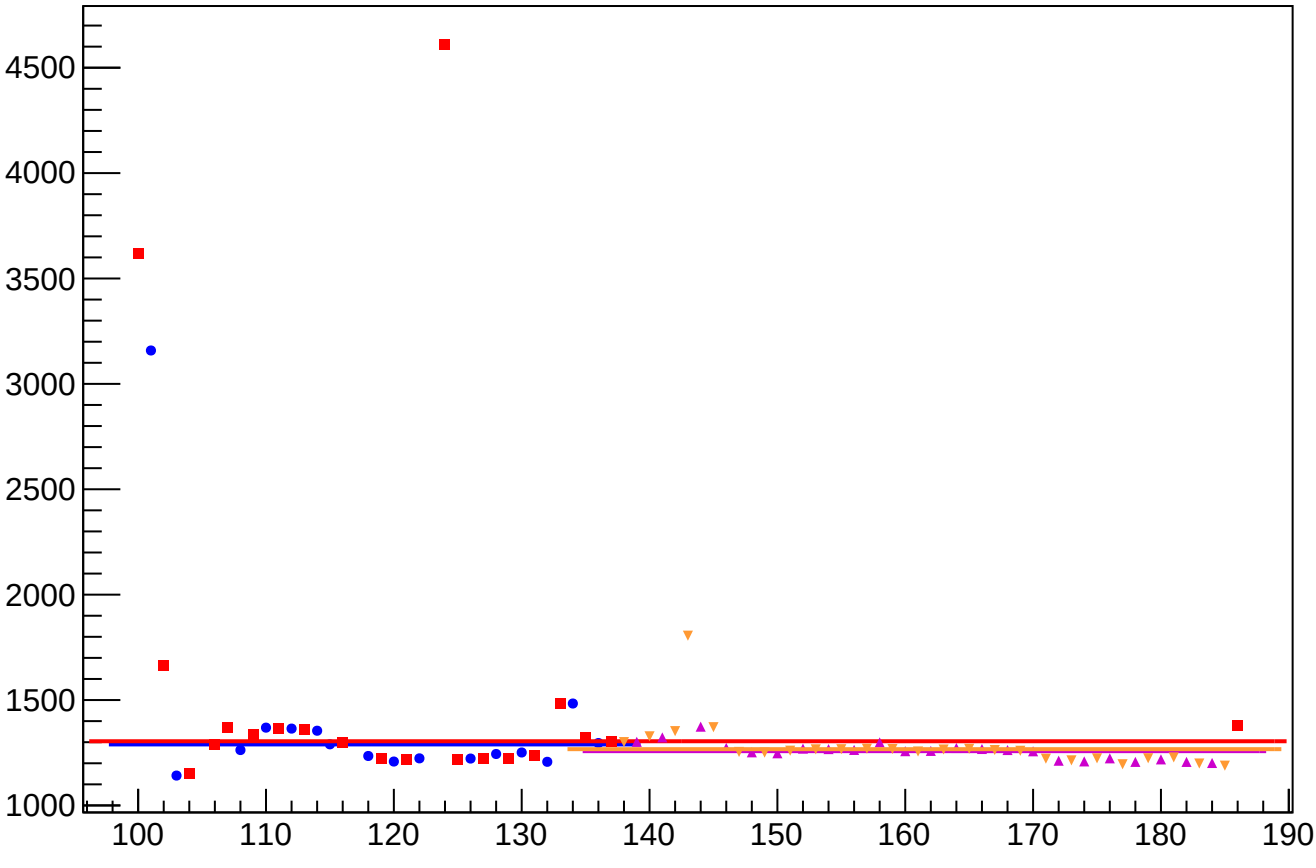
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -227.140+/-340.933 χ^2/NDF: 34.8/35

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -52.217+/-176.211 χ^2/NDF: 102.1/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

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

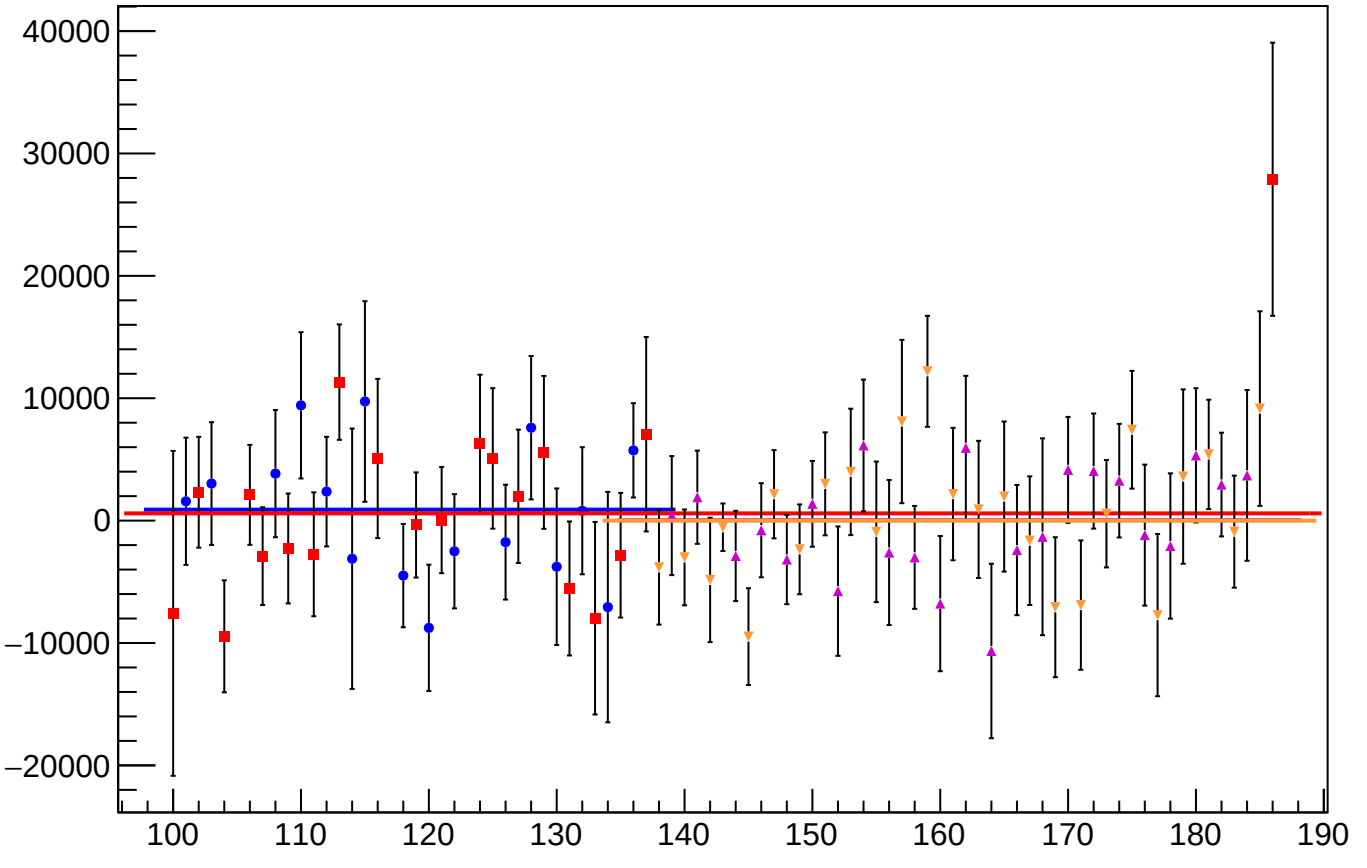
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.200+/-0.241 χ^2/NDF: 844065.8/35

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

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

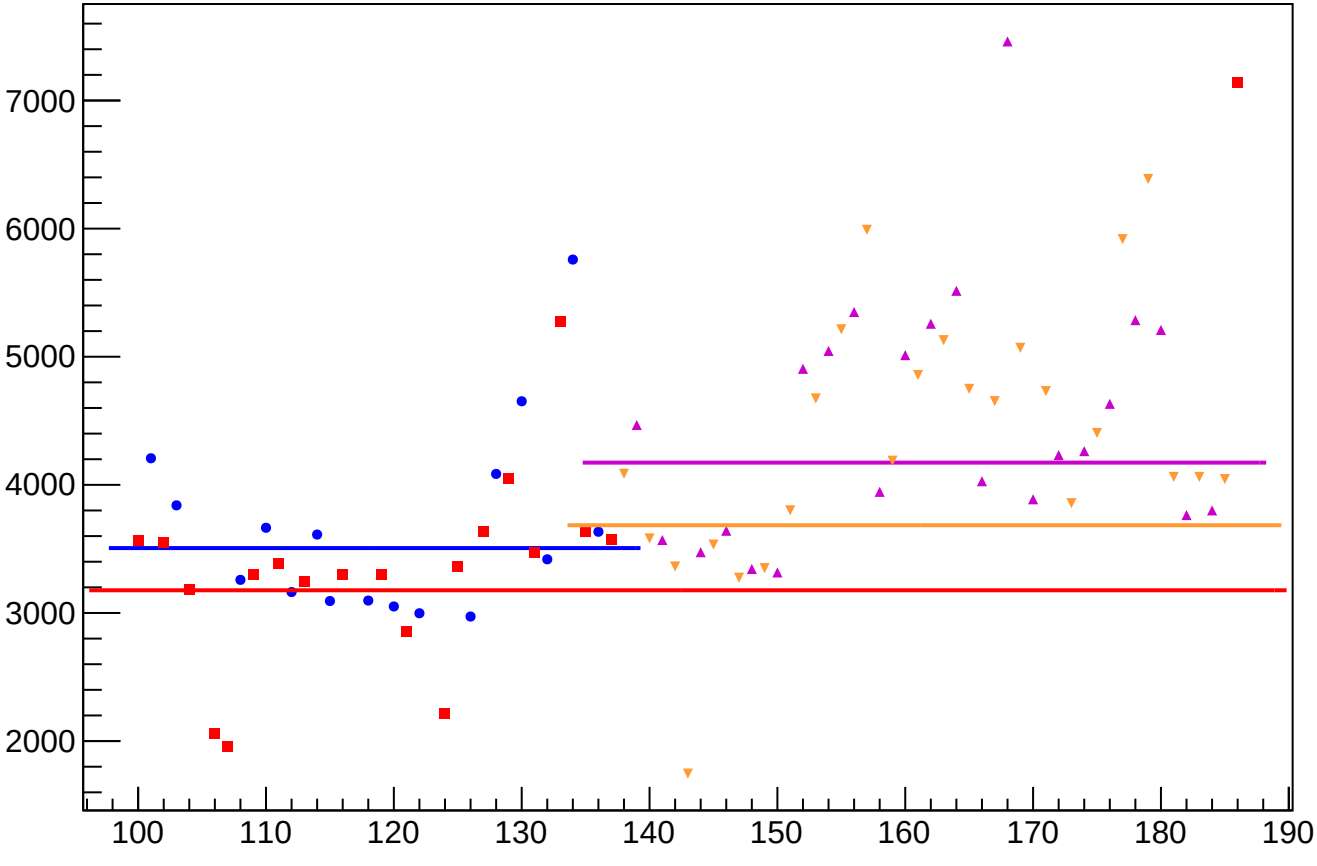
Right: 725.474+/-879.728 χ^2/NDF: 38.8/35

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 271.015+/-528.961 χ^2/NDF: 82.3/83

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 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

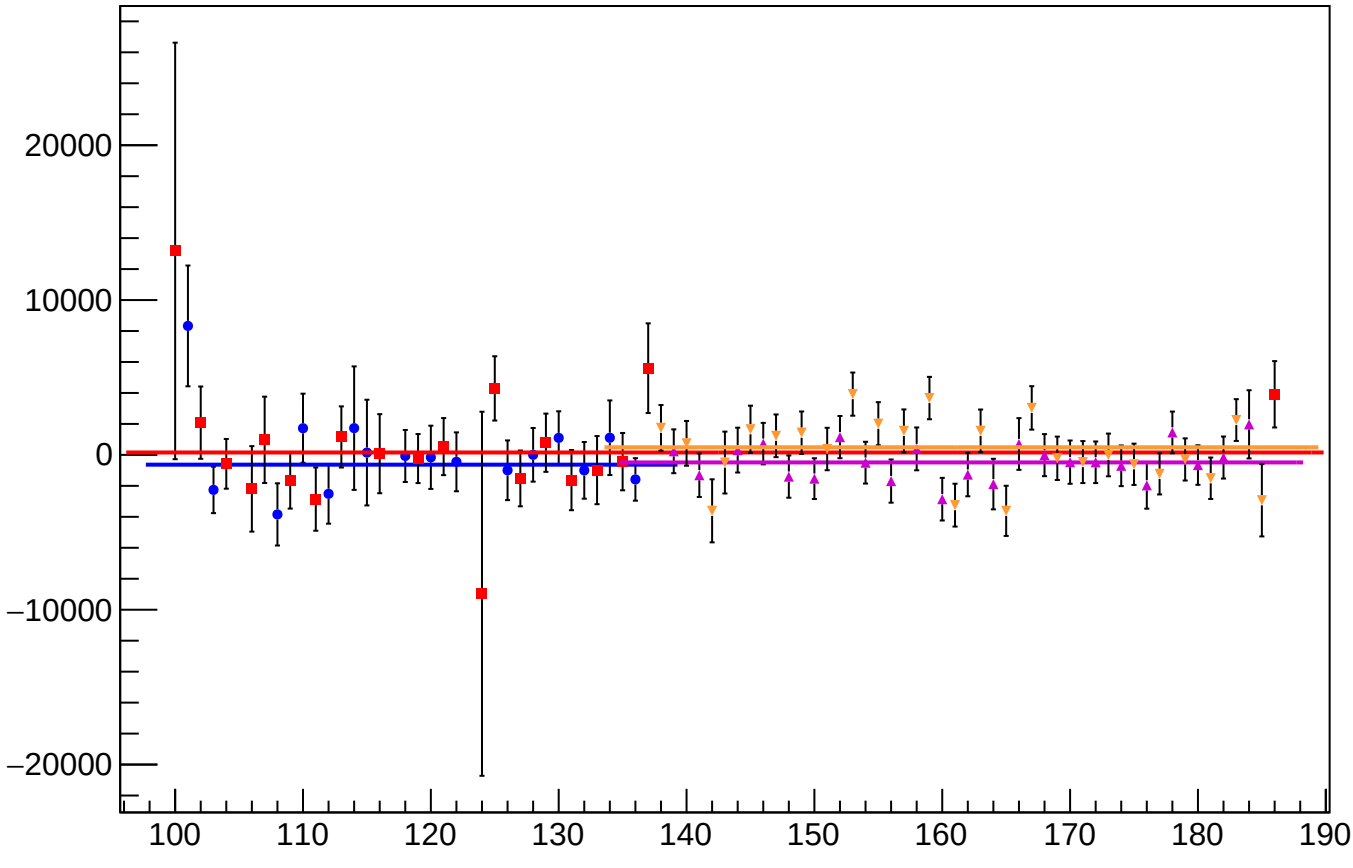
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3322.356+/-0.622 χ^2/NDF: 1326914.5/35

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

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

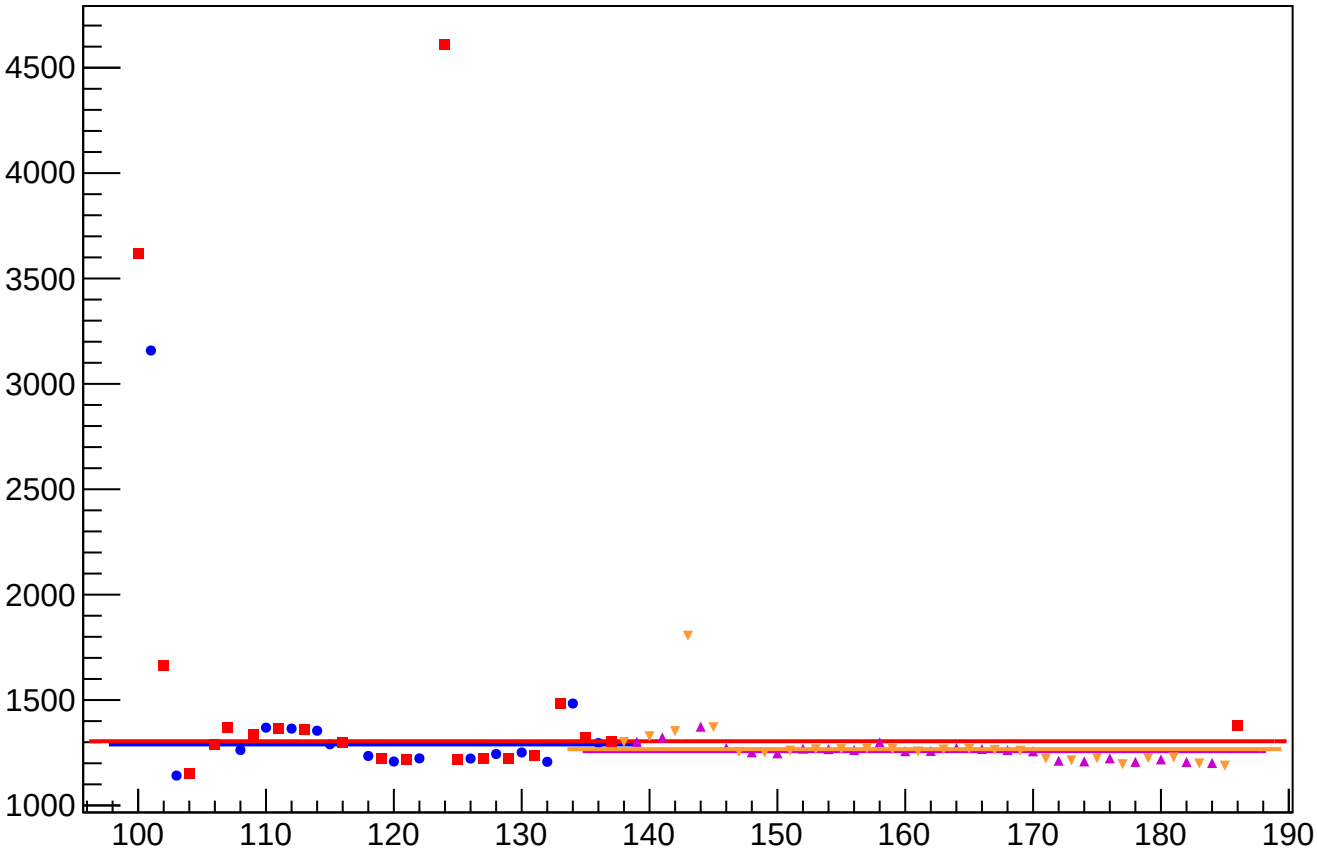
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -227.140+/-340.933 χ^2/NDF: 34.8/35

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -52.217+/-176.211 χ^2/NDF: 102.1/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

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

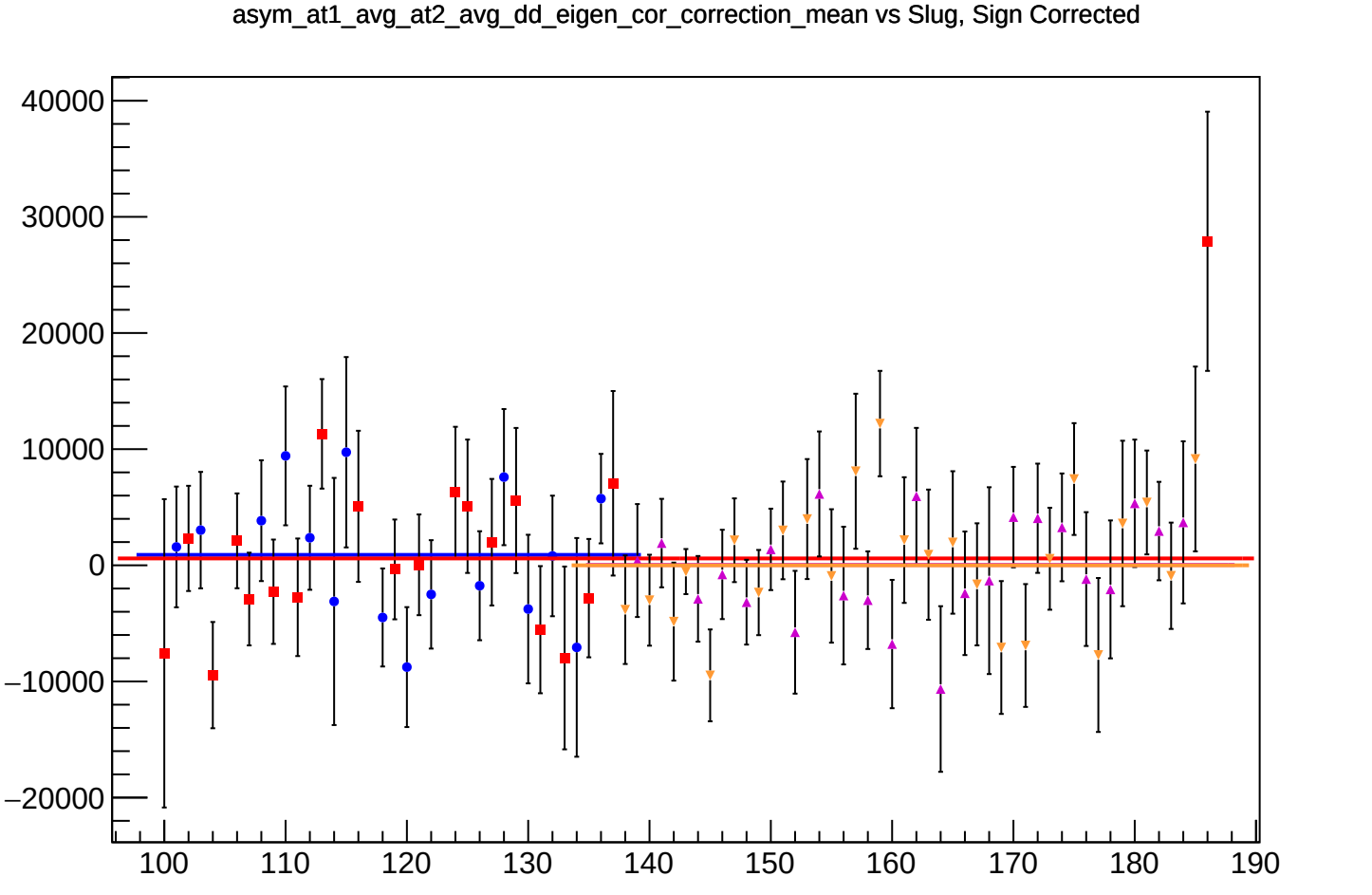
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.200+/-0.241 χ^2/NDF: 844065.8/35

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

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

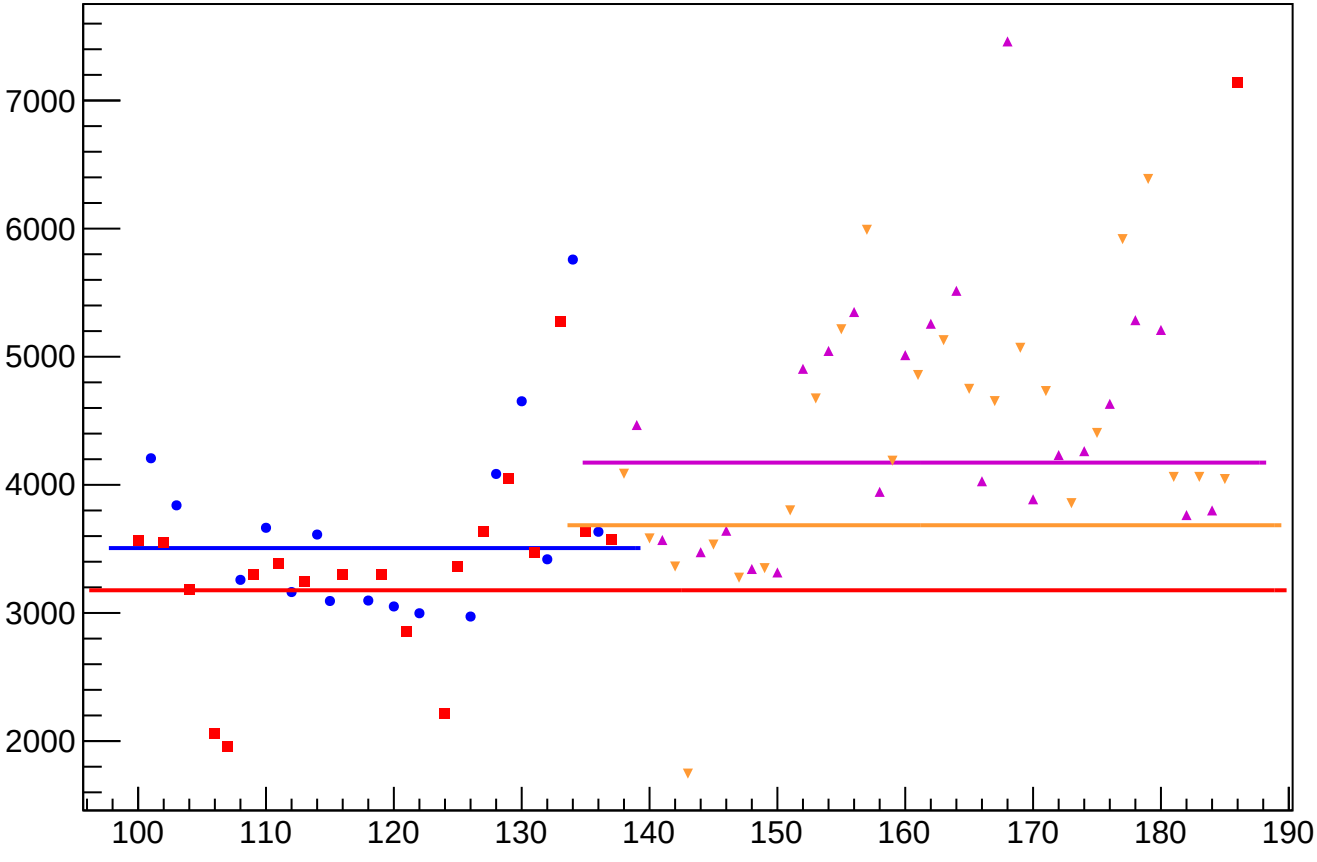
Right: 725.474+/-879.728 χ^2/NDF: 38.8/35

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 271.015+/-528.961 χ^2/NDF: 82.3/83

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 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

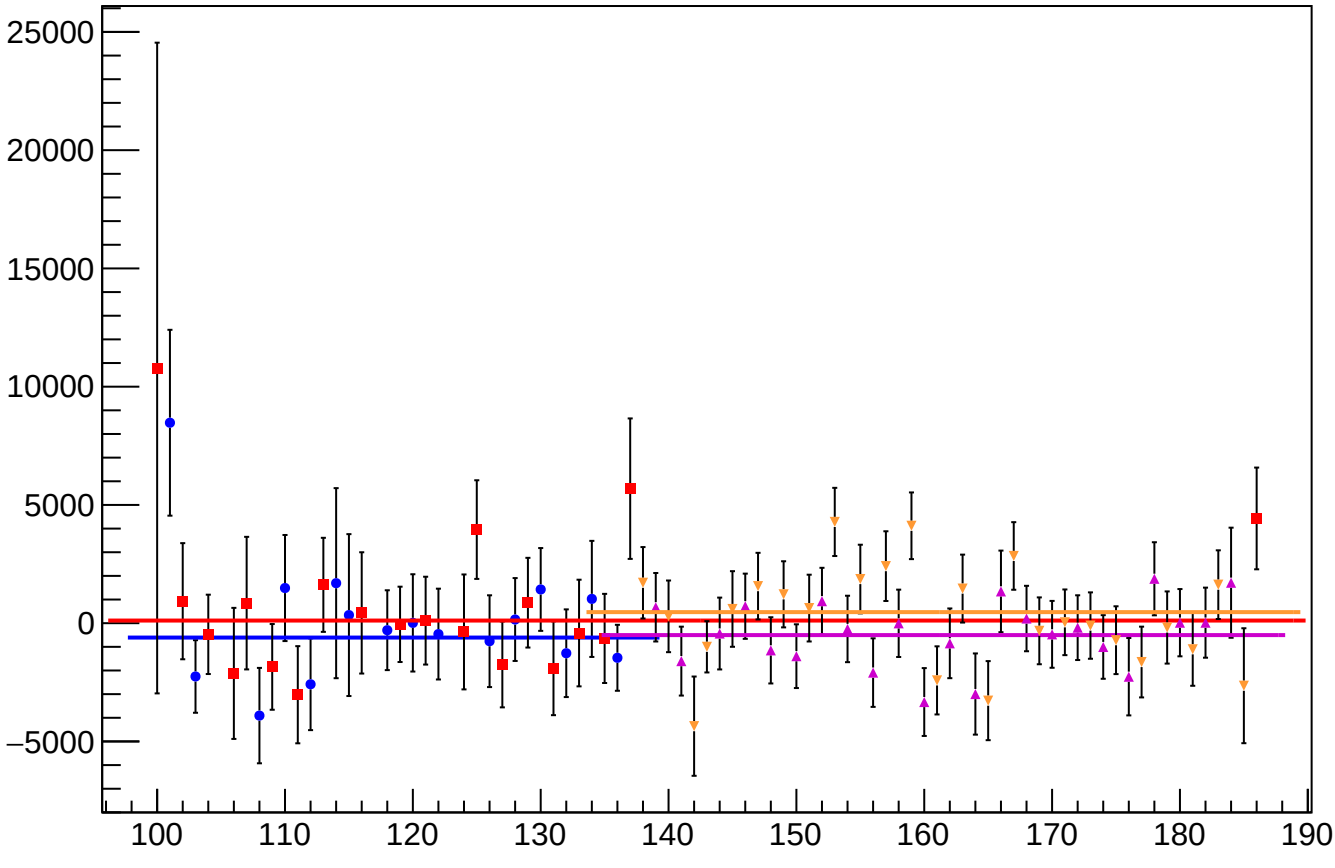
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3322.356+/-0.622 χ^2/NDF: 1326914.5/35

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

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

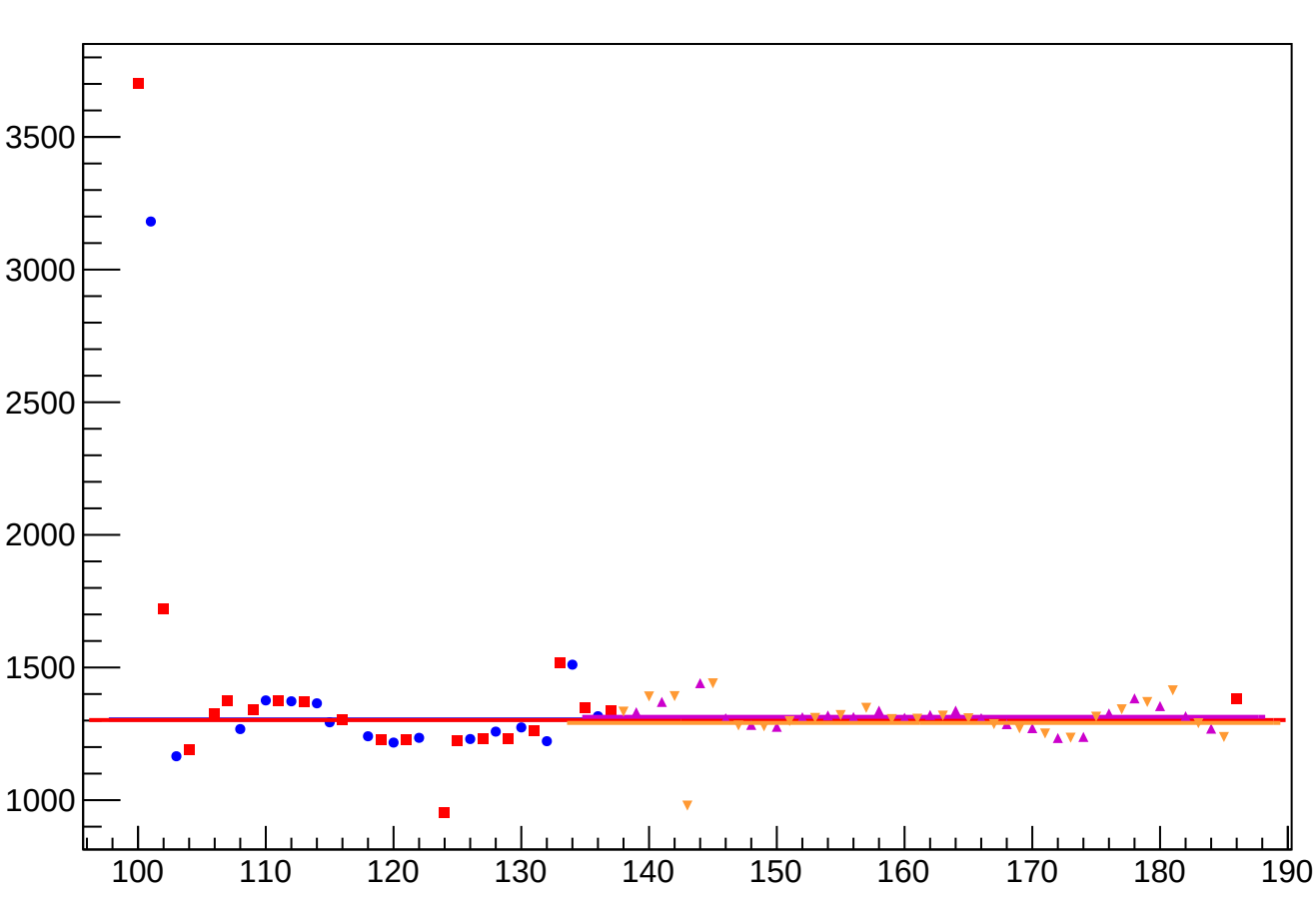
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -232.940+/-341.943 χ^2/NDF: 34.3/35

In: -532.602+/-260.810 χ^2/NDF:31.5/38

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -62.818+/-180.457 χ^2/NDF: 101.4/83



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

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

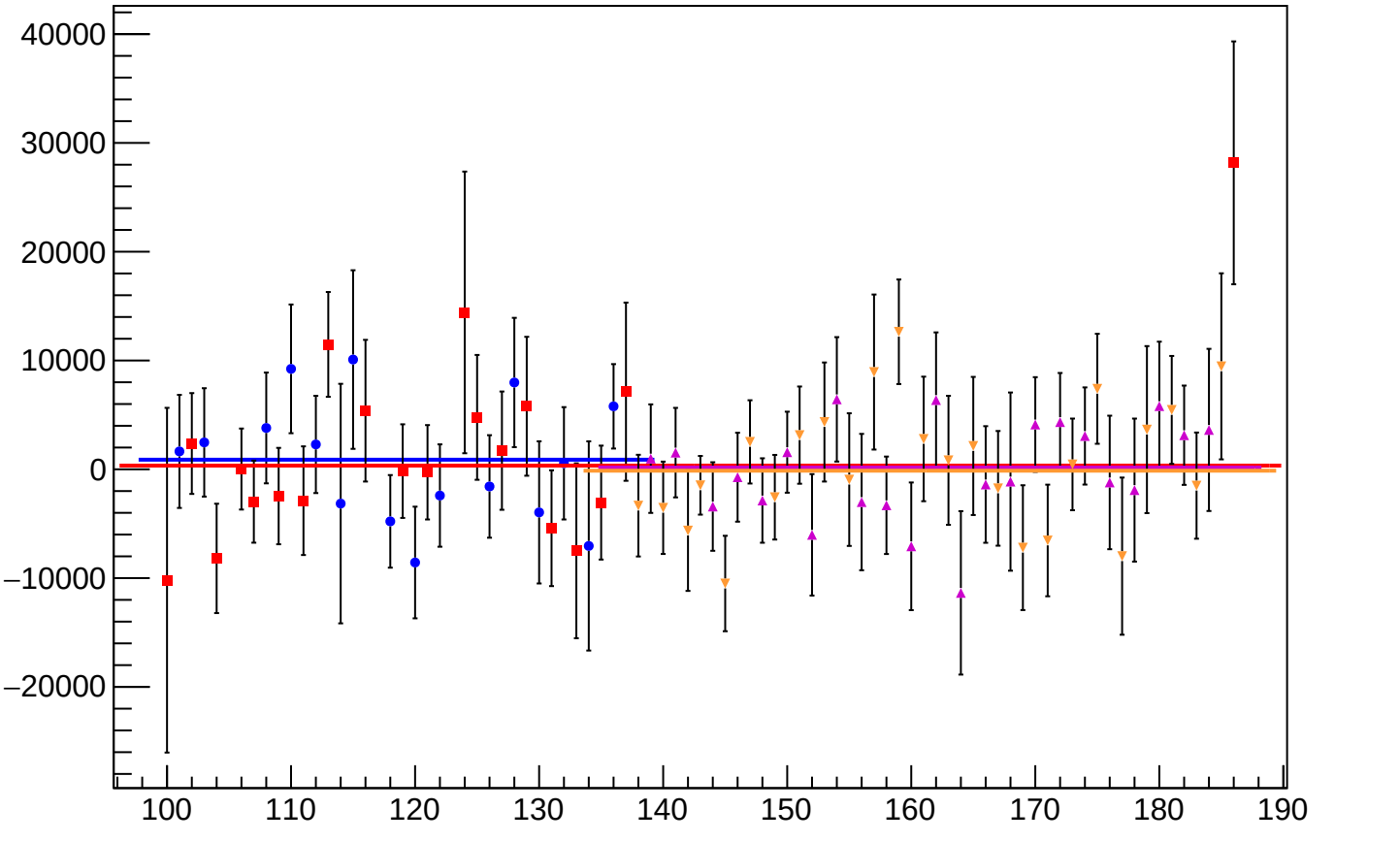
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1302.980+/-0.242 χ^2/NDF: 726735.4/35

In: 1311.247+/-0.184 χ^2/NDF:554213.6/38

Out: 1294.205+/-0.177 χ^2/NDF:447604.2/44

All: 1302.362+/-0.128 χ^2/NDF: 1006270.0/83



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

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

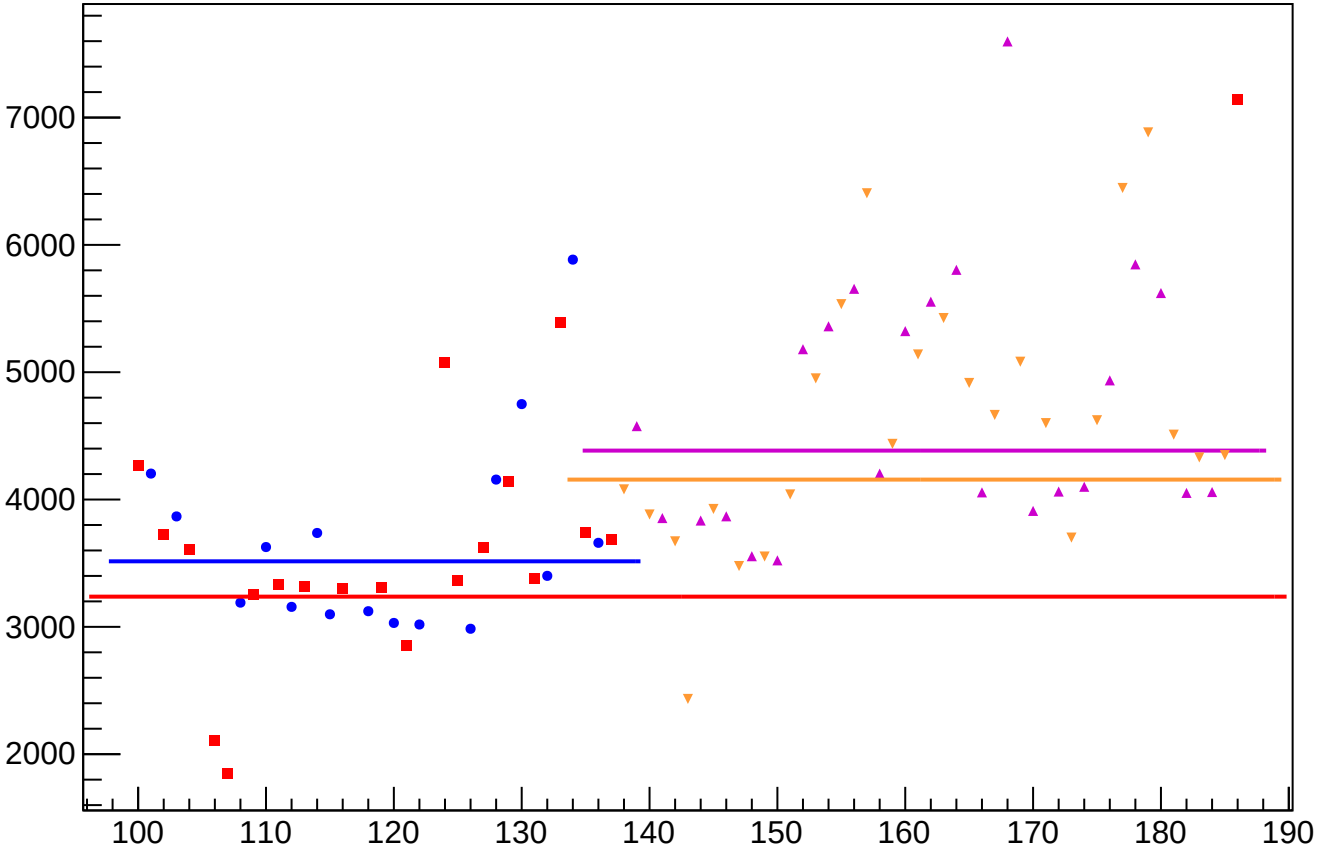
Right: 584.381+/-887.359 χ^2/NDF: 37.3/35

In: 436.874+/-821.335 χ^2/NDF:28.1/38

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 233.529+/-556.245 χ^2/NDF: 80.0/83

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 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

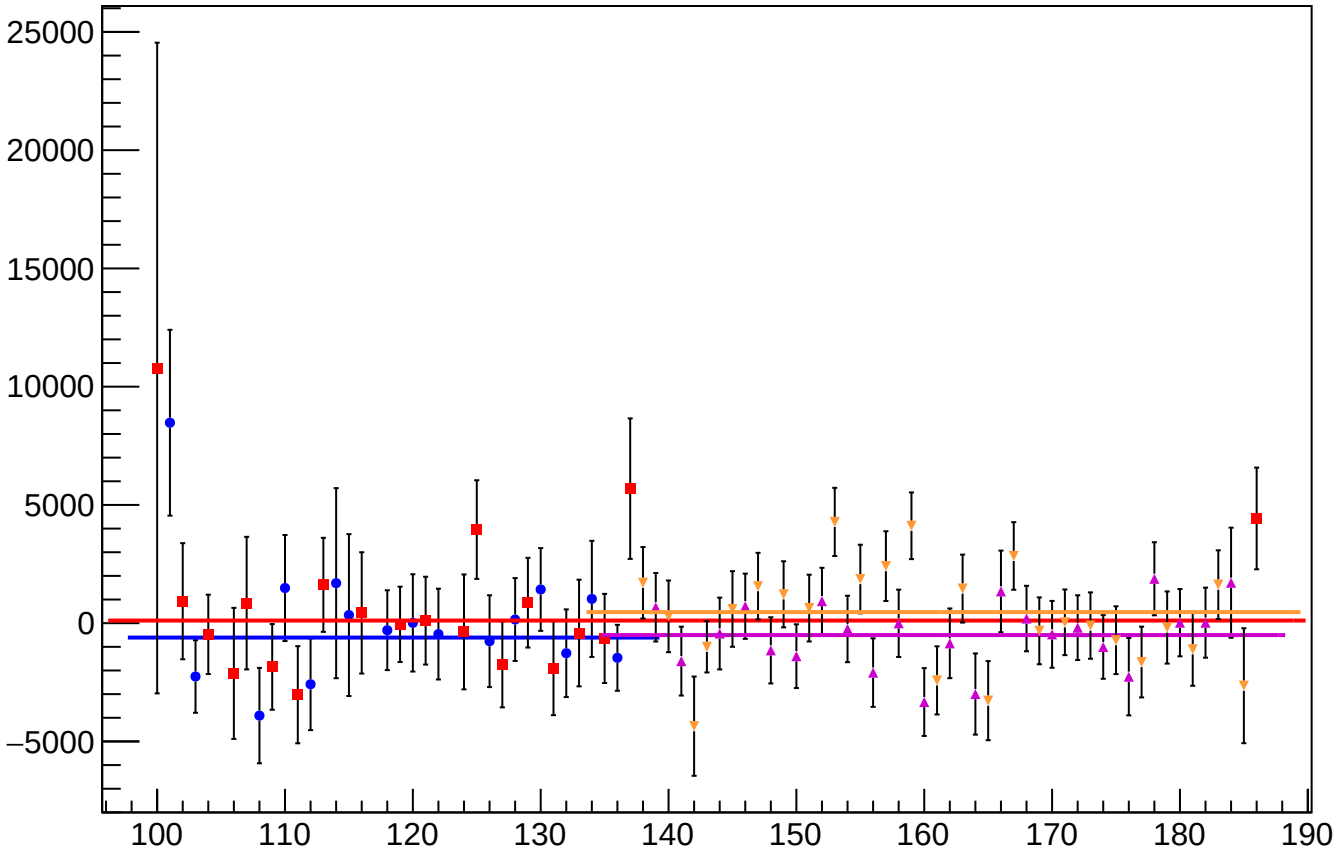
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3361.285+/-0.627 χ^2/NDF: 1443114.6/35

In: 4051.398+/-0.581 χ^2/NDF:2160247.2/38

Out: 3787.495+/-0.535 χ^2/NDF:3811055.0/44

All: 3908.537+/-0.393 χ^2/NDF: 6083078.1/83



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

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

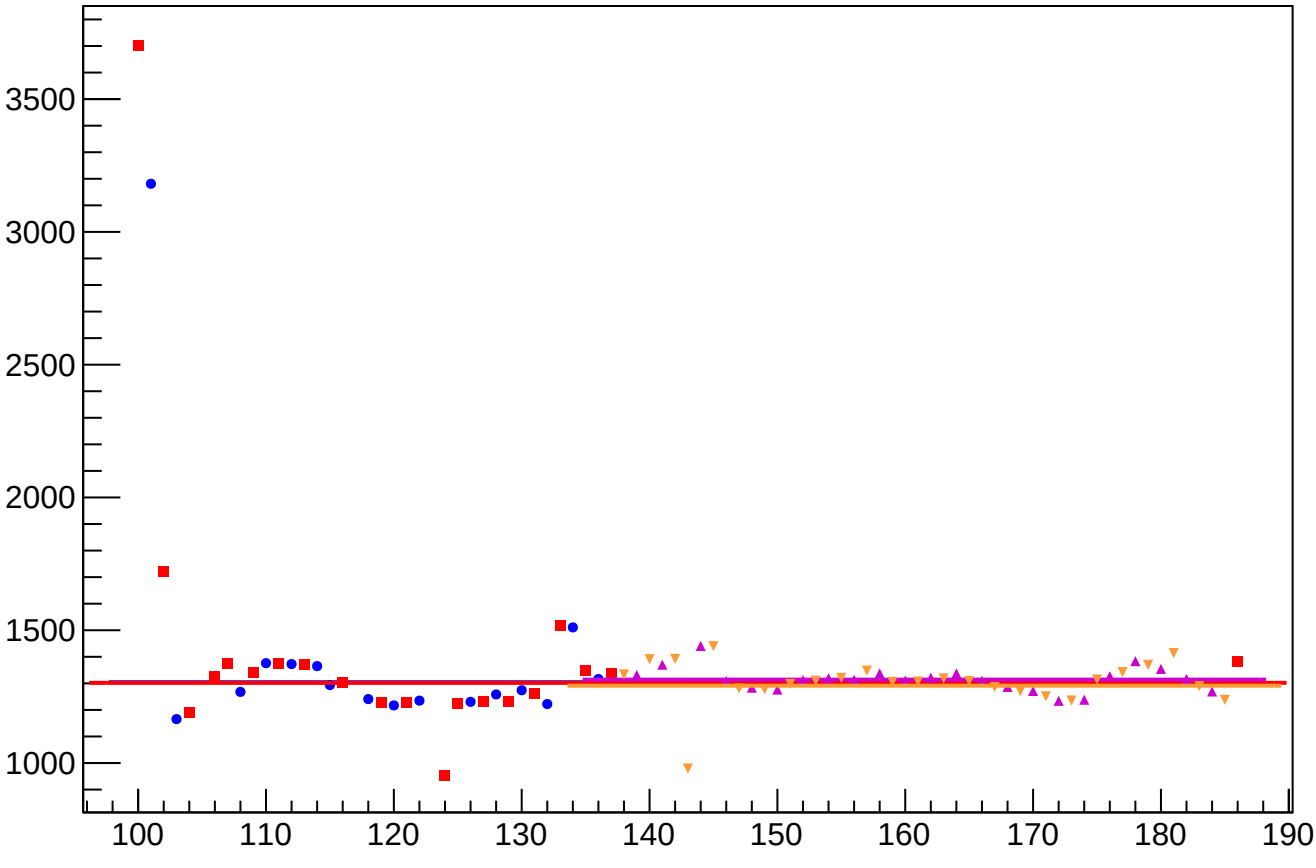
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

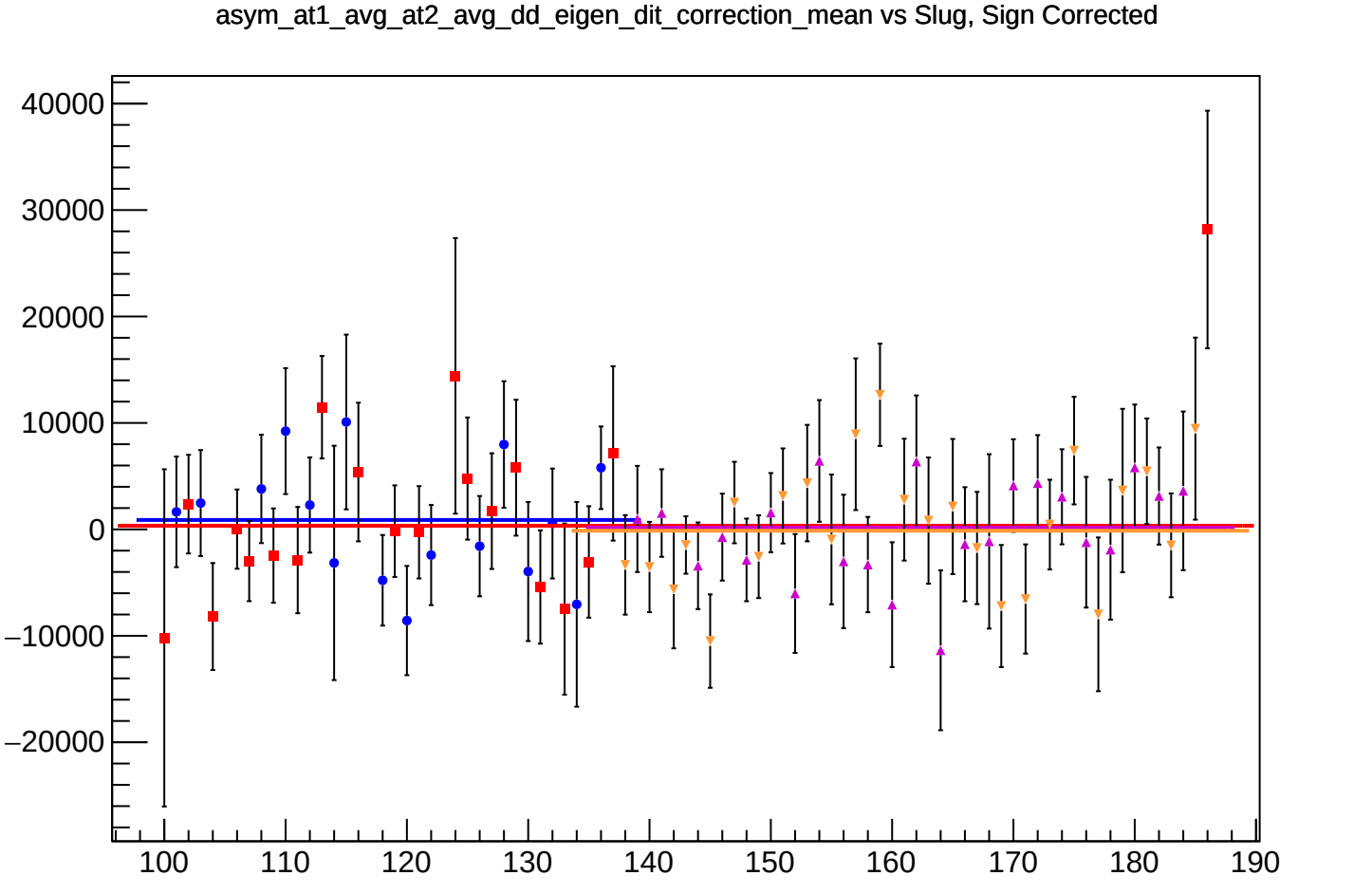
Right: -232.946+/-341.943 χ^2/NDF: 34.3/35

In: -532.603+/-260.811 χ^2/NDF:31.5/38

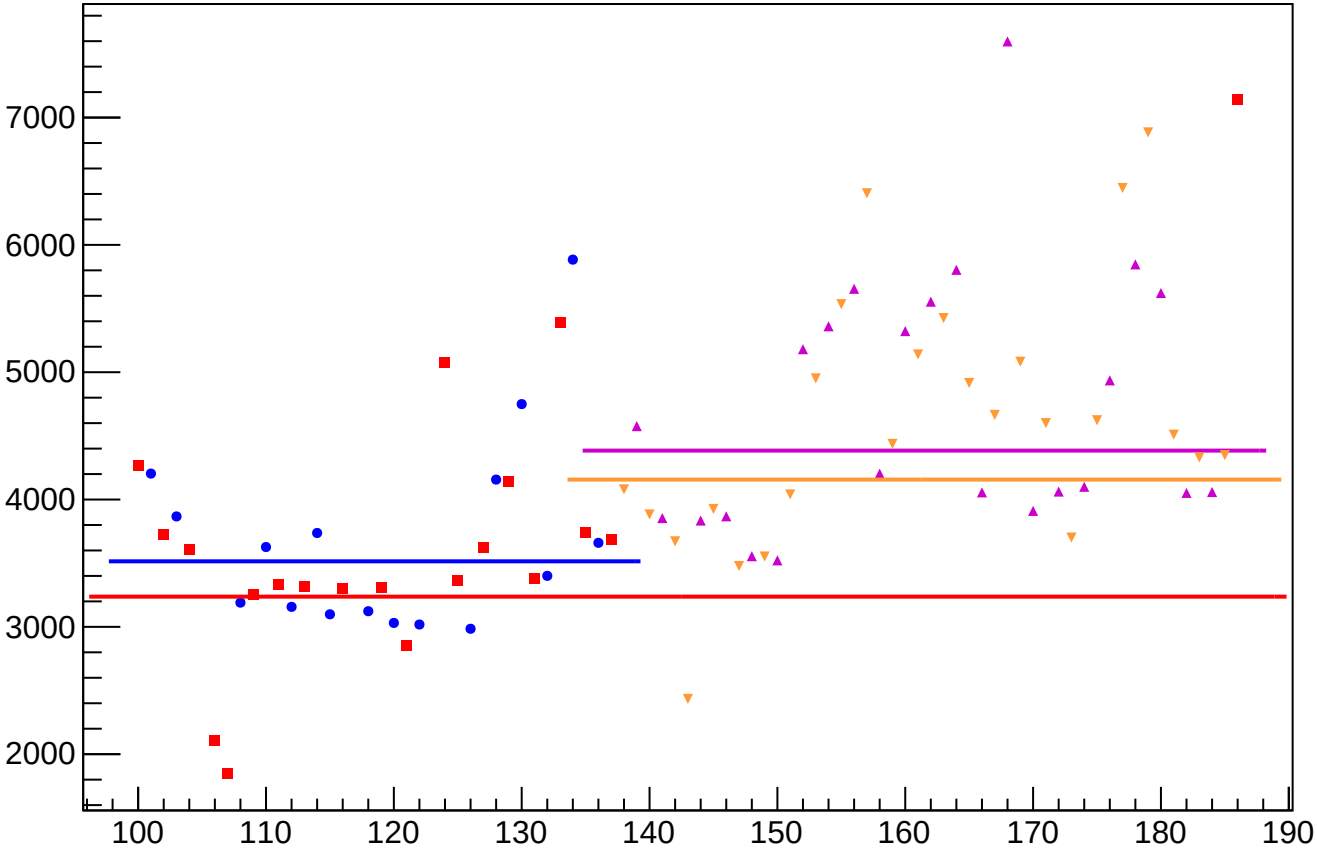
Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -62.818+/-180.458 χ^2/NDF: 101.4/83


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1304.102+/-0.349 χ²/NDF: 510589.6/15
Left Out: 1291.212+/-0.208 χ²/NDF:230737.6/24
Right Out: 1301.951+/-0.335 χ²/NDF: 216126.3/19
Left In: 1314.007+/-0.217 χ²/NDF:43046.8/22
Left: 1302.125+/-0.150 χ²/NDF: 279530.2/47
Right: 1302.980+/-0.242 χ²/NDF: 726735.6/35
In: 1311.248+/-0.184 χ²/NDF:554216.0/38
Out: 1294.206+/-0.177 χ²/NDF:447606.6/44
All: 1302.363+/-0.128 χ²/NDF: 1006274.8/83


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: 884.047+/-1327.396 χ²/NDF: 14.1/15
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: 584.374+/-887.357 χ²/NDF: 37.3/35
In: 436.872+/-821.335 χ²/NDF:28.1/38
Out: 61.242+/-756.016 χ²/NDF:51.8/44
All: 233.529+/-556.245 χ²/NDF: 80.0/83

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

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

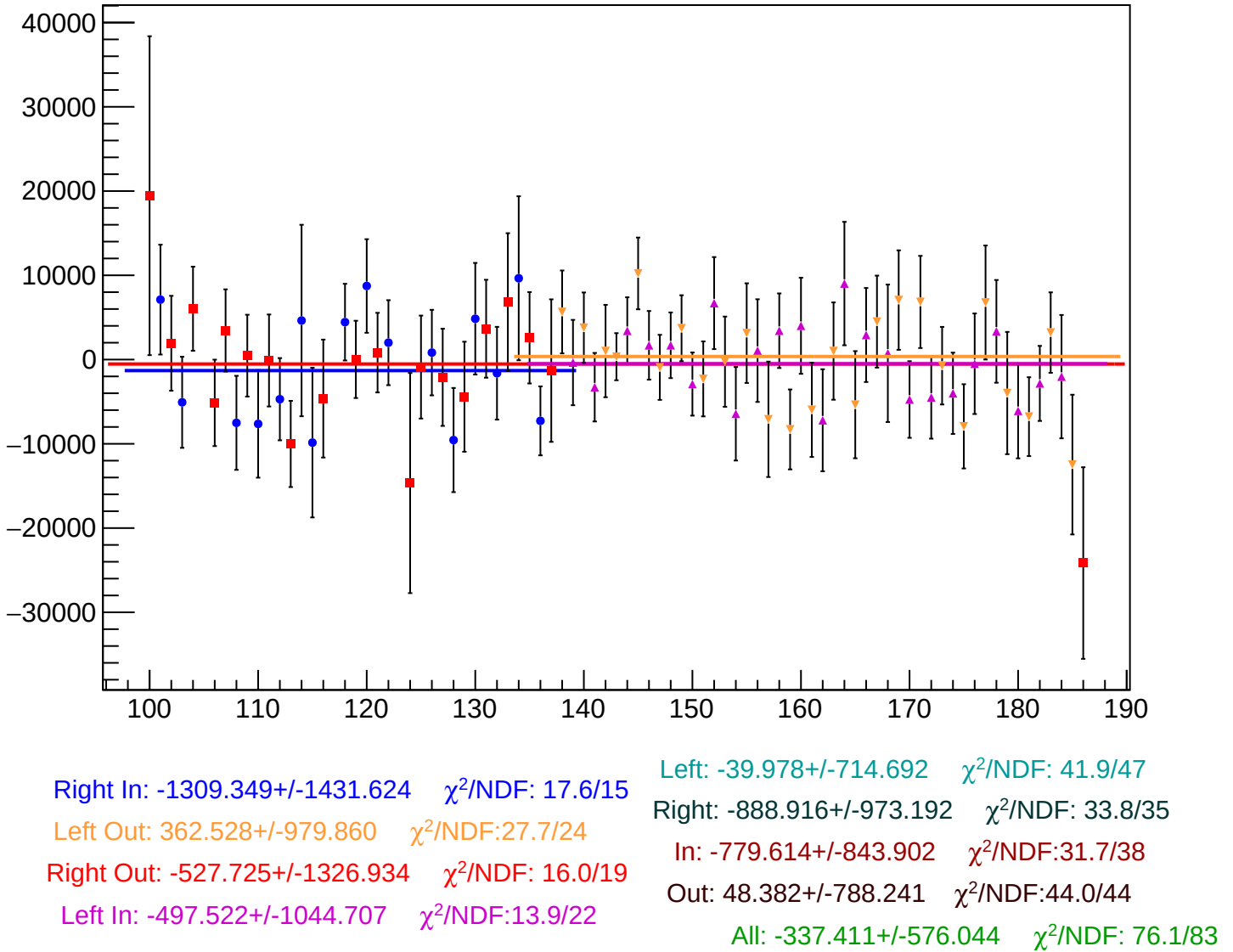
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

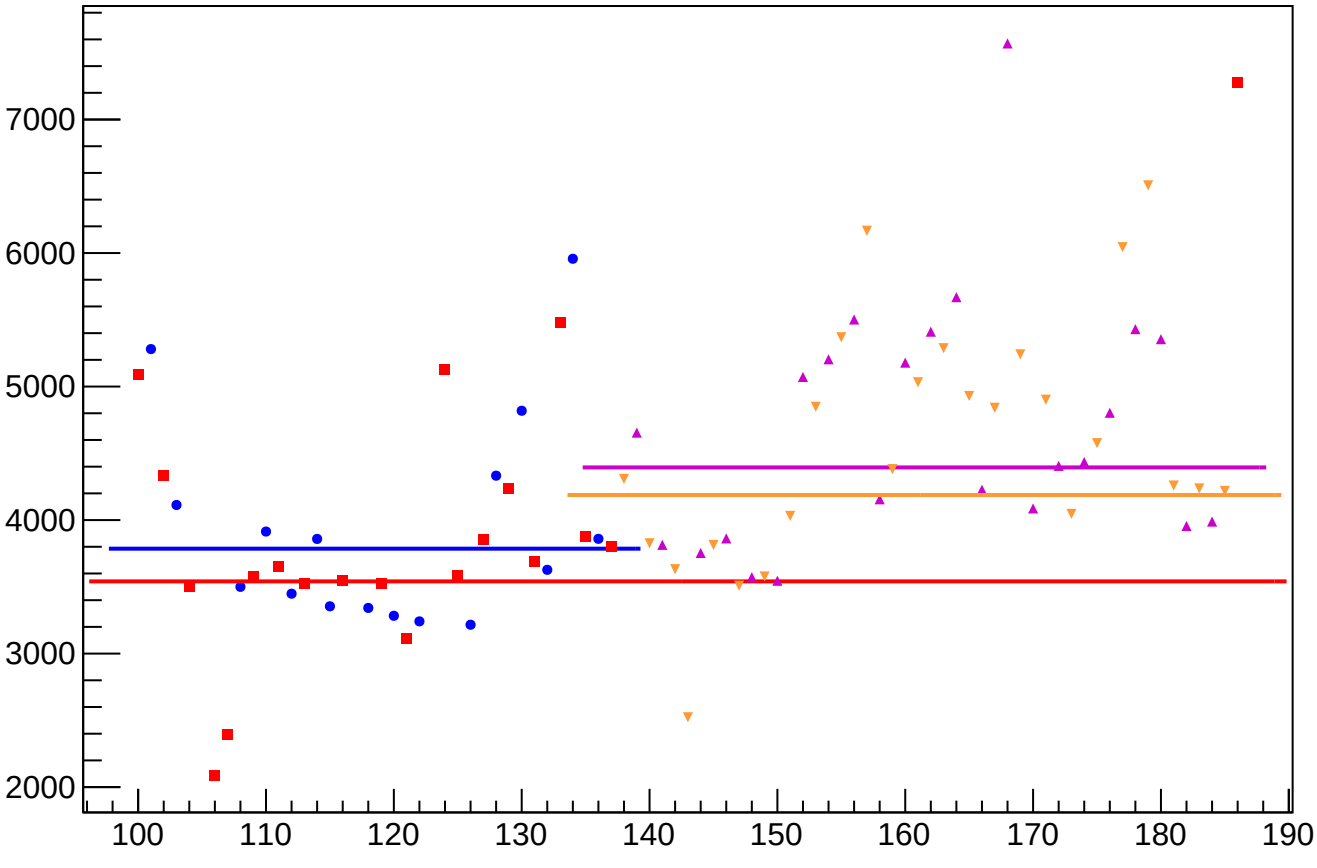
Right: 3361.277+/-0.627 χ^2/NDF: 1443121.2/35

In: 4051.397+/-0.581 χ^2/NDF:2160275.8/38

Out: 3787.494+/-0.535 χ^2/NDF:3811083.9/44

All: 3908.536+/-0.393 χ^2/NDF: 6083135.6/83


asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -527.725+/-1326.934 χ²/NDF: 16.0/19
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -888.916+/-973.192 χ²/NDF: 33.8/35
In: -779.614+/-843.902 χ²/NDF:31.7/38
Out: 48.382+/-788.241 χ²/NDF:44.0/44
All: -337.411+/-576.044 χ²/NDF: 76.1/83



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

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

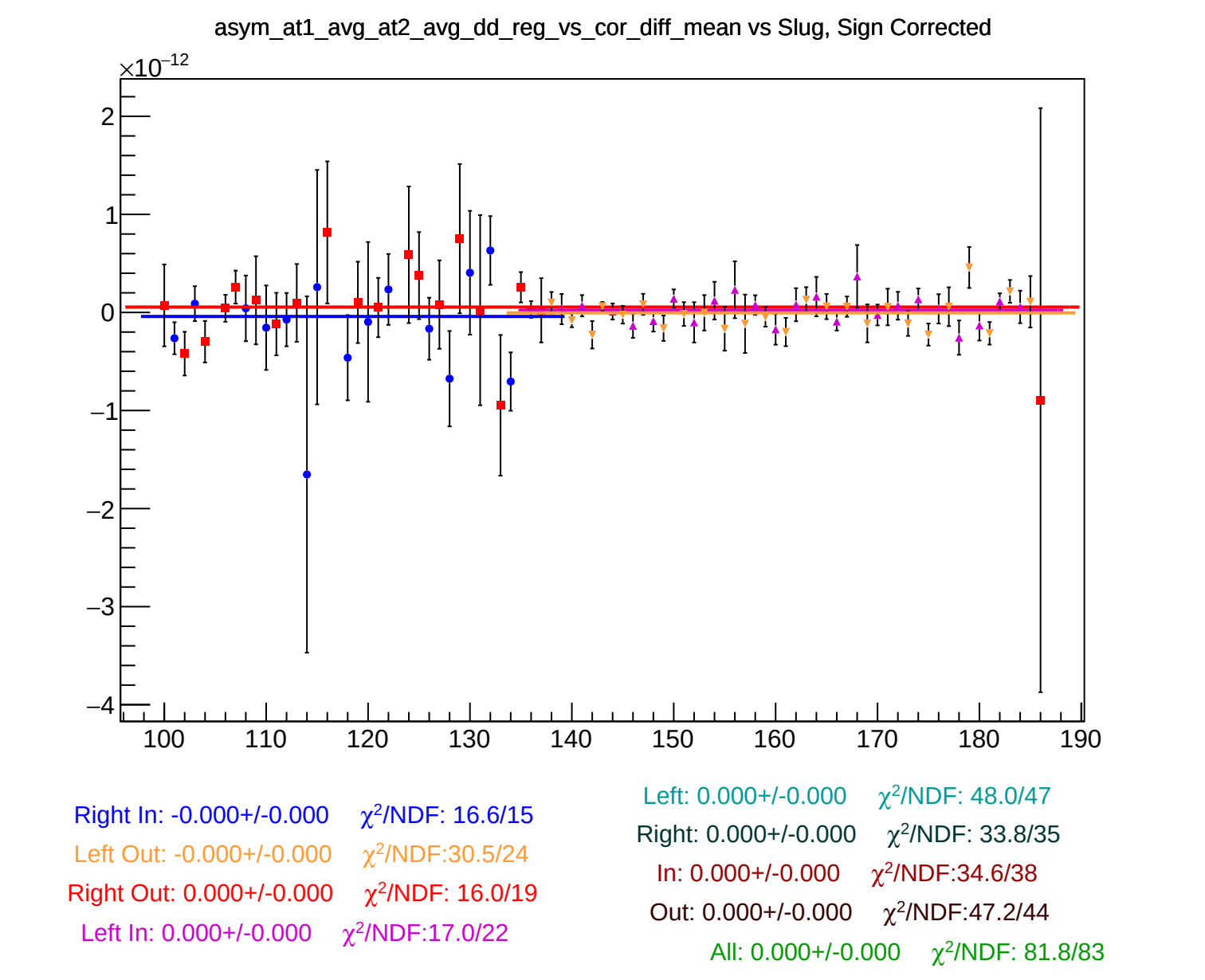
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

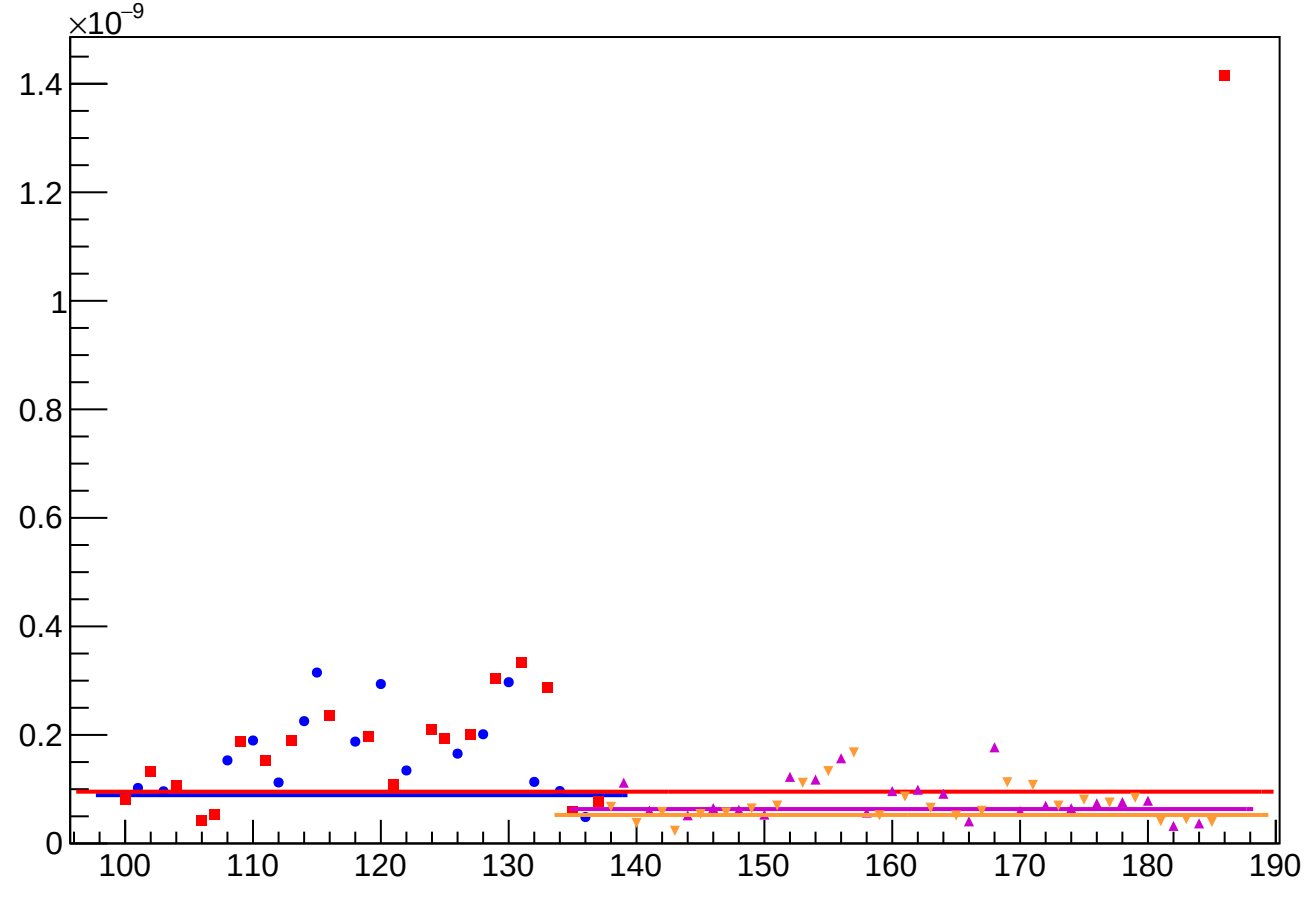
Right: 3652.362+/-0.683 χ^2/NDF: 1220535.6/35

In: 4182.864+/-0.597 χ^2/NDF:1707199.7/38

Out: 3955.508+/-0.555 χ^2/NDF:2915149.5/44

All: 4060.897+/-0.406 χ^2/NDF: 4700224.5/83


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: 16.6/15
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: 33.8/35
In: 0.000+/-0.000 χ²/NDF:34.6/38
Out: 0.000+/-0.000 χ²/NDF:47.2/44
All: 0.000+/-0.000 χ²/NDF: 81.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

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

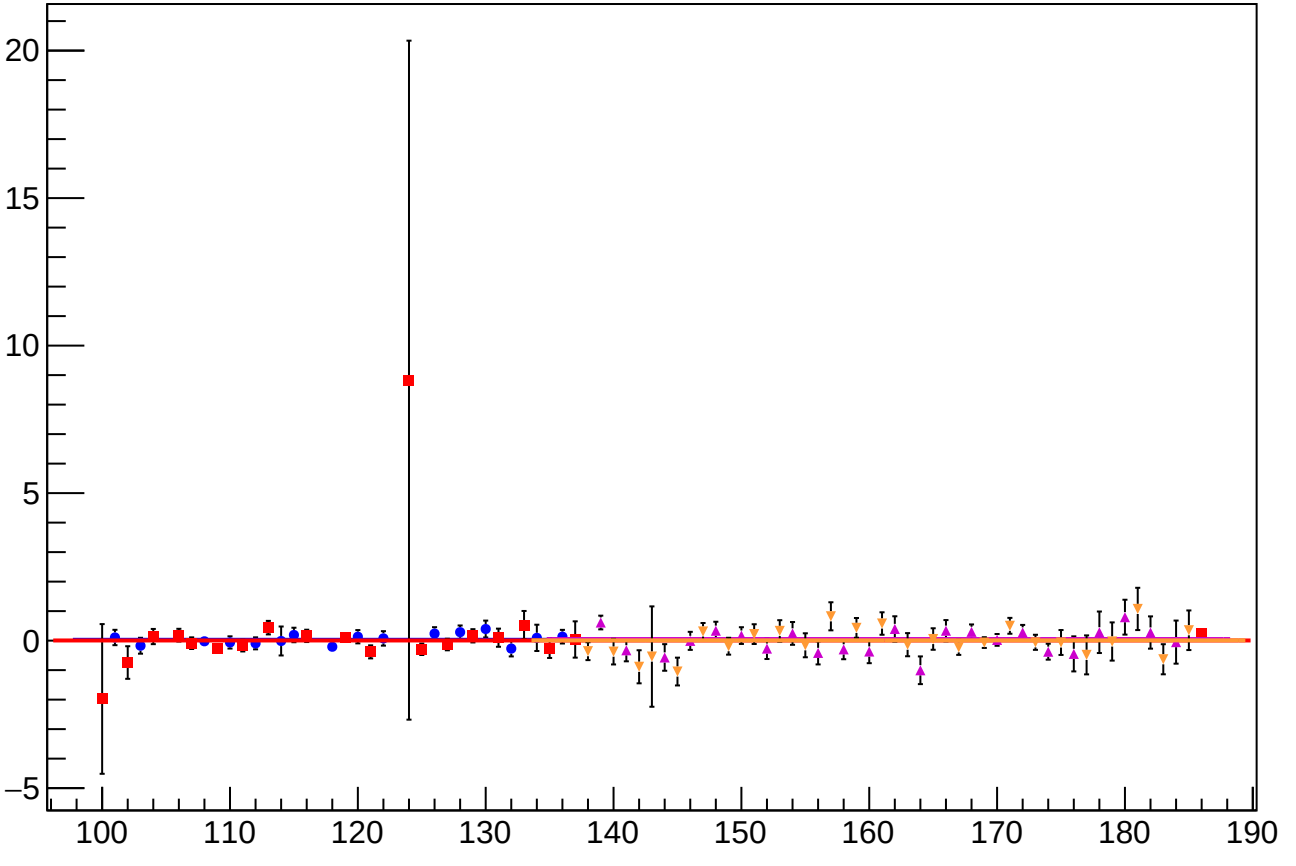
Right: 0.000+/-0.000 χ^2/NDF: 3598681.8/35

In: 0.000+/-0.000 χ^2/NDF:3563581.8/38

Out: 0.000+/-0.000 χ^2/NDF:5559371.3/44

All: 0.000+/-0.000 χ^2/NDF: 9339600.5/83

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

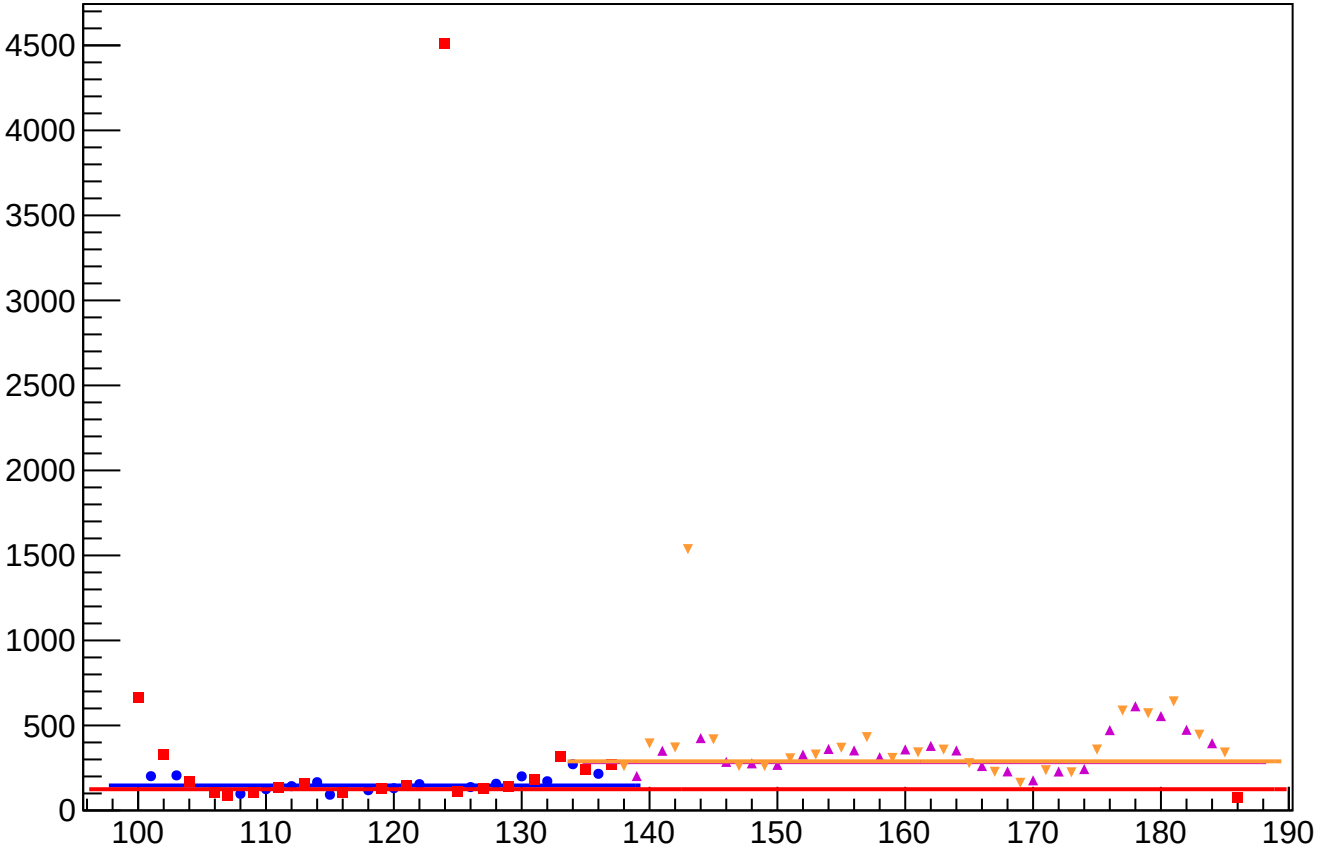
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 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

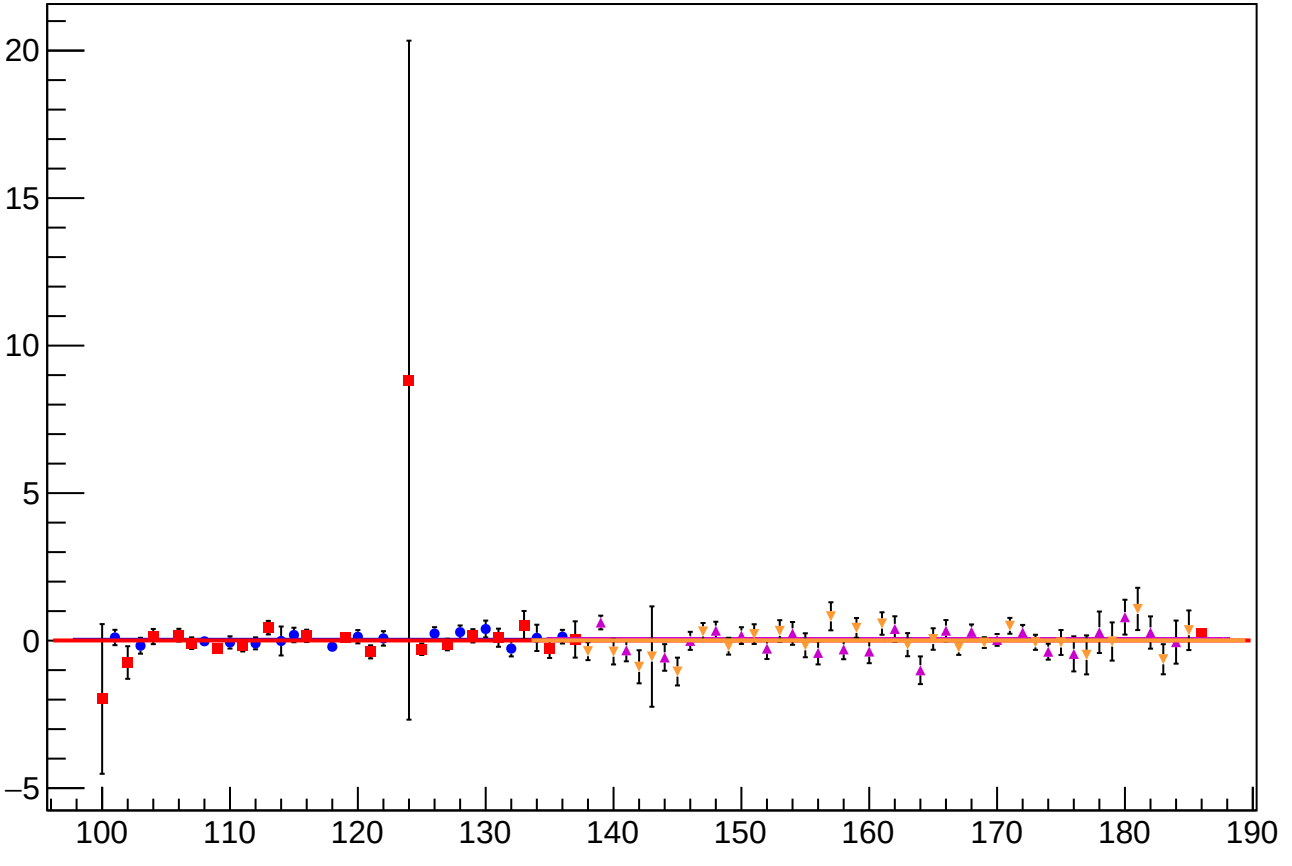
Right: 134.351+/-0.027 χ^2/NDF: 3153585.6/35

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

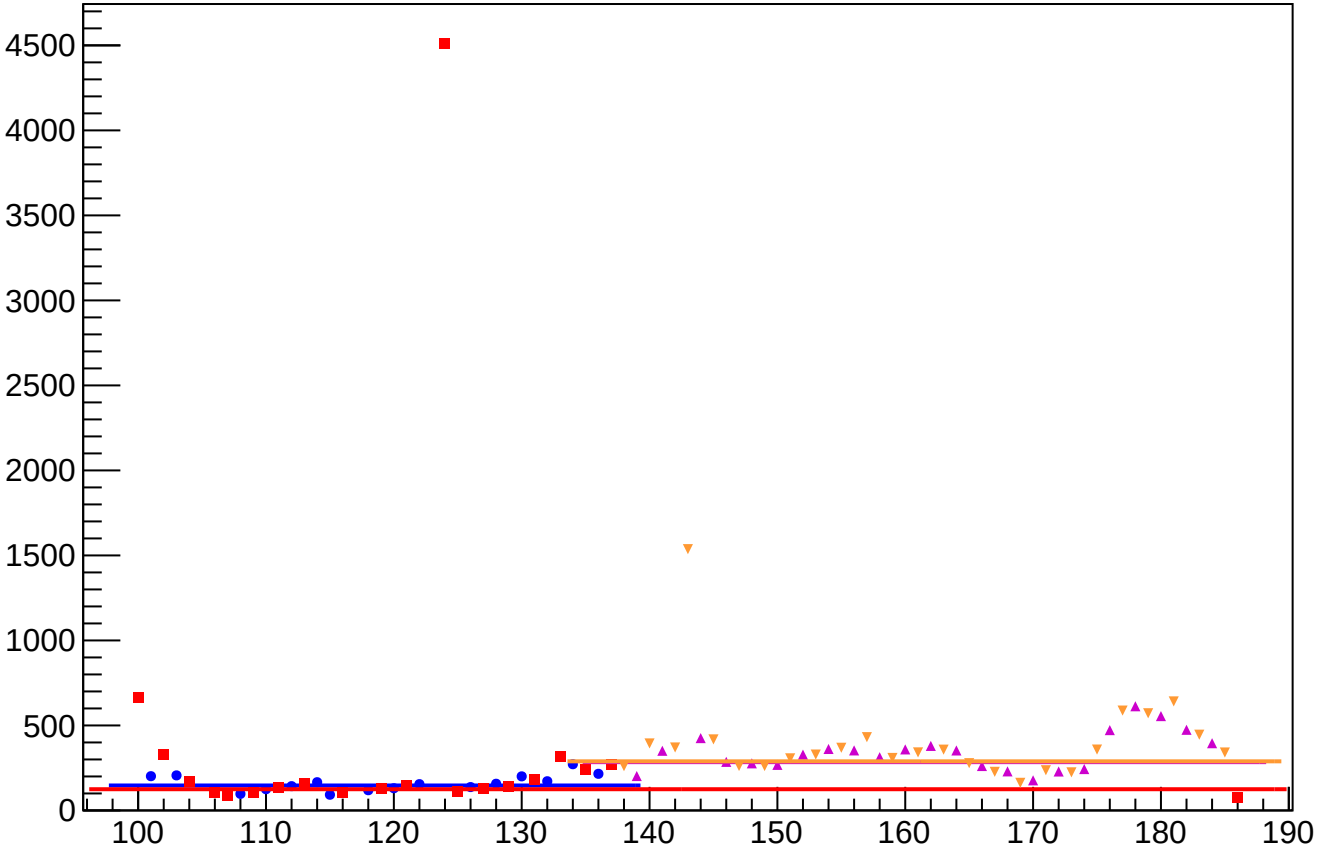
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 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

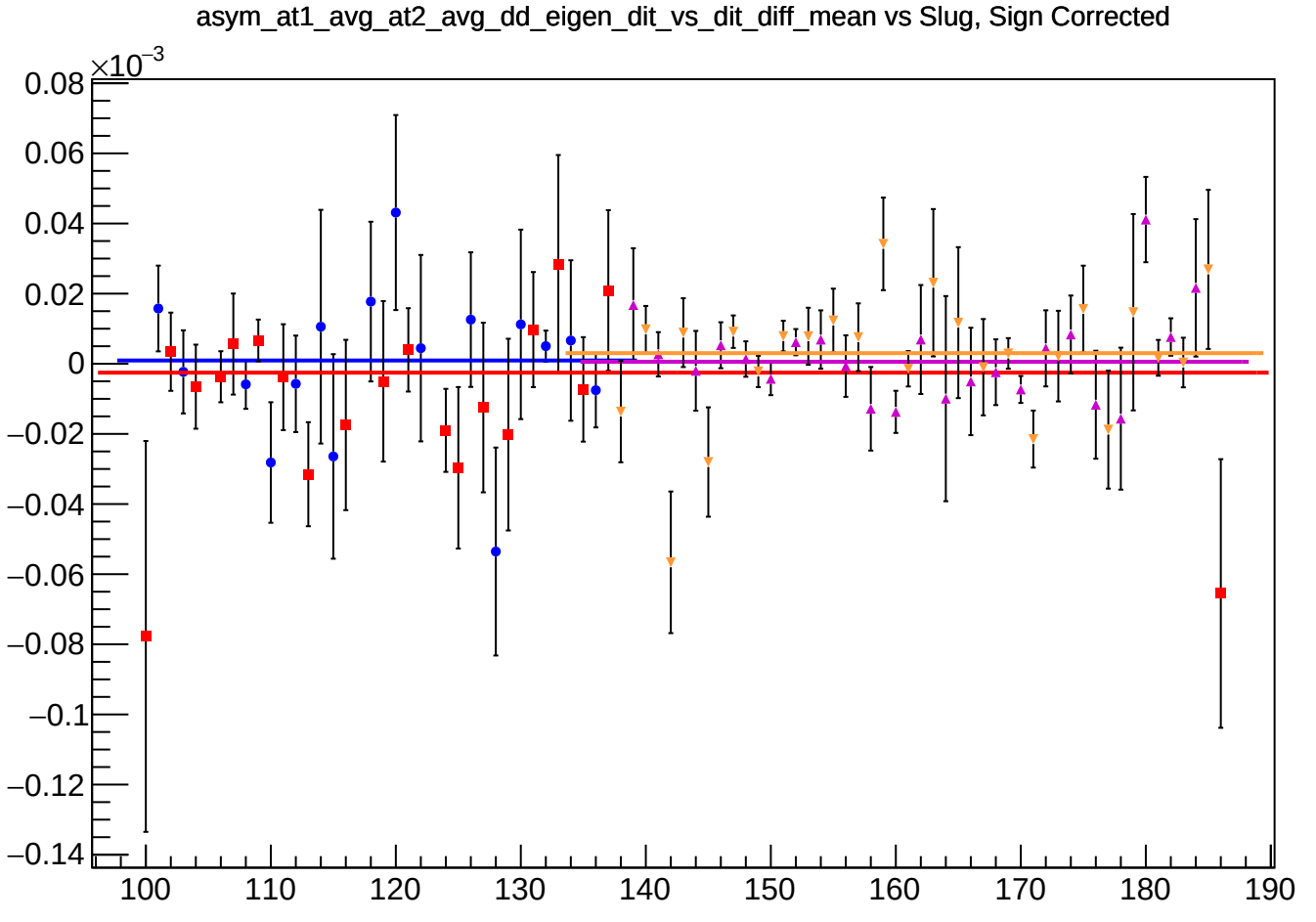
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

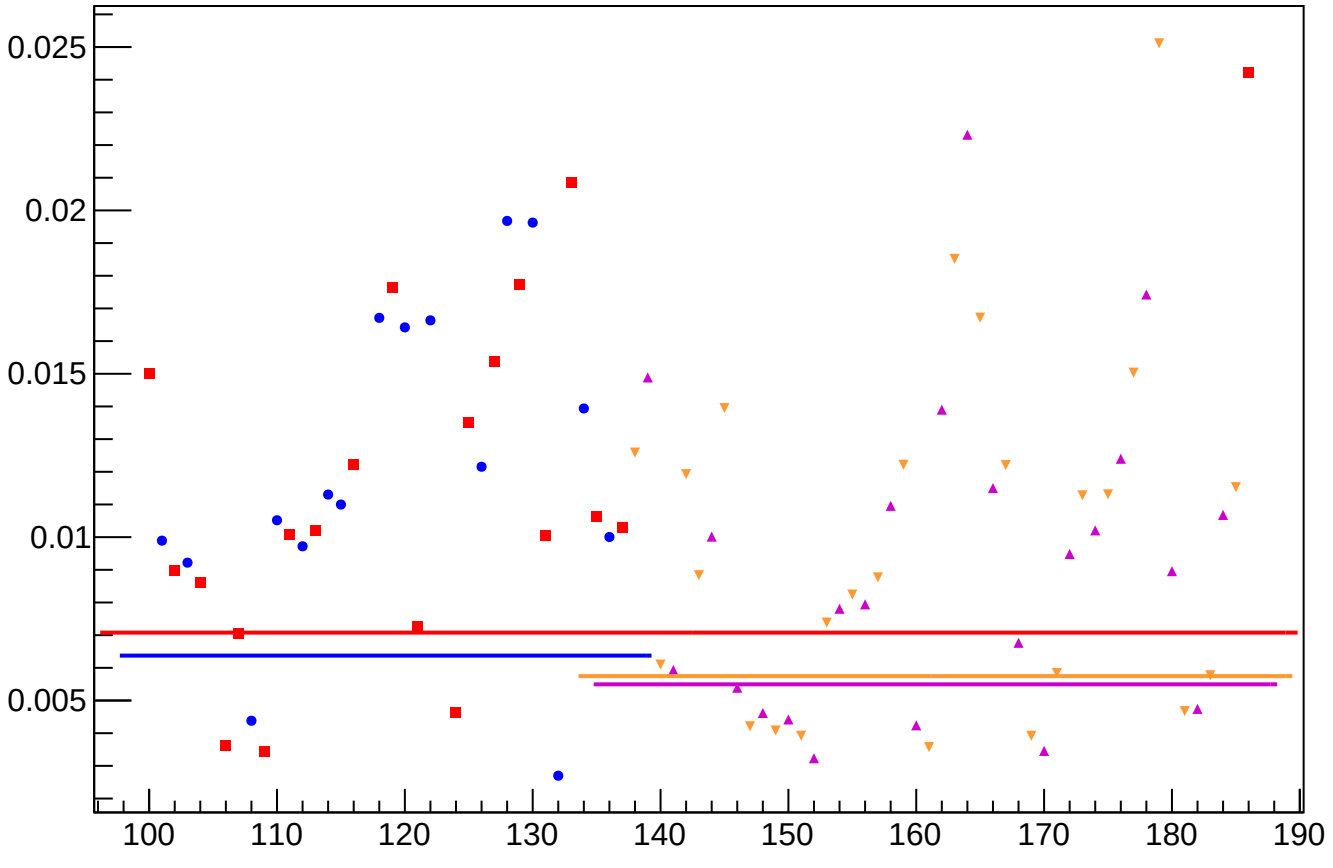
Right: 134.351+/-0.027 χ^2/NDF: 3153585.6/35

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83


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: 14.9/15
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: 34.3/35
In: 0.000+/-0.000 χ²/NDF:48.1/38
Out: 0.000+/-0.000 χ²/NDF:63.7/44
All: 0.000+/-0.000 χ²/NDF: 112.2/83



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

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

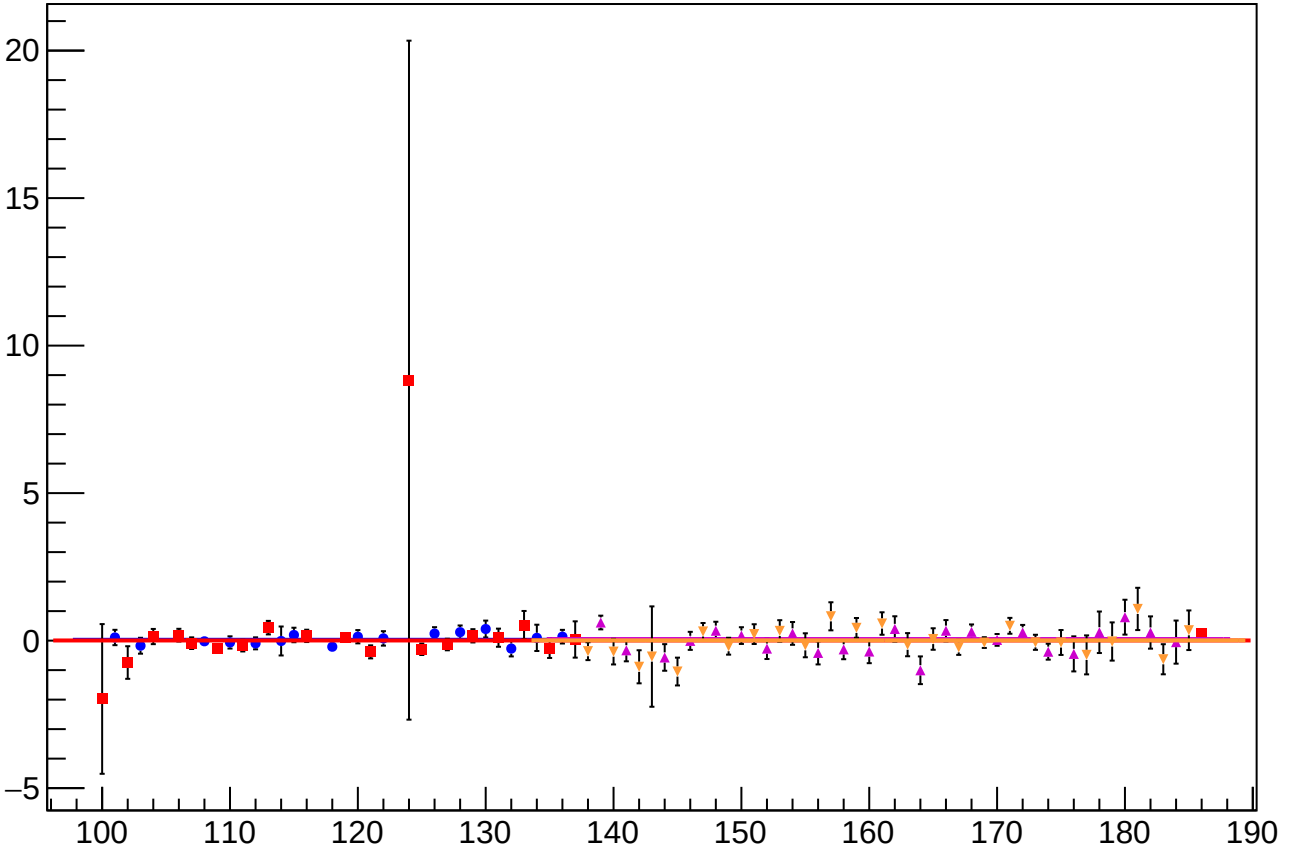
Right: 0.007+/-0.000 χ^2/NDF: 8509390.5/35

In: 0.006+/-0.000 χ^2/NDF:11719179.9/38

Out: 0.006+/-0.000 χ^2/NDF:12254012.6/44

All: 0.006+/-0.000 χ^2/NDF: 24035502.7/83

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

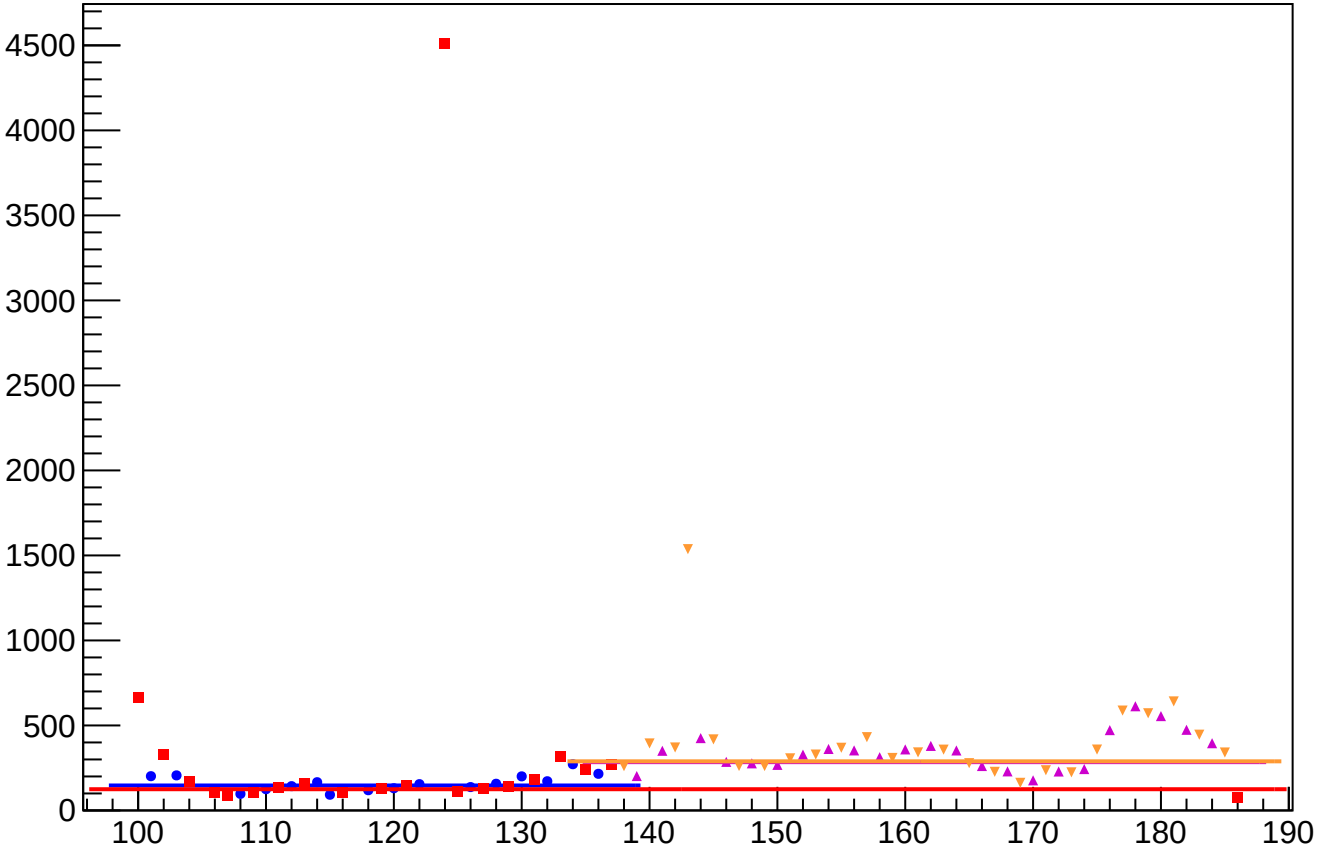
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 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

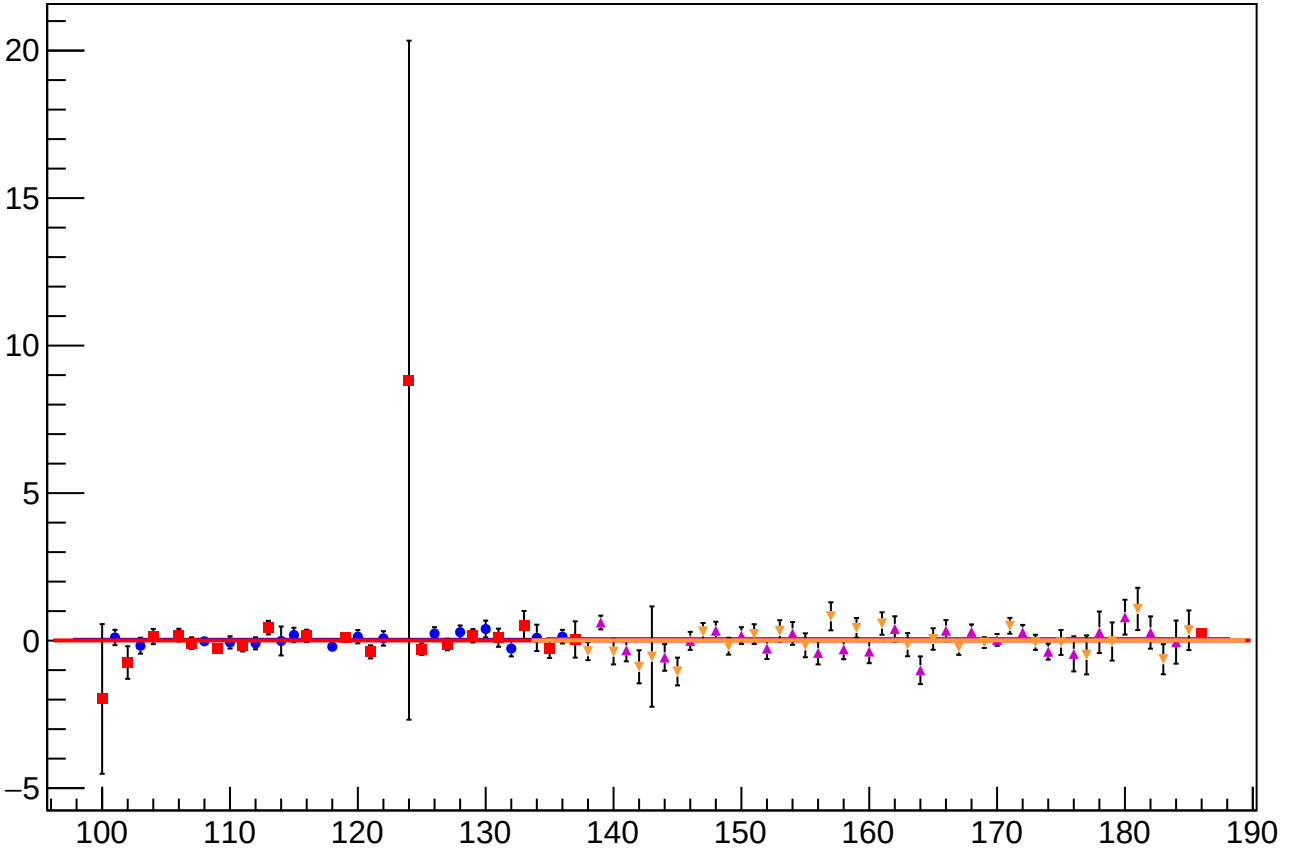
Right: 134.352+/-0.027 χ^2/NDF: 3153389.1/35

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

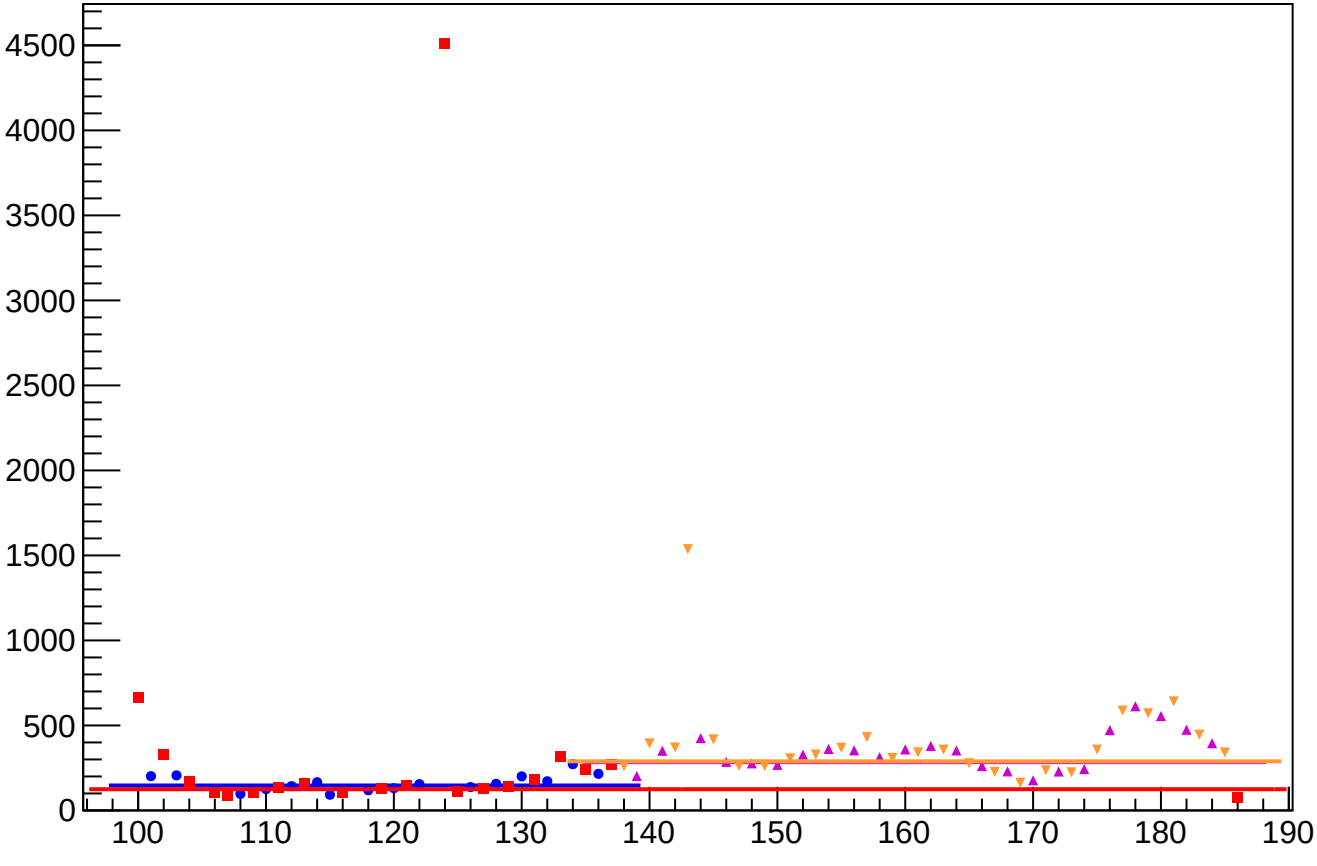
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 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

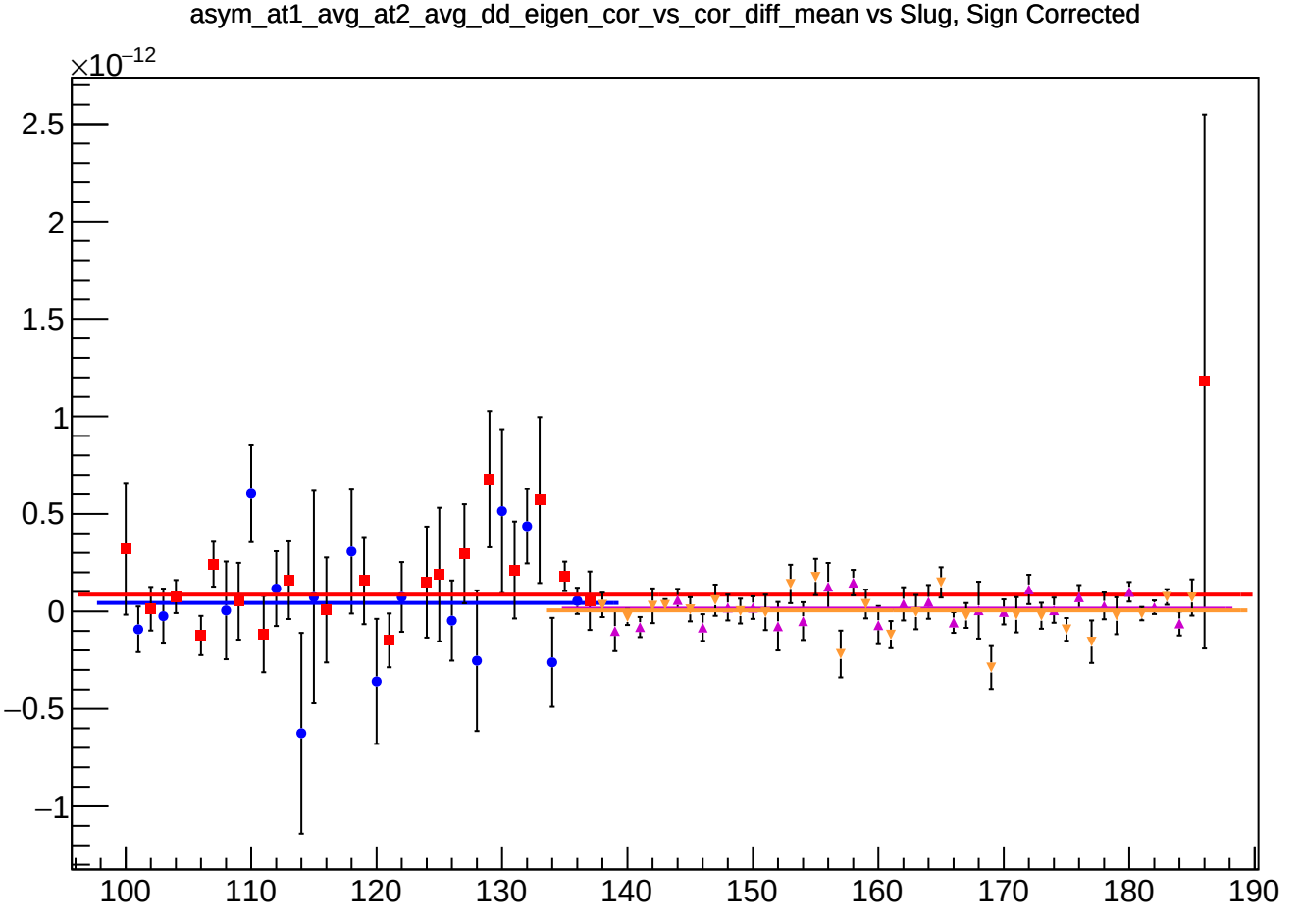
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 134.352+/-0.027 χ^2/NDF: 3153389.1/35

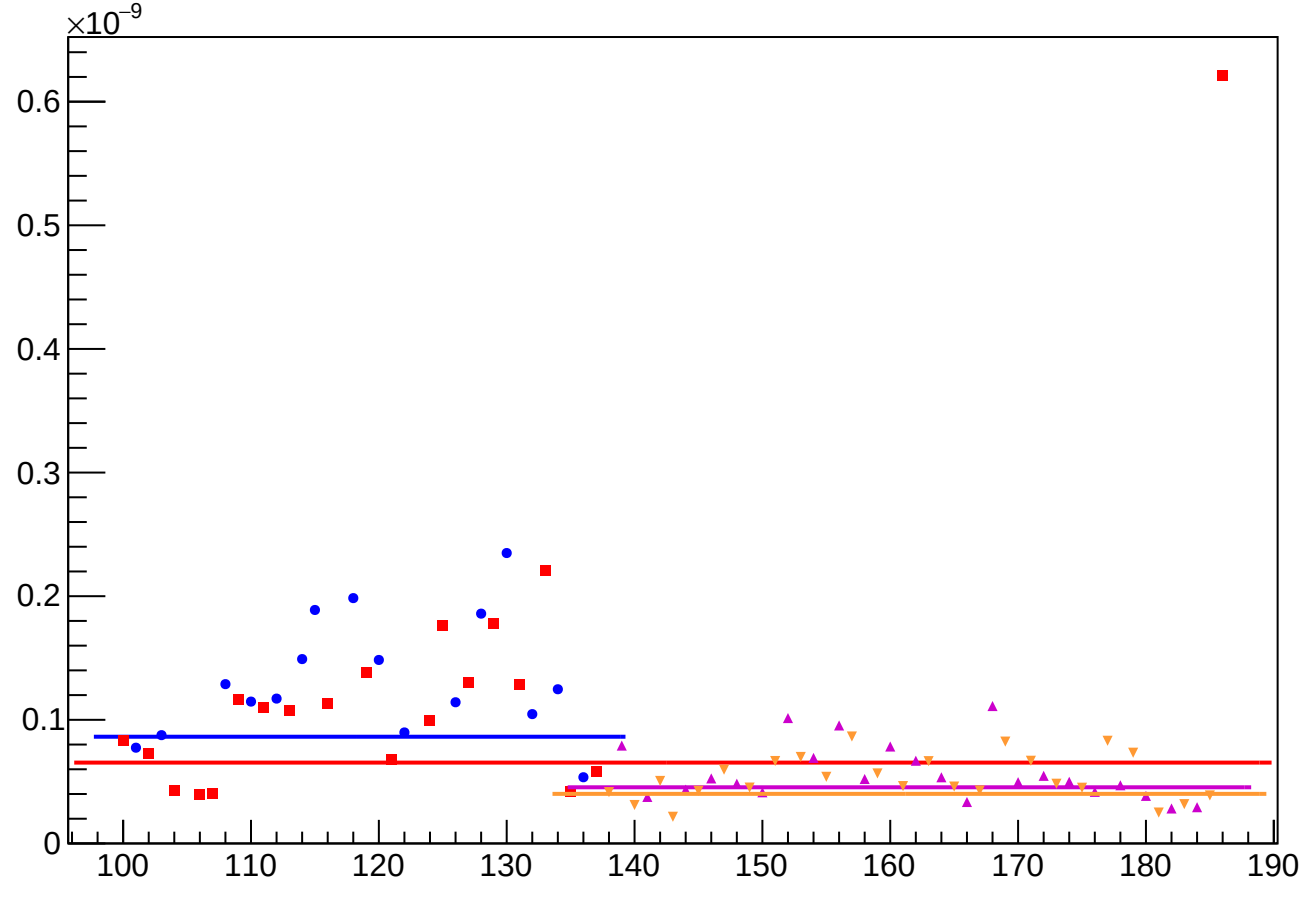
In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83


asym_at1_avg_at2_avg_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: 19.0/15
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: 38.4/35
In: 0.000+/-0.000 χ²/NDF:42.6/38
Out: 0.000+/-0.000 χ²/NDF:57.9/44
All: 0.000+/-0.000 χ²/NDF: 100.5/83

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

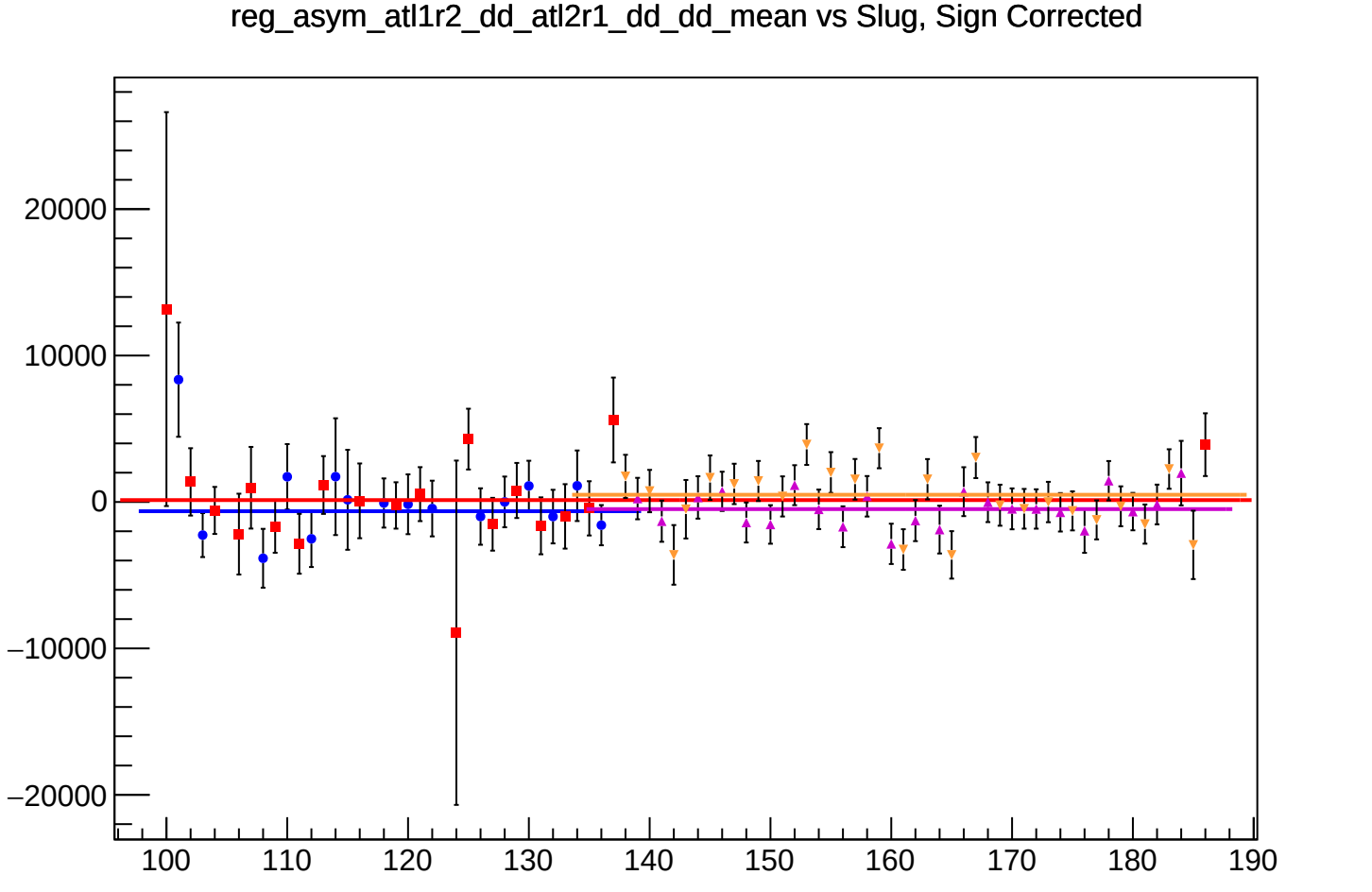
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

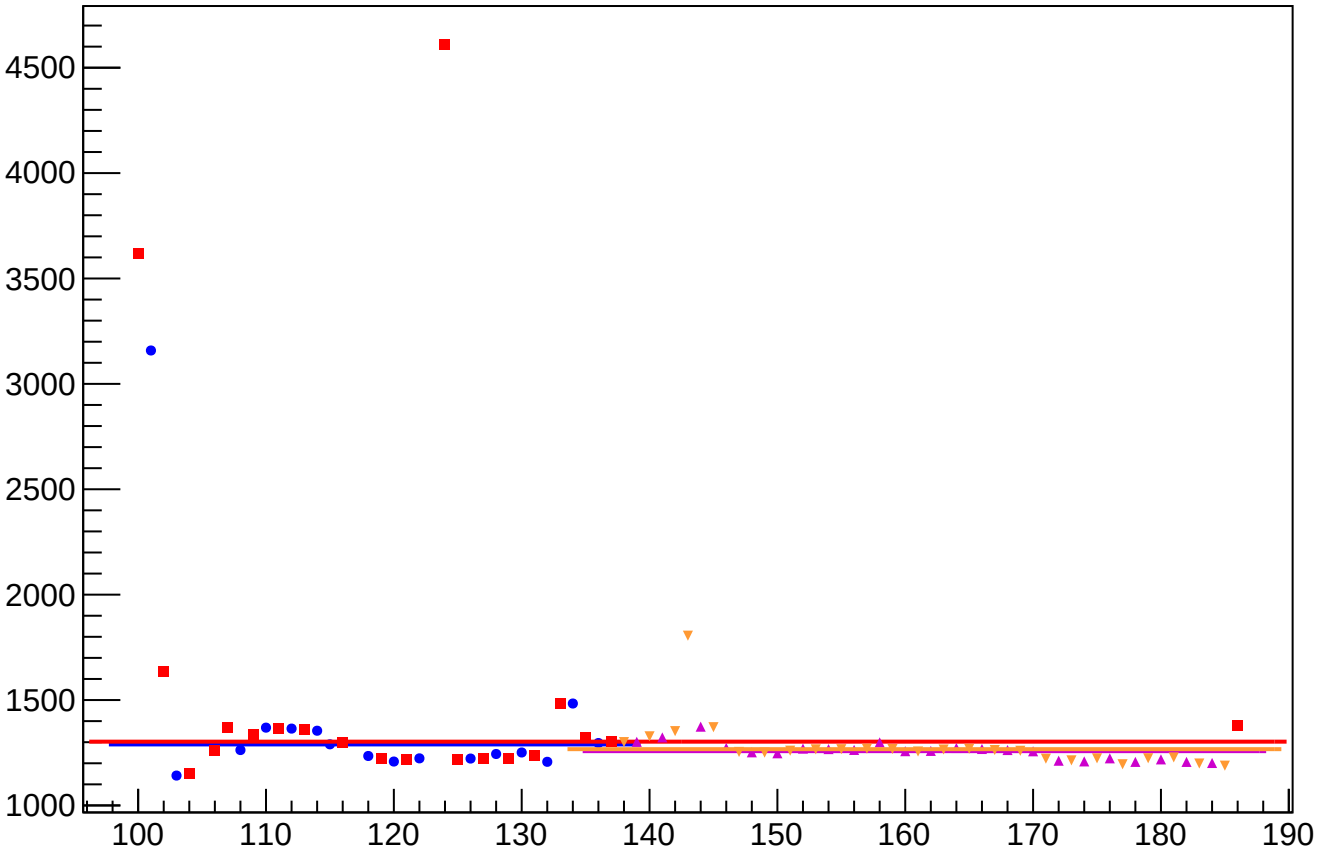
Right: 0.000+/-0.000 χ^2/NDF: 4346398.9/35

In: 0.000+/-0.000 χ^2/NDF:6009064.6/38

Out: 0.000+/-0.000 χ^2/NDF:7066418.6/44

All: 0.000+/-0.000 χ^2/NDF: 13331301.7/83


reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -631.041+/-488.663 χ²/NDF: 13.9/15
Left Out: 492.062+/-288.495 χ²/NDF:46.9/24
Right Out: 128.473+/-475.595 χ²/NDF: 19.1/19
Left In: -486.821+/-293.769 χ²/NDF:14.4/22
Left: 11.486+/-205.836 χ²/NDF: 67.0/47
Right: -240.993+/-340.823 χ²/NDF: 34.3/35
In: -525.107+/-251.775 χ²/NDF:28.4/38
Out: 394.262+/-246.662 χ²/NDF:66.5/44
All: -55.992+/-176.196 χ²/NDF: 101.7/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

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

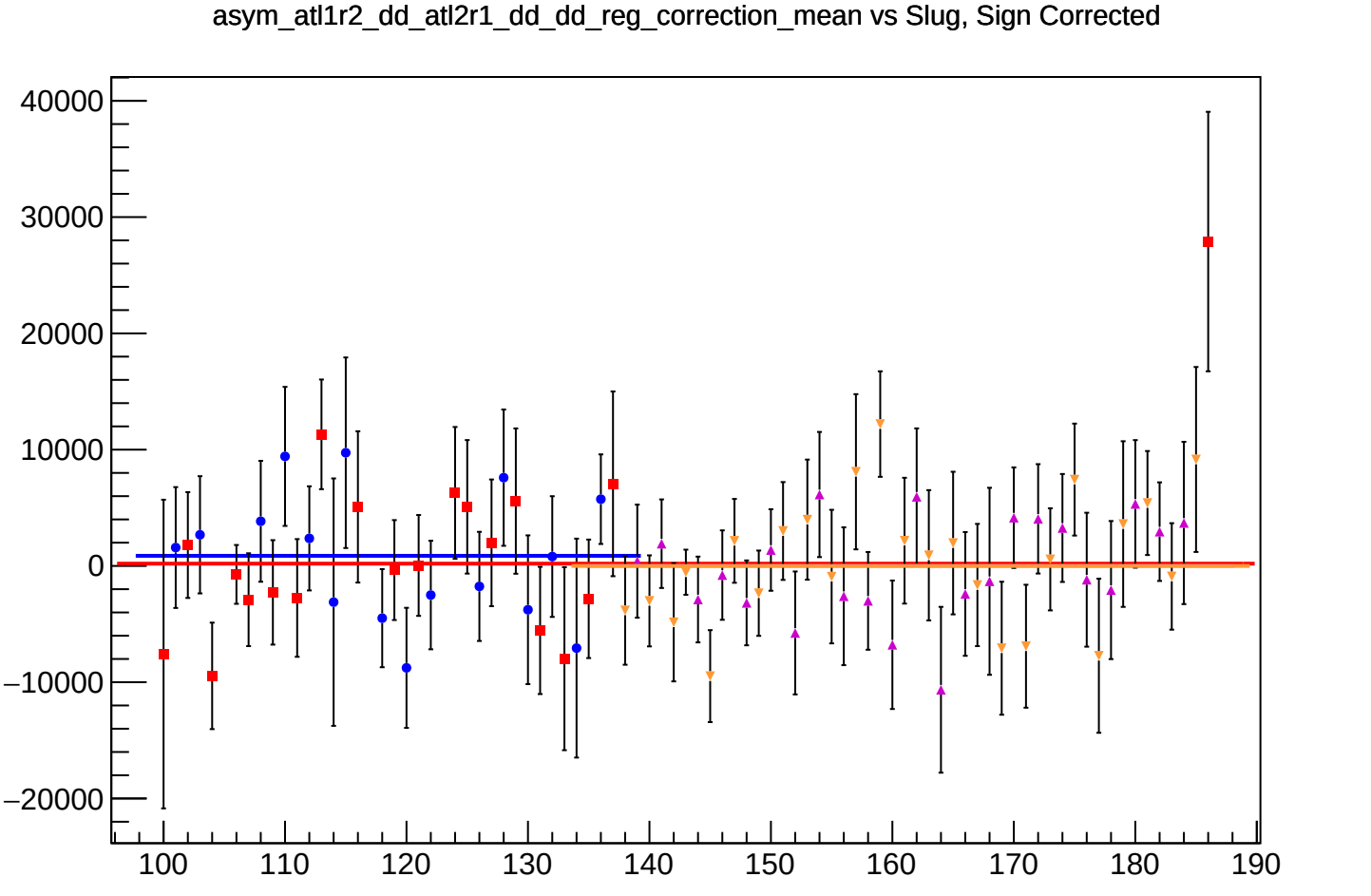
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1296.211+/-0.241 χ^2/NDF: 837430.3/35

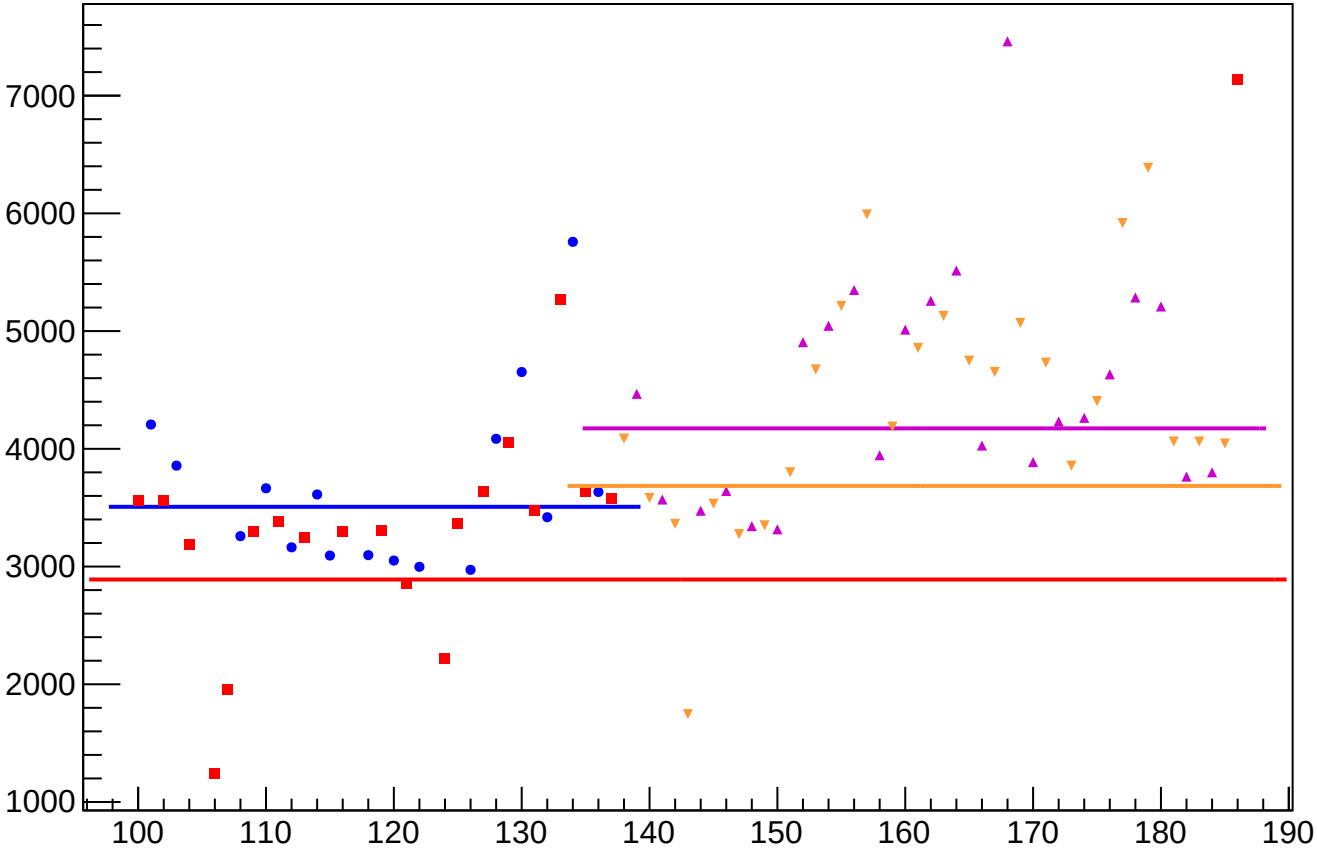
In: 1266.024+/-0.178 χ^2/NDF:557757.7/38

Out: 1276.579+/-0.174 χ^2/NDF:517783.0/44

All: 1271.413+/-0.125 χ^2/NDF: 1077335.4/83


asym_atl1r2_dd_atl2r1_dd_dd_reg_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: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 197.309+/-1105.607 χ²/NDF: 24.6/19
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 473.479+/-848.970 χ²/NDF: 38.8/35
In: 334.066+/-795.878 χ²/NDF:28.3/38
Out: 76.843+/-691.619 χ²/NDF:53.7/44
All: 187.514+/-522.045 χ²/NDF: 82.1/83

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 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

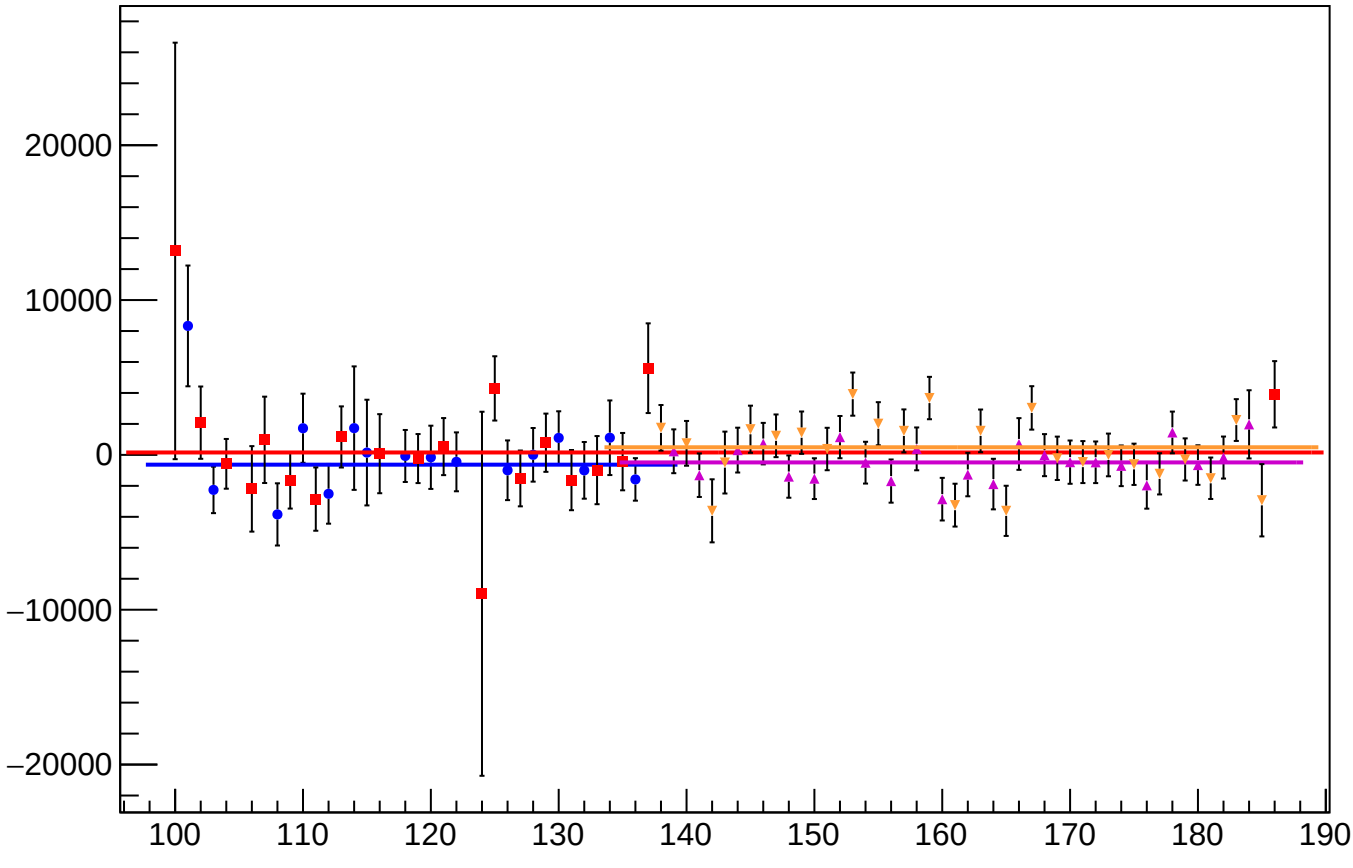
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3143.335+/-0.600 χ^2/NDF: 2402198.4/35

In: 3933.310+/-0.563 χ^2/NDF:1952031.0/38

Out: 3373.744+/-0.489 χ^2/NDF:6115030.3/44

All: 3614.499+/-0.369 χ^2/NDF: 8630338.2/83



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

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

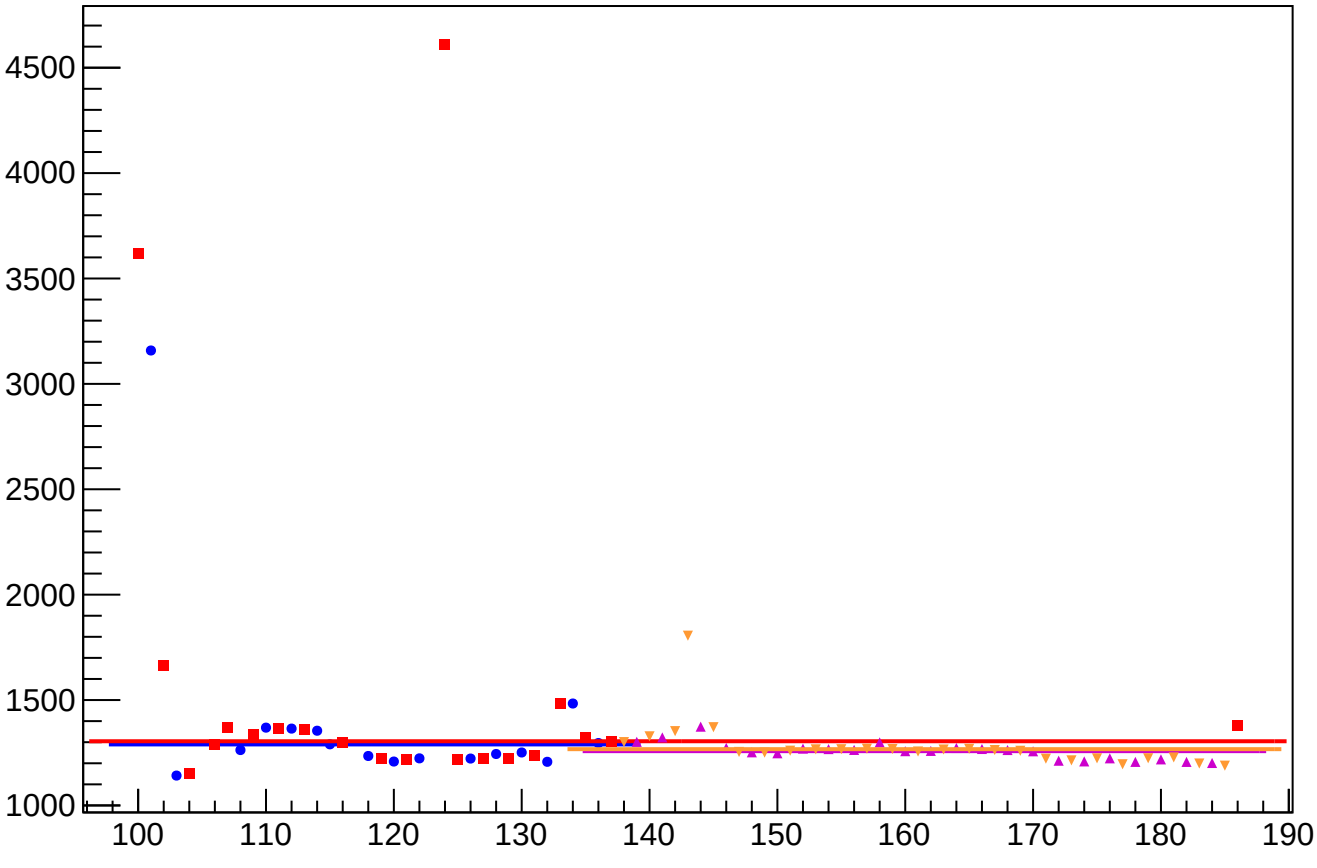
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -227.140+/-340.933 χ^2/NDF: 34.8/35

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -52.217+/-176.211 χ^2/NDF: 102.1/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

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

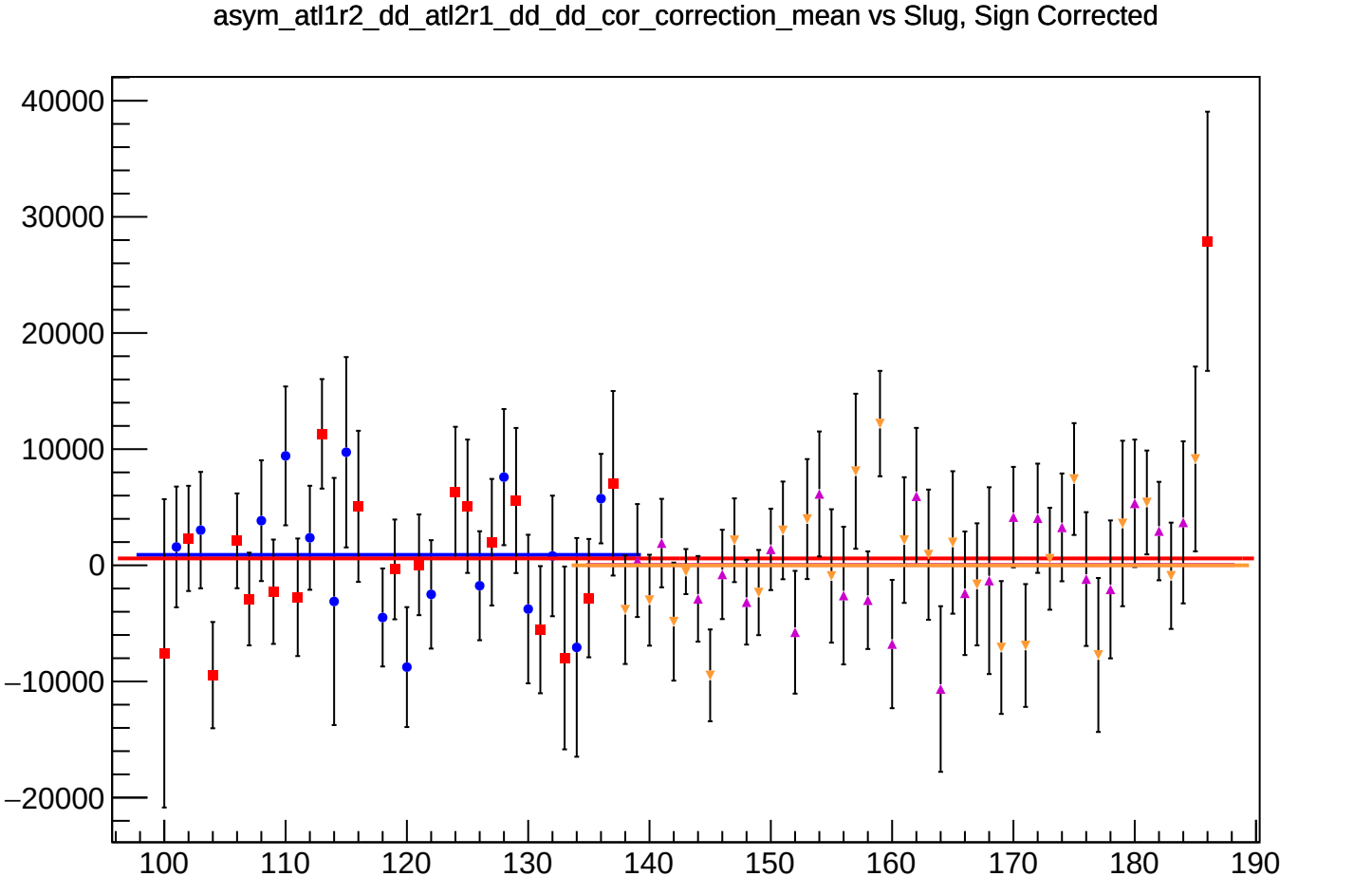
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.200+/-0.241 χ^2/NDF: 844065.8/35

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

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

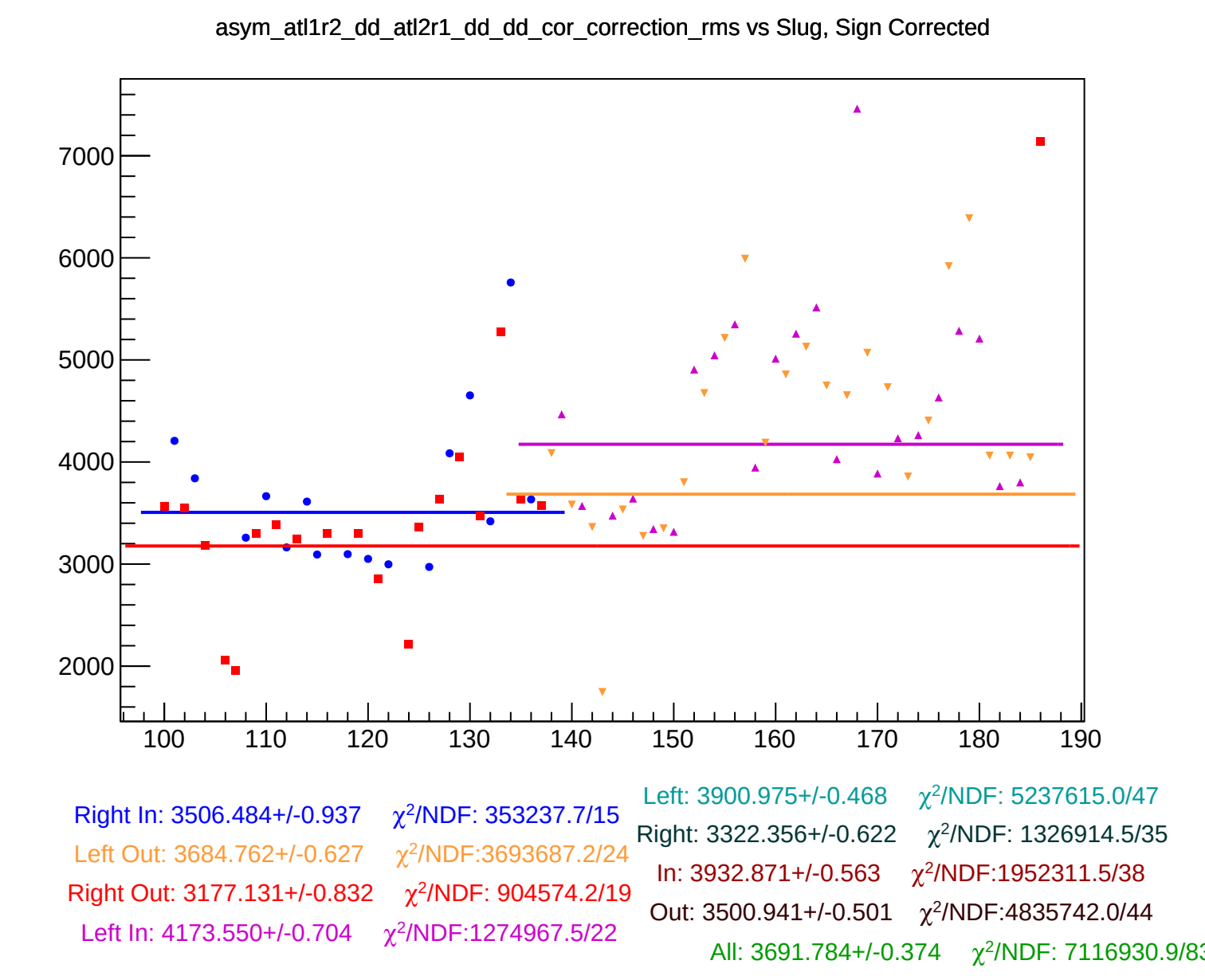
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

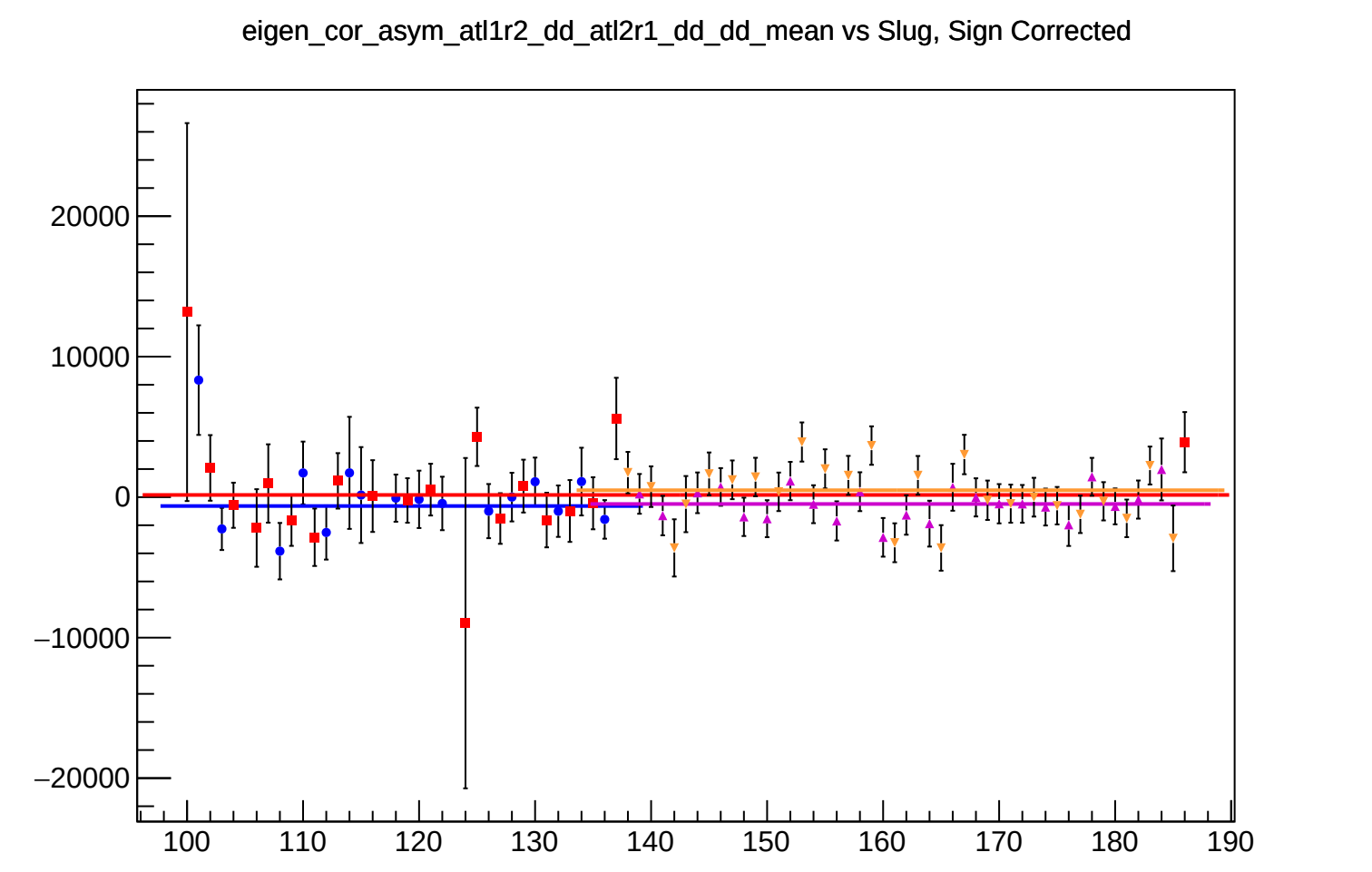
Right: 725.474+/-879.728 χ^2/NDF: 38.8/35

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 271.015+/-528.961 χ^2/NDF: 82.3/83


asym_atl1r2_dd_atl2r1_dd_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: 3506.484+/-0.937 χ²/NDF: 353237.7/15
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: 3322.356+/-0.622 χ²/NDF: 1326914.5/35
In: 3932.871+/-0.563 χ²/NDF:1952311.5/38
Out: 3500.941+/-0.501 χ²/NDF:4835742.0/44
All: 3691.784+/-0.374 χ²/NDF: 7116930.9/83



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

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

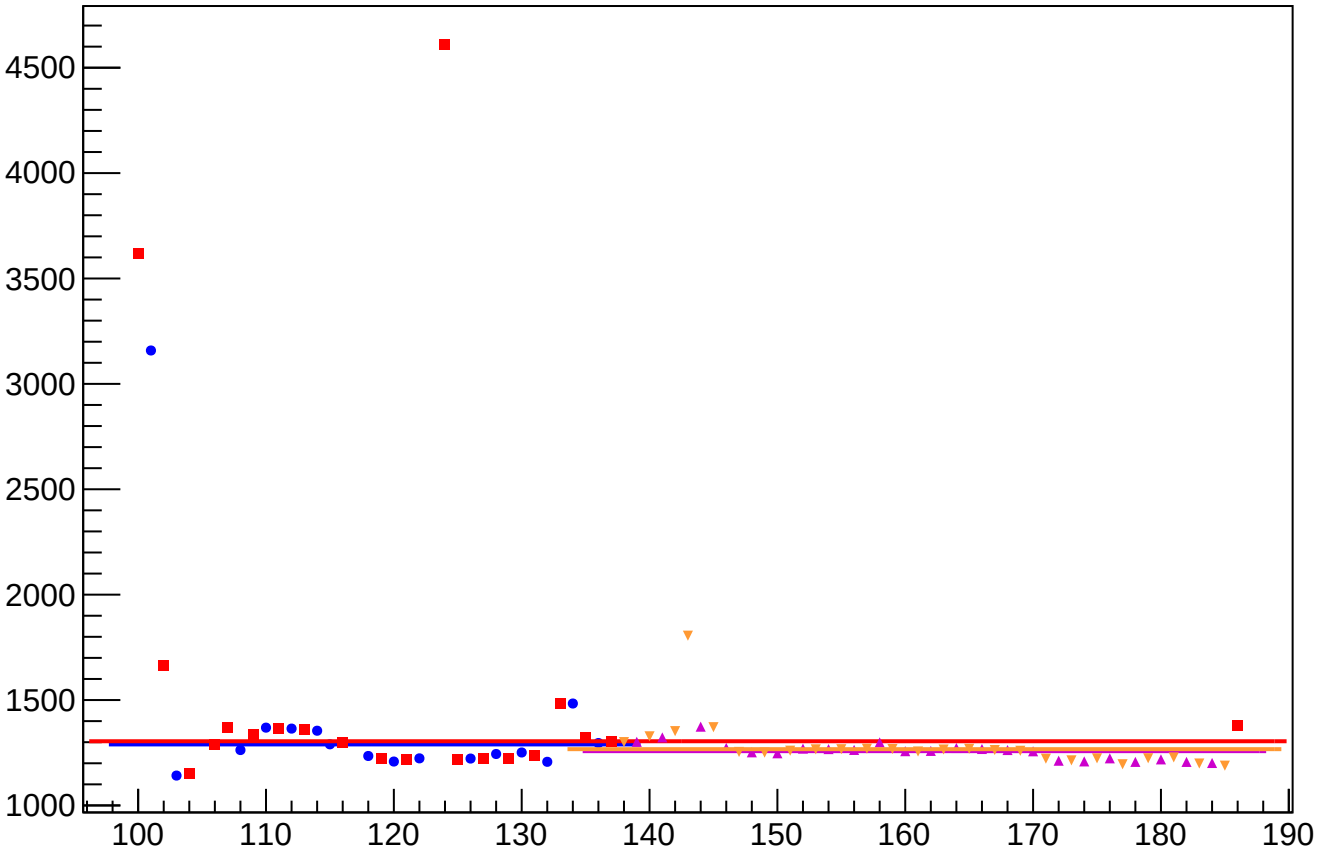
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -227.140+/-340.933 χ^2/NDF: 34.8/35

In: -525.134+/-251.775 χ^2/NDF:28.4/38

Out: 401.841+/-246.703 χ^2/NDF:66.8/44

All: -52.217+/-176.211 χ^2/NDF: 102.1/83



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

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

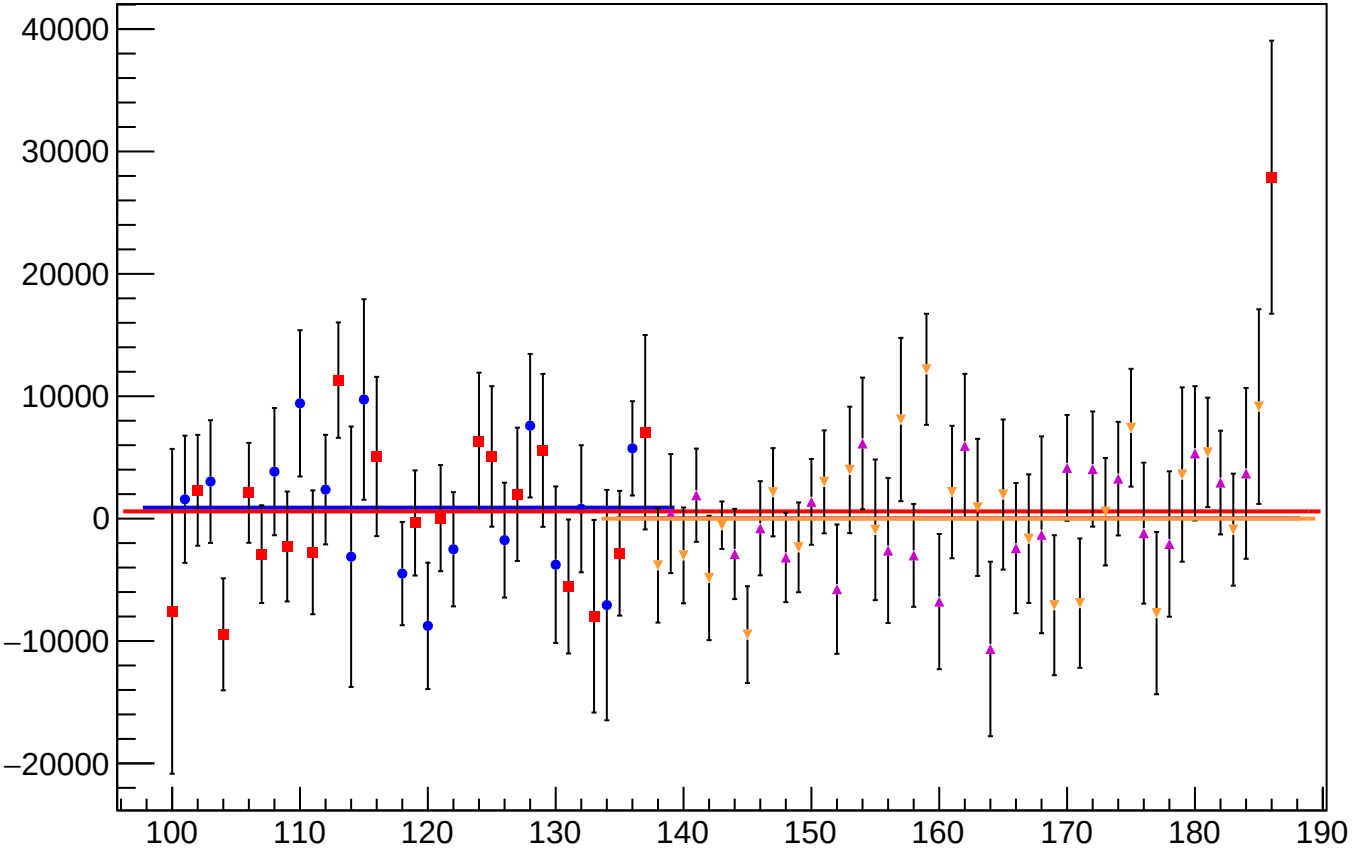
Right: 1297.200+/-0.241 χ^2/NDF: 844065.8/35

In: 1266.024+/-0.178 χ^2/NDF:557759.1/38

Out: 1277.082+/-0.174 χ^2/NDF:525085.0/44

All: 1271.668+/-0.125 χ^2/NDF: 1084813.4/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

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

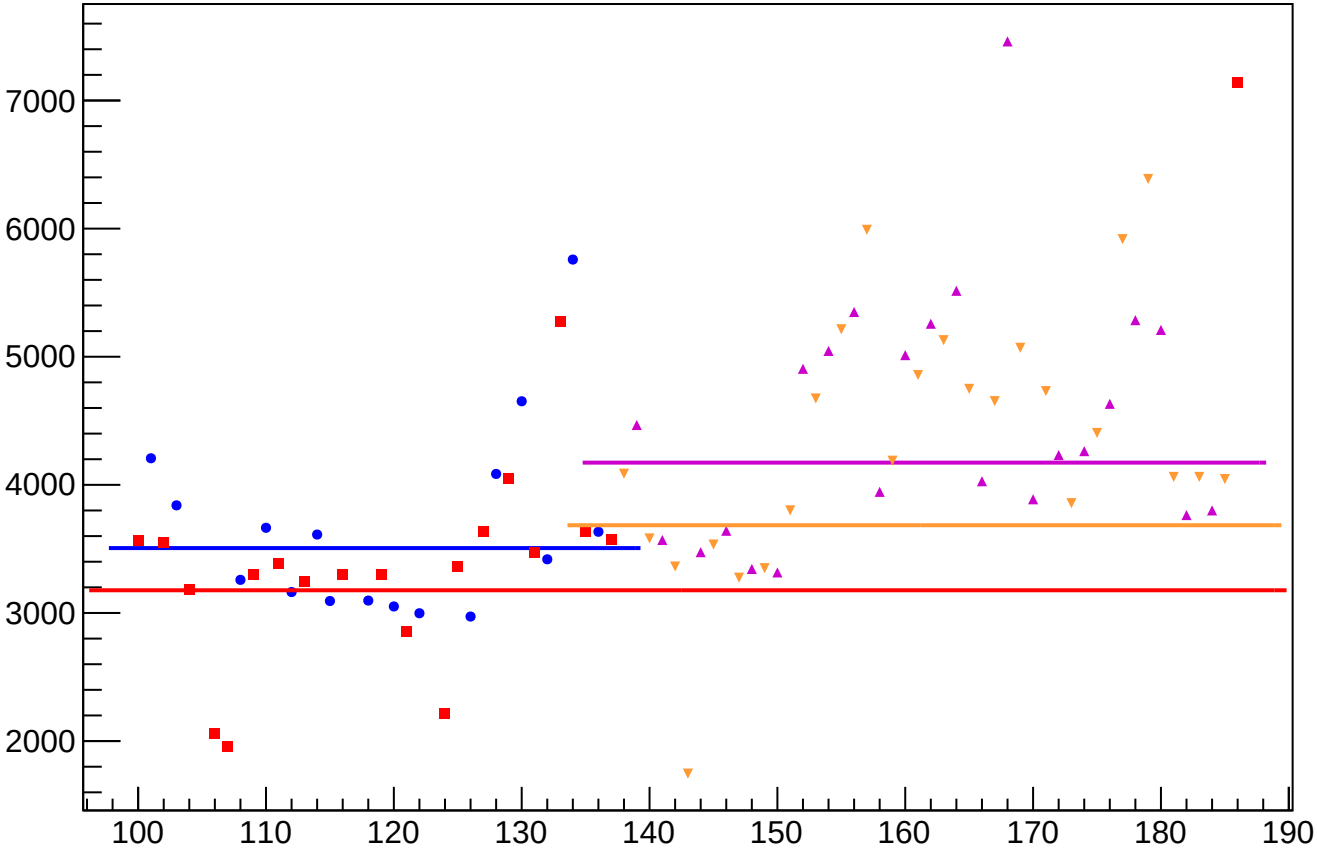
Right: 725.474+/-879.728 χ^2/NDF: 38.8/35

In: 343.481+/-795.778 χ^2/NDF:28.4/38

Out: 213.652+/-708.016 χ^2/NDF:53.9/44

All: 271.015+/-528.961 χ^2/NDF: 82.3/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 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

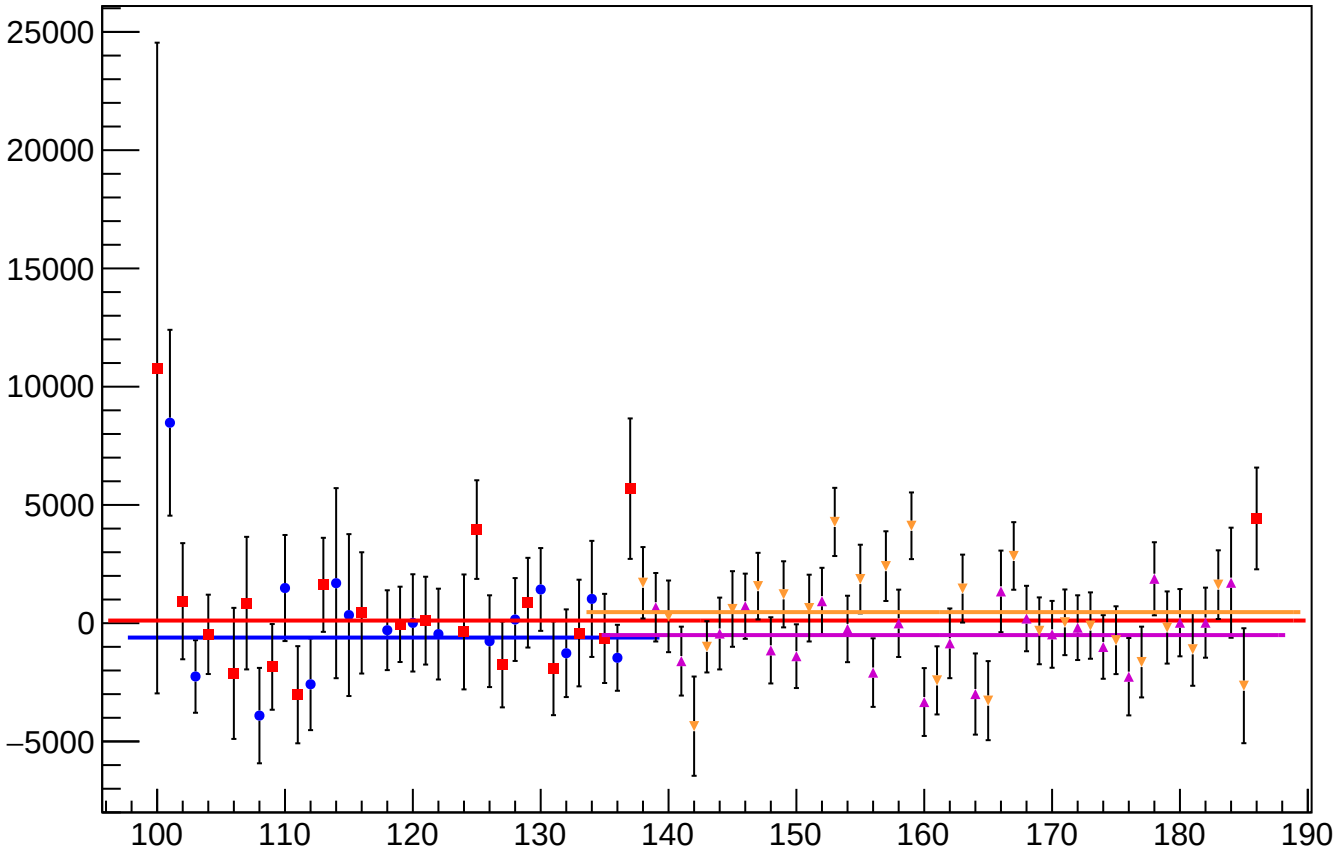
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3322.356+/-0.622 χ^2/NDF: 1326914.5/35

In: 3932.871+/-0.563 χ^2/NDF:1952311.5/38

Out: 3500.941+/-0.501 χ^2/NDF:4835742.0/44

All: 3691.784+/-0.374 χ^2/NDF: 7116930.9/83



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

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

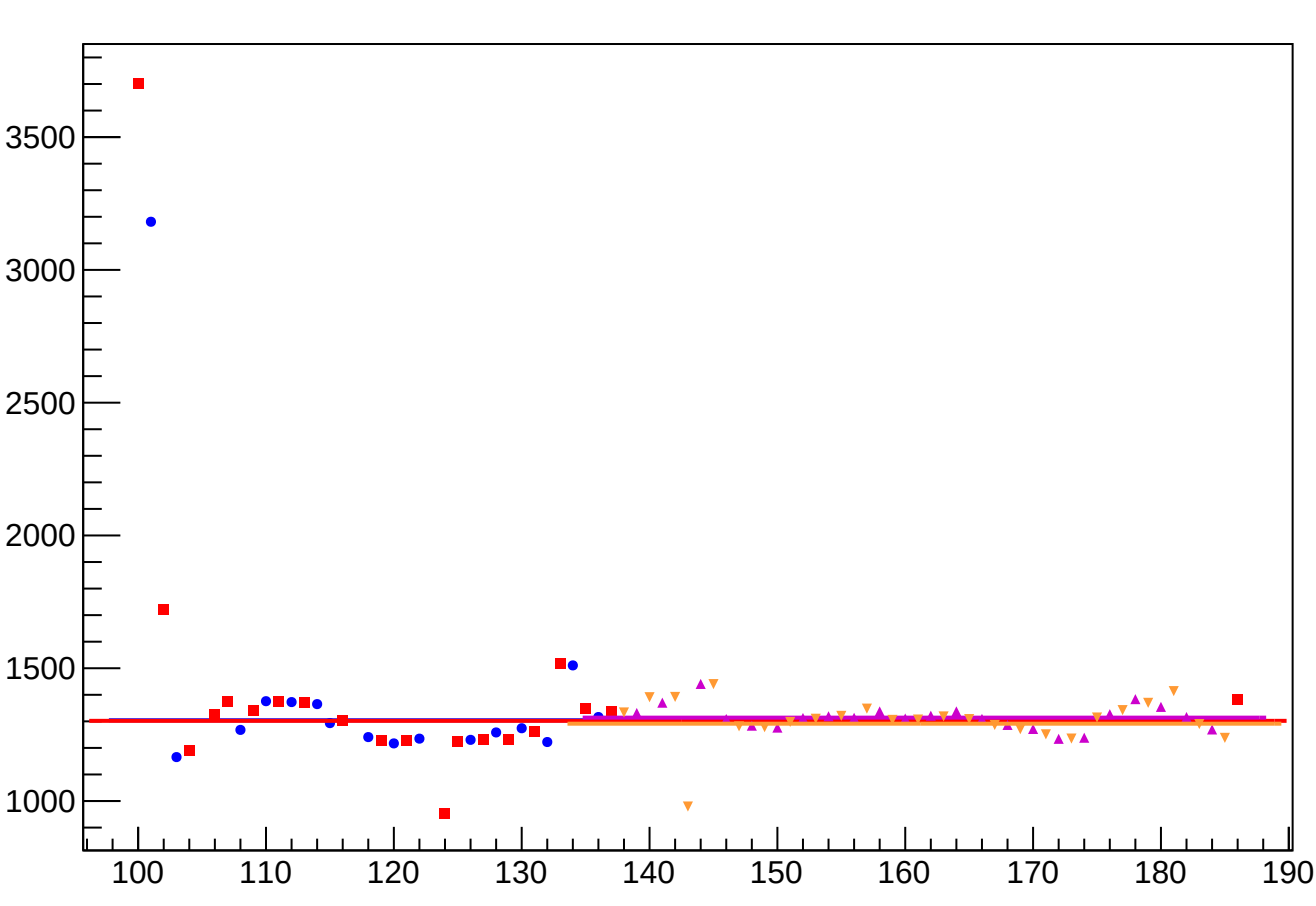
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -232.940+/-341.943 χ^2/NDF: 34.3/35

In: -532.602+/-260.810 χ^2/NDF:31.5/38

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -62.818+/-180.457 χ^2/NDF: 101.4/83



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

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

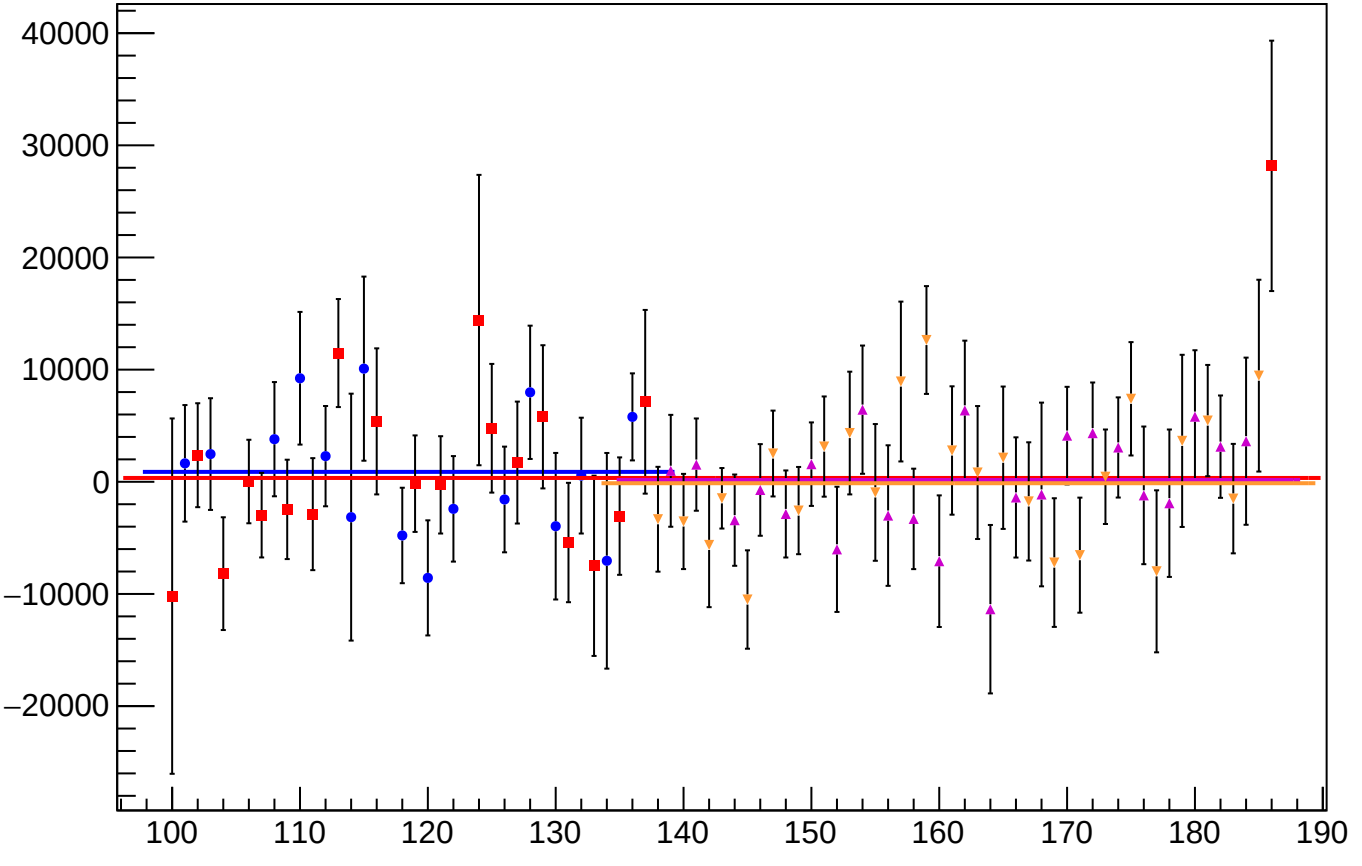
Right: 1302.980+/-0.242 χ^2/NDF: 726735.4/35

In: 1311.247+/-0.184 χ^2/NDF:554213.6/38

Out: 1294.205+/-0.177 χ^2/NDF:447604.2/44

All: 1302.362+/-0.128 χ^2/NDF: 1006270.0/83

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

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

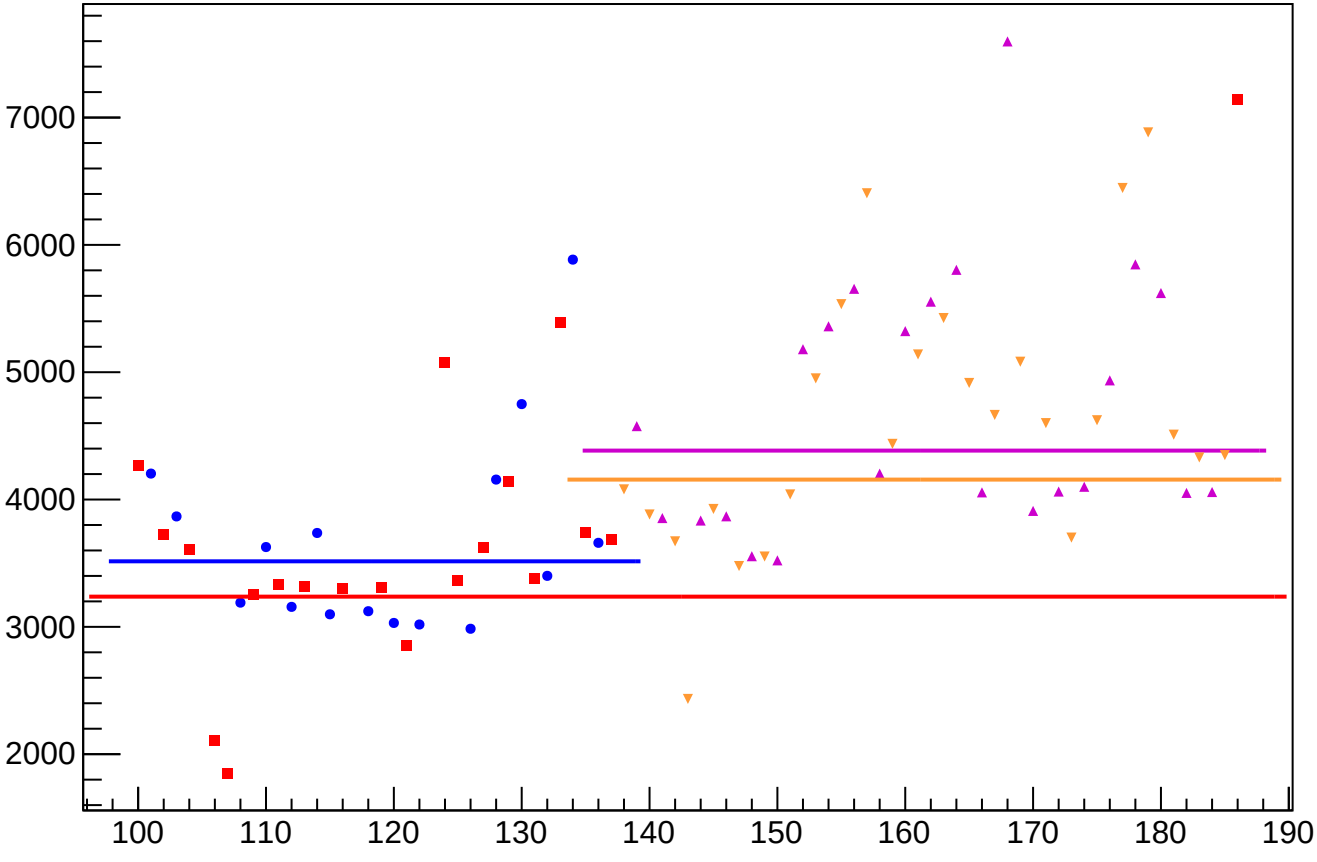
Right: 584.381+/-887.359 χ^2/NDF: 37.3/35

In: 436.874+/-821.335 χ^2/NDF:28.1/38

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 233.529+/-556.245 χ^2/NDF: 80.0/83

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 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

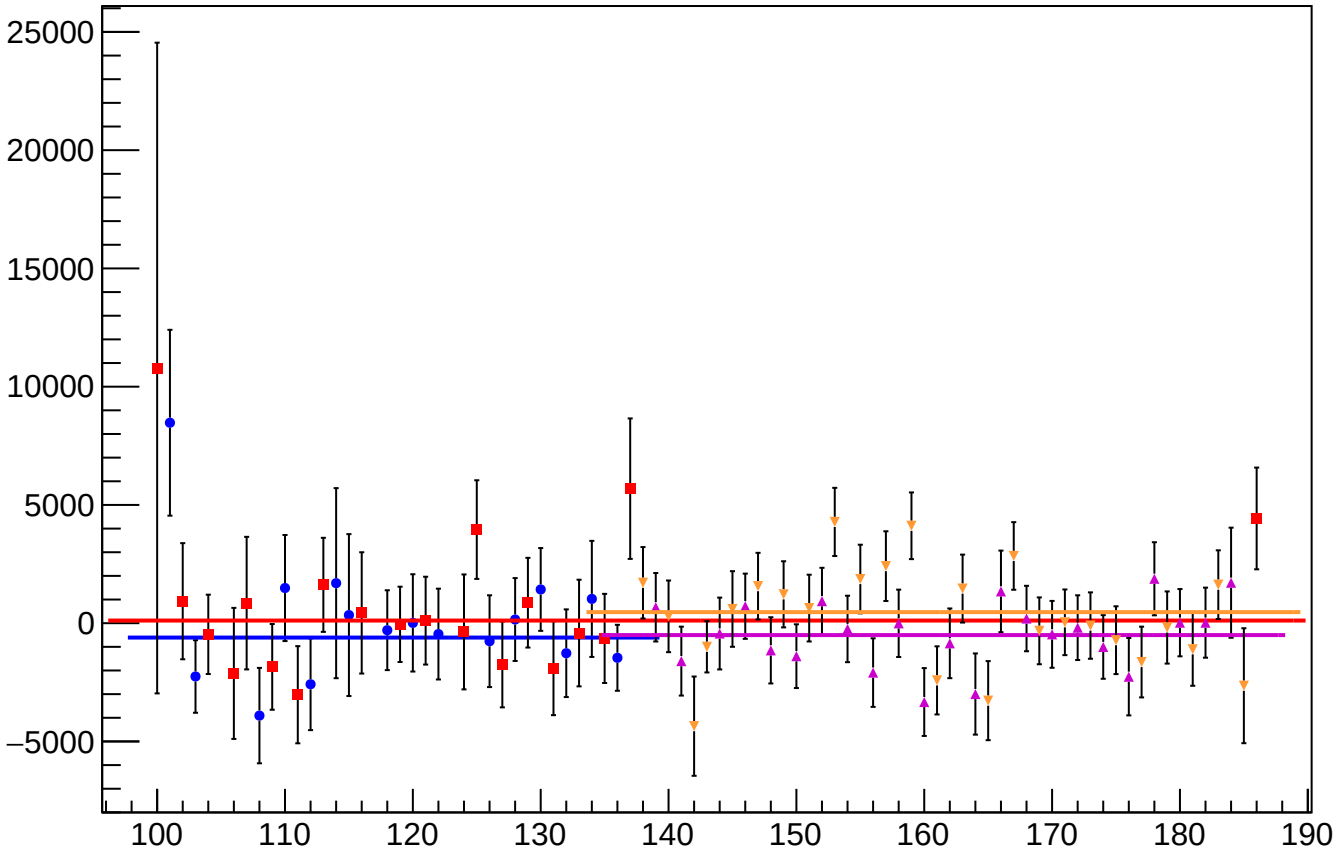
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3361.285+/-0.627 χ^2/NDF: 1443114.6/35

In: 4051.398+/-0.581 χ^2/NDF:2160247.2/38

Out: 3787.495+/-0.535 χ^2/NDF:3811055.0/44

All: 3908.537+/-0.393 χ^2/NDF: 6083078.1/83



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

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

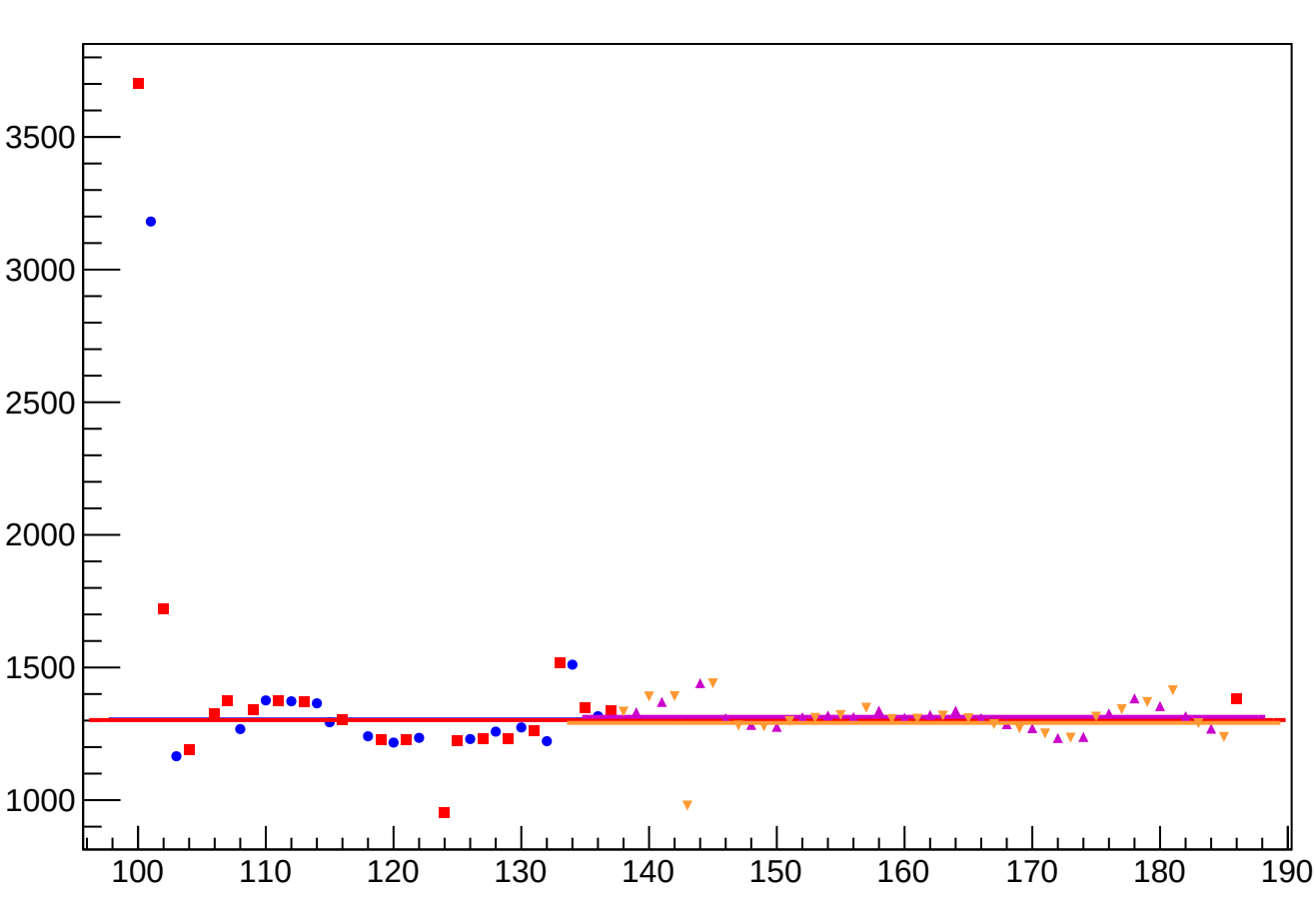
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -232.946+/-341.943 χ^2/NDF: 34.3/35

In: -532.603+/-260.811 χ^2/NDF:31.5/38

Out: 368.645+/-249.947 χ^2/NDF:63.6/44

All: -62.818+/-180.458 χ^2/NDF: 101.4/83



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

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

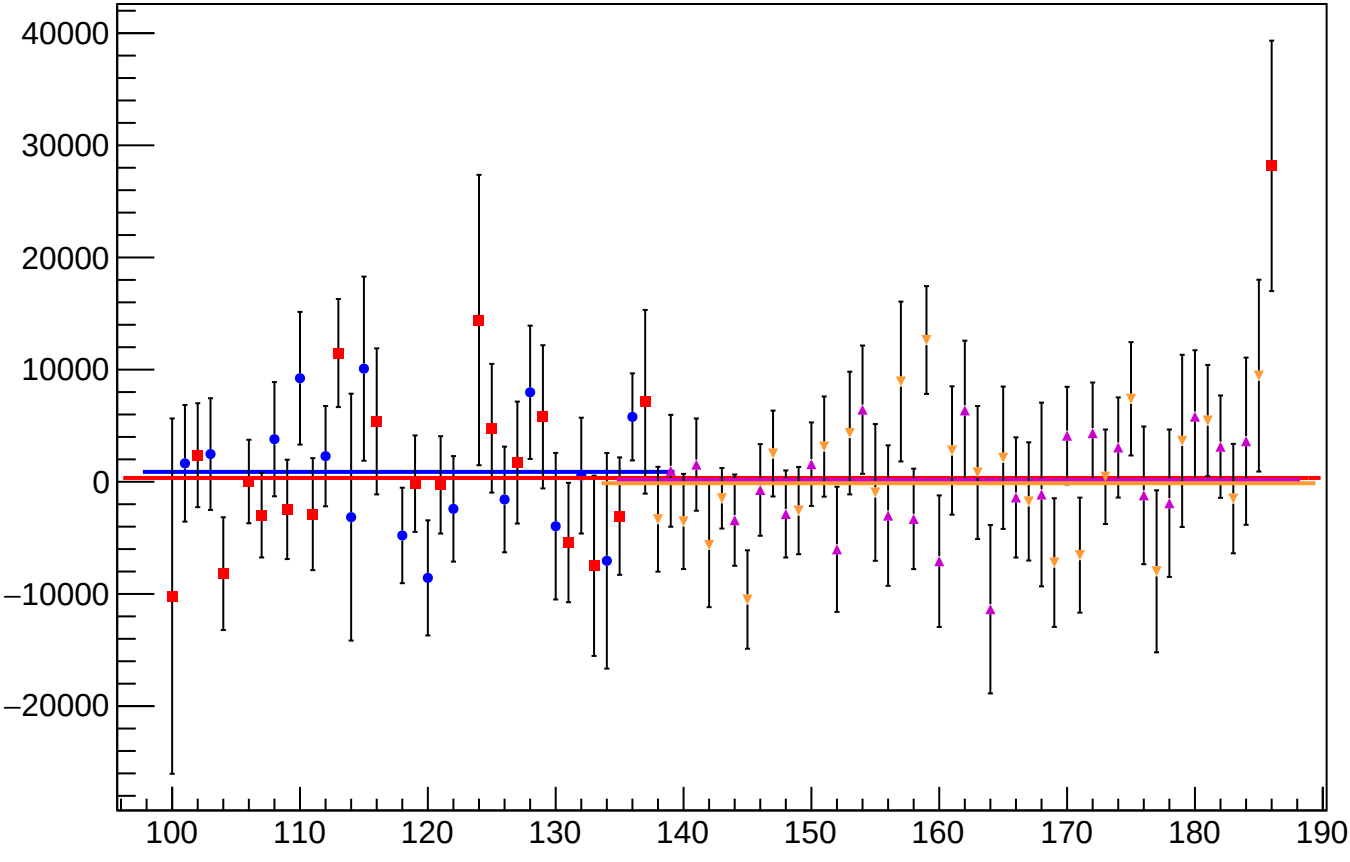
Right: 1302.980+/-0.242 χ^2/NDF: 726735.6/35

In: 1311.248+/-0.184 χ^2/NDF:554216.0/38

Out: 1294.206+/-0.177 χ^2/NDF:447606.6/44

All: 1302.363+/-0.128 χ^2/NDF: 1006274.8/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

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

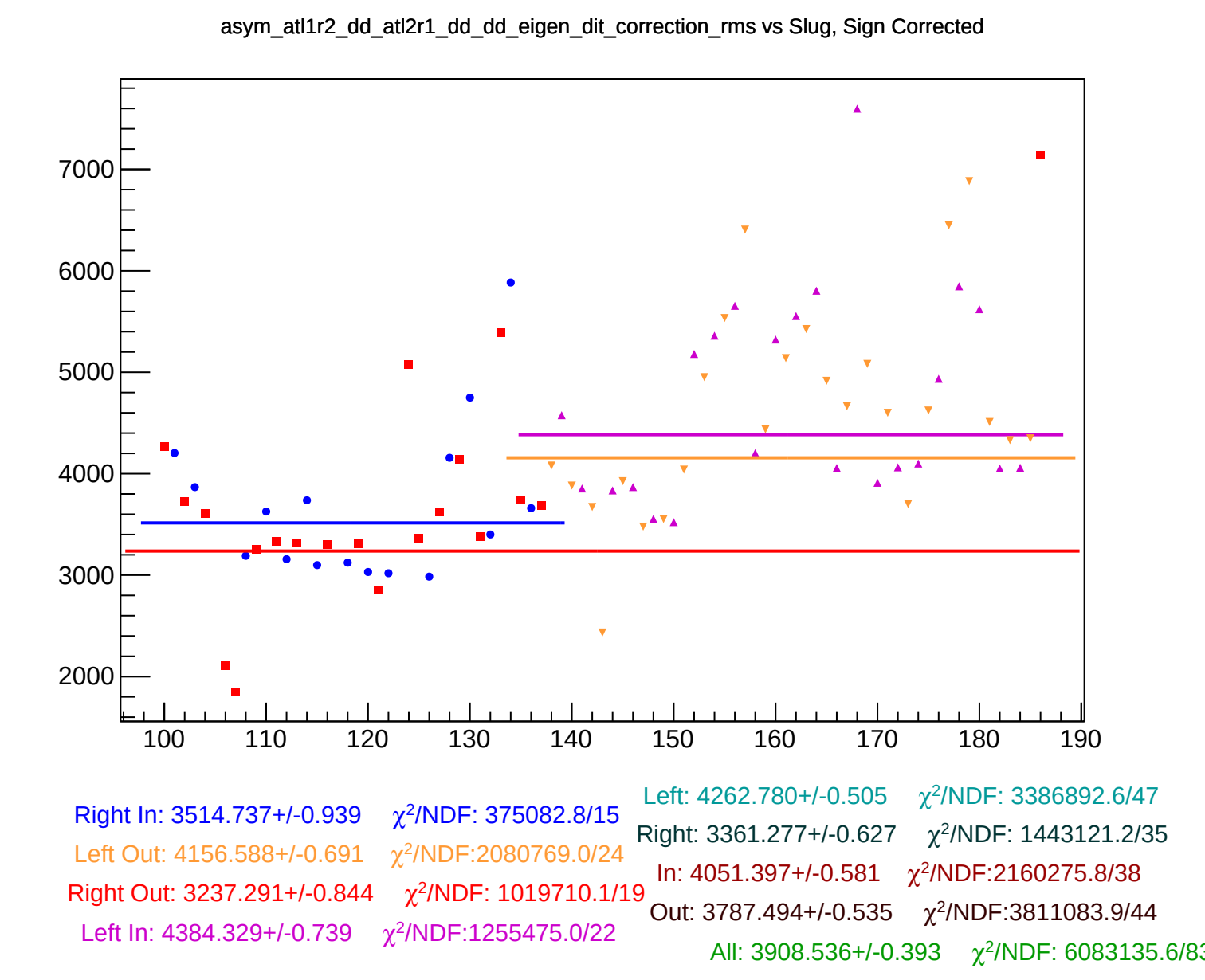
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

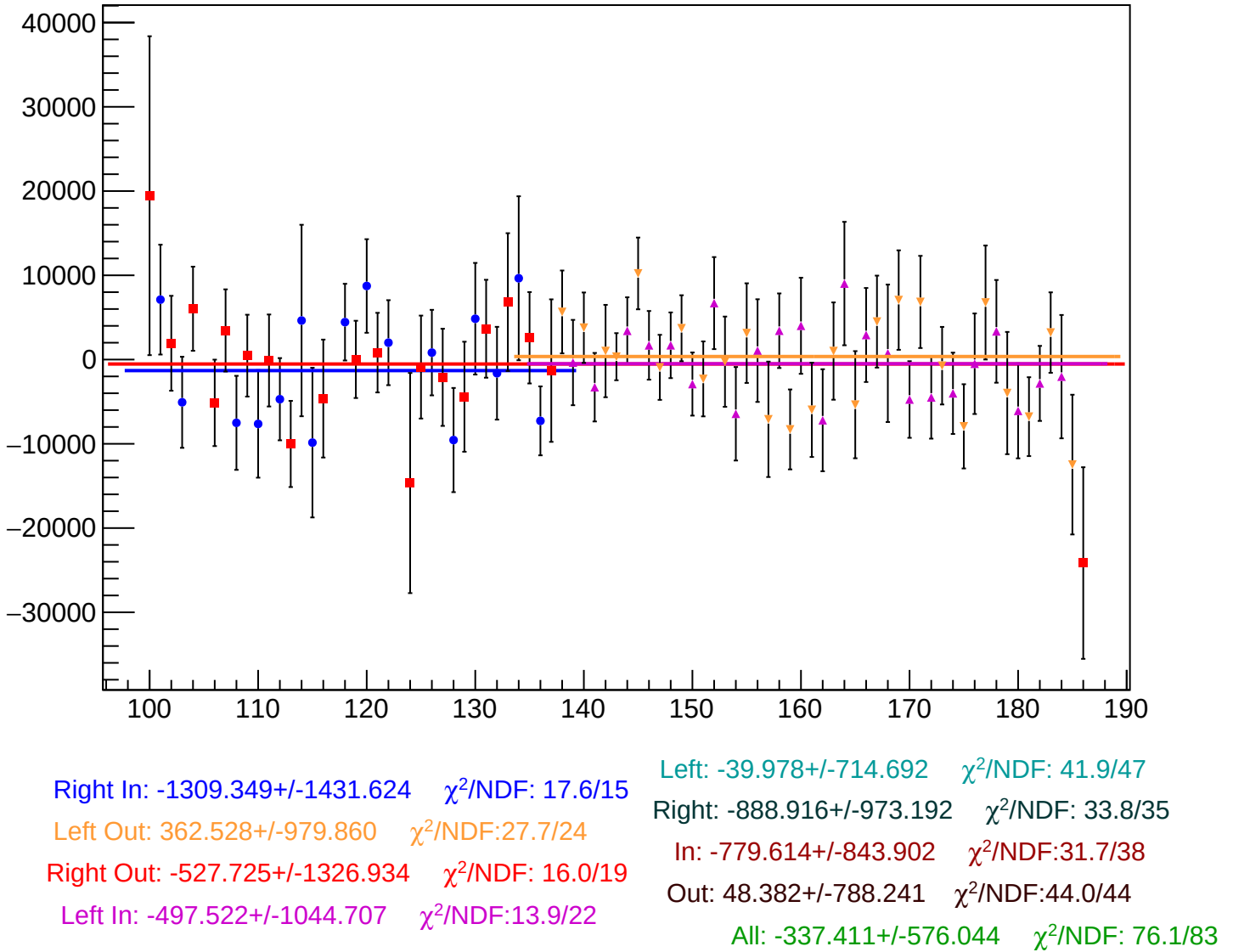
Right: 584.374+/-887.357 χ^2/NDF: 37.3/35

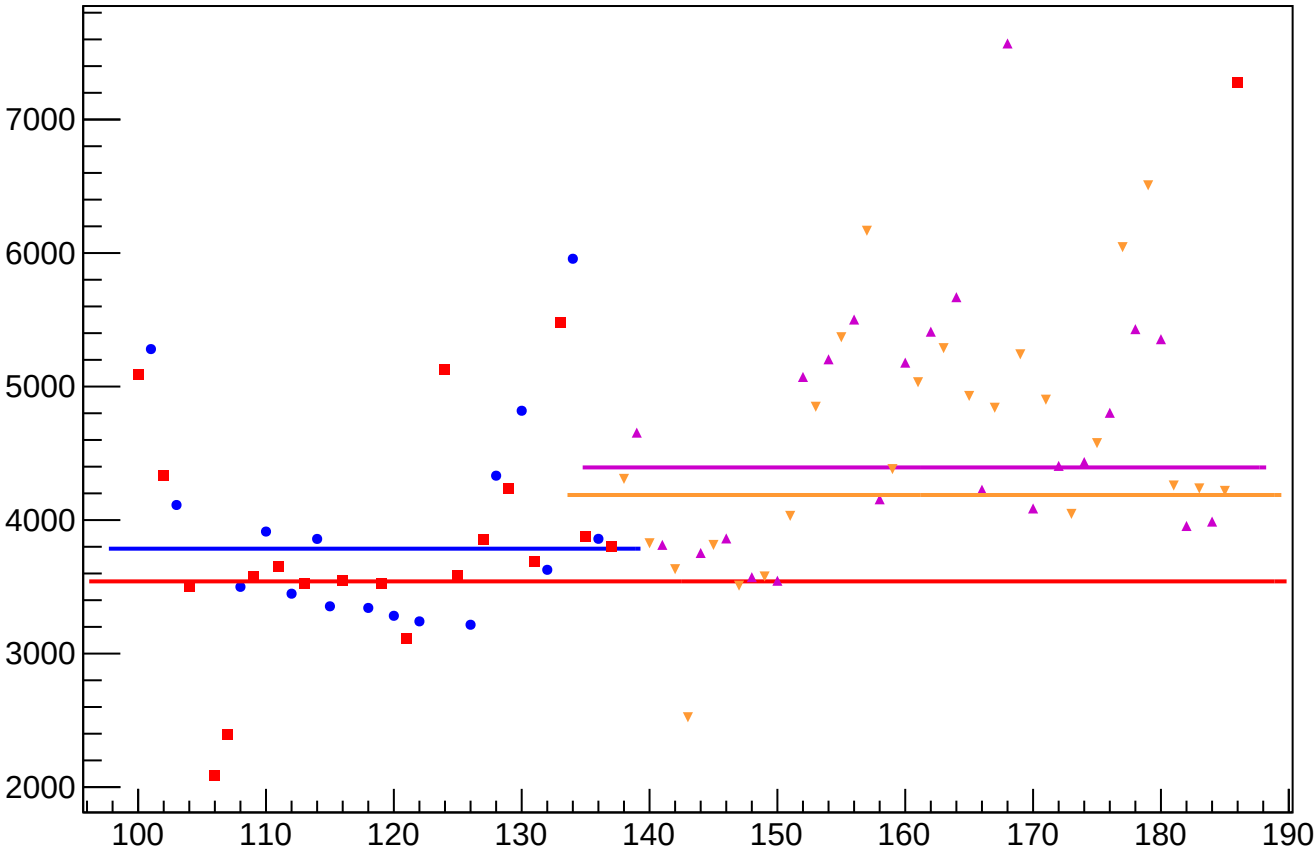
In: 436.872+/-821.335 χ^2/NDF:28.1/38

Out: 61.242+/-756.016 χ^2/NDF:51.8/44

All: 233.529+/-556.245 χ^2/NDF: 80.0/83


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3237.291+/-0.844 χ²/NDF: 1019710.1/19
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3361.277+/-0.627 χ²/NDF: 1443121.2/35
In: 4051.397+/-0.581 χ²/NDF:2160275.8/38
Out: 3787.494+/-0.535 χ²/NDF:3811083.9/44
All: 3908.536+/-0.393 χ²/NDF: 6083135.6/83


asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1309.349+/-1431.624 χ²/NDF: 17.6/15
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -527.725+/-1326.934 χ²/NDF: 16.0/19
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -888.916+/-973.192 χ²/NDF: 33.8/35
In: -779.614+/-843.902 χ²/NDF:31.7/38
Out: 48.382+/-788.241 χ²/NDF:44.0/44
All: -337.411+/-576.044 χ²/NDF: 76.1/83



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

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

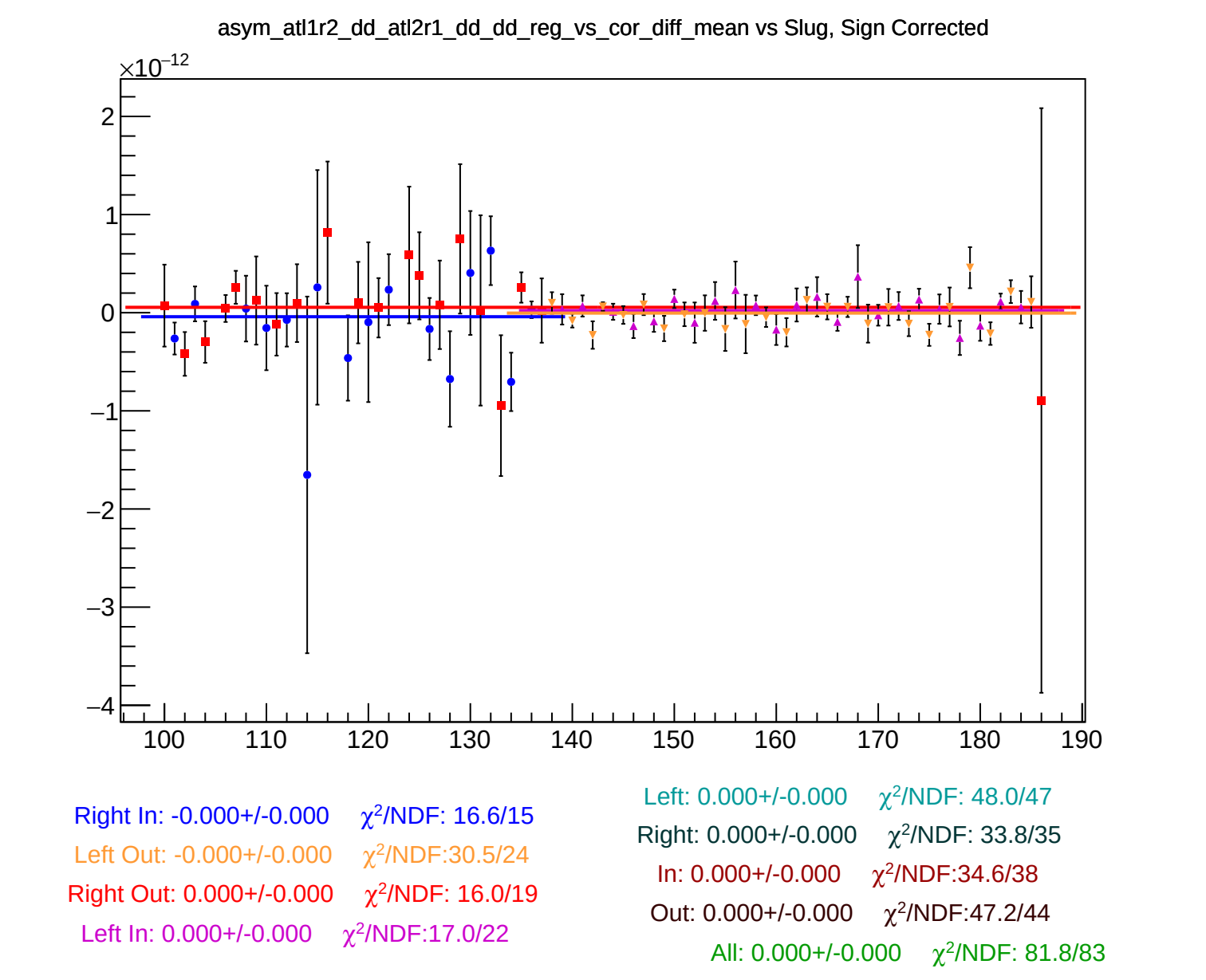
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

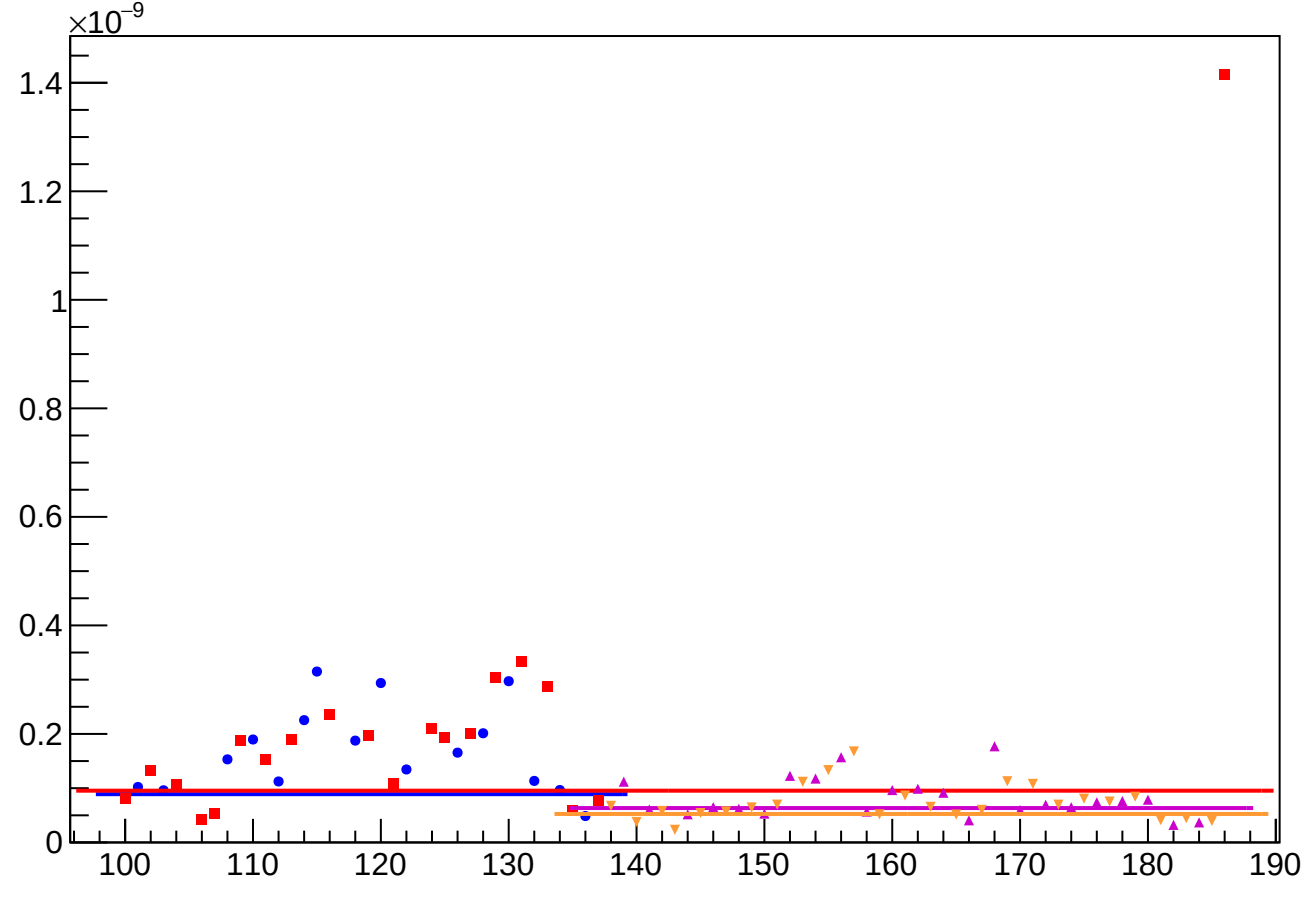
Right: 3652.362+/-0.683 χ^2/NDF: 1220535.6/35

In: 4182.864+/-0.597 χ^2/NDF:1707199.7/38

Out: 3955.508+/-0.555 χ^2/NDF:2915149.5/44

All: 4060.897+/-0.406 χ^2/NDF: 4700224.5/83


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: 16.6/15
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: 33.8/35
In: 0.000+/-0.000 χ²/NDF:34.6/38
Out: 0.000+/-0.000 χ²/NDF:47.2/44
All: 0.000+/-0.000 χ²/NDF: 81.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

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

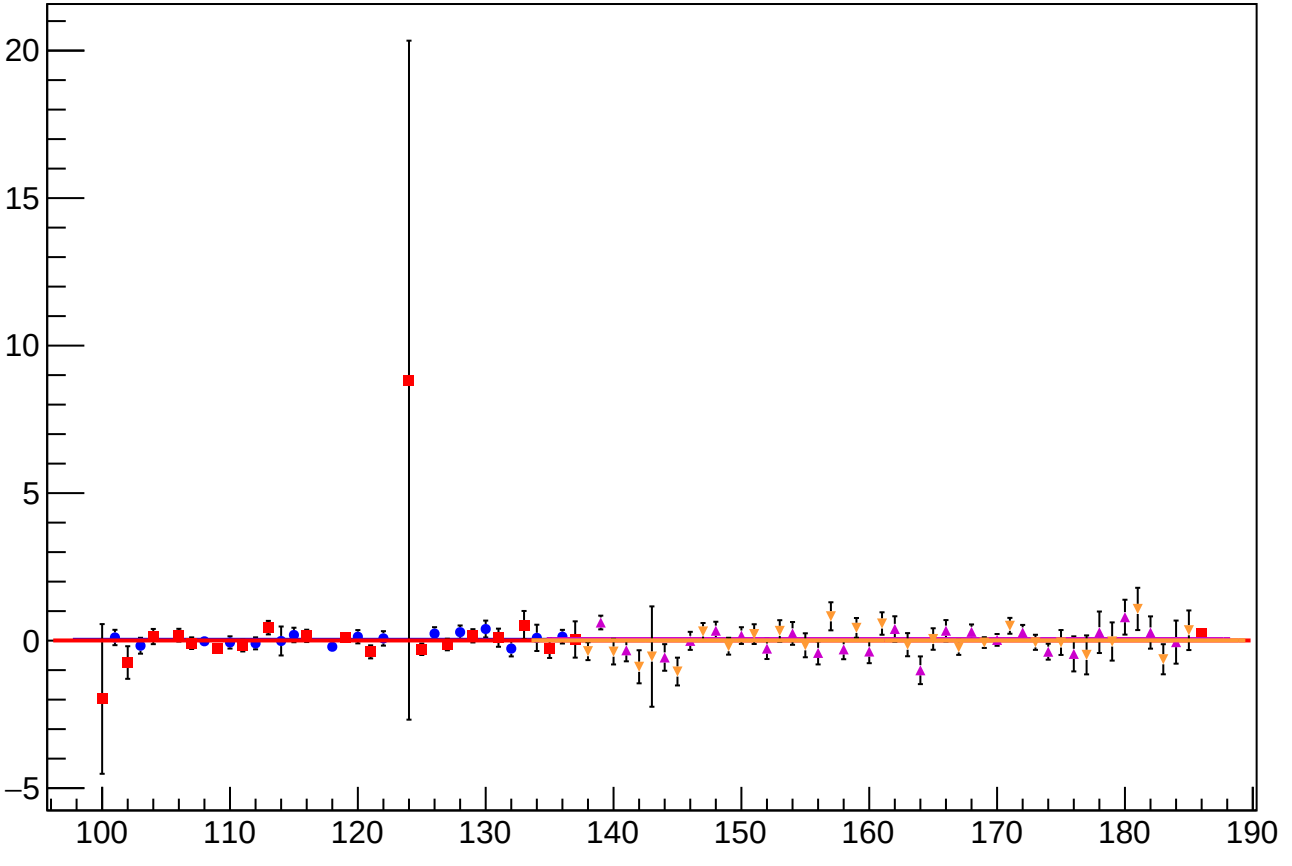
Right: 0.000+/-0.000 χ^2/NDF: 3598681.8/35

In: 0.000+/-0.000 χ^2/NDF:3563581.8/38

Out: 0.000+/-0.000 χ^2/NDF:5559371.3/44

All: 0.000+/-0.000 χ^2/NDF: 9339600.5/83

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

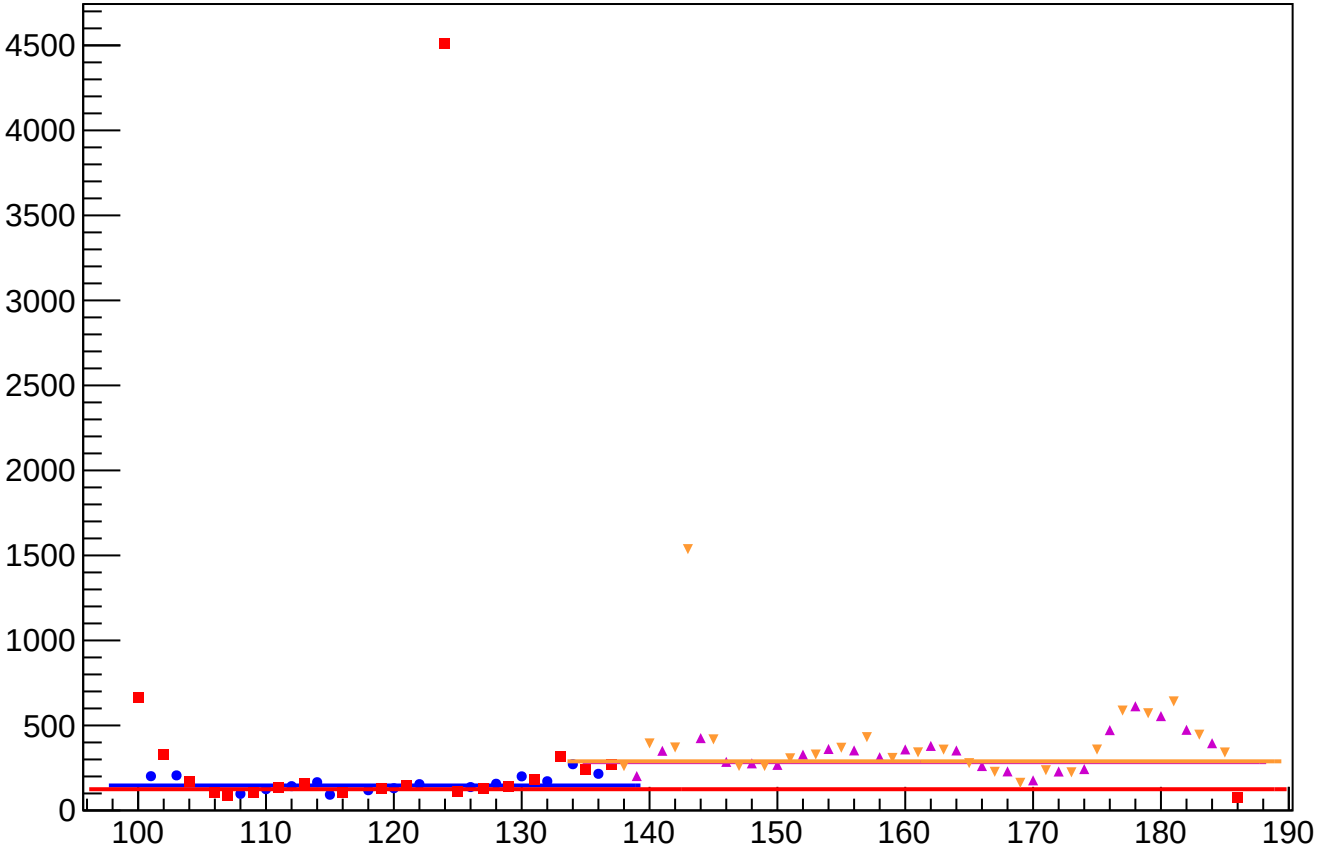
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 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

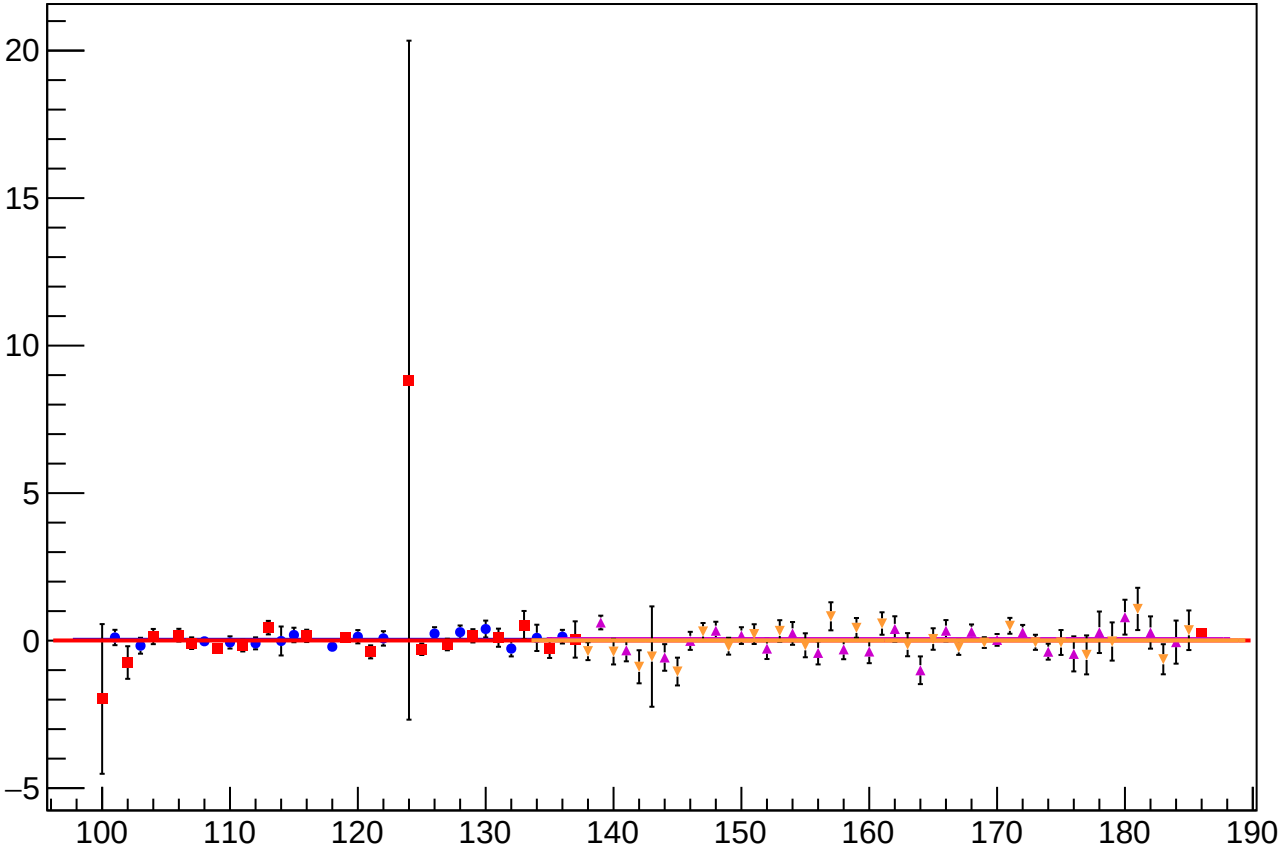
Right: 134.351+/-0.027 χ^2/NDF: 3153585.6/35

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

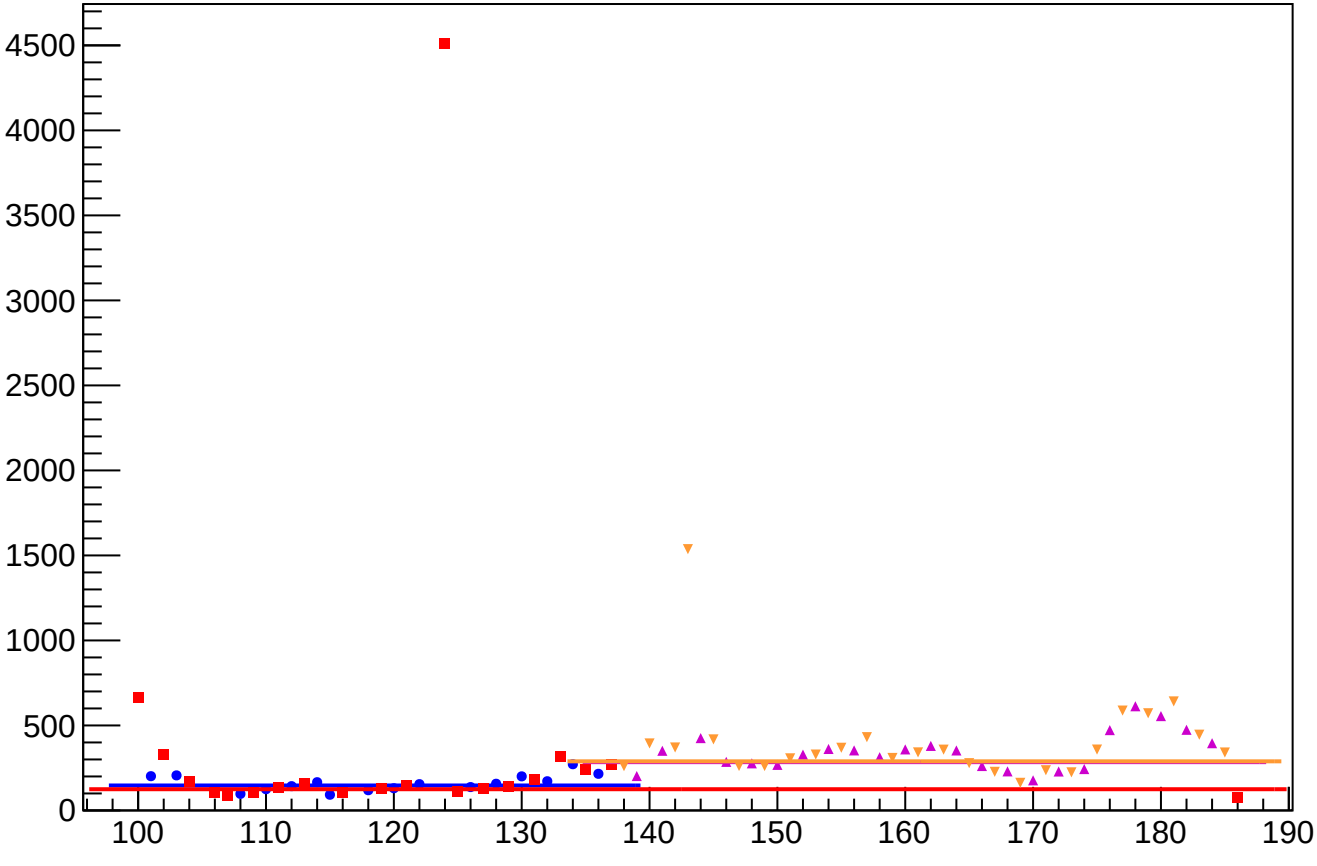
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 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

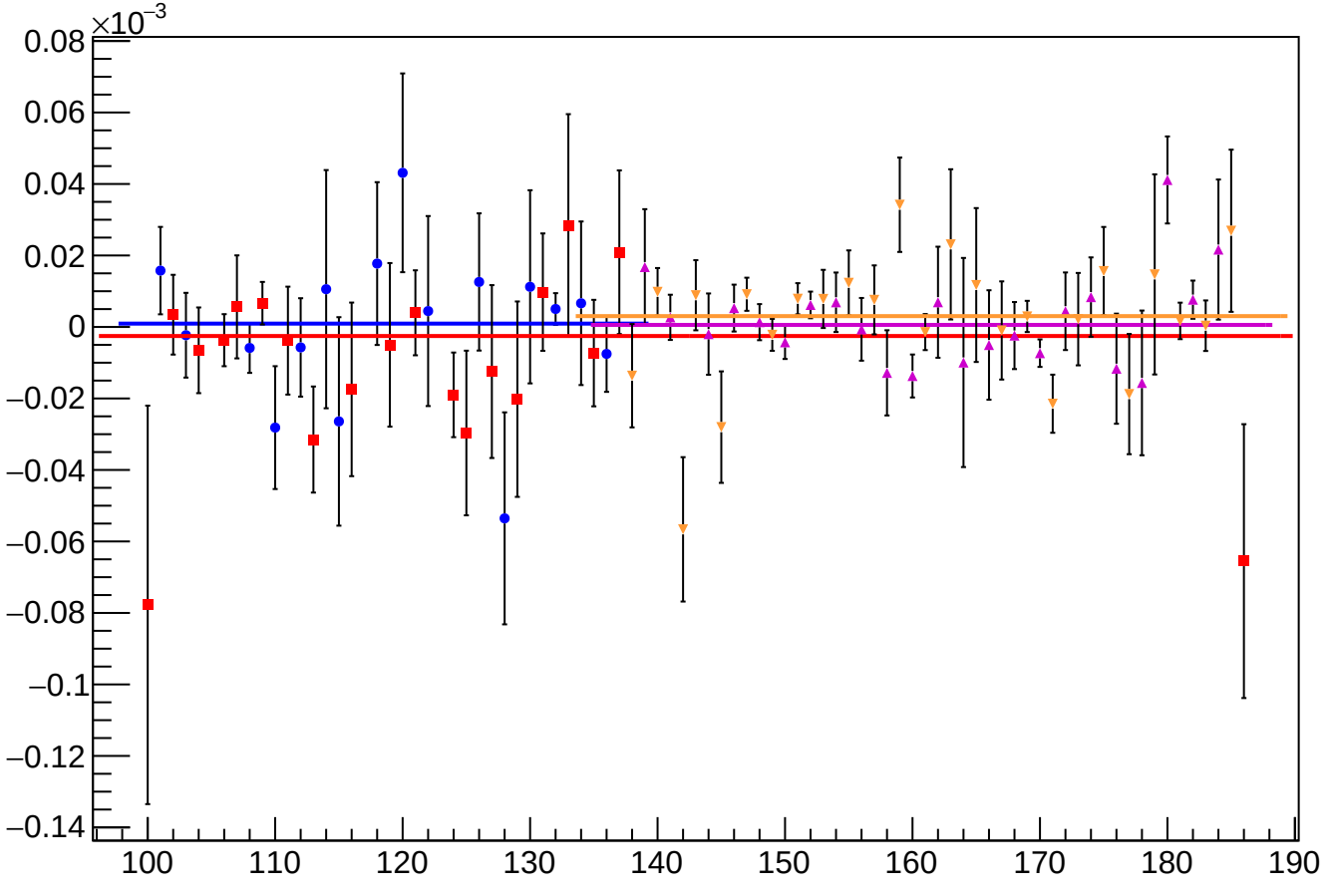
Right: 134.351+/-0.027 χ^2/NDF: 3153585.6/35

In: 202.013+/-0.032 χ^2/NDF:8628760.9/38

Out: 179.561+/-0.029 χ^2/NDF:13751549.6/44

All: 189.837+/-0.021 χ^2/NDF: 22654834.0/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

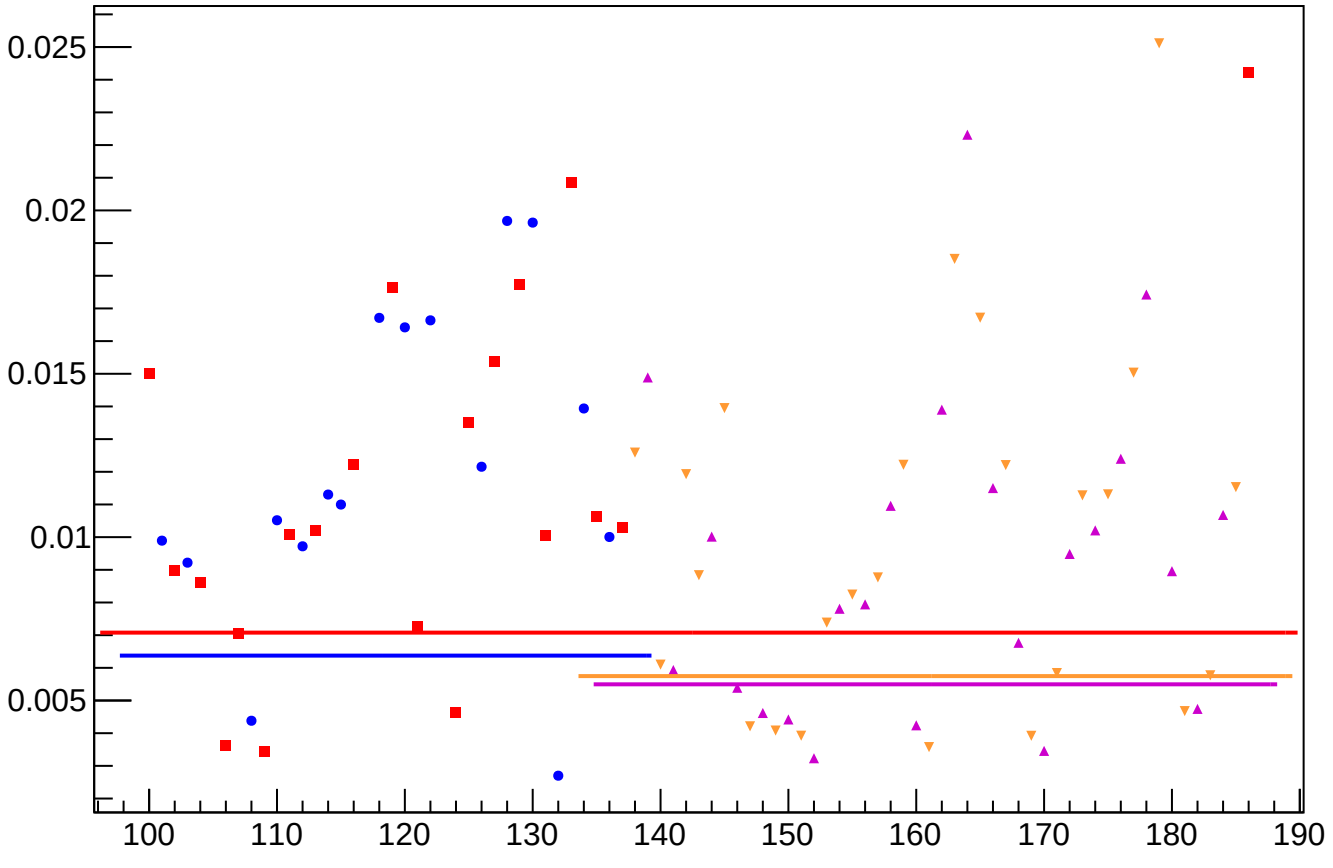
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: -0.000+/-0.000 χ^2/NDF: 34.3/35

In: 0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:63.7/44

All: 0.000+/-0.000 χ^2/NDF: 112.2/83



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

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

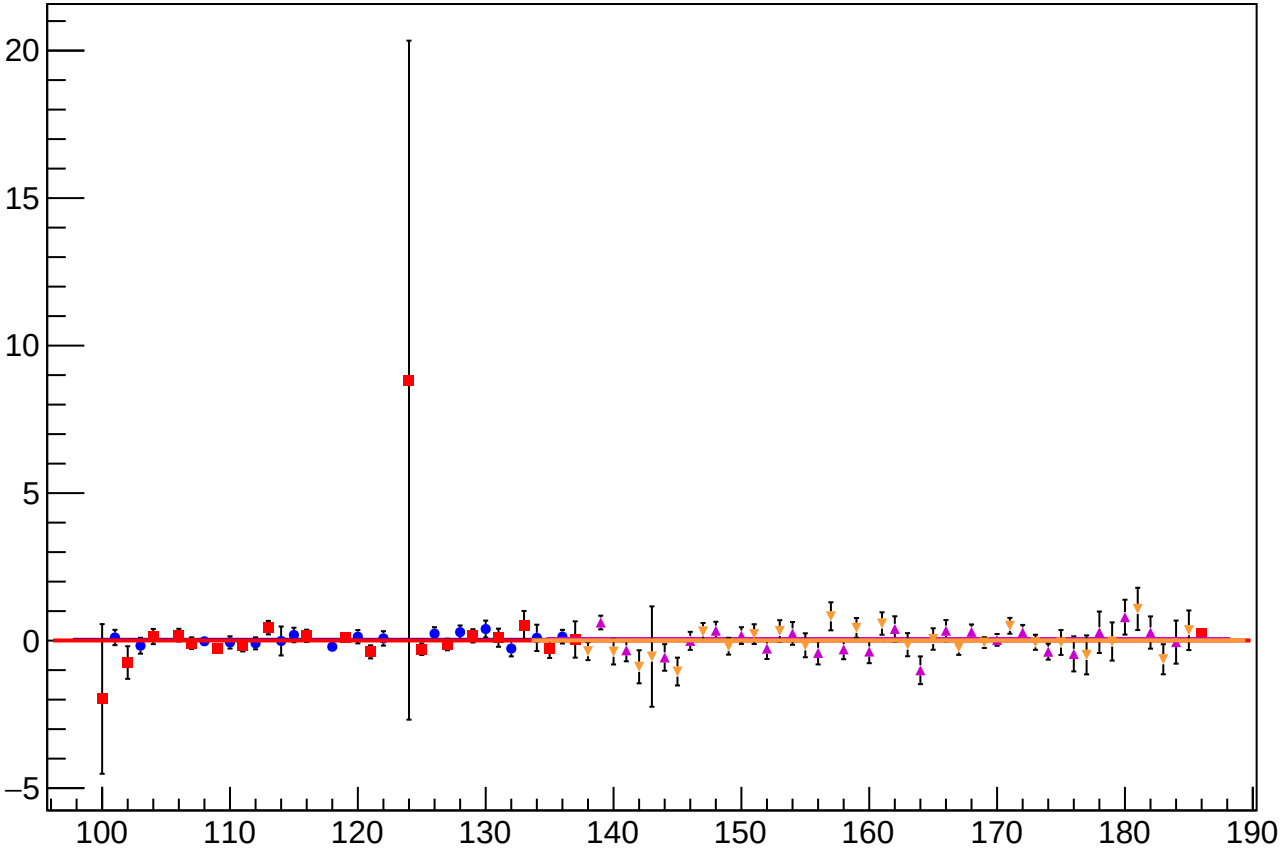
Right: 0.007+/-0.000 χ^2/NDF: 8509390.5/35

In: 0.006+/-0.000 χ^2/NDF:11719179.9/38

Out: 0.006+/-0.000 χ^2/NDF:12254012.6/44

All: 0.006+/-0.000 χ^2/NDF: 24035502.7/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

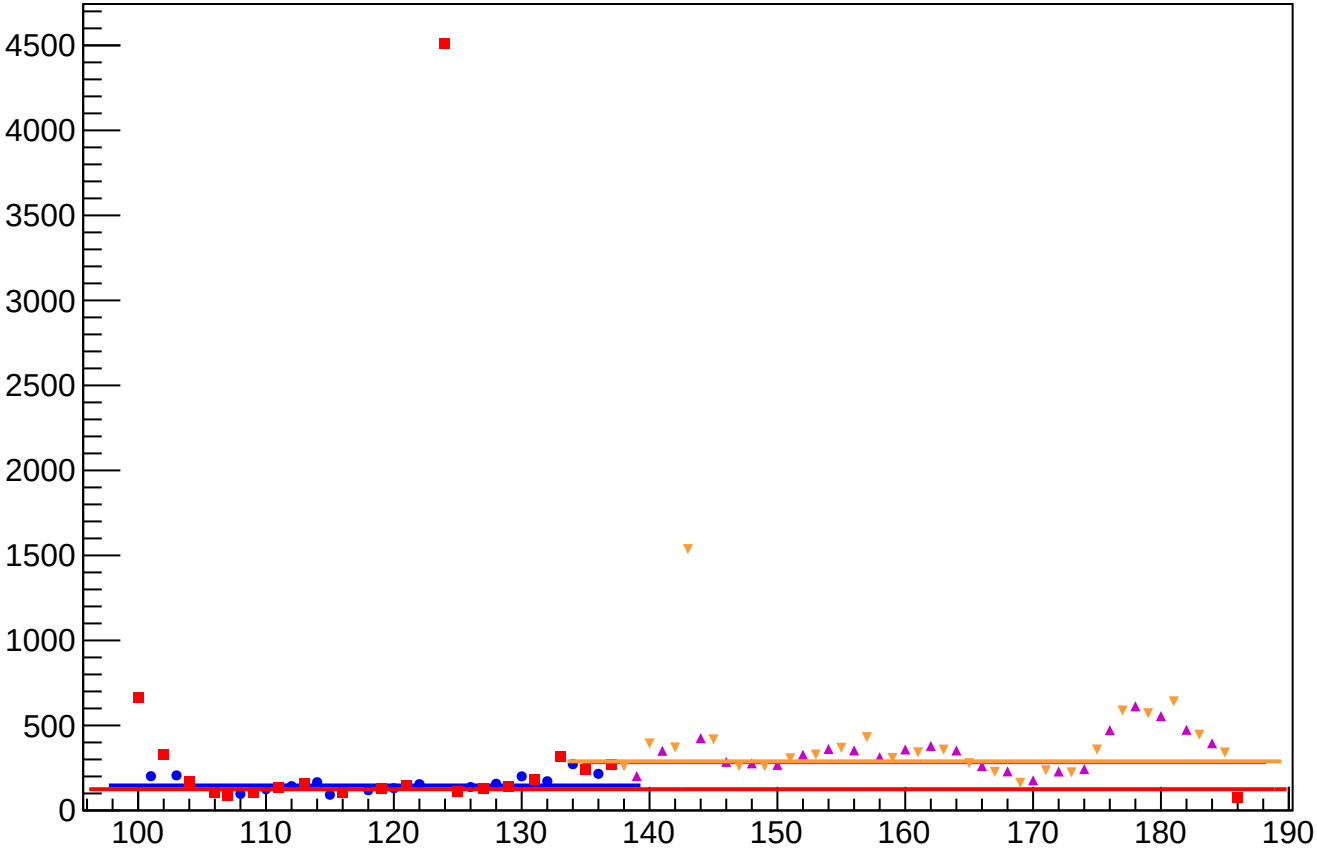
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 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

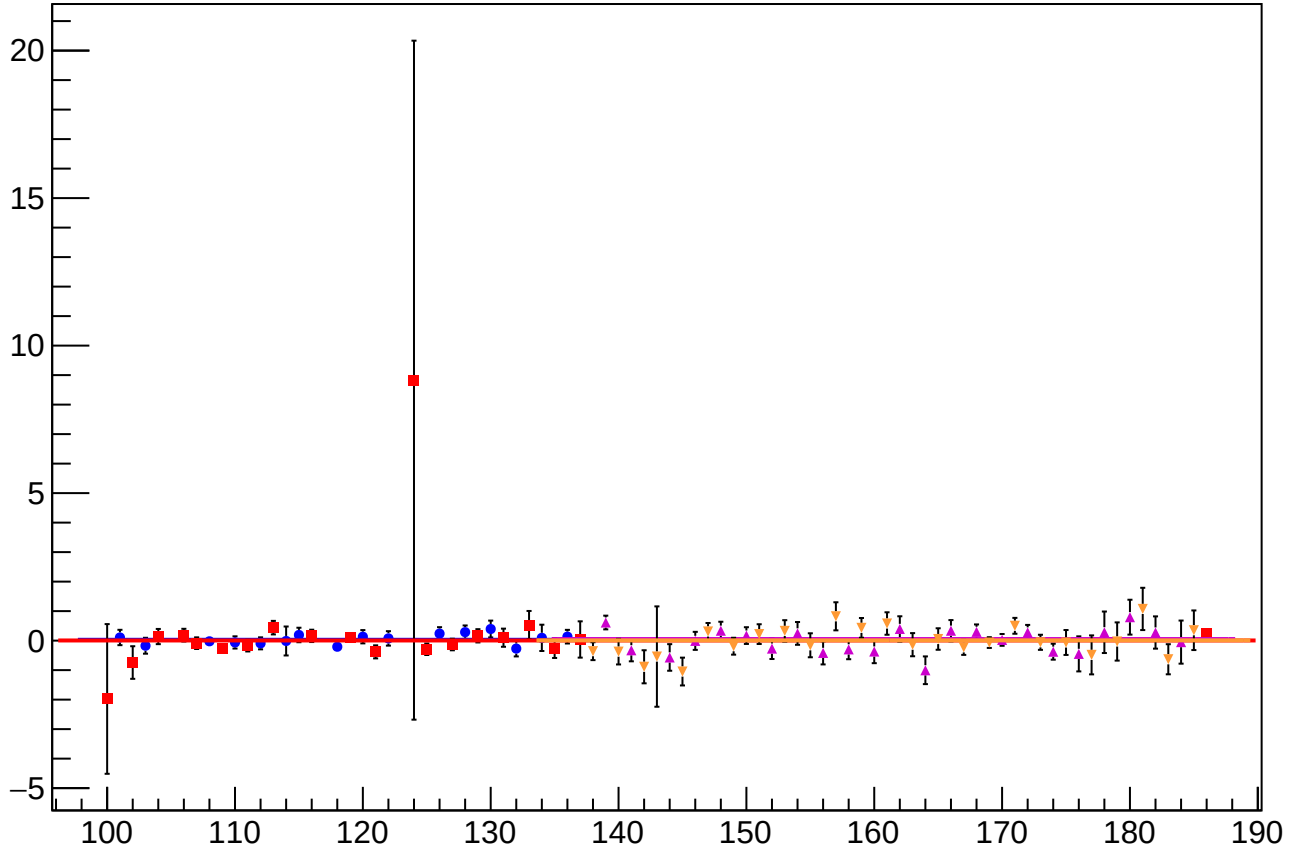
Right: 134.352+/-0.027 χ^2/NDF: 3153389.1/35

In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.009+/-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

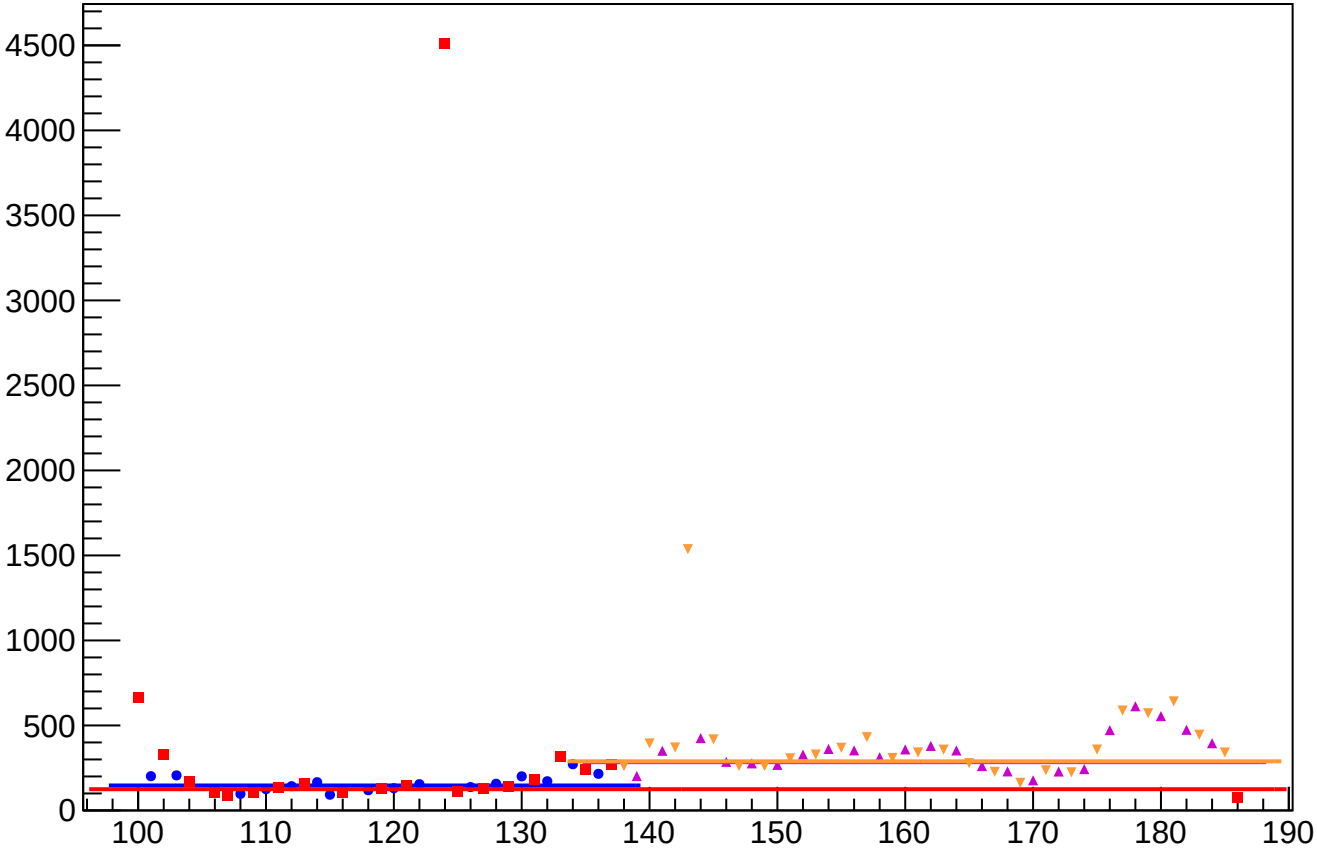
Right: 0.015+/-0.038 χ^2/NDF: 33.6/35

In: 0.038+/-0.045 χ^2/NDF:37.3/38

Out: 0.007+/-0.041 χ^2/NDF:53.0/44

All: 0.021+/-0.030 χ^2/NDF: 90.6/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 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

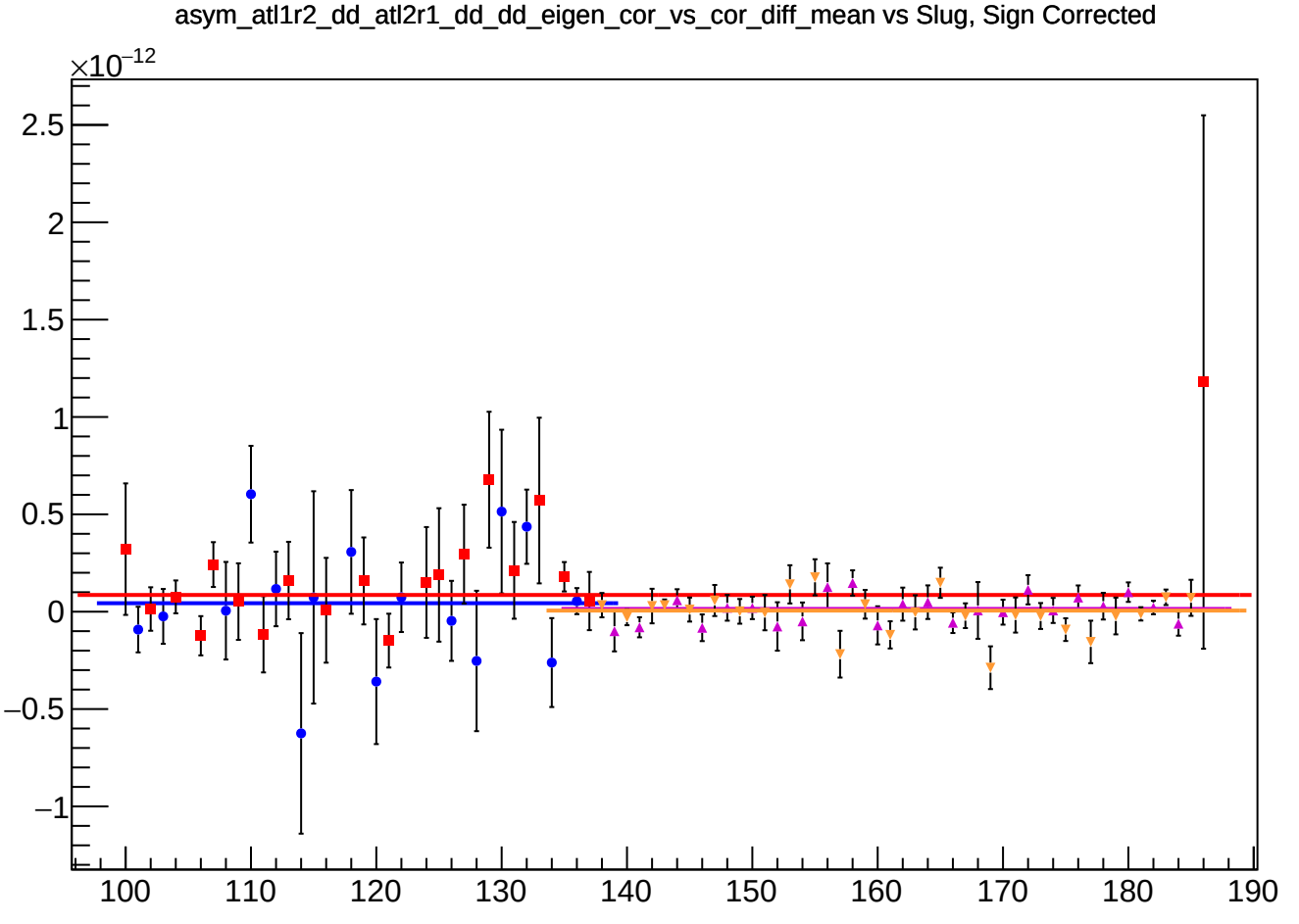
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 134.352+/-0.027 χ^2/NDF: 3153389.1/35

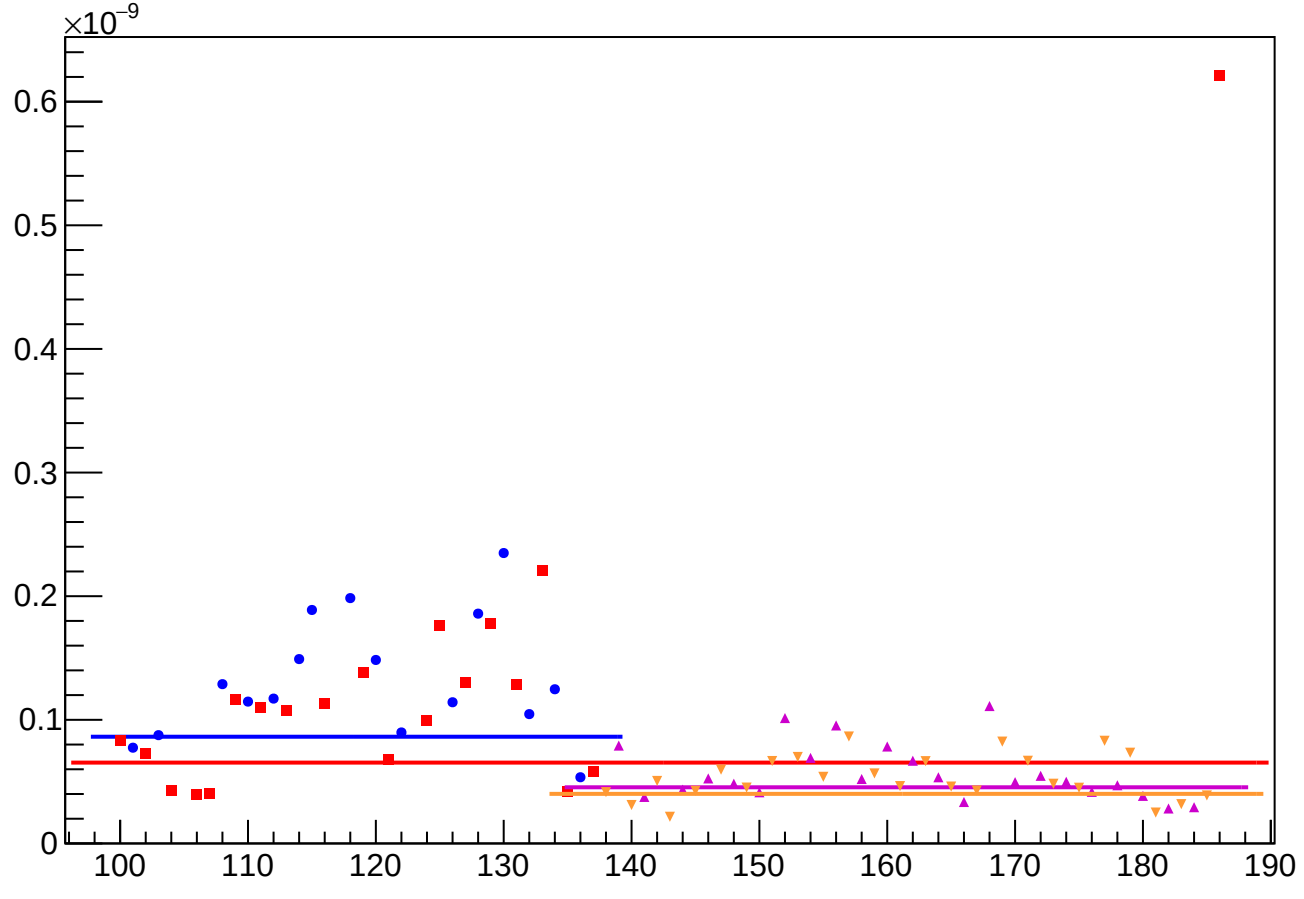
In: 202.013+/-0.032 χ^2/NDF:8628882.9/38

Out: 179.563+/-0.029 χ^2/NDF:13751413.2/44

All: 189.838+/-0.021 χ^2/NDF: 22654775.1/83


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: 19.0/15
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: 38.4/35
In: 0.000+/-0.000 χ²/NDF:42.6/38
Out: 0.000+/-0.000 χ²/NDF:57.9/44
All: 0.000+/-0.000 χ²/NDF: 100.5/83

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

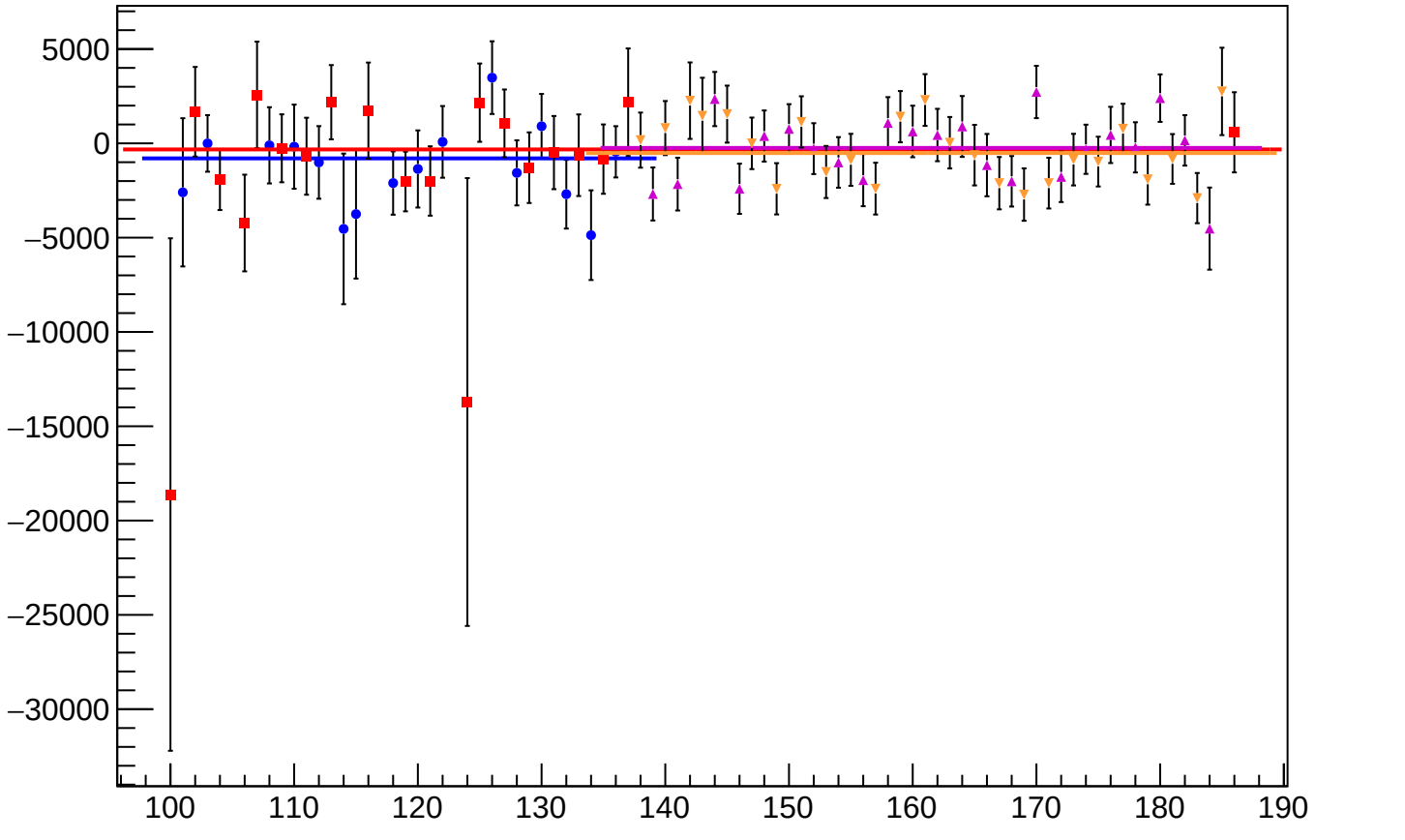
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4346398.9/35

In: 0.000+/-0.000 χ^2/NDF:6009064.6/38

Out: 0.000+/-0.000 χ^2/NDF:7066418.6/44

All: 0.000+/-0.000 χ^2/NDF: 13331301.7/83



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

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

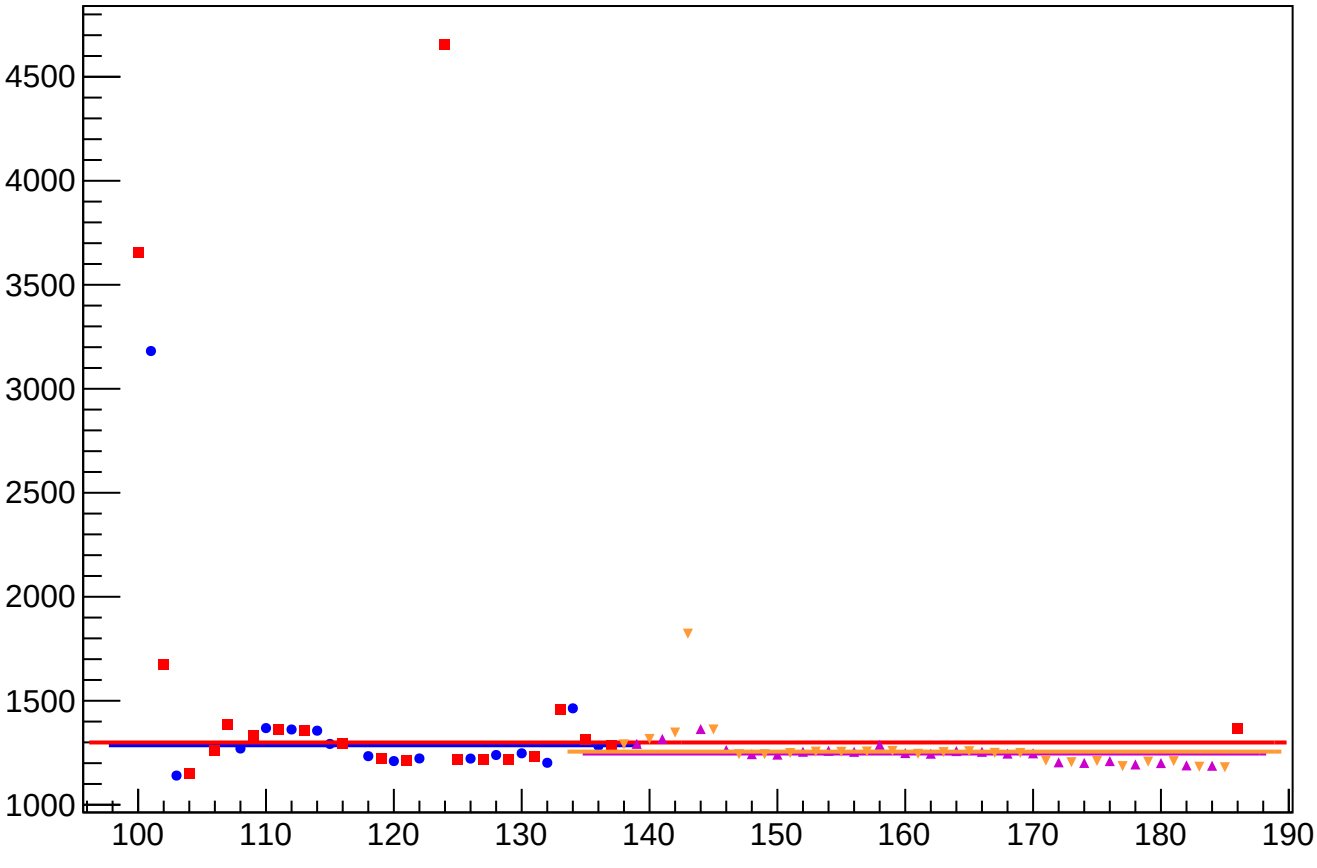
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -553.096+/-339.681 χ^2/NDF: 29.7/35

In: -388.527+/-249.968 χ^2/NDF:46.4/38

Out: -463.219+/-244.789 χ^2/NDF:46.8/44

All: -426.655+/-174.894 χ^2/NDF: 93.3/83



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

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

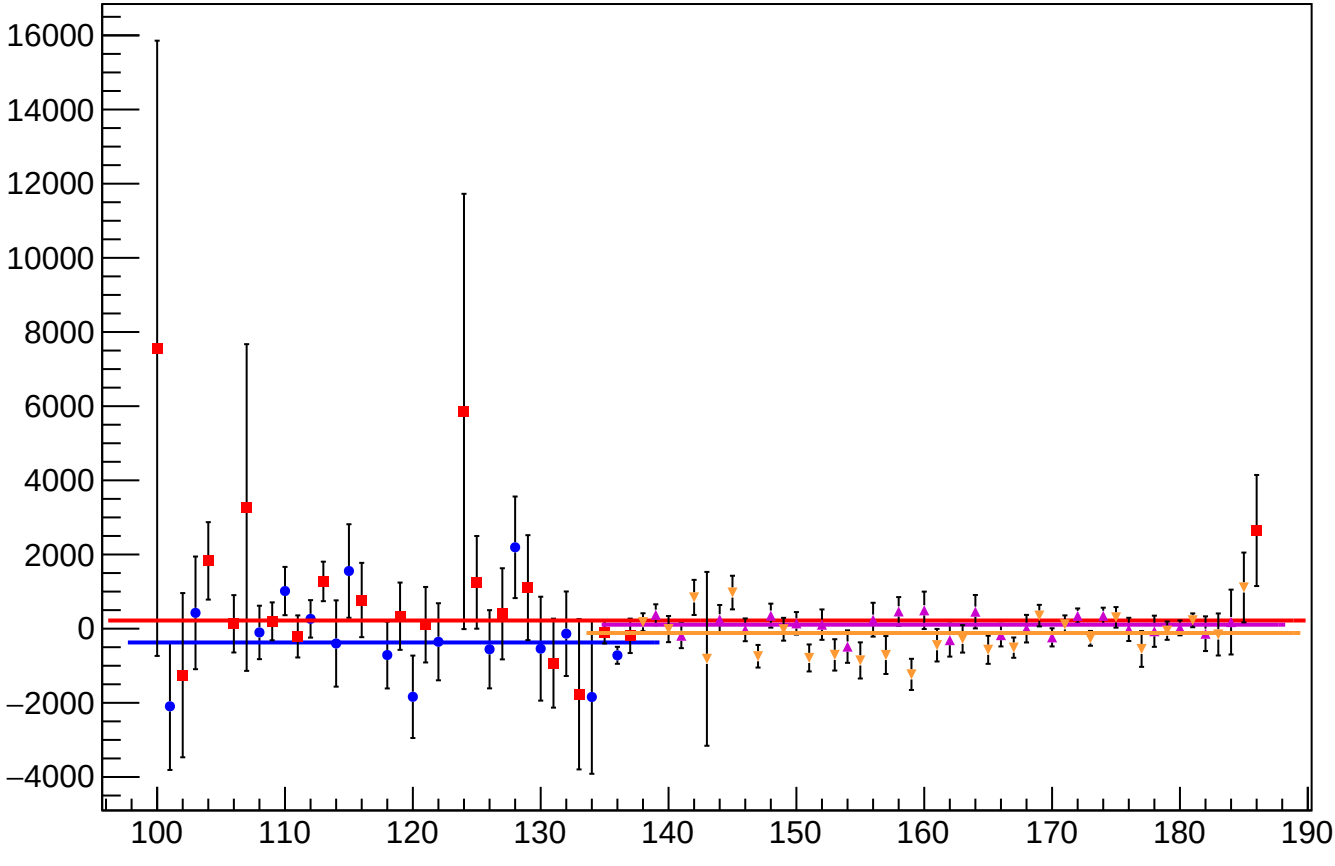
Right: 1292.980+/-0.240 χ^2/NDF: 849104.1/35

In: 1256.806+/-0.177 χ^2/NDF:567782.6/38

Out: 1267.259+/-0.173 χ^2/NDF:545956.0/44

All: 1262.141+/-0.124 χ^2/NDF: 1115523.9/83

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -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

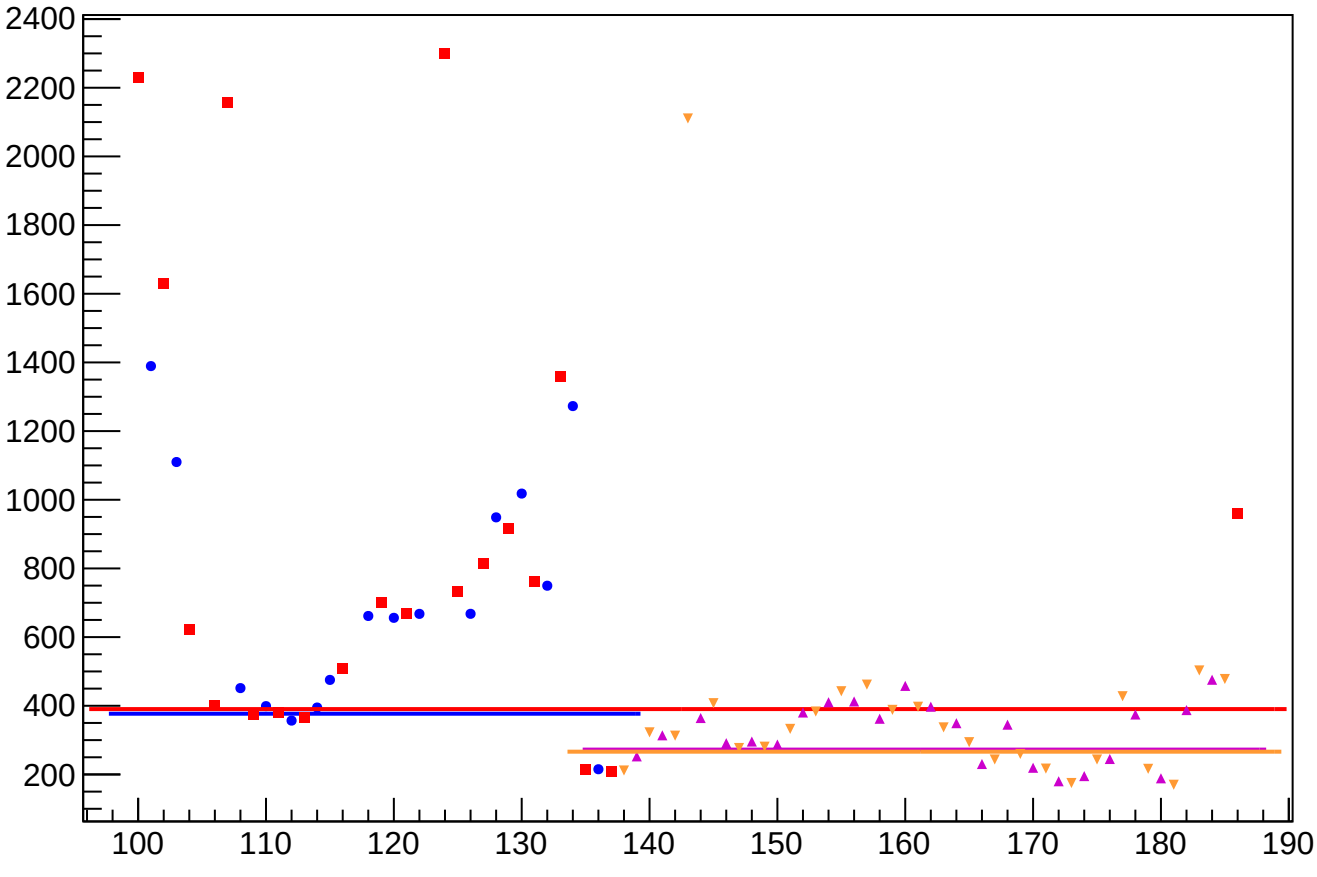
Right: -76.656+/-119.042 χ^2/NDF: 41.7/35

In: 41.656+/-62.244 χ^2/NDF:38.9/38

Out: -73.296+/-60.692 χ^2/NDF:69.2/44

All: -17.271+/-43.454 χ^2/NDF: 109.9/83

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 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

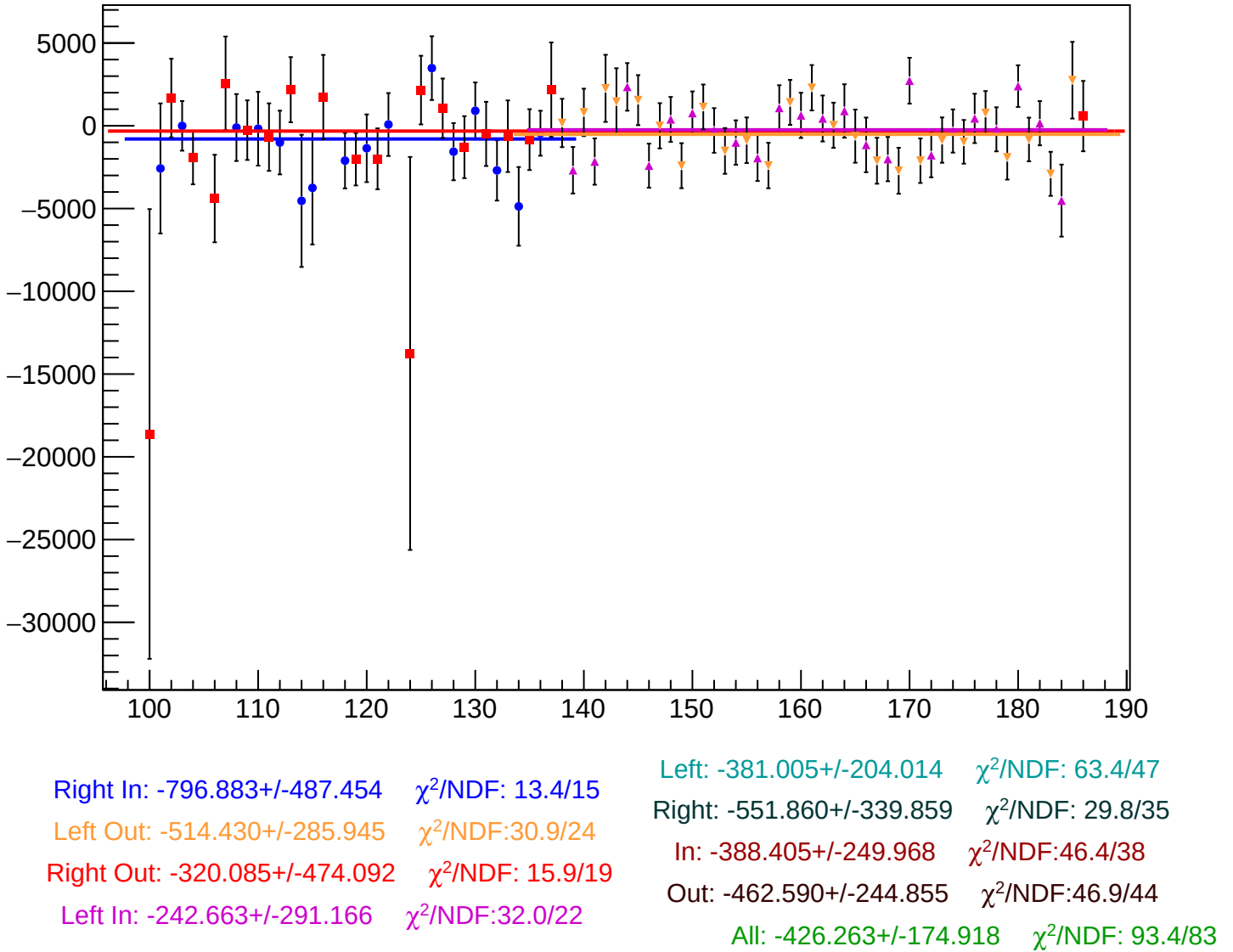
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

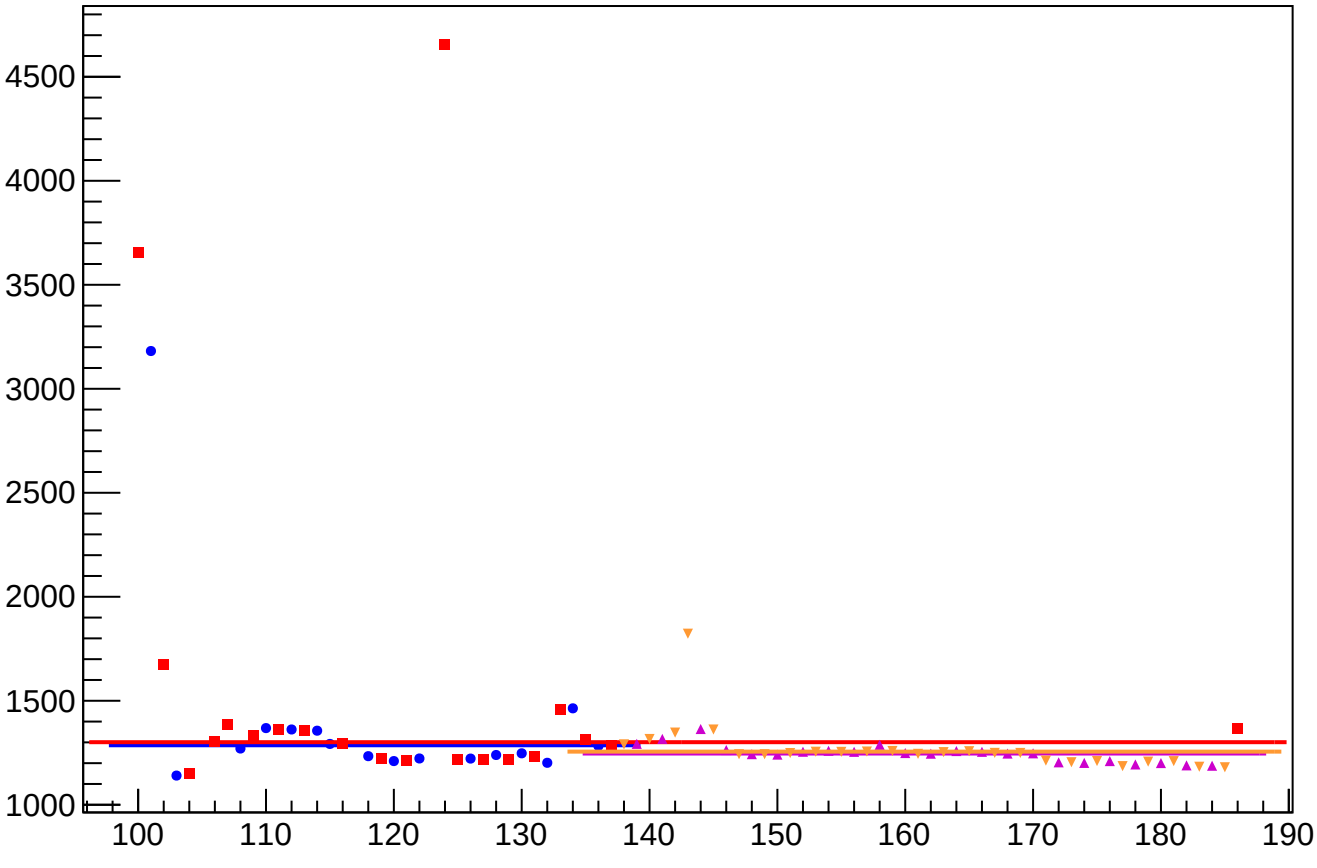
Right: 383.625+/-0.084 χ^2/NDF: 8544253.7/35

In: 286.681+/-0.044 χ^2/NDF:7744576.1/38

Out: 282.416+/-0.043 χ^2/NDF:9921298.4/44

All: 284.495+/-0.031 χ^2/NDF: 17670688.6/83


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: -796.883+/-487.454 χ²/NDF: 13.4/15
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: -551.860+/-339.859 χ²/NDF: 29.8/35
In: -388.405+/-249.968 χ²/NDF:46.4/38
Out: -462.590+/-244.855 χ²/NDF:46.9/44
All: -426.263+/-174.918 χ²/NDF: 93.4/83



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

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

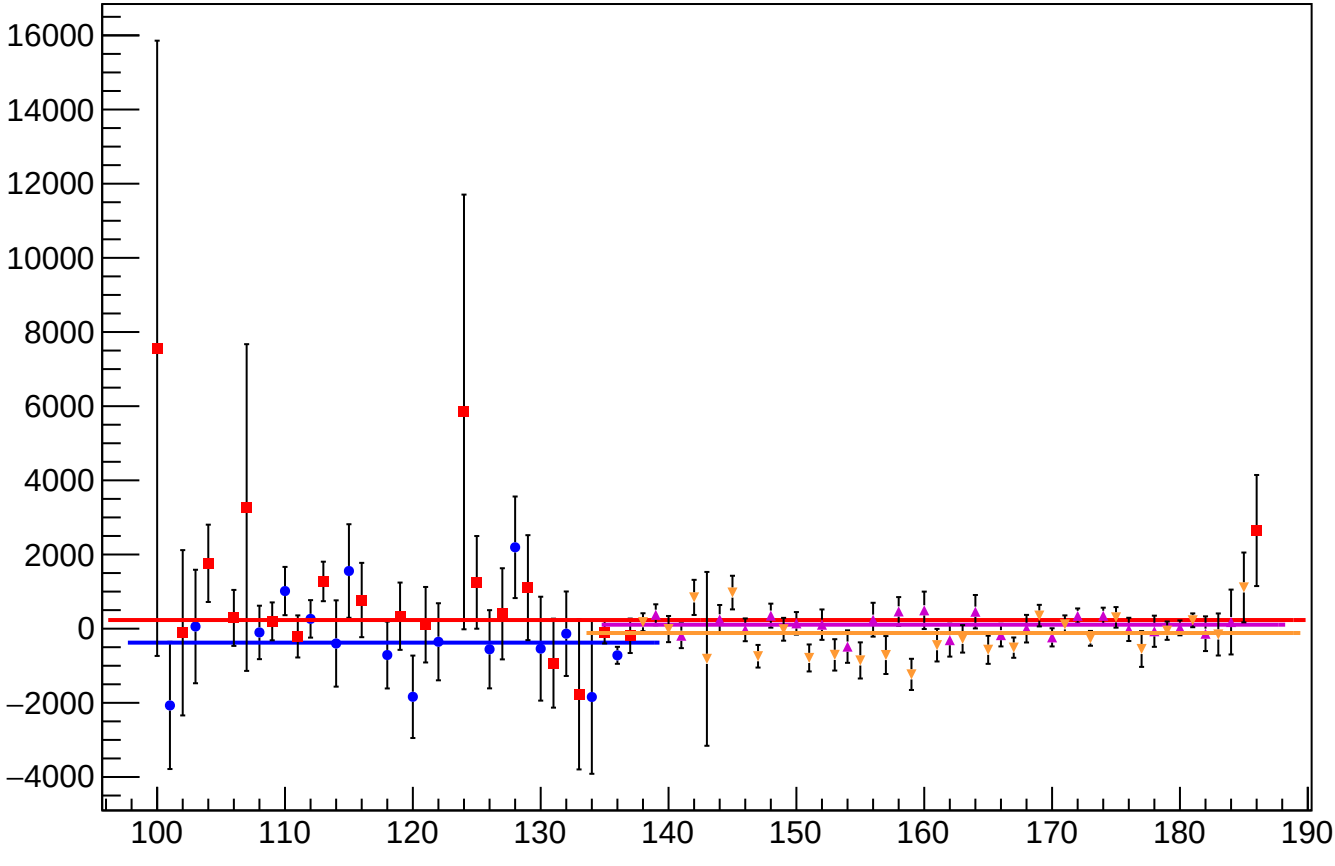
Right: 1293.686+/-0.240 χ^2/NDF: 848859.1/35

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -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

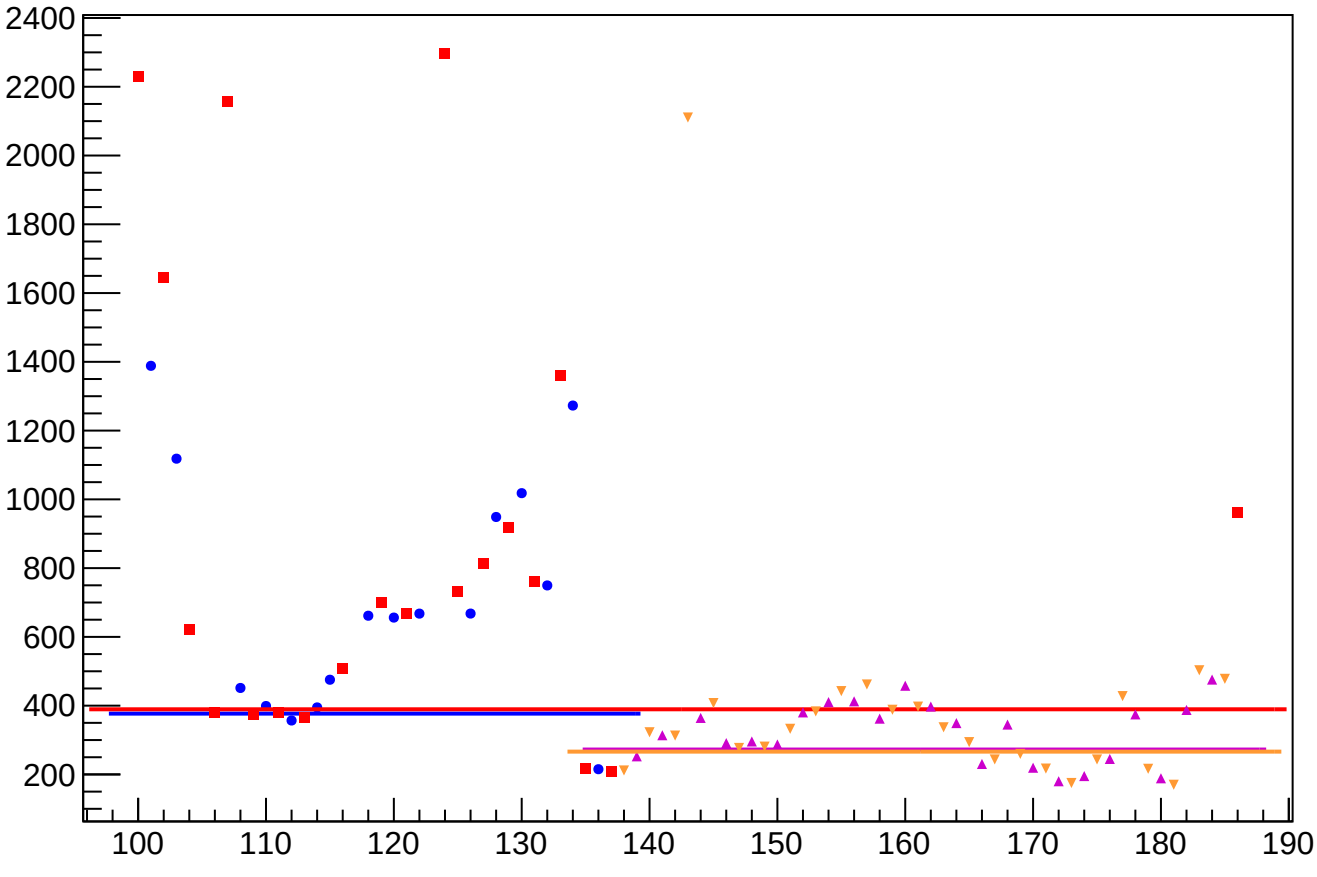
Right: -72.028+/-118.981 χ^2/NDF: 41.2/35

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.602+/-43.452 χ^2/NDF: 109.4/83

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 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

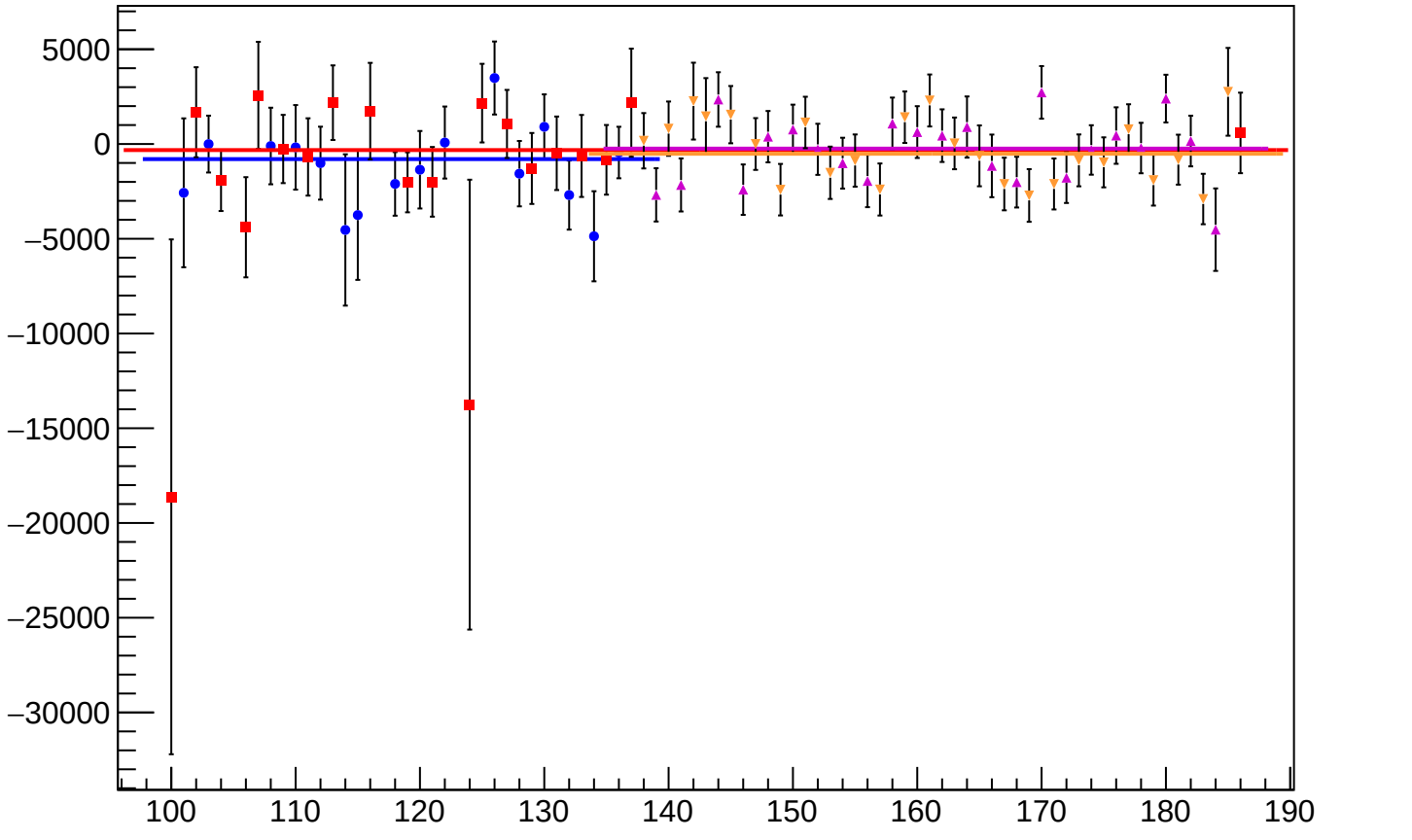
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 383.158+/-0.084 χ^2/NDF: 8552976.2/35

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

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

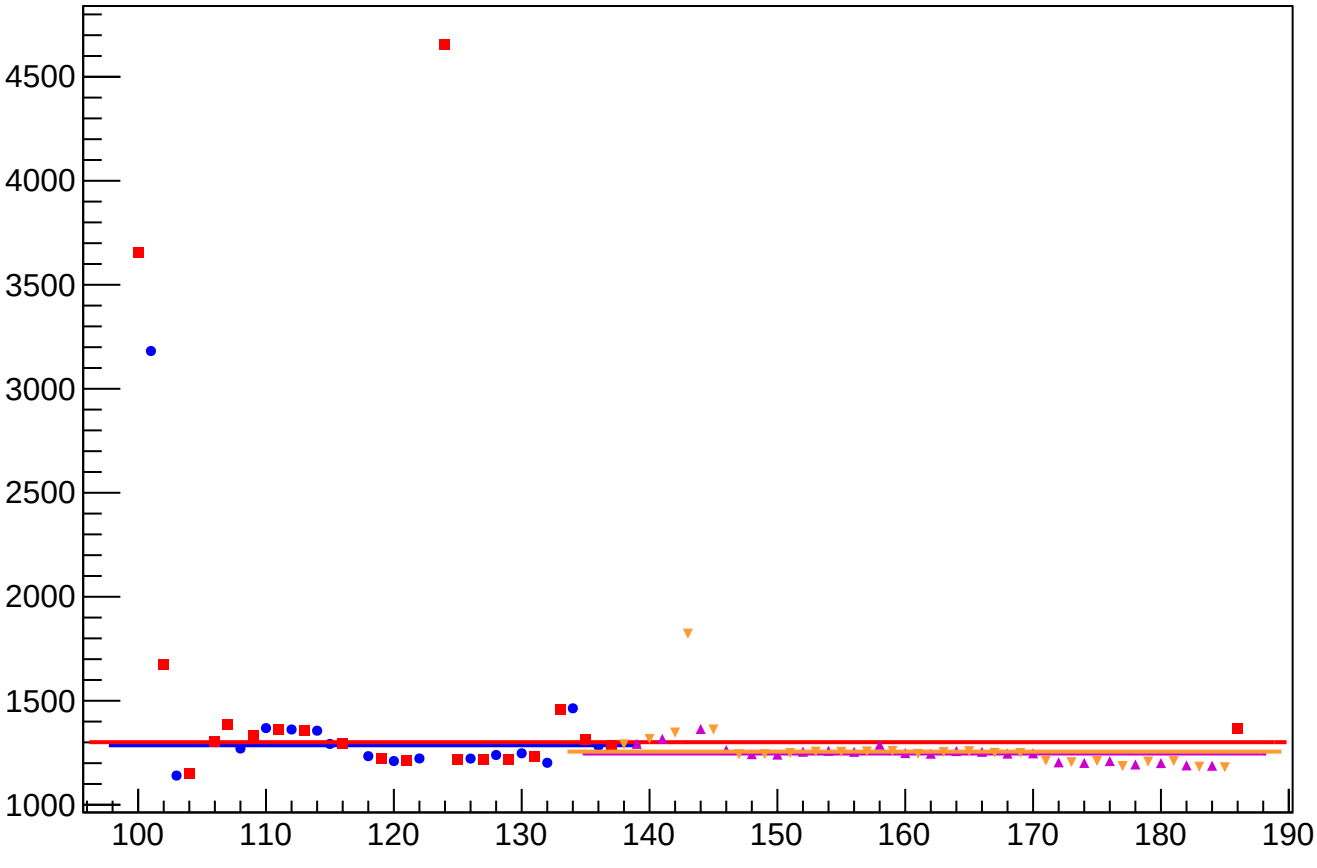
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -551.860+/-339.859 χ^2/NDF: 29.8/35

In: -388.405+/-249.968 χ^2/NDF:46.4/38

Out: -462.590+/-244.855 χ^2/NDF:46.9/44

All: -426.263+/-174.918 χ^2/NDF: 93.4/83



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

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

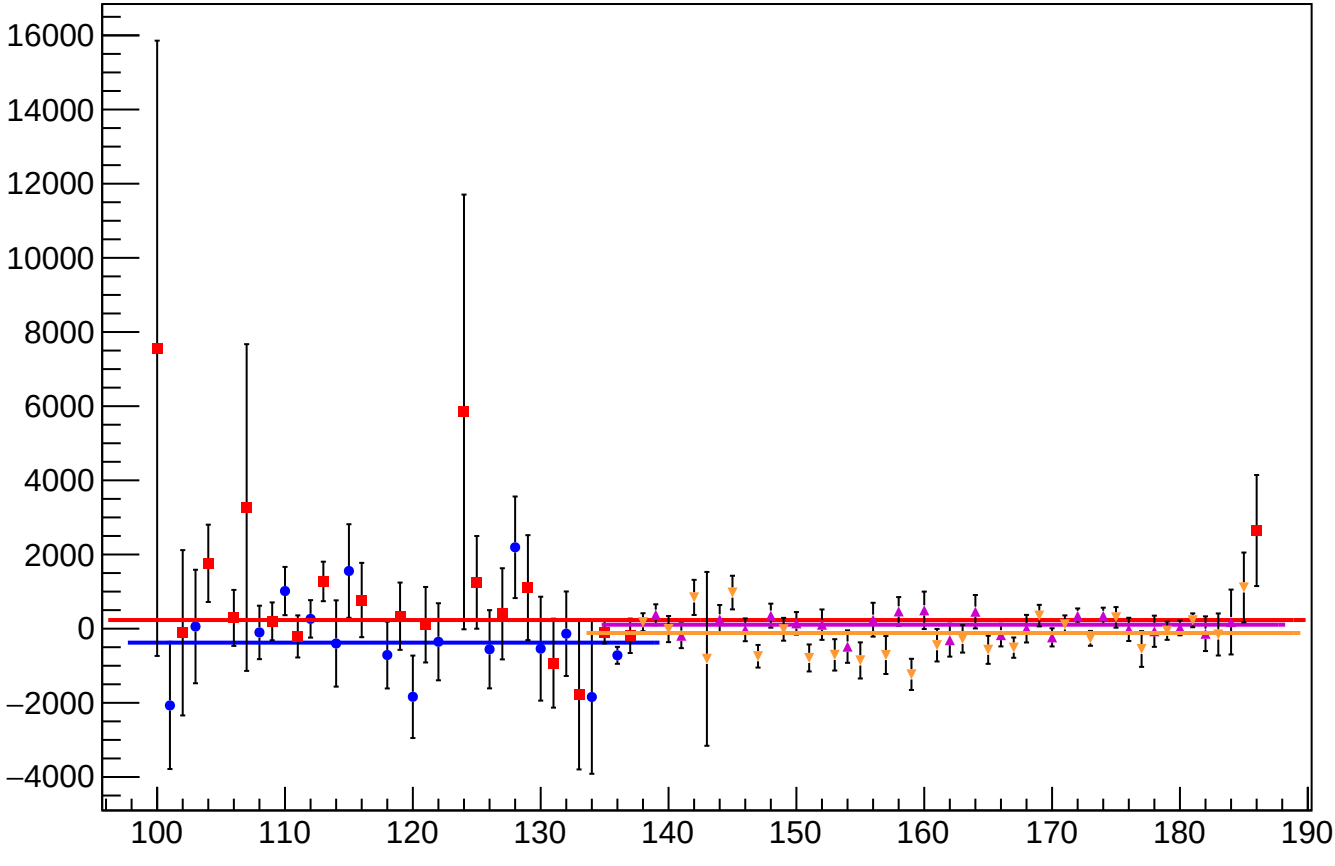
Right: 1293.686+/-0.240 χ^2/NDF: 848859.1/35

In: 1256.805+/-0.177 χ^2/NDF:567783.9/38

Out: 1267.611+/-0.173 χ^2/NDF:546330.3/44

All: 1262.320+/-0.124 χ^2/NDF: 1116021.4/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -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

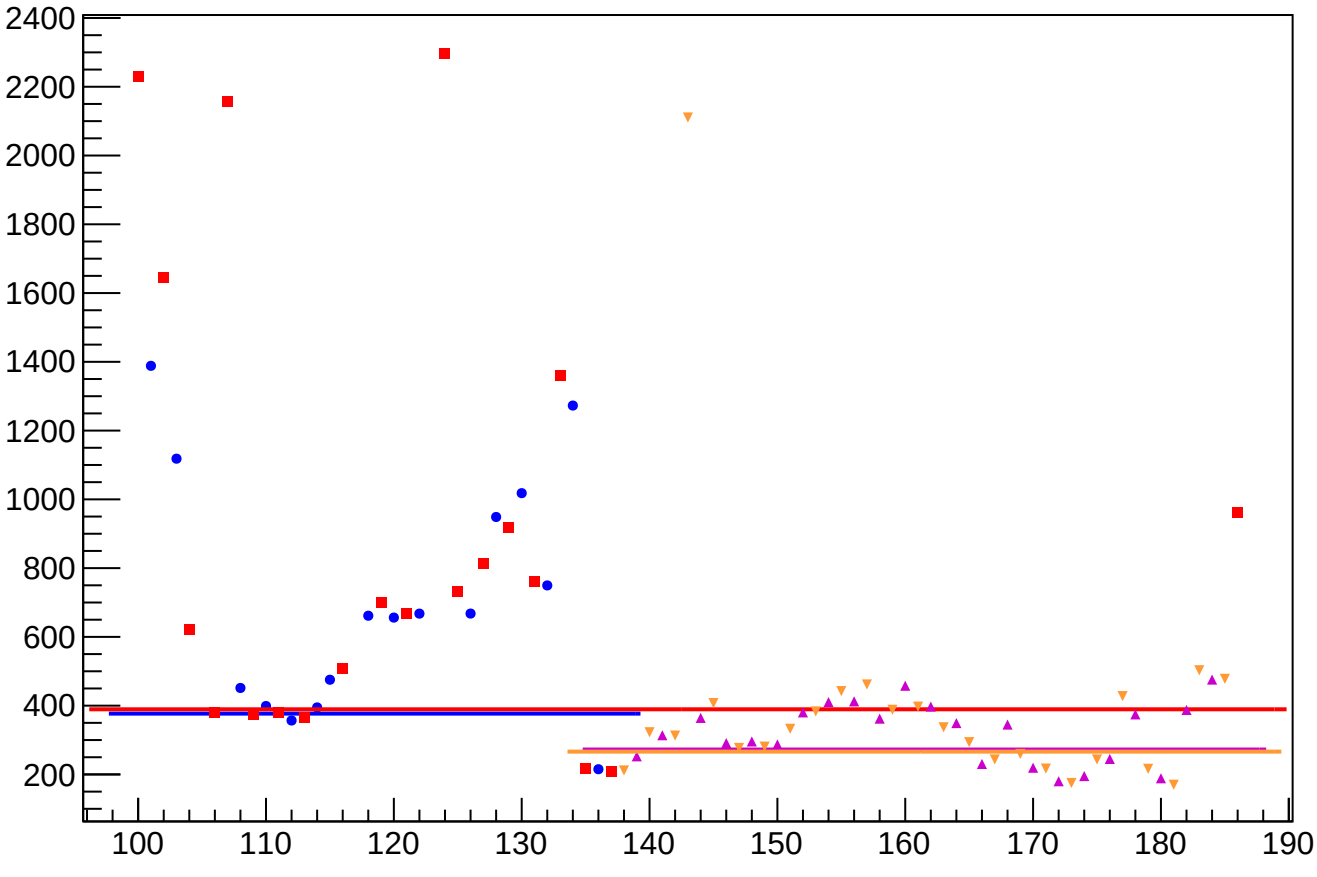
Right: -72.028+/-118.981 χ^2/NDF: 41.2/35

In: 41.159+/-62.247 χ^2/NDF:38.8/38

Out: -71.499+/-60.684 χ^2/NDF:68.9/44

All: -16.602+/-43.452 χ^2/NDF: 109.4/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 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

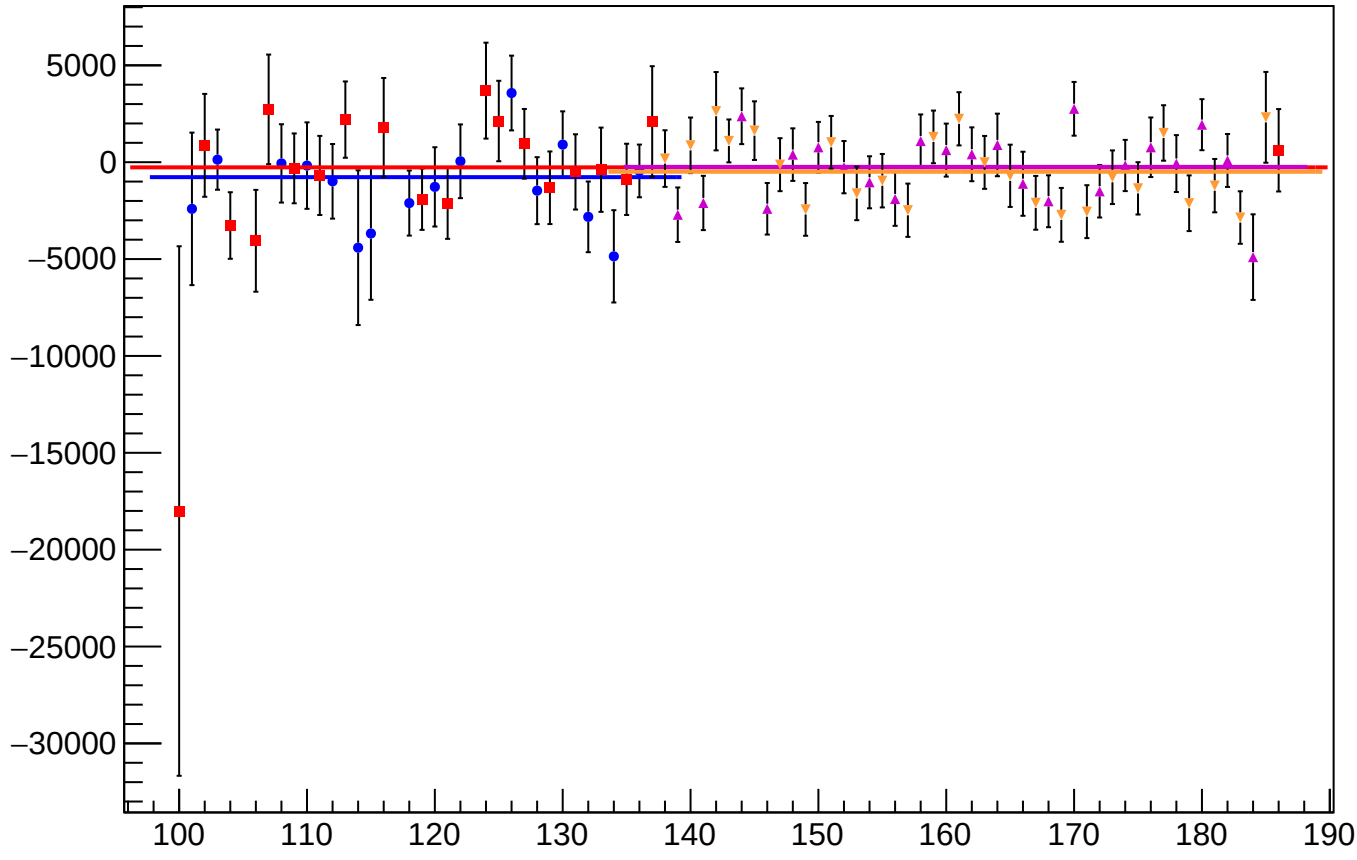
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 383.158+/-0.084 χ^2/NDF: 8552976.2/35

In: 286.687+/-0.044 χ^2/NDF:7747109.0/38

Out: 282.331+/-0.043 χ^2/NDF:9915269.0/44

All: 284.454+/-0.031 χ^2/NDF: 17667397.4/83



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

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

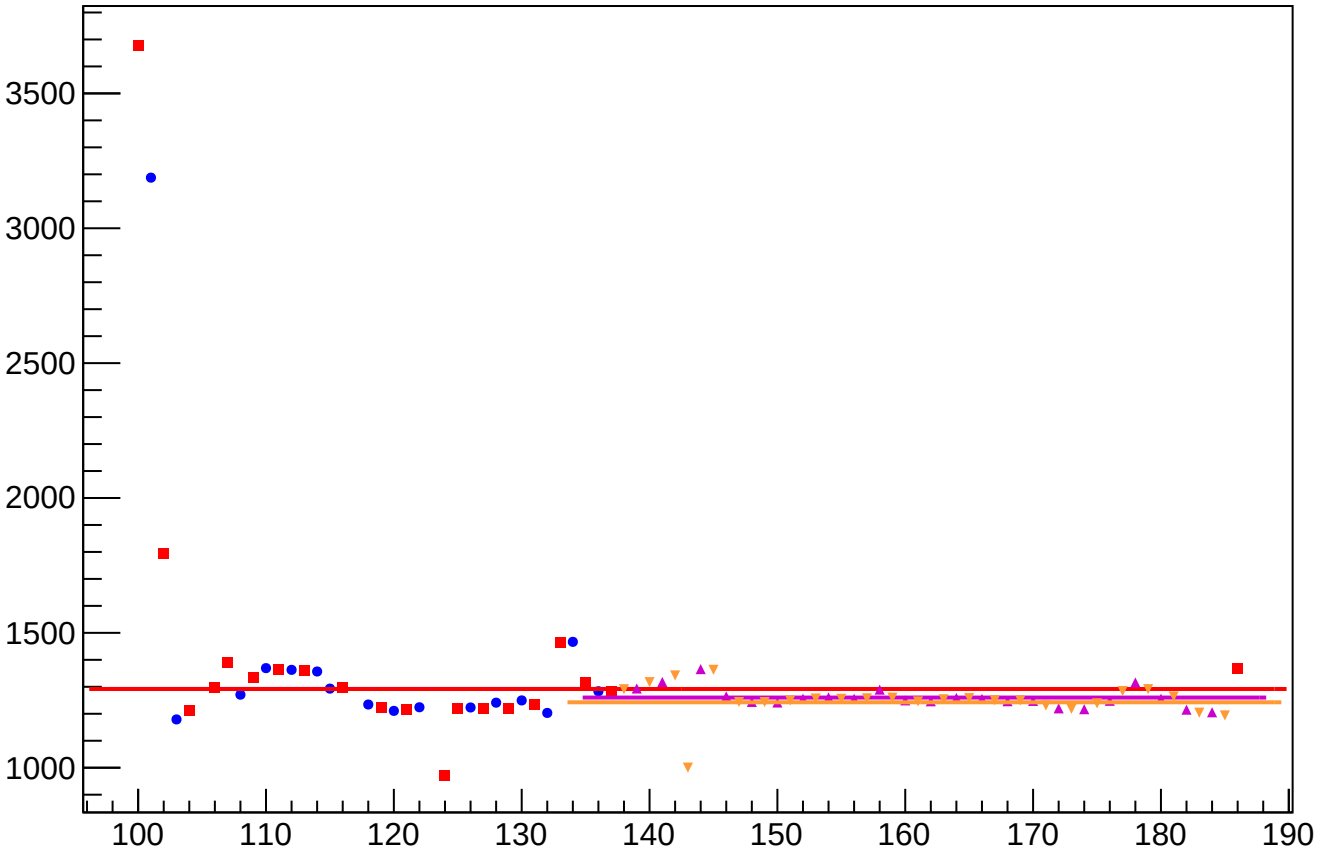
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -508.802+/-339.311 χ^2/NDF: 32.3/35

In: -382.570+/-252.263 χ^2/NDF:45.1/38

Out: -433.136+/-242.368 χ^2/NDF:52.5/44

All: -408.864+/-174.773 χ^2/NDF: 97.7/83



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

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

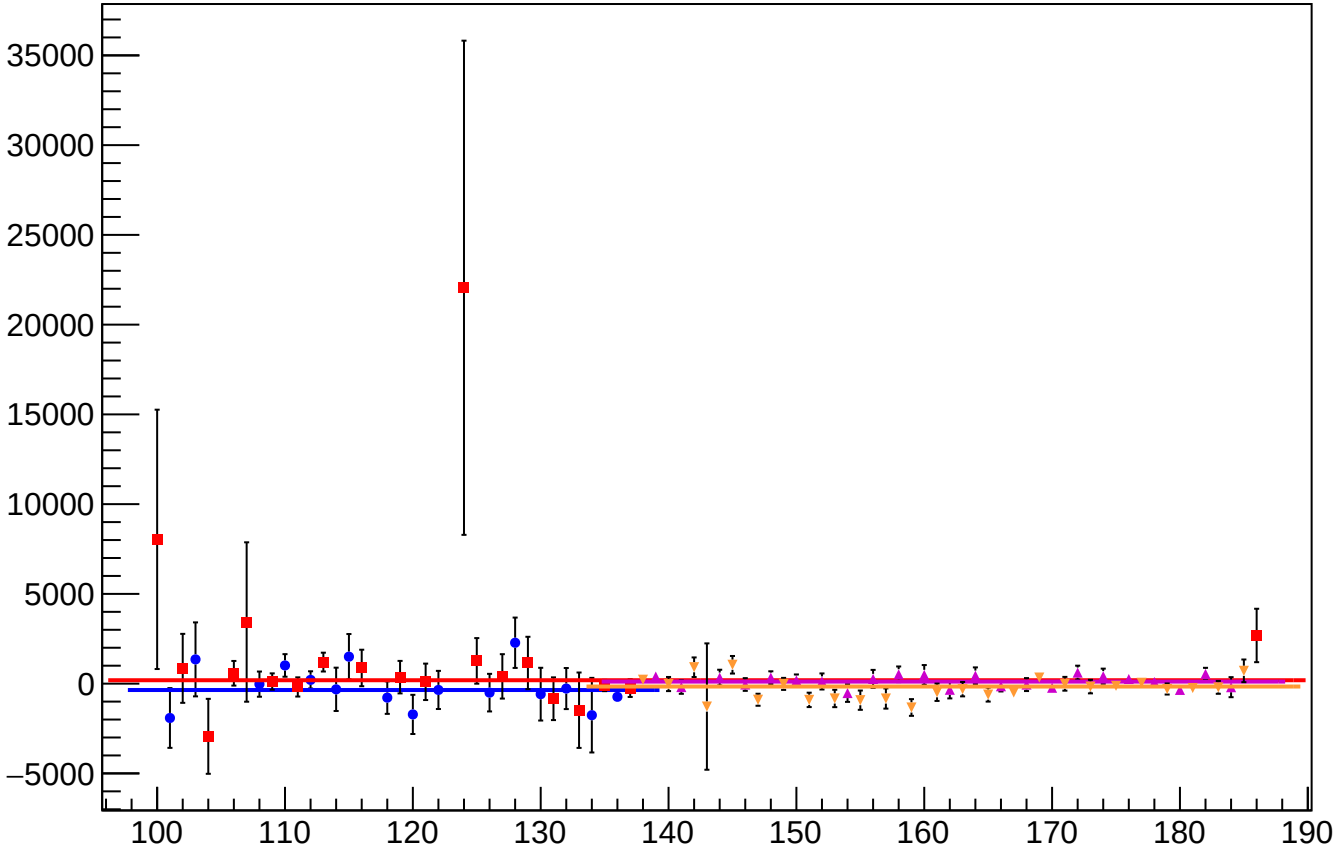
Right: 1291.973+/-0.240 χ^2/NDF: 721315.7/35

In: 1268.574+/-0.178 χ^2/NDF:543592.0/38

Out: 1255.631+/-0.171 χ^2/NDF:358105.1/44

All: 1261.844+/-0.124 χ^2/NDF: 904434.7/83

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -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

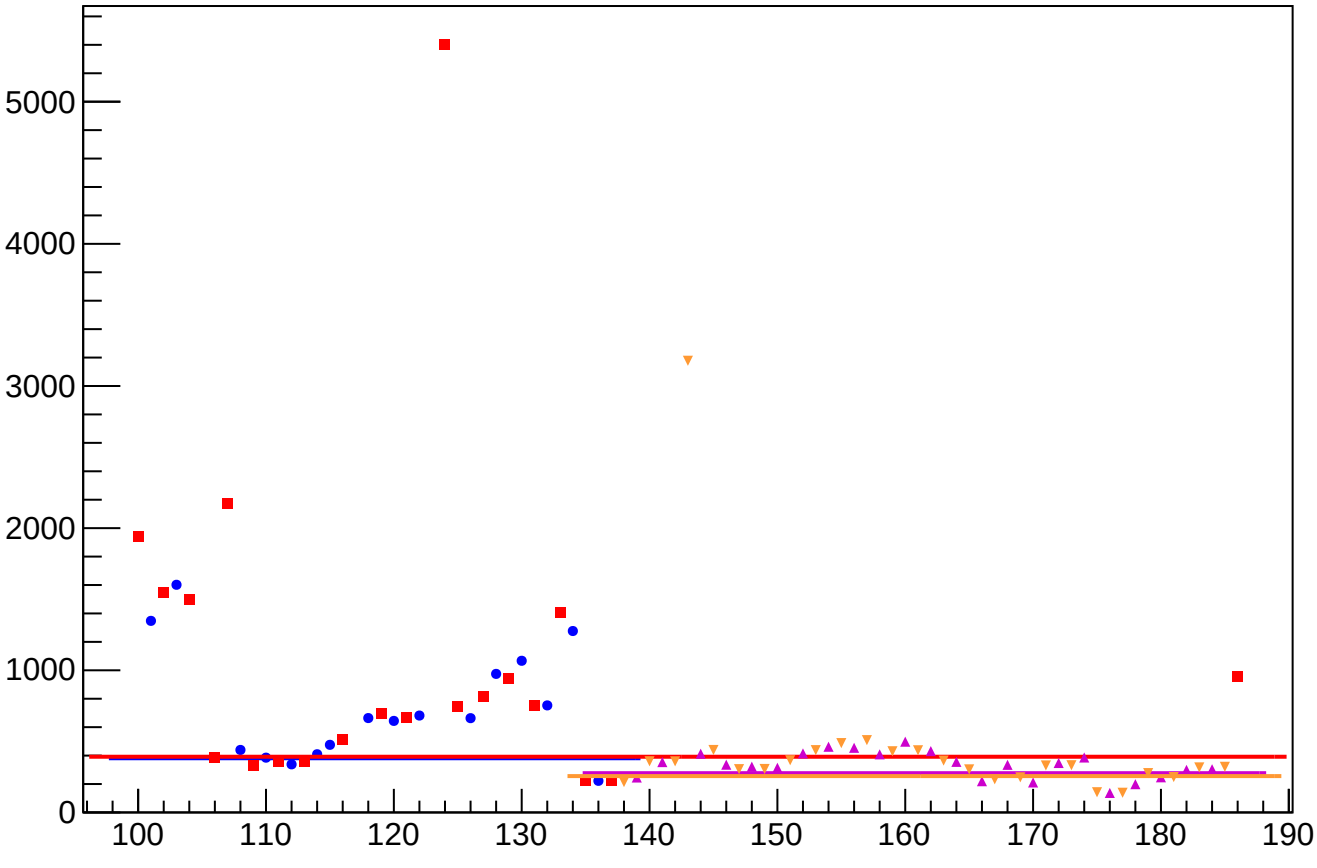
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -80.195+/-119.690 χ^2/NDF: 42.3/35

In: 47.637+/-63.806 χ^2/NDF:43.2/38

Out: -116.517+/-59.941 χ^2/NDF:66.2/44

All: -39.561+/-43.687 χ^2/NDF: 112.9/83



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

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

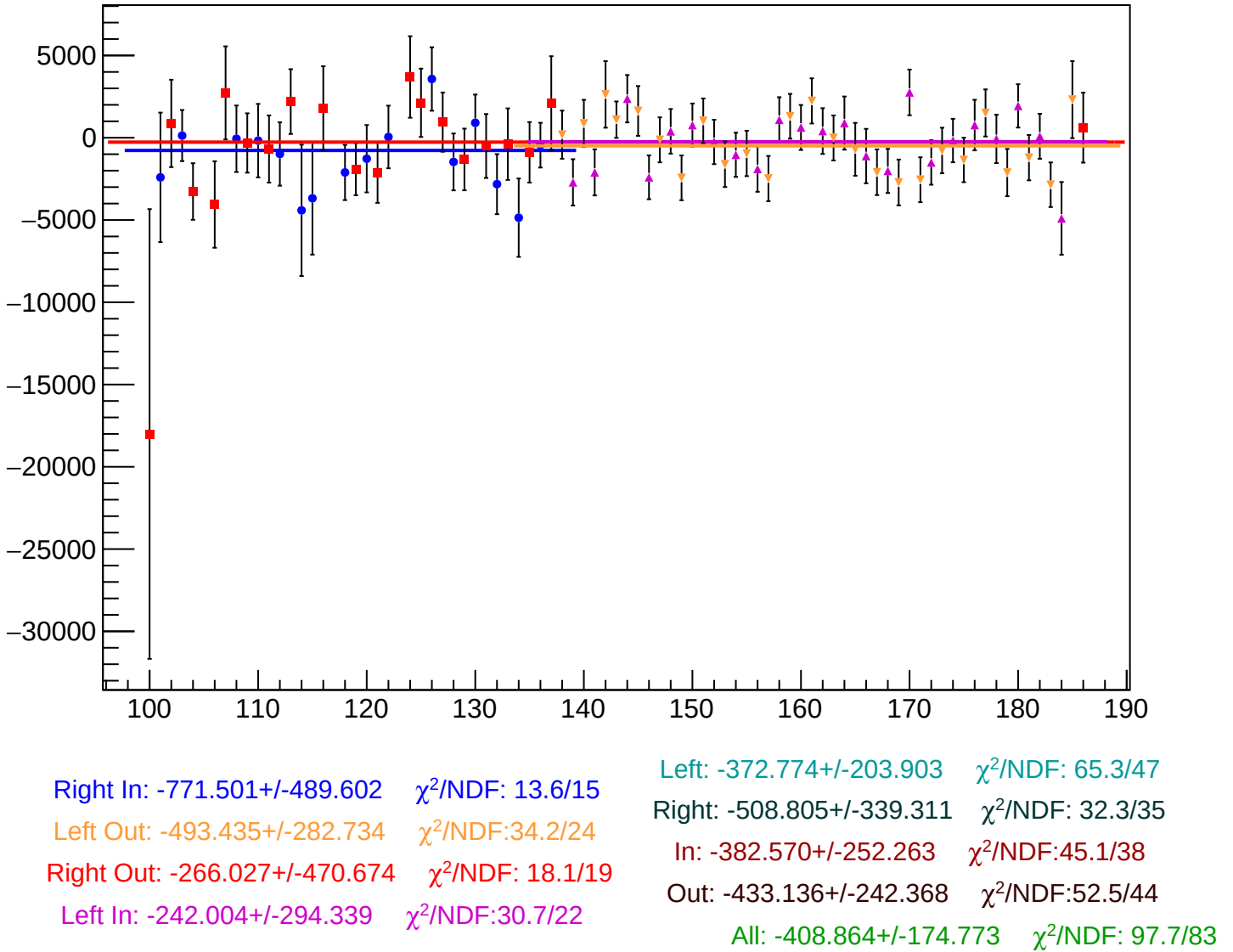
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

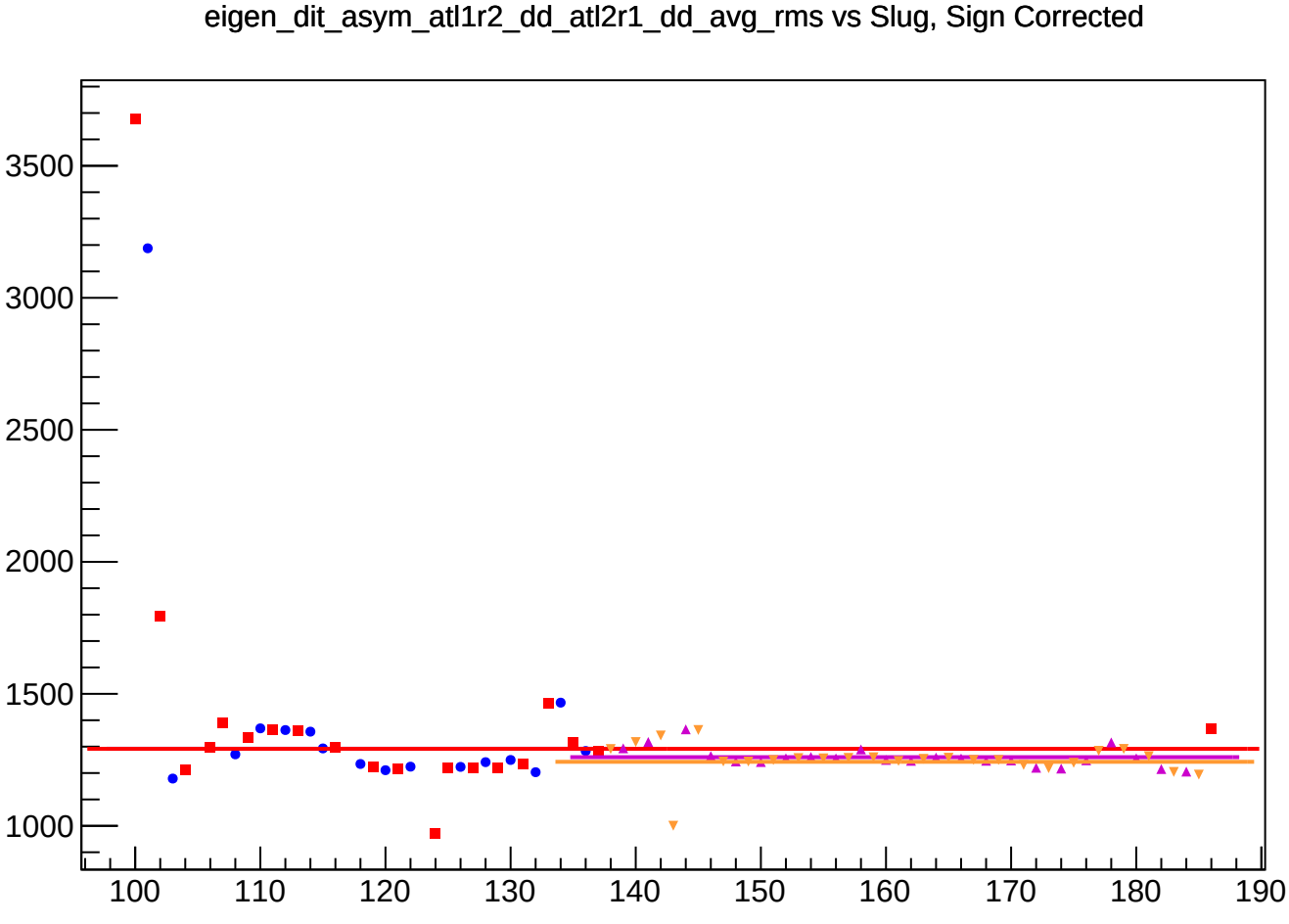
Right: 386.698+/-0.085 χ^2/NDF: 9171307.7/35

In: 291.102+/-0.045 χ^2/NDF:9001649.9/38

Out: 272.988+/-0.042 χ^2/NDF:12363751.2/44

All: 281.480+/-0.031 χ^2/NDF: 21451027.9/83


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -266.027+/-470.674 χ²/NDF: 18.1/19
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -508.805+/-339.311 χ²/NDF: 32.3/35
In: -382.570+/-252.263 χ²/NDF:45.1/38
Out: -433.136+/-242.368 χ²/NDF:52.5/44
All: -408.864+/-174.773 χ²/NDF: 97.7/83



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

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

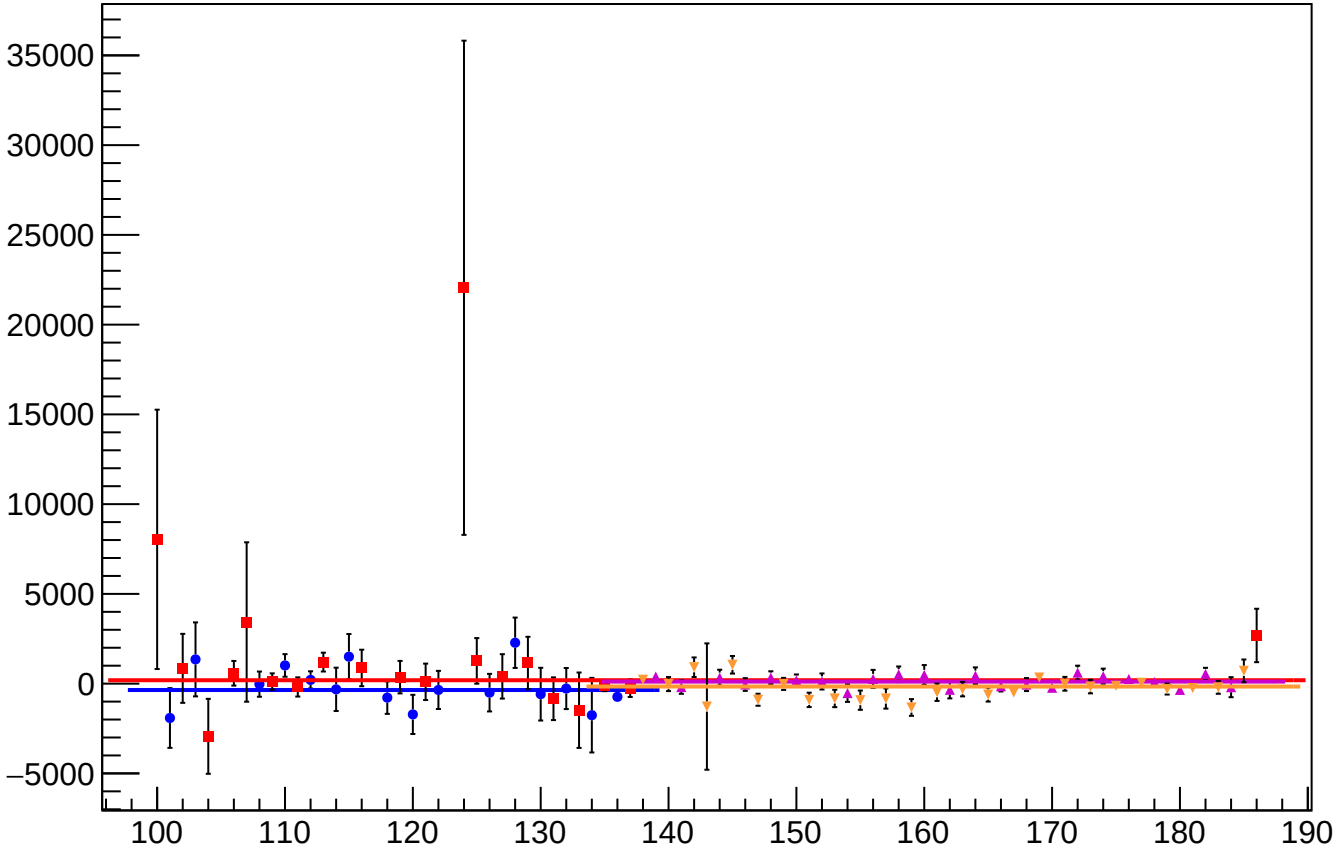
Right: 1291.973+/-0.240 χ^2/NDF: 721315.9/35

In: 1268.574+/-0.178 χ^2/NDF:543592.1/38

Out: 1255.631+/-0.171 χ^2/NDF:358104.5/44

All: 1261.844+/-0.124 χ^2/NDF: 904434.2/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -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

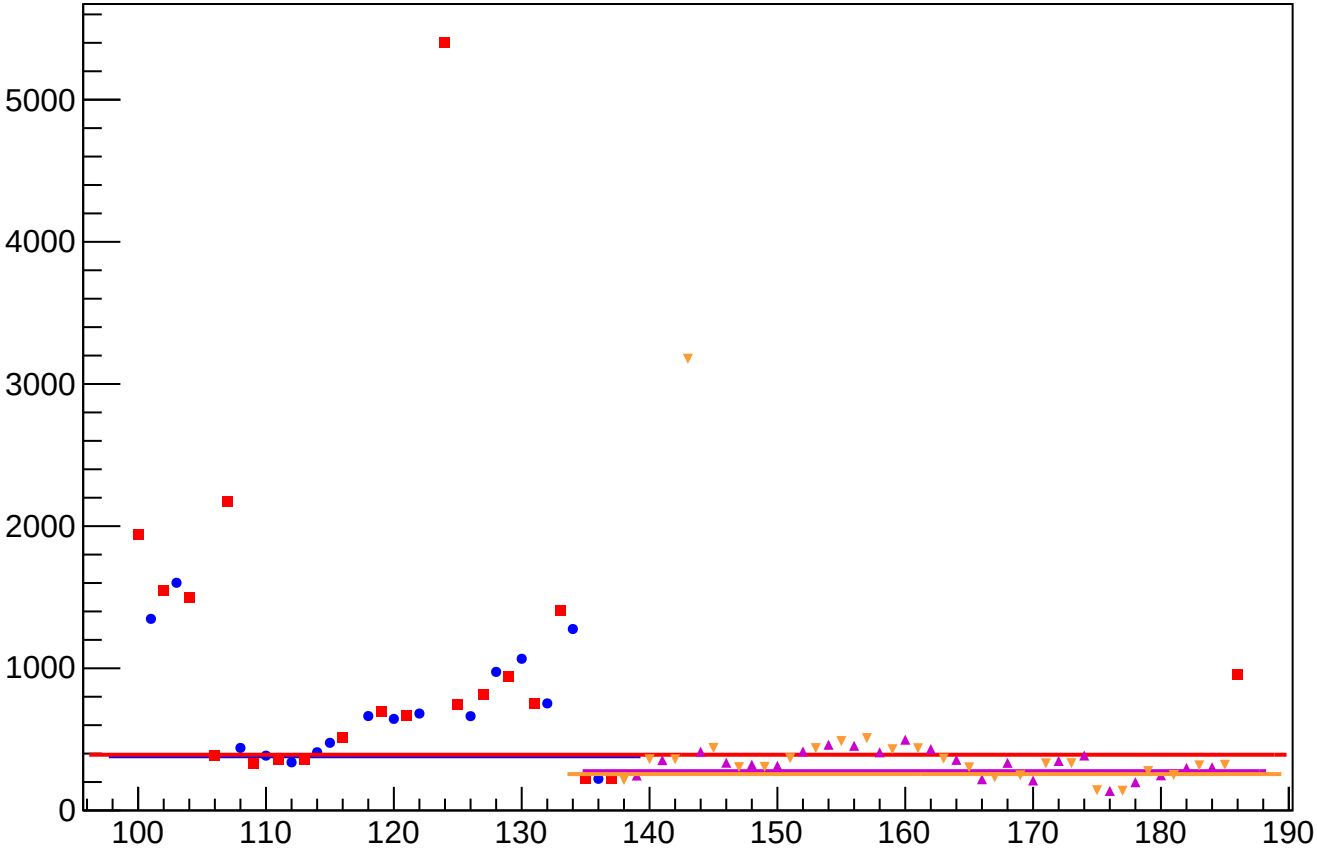
Right: -80.191+/-119.692 χ^2/NDF: 42.3/35

In: 47.638+/-63.806 χ^2/NDF:43.2/38

Out: -116.520+/-59.942 χ^2/NDF:66.2/44

All: -39.563+/-43.687 χ^2/NDF: 112.9/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 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

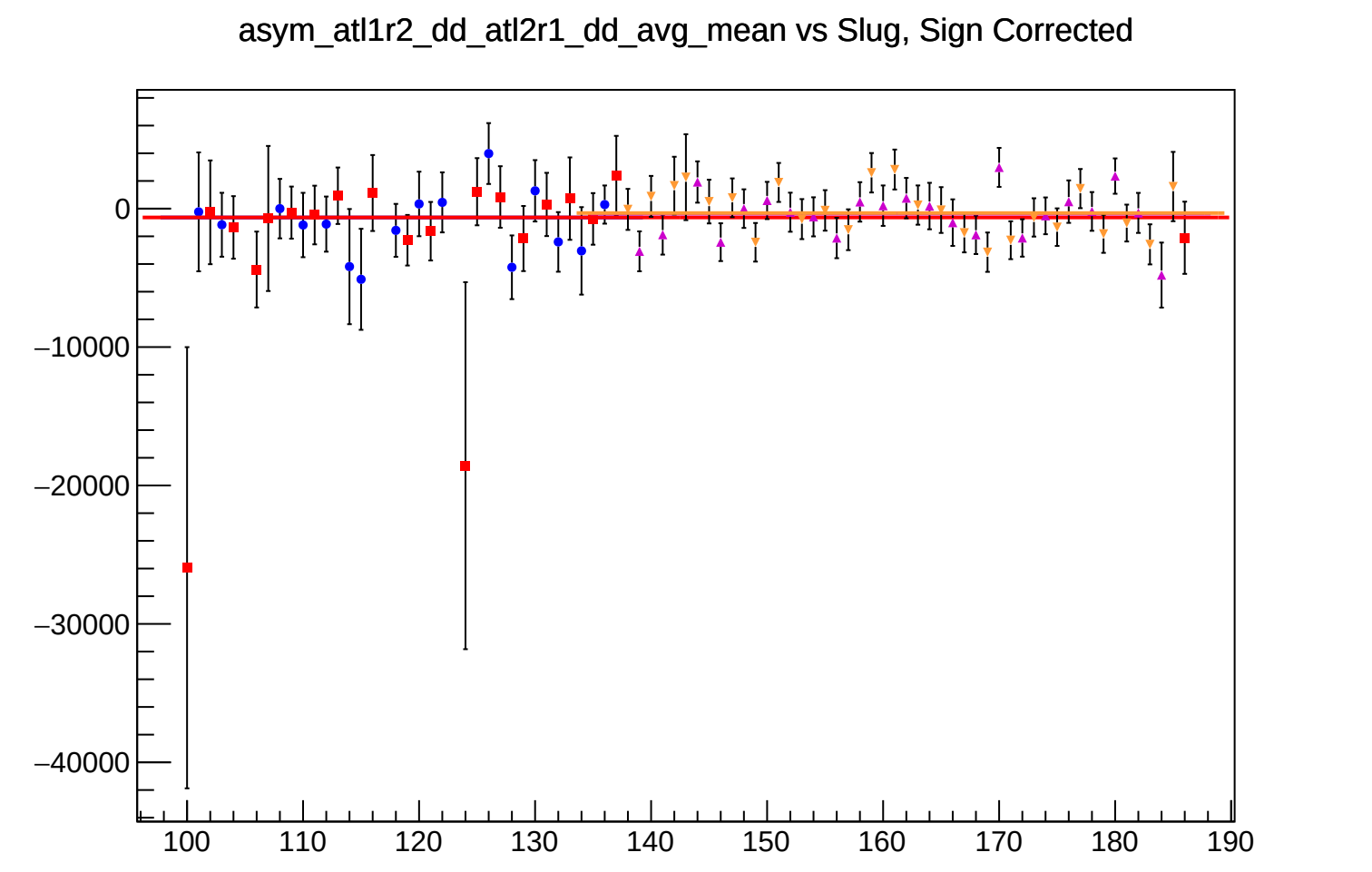
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 386.707+/-0.085 χ^2/NDF: 9170969.5/35

In: 291.104+/-0.045 χ^2/NDF:9001525.1/38

Out: 272.990+/-0.042 χ^2/NDF:12363584.5/44

All: 281.482+/-0.031 χ^2/NDF: 21450731.7/83



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

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

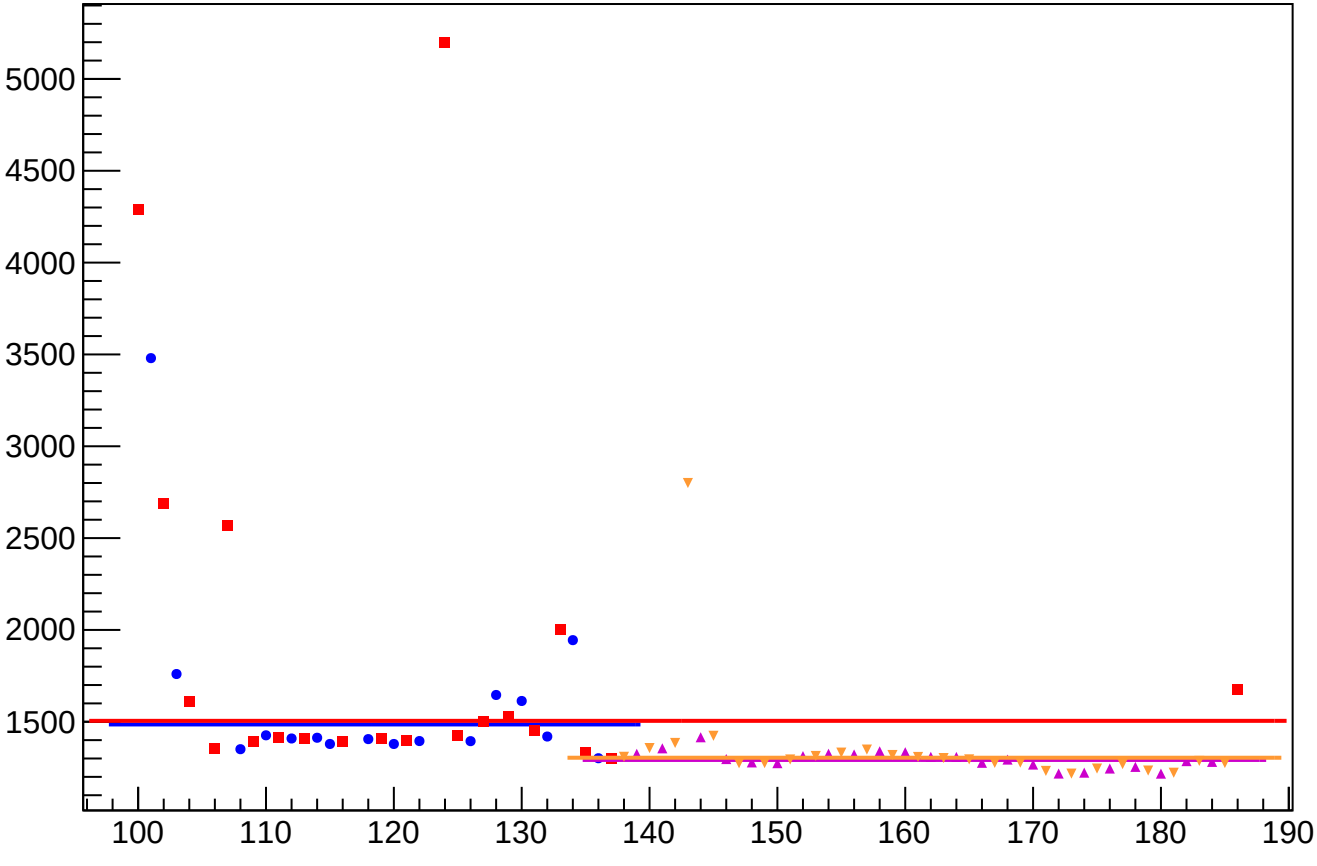
Right: -638.645+/-395.295 χ^2/NDF: 24.1/35

In: -419.672+/-266.207 χ^2/NDF:42.3/38

Out: -390.968+/-262.610 χ^2/NDF:43.5/44

All: -405.125+/-186.952 χ^2/NDF: 85.8/83

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 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

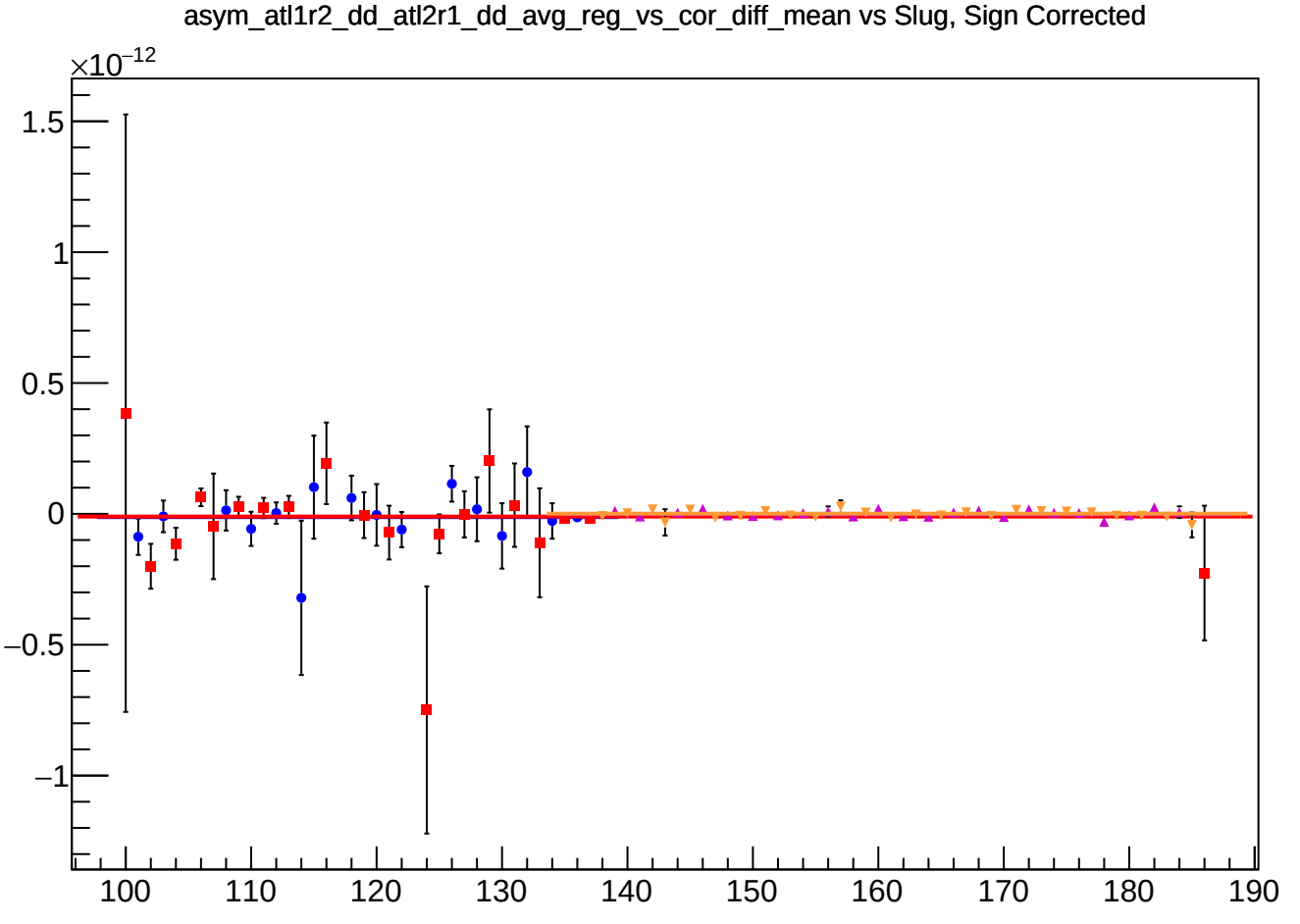
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1495.367+/-0.280 χ^2/NDF: 1218116.8/35

In: 1335.119+/-0.188 χ^2/NDF:815135.7/38

Out: 1349.310+/-0.186 χ^2/NDF:1355891.2/44

All: 1342.311+/-0.132 χ^2/NDF: 2173907.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

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

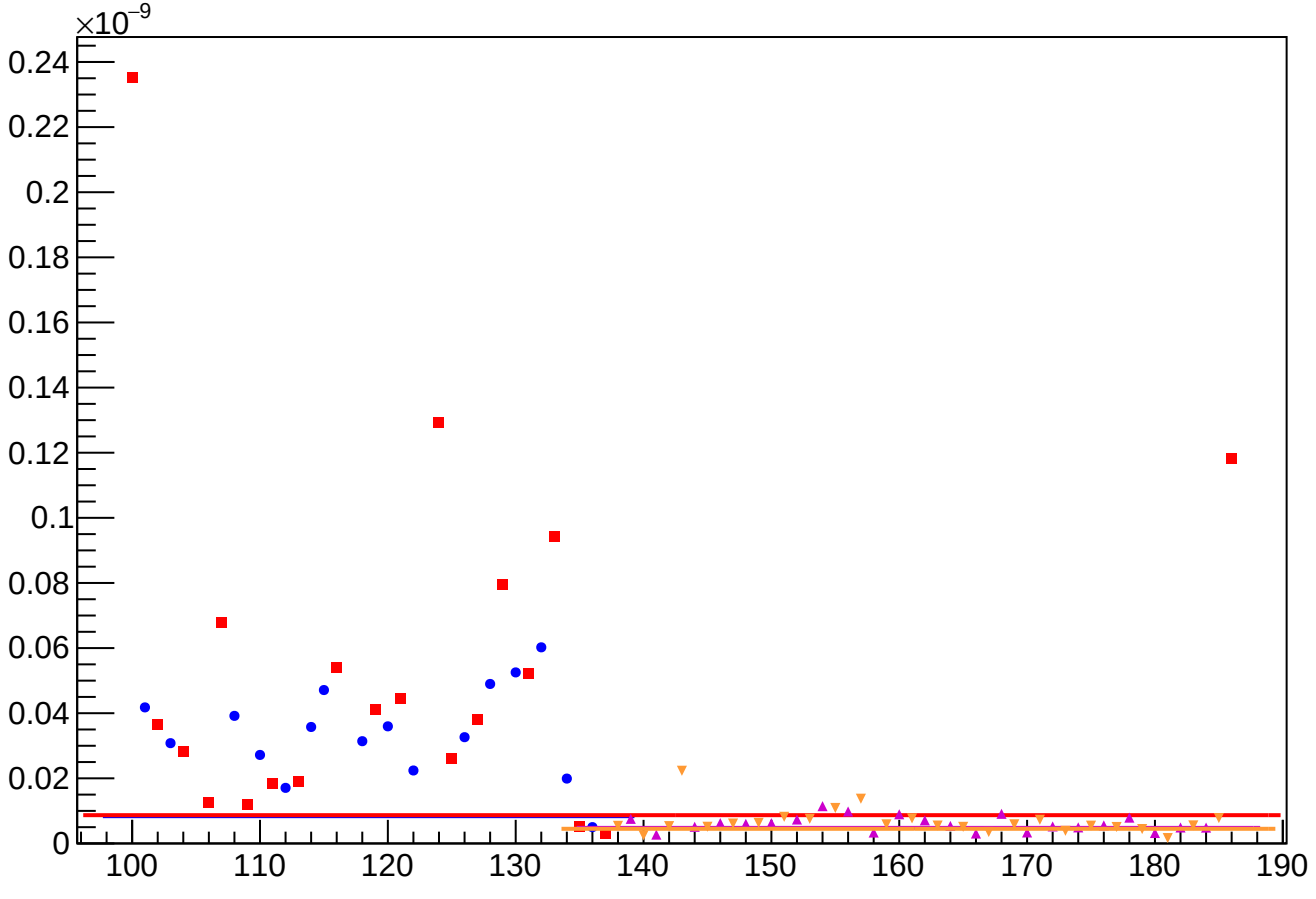
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 32.5/35

In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:49.1/44

All: -0.000+/-0.000 χ^2/NDF: 90.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

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

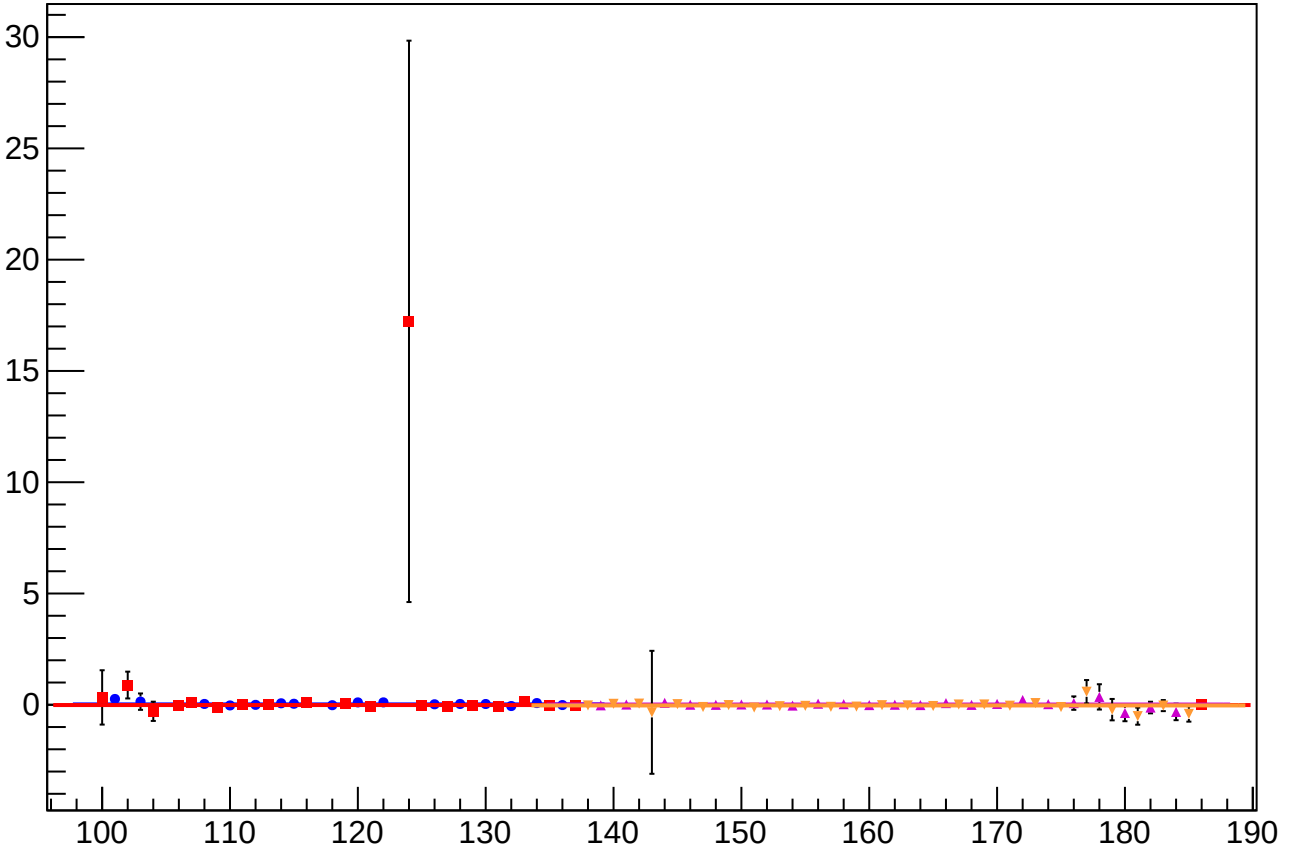
Right: 0.000+/-0.000 χ^2/NDF: 6772385.0/35

In: 0.000+/-0.000 χ^2/NDF:5381926.7/38

Out: 0.000+/-0.000 χ^2/NDF:6943286.3/44

All: 0.000+/-0.000 χ^2/NDF: 12351883.7/83

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

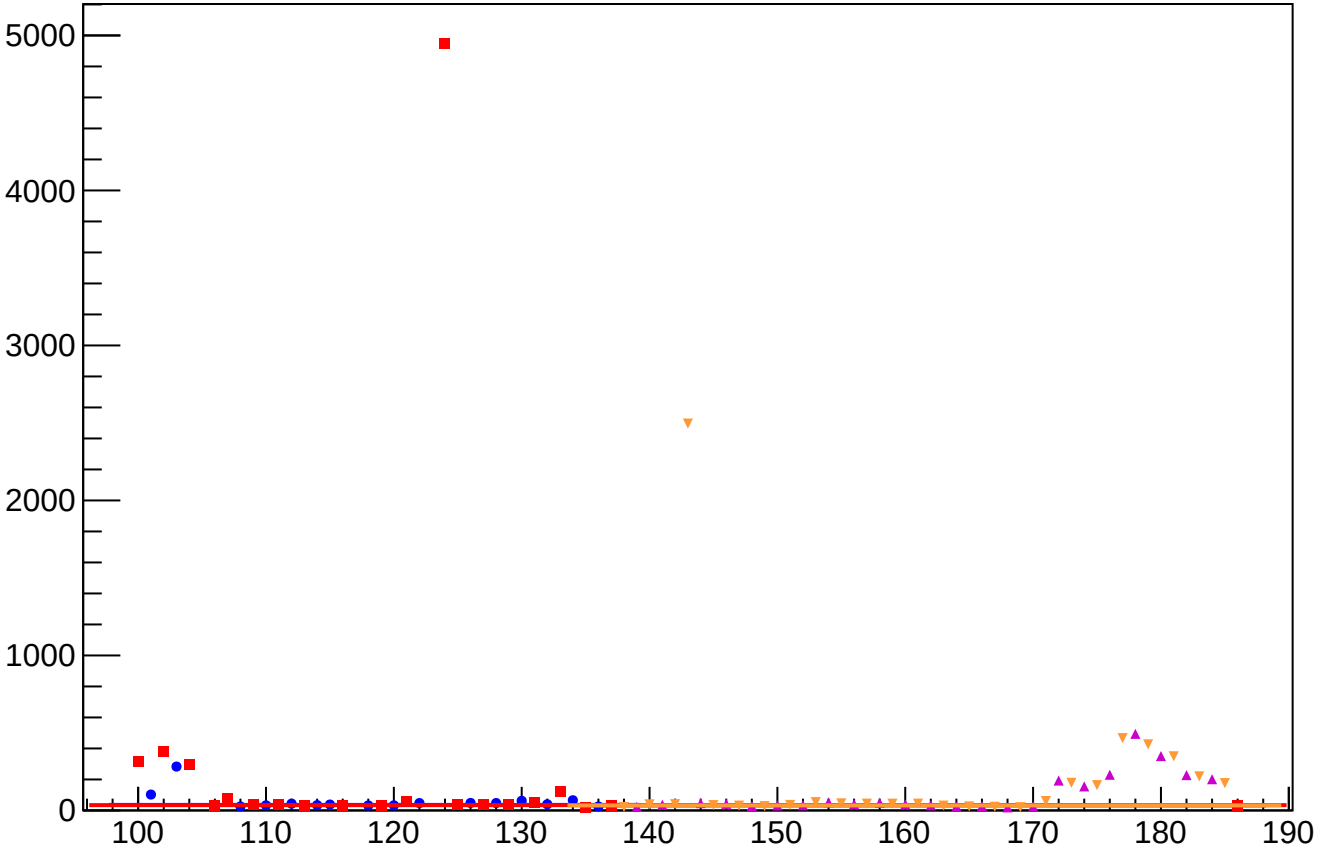
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 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

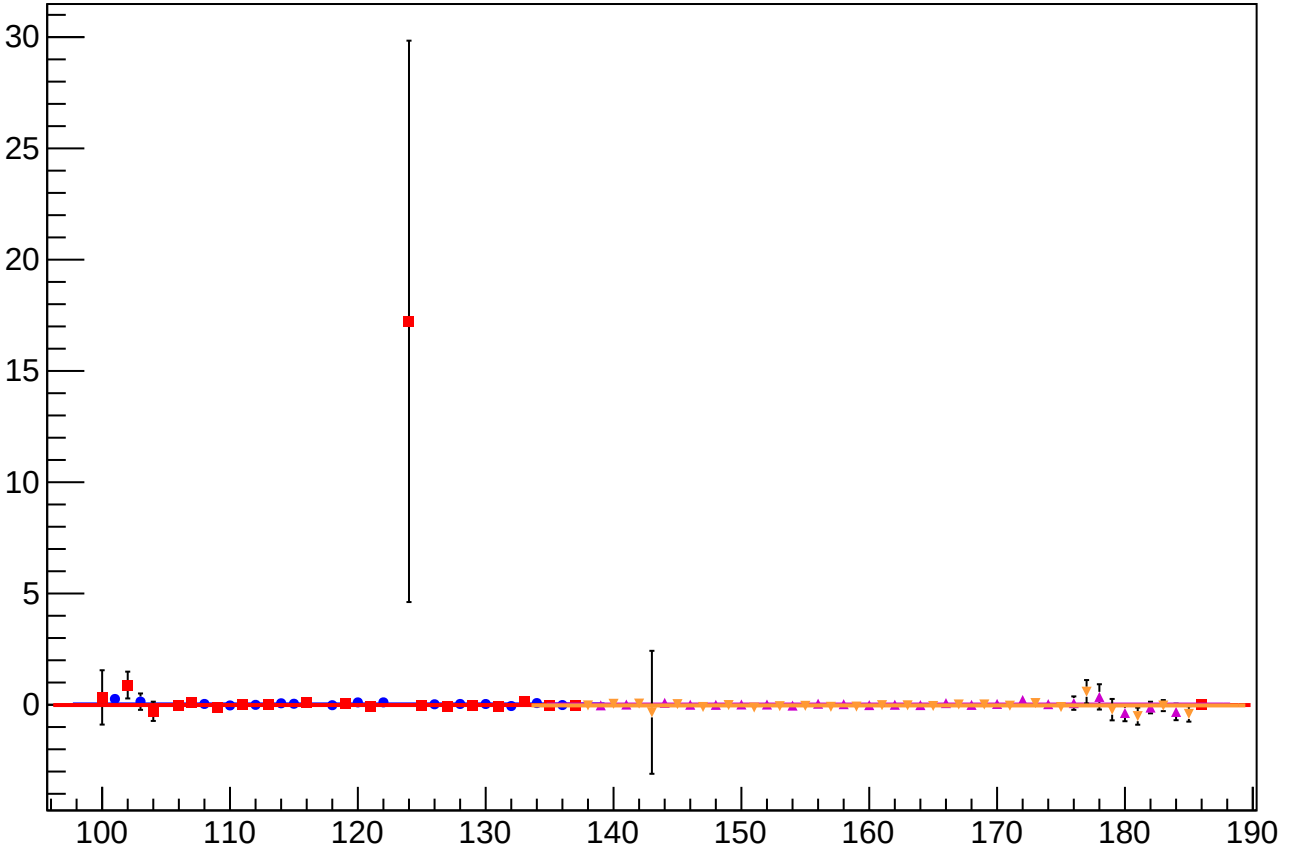
Right: 35.012+/-0.008 χ^2/NDF: 5210916.4/35

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

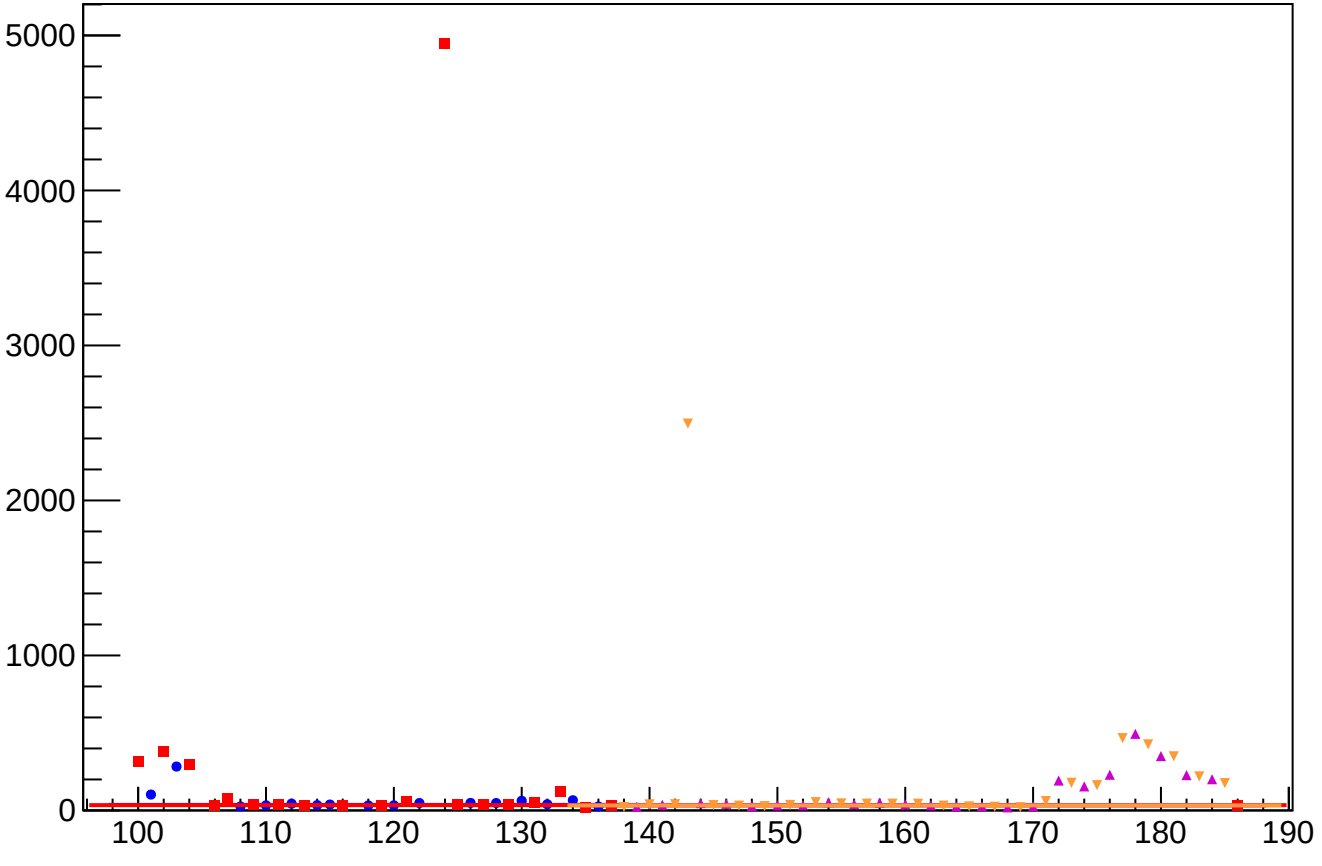
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 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

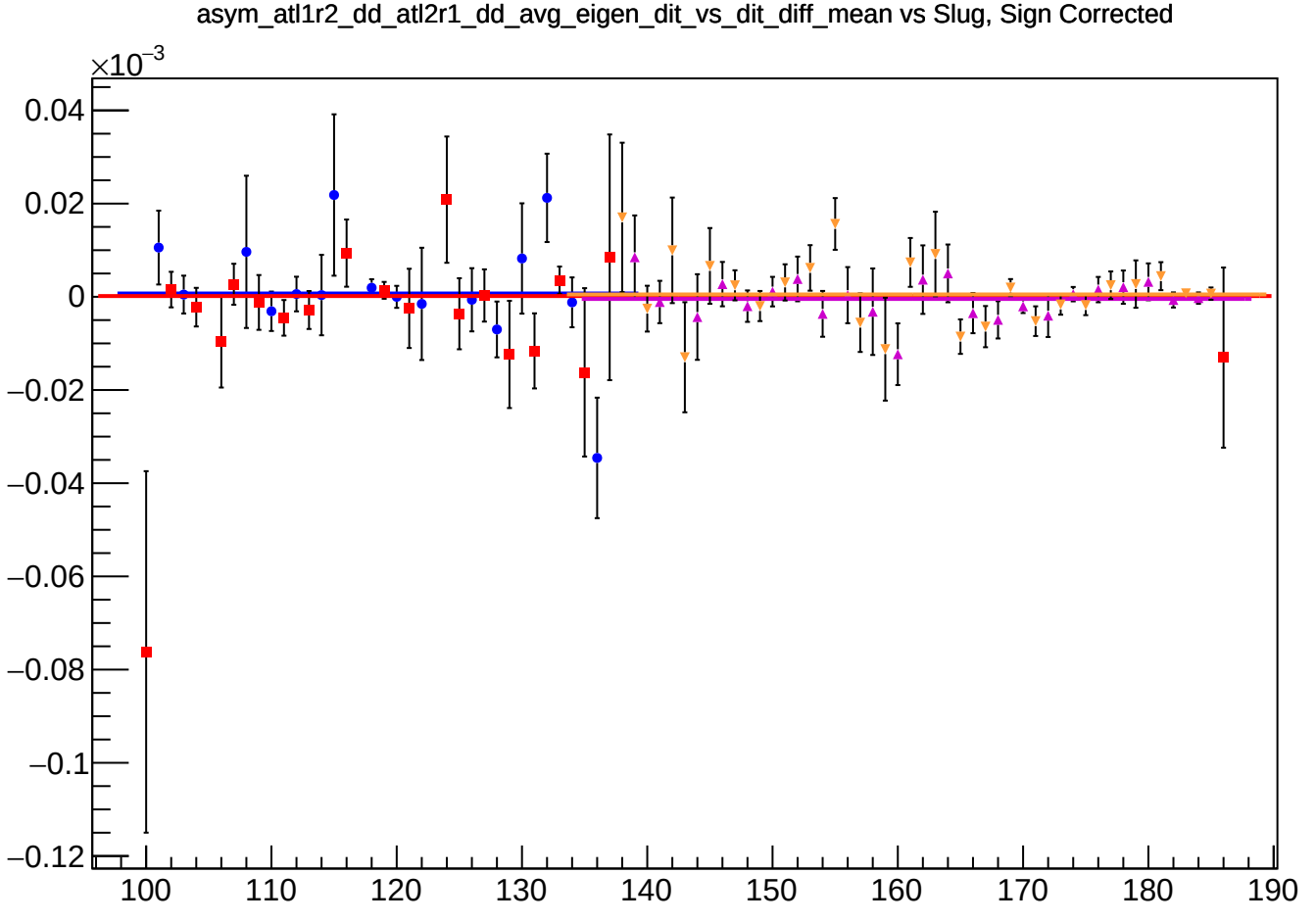
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.012+/-0.008 χ^2/NDF: 5210916.4/35

In: 33.563+/-0.006 χ^2/NDF:11282892.1/38

Out: 33.060+/-0.006 χ^2/NDF:13829140.2/44

All: 33.310+/-0.004 χ^2/NDF: 25115913.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

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

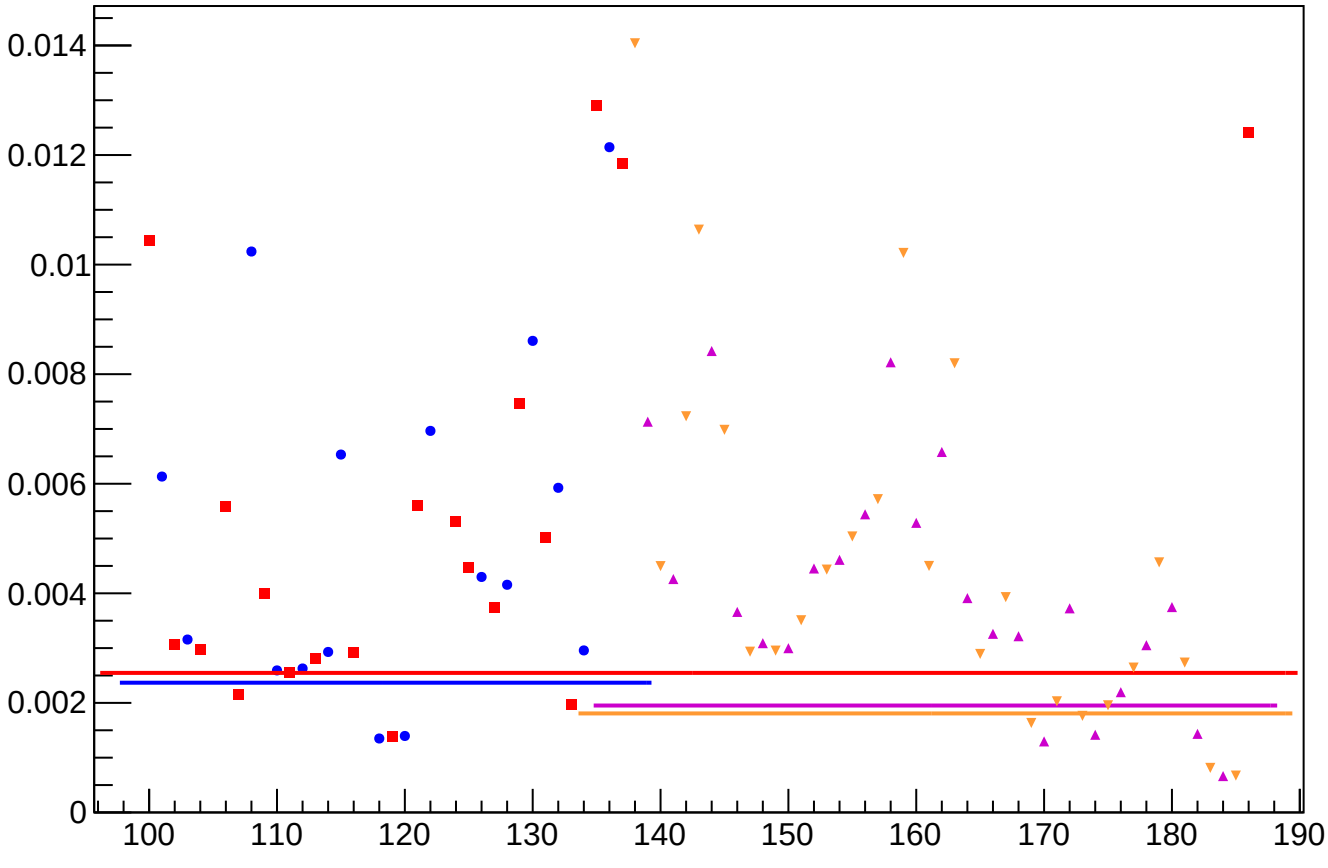
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.8/35

In: -0.000+/-0.000 χ^2/NDF:33.7/38

Out: 0.000+/-0.000 χ^2/NDF:54.4/44

All: 0.000+/-0.000 χ^2/NDF: 88.8/83



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

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

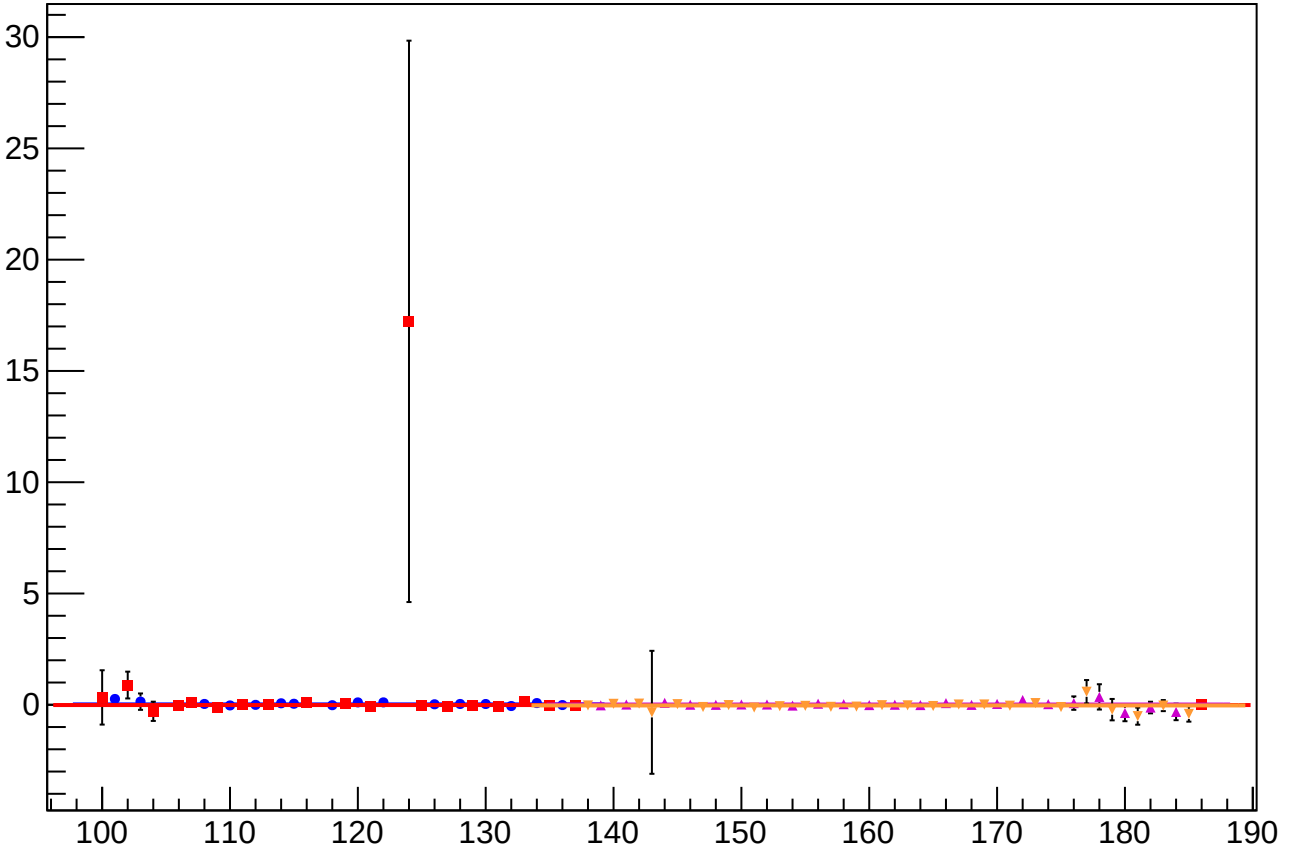
Right: 0.002+/-0.000 χ^2/NDF: 8668786.9/35

In: 0.002+/-0.000 χ^2/NDF:16421206.7/38

Out: 0.002+/-0.000 χ^2/NDF:19627746.8/44

All: 0.002+/-0.000 χ^2/NDF: 36074995.4/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

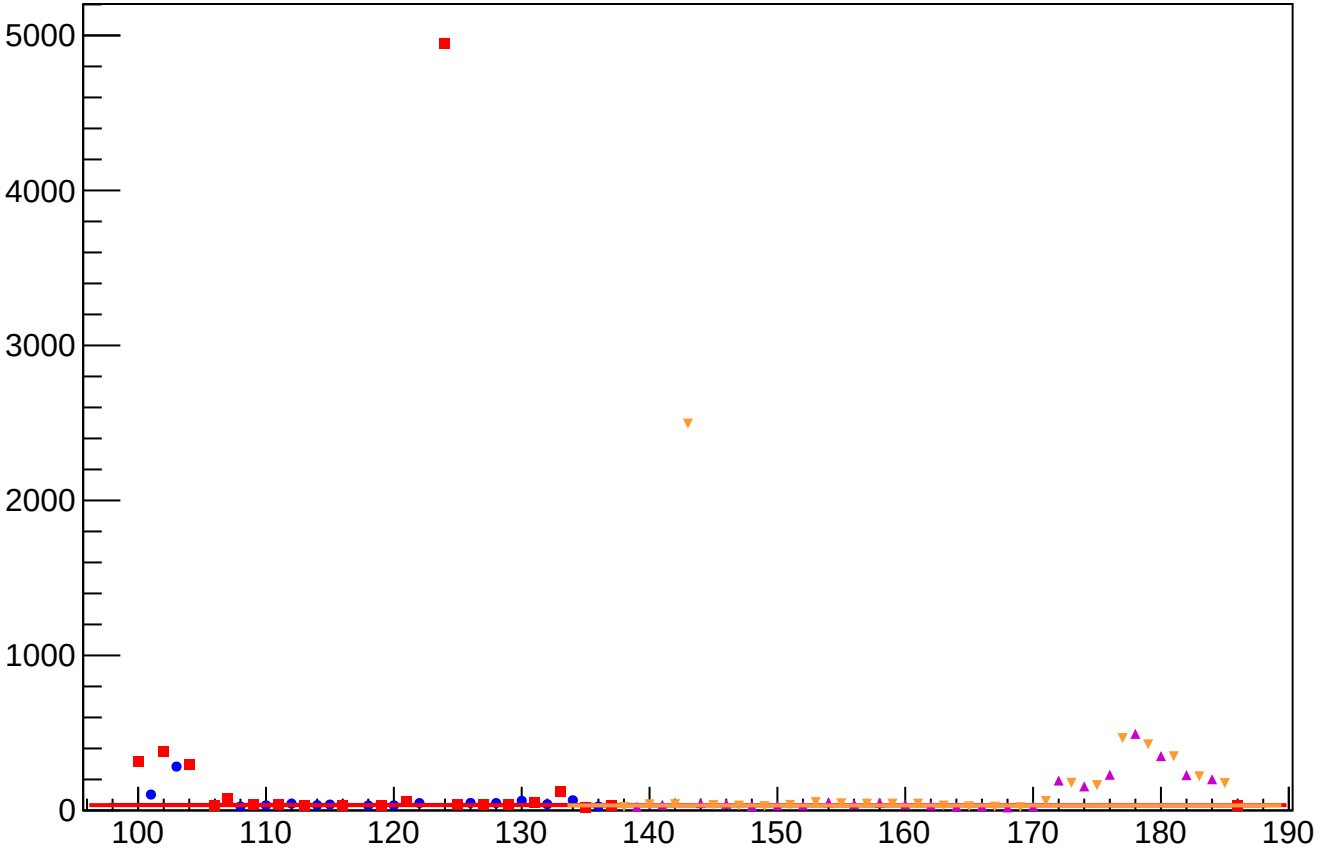
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 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

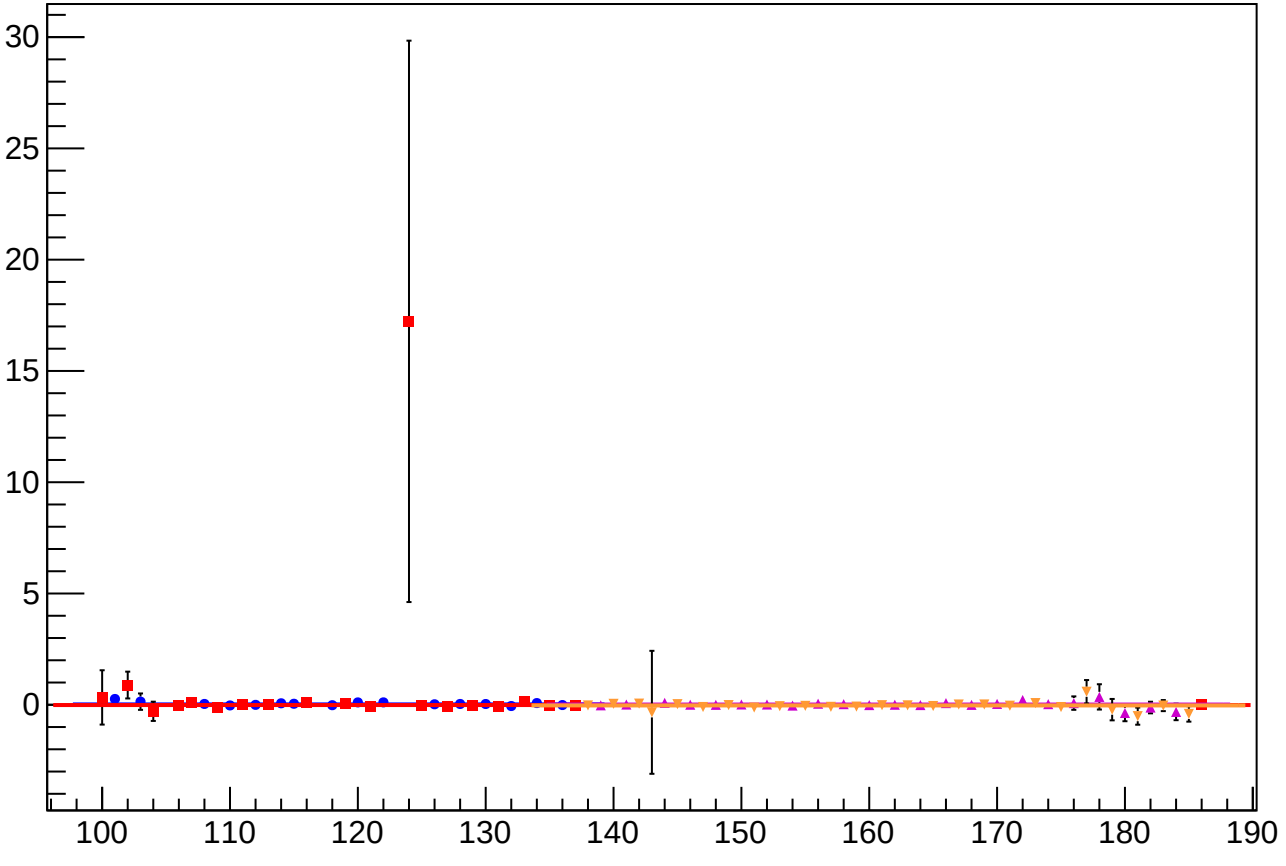
Right: 35.013+/-0.008 χ^2/NDF: 5210489.1/35

In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.028+/-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

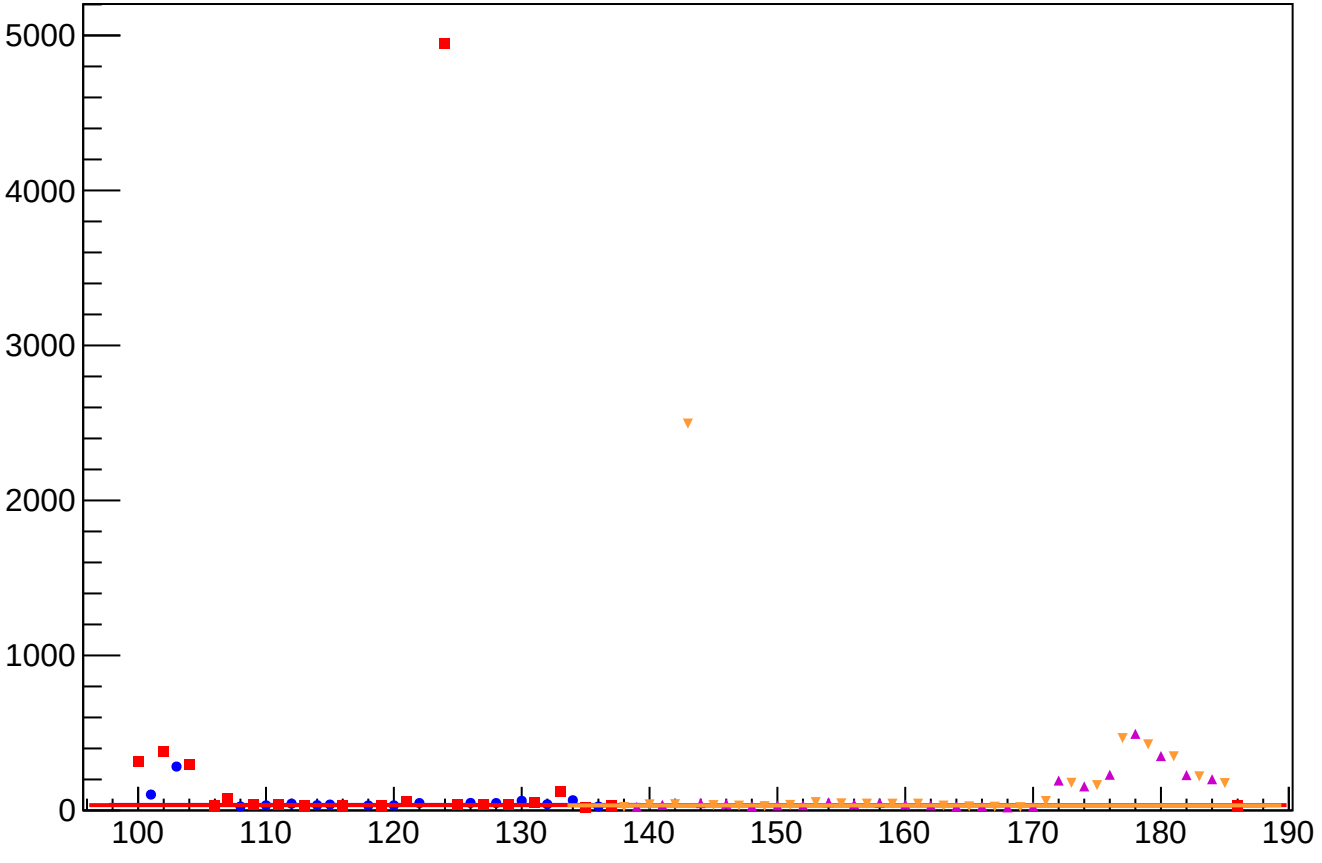
Right: 0.002+/-0.011 χ^2/NDF: 29.5/35

In: 0.012+/-0.008 χ^2/NDF:24.8/38

Out: -0.023+/-0.008 χ^2/NDF:45.2/44

All: -0.006+/-0.006 χ^2/NDF: 79.8/83

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 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

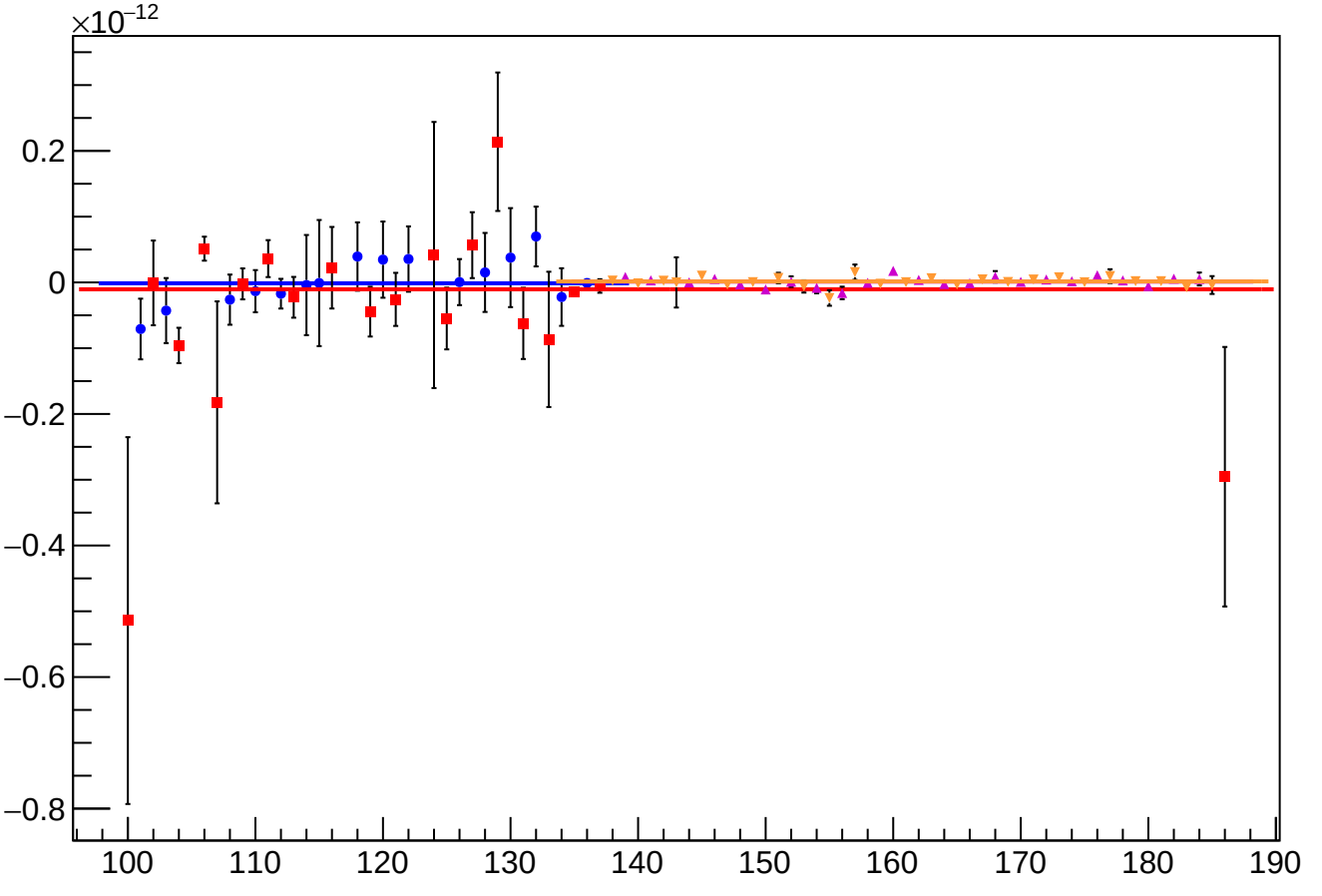
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.013+/-0.008 χ^2/NDF: 5210489.1/35

In: 33.562+/-0.006 χ^2/NDF:11283350.5/38

Out: 33.060+/-0.006 χ^2/NDF:13829259.9/44

All: 33.309+/-0.004 χ^2/NDF: 25116481.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

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

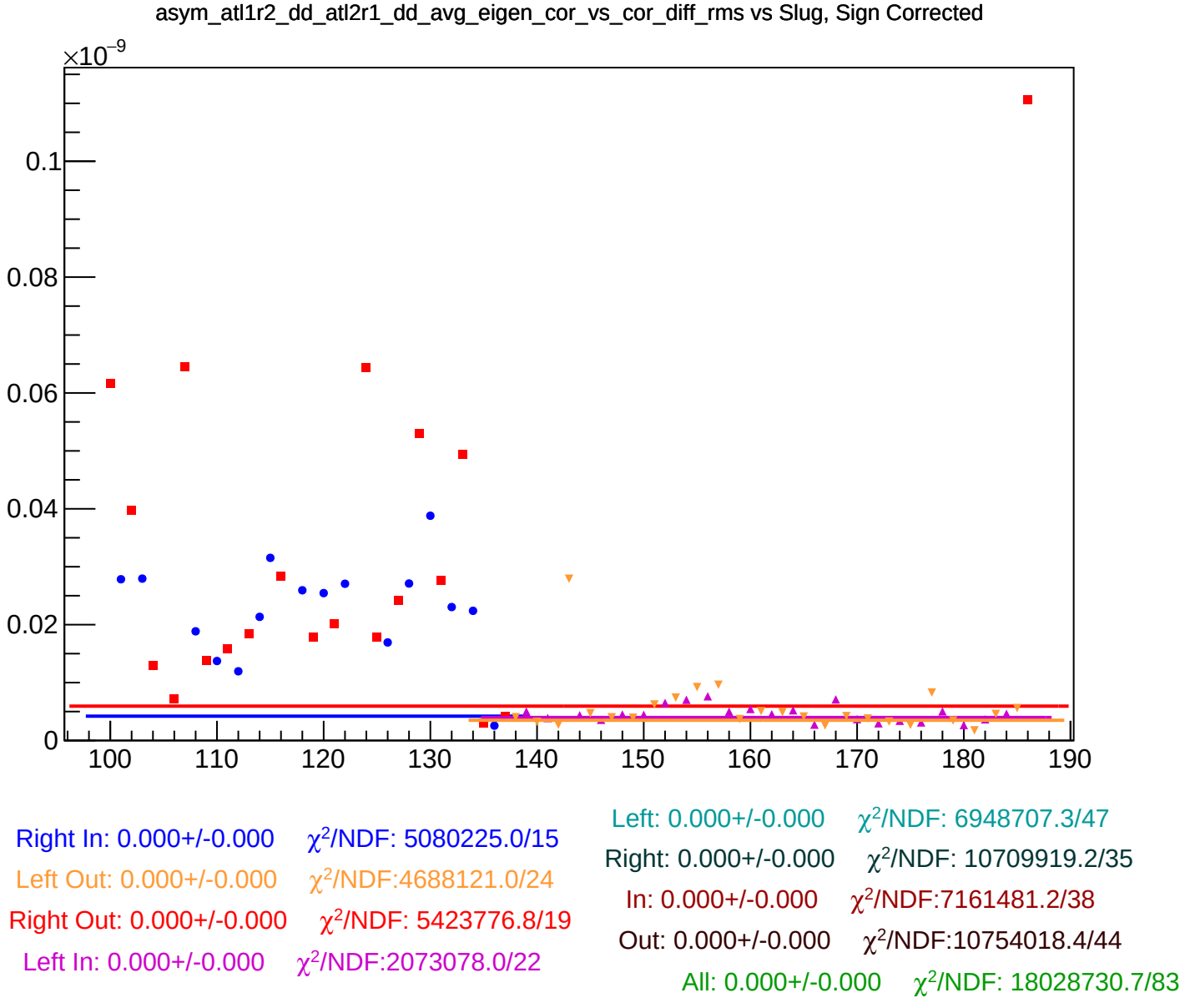
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

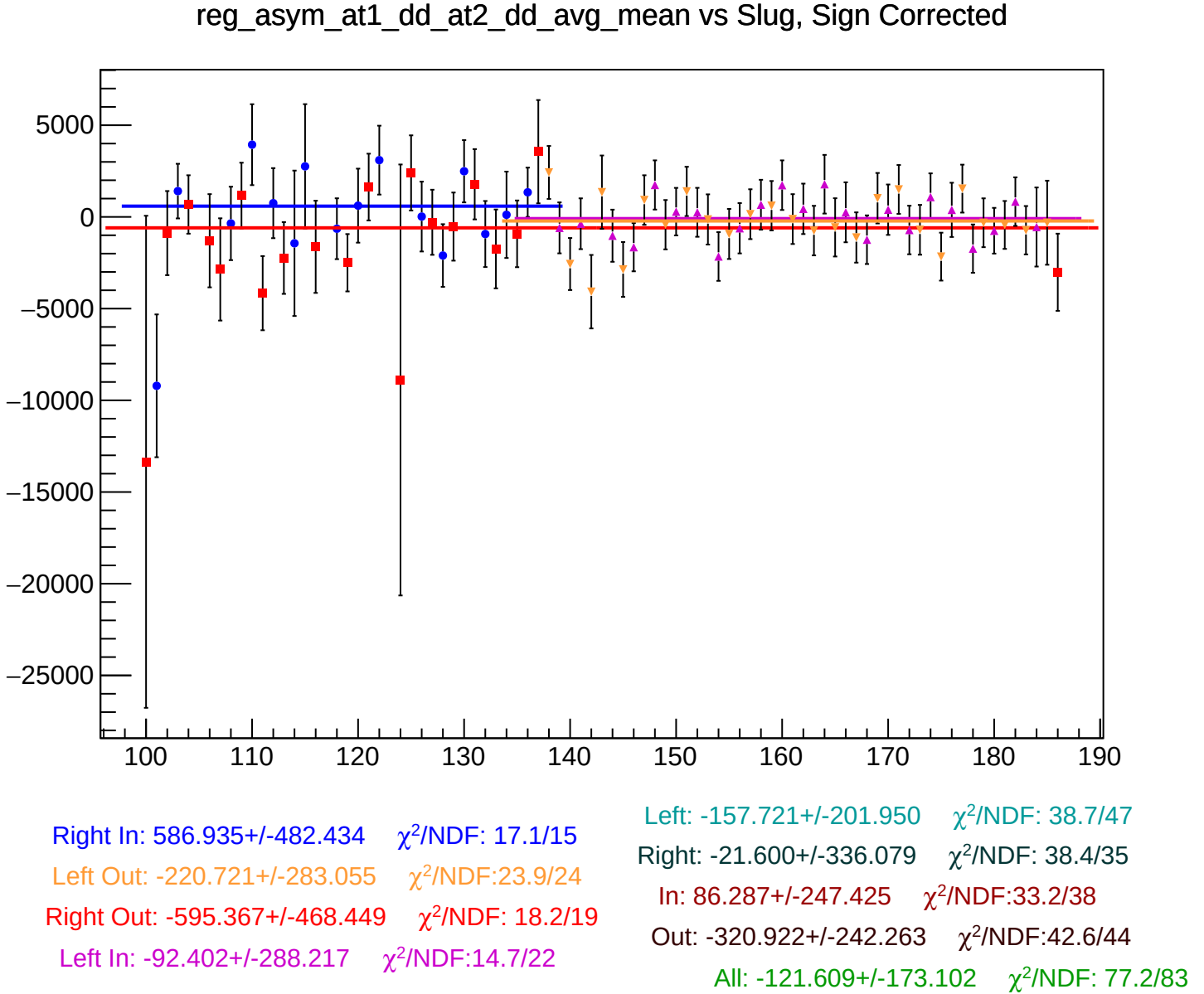
Right: -0.000+/-0.000 χ^2/NDF: 53.4/35

In: 0.000+/-0.000 χ^2/NDF:37.8/38

Out: 0.000+/-0.000 χ^2/NDF:67.7/44

All: 0.000+/-0.000 χ^2/NDF: 105.5/83


asym_atl1r2_dd_atl2r1_dd_avg_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: 5080225.0/15
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: 10709919.2/35
In: 0.000+/-0.000 χ²/NDF:7161481.2/38
Out: 0.000+/-0.000 χ²/NDF:10754018.4/44
All: 0.000+/-0.000 χ²/NDF: 18028730.7/83


reg_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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−15000
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−25000
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150
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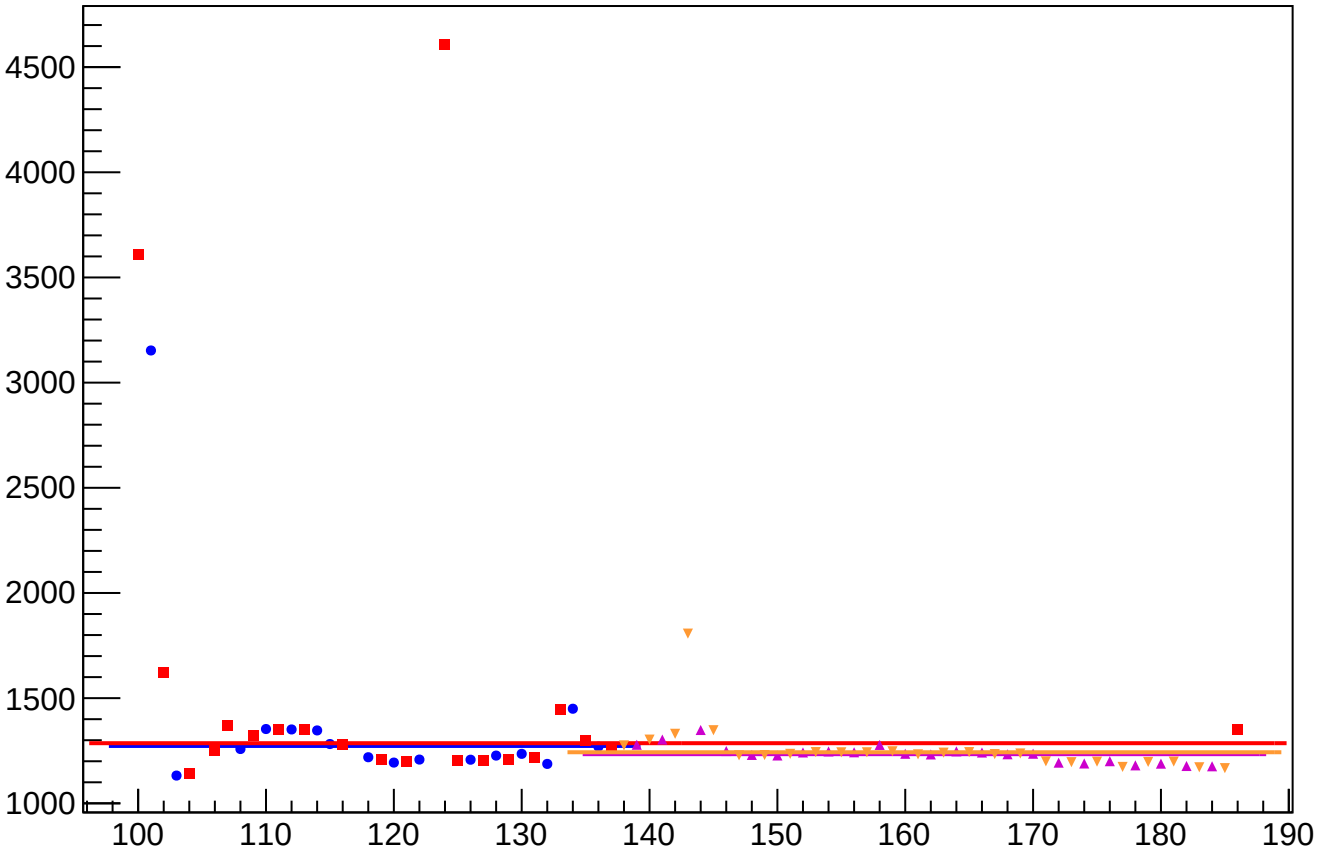
170
180
190
Right In: 586.935+/-482.434 χ²/NDF: 17.1/15
Left Out: -220.721+/-283.055 χ²/NDF:23.9/24
Right Out: -595.367+/-468.449 χ²/NDF: 18.2/19
Left In: -92.402+/-288.217 χ²/NDF:14.7/22
Left: -157.721+/-201.950 χ²/NDF: 38.7/47
Right: -21.600+/-336.079 χ²/NDF: 38.4/35
In: 86.287+/-247.425 χ²/NDF:33.2/38
Out: -320.922+/-242.263 χ²/NDF:42.6/44
All: -121.609+/-173.102 χ²/NDF: 77.2/83



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

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

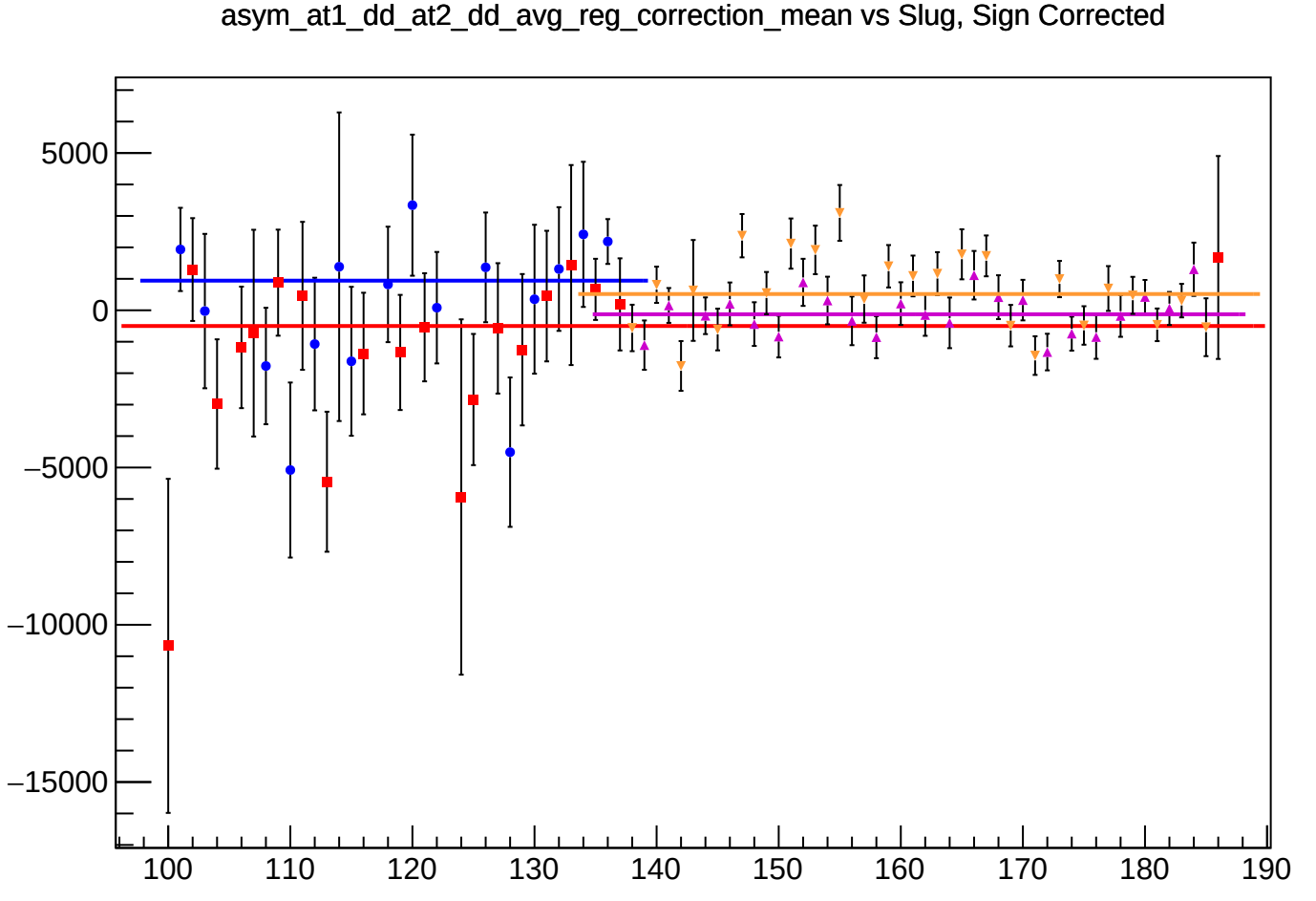
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1279.534+/-0.238 χ^2/NDF: 844288.9/35

In: 1244.024+/-0.175 χ^2/NDF:568238.0/38

Out: 1254.340+/-0.171 χ^2/NDF:539909.3/44

All: 1249.291+/-0.122 χ^2/NDF: 1109922.1/83



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

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

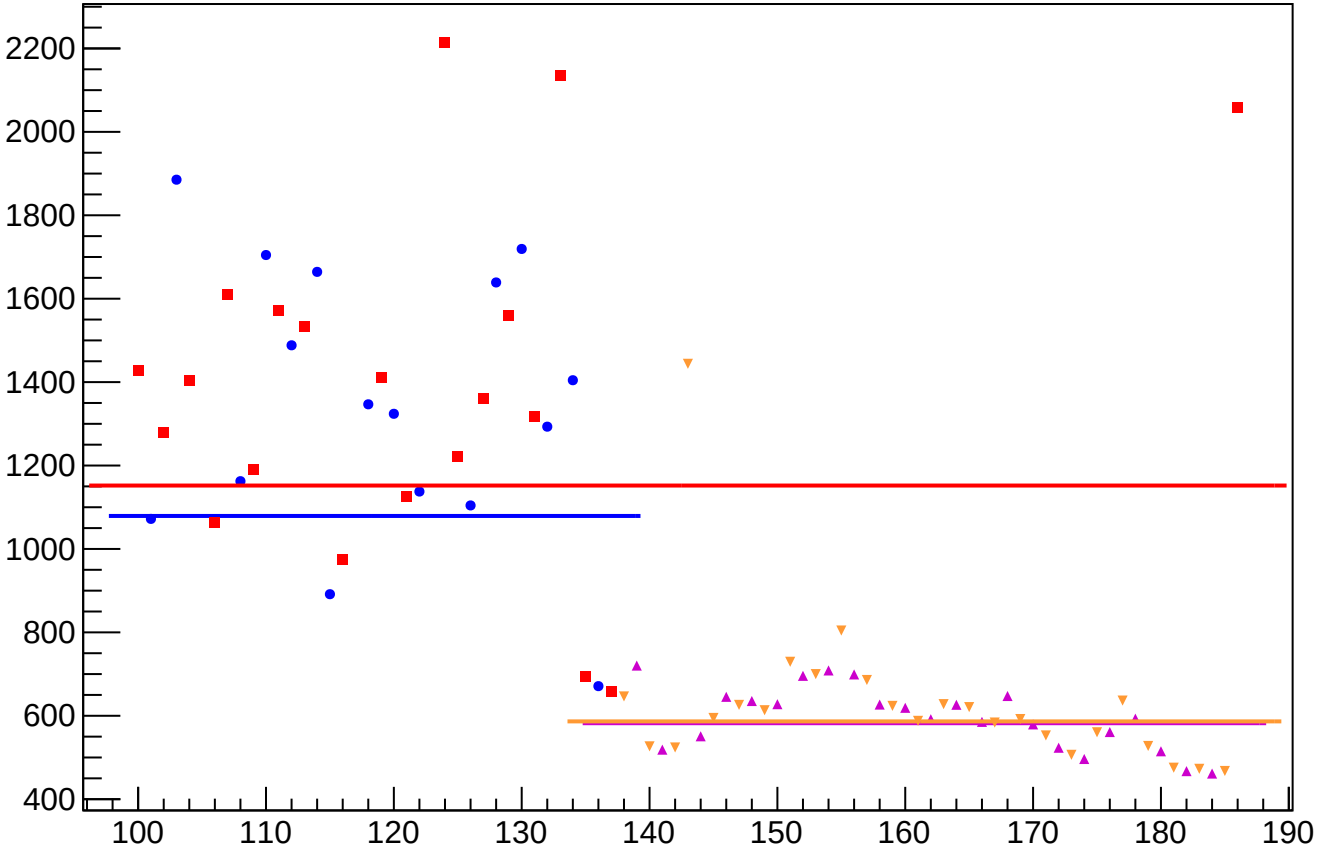
Right: 237.610+/-304.598 χ^2/NDF: 43.1/35

In: -26.012+/-130.646 χ^2/NDF:47.2/38

Out: 426.880+/-129.606 χ^2/NDF:89.6/44

All: 202.245+/-92.011 χ^2/NDF: 142.8/83

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 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

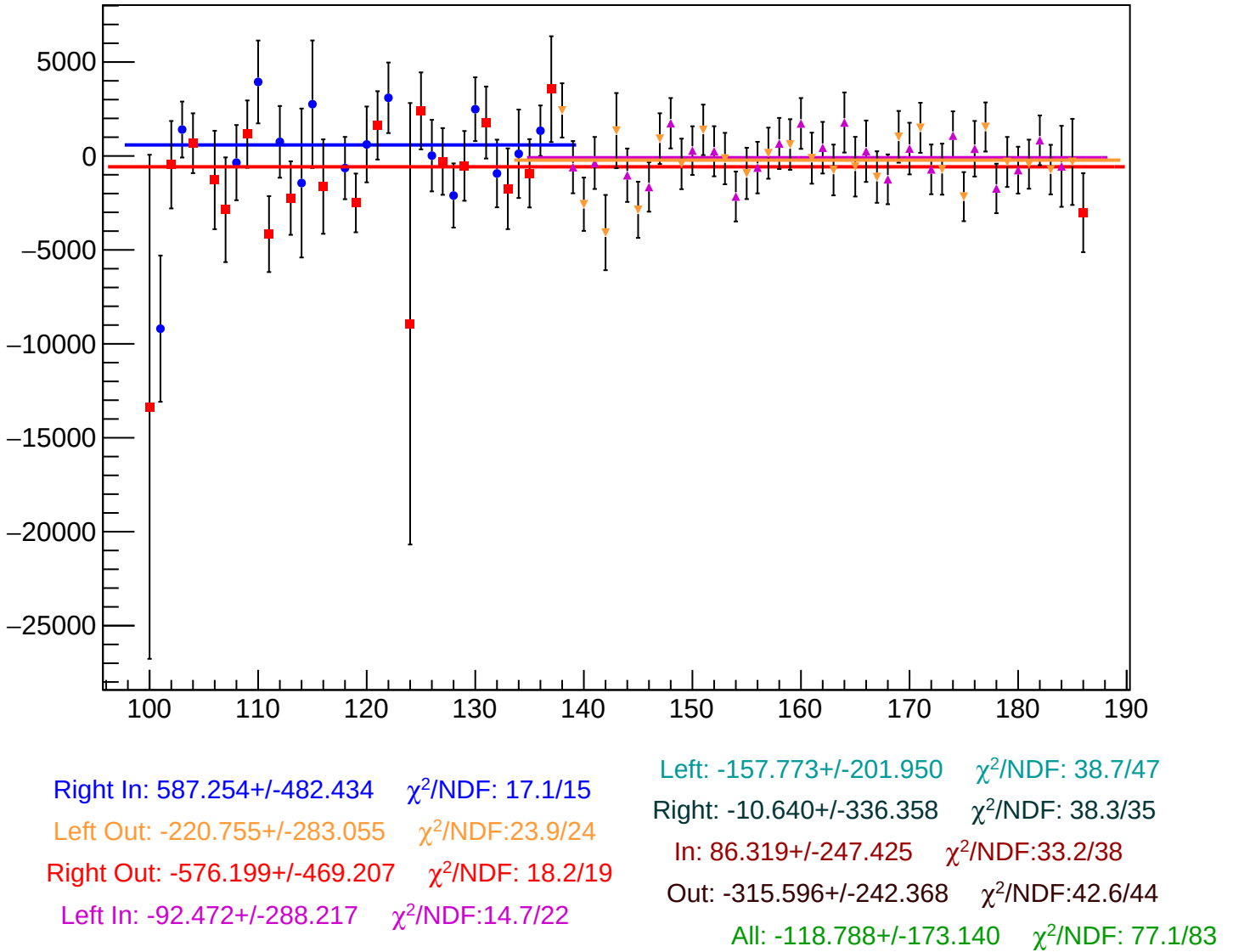
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1114.723+/-0.215 χ^2/NDF: 2964942.9/35

In: 628.964+/-0.092 χ^2/NDF:4508672.9/38

Out: 636.554+/-0.092 χ^2/NDF:5725472.8/44

All: 632.789+/-0.065 χ^2/NDF: 10237547.5/83


cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
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−25000
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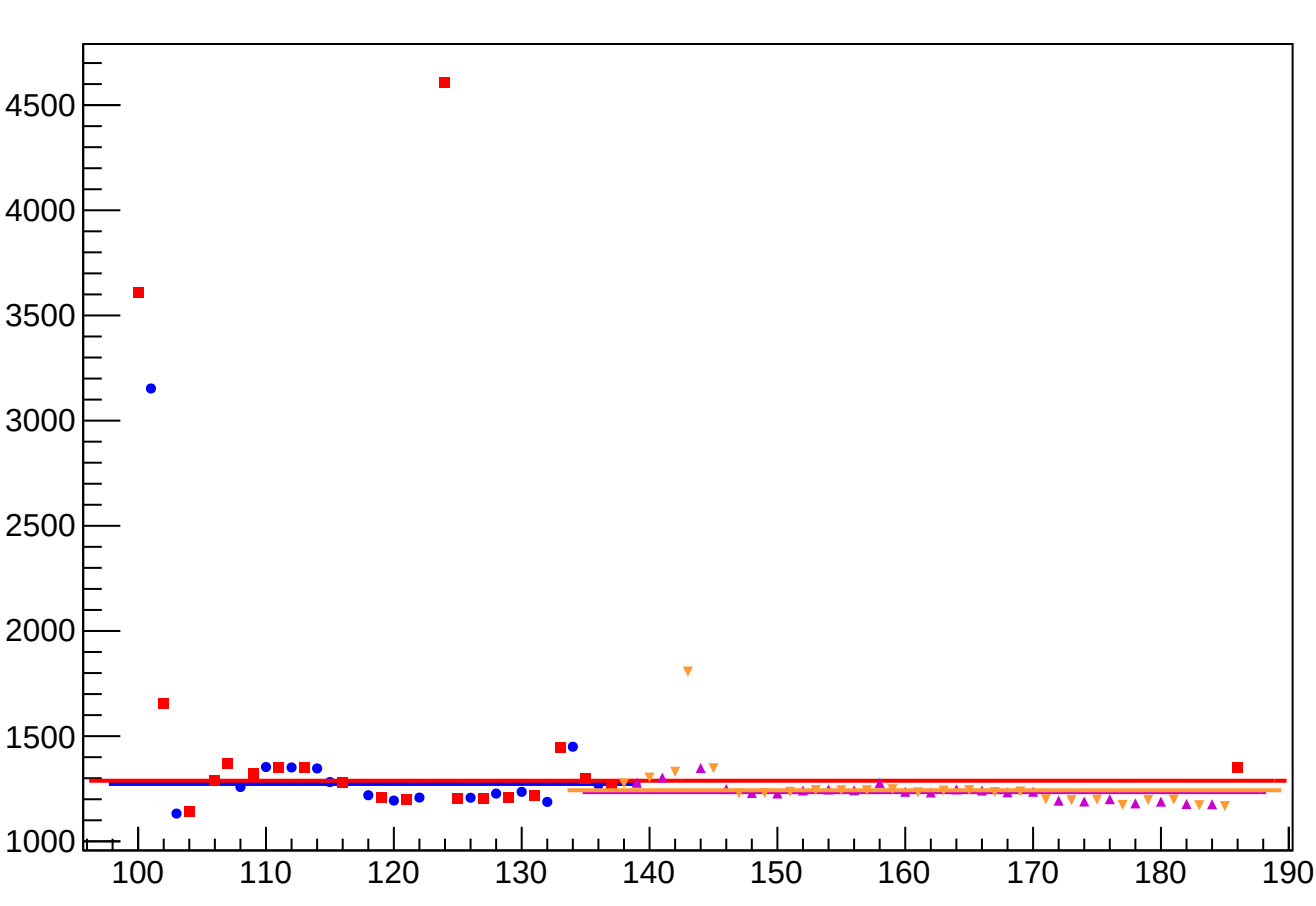
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -220.755+/-283.055 χ²/NDF:23.9/24
Right Out: -576.199+/-469.207 χ²/NDF: 18.2/19
Left In: -92.472+/-288.217 χ²/NDF:14.7/22
Left: -157.773+/-201.950 χ²/NDF: 38.7/47
Right: -10.640+/-336.358 χ²/NDF: 38.3/35
In: 86.319+/-247.425 χ²/NDF:33.2/38
Out: -315.596+/-242.368 χ²/NDF:42.6/44
All: -118.788+/-173.140 χ²/NDF: 77.1/83



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

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

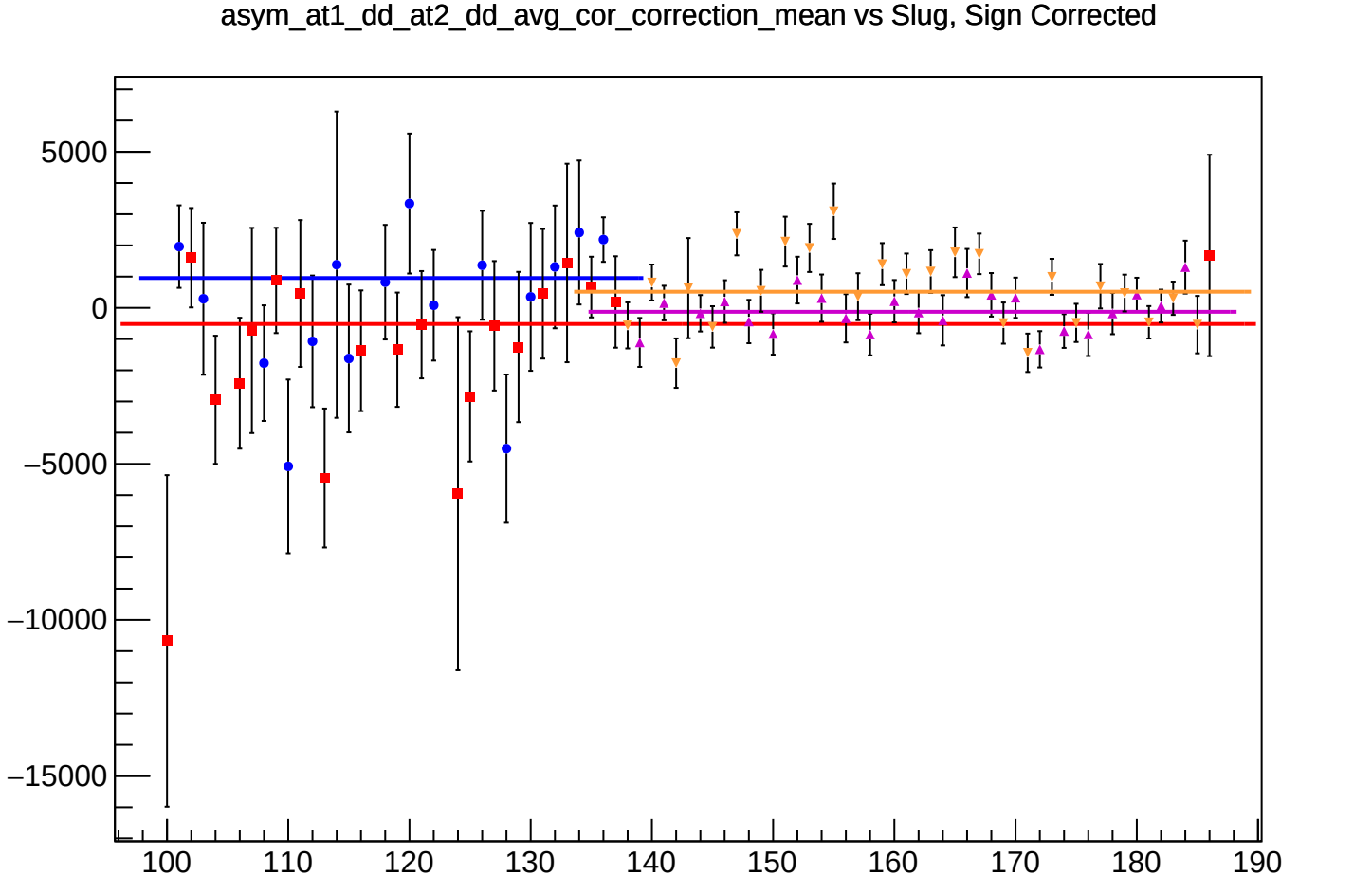
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.647+/-0.238 χ^2/NDF: 851081.7/35

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

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

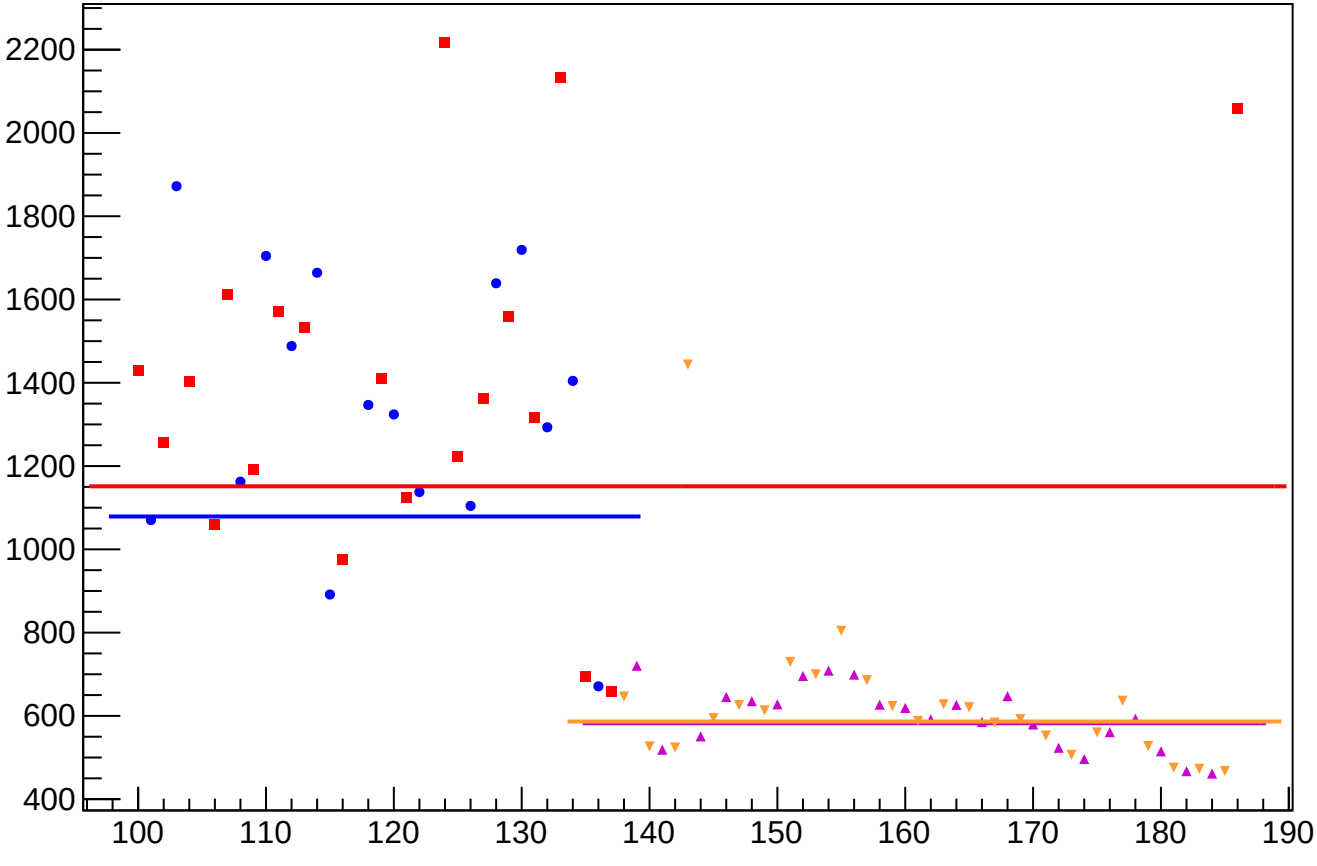
Right: 237.426+/-304.816 χ^2/NDF: 44.5/35

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 202.238+/-92.017 χ^2/NDF: 144.2/83

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 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

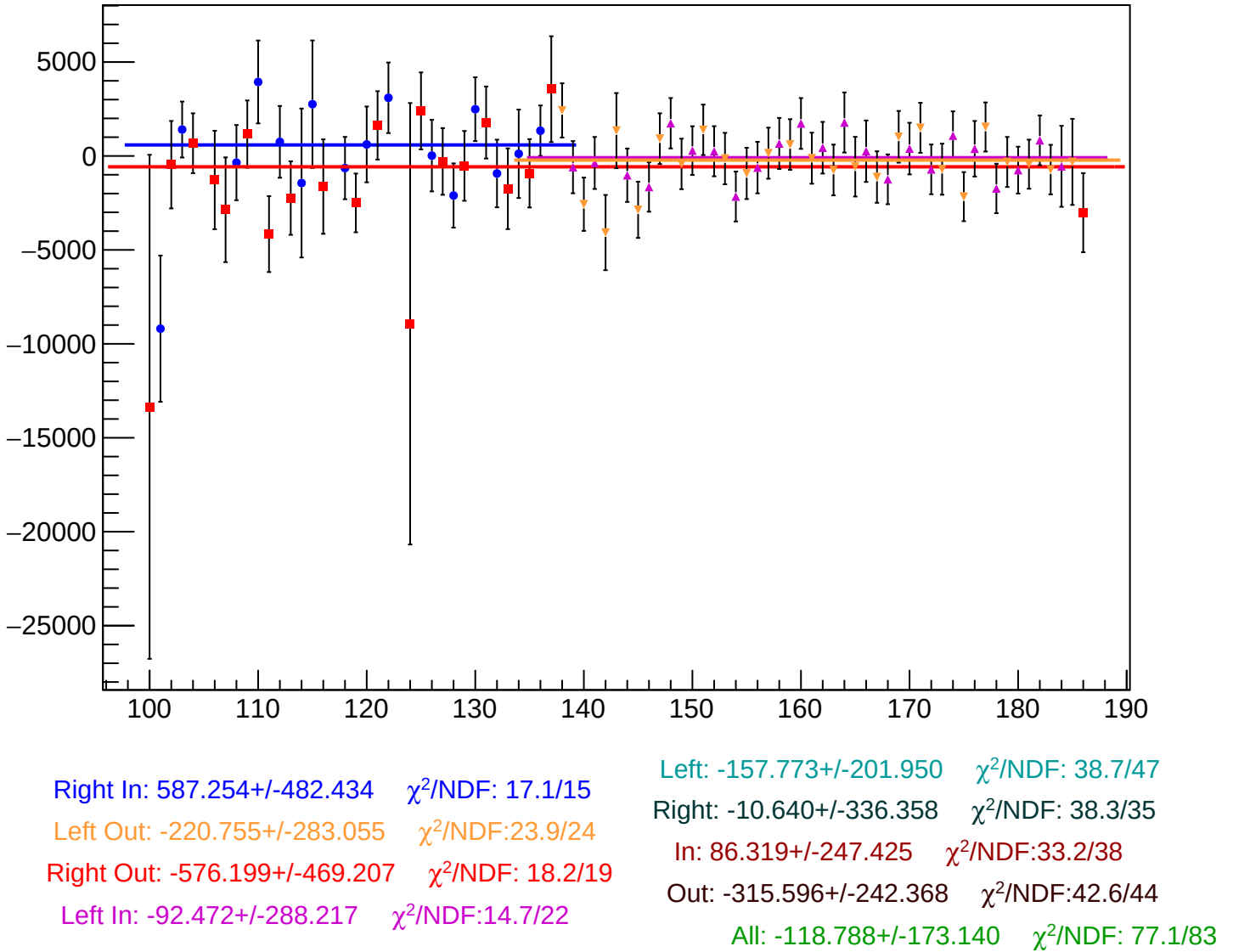
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1114.223+/-0.216 χ^2/NDF: 2957080.4/35

In: 628.980+/-0.092 χ^2/NDF:4505163.2/38

Out: 636.328+/-0.092 χ^2/NDF:5703679.7/44

All: 632.682+/-0.065 χ^2/NDF: 10212031.2/83


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
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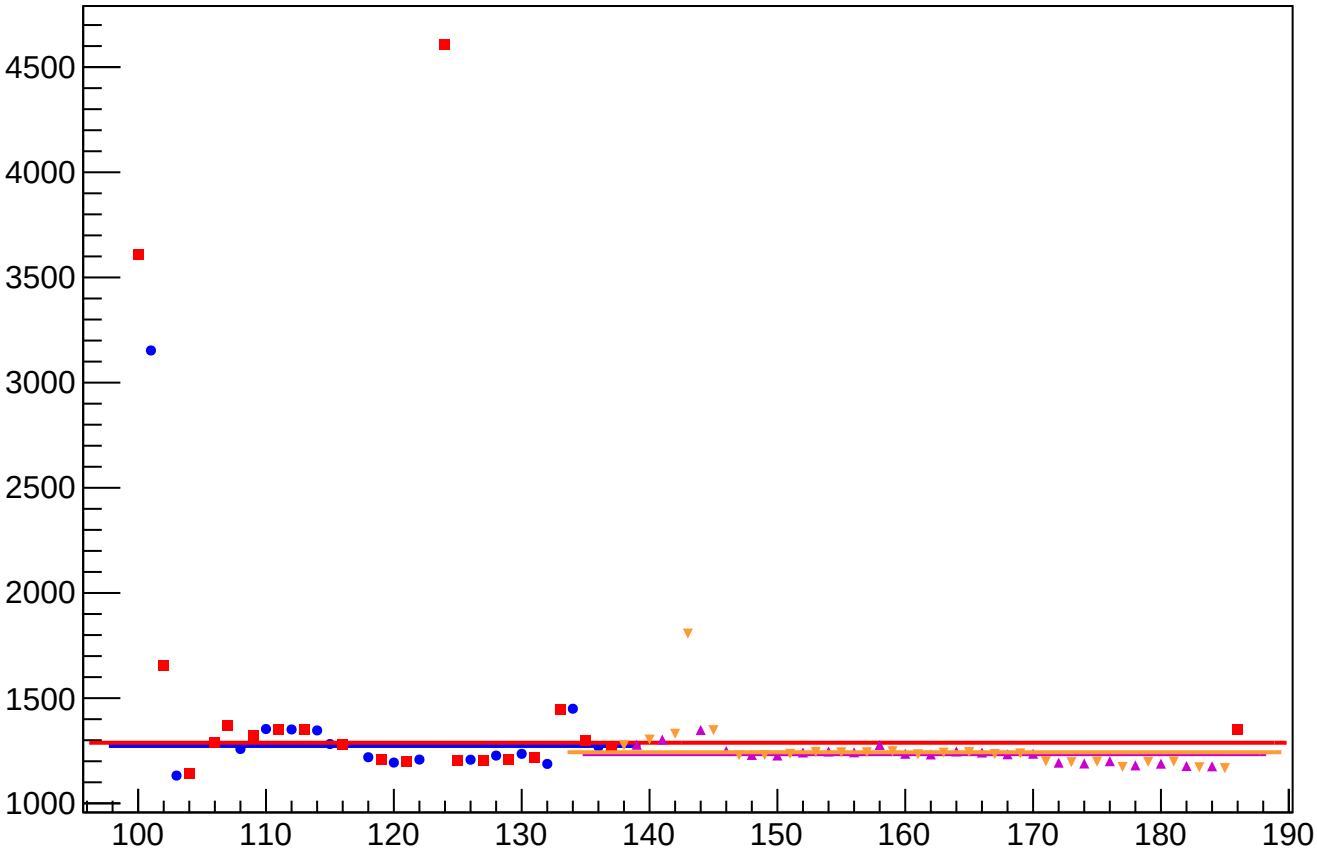
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -220.755+/-283.055 χ²/NDF:23.9/24
Right Out: -576.199+/-469.207 χ²/NDF: 18.2/19
Left In: -92.472+/-288.217 χ²/NDF:14.7/22
Left: -157.773+/-201.950 χ²/NDF: 38.7/47
Right: -10.640+/-336.358 χ²/NDF: 38.3/35
In: 86.319+/-247.425 χ²/NDF:33.2/38
Out: -315.596+/-242.368 χ²/NDF:42.6/44
All: -118.788+/-173.140 χ²/NDF: 77.1/83



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

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

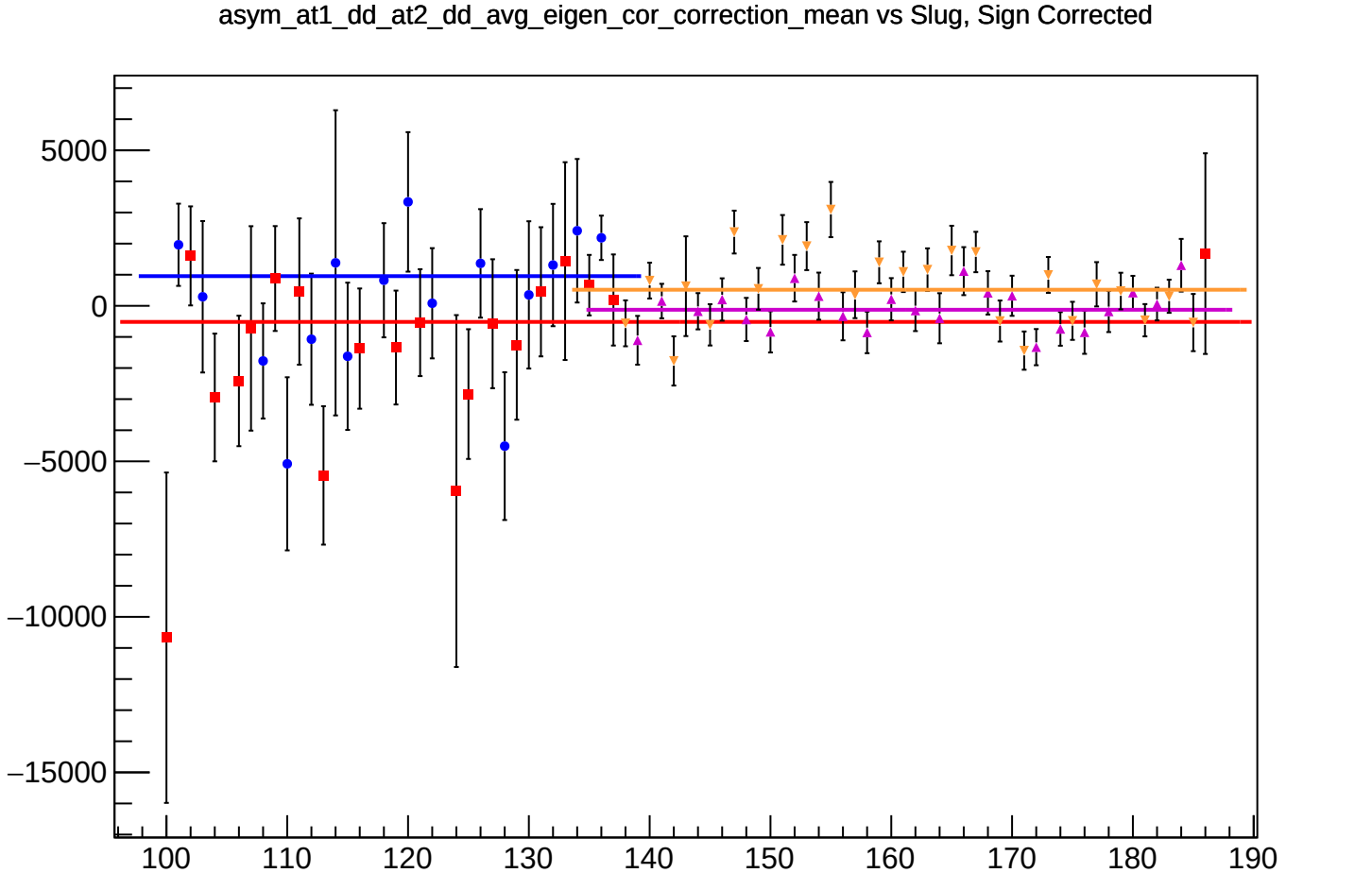
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1280.647+/-0.238 χ^2/NDF: 851081.7/35

In: 1244.024+/-0.175 χ^2/NDF:568239.3/38

Out: 1254.896+/-0.171 χ^2/NDF:547684.9/44

All: 1249.572+/-0.122 χ^2/NDF: 1117894.8/83



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

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

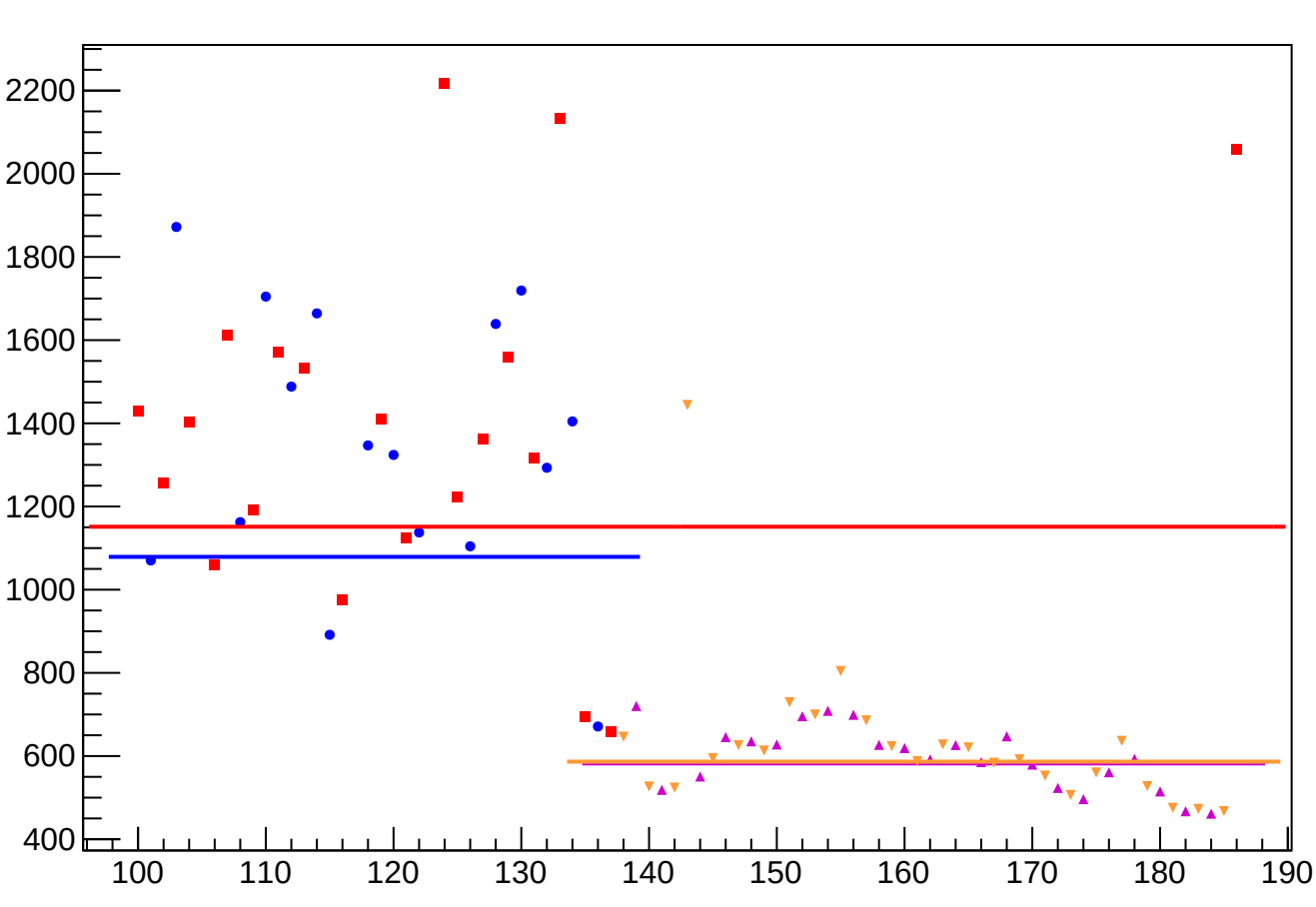
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 237.426+/-304.816 χ^2/NDF: 44.5/35

In: -24.752+/-130.641 χ^2/NDF:47.3/38

Out: 425.724+/-129.629 χ^2/NDF:91.0/44

All: 202.238+/-92.017 χ^2/NDF: 144.2/83


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
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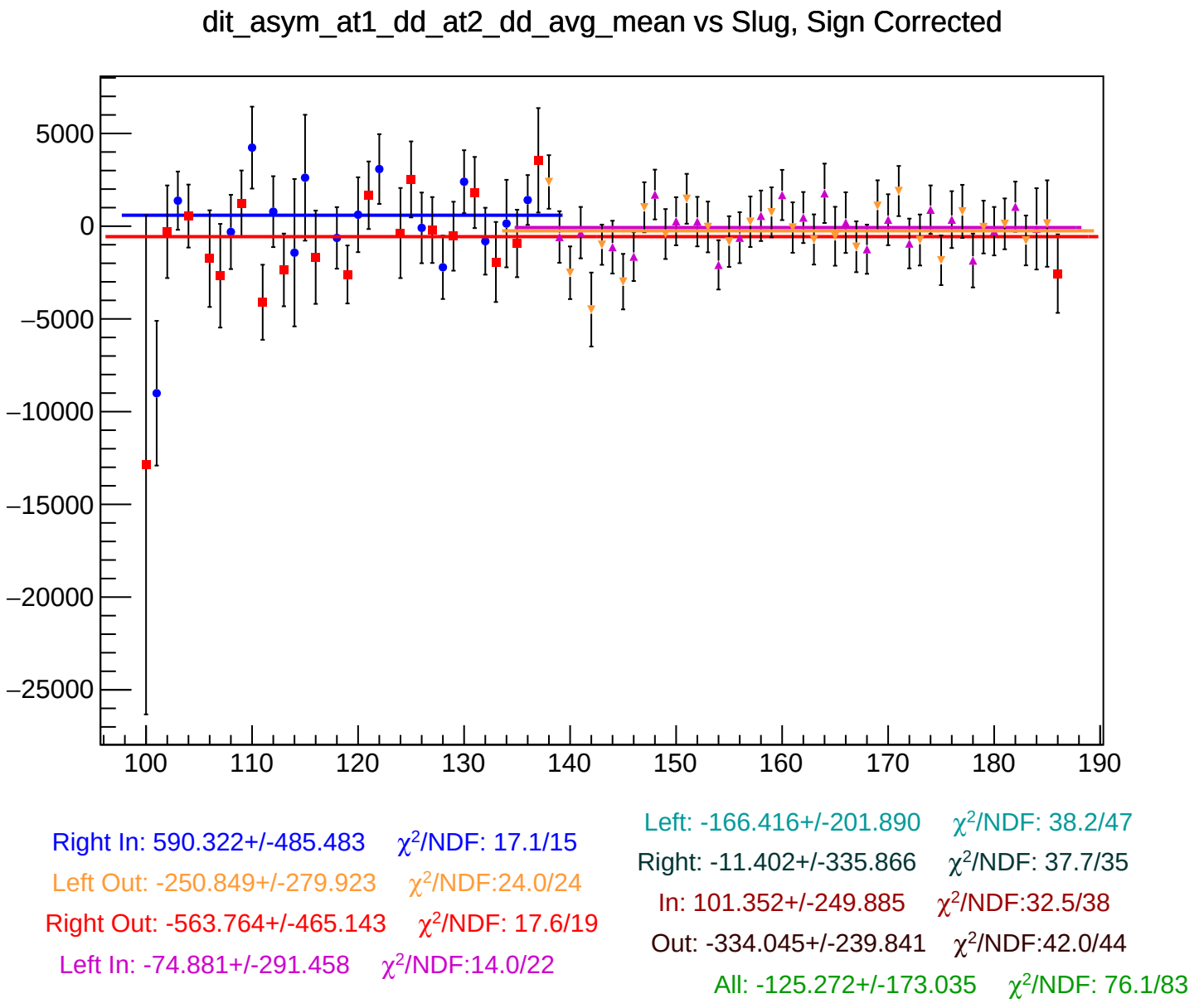
Right In: 1078.932+/-0.301 χ²/NDF: 1478719.9/15
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1151.368+/-0.309 χ²/NDF: 1450142.8/19
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
Left: 584.400+/-0.068 χ²/NDF: 1763106.4/47
Right: 1114.223+/-0.216 χ²/NDF: 2957080.4/35
In: 628.980+/-0.092 χ²/NDF:4505163.2/38
Out: 636.328+/-0.092 χ²/NDF:5703679.7/44
All: 632.682+/-0.065 χ²/NDF: 10212031.2/83


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
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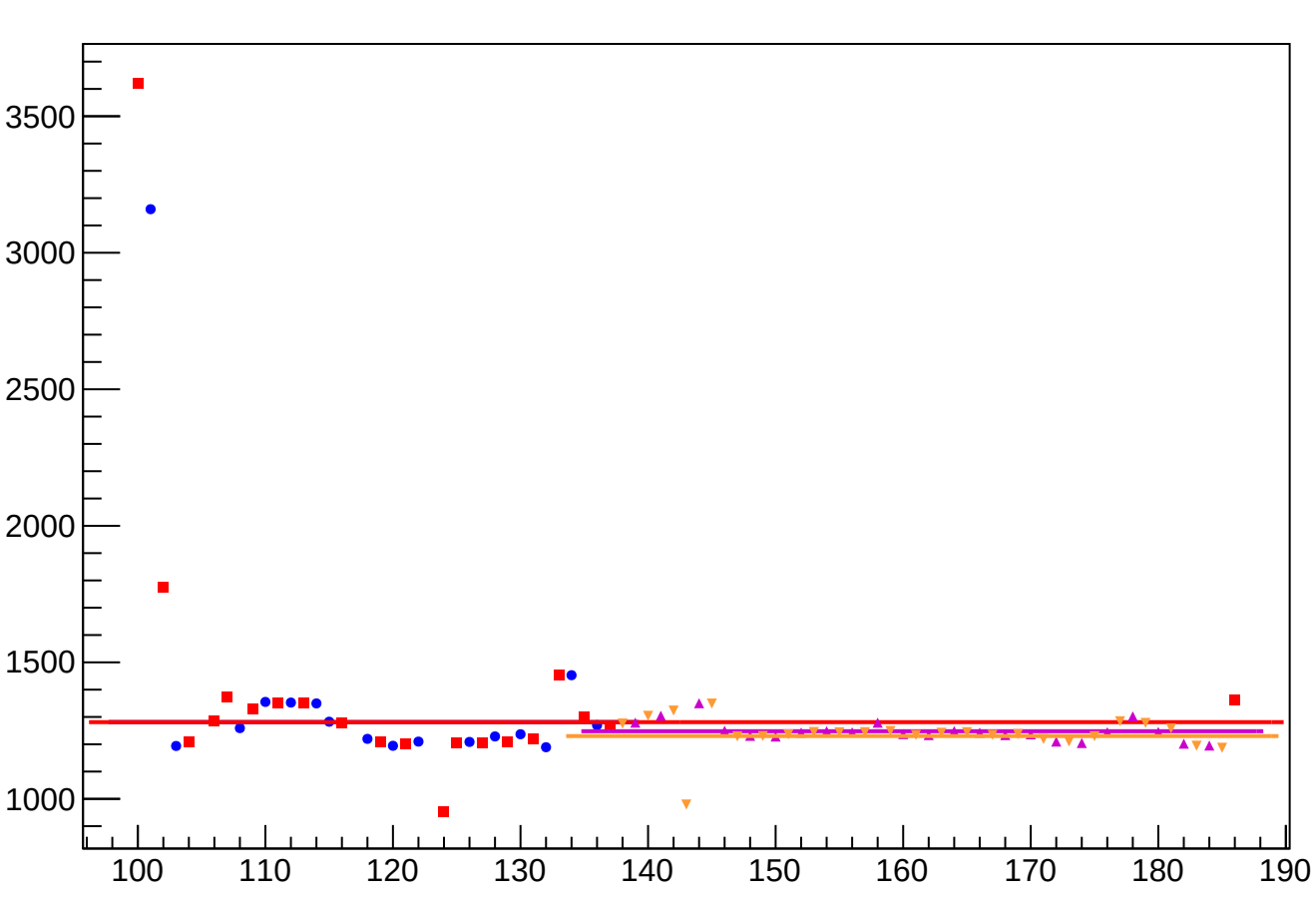
170
180
190
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -563.764+/-465.143 χ²/NDF: 17.6/19
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: -11.402+/-335.866 χ²/NDF: 37.7/35
In: 101.352+/-249.885 χ²/NDF:32.5/38
Out: -334.045+/-239.841 χ²/NDF:42.0/44
All: -125.272+/-173.035 χ²/NDF: 76.1/83



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

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

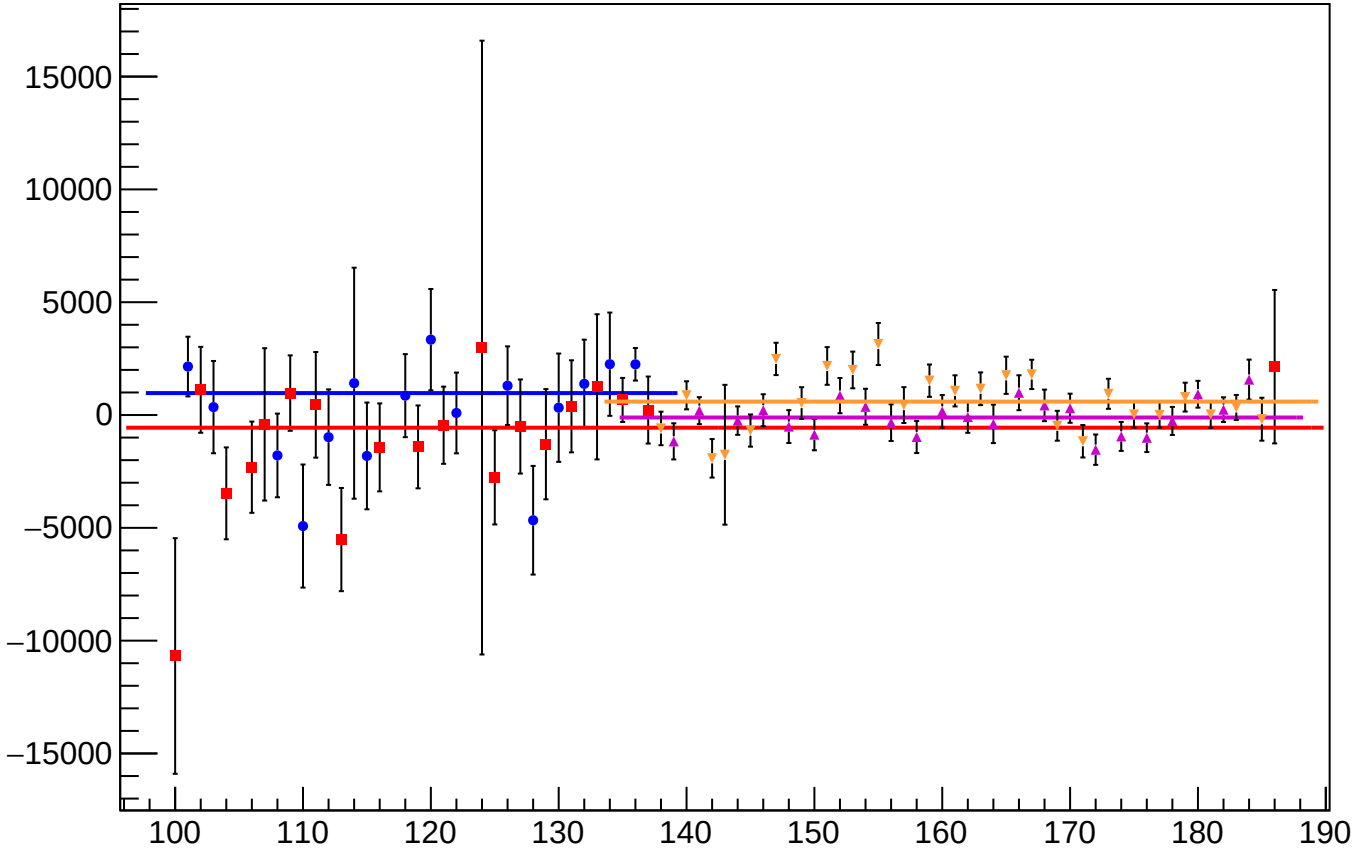
Right: 1281.157+/-0.237 χ^2/NDF: 730658.5/35

In: 1256.683+/-0.177 χ^2/NDF:541454.2/38

Out: 1243.539+/-0.170 χ^2/NDF:382821.1/44

All: 1249.841+/-0.122 χ^2/NDF: 927155.2/83

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

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

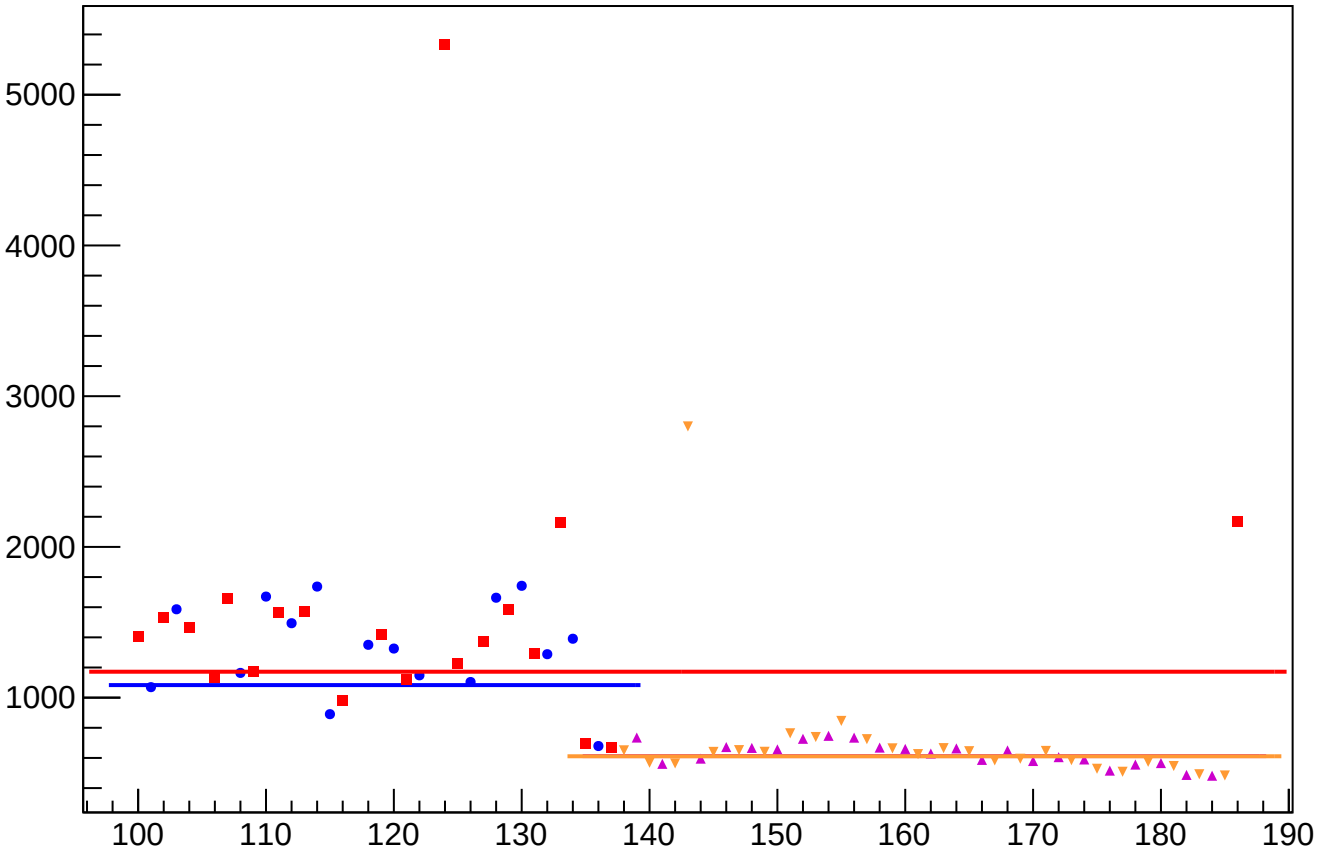
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.329+/-307.068 χ^2/NDF: 44.4/35

In: 1.447+/-136.589 χ^2/NDF:52.0/38

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.646+/-96.146 χ^2/NDF: 139.6/83



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

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

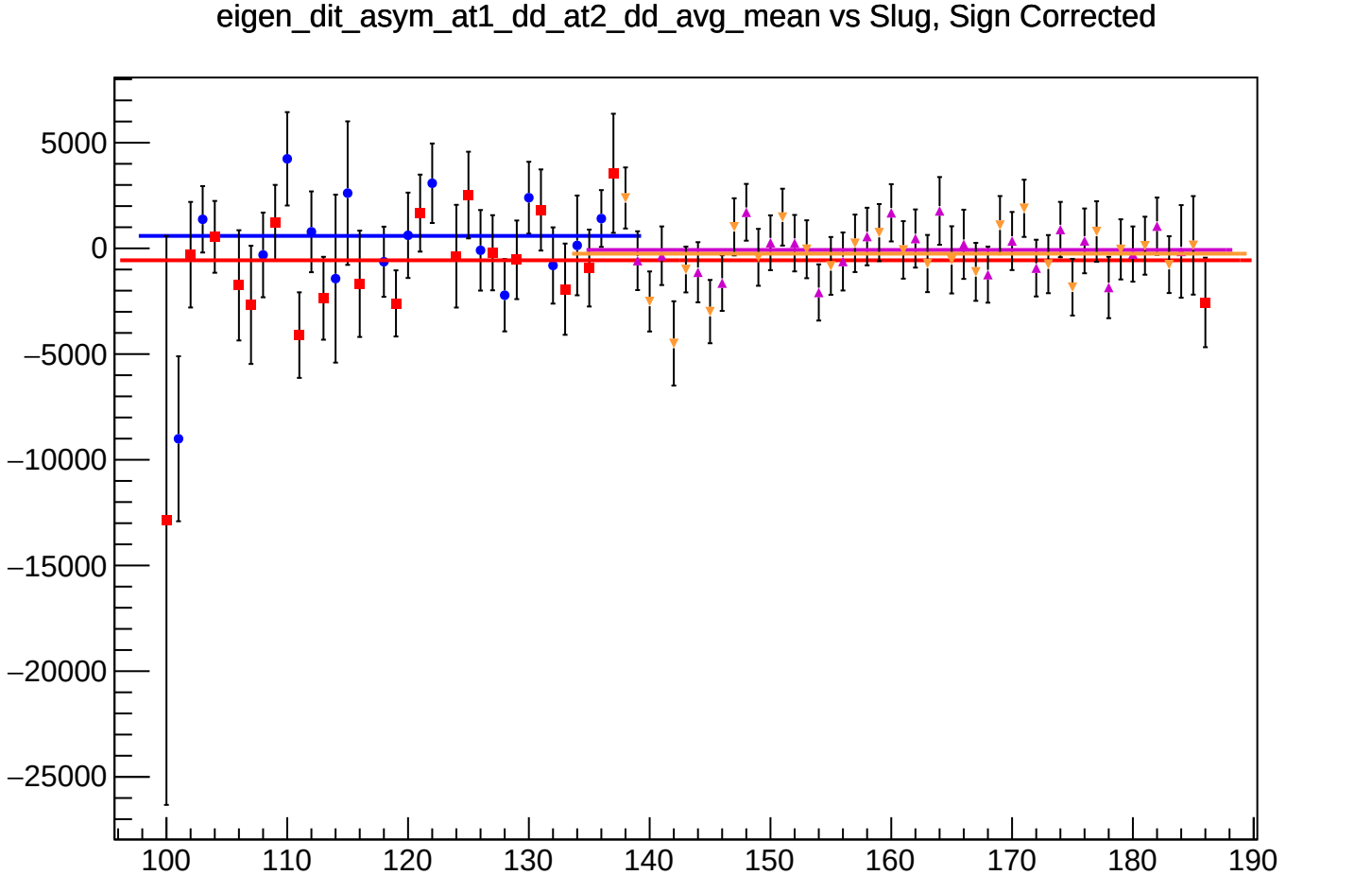
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1125.777+/-0.217 χ^2/NDF: 3065488.0/35

In: 660.991+/-0.097 χ^2/NDF:4068799.9/38

Out: 663.246+/-0.096 χ^2/NDF:6179760.3/44

All: 662.129+/-0.068 χ^2/NDF: 10248835.2/83



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -563.761+/-465.143 χ^2/NDF: 17.6/19

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

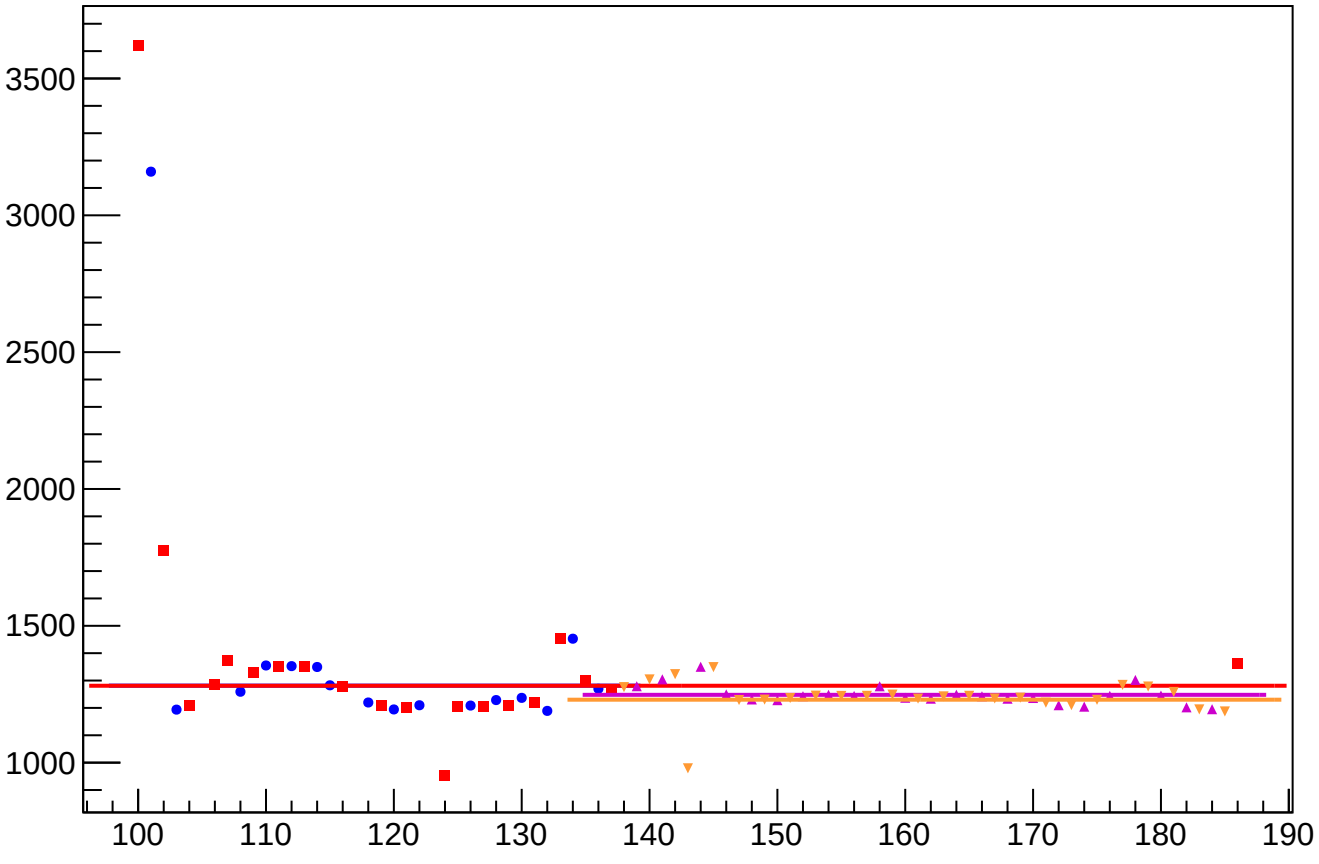
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -11.400+/-335.866 χ^2/NDF: 37.7/35

In: 101.352+/-249.885 χ^2/NDF:32.5/38

Out: -334.045+/-239.841 χ^2/NDF:42.0/44

All: -125.272+/-173.035 χ^2/NDF: 76.1/83



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

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

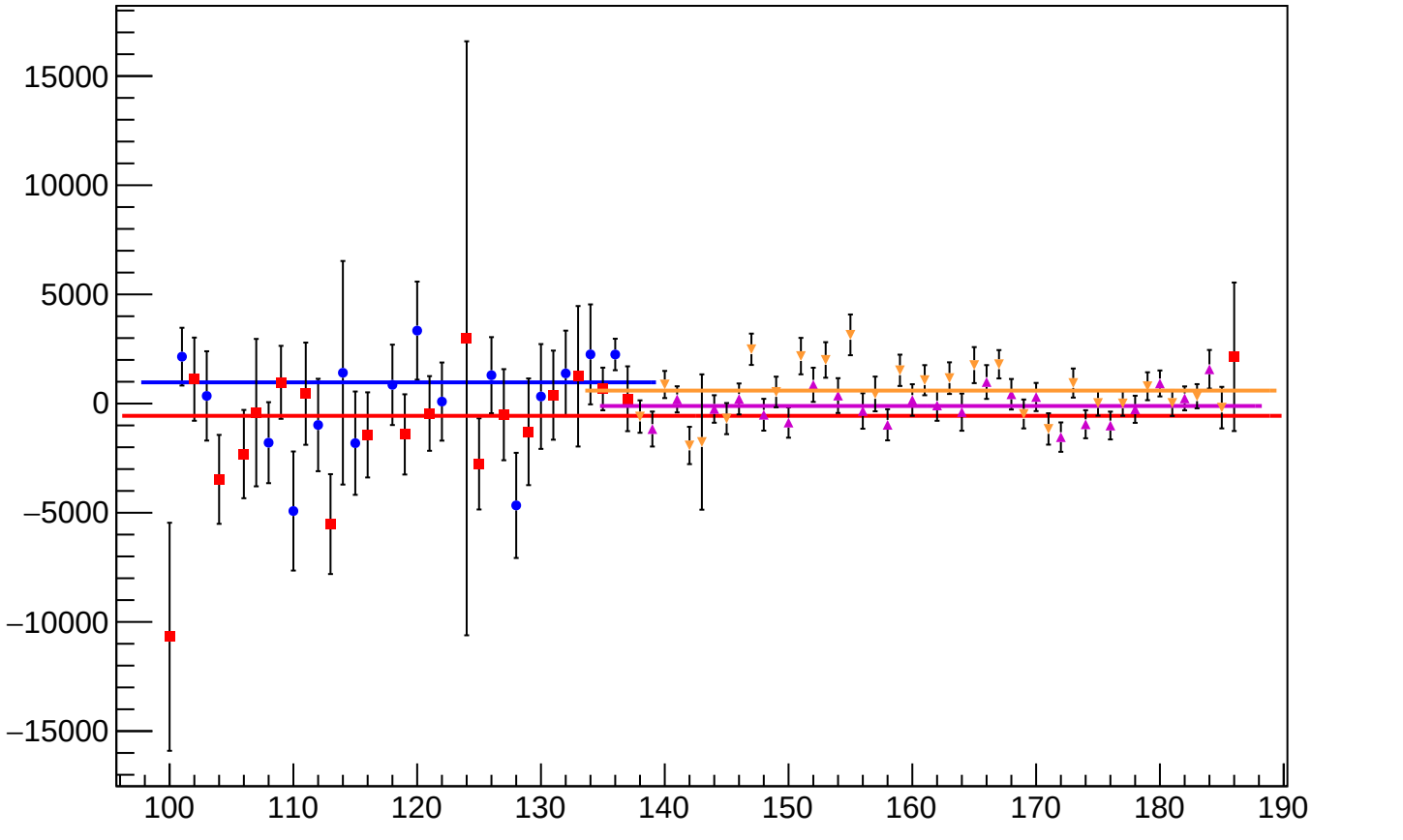
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1281.156+/-0.237 χ^2/NDF: 730658.6/35

In: 1256.682+/-0.177 χ^2/NDF:541454.3/38

Out: 1243.539+/-0.170 χ^2/NDF:382820.0/44

All: 1249.841+/-0.122 χ^2/NDF: 927154.2/83



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

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

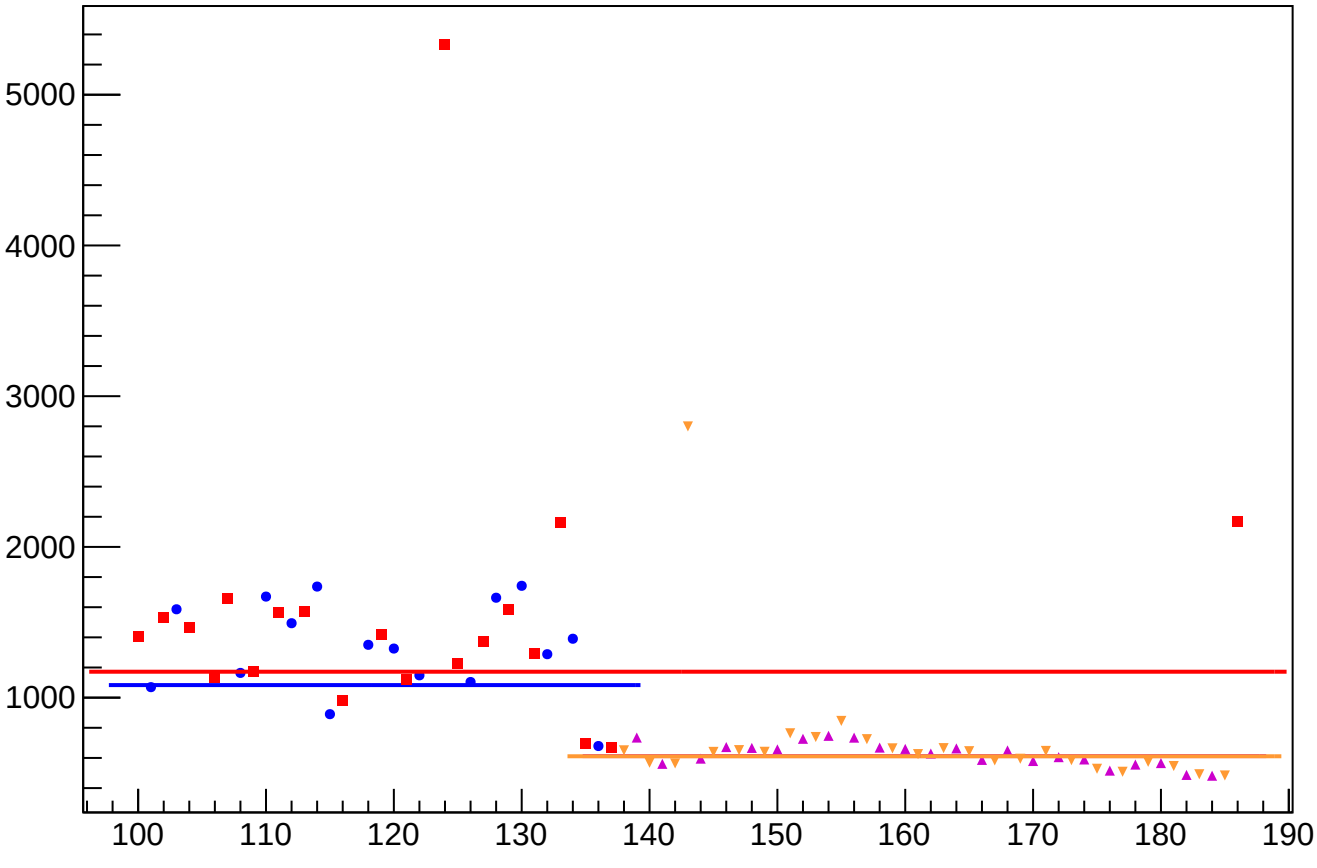
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.322+/-307.069 χ^2/NDF: 44.4/35

In: 1.446+/-136.589 χ^2/NDF:52.0/38

Out: 487.458+/-135.361 χ^2/NDF:81.3/44

All: 246.646+/-96.146 χ^2/NDF: 139.6/83



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

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

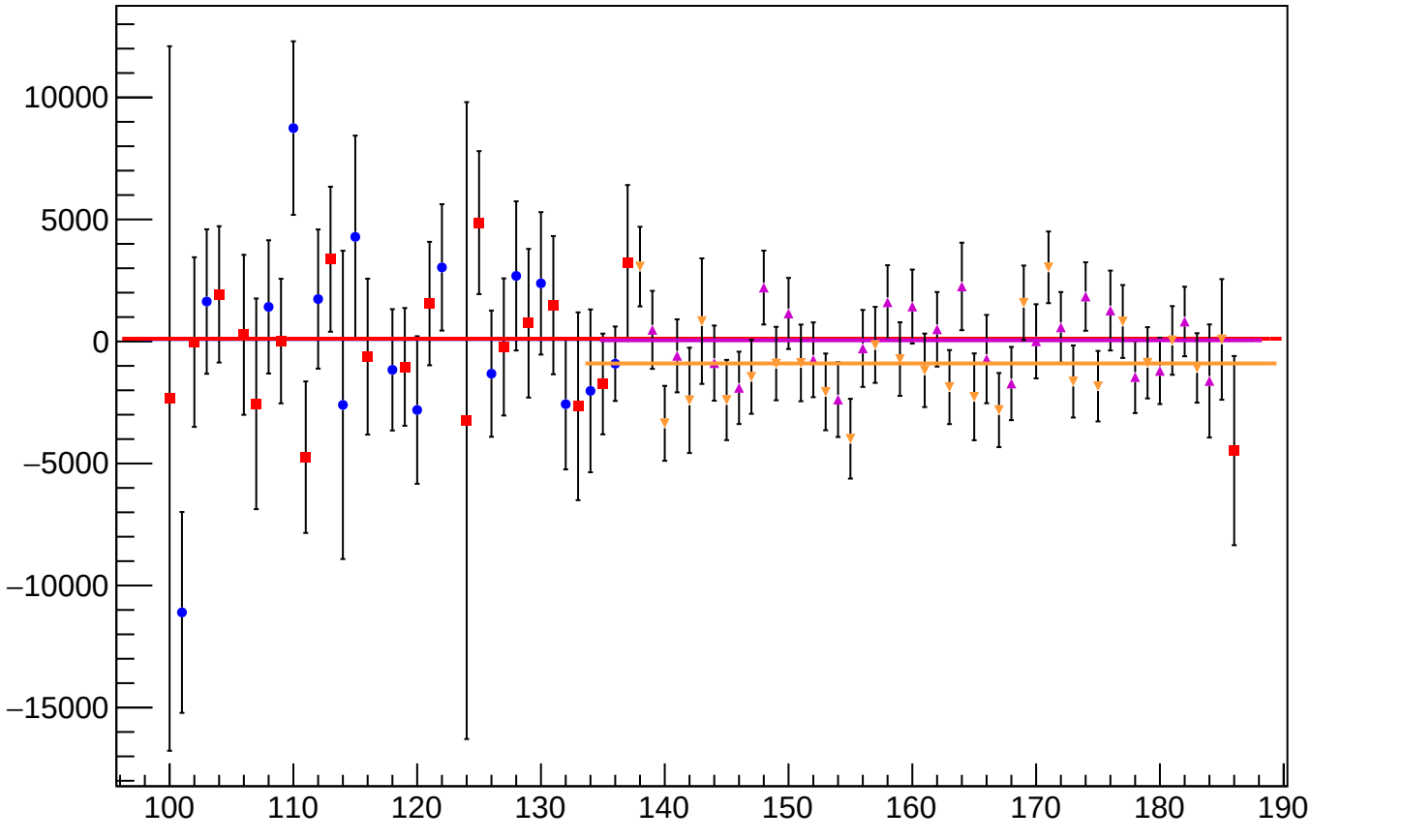
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1125.784+/-0.217 χ^2/NDF: 3065375.4/35

In: 660.991+/-0.097 χ^2/NDF:4068796.6/38

Out: 663.246+/-0.096 χ^2/NDF:6179758.1/44

All: 662.129+/-0.068 χ^2/NDF: 10248829.9/83



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

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

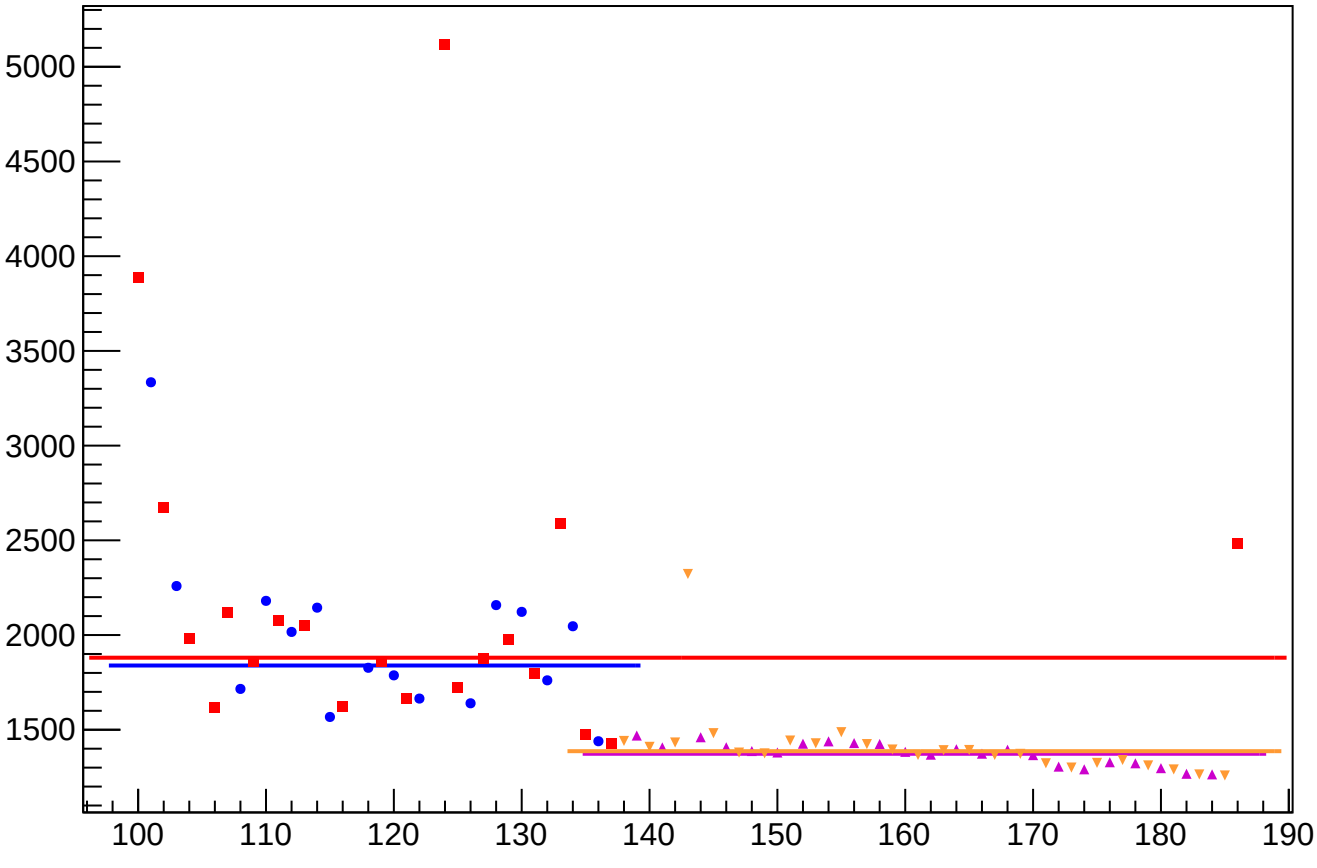
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 106.975+/-490.541 χ^2/NDF: 33.1/35

In: 57.279+/-291.656 χ^2/NDF:39.2/38

Out: -723.224+/-287.539 χ^2/NDF:43.4/44

All: -338.521+/-204.761 χ^2/NDF: 86.2/83



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

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

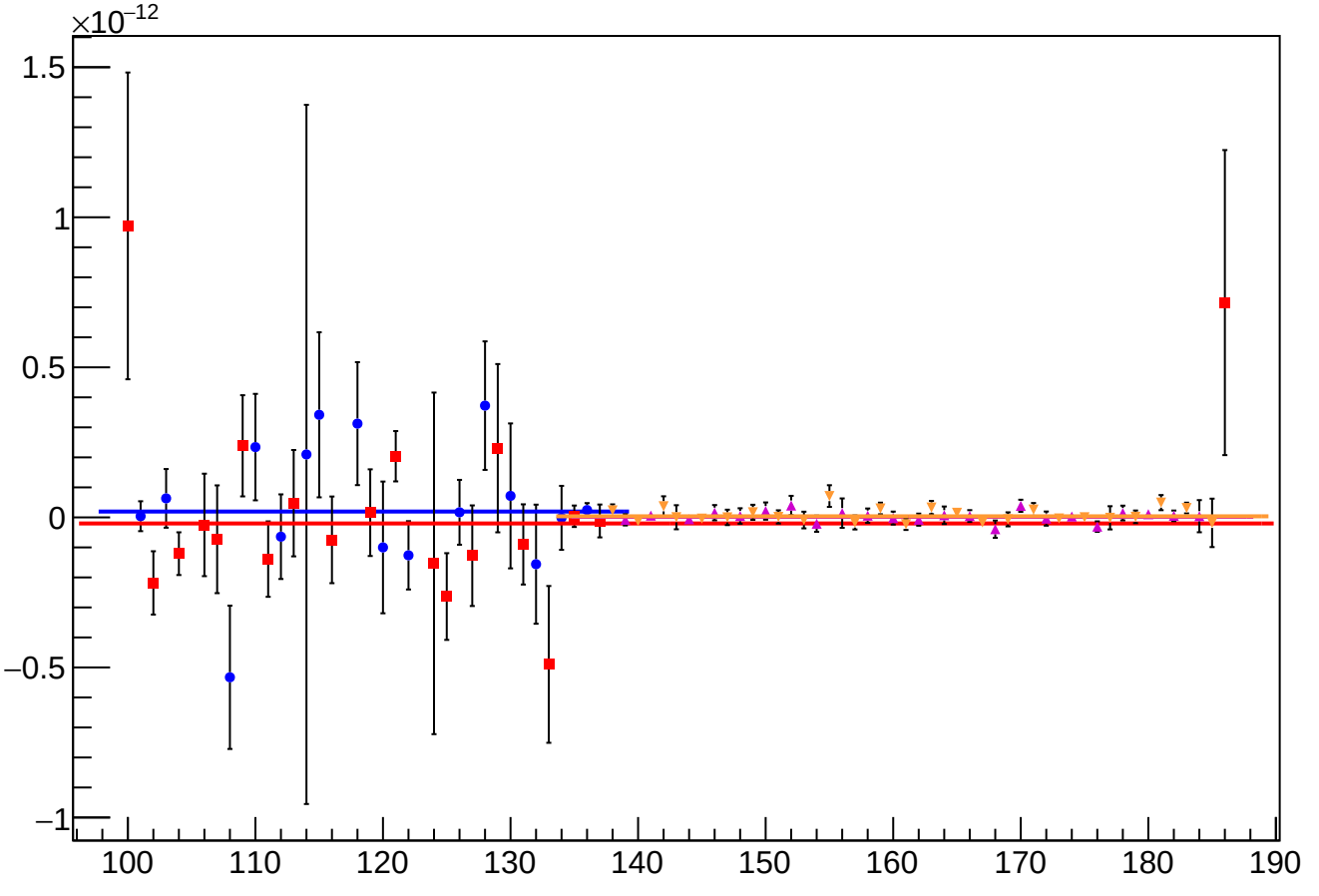
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1860.045+/-0.347 χ^2/NDF: 1132118.9/35

In: 1454.331+/-0.206 χ^2/NDF:1355034.6/38

Out: 1472.899+/-0.203 χ^2/NDF:1759851.4/44

All: 1463.747+/-0.145 χ^2/NDF: 3118996.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

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

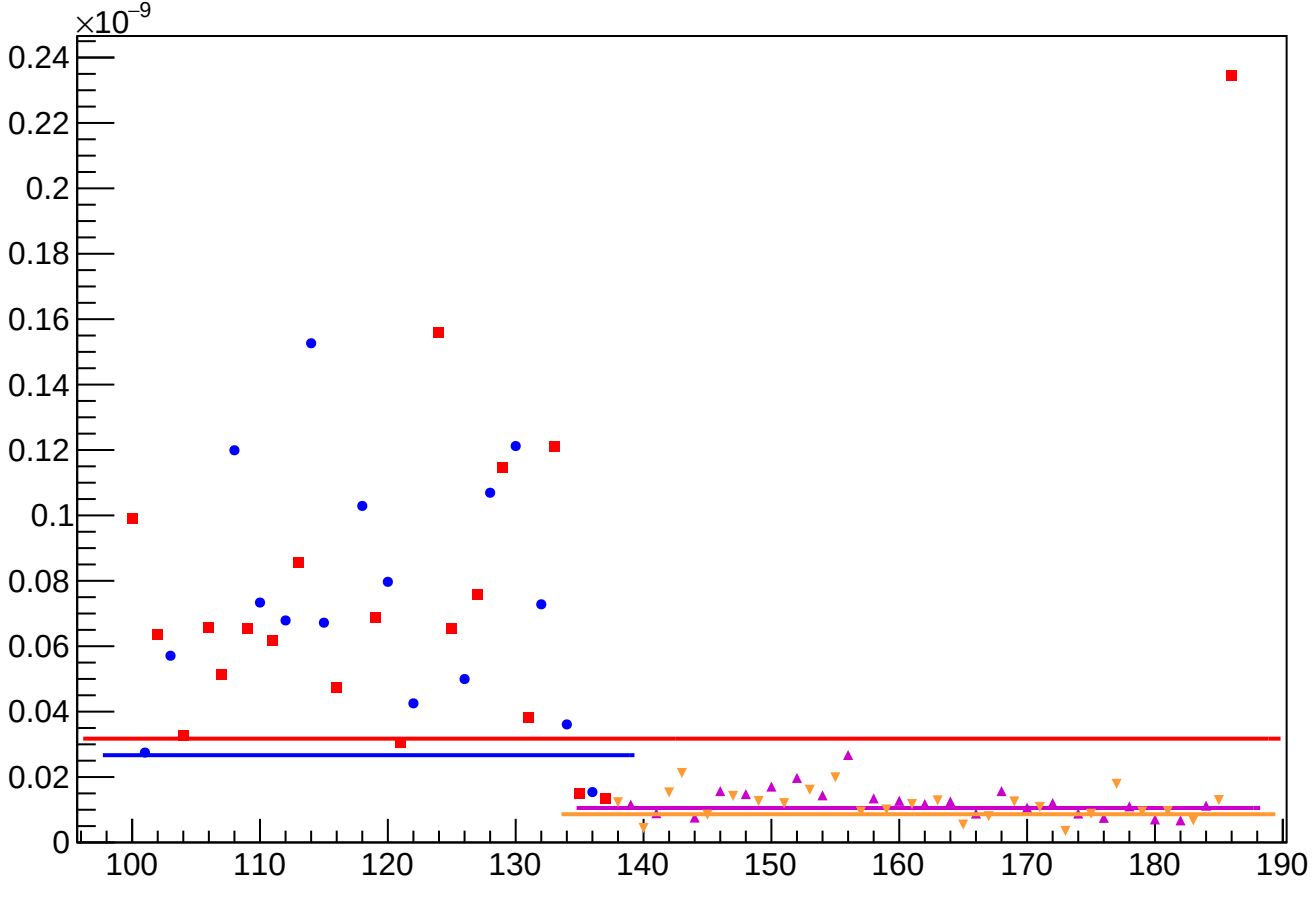
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: 0.000+/-0.000 χ^2/NDF: 48.6/35

In: 0.000+/-0.000 χ^2/NDF:30.8/38

Out: 0.000+/-0.000 χ^2/NDF:56.2/44

All: 0.000+/-0.000 χ^2/NDF: 87.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

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

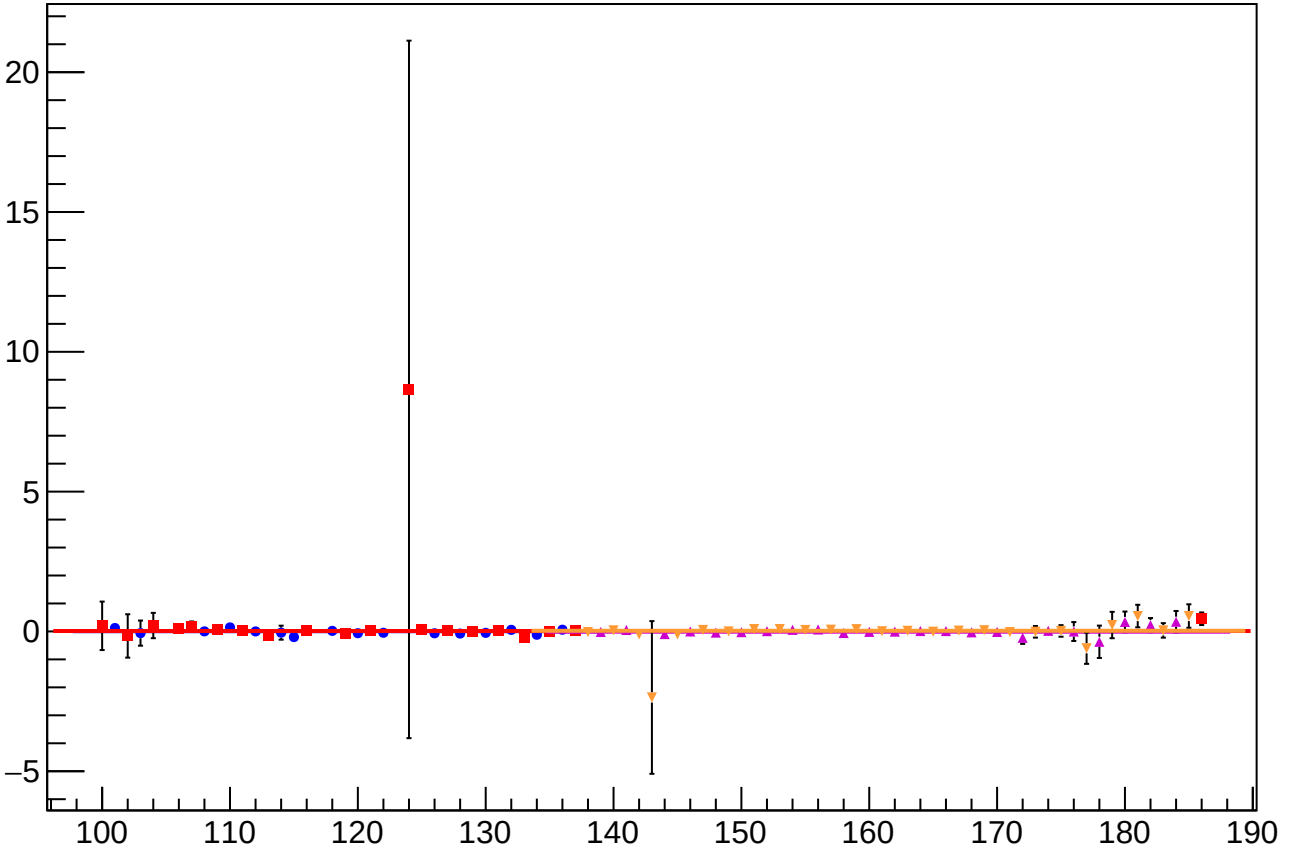
Right: 0.000+/-0.000 χ^2/NDF: 5235407.6/35

In: 0.000+/-0.000 χ^2/NDF:5211271.2/38

Out: 0.000+/-0.000 χ^2/NDF:6835385.2/44

All: 0.000+/-0.000 χ^2/NDF: 12316531.2/83

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

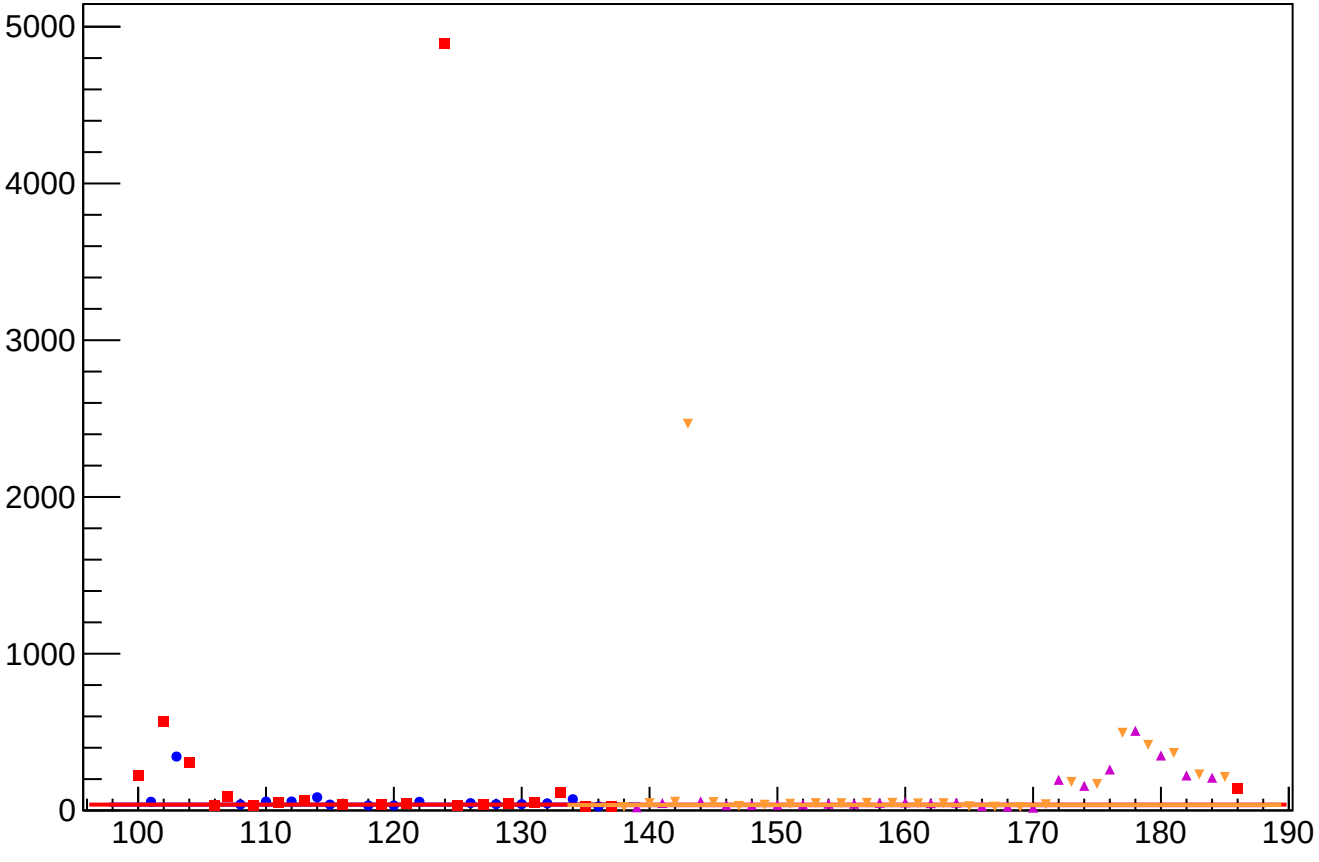
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 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

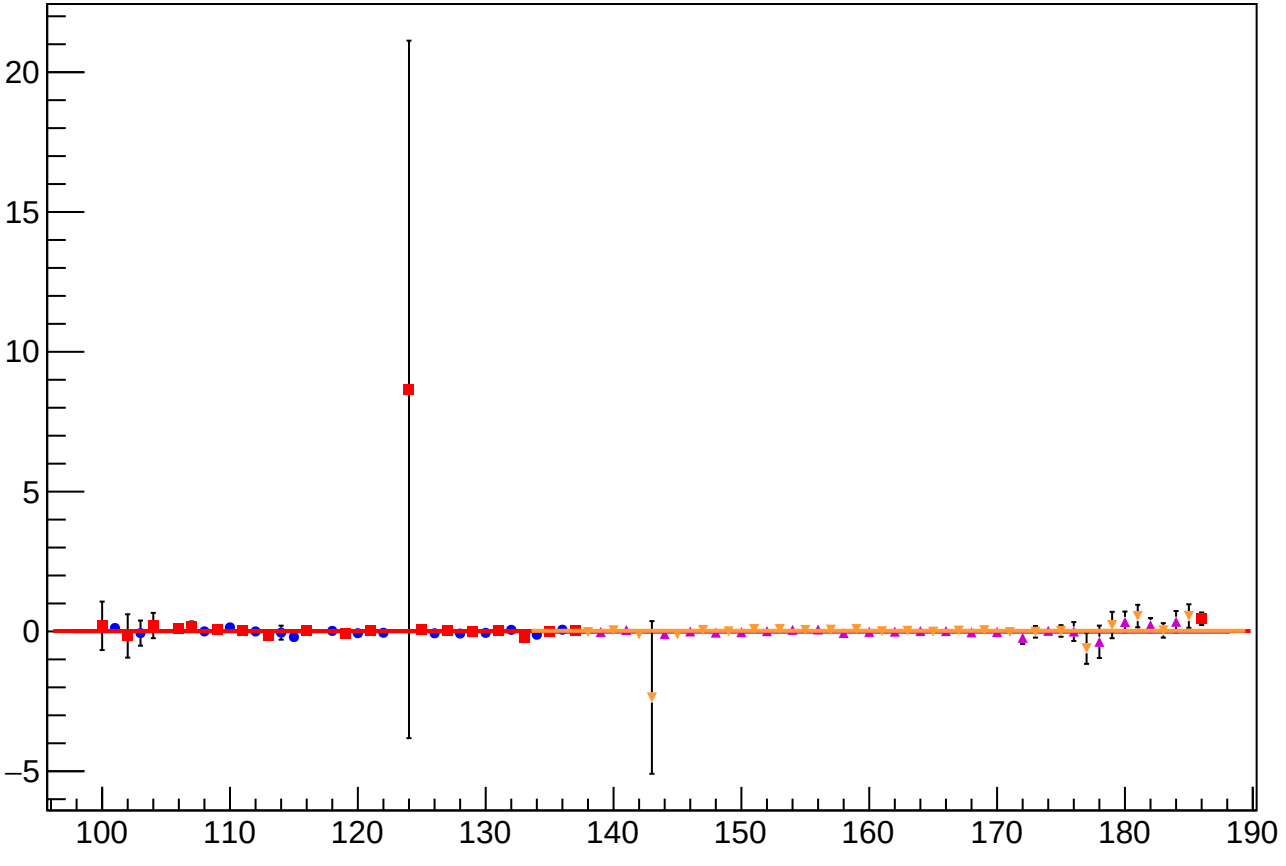
Right: 37.420+/-0.008 χ^2/NDF: 5615152.1/35

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

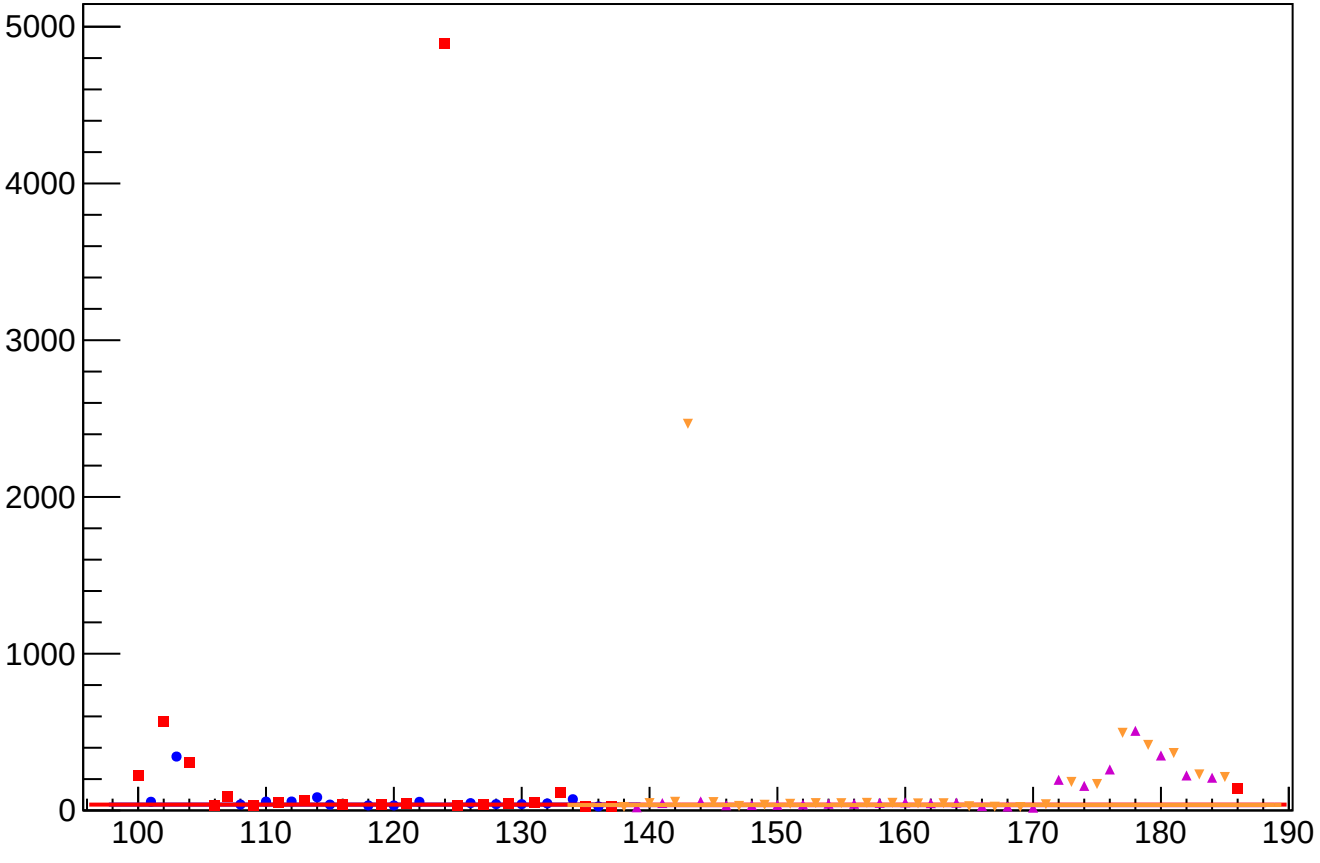
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 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

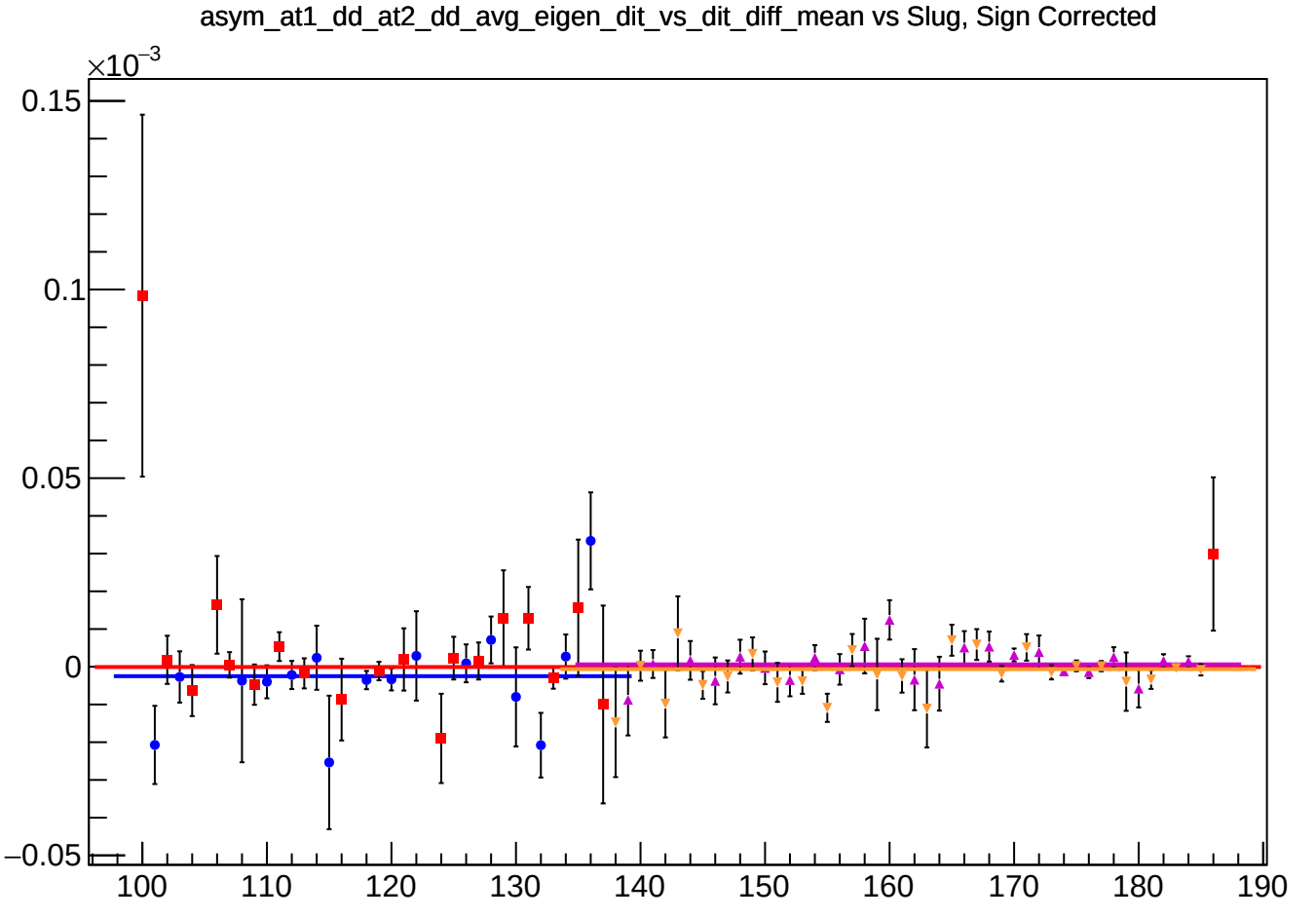
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.420+/-0.008 χ^2/NDF: 5615152.1/35

In: 34.671+/-0.006 χ^2/NDF:12135959.3/38

Out: 35.371+/-0.006 χ^2/NDF:15073238.9/44

All: 35.011+/-0.004 χ^2/NDF: 27215855.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

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

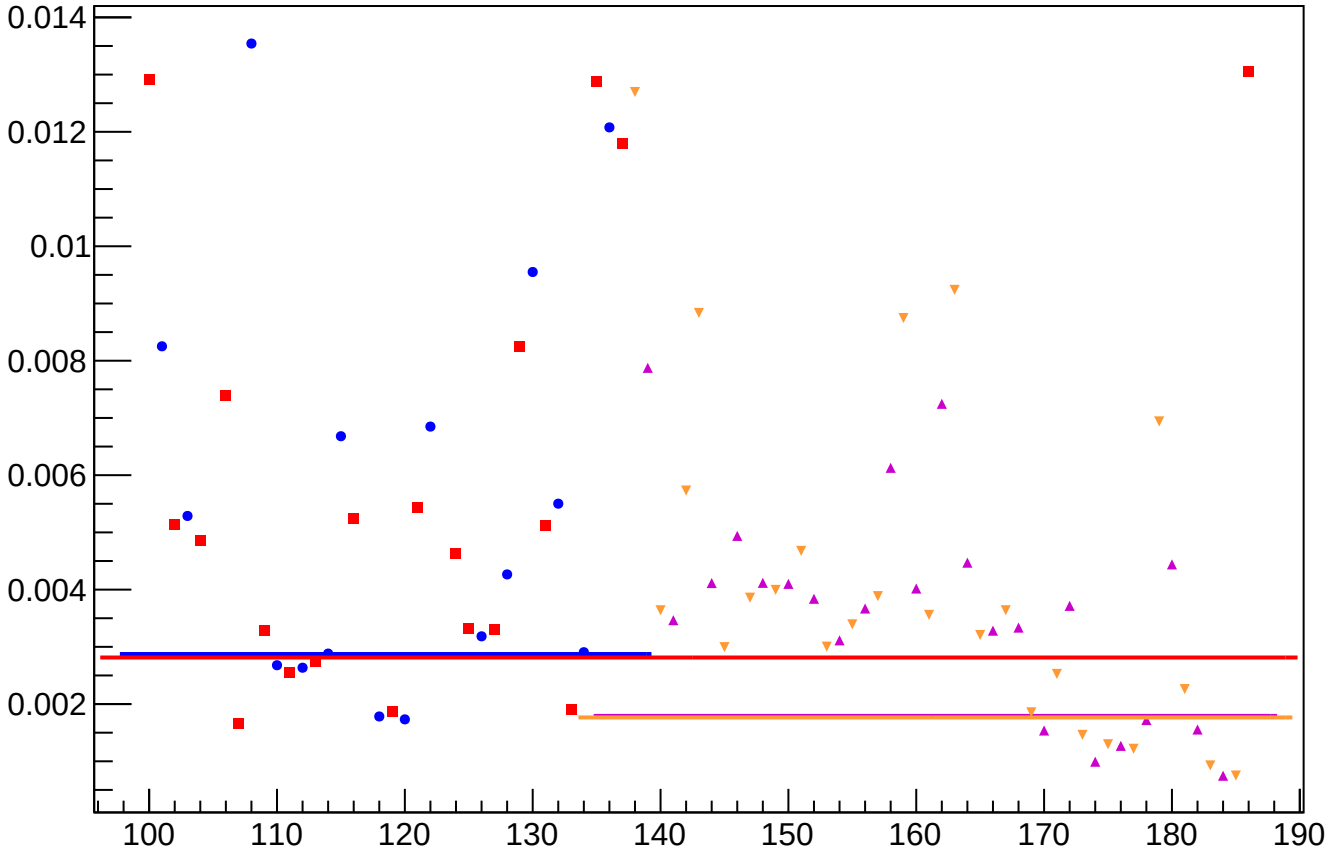
Right: -0.000+/-0.000 χ^2/NDF: 44.8/35

In: 0.000+/-0.000 χ^2/NDF:48.7/38

Out: -0.000+/-0.000 χ^2/NDF:49.6/44

All: -0.000+/-0.000 χ^2/NDF: 99.4/83

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-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

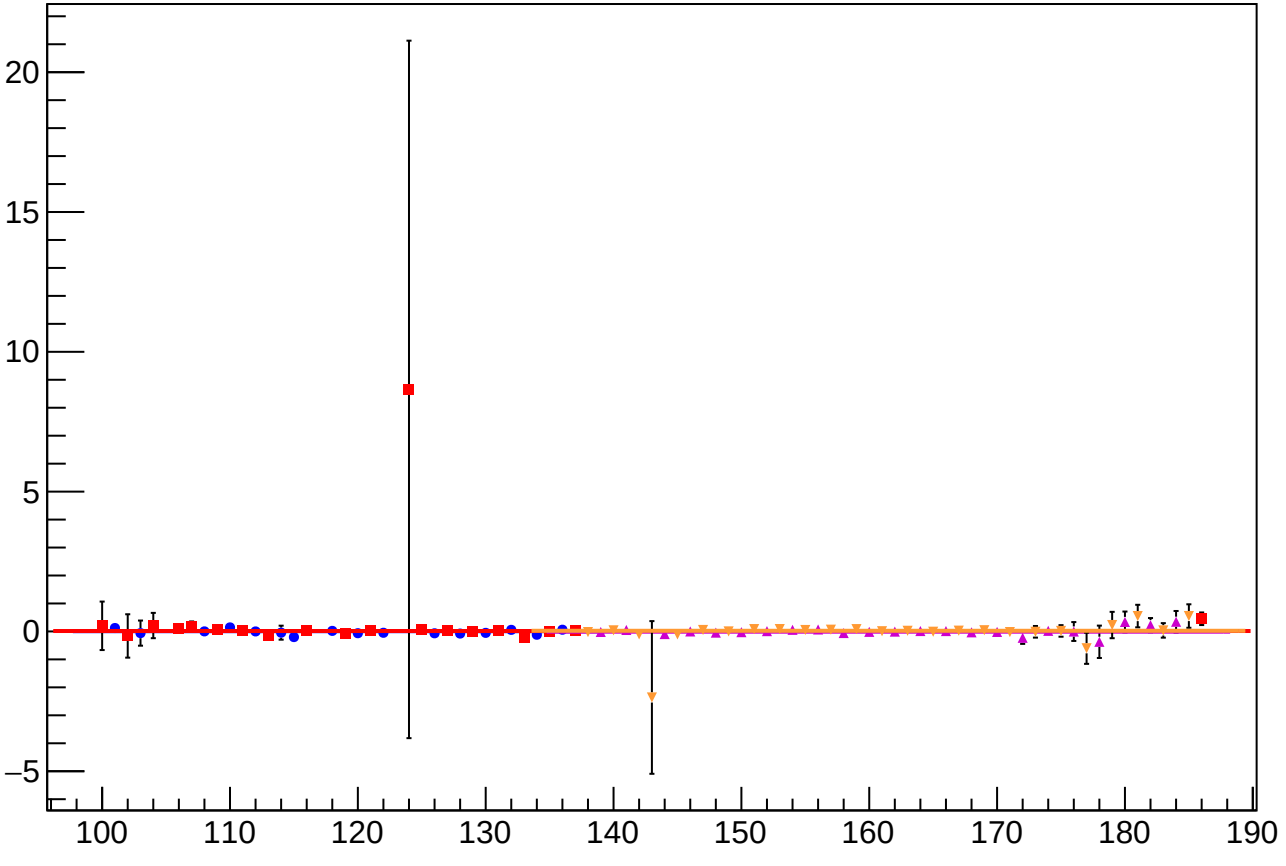
Right: 0.003+/-0.000 χ^2/NDF: 7975931.0/35

In: 0.002+/-0.000 χ^2/NDF:16088318.2/38

Out: 0.002+/-0.000 χ^2/NDF:18089679.1/44

All: 0.002+/-0.000 χ^2/NDF: 34179546.9/83

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

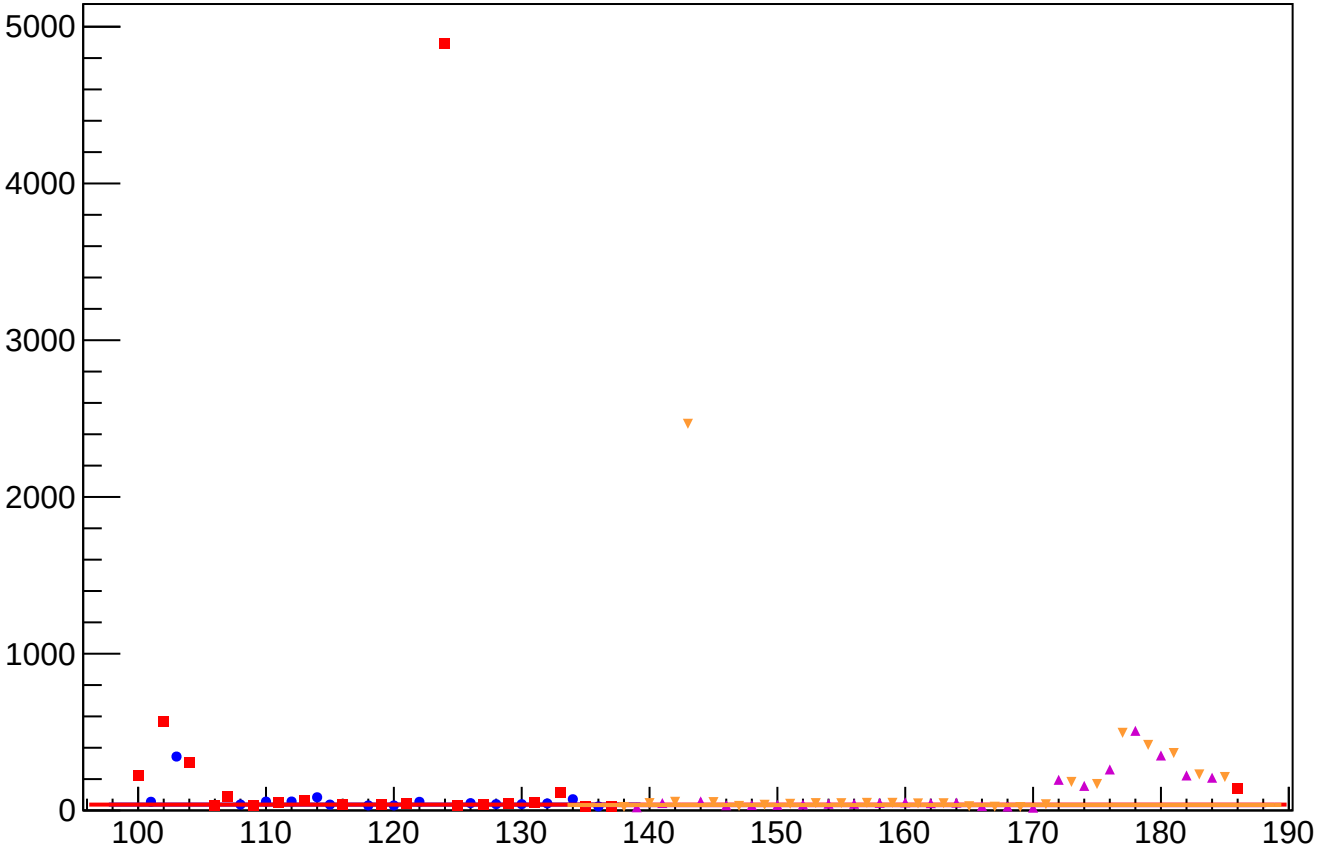
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 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

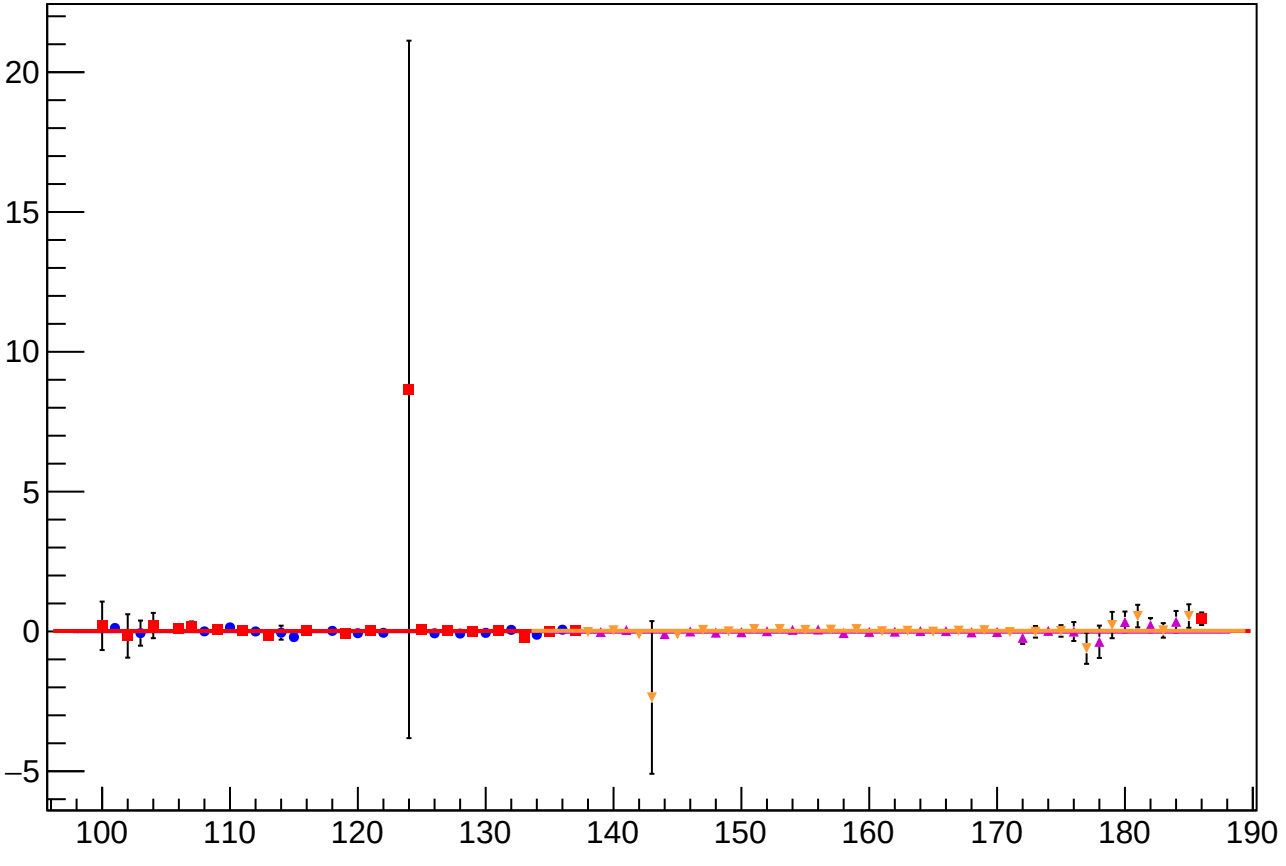
Right: 37.421+/-0.008 χ^2/NDF: 5614778.8/35

In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 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

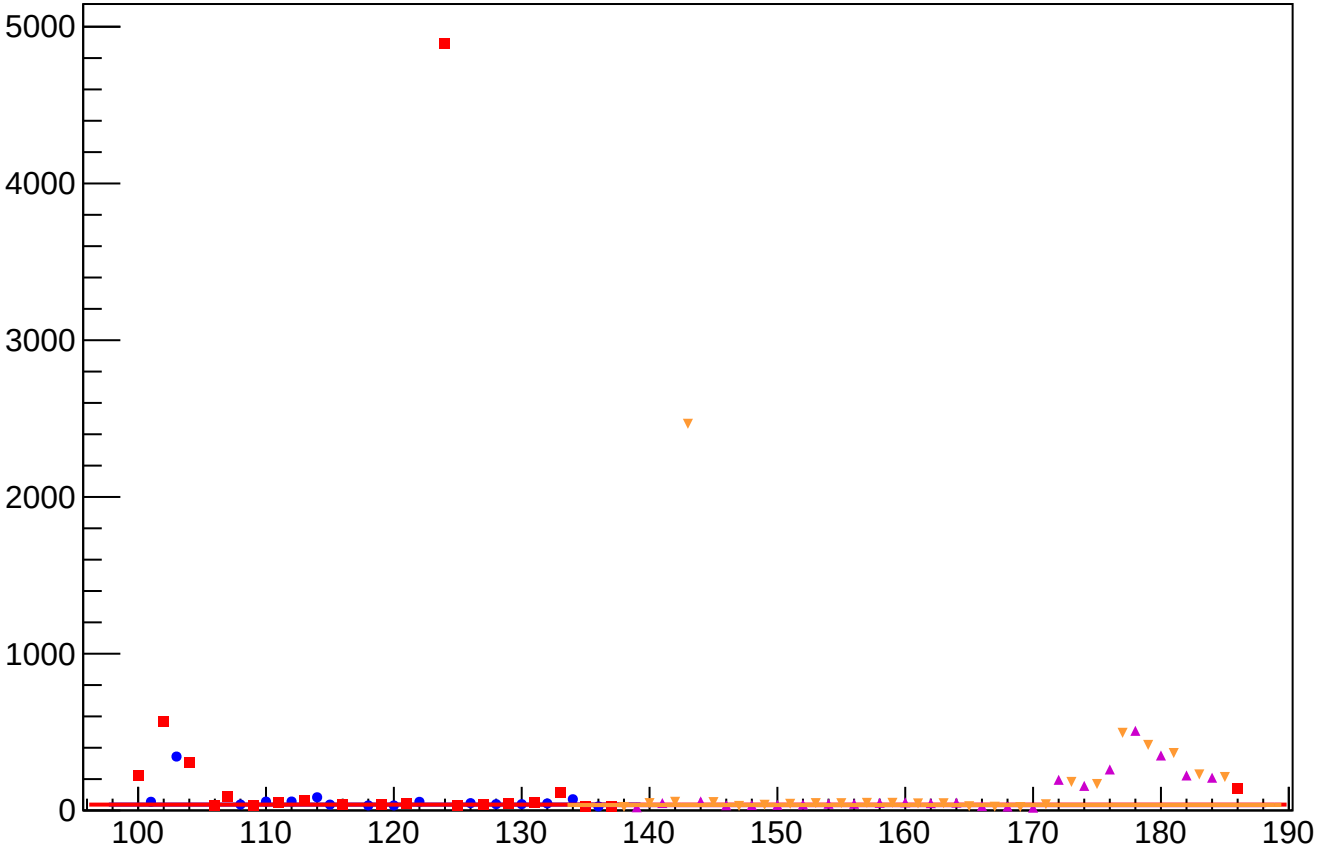
Right: 0.012+/-0.012 χ^2/NDF: 35.7/35

In: -0.005+/-0.008 χ^2/NDF:35.0/38

Out: 0.021+/-0.009 χ^2/NDF:39.4/44

All: 0.008+/-0.006 χ^2/NDF: 78.9/83

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 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

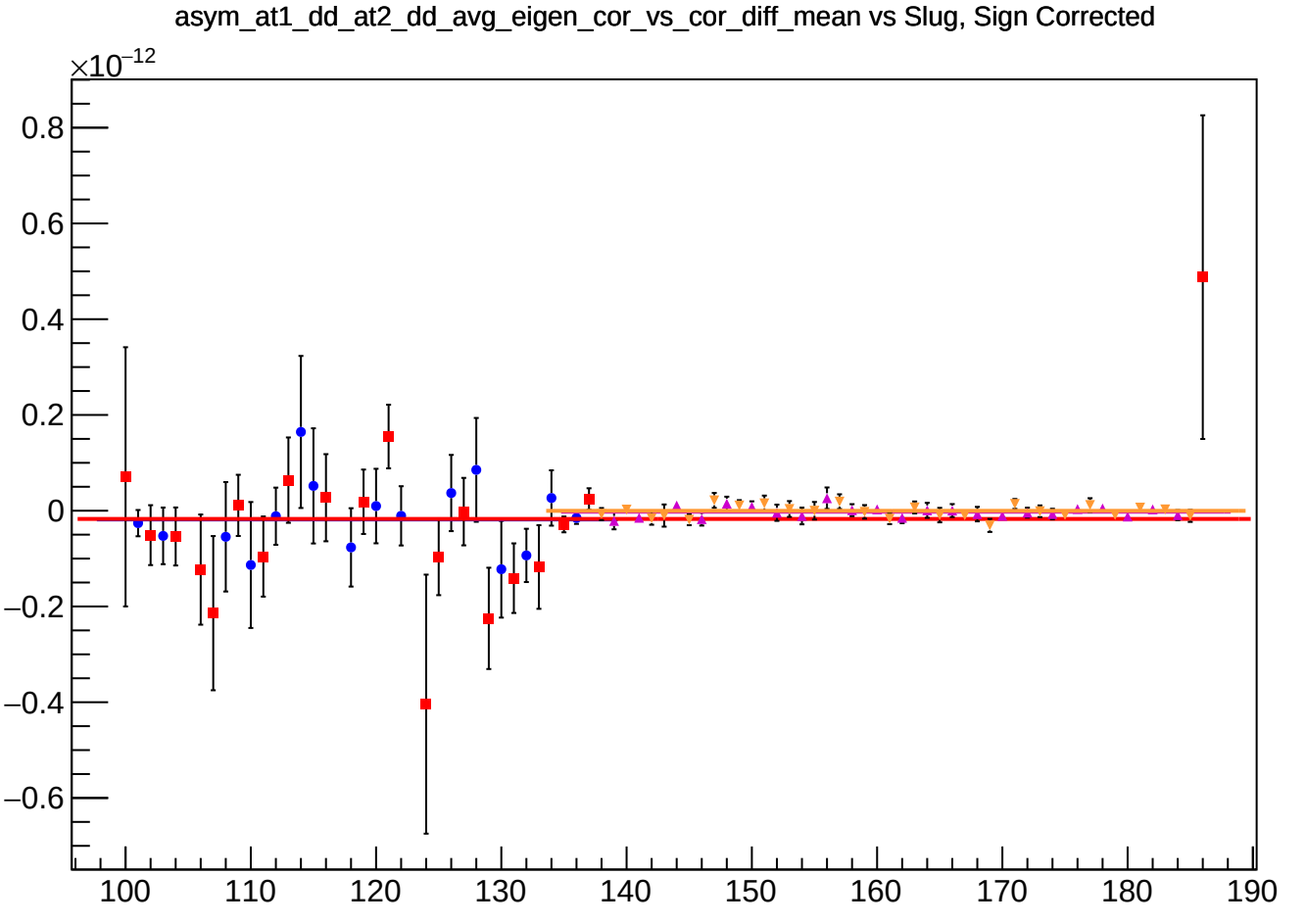
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 37.421+/-0.008 χ^2/NDF: 5614778.8/35

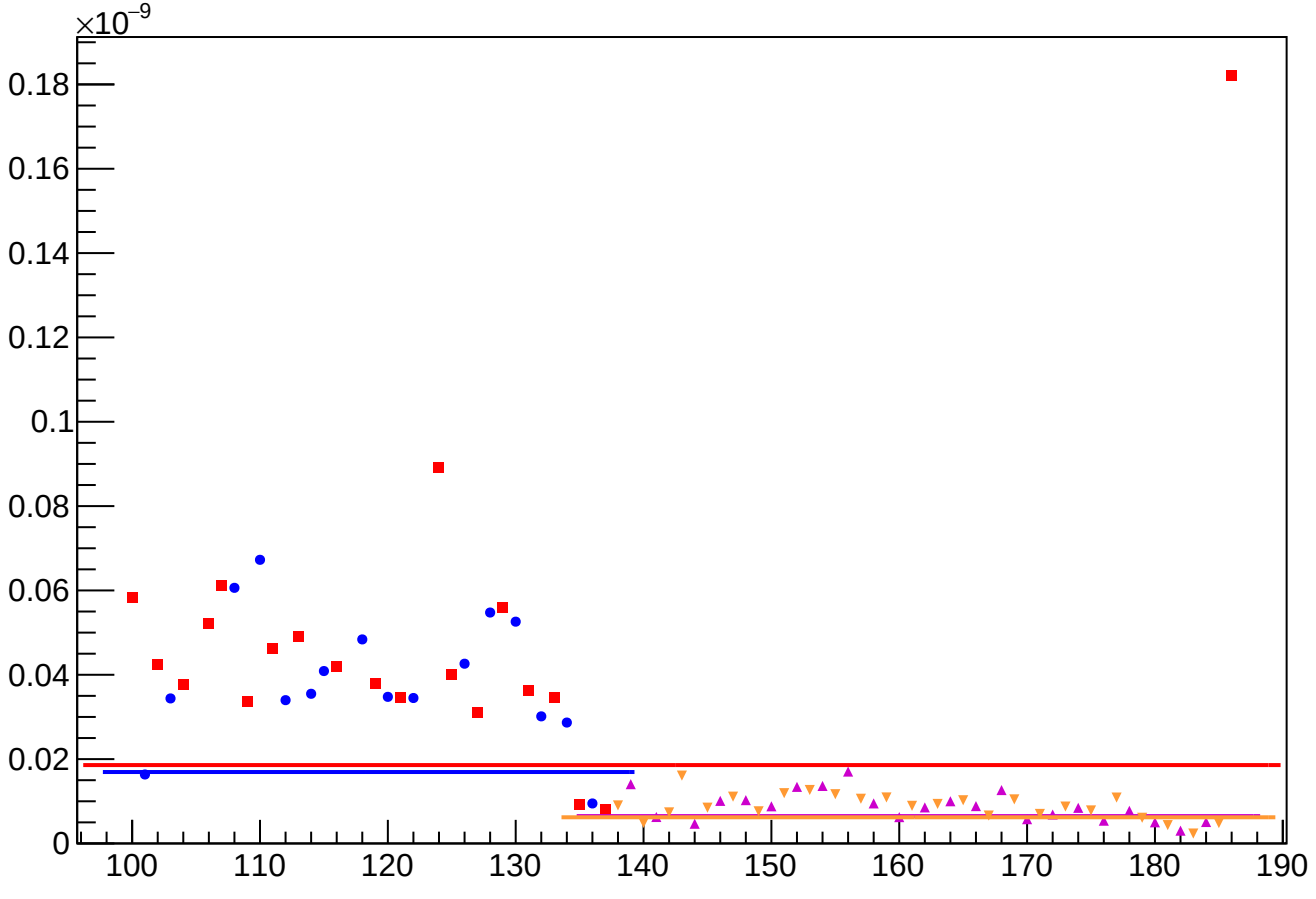
In: 34.673+/-0.006 χ^2/NDF:12134541.5/38

Out: 35.370+/-0.006 χ^2/NDF:15073126.4/44

All: 35.012+/-0.004 χ^2/NDF: 27214284.9/83


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: 8.3/15
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: 37.8/35
In: -0.000+/-0.000 χ²/NDF:30.8/38
Out: -0.000+/-0.000 χ²/NDF:57.8/44
All: -0.000+/-0.000 χ²/NDF: 89.1/83

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: 3207856.3/15

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

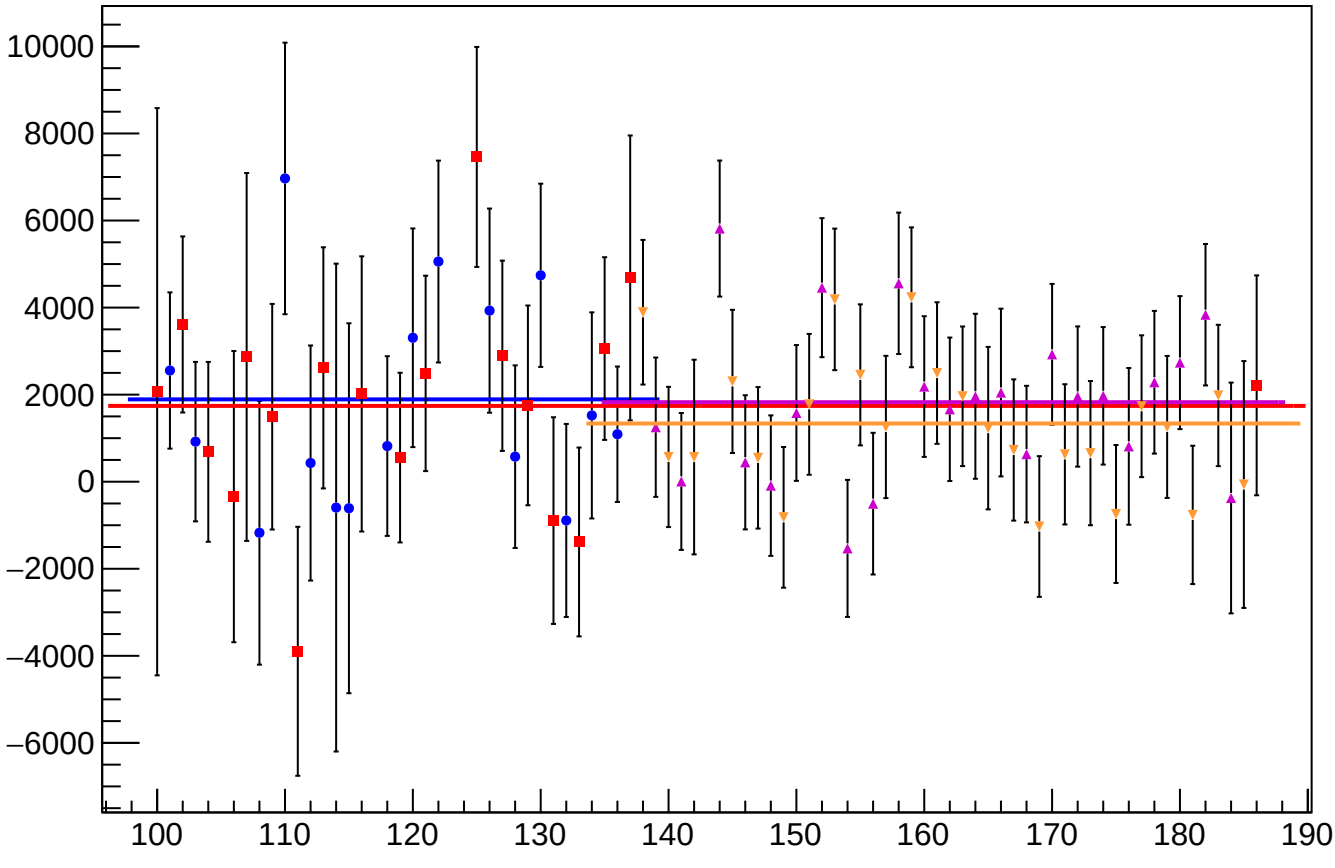
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7375307.7/35

In: 0.000+/-0.000 χ^2/NDF:9334209.9/38

Out: 0.000+/-0.000 χ^2/NDF:11655273.3/44

All: 0.000+/-0.000 χ^2/NDF: 21018629.1/83



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

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

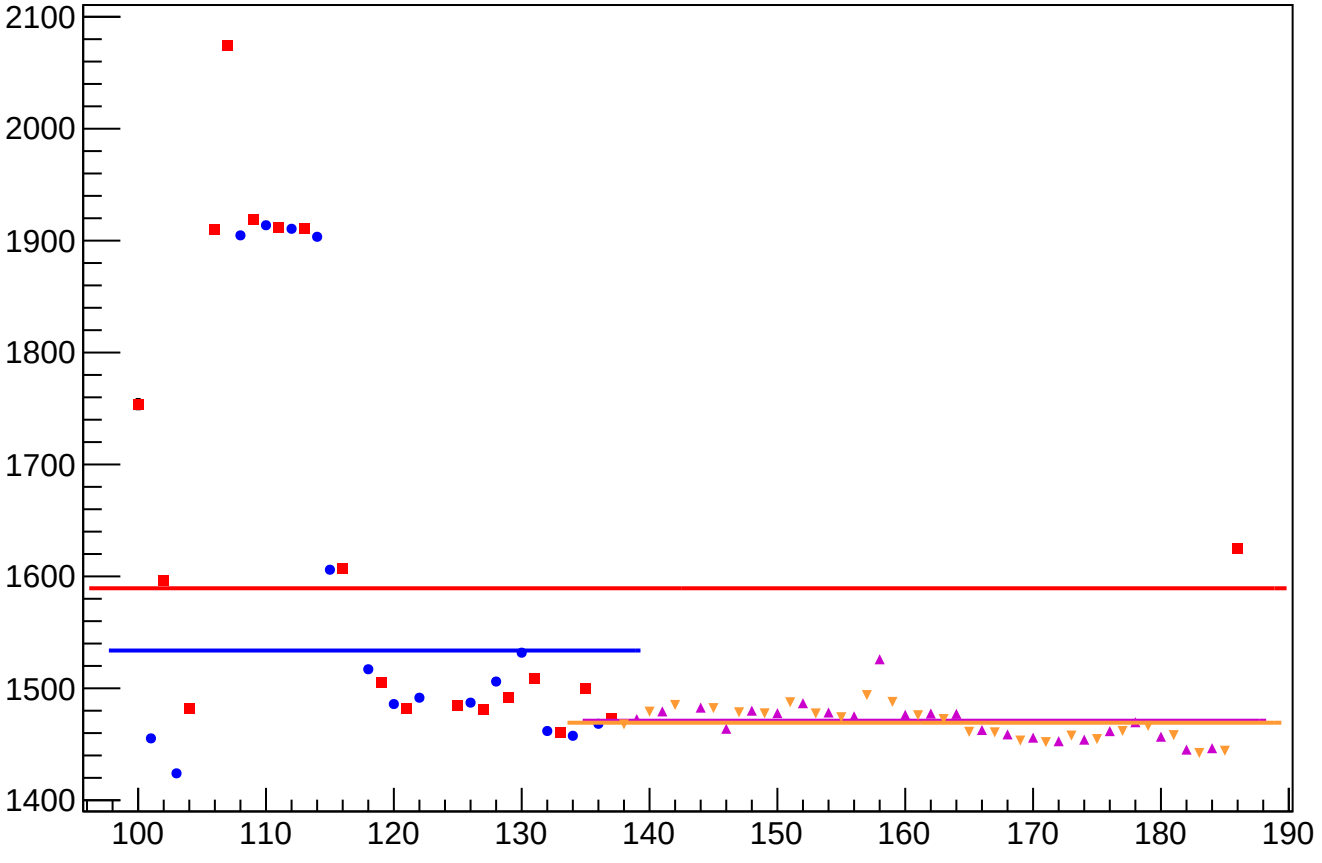
Right: 1816.783+/-405.288 χ^2/NDF: 28.3/34

In: 1843.777+/-294.503 χ^2/NDF:38.7/38

Out: 1442.540+/-293.188 χ^2/NDF:35.6/42

All: 1642.261+/-207.779 χ^2/NDF: 75.2/81

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

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

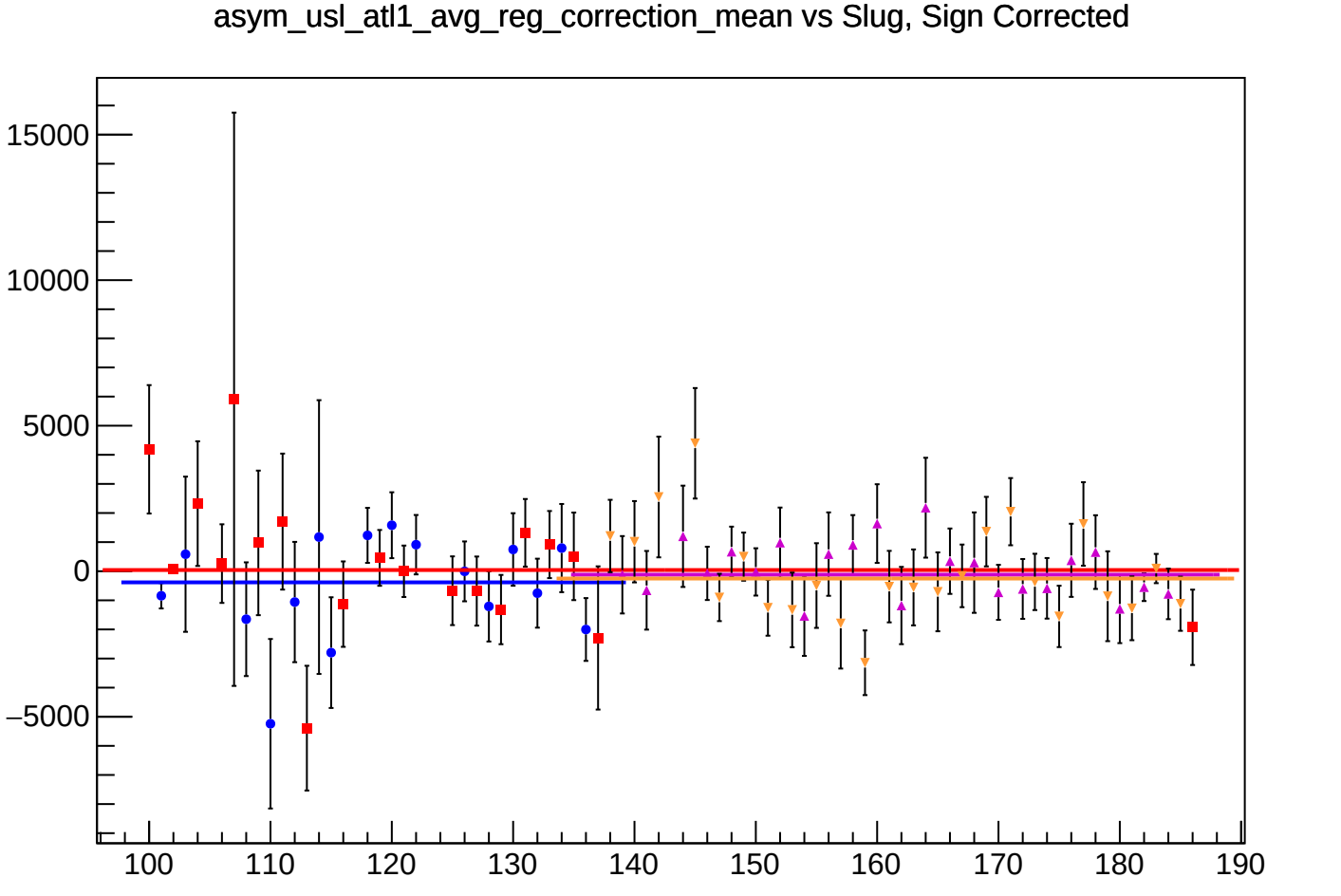
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1561.490+/-0.287 χ^2/NDF: 311089.4/34

In: 1487.665+/-0.208 χ^2/NDF:151574.6/38

Out: 1500.596+/-0.207 χ^2/NDF:240281.7/42

All: 1494.160+/-0.147 χ^2/NDF: 393793.0/81



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

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

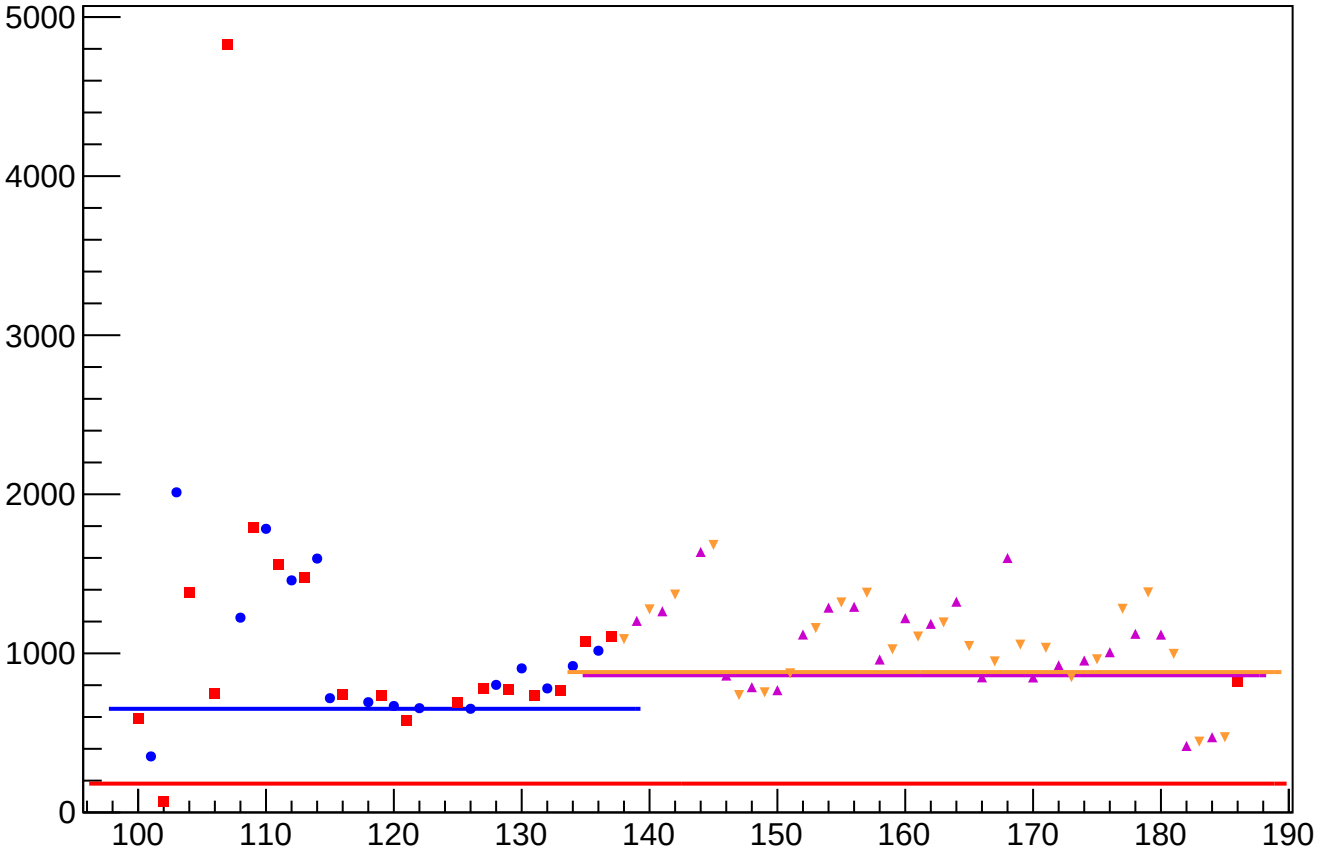
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -34.993+/-115.152 χ^2/NDF: 40.3/34

In: -221.398+/-169.190 χ^2/NDF:31.6/38

Out: -33.170+/-109.837 χ^2/NDF:54.2/42

All: -88.979+/-92.126 χ^2/NDF: 86.6/81



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

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

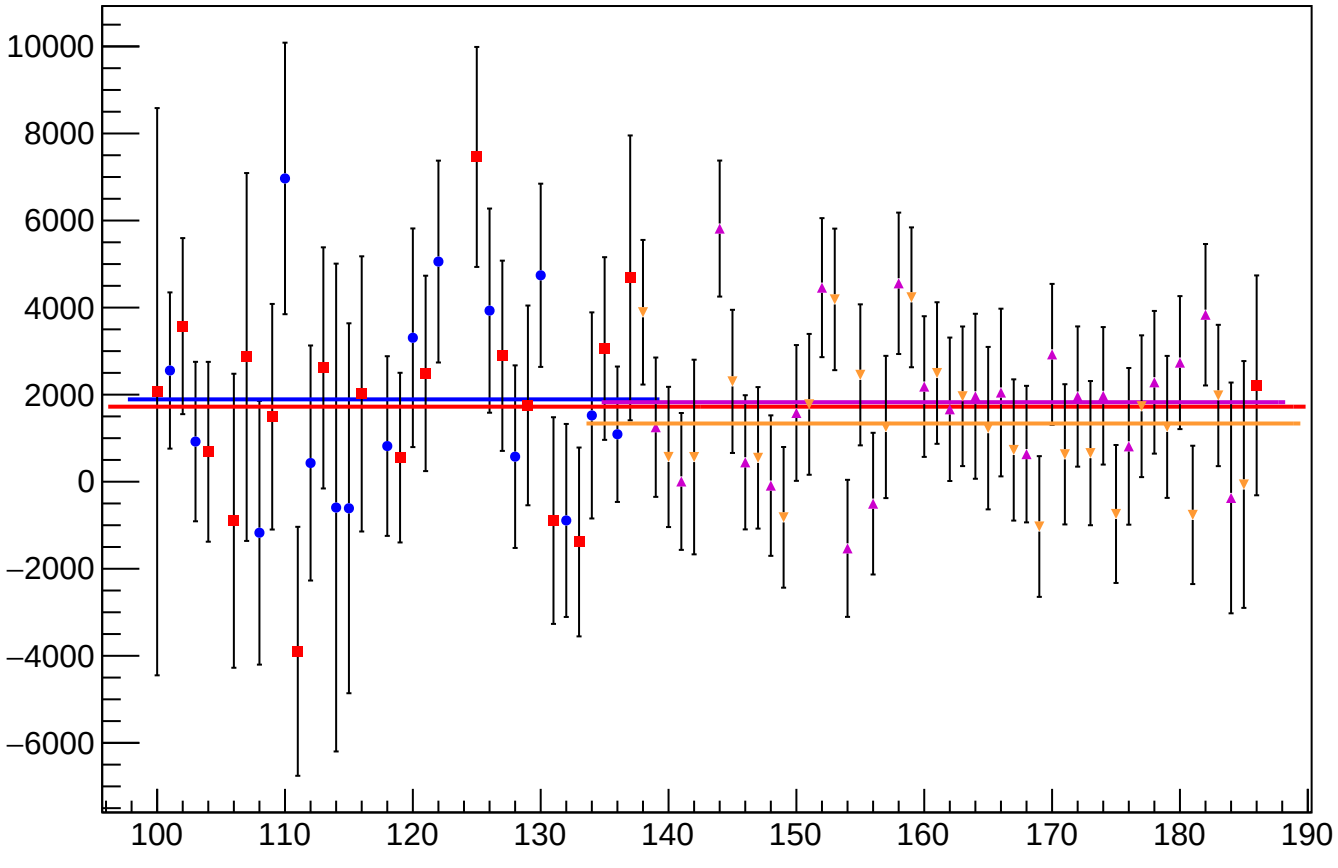
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 265.345+/-0.081 χ^2/NDF: 17927759.3/34

In: 780.872+/-0.120 χ^2/NDF:7867949.0/38

Out: 358.591+/-0.078 χ^2/NDF:29570825.1/42

All: 483.795+/-0.065 χ^2/NDF: 46203734.5/81



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

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

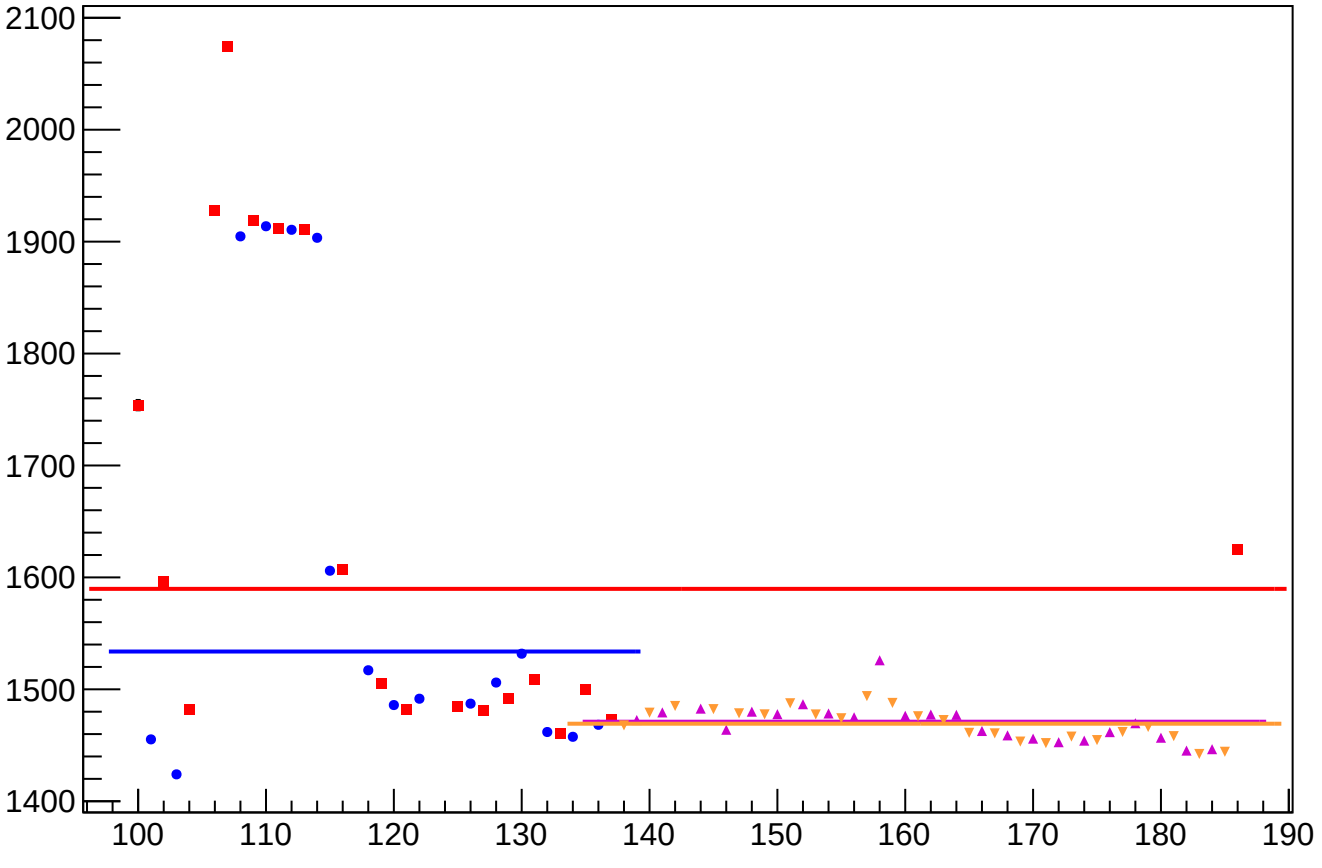
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1807.917+/-405.347 χ^2/NDF: 28.5/34

In: 1843.838+/-294.503 χ^2/NDF:38.7/38

Out: 1437.824+/-293.210 χ^2/NDF:35.7/42

All: 1639.938+/-207.787 χ^2/NDF: 75.4/81



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

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

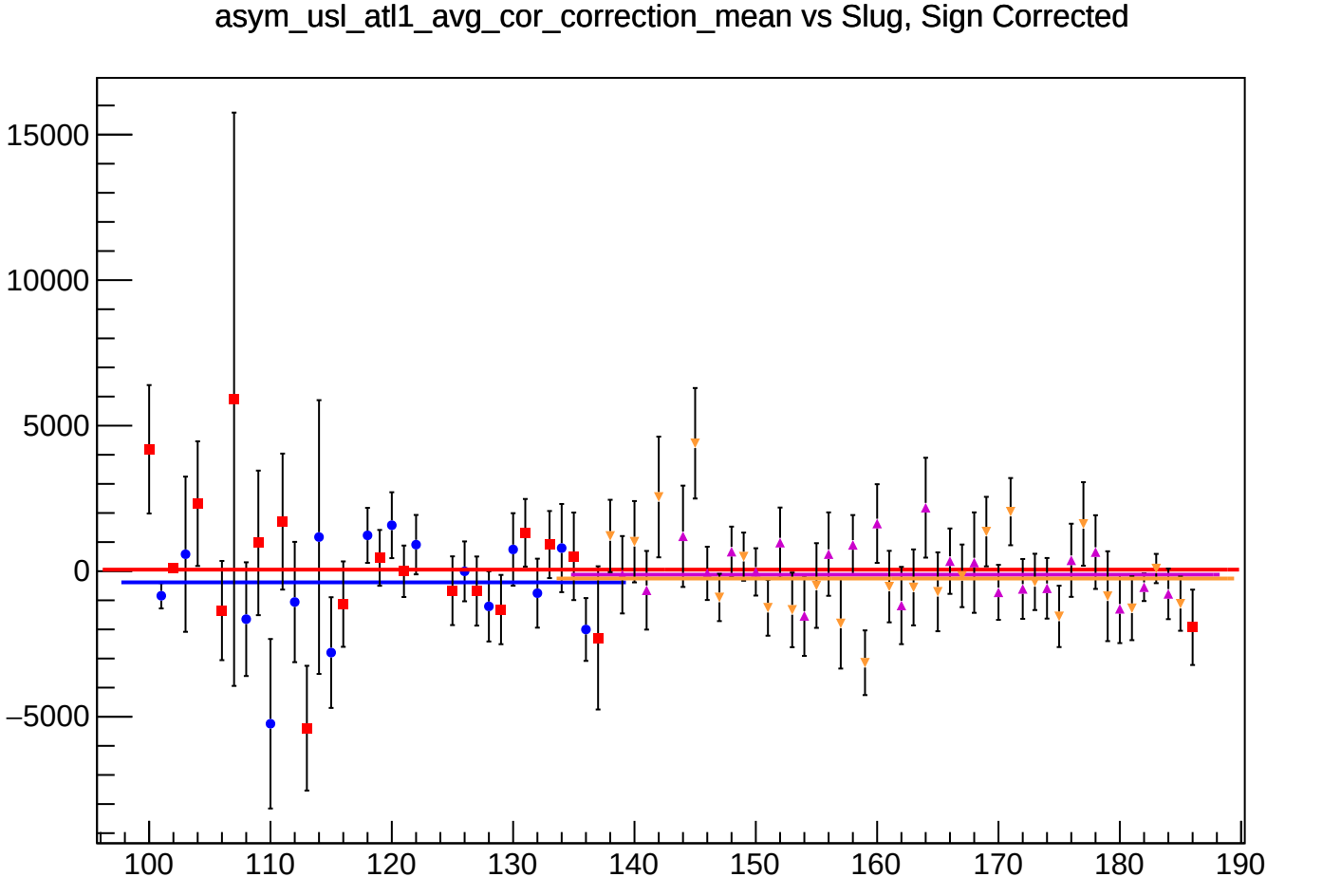
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1561.665+/-0.287 χ^2/NDF: 312981.1/34

In: 1487.665+/-0.208 χ^2/NDF:151574.6/38

Out: 1500.678+/-0.207 χ^2/NDF:242418.9/42

All: 1494.200+/-0.147 χ^2/NDF: 395954.6/81



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

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

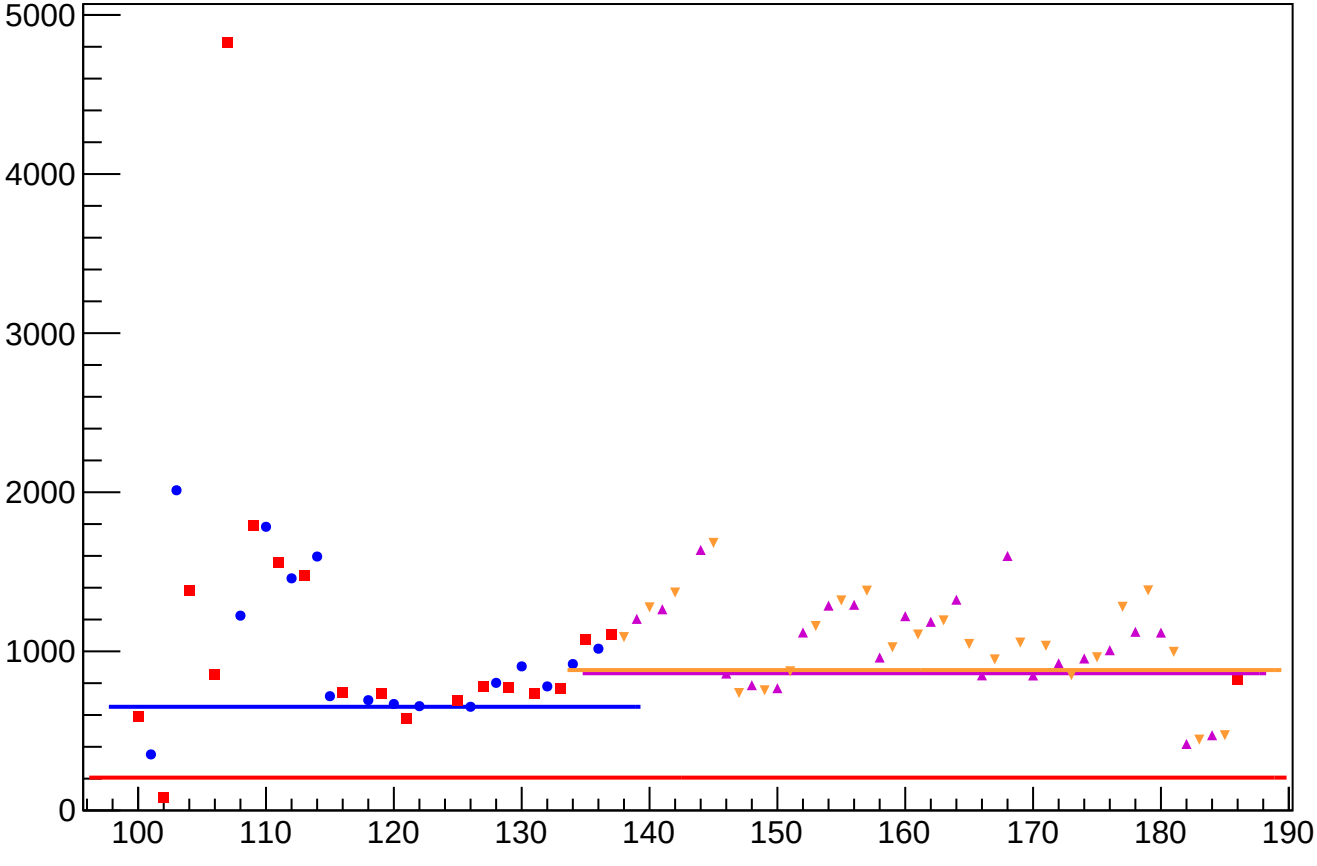
Right: -34.495+/-122.630 χ^2/NDF: 41.1/34

In: -221.415+/-169.190 χ^2/NDF:31.6/38

Out: -32.503+/-116.268 χ^2/NDF:55.0/42

All: -93.100+/-95.823 χ^2/NDF: 87.4/81

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 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

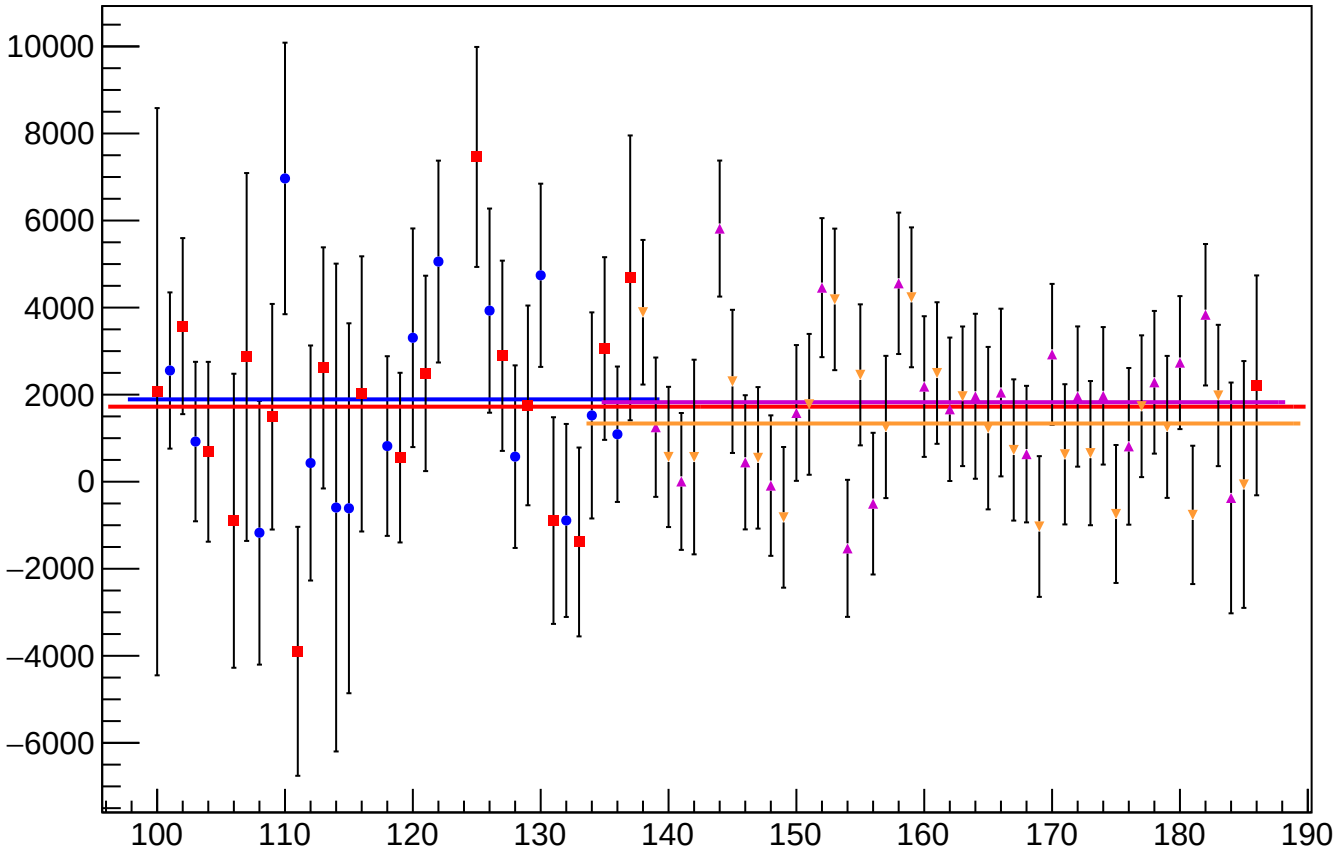
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 296.737+/-0.087 χ^2/NDF: 16773543.9/34

In: 780.872+/-0.120 χ^2/NDF:7868009.5/38

Out: 398.048+/-0.082 χ^2/NDF:27383723.6/42

All: 520.846+/-0.068 χ^2/NDF: 42206697.9/81



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

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

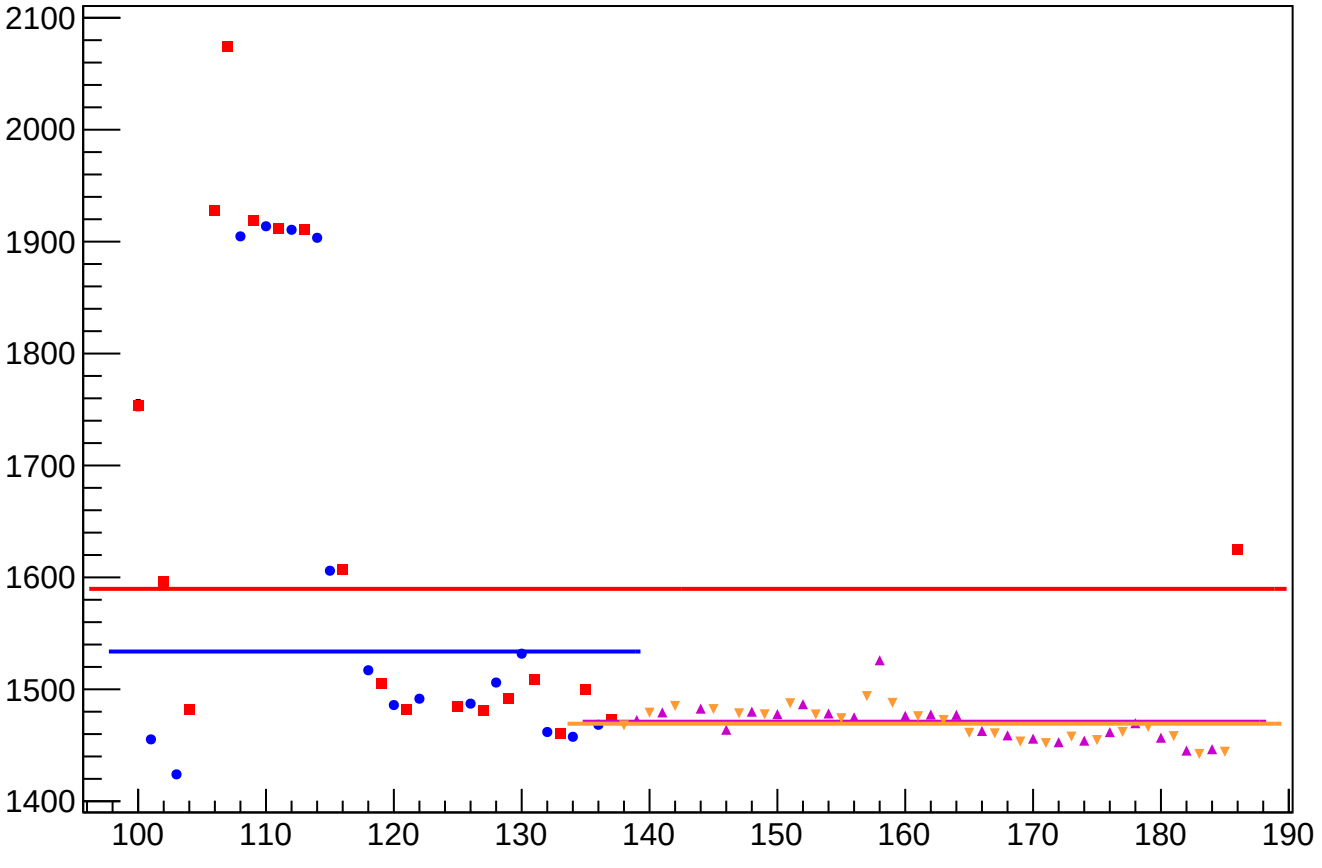
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1807.917+/-405.347 χ^2/NDF: 28.5/34

In: 1843.838+/-294.503 χ^2/NDF:38.7/38

Out: 1437.824+/-293.210 χ^2/NDF:35.7/42

All: 1639.938+/-207.787 χ^2/NDF: 75.4/81



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

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

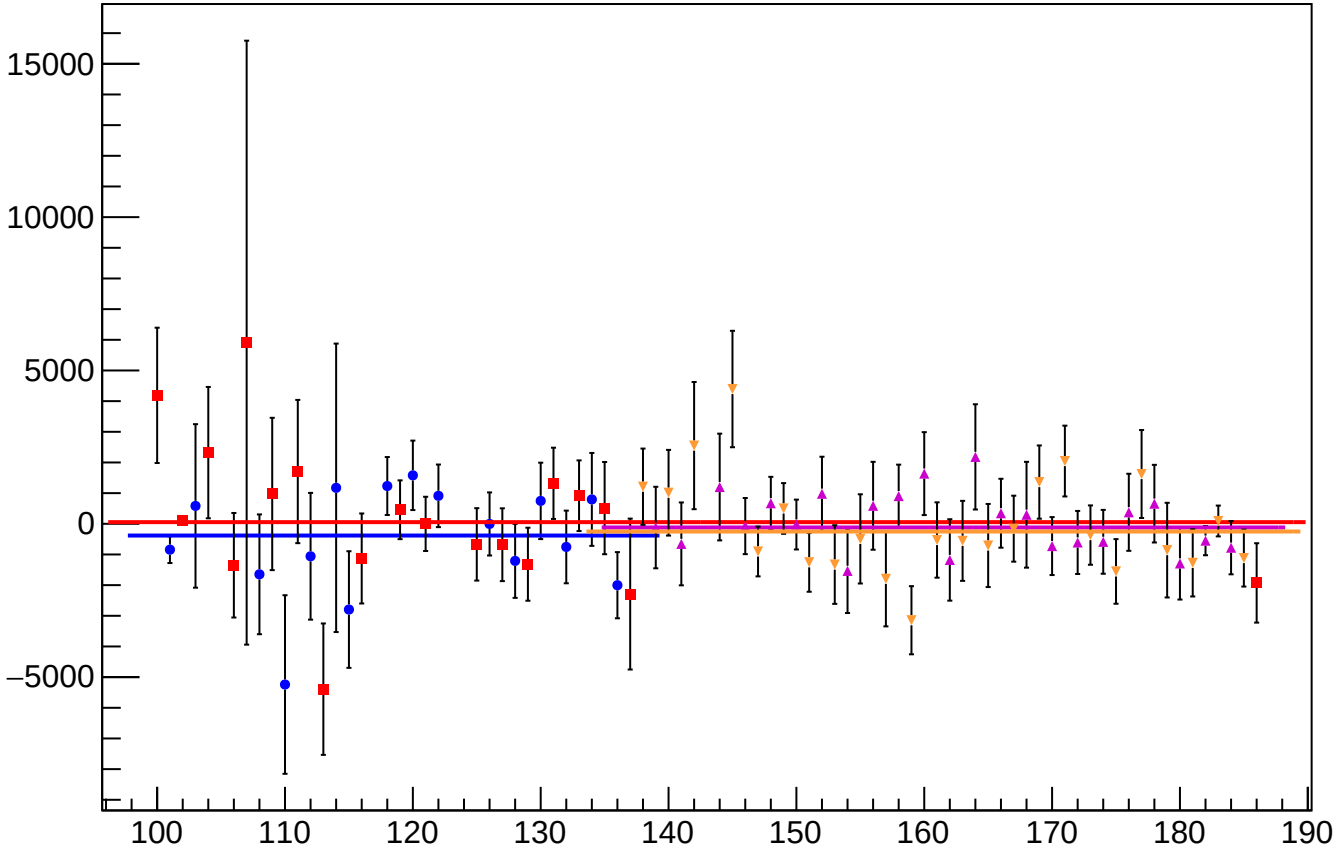
Right: 1561.665+/-0.287 χ^2/NDF: 312981.1/34

In: 1487.665+/-0.208 χ^2/NDF:151574.6/38

Out: 1500.678+/-0.207 χ^2/NDF:242418.9/42

All: 1494.200+/-0.147 χ^2/NDF: 395954.6/81

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -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

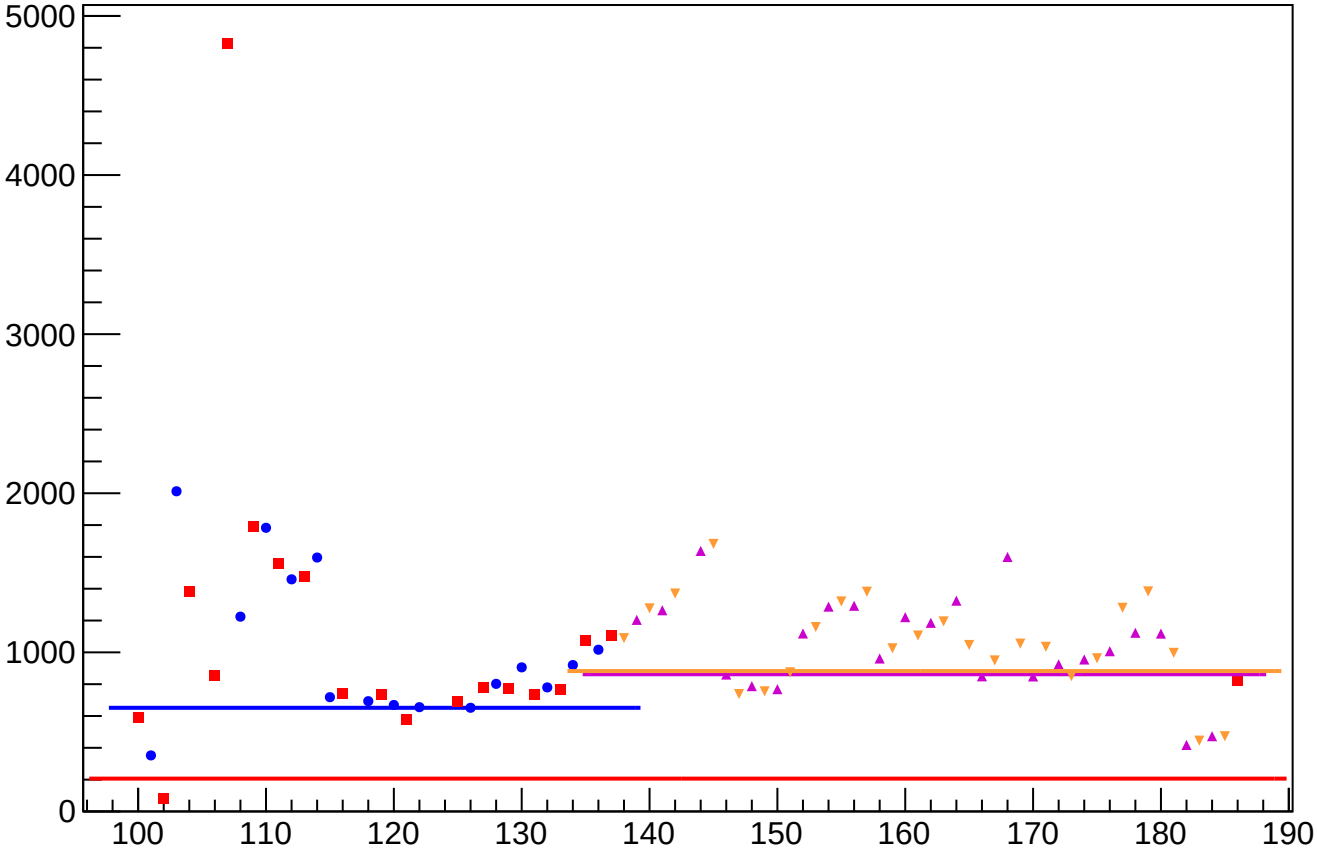
Right: -34.495+/-122.630 χ^2/NDF: 41.1/34

In: -221.415+/-169.190 χ^2/NDF:31.6/38

Out: -32.503+/-116.268 χ^2/NDF:55.0/42

All: -93.100+/-95.823 χ^2/NDF: 87.4/81

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 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

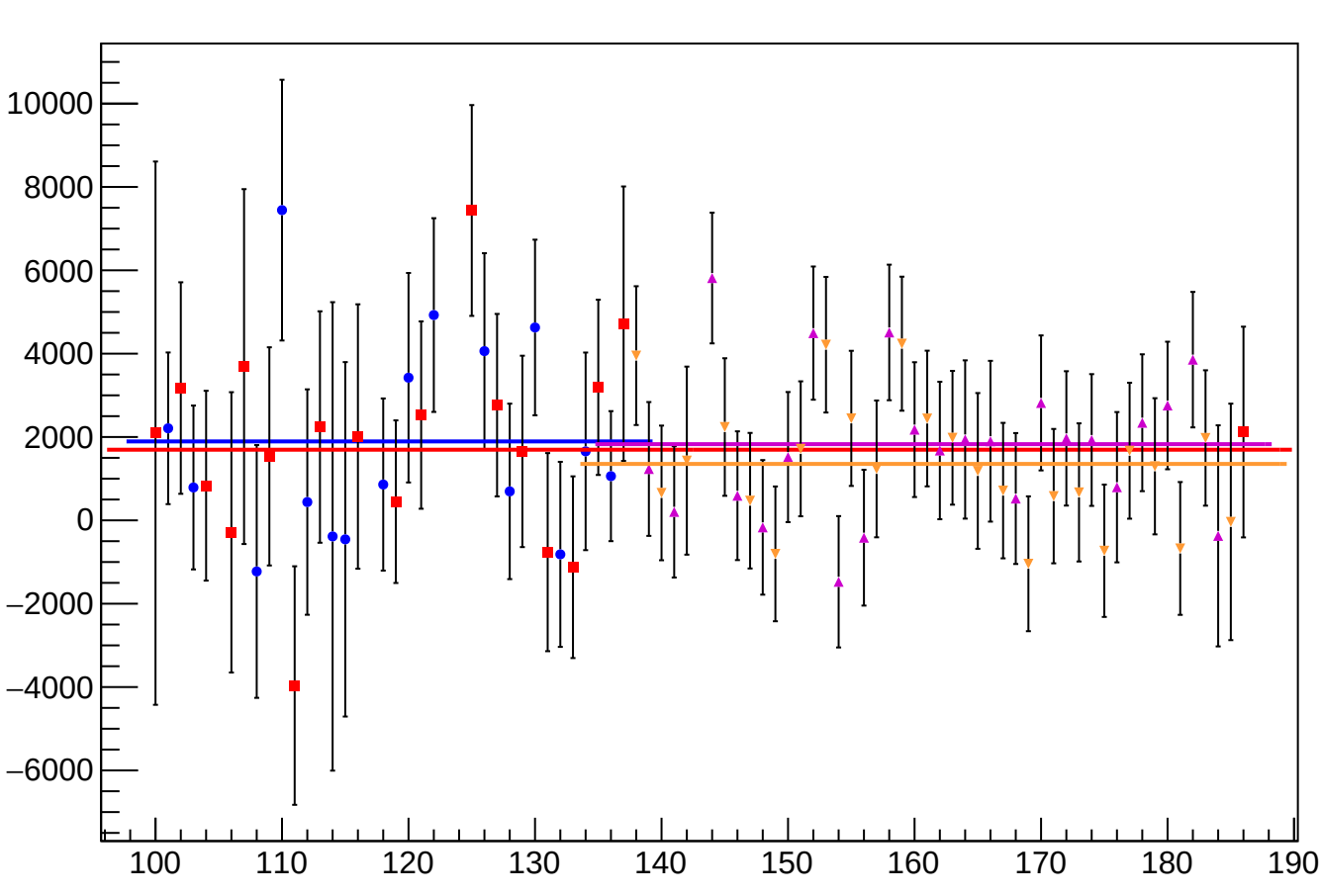
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 296.737+/-0.087 χ^2/NDF: 16773543.9/34

In: 780.872+/-0.120 χ^2/NDF:7868009.5/38

Out: 398.048+/-0.082 χ^2/NDF:27383723.6/42

All: 520.846+/-0.068 χ^2/NDF: 42206697.9/81



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

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

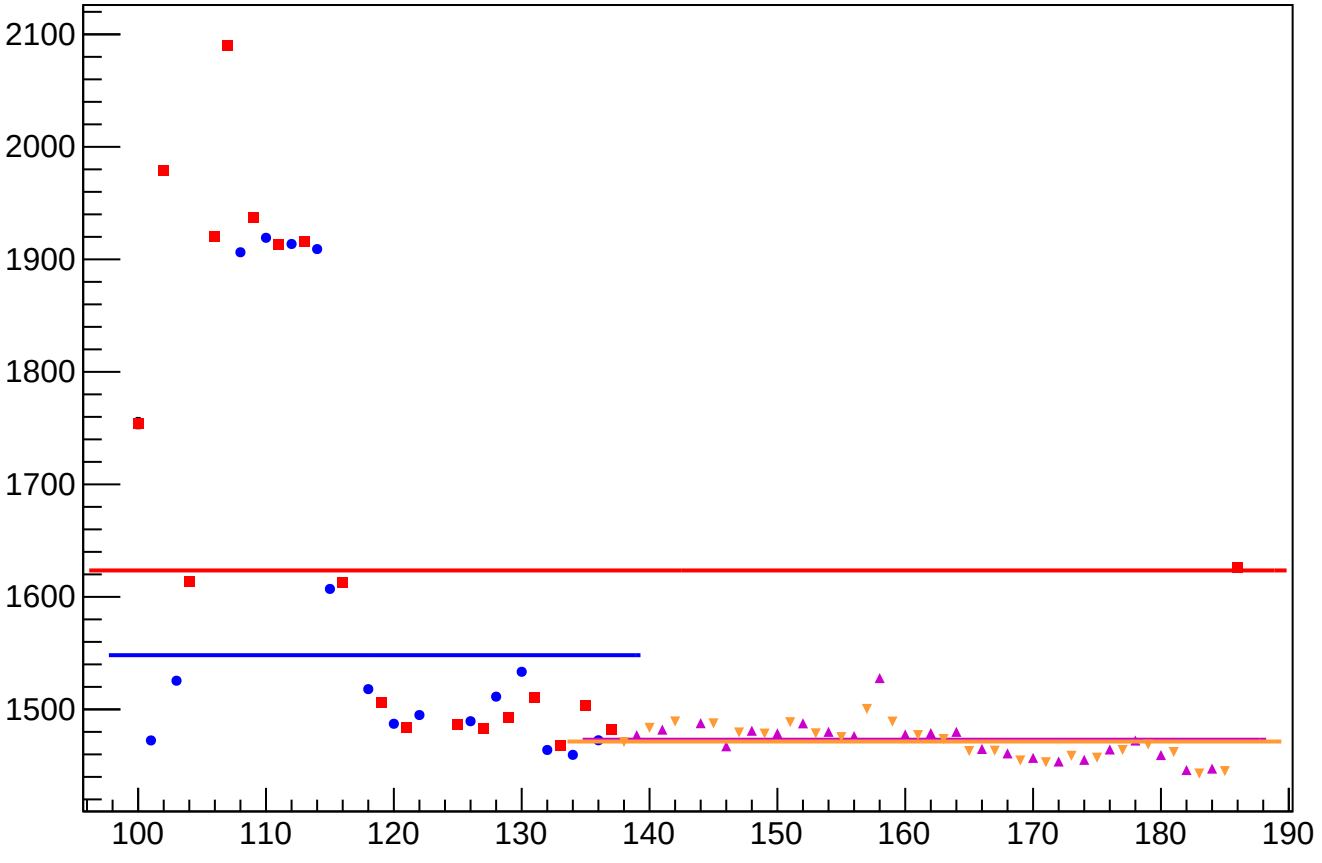
Right: 1796.491+/-412.146 χ^2/NDF: 27.4/34

In: 1845.505+/-295.528 χ^2/NDF:38.1/38

Out: 1439.797+/-295.383 χ^2/NDF:34.3/42

All: 1642.552+/-208.919 χ^2/NDF: 73.3/81

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

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

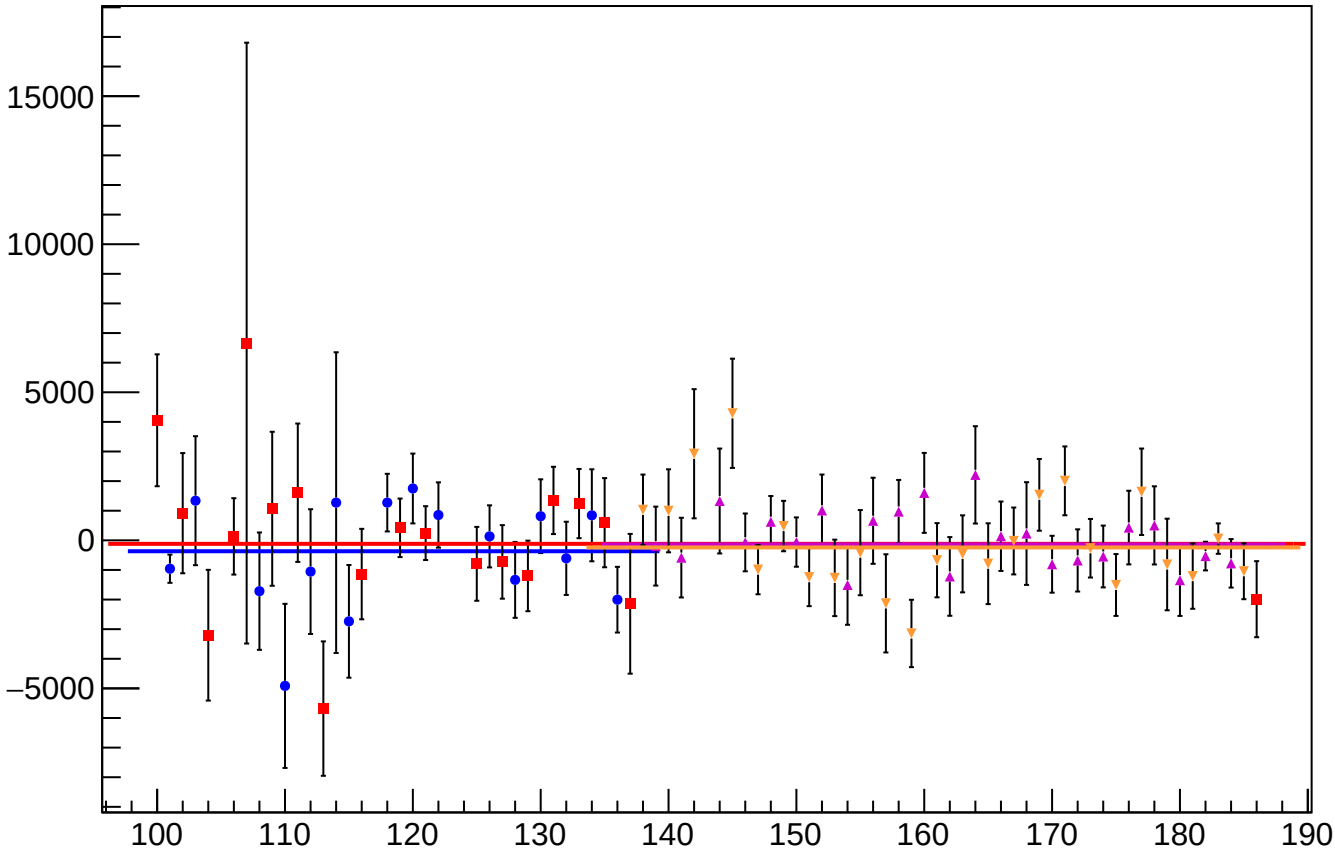
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1585.150+/-0.291 χ^2/NDF: 348136.5/34

In: 1492.713+/-0.209 χ^2/NDF:149631.4/38

Out: 1509.779+/-0.209 χ^2/NDF:314918.8/42

All: 1501.250+/-0.148 χ^2/NDF: 467886.5/81



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

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

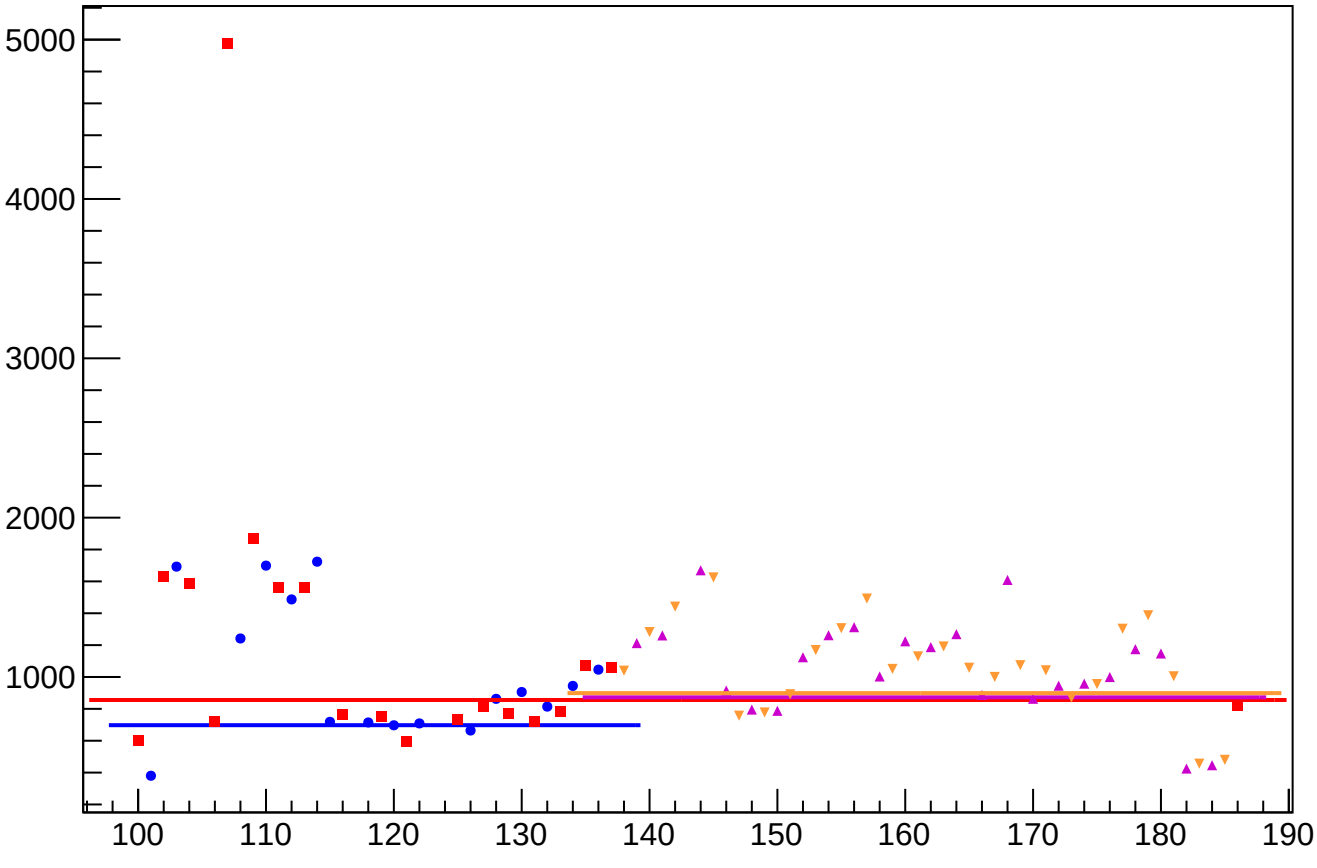
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -261.150+/-216.403 χ^2/NDF: 40.6/34

In: -223.069+/-173.745 χ^2/NDF:32.3/38

Out: -202.377+/-184.094 χ^2/NDF:53.9/42

All: -213.321+/-126.357 χ^2/NDF: 86.2/81



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

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

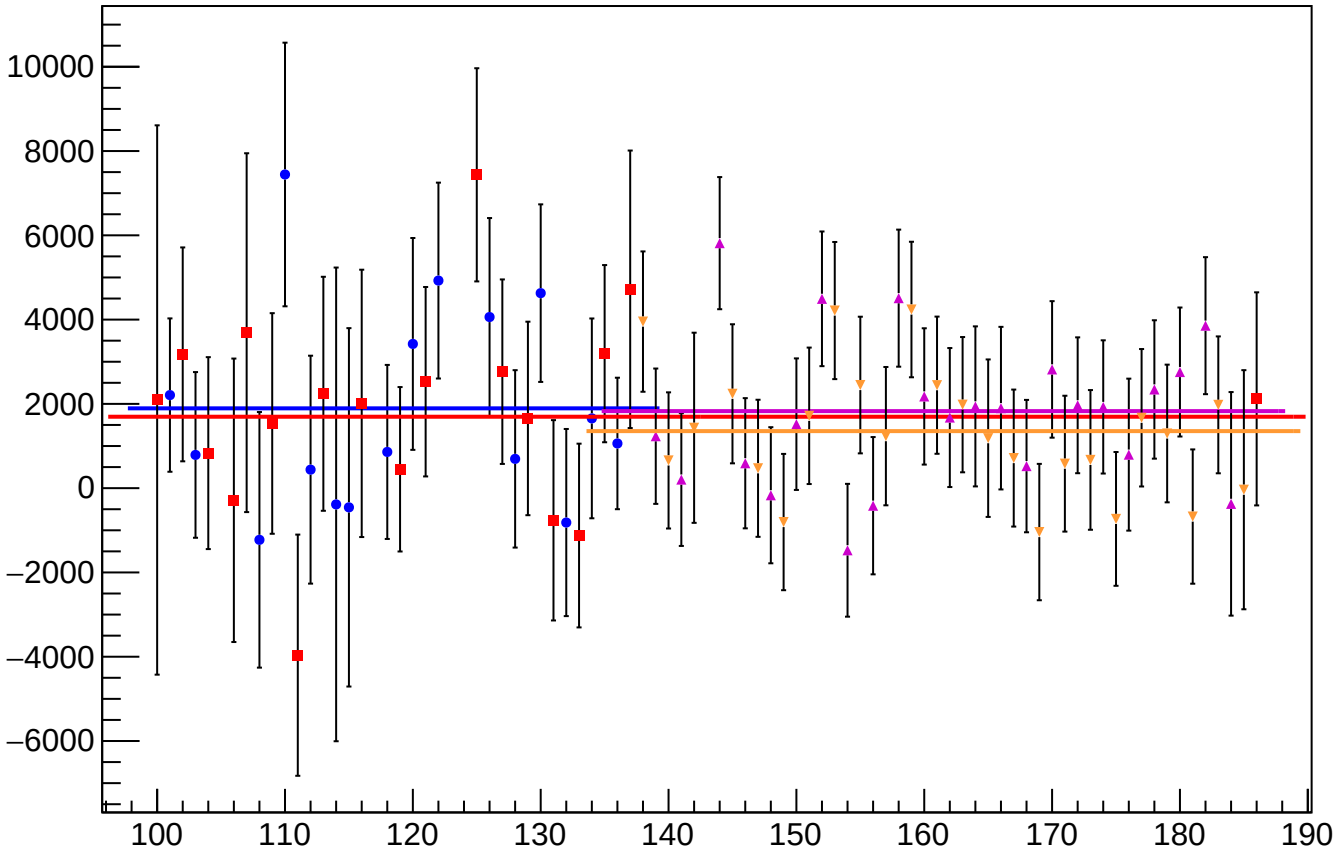
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 765.475+/-0.153 χ^2/NDF: 4581020.6/34

In: 808.163+/-0.123 χ^2/NDF:7342544.5/38

Out: 885.410+/-0.130 χ^2/NDF:5698865.1/42

All: 844.555+/-0.089 χ^2/NDF: 13227655.6/81



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

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

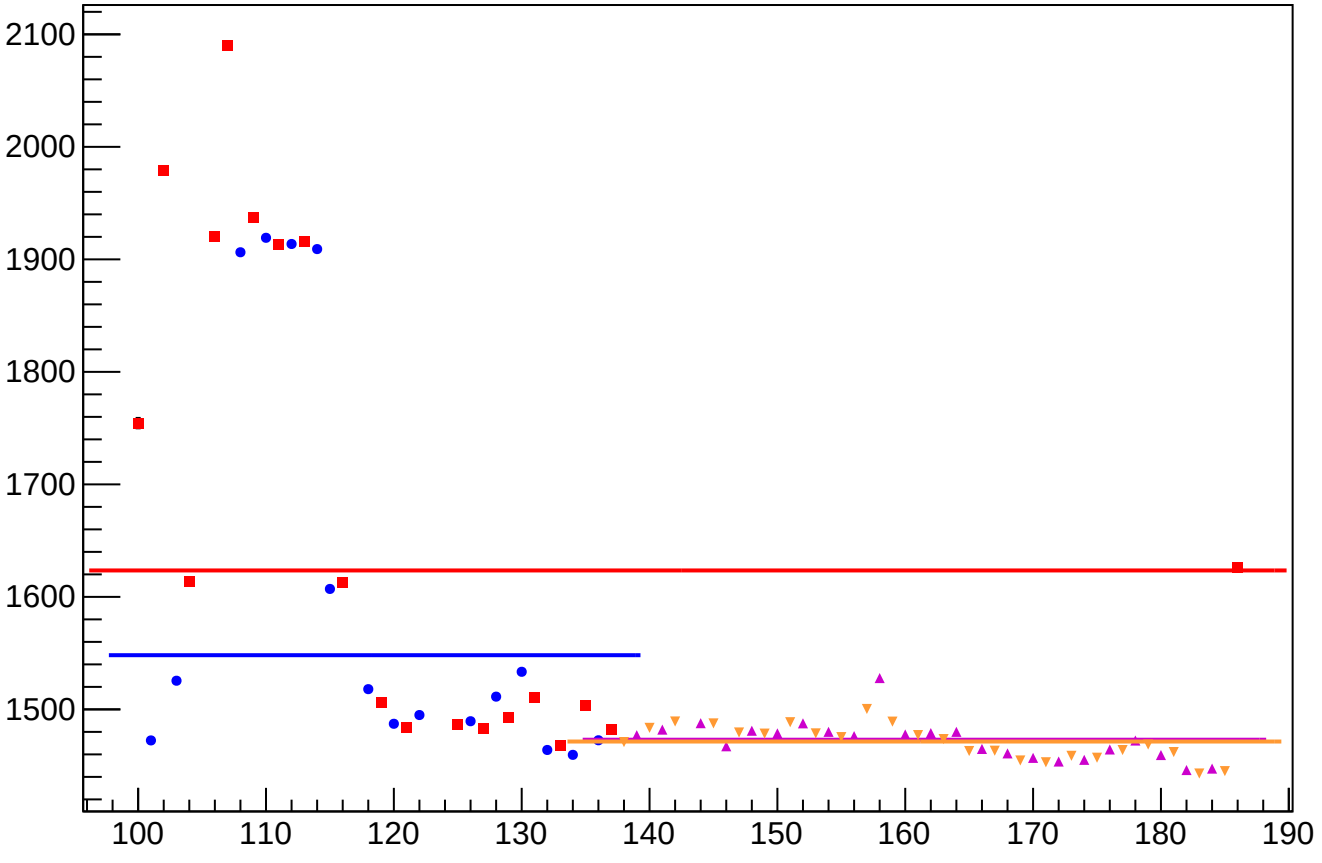
Right: 1796.488+/-412.146 χ^2/NDF: 27.4/34

In: 1845.505+/-295.528 χ^2/NDF:38.1/38

Out: 1439.795+/-295.383 χ^2/NDF:34.3/42

All: 1642.551+/-208.919 χ^2/NDF: 73.3/81

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 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

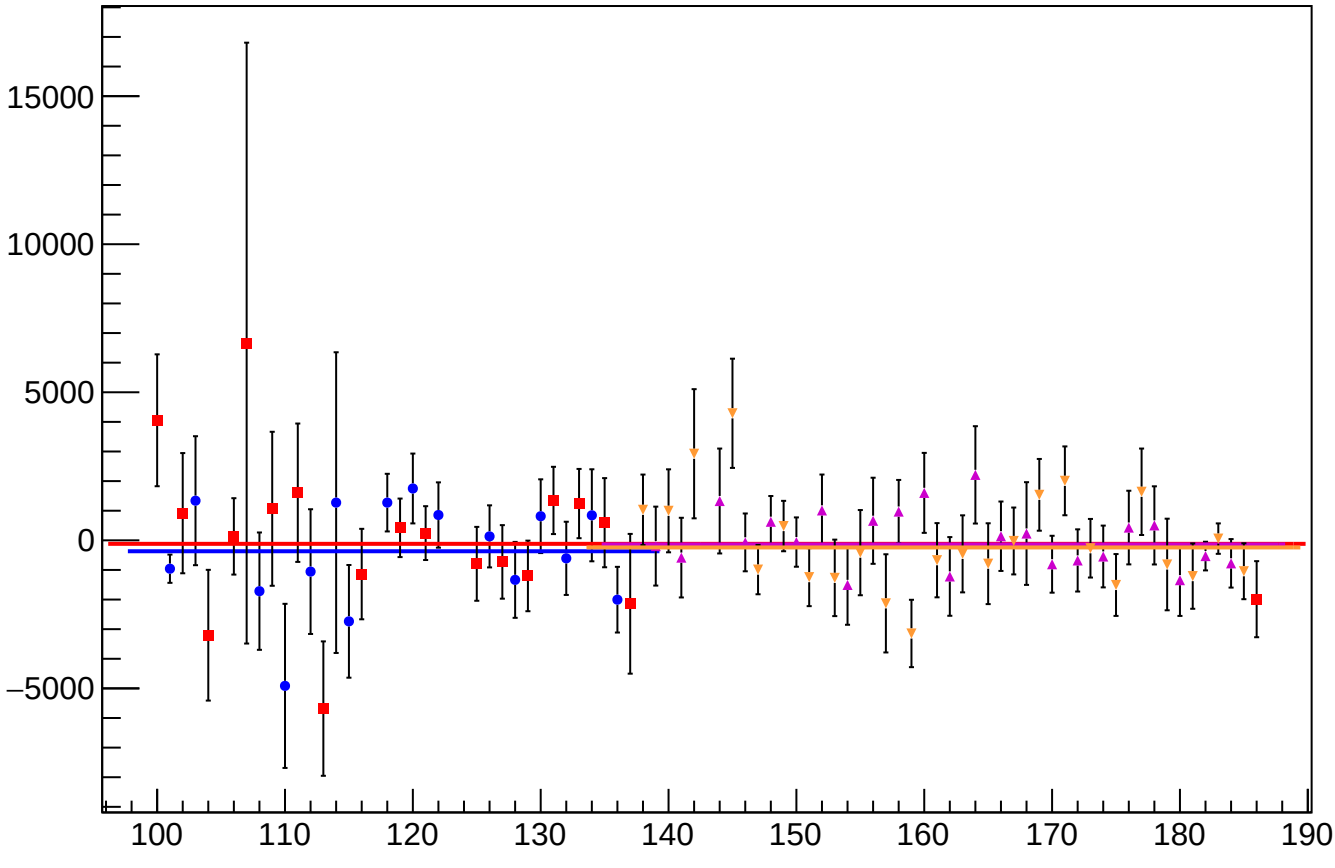
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1585.149+/-0.291 χ^2/NDF: 348136.4/34

In: 1492.713+/-0.209 χ^2/NDF:149631.3/38

Out: 1509.779+/-0.209 χ^2/NDF:314918.3/42

All: 1501.250+/-0.148 χ^2/NDF: 467885.9/81



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

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

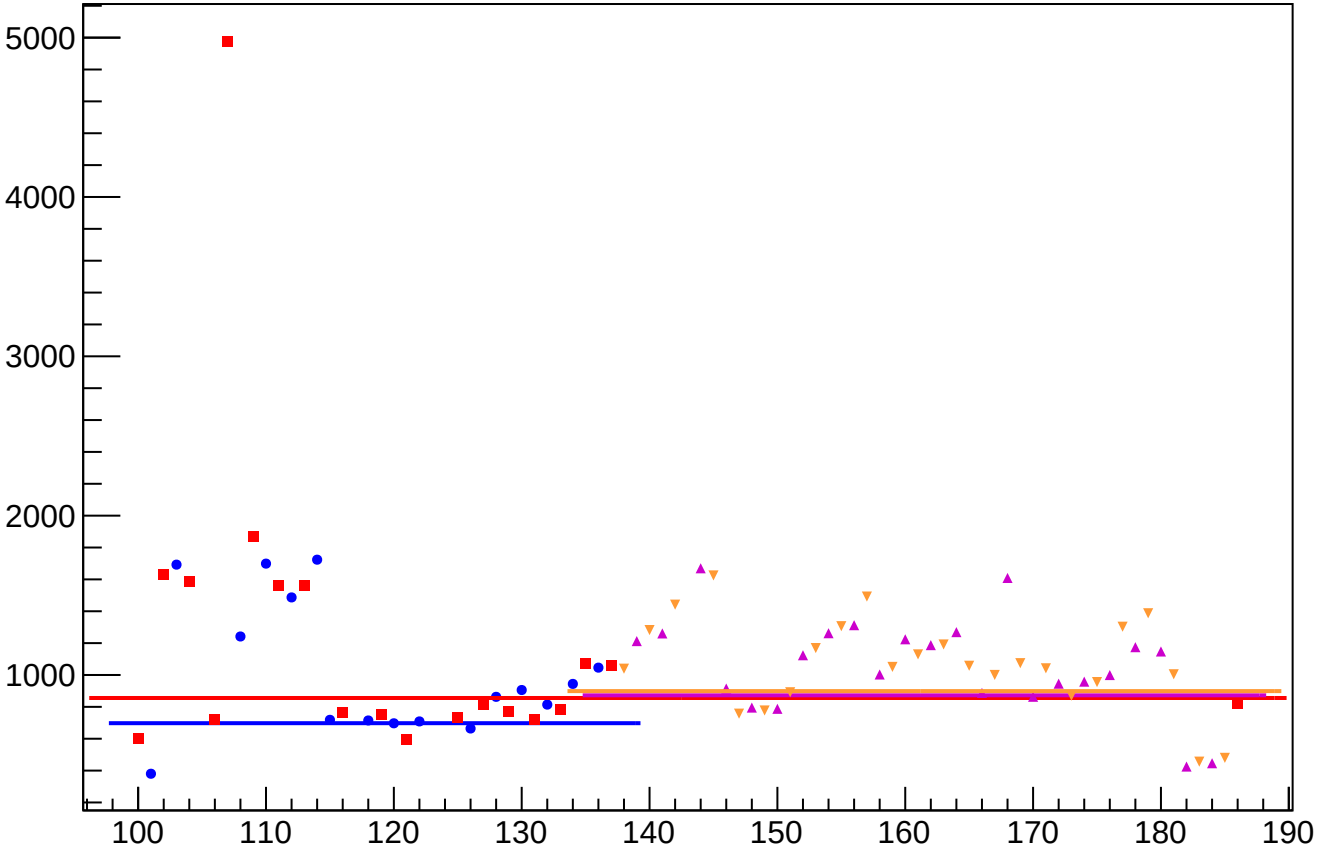
Right: -261.149+/-216.403 χ^2/NDF: 40.6/34

In: -223.068+/-173.745 χ^2/NDF:32.3/38

Out: -202.378+/-184.094 χ^2/NDF:53.9/42

All: -213.321+/-126.357 χ^2/NDF: 86.2/81

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 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

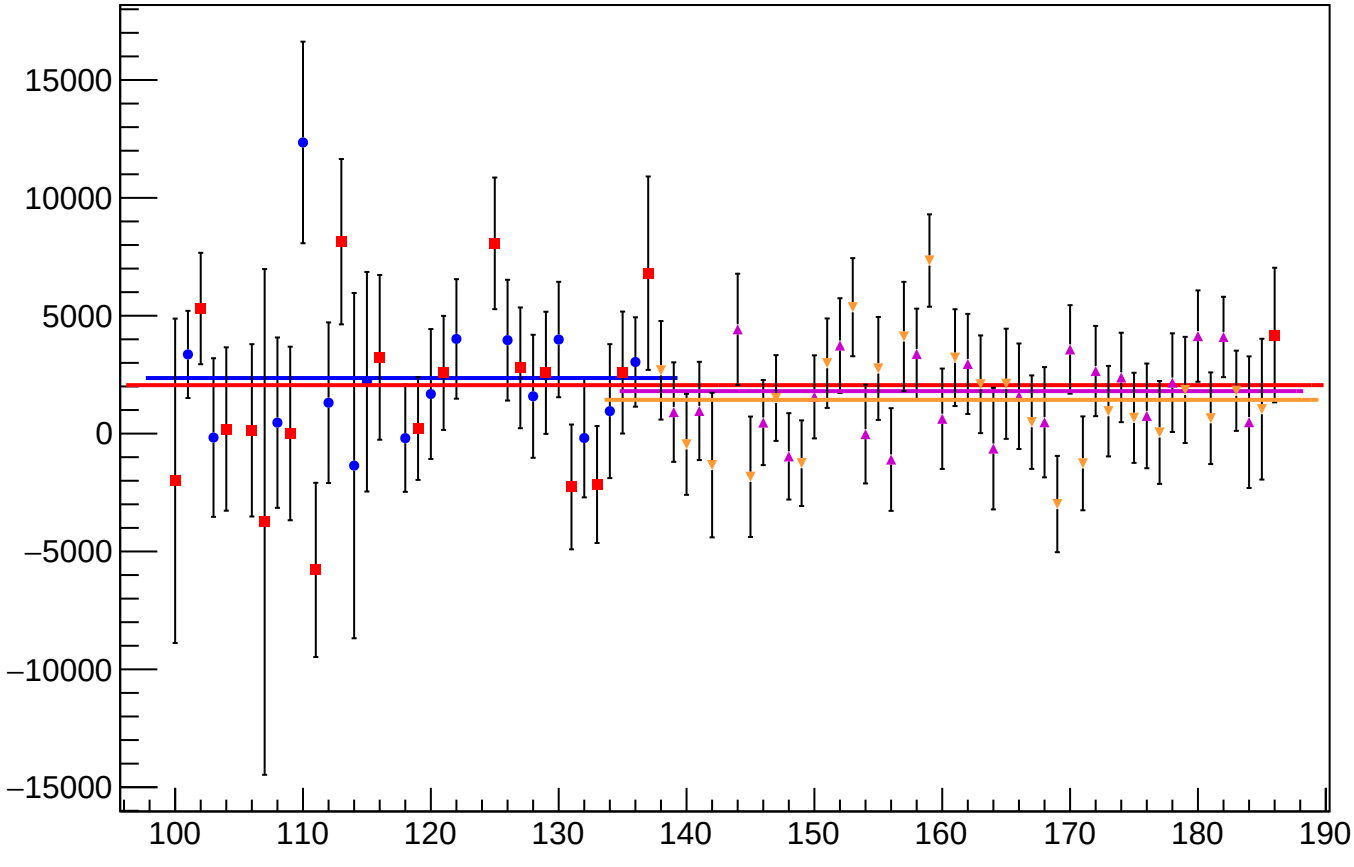
Right: 765.474+/-0.153 χ^2/NDF: 4581018.5/34

In: 808.164+/-0.123 χ^2/NDF:7342549.6/38

Out: 885.410+/-0.130 χ^2/NDF:5698885.5/42

All: 844.555+/-0.089 χ^2/NDF: 13227679.2/81

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

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

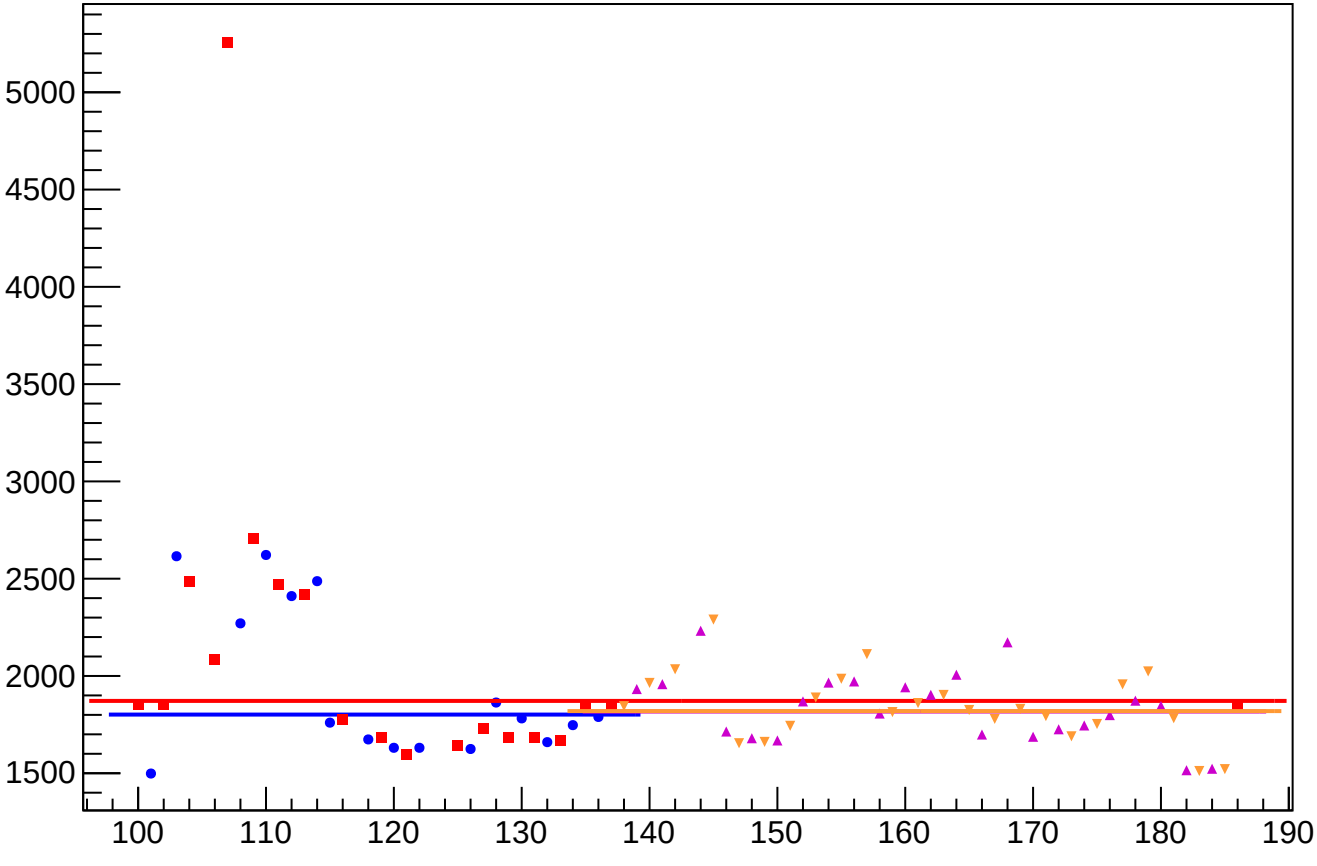
Right: 2207.633+/-482.594 χ^2/NDF: 35.1/34

In: 1958.702+/-361.143 χ^2/NDF:26.8/38

Out: 1605.429+/-360.969 χ^2/NDF:54.0/42

All: 1781.980+/-255.305 χ^2/NDF: 81.3/81

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

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

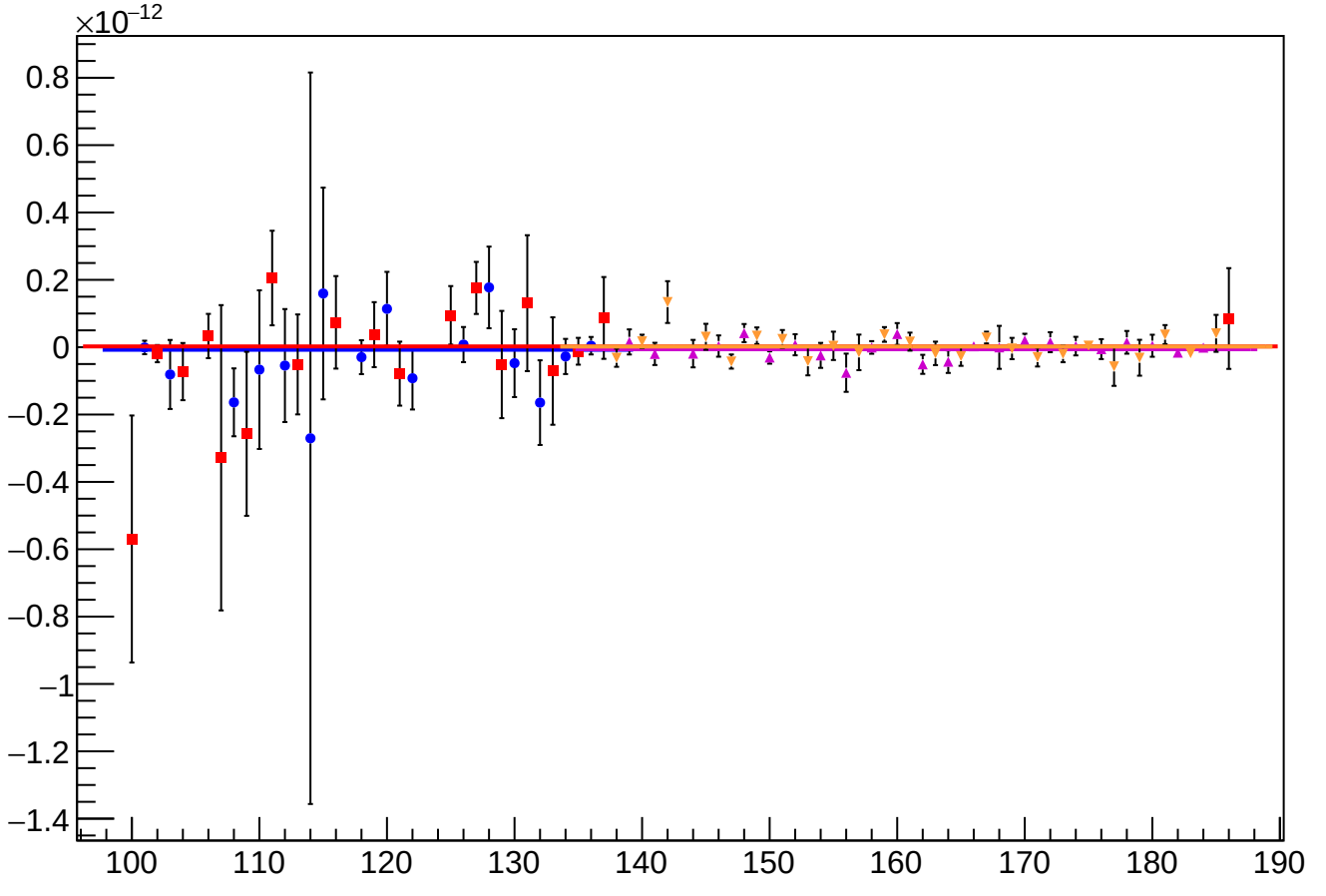
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1836.282+/-0.341 χ^2/NDF: 981540.1/34

In: 1812.724+/-0.255 χ^2/NDF:708564.0/38

Out: 1833.909+/-0.255 χ^2/NDF:873683.1/42

All: 1823.322+/-0.181 χ^2/NDF: 1585689.9/81



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

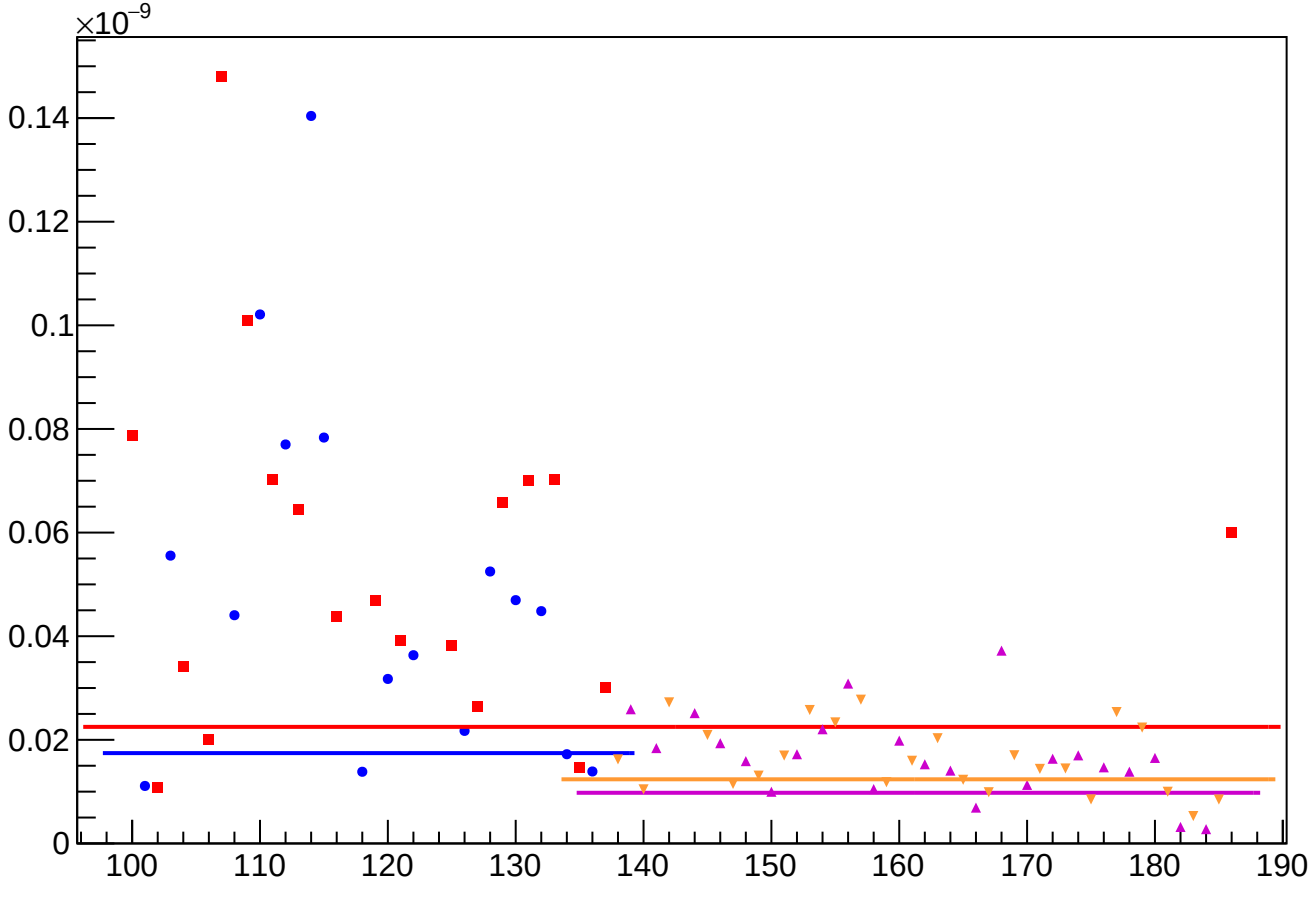
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: -0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:28.2/38

Out: 0.000+/-0.000 χ^2/NDF:46.3/42

All: -0.000+/-0.000 χ^2/NDF: 76.0/81



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2225948.2/18

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

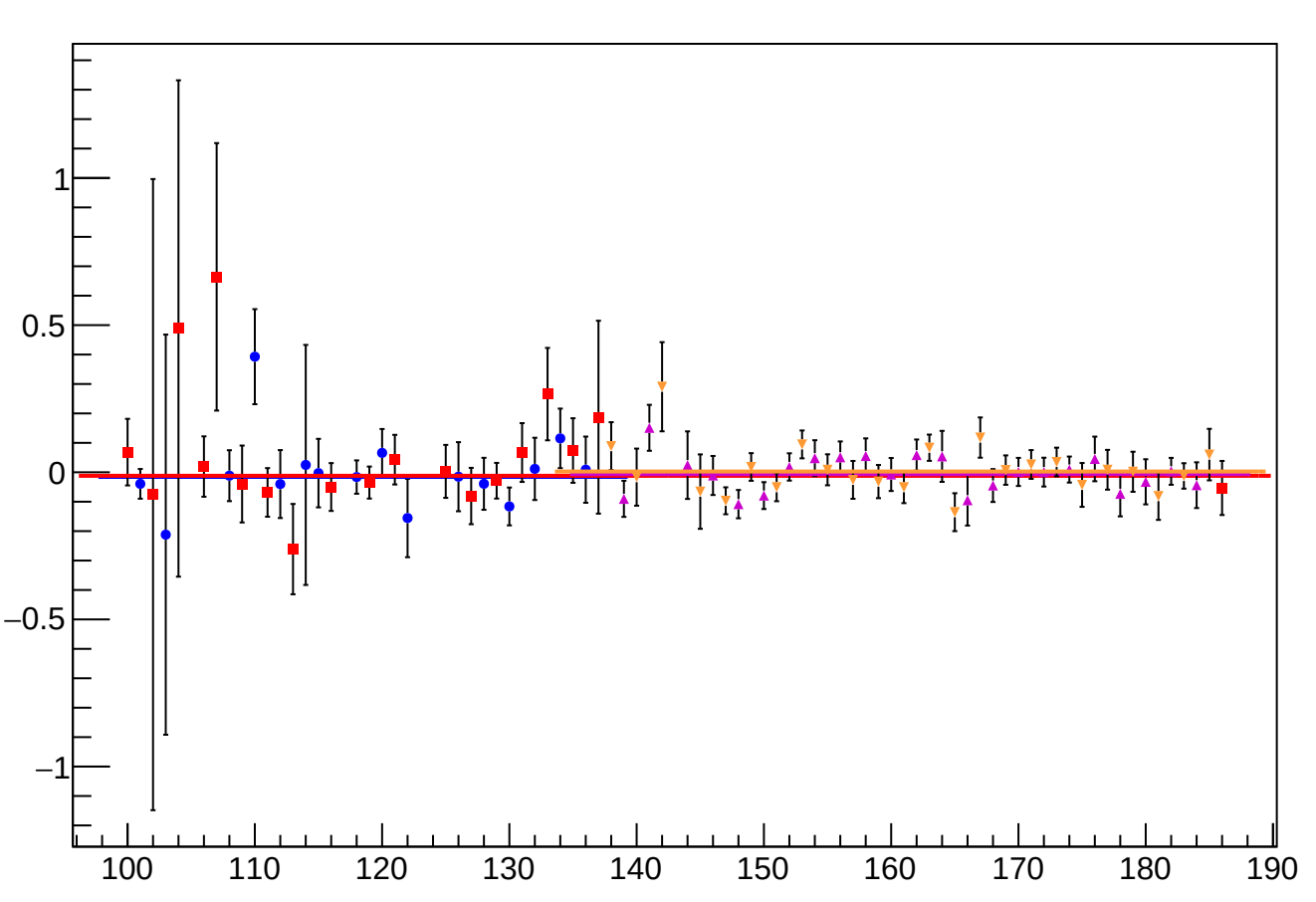
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4176830.7/34

In: 0.000+/-0.000 χ^2/NDF:6944540.8/38

Out: 0.000+/-0.000 χ^2/NDF:4767461.9/42

All: 0.000+/-0.000 χ^2/NDF: 12024935.7/81



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

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

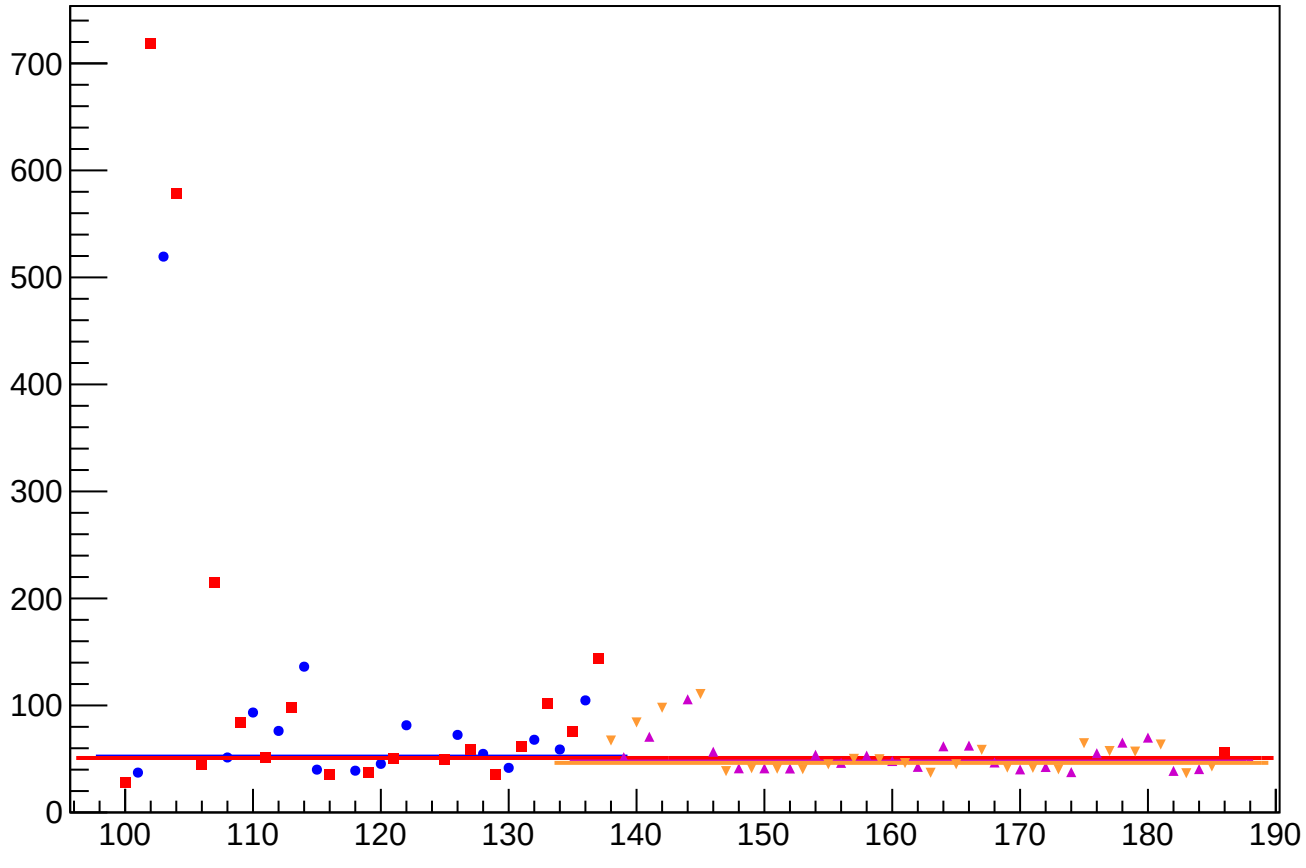
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.014+/-0.016 χ^2/NDF: 25.9/34

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.004+/-0.008 χ^2/NDF: 78.1/81



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

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

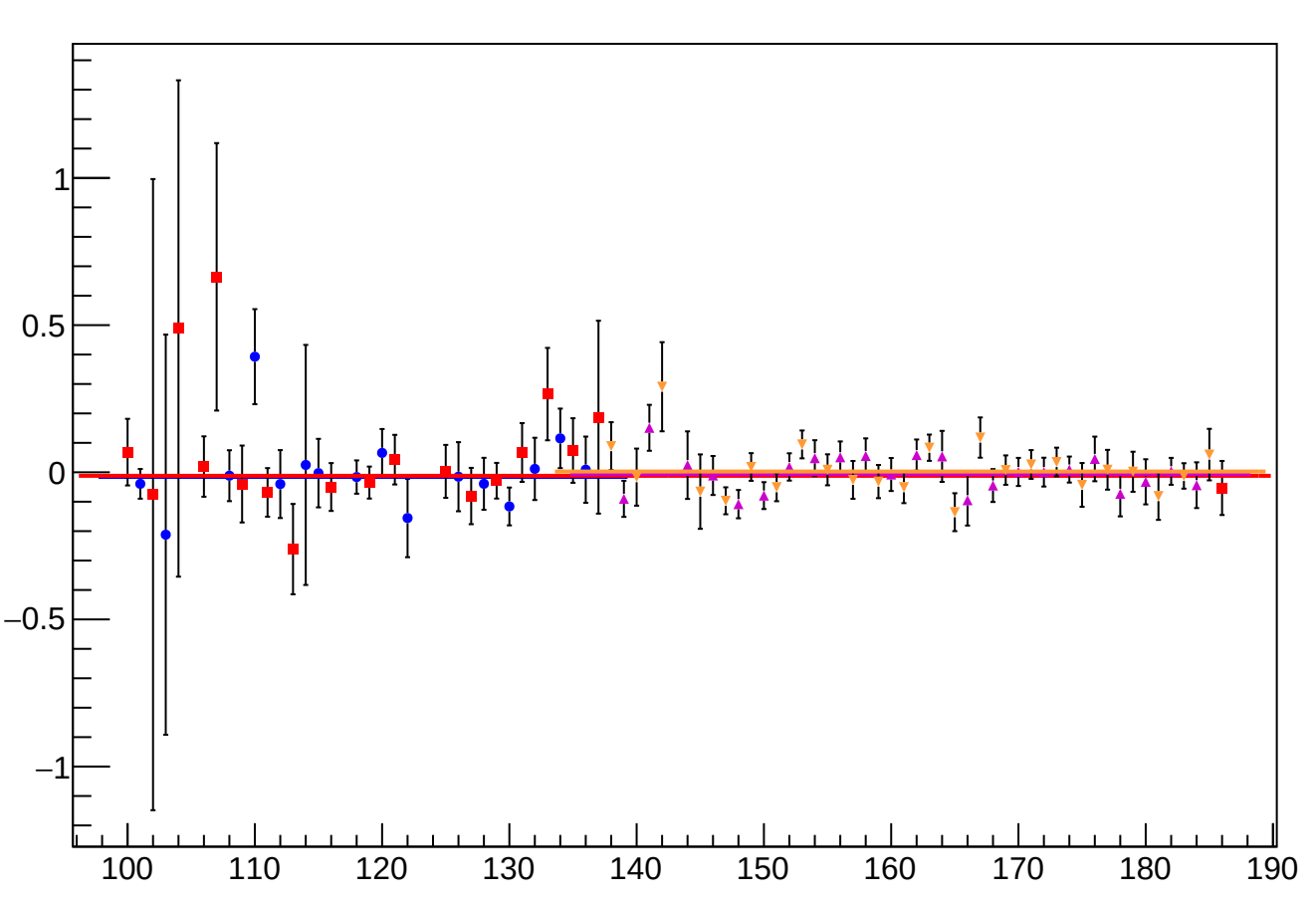
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 51.552+/-0.011 χ^2/NDF: 5327431.2/34

In: 48.605+/-0.008 χ^2/NDF:3907692.5/38

Out: 47.323+/-0.007 χ^2/NDF:5087350.4/42

All: 47.955+/-0.005 χ^2/NDF: 9009604.1/81



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

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

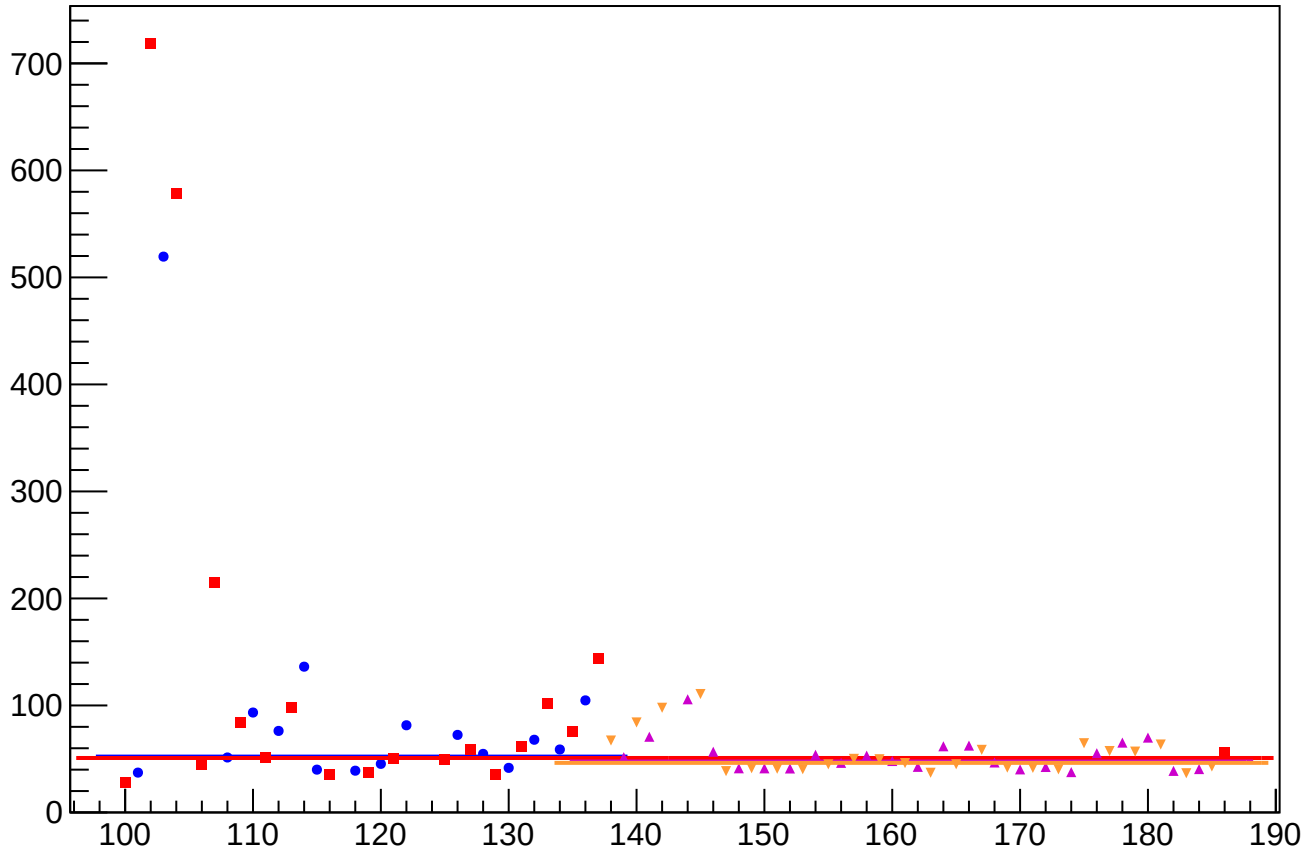
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.014+/-0.016 χ^2/NDF: 25.9/34

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.004+/-0.008 χ^2/NDF: 78.1/81



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

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

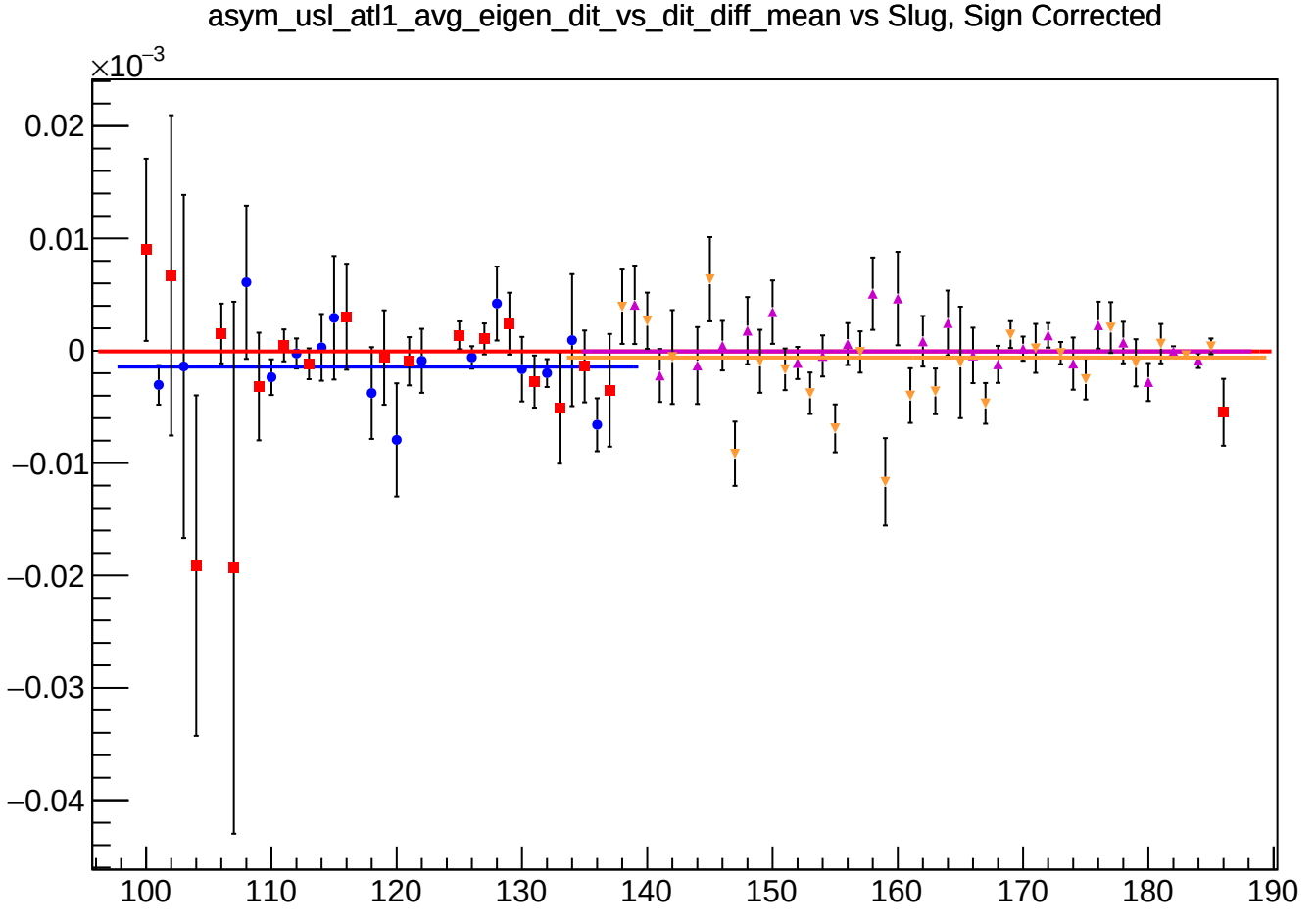
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 51.552+/-0.011 χ^2/NDF: 5327431.2/34

In: 48.605+/-0.008 χ^2/NDF:3907692.5/38

Out: 47.323+/-0.007 χ^2/NDF:5087350.4/42

All: 47.955+/-0.005 χ^2/NDF: 9009604.1/81



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

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

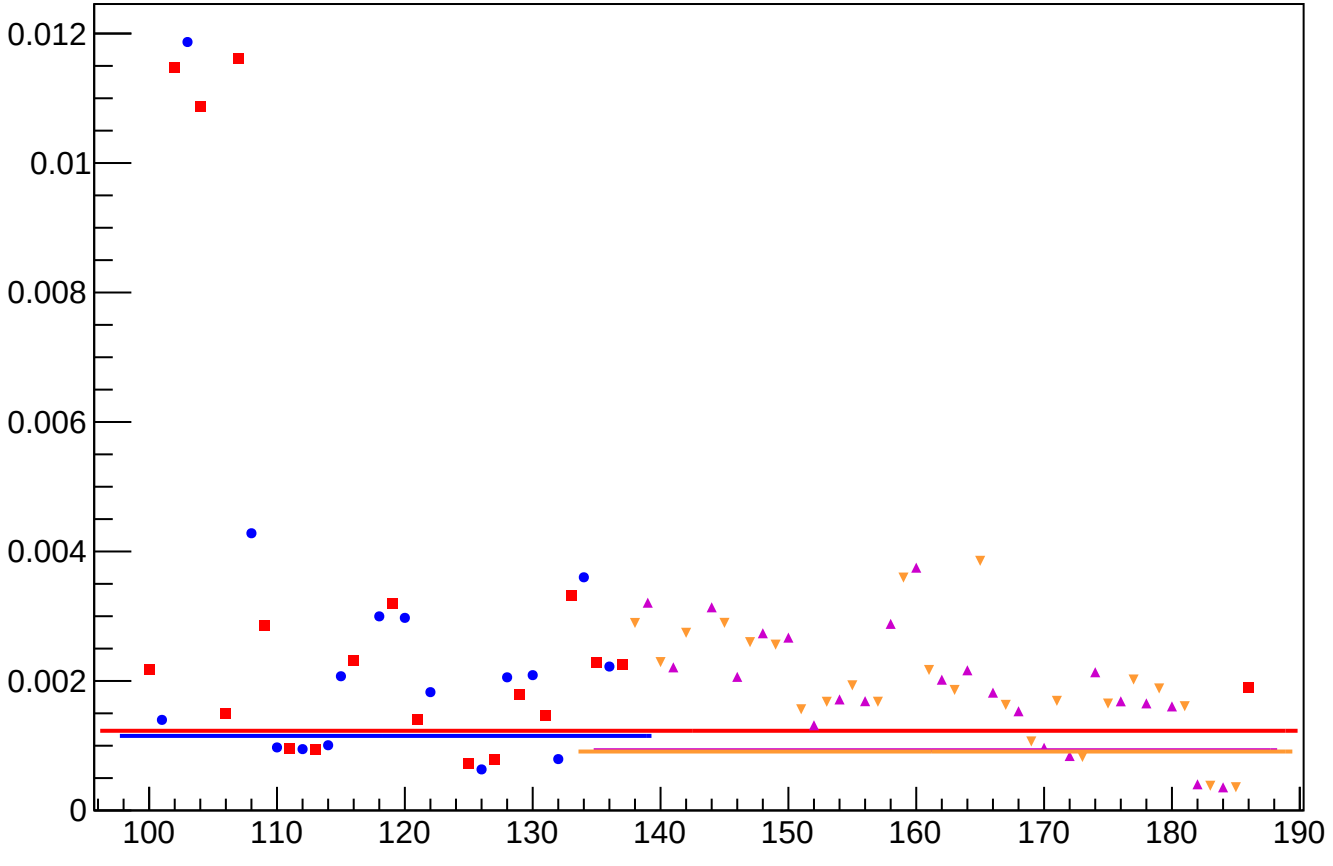
Right: -0.000+/-0.000 χ^2/NDF: 33.2/34

In: -0.000+/-0.000 χ^2/NDF:38.2/38

Out: -0.000+/-0.000 χ^2/NDF:69.8/42

All: -0.000+/-0.000 χ^2/NDF: 108.1/81

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.001+/-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

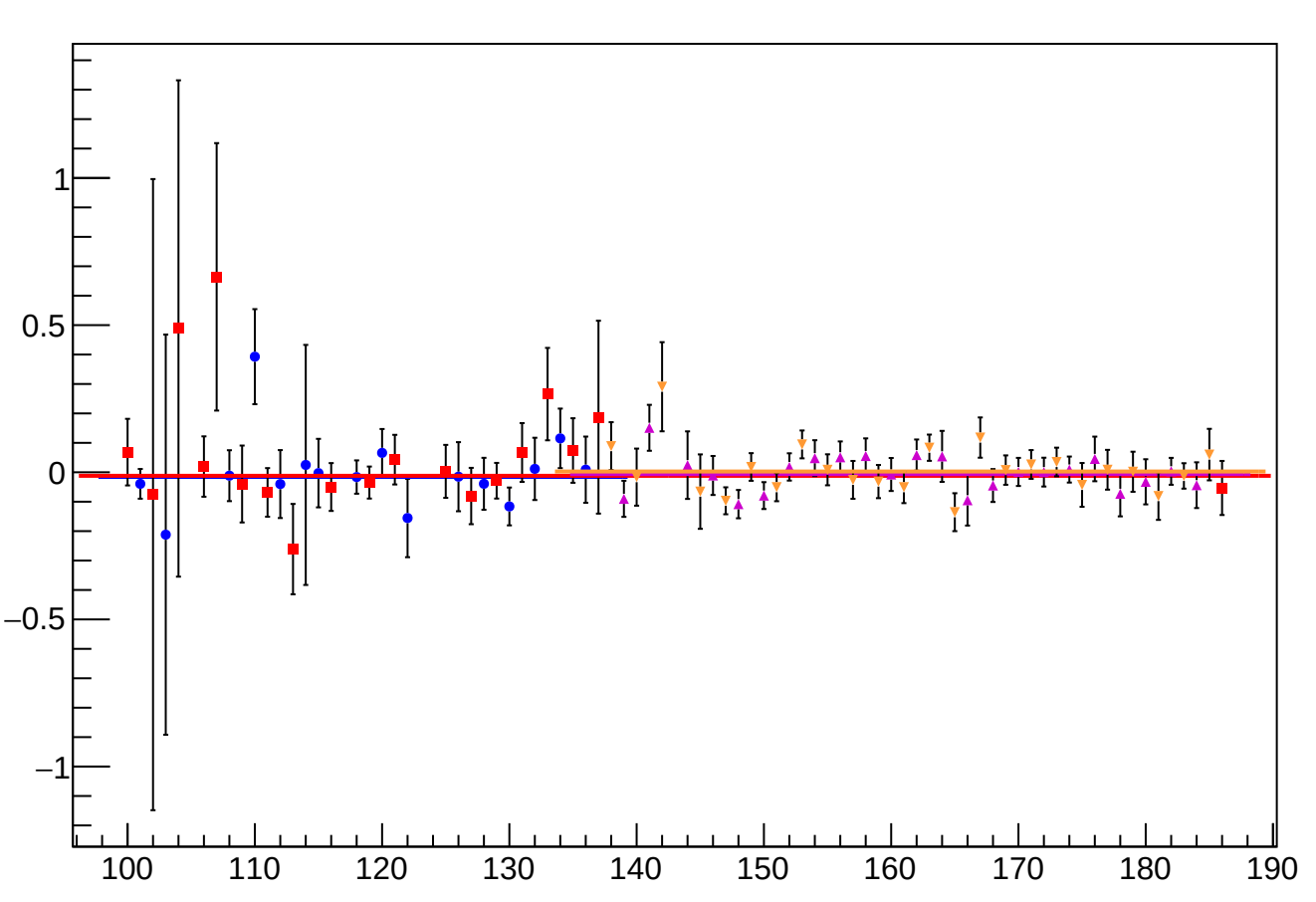
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 8835184.5/34

In: 0.001+/-0.000 χ^2/NDF:18160155.3/38

Out: 0.001+/-0.000 χ^2/NDF:19307381.0/42

All: 0.001+/-0.000 χ^2/NDF: 37468020.0/81



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

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

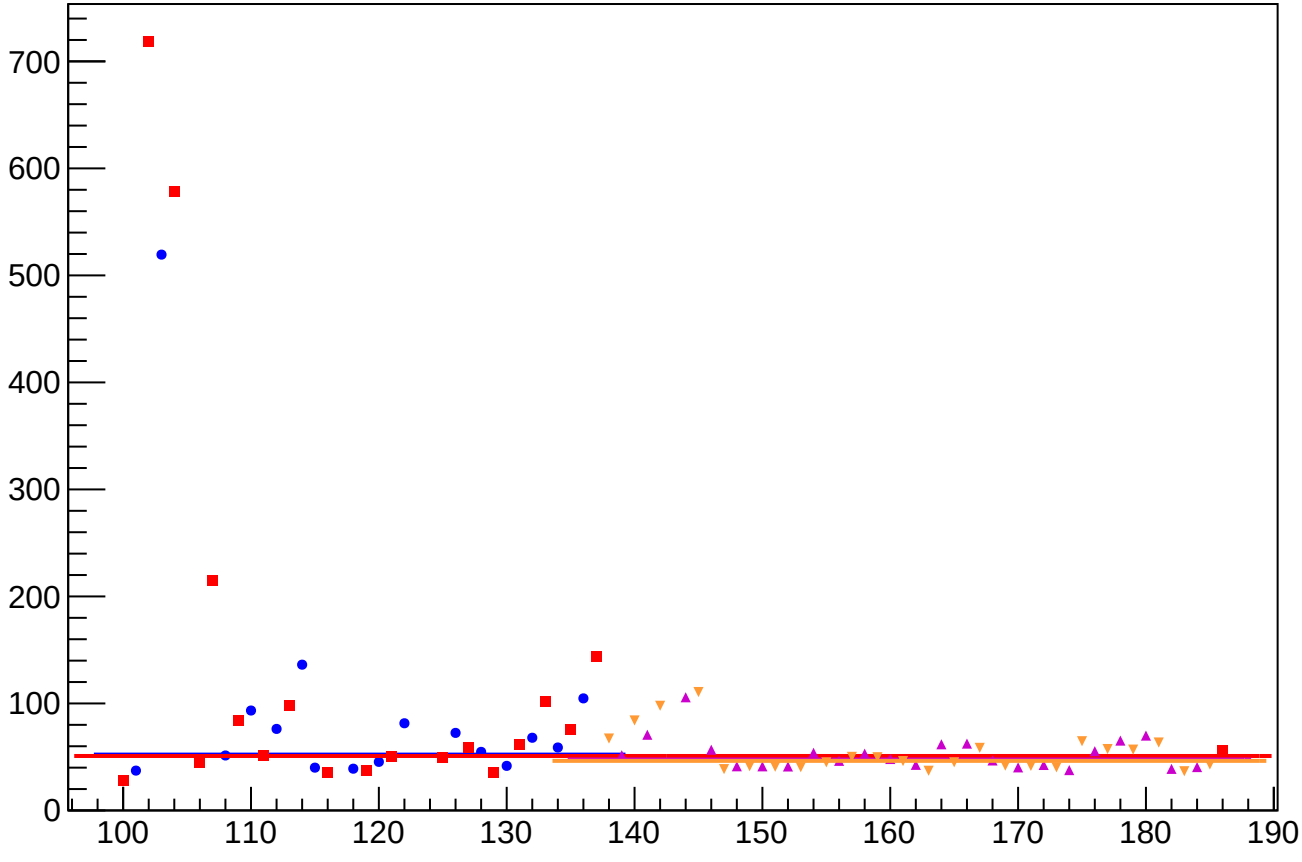
Right: -0.014+/-0.016 χ^2/NDF: 25.9/34

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.004+/-0.008 χ^2/NDF: 78.1/81

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 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

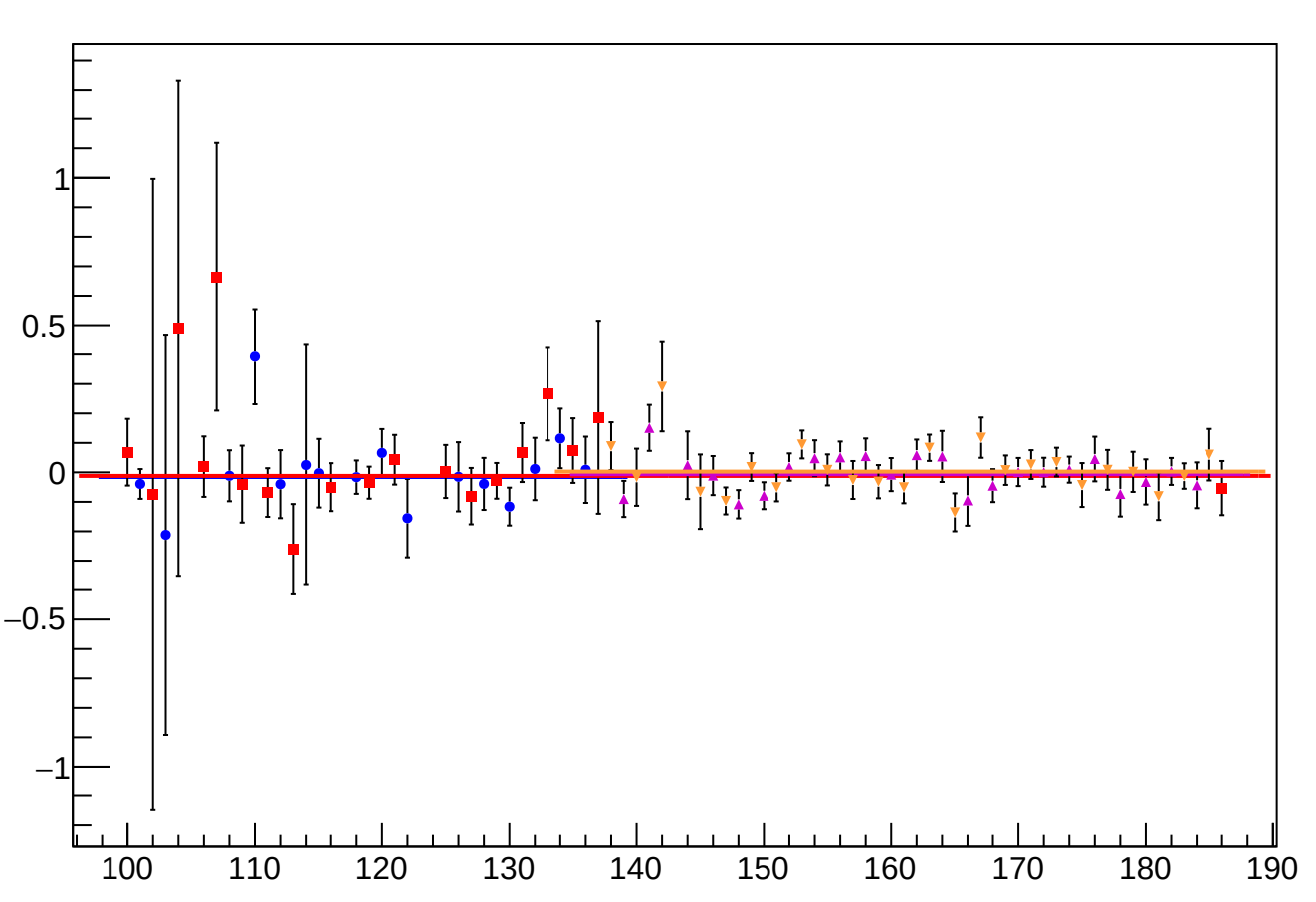
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 51.552+/-0.011 χ^2/NDF: 5327410.5/34

In: 48.605+/-0.008 χ^2/NDF:3907688.7/38

Out: 47.323+/-0.007 χ^2/NDF:5087311.8/42

All: 47.955+/-0.005 χ^2/NDF: 9009560.5/81



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

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

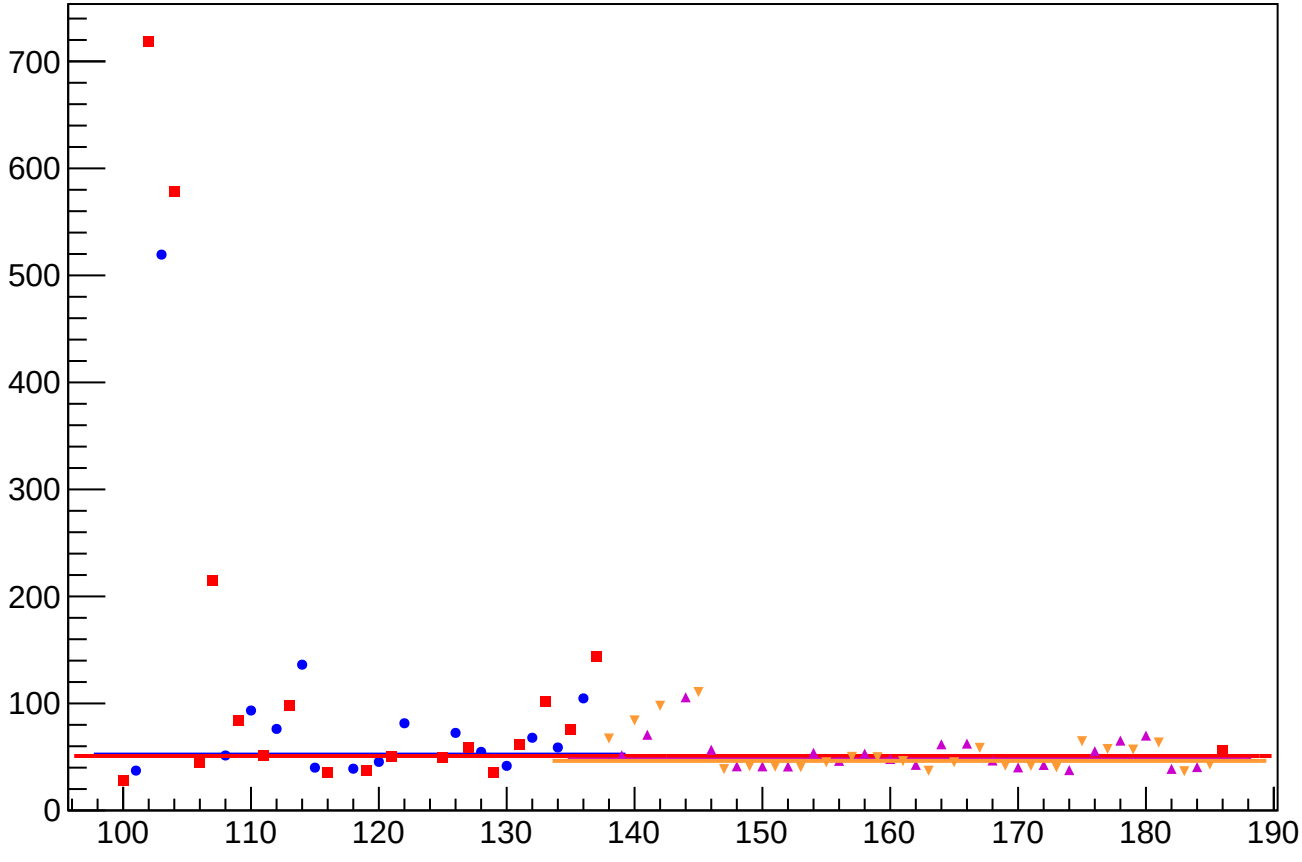
Right: -0.014+/-0.016 χ^2/NDF: 25.9/34

In: -0.008+/-0.011 χ^2/NDF:34.9/38

Out: -0.001+/-0.011 χ^2/NDF:42.9/42

All: -0.004+/-0.008 χ^2/NDF: 78.1/81

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 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

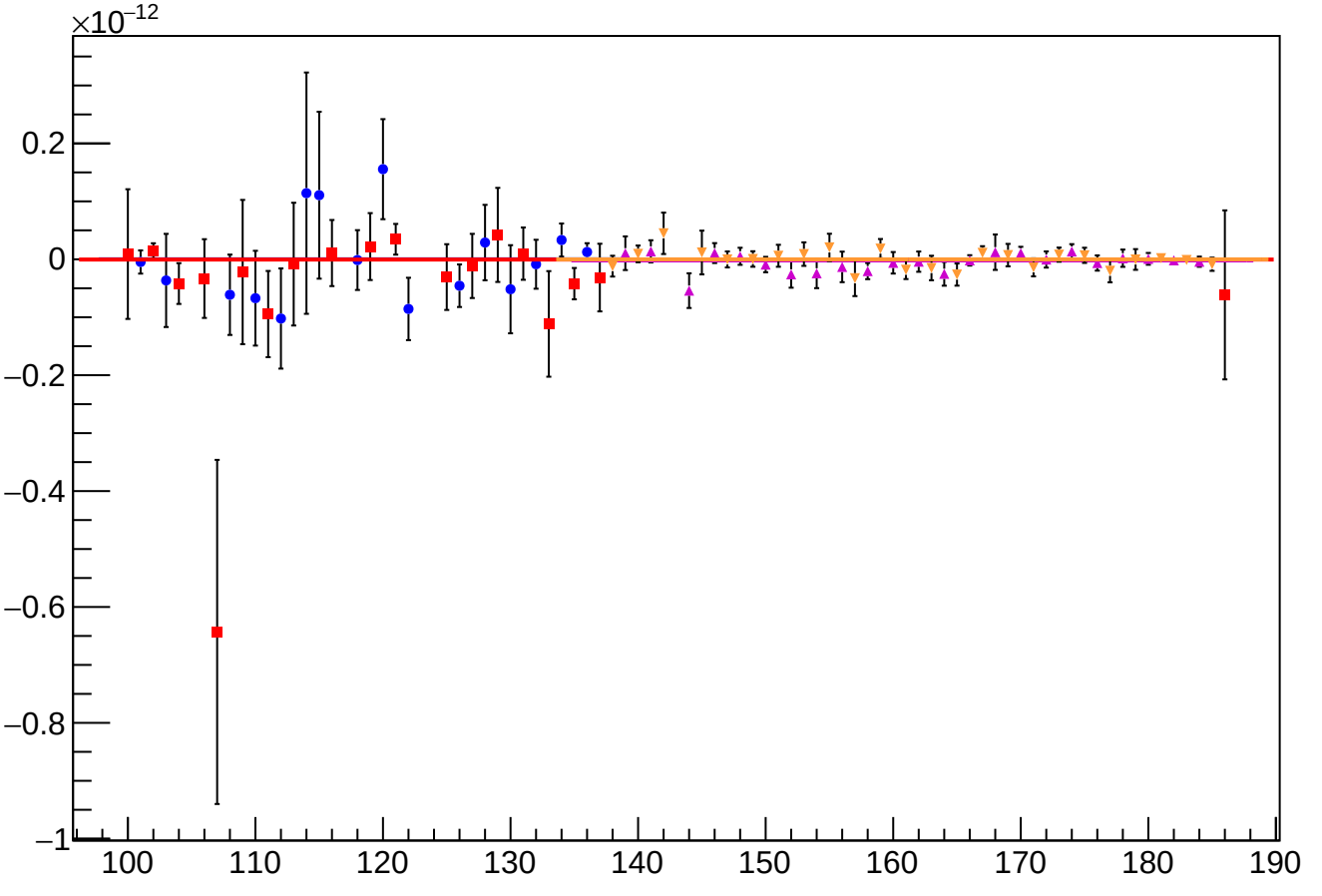
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 51.552+/-0.011 χ^2/NDF: 5327410.5/34

In: 48.605+/-0.008 χ^2/NDF:3907688.7/38

Out: 47.323+/-0.007 χ^2/NDF:5087311.8/42

All: 47.955+/-0.005 χ^2/NDF: 9009560.5/81



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

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

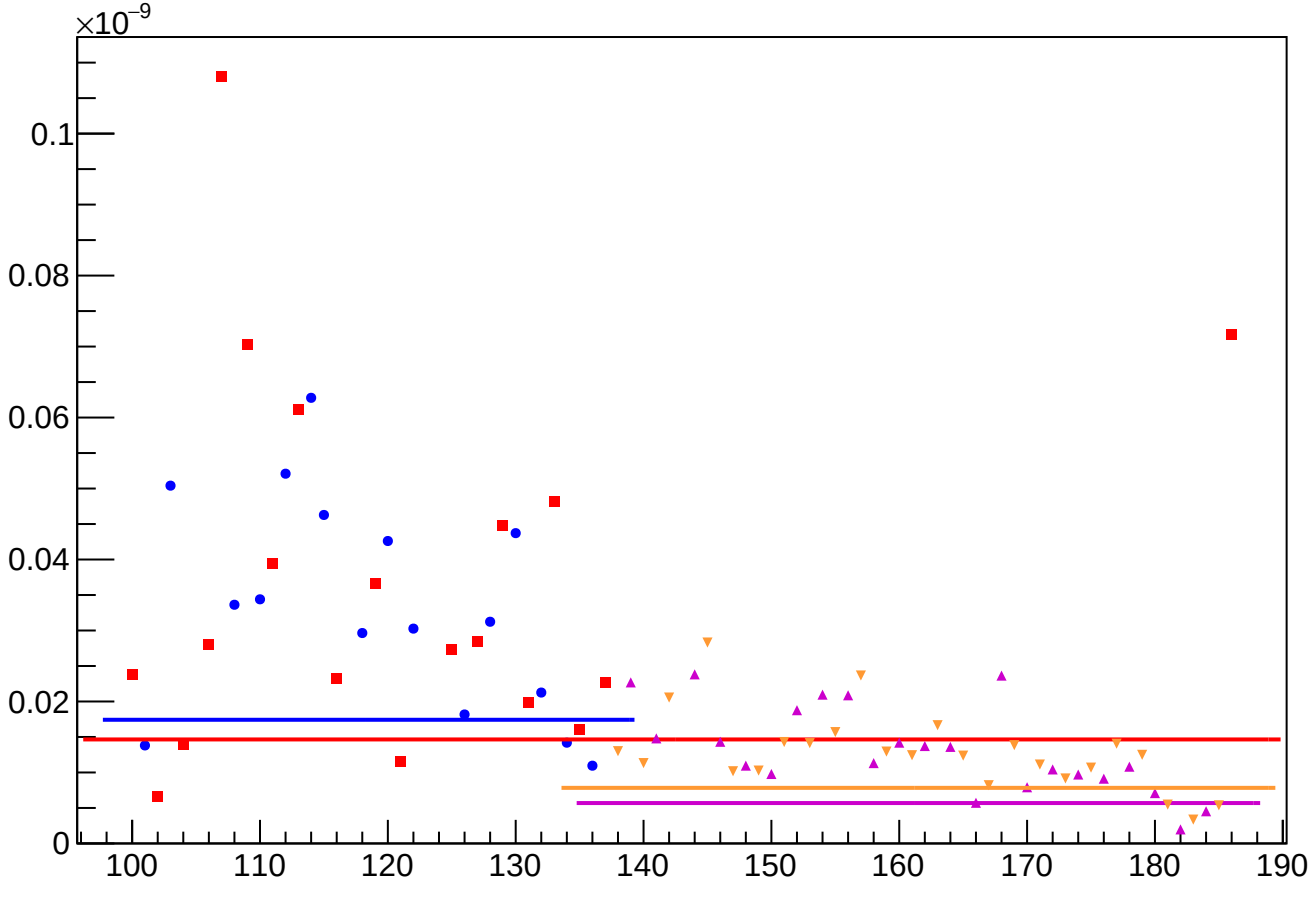
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: -0.000+/-0.000 χ^2/NDF: 30.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/38

Out: -0.000+/-0.000 χ^2/NDF:30.1/42

All: -0.000+/-0.000 χ^2/NDF: 57.8/81



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

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

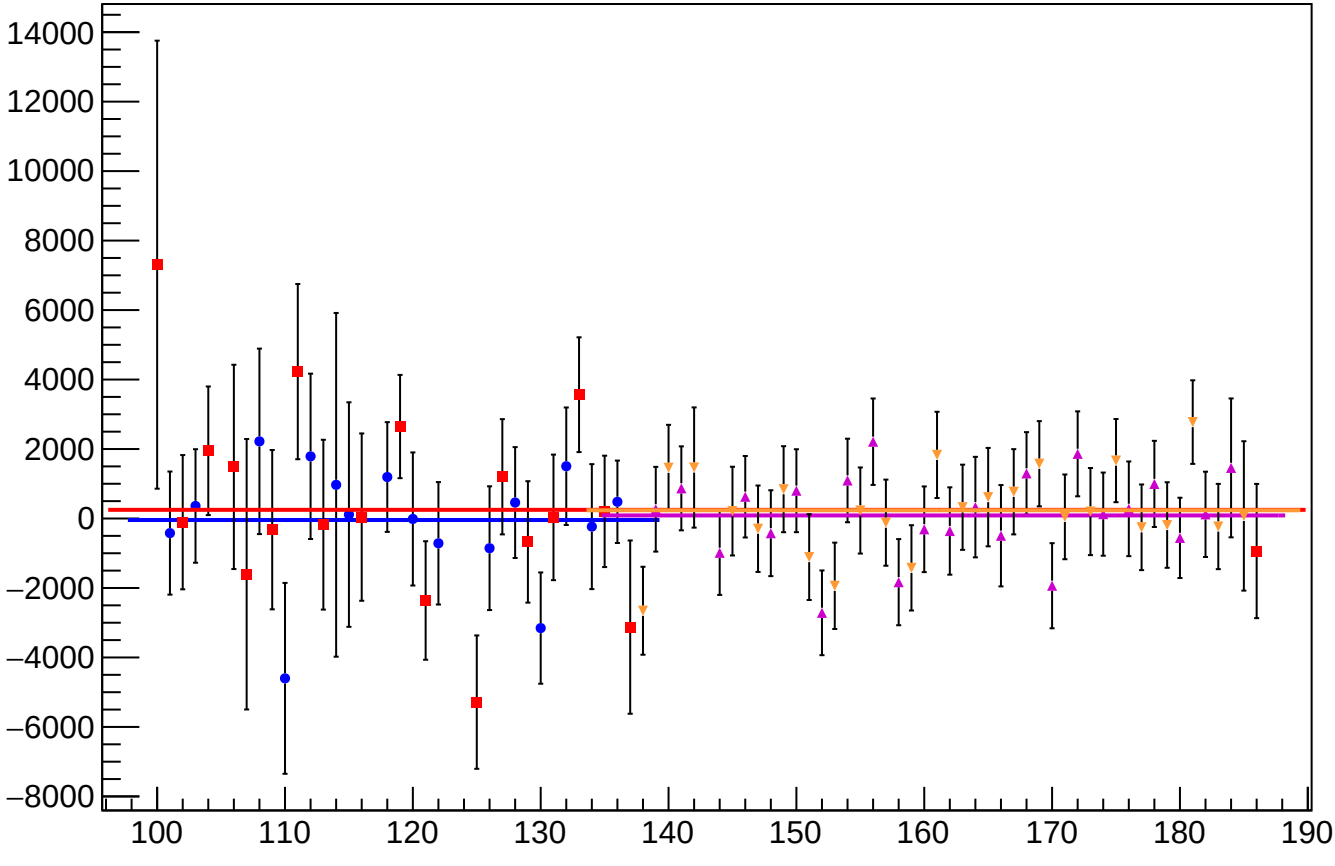
Right: 0.000+/-0.000 χ^2/NDF: 5883639.2/34

In: 0.000+/-0.000 χ^2/NDF:16391514.6/38

Out: 0.000+/-0.000 χ^2/NDF:11067402.7/42

All: 0.000+/-0.000 χ^2/NDF: 28300381.9/81

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

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

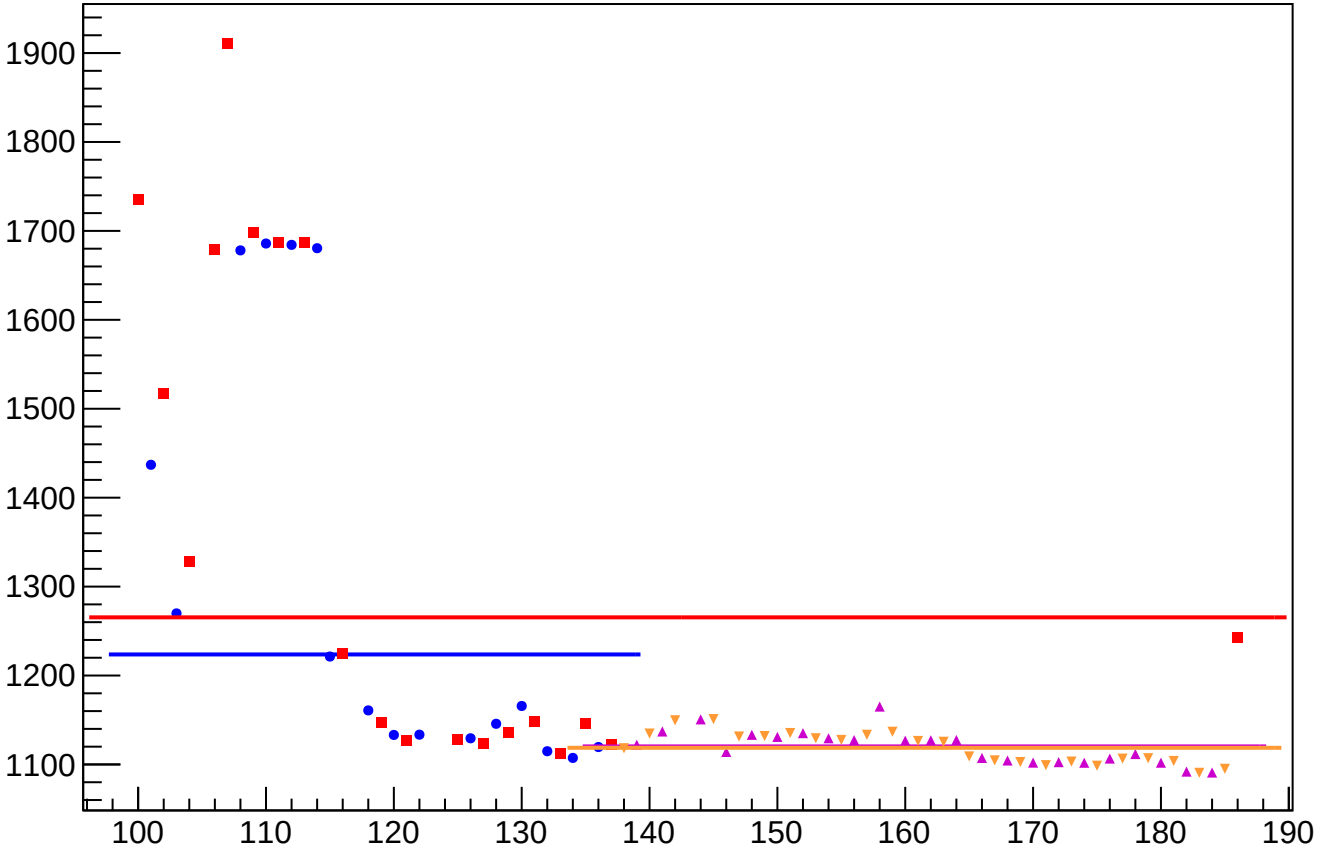
Right: 102.337+/-325.420 χ^2/NDF: 35.5/34

In: 56.024+/-227.307 χ^2/NDF:31.0/38

Out: 239.735+/-226.271 χ^2/NDF:47.9/42

All: 148.299+/-160.363 χ^2/NDF: 79.3/81

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.733+/-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

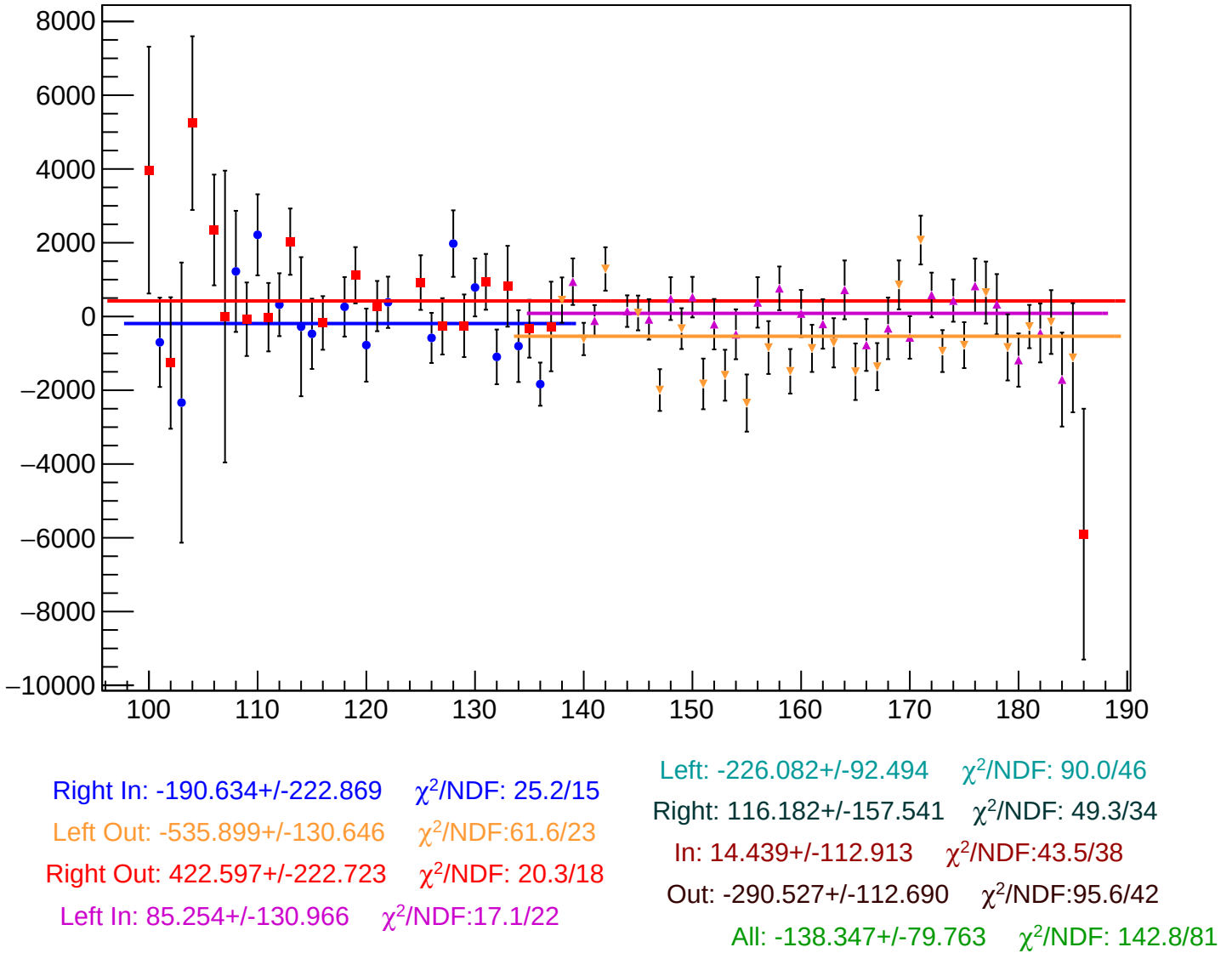
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

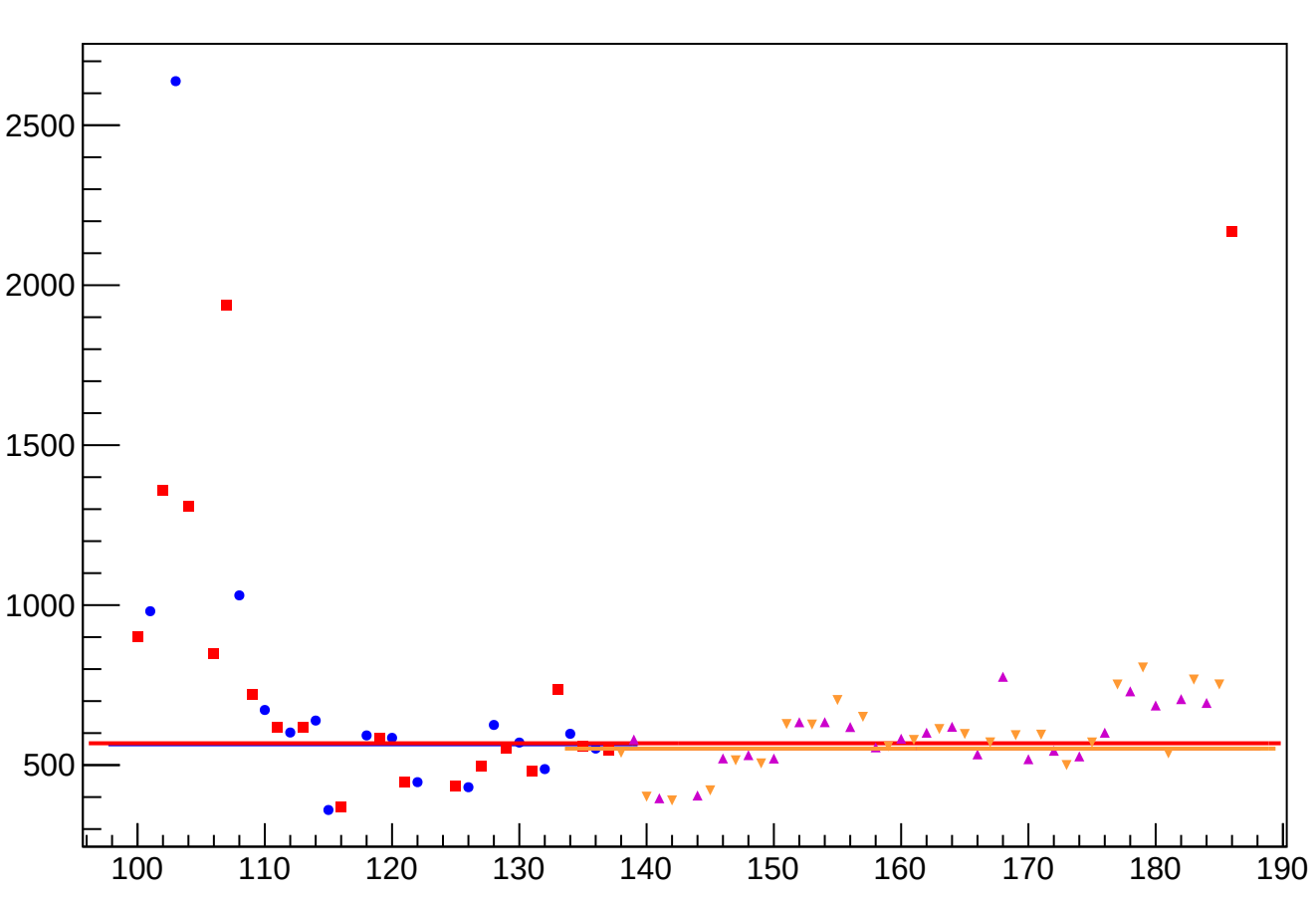
Right: 1244.475+/-0.230 χ^2/NDF: 736315.0/34

In: 1145.641+/-0.161 χ^2/NDF:380995.1/38

Out: 1154.040+/-0.160 χ^2/NDF:594959.6/42

All: 1149.860+/-0.113 χ^2/NDF: 977326.2/81


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: -190.634+/-222.869 χ²/NDF: 25.2/15
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: 116.182+/-157.541 χ²/NDF: 49.3/34
In: 14.439+/-112.913 χ²/NDF:43.5/38
Out: -290.527+/-112.690 χ²/NDF:95.6/42
All: -138.347+/-79.763 χ²/NDF: 142.8/81



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

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

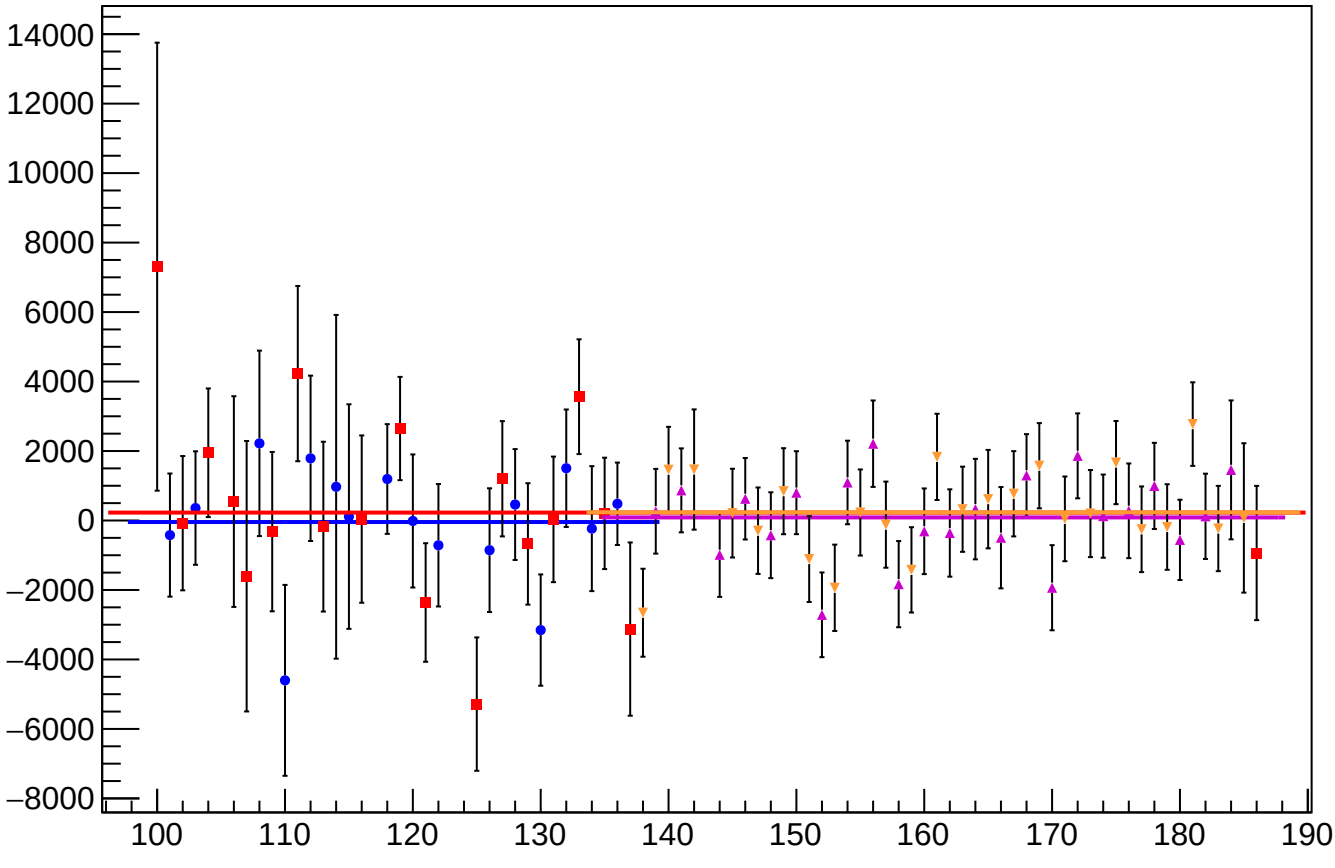
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 566.551+/-0.111 χ^2/NDF: 3082066.7/34

In: 554.833+/-0.080 χ^2/NDF:2351797.3/38

Out: 555.715+/-0.080 χ^2/NDF:3032367.2/42

All: 555.275+/-0.056 χ^2/NDF: 5384225.7/81



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

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

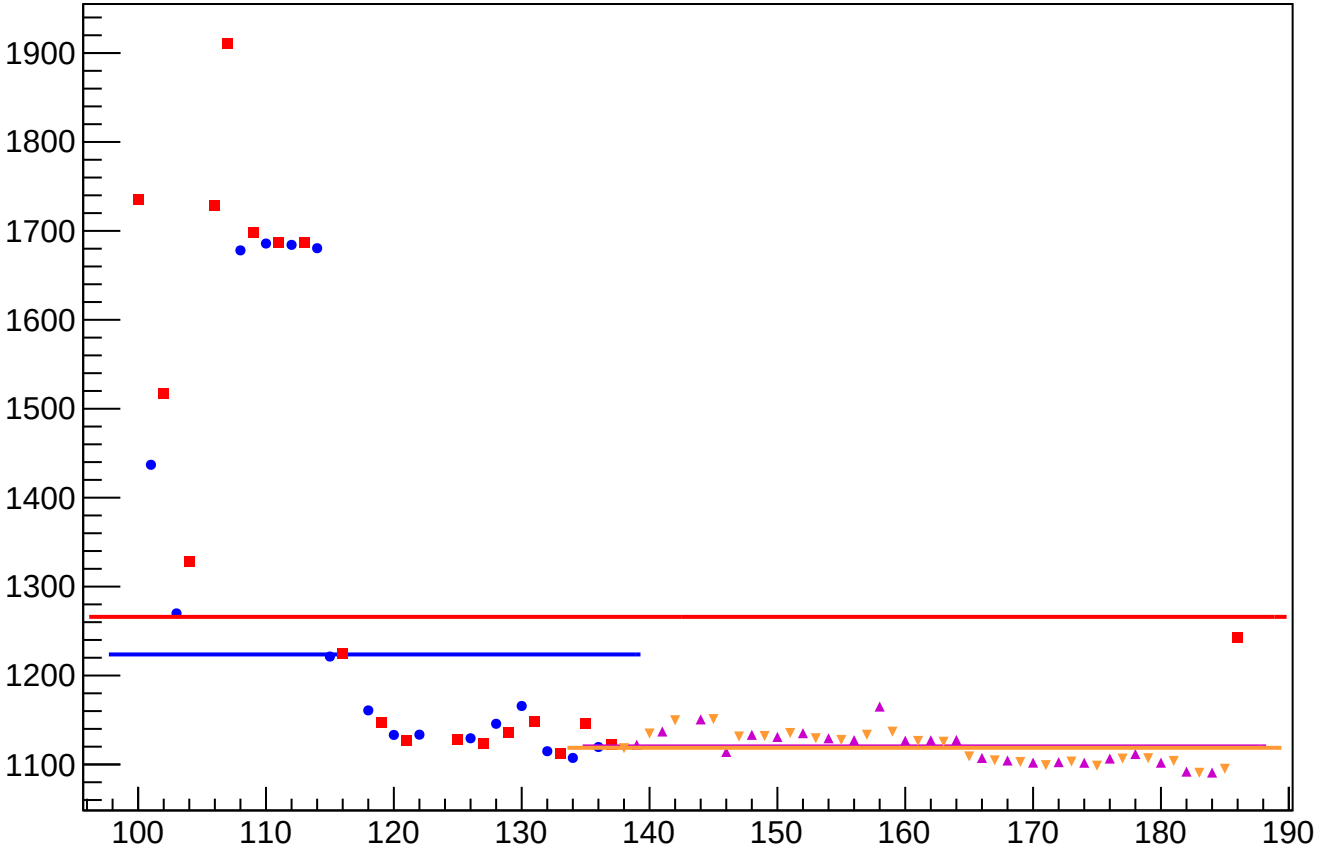
Right: 91.241+/-325.541 χ^2/NDF: 35.3/34

In: 55.957+/-227.307 χ^2/NDF:31.0/38

Out: 234.512+/-226.312 χ^2/NDF:47.7/42

All: 145.626+/-160.377 χ^2/NDF: 79.1/81

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1118.733+/-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

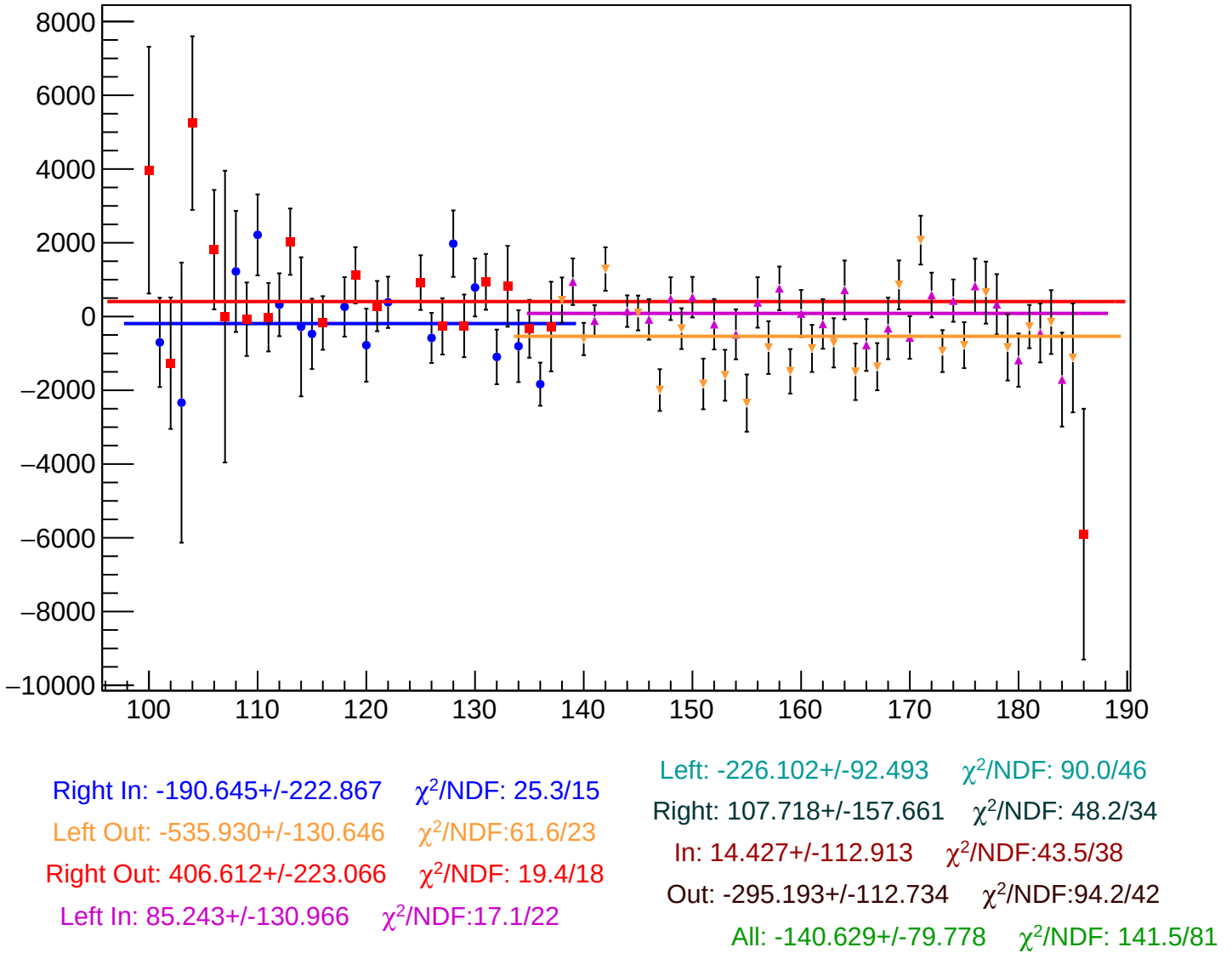
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

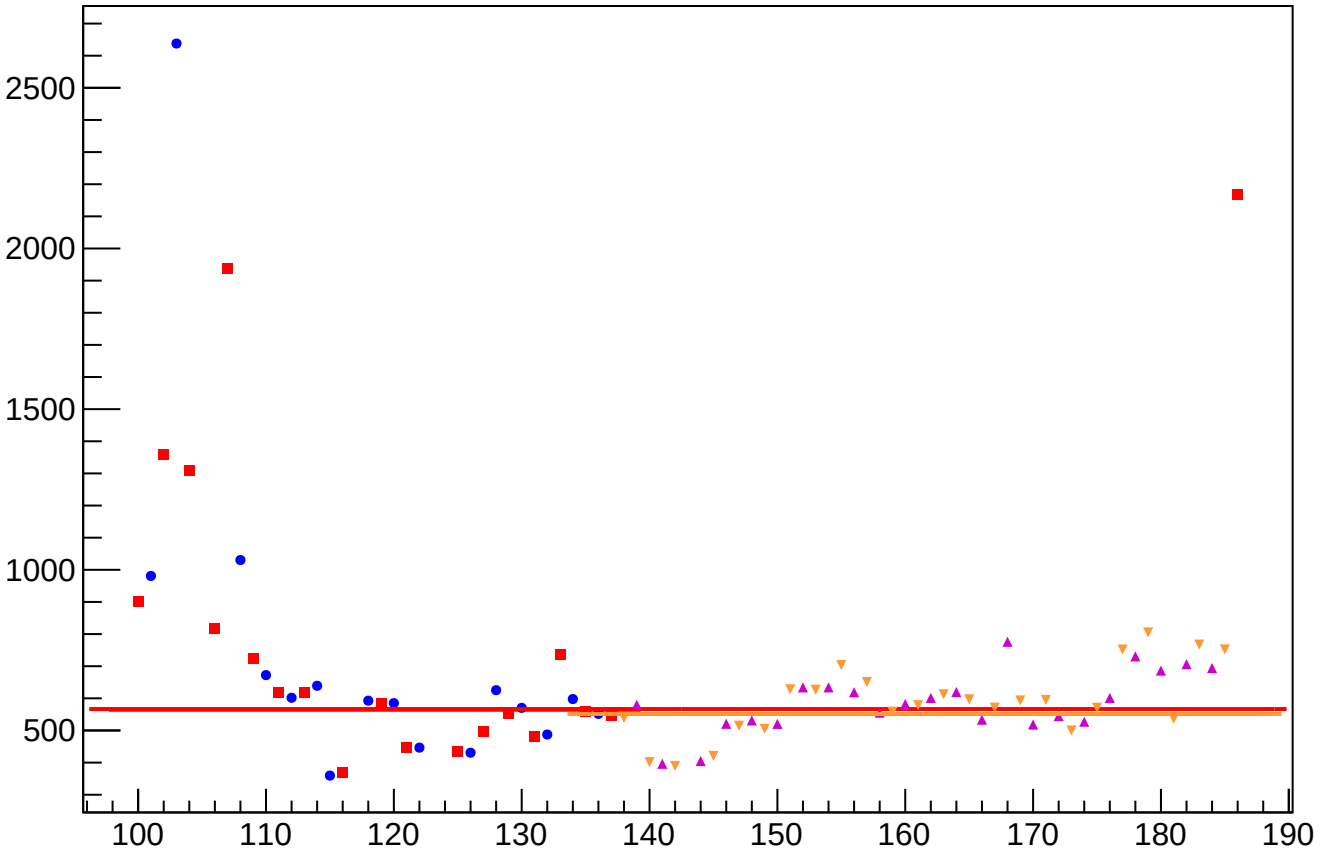
Right: 1244.732+/-0.230 χ^2/NDF: 743677.2/34

In: 1145.641+/-0.161 χ^2/NDF:380995.1/38

Out: 1154.132+/-0.160 χ^2/NDF:603085.9/42

All: 1149.905+/-0.113 χ^2/NDF: 985482.4/81


asym_usl_atl1_dd_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: -190.645+/-222.867 χ²/NDF: 25.3/15
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 406.612+/-223.066 χ²/NDF: 19.4/18
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 107.718+/-157.661 χ²/NDF: 48.2/34
In: 14.427+/-112.913 χ²/NDF:43.5/38
Out: -295.193+/-112.734 χ²/NDF:94.2/42
All: -140.629+/-79.778 χ²/NDF: 141.5/81



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

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

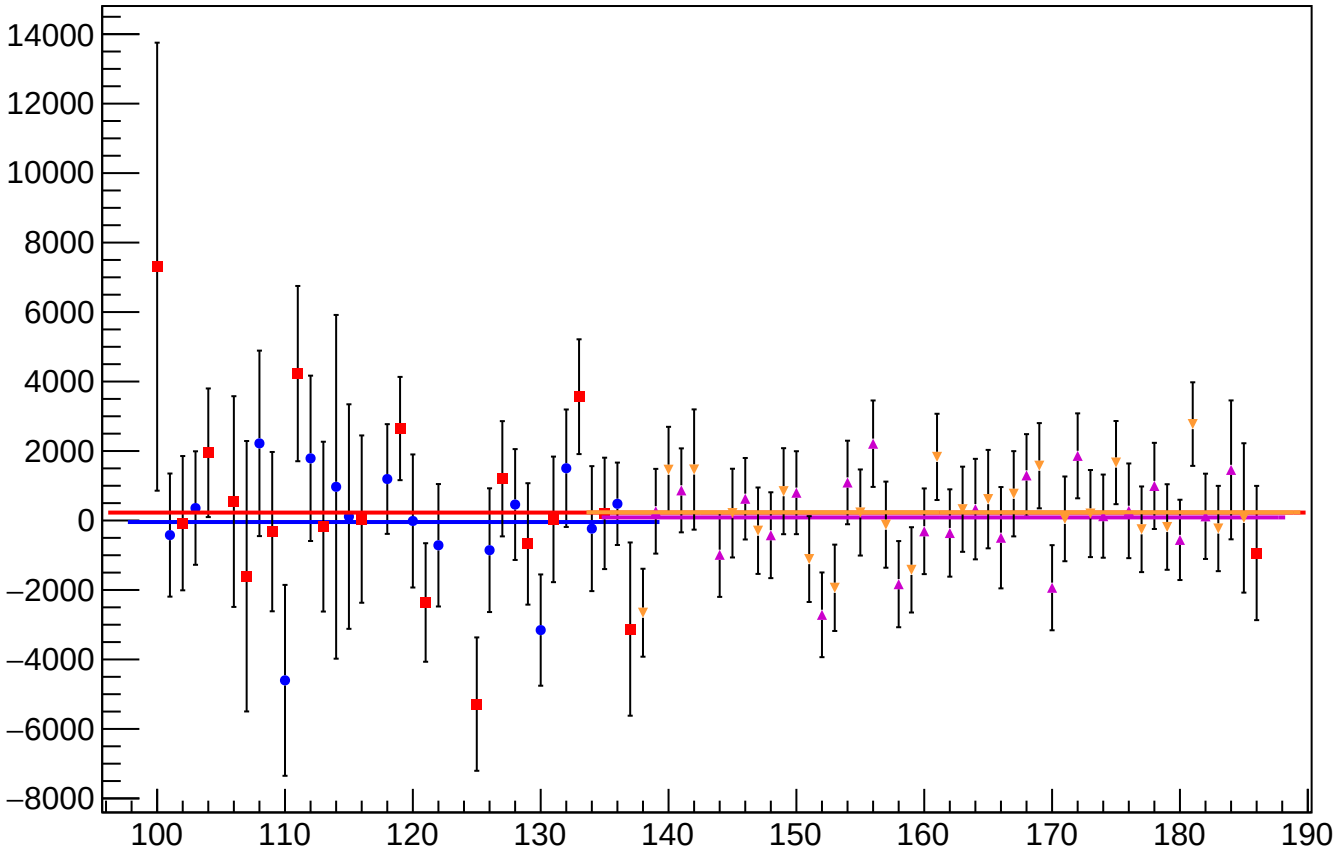
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 565.818+/-0.111 χ^2/NDF: 3059833.0/34

In: 554.831+/-0.080 χ^2/NDF:2351738.8/38

Out: 555.333+/-0.080 χ^2/NDF:3008903.8/42

All: 555.082+/-0.056 χ^2/NDF: 5360662.4/81



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

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

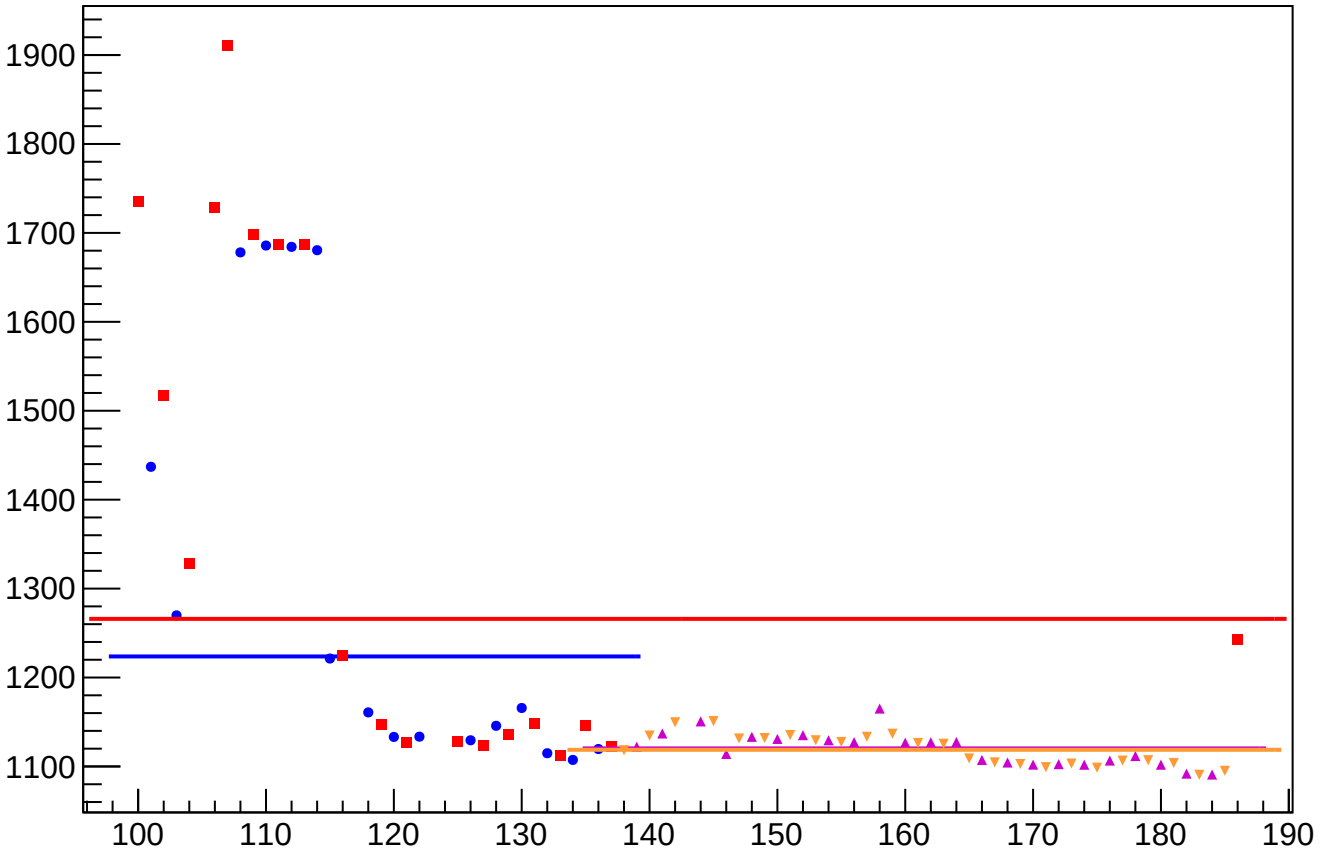
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 91.241+/-325.541 χ^2/NDF: 35.3/34

In: 55.957+/-227.307 χ^2/NDF:31.0/38

Out: 234.512+/-226.312 χ^2/NDF:47.7/42

All: 145.626+/-160.377 χ^2/NDF: 79.1/81



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

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

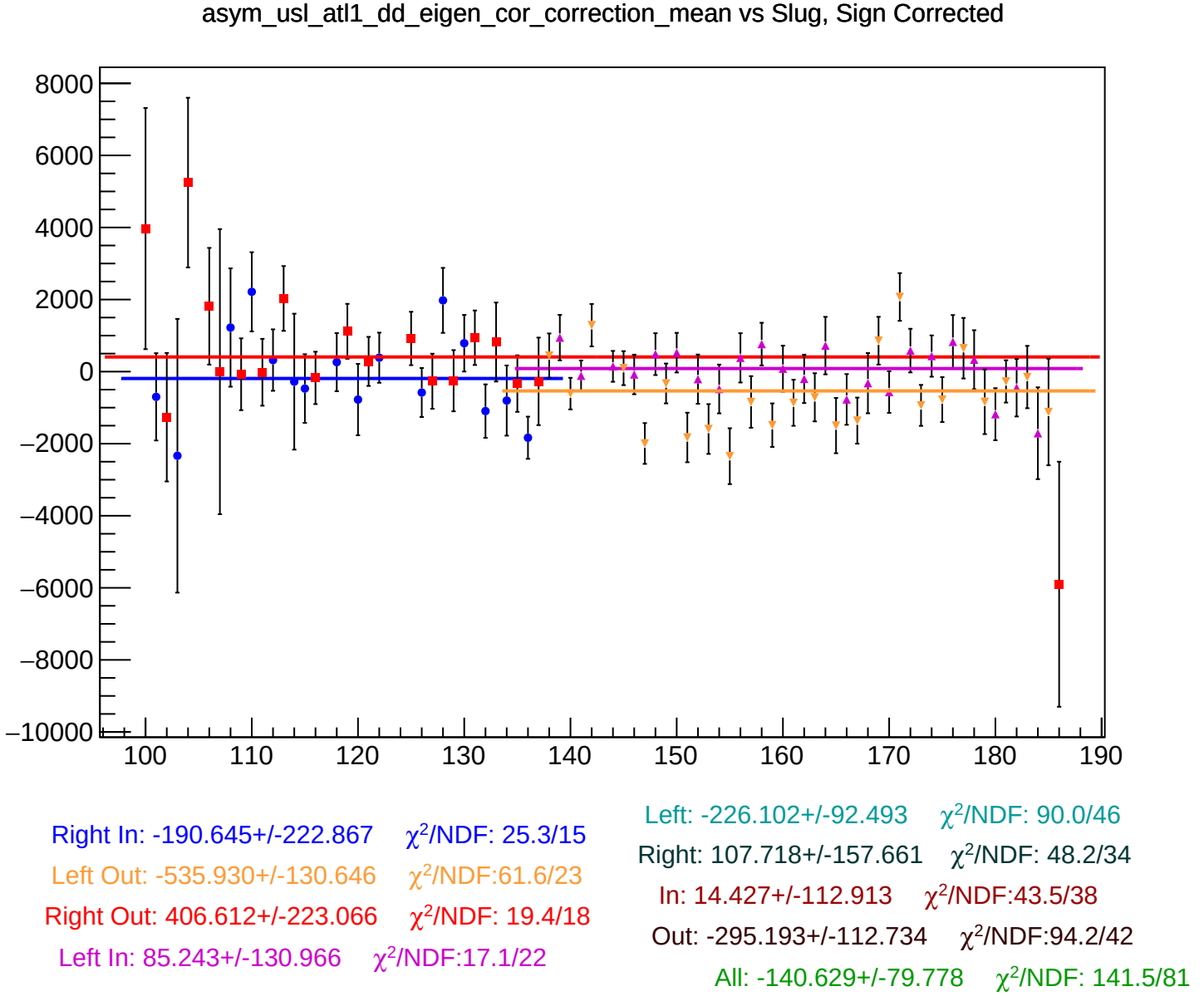
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1244.732+/-0.230 χ^2/NDF: 743677.2/34

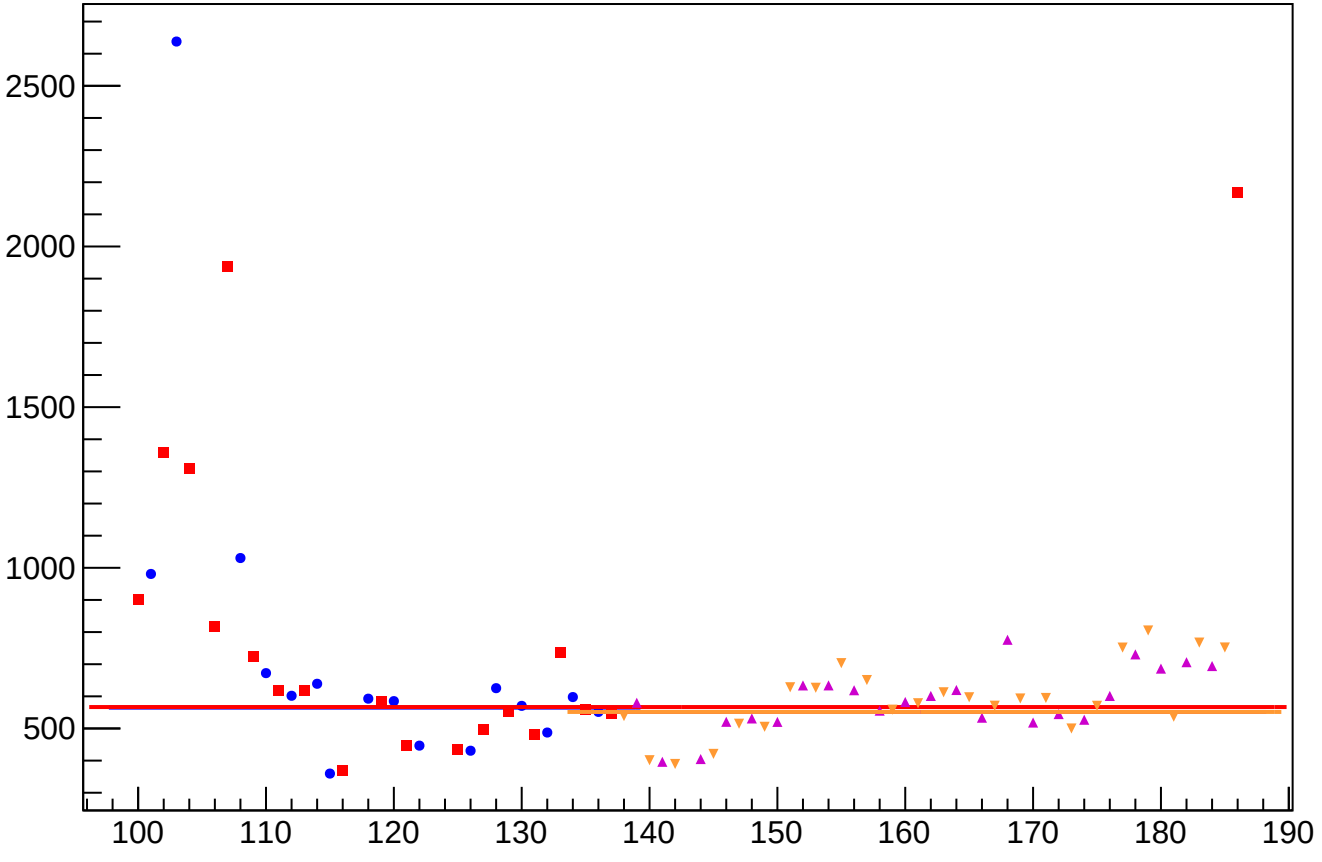
In: 1145.641+/-0.161 χ^2/NDF:380995.1/38

Out: 1154.132+/-0.160 χ^2/NDF:603085.9/42

All: 1149.905+/-0.113 χ^2/NDF: 985482.4/81


asym_usl_atl1_dd_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: -190.645+/-222.867 χ²/NDF: 25.3/15
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 406.612+/-223.066 χ²/NDF: 19.4/18
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 107.718+/-157.661 χ²/NDF: 48.2/34
In: 14.427+/-112.913 χ²/NDF:43.5/38
Out: -295.193+/-112.734 χ²/NDF:94.2/42
All: -140.629+/-79.778 χ²/NDF: 141.5/81

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 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

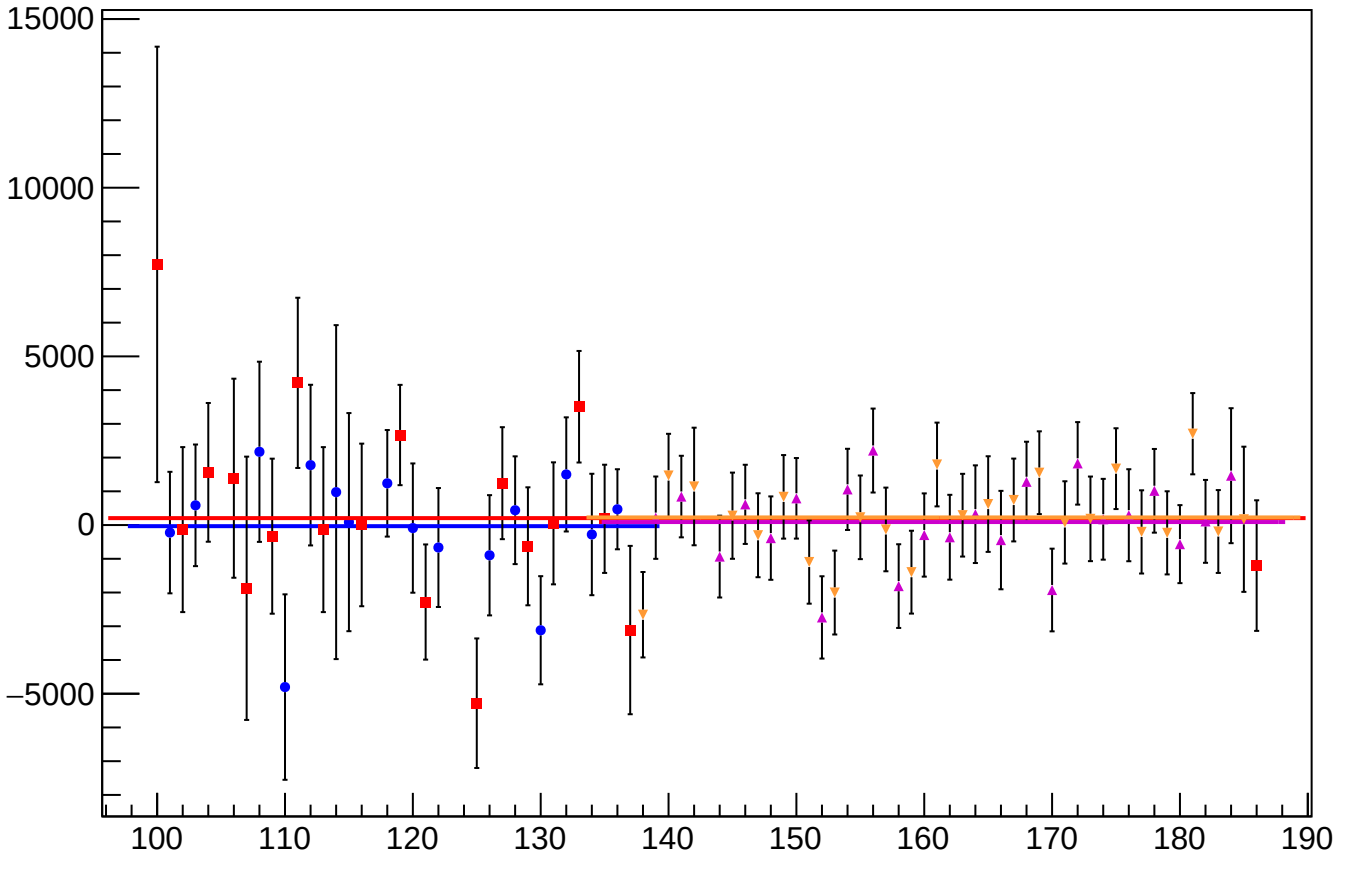
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 565.818+/-0.111 χ^2/NDF: 3059833.0/34

In: 554.831+/-0.080 χ^2/NDF:2351738.8/38

Out: 555.333+/-0.080 χ^2/NDF:3008903.8/42

All: 555.082+/-0.056 χ^2/NDF: 5360662.4/81



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

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

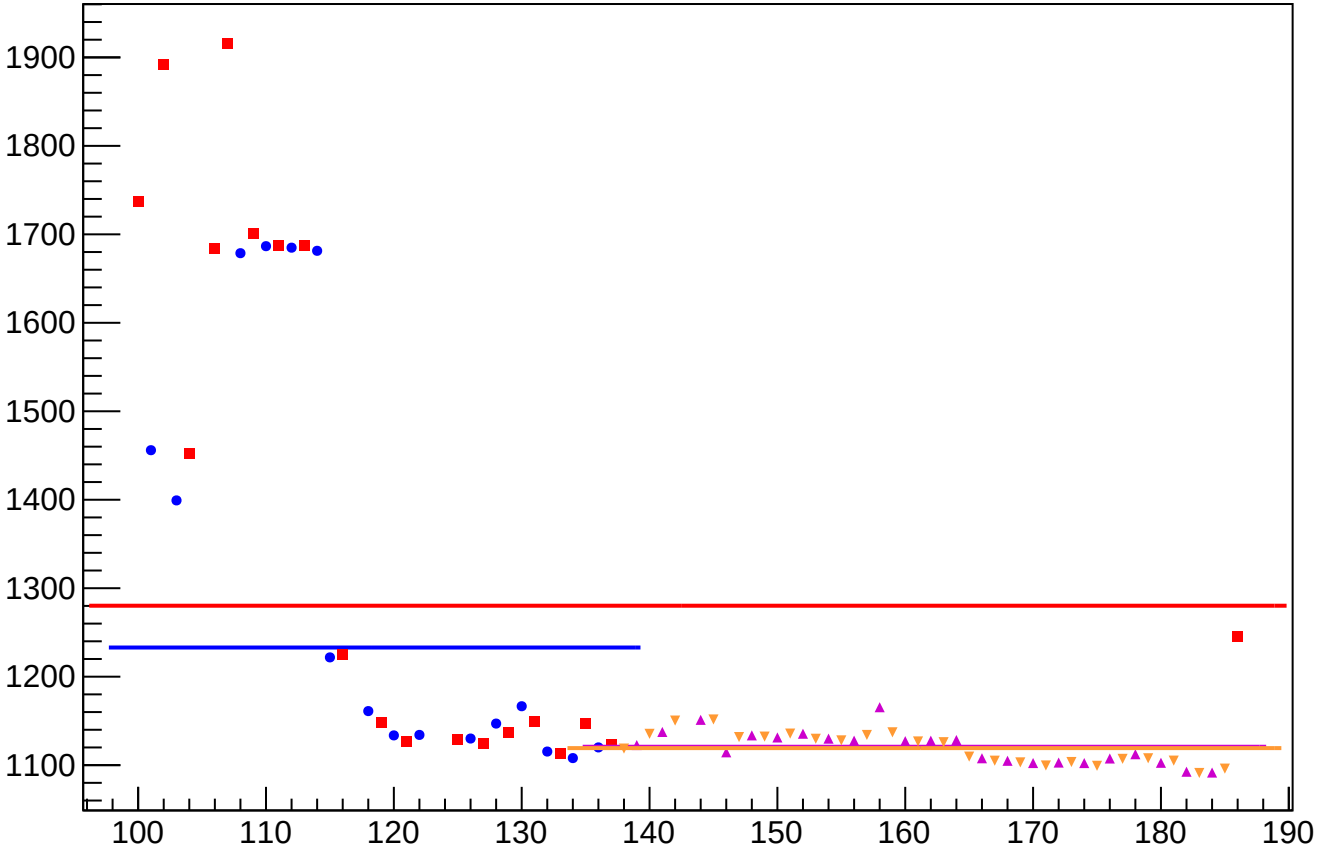
Right: 84.618+/-329.706 χ^2/NDF: 35.2/34

In: 59.523+/-227.862 χ^2/NDF:30.9/38

Out: 220.924+/-227.326 χ^2/NDF:47.0/42

All: 140.414+/-160.933 χ^2/NDF: 78.1/81

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

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

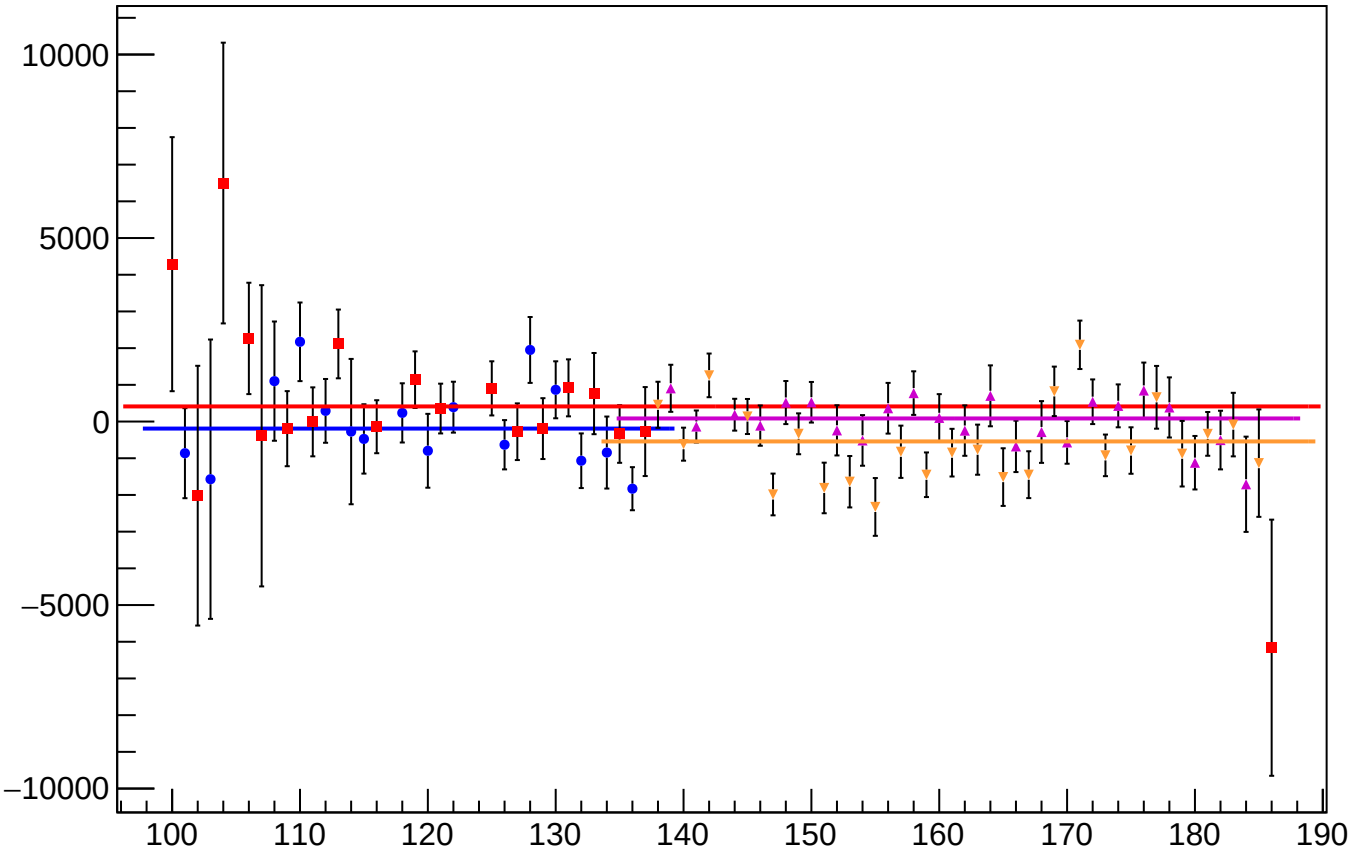
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1256.276+/-0.233 χ^2/NDF: 869839.6/34

In: 1147.942+/-0.161 χ^2/NDF:413787.9/38

Out: 1157.009+/-0.161 χ^2/NDF:732252.5/42

All: 1152.486+/-0.114 χ^2/NDF: 1147627.6/81



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

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

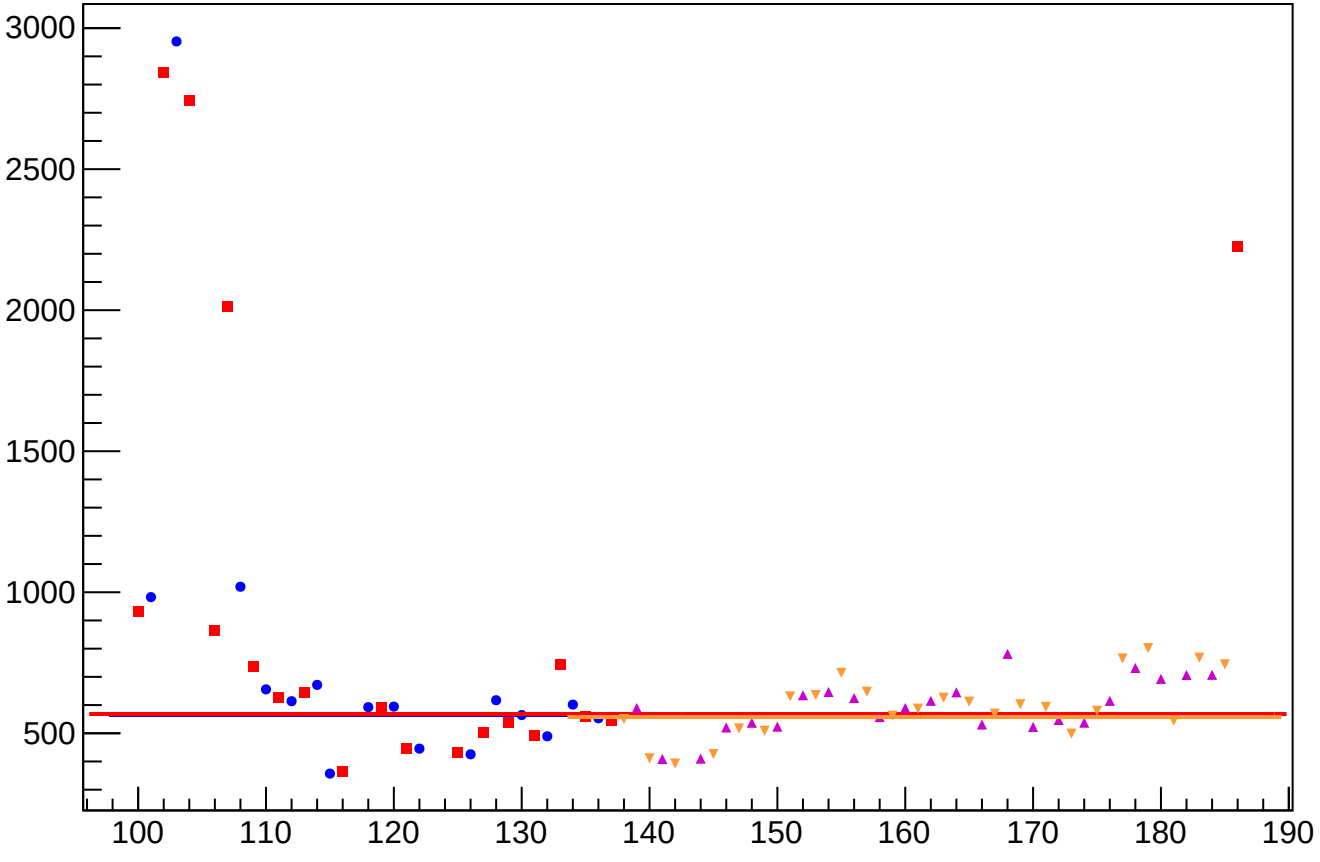
Right: 105.664+/-158.692 χ^2/NDF: 47.1/34

In: 12.047+/-113.909 χ^2/NDF:42.8/38

Out: -299.227+/-114.006 χ^2/NDF:92.4/42

All: -143.457+/-80.580 χ^2/NDF: 138.9/81

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 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

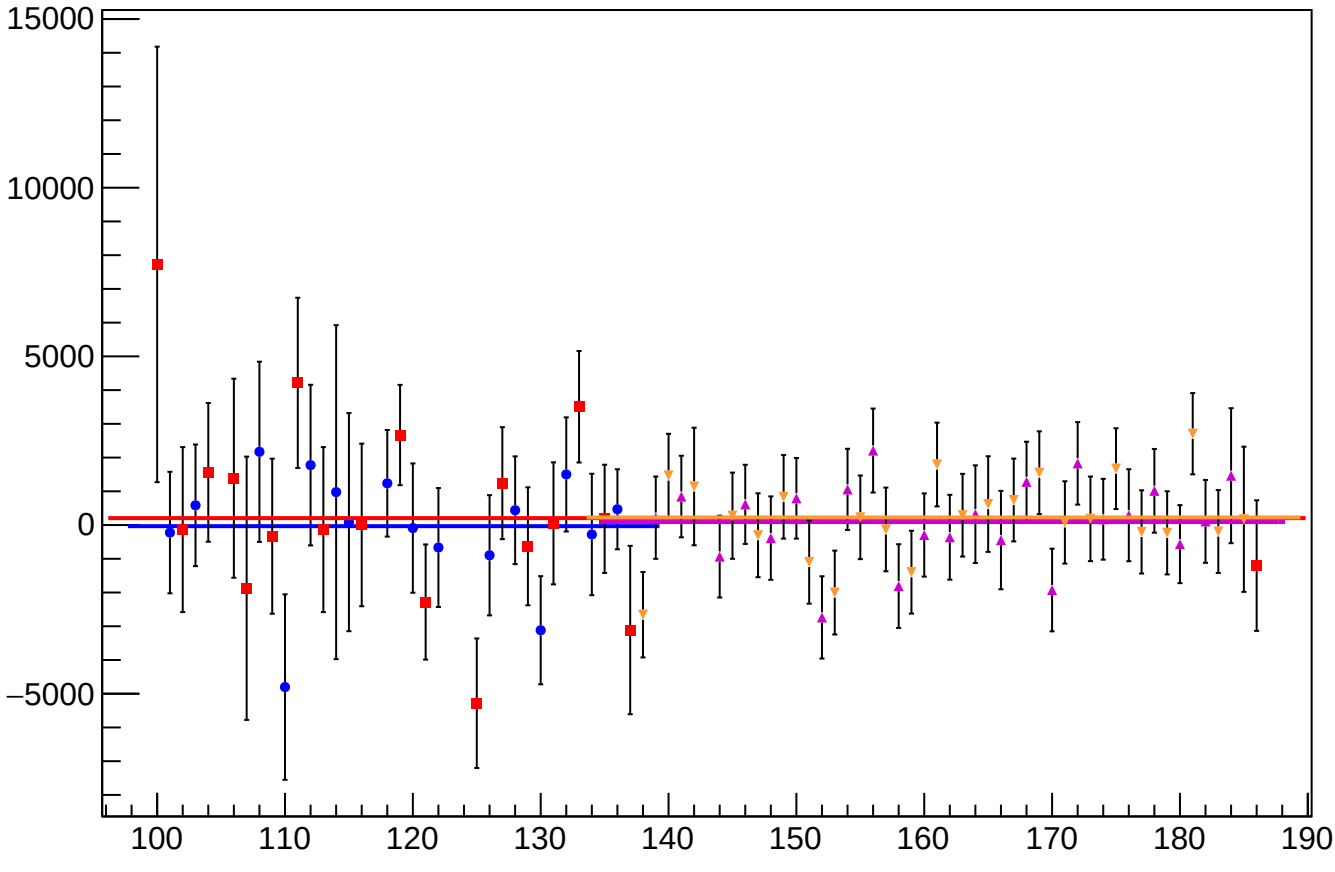
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

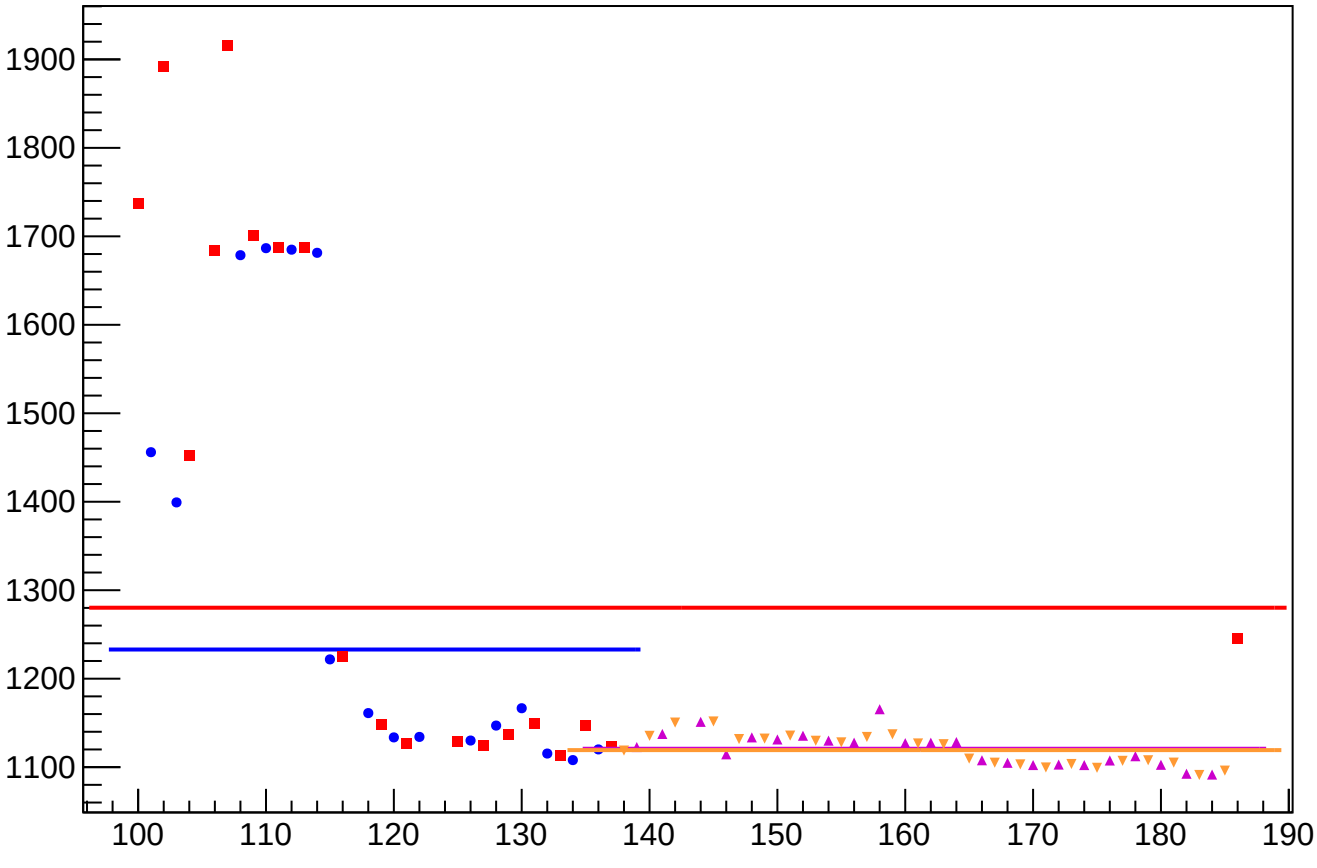
Right: 566.542+/-0.112 χ^2/NDF: 4207395.5/34

In: 560.087+/-0.081 χ^2/NDF:2509438.9/38

Out: 560.305+/-0.081 χ^2/NDF:3923384.3/42

All: 560.196+/-0.057 χ^2/NDF: 6432826.8/81


eigen_dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -33.061+/-463.216 χ²/NDF: 10.3/15
Left Out: 225.661+/-259.829 χ²/NDF:22.2/23
Right Out: 205.458+/-469.394 χ²/NDF: 24.8/18
Left In: 89.079+/-261.717 χ²/NDF:20.6/22
Left: 157.864+/-184.391 χ²/NDF: 42.9/46
Right: 84.618+/-329.706 χ²/NDF: 35.2/34
In: 59.523+/-227.862 χ²/NDF:30.9/38
Out: 220.923+/-227.326 χ²/NDF:47.0/42
All: 140.413+/-160.933 χ²/NDF: 78.1/81



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

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

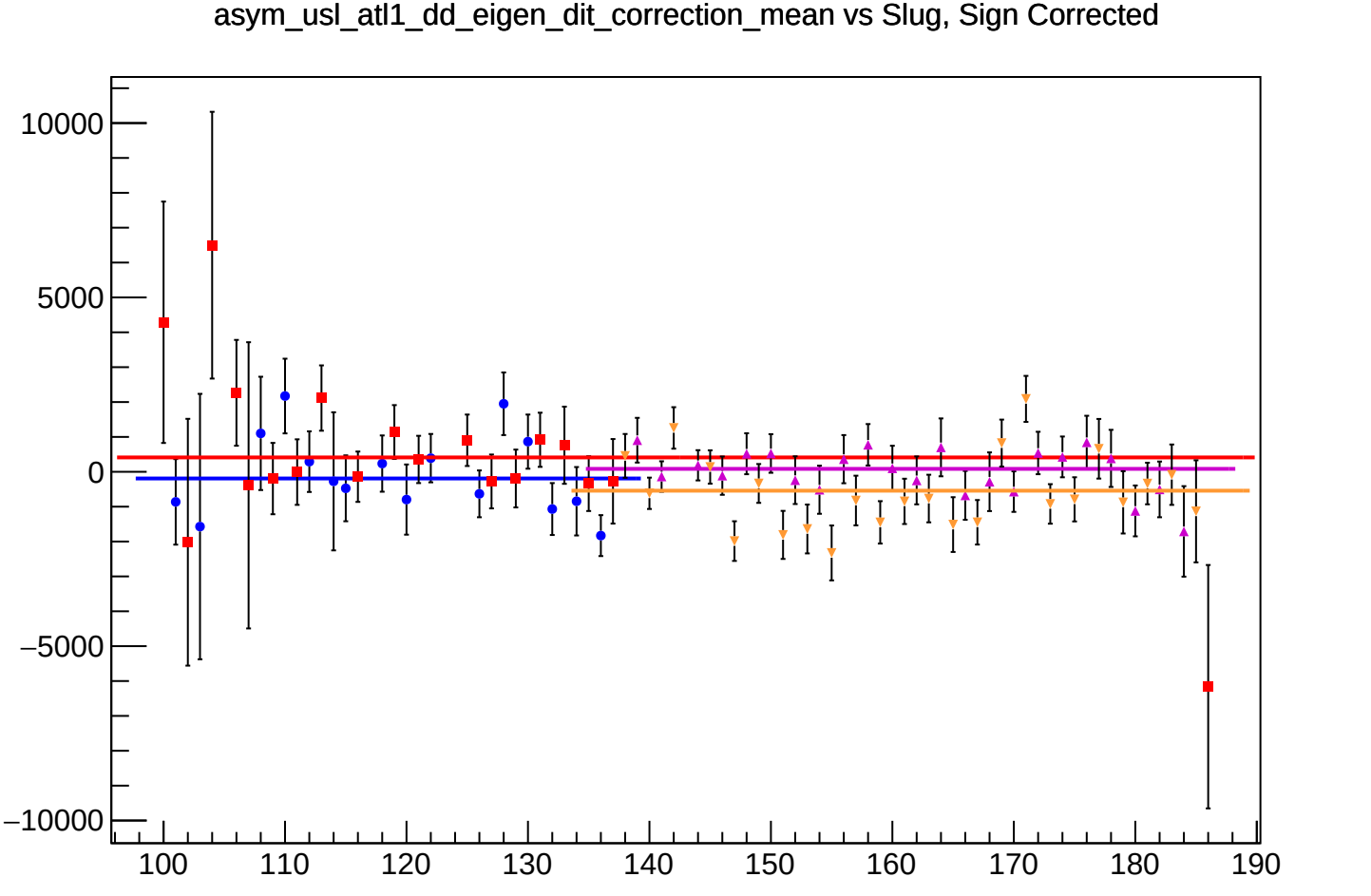
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1256.276+/-0.233 χ^2/NDF: 869838.7/34

In: 1147.942+/-0.161 χ^2/NDF:413787.4/38

Out: 1157.009+/-0.161 χ^2/NDF:732251.7/42

All: 1152.486+/-0.114 χ^2/NDF: 1147626.3/81



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

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

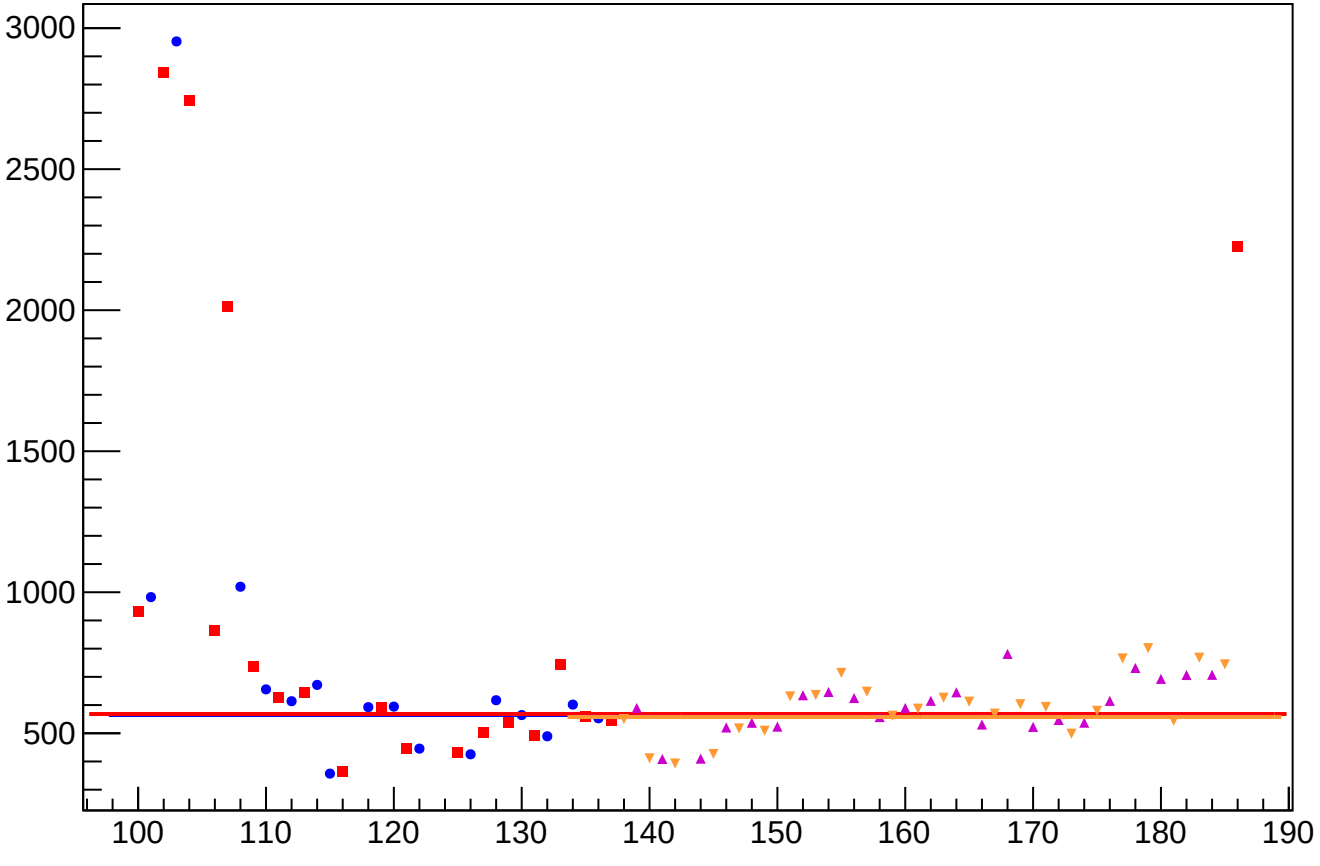
Right: 105.664+/-158.692 χ^2/NDF: 47.1/34

In: 12.047+/-113.909 χ^2/NDF:42.8/38

Out: -299.226+/-114.006 χ^2/NDF:92.4/42

All: -143.457+/-80.580 χ^2/NDF: 138.9/81

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 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

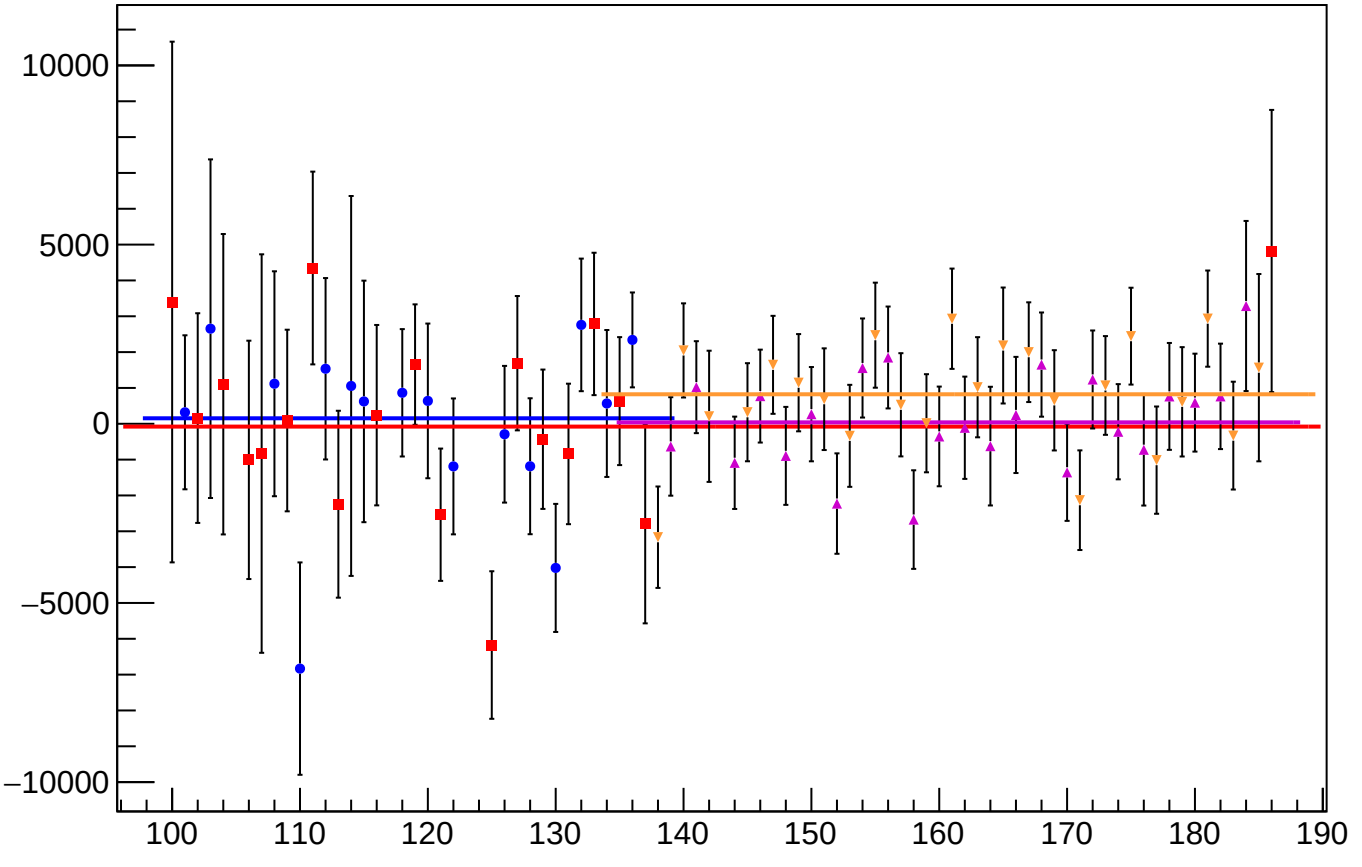
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 566.542+/-0.112 χ^2/NDF: 4207393.6/34

In: 560.086+/-0.081 χ^2/NDF:2509451.0/38

Out: 560.304+/-0.081 χ^2/NDF:3923406.5/42

All: 560.195+/-0.057 χ^2/NDF: 6432861.1/81



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

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

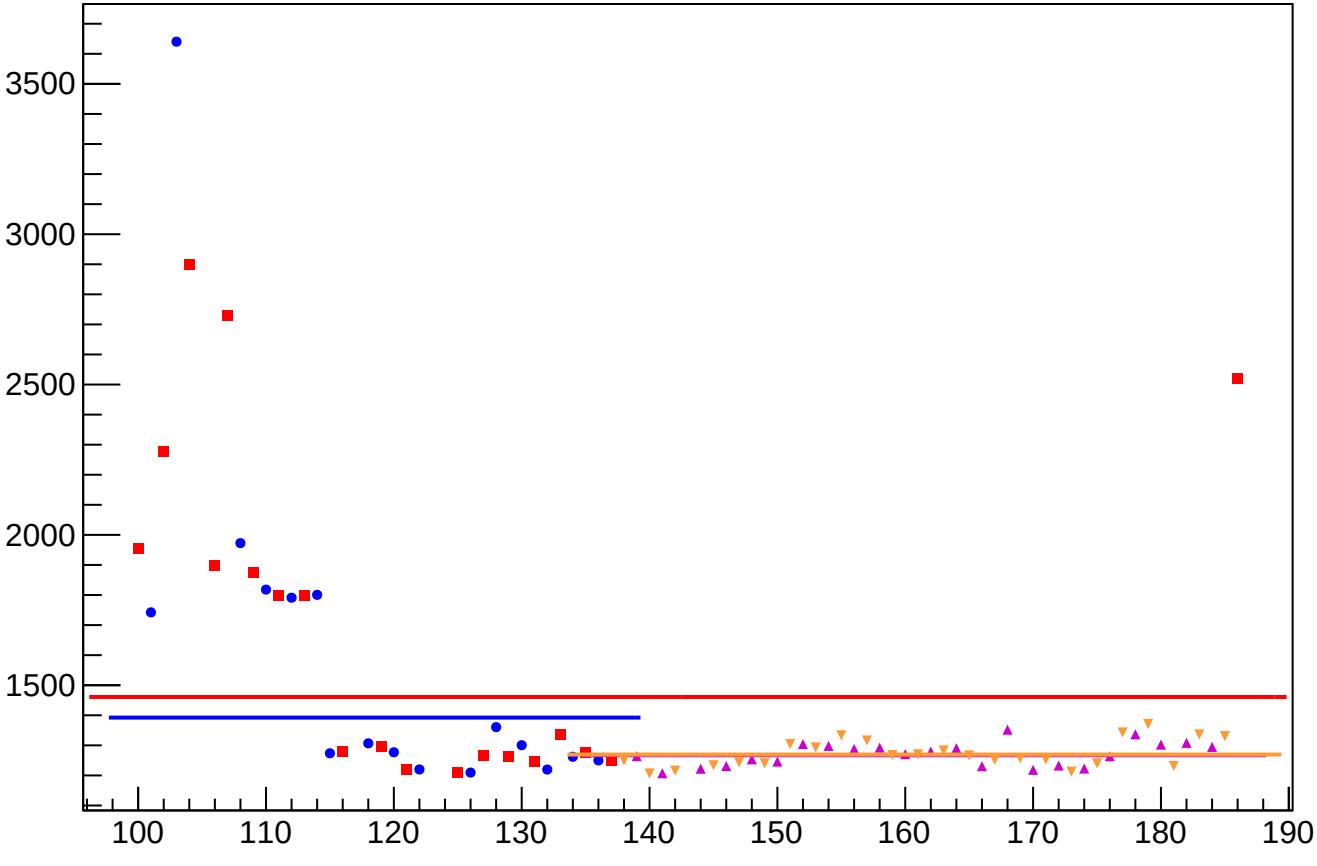
Right: 40.107+/-380.681 χ^2/NDF: 39.1/34

In: 66.562+/-258.674 χ^2/NDF:35.7/38

Out: 619.028+/-259.305 χ^2/NDF:49.6/42

All: 342.121+/-183.133 χ^2/NDF: 87.5/81

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

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

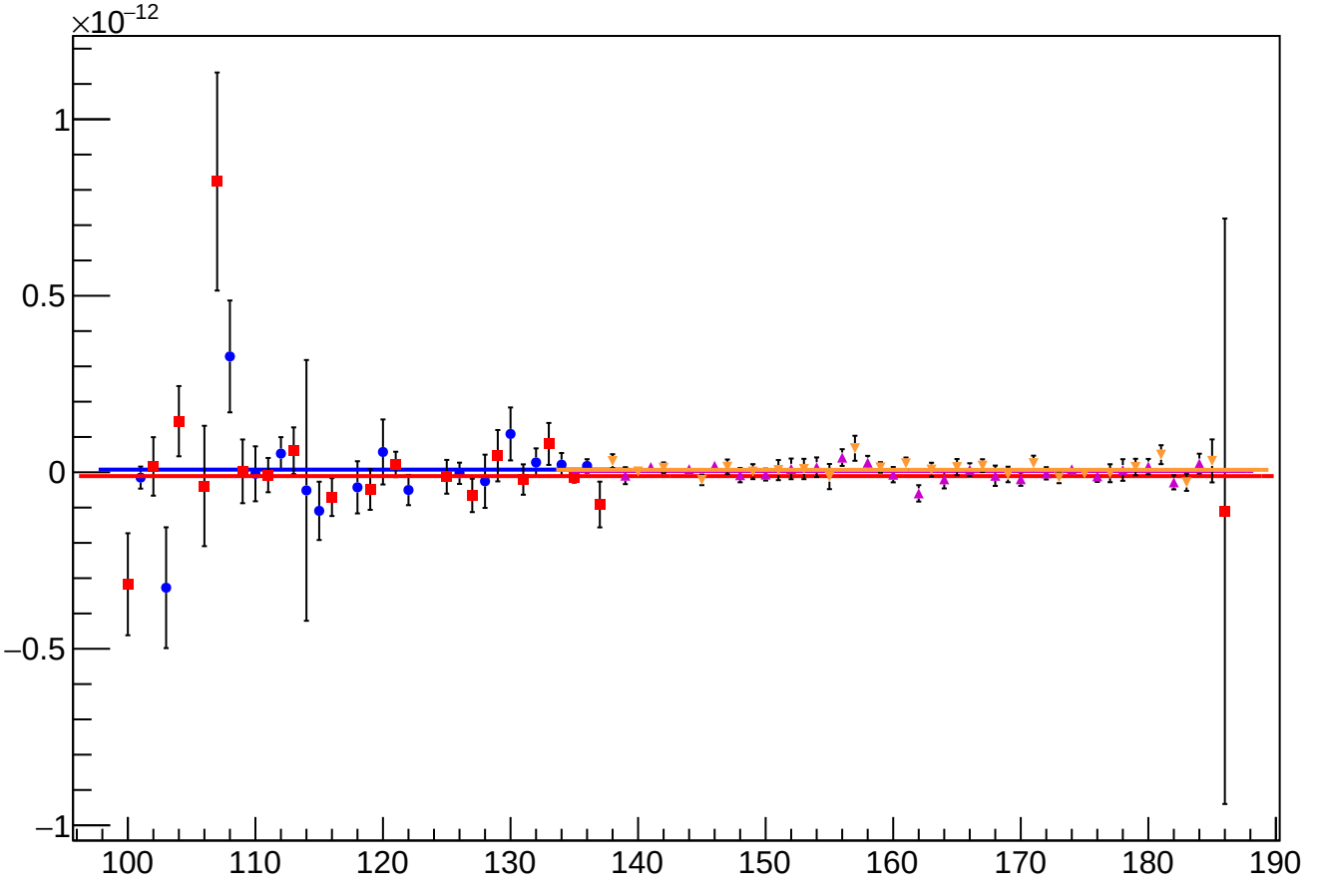
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1425.798+/-0.269 χ^2/NDF: 1798248.7/34

In: 1296.662+/-0.183 χ^2/NDF:898391.7/38

Out: 1312.810+/-0.183 χ^2/NDF:1236875.7/42

All: 1304.717+/-0.129 χ^2/NDF: 2139154.7/81



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

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

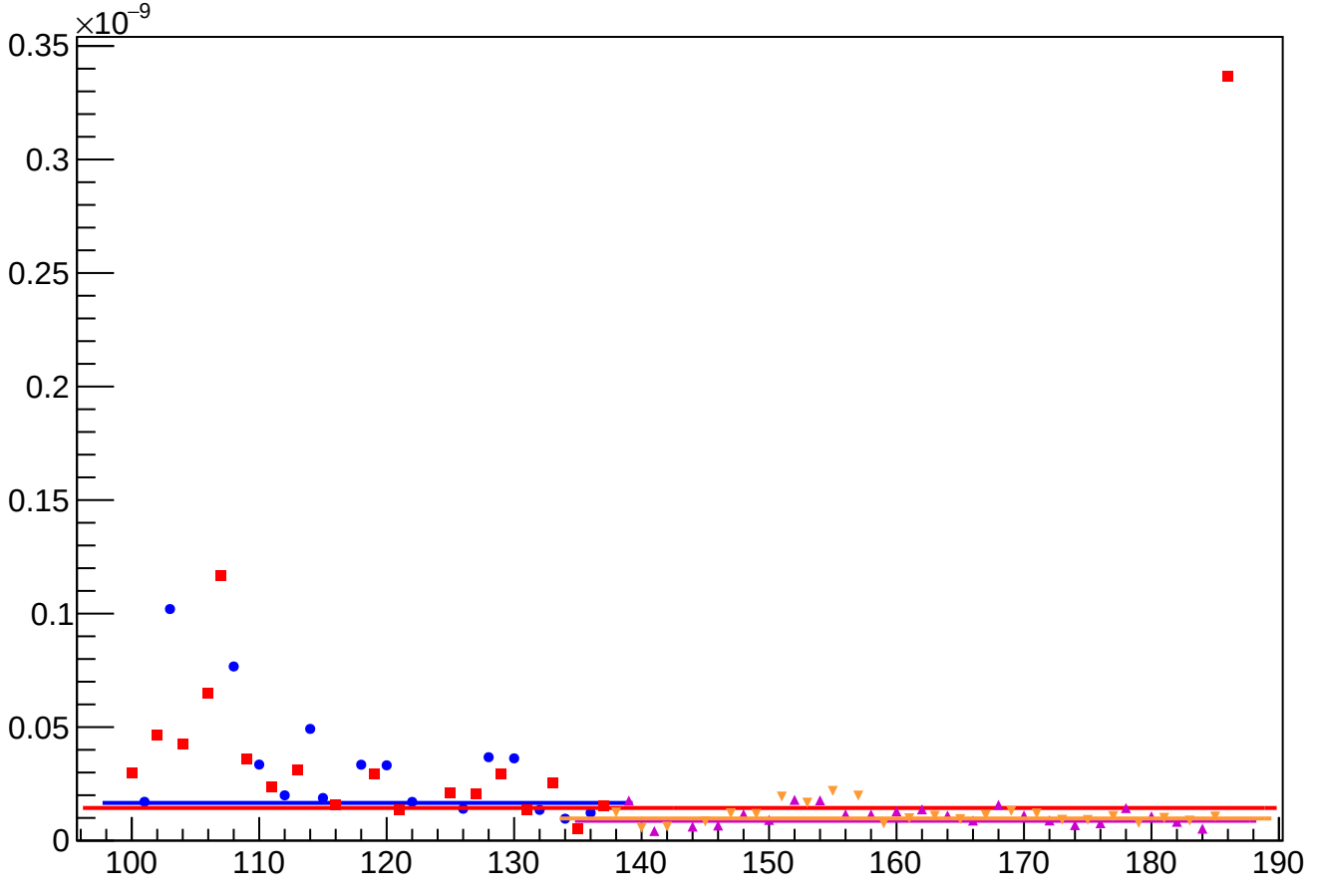
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

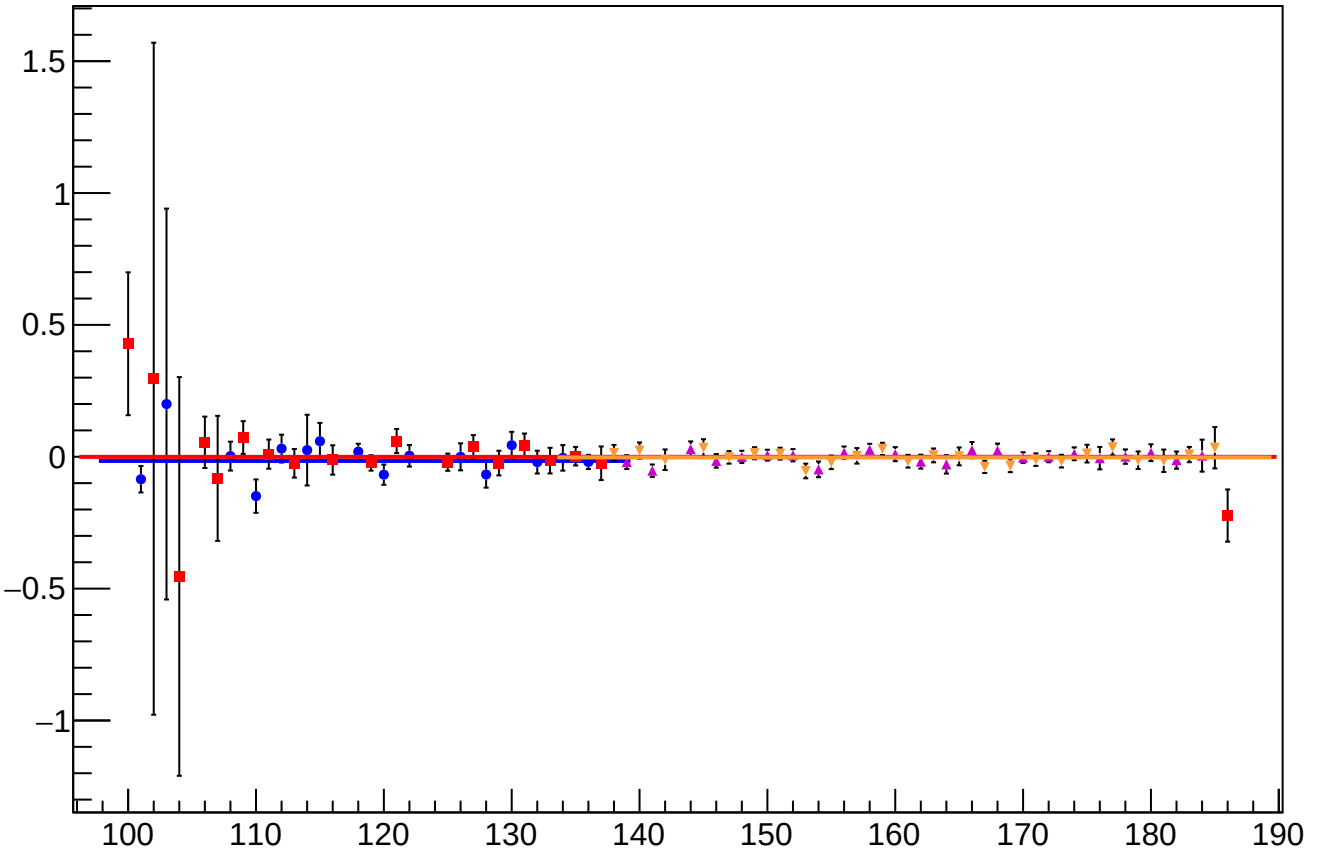
Right: -0.000+/-0.000 χ^2/NDF: 42.4/34

In: 0.000+/-0.000 χ^2/NDF:40.0/38

Out: 0.000+/-0.000 χ^2/NDF:46.3/42

All: 0.000+/-0.000 χ^2/NDF: 86.3/81


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: 1573068.3/15
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: 4176362.0/34
In: 0.000+/-0.000 χ²/NDF:4439662.9/38
Out: 0.000+/-0.000 χ²/NDF:4268874.7/42
All: 0.000+/-0.000 χ²/NDF: 8752695.6/81



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

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

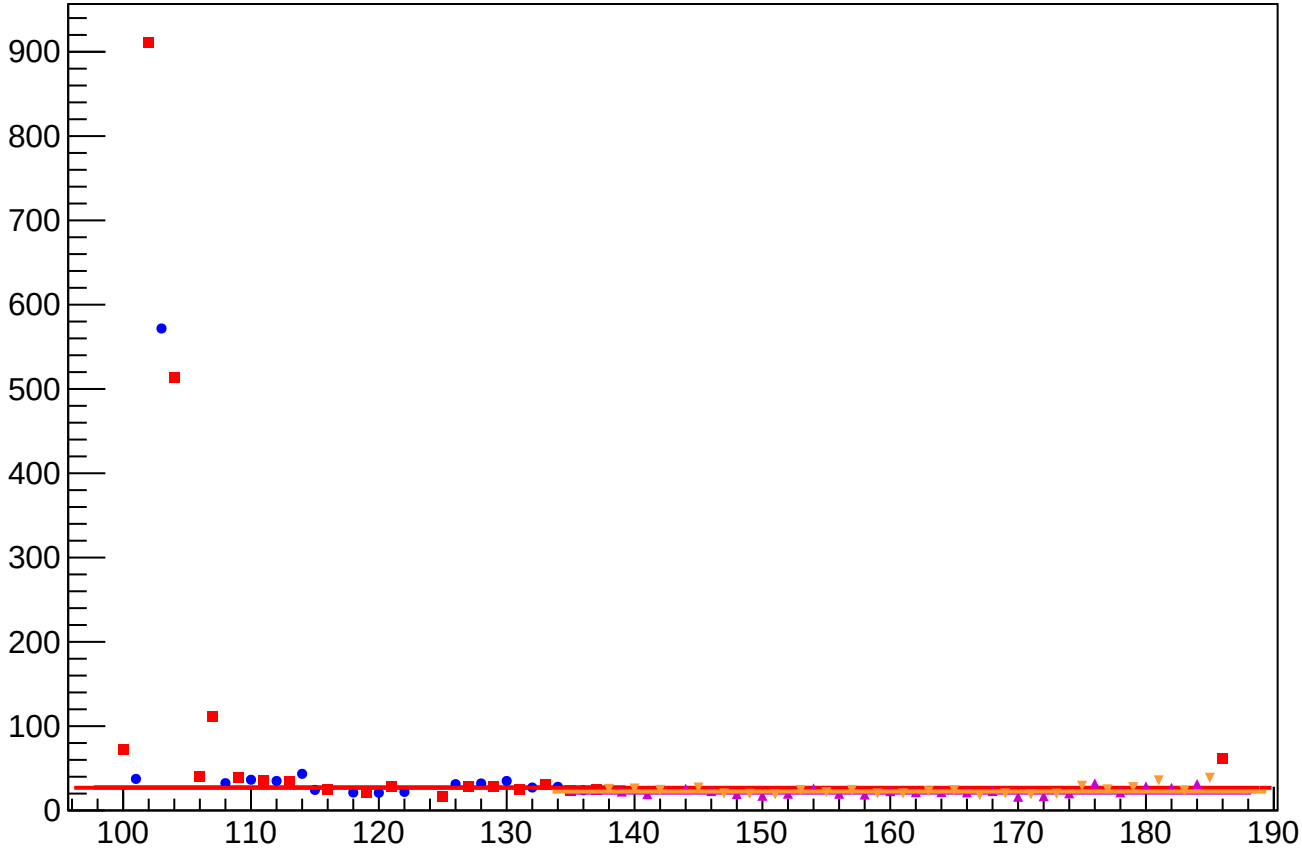
Right: -0.008+/-0.008 χ^2/NDF: 30.5/34

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/81

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.355+/-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

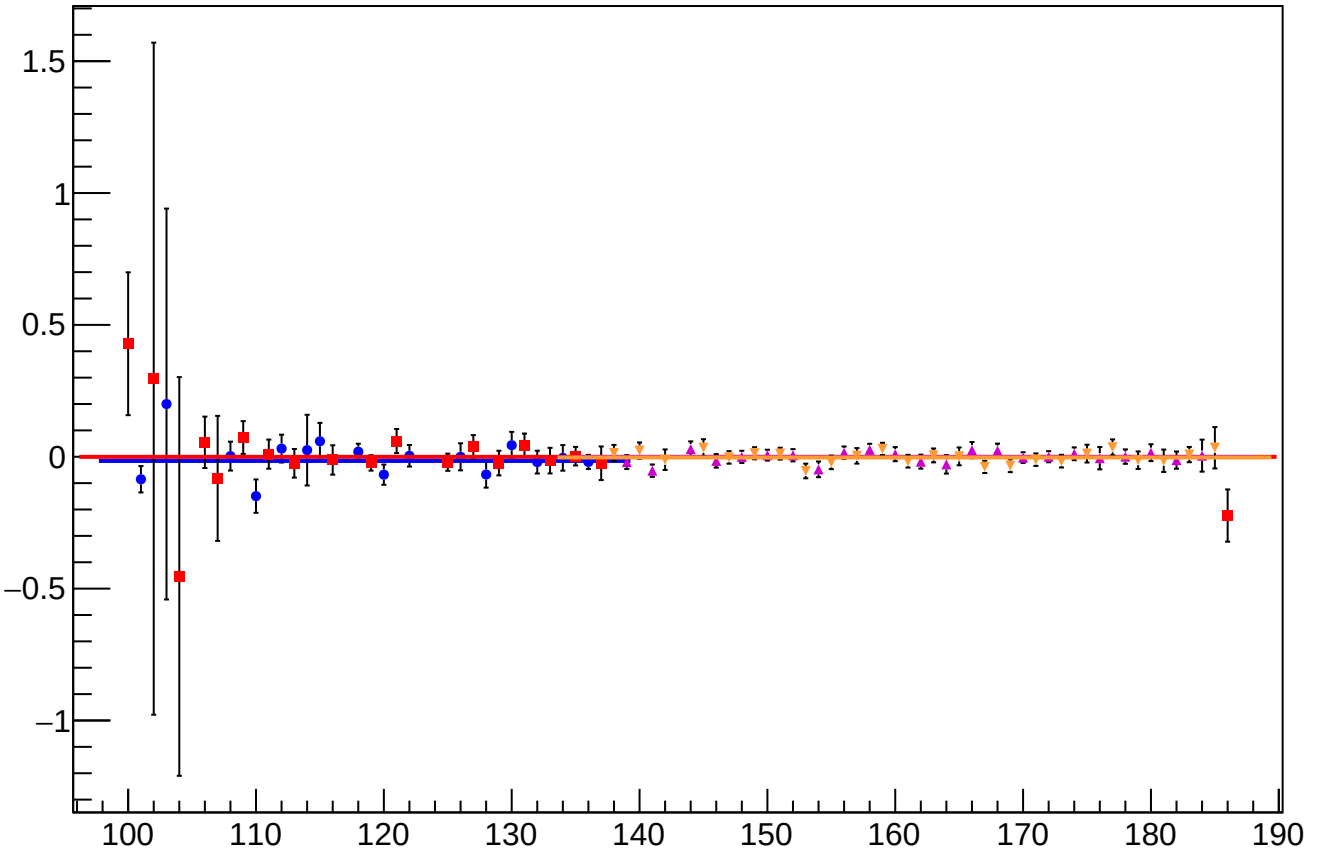
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.114+/-0.006 χ^2/NDF: 4432138.9/34

In: 22.233+/-0.003 χ^2/NDF:2858685.8/38

Out: 23.197+/-0.004 χ^2/NDF:3916190.4/42

All: 22.697+/-0.003 χ^2/NDF: 6811518.2/81



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

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

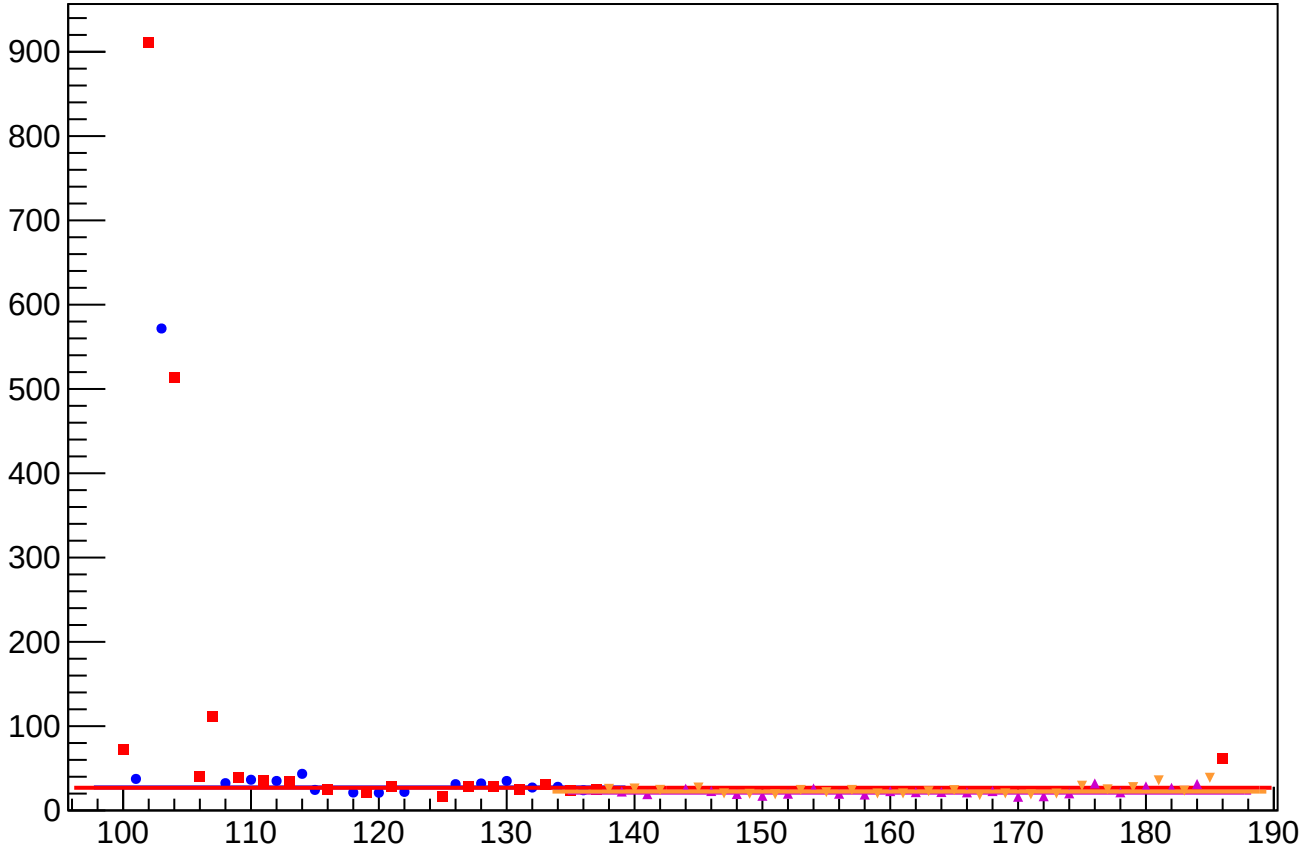
Right: -0.008+/-0.008 χ^2/NDF: 30.5/34

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/81

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.355+/-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

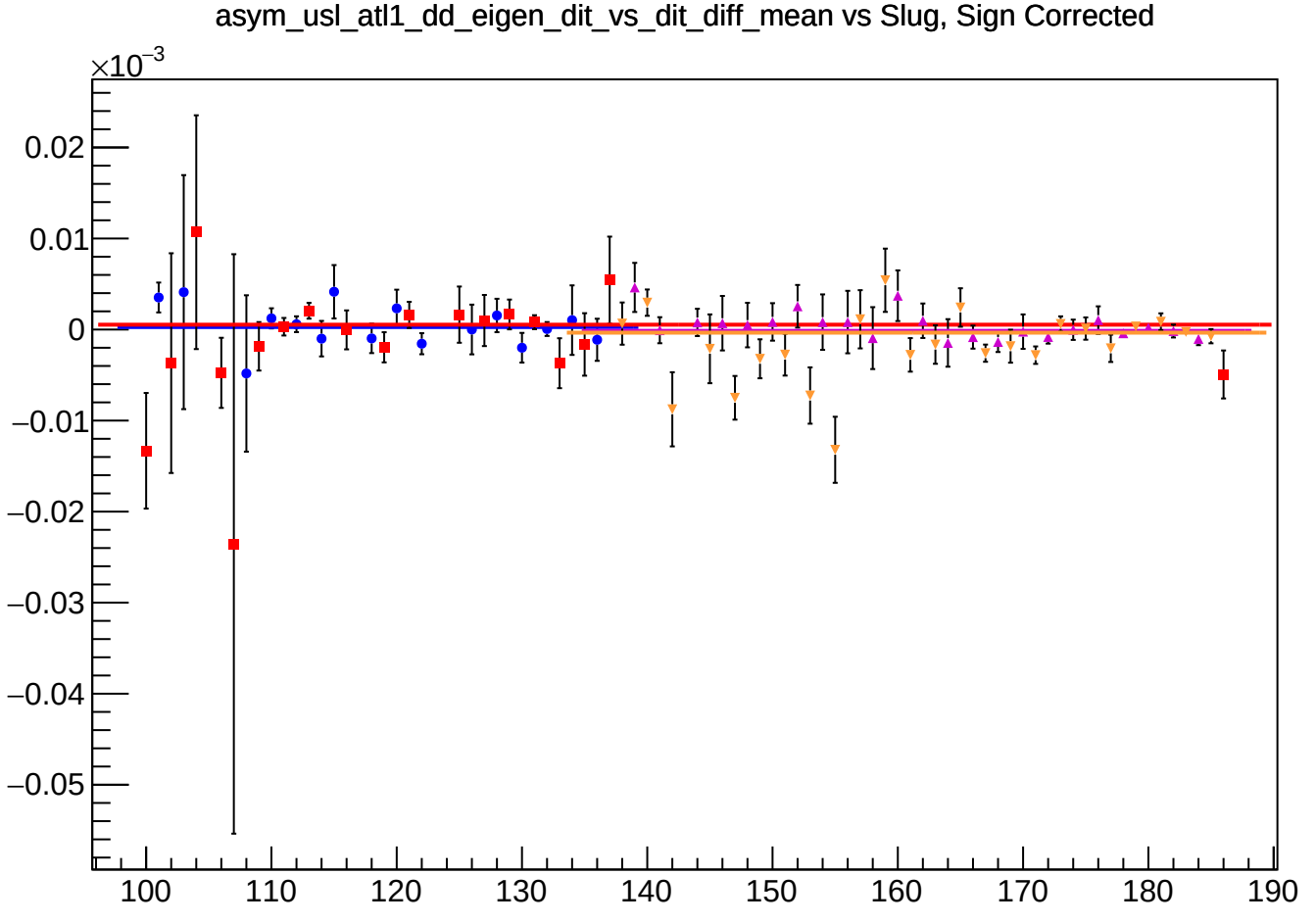
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

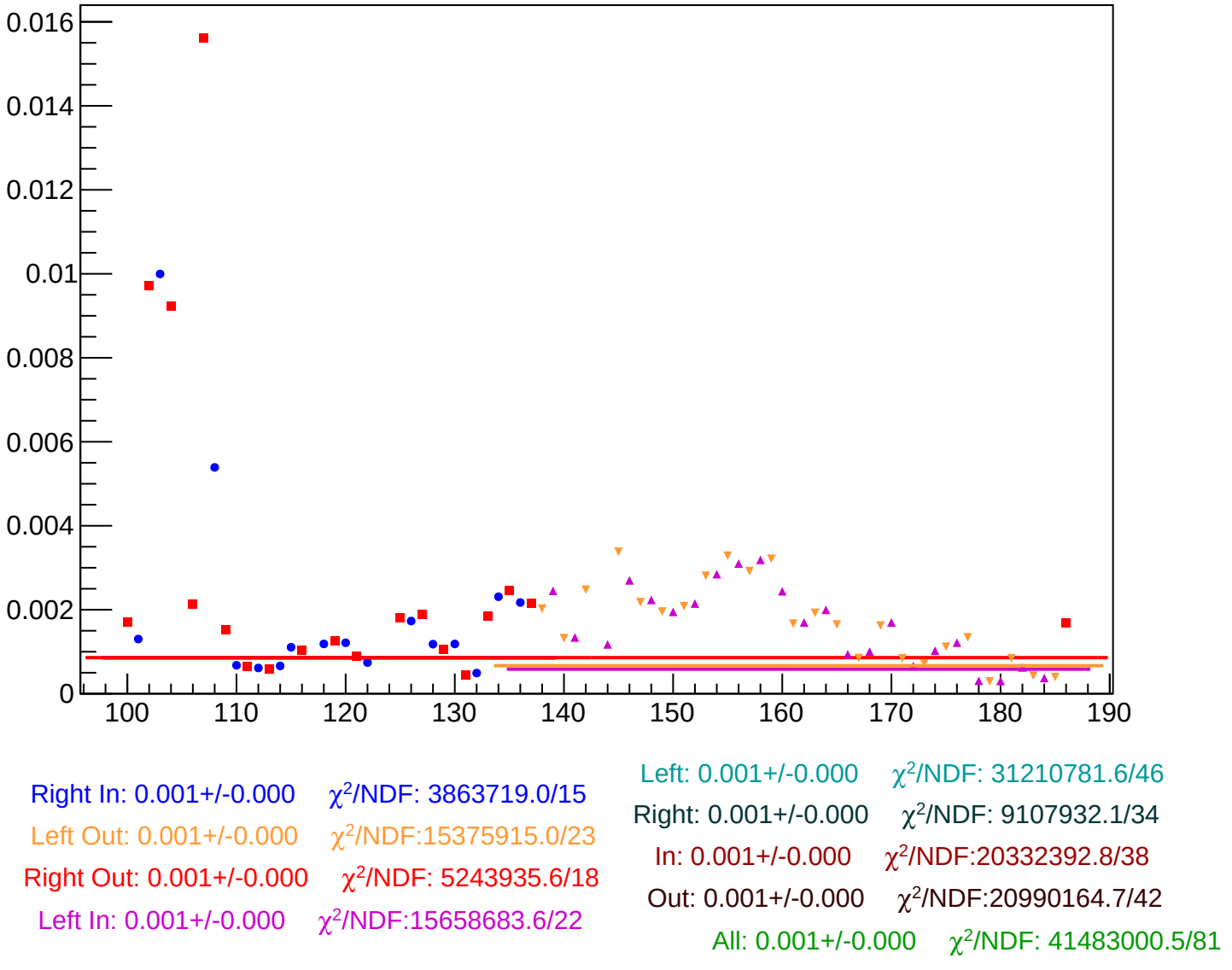
Right: 27.114+/-0.006 χ^2/NDF: 4432138.9/34

In: 22.233+/-0.003 χ^2/NDF:2858685.8/38

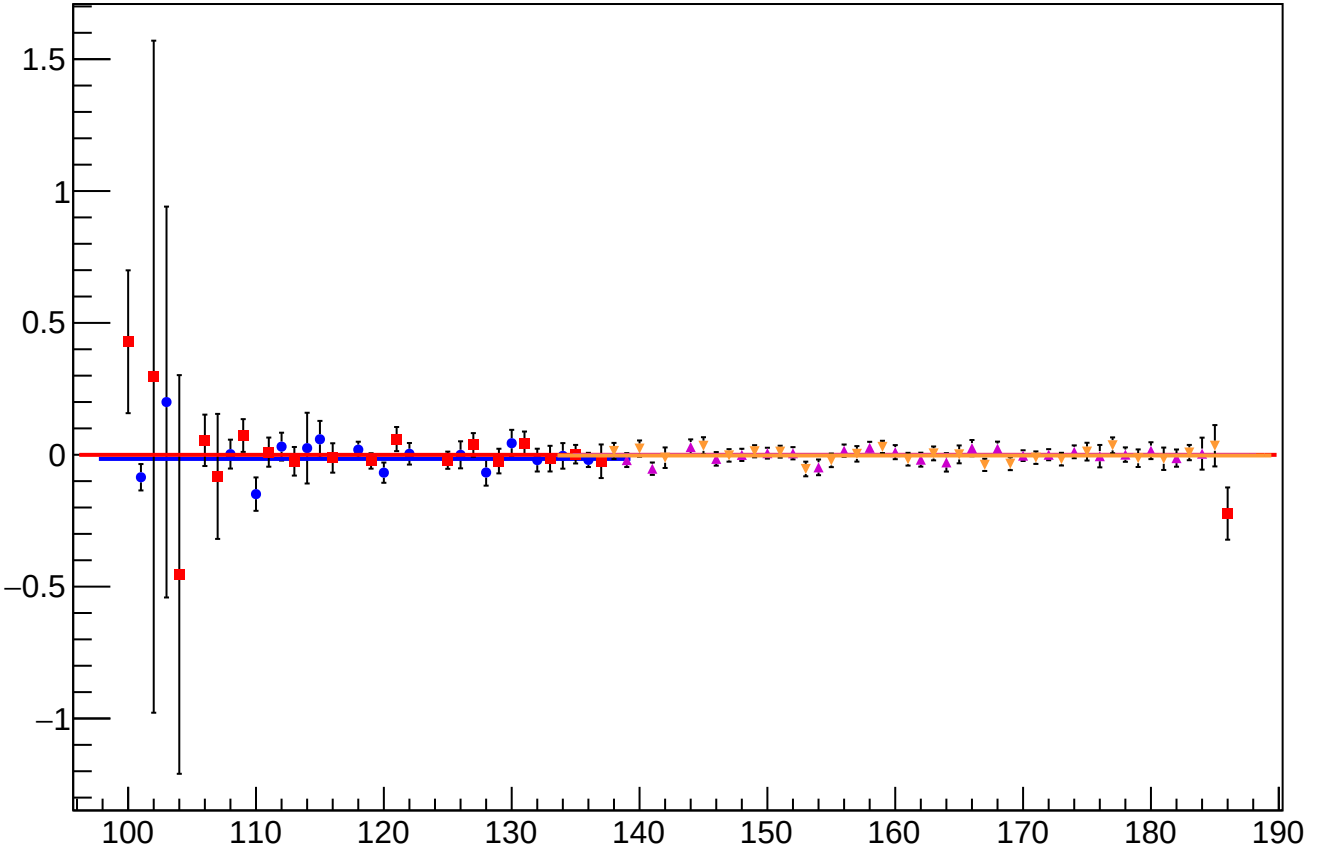
Out: 23.197+/-0.004 χ^2/NDF:3916190.4/42

All: 22.697+/-0.003 χ^2/NDF: 6811518.2/81


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: -0.000+/-0.000 χ²/NDF:68.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/18
Left In: -0.000+/-0.000 χ²/NDF:14.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.8/46
Right: 0.000+/-0.000 χ²/NDF: 38.3/34
In: -0.000+/-0.000 χ²/NDF:29.6/38
Out: -0.000+/-0.000 χ²/NDF:95.6/42
All: -0.000+/-0.000 χ²/NDF: 125.4/81


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 3863719.0/15
Left Out: 0.001+/-0.000 χ²/NDF:15375915.0/23
Right Out: 0.001+/-0.000 χ²/NDF: 5243935.6/18
Left In: 0.001+/-0.000 χ²/NDF:15658683.6/22
Left: 0.001+/-0.000 χ²/NDF: 31210781.6/46
Right: 0.001+/-0.000 χ²/NDF: 9107932.1/34
In: 0.001+/-0.000 χ²/NDF:20332392.8/38
Out: 0.001+/-0.000 χ²/NDF:20990164.7/42
All: 0.001+/-0.000 χ²/NDF: 41483000.5/81

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-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

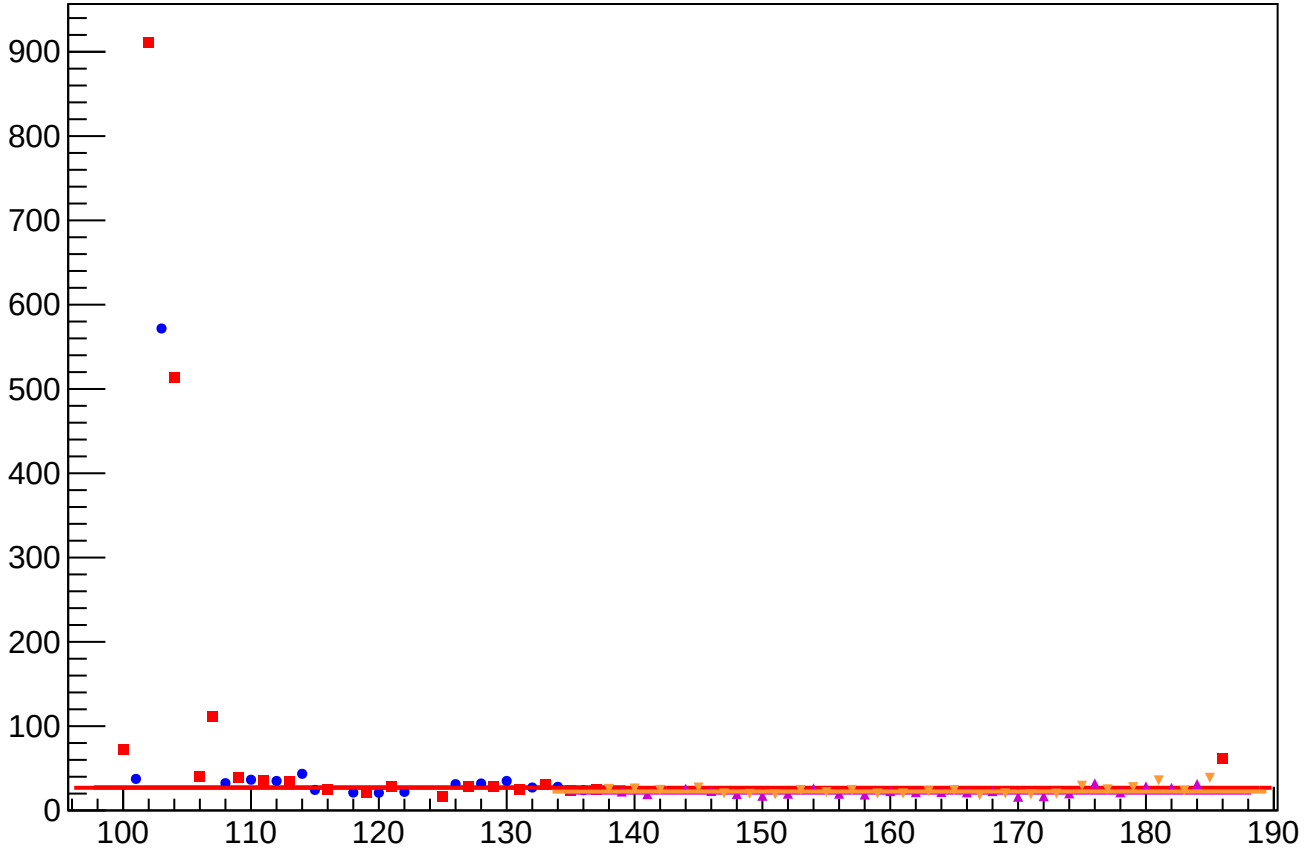
Right: -0.008+/-0.008 χ^2/NDF: 30.5/34

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/81

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.355+/-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

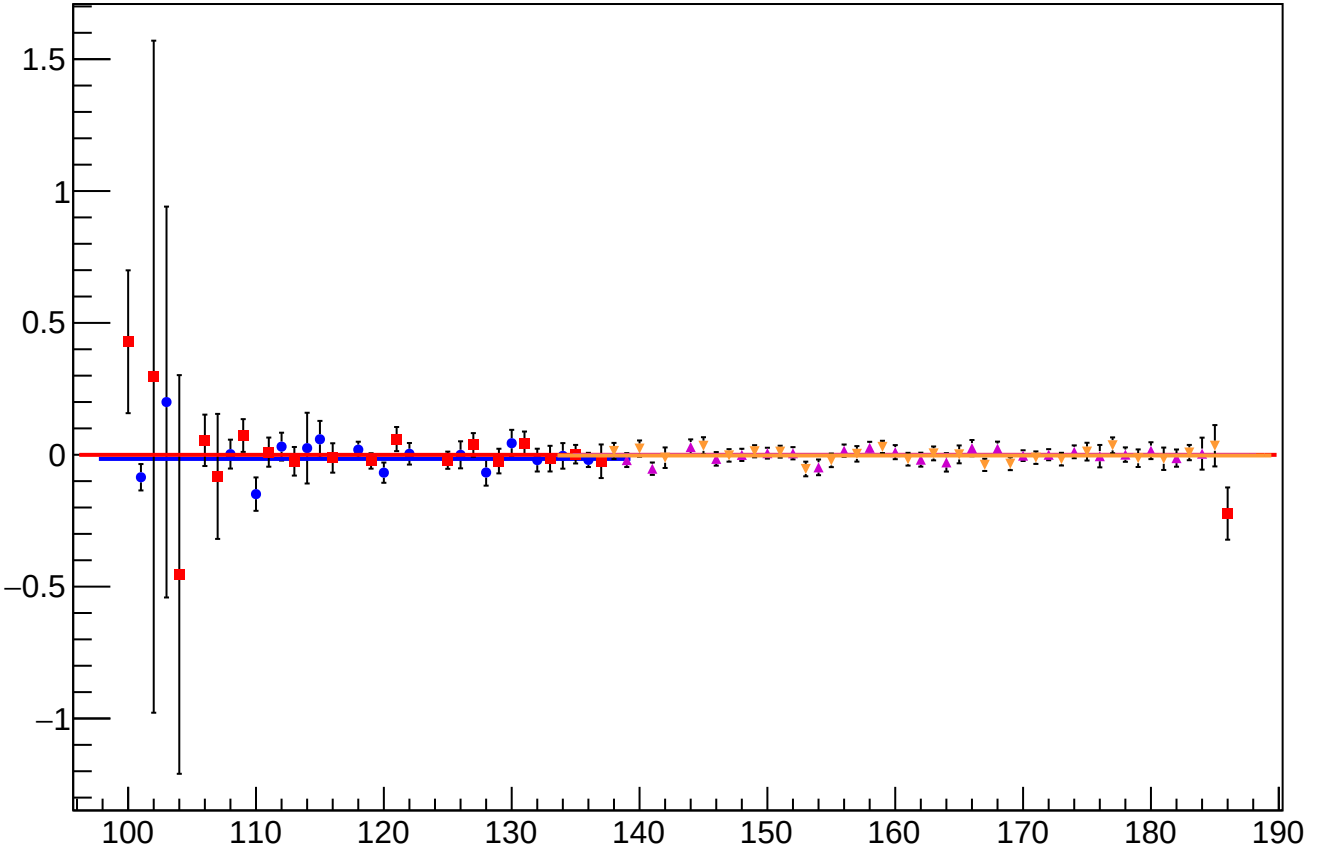
Right: 27.114+/-0.006 χ^2/NDF: 4432152.1/34

In: 22.233+/-0.003 χ^2/NDF:2858699.0/38

Out: 23.197+/-0.004 χ^2/NDF:3916182.9/42

All: 22.697+/-0.003 χ^2/NDF: 6811522.5/81

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-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

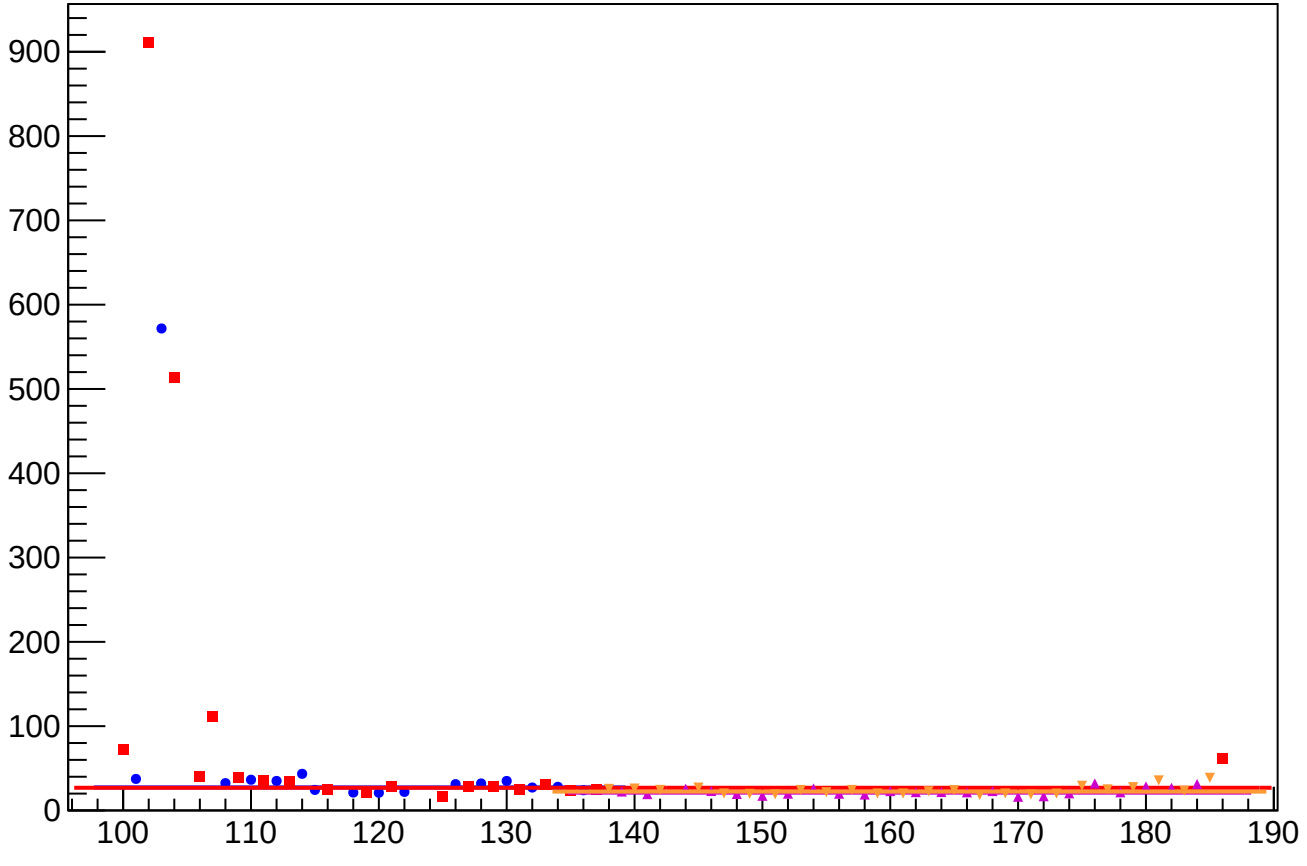
Right: -0.008+/-0.008 χ^2/NDF: 30.5/34

In: -0.004+/-0.005 χ^2/NDF:30.9/38

Out: -0.002+/-0.005 χ^2/NDF:31.4/42

All: -0.003+/-0.004 χ^2/NDF: 62.3/81

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.355+/-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

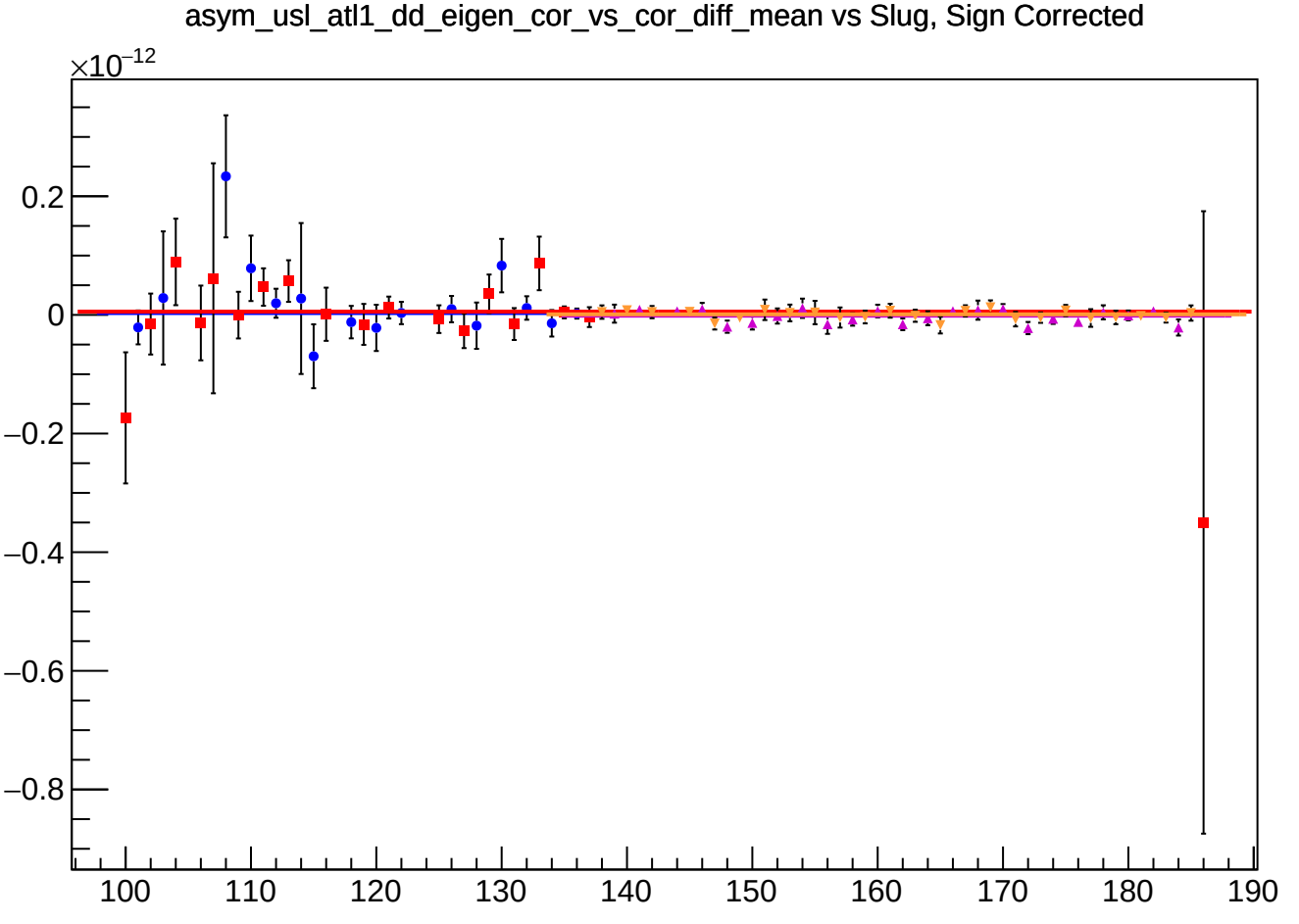
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 27.114+/-0.006 χ^2/NDF: 4432152.1/34

In: 22.233+/-0.003 χ^2/NDF:2858699.0/38

Out: 23.197+/-0.004 χ^2/NDF:3916182.9/42

All: 22.697+/-0.003 χ^2/NDF: 6811522.5/81



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

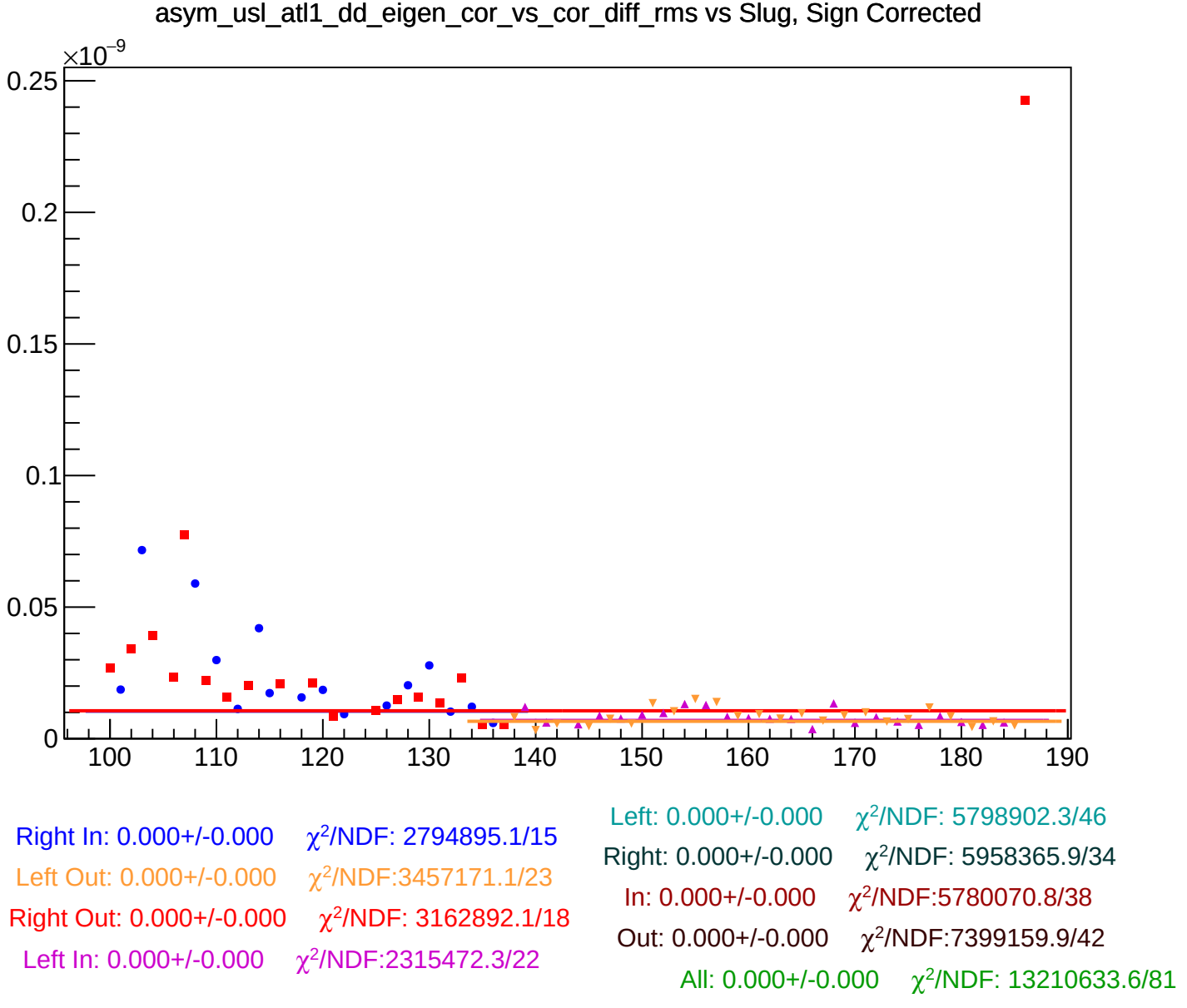
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

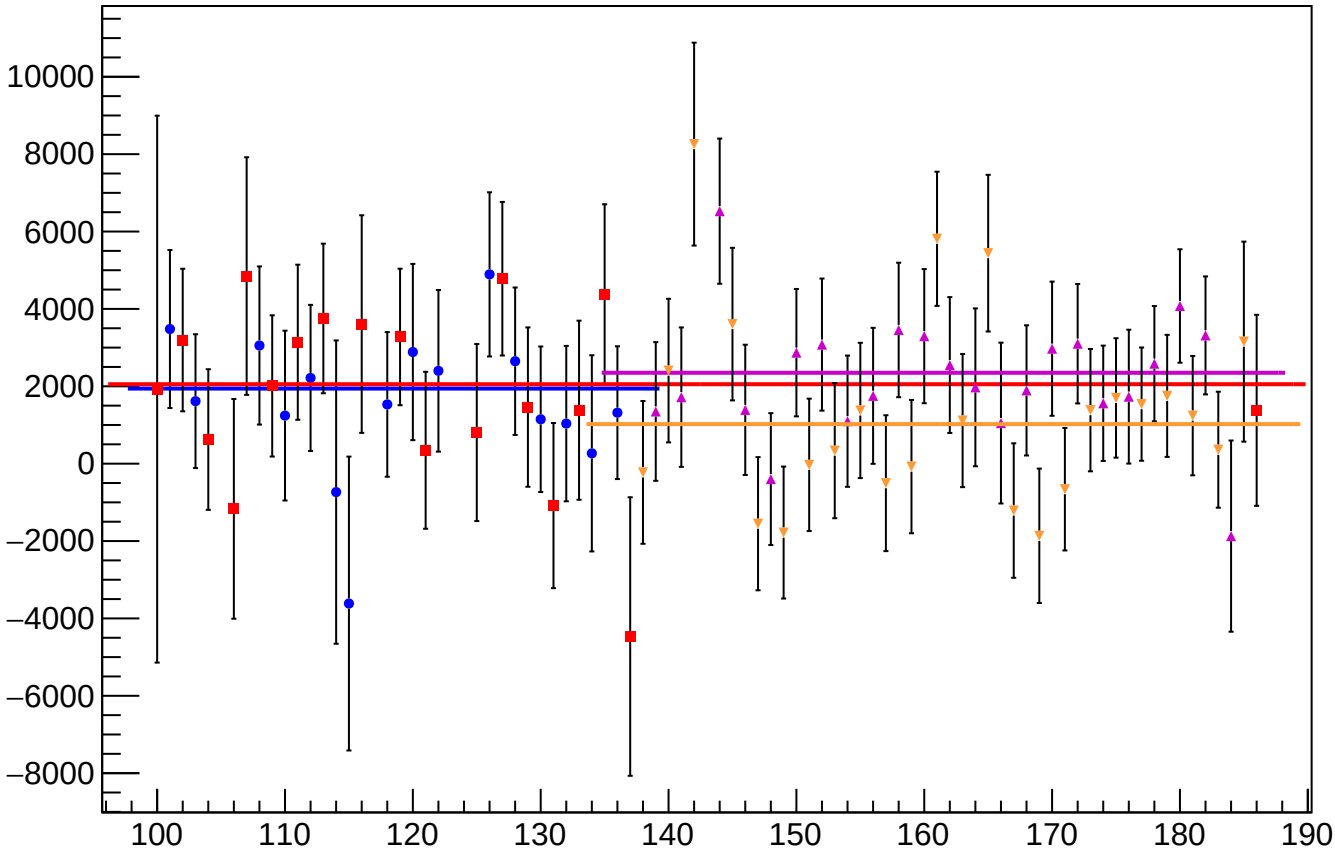
Right: 0.000+/-0.000 χ^2/NDF: 30.8/34

In: -0.000+/-0.000 χ^2/NDF:41.3/38

Out: 0.000+/-0.000 χ^2/NDF:27.8/42

All: 0.000+/-0.000 χ^2/NDF: 69.8/81


asym_usl_atl1_dd_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: 2794895.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3457171.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3162892.1/18
Left In: 0.000+/-0.000 χ²/NDF:2315472.3/22
Left: 0.000+/-0.000 χ²/NDF: 5798902.3/46
Right: 0.000+/-0.000 χ²/NDF: 5958365.9/34
In: 0.000+/-0.000 χ²/NDF:5780070.8/38
Out: 0.000+/-0.000 χ²/NDF:7399159.9/42
All: 0.000+/-0.000 χ²/NDF: 13210633.6/81



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

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

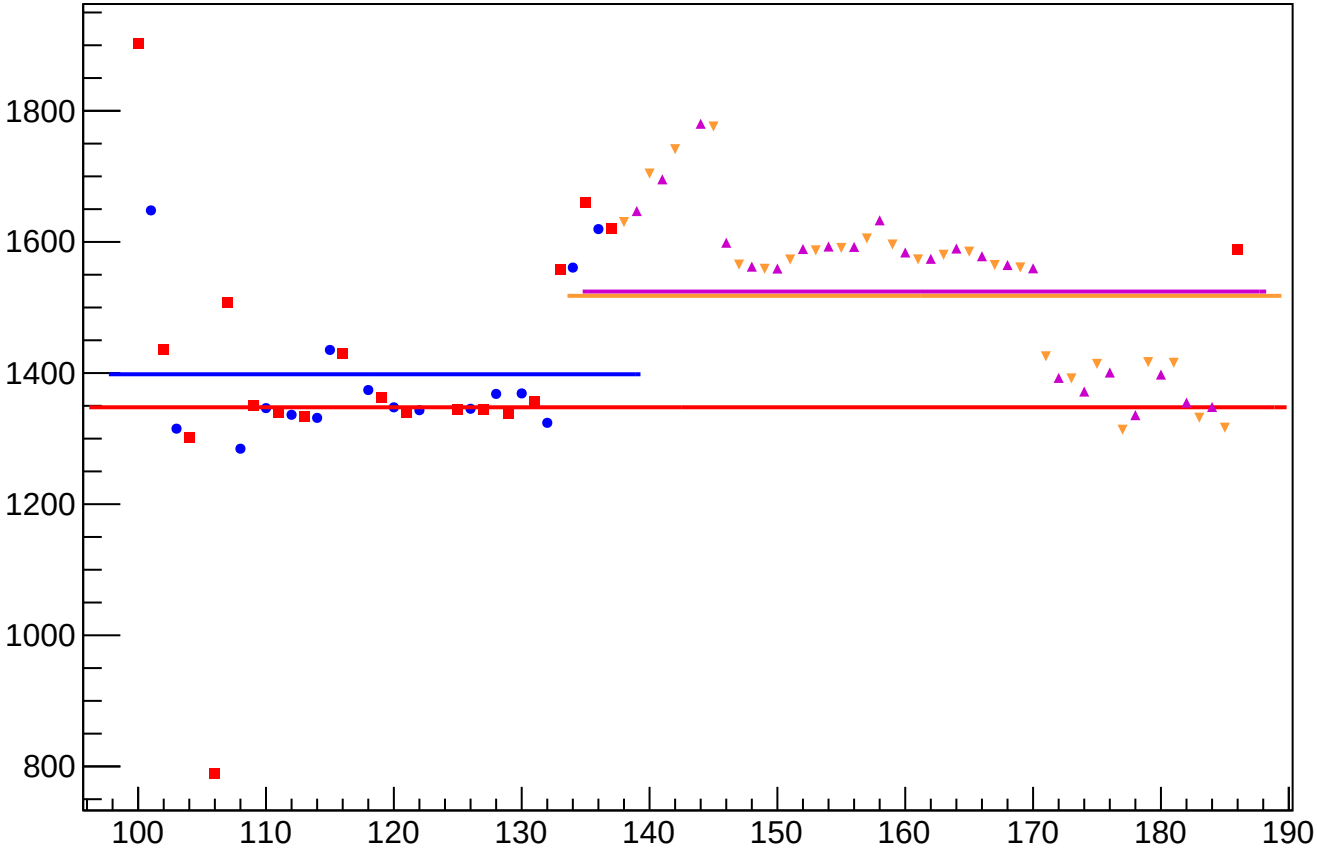
Right: 1999.021+/-364.282 χ^2/NDF: 21.5/34

In: 2219.126+/-294.746 χ^2/NDF:23.3/38

Out: 1358.665+/-290.221 χ^2/NDF:53.8/42

All: 1782.240+/-206.798 χ^2/NDF: 81.4/81

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

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

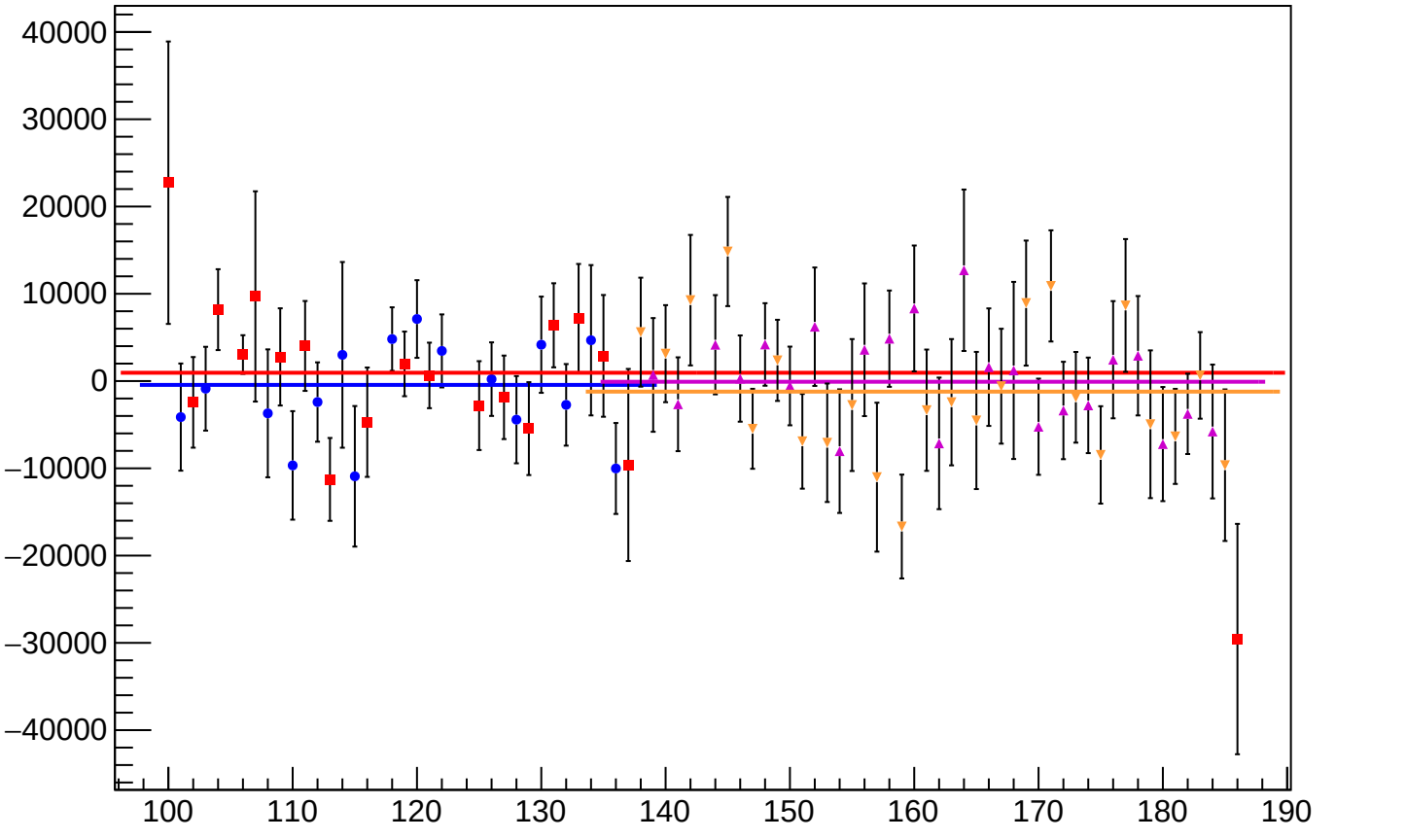
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1371.549+/-0.254 χ^2/NDF: 441259.2/34

In: 1484.120+/-0.208 χ^2/NDF:397785.4/38

Out: 1460.125+/-0.203 χ^2/NDF:728471.7/42

All: 1471.815+/-0.145 χ^2/NDF: 1133054.1/81



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

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

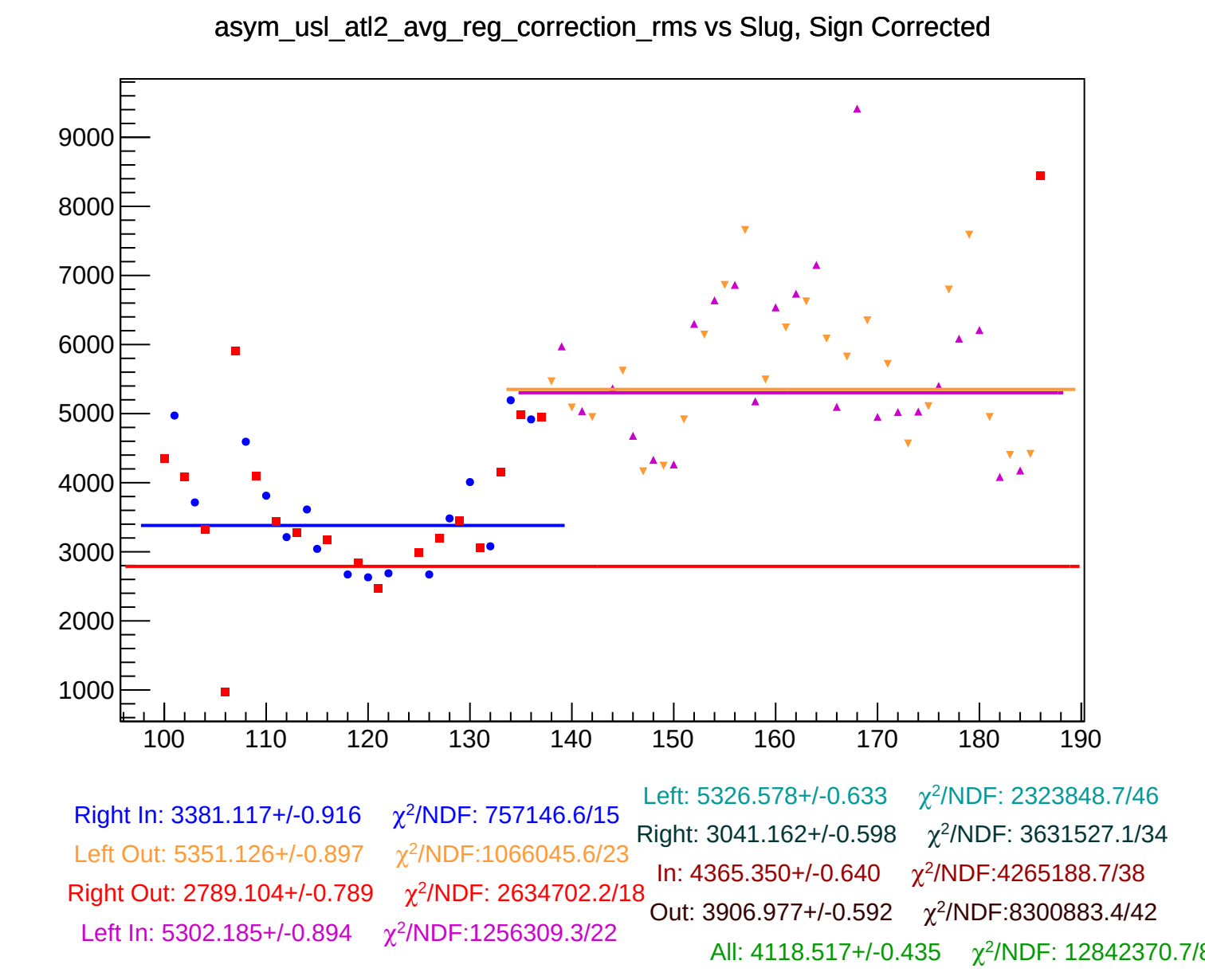
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

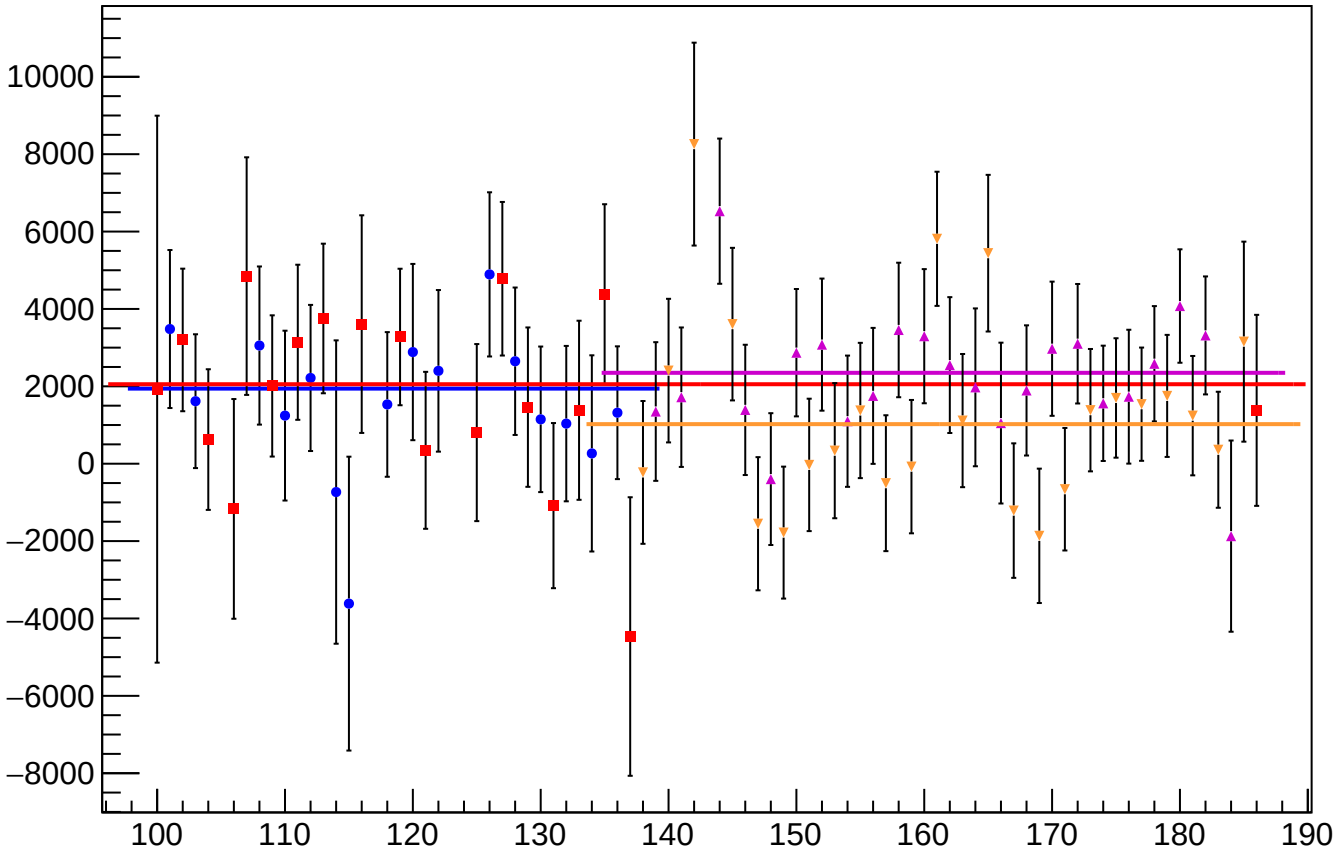
Right: 358.764+/-845.594 χ^2/NDF: 41.6/34

In: -256.513+/-904.976 χ^2/NDF:29.1/38

Out: 7.756+/-837.784 χ^2/NDF:59.9/42

All: -114.205+/-614.786 χ^2/NDF: 89.1/81


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 3381.117+/-0.916 χ²/NDF: 757146.6/15
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 2789.104+/-0.789 χ²/NDF: 2634702.2/18
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3041.162+/-0.598 χ²/NDF: 3631527.1/34
In: 4365.350+/-0.640 χ²/NDF:4265188.7/38
Out: 3906.977+/-0.592 χ²/NDF:8300883.4/42
All: 4118.517+/-0.435 χ²/NDF: 12842370.7/8



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

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

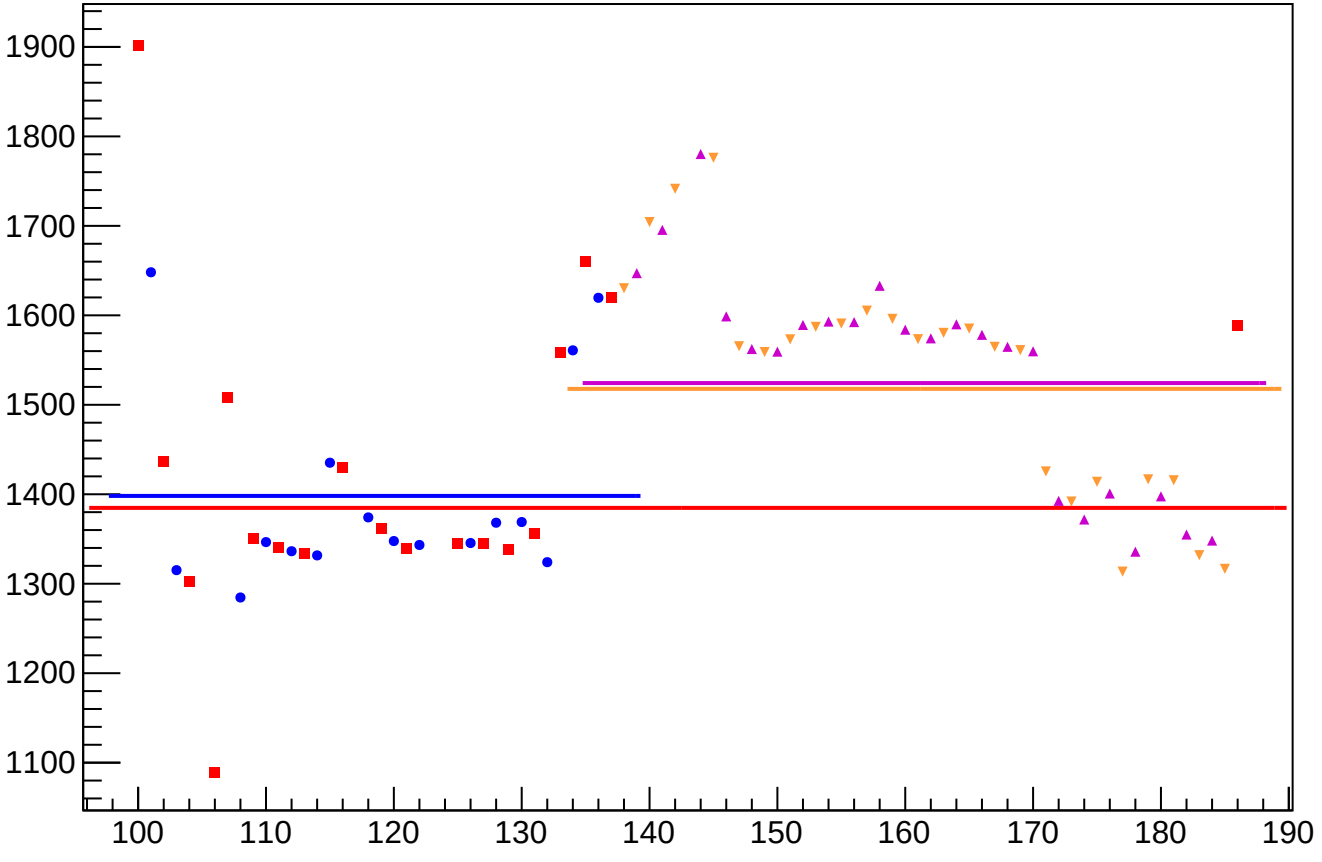
Right: 1999.152+/-364.283 χ^2/NDF: 21.5/34

In: 2219.142+/-294.746 χ^2/NDF:23.3/38

Out: 1358.749+/-290.221 χ^2/NDF:53.8/42

All: 1782.291+/-206.799 χ^2/NDF: 81.4/81

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

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

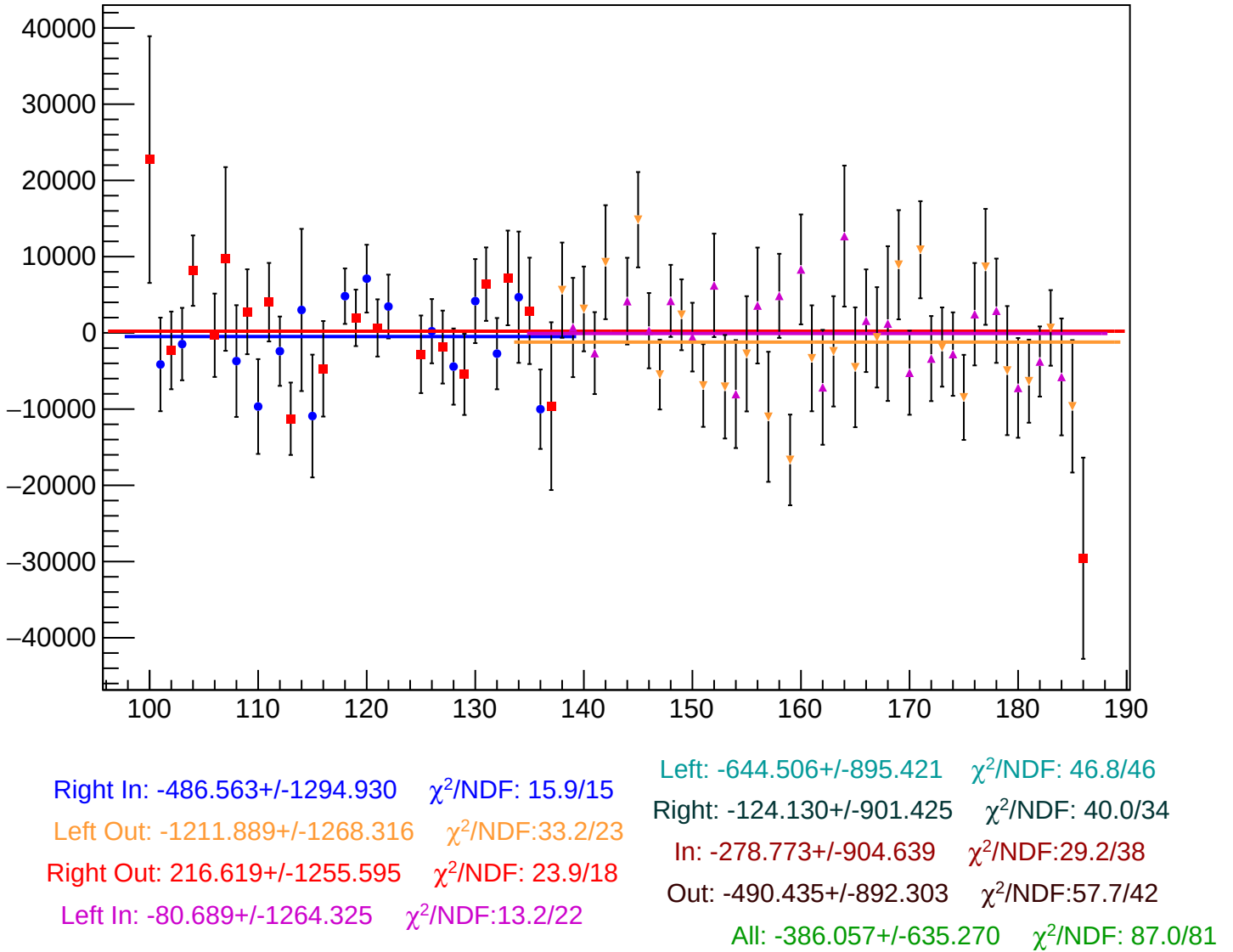
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1391.212+/-0.256 χ^2/NDF: 222794.9/34

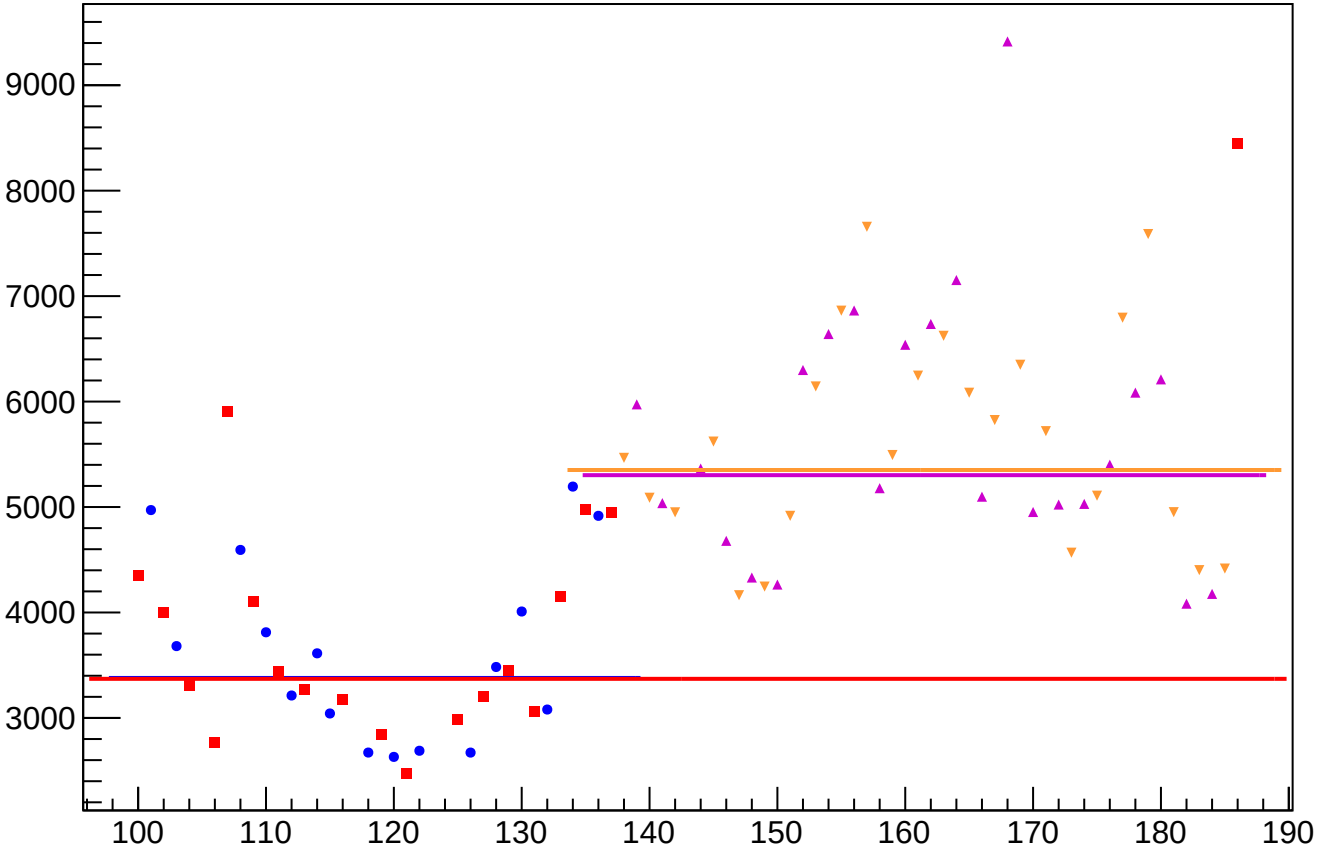
In: 1484.120+/-0.208 χ^2/NDF:397785.5/38

Out: 1473.722+/-0.204 χ^2/NDF:456045.5/42

All: 1478.819+/-0.146 χ^2/NDF: 855100.0/81


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: -486.563+/-1294.930 χ²/NDF: 15.9/15
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: -124.130+/-901.425 χ²/NDF: 40.0/34
In: -278.773+/-904.639 χ²/NDF:29.2/38
Out: -490.435+/-892.303 χ²/NDF:57.7/42
All: -386.057+/-635.270 χ²/NDF: 87.0/81

asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

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

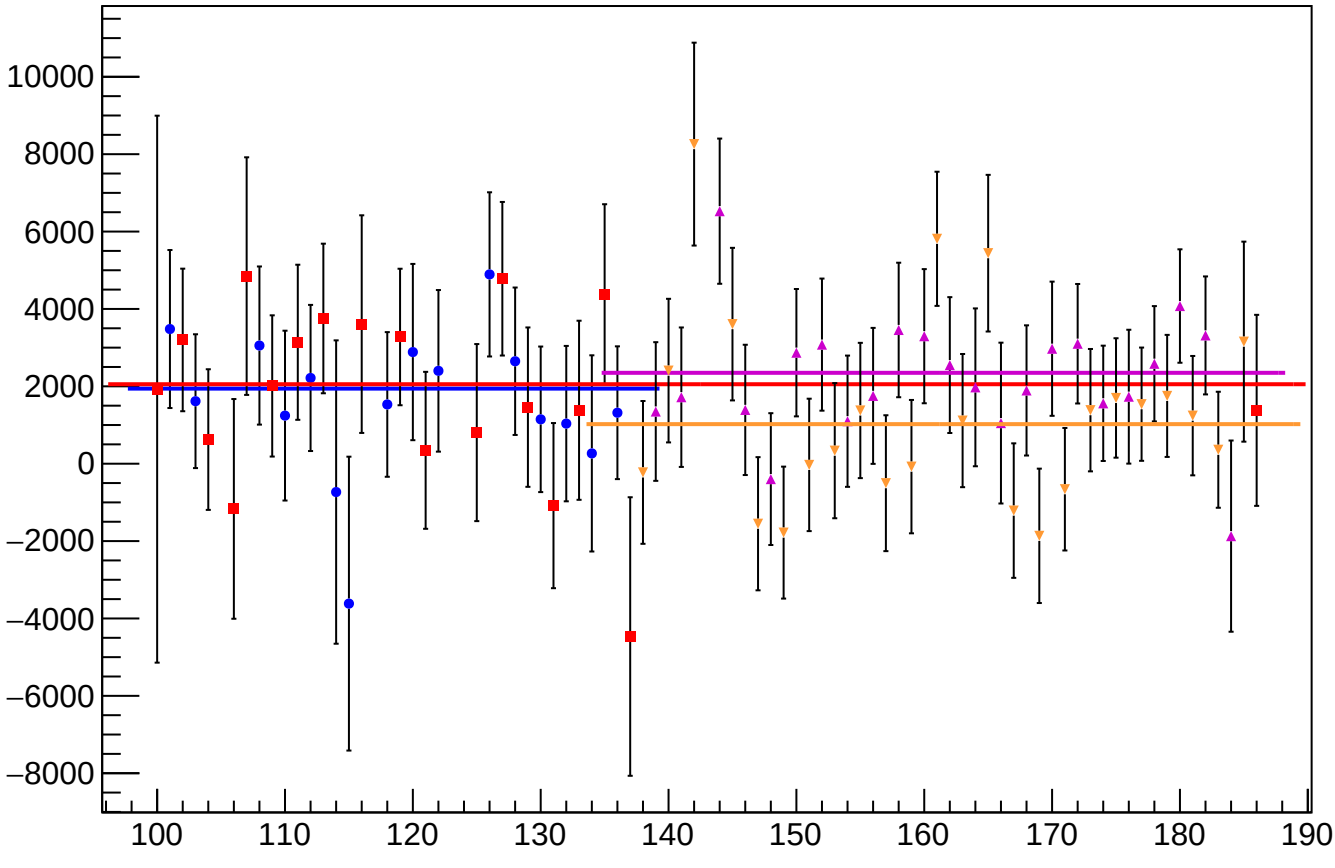
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3374.830+/-0.637 χ^2/NDF: 1597706.5/34

In: 4363.637+/-0.640 χ^2/NDF:4269847.6/38

Out: 4350.987+/-0.631 χ^2/NDF:4370851.8/42

All: 4357.225+/-0.449 χ^2/NDF: 8640897.6/81



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

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

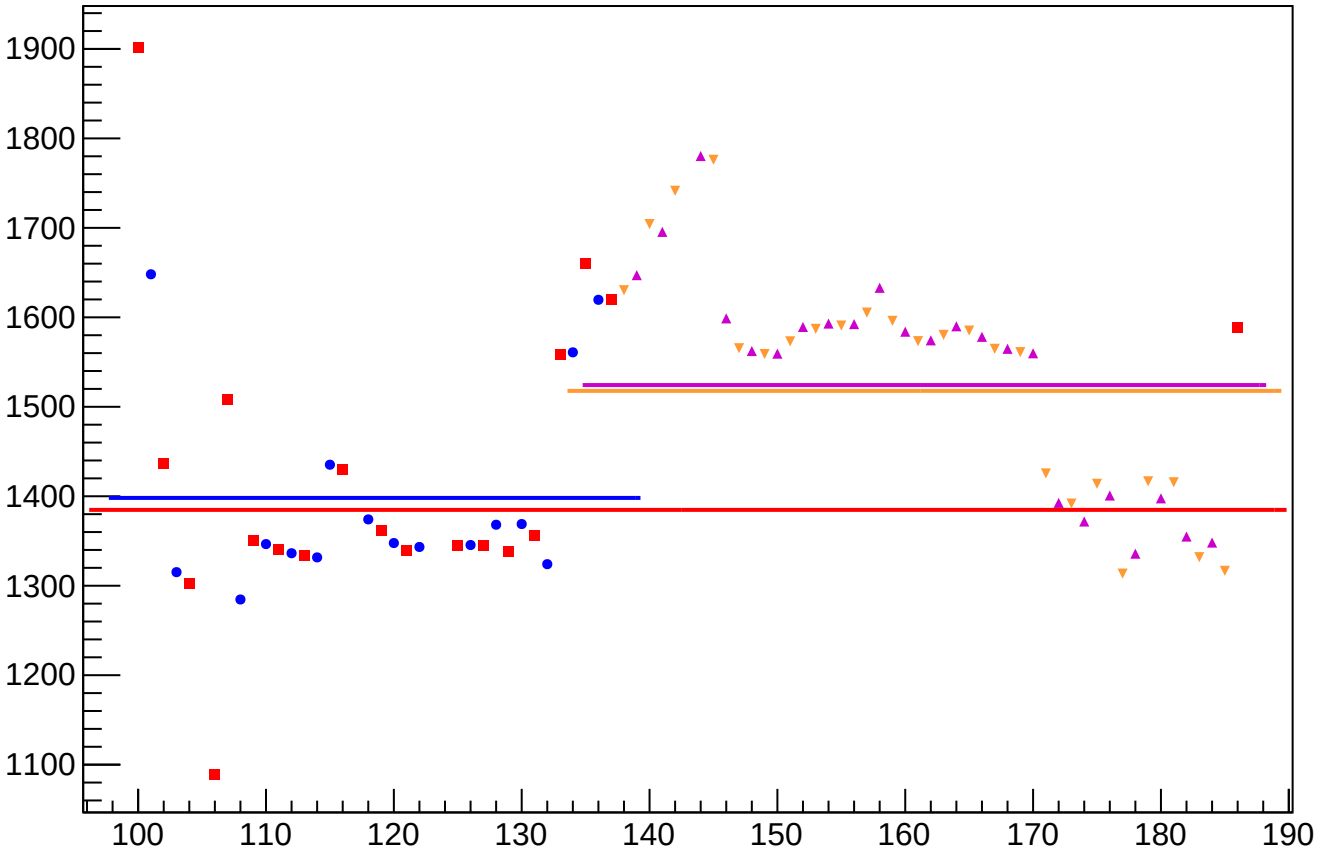
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1999.152+/-364.283 χ^2/NDF: 21.5/34

In: 2219.142+/-294.746 χ^2/NDF:23.3/38

Out: 1358.749+/-290.221 χ^2/NDF:53.8/42

All: 1782.291+/-206.799 χ^2/NDF: 81.4/81



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

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

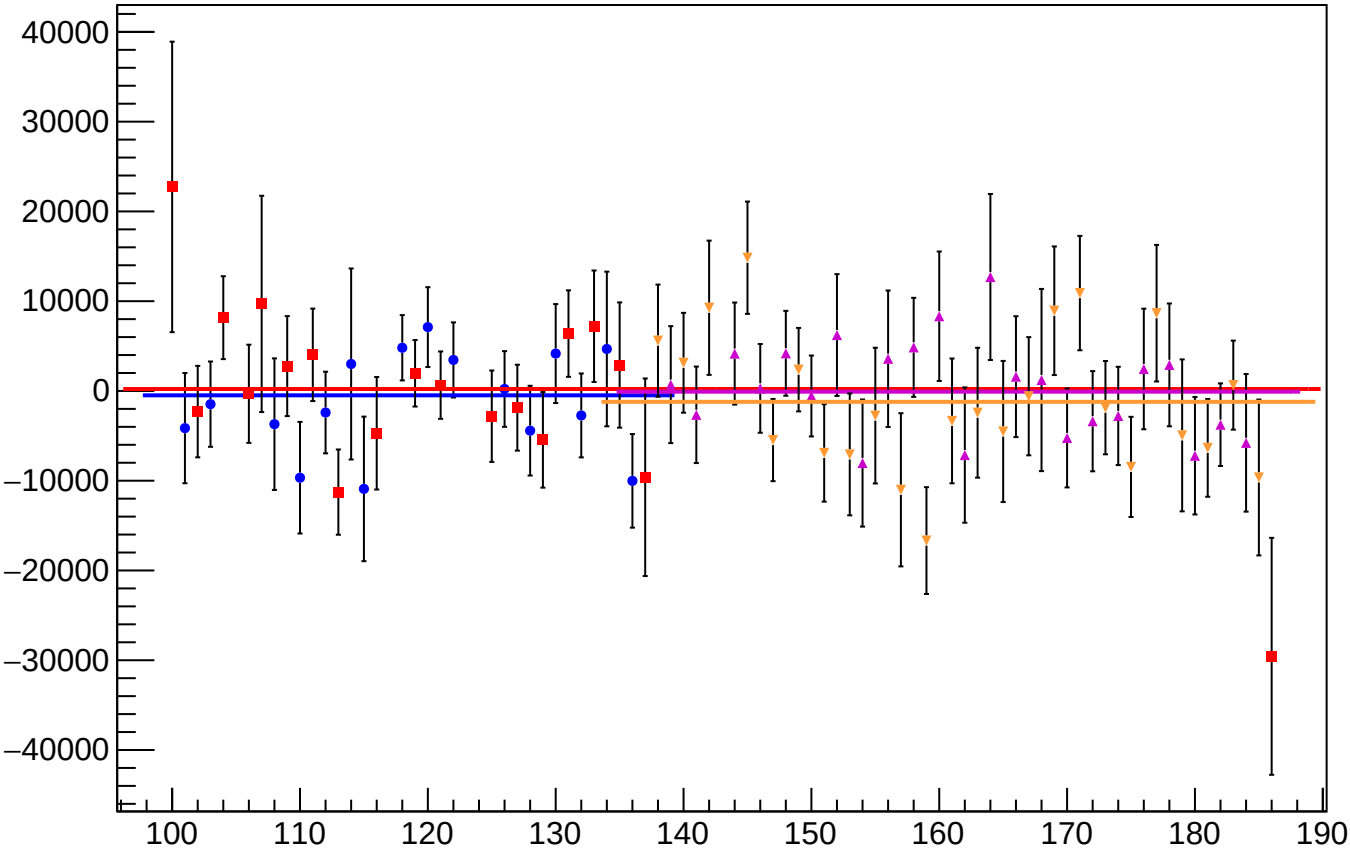
Right: 1391.212+/-0.256 χ^2/NDF: 222794.9/34

In: 1484.120+/-0.208 χ^2/NDF:397785.5/38

Out: 1473.722+/-0.204 χ^2/NDF:456045.5/42

All: 1478.819+/-0.146 χ^2/NDF: 855100.0/81

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -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

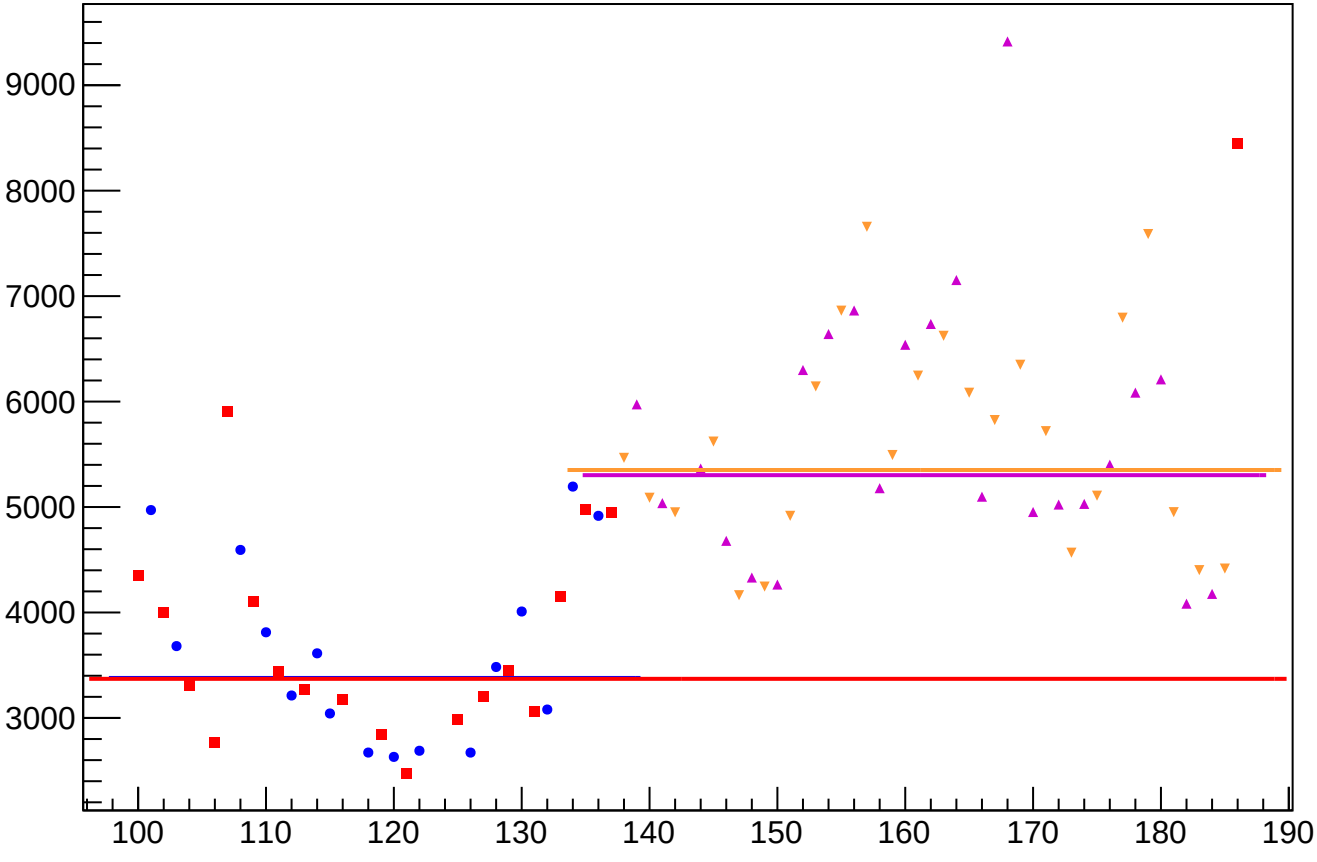
Right: -124.130+/-901.425 χ^2/NDF: 40.0/34

In: -278.773+/-904.639 χ^2/NDF:29.2/38

Out: -490.435+/-892.303 χ^2/NDF:57.7/42

All: -386.057+/-635.270 χ^2/NDF: 87.0/81

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 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

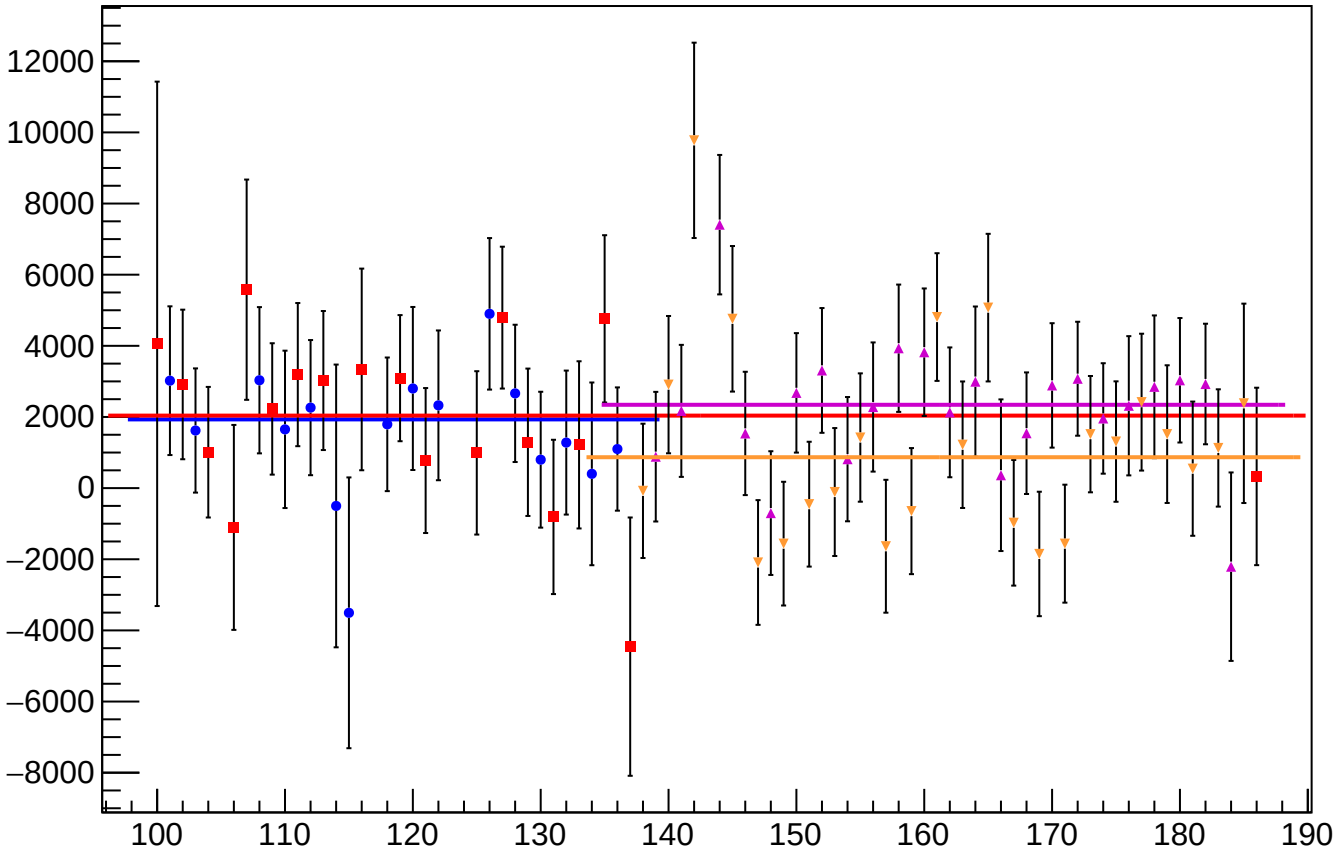
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3374.830+/-0.637 χ^2/NDF: 1597706.5/34

In: 4363.637+/-0.640 χ^2/NDF:4269847.6/38

Out: 4350.987+/-0.631 χ^2/NDF:4370851.8/42

All: 4357.225+/-0.449 χ^2/NDF: 8640897.6/81



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

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

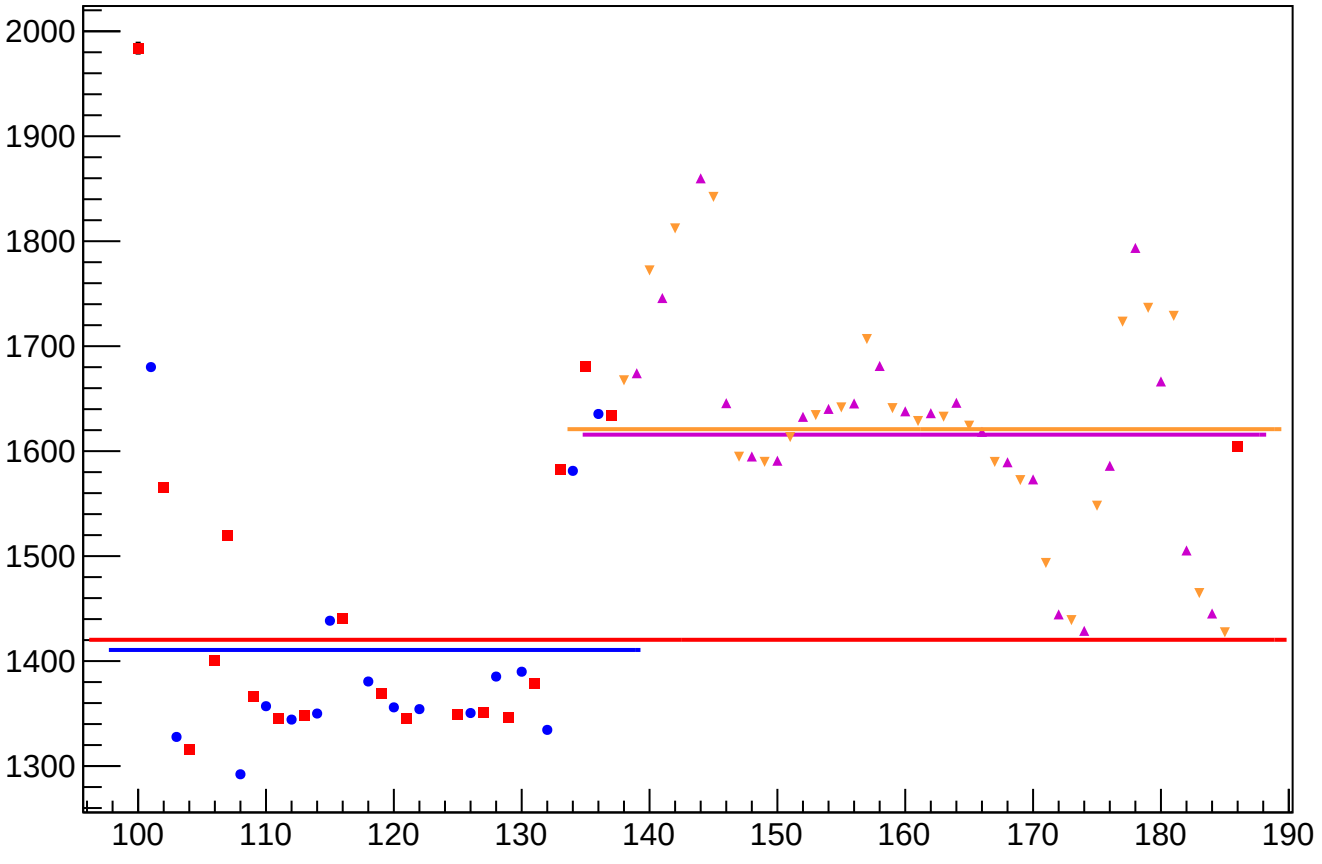
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 1985.936+/-369.216 χ^2/NDF: 20.1/34

In: 2202.756+/-307.245 χ^2/NDF:24.8/38

Out: 1274.489+/-304.770 χ^2/NDF:56.8/42

All: 1734.868+/-216.375 χ^2/NDF: 86.2/81



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

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

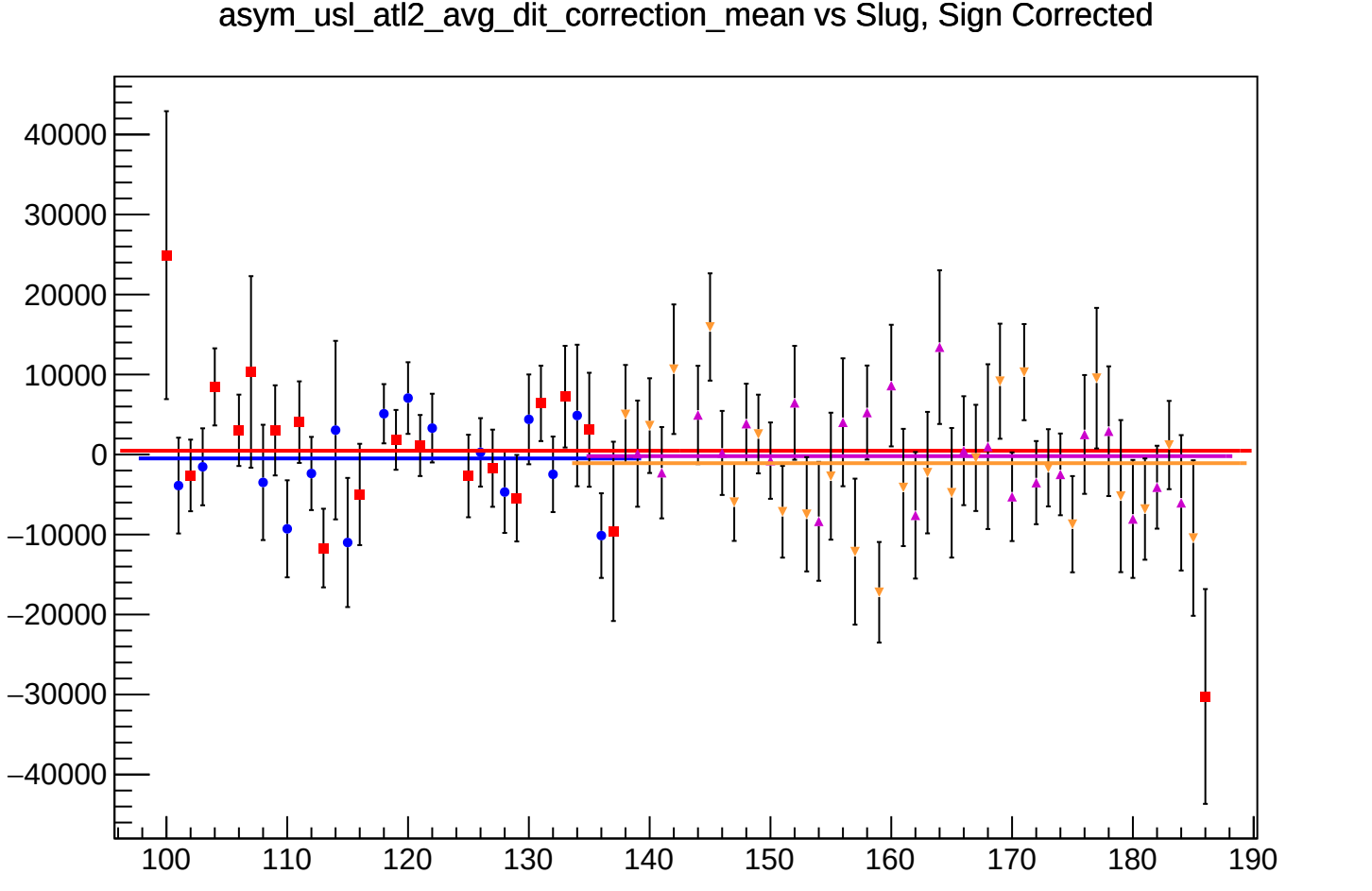
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1415.543+/-0.261 χ^2/NDF: 200595.3/34

In: 1546.024+/-0.217 χ^2/NDF:436220.9/38

Out: 1551.063+/-0.215 χ^2/NDF:440220.7/42

All: 1548.566+/-0.153 χ^2/NDF: 876713.0/81



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 475.156+/-1242.590 χ^2/NDF: 24.5/18

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

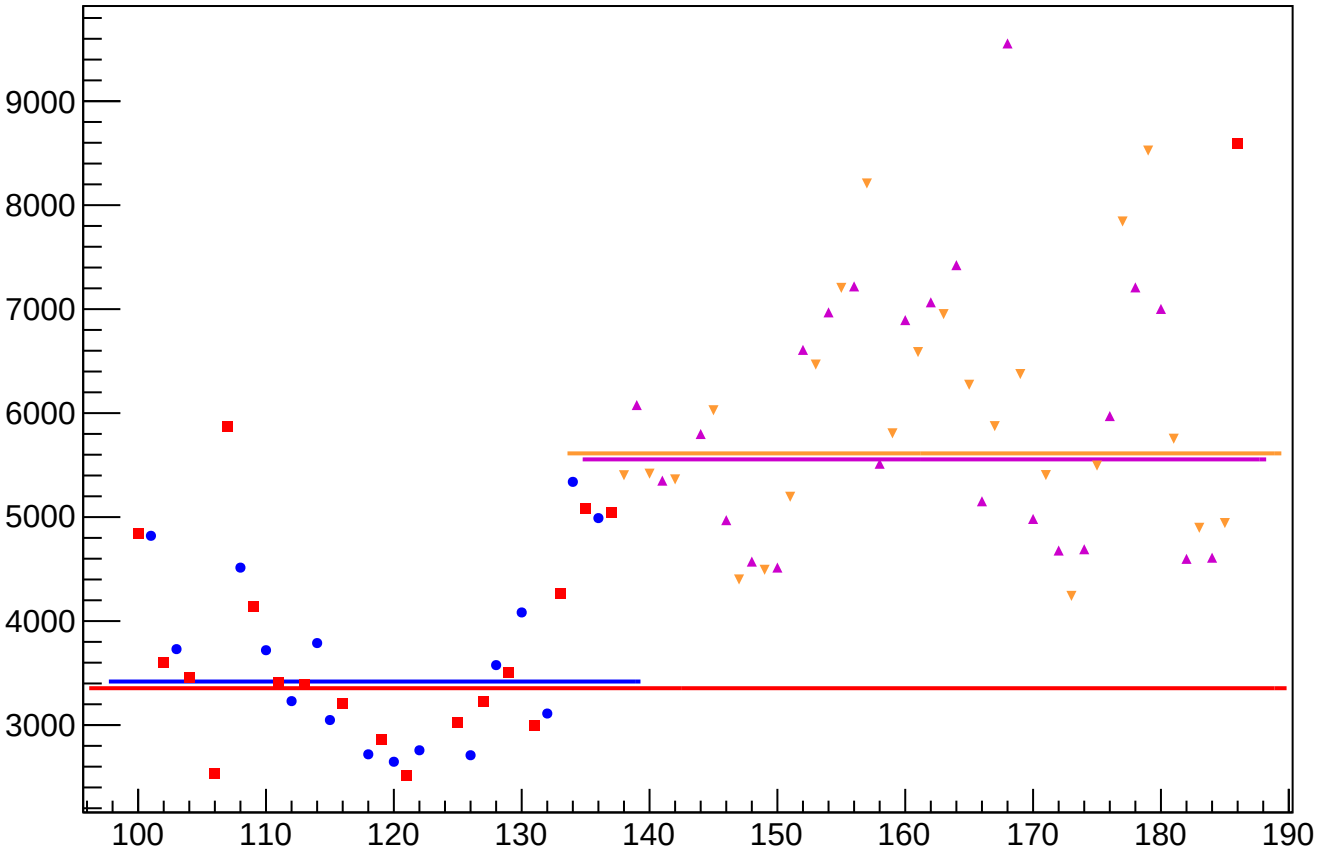
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: 17.851+/-901.106 χ^2/NDF: 40.6/34

In: -347.441+/-931.504 χ^2/NDF:28.8/38

Out: -249.284+/-908.737 χ^2/NDF:58.1/42

All: -297.149+/-650.474 χ^2/NDF: 86.9/81



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

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

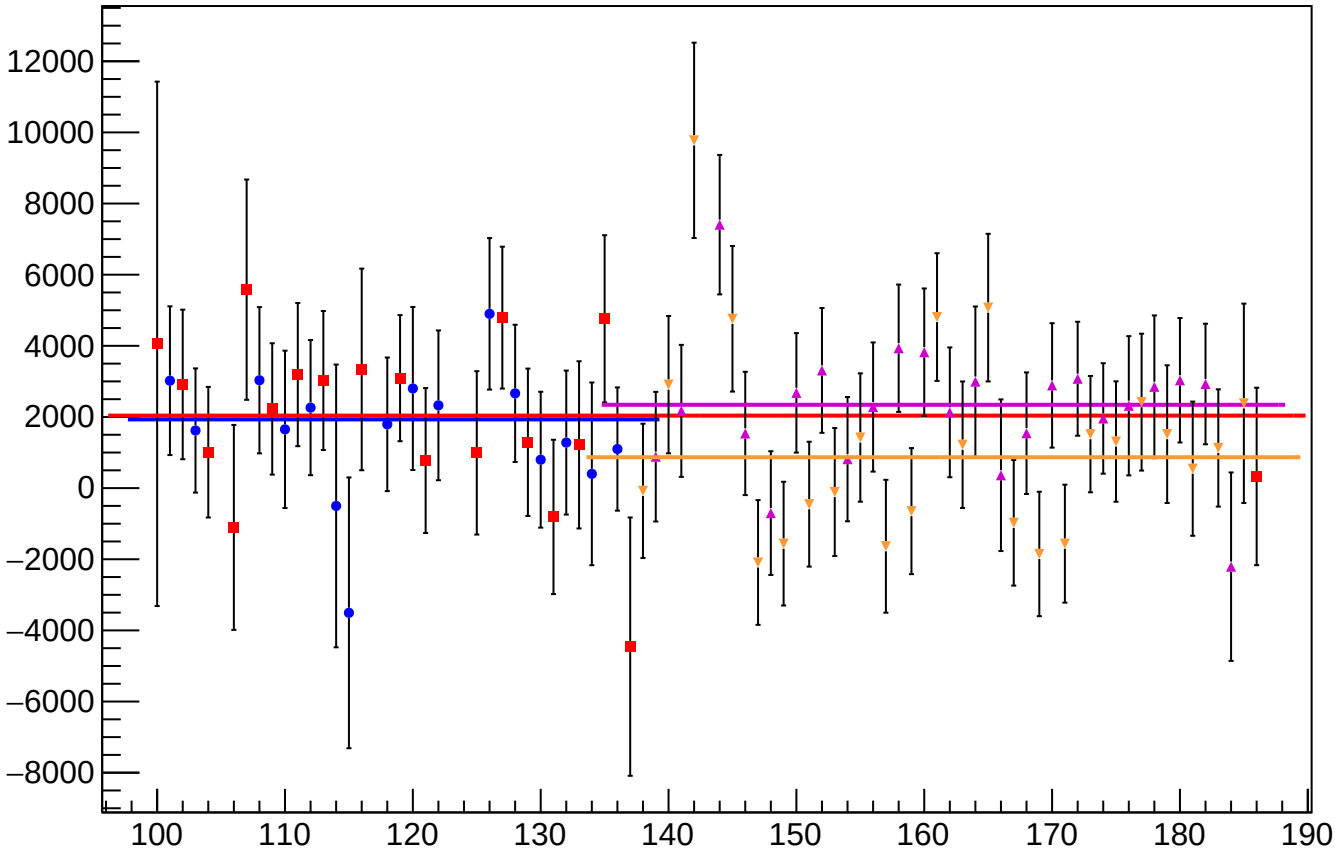
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3384.872+/-0.637 χ^2/NDF: 1602783.9/34

In: 4472.641+/-0.659 χ^2/NDF:4683354.6/38

Out: 4404.879+/-0.643 χ^2/NDF:5140162.0/42

All: 4437.922+/-0.460 χ^2/NDF: 9828939.3/81



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

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

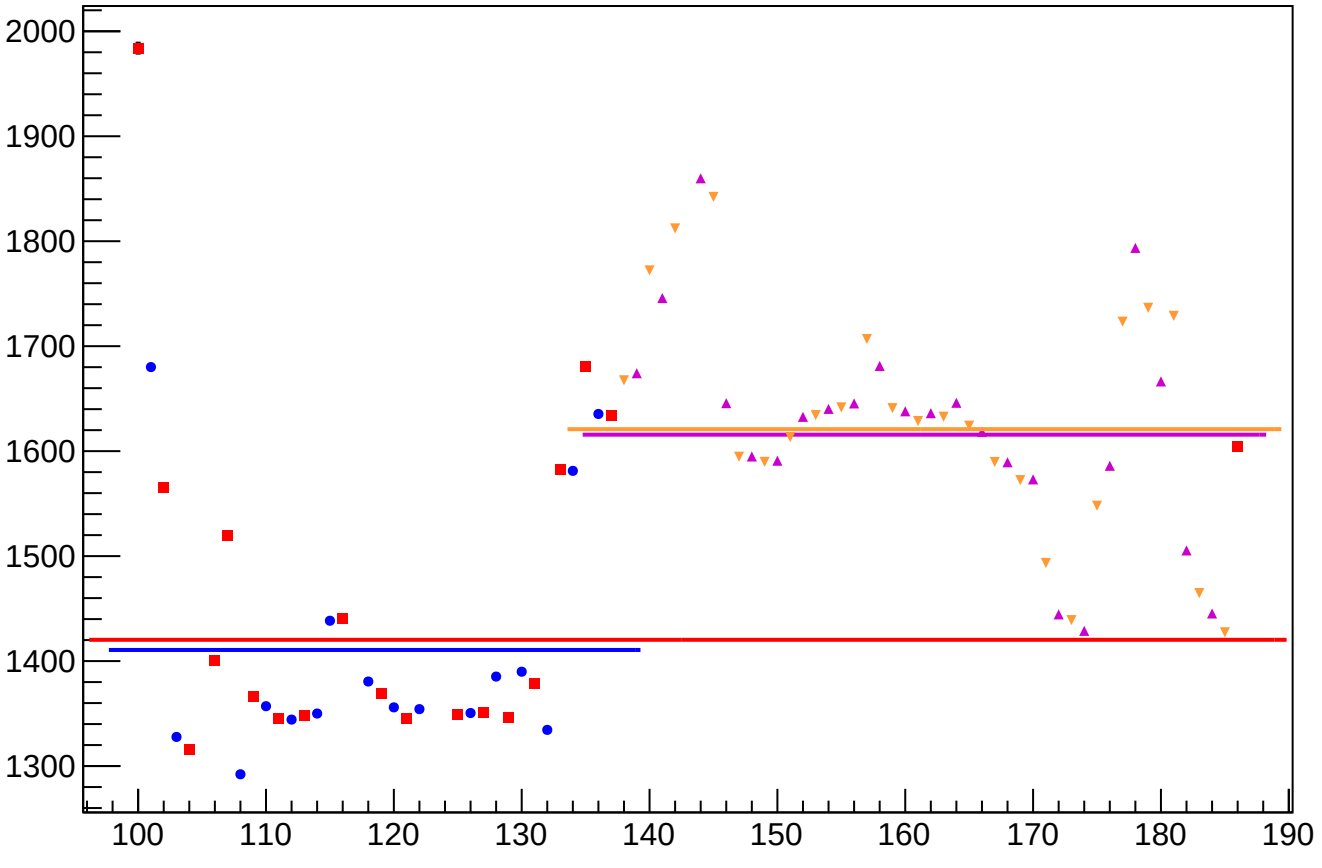
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1985.938+/-369.216 χ^2/NDF: 20.1/34

In: 2202.756+/-307.245 χ^2/NDF:24.8/38

Out: 1274.487+/-304.770 χ^2/NDF:56.8/42

All: 1734.867+/-216.375 χ^2/NDF: 86.2/81



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

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

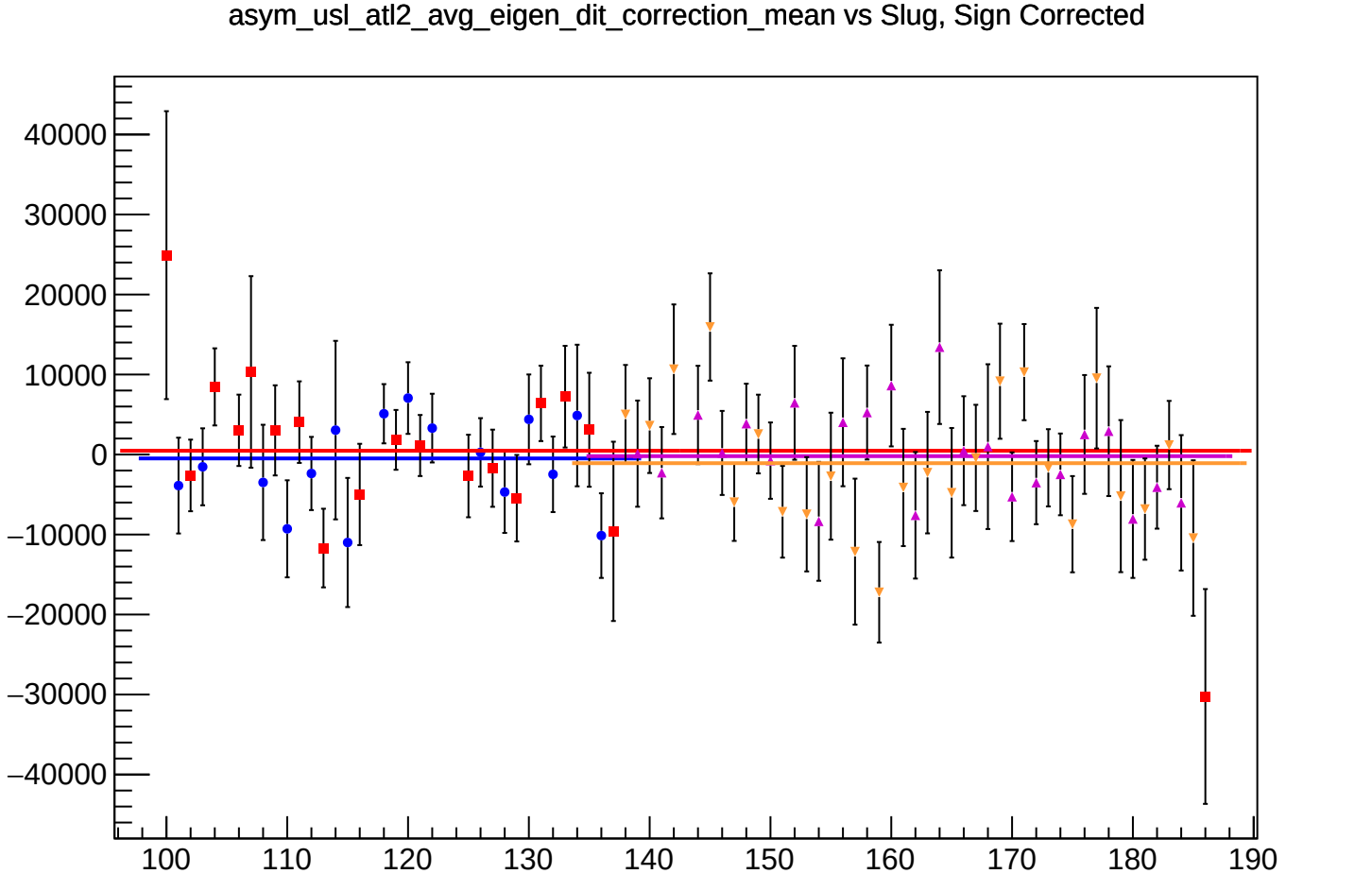
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1415.543+/-0.261 χ^2/NDF: 200595.2/34

In: 1546.025+/-0.217 χ^2/NDF:436227.9/38

Out: 1551.064+/-0.215 χ^2/NDF:440228.3/42

All: 1548.567+/-0.153 χ^2/NDF: 876727.6/81



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 475.160+/-1242.587 χ^2/NDF: 24.5/18

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

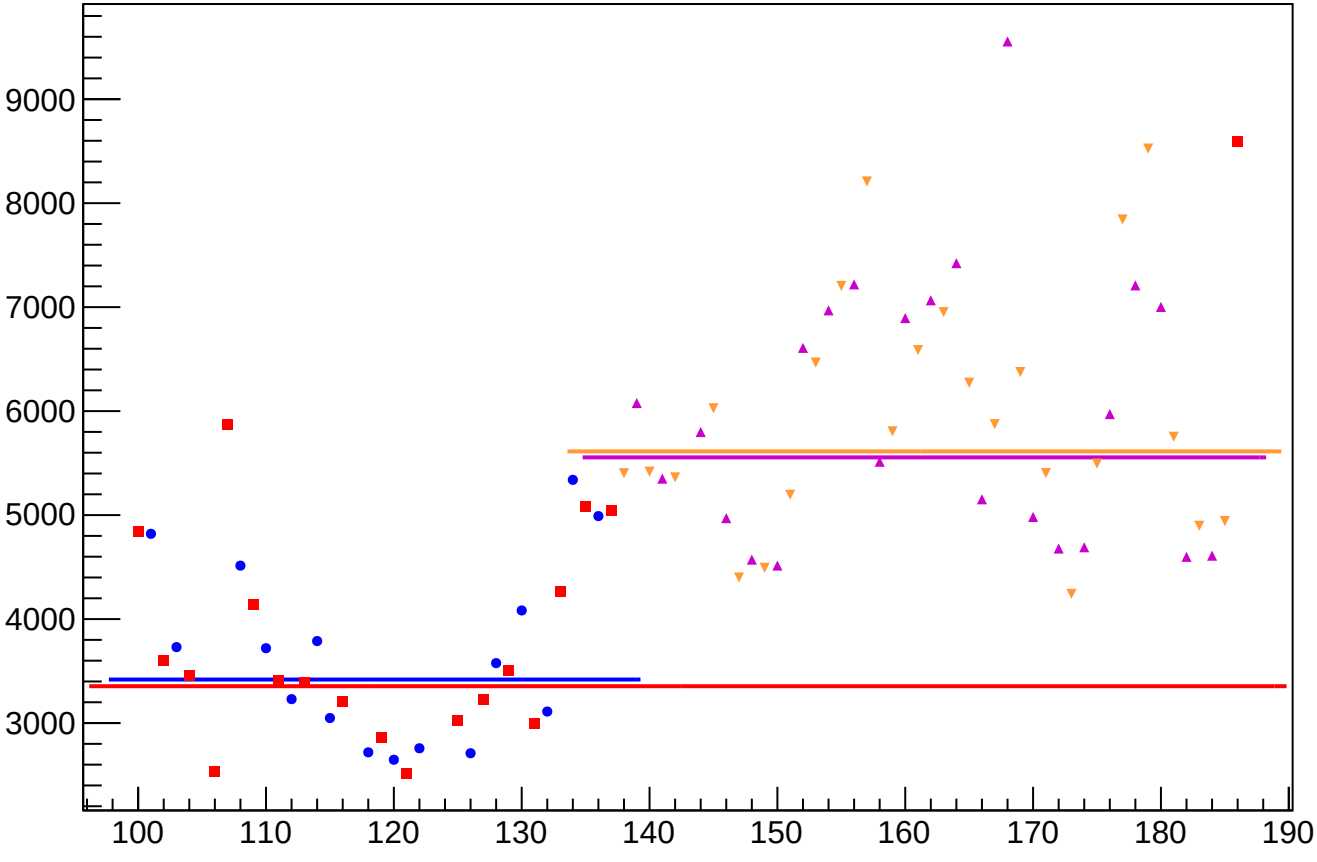
Right: 17.856+/-901.104 χ^2/NDF: 40.6/34

In: -347.439+/-931.503 χ^2/NDF:28.8/38

Out: -249.282+/-908.737 χ^2/NDF:58.1/42

All: -297.146+/-650.474 χ^2/NDF: 86.9/81

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 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

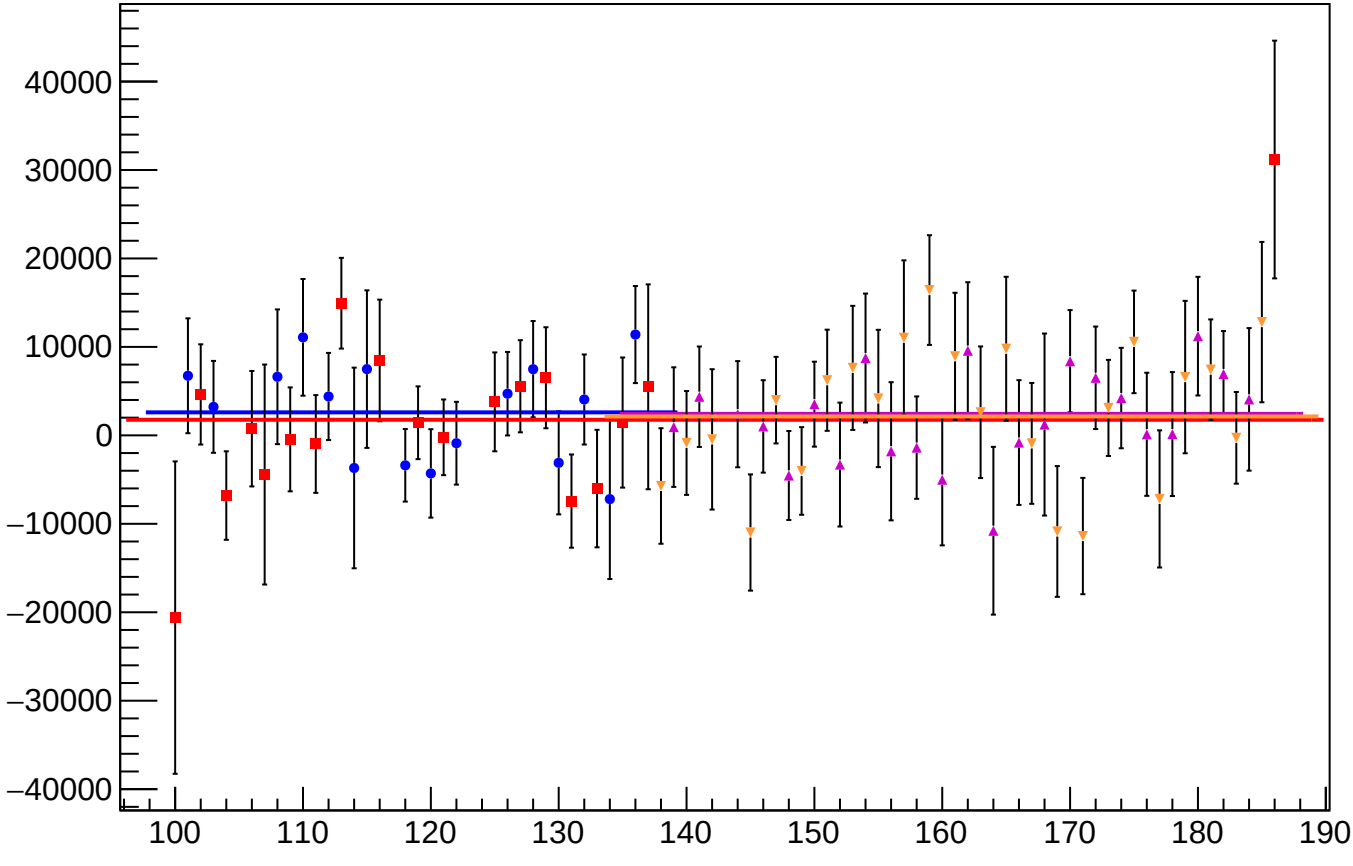
Right: 3384.861+/-0.637 χ^2/NDF: 1602797.6/34

In: 4472.634+/-0.659 χ^2/NDF:4683416.5/38

Out: 4404.873+/-0.643 χ^2/NDF:5140222.7/42

All: 4437.915+/-0.460 χ^2/NDF: 9829061.9/81

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

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

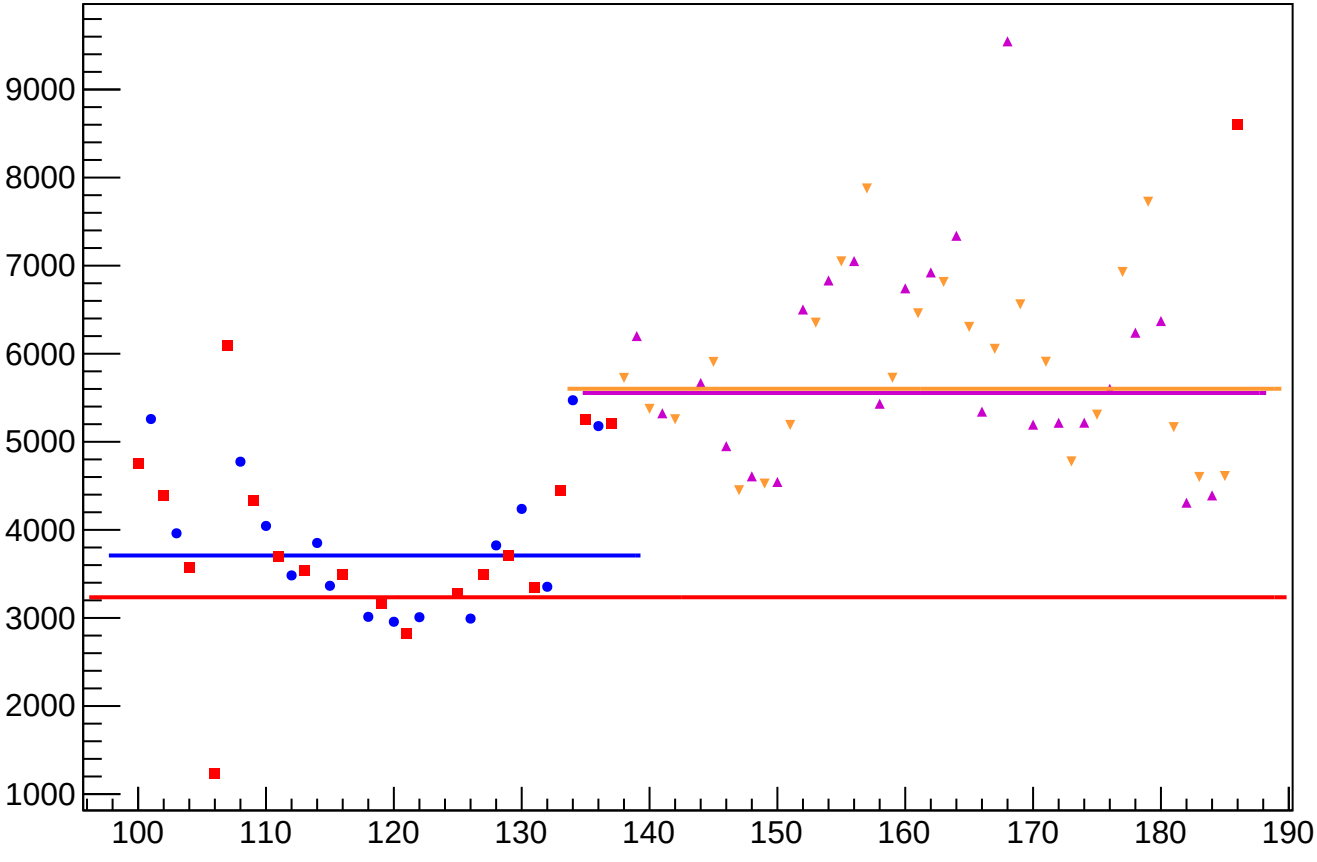
Right: 2169.116+/-986.144 χ^2/NDF: 37.5/34

In: 2507.988+/-965.482 χ^2/NDF:26.4/38

Out: 1957.190+/-954.059 χ^2/NDF:54.6/42

All: 2229.312+/-678.624 χ^2/NDF: 81.1/81

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

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

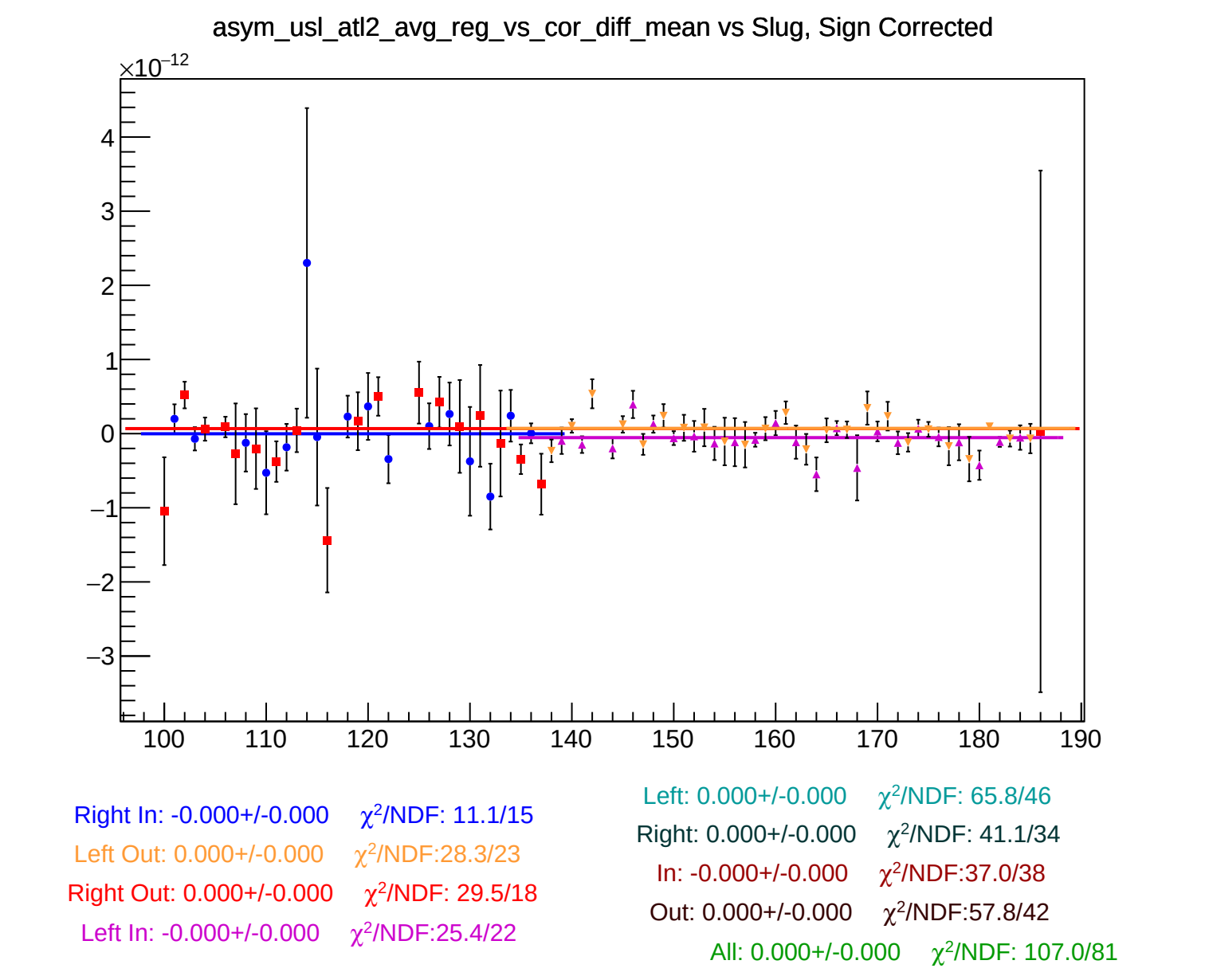
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

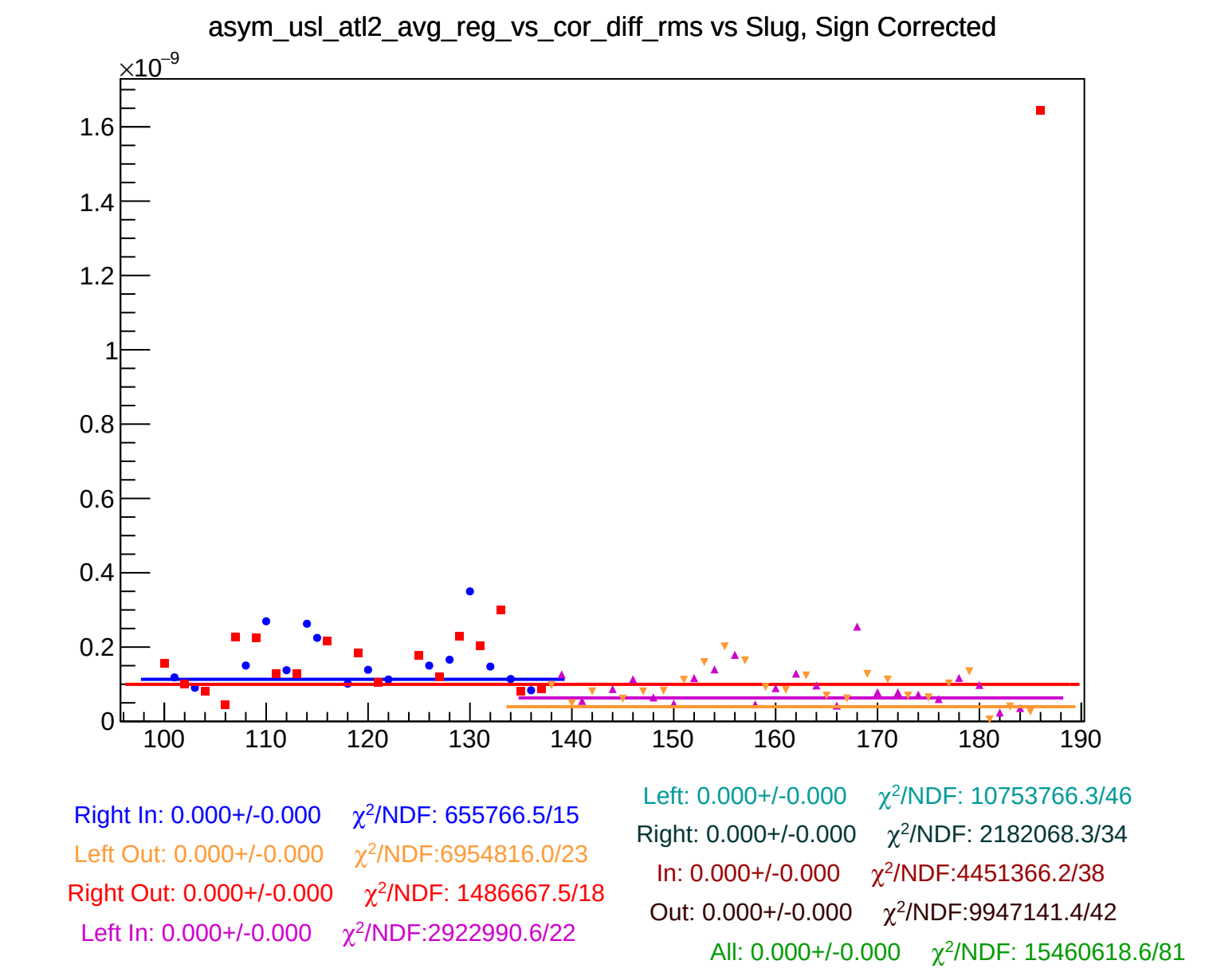
Right: 3444.884+/-0.666 χ^2/NDF: 2668748.6/34

In: 4694.532+/-0.683 χ^2/NDF:3540011.9/38

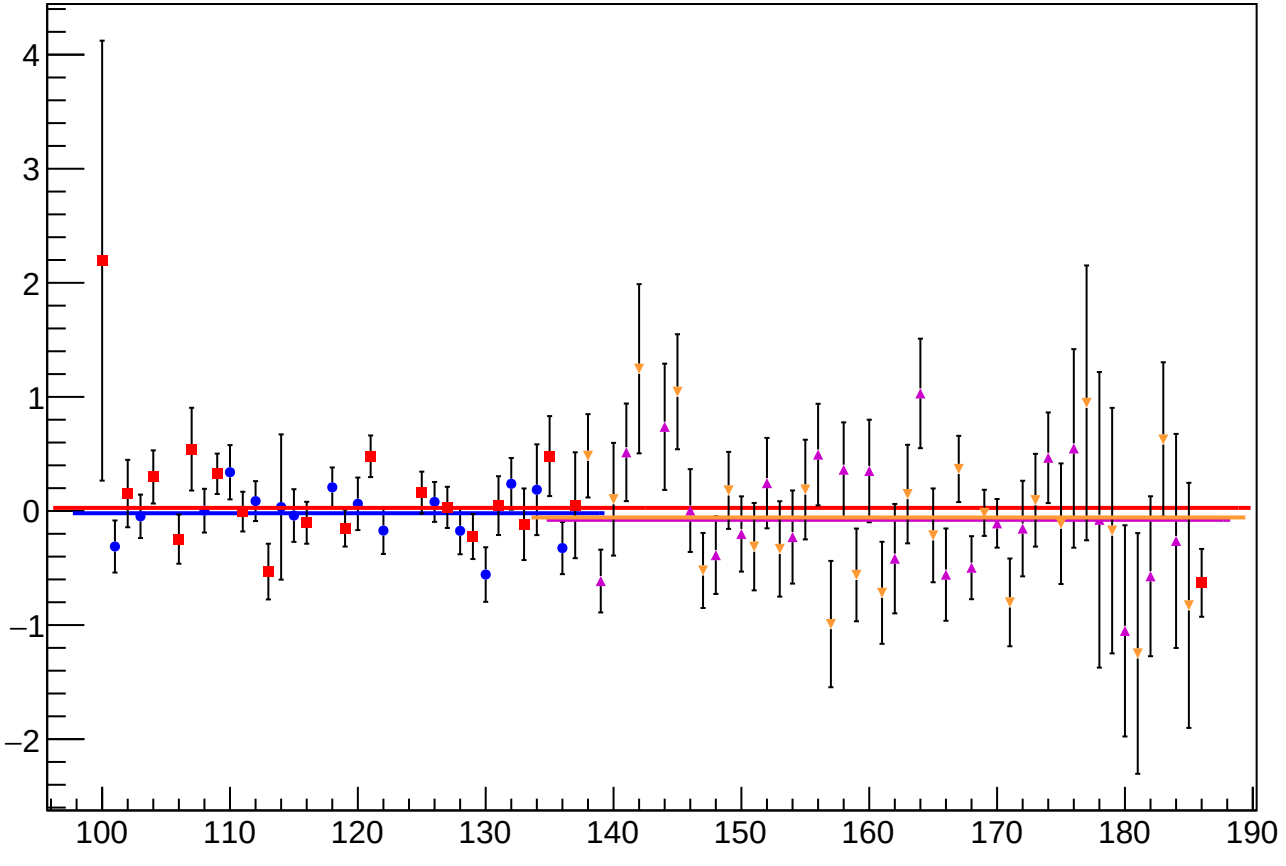
Out: 4360.503+/-0.646 χ^2/NDF:6225307.7/42

All: 4518.233+/-0.469 χ^2/NDF: 9891669.7/81


asym_usl_atl2_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: 11.1/15
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: 41.1/34
In: -0.000+/-0.000 χ²/NDF:37.0/38
Out: 0.000+/-0.000 χ²/NDF:57.8/42
All: 0.000+/-0.000 χ²/NDF: 107.0/81


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
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: 655766.5/15
Left Out: 0.000+/-0.000 χ²/NDF:6954816.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 1486667.5/18
Left In: 0.000+/-0.000 χ²/NDF:2922990.6/22
Left: 0.000+/-0.000 χ²/NDF: 10753766.3/46
Right: 0.000+/-0.000 χ²/NDF: 2182068.3/34
In: 0.000+/-0.000 χ²/NDF:4451366.2/38
Out: 0.000+/-0.000 χ²/NDF:9947141.4/42
All: 0.000+/-0.000 χ²/NDF: 15460618.6/81

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-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

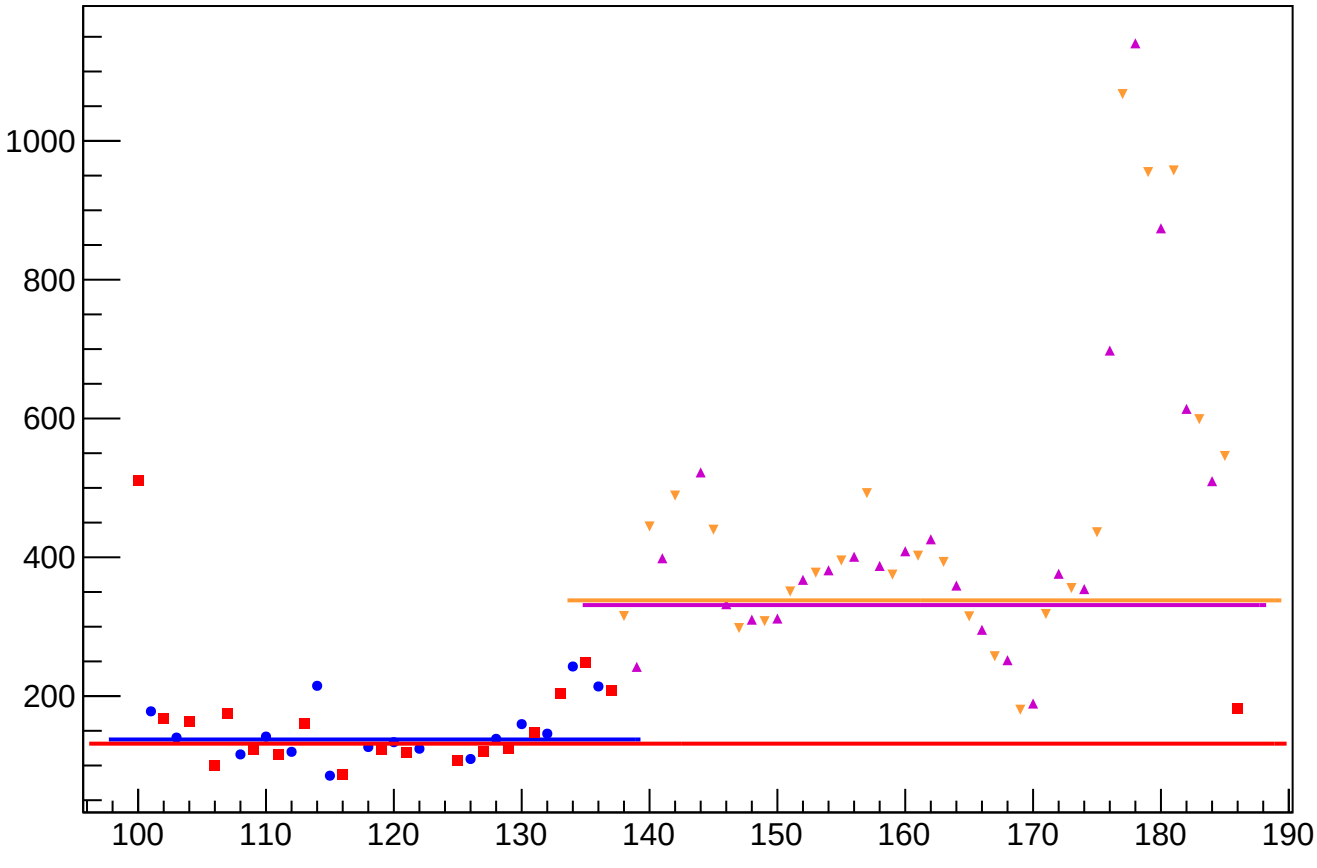
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.005+/-0.037 χ^2/NDF: 47.7/34

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.016+/-0.032 χ^2/NDF: 106.2/81



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

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

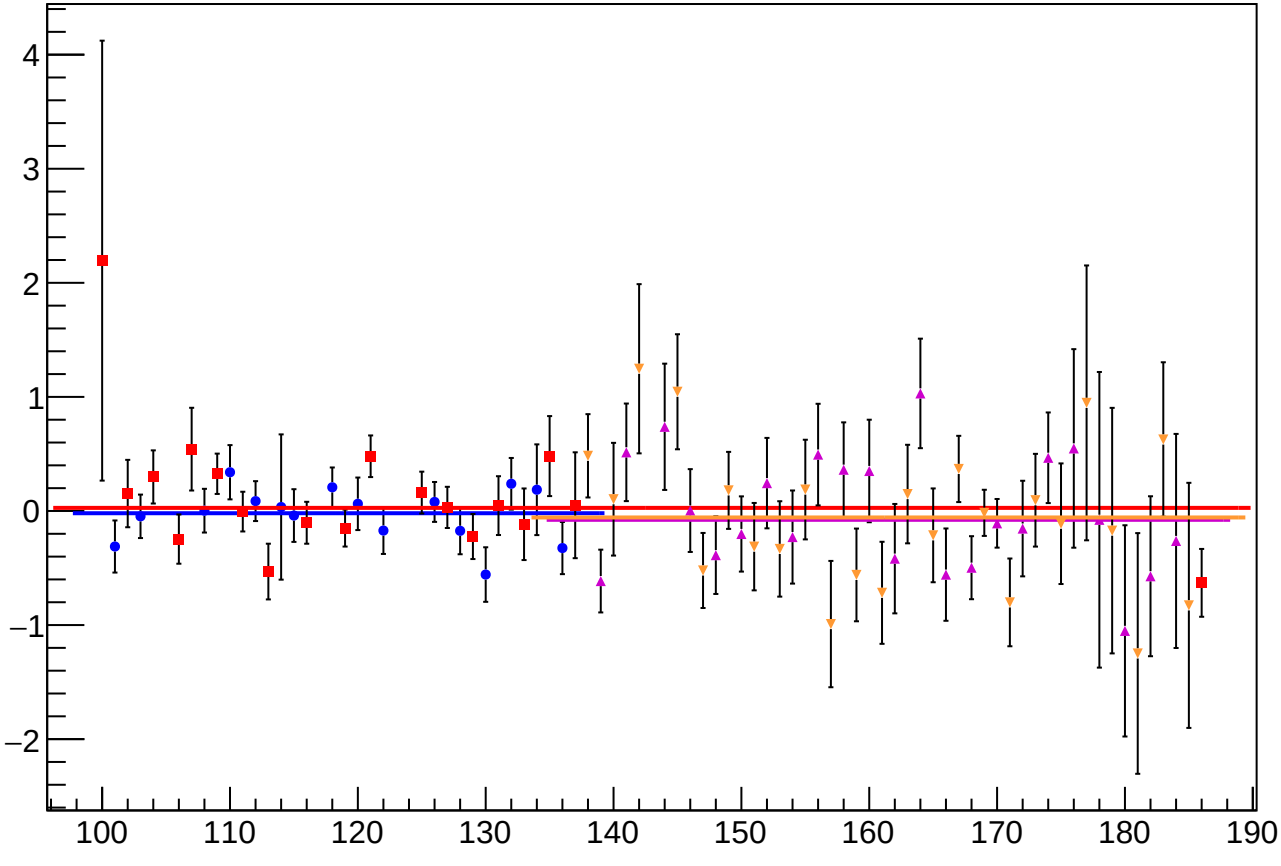
Right: 134.341+/-0.026 χ^2/NDF: 1600310.1/34

In: 194.994+/-0.032 χ^2/NDF:12379912.1/38

Out: 186.782+/-0.031 χ^2/NDF:13957651.4/42

All: 190.777+/-0.022 χ^2/NDF: 26371091.6/81

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-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

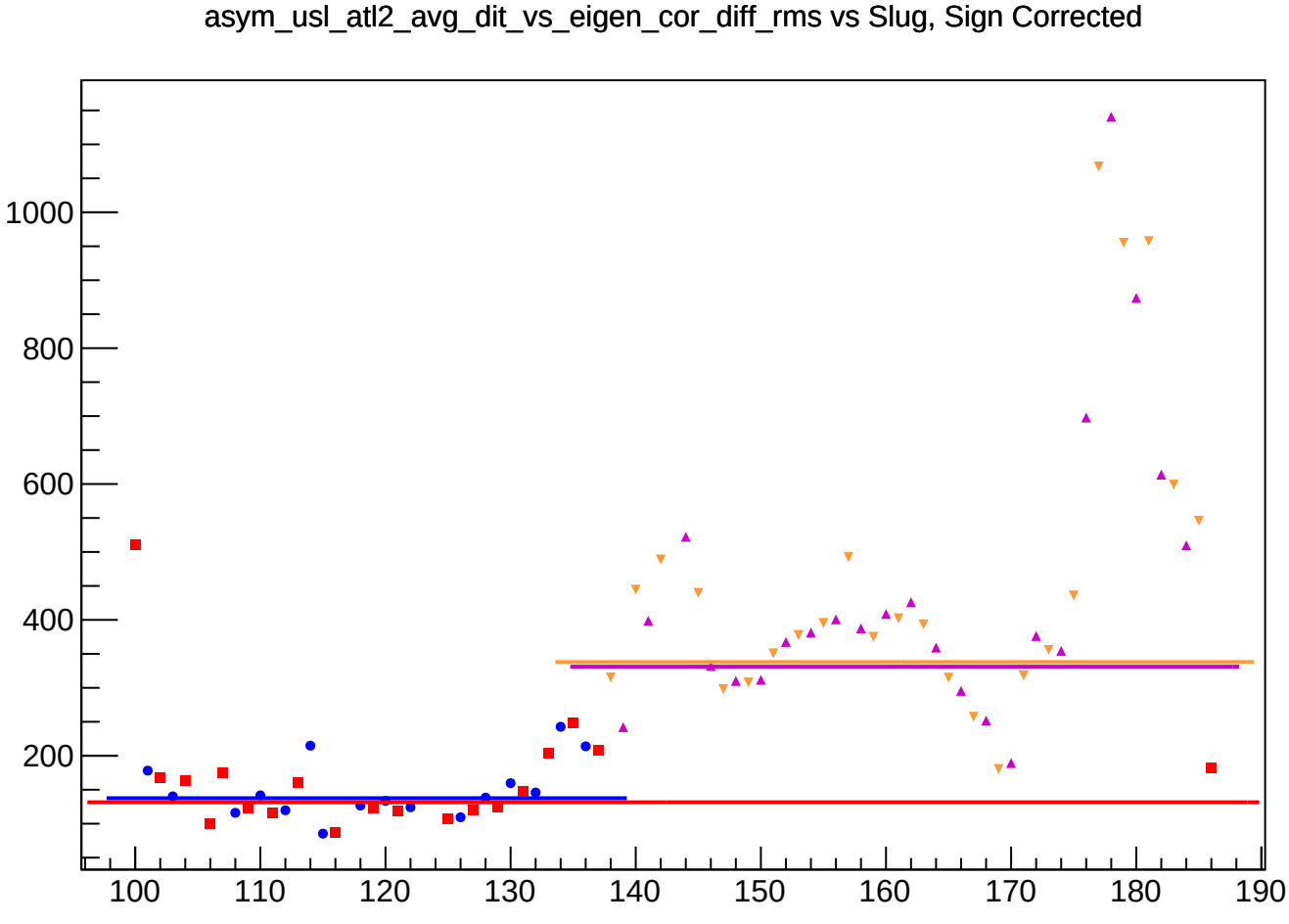
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.005+/-0.037 χ^2/NDF: 47.7/34

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.016+/-0.032 χ^2/NDF: 106.2/81


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
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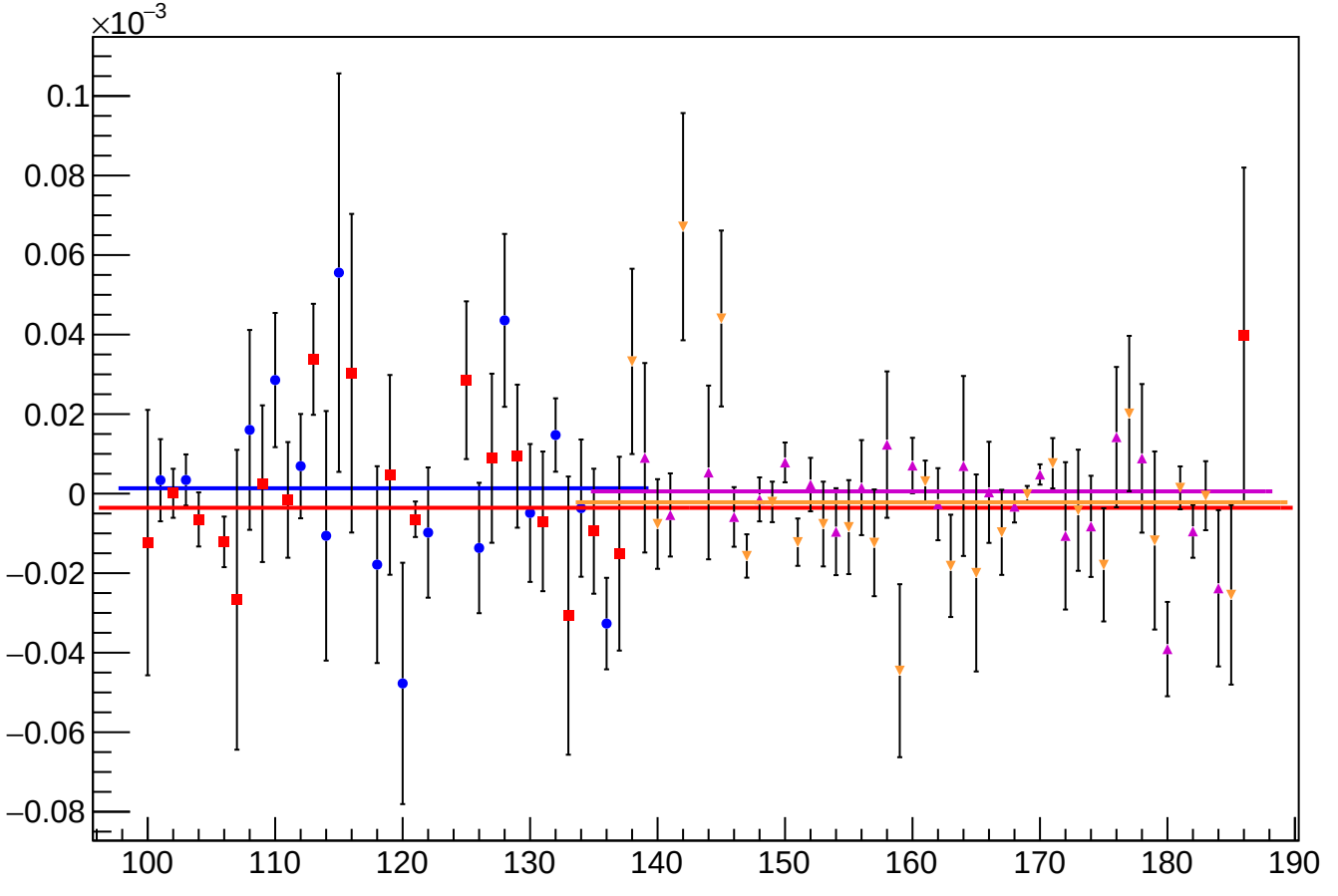
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 337.937+/-0.060 χ²/NDF:4517129.8/23
Right Out: 131.474+/-0.037 χ²/NDF: 894452.4/18
Left In: 331.158+/-0.059 χ²/NDF:4106959.8/22
Left: 334.465+/-0.042 χ²/NDF: 8630534.0/46
Right: 134.341+/-0.026 χ²/NDF: 1600310.1/34
In: 194.994+/-0.032 χ²/NDF:12379912.1/38
Out: 186.782+/-0.031 χ²/NDF:13957651.4/42
All: 190.777+/-0.022 χ²/NDF: 26371091.6/81



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/18

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

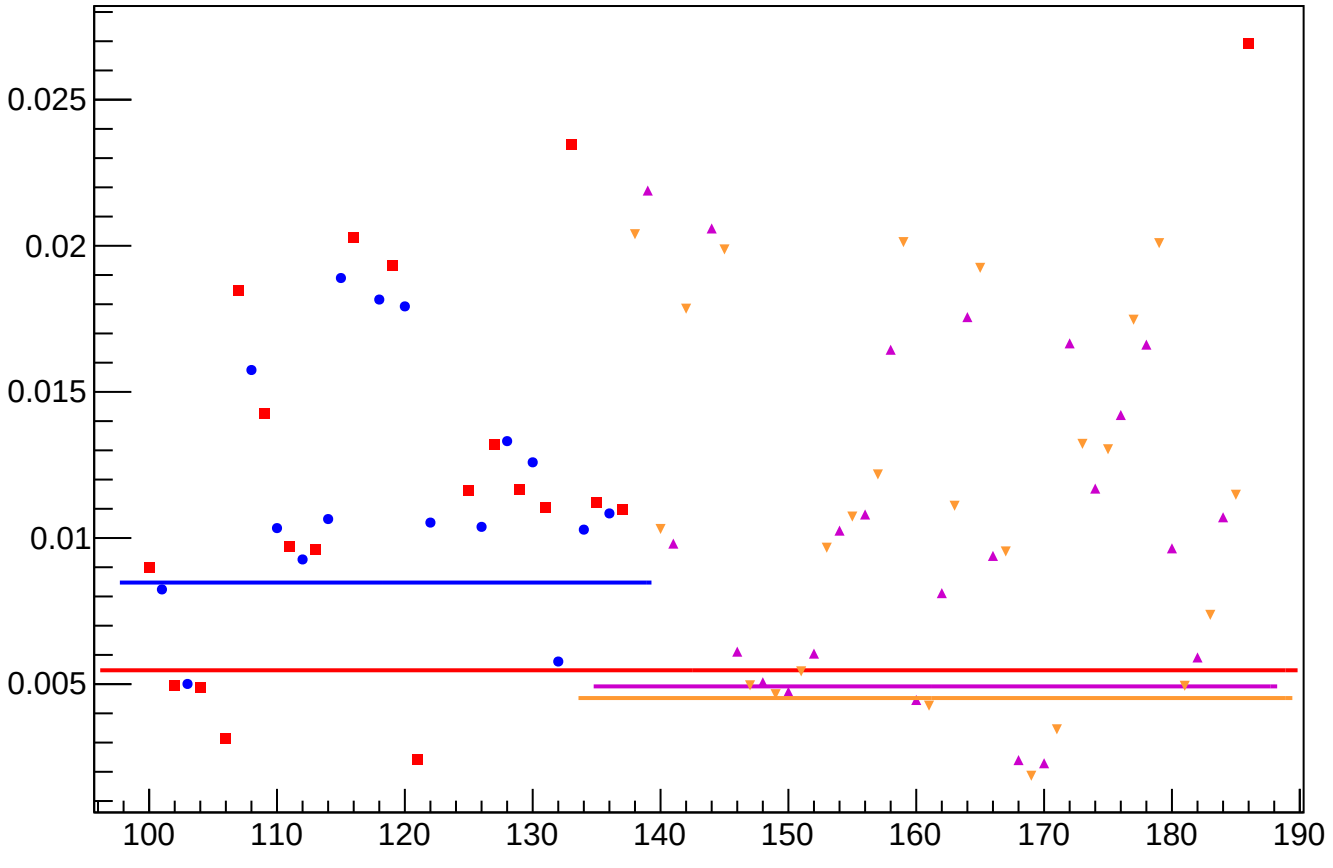
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 42.1/34

In: 0.000+/-0.000 χ^2/NDF:50.2/38

Out: -0.000+/-0.000 χ^2/NDF:55.0/42

All: -0.000+/-0.000 χ^2/NDF: 108.2/81



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

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

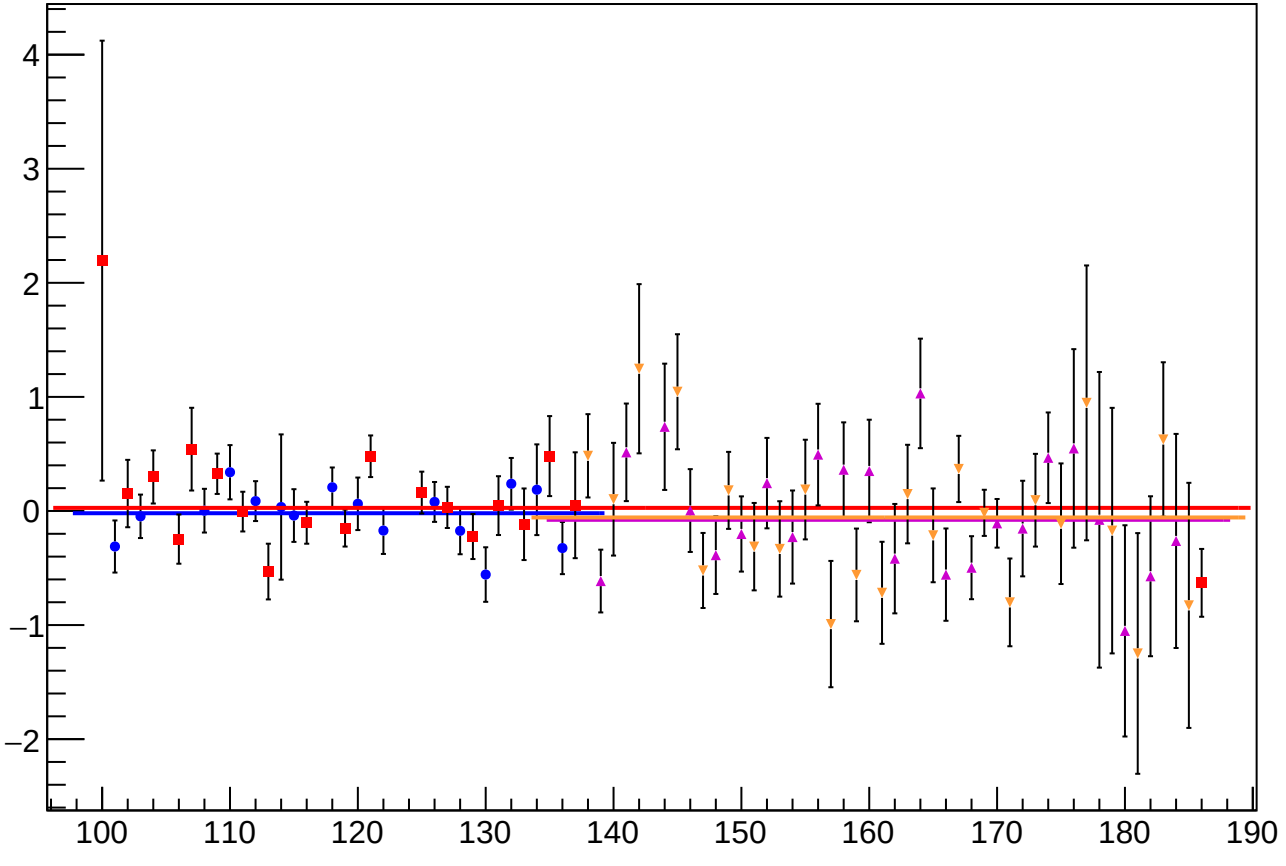
Right: 0.007+/-0.000 χ^2/NDF: 8342909.9/34

In: 0.005+/-0.000 χ^2/NDF:15341159.1/38

Out: 0.005+/-0.000 χ^2/NDF:19885959.2/42

All: 0.005+/-0.000 χ^2/NDF: 35547910.7/81

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-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

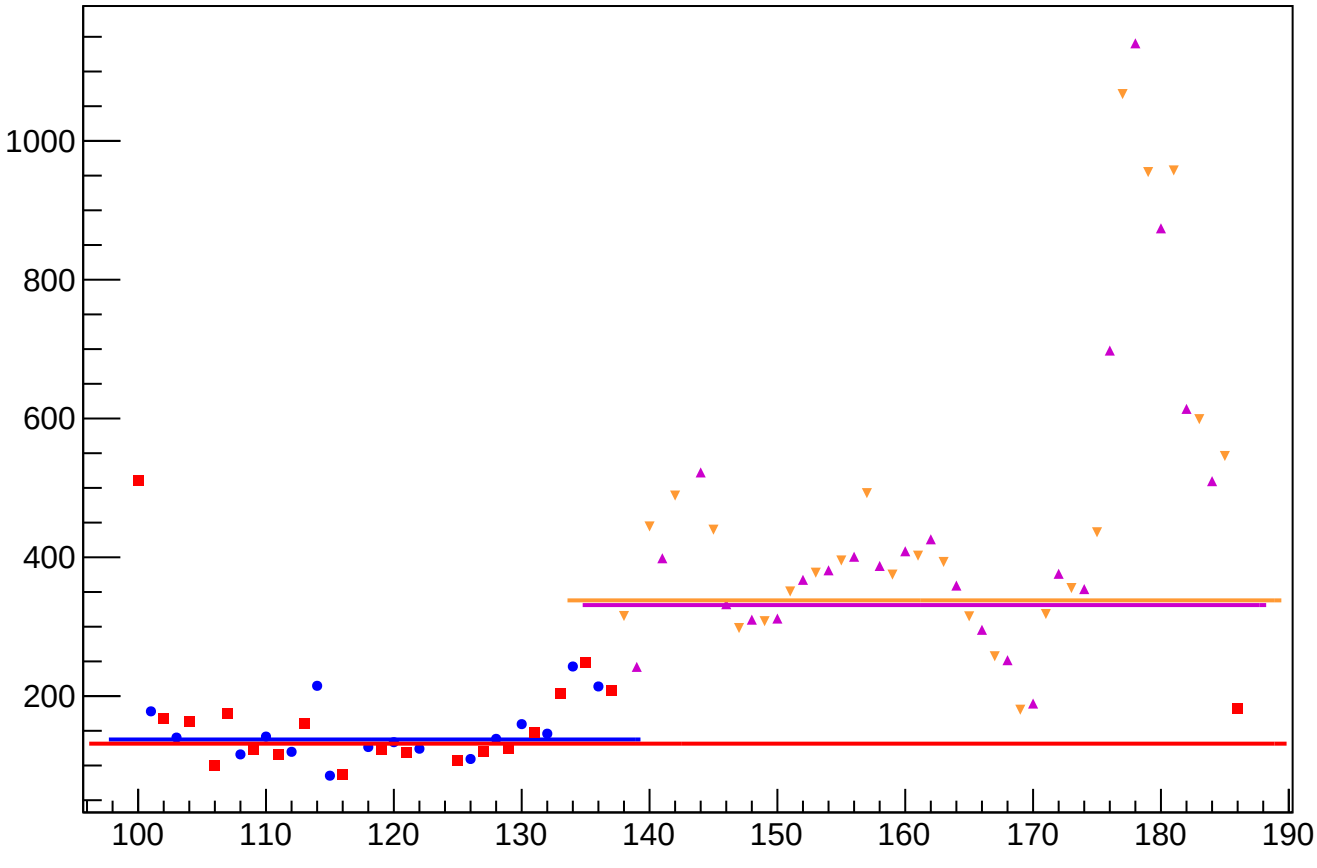
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.005+/-0.037 χ^2/NDF: 47.7/34

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.016+/-0.032 χ^2/NDF: 106.2/81



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.474+/-0.037 χ^2/NDF: 894378.9/18

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

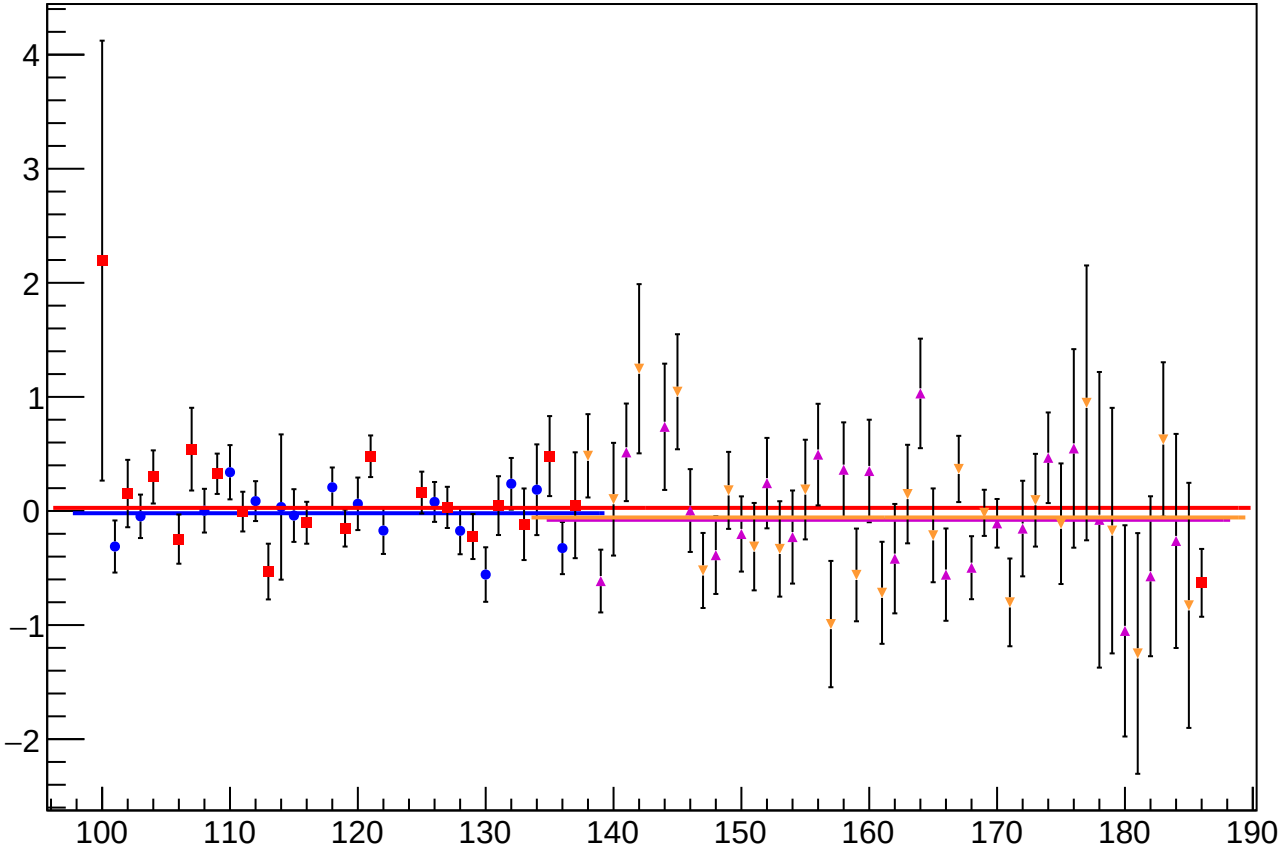
Right: 134.340+/-0.026 χ^2/NDF: 1600212.0/34

In: 194.994+/-0.032 χ^2/NDF:12380040.1/38

Out: 186.782+/-0.031 χ^2/NDF:13957764.7/42

All: 190.776+/-0.022 χ^2/NDF: 26371336.7/81

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.057+/-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

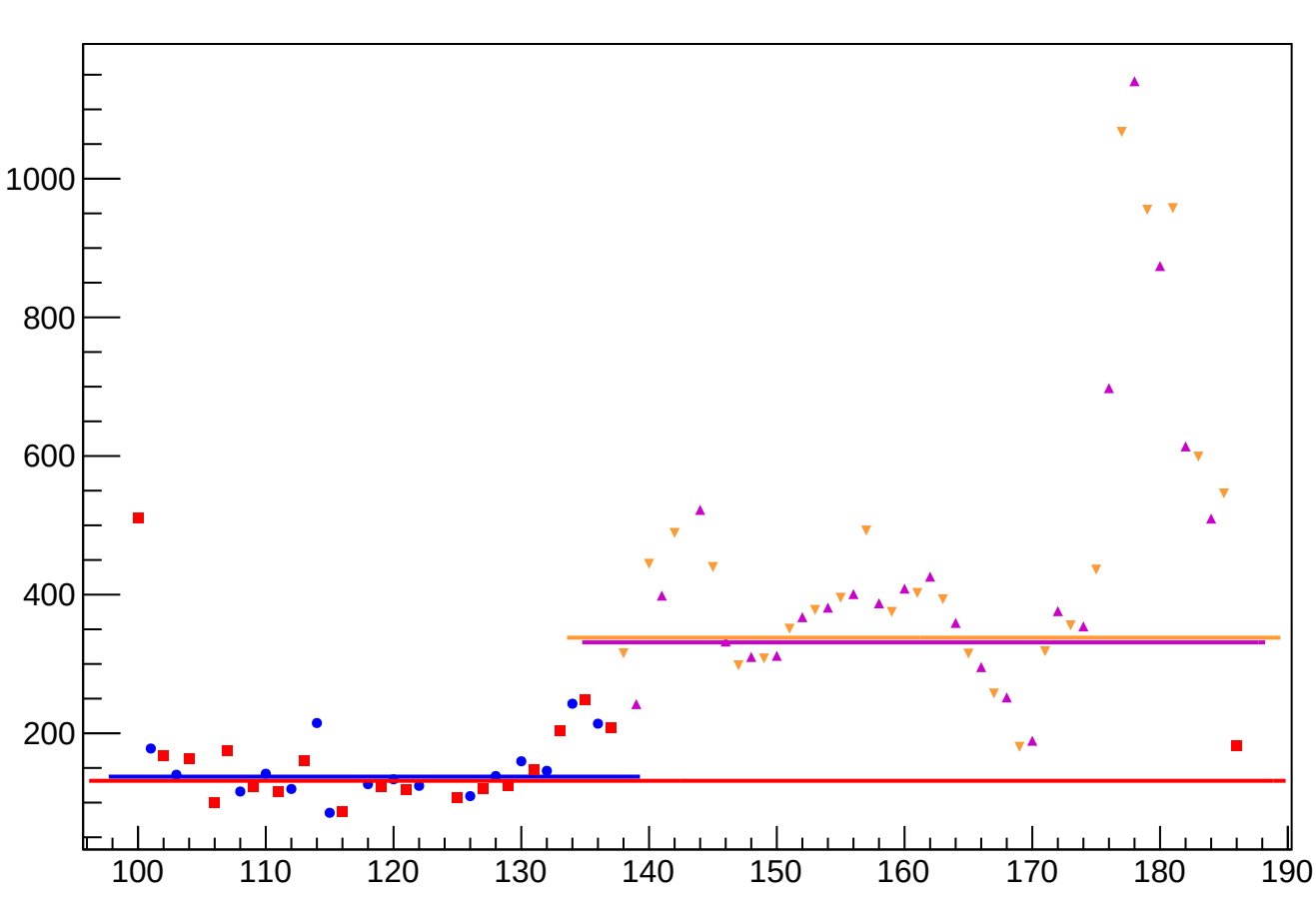
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.005+/-0.037 χ^2/NDF: 47.7/34

In: -0.037+/-0.045 χ^2/NDF:43.4/38

Out: 0.005+/-0.044 χ^2/NDF:62.4/42

All: -0.016+/-0.032 χ^2/NDF: 106.2/81


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
800
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100
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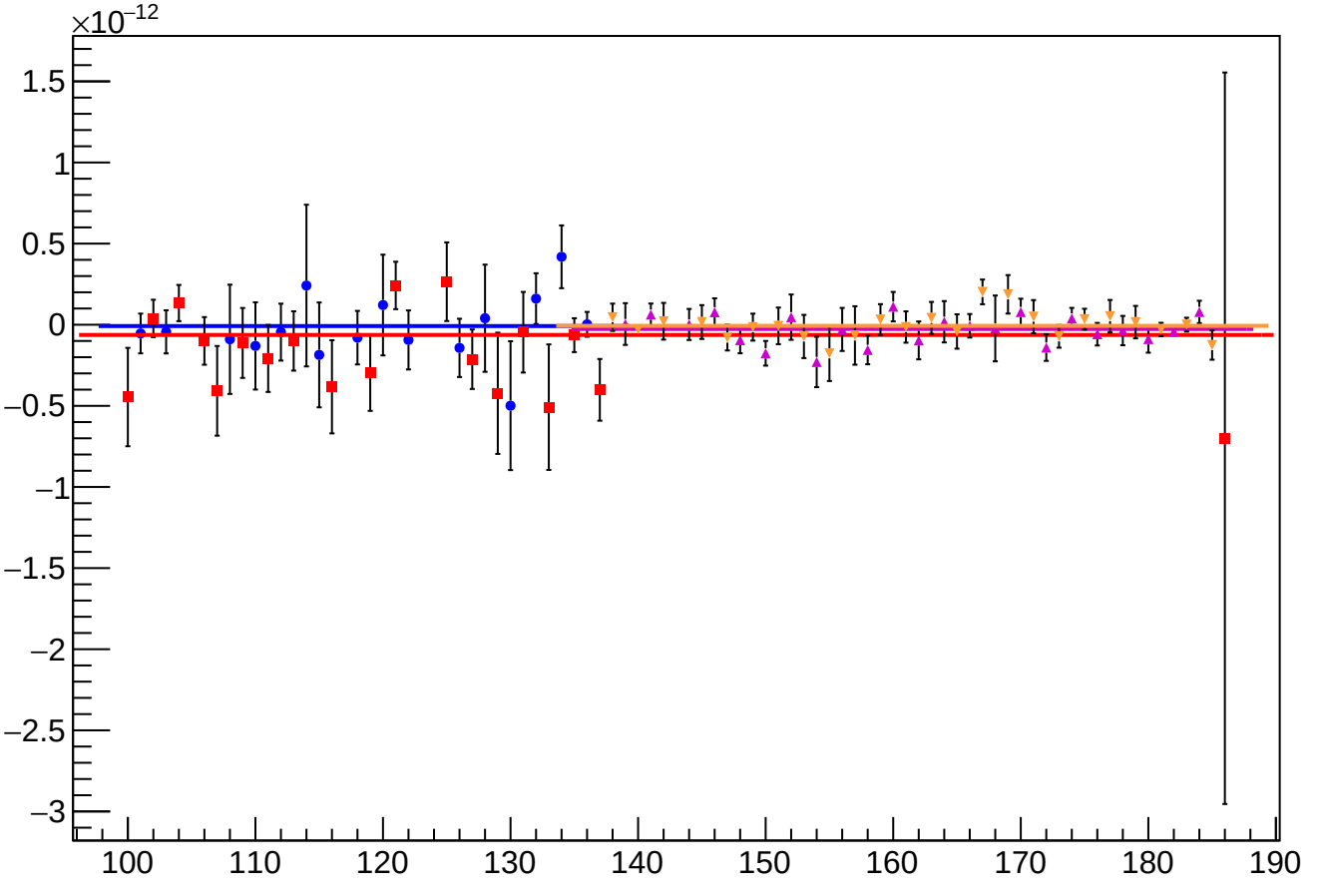
120
130
140
150
160
170
180
190
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 337.939+/-0.060 χ²/NDF:4517201.8/23
Right Out: 131.474+/-0.037 χ²/NDF: 894378.9/18
Left In: 331.161+/-0.059 χ²/NDF:4106963.1/22
Left: 334.468+/-0.042 χ²/NDF: 8630607.3/46
Right: 134.340+/-0.026 χ²/NDF: 1600212.0/34
In: 194.994+/-0.032 χ²/NDF:12380040.1/38
Out: 186.782+/-0.031 χ²/NDF:13957764.7/42
All: 190.776+/-0.022 χ²/NDF: 26371336.7/81



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

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

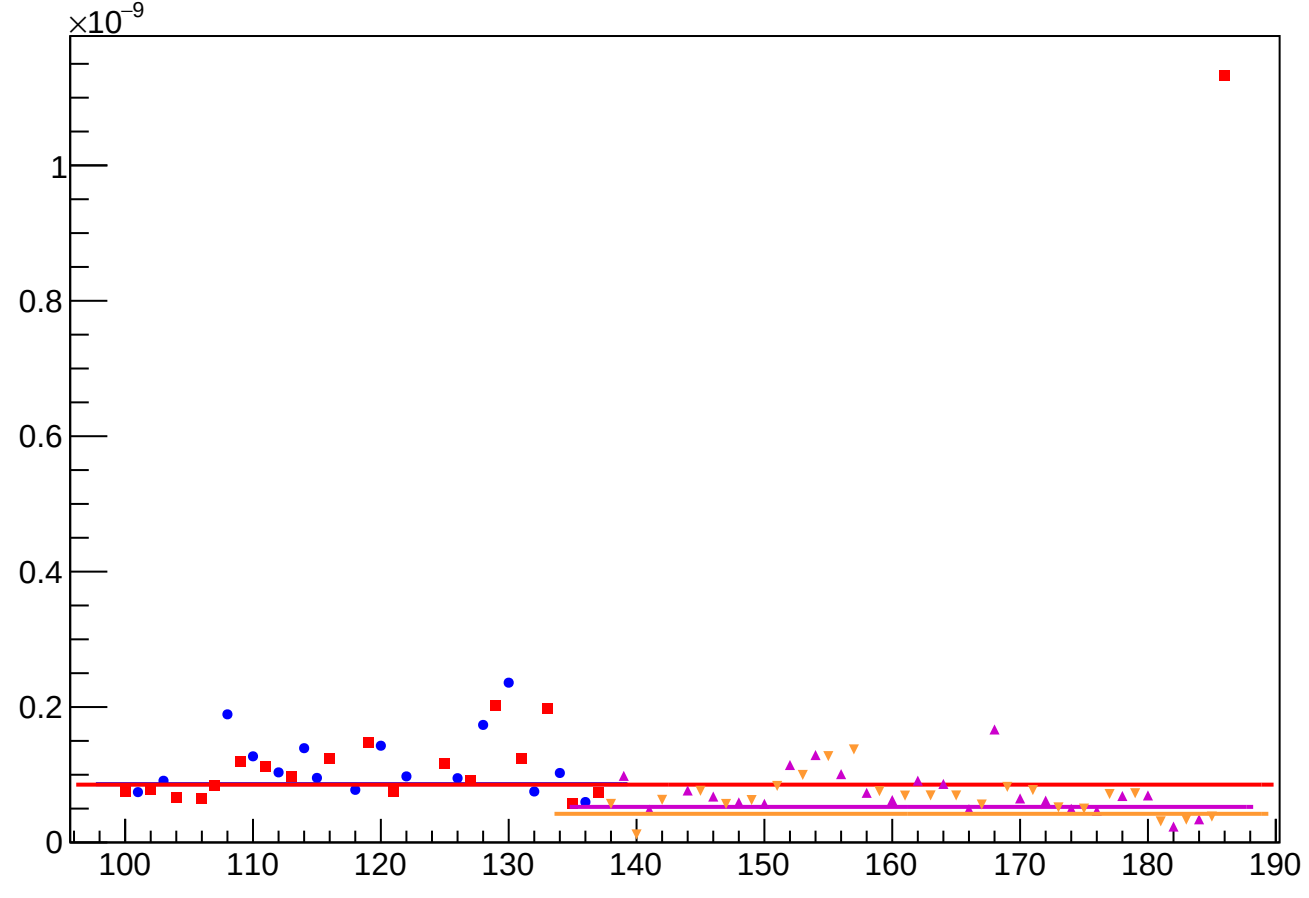
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:32.8/38

Out: -0.000+/-0.000 χ^2/NDF:42.0/42

All: -0.000+/-0.000 χ^2/NDF: 75.1/81



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

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

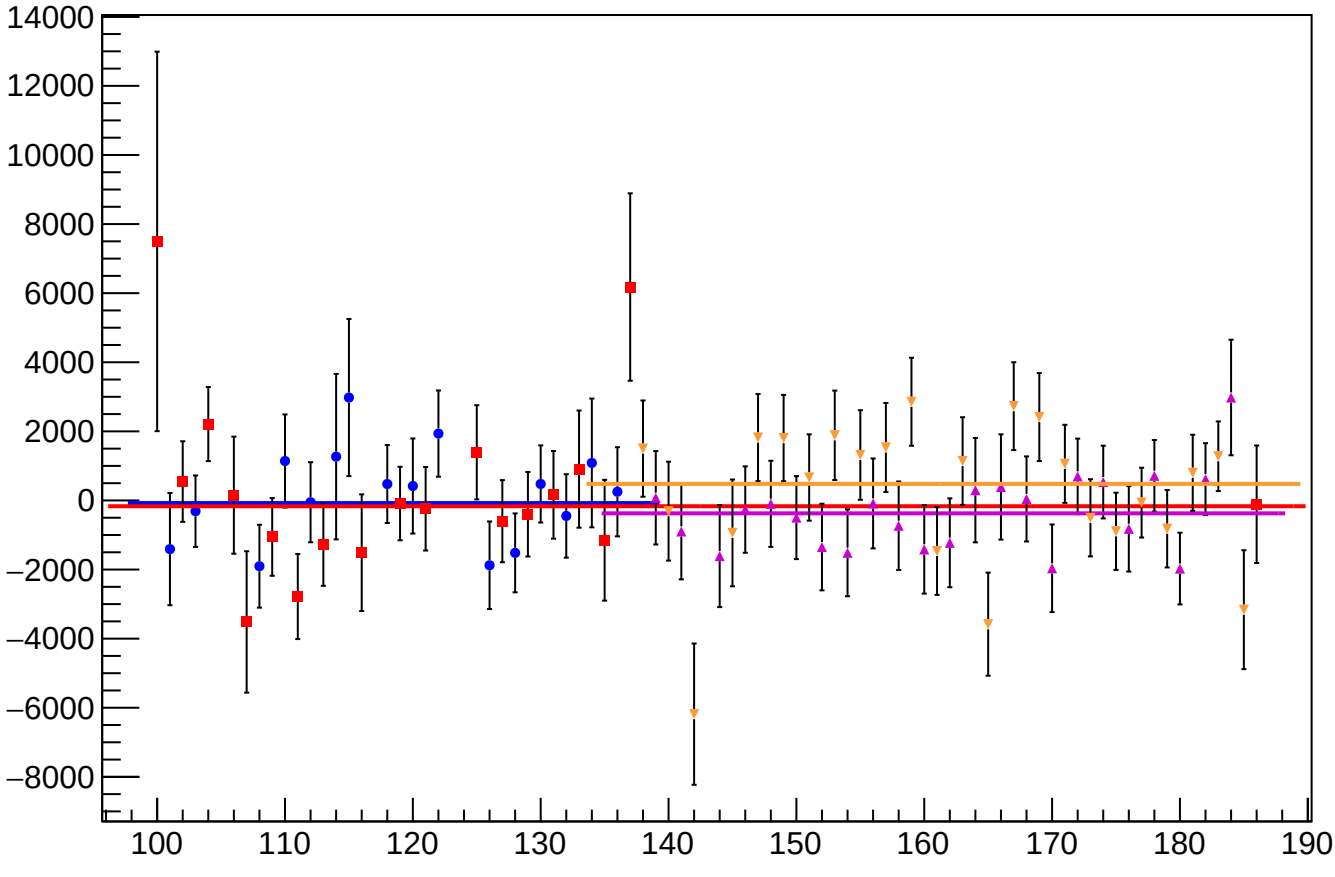
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 2487872.7/34

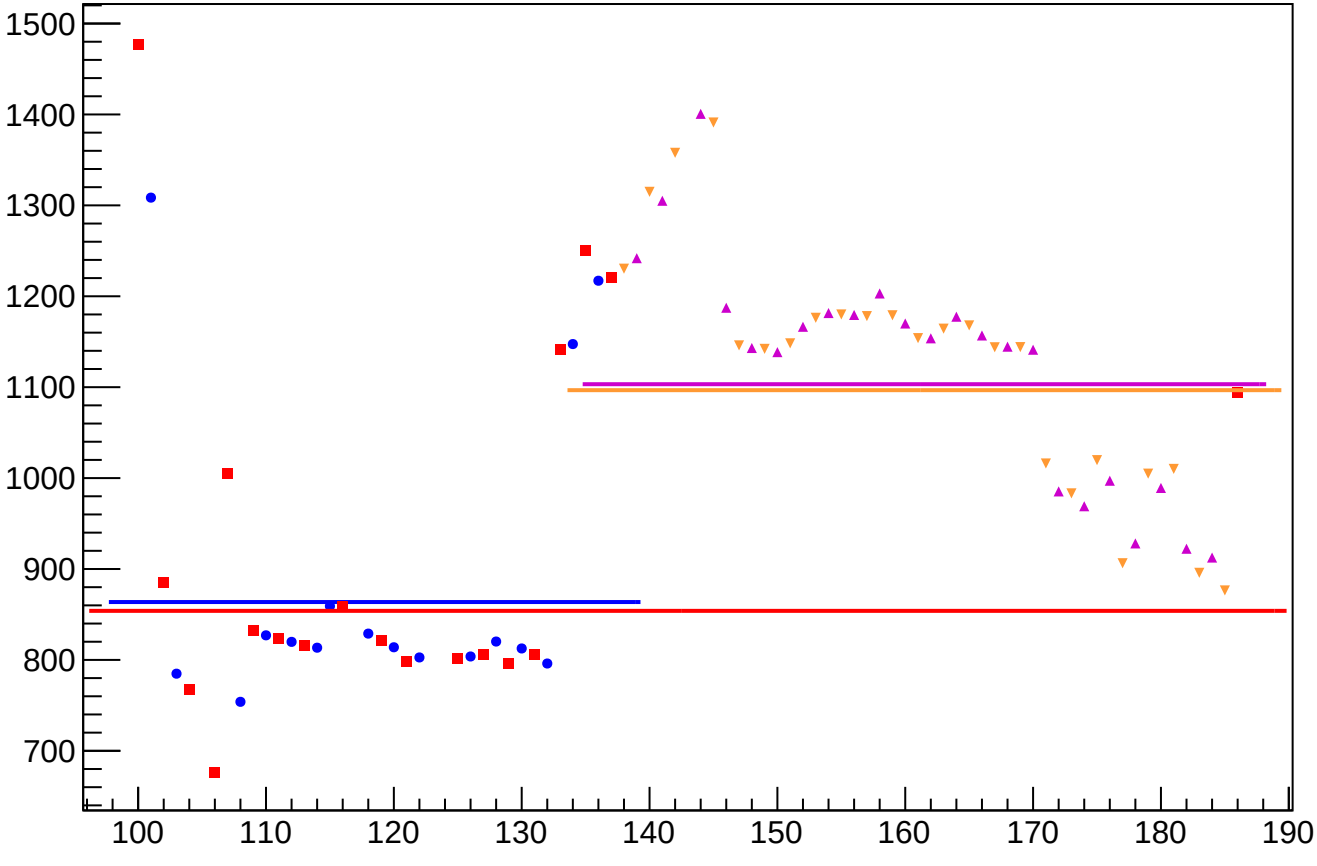
In: 0.000+/-0.000 χ^2/NDF:7059942.3/38

Out: 0.000+/-0.000 χ^2/NDF:10003702.2/42

All: 0.000+/-0.000 χ^2/NDF: 17542615.6/81


reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: -75.944+/-326.226 χ²/NDF: 13.4/15
Left Out: 479.555+/-256.330 χ²/NDF:45.2/23
Right Out: -167.280+/-316.215 χ²/NDF: 24.4/18
Left In: -372.926+/-259.314 χ²/NDF:16.0/22
Left: 58.248+/-182.298 χ²/NDF: 66.7/46
Right: -123.035+/-227.055 χ²/NDF: 37.8/34
In: -257.935+/-202.995 χ²/NDF:29.9/38
Out: 223.061+/-199.124 χ²/NDF:72.1/42
All: -12.807+/-142.151 χ²/NDF: 104.8/81

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

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

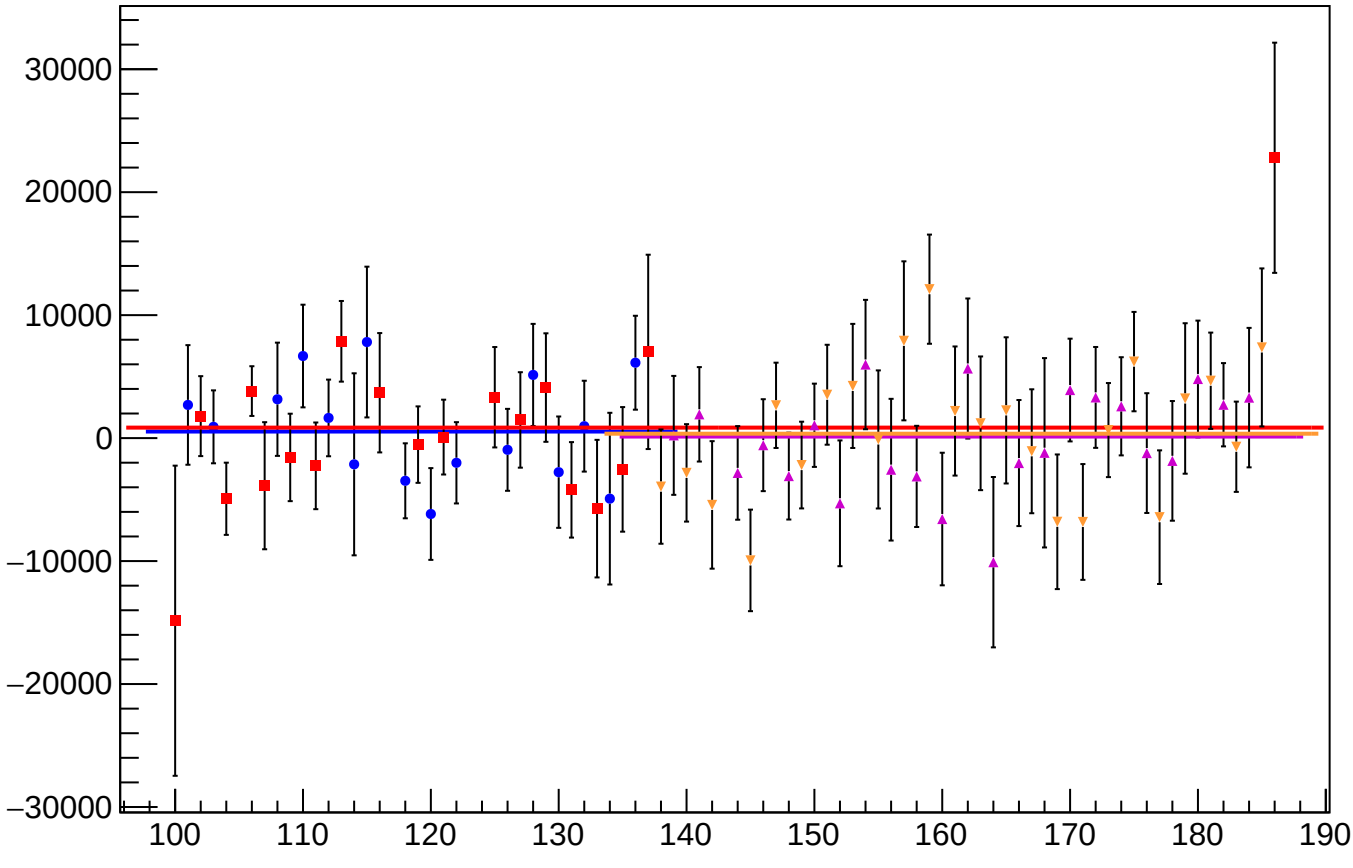
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 858.604+/-0.160 χ^2/NDF: 757442.9/34

In: 1010.500+/-0.144 χ^2/NDF:1516272.5/38

Out: 999.055+/-0.140 χ^2/NDF:1551104.7/42

All: 1004.640+/-0.100 χ^2/NDF: 3070632.8/81



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

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

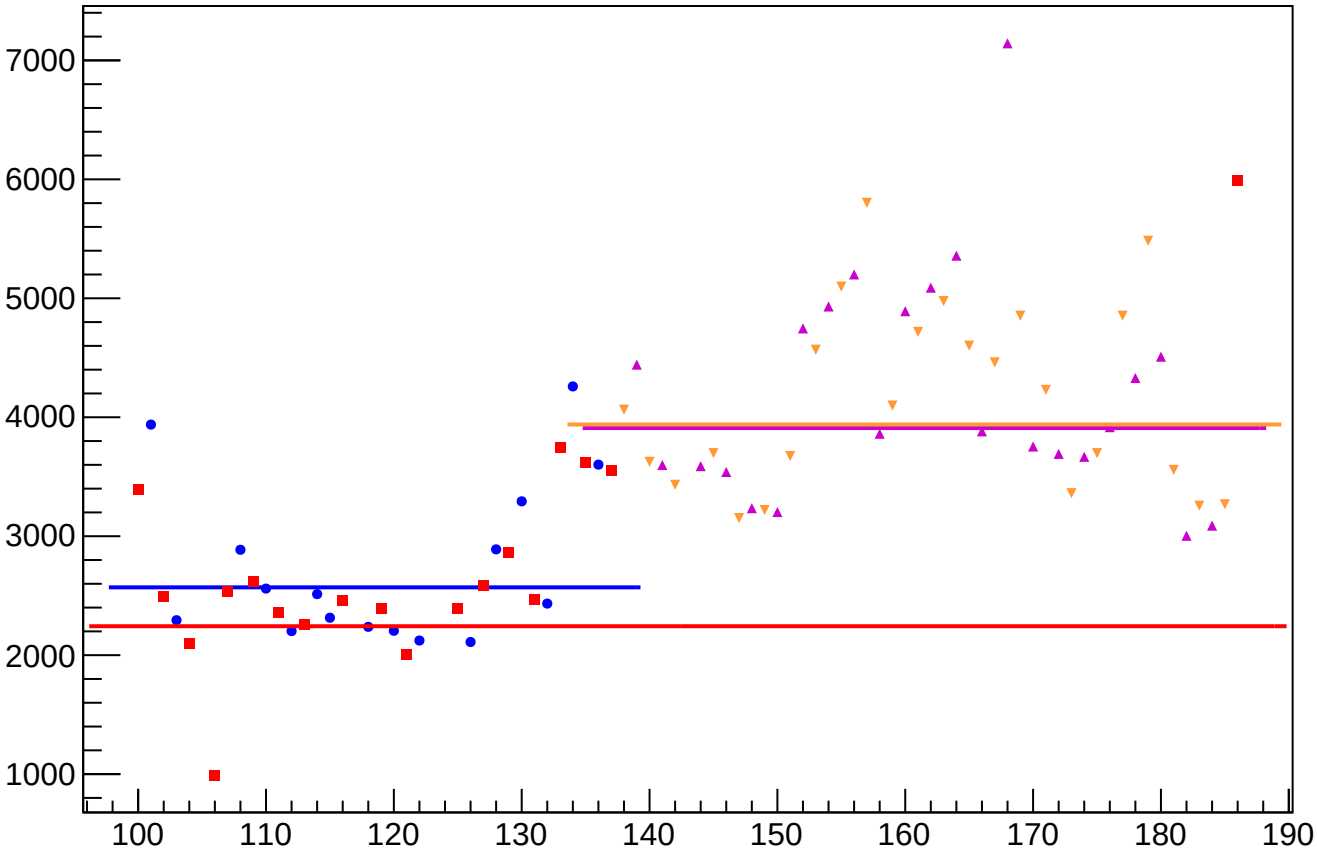
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 714.564+/-647.321 χ^2/NDF: 40.2/34

In: 320.243+/-676.023 χ^2/NDF:28.5/38

Out: 625.596+/-633.243 χ^2/NDF:55.9/42

All: 482.886+/-462.155 χ^2/NDF: 84.5/81



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

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

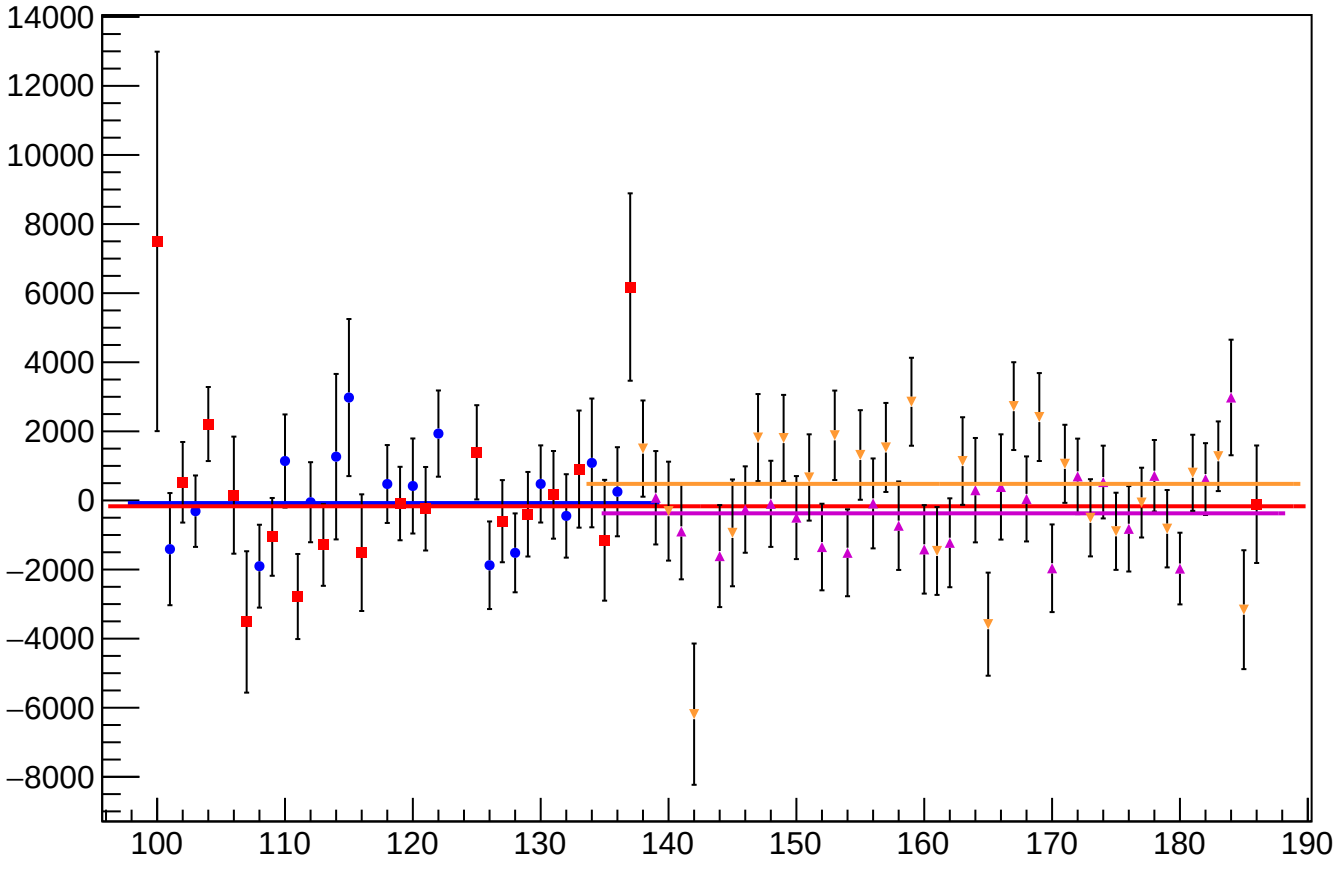
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2385.515+/-0.458 χ^2/NDF: 2375490.6/34

In: 3273.644+/-0.478 χ^2/NDF:3919775.4/38

Out: 3022.509+/-0.448 χ^2/NDF:6243244.7/42

All: 3139.880+/-0.327 χ^2/NDF: 10310032.9/8



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

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

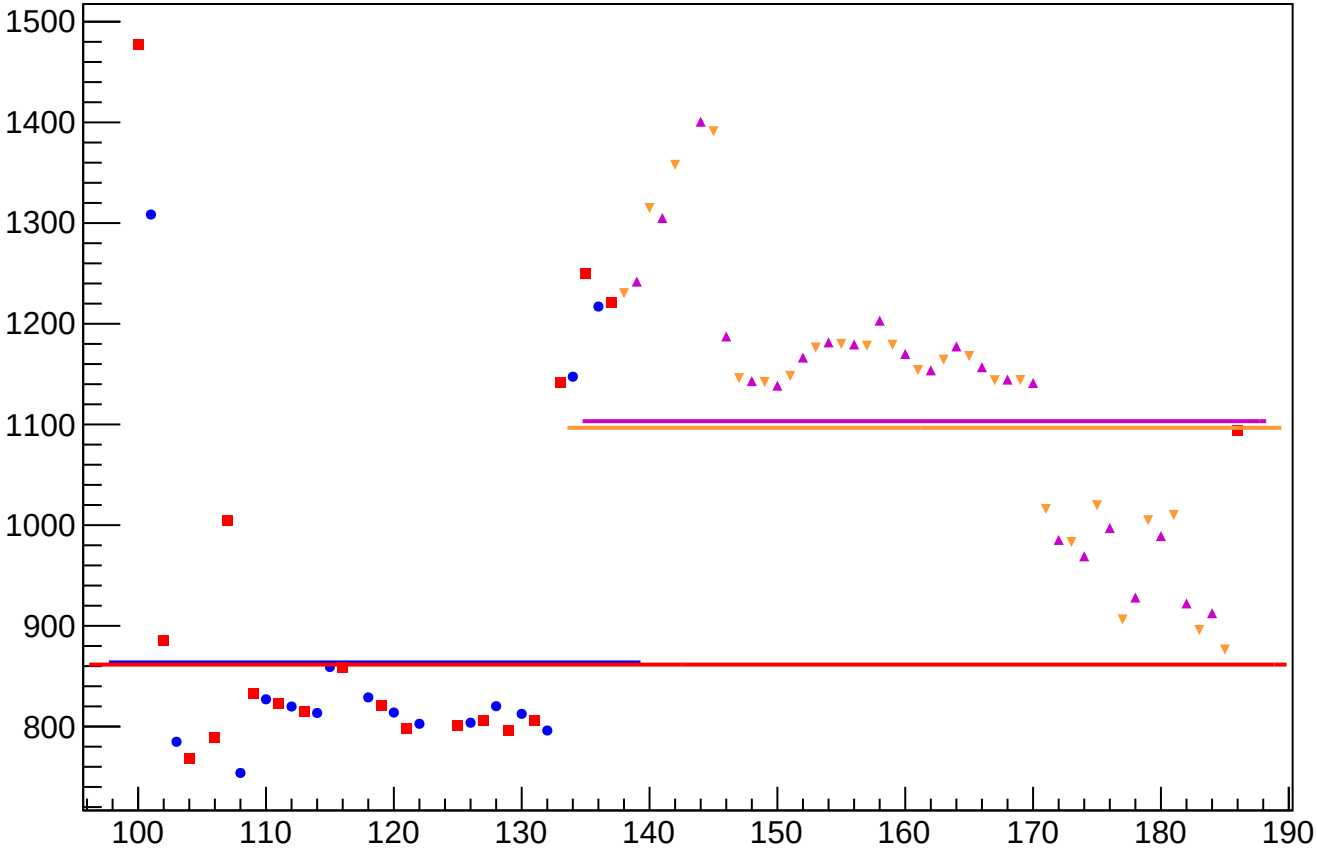
Right: -123.888+/-227.056 χ^2/NDF: 37.7/34

In: -257.950+/-202.995 χ^2/NDF:29.9/38

Out: 222.455+/-199.125 χ^2/NDF:72.1/42

All: -13.125+/-142.151 χ^2/NDF: 104.8/81

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

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

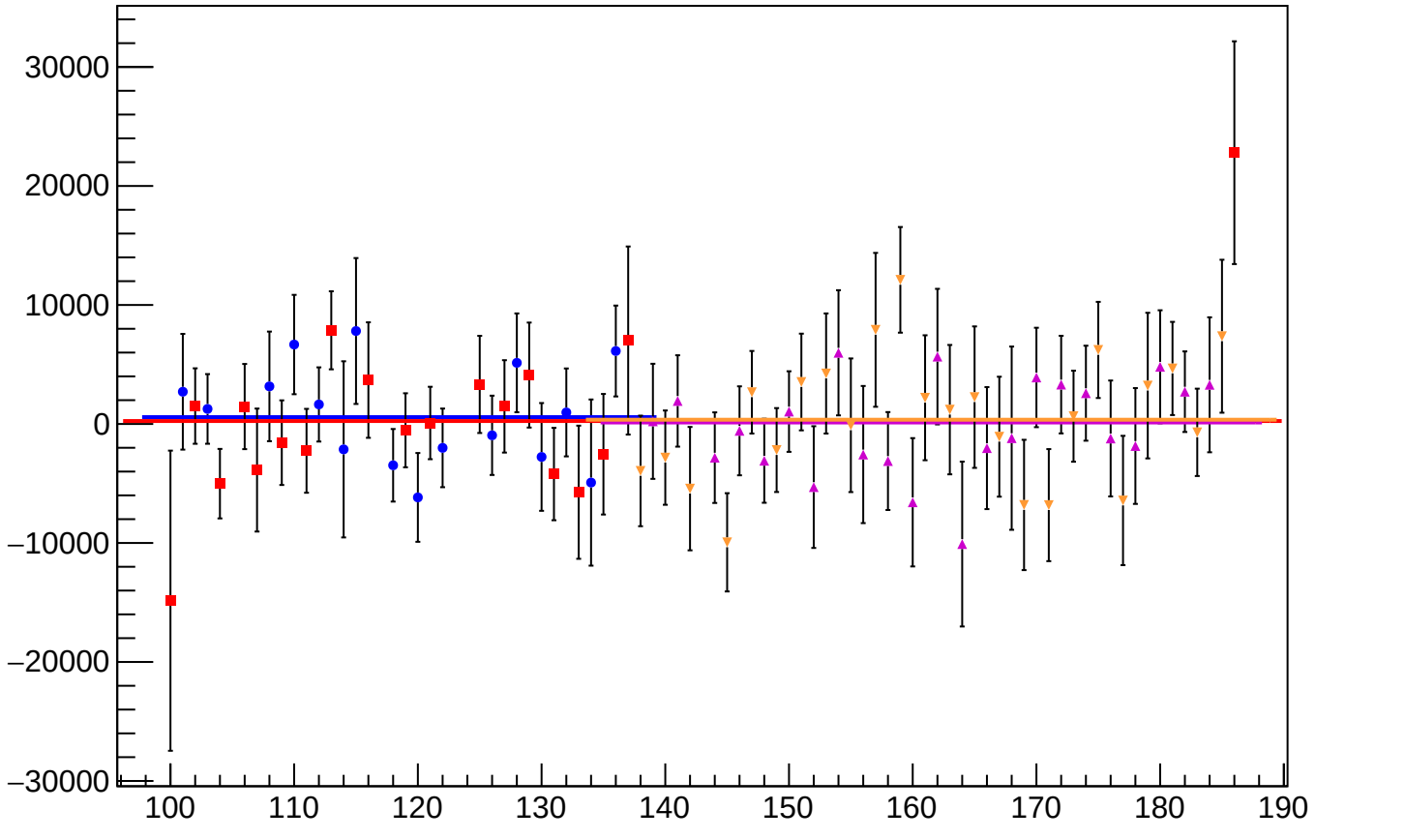
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 862.557+/-0.160 χ^2/NDF: 721608.2/34

In: 1010.500+/-0.144 χ^2/NDF:1516272.6/38

Out: 1002.892+/-0.141 χ^2/NDF:1466190.1/42

All: 1006.615+/-0.100 χ^2/NDF: 2983897.4/81



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

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

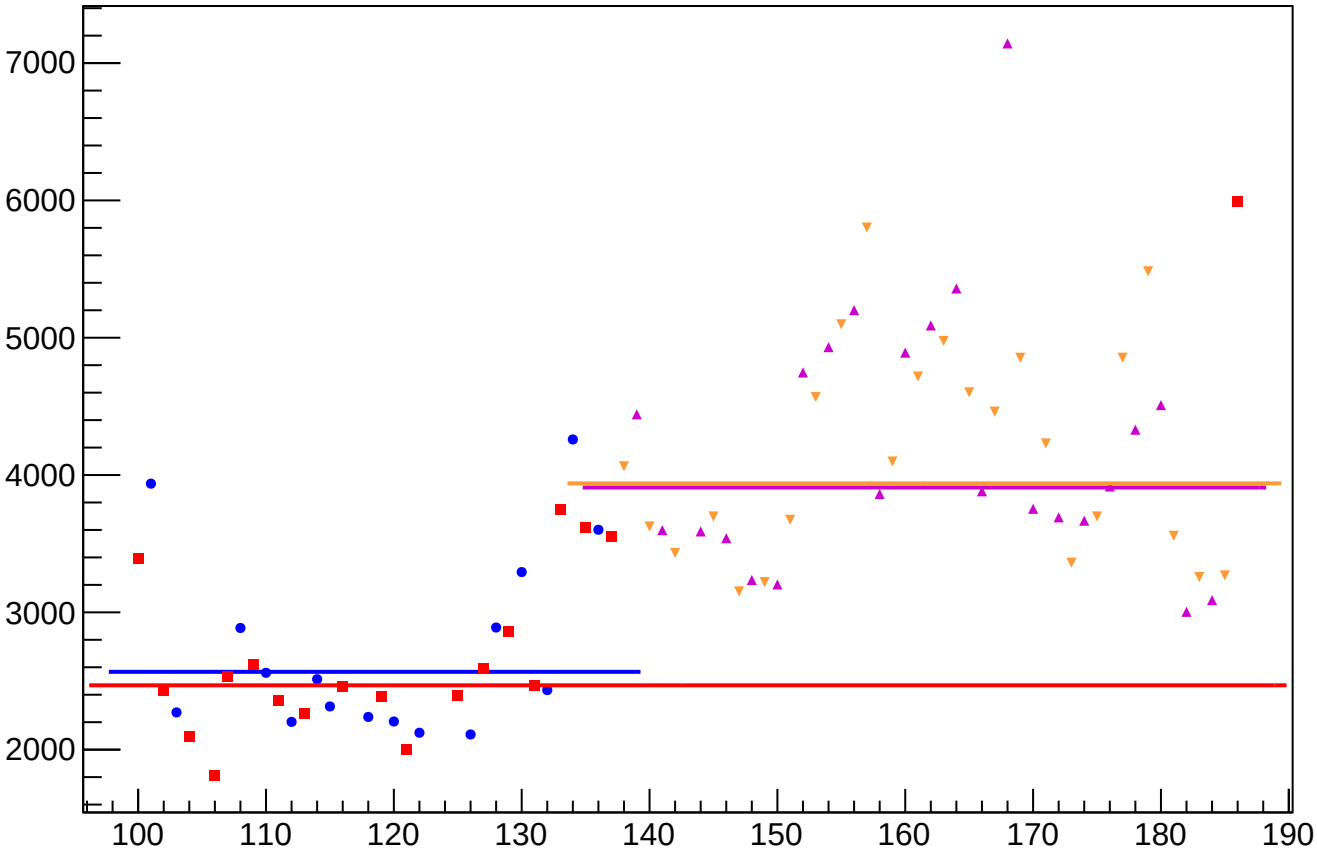
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 400.492+/-669.798 χ^2/NDF: 37.8/34

In: 339.739+/-675.553 χ^2/NDF:28.6/38

Out: 301.609+/-654.665 χ^2/NDF:53.3/42

All: 320.075+/-470.129 χ^2/NDF: 81.9/81



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

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

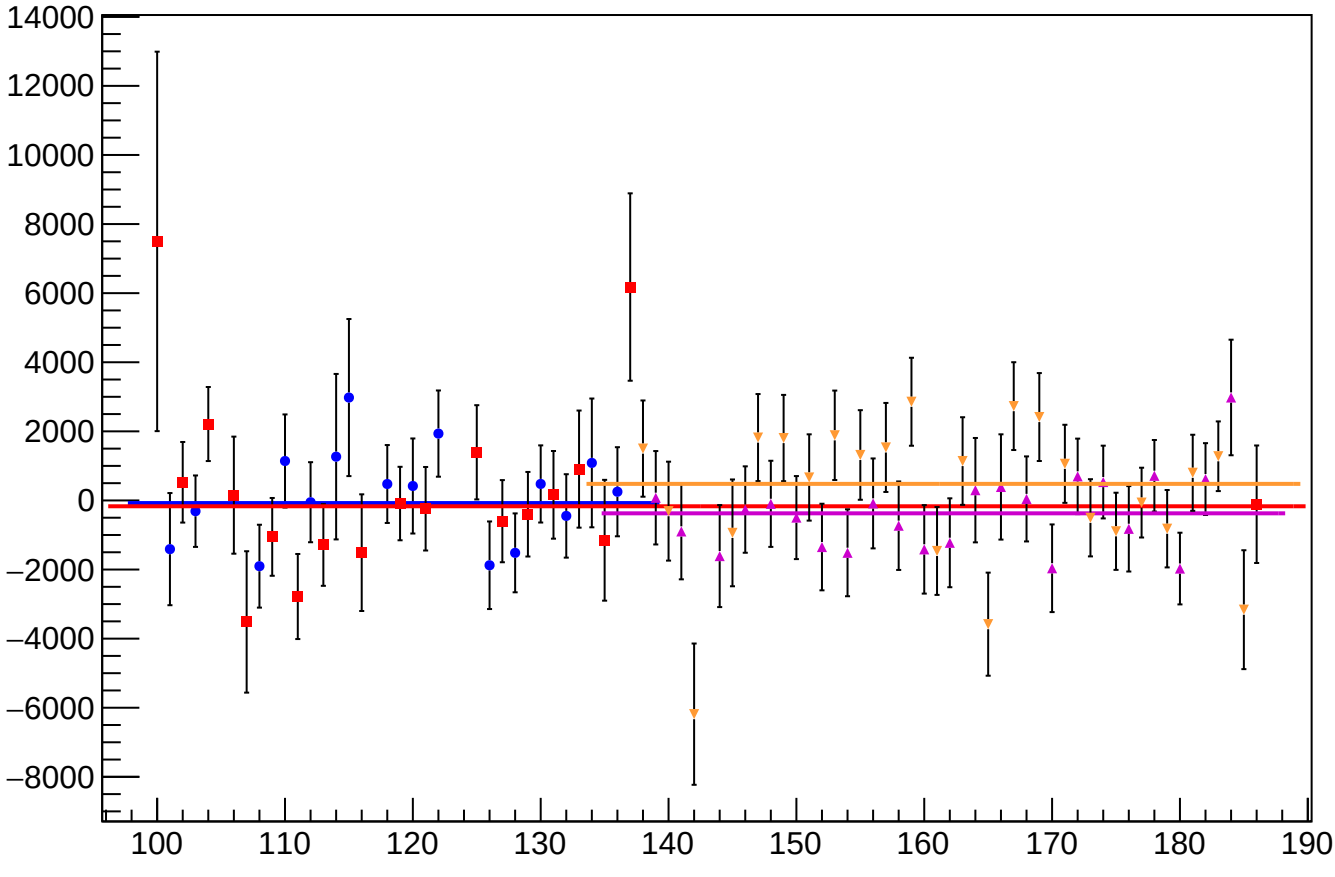
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2514.469+/-0.474 χ^2/NDF: 1396822.8/34

In: 3271.048+/-0.478 χ^2/NDF:3936142.0/38

Out: 3190.807+/-0.463 χ^2/NDF:4335272.7/42

All: 3229.668+/-0.332 χ^2/NDF: 8285966.1/81



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

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

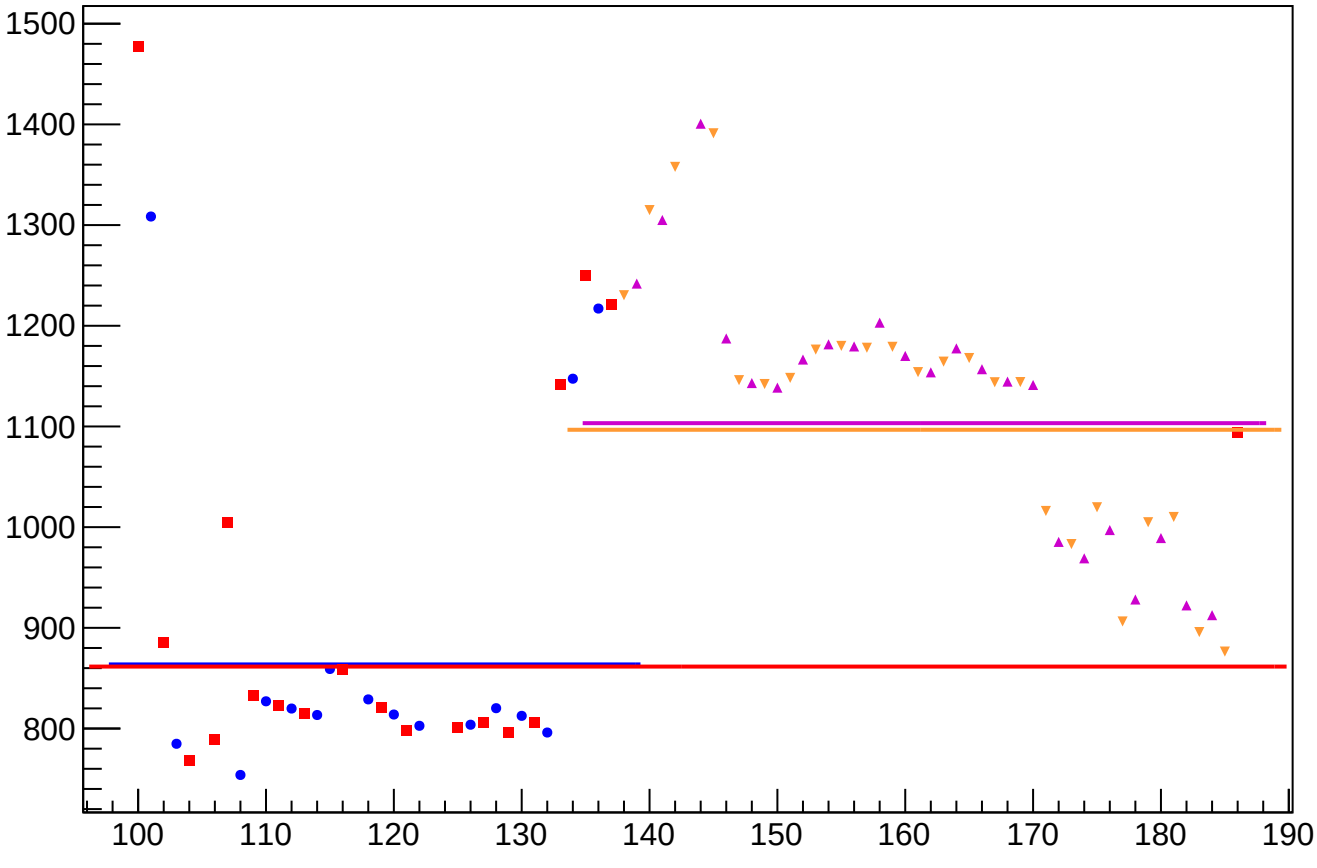
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -123.888+/-227.056 χ^2/NDF: 37.7/34

In: -257.950+/-202.995 χ^2/NDF:29.9/38

Out: 222.455+/-199.125 χ^2/NDF:72.1/42

All: -13.125+/-142.151 χ^2/NDF: 104.8/81



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

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

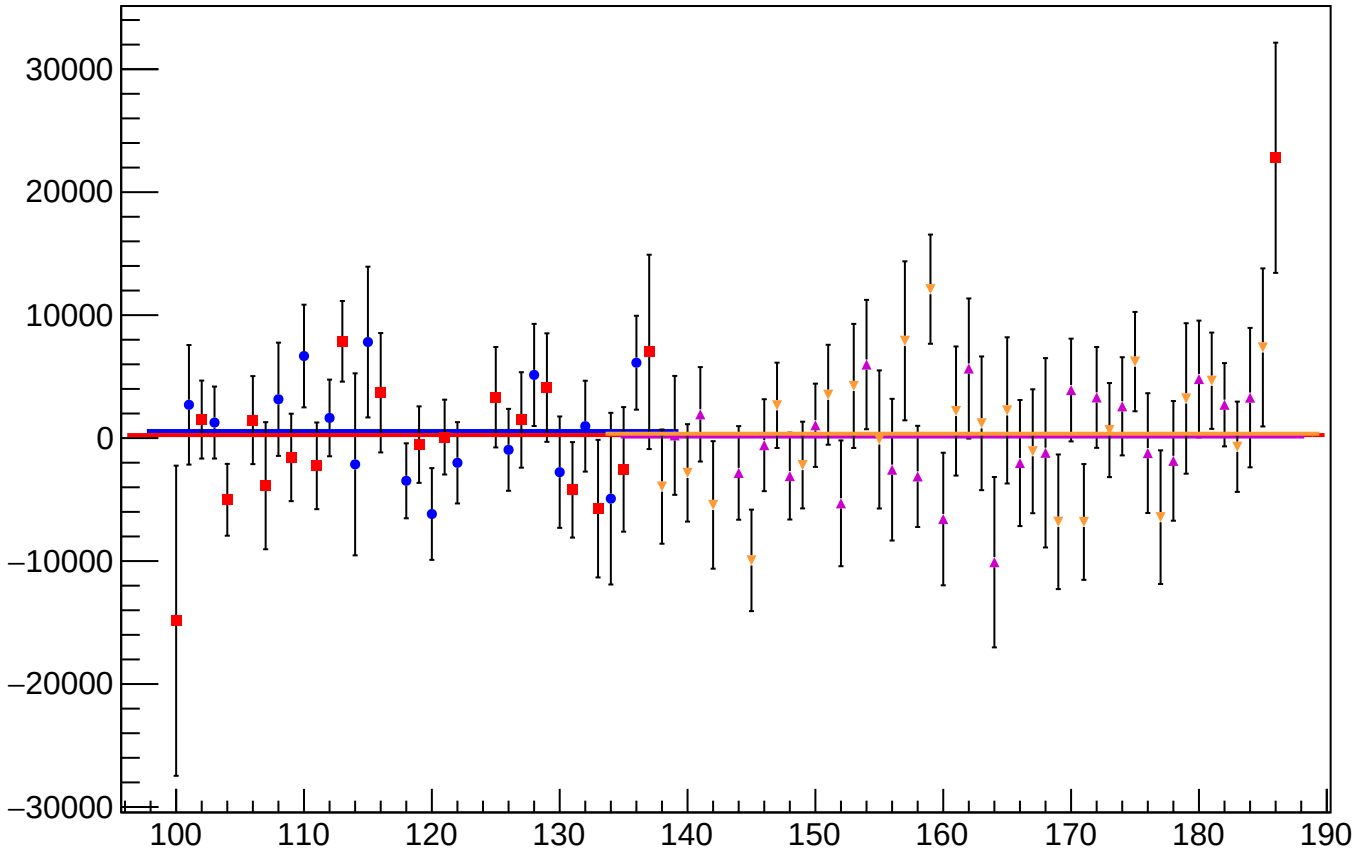
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 862.557+/-0.160 χ^2/NDF: 721608.2/34

In: 1010.500+/-0.144 χ^2/NDF:1516272.6/38

Out: 1002.892+/-0.141 χ^2/NDF:1466190.1/42

All: 1006.615+/-0.100 χ^2/NDF: 2983897.4/81



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

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

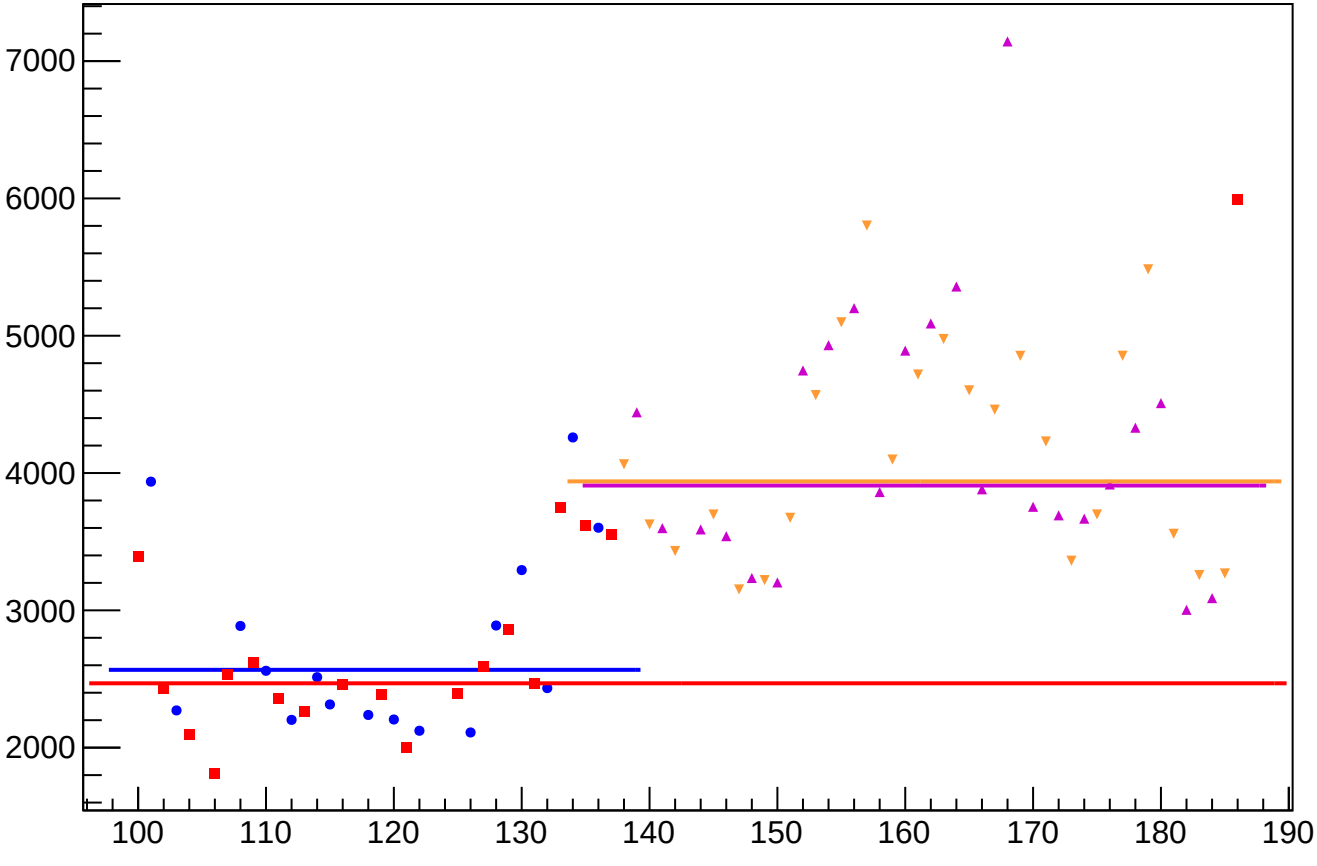
Right: 400.492+/-669.798 χ^2/NDF: 37.8/34

In: 339.739+/-675.553 χ^2/NDF:28.6/38

Out: 301.609+/-654.665 χ^2/NDF:53.3/42

All: 320.075+/-470.129 χ^2/NDF: 81.9/81

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 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

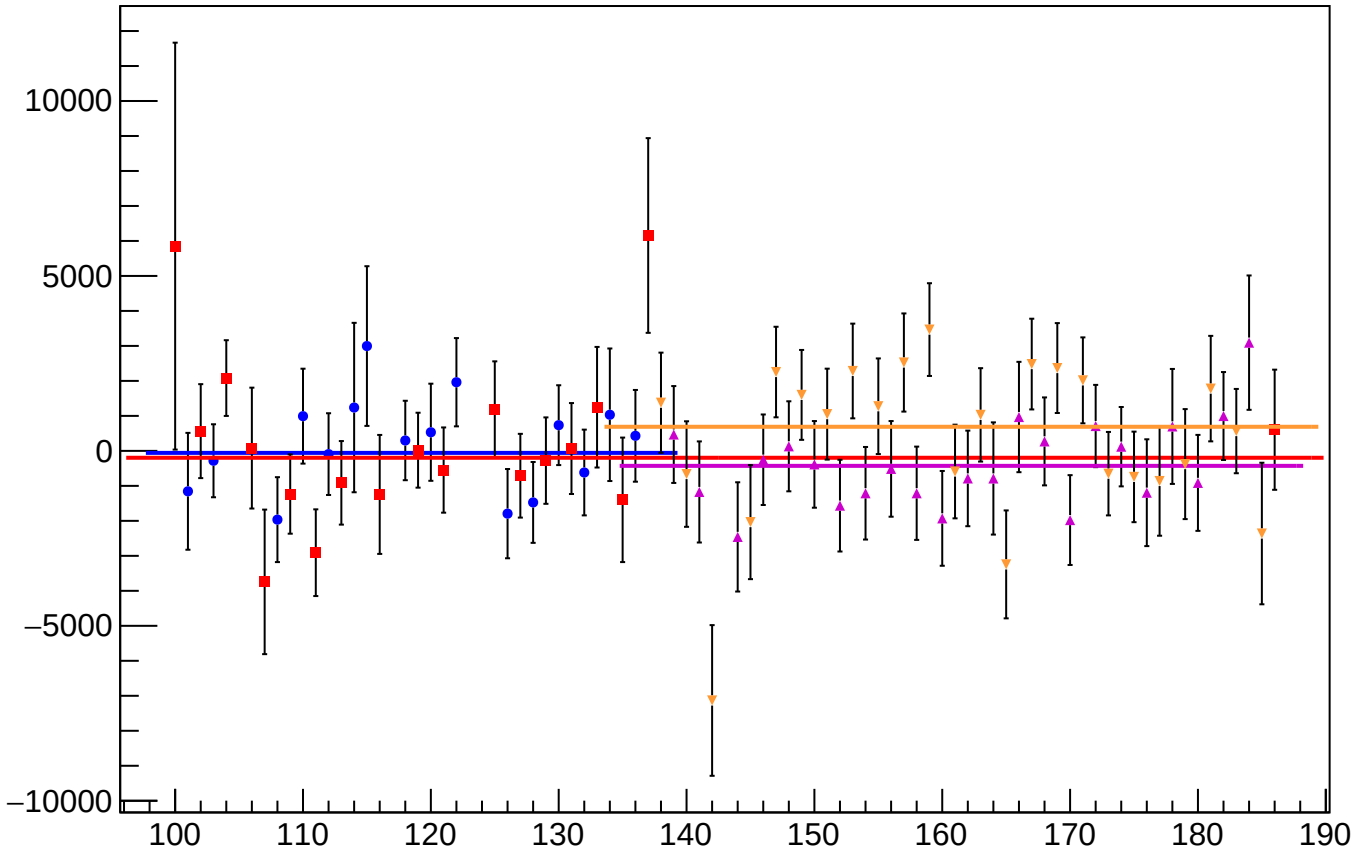
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2514.469+/-0.474 χ^2/NDF: 1396822.8/34

In: 3271.048+/-0.478 χ^2/NDF:3936142.0/38

Out: 3190.807+/-0.463 χ^2/NDF:4335272.7/42

All: 3229.668+/-0.332 χ^2/NDF: 8285966.1/81



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

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

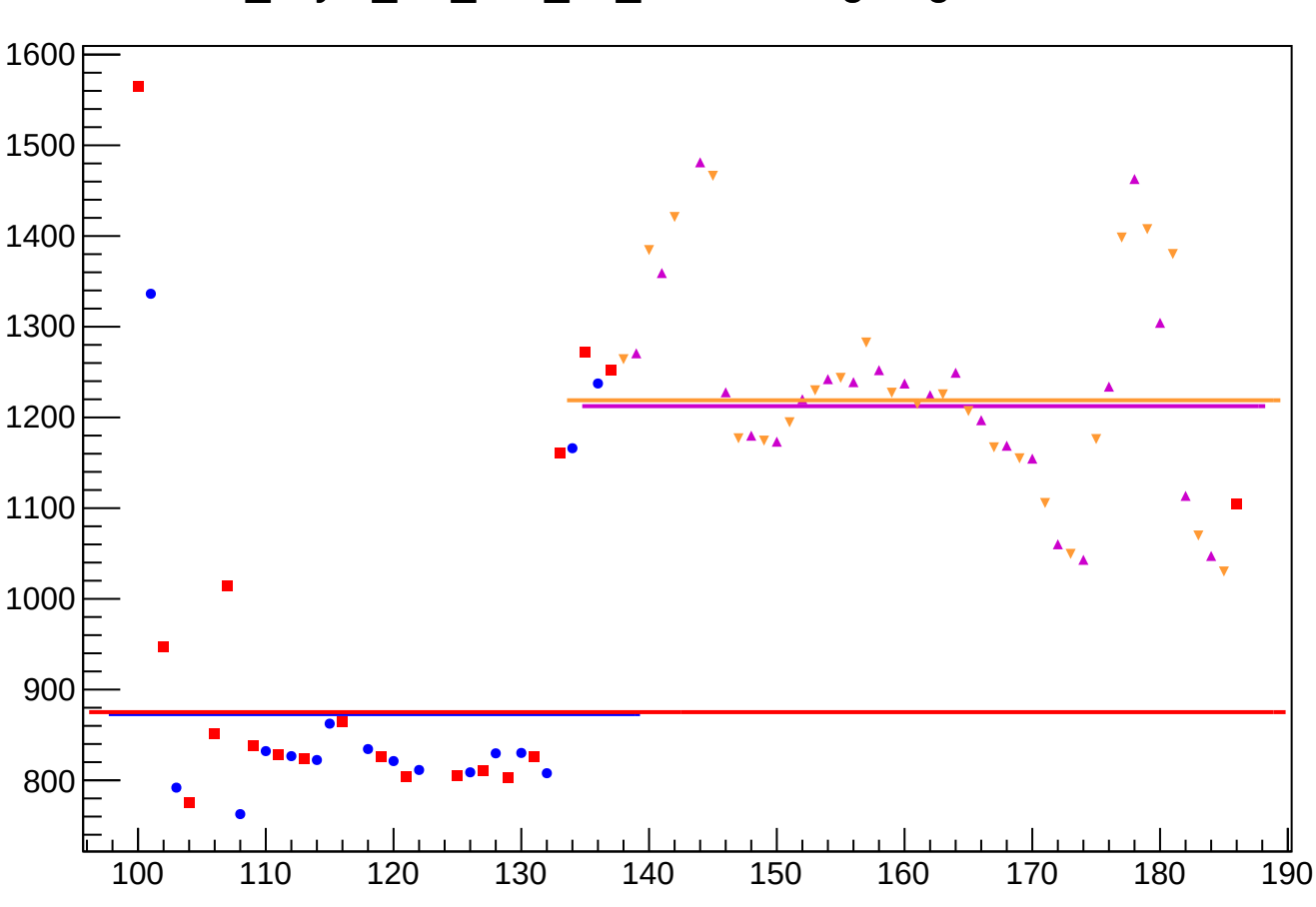
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -128.694+/-230.582 χ^2/NDF: 36.2/34

In: -270.062+/-215.451 χ^2/NDF:28.3/38

Out: 301.196+/-213.225 χ^2/NDF:73.1/42

All: 18.533+/-151.554 χ^2/NDF: 105.0/81



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

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

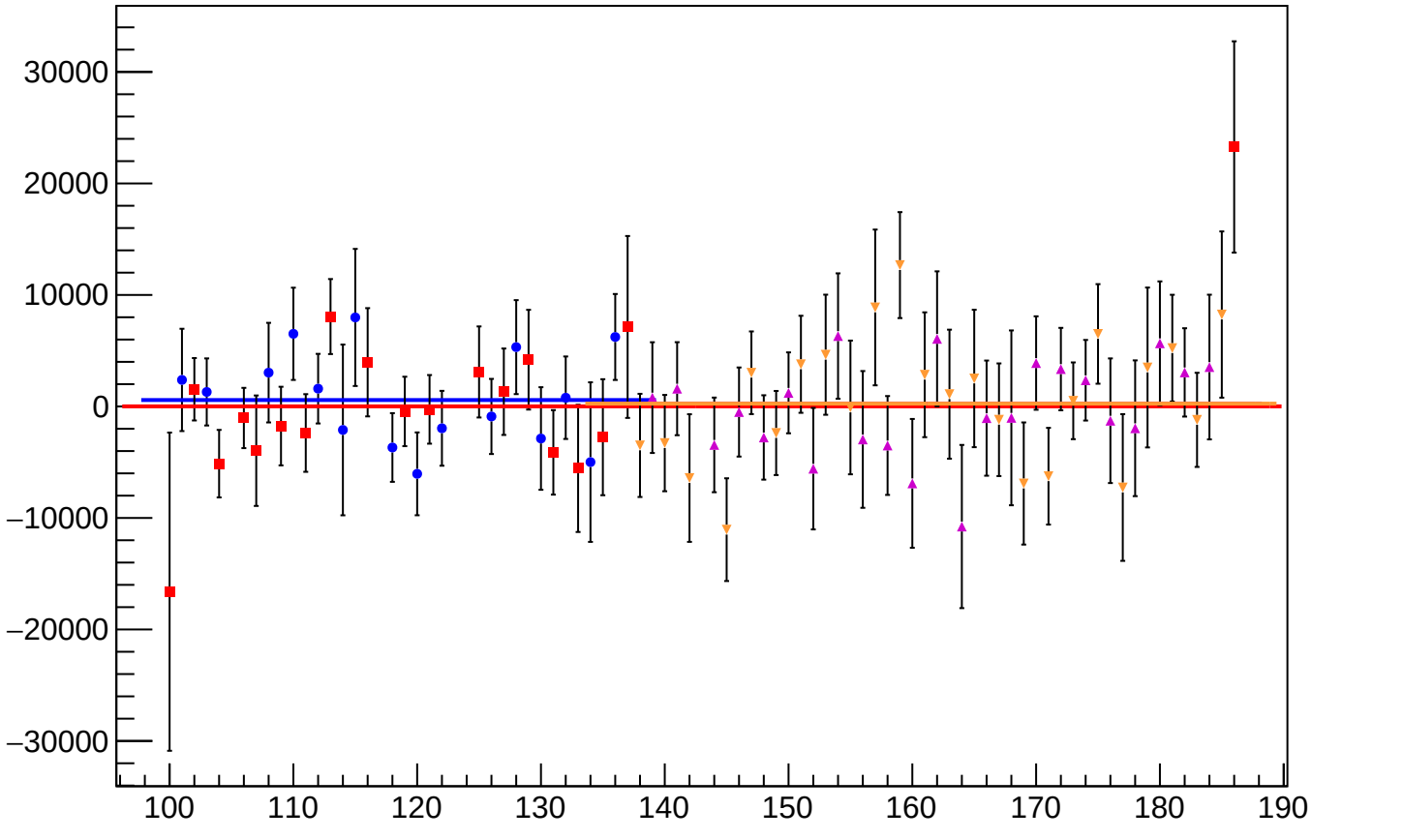
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

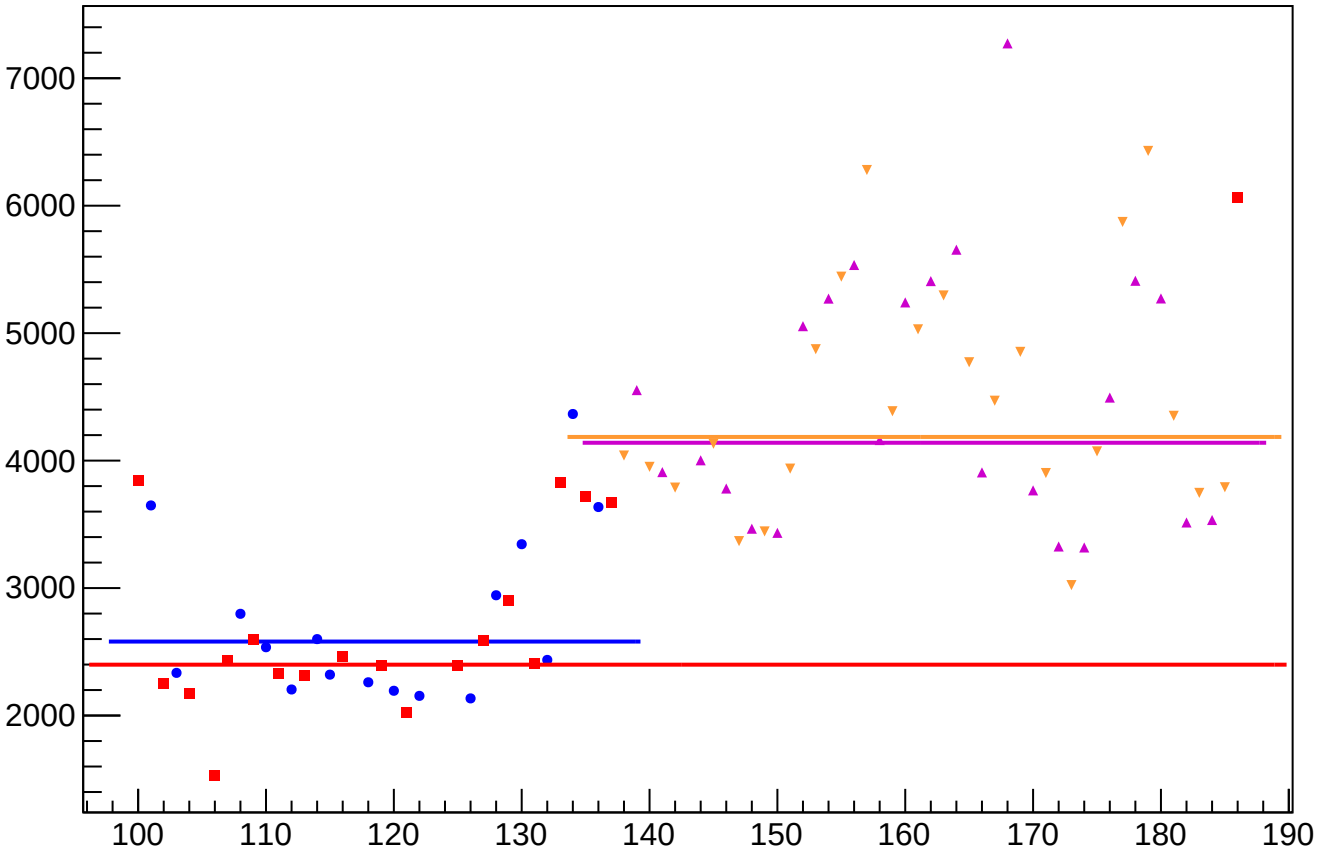
Right: 874.078+/-0.163 χ^2/NDF: 744526.7/34

In: 1067.821+/-0.152 χ^2/NDF:1891587.1/38

Out: 1068.236+/-0.151 χ^2/NDF:1902412.4/42

All: 1068.031+/-0.107 χ^2/NDF: 3794003.2/81


asym_usl_atl2_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 575.271+/-984.888 χ²/NDF: 14.7/15
Left Out: 252.803+/-995.149 χ²/NDF:29.7/23
Right Out: 9.182+/-890.167 χ²/NDF: 23.3/18
Left In: 266.235+/-990.083 χ²/NDF:13.4/22
Left: 259.553+/-701.879 χ²/NDF: 43.1/46
Right: 263.703+/-660.398 χ²/NDF: 38.1/34
In: 421.566+/-698.250 χ²/NDF:28.2/38
Out: 117.469+/-663.465 χ²/NDF:53.0/42
All: 261.754+/-480.968 χ²/NDF: 81.3/81



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

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

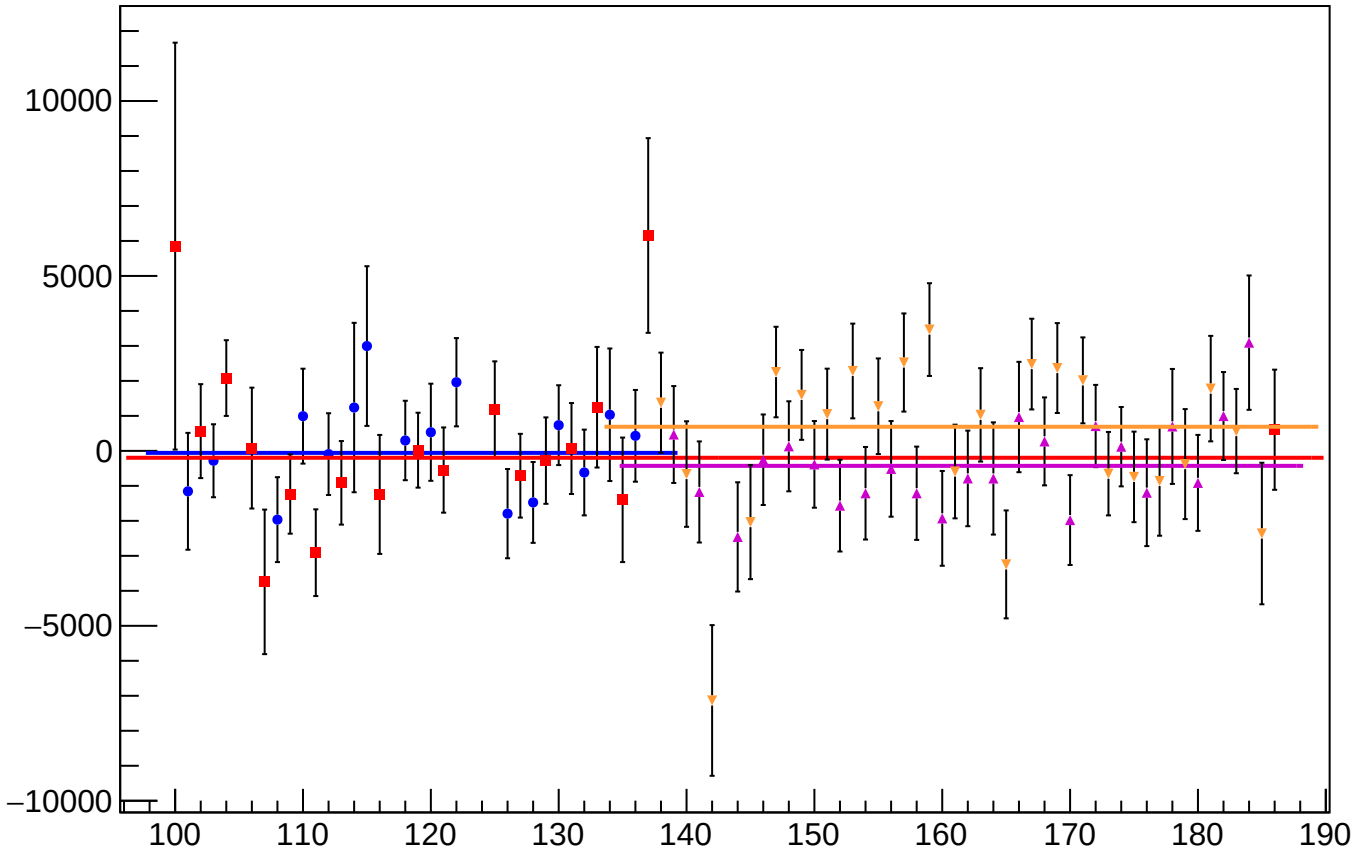
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2480.574+/-0.467 χ^2/NDF: 1568038.3/34

In: 3356.112+/-0.494 χ^2/NDF:4561695.2/38

Out: 3193.172+/-0.469 χ^2/NDF:5765836.3/42

All: 3270.482+/-0.340 χ^2/NDF: 10384765.9/8



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

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

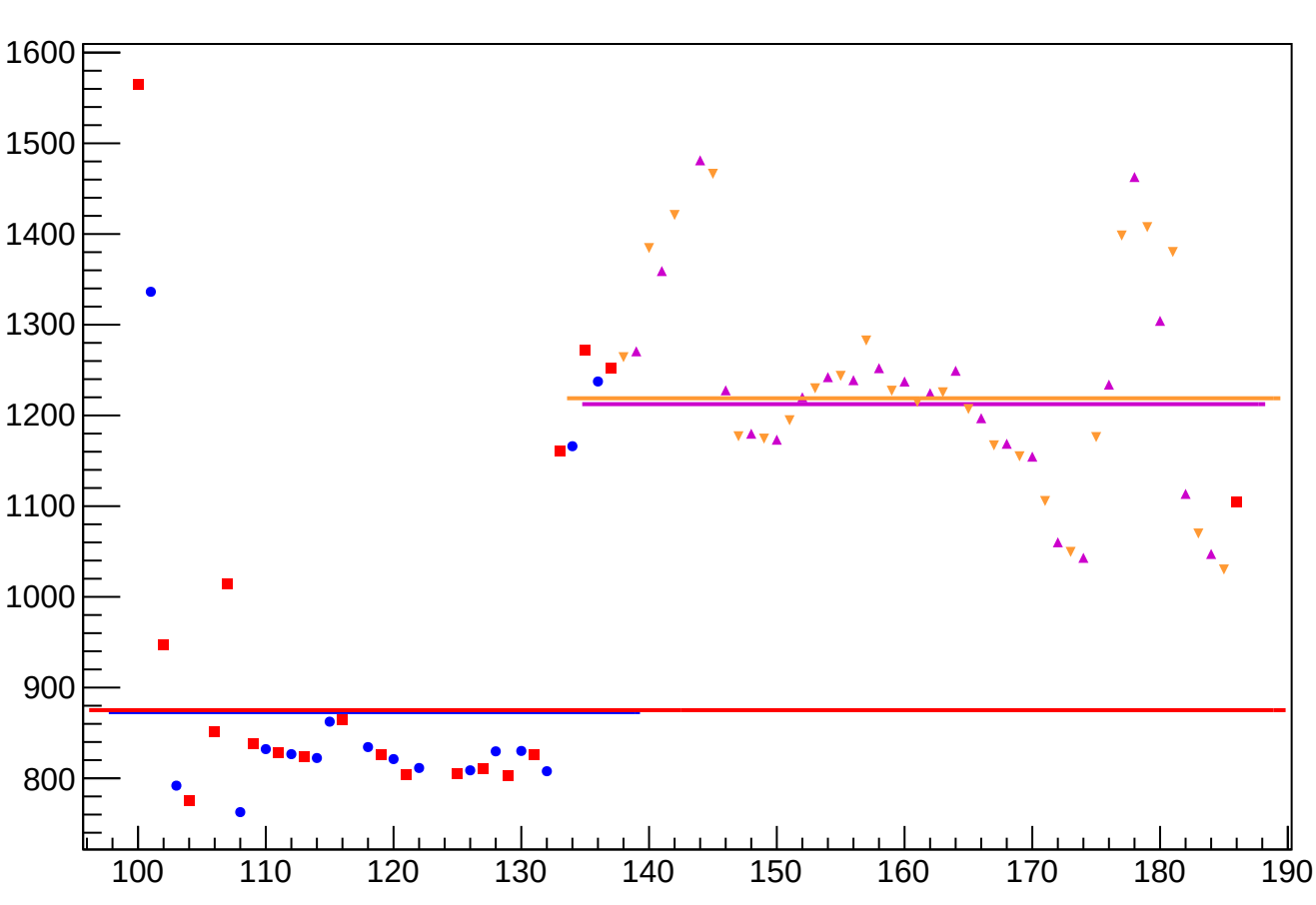
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -128.698+/-230.582 χ^2/NDF: 36.2/34

In: -270.062+/-215.451 χ^2/NDF:28.3/38

Out: 301.194+/-213.226 χ^2/NDF:73.1/42

All: 18.532+/-151.554 χ^2/NDF: 105.0/81



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

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

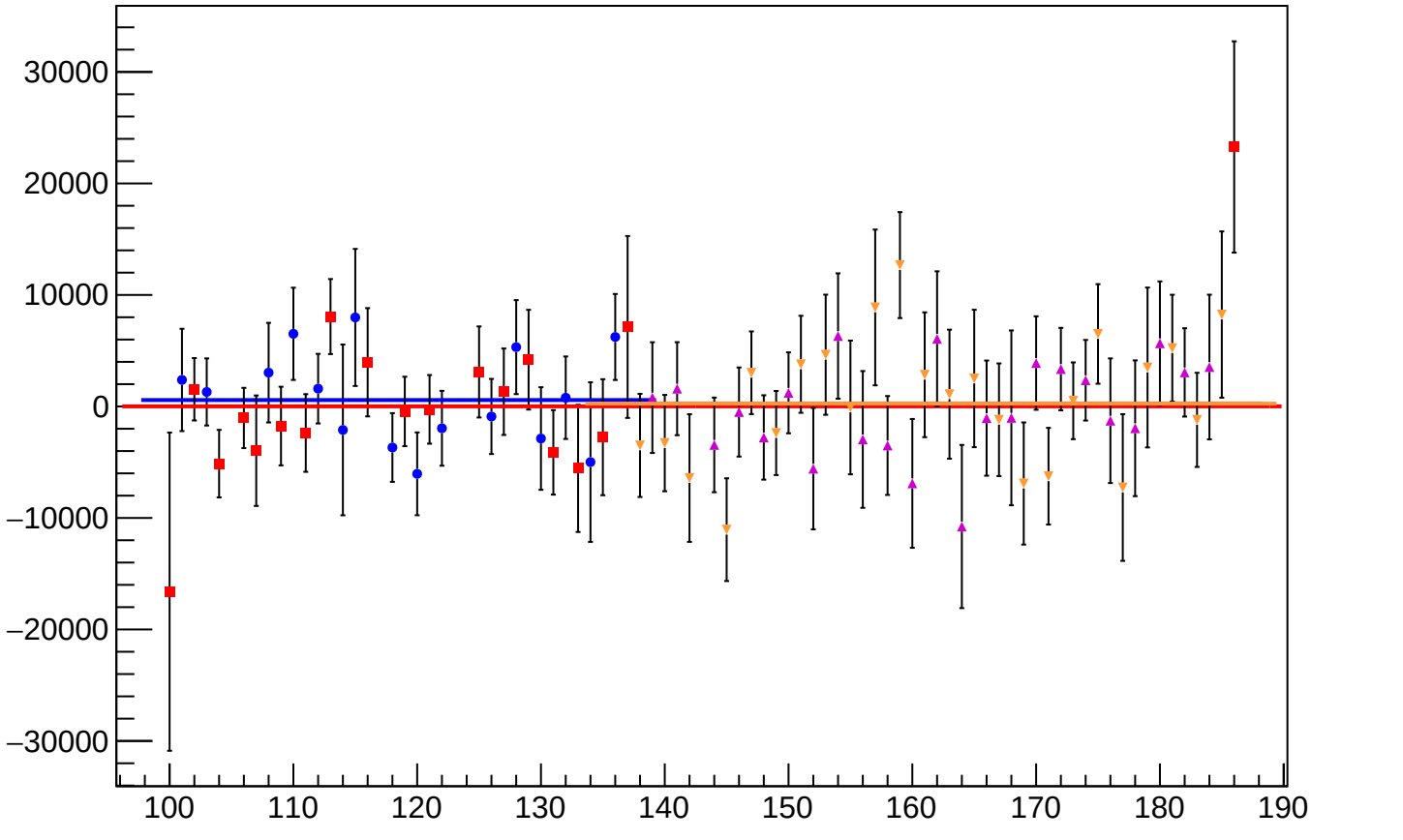
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 874.078+/-0.163 χ^2/NDF: 744526.1/34

In: 1067.821+/-0.152 χ^2/NDF:1891602.9/38

Out: 1068.236+/-0.151 χ^2/NDF:1902429.6/42

All: 1068.031+/-0.107 χ^2/NDF: 3794036.3/81



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

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

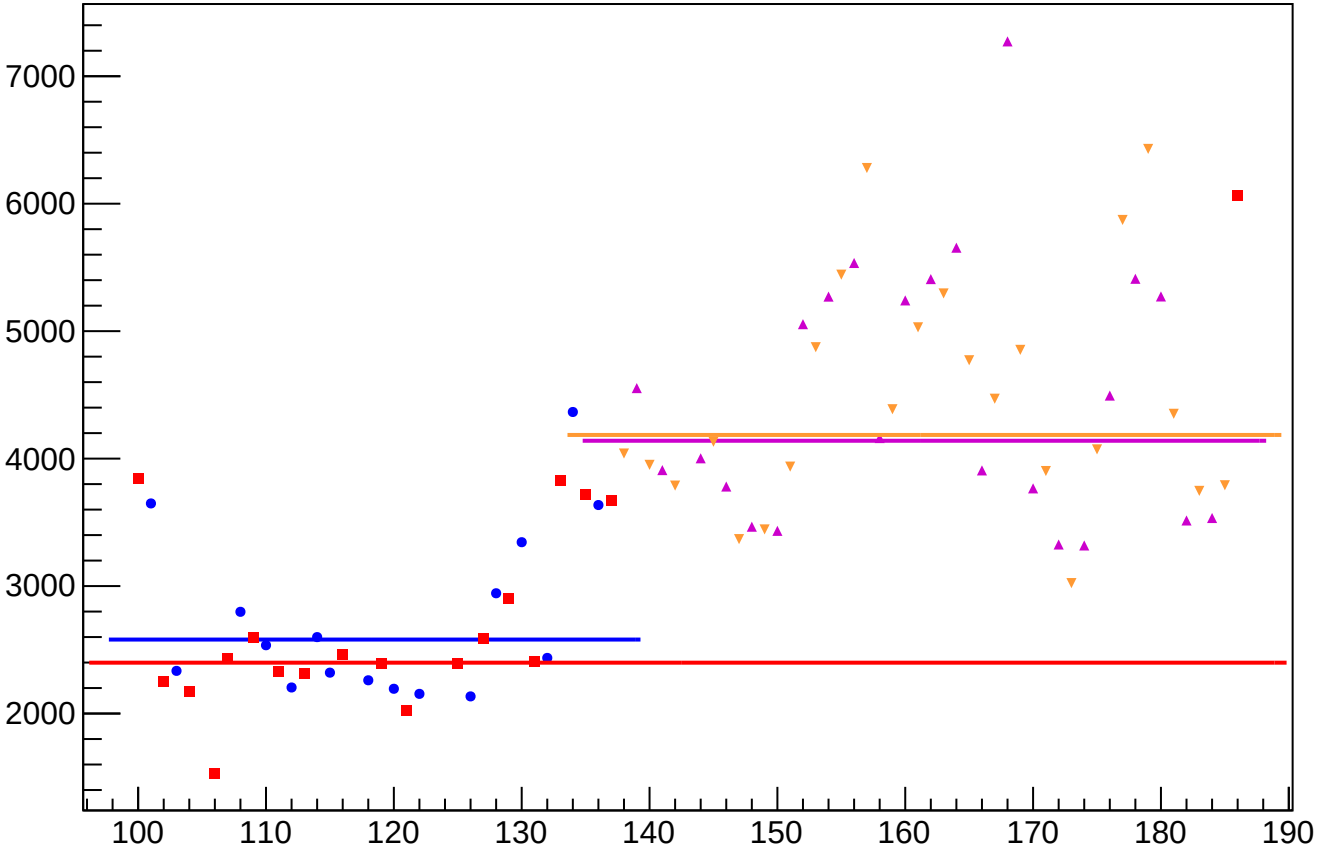
Right: 263.699+/-660.396 χ^2/NDF: 38.1/34

In: 421.565+/-698.250 χ^2/NDF:28.2/38

Out: 117.468+/-663.465 χ^2/NDF:53.0/42

All: 261.753+/-480.968 χ^2/NDF: 81.3/81

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

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

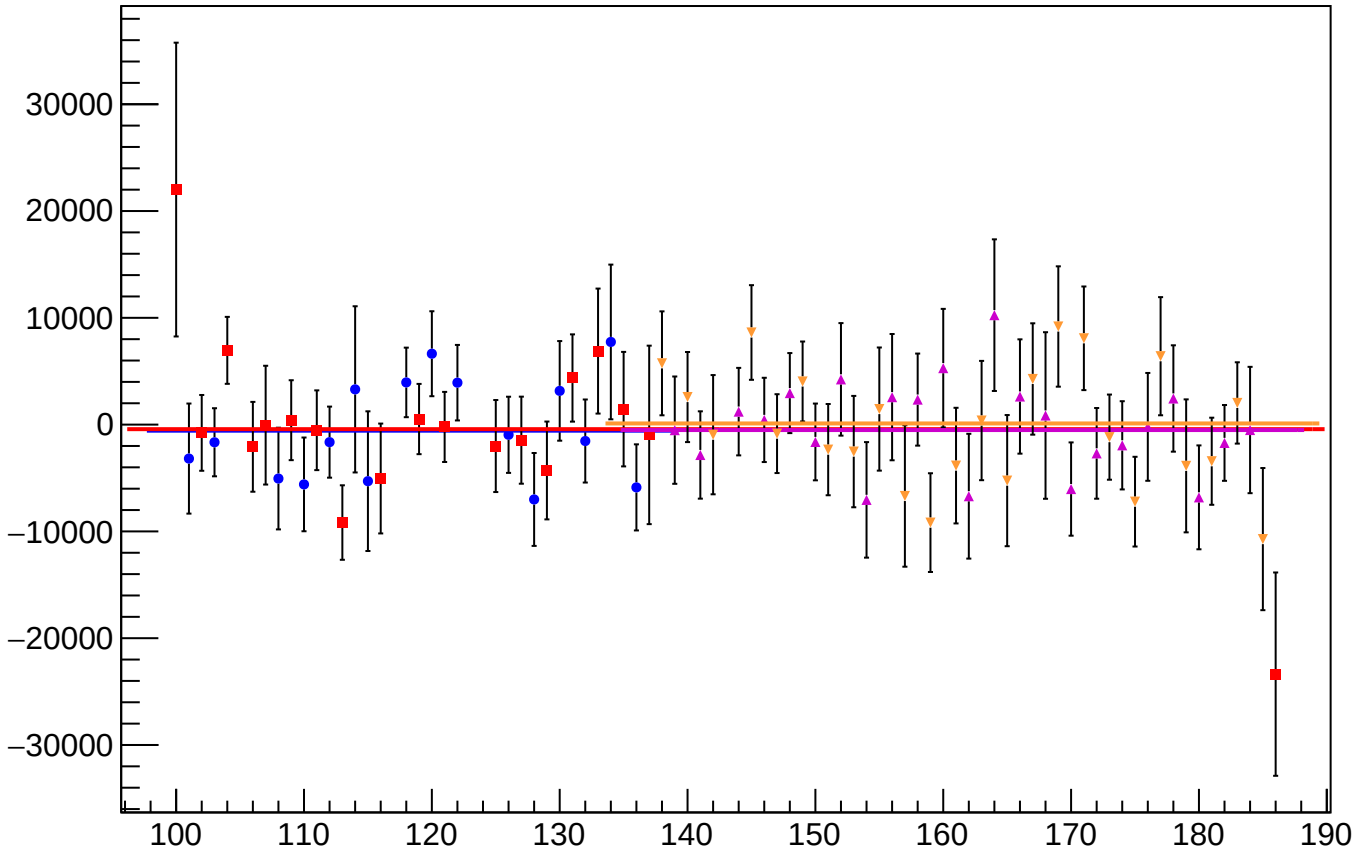
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2480.566+/-0.467 χ^2/NDF: 1568049.9/34

In: 3356.107+/-0.494 χ^2/NDF:4561756.6/38

Out: 3193.168+/-0.469 χ^2/NDF:5765901.3/42

All: 3270.478+/-0.340 χ^2/NDF: 10384892.4/8



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

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

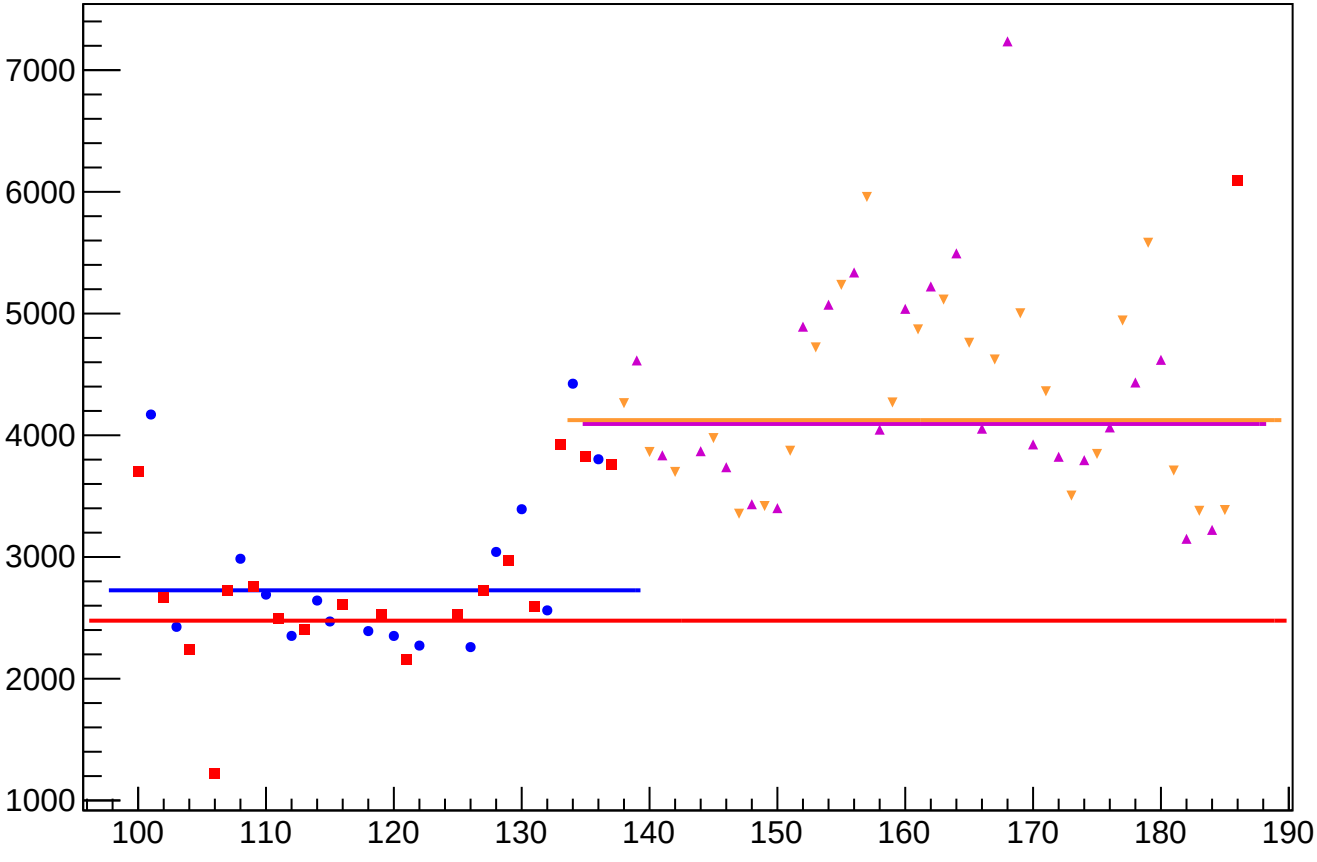
Right: -492.034+/-714.530 χ^2/NDF: 41.6/34

In: -535.688+/-711.078 χ^2/NDF:29.7/38

Out: -156.413+/-692.492 χ^2/NDF:53.6/42

All: -341.029+/-496.106 χ^2/NDF: 83.5/81

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

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

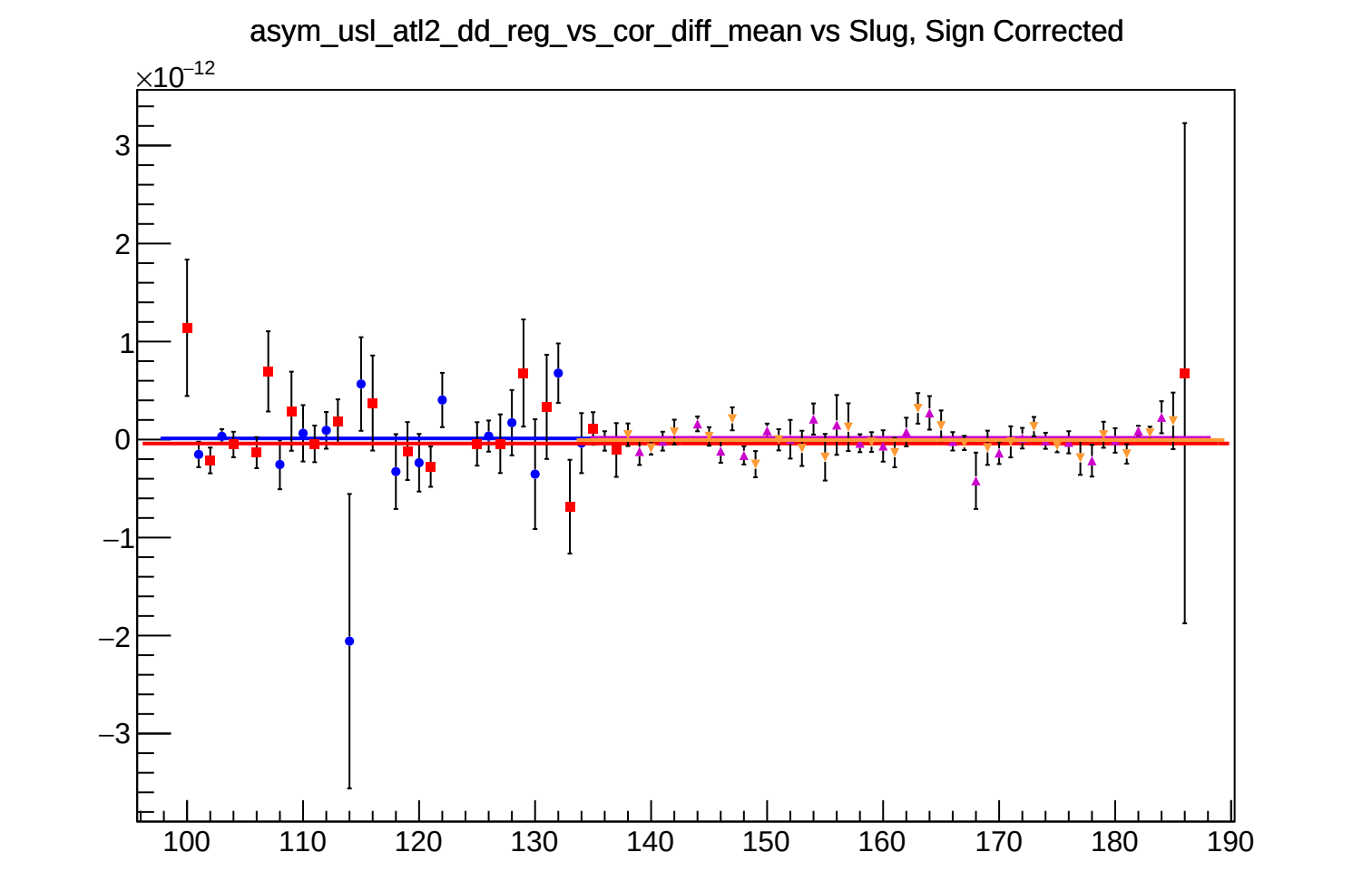
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2588.781+/-0.493 χ^2/NDF: 1869490.8/34

In: 3454.477+/-0.503 χ^2/NDF:3625416.4/38

Out: 3268.857+/-0.478 χ^2/NDF:5115257.9/42

All: 3357.029+/-0.347 χ^2/NDF: 8812220.9/81



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

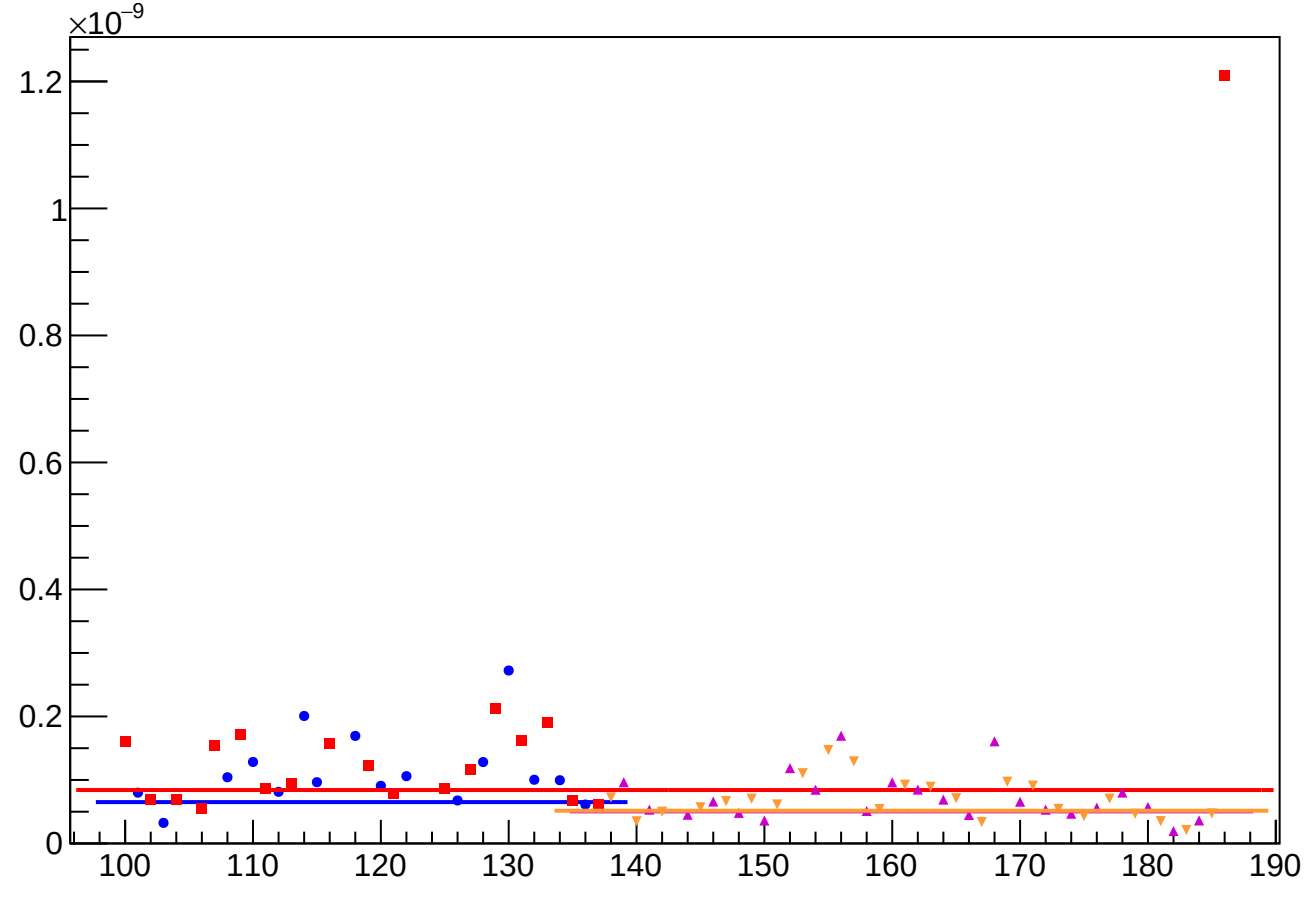
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 33.0/34

In: 0.000+/-0.000 χ^2/NDF:41.1/38

Out: -0.000+/-0.000 χ^2/NDF:41.6/42

All: 0.000+/-0.000 χ^2/NDF: 83.6/81



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

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

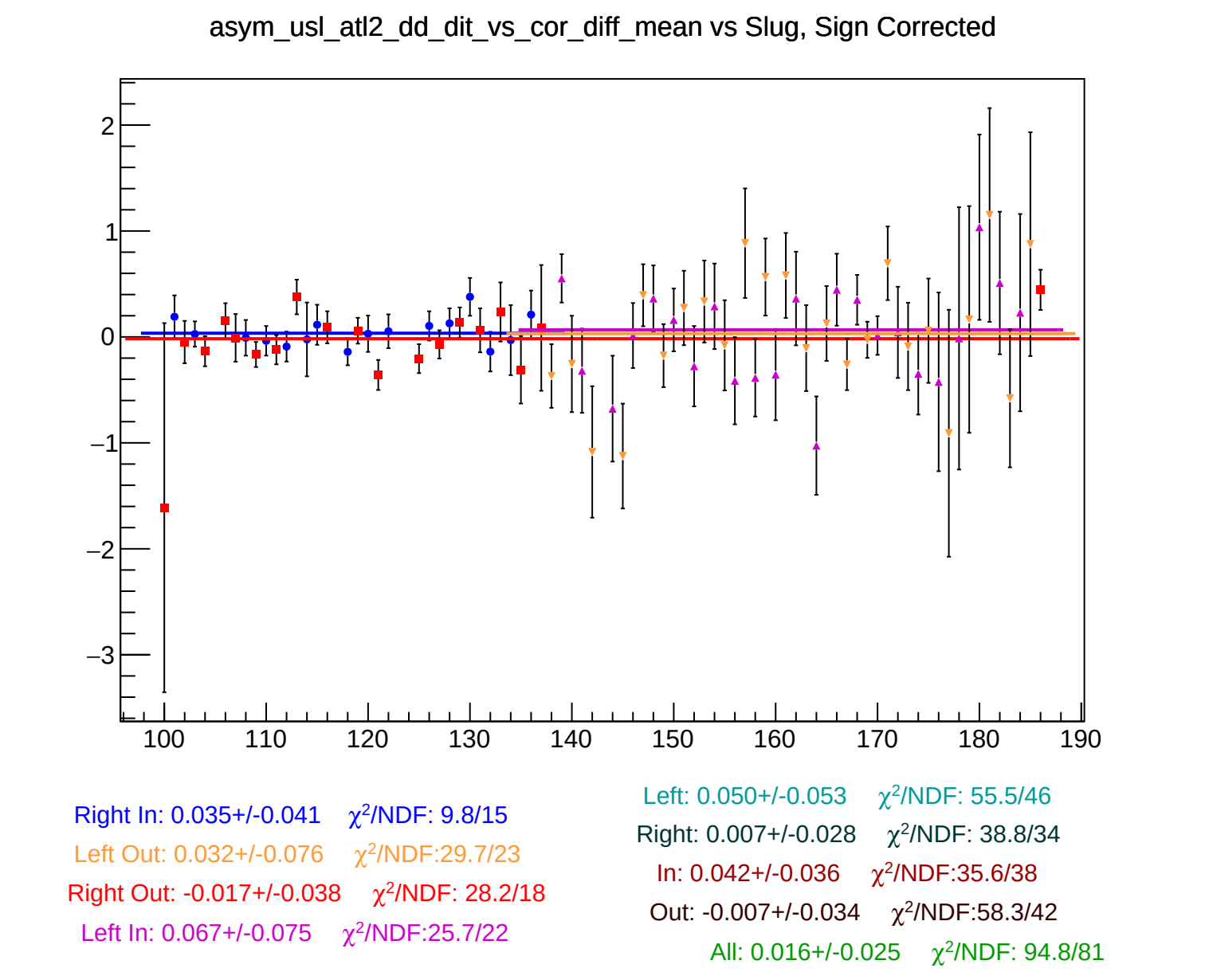
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 2453935.9/34

In: 0.000+/-0.000 χ^2/NDF:3831906.7/38

Out: 0.000+/-0.000 χ^2/NDF:3985004.8/42

All: 0.000+/-0.000 χ^2/NDF: 7838720.6/81


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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120
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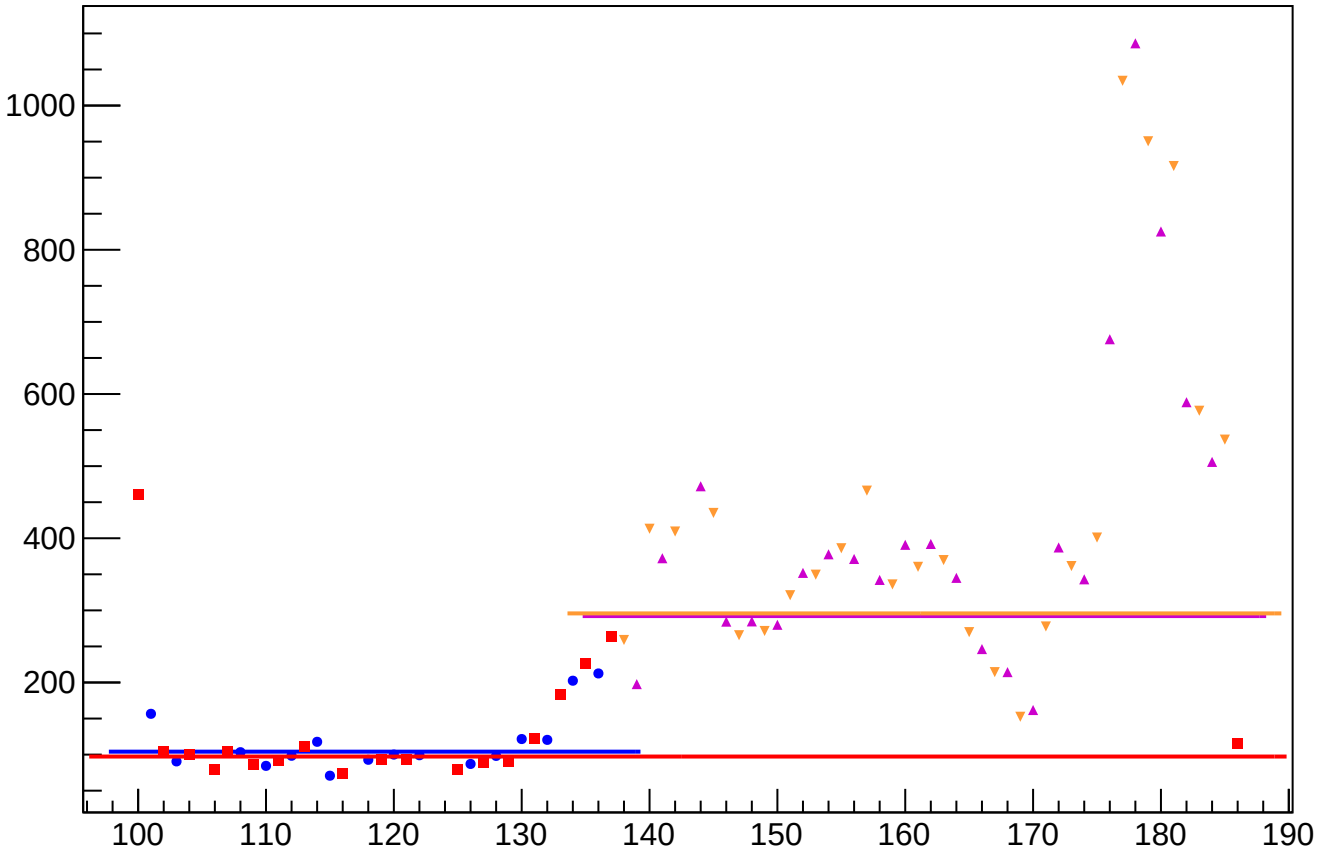
140
150
160
170
180
190
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.017+/-0.038 χ²/NDF: 28.2/18
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.007+/-0.028 χ²/NDF: 38.8/34
In: 0.042+/-0.036 χ²/NDF:35.6/38
Out: -0.007+/-0.034 χ²/NDF:58.3/42
All: 0.016+/-0.025 χ²/NDF: 94.8/81



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

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

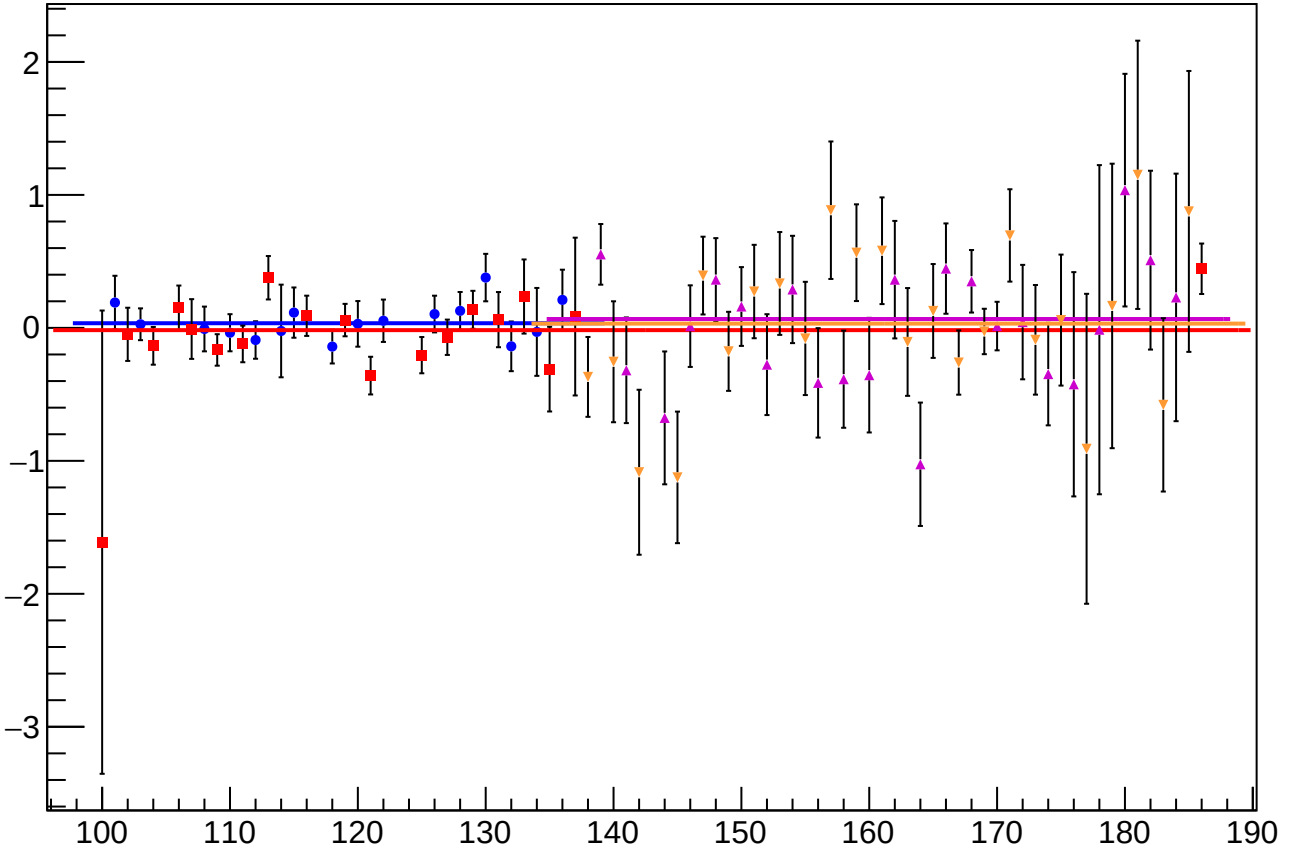
Right: 100.463+/-0.020 χ^2/NDF: 1993431.1/34

In: 147.655+/-0.025 χ^2/NDF:15773373.2/38

Out: 137.196+/-0.024 χ^2/NDF:17373623.4/42

All: 142.142+/-0.017 χ^2/NDF: 33236155.7/81

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-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

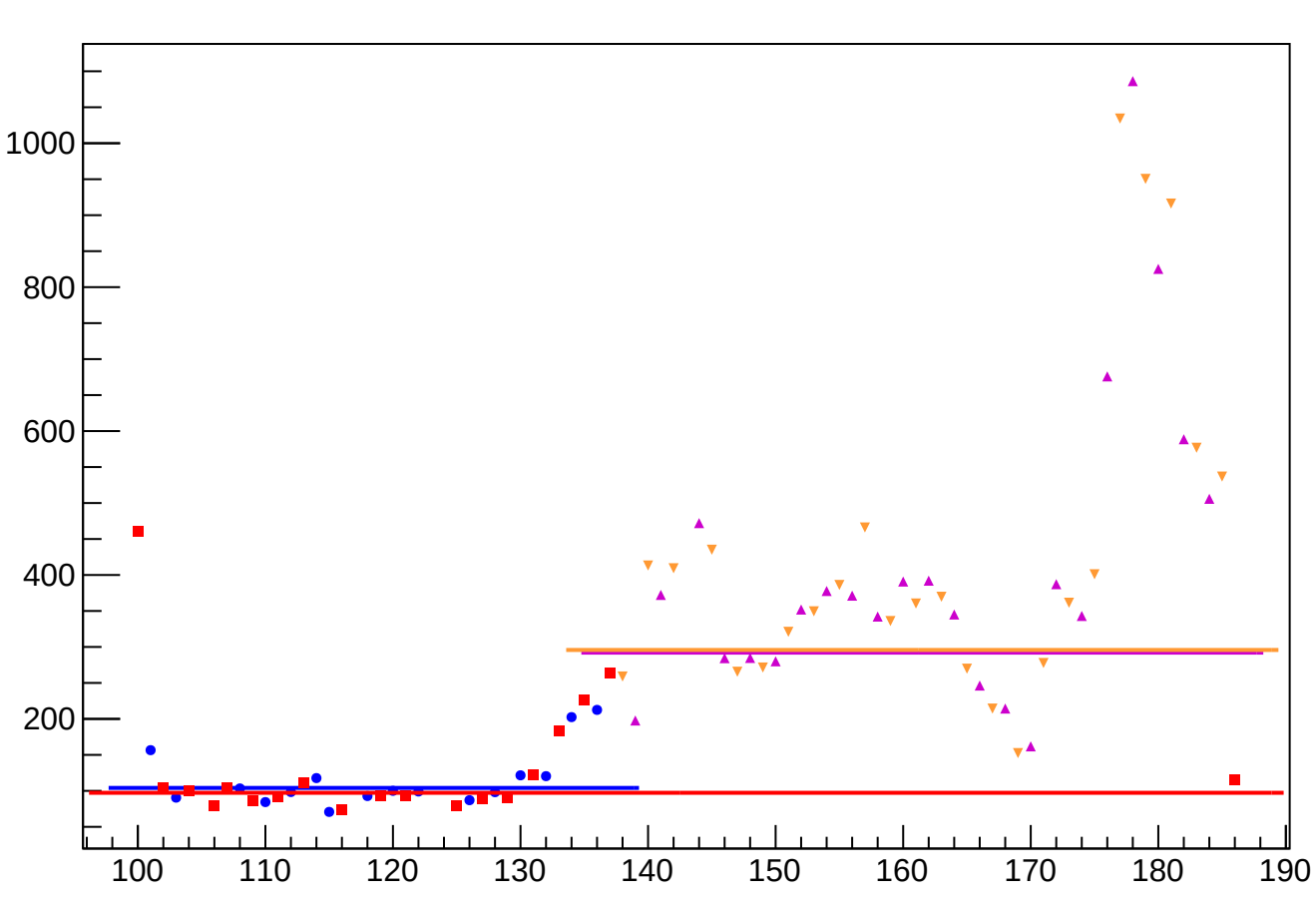
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.028 χ^2/NDF: 38.8/34

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.016+/-0.025 χ^2/NDF: 94.8/81


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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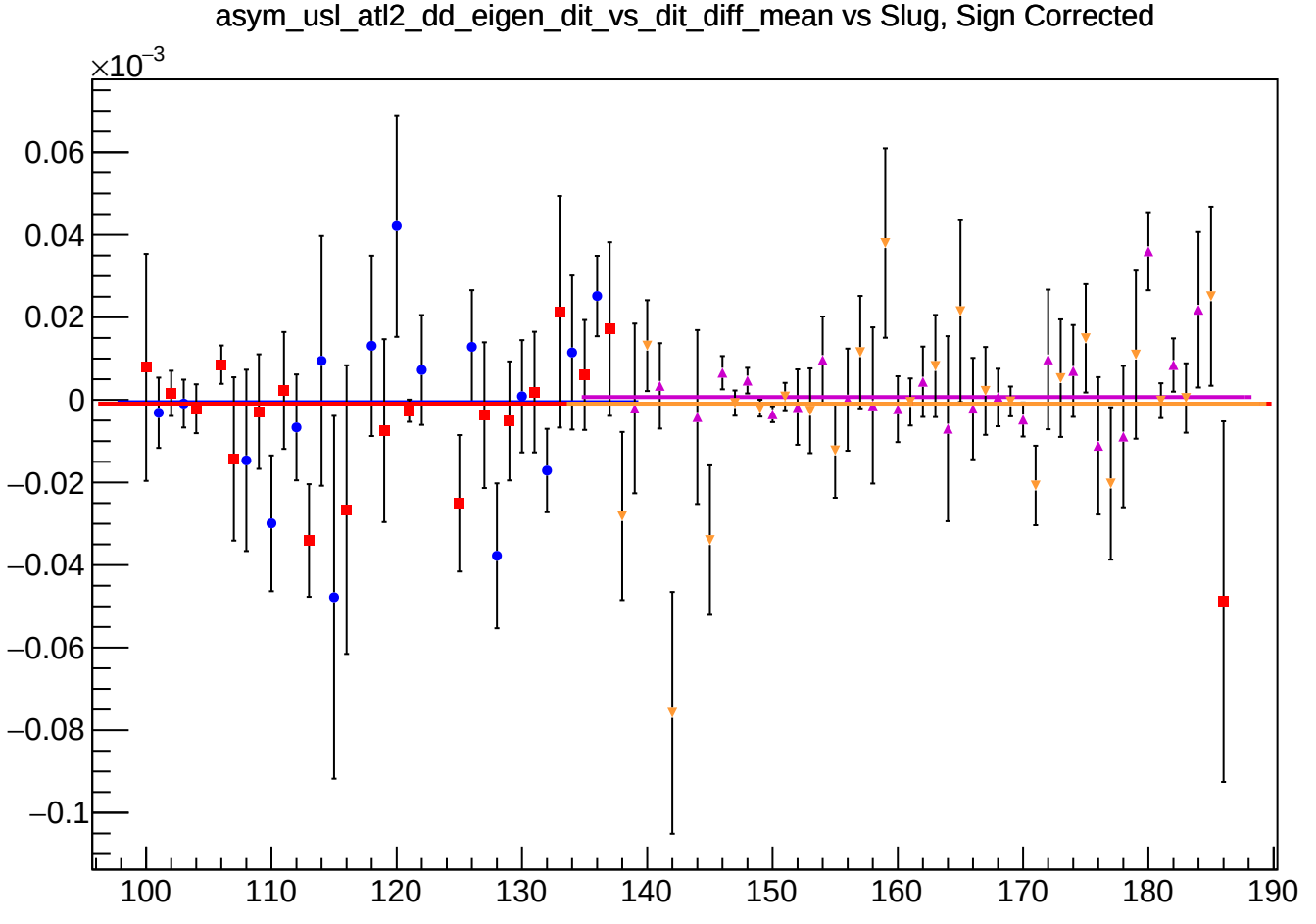
Right In: 104.099+/-0.029 χ²/NDF: 989856.1/15
Left Out: 295.798+/-0.054 χ²/NDF:5501077.8/23
Right Out: 97.326+/-0.027 χ²/NDF: 974314.7/18
Left In: 292.100+/-0.053 χ²/NDF:5055737.7/22
Left: 293.917+/-0.038 χ²/NDF: 10559224.0/46
Right: 100.463+/-0.020 χ²/NDF: 1993431.1/34
In: 147.655+/-0.025 χ²/NDF:15773373.2/38
Out: 137.196+/-0.024 χ²/NDF:17373623.4/42
All: 142.142+/-0.017 χ²/NDF: 33236155.7/81



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

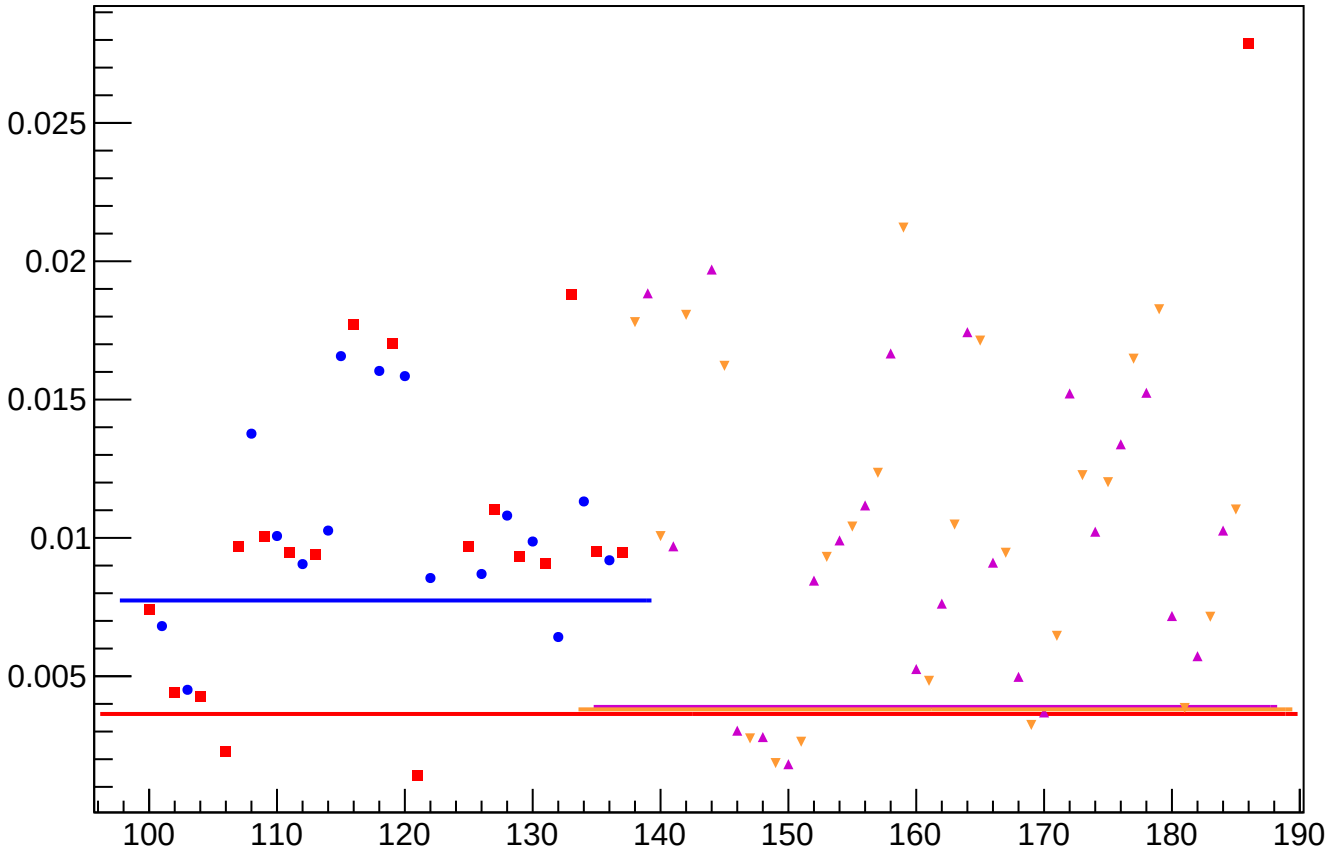
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:53.9/38

Out: -0.000+/-0.000 χ^2/NDF:46.2/42

All: -0.000+/-0.000 χ^2/NDF: 101.0/81



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

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

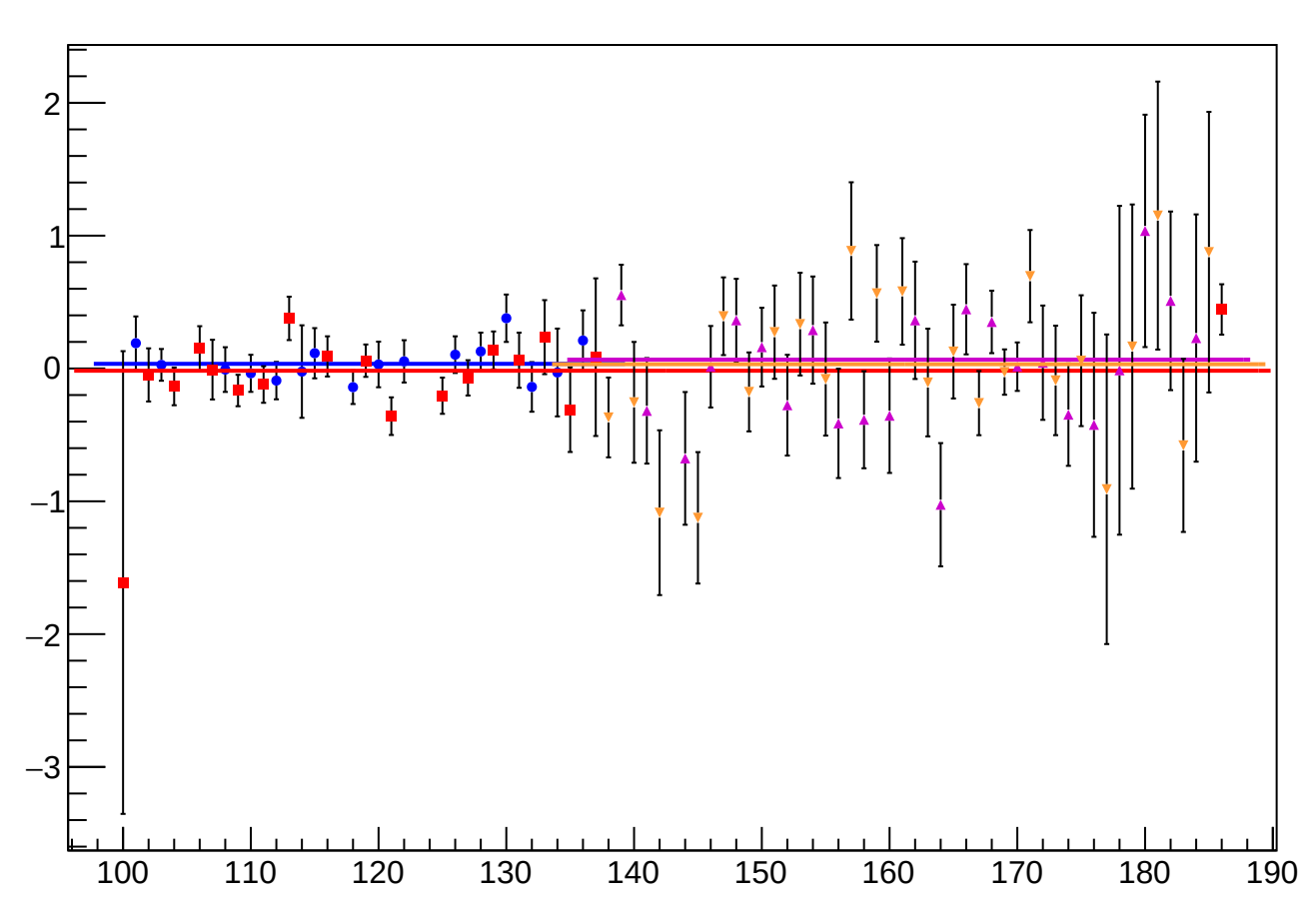
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.005+/-0.000 χ^2/NDF: 11259195.5/34

In: 0.004+/-0.000 χ^2/NDF:17866576.7/38

Out: 0.004+/-0.000 χ^2/NDF:21618346.3/42

All: 0.004+/-0.000 χ^2/NDF: 39862388.4/81



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

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

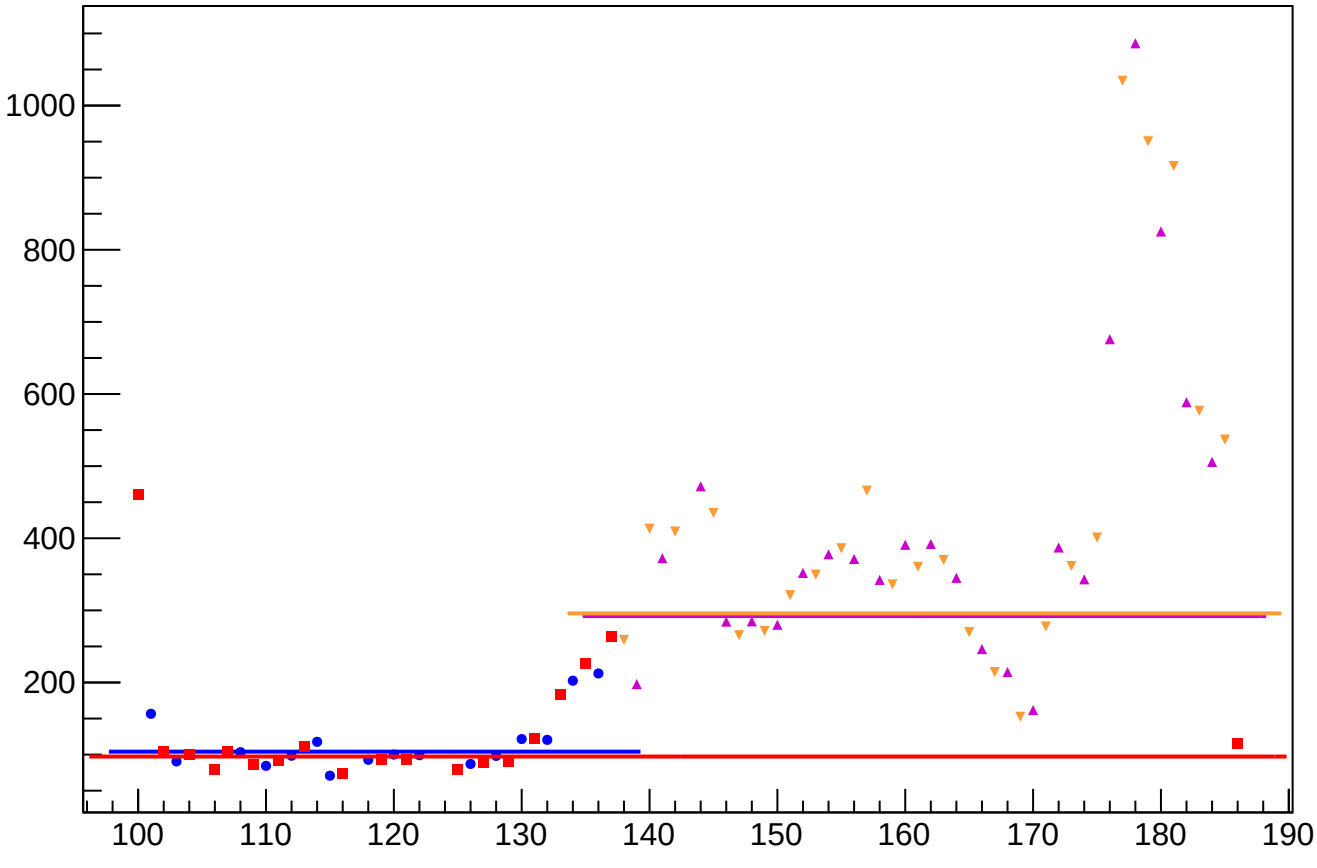
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.028 χ^2/NDF: 38.8/34

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.016+/-0.025 χ^2/NDF: 94.8/81



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

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

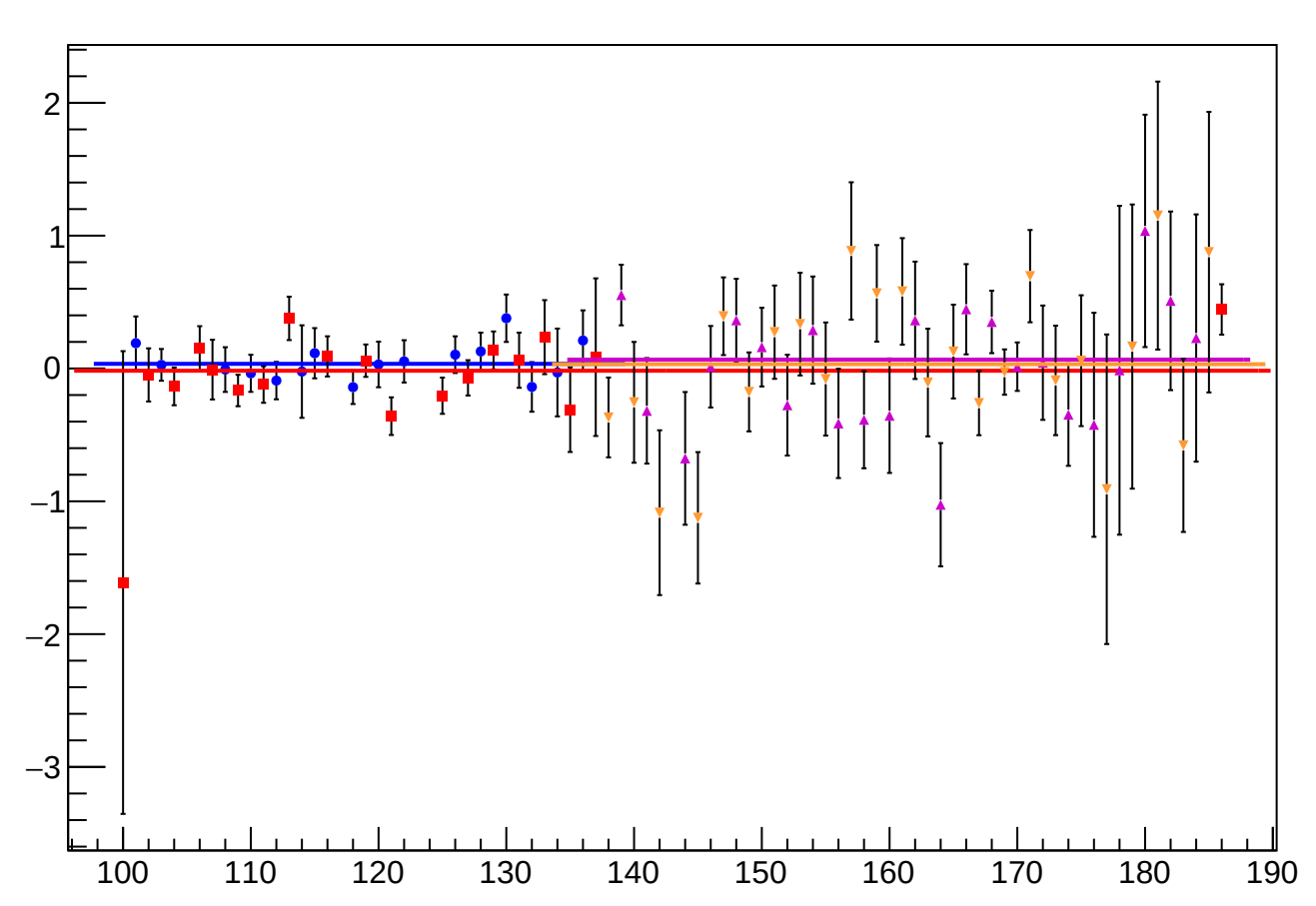
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 100.463+/-0.020 χ^2/NDF: 1993281.2/34

In: 147.656+/-0.025 χ^2/NDF:15773350.4/38

Out: 137.196+/-0.024 χ^2/NDF:17373564.1/42

All: 142.143+/-0.017 χ^2/NDF: 33236079.5/81



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

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

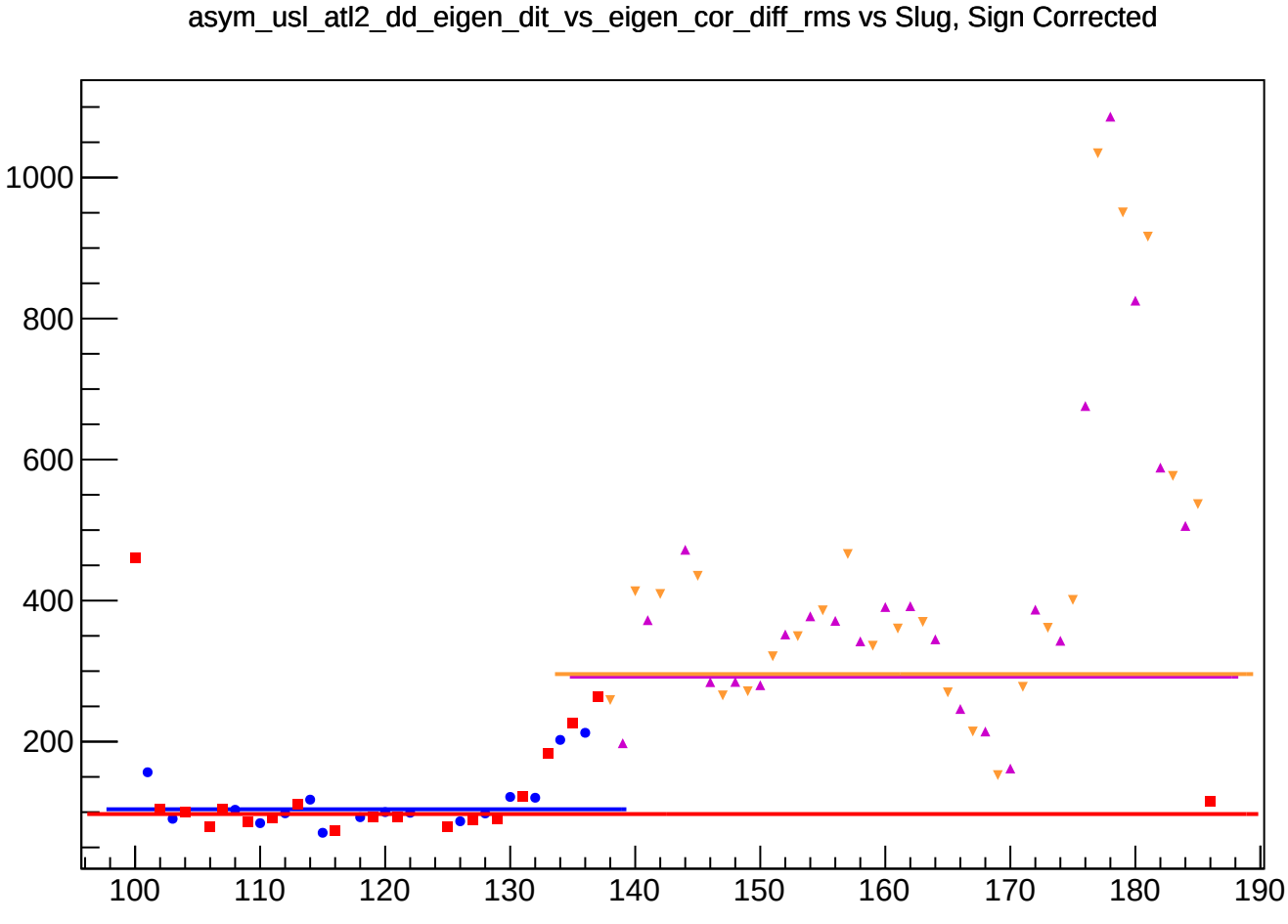
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.028 χ^2/NDF: 38.8/34

In: 0.042+/-0.036 χ^2/NDF:35.6/38

Out: -0.007+/-0.034 χ^2/NDF:58.3/42

All: 0.016+/-0.025 χ^2/NDF: 94.8/81


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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180
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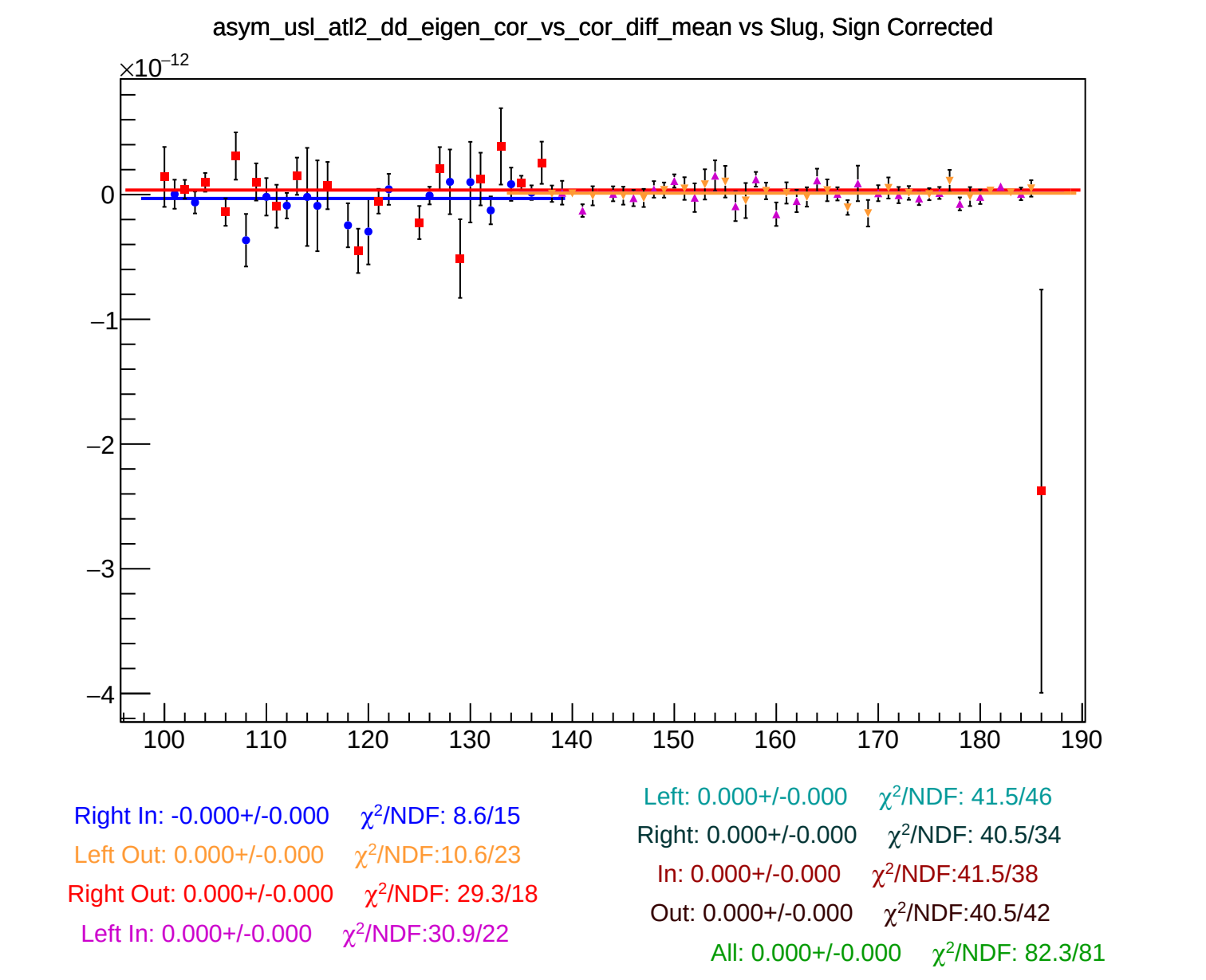
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 97.327+/-0.027 χ²/NDF: 974211.2/18
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
Left: 293.920+/-0.038 χ²/NDF: 10559241.5/46
Right: 100.463+/-0.020 χ²/NDF: 1993281.2/34
In: 147.656+/-0.025 χ²/NDF:15773350.4/38
Out: 137.196+/-0.024 χ²/NDF:17373564.1/42
All: 142.143+/-0.017 χ²/NDF: 33236079.5/81


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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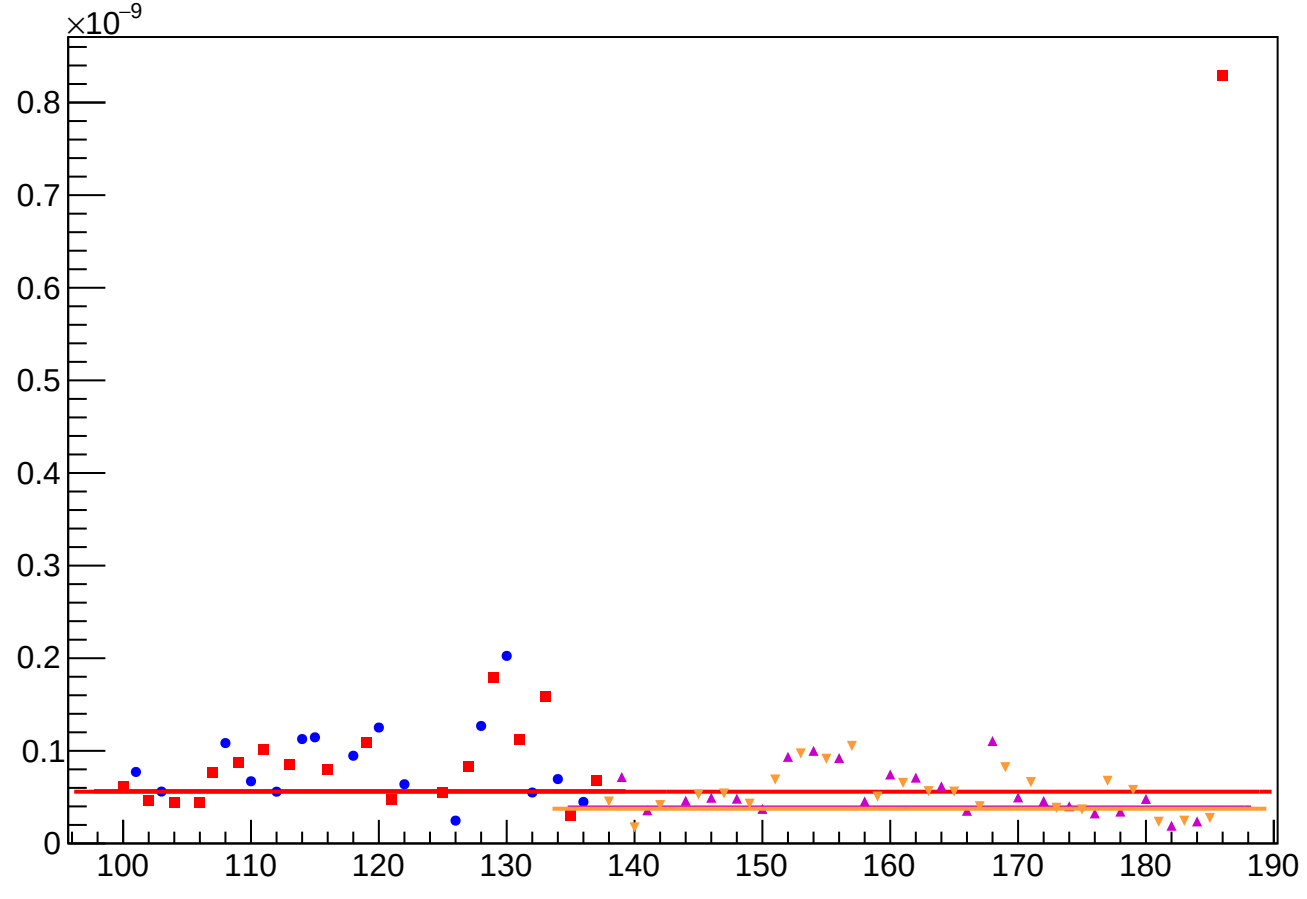
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/18
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.5/46
Right: 0.000+/-0.000 χ²/NDF: 40.5/34
In: 0.000+/-0.000 χ²/NDF:41.5/38
Out: 0.000+/-0.000 χ²/NDF:40.5/42
All: 0.000+/-0.000 χ²/NDF: 82.3/81

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

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

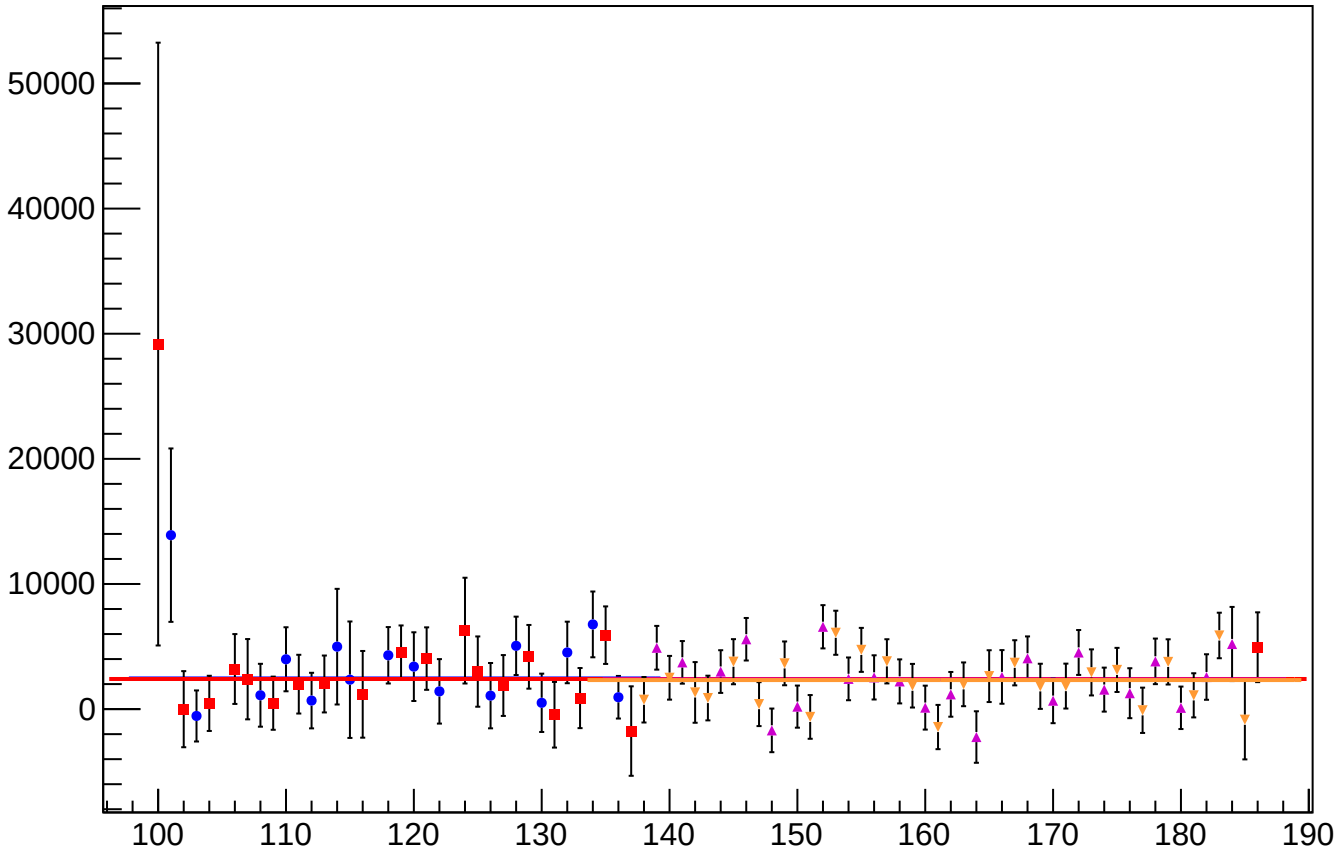
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3808165.8/34

In: 0.000+/-0.000 χ^2/NDF:6759911.2/38

Out: 0.000+/-0.000 χ^2/NDF:7903417.7/42

All: 0.000+/-0.000 χ^2/NDF: 14674040.1/81



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

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

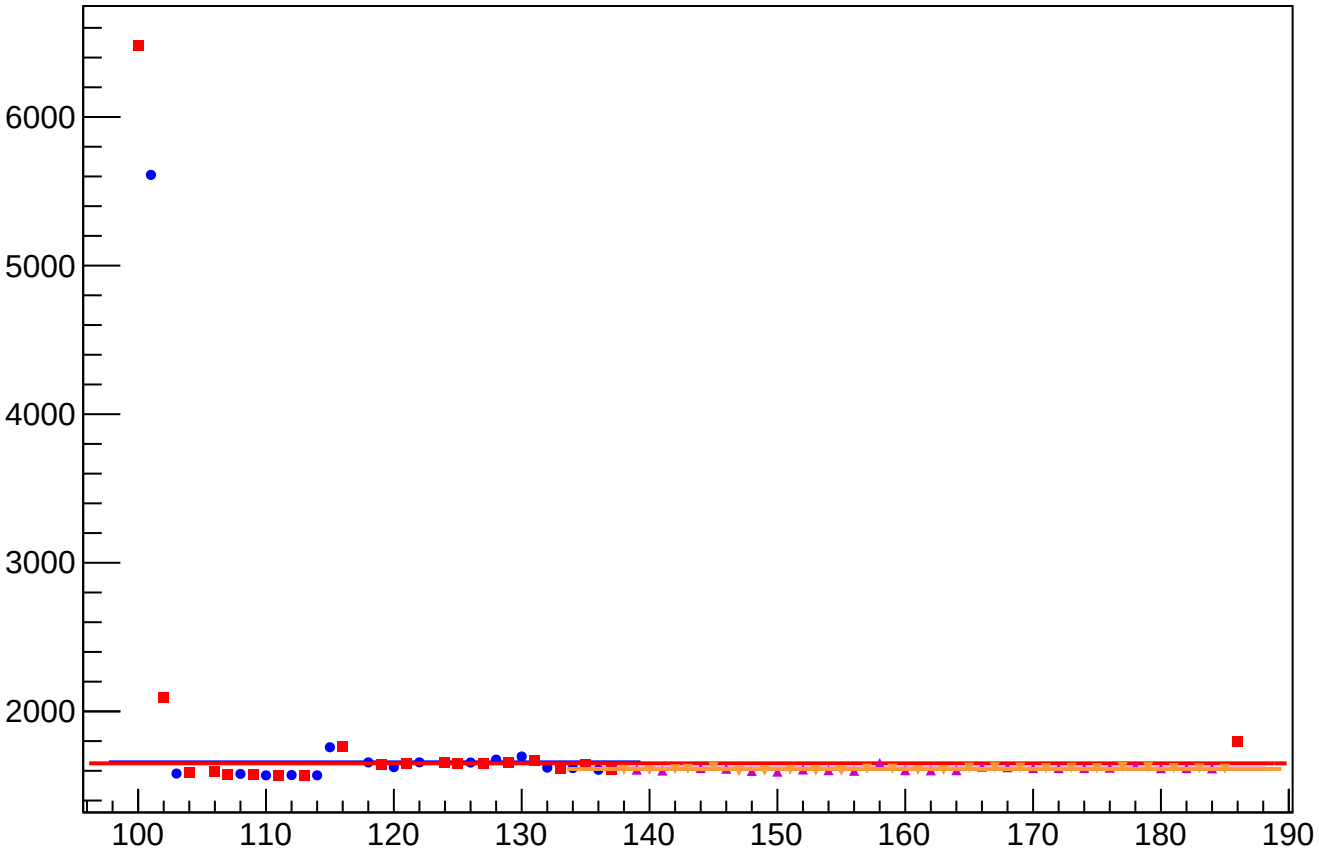
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2427.598+/-432.697 χ^2/NDF: 26.5/35

In: 2391.518+/-323.405 χ^2/NDF:47.6/38

Out: 2344.859+/-311.947 χ^2/NDF:40.2/44

All: 2367.347+/-224.521 χ^2/NDF: 87.8/83



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

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

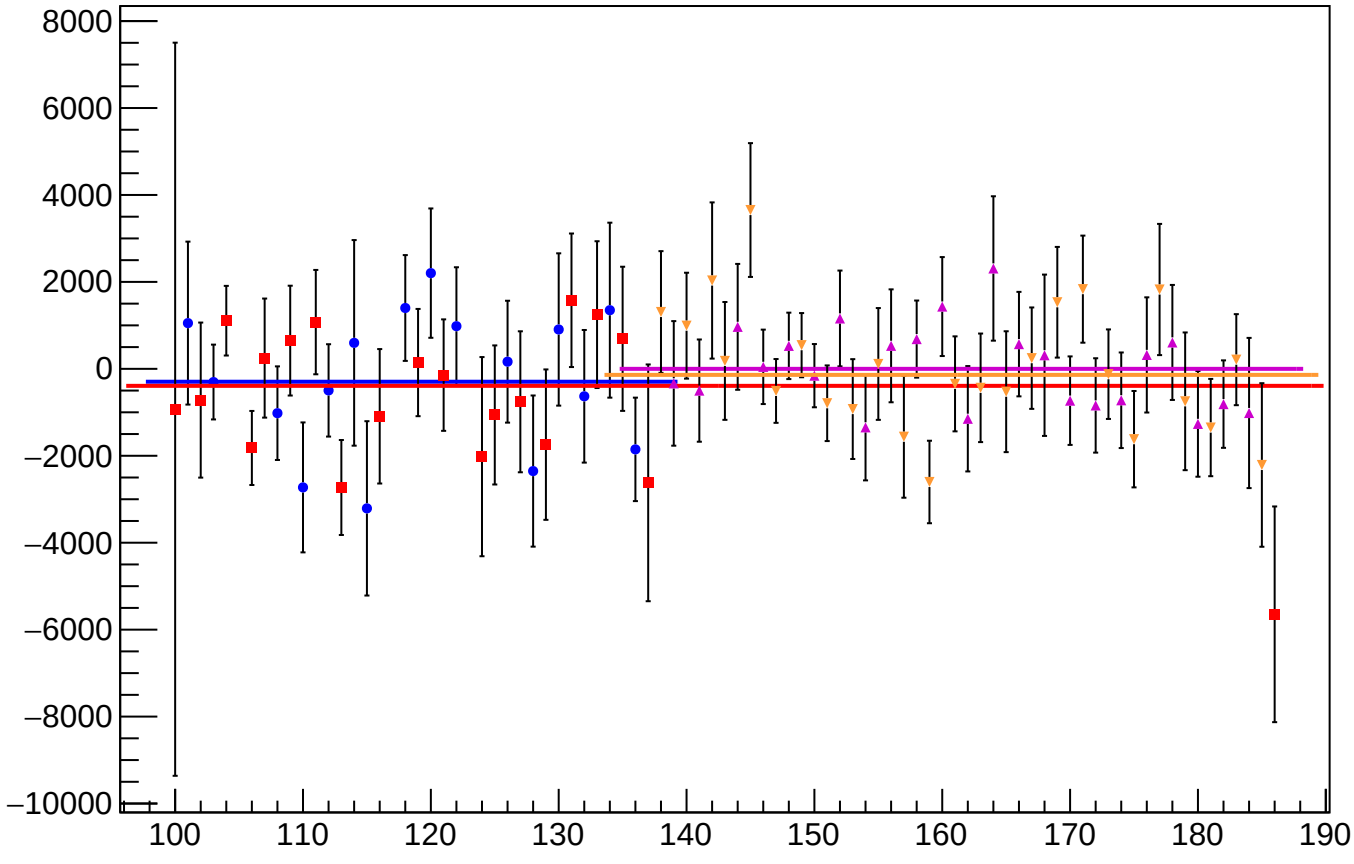
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.304+/-0.306 χ^2/NDF: 808903.1/35

In: 1625.087+/-0.229 χ^2/NDF:675404.4/38

Out: 1622.961+/-0.221 χ^2/NDF:149556.0/44

All: 1623.986+/-0.159 χ^2/NDF: 825005.3/83



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -391.297+/-310.516 χ^2/NDF: 23.3/19

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

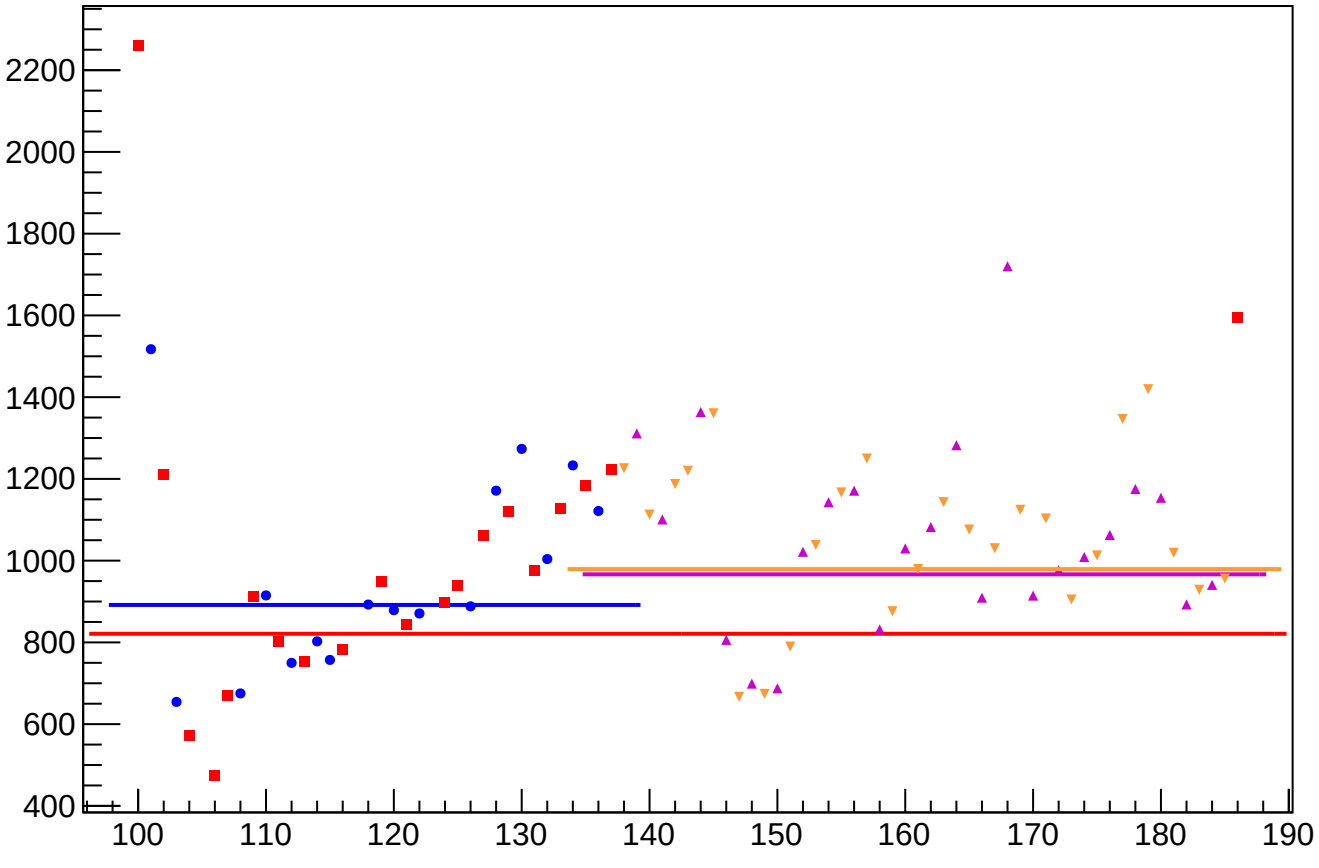
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -348.636+/-230.329 χ^2/NDF: 39.3/35

In: -92.901+/-192.191 χ^2/NDF:29.3/38

Out: -227.957+/-184.367 χ^2/NDF:53.8/44

All: -163.234+/-133.047 χ^2/NDF: 83.4/83



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

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

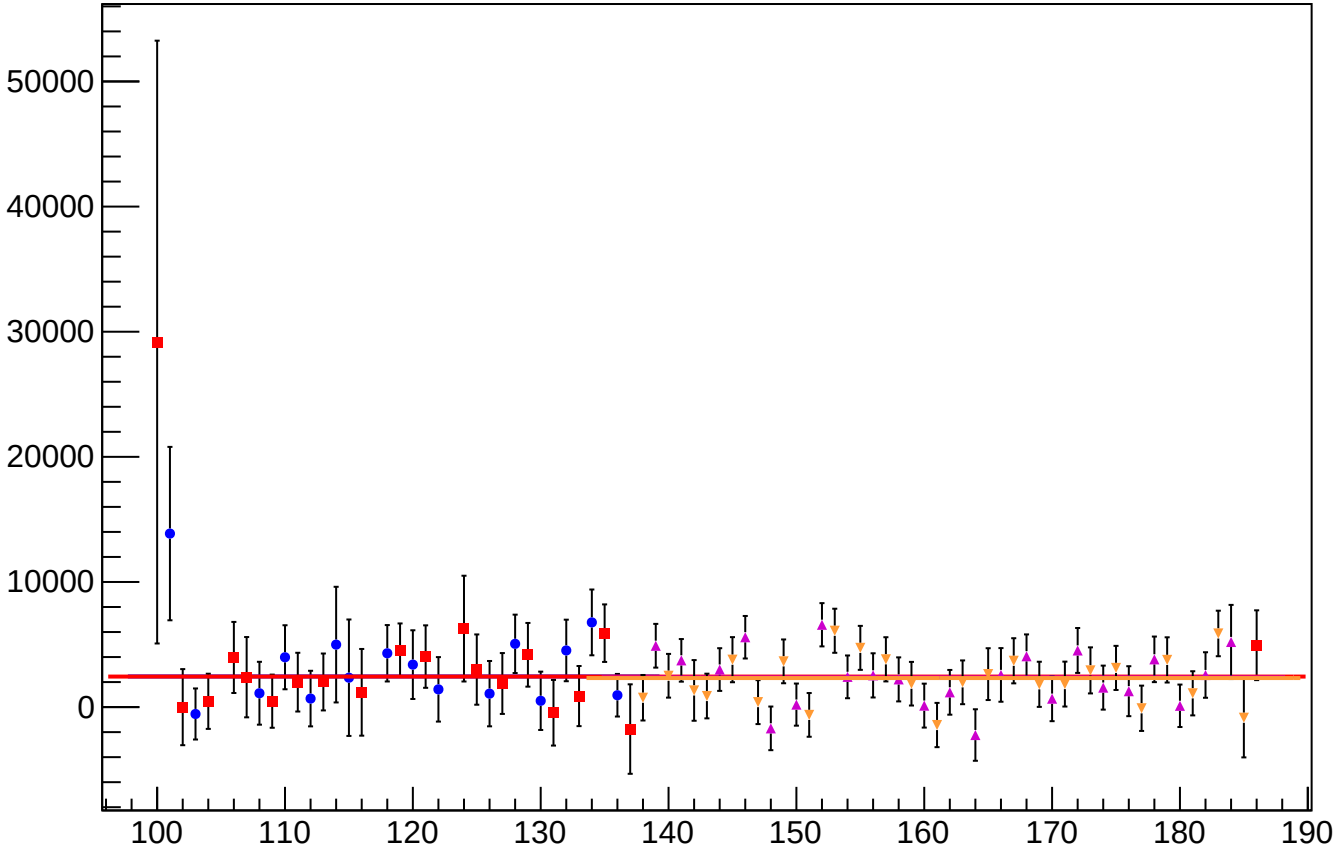
Right: 852.828+/-0.163 χ^2/NDF: 2121263.6/35

In: 943.072+/-0.136 χ^2/NDF:2461817.4/38

Out: 923.528+/-0.130 χ^2/NDF:3247653.3/44

All: 932.894+/-0.094 χ^2/NDF: 5720241.6/83

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

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

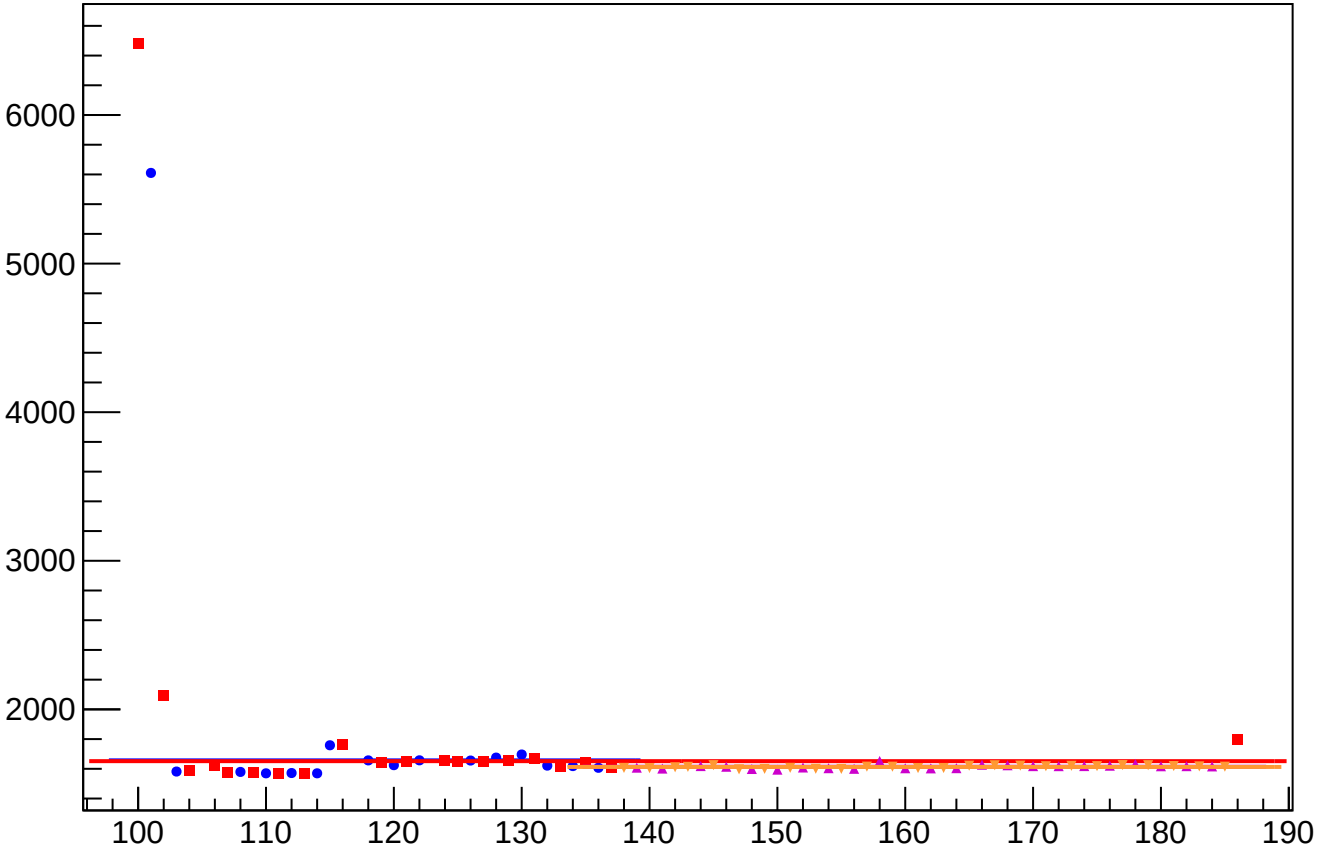
Right: 2444.588+/-432.877 χ^2/NDF: 26.7/35

In: 2391.422+/-323.405 χ^2/NDF:47.6/38

Out: 2353.757+/-312.014 χ^2/NDF:40.4/44

All: 2371.915+/-224.546 χ^2/NDF: 88.0/83

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

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

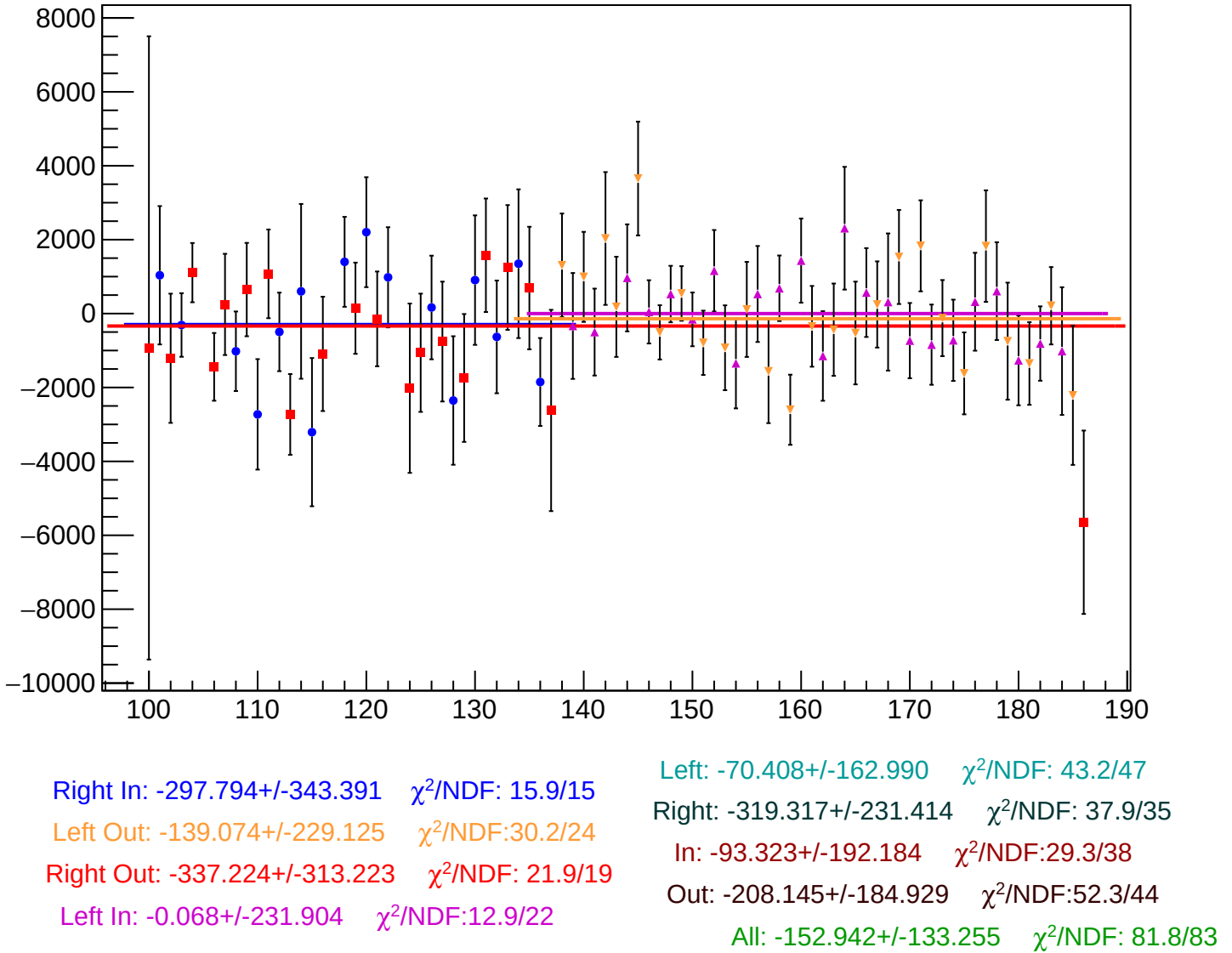
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.968+/-0.306 χ^2/NDF: 808253.0/35

In: 1625.087+/-0.229 χ^2/NDF:675404.0/38

Out: 1623.293+/-0.221 χ^2/NDF:149331.4/44

All: 1624.158+/-0.159 χ^2/NDF: 824767.2/83


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
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−2000
−4000
−6000
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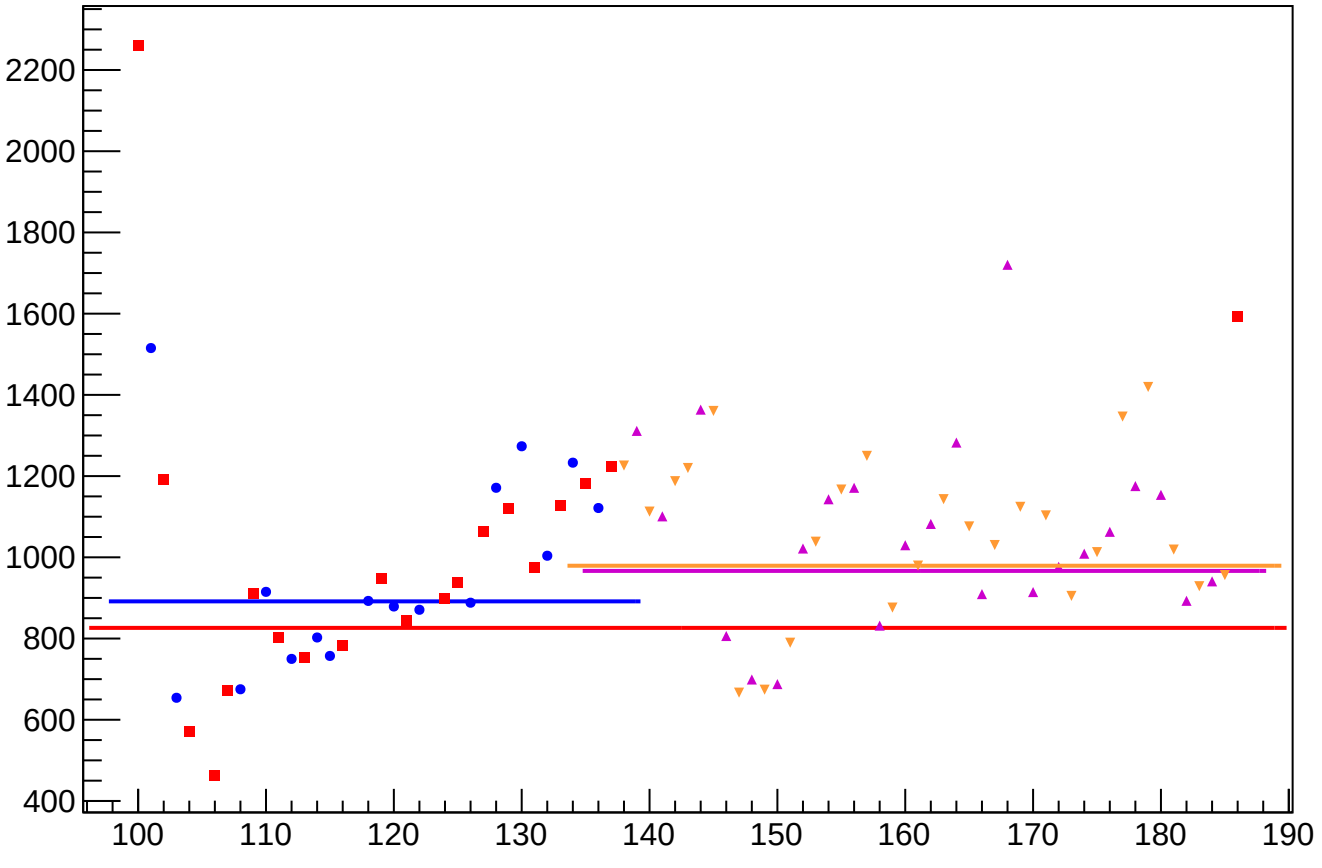
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -337.224+/-313.223 χ²/NDF: 21.9/19
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -319.317+/-231.414 χ²/NDF: 37.9/35
In: -93.323+/-192.184 χ²/NDF:29.3/38
Out: -208.145+/-184.929 χ²/NDF:52.3/44
All: -152.942+/-133.255 χ²/NDF: 81.8/83



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

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

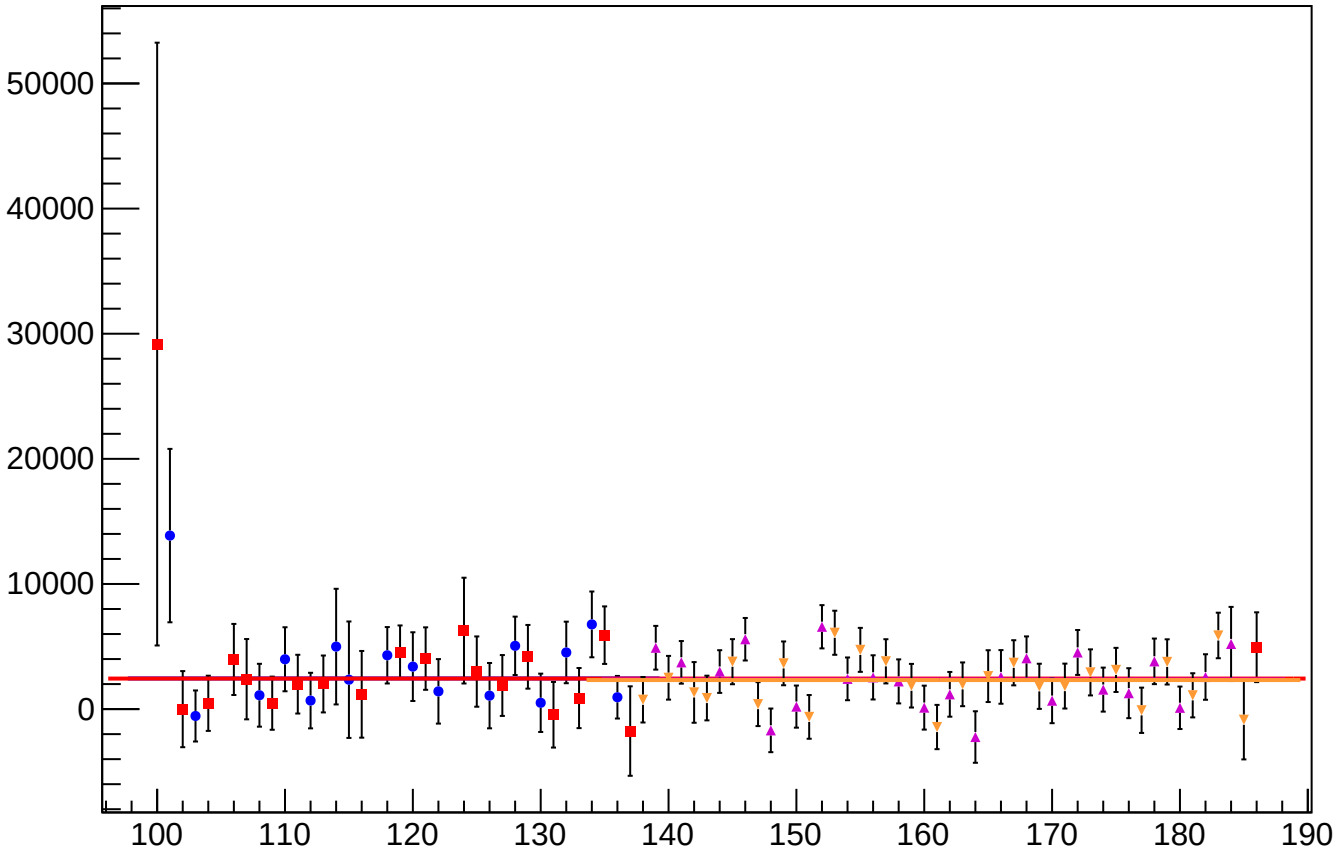
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 855.893+/-0.164 χ^2/NDF: 2080676.3/35

In: 943.040+/-0.136 χ^2/NDF:2461739.2/38

Out: 925.939+/-0.131 χ^2/NDF:3189341.3/44

All: 934.161+/-0.094 χ^2/NDF: 5659303.3/83



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

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

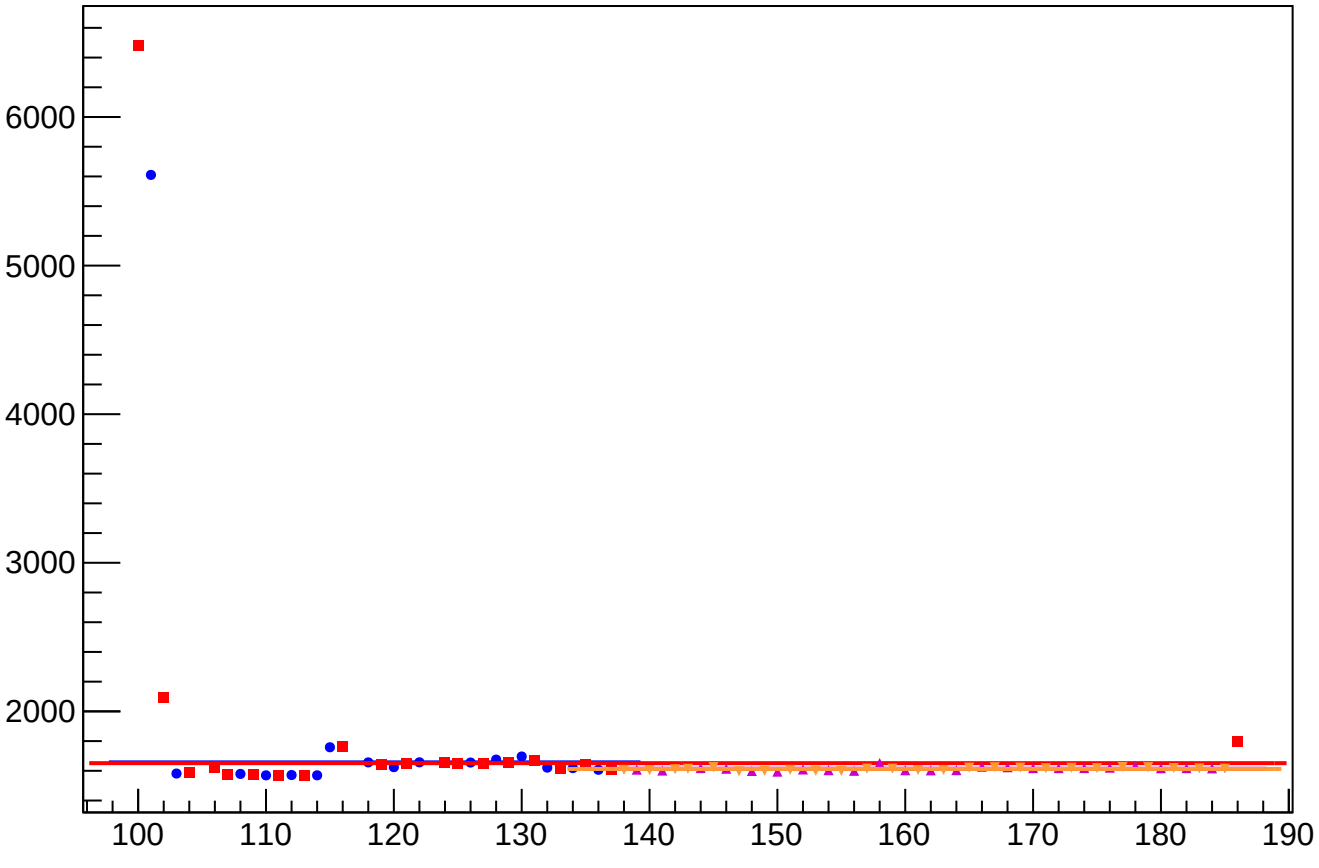
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2444.588+/-432.877 χ^2/NDF: 26.7/35

In: 2391.422+/-323.405 χ^2/NDF:47.6/38

Out: 2353.757+/-312.014 χ^2/NDF:40.4/44

All: 2371.915+/-224.546 χ^2/NDF: 88.0/83



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

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

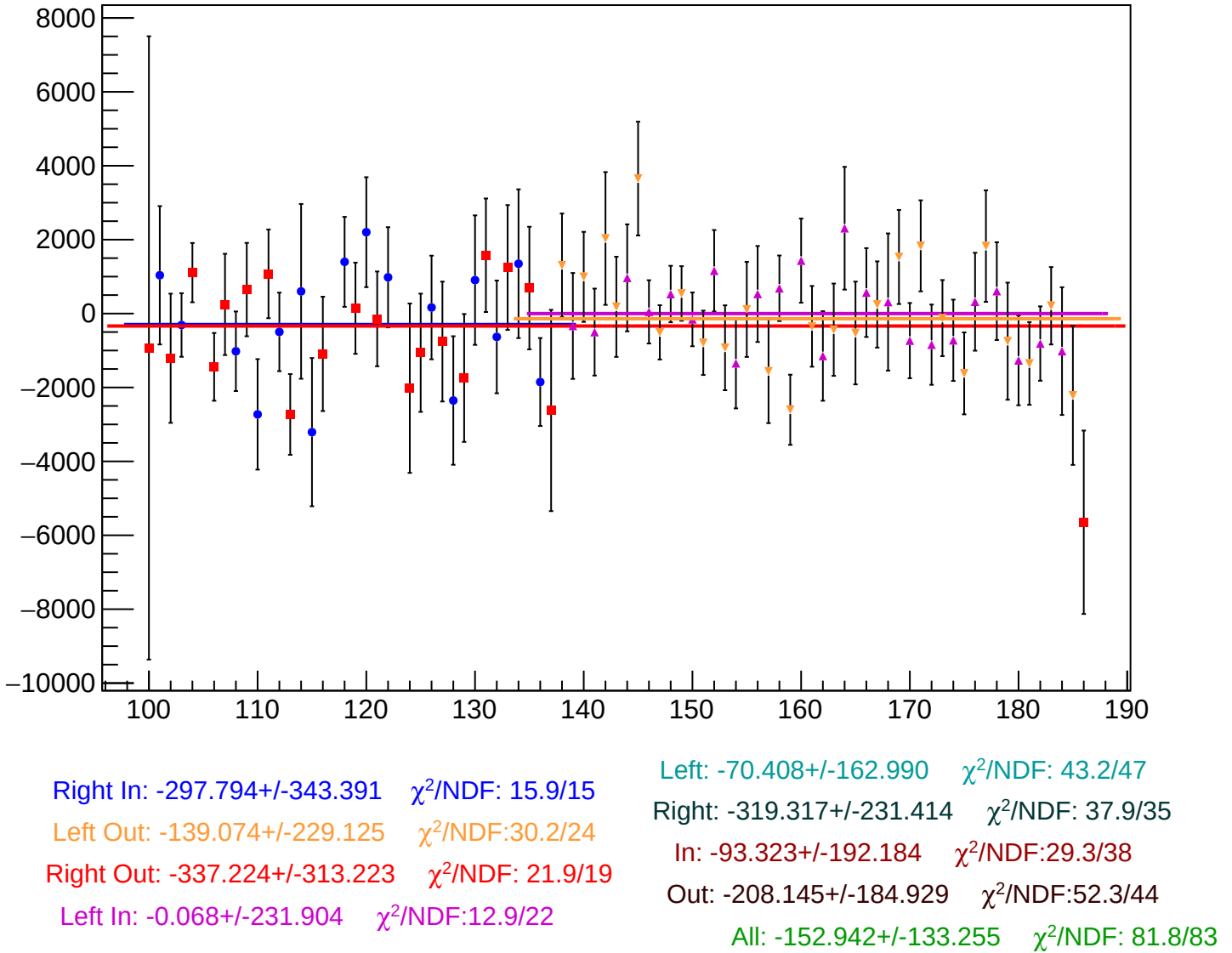
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1653.968+/-0.306 χ^2/NDF: 808253.0/35

In: 1625.087+/-0.229 χ^2/NDF:675404.0/38

Out: 1623.293+/-0.221 χ^2/NDF:149331.4/44

All: 1624.158+/-0.159 χ^2/NDF: 824767.2/83


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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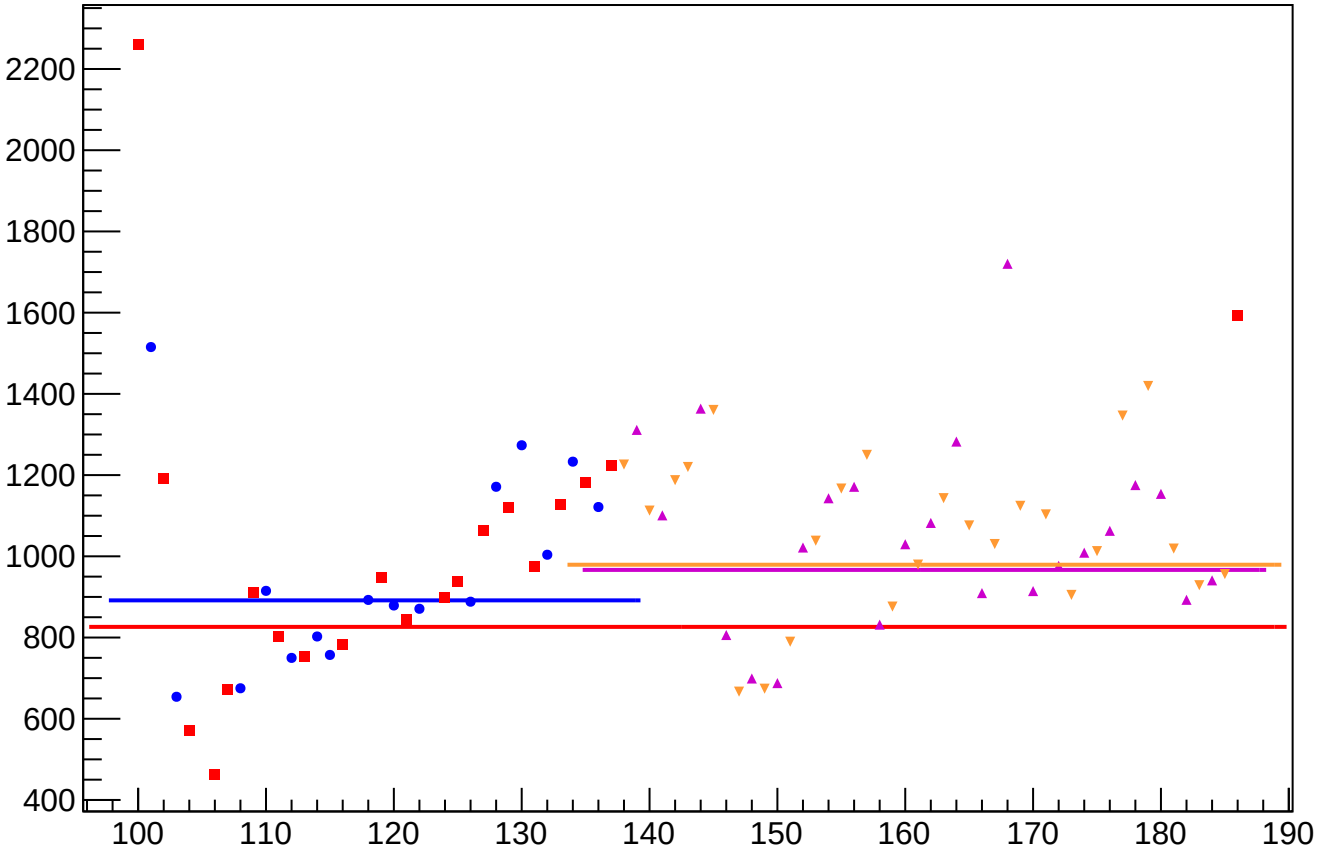
190
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -337.224+/-313.223 χ²/NDF: 21.9/19
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -319.317+/-231.414 χ²/NDF: 37.9/35
In: -93.323+/-192.184 χ²/NDF:29.3/38
Out: -208.145+/-184.929 χ²/NDF:52.3/44
All: -152.942+/-133.255 χ²/NDF: 81.8/83

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 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

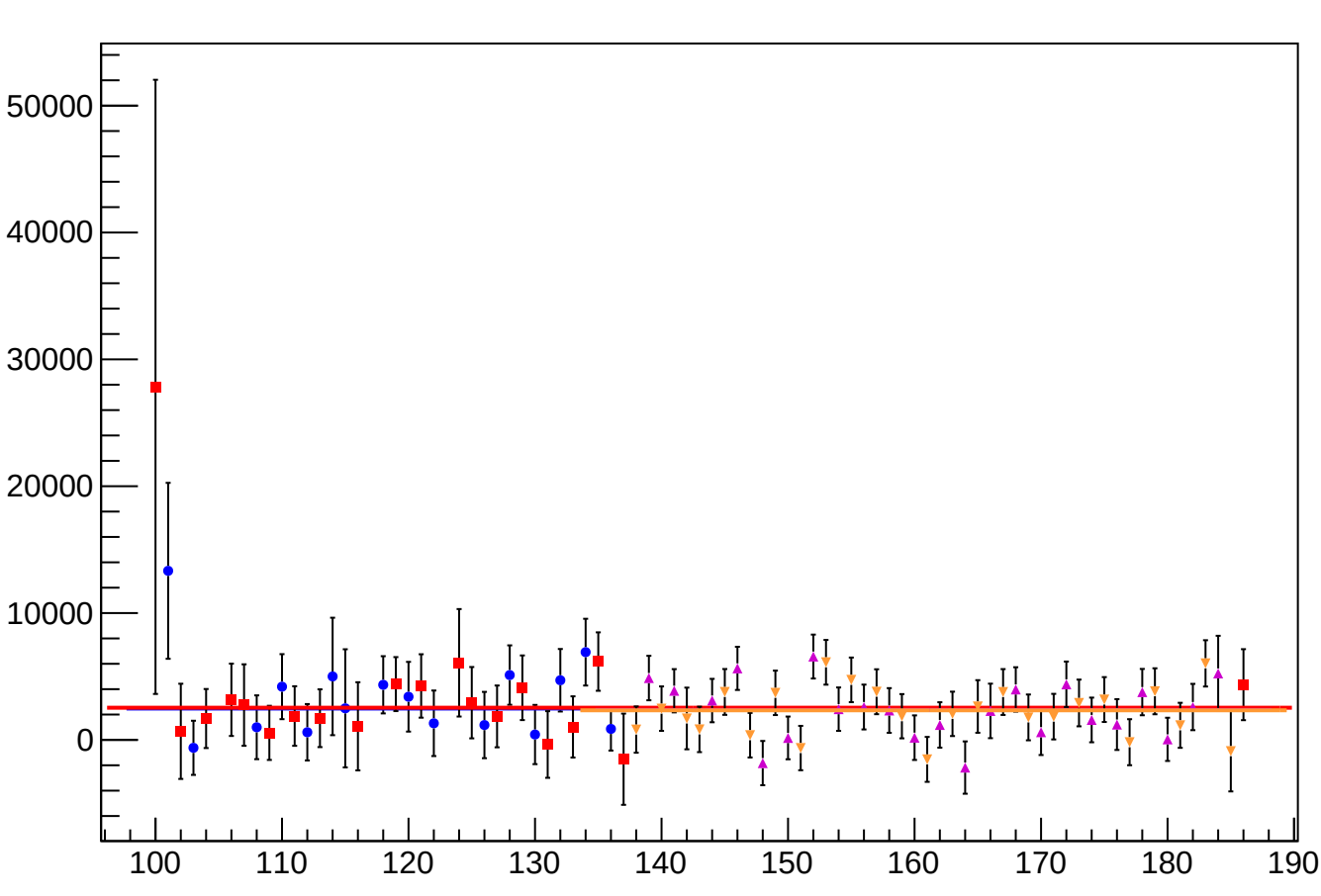
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 855.893+/-0.164 χ^2/NDF: 2080676.3/35

In: 943.040+/-0.136 χ^2/NDF:2461739.2/38

Out: 925.939+/-0.131 χ^2/NDF:3189341.3/44

All: 934.161+/-0.094 χ^2/NDF: 5659303.3/83



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

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

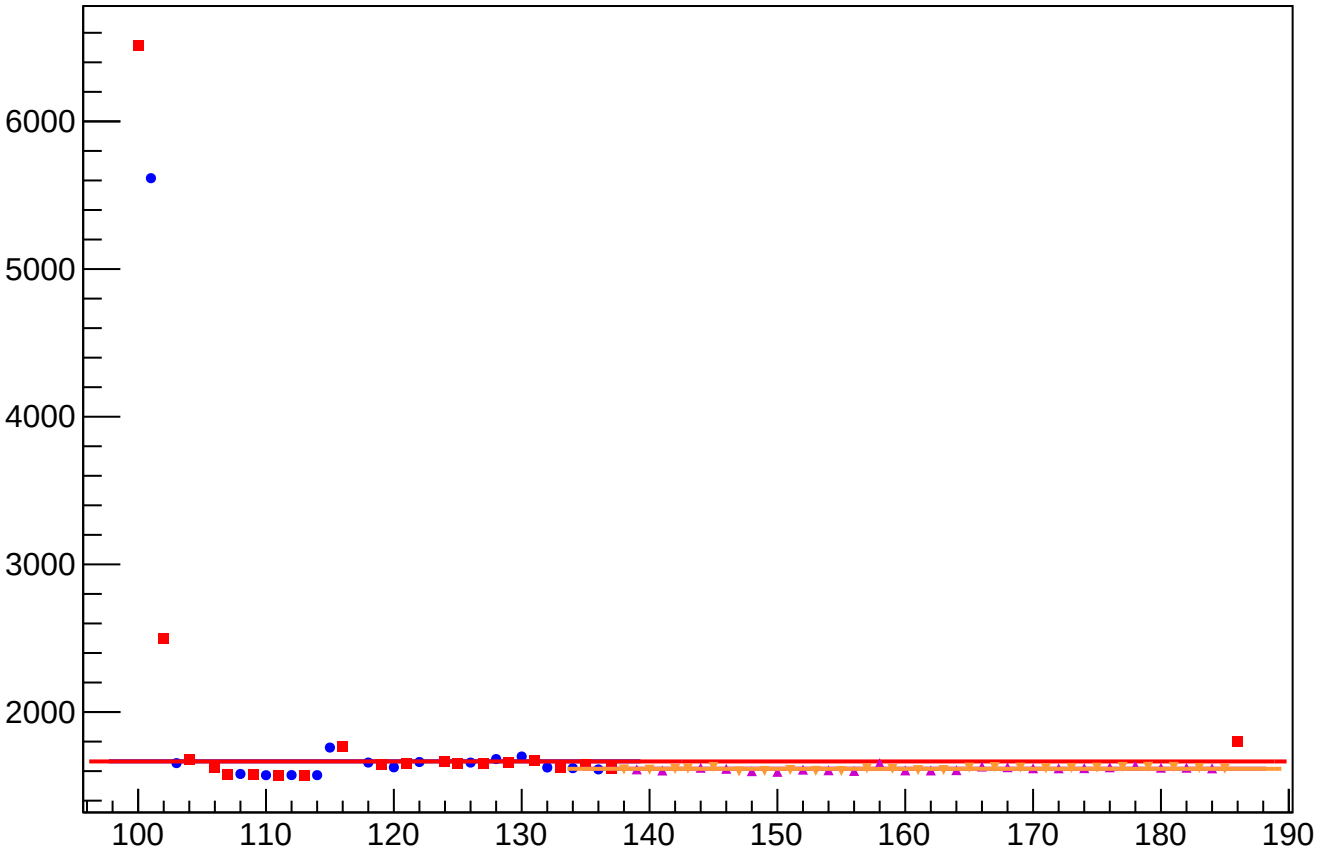
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2507.925+/-436.899 χ^2/NDF: 25.2/35

In: 2390.371+/-324.275 χ^2/NDF:48.2/38

Out: 2389.618+/-313.499 χ^2/NDF:39.3/44

All: 2389.982+/-225.391 χ^2/NDF: 87.6/83



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

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

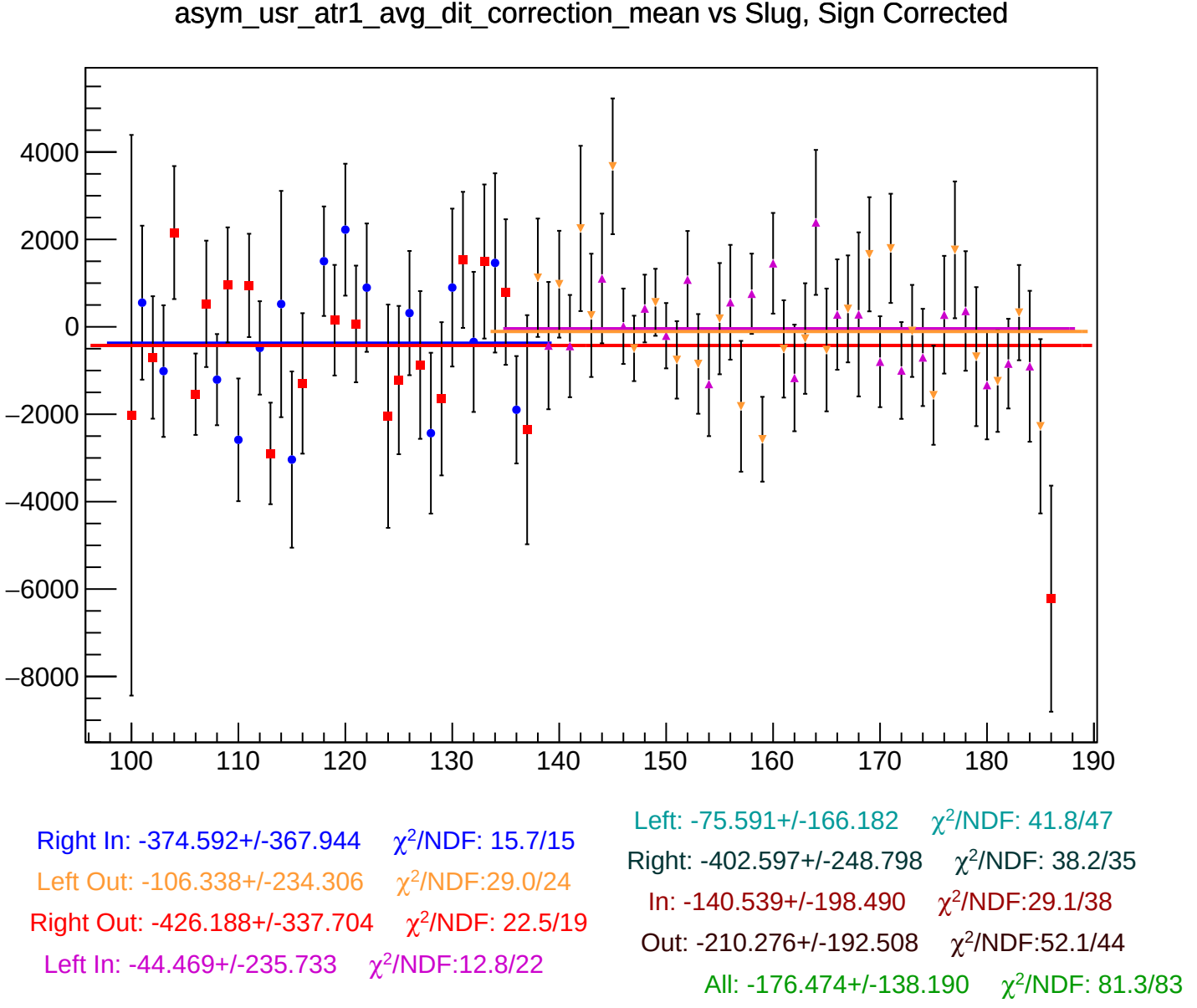
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1665.961+/-0.309 χ^2/NDF: 860999.0/35

In: 1629.457+/-0.229 χ^2/NDF:674674.1/38

Out: 1629.128+/-0.222 χ^2/NDF:209535.5/44

All: 1629.287+/-0.159 χ^2/NDF: 884210.7/83


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
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−4000
−6000
−8000
100
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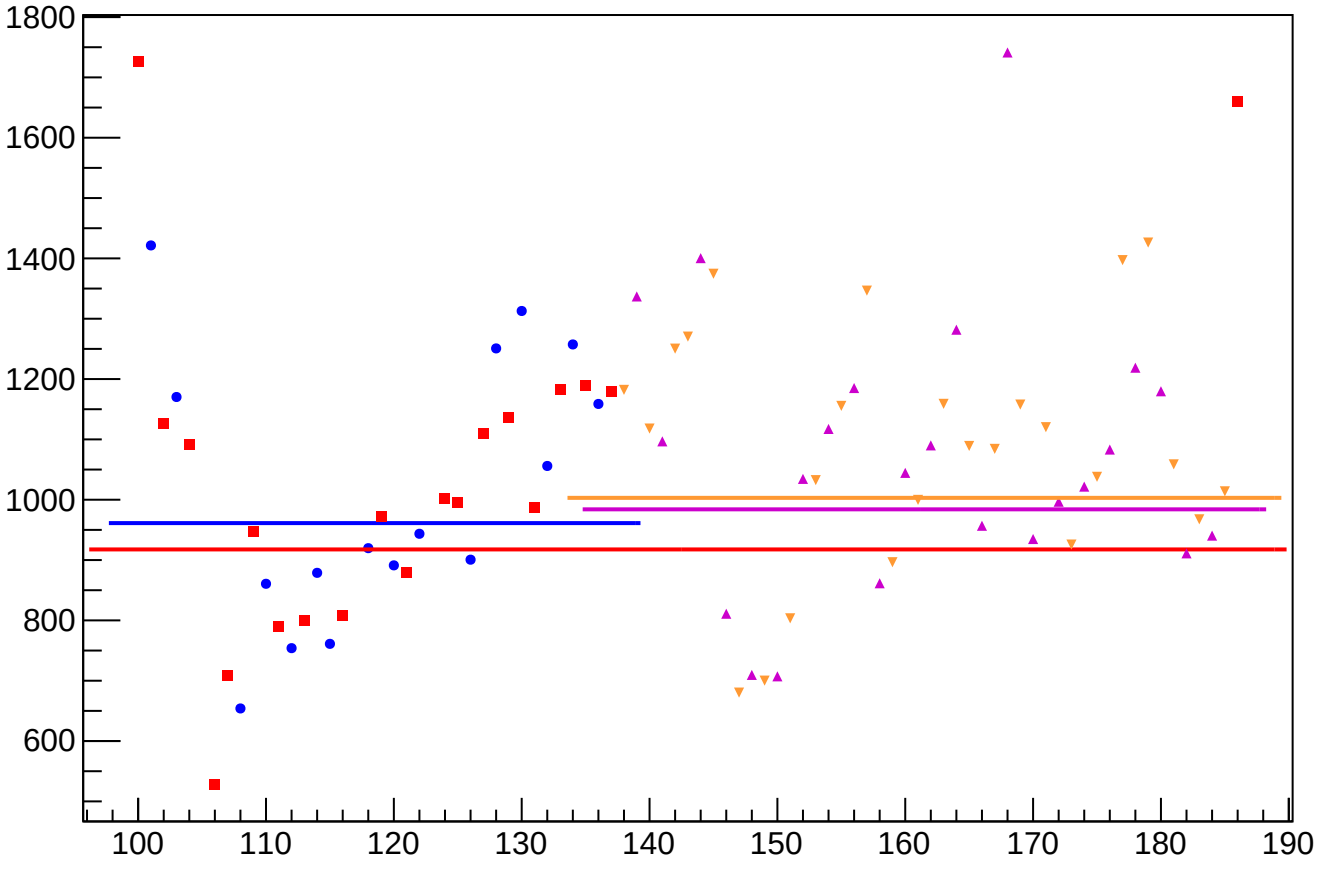
170
180
190
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: -426.188+/-337.704 χ²/NDF: 22.5/19
Left In: -44.469+/-235.733 χ²/NDF:12.8/22
Left: -75.591+/-166.182 χ²/NDF: 41.8/47
Right: -402.597+/-248.798 χ²/NDF: 38.2/35
In: -140.539+/-198.490 χ²/NDF:29.1/38
Out: -210.276+/-192.508 χ²/NDF:52.1/44
All: -176.474+/-138.190 χ²/NDF: 81.3/83



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

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

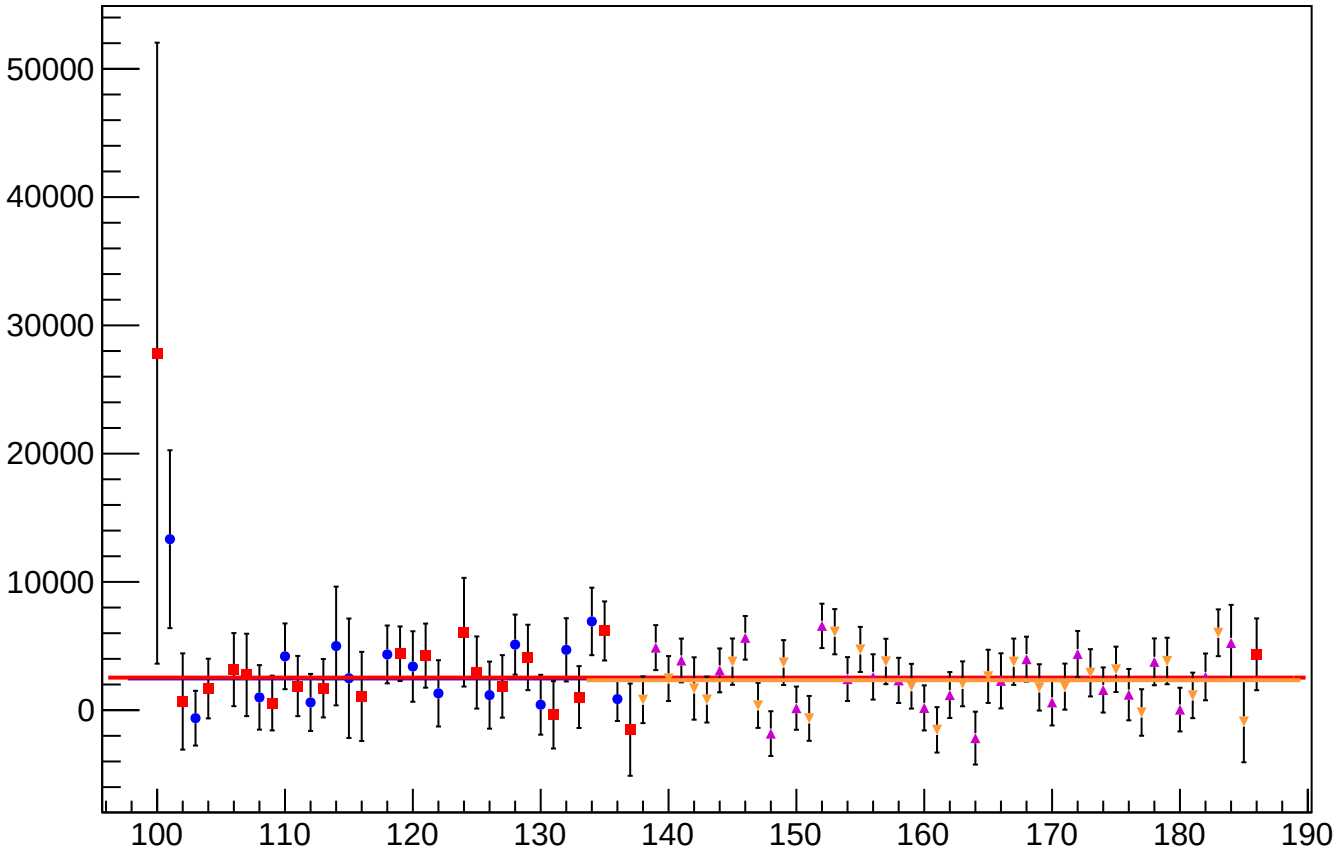
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 937.559+/-0.176 χ^2/NDF: 1611139.9/35

In: 977.415+/-0.140 χ^2/NDF:2256886.7/38

Out: 975.320+/-0.136 χ^2/NDF:2588938.6/44

All: 976.335+/-0.098 χ^2/NDF: 4845940.2/83



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

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

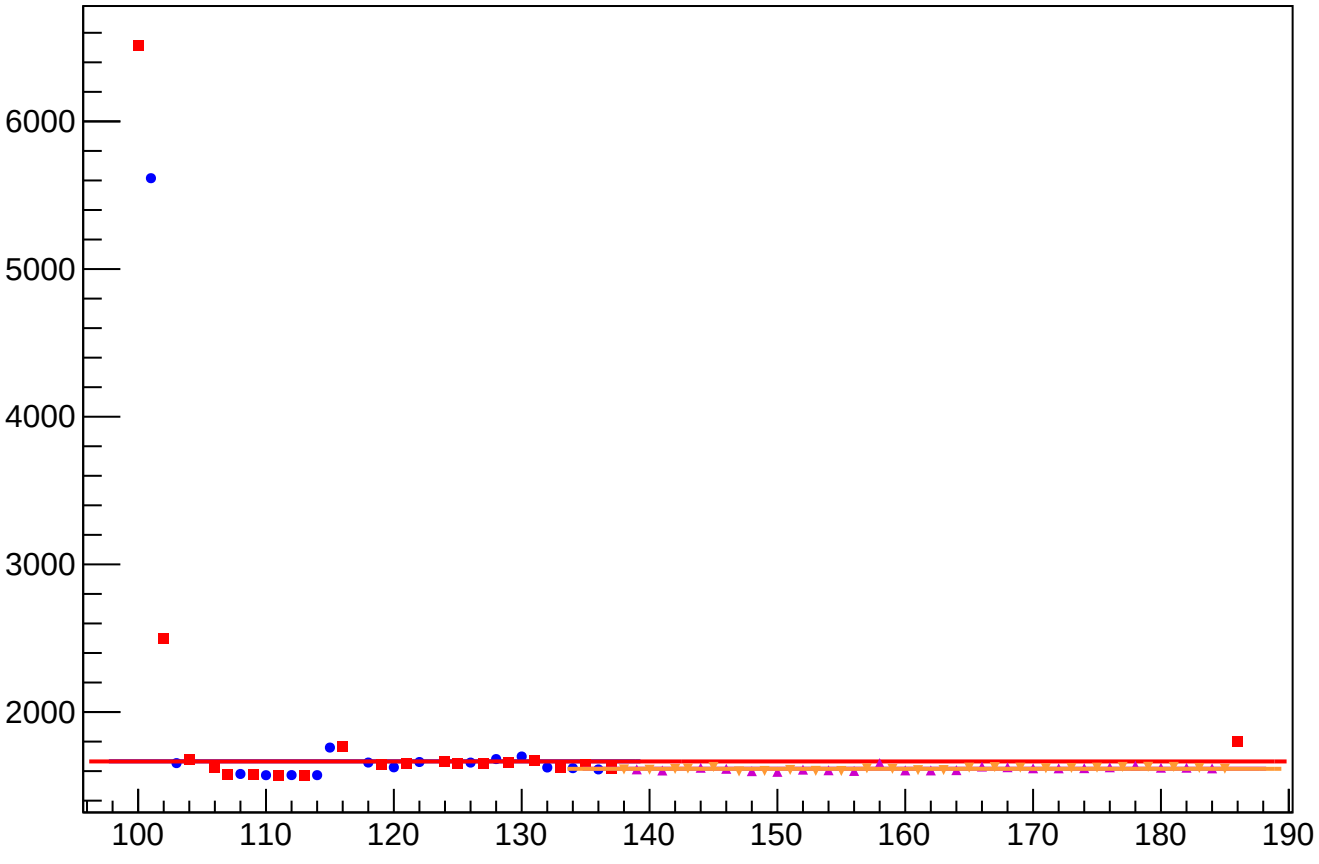
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2507.924+/-436.899 χ^2/NDF: 25.2/35

In: 2390.370+/-324.275 χ^2/NDF:48.2/38

Out: 2389.617+/-313.499 χ^2/NDF:39.3/44

All: 2389.981+/-225.391 χ^2/NDF: 87.6/83



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

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

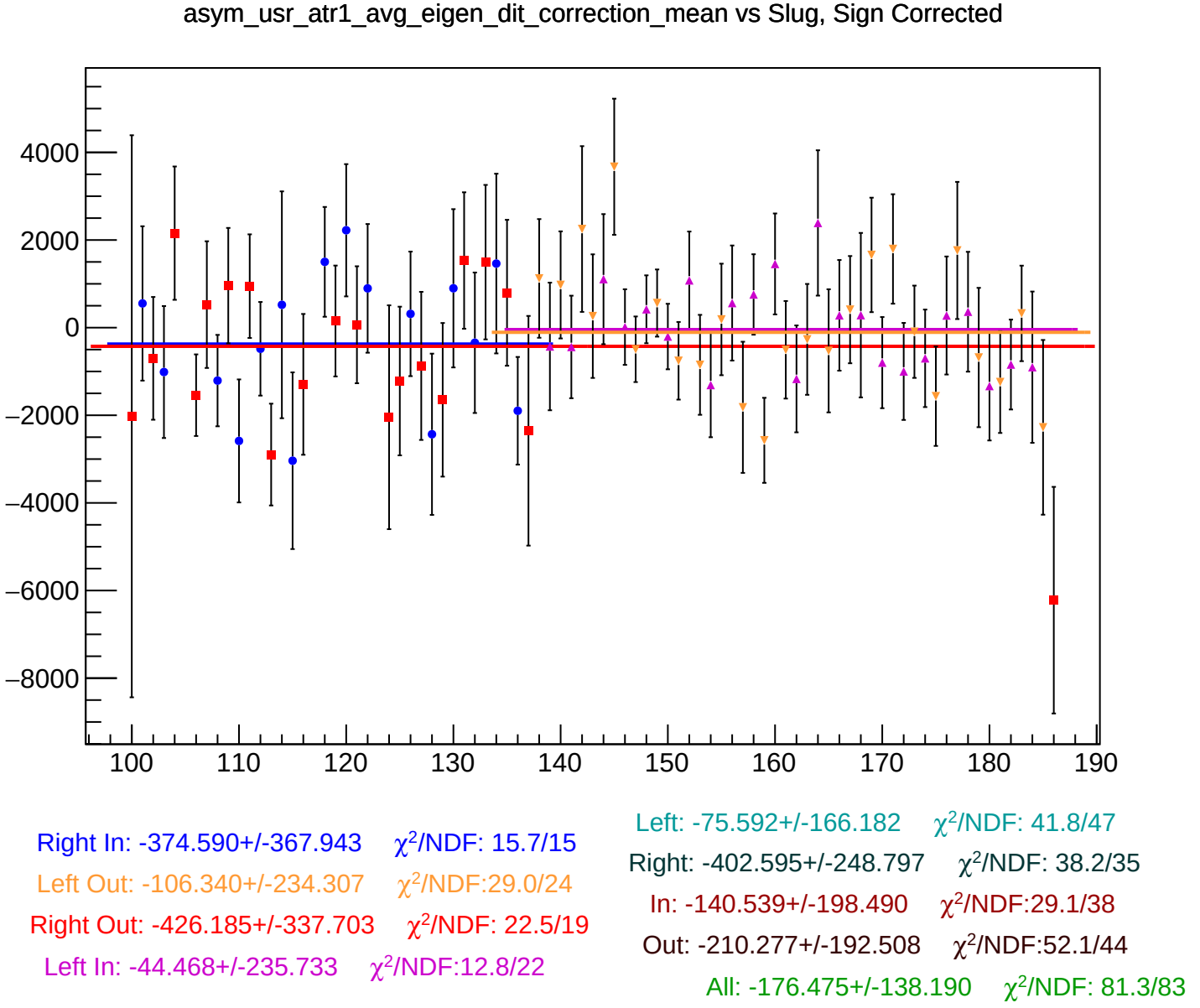
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1665.961+/-0.309 χ^2/NDF: 860998.9/35

In: 1629.457+/-0.229 χ^2/NDF:674674.1/38

Out: 1629.128+/-0.222 χ^2/NDF:209535.3/44

All: 1629.287+/-0.159 χ^2/NDF: 884210.5/83


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
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−6000
−8000
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110
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130
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170
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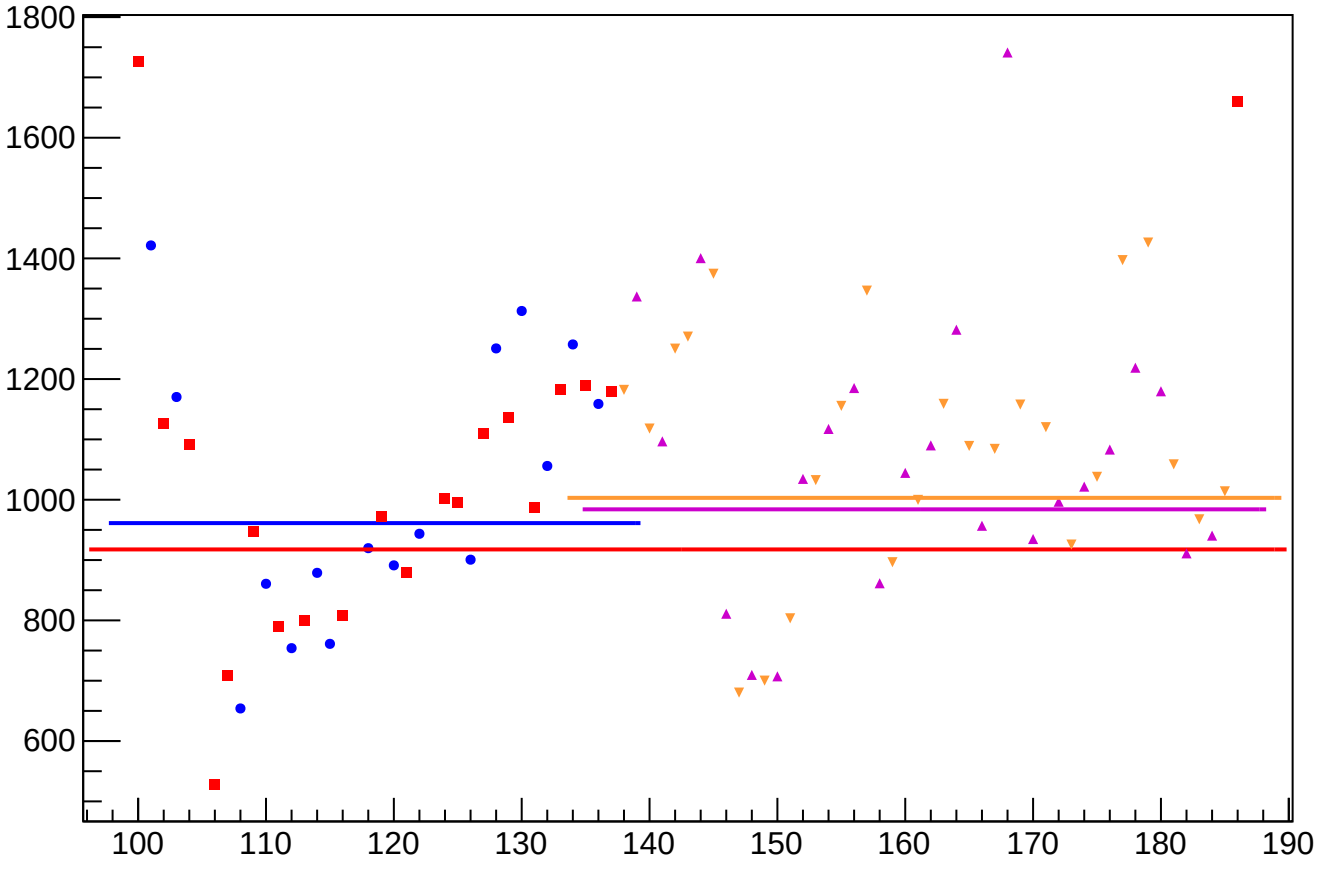
190
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: -106.340+/-234.307 χ²/NDF:29.0/24
Right Out: -426.185+/-337.703 χ²/NDF: 22.5/19
Left In: -44.468+/-235.733 χ²/NDF:12.8/22
Left: -75.592+/-166.182 χ²/NDF: 41.8/47
Right: -402.595+/-248.797 χ²/NDF: 38.2/35
In: -140.539+/-198.490 χ²/NDF:29.1/38
Out: -210.277+/-192.508 χ²/NDF:52.1/44
All: -176.475+/-138.190 χ²/NDF: 81.3/83



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

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

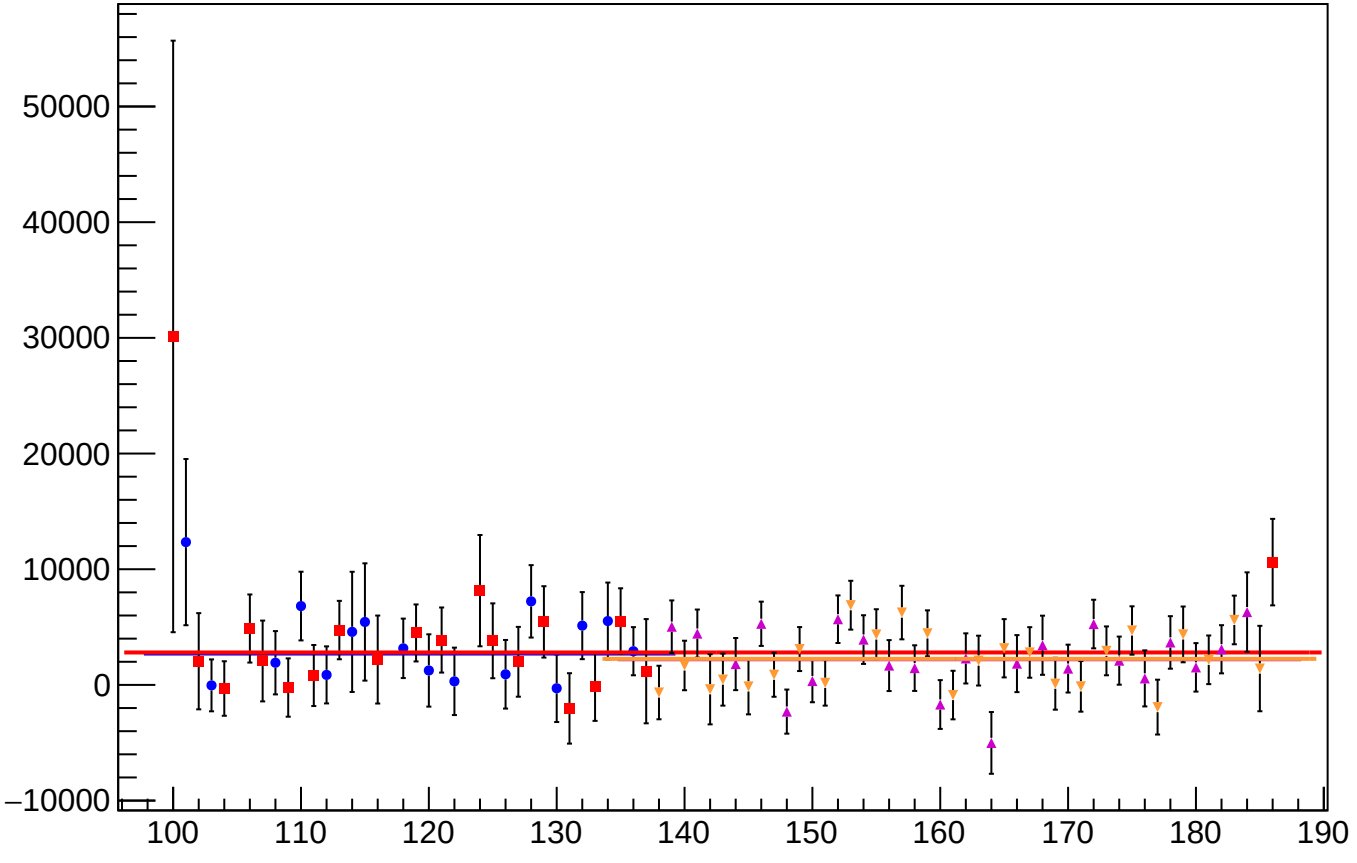
Right: 937.556+/-0.176 χ^2/NDF: 1611147.1/35

In: 977.415+/-0.140 χ^2/NDF:2256899.7/38

Out: 975.320+/-0.136 χ^2/NDF:2588950.5/44

All: 976.336+/-0.098 χ^2/NDF: 4845965.0/83

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

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

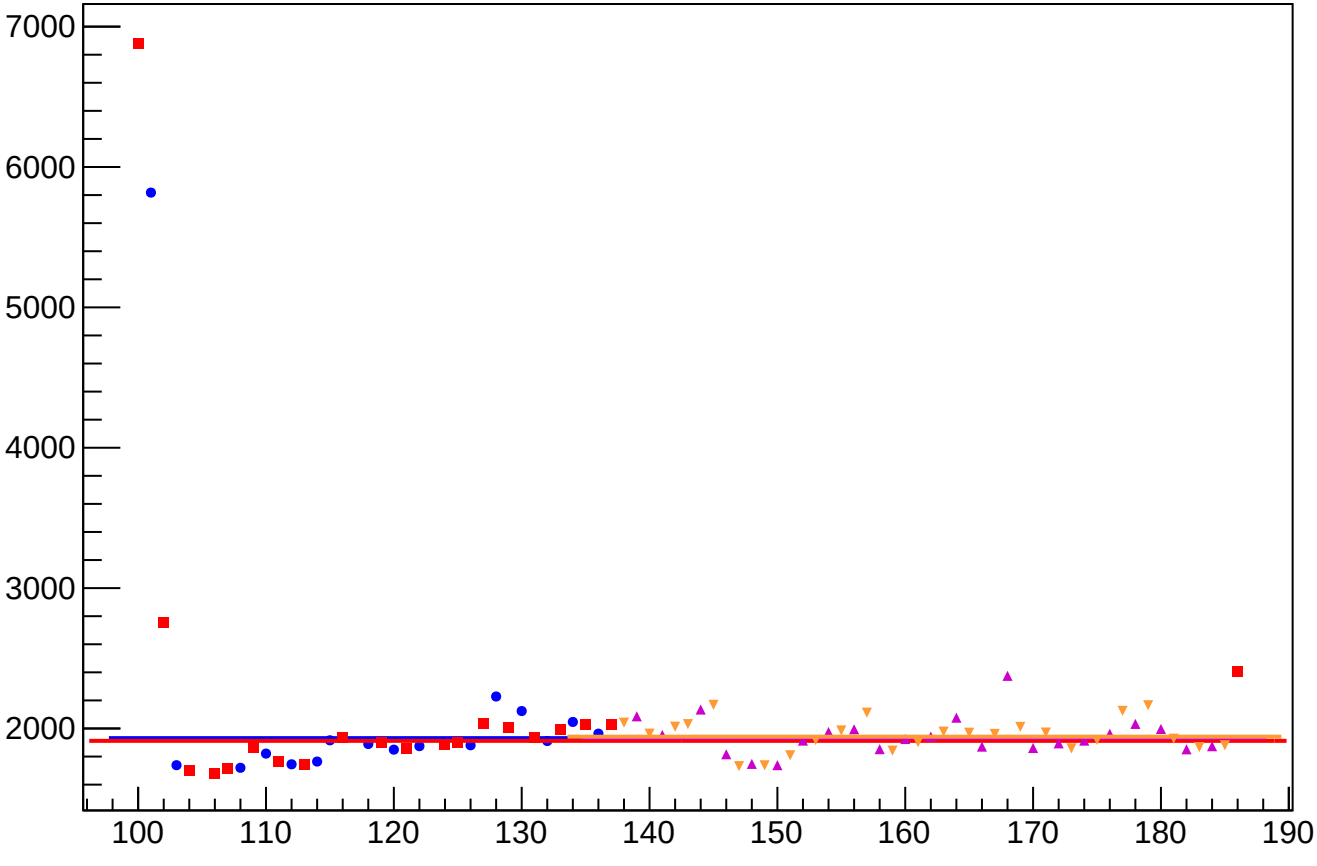
Right: 2760.550+/-504.696 χ^2/NDF: 29.9/35

In: 2354.508+/-385.211 χ^2/NDF:44.0/38

Out: 2411.729+/-372.963 χ^2/NDF:46.5/44

All: 2384.042+/-267.950 χ^2/NDF: 90.5/83

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

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

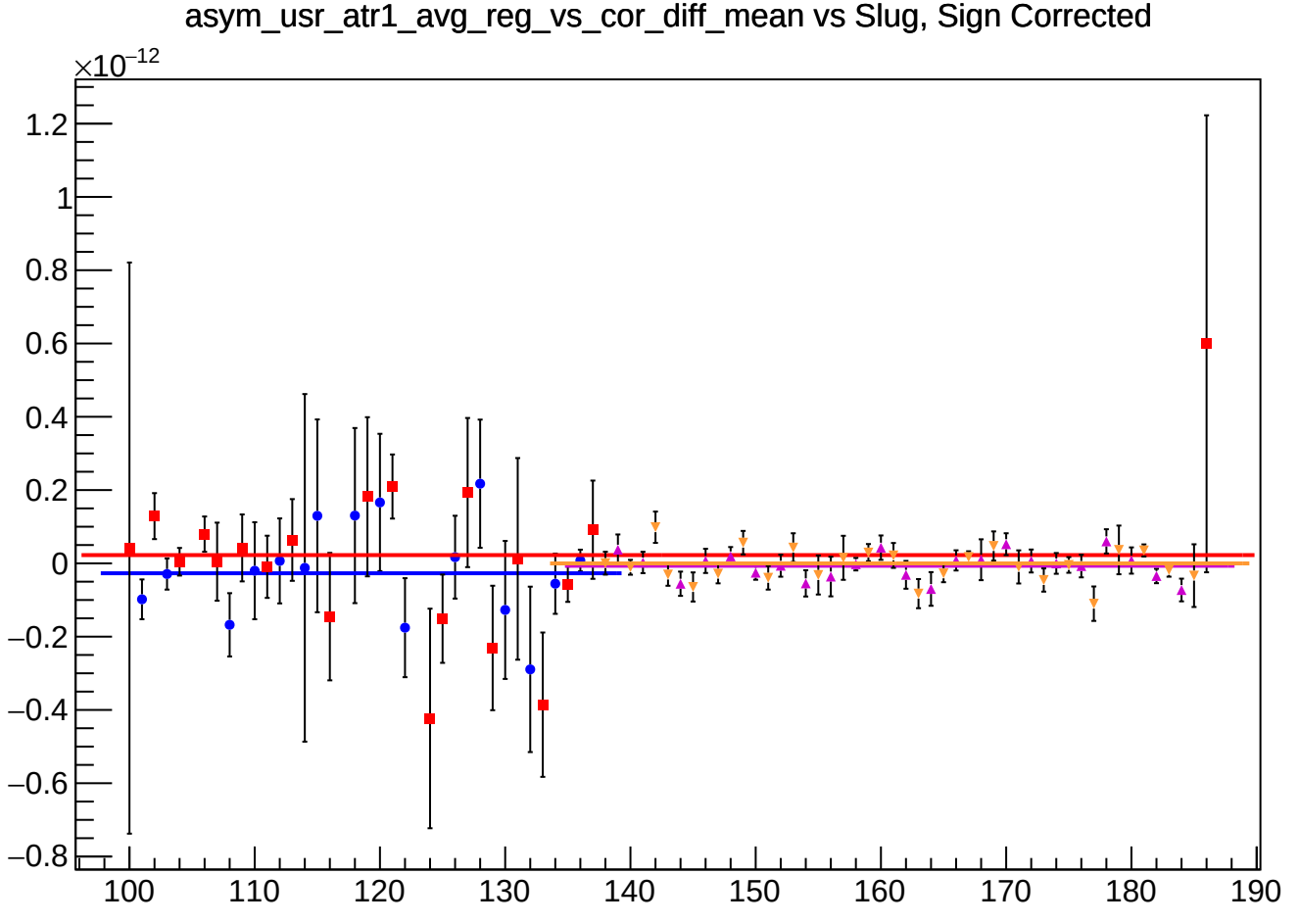
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 1921.041+/-0.357 χ^2/NDF: 918462.4/35

In: 1931.658+/-0.272 χ^2/NDF:821104.9/38

Out: 1933.025+/-0.264 χ^2/NDF:398111.7/44

All: 1932.364+/-0.189 χ^2/NDF: 1219229.5/83


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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0.8
0.6
0.4
0.2
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−0.2
−0.4
−0.6
−0.8
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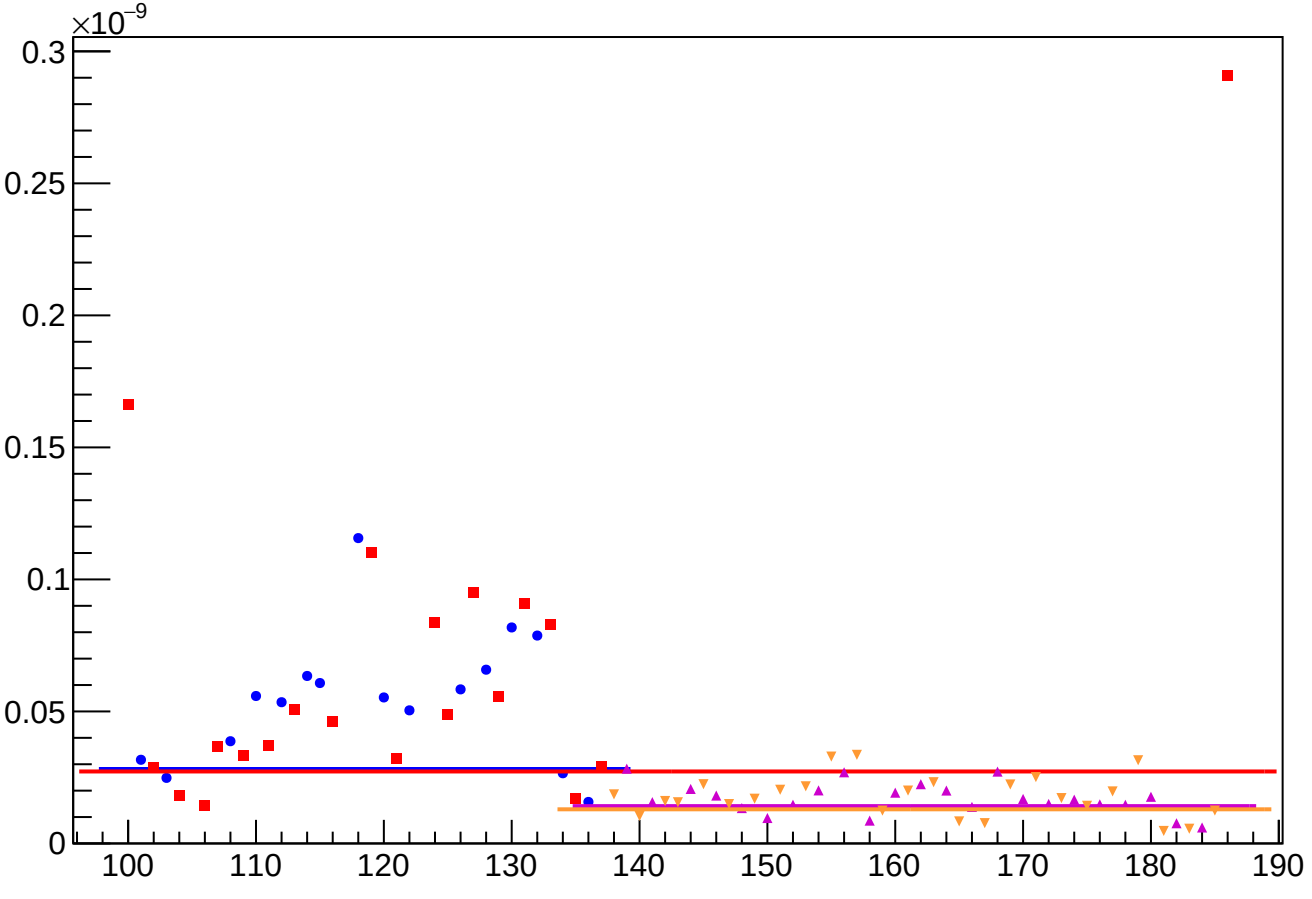
Right In: -0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:40.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.3/19
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 68.4/47
Right: -0.000+/-0.000 χ²/NDF: 42.3/35
In: -0.000+/-0.000 χ²/NDF:41.3/38
Out: 0.000+/-0.000 χ²/NDF:67.9/44
All: -0.000+/-0.000 χ²/NDF: 110.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

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

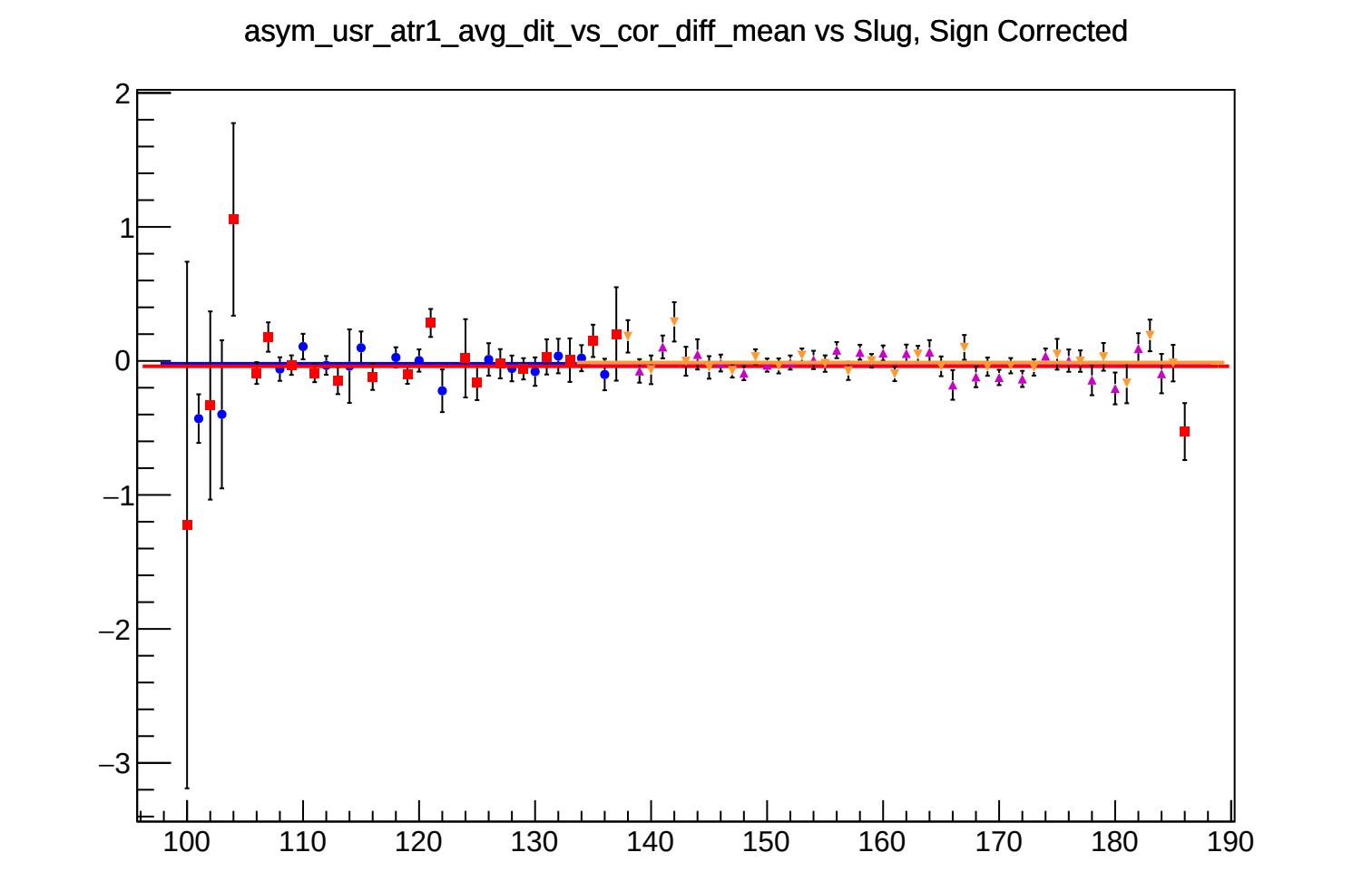
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

Right: 0.000+/-0.000 χ^2/NDF: 3406293.6/35

In: 0.000+/-0.000 χ^2/NDF:3989850.3/38

Out: 0.000+/-0.000 χ^2/NDF:5749215.8/44

All: 0.000+/-0.000 χ^2/NDF: 9798426.8/83



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

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

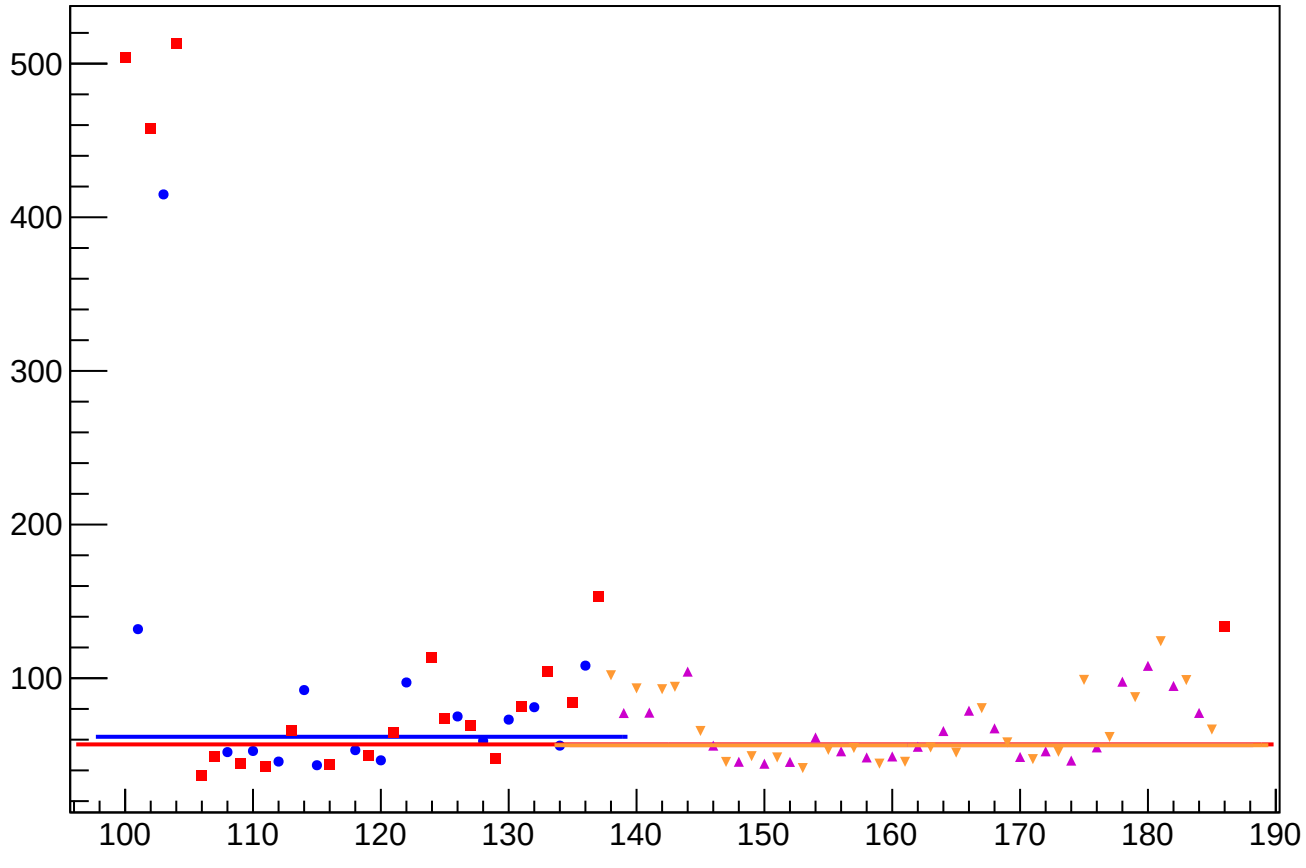
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.018 χ^2/NDF: 42.0/35

In: -0.018+/-0.013 χ^2/NDF:42.6/38

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.1/83



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 56.917+/-0.017 χ^2/NDF: 2857121.1/19

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

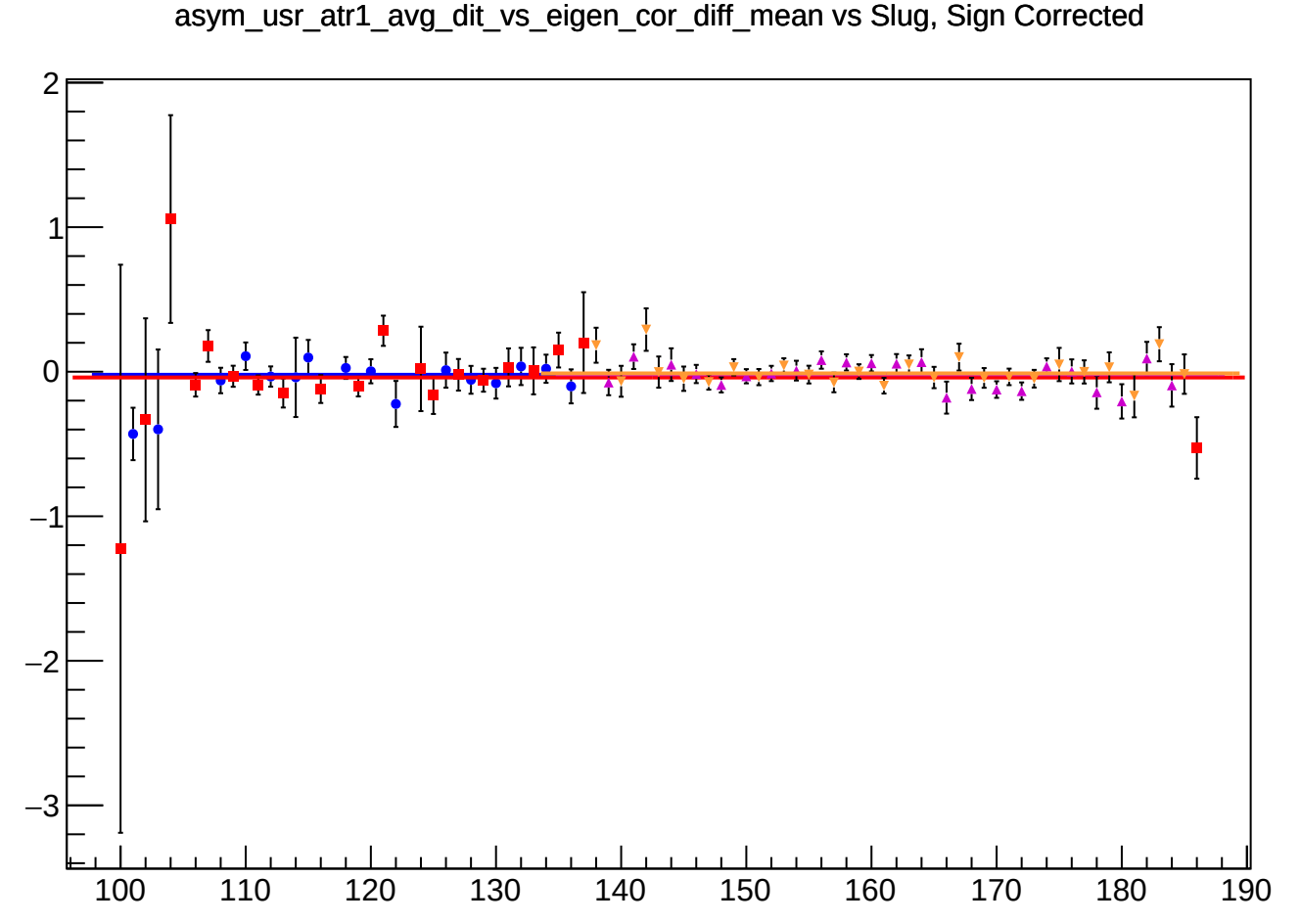
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 59.189+/-0.013 χ^2/NDF: 4832864.3/35

In: 57.707+/-0.009 χ^2/NDF:4141976.1/38

Out: 56.513+/-0.009 χ^2/NDF:5655162.1/44

All: 57.092+/-0.006 χ^2/NDF: 9806224.1/83



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

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

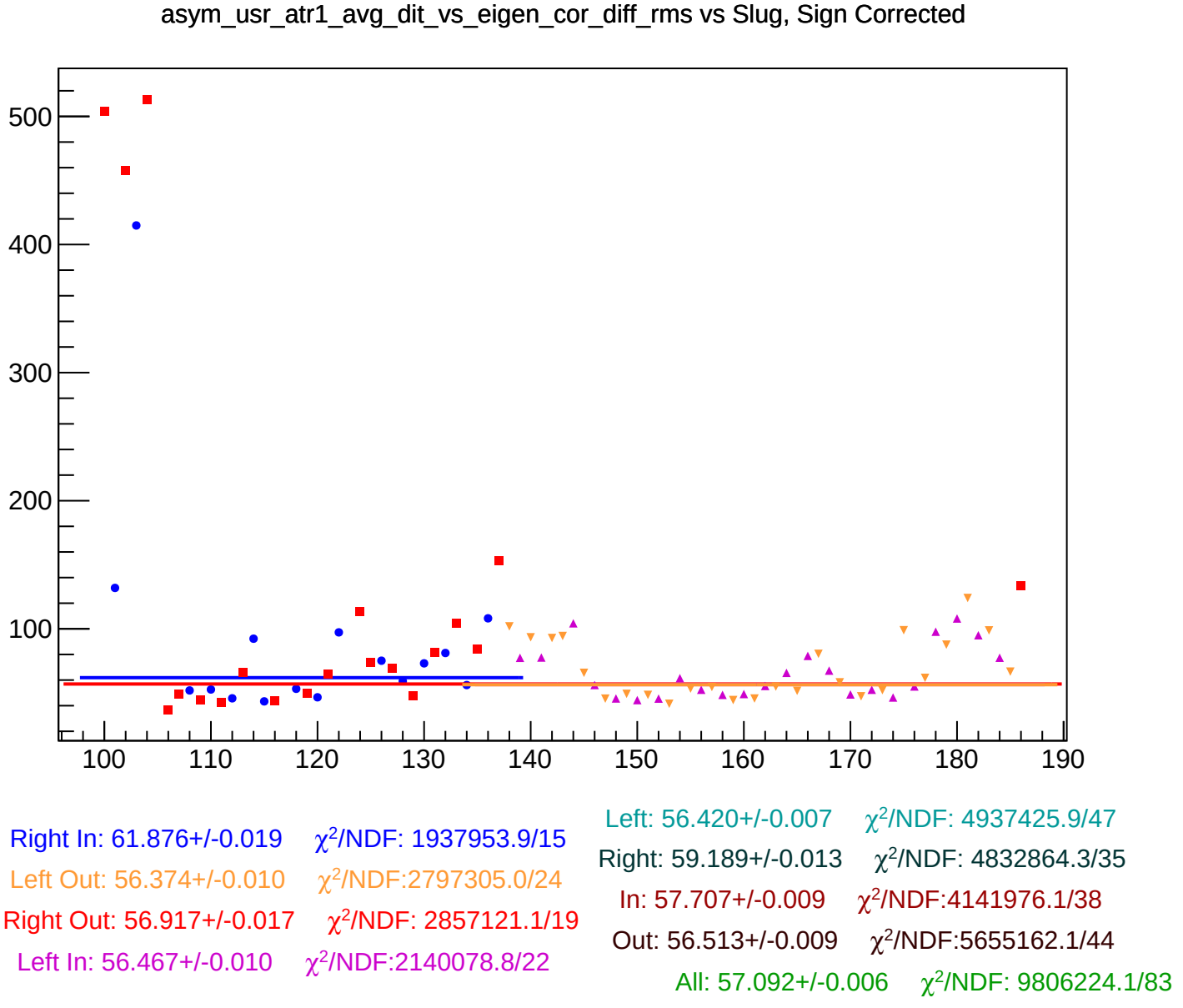
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

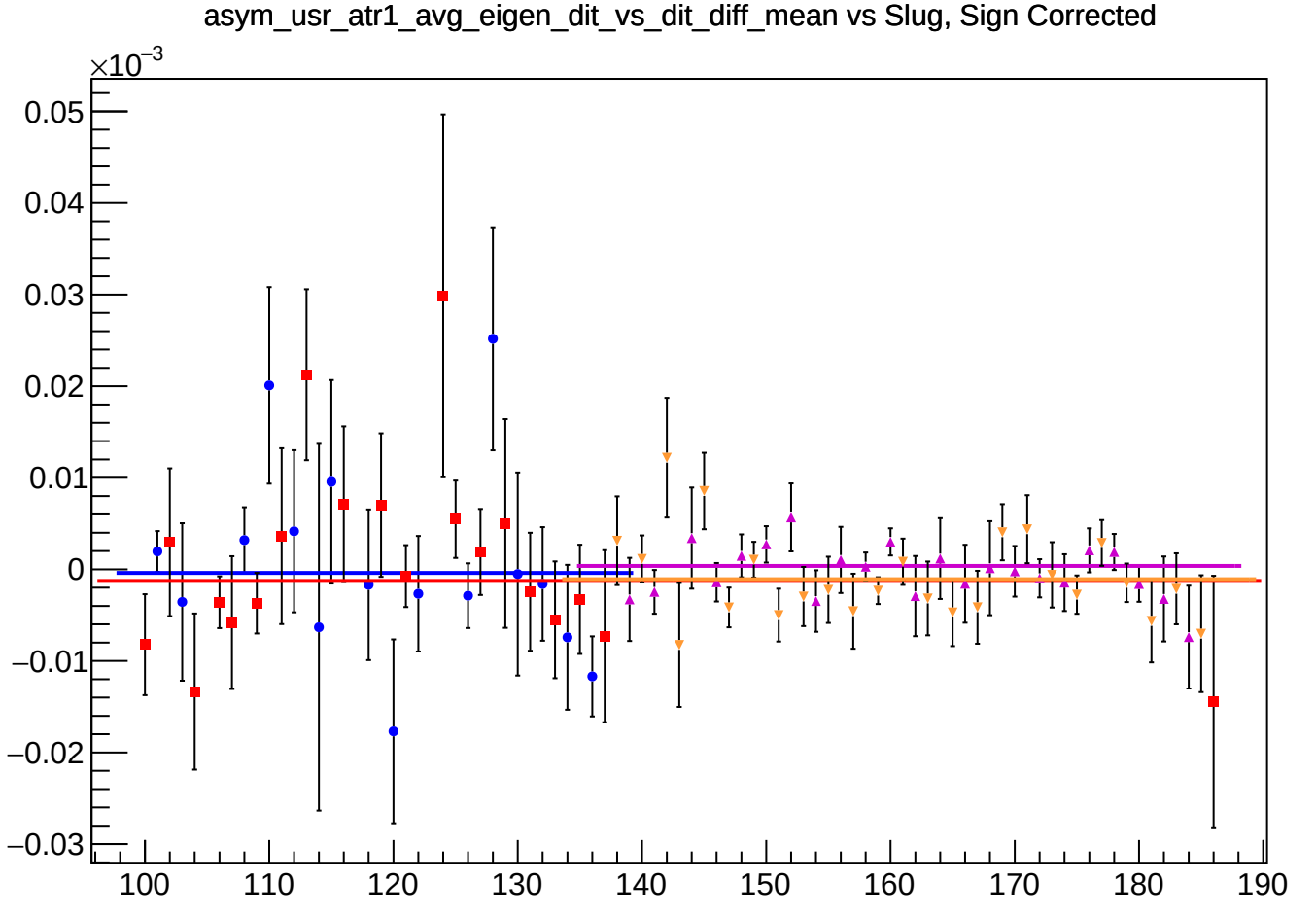
Right: -0.031+/-0.018 χ^2/NDF: 42.0/35

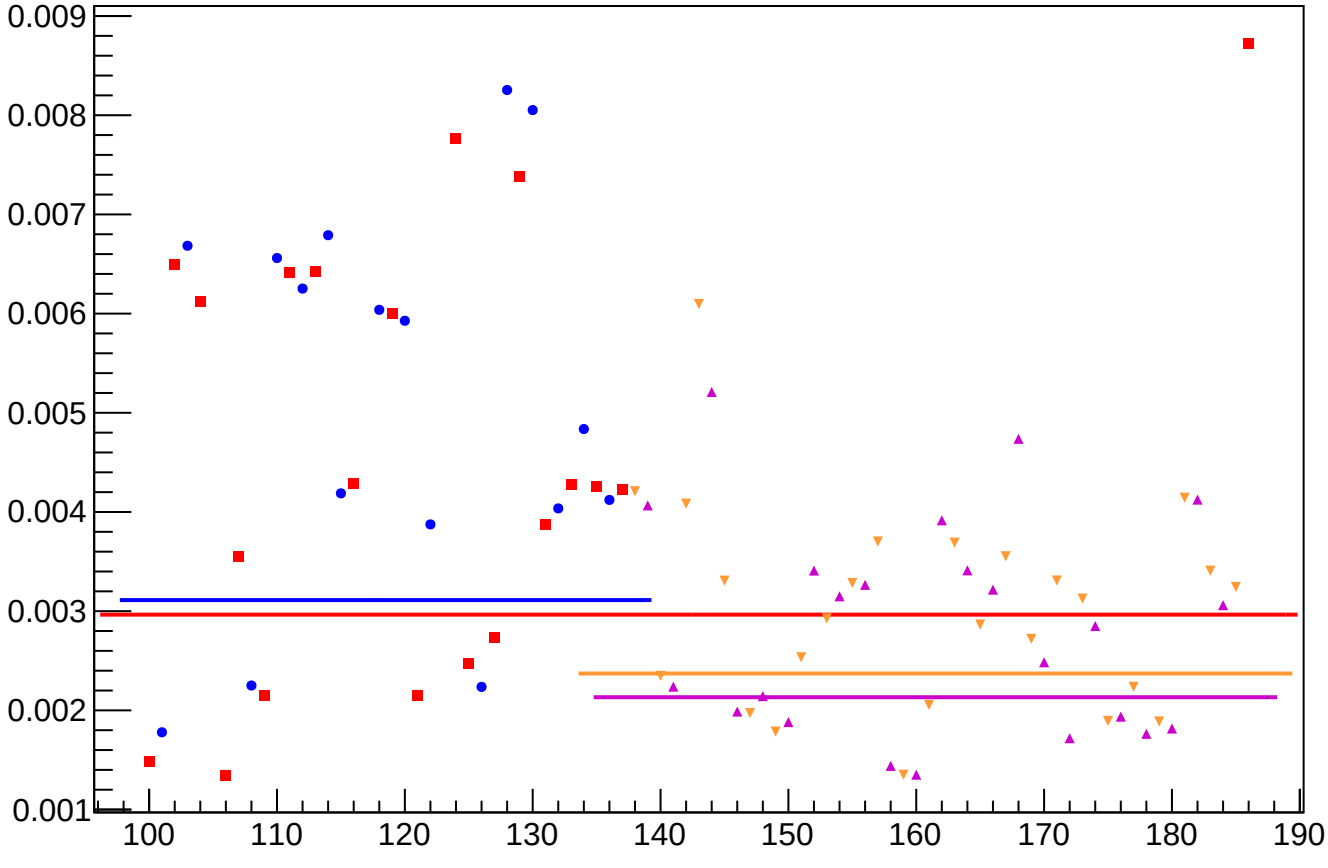
In: -0.018+/-0.013 χ^2/NDF:42.6/38

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.1/83


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 61.876+/-0.019 χ²/NDF: 1937953.9/15
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: 59.189+/-0.013 χ²/NDF: 4832864.3/35
In: 57.707+/-0.009 χ²/NDF:4141976.1/38
Out: 56.513+/-0.009 χ²/NDF:5655162.1/44
All: 57.092+/-0.006 χ²/NDF: 9806224.1/83


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/19
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: -0.000+/-0.000 χ²/NDF: 52.4/47
Right: -0.000+/-0.000 χ²/NDF: 44.2/35
In: 0.000+/-0.000 χ²/NDF:40.3/38
Out: -0.000+/-0.000 χ²/NDF:52.9/44
All: -0.000+/-0.000 χ²/NDF: 96.9/83



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

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

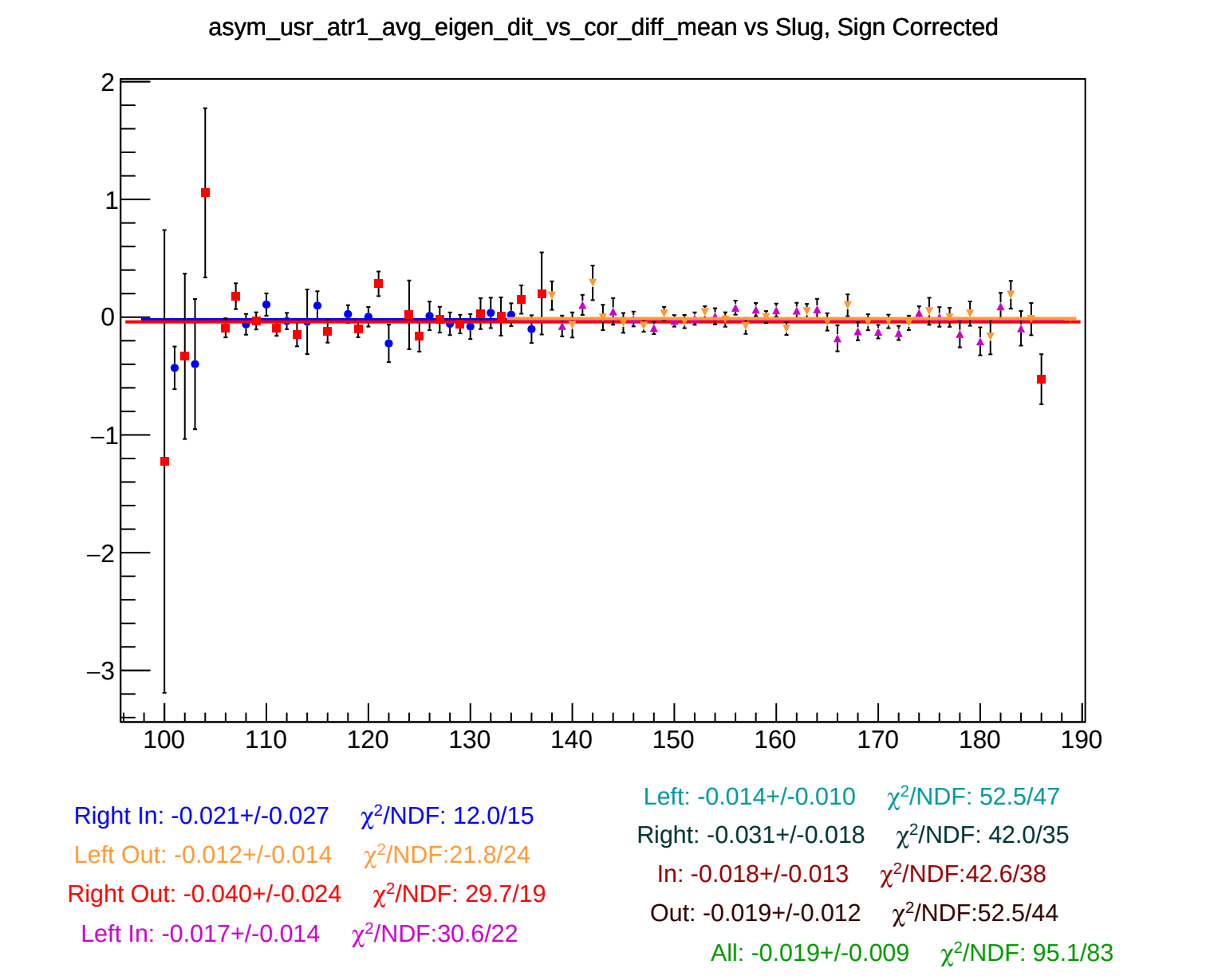
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

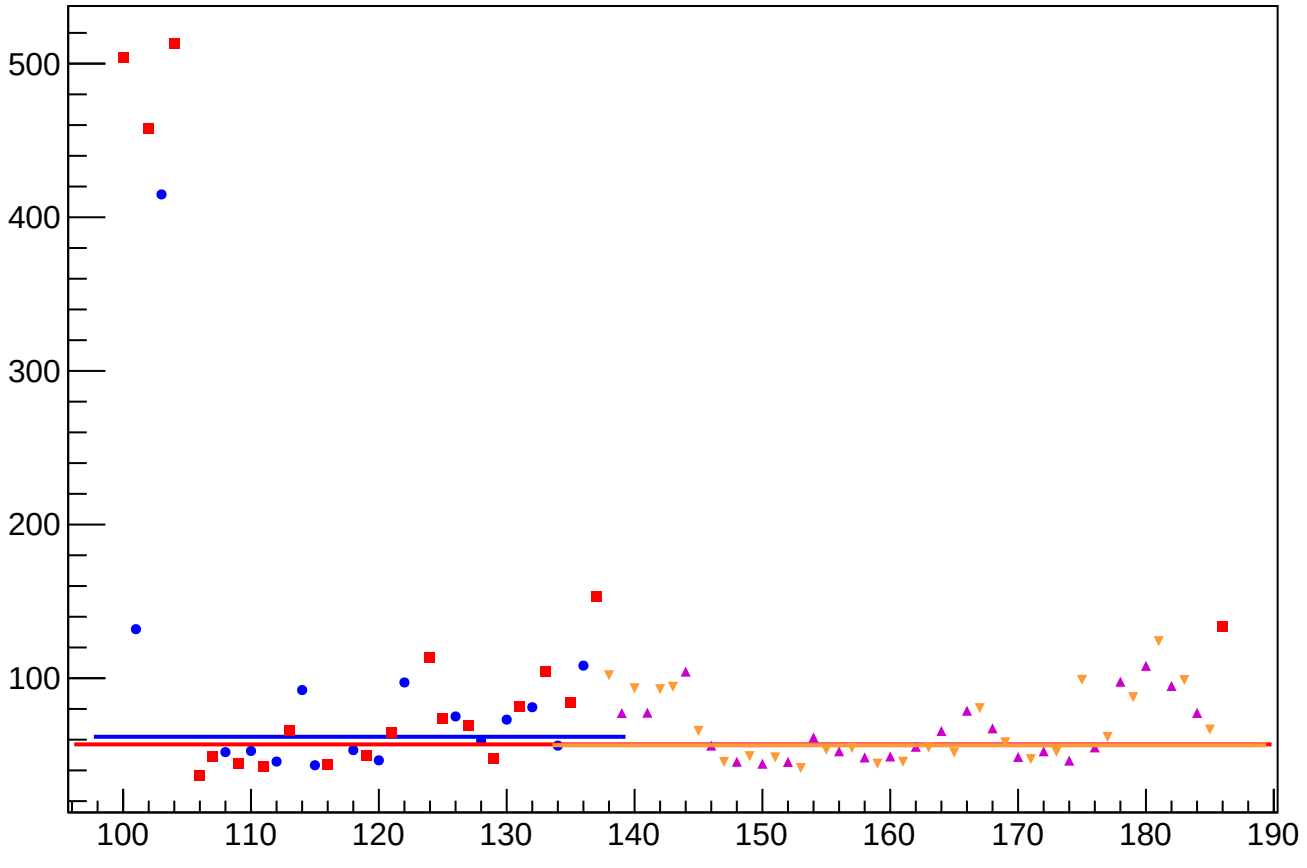
Right: 0.003+/-0.000 χ^2/NDF: 6946632.8/35

In: 0.002+/-0.000 χ^2/NDF:8735547.1/38

Out: 0.002+/-0.000 χ^2/NDF:8182774.2/44

All: 0.002+/-0.000 χ^2/NDF: 17082473.2/83


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.040+/-0.024 χ²/NDF: 29.7/19
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.031+/-0.018 χ²/NDF: 42.0/35
In: -0.018+/-0.013 χ²/NDF:42.6/38
Out: -0.019+/-0.012 χ²/NDF:52.5/44
All: -0.019+/-0.009 χ²/NDF: 95.1/83



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

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

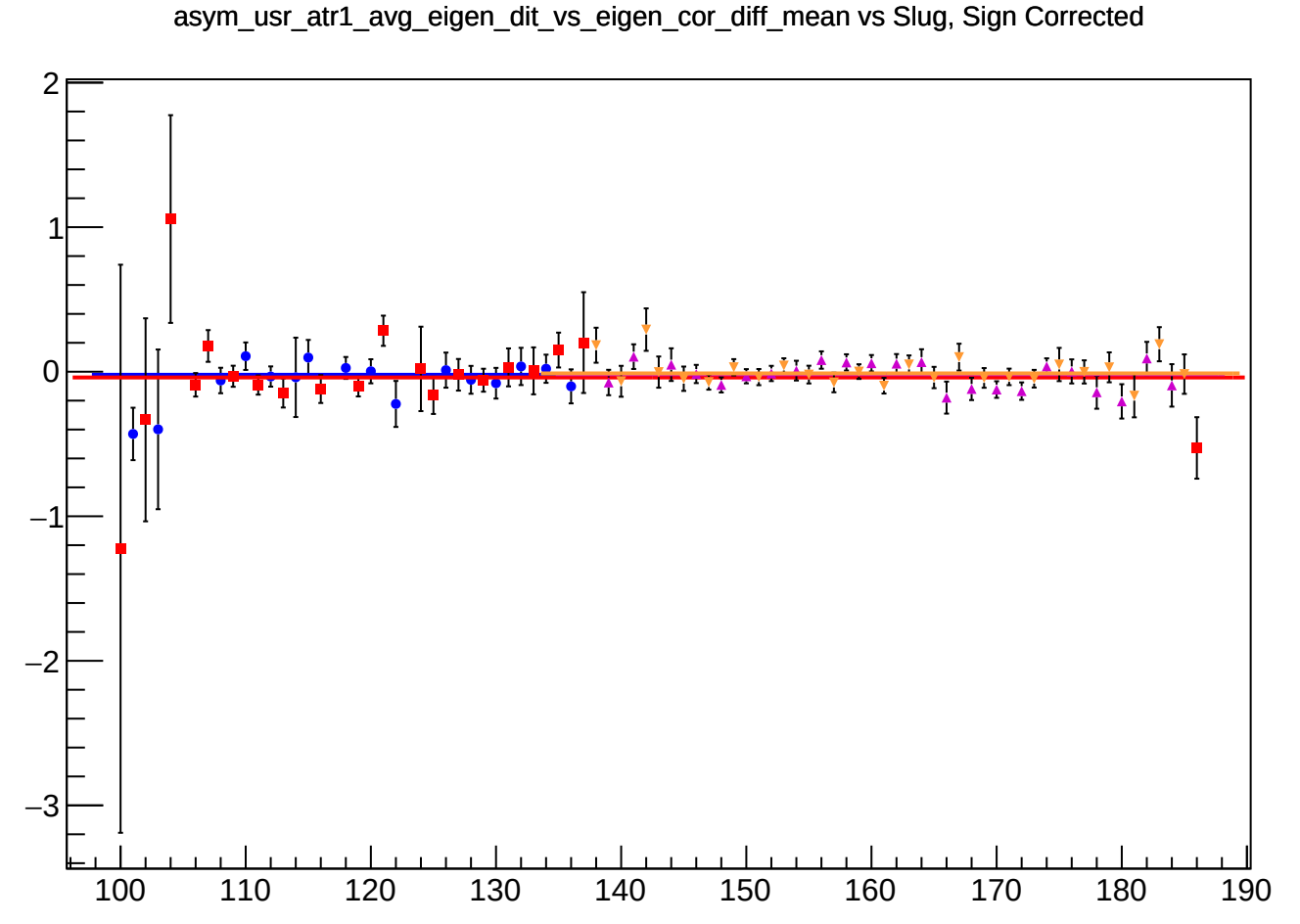
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 59.188+/-0.013 χ^2/NDF: 4832794.6/35

In: 57.707+/-0.009 χ^2/NDF:4141893.4/38

Out: 56.512+/-0.009 χ^2/NDF:5655210.8/44

All: 57.092+/-0.006 χ^2/NDF: 9806190.6/83



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

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

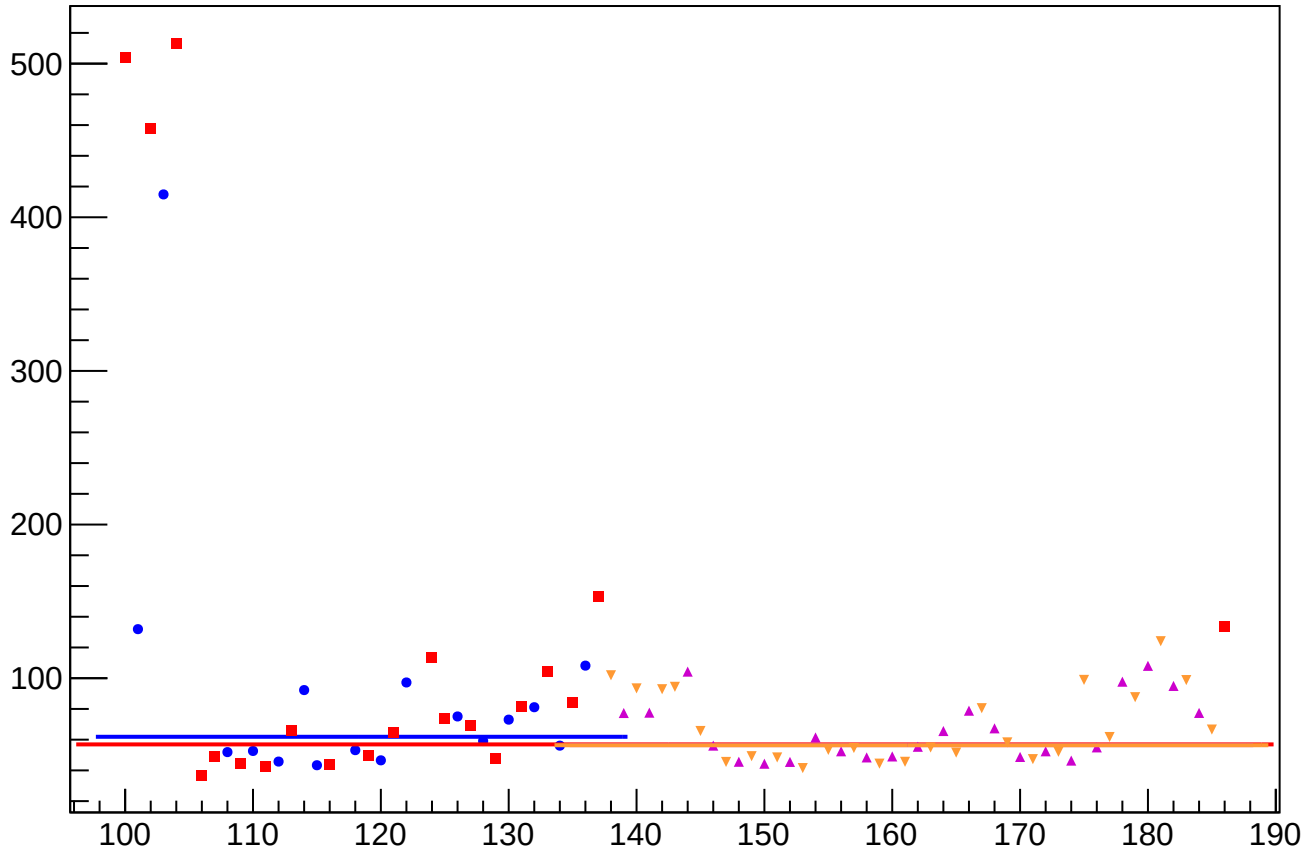
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.031+/-0.018 χ^2/NDF: 42.0/35

In: -0.018+/-0.013 χ^2/NDF:42.6/38

Out: -0.019+/-0.012 χ^2/NDF:52.5/44

All: -0.019+/-0.009 χ^2/NDF: 95.1/83



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

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

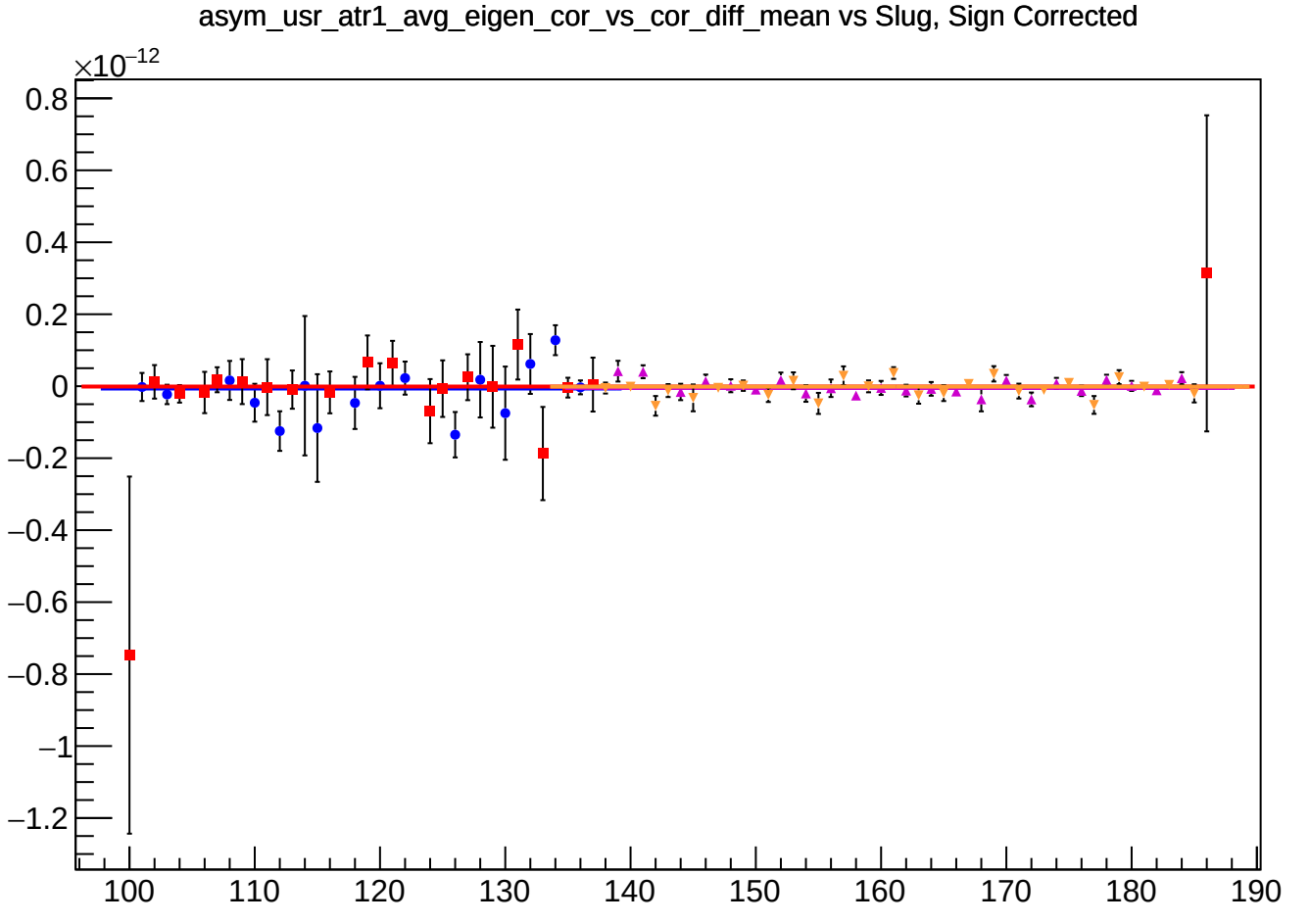
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

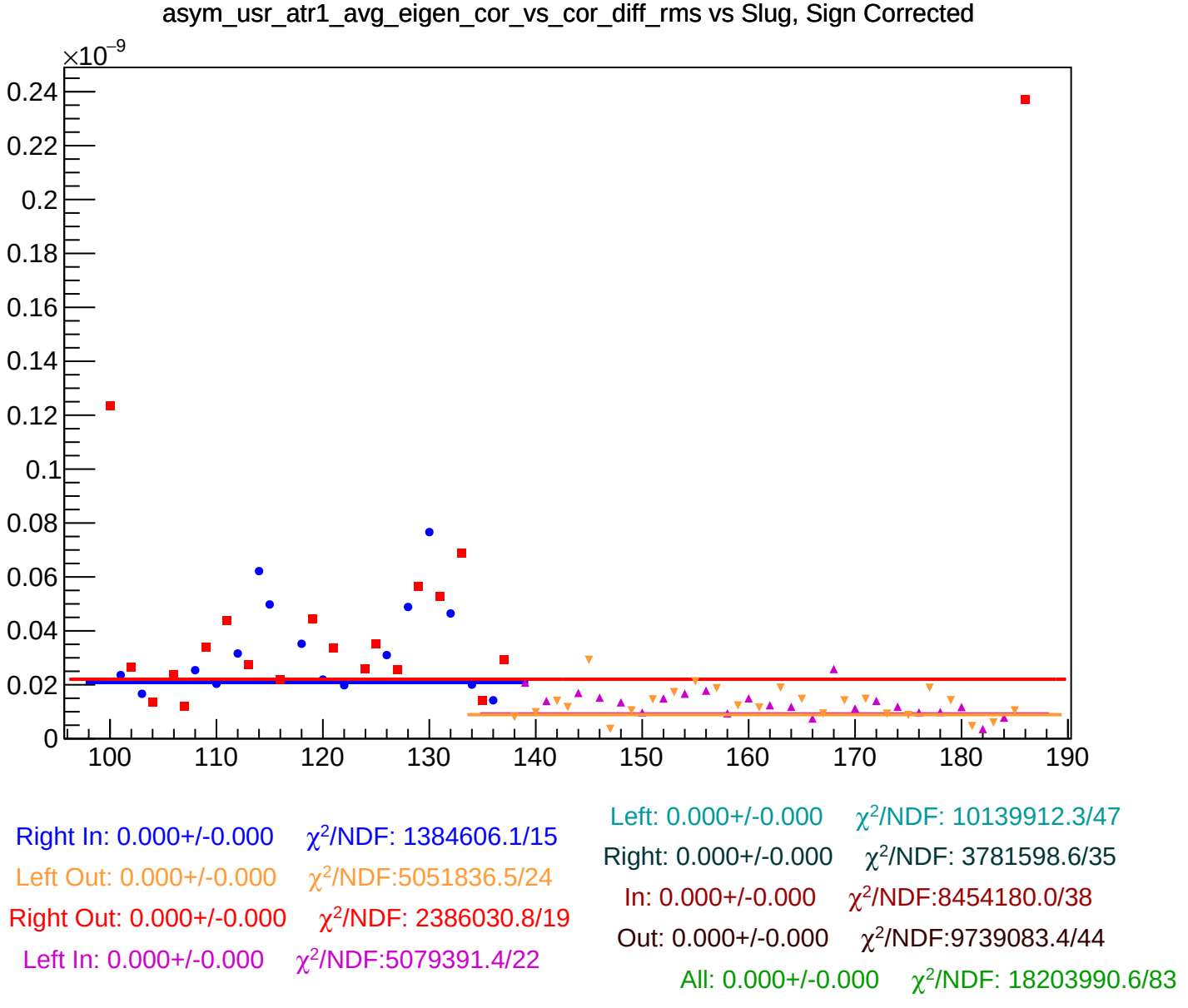
Right: 59.188+/-0.013 χ^2/NDF: 4832794.6/35

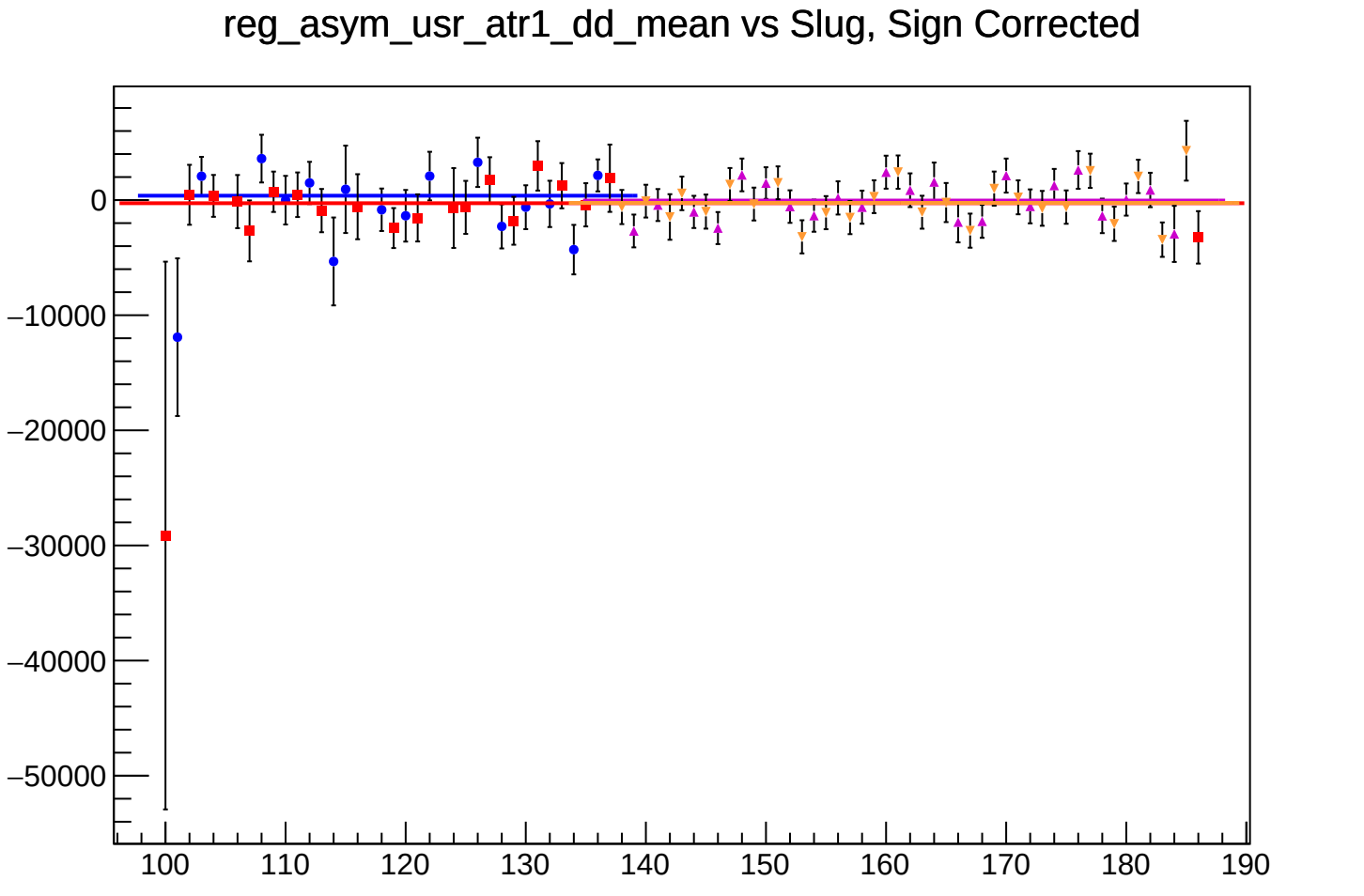
In: 57.707+/-0.009 χ^2/NDF:4141893.4/38

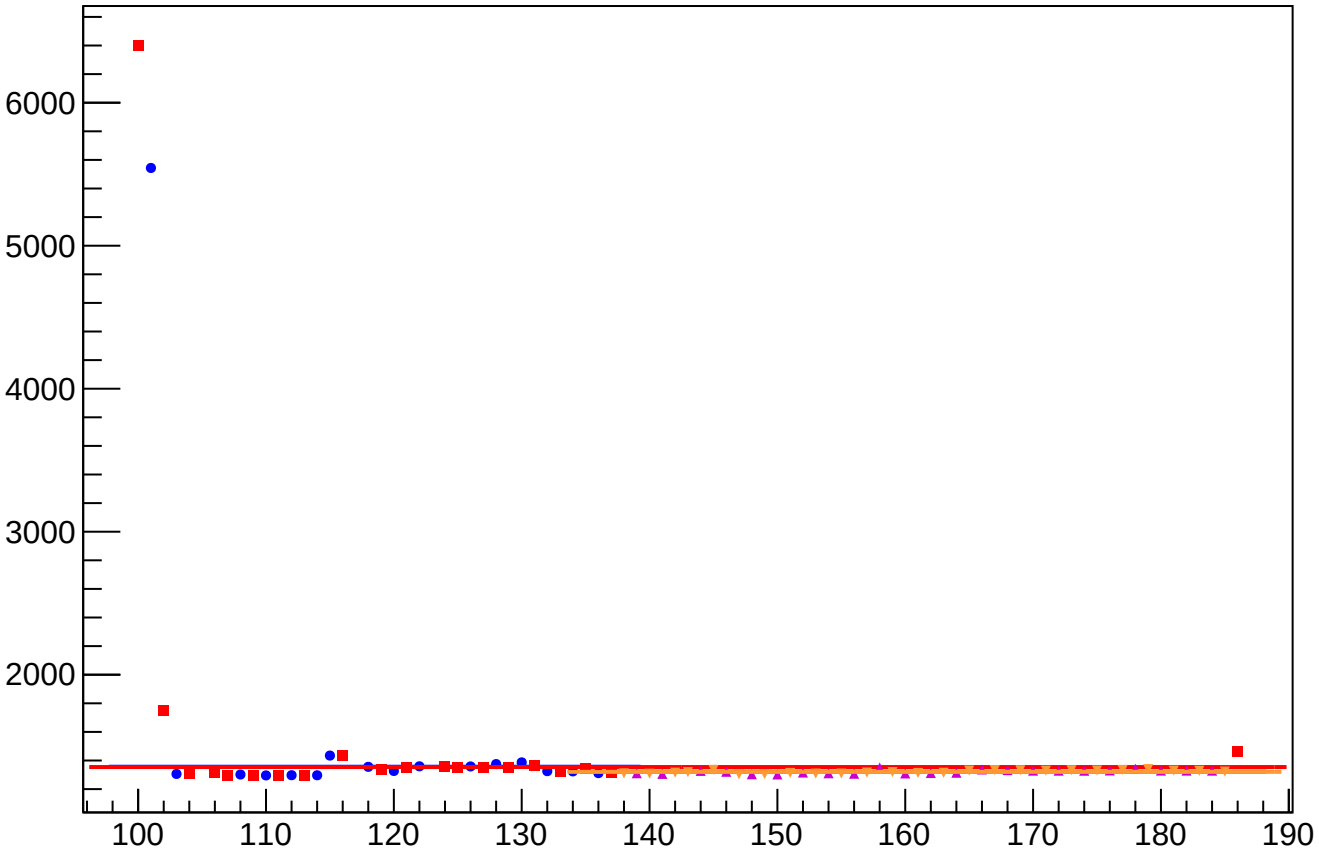
Out: 56.512+/-0.009 χ^2/NDF:5655210.8/44

All: 57.092+/-0.006 χ^2/NDF: 9806190.6/83


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: 22.6/15
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: 32.9/35
In: -0.000+/-0.000 χ²/NDF:51.0/38
Out: -0.000+/-0.000 χ²/NDF:39.8/44
All: -0.000+/-0.000 χ²/NDF: 91.7/83


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1384606.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2386030.8/19
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
Left: 0.000+/-0.000 χ²/NDF: 10139912.3/47
Right: 0.000+/-0.000 χ²/NDF: 3781598.6/35
In: 0.000+/-0.000 χ²/NDF:8454180.0/38
Out: 0.000+/-0.000 χ²/NDF:9739083.4/44
All: 0.000+/-0.000 χ²/NDF: 18203990.6/83


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -271.600+/-489.281 χ²/NDF: 11.8/19
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 36.431+/-355.625 χ²/NDF: 34.1/35
In: 71.112+/-265.103 χ²/NDF:49.1/38
Out: -249.269+/-255.758 χ²/NDF:43.5/44
All: -94.825+/-184.063 χ²/NDF: 93.4/83



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

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

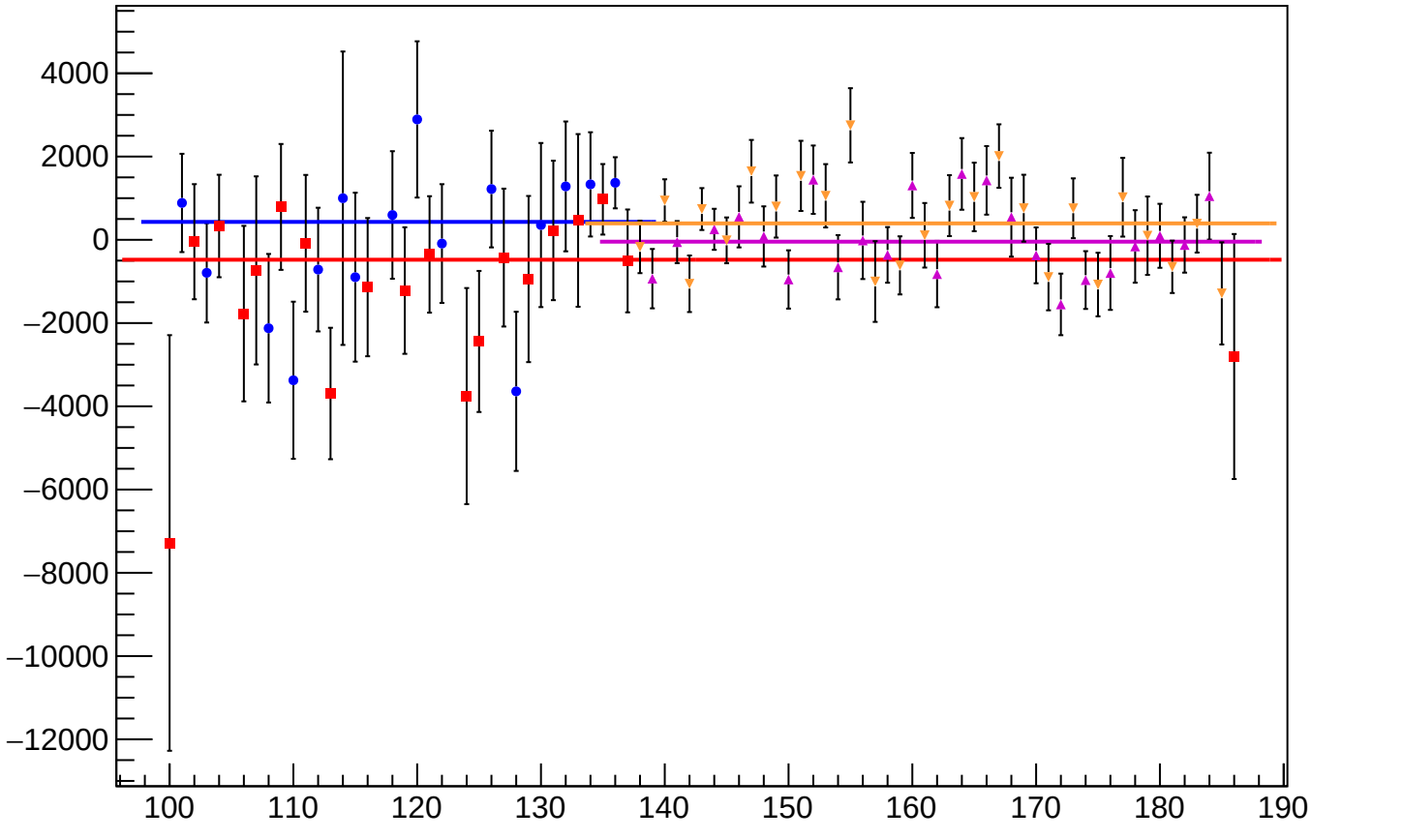
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1355.295+/-0.251 χ^2/NDF: 912461.8/35

In: 1330.856+/-0.187 χ^2/NDF:770414.6/38

Out: 1329.913+/-0.181 χ^2/NDF:161623.4/44

All: 1330.368+/-0.130 χ^2/NDF: 932051.2/83



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

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

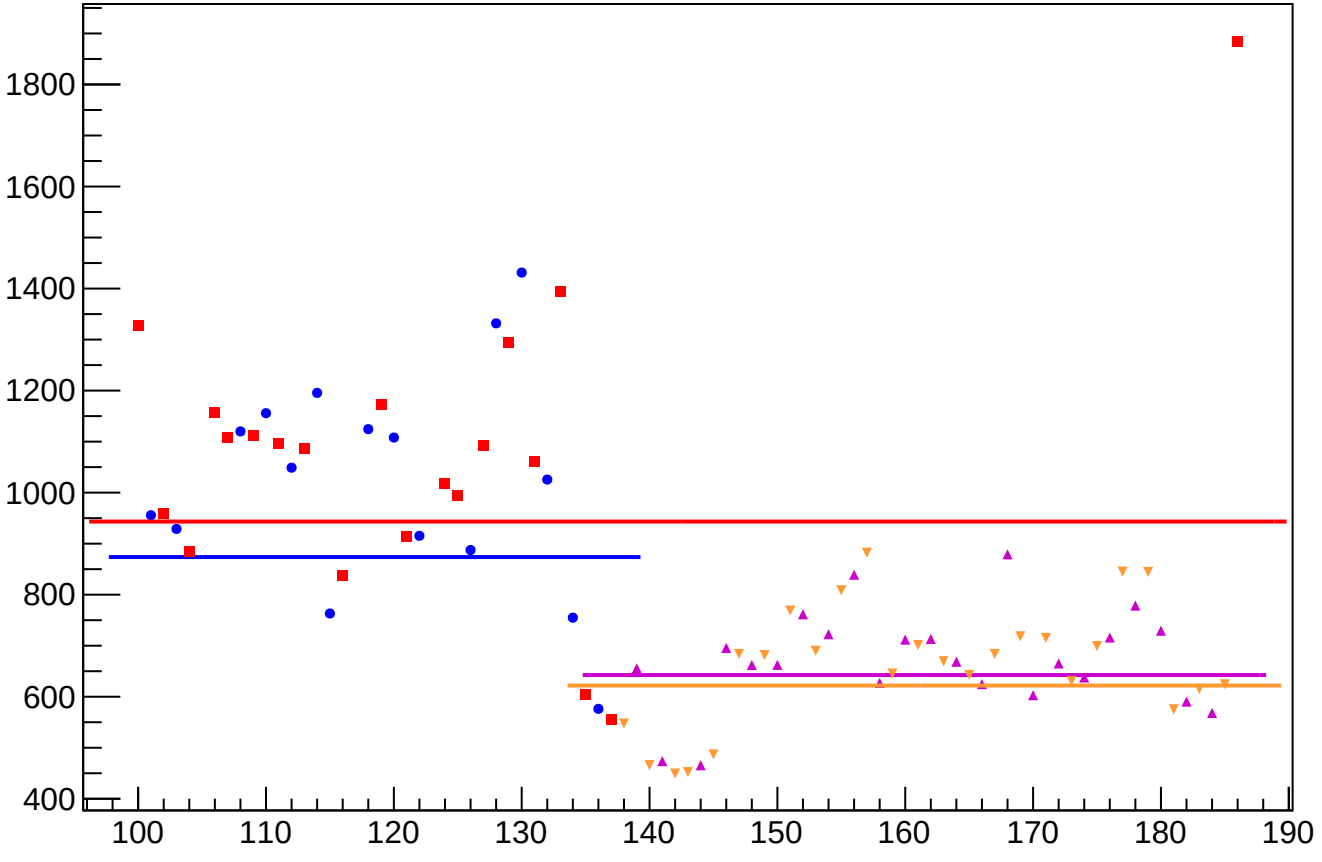
Right: -4.932+/-244.315 χ^2/NDF: 36.7/35

In: 35.259+/-138.911 χ^2/NDF:47.5/38

Out: 269.176+/-133.780 χ^2/NDF:62.1/44

All: 156.618+/-96.360 χ^2/NDF: 111.0/83

asym_usr_atr1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

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

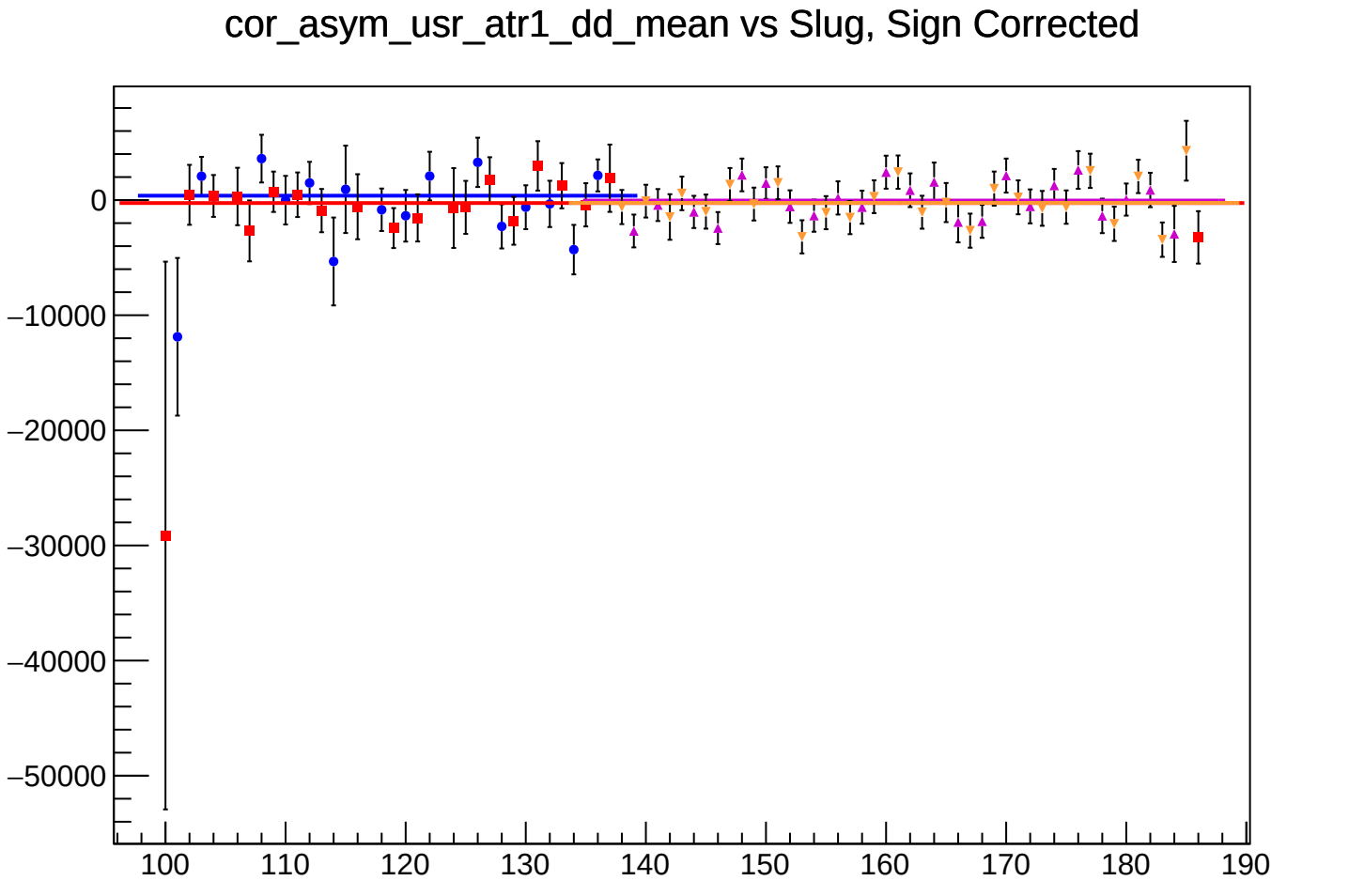
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 907.083+/-0.173 χ^2/NDF: 2122529.4/35

In: 681.426+/-0.098 χ^2/NDF:2717647.8/38

Out: 668.107+/-0.095 χ^2/NDF:3870378.9/44

All: 674.516+/-0.068 χ^2/NDF: 6597565.8/83



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

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

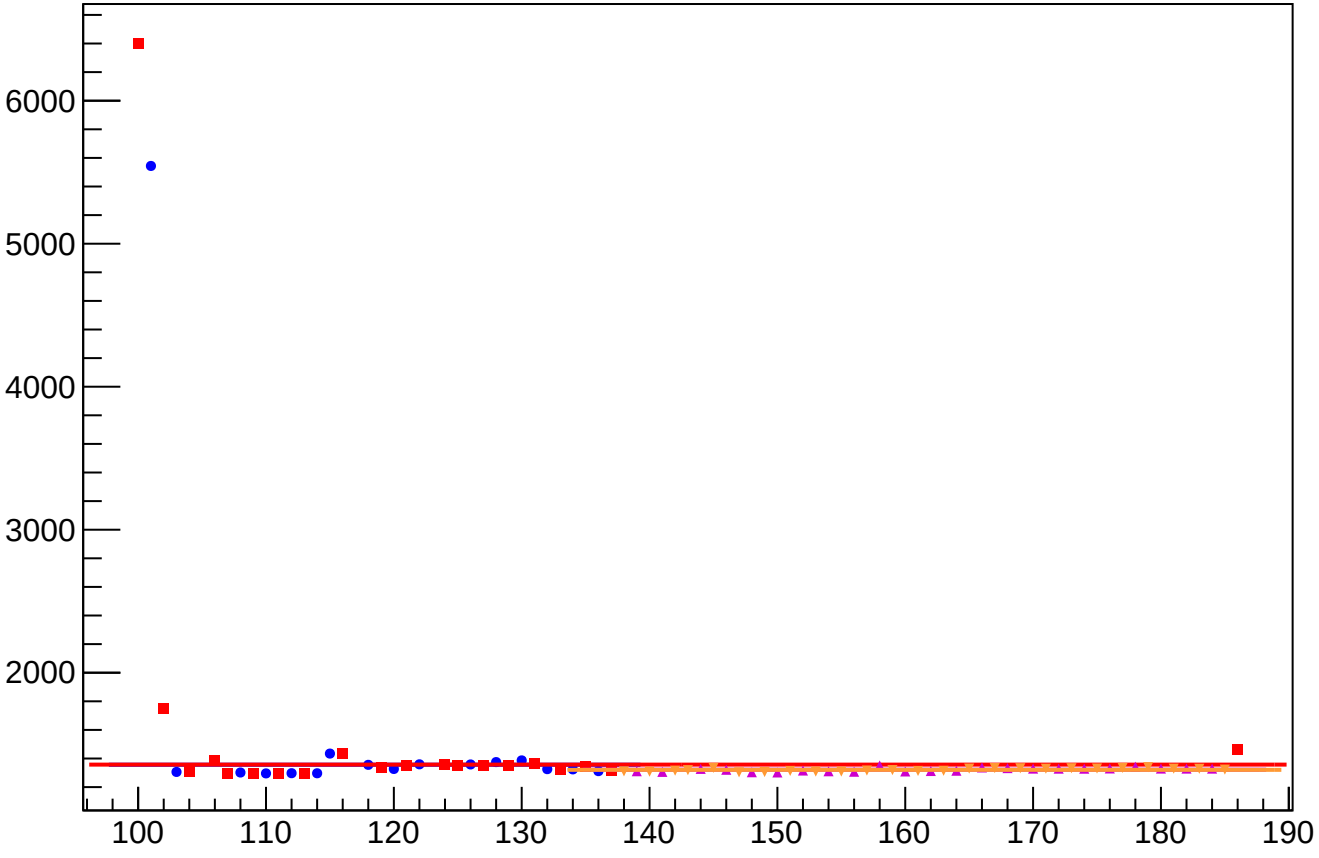
Right: 46.006+/-356.235 χ^2/NDF: 34.1/35

In: 71.141+/-265.103 χ^2/NDF:49.1/38

Out: -244.908+/-255.984 χ^2/NDF:43.5/44

All: -92.413+/-184.148 χ^2/NDF: 93.4/83

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

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

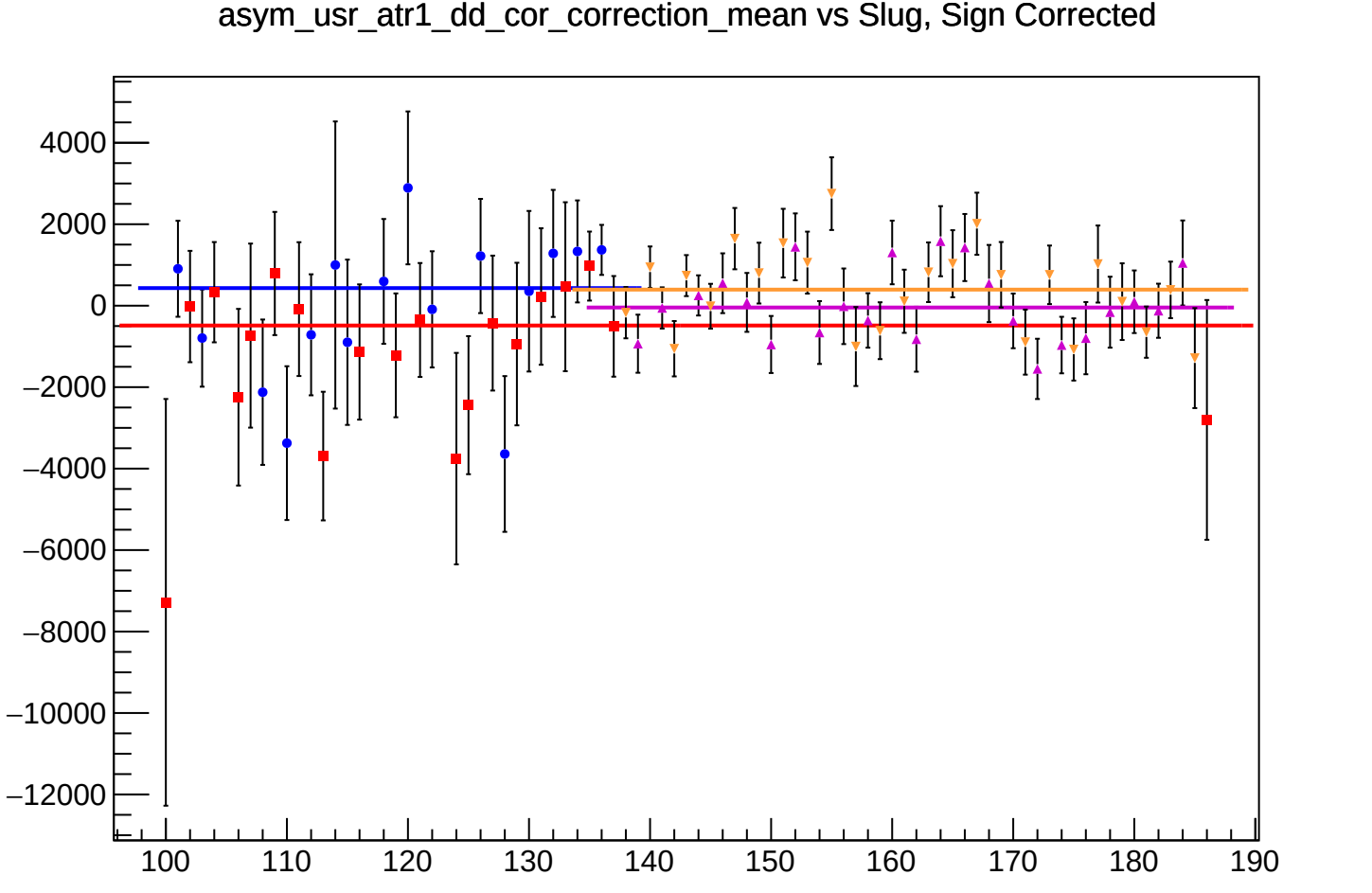
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.878+/-0.252 χ^2/NDF: 912245.6/35

In: 1330.856+/-0.187 χ^2/NDF:770413.7/38

Out: 1330.685+/-0.181 χ^2/NDF:162660.9/44

All: 1330.768+/-0.130 χ^2/NDF: 933075.0/83



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

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

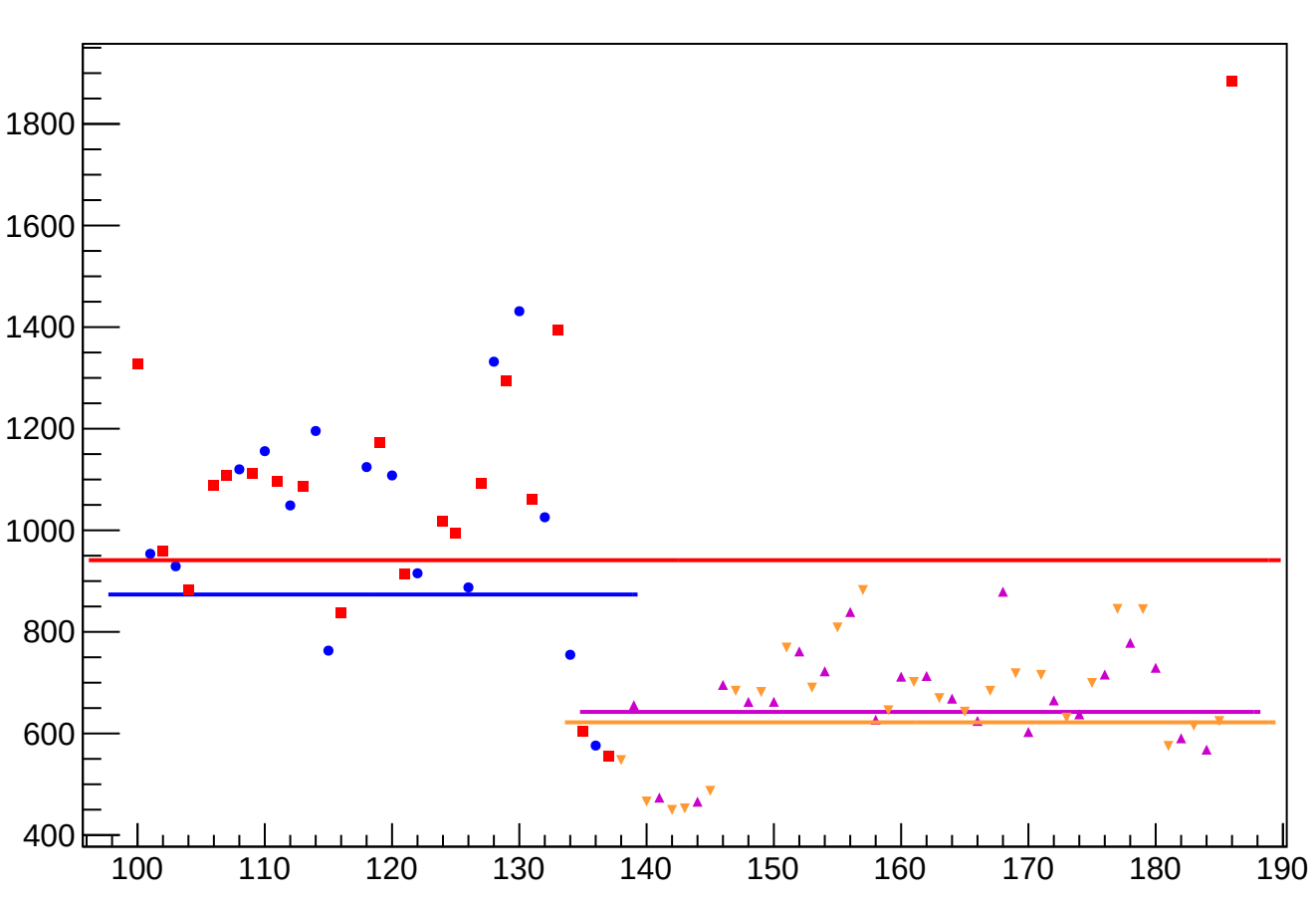
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -7.930+/-244.295 χ^2/NDF: 37.1/35

In: 35.588+/-138.907 χ^2/NDF:47.5/38

Out: 267.955+/-133.780 χ^2/NDF:62.5/44

All: 156.138+/-96.358 χ^2/NDF: 111.4/83



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

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

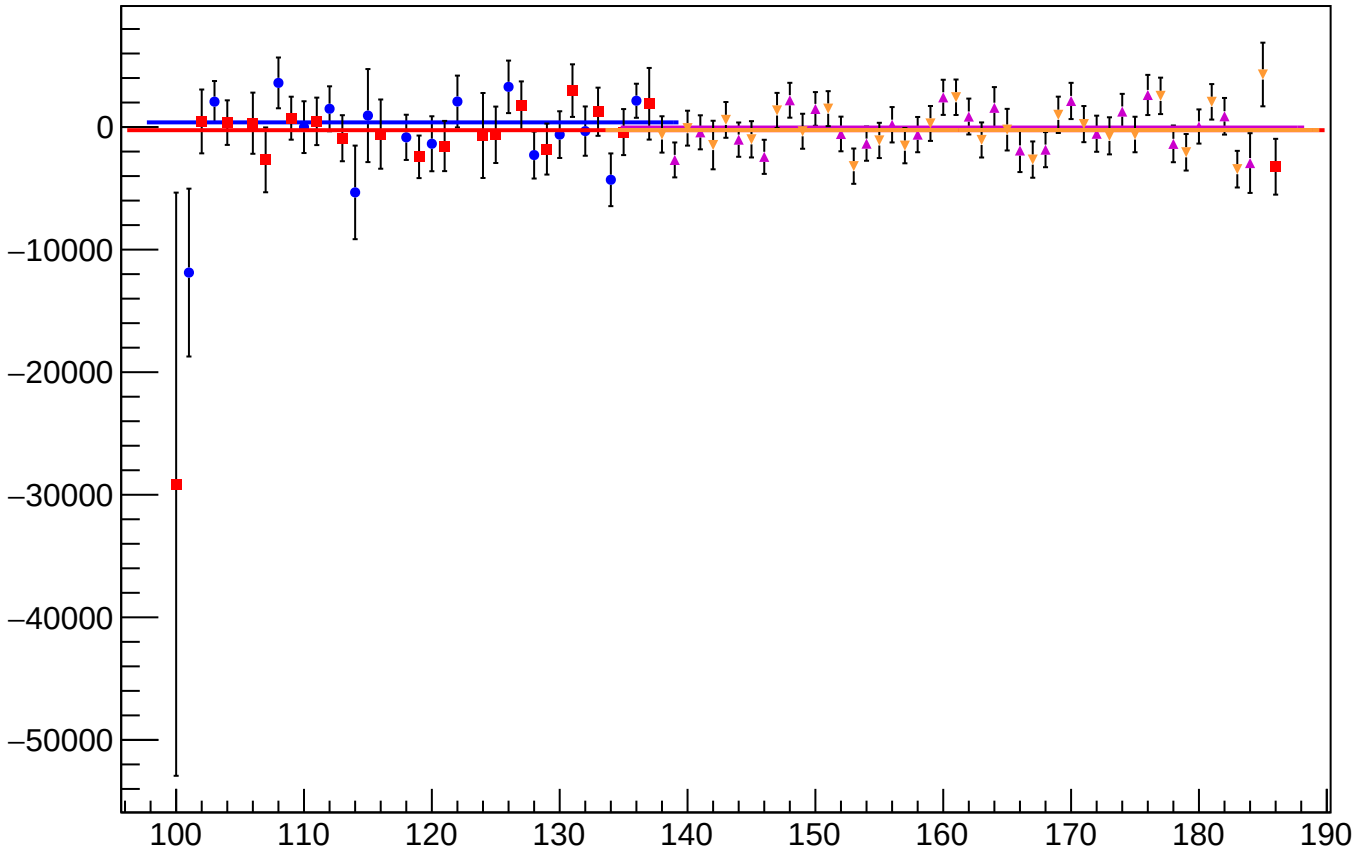
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 905.958+/-0.173 χ^2/NDF: 2108118.5/35

In: 681.411+/-0.098 χ^2/NDF:2716639.8/38

Out: 667.790+/-0.095 χ^2/NDF:3839317.6/44

All: 674.344+/-0.068 χ^2/NDF: 6565933.9/83



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

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

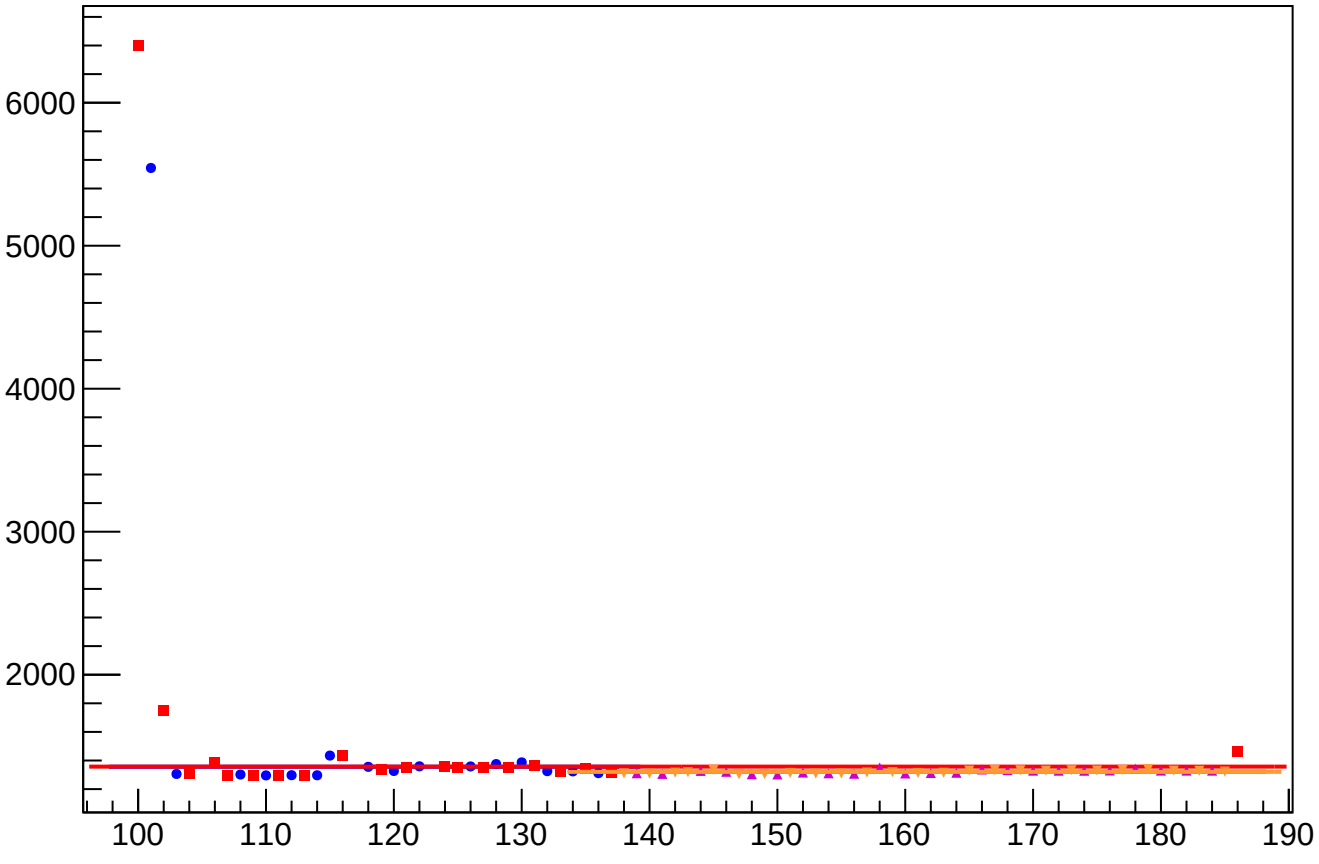
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 46.006+/-356.235 χ^2/NDF: 34.1/35

In: 71.141+/-265.103 χ^2/NDF:49.1/38

Out: -244.908+/-255.984 χ^2/NDF:43.5/44

All: -92.413+/-184.148 χ^2/NDF: 93.4/83



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

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

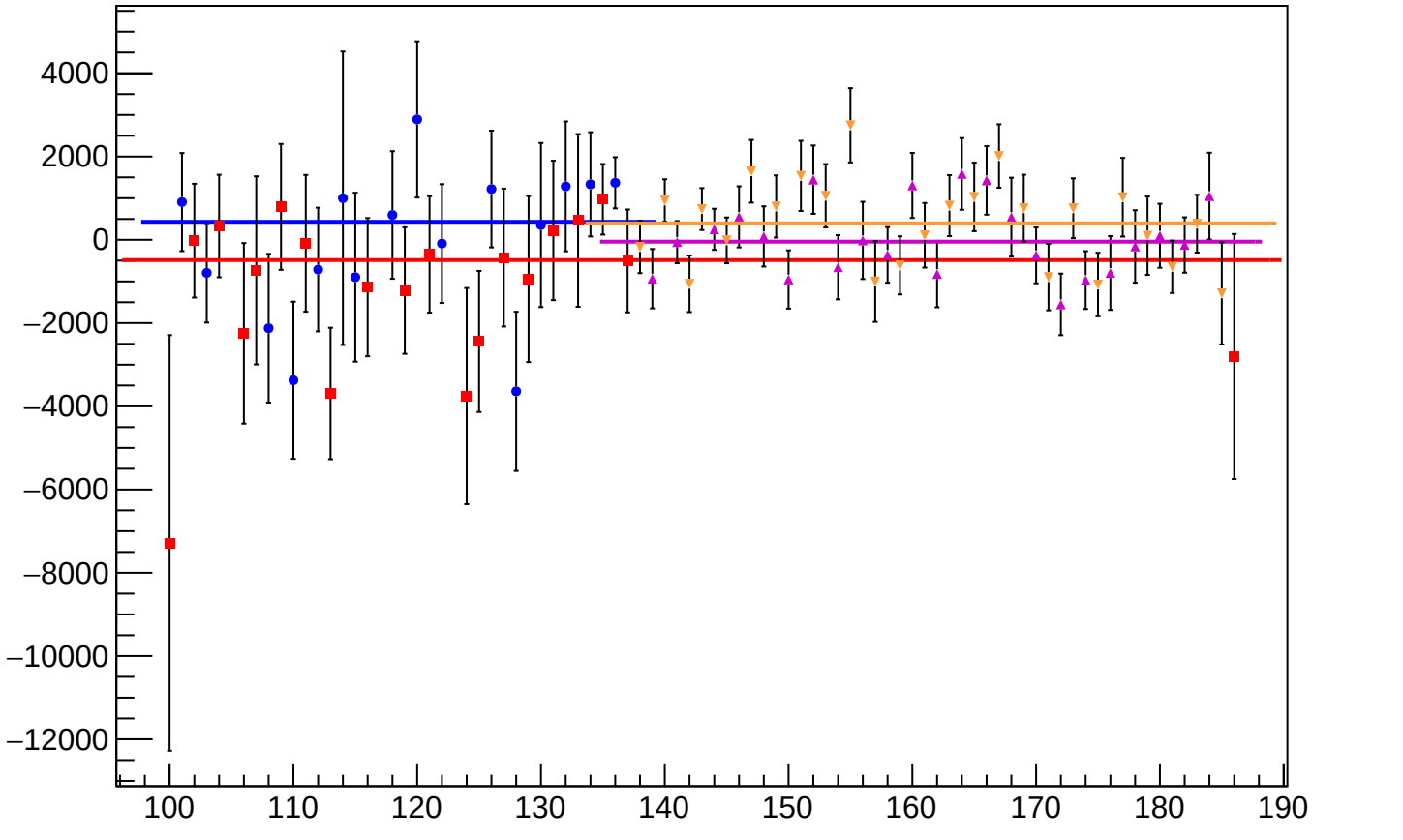
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1356.878+/-0.252 χ^2/NDF: 912245.6/35

In: 1330.856+/-0.187 χ^2/NDF:770413.7/38

Out: 1330.685+/-0.181 χ^2/NDF:162660.9/44

All: 1330.768+/-0.130 χ^2/NDF: 933075.0/83



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

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

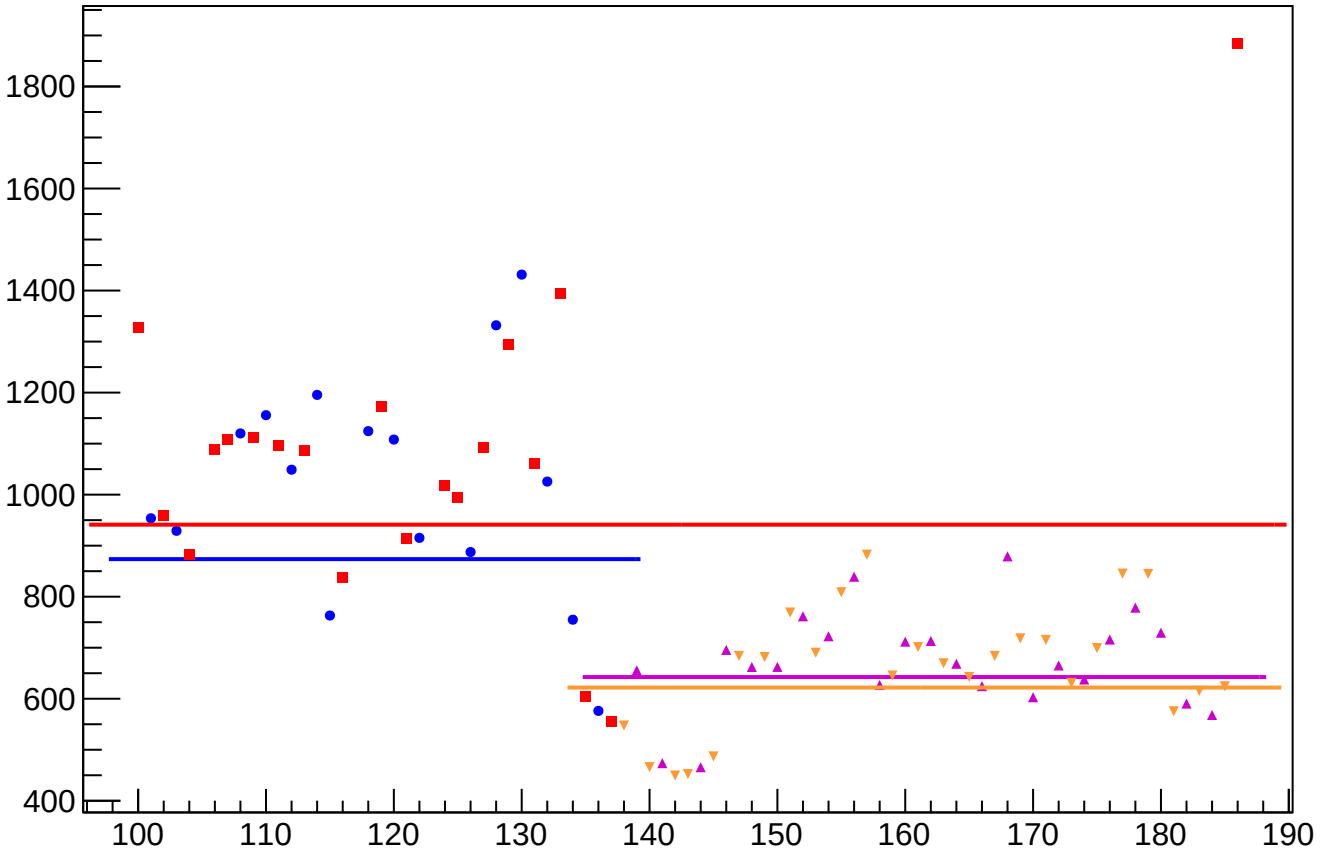
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -7.930+/-244.295 χ^2/NDF: 37.1/35

In: 35.588+/-138.907 χ^2/NDF:47.5/38

Out: 267.955+/-133.780 χ^2/NDF:62.5/44

All: 156.138+/-96.358 χ^2/NDF: 111.4/83



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

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

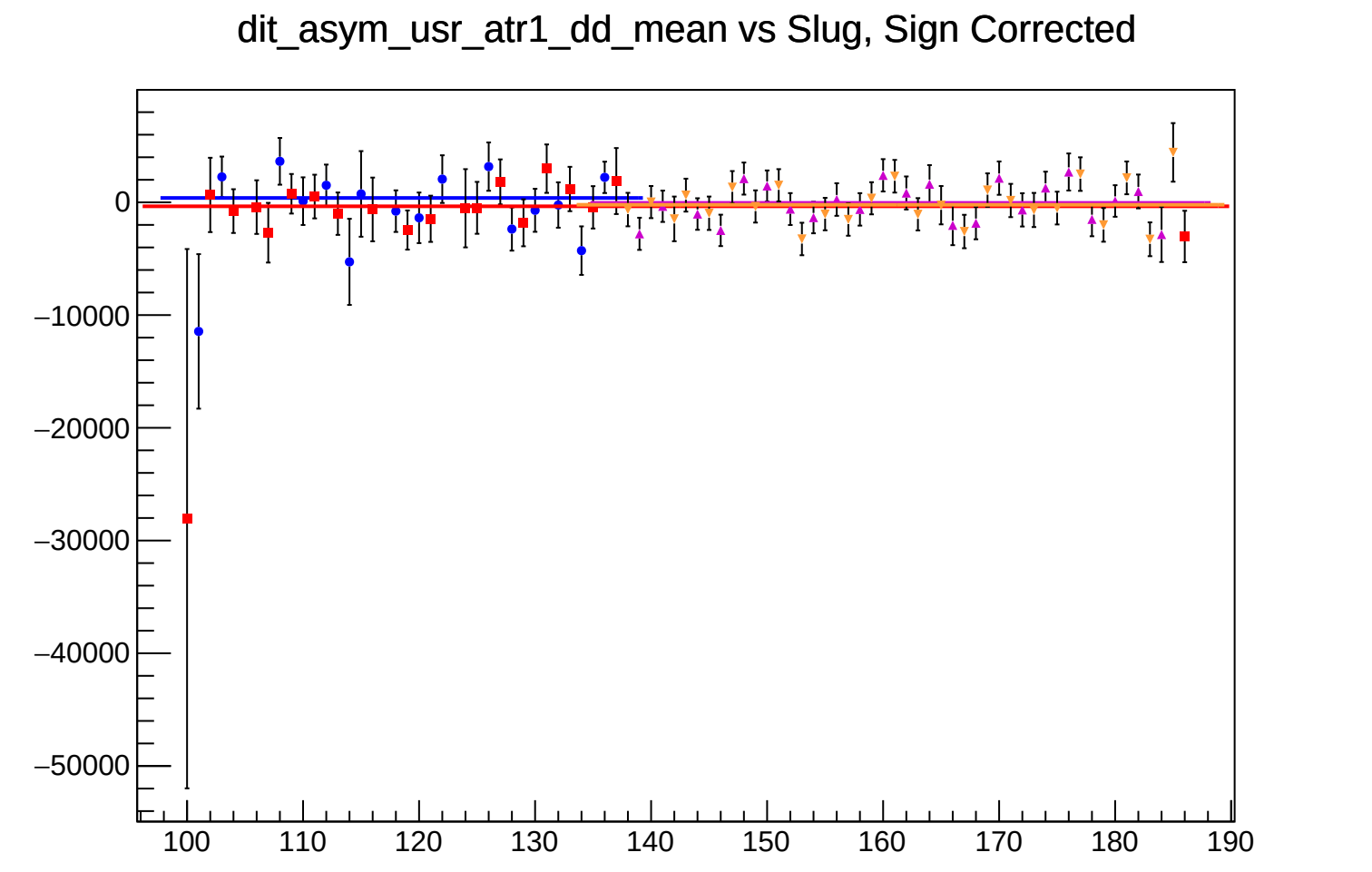
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 905.958+/-0.173 χ^2/NDF: 2108118.5/35

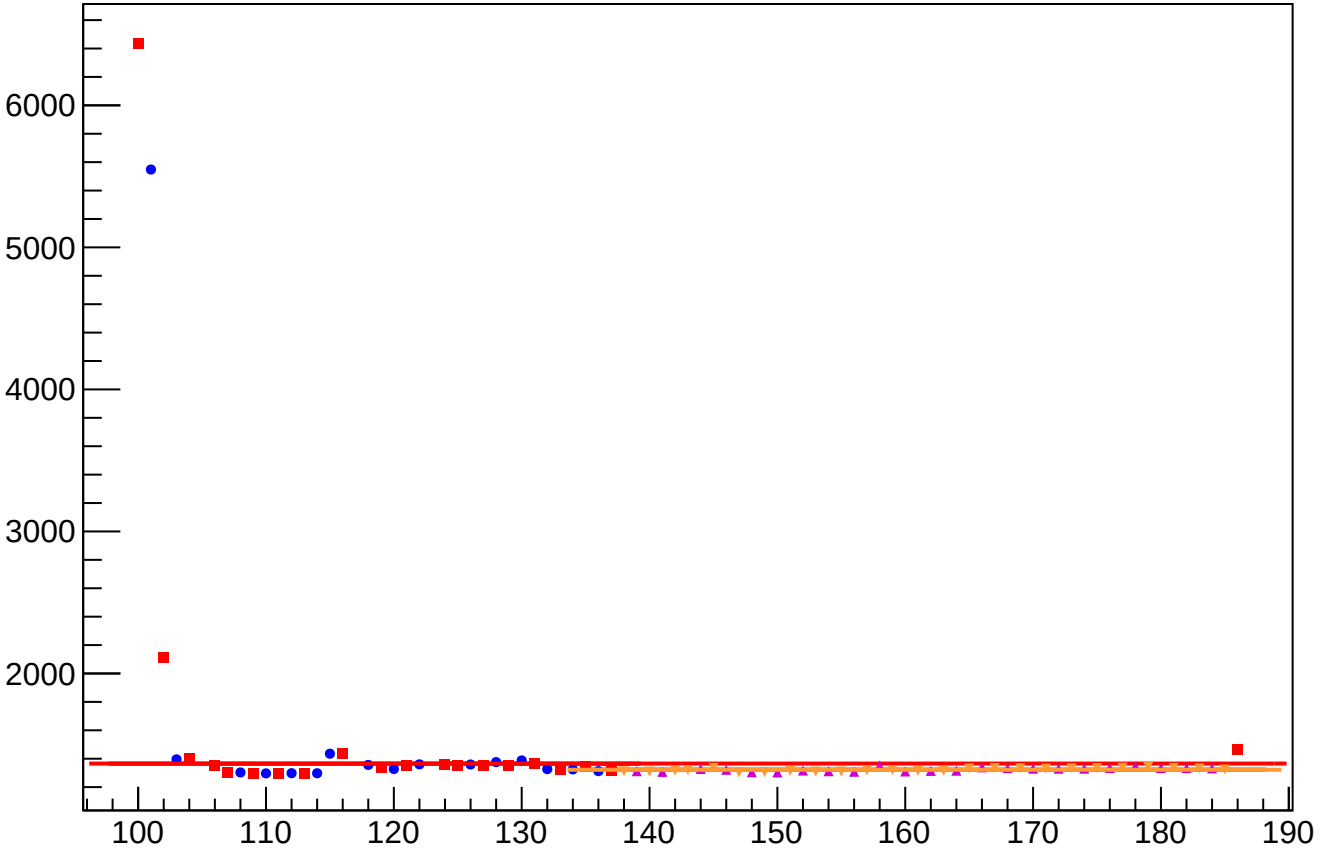
In: 681.411+/-0.098 χ^2/NDF:2716639.8/38

Out: 667.790+/-0.095 χ^2/NDF:3839317.6/44

All: 674.344+/-0.068 χ^2/NDF: 6565933.9/83


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -350.876+/-495.798 χ²/NDF: 11.4/19
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: 1.073+/-359.213 χ²/NDF: 33.9/35
In: 64.245+/-265.784 χ²/NDF:49.7/38
Out: -251.507+/-256.908 χ²/NDF:42.8/44
All: -98.992+/-184.720 χ²/NDF: 93.2/83

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

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

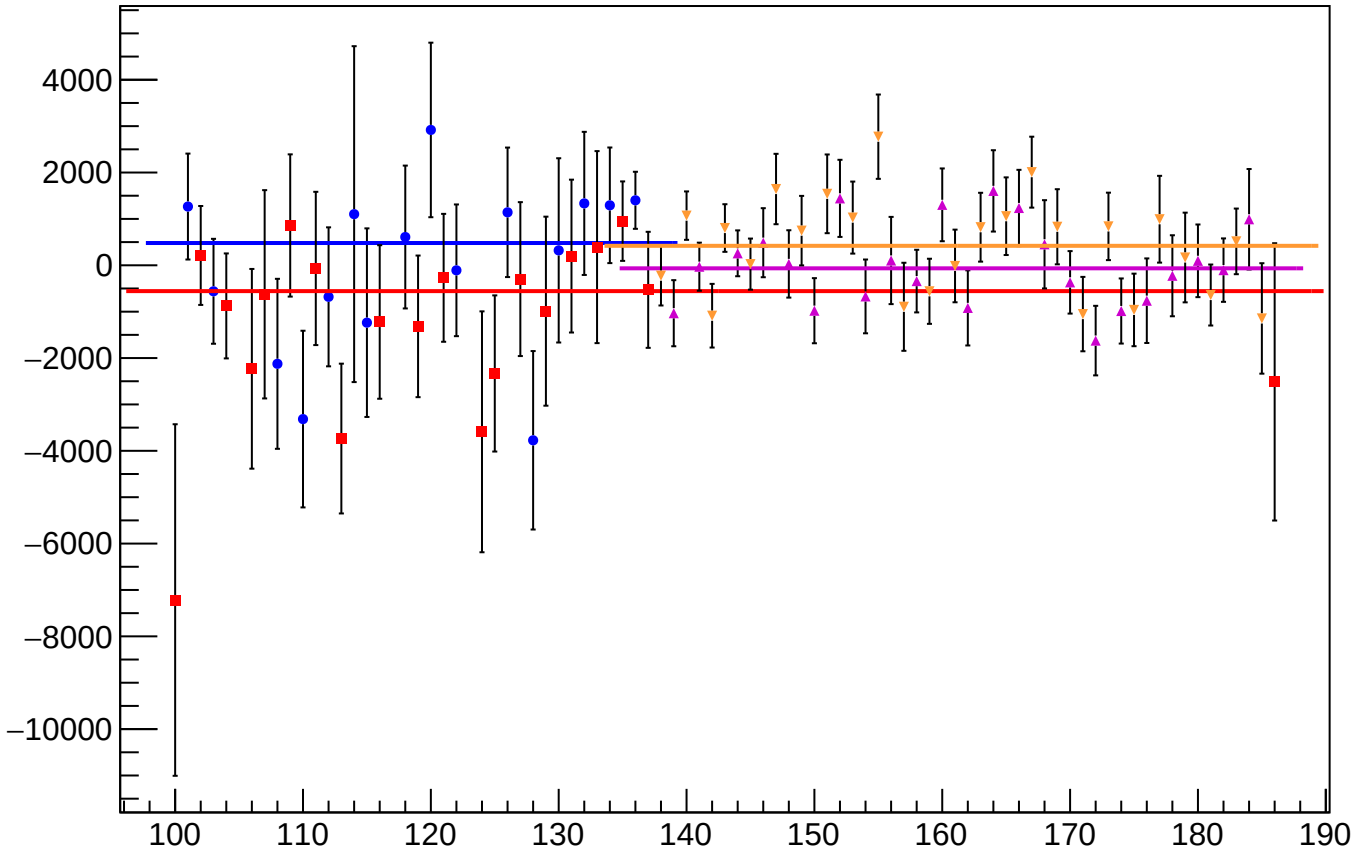
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1365.585+/-0.254 χ^2/NDF: 968485.2/35

In: 1334.252+/-0.188 χ^2/NDF:772395.8/38

Out: 1334.041+/-0.182 χ^2/NDF:223719.0/44

All: 1334.143+/-0.131 χ^2/NDF: 996115.4/83



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

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

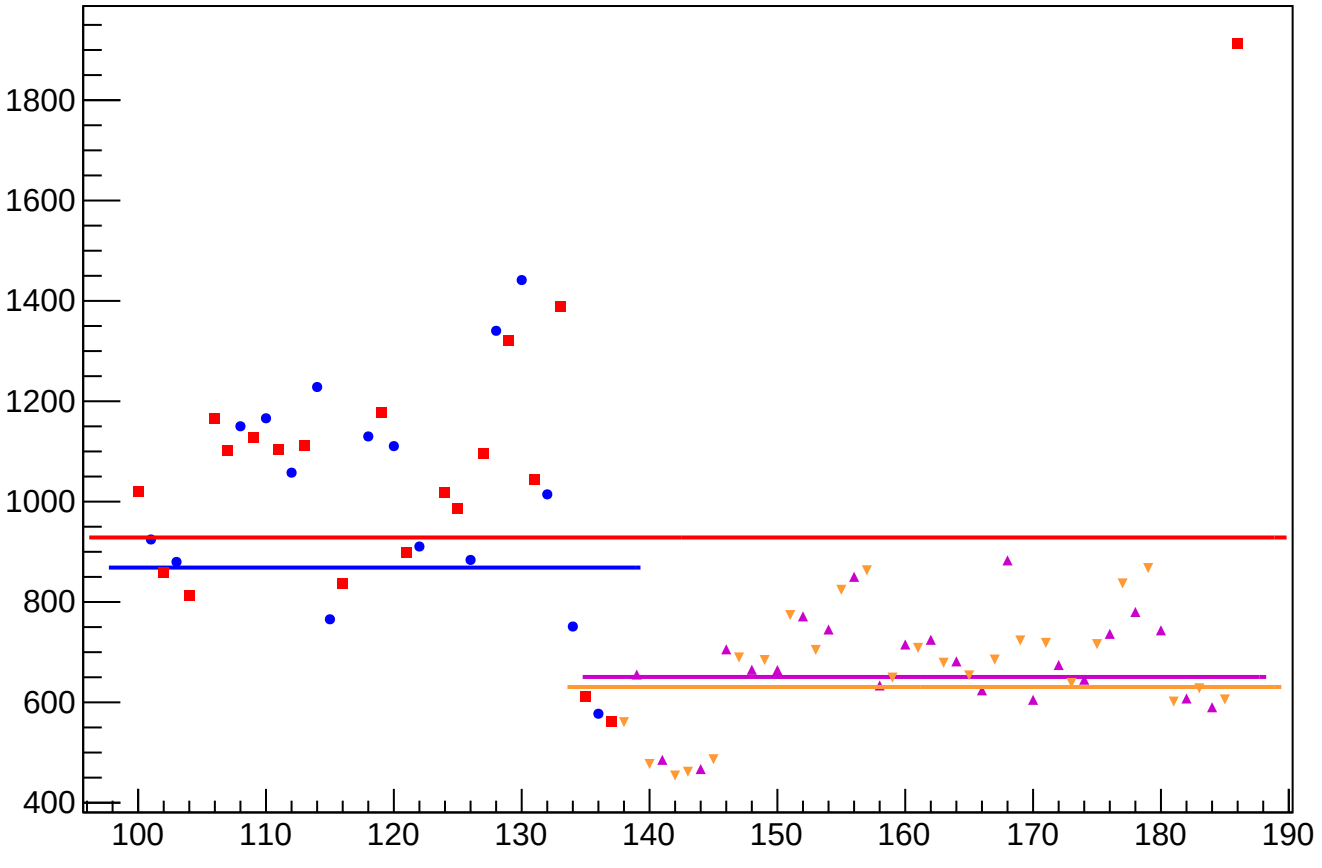
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -27.071+/-240.491 χ^2/NDF: 39.3/35

In: 29.333+/-140.202 χ^2/NDF:47.8/38

Out: 269.928+/-134.725 χ^2/NDF:64.4/44

All: 154.422+/-97.143 χ^2/NDF: 113.8/83



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

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

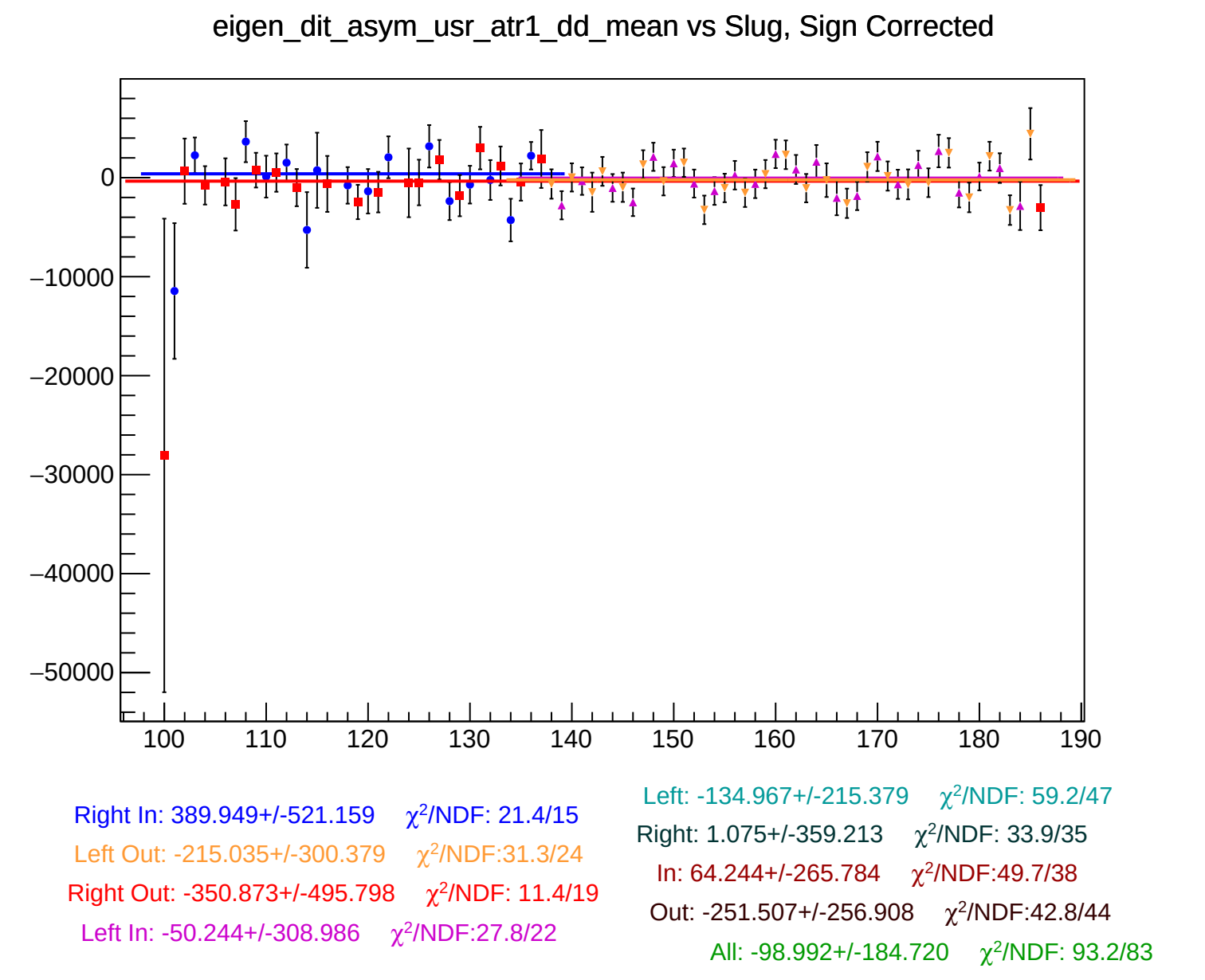
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

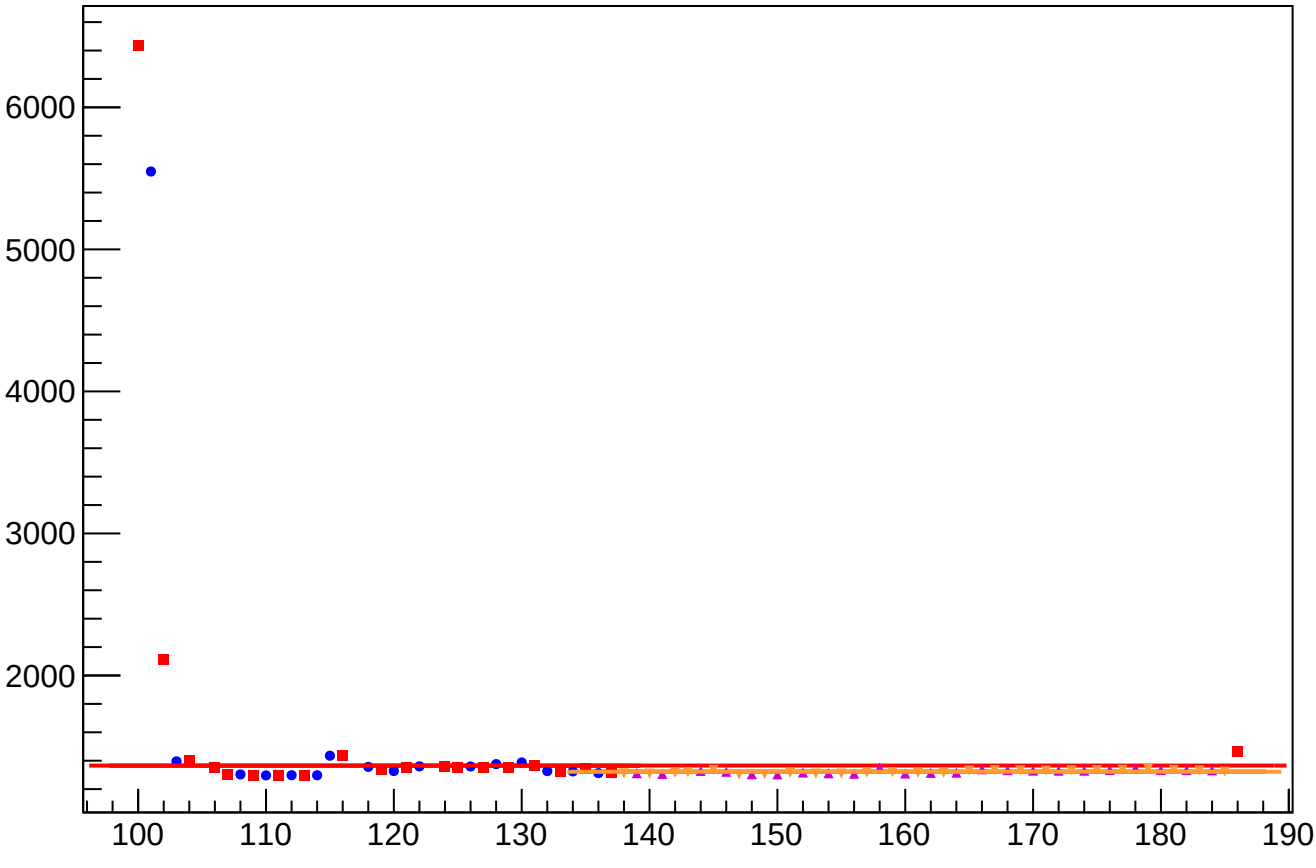
Right: 897.918+/-0.170 χ^2/NDF: 2130894.0/35

In: 688.465+/-0.099 χ^2/NDF:2636627.9/38

Out: 676.344+/-0.095 χ^2/NDF:3678526.4/44

All: 682.163+/-0.069 χ^2/NDF: 6322925.6/83


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
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: 1.075+/-359.213 χ²/NDF: 33.9/35
In: 64.244+/-265.784 χ²/NDF:49.7/38
Out: -251.507+/-256.908 χ²/NDF:42.8/44
All: -98.992+/-184.720 χ²/NDF: 93.2/83



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

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

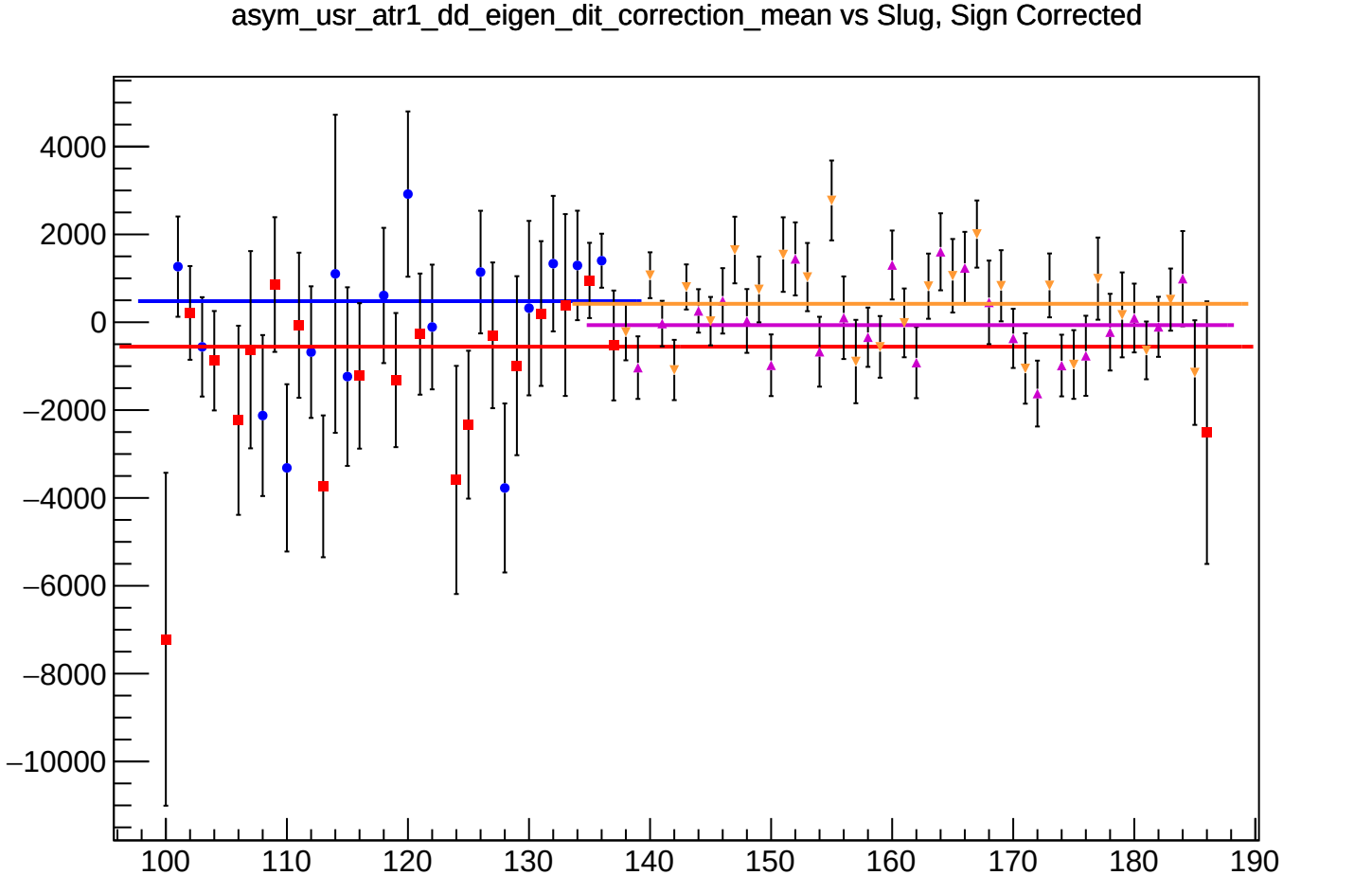
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1365.585+/-0.254 χ^2/NDF: 968485.2/35

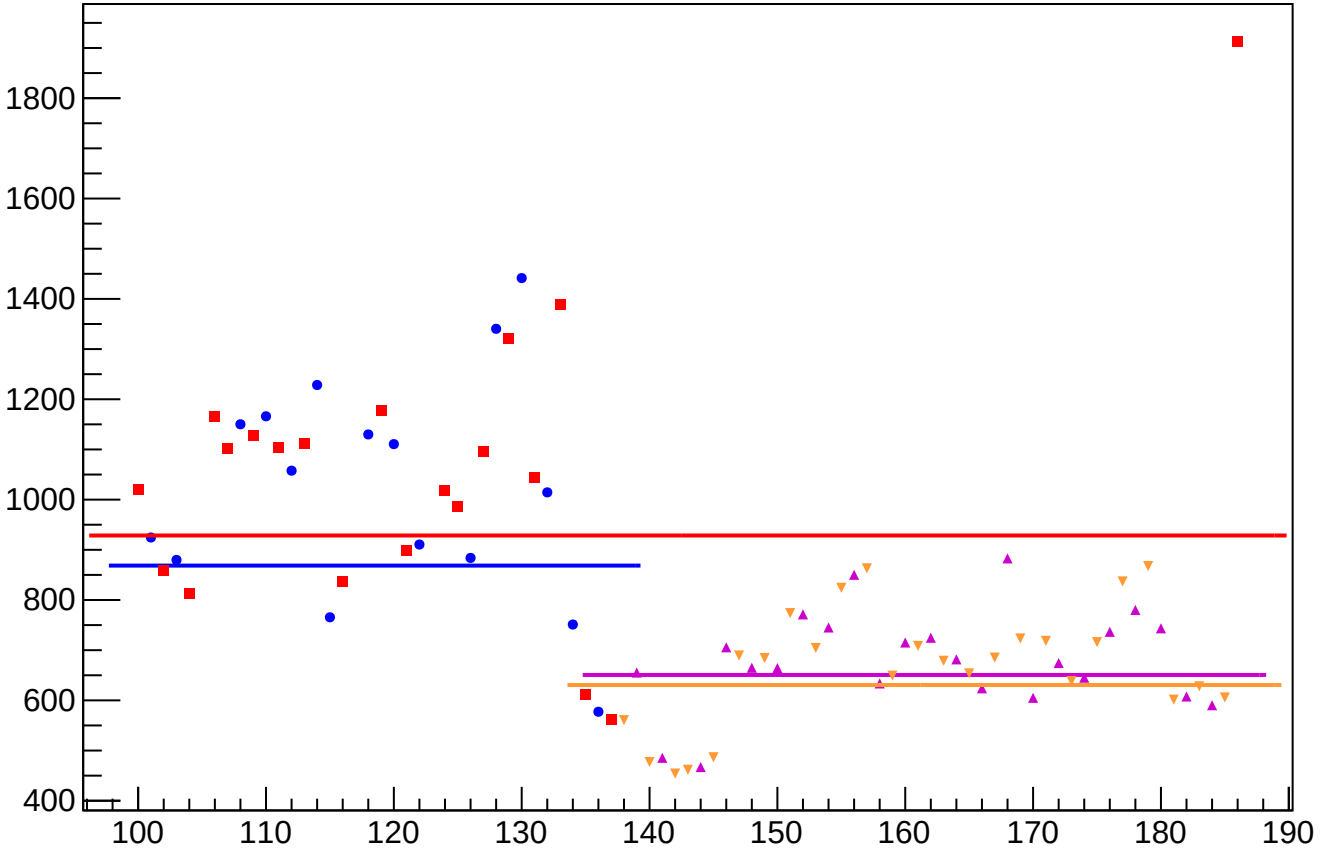
In: 1334.252+/-0.188 χ^2/NDF:772395.8/38

Out: 1334.041+/-0.182 χ^2/NDF:223718.9/44

All: 1334.143+/-0.131 χ^2/NDF: 996115.4/83


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -556.762+/-343.807 χ²/NDF: 16.1/19
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: -27.072+/-240.491 χ²/NDF: 39.3/35
In: 29.334+/-140.202 χ²/NDF:47.8/38
Out: 269.928+/-134.725 χ²/NDF:64.4/44
All: 154.422+/-97.144 χ²/NDF: 113.8/83

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

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

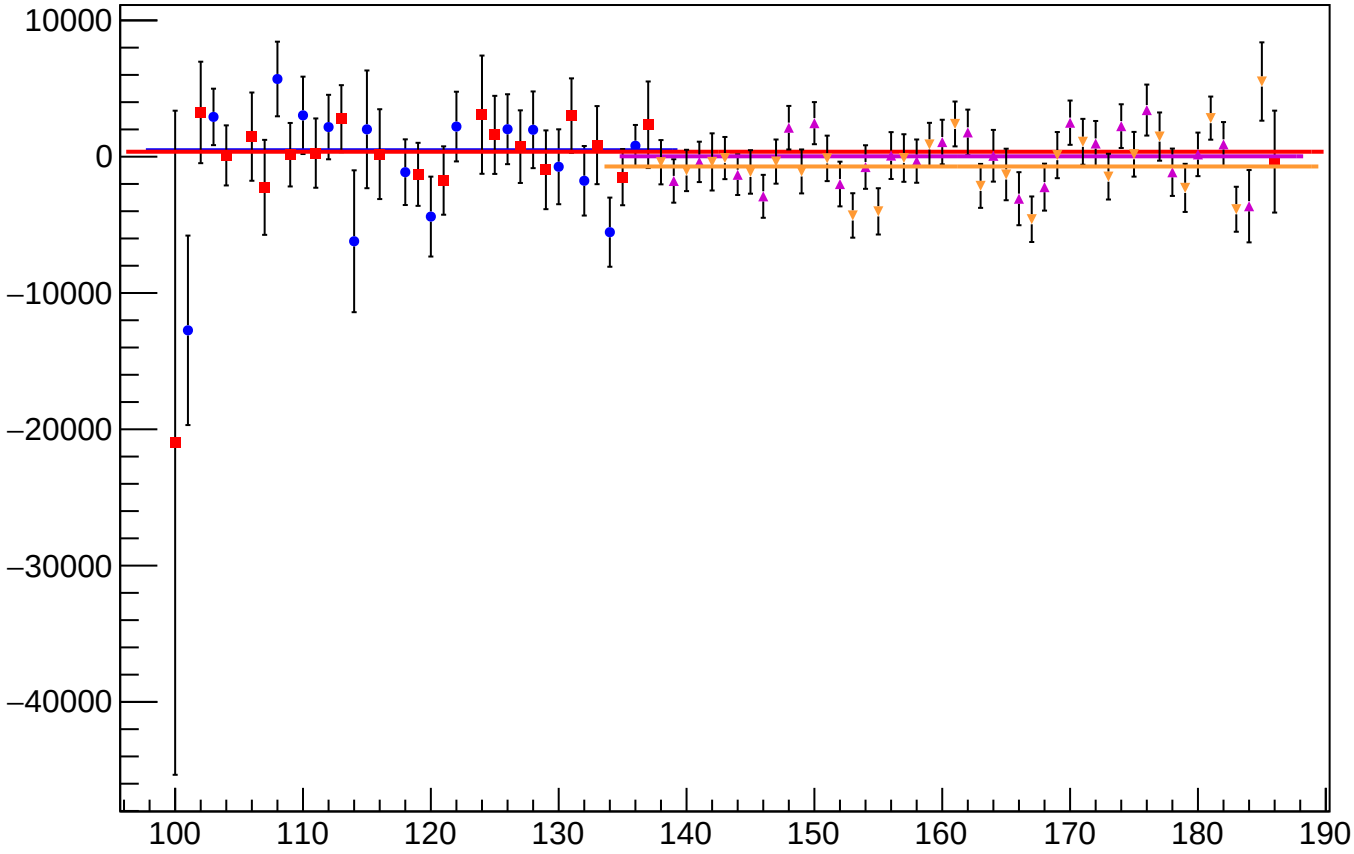
Right: 897.916+/-0.170 χ^2/NDF: 2130893.3/35

In: 688.466+/-0.099 χ^2/NDF:2636616.6/38

Out: 676.345+/-0.095 χ^2/NDF:3678529.3/44

All: 682.164+/-0.069 χ^2/NDF: 6322917.6/83

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

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

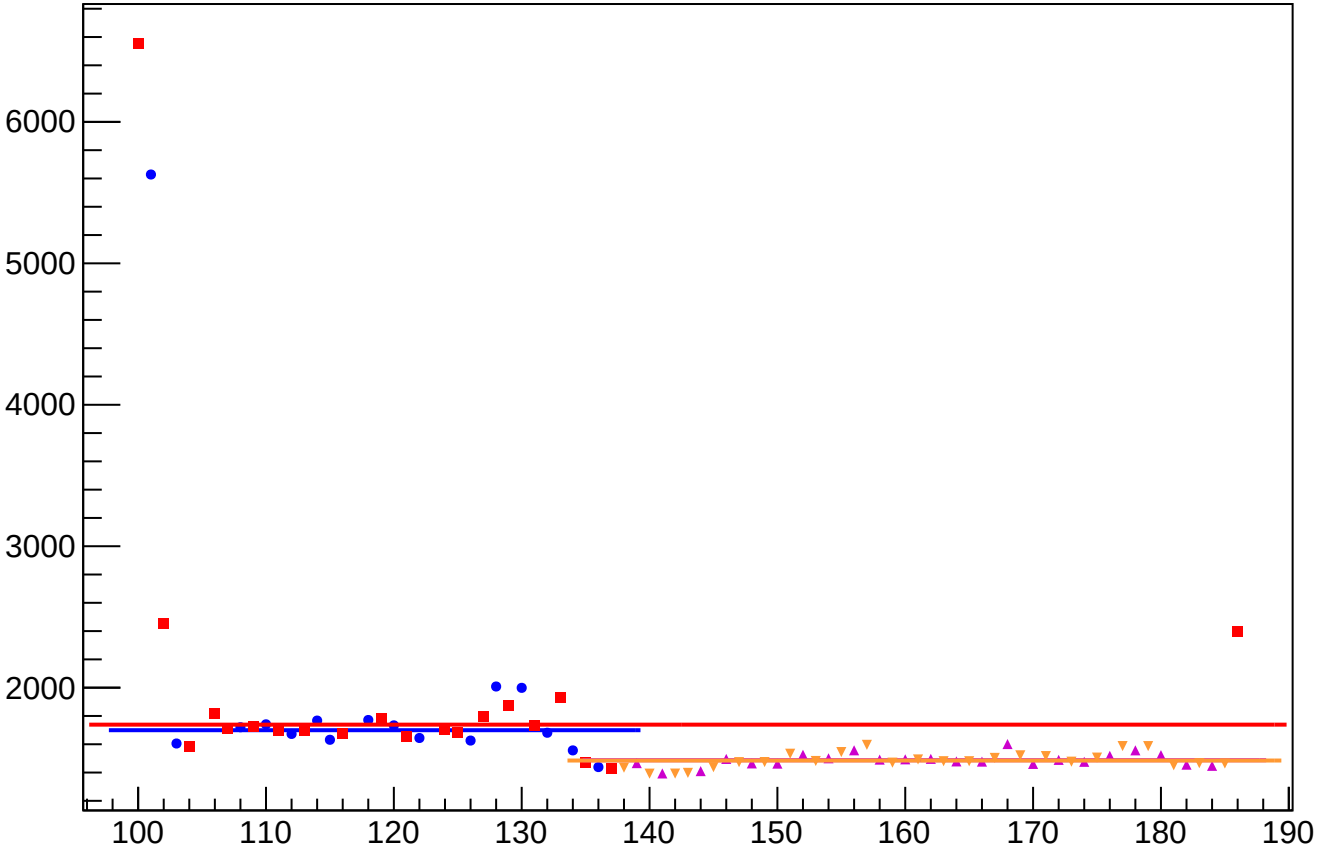
Right: 417.044+/-453.135 χ^2/NDF: 30.0/35

In: 126.790+/-306.316 χ^2/NDF:51.0/38

Out: -478.610+/-297.839 χ^2/NDF:47.3/44

All: -184.403+/-213.538 χ^2/NDF: 100.4/83

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

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

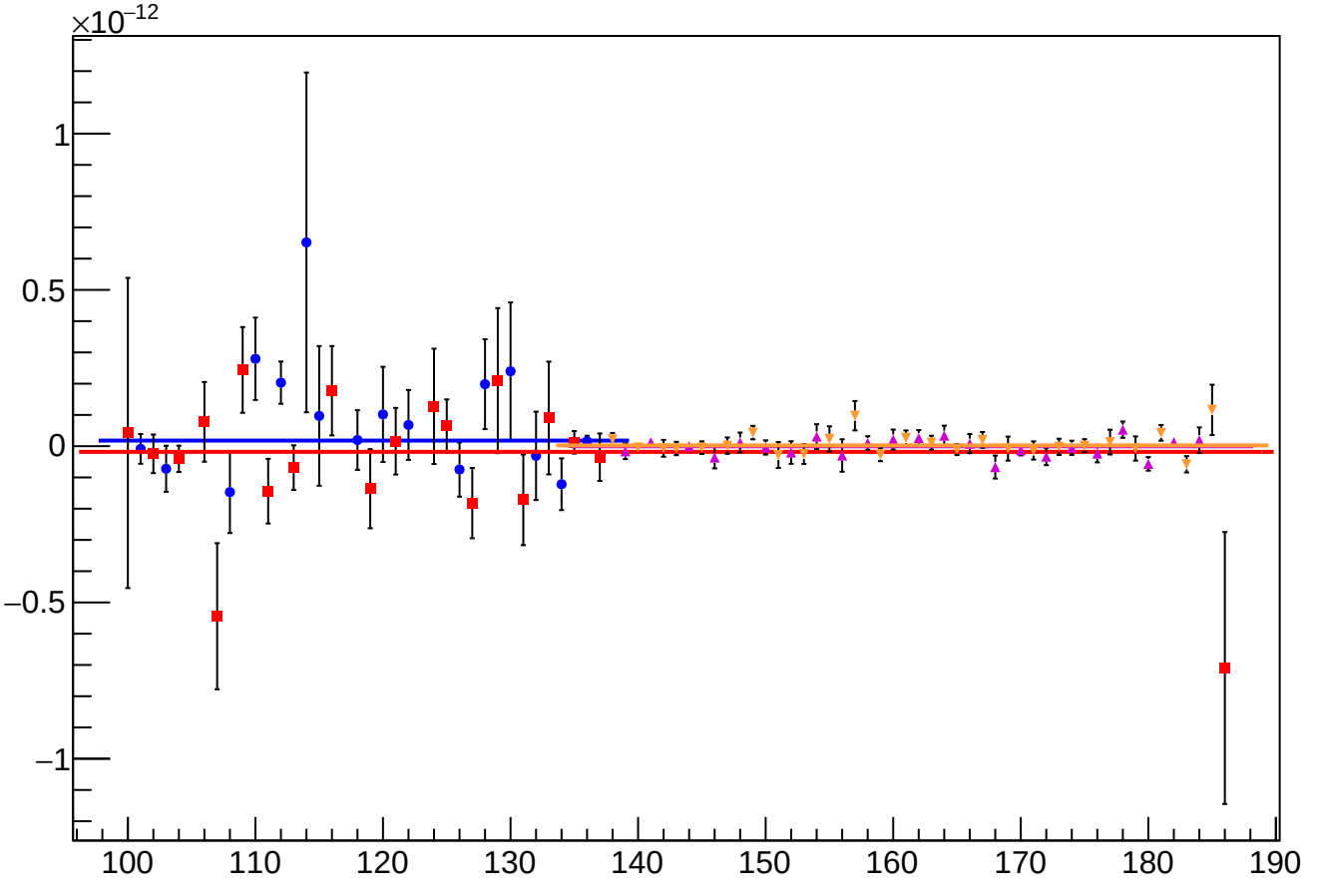
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1719.470+/-0.320 χ^2/NDF: 1064014.5/35

In: 1534.352+/-0.217 χ^2/NDF:963034.7/38

Out: 1541.160+/-0.211 χ^2/NDF:599240.3/44

All: 1537.852+/-0.151 χ^2/NDF: 1562782.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

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

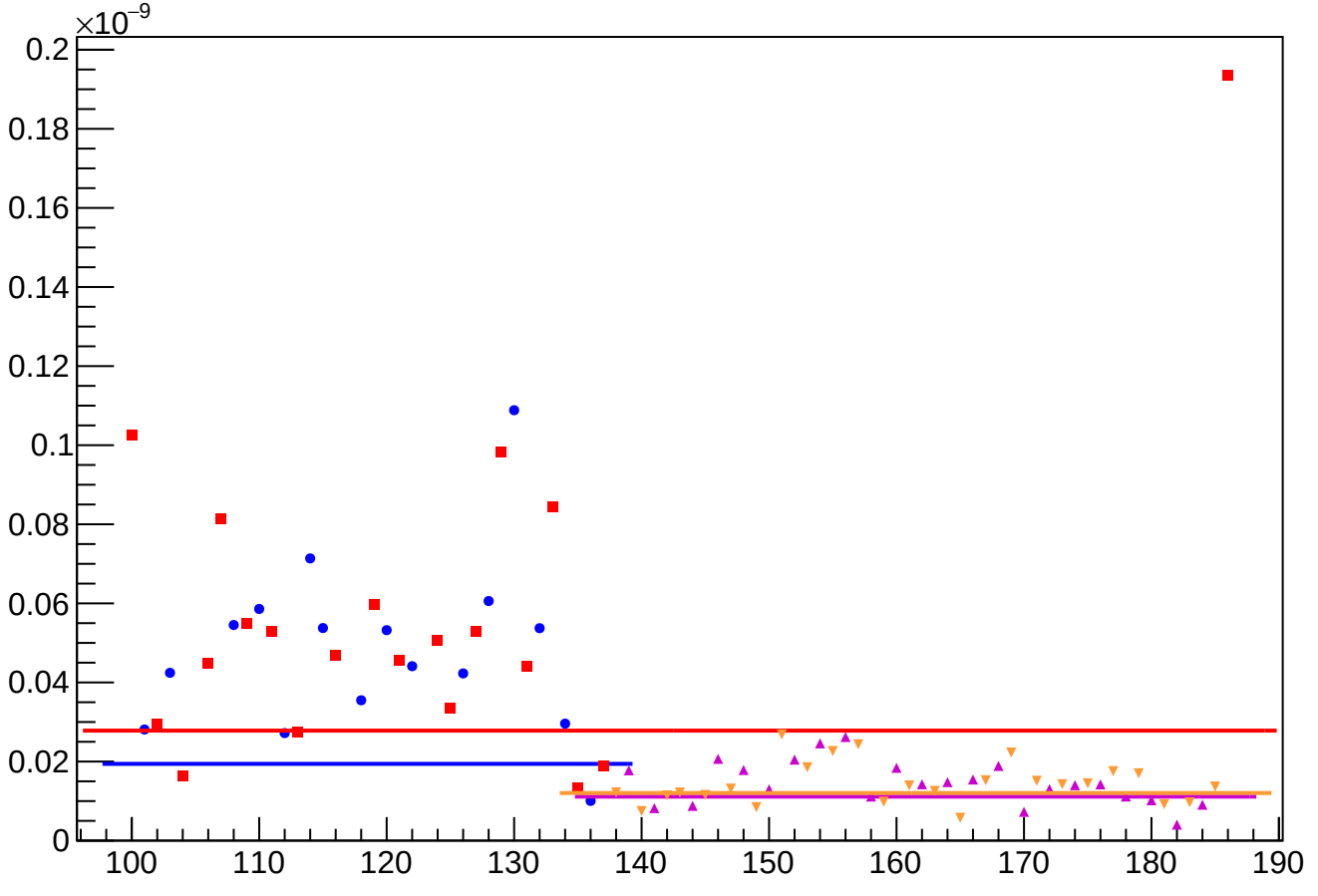
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/35

In: 0.000+/-0.000 χ^2/NDF:49.9/38

Out: 0.000+/-0.000 χ^2/NDF:50.4/44

All: 0.000+/-0.000 χ^2/NDF: 100.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

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

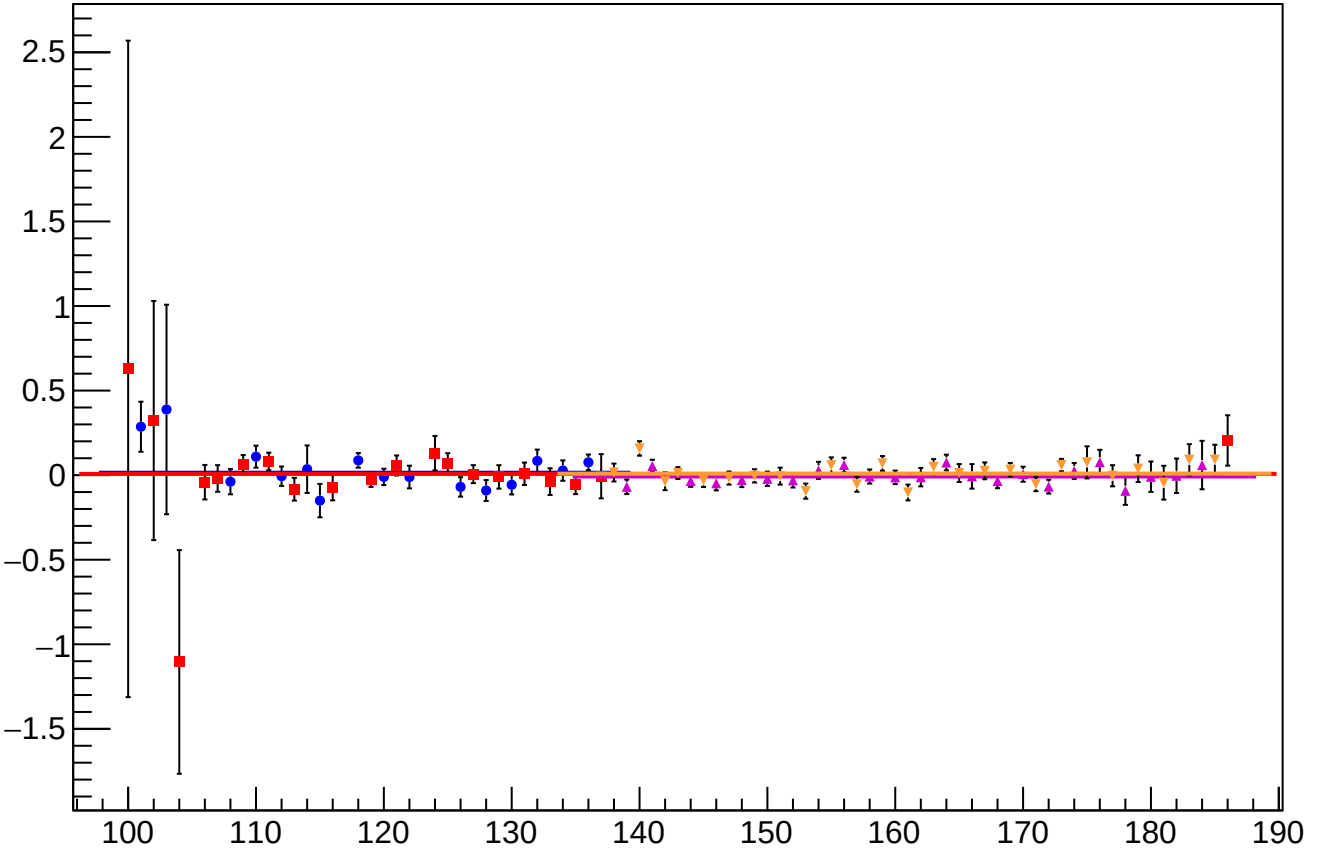
Right: 0.000+/-0.000 χ^2/NDF: 4462586.1/35

In: 0.000+/-0.000 χ^2/NDF:5081276.4/38

Out: 0.000+/-0.000 χ^2/NDF:4740054.8/44

All: 0.000+/-0.000 χ^2/NDF: 9873364.7/83

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-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

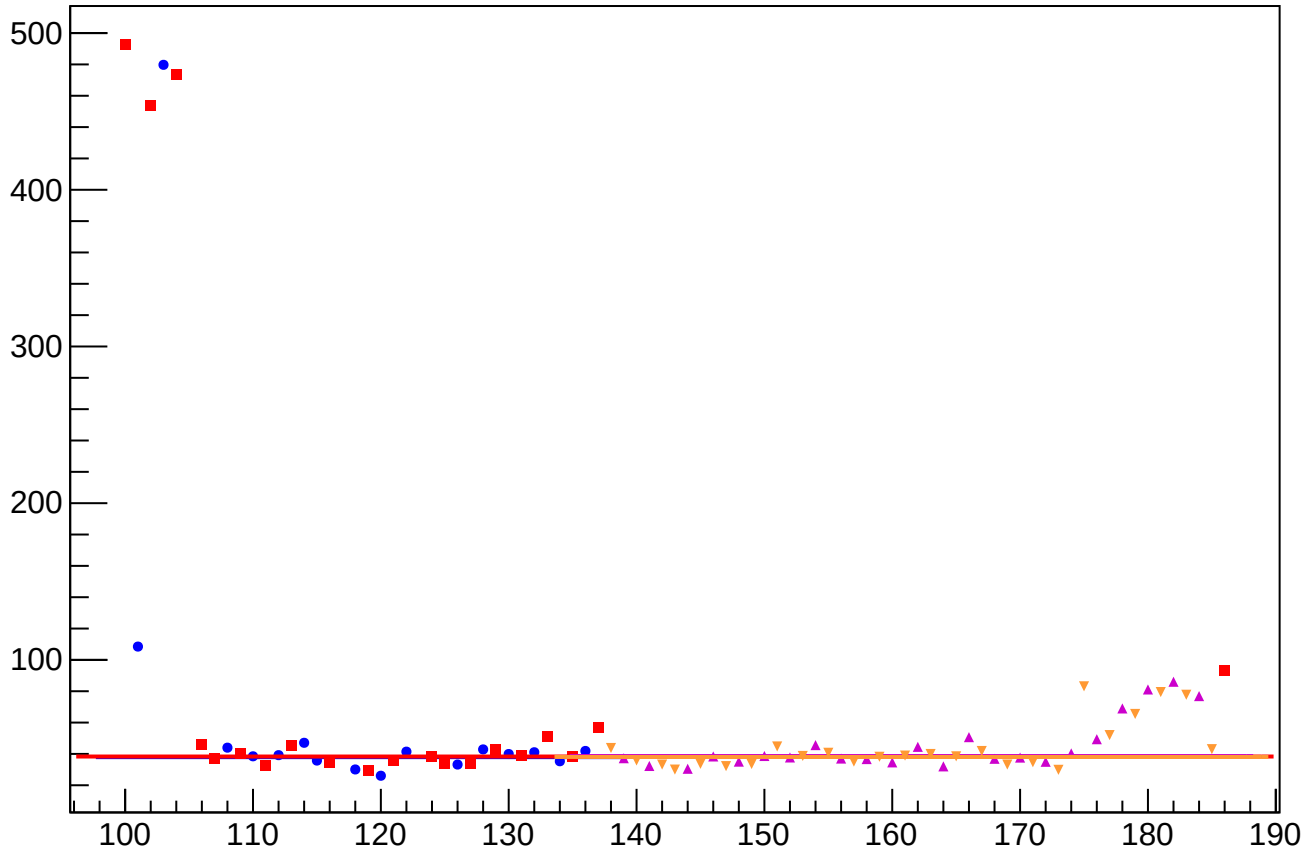
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 38.8/35

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.004+/-0.006 χ^2/NDF: 98.3/83



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

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

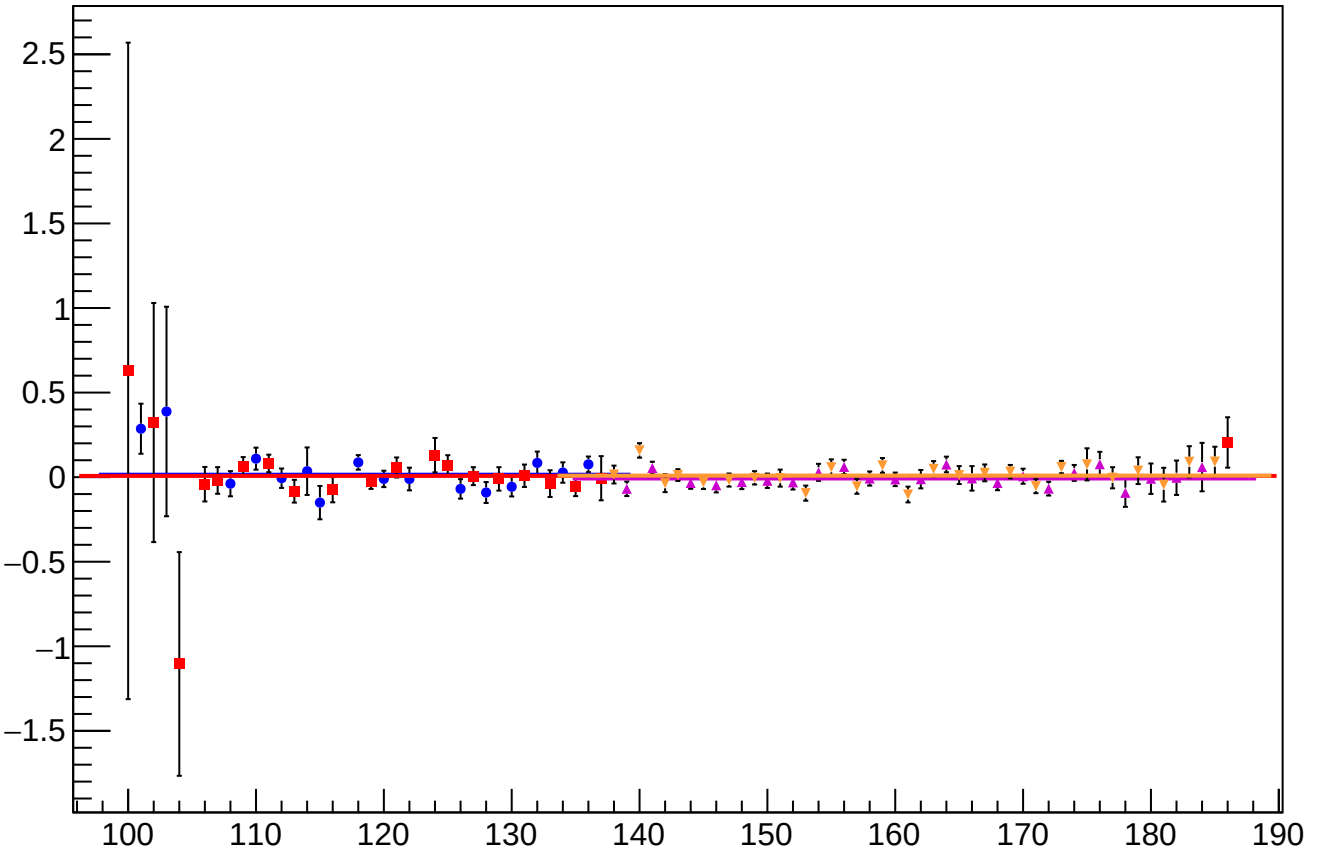
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.139+/-0.008 χ^2/NDF: 3962345.8/35

In: 38.438+/-0.006 χ^2/NDF:3470019.8/38

Out: 38.138+/-0.006 χ^2/NDF:4189599.0/44

All: 38.284+/-0.004 χ^2/NDF: 7660917.1/83



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

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

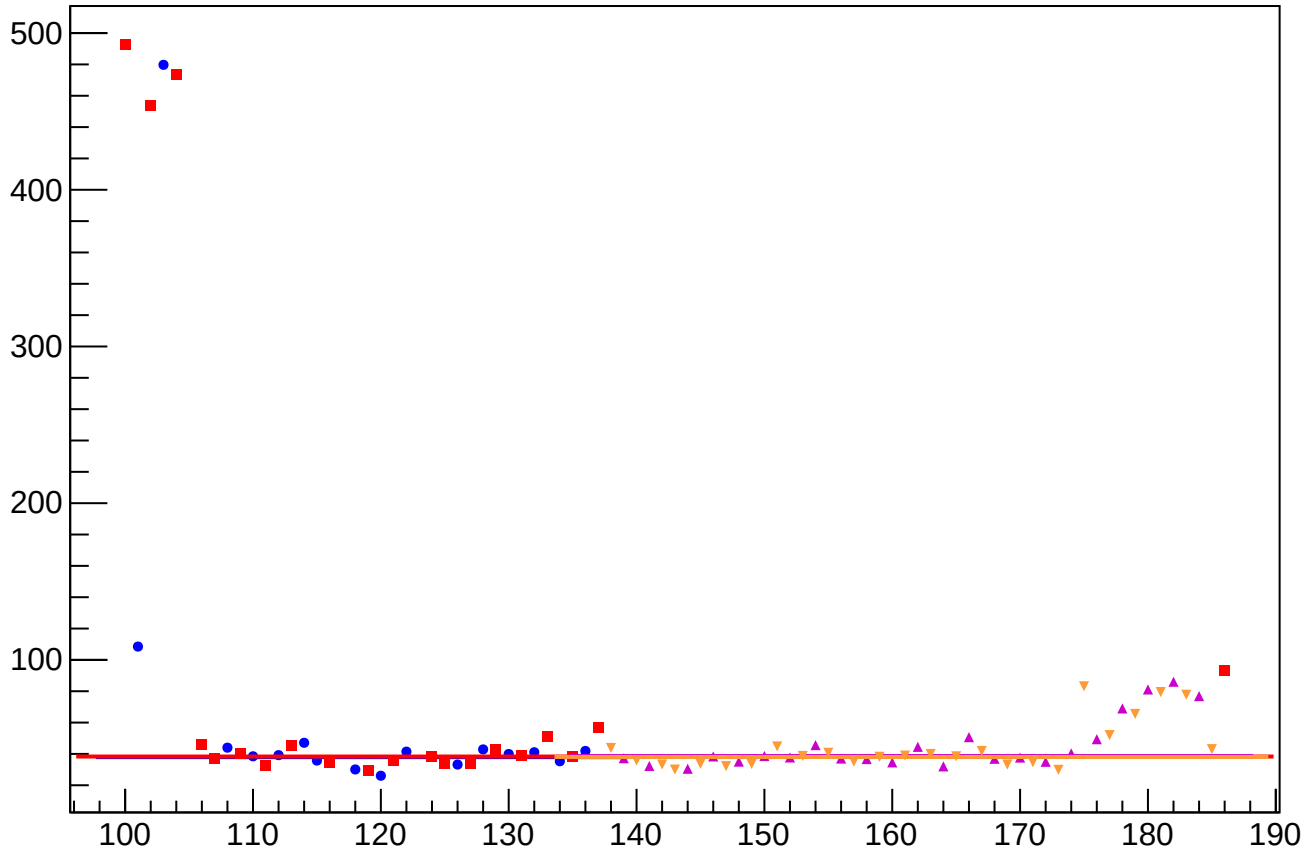
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 38.8/35

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.004+/-0.006 χ^2/NDF: 98.3/83



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

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

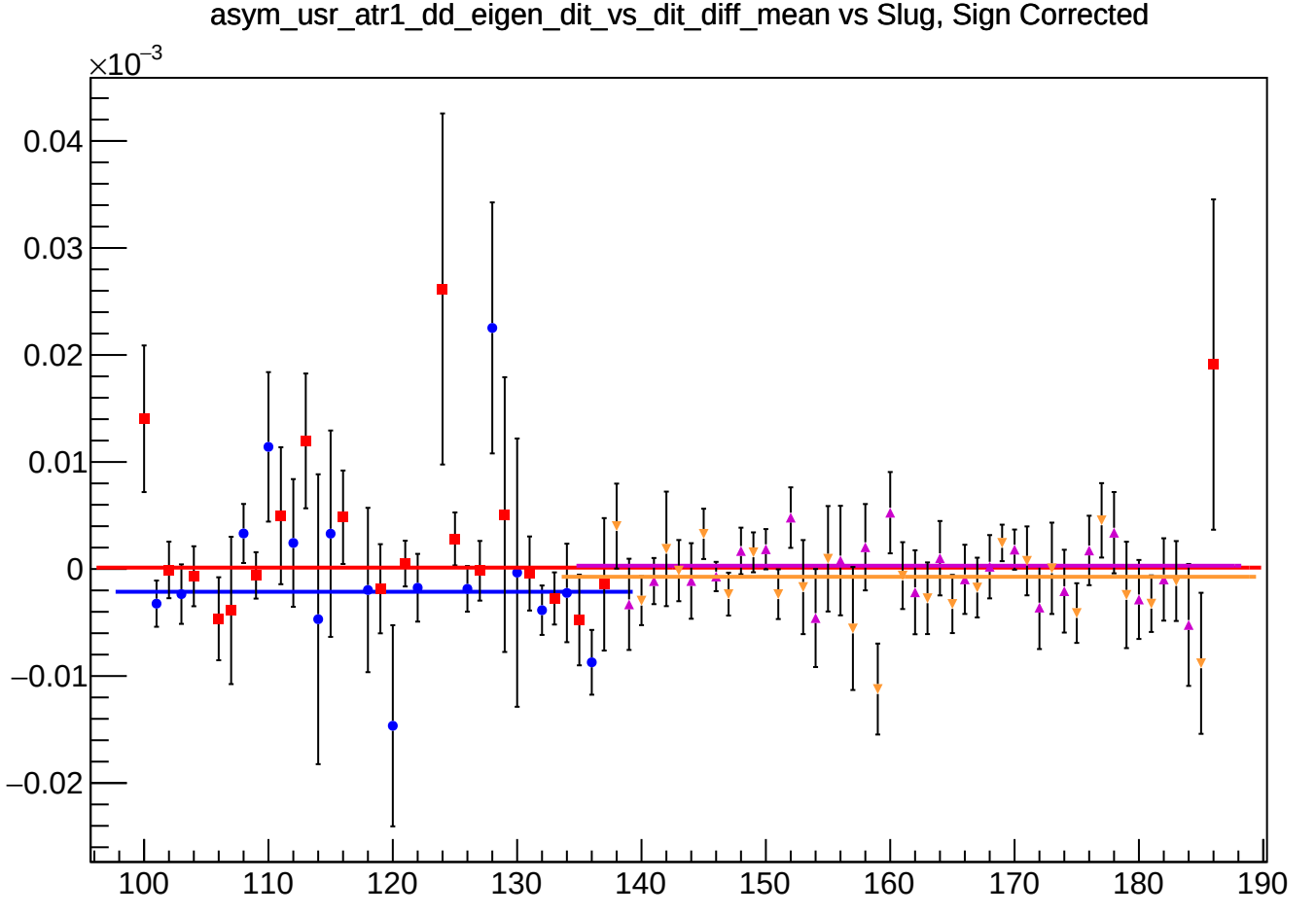
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.139+/-0.008 χ^2/NDF: 3962345.8/35

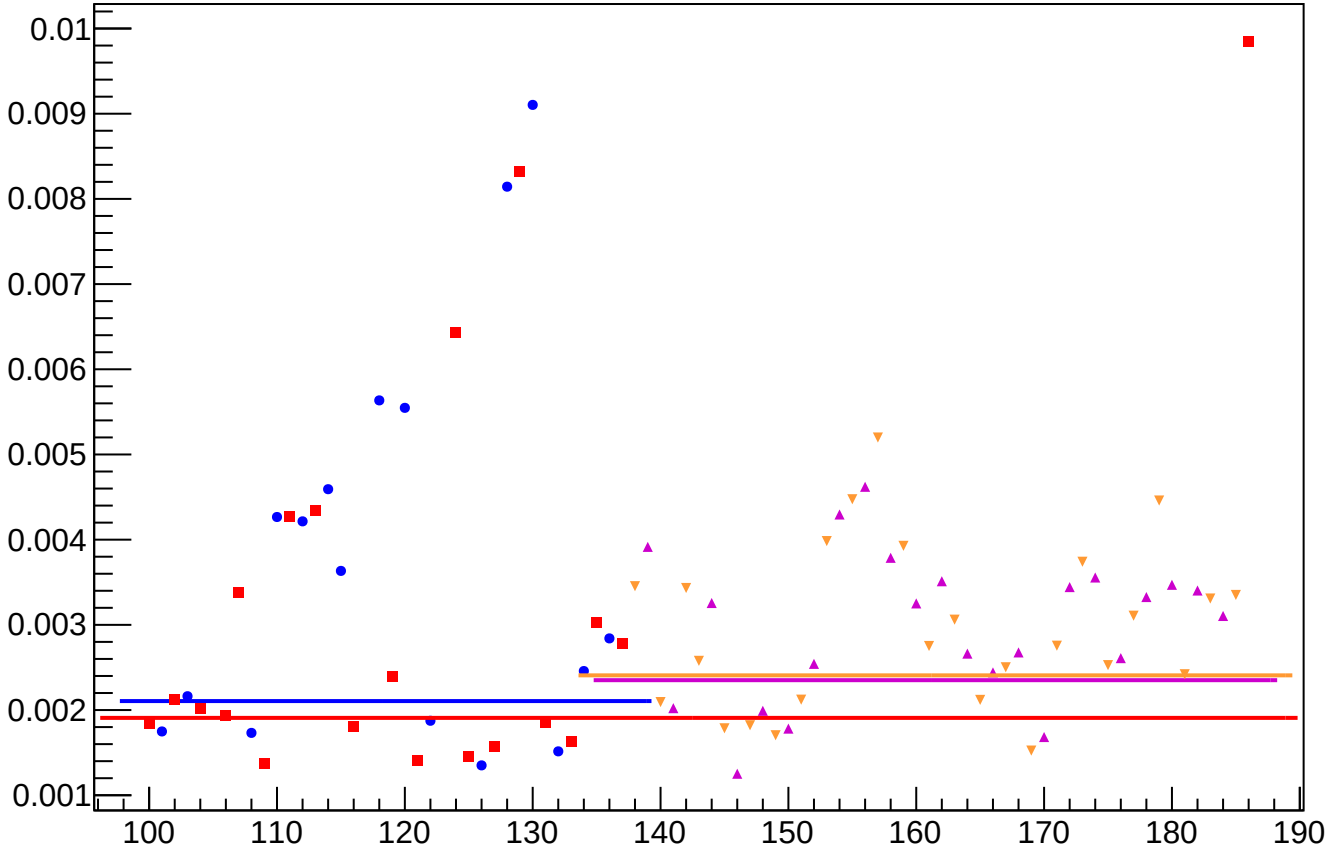
In: 38.438+/-0.006 χ^2/NDF:3470019.8/38

Out: 38.138+/-0.006 χ^2/NDF:4189599.0/44

All: 38.284+/-0.004 χ^2/NDF: 7660917.1/83


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: 20.4/15
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: 43.9/35
In: -0.000+/-0.000 χ²/NDF:39.3/38
Out: -0.000+/-0.000 χ²/NDF:47.2/44
All: -0.000+/-0.000 χ²/NDF: 86.5/83

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

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

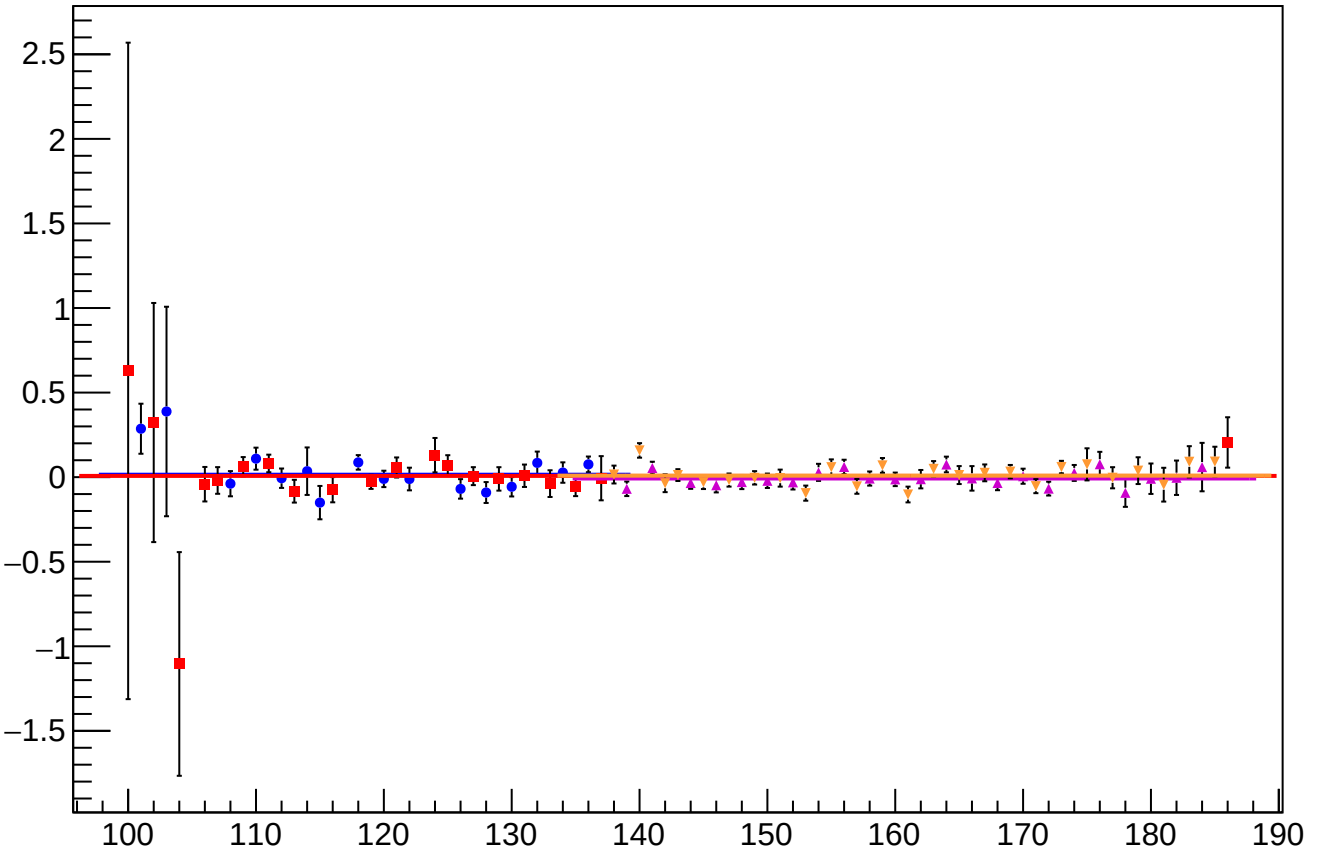
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 5494765.3/35

In: 0.002+/-0.000 χ^2/NDF:7559705.7/38

Out: 0.002+/-0.000 χ^2/NDF:6623797.9/44

All: 0.002+/-0.000 χ^2/NDF: 14192312.4/83



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

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

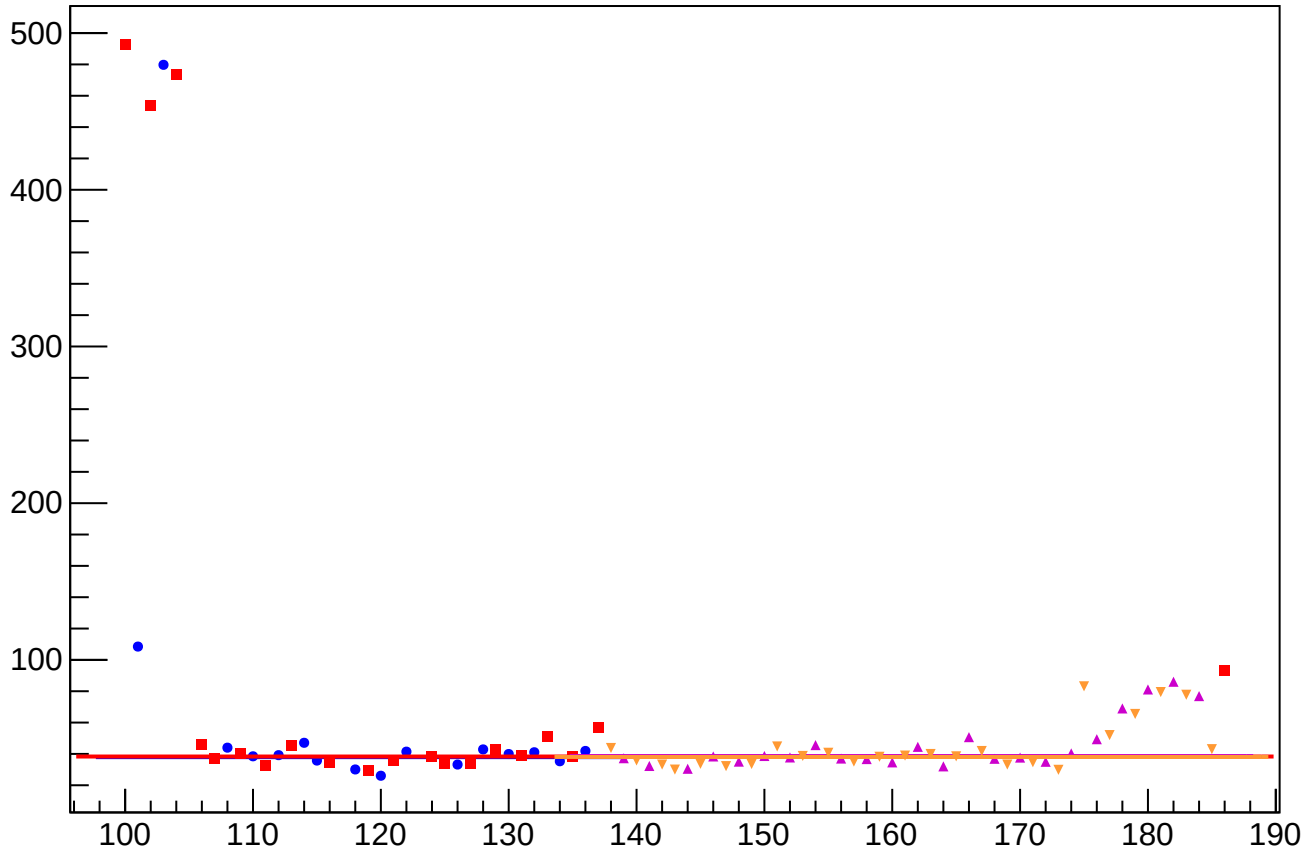
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 38.8/35

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.004+/-0.006 χ^2/NDF: 98.3/83



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

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

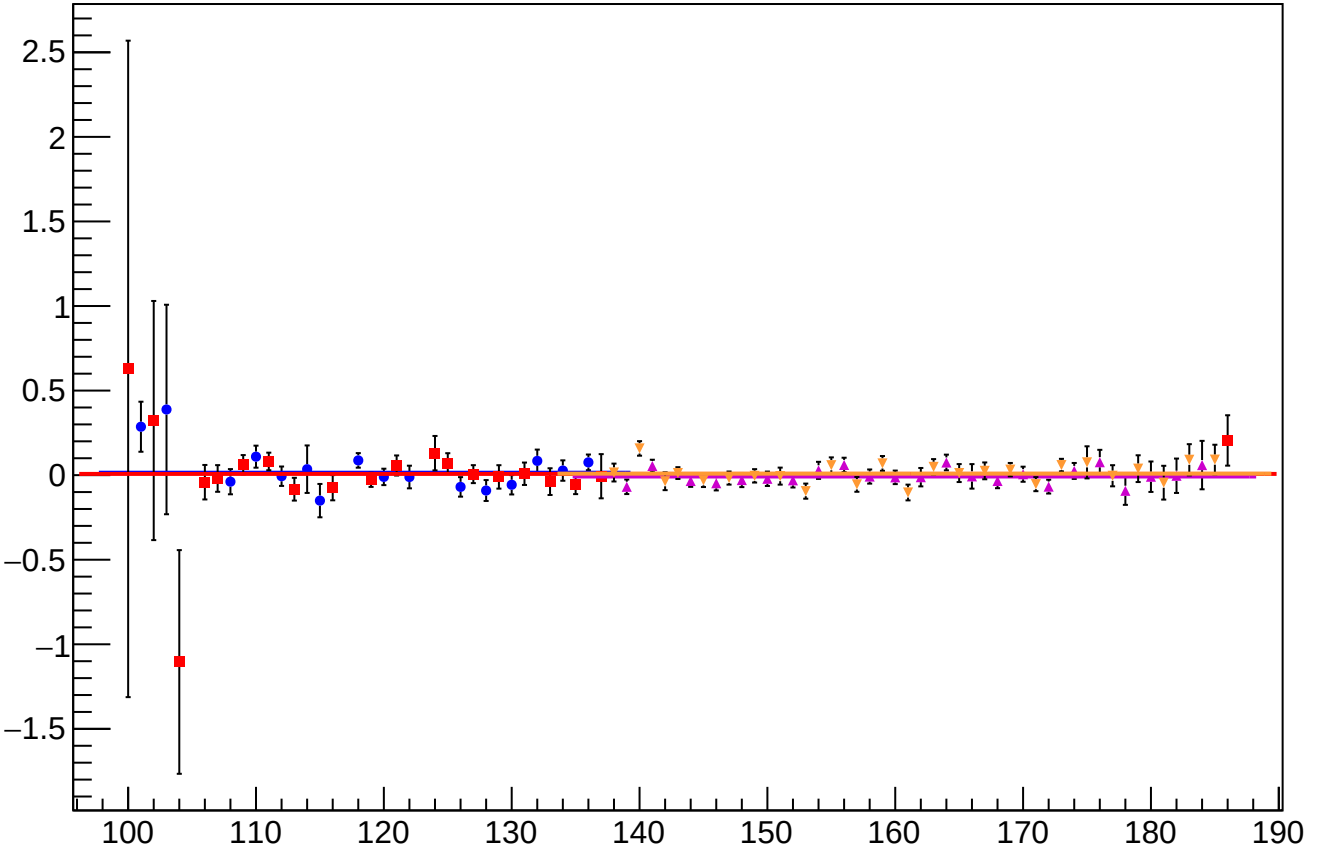
Right: 38.138+/-0.008 χ^2/NDF: 3962449.3/35

In: 38.437+/-0.006 χ^2/NDF:3470067.5/38

Out: 38.138+/-0.006 χ^2/NDF:4189685.2/44

All: 38.284+/-0.004 χ^2/NDF: 7661051.5/83

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.009+/-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

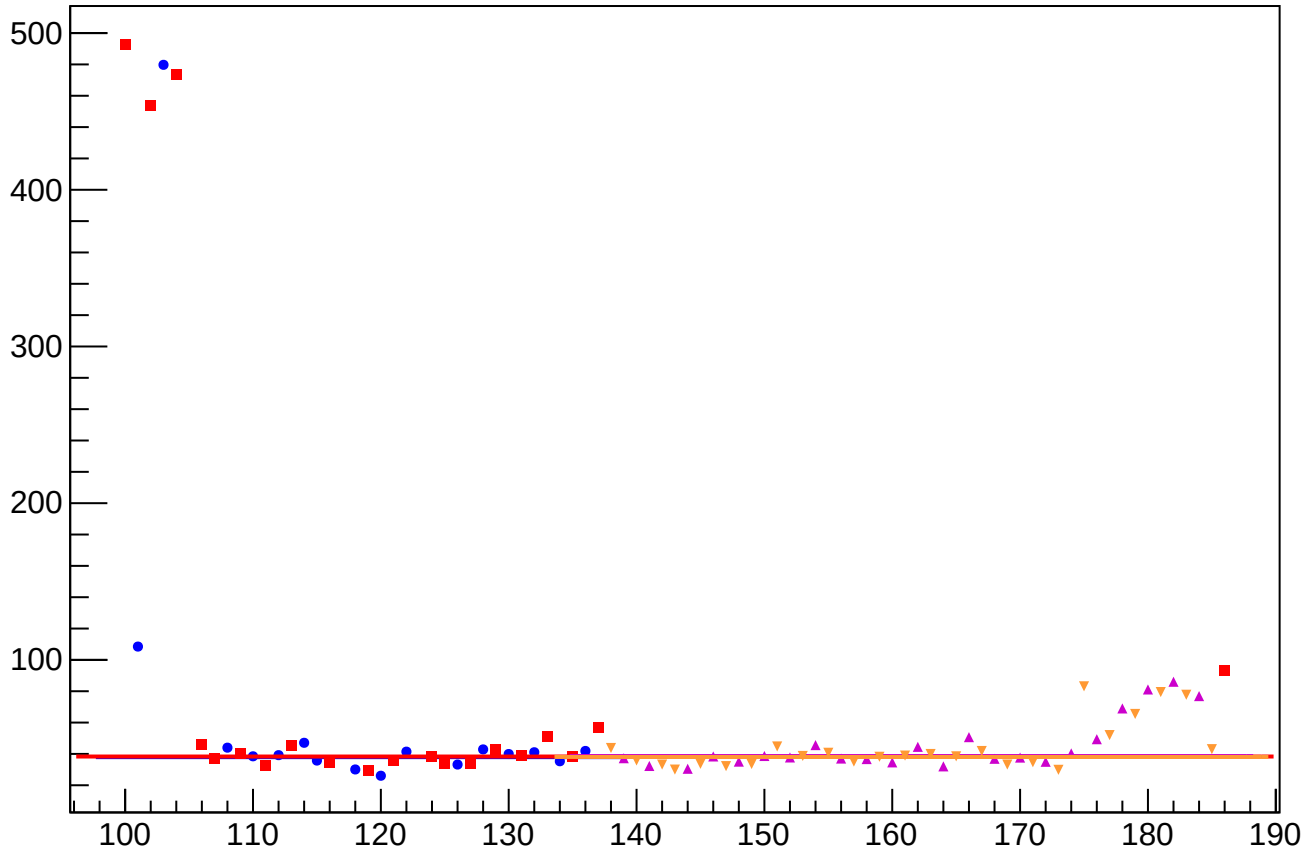
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 38.8/35

In: -0.002+/-0.008 χ^2/NDF:42.3/38

Out: 0.008+/-0.008 χ^2/NDF:55.3/44

All: 0.004+/-0.006 χ^2/NDF: 98.3/83



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

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

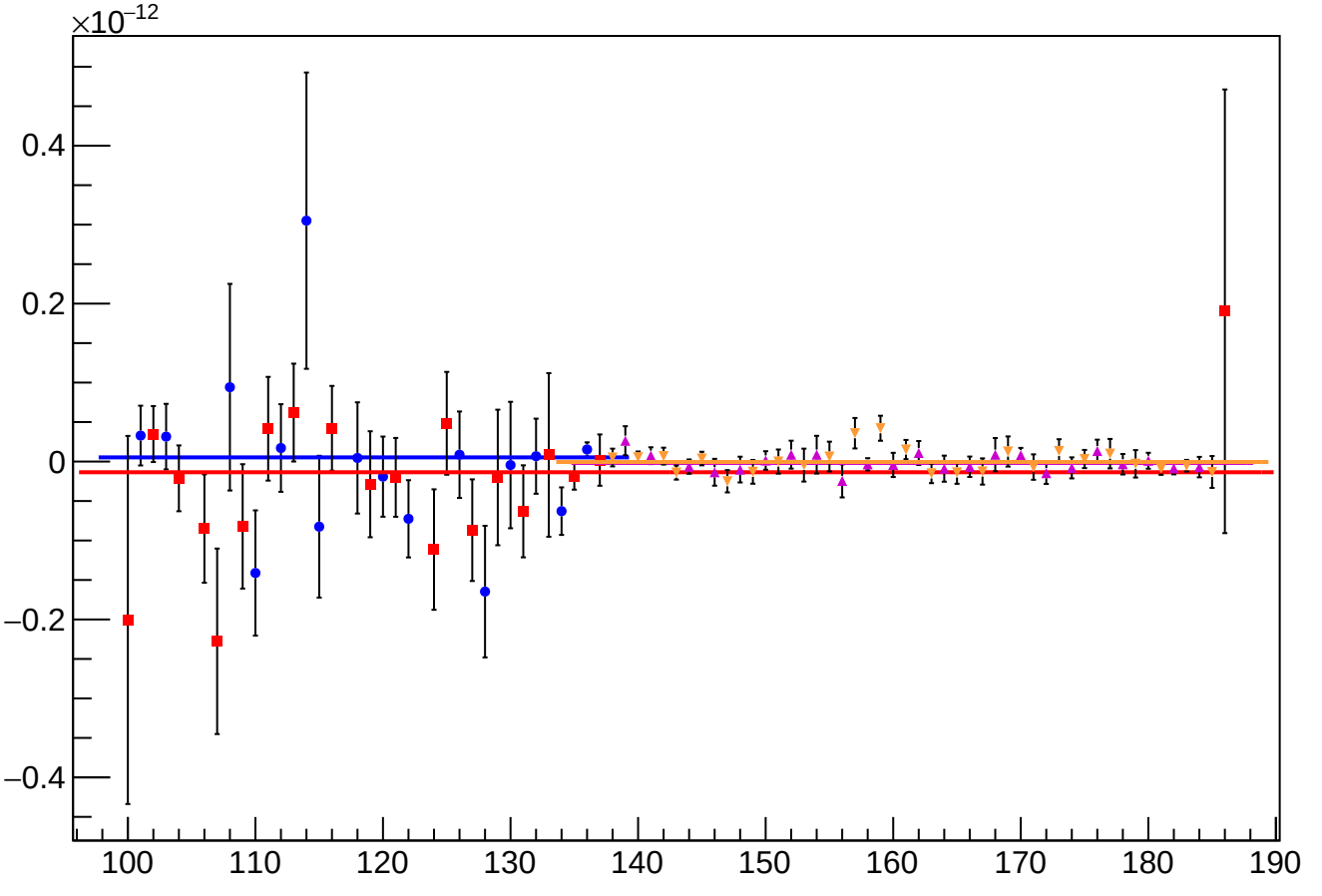
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.138+/-0.008 χ^2/NDF: 3962449.3/35

In: 38.437+/-0.006 χ^2/NDF:3470067.5/38

Out: 38.138+/-0.006 χ^2/NDF:4189685.2/44

All: 38.284+/-0.004 χ^2/NDF: 7661051.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

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

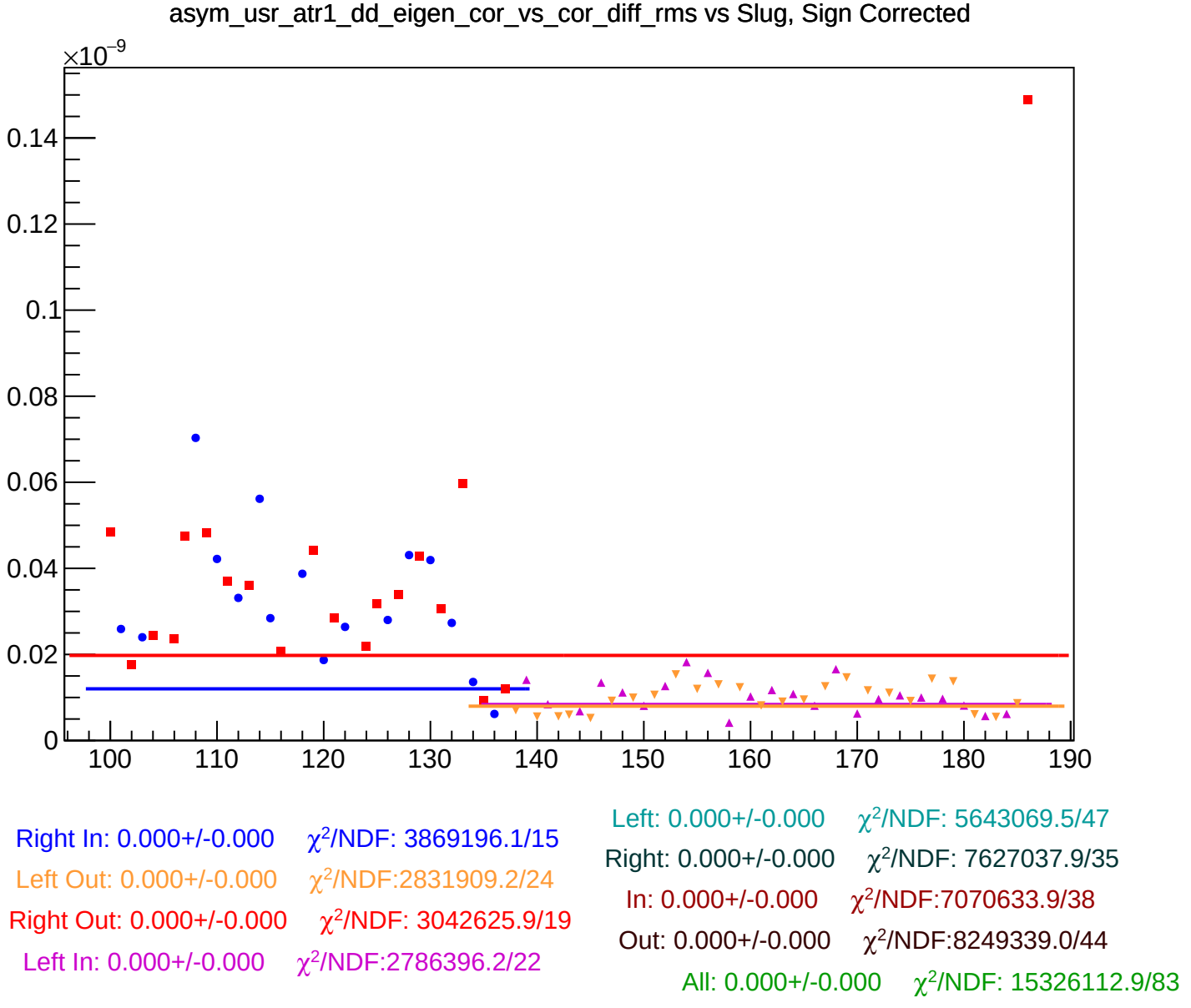
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.3/35

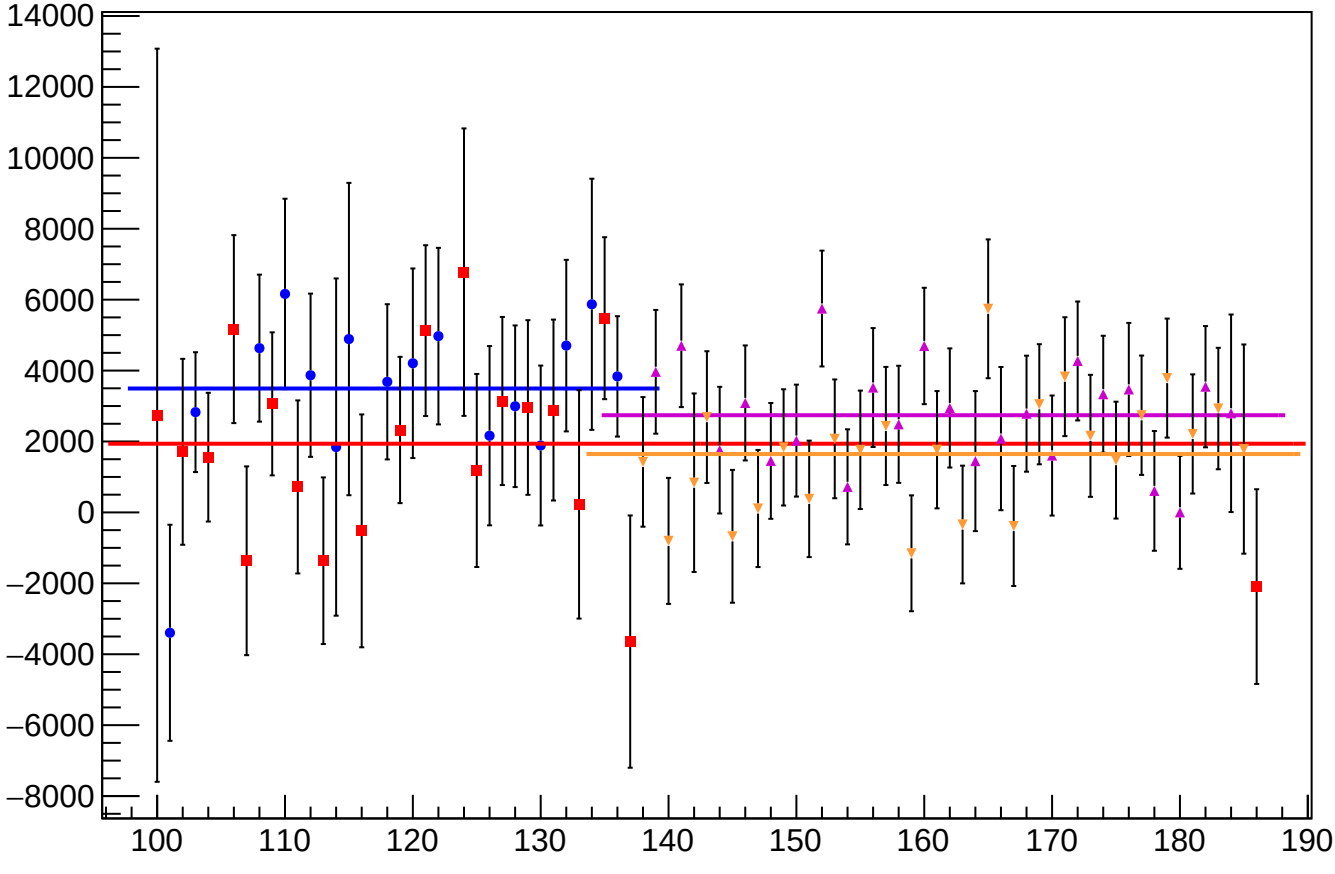
In: -0.000+/-0.000 χ^2/NDF:34.0/38

Out: -0.000+/-0.000 χ^2/NDF:44.9/44

All: -0.000+/-0.000 χ^2/NDF: 78.9/83


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: 3869196.1/15
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: 7627037.9/35
In: 0.000+/-0.000 χ²/NDF:7070633.9/38
Out: 0.000+/-0.000 χ²/NDF:8249339.0/44
All: 0.000+/-0.000 χ²/NDF: 15326112.9/83

reg_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

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

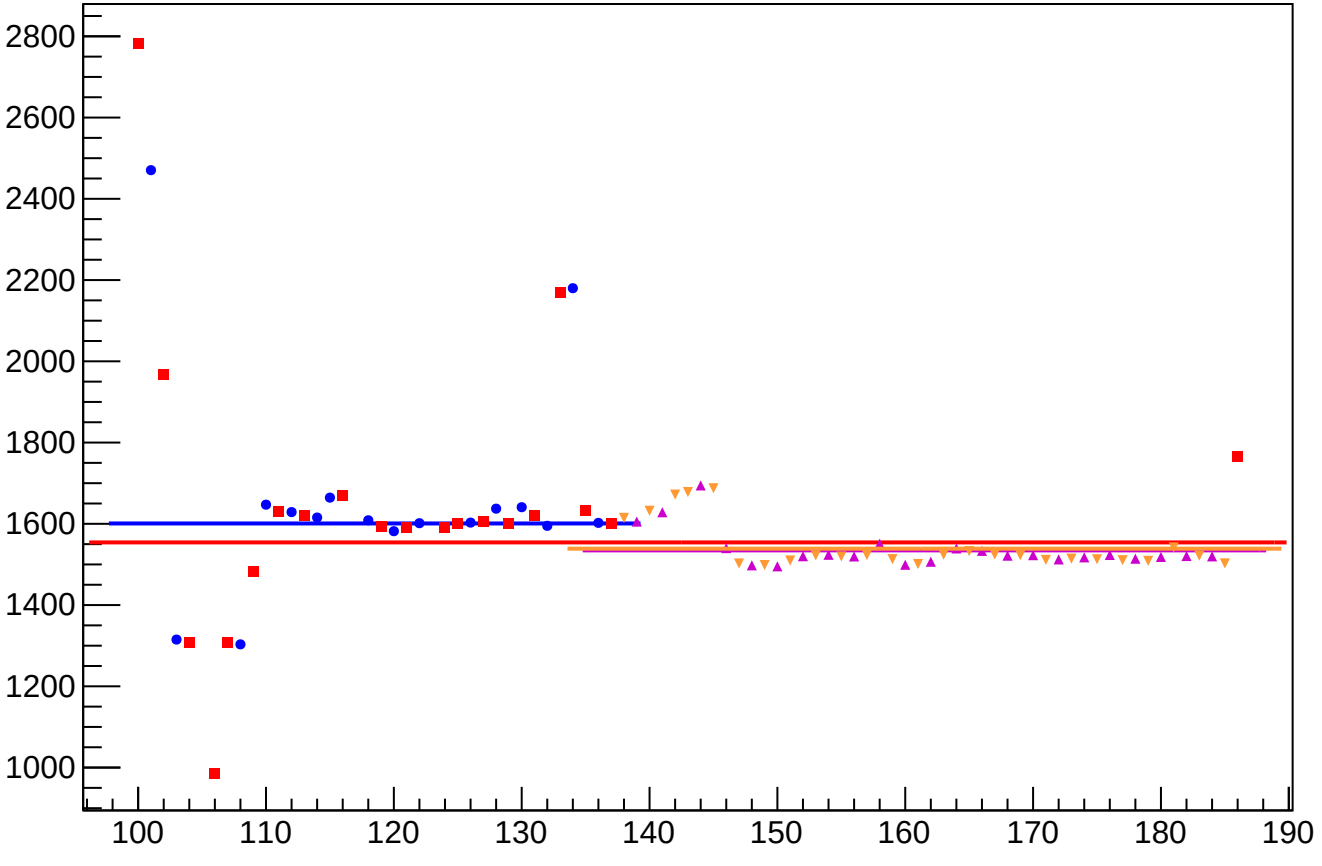
Right: 2680.595+/-415.386 χ^2/NDF: 29.6/35

In: 2938.537+/-307.883 χ^2/NDF:26.4/38

Out: 1725.010+/-298.764 χ^2/NDF:38.6/44

All: 2313.535+/-214.409 χ^2/NDF: 73.0/83

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

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

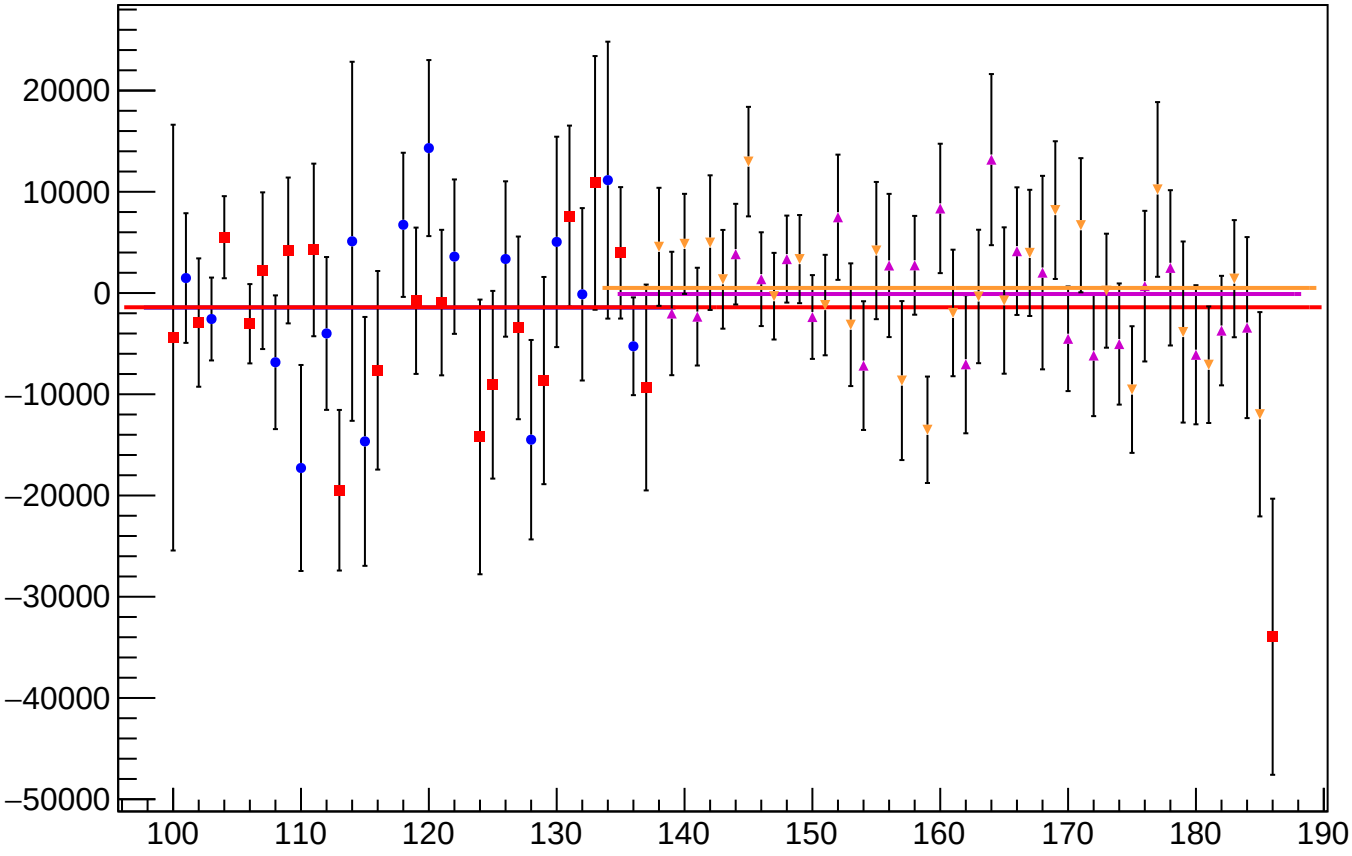
Right: 1576.113+/-0.291 χ^2/NDF: 712408.4/35

In: 1551.994+/-0.218 χ^2/NDF:366460.4/38

Out: 1543.070+/-0.210 χ^2/NDF:436726.1/44

All: 1547.378+/-0.151 χ^2/NDF: 804055.6/83

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

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

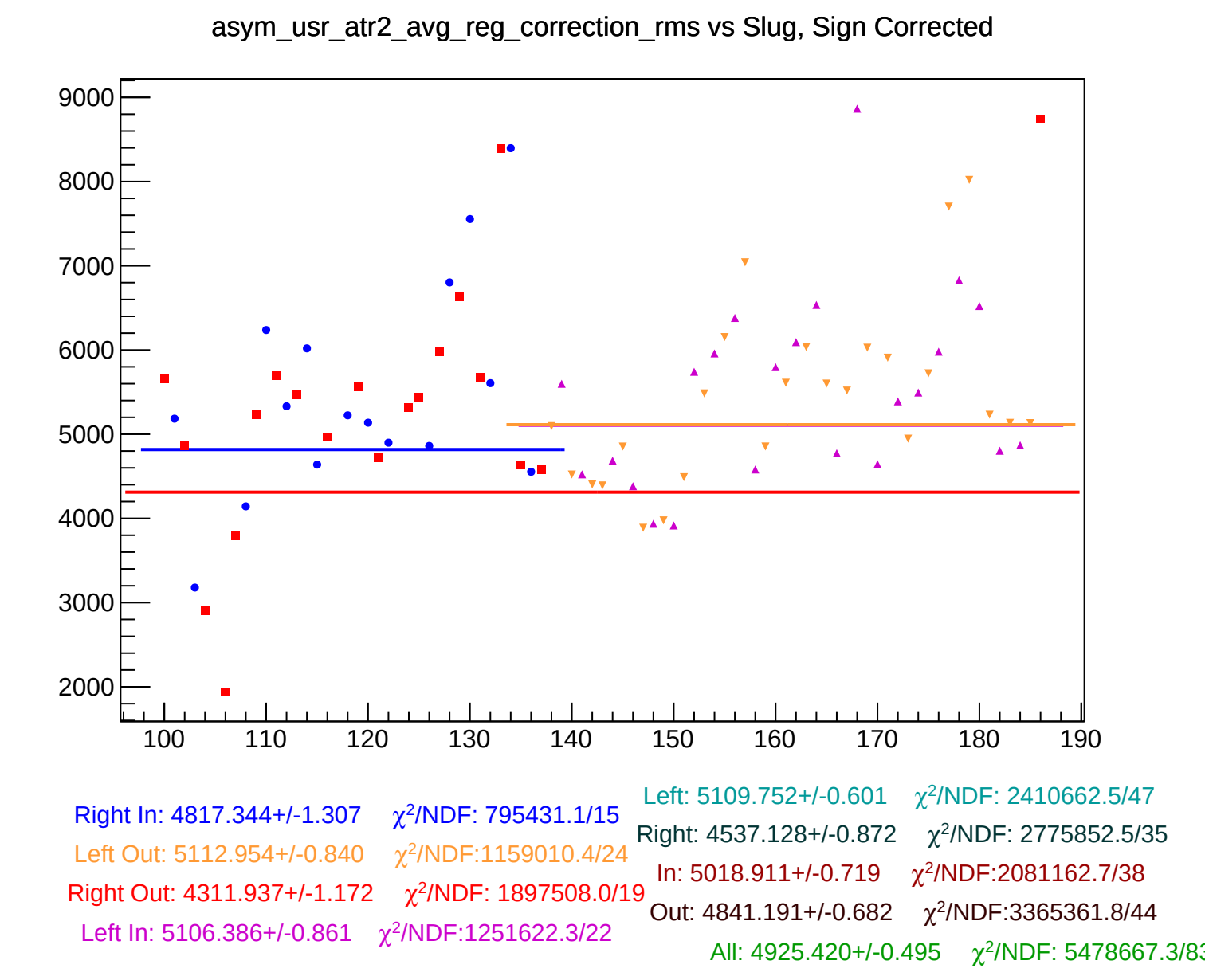
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1419.997+/-1233.742 χ^2/NDF: 35.0/35

In: -503.202+/-1016.785 χ^2/NDF:29.1/38

Out: -144.193+/-965.102 χ^2/NDF:48.8/44

All: -314.341+/-699.988 χ^2/NDF: 78.0/83


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
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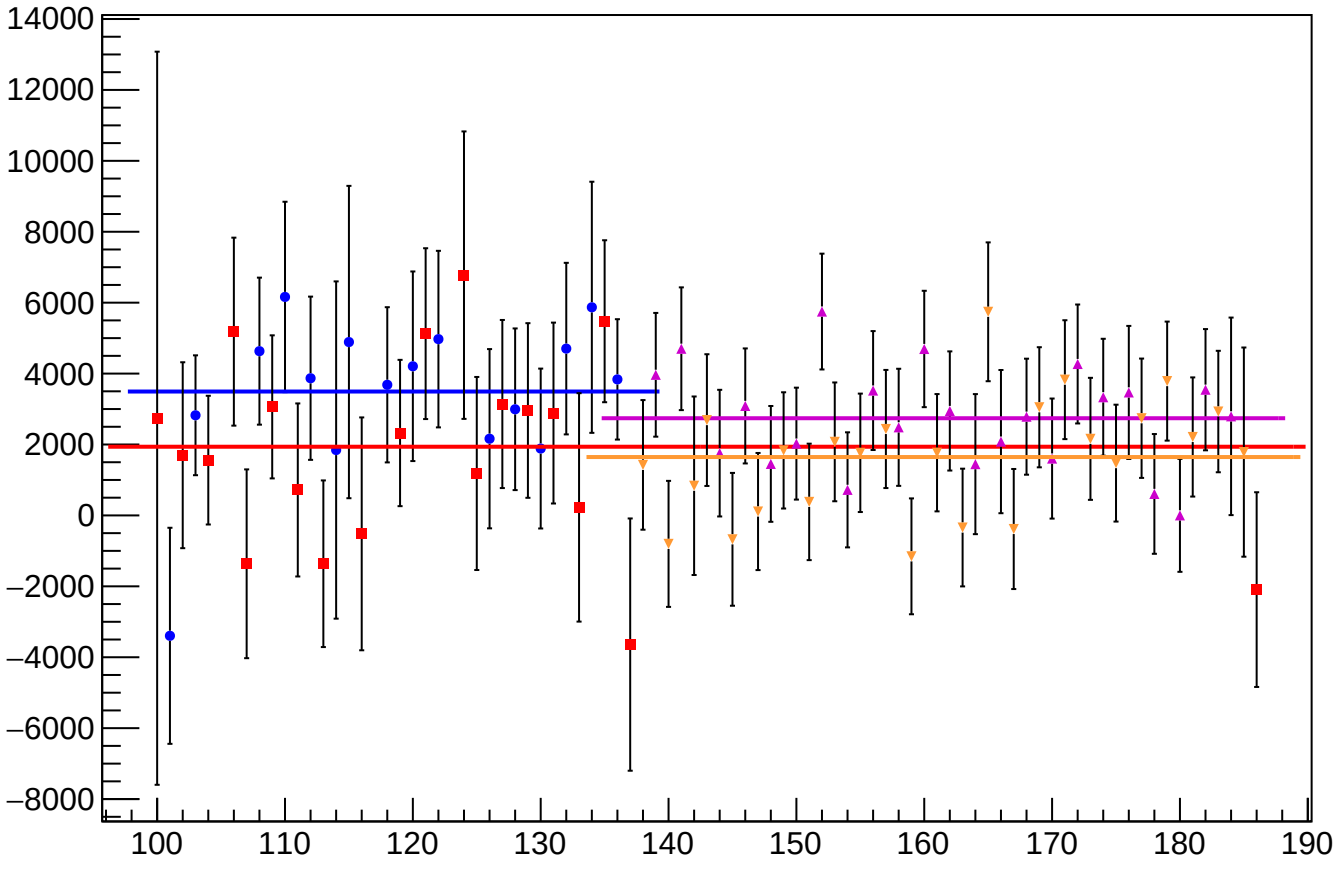
160
170
180
190
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 4311.937+/-1.172 χ²/NDF: 1897508.0/19
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 4537.128+/-0.872 χ²/NDF: 2775852.5/35
In: 5018.911+/-0.719 χ²/NDF:2081162.7/38
Out: 4841.191+/-0.682 χ²/NDF:3365361.8/44
All: 4925.420+/-0.495 χ²/NDF: 5478667.3/83



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

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

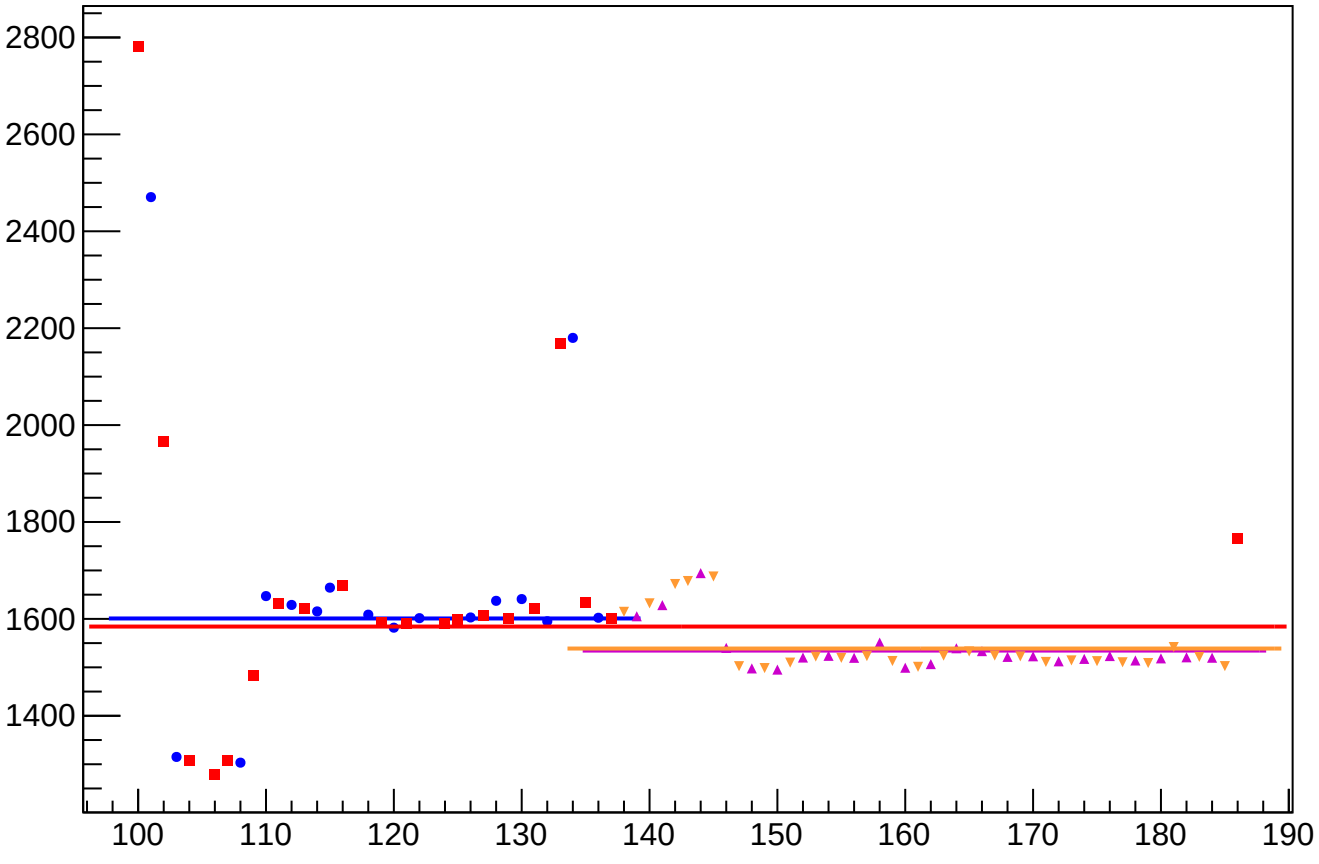
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2680.437+/-415.387 χ^2/NDF: 29.7/35

In: 2938.376+/-307.883 χ^2/NDF:26.4/38

Out: 1724.930+/-298.764 χ^2/NDF:38.6/44

All: 2313.416+/-214.409 χ^2/NDF: 73.0/83



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

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

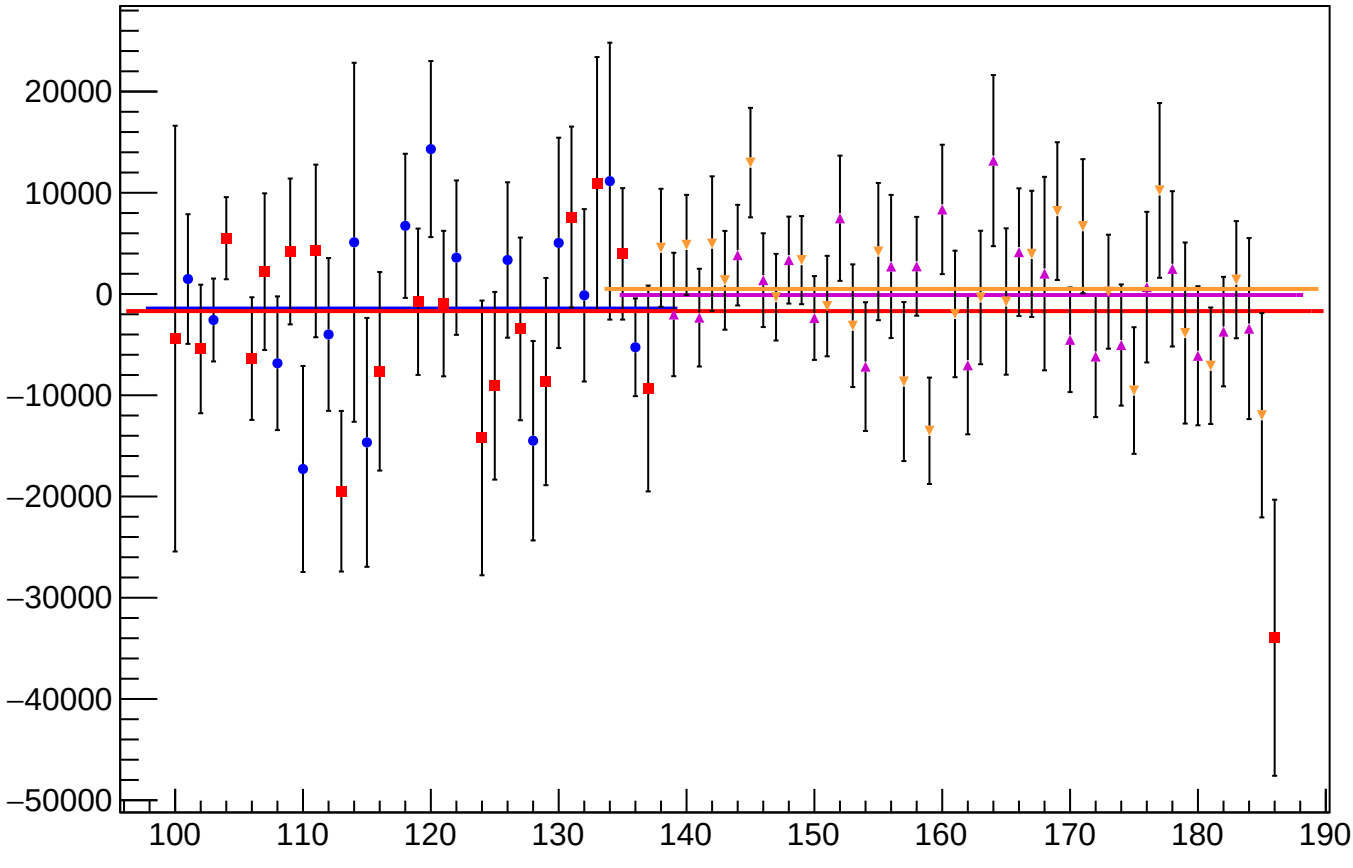
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1592.121+/-0.293 χ^2/NDF: 570760.4/35

In: 1551.994+/-0.218 χ^2/NDF:366459.7/38

Out: 1551.143+/-0.211 χ^2/NDF:308741.8/44

All: 1551.555+/-0.152 χ^2/NDF: 675209.4/83



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

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

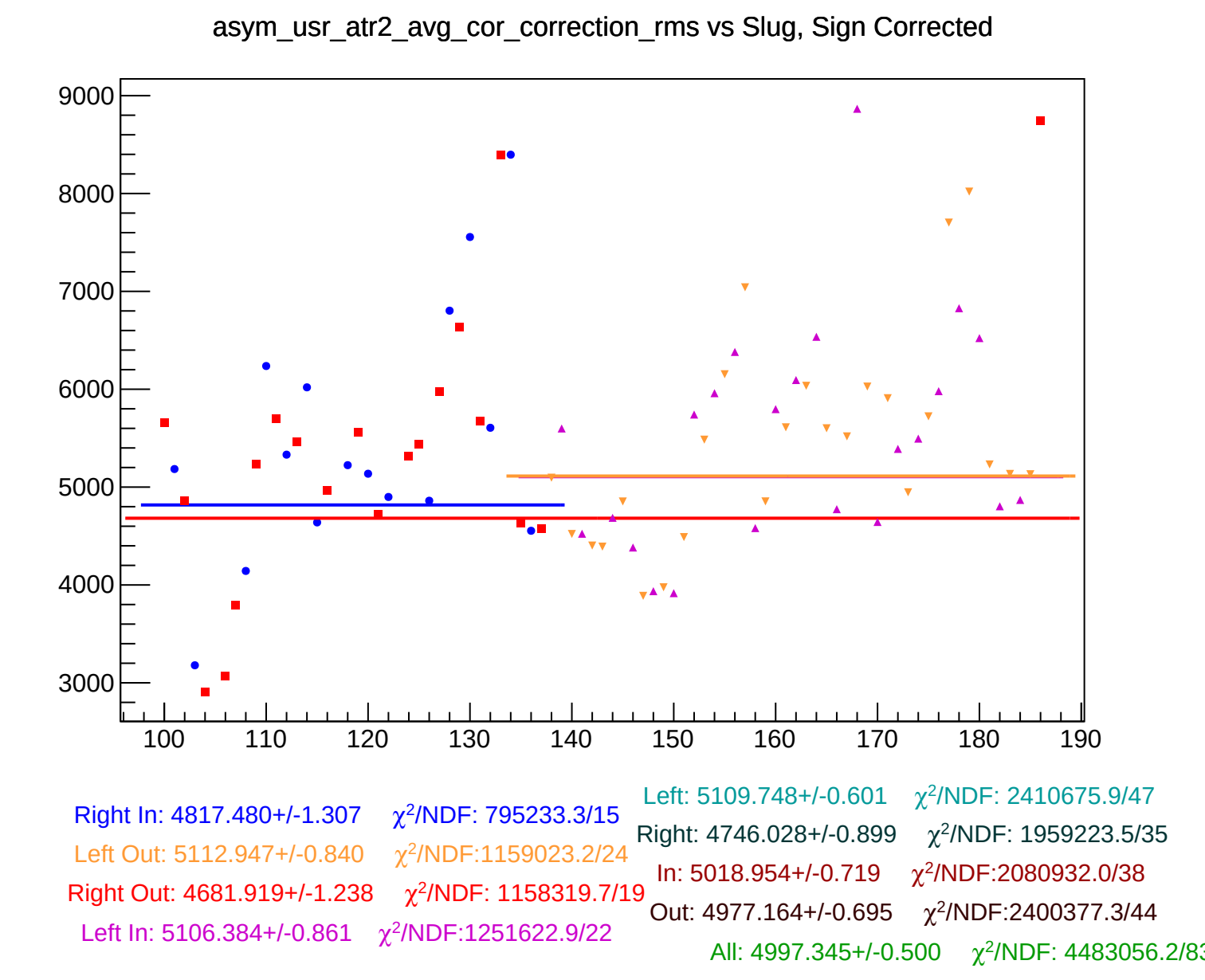
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1568.942+/-1271.071 χ^2/NDF: 35.8/35

In: -503.278+/-1016.791 χ^2/NDF:29.1/38

Out: -186.316+/-982.652 χ^2/NDF:49.8/44

All: -339.387+/-706.601 χ^2/NDF: 79.0/83


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
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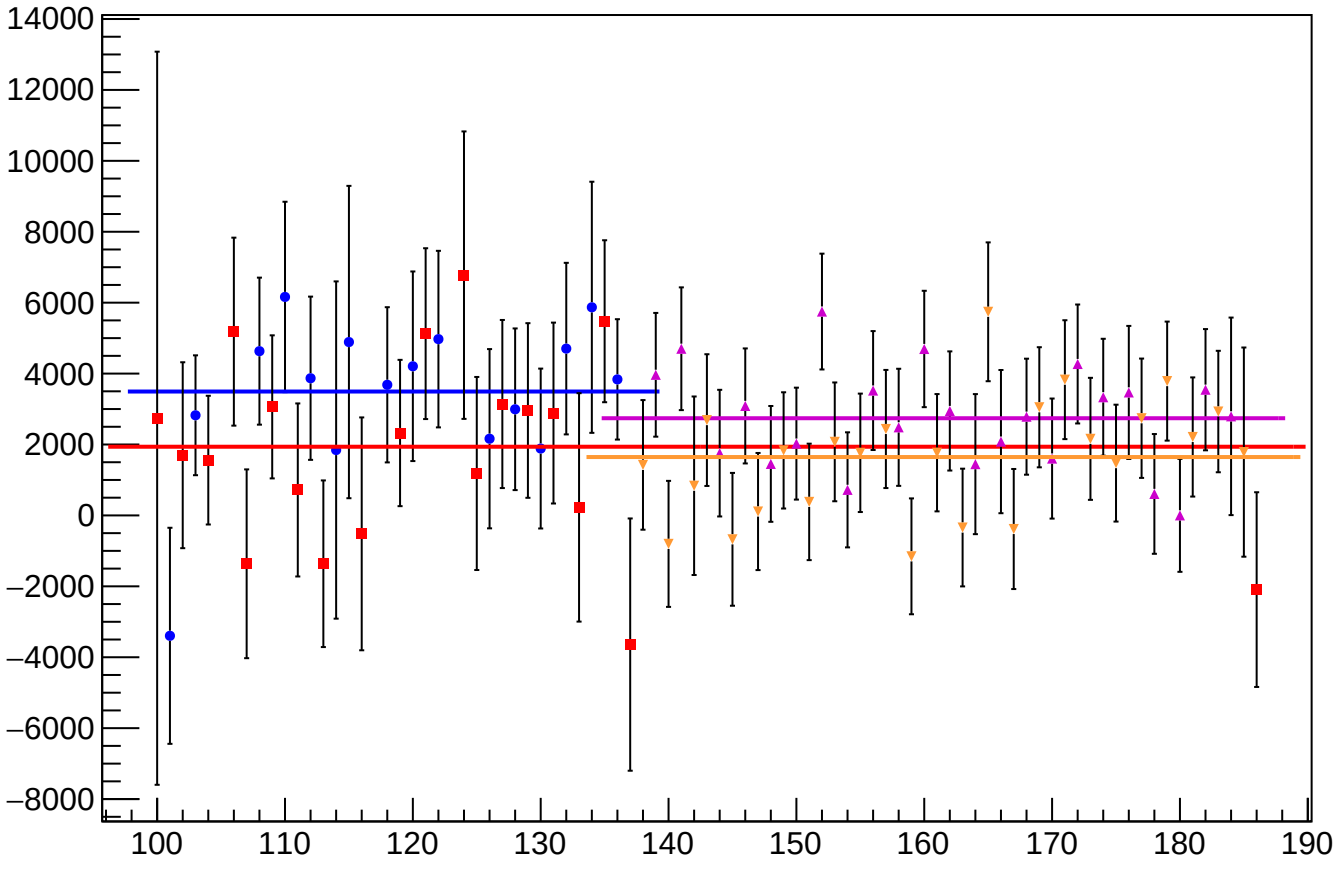
150
160
170
180
190
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 4681.919+/-1.238 χ²/NDF: 1158319.7/19
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4746.028+/-0.899 χ²/NDF: 1959223.5/35
In: 5018.954+/-0.719 χ²/NDF:2080932.0/38
Out: 4977.164+/-0.695 χ²/NDF:2400377.3/44
All: 4997.345+/-0.500 χ²/NDF: 4483056.2/83



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

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

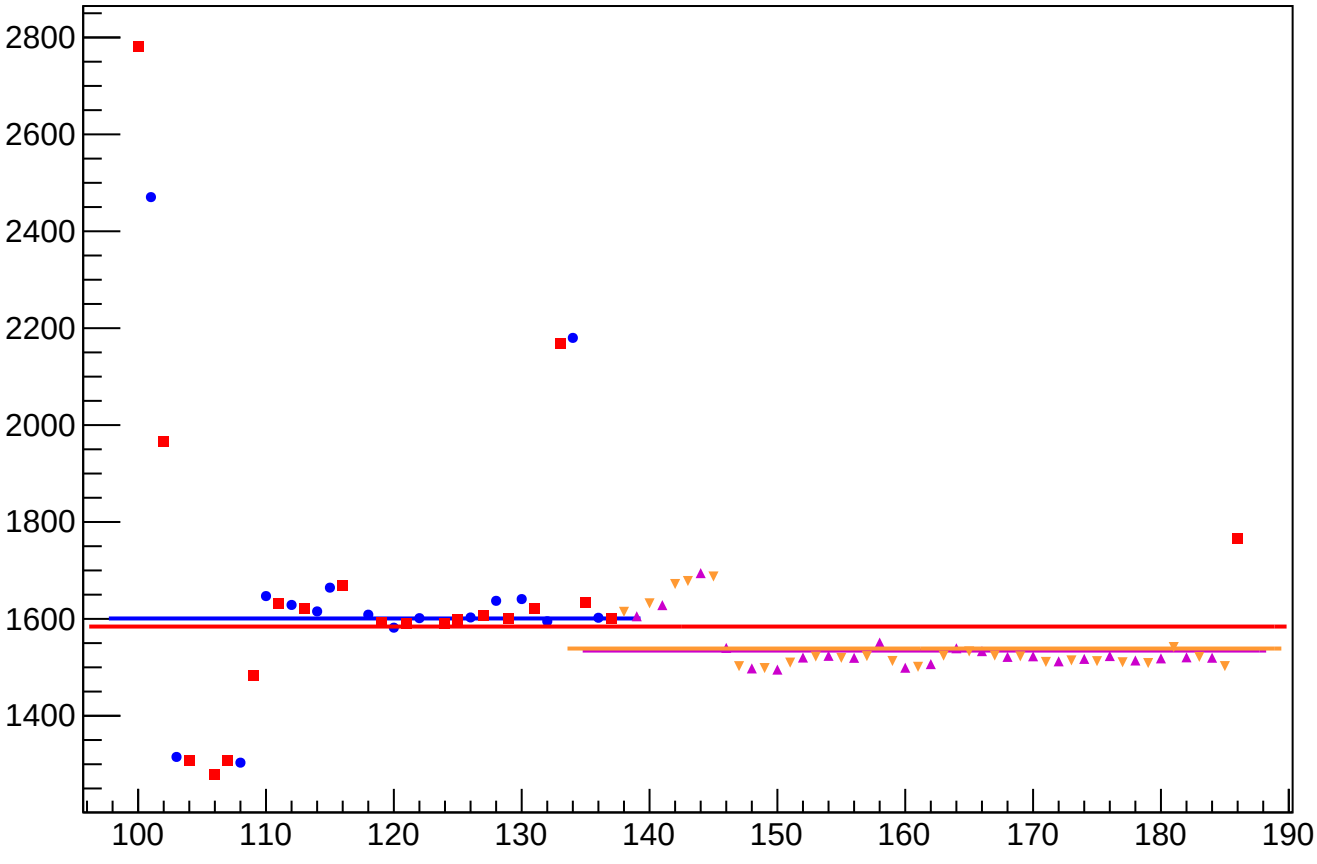
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2680.437+/-415.387 χ^2/NDF: 29.7/35

In: 2938.376+/-307.883 χ^2/NDF:26.4/38

Out: 1724.930+/-298.764 χ^2/NDF:38.6/44

All: 2313.416+/-214.409 χ^2/NDF: 73.0/83



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

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

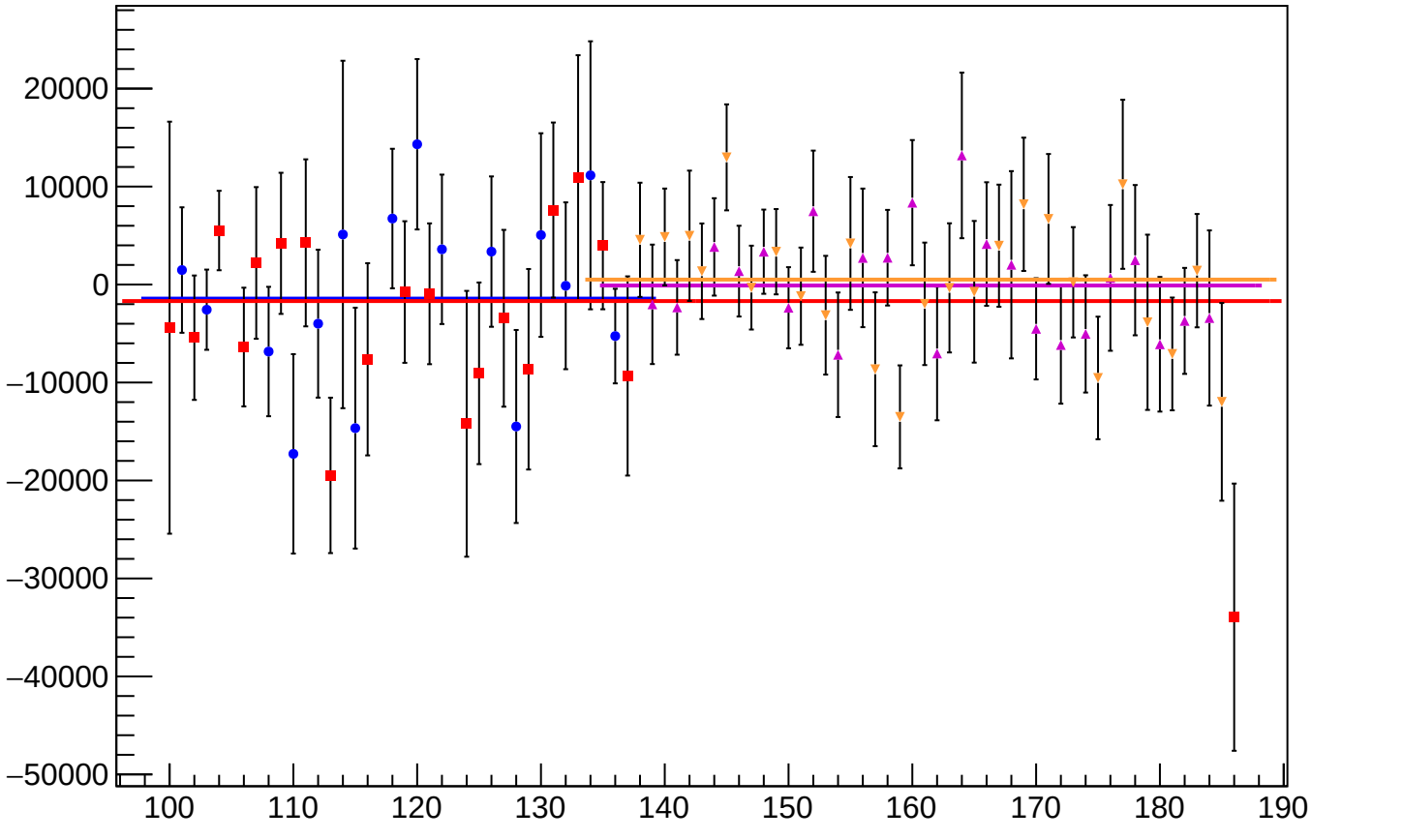
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1592.121+/-0.293 χ^2/NDF: 570760.4/35

In: 1551.994+/-0.218 χ^2/NDF:366459.7/38

Out: 1551.143+/-0.211 χ^2/NDF:308741.8/44

All: 1551.555+/-0.152 χ^2/NDF: 675209.4/83



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

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

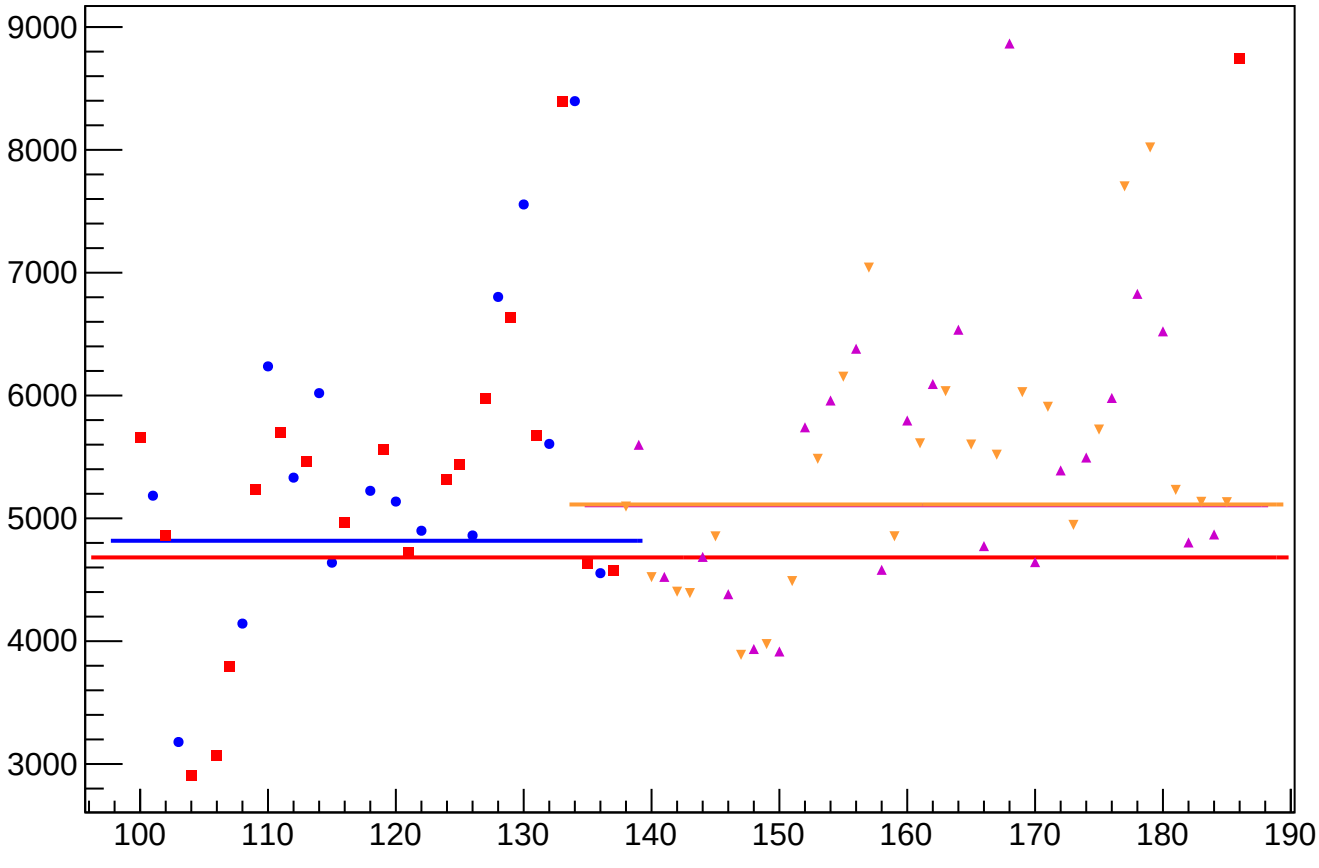
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1568.942+/-1271.071 χ^2/NDF: 35.8/35

In: -503.278+/-1016.791 χ^2/NDF:29.1/38

Out: -186.316+/-982.652 χ^2/NDF:49.8/44

All: -339.387+/-706.601 χ^2/NDF: 79.0/83



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

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

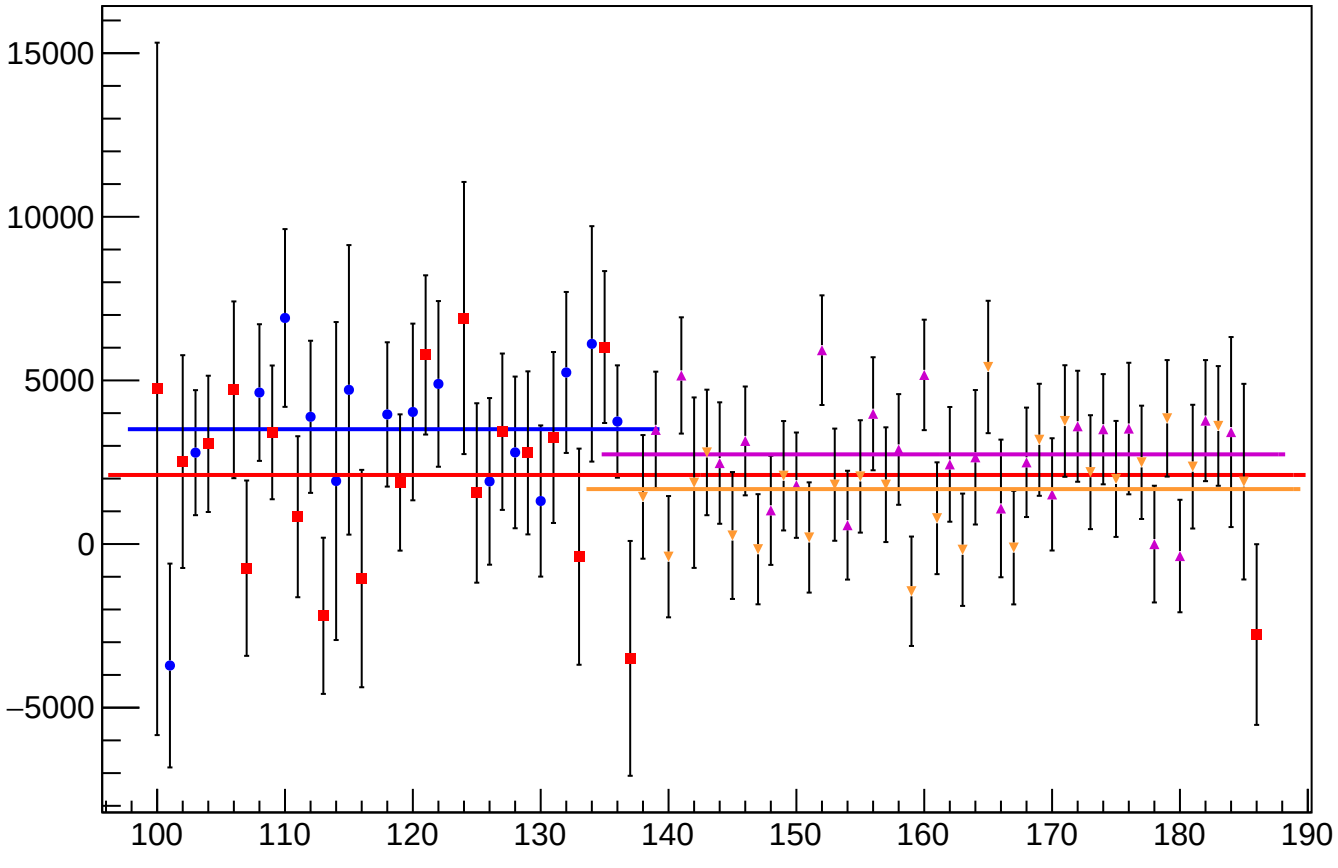
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 4746.028+/-0.899 χ^2/NDF: 1959223.5/35

In: 5018.954+/-0.719 χ^2/NDF:2080932.0/38

Out: 4977.164+/-0.695 χ^2/NDF:2400377.3/44

All: 4997.345+/-0.500 χ^2/NDF: 4483056.2/83



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

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

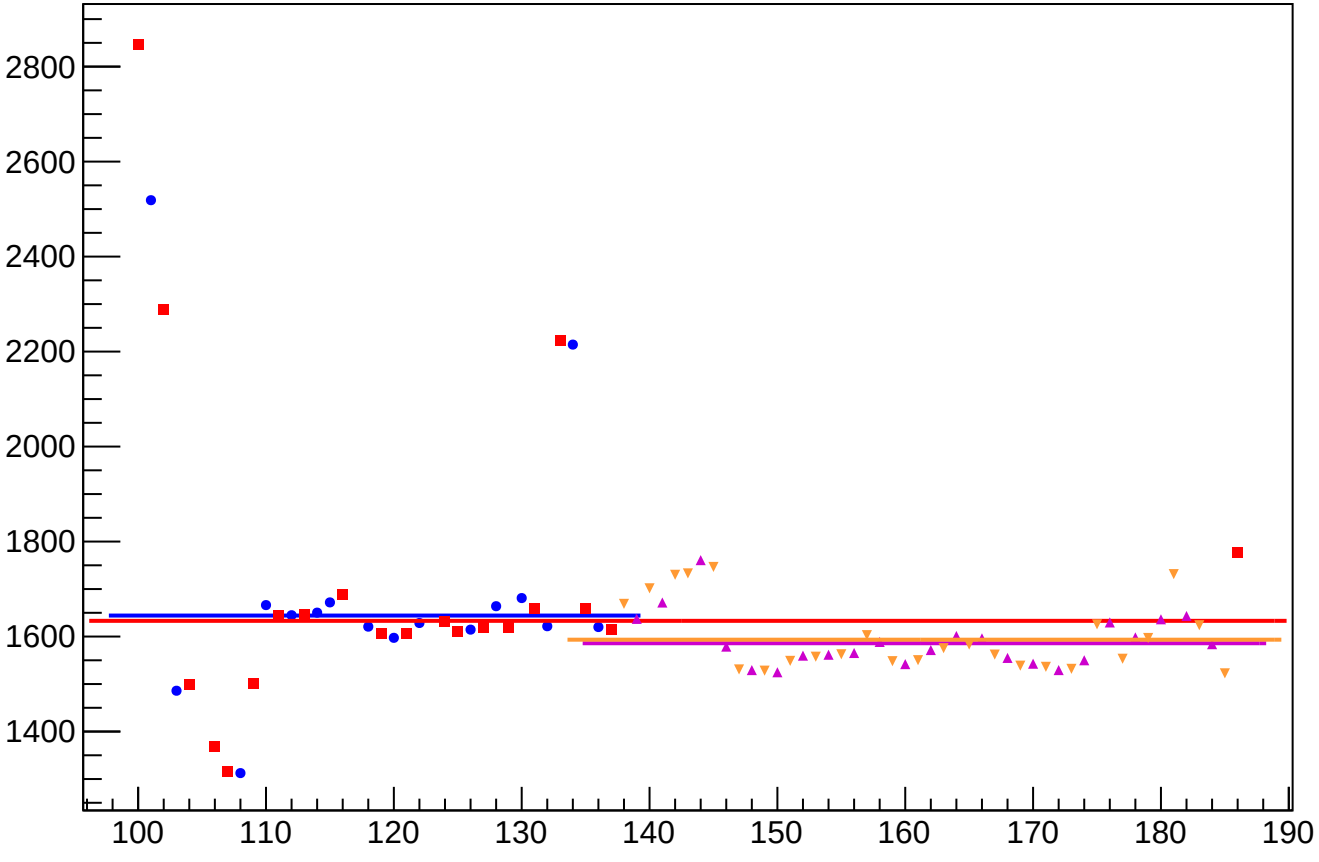
Right: 2783.061+/-427.571 χ^2/NDF: 33.4/35

In: 2944.644+/-317.661 χ^2/NDF:30.7/38

Out: 1796.423+/-309.265 χ^2/NDF:39.7/44

All: 2355.159+/-221.592 χ^2/NDF: 77.1/83

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

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

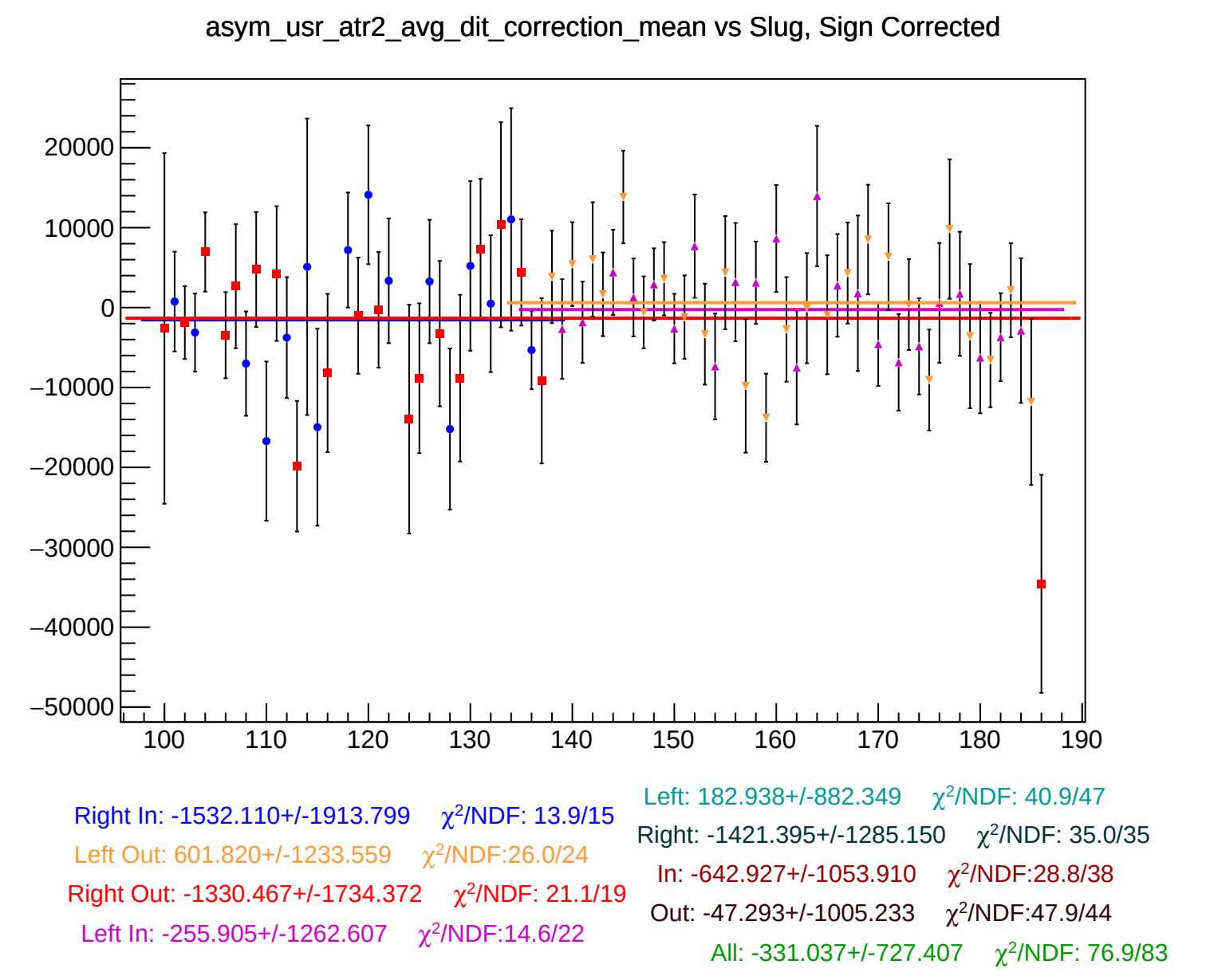
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

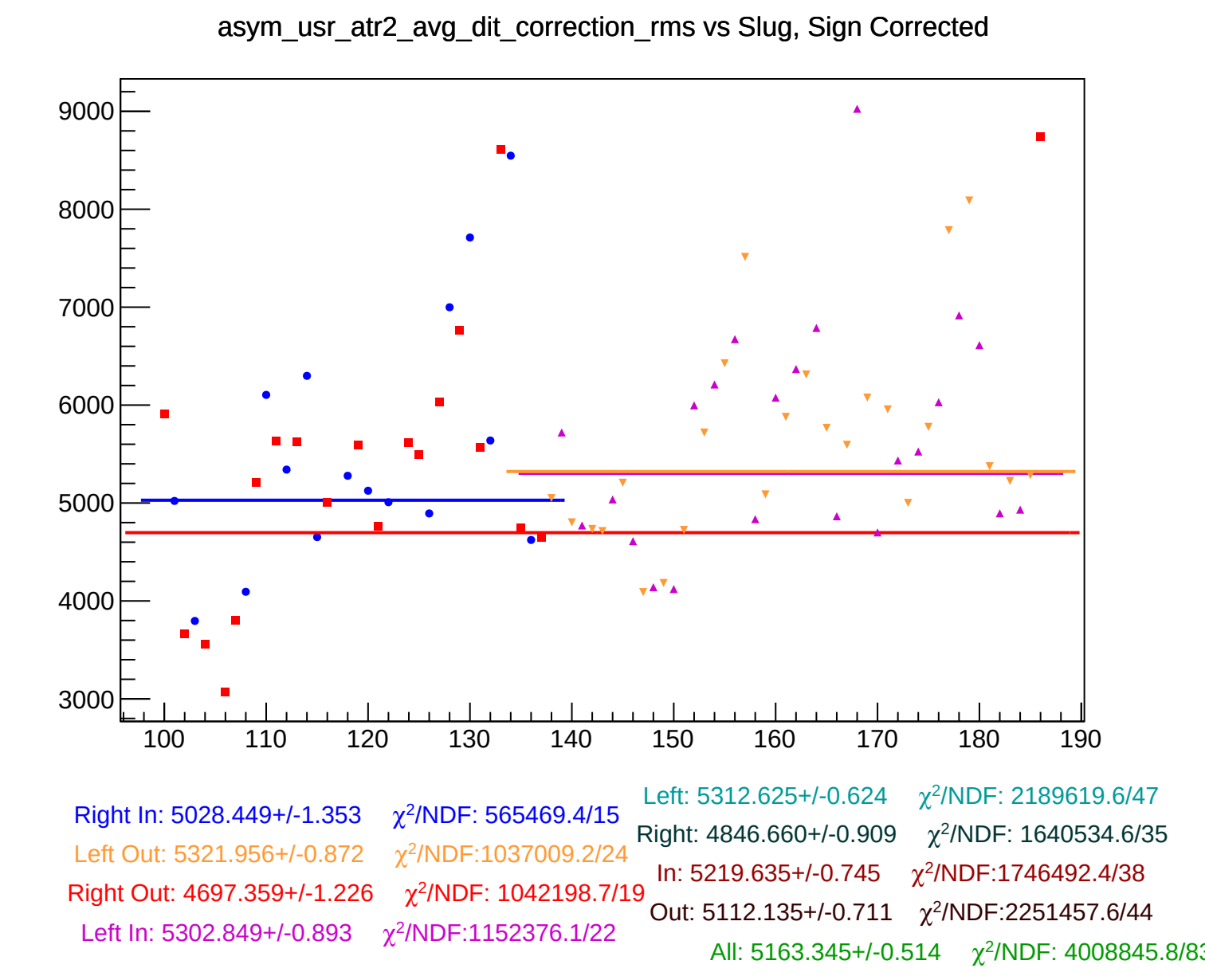
Right: 1638.420+/-0.302 χ^2/NDF: 518410.1/35

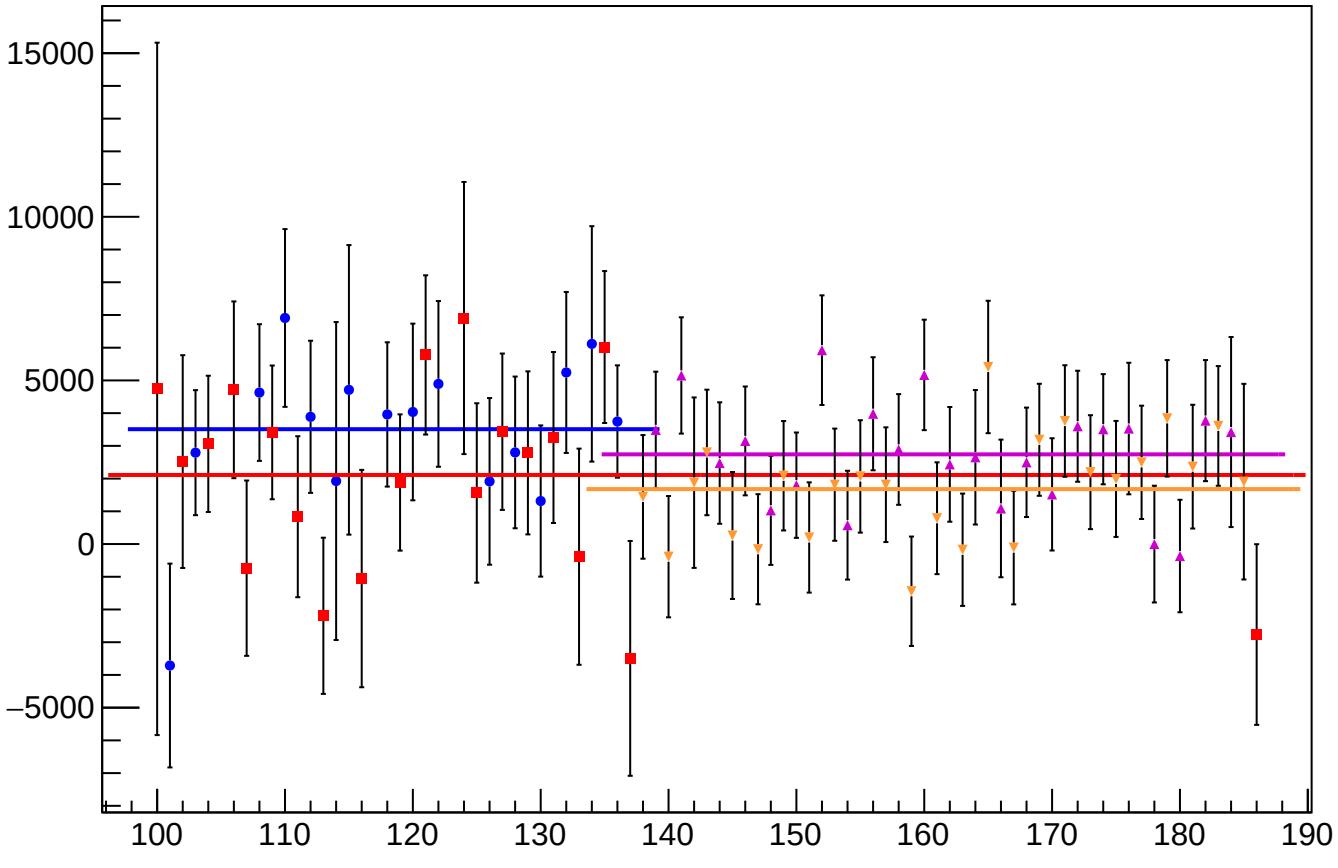
In: 1601.380+/-0.225 χ^2/NDF:329855.1/38

Out: 1604.186+/-0.219 χ^2/NDF:321657.9/44

All: 1602.821+/-0.157 χ^2/NDF: 651593.1/83


asym_usr_atr2_avg_dit_correction_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: -1532.110+/-1913.799 χ²/NDF: 13.9/15
Left Out: 601.820+/-1233.559 χ²/NDF:26.0/24
Right Out: -1330.467+/-1734.372 χ²/NDF: 21.1/19
Left In: -255.905+/-1262.607 χ²/NDF:14.6/22
Left: 182.938+/-882.349 χ²/NDF: 40.9/47
Right: -1421.395+/-1285.150 χ²/NDF: 35.0/35
In: -642.927+/-1053.910 χ²/NDF:28.8/38
Out: -47.293+/-1005.233 χ²/NDF:47.9/44
All: -331.037+/-727.407 χ²/NDF: 76.9/83


asym_usr_atr2_avg_dit_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: 5028.449+/-1.353 χ²/NDF: 565469.4/15
Left Out: 5321.956+/-0.872 χ²/NDF:1037009.2/24
Right Out: 4697.359+/-1.226 χ²/NDF: 1042198.7/19
Left In: 5302.849+/-0.893 χ²/NDF:1152376.1/22
Left: 5312.625+/-0.624 χ²/NDF: 2189619.6/47
Right: 4846.660+/-0.909 χ²/NDF: 1640534.6/35
In: 5219.635+/-0.745 χ²/NDF:1746492.4/38
Out: 5112.135+/-0.711 χ²/NDF:2251457.6/44
All: 5163.345+/-0.514 χ²/NDF: 4008845.8/83



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

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

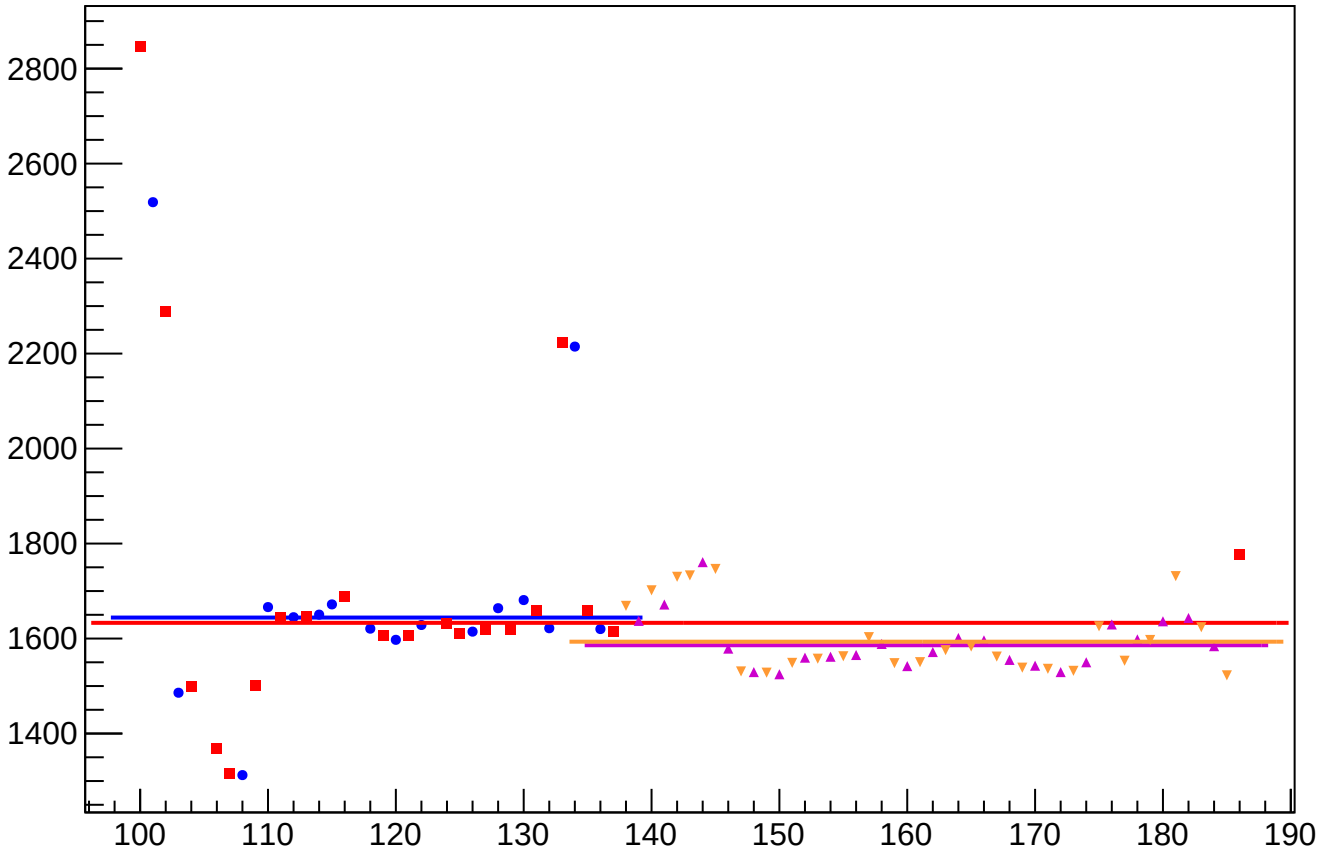
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2783.067+/-427.571 χ^2/NDF: 33.4/35

In: 2944.645+/-317.661 χ^2/NDF:30.7/38

Out: 1796.421+/-309.265 χ^2/NDF:39.7/44

All: 2355.158+/-221.592 χ^2/NDF: 77.1/83



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

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

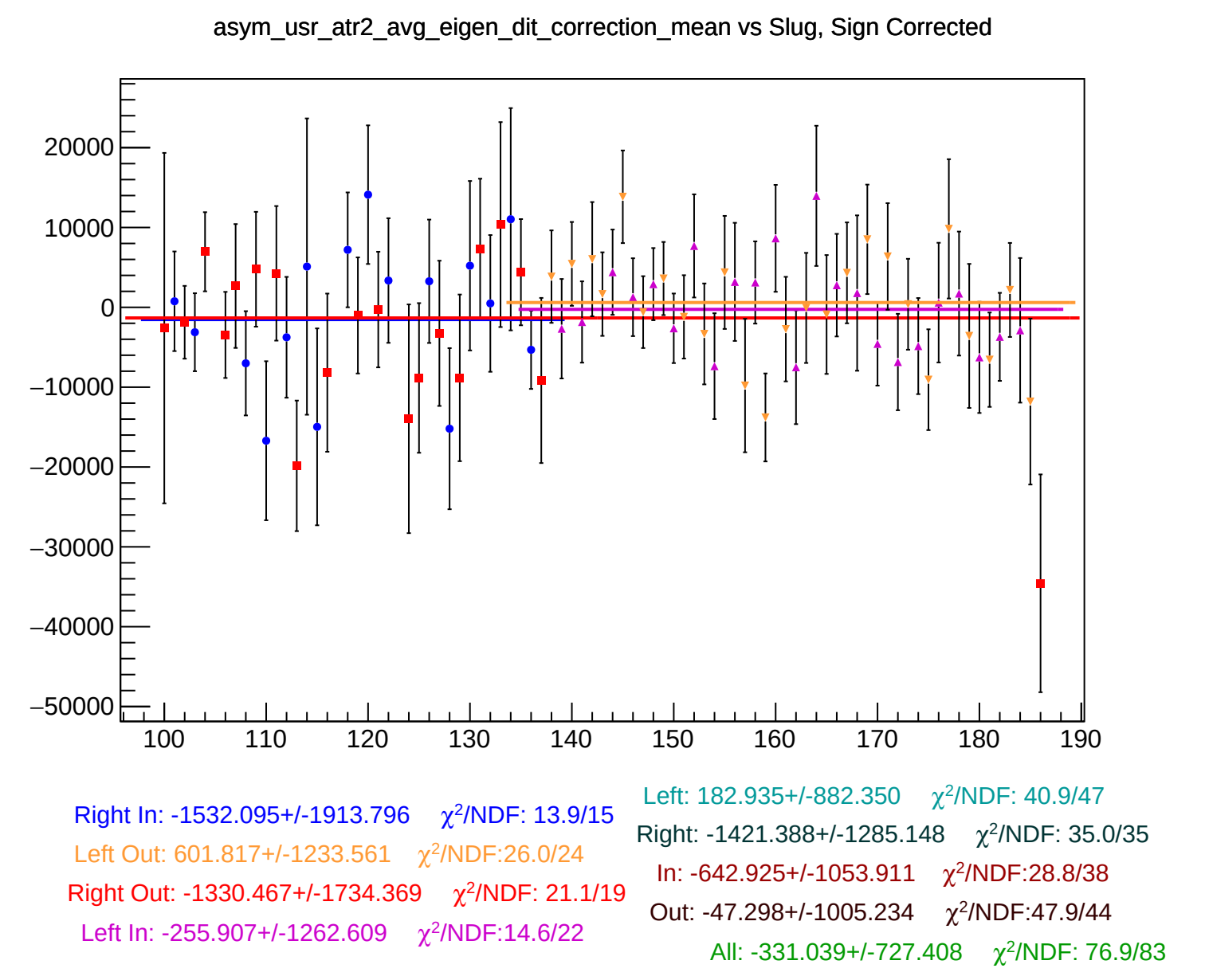
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

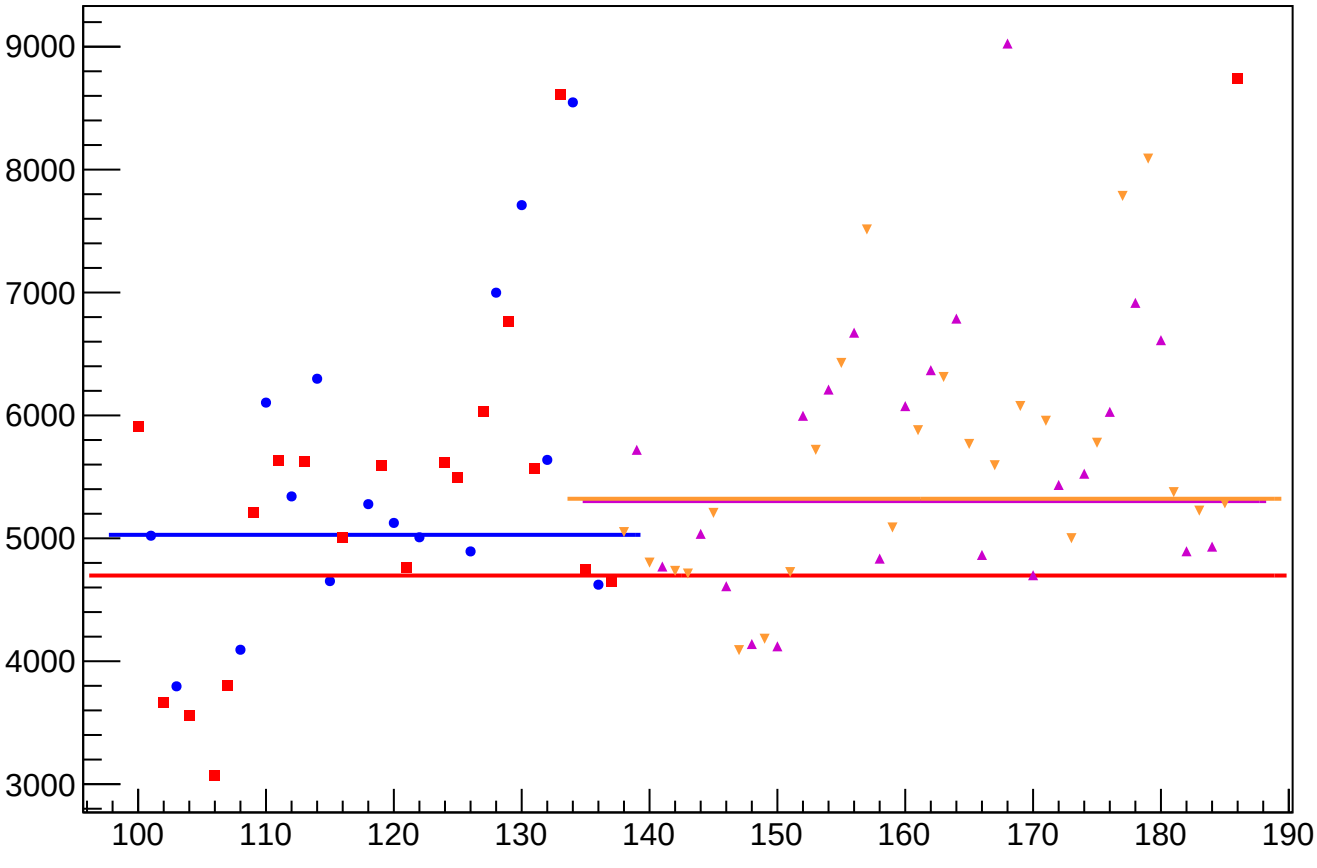
Right: 1638.419+/-0.302 χ^2/NDF: 518409.9/35

In: 1601.381+/-0.225 χ^2/NDF:329854.4/38

Out: 1604.186+/-0.219 χ^2/NDF:321657.0/44

All: 1602.821+/-0.157 χ^2/NDF: 651591.5/83


asym_usr_atr2_avg_eigen_dit_correction_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: -1532.095+/-1913.796 χ²/NDF: 13.9/15
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: -1421.388+/-1285.148 χ²/NDF: 35.0/35
In: -642.925+/-1053.911 χ²/NDF:28.8/38
Out: -47.298+/-1005.234 χ²/NDF:47.9/44
All: -331.039+/-727.408 χ²/NDF: 76.9/83



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

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

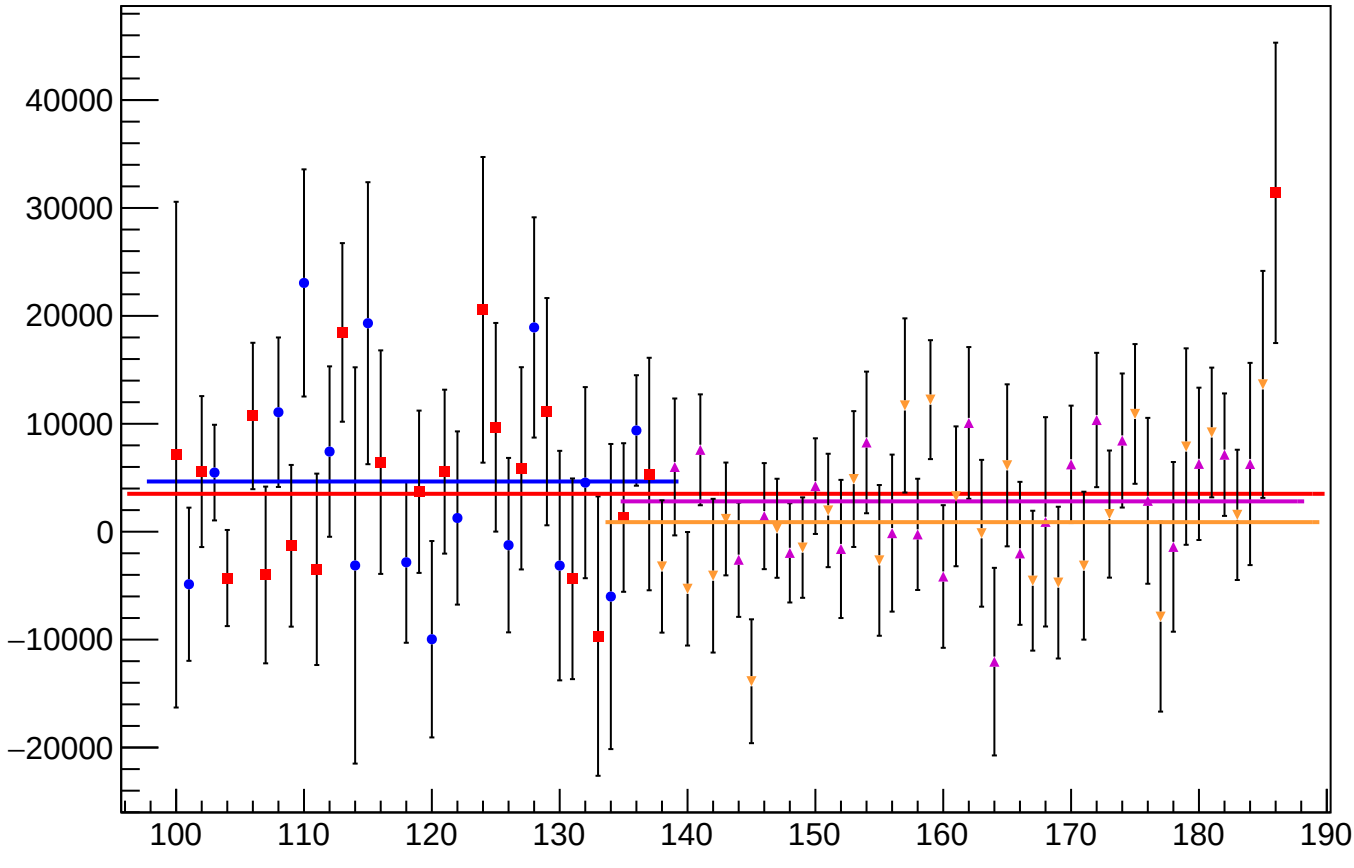
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 4846.653+/-0.909 χ^2/NDF: 1640522.2/35

In: 5219.639+/-0.745 χ^2/NDF:1746493.3/38

Out: 5112.138+/-0.711 χ^2/NDF:2251462.6/44

All: 5163.349+/-0.514 χ^2/NDF: 4008851.8/83



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

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

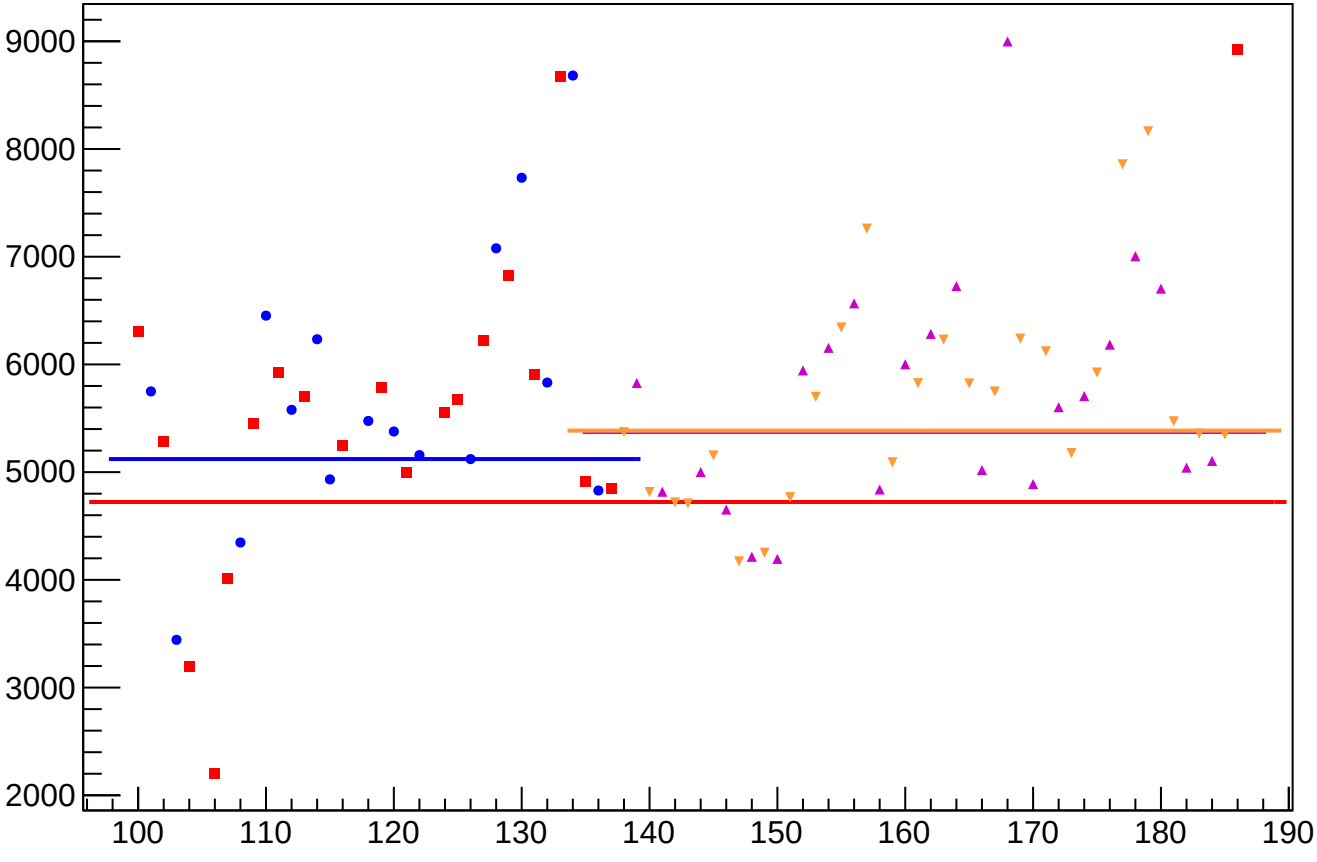
Right: 4054.601+/-1350.911 χ^2/NDF: 33.7/35

In: 3360.467+/-1069.831 χ^2/NDF:30.8/38

Out: 1695.799+/-1036.479 χ^2/NDF:45.0/44

All: 2501.781+/-744.413 χ^2/NDF: 77.1/83

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

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

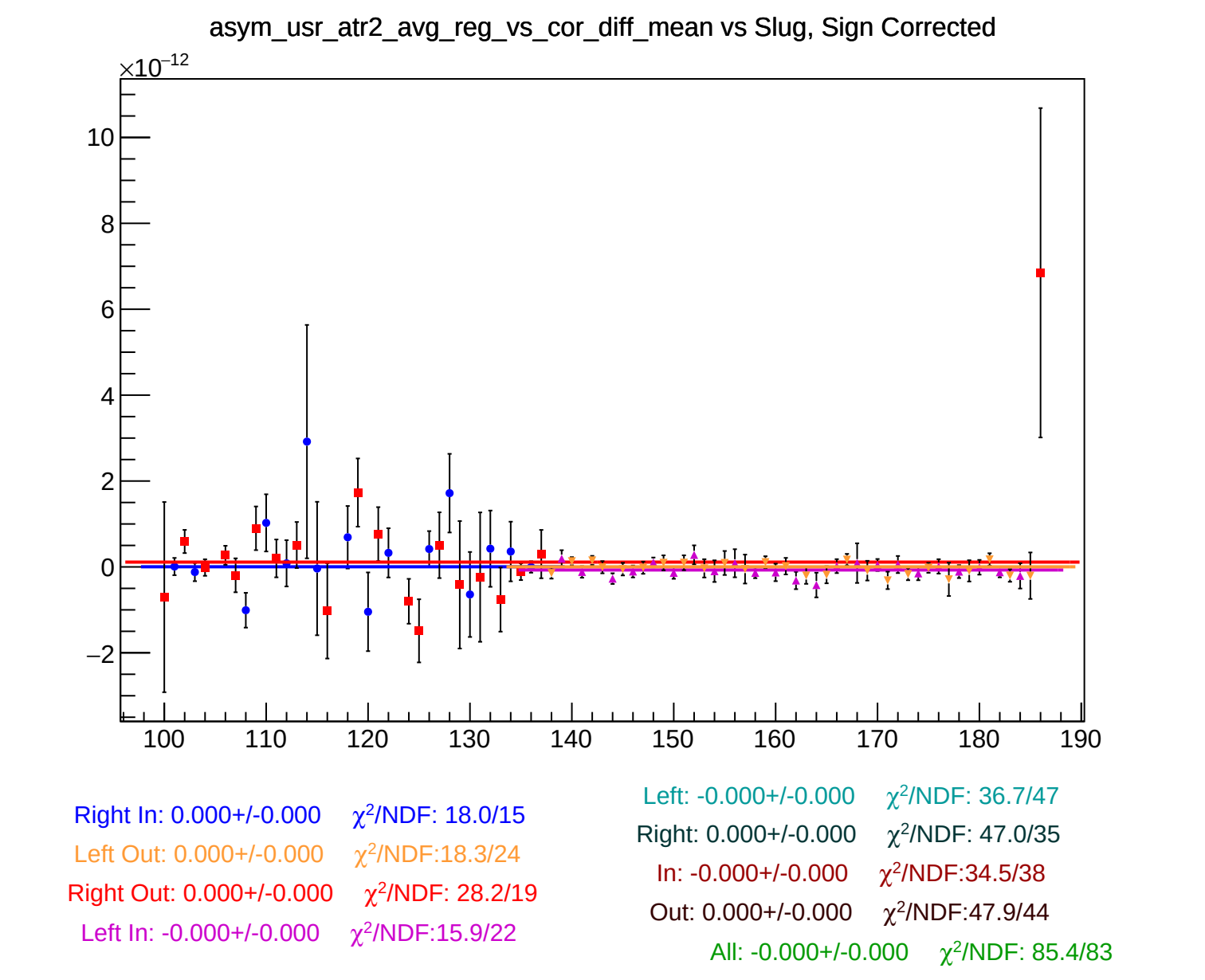
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

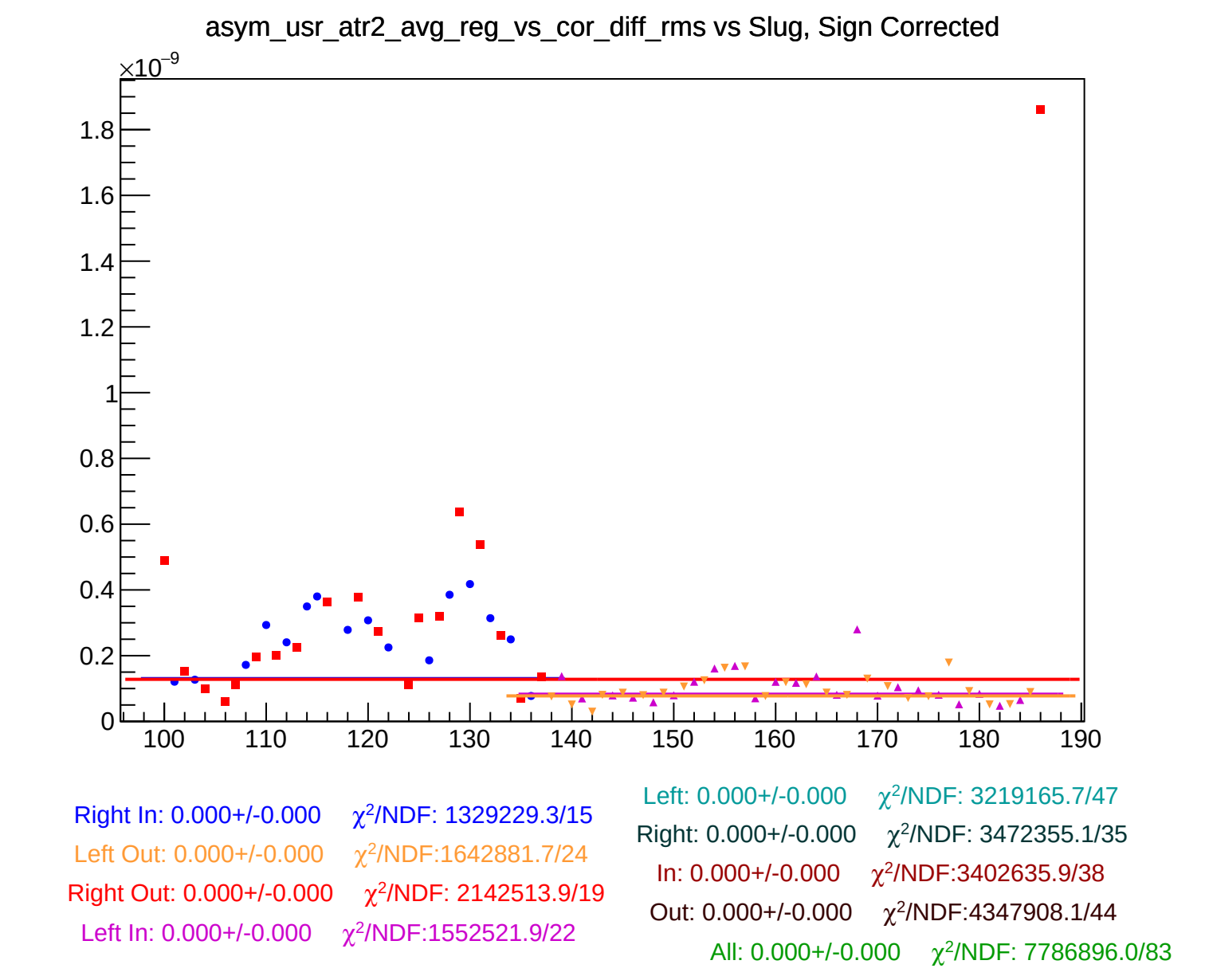
Right: 4904.984+/-0.936 χ^2/NDF: 2295812.8/35

In: 5297.904+/-0.756 χ^2/NDF:1815280.0/38

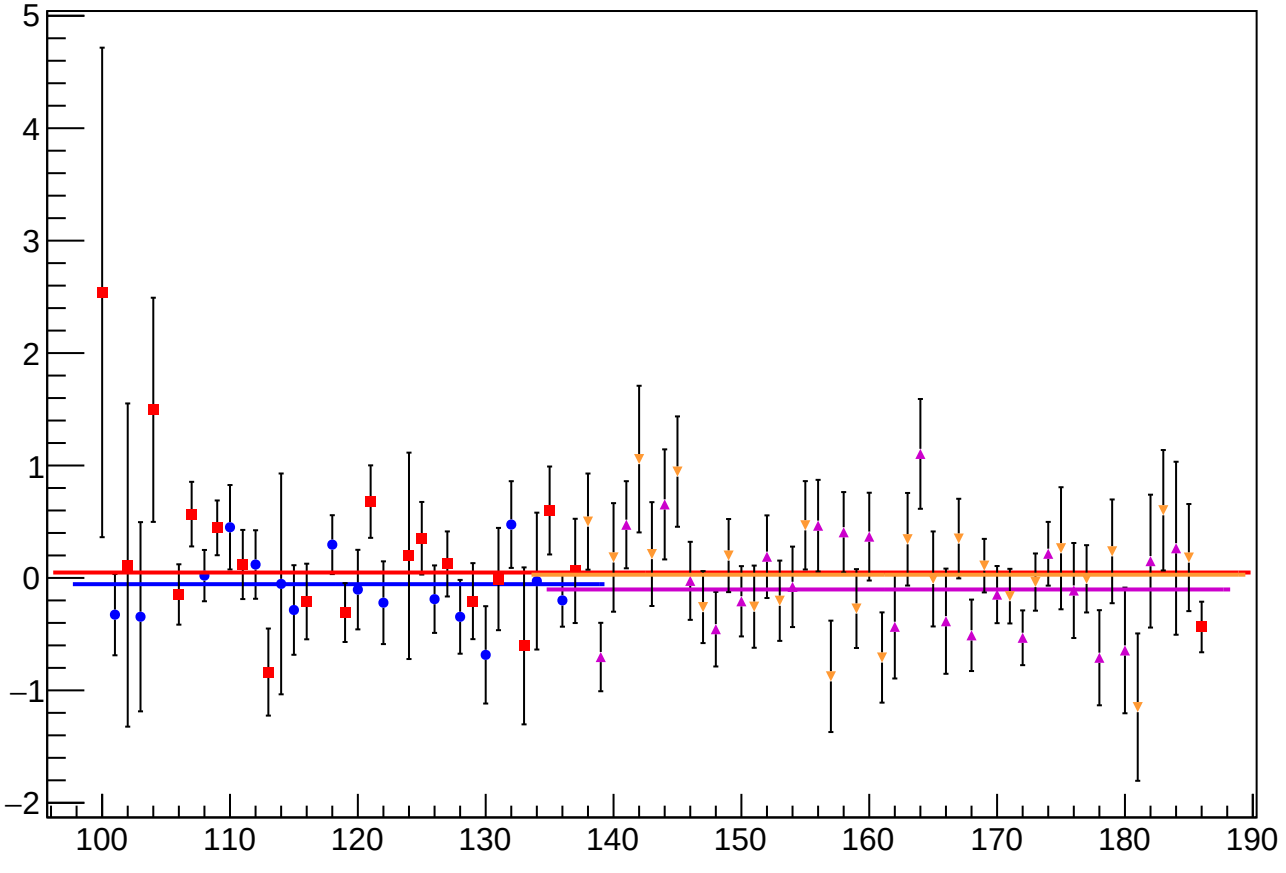
Out: 5170.114+/-0.724 χ^2/NDF:2701365.1/44

All: 5231.210+/-0.523 χ^2/NDF: 4531538.1/83


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: 18.0/15
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: 47.0/35
In: -0.000+/-0.000 χ²/NDF:34.5/38
Out: 0.000+/-0.000 χ²/NDF:47.9/44
All: -0.000+/-0.000 χ²/NDF: 85.4/83


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: 1329229.3/15
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: 3472355.1/35
In: 0.000+/-0.000 χ²/NDF:3402635.9/38
Out: 0.000+/-0.000 χ²/NDF:4347908.1/44
All: 0.000+/-0.000 χ²/NDF: 7786896.0/83

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-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

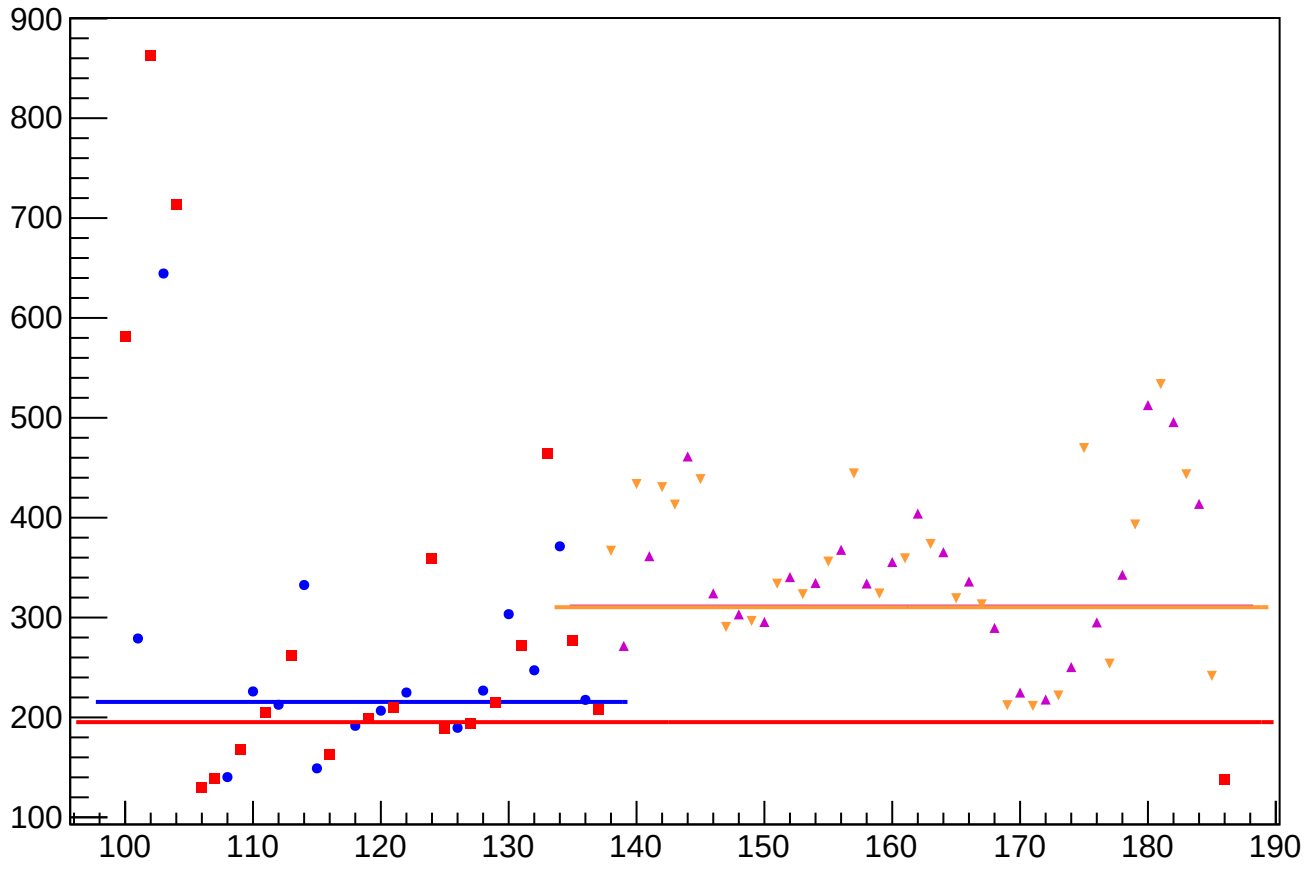
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.001+/-0.058 χ^2/NDF: 42.0/35

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.019+/-0.039 χ^2/NDF: 101.3/83



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

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

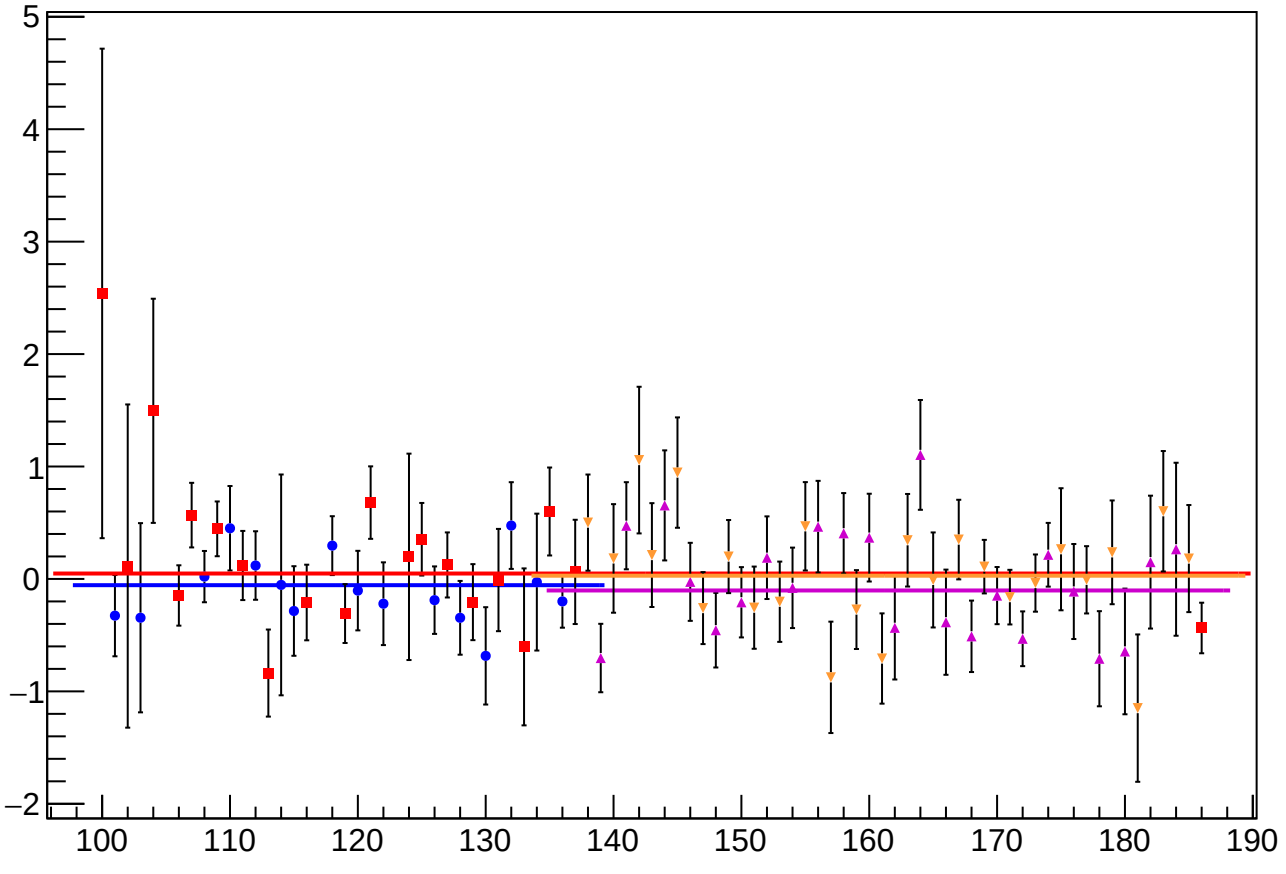
Right: 204.485+/-0.041 χ^2/NDF: 3195877.1/35

In: 268.661+/-0.040 χ^2/NDF:4137697.9/38

Out: 255.365+/-0.038 χ^2/NDF:6619289.9/44

All: 261.660+/-0.028 χ^2/NDF: 10814493.2/83

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-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

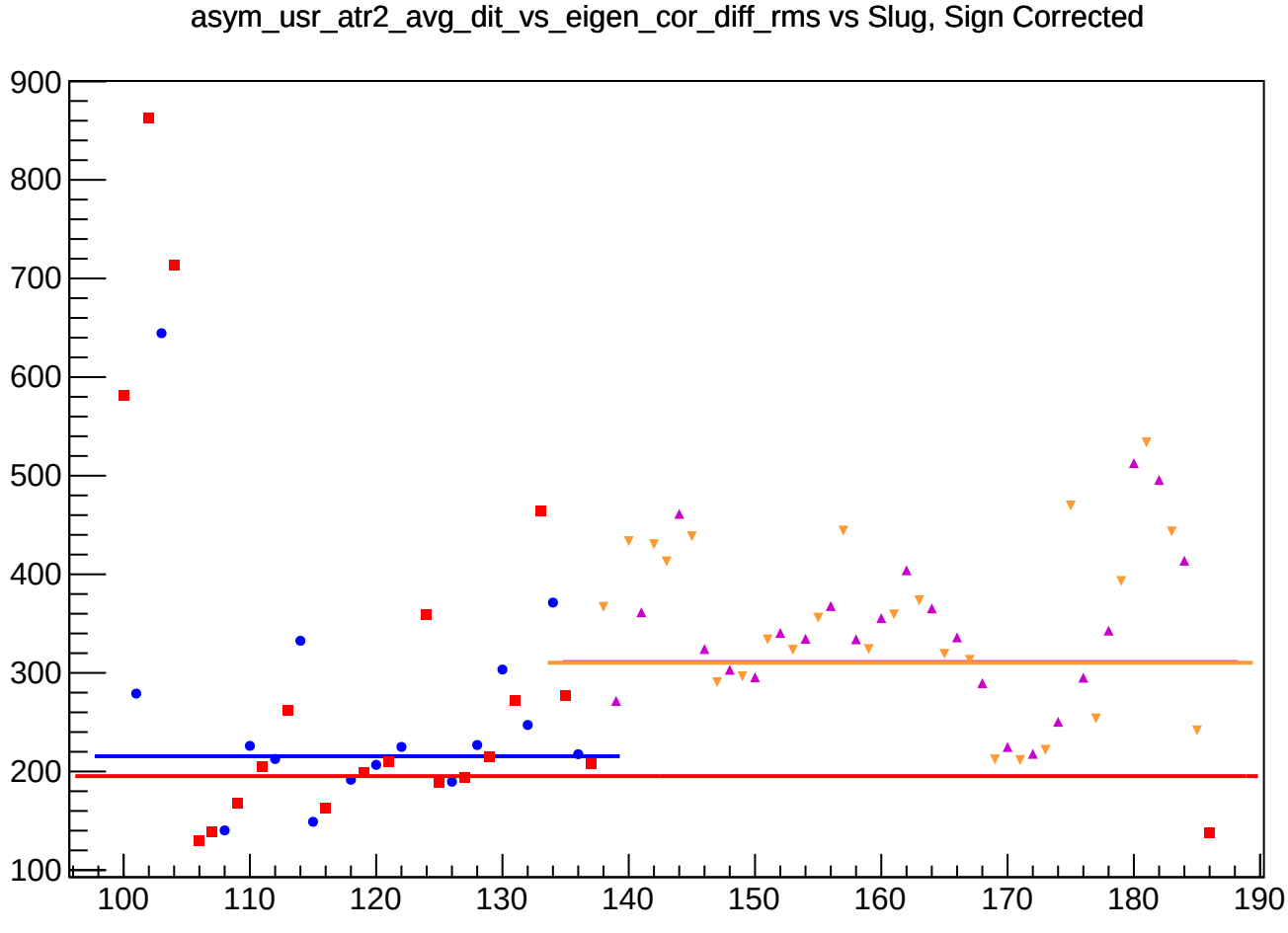
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.001+/-0.058 χ^2/NDF: 42.0/35

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.019+/-0.039 χ^2/NDF: 101.3/83



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

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

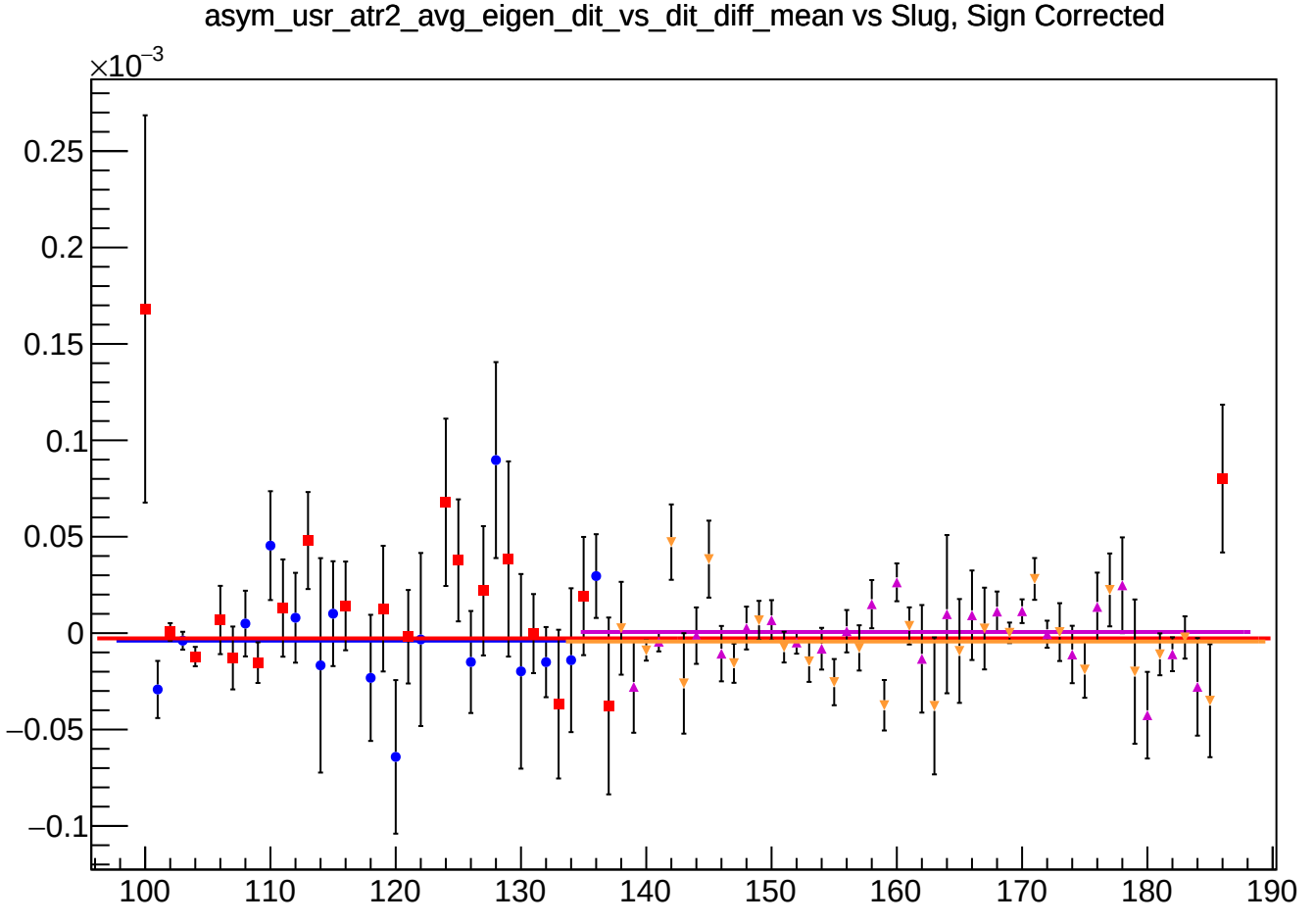
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

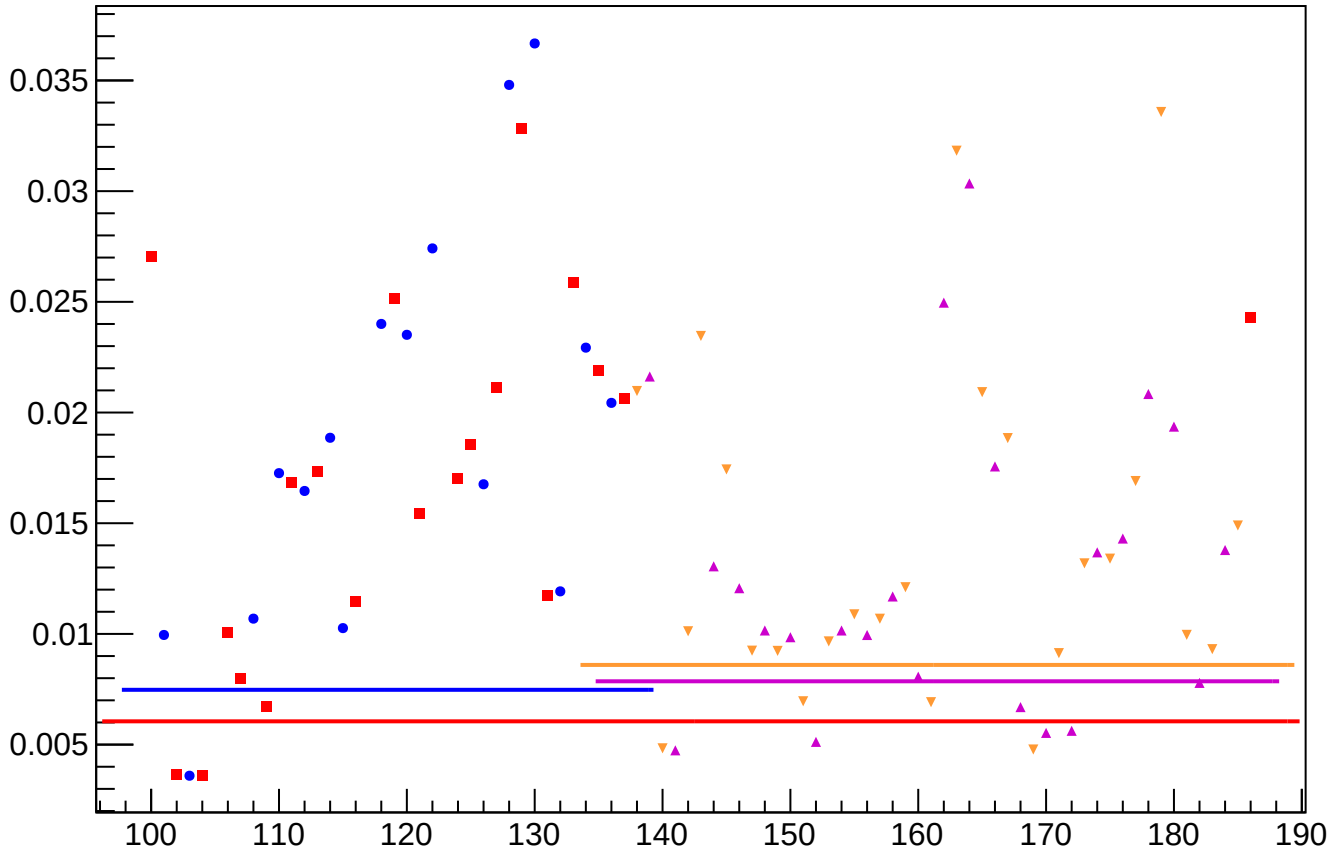
Right: 204.485+/-0.041 χ^2/NDF: 3195877.1/35

In: 268.661+/-0.040 χ^2/NDF:4137697.9/38

Out: 255.365+/-0.038 χ^2/NDF:6619289.9/44

All: 261.660+/-0.028 χ^2/NDF: 10814493.2/83


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.3/19
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 42.4/35
In: -0.000+/-0.000 χ²/NDF:43.6/38
Out: -0.000+/-0.000 χ²/NDF:68.8/44
All: -0.000+/-0.000 χ²/NDF: 114.0/83



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

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

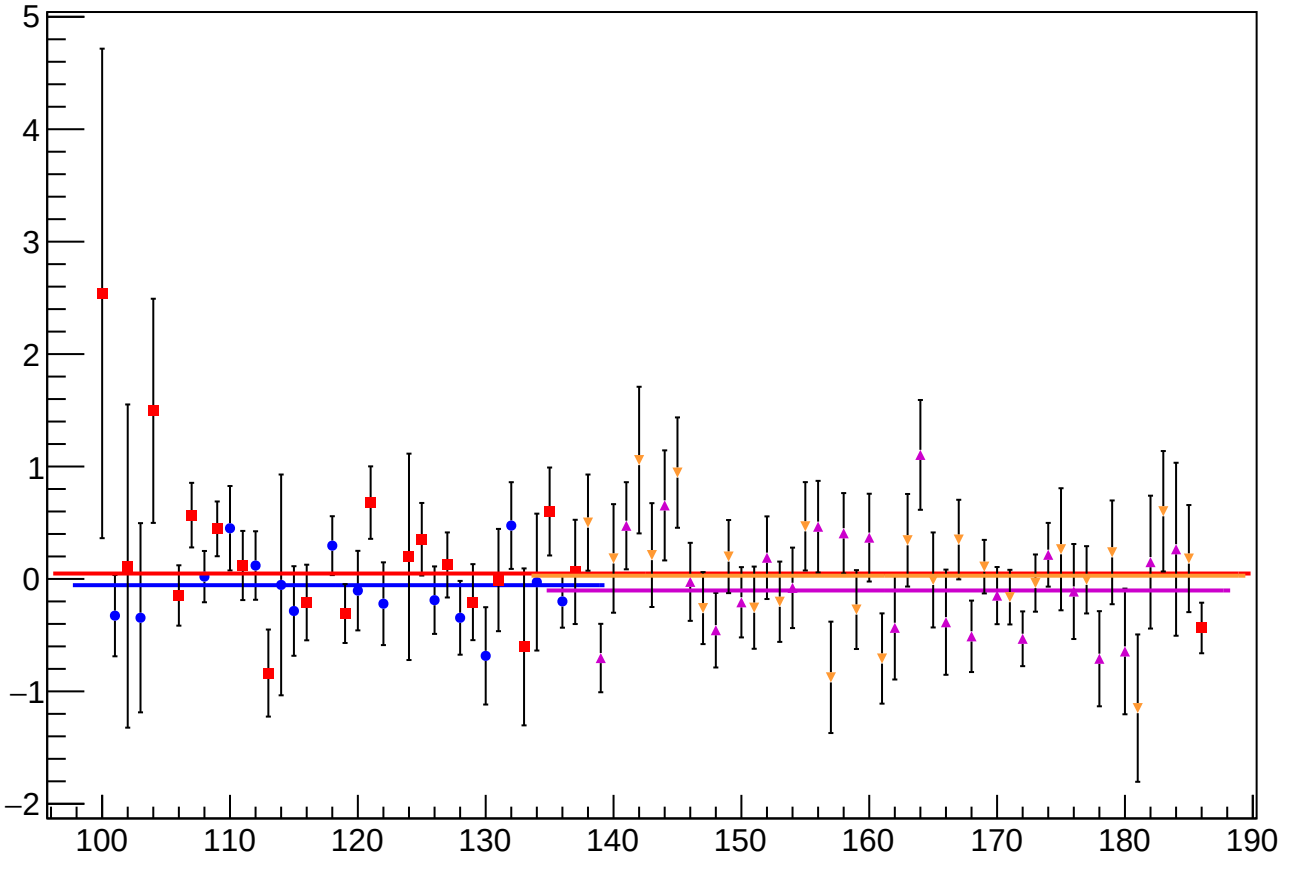
Right: 0.007+/-0.000 χ^2/NDF: 12645141.5/35

In: 0.008+/-0.000 χ^2/NDF:12871599.8/38

Out: 0.008+/-0.000 χ^2/NDF:15013365.3/44

All: 0.008+/-0.000 χ^2/NDF: 27889922.1/83

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-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

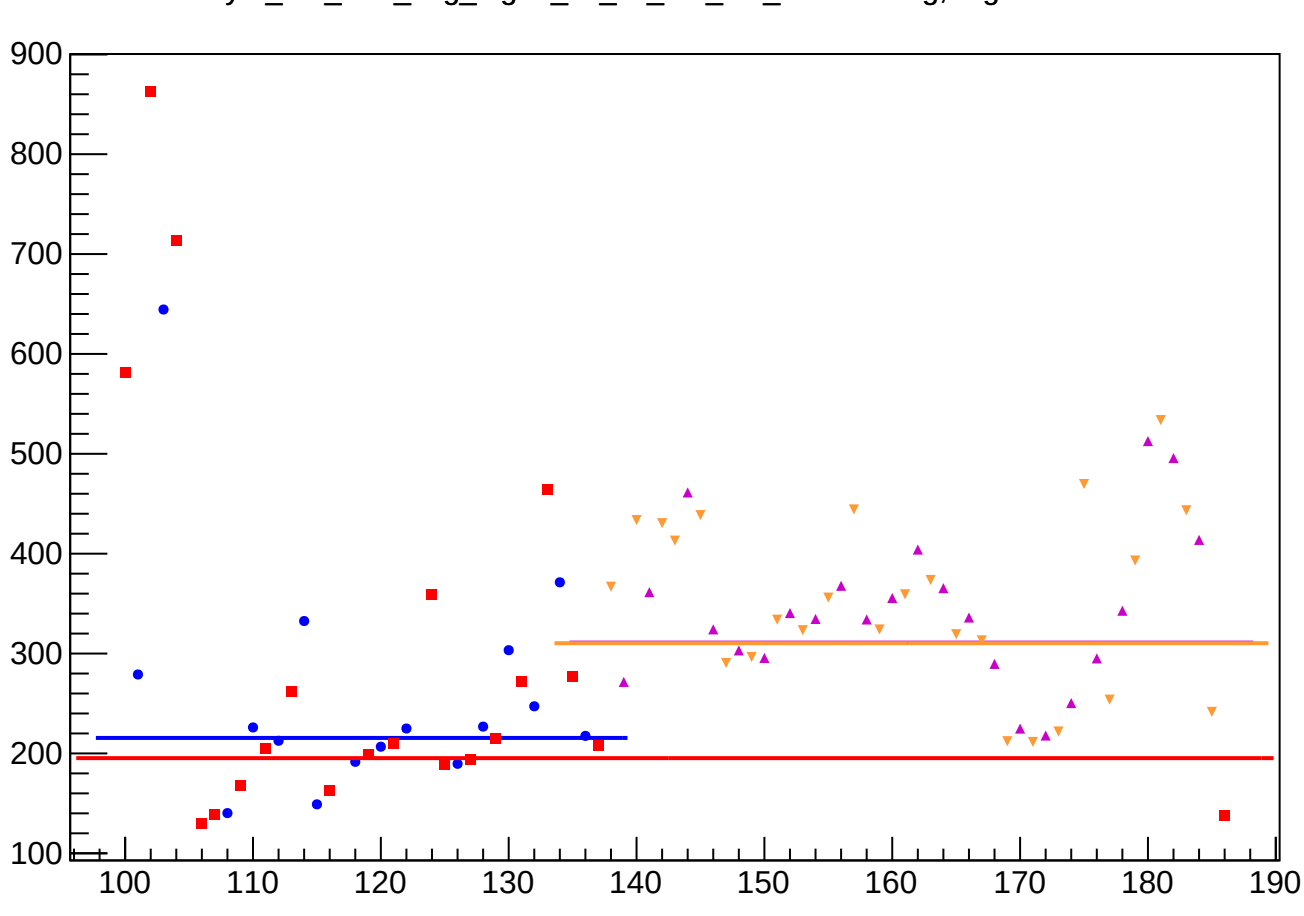
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.001+/-0.058 χ^2/NDF: 42.0/35

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.019+/-0.039 χ^2/NDF: 101.3/83



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

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

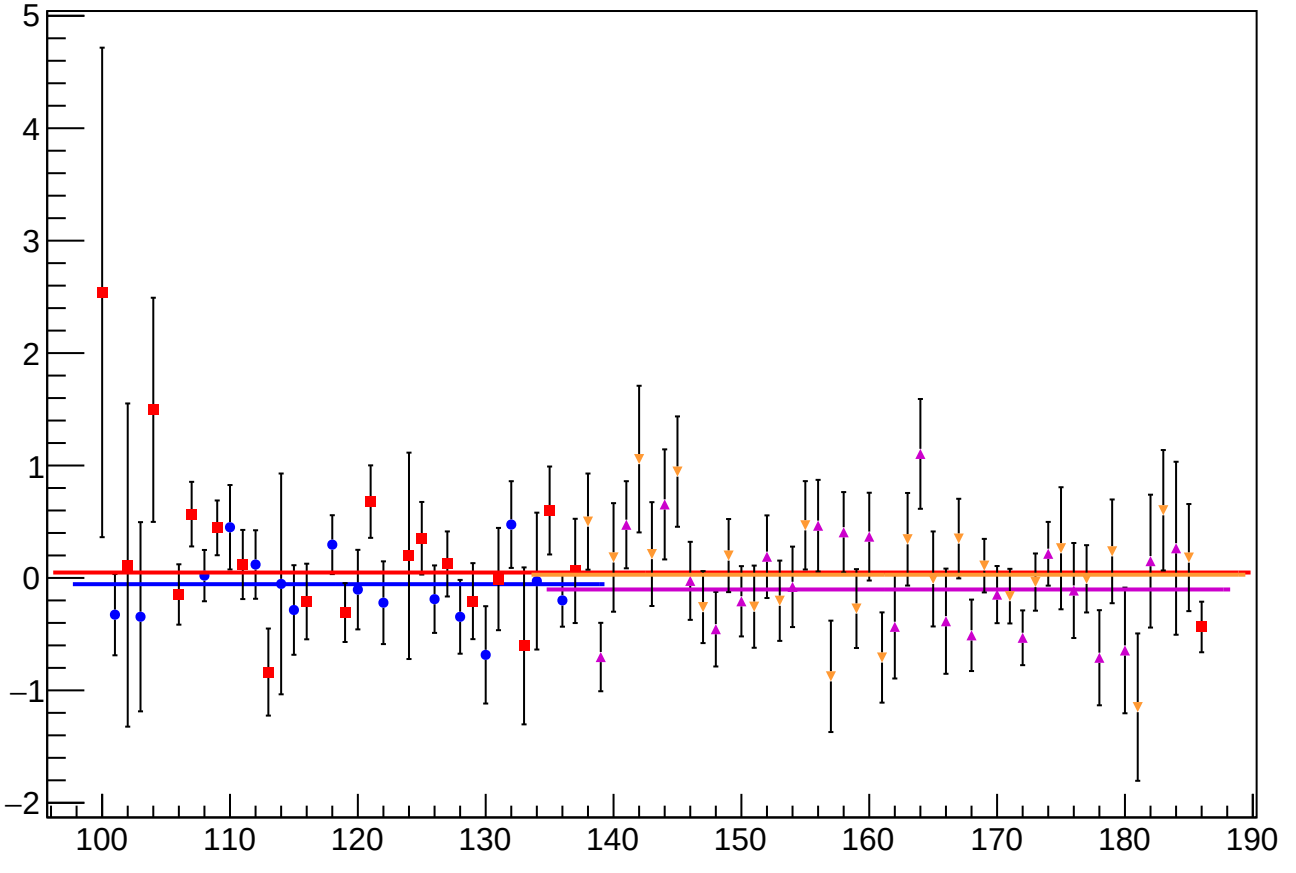
Right: 204.484+/-0.041 χ^2/NDF: 3195827.2/35

In: 268.662+/-0.040 χ^2/NDF:4137833.7/38

Out: 255.365+/-0.038 χ^2/NDF:6619495.8/44

All: 261.660+/-0.028 χ^2/NDF: 10814838.1/83

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.029+/-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

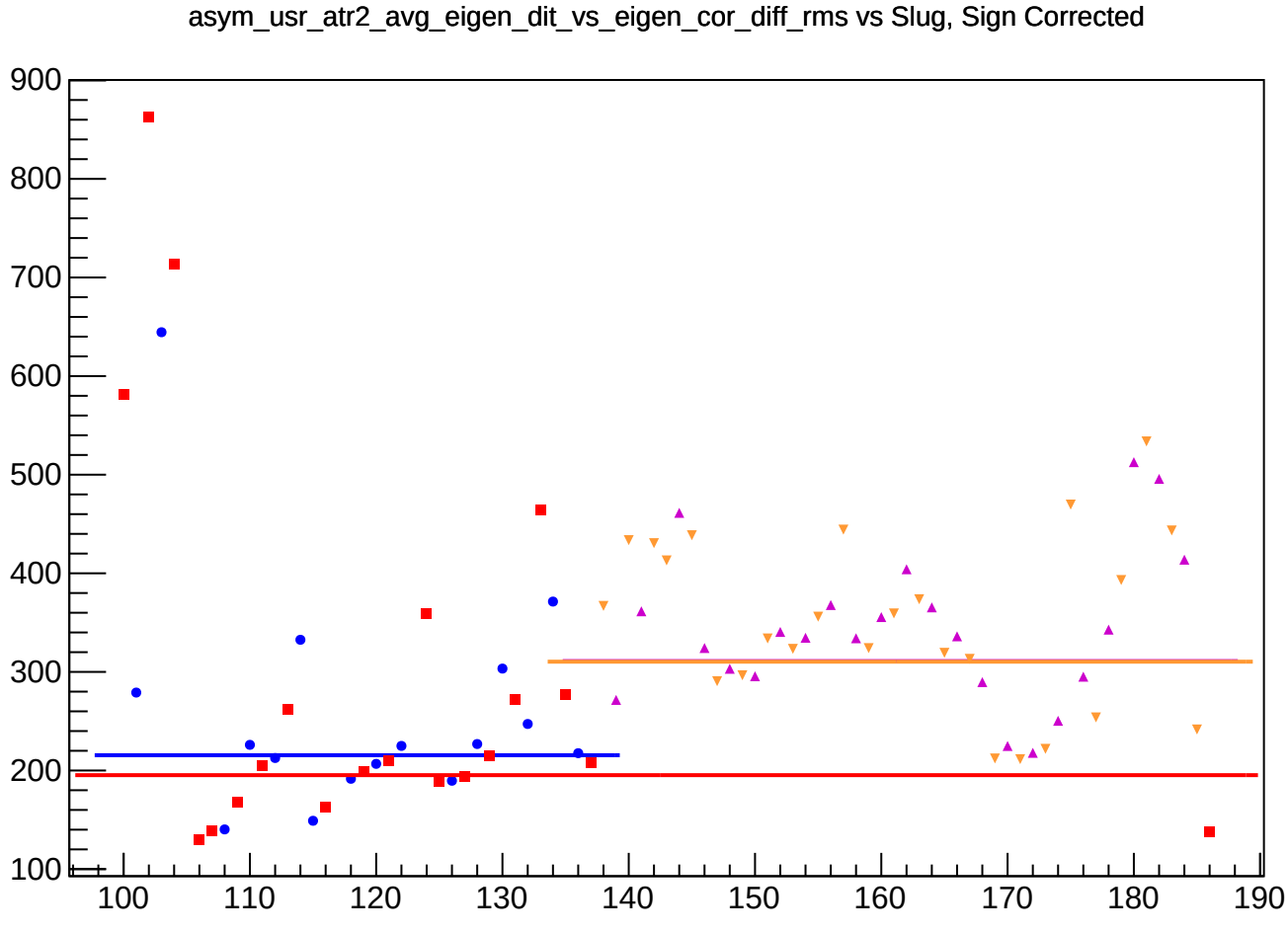
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.001+/-0.058 χ^2/NDF: 42.0/35

In: -0.082+/-0.057 χ^2/NDF:43.1/38

Out: 0.038+/-0.054 χ^2/NDF:55.9/44

All: -0.019+/-0.039 χ^2/NDF: 101.3/83



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

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

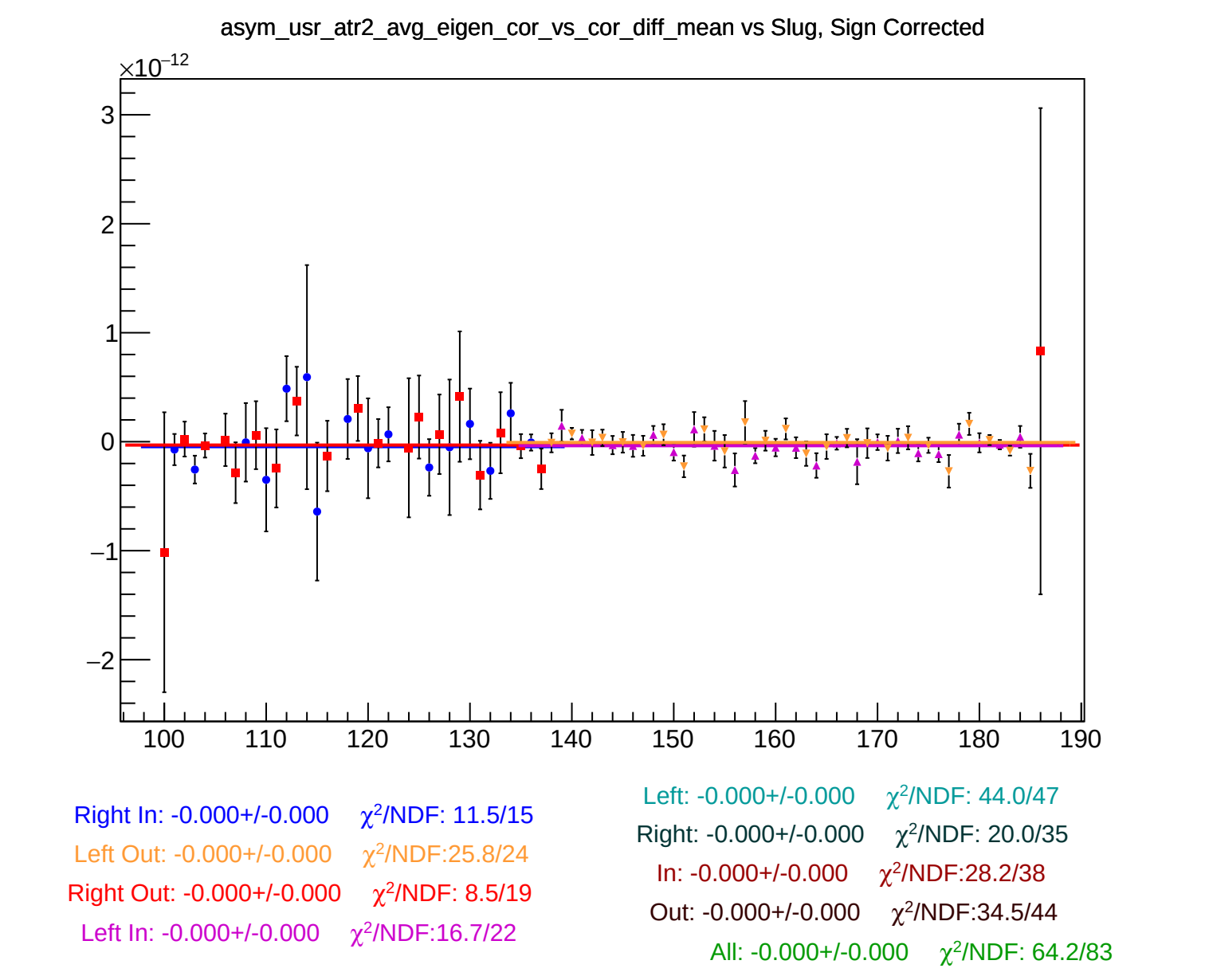
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

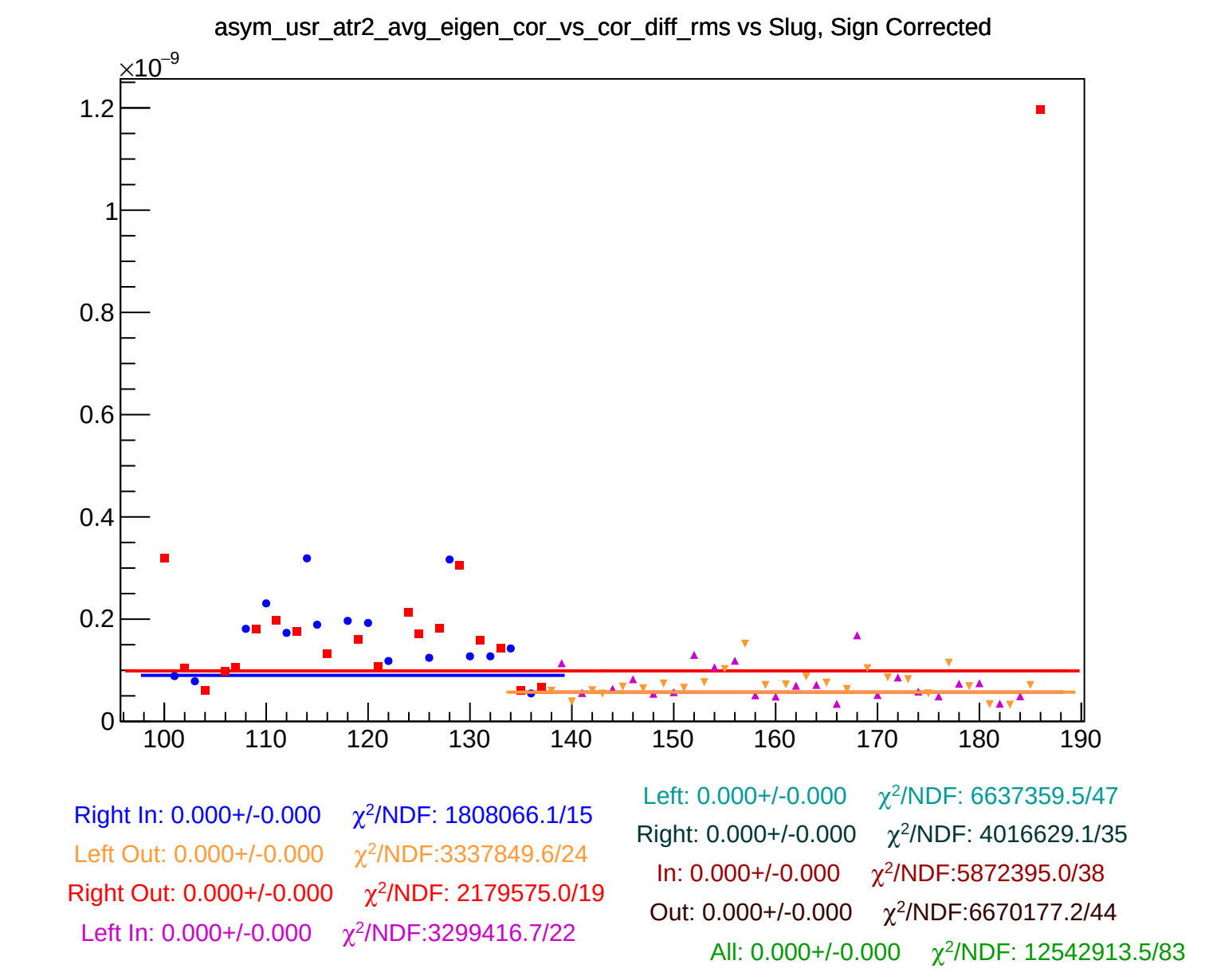
Right: 204.484+/-0.041 χ^2/NDF: 3195827.2/35

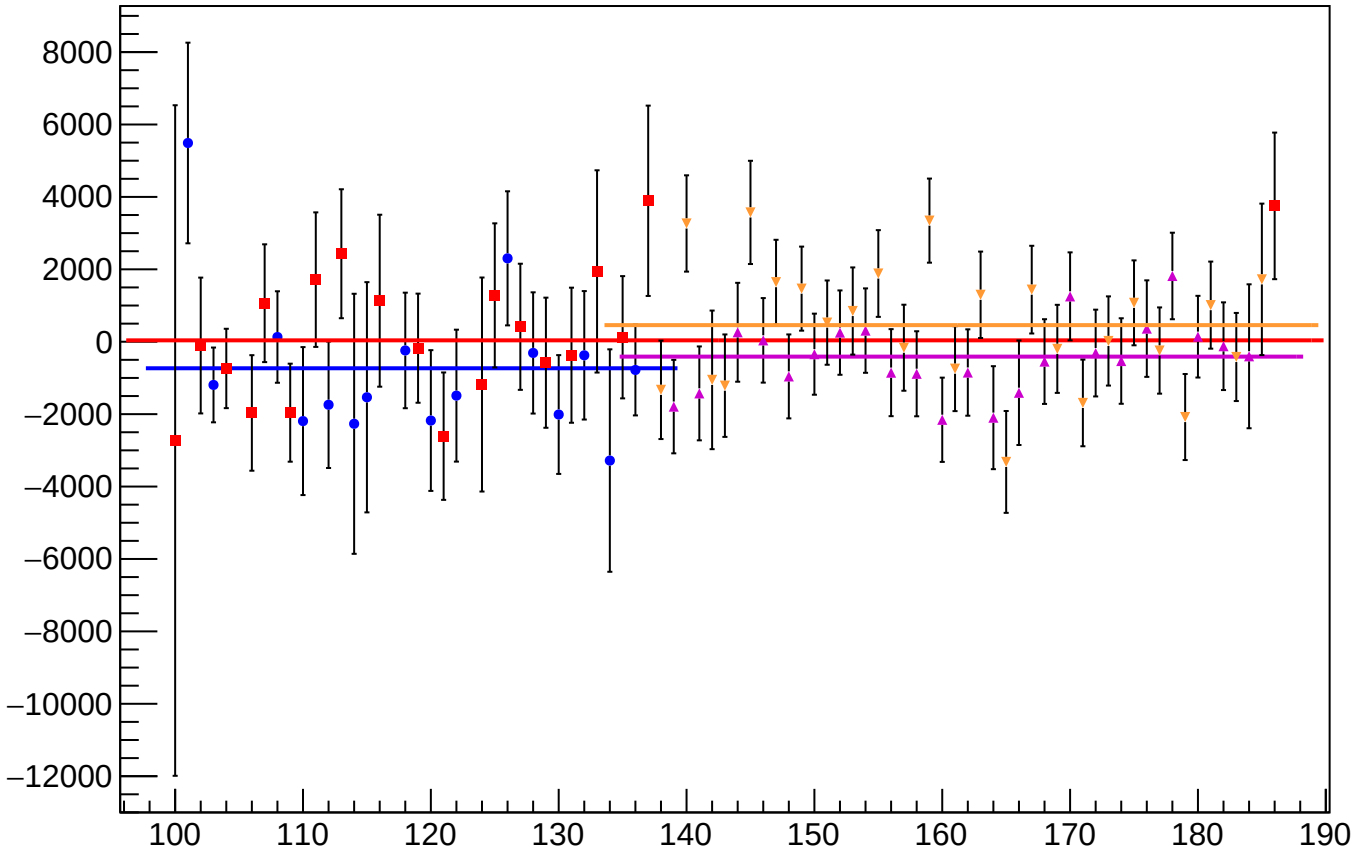
In: 268.662+/-0.040 χ^2/NDF:4137833.7/38

Out: 255.365+/-0.038 χ^2/NDF:6619495.8/44

All: 261.660+/-0.028 χ^2/NDF: 10814838.1/83


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: 11.5/15
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: 20.0/35
In: -0.000+/-0.000 χ²/NDF:28.2/38
Out: -0.000+/-0.000 χ²/NDF:34.5/44
All: -0.000+/-0.000 χ²/NDF: 64.2/83


asym_usr_atr2_avg_eigen_cor_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: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:3337849.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2179575.0/19
Left In: 0.000+/-0.000 χ²/NDF:3299416.7/22
Left: 0.000+/-0.000 χ²/NDF: 6637359.5/47
Right: 0.000+/-0.000 χ²/NDF: 4016629.1/35
In: 0.000+/-0.000 χ²/NDF:5872395.0/38
Out: 0.000+/-0.000 χ²/NDF:6670177.2/44
All: 0.000+/-0.000 χ²/NDF: 12542913.5/83



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

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

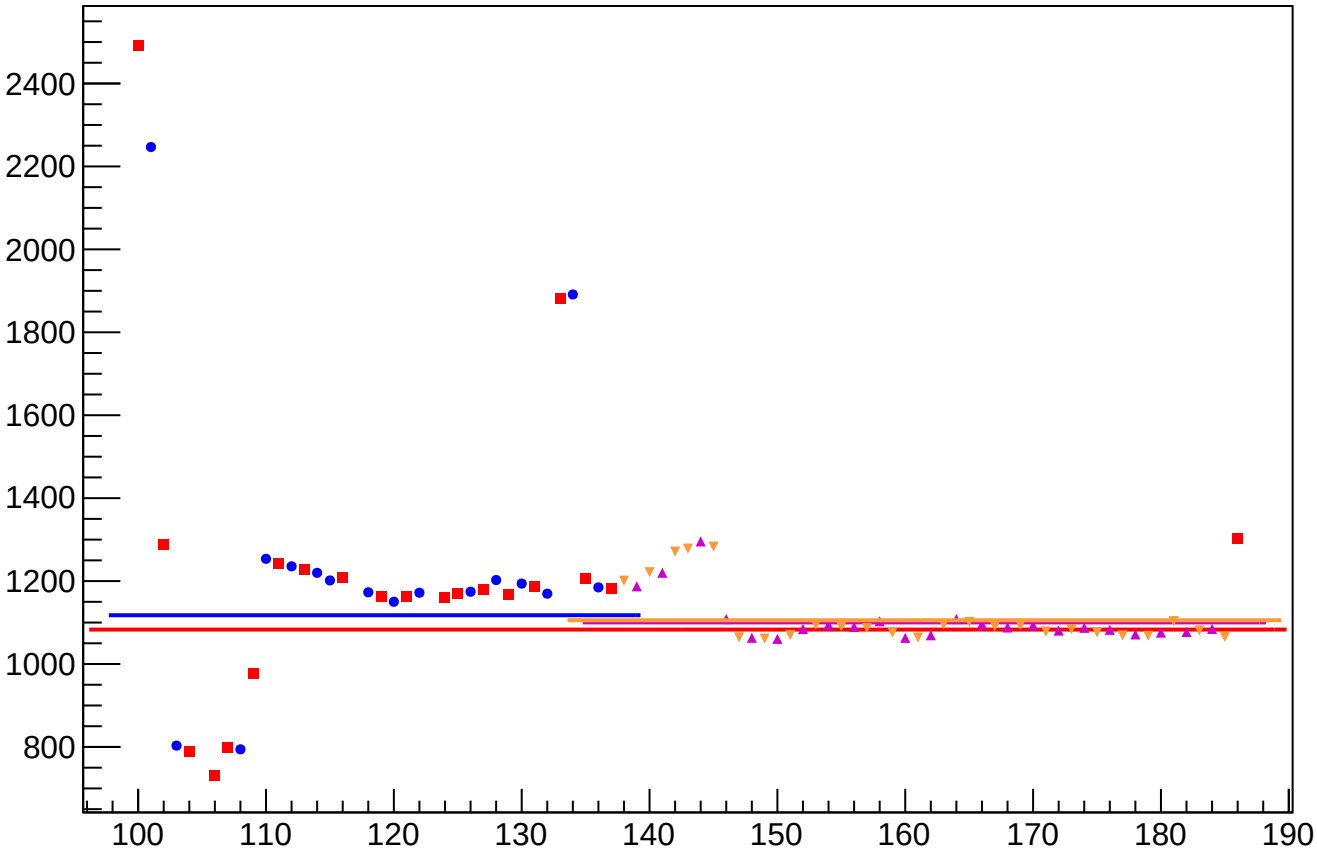
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -324.743+/-293.280 χ^2/NDF: 30.0/35

In: -496.737+/-220.373 χ^2/NDF:25.8/38

Out: 341.001+/-213.413 χ^2/NDF:59.5/44

All: -64.431+/-153.307 χ^2/NDF: 92.7/83



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

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

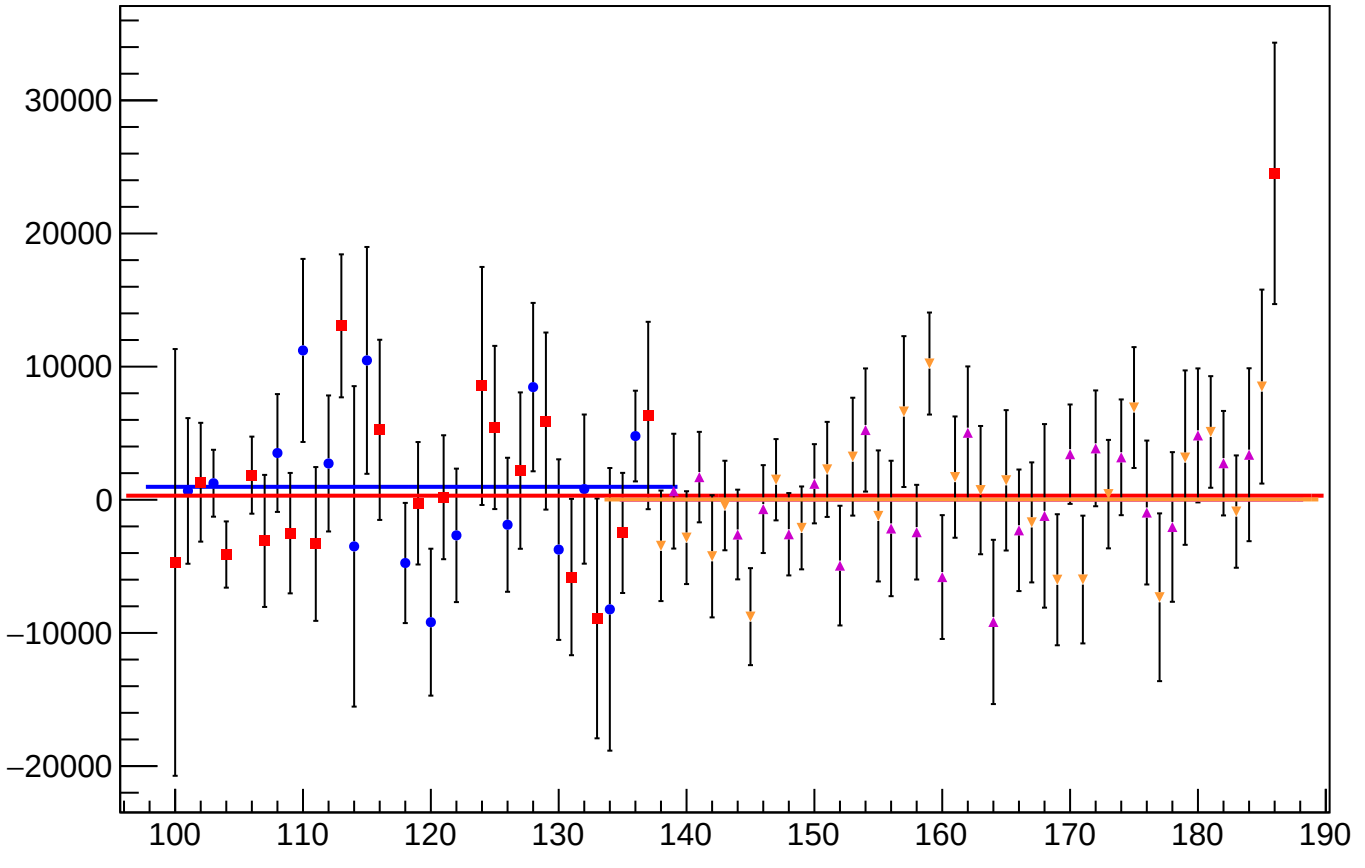
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1099.223+/-0.207 χ^2/NDF: 1500744.1/35

In: 1104.959+/-0.156 χ^2/NDF:902490.8/38

Out: 1099.174+/-0.151 χ^2/NDF:800392.2/44

All: 1101.967+/-0.108 χ^2/NDF: 1703595.8/83



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

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

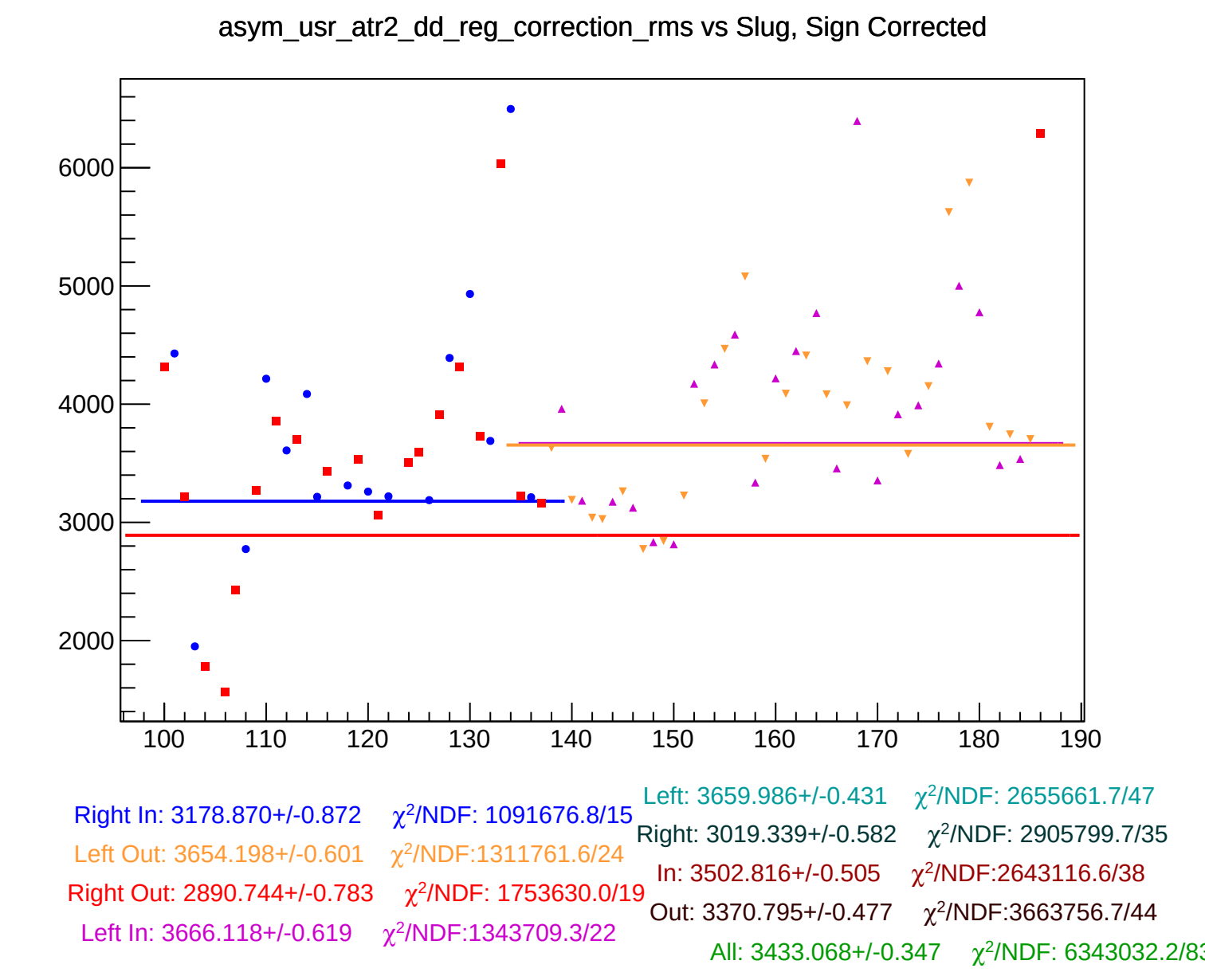
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 605.568+/-823.565 χ^2/NDF: 36.7/35

In: 330.555+/-713.669 χ^2/NDF:28.2/38

Out: 129.315+/-674.338 χ^2/NDF:51.2/44

All: 224.237+/-490.144 χ^2/NDF: 79.5/83


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
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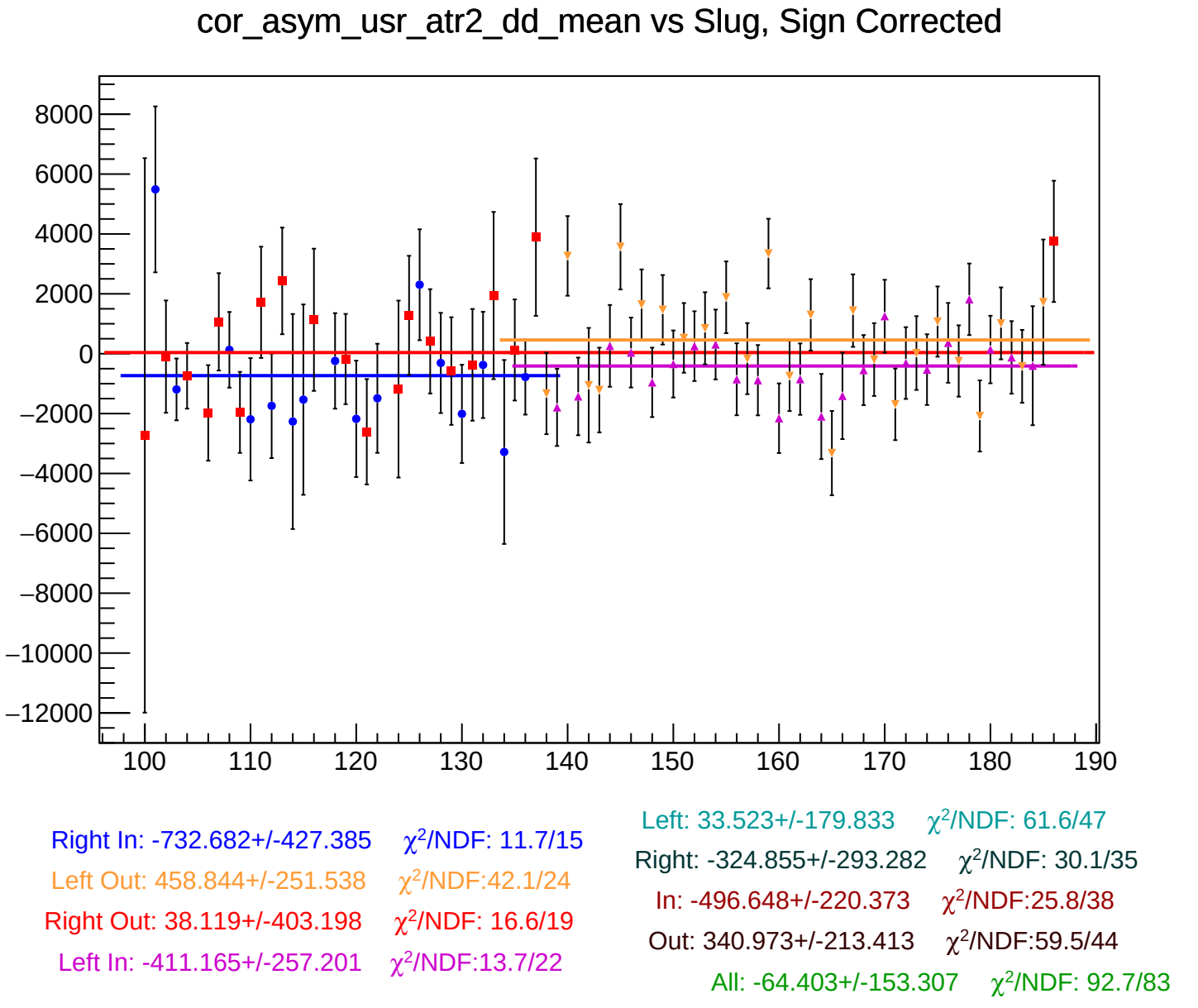
170
180
190
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3654.198+/-0.601 χ²/NDF:1311761.6/24
Right Out: 2890.744+/-0.783 χ²/NDF: 1753630.0/19
Left In: 3666.118+/-0.619 χ²/NDF:1343709.3/22
Left: 3659.986+/-0.431 χ²/NDF: 2655661.7/47
Right: 3019.339+/-0.582 χ²/NDF: 2905799.7/35
In: 3502.816+/-0.505 χ²/NDF:2643116.6/38
Out: 3370.795+/-0.477 χ²/NDF:3663756.7/44
All: 3433.068+/-0.347 χ²/NDF: 6343032.2/83


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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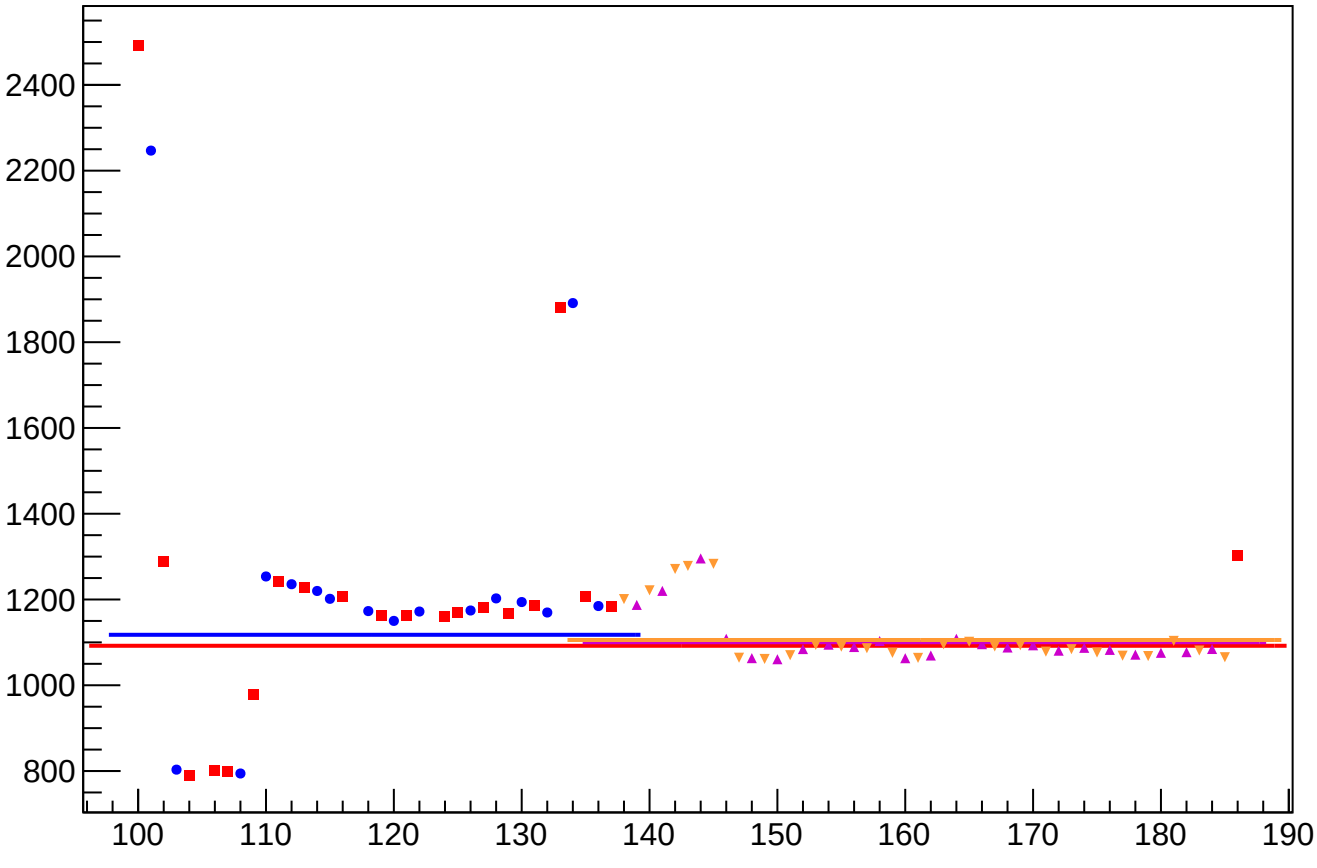
170
180
190
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 38.119+/-403.198 χ²/NDF: 16.6/19
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -324.855+/-293.282 χ²/NDF: 30.1/35
In: -496.648+/-220.373 χ²/NDF:25.8/38
Out: 340.973+/-213.413 χ²/NDF:59.5/44
All: -64.403+/-153.307 χ²/NDF: 92.7/83



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

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

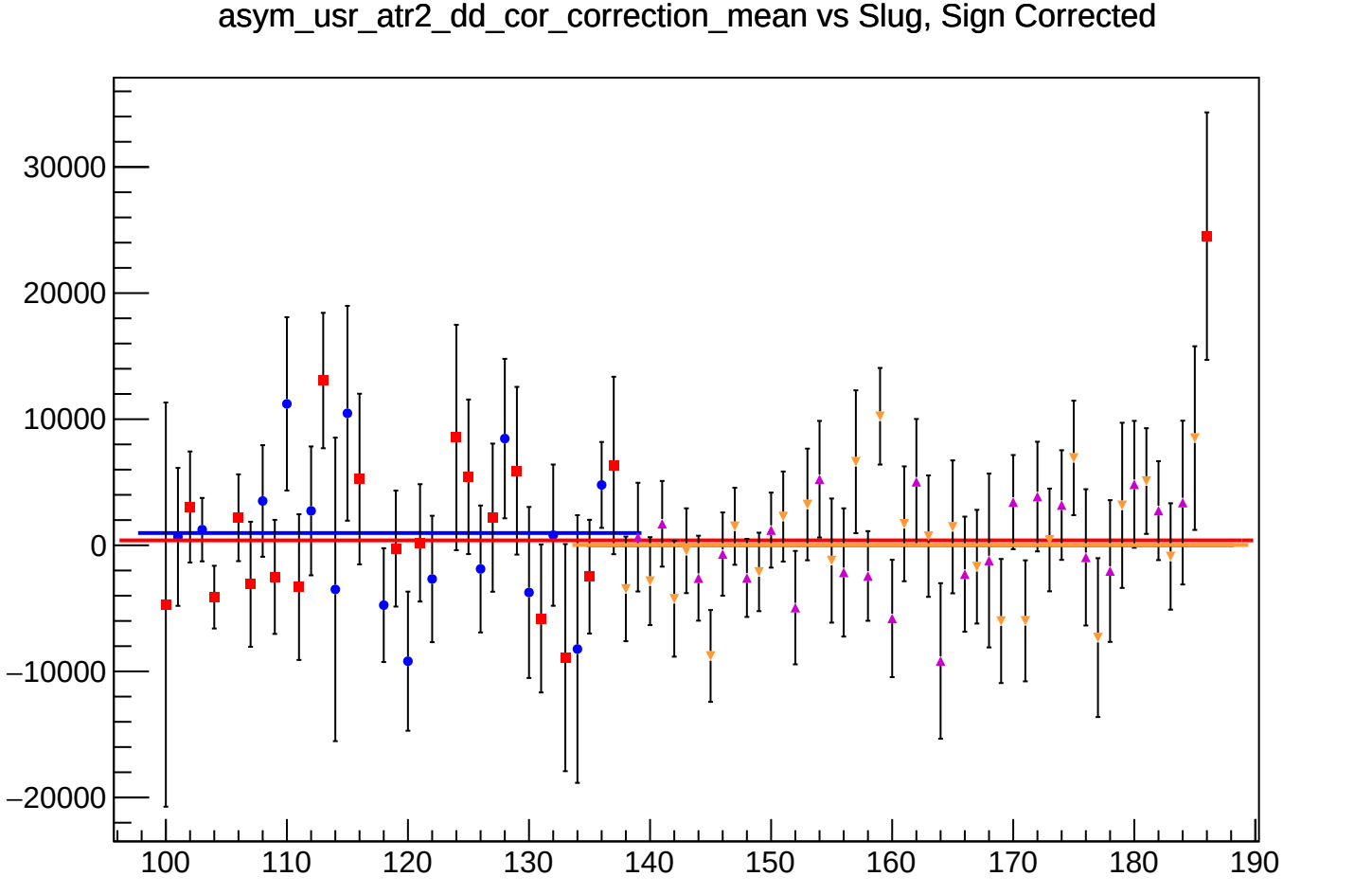
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1104.108+/-0.207 χ^2/NDF: 1441101.5/35

In: 1104.959+/-0.156 χ^2/NDF:902487.6/38

Out: 1101.763+/-0.151 χ^2/NDF:741025.4/44

All: 1103.309+/-0.108 χ^2/NDF: 1643730.2/83



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

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

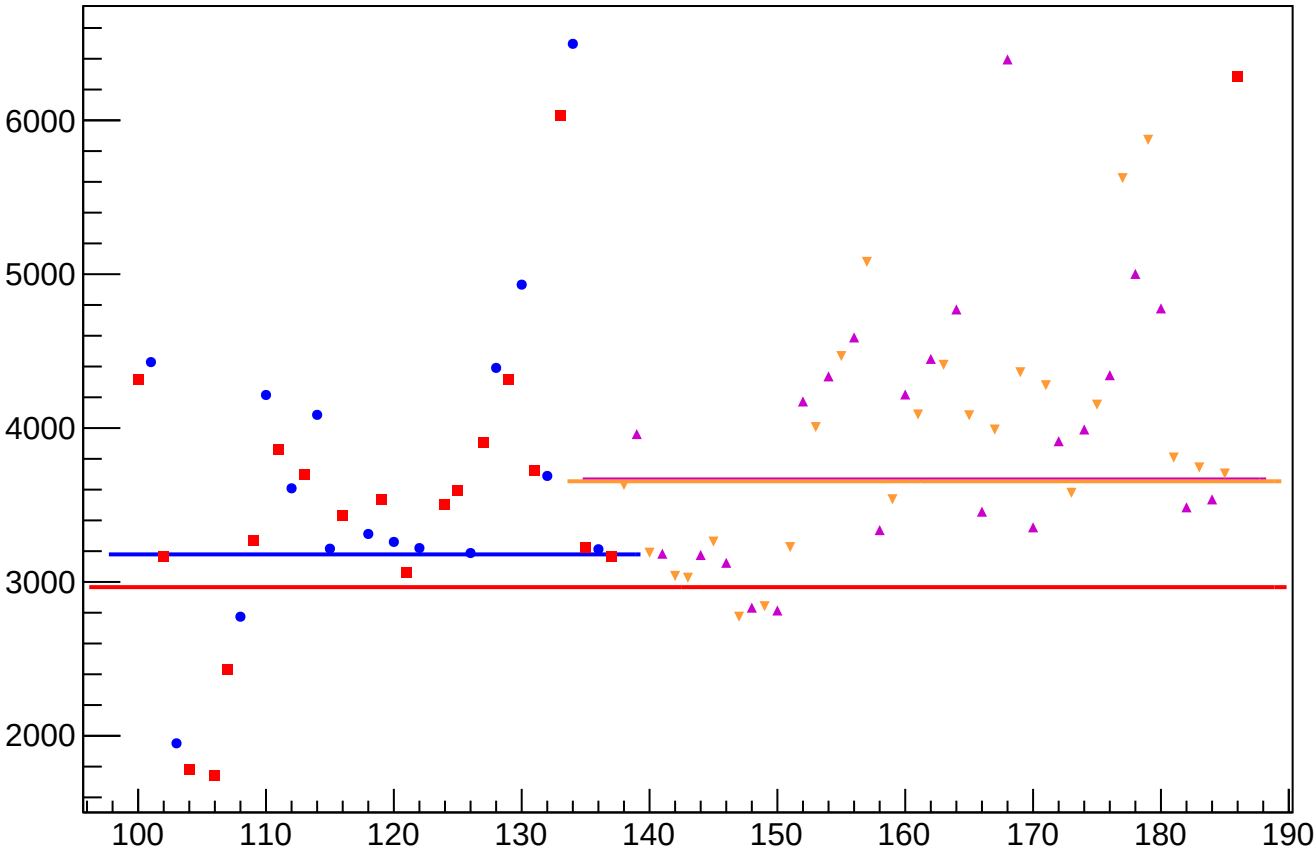
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 657.054+/-833.137 χ^2/NDF: 37.0/35

In: 330.404+/-713.678 χ^2/NDF:28.2/38

Out: 156.330+/-679.554 χ^2/NDF:51.6/44

All: 239.106+/-492.139 χ^2/NDF: 79.9/83



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

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

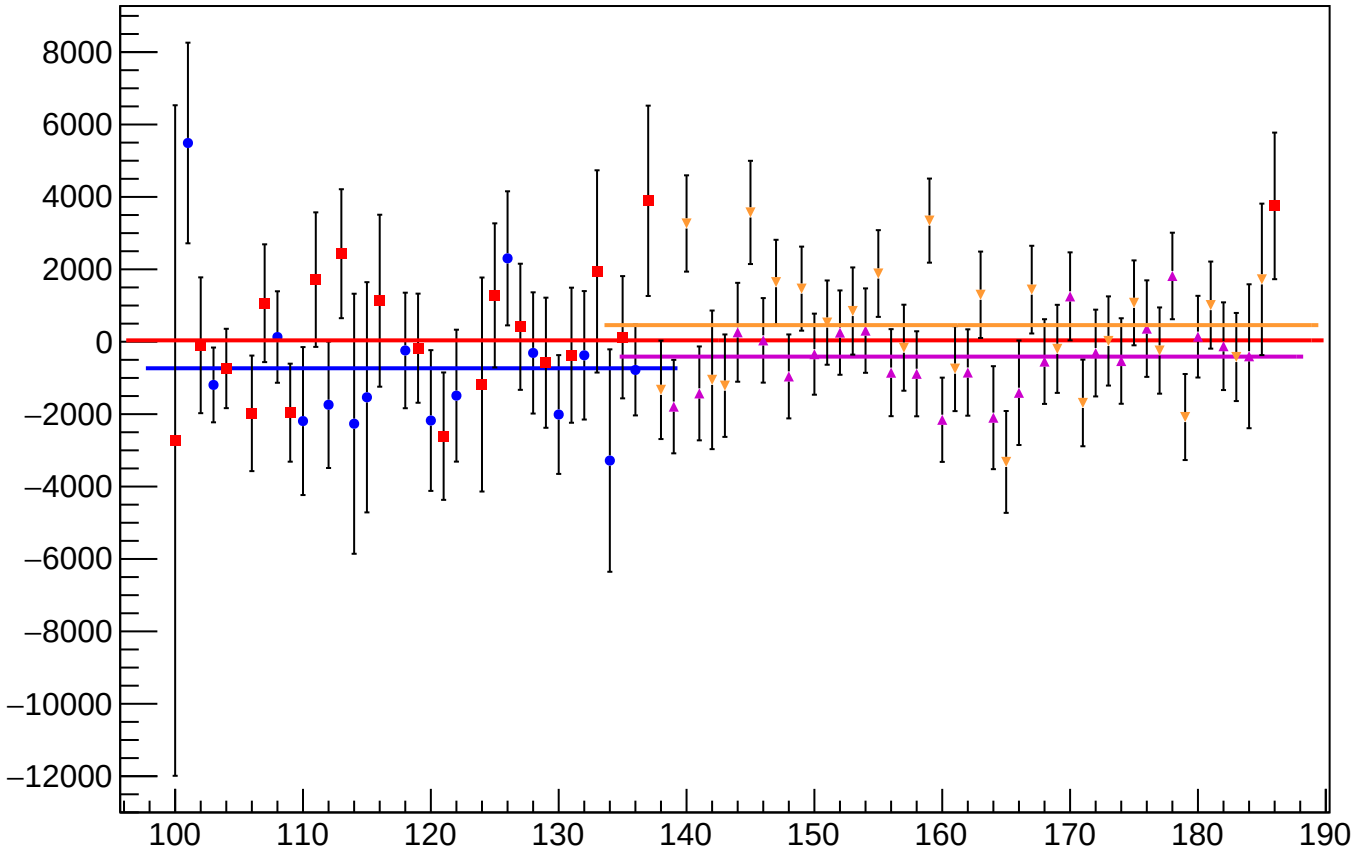
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3063.445+/-0.589 χ^2/NDF: 2668435.3/35

In: 3502.884+/-0.505 χ^2/NDF:2642507.7/38

Out: 3405.544+/-0.481 χ^2/NDF:3329657.7/44

All: 3451.831+/-0.348 χ^2/NDF: 5991679.1/83



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

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

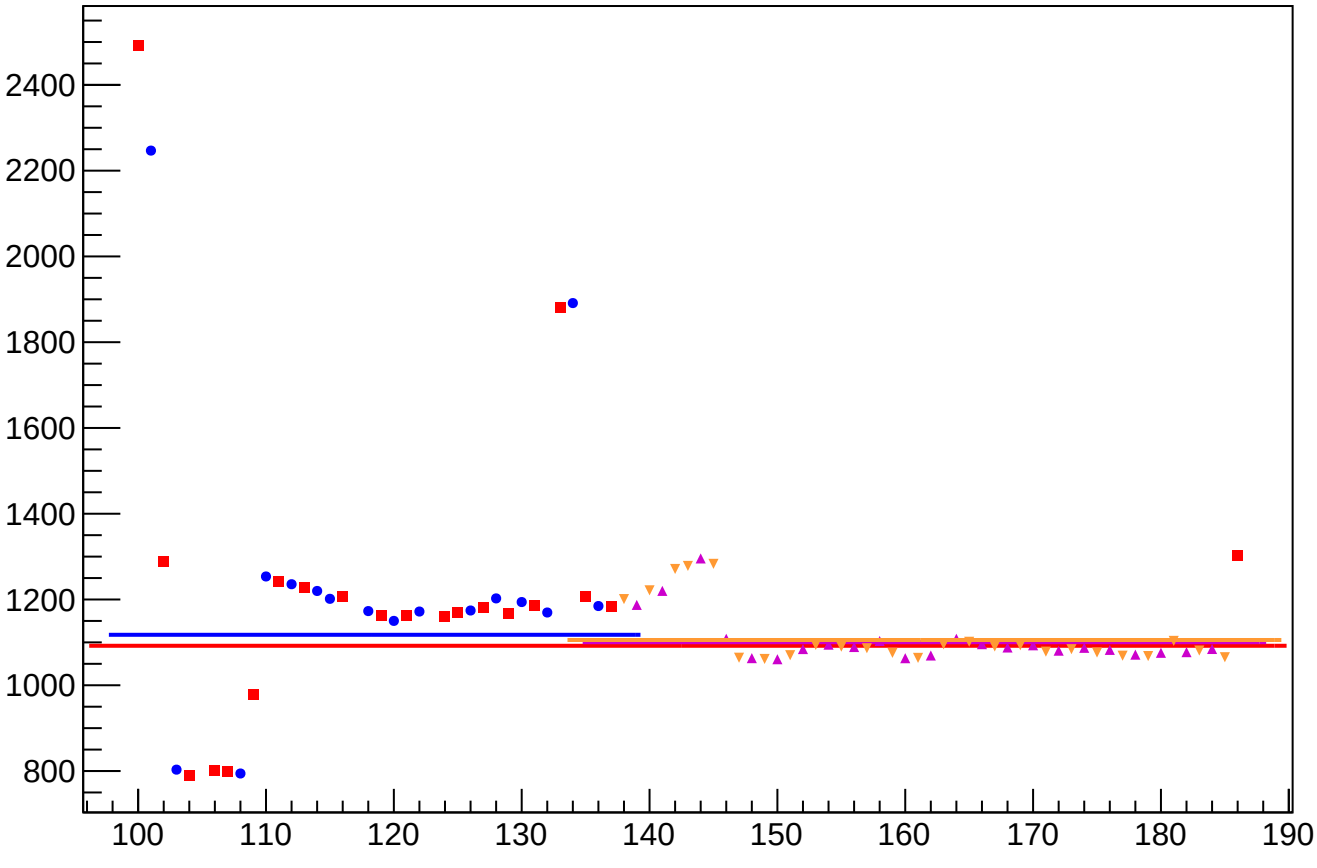
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -324.855+/-293.282 χ^2/NDF: 30.1/35

In: -496.648+/-220.373 χ^2/NDF:25.8/38

Out: 340.973+/-213.413 χ^2/NDF:59.5/44

All: -64.403+/-153.307 χ^2/NDF: 92.7/83



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

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

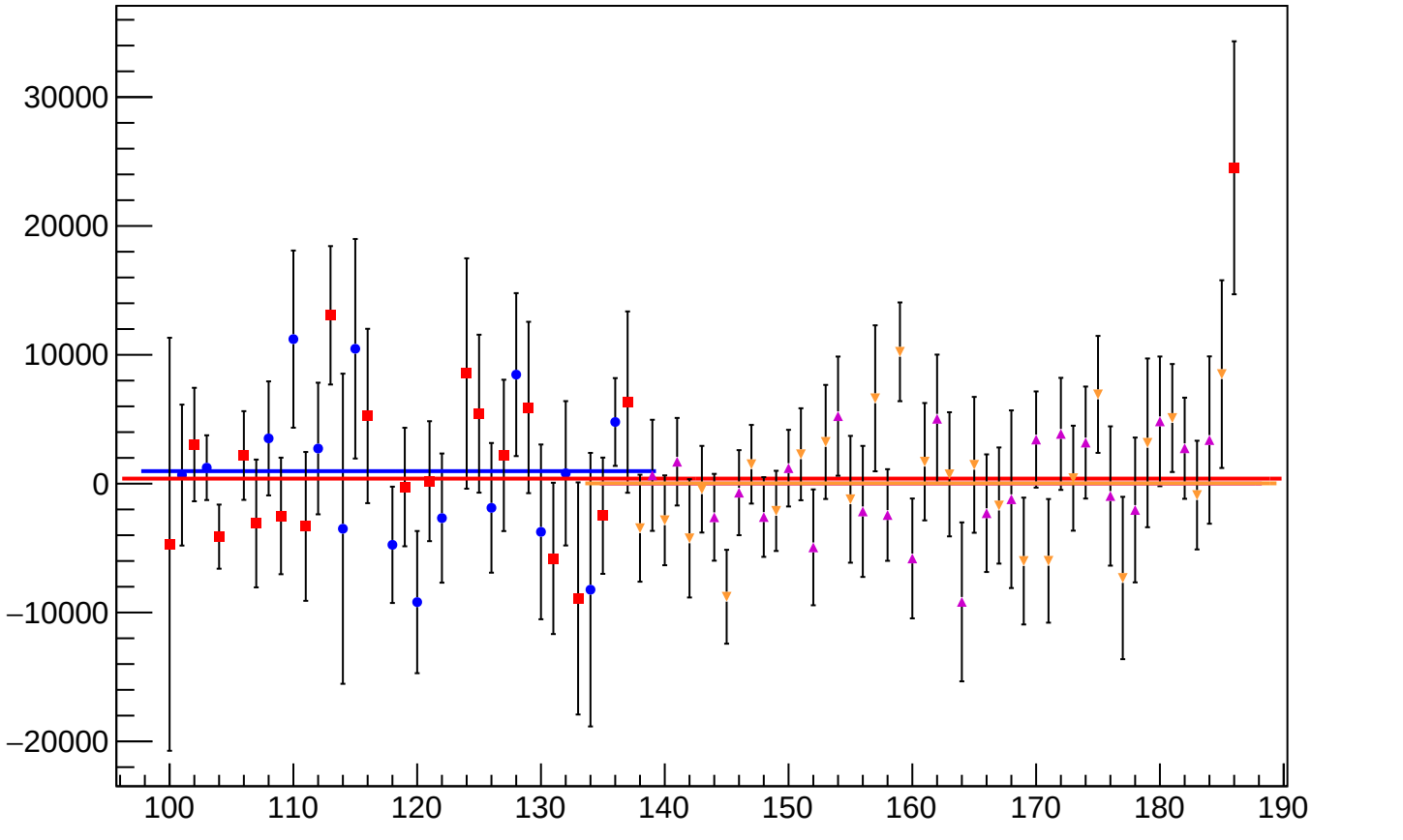
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1104.108+/-0.207 χ^2/NDF: 1441101.5/35

In: 1104.959+/-0.156 χ^2/NDF:902487.6/38

Out: 1101.763+/-0.151 χ^2/NDF:741025.4/44

All: 1103.309+/-0.108 χ^2/NDF: 1643730.2/83


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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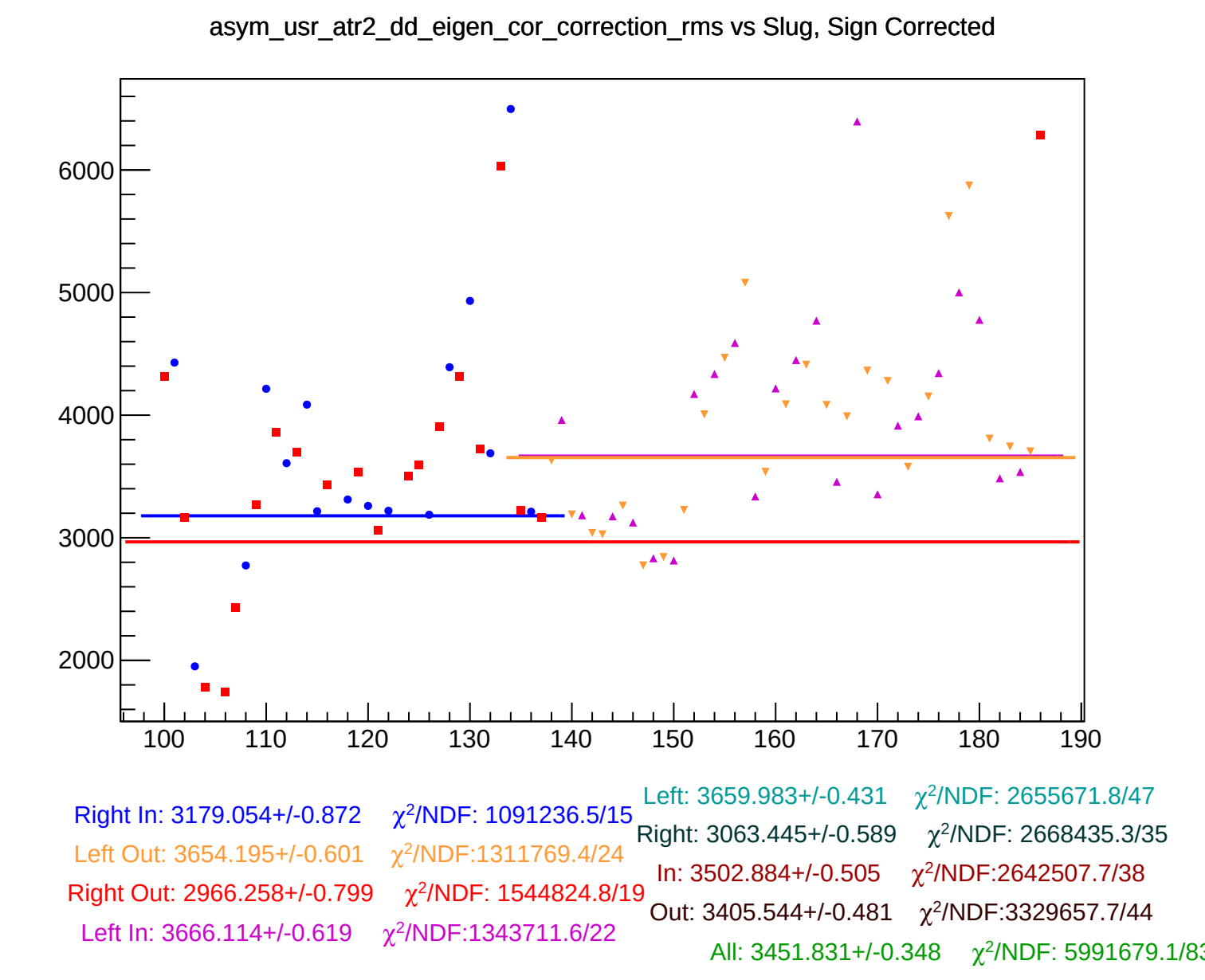
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 391.237+/-1130.324 χ²/NDF: 23.1/19
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 657.054+/-833.137 χ²/NDF: 37.0/35
In: 330.404+/-713.678 χ²/NDF:28.2/38
Out: 156.330+/-679.554 χ²/NDF:51.6/44
All: 239.106+/-492.139 χ²/NDF: 79.9/83


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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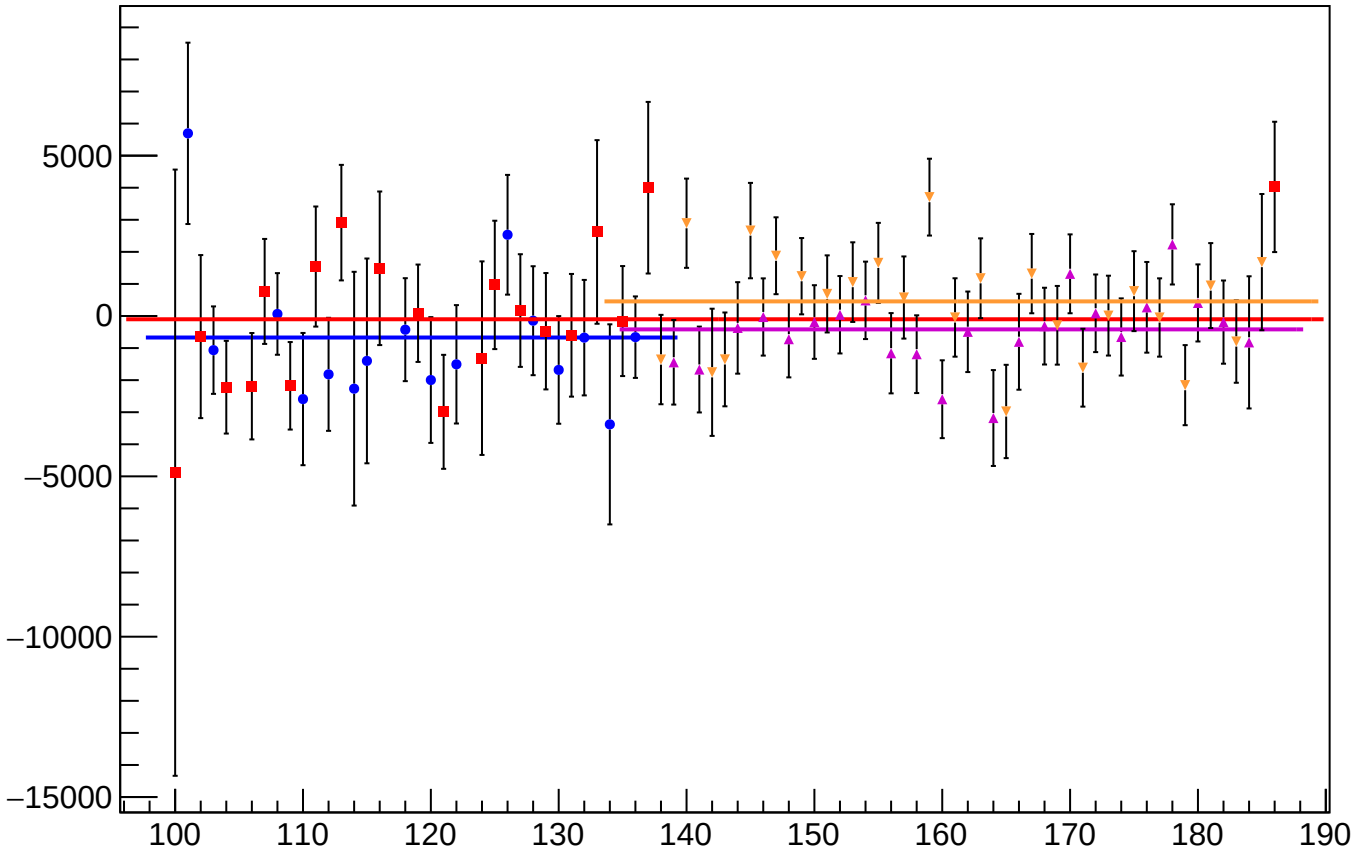
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 2966.258+/-0.799 χ²/NDF: 1544824.8/19
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3063.445+/-0.589 χ²/NDF: 2668435.3/35
In: 3502.884+/-0.505 χ²/NDF:2642507.7/38
Out: 3405.544+/-0.481 χ²/NDF:3329657.7/44
All: 3451.831+/-0.348 χ²/NDF: 5991679.1/83



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

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

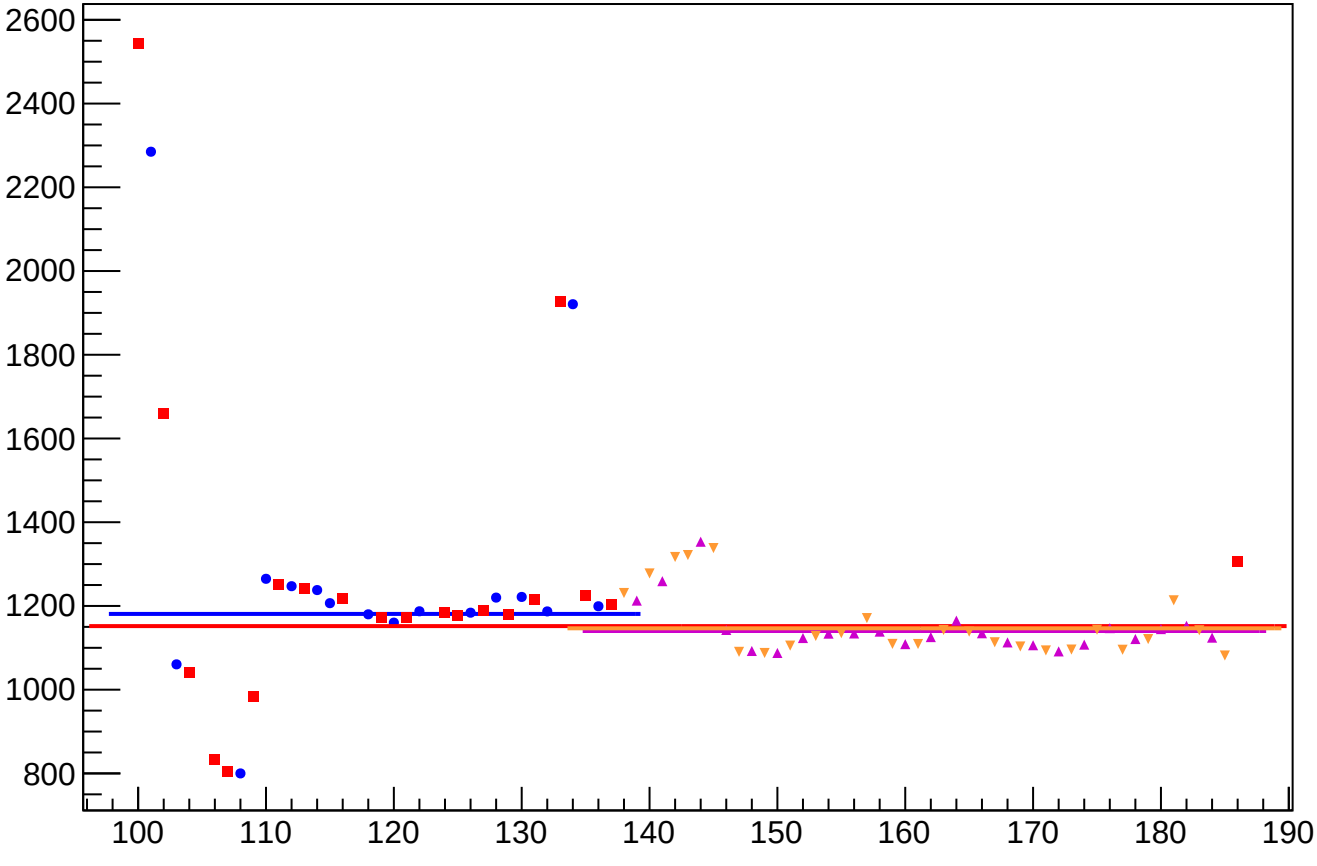
Right: -370.842+/-308.427 χ^2/NDF: 34.0/35

In: -483.412+/-229.158 χ^2/NDF:29.4/38

Out: 302.964+/-222.387 χ^2/NDF:58.6/44

All: -78.434+/-159.591 χ^2/NDF: 94.1/83

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

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

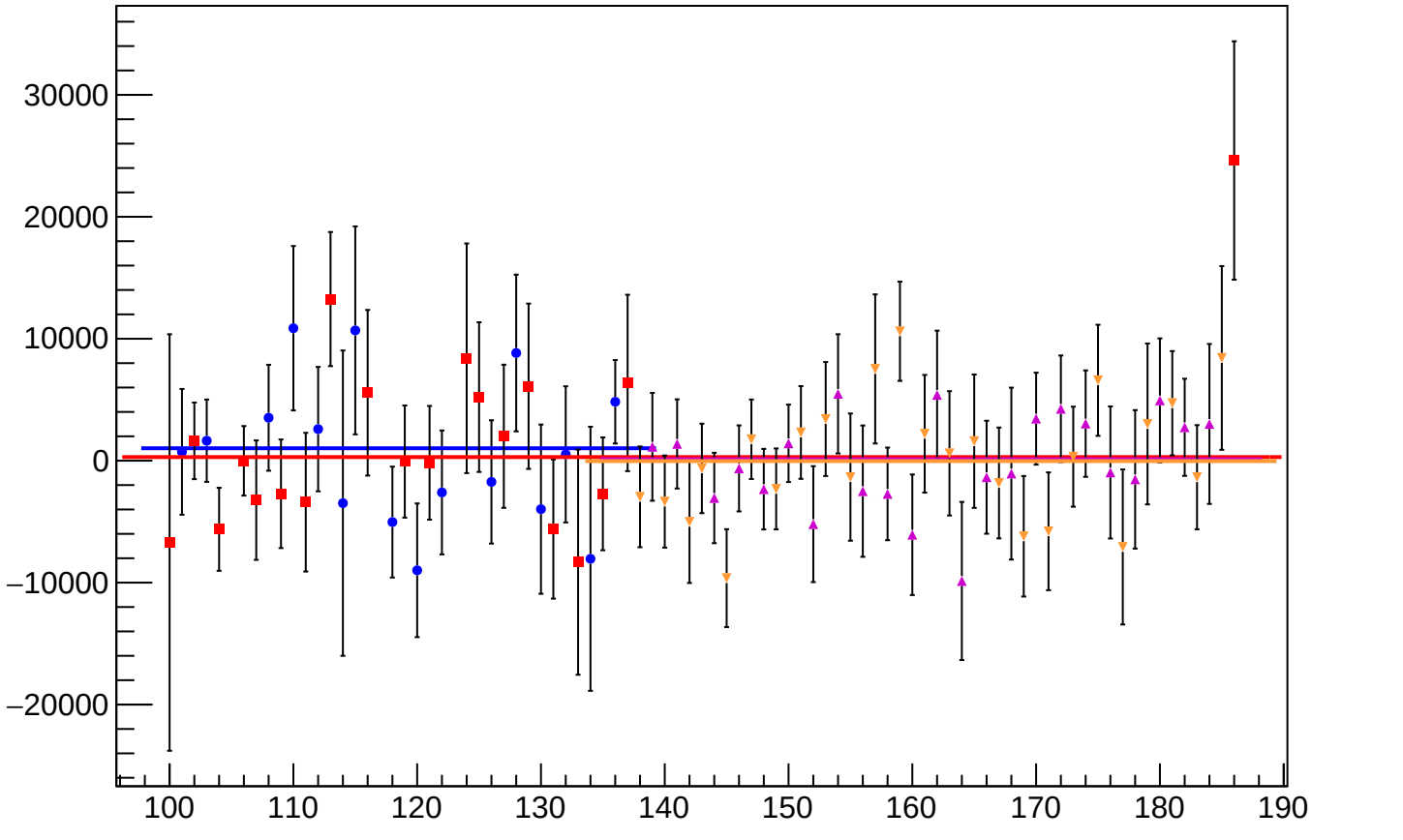
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1165.618+/-0.218 χ^2/NDF: 1136261.1/35

In: 1150.816+/-0.162 χ^2/NDF:718838.7/38

Out: 1148.054+/-0.157 χ^2/NDF:651184.8/44

All: 1149.394+/-0.113 χ^2/NDF: 1370173.1/83



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

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

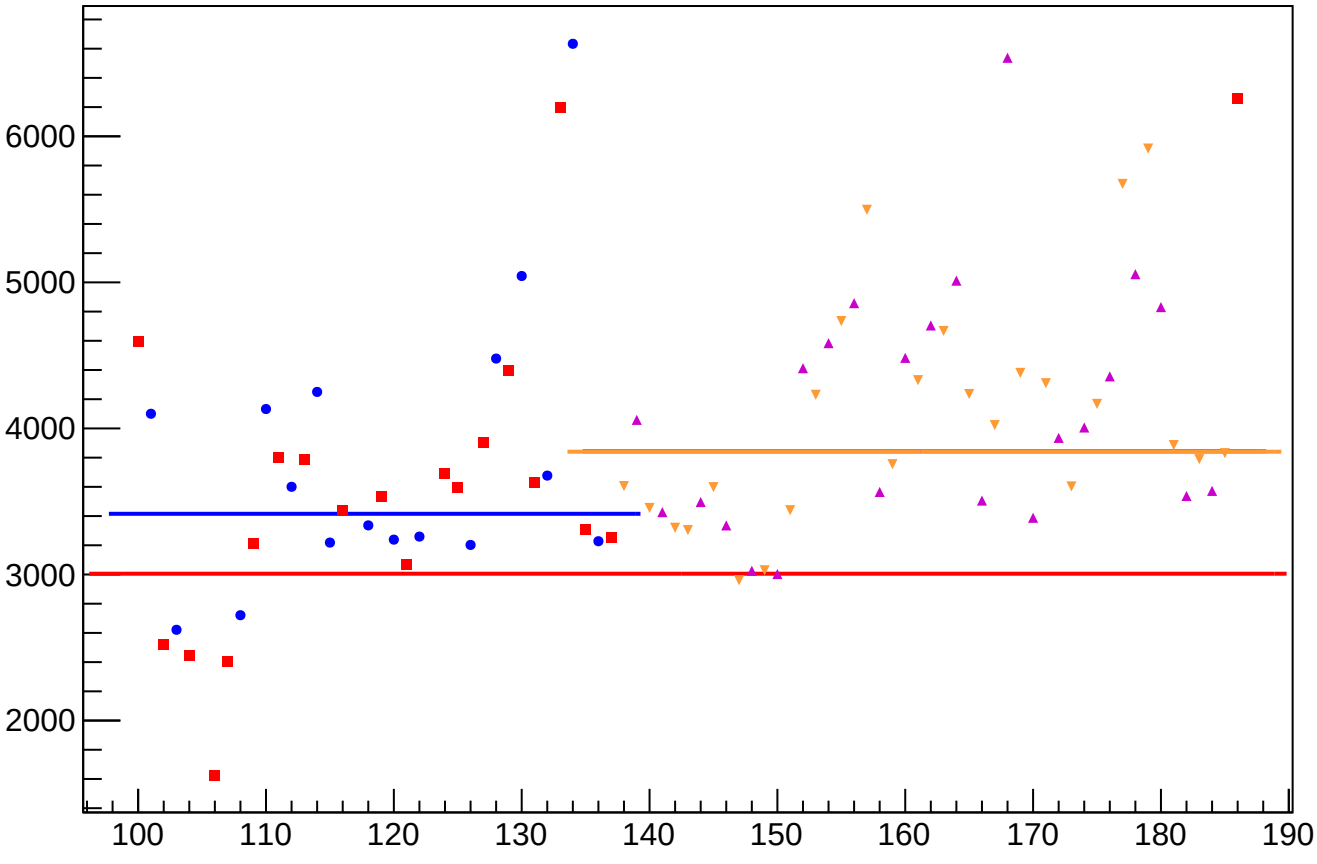
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 604.934+/-850.611 χ^2/NDF: 36.5/35

In: 418.770+/-749.097 χ^2/NDF:28.0/38

Out: 93.574+/-698.230 χ^2/NDF:50.2/44

All: 244.757+/-510.760 χ^2/NDF: 78.3/83



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

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

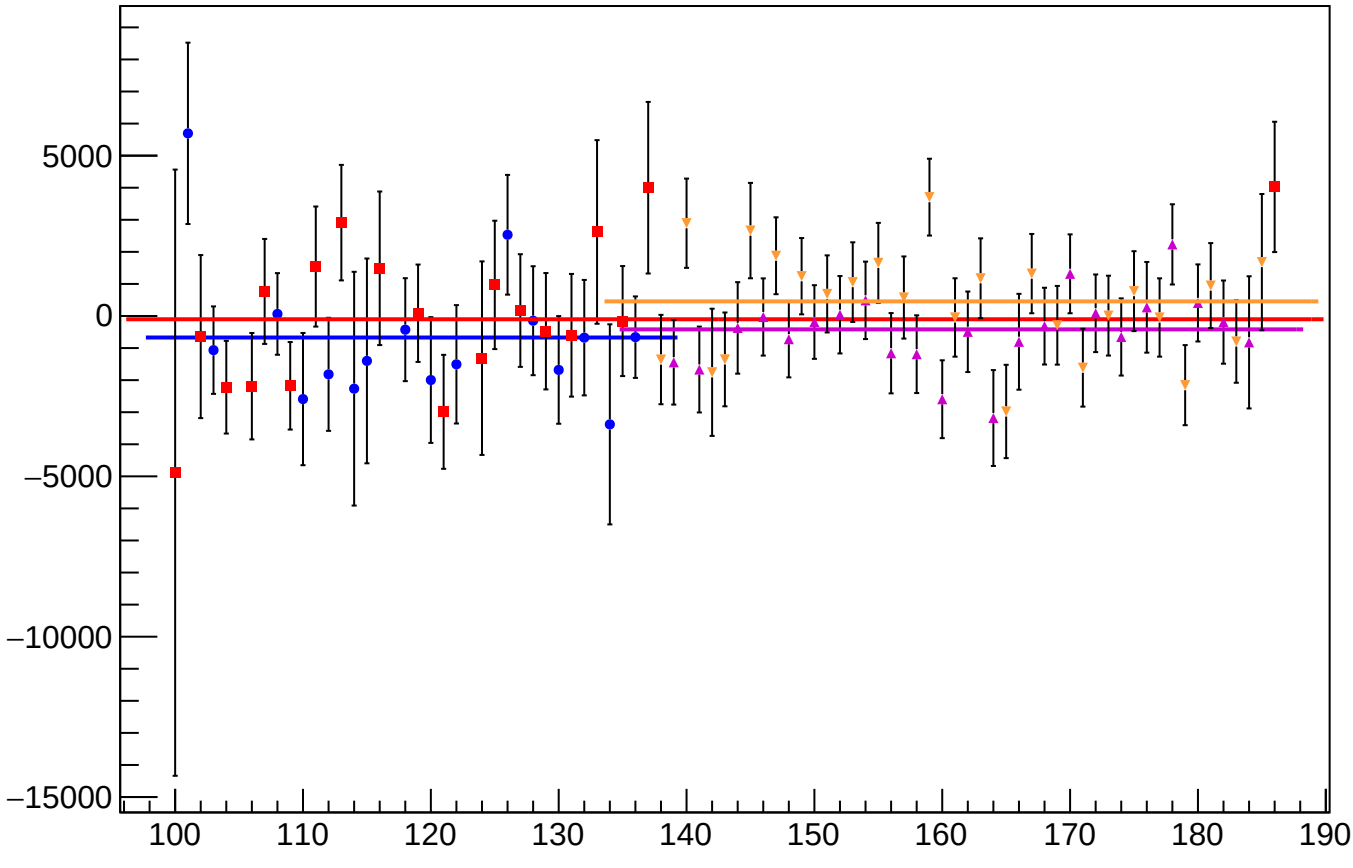
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3180.310+/-0.601 χ^2/NDF: 2099637.3/35

In: 3701.834+/-0.530 χ^2/NDF:1932753.7/38

Out: 3517.980+/-0.494 χ^2/NDF:3191147.9/44

All: 3603.453+/-0.361 χ^2/NDF: 5188368.3/83



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

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

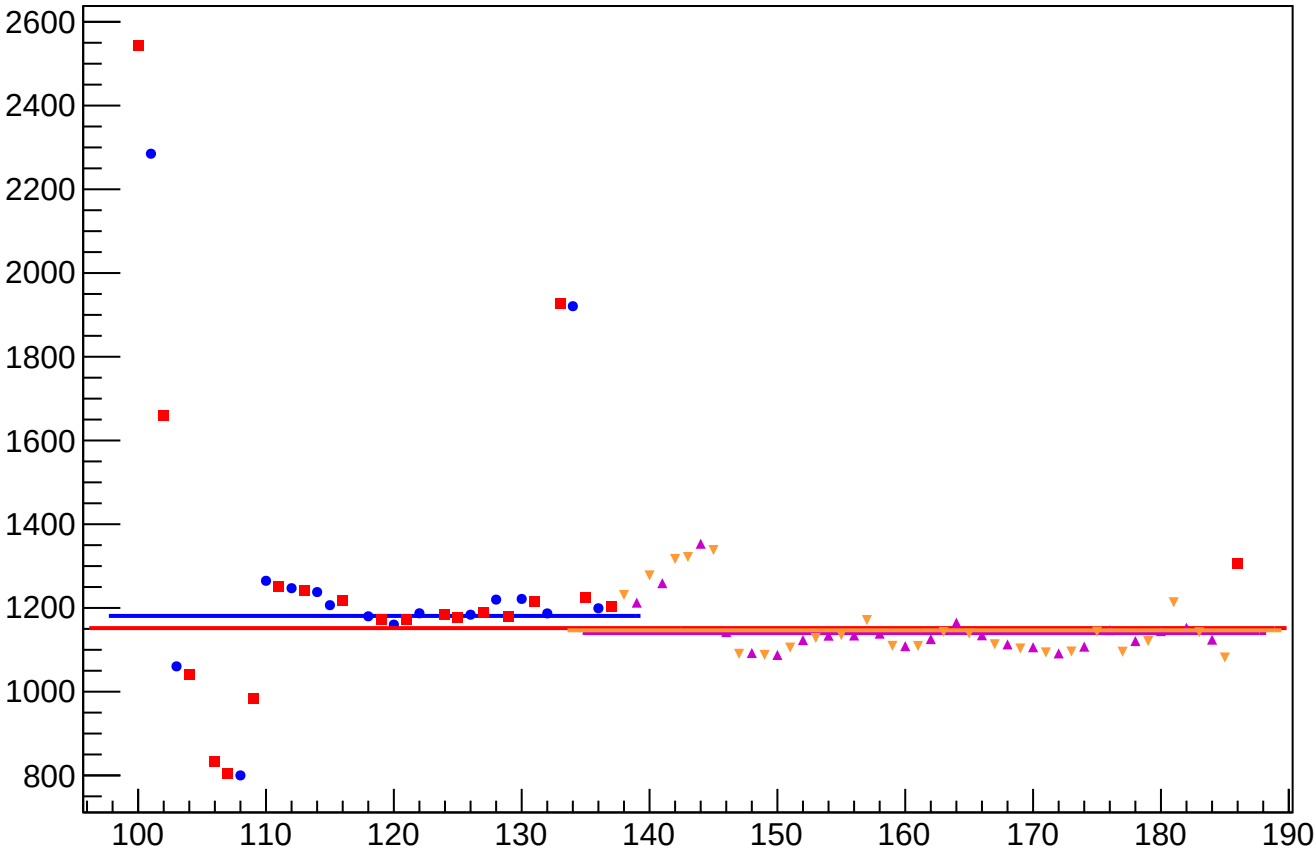
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -370.849+/-308.427 χ^2/NDF: 34.0/35

In: -483.413+/-229.158 χ^2/NDF:29.4/38

Out: 302.965+/-222.387 χ^2/NDF:58.6/44

All: -78.434+/-159.591 χ^2/NDF: 94.1/83



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

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

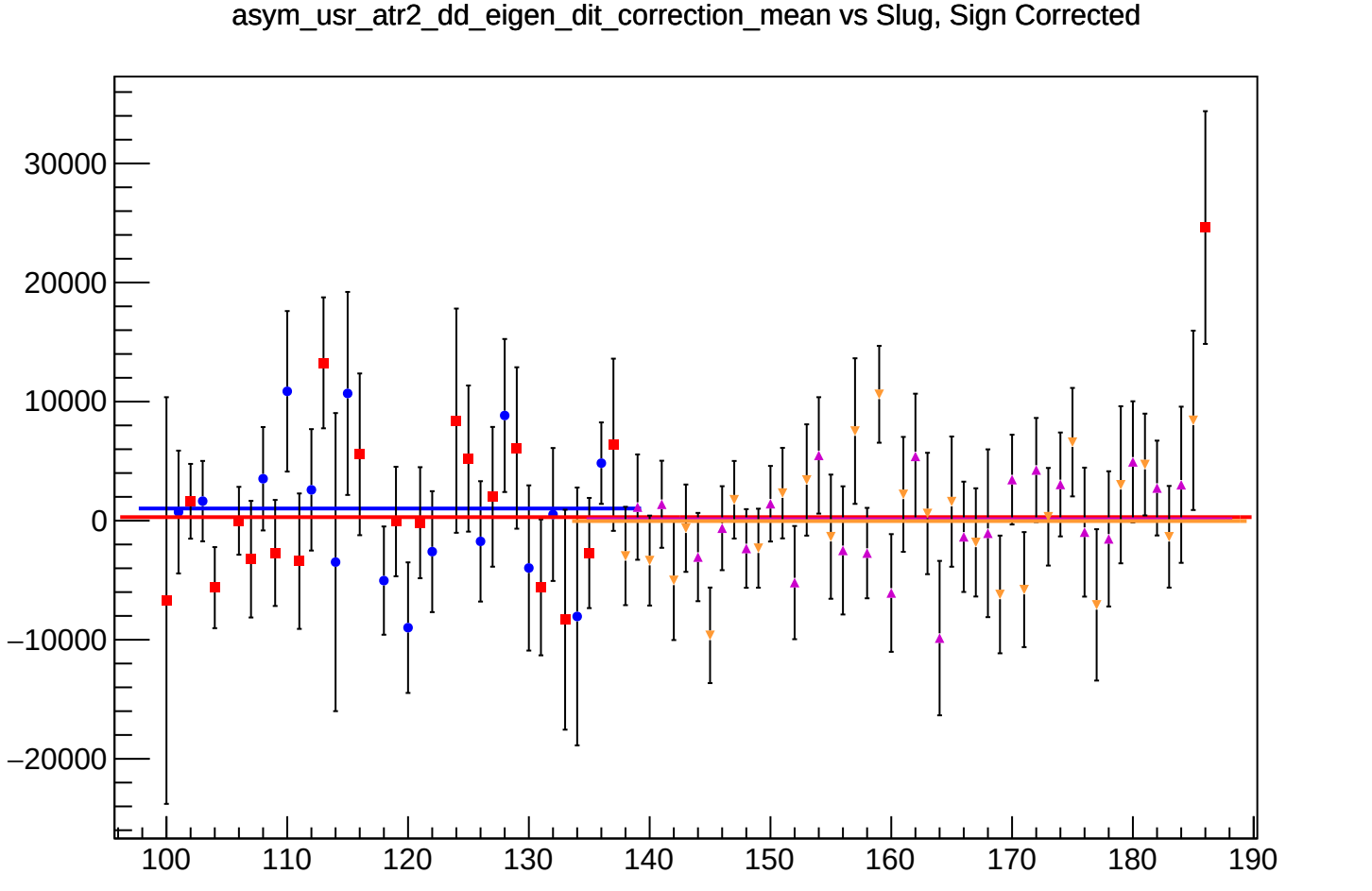
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1165.618+/-0.218 χ^2/NDF: 1136260.9/35

In: 1150.817+/-0.162 χ^2/NDF:718838.2/38

Out: 1148.055+/-0.157 χ^2/NDF:651184.4/44

All: 1149.394+/-0.113 χ^2/NDF: 1370172.2/83


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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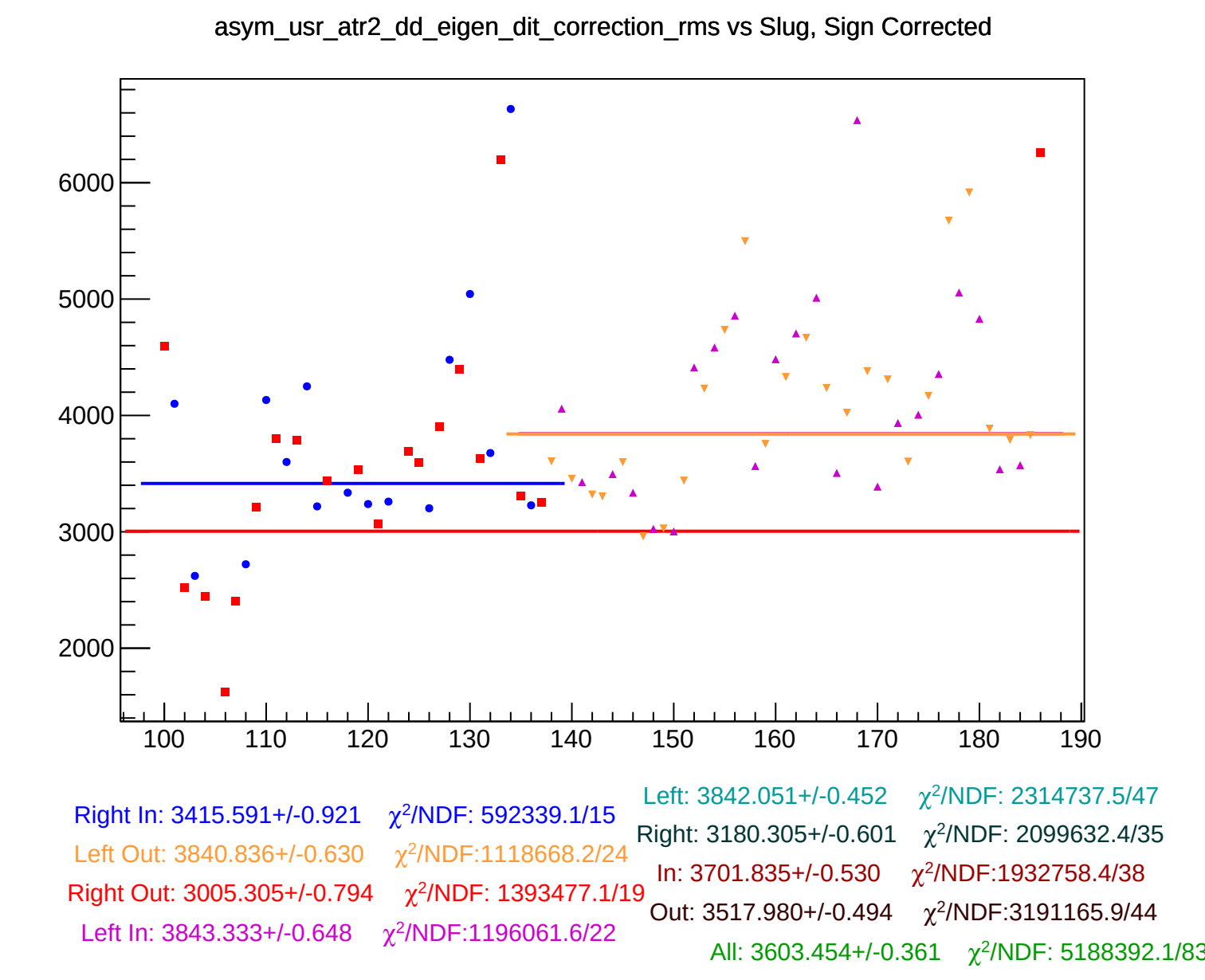
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 295.432+/-1123.248 χ²/NDF: 22.4/19
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 604.923+/-850.610 χ²/NDF: 36.5/35
In: 418.767+/-749.097 χ²/NDF:28.0/38
Out: 93.572+/-698.230 χ²/NDF:50.2/44
All: 244.755+/-510.760 χ²/NDF: 78.3/83


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
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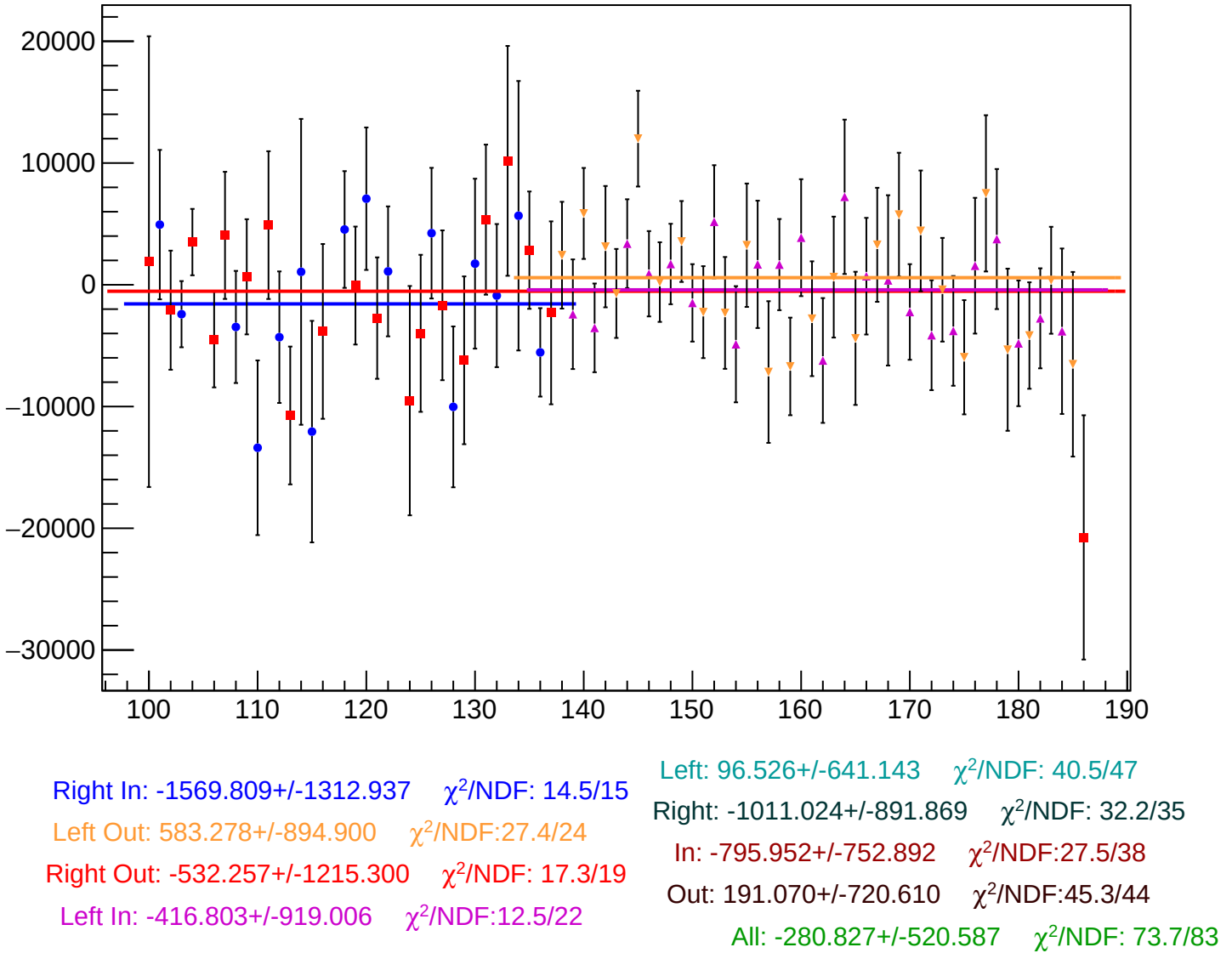
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3840.836+/-0.630 χ²/NDF:1118668.2/24
Right Out: 3005.305+/-0.794 χ²/NDF: 1393477.1/19
Left In: 3843.333+/-0.648 χ²/NDF:1196061.6/22
Left: 3842.051+/-0.452 χ²/NDF: 2314737.5/47
Right: 3180.305+/-0.601 χ²/NDF: 2099632.4/35
In: 3701.835+/-0.530 χ²/NDF:1932758.4/38
Out: 3517.980+/-0.494 χ²/NDF:3191165.9/44
All: 3603.454+/-0.361 χ²/NDF: 5188392.1/83


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
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−20000
−30000
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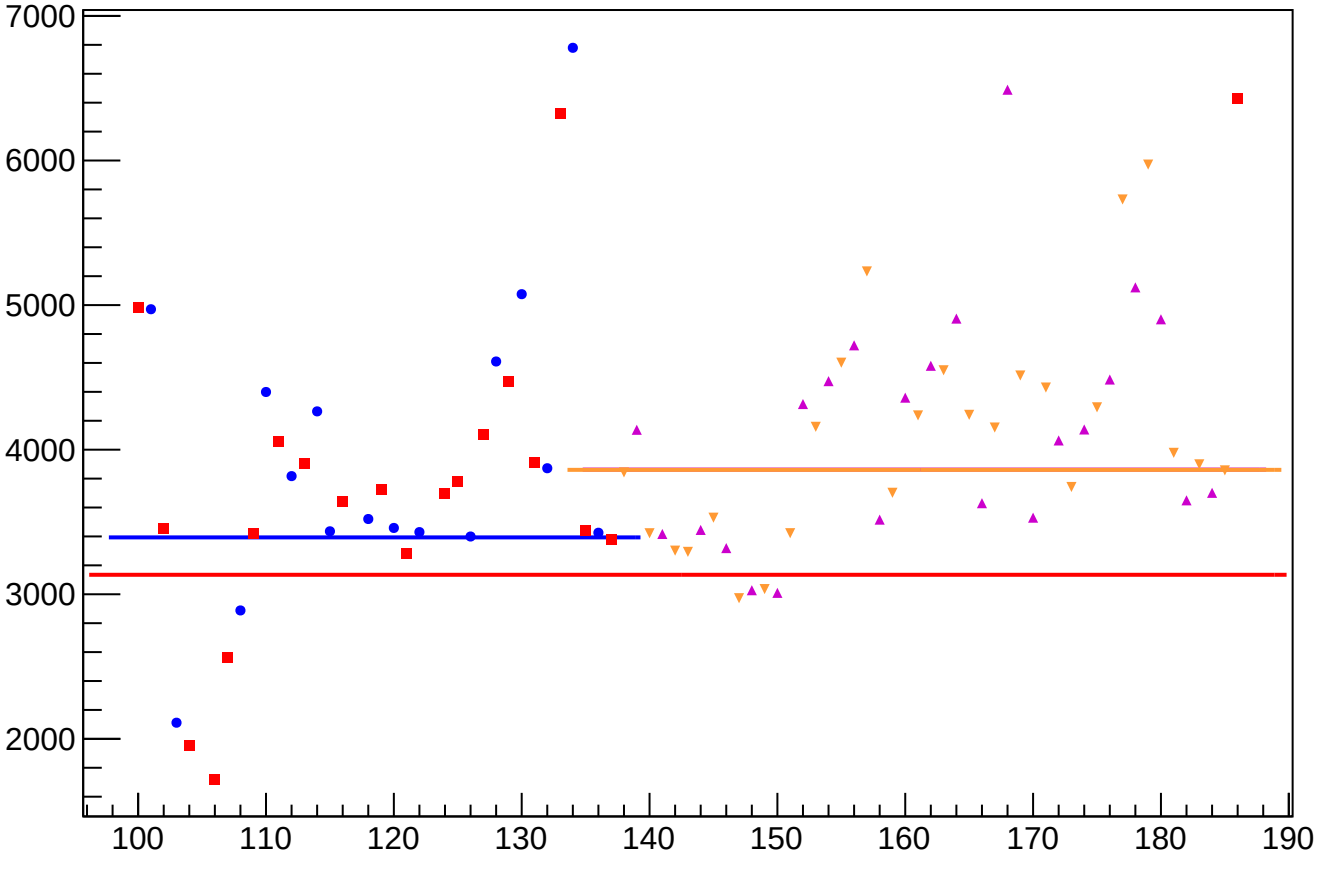
170
180
190
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 583.278+/-894.900 χ²/NDF:27.4/24
Right Out: -532.257+/-1215.300 χ²/NDF: 17.3/19
Left In: -416.803+/-919.006 χ²/NDF:12.5/22
Left: 96.526+/-641.143 χ²/NDF: 40.5/47
Right: -1011.024+/-891.869 χ²/NDF: 32.2/35
In: -795.952+/-752.892 χ²/NDF:27.5/38
Out: 191.070+/-720.610 χ²/NDF:45.3/44
All: -280.827+/-520.587 χ²/NDF: 73.7/83

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

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

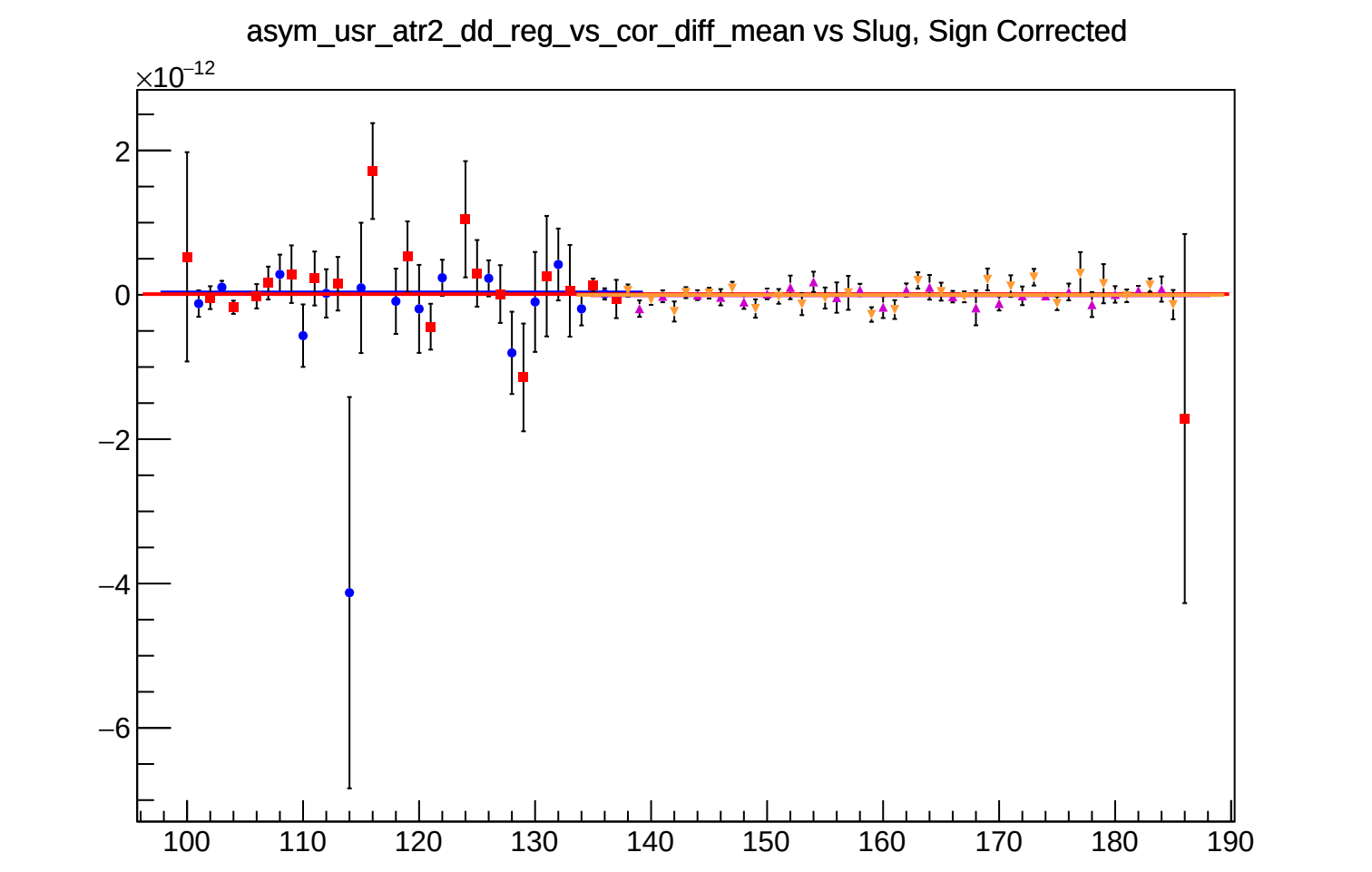
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3251.932+/-0.625 χ^2/NDF: 2638050.5/35

In: 3708.124+/-0.532 χ^2/NDF:2362152.5/38

Out: 3599.812+/-0.507 χ^2/NDF:3116787.6/44

All: 3651.277+/-0.367 χ^2/NDF: 5500664.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

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

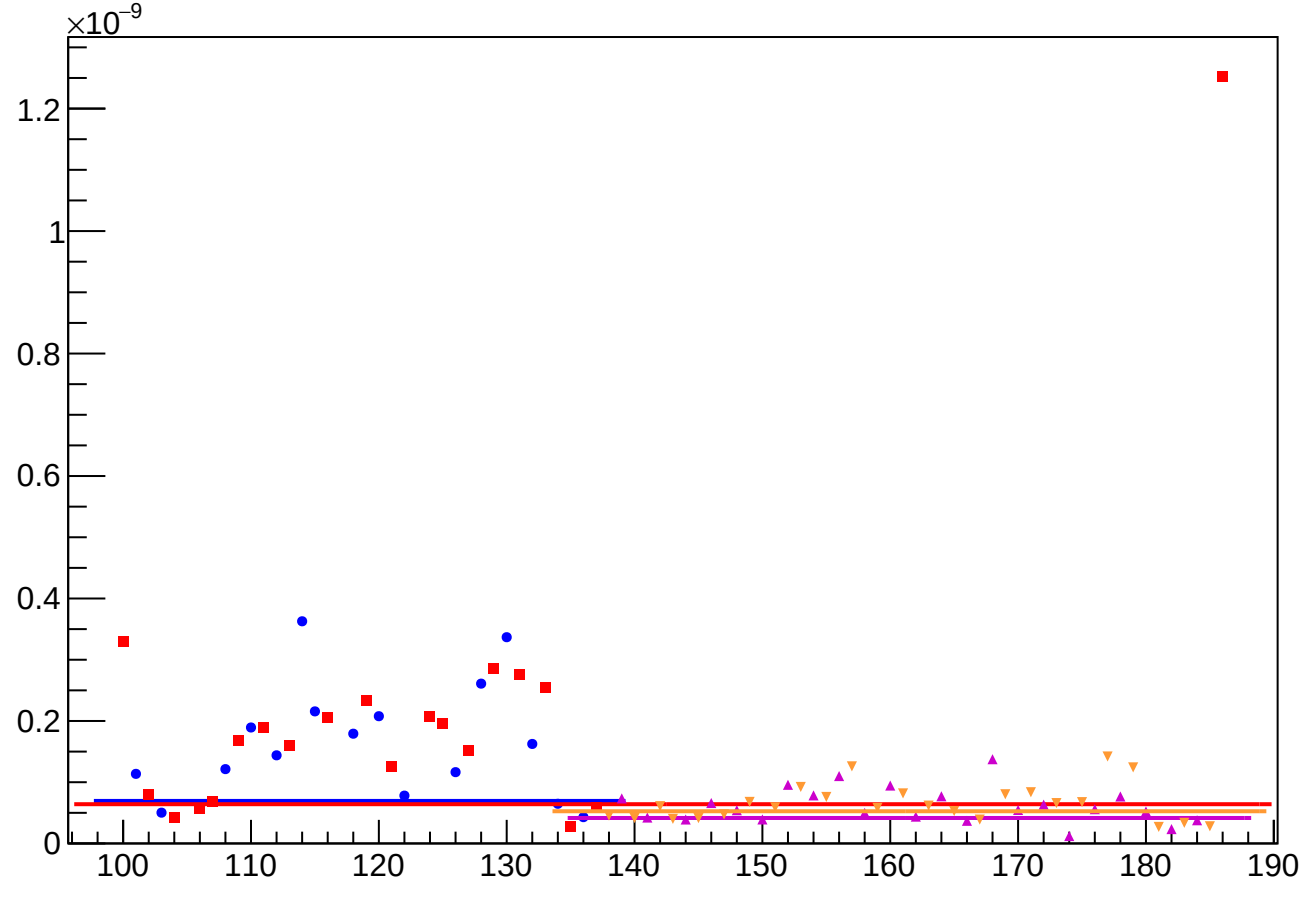
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 34.3/35

In: -0.000+/-0.000 χ^2/NDF:25.2/38

Out: -0.000+/-0.000 χ^2/NDF:56.6/44

All: -0.000+/-0.000 χ^2/NDF: 81.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2682934.2/19

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

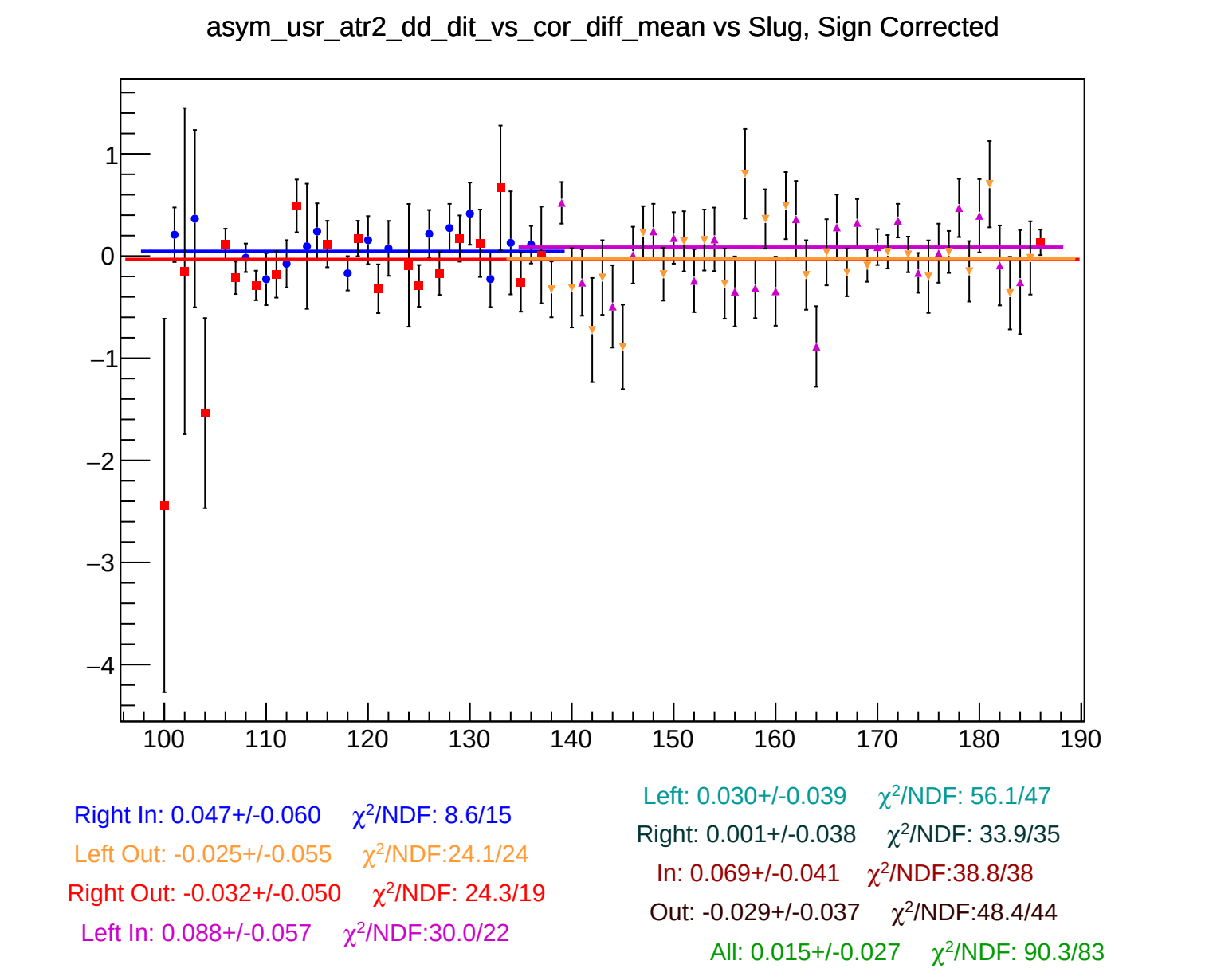
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 4424167.5/35

In: 0.000+/-0.000 χ^2/NDF:5228209.2/38

Out: 0.000+/-0.000 χ^2/NDF:4385468.7/44

All: 0.000+/-0.000 χ^2/NDF: 9841108.0/83


asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
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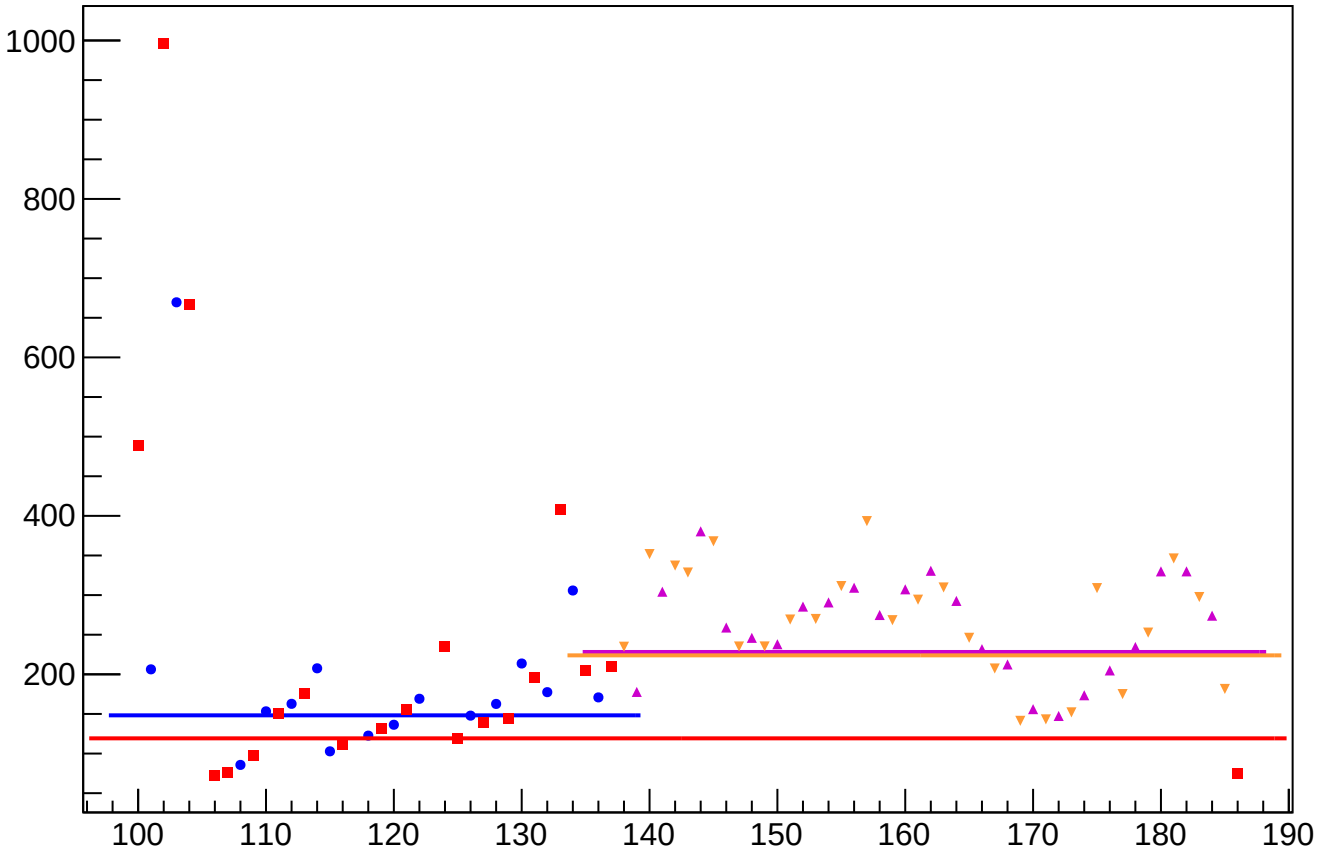
170
180
190
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.032+/-0.050 χ²/NDF: 24.3/19
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: 0.001+/-0.038 χ²/NDF: 33.9/35
In: 0.069+/-0.041 χ²/NDF:38.8/38
Out: -0.029+/-0.037 χ²/NDF:48.4/44
All: 0.015+/-0.027 χ²/NDF: 90.3/83



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

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

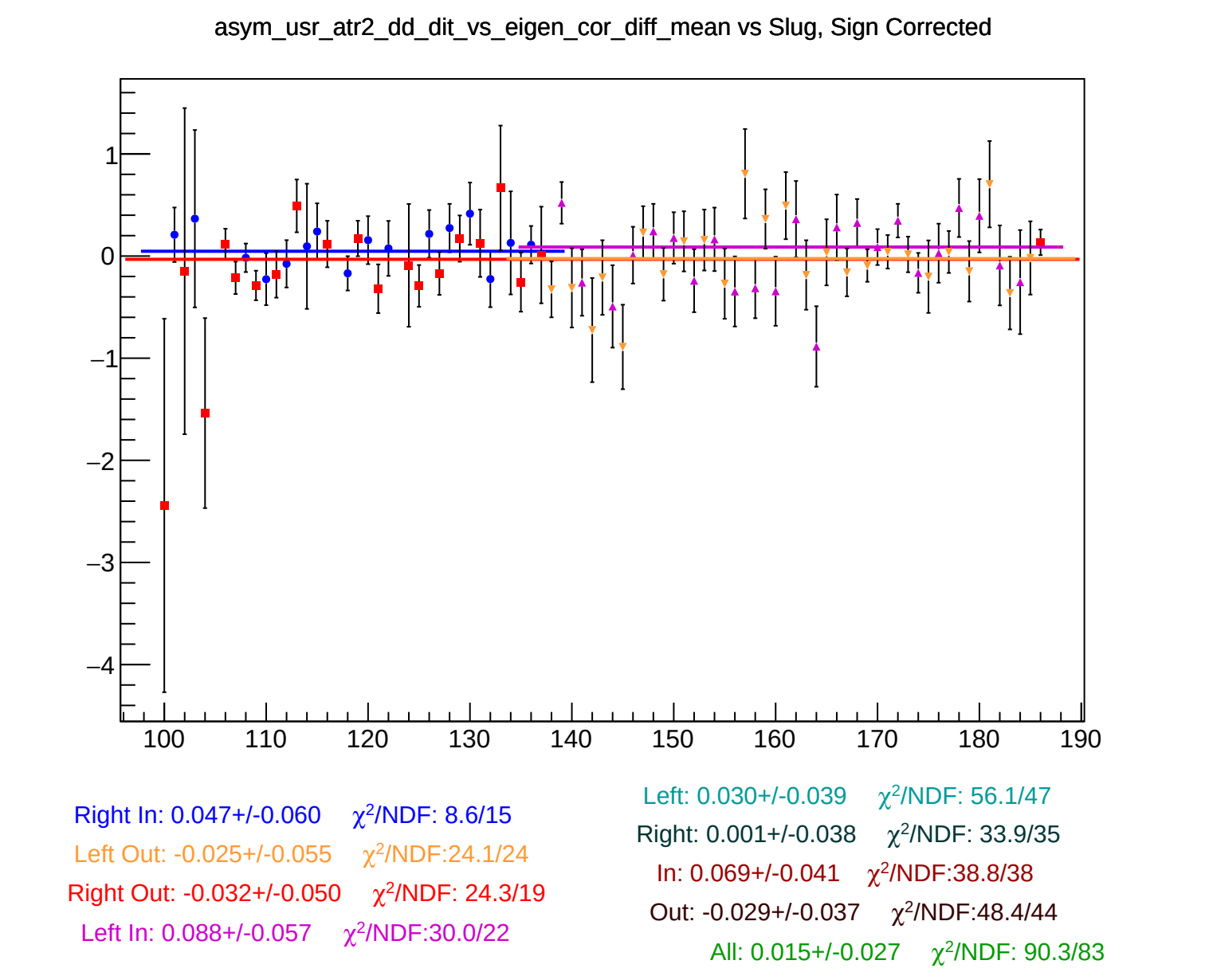
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 131.119+/-0.027 χ^2/NDF: 5127859.7/35

In: 190.528+/-0.029 χ^2/NDF:6075629.2/38

Out: 167.063+/-0.026 χ^2/NDF:10577507.1/44

All: 177.509+/-0.019 χ^2/NDF: 17013006.0/83


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
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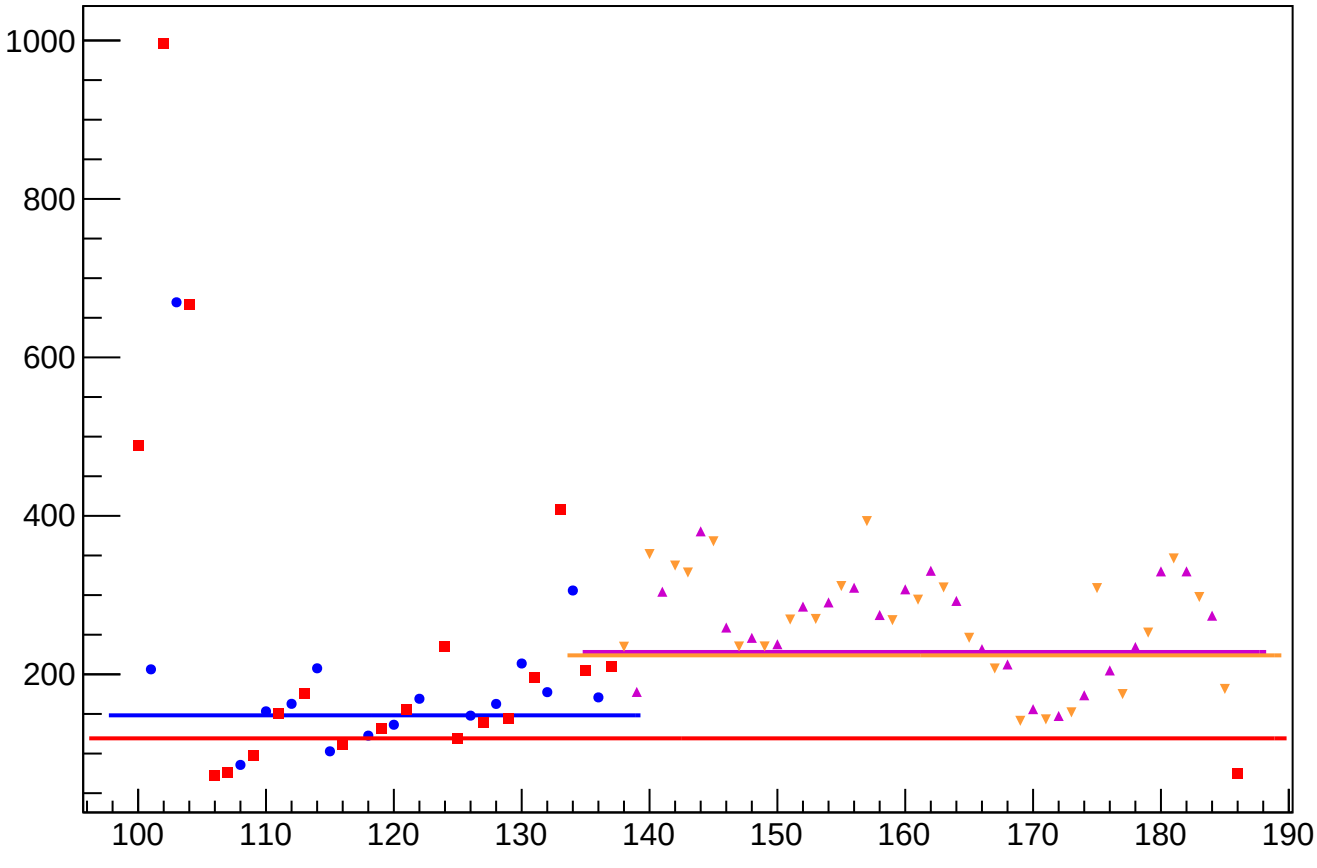
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.032+/-0.050 χ²/NDF: 24.3/19
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: 0.001+/-0.038 χ²/NDF: 33.9/35
In: 0.069+/-0.041 χ²/NDF:38.8/38
Out: -0.029+/-0.037 χ²/NDF:48.4/44
All: 0.015+/-0.027 χ²/NDF: 90.3/83



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

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

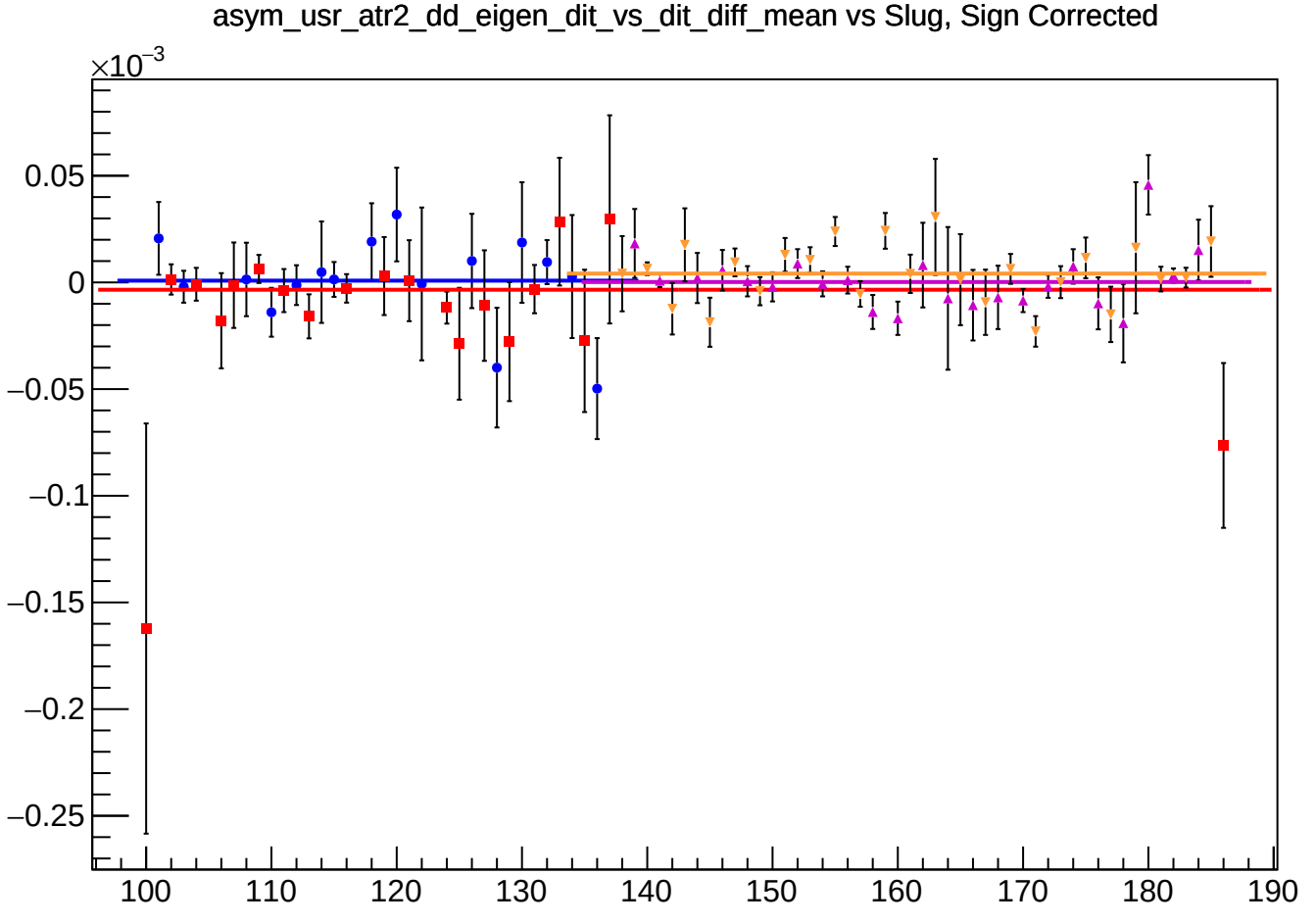
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 131.119+/-0.027 χ^2/NDF: 5127859.7/35

In: 190.528+/-0.029 χ^2/NDF:6075629.2/38

Out: 167.063+/-0.026 χ^2/NDF:10577507.1/44

All: 177.509+/-0.019 χ^2/NDF: 17013006.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

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

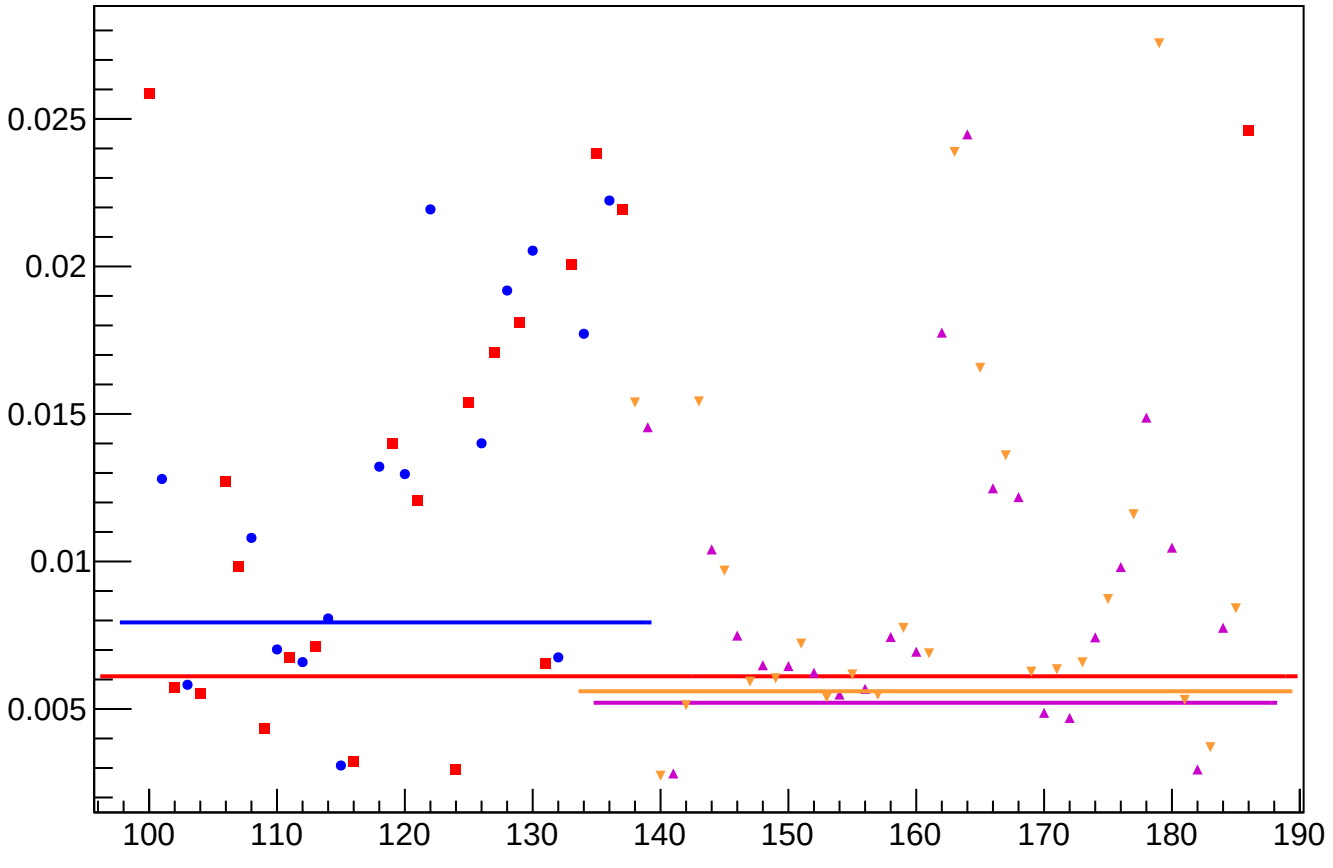
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.5/35

In: 0.000+/-0.000 χ^2/NDF:44.3/38

Out: 0.000+/-0.000 χ^2/NDF:71.5/44

All: 0.000+/-0.000 χ^2/NDF: 117.0/83



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

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

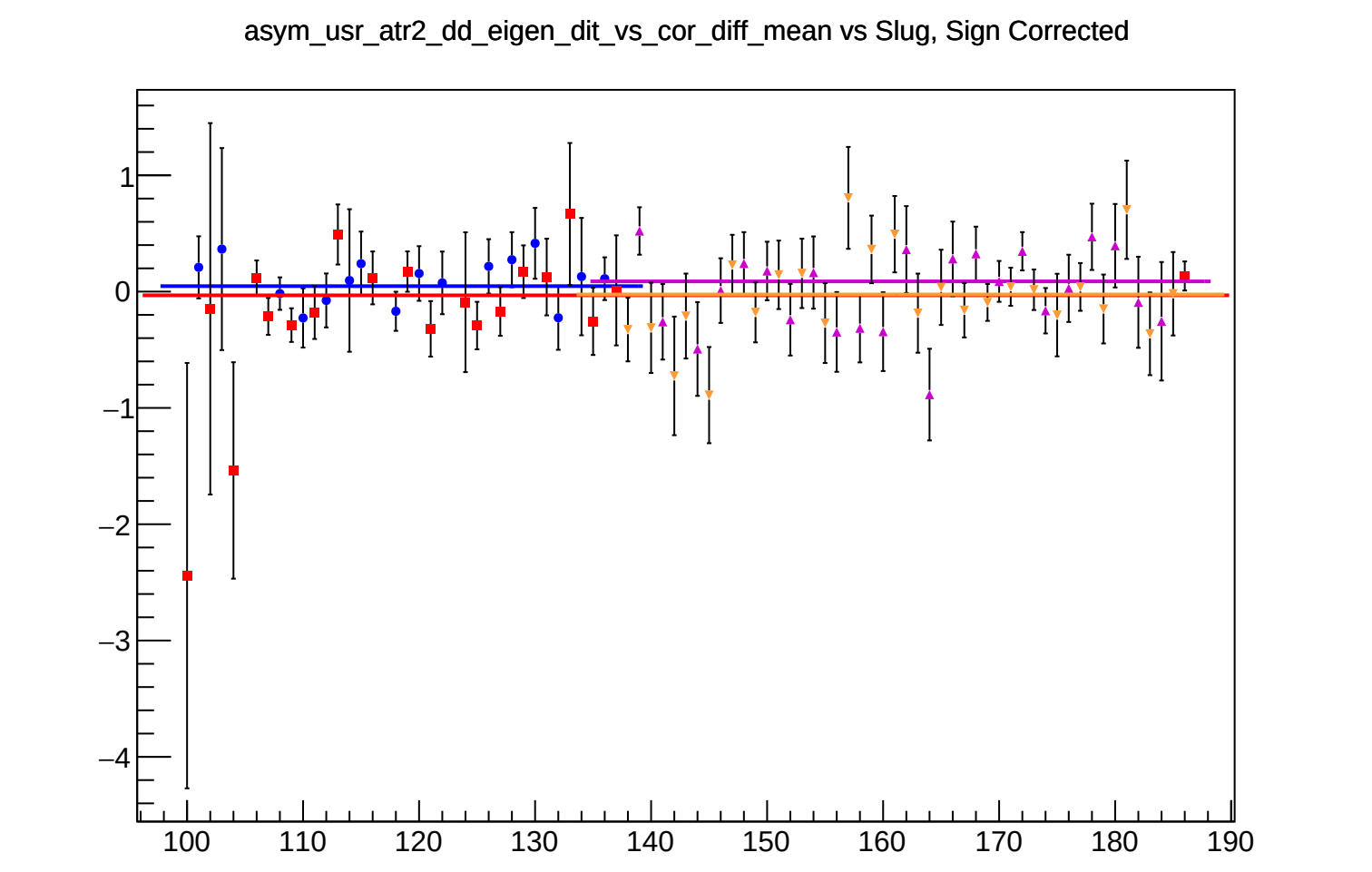
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 8400686.7/35

In: 0.006+/-0.000 χ^2/NDF:12095113.9/38

Out: 0.006+/-0.000 χ^2/NDF:12295720.2/44

All: 0.006+/-0.000 χ^2/NDF: 24398301.5/83



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

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

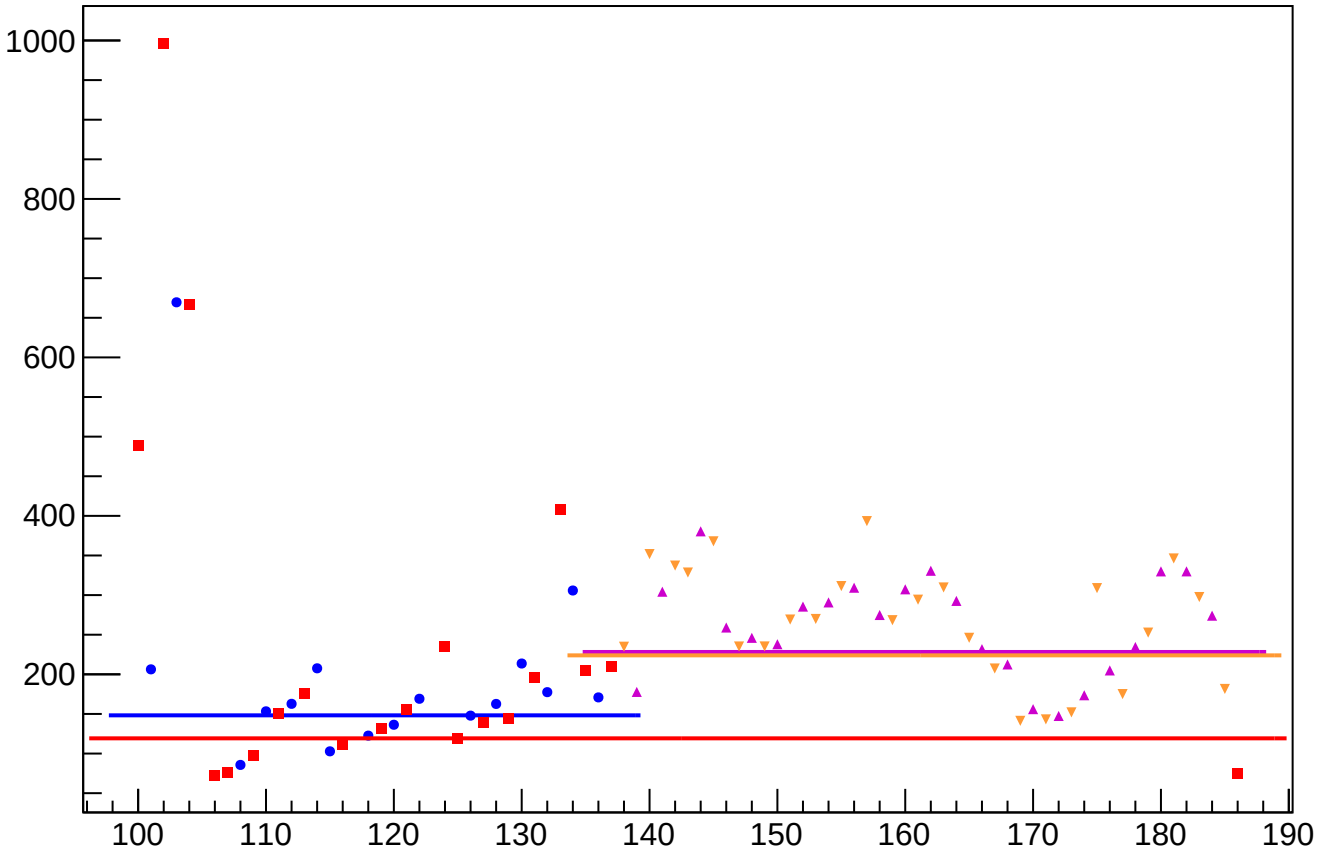
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.001+/-0.038 χ^2/NDF: 33.9/35

In: 0.069+/-0.041 χ^2/NDF:38.8/38

Out: -0.029+/-0.037 χ^2/NDF:48.4/44

All: 0.015+/-0.027 χ^2/NDF: 90.3/83



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

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

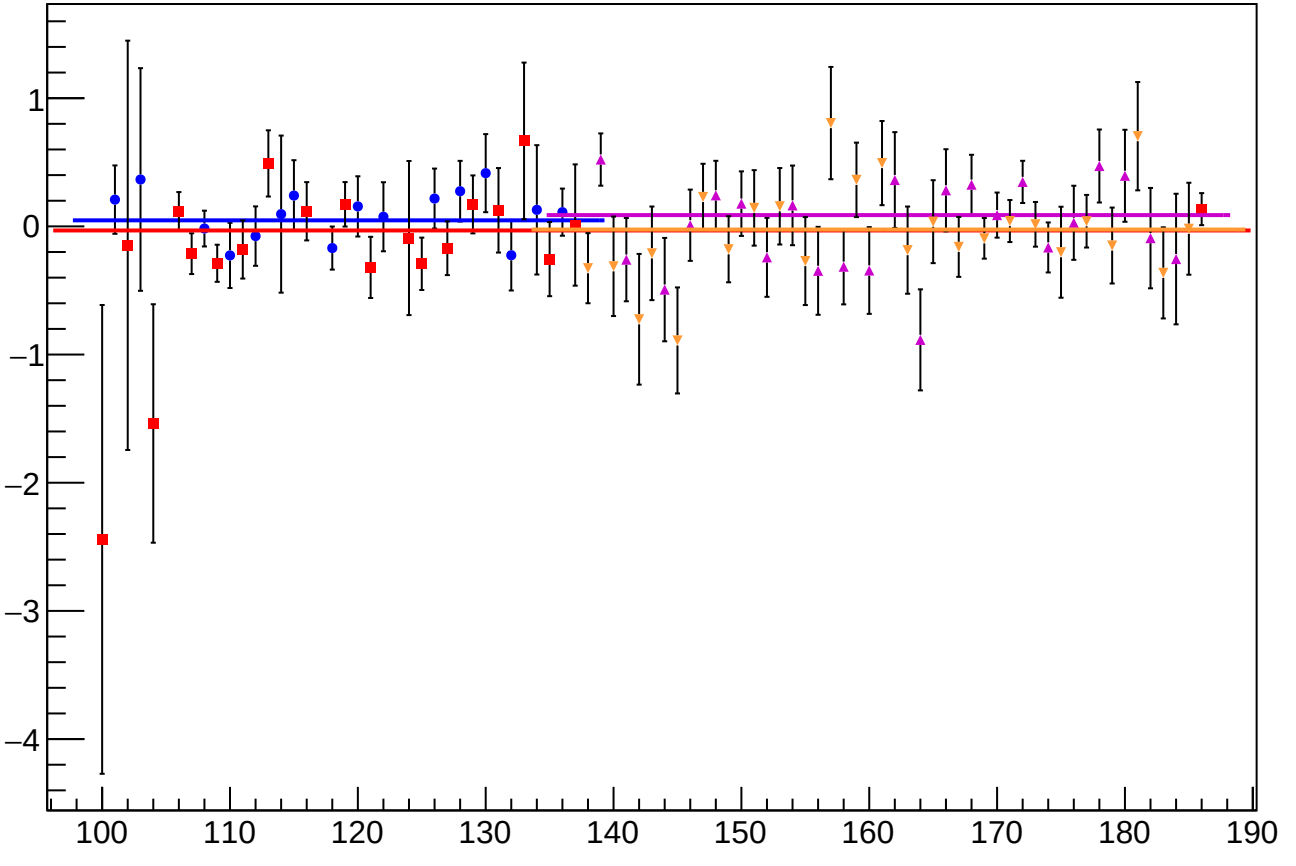
Right: 131.120+/-0.027 χ^2/NDF: 5127608.0/35

In: 190.527+/-0.029 χ^2/NDF:6075945.9/38

Out: 167.067+/-0.026 χ^2/NDF:10577084.7/44

All: 177.511+/-0.019 χ^2/NDF: 17012756.3/83

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-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

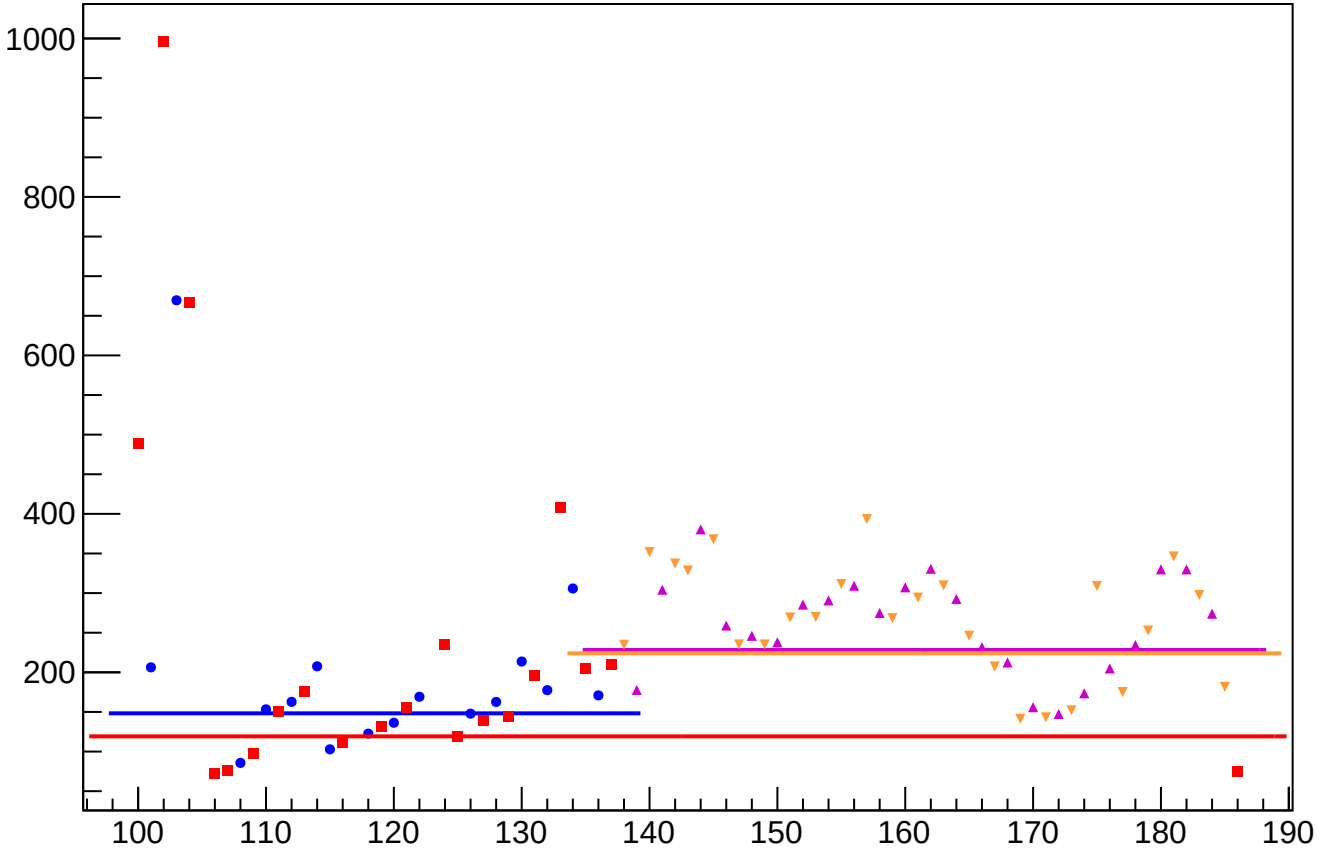
Right: 0.001+/-0.038 χ^2/NDF: 33.9/35

In: 0.069+/-0.041 χ^2/NDF:38.8/38

Out: -0.029+/-0.037 χ^2/NDF:48.4/44

All: 0.015+/-0.027 χ^2/NDF: 90.3/83

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 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

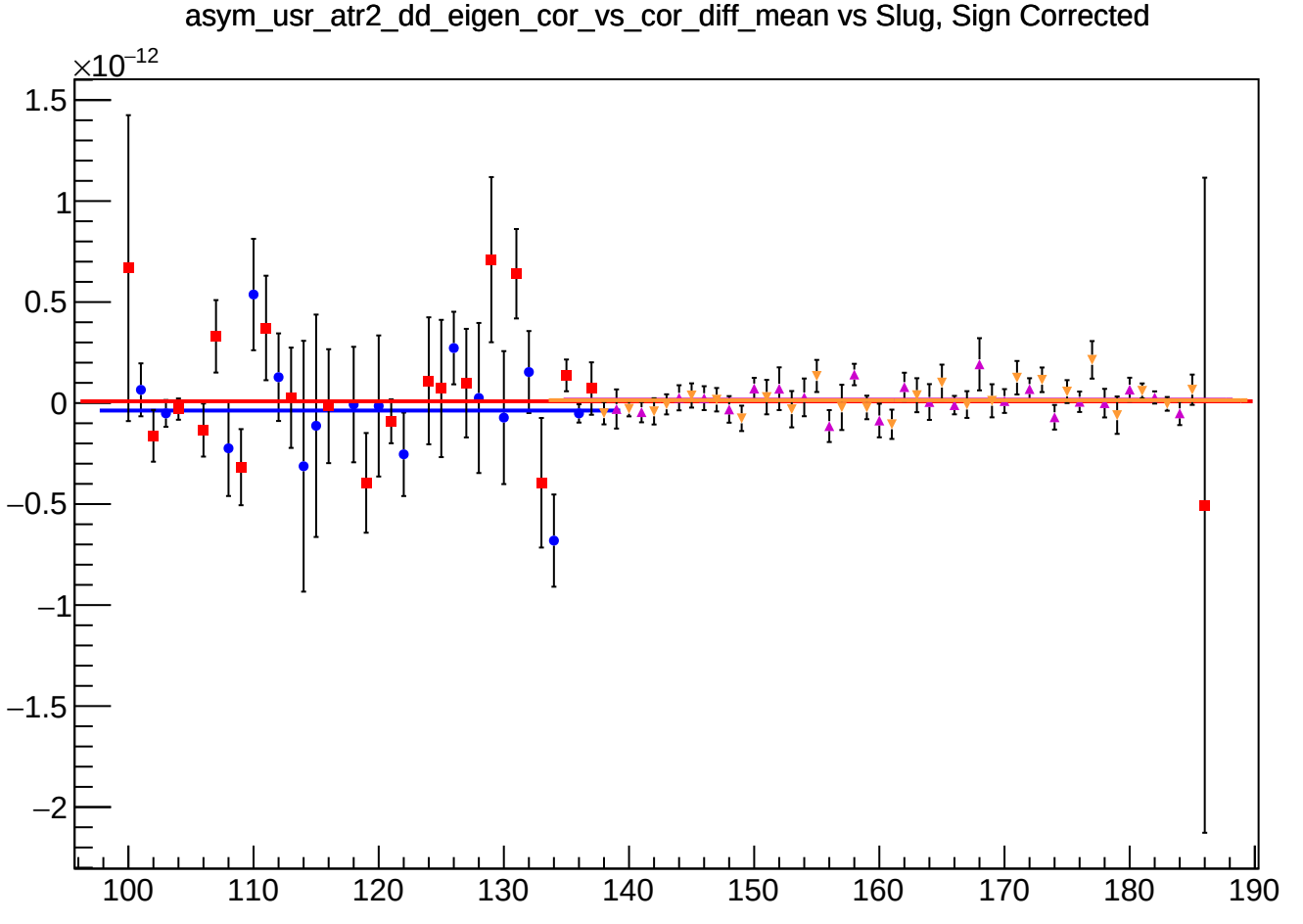
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 131.120+/-0.027 χ^2/NDF: 5127608.0/35

In: 190.527+/-0.029 χ^2/NDF:6075945.9/38

Out: 167.067+/-0.026 χ^2/NDF:10577084.7/44

All: 177.511+/-0.019 χ^2/NDF: 17012756.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

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

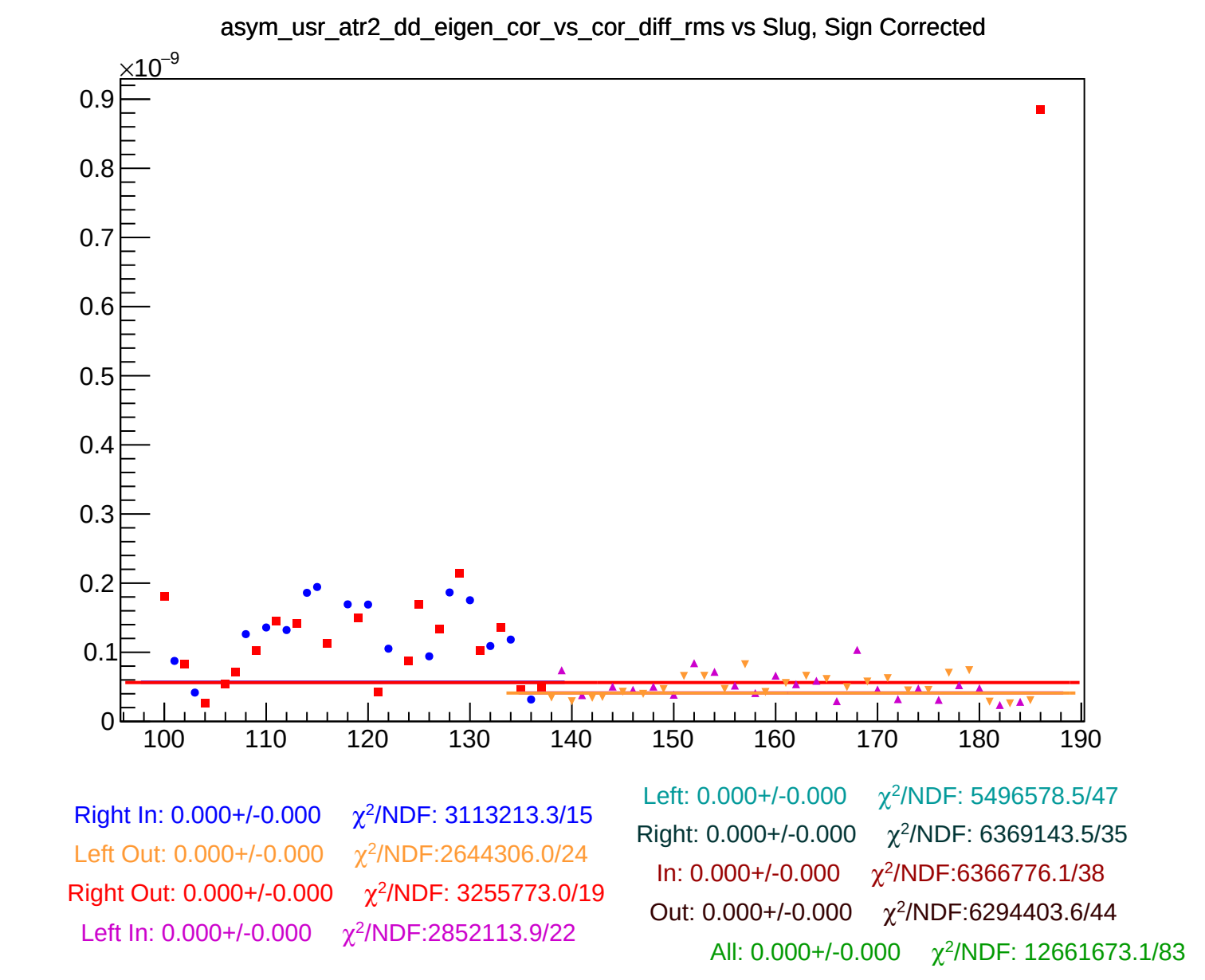
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.4/35

In: 0.000+/-0.000 χ^2/NDF:43.6/38

Out: 0.000+/-0.000 χ^2/NDF:57.2/44

All: 0.000+/-0.000 χ^2/NDF: 100.9/83


asym_usr_atr2_dd_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
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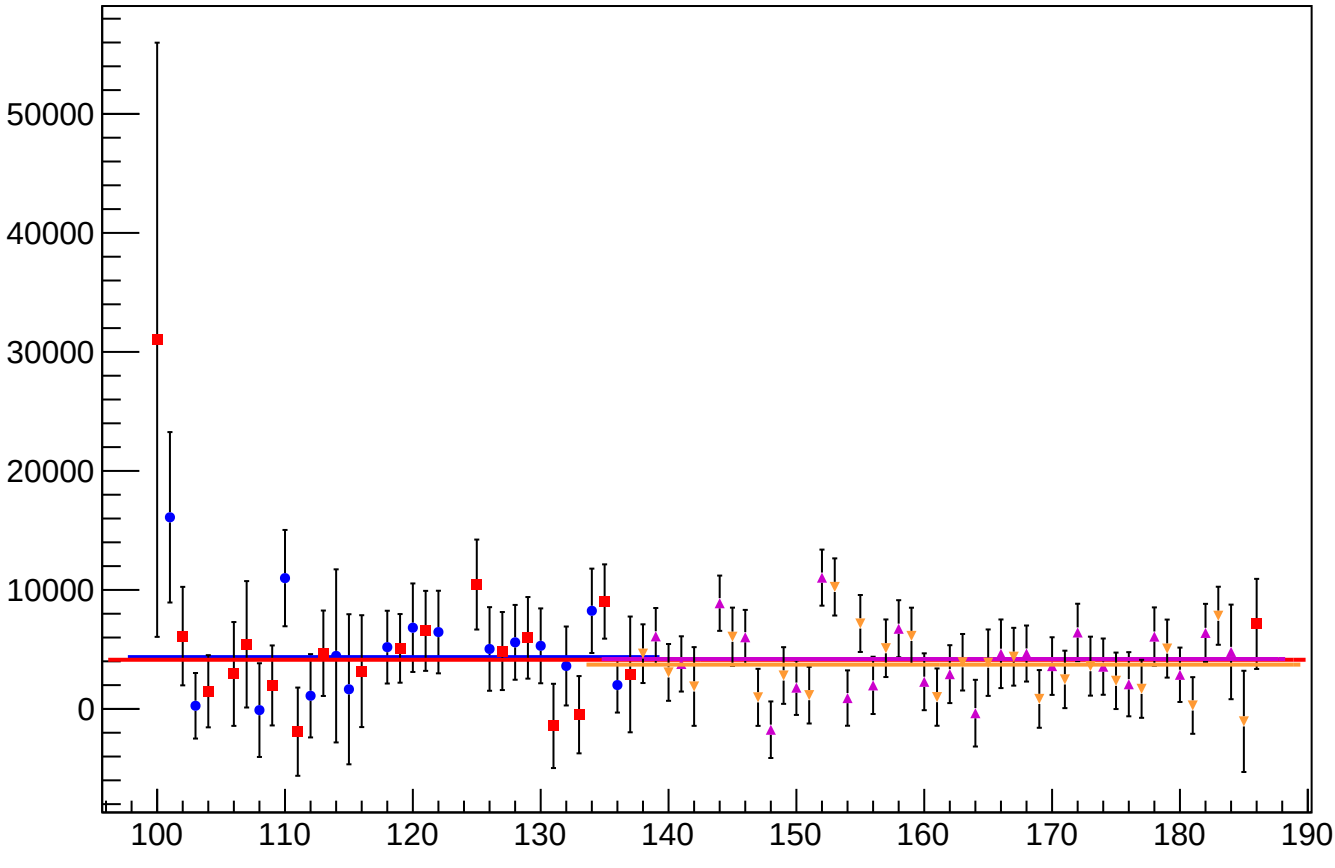
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3255773.0/19
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
Left: 0.000+/-0.000 χ²/NDF: 5496578.5/47
Right: 0.000+/-0.000 χ²/NDF: 6369143.5/35
In: 0.000+/-0.000 χ²/NDF:6366776.1/38
Out: 0.000+/-0.000 χ²/NDF:6294403.6/44
All: 0.000+/-0.000 χ²/NDF: 12661673.1/83



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

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

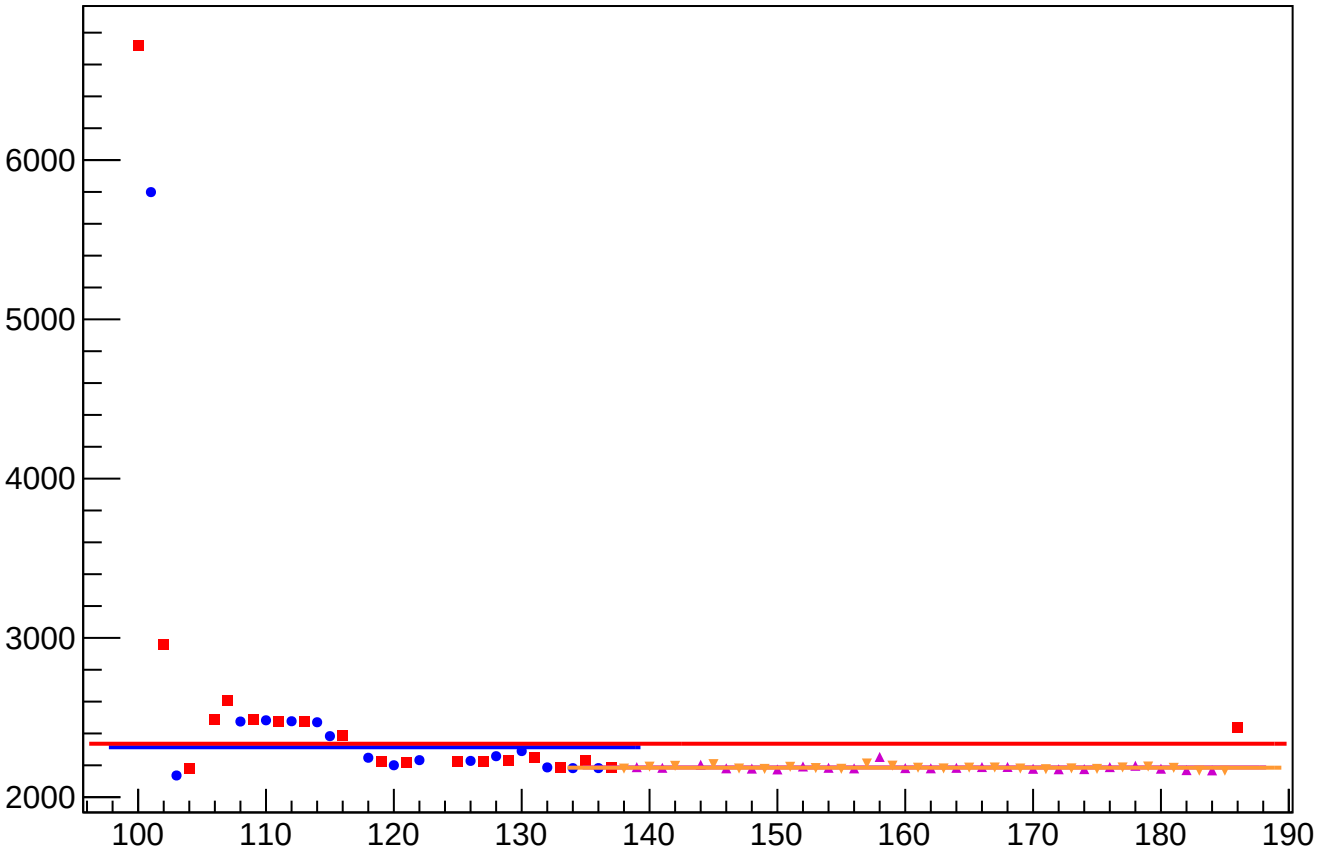
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4239.438+/-609.411 χ^2/NDF: 30.2/34

In: 4236.168+/-441.011 χ^2/NDF:45.5/38

Out: 3830.707+/-435.404 χ^2/NDF:42.4/42

All: 4030.843+/-309.840 χ^2/NDF: 88.4/81



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

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

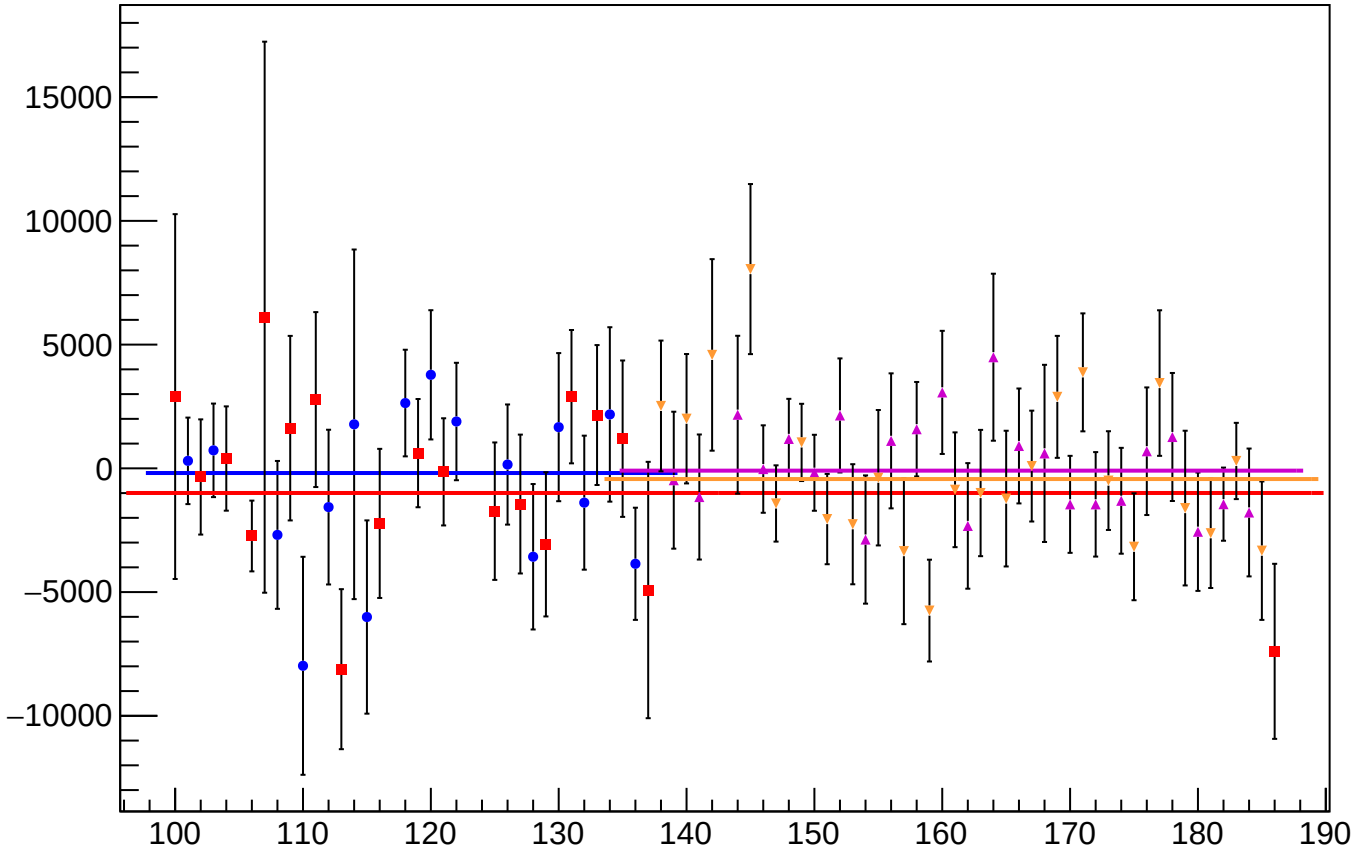
Right: 2324.789+/-0.431 χ^2/NDF: 665707.6/34

In: 2218.911+/-0.312 χ^2/NDF:545694.1/38

Out: 2224.670+/-0.308 χ^2/NDF:199721.9/42

All: 2221.827+/-0.219 χ^2/NDF: 745588.8/81

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -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

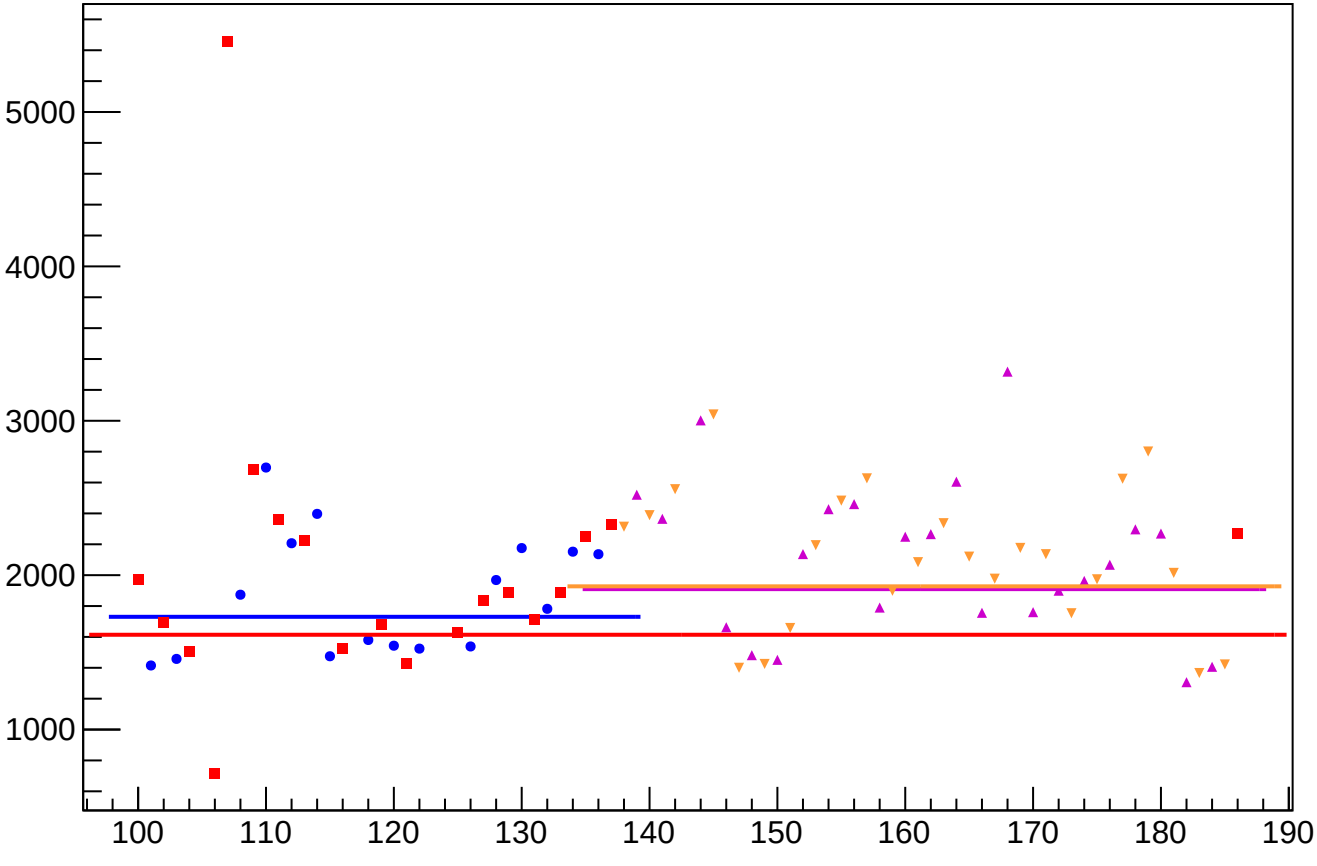
Right: -613.078+/-453.234 χ^2/NDF: 35.5/34

In: -124.208+/-377.439 χ^2/NDF:29.2/38

Out: -631.543+/-371.698 χ^2/NDF:50.1/42

All: -381.763+/-264.837 χ^2/NDF: 80.2/81

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 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

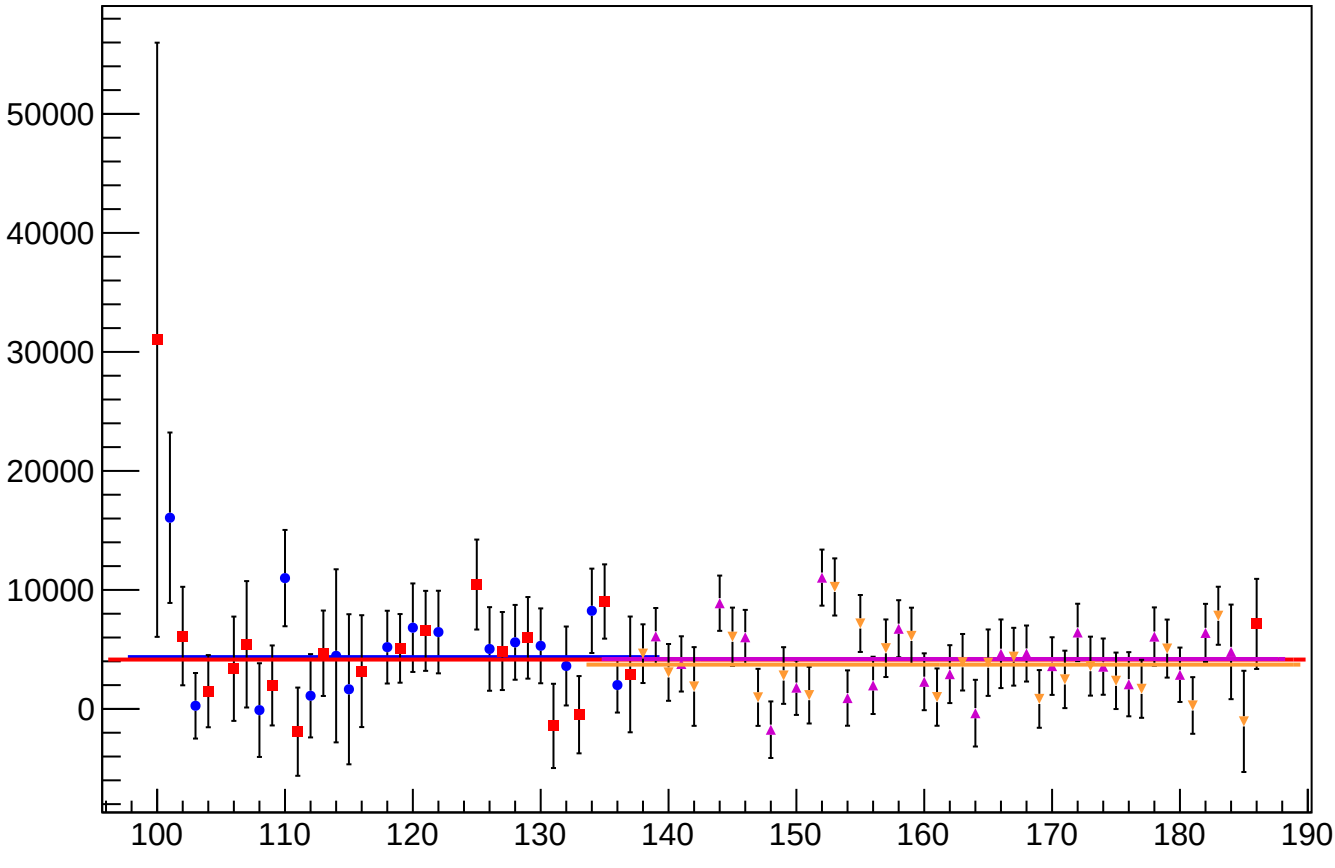
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1669.124+/-0.320 χ^2/NDF: 2139318.4/34

In: 1850.668+/-0.267 χ^2/NDF:2520814.0/38

Out: 1816.696+/-0.263 χ^2/NDF:3751525.6/42

All: 1833.422+/-0.187 χ^2/NDF: 6280565.0/81



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

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

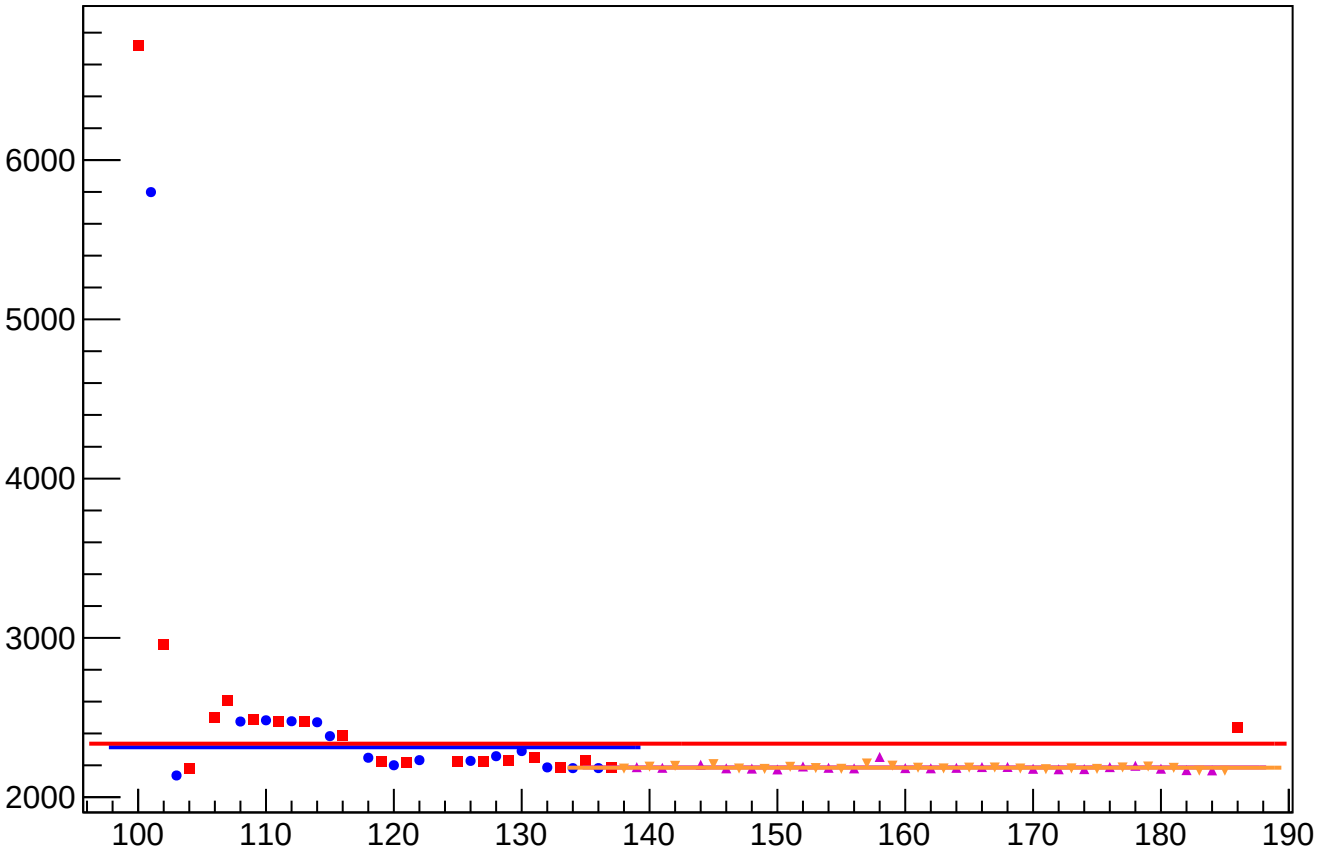
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4248.045+/-609.462 χ^2/NDF: 30.2/34

In: 4236.083+/-441.011 χ^2/NDF:45.5/38

Out: 3835.195+/-435.422 χ^2/NDF:42.4/42

All: 4033.083+/-309.847 χ^2/NDF: 88.3/81



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

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

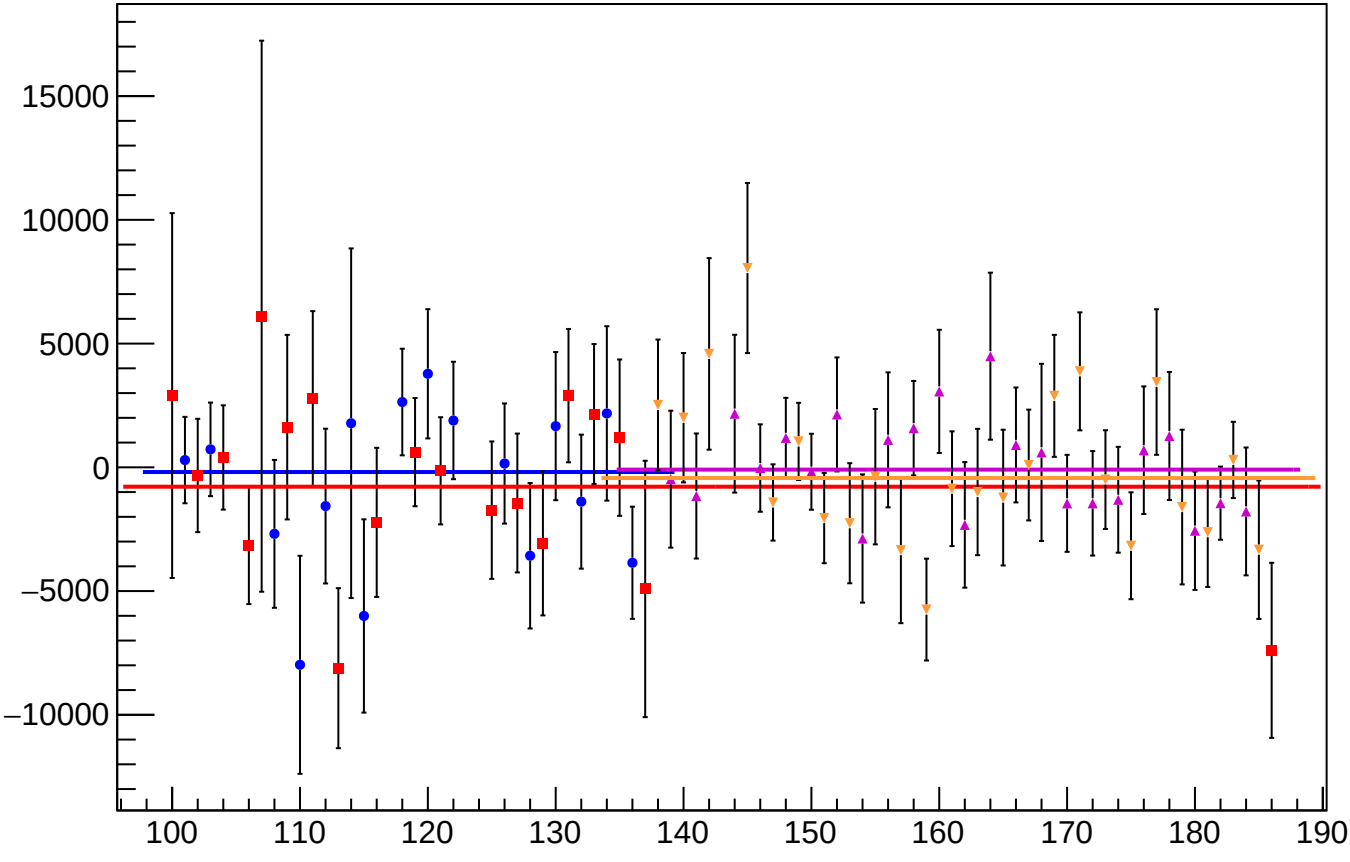
Right: 2324.968+/-0.431 χ^2/NDF: 666064.8/34

In: 2218.911+/-0.312 χ^2/NDF:545694.5/38

Out: 2224.753+/-0.308 χ^2/NDF:200263.5/42

All: 2221.869+/-0.219 χ^2/NDF: 746135.7/81

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -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

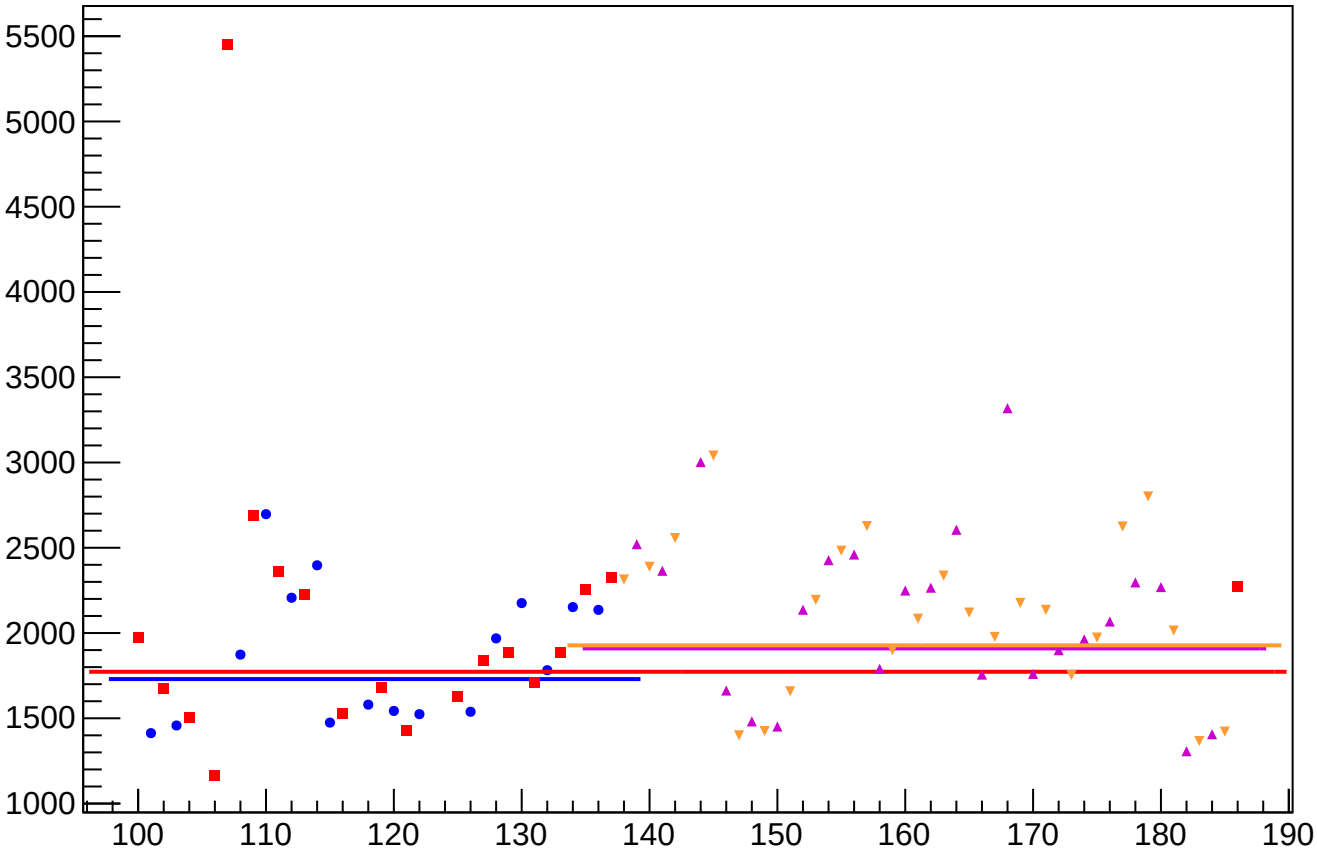
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -482.672+/-468.180 χ^2/NDF: 34.4/34

In: -124.549+/-377.416 χ^2/NDF:29.2/38

Out: -546.237+/-379.833 χ^2/NDF:49.0/42

All: -334.047+/-267.724 χ^2/NDF: 78.8/81



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

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

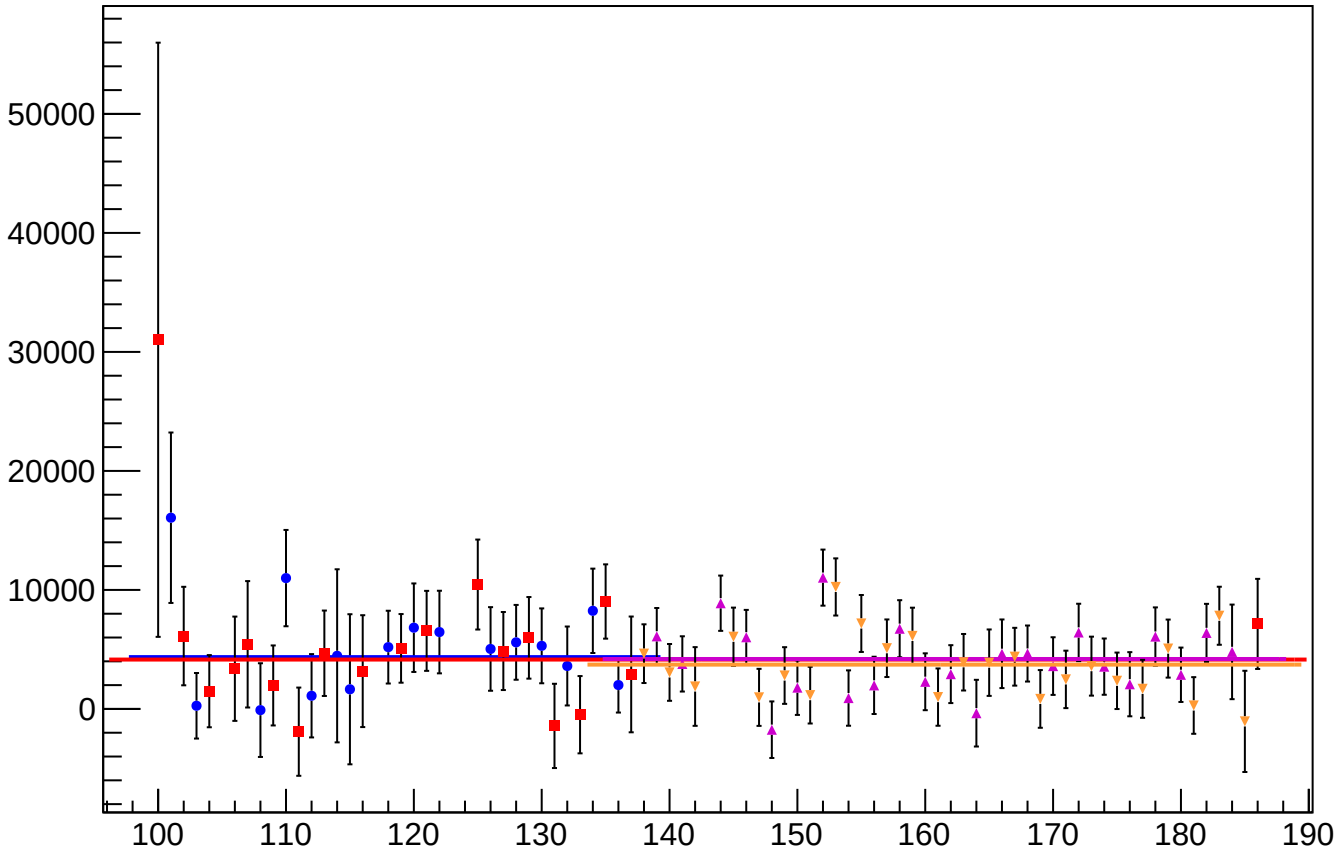
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1751.126+/-0.331 χ^2/NDF: 1276349.8/34

In: 1850.528+/-0.267 χ^2/NDF:2522267.5/38

Out: 1877.322+/-0.269 χ^2/NDF:2663538.3/42

All: 1863.839+/-0.189 χ^2/NDF: 5190813.6/81



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

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

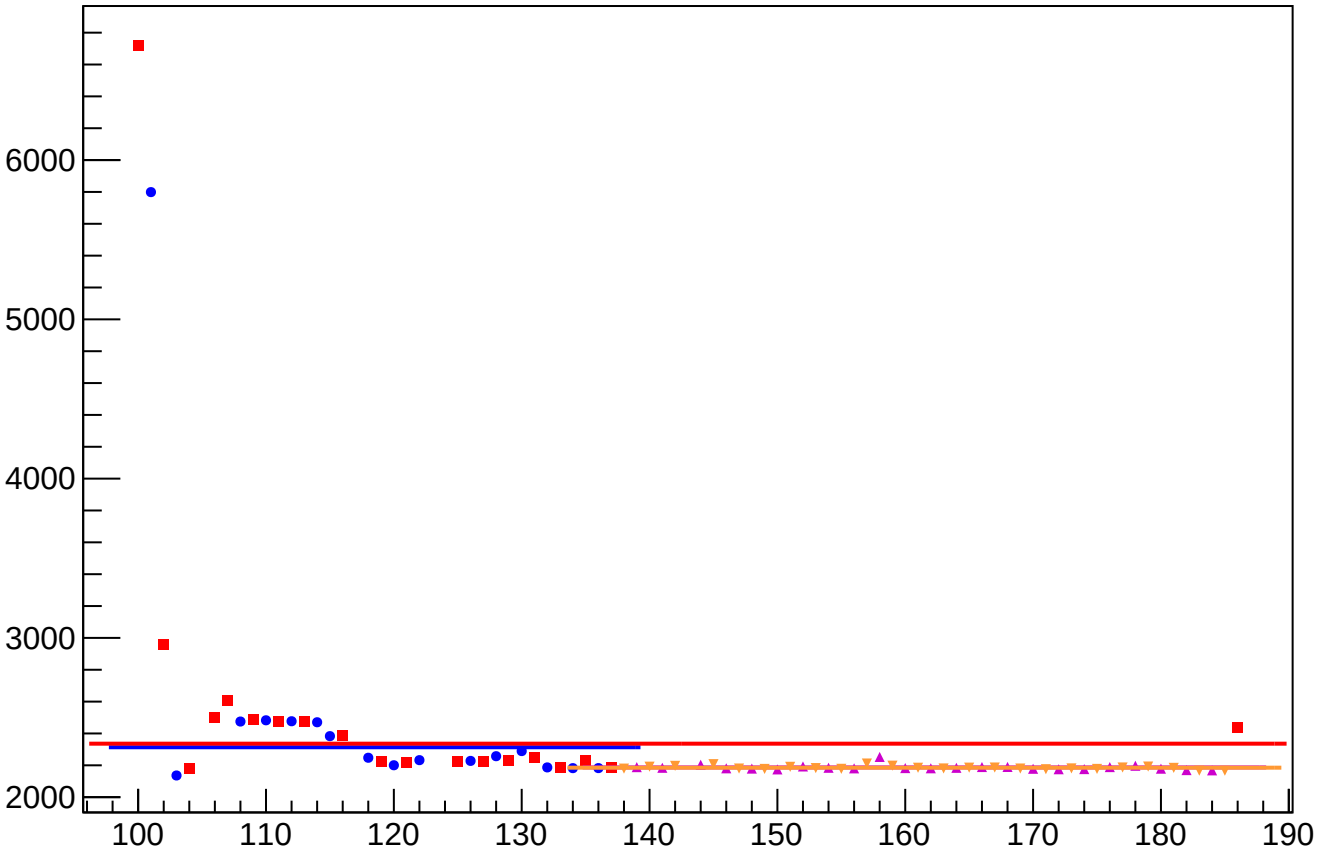
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4248.045+/-609.462 χ^2/NDF: 30.2/34

In: 4236.083+/-441.011 χ^2/NDF:45.5/38

Out: 3835.195+/-435.422 χ^2/NDF:42.4/42

All: 4033.083+/-309.847 χ^2/NDF: 88.3/81



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

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

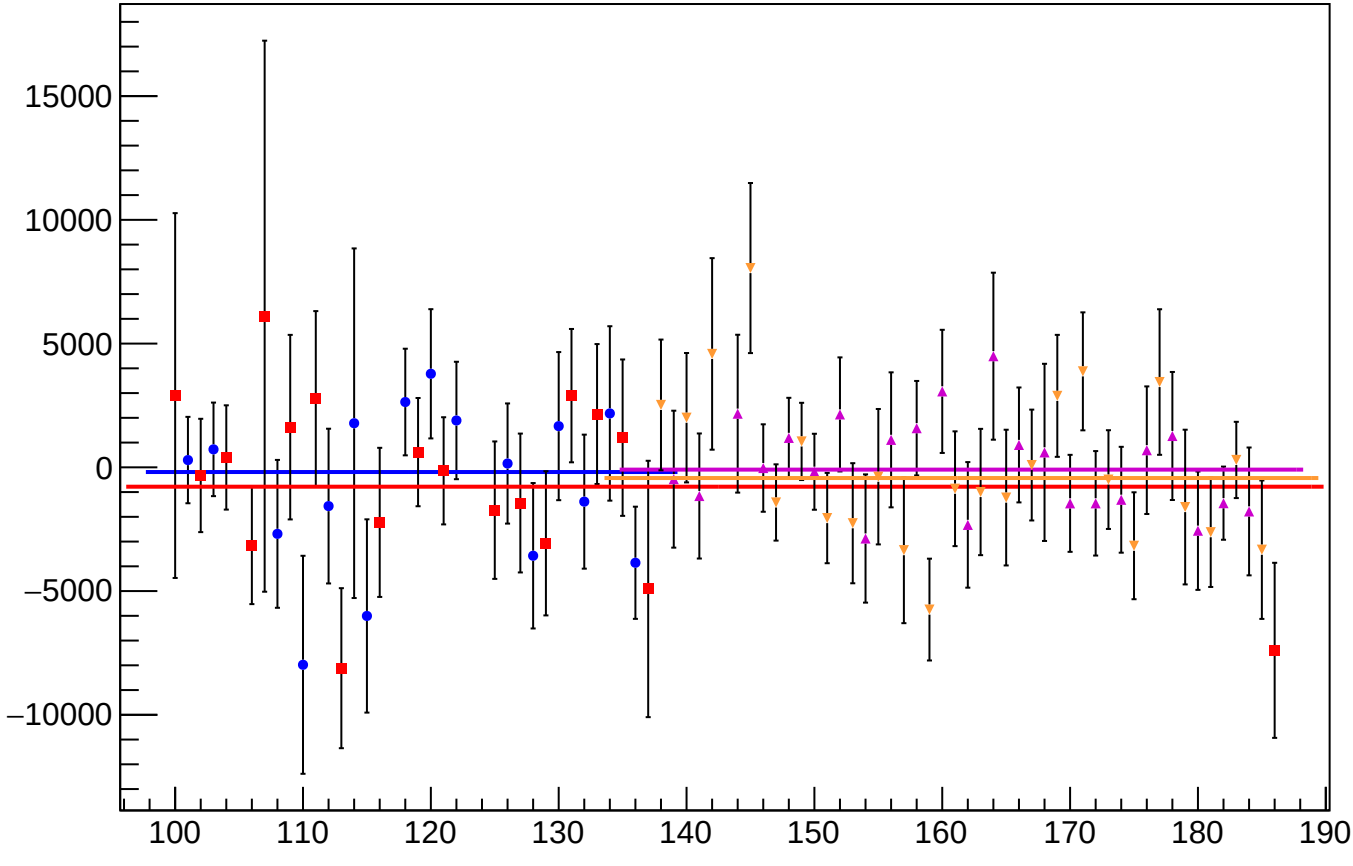
Right: 2324.968+/-0.431 χ^2/NDF: 666064.8/34

In: 2218.911+/-0.312 χ^2/NDF:545694.5/38

Out: 2224.753+/-0.308 χ^2/NDF:200263.5/42

All: 2221.869+/-0.219 χ^2/NDF: 746135.7/81

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

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

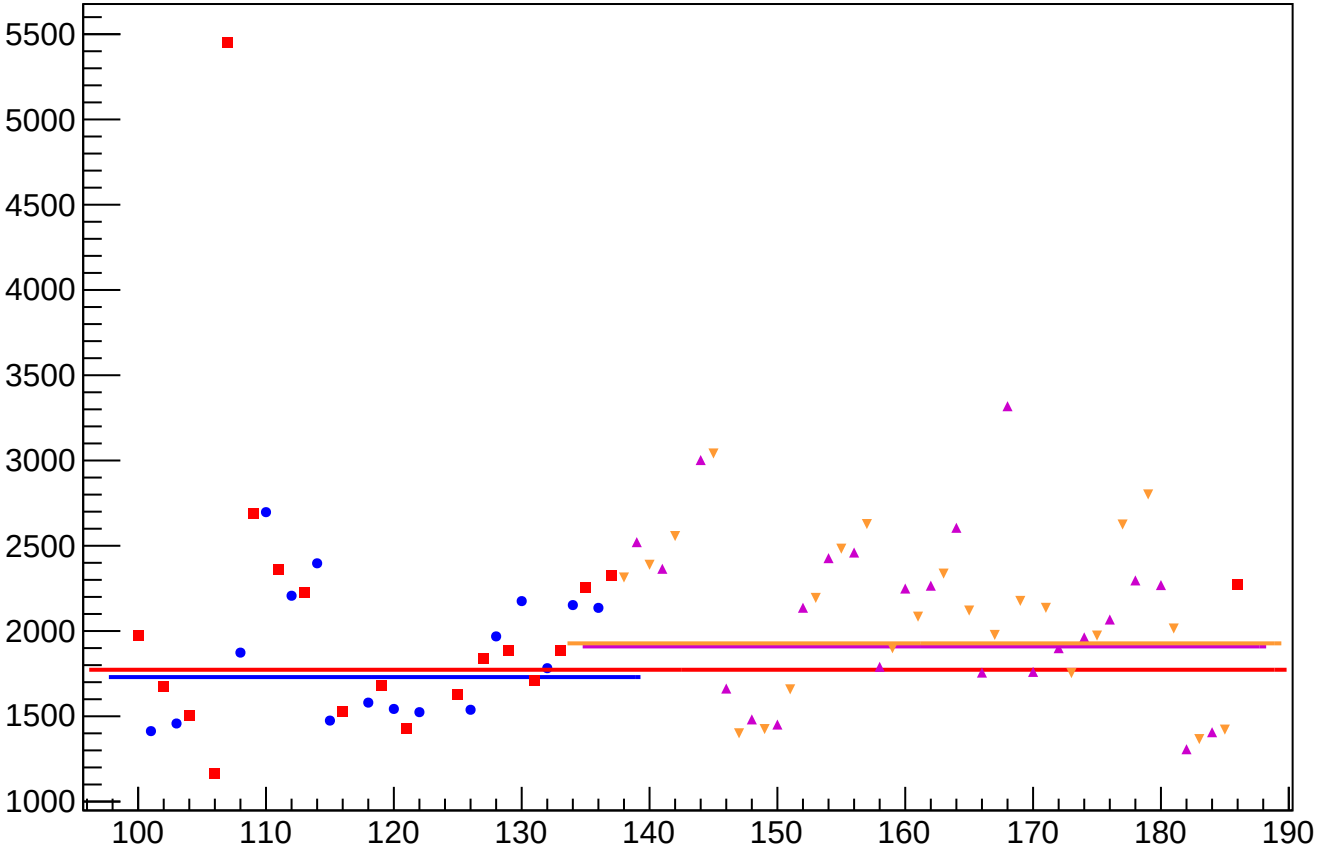
Right: -482.672+/-468.180 χ^2/NDF: 34.4/34

In: -124.549+/-377.416 χ^2/NDF:29.2/38

Out: -546.237+/-379.833 χ^2/NDF:49.0/42

All: -334.047+/-267.724 χ^2/NDF: 78.8/81

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 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

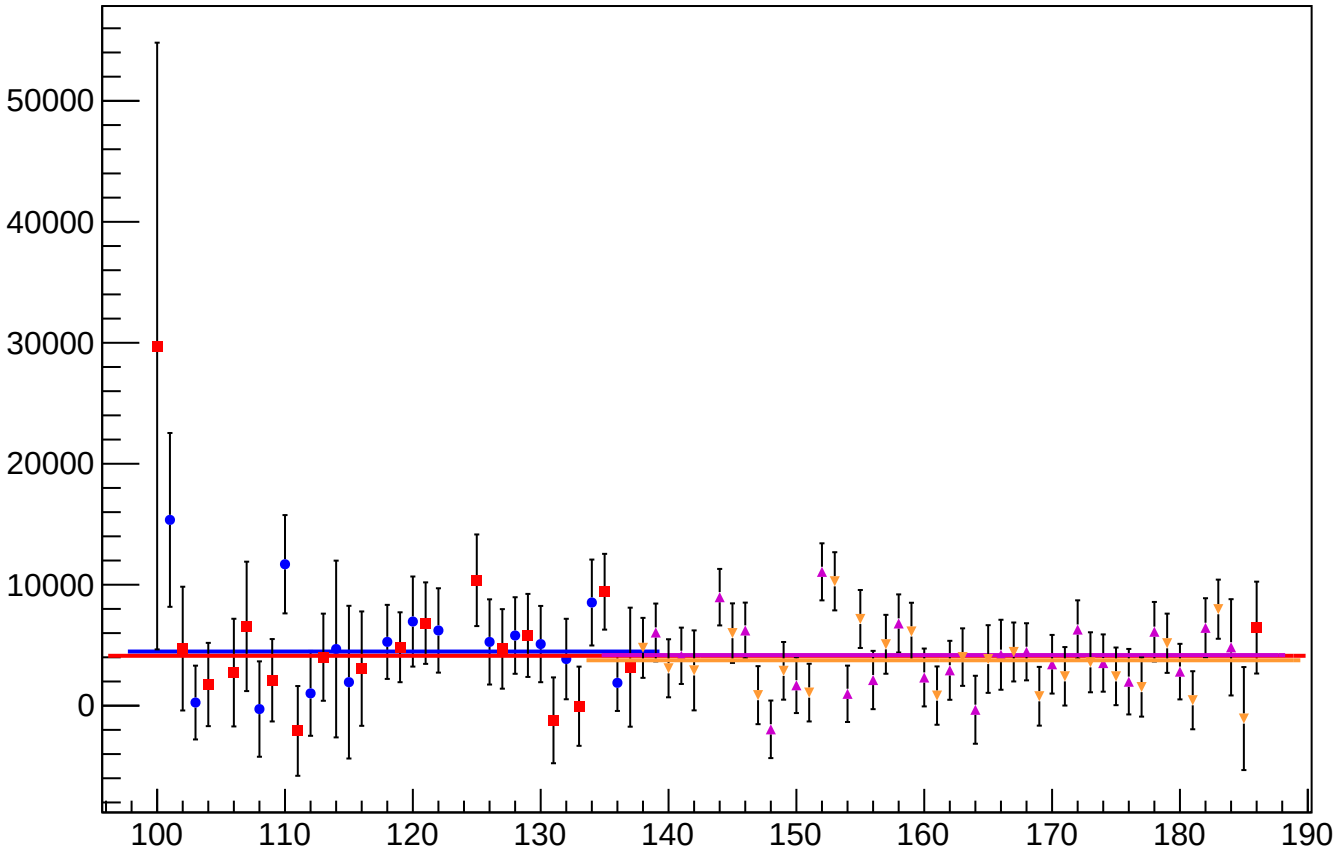
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1751.126+/-0.331 χ^2/NDF: 1276349.8/34

In: 1850.528+/-0.267 χ^2/NDF:2522267.5/38

Out: 1877.322+/-0.269 χ^2/NDF:2663538.3/42

All: 1863.839+/-0.189 χ^2/NDF: 5190813.6/81



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

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

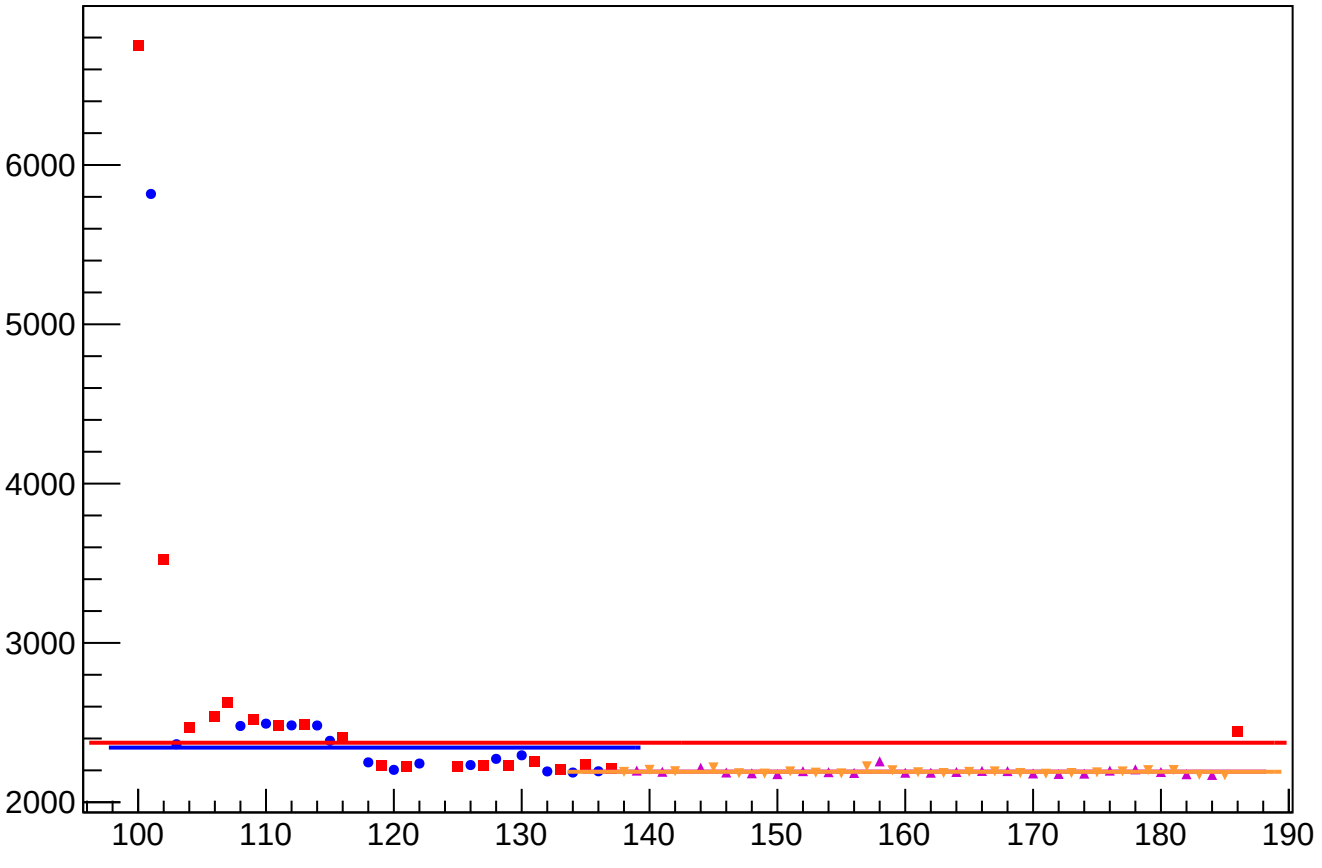
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4296.352+/-619.675 χ^2/NDF: 29.5/34

In: 4257.328+/-443.226 χ^2/NDF:46.3/38

Out: 3848.772+/-438.660 χ^2/NDF:41.7/42

All: 4050.935+/-311.781 χ^2/NDF: 88.4/81



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

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

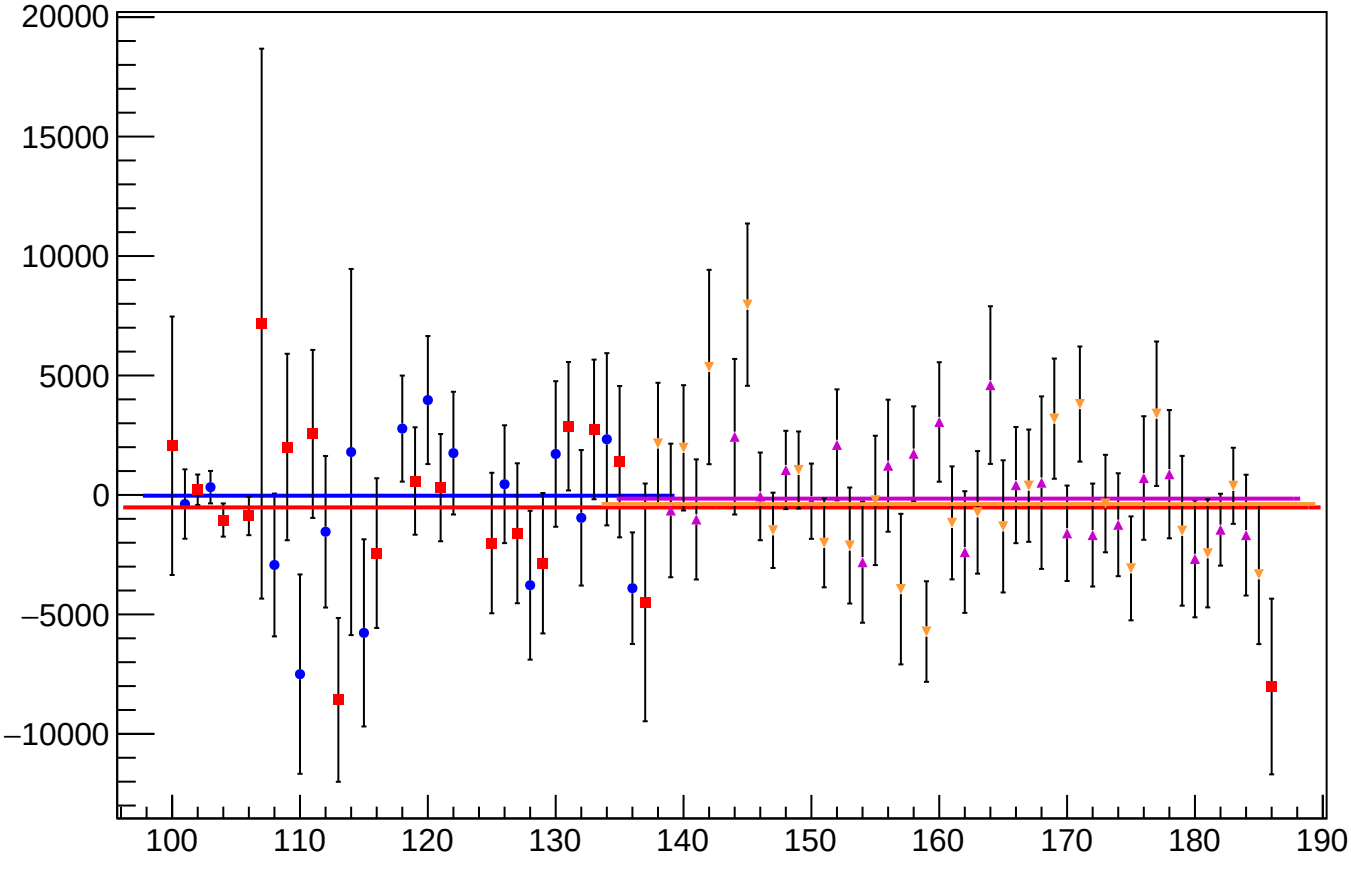
Right: 2358.494+/-0.438 χ^2/NDF: 714935.8/34

In: 2229.910+/-0.313 χ^2/NDF:548531.2/38

Out: 2237.810+/-0.310 χ^2/NDF:277854.6/42

All: 2233.901+/-0.220 χ^2/NDF: 826706.8/81

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -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

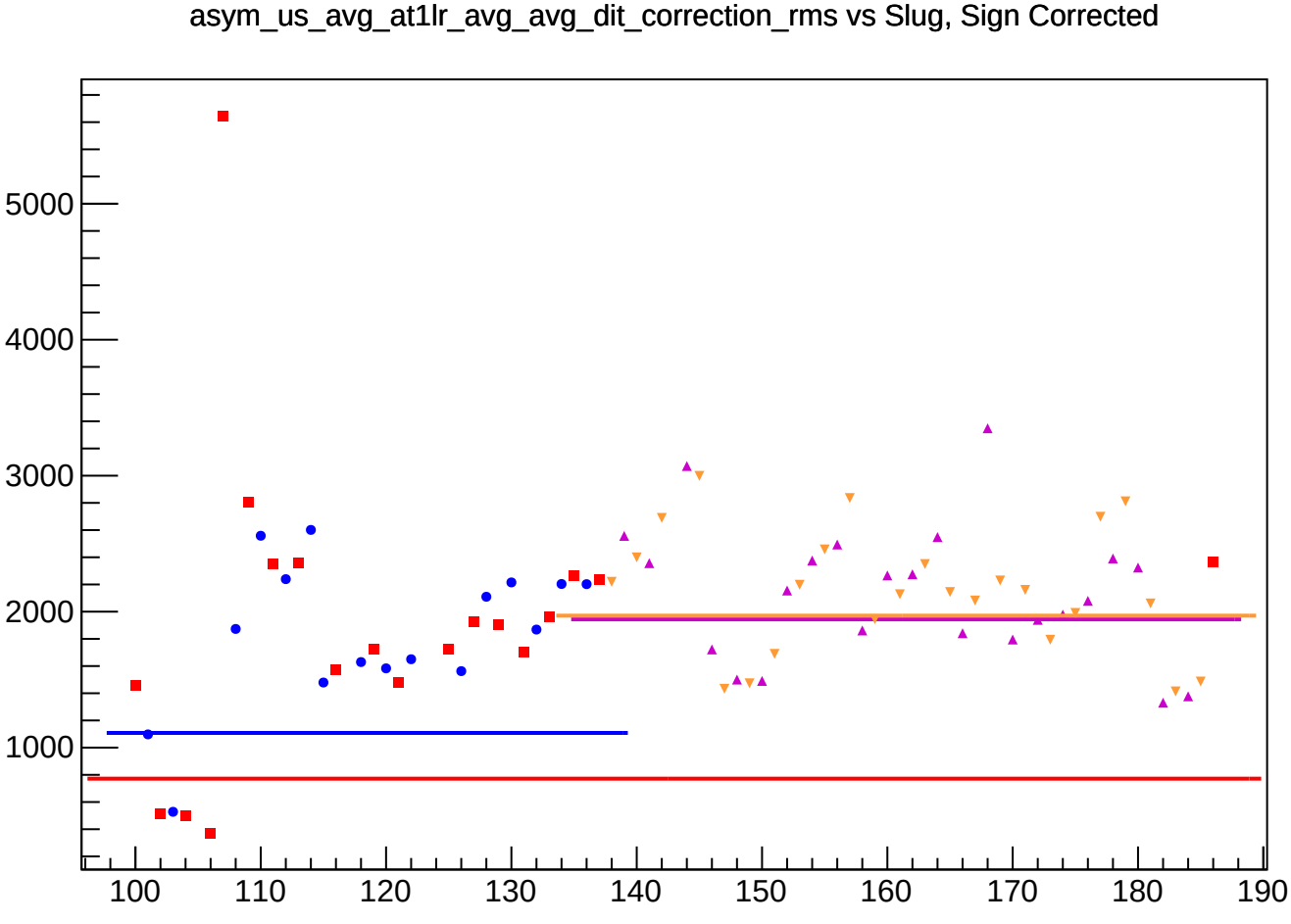
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -346.800+/-289.564 χ^2/NDF: 36.3/34

In: -95.190+/-336.885 χ^2/NDF:29.2/38

Out: -469.186+/-286.540 χ^2/NDF:50.1/42

All: -312.195+/-218.266 χ^2/NDF: 80.0/81



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

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

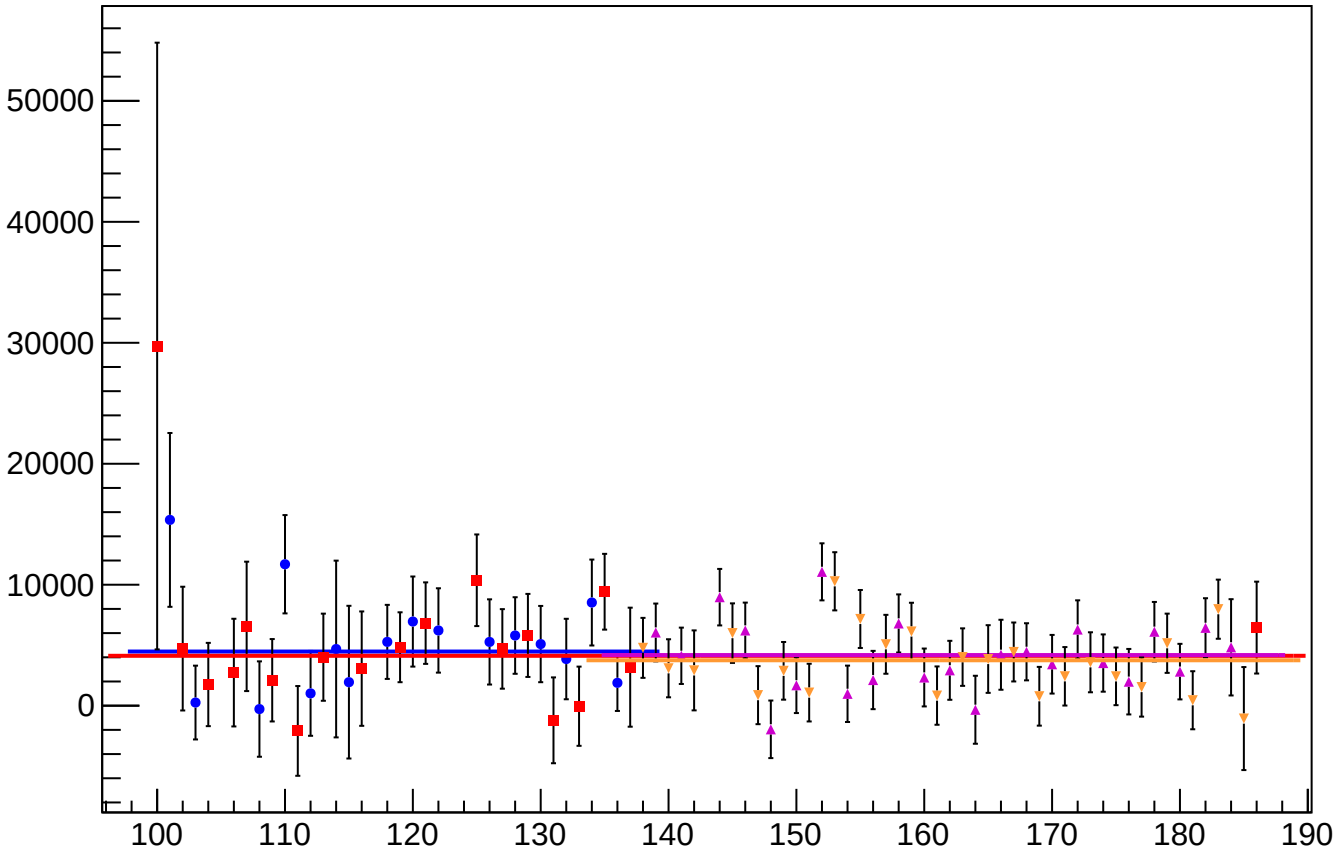
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 891.577+/-0.205 χ^2/NDF: 10345646.3/34

In: 1541.066+/-0.238 χ^2/NDF:8700644.6/38

Out: 1214.649+/-0.203 χ^2/NDF:15831415.0/42

All: 1351.668+/-0.154 χ^2/NDF: 25621523.8/8



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

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

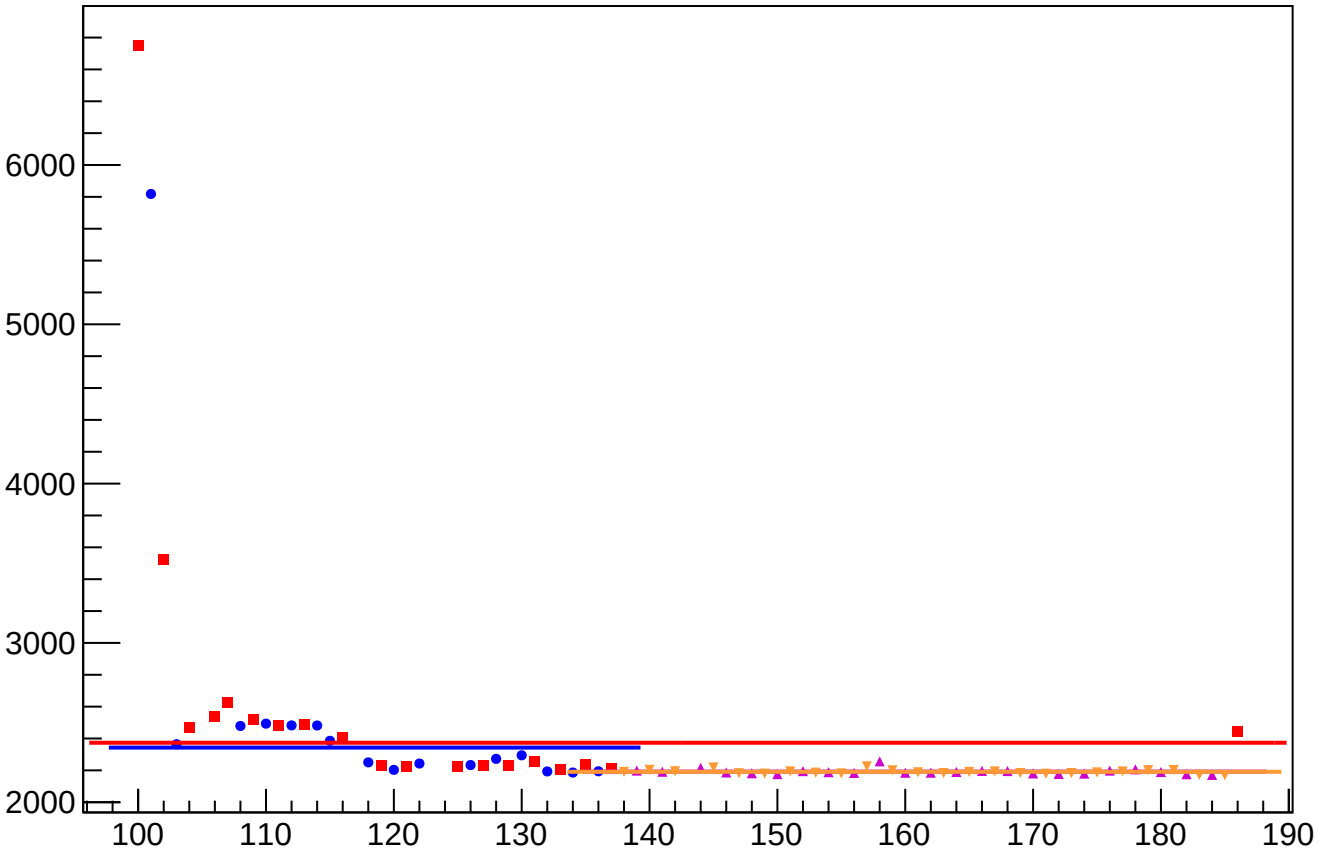
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4296.348+/-619.675 χ^2/NDF: 29.5/34

In: 4257.328+/-443.226 χ^2/NDF:46.3/38

Out: 3848.770+/-438.660 χ^2/NDF:41.7/42

All: 4050.934+/-311.781 χ^2/NDF: 88.4/81



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

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

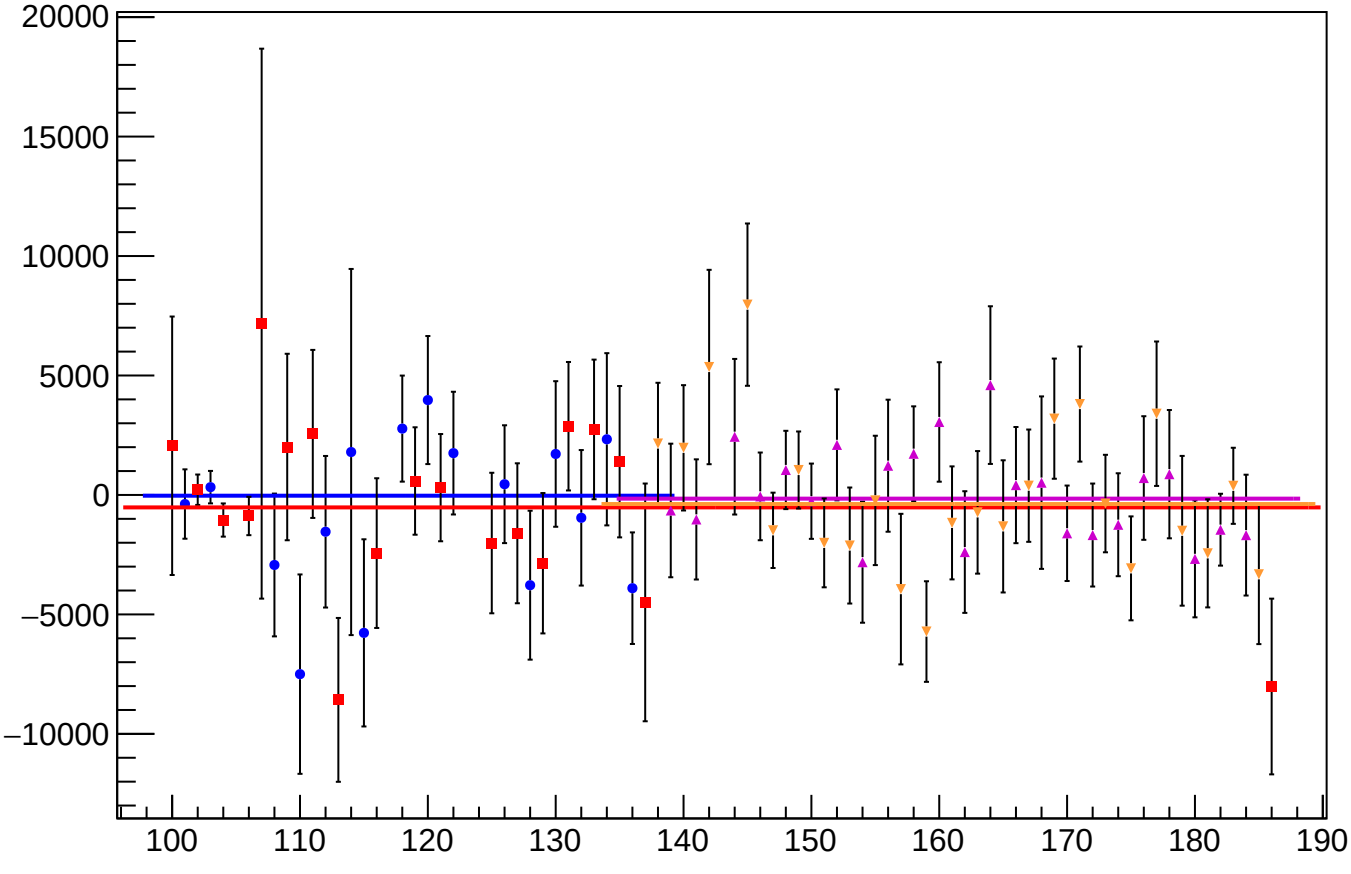
Right: 2358.493+/-0.438 χ^2/NDF: 714934.8/34

In: 2229.910+/-0.313 χ^2/NDF:548531.0/38

Out: 2237.810+/-0.310 χ^2/NDF:277853.1/42

All: 2233.901+/-0.220 χ^2/NDF: 826705.1/81

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -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

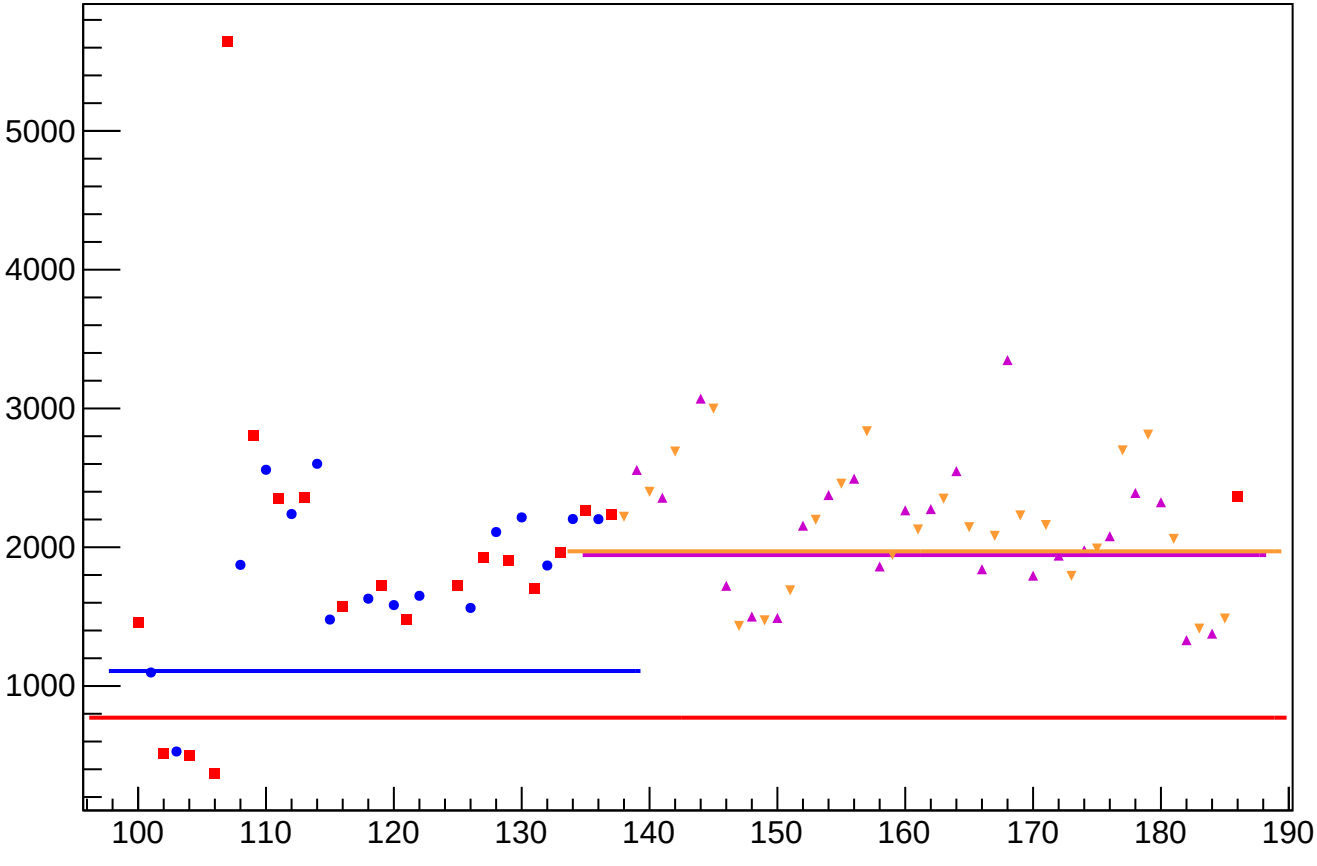
Right: -346.804+/-289.566 χ^2/NDF: 36.3/34

In: -95.193+/-336.886 χ^2/NDF:29.2/38

Out: -469.190+/-286.542 χ^2/NDF:50.1/42

All: -312.197+/-218.267 χ^2/NDF: 80.0/81

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 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

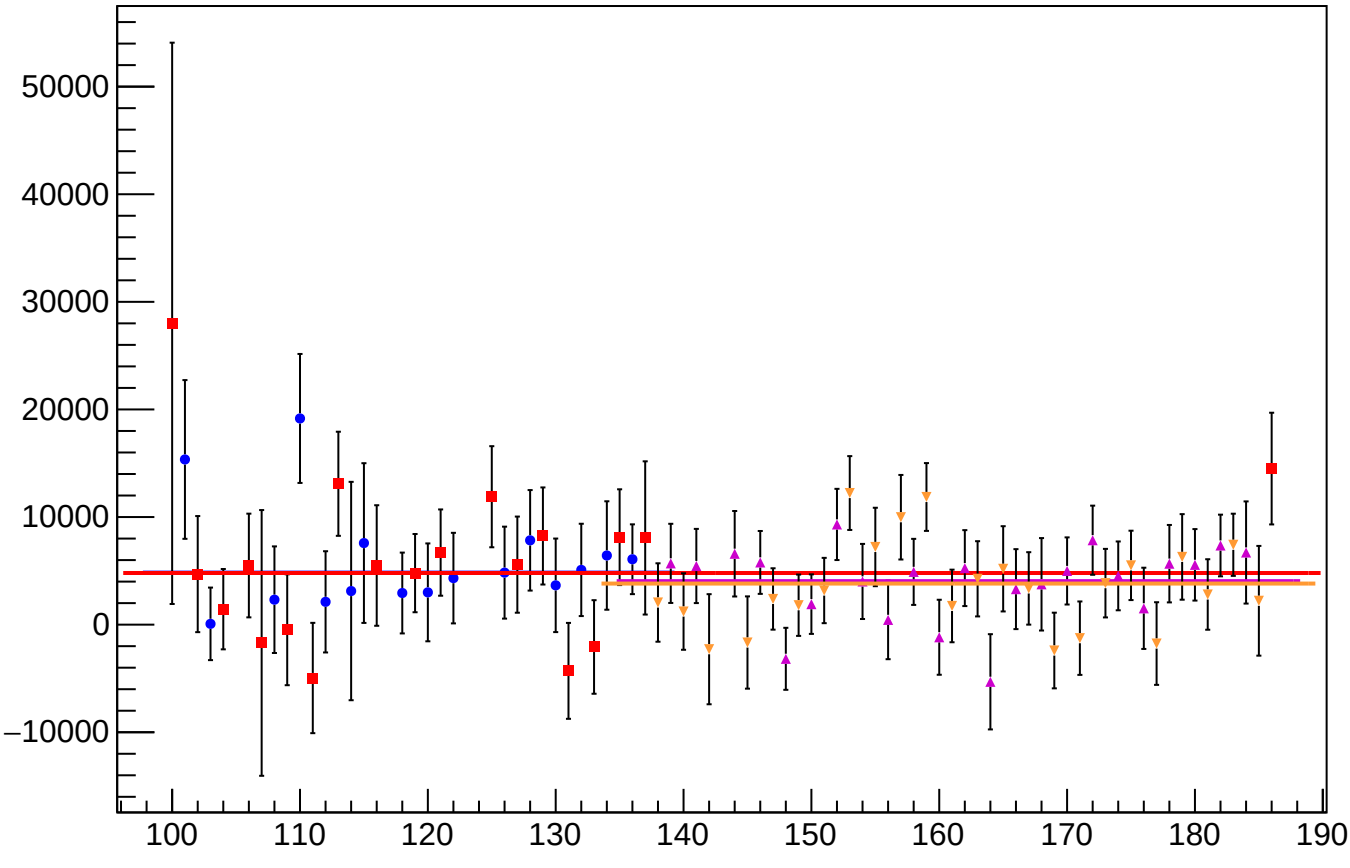
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 891.592+/-0.205 χ^2/NDF: 10345417.4/34

In: 1541.074+/-0.238 χ^2/NDF:8700499.5/38

Out: 1214.666+/-0.203 χ^2/NDF:15831033.7/42

All: 1351.682+/-0.154 χ^2/NDF: 25620923.7/8



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

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

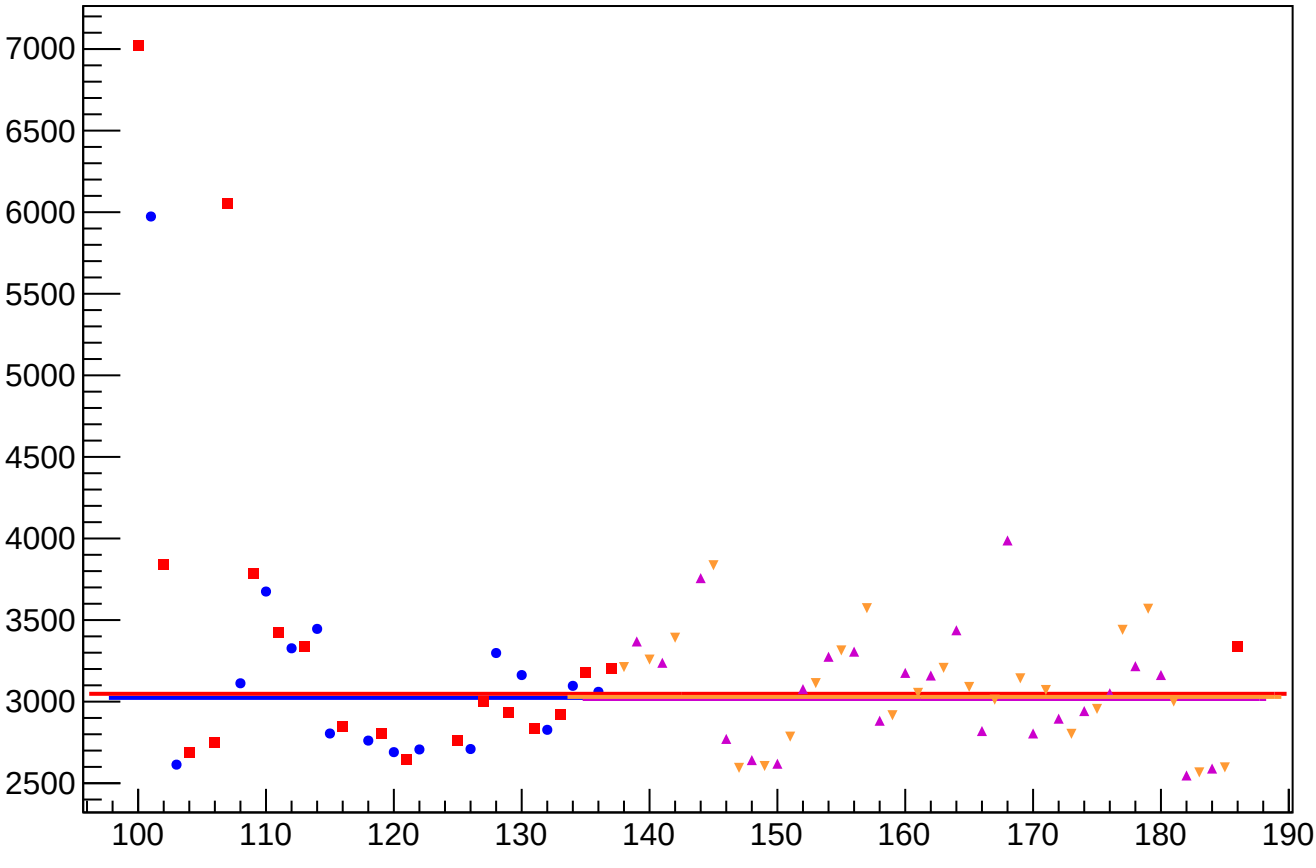
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4816.748+/-798.966 χ^2/NDF: 35.2/34

In: 4262.700+/-602.784 χ^2/NDF:34.5/38

Out: 4099.382+/-598.289 χ^2/NDF:55.0/42

All: 4180.430+/-424.634 χ^2/NDF: 89.5/81



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

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

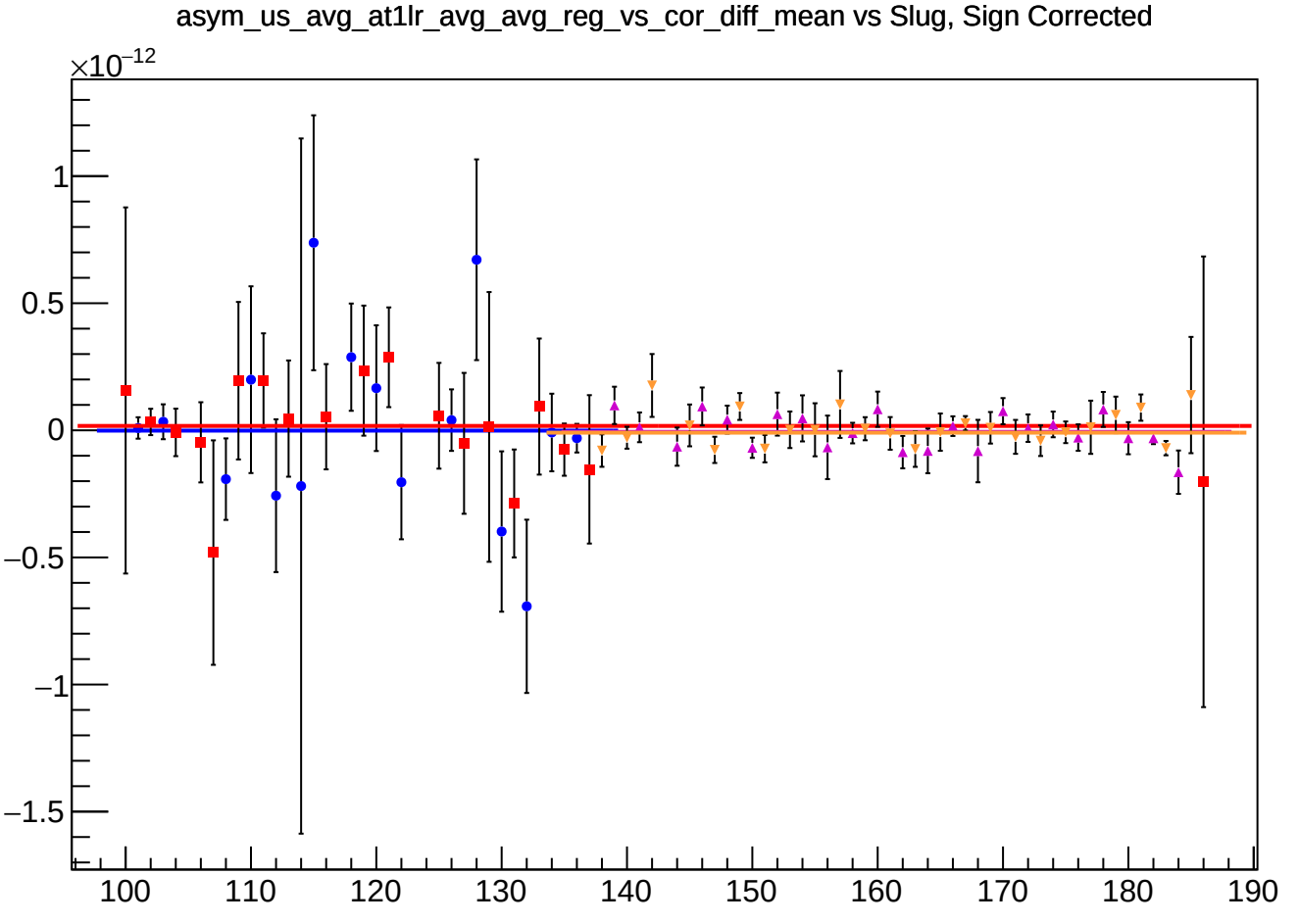
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

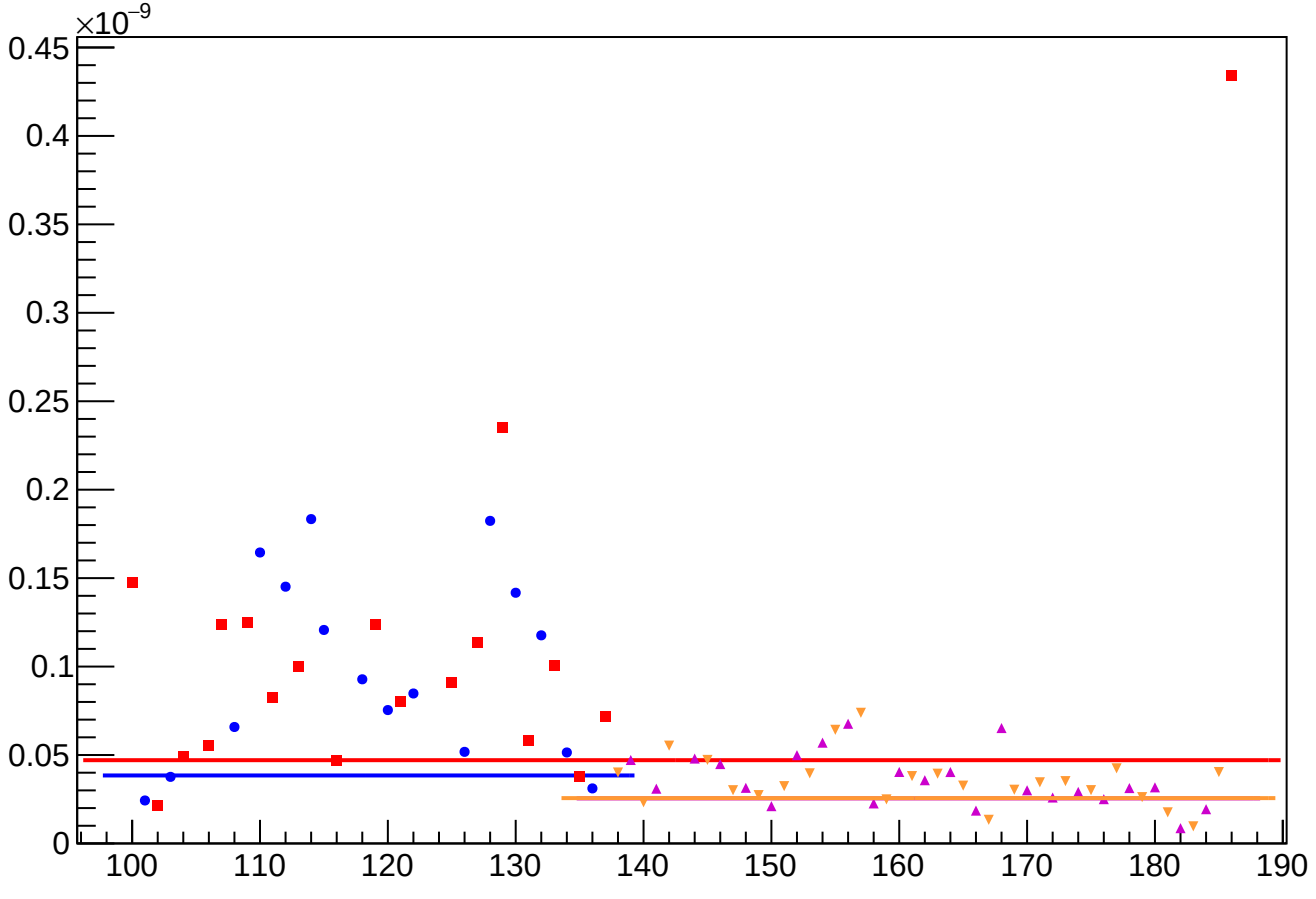
Right: 3035.796+/-0.565 χ^2/NDF: 793418.2/34

In: 3018.149+/-0.426 χ^2/NDF:883655.0/38

Out: 3034.425+/-0.423 χ^2/NDF:746749.9/42

All: 3026.348+/-0.300 χ^2/NDF: 1631139.4/81


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 17.1/15
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 9.0/18
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 26.3/34
In: -0.000+/-0.000 χ²/NDF:40.4/38
Out: -0.000+/-0.000 χ²/NDF:33.8/42
All: -0.000+/-0.000 χ²/NDF: 74.2/81



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

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

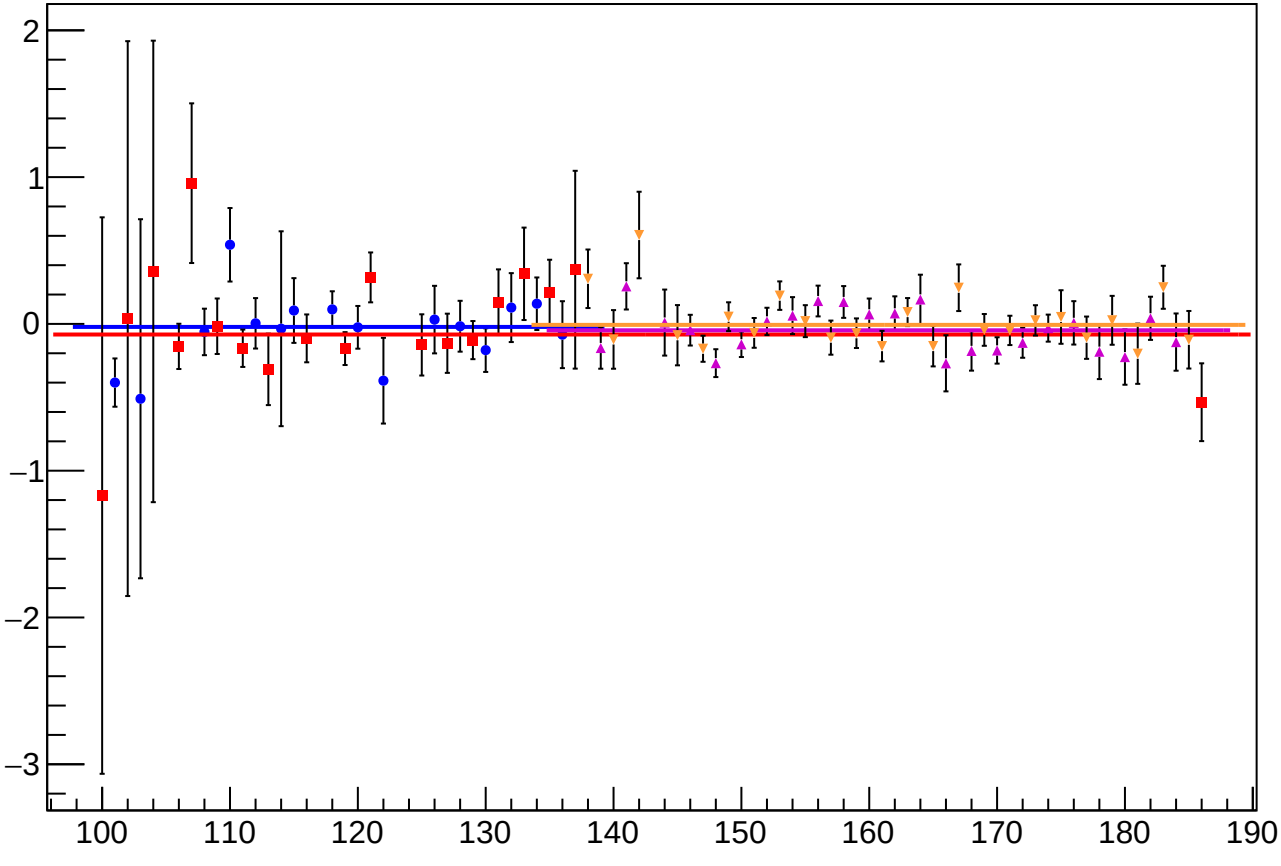
Right: 0.000+/-0.000 χ^2/NDF: 3927391.7/34

In: 0.000+/-0.000 χ^2/NDF:4967823.7/38

Out: 0.000+/-0.000 χ^2/NDF:5219101.0/42

All: 0.000+/-0.000 χ^2/NDF: 10187893.3/81

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.007+/-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

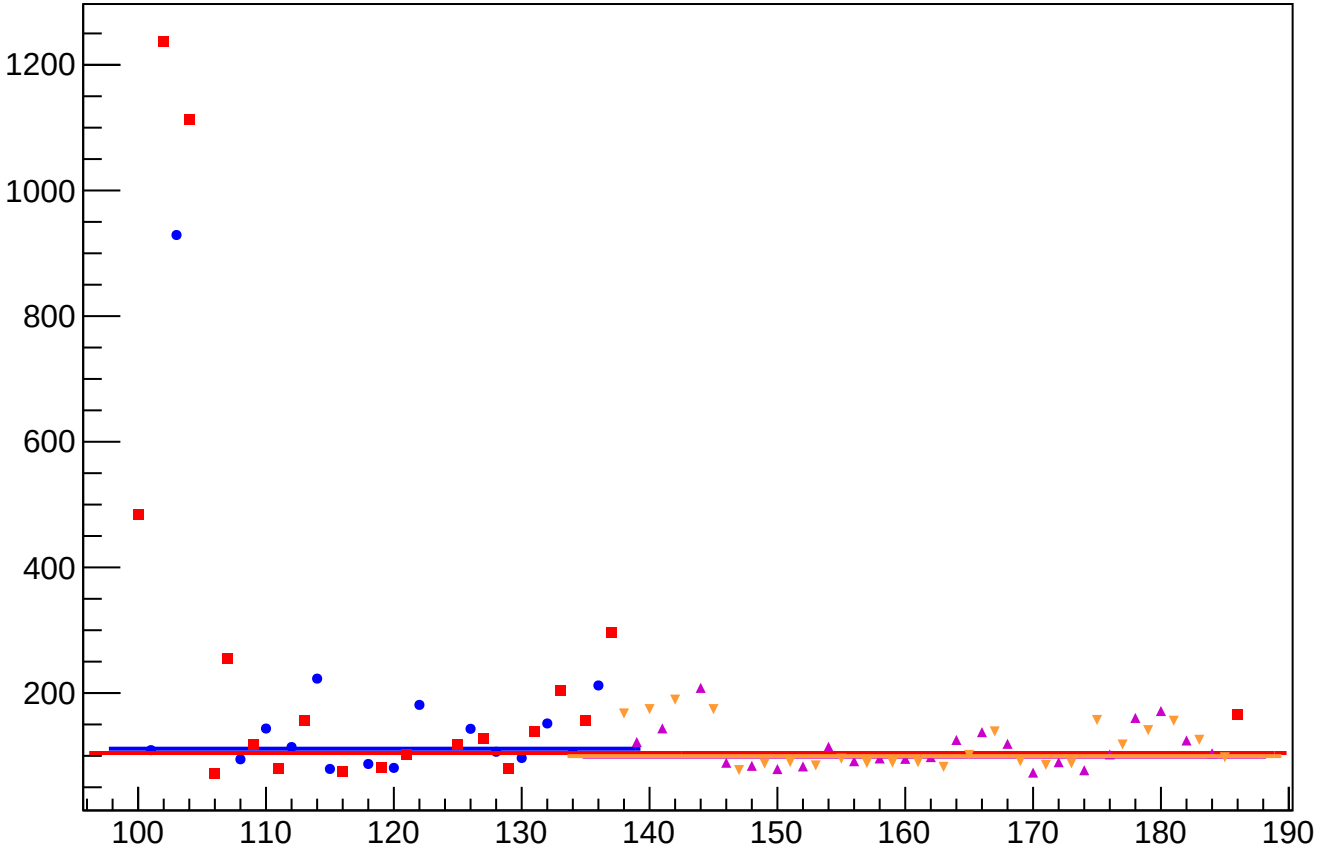
Right: -0.047+/-0.033 χ^2/NDF: 36.2/34

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/81

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 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

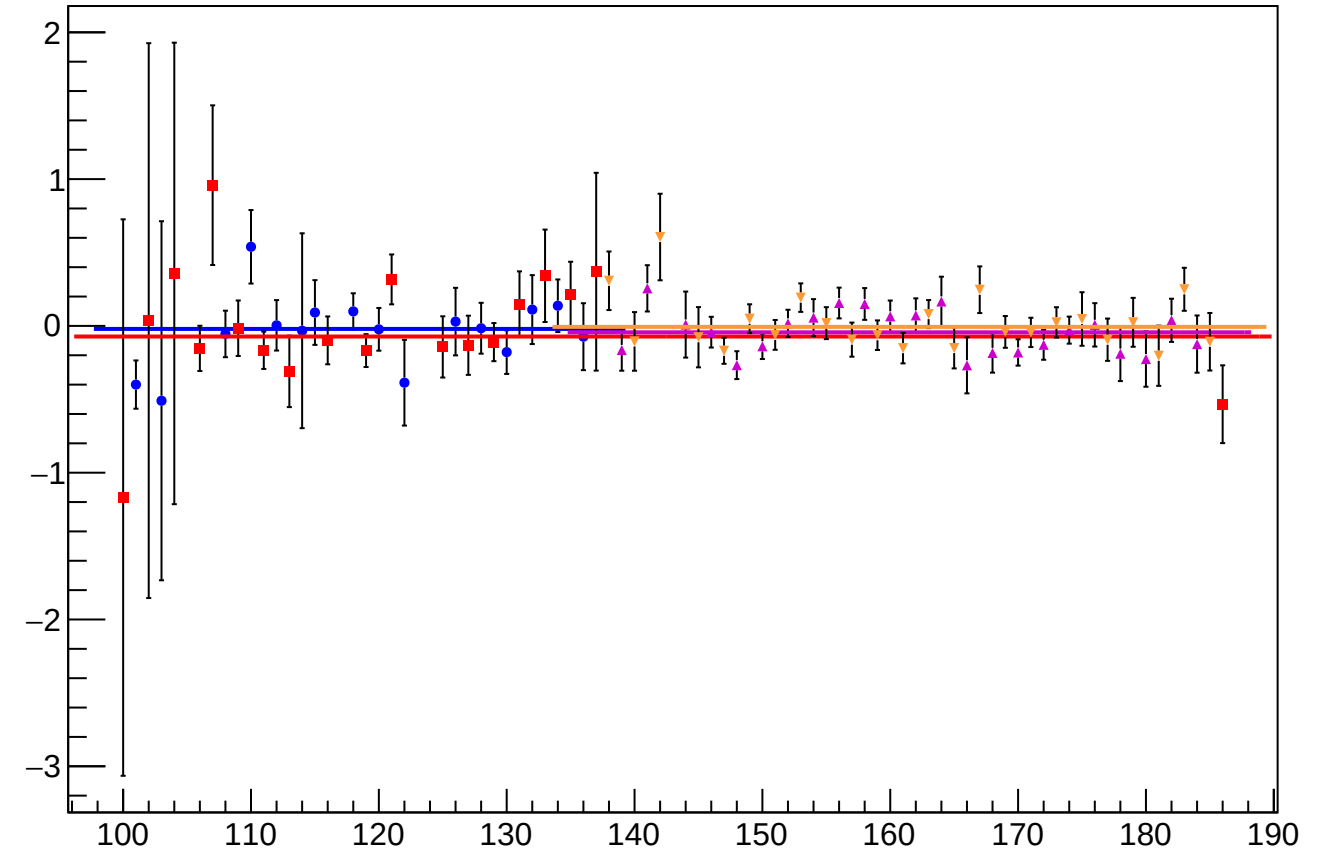
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 107.834+/-0.023 χ^2/NDF: 4797112.1/34

In: 101.431+/-0.016 χ^2/NDF:3954753.9/38

Out: 100.753+/-0.016 χ^2/NDF:5025098.7/42

All: 101.092+/-0.011 χ^2/NDF: 8980788.3/81



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

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

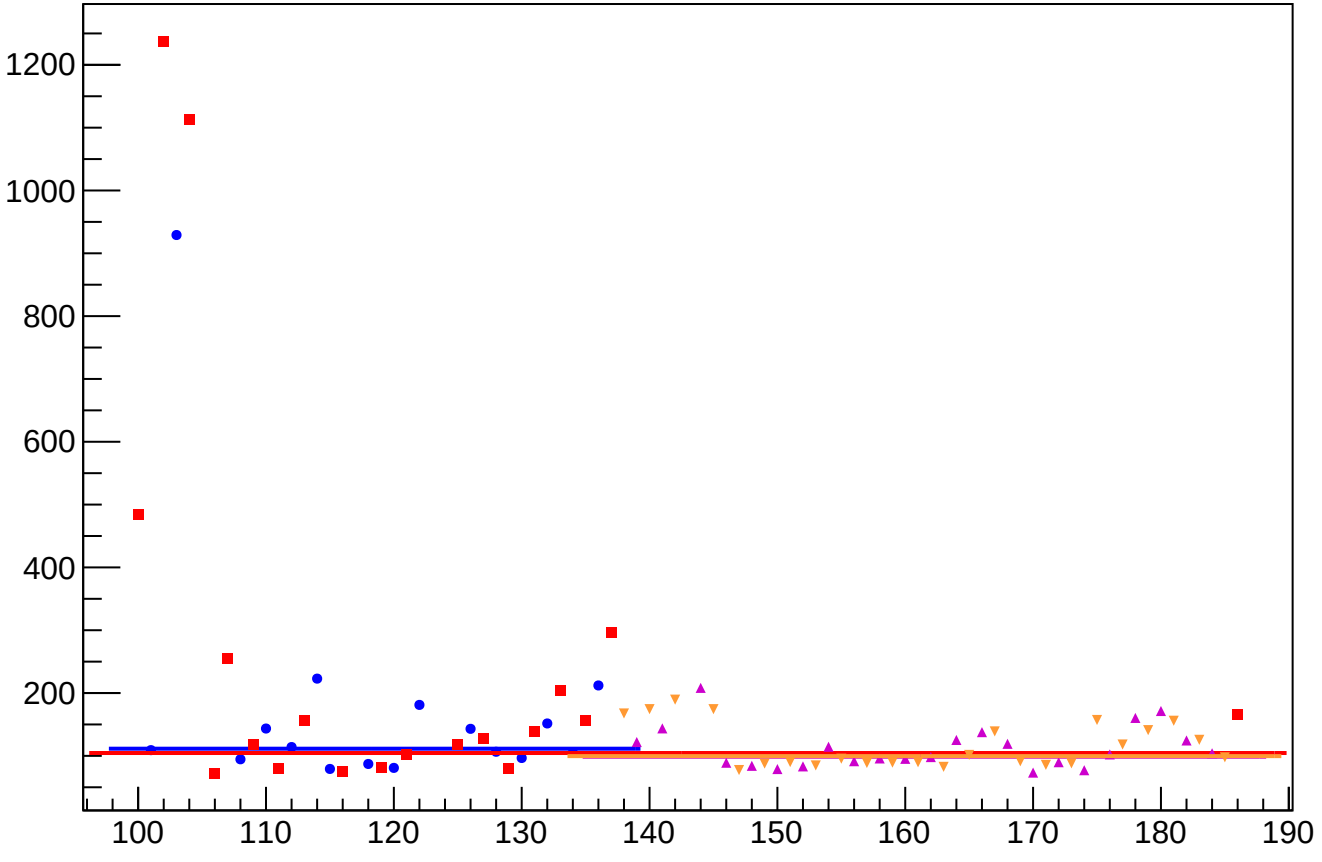
Right: -0.047+/-0.033 χ^2/NDF: 36.2/34

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/81

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 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

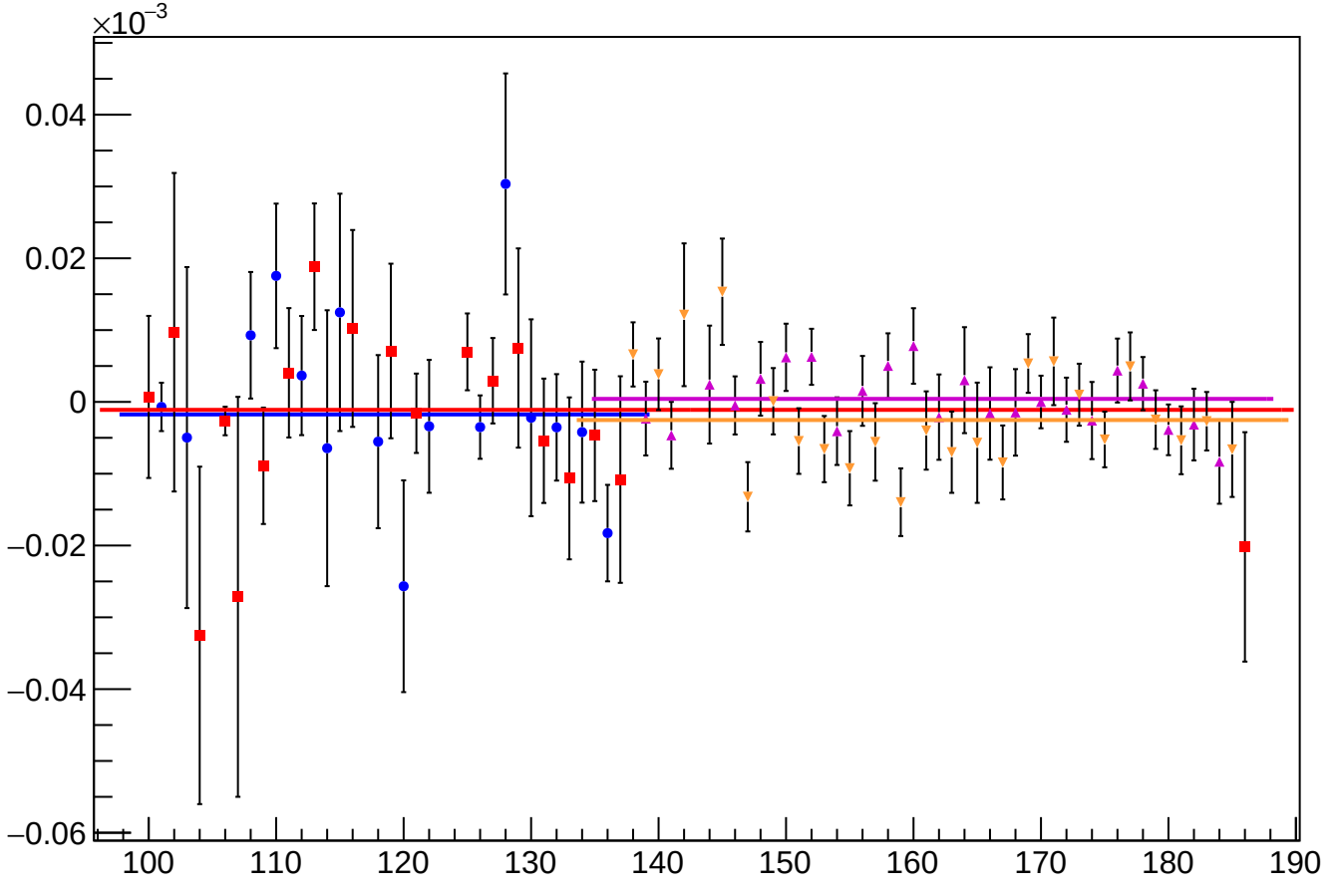
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 107.834+/-0.023 χ^2/NDF: 4797112.1/34

In: 101.431+/-0.016 χ^2/NDF:3954753.9/38

Out: 100.753+/-0.016 χ^2/NDF:5025098.7/42

All: 101.092+/-0.011 χ^2/NDF: 8980788.3/81



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

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

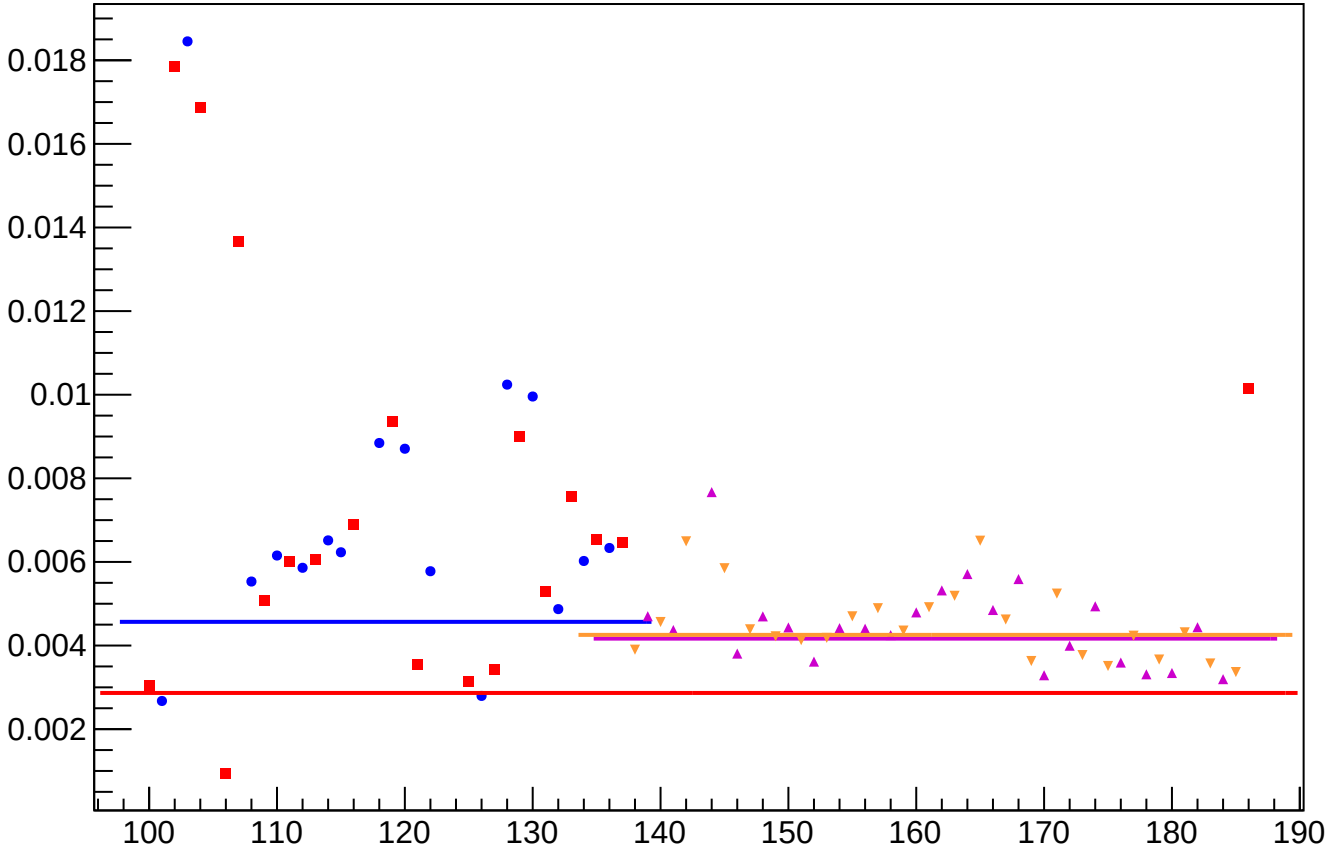
Right: -0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:36.9/38

Out: -0.000+/-0.000 χ^2/NDF:58.0/42

All: -0.000+/-0.000 χ^2/NDF: 97.7/81

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF: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

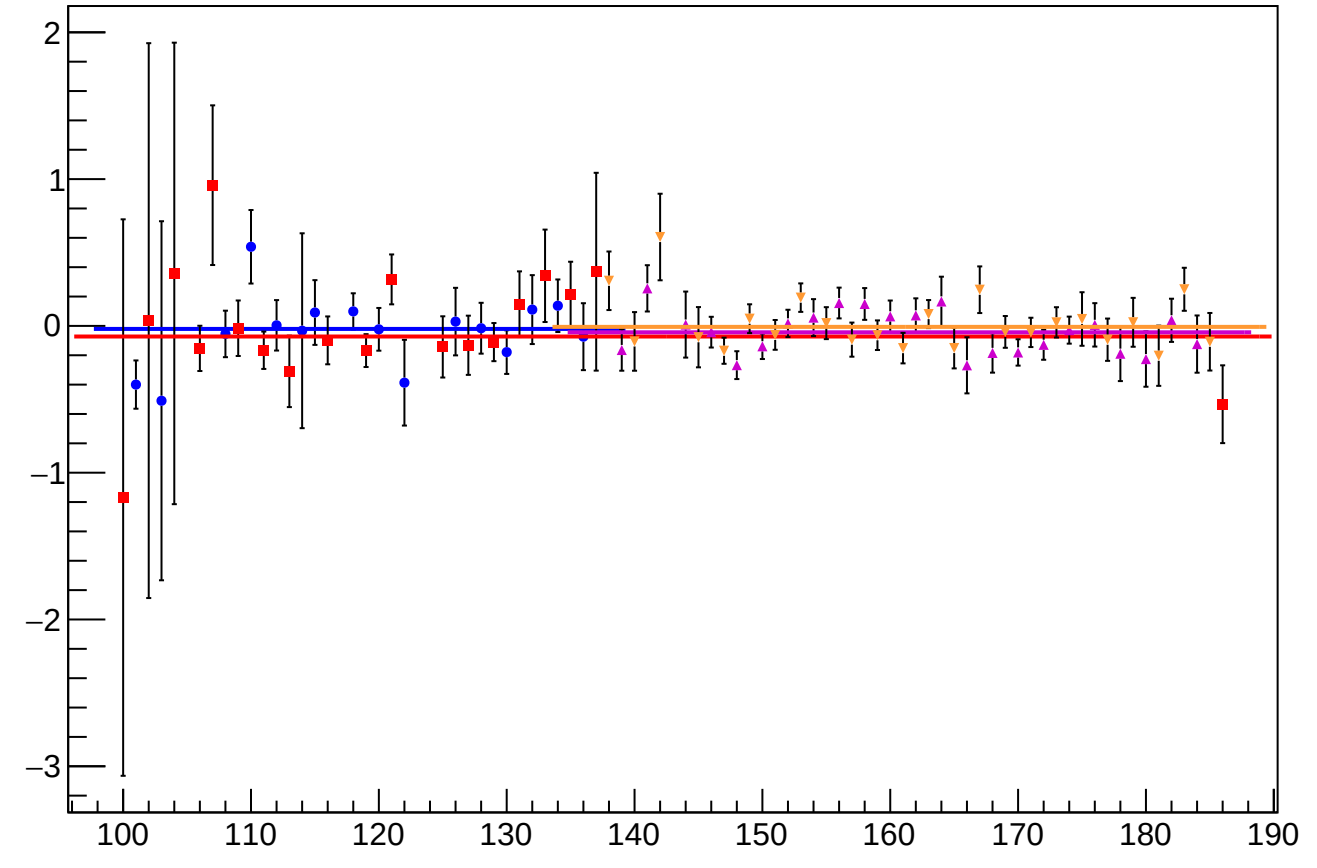
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 11023822.7/34

In: 0.004+/-0.000 χ^2/NDF:4357994.8/38

Out: 0.004+/-0.000 χ^2/NDF:9072727.1/42

All: 0.004+/-0.000 χ^2/NDF: 13693643.8/81



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

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

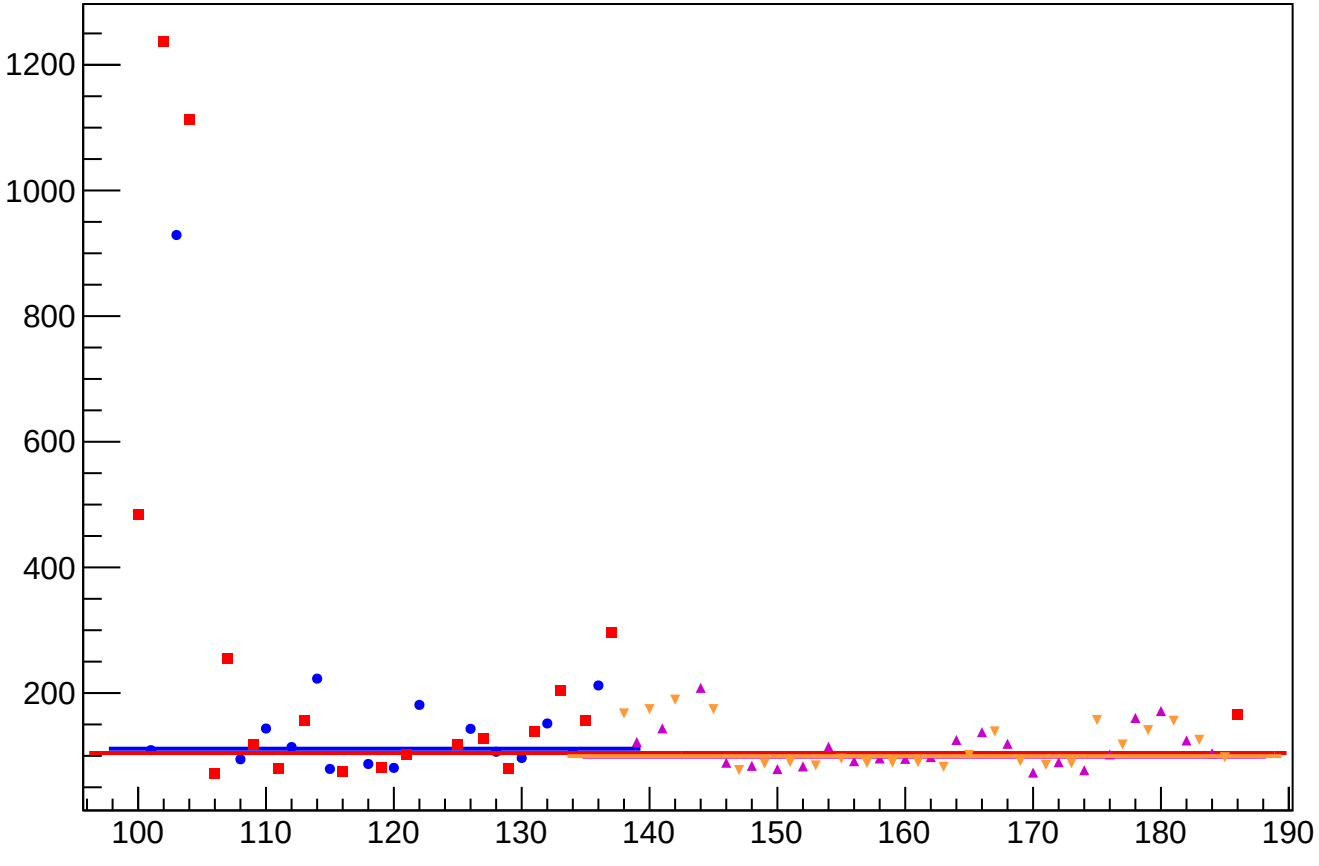
Right: -0.047+/-0.033 χ^2/NDF: 36.2/34

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/81

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 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

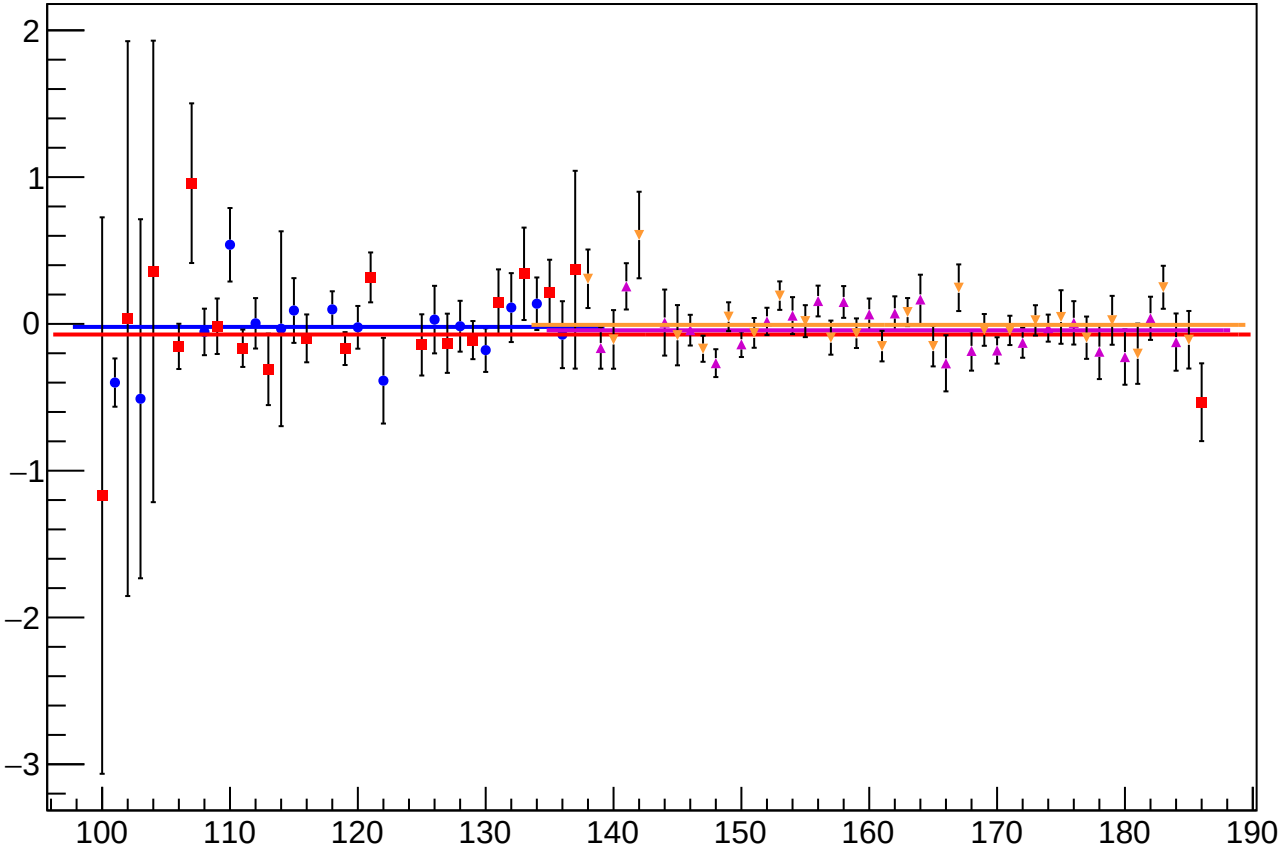
Right: 107.832+/-0.023 χ^2/NDF: 4797160.6/34

In: 101.431+/-0.016 χ^2/NDF:3954716.0/38

Out: 100.753+/-0.016 χ^2/NDF:5025056.8/42

All: 101.092+/-0.011 χ^2/NDF: 8980707.5/81

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.007+/-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

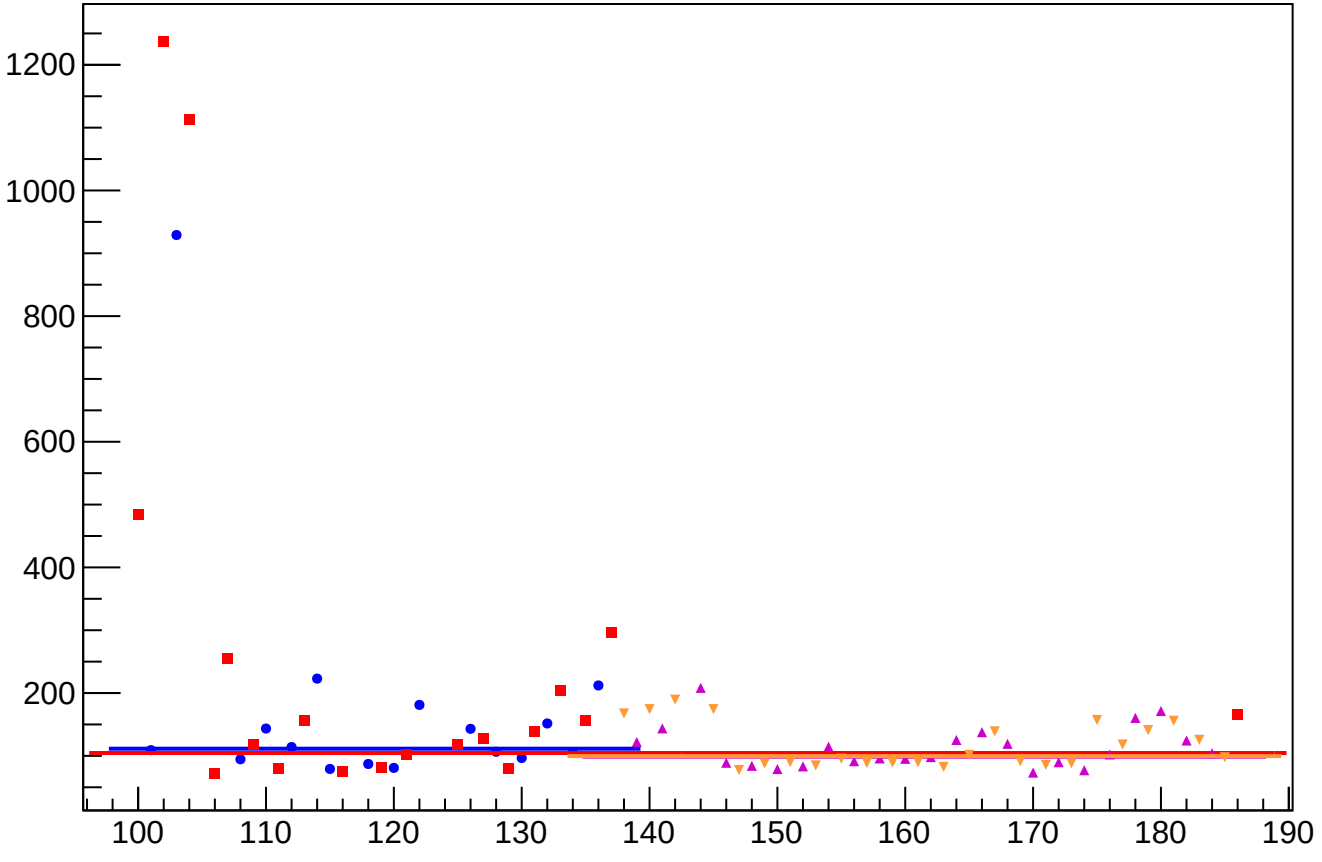
Right: -0.047+/-0.033 χ^2/NDF: 36.2/34

In: -0.039+/-0.022 χ^2/NDF:46.1/38

Out: -0.022+/-0.022 χ^2/NDF:49.2/42

All: -0.030+/-0.016 χ^2/NDF: 95.6/81

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 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

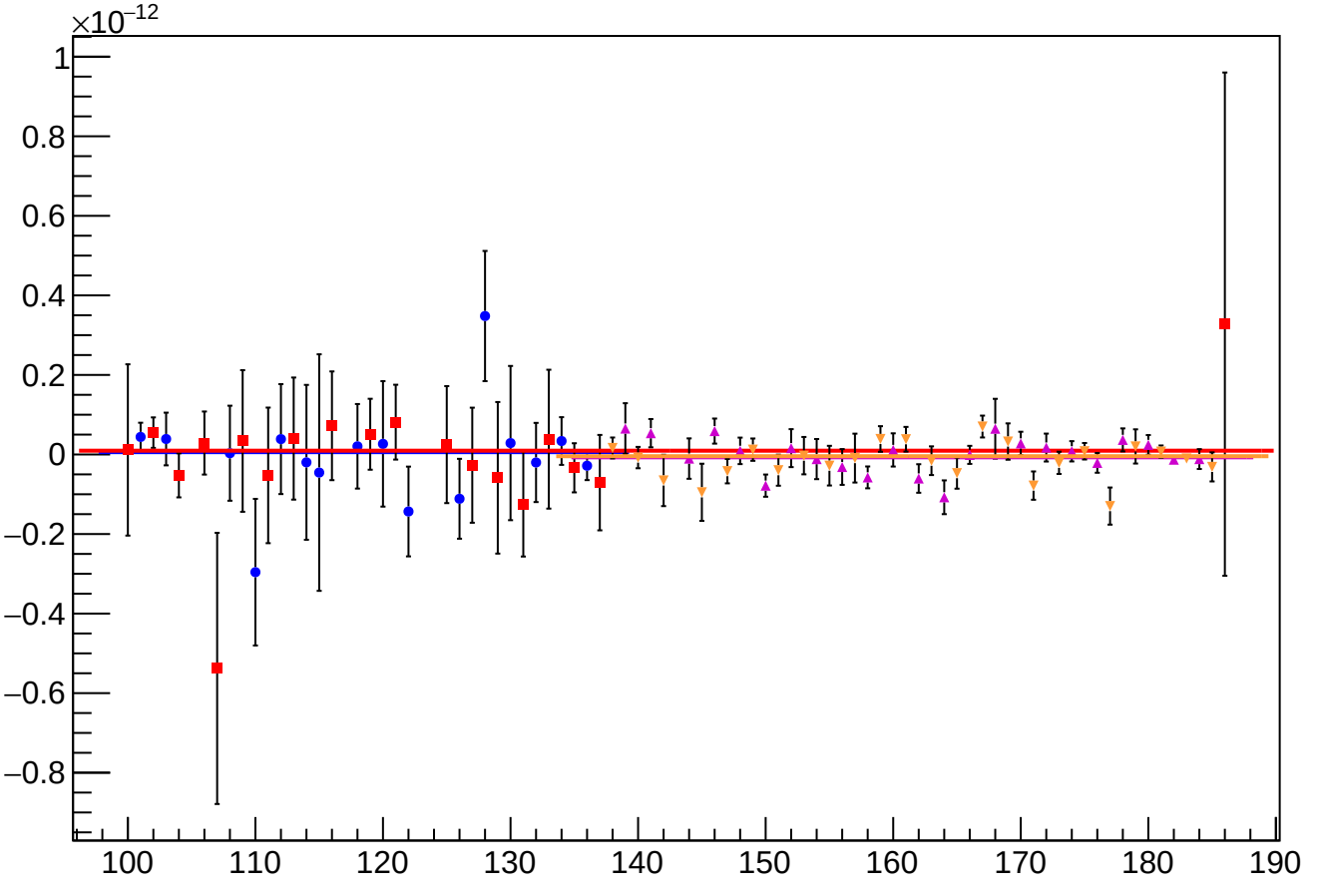
Right: 107.832+/-0.023 χ^2/NDF: 4797160.6/34

In: 101.431+/-0.016 χ^2/NDF:3954716.0/38

Out: 100.753+/-0.016 χ^2/NDF:5025056.8/42

All: 101.092+/-0.011 χ^2/NDF: 8980707.5/81

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8.9/18

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

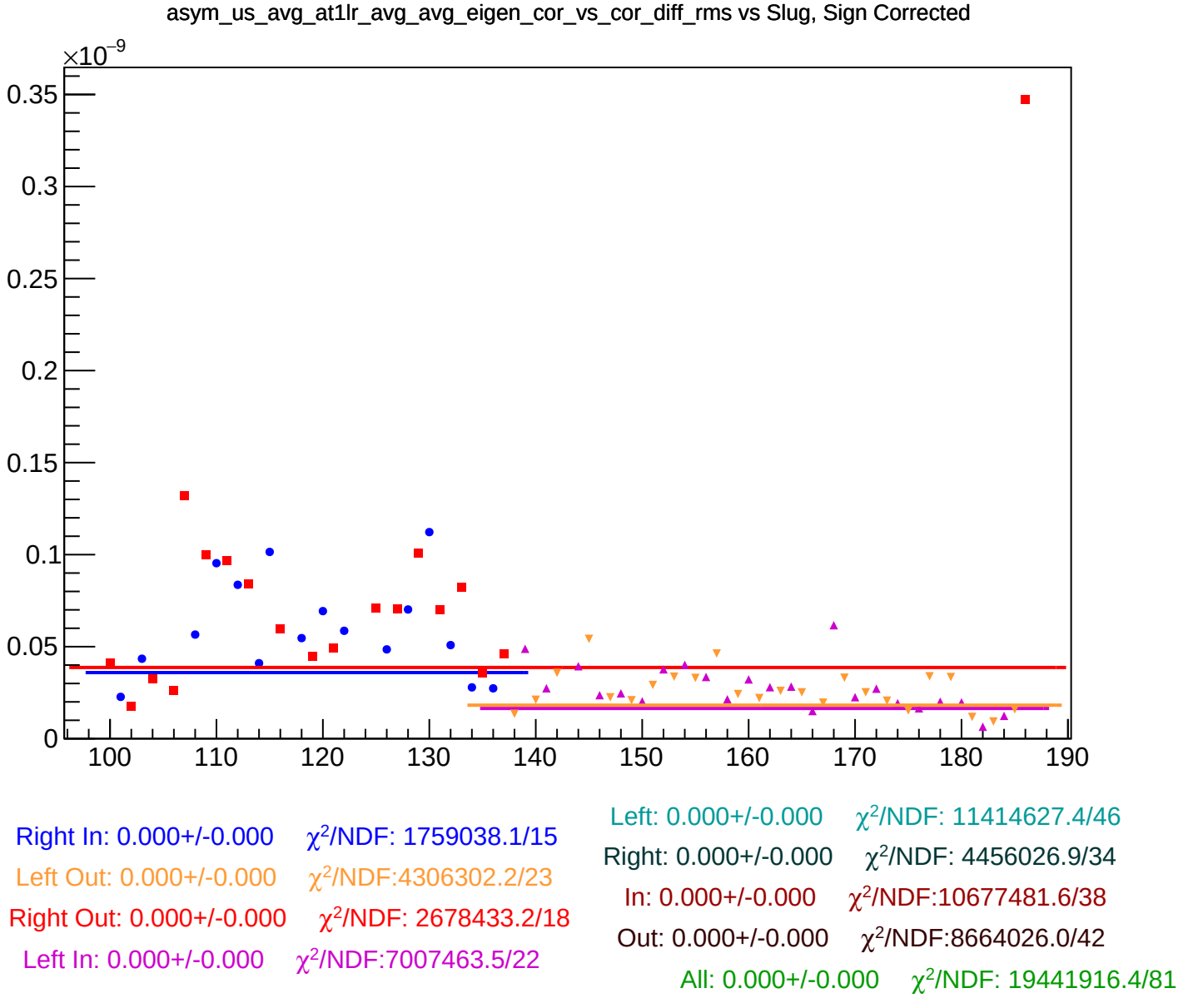
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

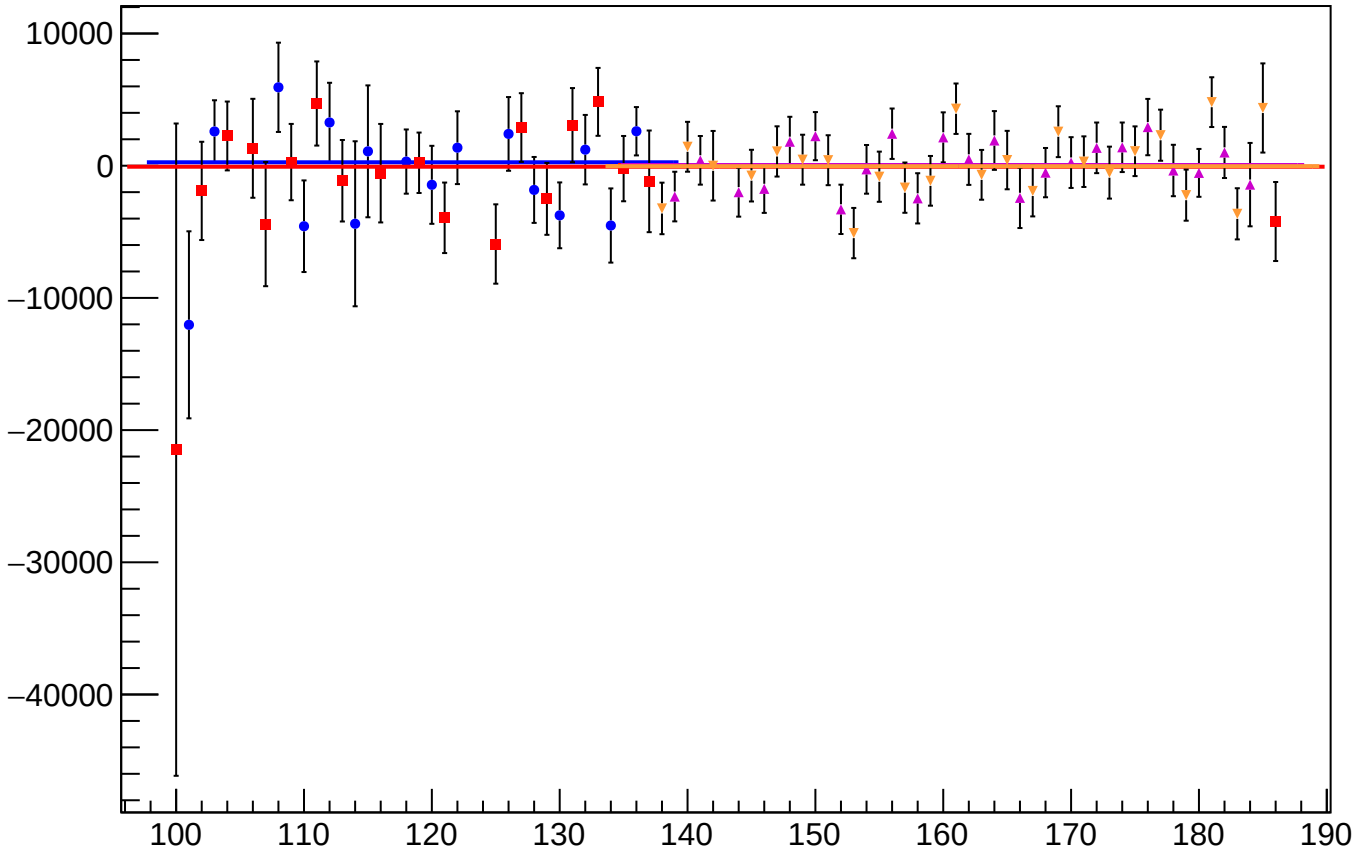
Right: 0.000+/-0.000 χ^2/NDF: 21.8/34

In: -0.000+/-0.000 χ^2/NDF:48.5/38

Out: -0.000+/-0.000 χ^2/NDF:42.3/42

All: -0.000+/-0.000 χ^2/NDF: 90.9/81


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2678433.2/18
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 4456026.9/34
In: 0.000+/-0.000 χ²/NDF:10677481.6/38
Out: 0.000+/-0.000 χ²/NDF:8664026.0/42
All: 0.000+/-0.000 χ²/NDF: 19441916.4/81



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

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

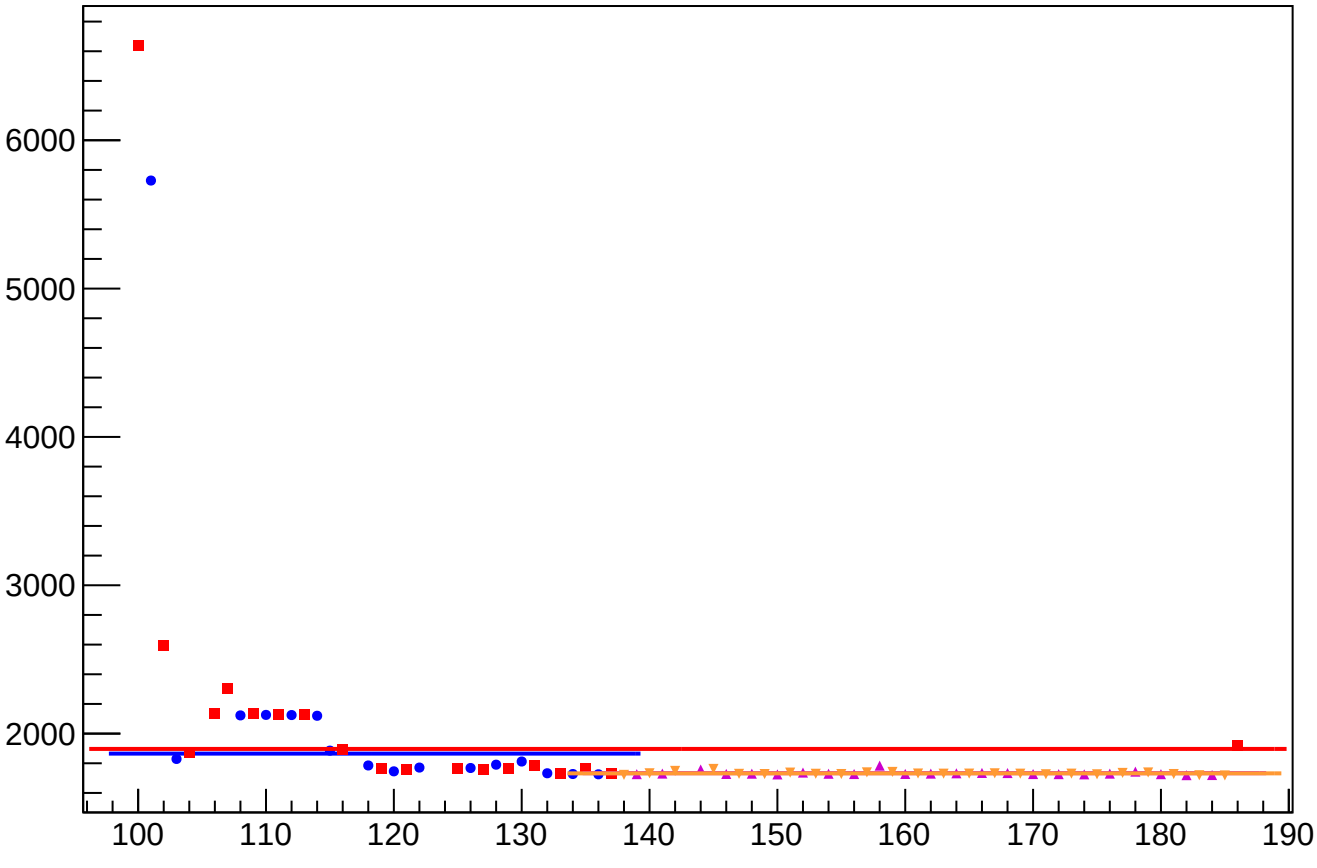
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 87.683+/-495.790 χ^2/NDF: 39.7/34

In: 103.519+/-351.559 χ^2/NDF:38.9/38

Out: -45.199+/-347.699 χ^2/NDF:55.5/42

All: 28.339+/-247.214 χ^2/NDF: 94.5/81



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

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

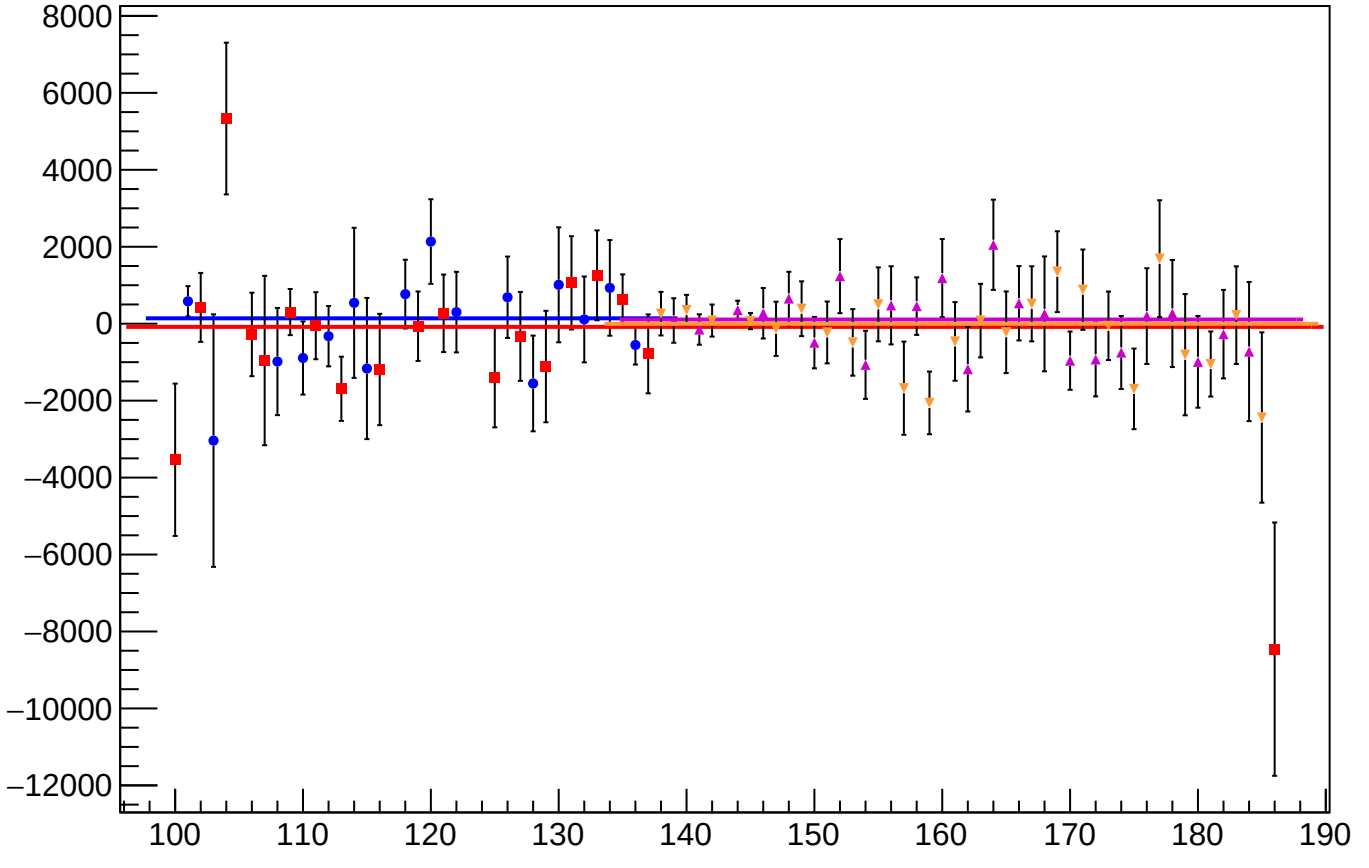
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1881.325+/-0.351 χ^2/NDF: 925714.7/34

In: 1765.671+/-0.249 χ^2/NDF:727050.6/38

Out: 1773.466+/-0.246 χ^2/NDF:336487.3/42

All: 1769.612+/-0.175 χ^2/NDF: 1064035.1/81



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

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

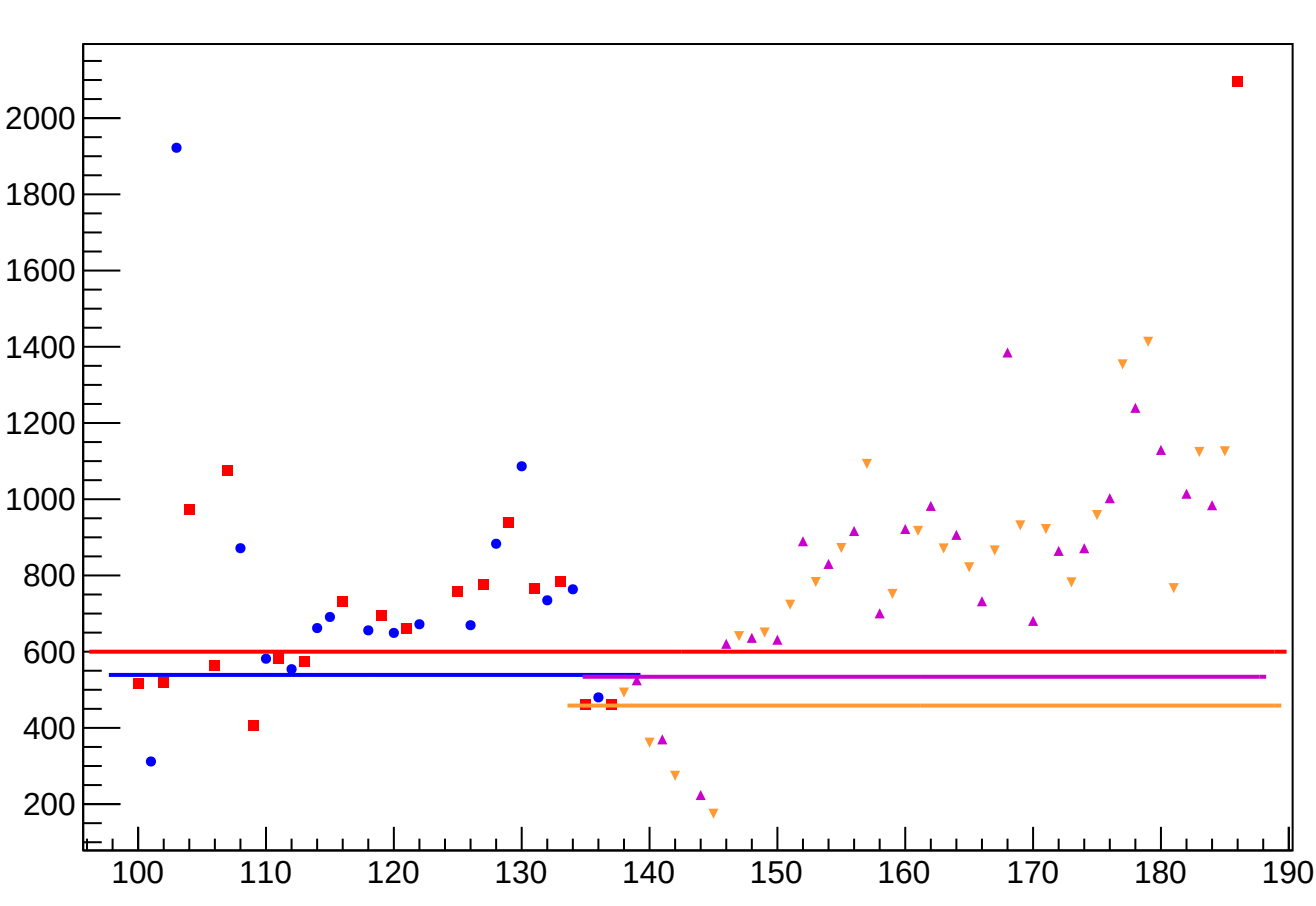
Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

Right: 37.147+/-161.477 χ^2/NDF: 41.8/34

In: 117.739+/-120.099 χ^2/NDF:30.5/38

Out: -20.868+/-114.084 χ^2/NDF:48.3/42

All: 44.878+/-82.714 χ^2/NDF: 79.4/81



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

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

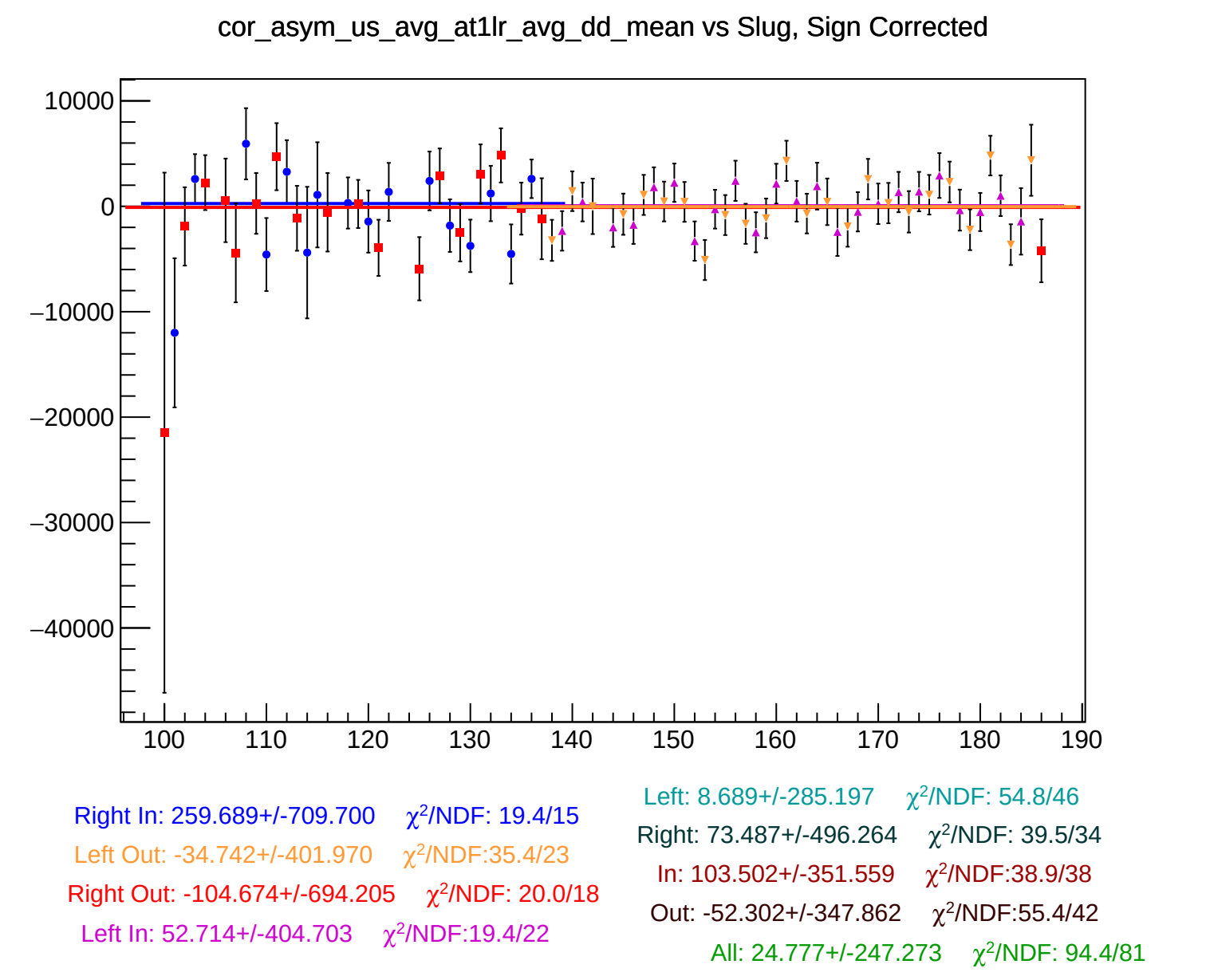
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

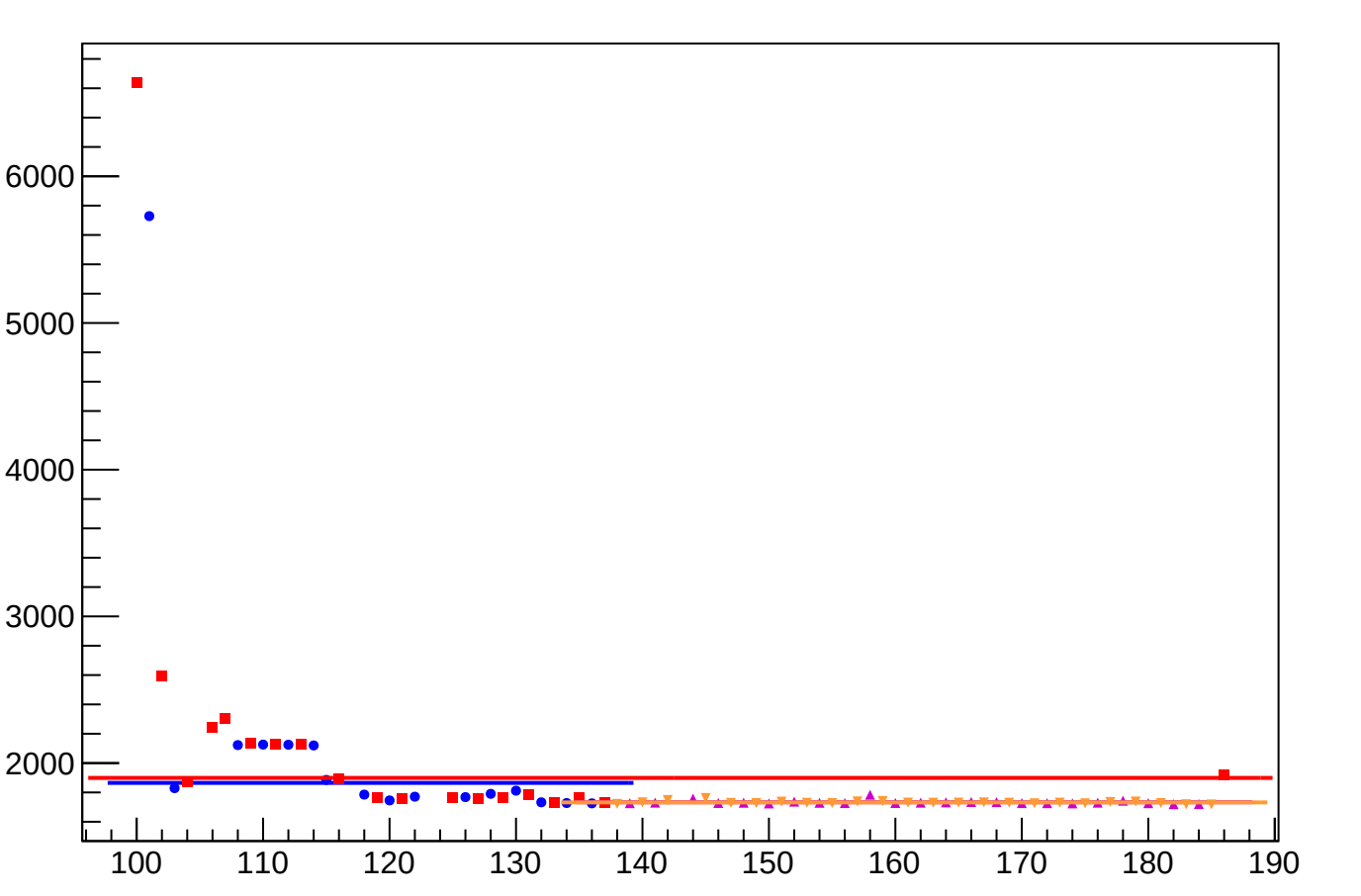
Right: 567.147+/-0.114 χ^2/NDF: 3183617.4/34

In: 535.606+/-0.085 χ^2/NDF:10298553.1/38

Out: 491.160+/-0.081 χ^2/NDF:13229630.1/42

All: 512.242+/-0.058 χ^2/NDF: 23672174.6/81


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -104.674+/-694.205 χ²/NDF: 20.0/18
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 73.487+/-496.264 χ²/NDF: 39.5/34
In: 103.502+/-351.559 χ²/NDF:38.9/38
Out: -52.302+/-347.862 χ²/NDF:55.4/42
All: 24.777+/-247.273 χ²/NDF: 94.4/81



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

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

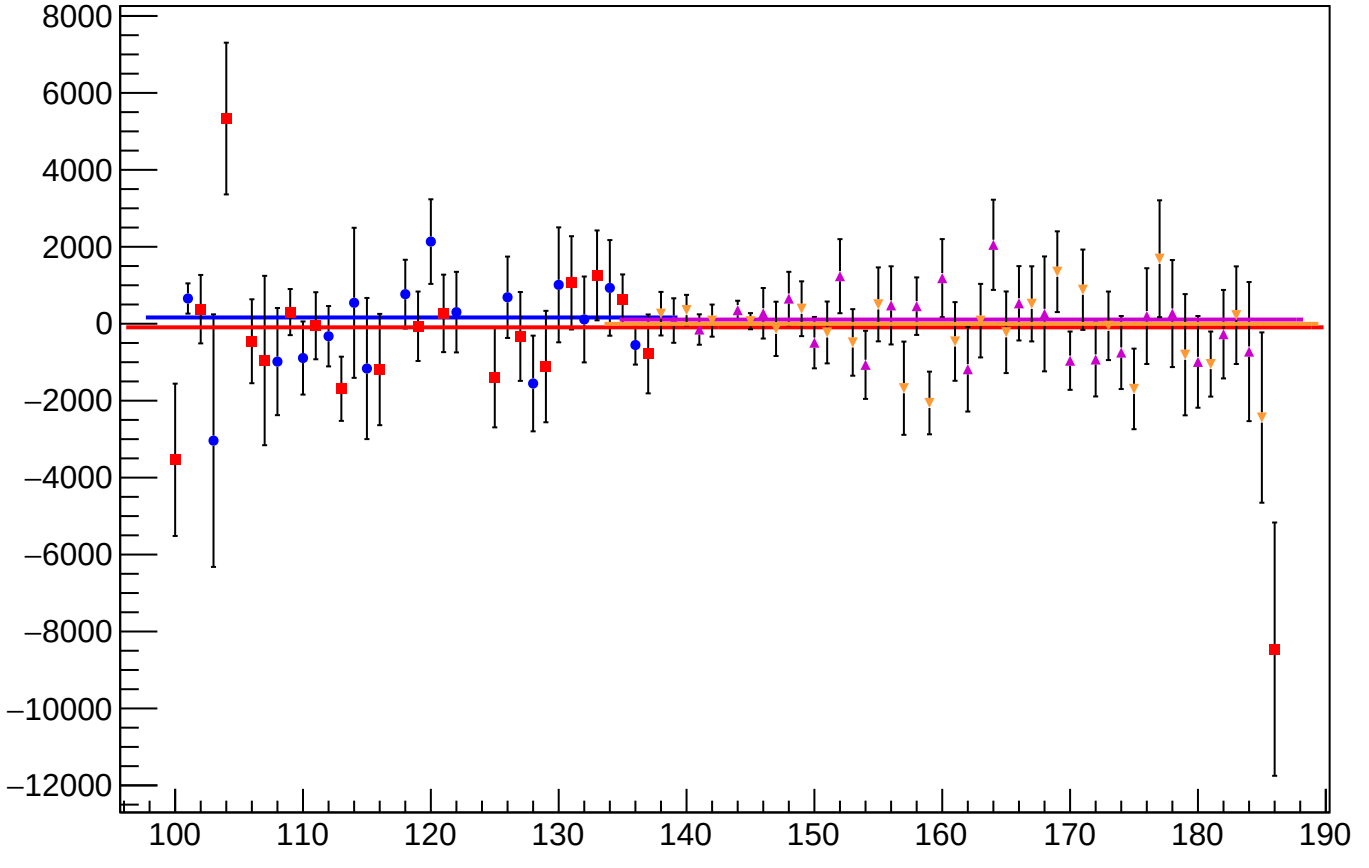
Right: 1882.483+/-0.351 χ^2/NDF: 932920.8/34

In: 1765.671+/-0.249 χ^2/NDF:727050.4/38

Out: 1773.934+/-0.246 χ^2/NDF:345548.5/42

All: 1769.846+/-0.175 χ^2/NDF: 1073157.2/81

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: -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

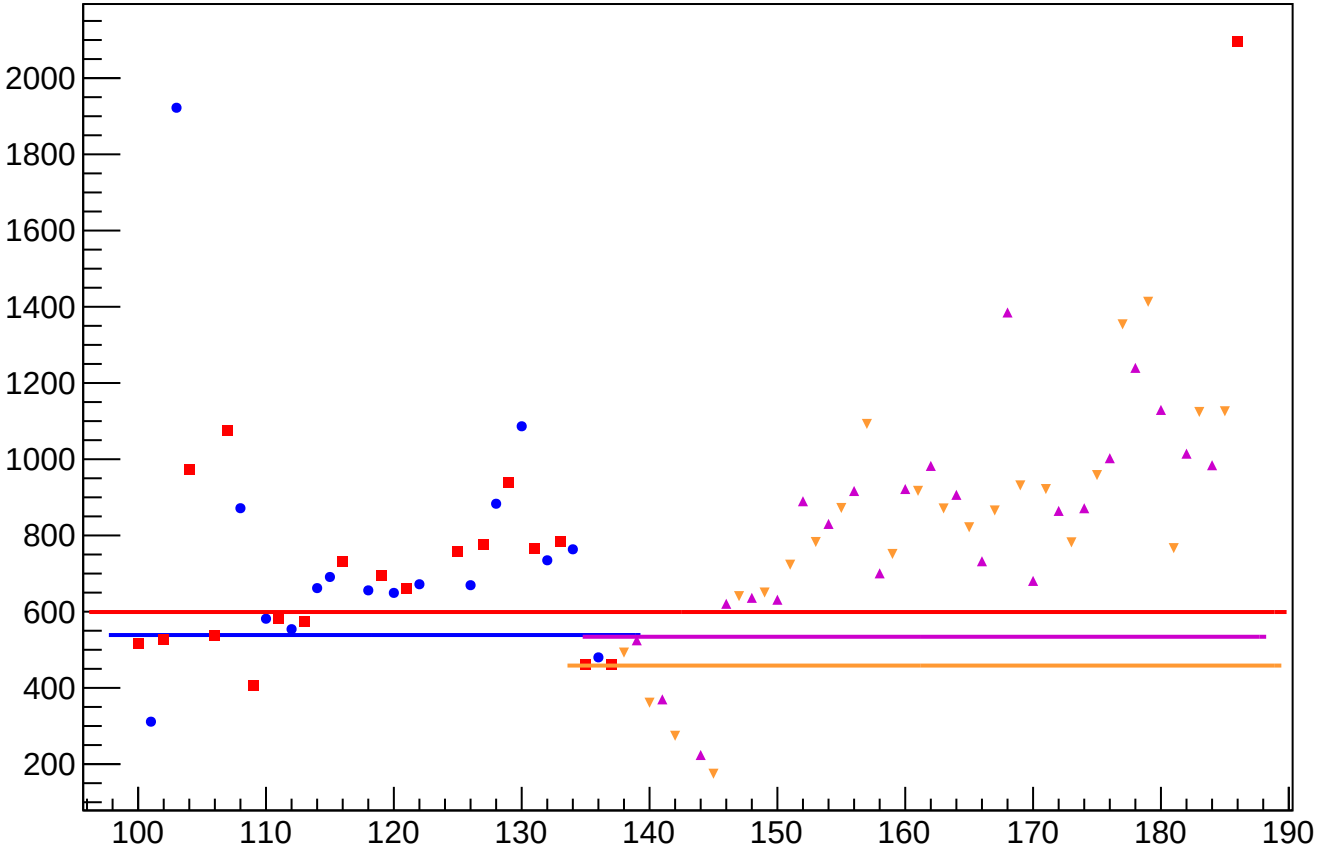
Right: 44.692+/-161.430 χ^2/NDF: 42.5/34

In: 124.679+/-120.087 χ^2/NDF:31.0/38

Out: -23.486+/-114.079 χ^2/NDF:48.3/42

All: 46.798+/-82.709 χ^2/NDF: 80.1/81

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 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

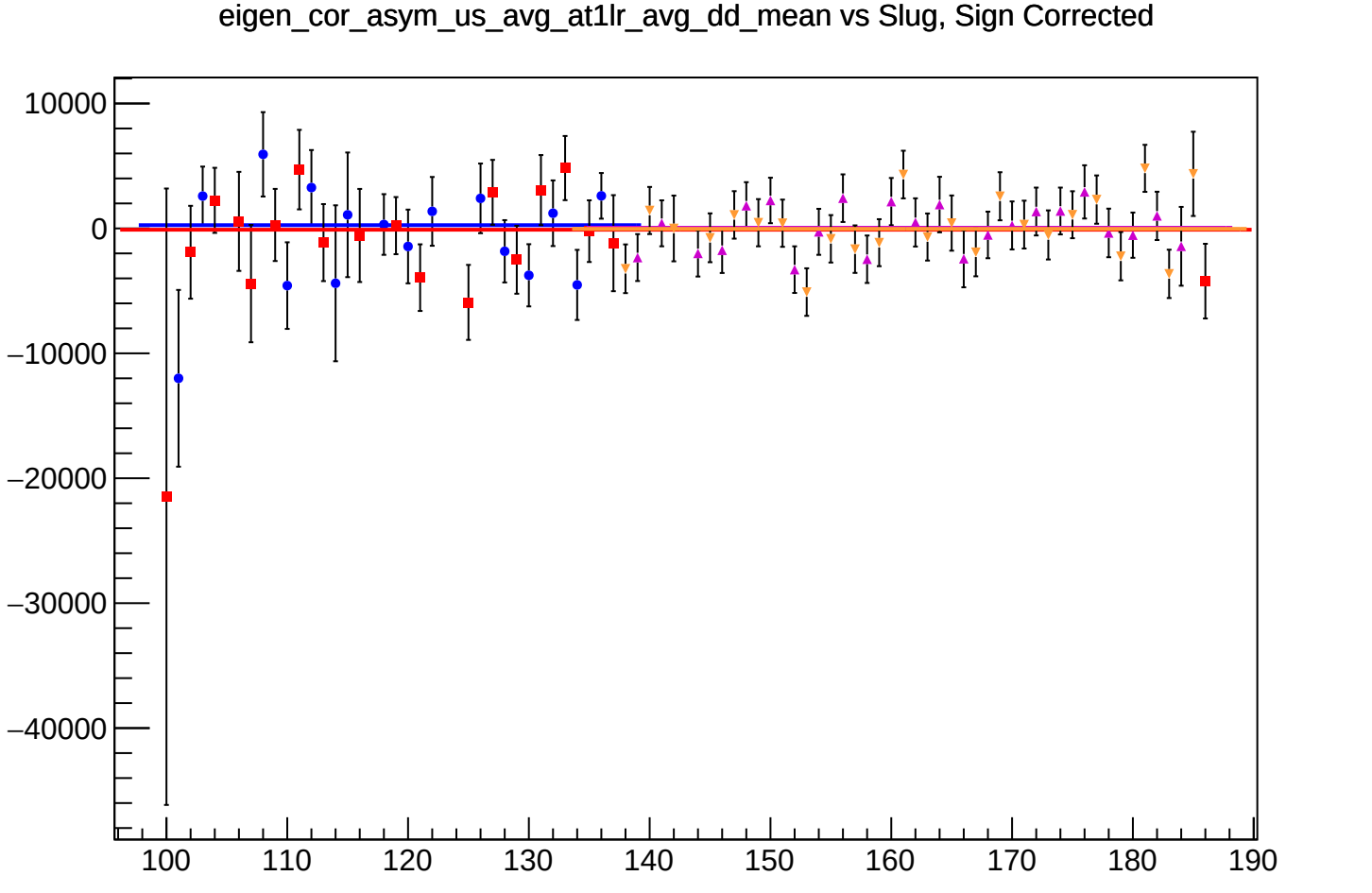
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 566.579+/-0.114 χ^2/NDF: 3188655.7/34

In: 535.519+/-0.085 χ^2/NDF:10302301.9/38

Out: 490.982+/-0.081 χ^2/NDF:13224672.7/42

All: 512.109+/-0.058 χ^2/NDF: 23671575.4/81



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

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

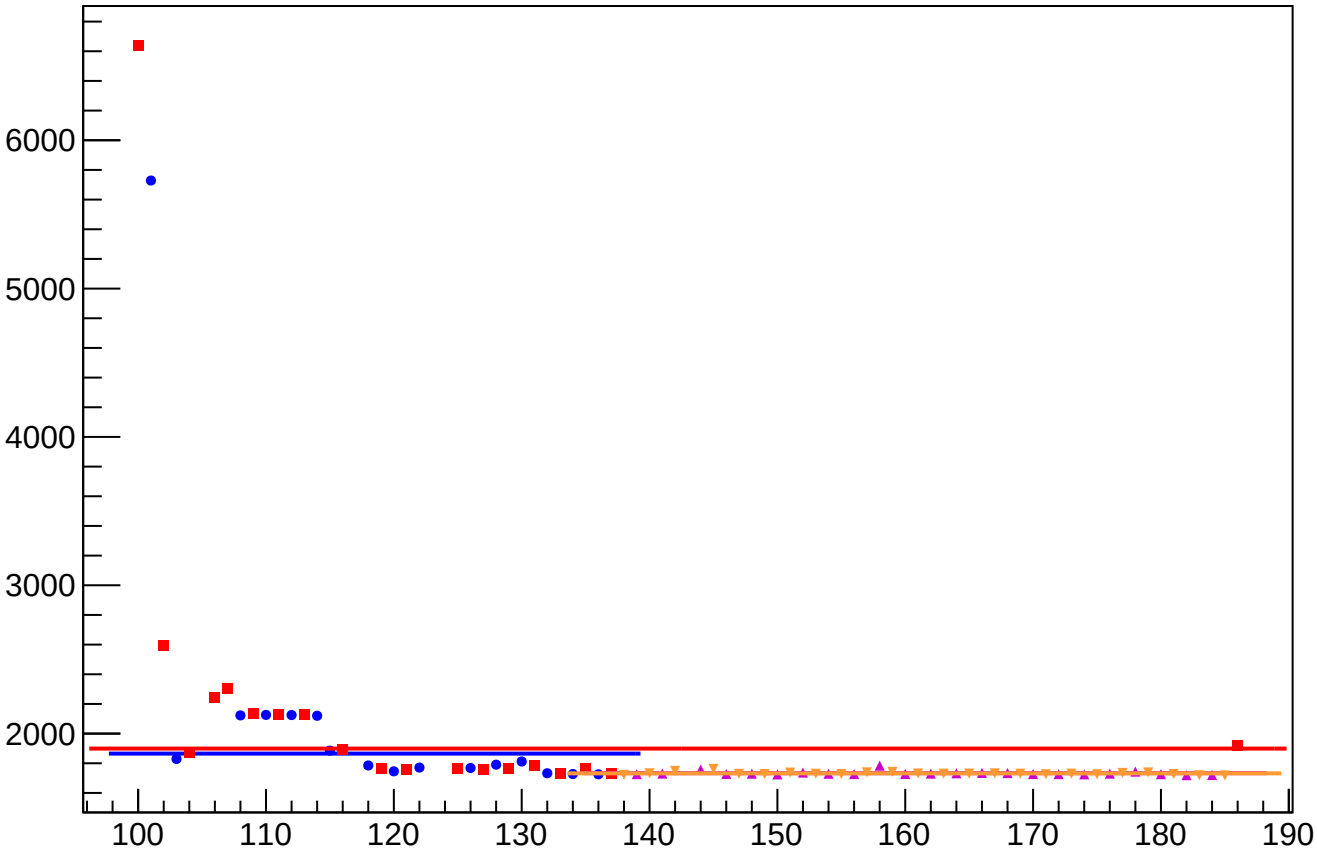
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 73.487+/-496.264 χ^2/NDF: 39.5/34

In: 103.502+/-351.559 χ^2/NDF:38.9/38

Out: -52.302+/-347.862 χ^2/NDF:55.4/42

All: 24.777+/-247.273 χ^2/NDF: 94.4/81



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

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

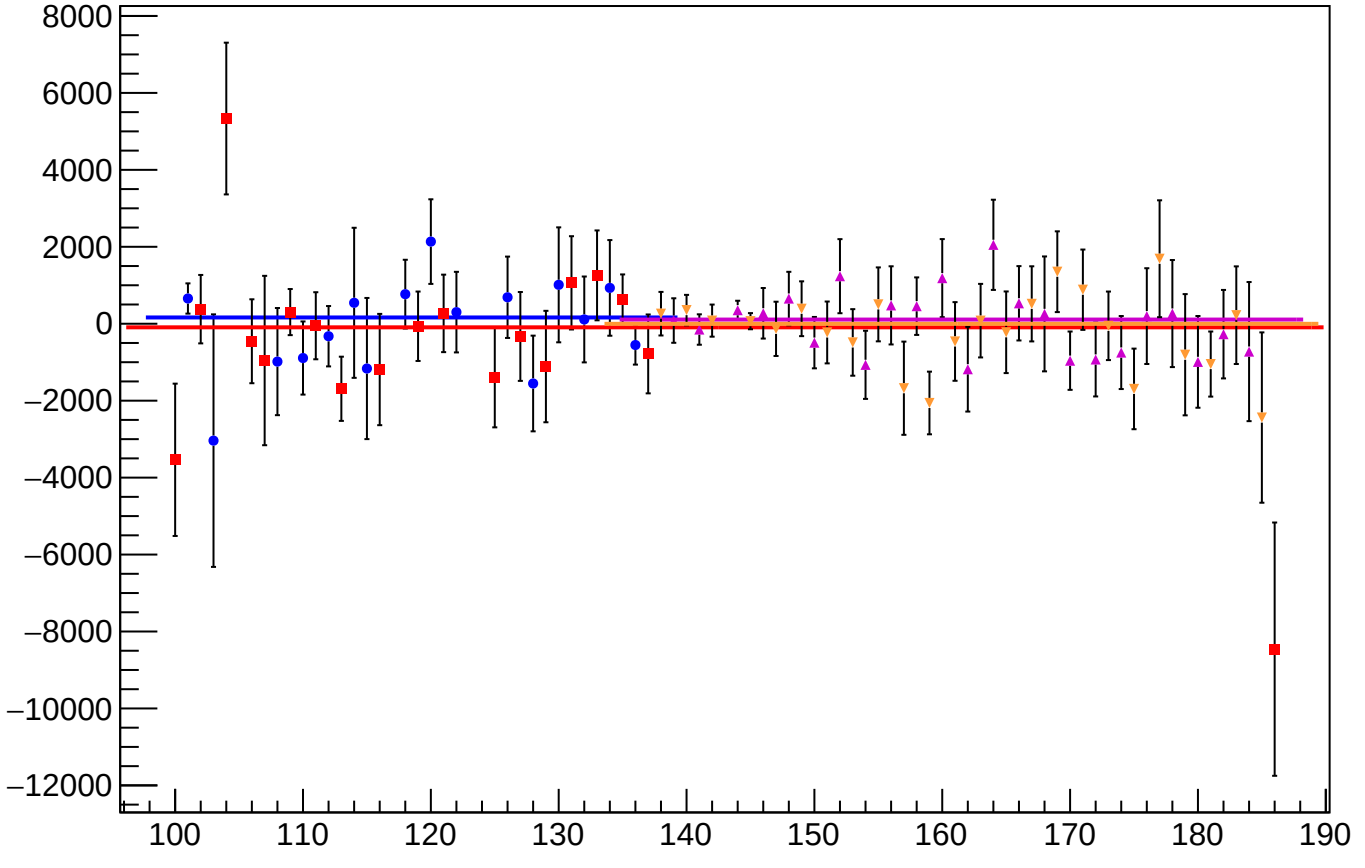
Right: 1882.483+/-0.351 χ^2/NDF: 932920.8/34

In: 1765.671+/-0.249 χ^2/NDF:727050.4/38

Out: 1773.934+/-0.246 χ^2/NDF:345548.5/42

All: 1769.846+/-0.175 χ^2/NDF: 1073157.2/81

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: -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

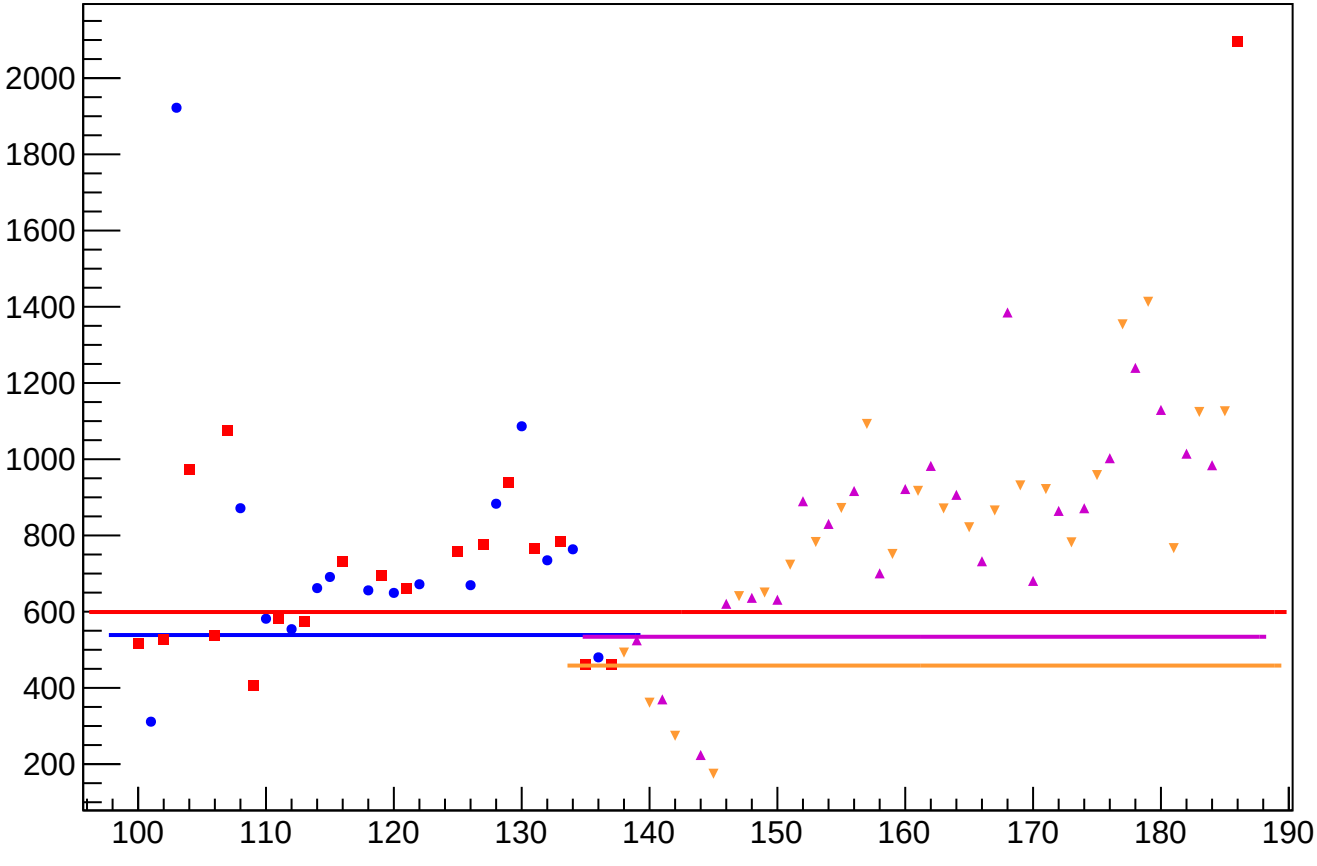
Right: 44.692+/-161.430 χ^2/NDF: 42.5/34

In: 124.679+/-120.087 χ^2/NDF:31.0/38

Out: -23.486+/-114.079 χ^2/NDF:48.3/42

All: 46.798+/-82.709 χ^2/NDF: 80.1/81

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 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

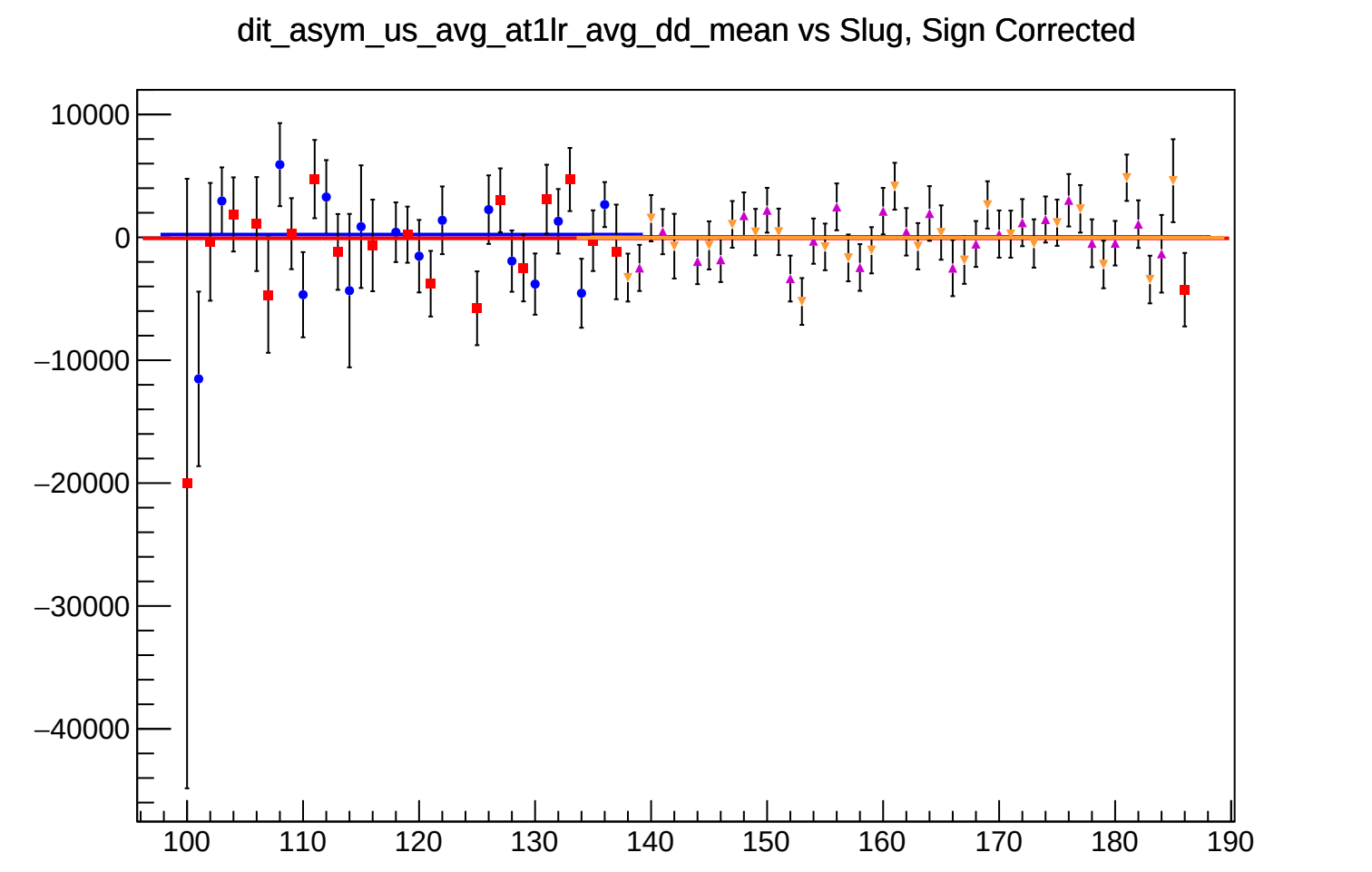
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 566.579+/-0.114 χ^2/NDF: 3188655.7/34

In: 535.519+/-0.085 χ^2/NDF:10302301.9/38

Out: 490.982+/-0.081 χ^2/NDF:13224672.7/42

All: 512.109+/-0.058 χ^2/NDF: 23671575.4/81



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

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

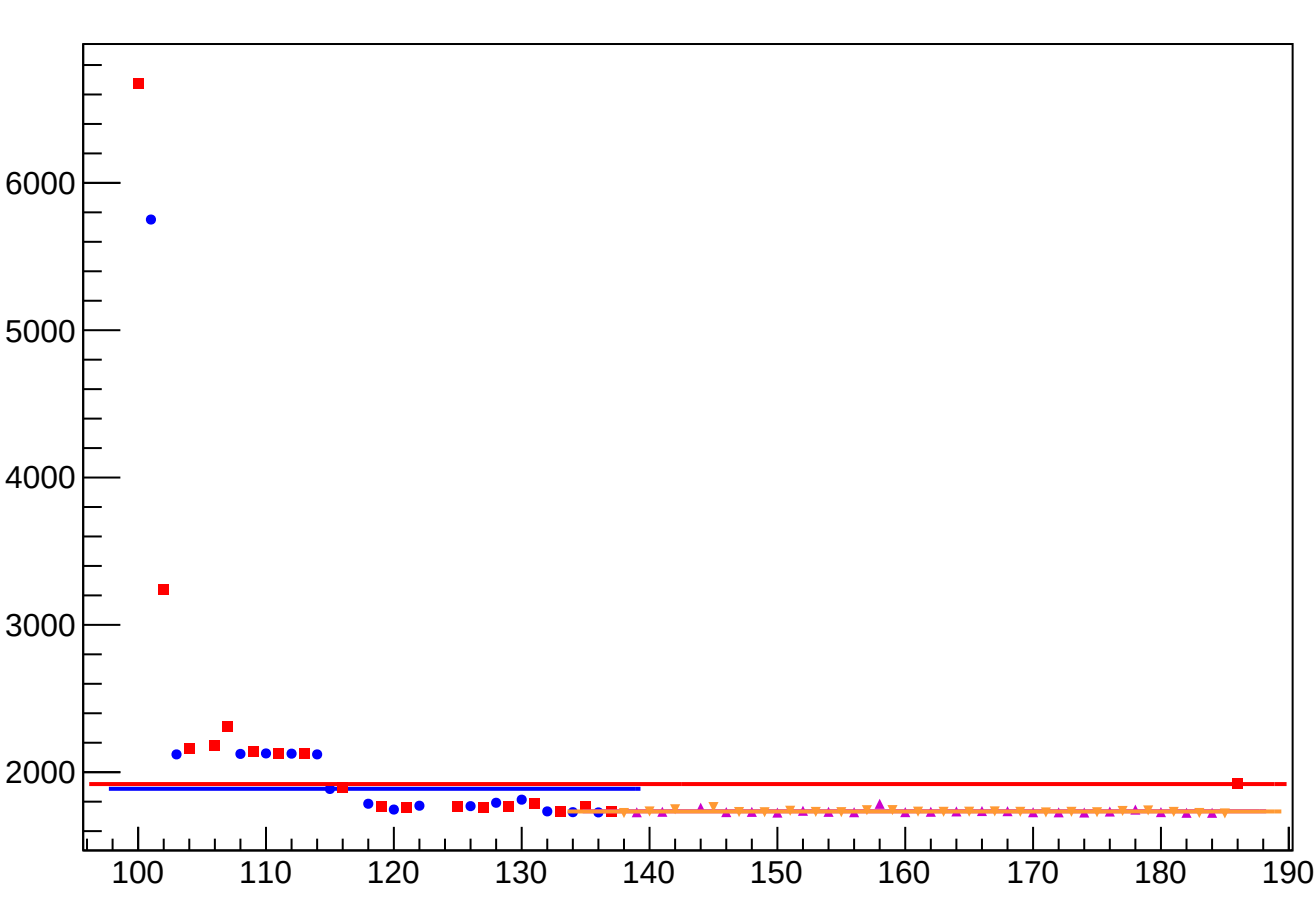
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 69.140+/-503.355 χ^2/NDF: 38.6/34

In: 86.777+/-352.852 χ^2/NDF:39.3/38

Out: -42.357+/-349.465 χ^2/NDF:54.5/42

All: 21.587+/-248.298 χ^2/NDF: 93.9/81



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

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

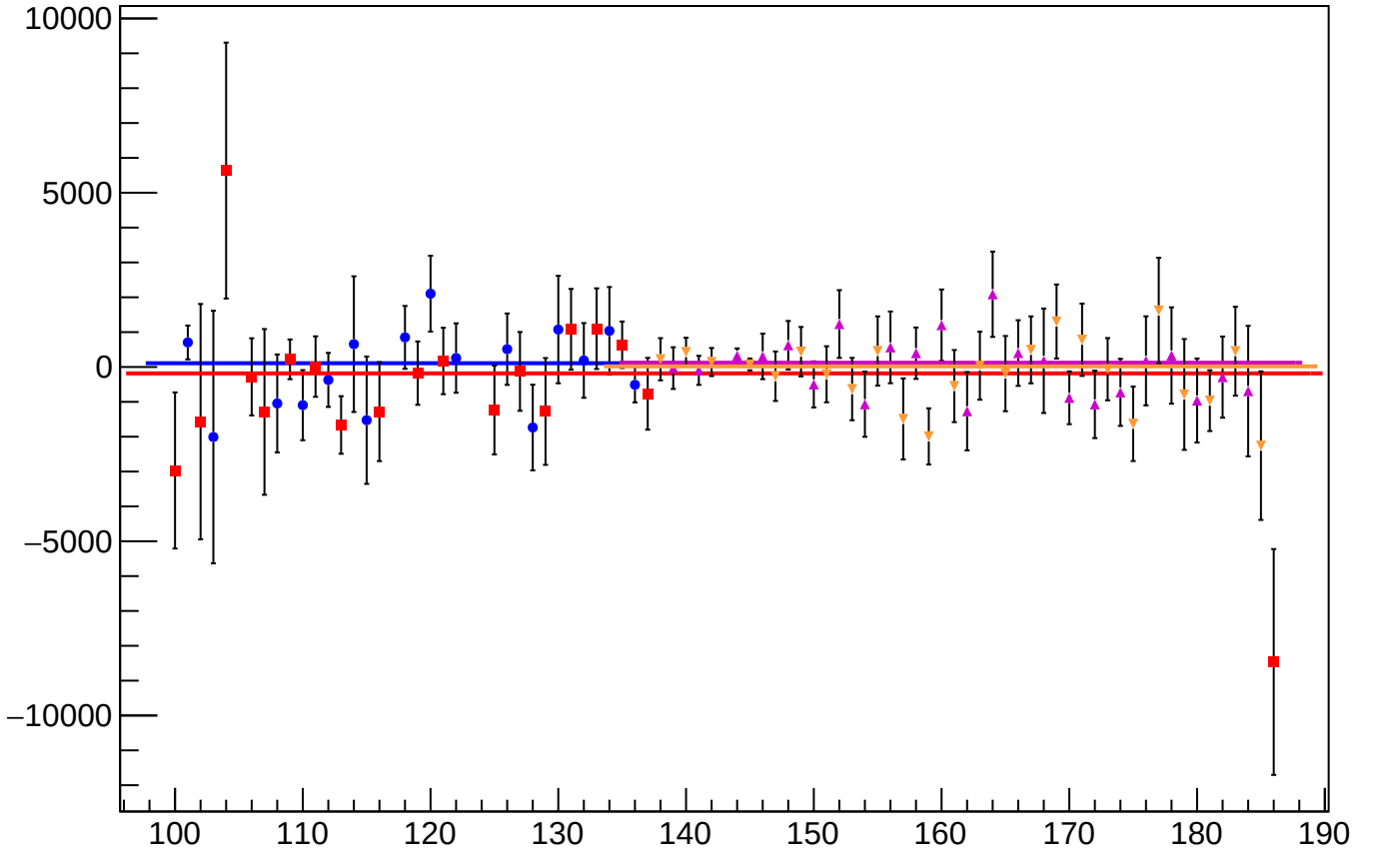
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1903.676+/-0.356 χ^2/NDF: 1044052.2/34

In: 1771.583+/-0.250 χ^2/NDF:759980.1/38

Out: 1779.130+/-0.247 χ^2/NDF:458375.3/42

All: 1775.393+/-0.176 χ^2/NDF: 1218817.2/81



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

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

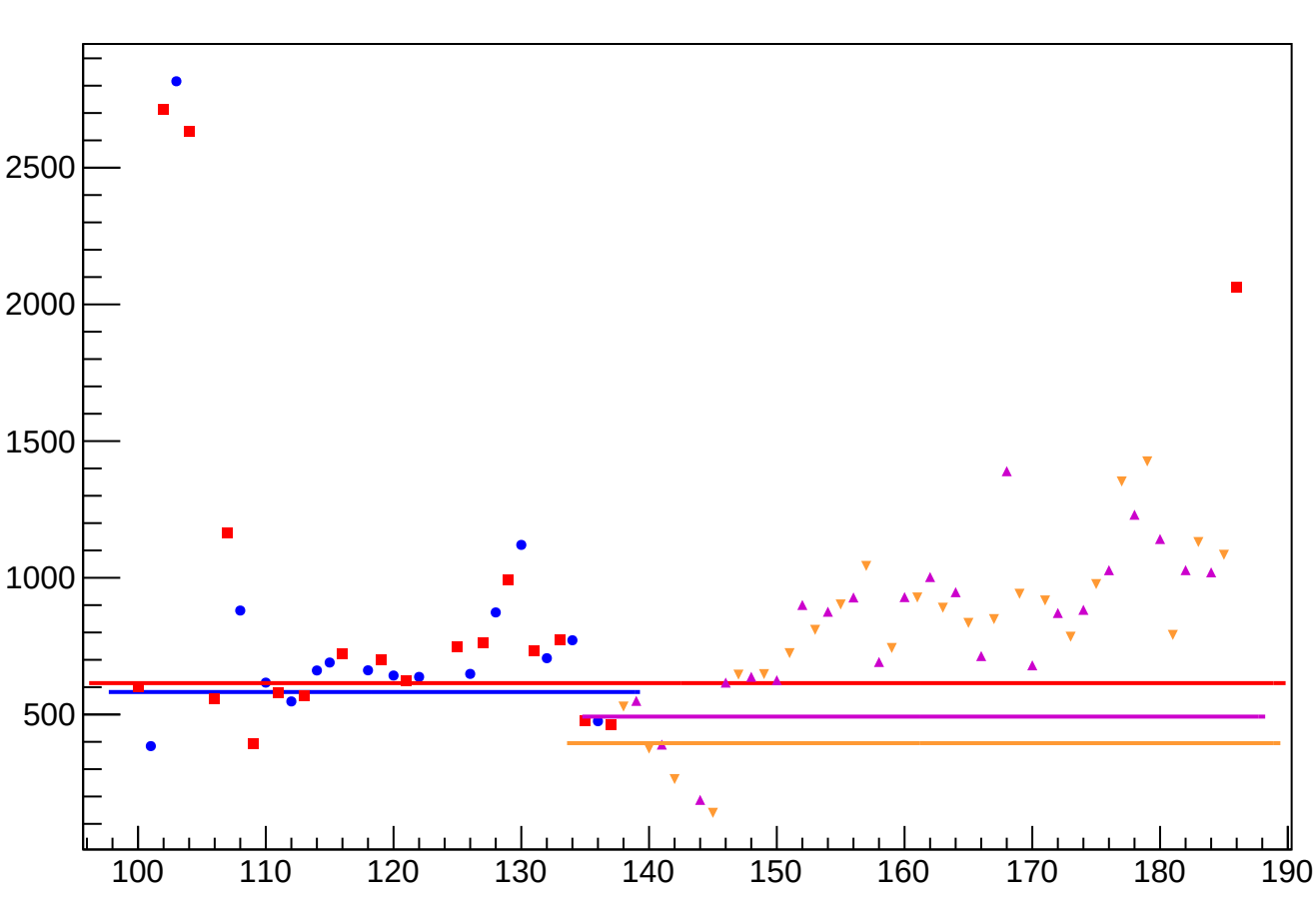
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -29.225+/-168.420 χ^2/NDF: 35.8/34

In: 118.184+/-118.025 χ^2/NDF:30.6/38

Out: -20.476+/-107.303 χ^2/NDF:40.9/42

All: 42.271+/-79.395 χ^2/NDF: 72.3/81



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 614.806+/-0.173 χ^2/NDF: 2601293.4/18

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

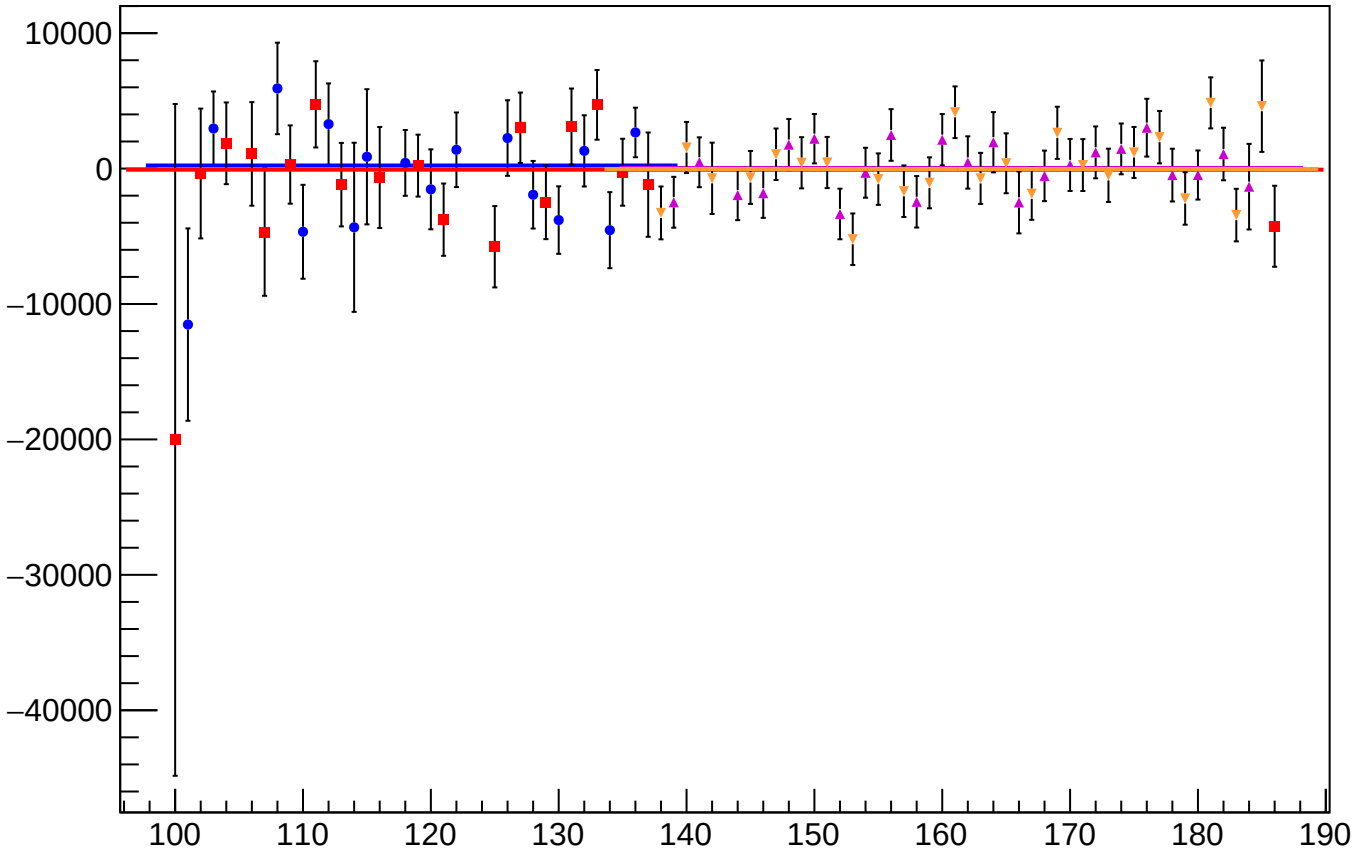
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 597.617+/-0.119 χ^2/NDF: 4374194.1/34

In: 515.638+/-0.083 χ^2/NDF:12397128.5/38

Out: 437.237+/-0.076 χ^2/NDF:18232666.9/42

All: 472.715+/-0.056 χ^2/NDF: 31112968.3/81



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

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

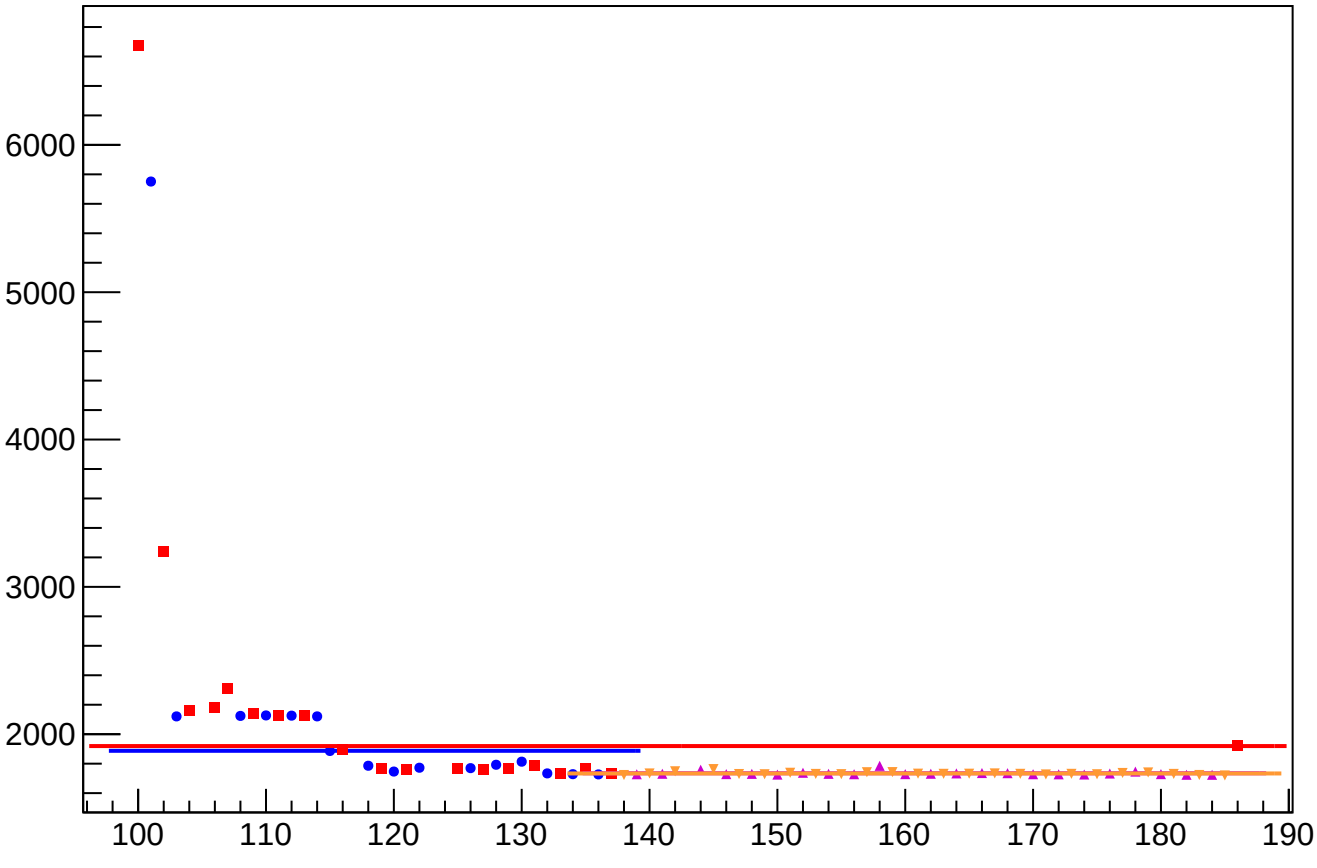
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 69.141+/-503.355 χ^2/NDF: 38.6/34

In: 86.777+/-352.852 χ^2/NDF:39.3/38

Out: -42.359+/-349.465 χ^2/NDF:54.5/42

All: 21.586+/-248.298 χ^2/NDF: 93.9/81



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

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

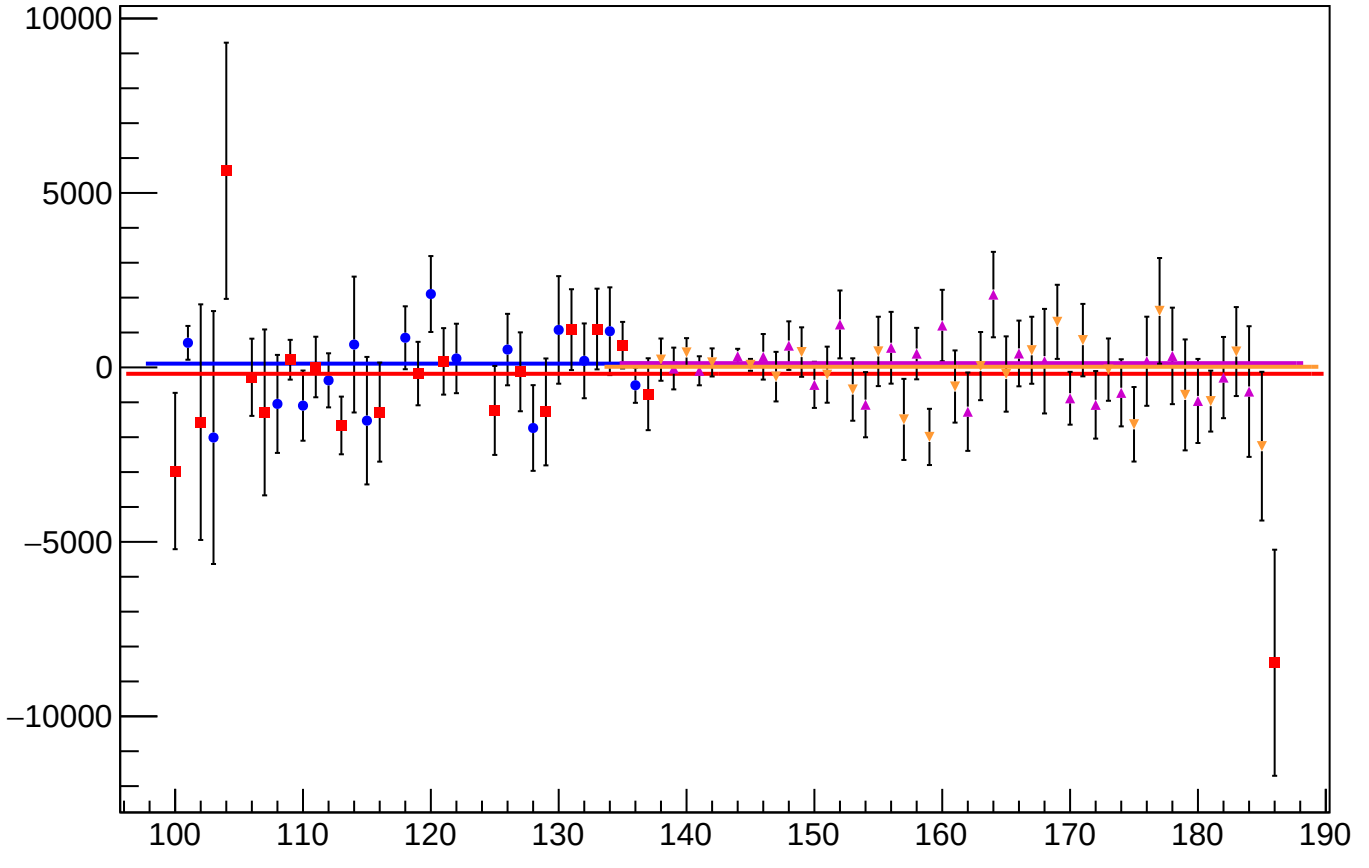
Right: 1903.676+/-0.356 χ^2/NDF: 1044051.2/34

In: 1771.583+/-0.250 χ^2/NDF:759979.7/38

Out: 1779.130+/-0.247 χ^2/NDF:458374.4/42

All: 1775.393+/-0.176 χ^2/NDF: 1218816.0/81

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 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

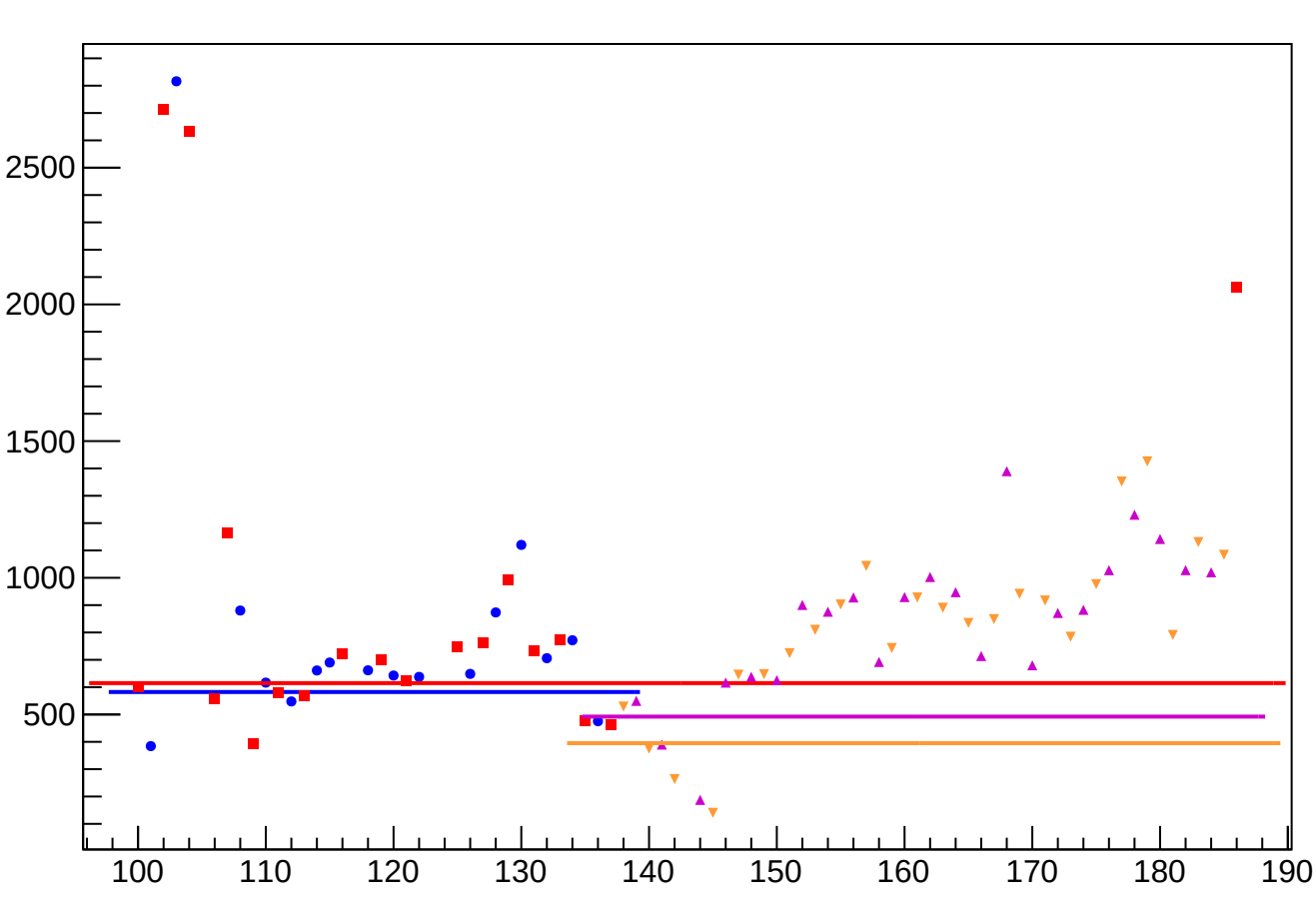
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: -29.226+/-168.419 χ^2/NDF: 35.8/34

In: 118.183+/-118.025 χ^2/NDF:30.6/38

Out: -20.478+/-107.303 χ^2/NDF:40.9/42

All: 42.270+/-79.395 χ^2/NDF: 72.3/81



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

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

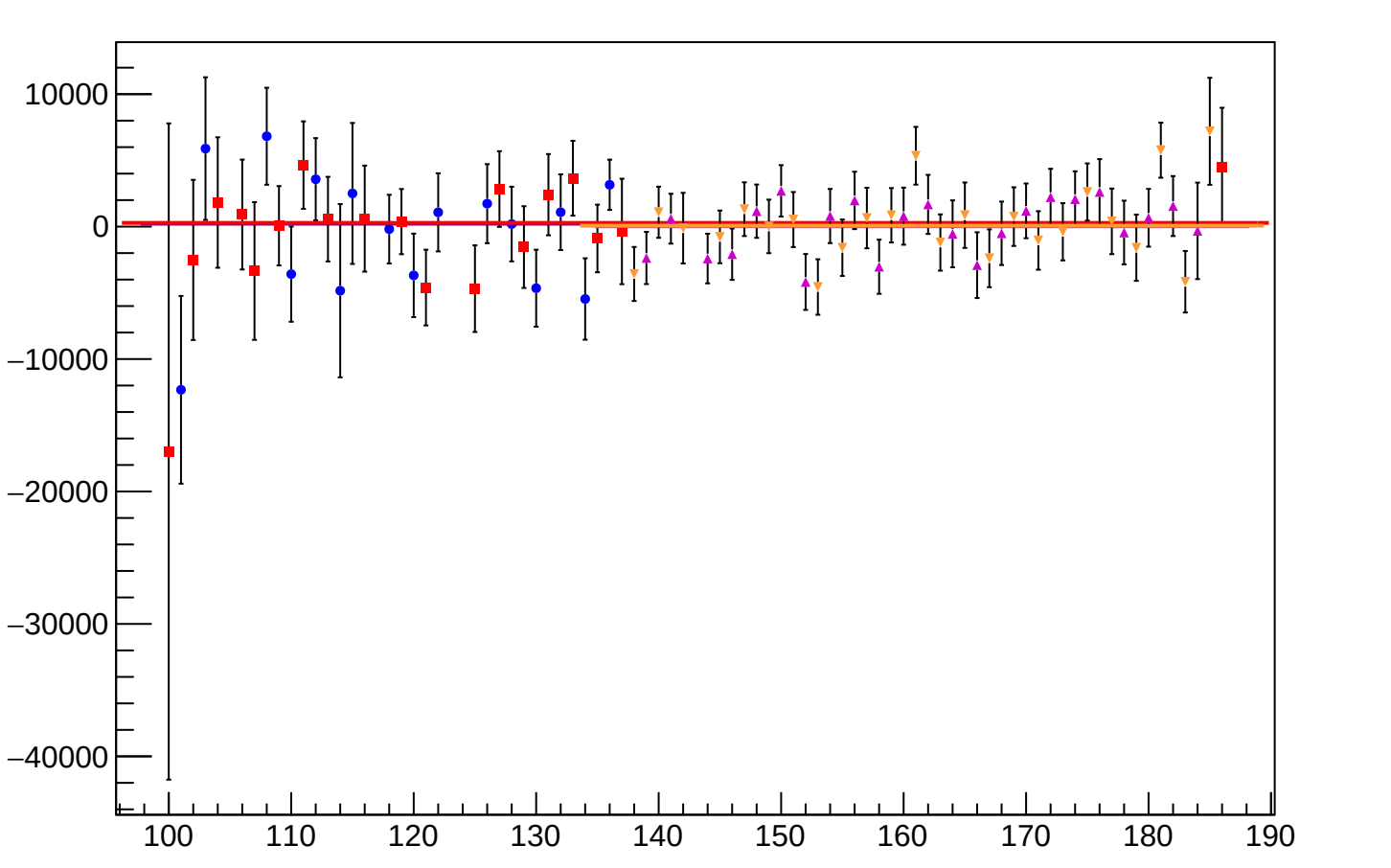
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 597.614+/-0.119 χ^2/NDF: 4374196.7/34

In: 515.639+/-0.083 χ^2/NDF:12397129.6/38

Out: 437.236+/-0.076 χ^2/NDF:18232694.4/42

All: 472.715+/-0.056 χ^2/NDF: 31113003.0/81



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 279.231+/-782.055 χ^2/NDF: 12.5/18

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

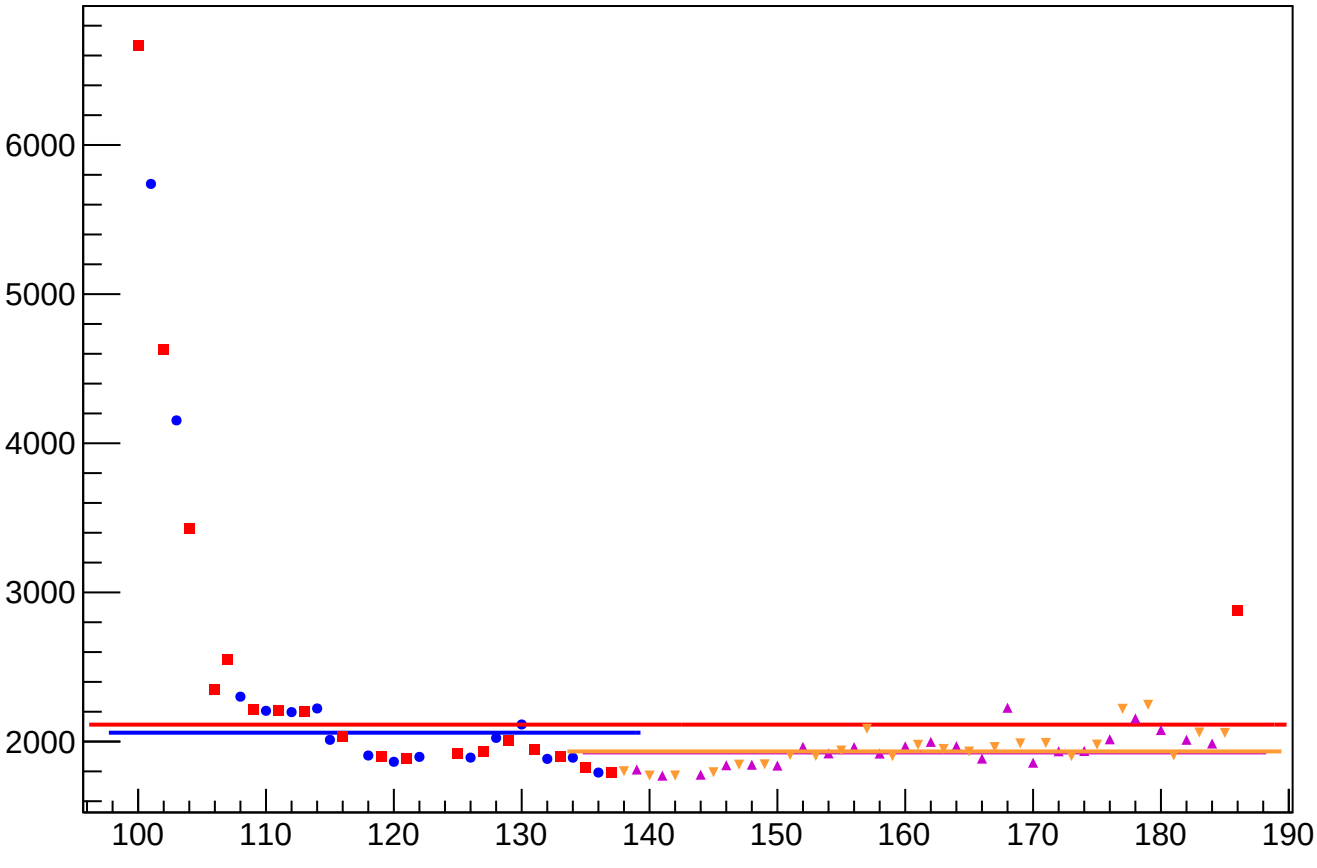
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 252.211+/-556.367 χ^2/NDF: 33.6/34

In: 74.280+/-391.712 χ^2/NDF:41.2/38

Out: 119.491+/-389.877 χ^2/NDF:46.1/42

All: 96.992+/-276.331 χ^2/NDF: 87.3/81



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

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

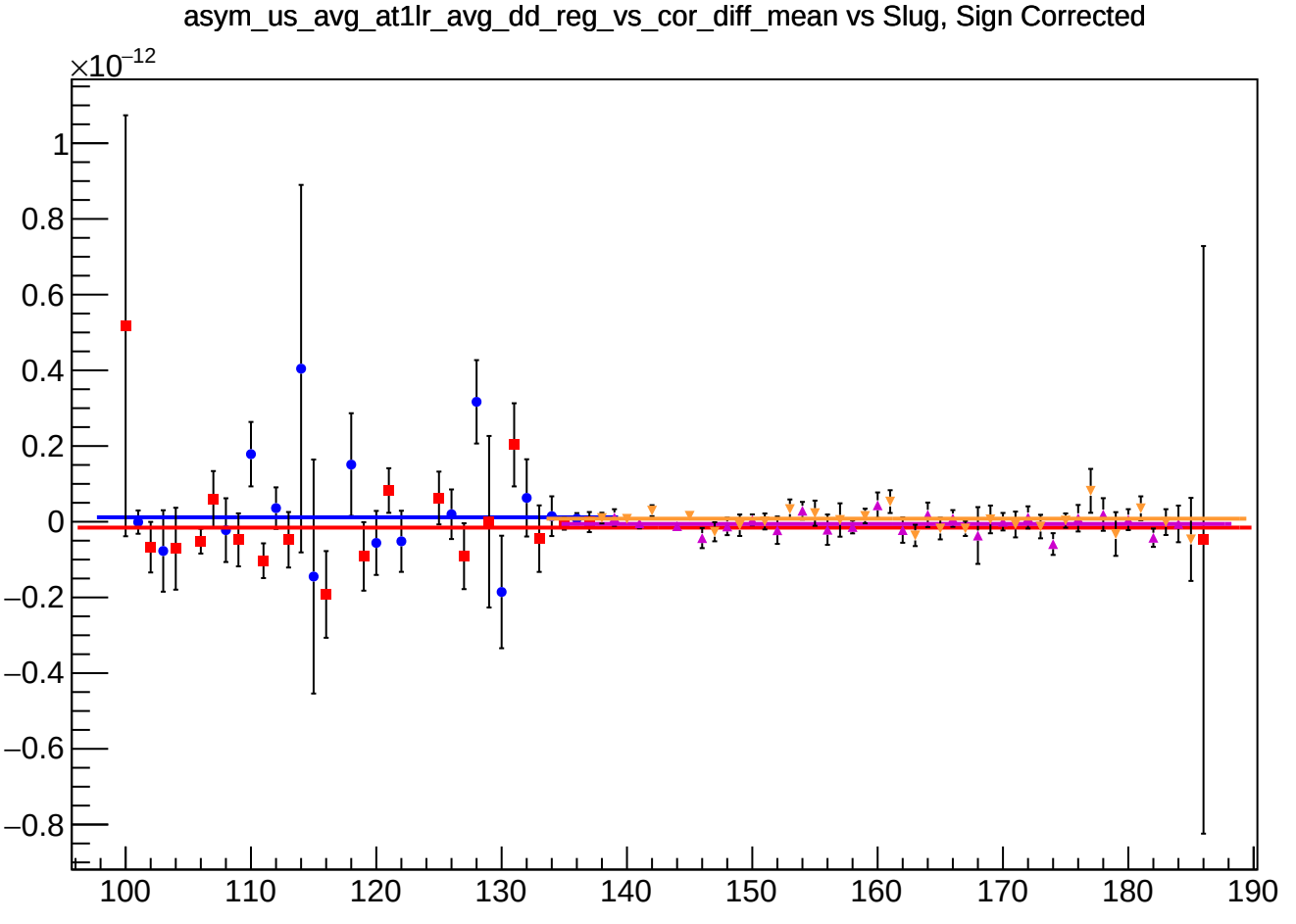
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

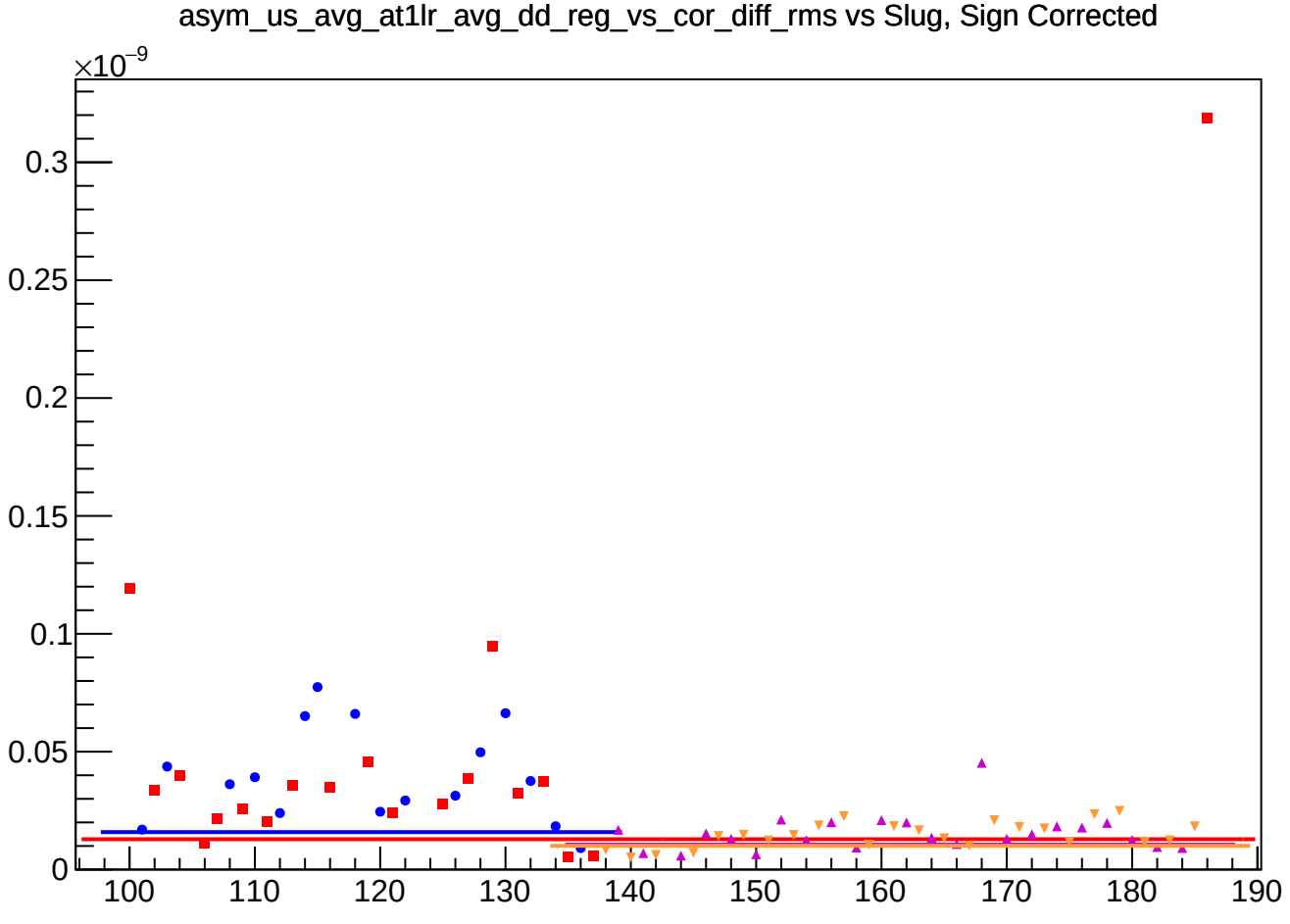
Right: 2086.815+/-0.393 χ^2/NDF: 1686304.8/34

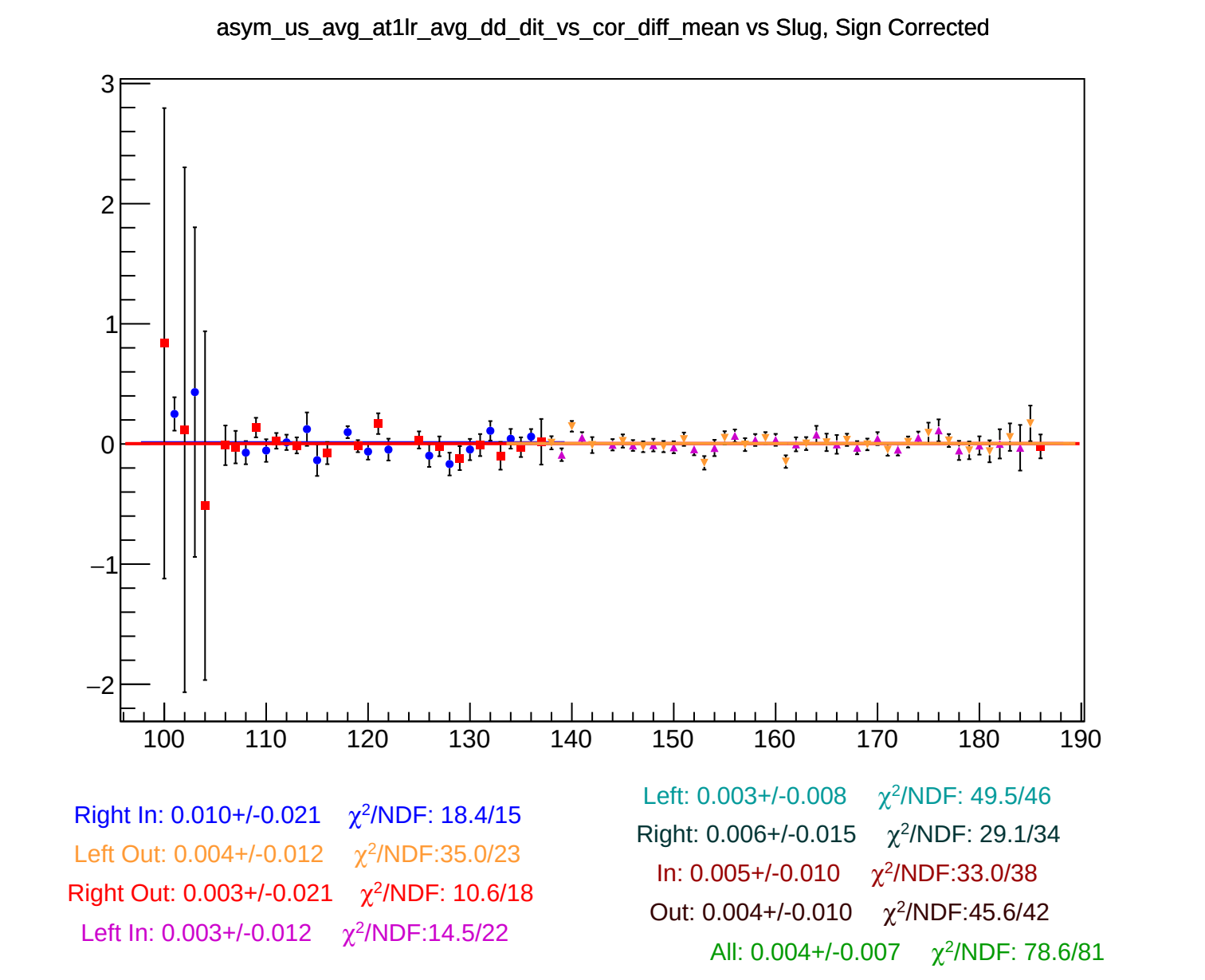
In: 1959.531+/-0.277 χ^2/NDF:1098535.0/38

Out: 1978.458+/-0.276 χ^2/NDF:949583.2/42

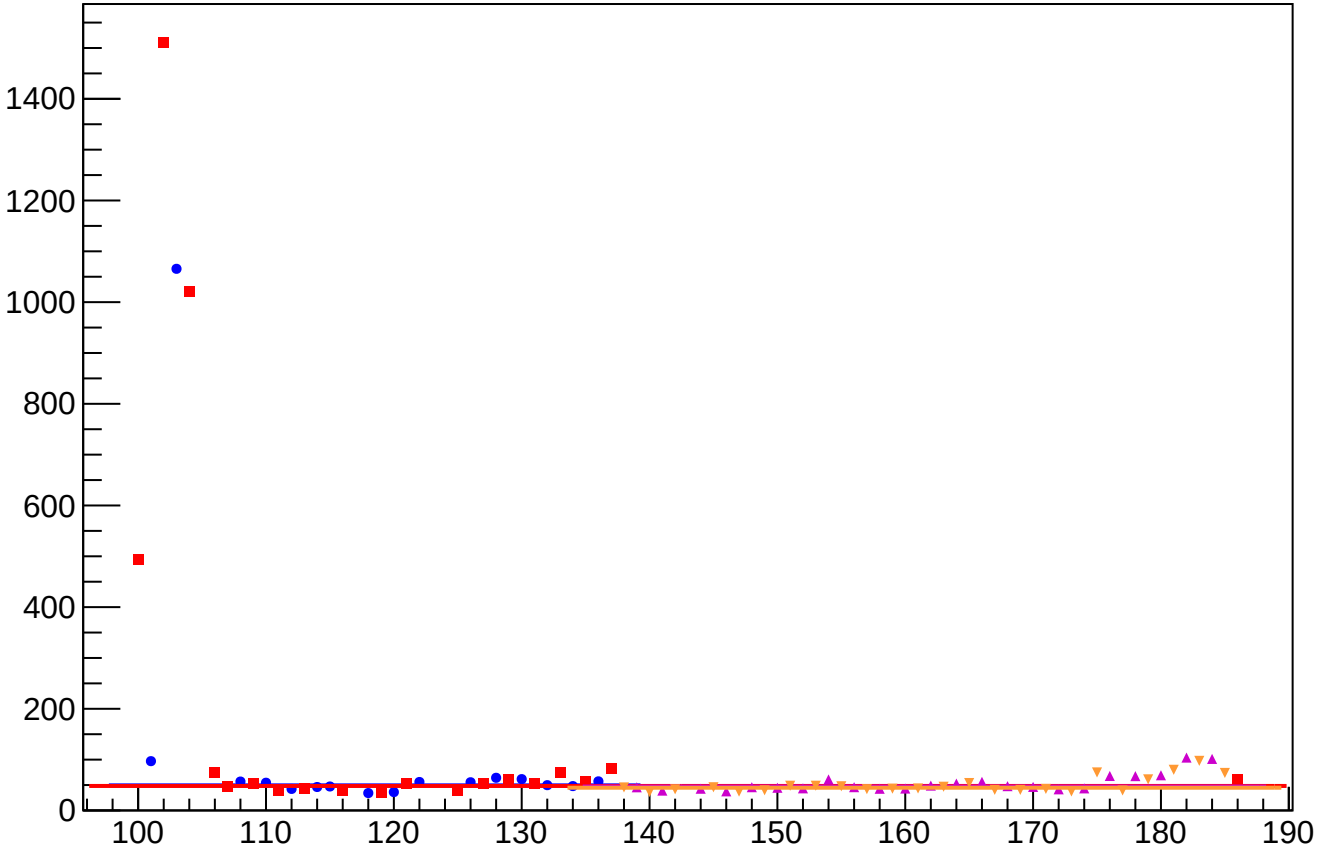
All: 1969.039+/-0.195 χ^2/NDF: 2050463.6/81


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: 18.0/15
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: 41.8/34
In: -0.000+/-0.000 χ²/NDF:36.8/38
Out: 0.000+/-0.000 χ²/NDF:42.2/42
All: 0.000+/-0.000 χ²/NDF: 80.9/81


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: 1935582.9/15
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: 4806740.9/34
In: 0.000+/-0.000 χ²/NDF:4879160.0/38
Out: 0.000+/-0.000 χ²/NDF:5187947.2/42
All: 0.000+/-0.000 χ²/NDF: 10105207.0/81


asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.021 χ²/NDF: 18.4/15
Left Out: 0.004+/-0.012 χ²/NDF:35.0/23
Right Out: 0.003+/-0.021 χ²/NDF: 10.6/18
Left In: 0.003+/-0.012 χ²/NDF:14.5/22
Left: 0.003+/-0.008 χ²/NDF: 49.5/46
Right: 0.006+/-0.015 χ²/NDF: 29.1/34
In: 0.005+/-0.010 χ²/NDF:33.0/38
Out: 0.004+/-0.010 χ²/NDF:45.6/42
All: 0.004+/-0.007 χ²/NDF: 78.6/81

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 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

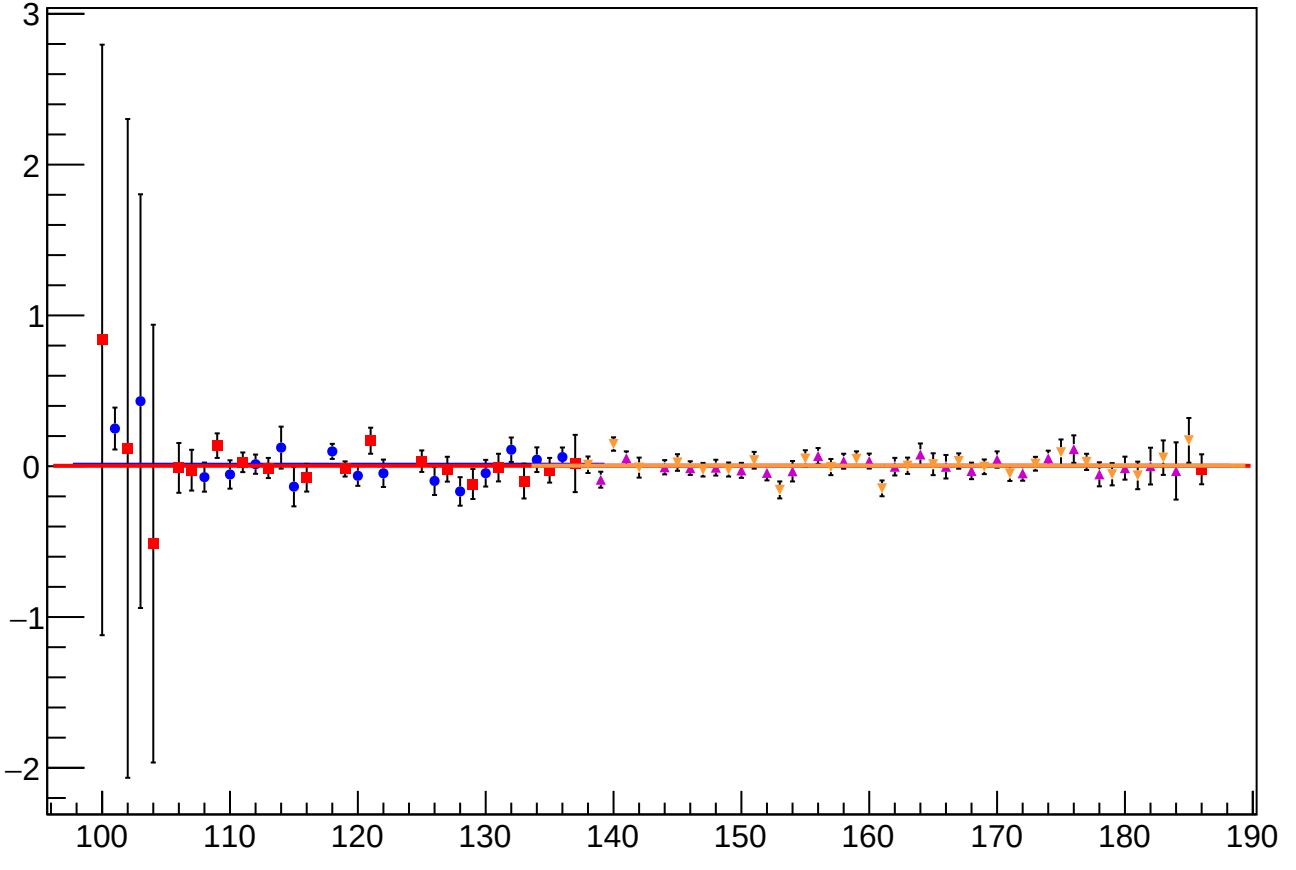
Right: 48.767+/-0.010 χ^2/NDF: 4233048.7/34

In: 47.597+/-0.007 χ^2/NDF:3178231.4/38

Out: 45.533+/-0.007 χ^2/NDF:3976458.7/42

All: 46.536+/-0.005 χ^2/NDF: 7195339.0/81

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-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

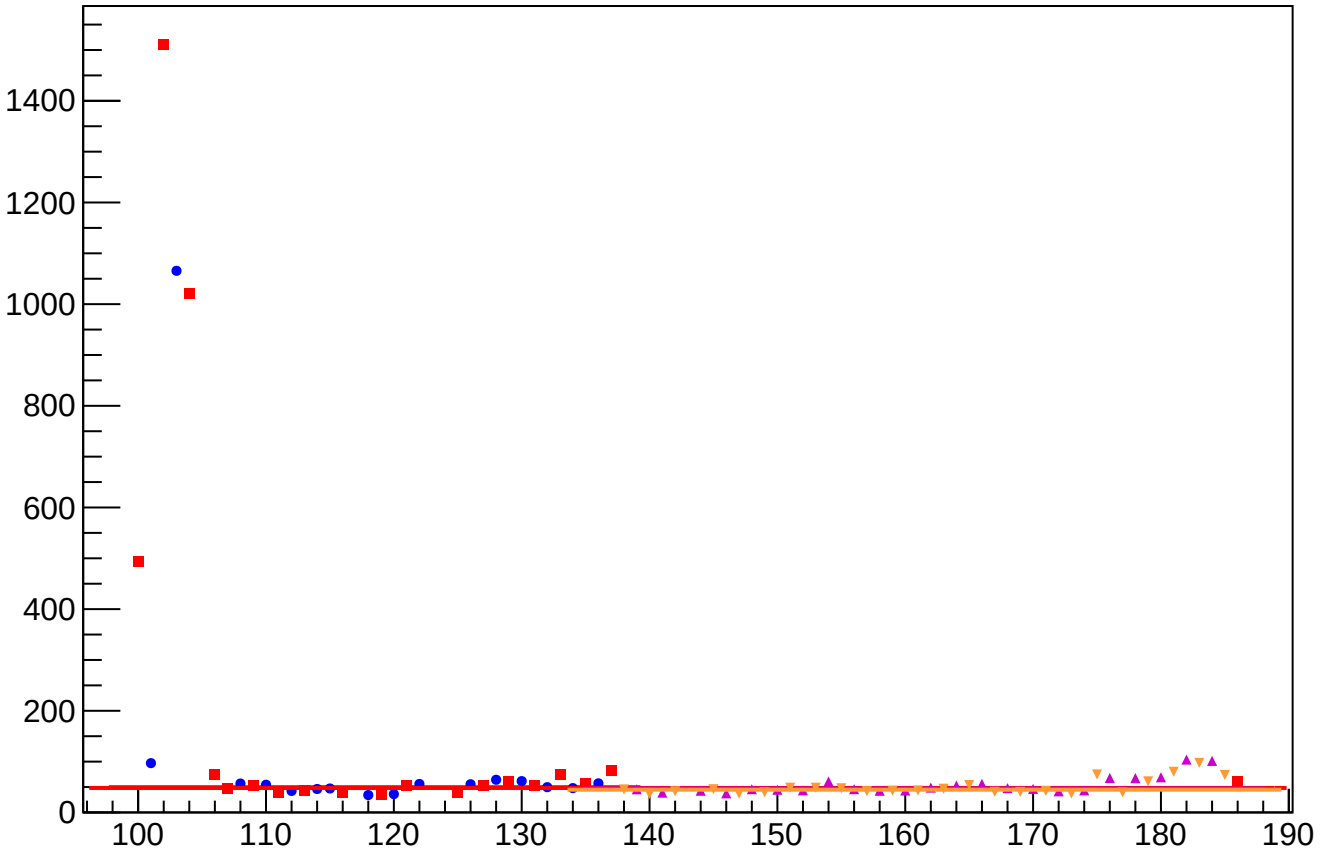
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.006+/-0.015 χ^2/NDF: 29.1/34

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.6/81



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

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

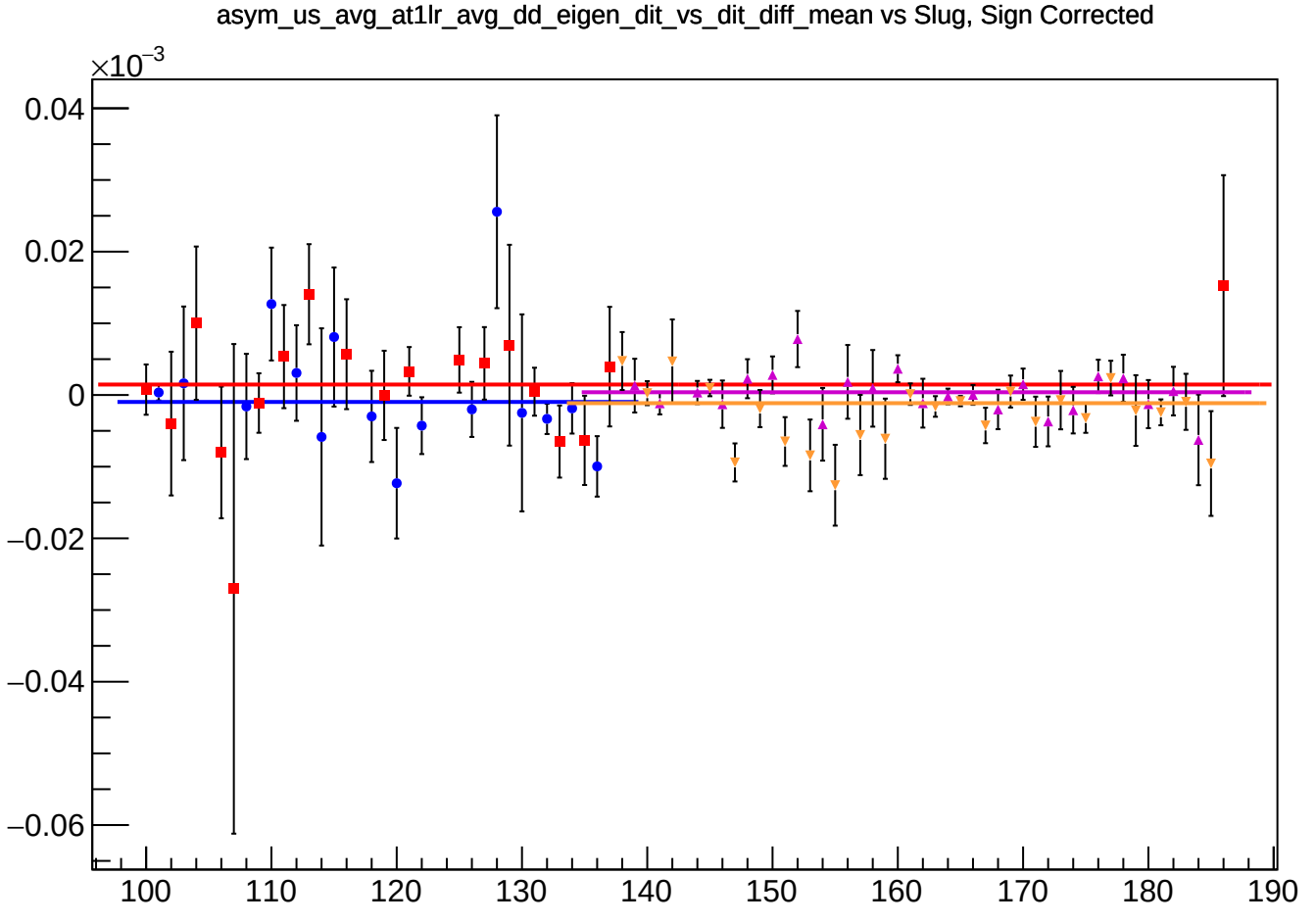
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 48.767+/-0.010 χ^2/NDF: 4233048.7/34

In: 47.597+/-0.007 χ^2/NDF:3178231.4/38

Out: 45.533+/-0.007 χ^2/NDF:3976458.7/42

All: 46.536+/-0.005 χ^2/NDF: 7195339.0/81



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

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

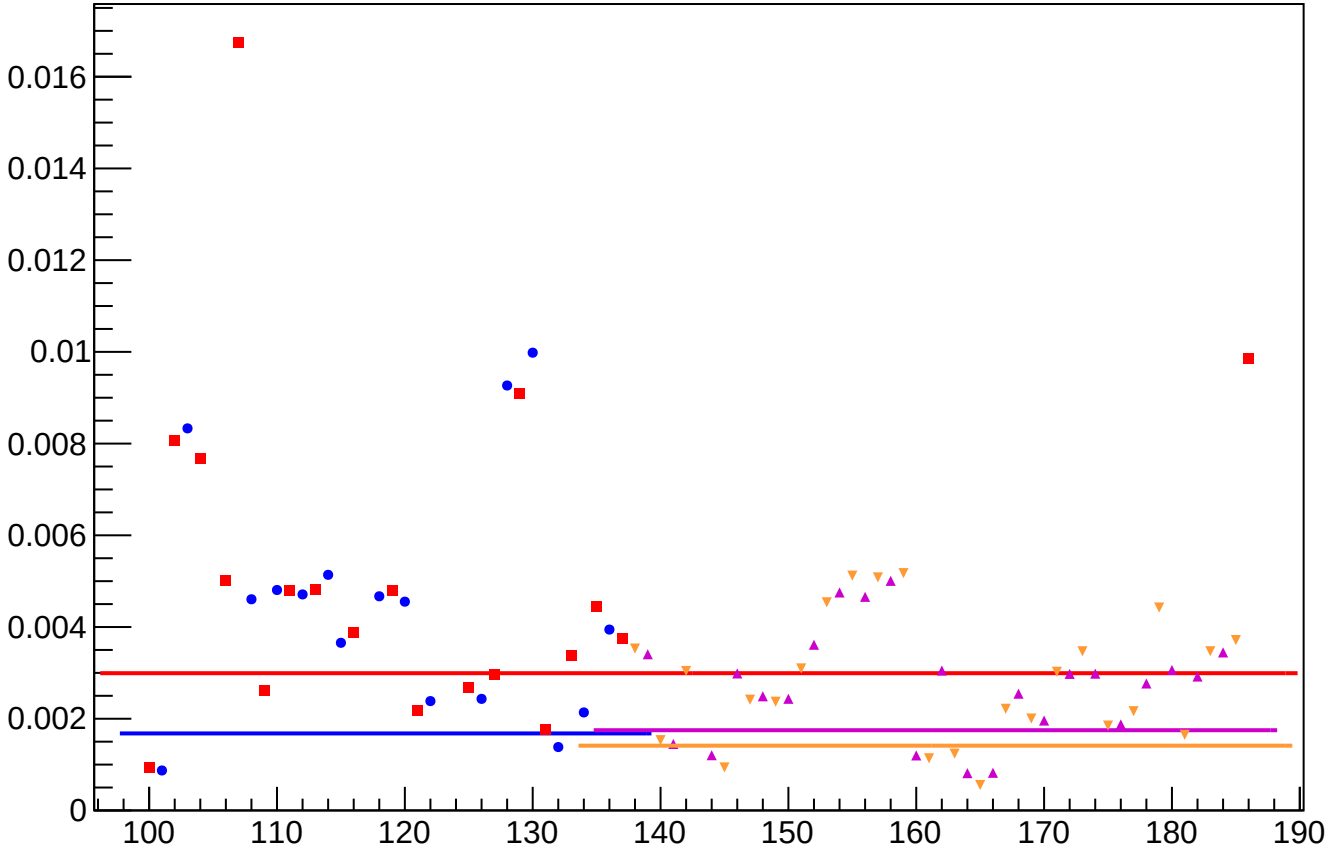
Right: -0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:37.0/38

Out: -0.000+/-0.000 χ^2/NDF:52.9/42

All: -0.000+/-0.000 χ^2/NDF: 92.5/81

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-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

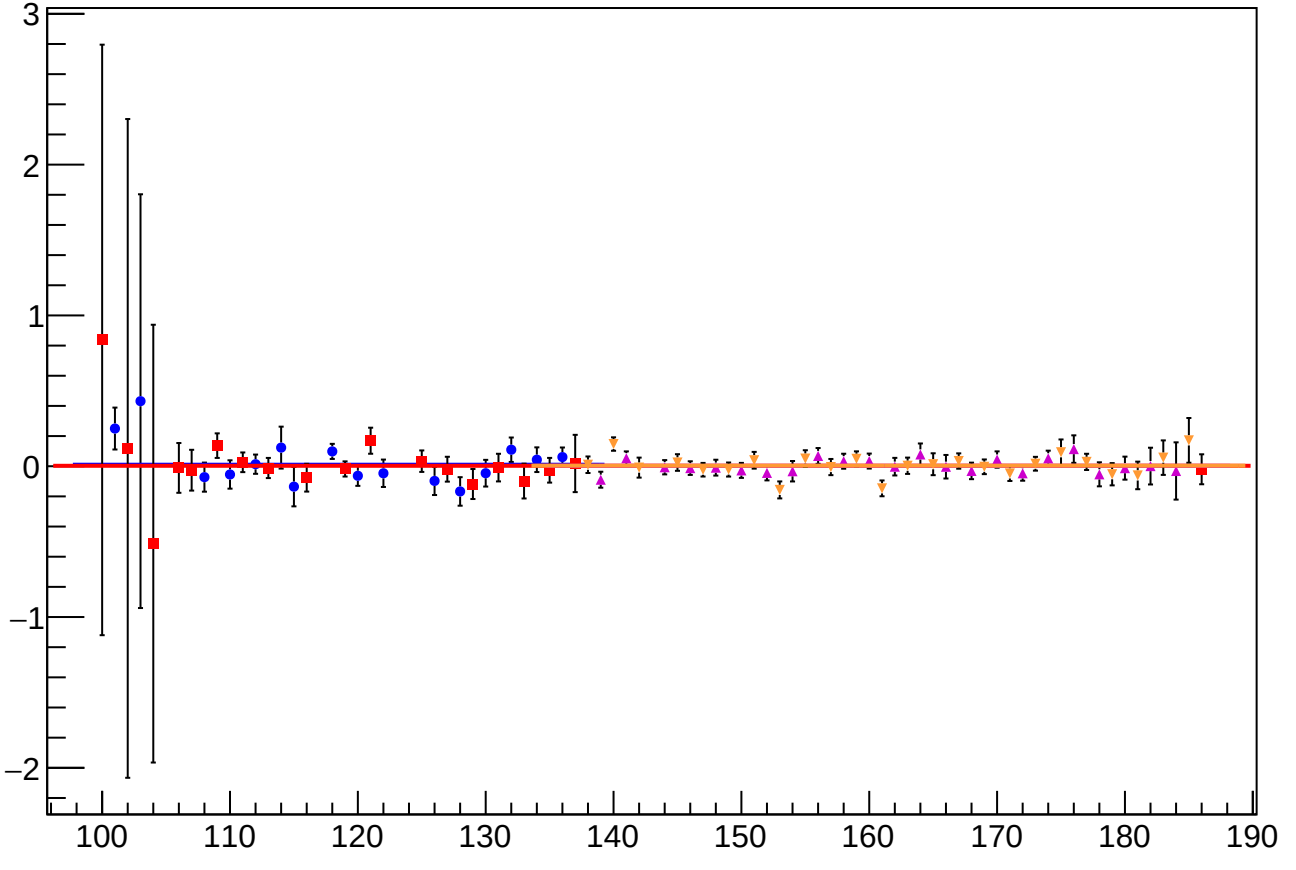
Right: 0.002+/-0.000 χ^2/NDF: 11213195.3/34

In: 0.002+/-0.000 χ^2/NDF:14209691.1/38

Out: 0.002+/-0.000 χ^2/NDF:18111190.6/42

All: 0.002+/-0.000 χ^2/NDF: 32501452.4/81

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-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

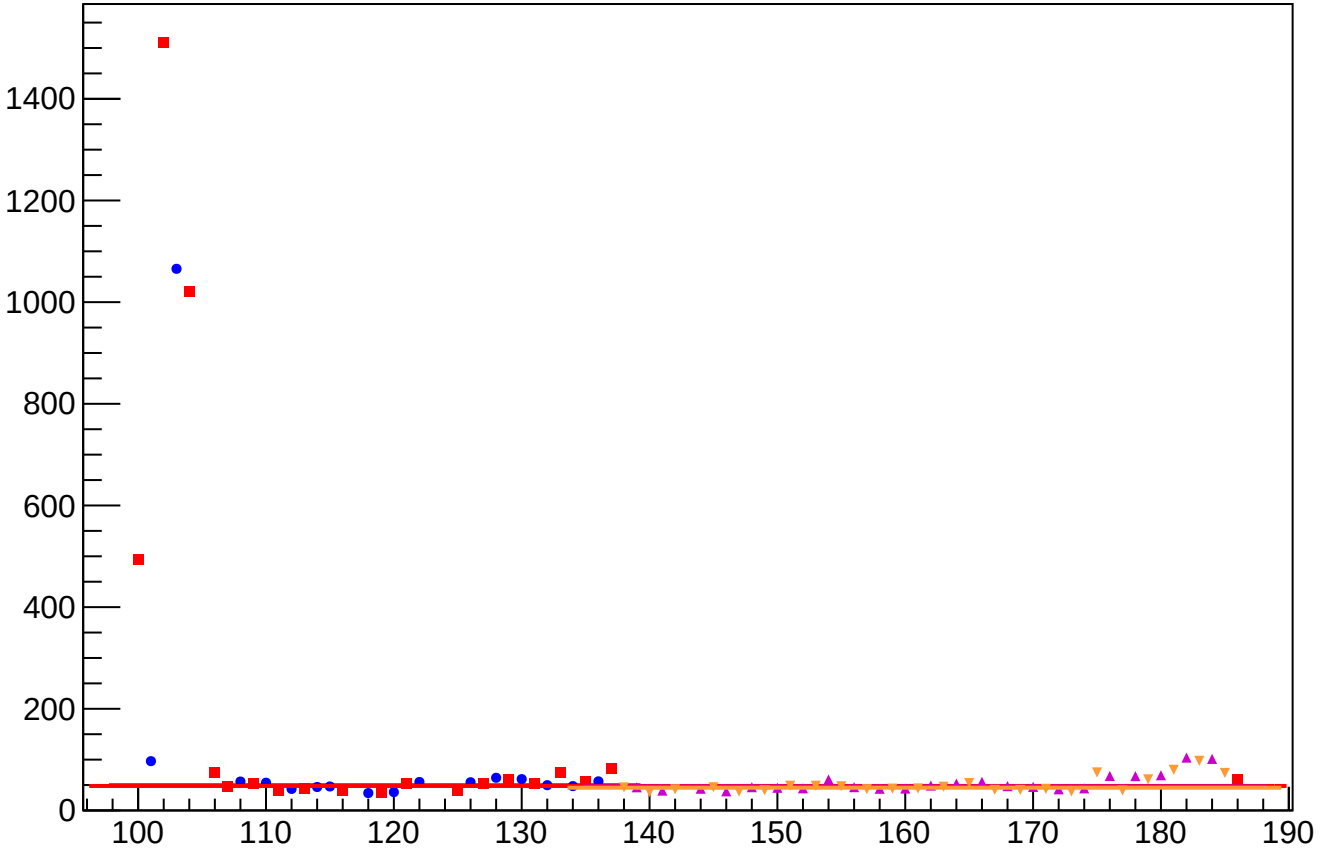
Right: 0.006+/-0.015 χ^2/NDF: 29.1/34

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.6/81

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 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

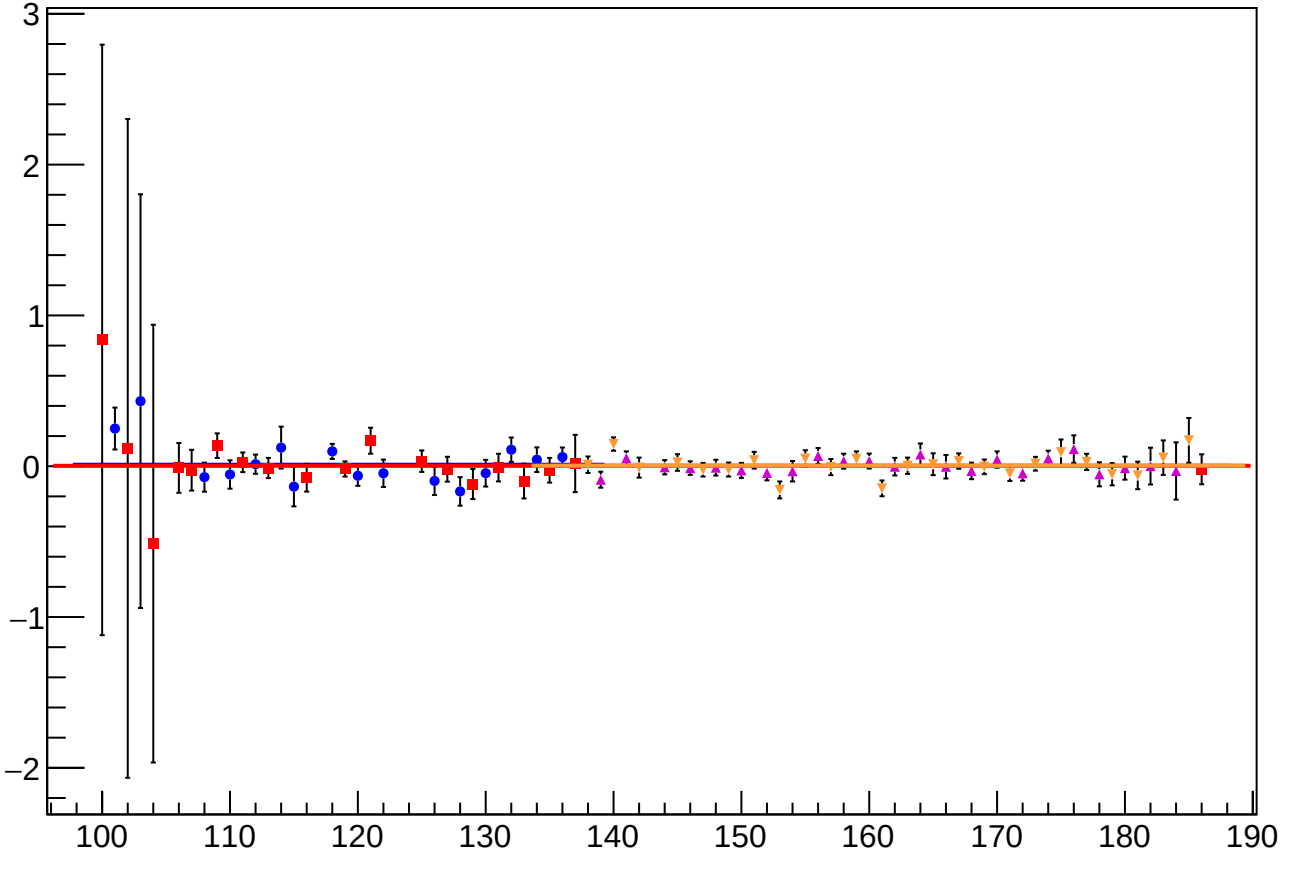
Right: 48.767+/-0.010 χ^2/NDF: 4233017.8/34

In: 47.596+/-0.007 χ^2/NDF:3178240.4/38

Out: 45.533+/-0.007 χ^2/NDF:3976468.8/42

All: 46.536+/-0.005 χ^2/NDF: 7195356.5/81

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.004+/-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

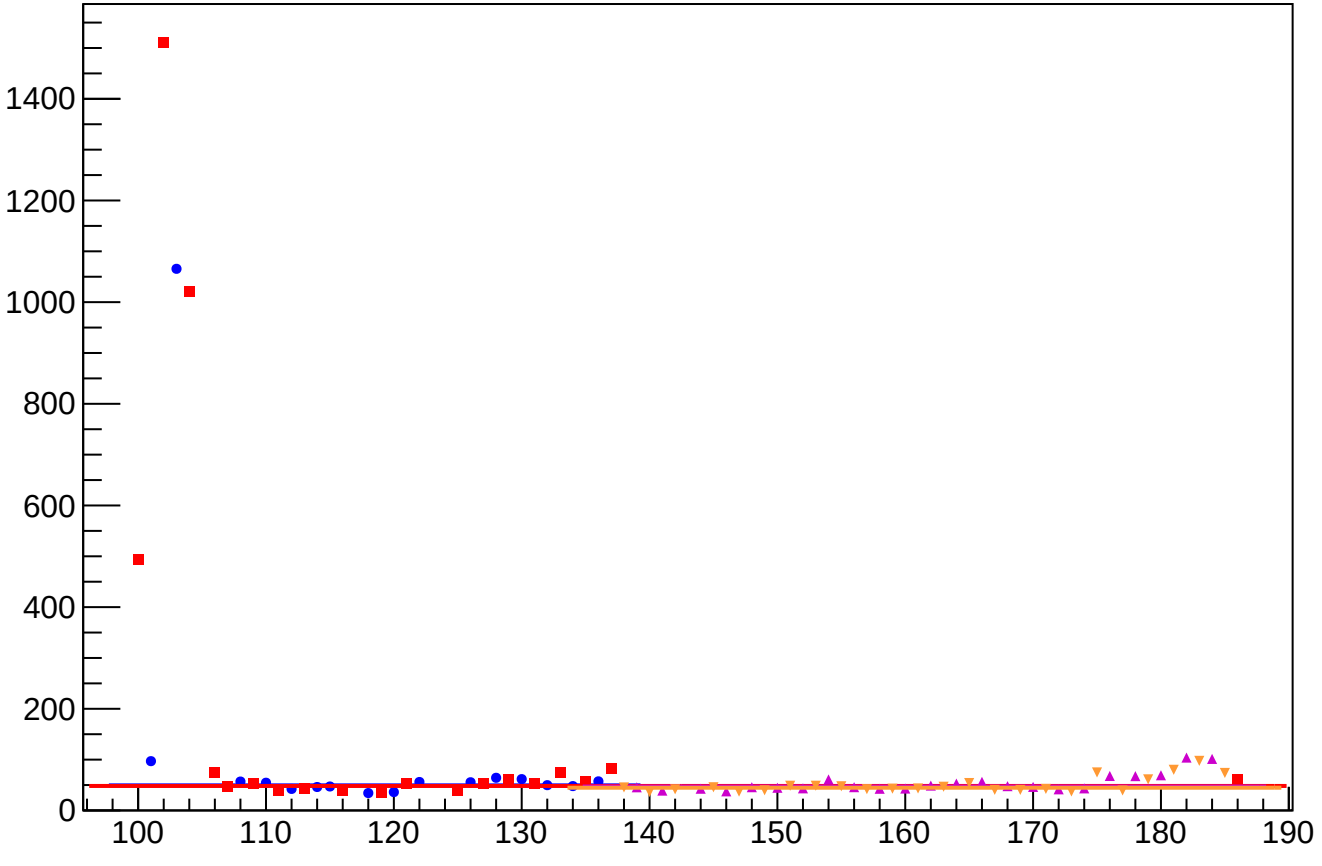
Right: 0.006+/-0.015 χ^2/NDF: 29.1/34

In: 0.005+/-0.010 χ^2/NDF:33.0/38

Out: 0.004+/-0.010 χ^2/NDF:45.6/42

All: 0.004+/-0.007 χ^2/NDF: 78.6/81

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 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

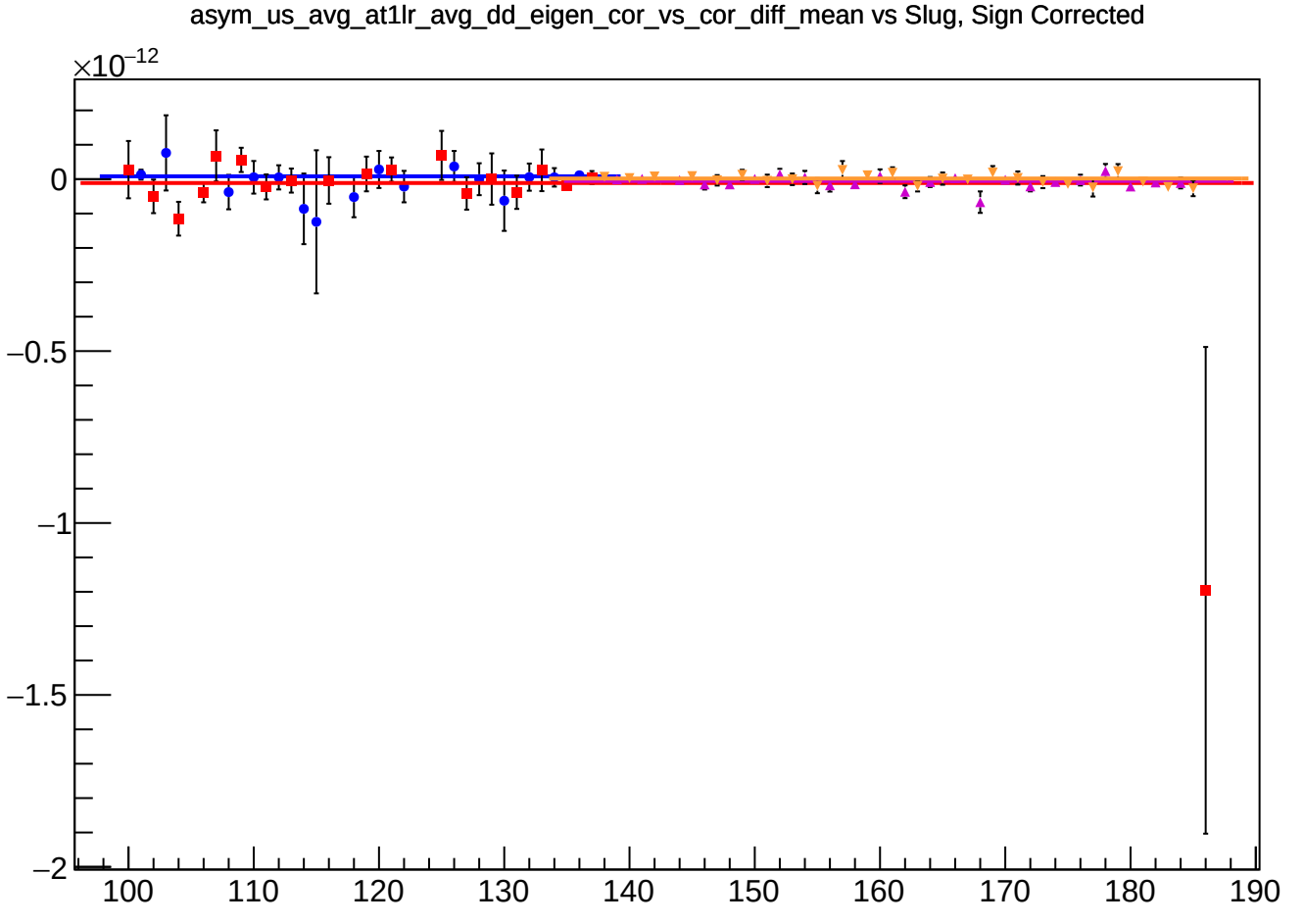
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 48.767+/-0.010 χ^2/NDF: 4233017.8/34

In: 47.596+/-0.007 χ^2/NDF:3178240.4/38

Out: 45.533+/-0.007 χ^2/NDF:3976468.8/42

All: 46.536+/-0.005 χ^2/NDF: 7195356.5/81



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

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

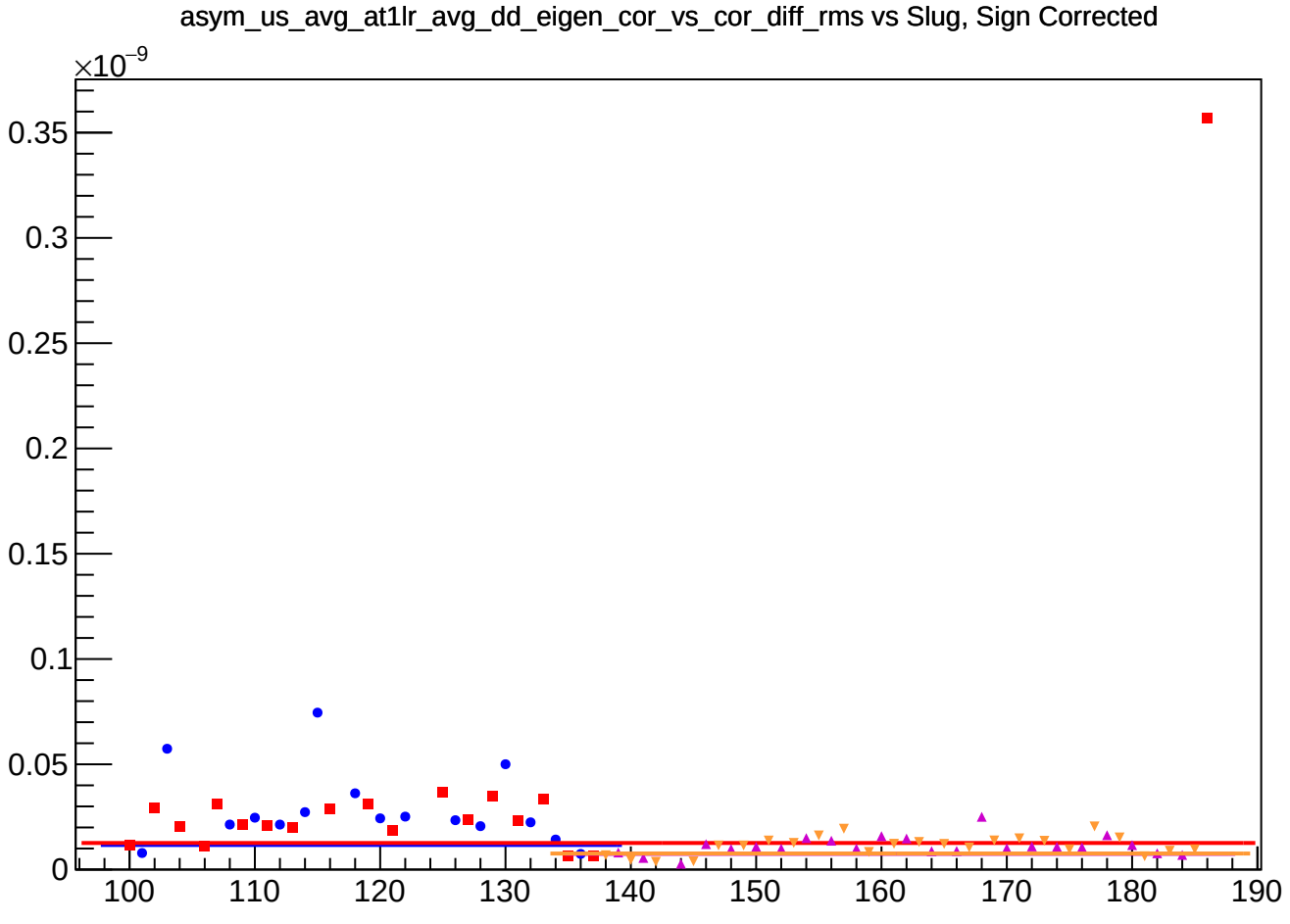
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

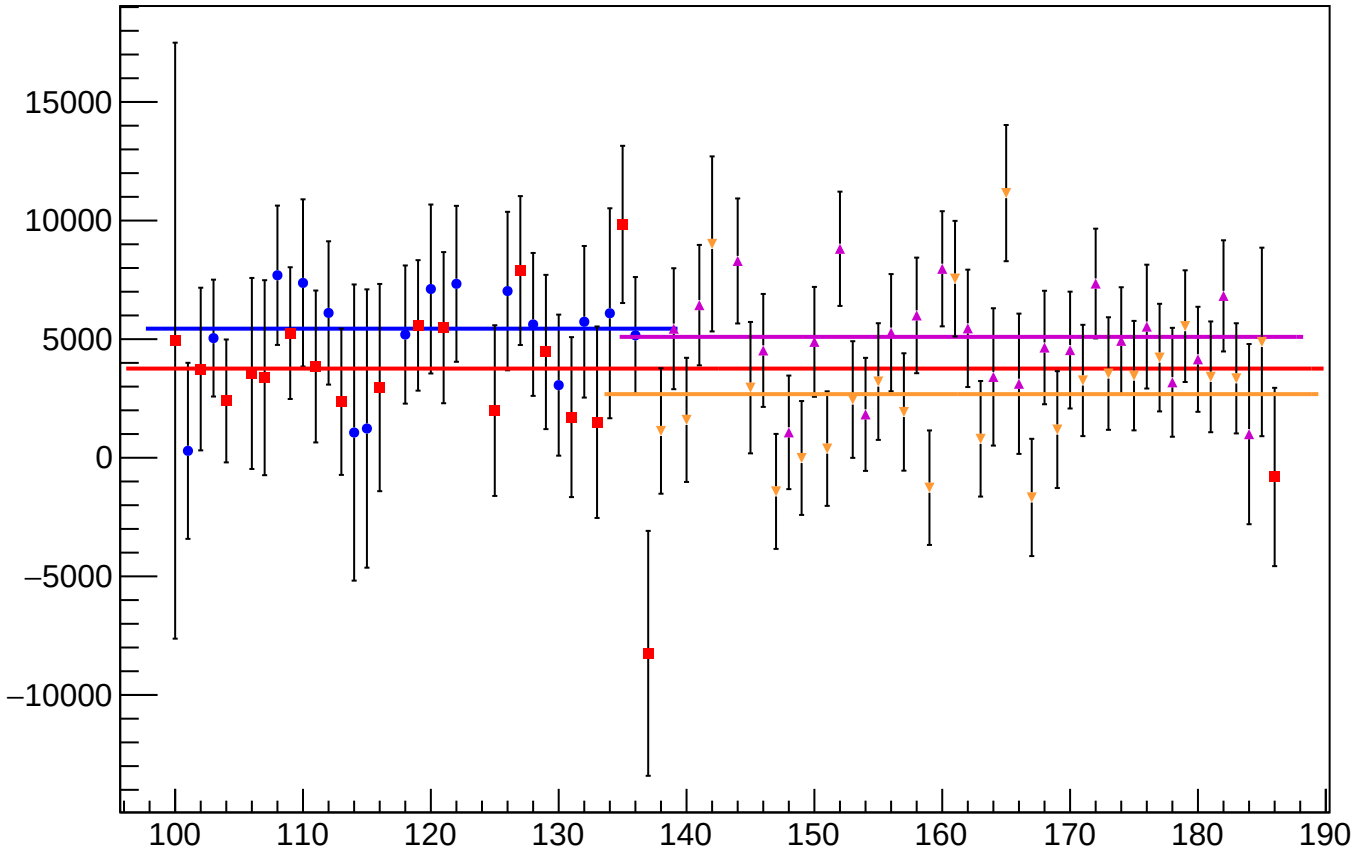
Right: -0.000+/-0.000 χ^2/NDF: 28.3/34

In: -0.000+/-0.000 χ^2/NDF:26.9/38

Out: 0.000+/-0.000 χ^2/NDF:42.5/42

All: -0.000+/-0.000 χ^2/NDF: 71.1/81


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: 2905247.5/15
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: 6321213.5/34
In: 0.000+/-0.000 χ²/NDF:9590729.1/38
Out: 0.000+/-0.000 χ²/NDF:9830754.5/42
All: 0.000+/-0.000 χ²/NDF: 19427650.0/81



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3759.974+/-790.909 χ^2/NDF: 14.5/18

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

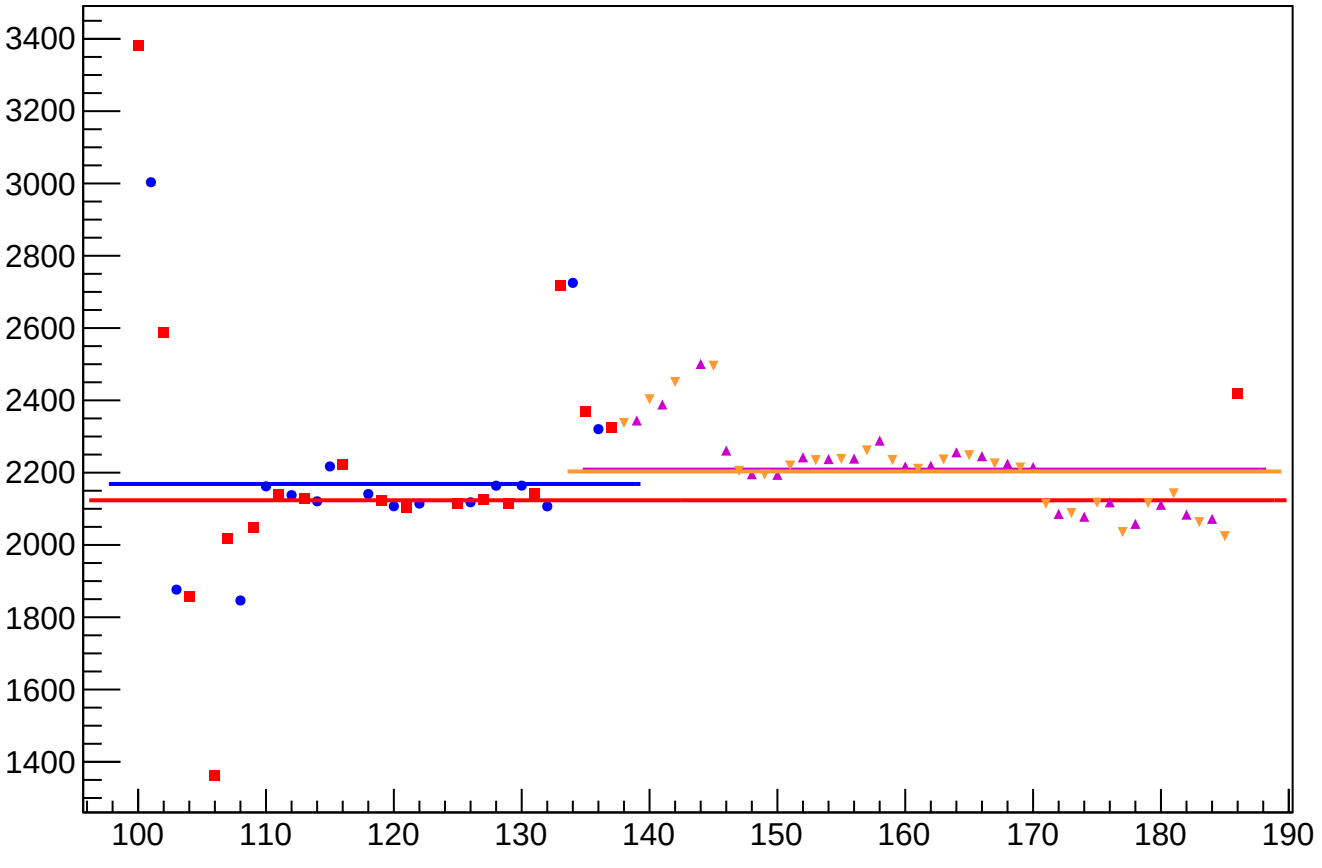
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

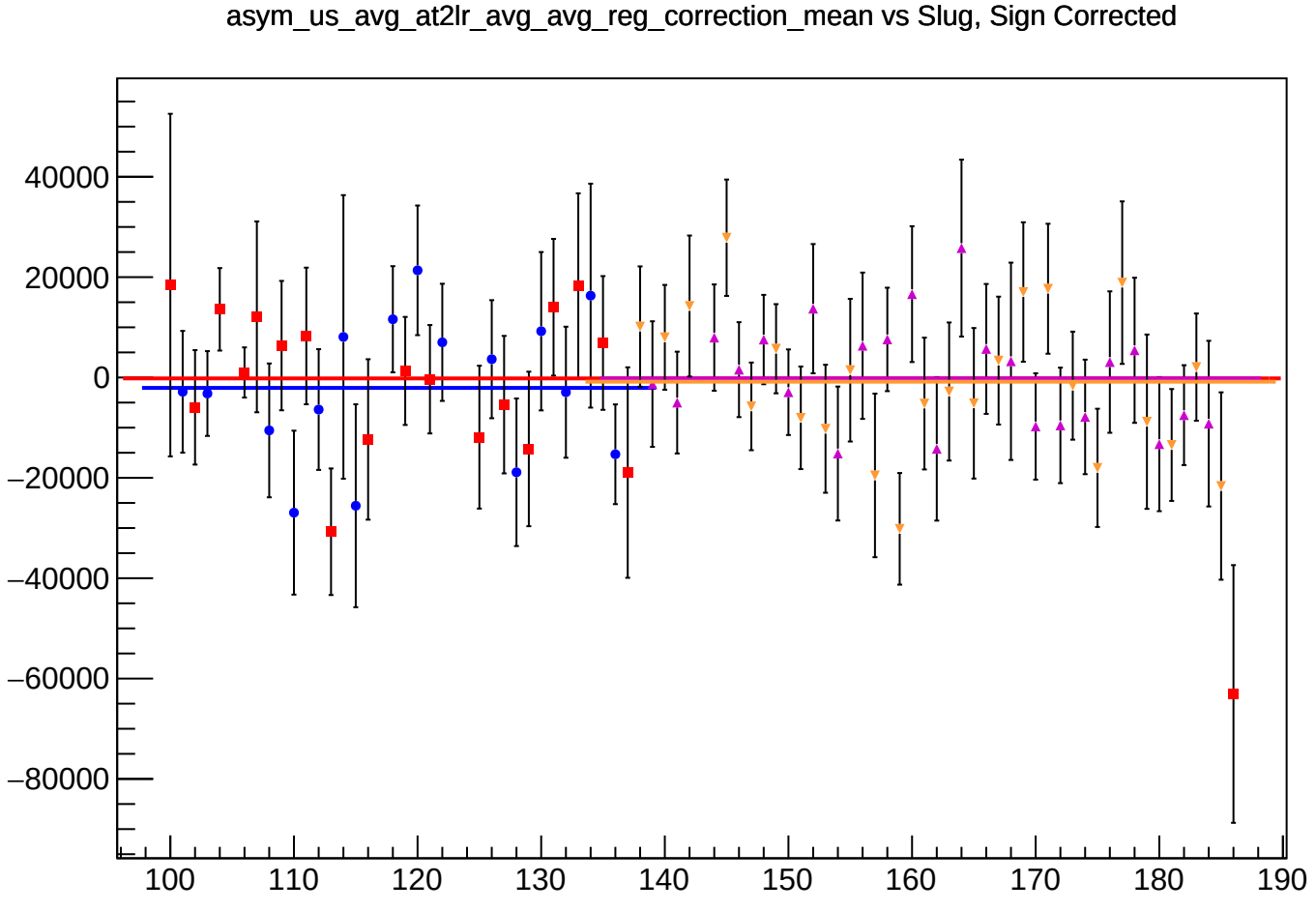
Right: 4578.470+/-566.748 χ^2/NDF: 22.1/34

In: 5195.901+/-435.728 χ^2/NDF:20.4/38

Out: 3000.971+/-429.813 χ^2/NDF:46.6/42

All: 4083.439+/-305.994 χ^2/NDF: 79.9/81


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
190
Right In: 2168.715+/-0.575 χ²/NDF: 195659.5/15
Left Out: 2203.297+/-0.362 χ²/NDF:88208.3/23
Right Out: 2123.572+/-0.551 χ²/NDF: 280227.6/18
Left In: 2208.379+/-0.365 χ²/NDF:80994.3/22
Left: 2205.817+/-0.257 χ²/NDF: 169300.4/46
Right: 2145.190+/-0.398 χ²/NDF: 479104.4/34
In: 2196.973+/-0.308 χ²/NDF:280049.1/38
Out: 2179.240+/-0.303 χ²/NDF:383067.2/42
All: 2187.945+/-0.216 χ²/NDF: 664802.7/81



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

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

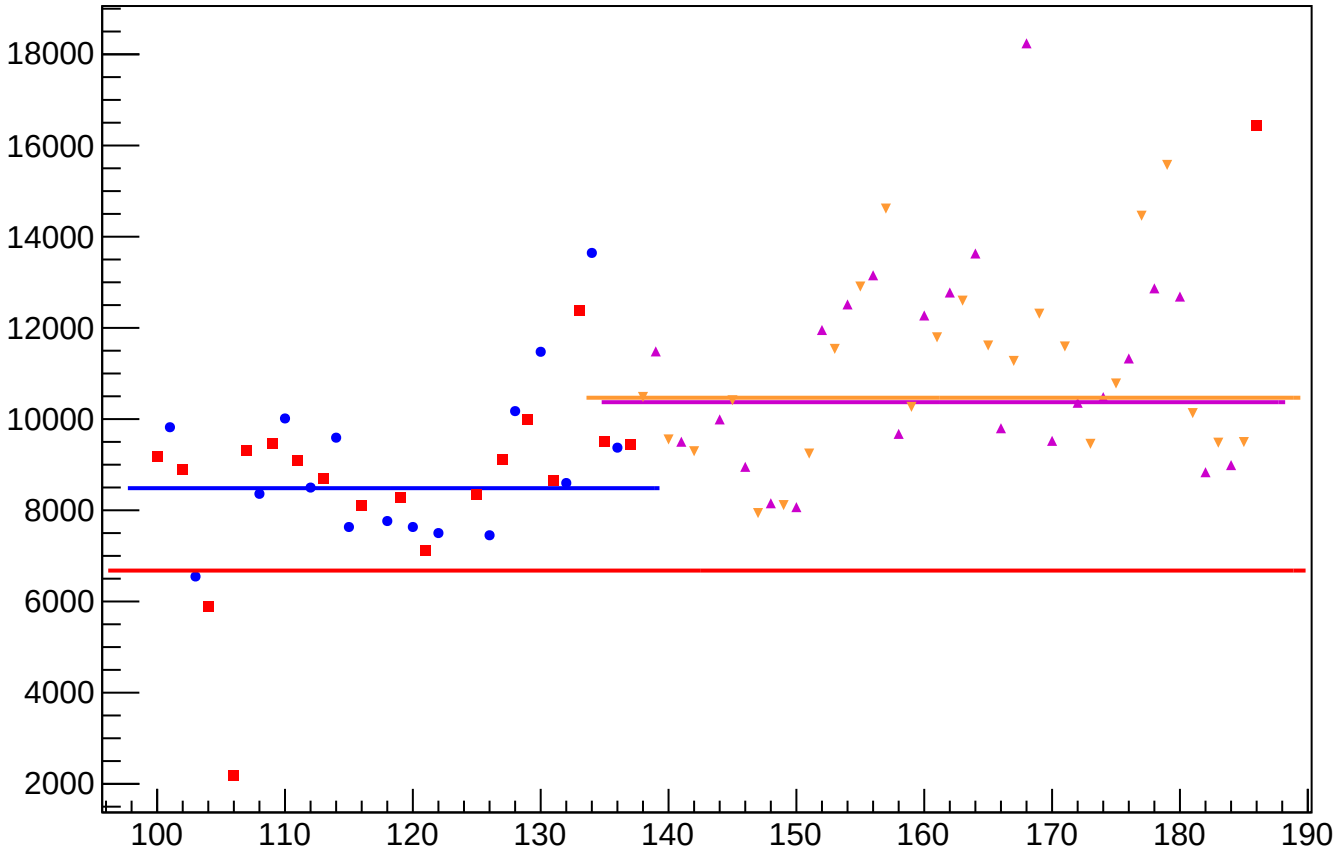
Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

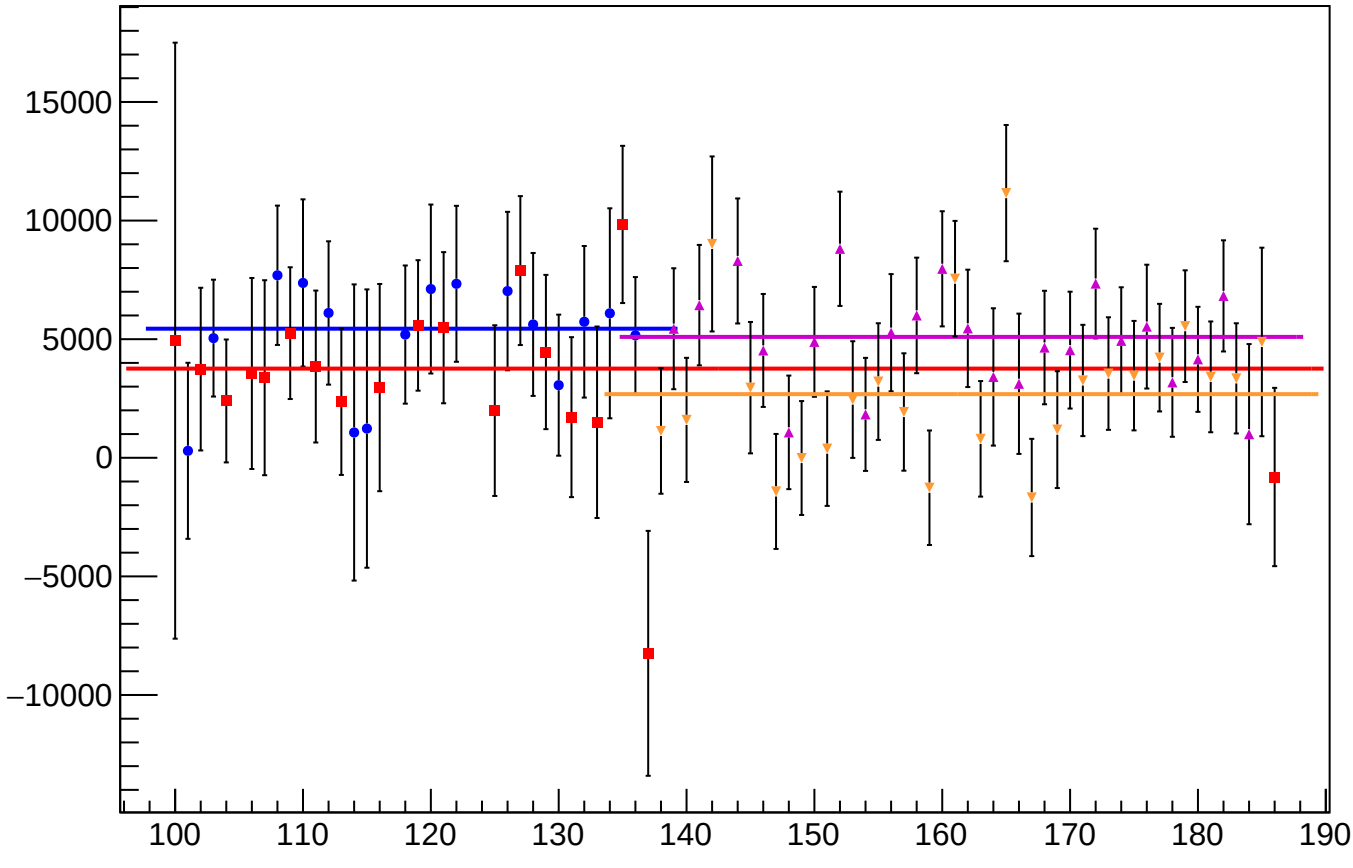
Right: -965.760+/-2067.056 χ^2/NDF: 36.4/34

In: -886.064+/-1958.638 χ^2/NDF:28.4/38

Out: -535.149+/-1827.207 χ^2/NDF:51.2/42

All: -698.438+/-1336.080 χ^2/NDF: 79.7/81


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 6677.927+/-1.910 χ²/NDF: 2861403.1/18
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10419.584+/-1.238 χ²/NDF: 2250574.4/46
Right: 7426.276+/-1.462 χ²/NDF: 3654971.2/34
In: 9669.682+/-1.385 χ²/NDF:2059549.6/38
Out: 8733.264+/-1.292 χ²/NDF:6043345.2/42
All: 9169.003+/-0.945 χ²/NDF: 8347323.2/81



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

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

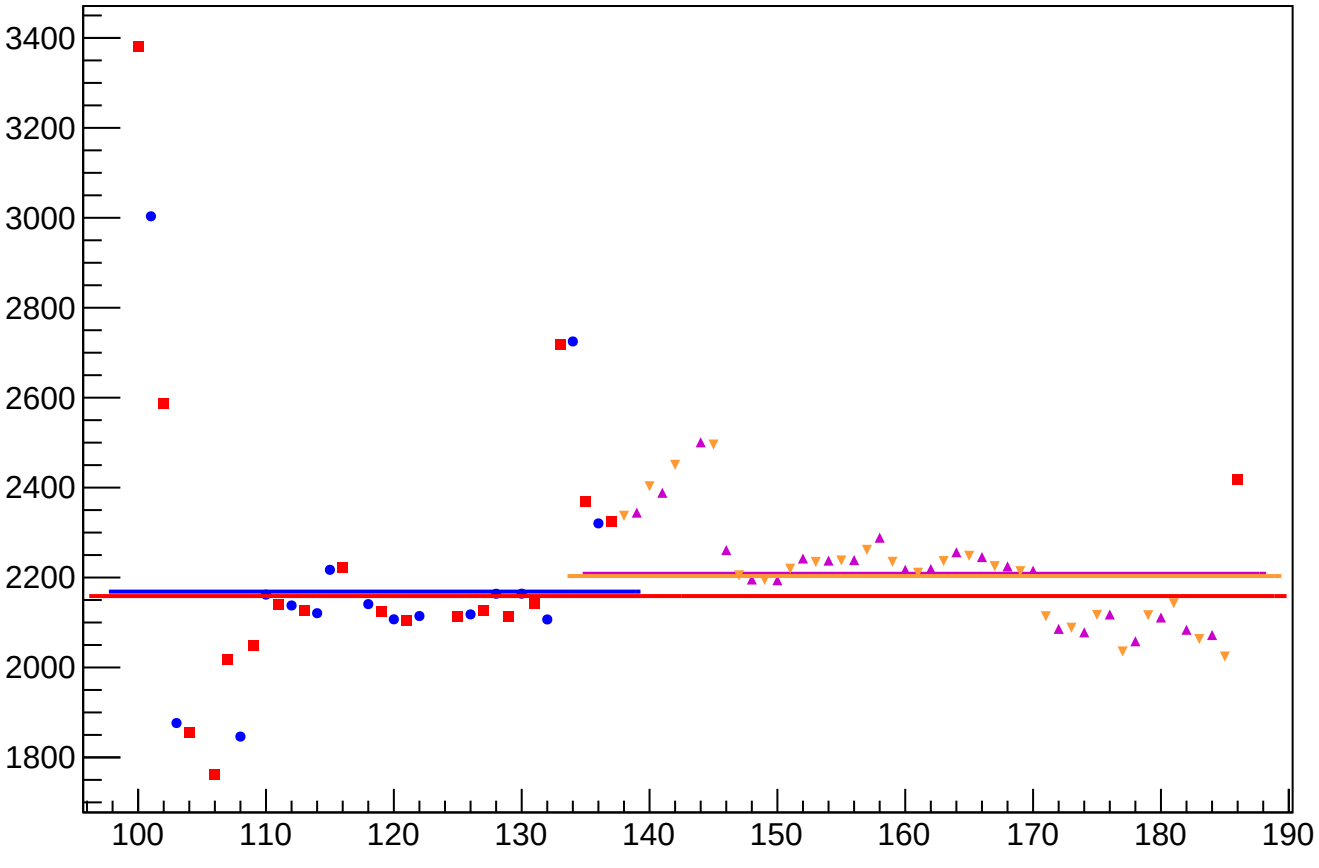
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4578.413+/-566.748 χ^2/NDF: 22.1/34

In: 5195.876+/-435.728 χ^2/NDF:20.4/38

Out: 3000.843+/-429.813 χ^2/NDF:46.6/42

All: 4083.361+/-305.994 χ^2/NDF: 79.9/81



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

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

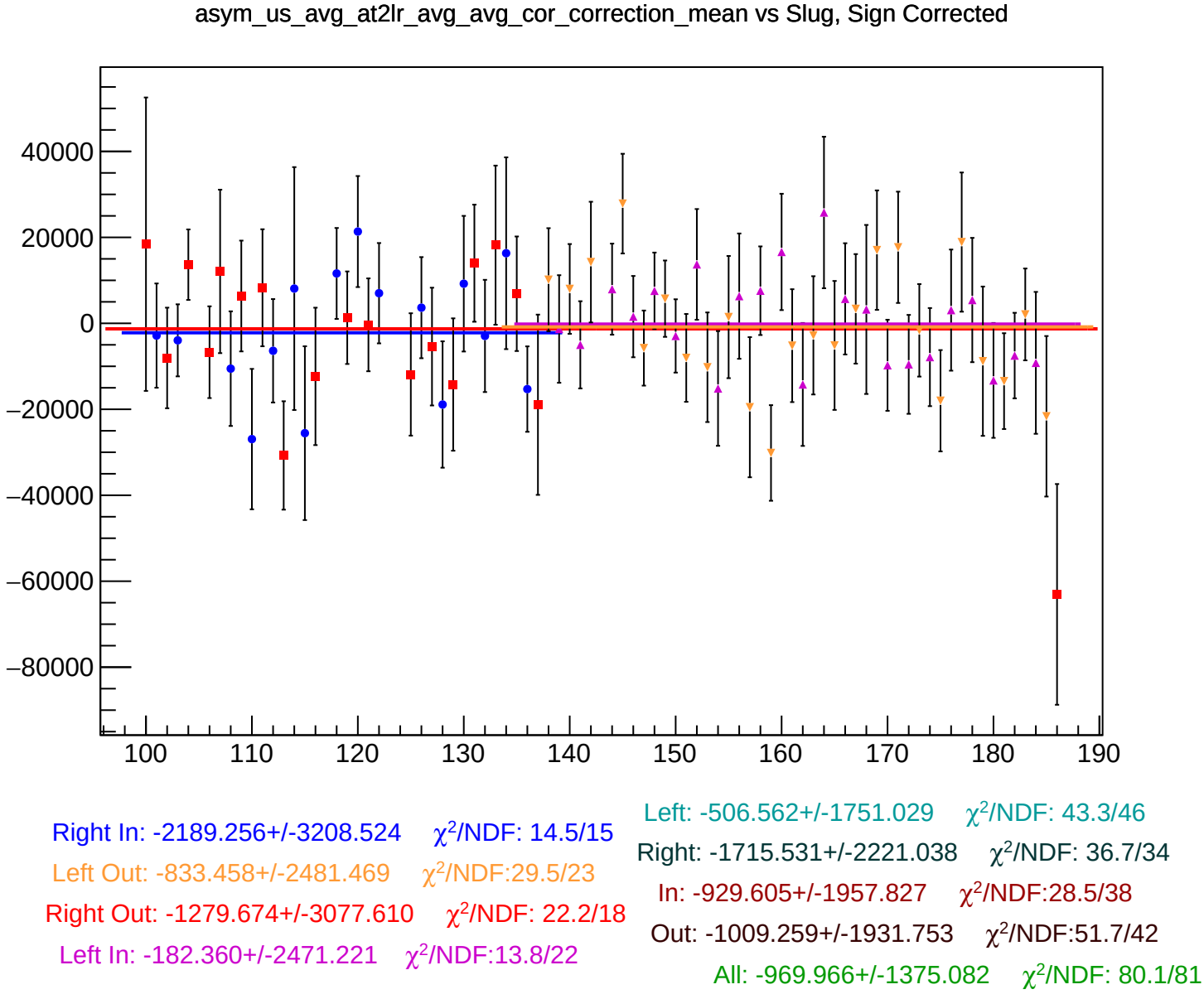
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2163.587+/-0.400 χ^2/NDF: 363506.7/34

In: 2196.973+/-0.308 χ^2/NDF:280049.5/38

Out: 2190.060+/-0.303 χ^2/NDF:260396.7/42

All: 2193.464+/-0.216 χ^2/NDF: 540701.7/81


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
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−20000
−40000
−60000
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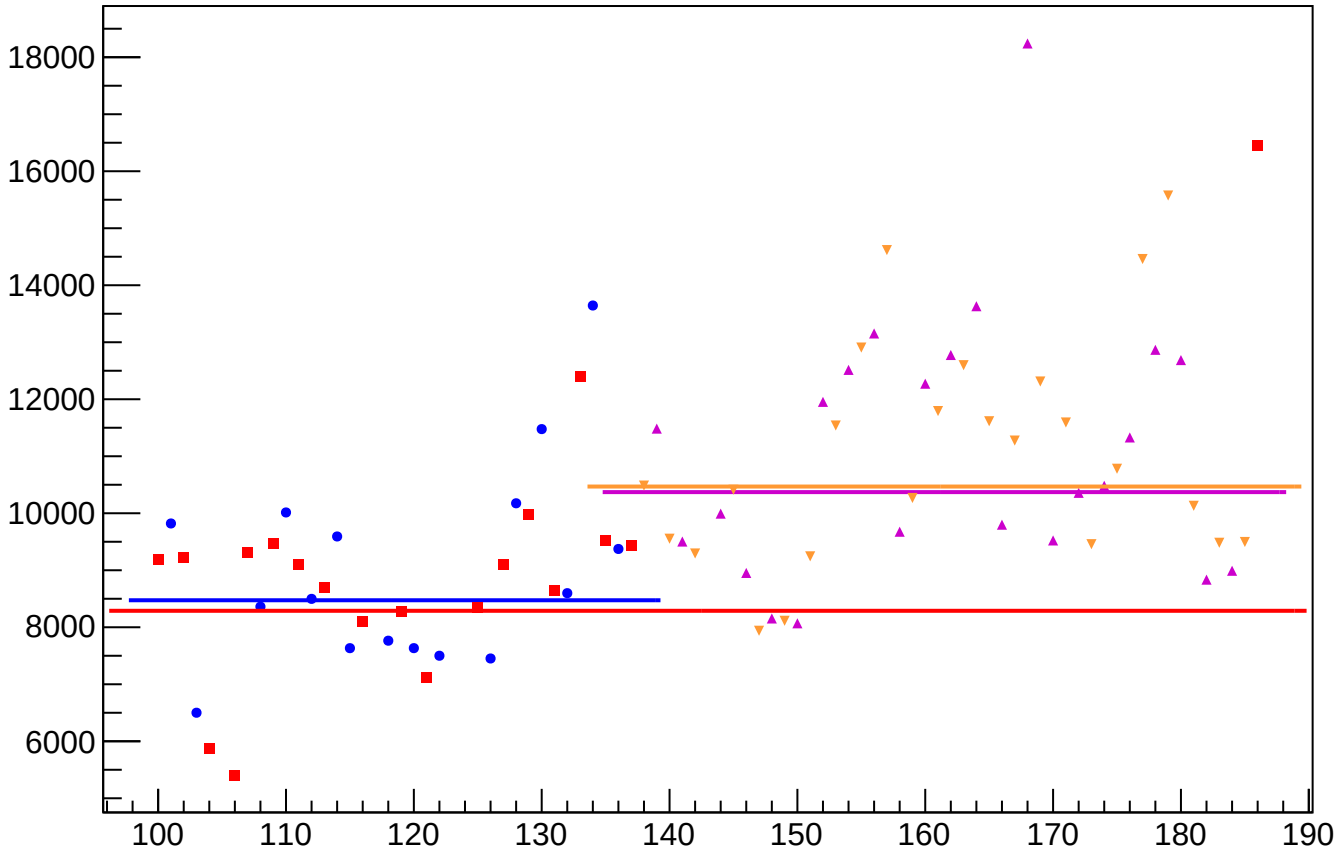
120
130
140
150
160
170
180
190
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -1279.674+/-3077.610 χ²/NDF: 22.2/18
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1715.531+/-2221.038 χ²/NDF: 36.7/34
In: -929.605+/-1957.827 χ²/NDF:28.5/38
Out: -1009.259+/-1931.753 χ²/NDF:51.7/42
All: -969.966+/-1375.082 χ²/NDF: 80.1/81



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

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

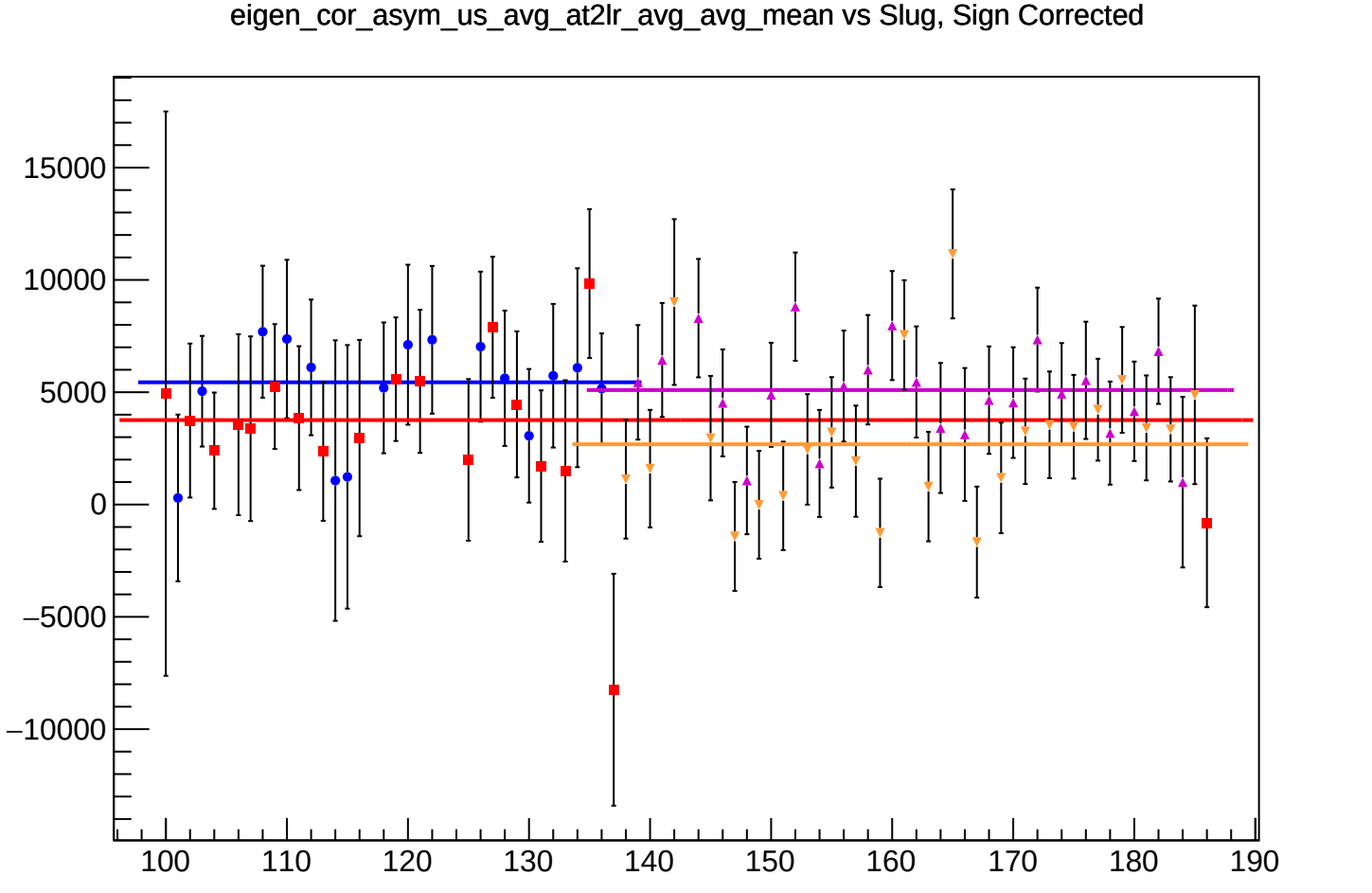
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8377.459+/-1.571 χ^2/NDF: 1177589.4/34

In: 9664.506+/-1.384 χ^2/NDF:2072190.4/38

Out: 9609.873+/-1.366 χ^2/NDF:2397870.0/42

All: 9636.824+/-0.972 χ^2/NDF: 4470849.5/81



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

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

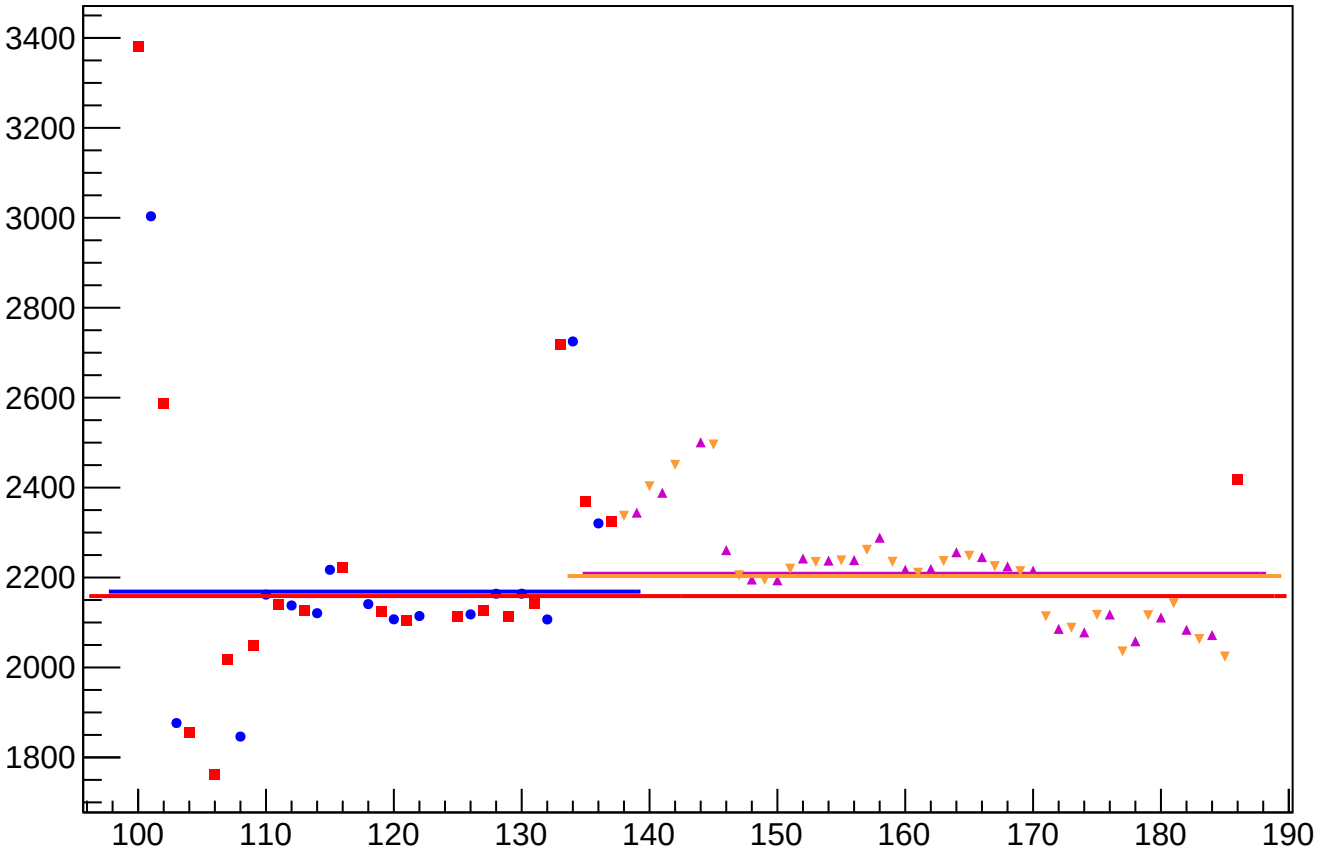
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4578.413+/-566.748 χ^2/NDF: 22.1/34

In: 5195.876+/-435.728 χ^2/NDF:20.4/38

Out: 3000.843+/-429.813 χ^2/NDF:46.6/42

All: 4083.361+/-305.994 χ^2/NDF: 79.9/81



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

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

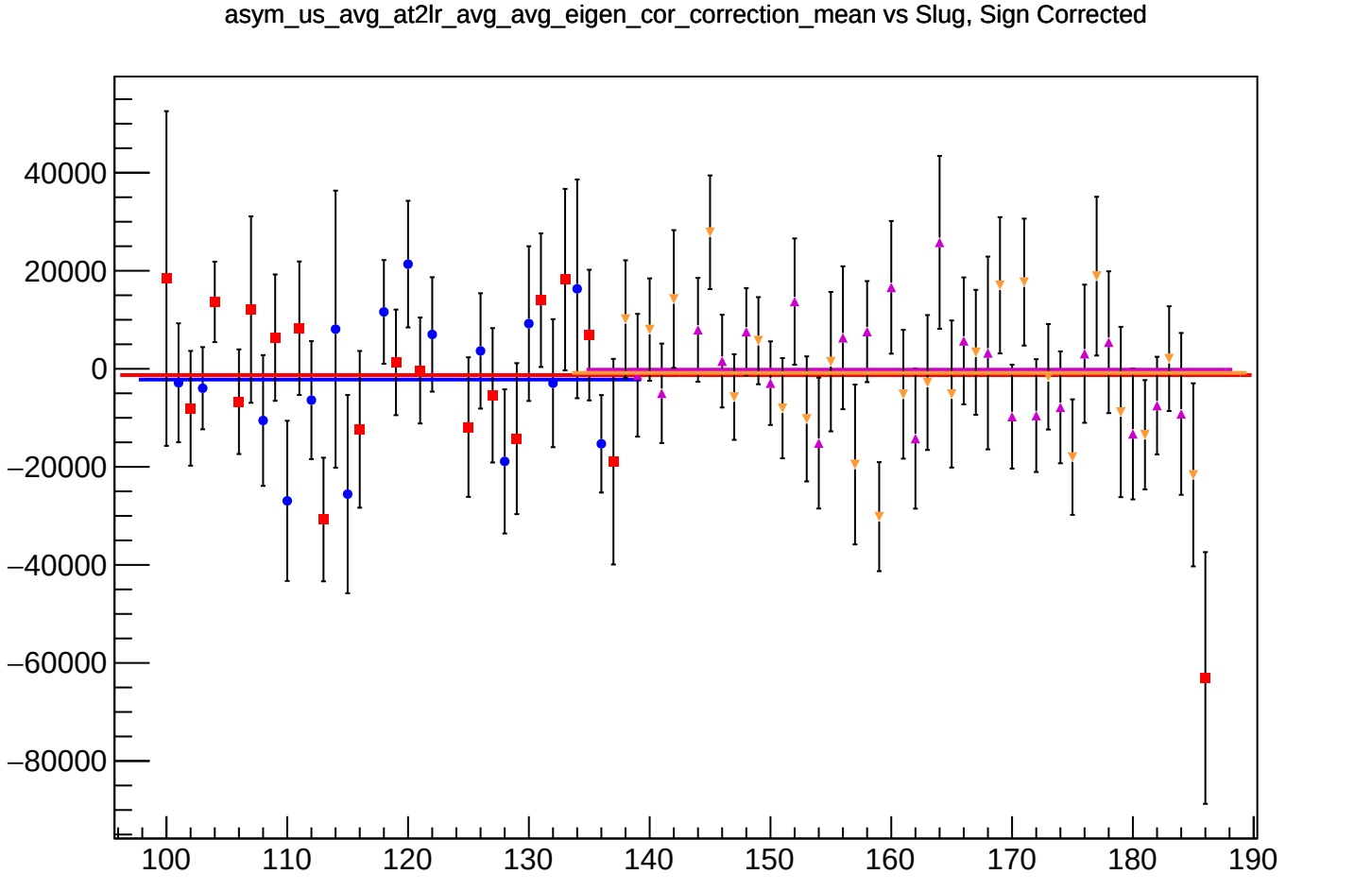
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2163.587+/-0.400 χ^2/NDF: 363506.7/34

In: 2196.973+/-0.308 χ^2/NDF:280049.5/38

Out: 2190.060+/-0.303 χ^2/NDF:260396.7/42

All: 2193.464+/-0.216 χ^2/NDF: 540701.7/81


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
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−40000
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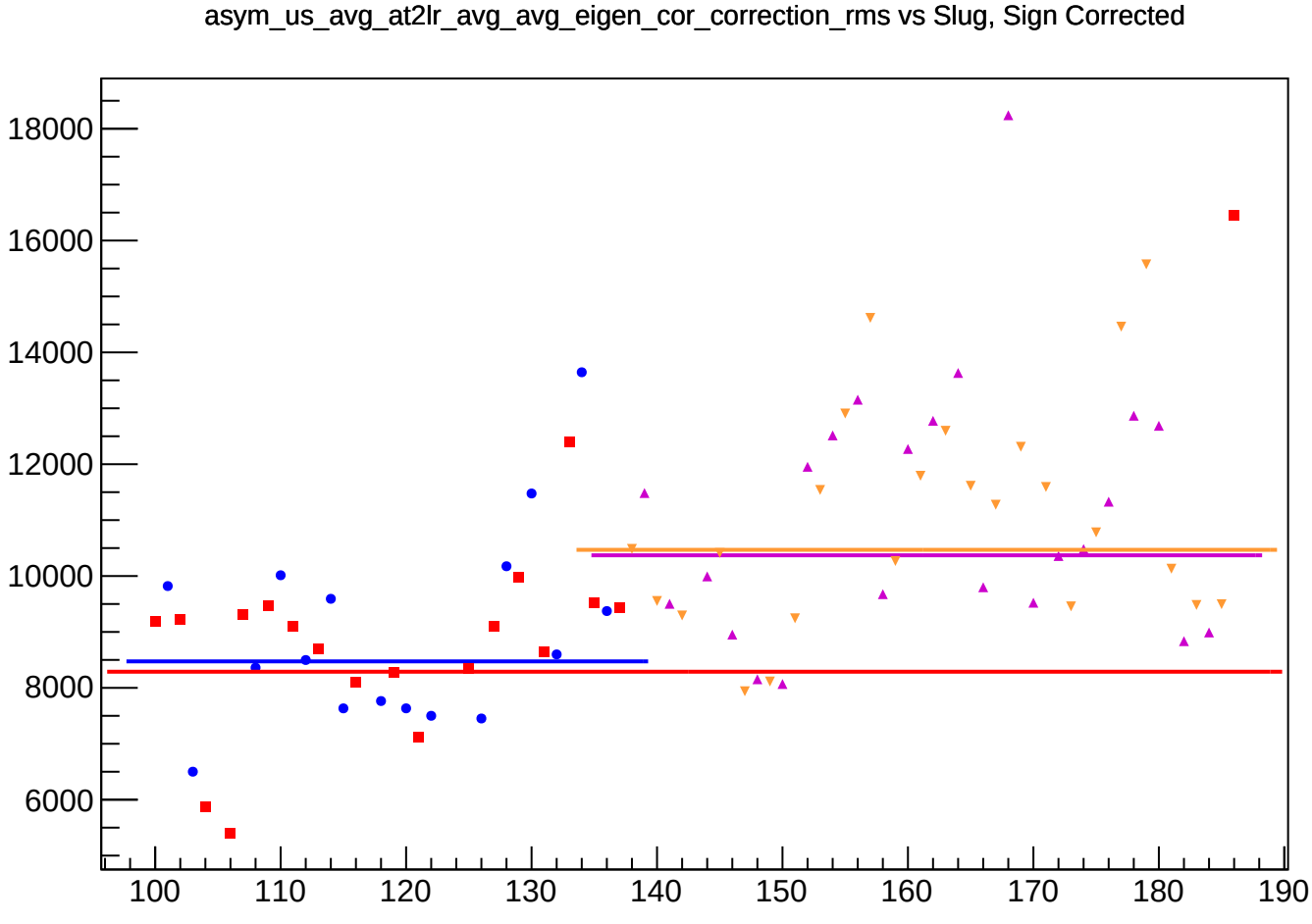
190
Right In: -2189.256+/-3208.524 χ²/NDF: 14.5/15
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -1279.674+/-3077.610 χ²/NDF: 22.2/18
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -1715.531+/-2221.038 χ²/NDF: 36.7/34
In: -929.605+/-1957.827 χ²/NDF:28.5/38
Out: -1009.259+/-1931.753 χ²/NDF:51.7/42
All: -969.966+/-1375.082 χ²/NDF: 80.1/81


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
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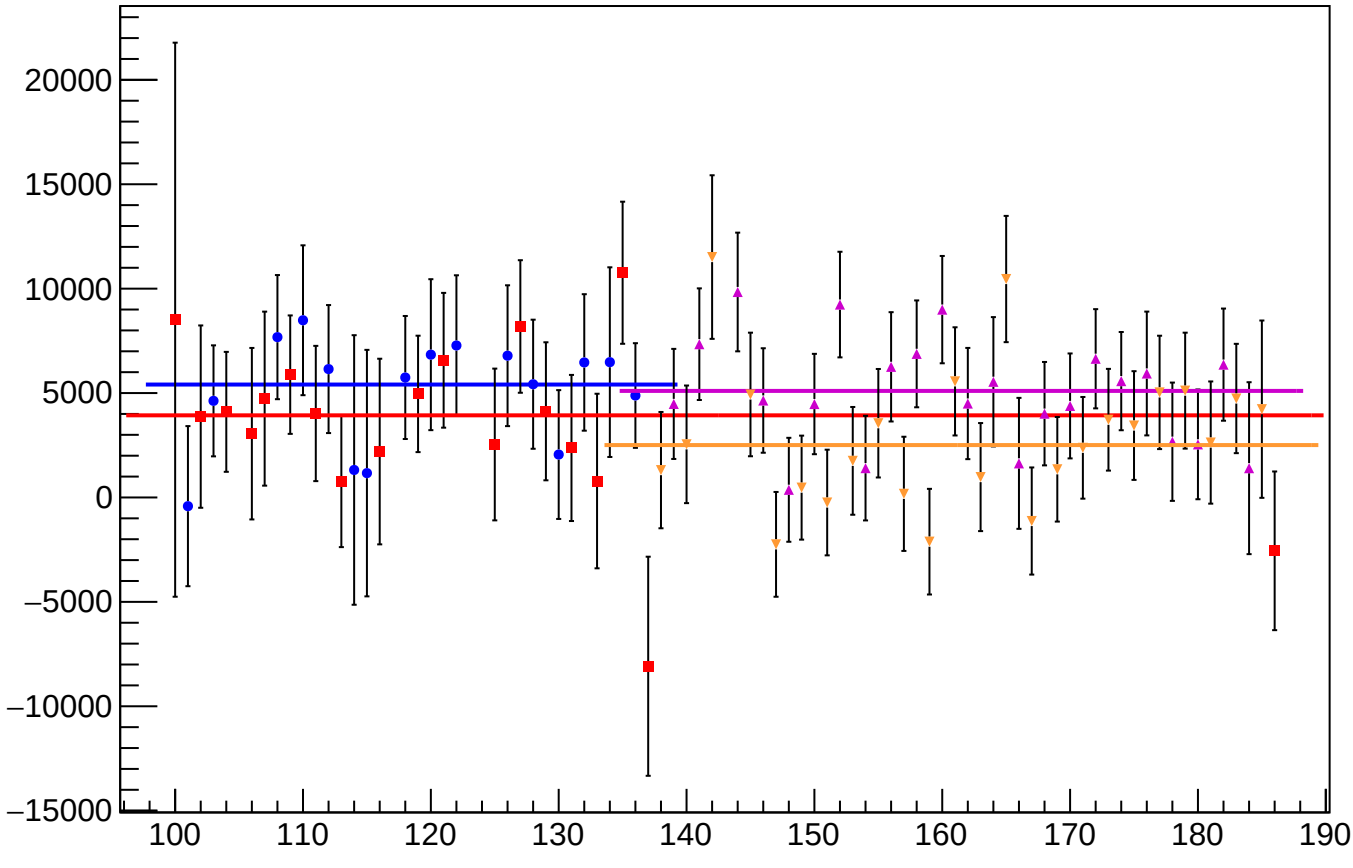
160
170
180
190
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 8288.873+/-2.176 χ²/NDF: 744584.0/18
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 8377.459+/-1.571 χ²/NDF: 1177589.4/34
In: 9664.506+/-1.384 χ²/NDF:2072190.4/38
Out: 9609.873+/-1.366 χ²/NDF:2397870.0/42
All: 9636.824+/-0.972 χ²/NDF: 4470849.5/81



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

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

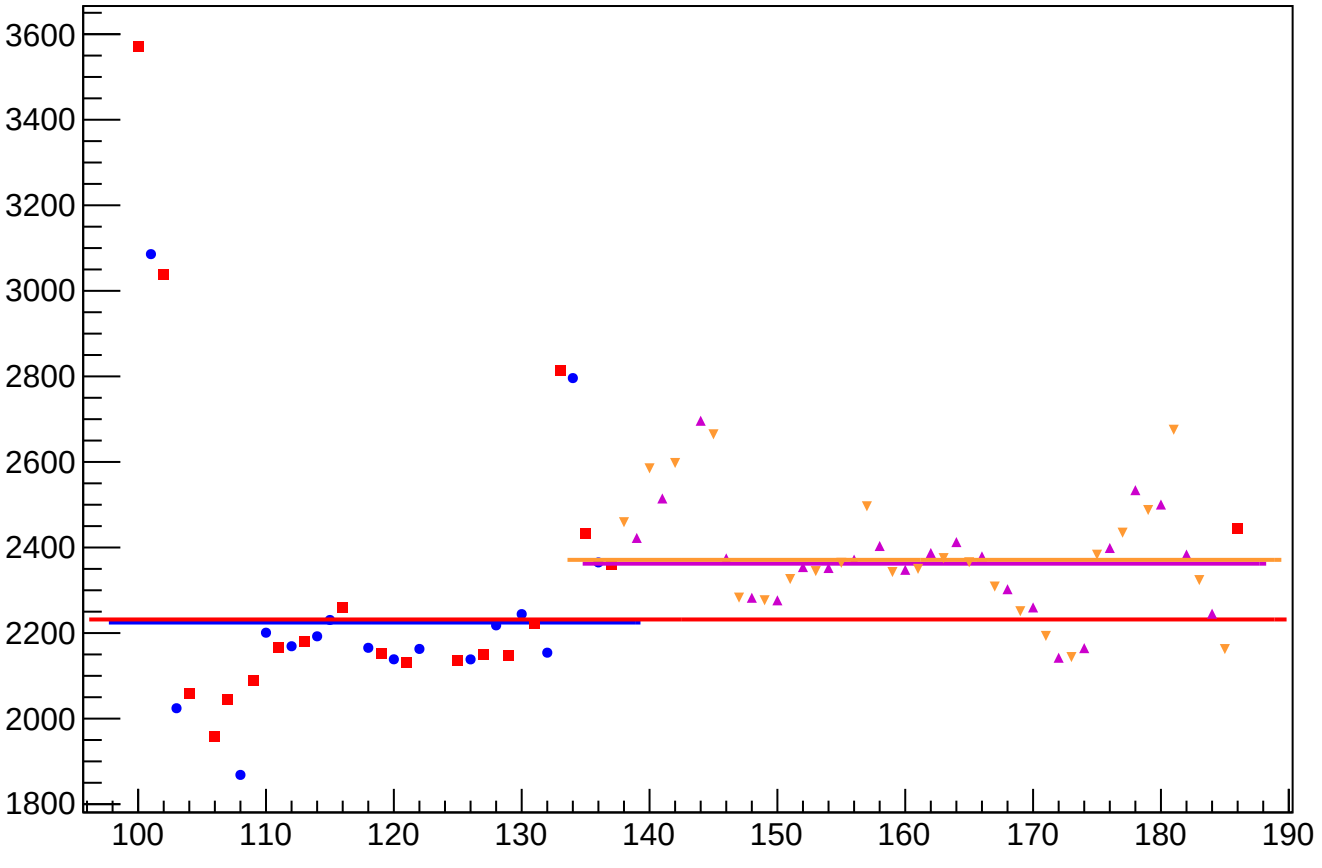
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4658.005+/-584.454 χ^2/NDF: 25.8/34

In: 5196.050+/-460.593 χ^2/NDF:26.7/38

Out: 2953.018+/-457.611 χ^2/NDF:49.4/42

All: 4067.249+/-324.629 χ^2/NDF: 88.1/81



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

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

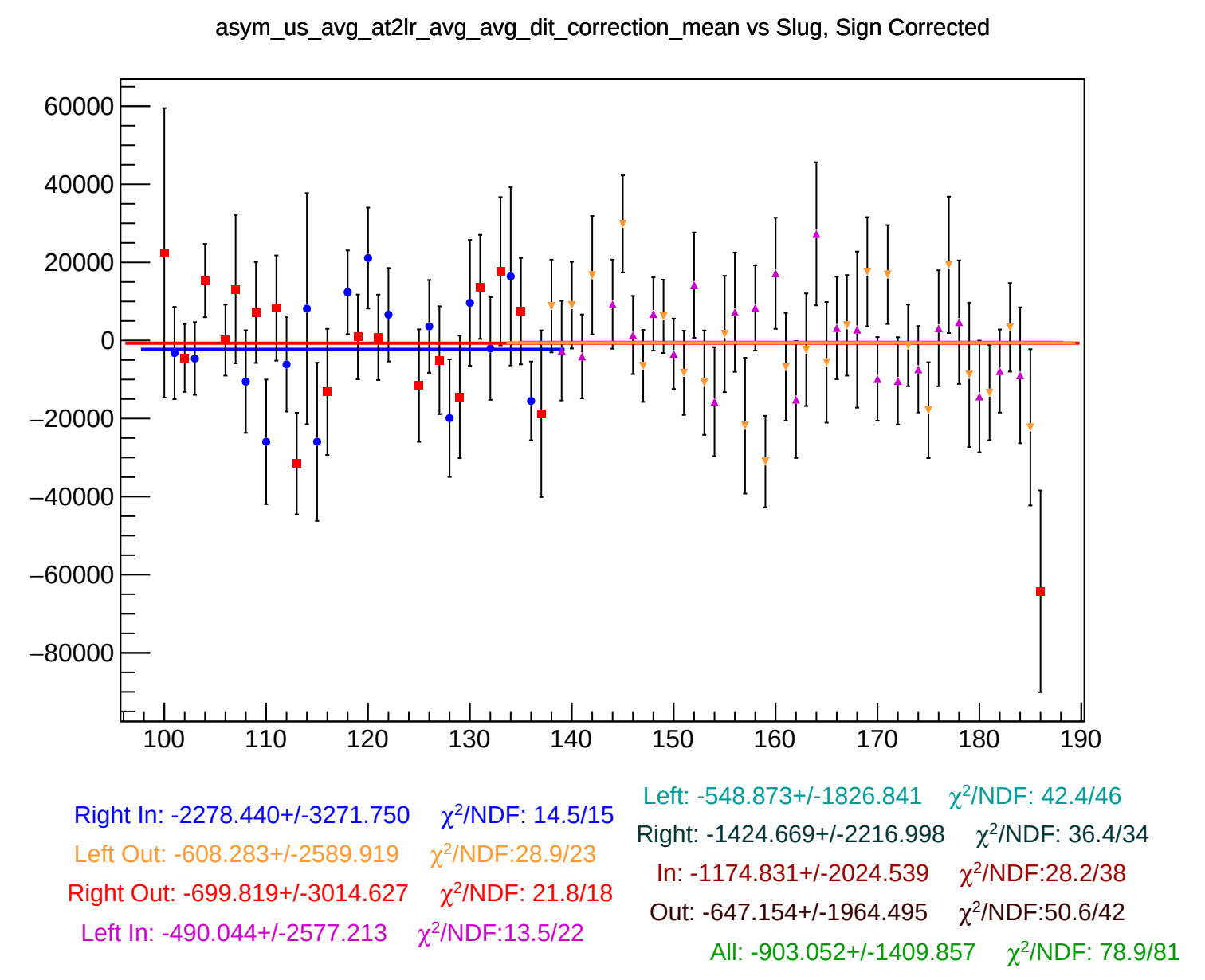
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

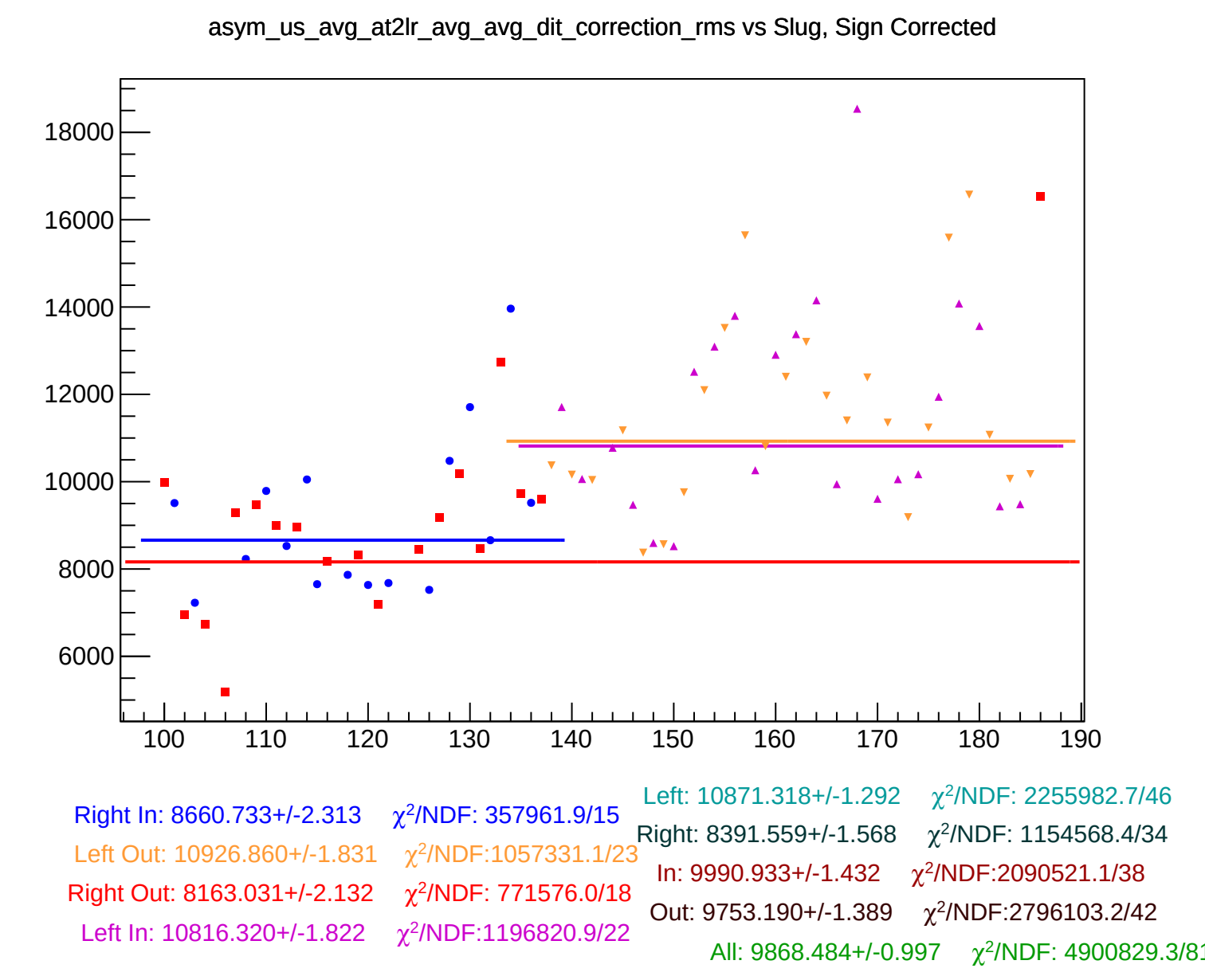
Right: 2228.260+/-0.413 χ^2/NDF: 361256.3/34

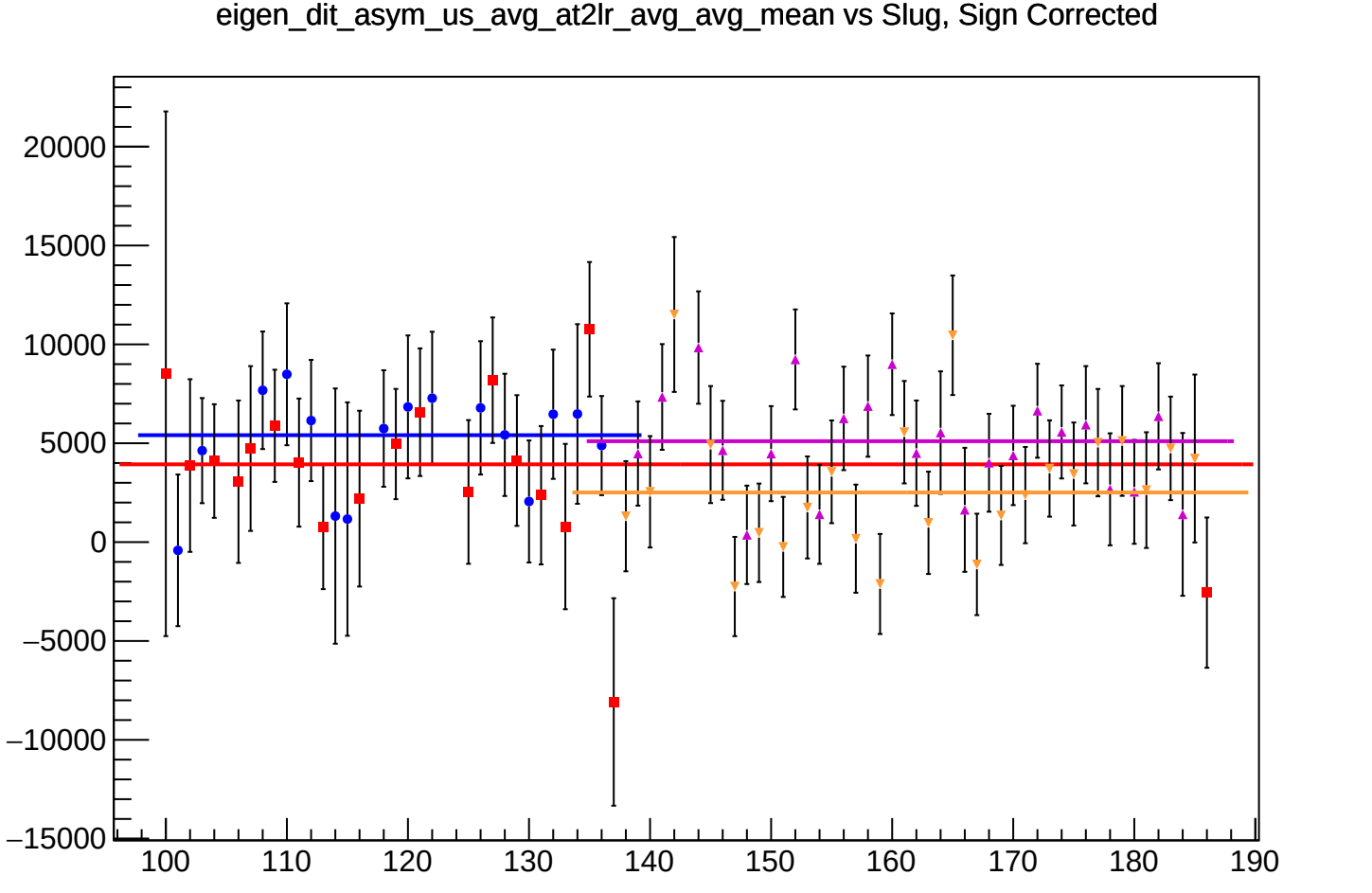
In: 2320.217+/-0.326 χ^2/NDF:314431.9/38

Out: 2327.656+/-0.324 χ^2/NDF:332627.5/42

All: 2323.961+/-0.230 χ^2/NDF: 647321.9/81


asym_us_avg_at2lr_avg_avg_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: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -699.819+/-3014.627 χ²/NDF: 21.8/18
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -1424.669+/-2216.998 χ²/NDF: 36.4/34
In: -1174.831+/-2024.539 χ²/NDF:28.2/38
Out: -647.154+/-1964.495 χ²/NDF:50.6/42
All: -903.052+/-1409.857 χ²/NDF: 78.9/81


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: 8660.733+/-2.313 χ²/NDF: 357961.9/15
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: 8391.559+/-1.568 χ²/NDF: 1154568.4/34
In: 9990.933+/-1.432 χ²/NDF:2090521.1/38
Out: 9753.190+/-1.389 χ²/NDF:2796103.2/42
All: 9868.484+/-0.997 χ²/NDF: 4900829.3/81



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3933.320+/-819.578 χ^2/NDF: 17.5/18

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

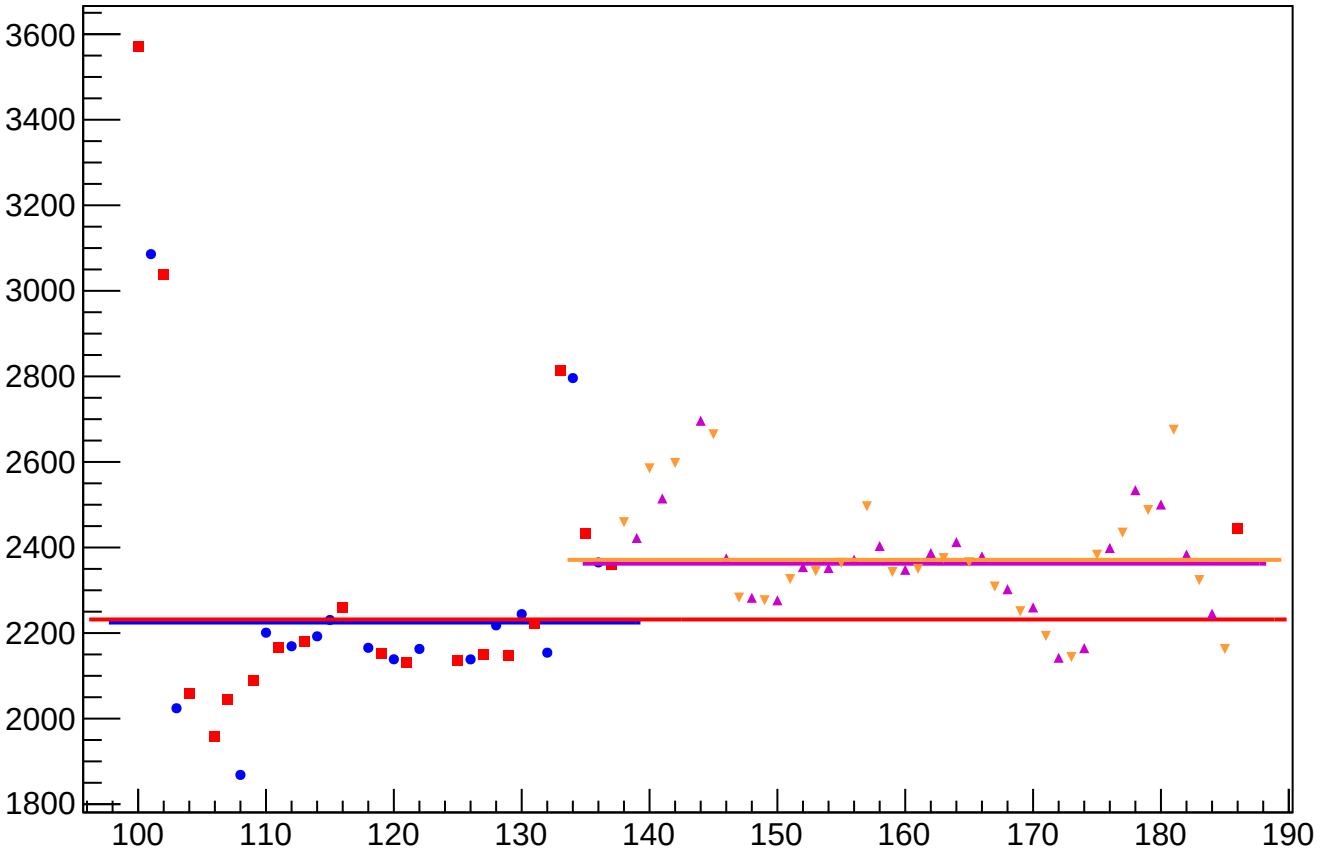
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4658.011+/-584.454 χ^2/NDF: 25.8/34

In: 5196.053+/-460.594 χ^2/NDF:26.7/38

Out: 2953.013+/-457.612 χ^2/NDF:49.4/42

All: 4067.248+/-324.630 χ^2/NDF: 88.1/81



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

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

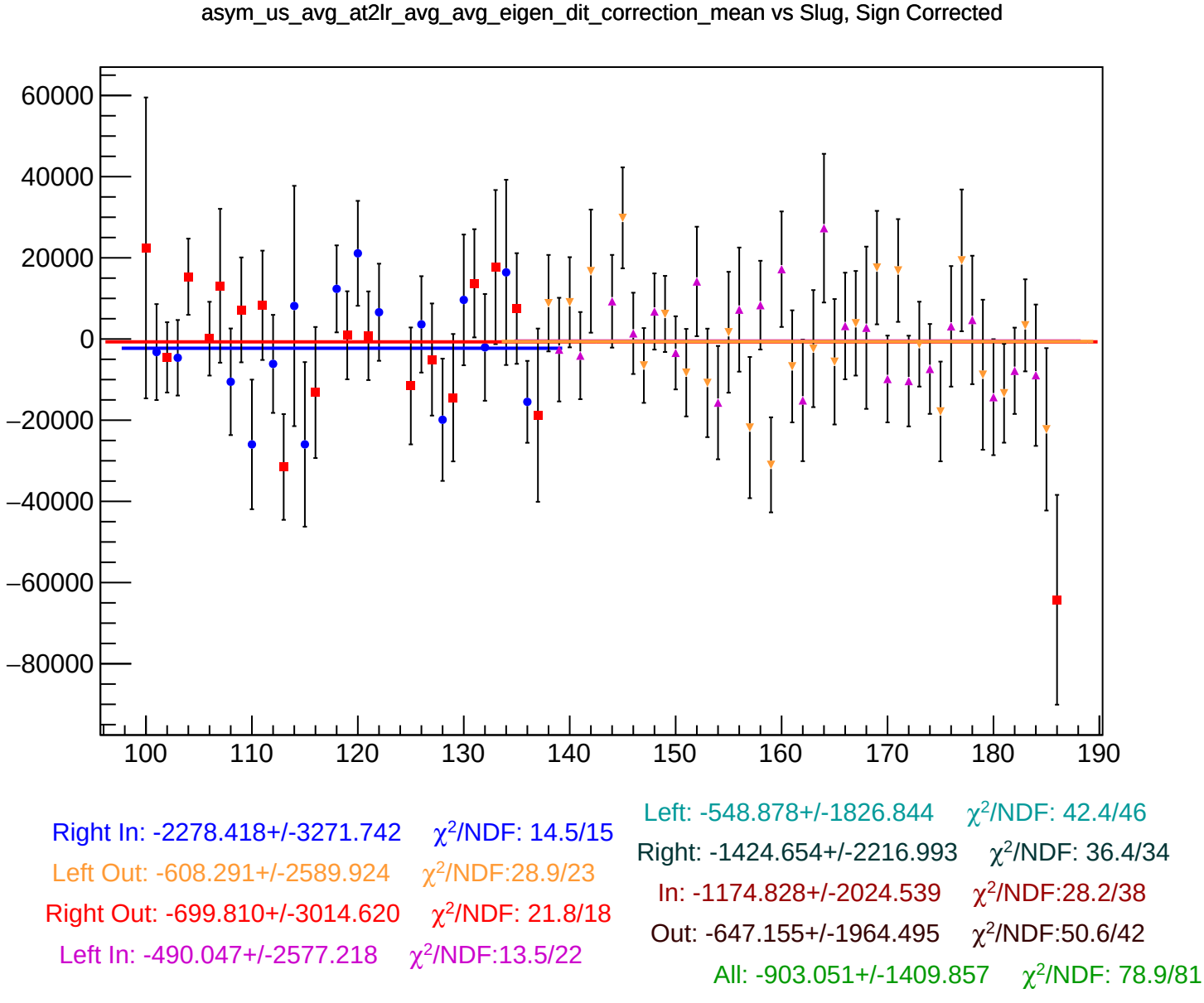
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

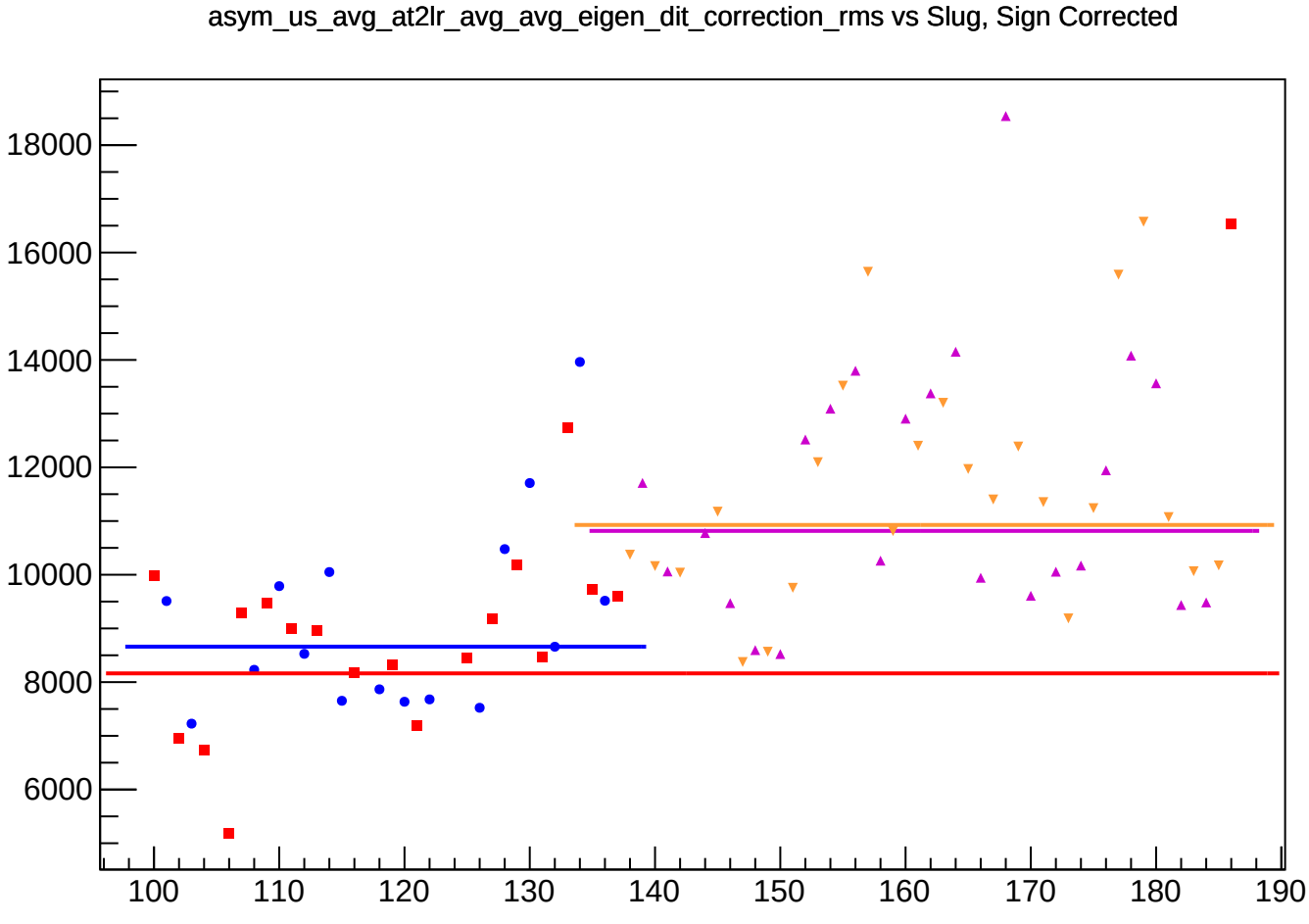
Right: 2228.259+/-0.413 χ^2/NDF: 361256.4/34

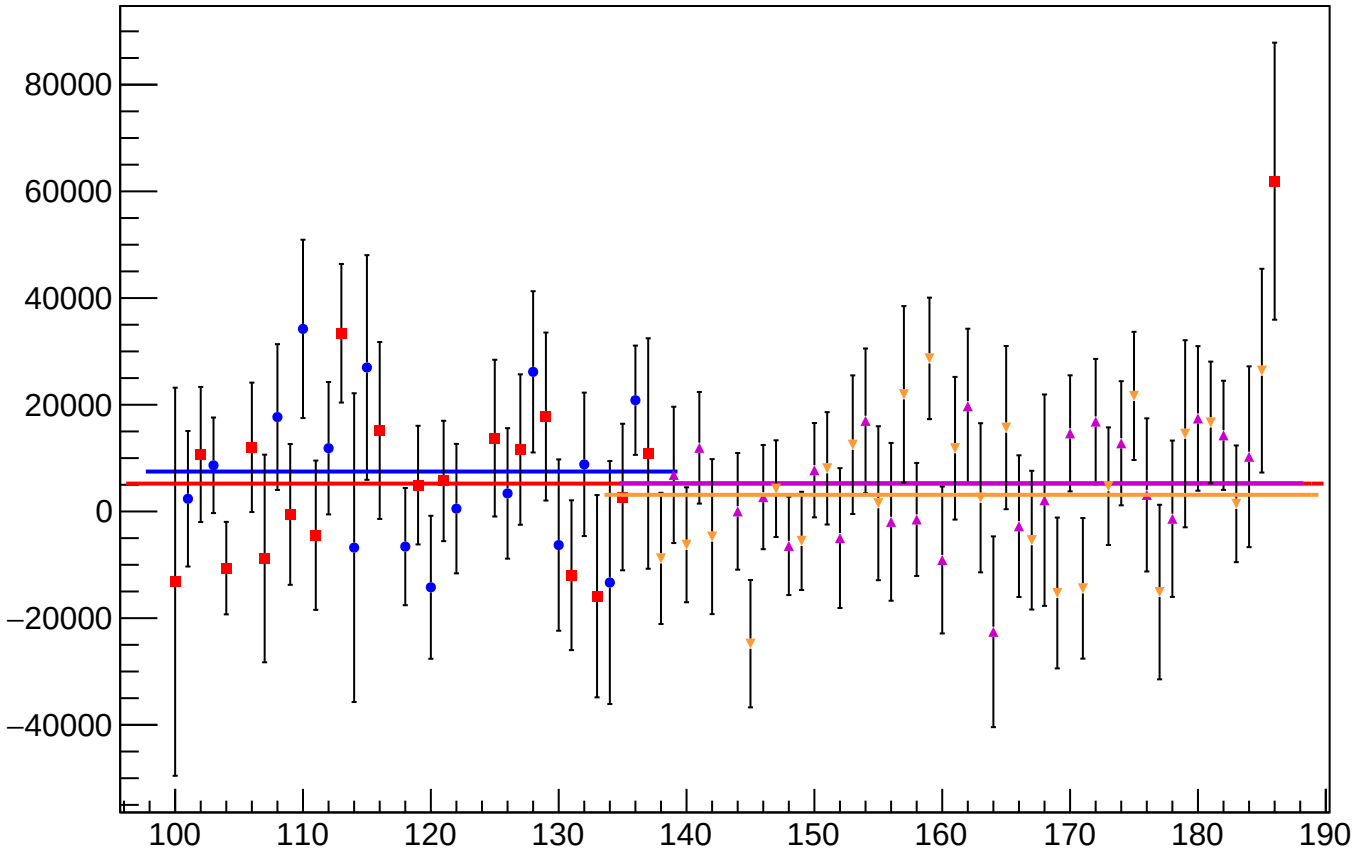
In: 2320.219+/-0.326 χ^2/NDF:314438.8/38

Out: 2327.658+/-0.324 χ^2/NDF:332633.9/42

All: 2323.963+/-0.230 χ^2/NDF: 647335.4/81


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: -2278.418+/-3271.742 χ²/NDF: 14.5/15
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: -1424.654+/-2216.993 χ²/NDF: 36.4/34
In: -1174.828+/-2024.539 χ²/NDF:28.2/38
Out: -647.155+/-1964.495 χ²/NDF:50.6/42
All: -903.051+/-1409.857 χ²/NDF: 78.9/81


asym_us_avg_at2lr_avg_avg_eigen_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: 8660.711+/-2.313 χ²/NDF: 357964.1/15
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 8163.013+/-2.132 χ²/NDF: 771574.8/18
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 8391.540+/-1.568 χ²/NDF: 1154569.3/34
In: 9990.931+/-1.432 χ²/NDF:2090546.6/38
Out: 9753.188+/-1.389 χ²/NDF:2796130.8/42
All: 9868.482+/-0.997 χ²/NDF: 4900882.4/81



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

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

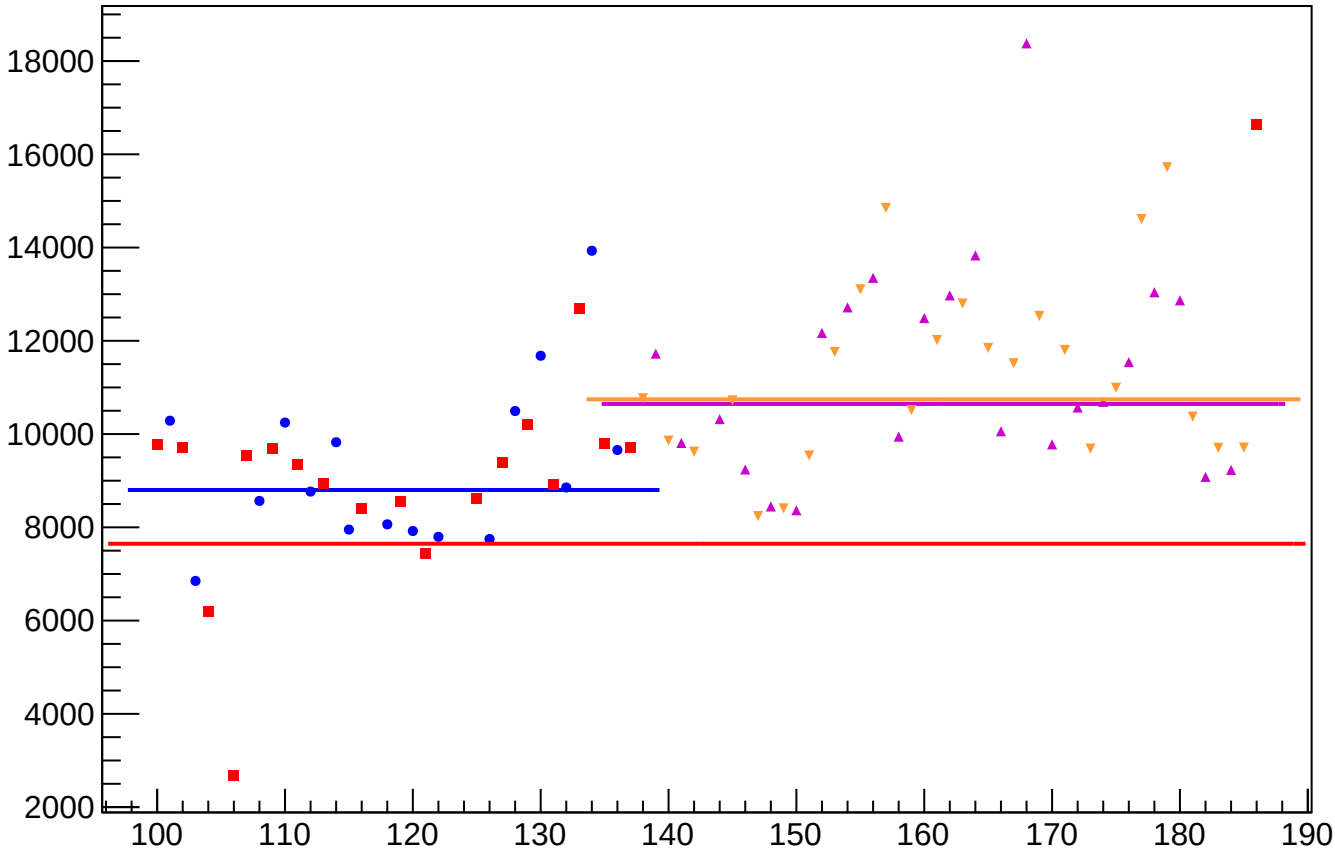
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 6312.967+/-2314.219 χ^2/NDF: 33.4/34

In: 6093.521+/-2016.238 χ^2/NDF:27.7/38

Out: 3927.716+/-1995.051 χ^2/NDF:46.8/42

All: 4999.179+/-1418.145 χ^2/NDF: 75.1/81



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

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

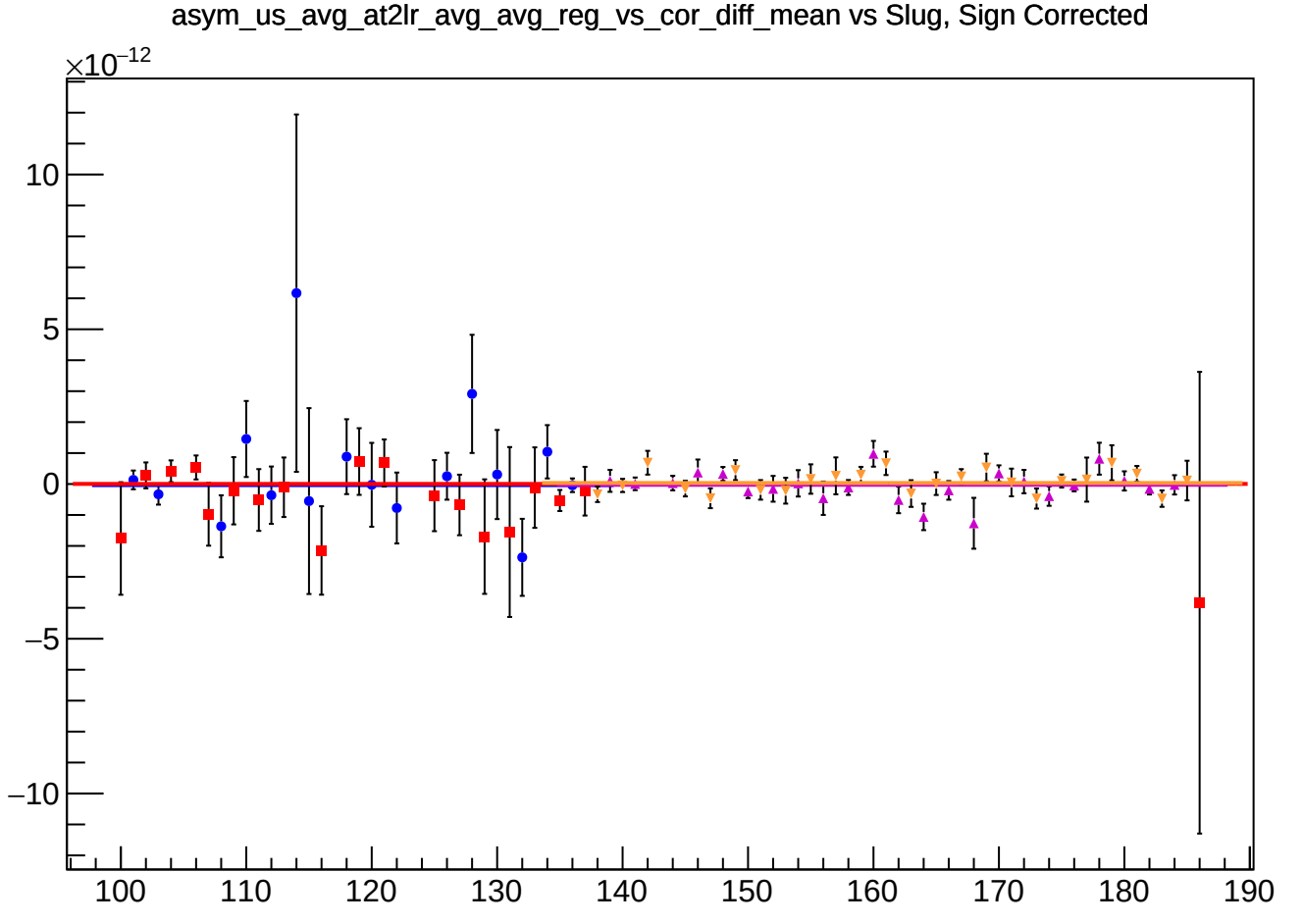
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

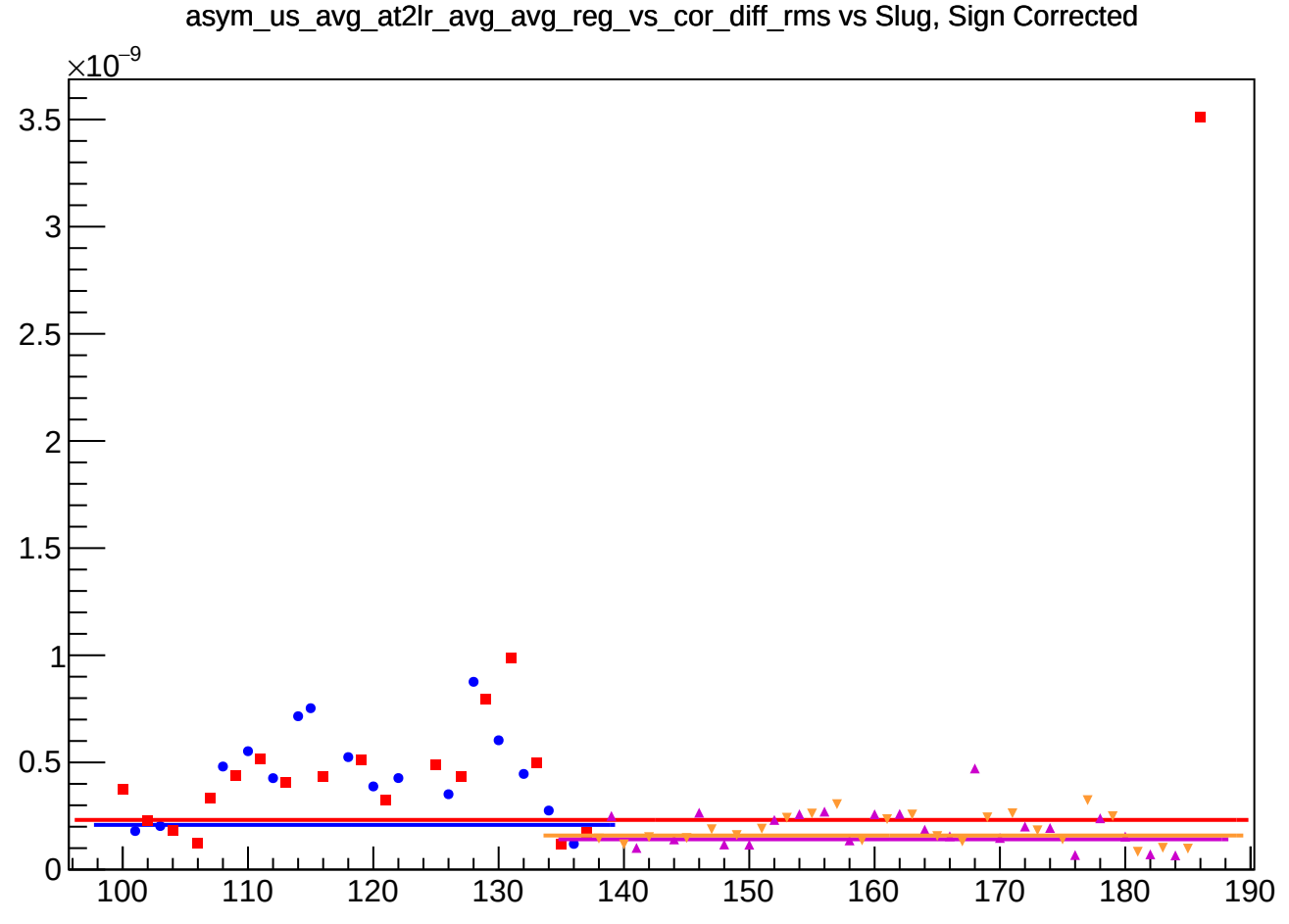
Right: 8162.789+/-1.573 χ^2/NDF: 2427021.3/34

In: 9970.310+/-1.426 χ^2/NDF:1897600.1/38

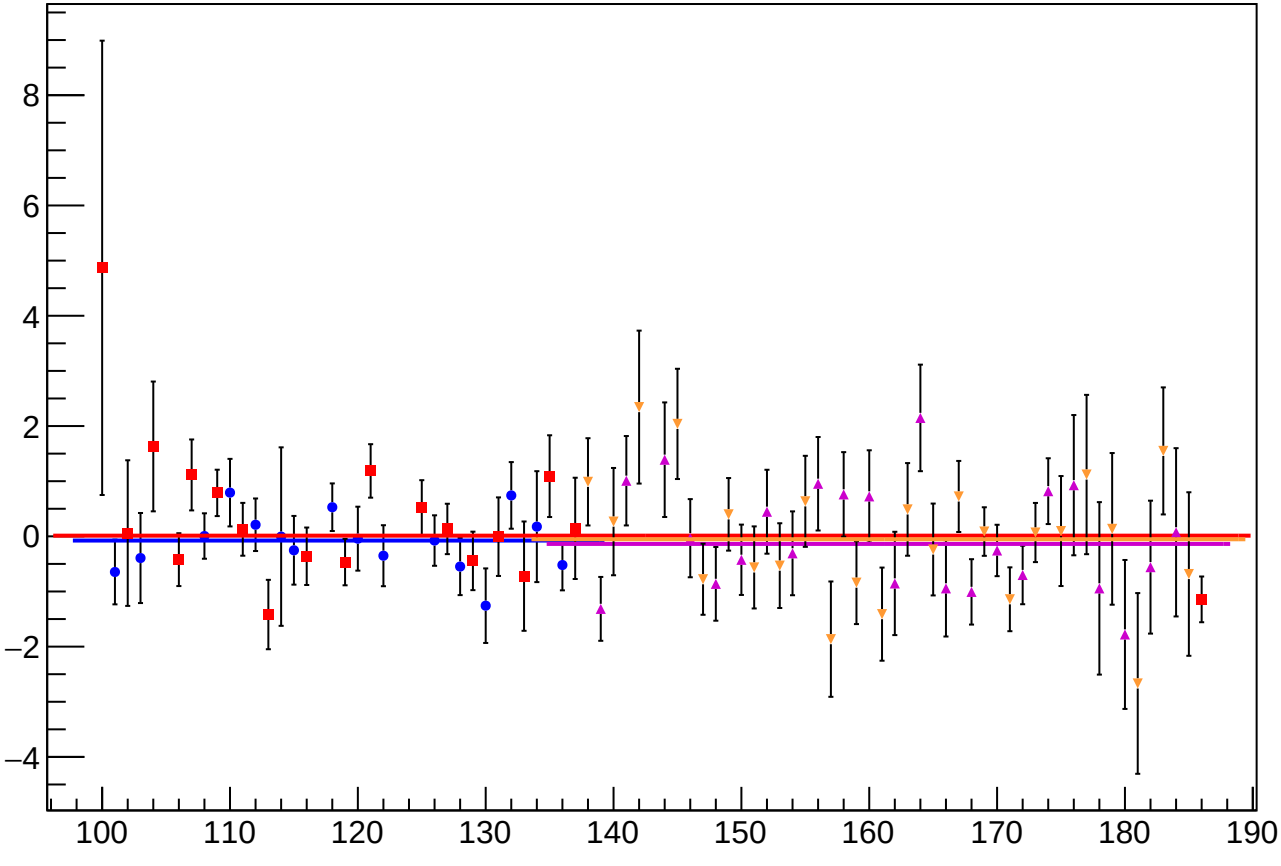
Out: 9445.506+/-1.370 χ^2/NDF:4109503.6/42

All: 9697.399+/-0.988 χ^2/NDF: 6077567.8/81


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/18
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 54.6/46
Right: -0.000+/-0.000 χ²/NDF: 28.3/34
In: -0.000+/-0.000 χ²/NDF:42.2/38
Out: 0.000+/-0.000 χ²/NDF:40.3/42
All: -0.000+/-0.000 χ²/NDF: 82.9/81


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
3.5
3
2.5
2
1.5
1
0.5
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1632322.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1297018.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1948048.0/18
Left In: 0.000+/-0.000 χ²/NDF:2396288.8/22
Left: 0.000+/-0.000 χ²/NDF: 3771928.7/46
Right: 0.000+/-0.000 χ²/NDF: 3604516.5/34
In: 0.000+/-0.000 χ²/NDF:4408871.6/38
Out: 0.000+/-0.000 χ²/NDF:3613449.1/42
All: 0.000+/-0.000 χ²/NDF: 8118768.6/81

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.053+/-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

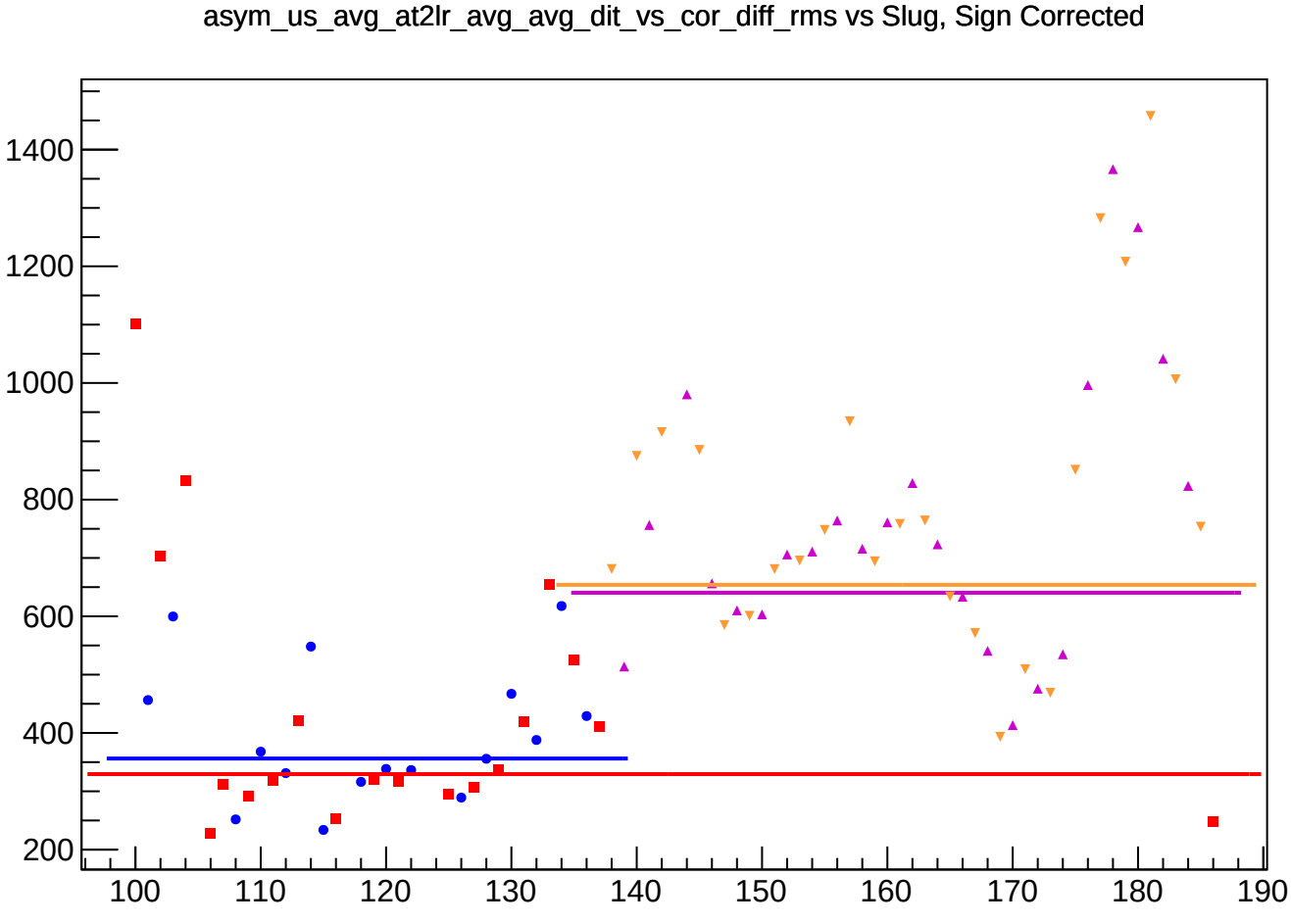
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.029+/-0.096 χ^2/NDF: 48.3/34

In: -0.103+/-0.105 χ^2/NDF:42.6/38

Out: -0.014+/-0.102 χ^2/NDF:65.8/42

All: -0.057+/-0.073 χ^2/NDF: 108.8/81



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

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

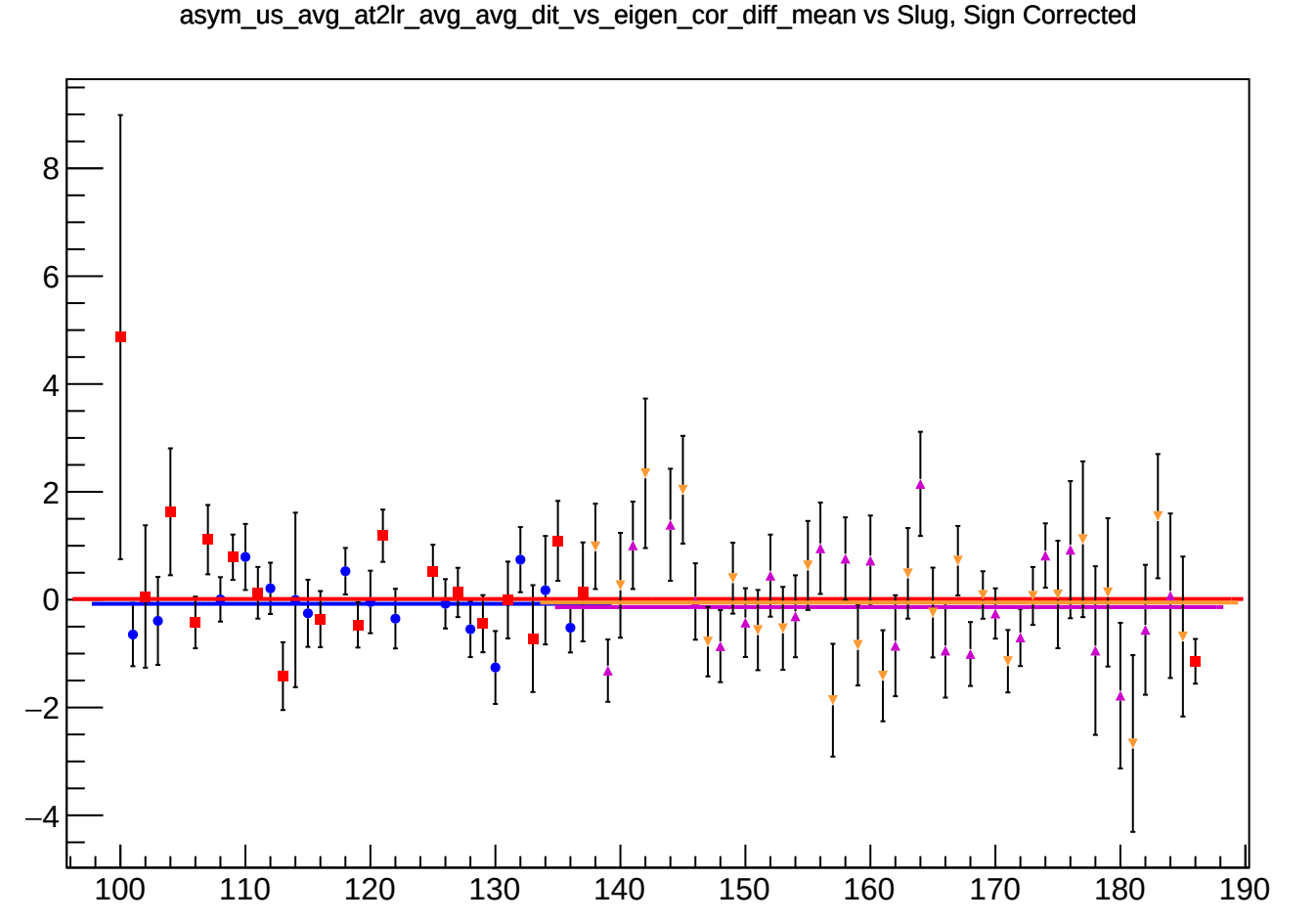
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 341.947+/-0.068 χ^2/NDF: 2111414.8/34

In: 481.207+/-0.074 χ^2/NDF:7063748.7/38

Out: 458.300+/-0.072 χ^2/NDF:9289511.3/42

All: 469.415+/-0.052 χ^2/NDF: 16402539.9/81


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
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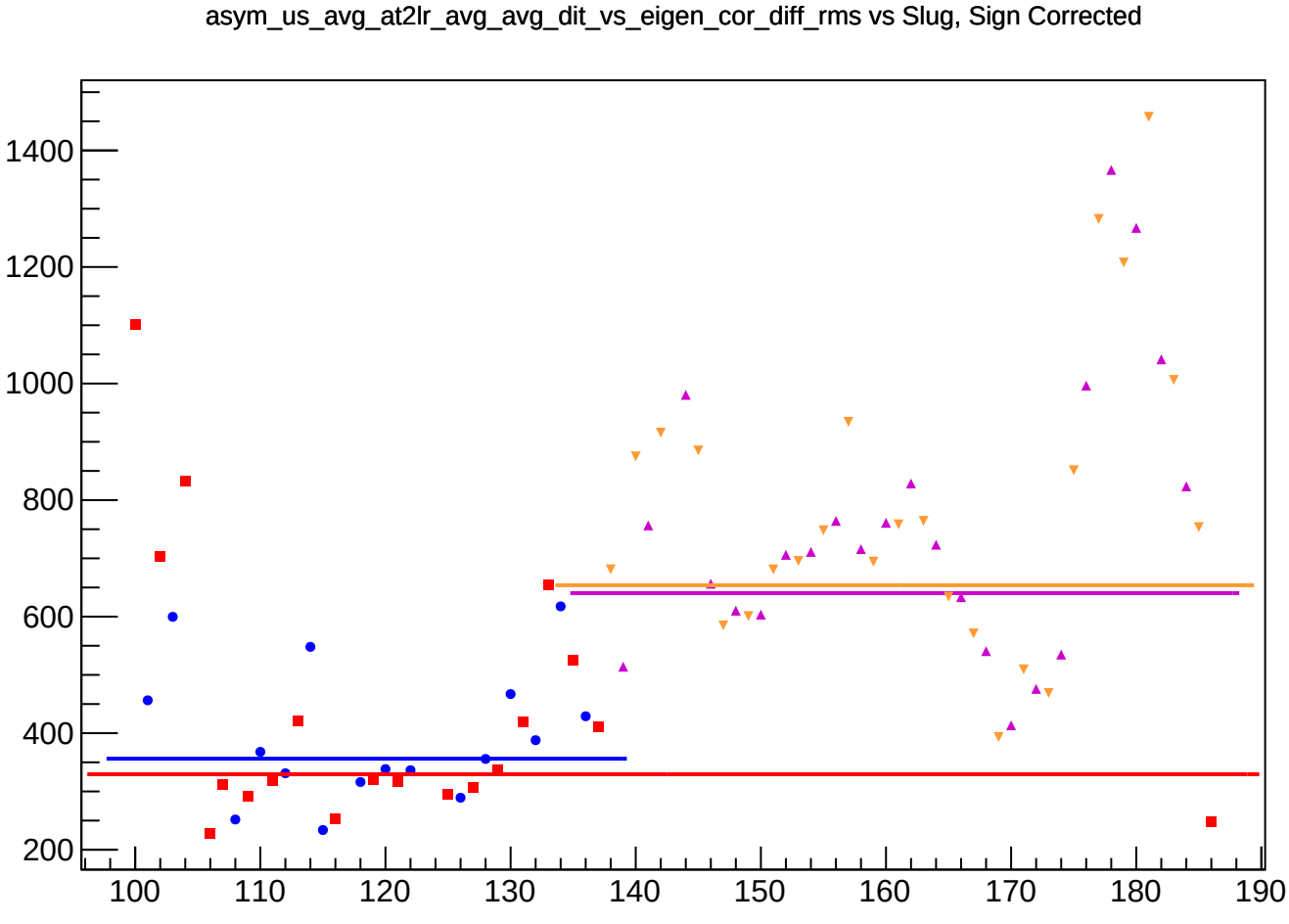
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: 0.012+/-0.131 χ²/NDF: 35.6/18
Left In: -0.138+/-0.158 χ²/NDF:30.0/22
Left: -0.096+/-0.113 χ²/NDF: 60.2/46
Right: -0.029+/-0.096 χ²/NDF: 48.3/34
In: -0.103+/-0.105 χ²/NDF:42.6/38
Out: -0.014+/-0.102 χ²/NDF:65.8/42
All: -0.057+/-0.073 χ²/NDF: 108.8/81



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

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

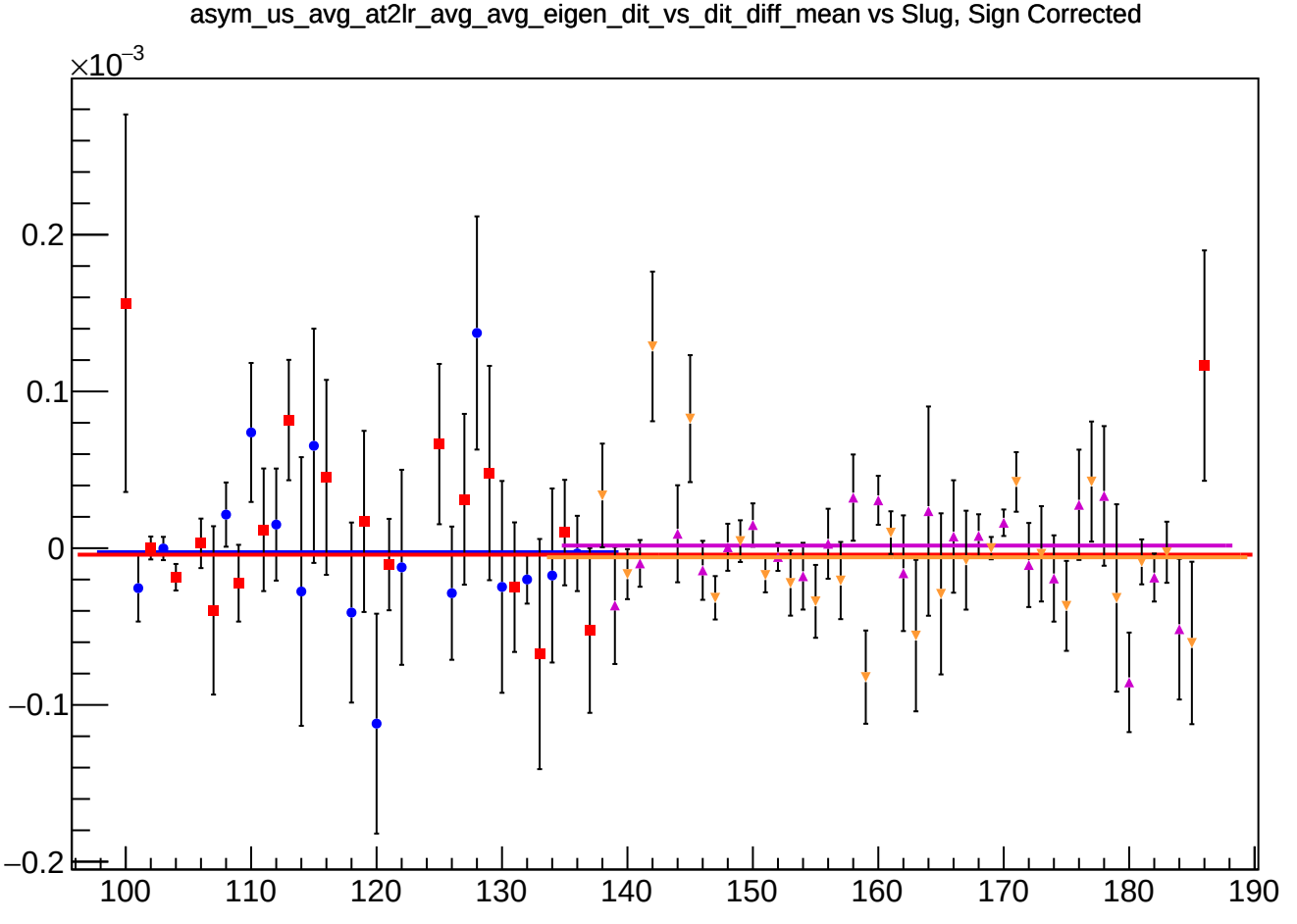
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 341.947+/-0.068 χ^2/NDF: 2111414.8/34

In: 481.207+/-0.074 χ^2/NDF:7063748.7/38

Out: 458.300+/-0.072 χ^2/NDF:9289511.3/42

All: 469.415+/-0.052 χ^2/NDF: 16402539.9/81



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

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

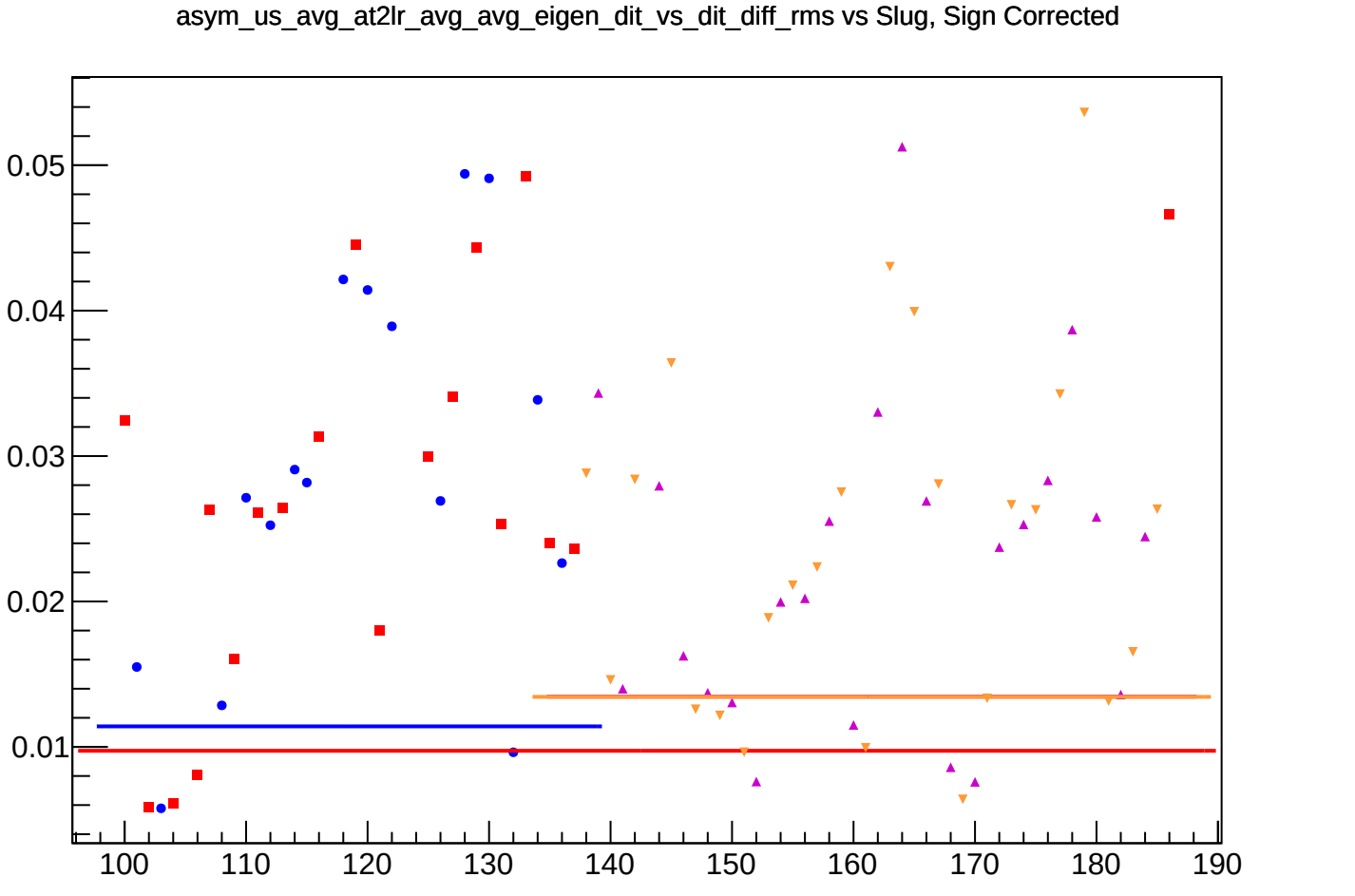
Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

Right: -0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:41.0/38

Out: -0.000+/-0.000 χ^2/NDF:62.5/42

All: -0.000+/-0.000 χ^2/NDF: 105.2/81



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

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

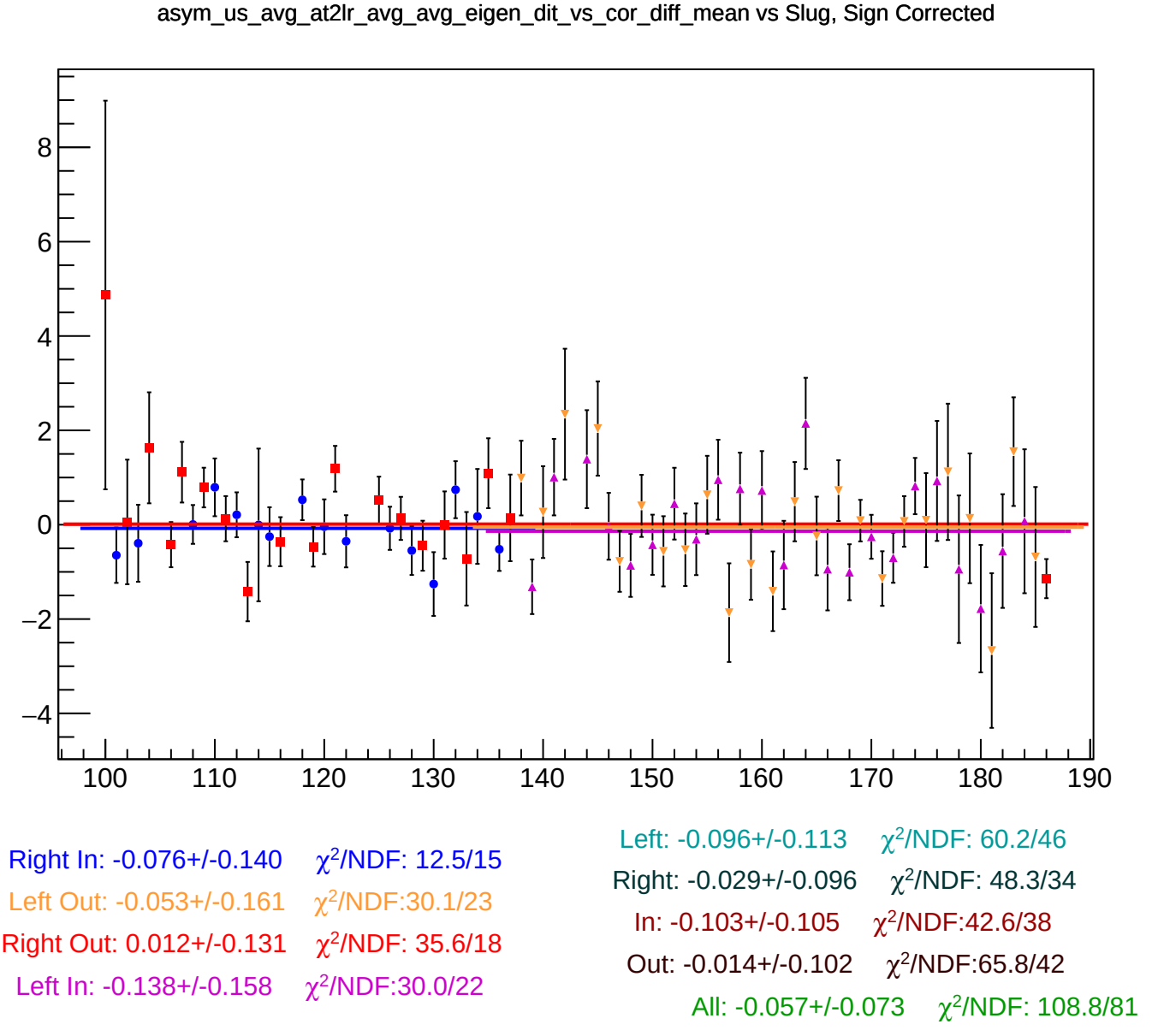
Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

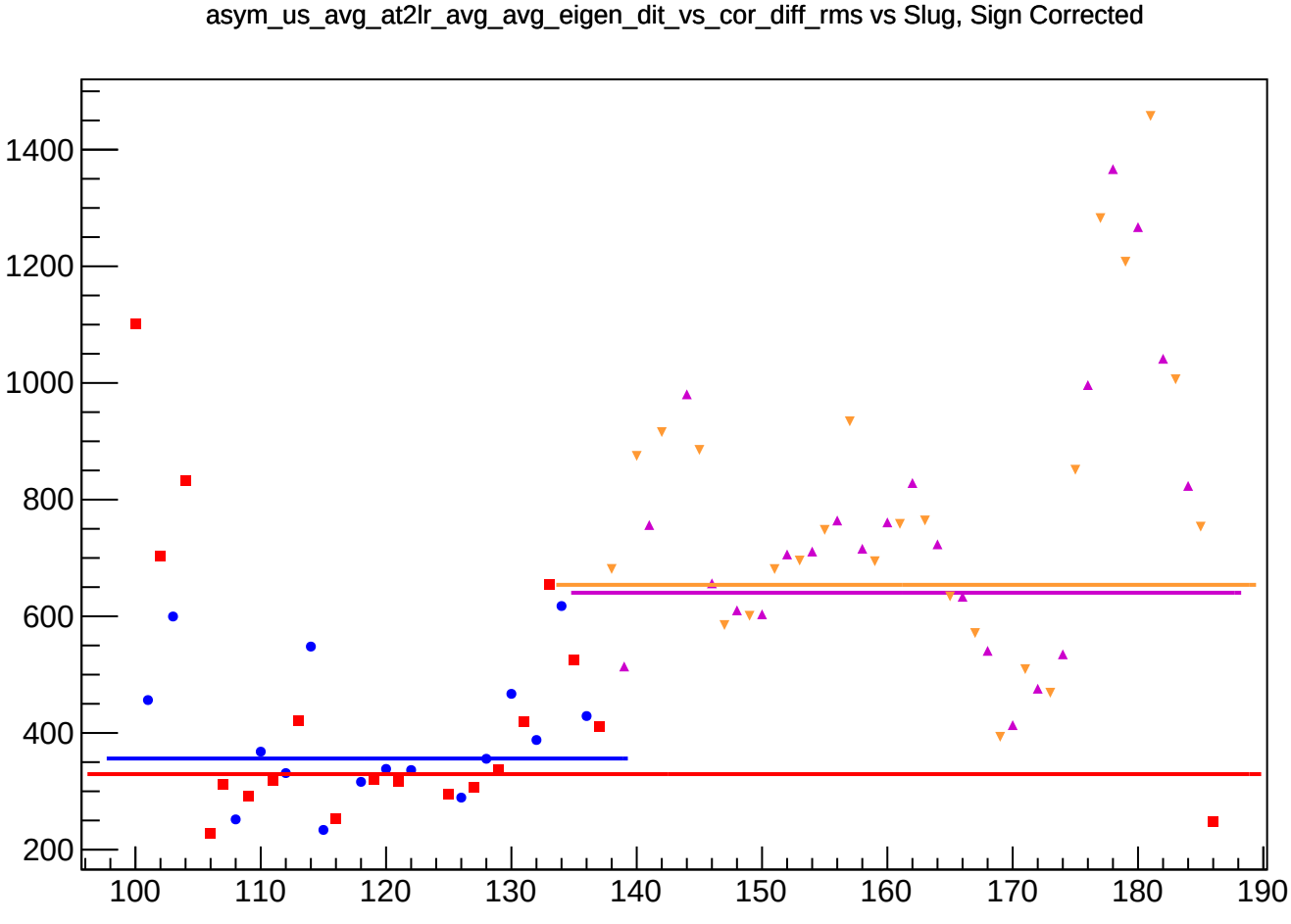
Right: 0.010+/-0.000 χ^2/NDF: 11900948.6/34

In: 0.013+/-0.000 χ^2/NDF:13235075.5/38

Out: 0.012+/-0.000 χ^2/NDF:15914861.8/42

All: 0.012+/-0.000 χ^2/NDF: 29220392.9/81


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: -0.076+/-0.140 χ²/NDF: 12.5/15
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: -0.029+/-0.096 χ²/NDF: 48.3/34
In: -0.103+/-0.105 χ²/NDF:42.6/38
Out: -0.014+/-0.102 χ²/NDF:65.8/42
All: -0.057+/-0.073 χ²/NDF: 108.8/81



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

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

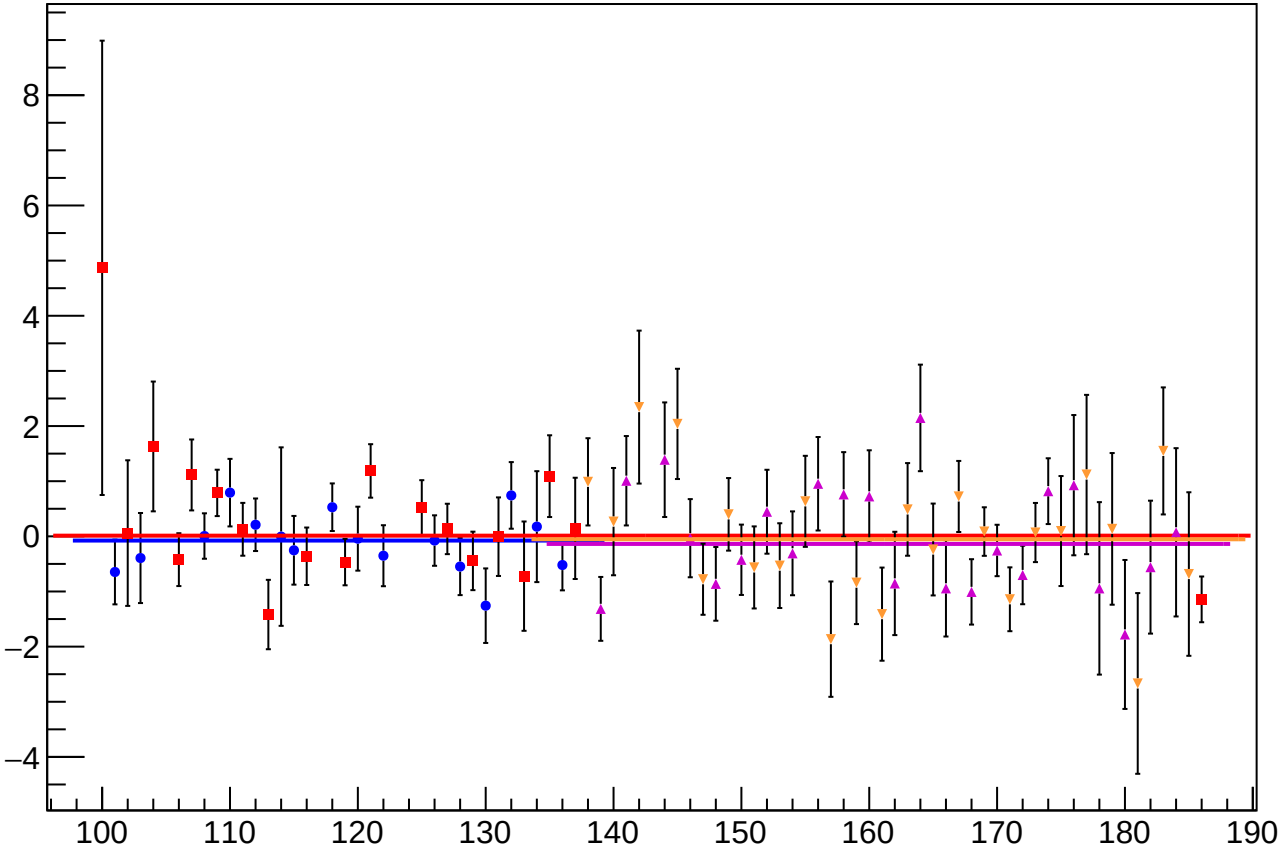
Right: 341.944+/-0.068 χ^2/NDF: 2111407.0/34

In: 481.206+/-0.074 χ^2/NDF:7063963.7/38

Out: 458.295+/-0.072 χ^2/NDF:9289925.0/42

All: 469.412+/-0.052 χ^2/NDF: 16403186.2/81

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.053+/-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

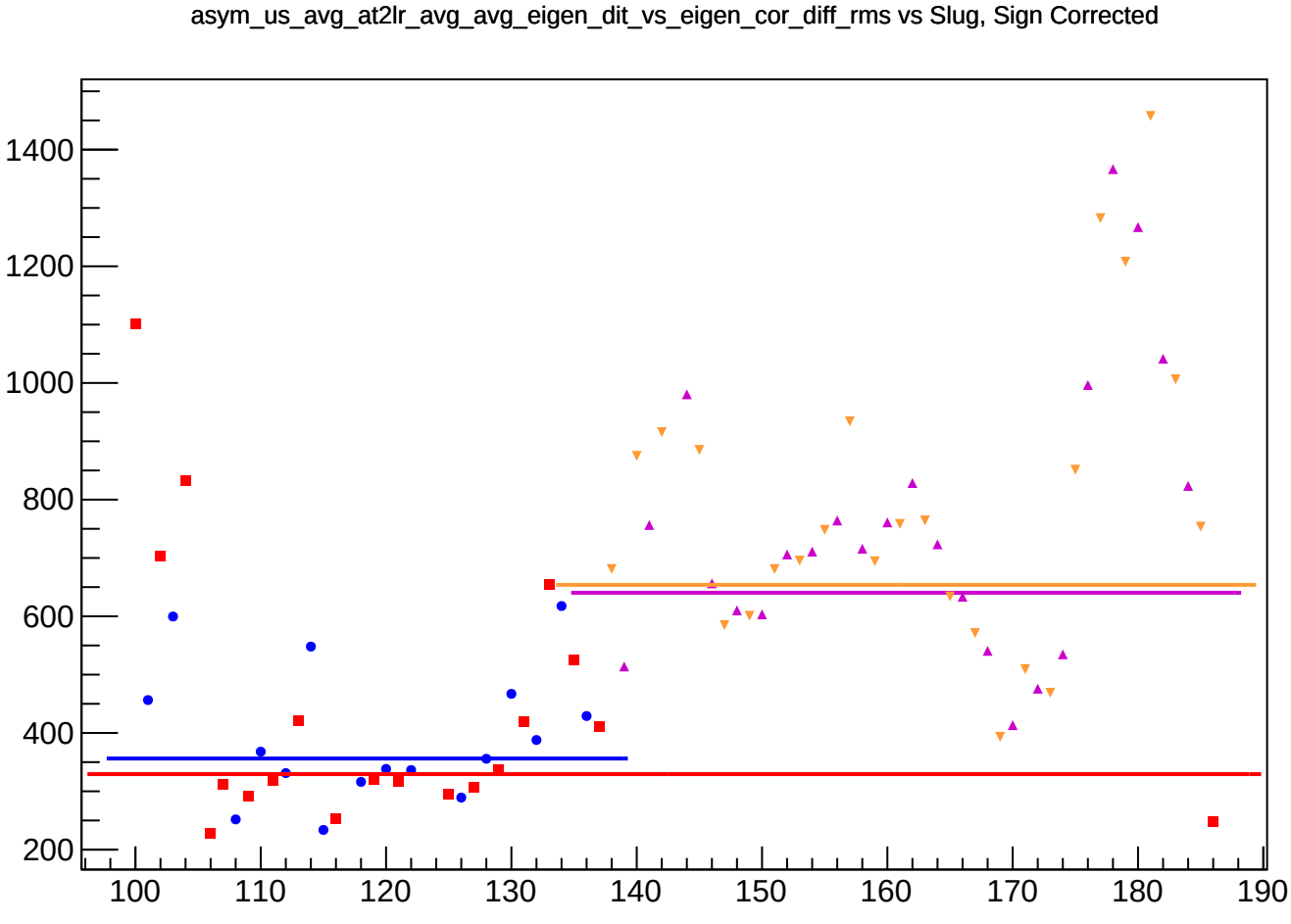
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.029+/-0.096 χ^2/NDF: 48.3/34

In: -0.103+/-0.105 χ^2/NDF:42.6/38

Out: -0.014+/-0.102 χ^2/NDF:65.8/42

All: -0.057+/-0.073 χ^2/NDF: 108.8/81


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1400
1200
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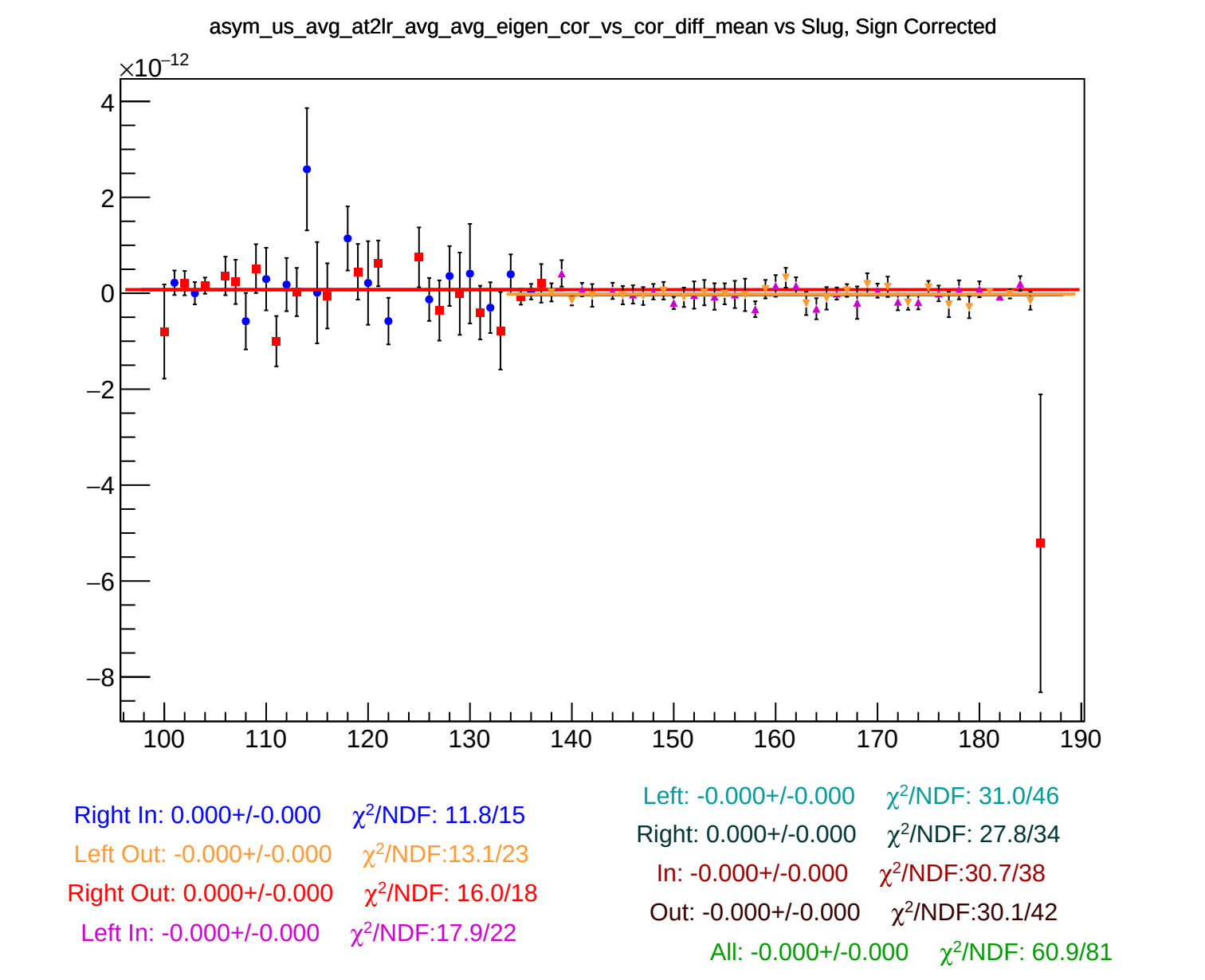
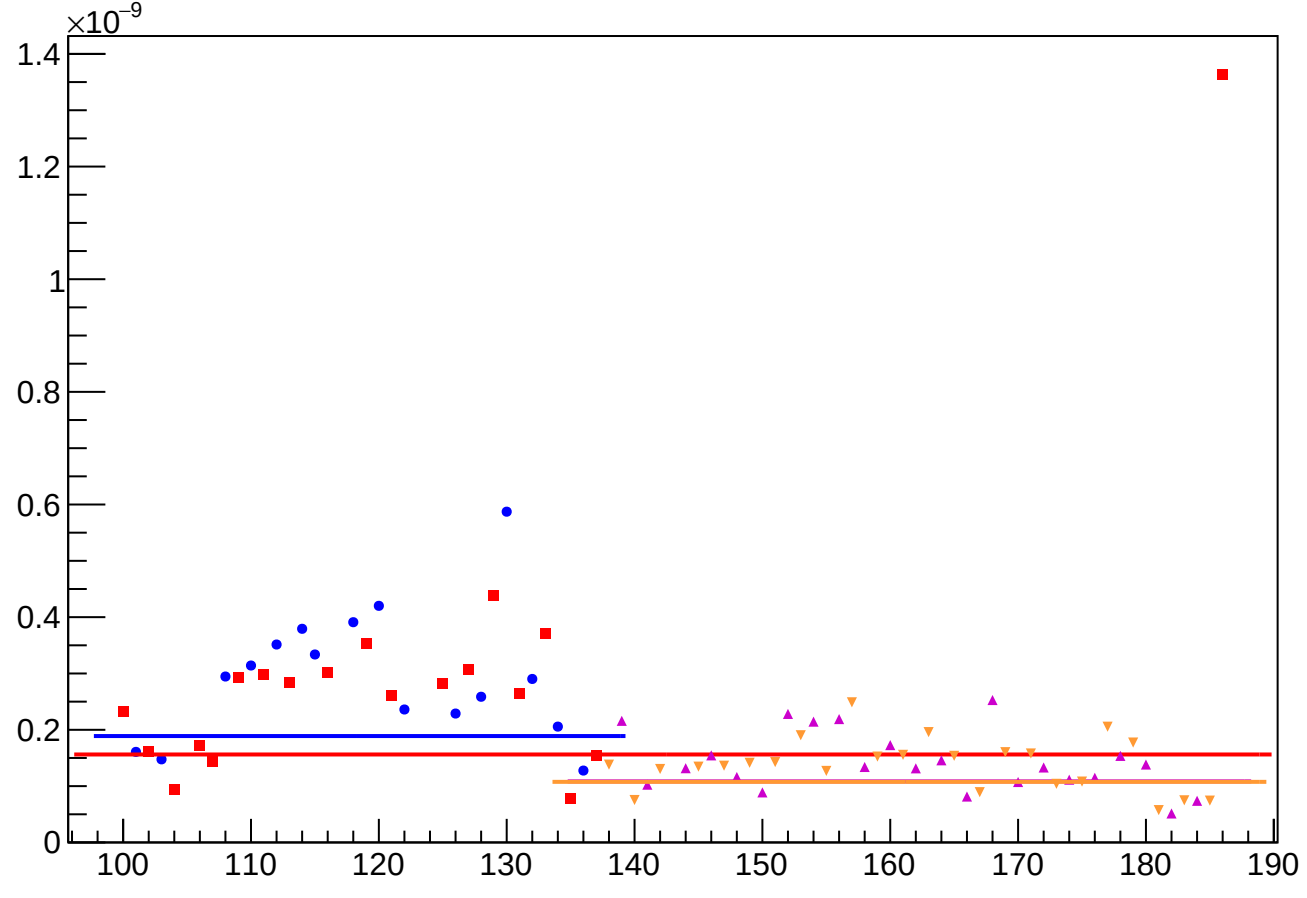
200
100
110
120
130
140
150
160
170
180
190
Right In: 356.188+/-0.099 χ²/NDF: 785072.9/15
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 329.471+/-0.093 χ²/NDF: 1287444.3/18
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
Left: 647.016+/-0.080 χ²/NDF: 5780002.9/46
Right: 341.944+/-0.068 χ²/NDF: 2111407.0/34
In: 481.206+/-0.074 χ²/NDF:7063963.7/38
Out: 458.295+/-0.072 χ²/NDF:9289925.0/42
All: 469.412+/-0.052 χ²/NDF: 16403186.2/81


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: 11.8/15
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: 27.8/34
In: -0.000+/-0.000 χ²/NDF:30.7/38
Out: -0.000+/-0.000 χ²/NDF:30.1/42
All: -0.000+/-0.000 χ²/NDF: 60.9/81

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

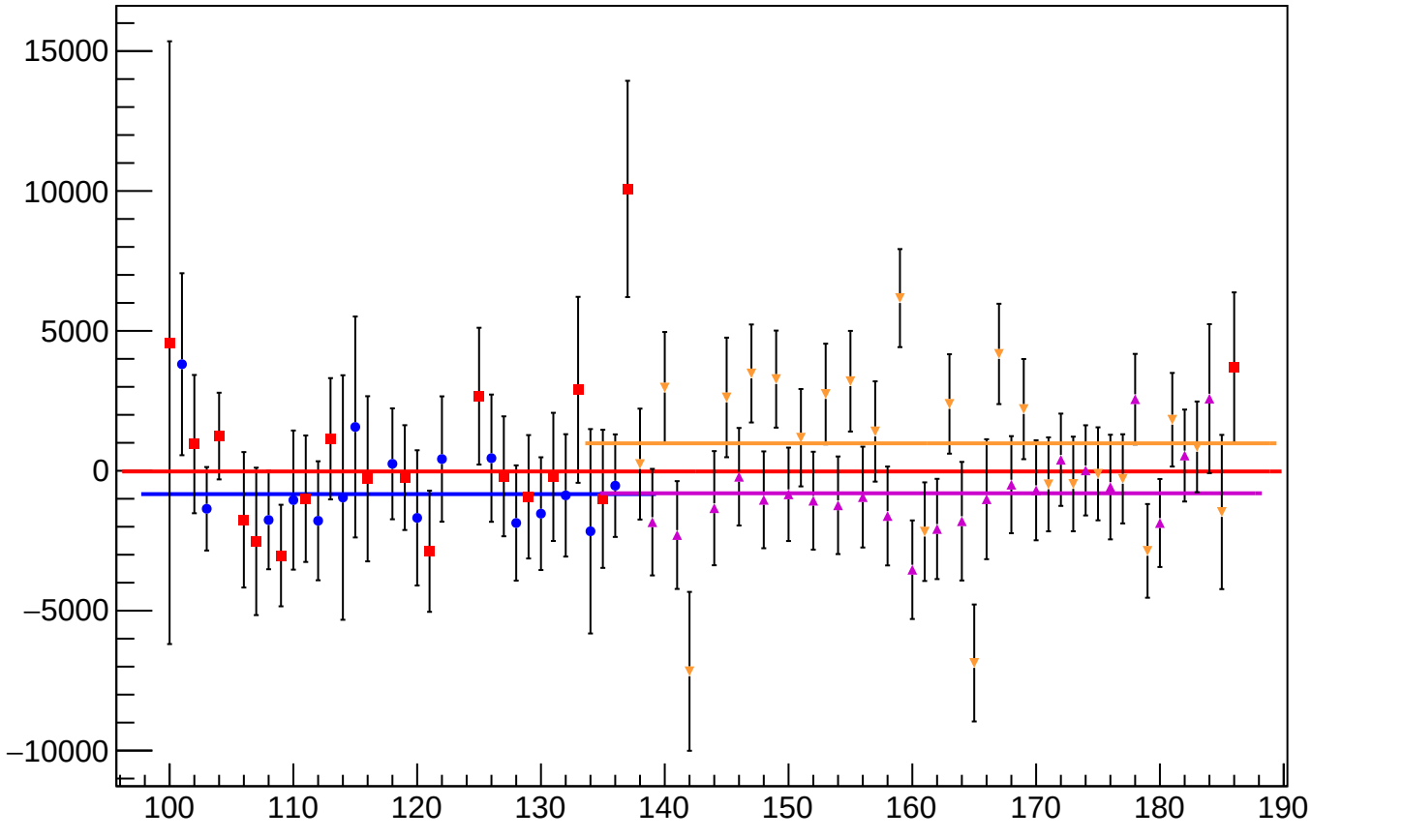
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4153160.1/34

In: 0.000+/-0.000 χ^2/NDF:6636641.3/38

Out: 0.000+/-0.000 χ^2/NDF:6518124.0/42

All: 0.000+/-0.000 χ^2/NDF: 13164253.7/81



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

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

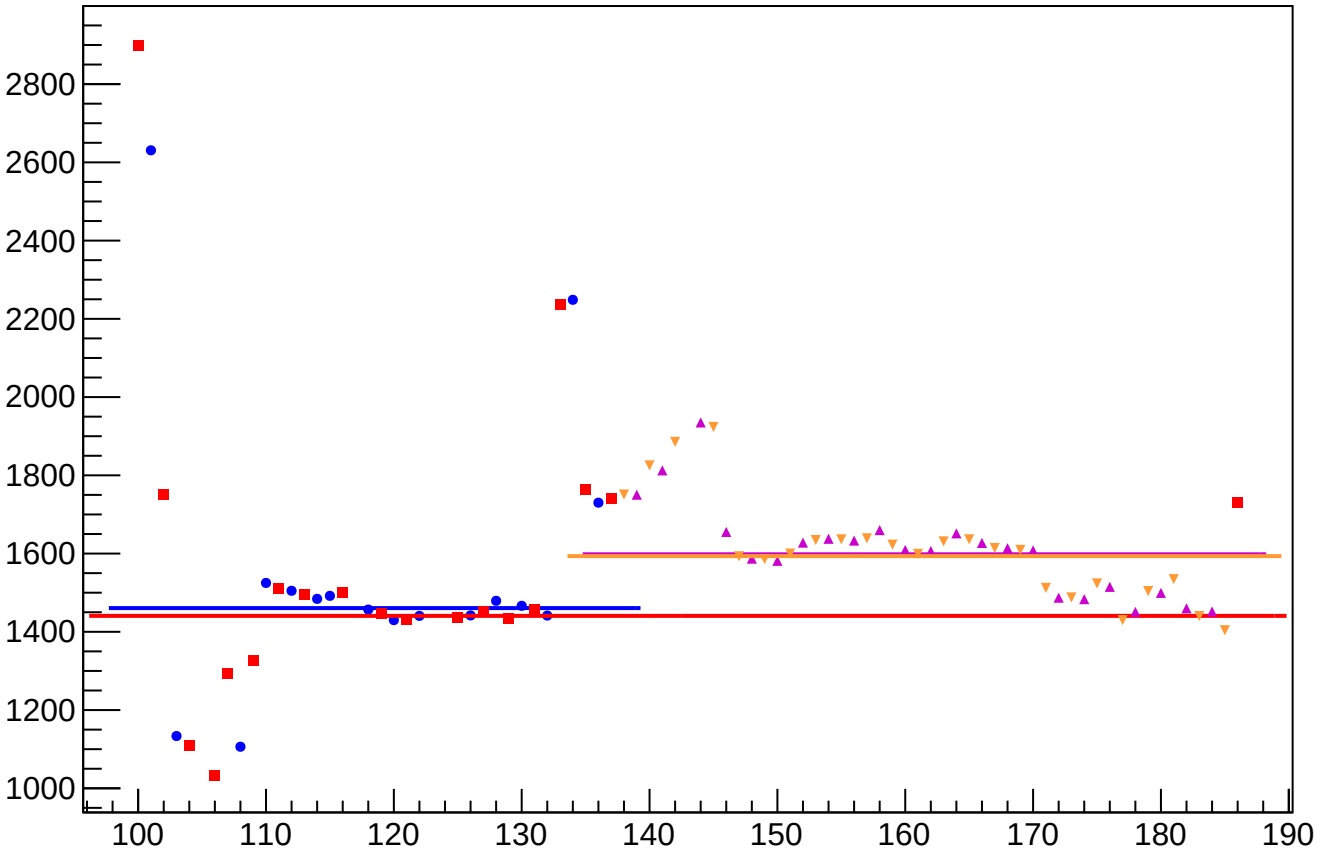
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -415.489+/-385.791 χ^2/NDF: 24.1/34

In: -813.149+/-310.160 χ^2/NDF:17.0/38

Out: 656.660+/-305.113 χ^2/NDF:76.4/42

All: -66.190+/-217.510 χ^2/NDF: 104.8/81



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

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

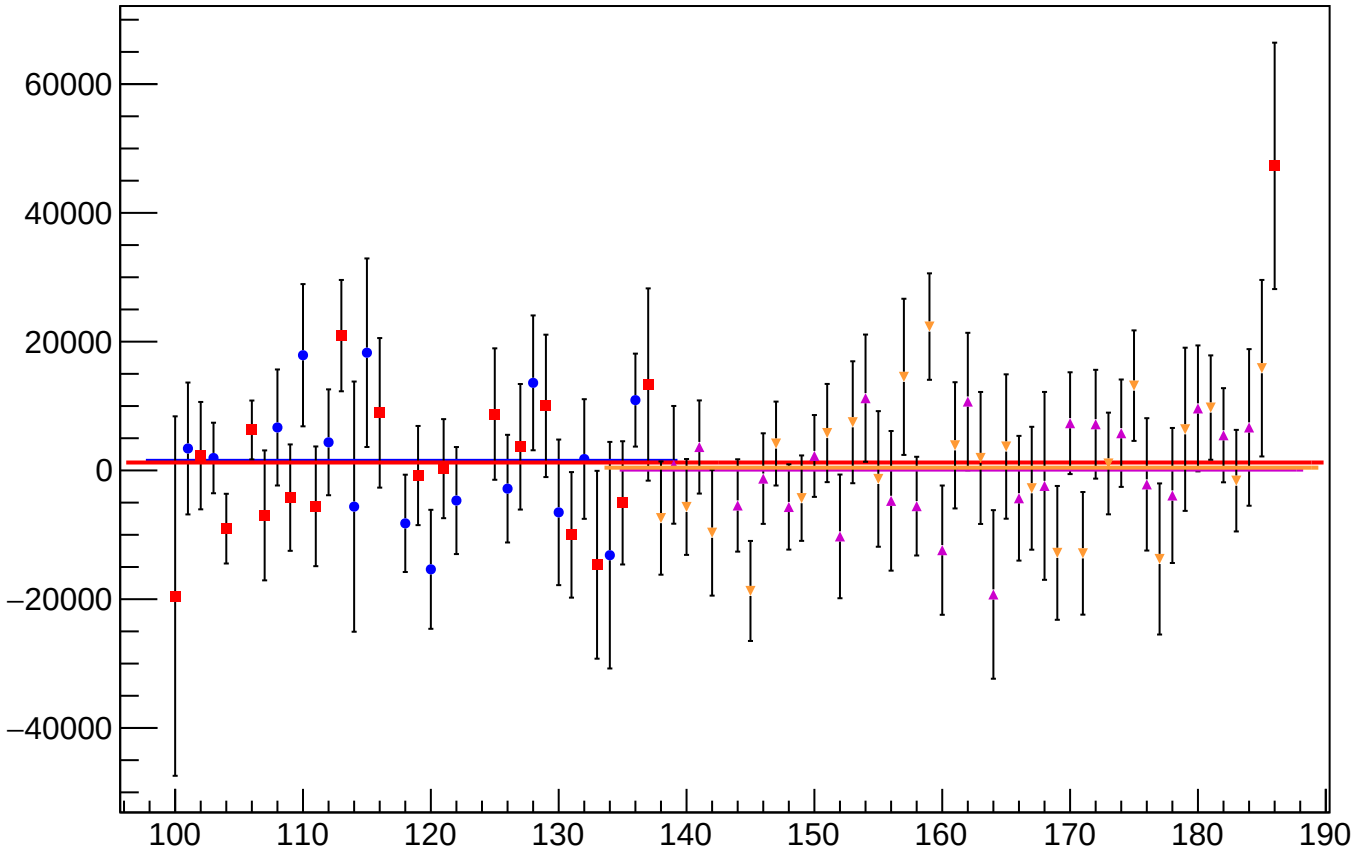
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1450.308+/-0.272 χ^2/NDF: 1012409.4/34

In: 1555.161+/-0.219 χ^2/NDF:829298.4/38

Out: 1543.666+/-0.215 χ^2/NDF:733591.2/42

All: 1549.306+/-0.154 χ^2/NDF: 1564289.0/81



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

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

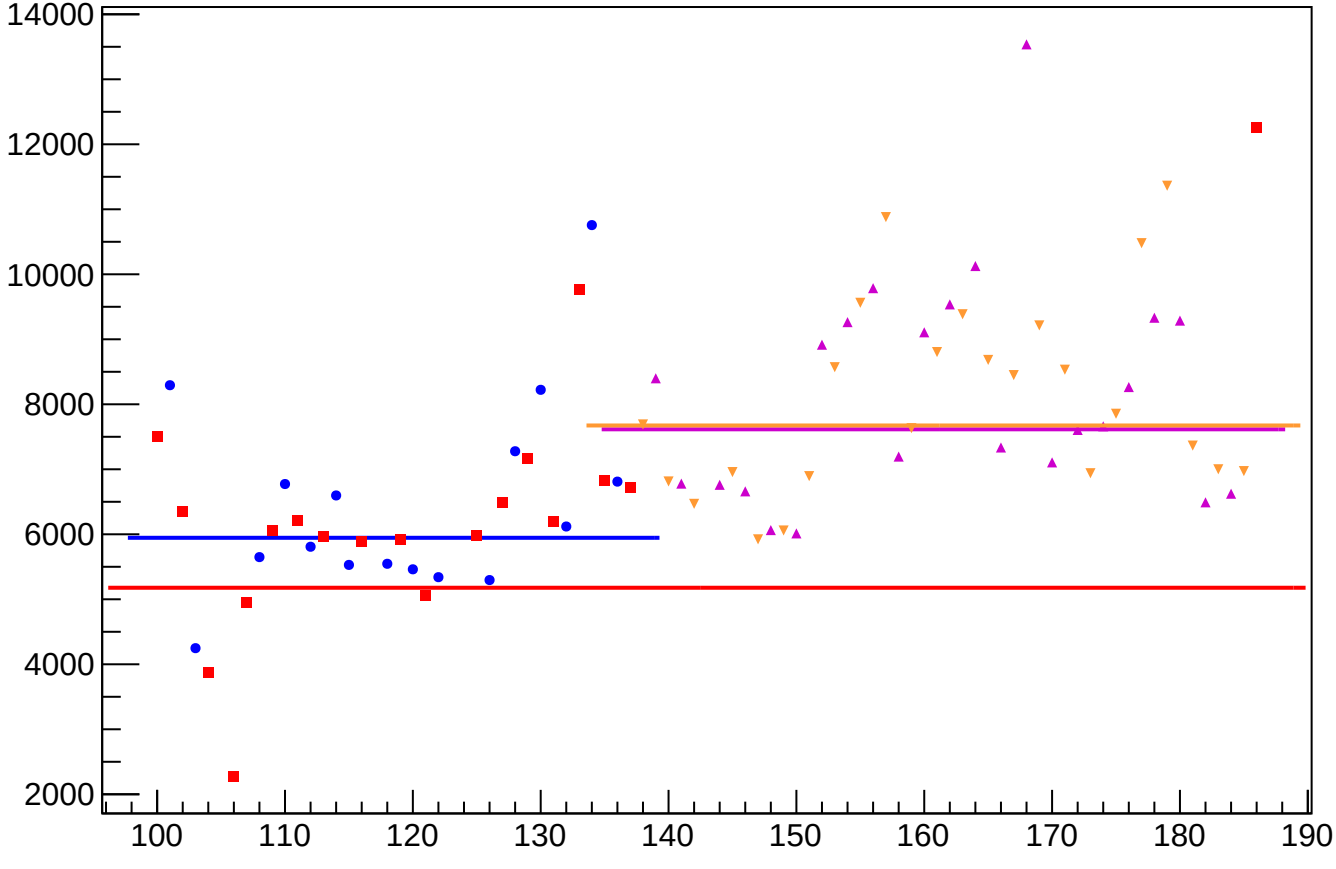
Right: 1342.274+/-1500.295 χ^2/NDF: 37.6/34

In: 657.663+/-1417.020 χ^2/NDF:28.3/38

Out: 790.148+/-1346.195 χ^2/NDF:52.9/42

All: 727.299+/-975.982 χ^2/NDF: 81.1/81

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 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

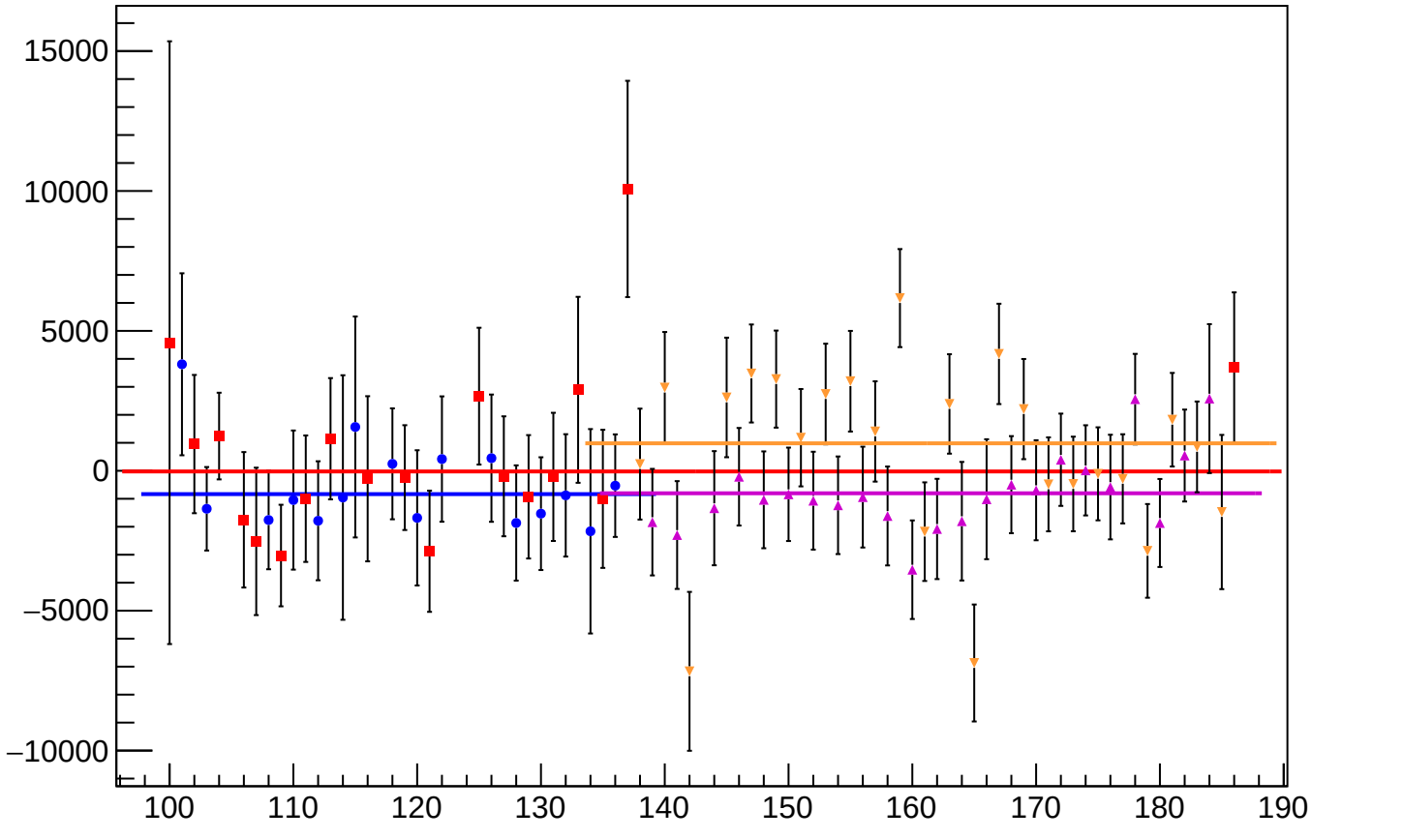
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5513.847+/-1.061 χ^2/NDF: 2527061.3/34

In: 6963.520+/-1.002 χ^2/NDF:2525844.2/38

Out: 6543.598+/-0.952 χ^2/NDF:4537739.1/42

All: 6742.803+/-0.690 χ^2/NDF: 7155900.1/81



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

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

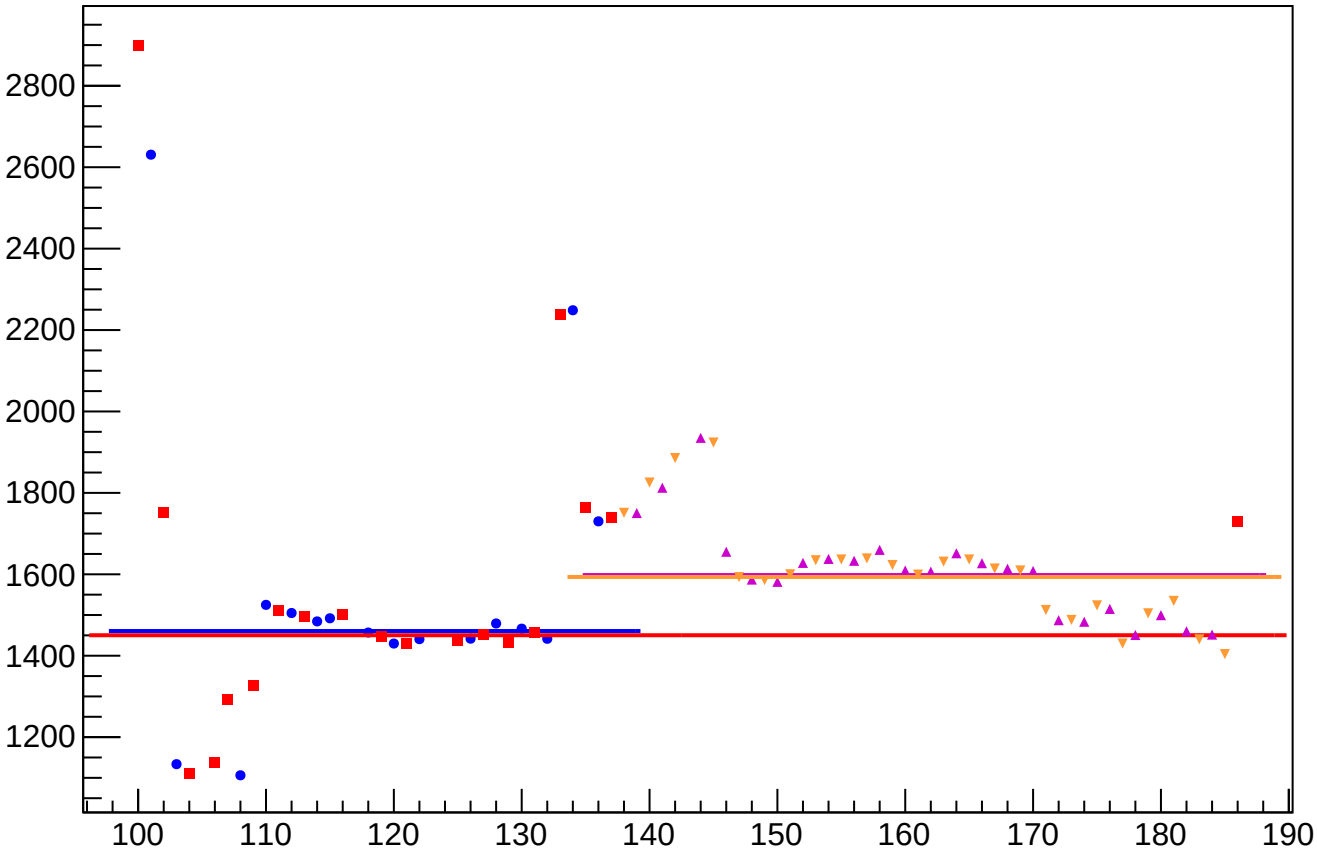
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -415.446+/-385.791 χ^2/NDF: 24.1/34

In: -813.083+/-310.160 χ^2/NDF:17.0/38

Out: 656.763+/-305.113 χ^2/NDF:76.4/42

All: -66.105+/-217.510 χ^2/NDF: 104.8/81



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

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

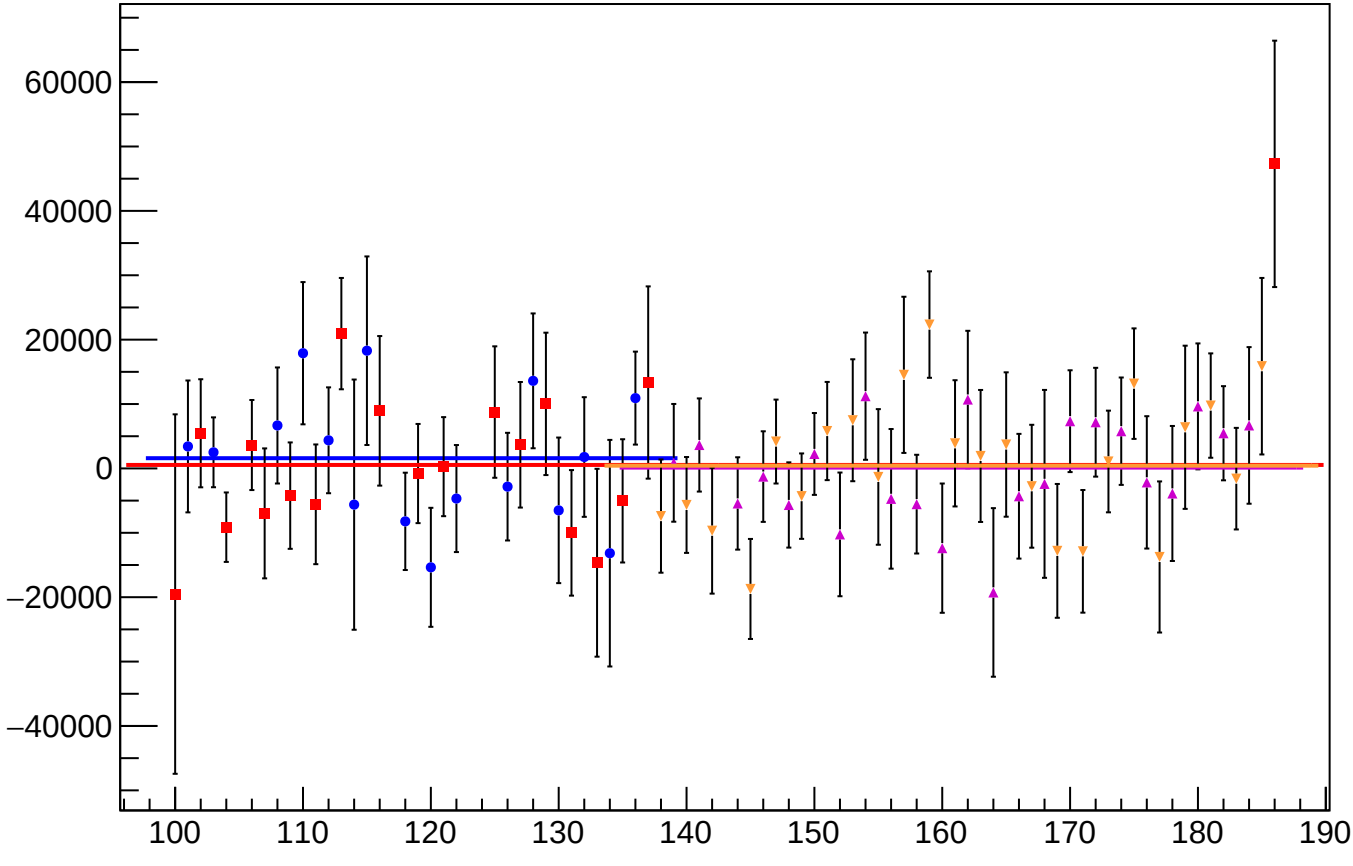
Right: 1455.301+/-0.272 χ^2/NDF: 971977.8/34

In: 1555.161+/-0.219 χ^2/NDF:829298.8/38

Out: 1547.090+/-0.216 χ^2/NDF:680087.5/42

All: 1551.057+/-0.154 χ^2/NDF: 1510075.0/81

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

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

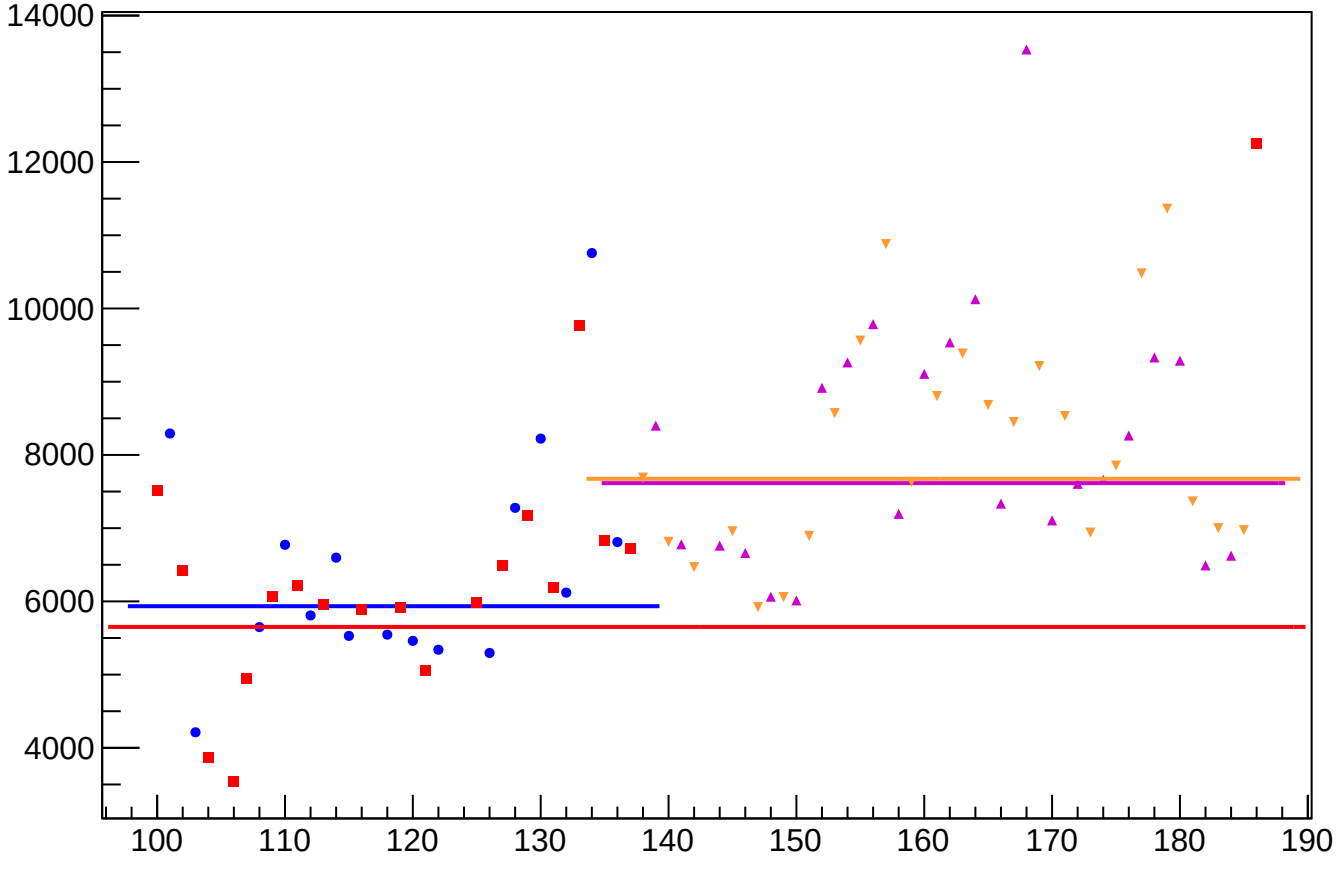
Right: 1030.069+/-1547.518 χ^2/NDF: 36.8/34

In: 698.334+/-1416.099 χ^2/NDF:28.3/38

Out: 474.957+/-1380.849 χ^2/NDF:51.9/42

All: 583.831+/-988.635 χ^2/NDF: 80.2/81

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 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

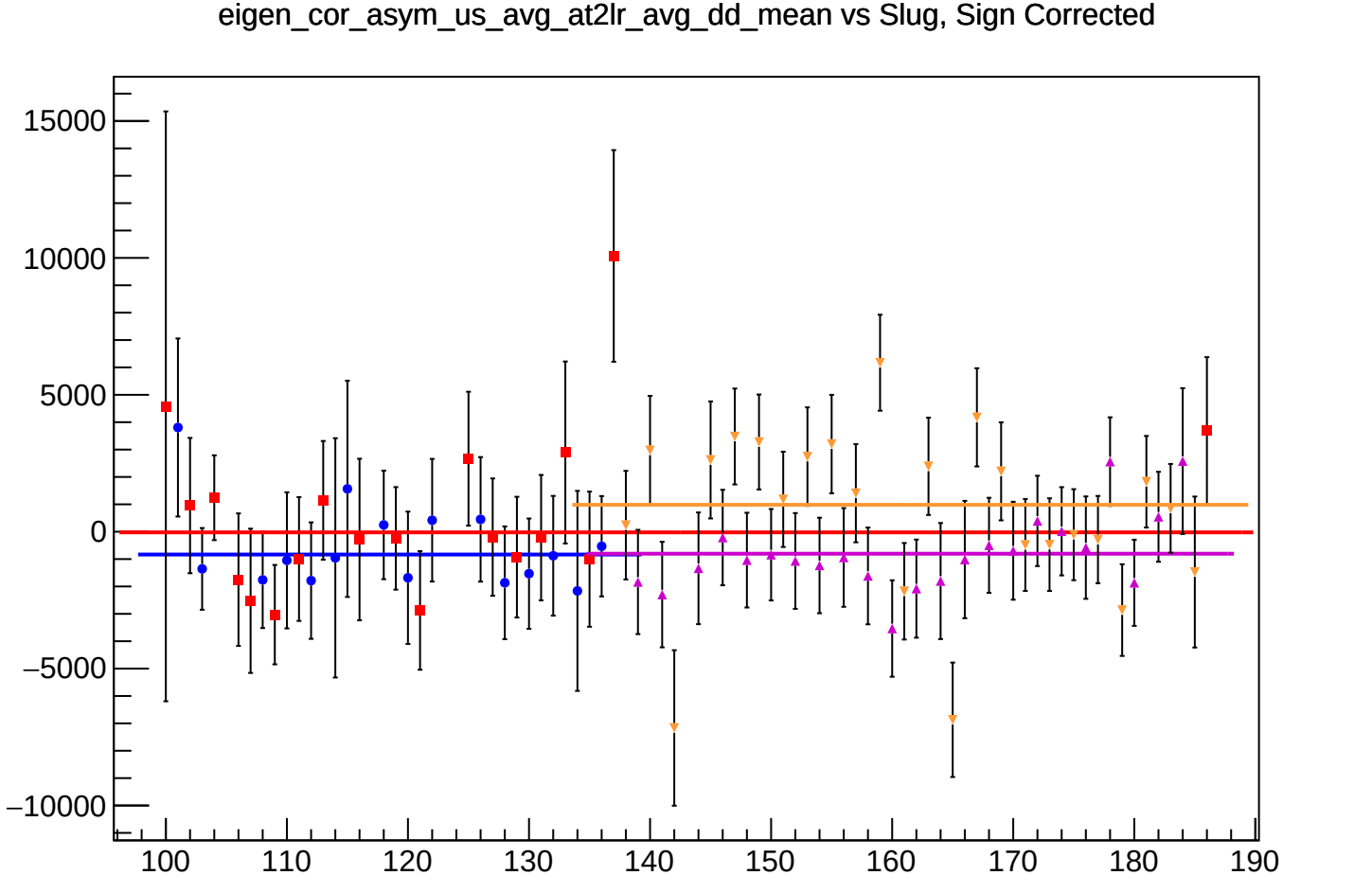
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

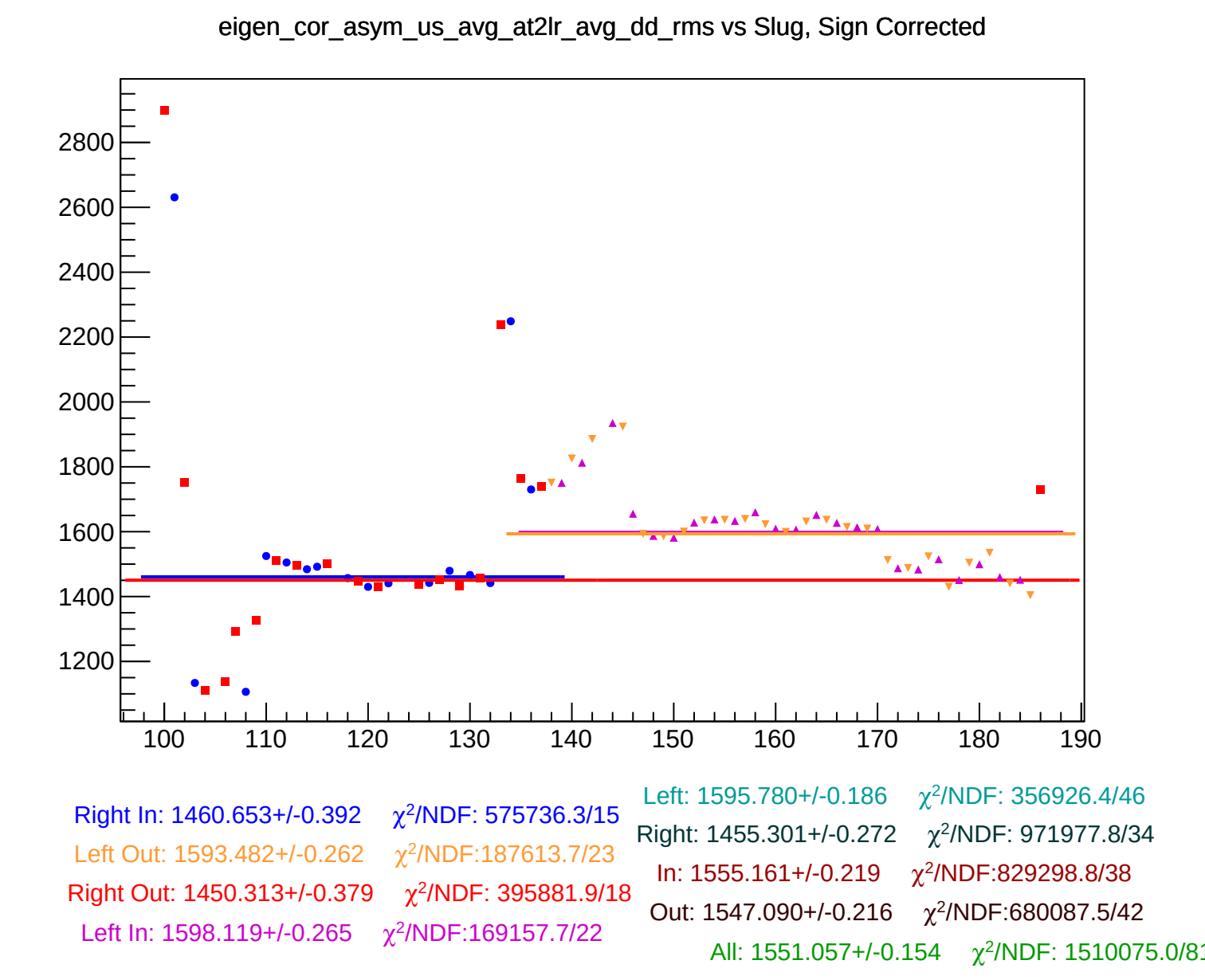
Right: 5783.624+/-1.094 χ^2/NDF: 1634664.3/34

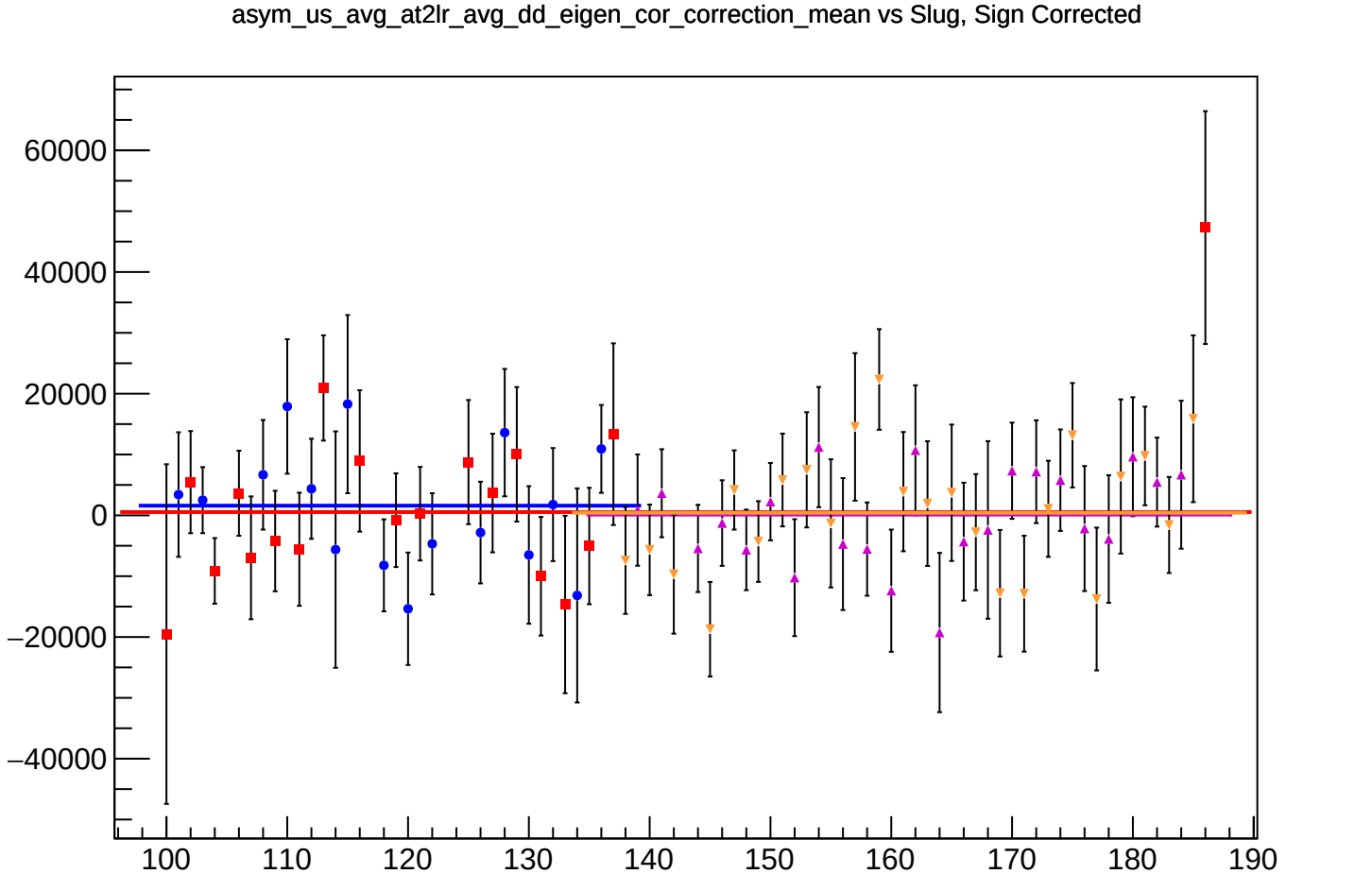
In: 6957.550+/-1.001 χ^2/NDF:2548577.3/38

Out: 6815.973+/-0.976 χ^2/NDF:3089672.9/42

All: 6884.977+/-0.699 χ^2/NDF: 5648497.6/81


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -24.091+/-536.797 χ²/NDF: 18.4/18
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -415.446+/-385.791 χ²/NDF: 24.1/34
In: -813.083+/-310.160 χ²/NDF:17.0/38
Out: 656.763+/-305.113 χ²/NDF:76.4/42
All: -66.105+/-217.510 χ²/NDF: 104.8/81


eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
190
Right In: 1460.653+/-0.392 χ²/NDF: 575736.3/15
Left Out: 1593.482+/-0.262 χ²/NDF:187613.7/23
Right Out: 1450.313+/-0.379 χ²/NDF: 395881.9/18
Left In: 1598.119+/-0.265 χ²/NDF:169157.7/22
Left: 1595.780+/-0.186 χ²/NDF: 356926.4/46
Right: 1455.301+/-0.272 χ²/NDF: 971977.8/34
In: 1555.161+/-0.219 χ²/NDF:829298.8/38
Out: 1547.090+/-0.216 χ²/NDF:680087.5/42
All: 1551.057+/-0.154 χ²/NDF: 1510075.0/81



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

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

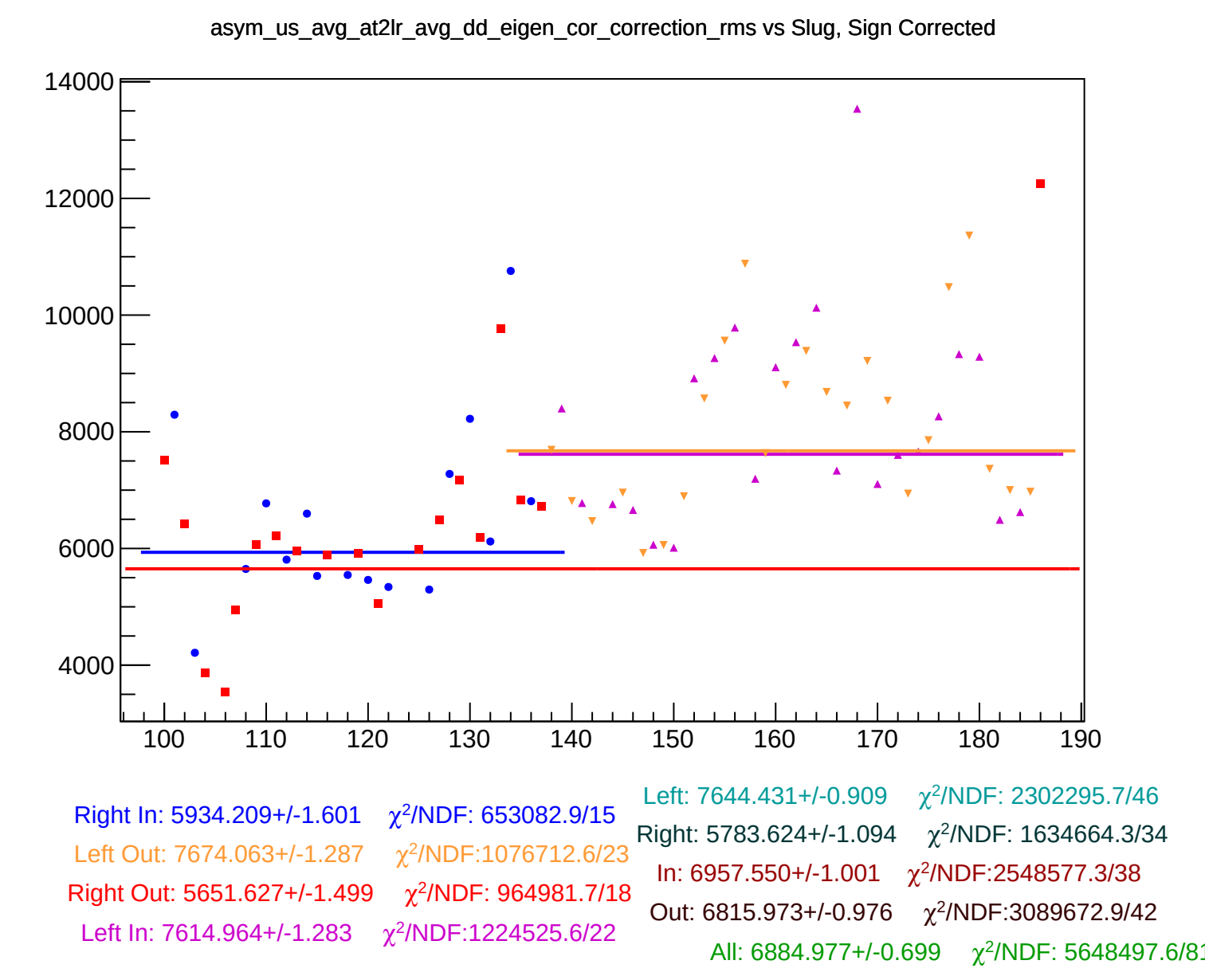
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

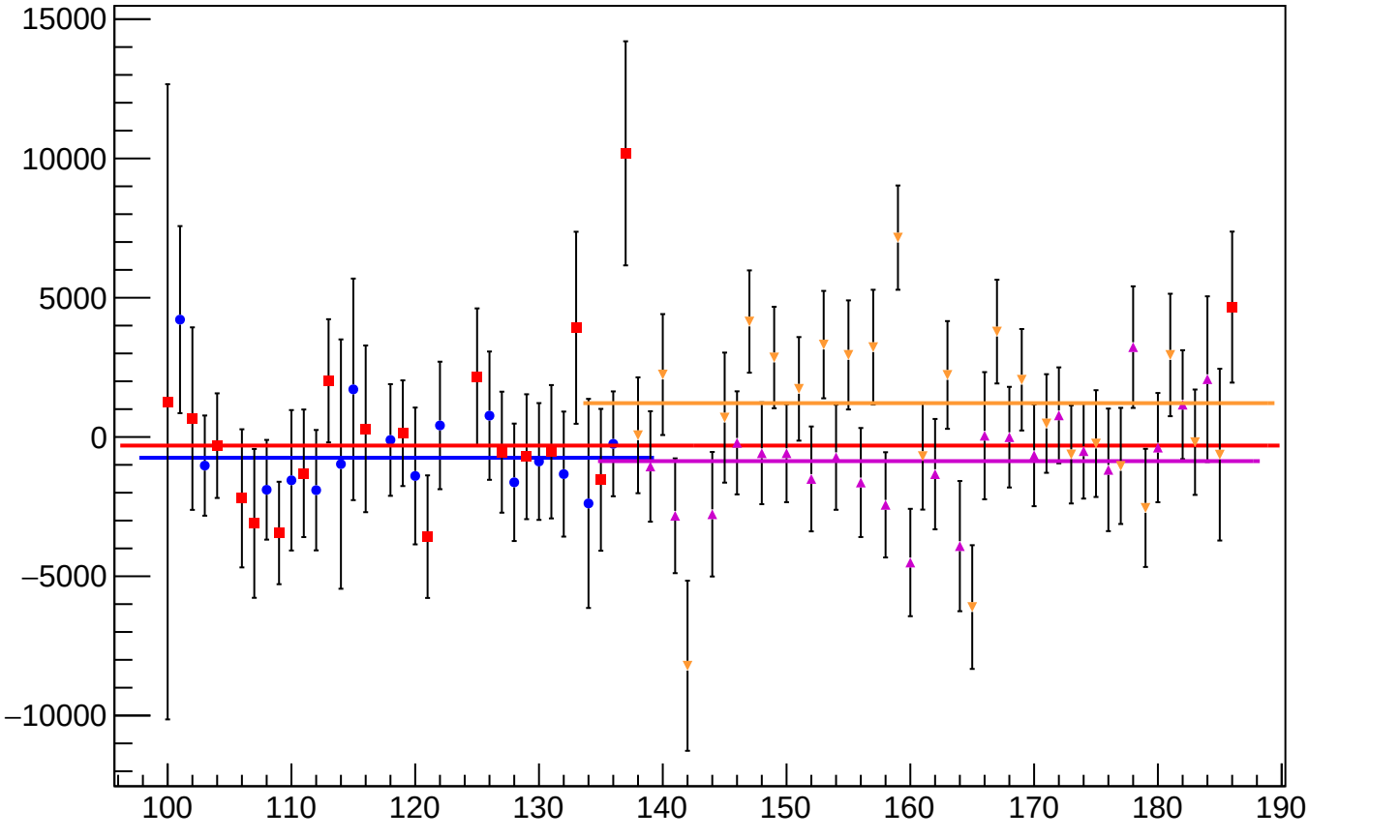
Right: 1030.069+/-1547.518 χ^2/NDF: 36.8/34

In: 698.334+/-1416.099 χ^2/NDF:28.3/38

Out: 474.957+/-1380.849 χ^2/NDF:51.9/42

All: 583.831+/-988.635 χ^2/NDF: 80.2/81


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: 5934.209+/-1.601 χ²/NDF: 653082.9/15
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: 5783.624+/-1.094 χ²/NDF: 1634664.3/34
In: 6957.550+/-1.001 χ²/NDF:2548577.3/38
Out: 6815.973+/-0.976 χ²/NDF:3089672.9/42
All: 6884.977+/-0.699 χ²/NDF: 5648497.6/81



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

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

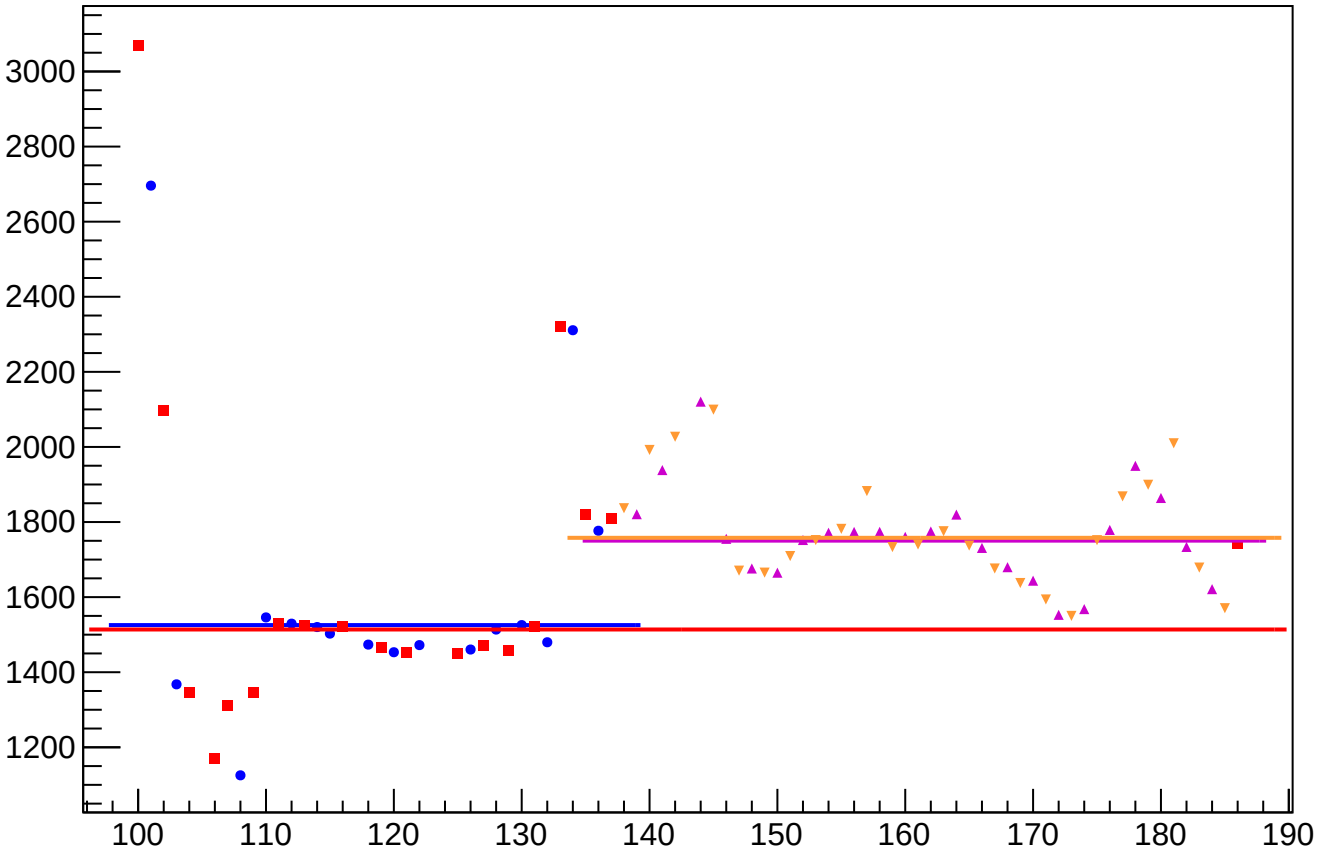
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -520.819+/-403.176 χ^2/NDF: 26.3/34

In: -825.819+/-334.445 χ^2/NDF:19.9/38

Out: 687.776+/-331.127 χ^2/NDF:74.5/42

All: -61.476+/-235.307 χ^2/NDF: 104.7/81



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

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

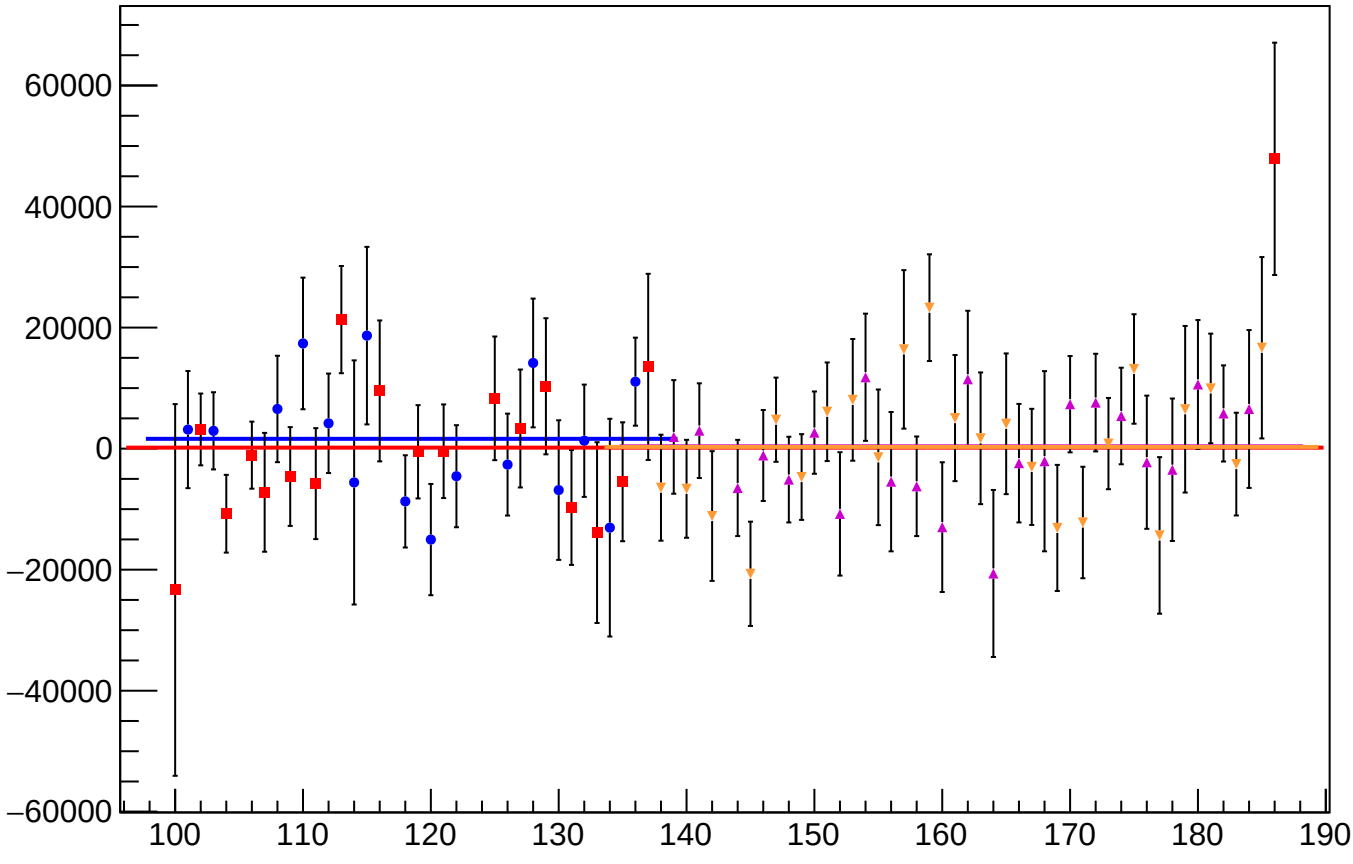
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1519.502+/-0.285 χ^2/NDF: 842335.3/34

In: 1675.184+/-0.236 χ^2/NDF:861686.1/38

Out: 1673.348+/-0.234 χ^2/NDF:813187.4/42

All: 1674.257+/-0.166 χ^2/NDF: 1674903.9/81



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

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

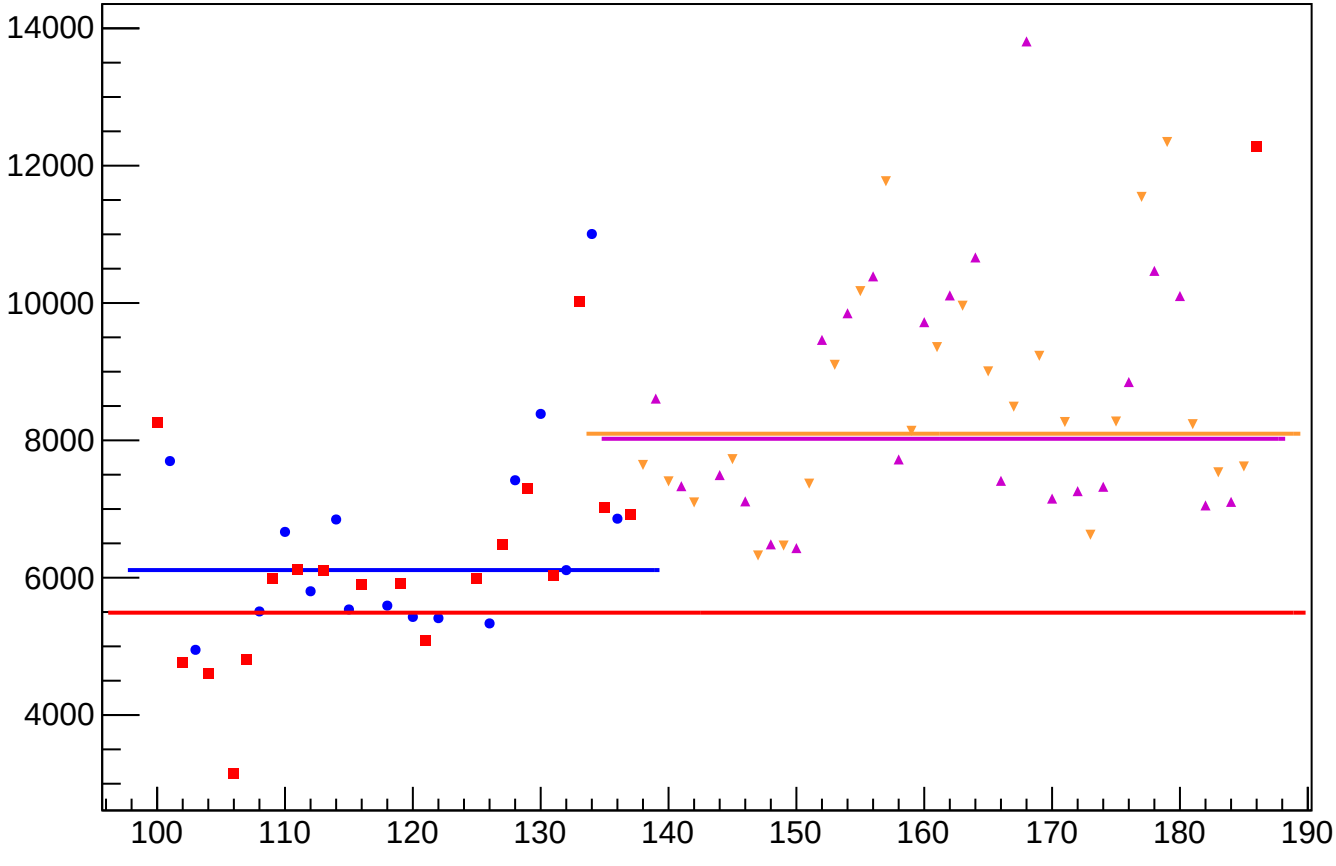
Right: 802.084+/-1535.828 χ^2/NDF: 36.7/34

In: 883.274+/-1475.675 χ^2/NDF:28.0/38

Out: 228.390+/-1401.113 χ^2/NDF:50.9/42

All: 538.870+/-1016.074 χ^2/NDF: 79.0/81

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 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

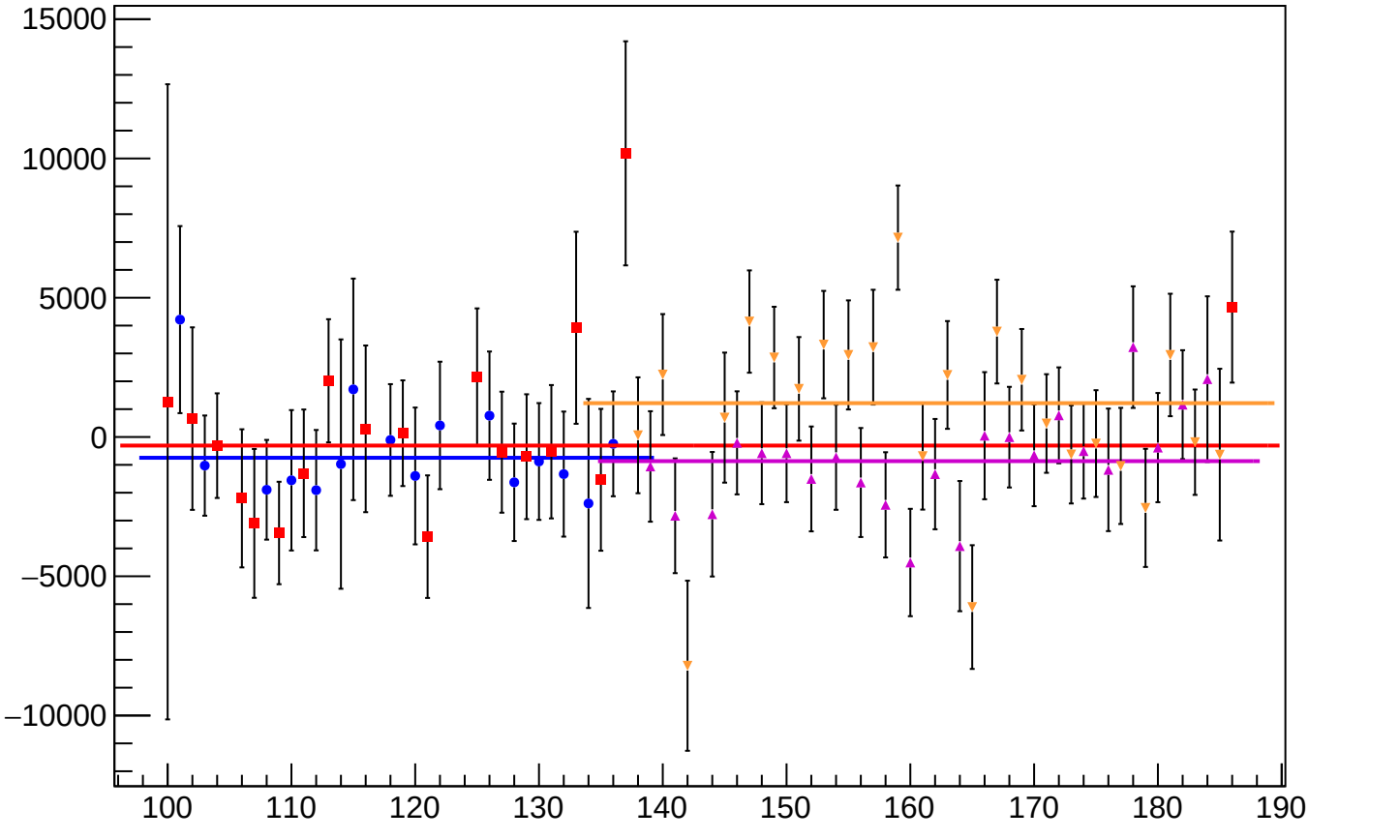
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 5762.487+/-1.086 χ^2/NDF: 1627038.0/34

In: 7249.314+/-1.043 χ^2/NDF:2505761.8/38

Out: 6878.293+/-0.991 χ^2/NDF:3885532.4/42

All: 7054.194+/-0.718 χ^2/NDF: 6457783.1/81



Right In: -745.918+/-578.071 χ^2/NDF: 4.8/15

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

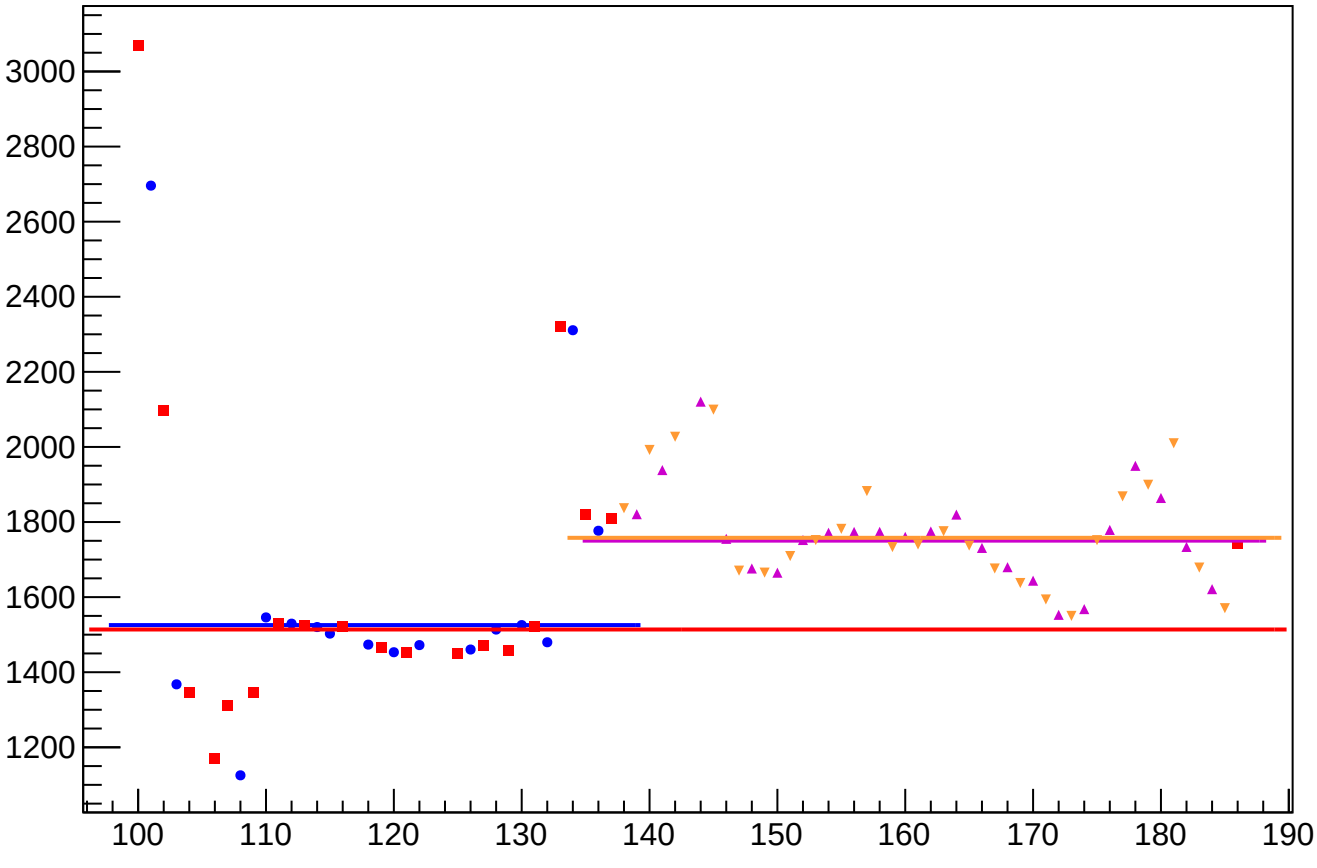
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -520.829+/-403.176 χ^2/NDF: 26.3/34

In: -825.819+/-334.446 χ^2/NDF:19.9/38

Out: 687.775+/-331.128 χ^2/NDF:74.5/42

All: -61.477+/-235.307 χ^2/NDF: 104.7/81



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

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

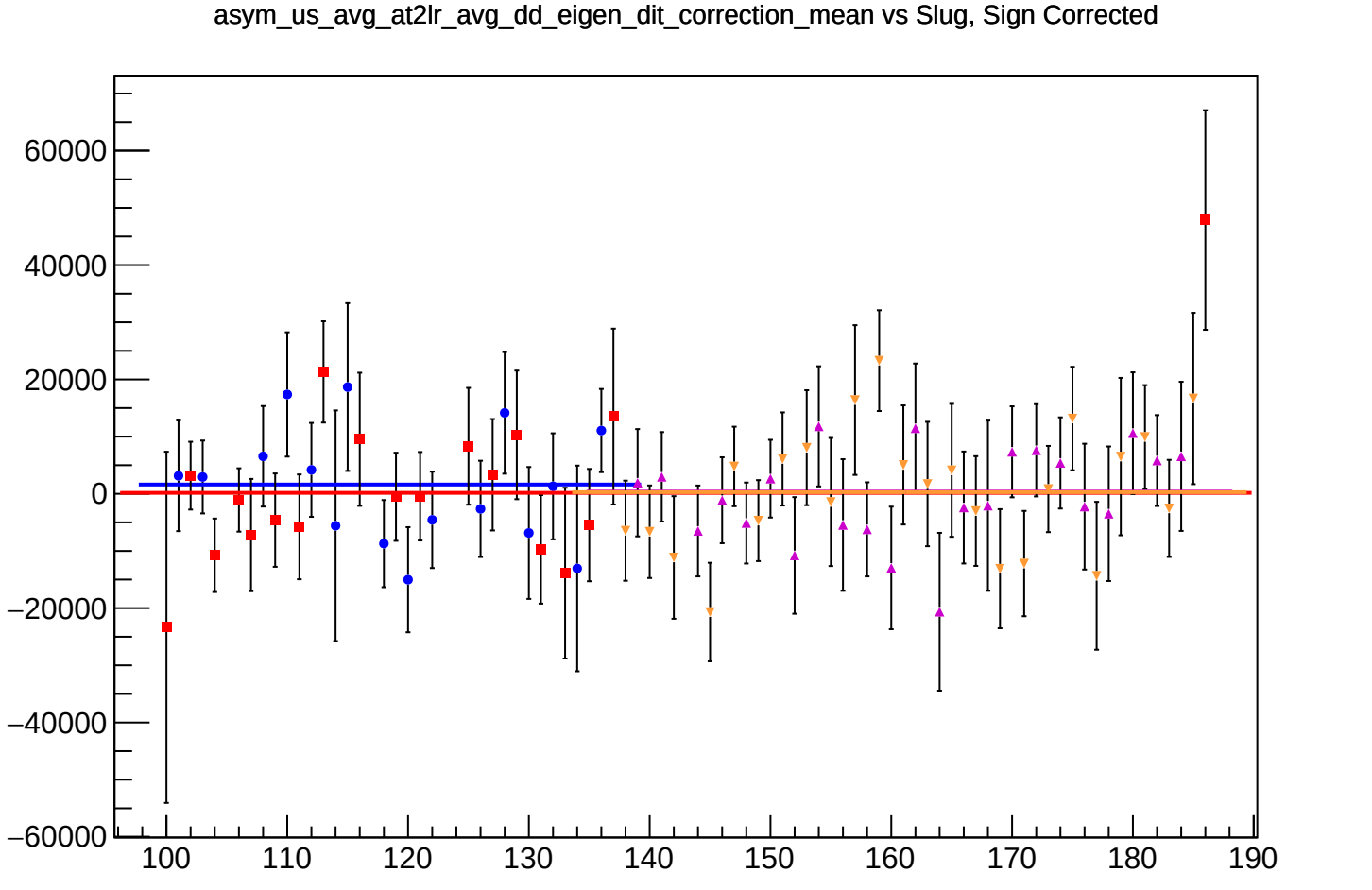
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1519.502+/-0.285 χ^2/NDF: 842335.0/34

In: 1675.185+/-0.236 χ^2/NDF:861698.5/38

Out: 1673.350+/-0.234 χ^2/NDF:813200.7/42

All: 1674.258+/-0.166 χ^2/NDF: 1674929.6/81



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

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

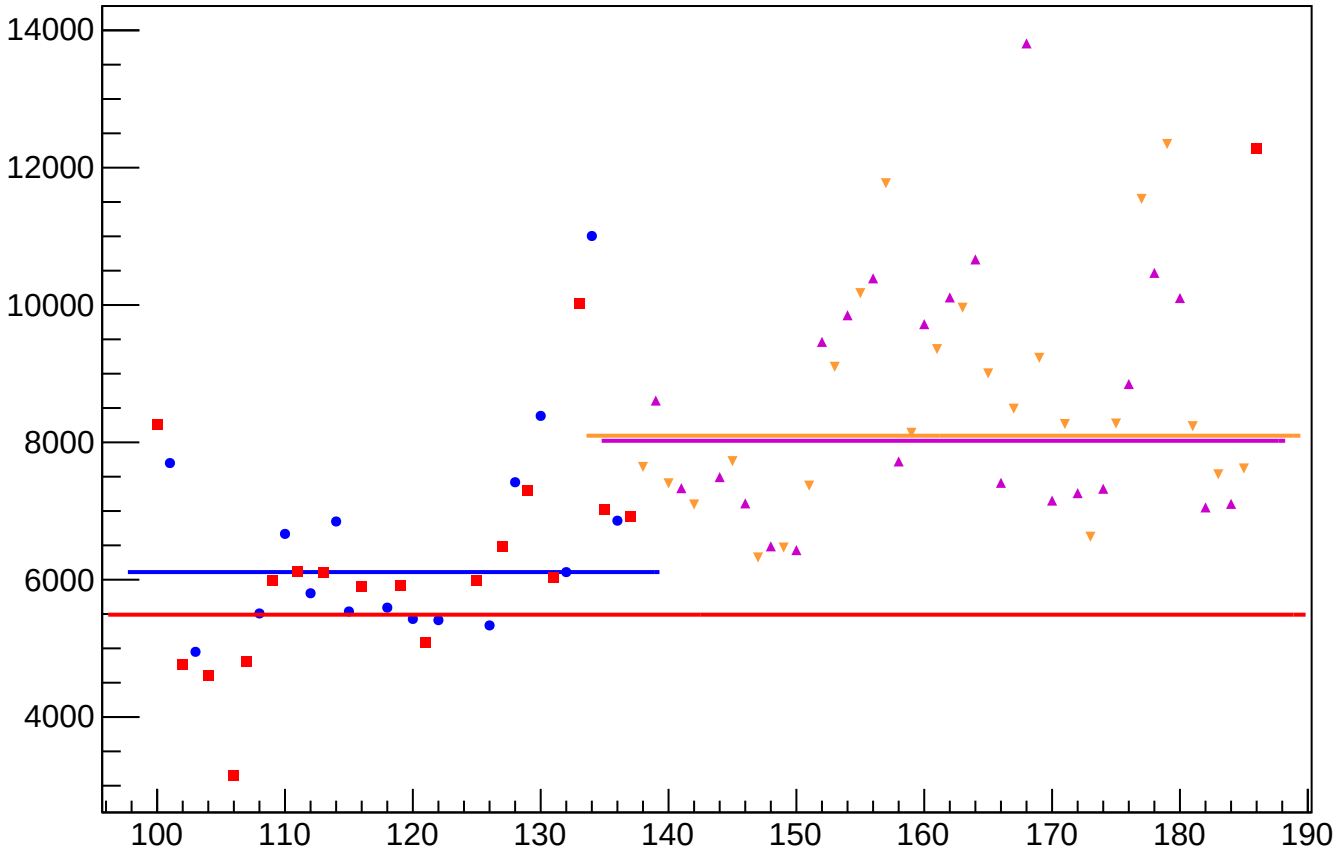
Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

Right: 802.071+/-1535.825 χ^2/NDF: 36.7/34

In: 883.270+/-1475.675 χ^2/NDF:28.0/38

Out: 228.387+/-1401.113 χ^2/NDF:50.9/42

All: 538.866+/-1016.074 χ^2/NDF: 79.0/81



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

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

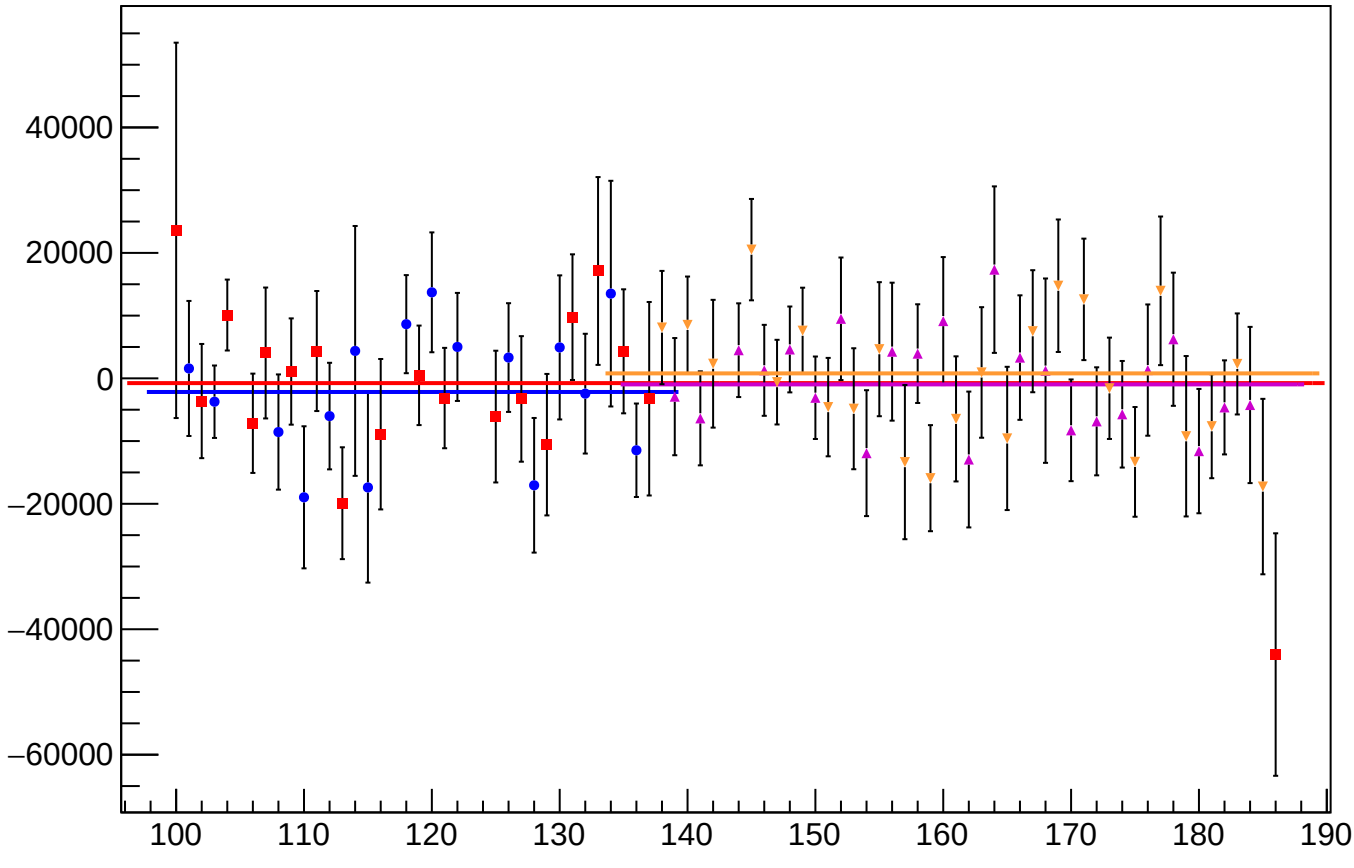
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 5762.475+/-1.086 χ^2/NDF: 1627040.4/34

In: 7249.312+/-1.043 χ^2/NDF:2505790.6/38

Out: 6878.290+/-0.991 χ^2/NDF:3885568.1/42

All: 7054.191+/-0.718 χ^2/NDF: 6457848.2/81



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

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

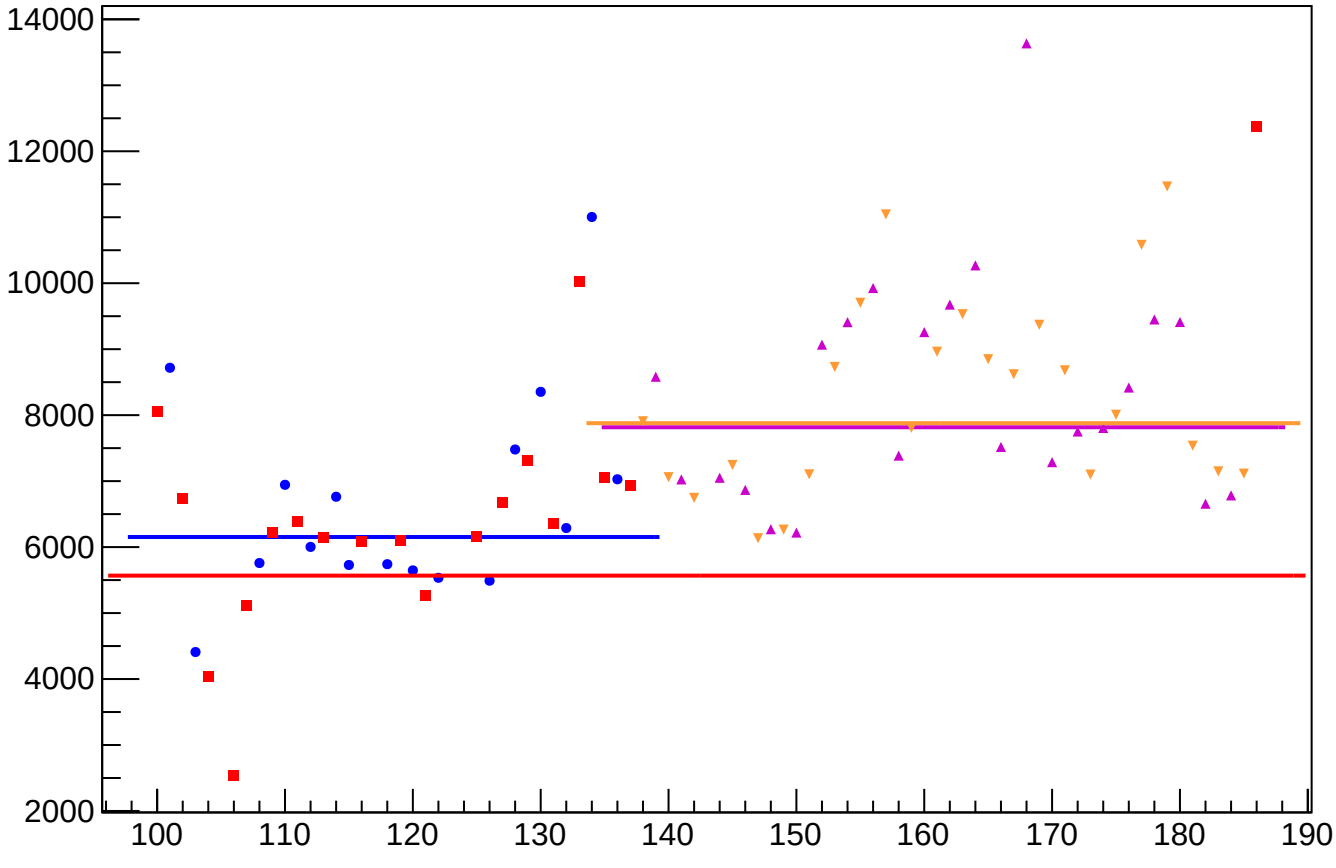
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1425.116+/-1610.797 χ^2/NDF: 34.5/34

In: -1430.596+/-1457.856 χ^2/NDF:27.5/38

Out: 147.874+/-1426.482 χ^2/NDF:47.2/42

All: -624.194+/-1019.587 χ^2/NDF: 75.3/81



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

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

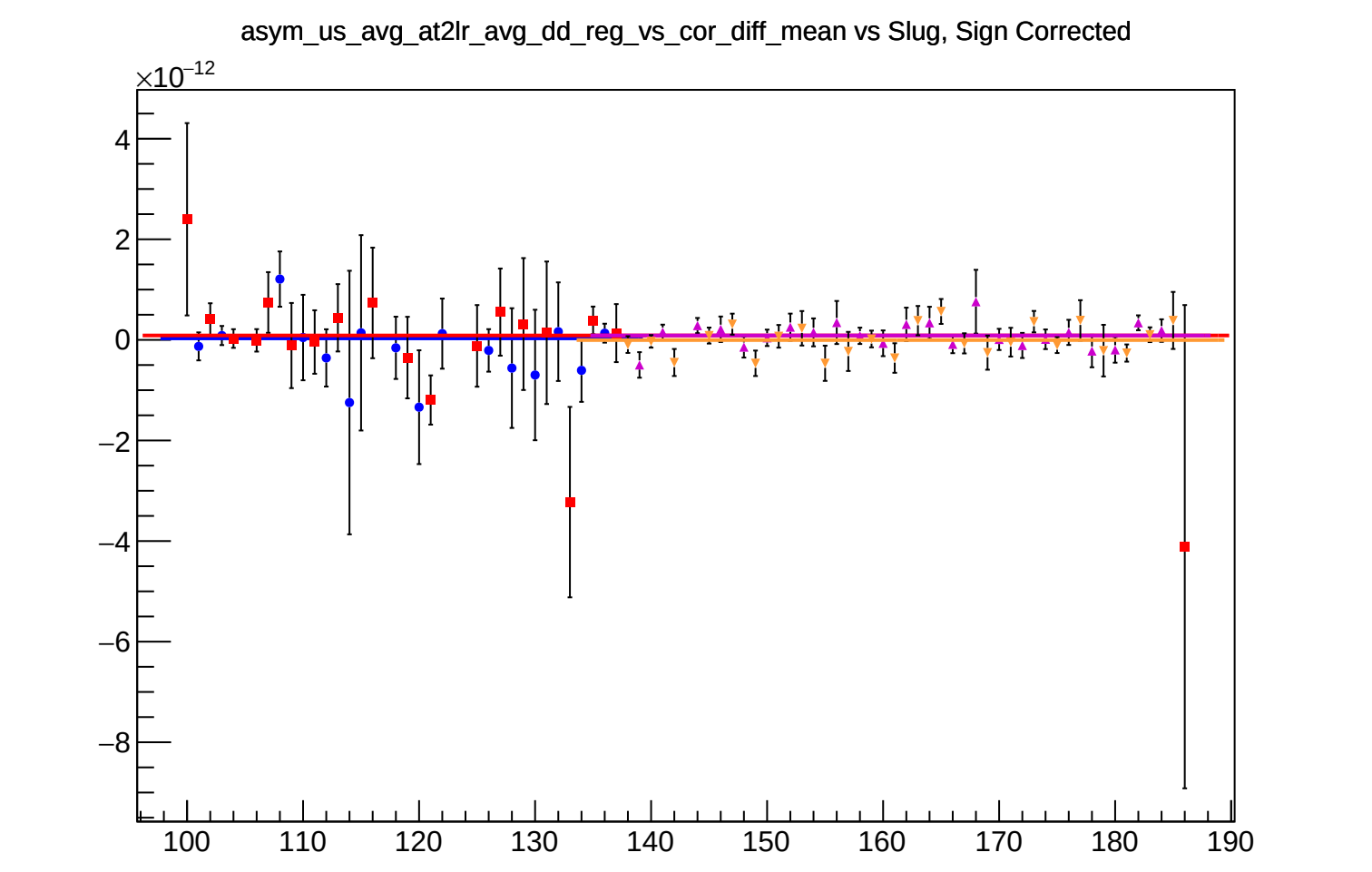
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 5832.500+/-1.117 χ^2/NDF: 2092183.4/34

In: 7174.867+/-1.031 χ^2/NDF:2373529.2/38

Out: 6878.579+/-0.993 χ^2/NDF:3718754.6/42

All: 7021.236+/-0.715 χ^2/NDF: 6135118.8/81



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

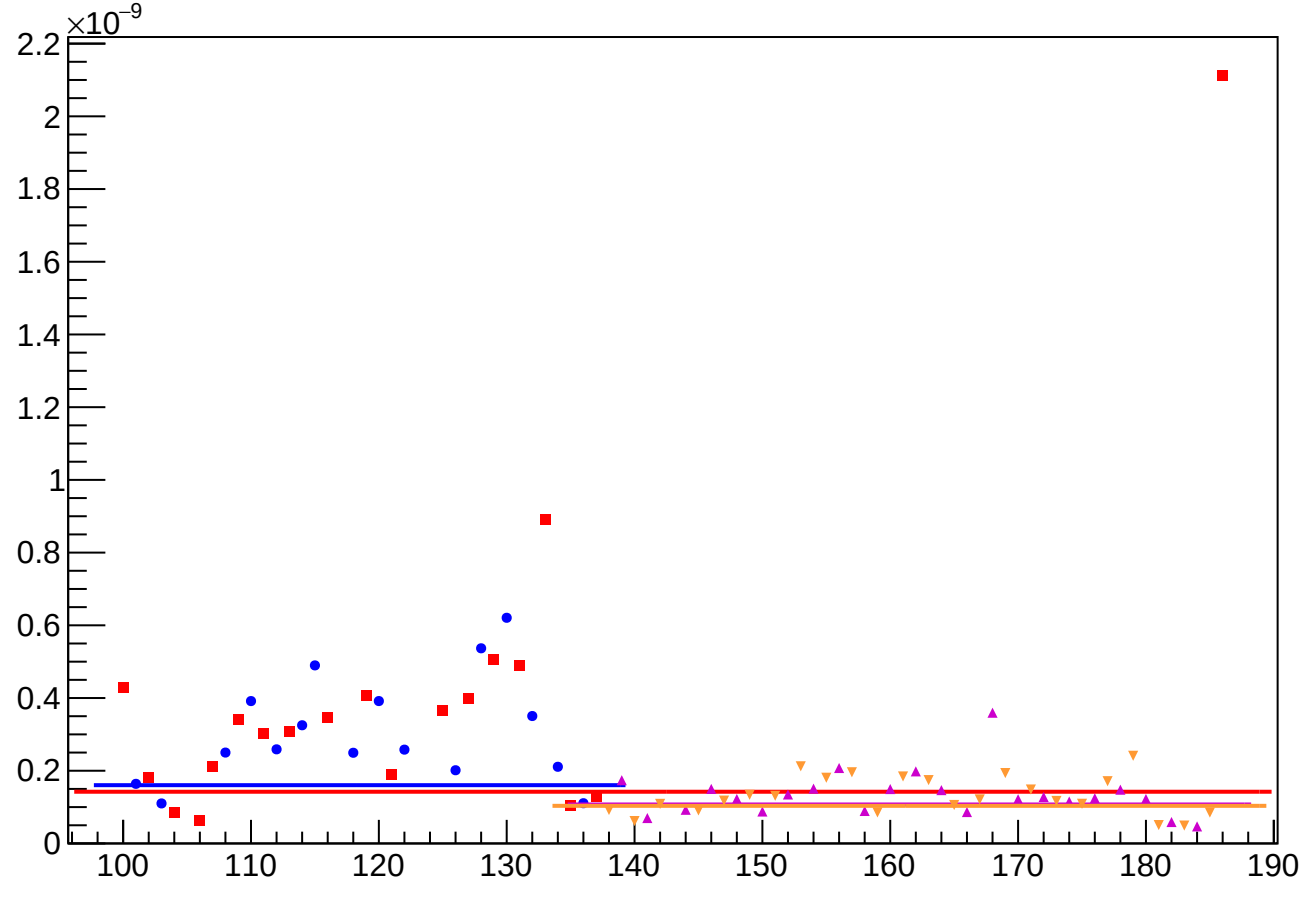
Right: 0.000+/-0.000 χ^2/NDF: 26.9/34

In: 0.000+/-0.000 χ^2/NDF:29.1/38

Out: 0.000+/-0.000 χ^2/NDF:46.5/42

All: 0.000+/-0.000 χ^2/NDF: 77.1/81

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

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

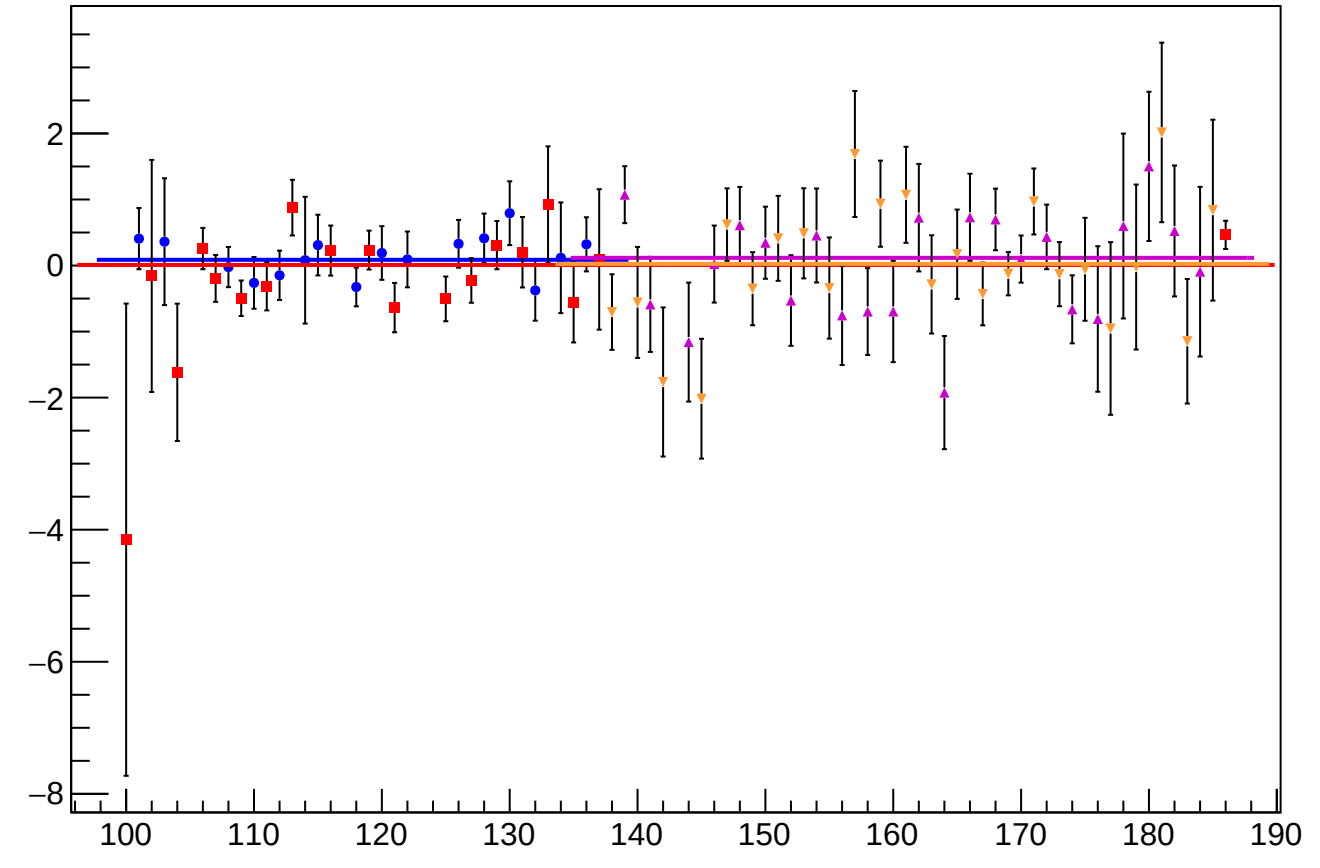
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 3862291.9/34

In: 0.000+/-0.000 χ^2/NDF:3366779.4/38

Out: 0.000+/-0.000 χ^2/NDF:4648272.5/42

All: 0.000+/-0.000 χ^2/NDF: 8037194.2/81



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

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

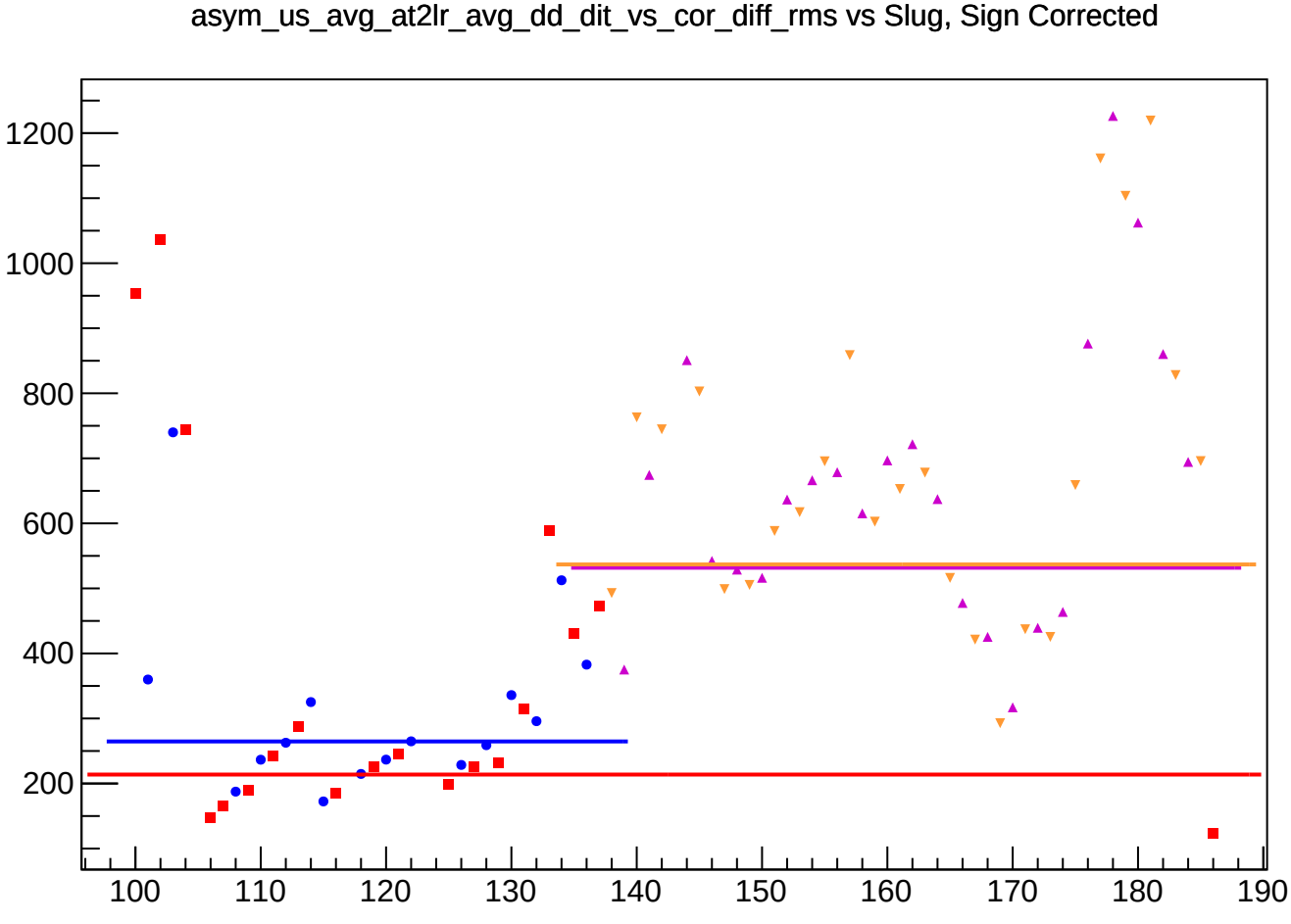
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.041+/-0.068 χ^2/NDF: 36.5/34

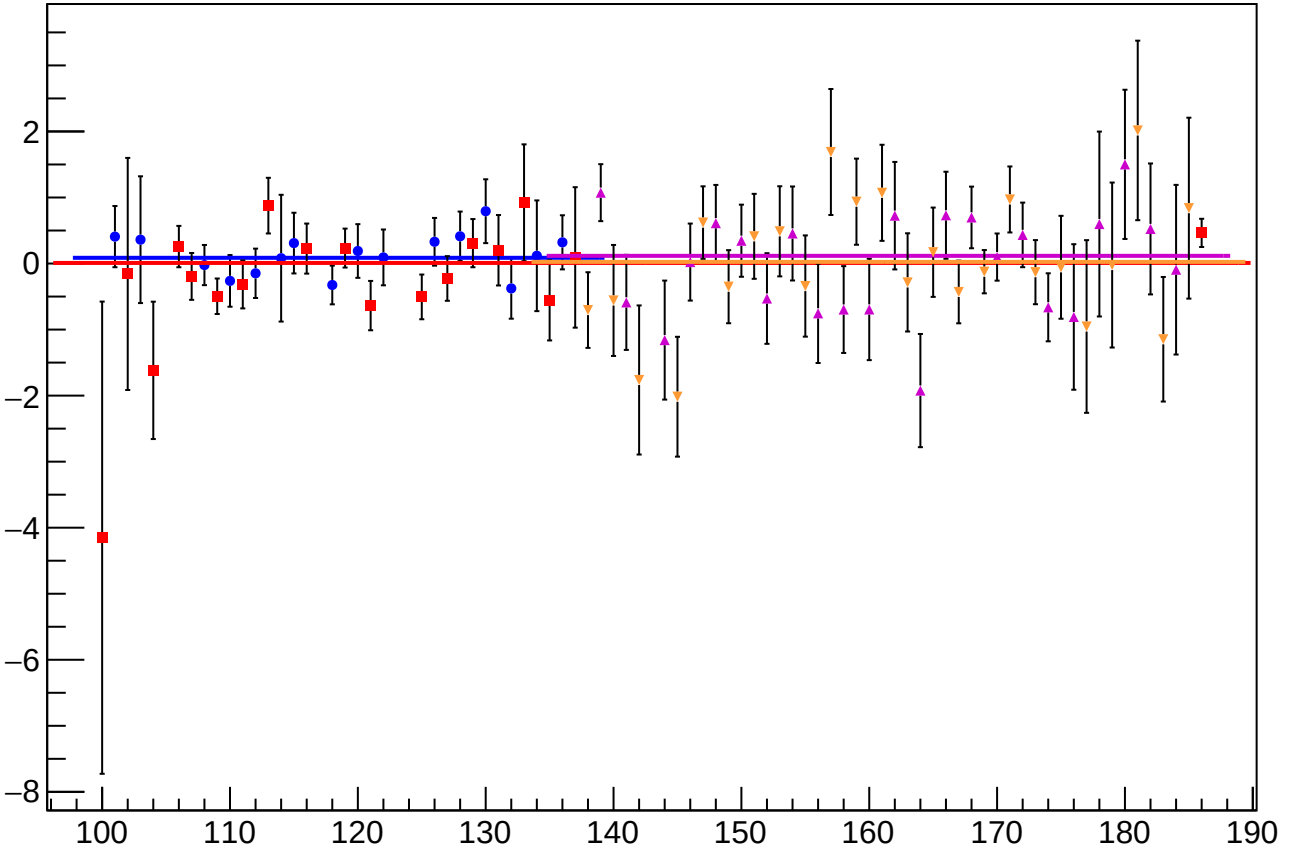
In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.052+/-0.055 χ^2/NDF: 93.6/81


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
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: 234.899+/-0.048 χ²/NDF: 4027043.4/34
In: 367.829+/-0.058 χ²/NDF:9656406.0/38
Out: 312.009+/-0.052 χ²/NDF:14525111.0/42
All: 336.912+/-0.039 χ²/NDF: 24690832.6/81

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.025+/-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

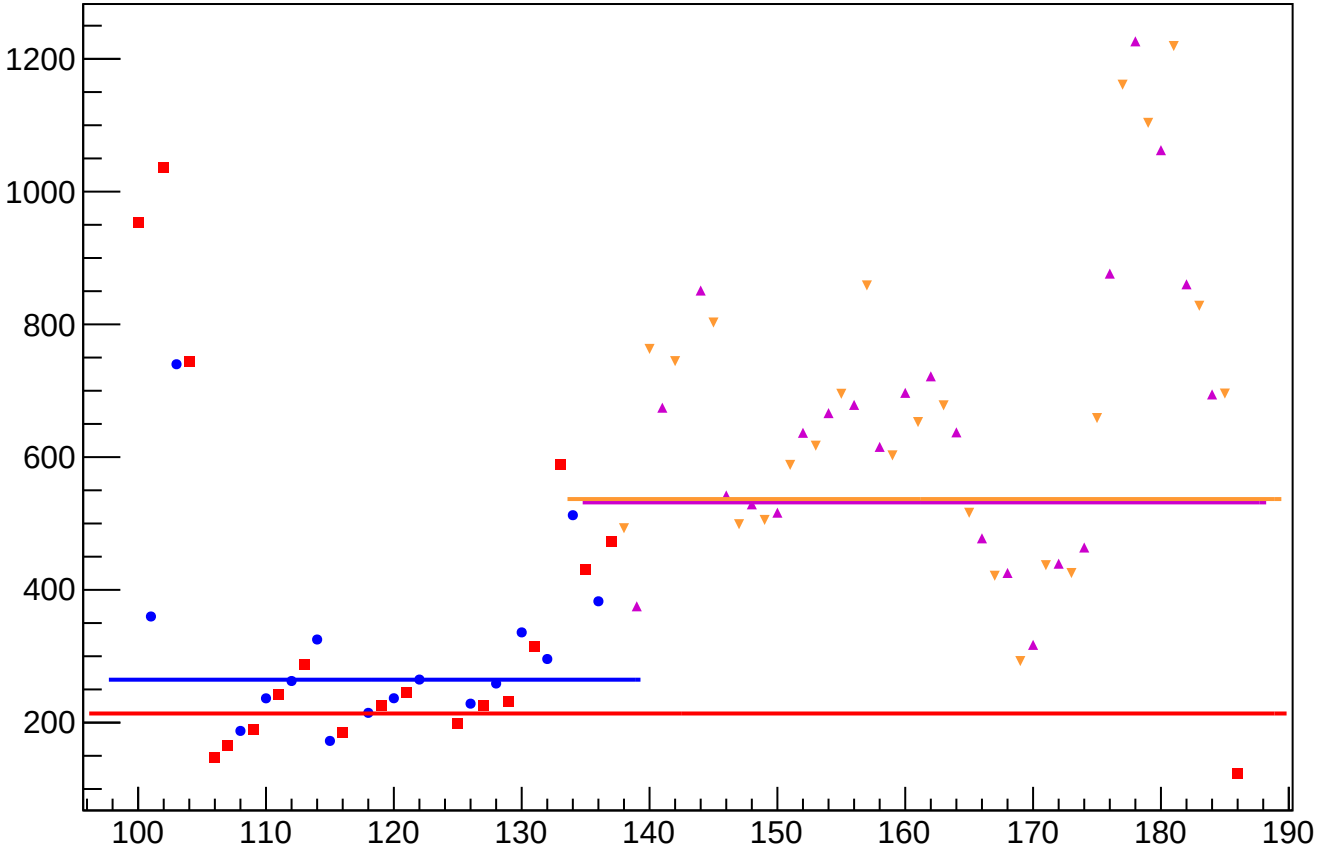
Right: 0.041+/-0.068 χ^2/NDF: 36.5/34

In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.052+/-0.055 χ^2/NDF: 93.6/81

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 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

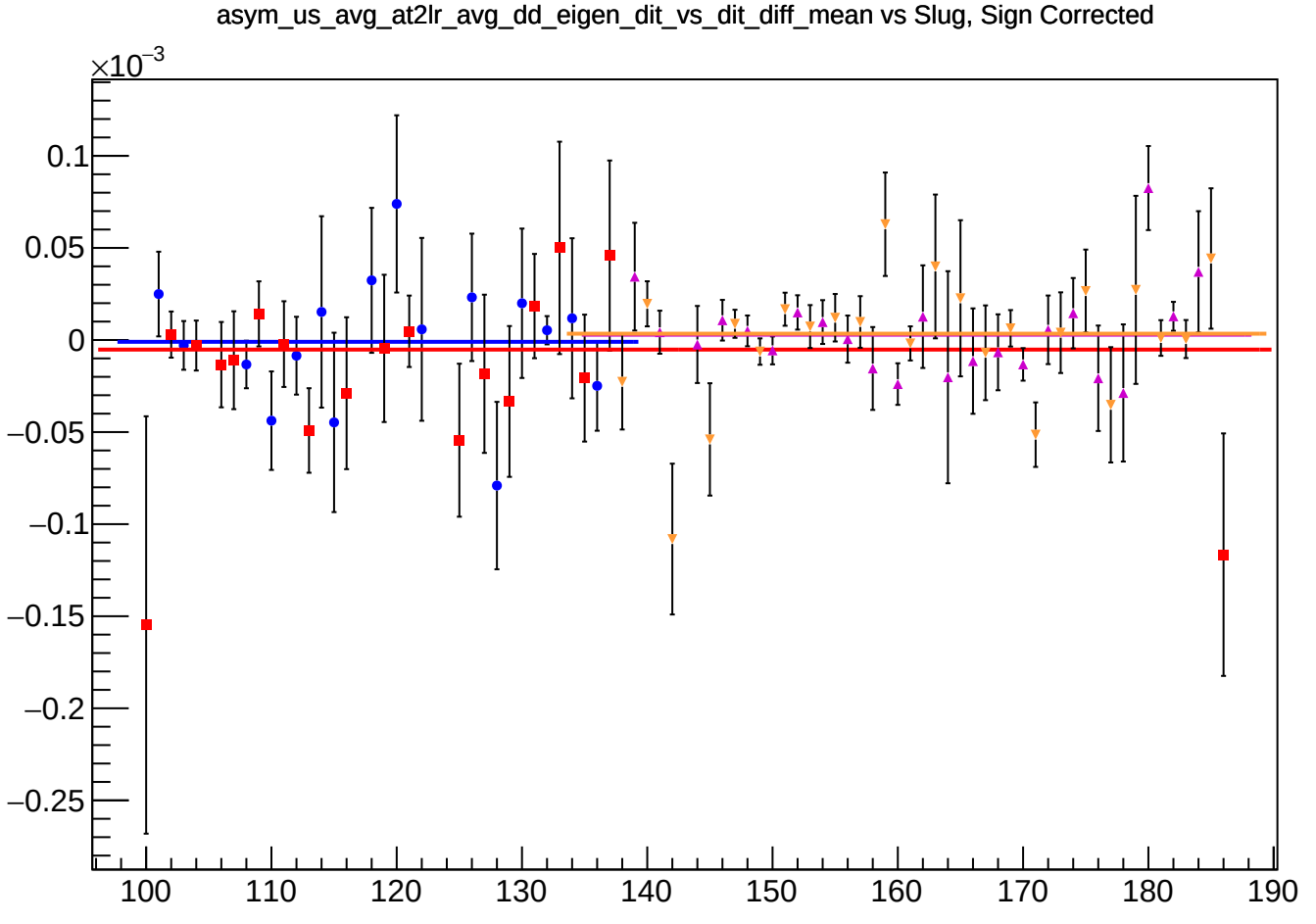
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 234.899+/-0.048 χ^2/NDF: 4027043.4/34

In: 367.829+/-0.058 χ^2/NDF:9656406.0/38

Out: 312.009+/-0.052 χ^2/NDF:14525111.0/42

All: 336.912+/-0.039 χ^2/NDF: 24690832.6/81



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

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

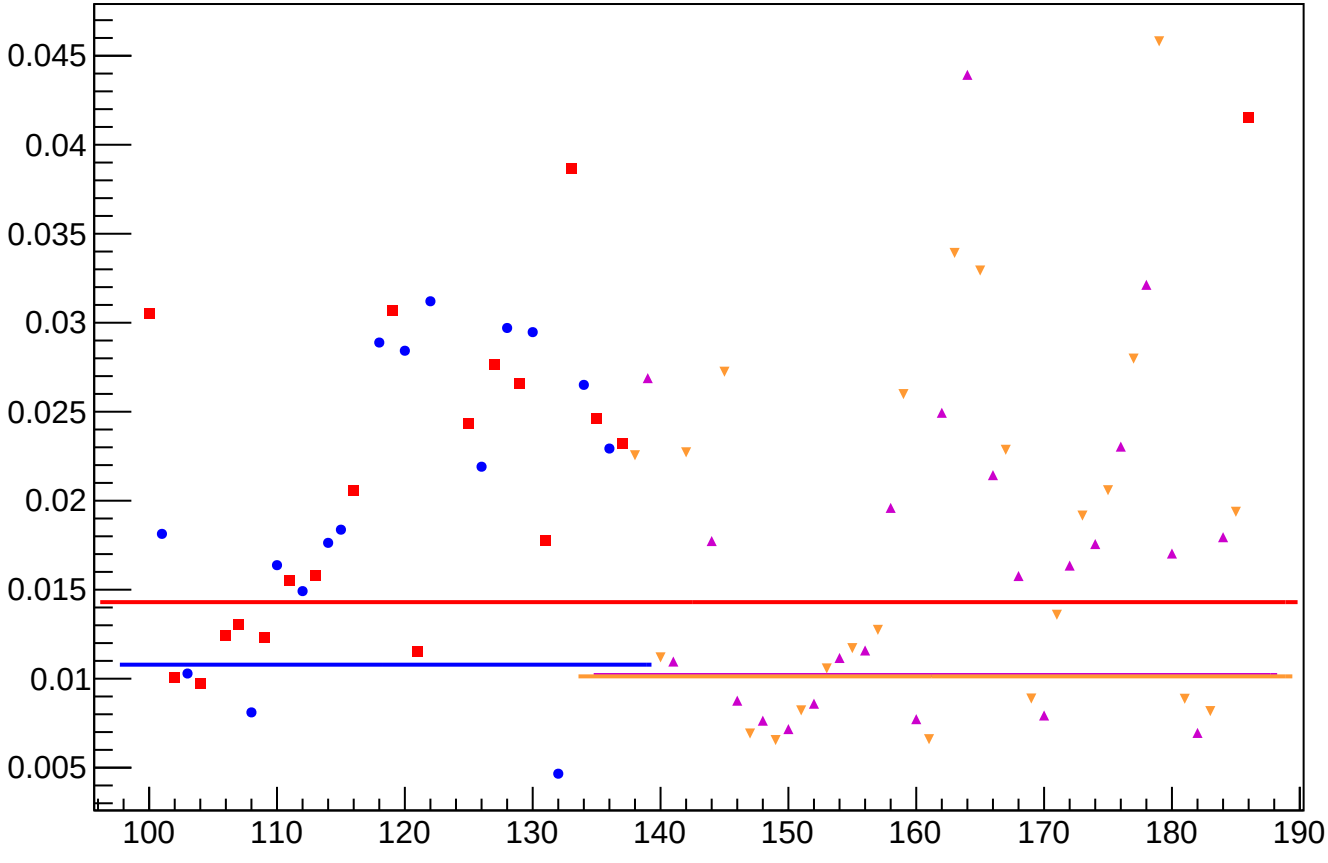
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:47.0/38

Out: 0.000+/-0.000 χ^2/NDF:56.4/42

All: 0.000+/-0.000 χ^2/NDF: 103.4/81

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-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

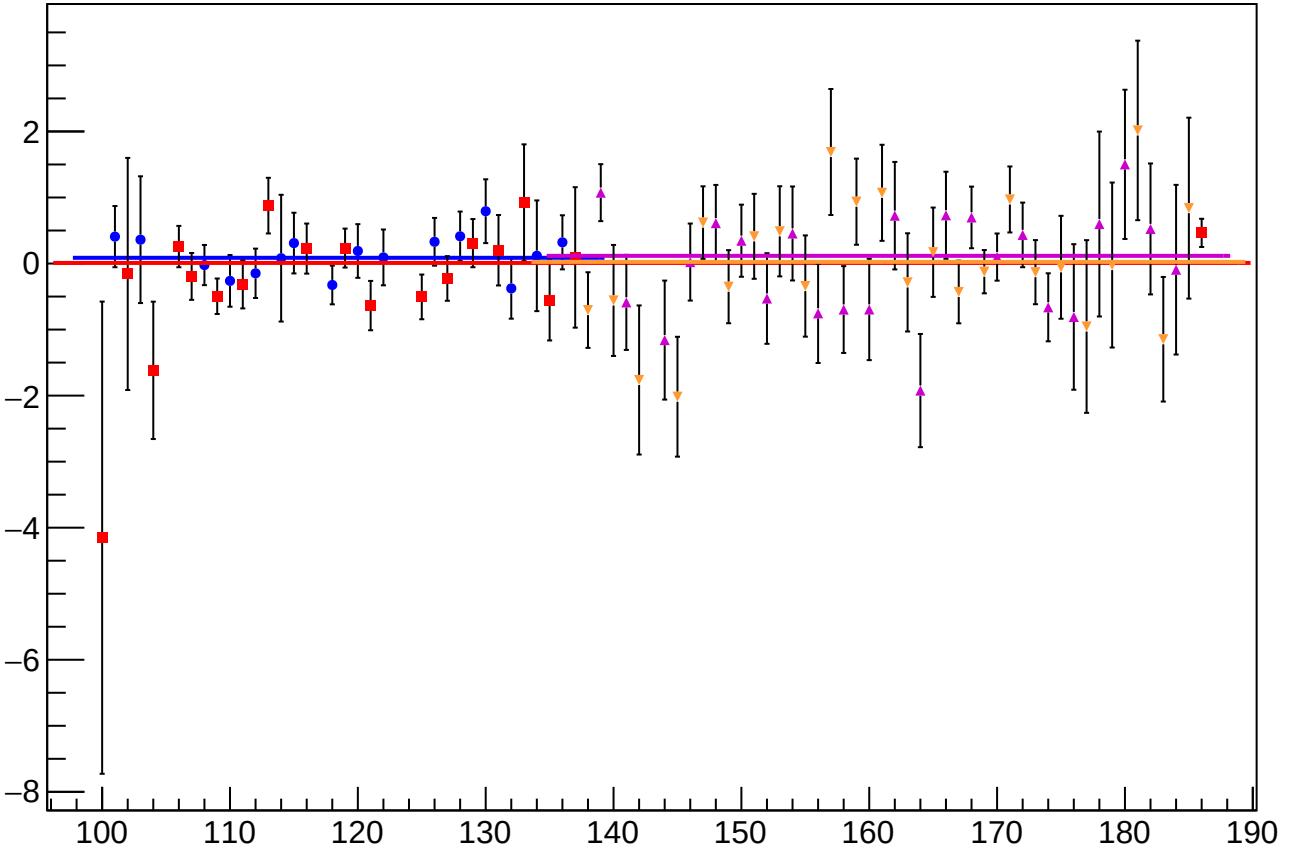
Right: 0.012+/-0.000 χ^2/NDF: 7441917.5/34

In: 0.010+/-0.000 χ^2/NDF:10676725.7/38

Out: 0.011+/-0.000 χ^2/NDF:11109556.1/42

All: 0.011+/-0.000 χ^2/NDF: 21840061.9/81

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.025+/-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

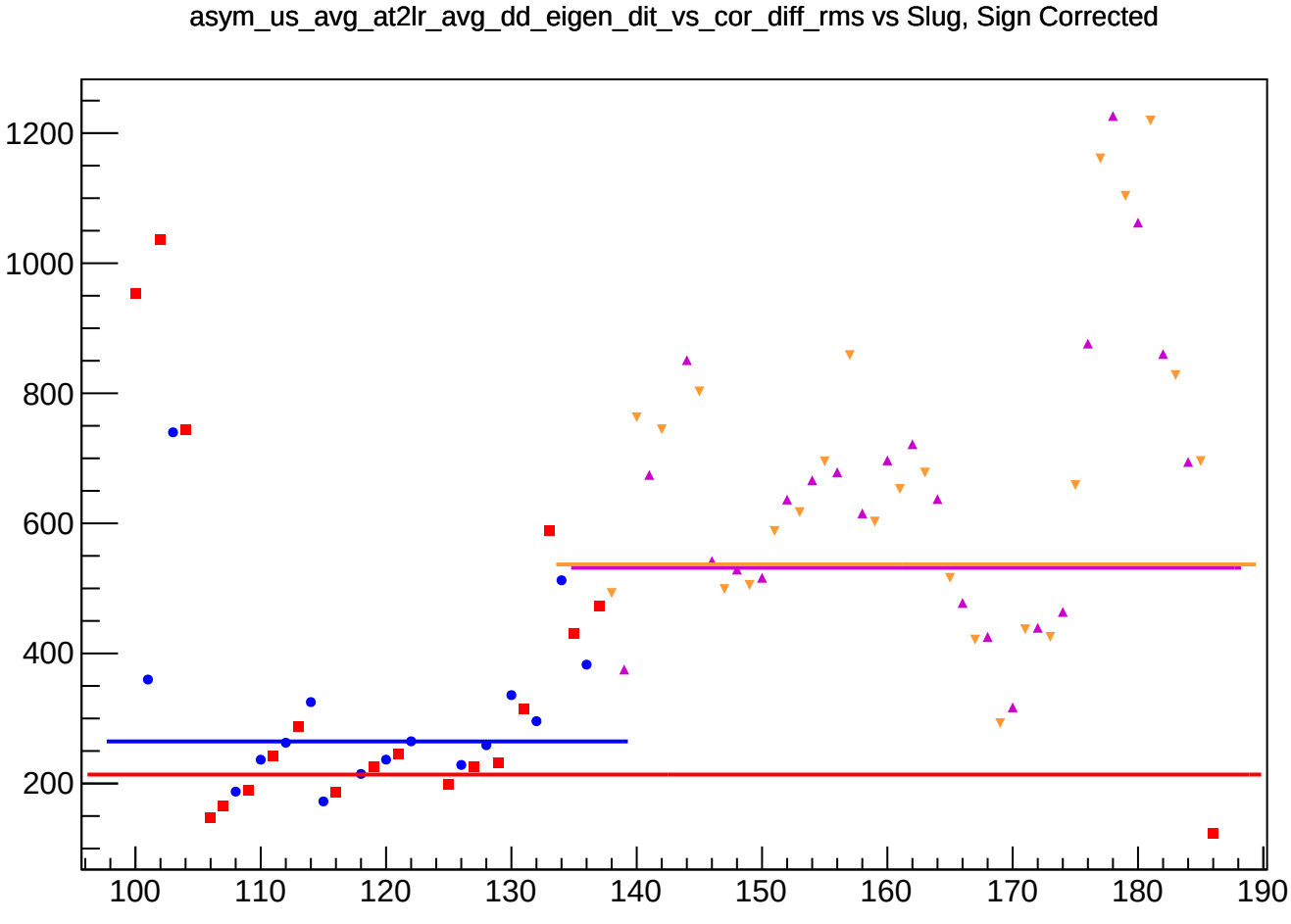
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.041+/-0.068 χ^2/NDF: 36.5/34

In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.052+/-0.055 χ^2/NDF: 93.6/81


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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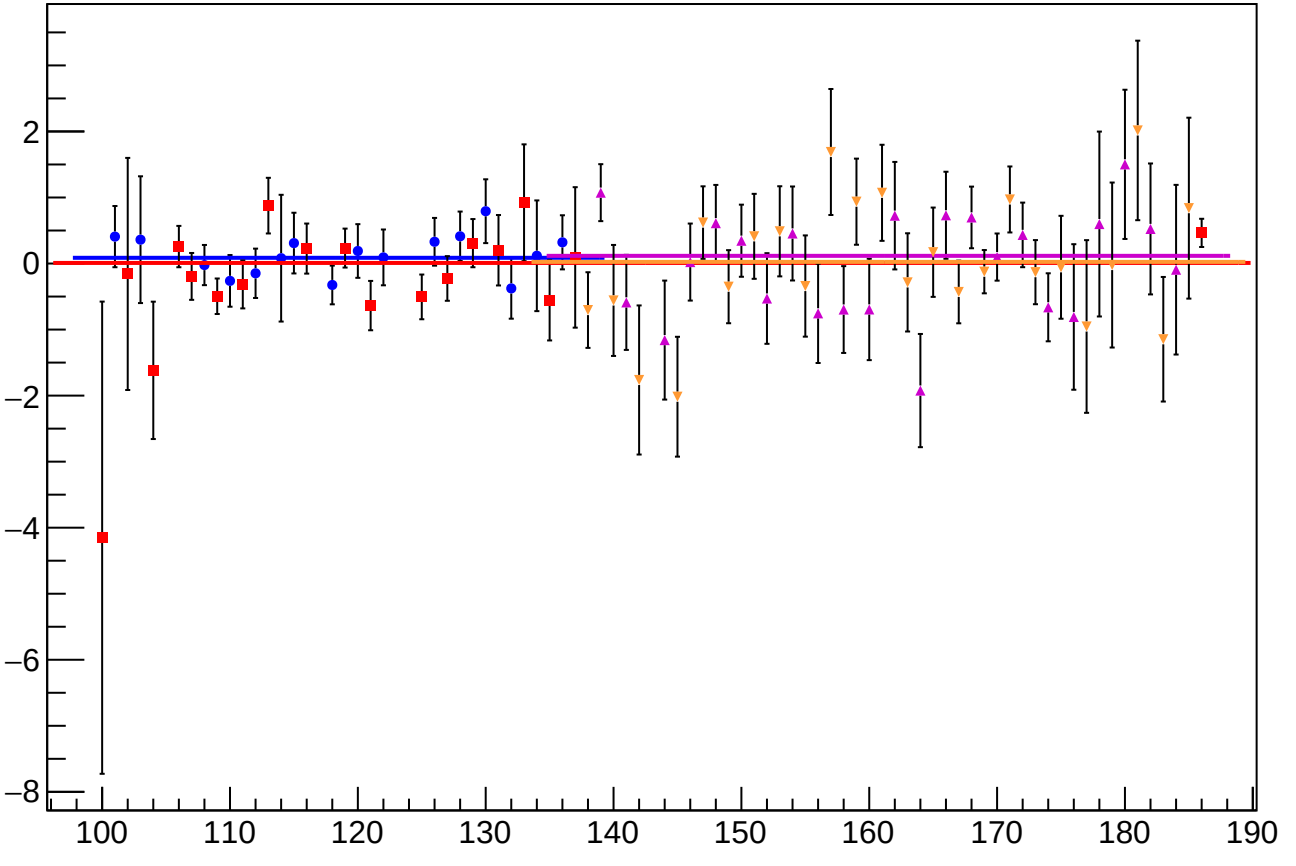
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 213.746+/-0.063 χ²/NDF: 2468601.4/18
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 234.897+/-0.048 χ²/NDF: 4027171.4/34
In: 367.829+/-0.058 χ²/NDF:9656549.0/38
Out: 312.005+/-0.052 χ²/NDF:14525619.9/42
All: 336.910+/-0.039 χ²/NDF: 24691563.0/81

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.025+/-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

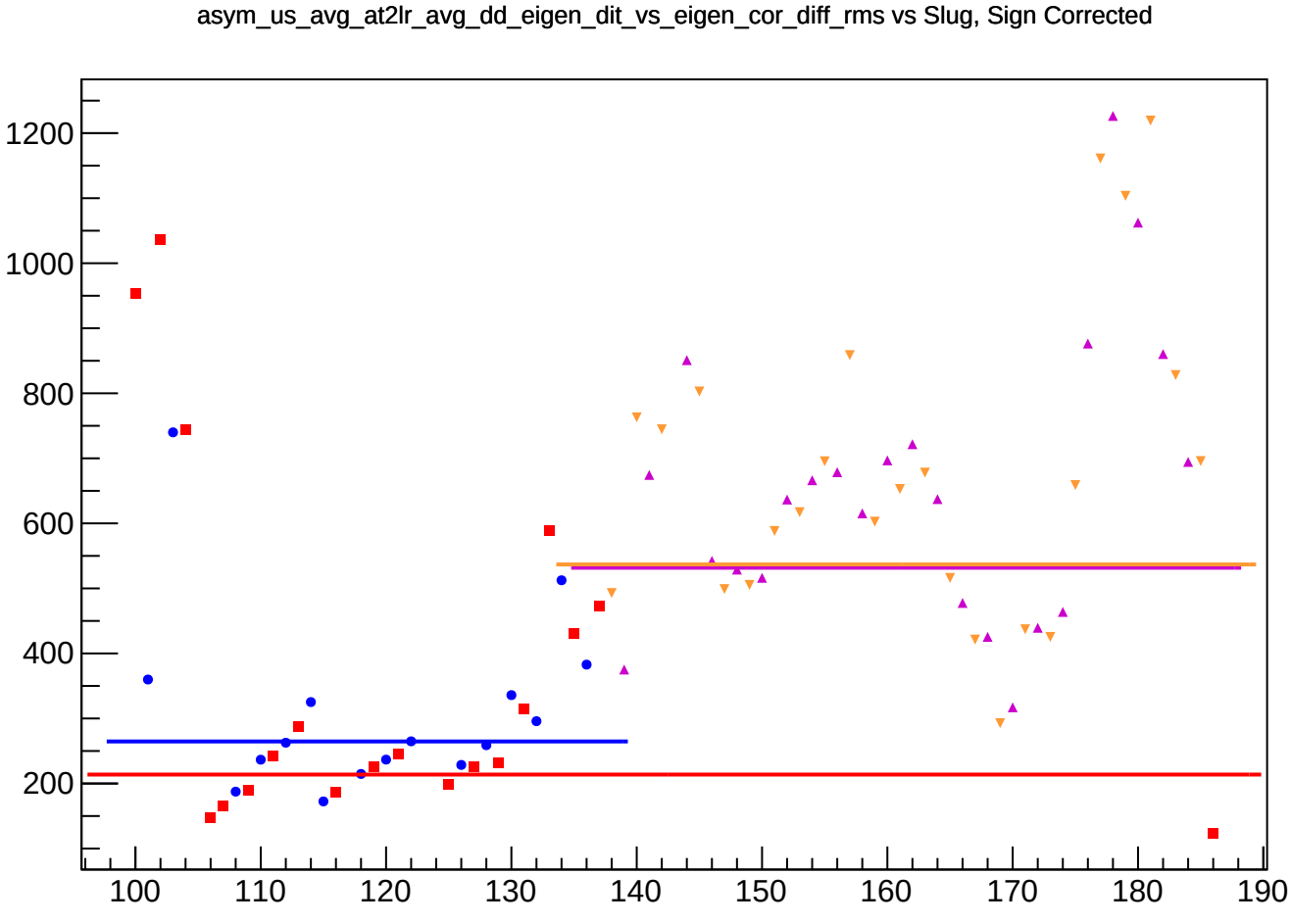
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.041+/-0.068 χ^2/NDF: 36.5/34

In: 0.098+/-0.082 χ^2/NDF:36.7/38

Out: 0.014+/-0.074 χ^2/NDF:56.4/42

All: 0.052+/-0.055 χ^2/NDF: 93.6/81


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1200
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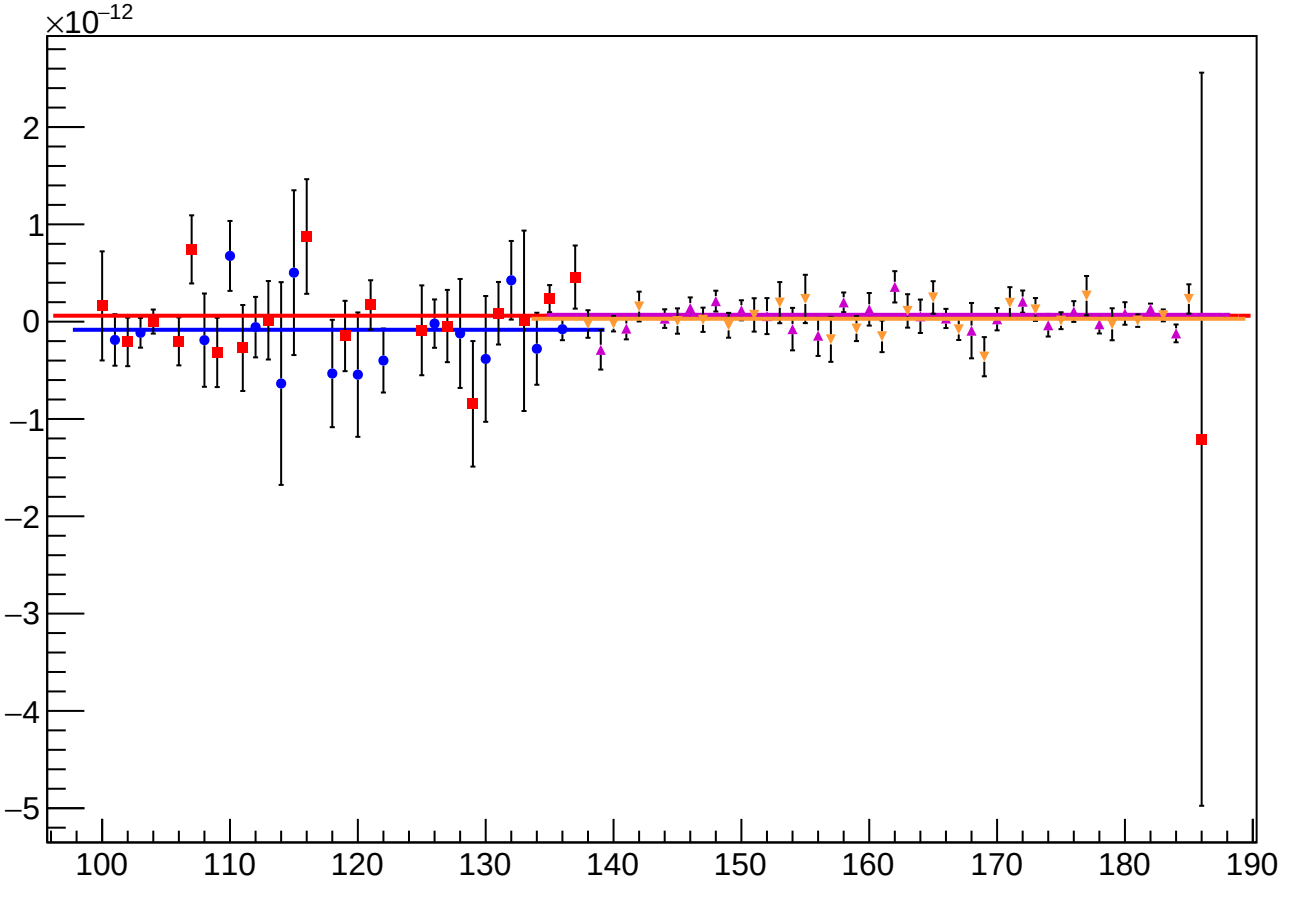
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 213.746+/-0.063 χ²/NDF: 2468601.4/18
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 234.897+/-0.048 χ²/NDF: 4027171.4/34
In: 367.829+/-0.058 χ²/NDF:9656549.0/38
Out: 312.005+/-0.052 χ²/NDF:14525619.9/42
All: 336.910+/-0.039 χ²/NDF: 24691563.0/81

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

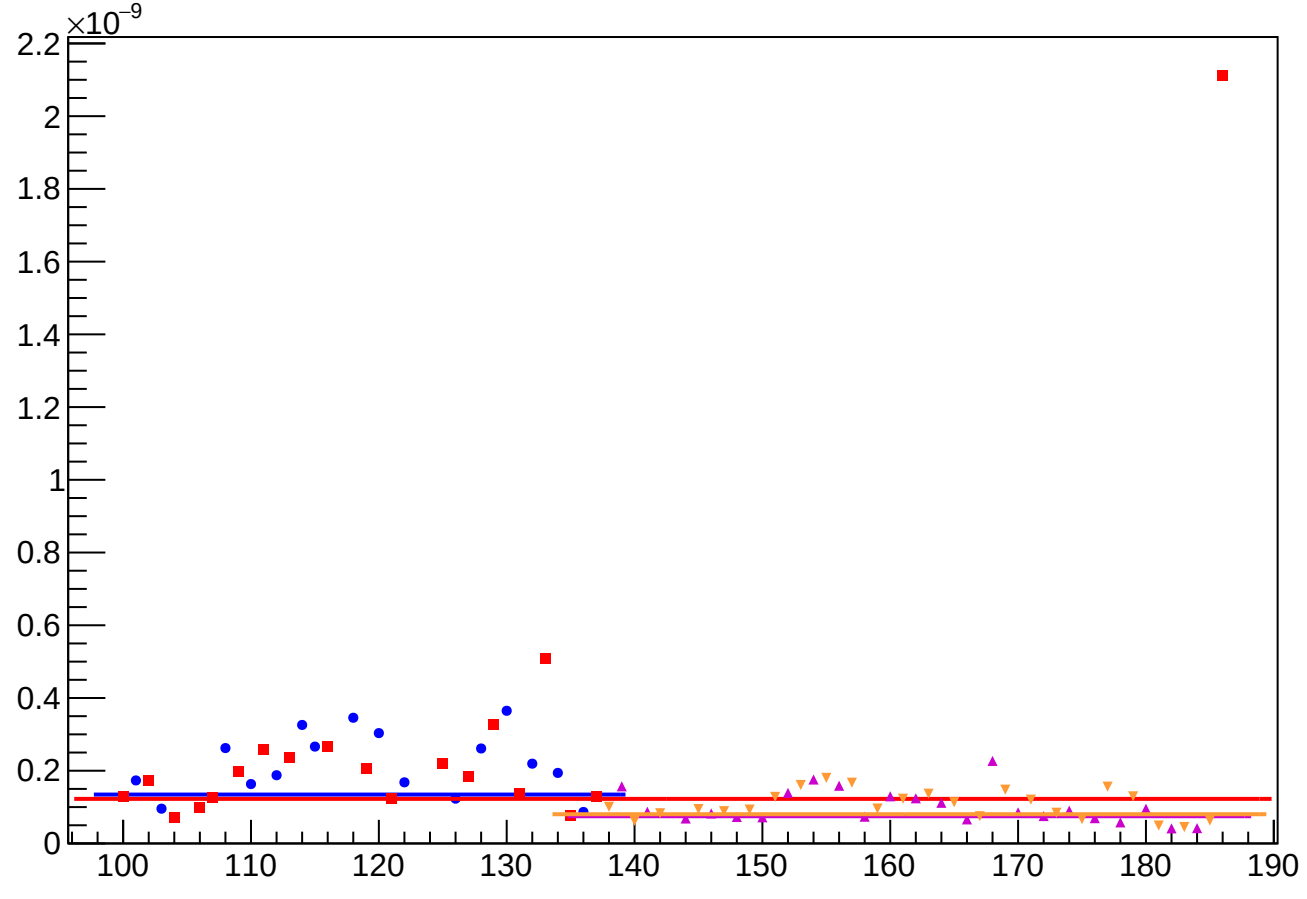
Right: -0.000+/-0.000 χ^2/NDF: 27.9/34

In: 0.000+/-0.000 χ^2/NDF:37.6/38

Out: 0.000+/-0.000 χ^2/NDF:33.8/42

All: 0.000+/-0.000 χ^2/NDF: 71.8/81

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2561005.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

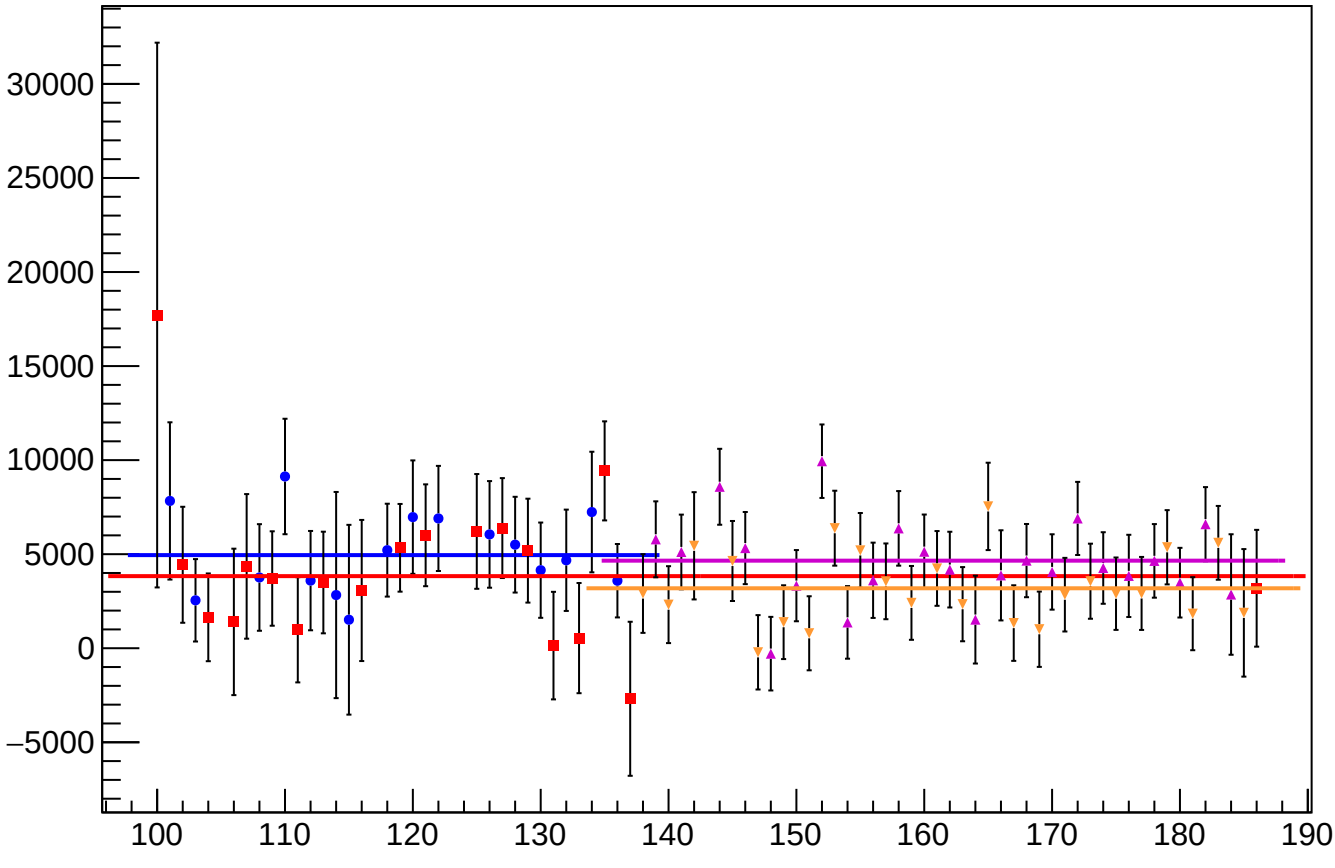
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 4407369.8/34

In: 0.000+/-0.000 χ^2/NDF:6818250.2/38

Out: 0.000+/-0.000 χ^2/NDF:7042950.2/42

All: 0.000+/-0.000 χ^2/NDF: 13905570.5/81



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

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

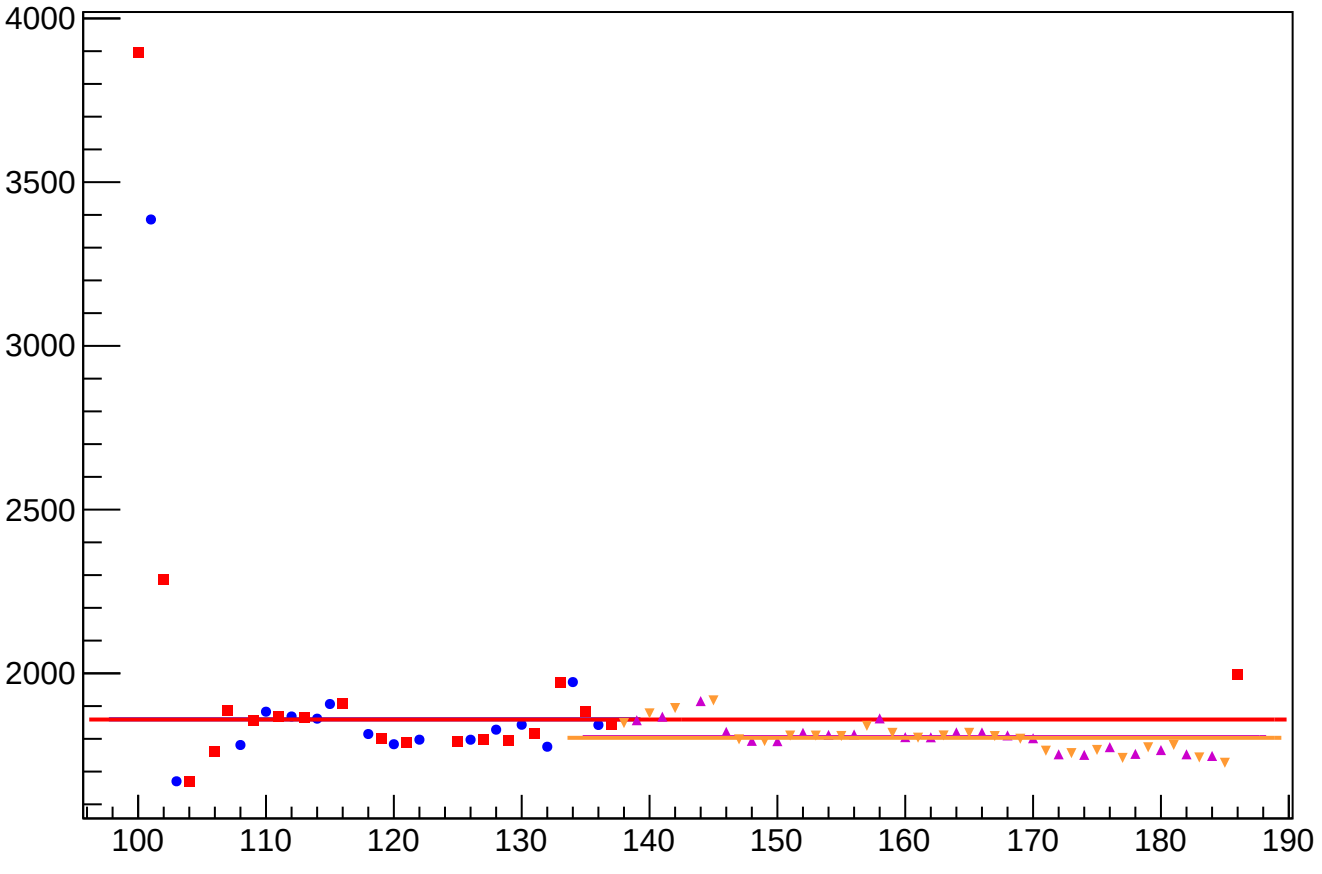
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4375.325+/-487.000 χ^2/NDF: 24.4/34

In: 4733.963+/-361.065 χ^2/NDF:34.7/38

Out: 3364.964+/-356.331 χ^2/NDF:36.7/42

All: 4040.428+/-253.621 χ^2/NDF: 78.7/81



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

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

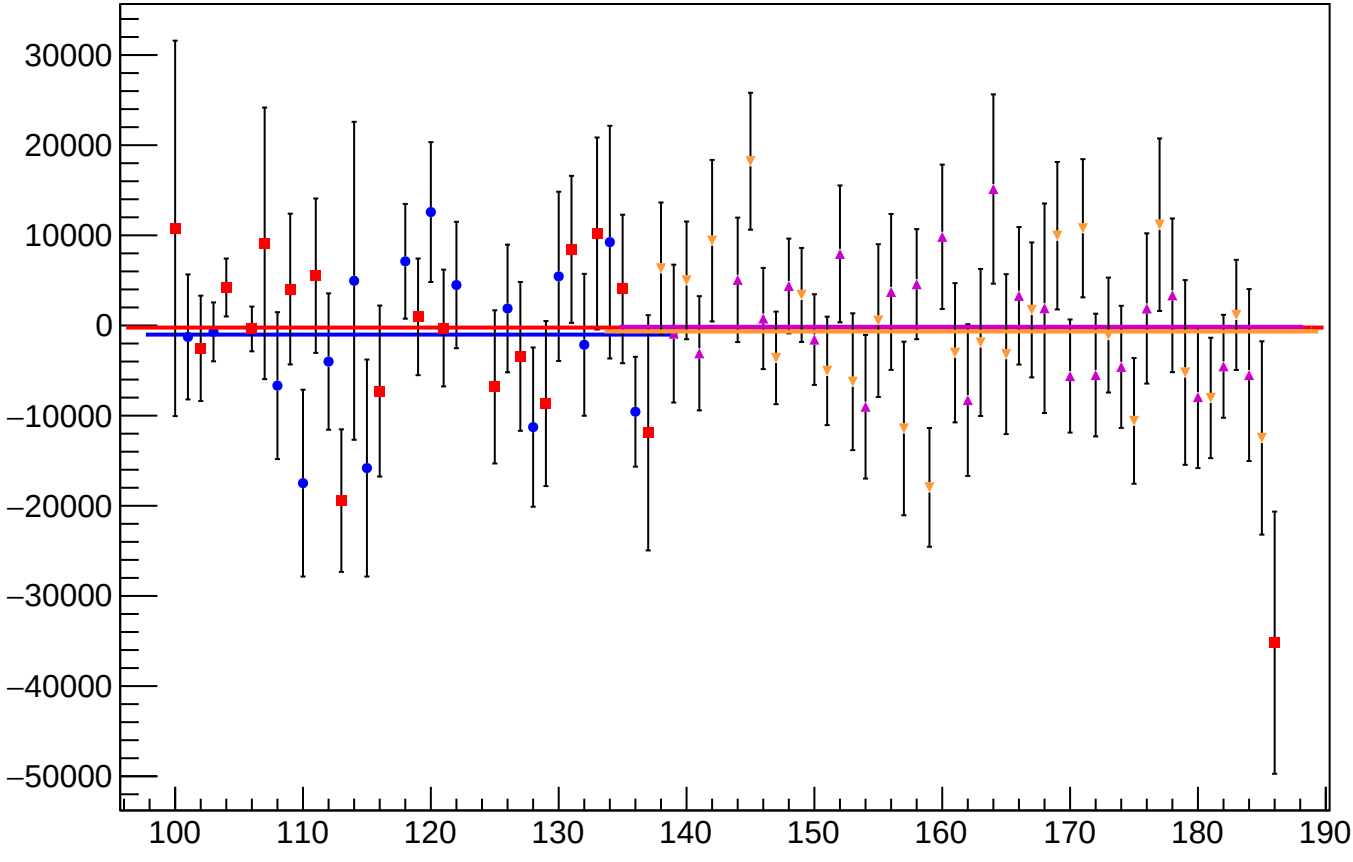
Right: 1859.232+/-0.344 χ^2/NDF: 398717.5/34

In: 1819.956+/-0.255 χ^2/NDF:320385.7/38

Out: 1818.565+/-0.252 χ^2/NDF:136872.6/42

All: 1819.251+/-0.179 χ^2/NDF: 457273.4/81

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -230.763+/-1431.528 χ^2/NDF: 20.5/18

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

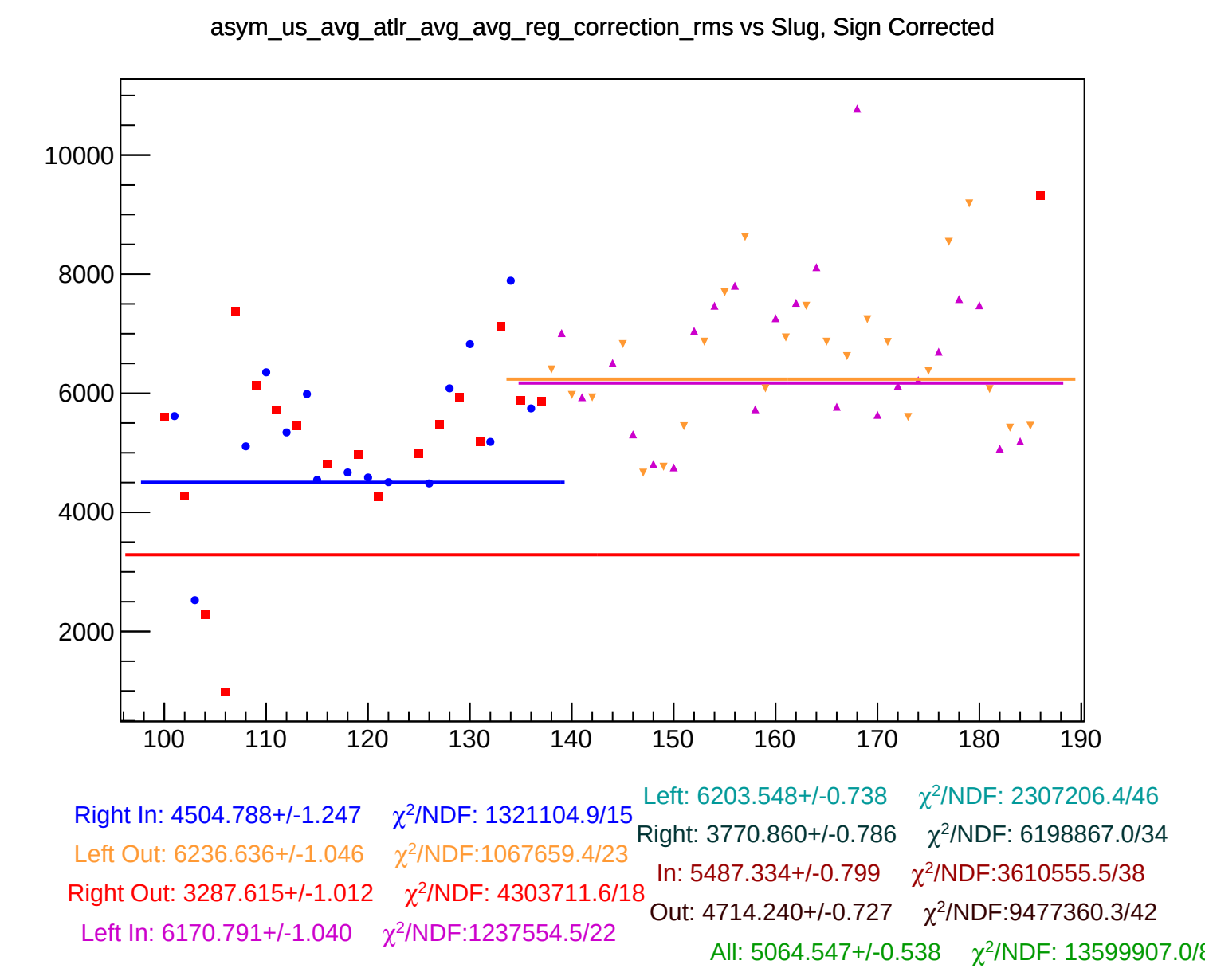
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -540.252+/-1111.605 χ^2/NDF: 35.3/34

In: -499.051+/-1129.954 χ^2/NDF:28.4/38

Out: -441.915+/-1028.549 χ^2/NDF:50.3/42

All: -467.805+/-760.623 χ^2/NDF: 78.7/81


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
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6000
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2000
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110
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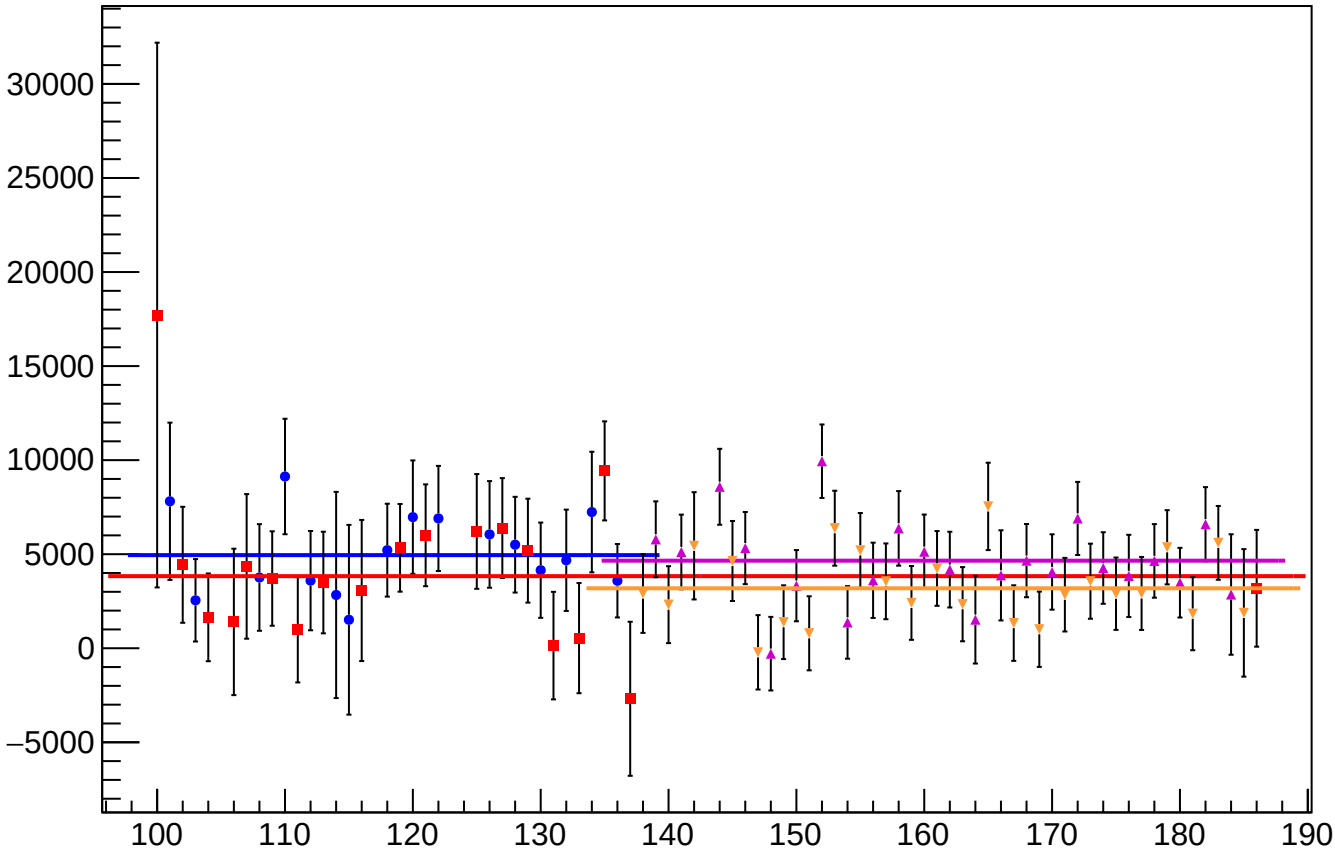
150
160
170
180
190
Right In: 4504.788+/-1.247 χ²/NDF: 1321104.9/15
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3287.615+/-1.012 χ²/NDF: 4303711.6/18
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 3770.860+/-0.786 χ²/NDF: 6198867.0/34
In: 5487.334+/-0.799 χ²/NDF:3610555.5/38
Out: 4714.240+/-0.727 χ²/NDF:9477360.3/42
All: 5064.547+/-0.538 χ²/NDF: 13599907.0/8



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

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

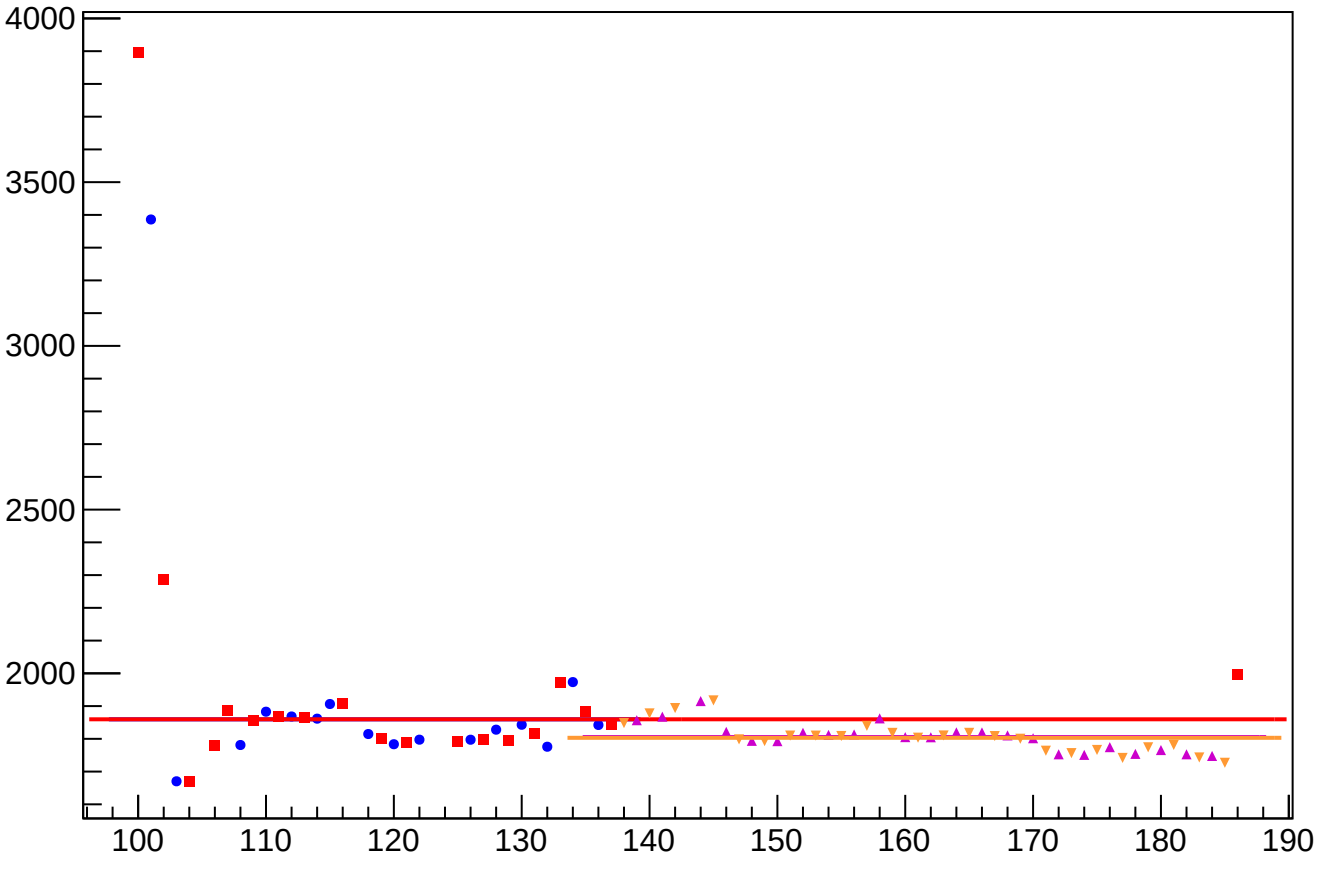
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4374.980+/-487.000 χ^2/NDF: 24.4/34

In: 4733.848+/-361.065 χ^2/NDF:34.7/38

Out: 3364.855+/-356.331 χ^2/NDF:36.7/42

All: 4040.316+/-253.621 χ^2/NDF: 78.7/81



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

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

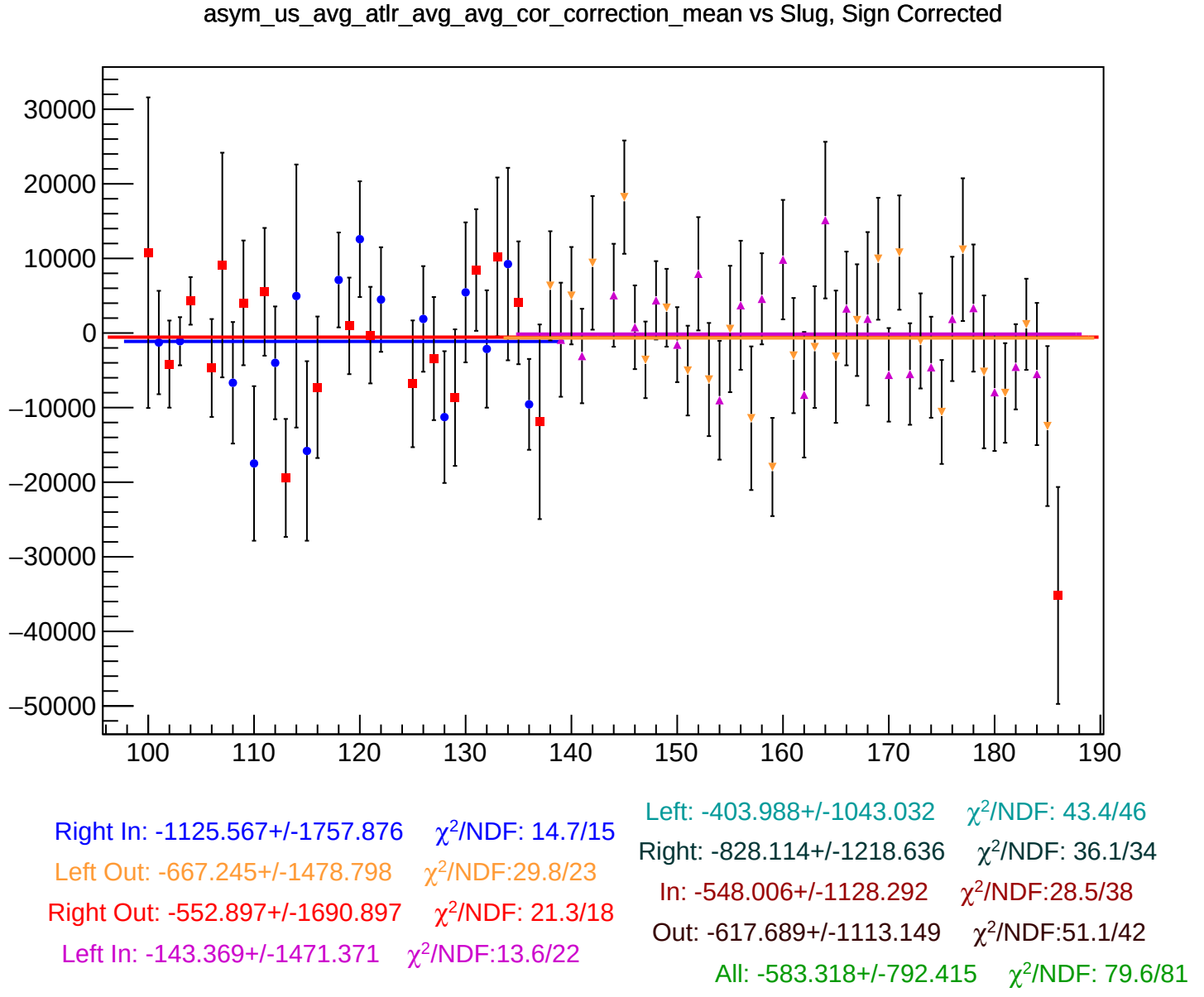
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1859.580+/-0.344 χ^2/NDF: 398216.3/34

In: 1819.956+/-0.255 χ^2/NDF:320387.5/38

Out: 1818.745+/-0.252 χ^2/NDF:136605.5/42

All: 1819.342+/-0.179 χ^2/NDF: 457004.5/81


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
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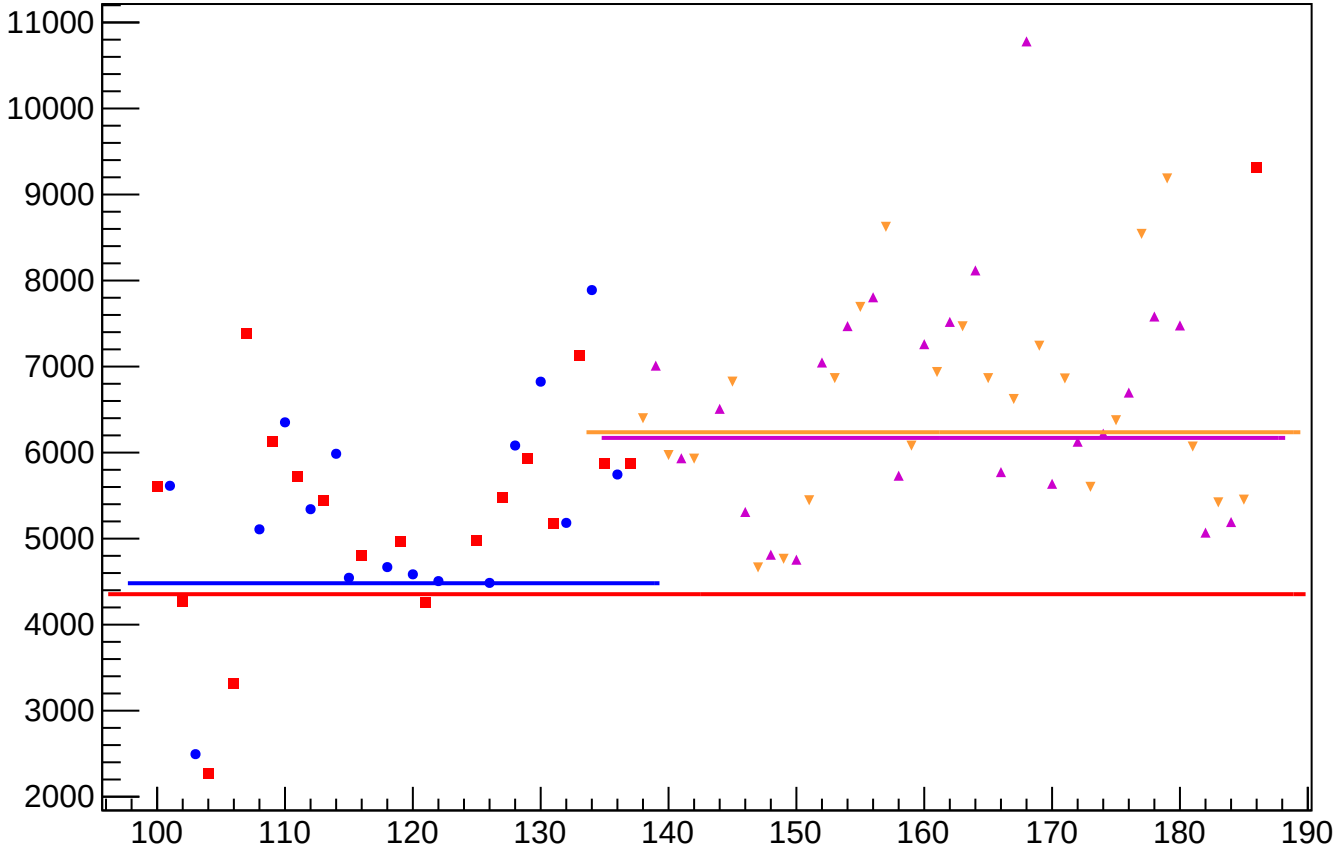
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -552.897+/-1690.897 χ²/NDF: 21.3/18
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -828.114+/-1218.636 χ²/NDF: 36.1/34
In: -548.006+/-1128.292 χ²/NDF:28.5/38
Out: -617.689+/-1113.149 χ²/NDF:51.1/42
All: -583.318+/-792.415 χ²/NDF: 79.6/81

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 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

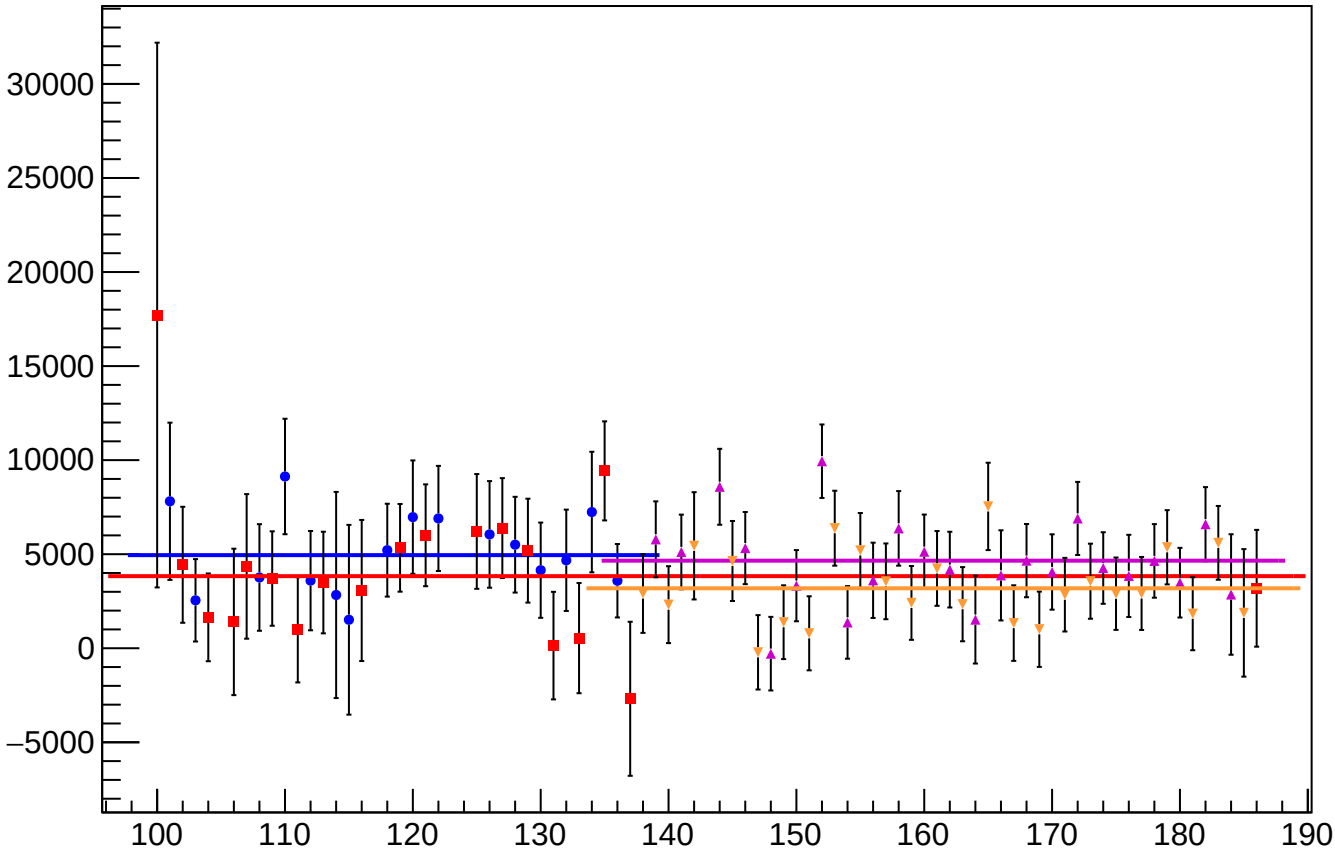
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4415.365+/-0.862 χ^2/NDF: 3153805.2/34

In: 5474.858+/-0.798 χ^2/NDF:3685871.9/38

Out: 5420.800+/-0.787 χ^2/NDF:4258335.6/42

All: 5447.464+/-0.560 χ^2/NDF: 7946534.0/81



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

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

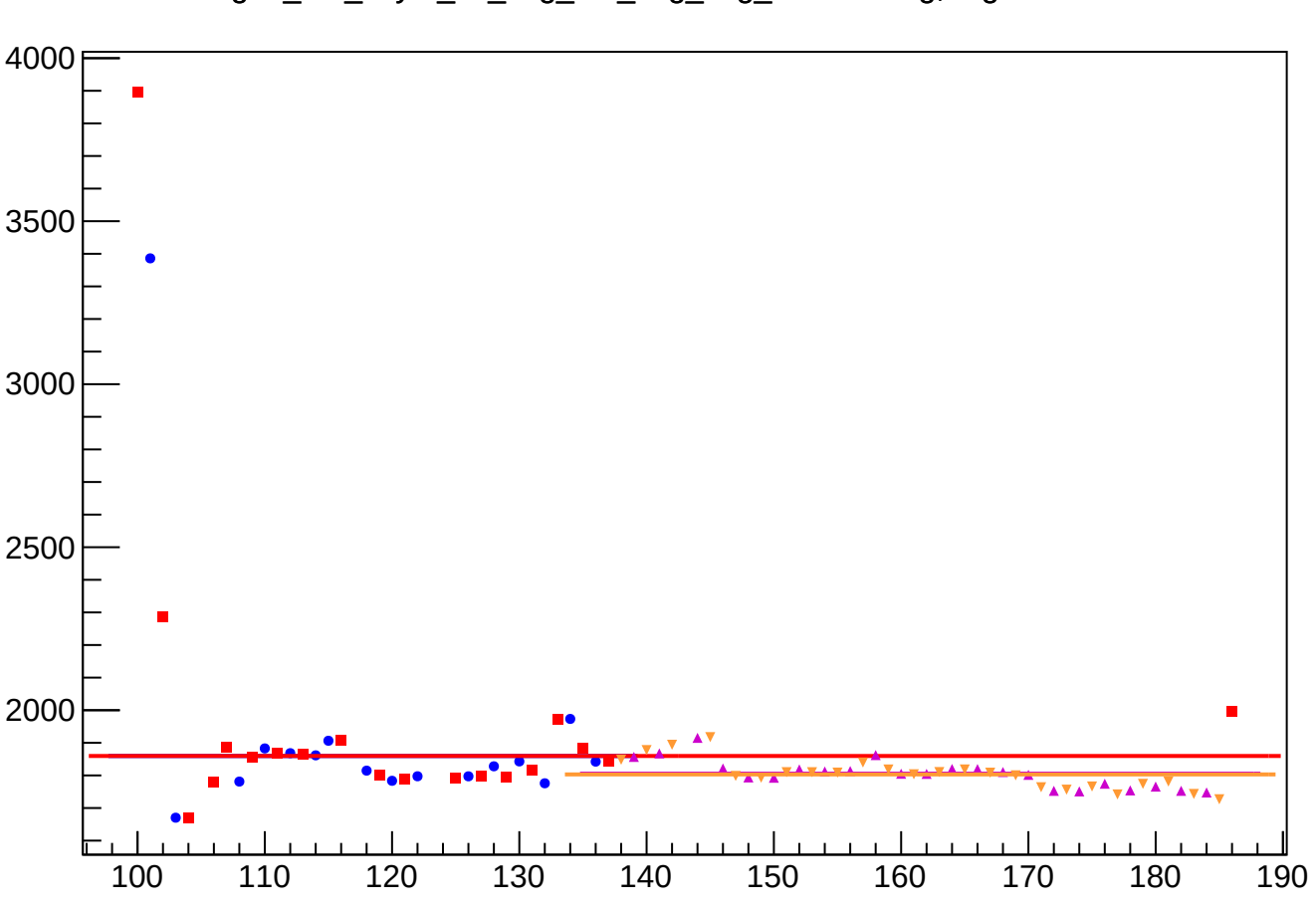
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4374.980+/-487.000 χ^2/NDF: 24.4/34

In: 4733.848+/-361.065 χ^2/NDF:34.7/38

Out: 3364.855+/-356.331 χ^2/NDF:36.7/42

All: 4040.316+/-253.621 χ^2/NDF: 78.7/81



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

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

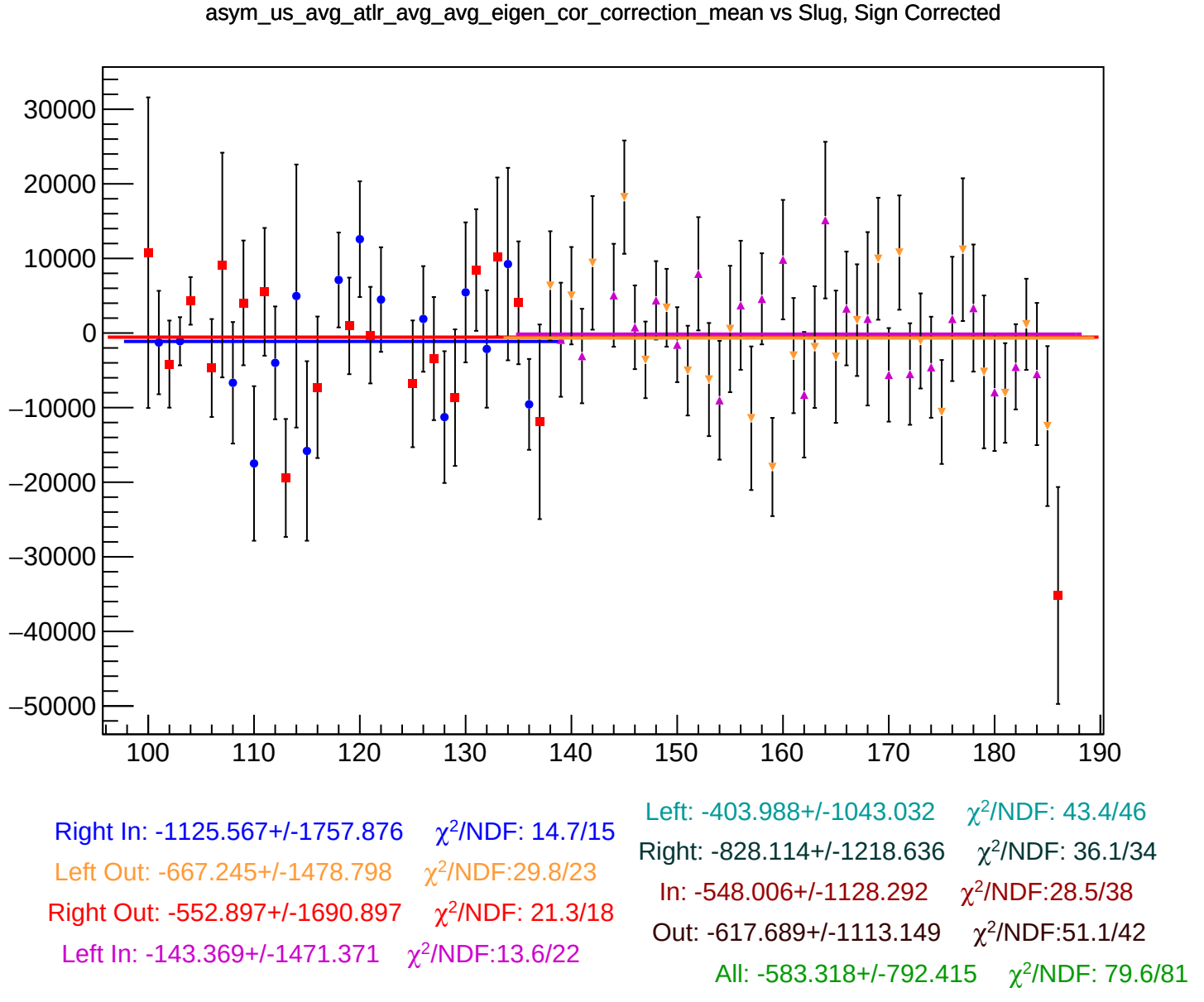
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1859.580+/-0.344 χ^2/NDF: 398216.3/34

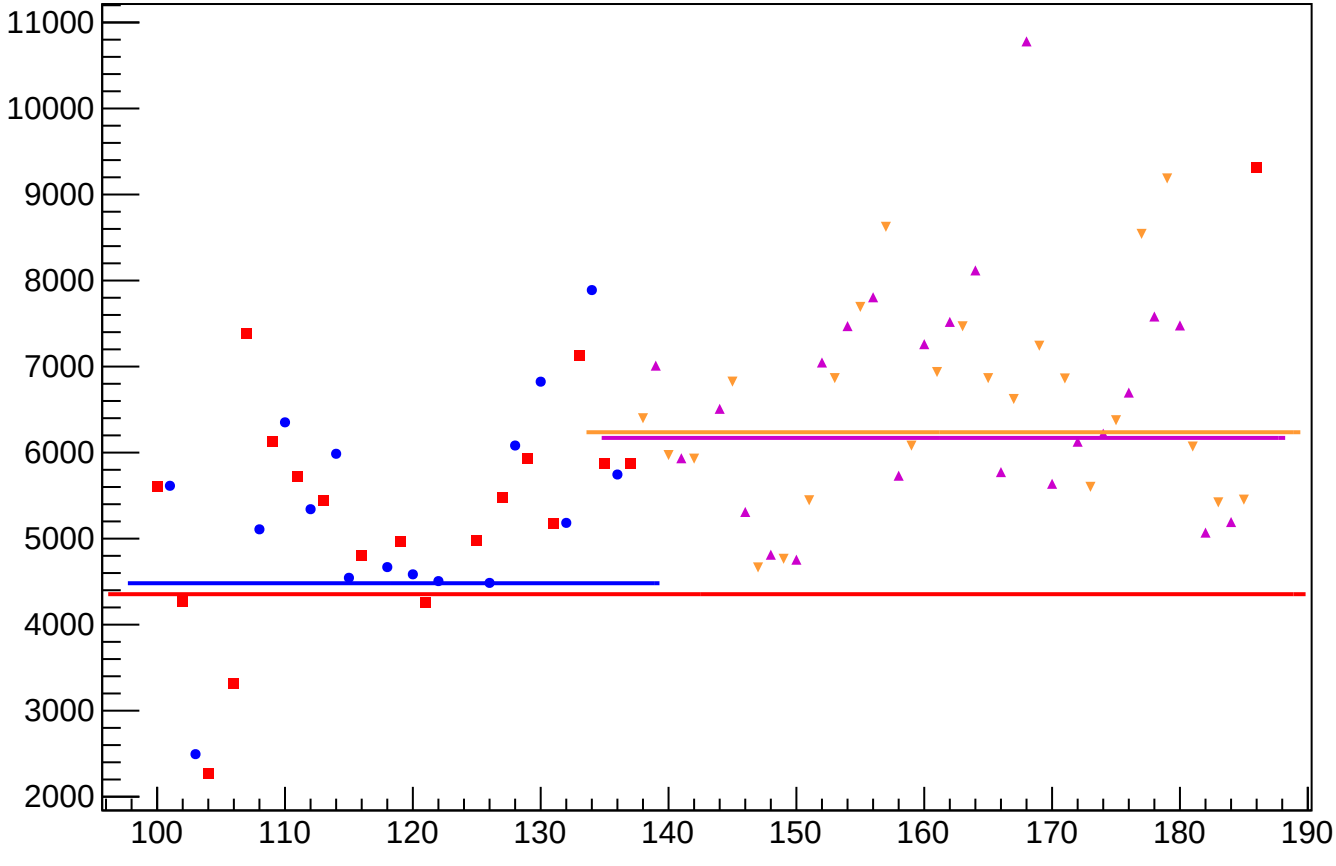
In: 1819.956+/-0.255 χ^2/NDF:320387.5/38

Out: 1818.745+/-0.252 χ^2/NDF:136605.5/42

All: 1819.342+/-0.179 χ^2/NDF: 457004.5/81


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: -1125.567+/-1757.876 χ²/NDF: 14.7/15
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: -828.114+/-1218.636 χ²/NDF: 36.1/34
In: -548.006+/-1128.292 χ²/NDF:28.5/38
Out: -617.689+/-1113.149 χ²/NDF:51.1/42
All: -583.318+/-792.415 χ²/NDF: 79.6/81

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 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

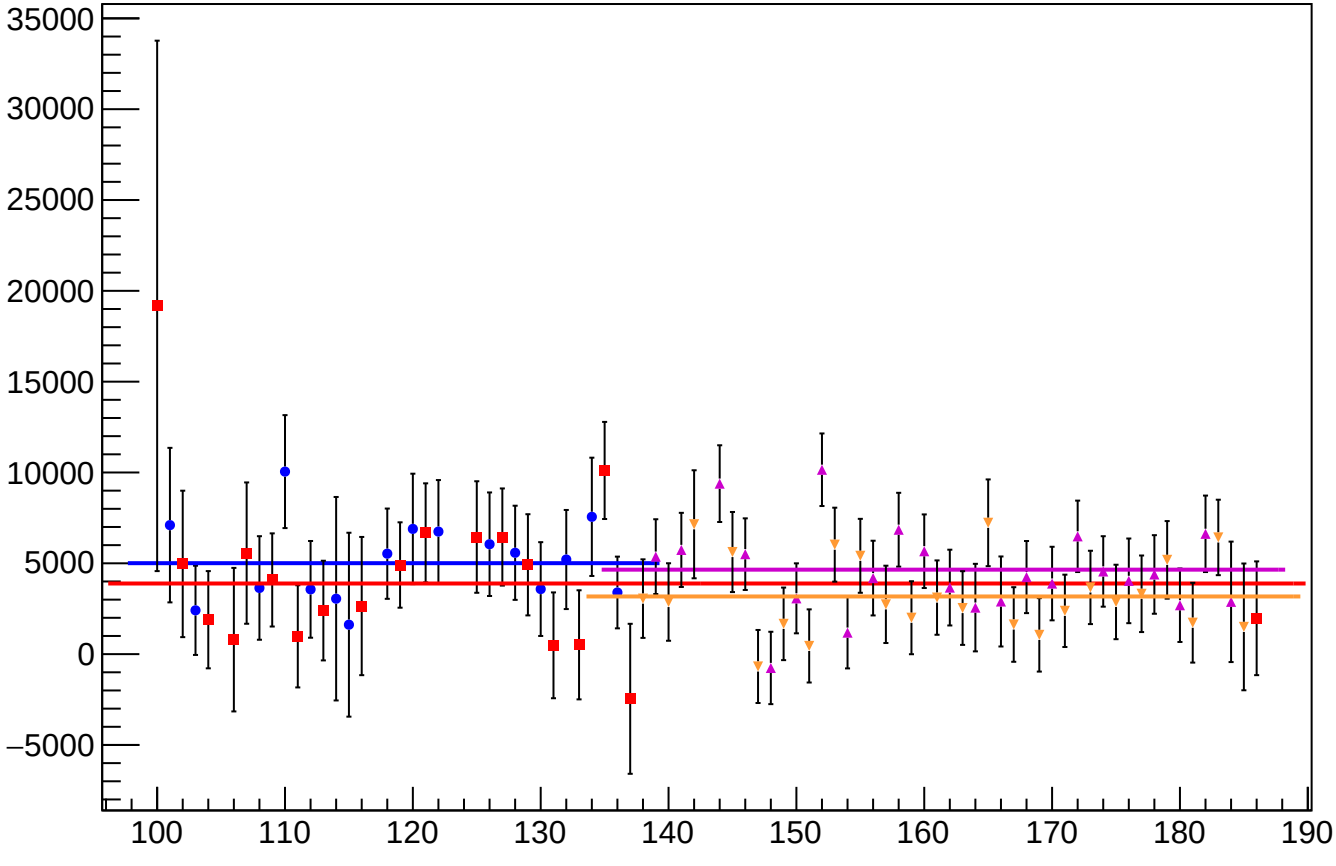
Right: 4415.365+/-0.862 χ^2/NDF: 3153805.2/34

In: 5474.858+/-0.798 χ^2/NDF:3685871.9/38

Out: 5420.800+/-0.787 χ^2/NDF:4258335.6/42

All: 5447.464+/-0.560 χ^2/NDF: 7946534.0/81

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 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

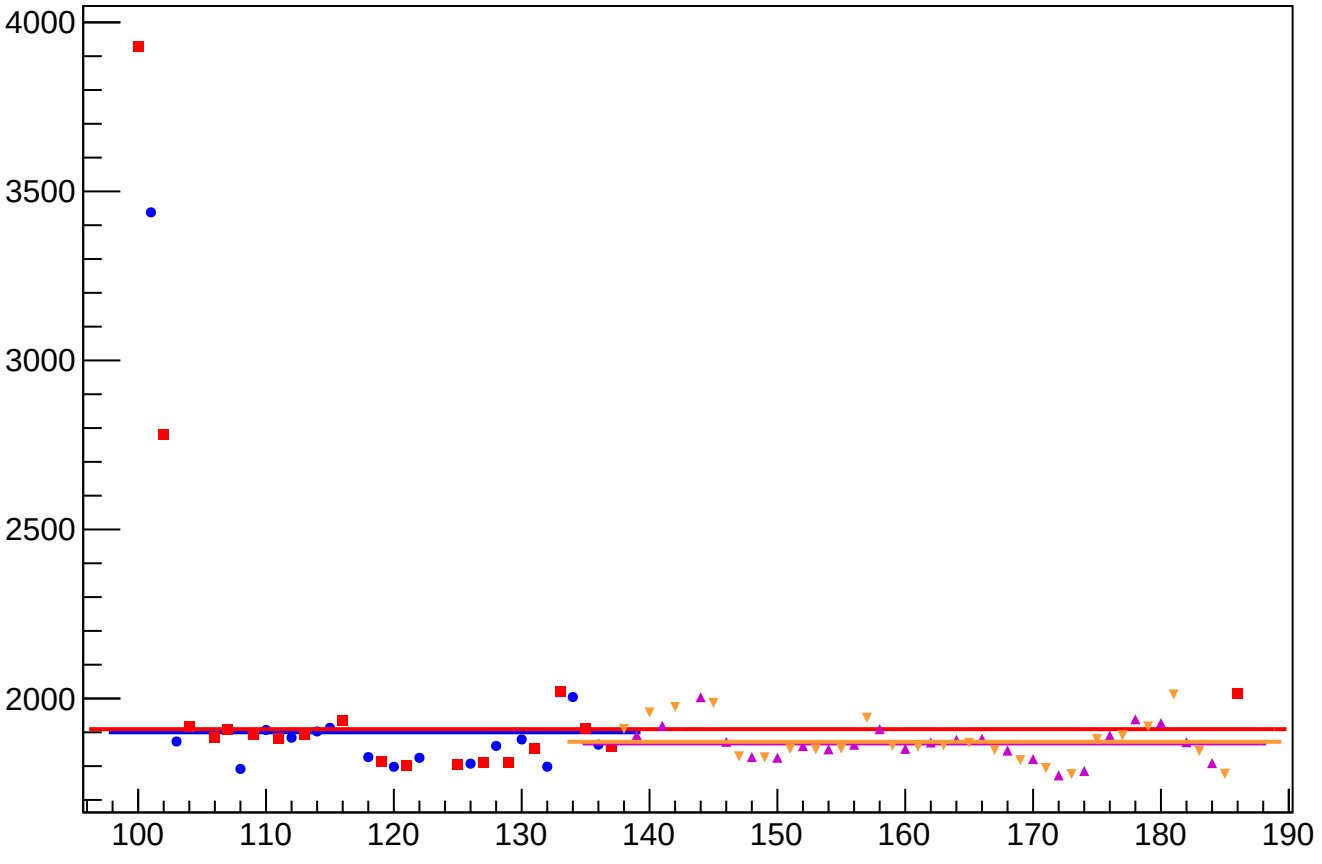
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4437.312+/-500.159 χ^2/NDF: 26.7/34

In: 4747.437+/-372.240 χ^2/NDF:38.4/38

Out: 3372.948+/-369.474 χ^2/NDF:40.1/42

All: 4055.067+/-262.230 χ^2/NDF: 85.3/81



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

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

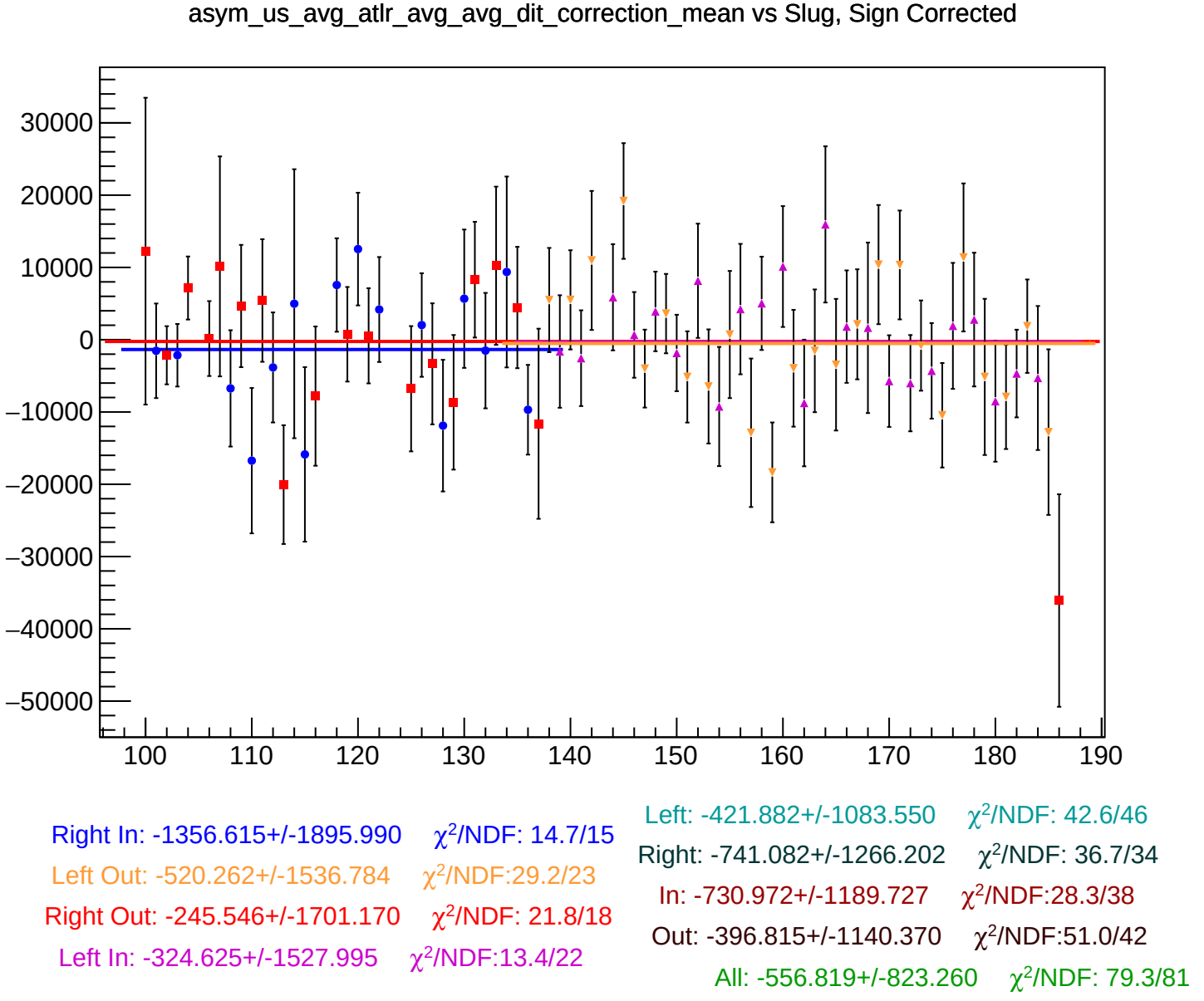
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

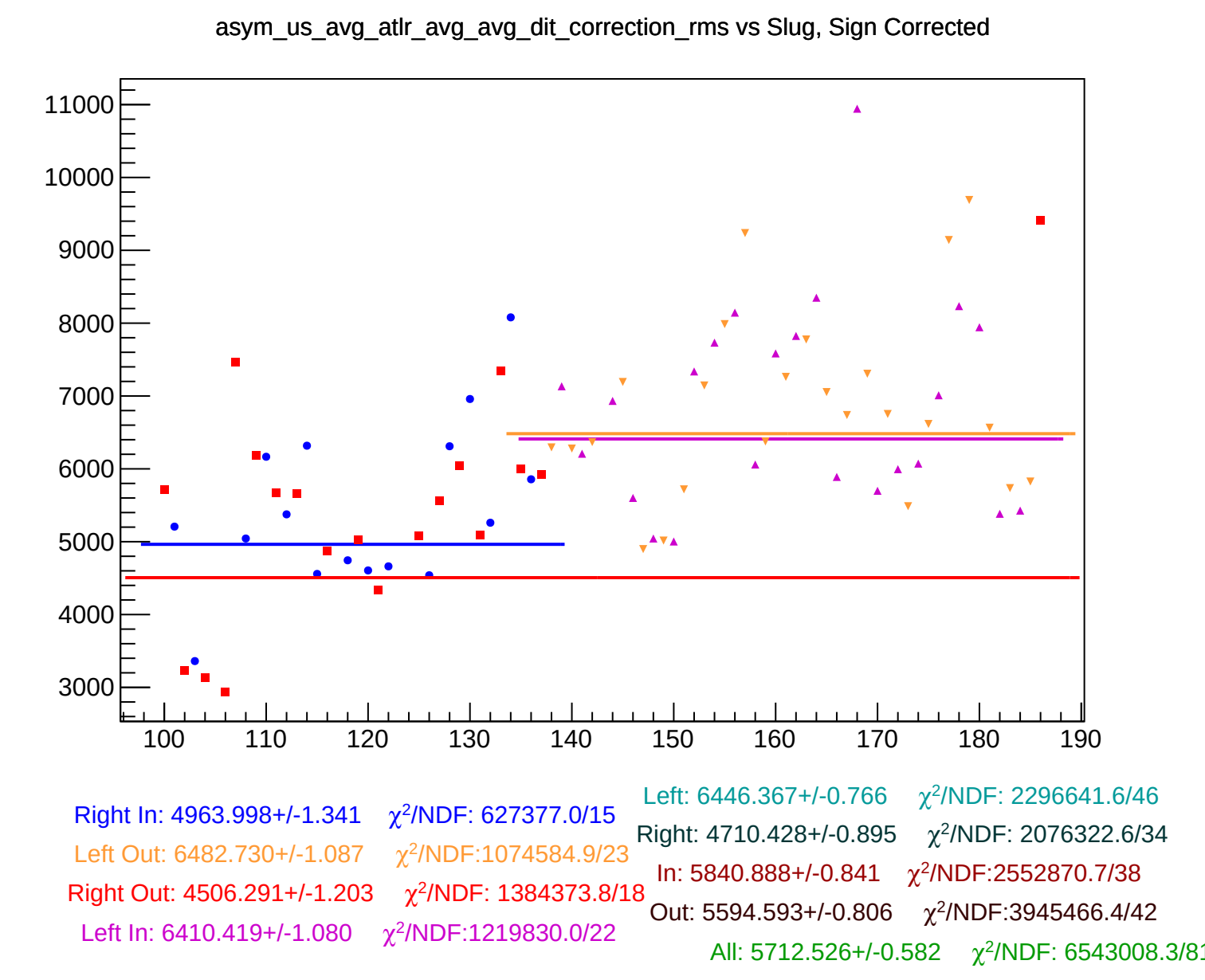
Right: 1904.826+/-0.353 χ^2/NDF: 431108.8/34

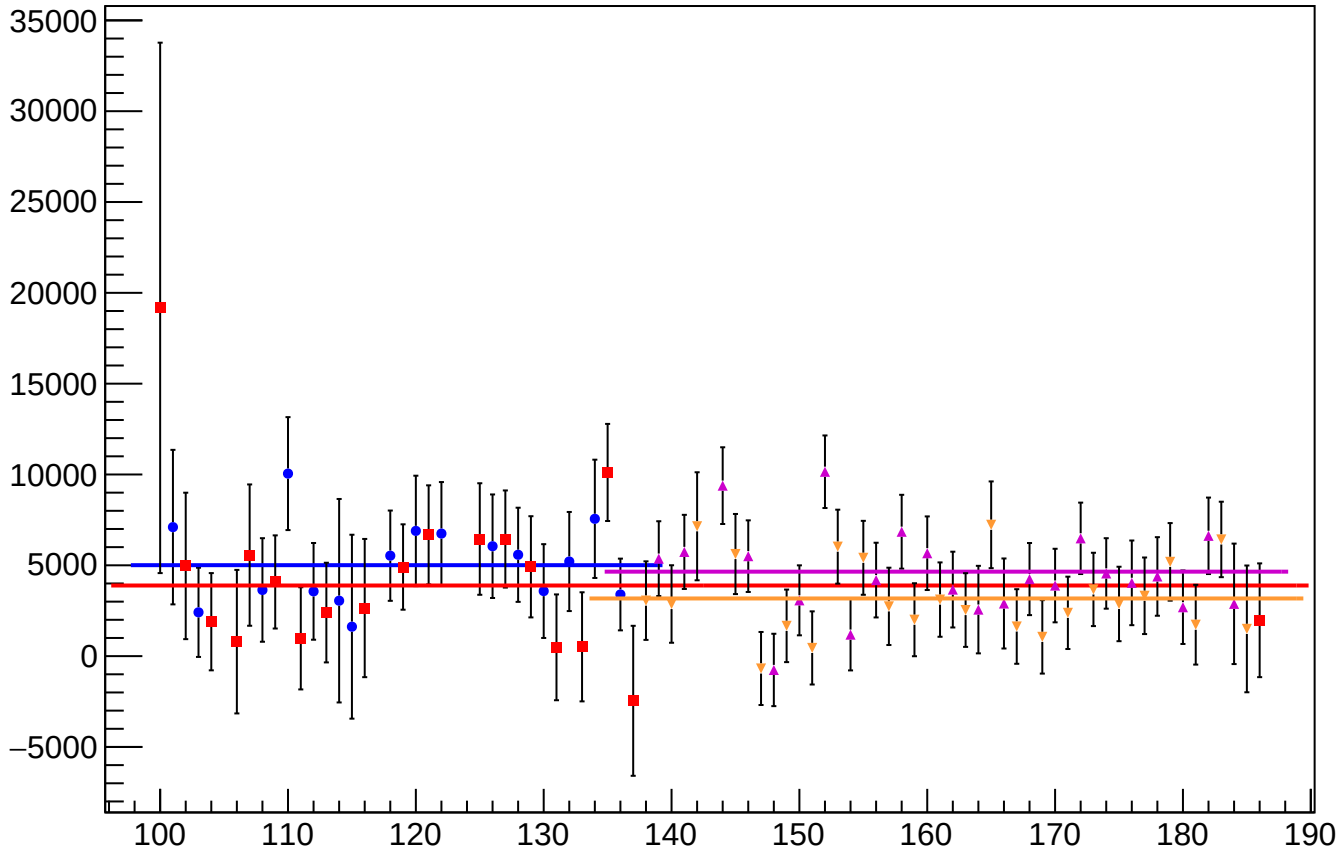
In: 1876.056+/-0.263 χ^2/NDF:308811.8/38

Out: 1882.385+/-0.261 χ^2/NDF:193758.8/42

All: 1879.245+/-0.185 χ^2/NDF: 502862.0/81


asym_us_avg_atlr_avg_avg_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: -1356.615+/-1895.990 χ²/NDF: 14.7/15
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -245.546+/-1701.170 χ²/NDF: 21.8/18
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -741.082+/-1266.202 χ²/NDF: 36.7/34
In: -730.972+/-1189.727 χ²/NDF:28.3/38
Out: -396.815+/-1140.370 χ²/NDF:51.0/42
All: -556.819+/-823.260 χ²/NDF: 79.3/81


asym_us_avg_atlr_avg_avg_dit_correction_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: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 4506.291+/-1.203 χ²/NDF: 1384373.8/18
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 4710.428+/-0.895 χ²/NDF: 2076322.6/34
In: 5840.888+/-0.841 χ²/NDF:2552870.7/38
Out: 5594.593+/-0.806 χ²/NDF:3945466.4/42
All: 5712.526+/-0.582 χ²/NDF: 6543008.3/81



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

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

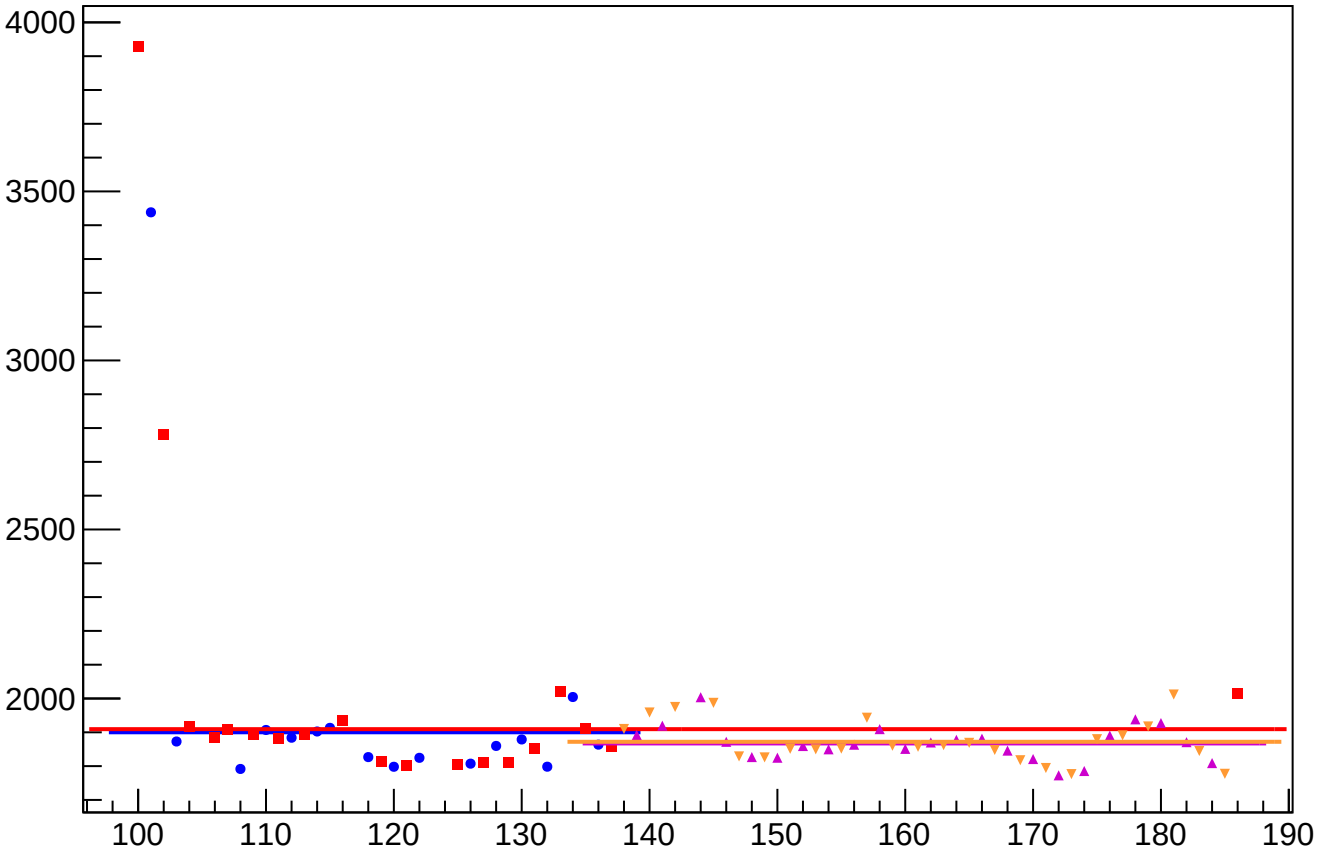
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

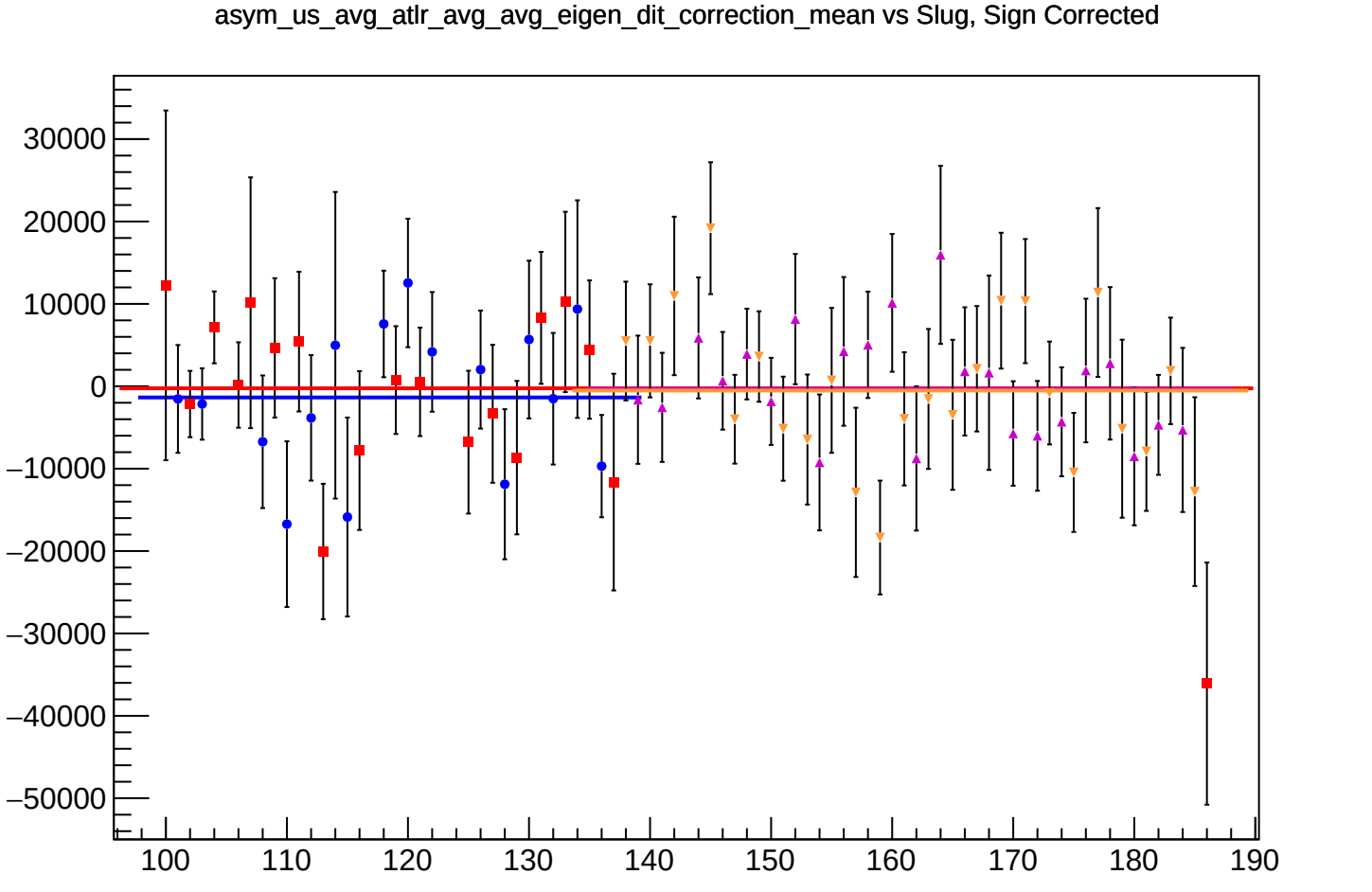
Right: 4437.313+/-500.159 χ^2/NDF: 26.7/34

In: 4747.438+/-372.240 χ^2/NDF:38.4/38

Out: 3372.944+/-369.474 χ^2/NDF:40.1/42

All: 4055.065+/-262.230 χ^2/NDF: 85.3/81


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1871.981+/-0.307 χ²/NDF:37155.9/23
Right Out: 1909.358+/-0.495 χ²/NDF: 152488.8/18
Left In: 1867.080+/-0.308 χ²/NDF:27247.8/22
Left: 1869.538+/-0.218 χ²/NDF: 64530.3/46
Right: 1904.826+/-0.353 χ²/NDF: 431108.3/34
In: 1876.056+/-0.263 χ²/NDF:308812.8/38
Out: 1882.386+/-0.261 χ²/NDF:193758.6/42
All: 1879.246+/-0.185 χ²/NDF: 502862.8/81



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

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

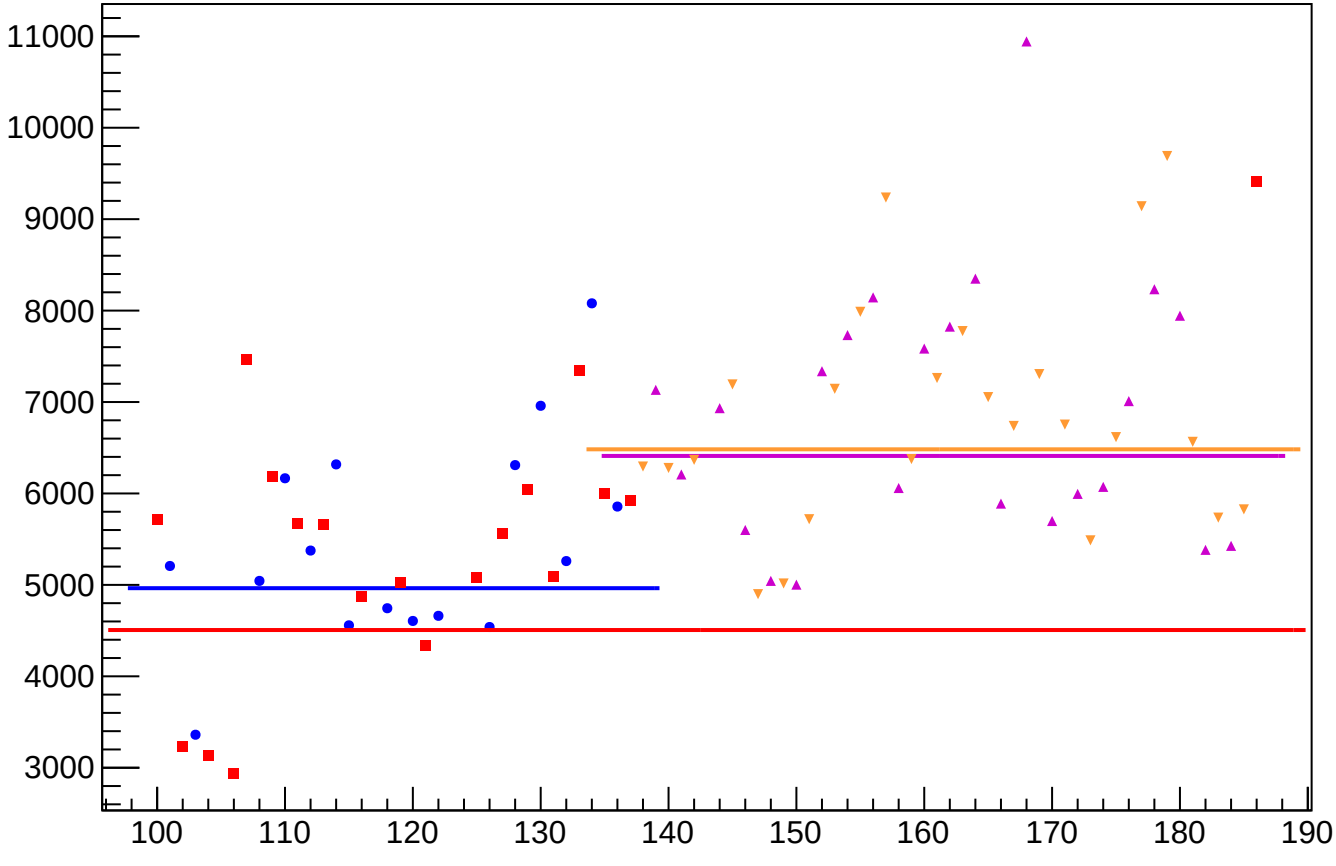
Right: -741.075+/-1266.199 χ^2/NDF: 36.7/34

In: -730.971+/-1189.727 χ^2/NDF:28.3/38

Out: -396.816+/-1140.370 χ^2/NDF:51.0/42

All: -556.819+/-823.259 χ^2/NDF: 79.3/81

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 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

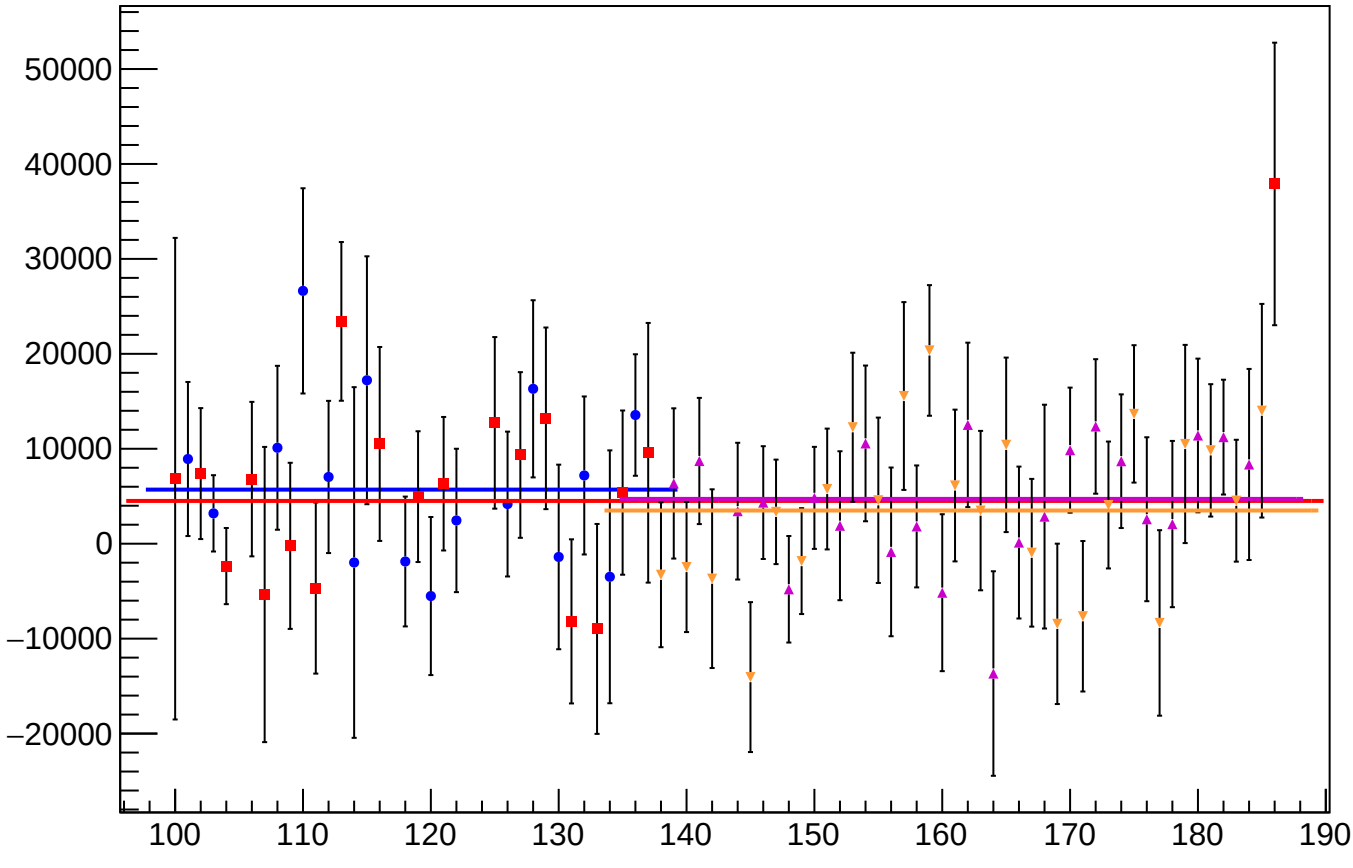
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 4710.416+/-0.895 χ^2/NDF: 2076325.6/34

In: 5840.887+/-0.841 χ^2/NDF:2552900.1/38

Out: 5594.590+/-0.806 χ^2/NDF:3945504.6/42

All: 5712.523+/-0.582 χ^2/NDF: 6543076.5/81



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

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

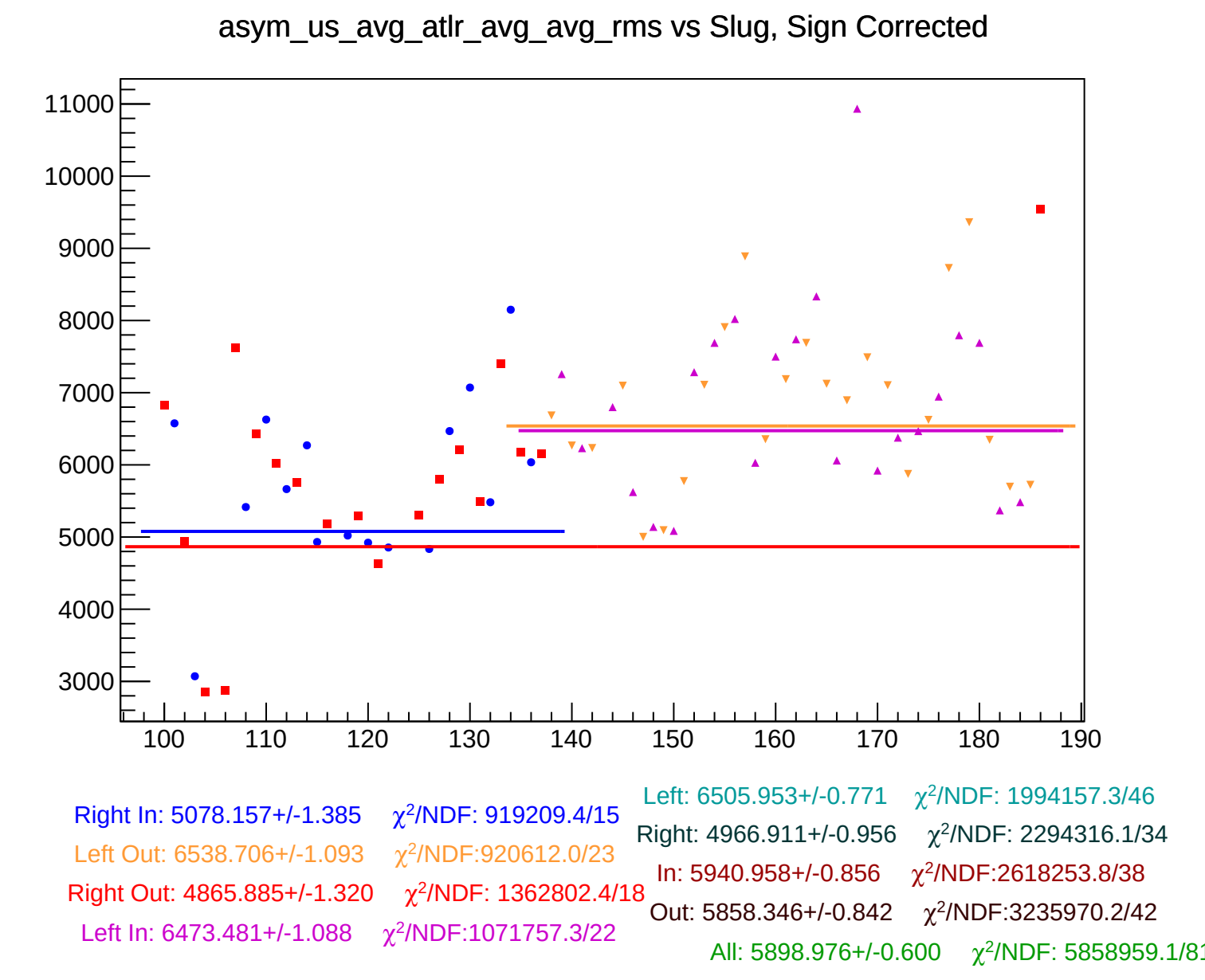
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

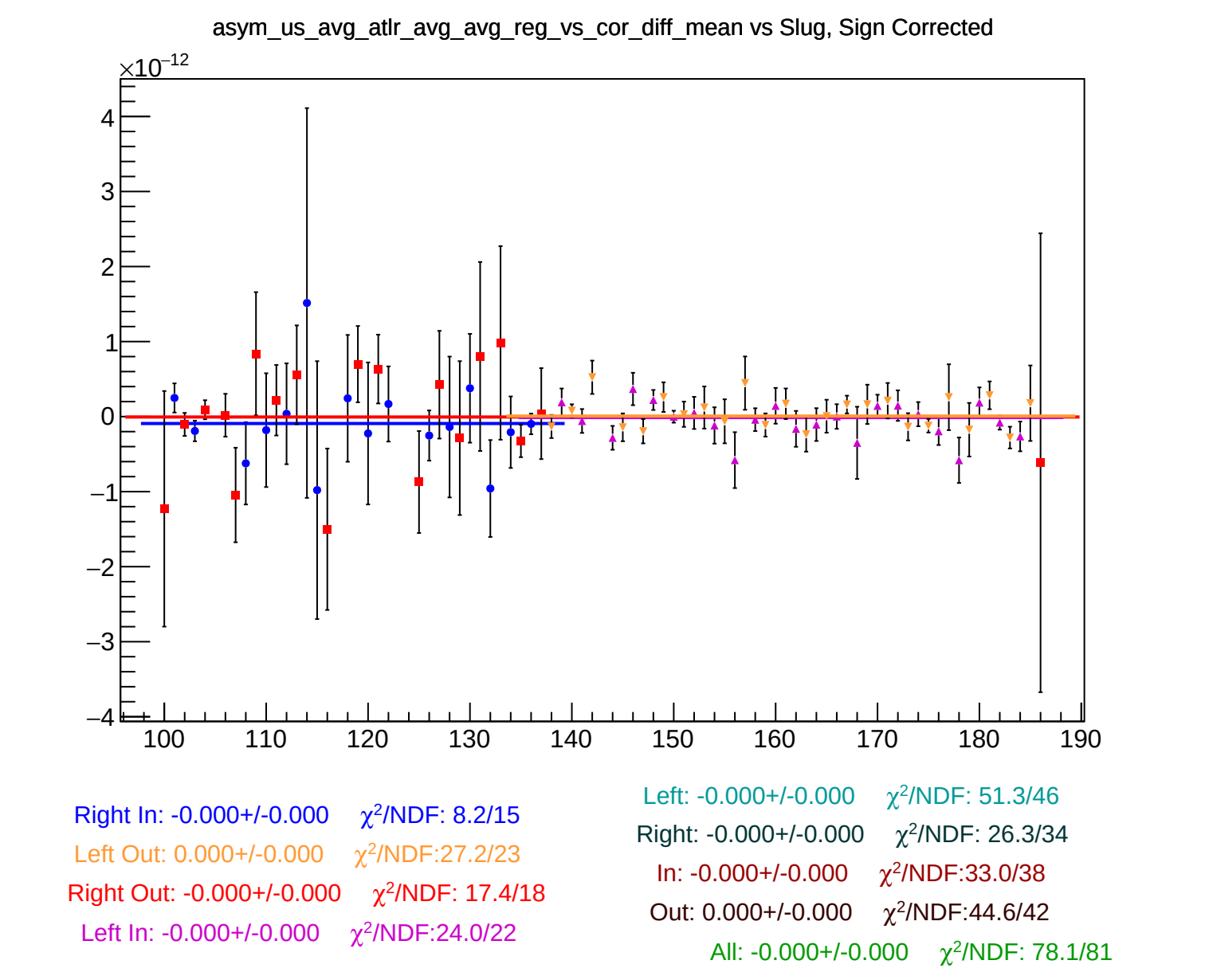
Right: 5084.615+/-1365.723 χ^2/NDF: 34.1/34

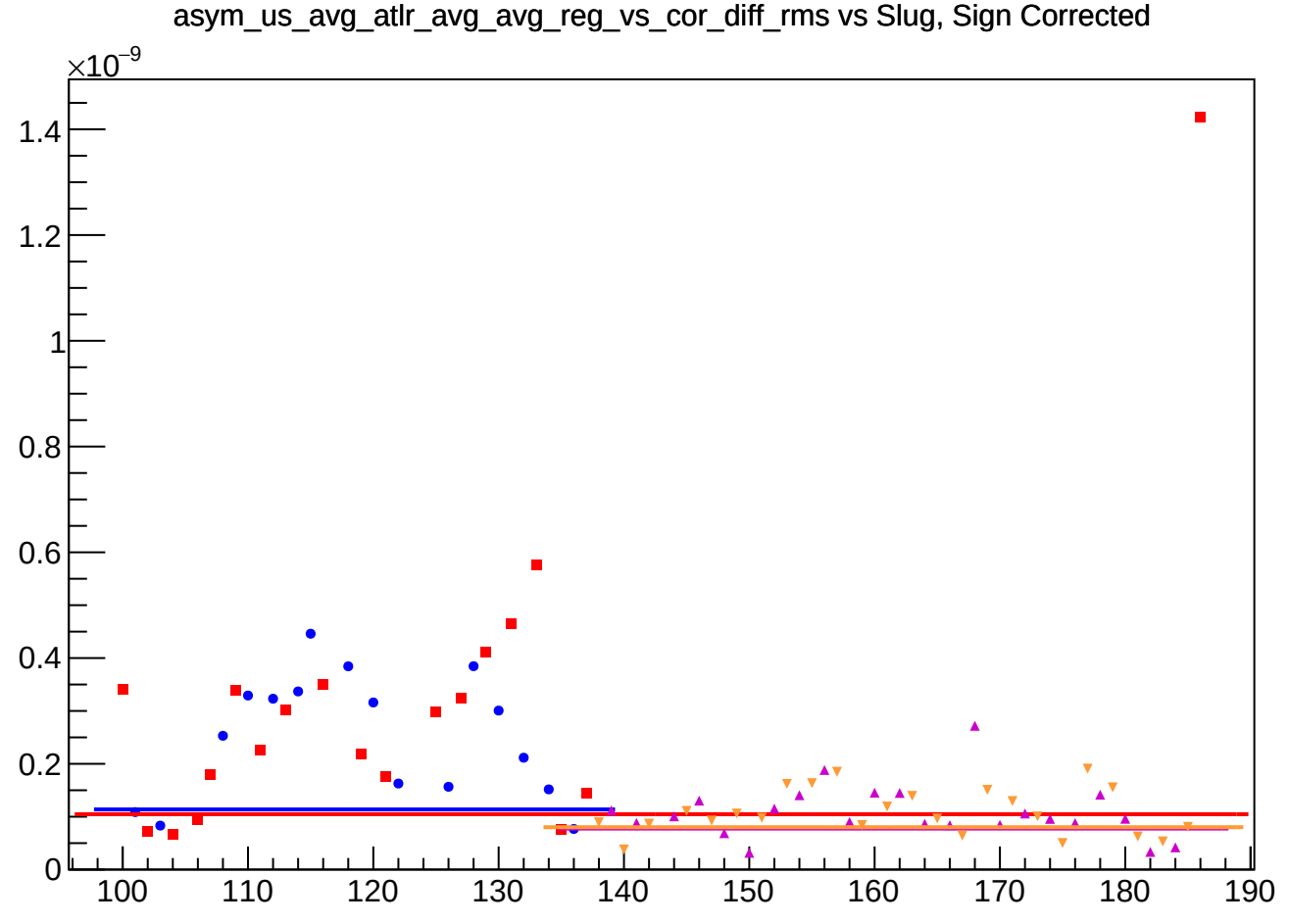
In: 5092.658+/-1210.345 χ^2/NDF:27.1/38

Out: 3897.594+/-1200.301 χ^2/NDF:48.9/42

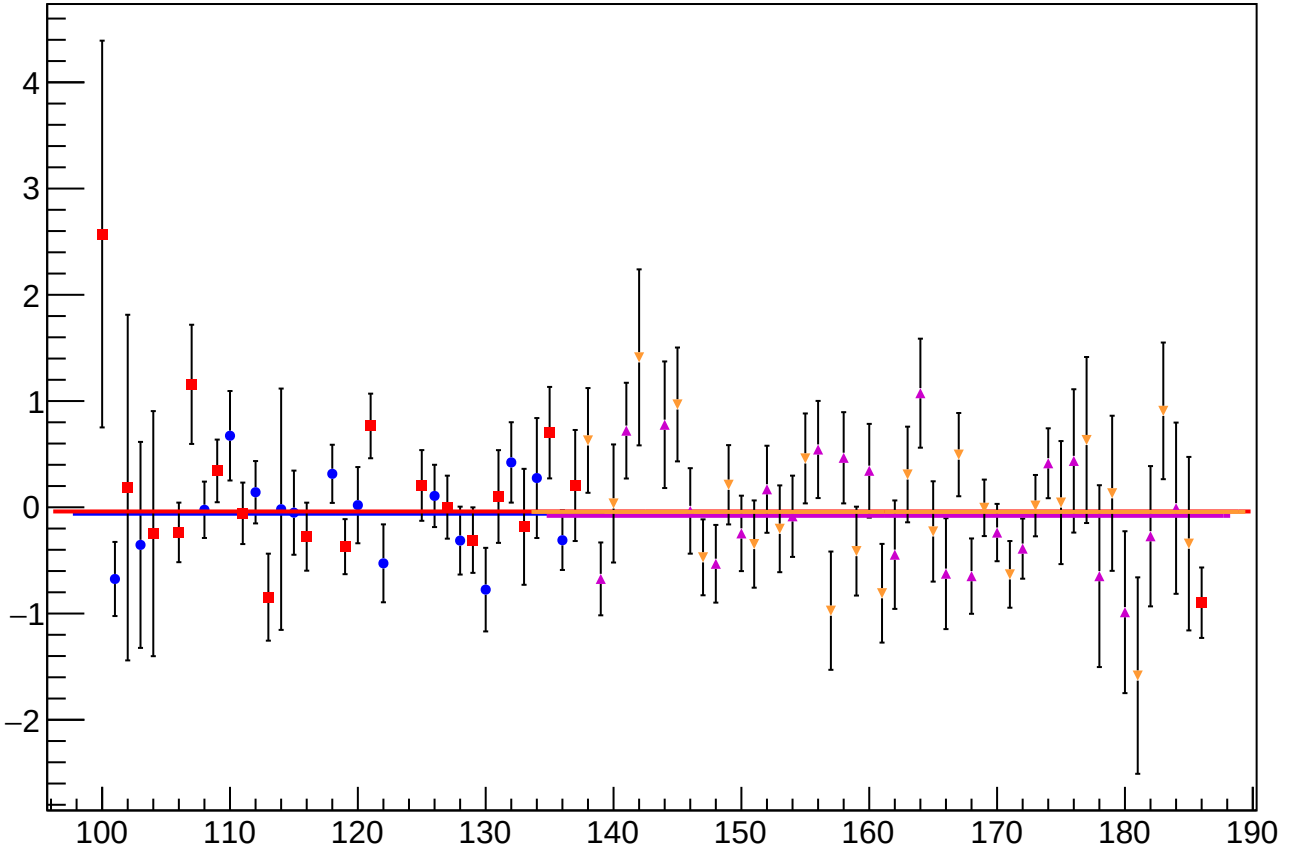
All: 4490.147+/-852.270 χ^2/NDF: 76.4/81


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: 5078.157+/-1.385 χ²/NDF: 919209.4/15
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: 4966.911+/-0.956 χ²/NDF: 2294316.1/34
In: 5940.958+/-0.856 χ²/NDF:2618253.8/38
Out: 5858.346+/-0.842 χ²/NDF:3235970.2/42
All: 5898.976+/-0.600 χ²/NDF: 5858959.1/81


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/18
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 26.3/34
In: -0.000+/-0.000 χ²/NDF:33.0/38
Out: 0.000+/-0.000 χ²/NDF:44.6/42
All: -0.000+/-0.000 χ²/NDF: 78.1/81


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: 1524807.9/15
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: 3997685.9/34
In: 0.000+/-0.000 χ²/NDF:4529463.8/38
Out: 0.000+/-0.000 χ²/NDF:4780433.2/42
All: 0.000+/-0.000 χ²/NDF: 9310623.7/81

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.043+/-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

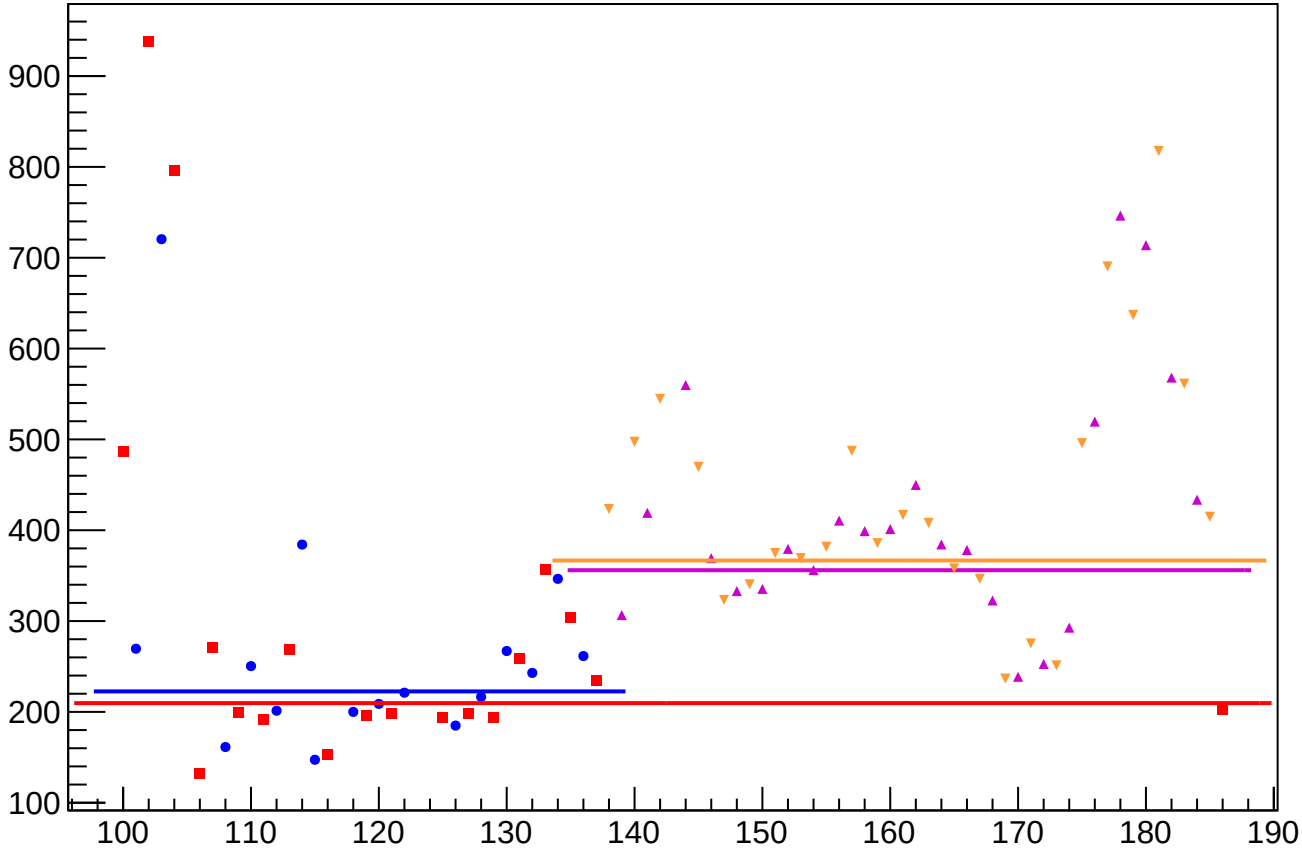
Right: -0.049+/-0.061 χ^2/NDF: 50.6/34

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.056+/-0.044 χ^2/NDF: 112.1/81

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 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

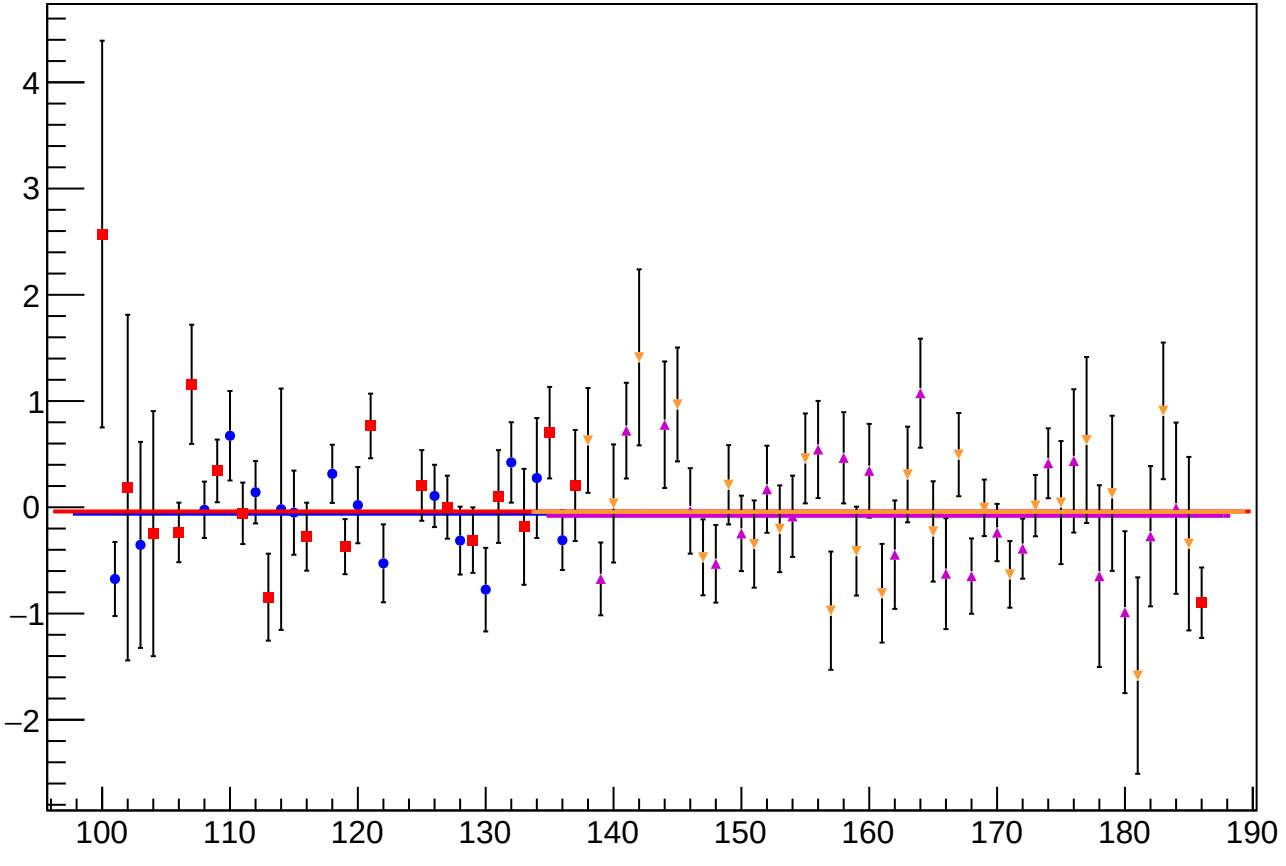
Right: 215.798+/-0.043 χ^2/NDF: 2590502.4/34

In: 289.954+/-0.044 χ^2/NDF:5727114.6/38

Out: 282.852+/-0.044 χ^2/NDF:7607658.2/42

All: 286.368+/-0.031 χ^2/NDF: 13347862.1/81

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.043+/-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

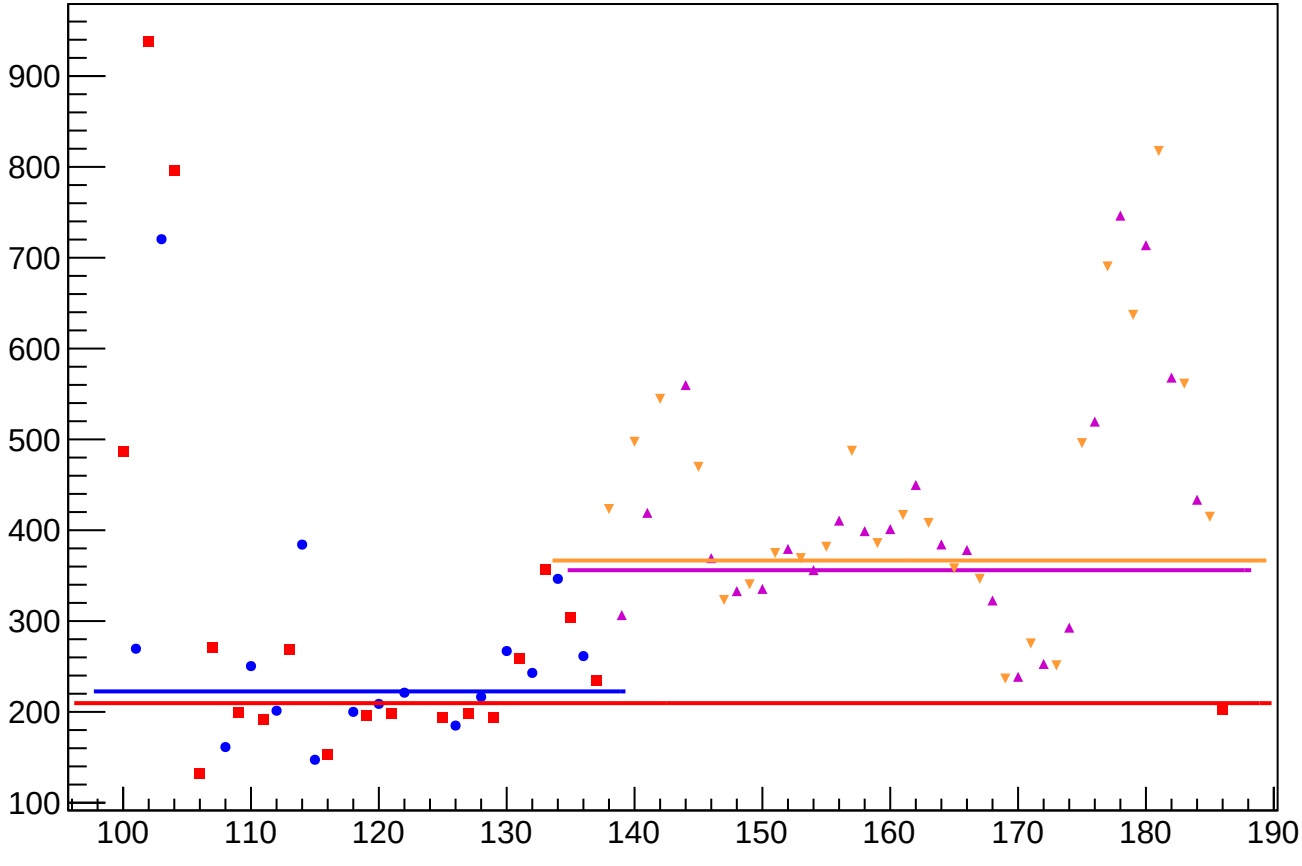
Right: -0.049+/-0.061 χ^2/NDF: 50.6/34

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.056+/-0.044 χ^2/NDF: 112.1/81

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 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

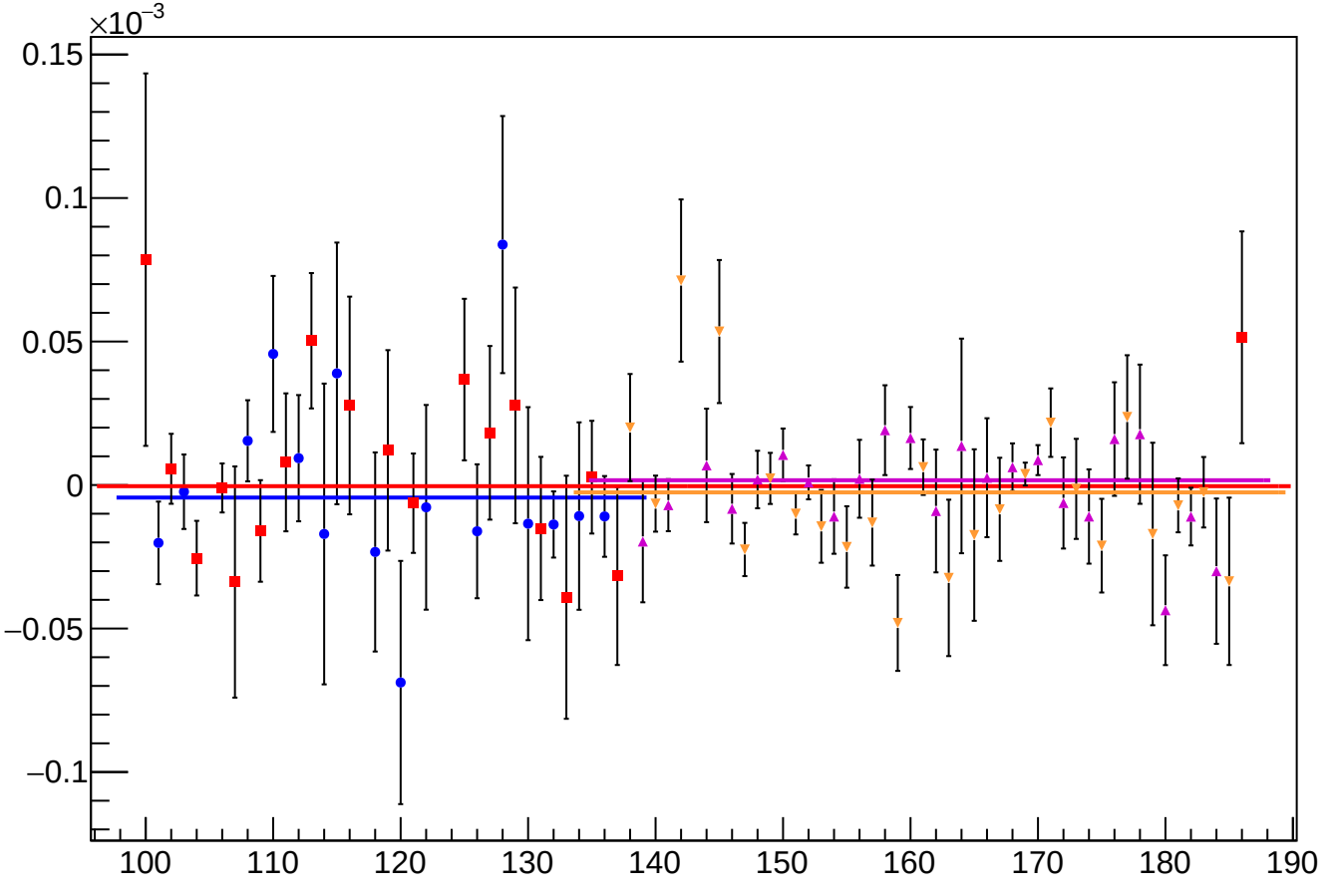
Right: 215.798+/-0.043 χ^2/NDF: 2590502.4/34

In: 289.954+/-0.044 χ^2/NDF:5727114.6/38

Out: 282.852+/-0.044 χ^2/NDF:7607658.2/42

All: 286.368+/-0.031 χ^2/NDF: 13347862.1/81

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF: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

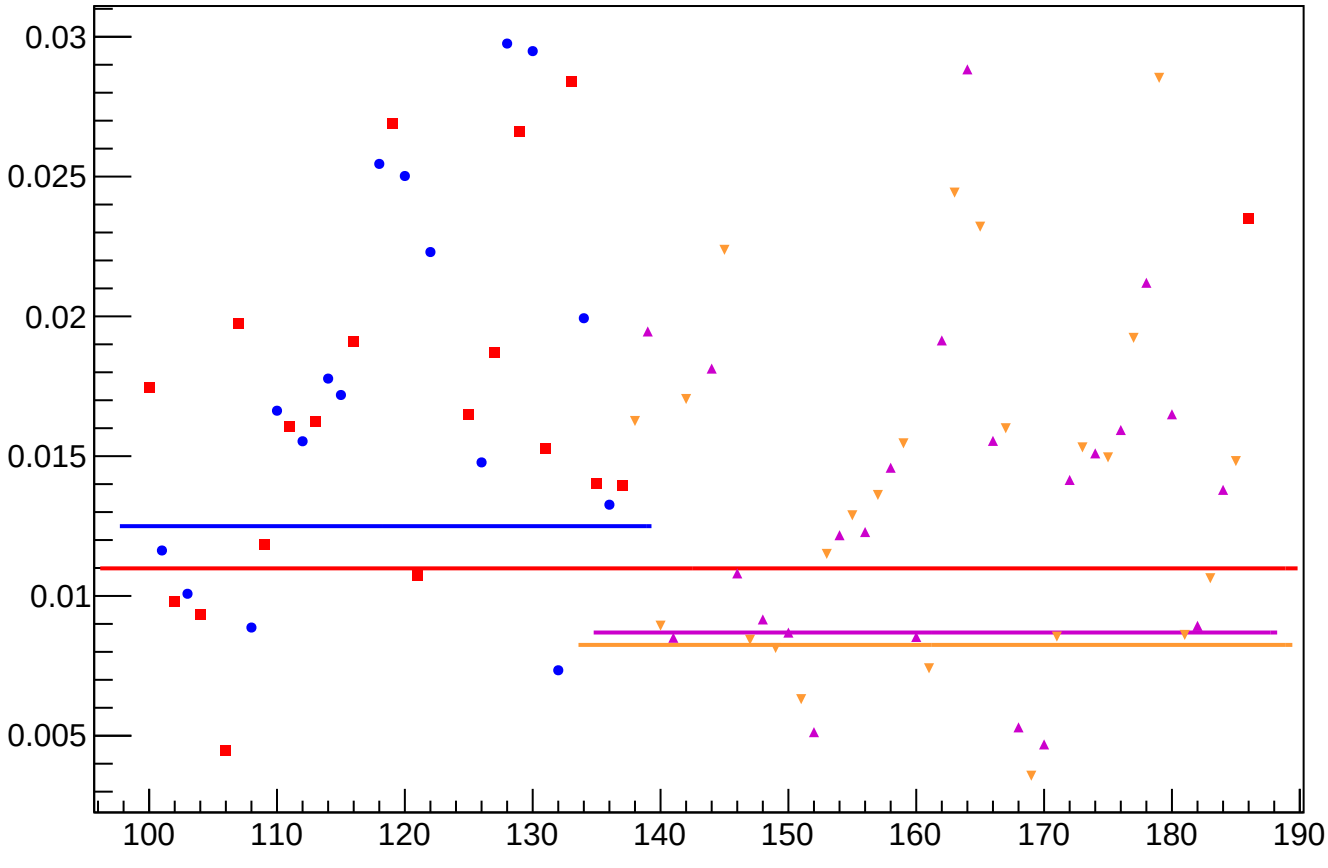
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 35.2/34

In: 0.000+/-0.000 χ^2/NDF:37.5/38

Out: -0.000+/-0.000 χ^2/NDF:62.9/42

All: -0.000+/-0.000 χ^2/NDF: 101.3/81



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

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

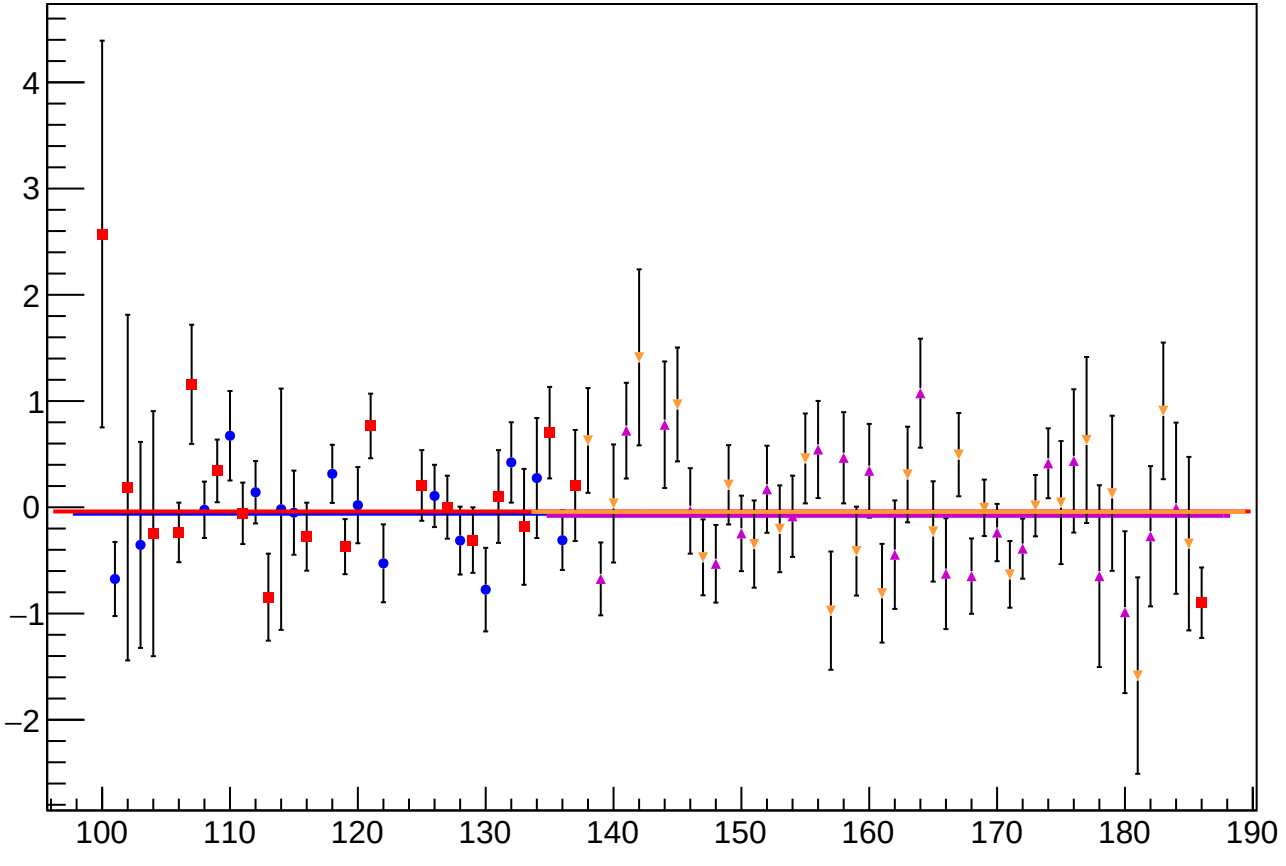
Right: 0.012+/-0.000 χ^2/NDF: 5434291.8/34

In: 0.009+/-0.000 χ^2/NDF:9911944.4/38

Out: 0.009+/-0.000 χ^2/NDF:12680771.5/42

All: 0.009+/-0.000 χ^2/NDF: 22667464.4/81

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.043+/-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

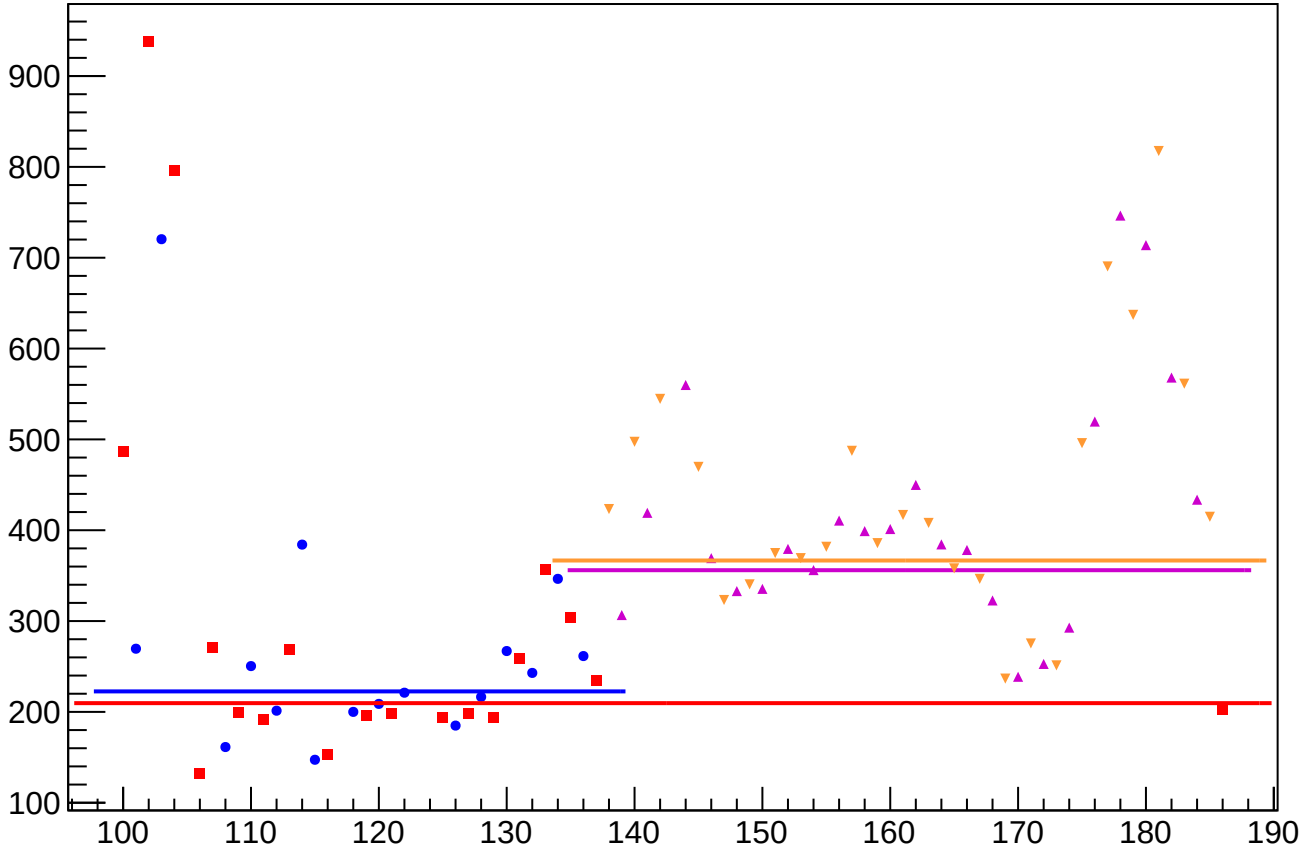
Right: -0.049+/-0.061 χ^2/NDF: 50.6/34

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.056+/-0.044 χ^2/NDF: 112.1/81

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 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

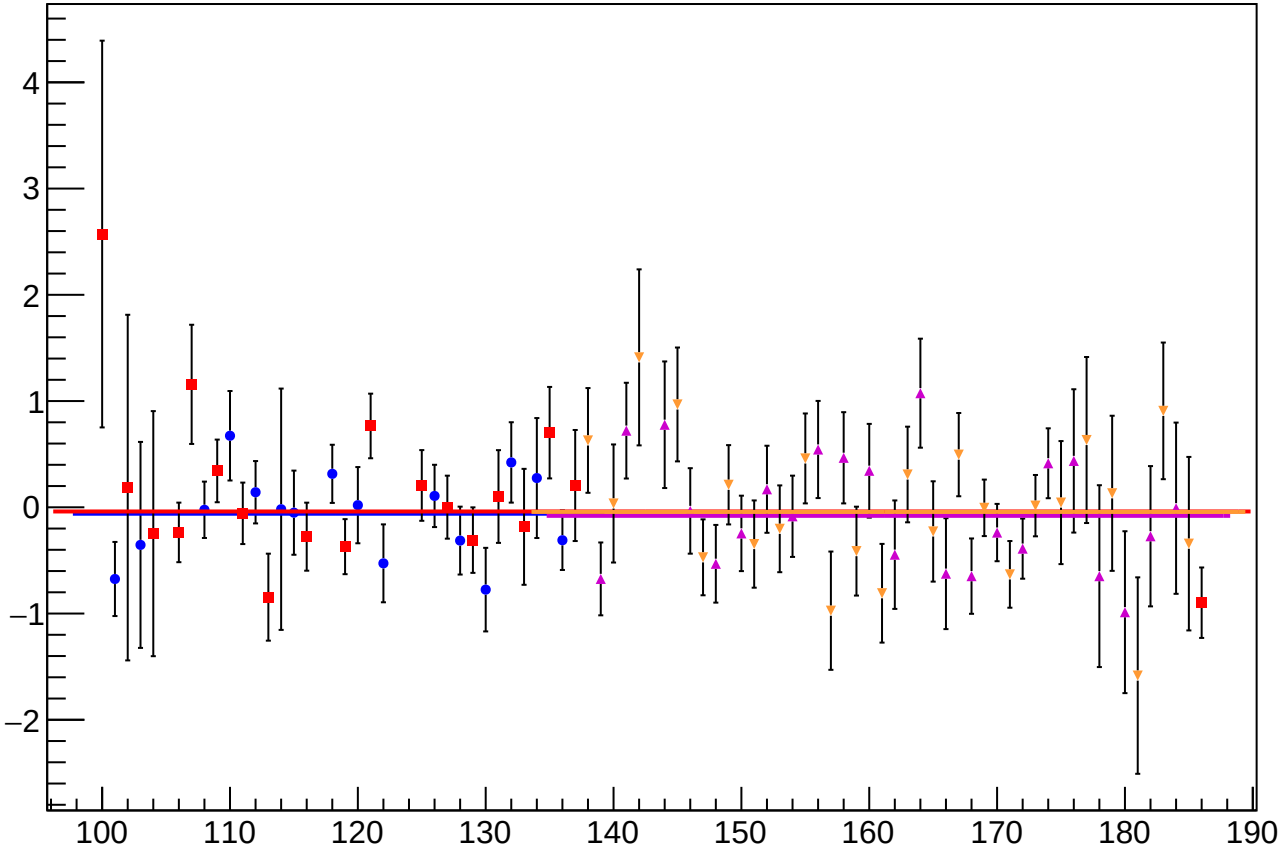
Right: 215.796+/-0.043 χ^2/NDF: 2590475.8/34

In: 289.953+/-0.044 χ^2/NDF:5727378.2/38

Out: 282.849+/-0.044 χ^2/NDF:7608032.3/42

All: 286.366+/-0.031 χ^2/NDF: 13348506.7/81

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.043+/-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

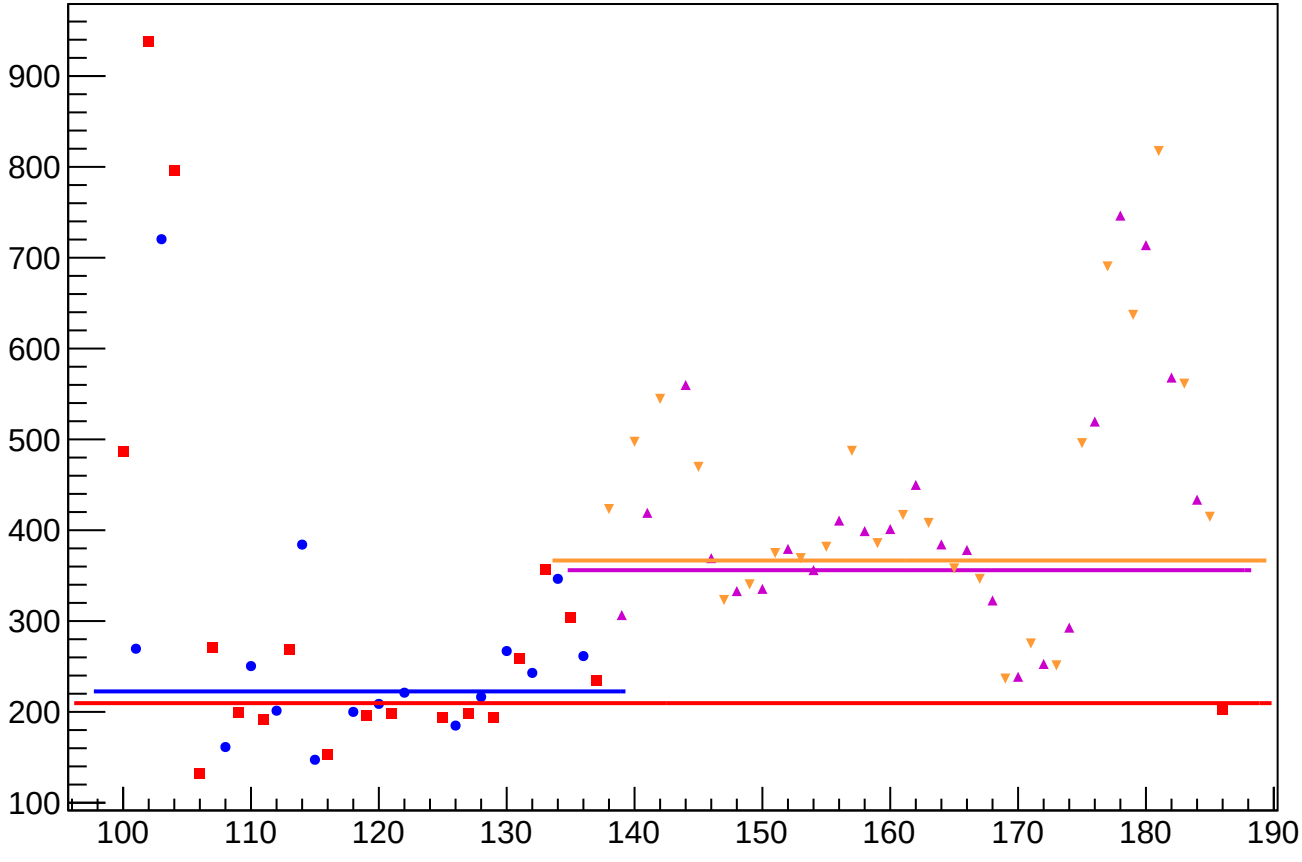
Right: -0.049+/-0.061 χ^2/NDF: 50.6/34

In: -0.070+/-0.062 χ^2/NDF:47.7/38

Out: -0.041+/-0.062 χ^2/NDF:64.3/42

All: -0.056+/-0.044 χ^2/NDF: 112.1/81

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 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

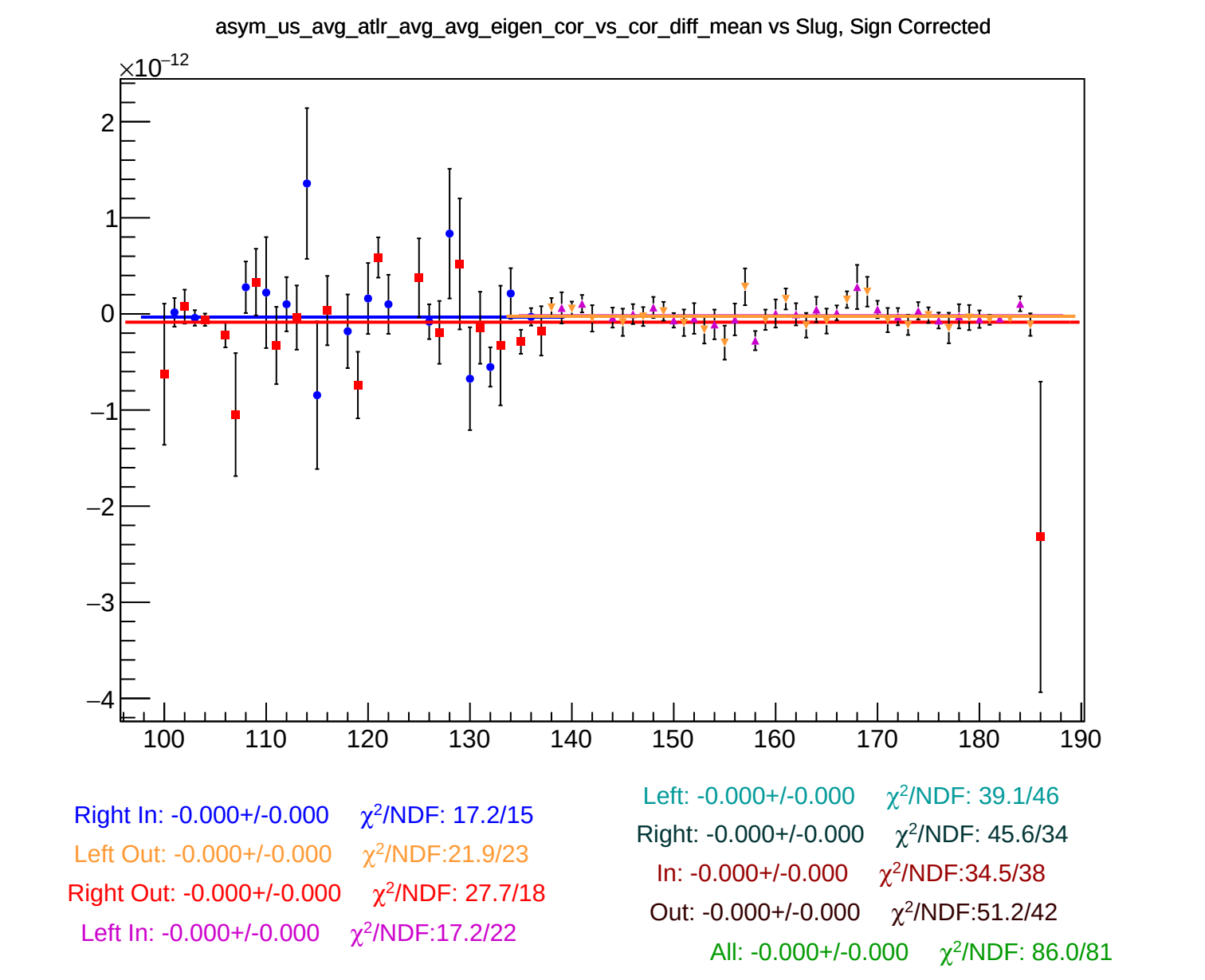
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 215.796+/-0.043 χ^2/NDF: 2590475.8/34

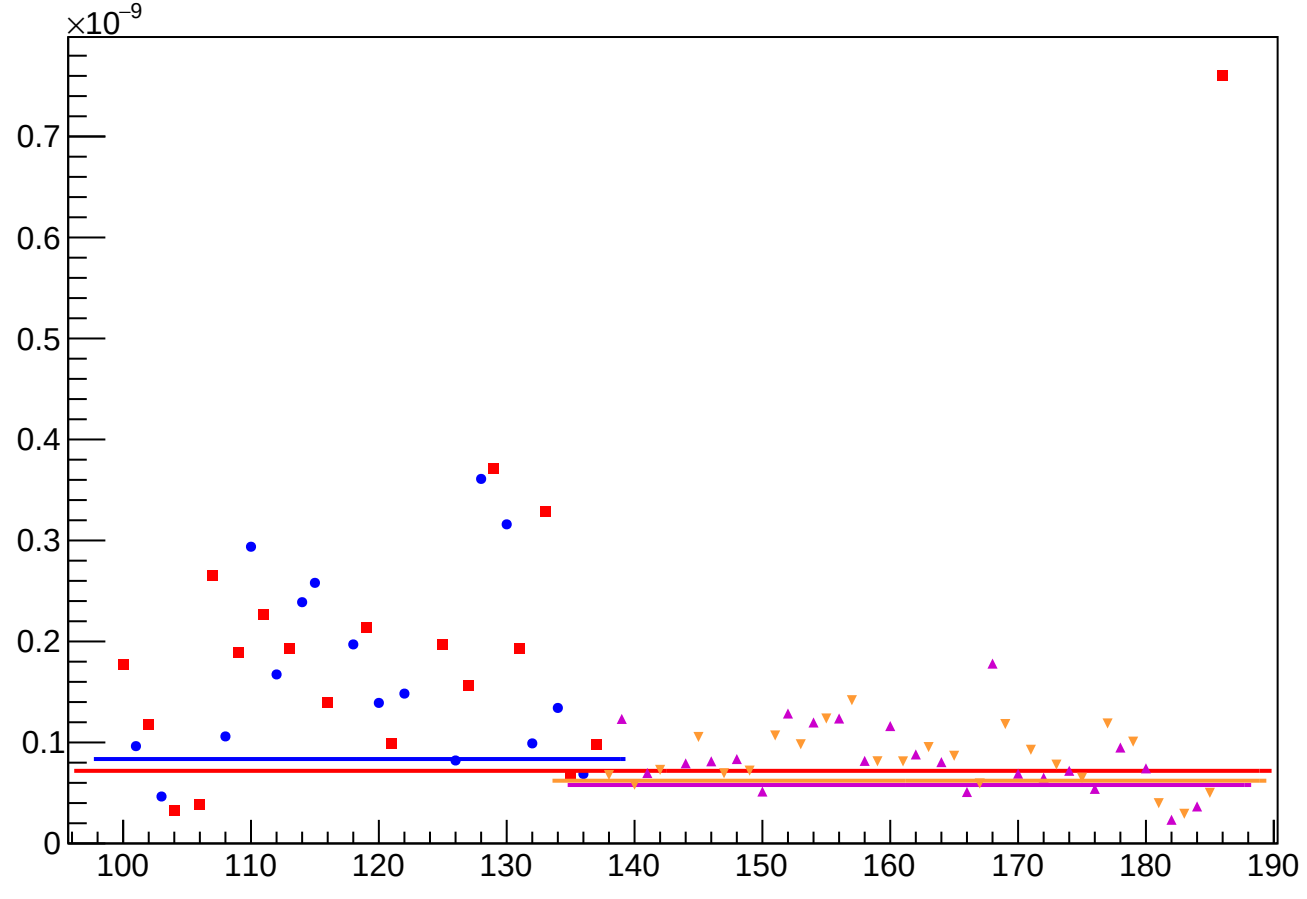
In: 289.953+/-0.044 χ^2/NDF:5727378.2/38

Out: 282.849+/-0.044 χ^2/NDF:7608032.3/42

All: 286.366+/-0.031 χ^2/NDF: 13348506.7/81


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: 17.2/15
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: 45.6/34
In: -0.000+/-0.000 χ²/NDF:34.5/38
Out: -0.000+/-0.000 χ²/NDF:51.2/42
All: -0.000+/-0.000 χ²/NDF: 86.0/81

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: 2235431.4/15

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

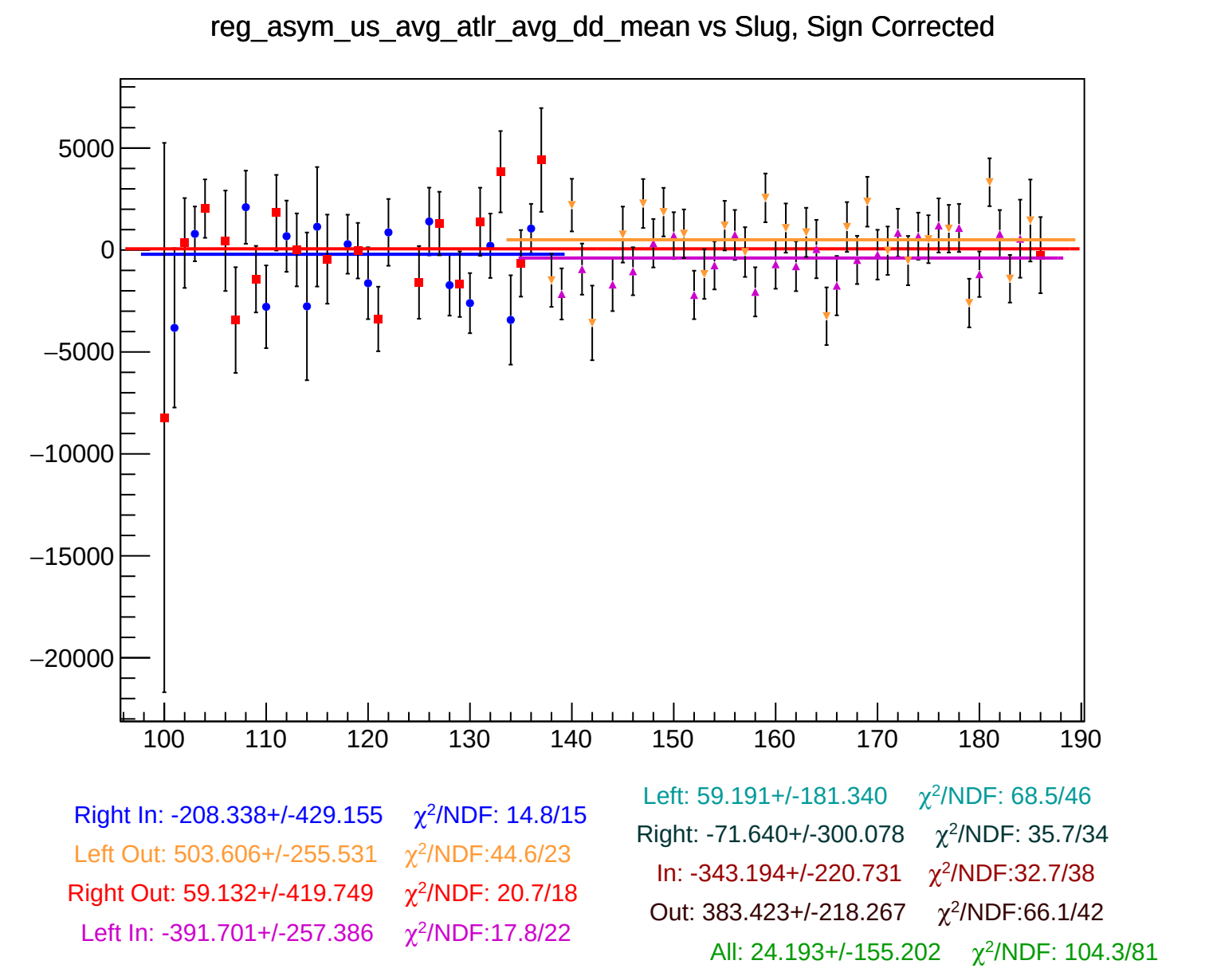
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

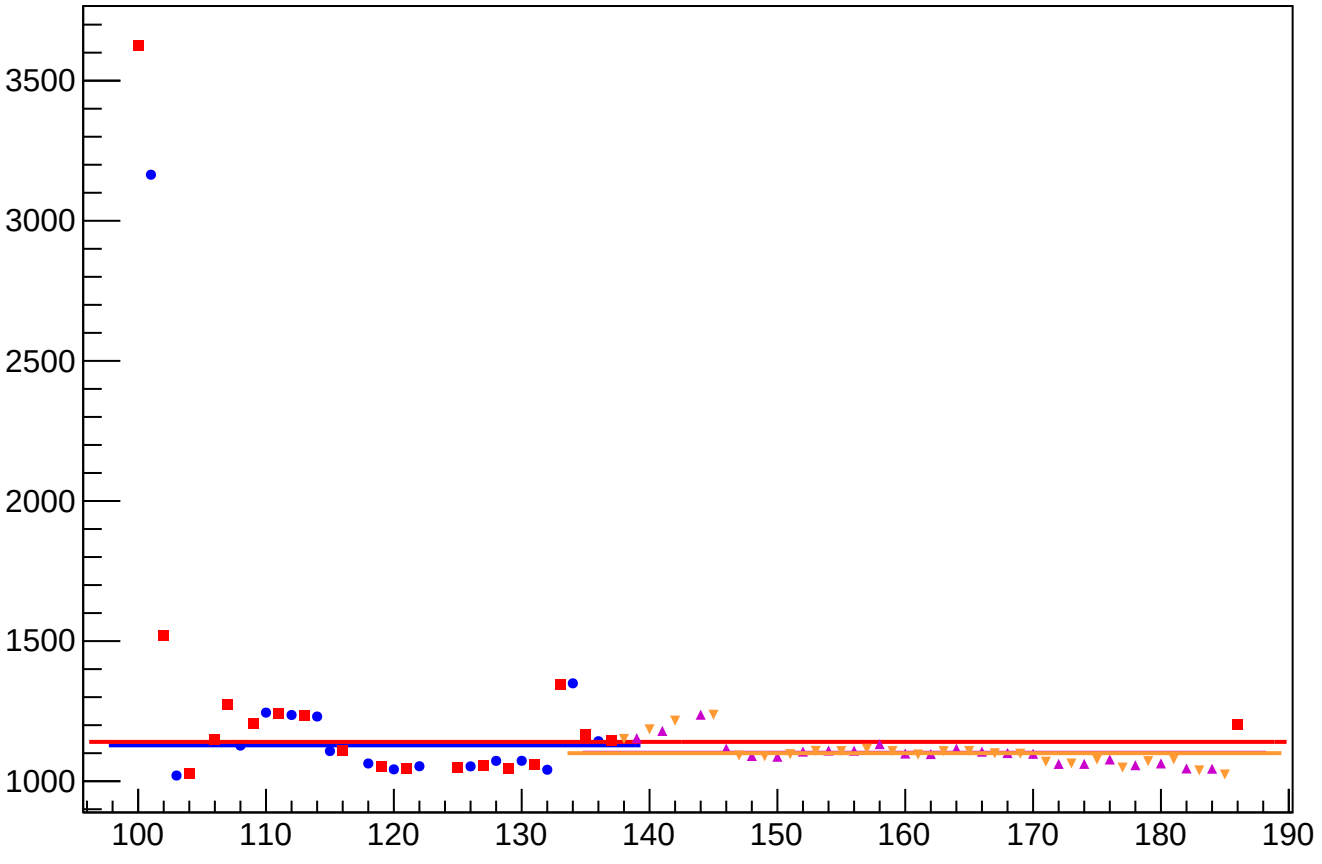
Right: 0.000+/-0.000 χ^2/NDF: 6409651.1/34

In: 0.000+/-0.000 χ^2/NDF:8265781.9/38

Out: 0.000+/-0.000 χ^2/NDF:8291024.5/42

All: 0.000+/-0.000 χ^2/NDF: 16575932.2/81


reg_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -208.338+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.606+/-255.531 χ²/NDF:44.6/23
Right Out: 59.132+/-419.749 χ²/NDF: 20.7/18
Left In: -391.701+/-257.386 χ²/NDF:17.8/22
Left: 59.191+/-181.340 χ²/NDF: 68.5/46
Right: -71.640+/-300.078 χ²/NDF: 35.7/34
In: -343.194+/-220.731 χ²/NDF:32.7/38
Out: 383.423+/-218.267 χ²/NDF:66.1/42
All: 24.193+/-155.202 χ²/NDF: 104.3/81



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

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

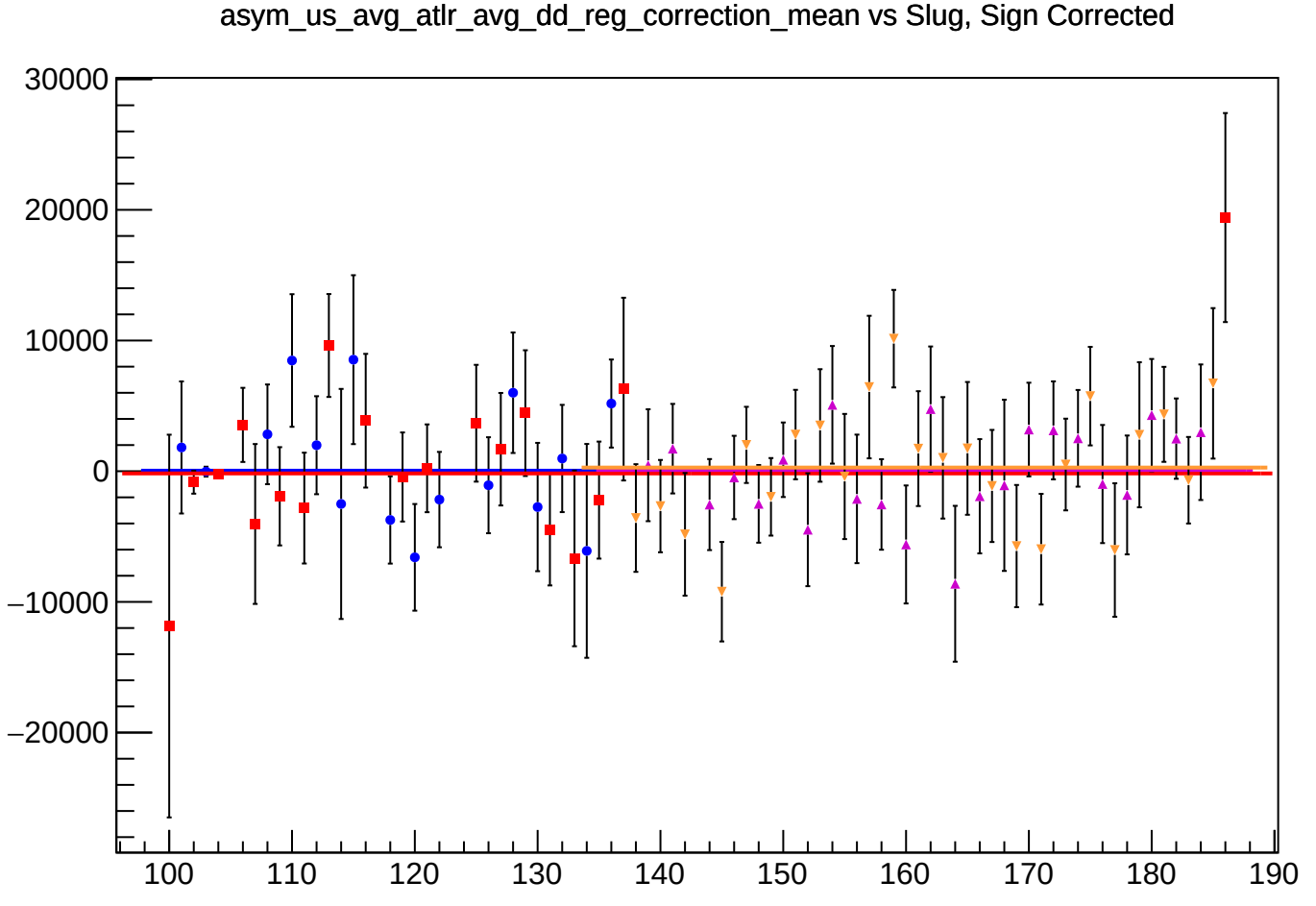
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

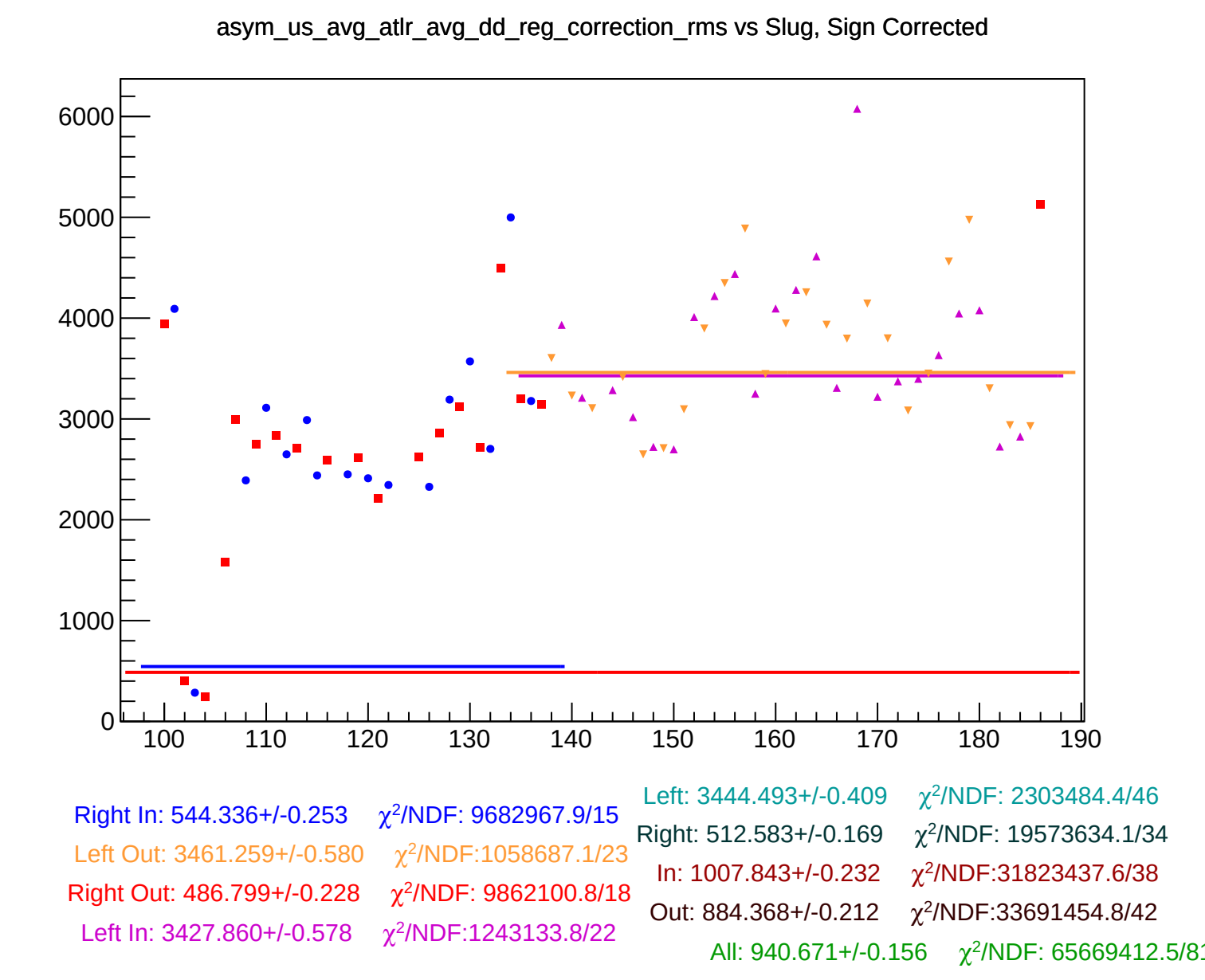
Right: 1134.304+/-0.212 χ^2/NDF: 844615.3/34

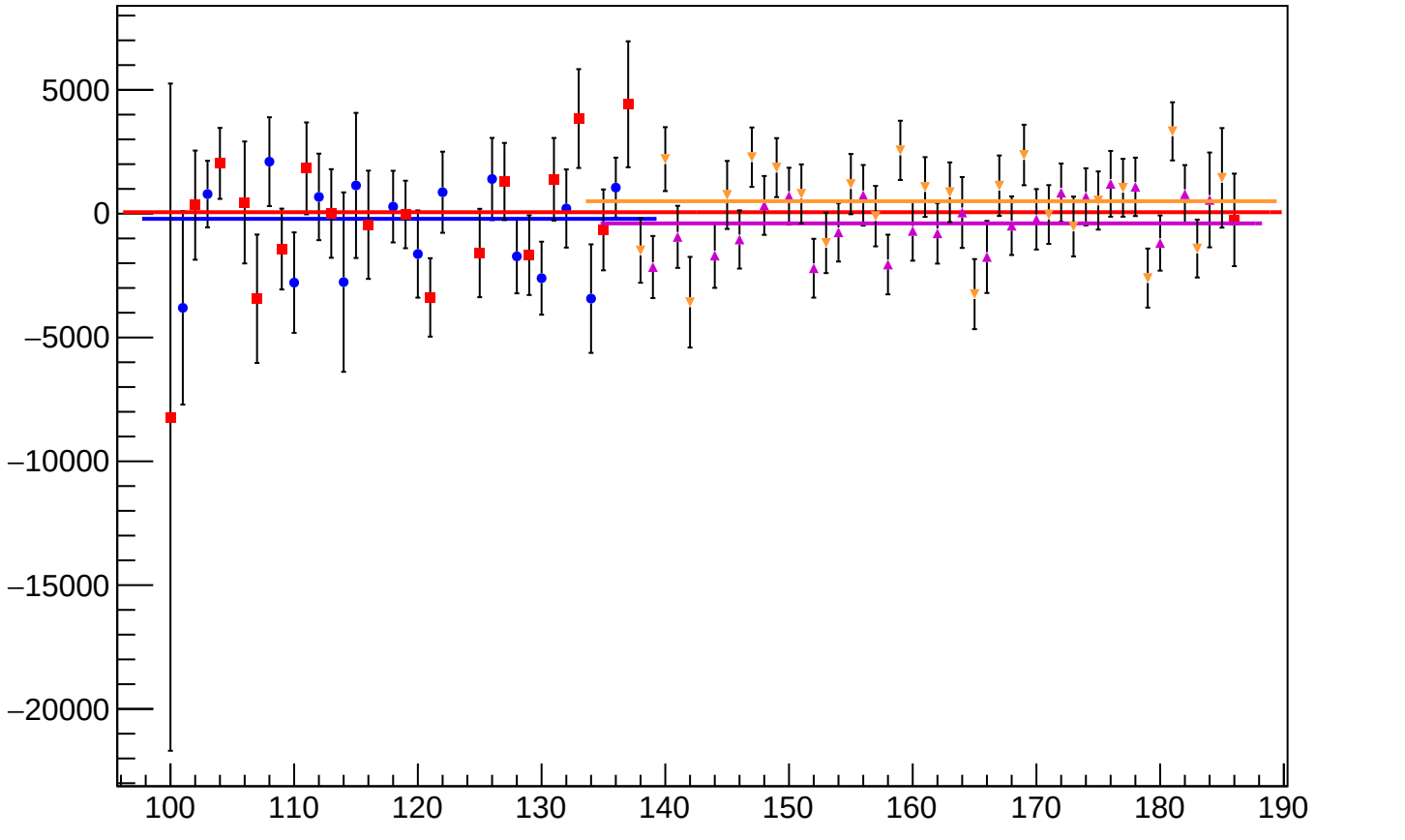
In: 1108.534+/-0.156 χ^2/NDF:679139.6/38

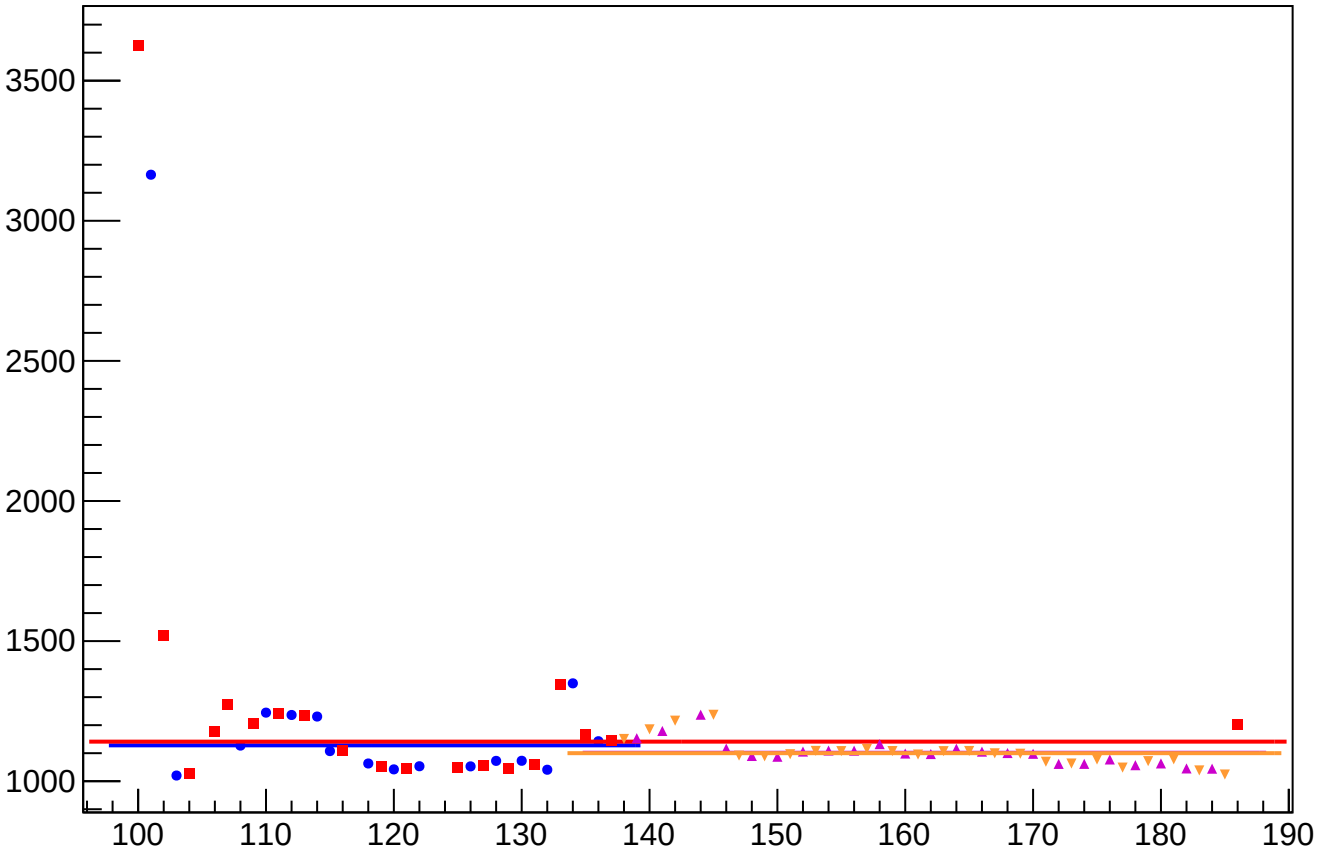
Out: 1110.972+/-0.154 χ^2/NDF:294560.6/42

All: 1109.768+/-0.110 χ^2/NDF: 973823.6/81


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -169.792+/-322.283 χ²/NDF: 21.6/18
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -76.541+/-239.419 χ²/NDF: 36.7/34
In: 47.372+/-327.648 χ²/NDF:28.5/38
Out: -110.006+/-299.972 χ²/NDF:51.8/42
All: -38.243+/-221.251 χ²/NDF: 80.4/81


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 486.799+/-0.228 χ²/NDF: 9862100.8/18
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
Left: 3444.493+/-0.409 χ²/NDF: 2303484.4/46
Right: 512.583+/-0.169 χ²/NDF: 19573634.1/34
In: 1007.843+/-0.232 χ²/NDF:31823437.6/38
Out: 884.368+/-0.212 χ²/NDF:33691454.8/42
All: 940.671+/-0.156 χ²/NDF: 65669412.5/81


cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 59.268+/-419.749 χ²/NDF: 20.7/18
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: -71.459+/-300.078 χ²/NDF: 35.6/34
In: -343.124+/-220.731 χ²/NDF:32.7/38
Out: 383.514+/-218.267 χ²/NDF:66.1/42
All: 24.274+/-155.202 χ²/NDF: 104.3/81



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

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

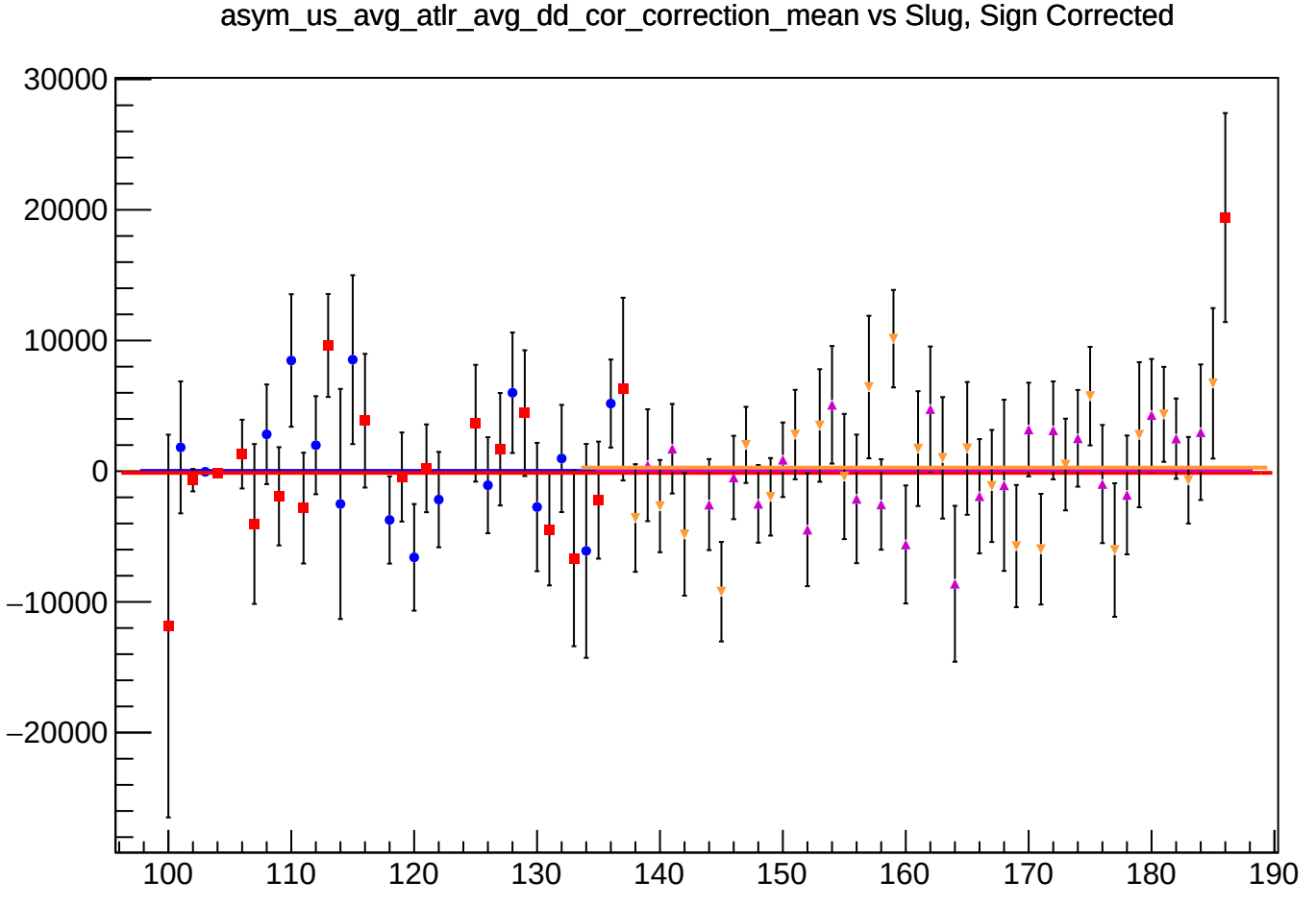
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1134.766+/-0.212 χ^2/NDF: 845216.3/34

In: 1108.534+/-0.156 χ^2/NDF:679140.6/38

Out: 1111.202+/-0.154 χ^2/NDF:295627.2/42

All: 1109.883+/-0.110 χ^2/NDF: 974915.5/81



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

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

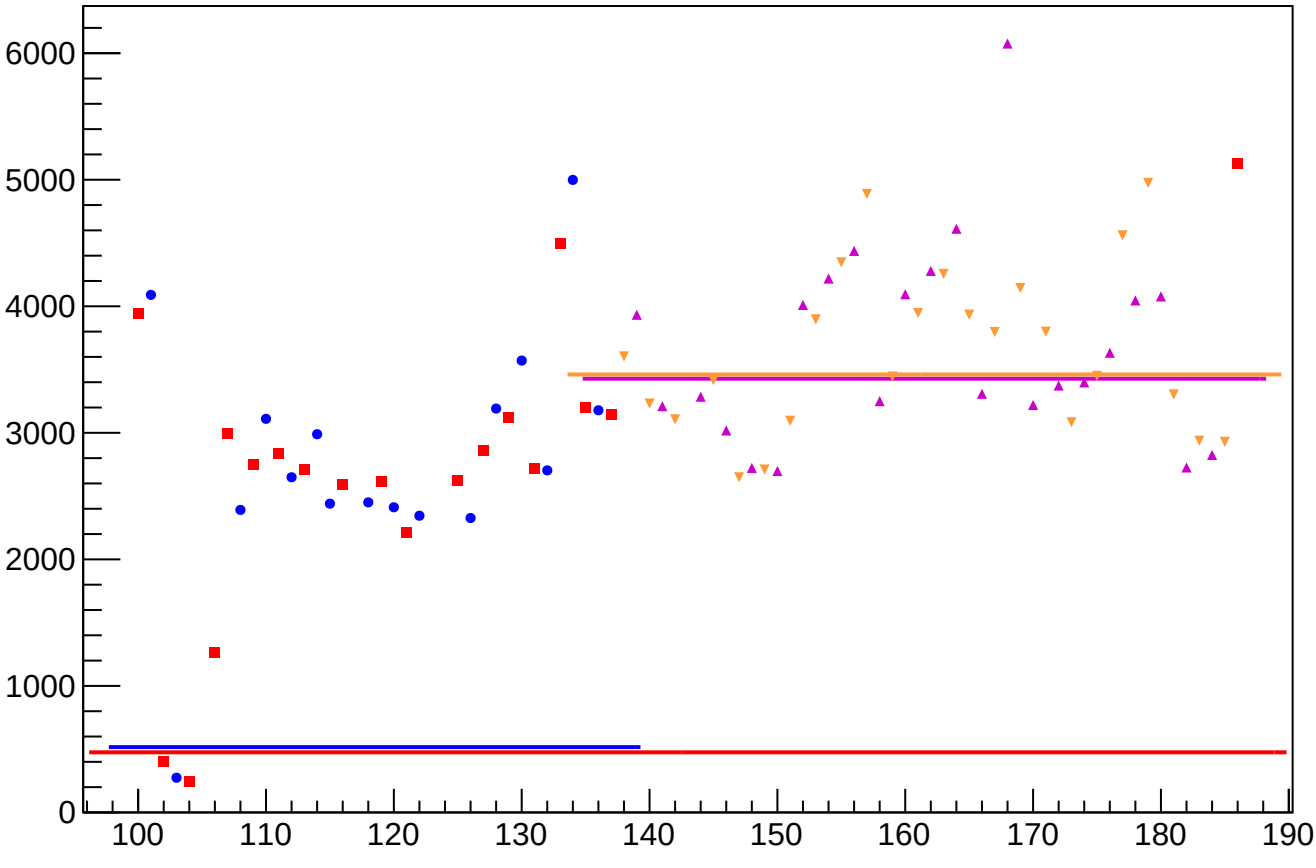
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -57.994+/-233.325 χ^2/NDF: 34.9/34

In: 32.676+/-317.467 χ^2/NDF:28.5/38

Out: -73.090+/-295.794 χ^2/NDF:50.1/42

All: -23.940+/-216.414 χ^2/NDF: 78.6/81



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

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

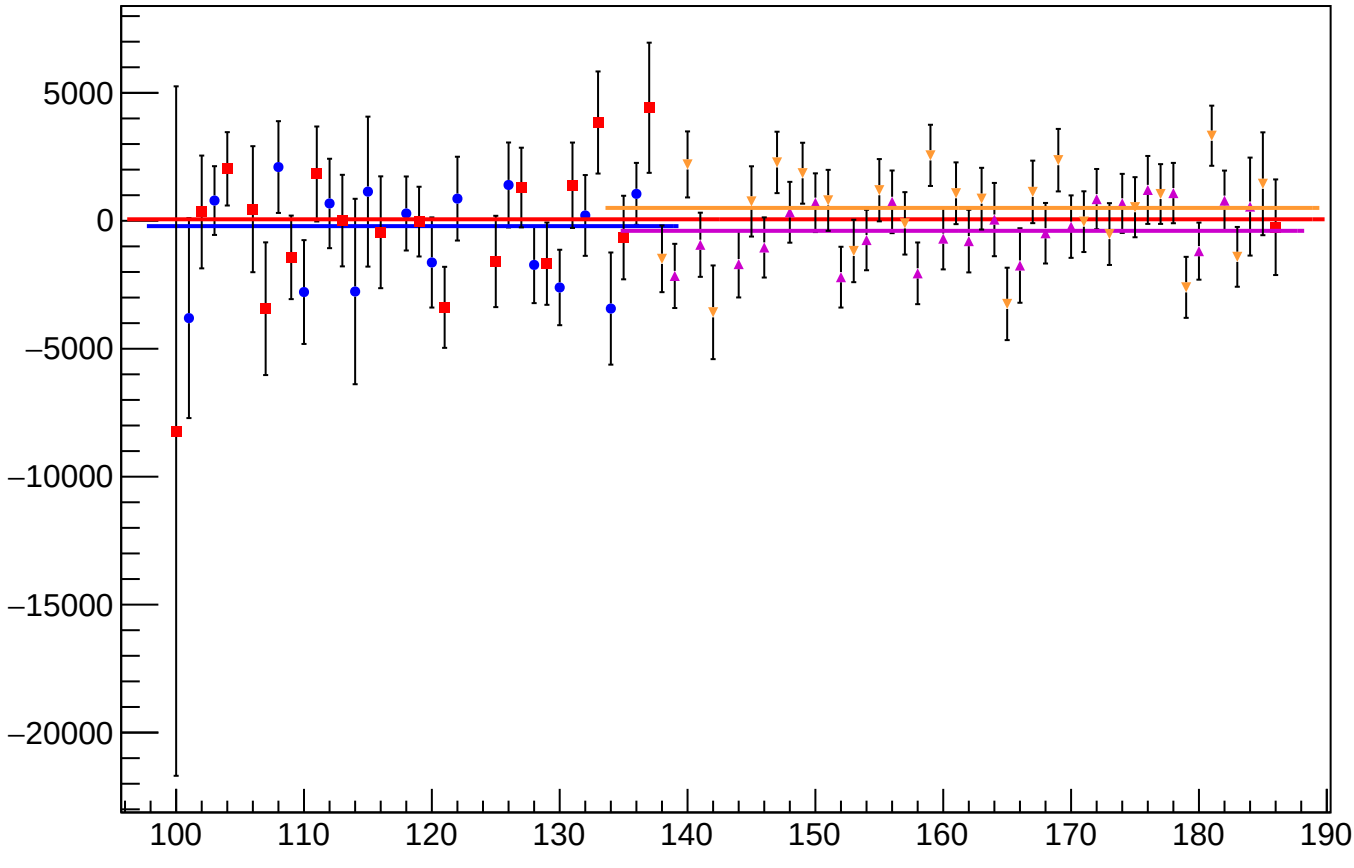
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 494.148+/-0.165 χ^2/NDF: 19638562.3/34

In: 955.678+/-0.224 χ^2/NDF:32633172.8/38

Out: 863.437+/-0.209 χ^2/NDF:33891042.7/42

All: 906.302+/-0.153 χ^2/NDF: 66614596.4/81



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

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

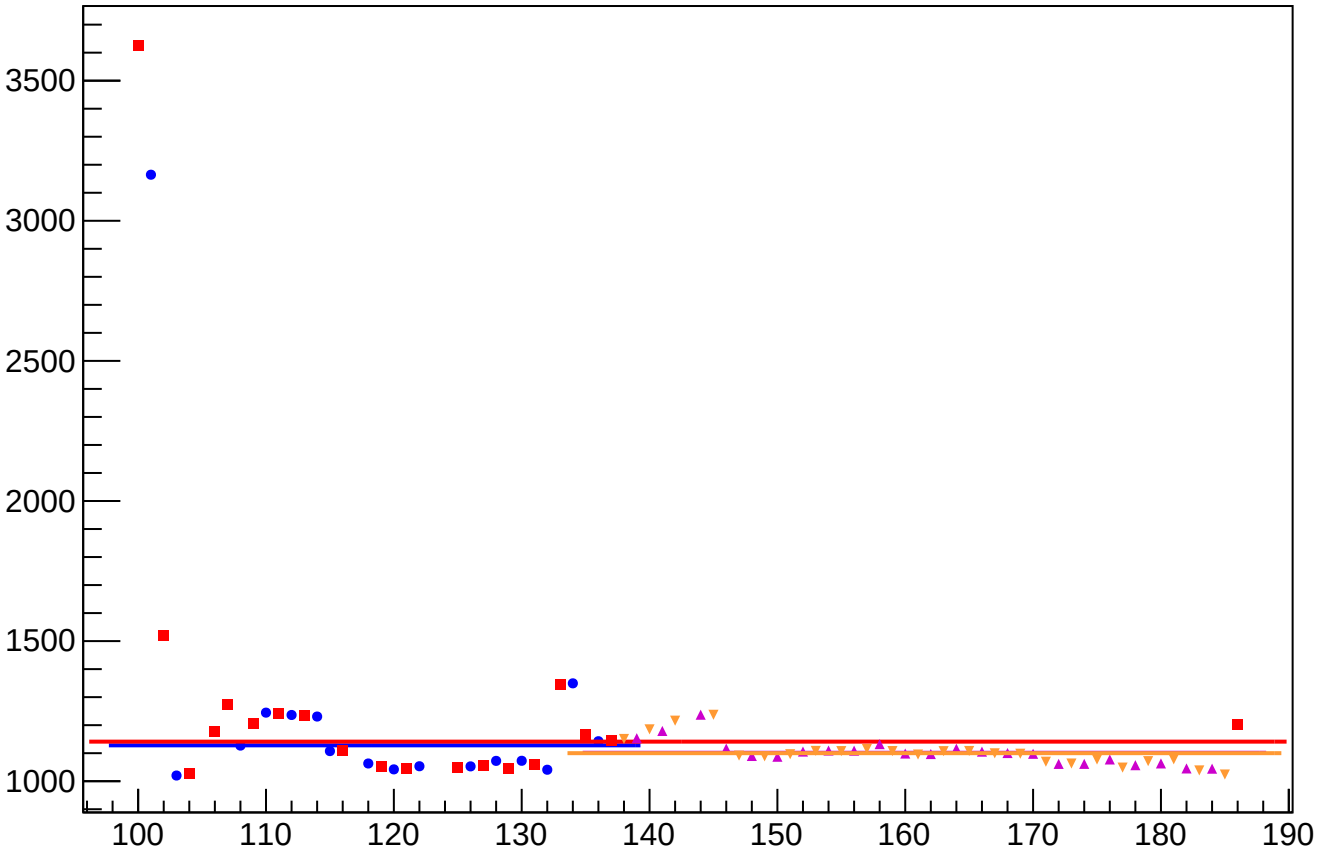
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -71.459+/-300.078 χ^2/NDF: 35.6/34

In: -343.124+/-220.731 χ^2/NDF:32.7/38

Out: 383.514+/-218.267 χ^2/NDF:66.1/42

All: 24.274+/-155.202 χ^2/NDF: 104.3/81



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

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

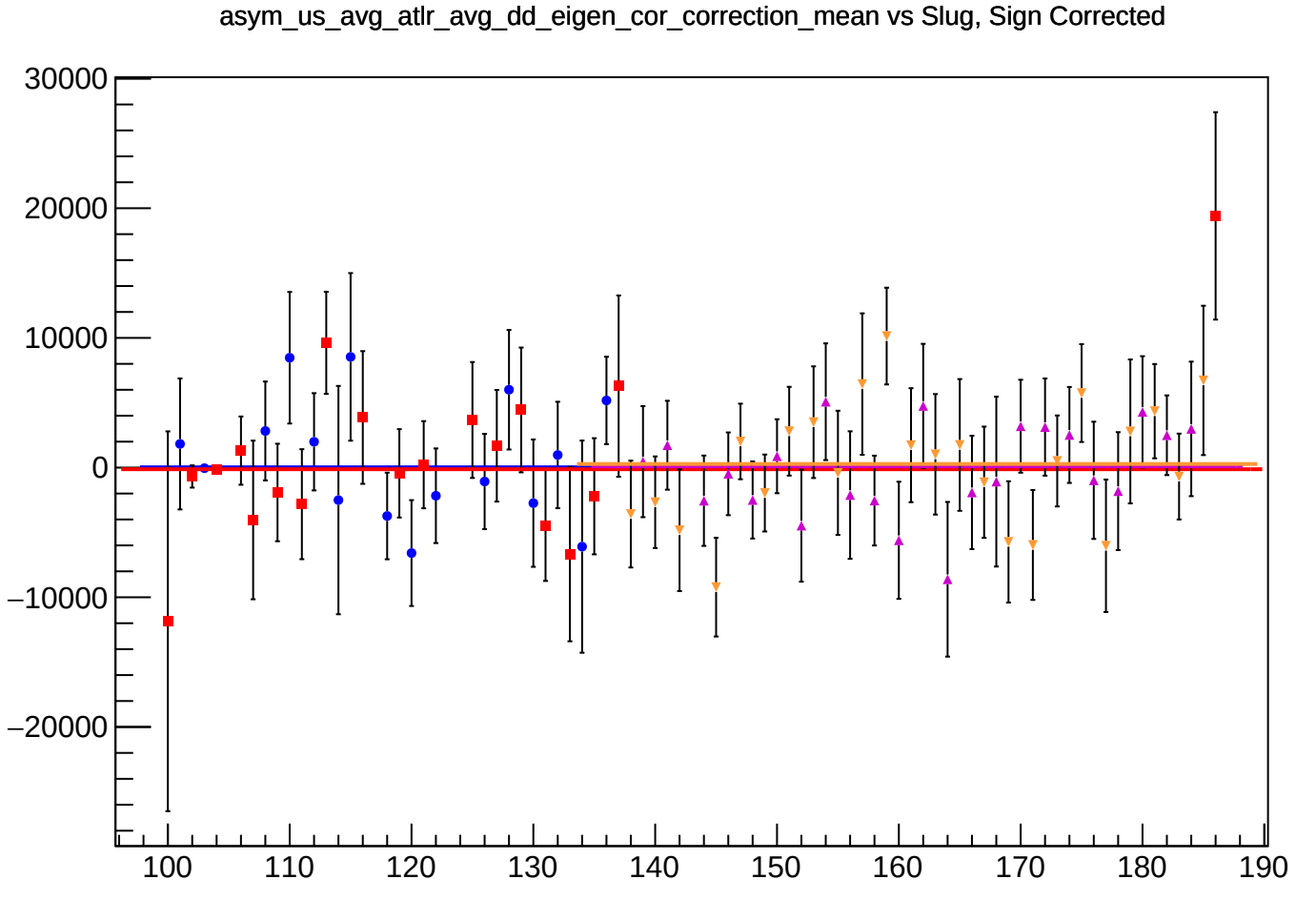
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1134.766+/-0.212 χ^2/NDF: 845216.3/34

In: 1108.534+/-0.156 χ^2/NDF:679140.6/38

Out: 1111.202+/-0.154 χ^2/NDF:295627.2/42

All: 1109.883+/-0.110 χ^2/NDF: 974915.5/81



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

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

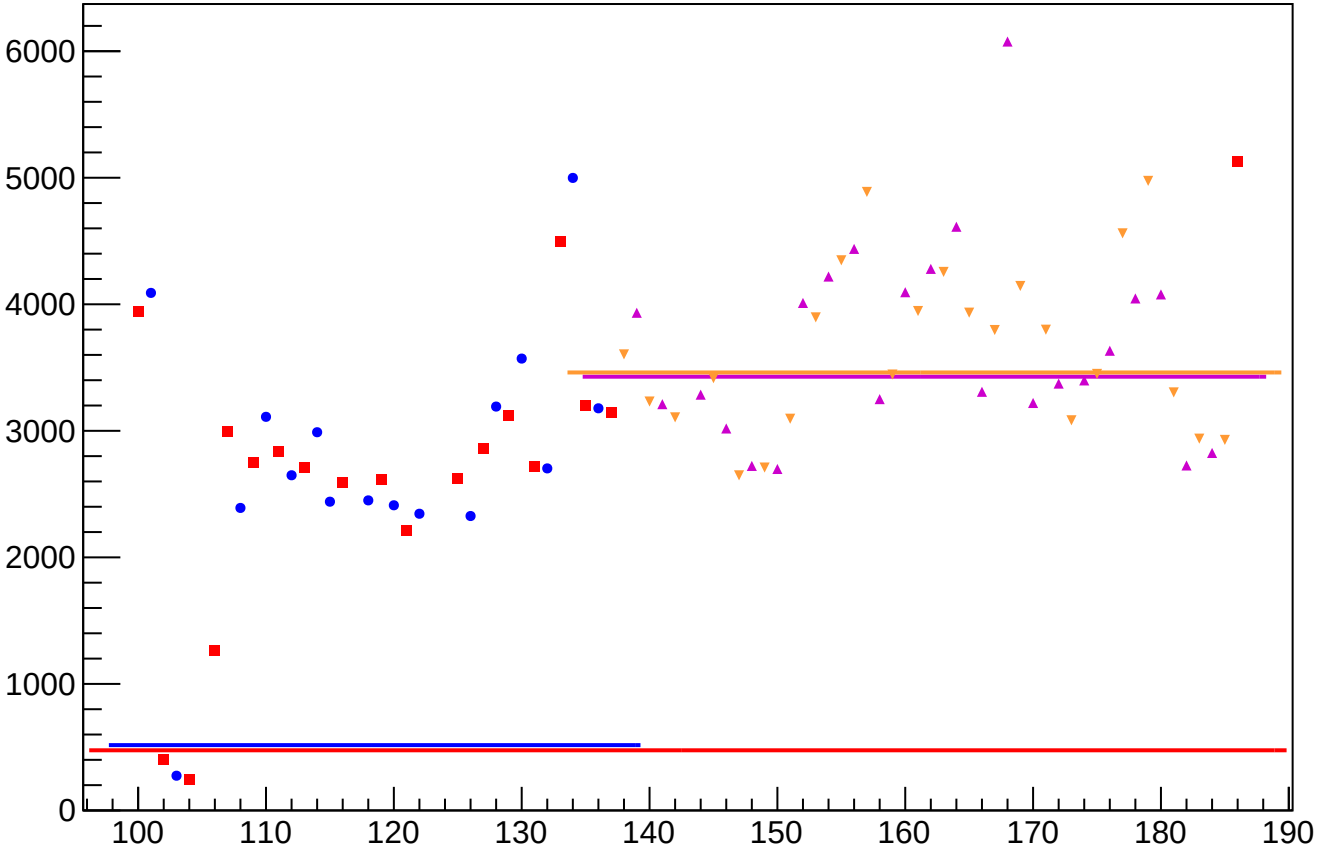
Right: -57.994+/-233.325 χ^2/NDF: 34.9/34

In: 32.676+/-317.467 χ^2/NDF:28.5/38

Out: -73.090+/-295.794 χ^2/NDF:50.1/42

All: -23.940+/-216.414 χ^2/NDF: 78.6/81

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 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

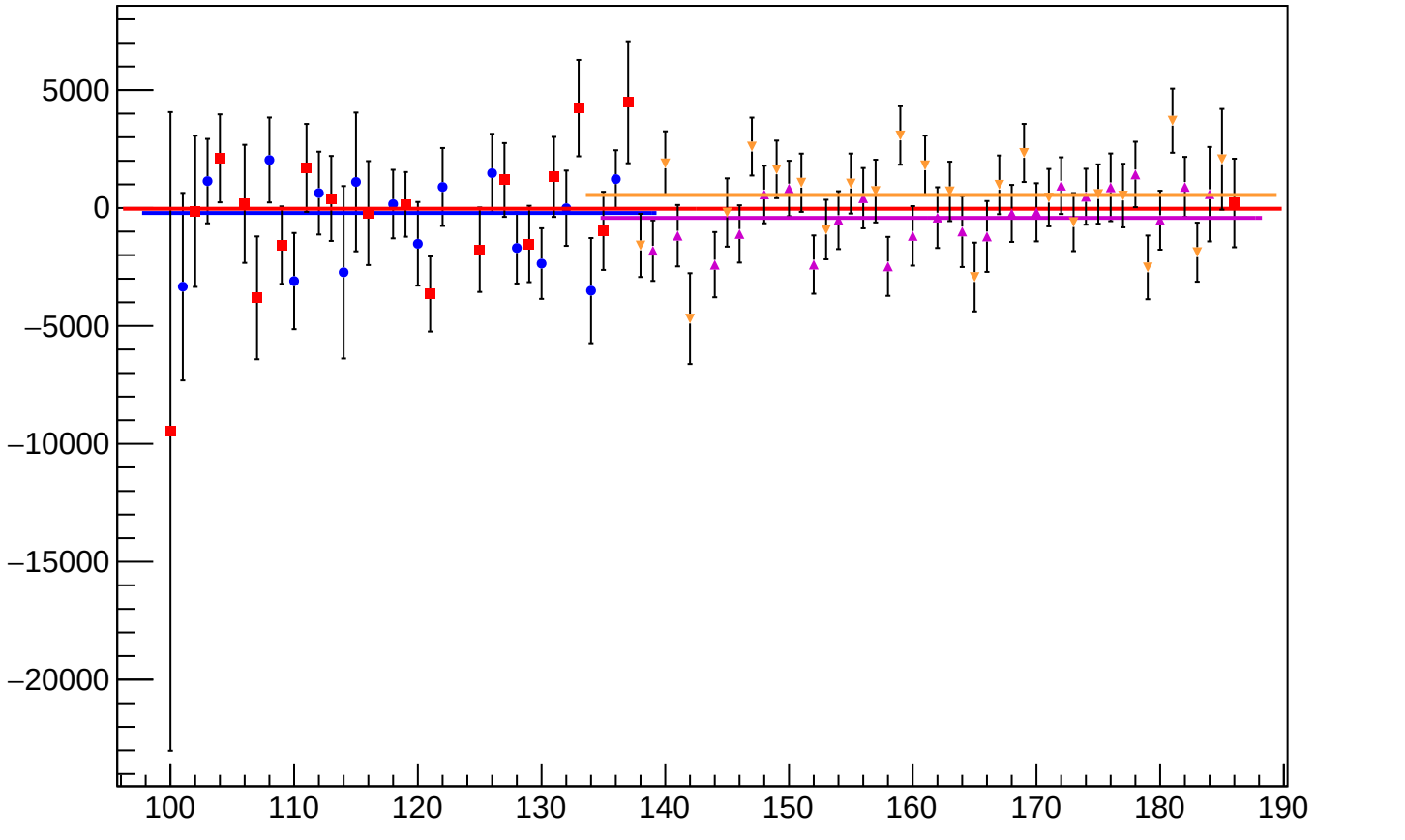
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 494.148+/-0.165 χ^2/NDF: 19638562.3/34

In: 955.678+/-0.224 χ^2/NDF:32633172.8/38

Out: 863.437+/-0.209 χ^2/NDF:33891042.7/42

All: 906.302+/-0.153 χ^2/NDF: 66614596.4/81



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -31.720+/-435.046 χ^2/NDF: 21.7/18

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

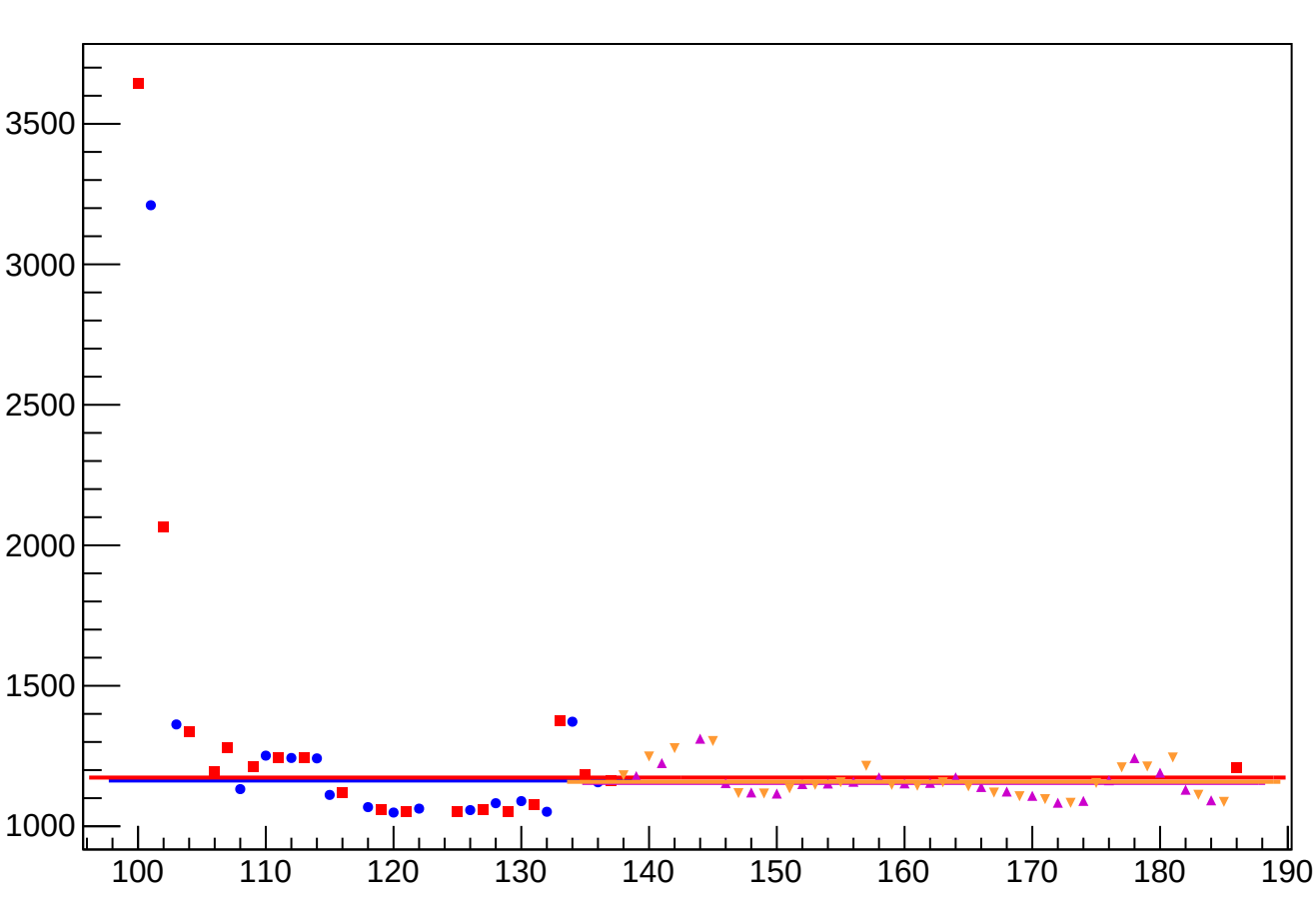
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -120.822+/-310.289 χ^2/NDF: 36.1/34

In: -364.698+/-230.393 χ^2/NDF:32.5/38

Out: 389.406+/-228.922 χ^2/NDF:68.2/42

All: 14.770+/-162.390 χ^2/NDF: 106.1/81



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

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

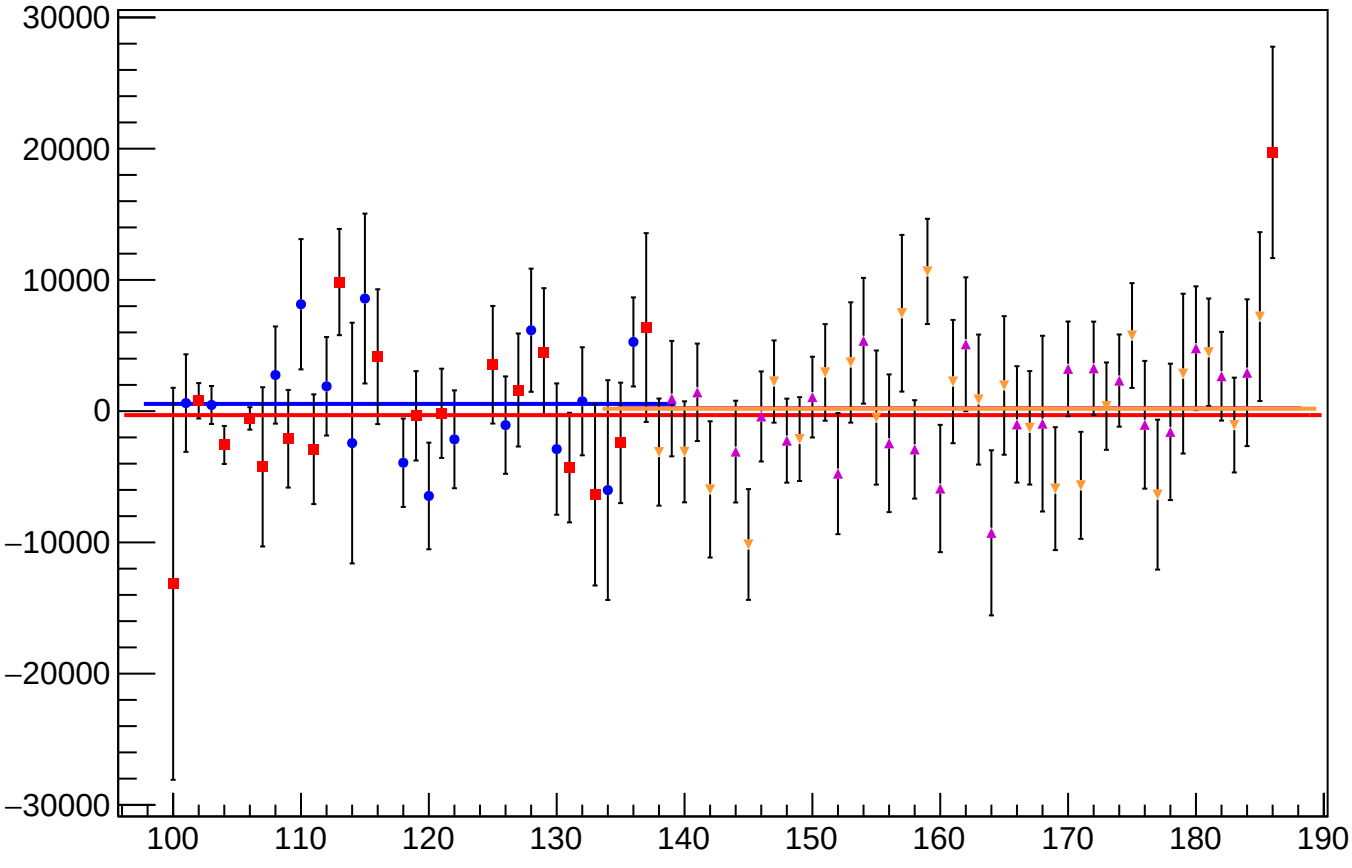
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1168.202+/-0.219 χ^2/NDF: 968273.2/34

In: 1156.566+/-0.163 χ^2/NDF:702383.4/38

Out: 1162.385+/-0.162 χ^2/NDF:418221.2/42

All: 1159.494+/-0.115 χ^2/NDF: 1121246.7/81



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

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

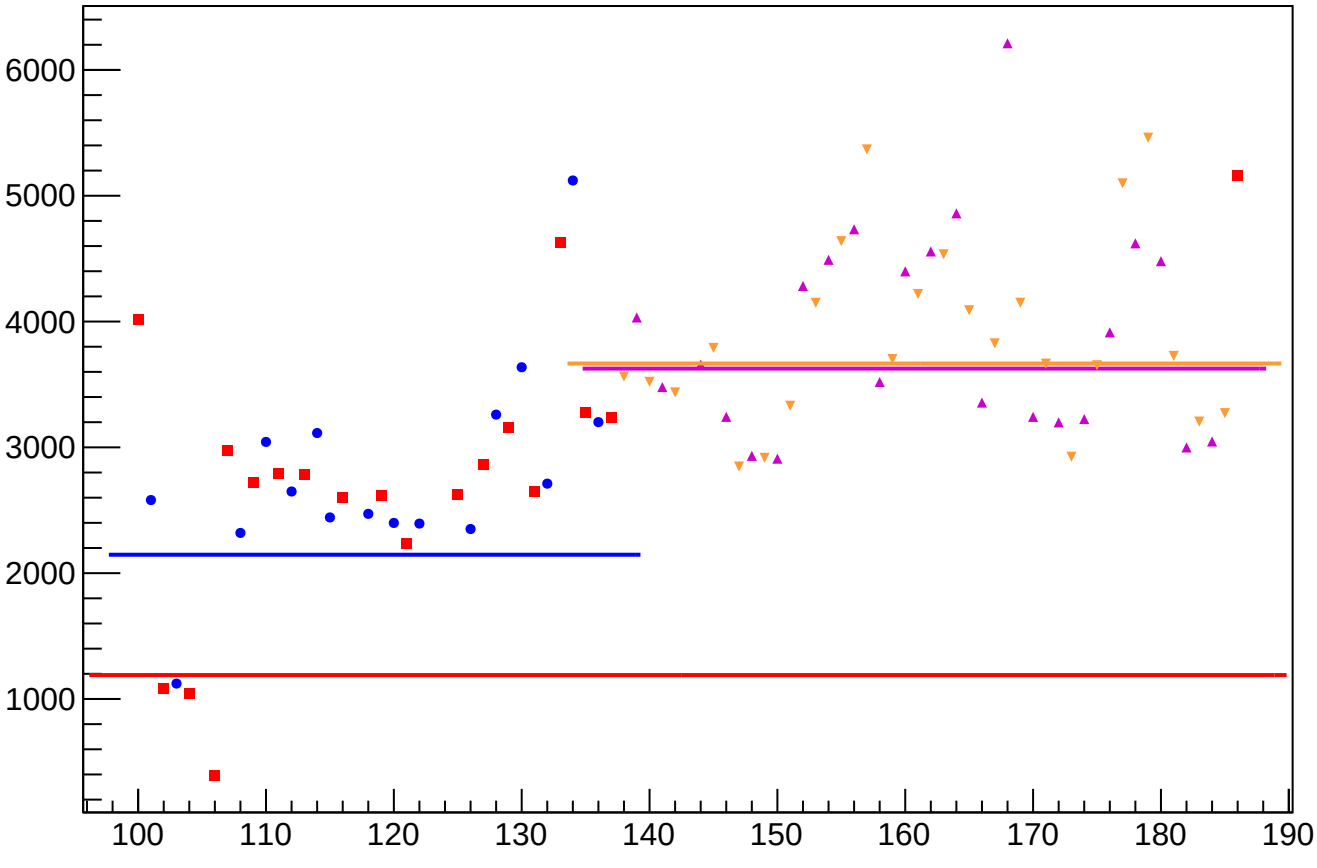
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: -50.261+/-474.200 χ^2/NDF: 37.9/34

In: 385.158+/-614.768 χ^2/NDF:27.9/38

Out: -155.922+/-473.446 χ^2/NDF:52.4/42

All: 45.516+/-375.103 χ^2/NDF: 80.7/81



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

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

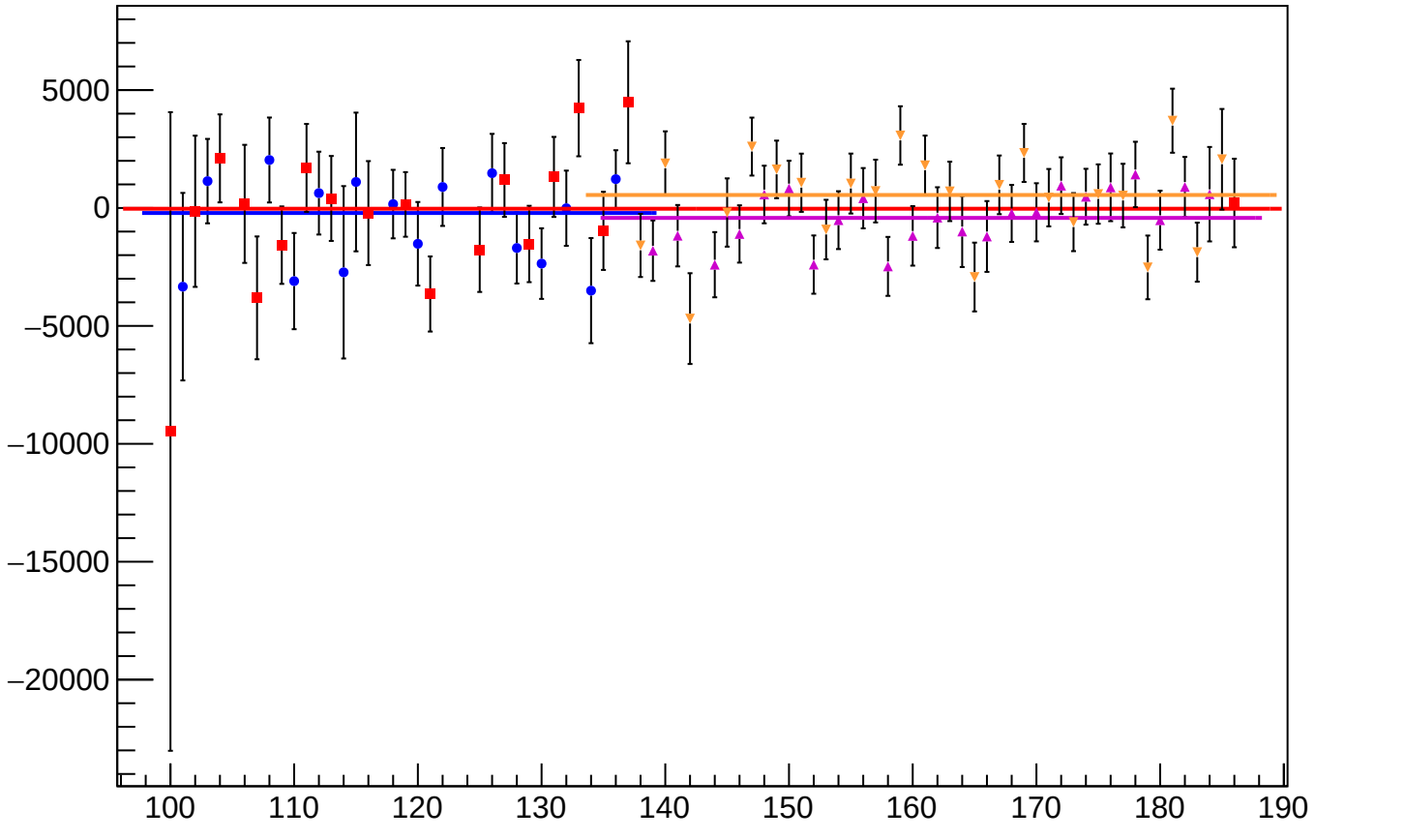
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1471.638+/-0.335 χ^2/NDF: 9970142.8/34

In: 2894.234+/-0.435 χ^2/NDF:6127482.7/38

Out: 1924.486+/-0.335 χ^2/NDF:18815377.0/42

All: 2285.511+/-0.265 χ^2/NDF: 28066679.0/8



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -31.727+/-435.046 χ^2/NDF: 21.7/18

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

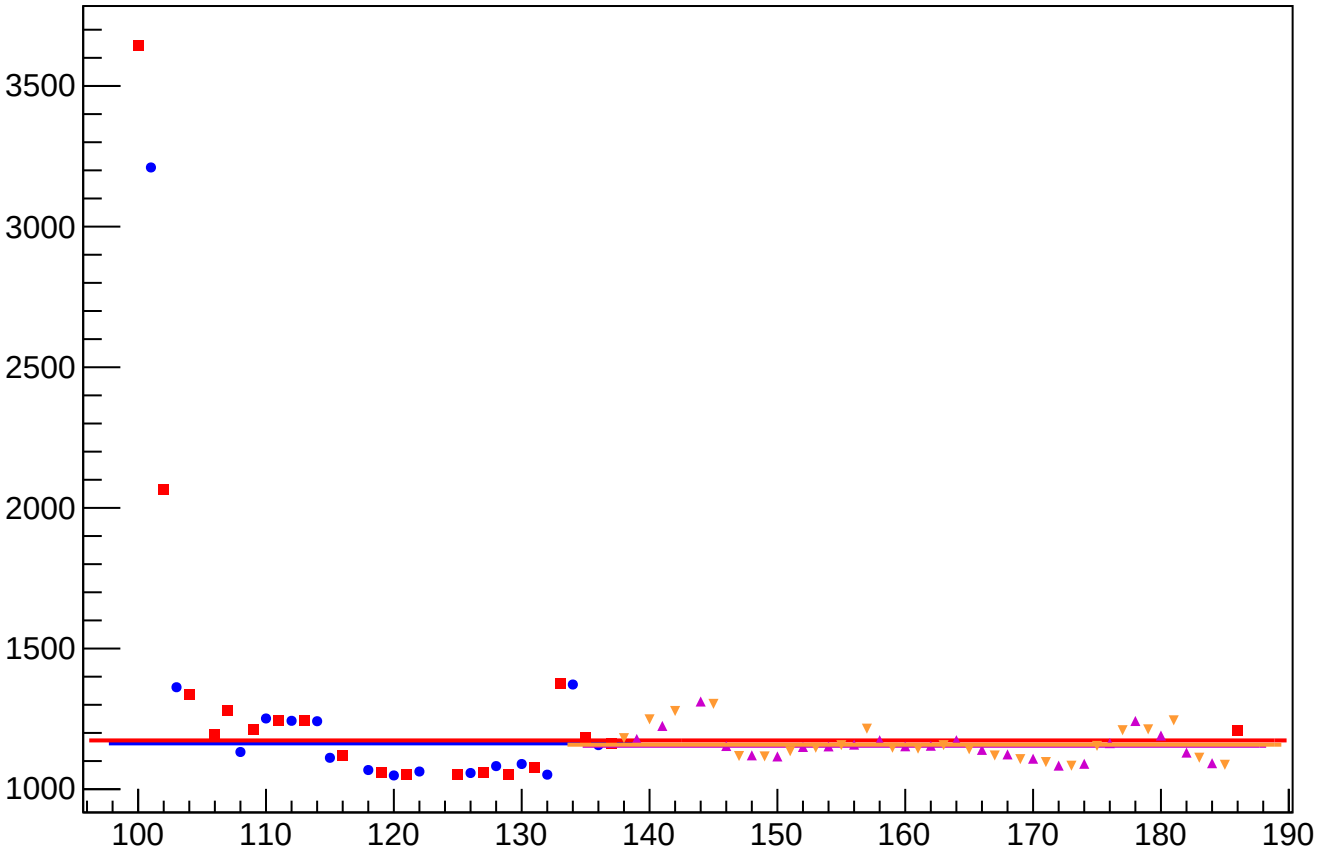
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -120.826+/-310.289 χ^2/NDF: 36.1/34

In: -364.698+/-230.394 χ^2/NDF:32.5/38

Out: 389.406+/-228.922 χ^2/NDF:68.2/42

All: 14.770+/-162.390 χ^2/NDF: 106.1/81



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

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

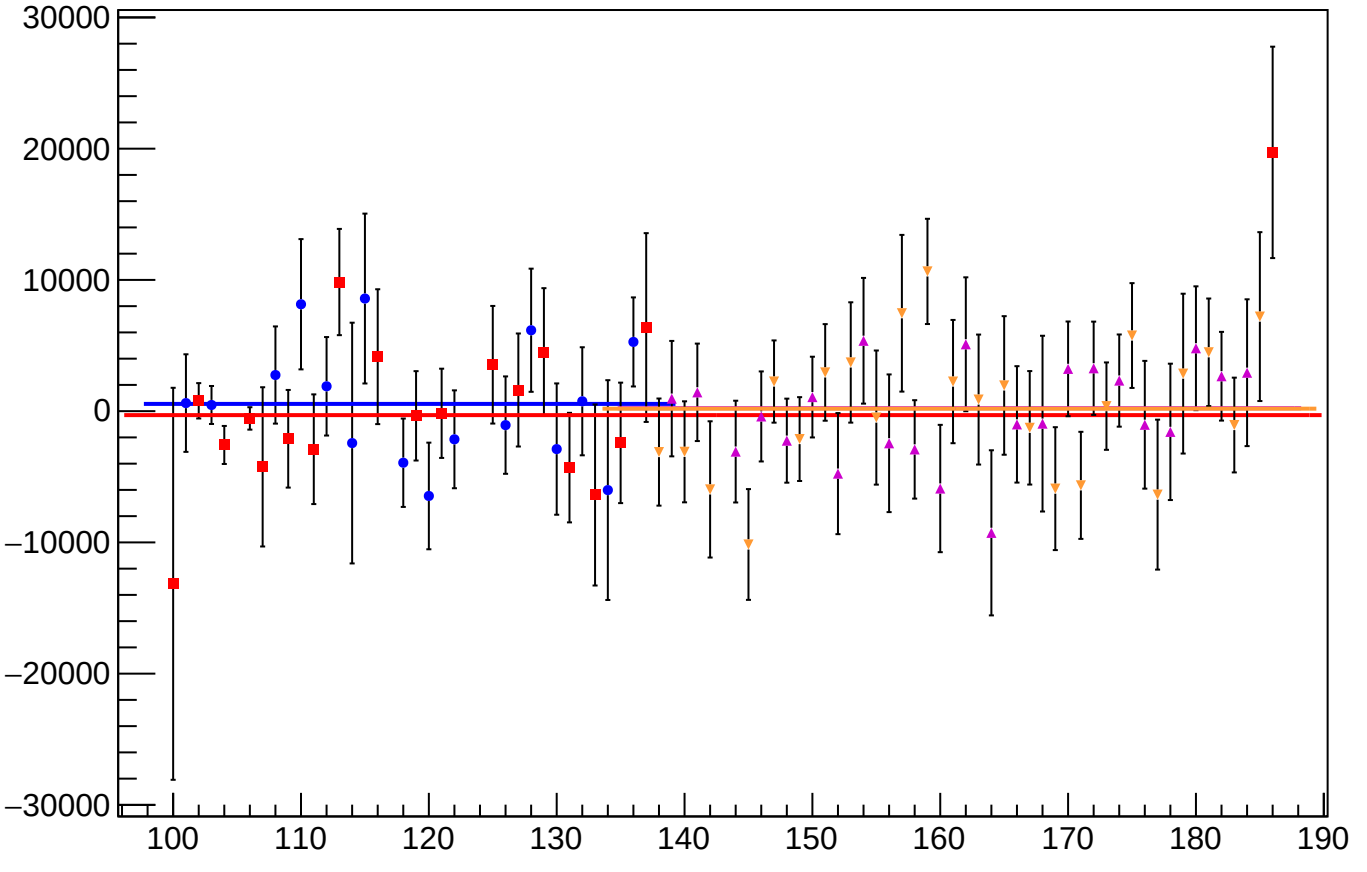
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1168.202+/-0.219 χ^2/NDF: 968273.0/34

In: 1156.566+/-0.163 χ^2/NDF:702385.9/38

Out: 1162.386+/-0.162 χ^2/NDF:418223.0/42

All: 1159.495+/-0.115 χ^2/NDF: 1121251.0/81



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

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

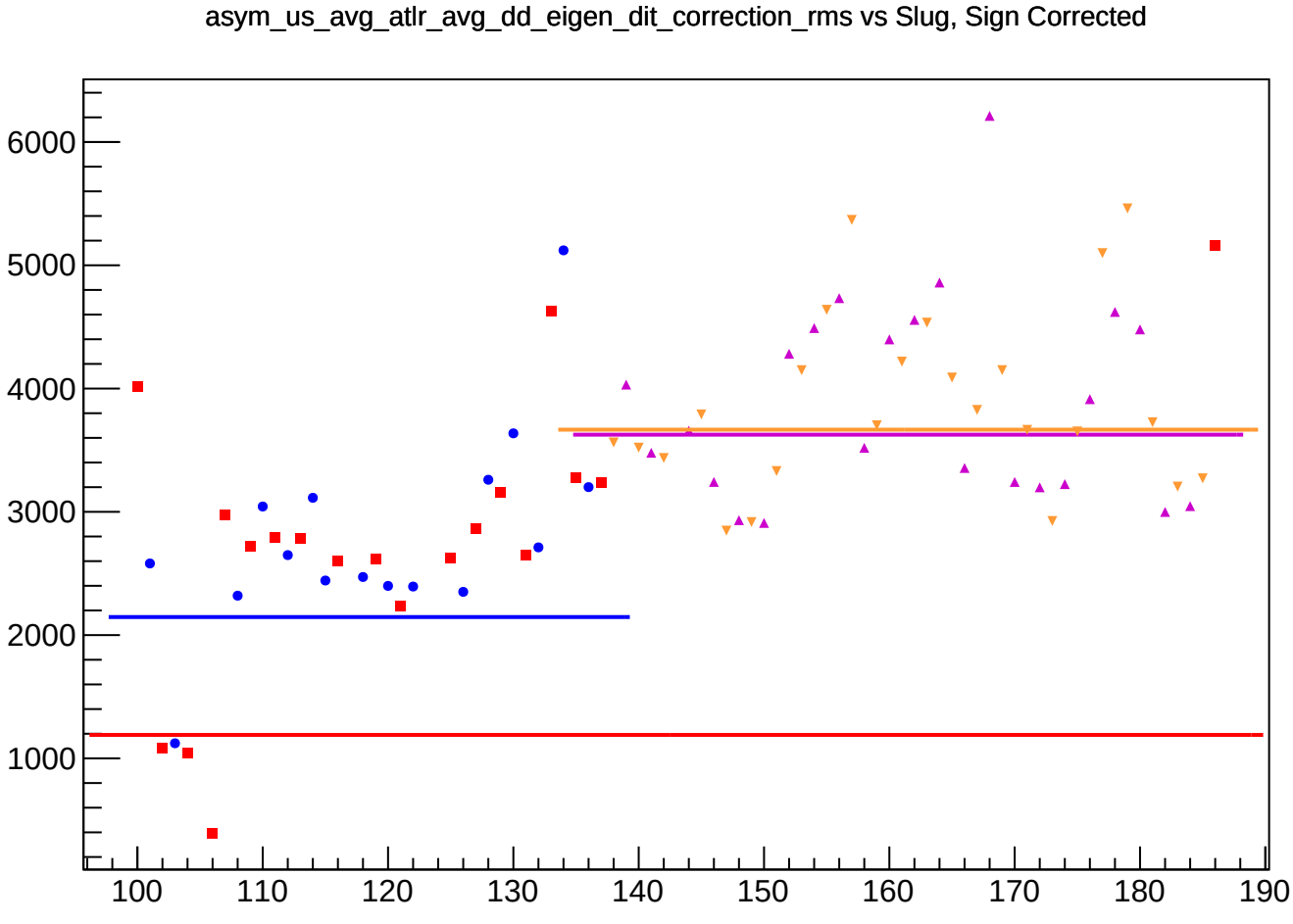
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

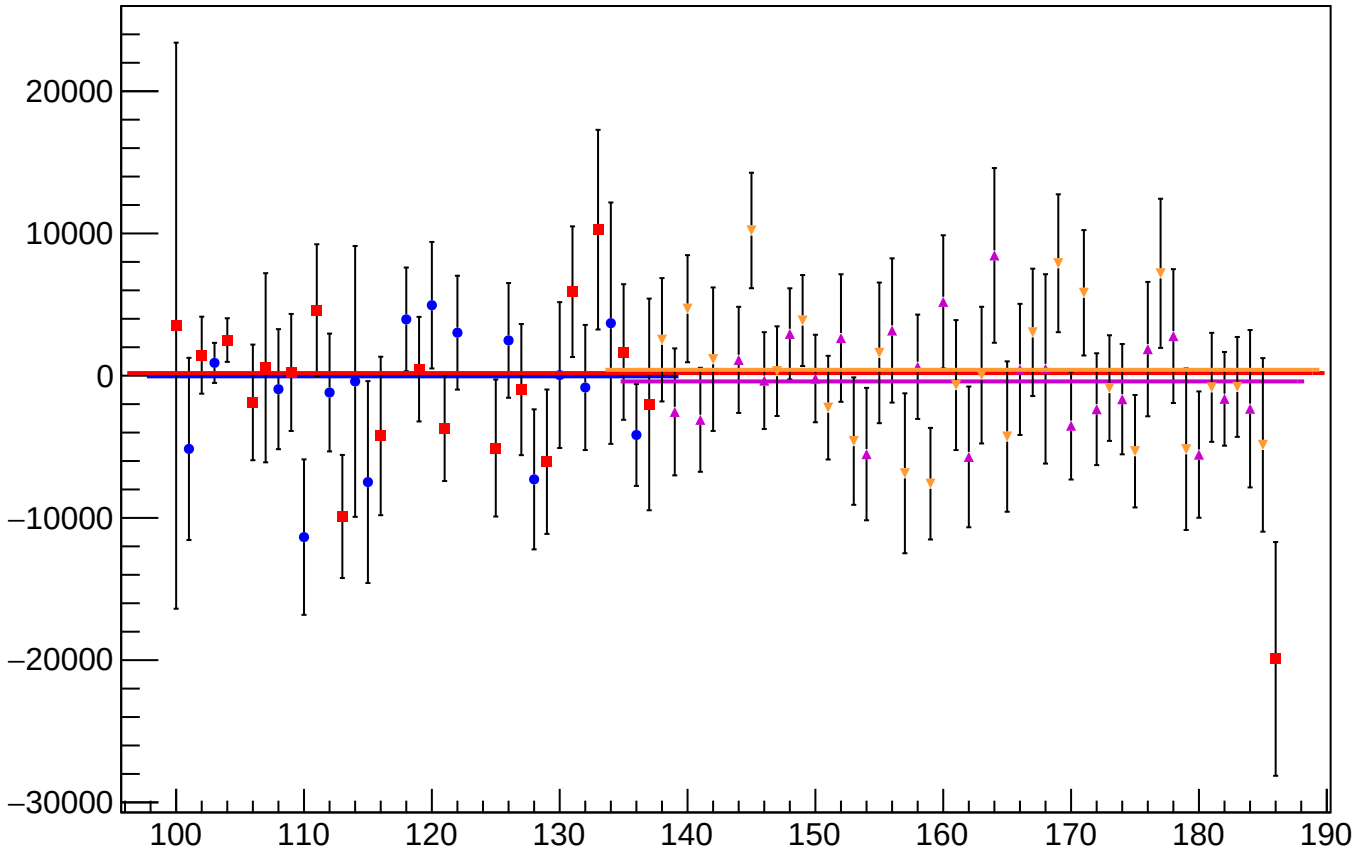
Right: -50.269+/-474.196 χ^2/NDF: 37.9/34

In: 385.156+/-614.768 χ^2/NDF:27.9/38

Out: -155.927+/-473.442 χ^2/NDF:52.4/42

All: 45.510+/-375.101 χ^2/NDF: 80.7/81


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 2146.613+/-0.618 χ²/NDF: 1974719.3/15
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: 1471.617+/-0.335 χ²/NDF: 9970358.0/34
In: 2894.233+/-0.435 χ²/NDF:6127514.8/38
Out: 1924.457+/-0.335 χ²/NDF:18815833.9/42
All: 2285.489+/-0.265 χ²/NDF: 28067364.5/8



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

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

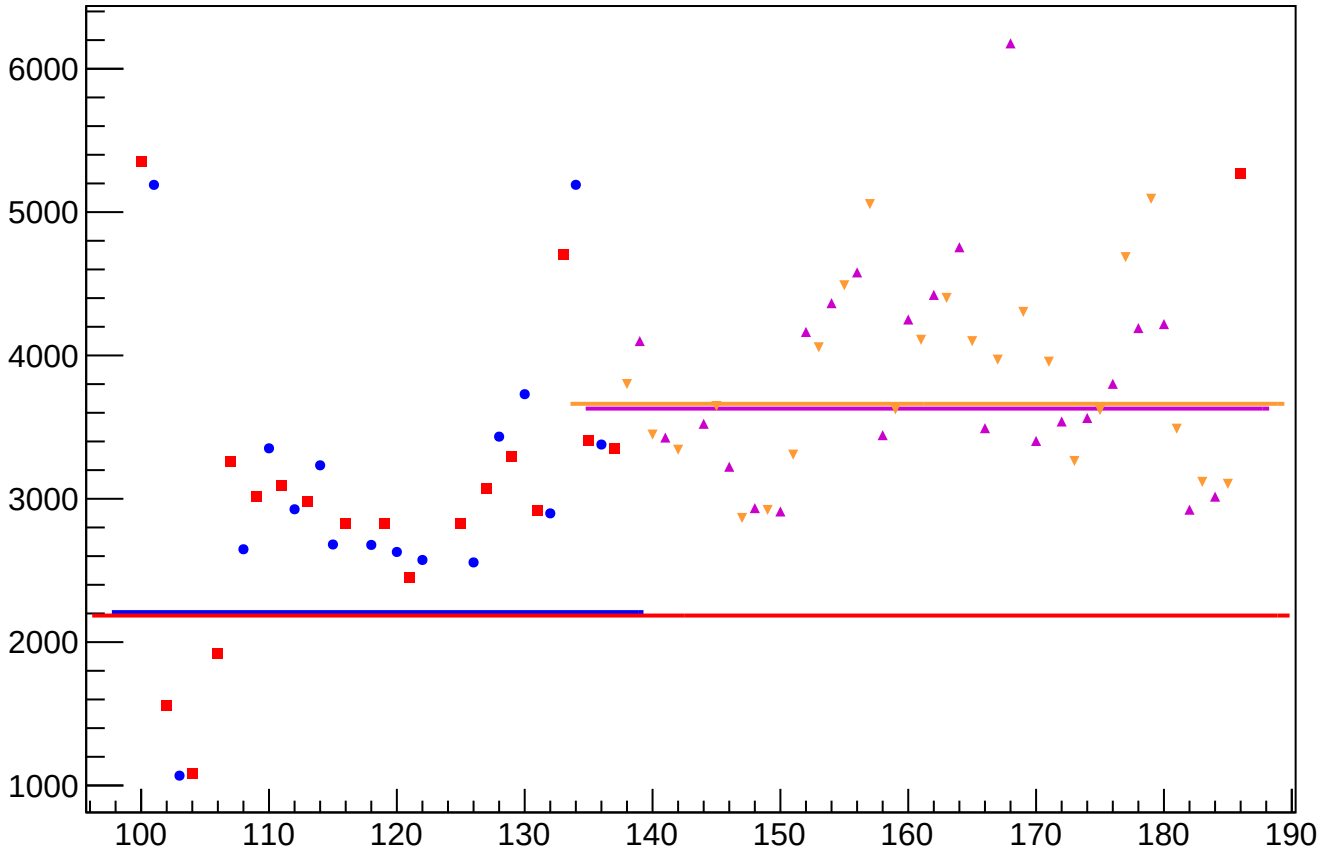
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: 73.380+/-640.452 χ^2/NDF: 37.2/34

In: -235.922+/-629.437 χ^2/NDF:26.1/38

Out: 302.269+/-620.908 χ^2/NDF:50.6/42

All: 36.844+/-442.033 χ^2/NDF: 77.1/81


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
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120
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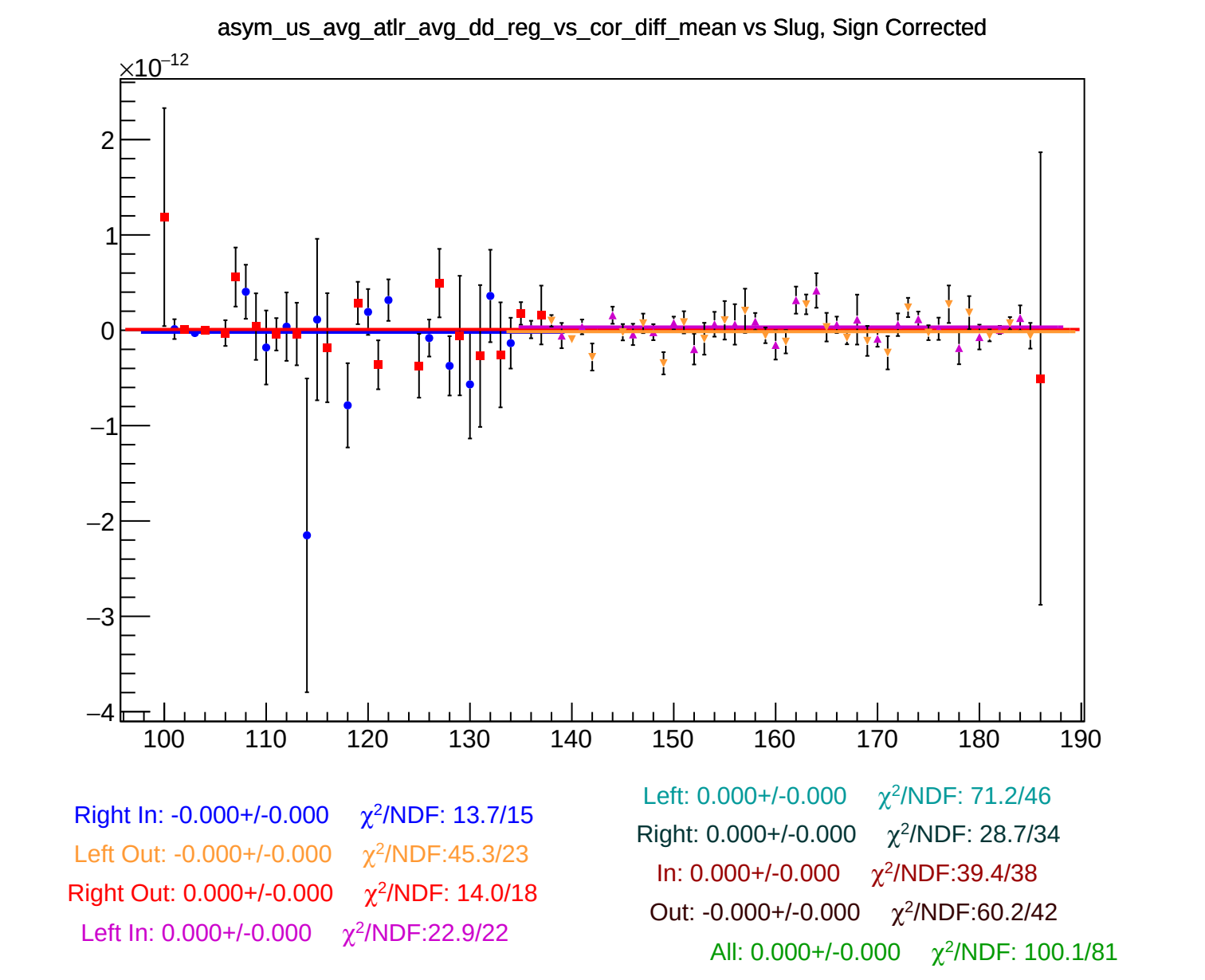
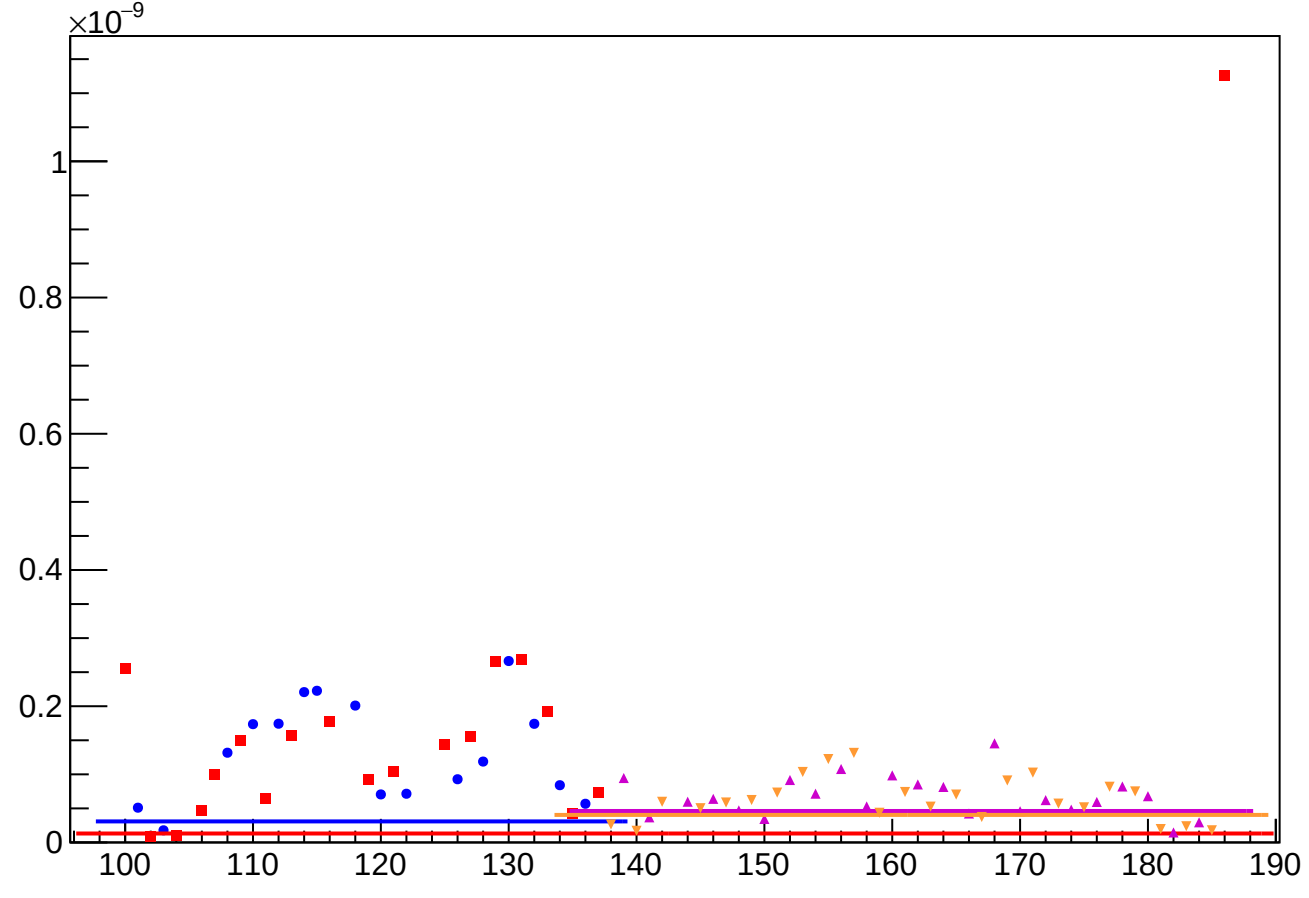
150
160
170
180
190
Right In: 2209.349+/-0.651 χ²/NDF: 2836875.7/15
Left Out: 3662.662+/-0.612 χ²/NDF:893468.3/23
Right Out: 2185.493+/-0.629 χ²/NDF: 2554698.8/18
Left In: 3629.184+/-0.610 χ²/NDF:1054949.6/22
Left: 3645.867+/-0.432 χ²/NDF: 1949919.7/46
Right: 2197.007+/-0.452 χ²/NDF: 5392269.1/34
In: 2965.634+/-0.445 χ²/NDF:6425120.4/38
Out: 2944.283+/-0.439 χ²/NDF:6282486.9/42
All: 2954.801+/-0.312 χ²/NDF: 12708775.0/8


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: 13.7/15
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: 28.7/34
In: 0.000+/-0.000 χ²/NDF:39.4/38
Out: -0.000+/-0.000 χ²/NDF:60.2/42
All: 0.000+/-0.000 χ²/NDF: 100.1/81



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

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

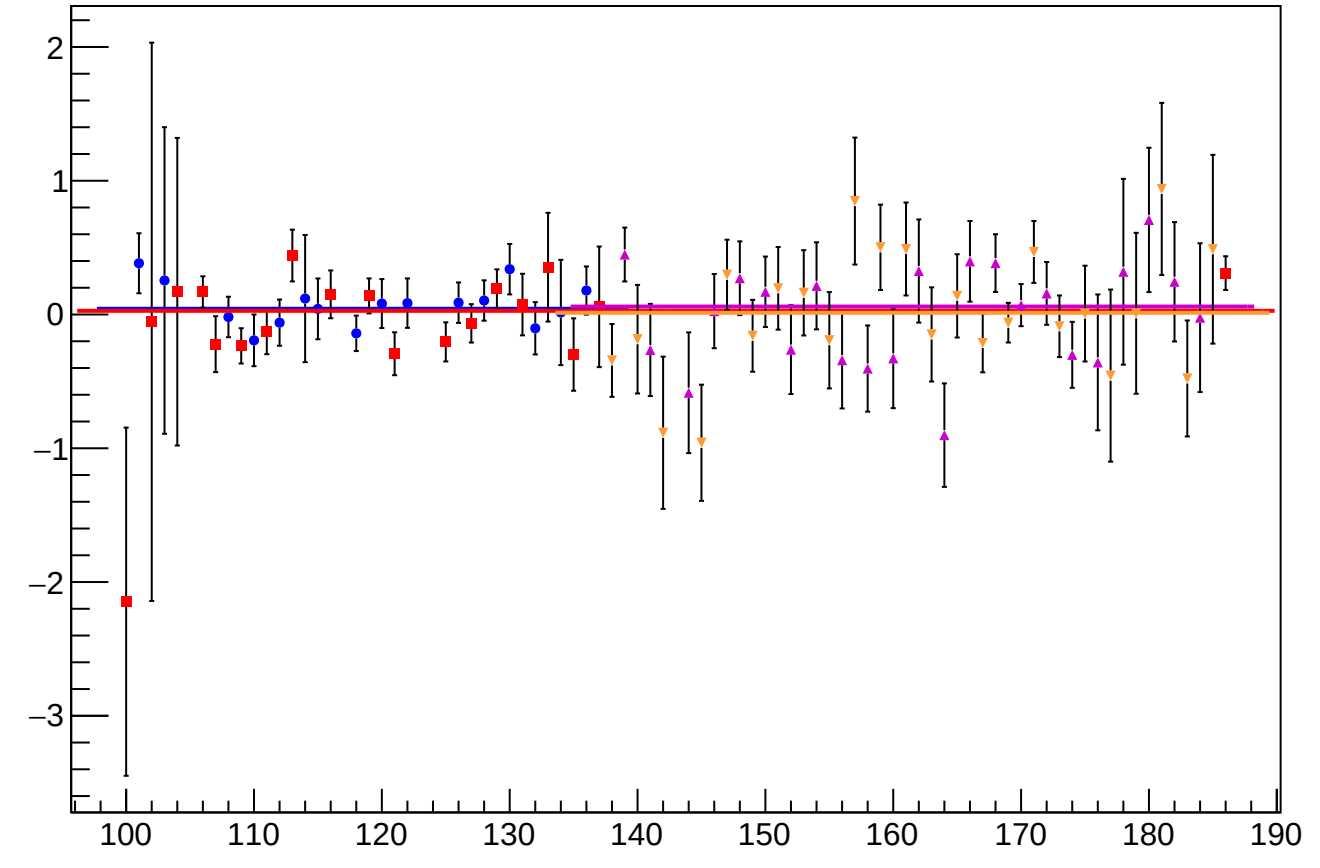
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 7821644.6/34

In: 0.000+/-0.000 χ^2/NDF:6395795.3/38

Out: 0.000+/-0.000 χ^2/NDF:10152190.7/42

All: 0.000+/-0.000 χ^2/NDF: 17963370.0/81



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

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

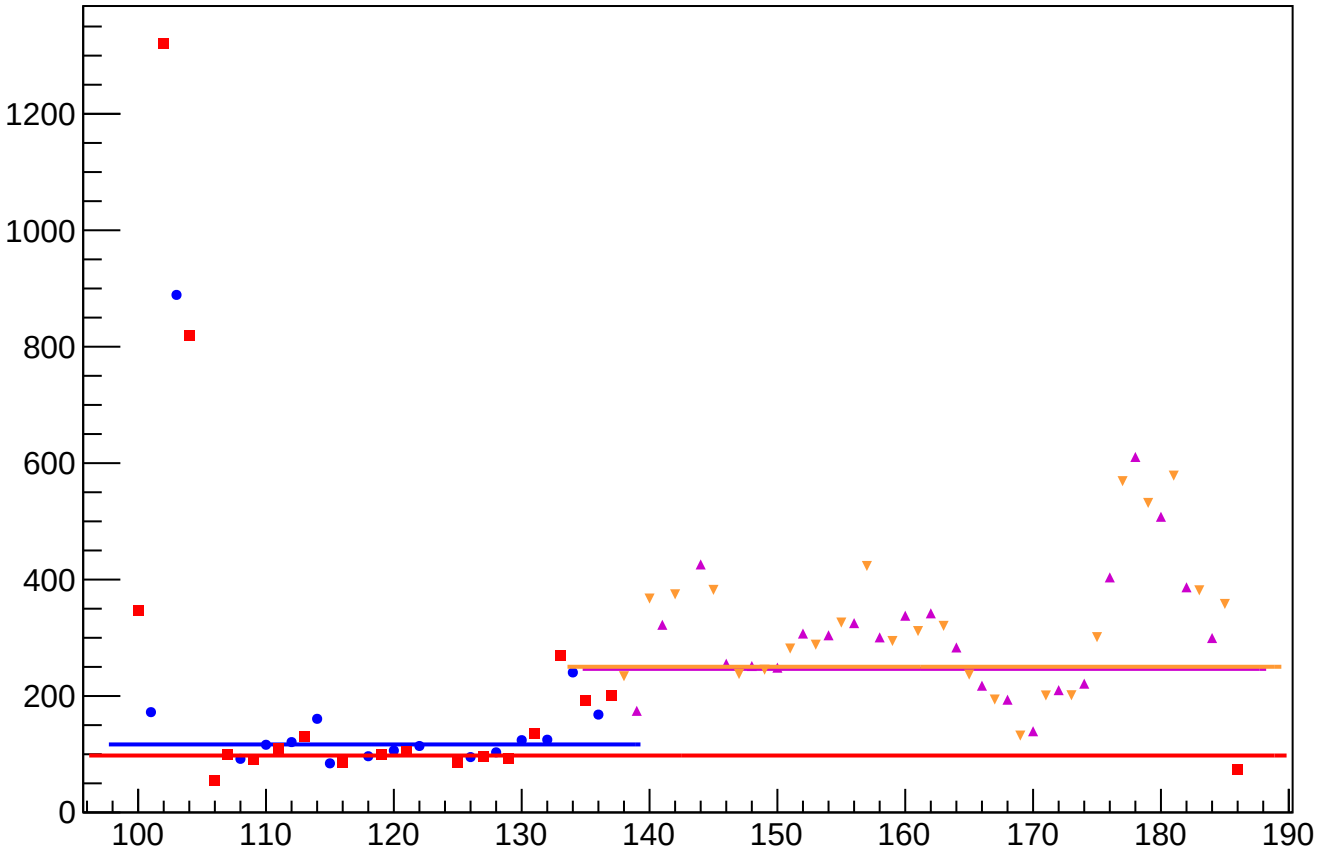
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.034+/-0.031 χ^2/NDF: 42.0/34

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.035+/-0.025 χ^2/NDF: 99.5/81



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

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

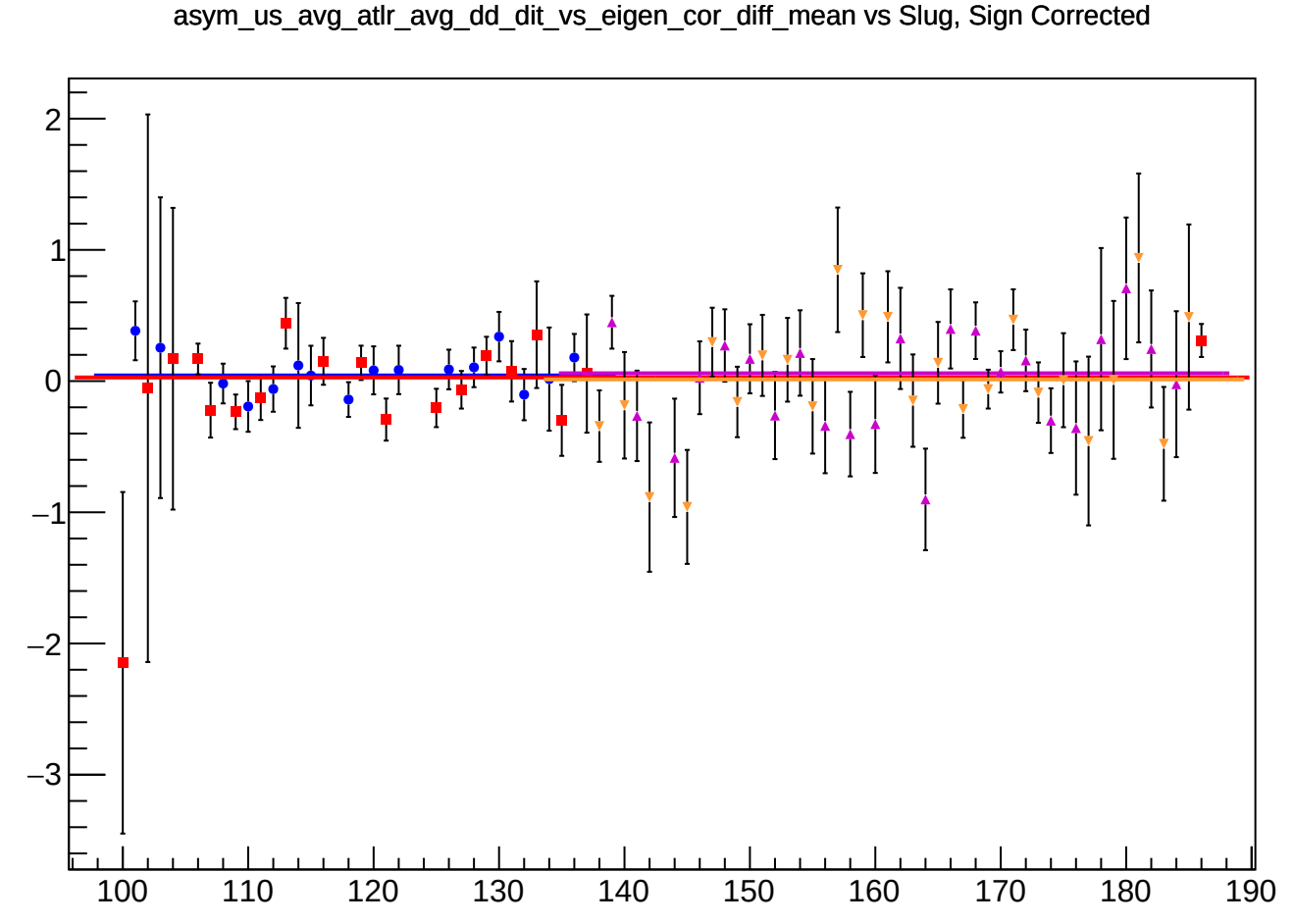
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 105.935+/-0.022 χ^2/NDF: 4545195.3/34

In: 164.791+/-0.027 χ^2/NDF:10918446.1/38

Out: 143.167+/-0.024 χ^2/NDF:15317223.1/42

All: 152.986+/-0.018 χ^2/NDF: 26595064.1/81



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

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

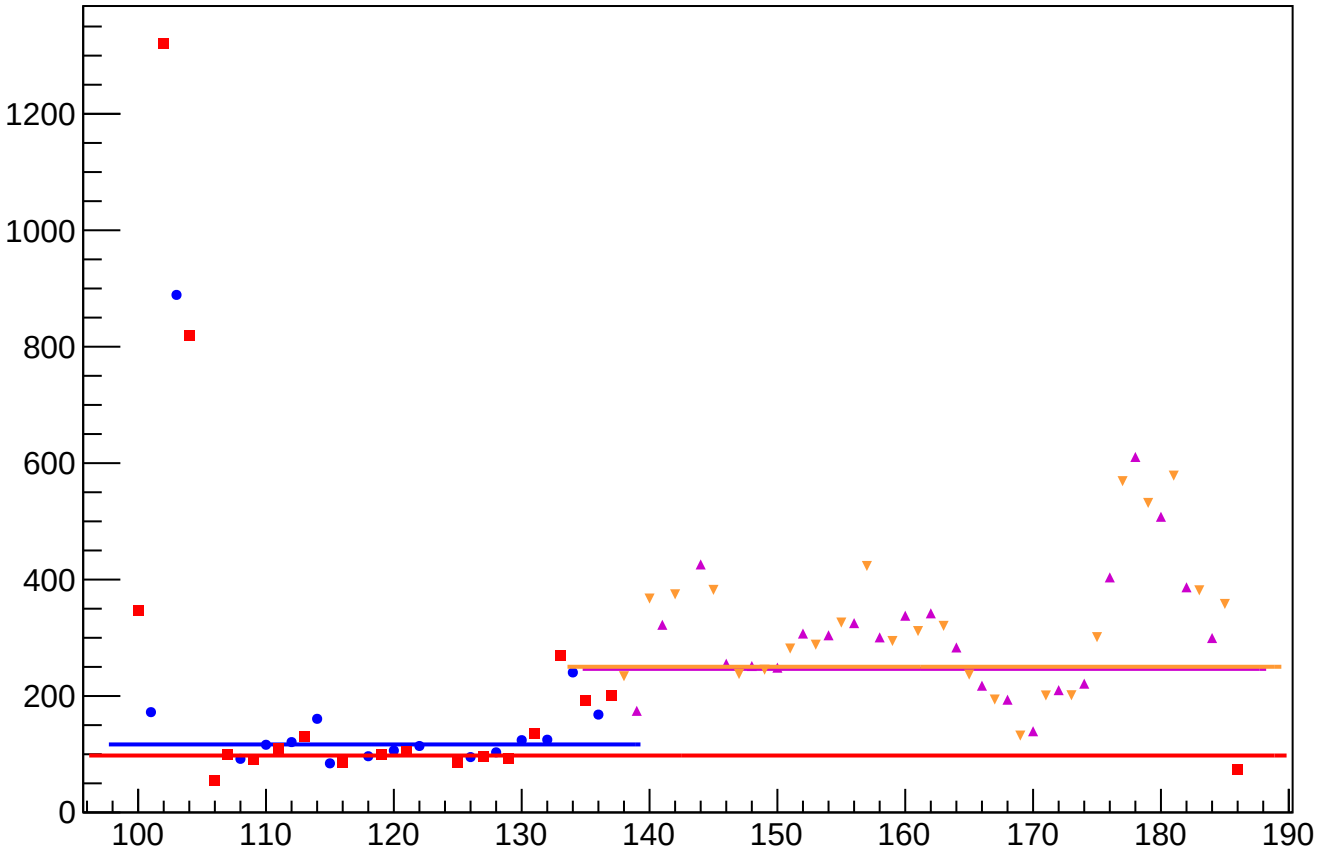
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.034+/-0.031 χ^2/NDF: 42.0/34

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.035+/-0.025 χ^2/NDF: 99.5/81



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

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

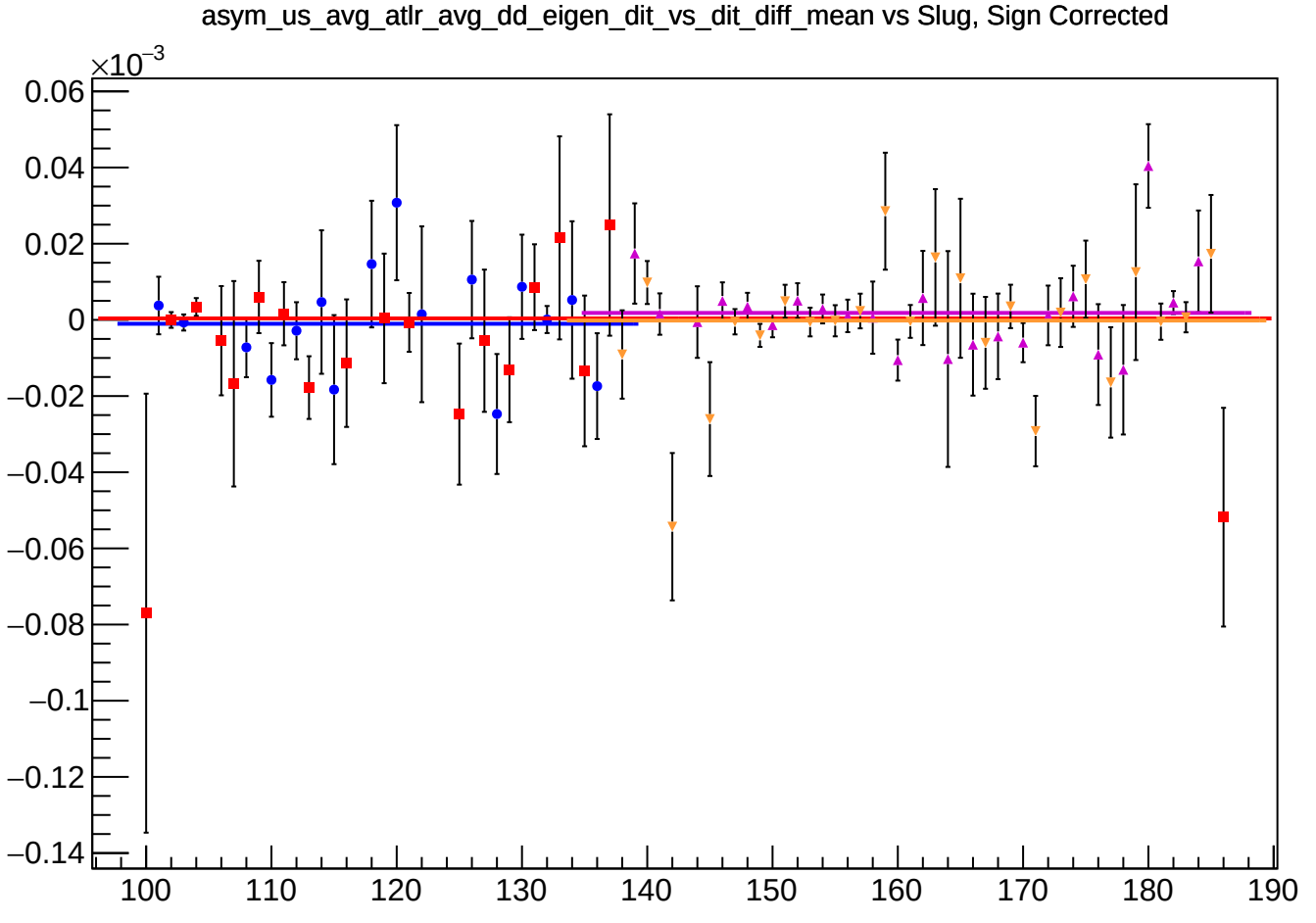
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 105.935+/-0.022 χ^2/NDF: 4545195.3/34

In: 164.791+/-0.027 χ^2/NDF:10918446.1/38

Out: 143.167+/-0.024 χ^2/NDF:15317223.1/42

All: 152.986+/-0.018 χ^2/NDF: 26595064.1/81


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
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−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
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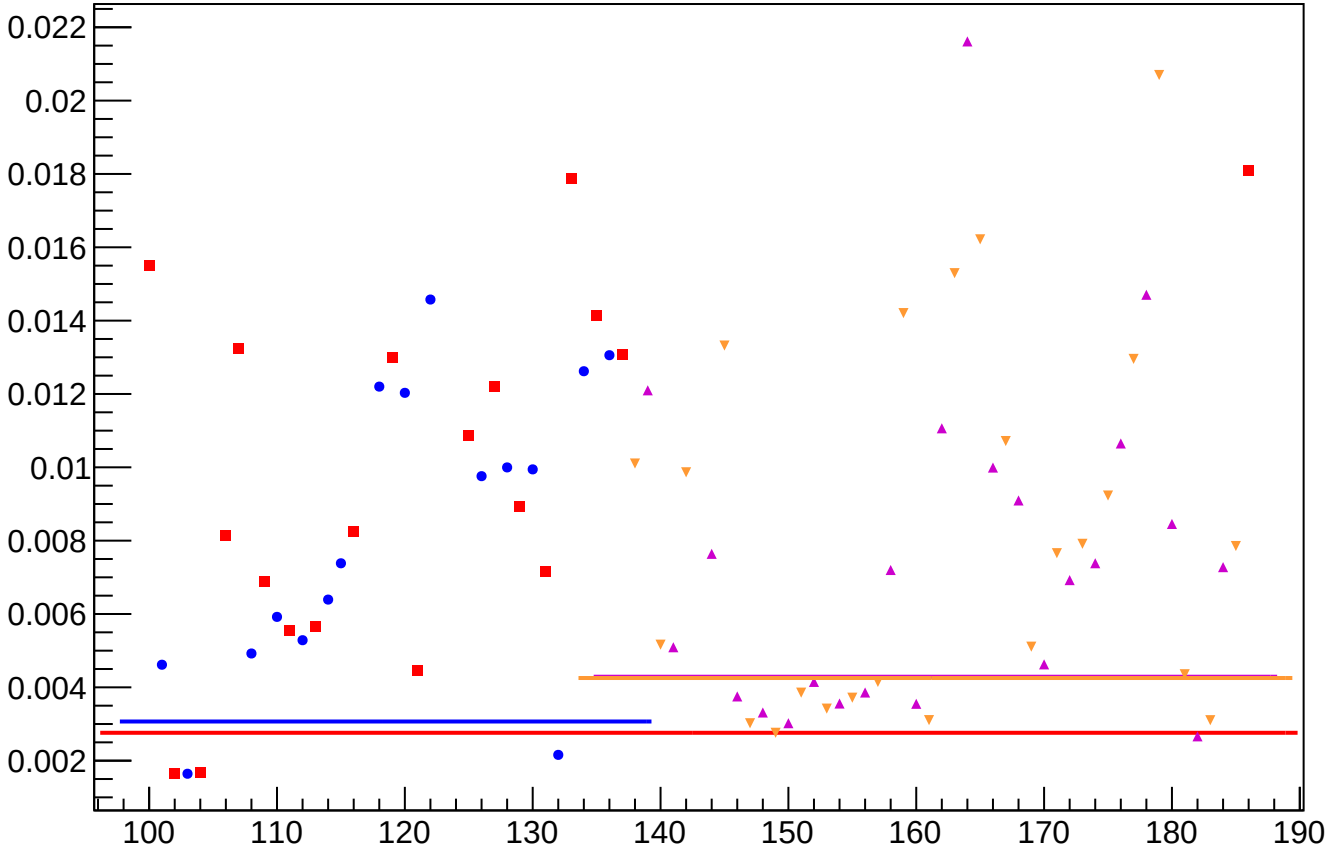
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:37.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.4/18
Left In: 0.000+/-0.000 χ²/NDF:28.2/22
Left: 0.000+/-0.000 χ²/NDF: 66.8/46
Right: -0.000+/-0.000 χ²/NDF: 31.4/34
In: 0.000+/-0.000 χ²/NDF:42.8/38
Out: 0.000+/-0.000 χ²/NDF:55.6/42
All: 0.000+/-0.000 χ²/NDF: 98.8/81

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF: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

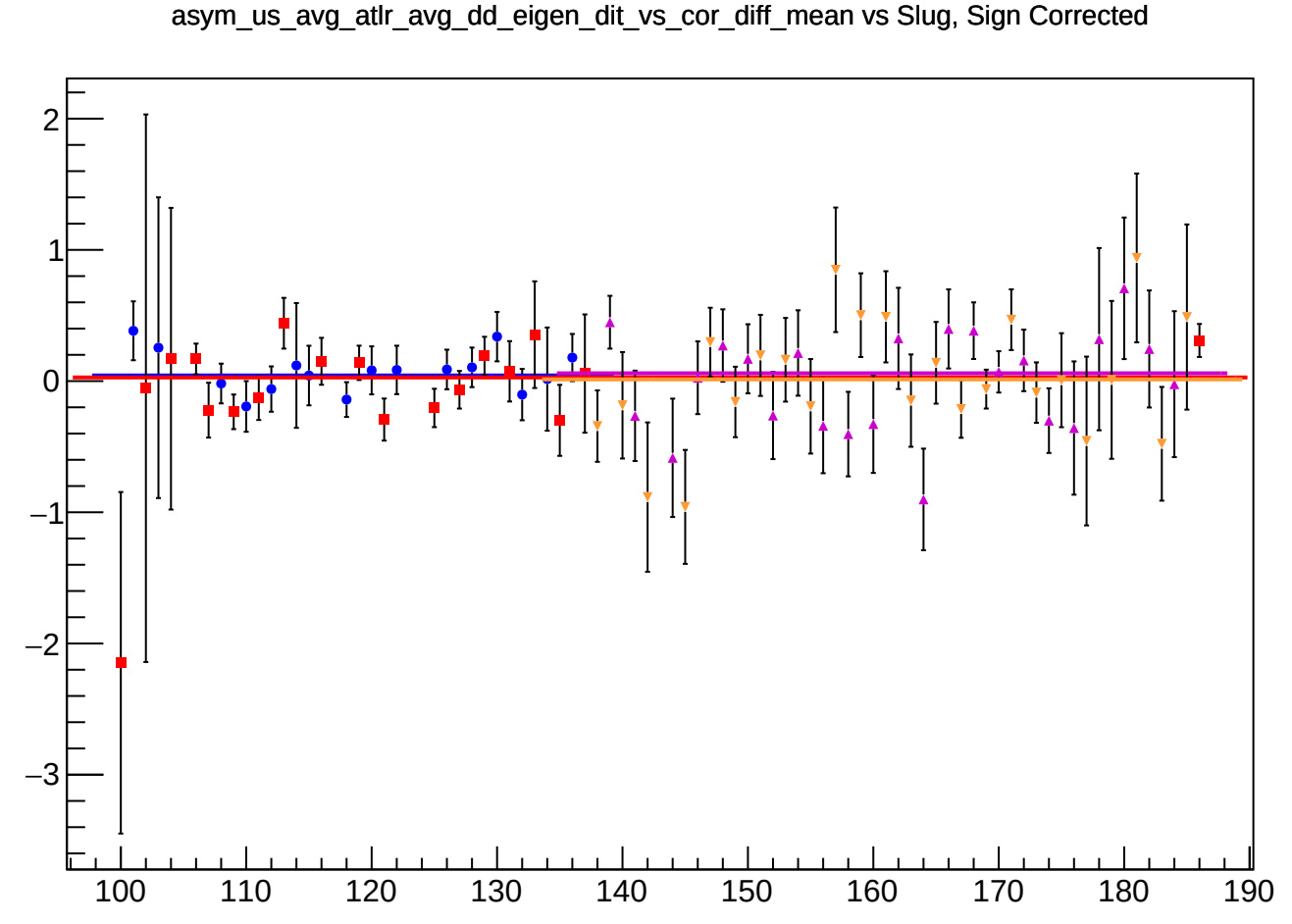
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 13292772.7/34

In: 0.004+/-0.000 χ^2/NDF:13325311.0/38

Out: 0.004+/-0.000 χ^2/NDF:17125471.2/42

All: 0.004+/-0.000 χ^2/NDF: 30503125.7/81



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

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

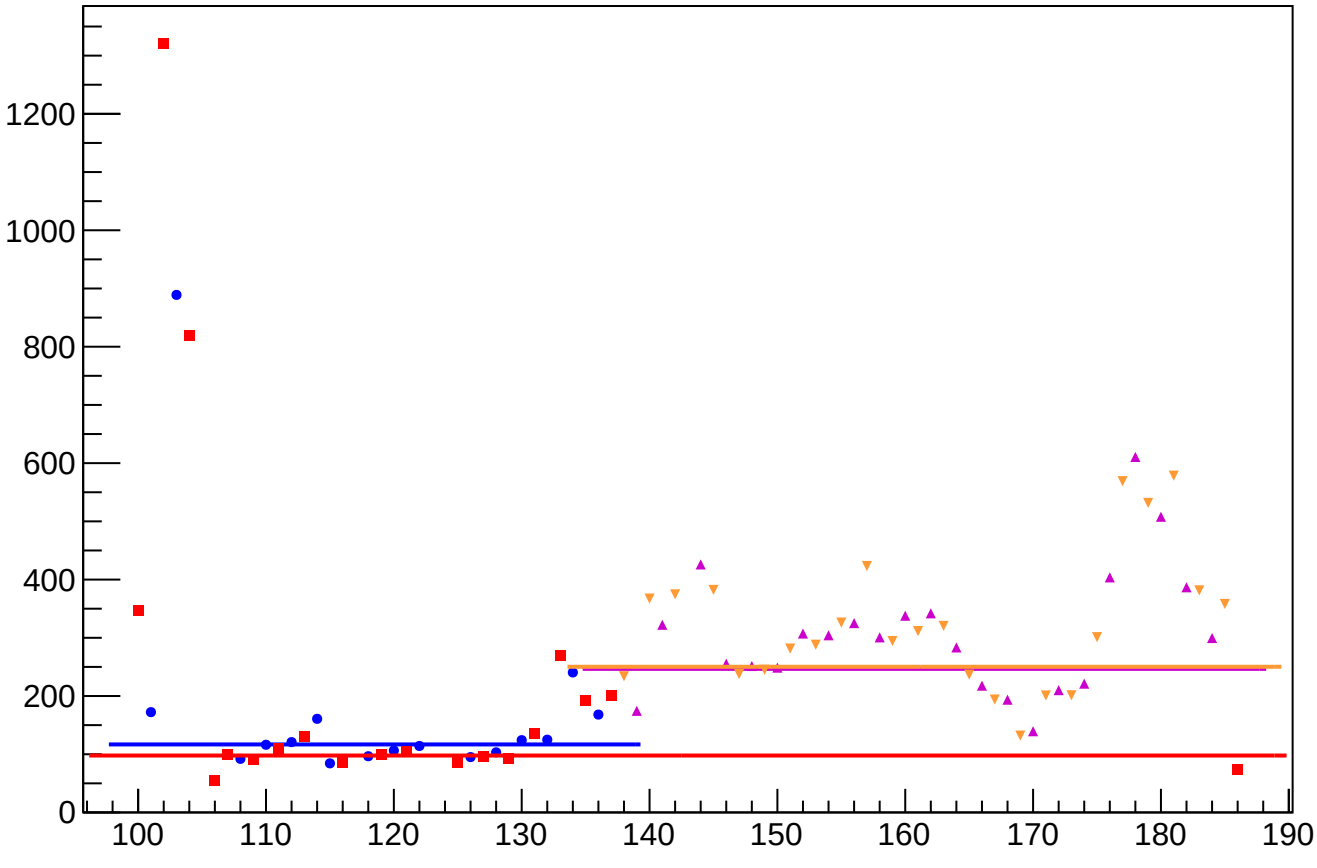
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.034+/-0.031 χ^2/NDF: 42.0/34

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.035+/-0.025 χ^2/NDF: 99.5/81



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

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

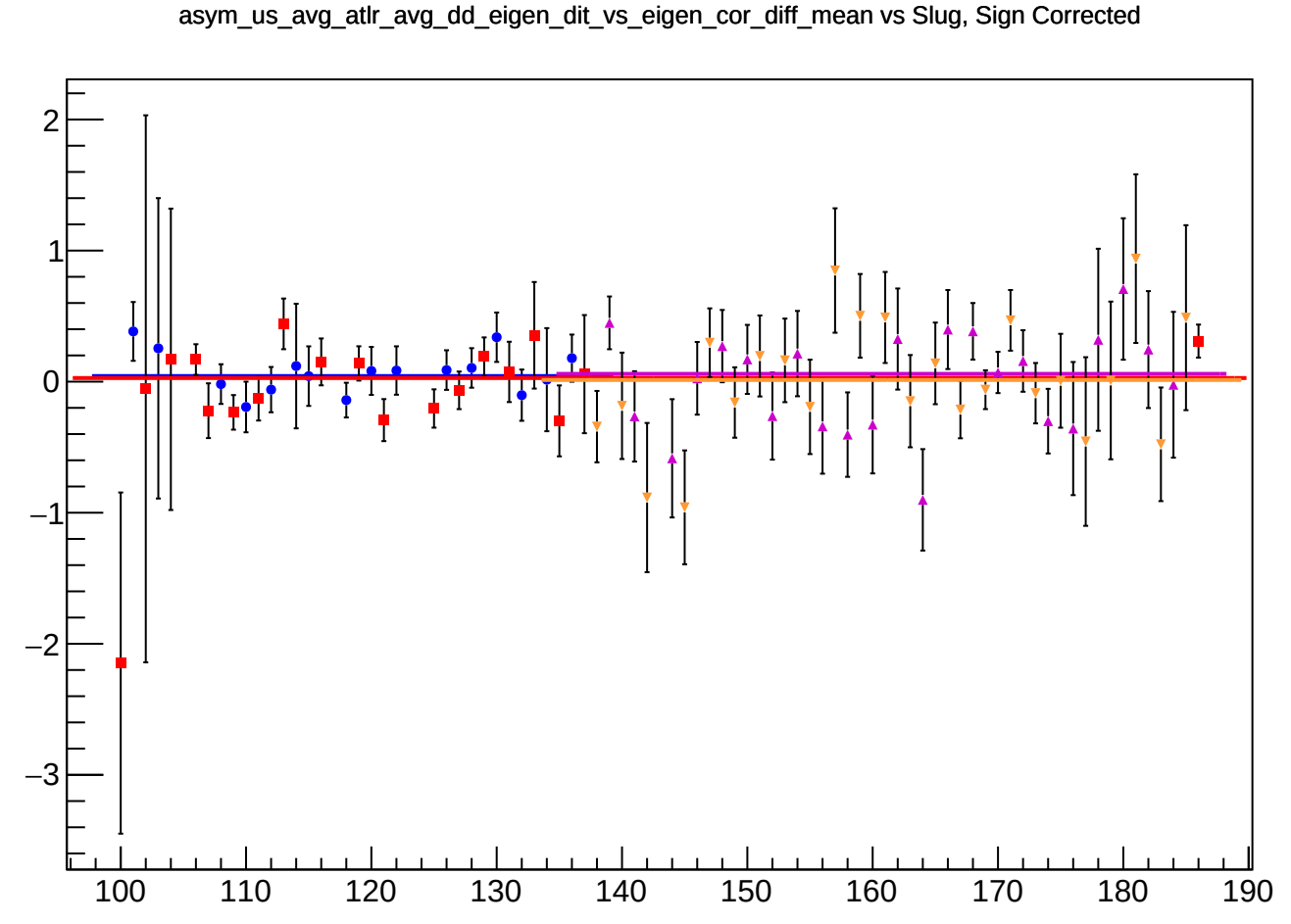
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 105.933+/-0.022 χ^2/NDF: 4545435.5/34

In: 164.791+/-0.027 χ^2/NDF:10918599.7/38

Out: 143.163+/-0.024 χ^2/NDF:15317986.8/42

All: 152.983+/-0.018 χ^2/NDF: 26596110.2/81



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

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

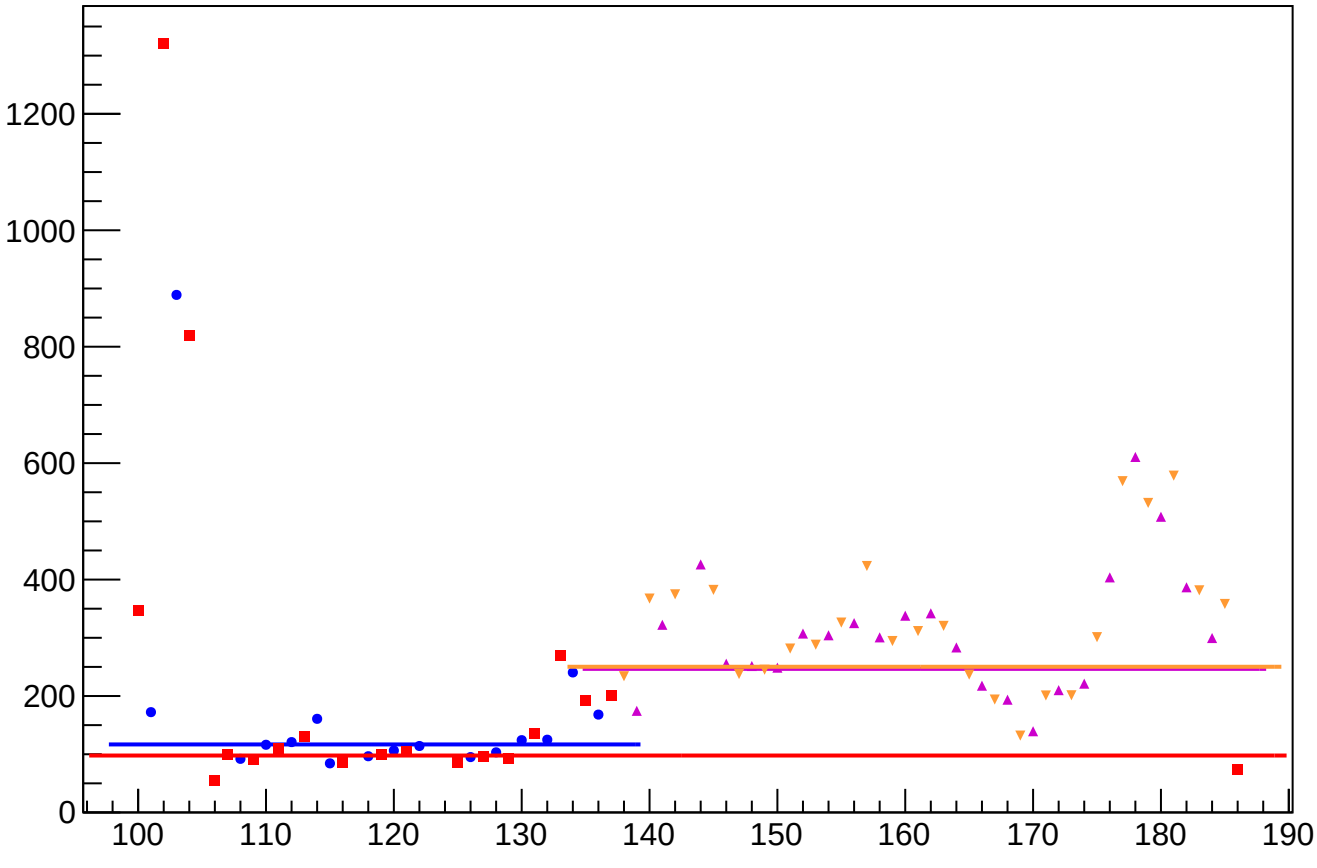
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.034+/-0.031 χ^2/NDF: 42.0/34

In: 0.049+/-0.038 χ^2/NDF:38.2/38

Out: 0.023+/-0.034 χ^2/NDF:61.0/42

All: 0.035+/-0.025 χ^2/NDF: 99.5/81



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

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

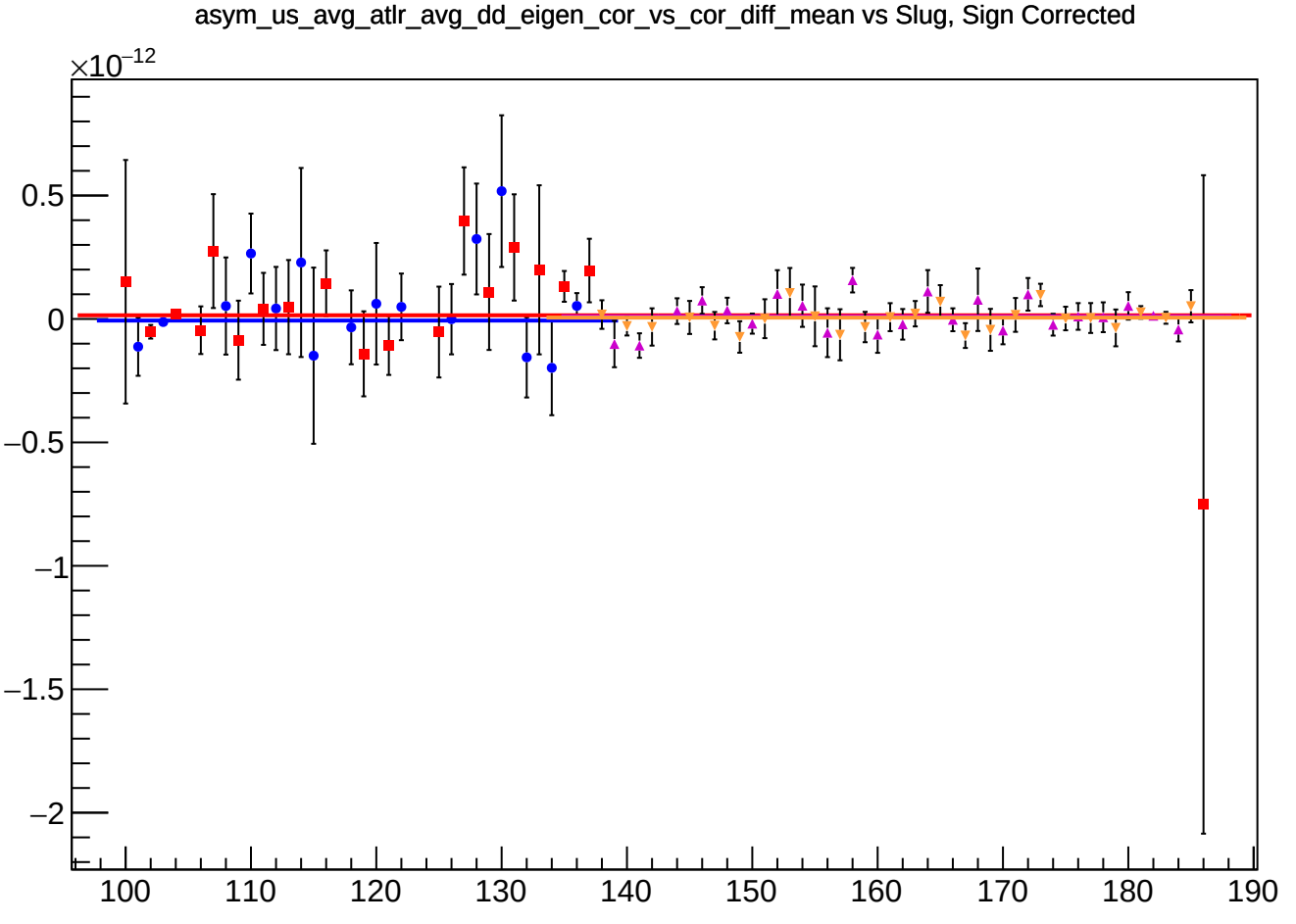
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 105.933+/-0.022 χ^2/NDF: 4545435.5/34

In: 164.791+/-0.027 χ^2/NDF:10918599.7/38

Out: 143.163+/-0.024 χ^2/NDF:15317986.8/42

All: 152.983+/-0.018 χ^2/NDF: 26596110.2/81



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

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

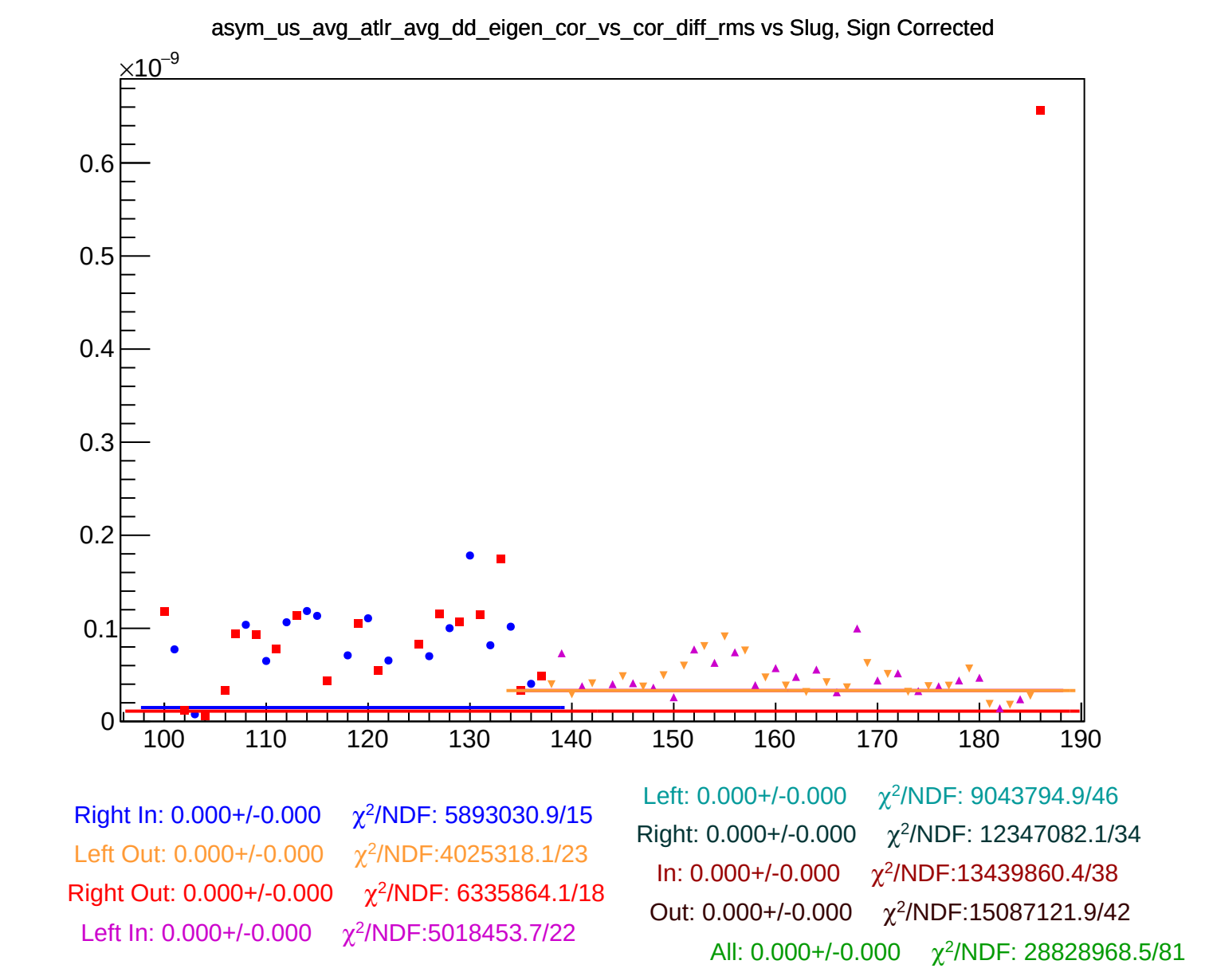
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

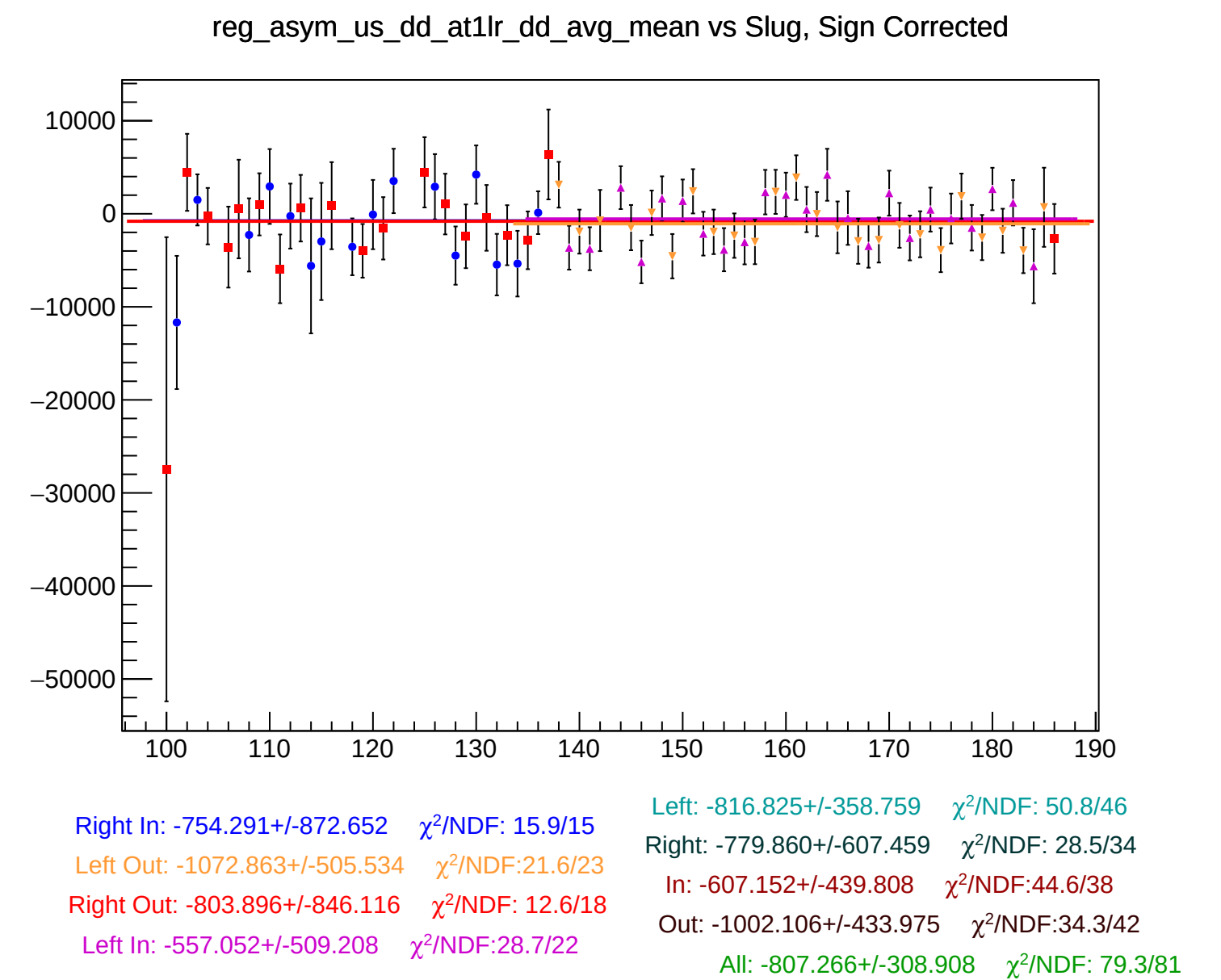
Right: 0.000+/-0.000 χ^2/NDF: 37.1/34

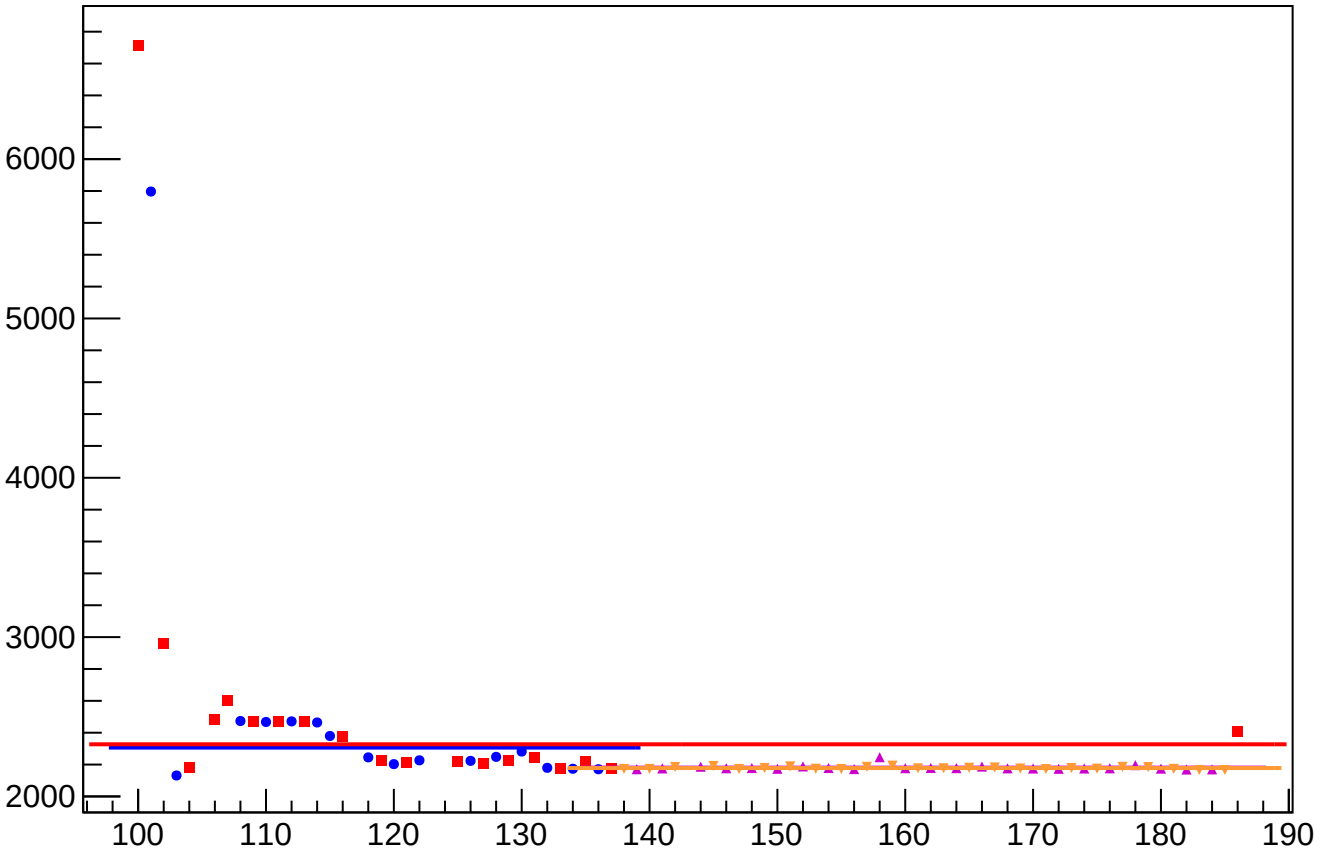
In: 0.000+/-0.000 χ^2/NDF:42.0/38

Out: 0.000+/-0.000 χ^2/NDF:36.5/42

All: 0.000+/-0.000 χ^2/NDF: 78.9/81


asym_us_avg_atlr_avg_dd_eigen_cor_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: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 6335864.1/18
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 12347082.1/34
In: 0.000+/-0.000 χ²/NDF:13439860.4/38
Out: 0.000+/-0.000 χ²/NDF:15087121.9/42
All: 0.000+/-0.000 χ²/NDF: 28828968.5/81


reg_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -754.291+/-872.652 χ²/NDF: 15.9/15
Left Out: -1072.863+/-505.534 χ²/NDF:21.6/23
Right Out: -803.896+/-846.116 χ²/NDF: 12.6/18
Left In: -557.052+/-509.208 χ²/NDF:28.7/22
Left: -816.825+/-358.759 χ²/NDF: 50.8/46
Right: -779.860+/-607.459 χ²/NDF: 28.5/34
In: -607.152+/-439.808 χ²/NDF:44.6/38
Out: -1002.106+/-433.975 χ²/NDF:34.3/42
All: -807.266+/-308.908 χ²/NDF: 79.3/81



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

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

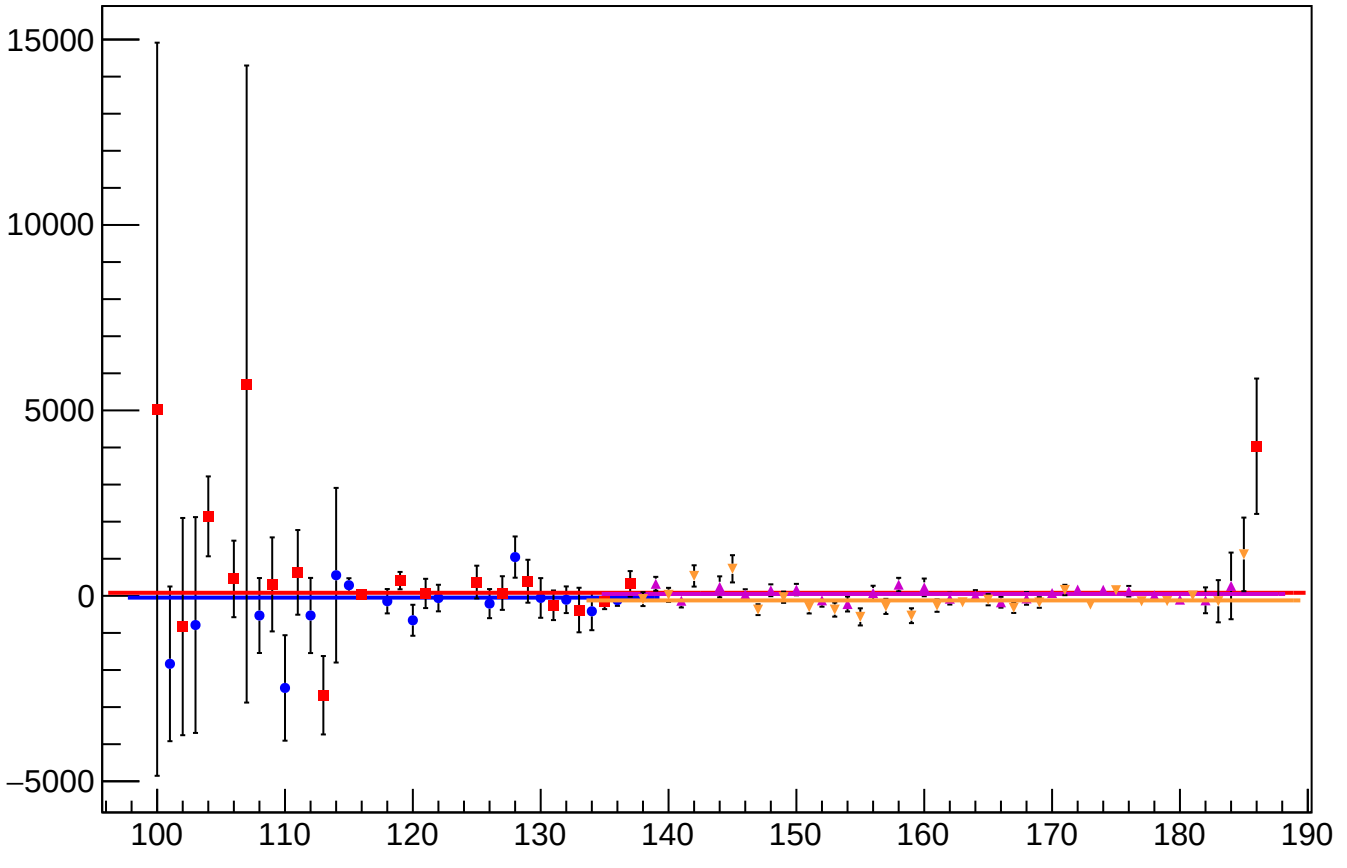
Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

Right: 2317.254+/-0.430 χ^2/NDF: 667432.4/34

In: 2212.854+/-0.311 χ^2/NDF:546985.2/38

Out: 2217.438+/-0.307 χ^2/NDF:198794.1/42

All: 2215.176+/-0.218 χ^2/NDF: 745889.5/81



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

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

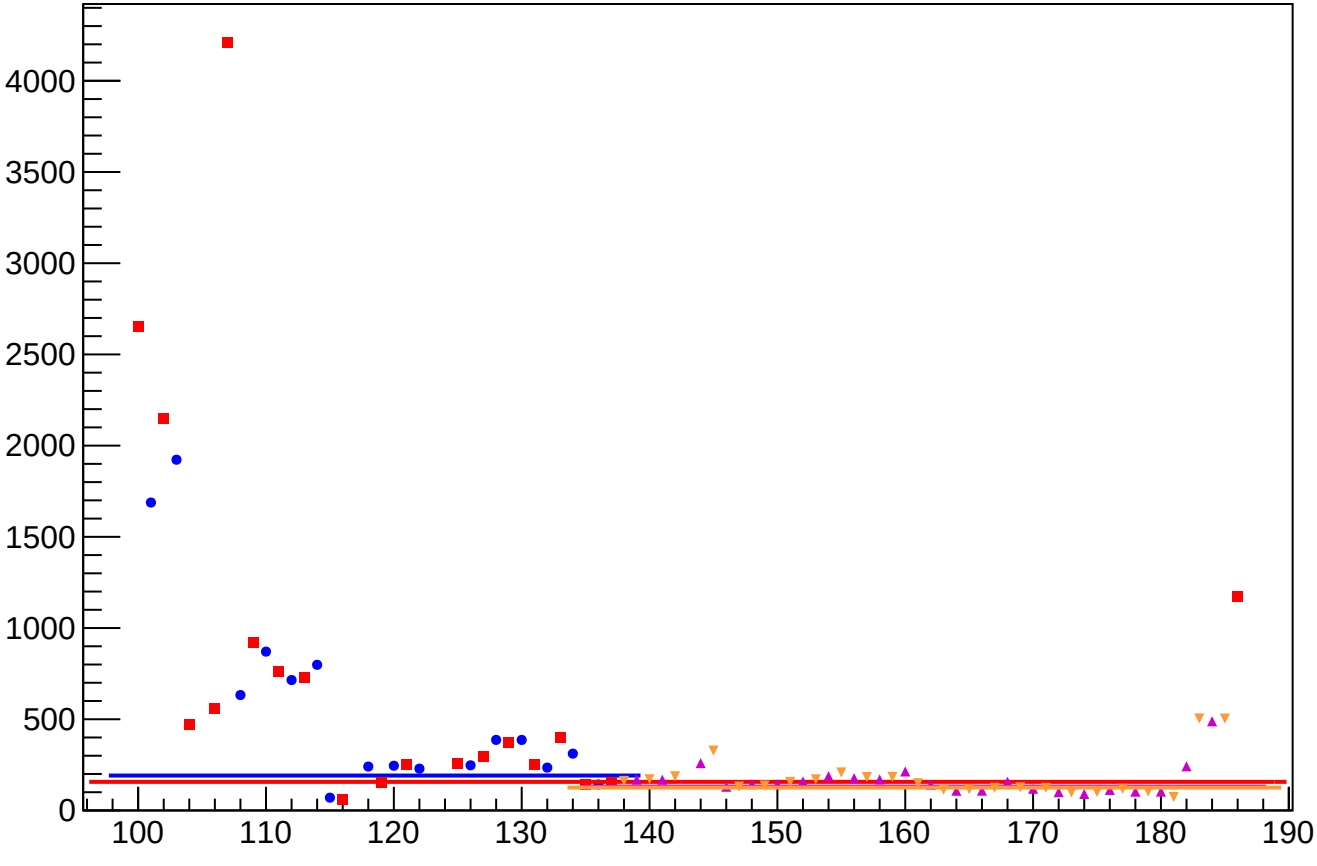
Right: 23.620+/-61.014 χ^2/NDF: 37.8/34

In: 39.157+/-30.641 χ^2/NDF:33.6/38

Out: -96.914+/-29.344 χ^2/NDF:71.6/42

All: -31.819+/-21.193 χ^2/NDF: 115.5/81

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 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

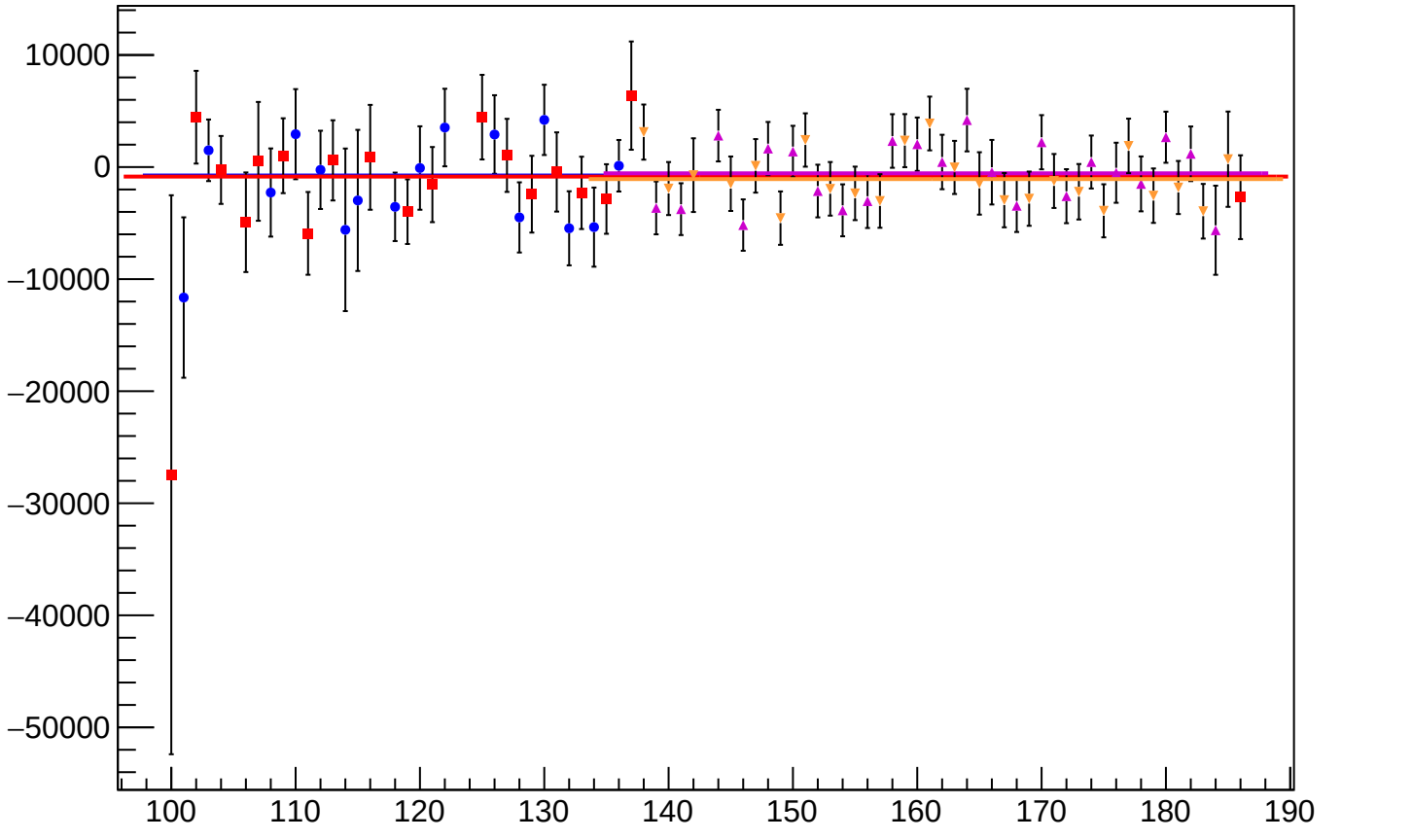
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 172.345+/-0.043 χ^2/NDF: 11999318.6/34

In: 137.359+/-0.022 χ^2/NDF:8541091.7/38

Out: 129.478+/-0.021 χ^2/NDF:10969325.5/42

All: 133.248+/-0.015 χ^2/NDF: 19579434.9/81



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

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

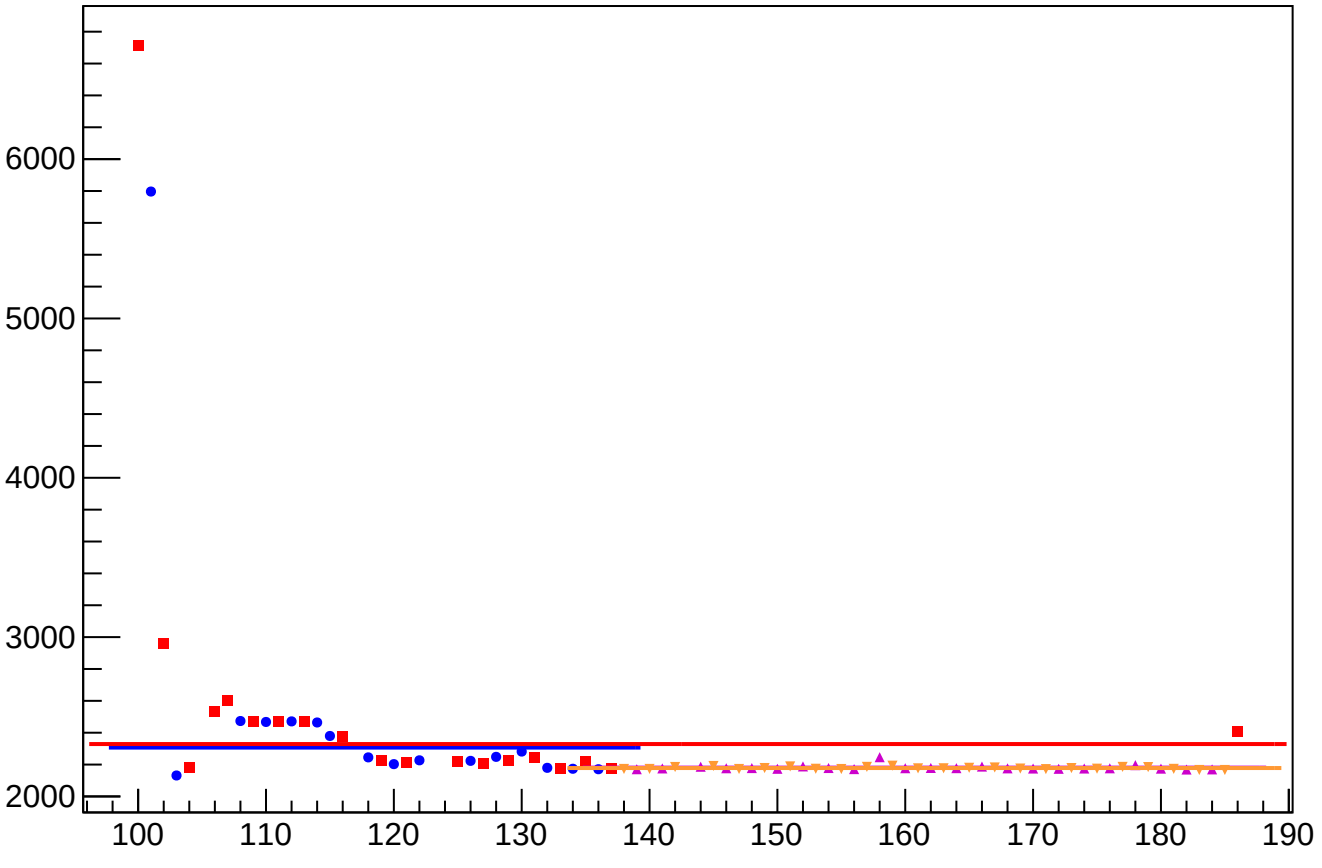
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -802.480+/-607.705 χ^2/NDF: 28.9/34

In: -606.926+/-439.808 χ^2/NDF:44.6/38

Out: -1013.928+/-434.064 χ^2/NDF:34.7/42

All: -813.102+/-308.940 χ^2/NDF: 79.7/81



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

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

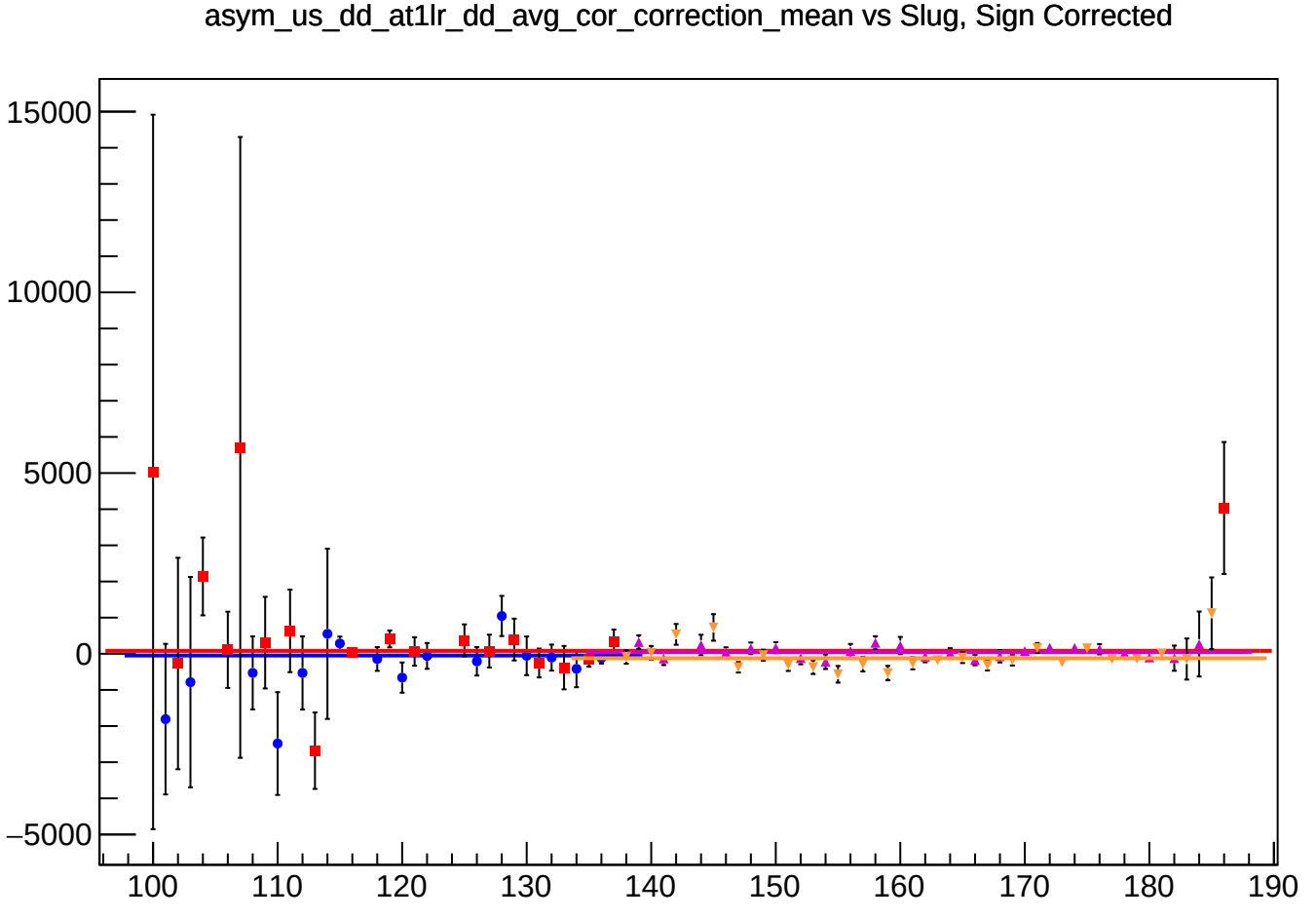
Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

Right: 2318.068+/-0.430 χ^2/NDF: 669278.8/34

In: 2212.854+/-0.311 χ^2/NDF:546985.5/38

Out: 2217.811+/-0.307 χ^2/NDF:201478.1/42

All: 2215.365+/-0.218 χ^2/NDF: 748592.4/81



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

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

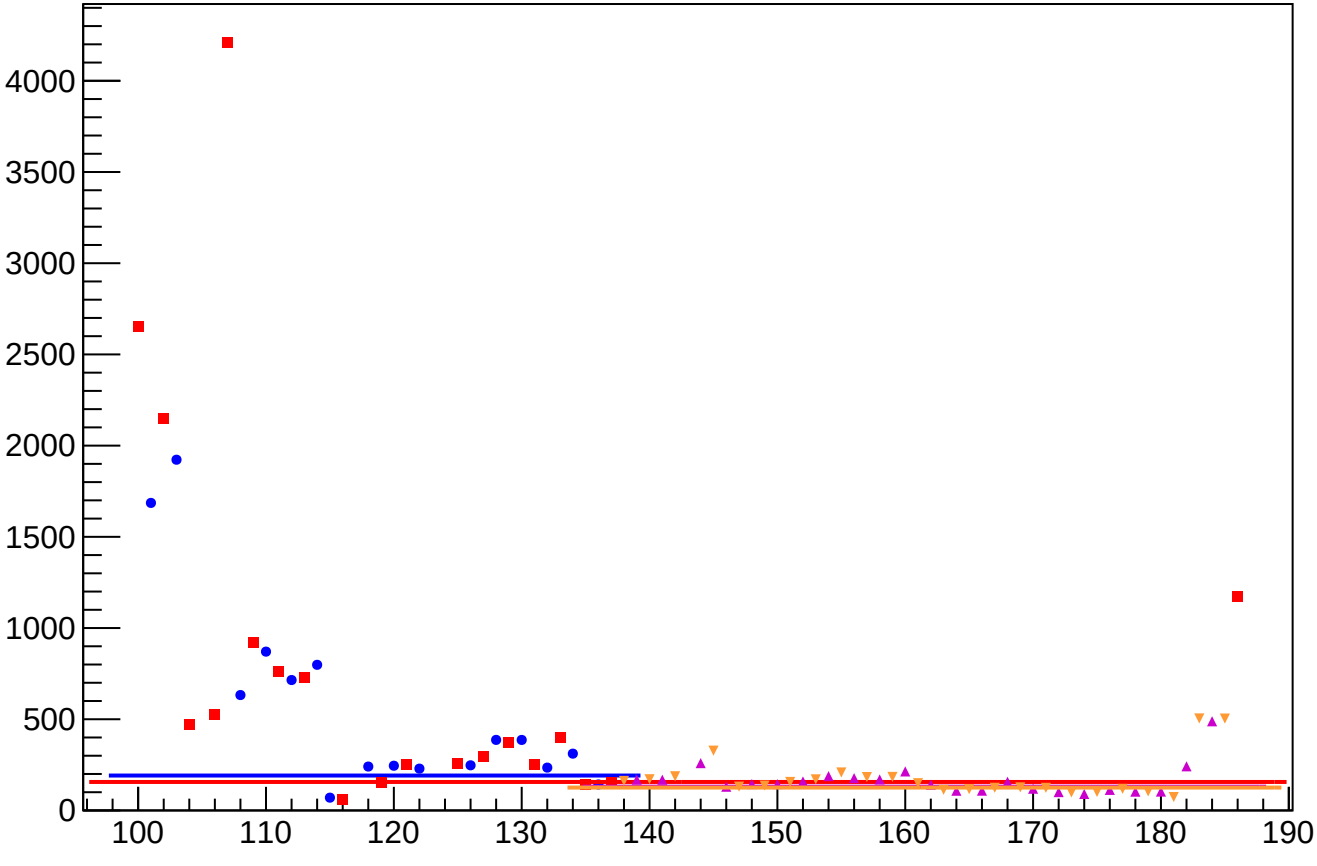
Right: 22.551+/-60.990 χ^2/NDF: 37.6/34

In: 39.058+/-30.644 χ^2/NDF:33.6/38

Out: -97.067+/-29.341 χ^2/NDF:71.2/42

All: -31.959+/-21.193 χ^2/NDF: 115.2/81

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 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

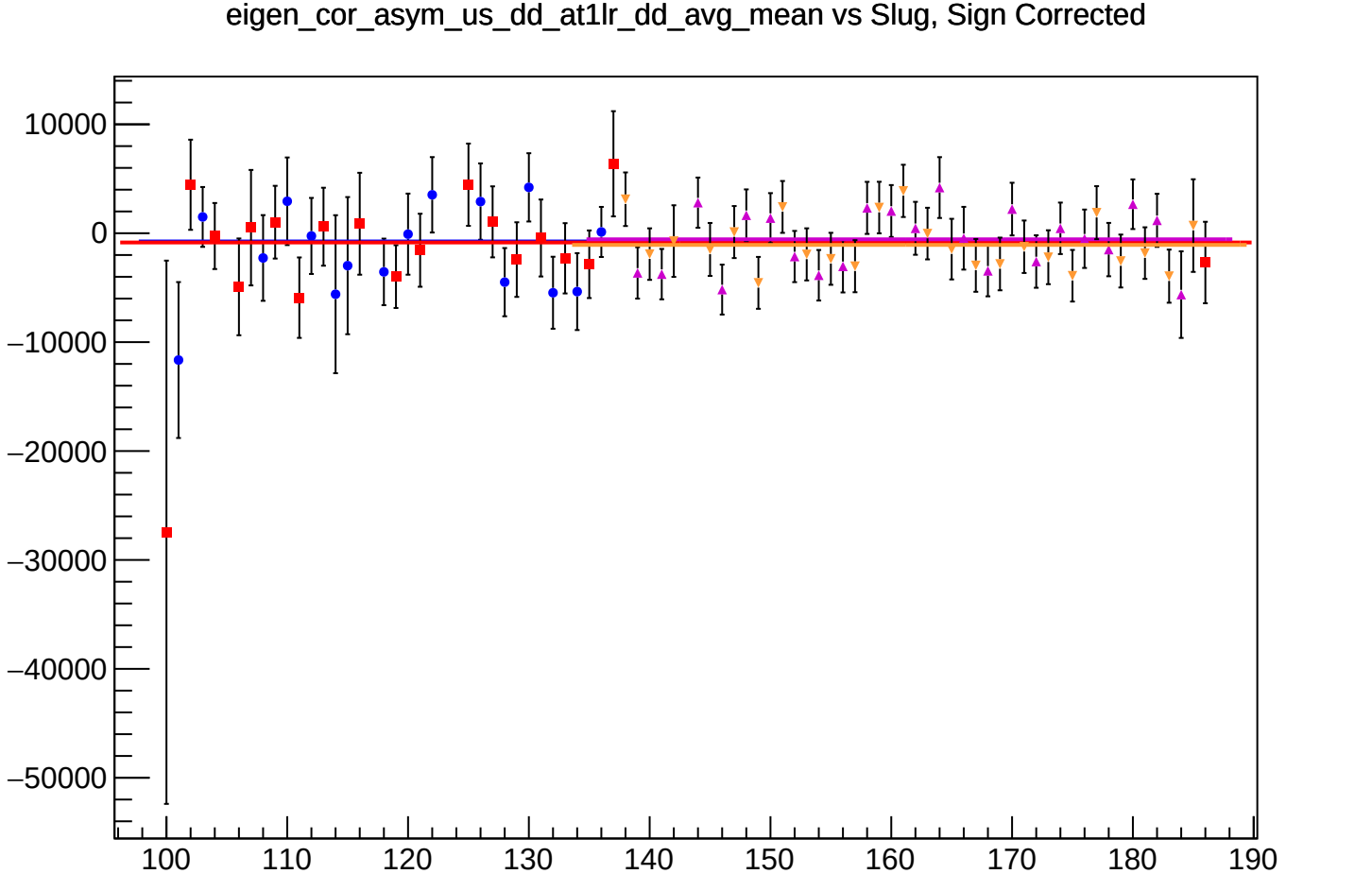
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 172.036+/-0.043 χ^2/NDF: 11958735.4/34

In: 137.375+/-0.022 χ^2/NDF:8539768.3/38

Out: 129.409+/-0.021 χ^2/NDF:10916685.3/42

All: 133.219+/-0.015 χ^2/NDF: 19526973.2/81



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

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

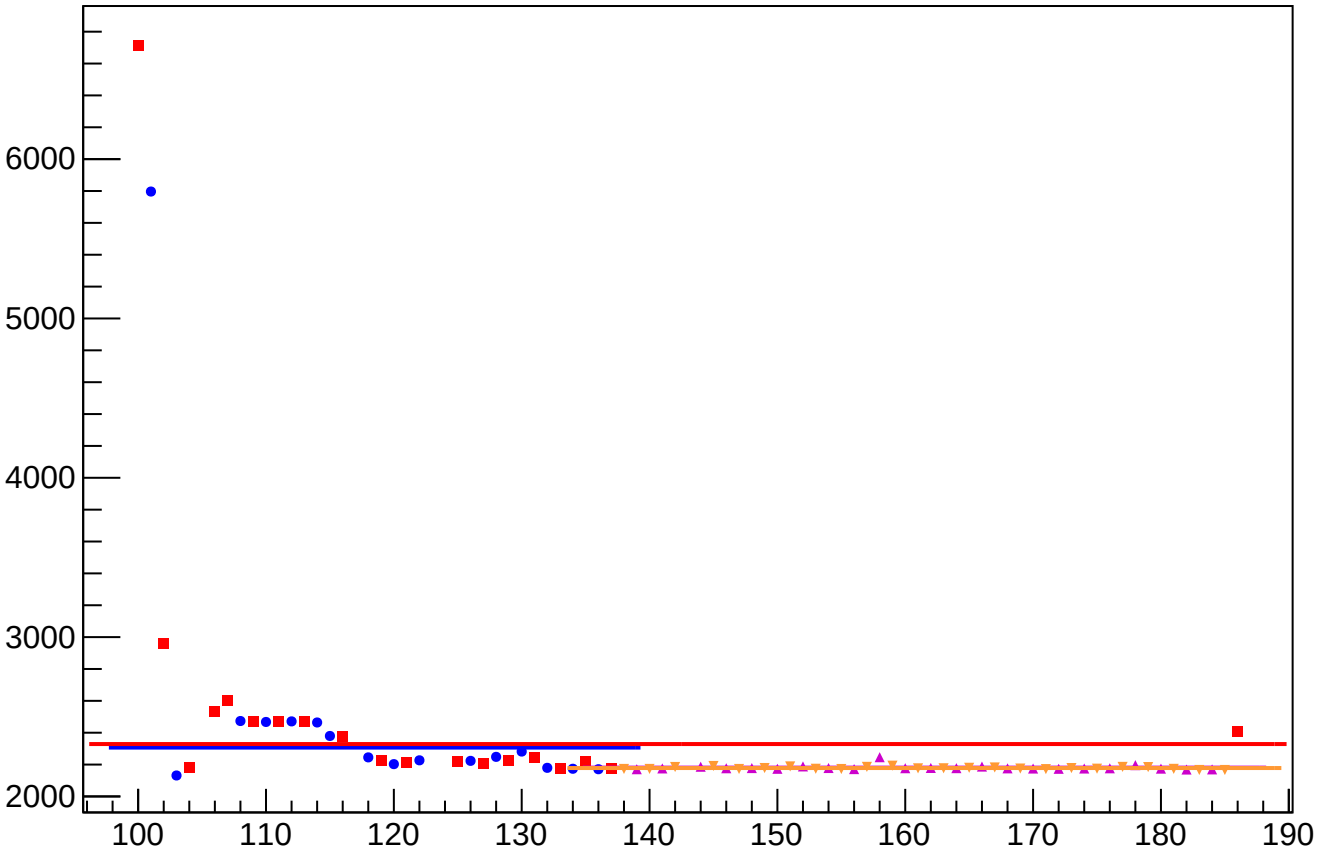
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -802.480+/-607.705 χ^2/NDF: 28.9/34

In: -606.926+/-439.808 χ^2/NDF:44.6/38

Out: -1013.928+/-434.064 χ^2/NDF:34.7/42

All: -813.102+/-308.940 χ^2/NDF: 79.7/81



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

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

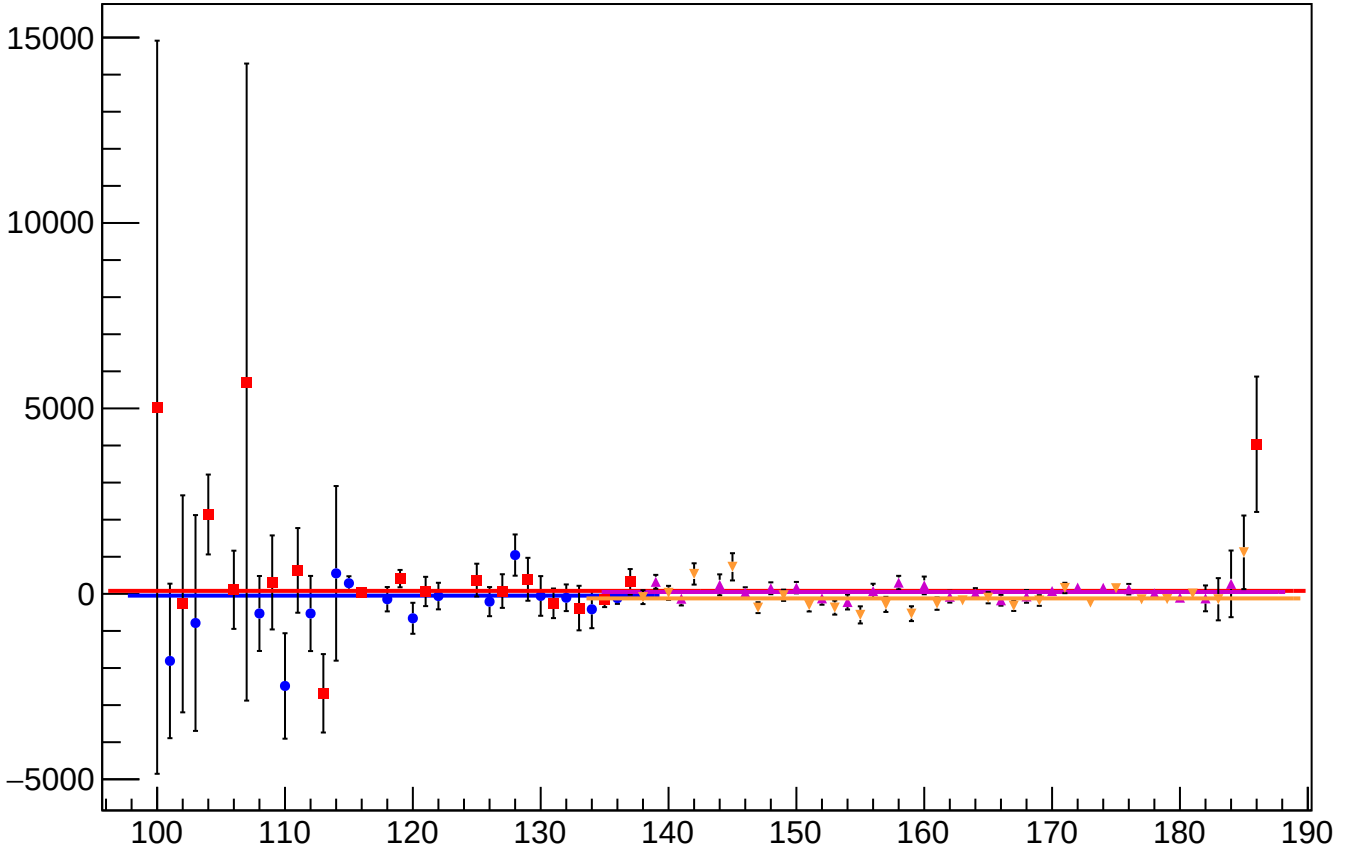
Right: 2318.068+/-0.430 χ^2/NDF: 669278.8/34

In: 2212.854+/-0.311 χ^2/NDF:546985.5/38

Out: 2217.811+/-0.307 χ^2/NDF:201478.1/42

All: 2215.365+/-0.218 χ^2/NDF: 748592.4/81

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -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

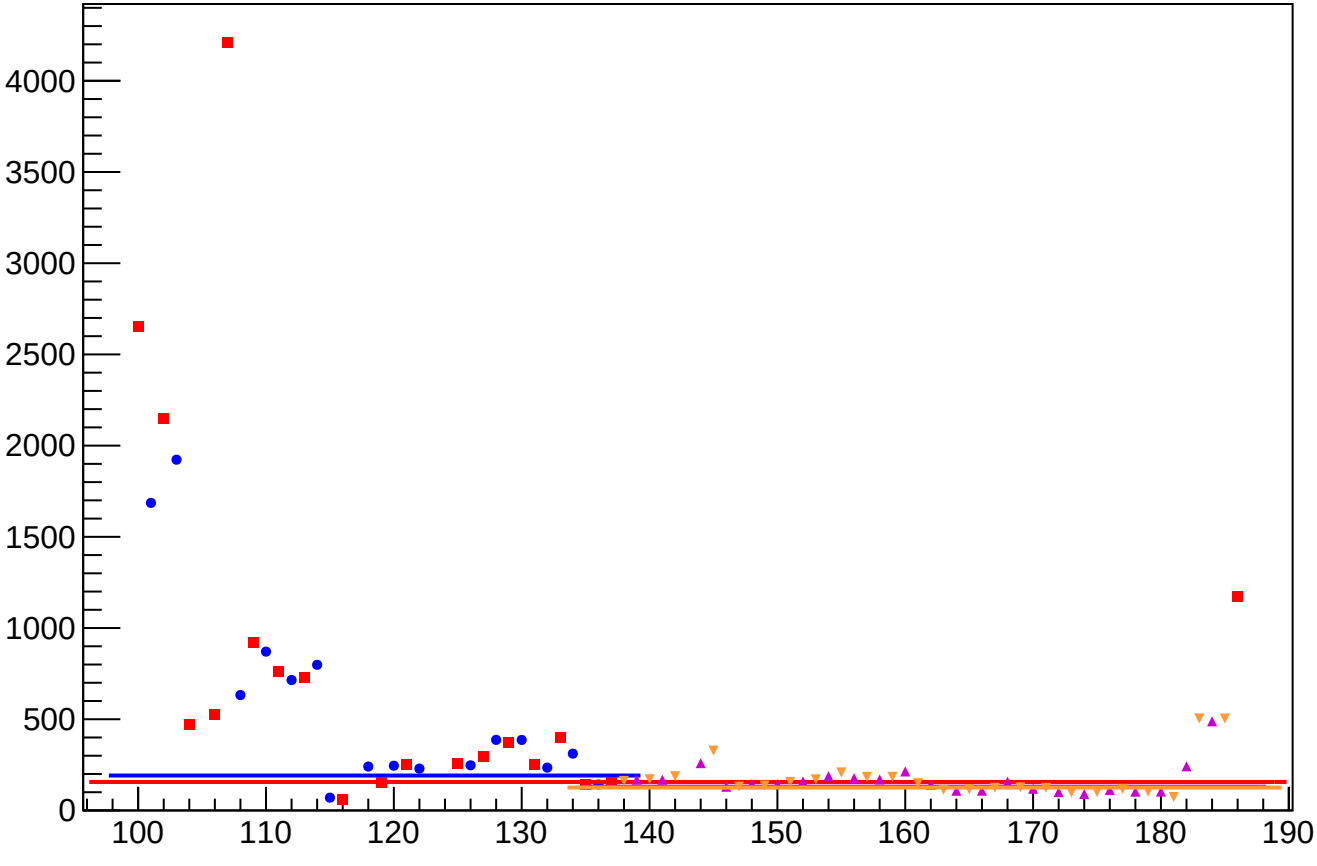
Right: 22.551+/-60.990 χ^2/NDF: 37.6/34

In: 39.058+/-30.644 χ^2/NDF:33.6/38

Out: -97.067+/-29.341 χ^2/NDF:71.2/42

All: -31.959+/-21.193 χ^2/NDF: 115.2/81

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 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

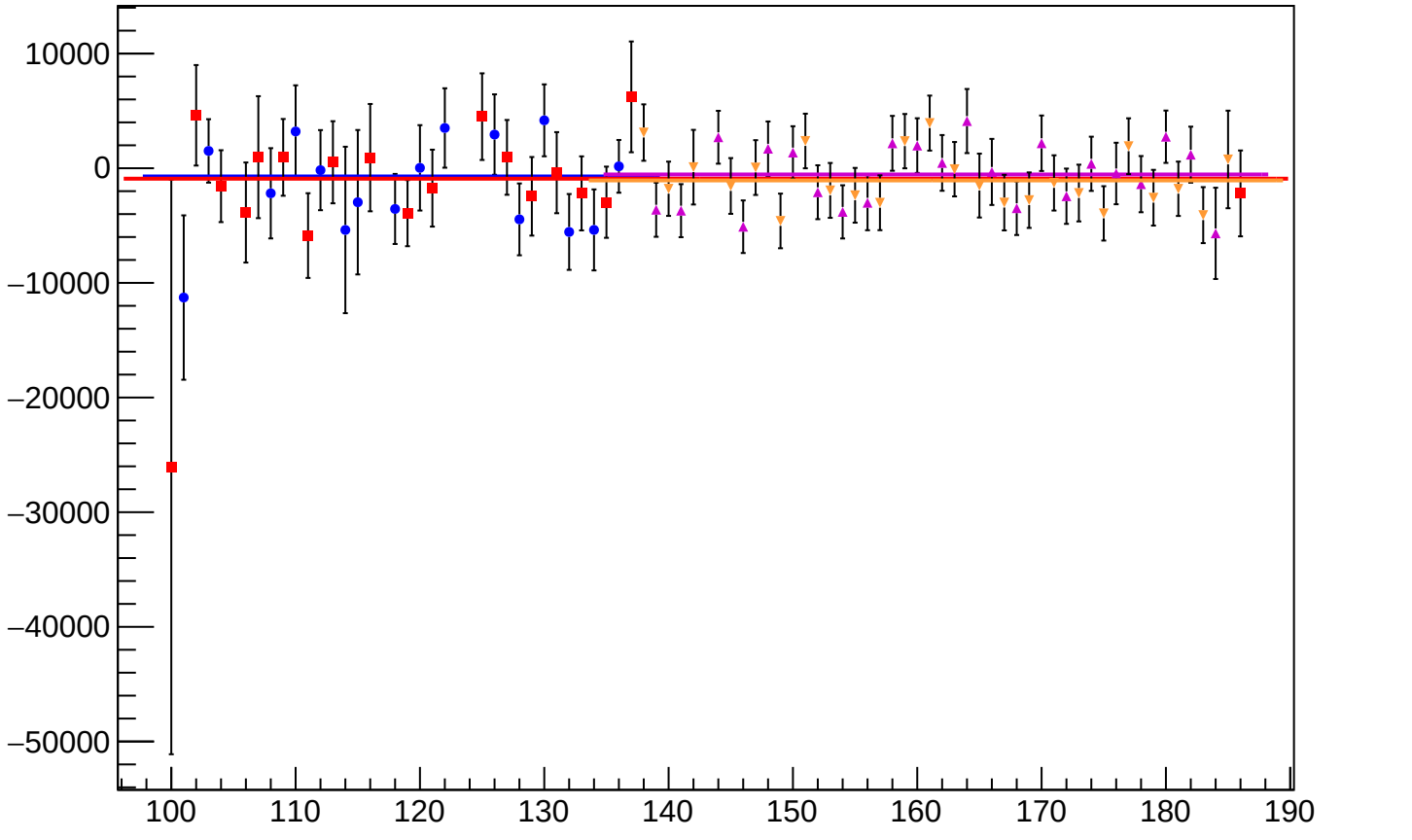
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 172.036+/-0.043 χ^2/NDF: 11958735.4/34

In: 137.375+/-0.022 χ^2/NDF:8539768.3/38

Out: 129.409+/-0.021 χ^2/NDF:10916685.3/42

All: 133.219+/-0.015 χ^2/NDF: 19526973.2/81



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

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

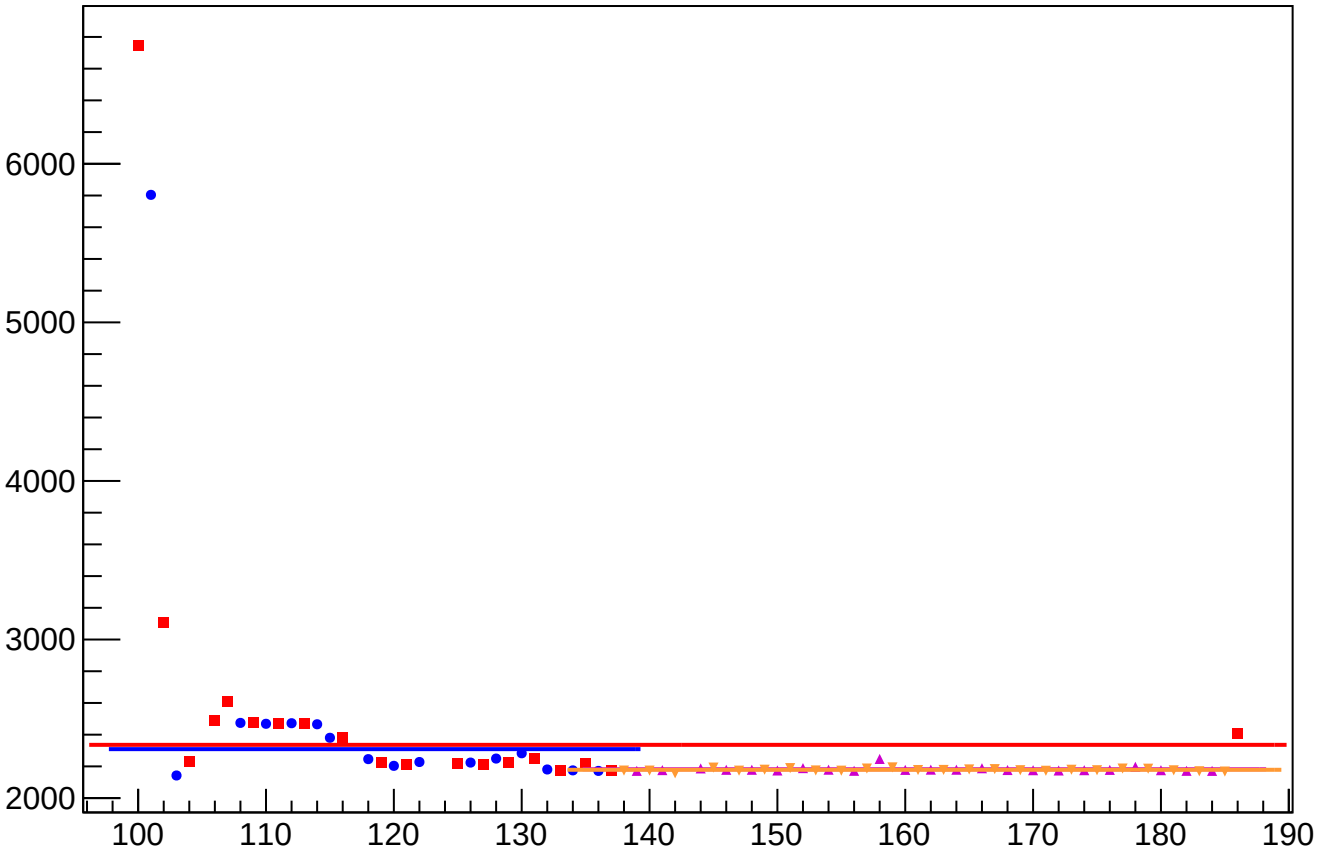
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -817.151+/-609.467 χ^2/NDF: 28.2/34

In: -588.134+/-440.066 χ^2/NDF:43.8/38

Out: -1023.124+/-434.654 χ^2/NDF:34.2/42

All: -808.321+/-309.243 χ^2/NDF: 78.5/81



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

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

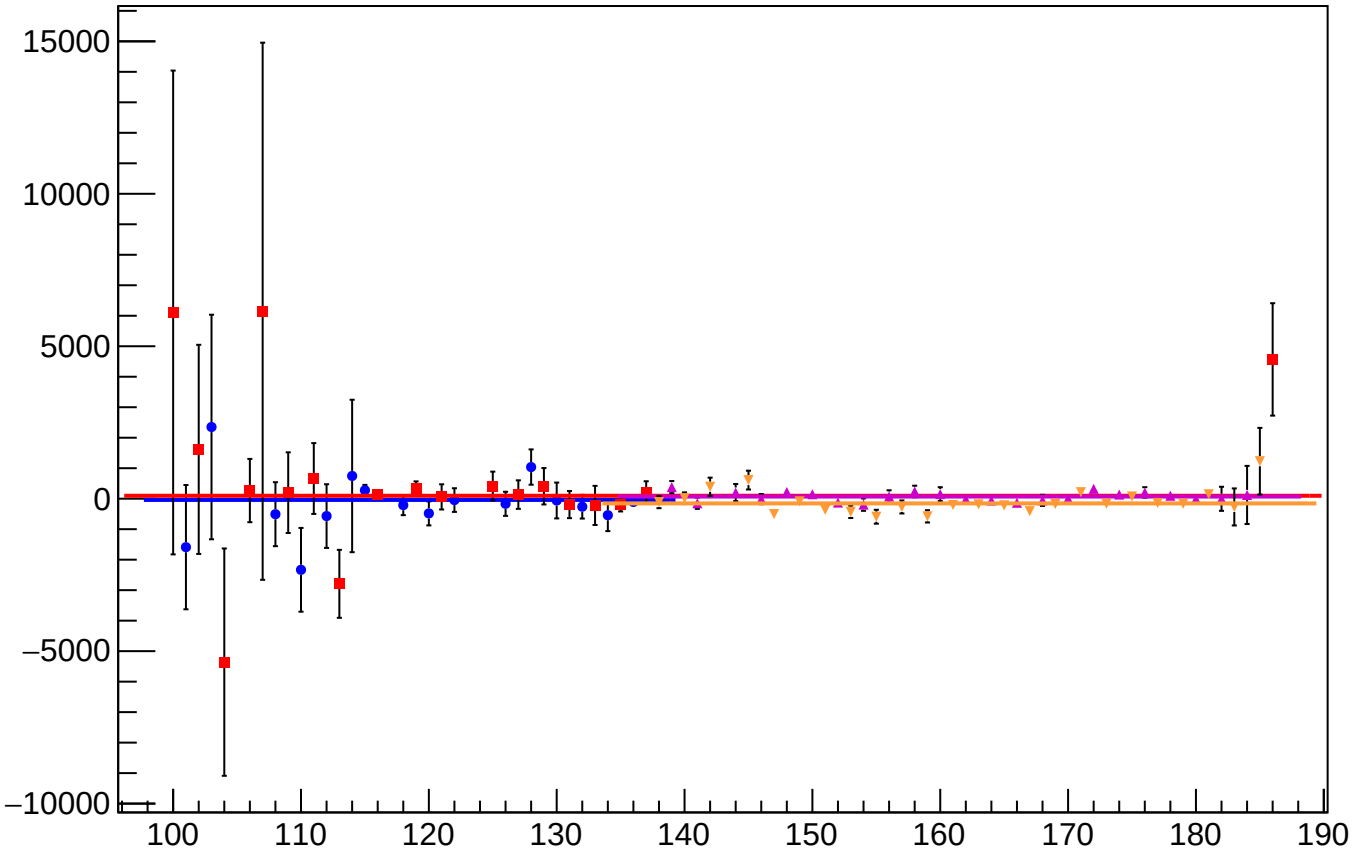
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2322.645+/-0.431 χ^2/NDF: 682858.2/34

In: 2214.077+/-0.311 χ^2/NDF:547054.7/38

Out: 2219.571+/-0.307 χ^2/NDF:219131.2/42

All: 2216.858+/-0.219 χ^2/NDF: 766343.7/81



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

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

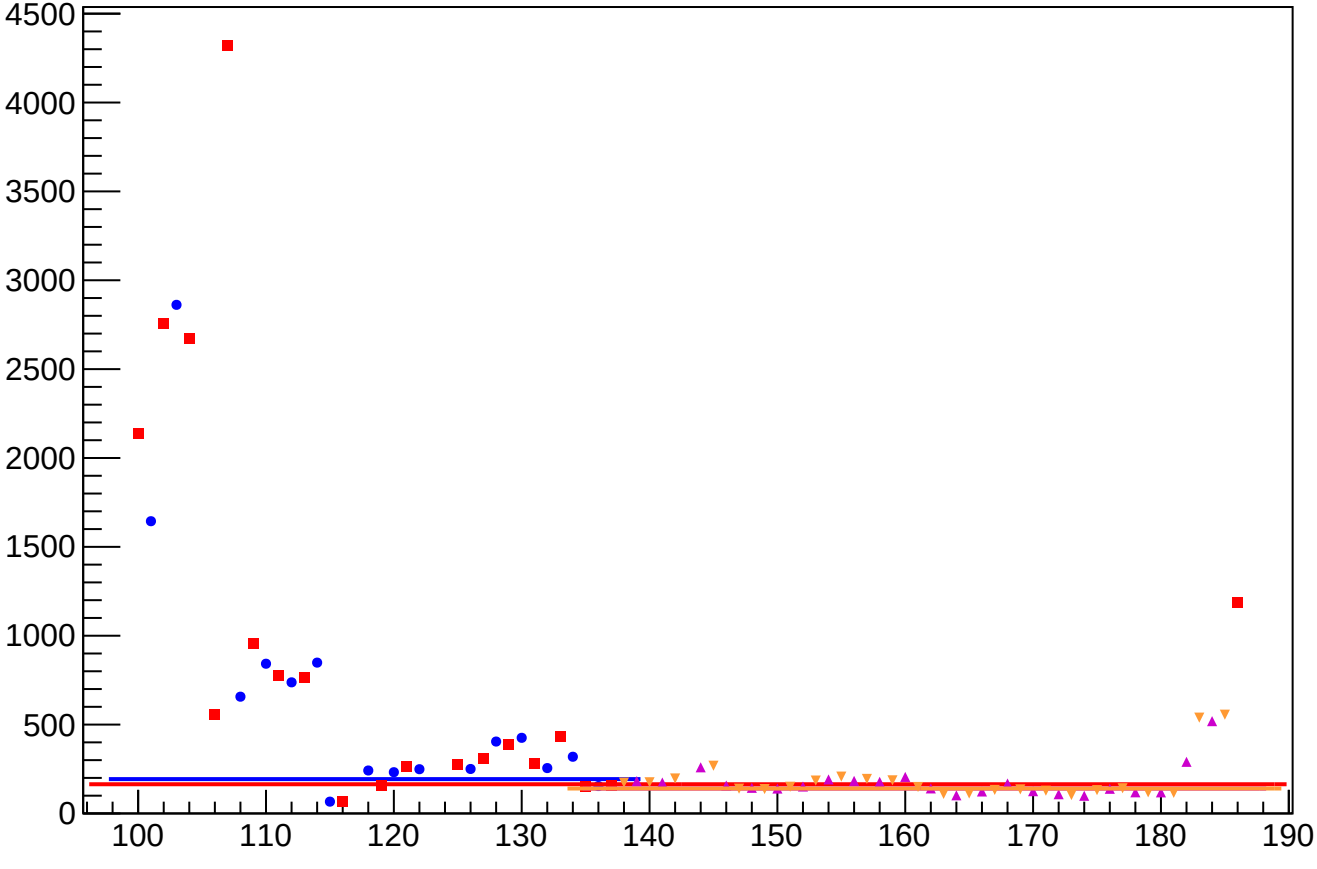
Right: 32.899+/-62.953 χ^2/NDF: 36.1/34

In: 56.856+/-32.077 χ^2/NDF:34.2/38

Out: -120.707+/-31.667 χ^2/NDF:75.5/42

All: -33.069+/-22.536 χ^2/NDF: 125.3/81

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 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

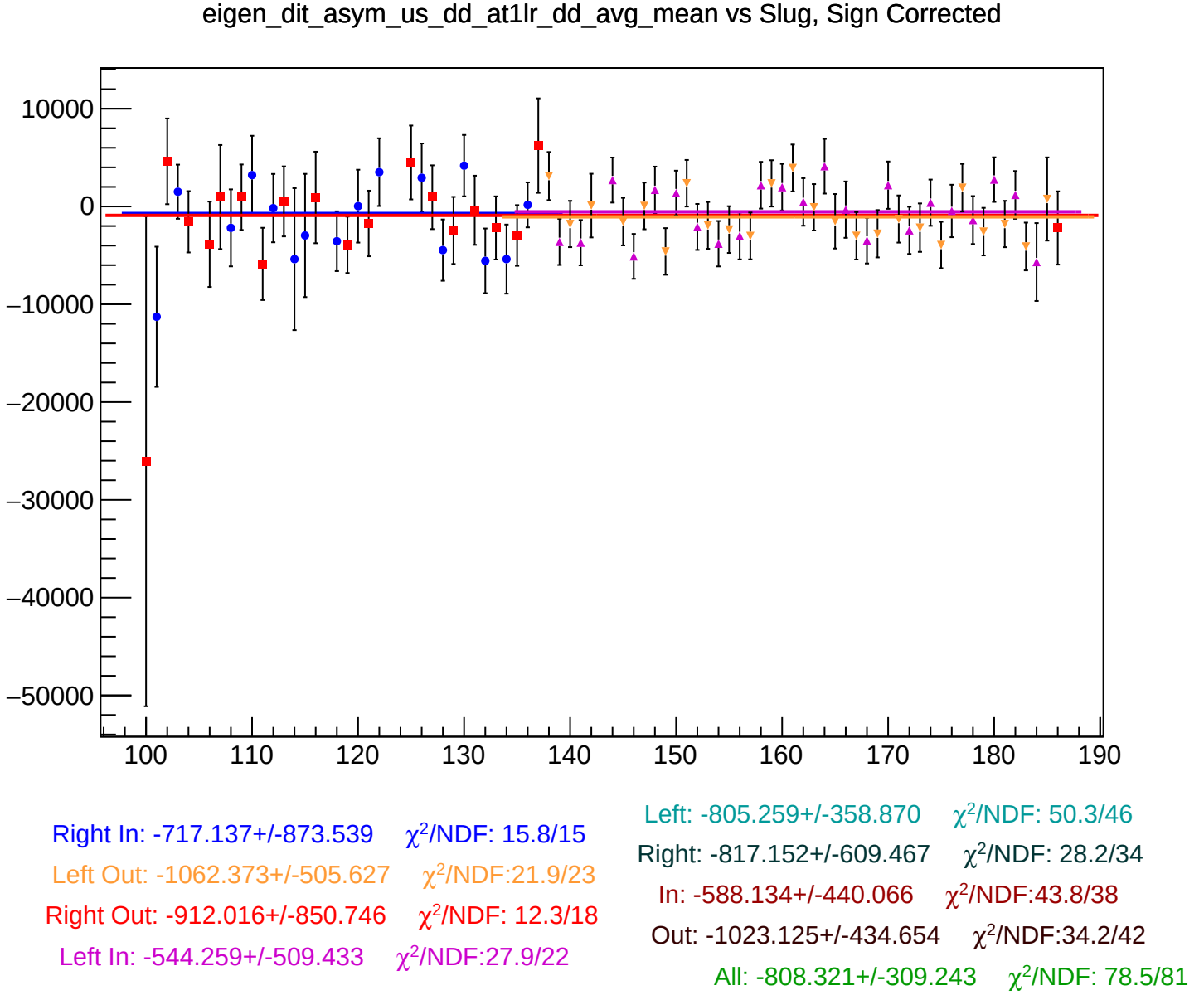
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

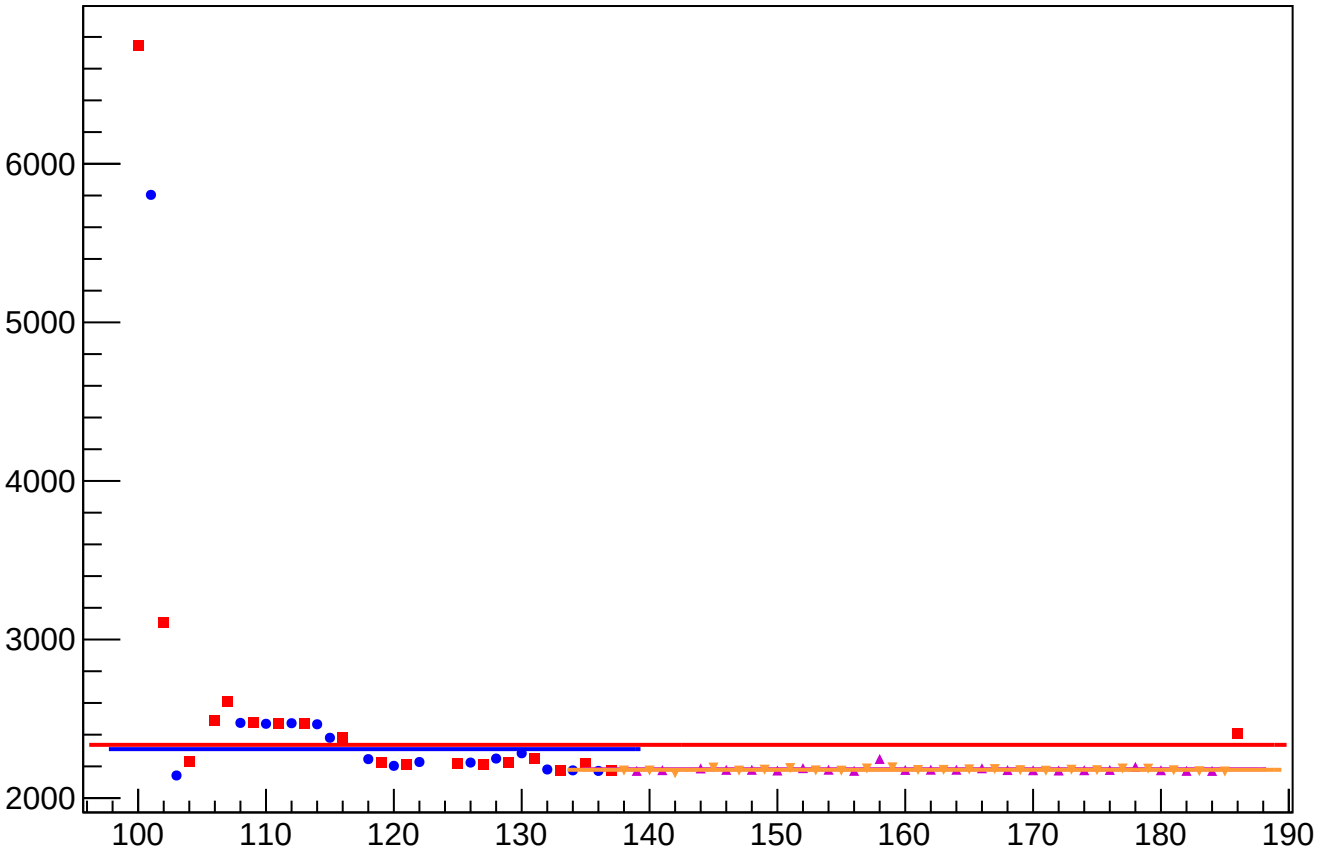
Right: 177.759+/-0.045 χ^2/NDF: 13407563.7/34

In: 146.398+/-0.023 χ^2/NDF:8614975.8/38

Out: 143.576+/-0.022 χ^2/NDF:10579949.3/42

All: 144.969+/-0.016 χ^2/NDF: 19202765.0/81


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: -717.137+/-873.539 χ²/NDF: 15.8/15
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: -817.152+/-609.467 χ²/NDF: 28.2/34
In: -588.134+/-440.066 χ²/NDF:43.8/38
Out: -1023.125+/-434.654 χ²/NDF:34.2/42
All: -808.321+/-309.243 χ²/NDF: 78.5/81



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

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

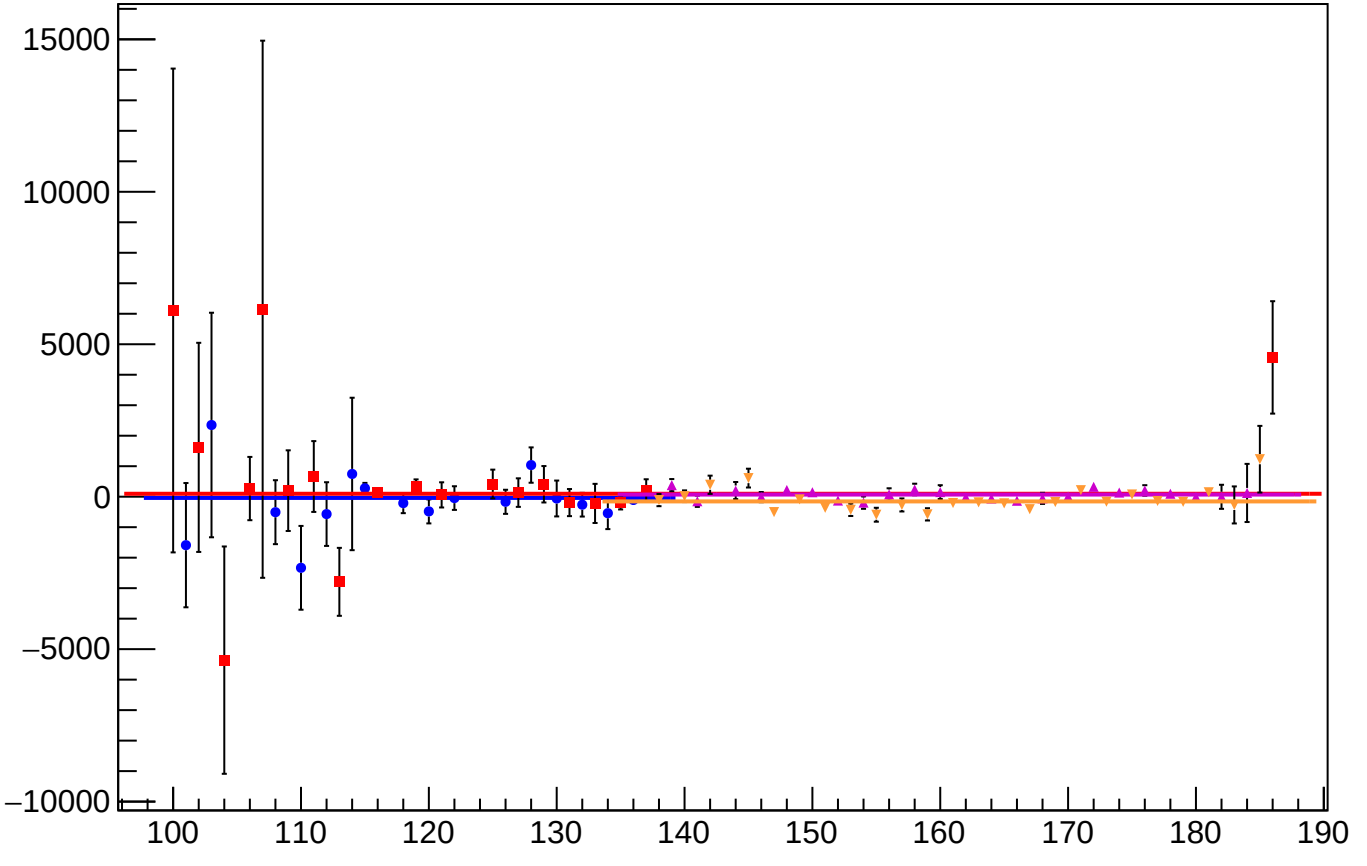
Right: 2322.645+/-0.431 χ^2/NDF: 682858.1/34

In: 2214.077+/-0.311 χ^2/NDF:547054.7/38

Out: 2219.571+/-0.307 χ^2/NDF:219131.1/42

All: 2216.858+/-0.219 χ^2/NDF: 766343.6/81

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -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

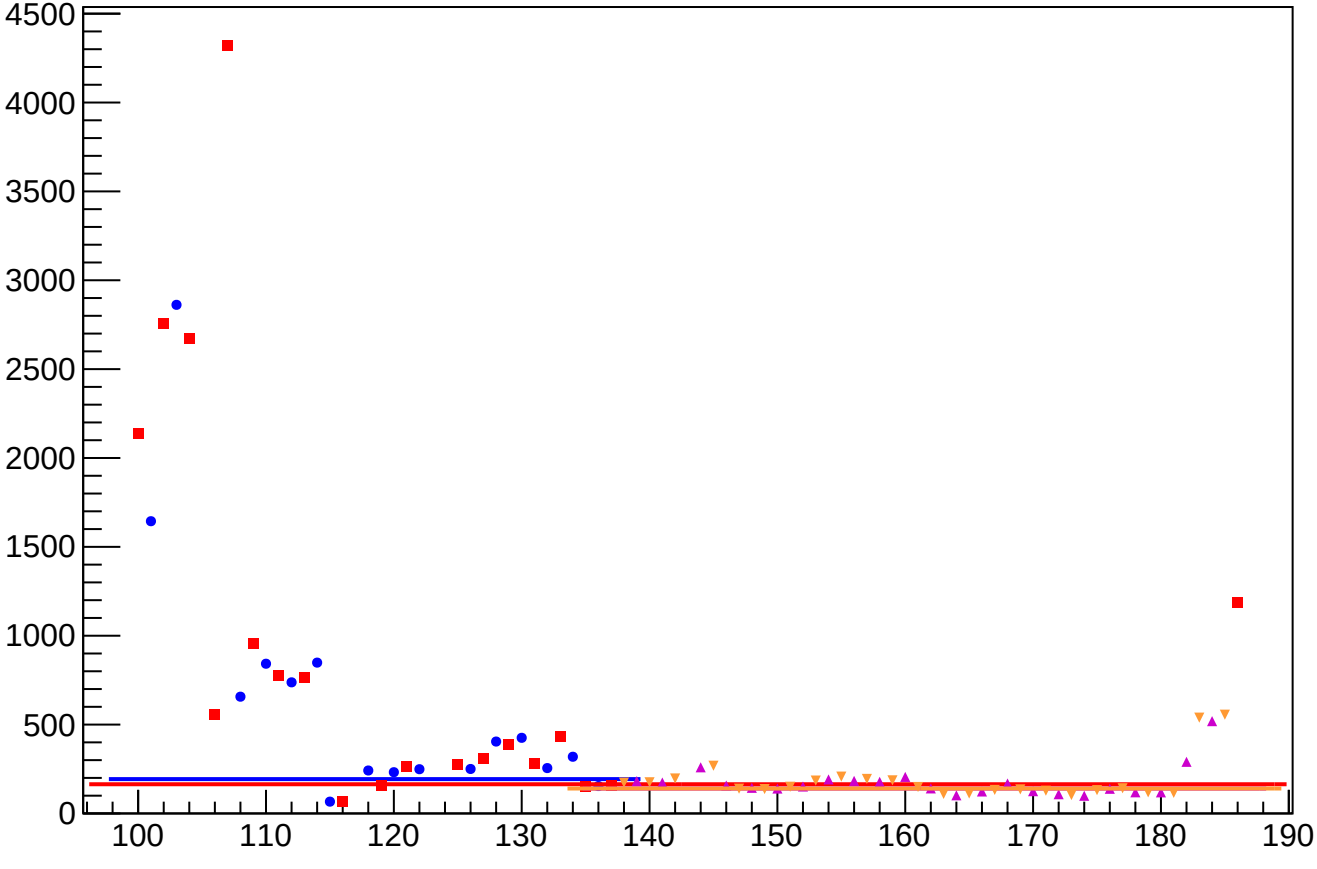
Right: 32.901+/-62.952 χ^2/NDF: 36.1/34

In: 56.855+/-32.078 χ^2/NDF:34.2/38

Out: -120.708+/-31.667 χ^2/NDF:75.5/42

All: -33.069+/-22.536 χ^2/NDF: 125.3/81

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 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

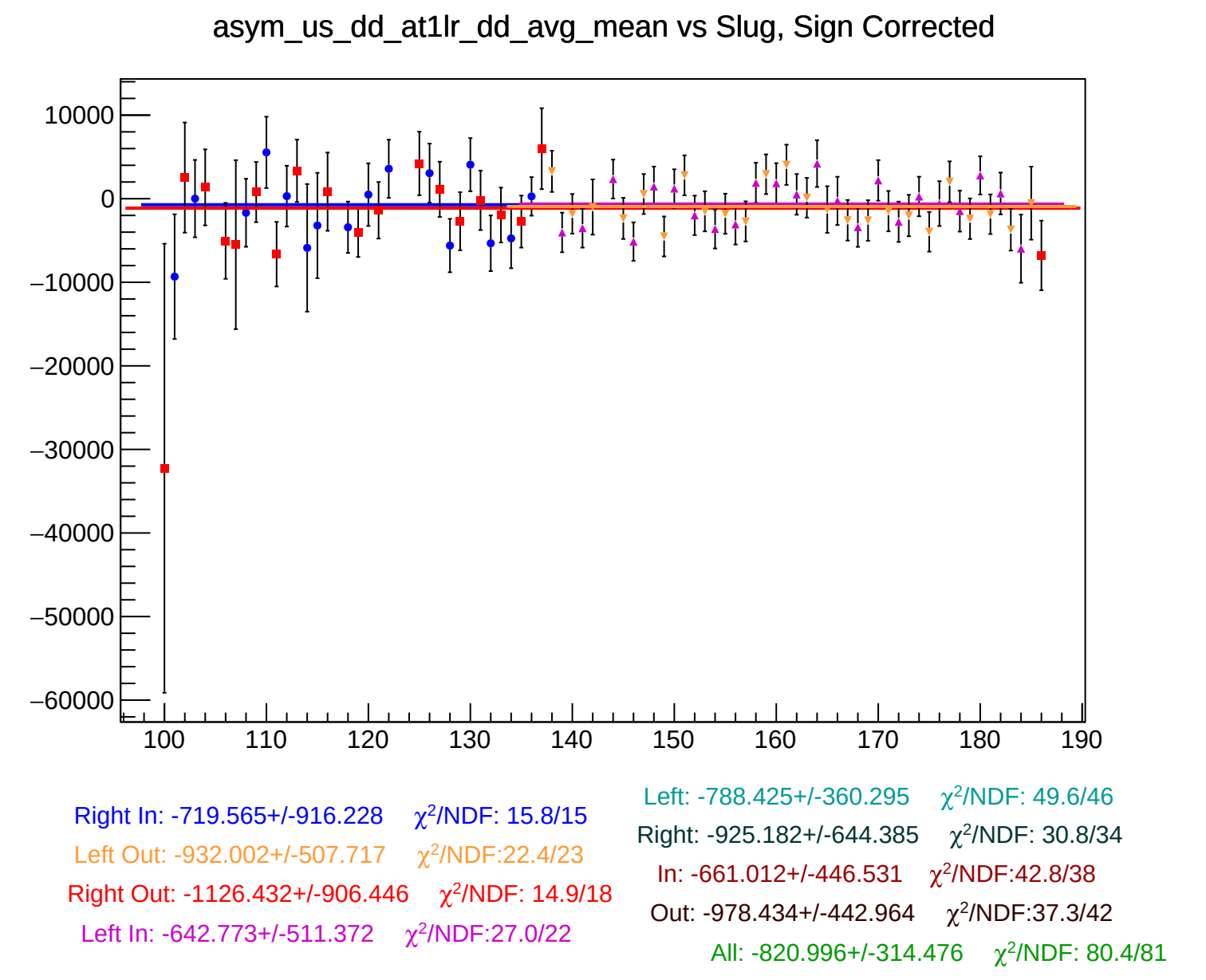
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

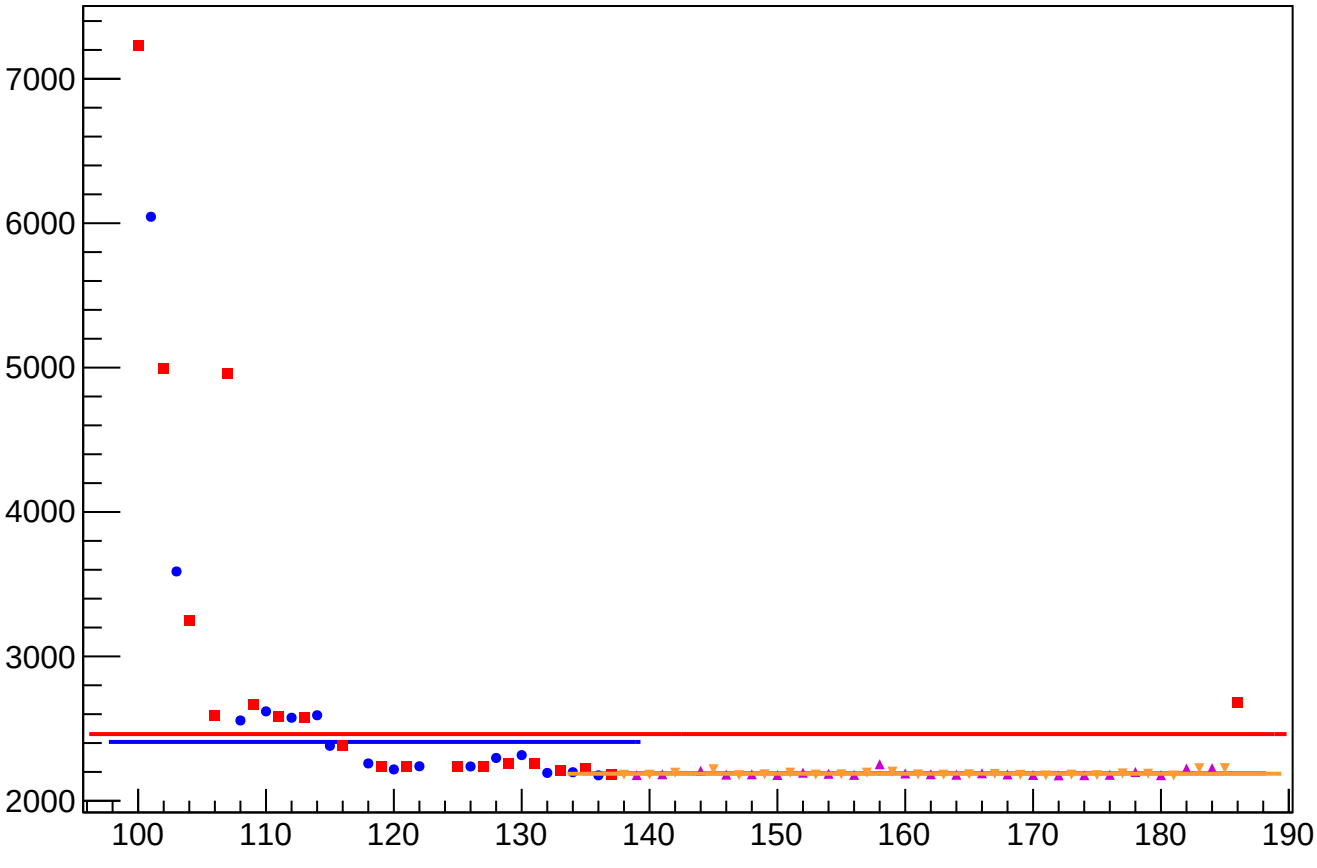
Right: 177.757+/-0.045 χ^2/NDF: 13407664.6/34

In: 146.398+/-0.023 χ^2/NDF:8615022.8/38

Out: 143.576+/-0.022 χ^2/NDF:10579979.5/42

All: 144.969+/-0.016 χ^2/NDF: 19202841.7/81


asym_us_dd_at1lr_dd_avg_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: -719.565+/-916.228 χ²/NDF: 15.8/15
Left Out: -932.002+/-507.717 χ²/NDF:22.4/23
Right Out: -1126.432+/-906.446 χ²/NDF: 14.9/18
Left In: -642.773+/-511.372 χ²/NDF:27.0/22
Left: -788.425+/-360.295 χ²/NDF: 49.6/46
Right: -925.182+/-644.385 χ²/NDF: 30.8/34
In: -661.012+/-446.531 χ²/NDF:42.8/38
Out: -978.434+/-442.964 χ²/NDF:37.3/42
All: -820.996+/-314.476 χ²/NDF: 80.4/81



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

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

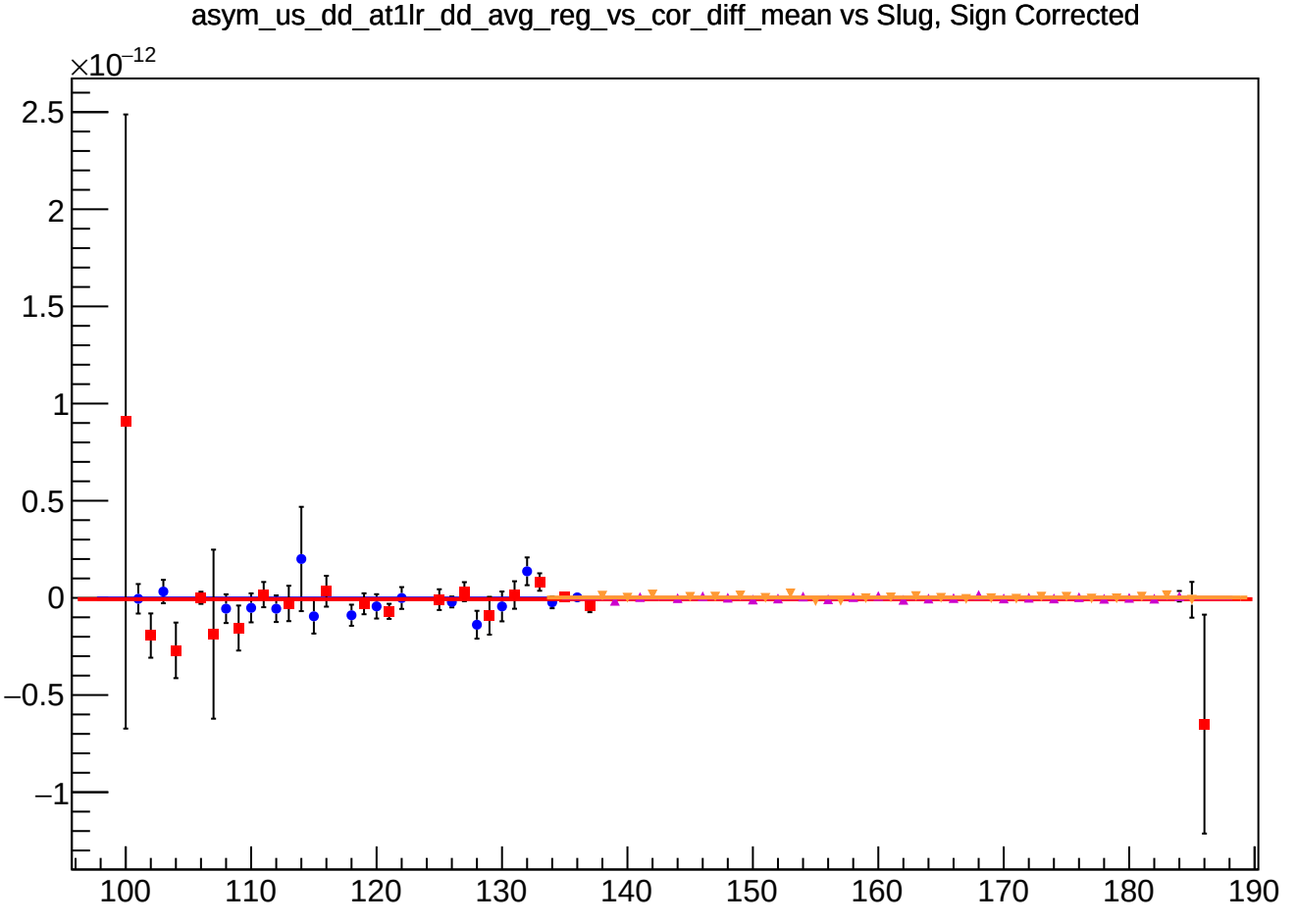
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2435.190+/-0.456 χ^2/NDF: 1319756.9/34

In: 2241.855+/-0.316 χ^2/NDF:765473.2/38

Out: 2253.146+/-0.313 χ^2/NDF:780164.5/42

All: 2247.545+/-0.222 χ^2/NDF: 1546282.2/81



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

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

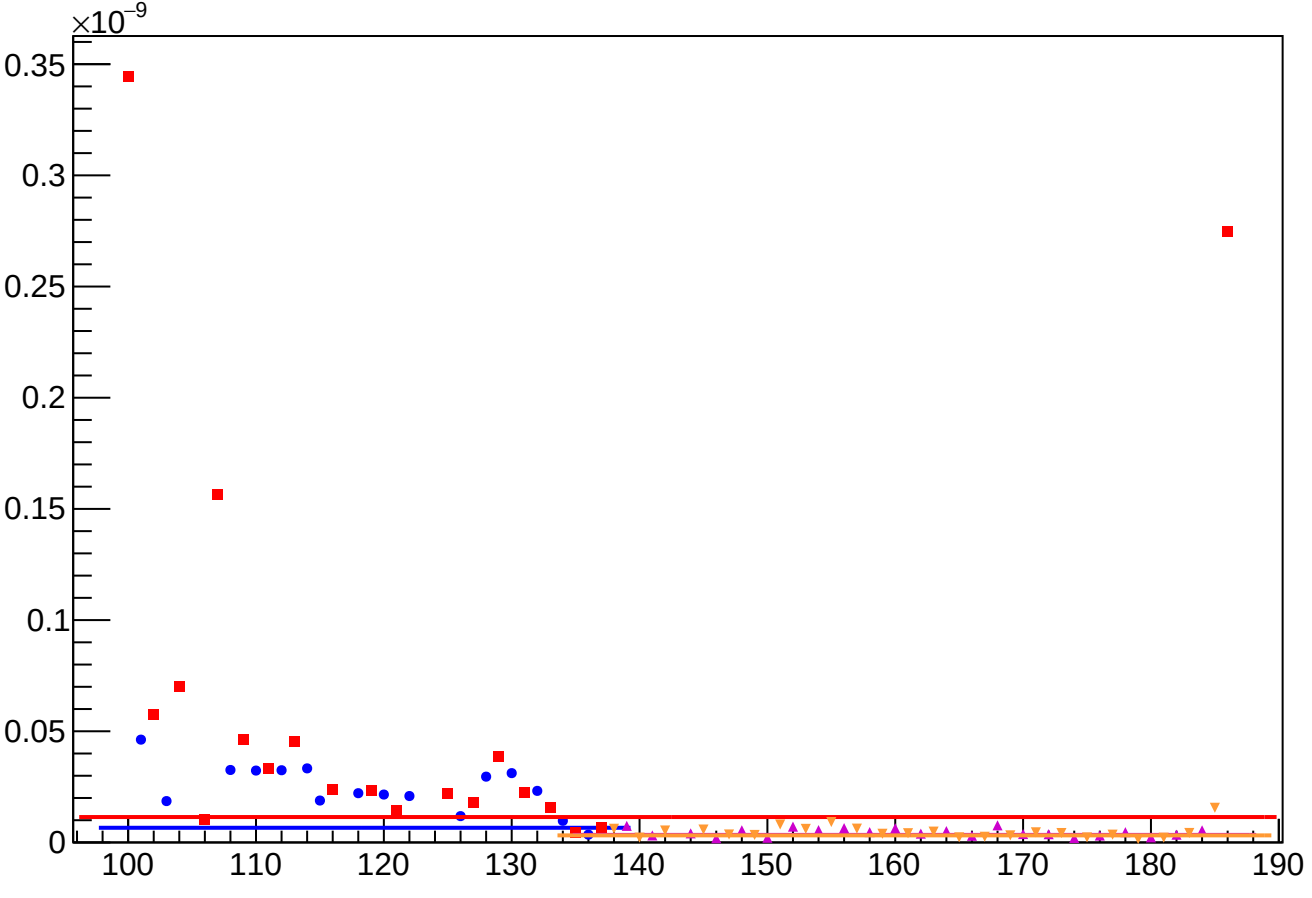
Right: -0.000+/-0.000 χ^2/NDF: 35.8/34

In: -0.000+/-0.000 χ^2/NDF:29.1/38

Out: 0.000+/-0.000 χ^2/NDF:40.4/42

All: 0.000+/-0.000 χ^2/NDF: 70.5/81

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3135358.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

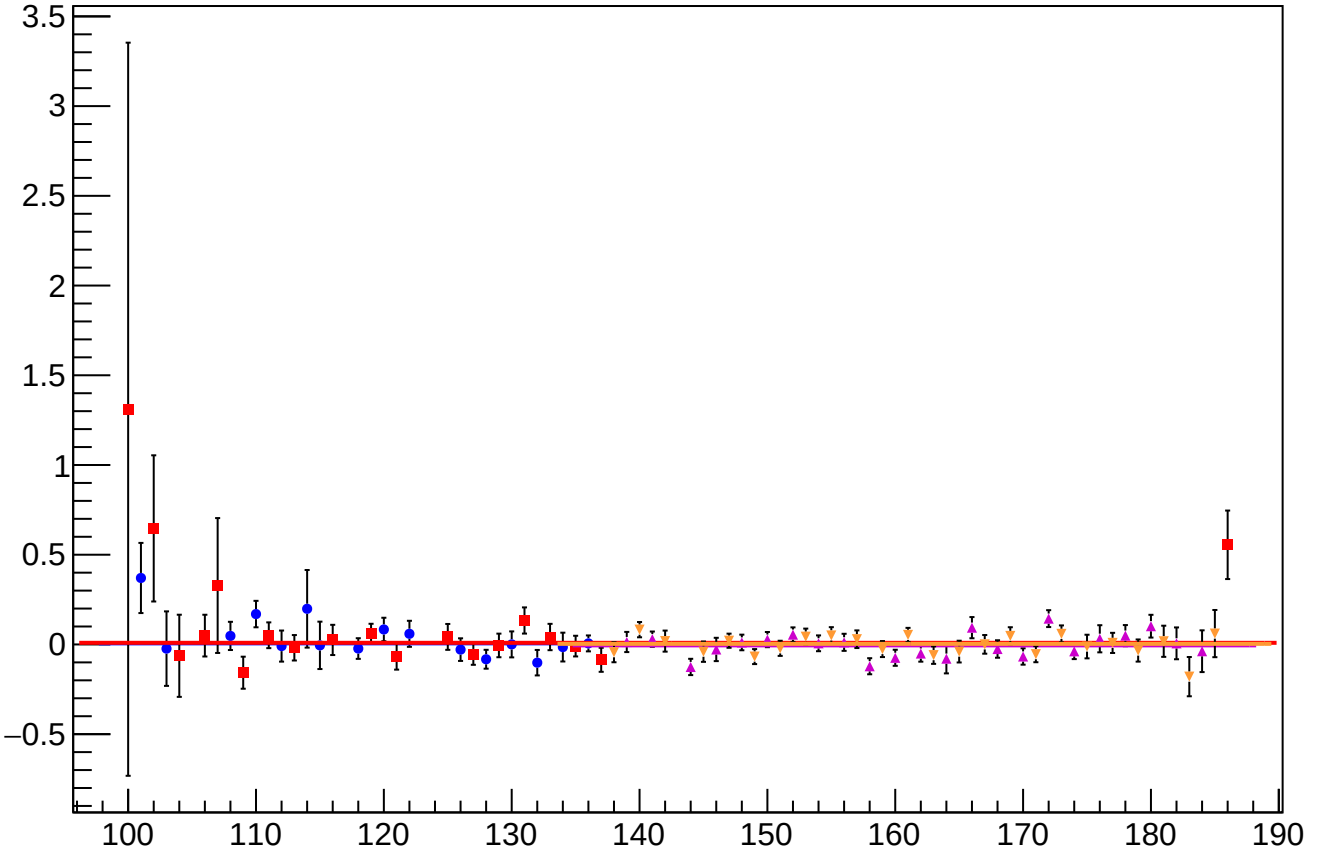
Right: 0.000+/-0.000 χ^2/NDF: 6337575.9/34

In: 0.000+/-0.000 χ^2/NDF:5047432.0/38

Out: 0.000+/-0.000 χ^2/NDF:6595352.4/42

All: 0.000+/-0.000 χ^2/NDF: 11664575.1/81

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-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

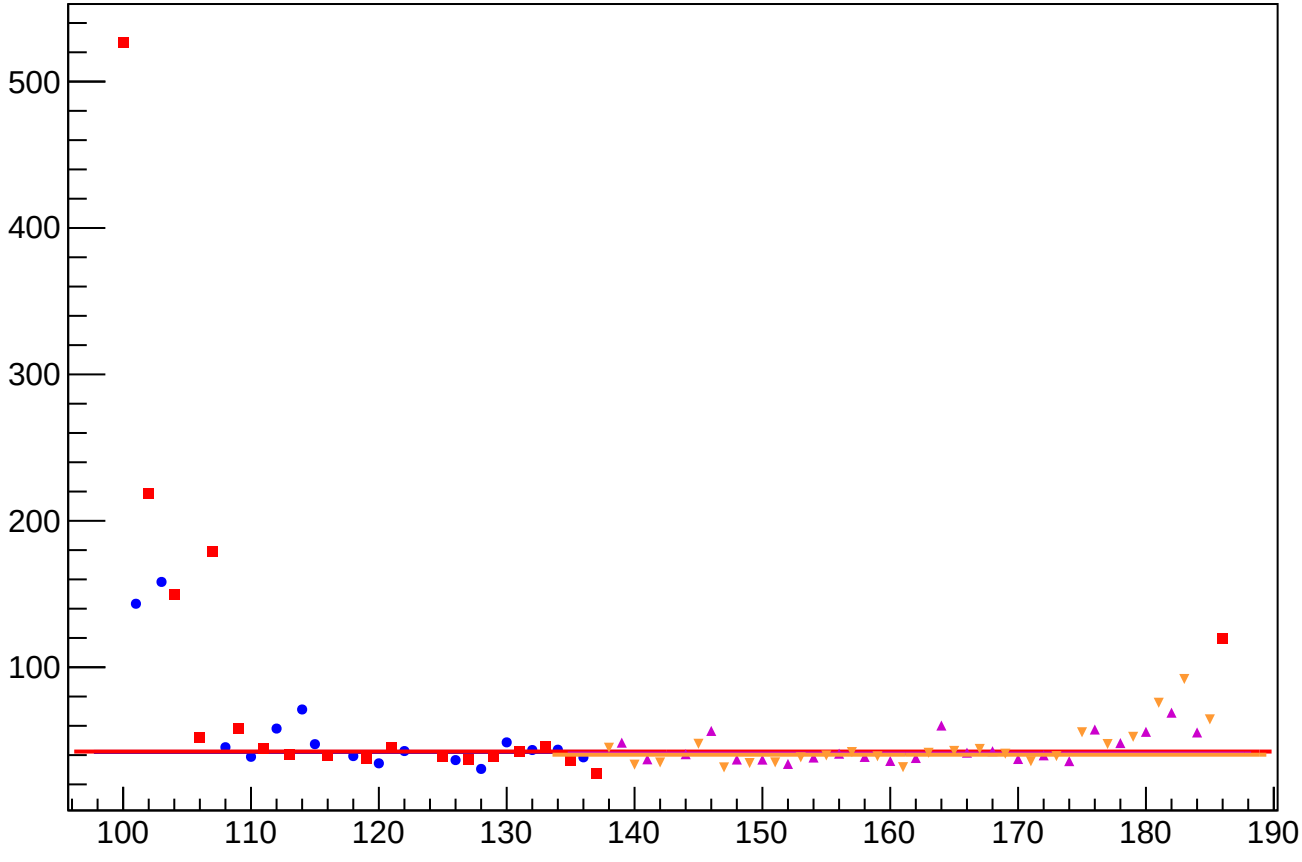
Right: 0.008+/-0.013 χ^2/NDF: 41.8/34

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 105.7/81

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 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

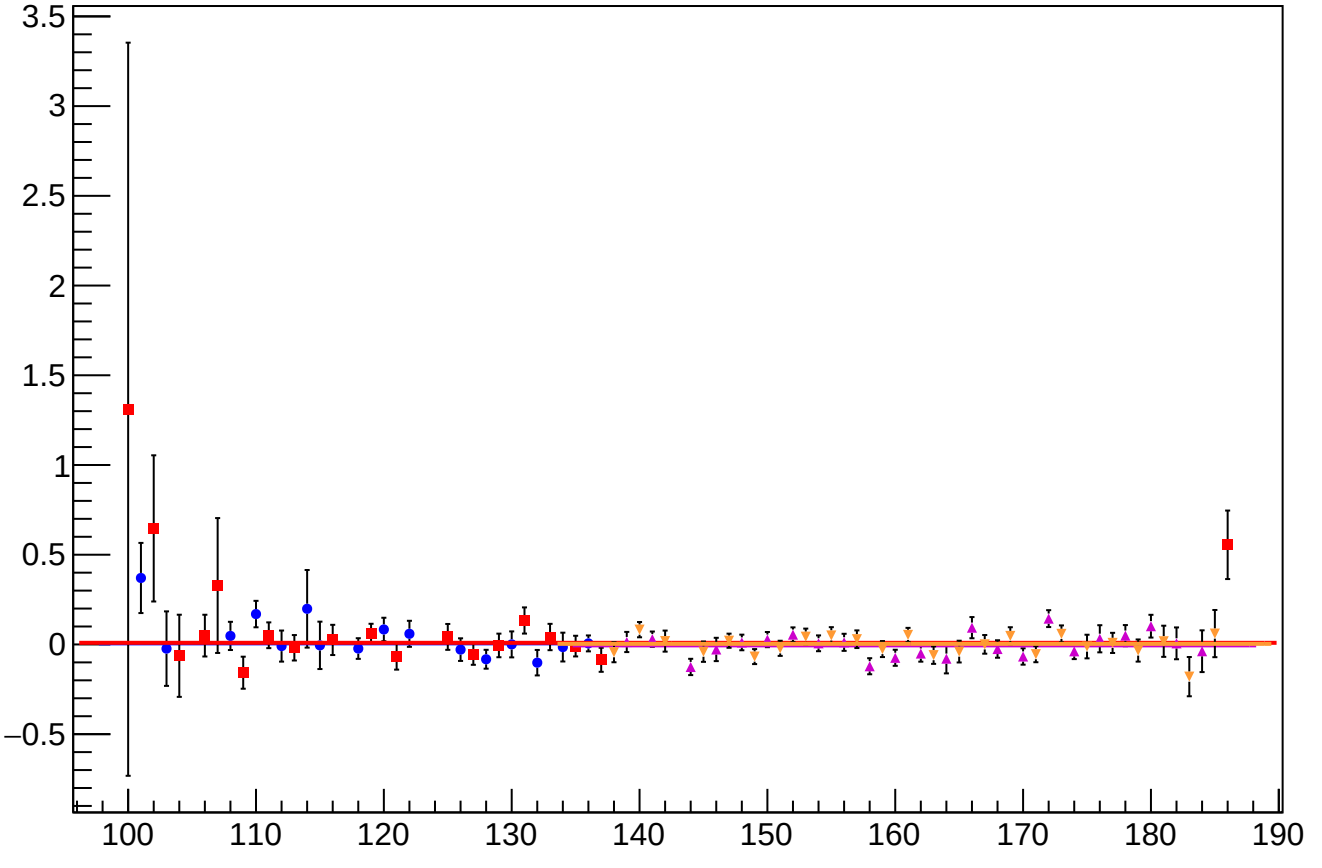
Right: 42.294+/-0.009 χ^2/NDF: 3227485.5/34

In: 41.354+/-0.006 χ^2/NDF:2386495.8/38

Out: 40.791+/-0.006 χ^2/NDF:3282497.3/42

All: 41.069+/-0.005 χ^2/NDF: 5672828.0/81

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-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

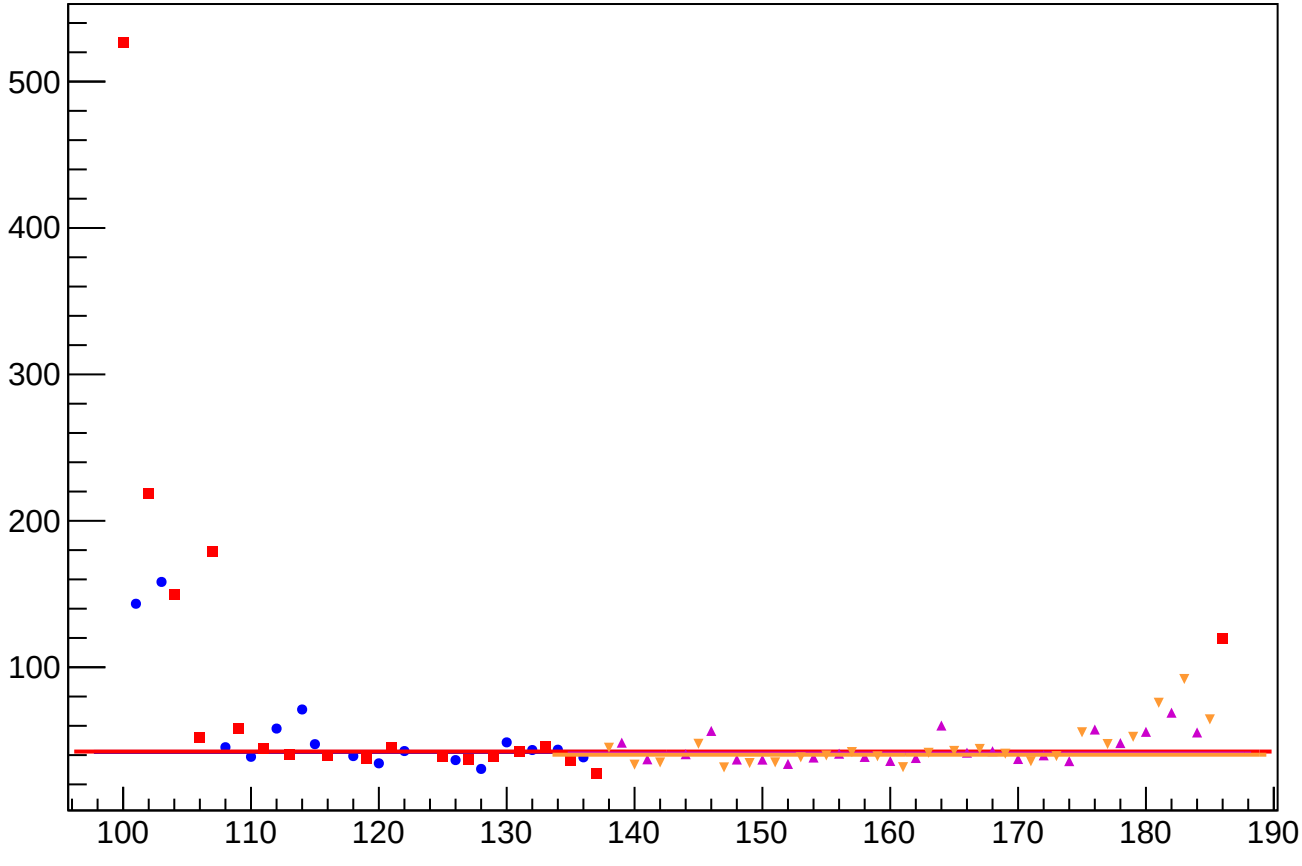
Right: 0.008+/-0.013 χ^2/NDF: 41.8/34

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 105.7/81

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 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

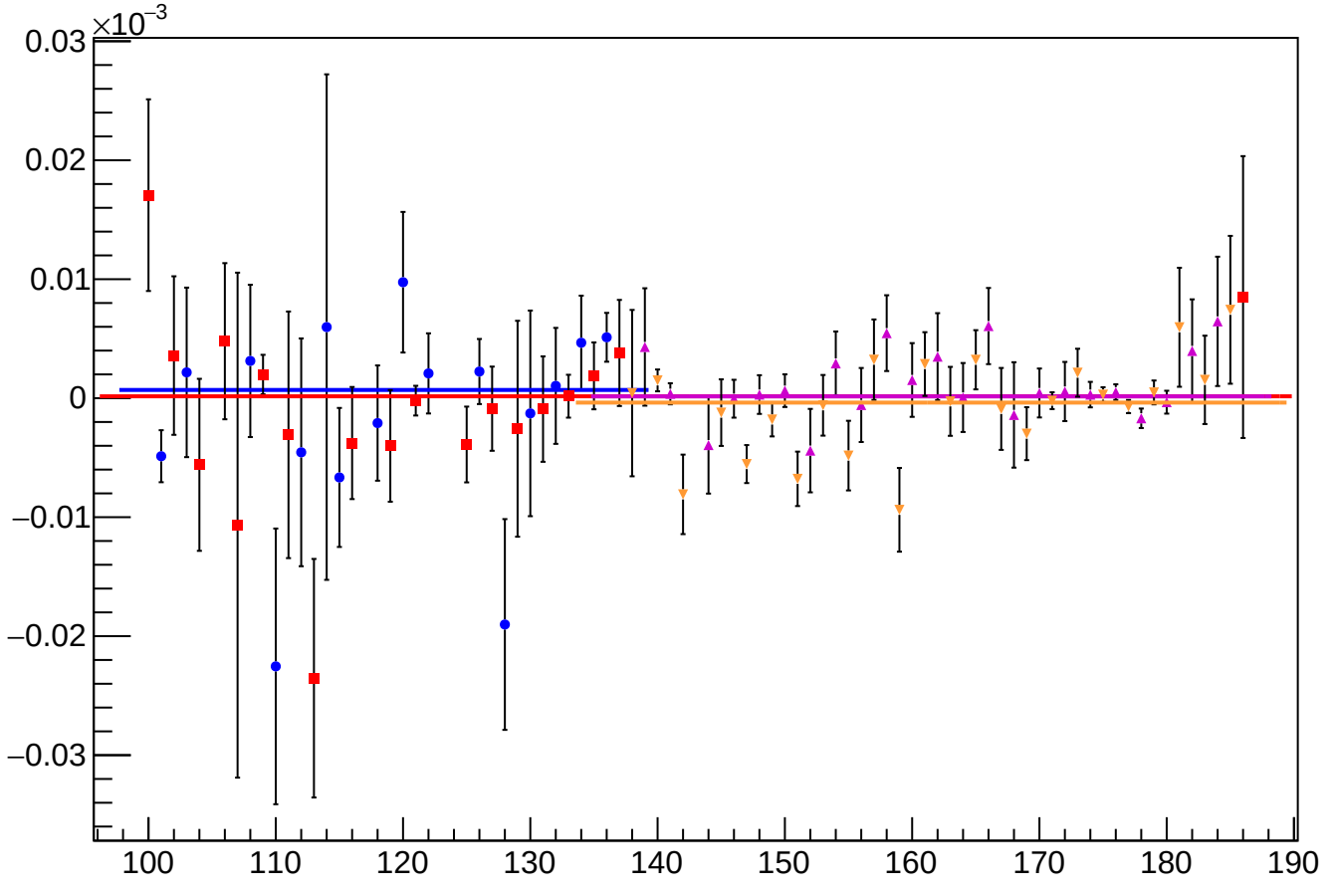
Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

Right: 42.294+/-0.009 χ^2/NDF: 3227485.5/34

In: 41.354+/-0.006 χ^2/NDF:2386495.8/38

Out: 40.791+/-0.006 χ^2/NDF:3282497.3/42

All: 41.069+/-0.005 χ^2/NDF: 5672828.0/81



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

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

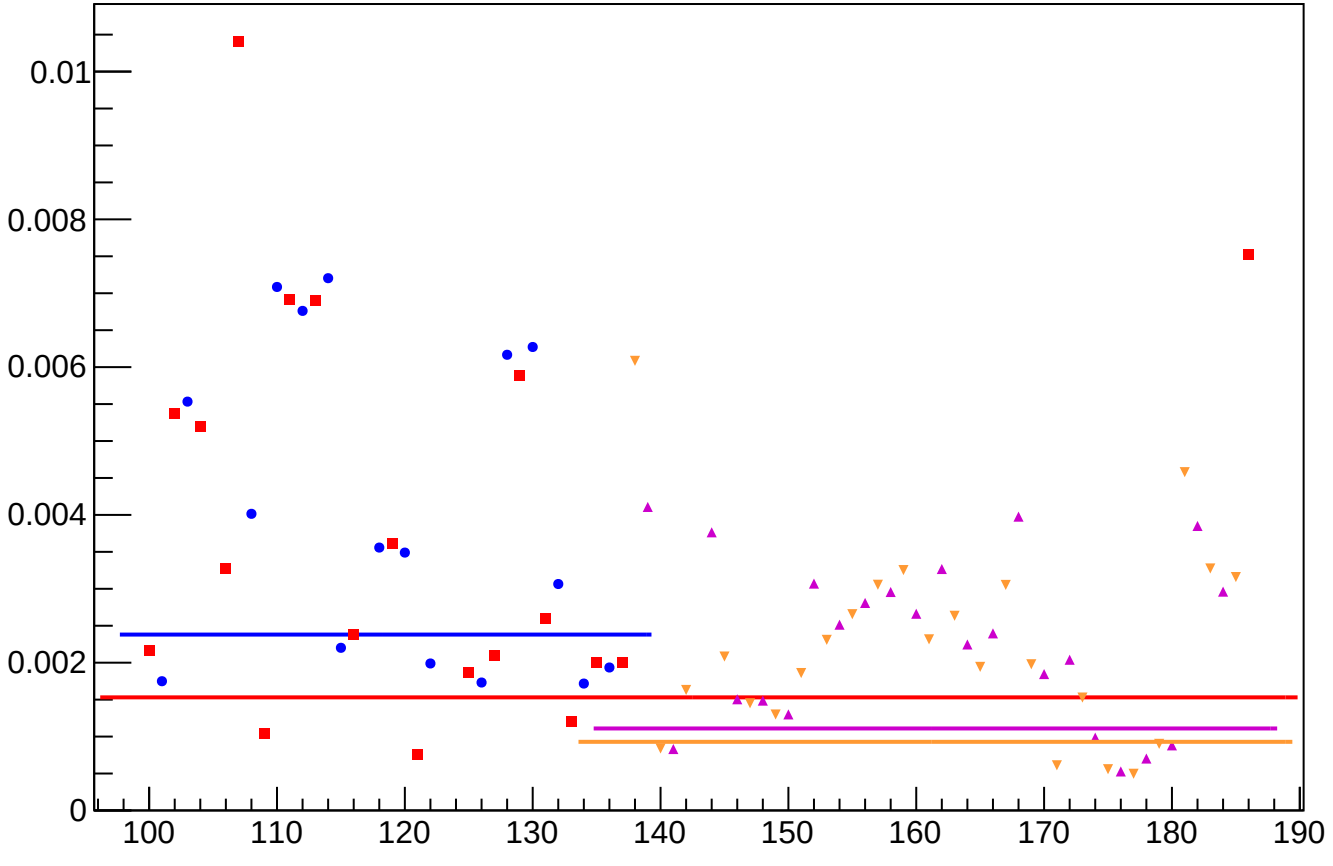
Right: 0.000+/-0.000 χ^2/NDF: 44.6/34

In: 0.000+/-0.000 χ^2/NDF:46.6/38

Out: -0.000+/-0.000 χ^2/NDF:69.6/42

All: -0.000+/-0.000 χ^2/NDF: 117.8/81

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF: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

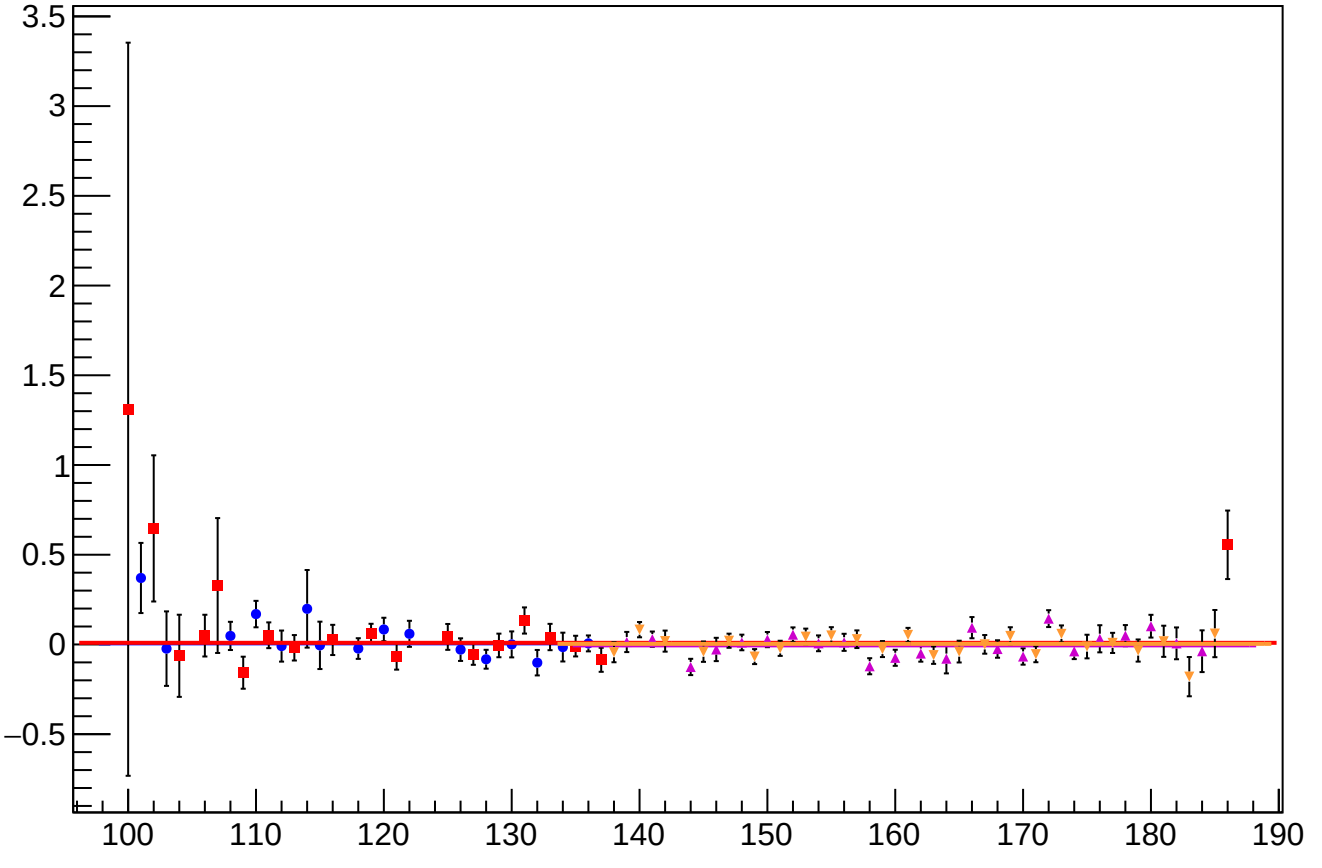
Right: 0.002+/-0.000 χ^2/NDF: 9277347.5/34

In: 0.001+/-0.000 χ^2/NDF:16601995.2/38

Out: 0.001+/-0.000 χ^2/NDF:19299889.0/42

All: 0.001+/-0.000 χ^2/NDF: 36485902.1/81

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-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

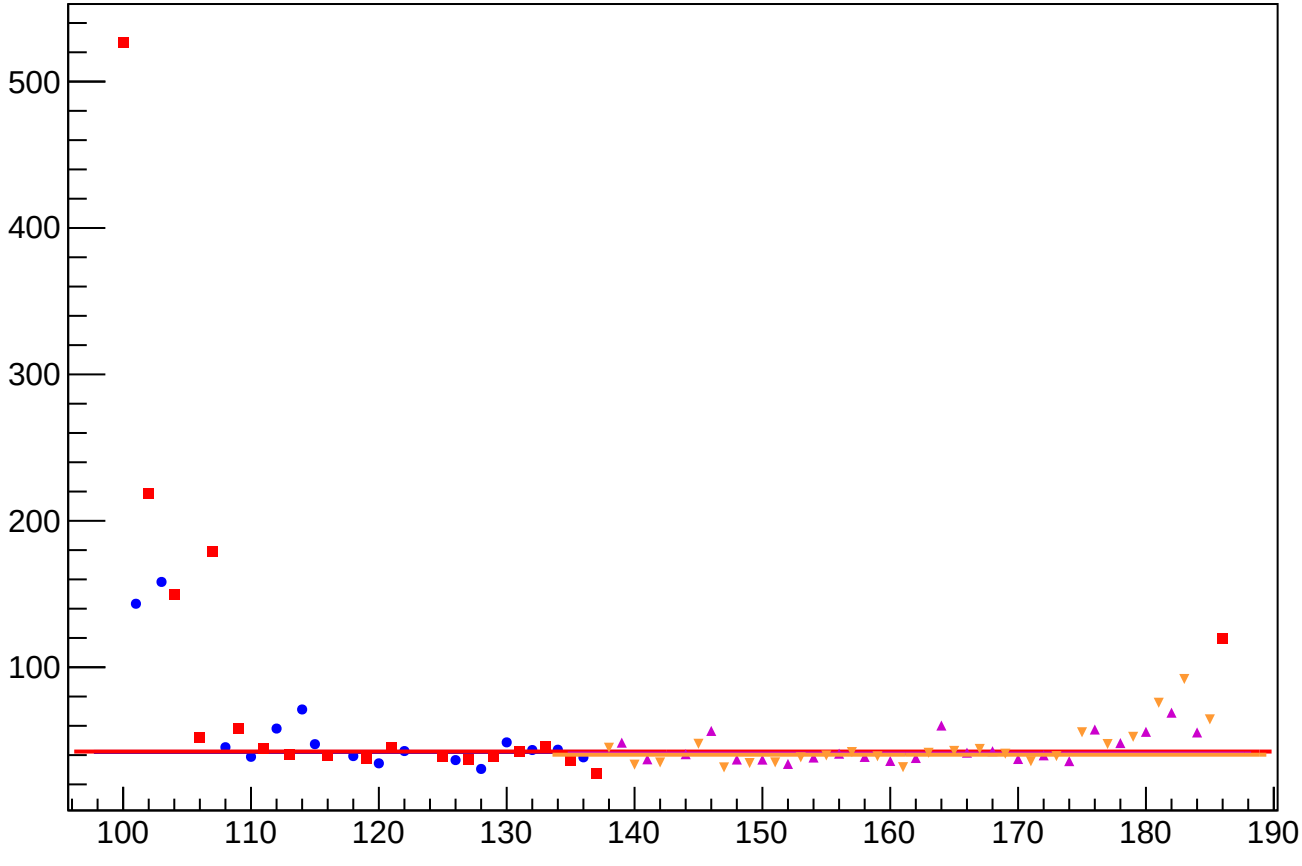
Right: 0.008+/-0.013 χ^2/NDF: 41.8/34

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 105.7/81

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 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

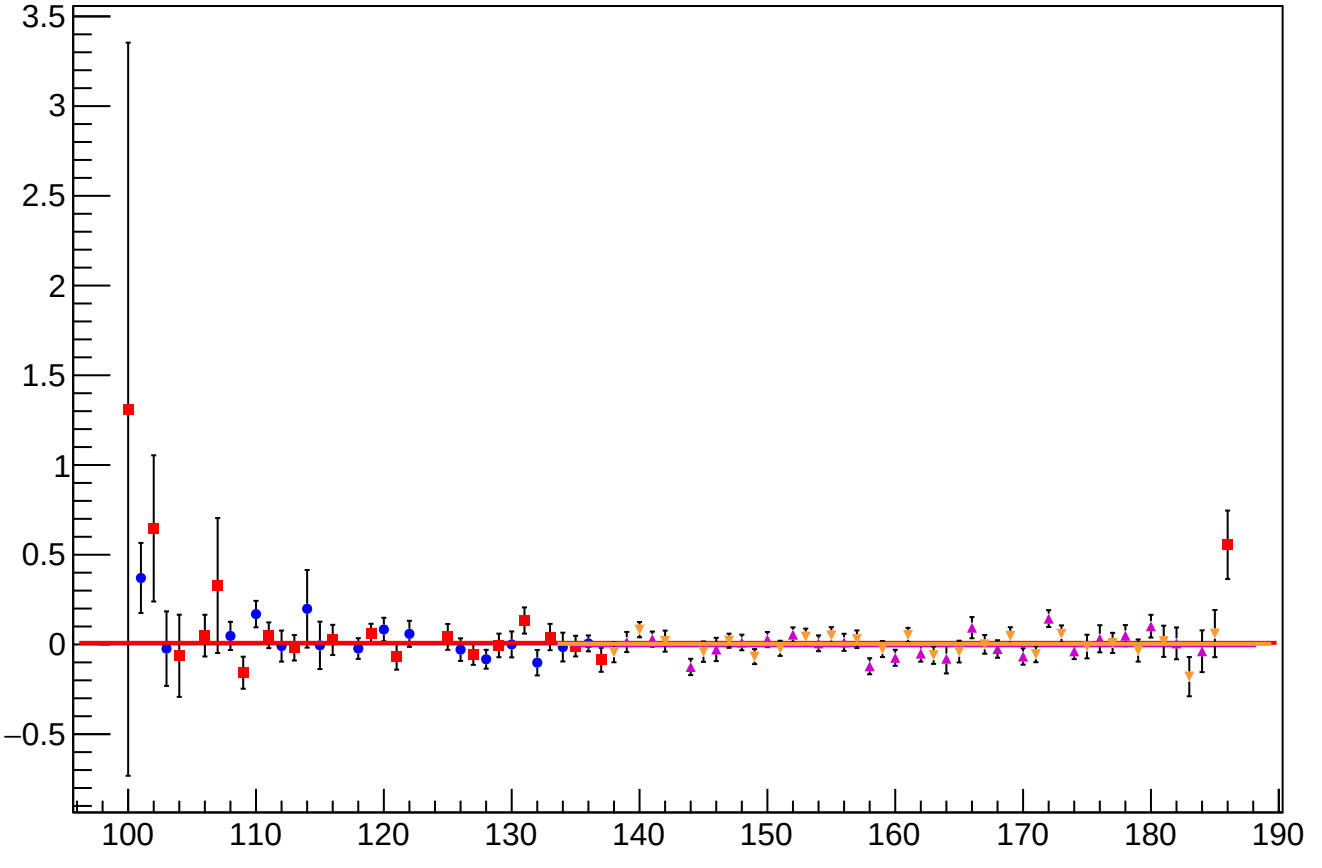
Right: 42.293+/-0.009 χ^2/NDF: 3227692.2/34

In: 41.353+/-0.006 χ^2/NDF:2386725.4/38

Out: 40.791+/-0.006 χ^2/NDF:3282476.1/42

All: 41.069+/-0.005 χ^2/NDF: 5673025.9/81

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.003+/-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

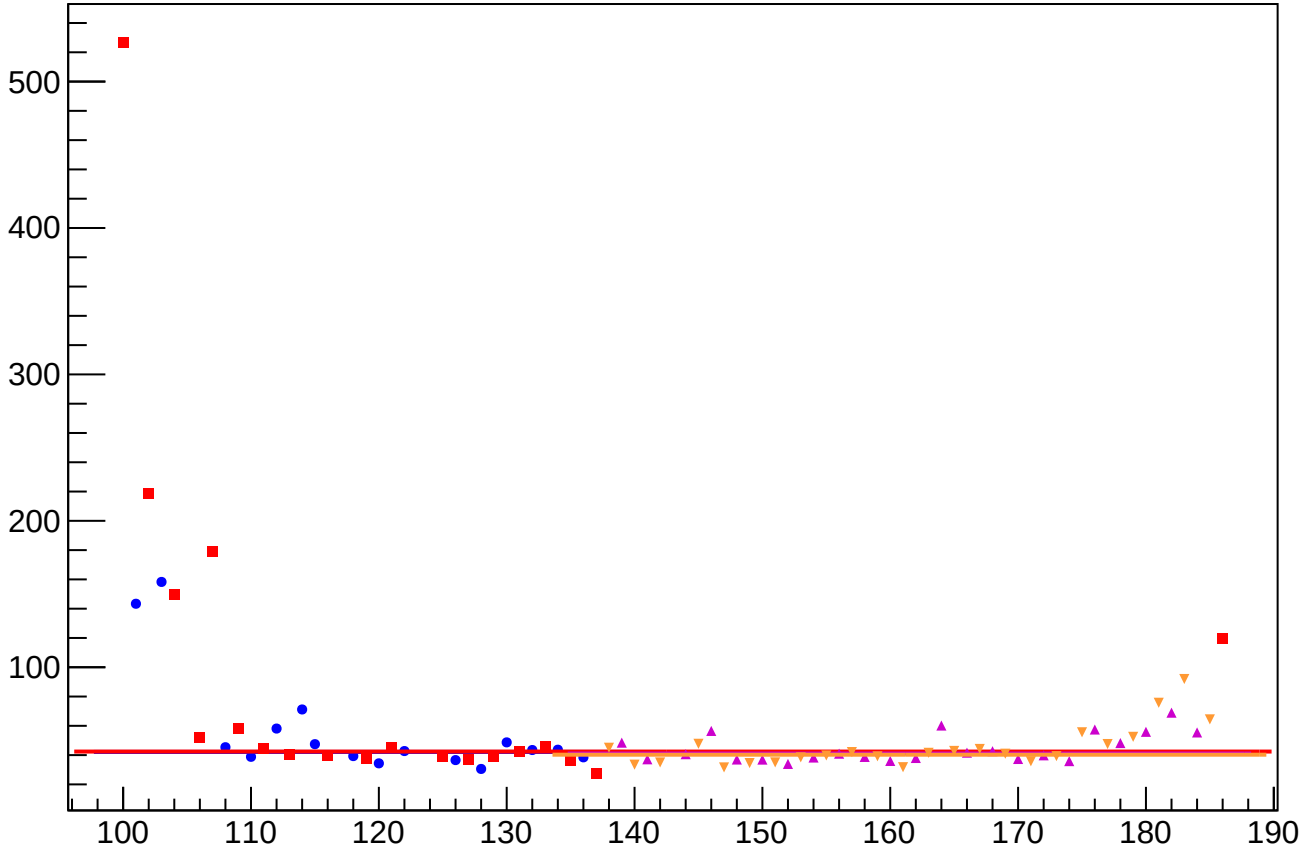
Right: 0.008+/-0.013 χ^2/NDF: 41.8/34

In: -0.002+/-0.009 χ^2/NDF:58.9/38

Out: 0.005+/-0.009 χ^2/NDF:46.5/42

All: 0.001+/-0.006 χ^2/NDF: 105.7/81

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 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

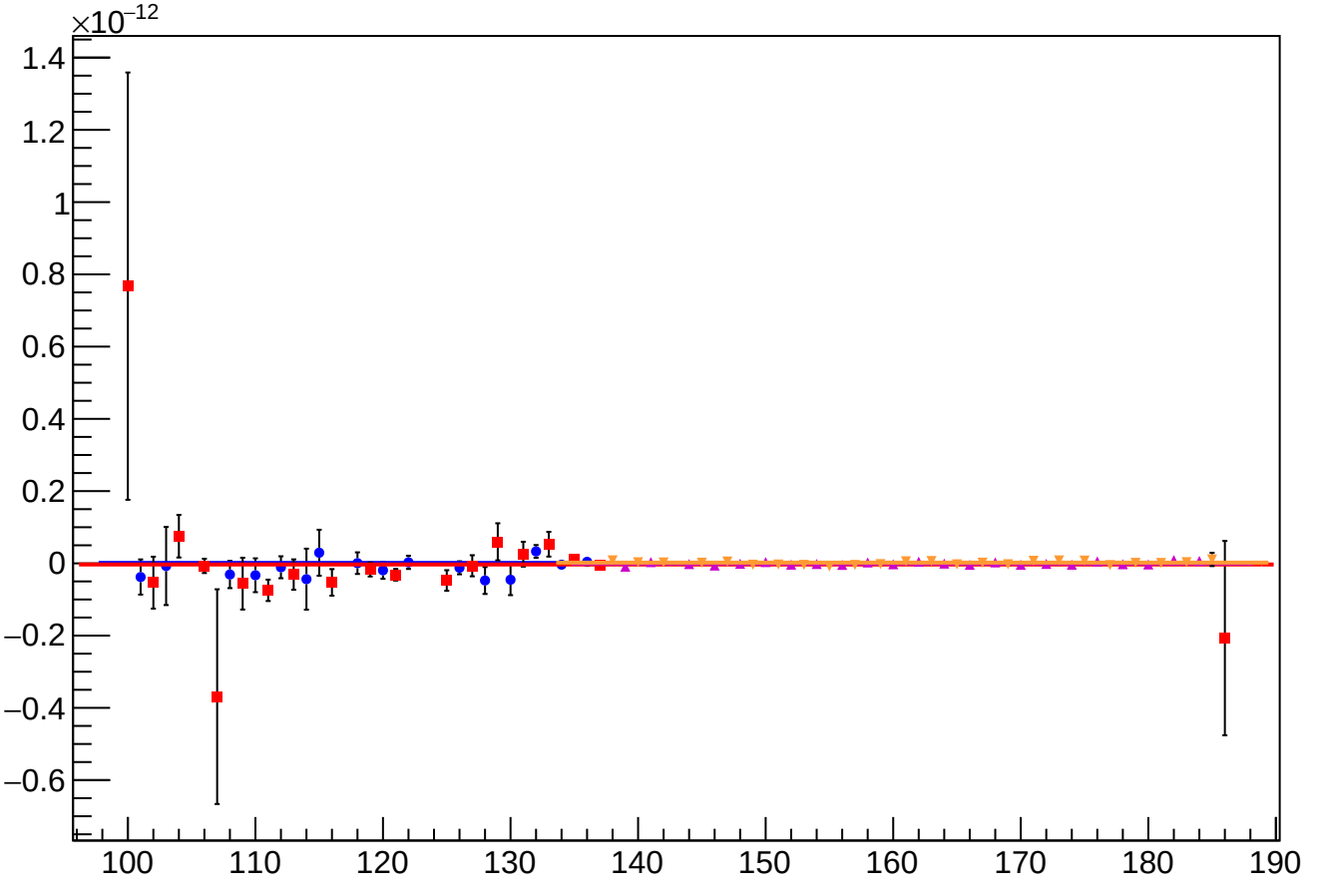
Right: 42.293+/-0.009 χ^2/NDF: 3227692.2/34

In: 41.353+/-0.006 χ^2/NDF:2386725.4/38

Out: 40.791+/-0.006 χ^2/NDF:3282476.1/42

All: 41.069+/-0.005 χ^2/NDF: 5673025.9/81

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

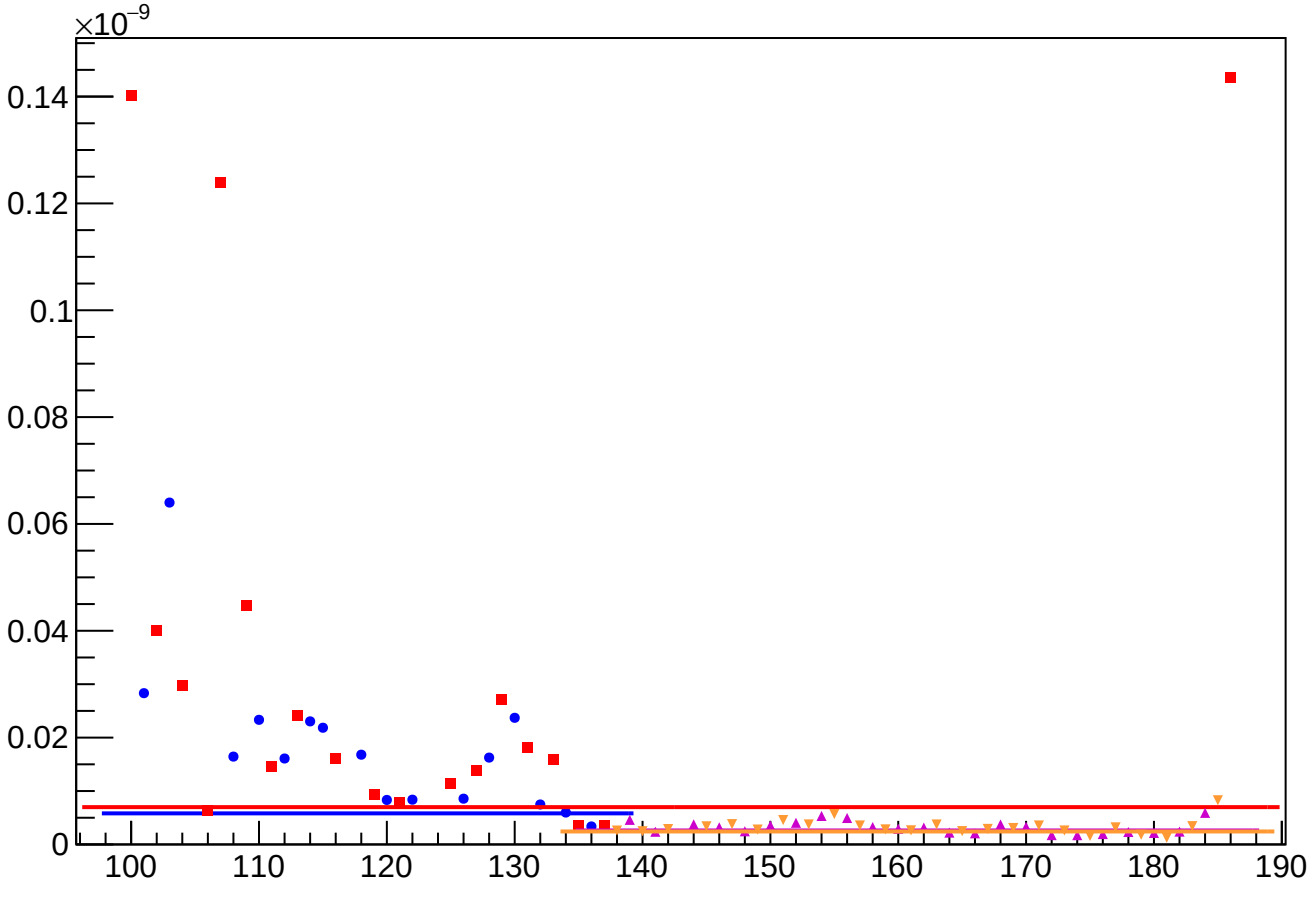
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:33.8/38

Out: 0.000+/-0.000 χ^2/NDF:55.7/42

All: 0.000+/-0.000 χ^2/NDF: 92.8/81

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4306430.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

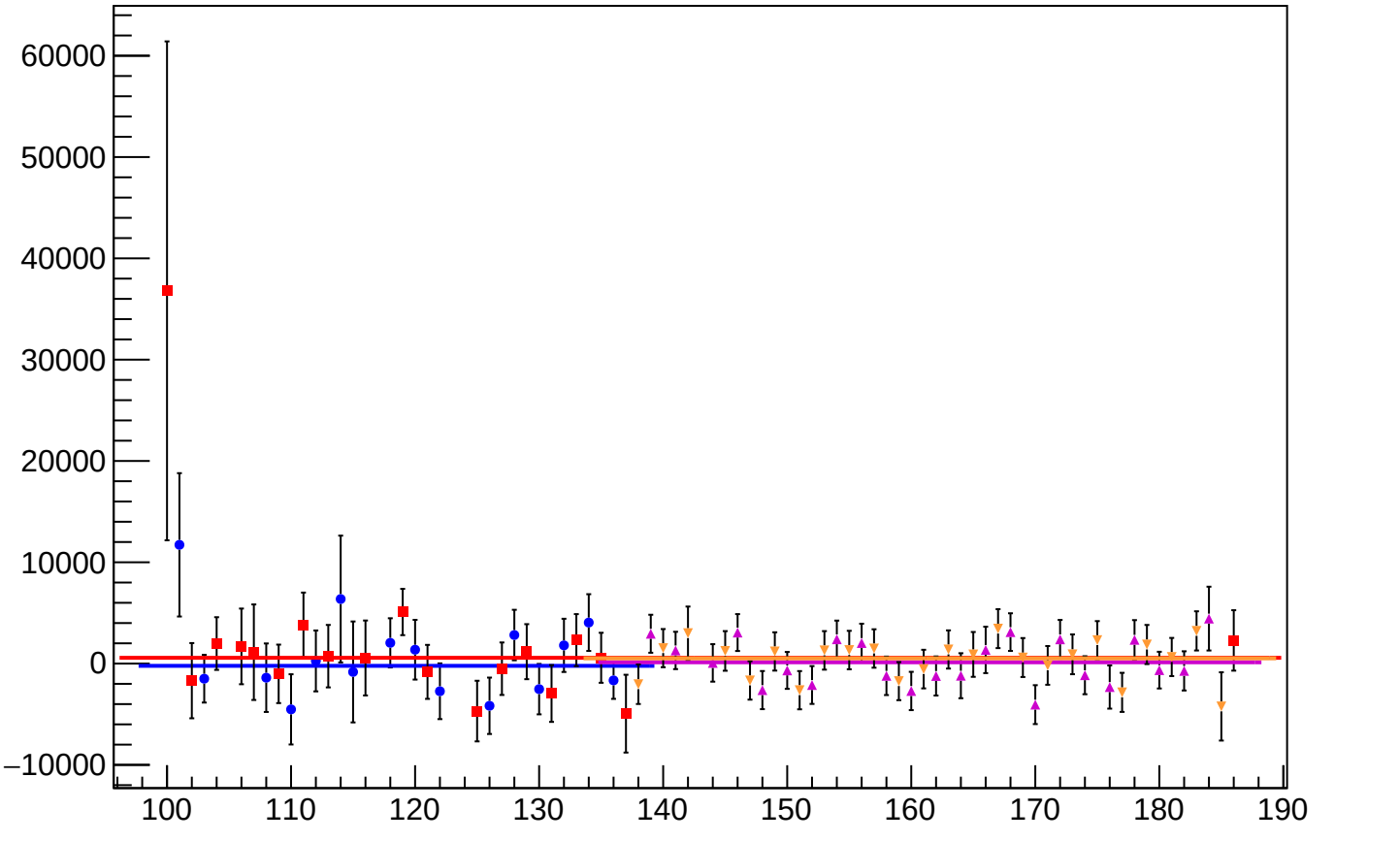
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

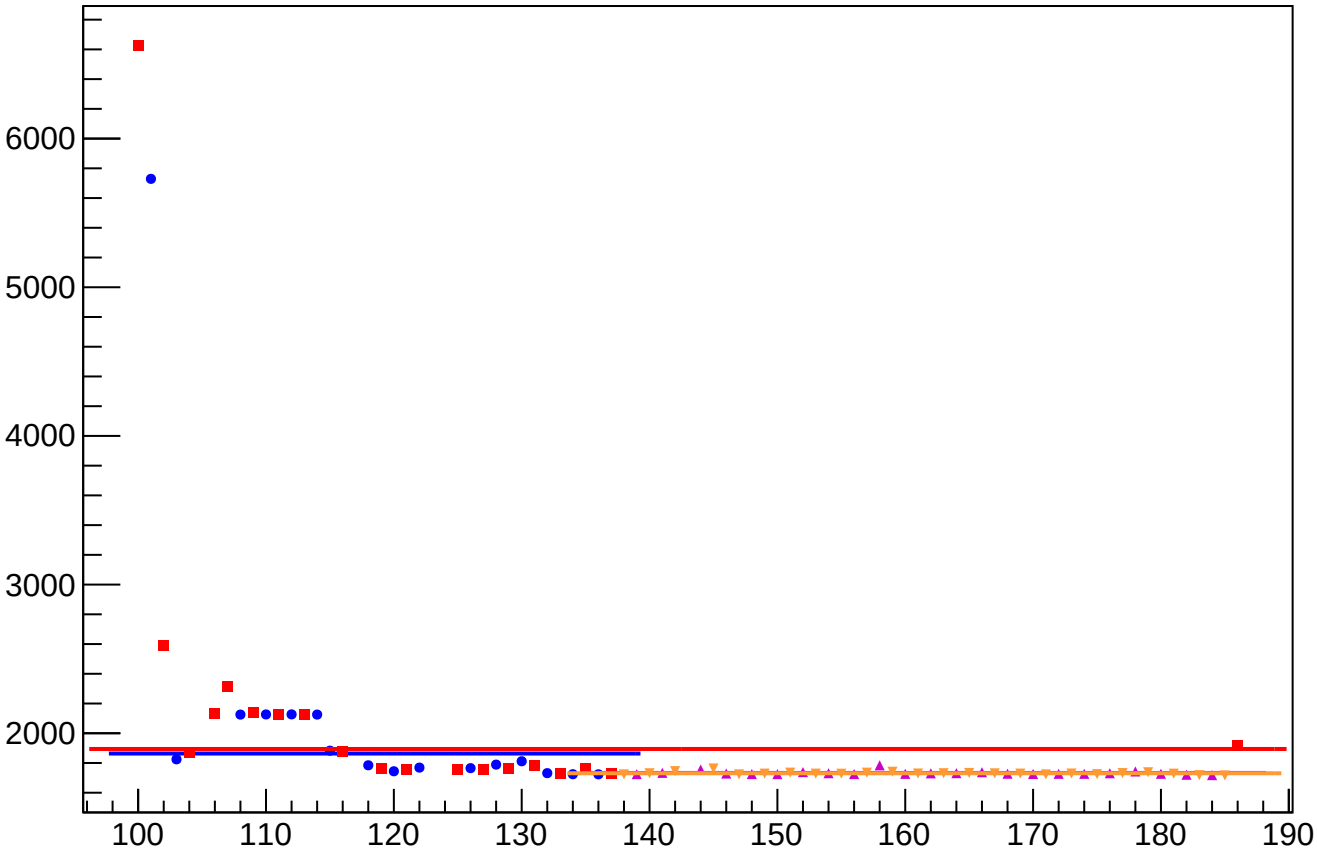
Right: 0.000+/-0.000 χ^2/NDF: 7674370.4/34

In: 0.000+/-0.000 χ^2/NDF:6517109.7/38

Out: 0.000+/-0.000 χ^2/NDF:8893873.1/42

All: 0.000+/-0.000 χ^2/NDF: 15474071.5/81


reg_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: -222.980+/-709.150 χ²/NDF: 15.8/15
Left Out: 519.929+/-401.705 χ²/NDF:20.8/23
Right Out: 569.974+/-692.065 χ²/NDF: 16.2/18
Left In: 126.031+/-404.630 χ²/NDF:29.5/22
Left: 324.409+/-285.077 χ²/NDF: 50.7/46
Right: 183.164+/-495.294 χ²/NDF: 32.7/34
In: 40.312+/-351.445 χ²/NDF:45.5/38
Out: 532.541+/-347.420 χ²/NDF:37.0/42
All: 289.261+/-247.074 χ²/NDF: 83.5/81



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

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

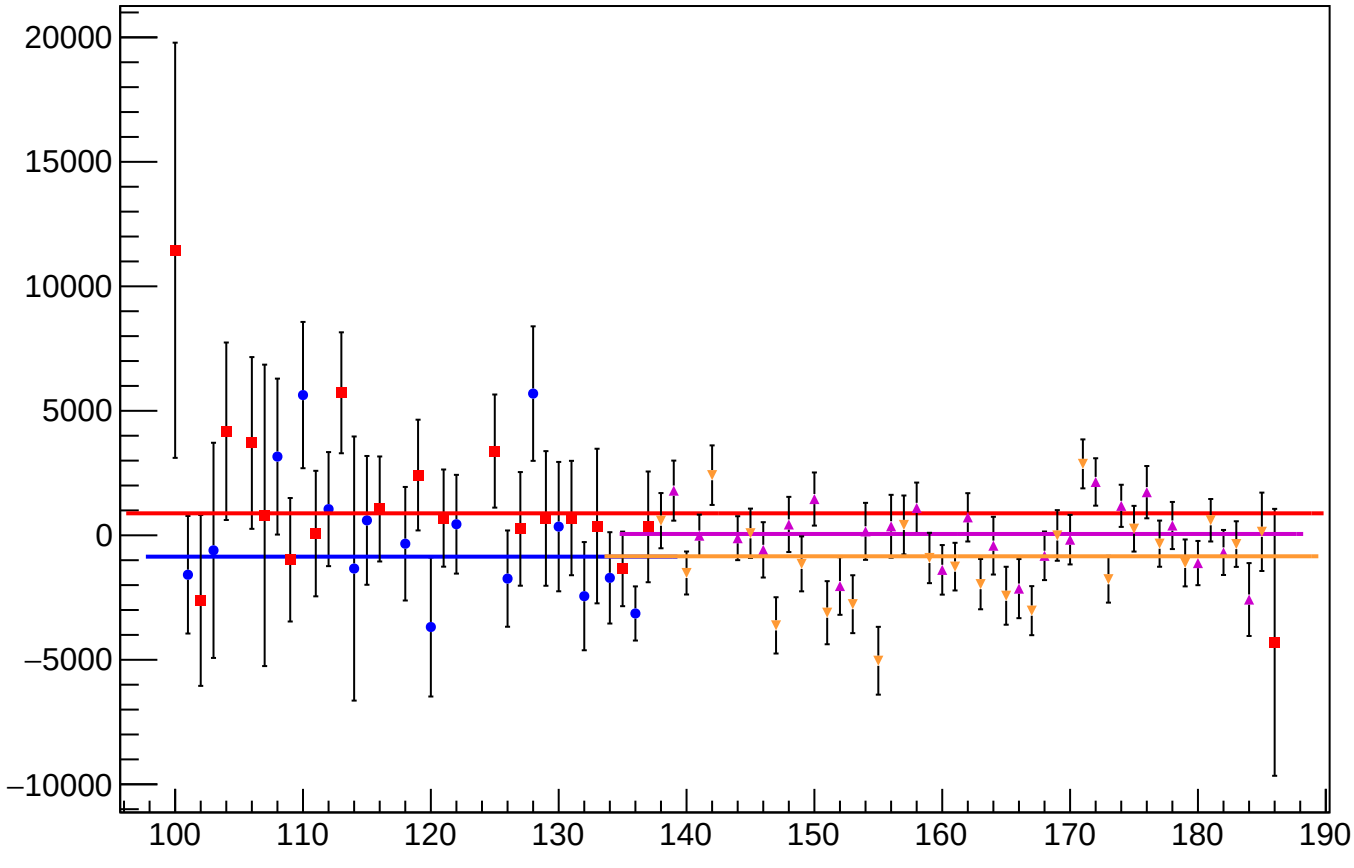
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1879.302+/-0.350 χ^2/NDF: 928243.5/34

In: 1765.077+/-0.249 χ^2/NDF:728054.9/38

Out: 1772.033+/-0.246 χ^2/NDF:336052.1/42

All: 1768.595+/-0.175 χ^2/NDF: 1064503.3/81



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

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

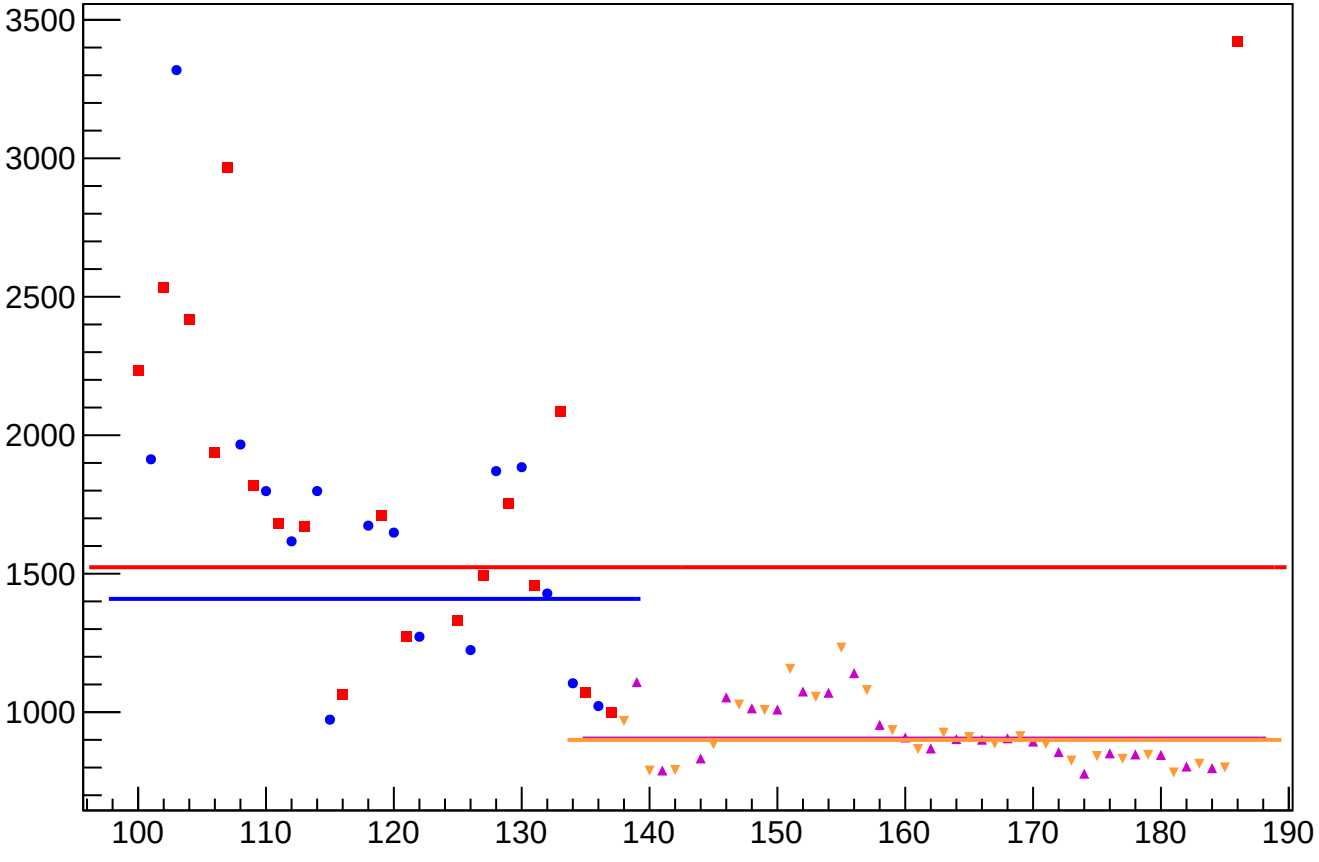
Right: -34.337+/-399.187 χ^2/NDF: 39.2/34

In: -64.979+/-198.588 χ^2/NDF:53.6/38

Out: -641.322+/-198.185 χ^2/NDF:84.3/42

All: -353.736+/-140.280 χ^2/NDF: 142.2/81

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 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

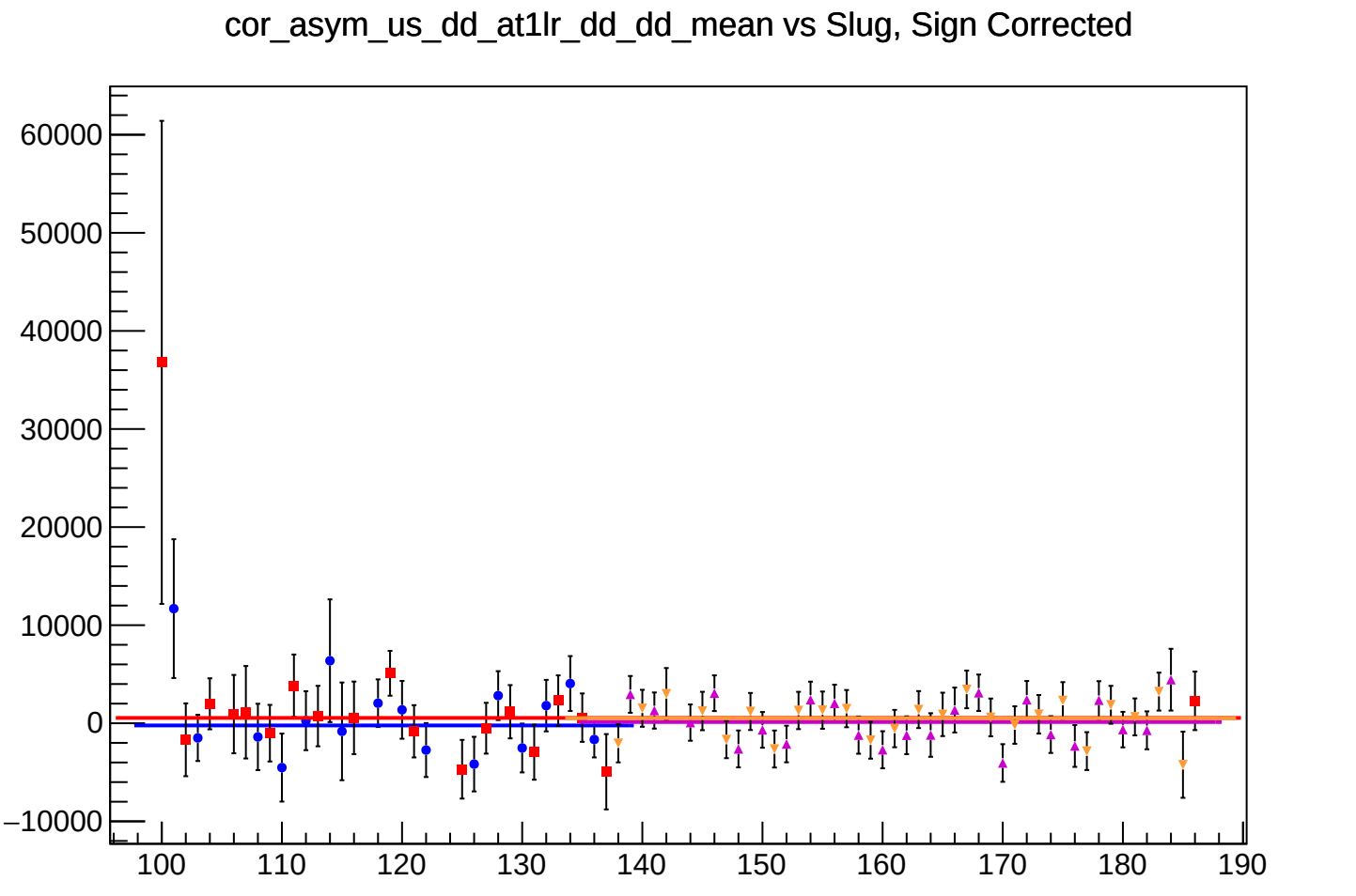
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

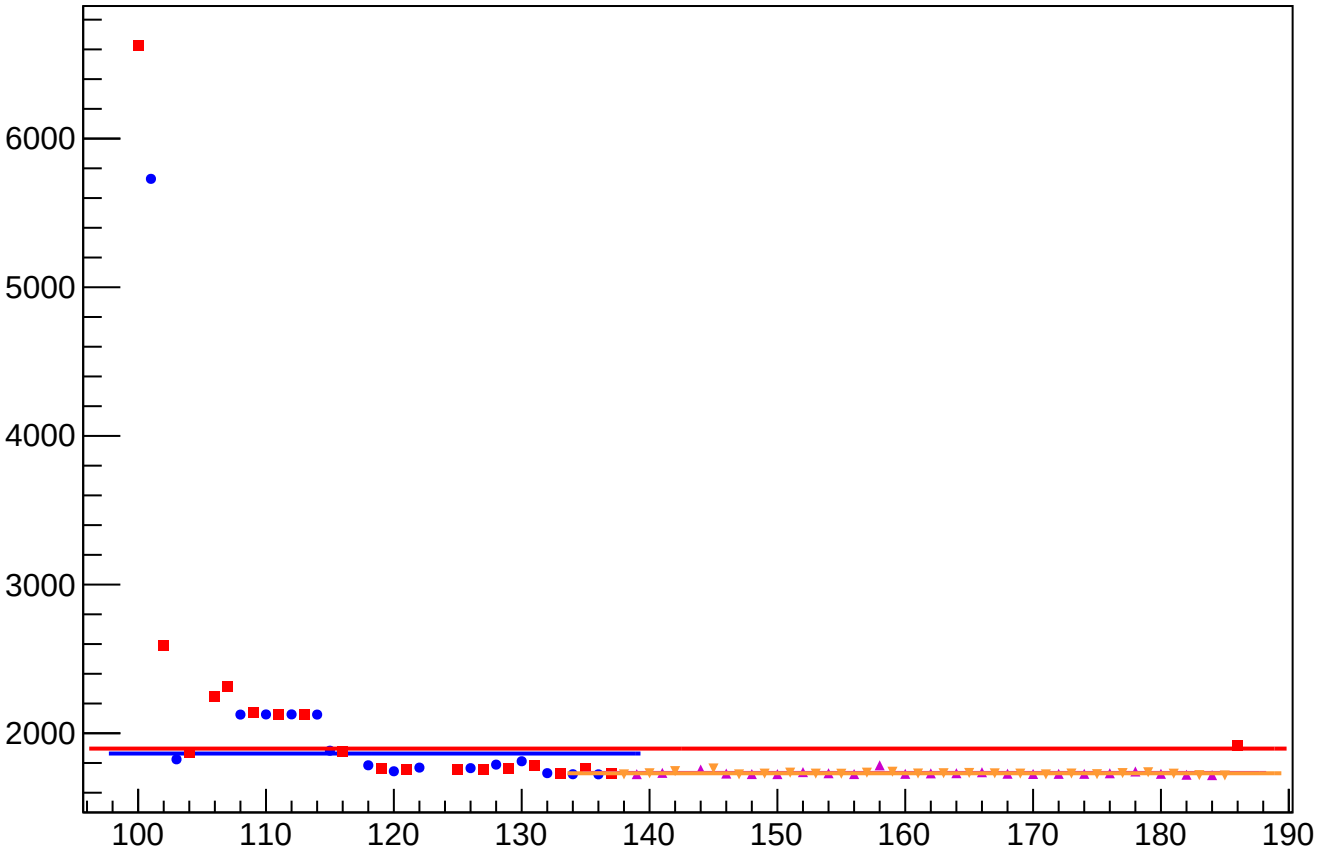
Right: 1463.105+/-0.282 χ^2/NDF: 2492924.1/34

In: 970.470+/-0.140 χ^2/NDF:3083946.9/38

Out: 972.478+/-0.140 χ^2/NDF:3817940.4/42

All: 971.476+/-0.099 χ^2/NDF: 6901989.7/81


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: -223.754+/-709.151 χ²/NDF: 15.8/15
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: 167.941+/-495.841 χ²/NDF: 32.5/34
In: 40.168+/-351.445 χ²/NDF:45.5/38
Out: 525.645+/-347.609 χ²/NDF:36.9/42
All: 285.570+/-247.142 χ²/NDF: 83.3/81



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

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

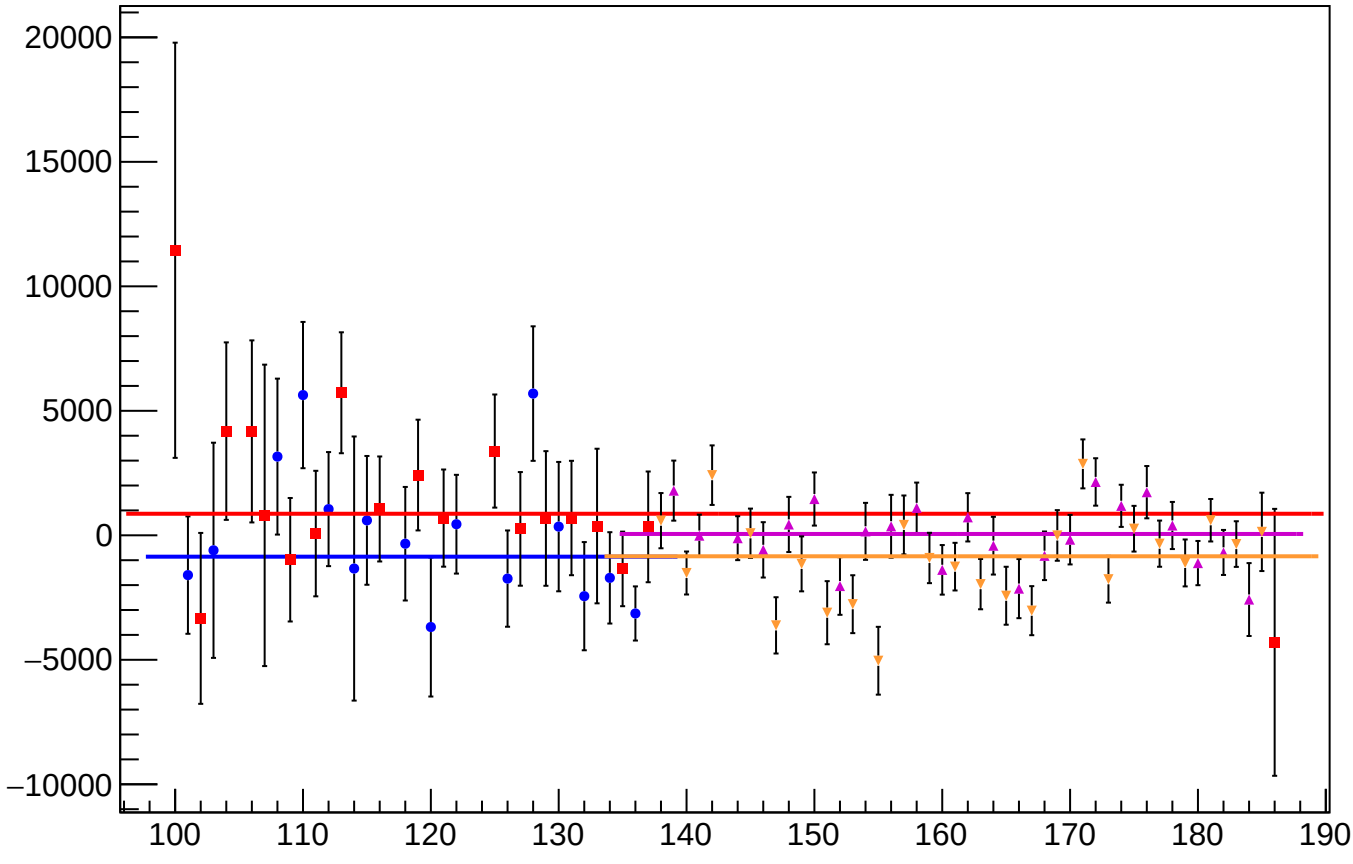
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1880.542+/-0.351 χ^2/NDF: 936193.6/34

In: 1765.077+/-0.249 χ^2/NDF:728054.7/38

Out: 1772.525+/-0.246 χ^2/NDF:345967.4/42

All: 1768.842+/-0.175 χ^2/NDF: 1074476.2/81



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

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

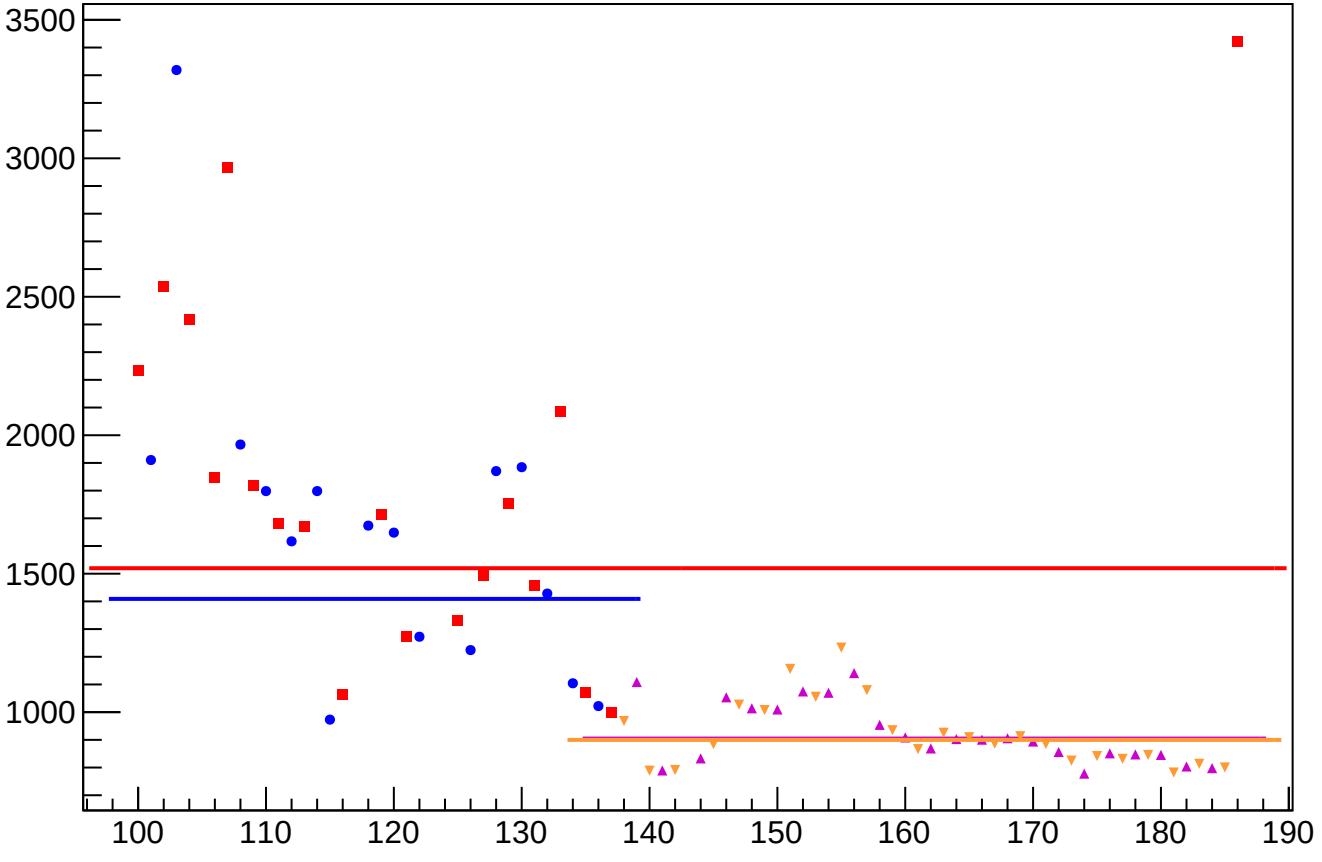
Right: -44.453+/-399.463 χ^2/NDF: 39.7/34

In: -65.082+/-198.585 χ^2/NDF:53.6/38

Out: -643.940+/-198.221 χ^2/NDF:84.8/42

All: -355.042+/-140.292 χ^2/NDF: 142.7/81

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

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

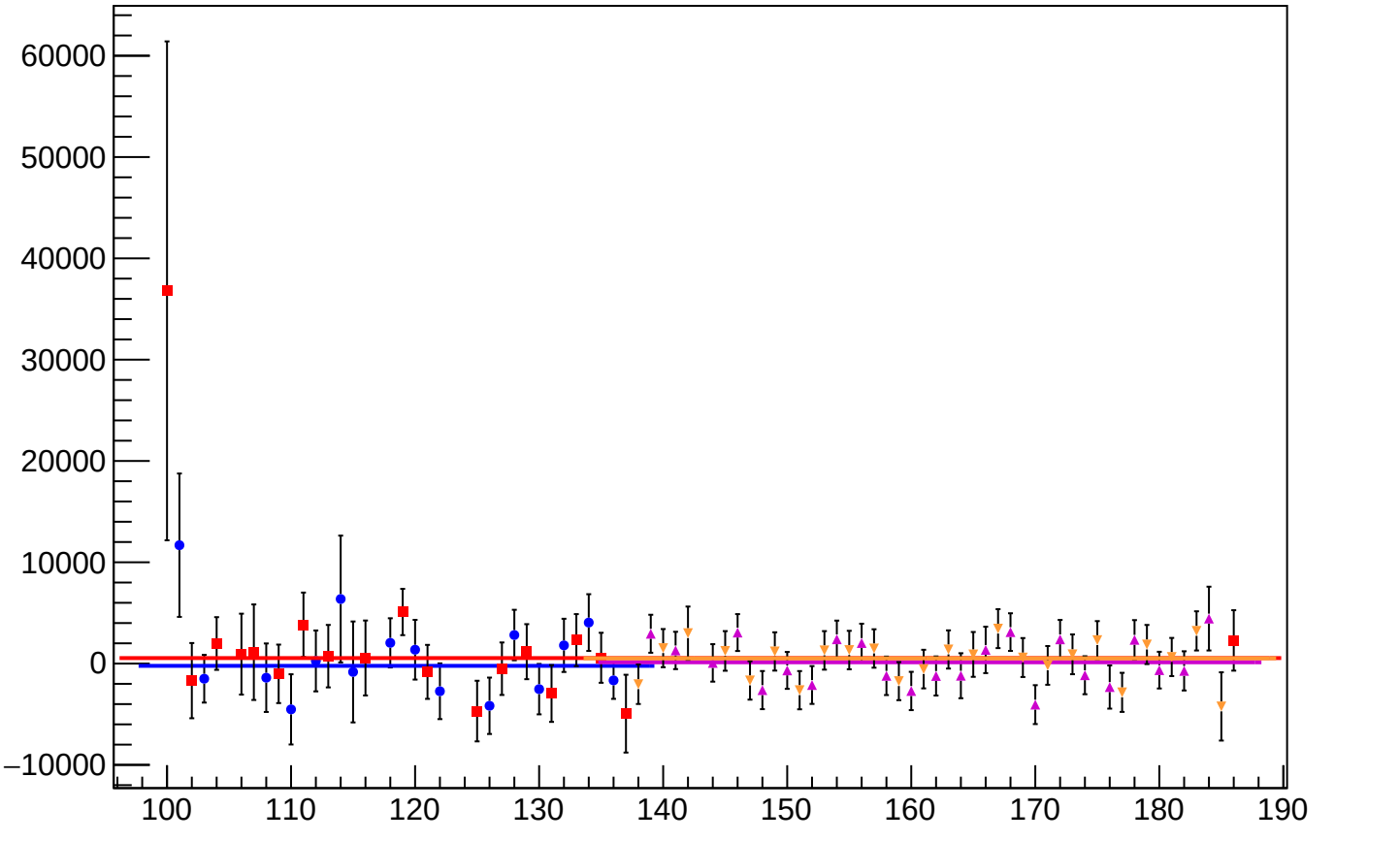
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1461.300+/-0.282 χ^2/NDF: 2478095.5/34

In: 970.466+/-0.140 χ^2/NDF:3083081.7/38

Out: 971.870+/-0.140 χ^2/NDF:3777578.8/42

All: 971.169+/-0.099 χ^2/NDF: 6860710.5/81



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 542.601+/-693.559 χ^2/NDF: 16.1/18

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

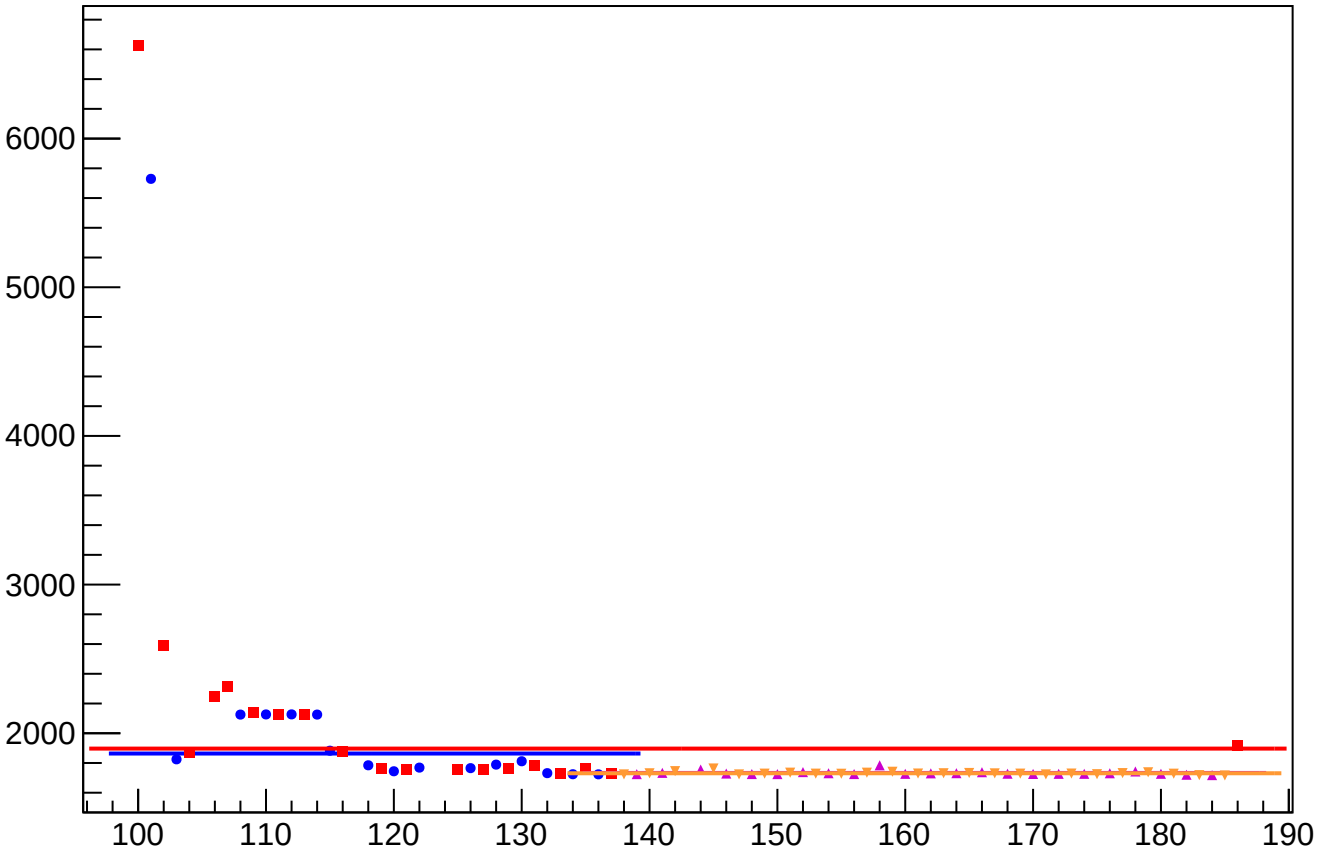
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 167.941+/-495.841 χ^2/NDF: 32.5/34

In: 40.168+/-351.445 χ^2/NDF:45.5/38

Out: 525.645+/-347.609 χ^2/NDF:36.9/42

All: 285.570+/-247.142 χ^2/NDF: 83.3/81



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

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

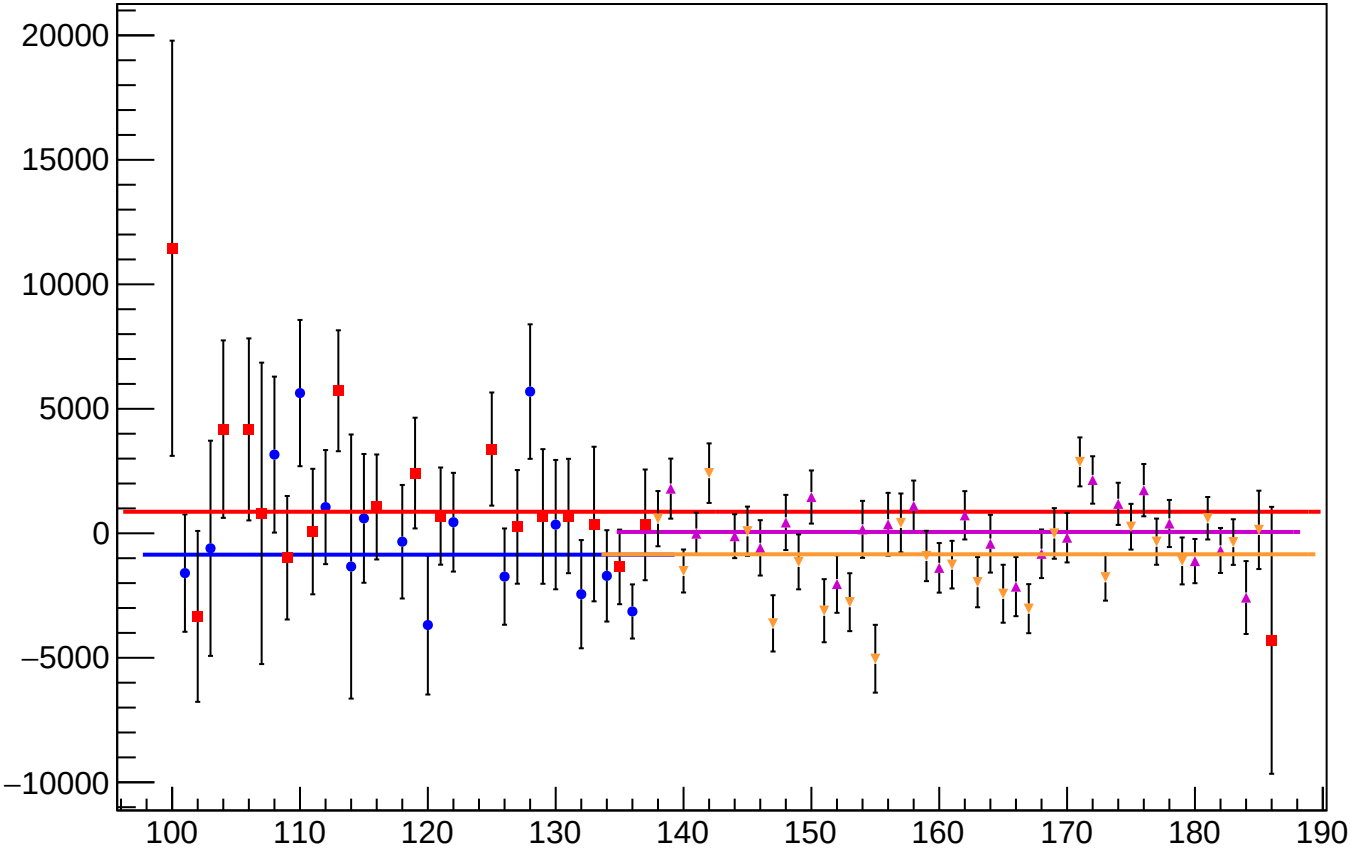
Right: 1880.542+/-0.351 χ^2/NDF: 936193.6/34

In: 1765.077+/-0.249 χ^2/NDF:728054.7/38

Out: 1772.525+/-0.246 χ^2/NDF:345967.4/42

All: 1768.842+/-0.175 χ^2/NDF: 1074476.2/81

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -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

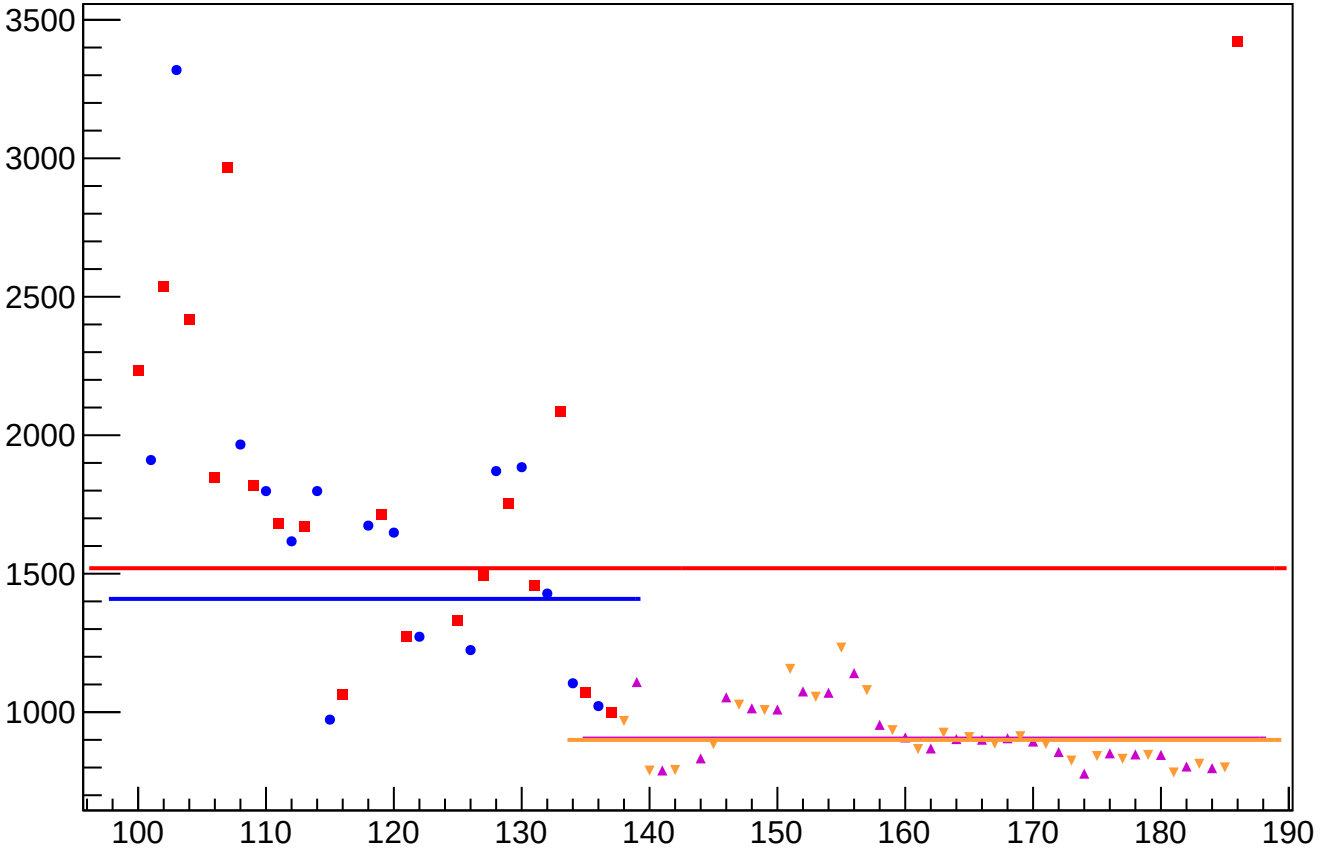
Right: -44.453+/-399.463 χ^2/NDF: 39.7/34

In: -65.082+/-198.585 χ^2/NDF:53.6/38

Out: -643.940+/-198.221 χ^2/NDF:84.8/42

All: -355.042+/-140.292 χ^2/NDF: 142.7/81

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 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

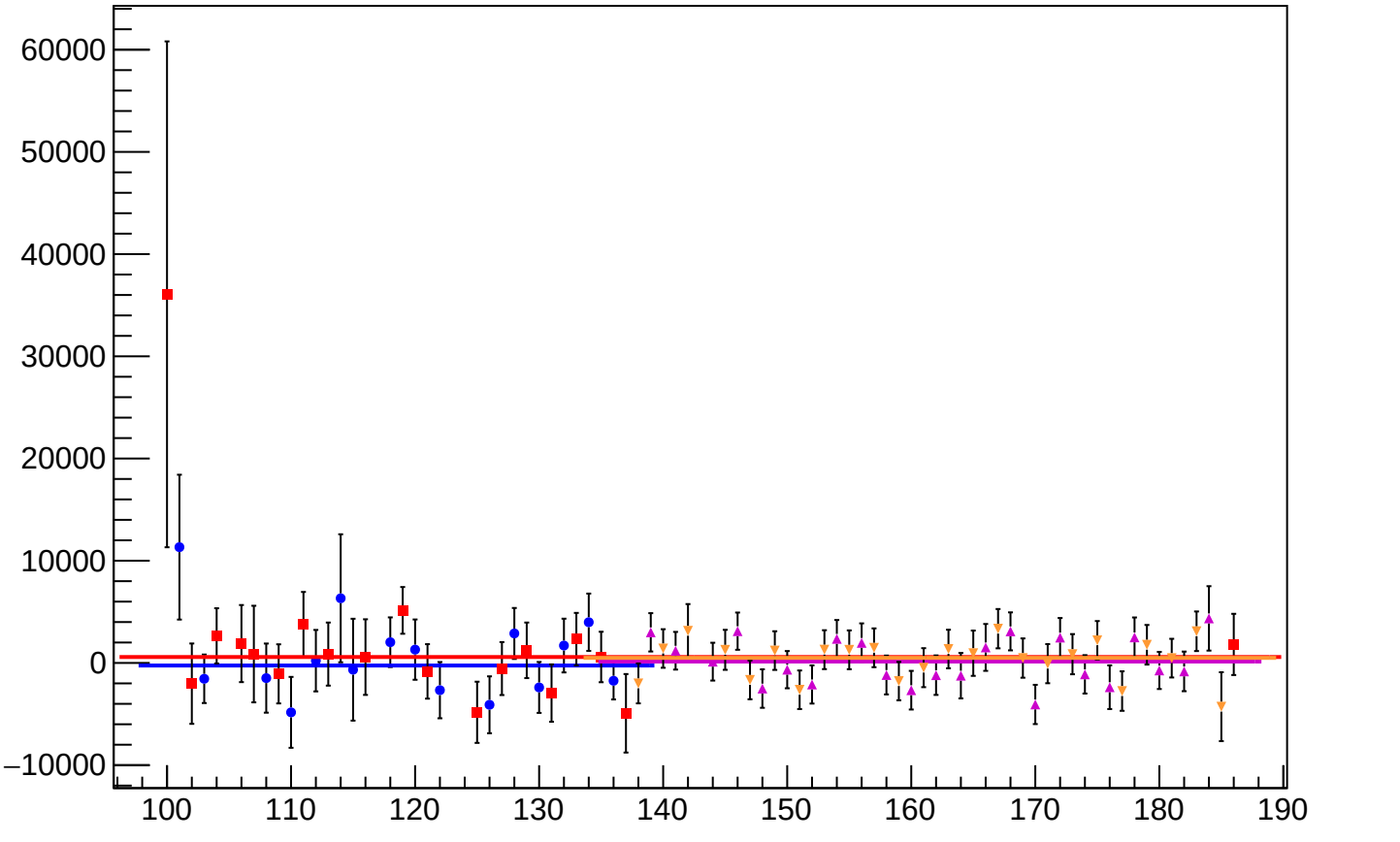
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1461.300+/-0.282 χ^2/NDF: 2478095.5/34

In: 970.466+/-0.140 χ^2/NDF:3083081.7/38

Out: 971.870+/-0.140 χ^2/NDF:3777578.8/42

All: 971.169+/-0.099 χ^2/NDF: 6860710.5/81



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

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

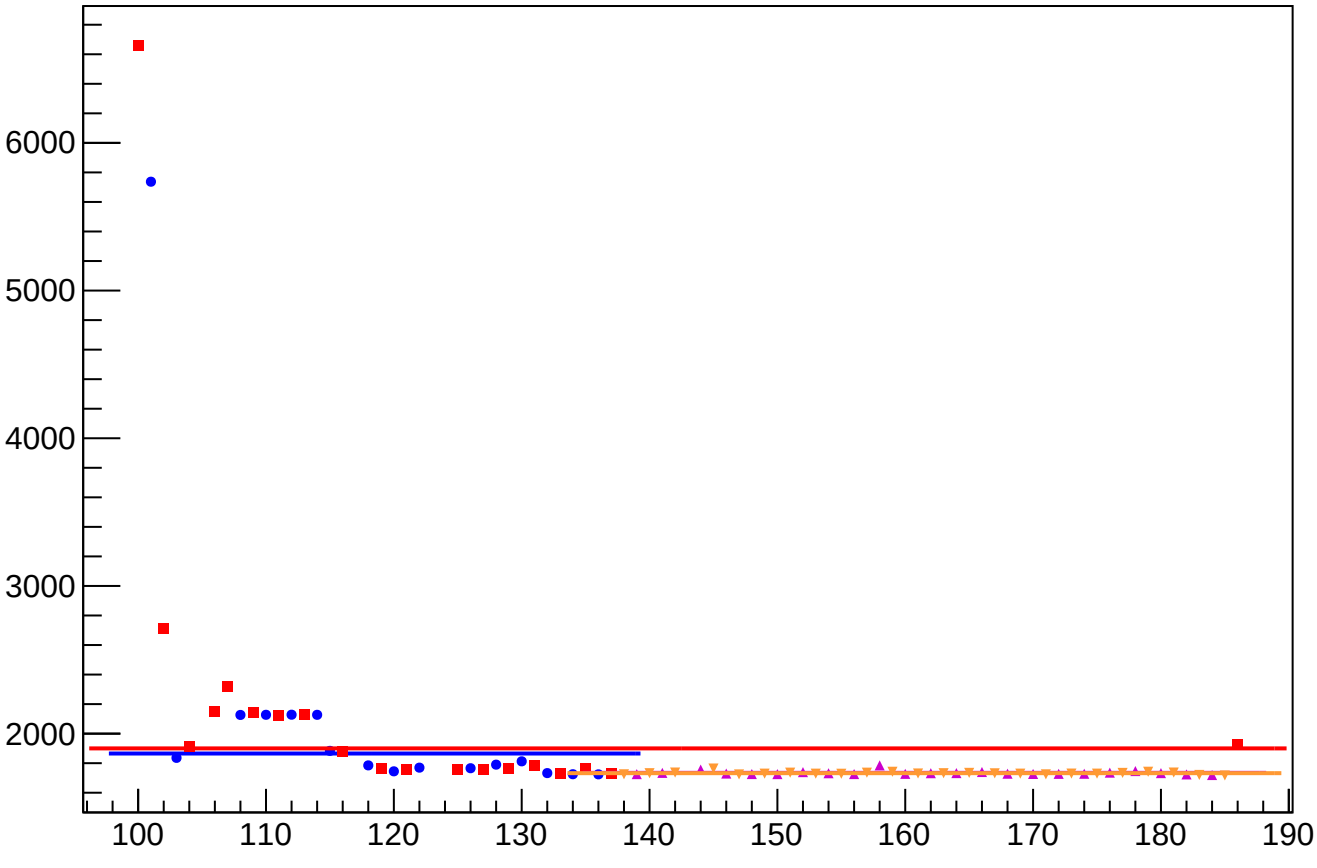
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 172.582+/-496.958 χ^2/NDF: 32.9/34

In: 41.613+/-351.784 χ^2/NDF:45.4/38

Out: 516.315+/-348.133 χ^2/NDF:36.7/42

All: 281.440+/-247.448 χ^2/NDF: 83.0/81



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

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

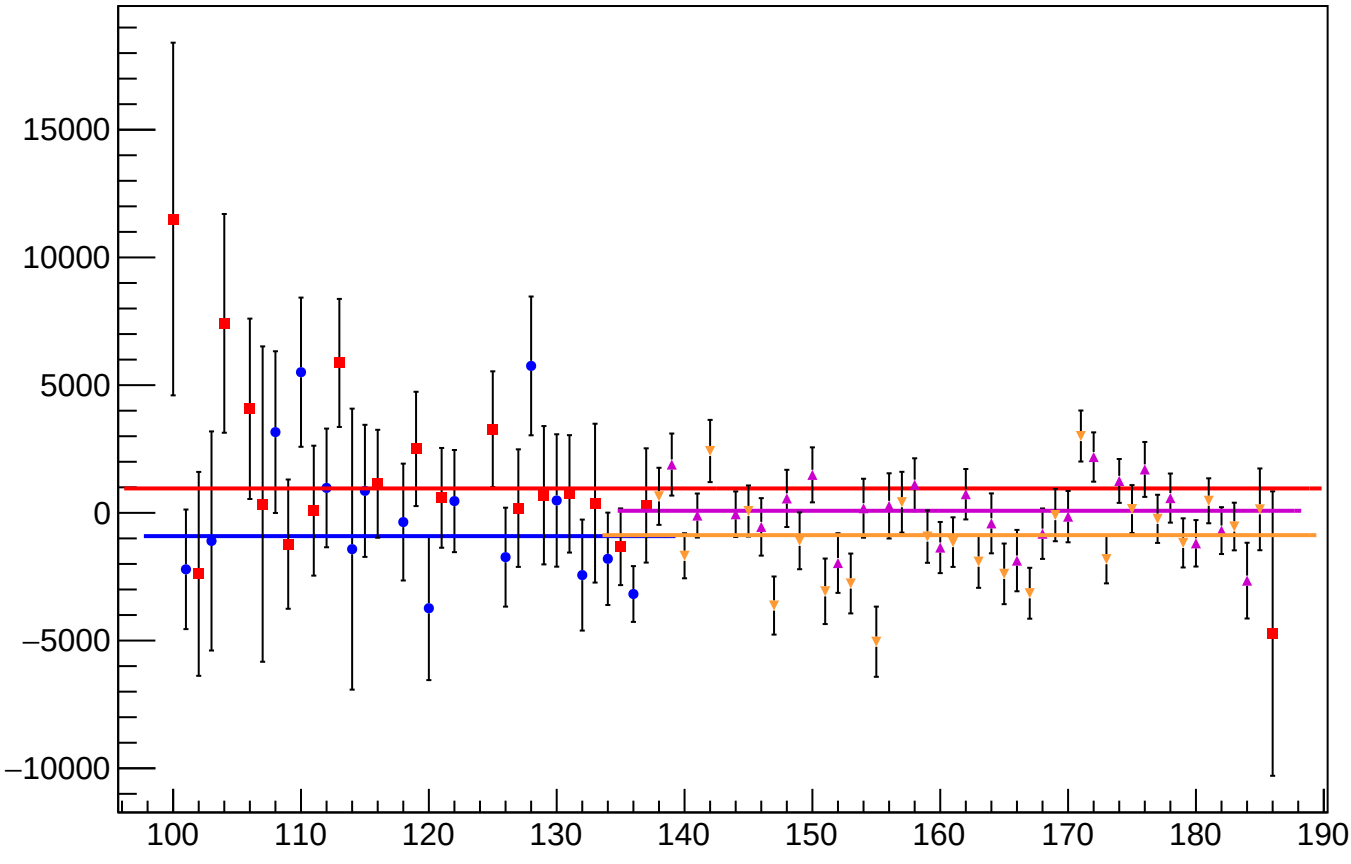
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1883.109+/-0.351 χ^2/NDF: 946686.4/34

In: 1766.698+/-0.249 χ^2/NDF:728478.7/38

Out: 1774.362+/-0.246 χ^2/NDF:357258.9/42

All: 1770.570+/-0.175 χ^2/NDF: 1086217.2/81



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

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

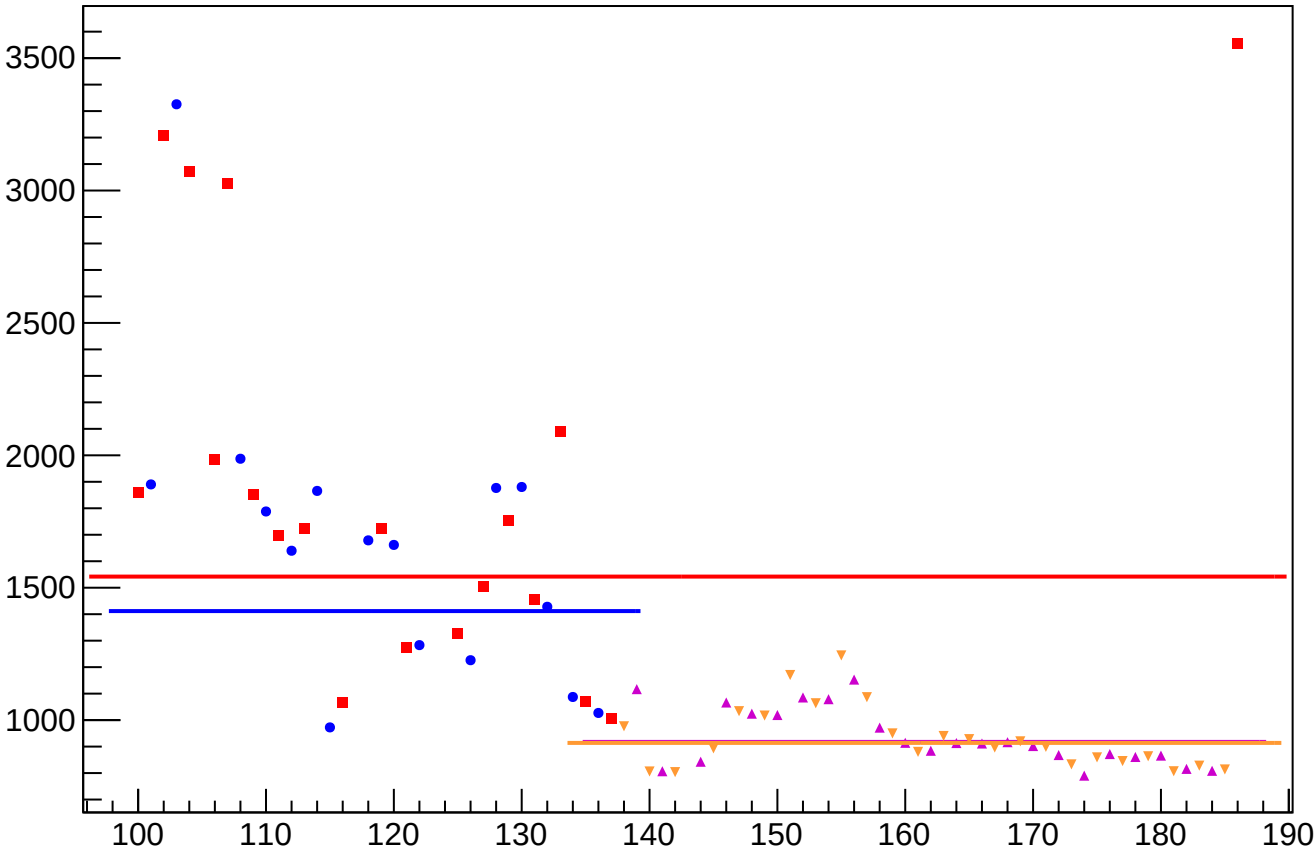
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -38.792+/-402.089 χ^2/NDF: 42.3/34

In: -50.659+/-201.022 χ^2/NDF:53.8/38

Out: -659.092+/-201.114 χ^2/NDF:86.5/42

All: -354.737+/-142.176 χ^2/NDF: 144.9/81



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

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

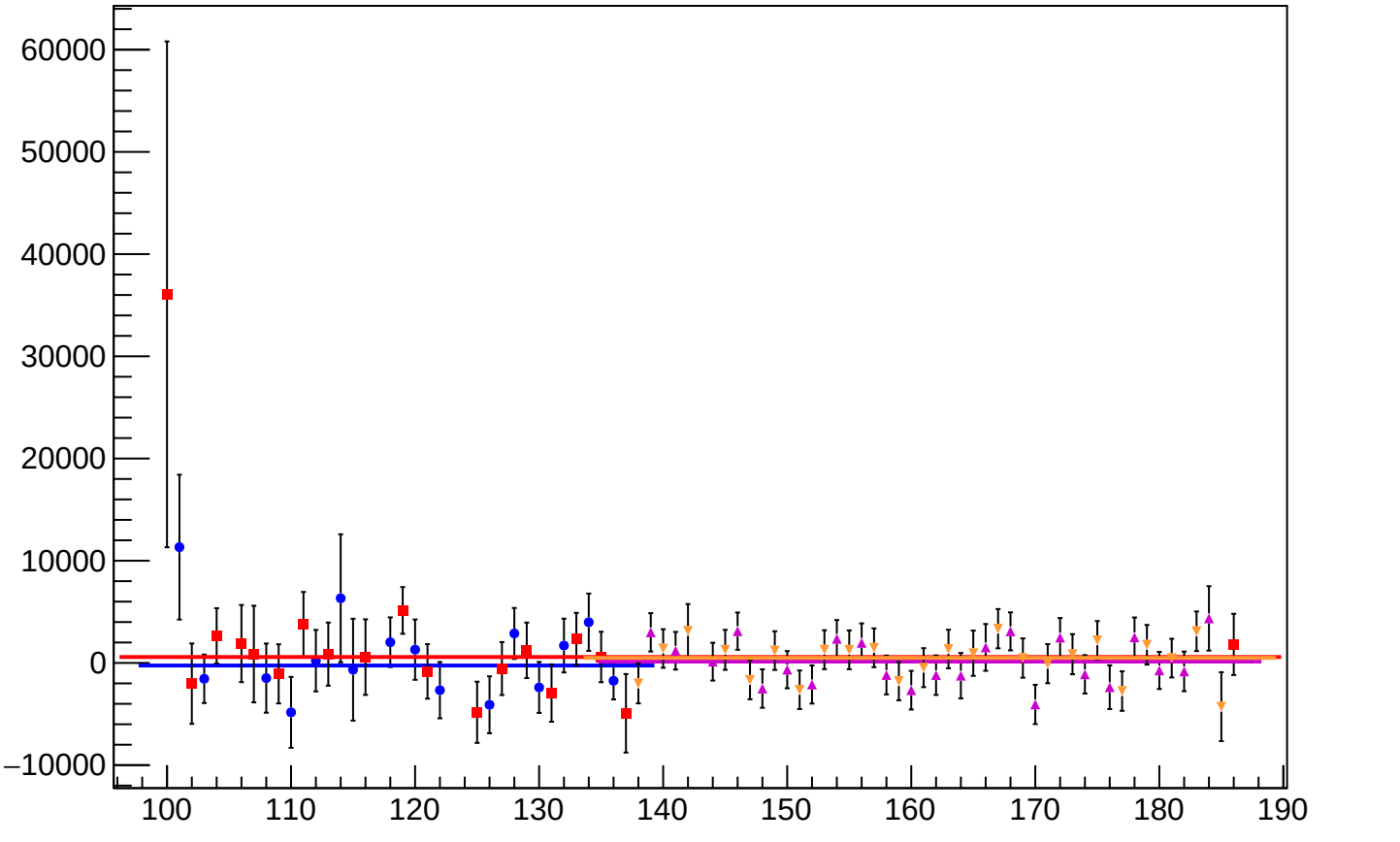
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1472.604+/-0.284 χ^2/NDF: 2854277.2/34

In: 983.475+/-0.142 χ^2/NDF:3002998.0/38

Out: 987.306+/-0.142 χ^2/NDF:4100641.9/42

All: 985.390+/-0.101 χ^2/NDF: 7104002.9/81



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

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

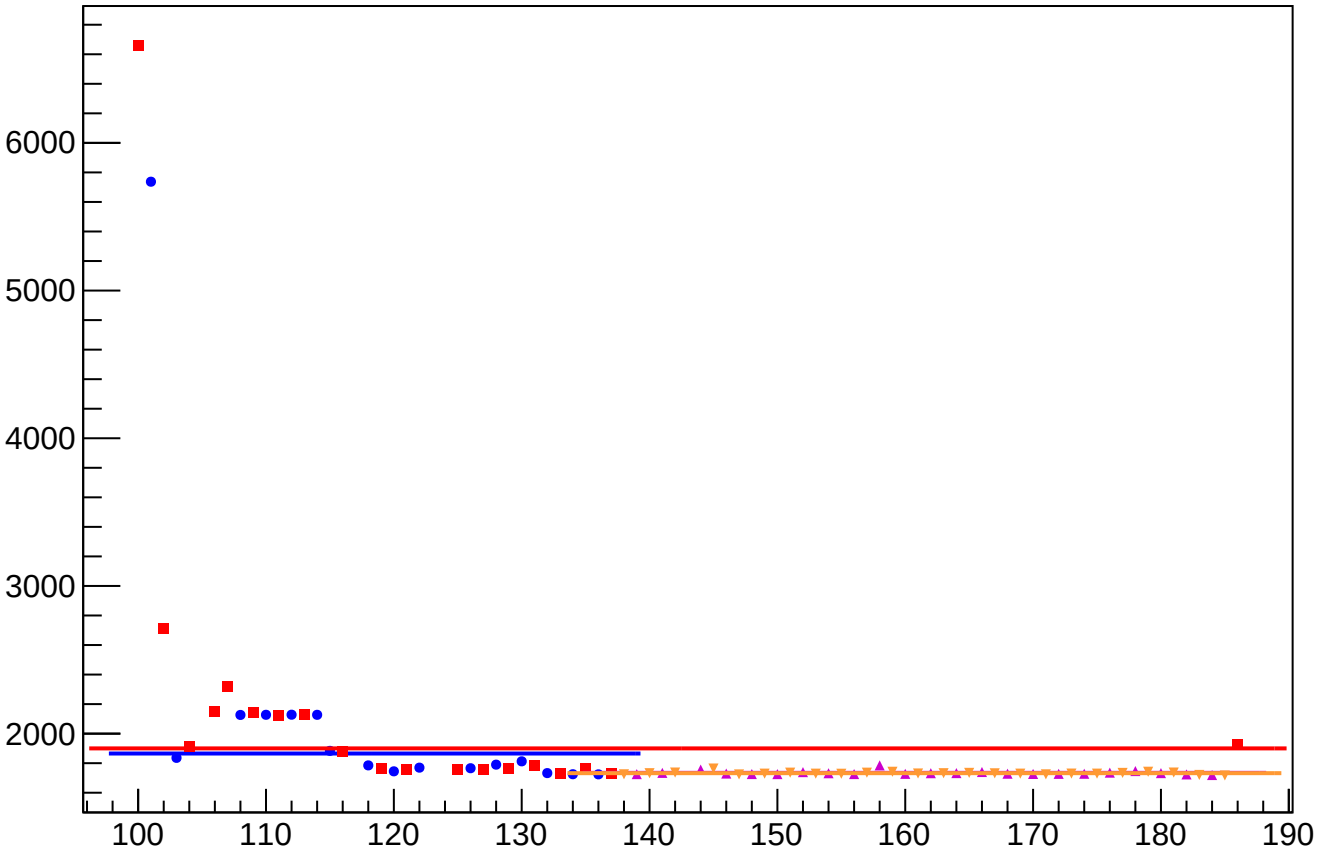
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 172.582+/-496.958 χ^2/NDF: 32.9/34

In: 41.614+/-351.784 χ^2/NDF:45.4/38

Out: 516.314+/-348.133 χ^2/NDF:36.7/42

All: 281.440+/-247.448 χ^2/NDF: 83.0/81



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

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

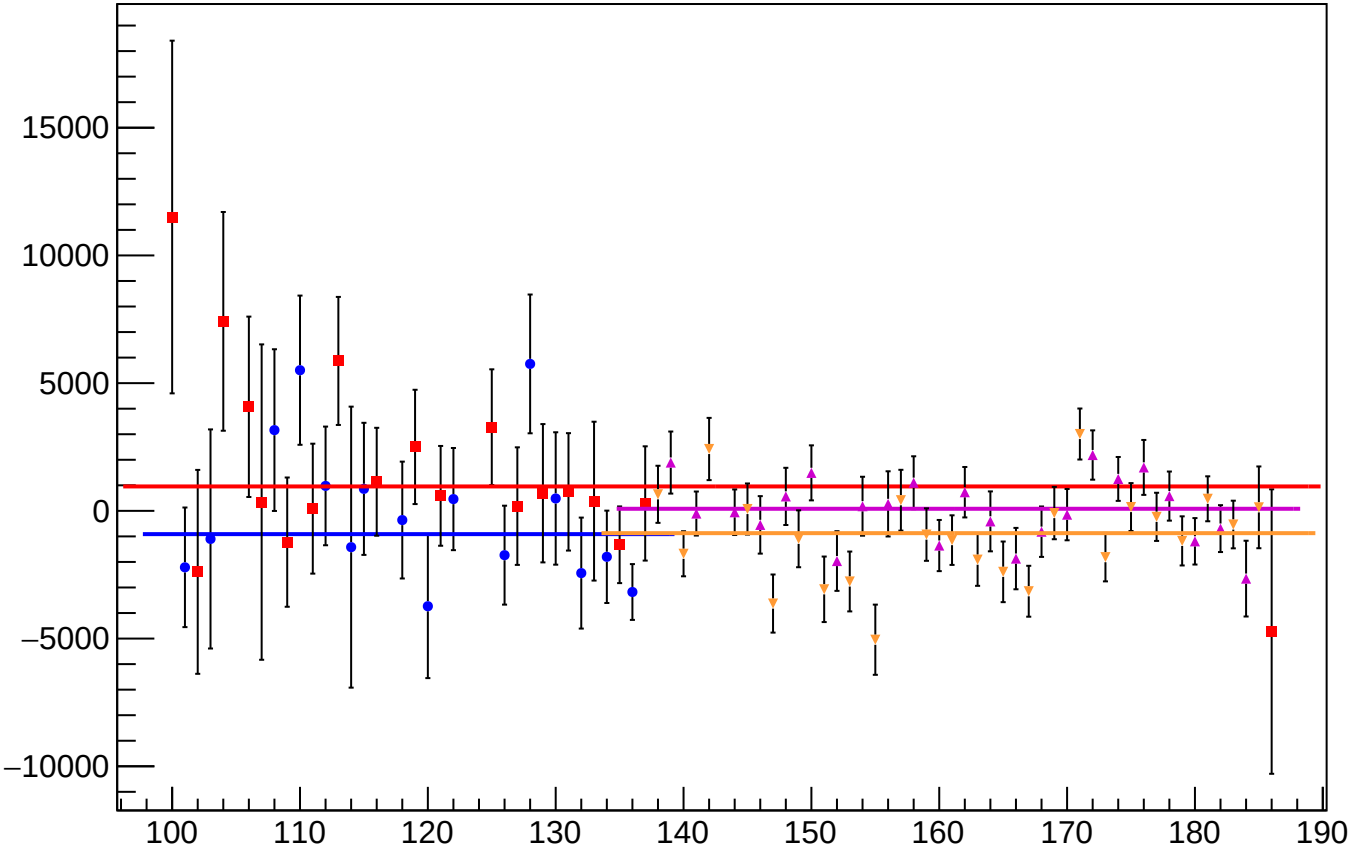
Right: 1883.109+/-0.351 χ^2/NDF: 946686.2/34

In: 1766.698+/-0.249 χ^2/NDF:728478.7/38

Out: 1774.362+/-0.246 χ^2/NDF:357258.6/42

All: 1770.570+/-0.175 χ^2/NDF: 1086216.9/81

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -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

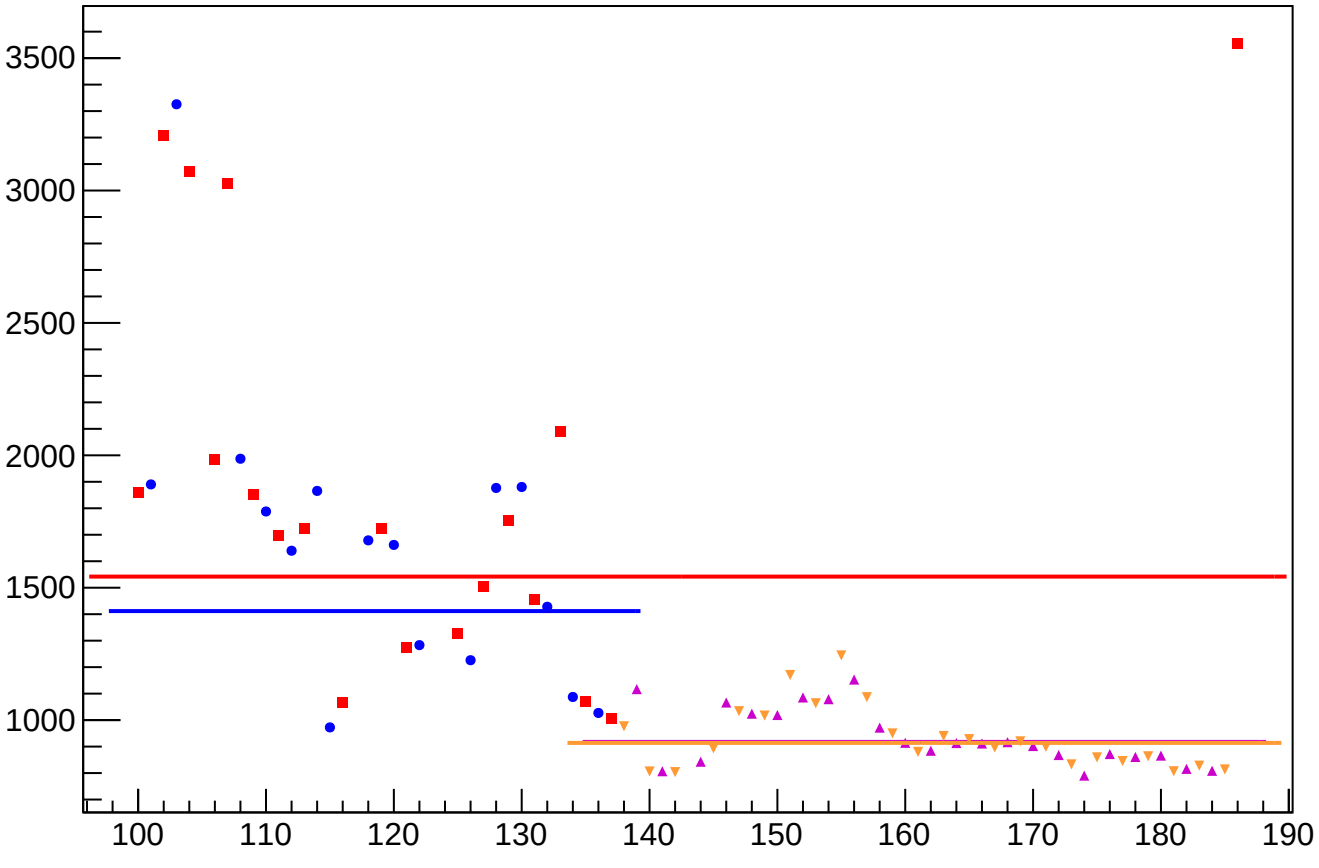
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -38.790+/-402.088 χ^2/NDF: 42.3/34

In: -50.660+/-201.022 χ^2/NDF:53.8/38

Out: -659.091+/-201.114 χ^2/NDF:86.5/42

All: -354.737+/-142.176 χ^2/NDF: 144.9/81



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

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

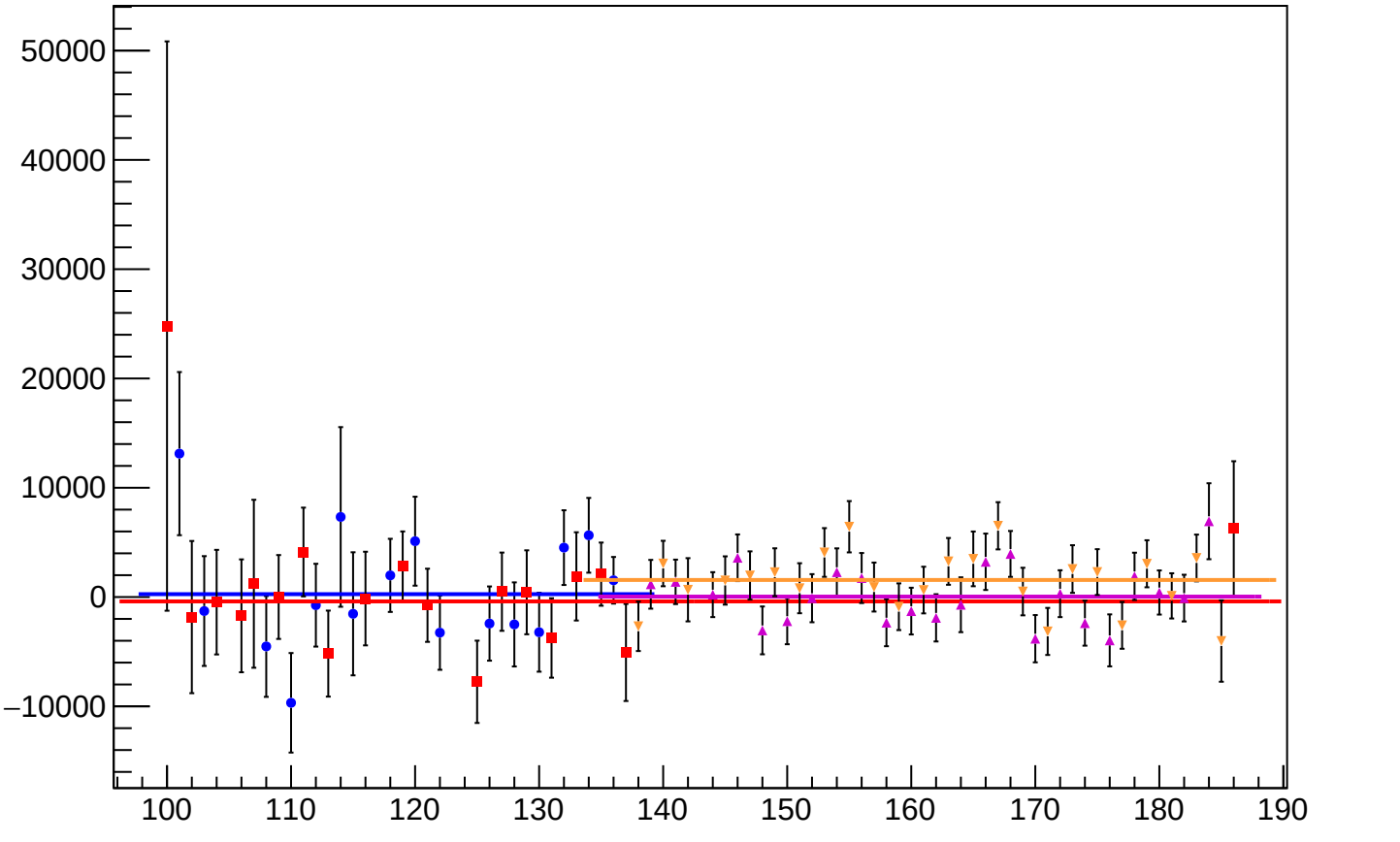
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1472.601+/-0.284 χ^2/NDF: 2854283.4/34

In: 983.475+/-0.142 χ^2/NDF:3002998.9/38

Out: 987.306+/-0.142 χ^2/NDF:4100645.9/42

All: 985.389+/-0.101 χ^2/NDF: 7104007.8/81



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

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

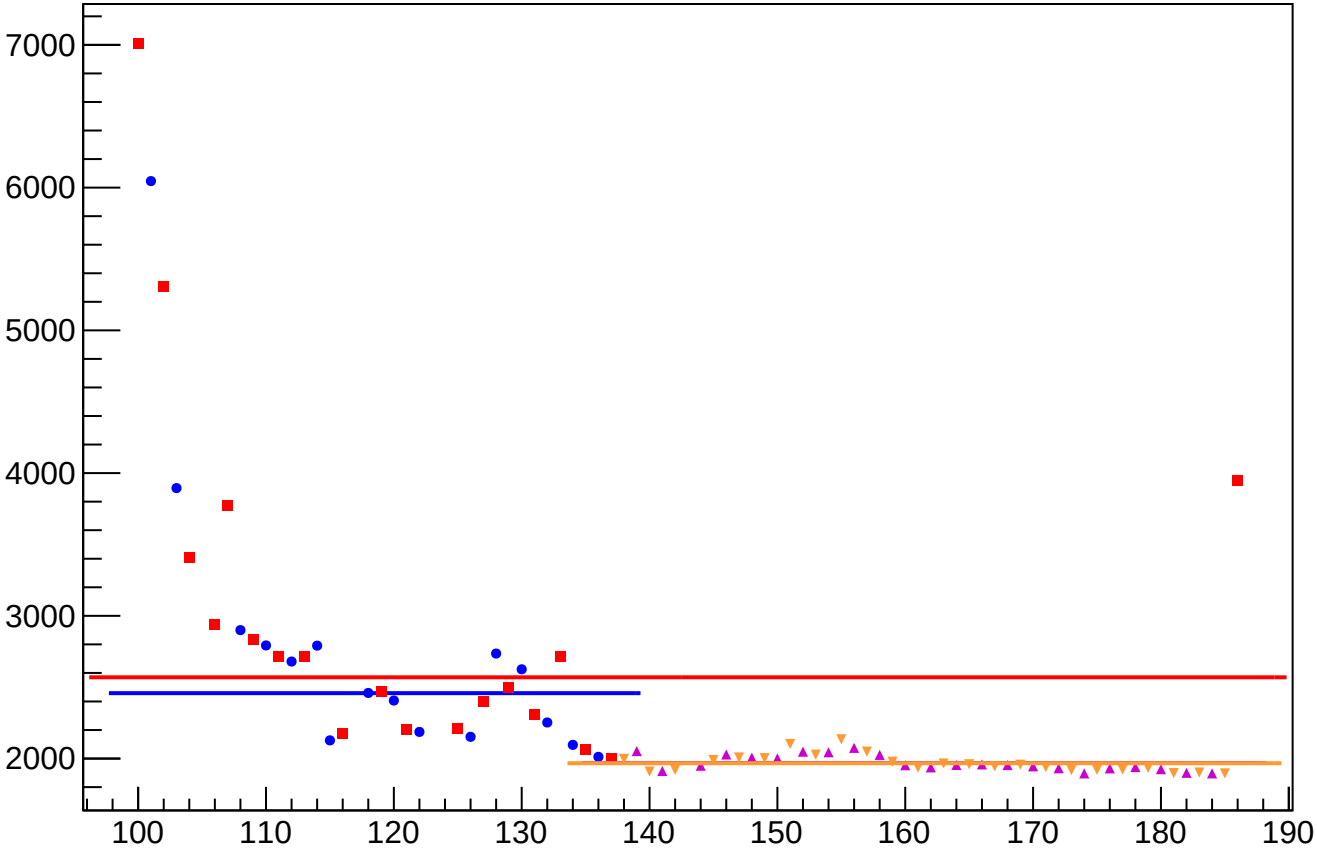
Right: -63.886+/-669.394 χ^2/NDF: 32.2/34

In: 83.103+/-413.302 χ^2/NDF:46.9/38

Out: 1194.050+/-411.857 χ^2/NDF:47.6/42

All: 640.523+/-291.736 χ^2/NDF: 98.1/81

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 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

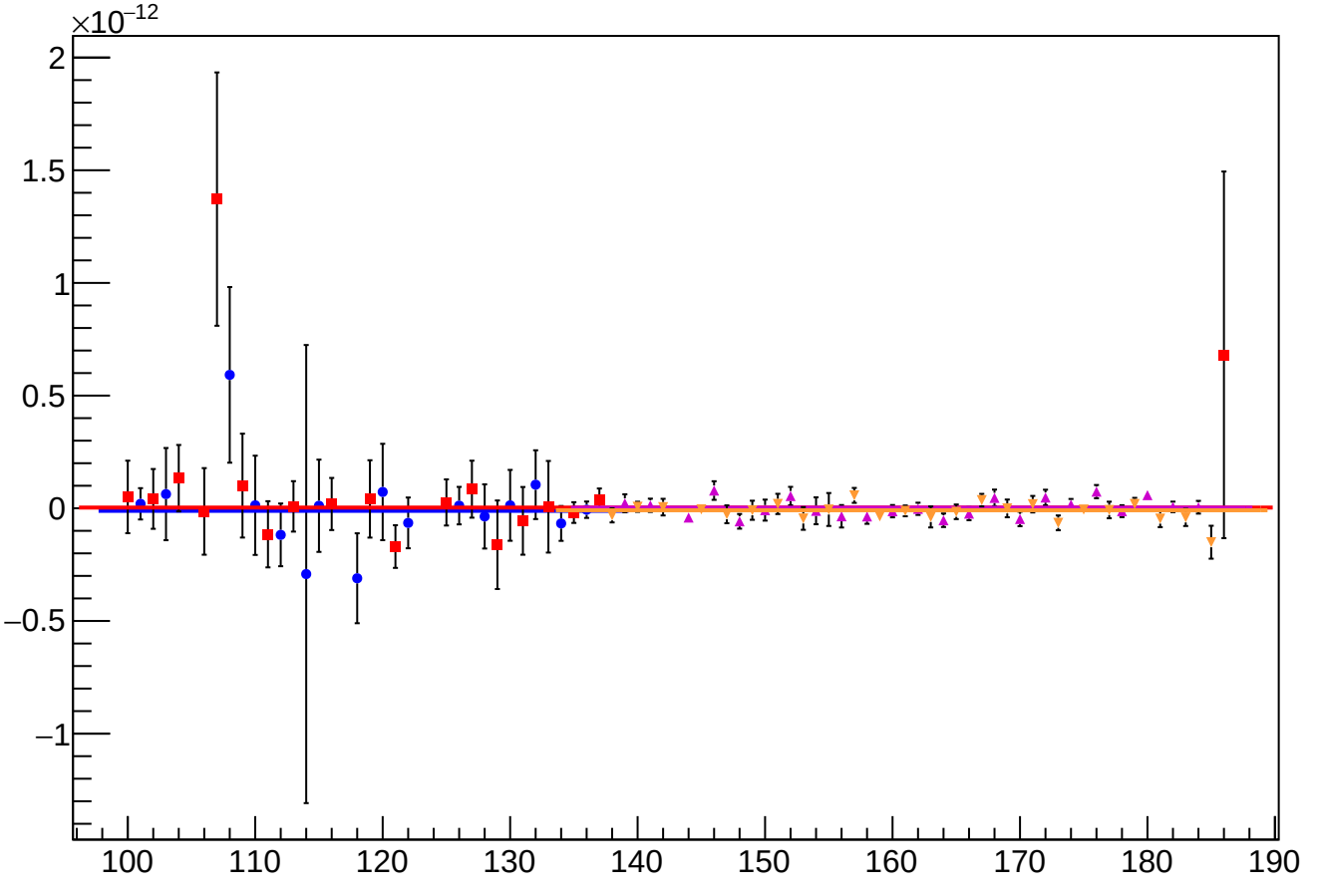
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2513.298+/-0.473 χ^2/NDF: 1622290.1/34

In: 2063.219+/-0.292 χ^2/NDF:1295176.2/38

Out: 2080.216+/-0.291 χ^2/NDF:1460436.8/42

All: 2071.747+/-0.206 χ^2/NDF: 2757310.3/81



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

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

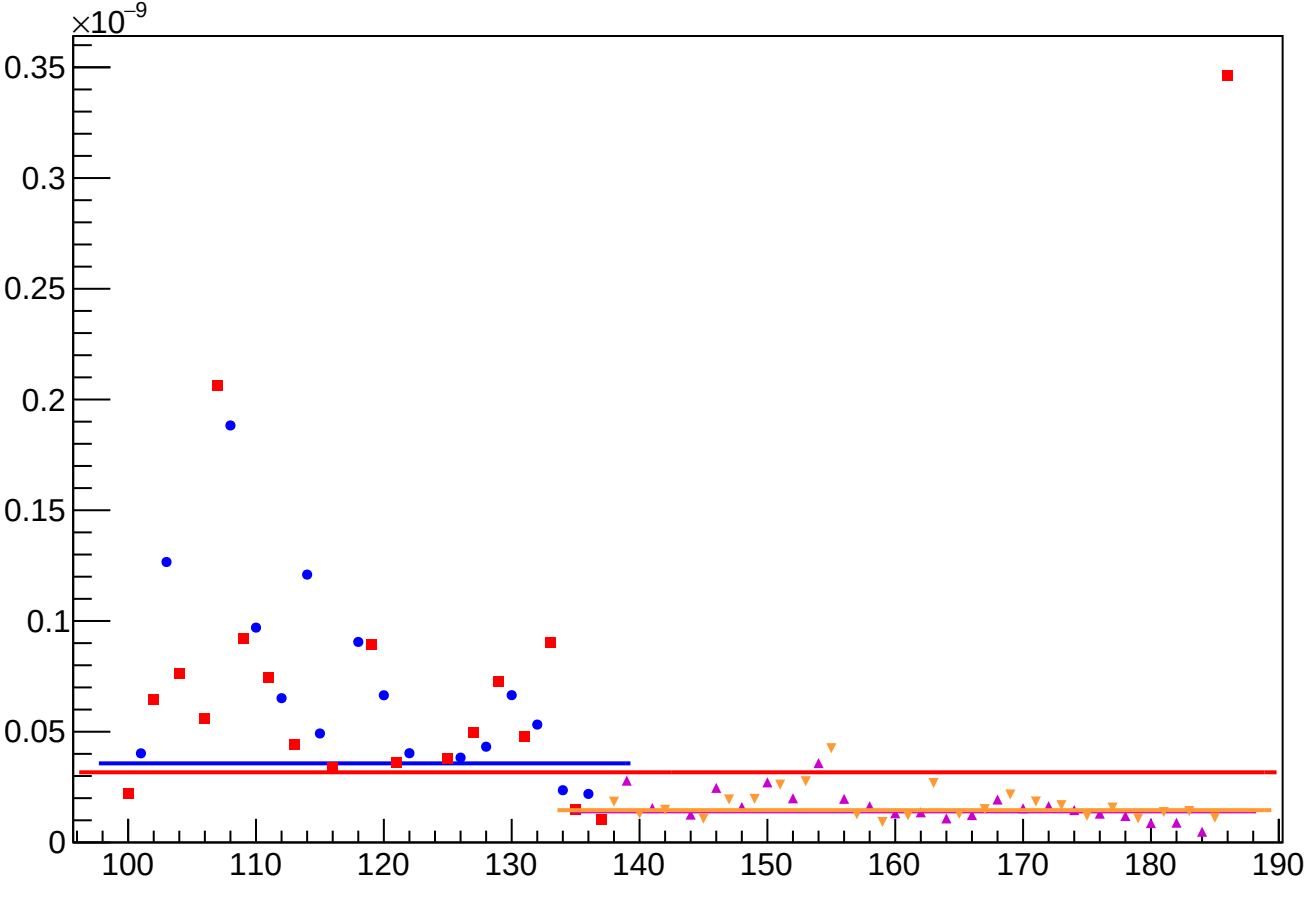
Right: -0.000+/-0.000 χ^2/NDF: 21.4/34

In: 0.000+/-0.000 χ^2/NDF:46.5/38

Out: -0.000+/-0.000 χ^2/NDF:34.9/42

All: -0.000+/-0.000 χ^2/NDF: 82.7/81

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

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

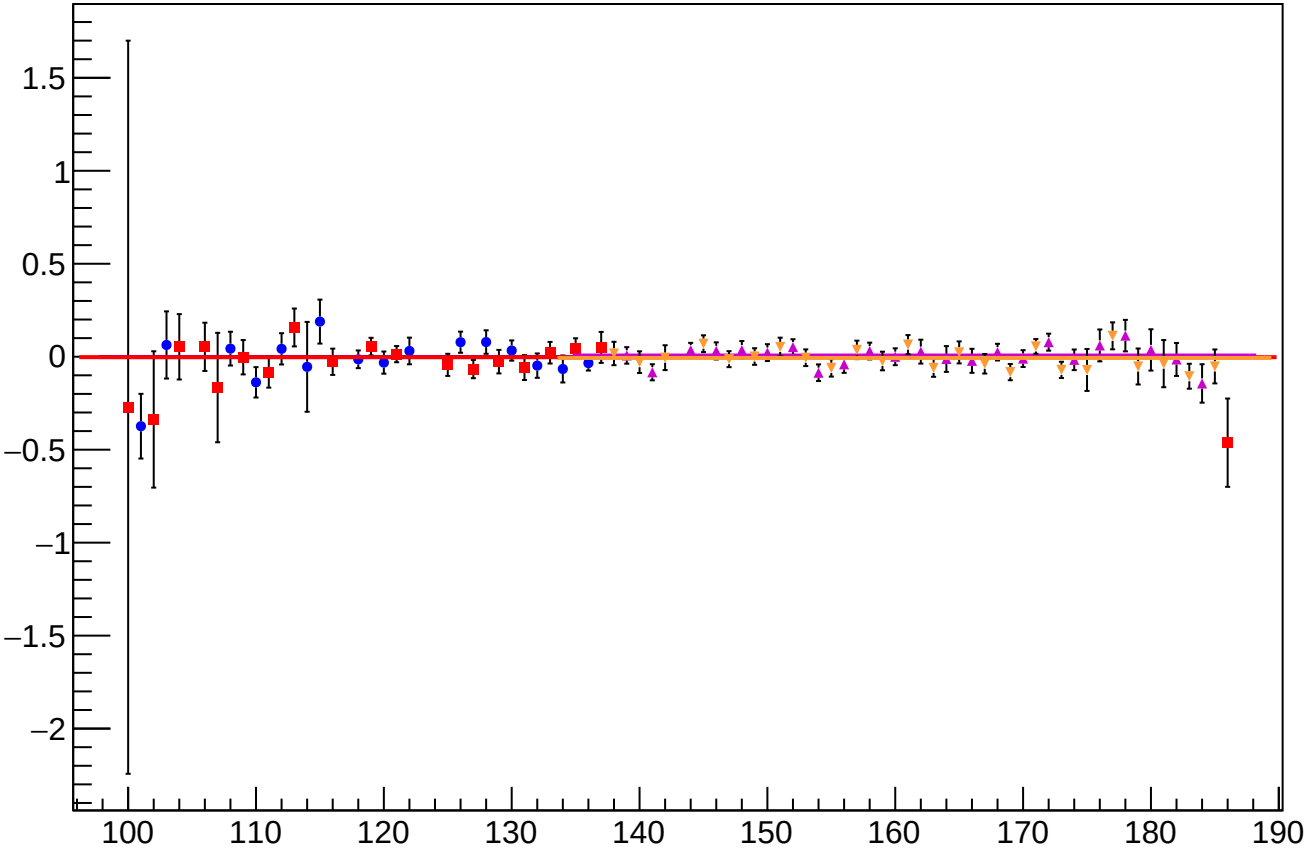
Right: 0.000+/-0.000 χ^2/NDF: 4015540.9/34

In: 0.000+/-0.000 χ^2/NDF:4516422.0/38

Out: 0.000+/-0.000 χ^2/NDF:4466652.8/42

All: 0.000+/-0.000 χ^2/NDF: 8985892.6/81

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 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

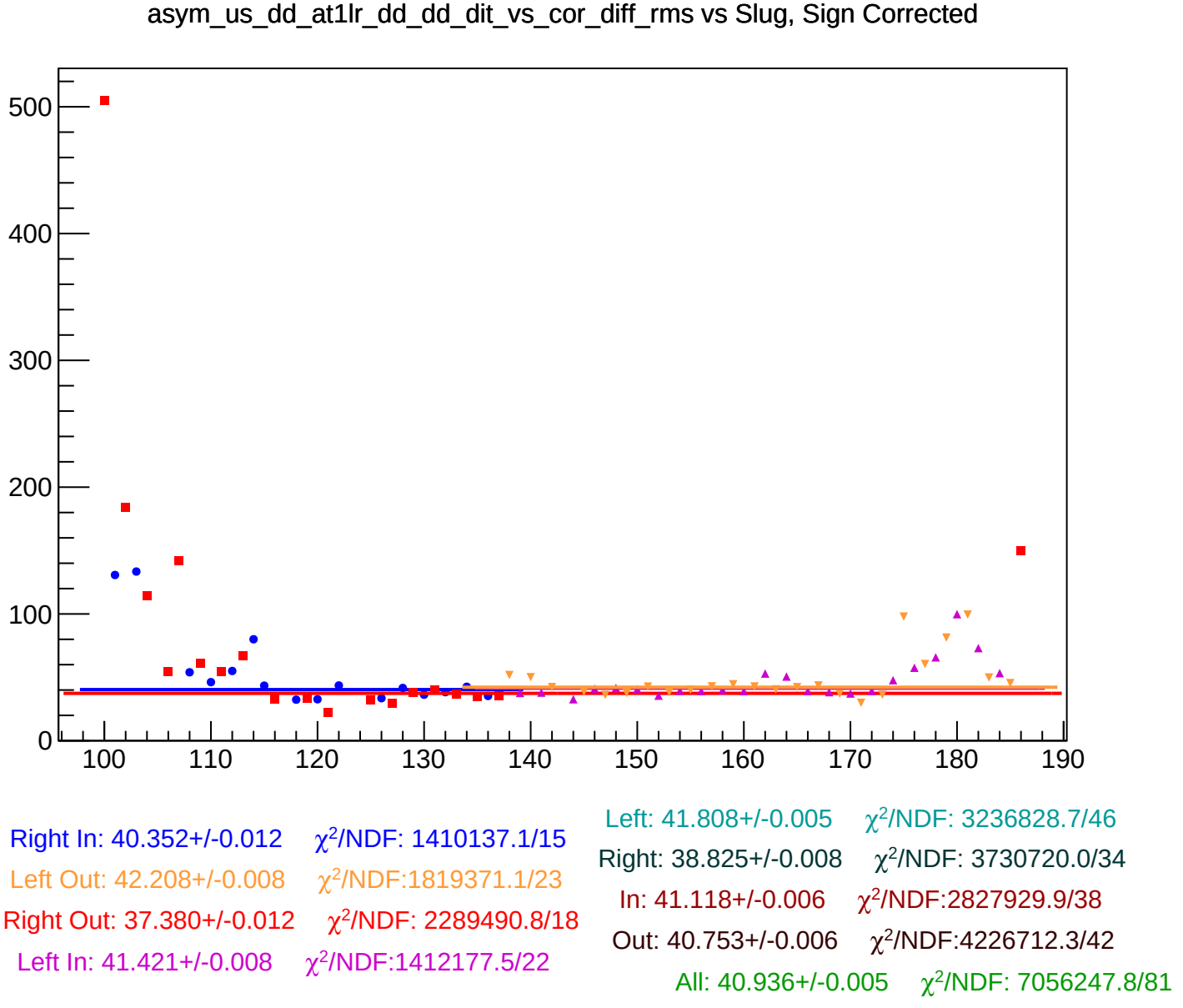
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.012 χ^2/NDF: 31.8/34

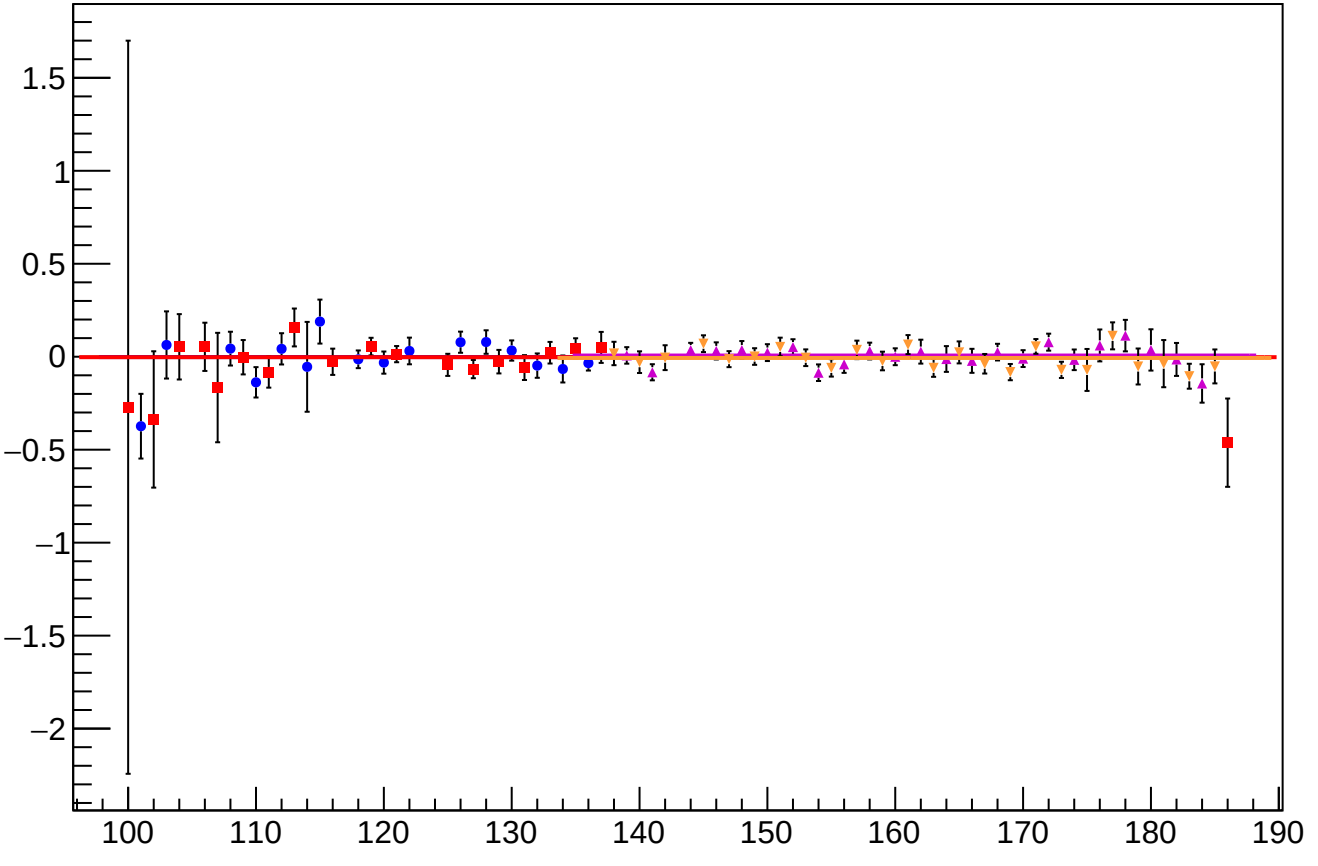
In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.001+/-0.006 χ^2/NDF: 76.5/81


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
500
400
300
200
100
0
100
110
120
130
140
150
160
170
180
190
Right In: 40.352+/-0.012 χ2/NDF: 1410137.1/15
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: 38.825+/-0.008 χ2/NDF: 3730720.0/34
In: 41.118+/-0.006 χ2/NDF:2827929.9/38
Out: 40.753+/-0.006 χ2/NDF:4226712.3/42
All: 40.936+/-0.005 χ2/NDF: 7056247.8/81

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 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

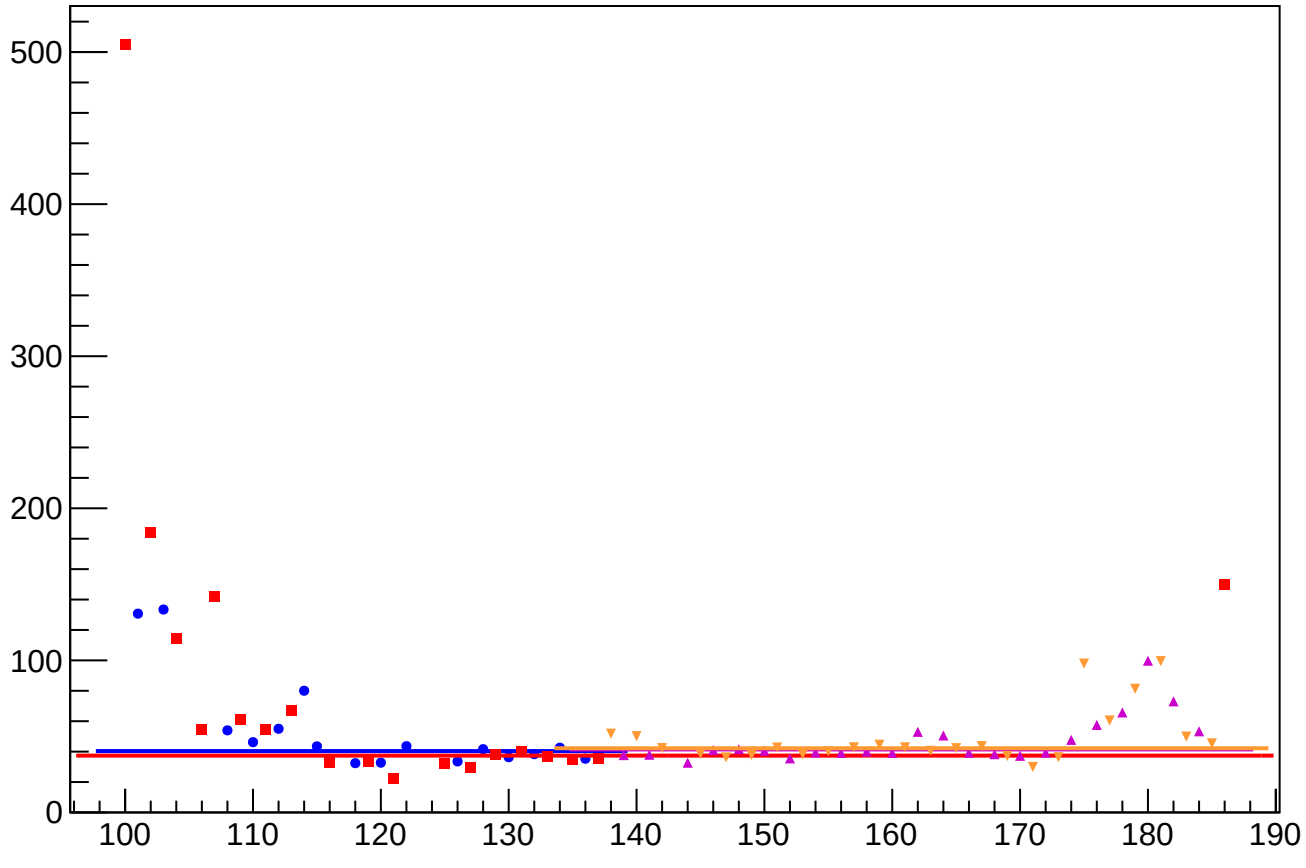
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.012 χ^2/NDF: 31.8/34

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.001+/-0.006 χ^2/NDF: 76.5/81



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

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

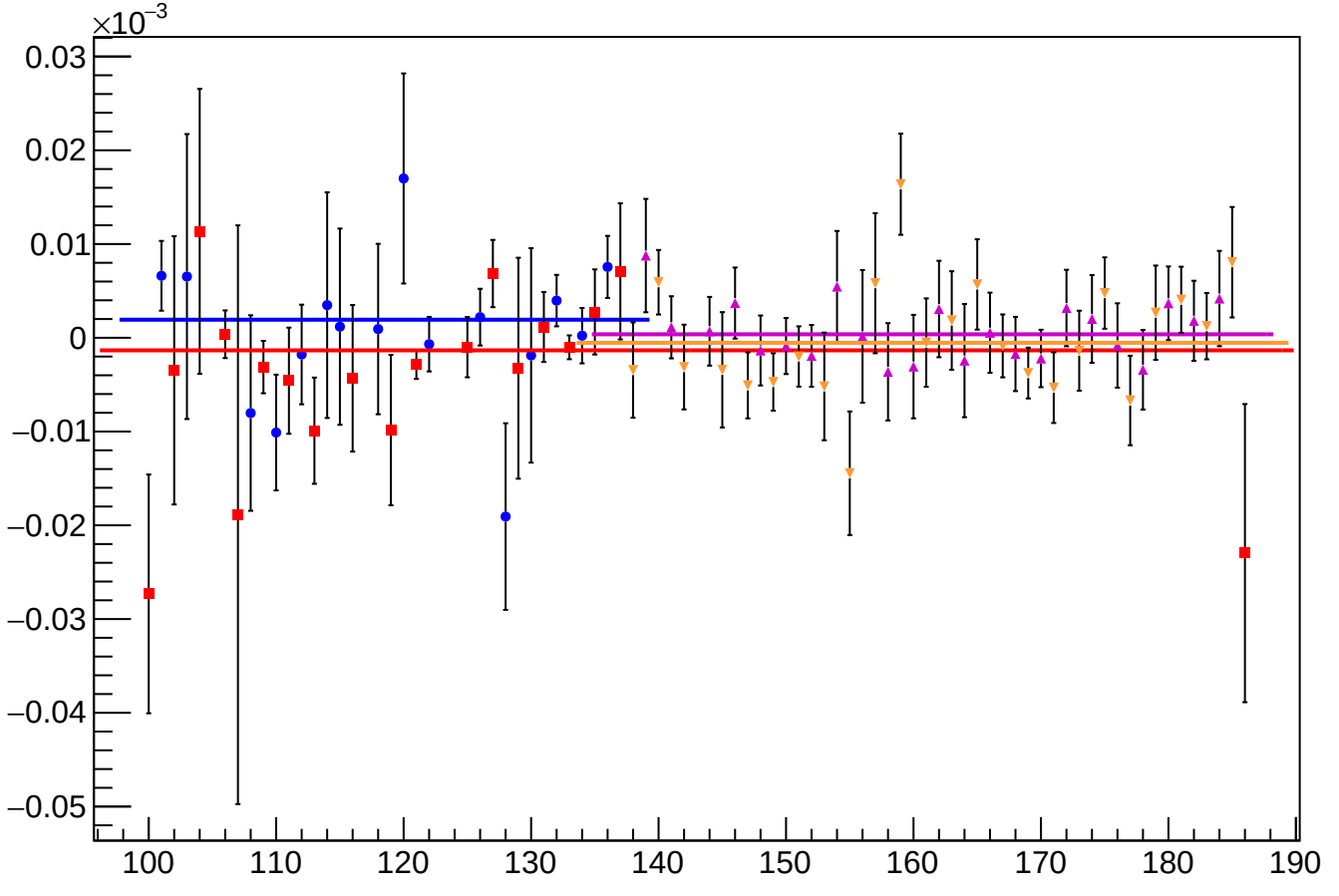
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.825+/-0.008 χ^2/NDF: 3730720.0/34

In: 41.118+/-0.006 χ^2/NDF:2827929.9/38

Out: 40.753+/-0.006 χ^2/NDF:4226712.3/42

All: 40.936+/-0.005 χ^2/NDF: 7056247.8/81



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

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

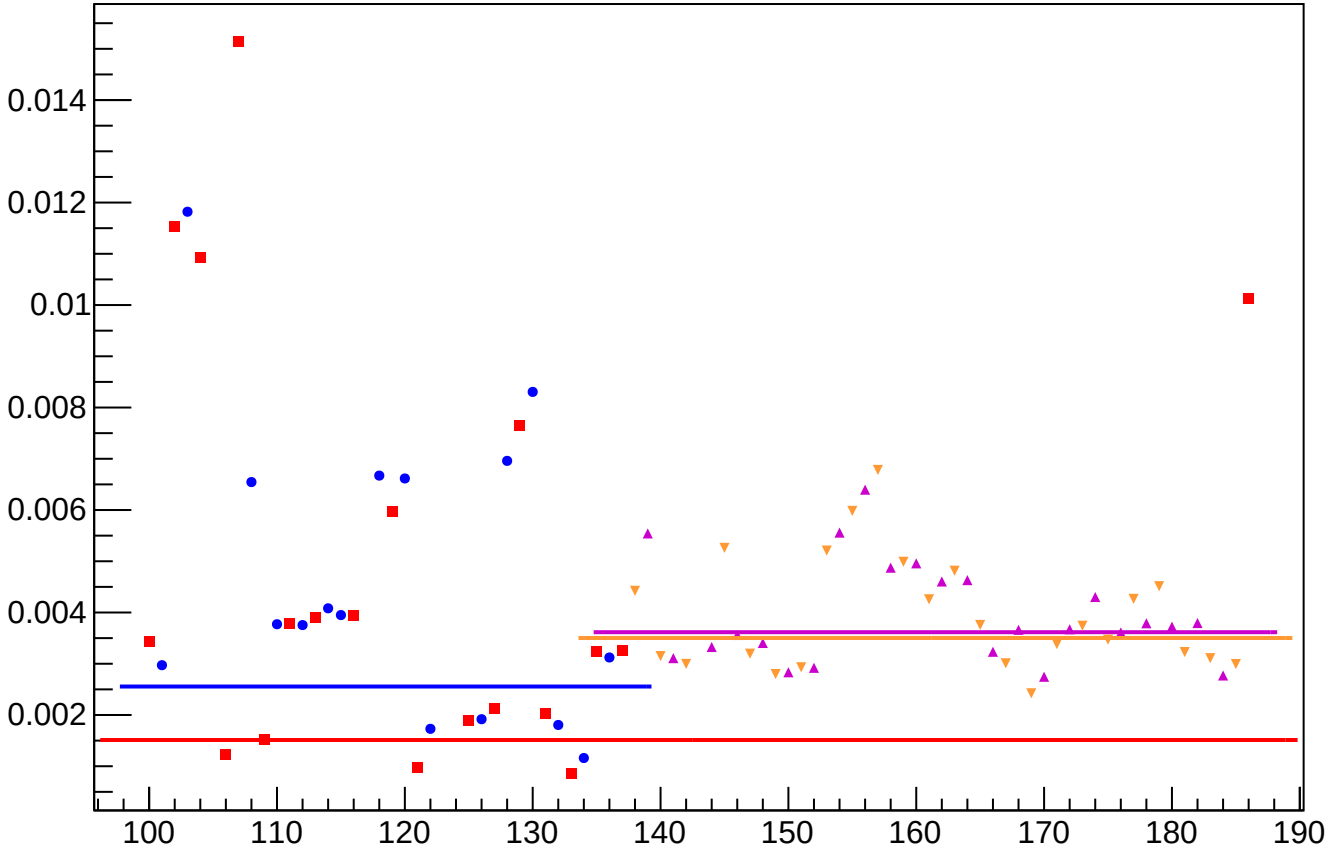
Right: -0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:28.7/38

Out: -0.000+/-0.000 χ^2/NDF:58.1/42

All: -0.000+/-0.000 χ^2/NDF: 91.5/81

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF: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

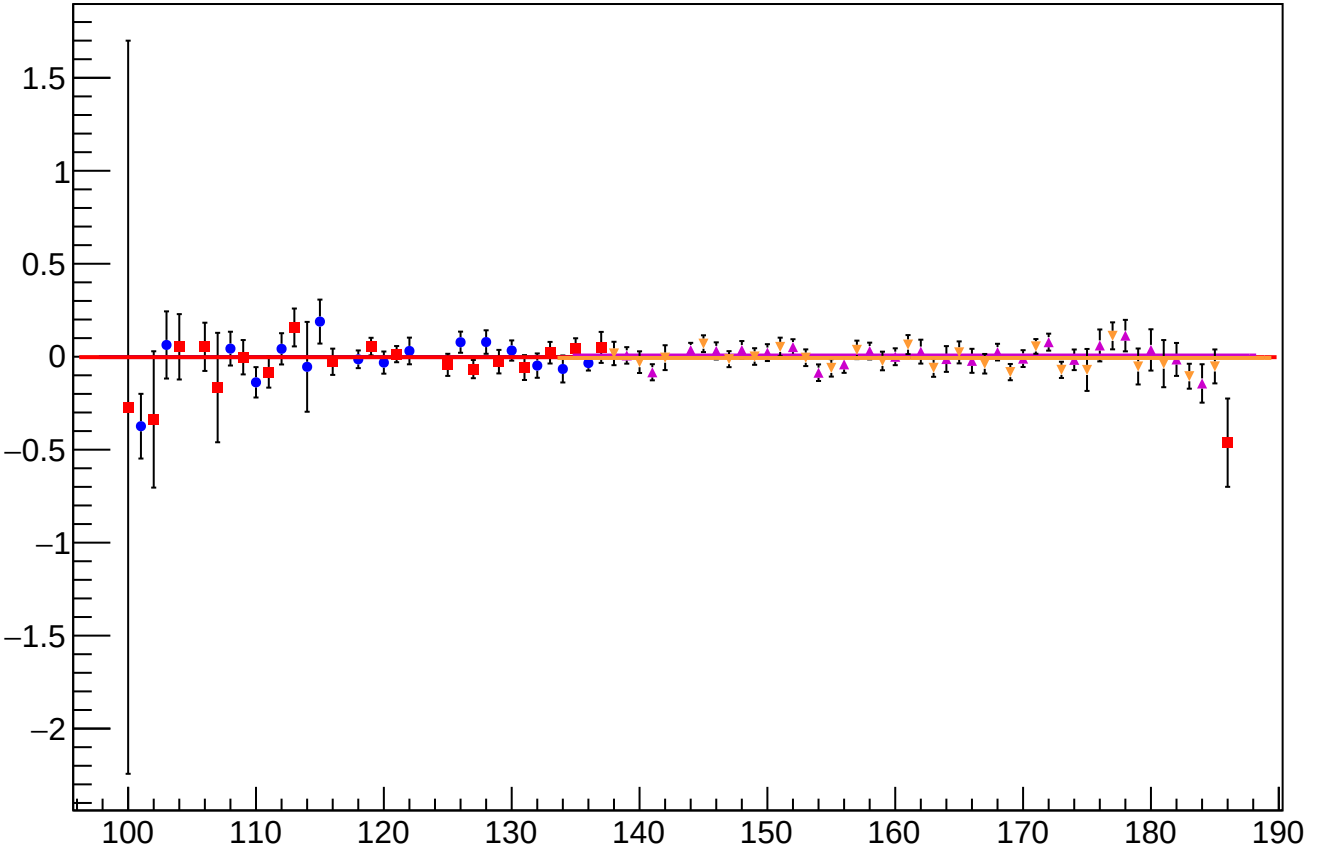
Right: 0.002+/-0.000 χ^2/NDF: 11100204.2/34

In: 0.003+/-0.000 χ^2/NDF:6540544.5/38

Out: 0.002+/-0.000 χ^2/NDF:14556250.7/42

All: 0.003+/-0.000 χ^2/NDF: 22844038.3/81

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 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

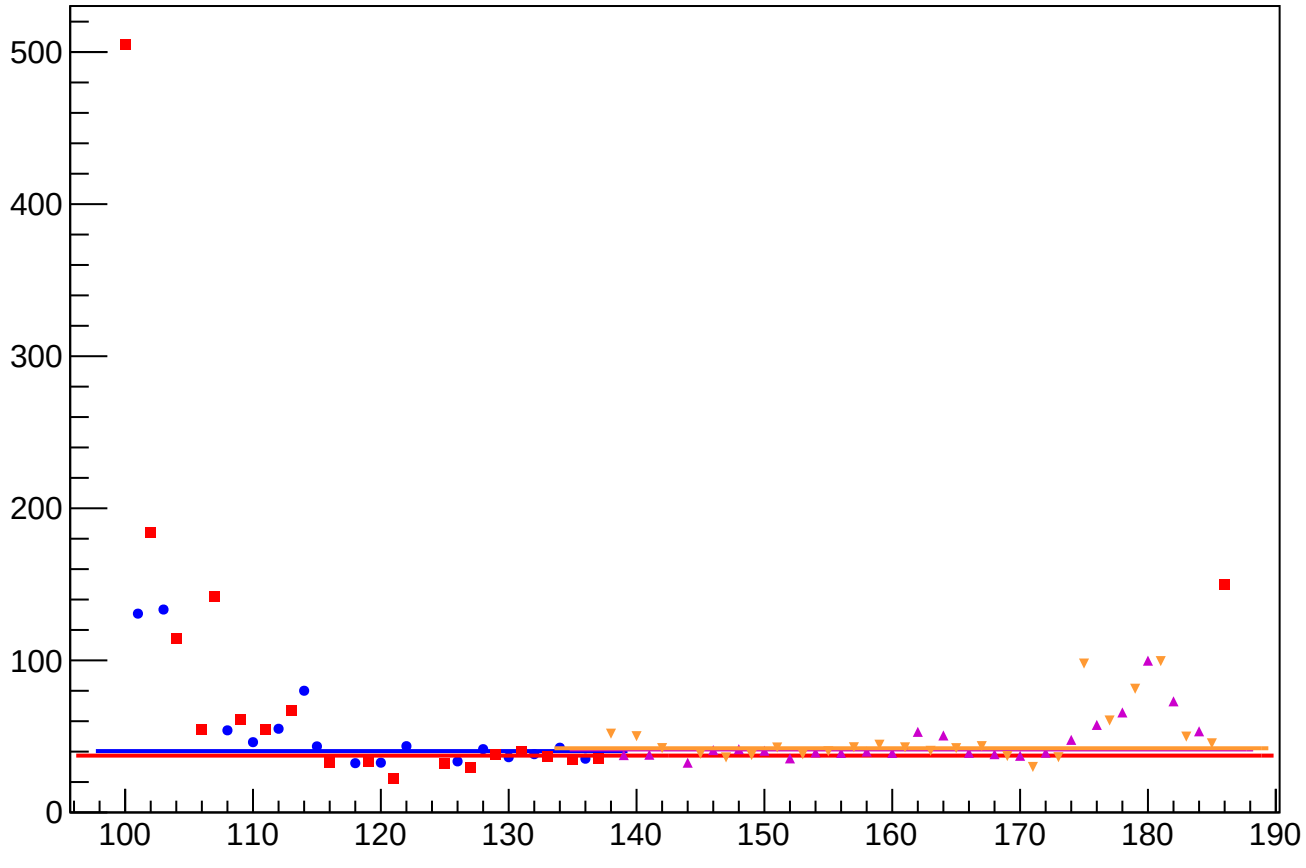
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.012 χ^2/NDF: 31.8/34

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.001+/-0.006 χ^2/NDF: 76.5/81



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

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

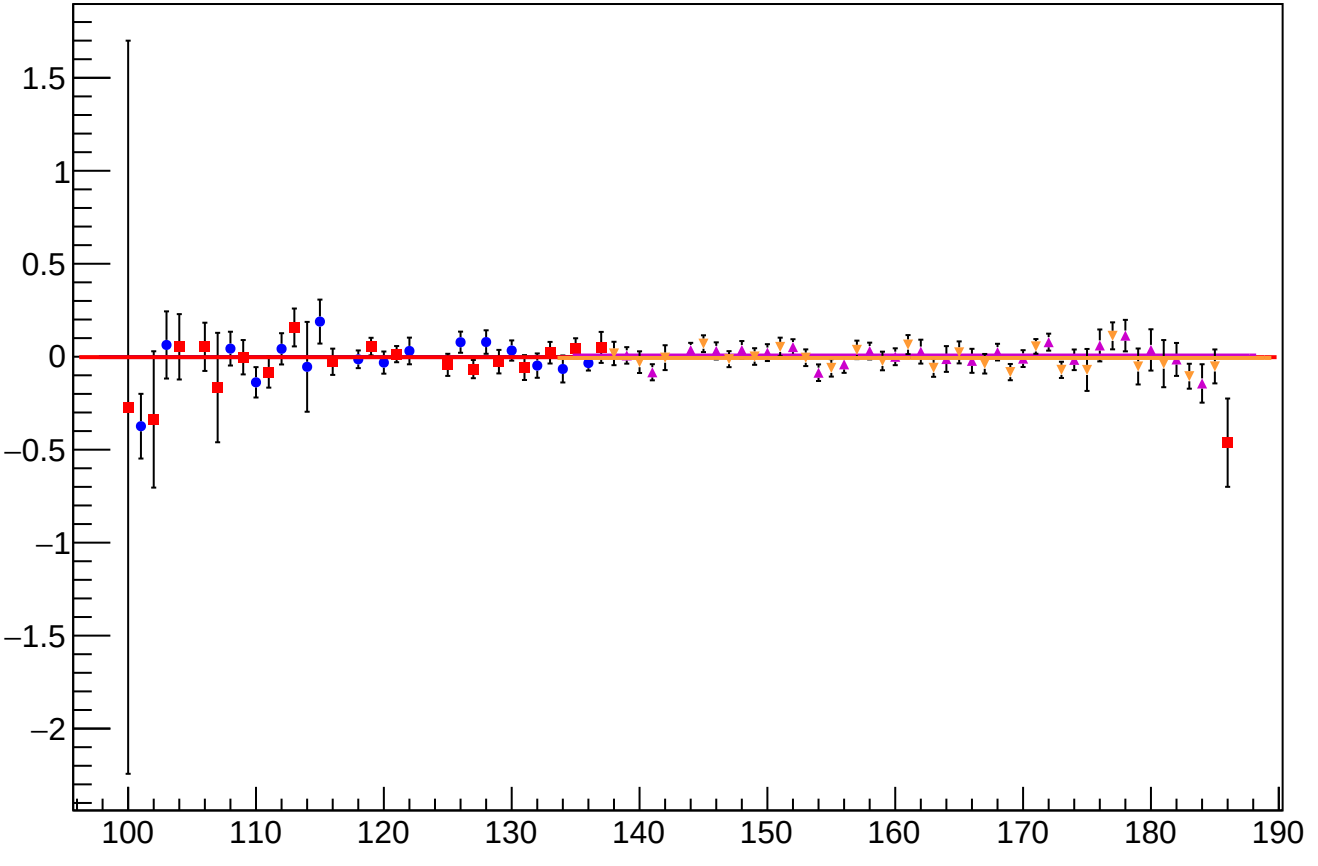
Right: 38.825+/-0.008 χ^2/NDF: 3730655.9/34

In: 41.118+/-0.006 χ^2/NDF:2827756.2/38

Out: 40.752+/-0.006 χ^2/NDF:4226757.6/42

All: 40.936+/-0.005 χ^2/NDF: 7056124.4/81

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.007+/-0.011 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

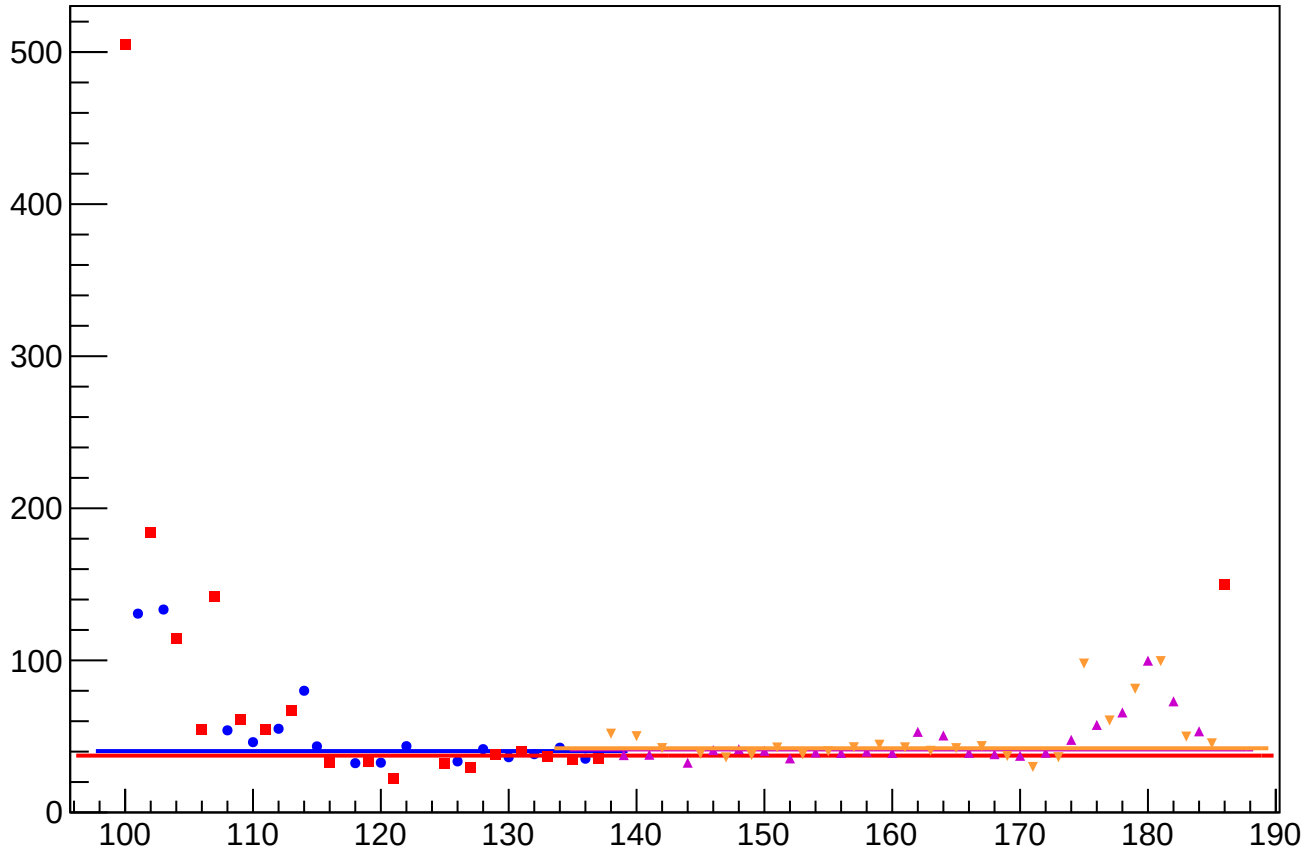
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.002+/-0.012 χ^2/NDF: 31.8/34

In: 0.004+/-0.009 χ^2/NDF:37.3/38

Out: -0.005+/-0.009 χ^2/NDF:38.7/42

All: -0.001+/-0.006 χ^2/NDF: 76.5/81



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

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

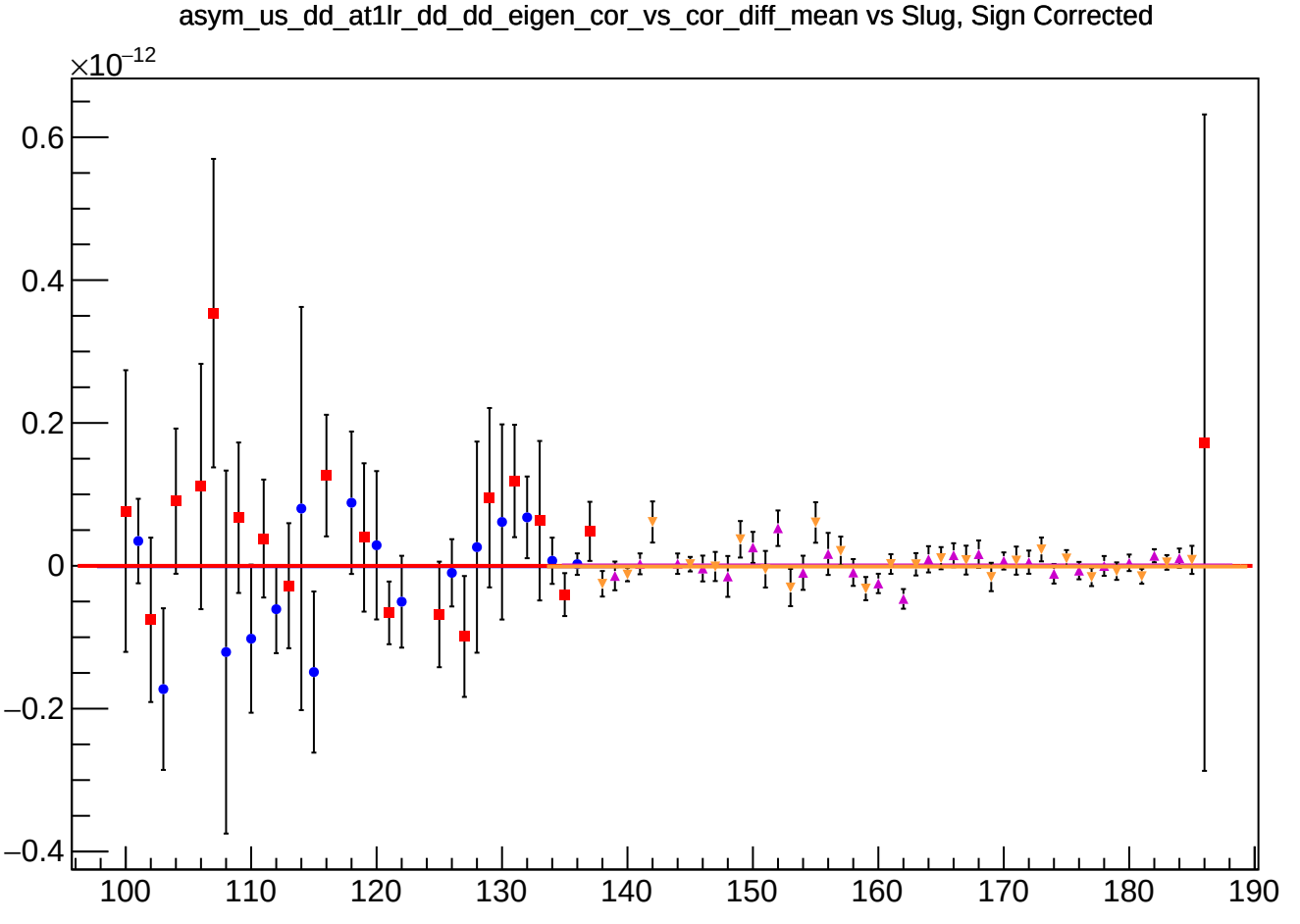
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 38.825+/-0.008 χ^2/NDF: 3730655.9/34

In: 41.118+/-0.006 χ^2/NDF:2827756.2/38

Out: 40.752+/-0.006 χ^2/NDF:4226757.6/42

All: 40.936+/-0.005 χ^2/NDF: 7056124.4/81



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

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

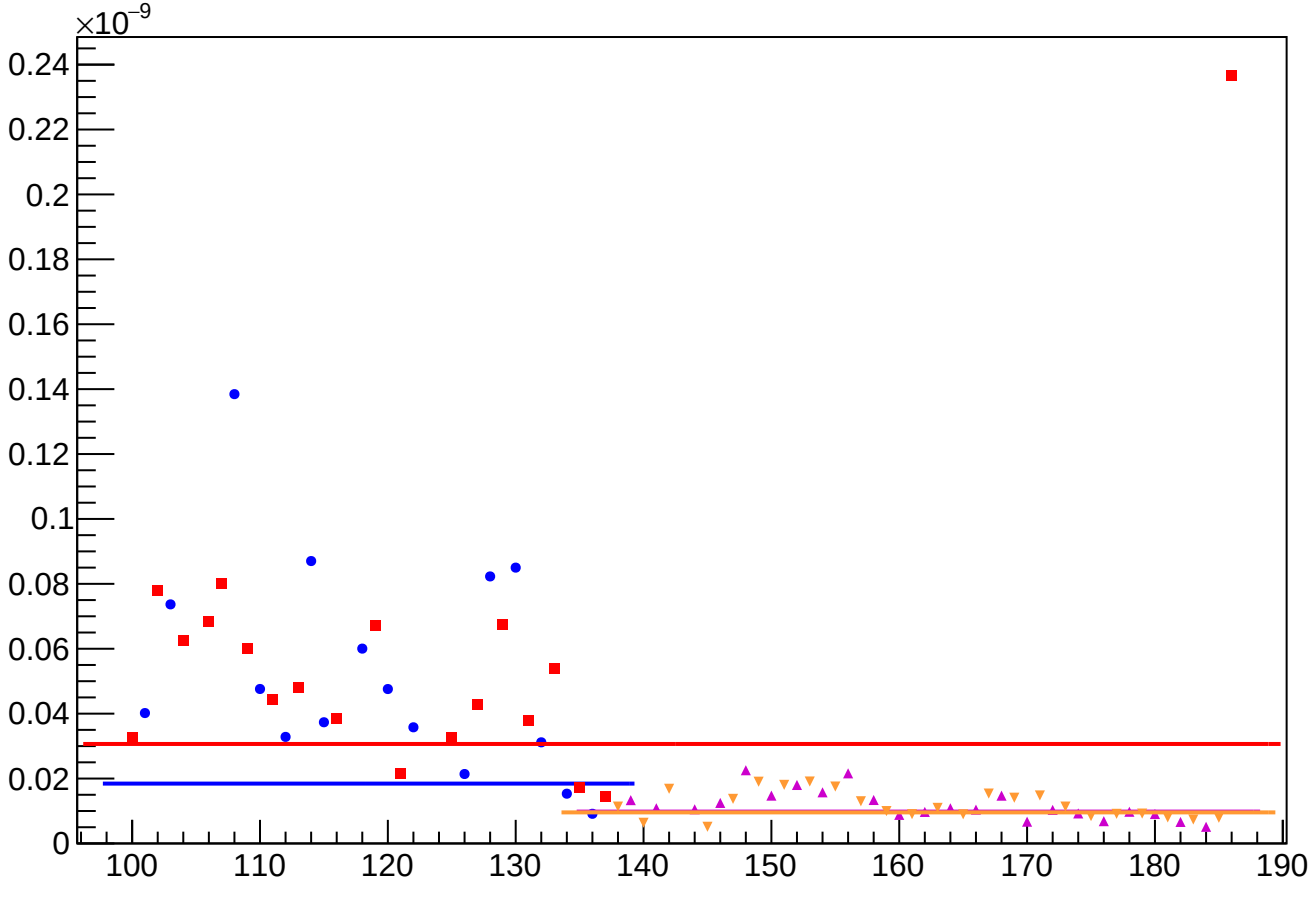
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

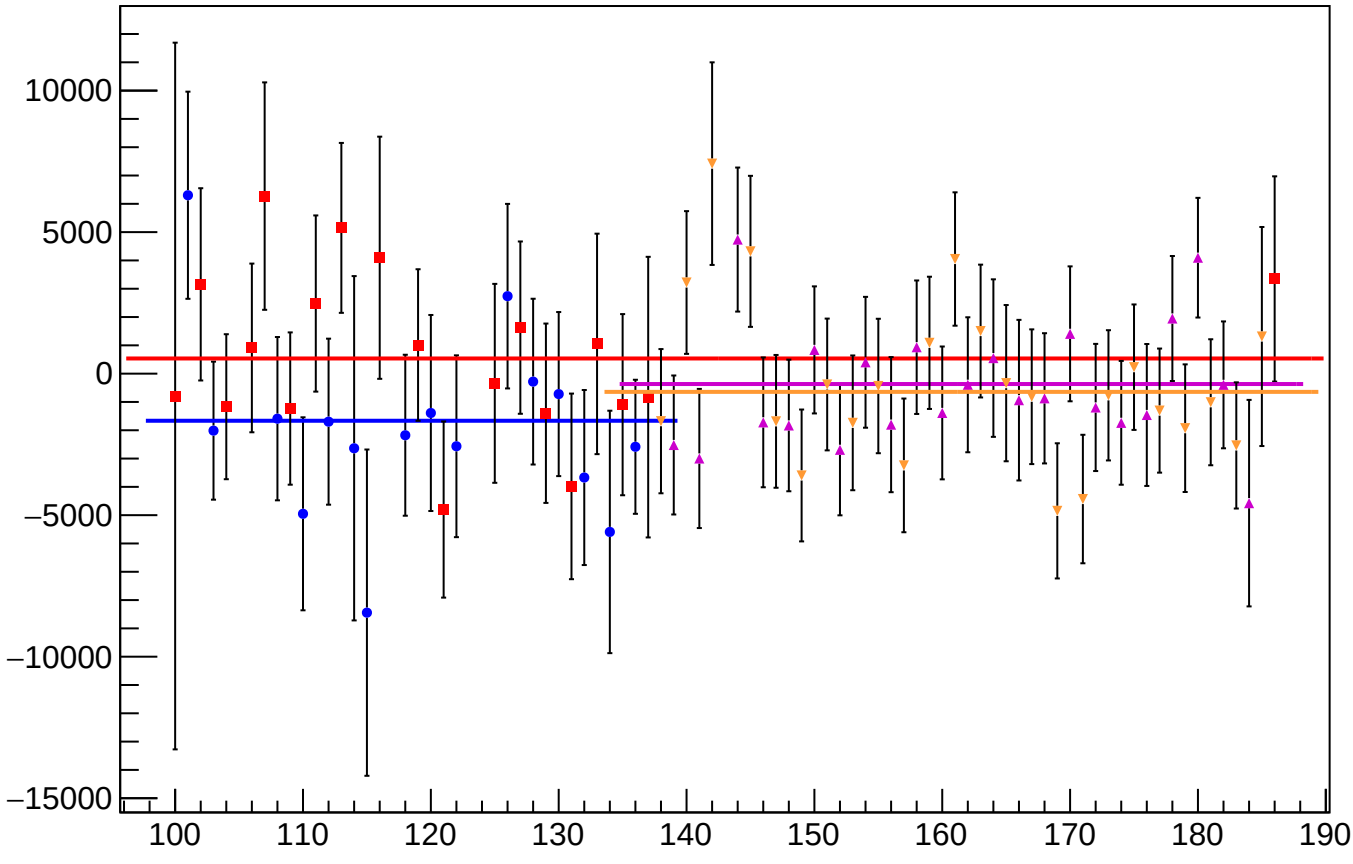
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:38.2/38

Out: -0.000+/-0.000 χ^2/NDF:48.0/42

All: -0.000+/-0.000 χ^2/NDF: 86.3/81


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:2445128.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 2789416.6/18
Left In: 0.000+/-0.000 χ²/NDF:2250638.6/22
Left: 0.000+/-0.000 χ²/NDF: 4701887.7/46
Right: 0.000+/-0.000 χ²/NDF: 7550309.4/34
In: 0.000+/-0.000 χ²/NDF:7308918.8/38
Out: 0.000+/-0.000 χ²/NDF:8408381.5/42
All: 0.000+/-0.000 χ²/NDF: 15719465.6/81



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

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

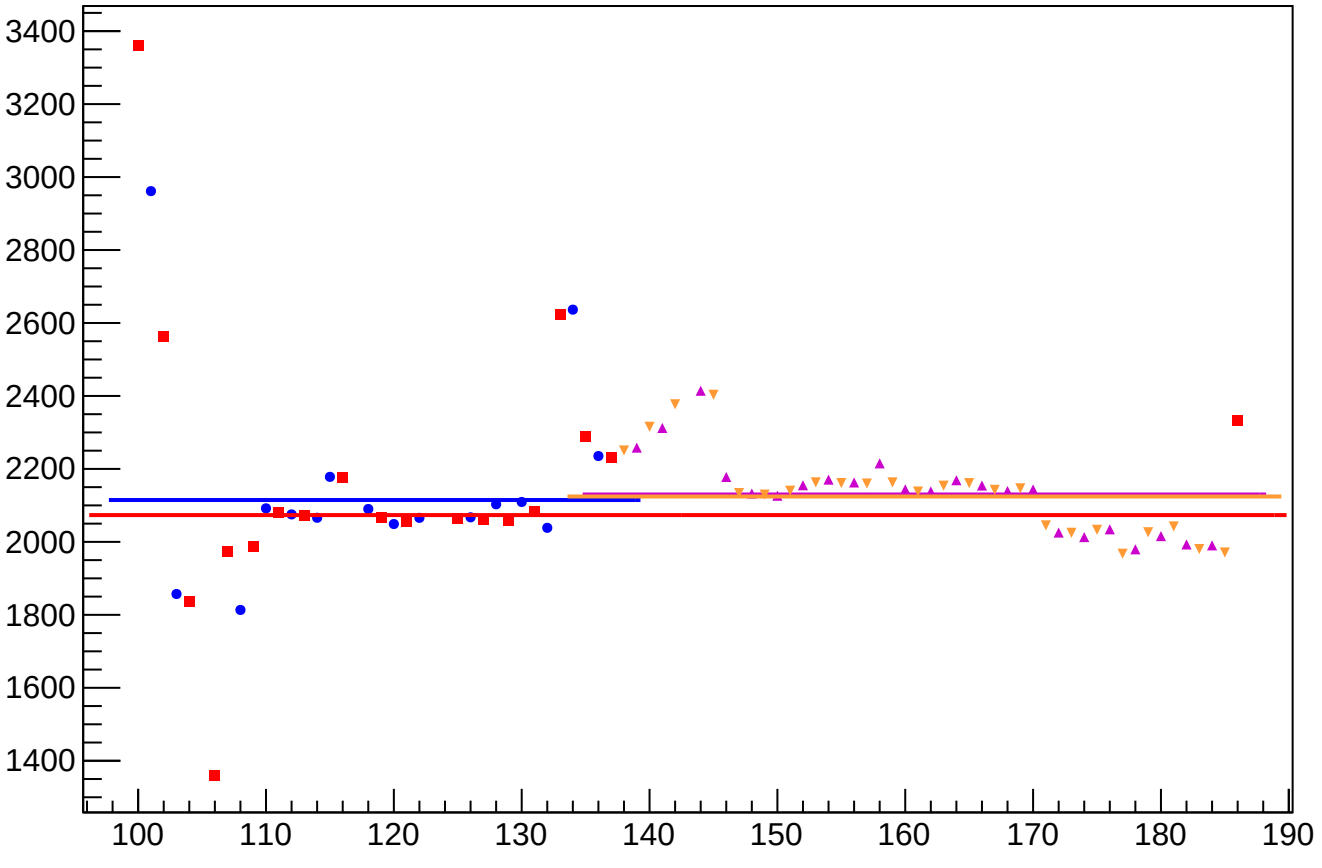
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -518.436+/-548.379 χ^2/NDF: 28.2/34

In: -734.195+/-421.546 χ^2/NDF:30.0/38

Out: -293.649+/-413.986 χ^2/NDF:42.2/42

All: -509.936+/-295.369 χ^2/NDF: 72.8/81



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

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

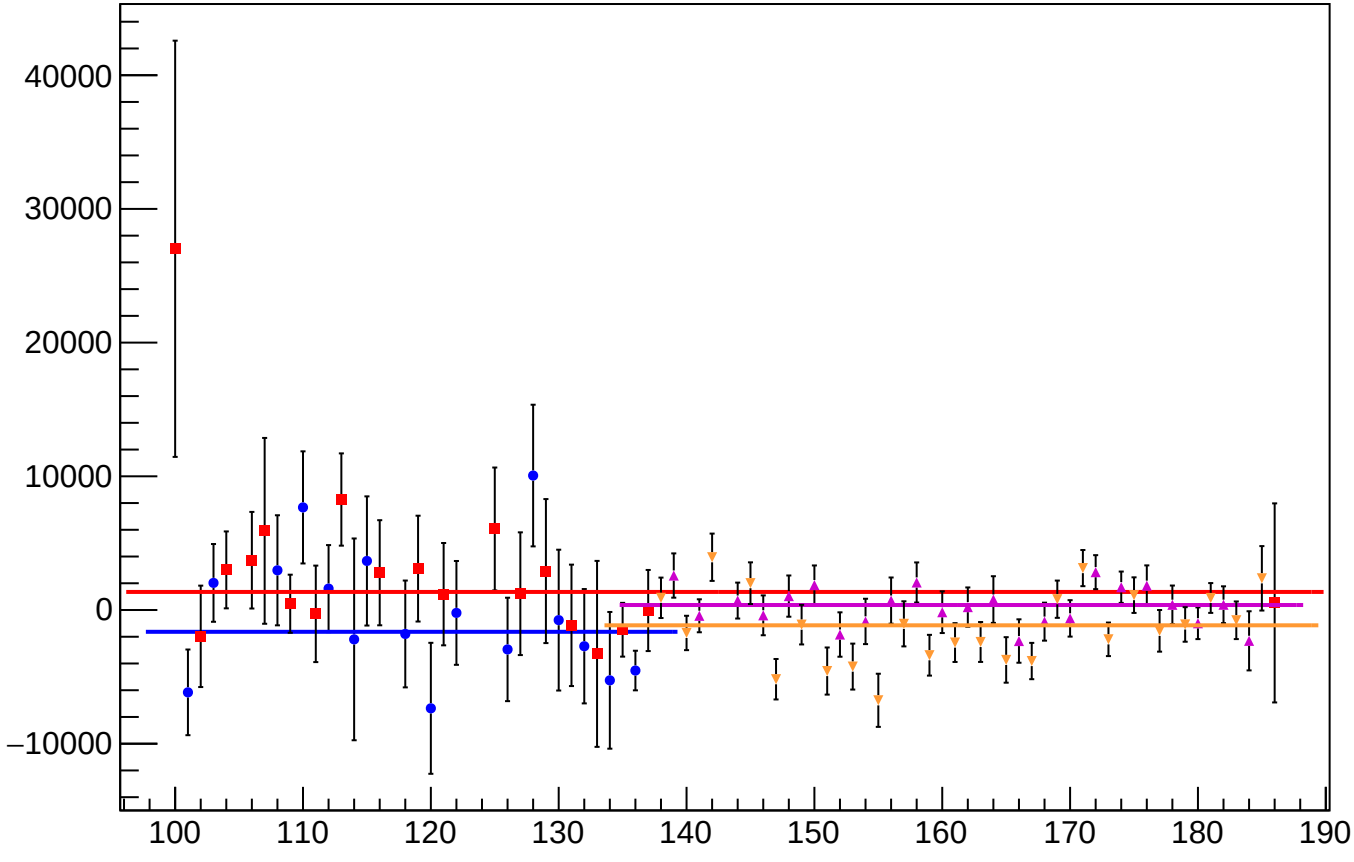
Right: 2093.244+/-0.388 χ^2/NDF: 452592.8/34

In: 2125.609+/-0.298 χ^2/NDF:275798.8/38

Out: 2109.304+/-0.293 χ^2/NDF:355356.3/42

All: 2117.309+/-0.209 χ^2/NDF: 632678.3/81

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -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

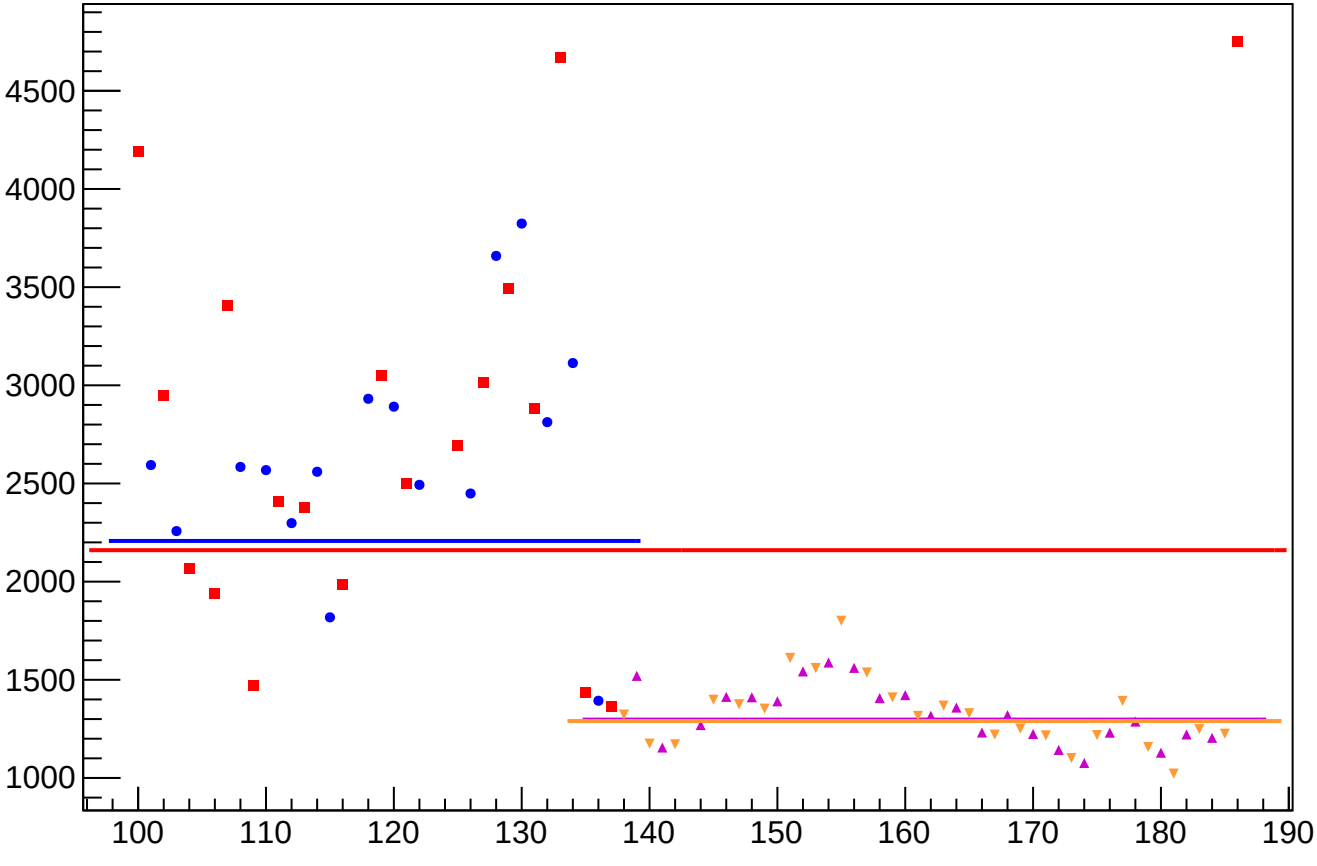
Right: -91.597+/-599.935 χ^2/NDF: 42.5/34

In: 150.053+/-287.864 χ^2/NDF:48.0/38

Out: -855.305+/-284.406 χ^2/NDF:88.9/42

All: -358.700+/-202.317 χ^2/NDF: 143.0/81

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 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

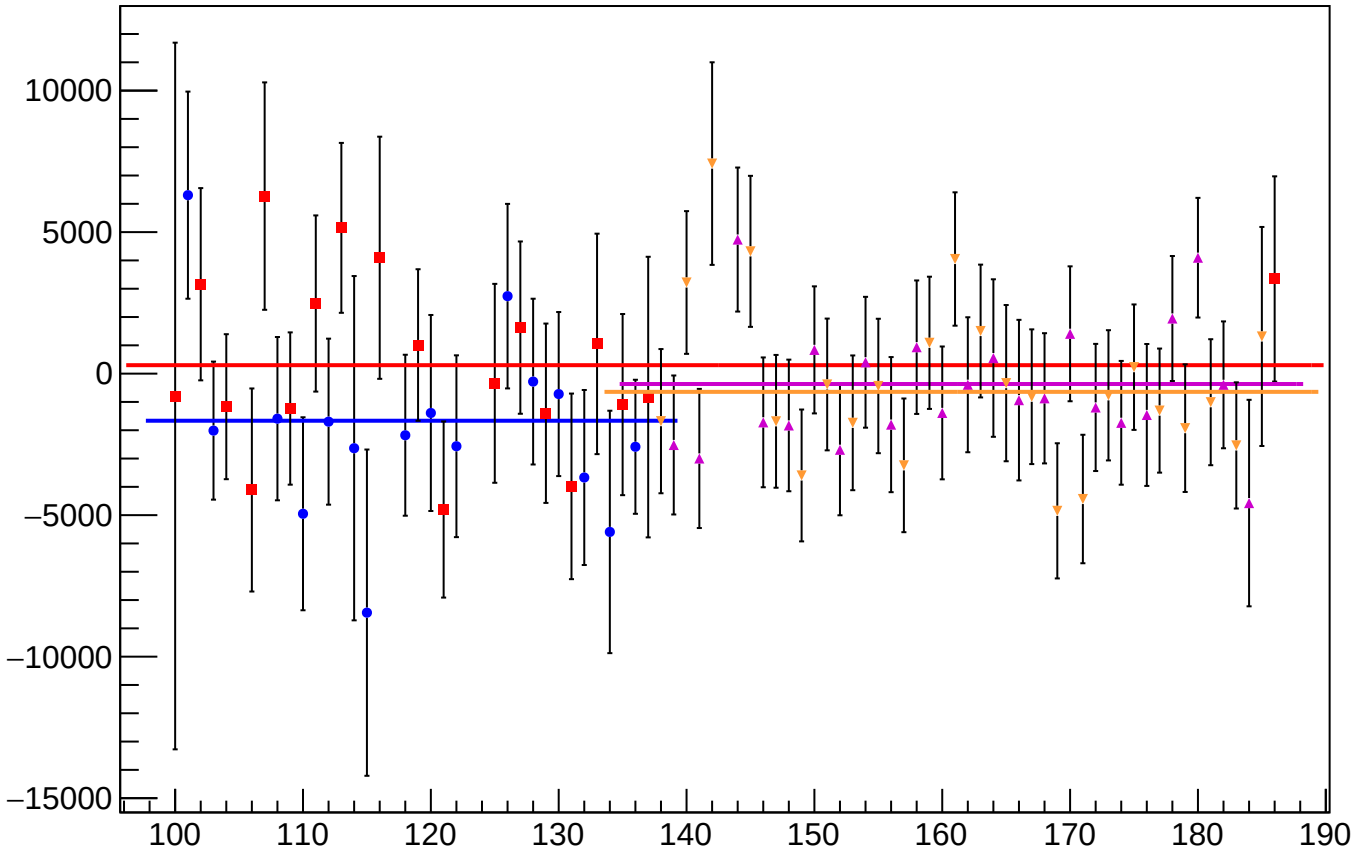
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2182.985+/-0.424 χ^2/NDF: 2955510.8/34

In: 1398.819+/-0.204 χ^2/NDF:3661079.5/38

Out: 1390.956+/-0.201 χ^2/NDF:4190847.4/42

All: 1394.840+/-0.143 χ^2/NDF: 7852682.1/81



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

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

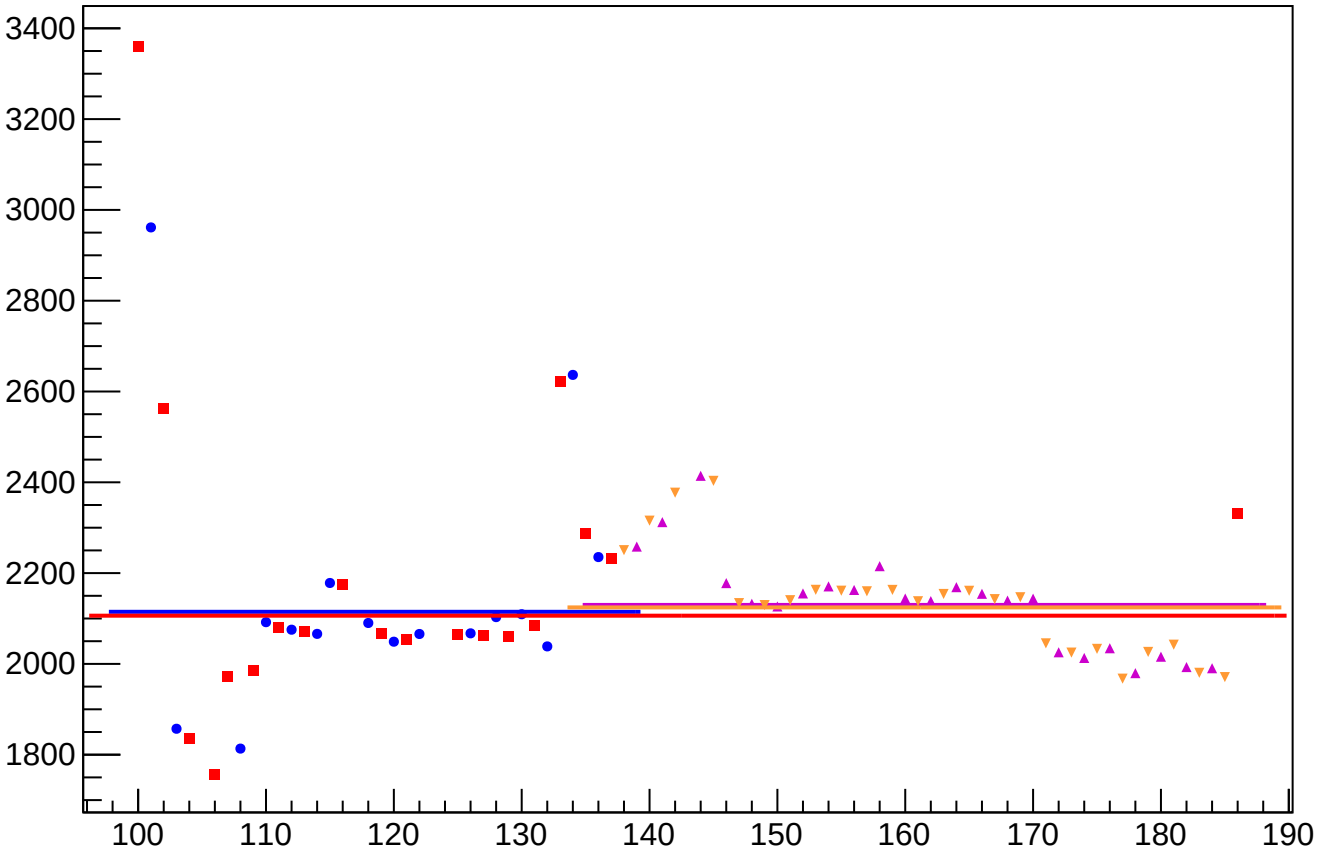
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -651.892+/-551.280 χ^2/NDF: 28.9/34

In: -734.095+/-421.546 χ^2/NDF:30.0/38

Out: -367.932+/-415.230 χ^2/NDF:43.1/42

All: -548.250+/-295.820 χ^2/NDF: 73.5/81



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

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

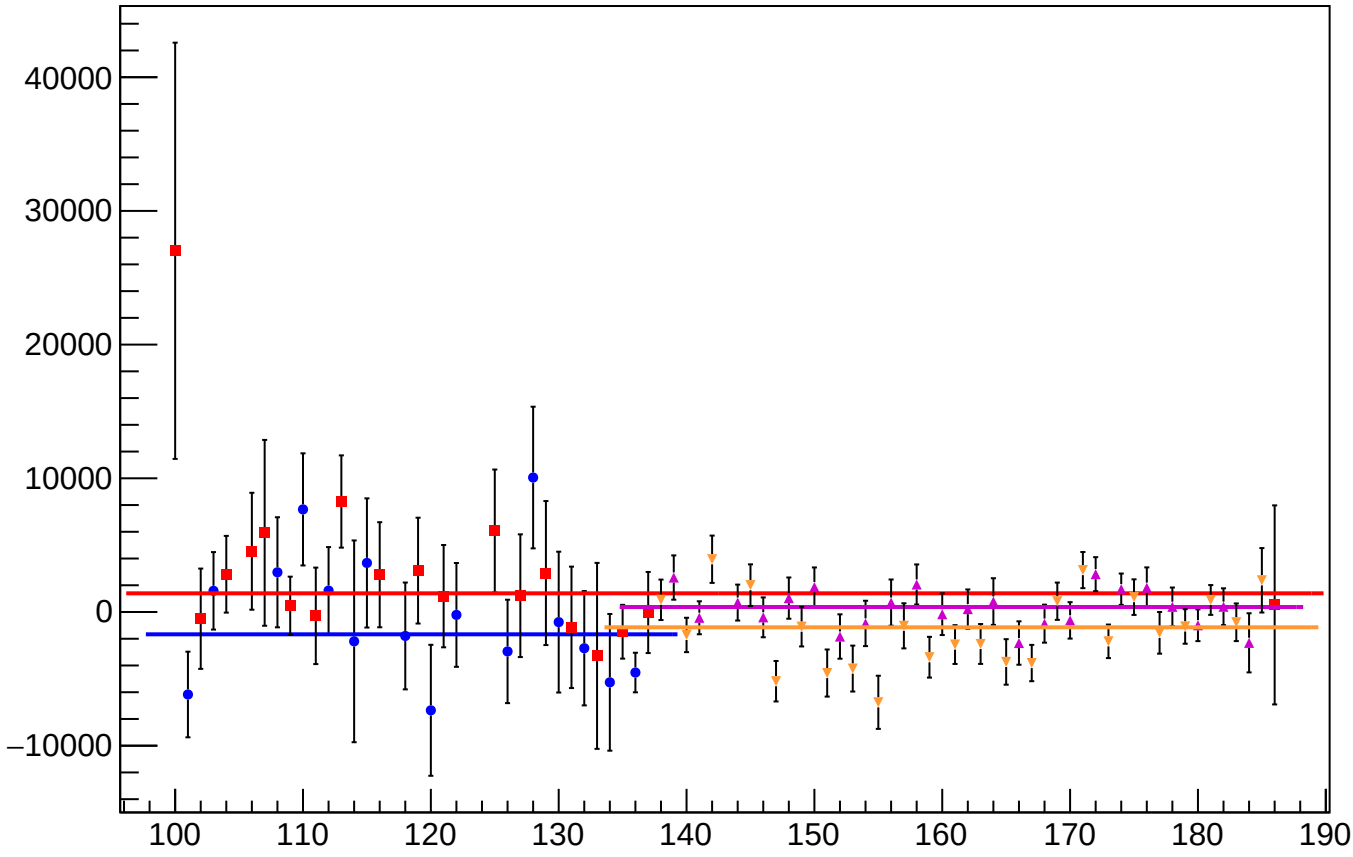
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2110.345+/-0.390 χ^2/NDF: 347536.0/34

In: 2125.609+/-0.298 χ^2/NDF:275799.1/38

Out: 2119.103+/-0.294 χ^2/NDF:247477.1/42

All: 2122.307+/-0.209 χ^2/NDF: 523518.0/81



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

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

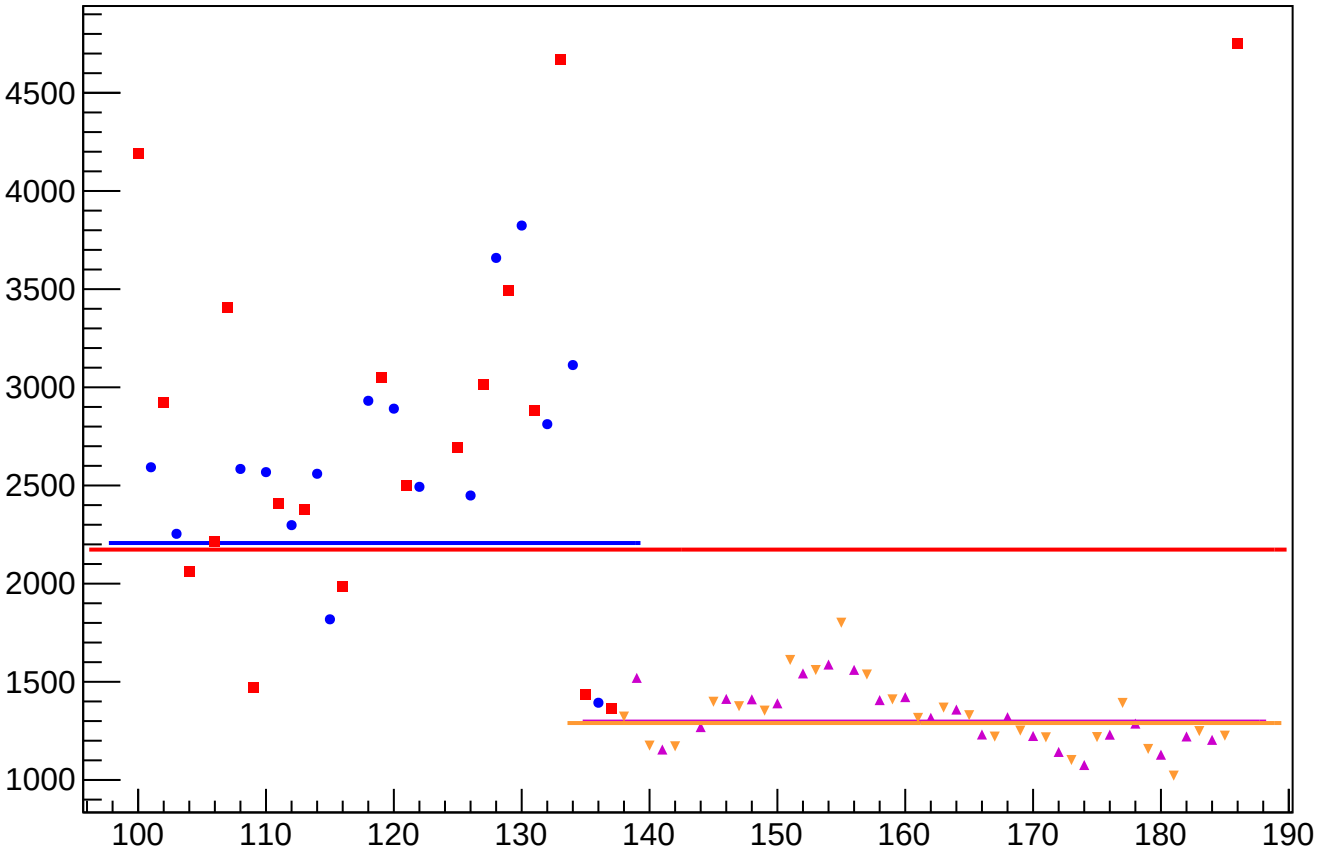
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -99.004+/-602.241 χ^2/NDF: 42.0/34

In: 145.578+/-287.854 χ^2/NDF:47.8/38

Out: -854.036+/-284.663 χ^2/NDF:88.6/42

All: -359.800+/-202.406 χ^2/NDF: 142.5/81



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

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

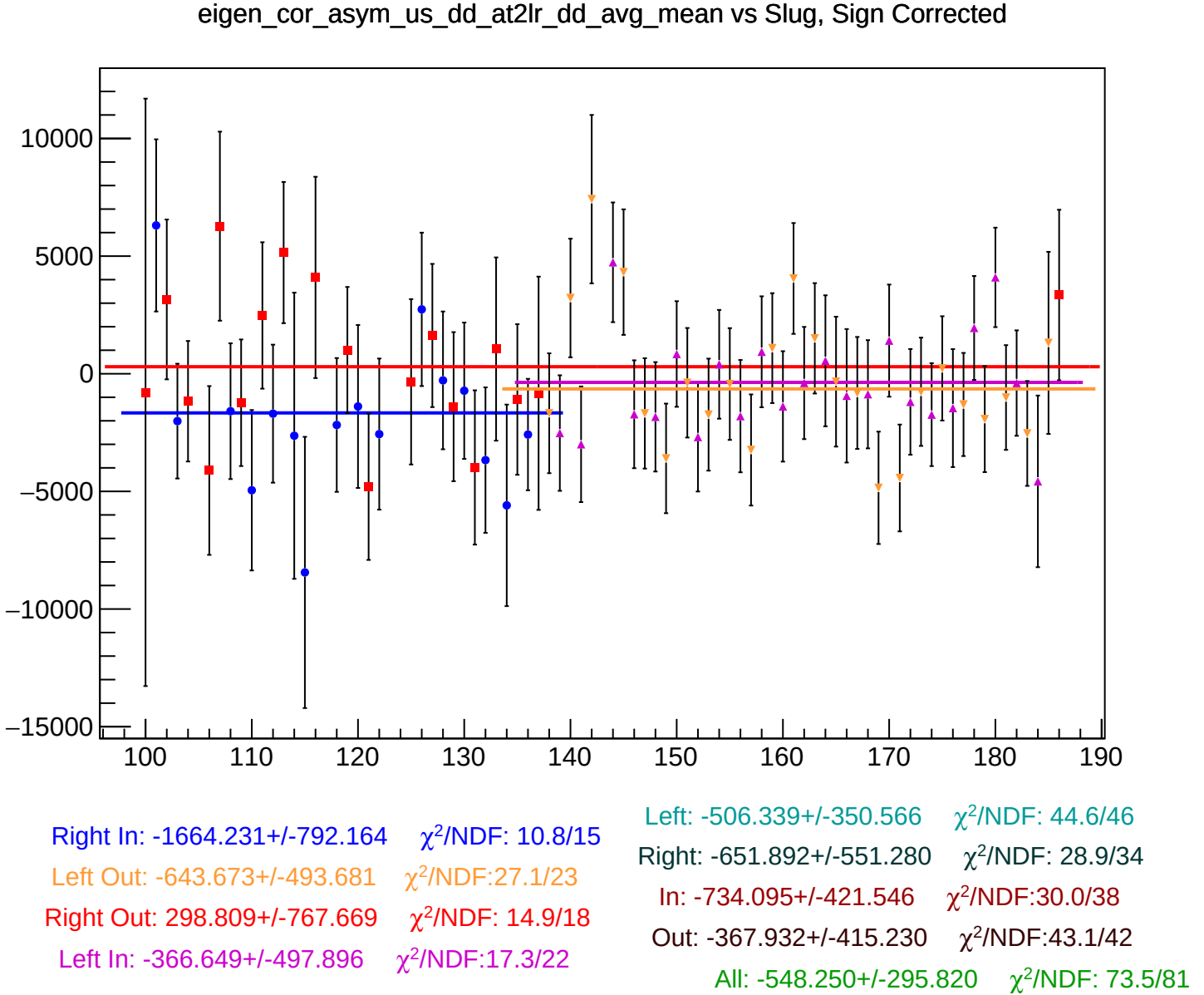
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

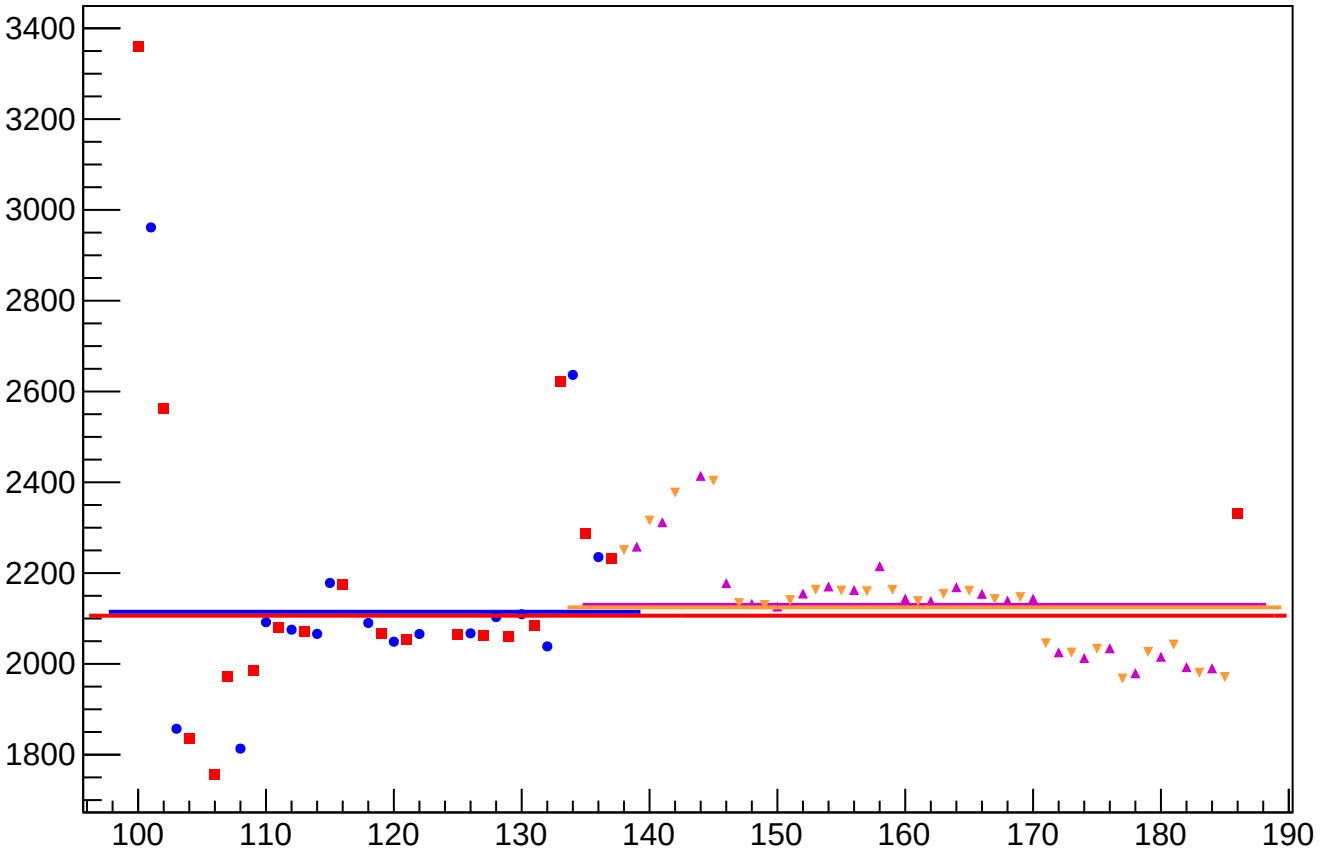
Right: 2189.765+/-0.426 χ^2/NDF: 2941626.4/34

In: 1398.846+/-0.204 χ^2/NDF:3660558.7/38

Out: 1391.096+/-0.201 χ^2/NDF:4210181.5/42

All: 1394.927+/-0.143 χ^2/NDF: 7871473.1/81


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 298.809+/-767.669 χ²/NDF: 14.9/18
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -651.892+/-551.280 χ²/NDF: 28.9/34
In: -734.095+/-421.546 χ²/NDF:30.0/38
Out: -367.932+/-415.230 χ²/NDF:43.1/42
All: -548.250+/-295.820 χ²/NDF: 73.5/81



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

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

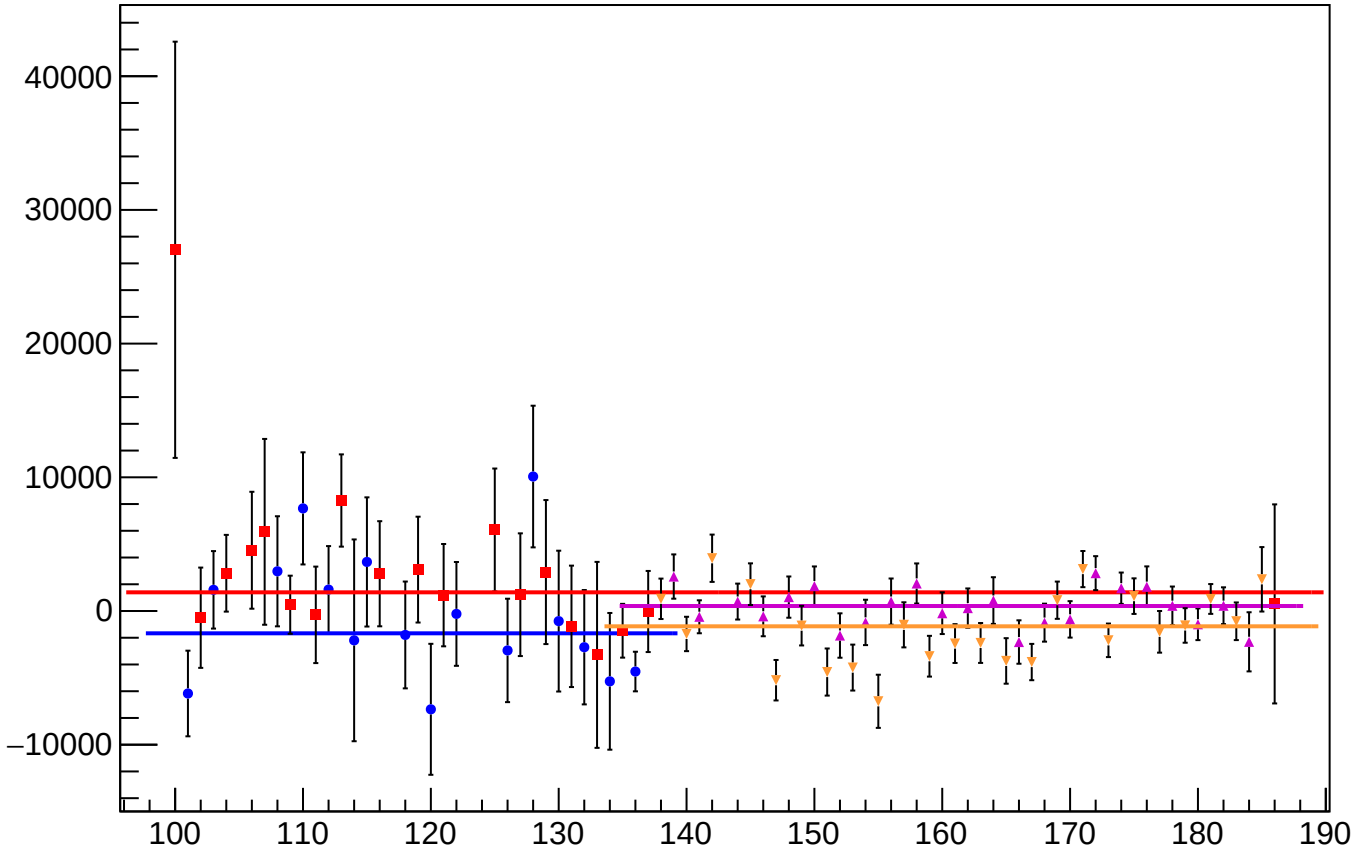
Right: 2110.345+/-0.390 χ^2/NDF: 347536.0/34

In: 2125.609+/-0.298 χ^2/NDF:275799.1/38

Out: 2119.103+/-0.294 χ^2/NDF:247477.1/42

All: 2122.307+/-0.209 χ^2/NDF: 523518.0/81

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -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

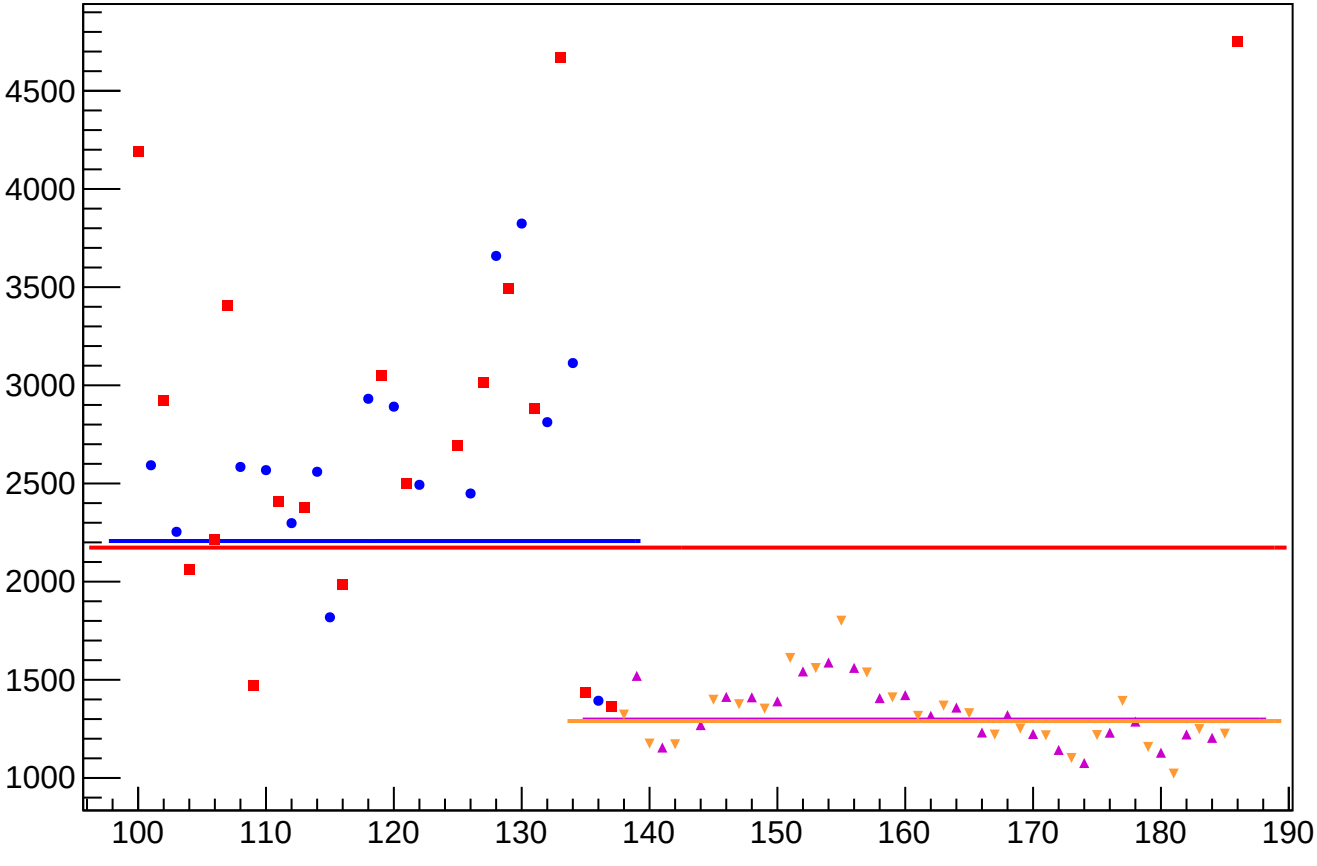
Right: -99.004+/-602.241 χ^2/NDF: 42.0/34

In: 145.578+/-287.854 χ^2/NDF:47.8/38

Out: -854.036+/-284.663 χ^2/NDF:88.6/42

All: -359.800+/-202.406 χ^2/NDF: 142.5/81

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 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

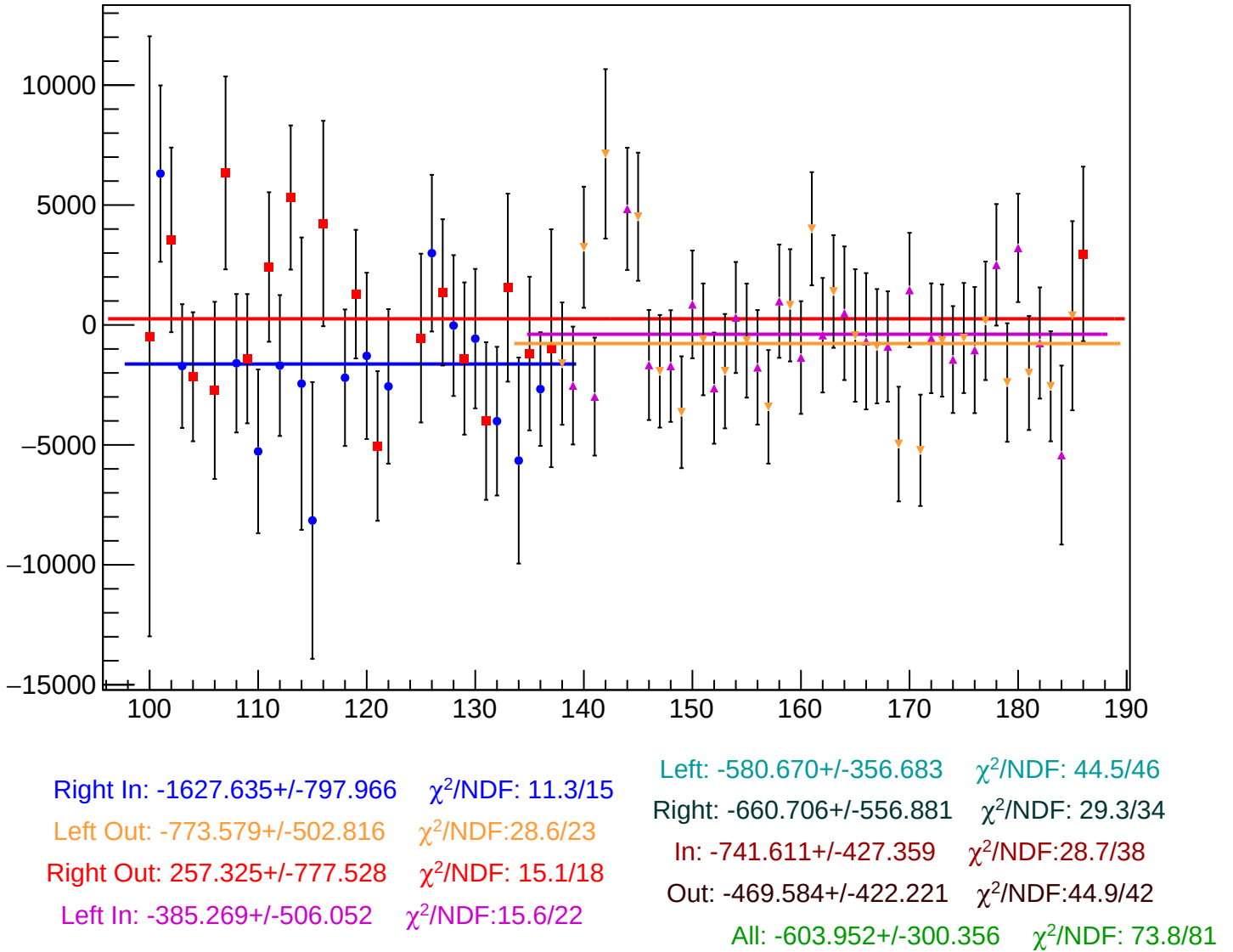
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2189.765+/-0.426 χ^2/NDF: 2941626.4/34

In: 1398.846+/-0.204 χ^2/NDF:3660558.7/38

Out: 1391.096+/-0.201 χ^2/NDF:4210181.5/42

All: 1394.927+/-0.143 χ^2/NDF: 7871473.1/81


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
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−15000
100
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140
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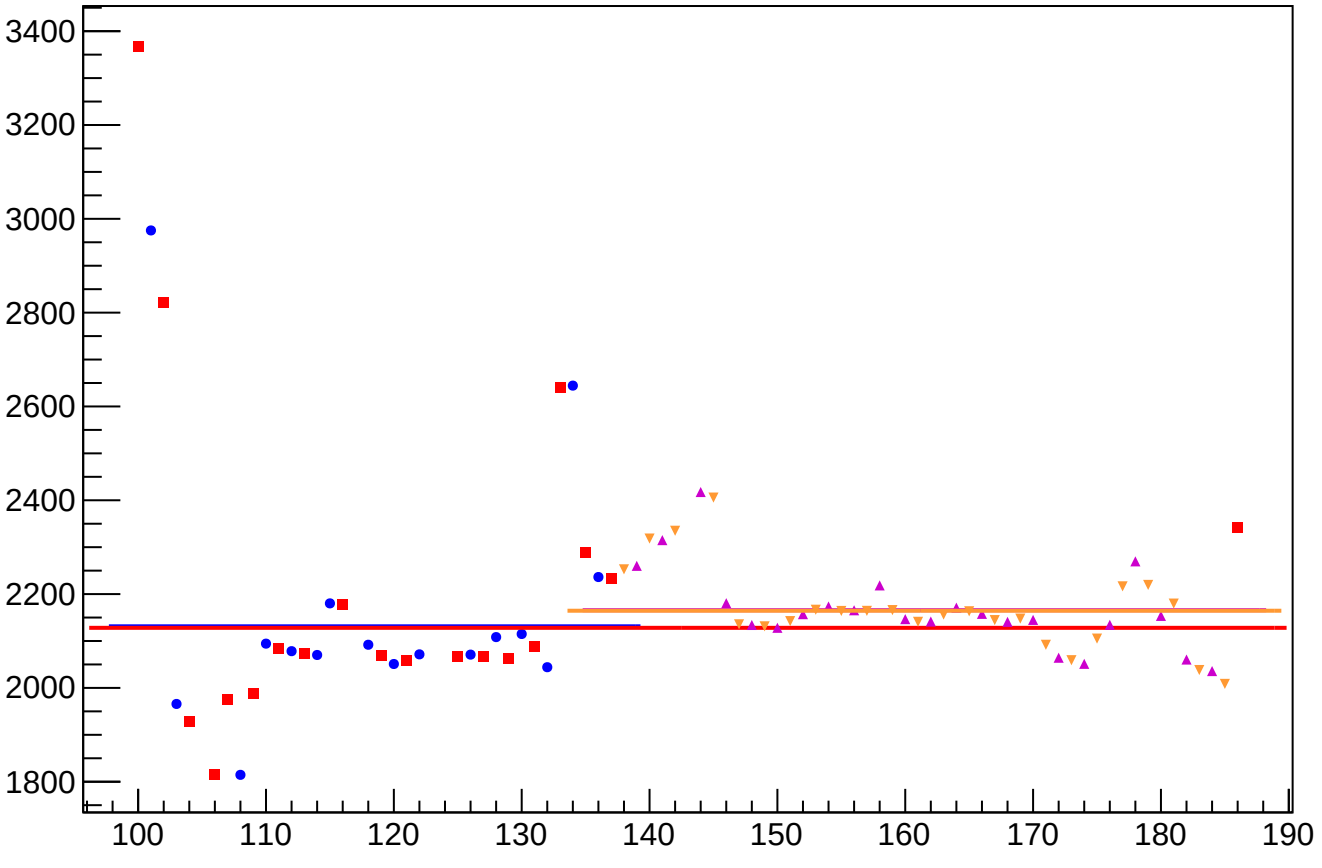
160
170
180
190
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 257.325+/-777.528 χ²/NDF: 15.1/18
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -660.706+/-556.881 χ²/NDF: 29.3/34
In: -741.611+/-427.359 χ²/NDF:28.7/38
Out: -469.584+/-422.221 χ²/NDF:44.9/42
All: -603.952+/-300.356 χ²/NDF: 73.8/81



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

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

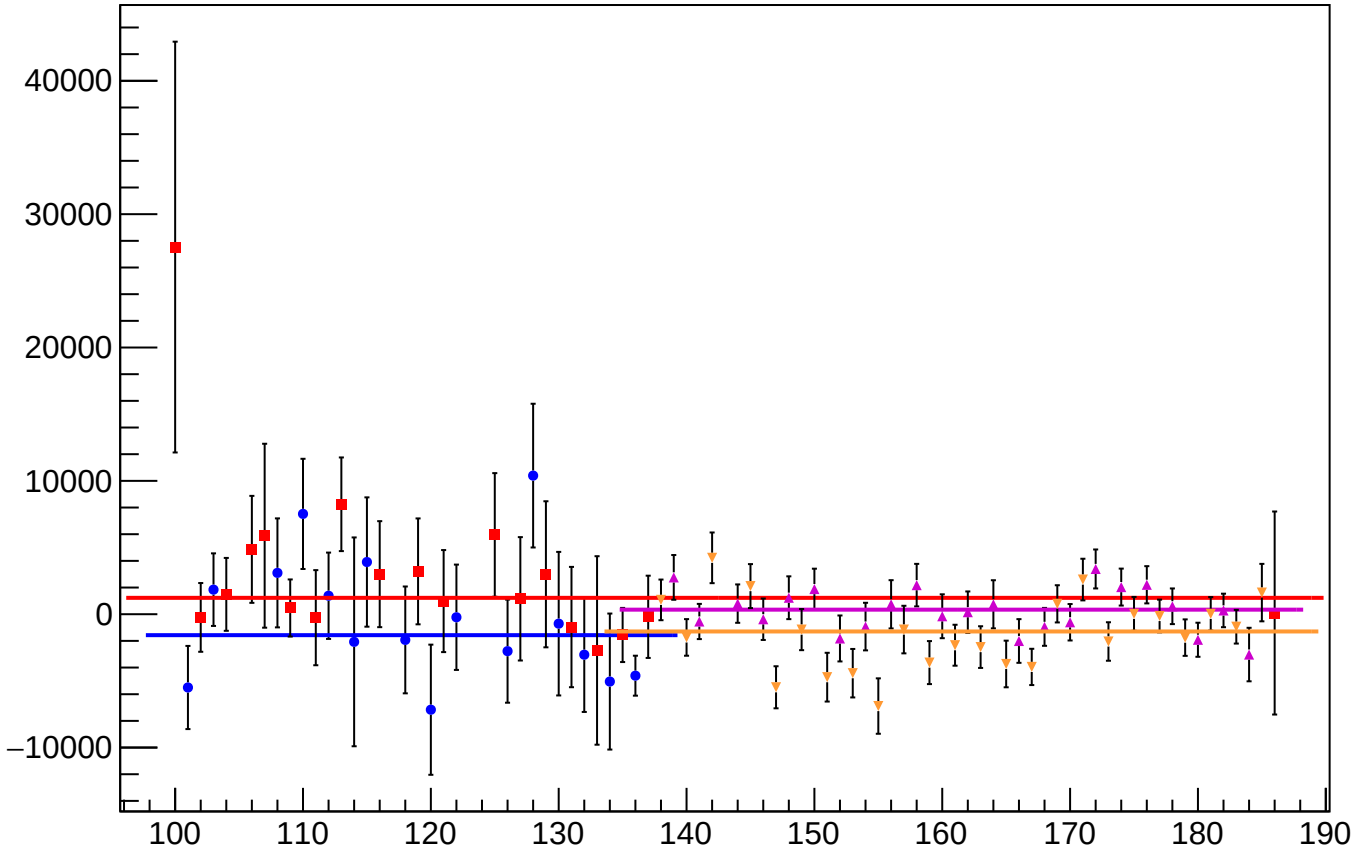
Right: 2129.644+/-0.394 χ^2/NDF: 346790.2/34

In: 2155.792+/-0.302 χ^2/NDF:230710.1/38

Out: 2153.781+/-0.299 χ^2/NDF:224607.1/42

All: 2154.775+/-0.212 χ^2/NDF: 455339.6/81

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1227.808+/-815.064 χ^2/NDF: 13.1/18

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

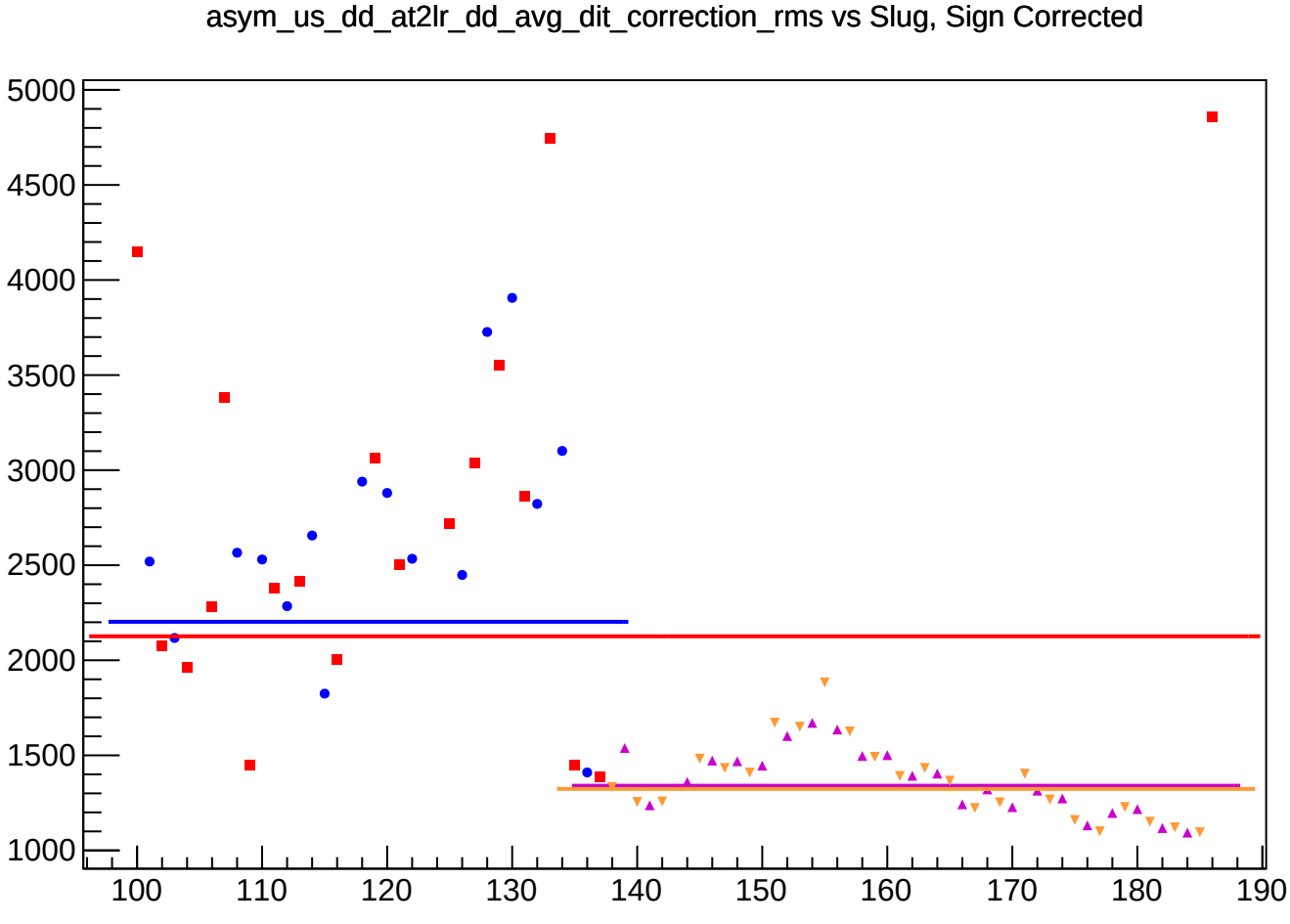
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -97.001+/-591.505 χ^2/NDF: 41.3/34

In: 114.217+/-296.241 χ^2/NDF:51.7/38

Out: -973.938+/-290.258 χ^2/NDF:80.1/42

All: -440.961+/-207.326 χ^2/NDF: 138.8/81



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

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

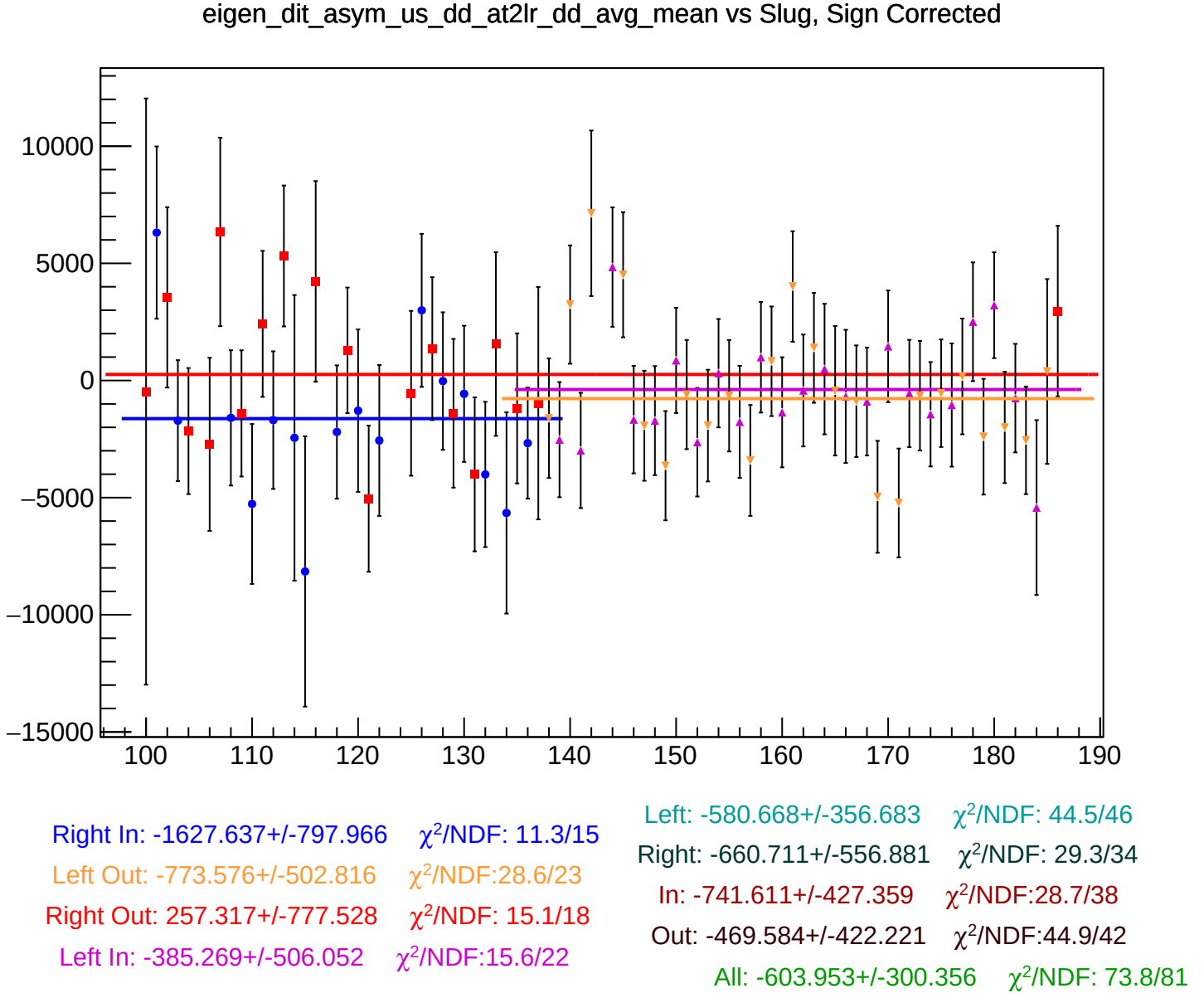
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2162.210+/-0.418 χ^2/NDF: 2865272.4/34

In: 1442.461+/-0.209 χ^2/NDF:3490212.7/38

Out: 1425.201+/-0.205 χ^2/NDF:3991691.8/42

All: 1433.655+/-0.147 χ^2/NDF: 7485368.2/81


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−15000
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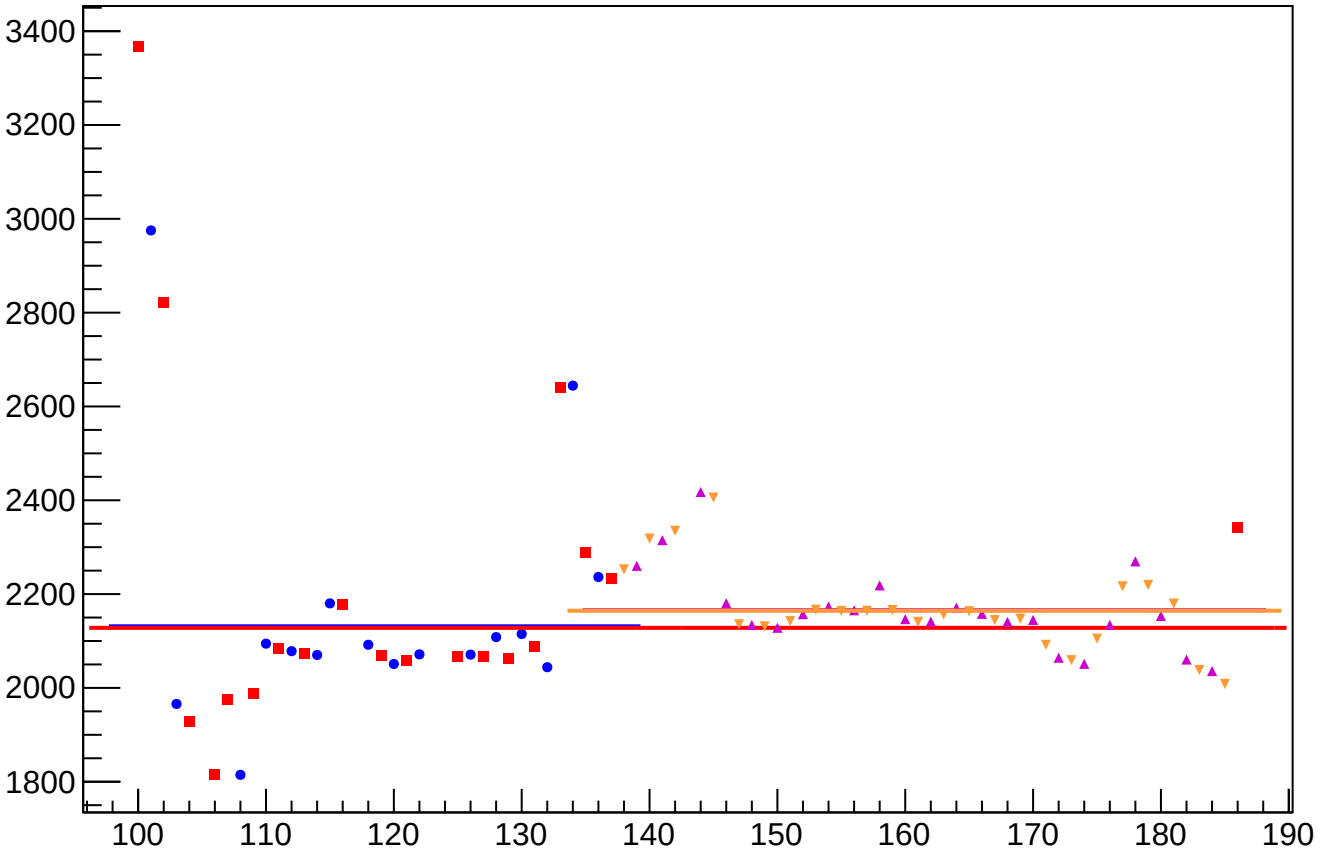
170
180
190
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 257.317+/-777.528 χ²/NDF: 15.1/18
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -660.711+/-556.881 χ²/NDF: 29.3/34
In: -741.611+/-427.359 χ²/NDF:28.7/38
Out: -469.584+/-422.221 χ²/NDF:44.9/42
All: -603.953+/-300.356 χ²/NDF: 73.8/81



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

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

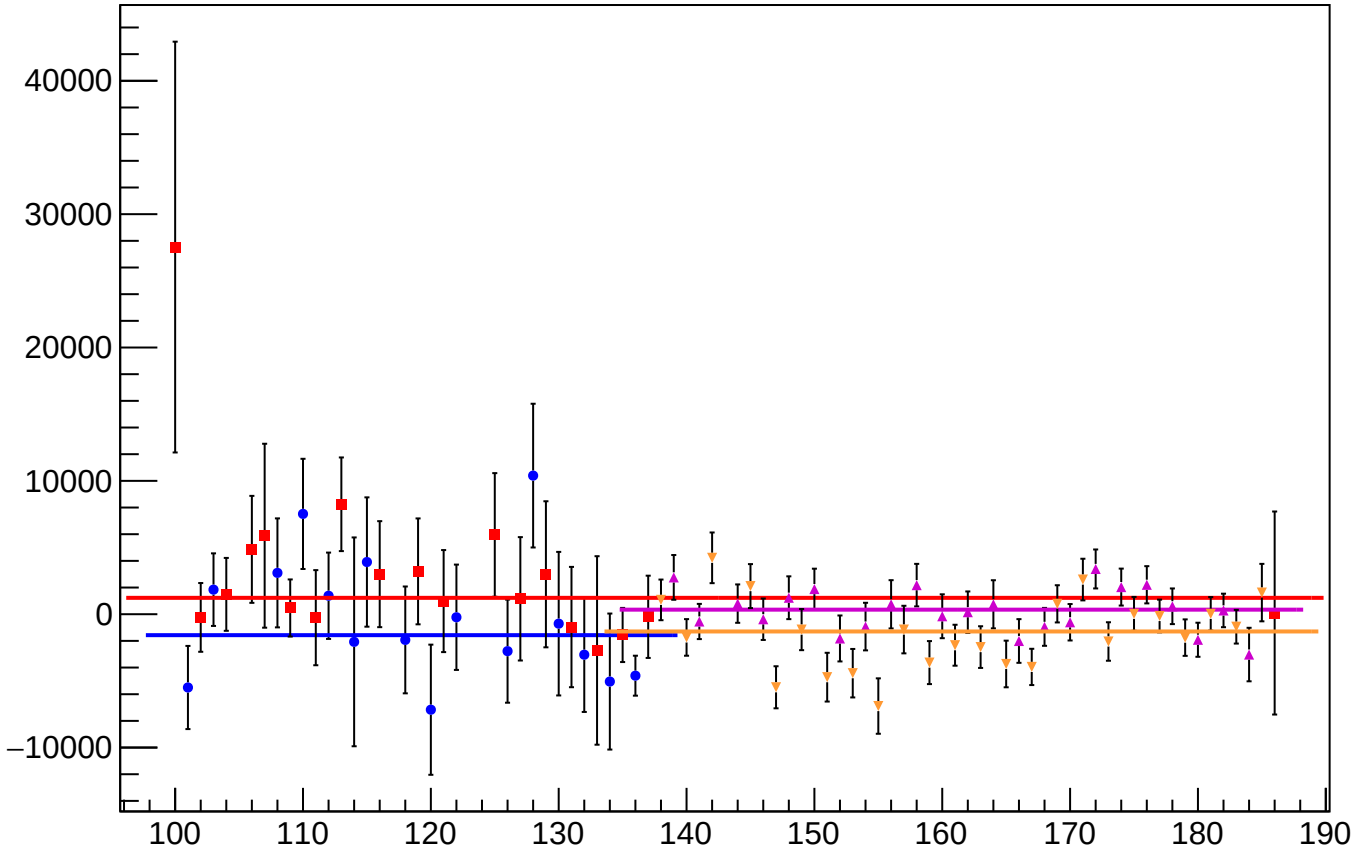
Right: 2129.644+/-0.394 χ^2/NDF: 346790.1/34

In: 2155.792+/-0.302 χ^2/NDF:230710.0/38

Out: 2153.781+/-0.299 χ^2/NDF:224607.0/42

All: 2154.774+/-0.212 χ^2/NDF: 455339.4/81

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1227.822+/-815.067 χ^2/NDF: 13.1/18

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

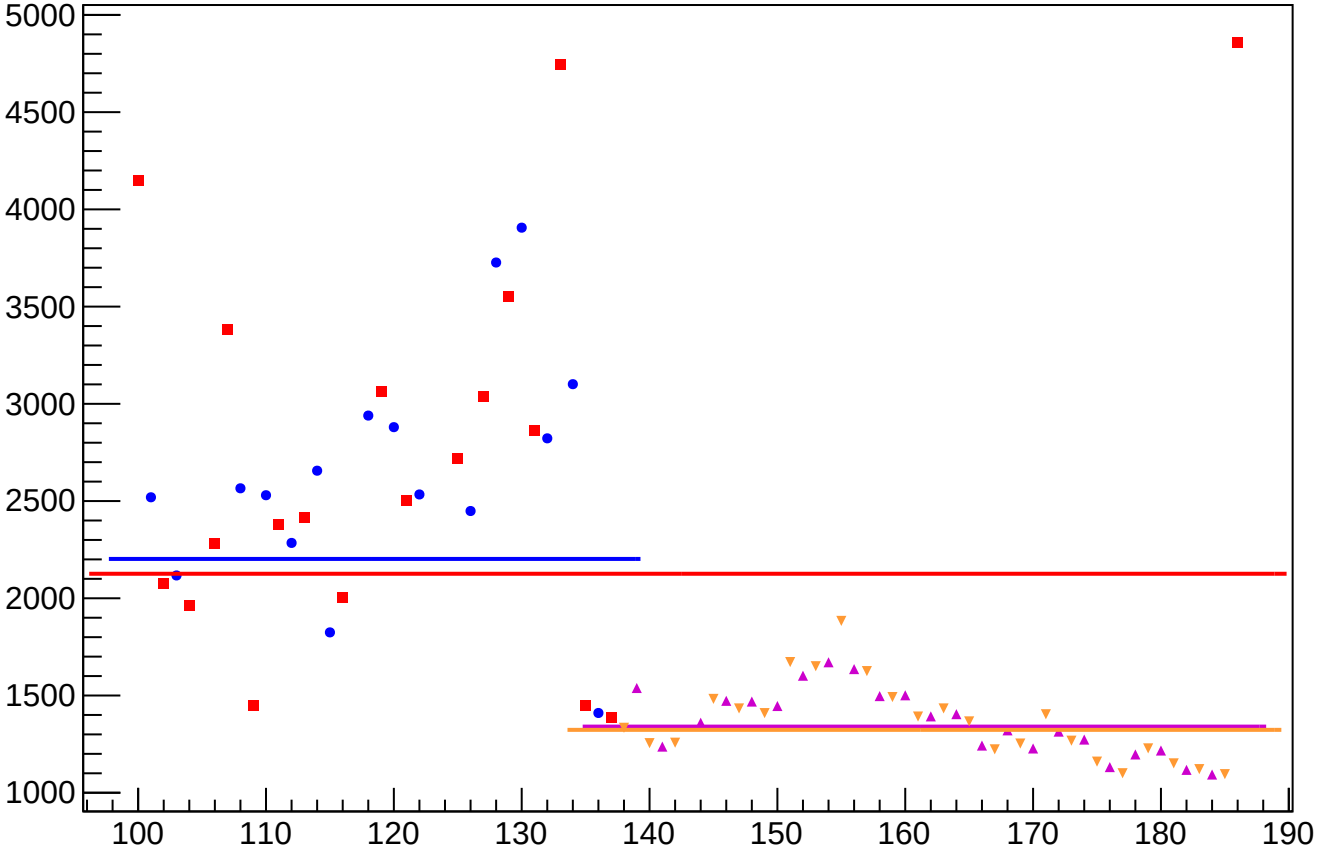
Right: -96.988+/-591.507 χ^2/NDF: 41.3/34

In: 114.218+/-296.241 χ^2/NDF:51.7/38

Out: -973.939+/-290.258 χ^2/NDF:80.1/42

All: -440.961+/-207.326 χ^2/NDF: 138.8/81

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 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

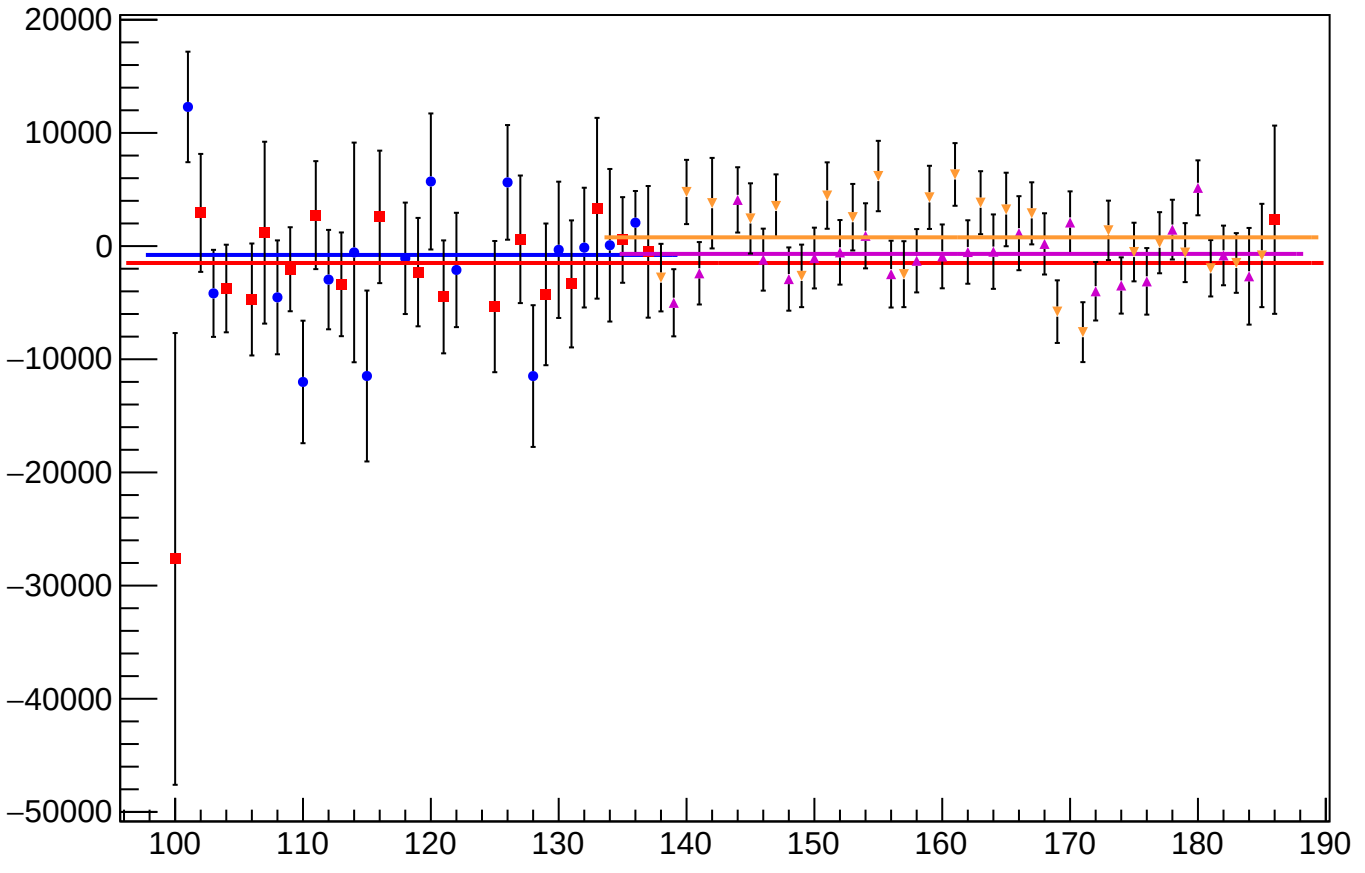
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2162.223+/-0.418 χ^2/NDF: 2865162.5/34

In: 1442.460+/-0.209 χ^2/NDF:3490208.4/38

Out: 1425.202+/-0.205 χ^2/NDF:3991681.6/42

All: 1433.655+/-0.147 χ^2/NDF: 7485353.1/81



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1492.551+/-1206.078 χ^2/NDF: 6.9/18

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

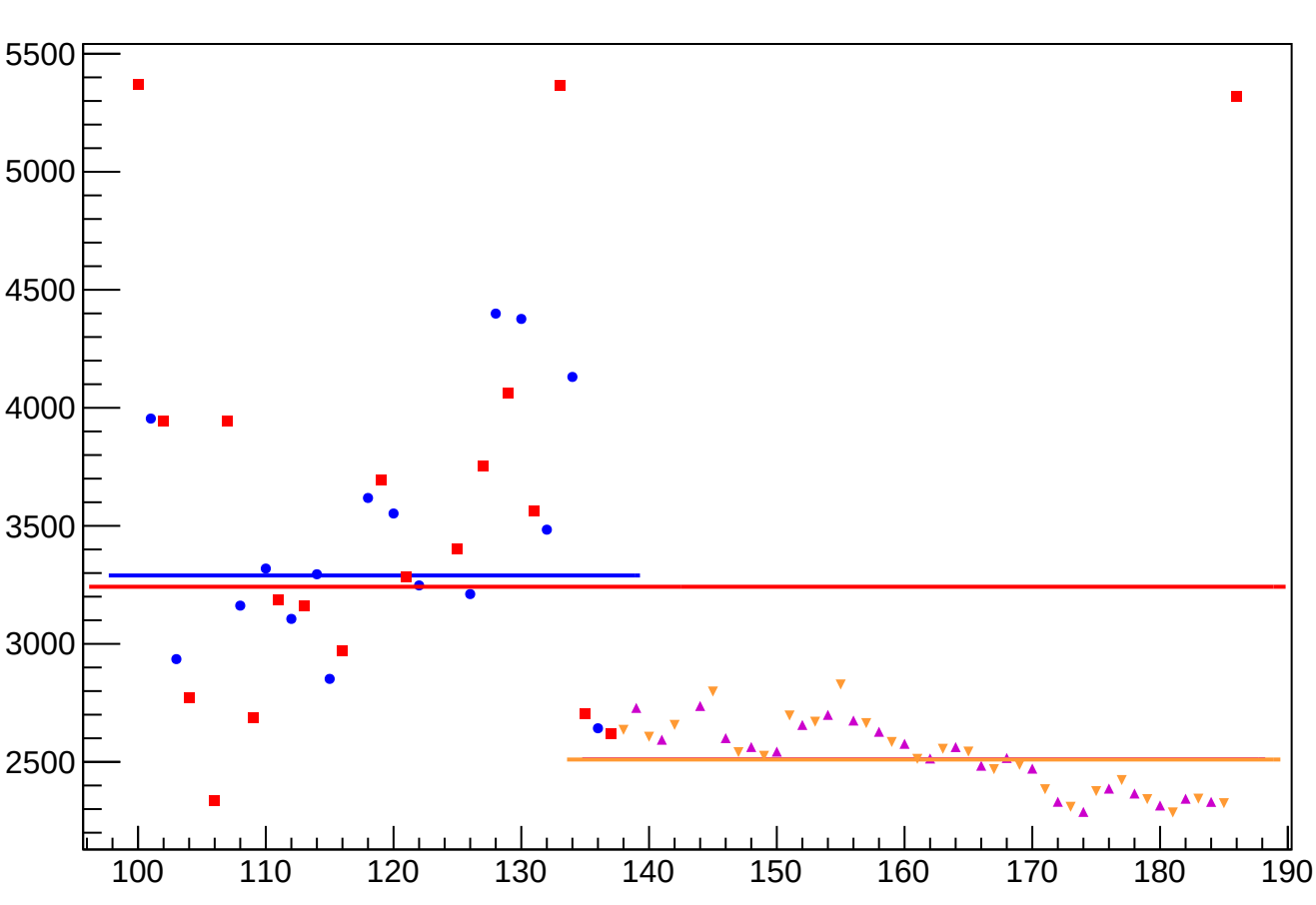
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1147.432+/-865.149 χ^2/NDF: 29.0/34

In: -706.739+/-531.007 χ^2/NDF:40.2/38

Out: 344.516+/-525.398 χ^2/NDF:49.2/42

All: -175.530+/-373.480 χ^2/NDF: 91.4/81



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

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

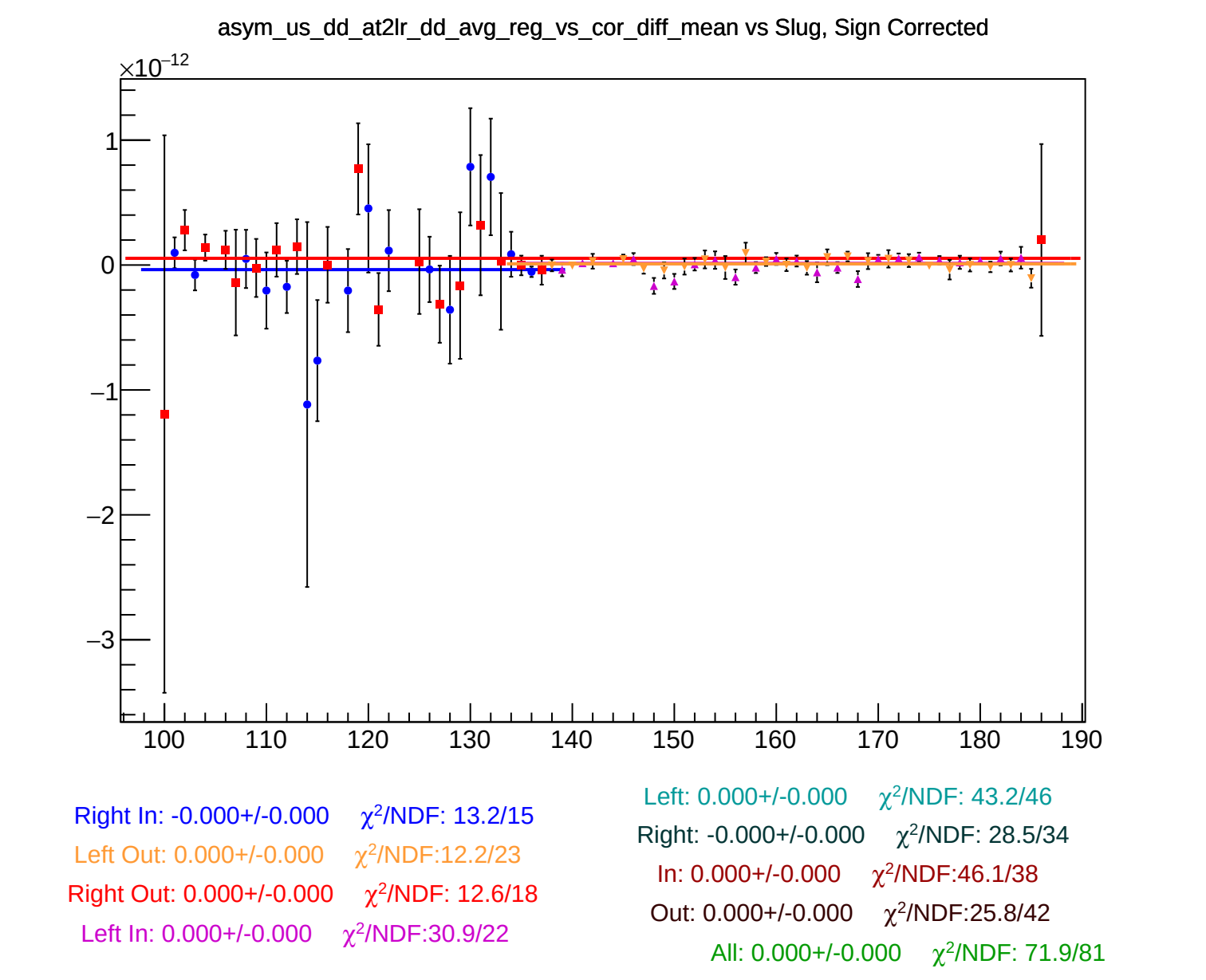
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

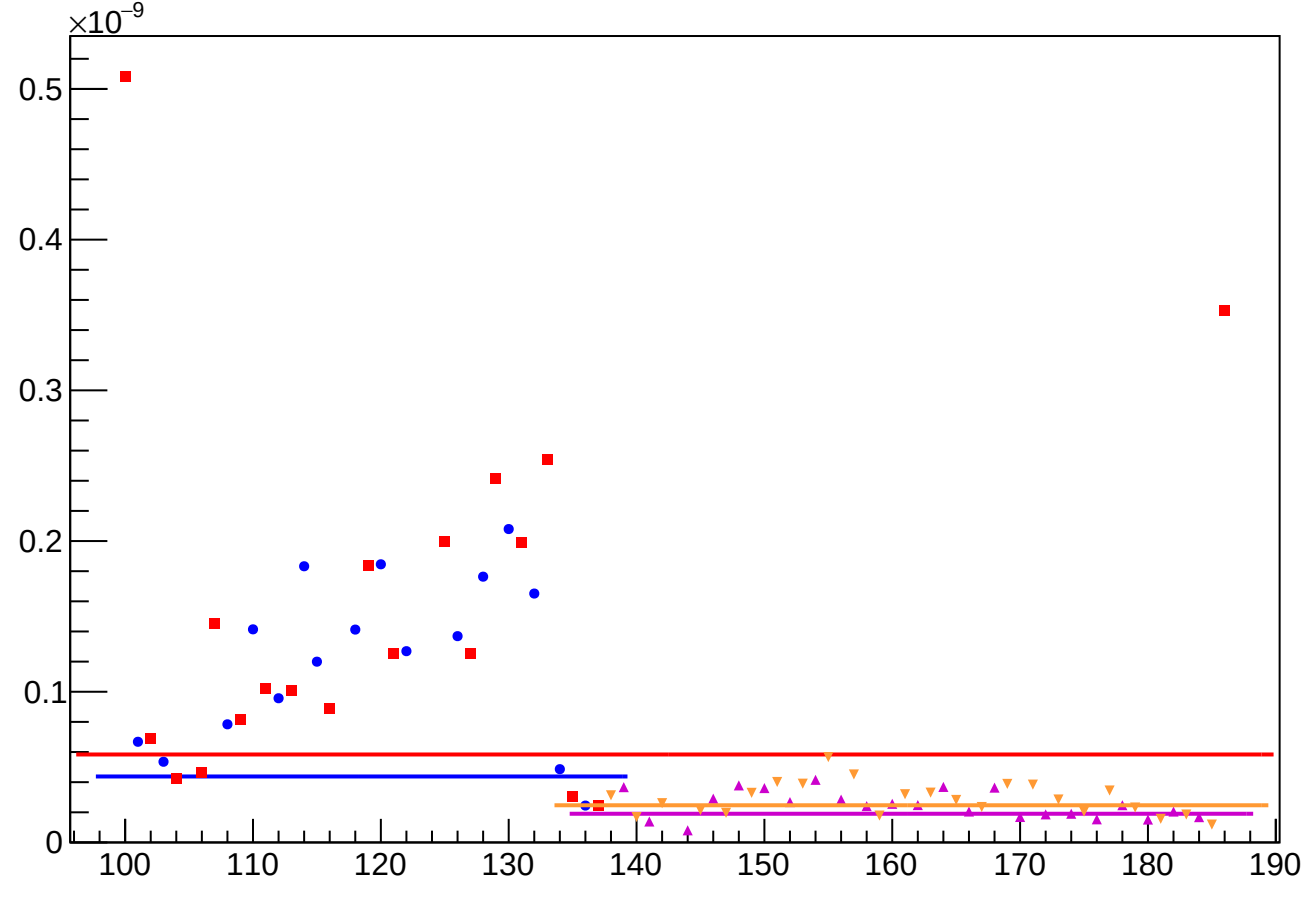
Right: 3265.139+/-0.612 χ^2/NDF: 976407.7/34

In: 2653.905+/-0.375 χ^2/NDF:1102765.2/38

Out: 2648.966+/-0.372 χ^2/NDF:1352704.2/42

All: 2651.409+/-0.264 χ^2/NDF: 2455556.9/81


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: 13.2/15
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: 28.5/34
In: 0.000+/-0.000 χ²/NDF:46.1/38
Out: 0.000+/-0.000 χ²/NDF:25.8/42
All: 0.000+/-0.000 χ²/NDF: 71.9/81



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

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

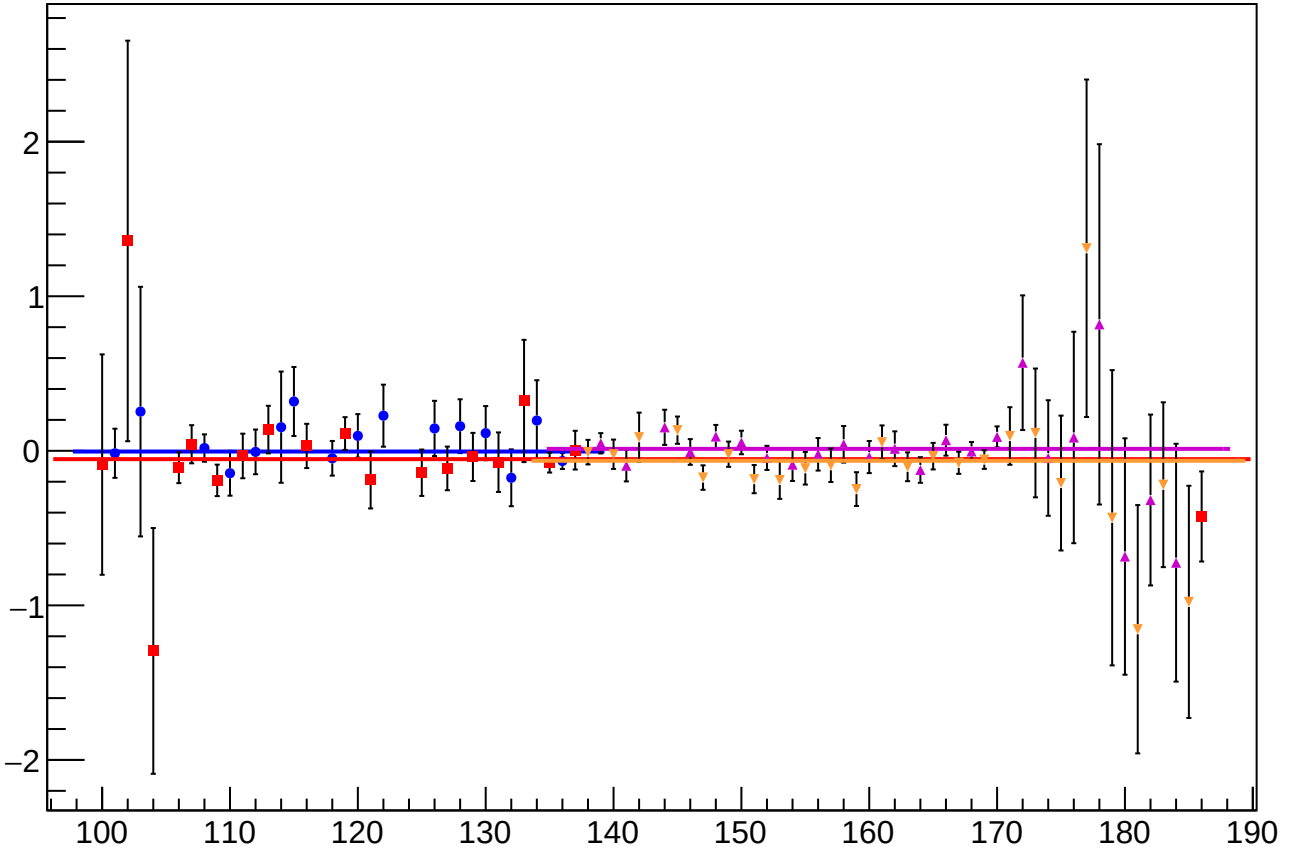
Right: 0.000+/-0.000 χ^2/NDF: 4749256.7/34

In: 0.000+/-0.000 χ^2/NDF:5394622.3/38

Out: 0.000+/-0.000 χ^2/NDF:4946242.4/42

All: 0.000+/-0.000 χ^2/NDF: 10768637.2/81

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-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

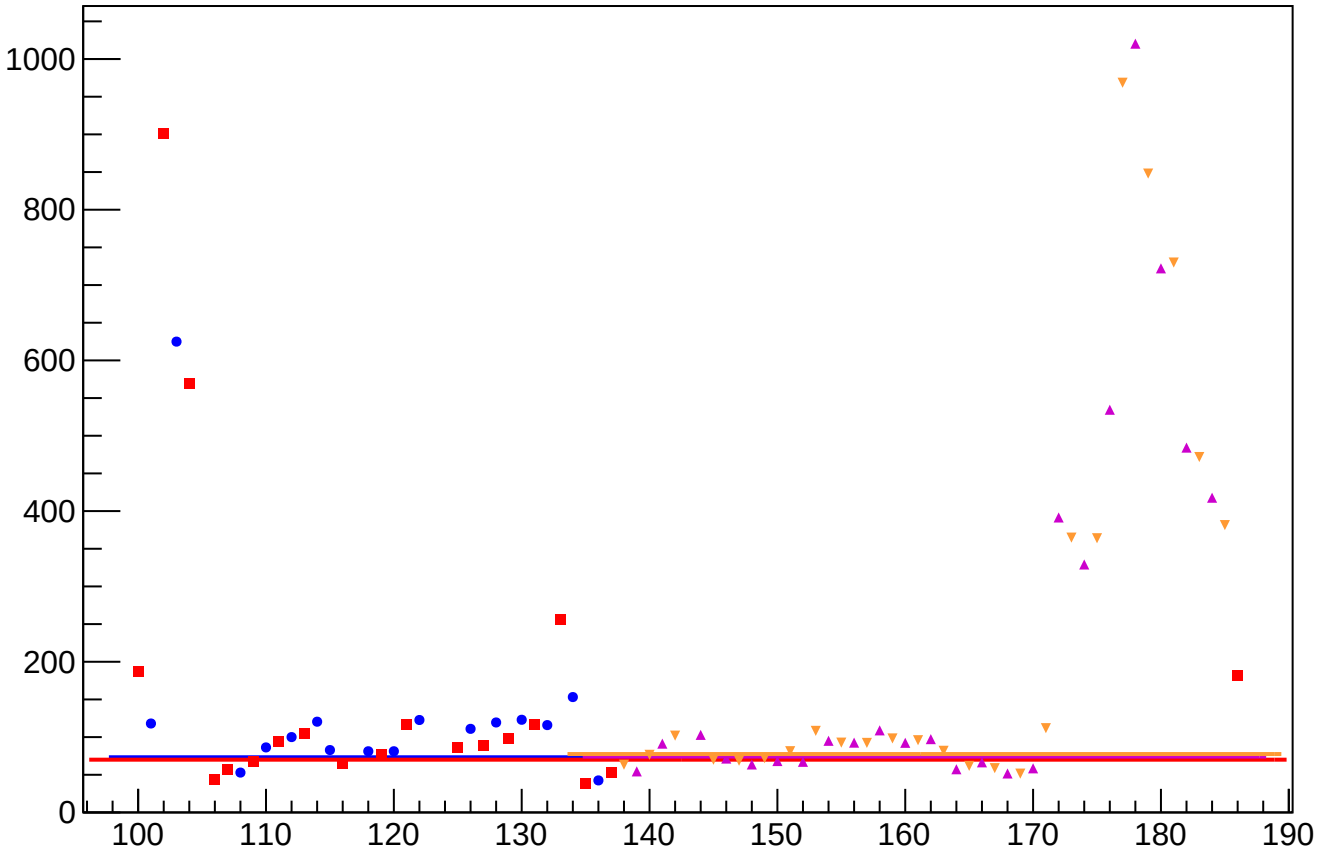
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.030+/-0.023 χ^2/NDF: 26.2/34

In: 0.007+/-0.018 χ^2/NDF:25.5/38

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.026+/-0.013 χ^2/NDF: 69.9/81



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

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

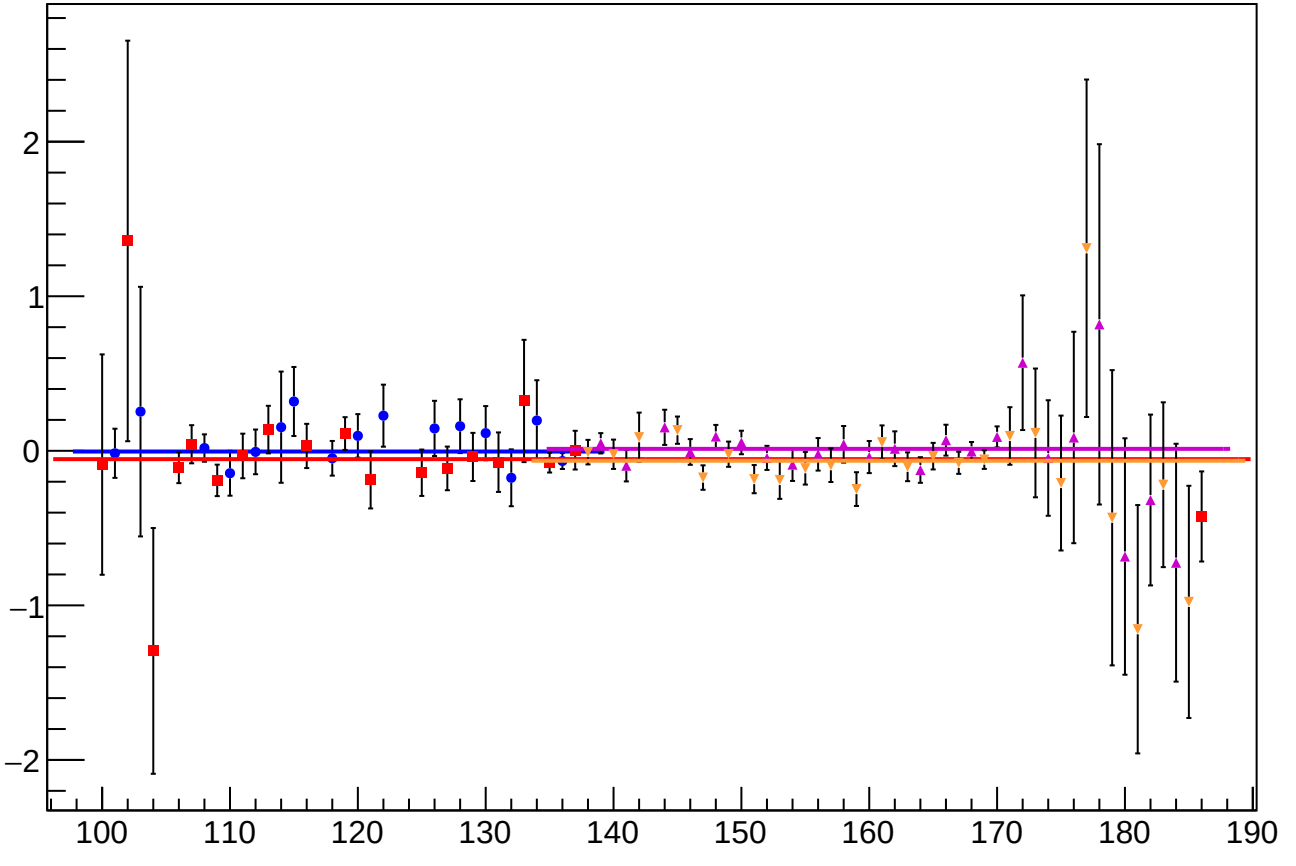
Right: 71.601+/-0.016 χ^2/NDF: 6494420.0/34

In: 73.921+/-0.012 χ^2/NDF:11369979.7/38

Out: 75.059+/-0.013 χ^2/NDF:12036816.8/42

All: 74.477+/-0.009 χ^2/NDF: 23410849.3/81

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-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

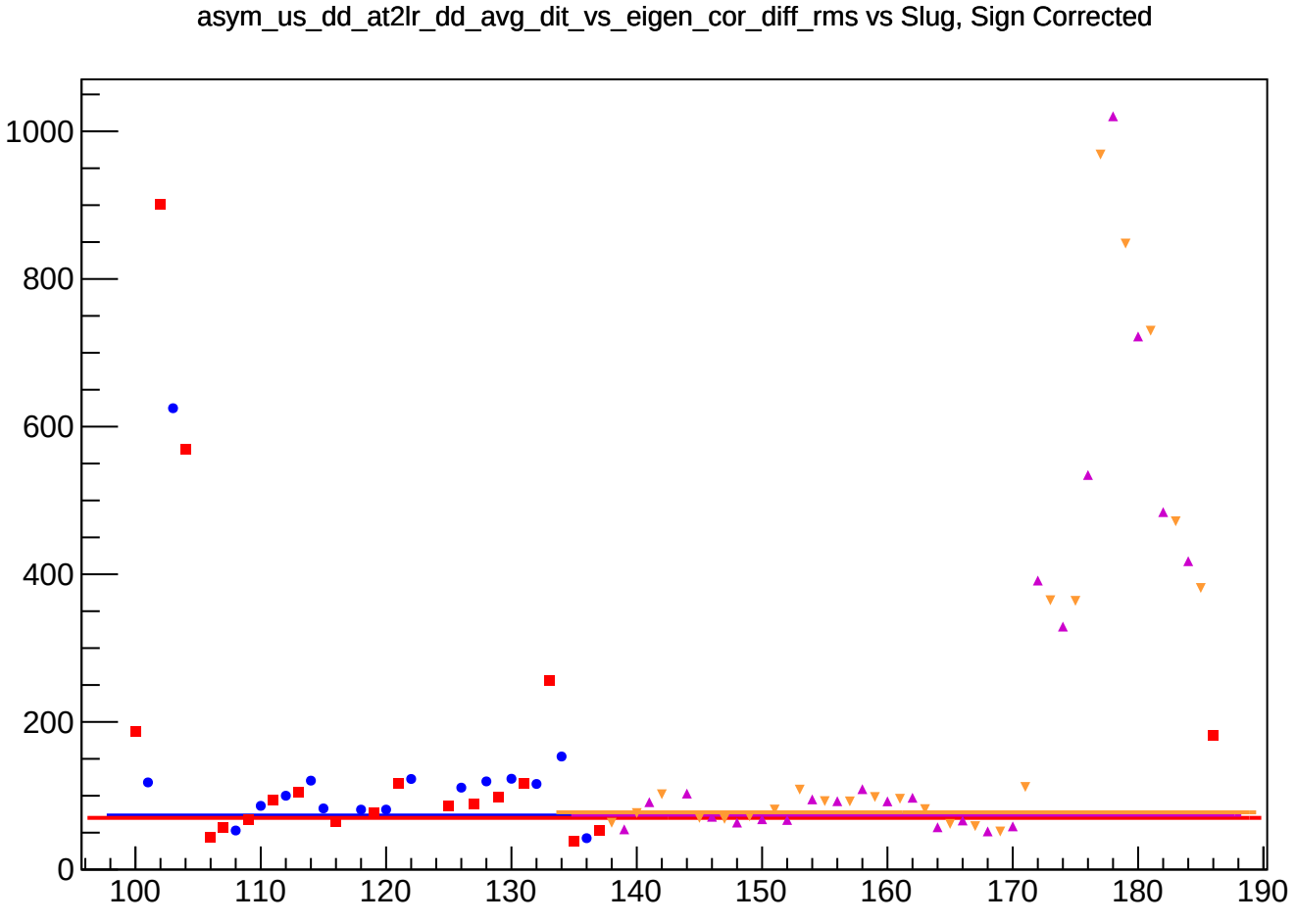
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.030+/-0.023 χ^2/NDF: 26.2/34

In: 0.007+/-0.018 χ^2/NDF:25.5/38

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.026+/-0.013 χ^2/NDF: 69.9/81



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

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

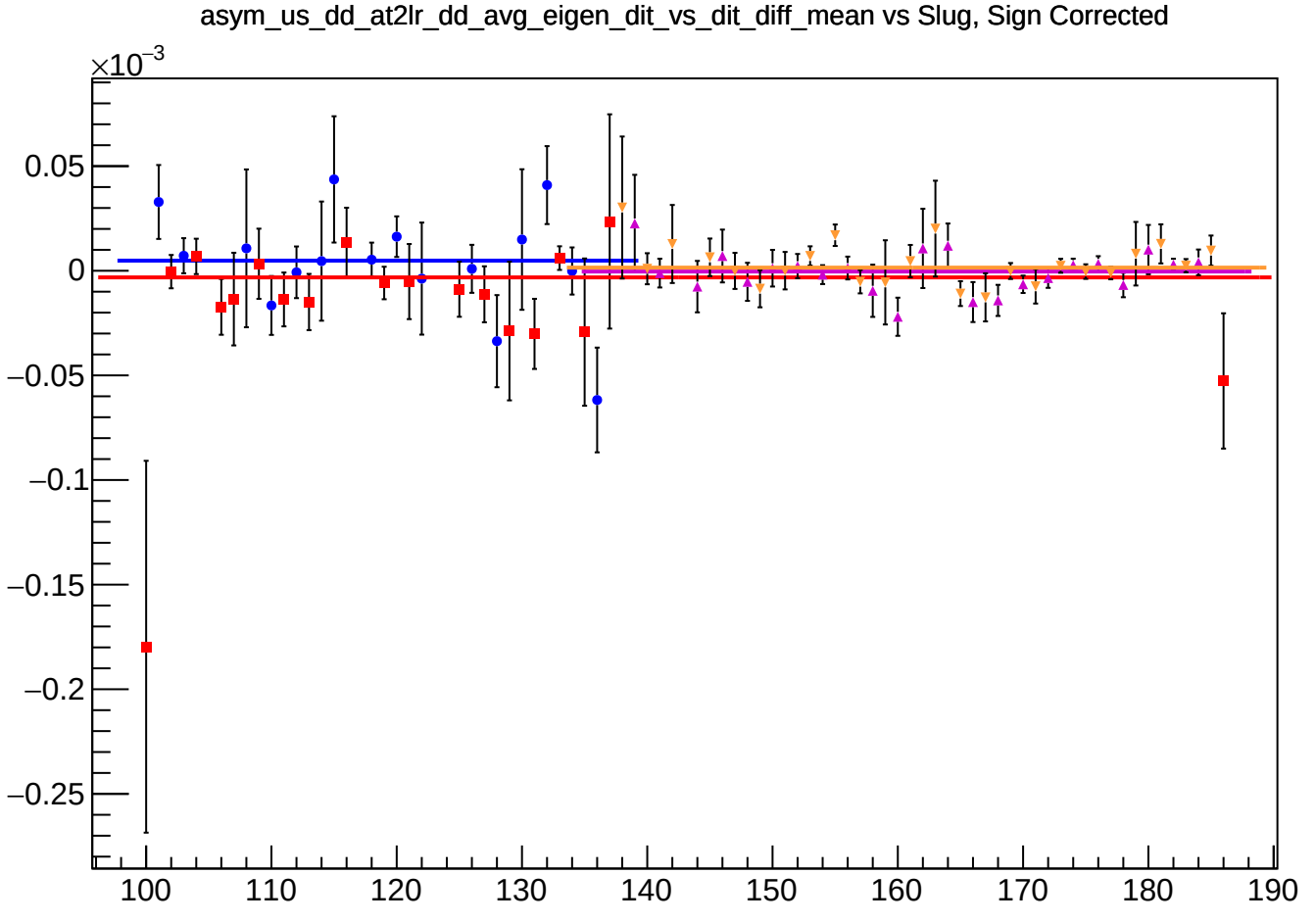
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 71.601+/-0.016 χ^2/NDF: 6494420.0/34

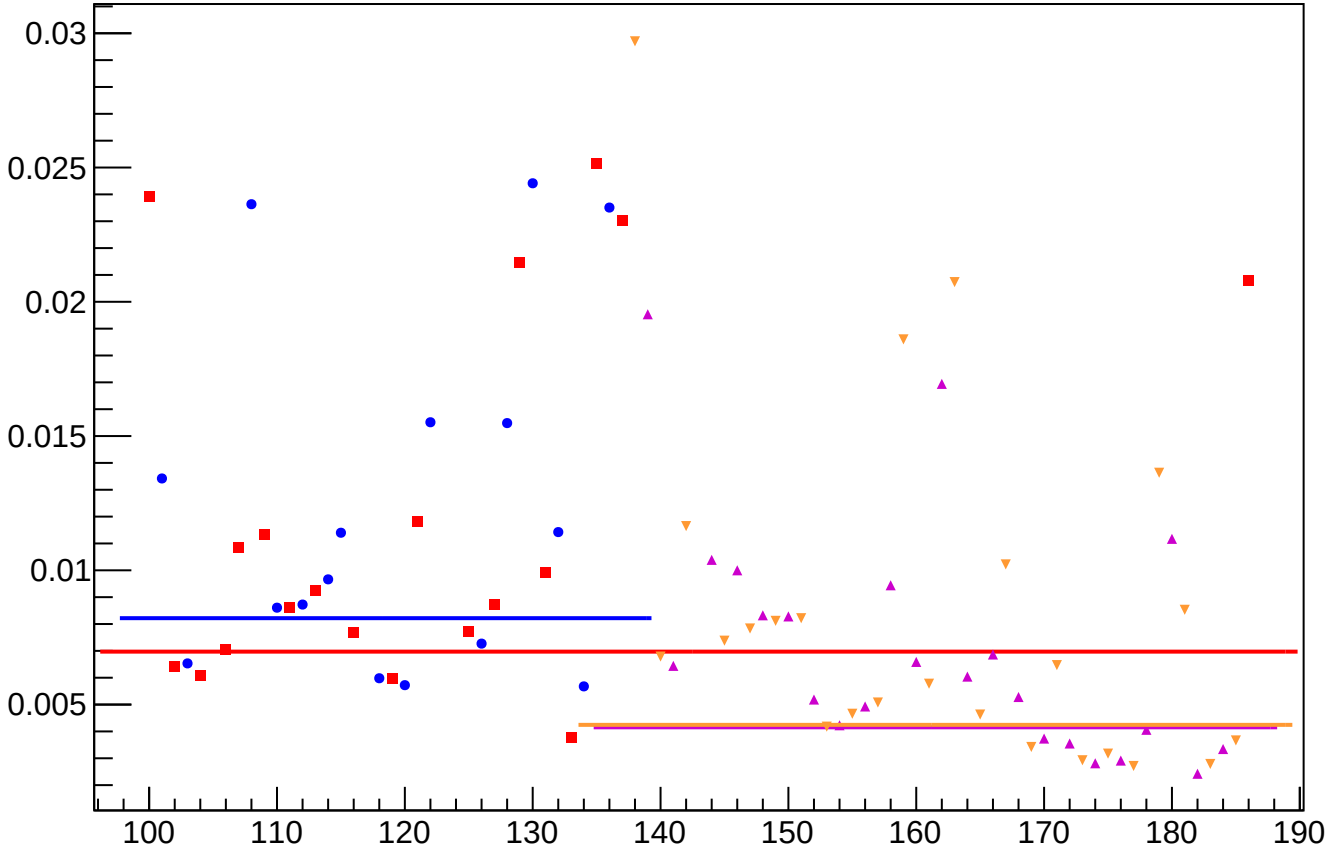
In: 73.921+/-0.012 χ^2/NDF:11369979.7/38

Out: 75.059+/-0.013 χ^2/NDF:12036816.8/42

All: 74.477+/-0.009 χ^2/NDF: 23410849.3/81


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.1/18
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: 0.000+/-0.000 χ²/NDF:49.2/38
Out: 0.000+/-0.000 χ²/NDF:48.6/42
All: 0.000+/-0.000 χ²/NDF: 97.9/81

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.004+/-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

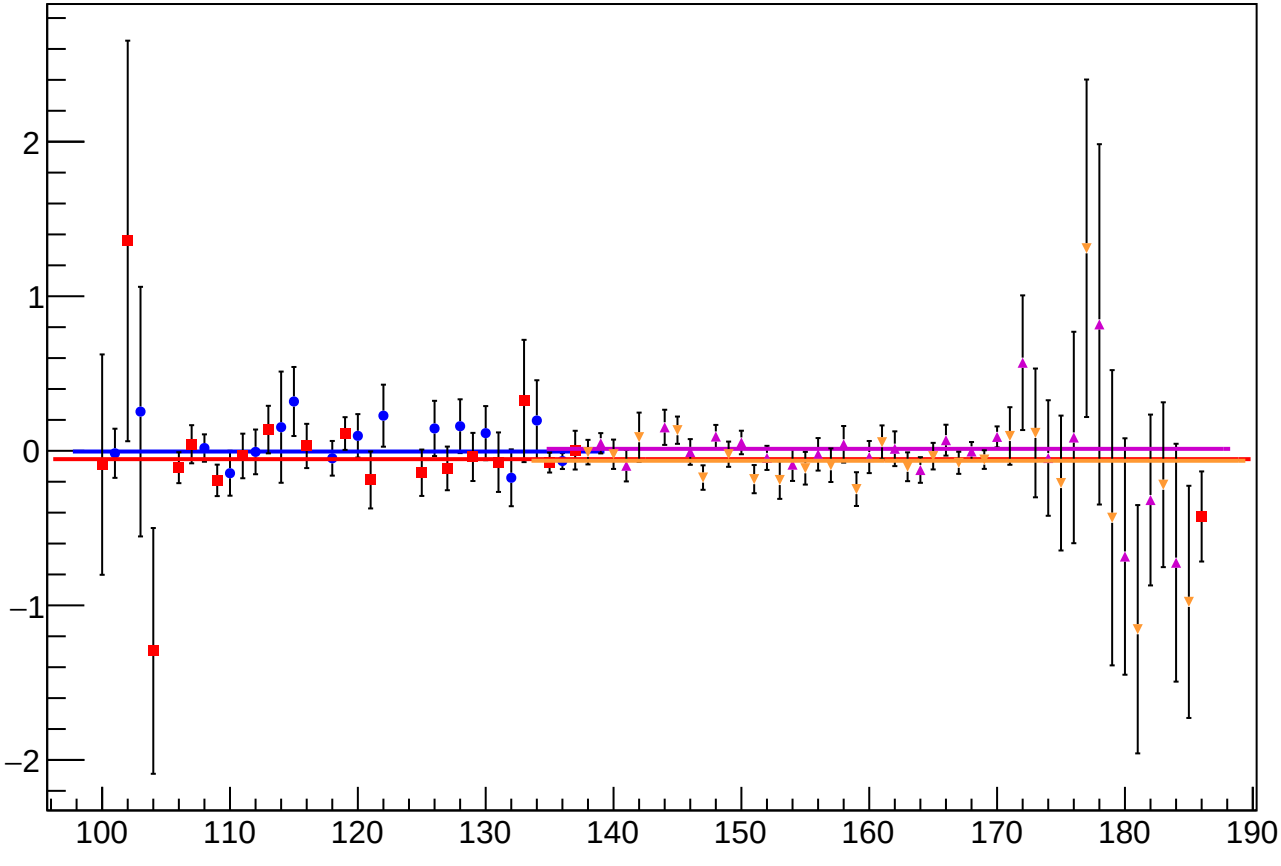
Right: 0.007+/-0.000 χ^2/NDF: 5604386.0/34

In: 0.005+/-0.000 χ^2/NDF:11972625.7/38

Out: 0.005+/-0.000 χ^2/NDF:13041688.5/42

All: 0.005+/-0.000 χ^2/NDF: 25017645.1/81

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-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

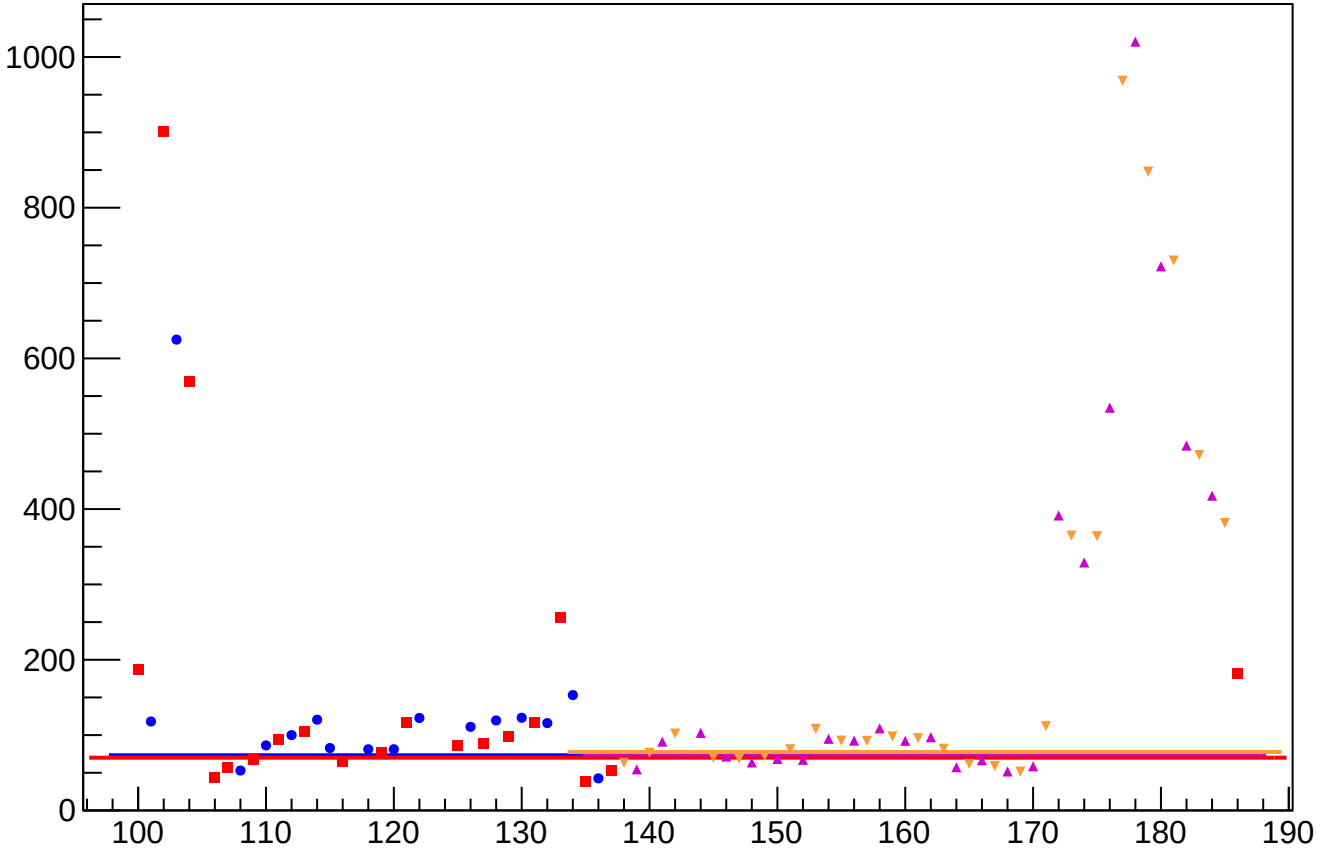
Right: -0.030+/-0.023 χ^2/NDF: 26.2/34

In: 0.007+/-0.018 χ^2/NDF:25.6/38

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.026+/-0.013 χ^2/NDF: 69.9/81

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.533+/-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

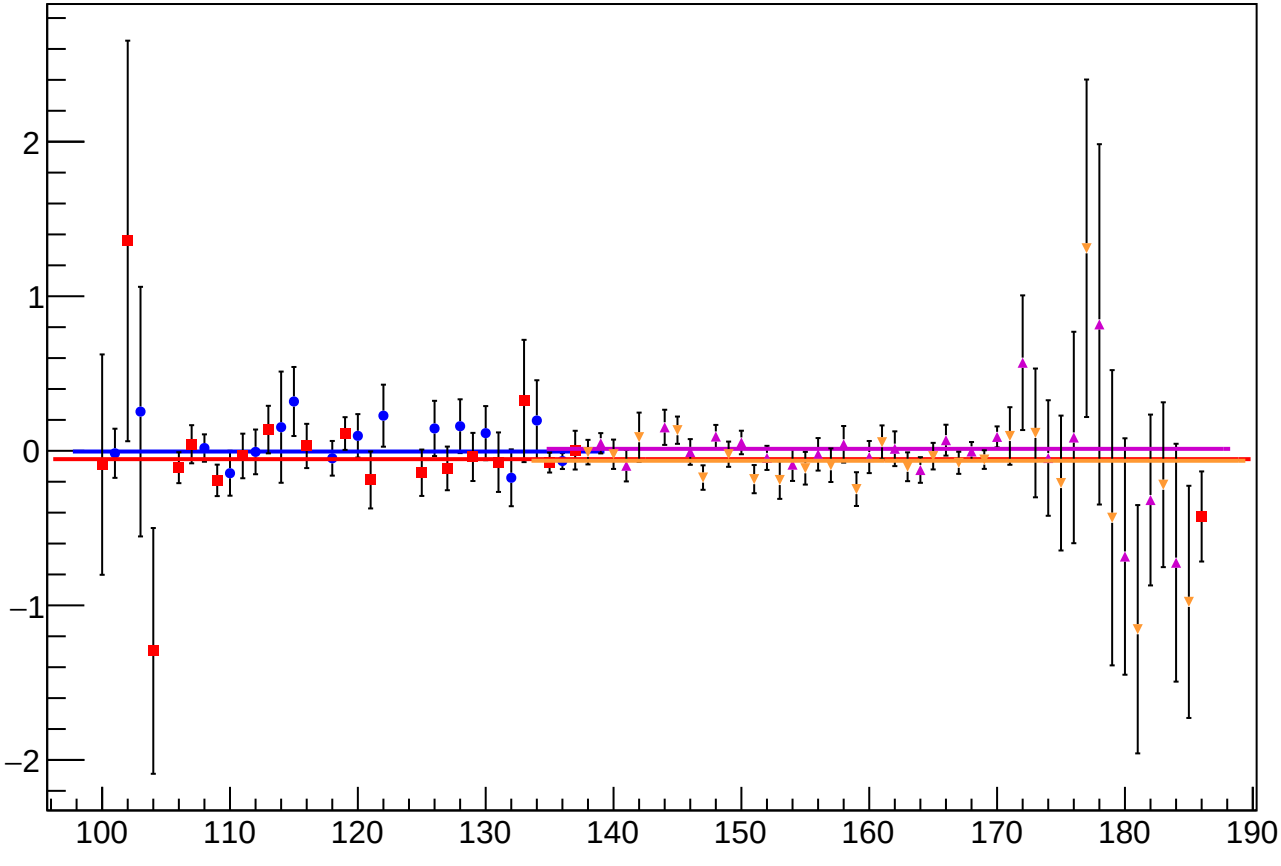
Right: 71.607+/-0.016 χ^2/NDF: 6493423.7/34

In: 73.930+/-0.012 χ^2/NDF:11367333.5/38

Out: 75.055+/-0.013 χ^2/NDF:12038030.2/42

All: 74.479+/-0.009 χ^2/NDF: 23409326.5/81

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.064+/-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

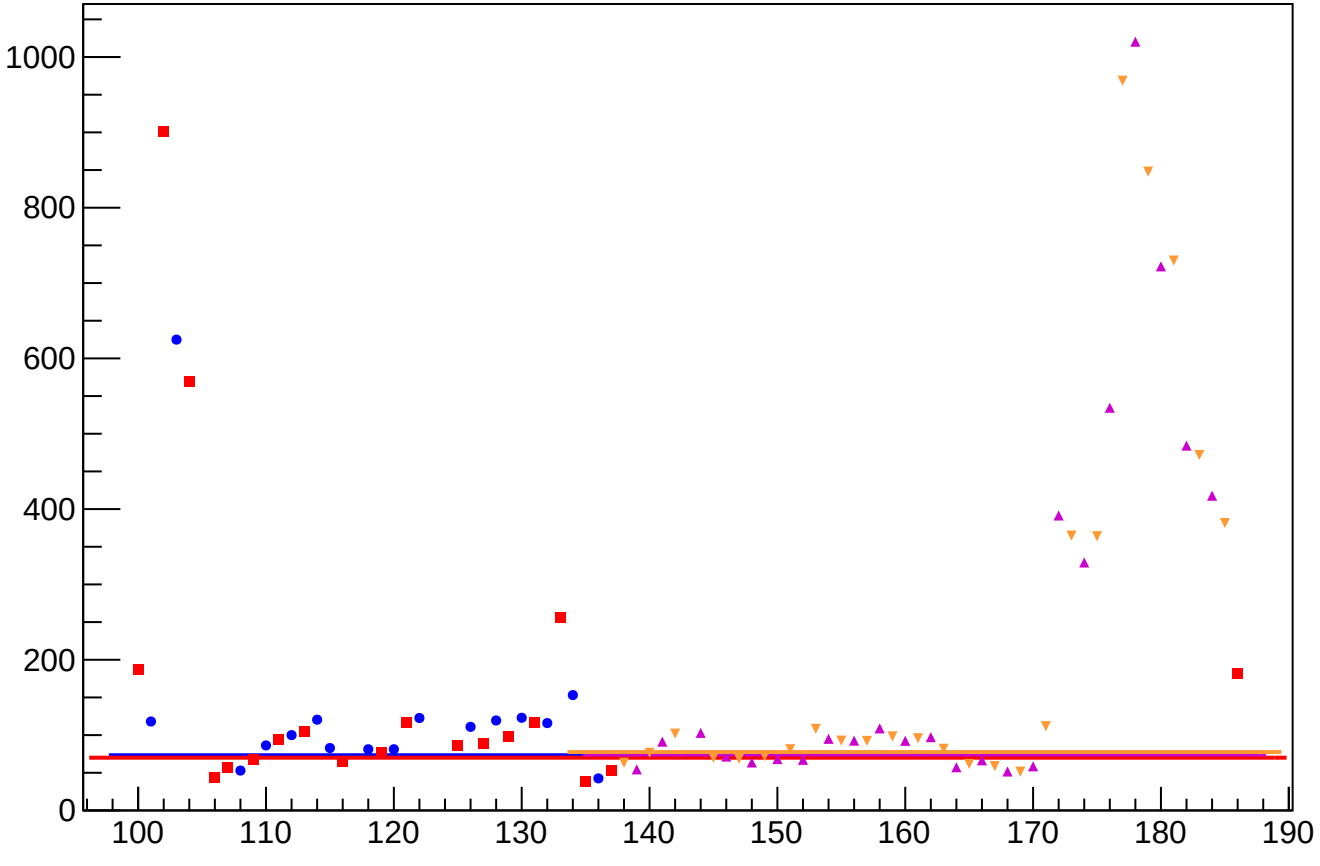
Right: -0.030+/-0.023 χ^2/NDF: 26.2/34

In: 0.007+/-0.018 χ^2/NDF:25.6/38

Out: -0.061+/-0.018 χ^2/NDF:37.1/42

All: -0.026+/-0.013 χ^2/NDF: 69.9/81

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 77.533+/-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

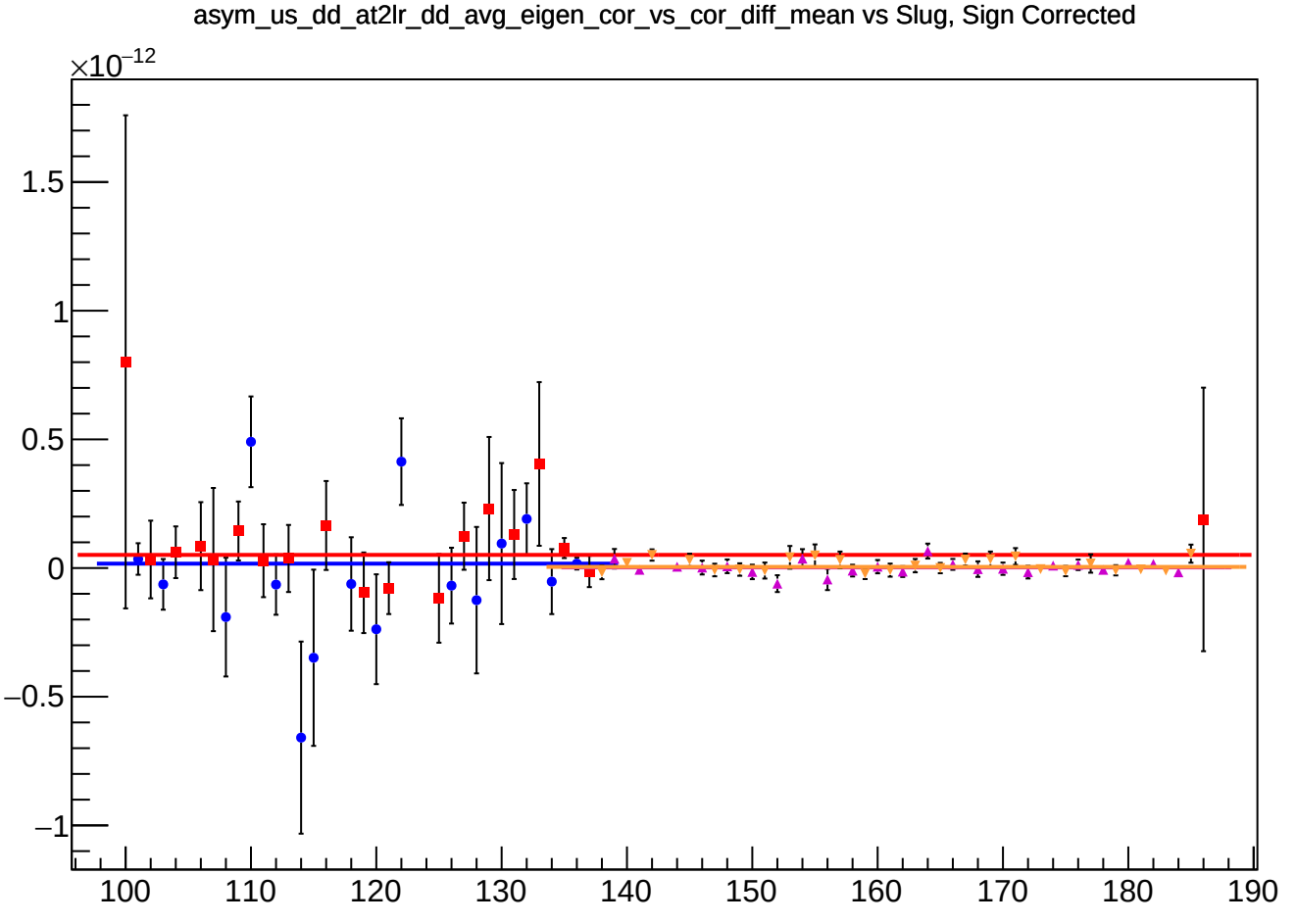
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 71.607+/-0.016 χ^2/NDF: 6493423.7/34

In: 73.930+/-0.012 χ^2/NDF:11367333.5/38

Out: 75.055+/-0.013 χ^2/NDF:12038030.2/42

All: 74.479+/-0.009 χ^2/NDF: 23409326.5/81



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

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

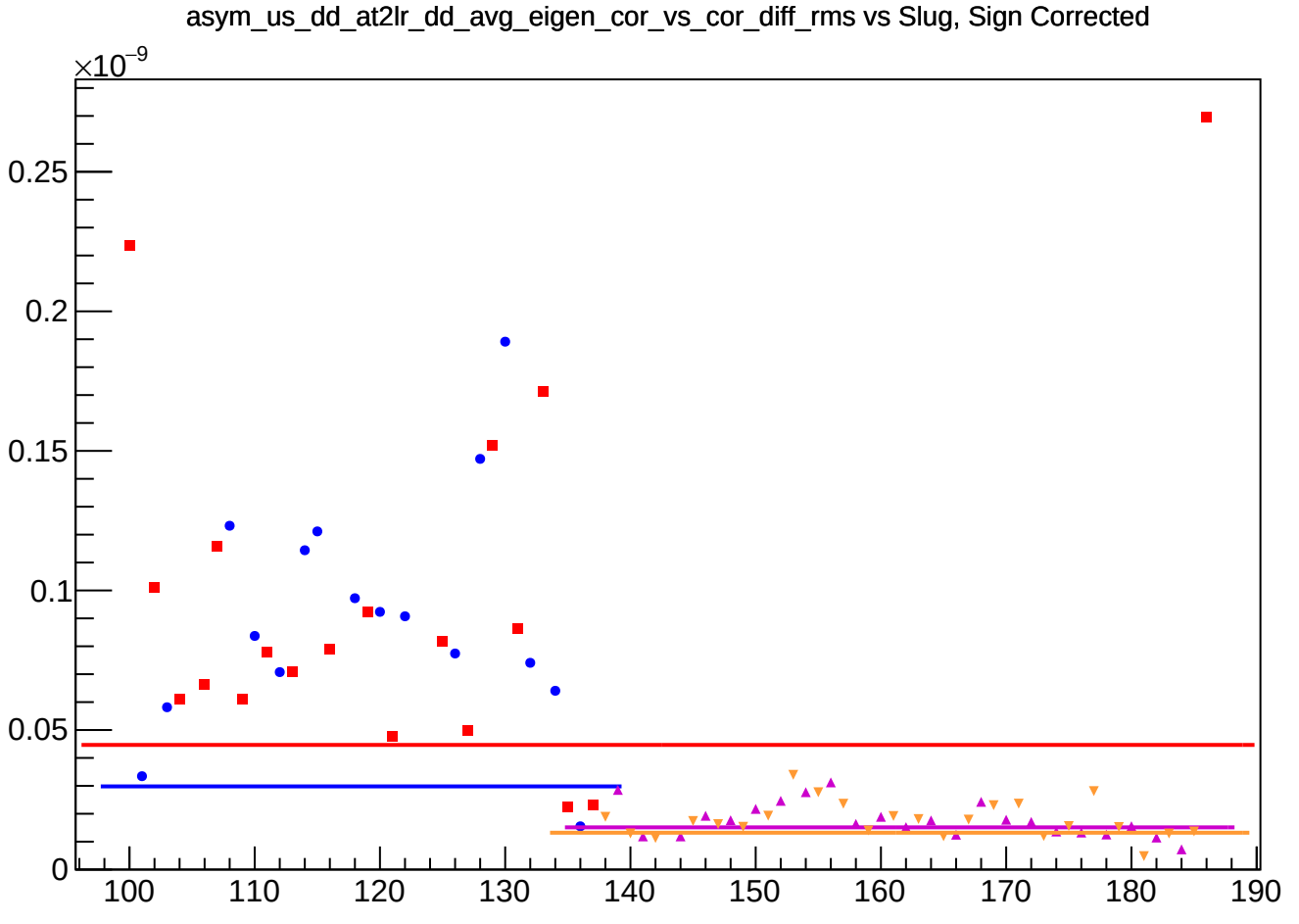
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:41.4/38

Out: 0.000+/-0.000 χ^2/NDF:34.3/42

All: 0.000+/-0.000 χ^2/NDF: 75.9/81



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3165847.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

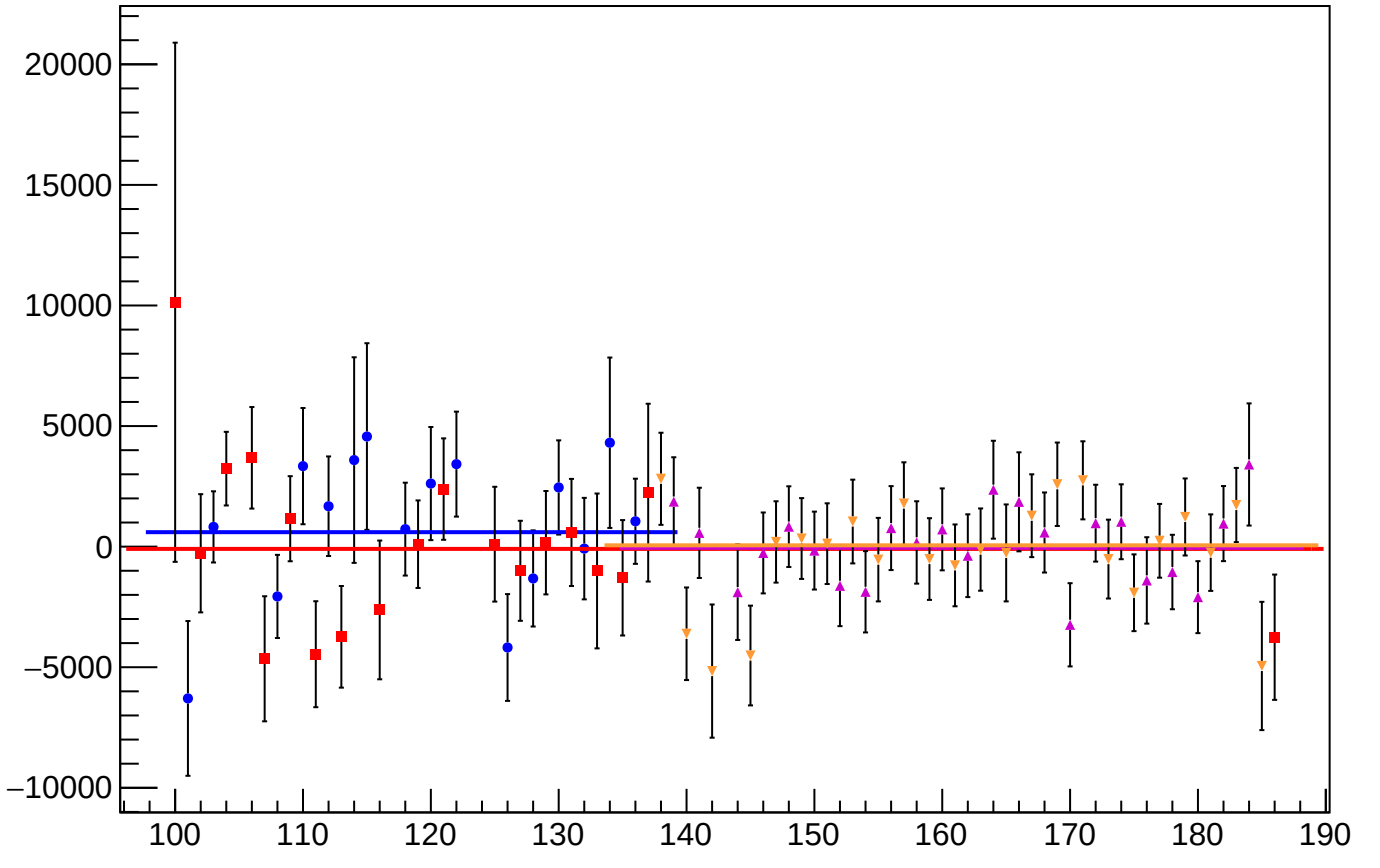
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

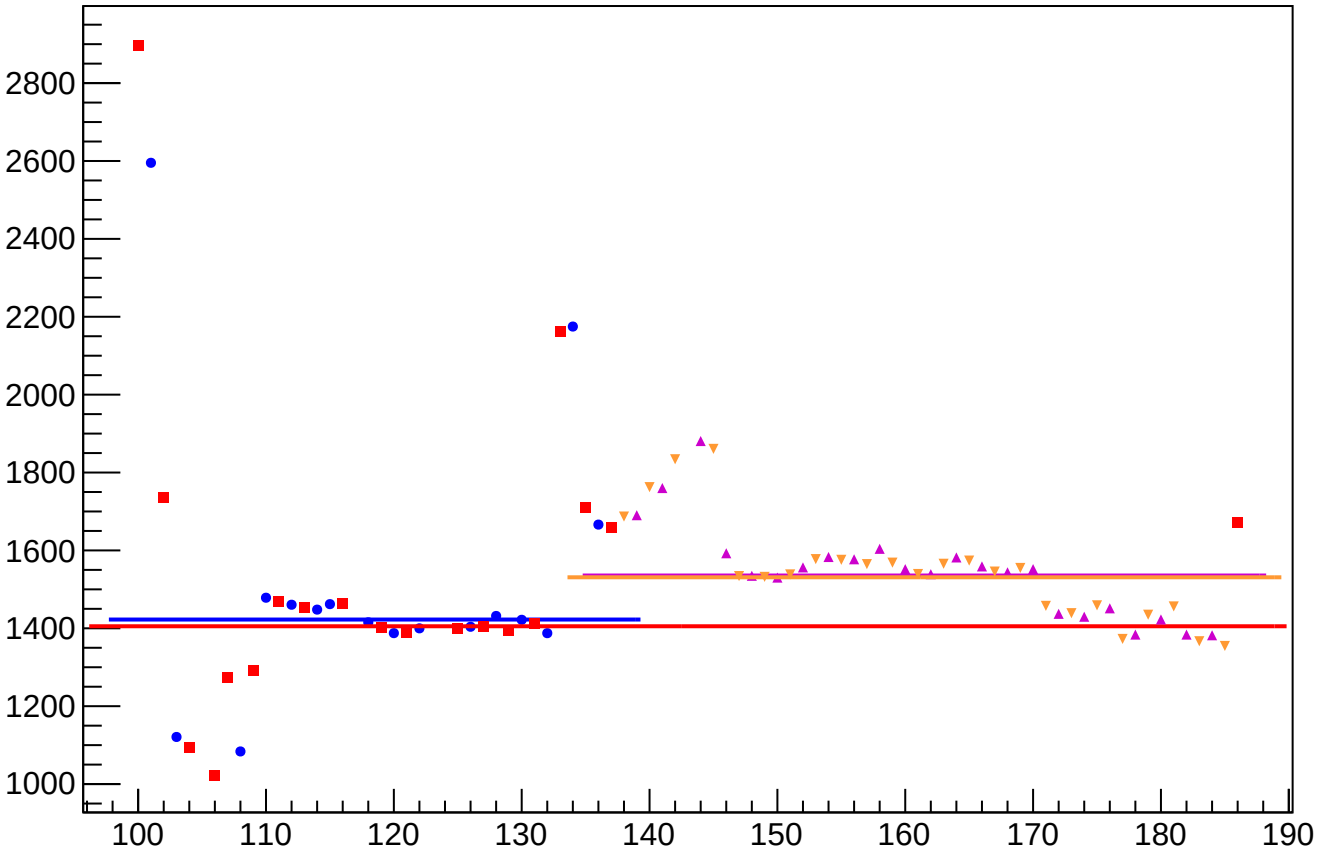
Right: 0.000+/-0.000 χ^2/NDF: 7692503.3/34

In: 0.000+/-0.000 χ^2/NDF:7316924.8/38

Out: 0.000+/-0.000 χ^2/NDF:10531764.7/42

All: 0.000+/-0.000 χ^2/NDF: 18014114.9/81


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -93.436+/-519.498 χ²/NDF: 24.6/18
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 239.904+/-374.396 χ²/NDF: 45.8/34
In: 150.920+/-299.277 χ²/NDF:38.1/38
Out: 7.344+/-293.874 χ²/NDF:53.1/42
All: 77.824+/-209.684 χ²/NDF: 91.3/81



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

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

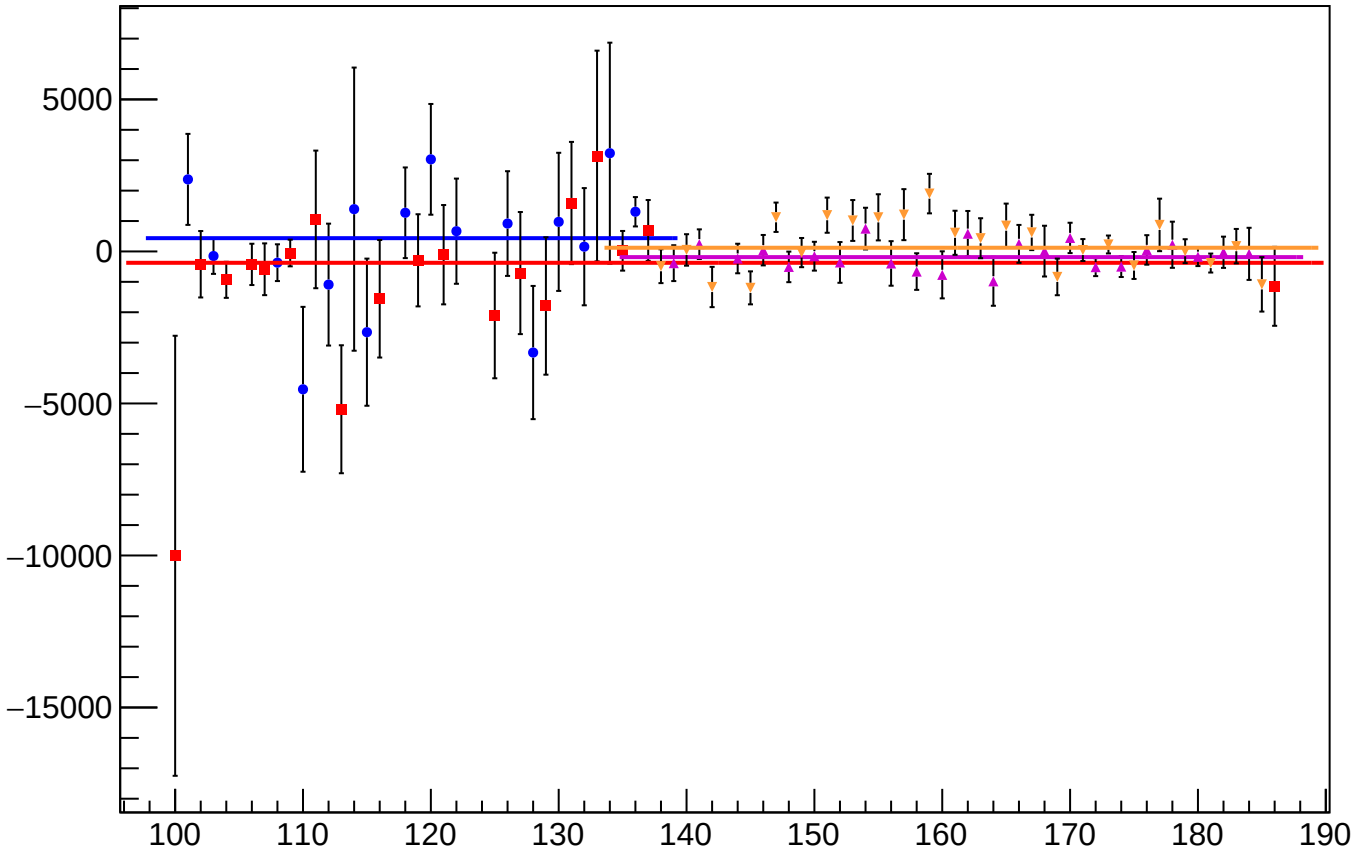
Right: 1413.547+/-0.265 χ^2/NDF: 976826.1/34

In: 1500.838+/-0.212 χ^2/NDF:813402.7/38

Out: 1490.743+/-0.208 χ^2/NDF:698701.9/42

All: 1495.698+/-0.148 χ^2/NDF: 1513263.1/81

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 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

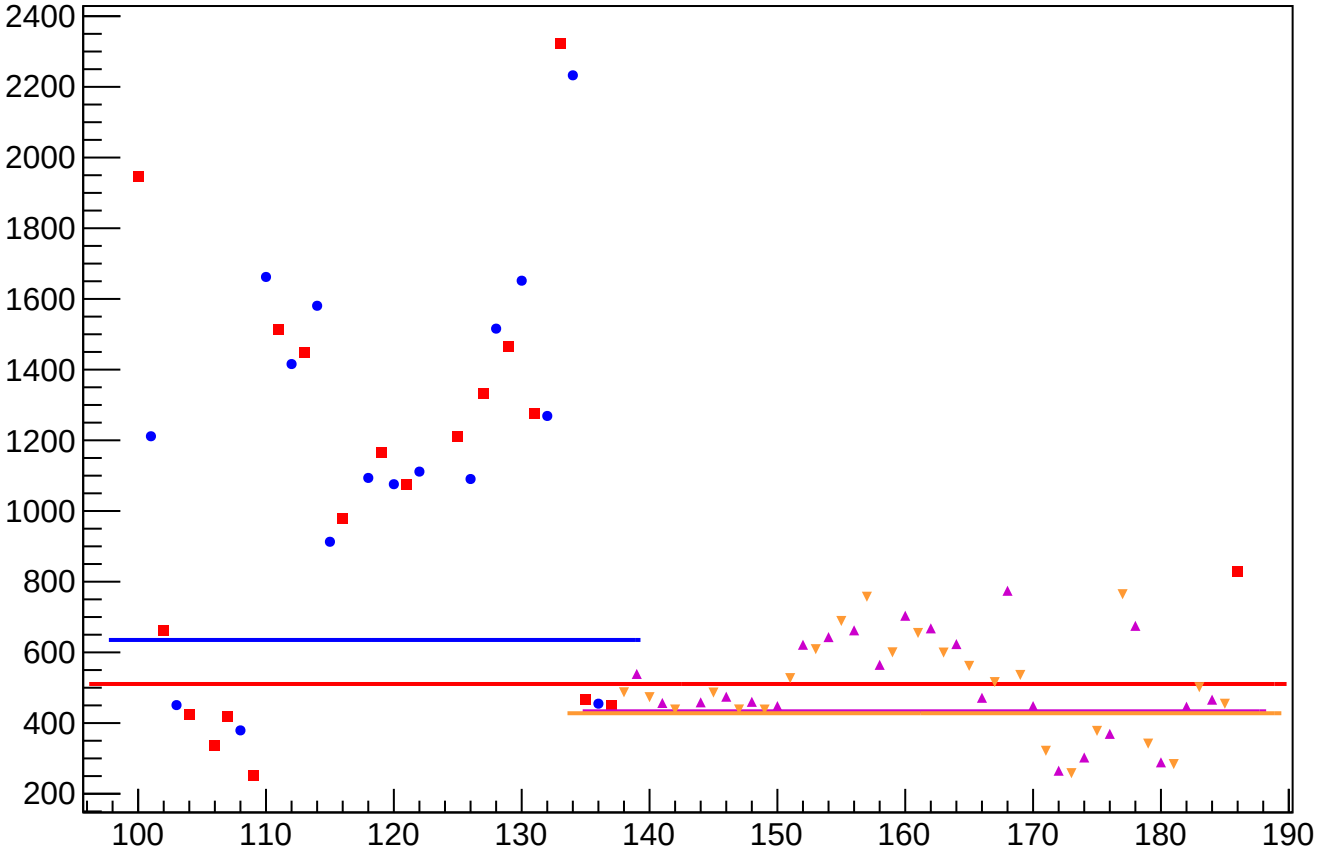
Right: -41.423+/-176.690 χ^2/NDF: 38.7/34

In: -105.373+/-99.741 χ^2/NDF:35.4/38

Out: 35.907+/-95.566 χ^2/NDF:61.8/42

All: -31.714+/-69.004 χ^2/NDF: 98.2/81

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 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

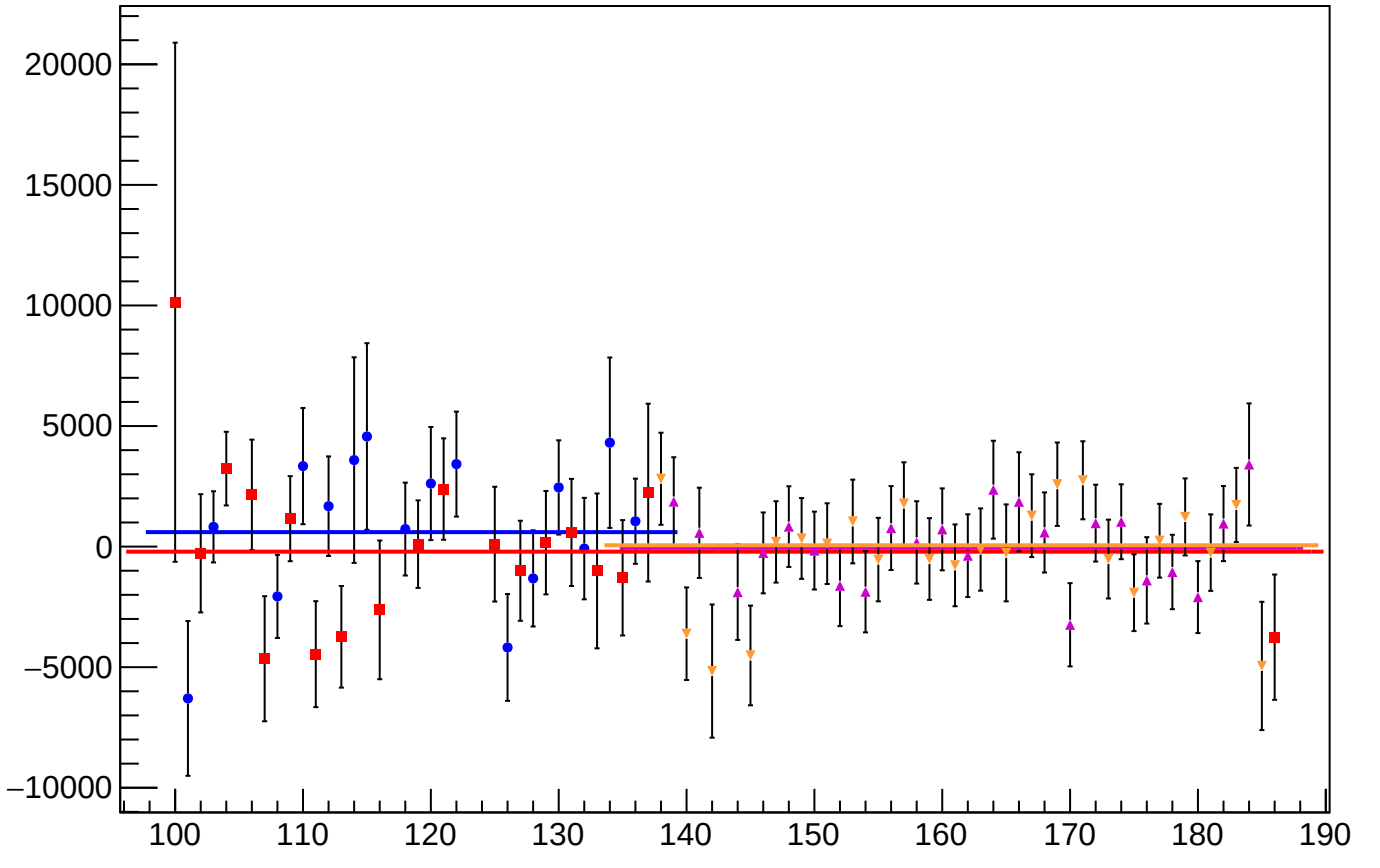
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 561.664+/-0.125 χ^2/NDF: 8427195.5/34

In: 459.660+/-0.071 χ^2/NDF:7931090.9/38

Out: 442.099+/-0.068 χ^2/NDF:7836649.9/42

All: 450.505+/-0.049 χ^2/NDF: 15800064.5/81


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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120
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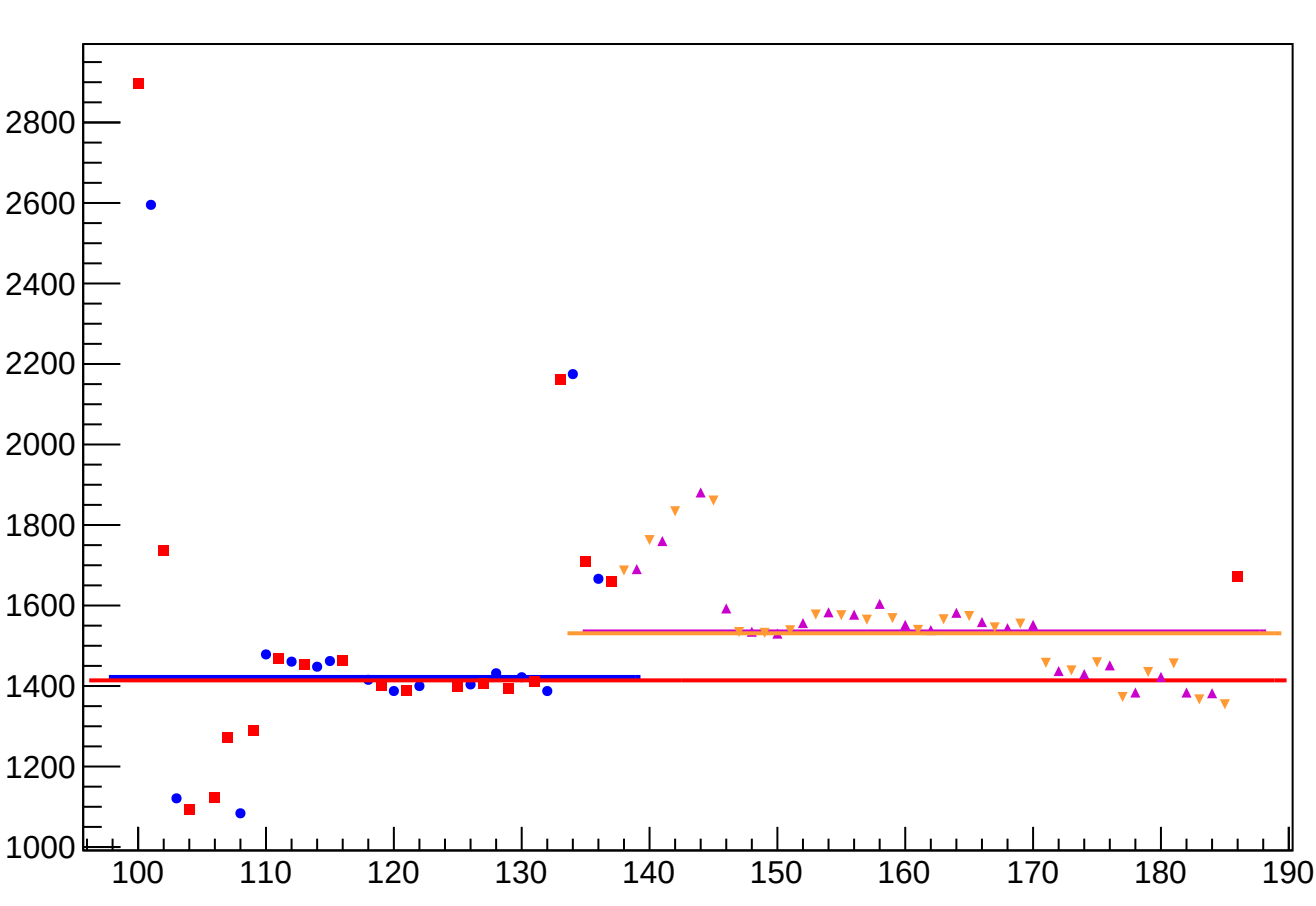
140
150
160
170
180
190
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -209.510+/-521.962 χ²/NDF: 22.3/18
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 181.468+/-375.316 χ²/NDF: 43.8/34
In: 150.826+/-299.277 χ²/NDF:38.1/38
Out: -29.282+/-294.318 χ²/NDF:50.9/42
All: 59.268+/-209.845 χ²/NDF: 89.2/81



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

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

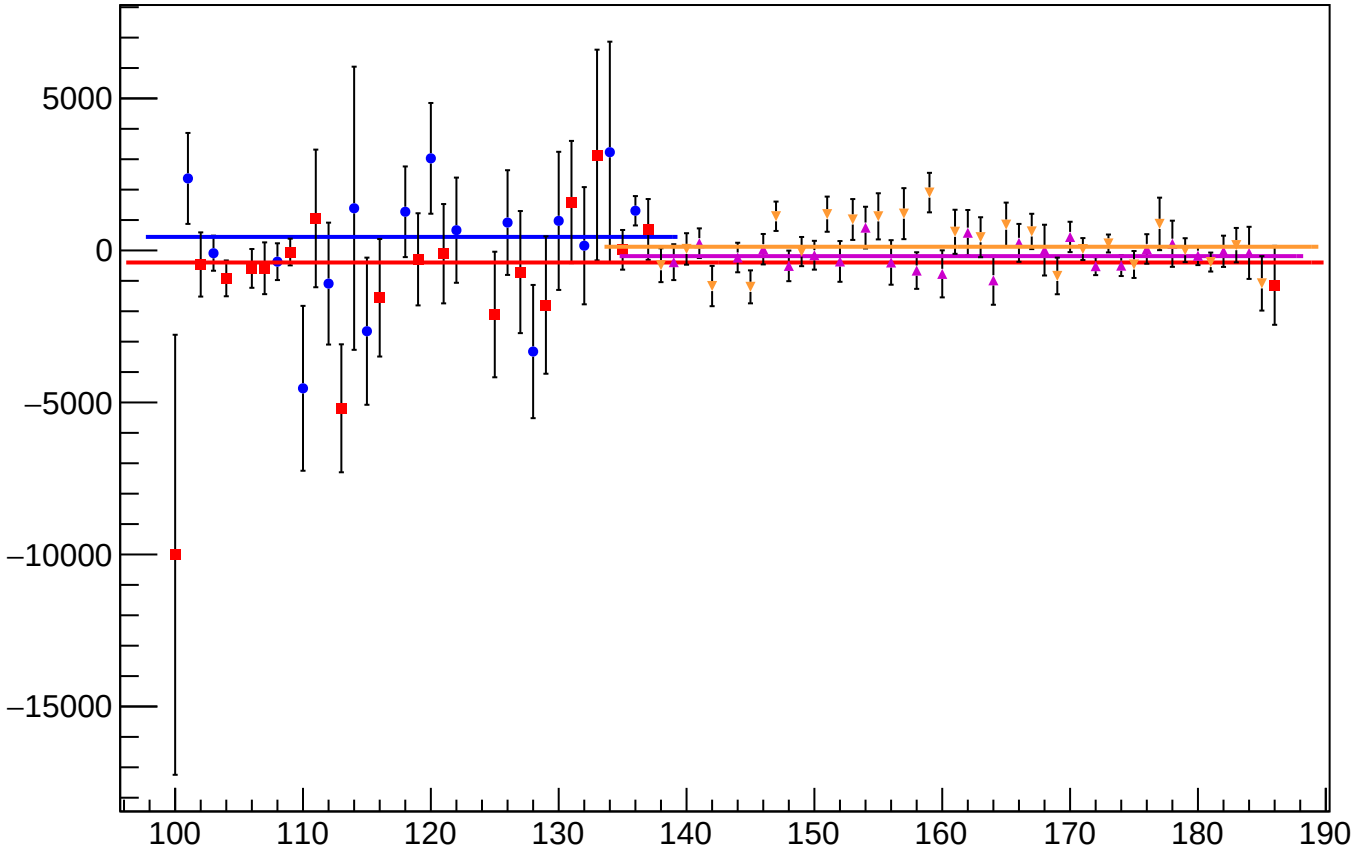
Right: 1418.132+/-0.265 χ^2/NDF: 940055.6/34

In: 1500.838+/-0.212 χ^2/NDF:813403.0/38

Out: 1493.796+/-0.208 χ^2/NDF:651547.6/42

All: 1497.258+/-0.148 χ^2/NDF: 1465513.6/81

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 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

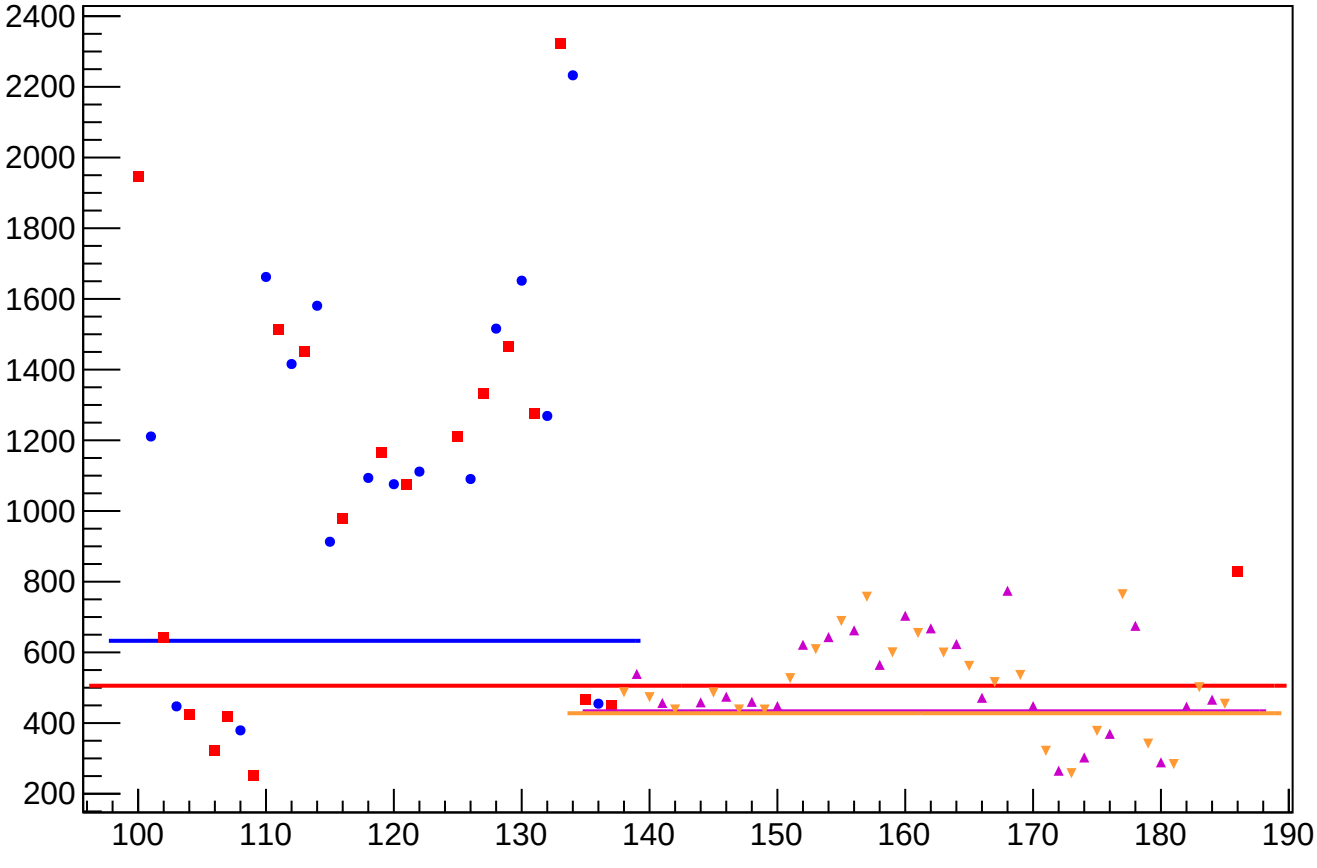
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: -53.615+/-175.344 χ^2/NDF: 39.1/34

In: -103.812+/-99.685 χ^2/NDF:35.4/38

Out: 30.498+/-95.400 χ^2/NDF:62.3/42

All: -33.708+/-68.923 χ^2/NDF: 98.6/81



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

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

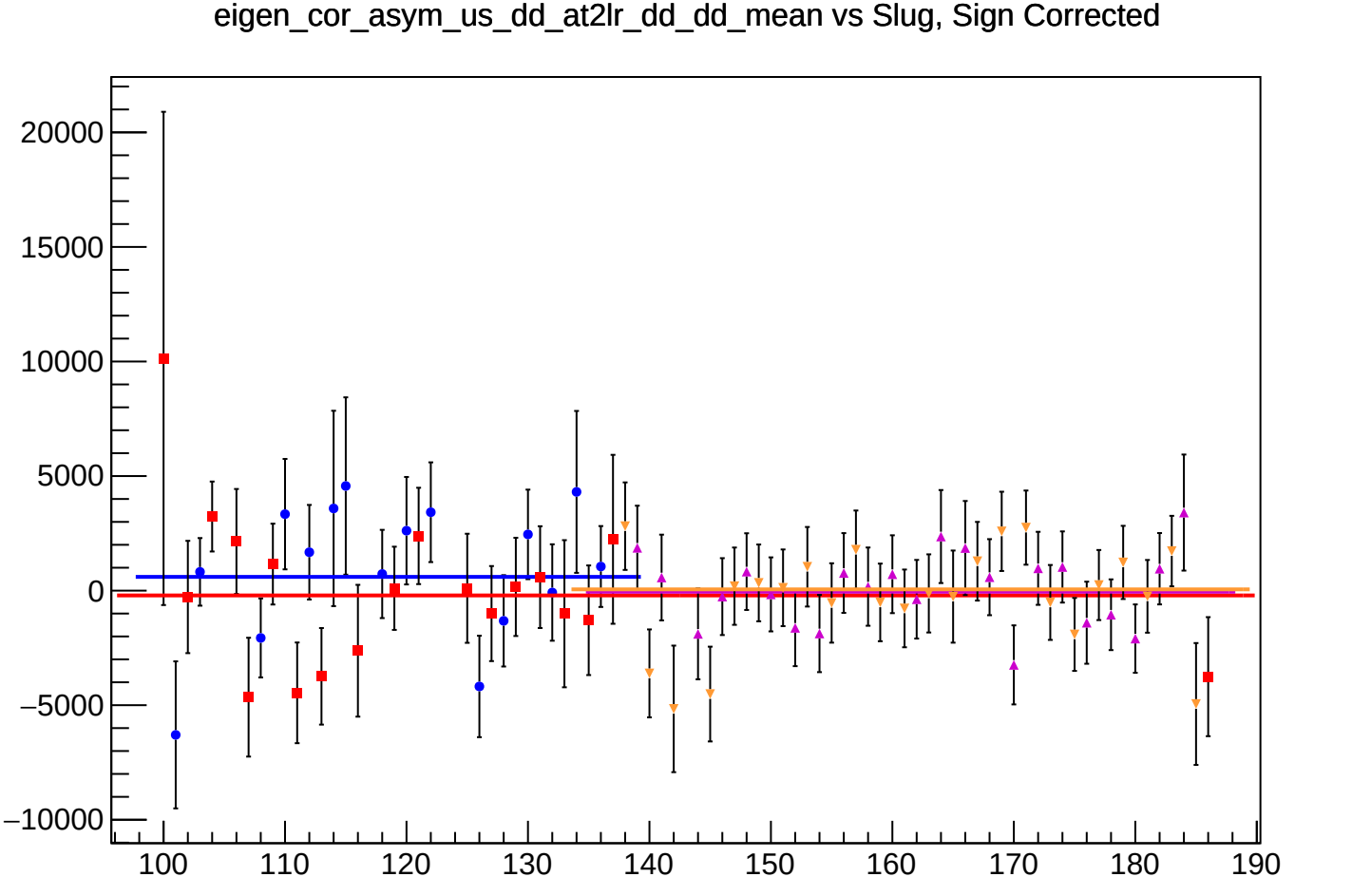
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 557.444+/-0.124 χ^2/NDF: 8487696.6/34

In: 459.545+/-0.070 χ^2/NDF:7931054.0/38

Out: 441.476+/-0.067 χ^2/NDF:7847568.8/42

All: 450.114+/-0.049 χ^2/NDF: 15812923.1/81


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
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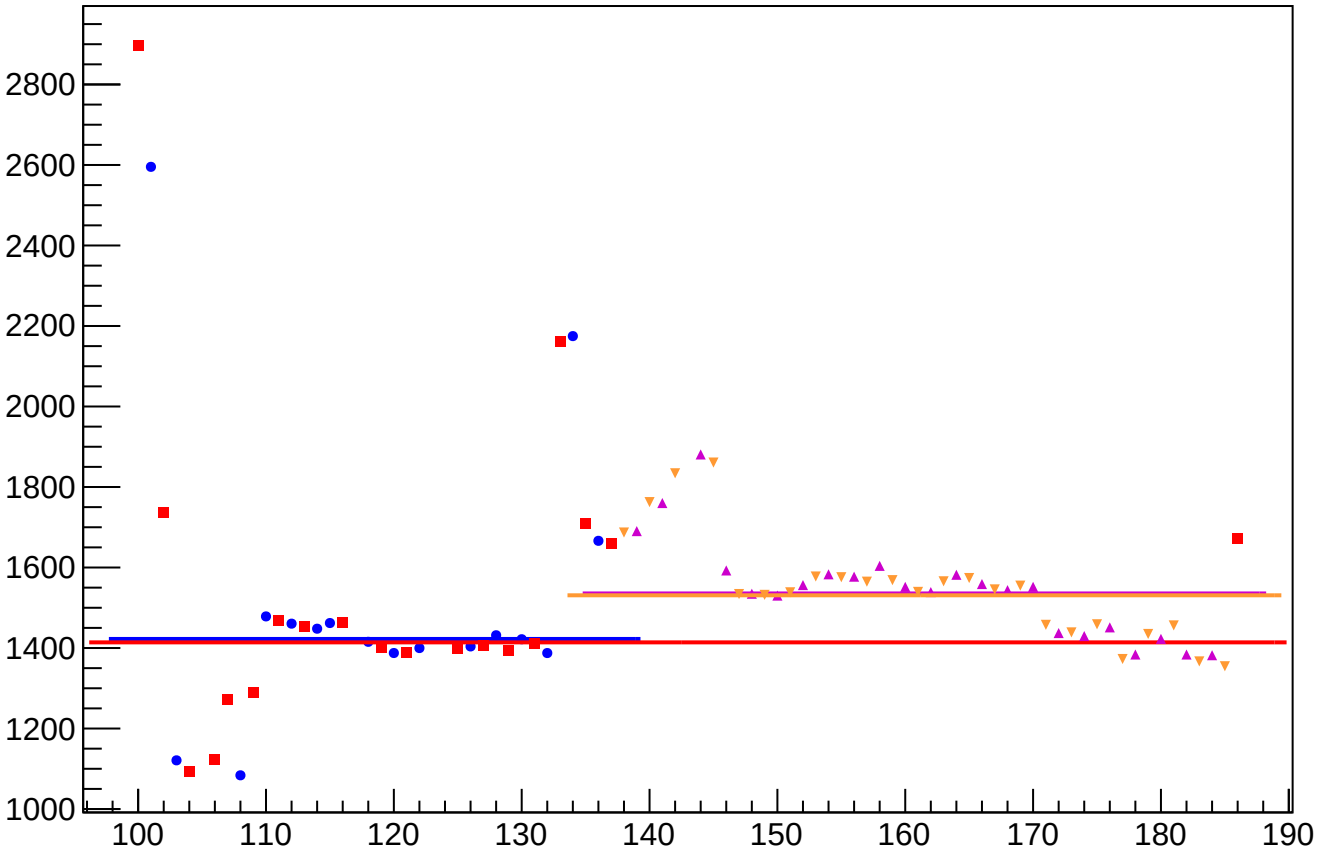
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -209.510+/-521.962 χ²/NDF: 22.3/18
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 181.468+/-375.316 χ²/NDF: 43.8/34
In: 150.826+/-299.277 χ²/NDF:38.1/38
Out: -29.282+/-294.318 χ²/NDF:50.9/42
All: 59.268+/-209.845 χ²/NDF: 89.2/81



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

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

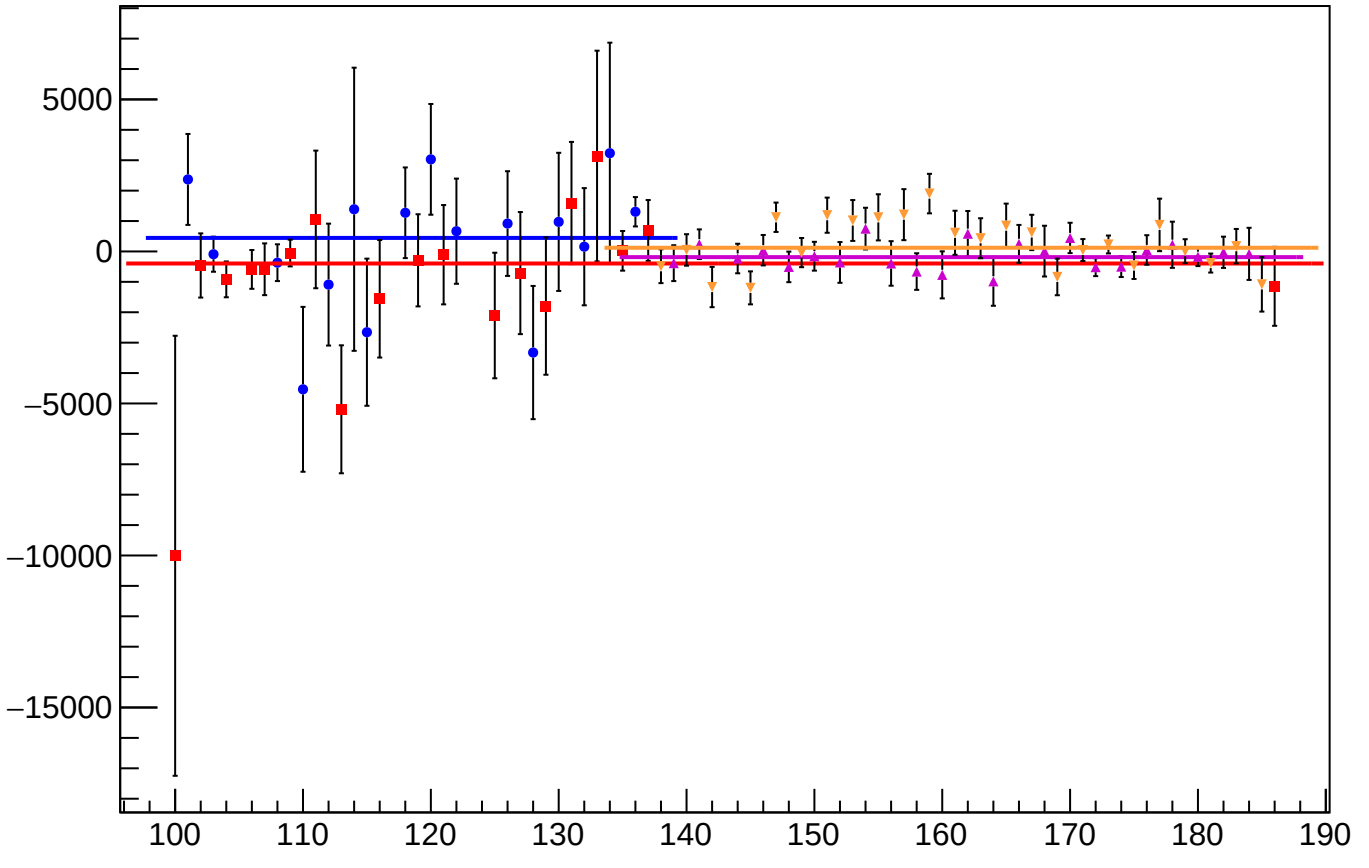
Right: 1418.132+/-0.265 χ^2/NDF: 940055.6/34

In: 1500.838+/-0.212 χ^2/NDF:813403.0/38

Out: 1493.796+/-0.208 χ^2/NDF:651547.6/42

All: 1497.258+/-0.148 χ^2/NDF: 1465513.6/81

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 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

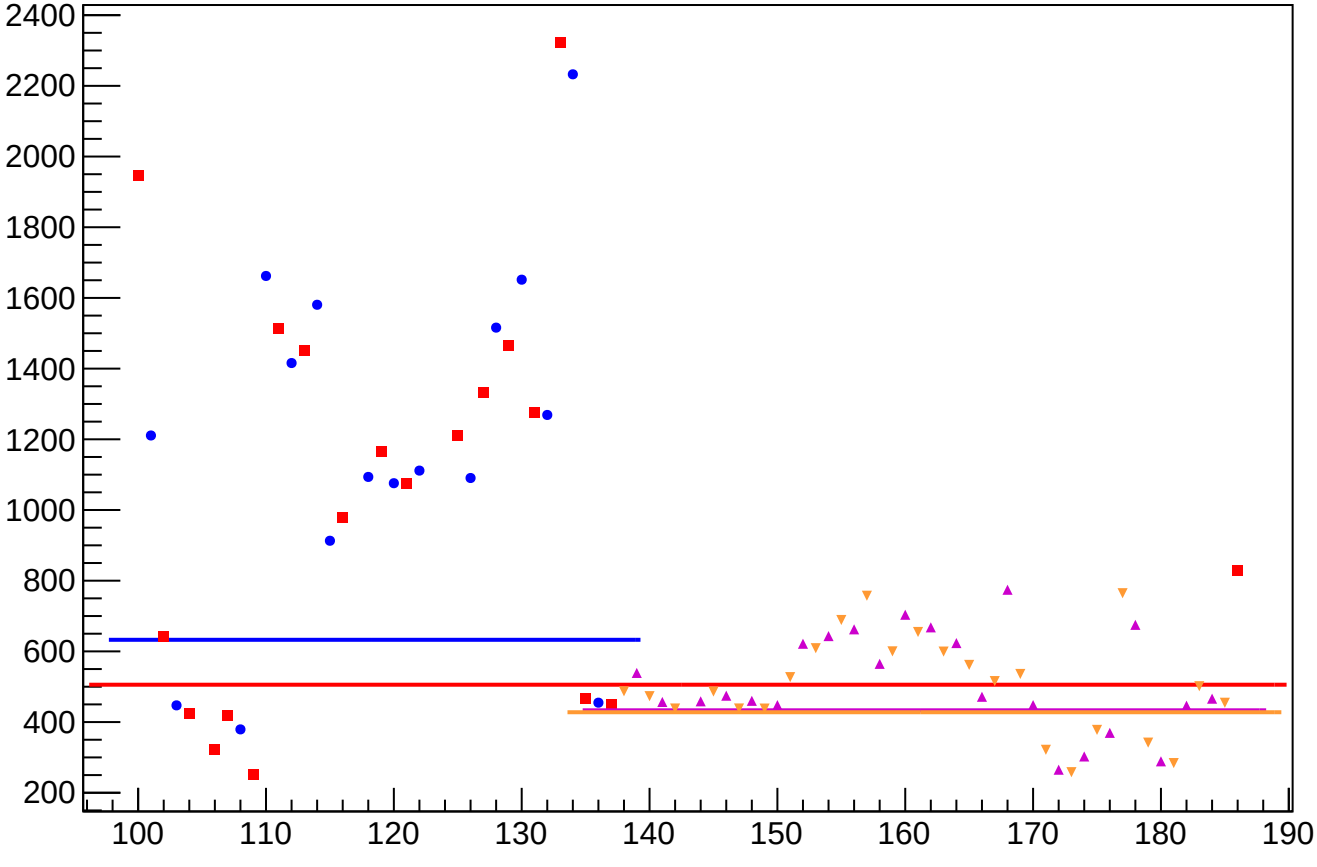
Right: -53.615+/-175.344 χ^2/NDF: 39.1/34

In: -103.812+/-99.685 χ^2/NDF:35.4/38

Out: 30.498+/-95.400 χ^2/NDF:62.3/42

All: -33.708+/-68.923 χ^2/NDF: 98.6/81

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 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

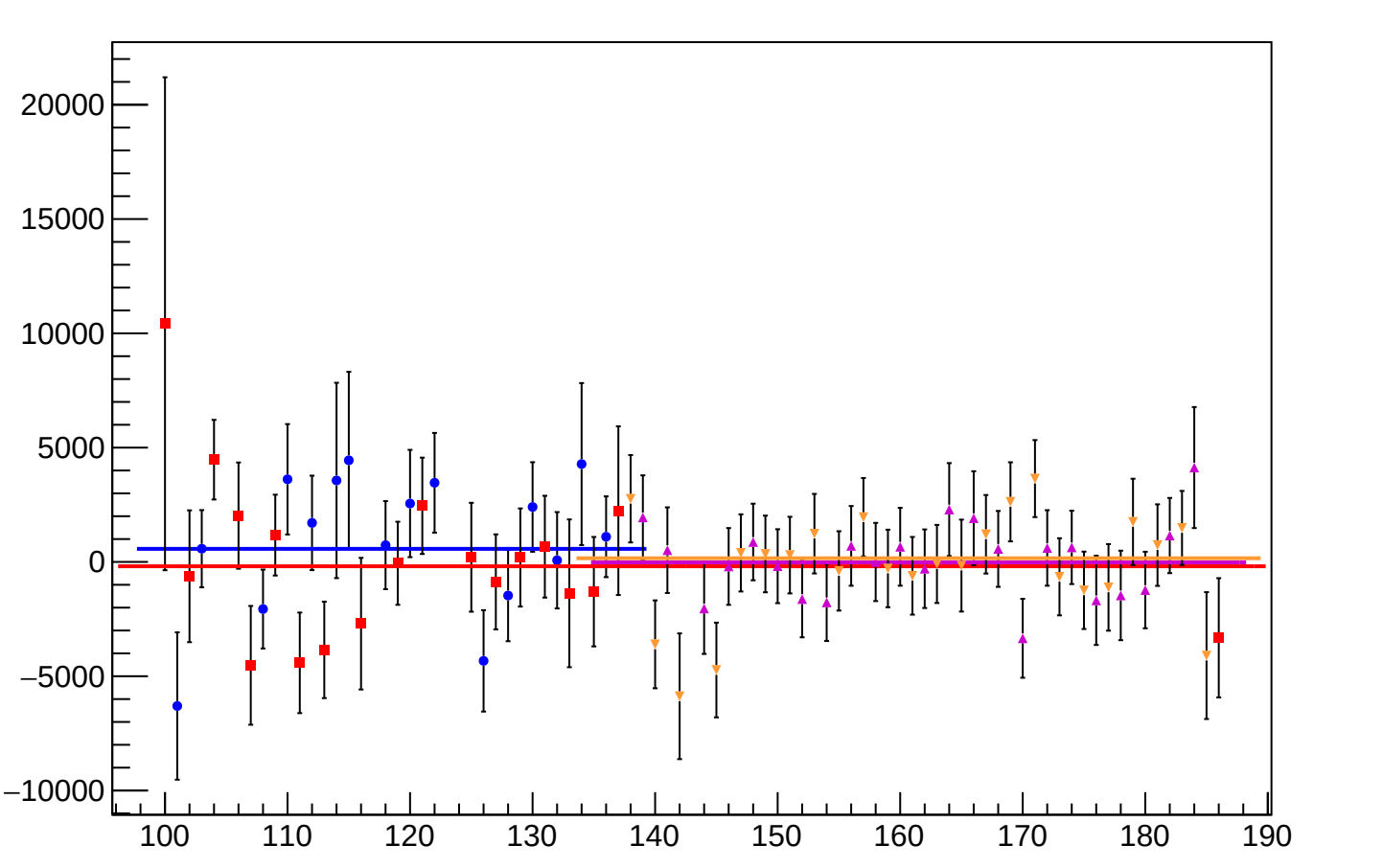
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 557.444+/-0.124 χ^2/NDF: 8487696.6/34

In: 459.545+/-0.070 χ^2/NDF:7931054.0/38

Out: 441.476+/-0.067 χ^2/NDF:7847568.8/42

All: 450.114+/-0.049 χ^2/NDF: 15812923.1/81



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

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

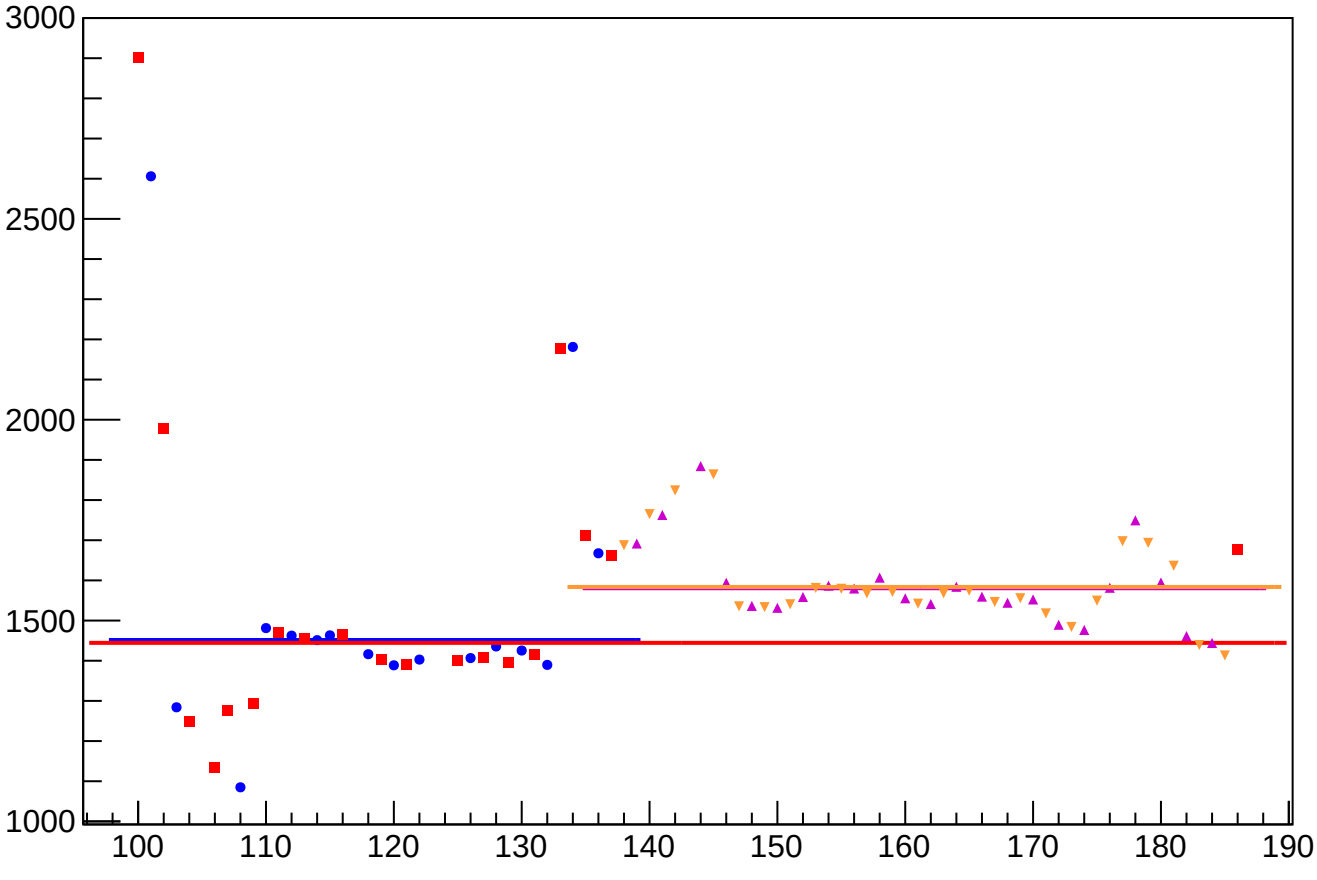
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 179.732+/-382.934 χ^2/NDF: 45.8/34

In: 164.378+/-306.809 χ^2/NDF:37.6/38

Out: 47.999+/-303.185 χ^2/NDF:54.2/42

All: 105.497+/-215.654 χ^2/NDF: 91.9/81



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

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

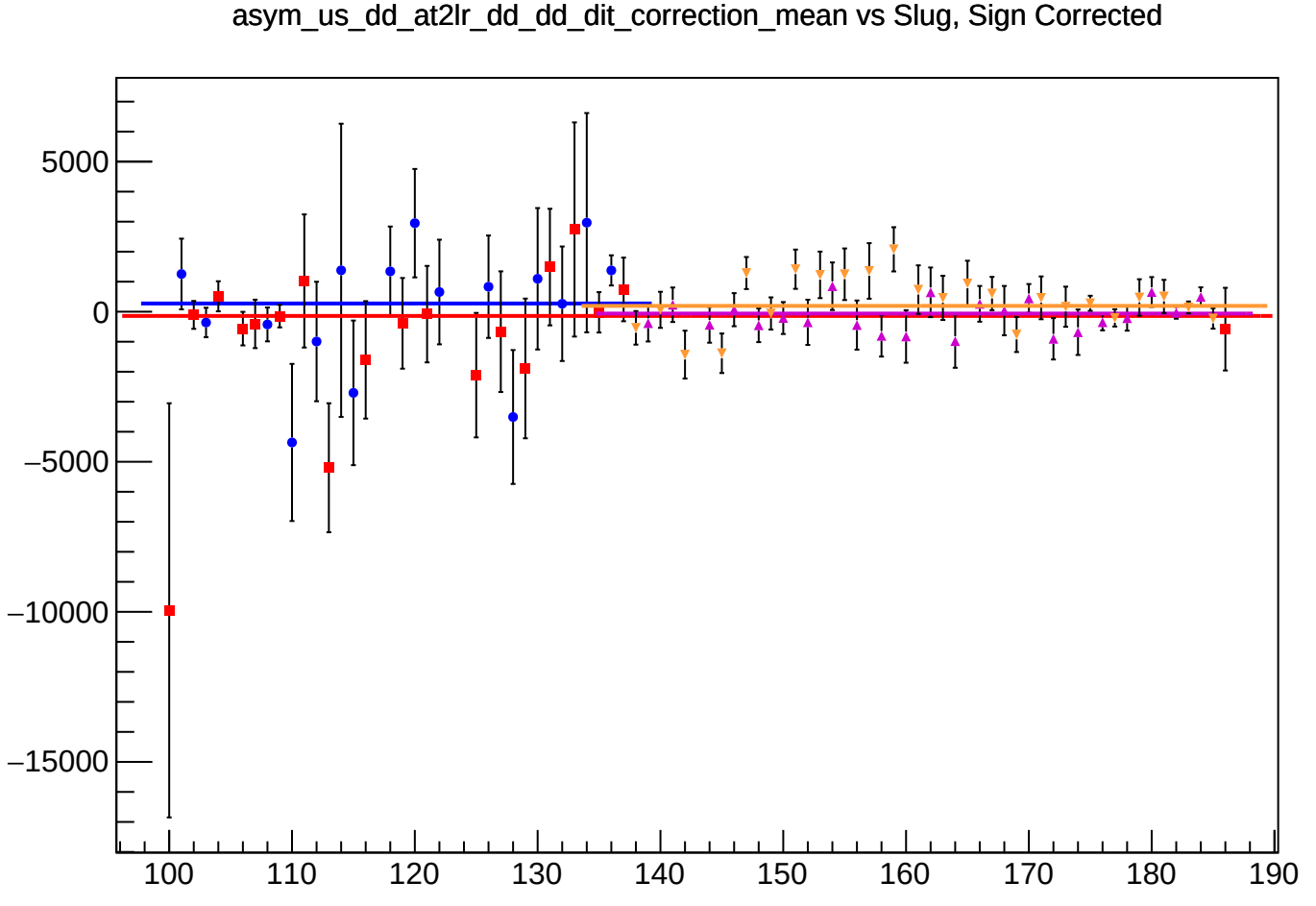
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1447.949+/-0.271 χ^2/NDF: 833312.7/34

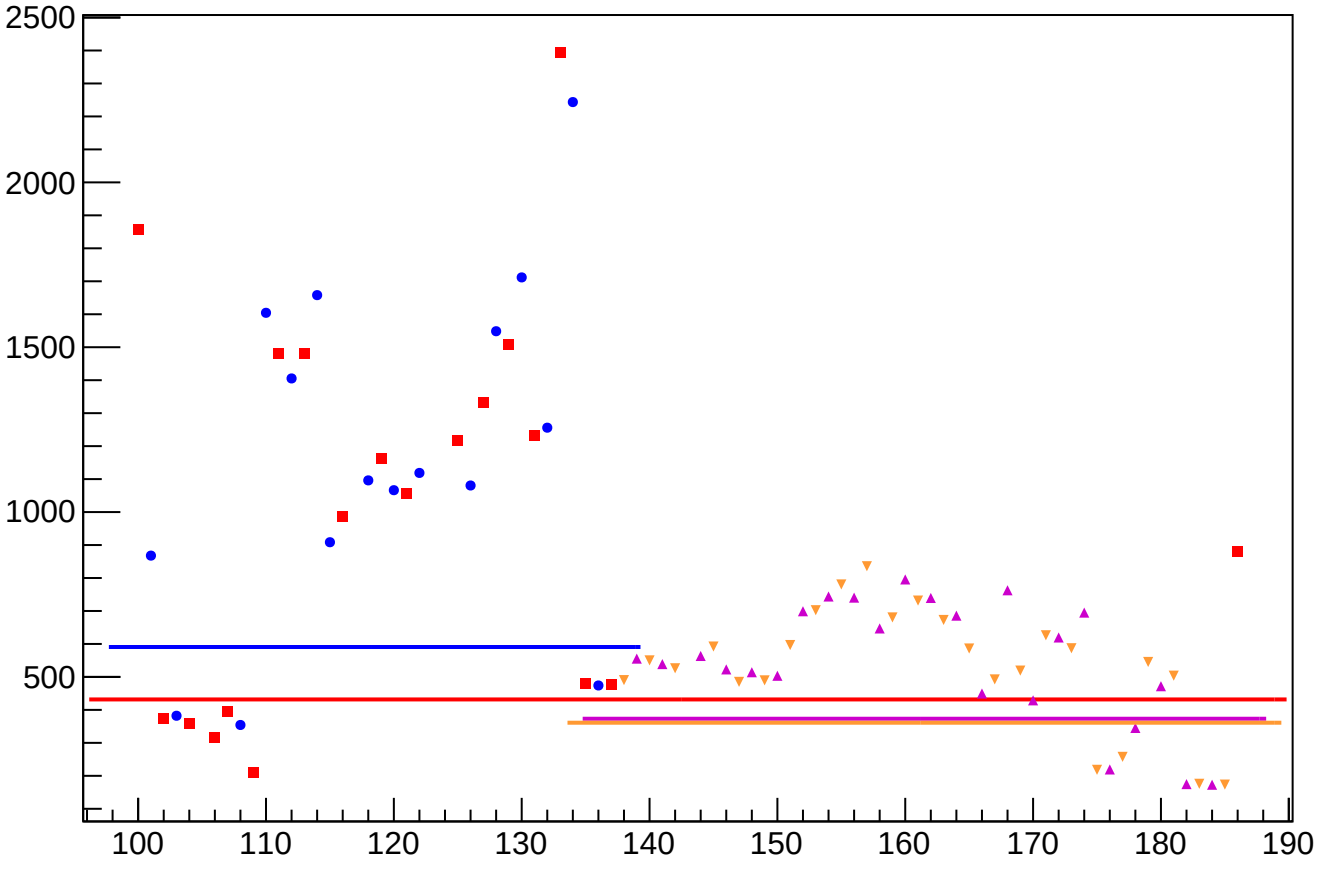
In: 1540.305+/-0.217 χ^2/NDF:689288.3/38

Out: 1538.786+/-0.214 χ^2/NDF:570949.6/42

All: 1539.536+/-0.152 χ^2/NDF: 1260262.7/81


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 273.439+/-260.537 χ²/NDF: 20.2/15
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -141.476+/-193.982 χ²/NDF: 14.5/18
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: 6.501+/-155.592 χ²/NDF: 36.4/34
In: -19.300+/-93.129 χ²/NDF:38.7/38
Out: 127.561+/-85.963 χ²/NDF:57.0/42
All: 59.997+/-63.167 χ²/NDF: 97.0/81

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 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

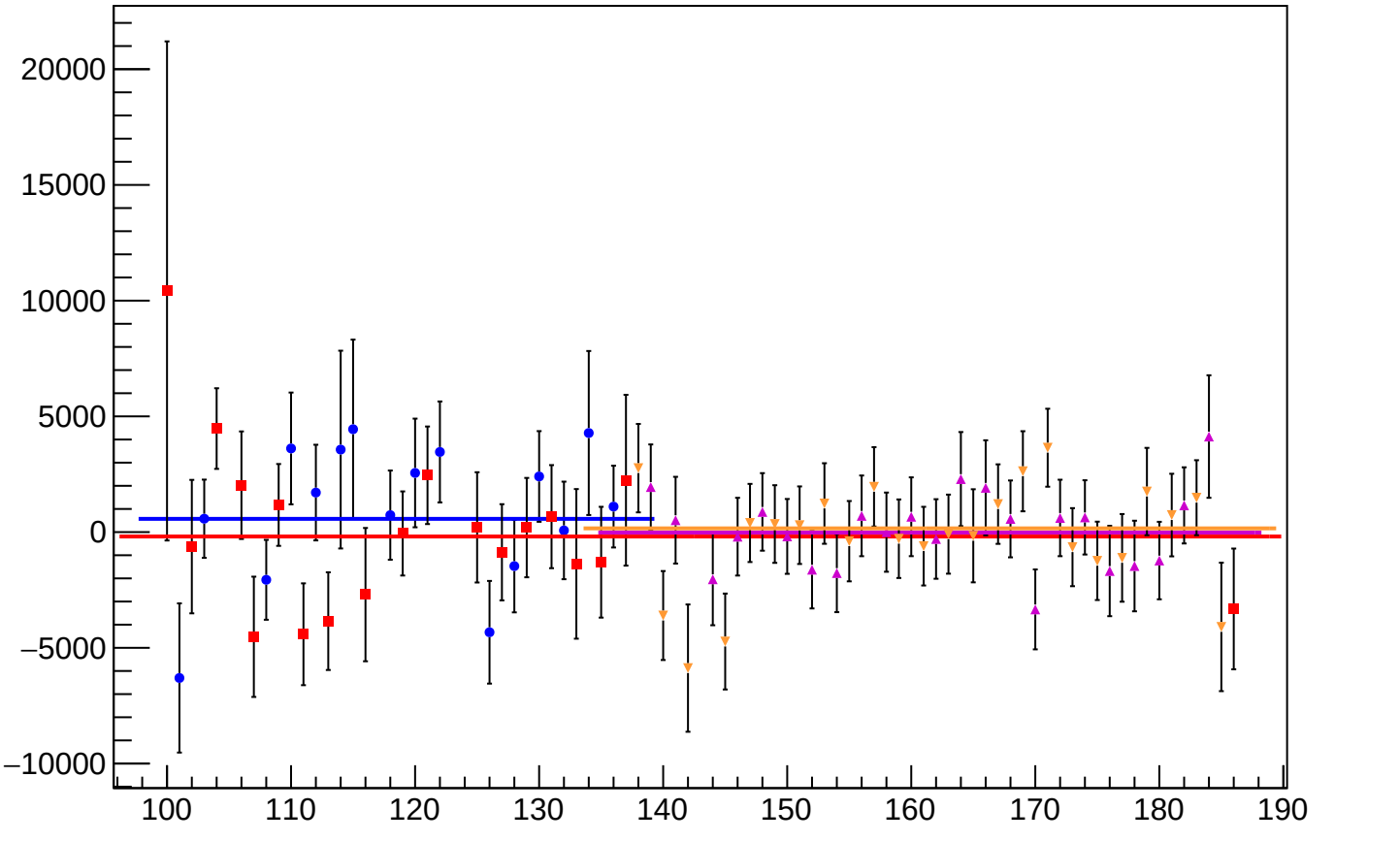
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 488.421+/-0.110 χ^2/NDF: 9439122.6/34

In: 400.944+/-0.066 χ^2/NDF:13309815.1/38

Out: 374.964+/-0.061 χ^2/NDF:13470069.1/42

All: 386.916+/-0.045 χ^2/NDF: 26863929.0/81



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

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

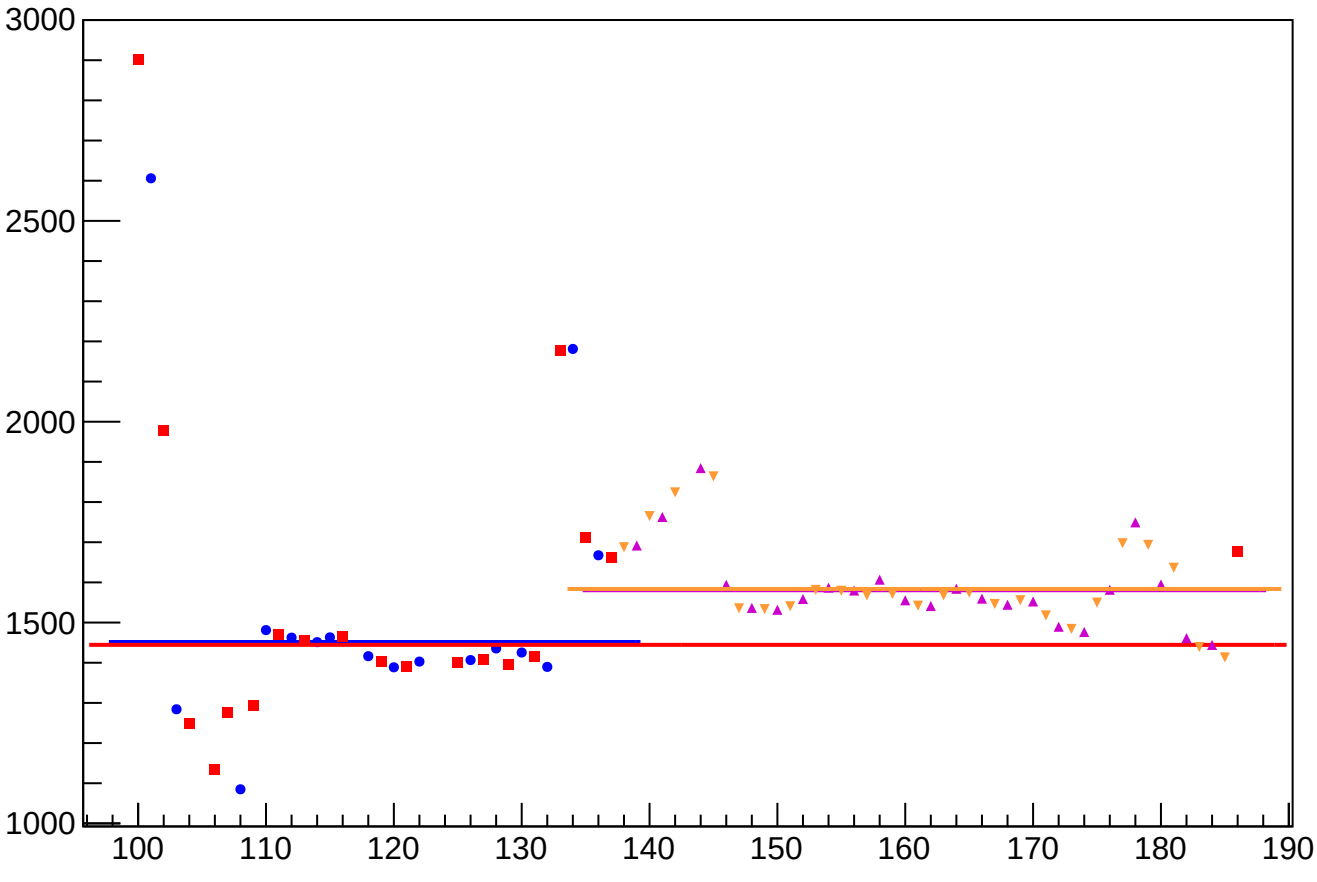
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 179.734+/-382.934 χ^2/NDF: 45.8/34

In: 164.379+/-306.809 χ^2/NDF:37.6/38

Out: 47.998+/-303.185 χ^2/NDF:54.2/42

All: 105.497+/-215.654 χ^2/NDF: 91.9/81



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

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

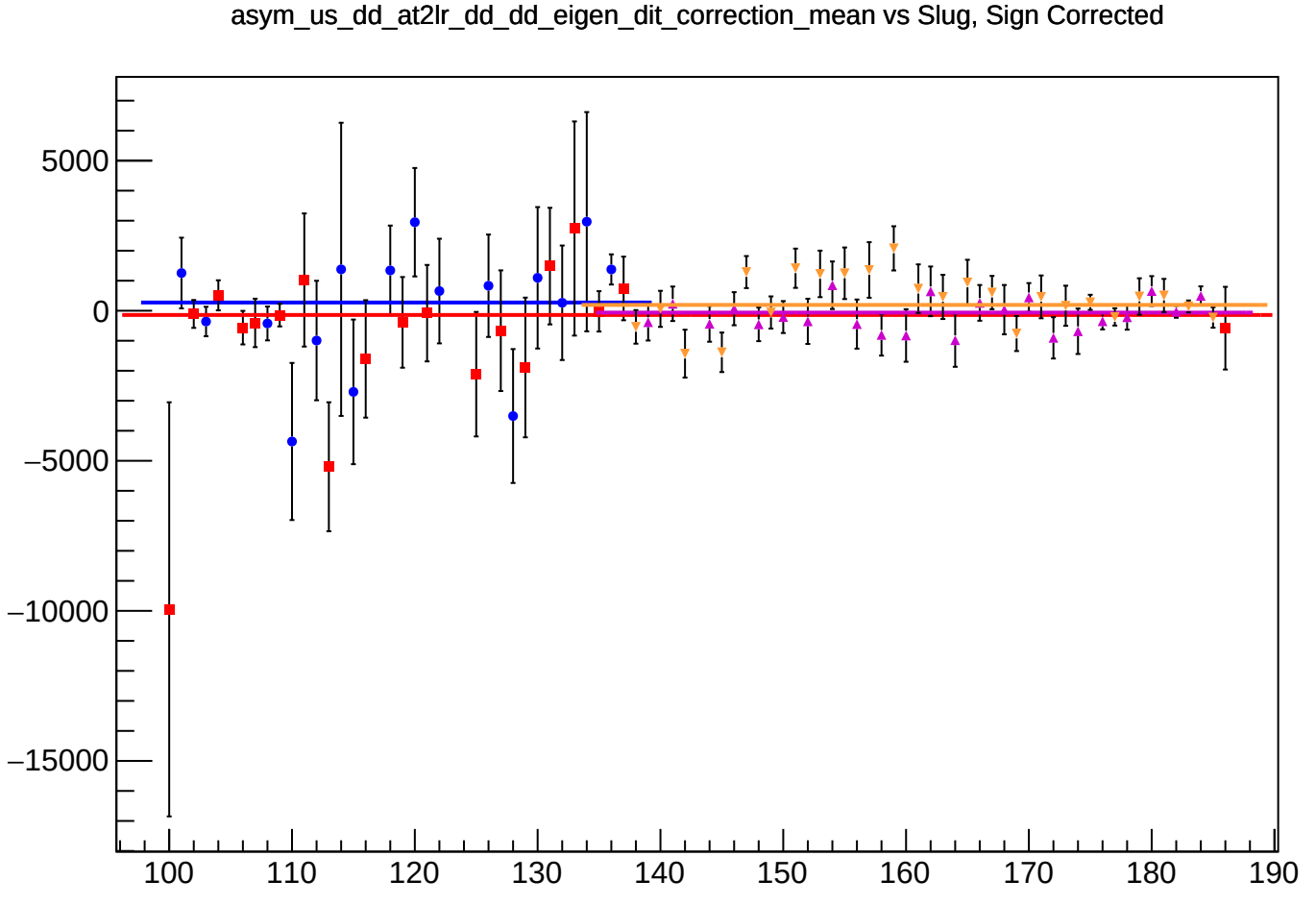
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1447.949+/-0.271 χ^2/NDF: 833312.4/34

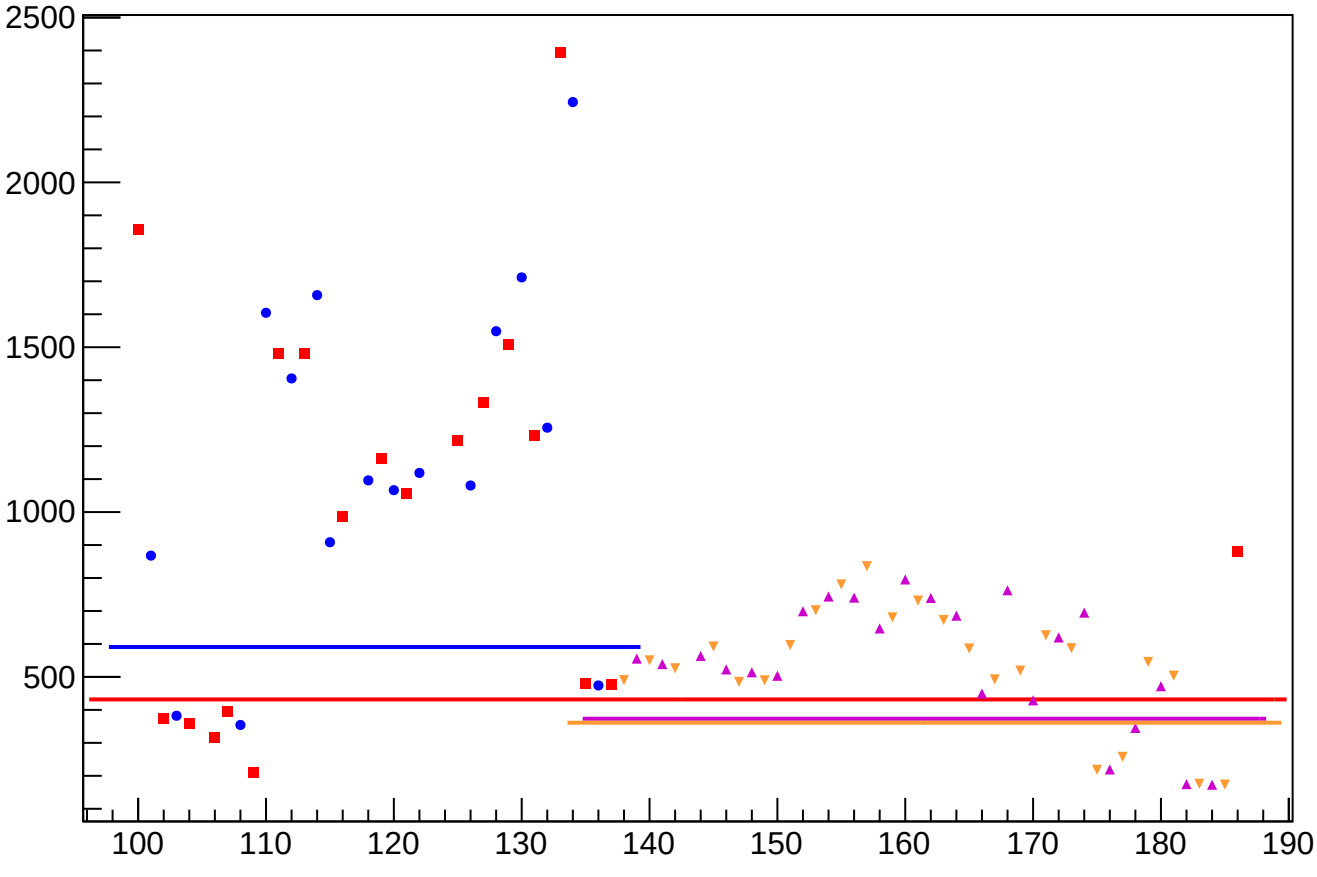
In: 1540.305+/-0.217 χ^2/NDF:689287.5/38

Out: 1538.786+/-0.214 χ^2/NDF:570949.7/42

All: 1539.536+/-0.152 χ^2/NDF: 1260262.0/81


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: 273.429+/-260.536 χ²/NDF: 20.2/15
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: 6.503+/-155.592 χ²/NDF: 36.4/34
In: -19.299+/-93.130 χ²/NDF:38.7/38
Out: 127.566+/-85.964 χ²/NDF:57.0/42
All: 60.001+/-63.167 χ²/NDF: 97.0/81

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 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

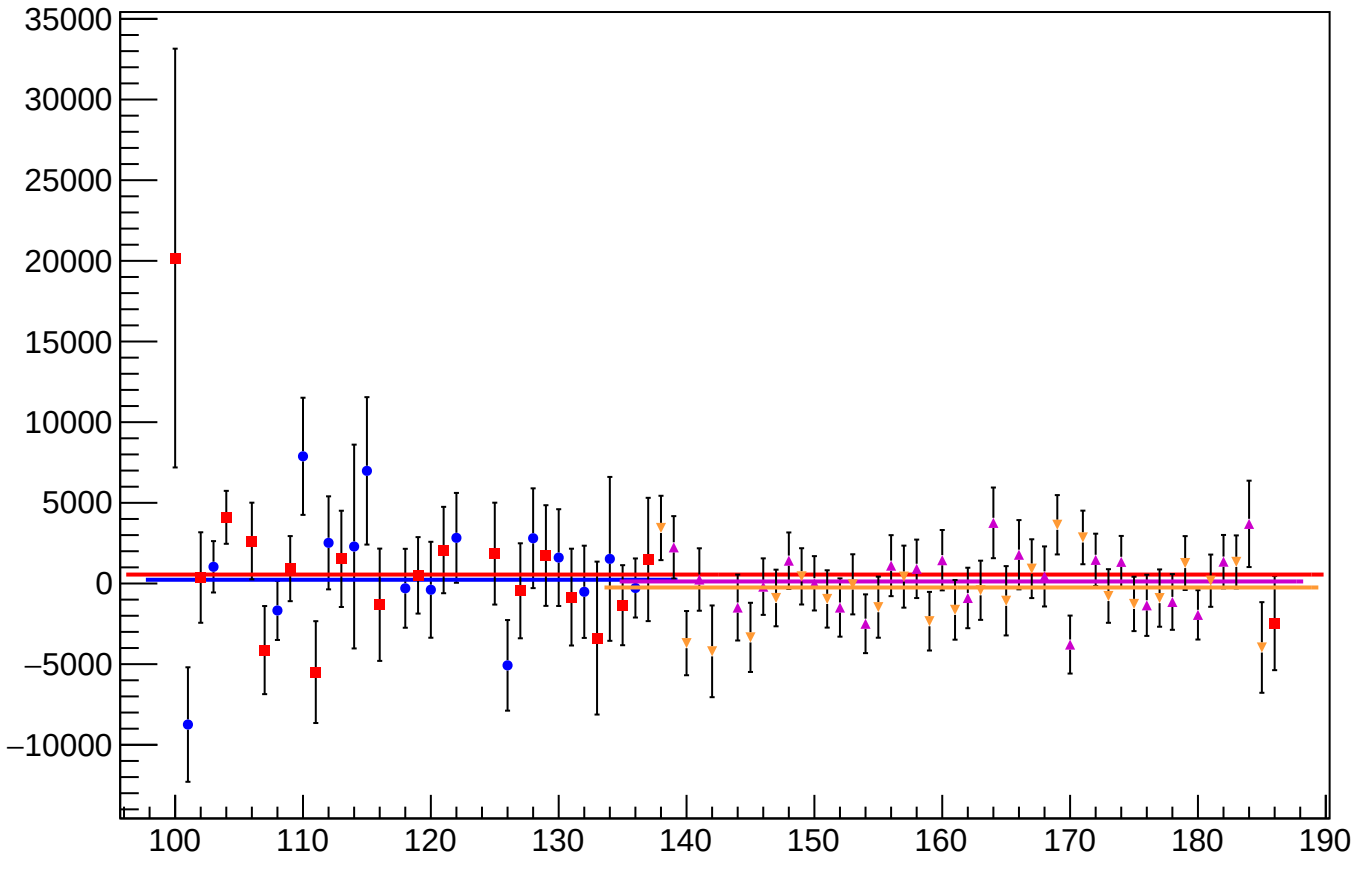
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 488.425+/-0.110 χ^2/NDF: 9439014.9/34

In: 400.949+/-0.066 χ^2/NDF:13309527.4/38

Out: 374.967+/-0.061 χ^2/NDF:13469832.2/42

All: 386.920+/-0.045 χ^2/NDF: 26863406.1/81



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

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

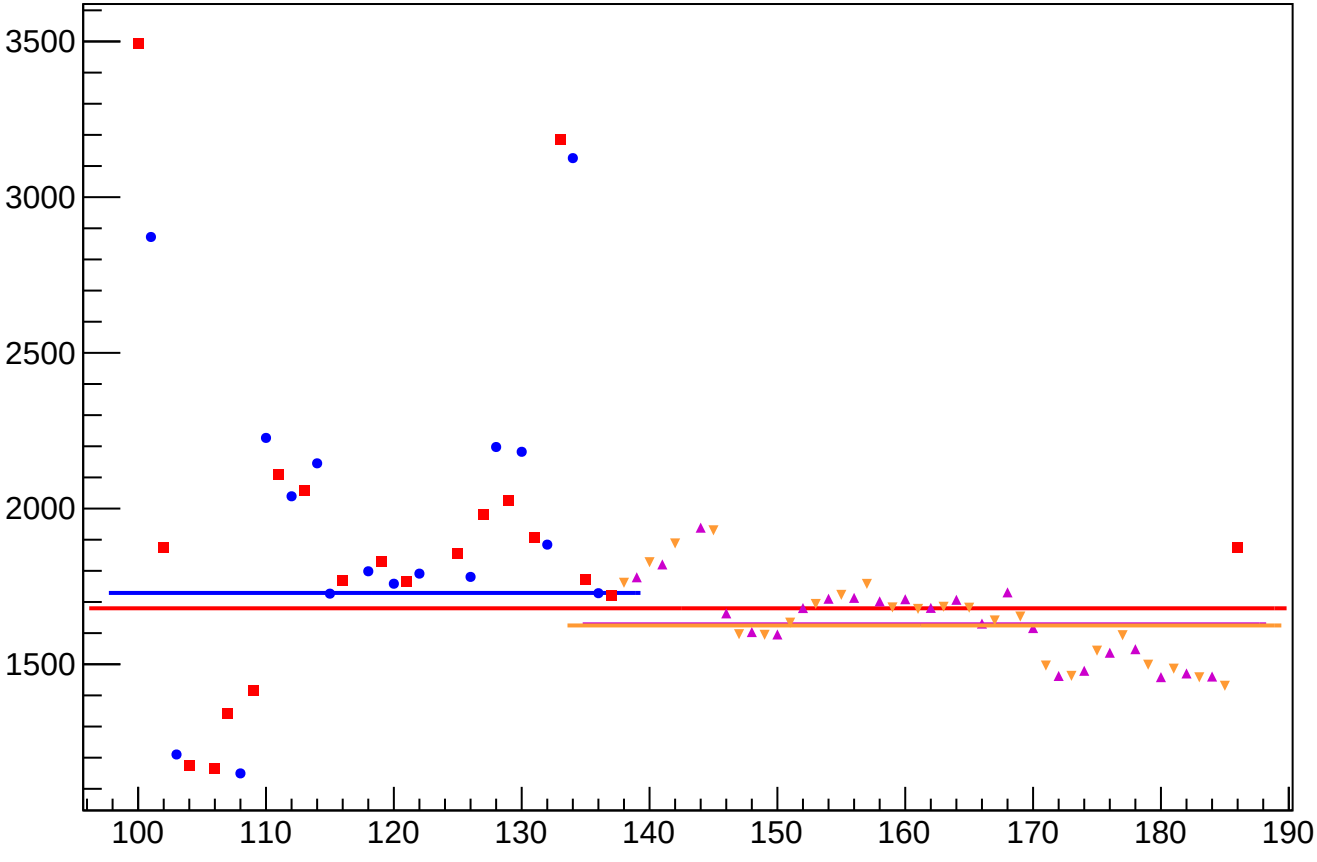
Right: 400.442+/-458.850 χ^2/NDF: 39.0/34

In: 151.934+/-330.938 χ^2/NDF:42.0/38

Out: -36.400+/-324.663 χ^2/NDF:45.4/42

All: 55.965+/-231.758 χ^2/NDF: 87.5/81

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 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

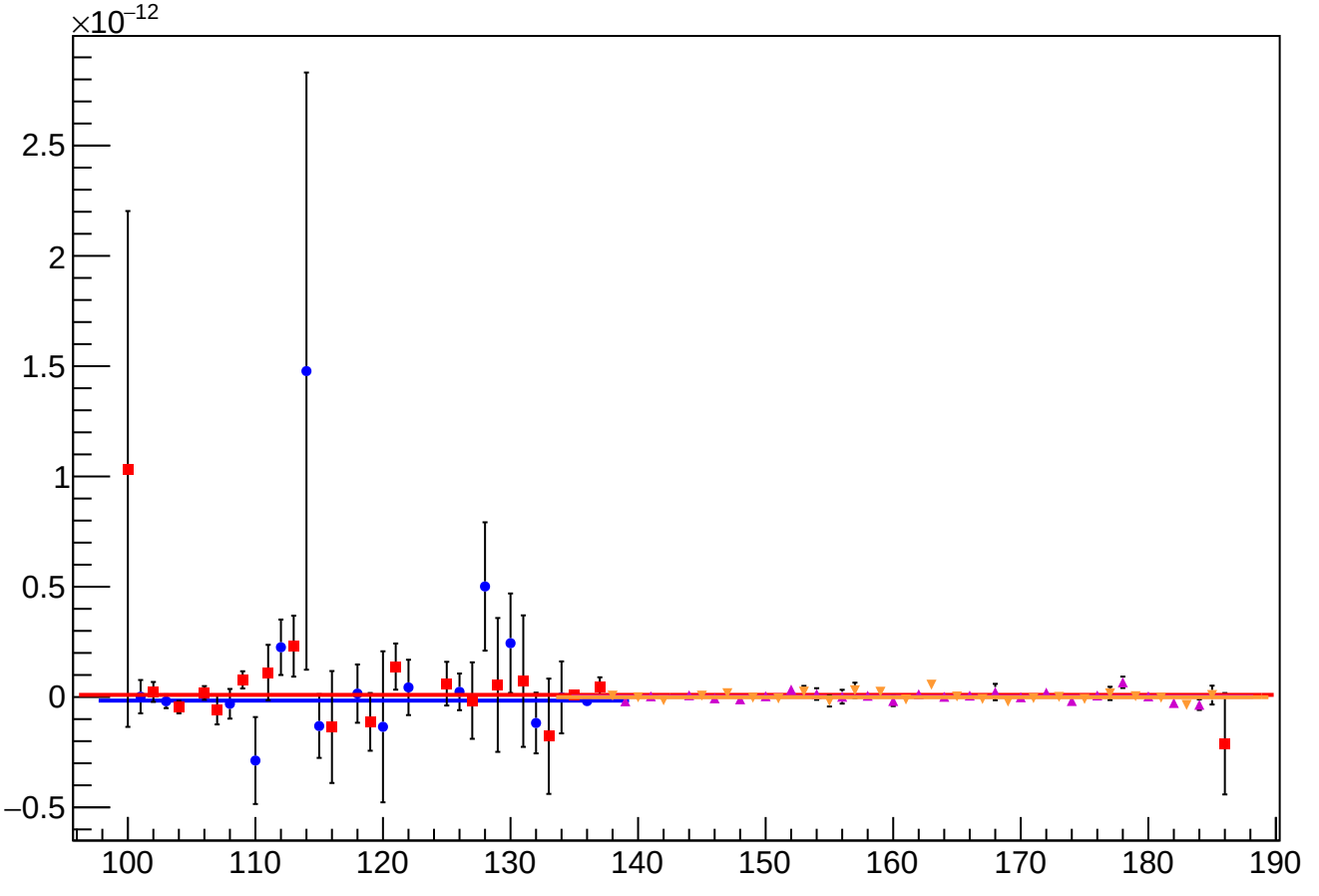
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1703.121+/-0.324 χ^2/NDF: 1701739.0/34

In: 1653.099+/-0.234 χ^2/NDF:1181464.8/38

Out: 1639.118+/-0.230 χ^2/NDF:972329.7/42

All: 1645.975+/-0.164 χ^2/NDF: 2155613.5/81



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

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

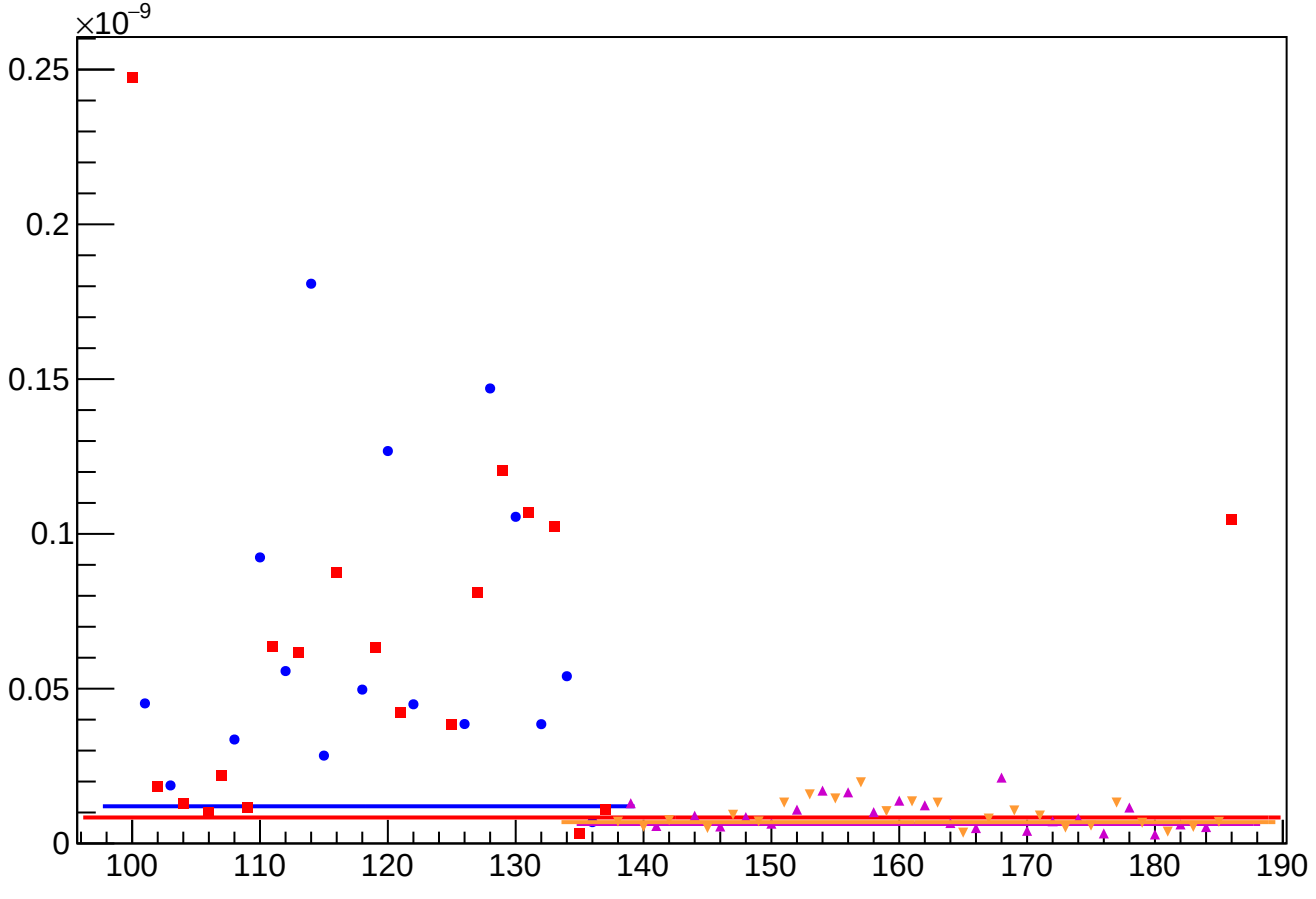
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 34.4/34

In: 0.000+/-0.000 χ^2/NDF:40.3/38

Out: 0.000+/-0.000 χ^2/NDF:41.3/42

All: 0.000+/-0.000 χ^2/NDF: 81.6/81



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

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

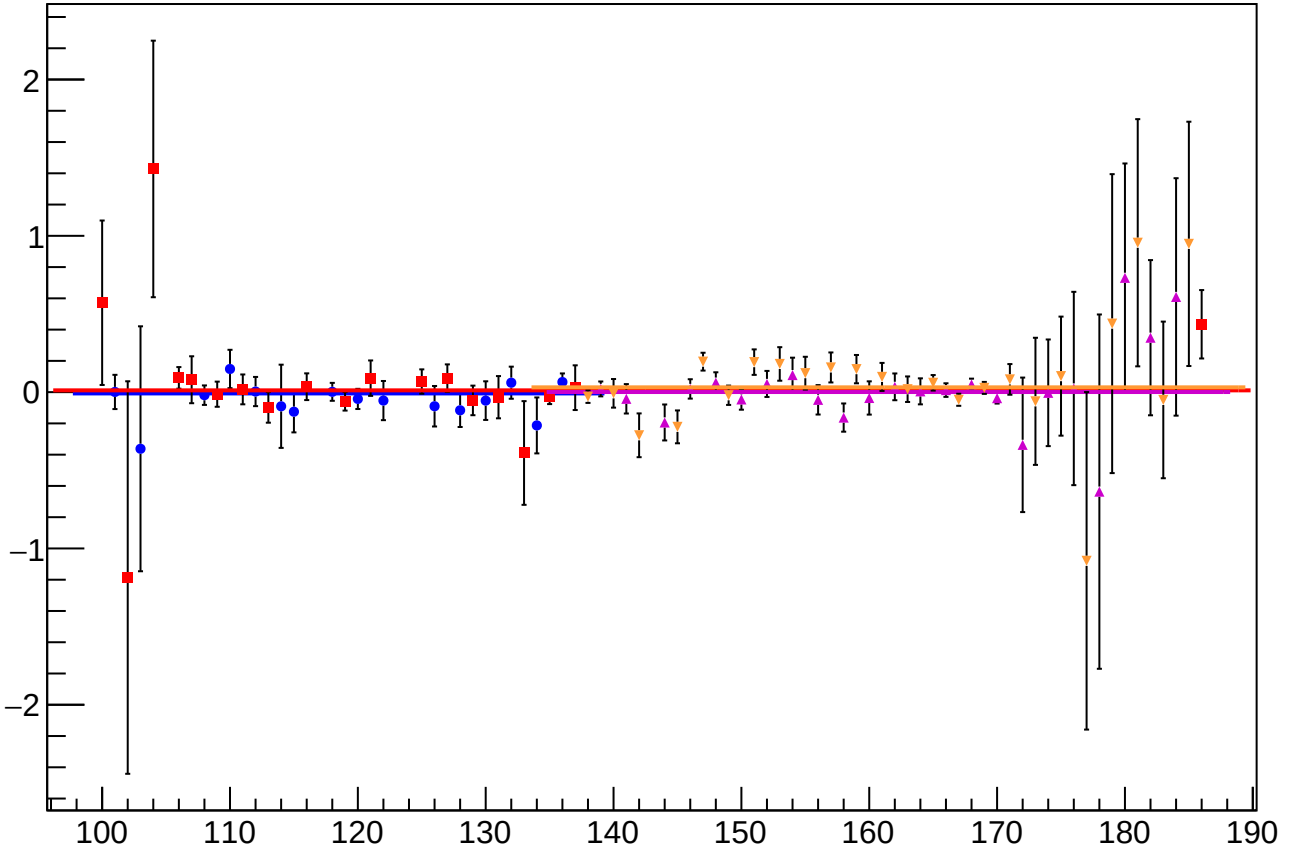
Right: 0.000+/-0.000 χ^2/NDF: 7432992.3/34

In: 0.000+/-0.000 χ^2/NDF:6894016.9/38

Out: 0.000+/-0.000 χ^2/NDF:6173135.6/42

All: 0.000+/-0.000 χ^2/NDF: 13085349.7/81

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-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

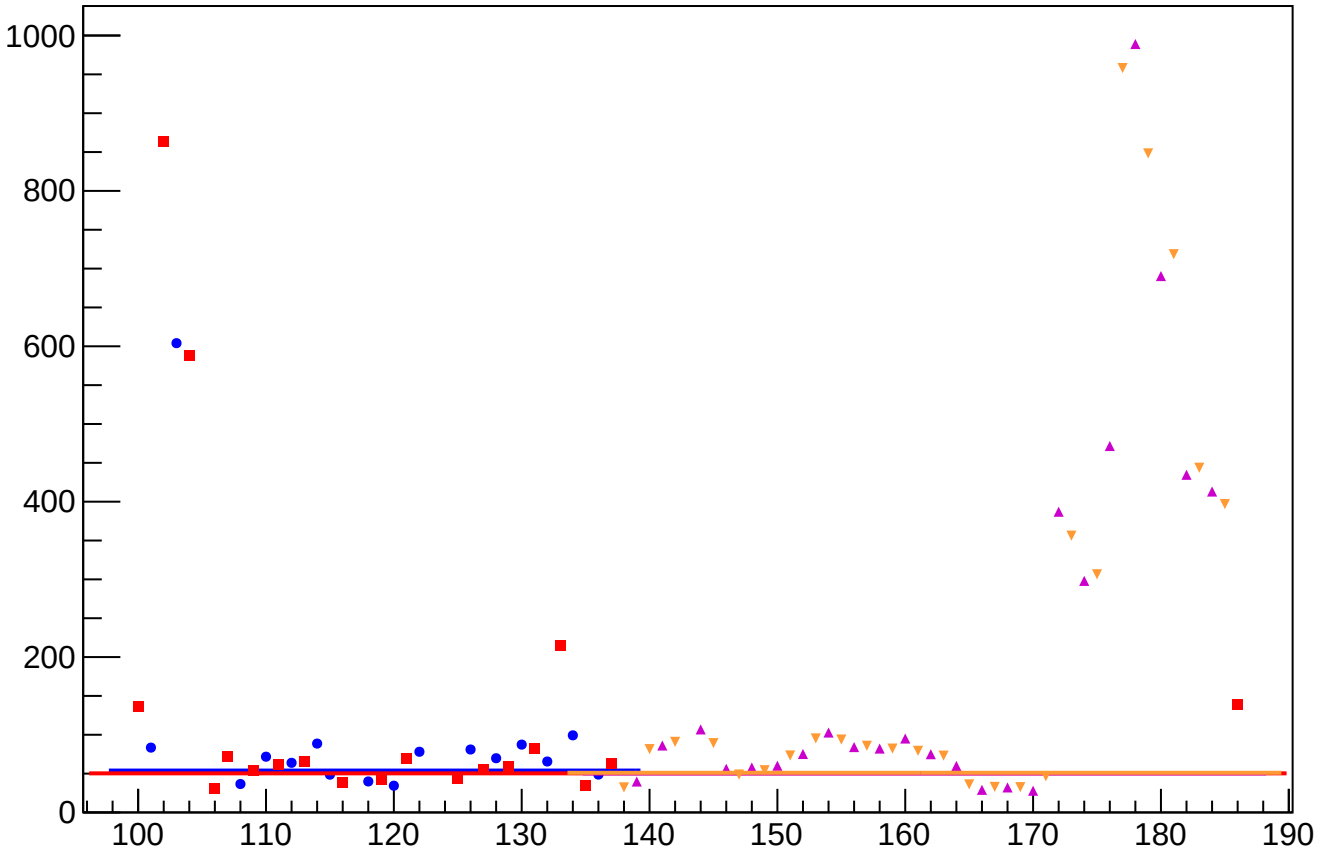
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.002+/-0.016 χ^2/NDF: 26.1/34

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/81



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

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

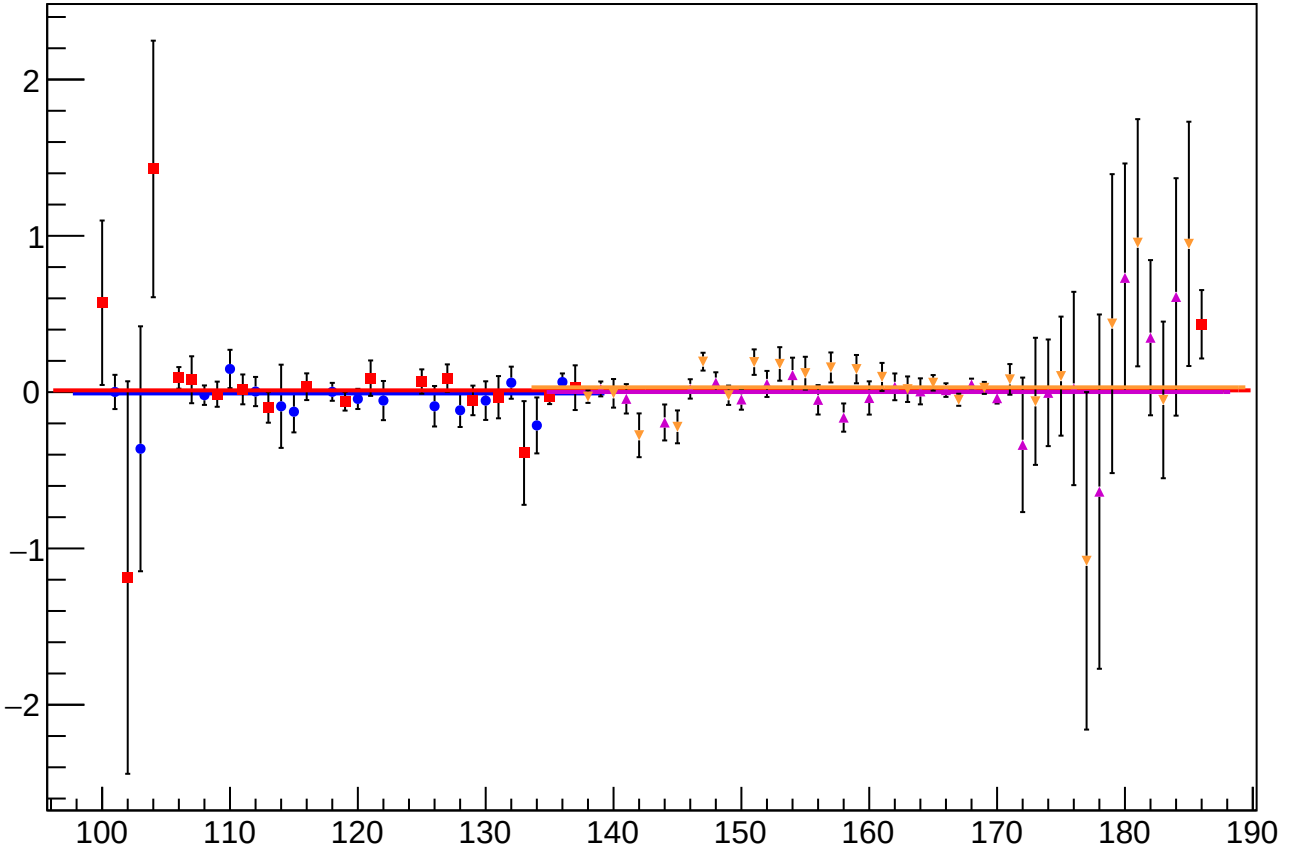
Right: 52.048+/-0.011 χ^2/NDF: 5584553.6/34

In: 51.367+/-0.009 χ^2/NDF:14445308.0/38

Out: 50.833+/-0.009 χ^2/NDF:15083083.2/42

All: 51.099+/-0.006 χ^2/NDF: 29530152.6/81

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-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

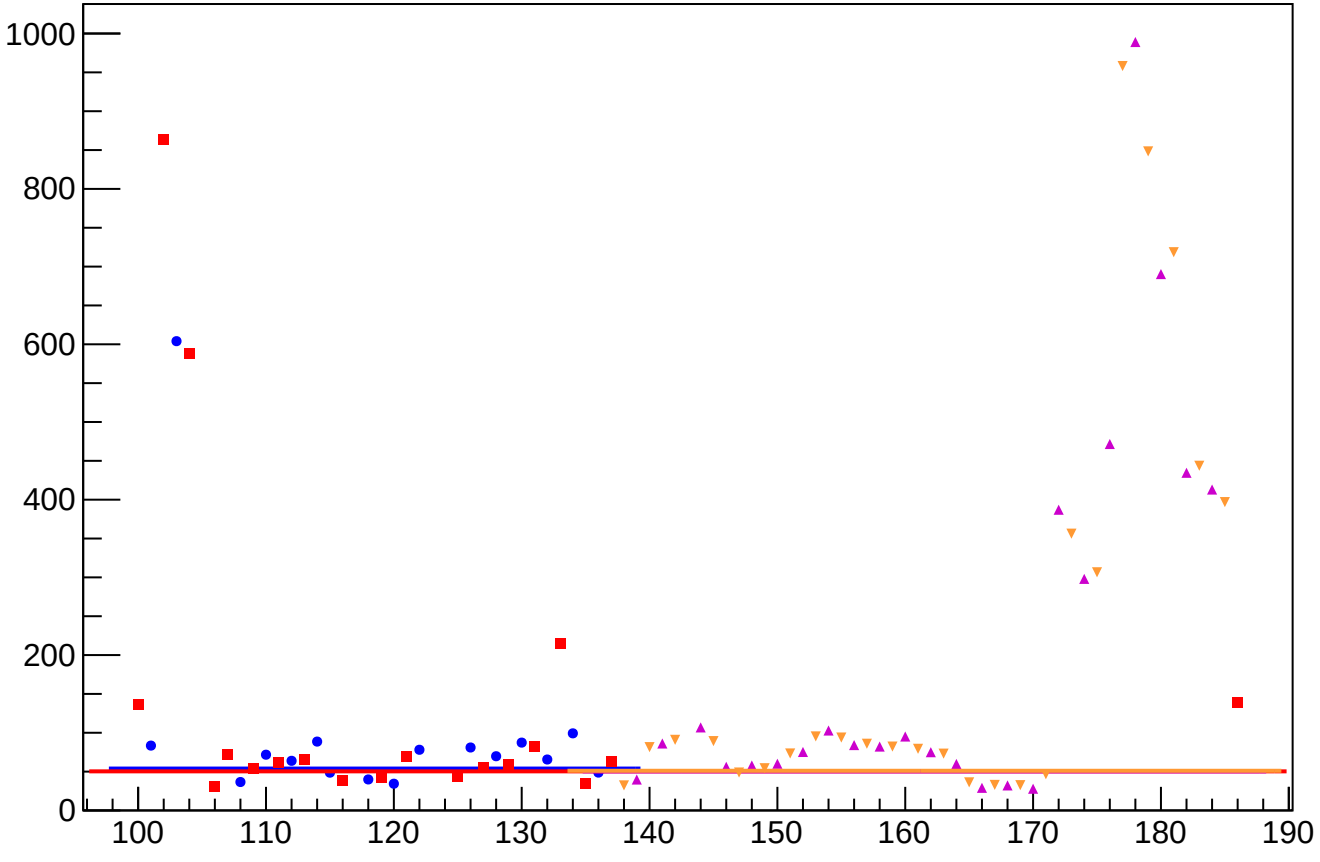
Right: 0.002+/-0.016 χ^2/NDF: 26.1/34

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/81

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 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

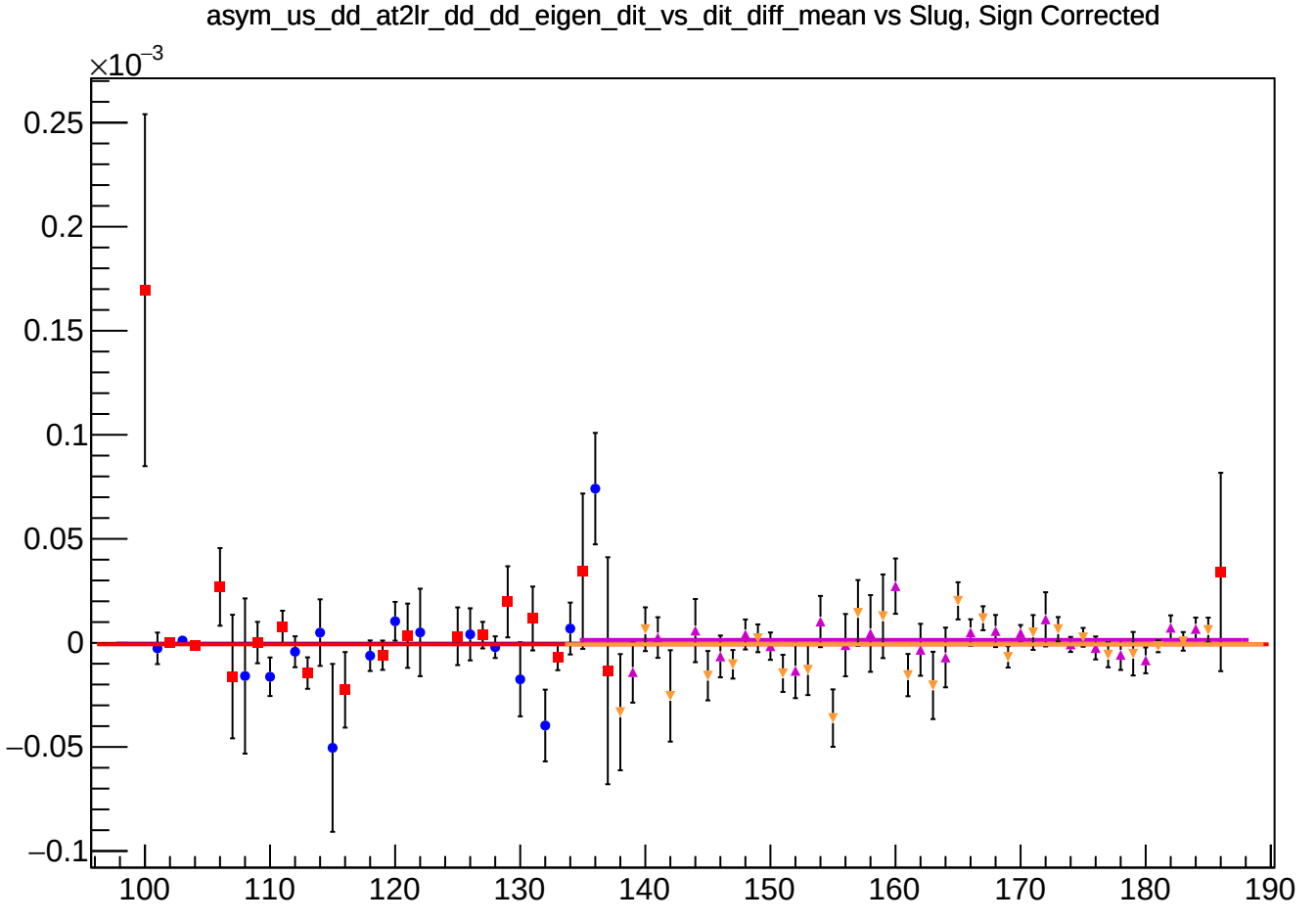
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

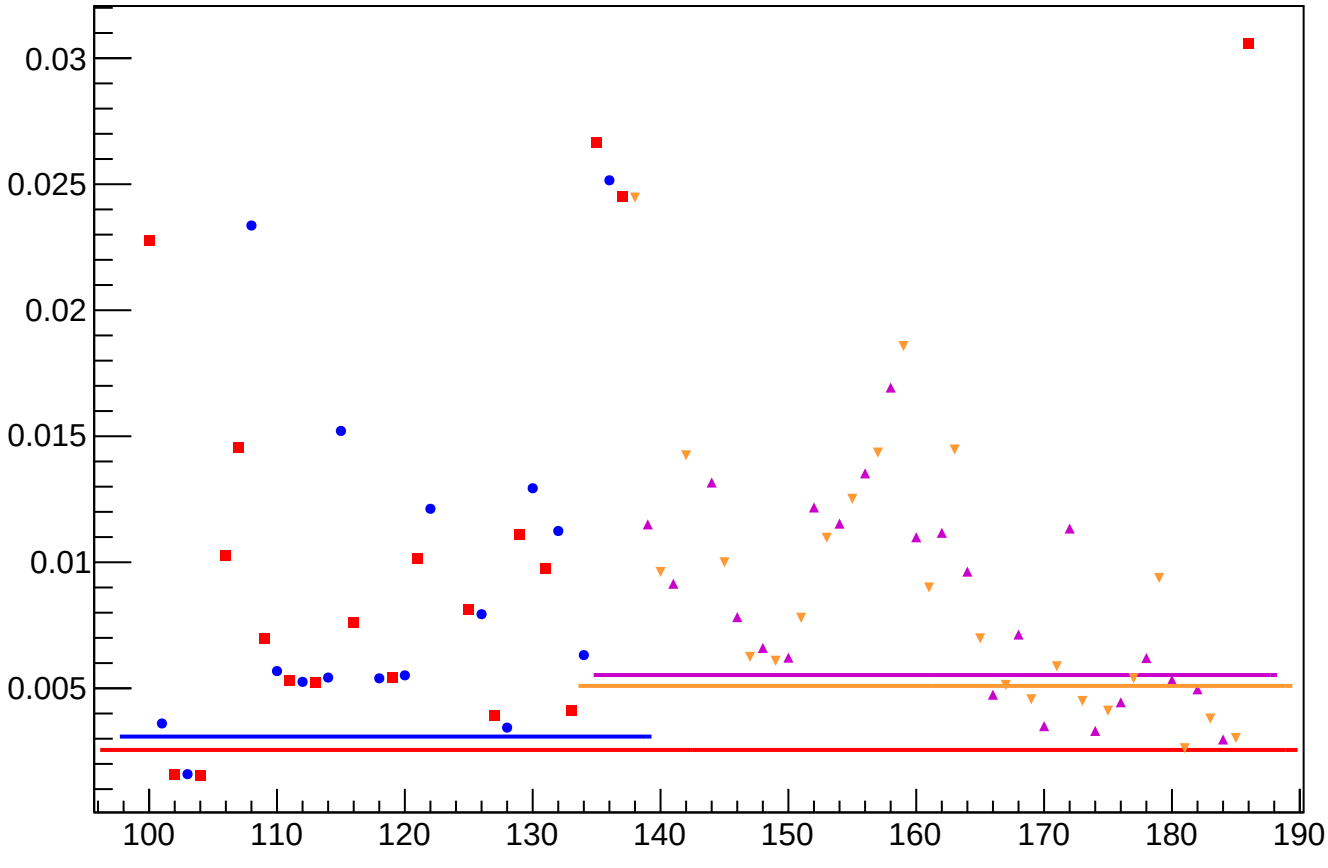
Right: 52.048+/-0.011 χ^2/NDF: 5584553.6/34

In: 51.367+/-0.009 χ^2/NDF:14445308.0/38

Out: 50.833+/-0.009 χ^2/NDF:15083083.2/42

All: 51.099+/-0.006 χ^2/NDF: 29530152.6/81


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 22.1/15
Left Out: -0.000+/-0.000 χ²/NDF:38.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/18
Left In: 0.000+/-0.000 χ²/NDF:16.4/22
Left: 0.000+/-0.000 χ²/NDF: 56.0/46
Right: -0.000+/-0.000 χ²/NDF: 40.5/34
In: 0.000+/-0.000 χ²/NDF:39.2/38
Out: -0.000+/-0.000 χ²/NDF:56.8/42
All: -0.000+/-0.000 χ²/NDF: 96.9/81



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

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

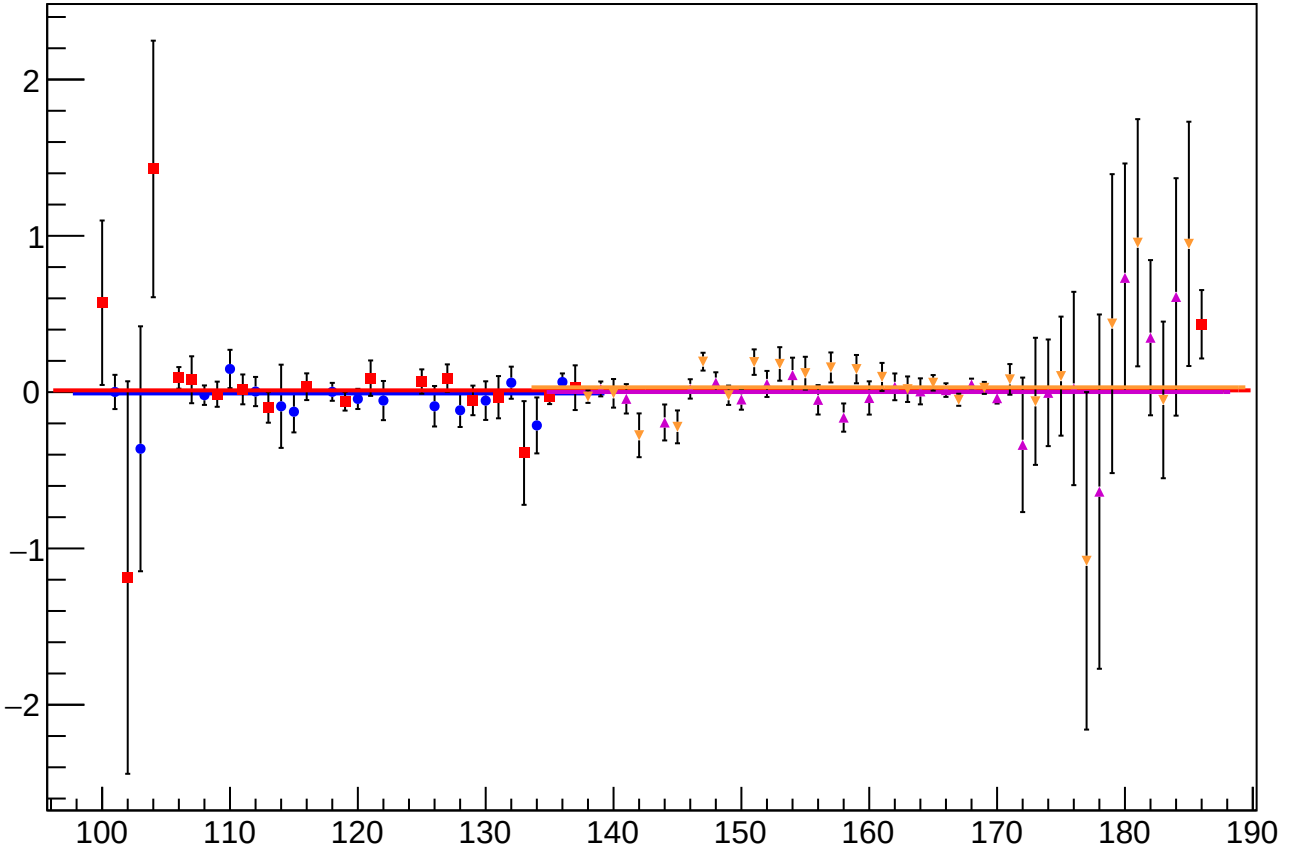
Right: 0.003+/-0.000 χ^2/NDF: 12841028.5/34

In: 0.004+/-0.000 χ^2/NDF:15102036.0/38

Out: 0.004+/-0.000 χ^2/NDF:18950671.0/42

All: 0.004+/-0.000 χ^2/NDF: 34499586.5/81

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-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

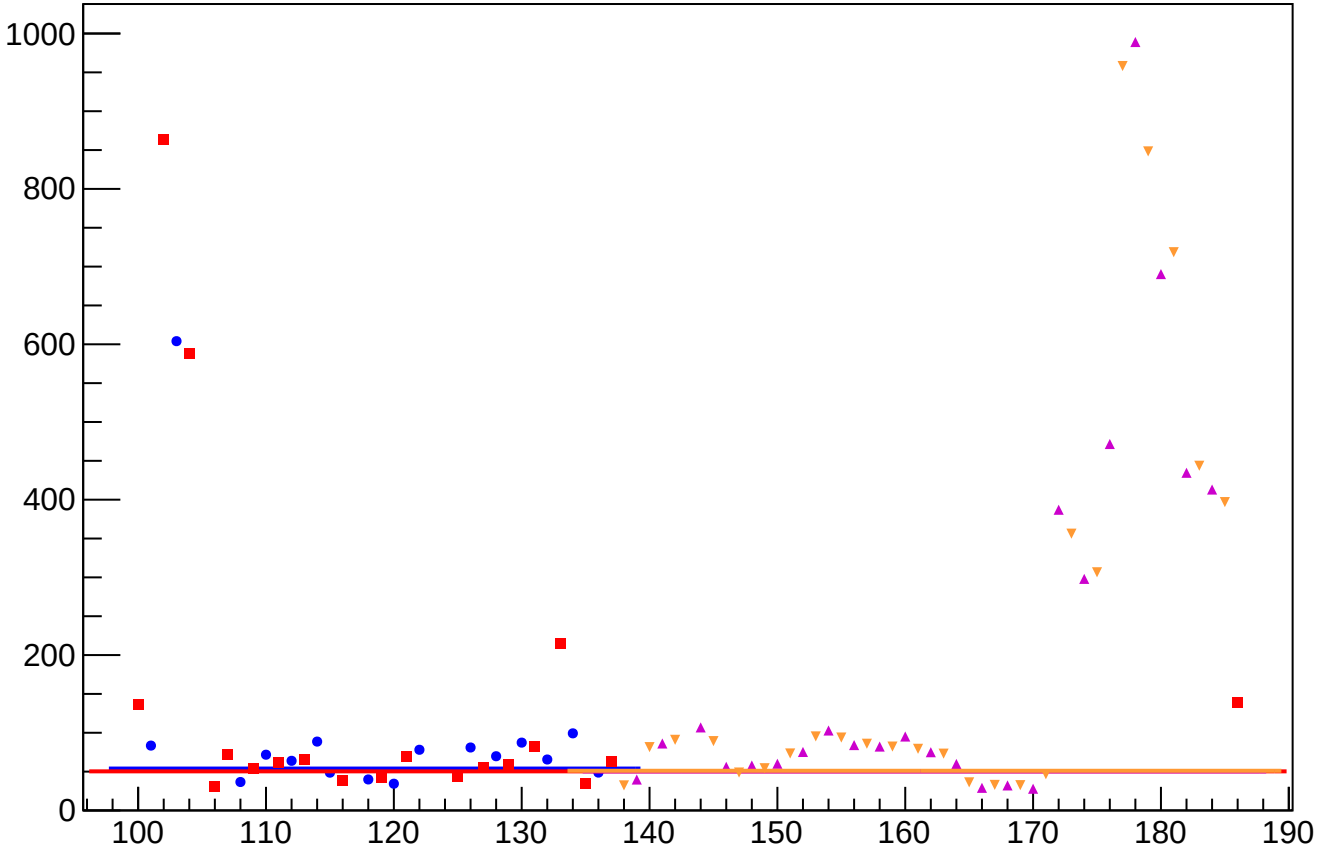
Right: 0.002+/-0.016 χ^2/NDF: 26.1/34

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/81

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 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

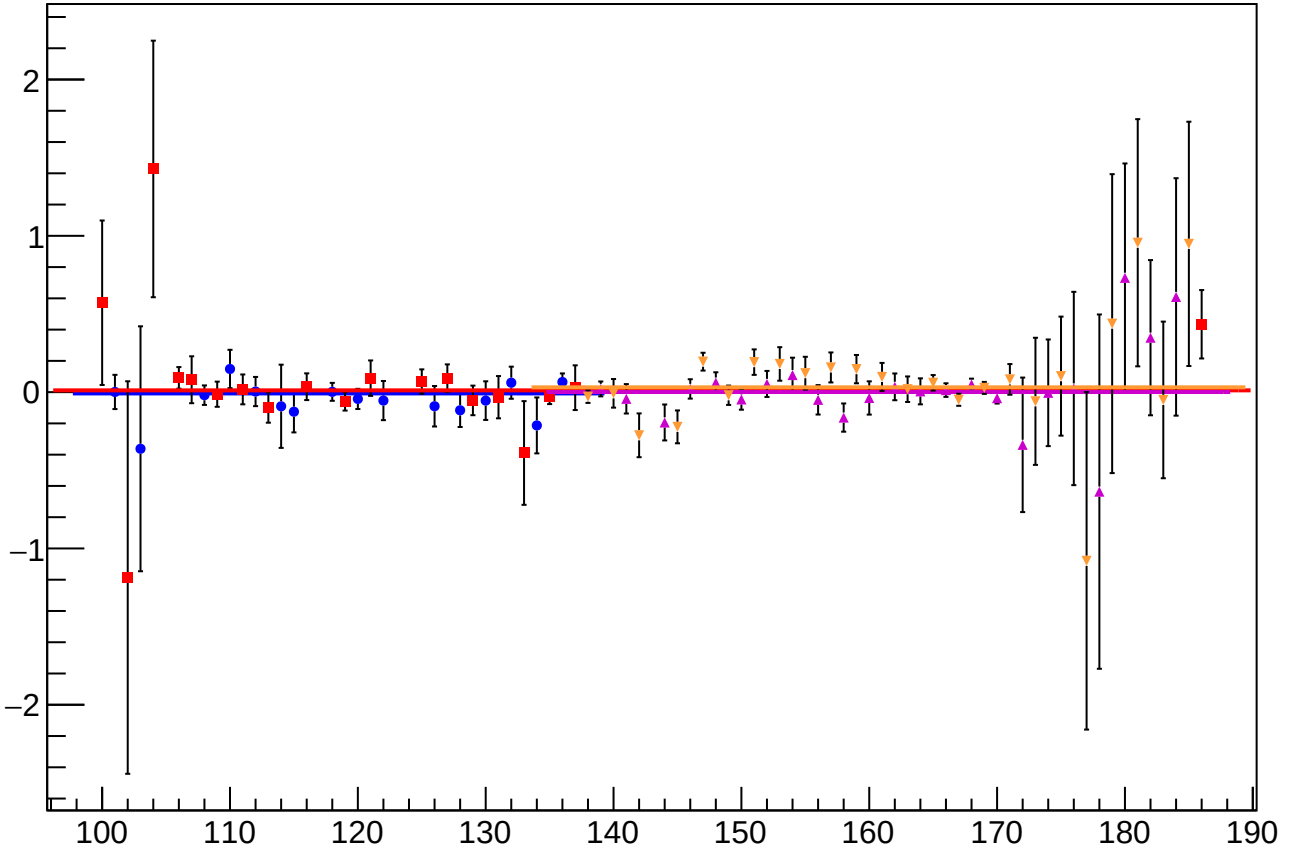
Right: 52.050+/-0.011 χ^2/NDF: 5583895.8/34

In: 51.368+/-0.009 χ^2/NDF:14444912.7/38

Out: 50.836+/-0.009 χ^2/NDF:15081977.5/42

All: 51.100+/-0.006 χ^2/NDF: 29528642.7/81

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.031+/-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

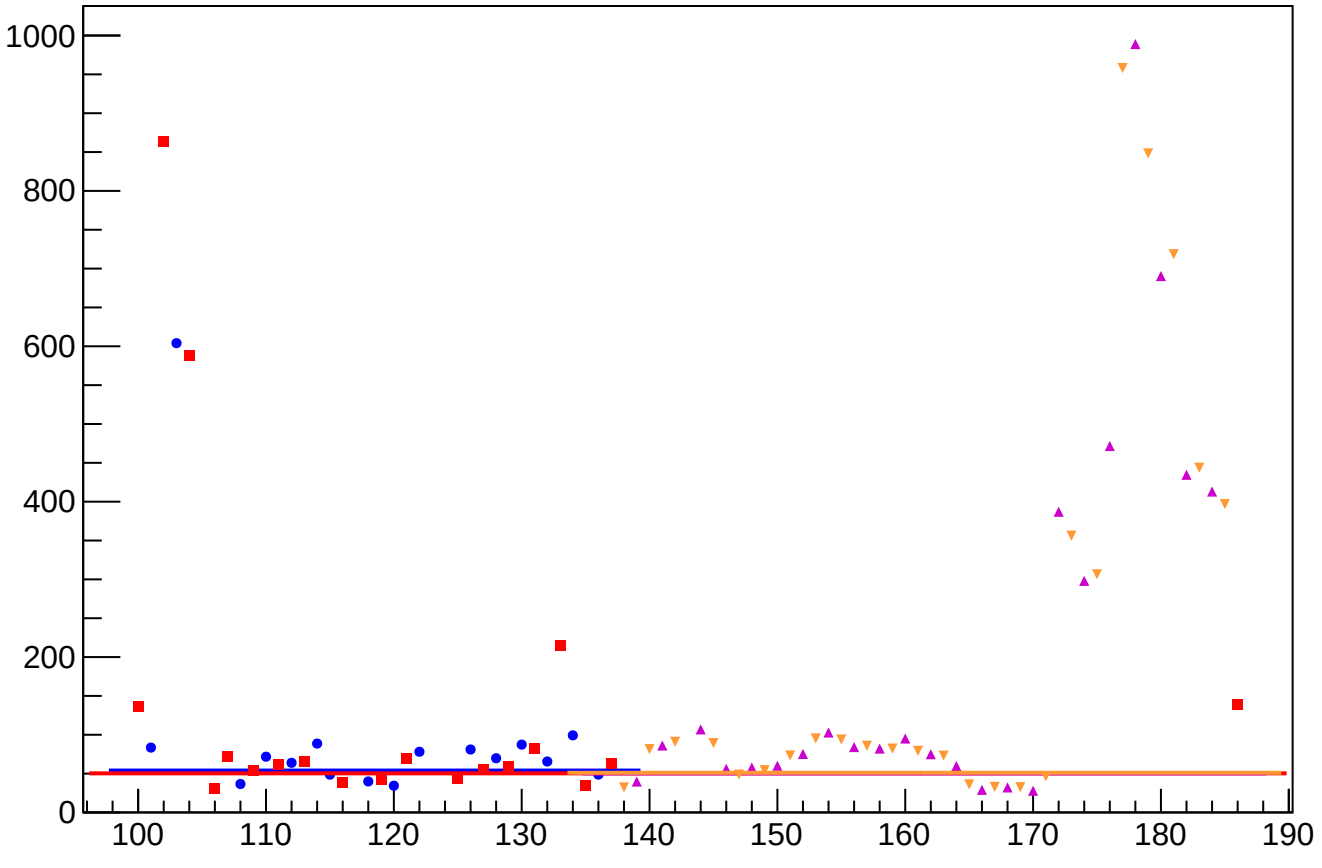
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.002+/-0.016 χ^2/NDF: 26.1/34

In: -0.002+/-0.013 χ^2/NDF:24.4/38

Out: 0.024+/-0.013 χ^2/NDF:59.5/42

All: 0.011+/-0.009 χ^2/NDF: 86.1/81



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

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

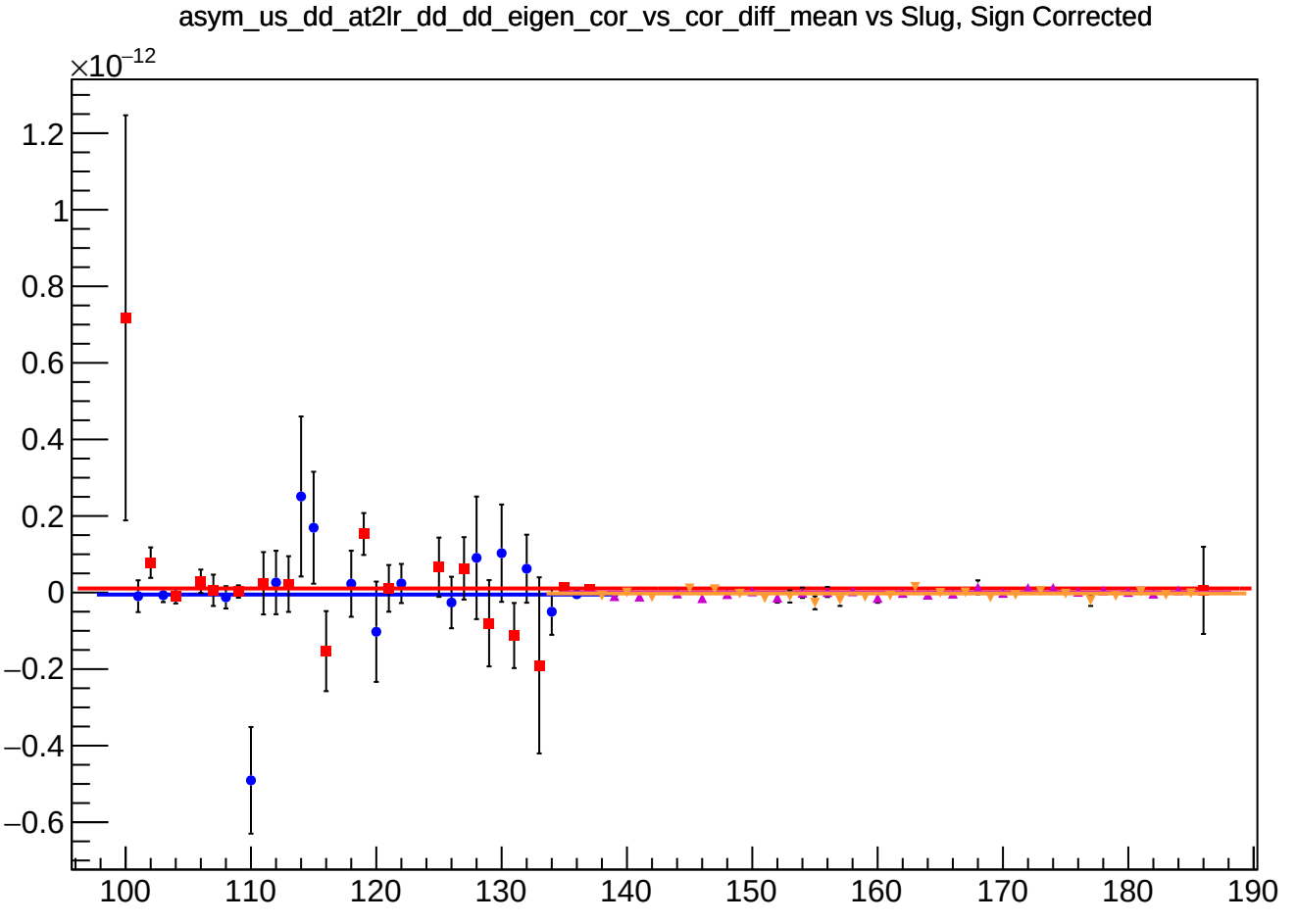
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

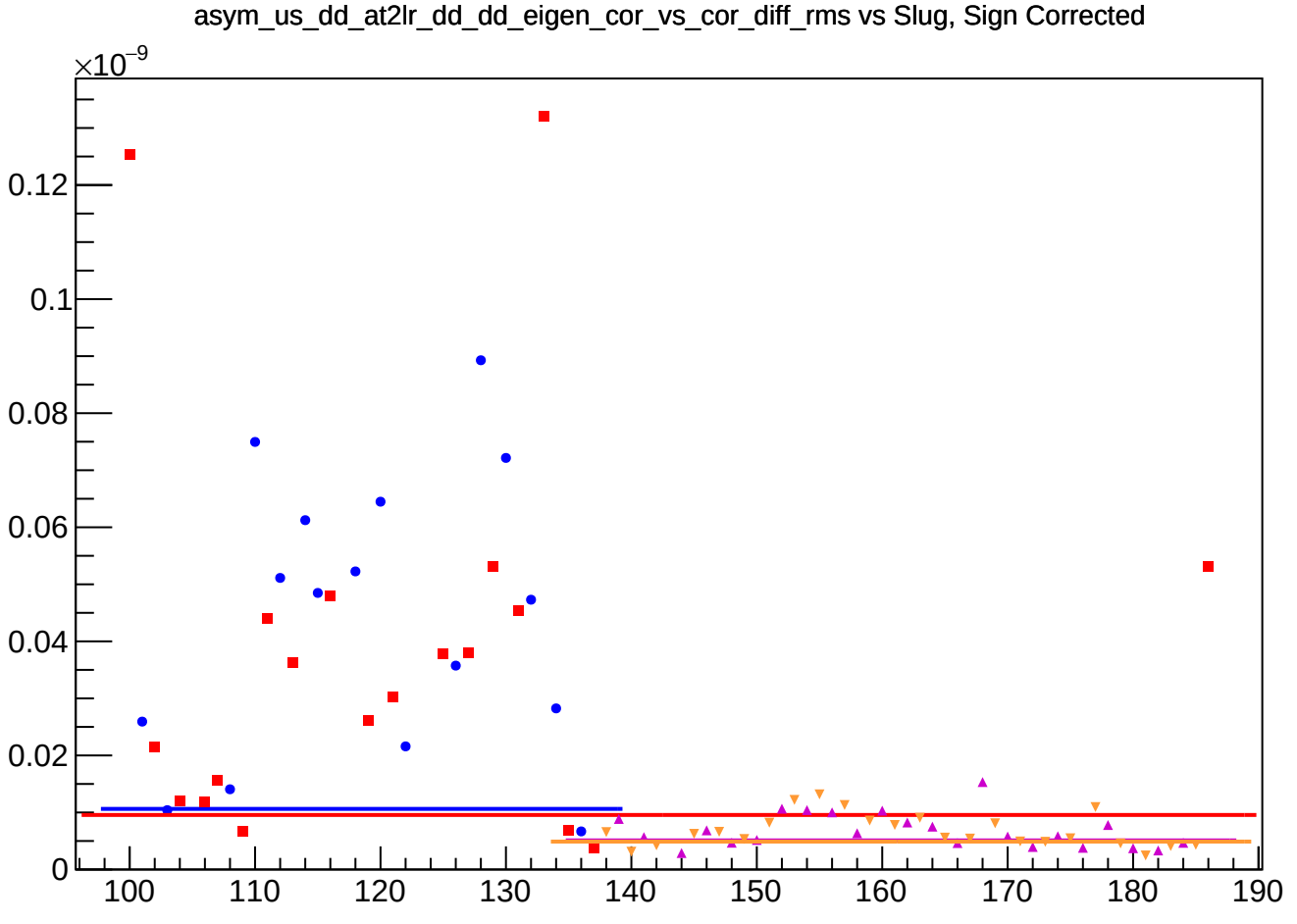
Right: 52.050+/-0.011 χ^2/NDF: 5583895.8/34

In: 51.368+/-0.009 χ^2/NDF:14444912.7/38

Out: 50.836+/-0.009 χ^2/NDF:15081977.5/42

All: 51.100+/-0.006 χ^2/NDF: 29528642.7/81


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 41.4/46
Right: 0.000+/-0.000 χ²/NDF: 41.5/34
In: -0.000+/-0.000 χ²/NDF:37.3/38
Out: -0.000+/-0.000 χ²/NDF:46.1/42
All: -0.000+/-0.000 χ²/NDF: 83.8/81



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

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

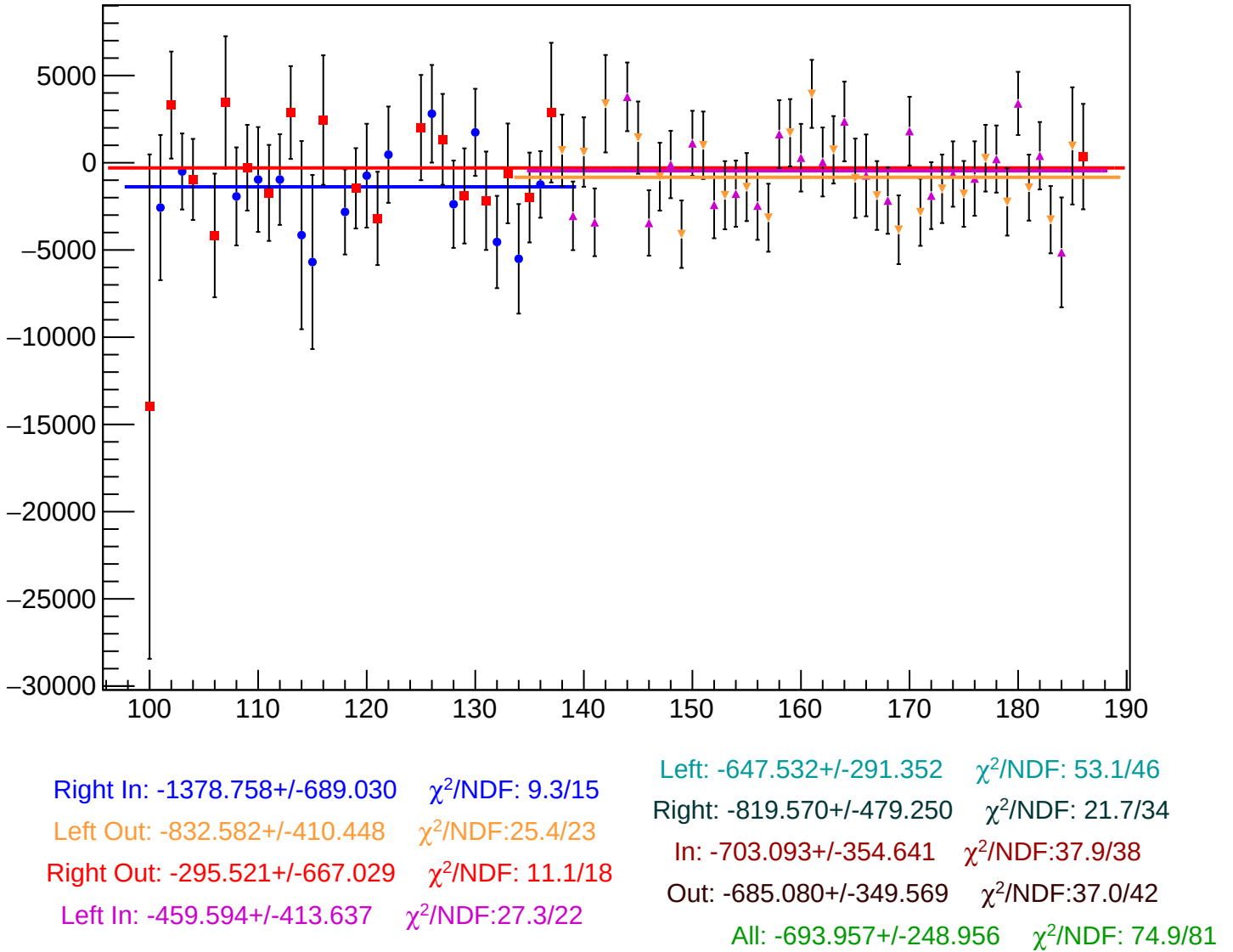
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 8905571.4/34

In: 0.000+/-0.000 χ^2/NDF:9575462.1/38

Out: 0.000+/-0.000 χ^2/NDF:9628313.9/42

All: 0.000+/-0.000 χ^2/NDF: 19229436.6/81


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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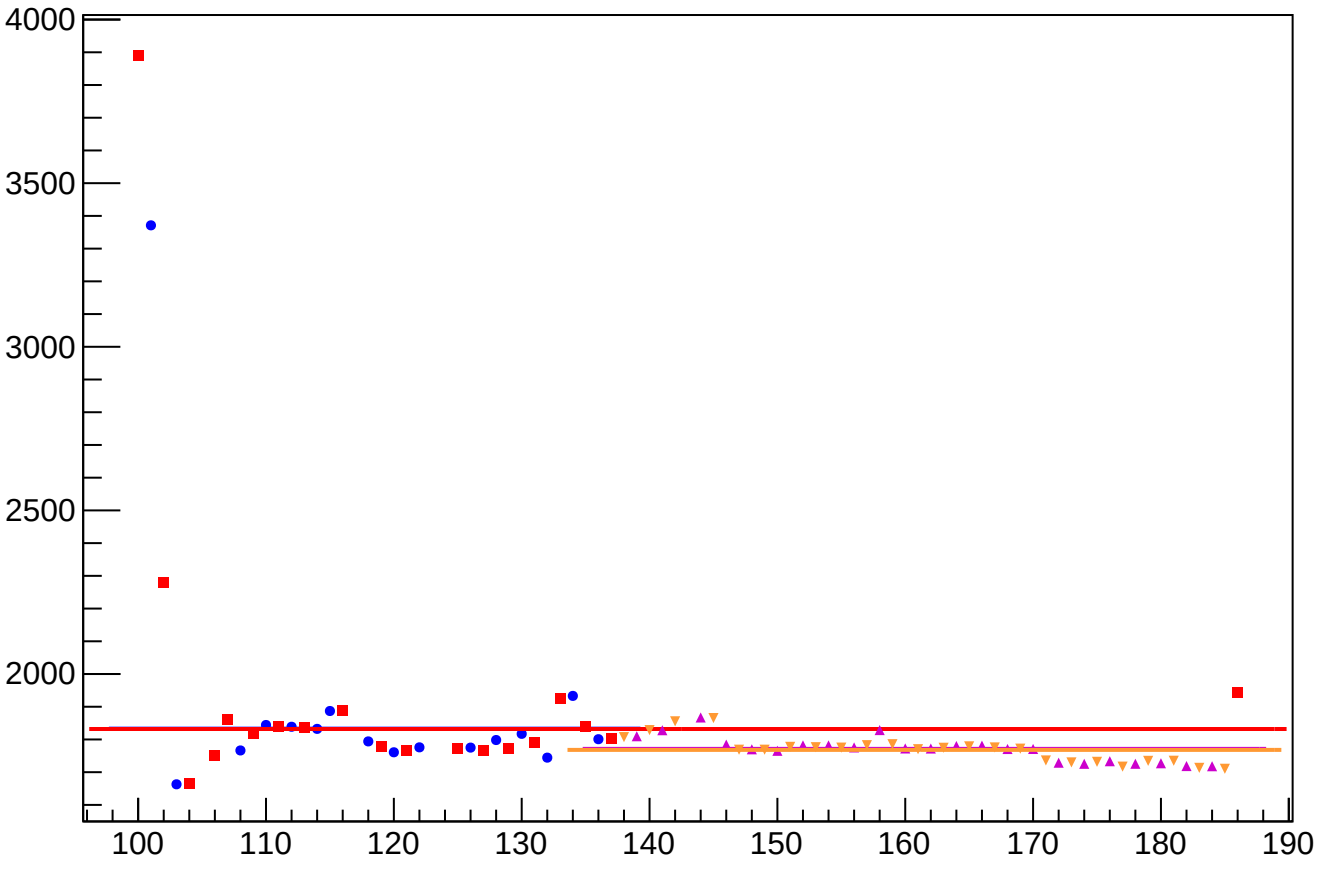
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -832.582+/-410.448 χ²/NDF:25.4/23
Right Out: -295.521+/-667.029 χ²/NDF: 11.1/18
Left In: -459.594+/-413.637 χ²/NDF:27.3/22
Left: -647.532+/-291.352 χ²/NDF: 53.1/46
Right: -819.570+/-479.250 χ²/NDF: 21.7/34
In: -703.093+/-354.641 χ²/NDF:37.9/38
Out: -685.080+/-349.569 χ²/NDF:37.0/42
All: -693.957+/-248.956 χ²/NDF: 74.9/81



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

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

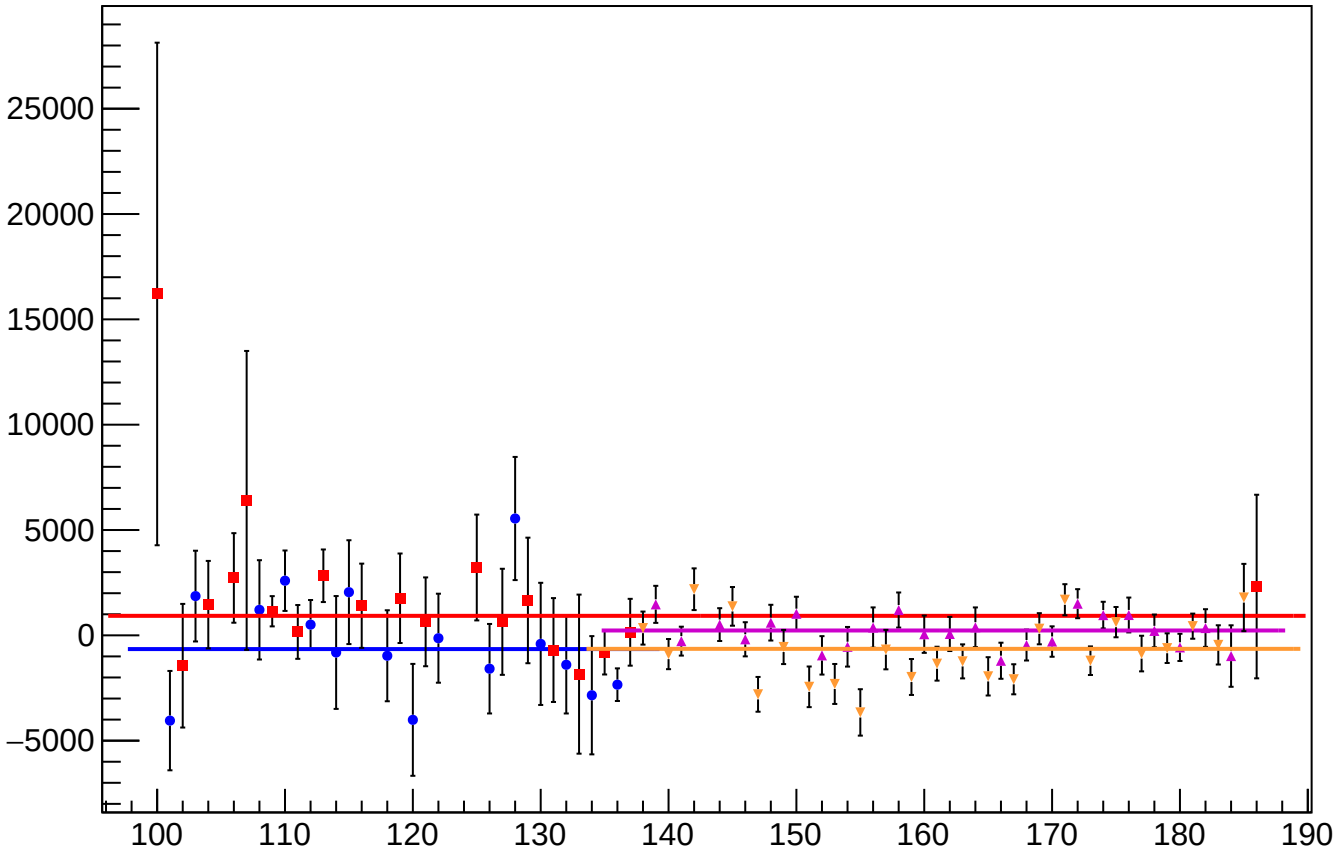
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1832.442+/-0.339 χ^2/NDF: 401363.1/34

In: 1787.570+/-0.251 χ^2/NDF:323665.0/38

Out: 1785.660+/-0.247 χ^2/NDF:135570.1/42

All: 1786.601+/-0.176 χ^2/NDF: 459264.5/81



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

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

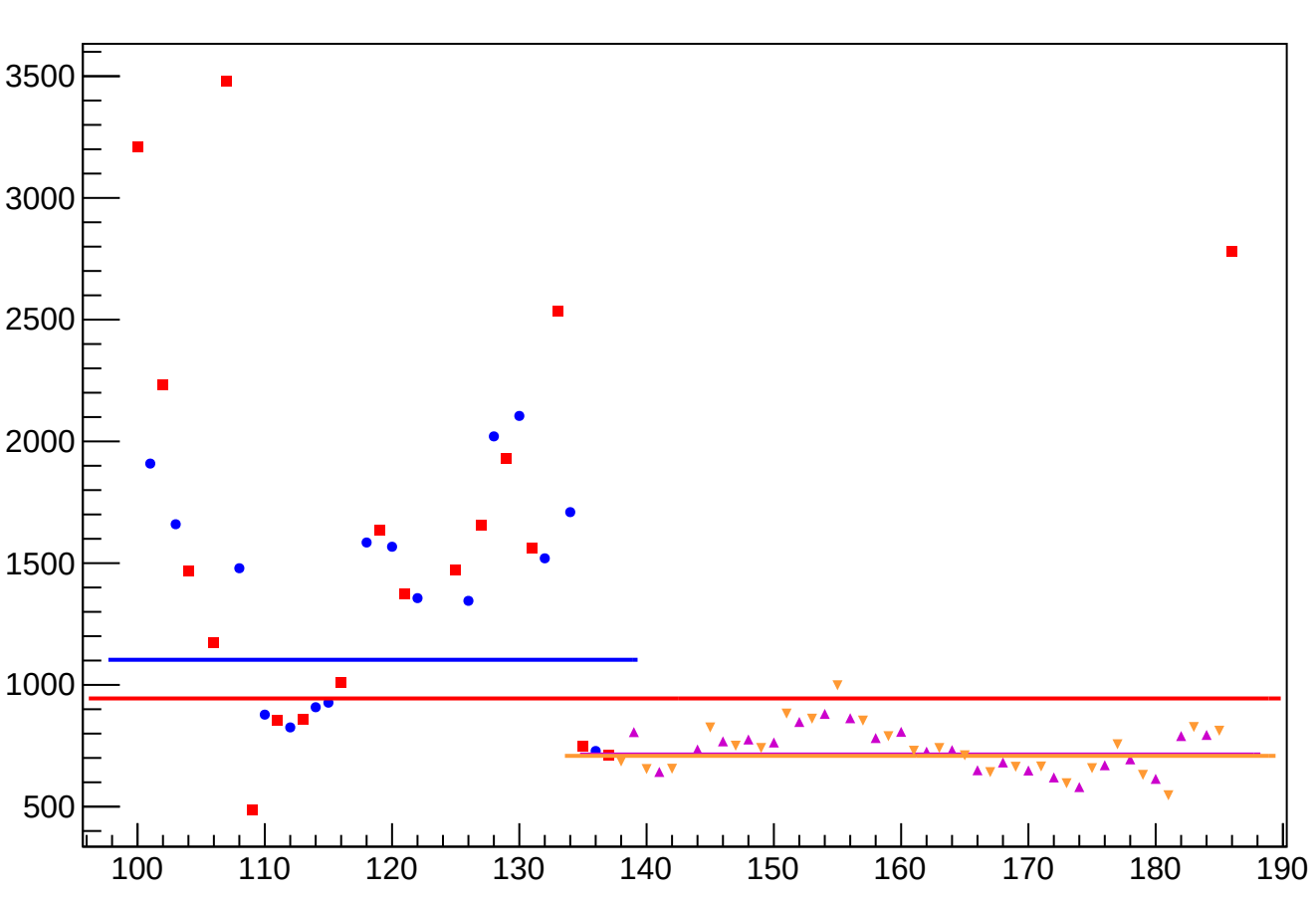
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 231.900+/-293.244 χ^2/NDF: 42.0/34

In: 118.930+/-157.306 χ^2/NDF:46.6/38

Out: -401.468+/-153.199 χ^2/NDF:91.9/42

All: -148.150+/-109.751 χ^2/NDF: 144.1/81



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

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

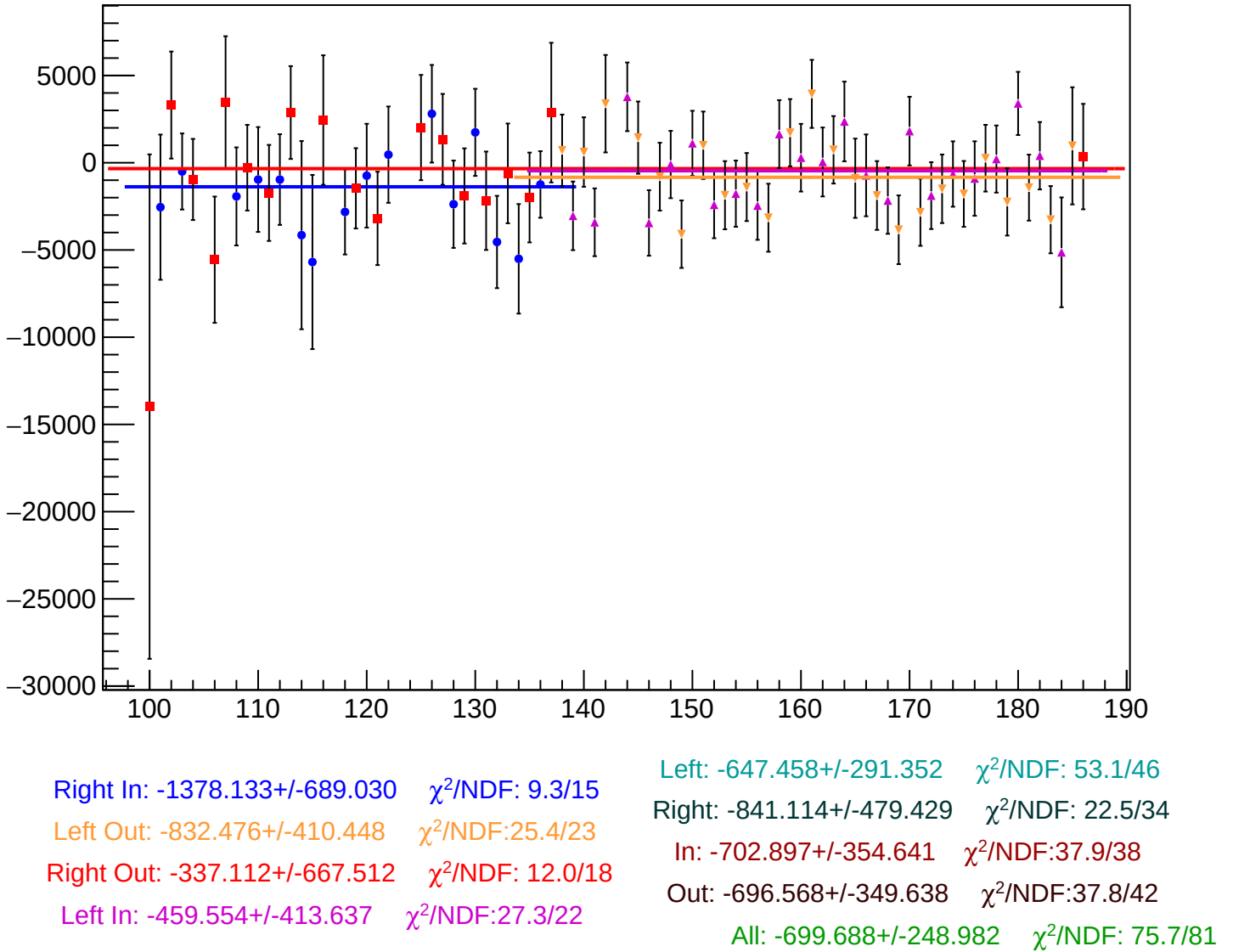
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1014.209+/-0.207 χ^2/NDF: 5435193.7/34

In: 763.406+/-0.111 χ^2/NDF:3727770.8/38

Out: 744.554+/-0.108 χ^2/NDF:4726620.5/42

All: 753.731+/-0.078 χ^2/NDF: 8469133.8/81


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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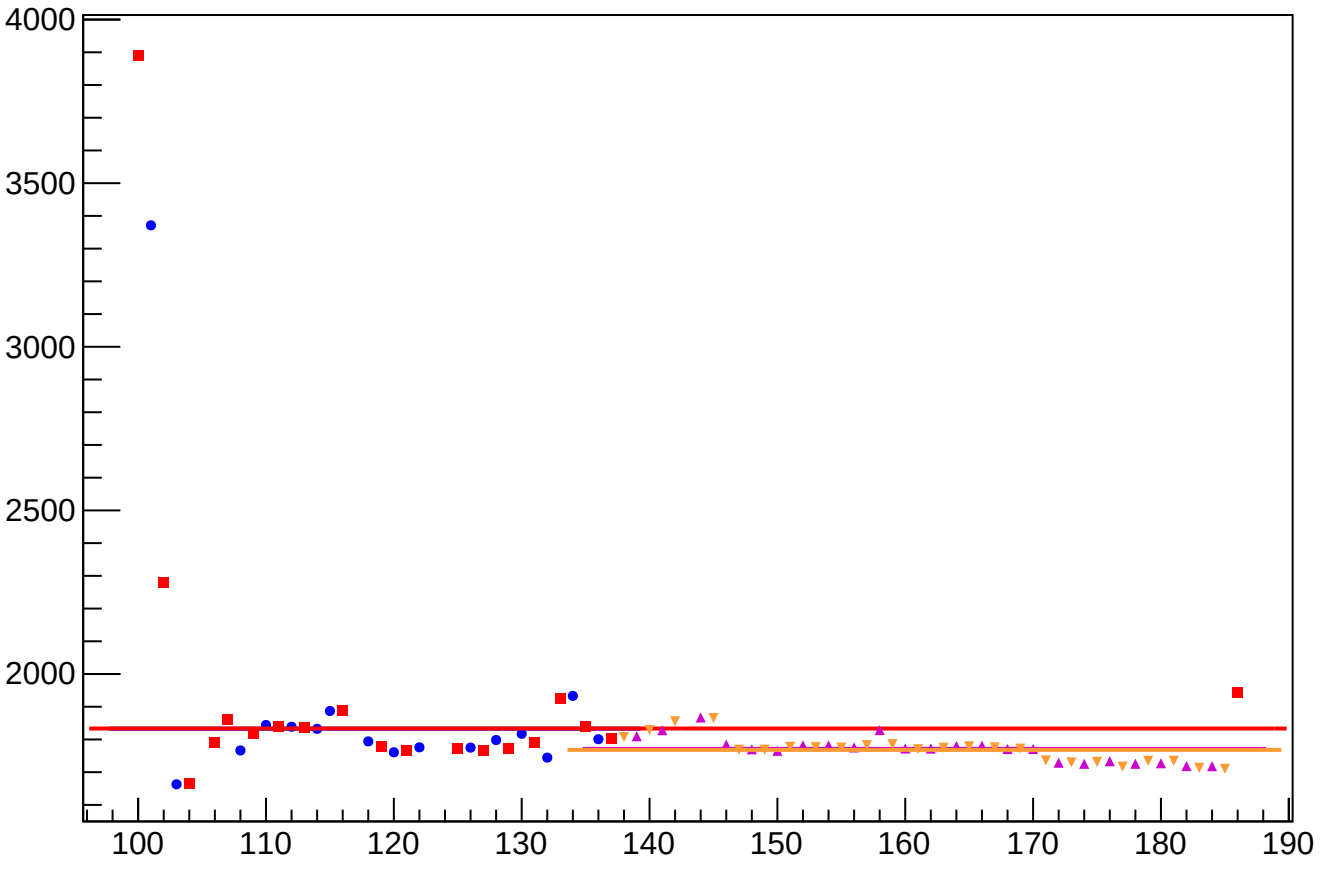
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -337.112+/-667.512 χ²/NDF: 12.0/18
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -841.114+/-479.429 χ²/NDF: 22.5/34
In: -702.897+/-354.641 χ²/NDF:37.9/38
Out: -696.568+/-349.638 χ²/NDF:37.8/42
All: -699.688+/-248.982 χ²/NDF: 75.7/81



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

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

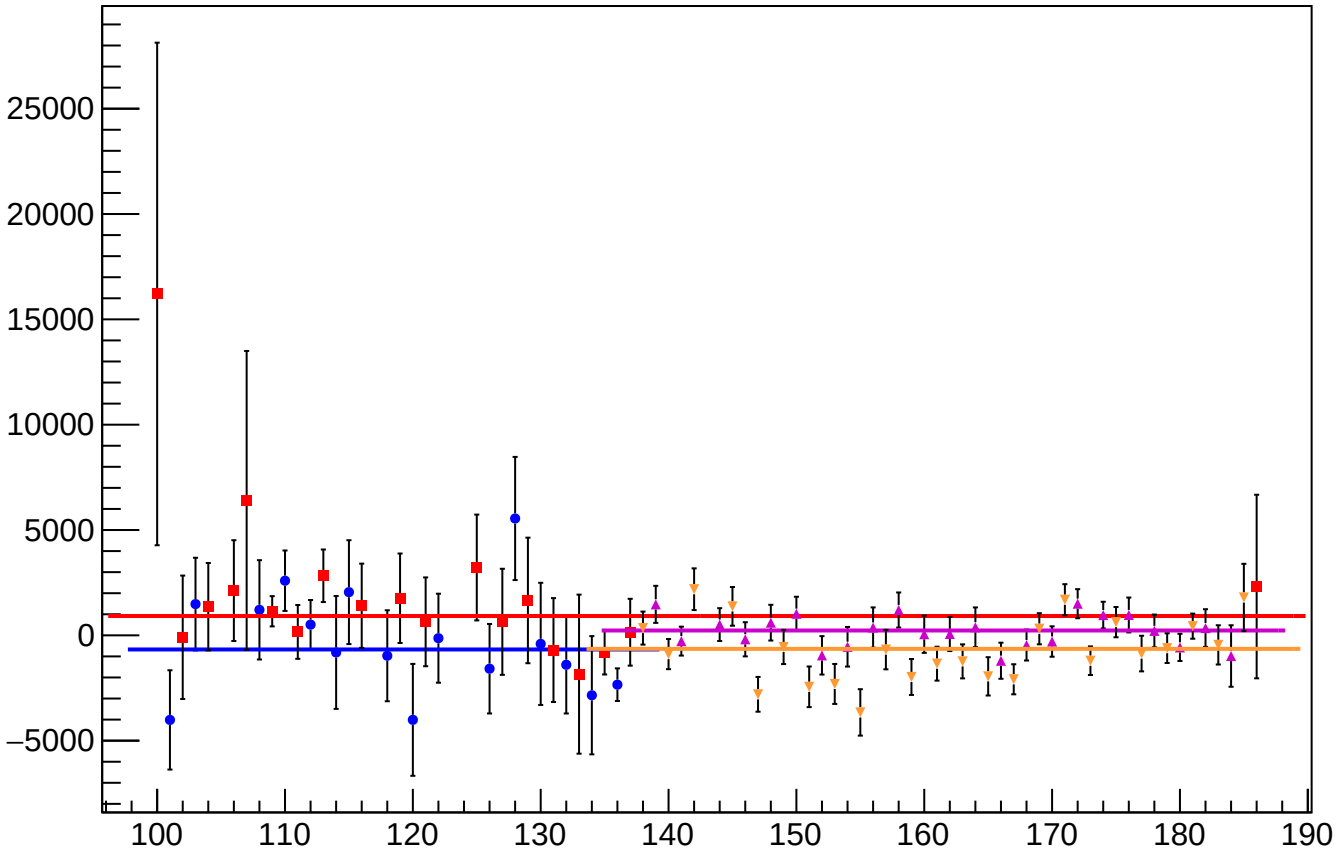
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1833.221+/-0.339 χ^2/NDF: 400549.8/34

In: 1787.570+/-0.251 χ^2/NDF:323666.8/38

Out: 1786.056+/-0.247 χ^2/NDF:135377.3/42

All: 1786.802+/-0.176 χ^2/NDF: 459062.6/81



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

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

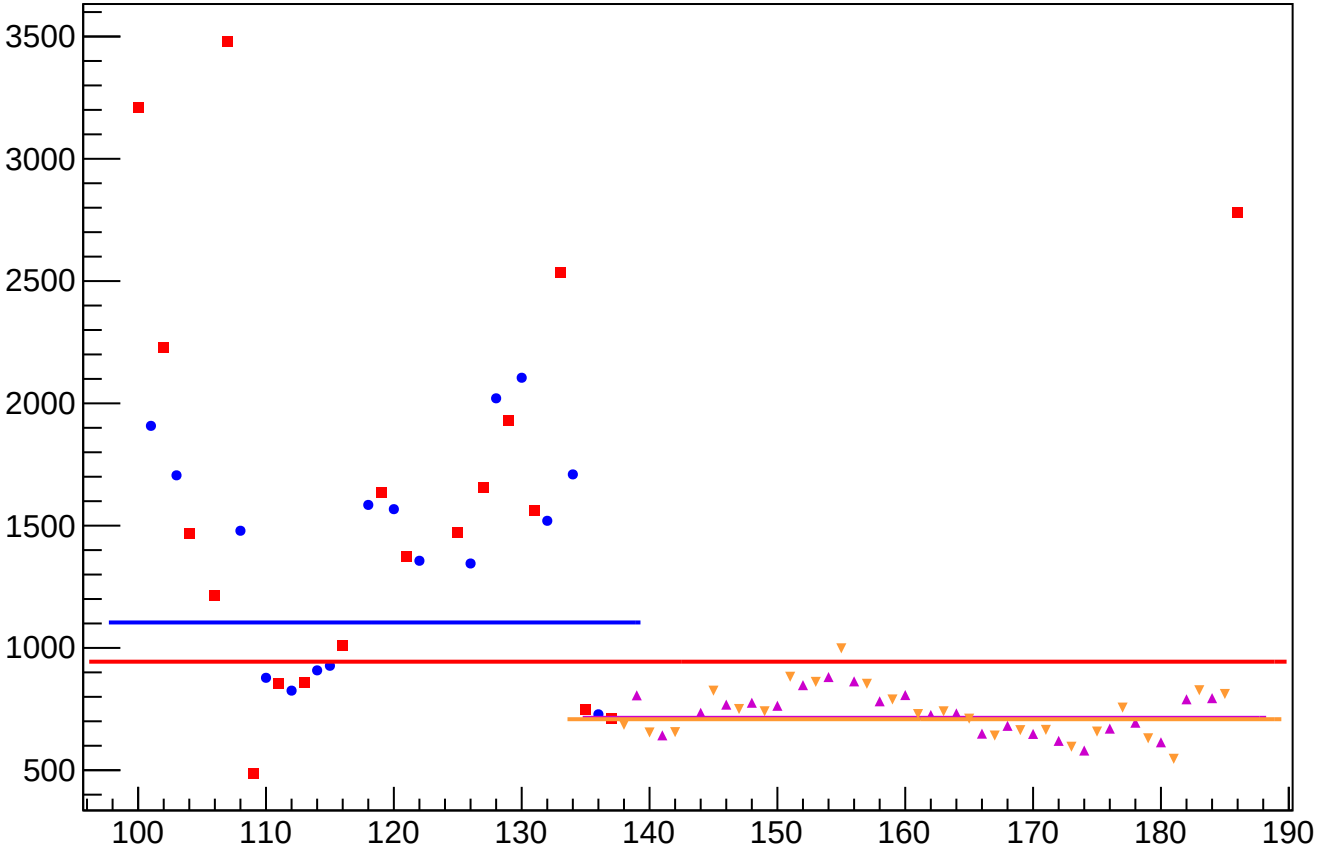
Right: 216.763+/-293.928 χ^2/NDF: 40.6/34

In: 116.671+/-157.323 χ^2/NDF:46.3/38

Out: -404.185+/-153.282 χ^2/NDF:90.6/42

All: -150.532+/-109.788 χ^2/NDF: 142.6/81

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 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

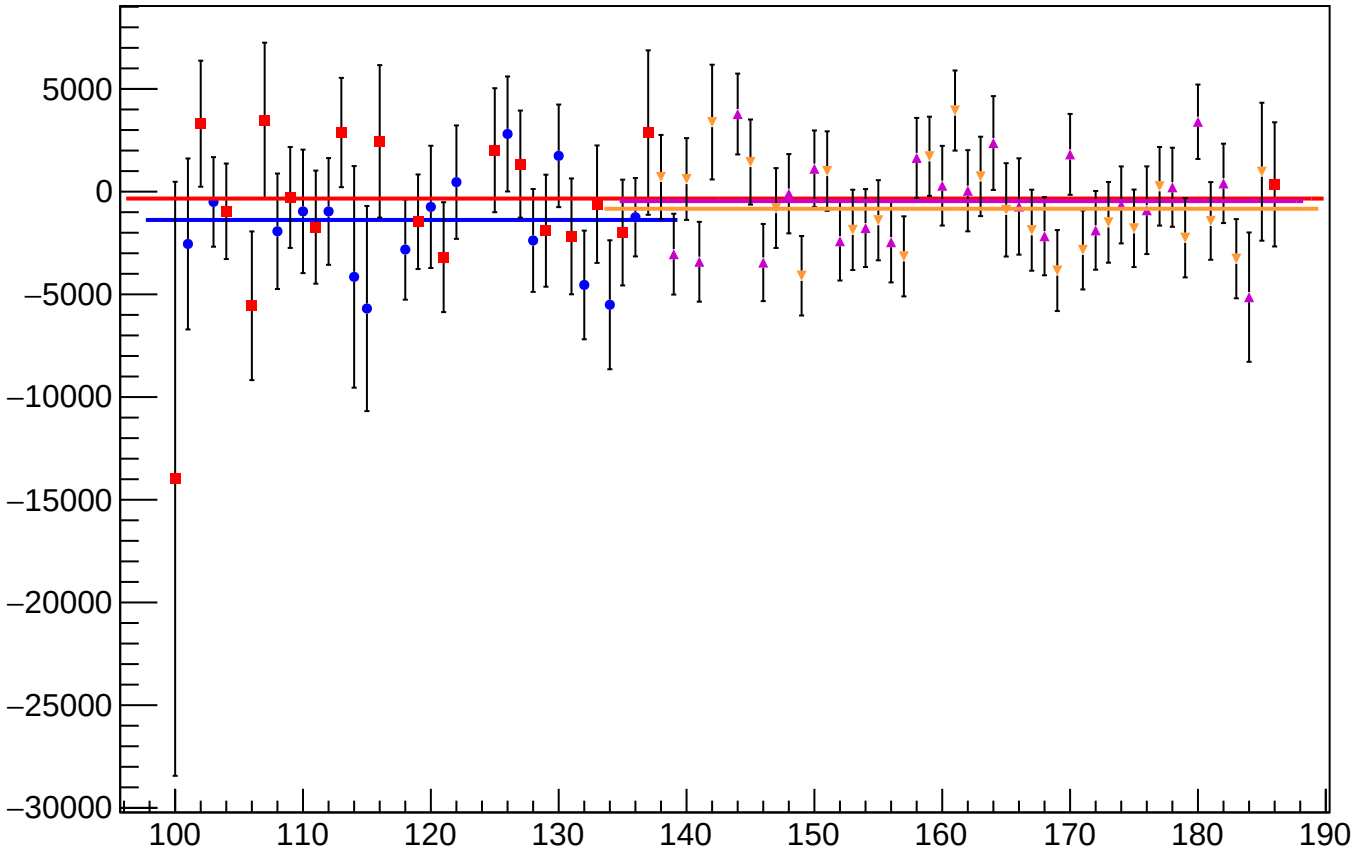
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1014.479+/-0.208 χ^2/NDF: 5454271.3/34

In: 763.456+/-0.111 χ^2/NDF:3748451.4/38

Out: 744.252+/-0.108 χ^2/NDF:4720297.5/42

All: 753.604+/-0.078 χ^2/NDF: 8484037.4/81



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

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

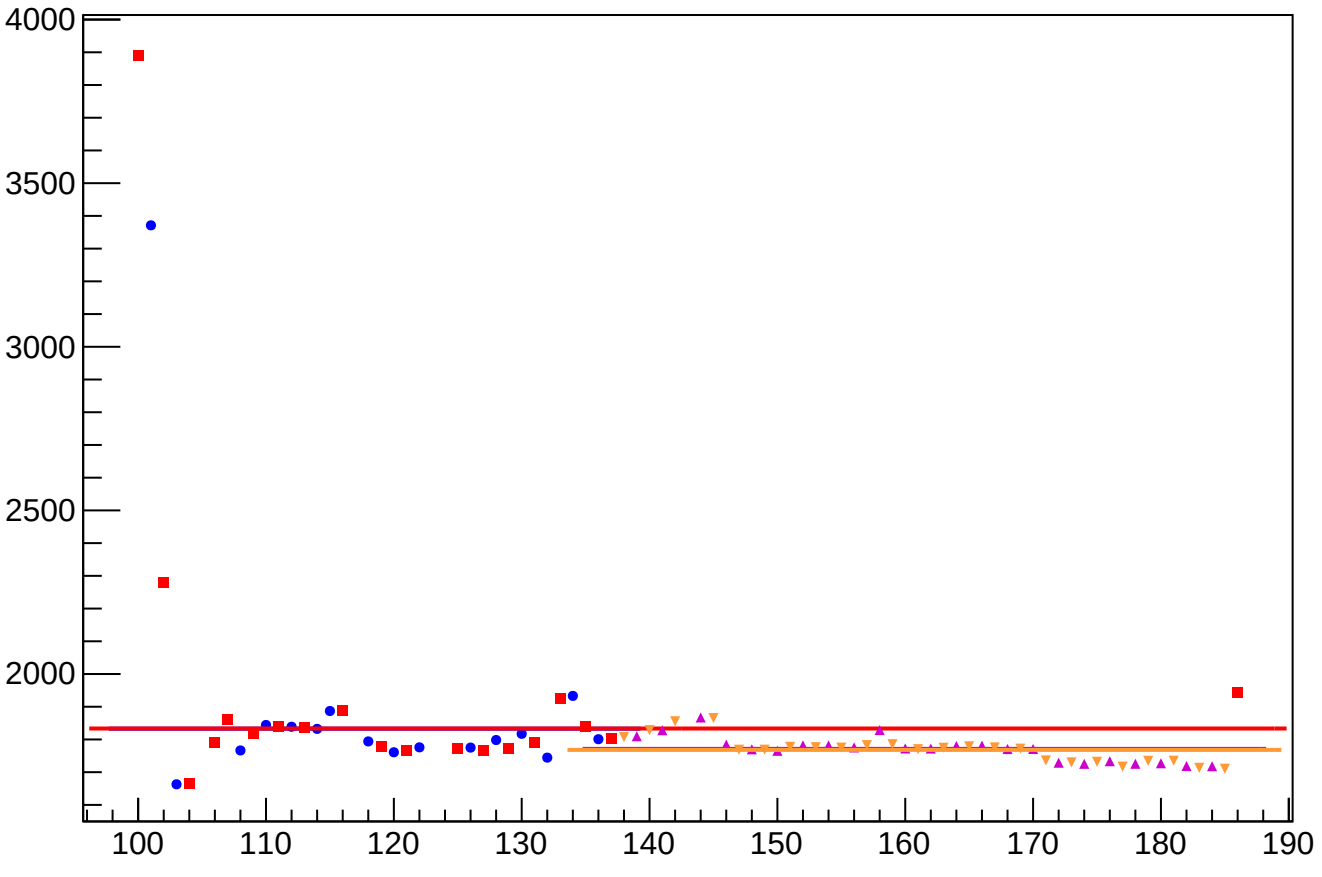
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -841.114+/-479.429 χ^2/NDF: 22.5/34

In: -702.897+/-354.641 χ^2/NDF:37.9/38

Out: -696.568+/-349.638 χ^2/NDF:37.8/42

All: -699.688+/-248.982 χ^2/NDF: 75.7/81



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

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

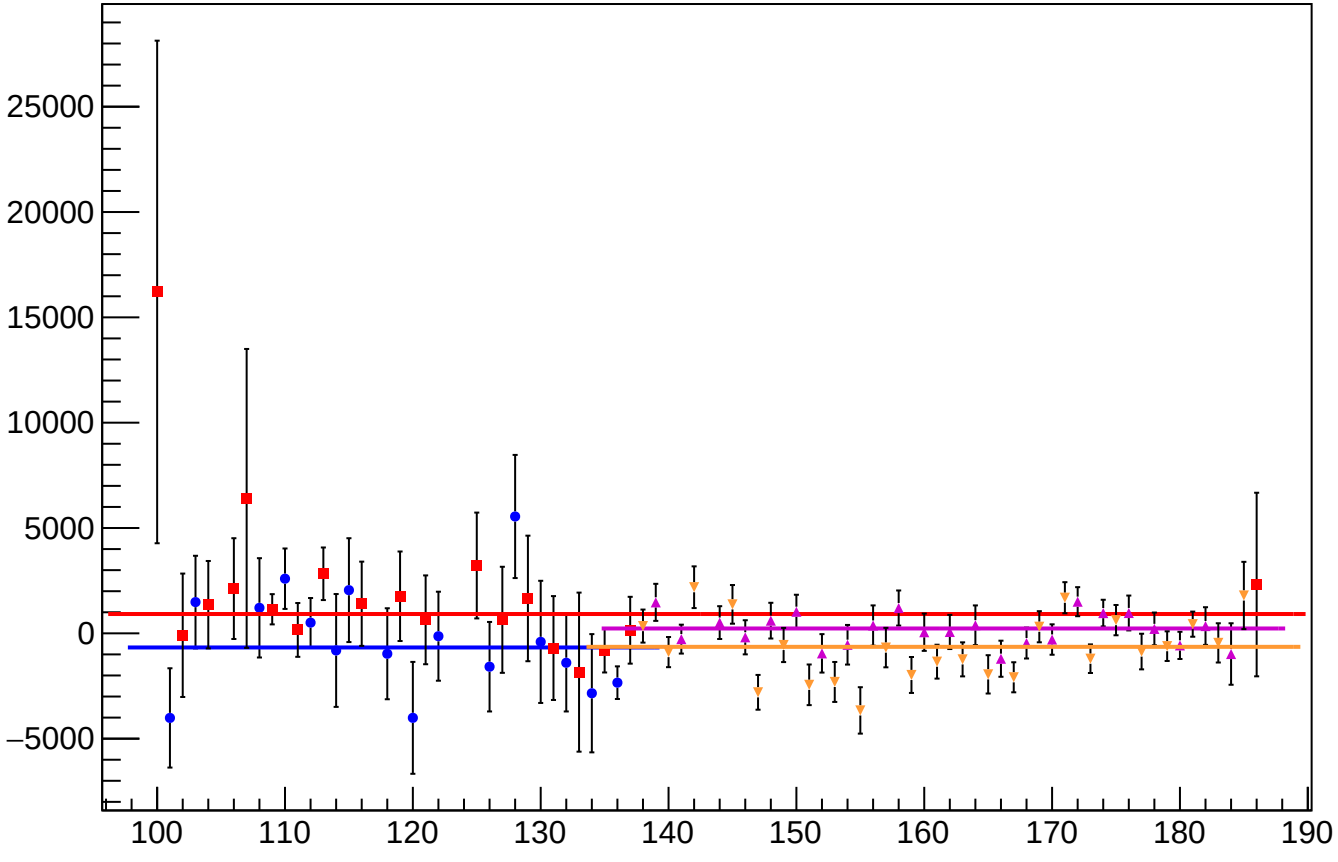
Right: 1833.221+/-0.339 χ^2/NDF: 400549.8/34

In: 1787.570+/-0.251 χ^2/NDF:323666.8/38

Out: 1786.056+/-0.247 χ^2/NDF:135377.3/42

All: 1786.802+/-0.176 χ^2/NDF: 459062.6/81

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -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

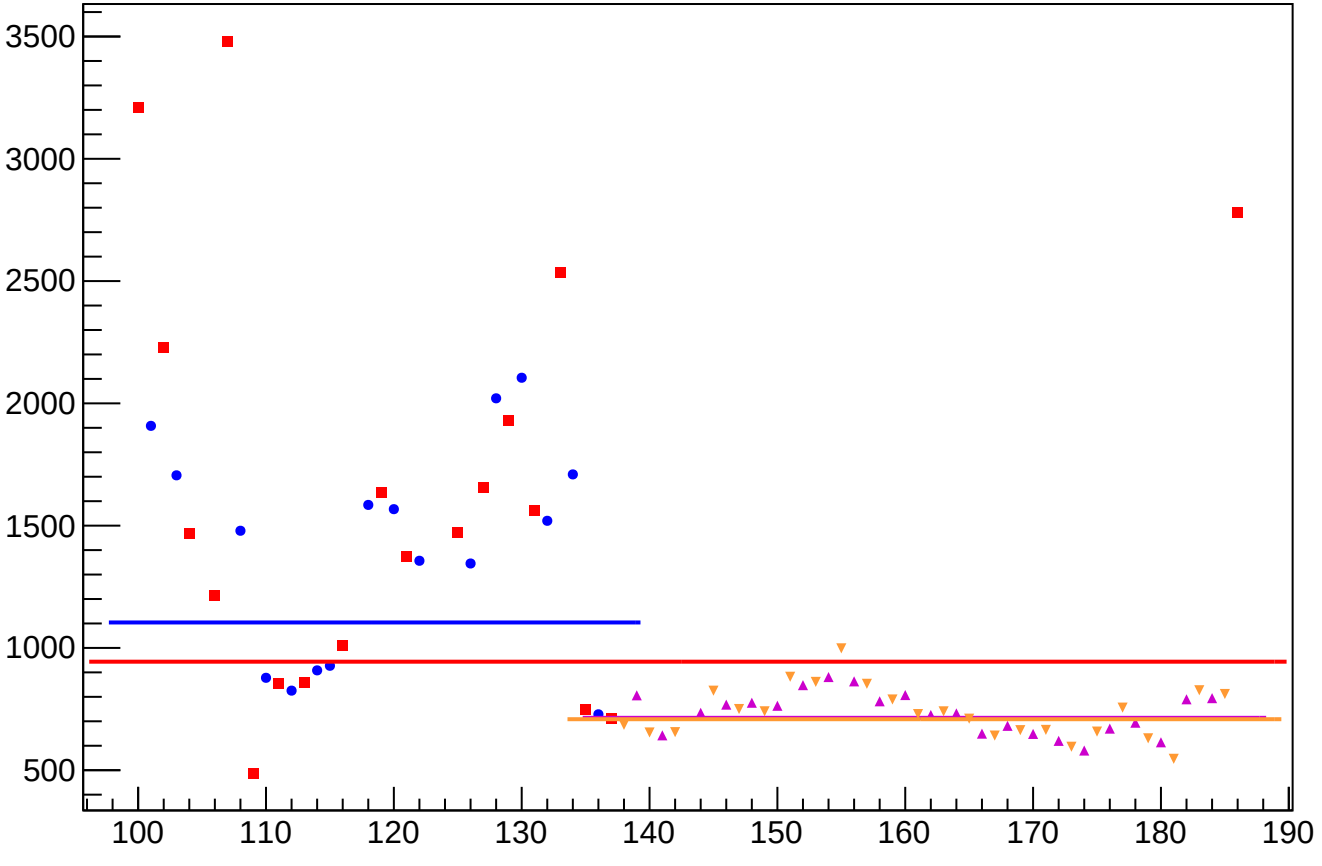
Right: 216.763+/-293.928 χ^2/NDF: 40.6/34

In: 116.671+/-157.323 χ^2/NDF:46.3/38

Out: -404.185+/-153.282 χ^2/NDF:90.6/42

All: -150.532+/-109.788 χ^2/NDF: 142.6/81

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 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

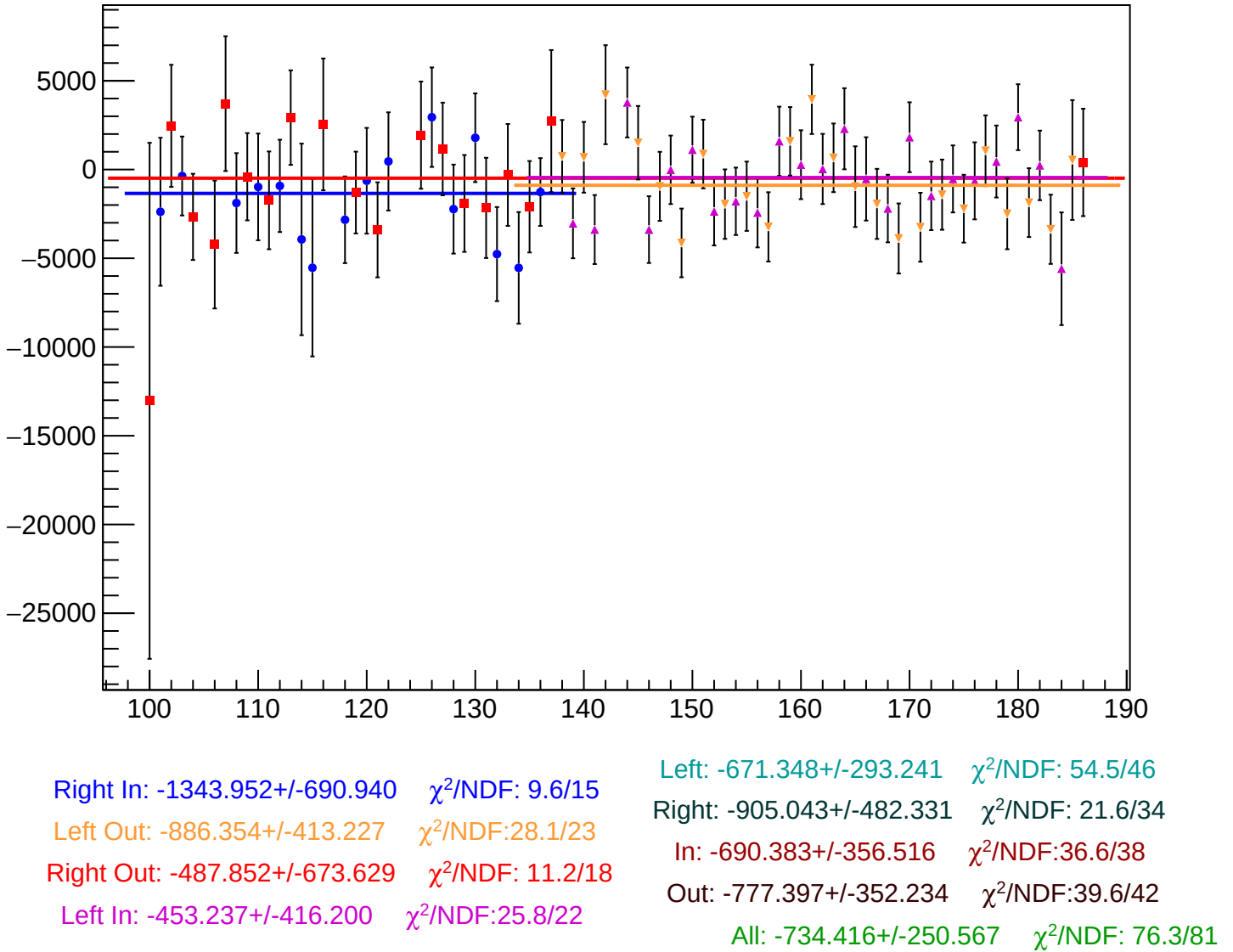
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1014.479+/-0.208 χ^2/NDF: 5454271.3/34

In: 763.456+/-0.111 χ^2/NDF:3748451.4/38

Out: 744.252+/-0.108 χ^2/NDF:4720297.5/42

All: 753.604+/-0.078 χ^2/NDF: 8484037.4/81


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
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100
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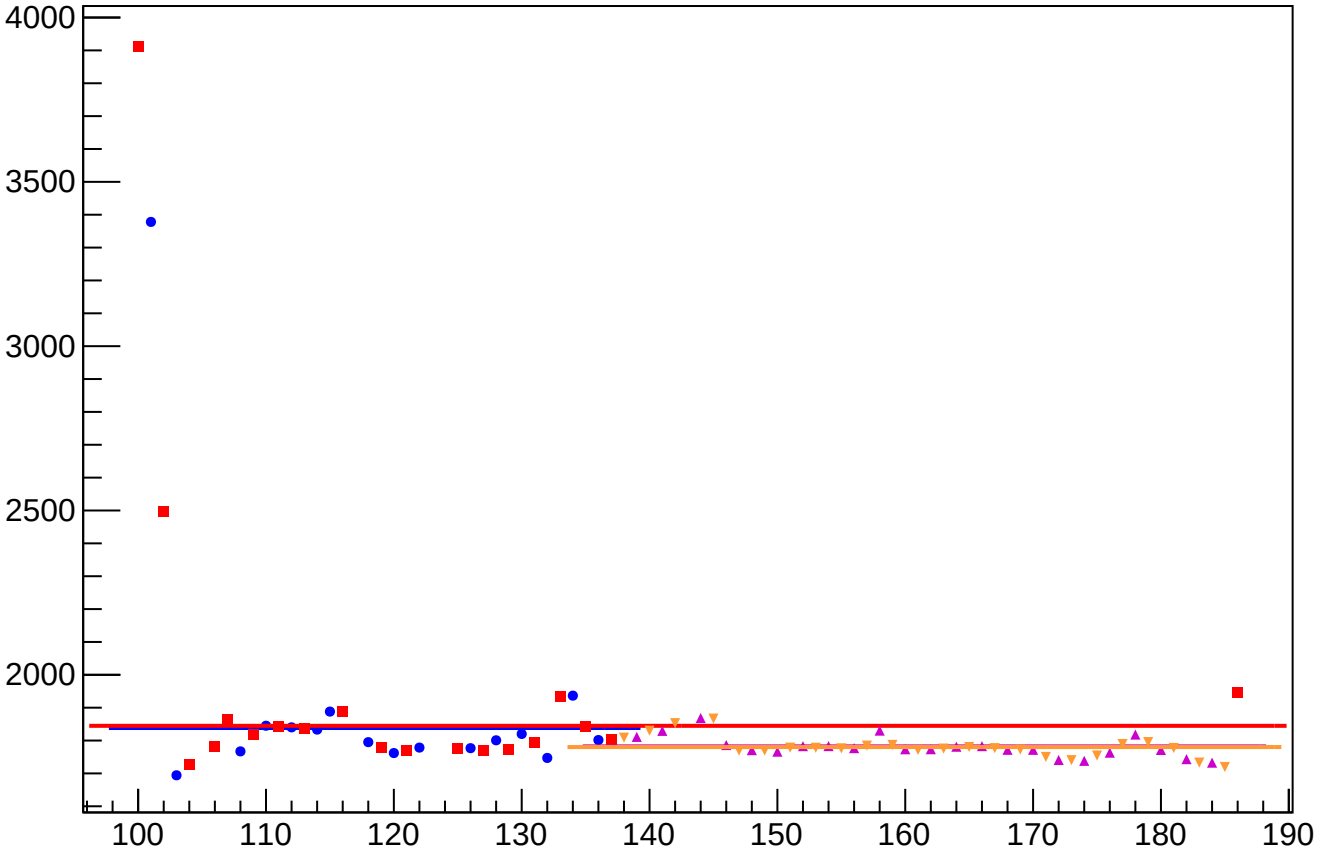
190
Right In: -1343.952+/-690.940 χ²/NDF: 9.6/15
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -487.852+/-673.629 χ²/NDF: 11.2/18
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -905.043+/-482.331 χ²/NDF: 21.6/34
In: -690.383+/-356.516 χ²/NDF:36.6/38
Out: -777.397+/-352.234 χ²/NDF:39.6/42
All: -734.416+/-250.567 χ²/NDF: 76.3/81



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

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

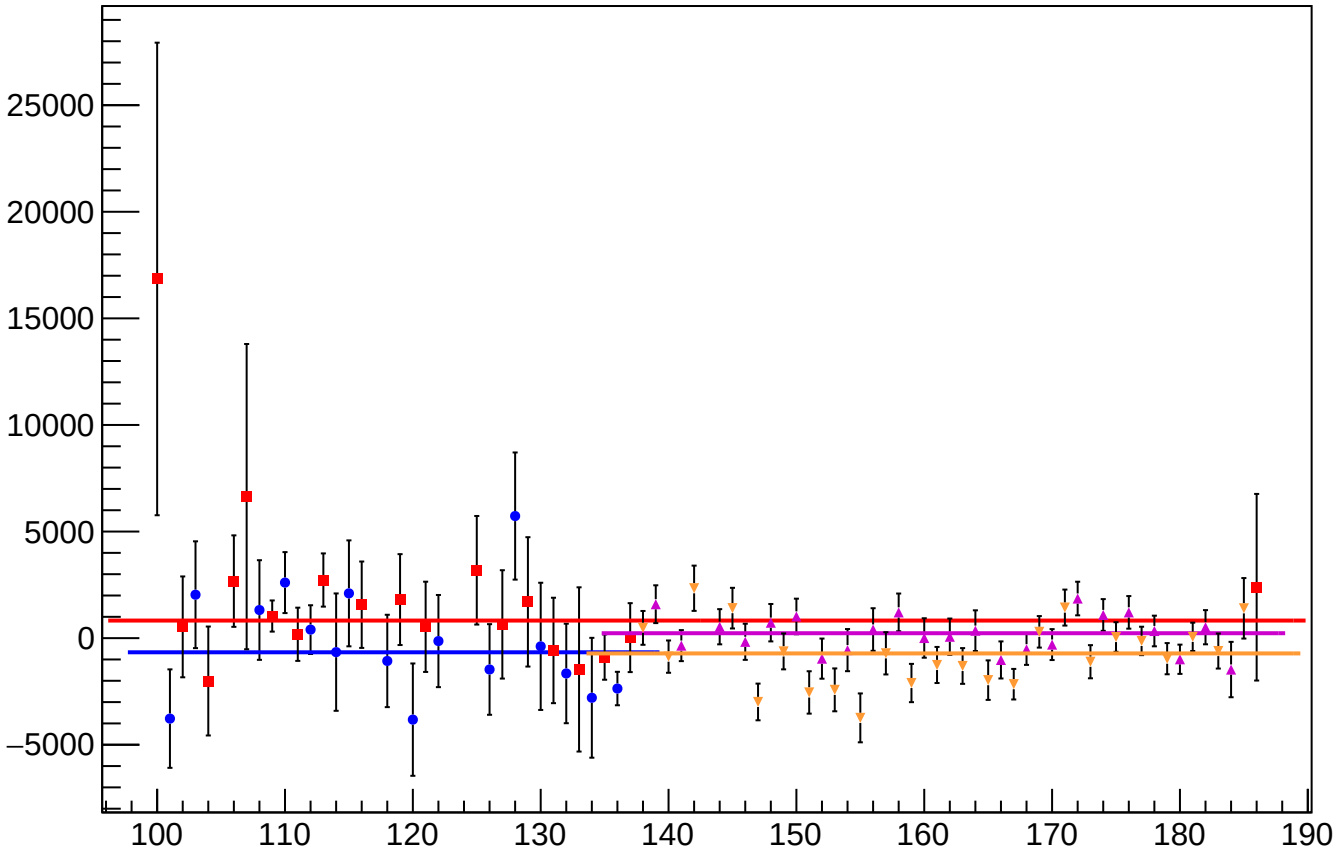
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1841.572+/-0.341 χ^2/NDF: 422706.5/34

In: 1797.171+/-0.252 χ^2/NDF:312808.4/38

Out: 1797.882+/-0.249 χ^2/NDF:154370.2/42

All: 1797.531+/-0.177 χ^2/NDF: 467182.6/81



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

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

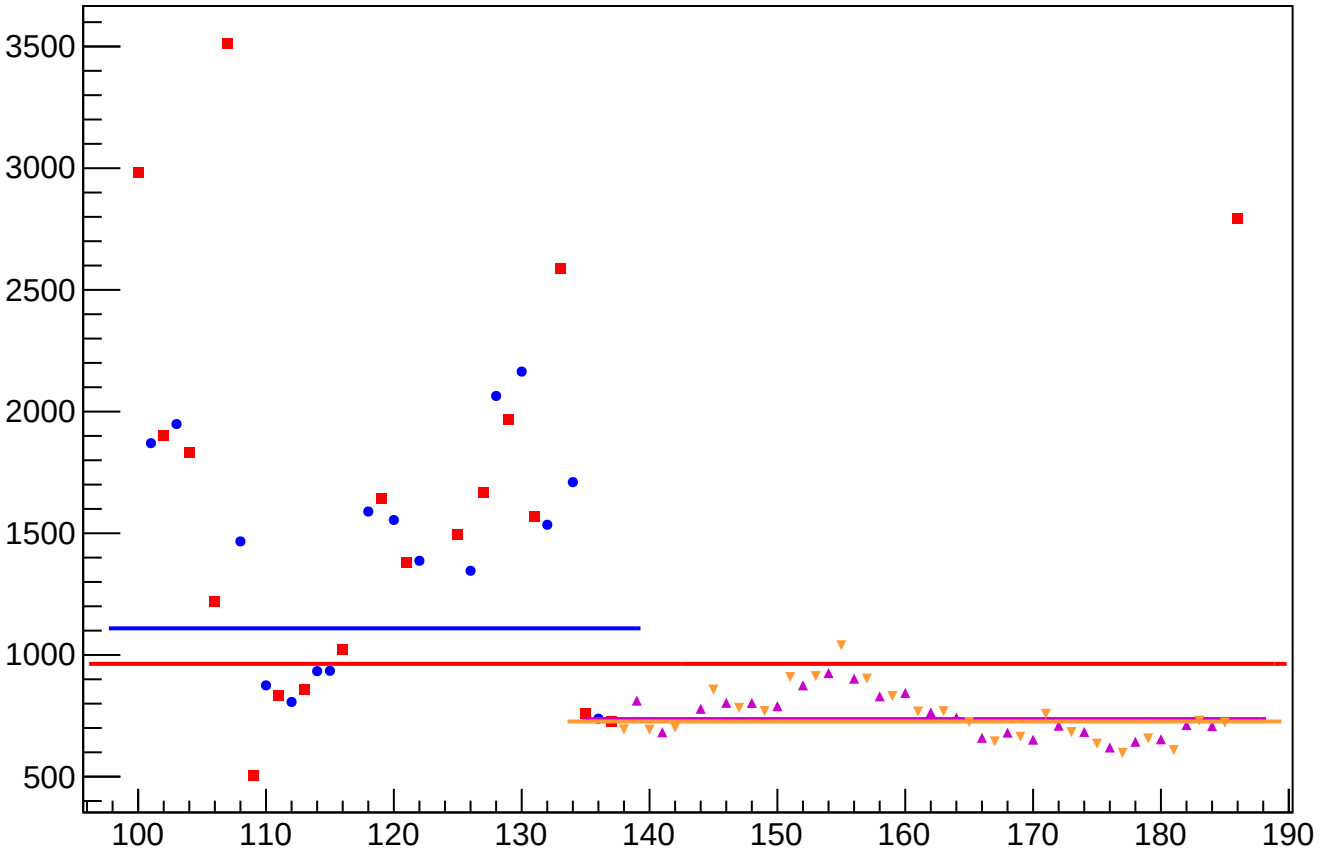
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 169.524+/-295.909 χ^2/NDF: 41.4/34

In: 113.737+/-161.639 χ^2/NDF:50.3/38

Out: -474.807+/-156.654 χ^2/NDF:84.5/42

All: -189.751+/-112.492 χ^2/NDF: 141.7/81



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

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

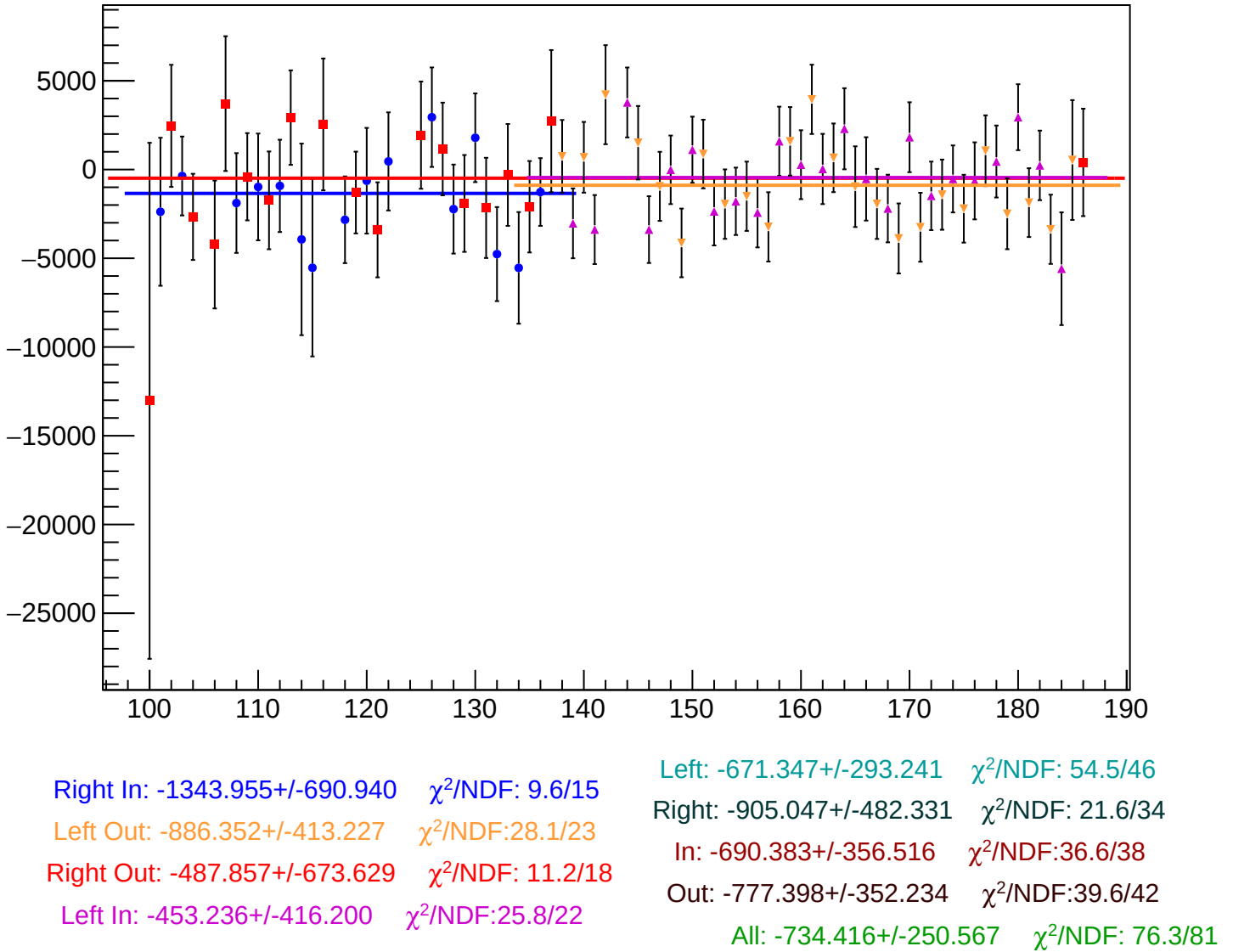
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1027.739+/-0.209 χ^2/NDF: 5499200.3/34

In: 785.678+/-0.114 χ^2/NDF:3651720.0/38

Out: 763.760+/-0.111 χ^2/NDF:4695726.3/42

All: 774.376+/-0.080 χ^2/NDF: 8366408.9/81


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
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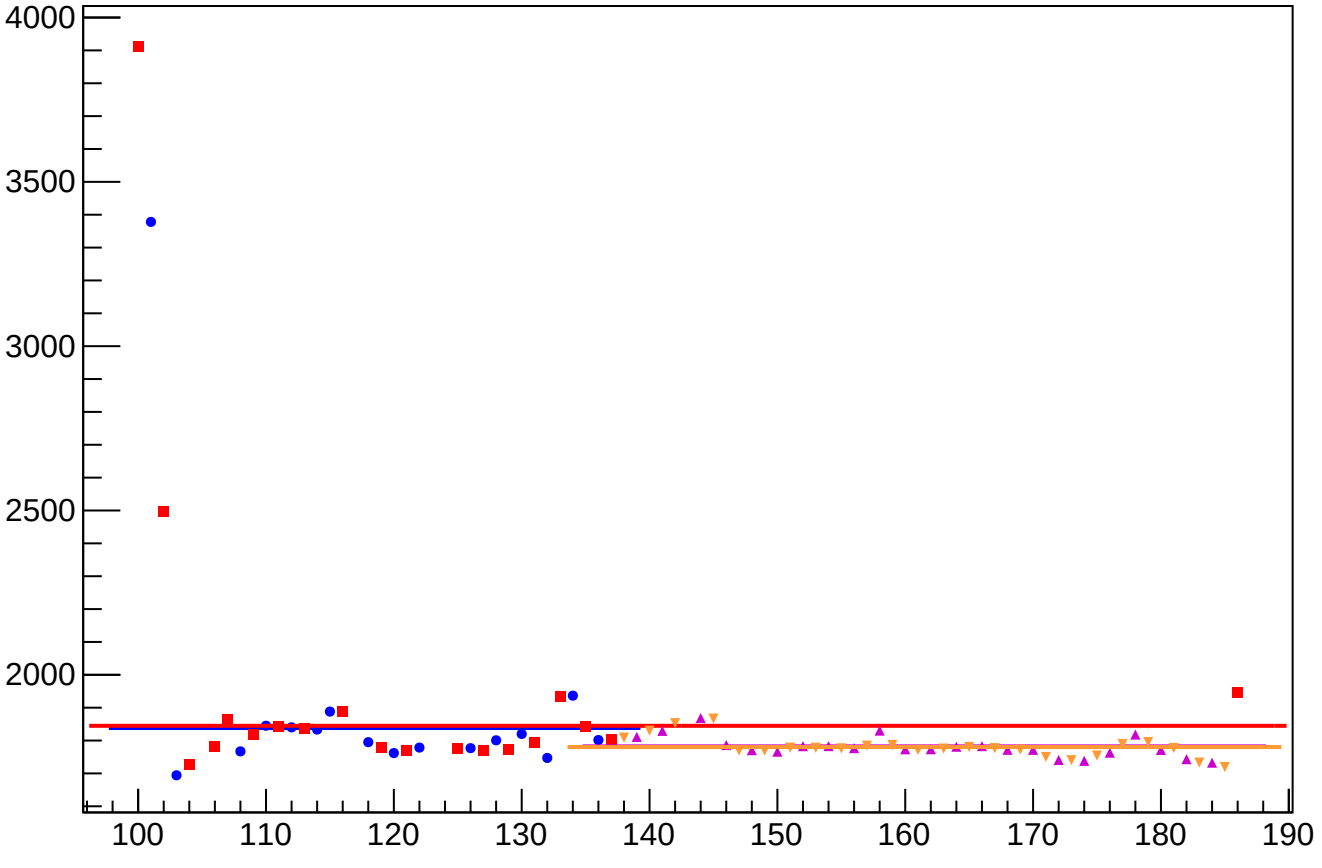
170
180
190
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -487.857+/-673.629 χ²/NDF: 11.2/18
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -905.047+/-482.331 χ²/NDF: 21.6/34
In: -690.383+/-356.516 χ²/NDF:36.6/38
Out: -777.398+/-352.234 χ²/NDF:39.6/42
All: -734.416+/-250.567 χ²/NDF: 76.3/81



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

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

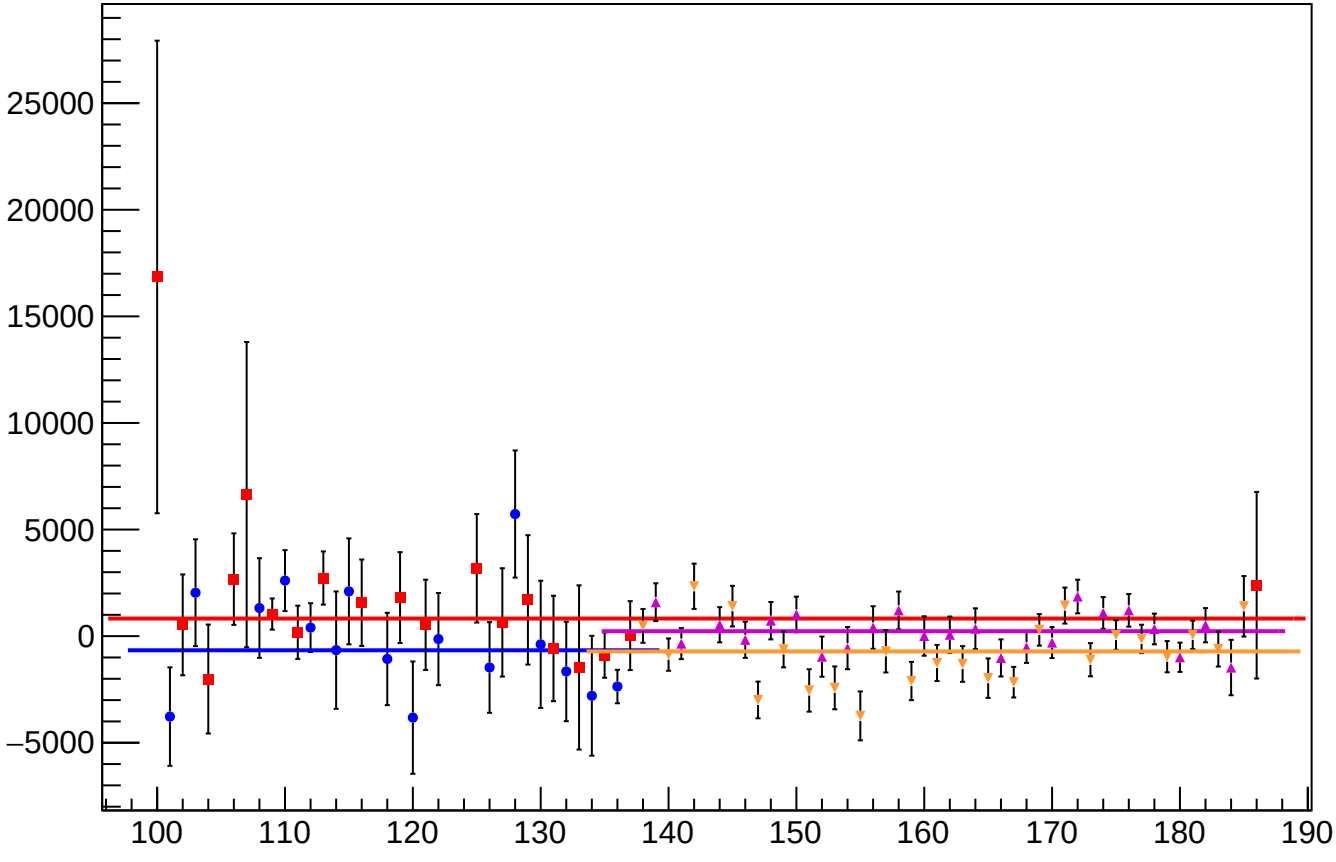
Right: 1841.572+/-0.341 χ^2/NDF: 422706.5/34

In: 1797.171+/-0.252 χ^2/NDF:312808.4/38

Out: 1797.882+/-0.249 χ^2/NDF:154370.4/42

All: 1797.531+/-0.177 χ^2/NDF: 467182.8/81

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -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

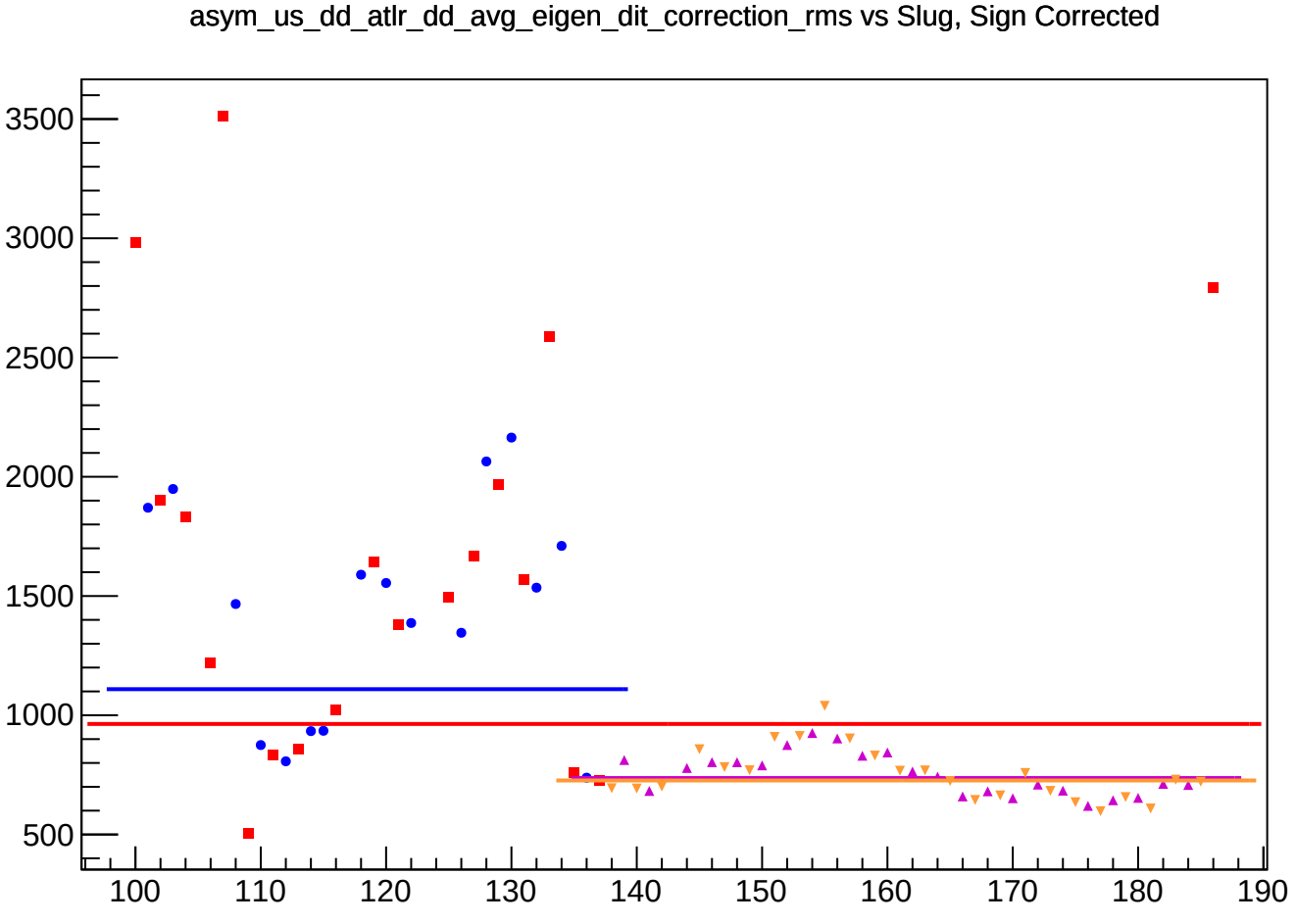
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

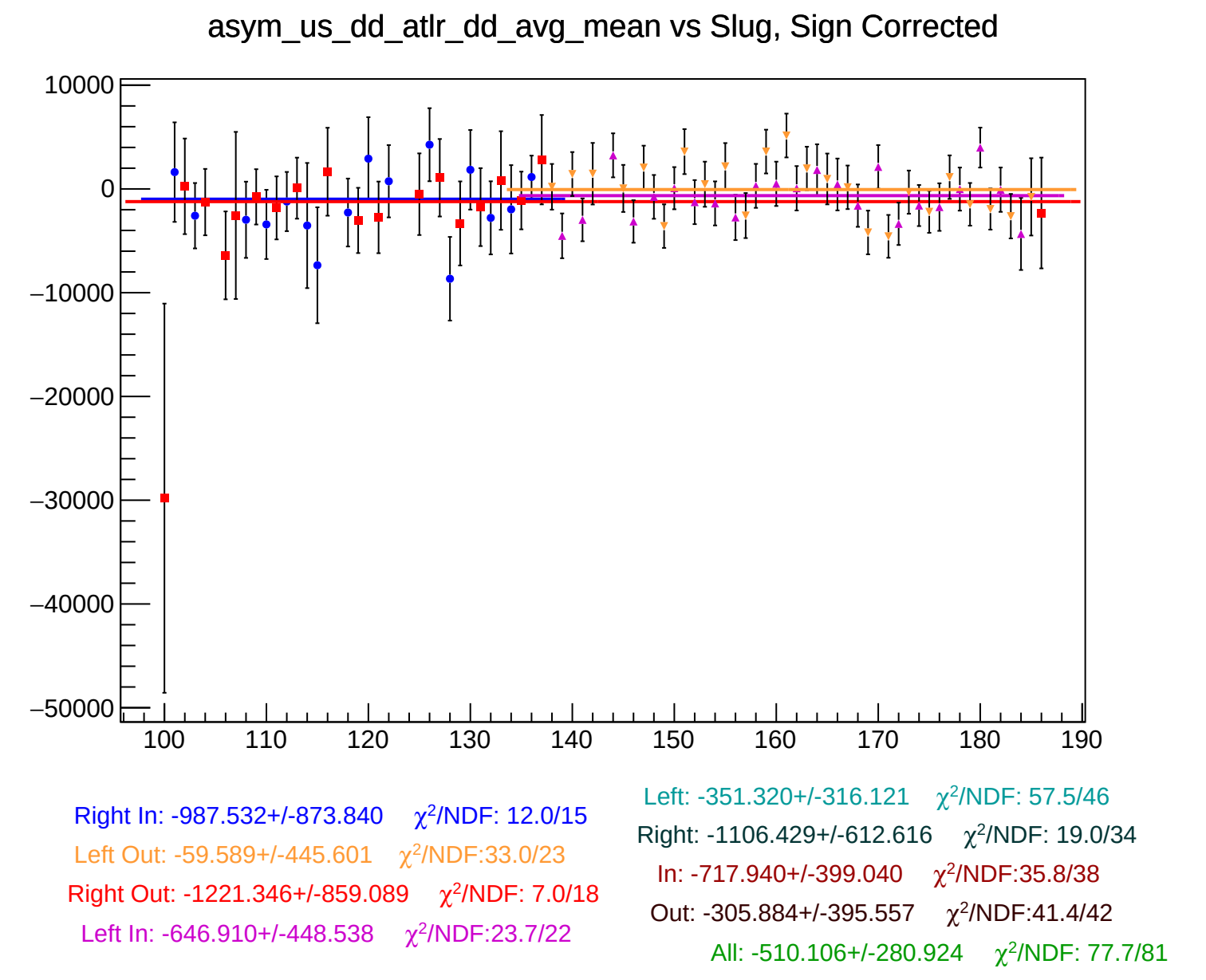
Right: 169.534+/-295.909 χ^2/NDF: 41.4/34

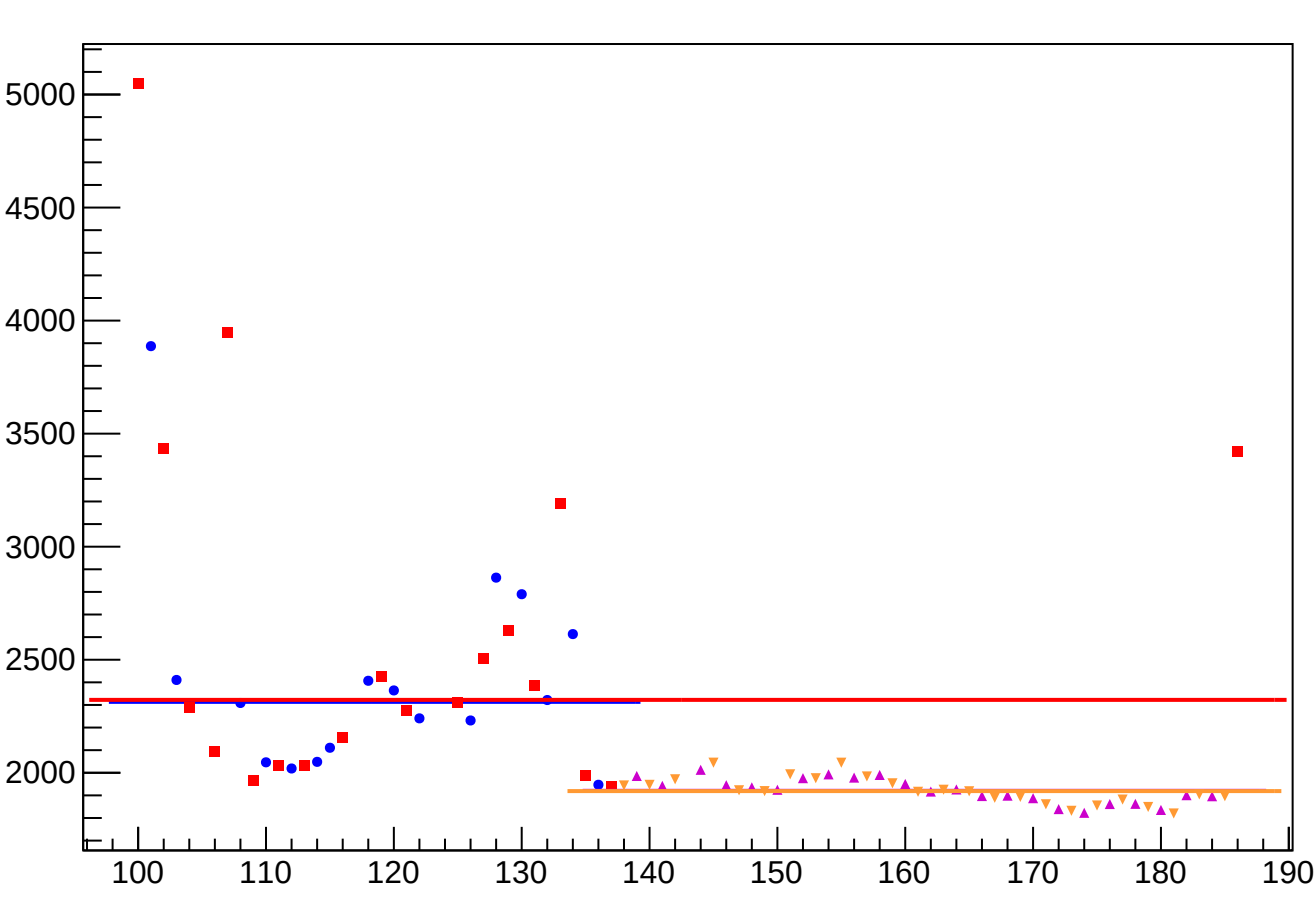
In: 113.738+/-161.639 χ^2/NDF:50.3/38

Out: -474.808+/-156.654 χ^2/NDF:84.5/42

All: -189.751+/-112.492 χ^2/NDF: 141.7/81


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1109.365+/-0.315 χ²/NDF: 1973324.5/15
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 963.509+/-0.280 χ²/NDF: 3406058.1/18
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1027.742+/-0.209 χ²/NDF: 5499133.8/34
In: 785.678+/-0.114 χ²/NDF:3651713.0/38
Out: 763.760+/-0.111 χ²/NDF:4695704.5/42
All: 774.376+/-0.080 χ²/NDF: 8366378.7/81


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: -987.532+/-873.840 χ²/NDF: 12.0/15
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: -1106.429+/-612.616 χ²/NDF: 19.0/34
In: -717.940+/-399.040 χ²/NDF:35.8/38
Out: -305.884+/-395.557 χ²/NDF:41.4/42
All: -510.106+/-280.924 χ²/NDF: 77.7/81



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

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

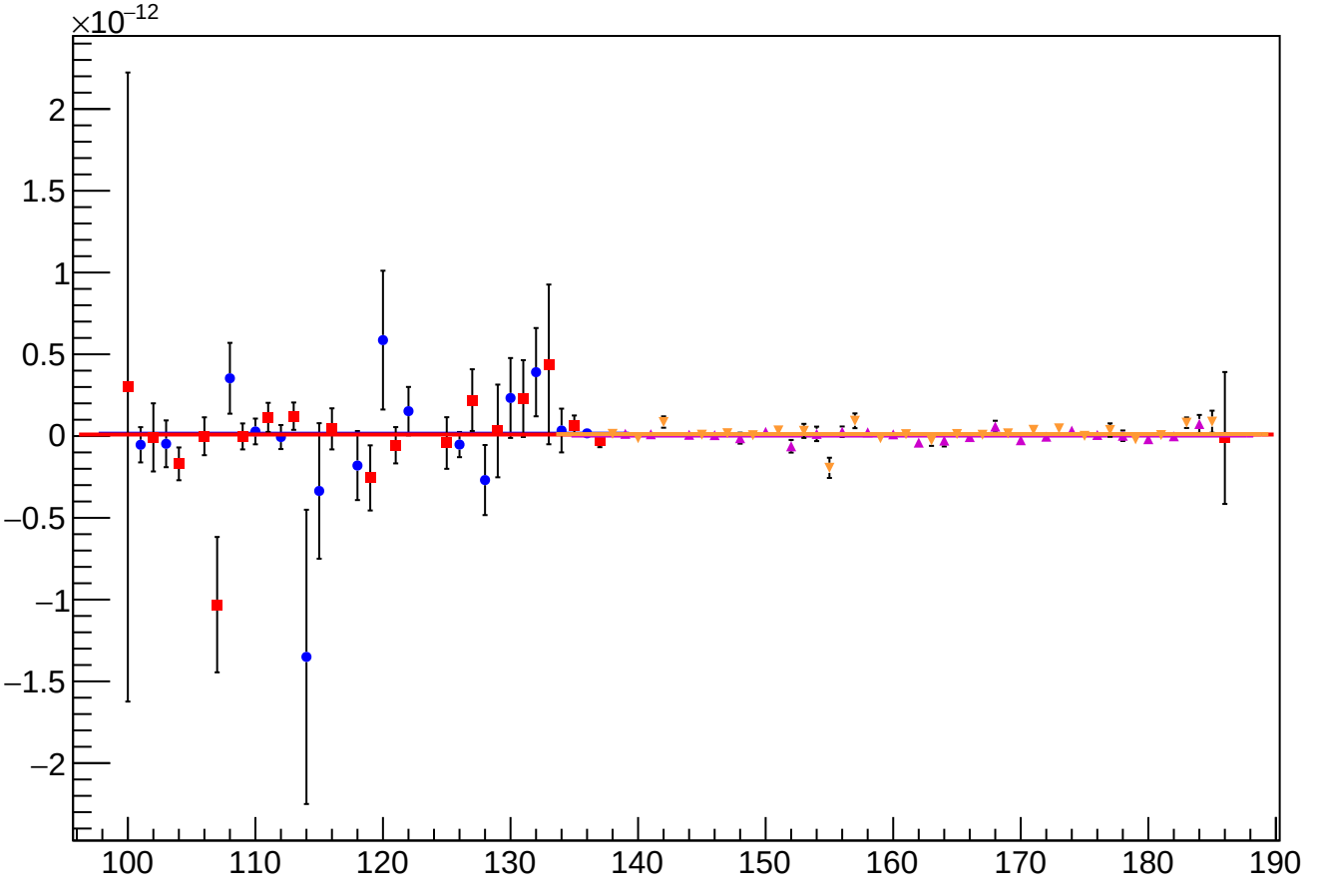
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2318.168+/-0.433 χ^2/NDF: 942835.8/34

In: 2002.277+/-0.282 χ^2/NDF:753701.6/38

Out: 2004.514+/-0.280 χ^2/NDF:923178.1/42

All: 2003.405+/-0.199 χ^2/NDF: 1676911.4/81



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

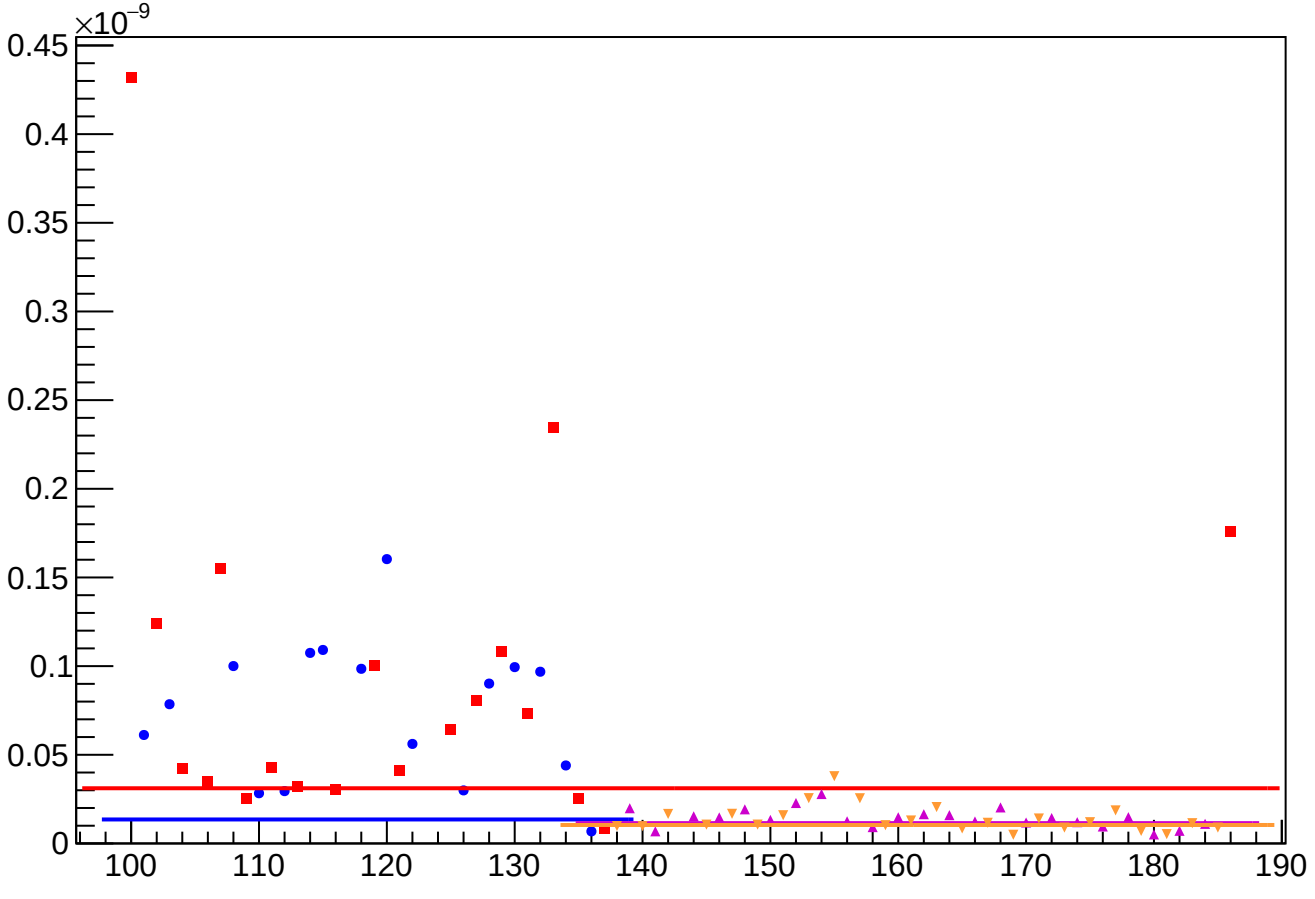
Right: 0.000+/-0.000 χ^2/NDF: 34.5/34

In: 0.000+/-0.000 χ^2/NDF:35.1/38

Out: 0.000+/-0.000 χ^2/NDF:57.6/42

All: 0.000+/-0.000 χ^2/NDF: 94.0/81

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

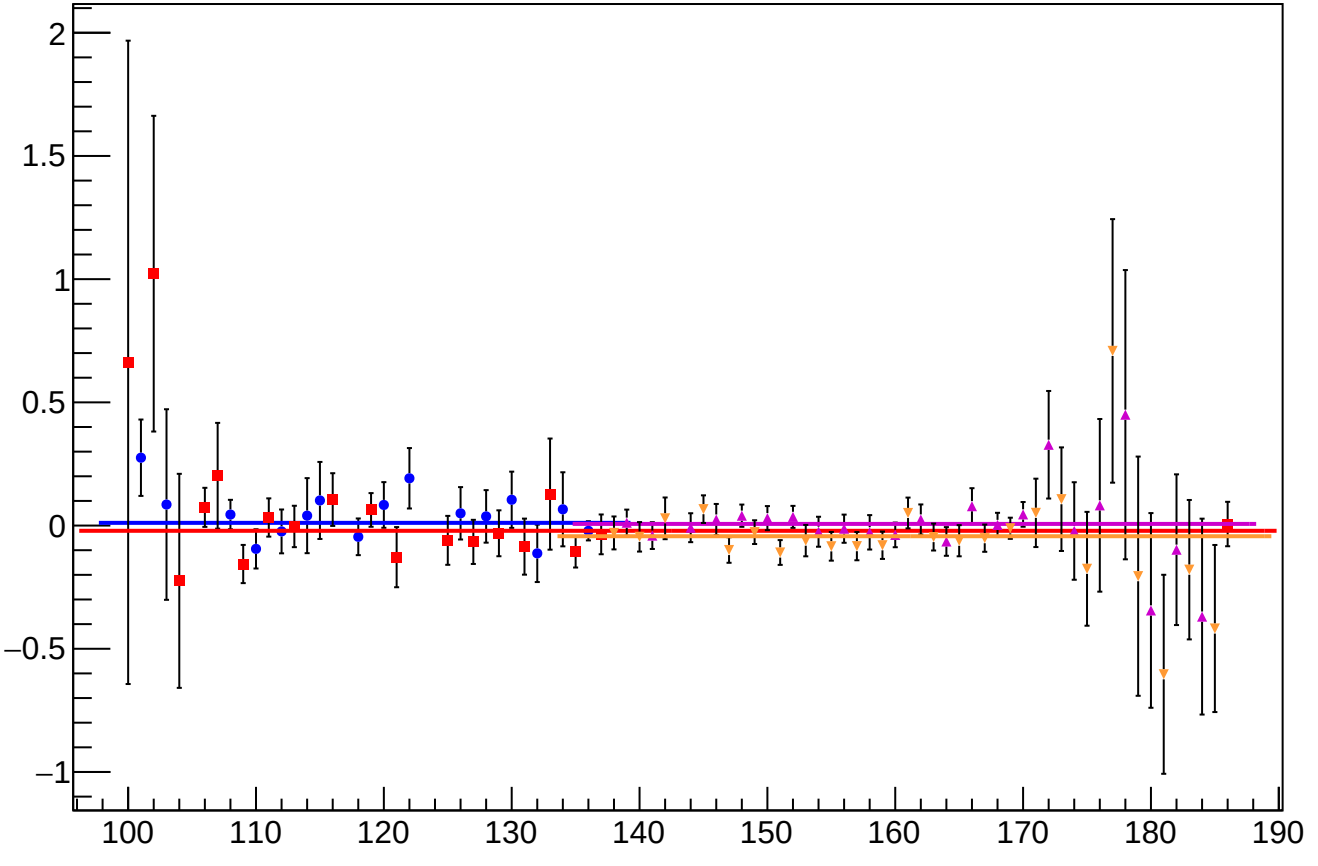
Right: 0.000+/-0.000 χ^2/NDF: 6824860.3/34

In: 0.000+/-0.000 χ^2/NDF:5349295.3/38

Out: 0.000+/-0.000 χ^2/NDF:6111636.6/42

All: 0.000+/-0.000 χ^2/NDF: 11472806.0/81

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-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

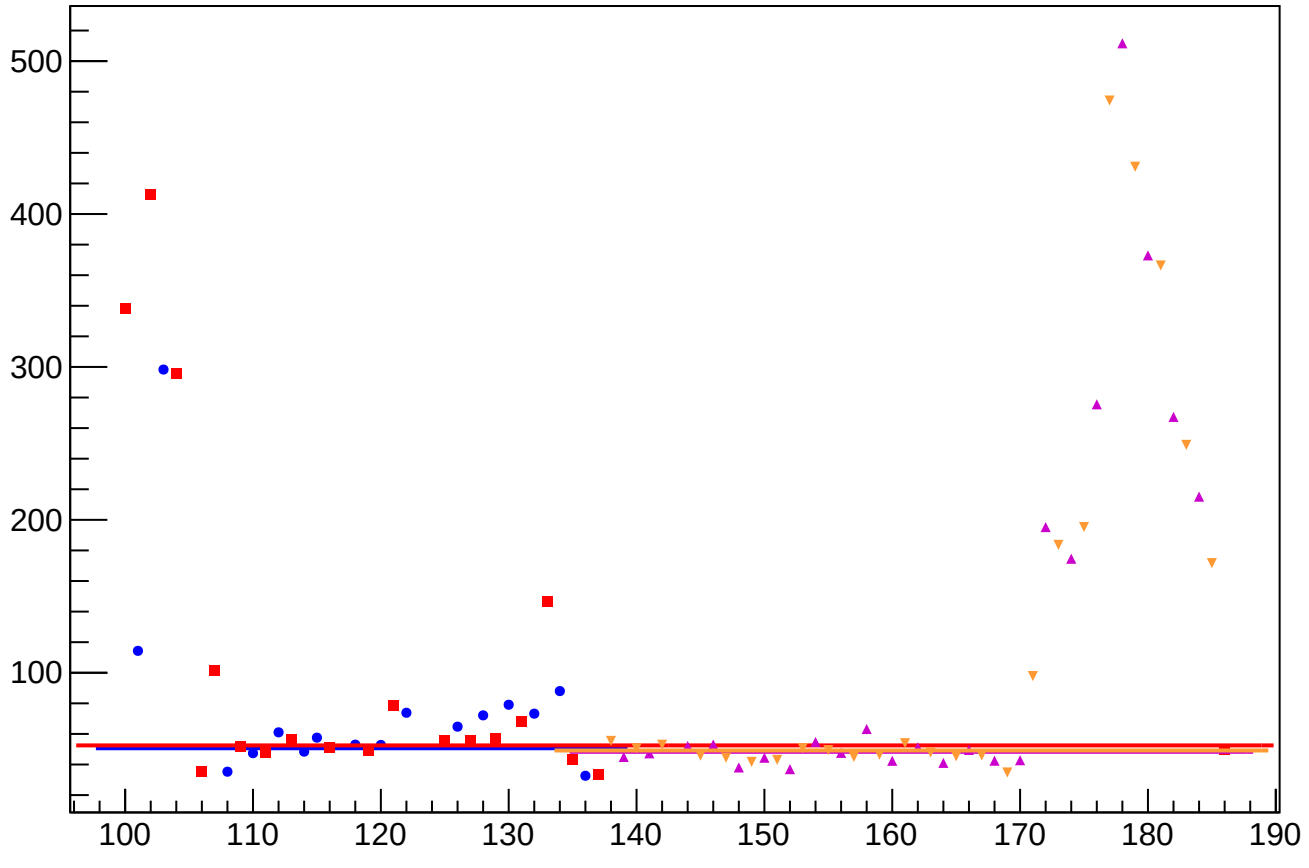
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.005+/-0.016 χ^2/NDF: 28.8/34

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.1/81



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

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

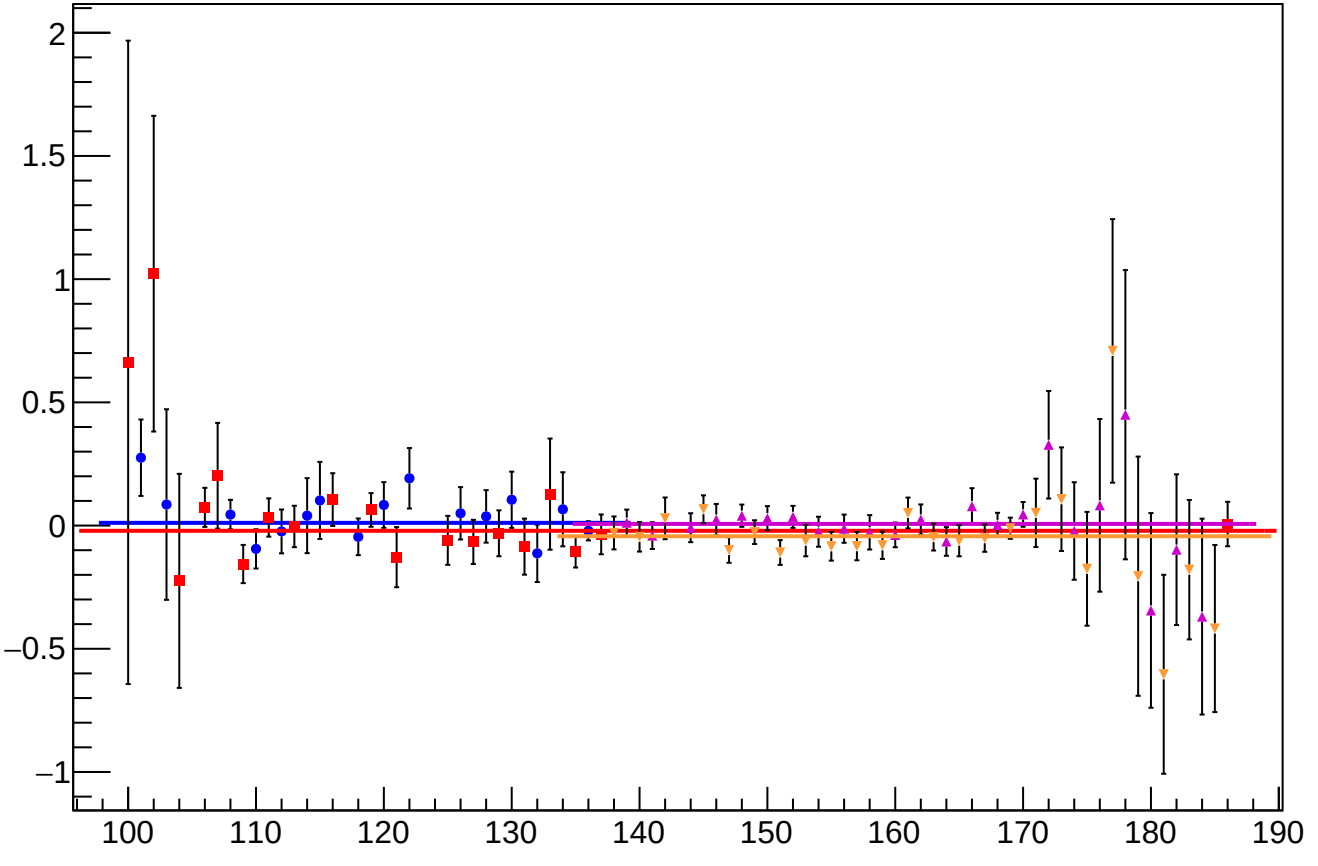
Right: 51.549+/-0.011 χ^2/NDF: 4487124.2/34

In: 48.953+/-0.008 χ^2/NDF:9323647.3/38

Out: 50.103+/-0.008 χ^2/NDF:9495444.1/42

All: 49.513+/-0.006 χ^2/NDF: 18828820.5/81

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-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

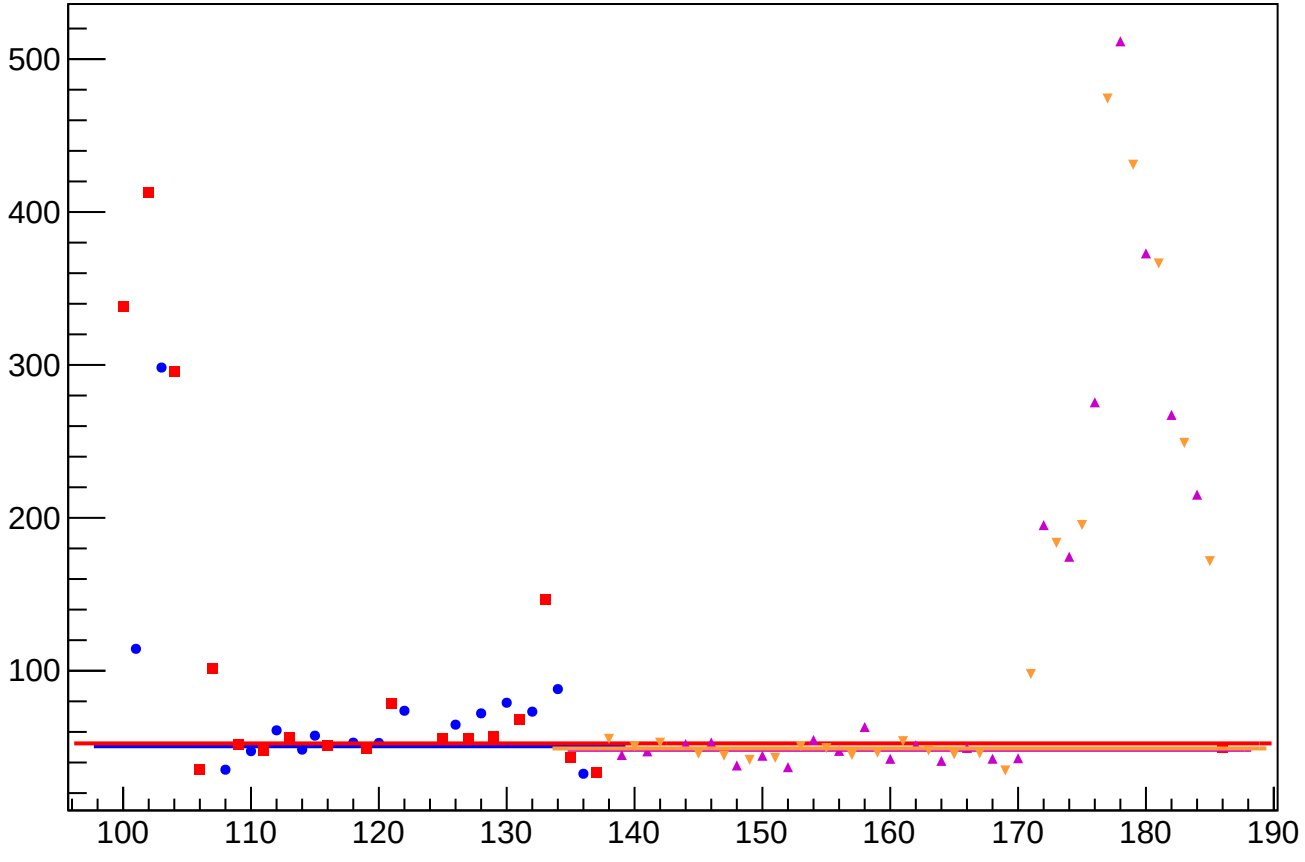
Right: -0.005+/-0.016 χ^2/NDF: 28.8/34

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.1/81

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 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

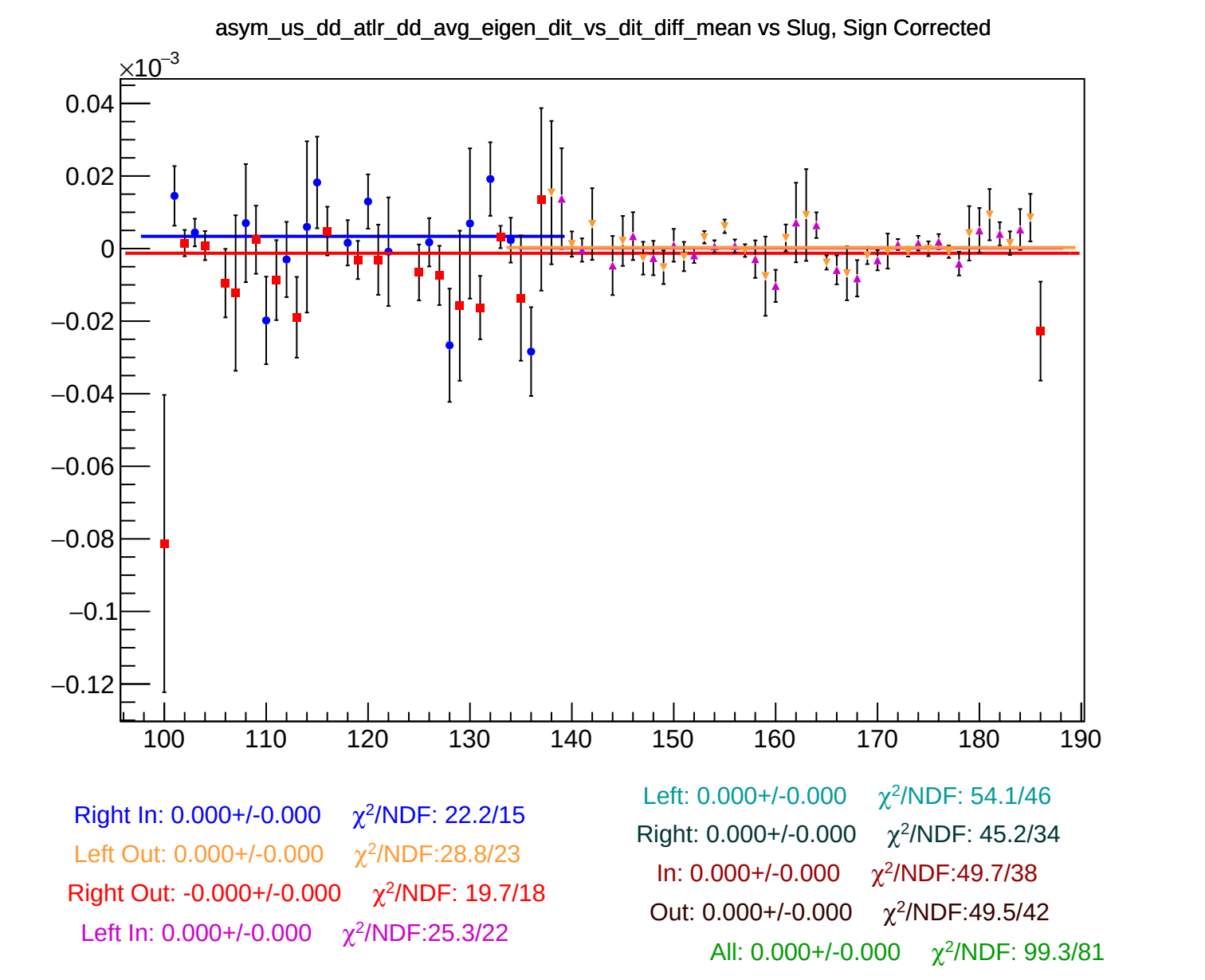
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 51.549+/-0.011 χ^2/NDF: 4487124.2/34

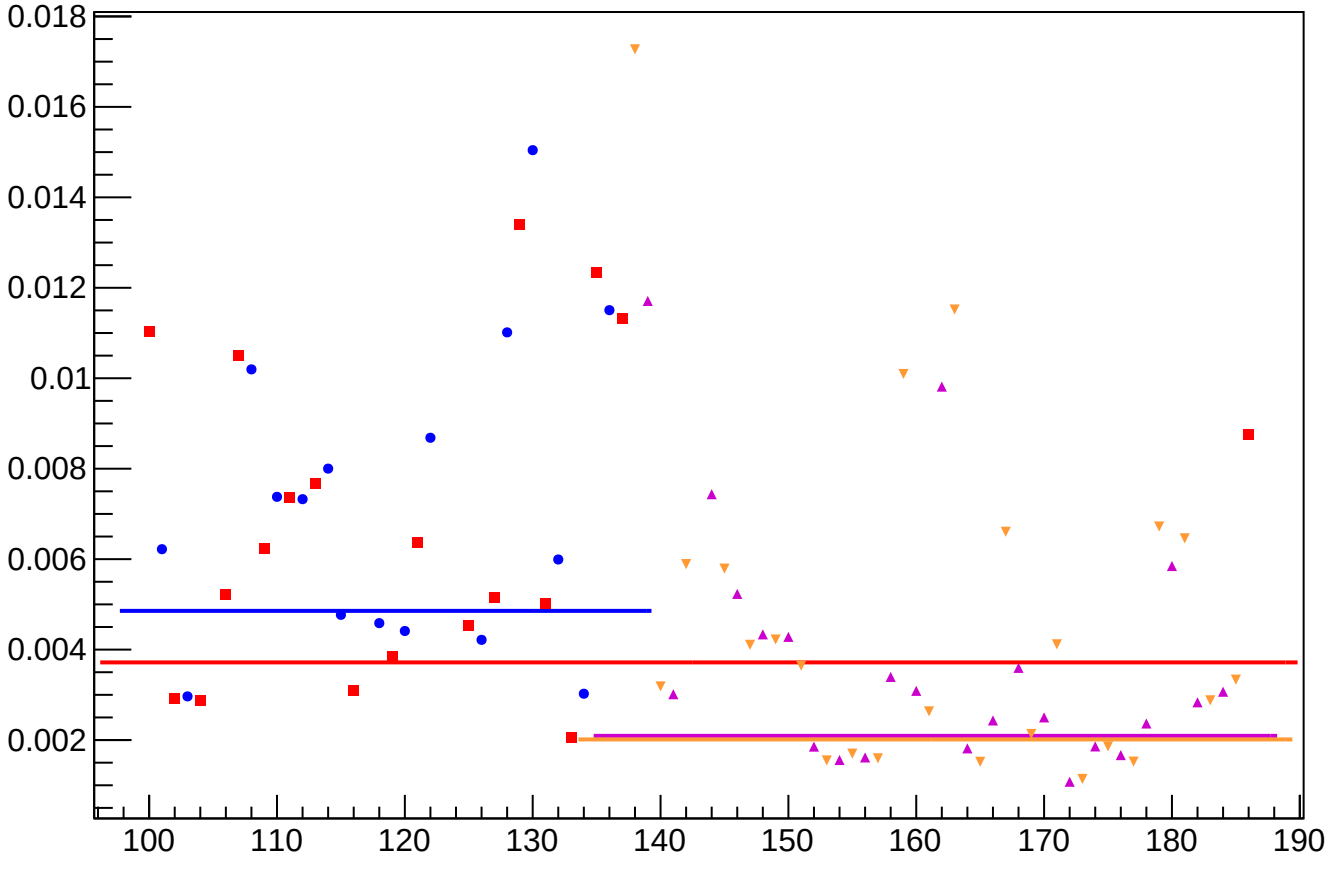
In: 48.953+/-0.008 χ^2/NDF:9323647.3/38

Out: 50.103+/-0.008 χ^2/NDF:9495444.1/42

All: 49.513+/-0.006 χ^2/NDF: 18828820.5/81


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: 22.2/15
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: 45.2/34
In: 0.000+/-0.000 χ²/NDF:49.7/38
Out: 0.000+/-0.000 χ²/NDF:49.5/42
All: 0.000+/-0.000 χ²/NDF: 99.3/81

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF: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

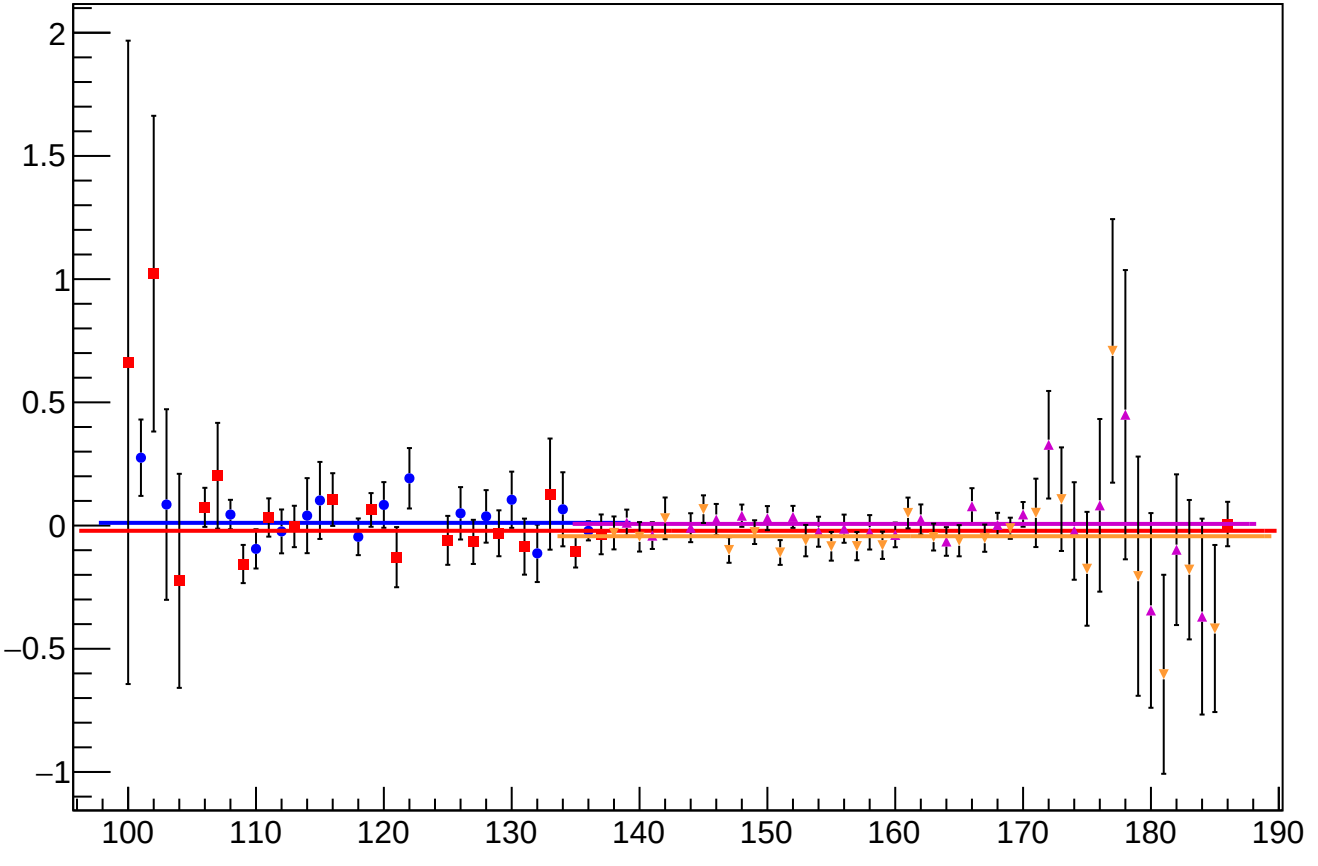
Right: 0.004+/-0.000 χ^2/NDF: 6514980.9/34

In: 0.002+/-0.000 χ^2/NDF:13139921.3/38

Out: 0.002+/-0.000 χ^2/NDF:15762636.2/42

All: 0.002+/-0.000 χ^2/NDF: 28933237.7/81

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.043+/-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

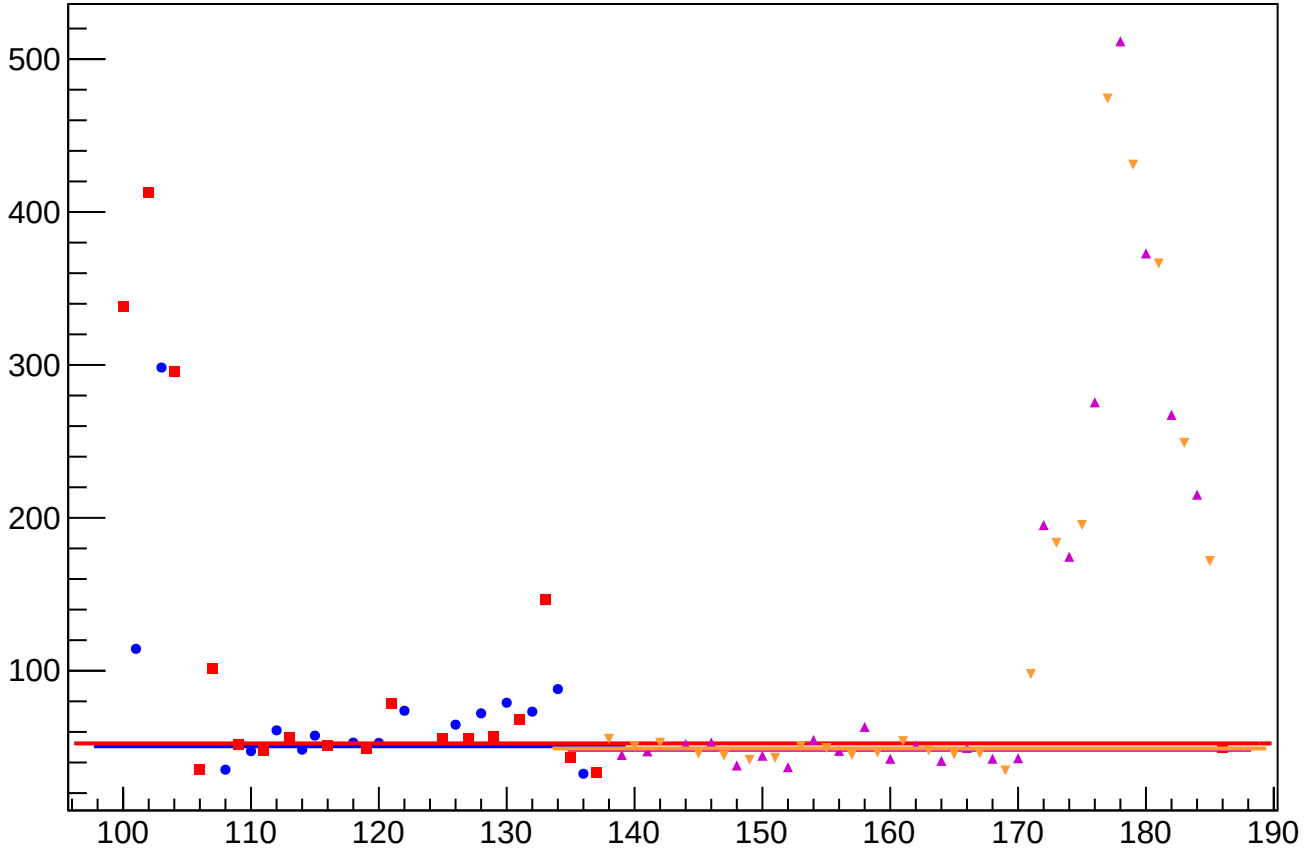
Right: -0.005+/-0.016 χ^2/NDF: 28.8/34

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.1/81

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 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

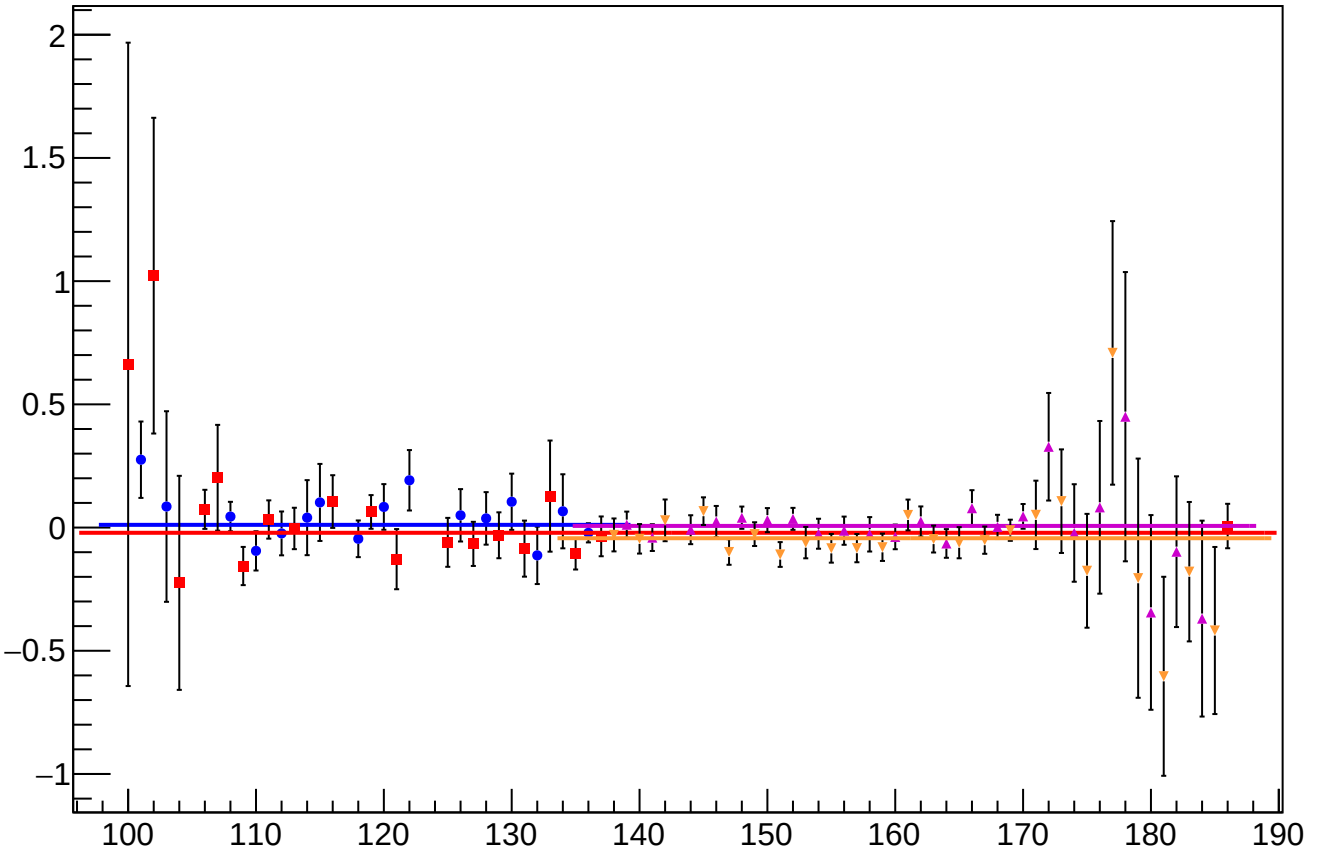
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 51.550+/-0.011 χ^2/NDF: 4486916.7/34

In: 48.954+/-0.008 χ^2/NDF:9323474.6/38

Out: 50.103+/-0.008 χ^2/NDF:9495360.1/42

All: 49.513+/-0.006 χ^2/NDF: 18828556.6/81



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

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

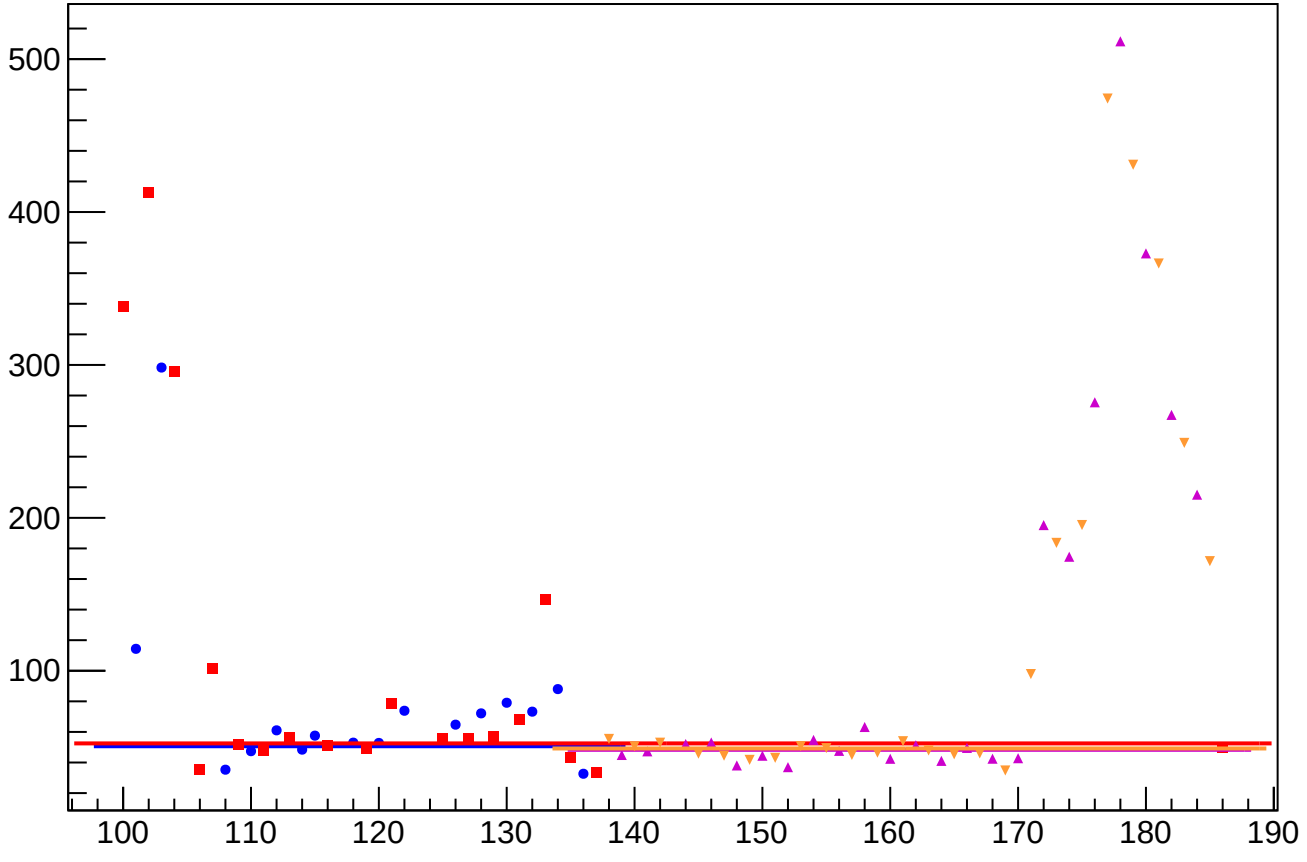
Right: -0.005+/-0.016 χ^2/NDF: 28.8/34

In: 0.008+/-0.012 χ^2/NDF:23.1/38

Out: -0.037+/-0.012 χ^2/NDF:35.6/42

All: -0.014+/-0.008 χ^2/NDF: 66.1/81

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 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

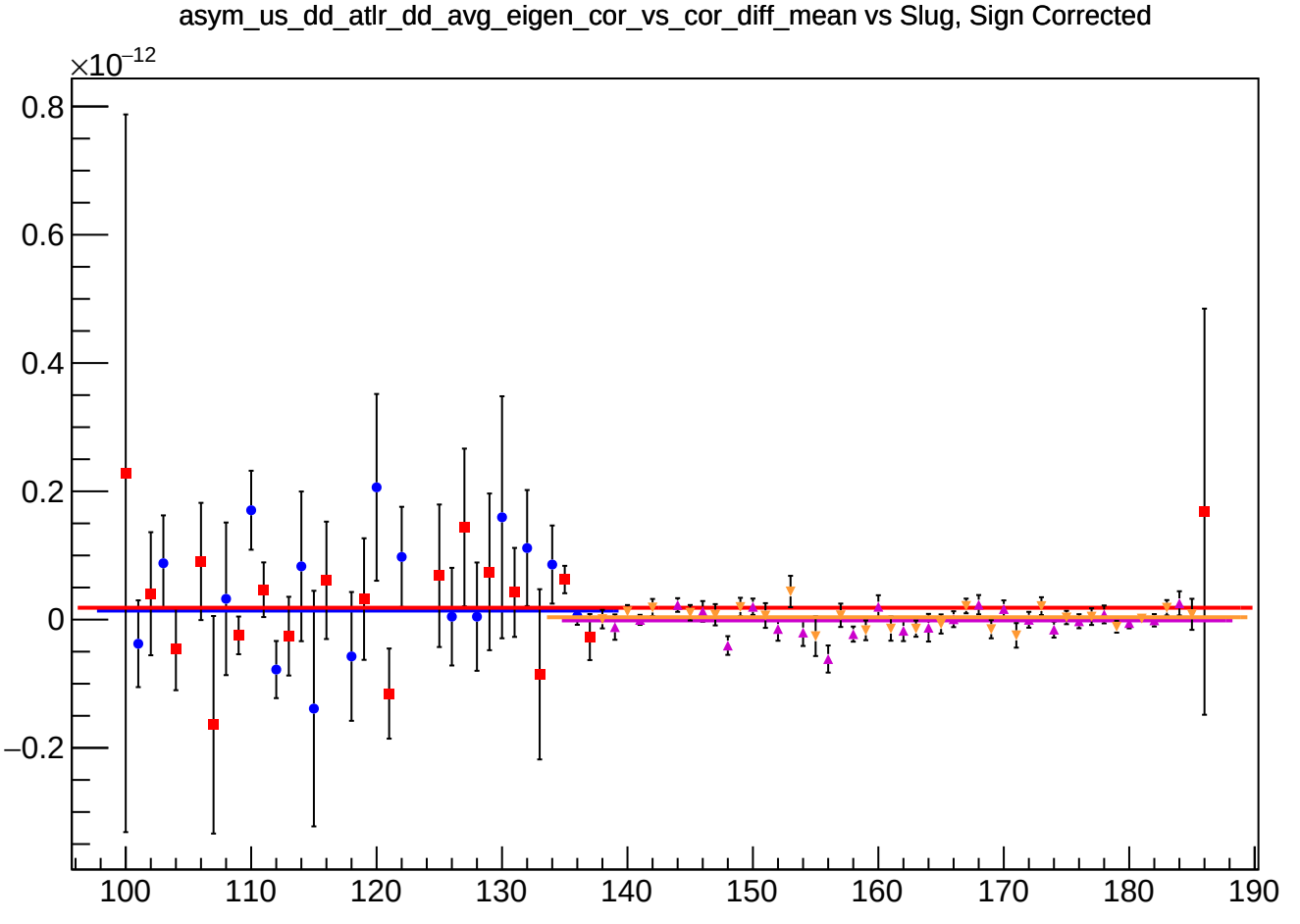
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 51.550+/-0.011 χ^2/NDF: 4486916.7/34

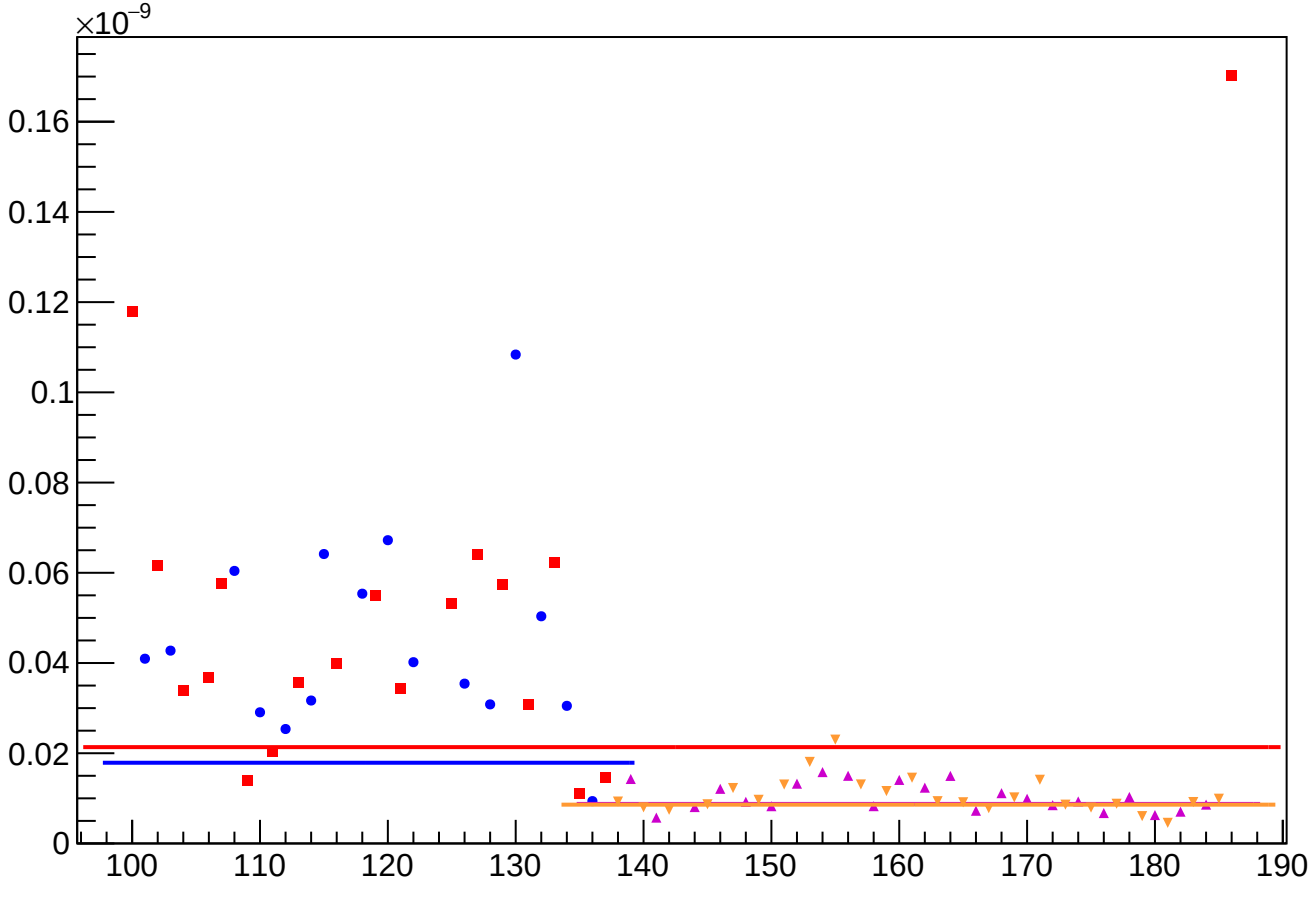
In: 48.954+/-0.008 χ^2/NDF:9323474.6/38

Out: 50.103+/-0.008 χ^2/NDF:9495360.1/42

All: 49.513+/-0.006 χ^2/NDF: 18828556.6/81


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: 20.3/15
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: 38.6/34
In: -0.000+/-0.000 χ²/NDF:62.1/38
Out: 0.000+/-0.000 χ²/NDF:44.2/42
All: 0.000+/-0.000 χ²/NDF: 107.9/81

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

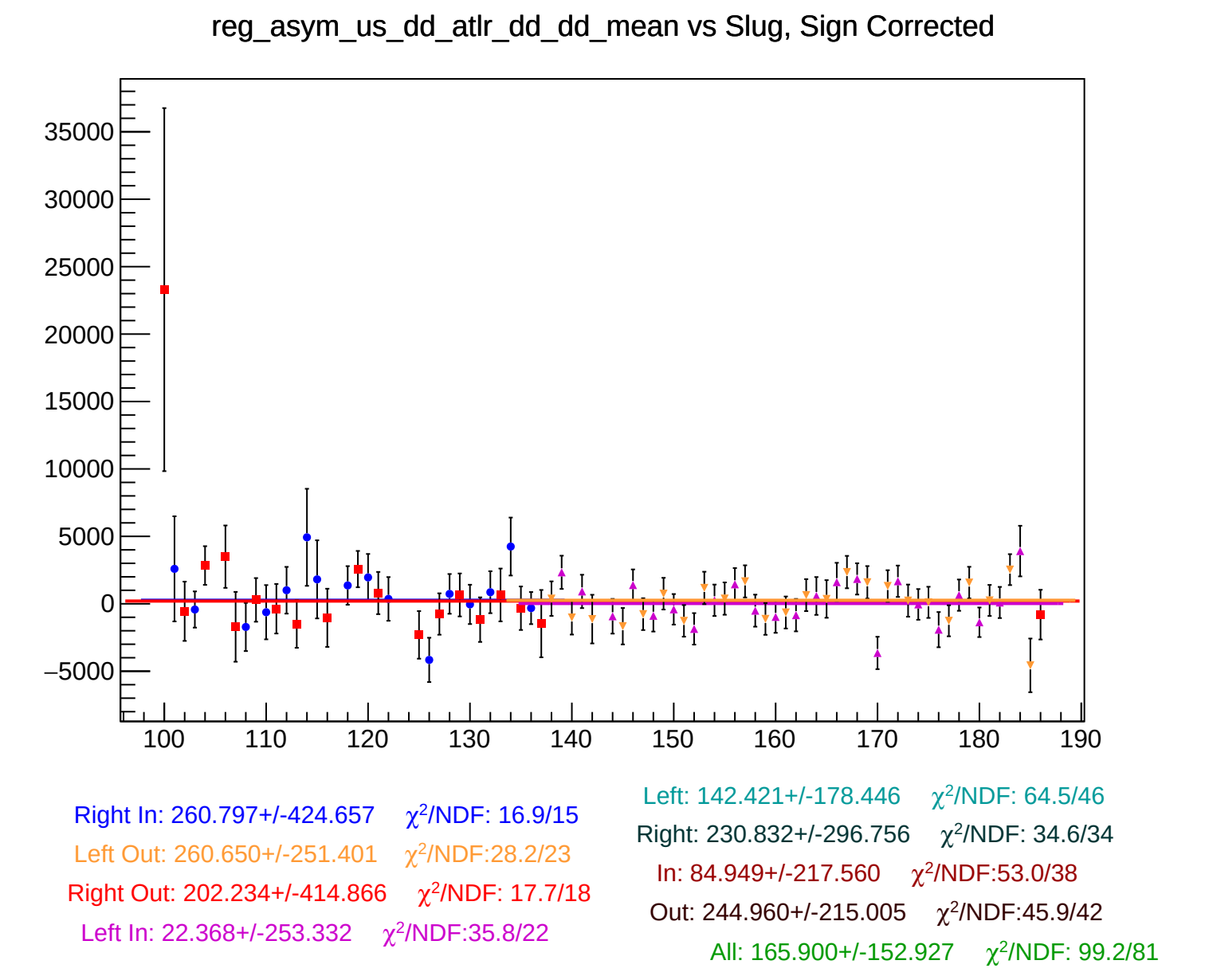
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

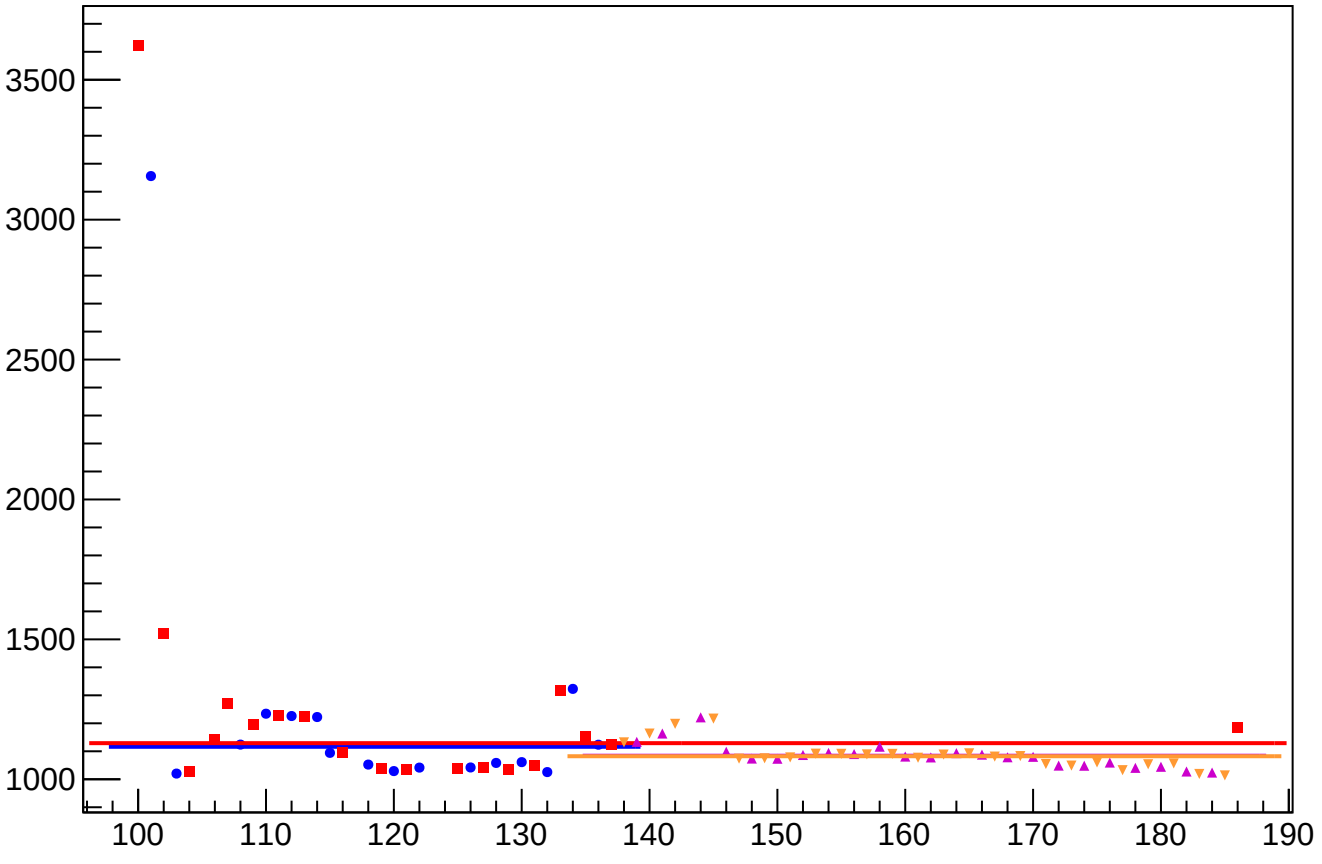
Right: 0.000+/-0.000 χ^2/NDF: 6547386.9/34

In: 0.000+/-0.000 χ^2/NDF:6583533.4/38

Out: 0.000+/-0.000 χ^2/NDF:7548530.2/42

All: 0.000+/-0.000 χ^2/NDF: 14133522.3/81


reg_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: 260.797+/-424.657 χ²/NDF: 16.9/15
Left Out: 260.650+/-251.401 χ²/NDF:28.2/23
Right Out: 202.234+/-414.866 χ²/NDF: 17.7/18
Left In: 22.368+/-253.332 χ²/NDF:35.8/22
Left: 142.421+/-178.446 χ²/NDF: 64.5/46
Right: 230.832+/-296.756 χ²/NDF: 34.6/34
In: 84.949+/-217.560 χ²/NDF:53.0/38
Out: 244.960+/-215.005 χ²/NDF:45.9/42
All: 165.900+/-152.927 χ²/NDF: 99.2/81



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

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

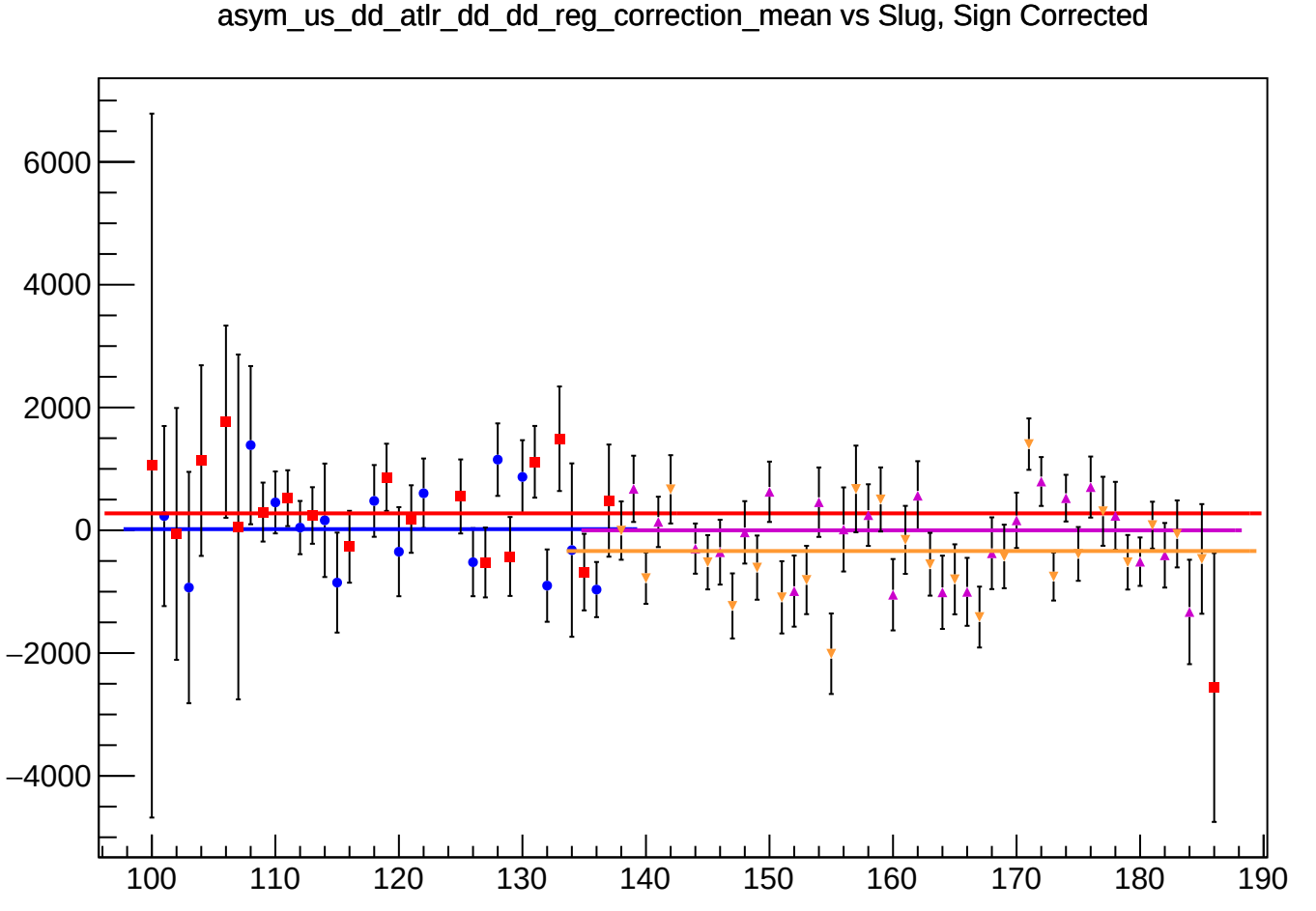
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1122.725+/-0.210 χ^2/NDF: 848468.1/34

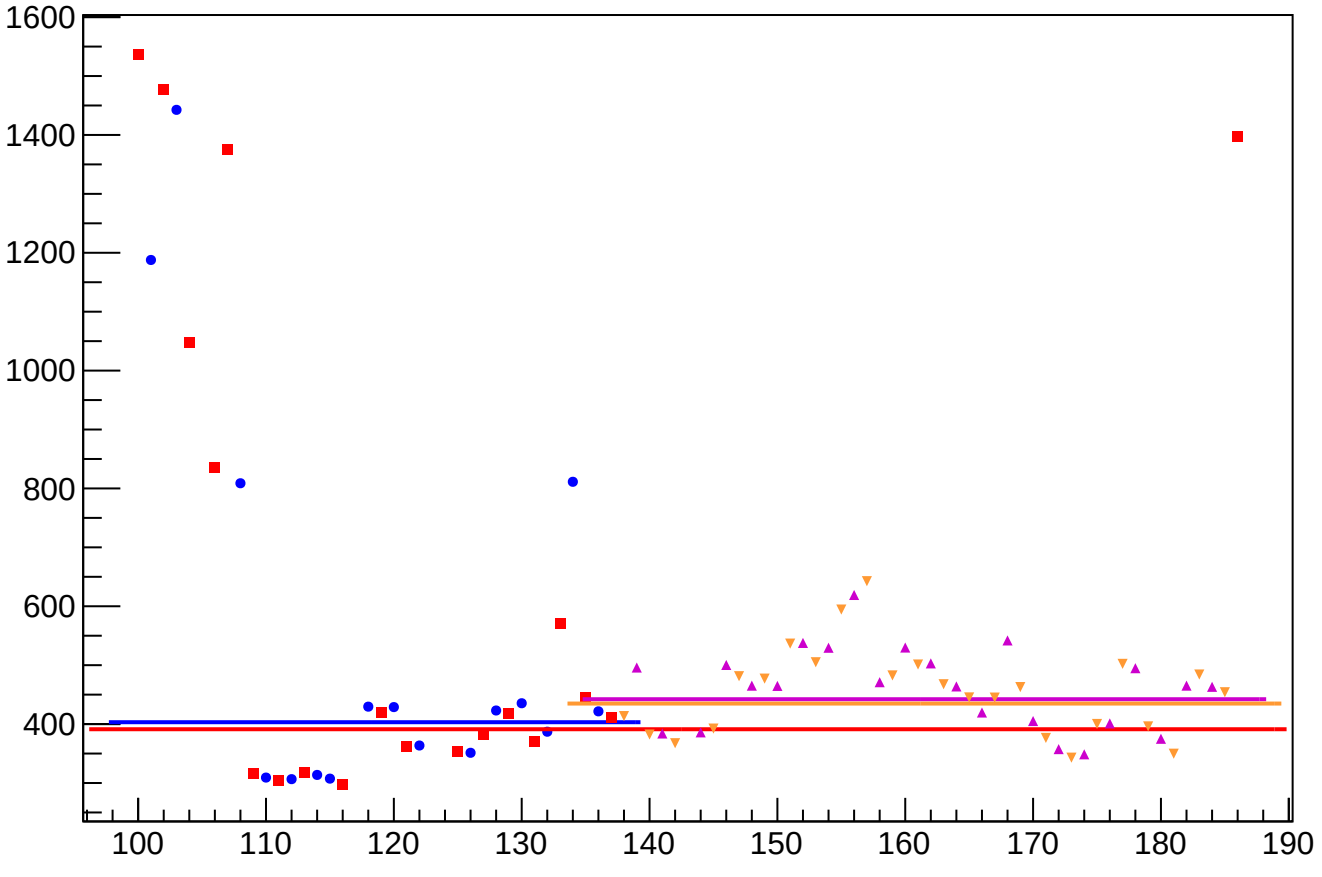
In: 1092.545+/-0.154 χ^2/NDF:685165.4/38

Out: 1094.864+/-0.152 χ^2/NDF:300571.6/42

All: 1093.718+/-0.108 χ^2/NDF: 985852.0/81


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 18.468+/-161.237 χ²/NDF: 19.2/15
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 275.521+/-155.793 χ²/NDF: 15.2/18
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 151.407+/-112.038 χ²/NDF: 35.7/34
In: 5.096+/-87.830 χ²/NDF:51.1/38
Out: -152.211+/-85.688 χ²/NDF:74.8/42
All: -75.500+/-61.334 χ²/NDF: 127.5/81

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 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

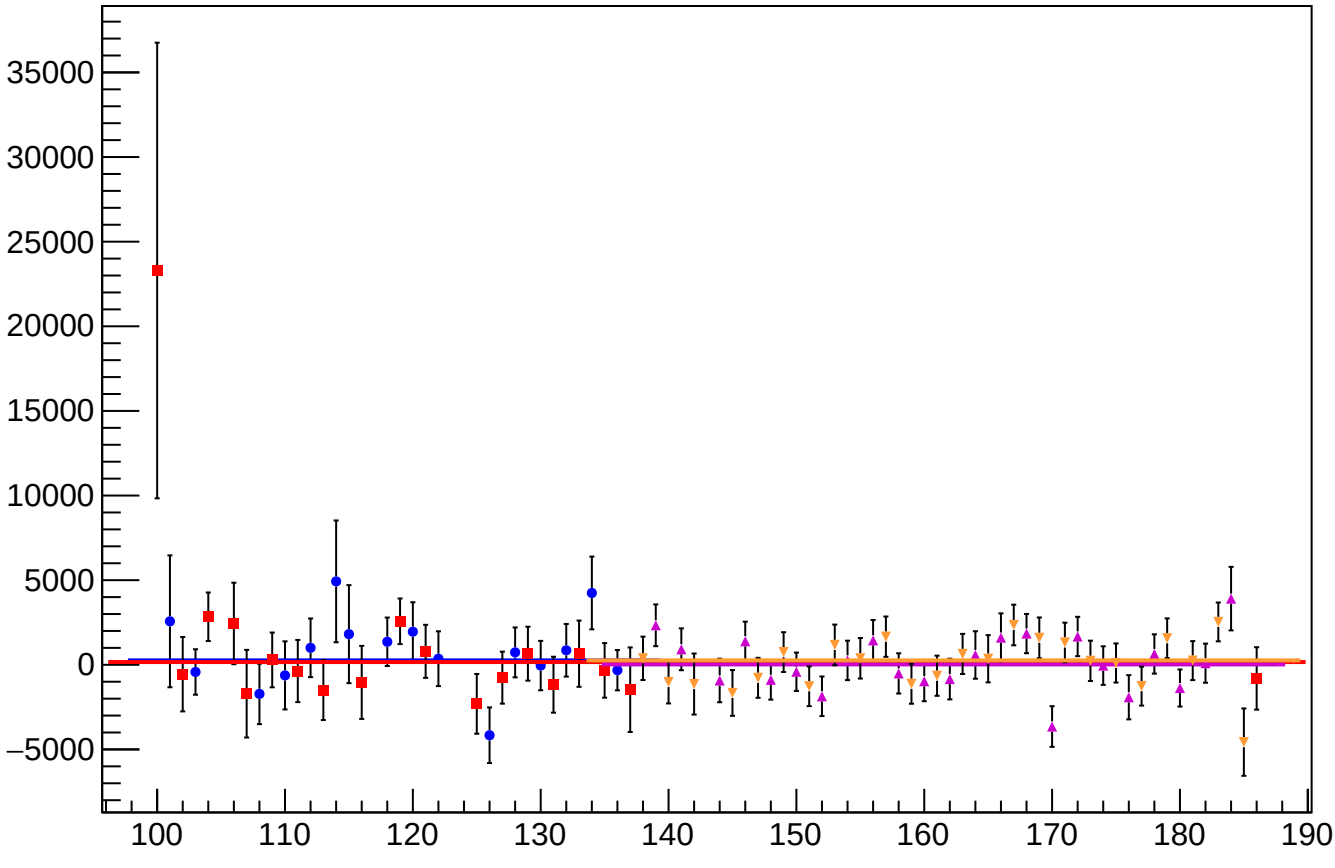
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 397.025+/-0.079 χ^2/NDF: 3997794.6/34

In: 430.632+/-0.062 χ^2/NDF:2716756.4/38

Out: 421.671+/-0.061 χ^2/NDF:3171336.0/42

All: 426.041+/-0.043 χ^2/NDF: 5898758.2/81



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

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

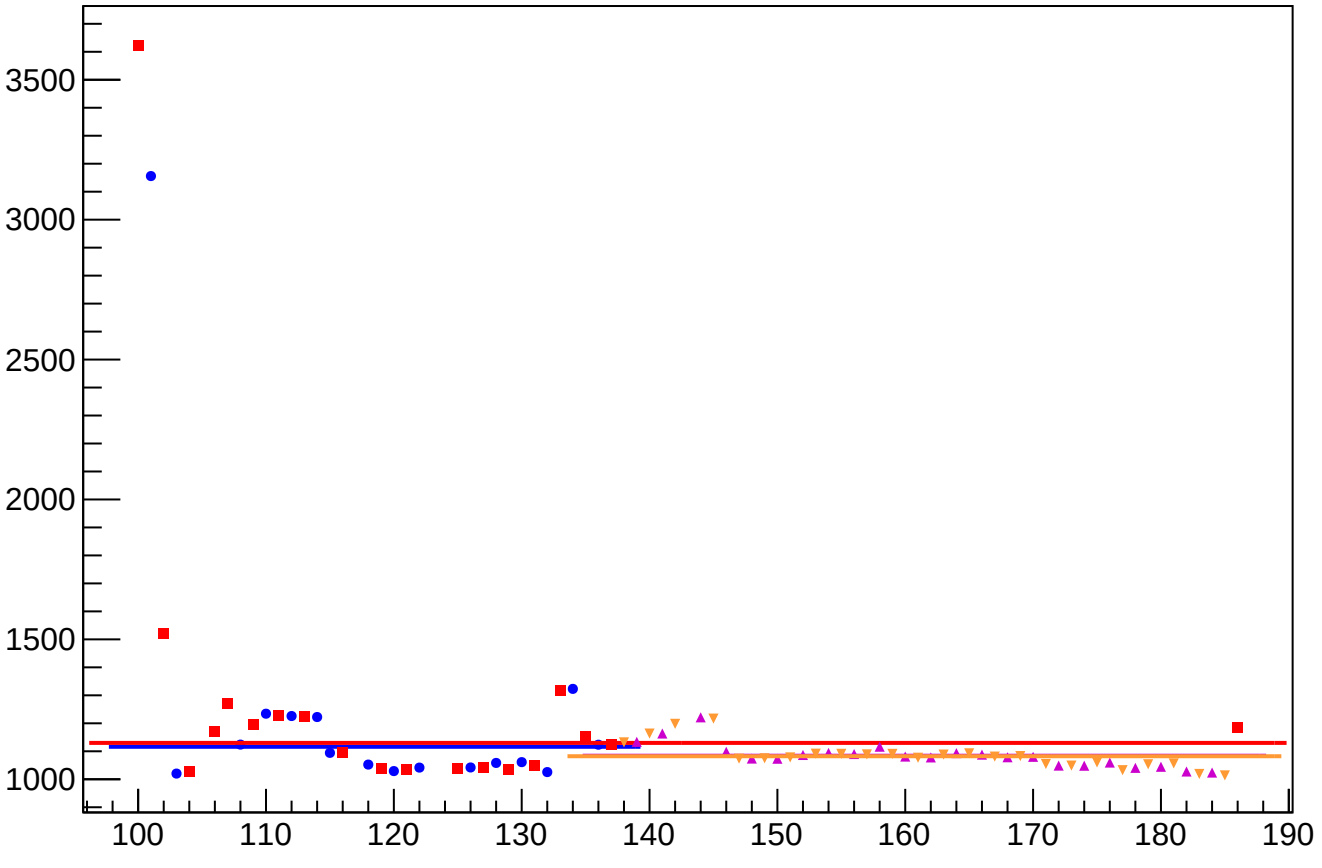
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 210.517+/-296.944 χ^2/NDF: 33.5/34

In: 84.844+/-217.560 χ^2/NDF:53.0/38

Out: 234.402+/-215.077 χ^2/NDF:44.8/42

All: 160.482+/-152.953 χ^2/NDF: 98.0/81



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

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

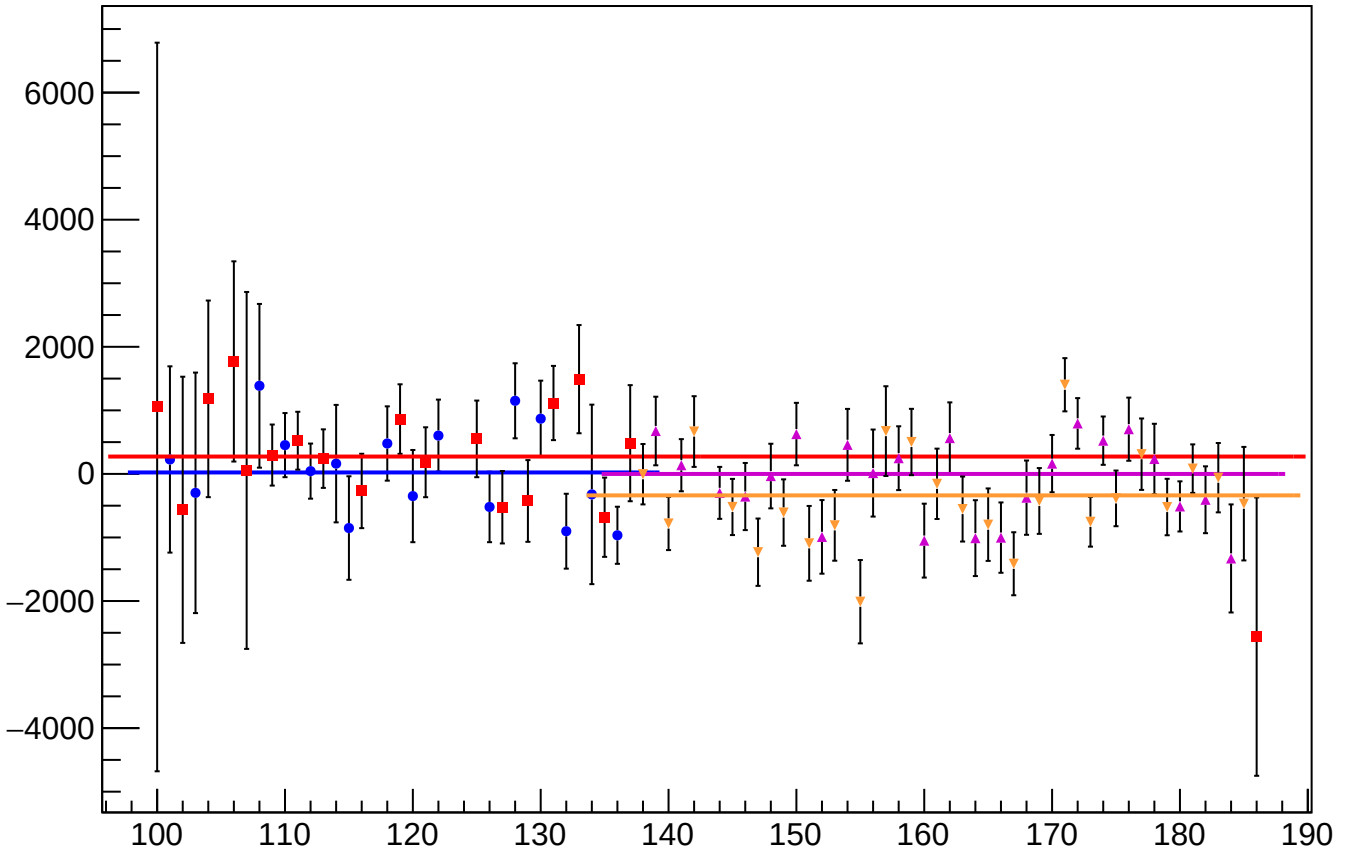
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1123.179+/-0.210 χ^2/NDF: 849176.6/34

In: 1092.545+/-0.154 χ^2/NDF:685166.3/38

Out: 1095.084+/-0.152 χ^2/NDF:301833.2/42

All: 1093.829+/-0.108 χ^2/NDF: 987137.2/81



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

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

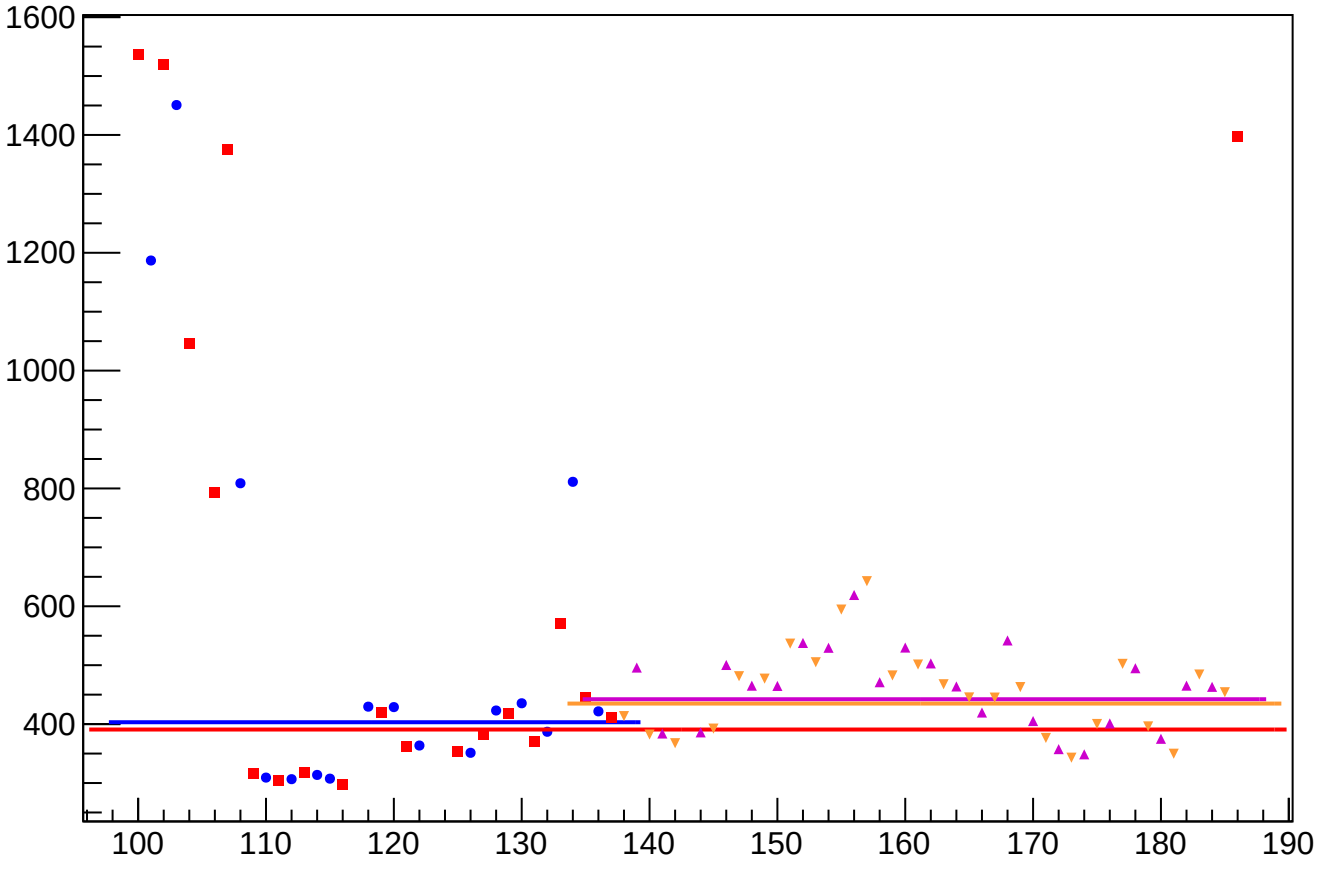
Right: 152.338+/-112.047 χ^2/NDF: 35.5/34

In: 6.403+/-87.831 χ^2/NDF:50.8/38

Out: -153.016+/-85.692 χ^2/NDF:74.9/42

All: -75.271+/-61.335 χ^2/NDF: 127.4/81

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 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

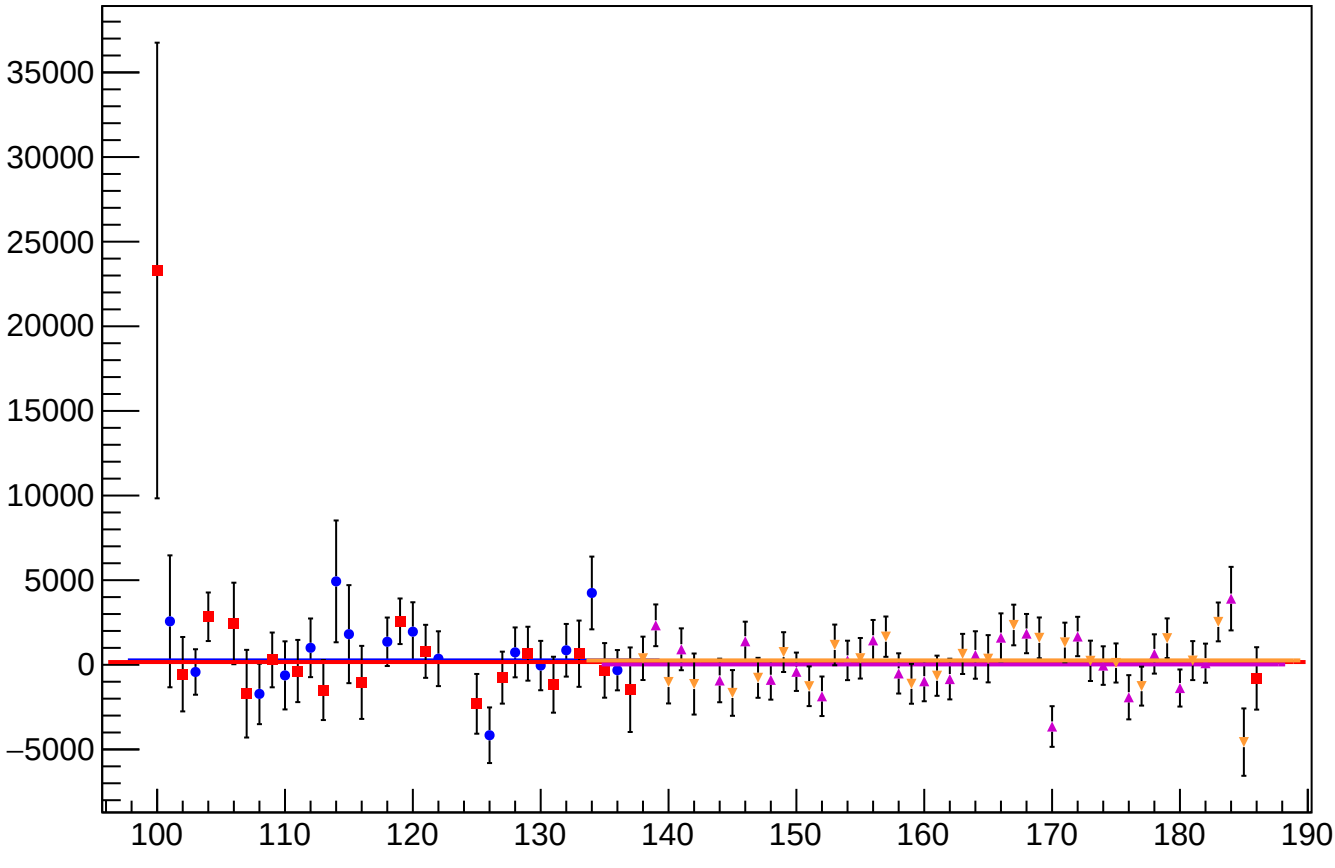
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 396.782+/-0.079 χ^2/NDF: 3990330.9/34

In: 430.629+/-0.062 χ^2/NDF:2720361.6/38

Out: 421.533+/-0.061 χ^2/NDF:3162136.4/42

All: 425.969+/-0.043 χ^2/NDF: 5893488.7/81



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

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

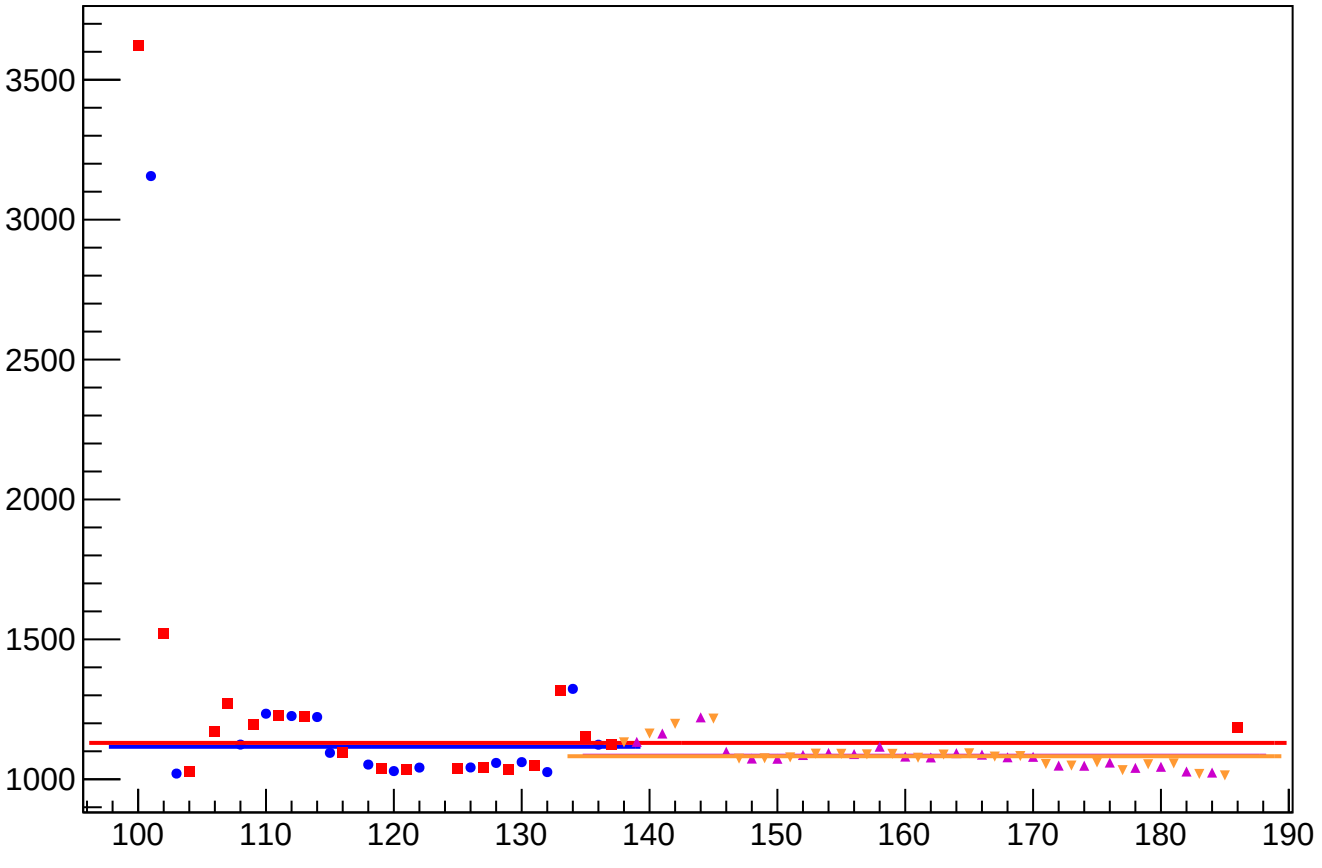
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 210.517+/-296.944 χ^2/NDF: 33.5/34

In: 84.844+/-217.560 χ^2/NDF:53.0/38

Out: 234.402+/-215.077 χ^2/NDF:44.8/42

All: 160.482+/-152.953 χ^2/NDF: 98.0/81



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

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

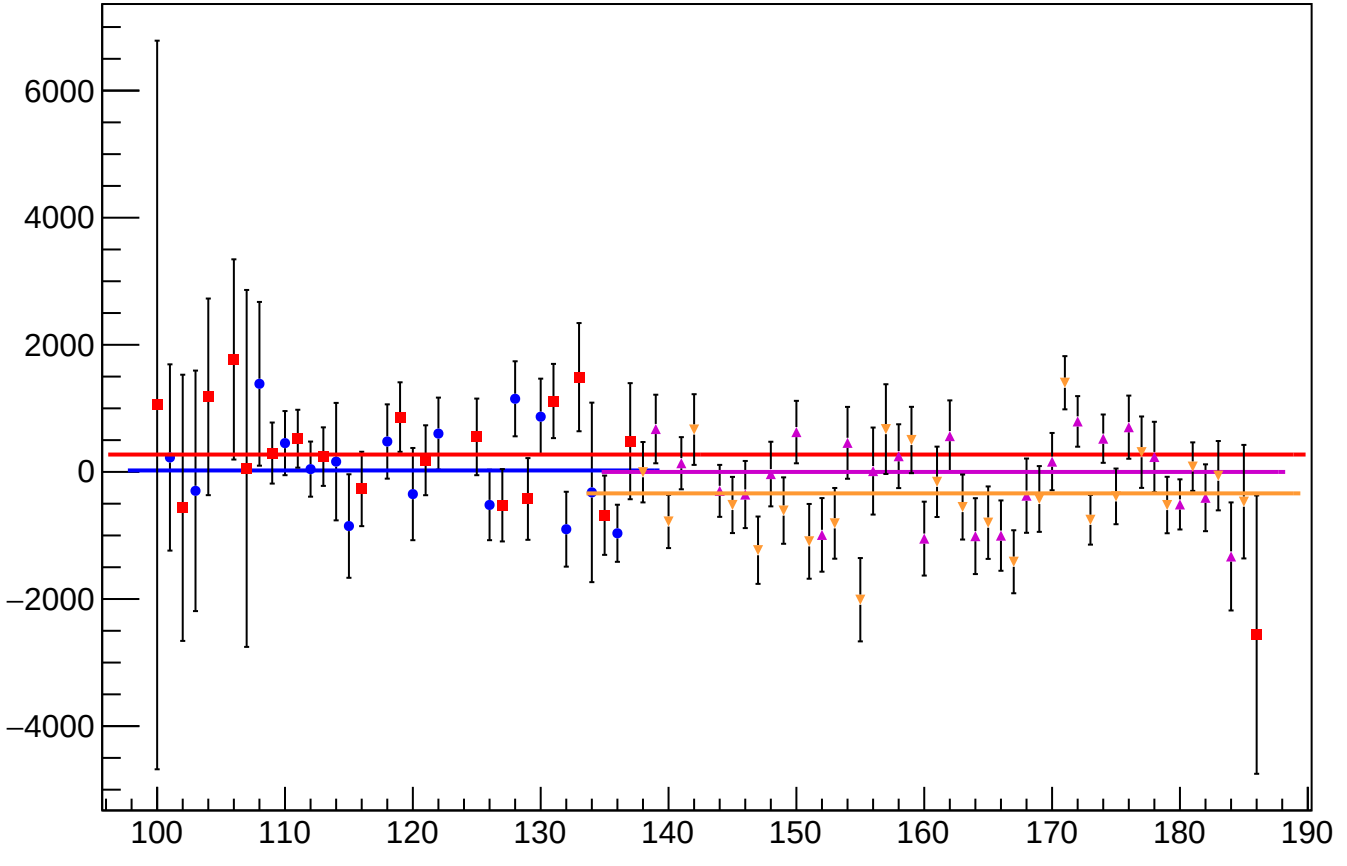
Right: 1123.179+/-0.210 χ^2/NDF: 849176.6/34

In: 1092.545+/-0.154 χ^2/NDF:685166.3/38

Out: 1095.084+/-0.152 χ^2/NDF:301833.2/42

All: 1093.829+/-0.108 χ^2/NDF: 987137.2/81

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -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

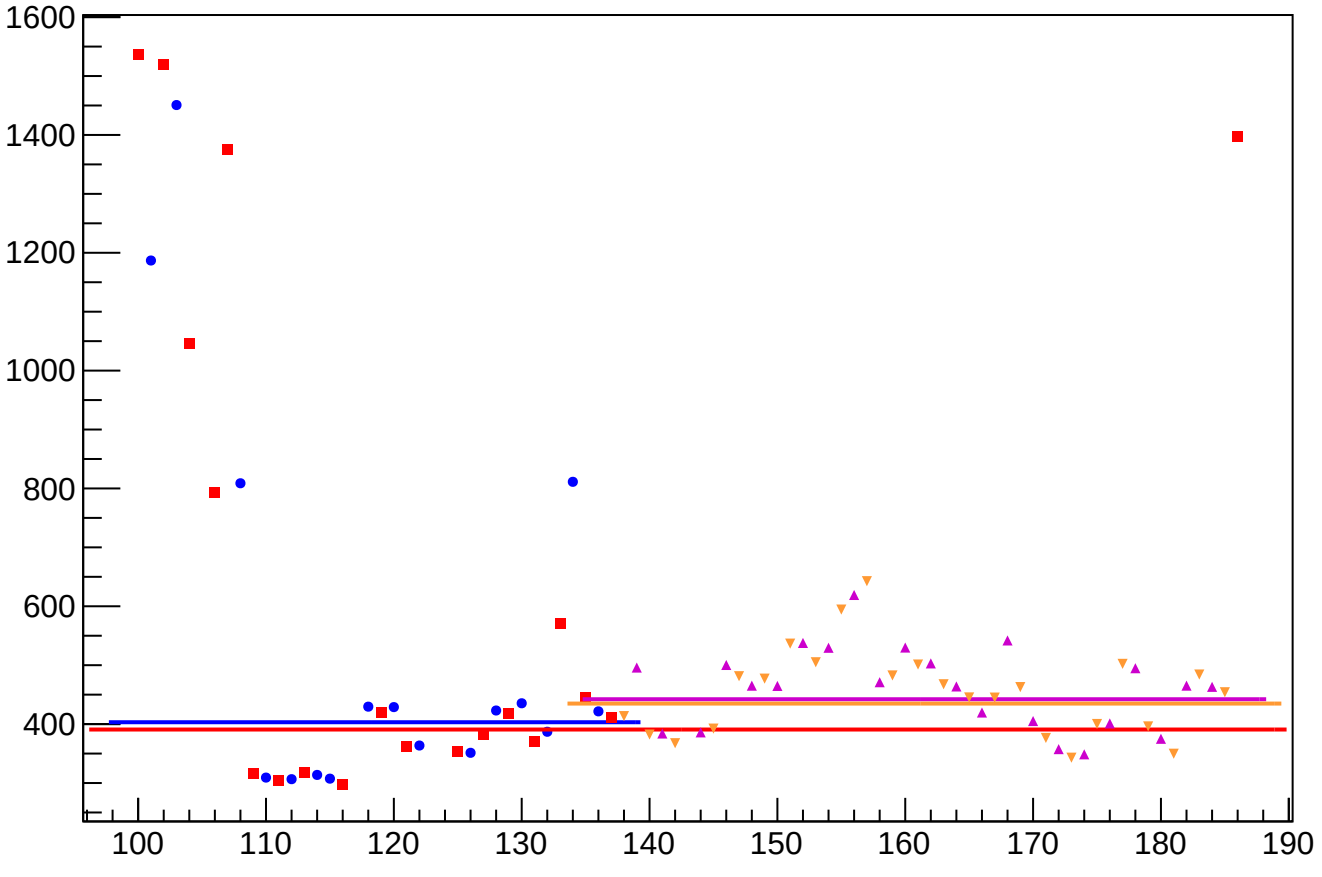
Right: 152.338+/-112.047 χ^2/NDF: 35.5/34

In: 6.403+/-87.831 χ^2/NDF:50.8/38

Out: -153.016+/-85.692 χ^2/NDF:74.9/42

All: -75.271+/-61.335 χ^2/NDF: 127.4/81

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 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

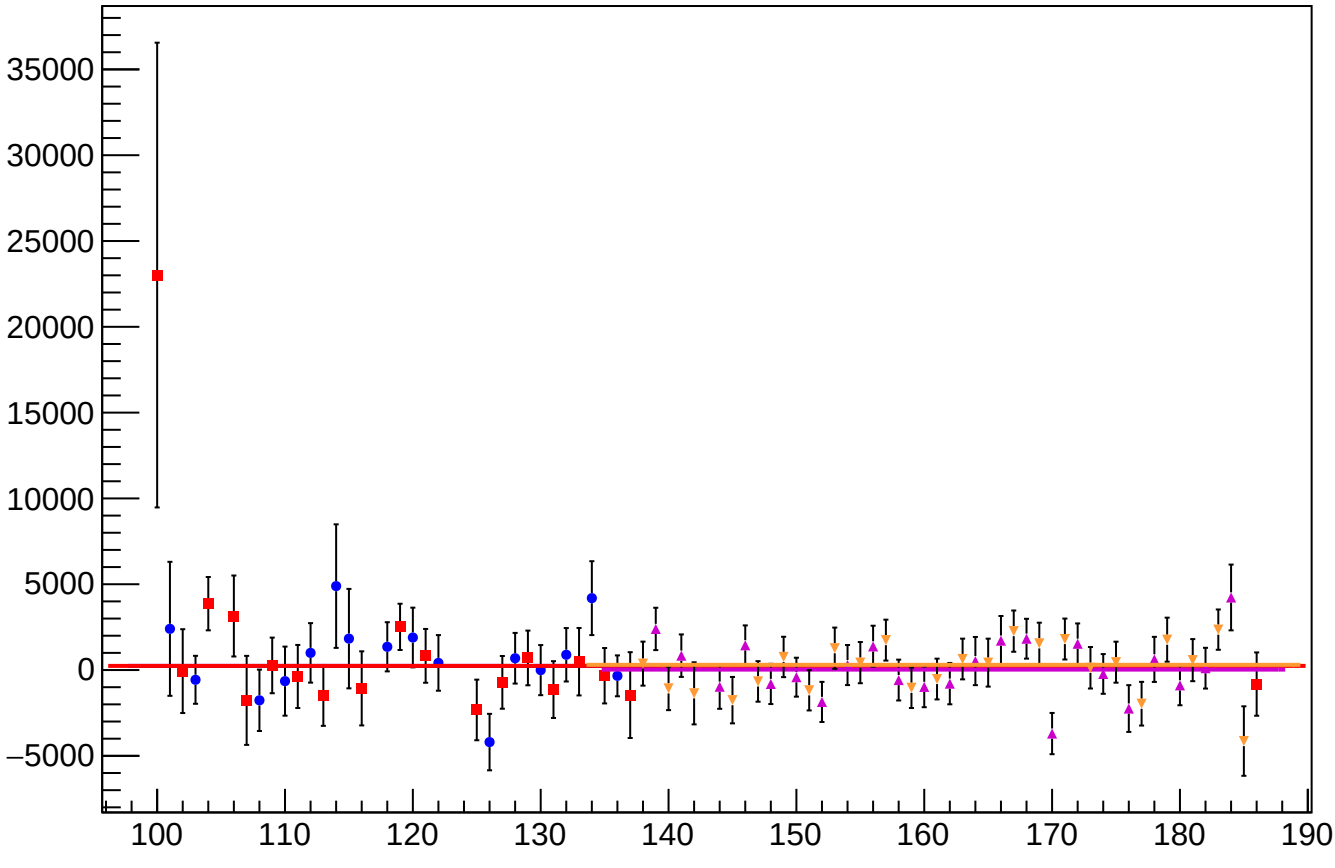
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 396.782+/-0.079 χ^2/NDF: 3990330.9/34

In: 430.629+/-0.062 χ^2/NDF:2720361.6/38

Out: 421.533+/-0.061 χ^2/NDF:3162136.4/42

All: 425.969+/-0.043 χ^2/NDF: 5893488.7/81



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

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

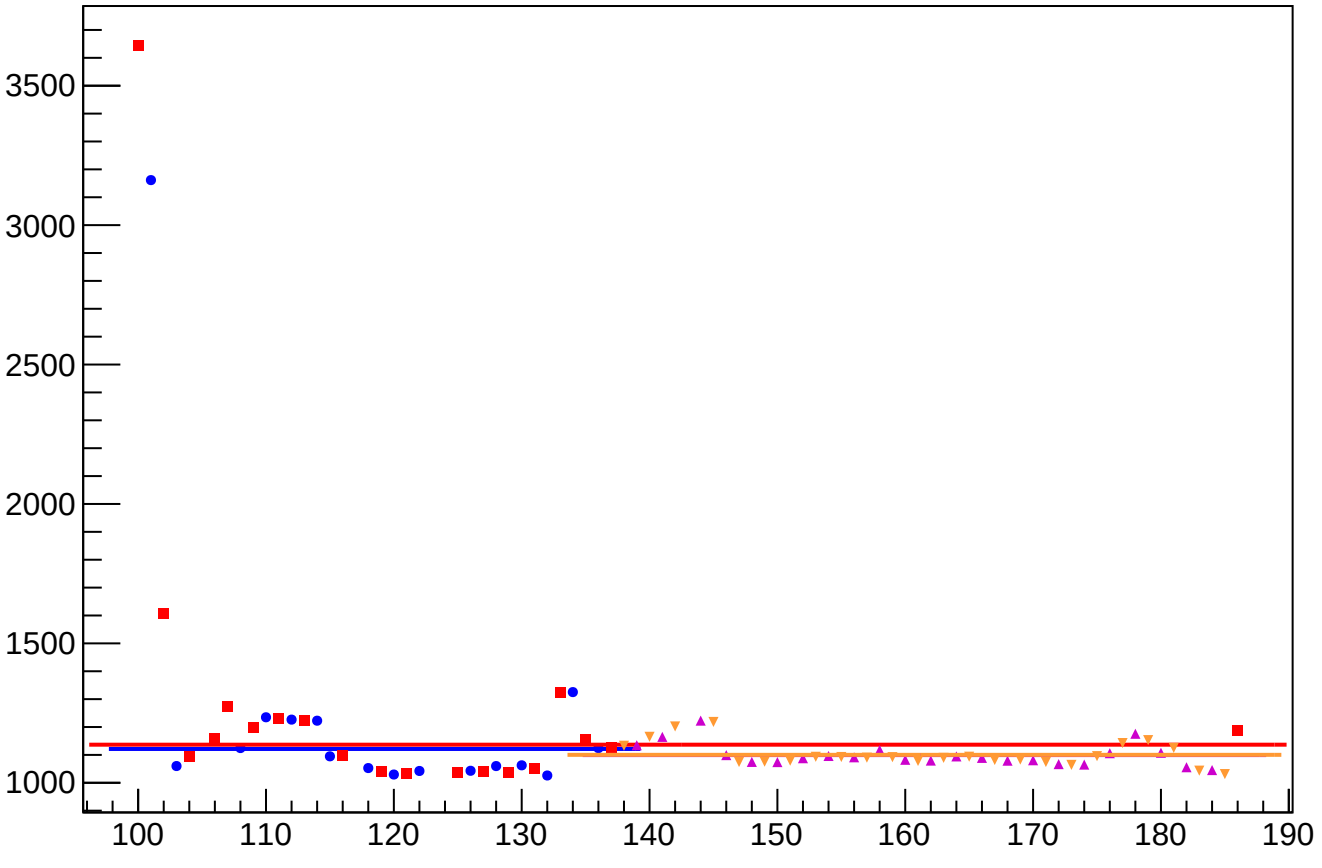
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 240.990+/-299.100 χ^2/NDF: 36.0/34

In: 82.663+/-220.053 χ^2/NDF:53.0/38

Out: 286.552+/-218.245 χ^2/NDF:47.5/42

All: 185.449+/-154.958 χ^2/NDF: 101.0/81



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

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

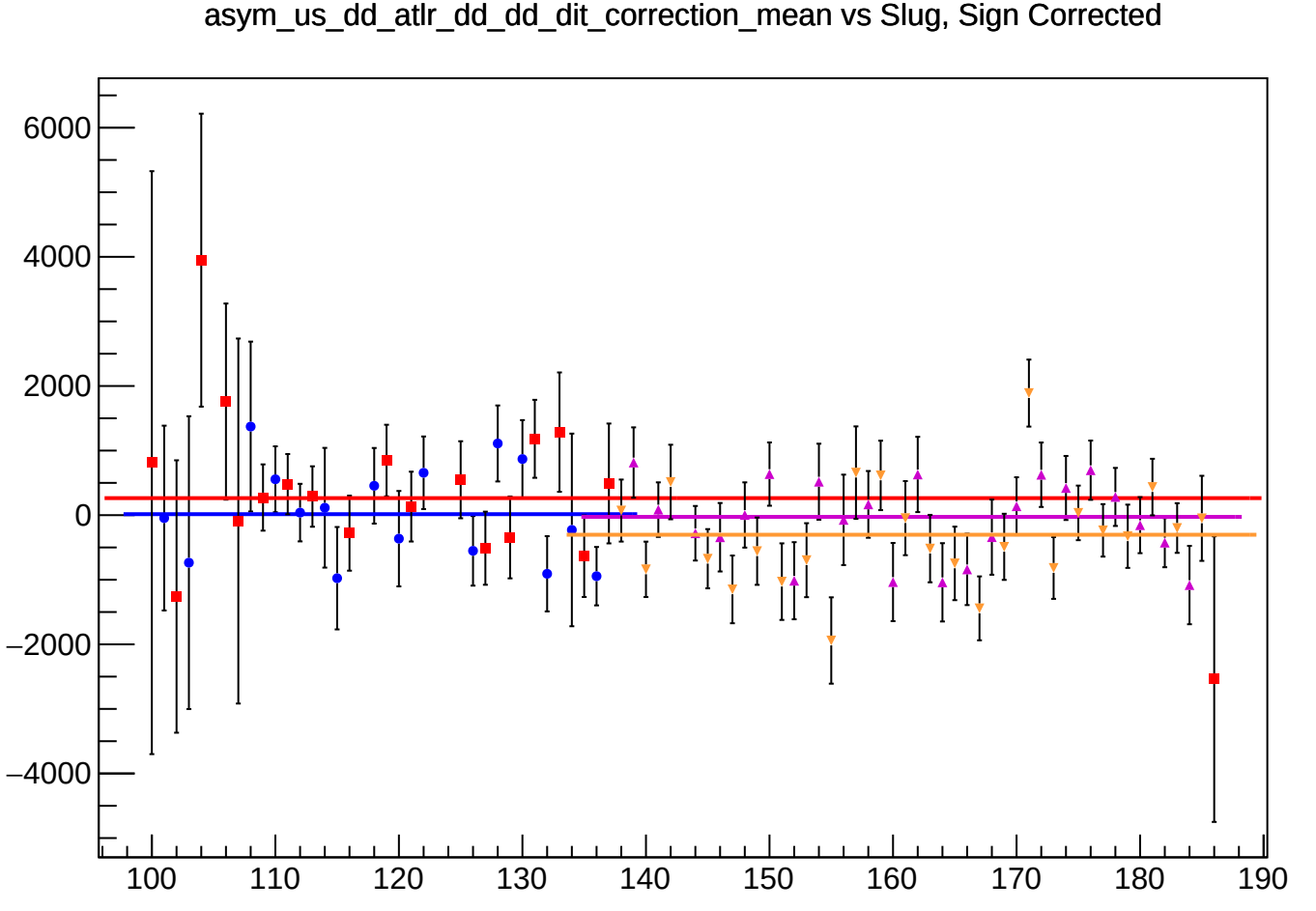
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1129.102+/-0.211 χ^2/NDF: 847349.1/34

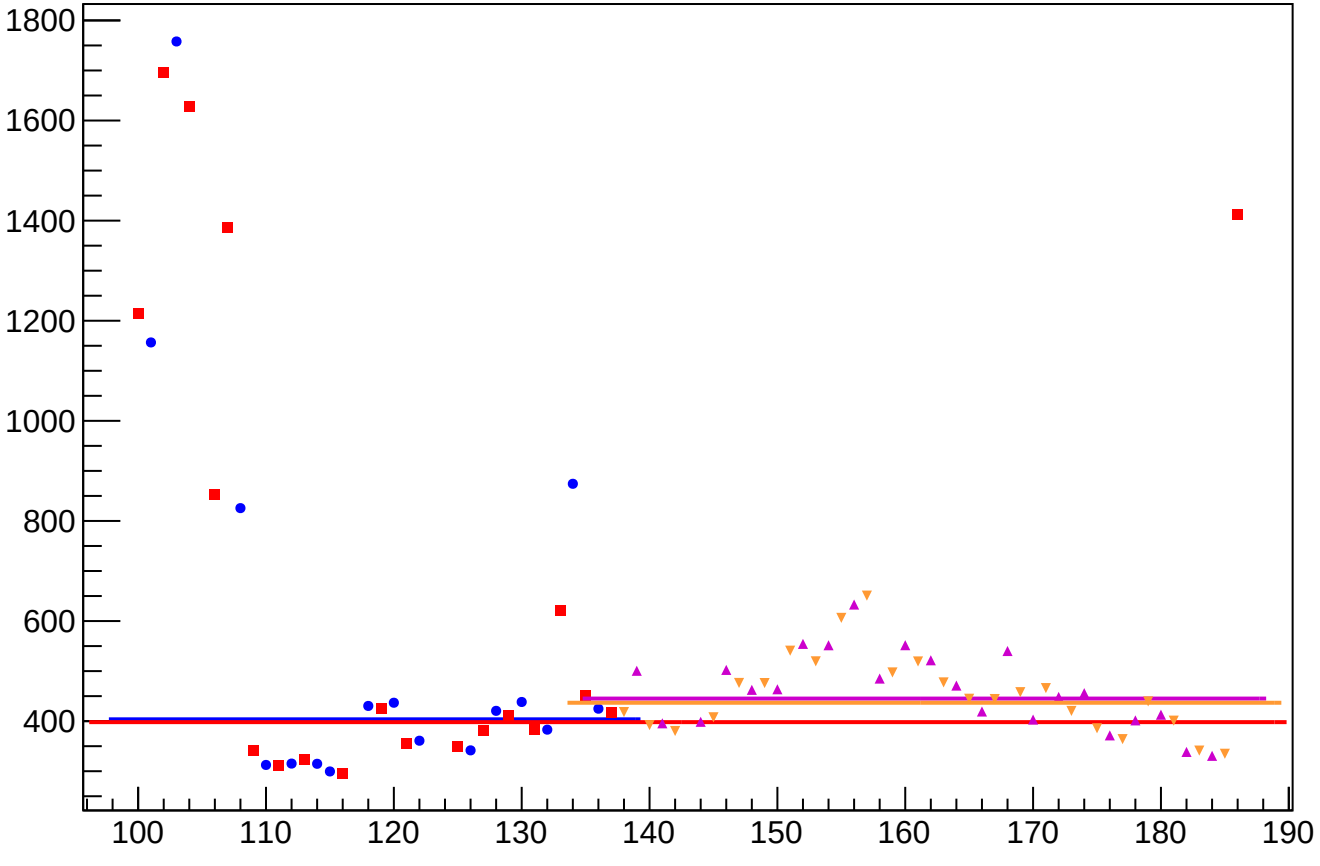
In: 1105.183+/-0.156 χ^2/NDF:665700.8/38

Out: 1110.109+/-0.154 χ^2/NDF:288756.7/42

All: 1107.667+/-0.110 χ^2/NDF: 954962.9/81


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: 15.291+/-161.845 χ²/NDF: 19.6/15
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: 142.199+/-113.211 χ²/NDF: 37.5/34
In: -14.219+/-88.334 χ²/NDF:47.5/38
Out: -134.793+/-86.341 χ²/NDF:75.2/42
All: -75.882+/-61.745 χ²/NDF: 123.7/81

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 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

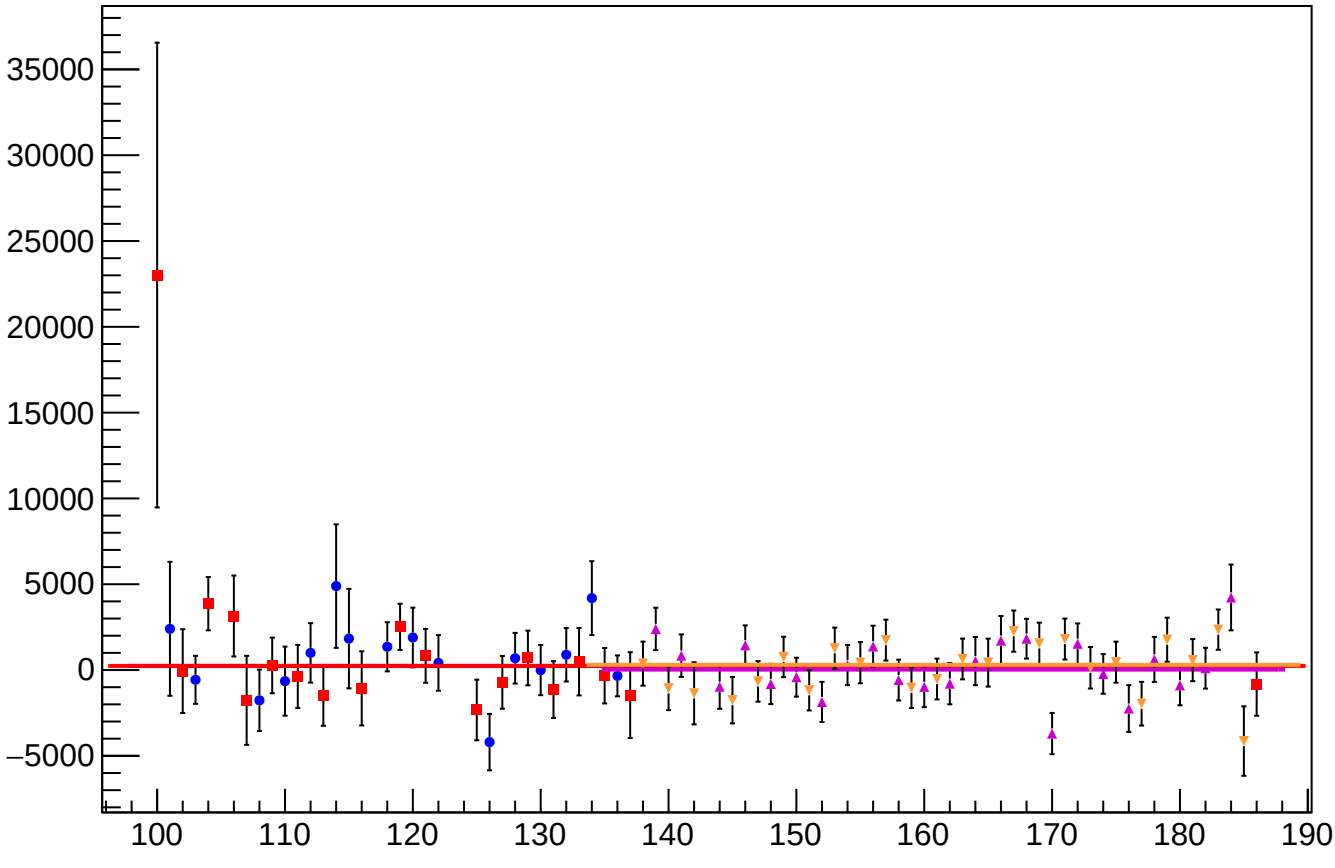
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 400.793+/-0.080 χ^2/NDF: 4556618.1/34

In: 432.760+/-0.062 χ^2/NDF:2896251.2/38

Out: 425.280+/-0.061 χ^2/NDF:3565064.2/42

All: 428.935+/-0.044 χ^2/NDF: 6468649.3/81



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

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

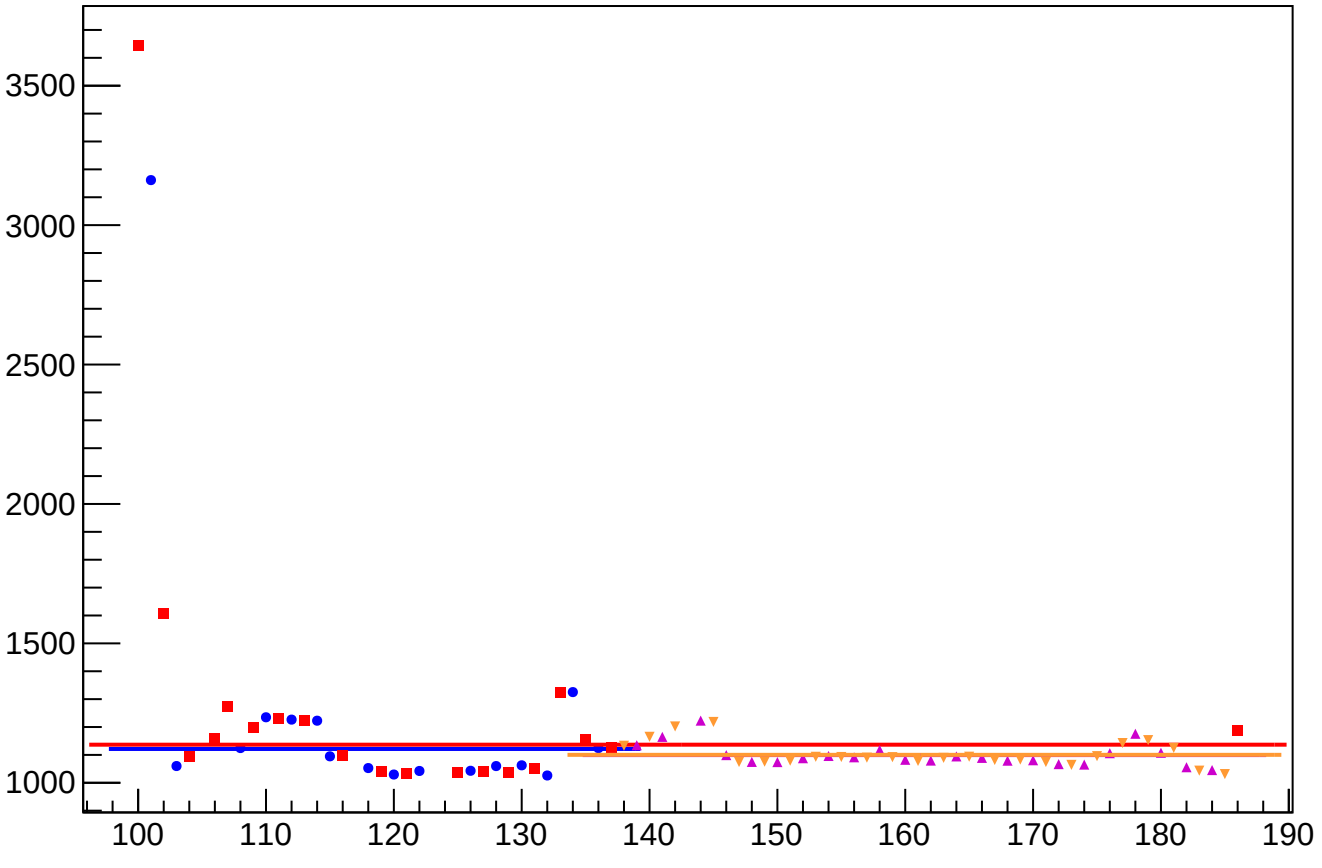
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 240.992+/-299.100 χ^2/NDF: 36.0/34

In: 82.665+/-220.053 χ^2/NDF:53.0/38

Out: 286.551+/-218.245 χ^2/NDF:47.5/42

All: 185.449+/-154.958 χ^2/NDF: 101.0/81



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

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

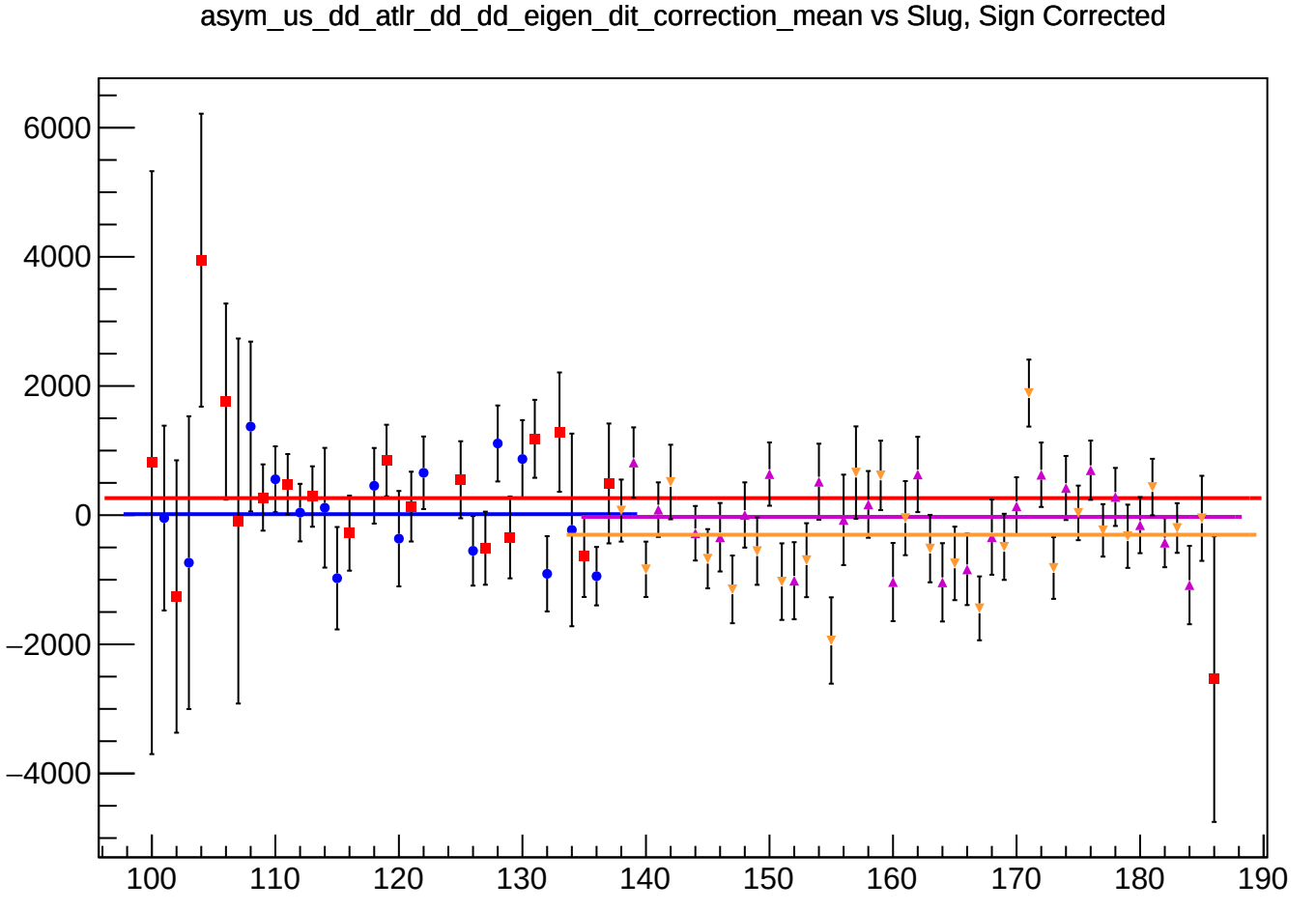
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1129.102+/-0.211 χ^2/NDF: 847349.2/34

In: 1105.183+/-0.156 χ^2/NDF:665700.9/38

Out: 1110.110+/-0.154 χ^2/NDF:288757.0/42

All: 1107.667+/-0.110 χ^2/NDF: 954963.3/81


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
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2000
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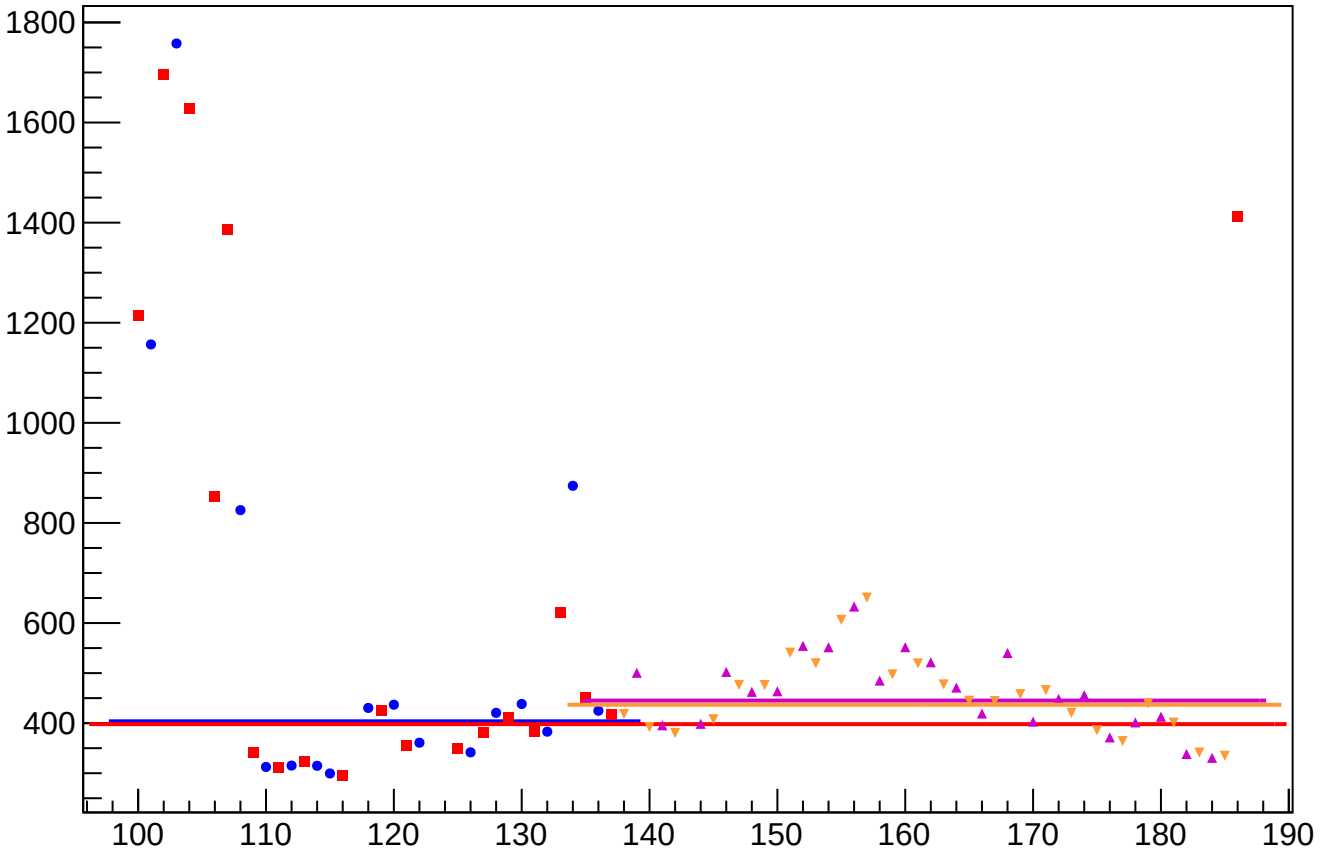
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 263.788+/-158.418 χ²/NDF: 16.7/18
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 142.196+/-113.210 χ²/NDF: 37.5/34
In: -14.220+/-88.334 χ²/NDF:47.5/38
Out: -134.793+/-86.341 χ²/NDF:75.2/42
All: -75.882+/-61.745 χ²/NDF: 123.7/81



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

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

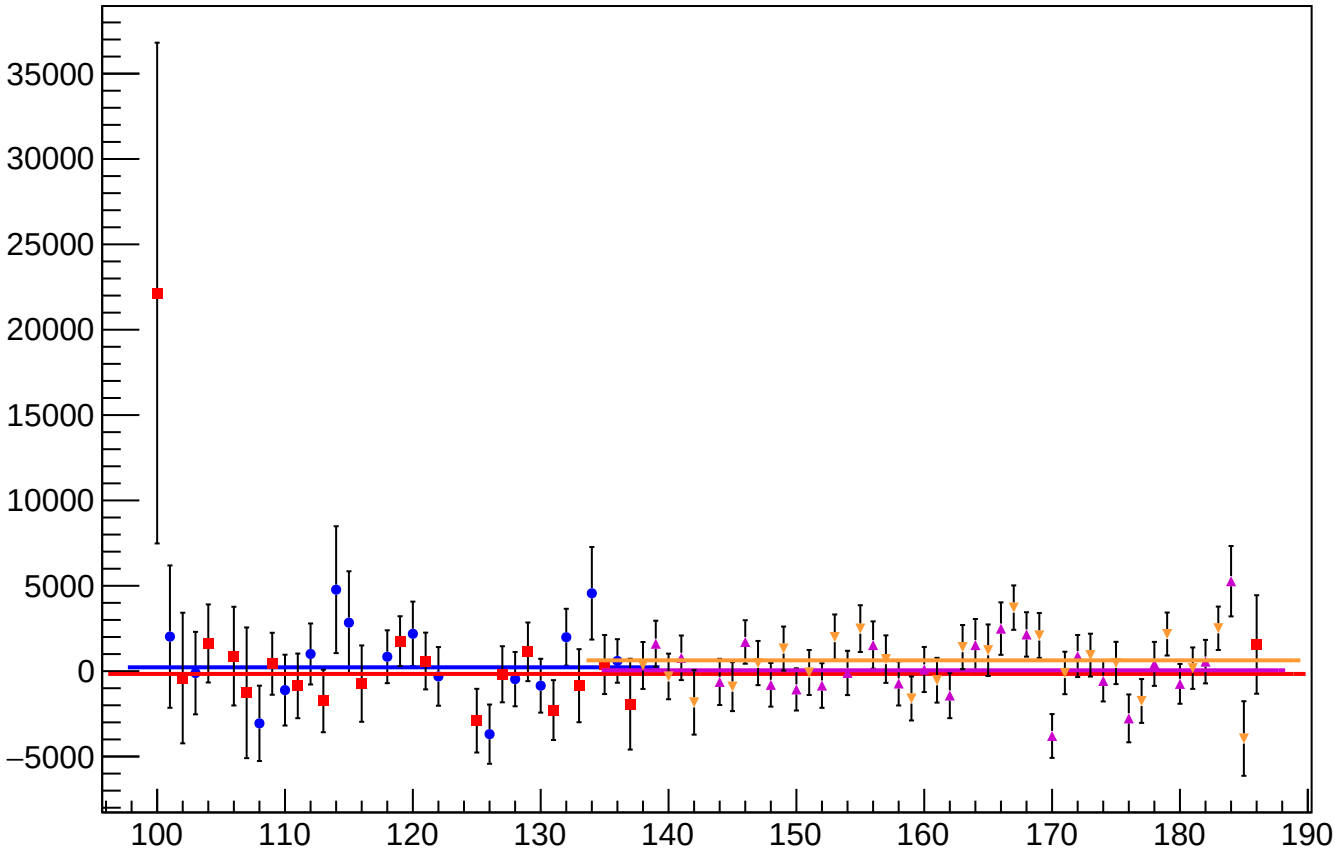
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 400.790+/-0.080 χ^2/NDF: 4556623.1/34

In: 432.759+/-0.062 χ^2/NDF:2896294.4/38

Out: 425.279+/-0.061 χ^2/NDF:3565115.8/42

All: 428.934+/-0.044 χ^2/NDF: 6468744.3/81



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

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

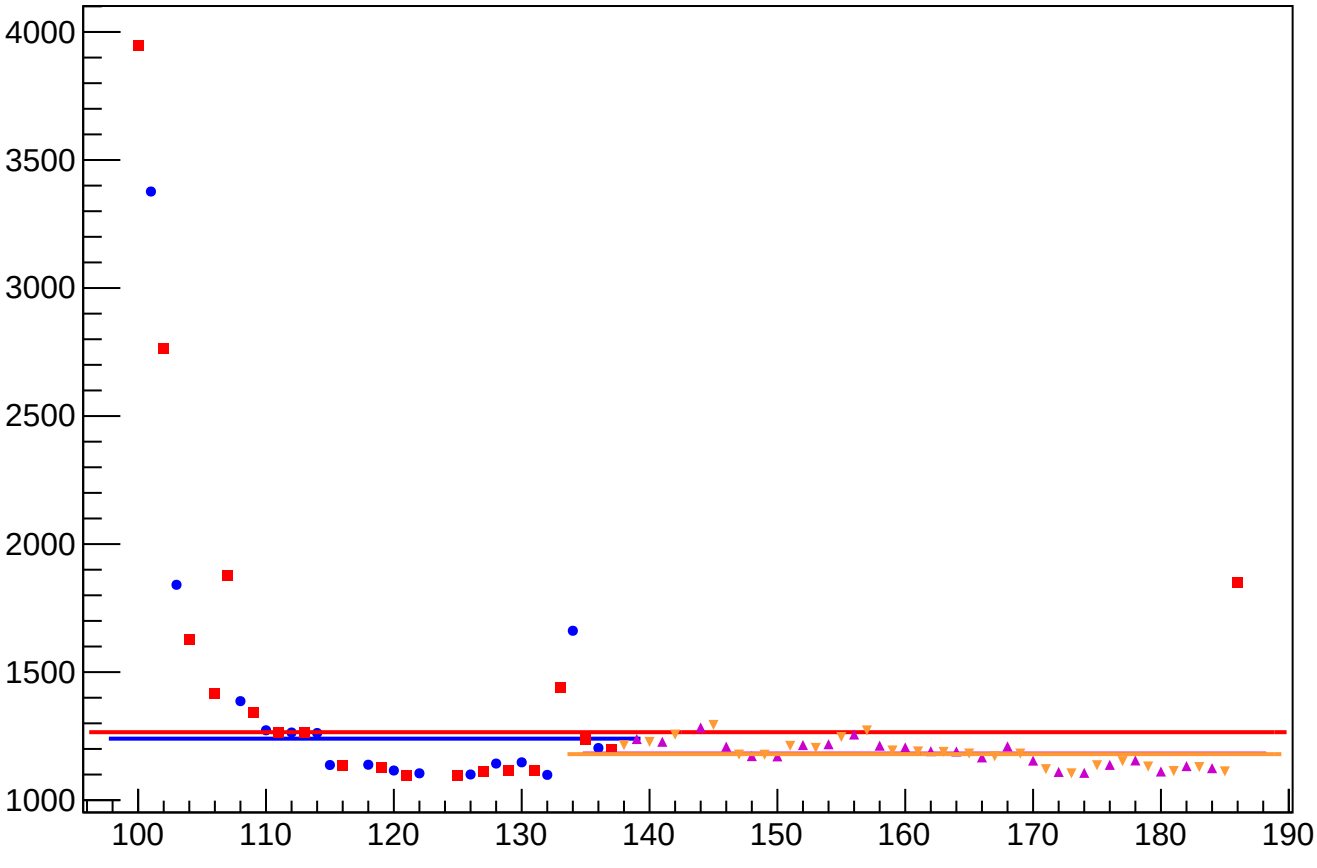
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 29.908+/-334.440 χ^2/NDF: 27.8/34

In: 94.861+/-238.721 χ^2/NDF:51.2/38

Out: 431.972+/-236.929 χ^2/NDF:43.6/42

All: 264.686+/-168.164 χ^2/NDF: 95.8/81



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

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

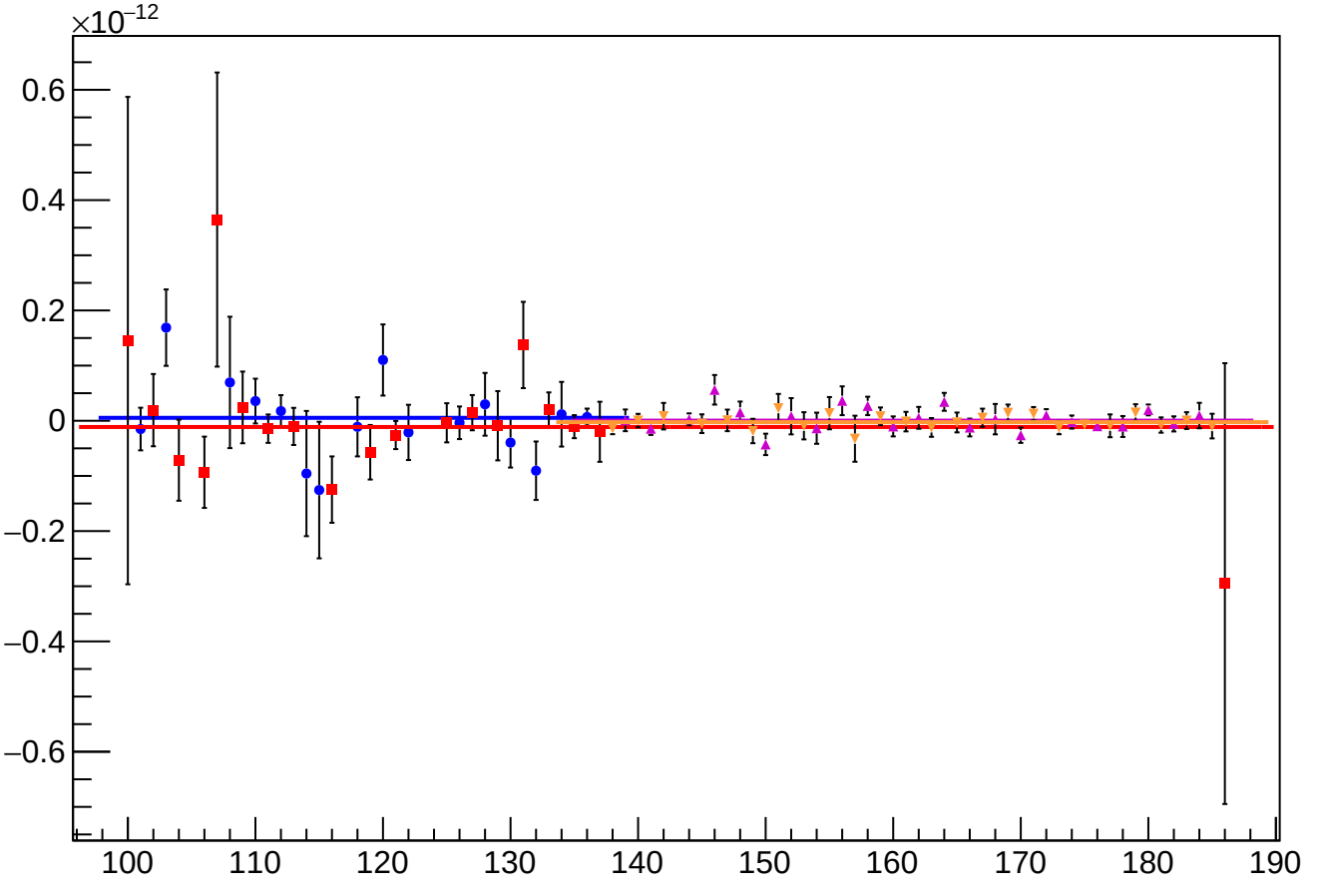
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1252.876+/-0.236 χ^2/NDF: 1475972.4/34

In: 1196.659+/-0.169 χ^2/NDF:865513.3/38

Out: 1201.370+/-0.168 χ^2/NDF:804537.6/42

All: 1199.032+/-0.119 χ^2/NDF: 1670443.4/81



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

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

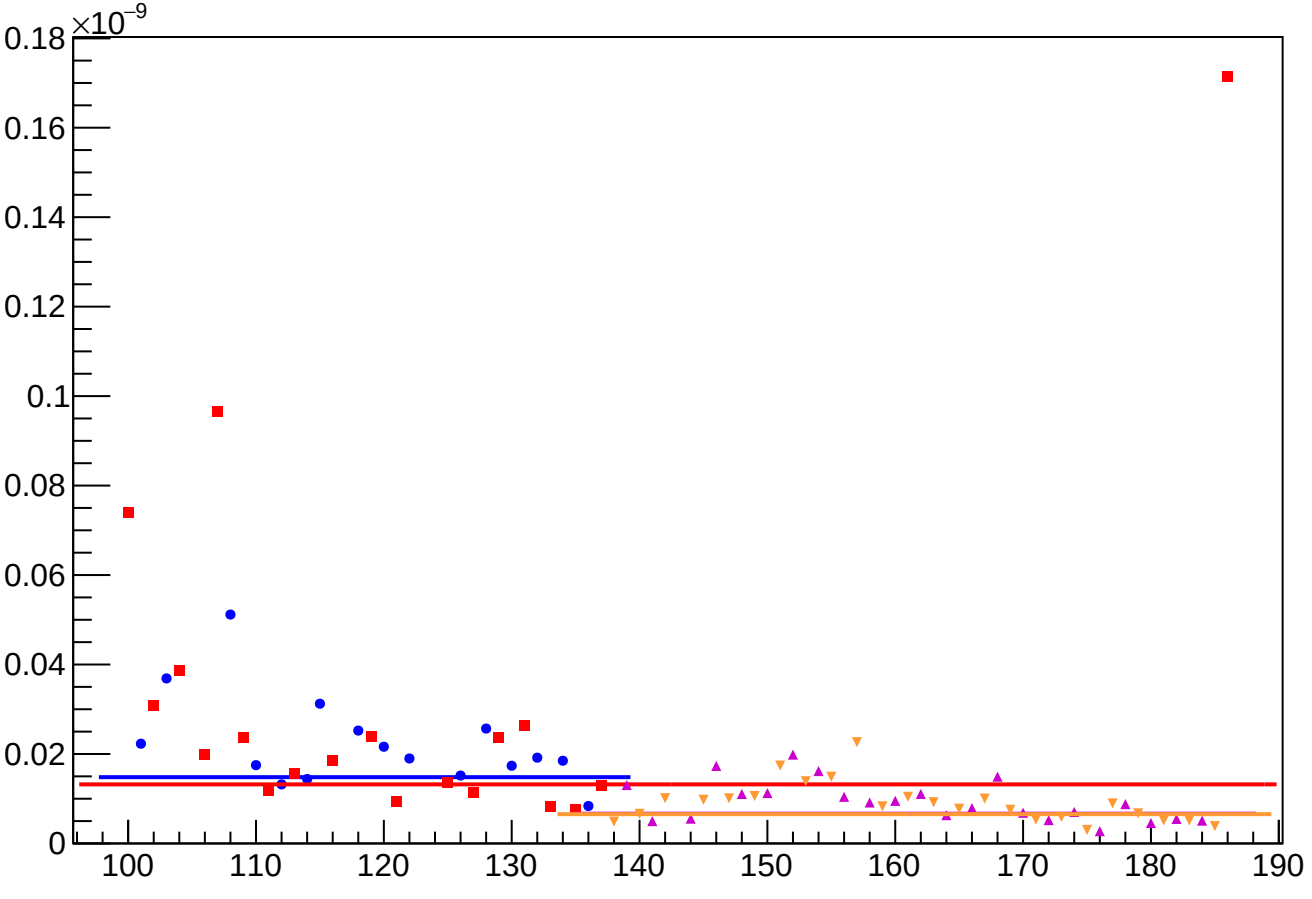
Right: -0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:49.1/38

Out: -0.000+/-0.000 χ^2/NDF:26.8/42

All: -0.000+/-0.000 χ^2/NDF: 76.9/81

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

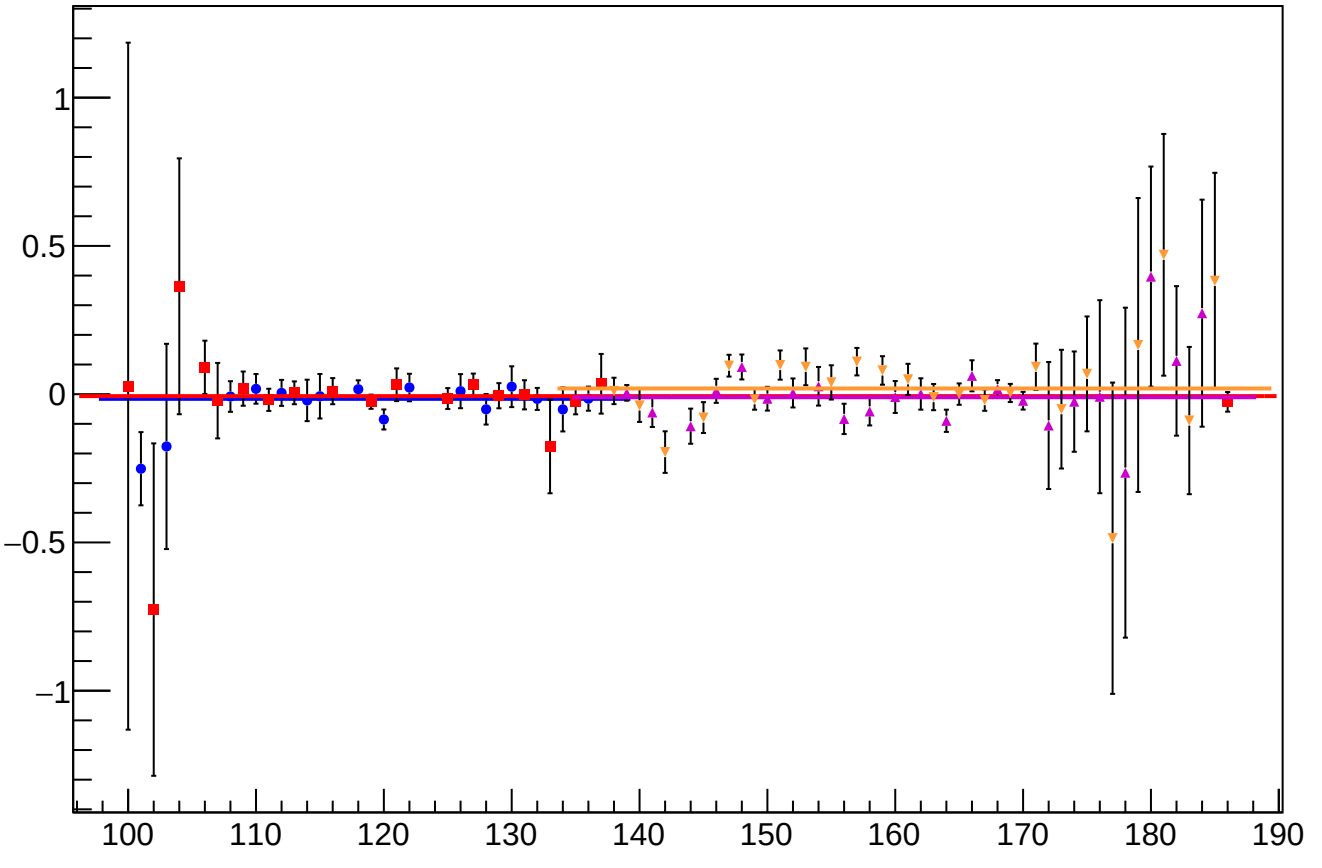
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 2606262.2/34

In: 0.000+/-0.000 χ^2/NDF:4924946.9/38

Out: 0.000+/-0.000 χ^2/NDF:4744390.4/42

All: 0.000+/-0.000 χ^2/NDF: 9675393.4/81



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

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

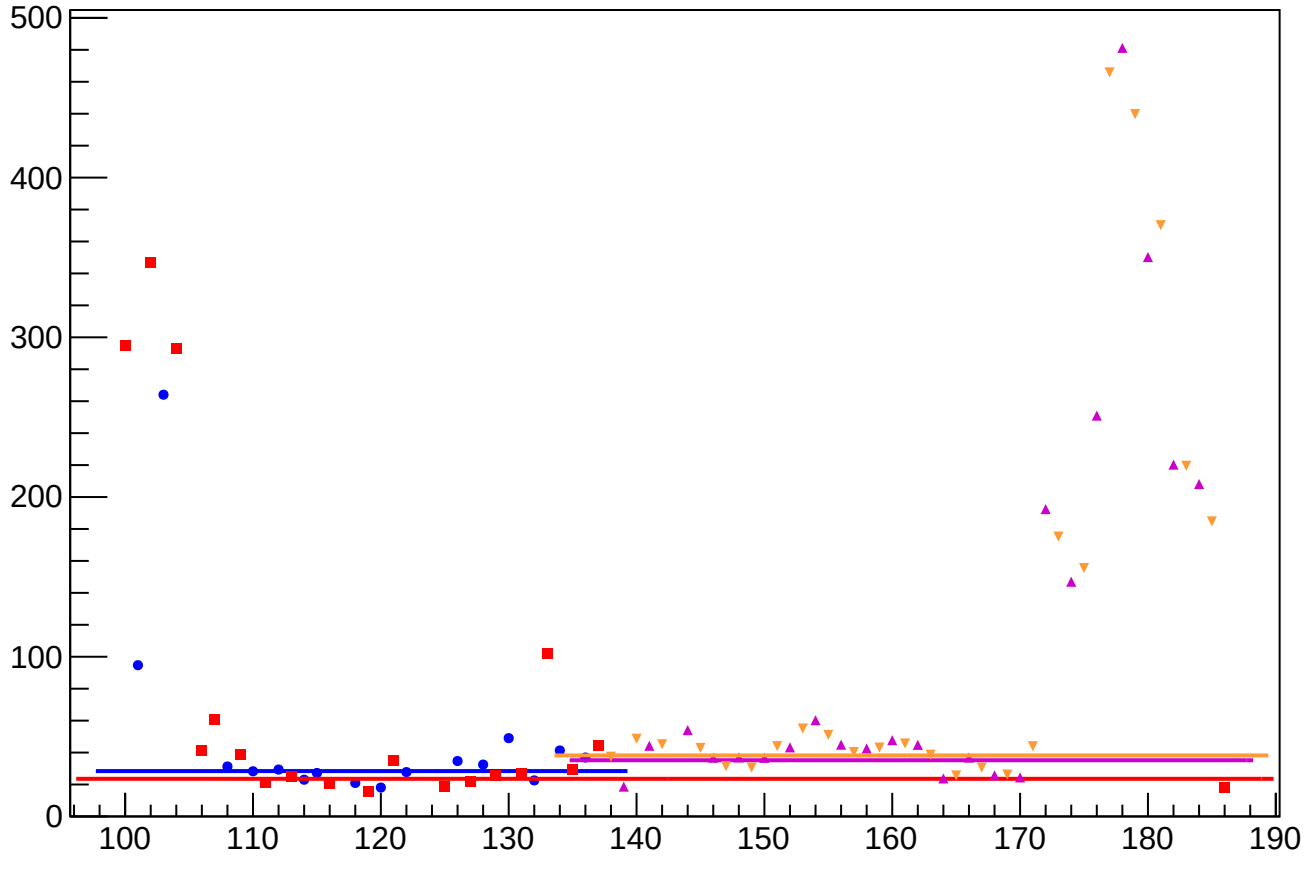
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.011+/-0.008 χ^2/NDF: 20.5/34

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/81



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

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

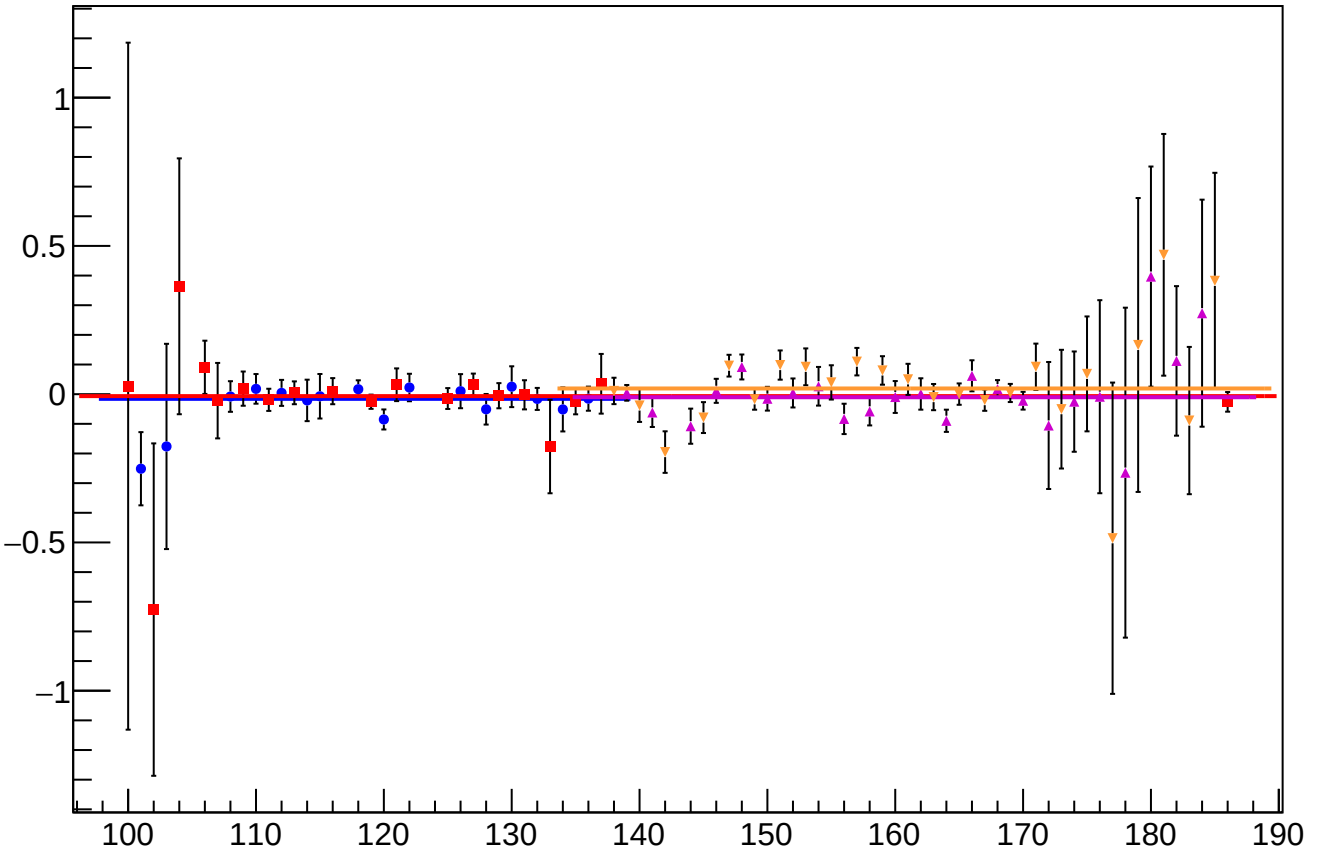
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 25.679+/-0.006 χ^2/NDF: 5400856.6/34

In: 32.413+/-0.006 χ^2/NDF:11995019.1/38

Out: 30.893+/-0.005 χ^2/NDF:13100020.6/42

All: 31.630+/-0.004 χ^2/NDF: 25133331.6/81



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

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

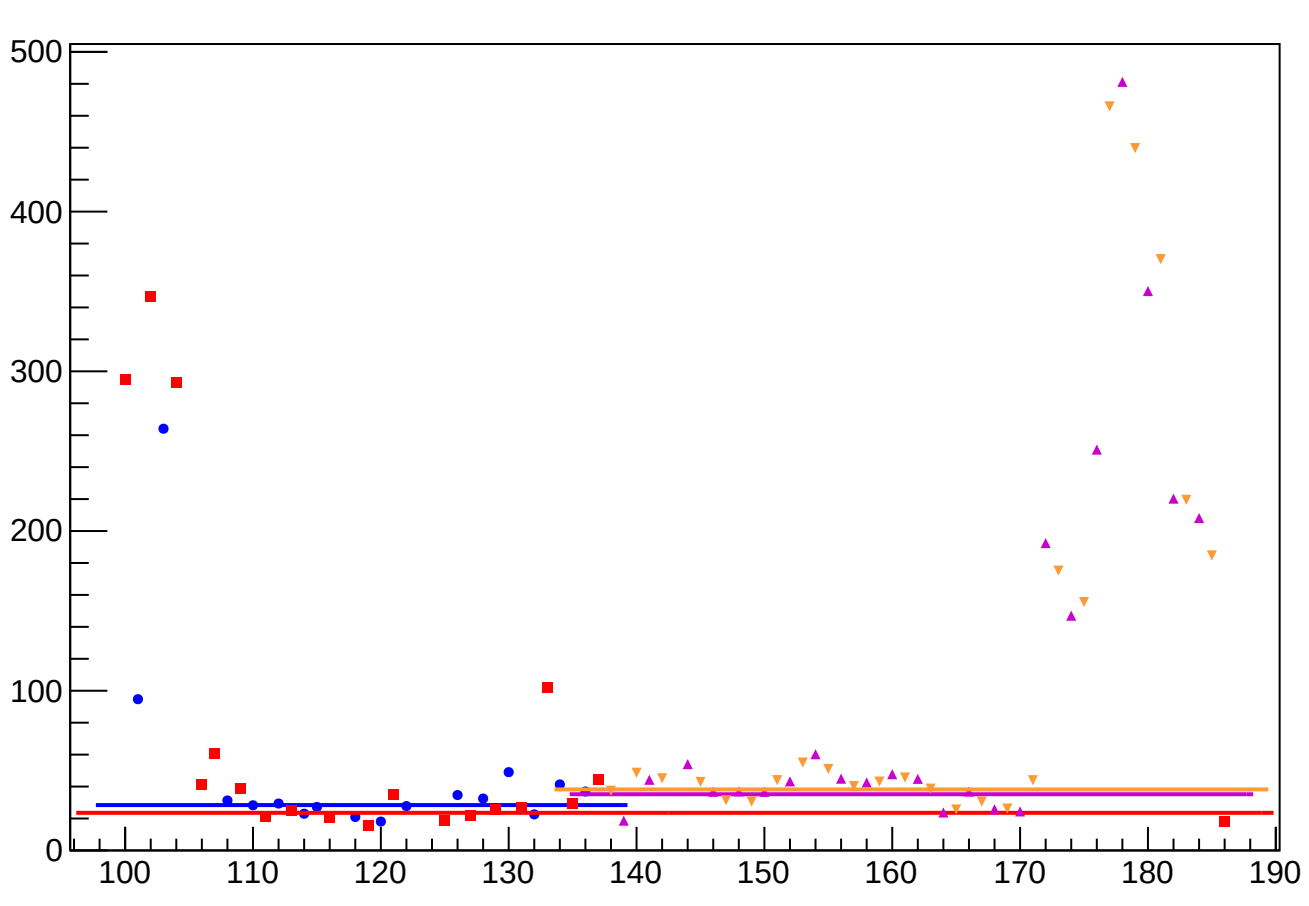
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.011+/-0.008 χ^2/NDF: 20.5/34

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/81



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

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

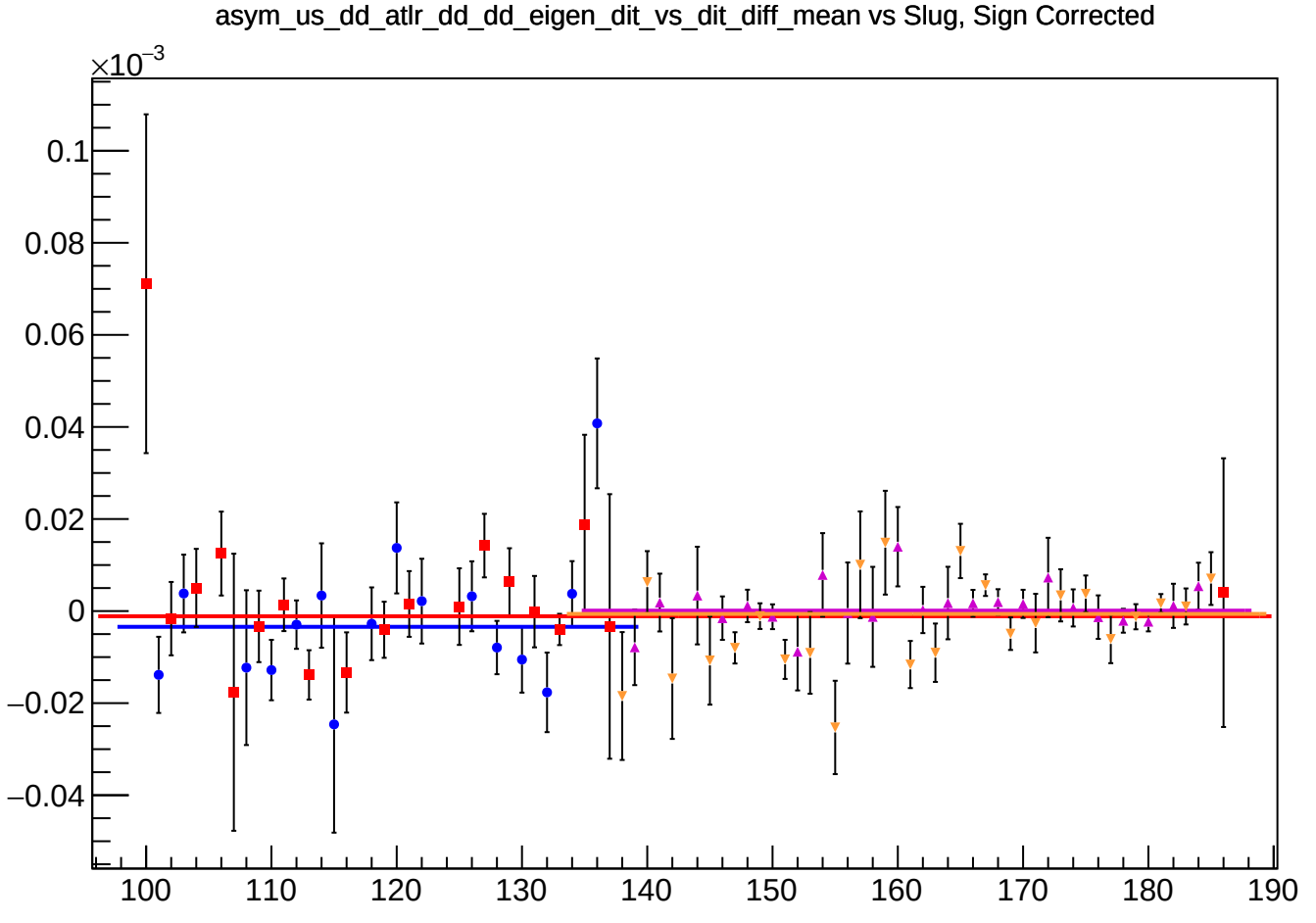
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 25.679+/-0.006 χ^2/NDF: 5400856.6/34

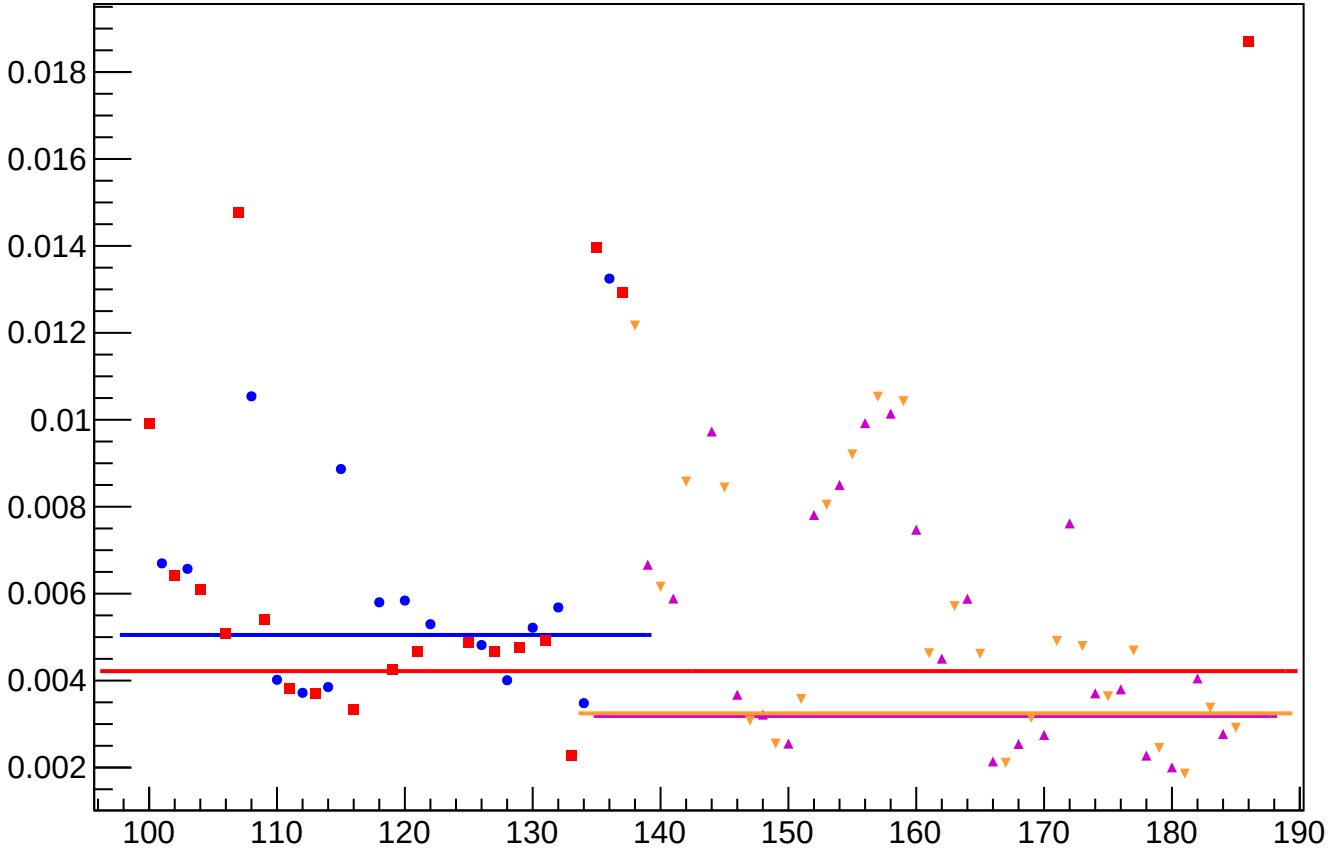
In: 32.413+/-0.006 χ^2/NDF:11995019.1/38

Out: 30.893+/-0.005 χ^2/NDF:13100020.6/42

All: 31.630+/-0.004 χ^2/NDF: 25133331.6/81


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:51.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/18
Left In: 0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 62.5/46
Right: -0.000+/-0.000 χ²/NDF: 48.9/34
In: -0.000+/-0.000 χ²/NDF:38.7/38
Out: -0.000+/-0.000 χ²/NDF:74.3/42
All: -0.000+/-0.000 χ²/NDF: 113.0/81

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: 1494215.1/15

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

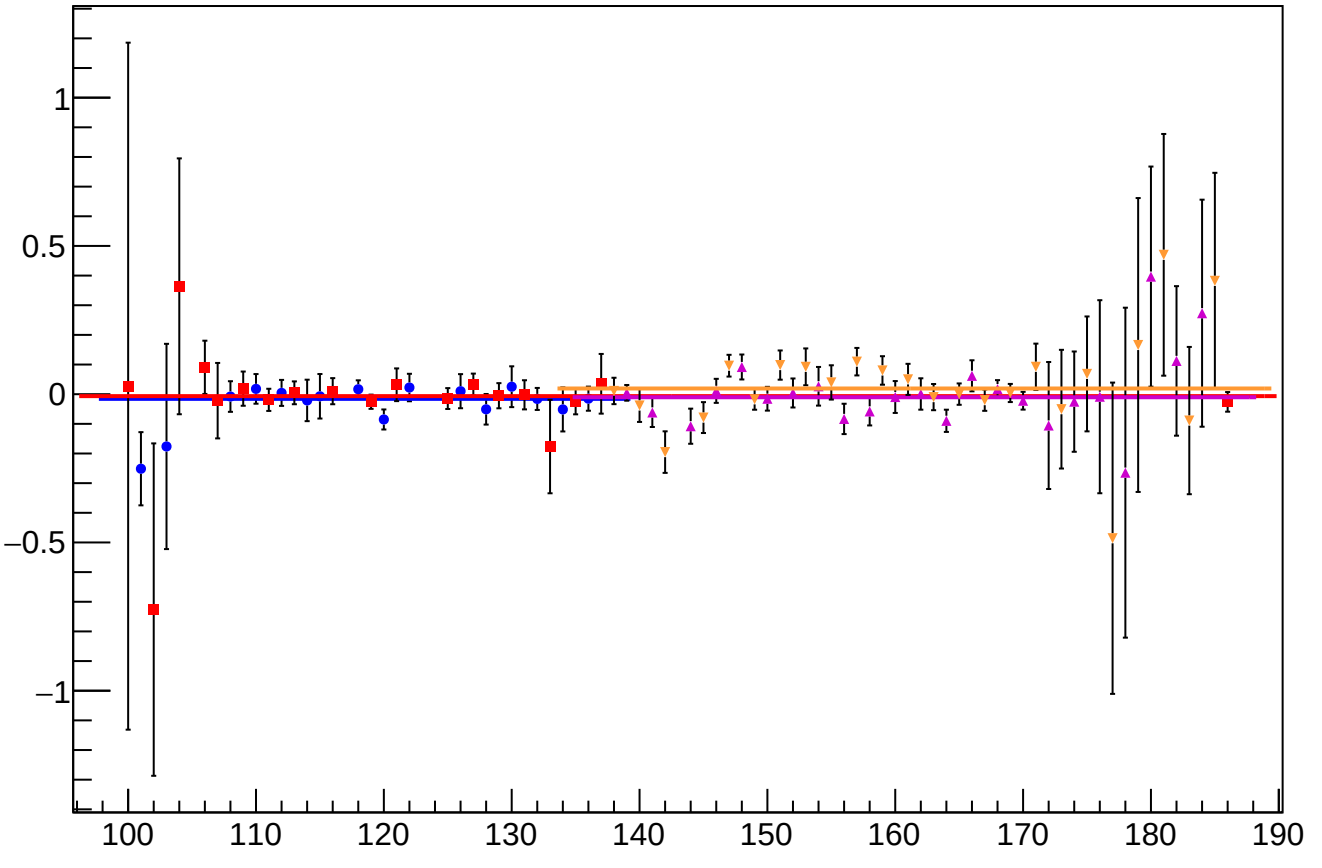
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.005+/-0.000 χ^2/NDF: 4229014.1/34

In: 0.003+/-0.000 χ^2/NDF:10230195.2/38

Out: 0.003+/-0.000 χ^2/NDF:10793345.1/42

All: 0.003+/-0.000 χ^2/NDF: 21024550.4/81



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

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

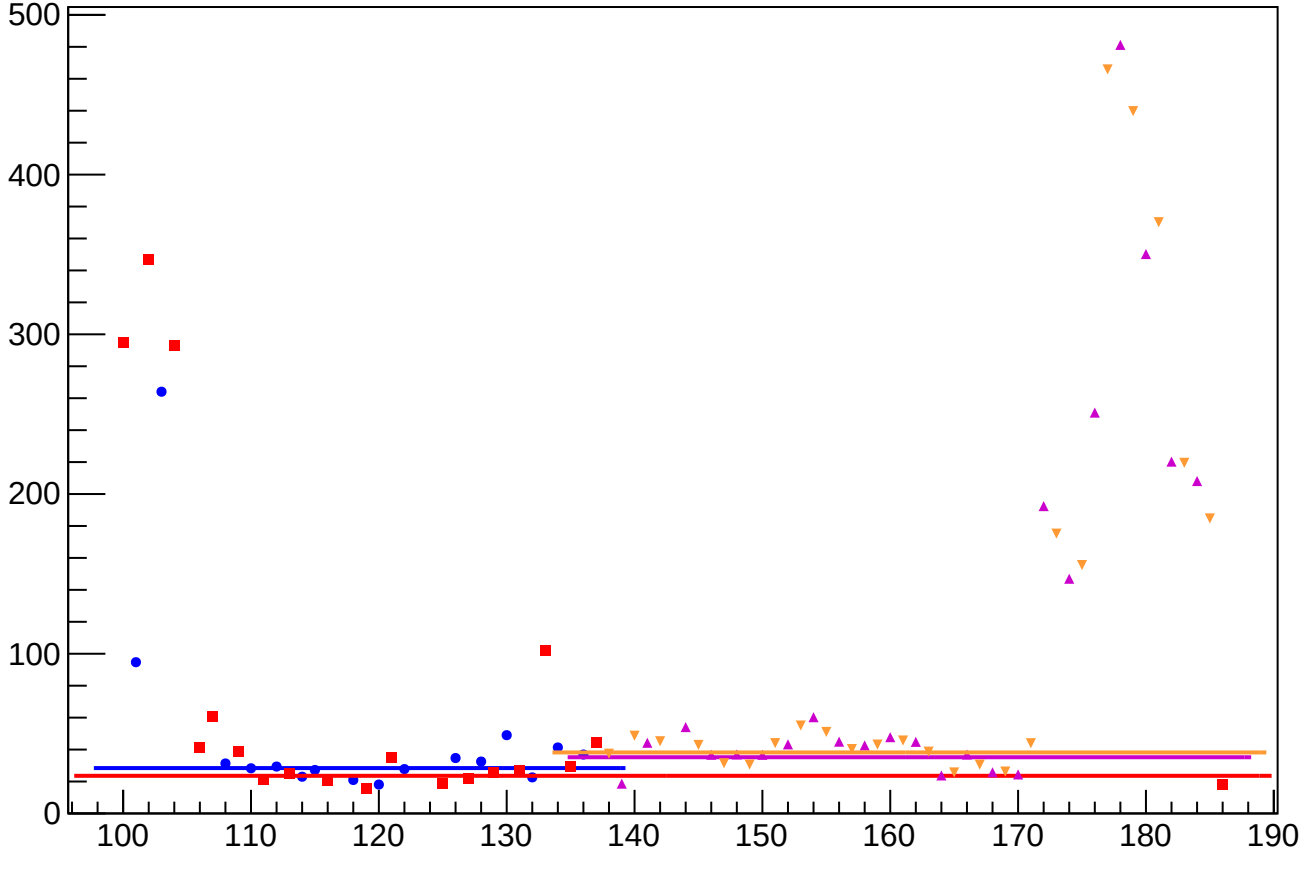
Right: -0.011+/-0.008 χ^2/NDF: 20.5/34

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/81

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 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

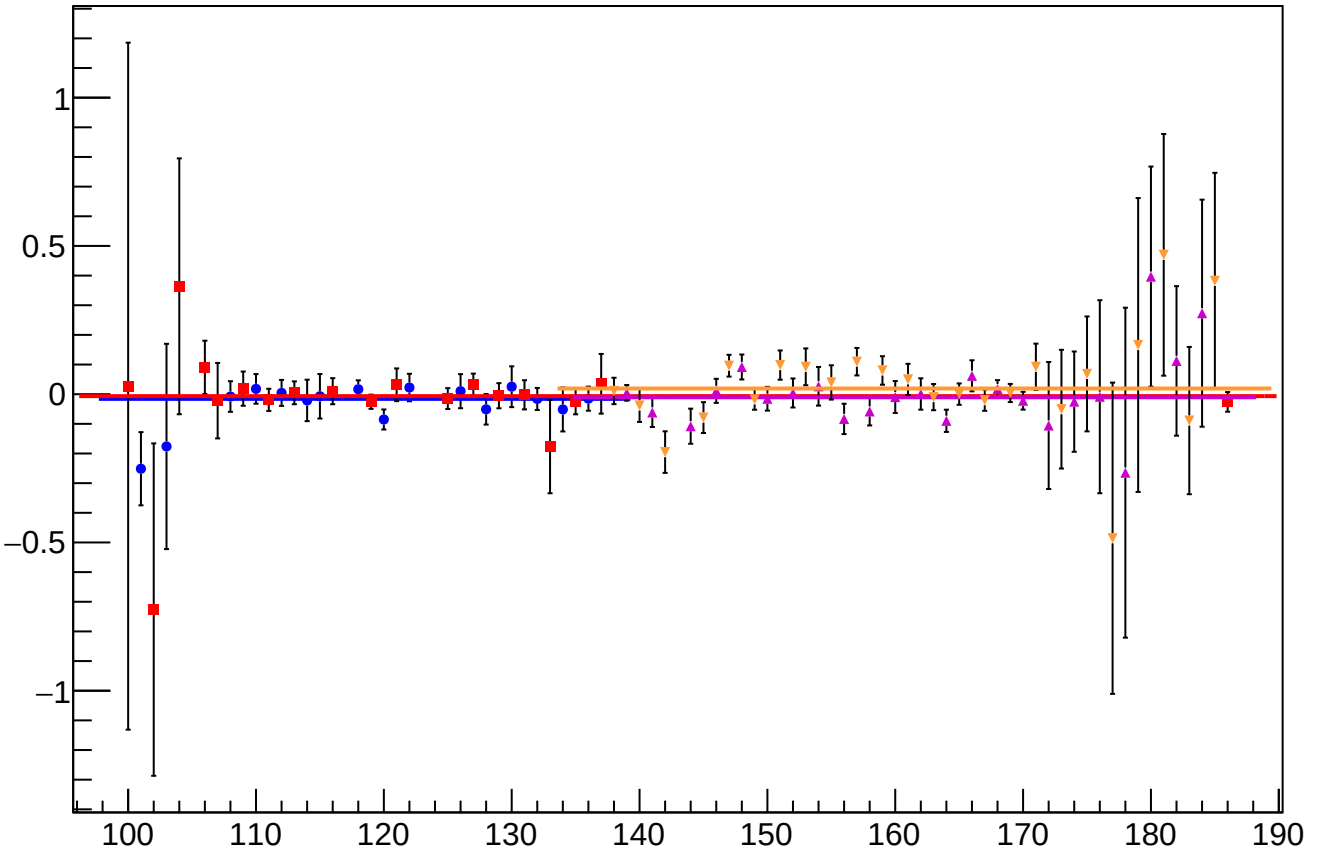
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 25.678+/-0.006 χ^2/NDF: 5401318.2/34

In: 32.412+/-0.006 χ^2/NDF:11995444.8/38

Out: 30.892+/-0.005 χ^2/NDF:13100983.5/42

All: 31.629+/-0.004 χ^2/NDF: 25134787.3/81



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

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

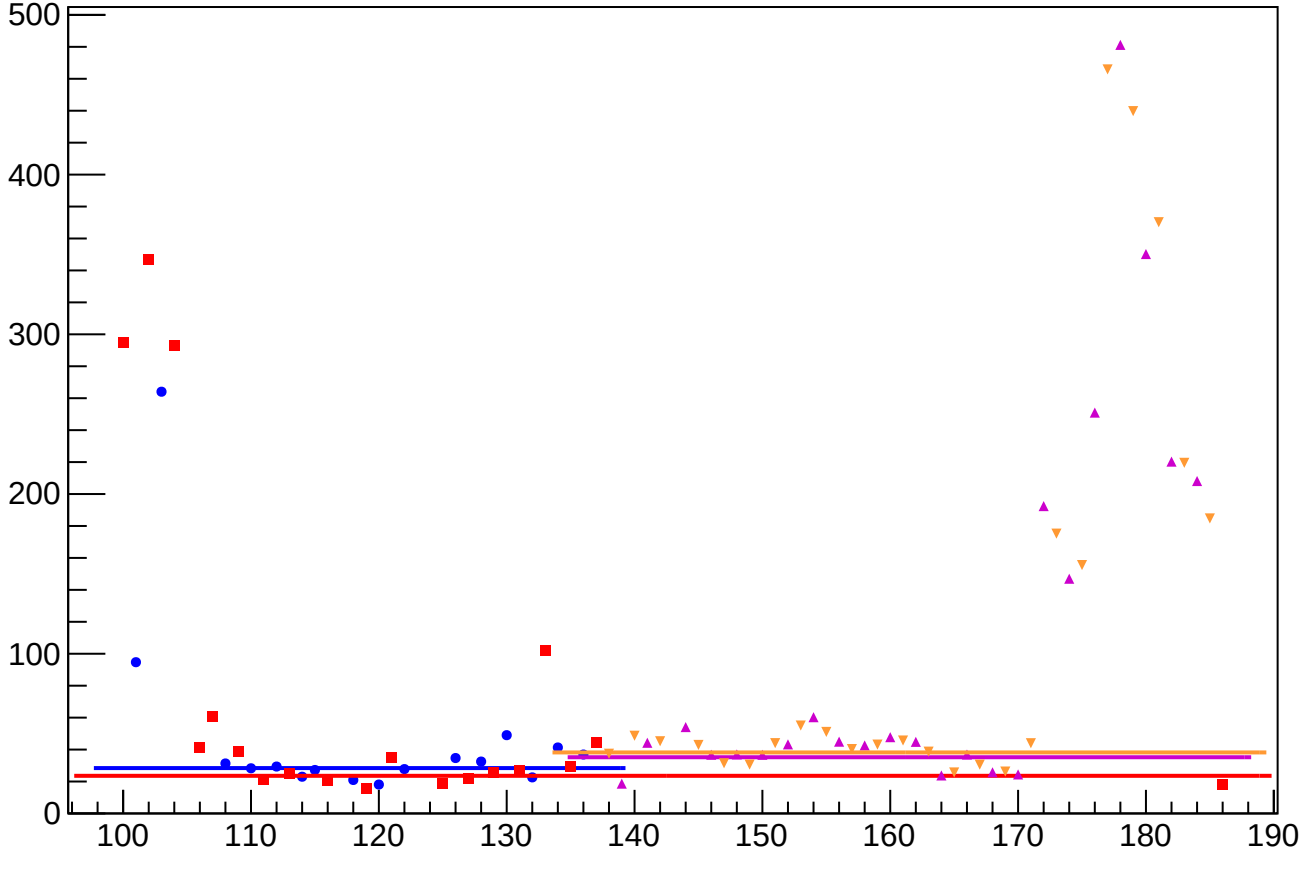
Right: -0.011+/-0.008 χ^2/NDF: 20.5/34

In: -0.013+/-0.008 χ^2/NDF:35.6/38

Out: 0.006+/-0.008 χ^2/NDF:47.0/42

All: -0.003+/-0.005 χ^2/NDF: 85.6/81

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 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

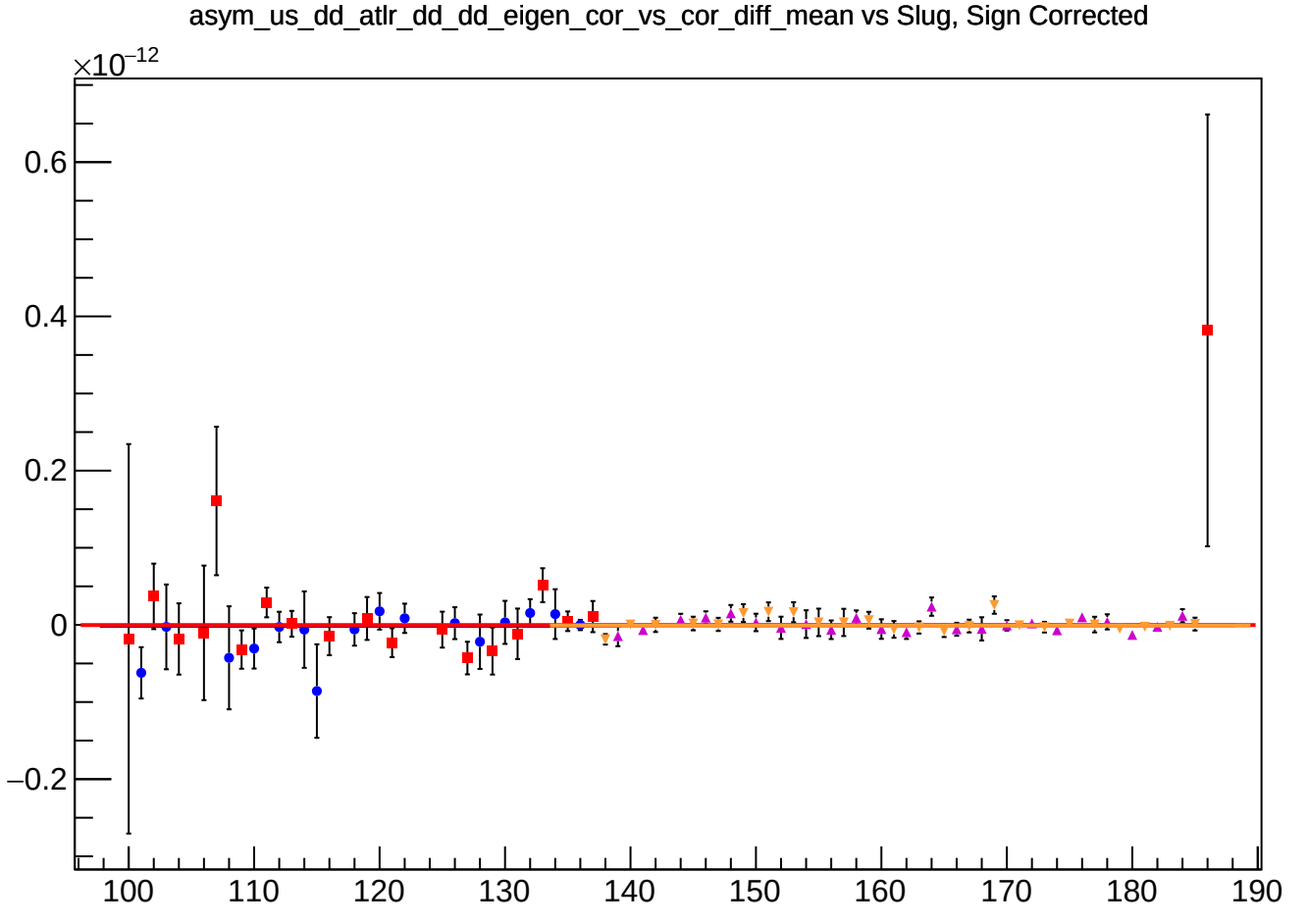
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 25.678+/-0.006 χ^2/NDF: 5401318.2/34

In: 32.412+/-0.006 χ^2/NDF:11995444.8/38

Out: 30.892+/-0.005 χ^2/NDF:13100983.5/42

All: 31.629+/-0.004 χ^2/NDF: 25134787.3/81



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

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

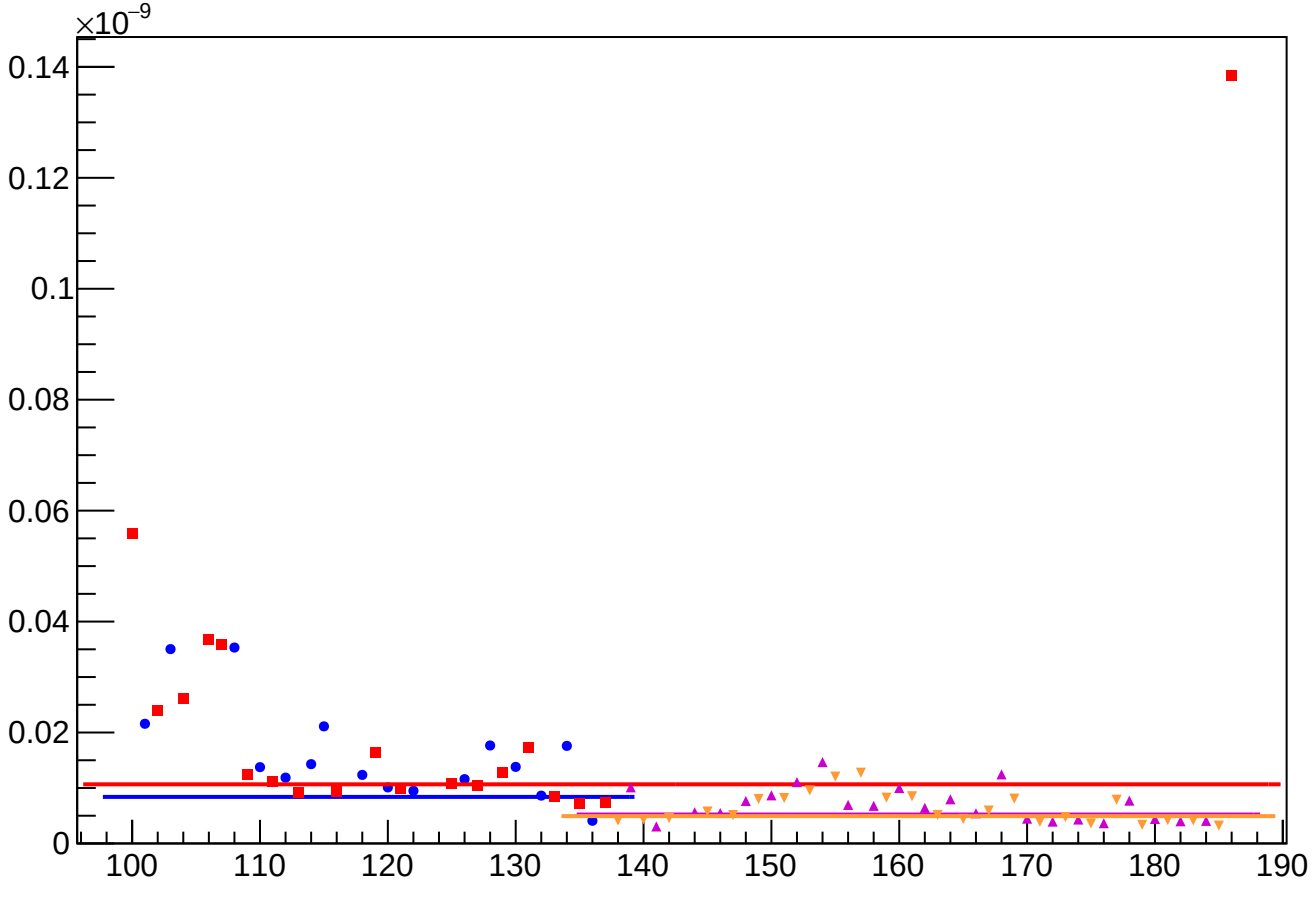
Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:35.7/38

Out: -0.000+/-0.000 χ^2/NDF:44.0/42

All: -0.000+/-0.000 χ^2/NDF: 79.8/81

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: 2710106.3/15

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

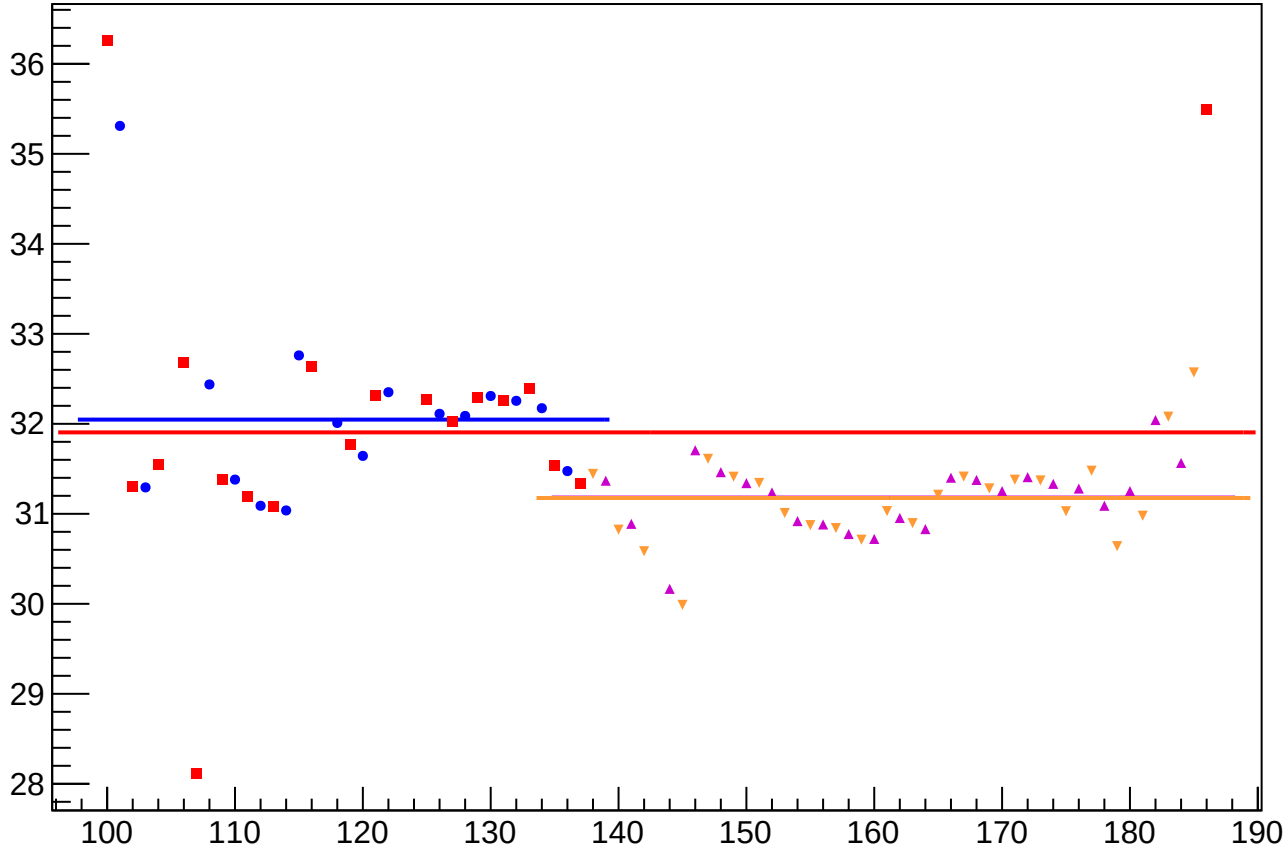
Right: 0.000+/-0.000 χ^2/NDF: 4550098.2/34

In: 0.000+/-0.000 χ^2/NDF:6950203.0/38

Out: 0.000+/-0.000 χ^2/NDF:6216123.2/42

All: 0.000+/-0.000 χ^2/NDF: 13184366.4/81

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

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

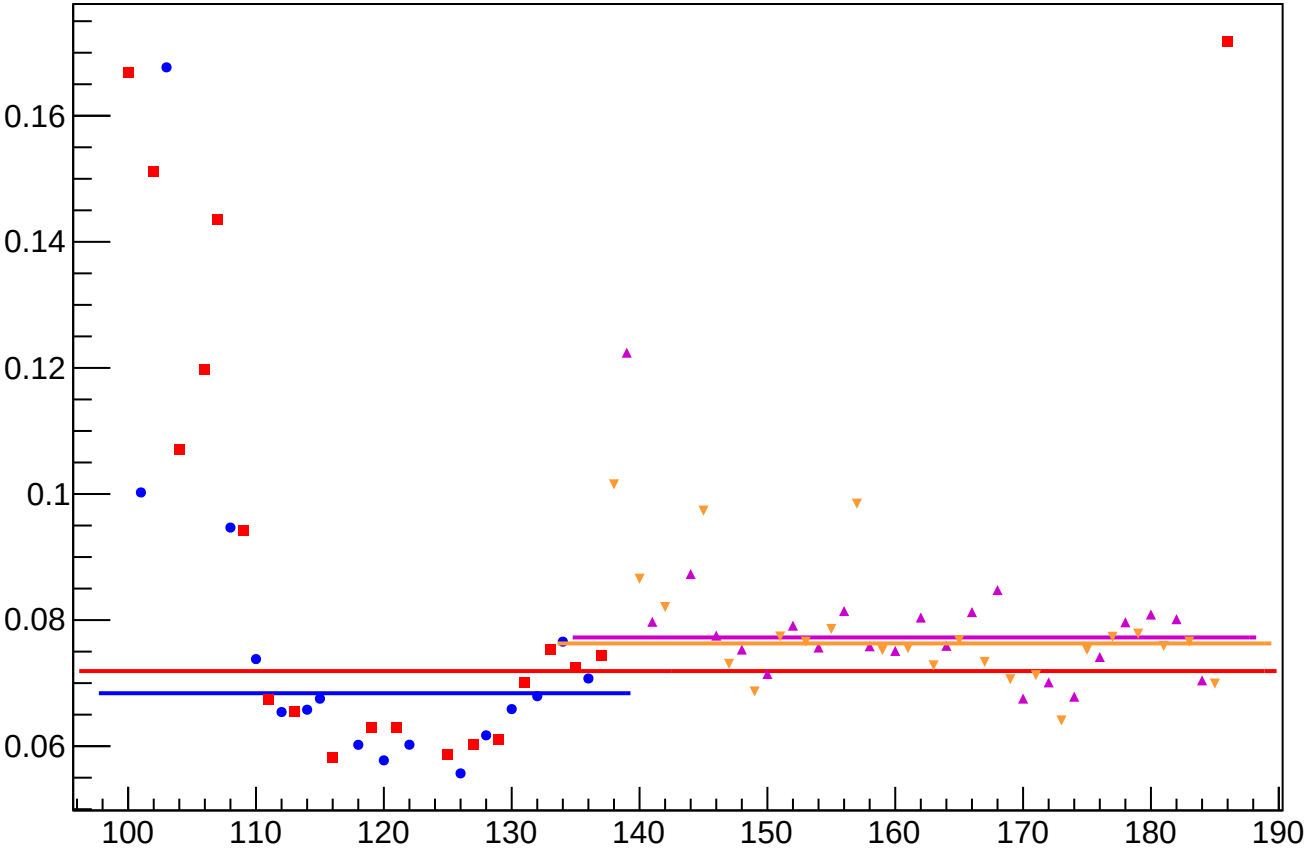
Right: 31.978+/-0.000 χ^2/NDF: 1573615570.9/34

In: 31.463+/-0.000 χ^2/NDF:1951627774.3/38

Out: 31.397+/-0.000 χ^2/NDF:1656302110.4/42

All: 31.430+/-0.000 χ^2/NDF: 3616808078.1/8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

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

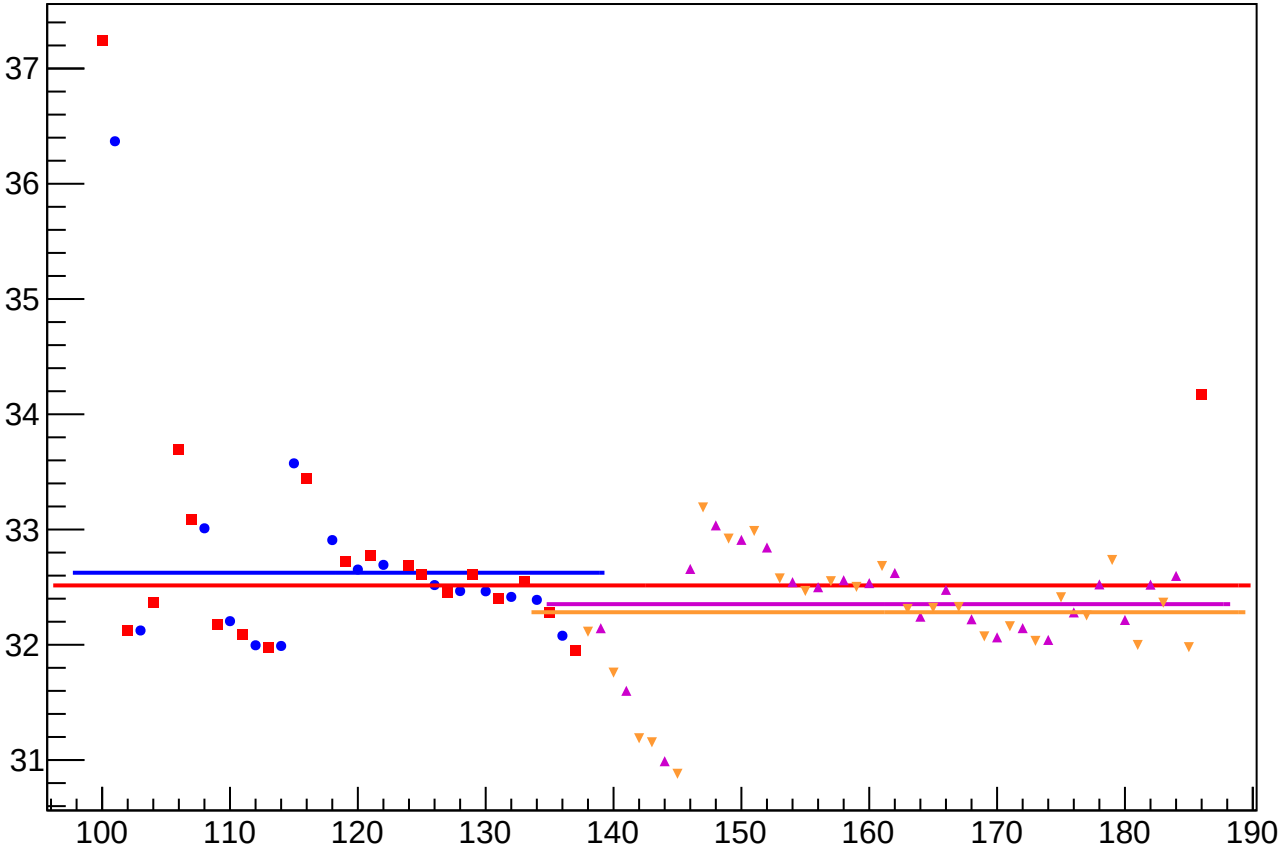
Right: 0.070+/-0.000 χ^2/NDF: 1859820.2/34

In: 0.074+/-0.000 χ^2/NDF:1209676.1/38

Out: 0.075+/-0.000 χ^2/NDF:1530894.7/42

All: 0.075+/-0.000 χ^2/NDF: 2742048.4/81

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

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

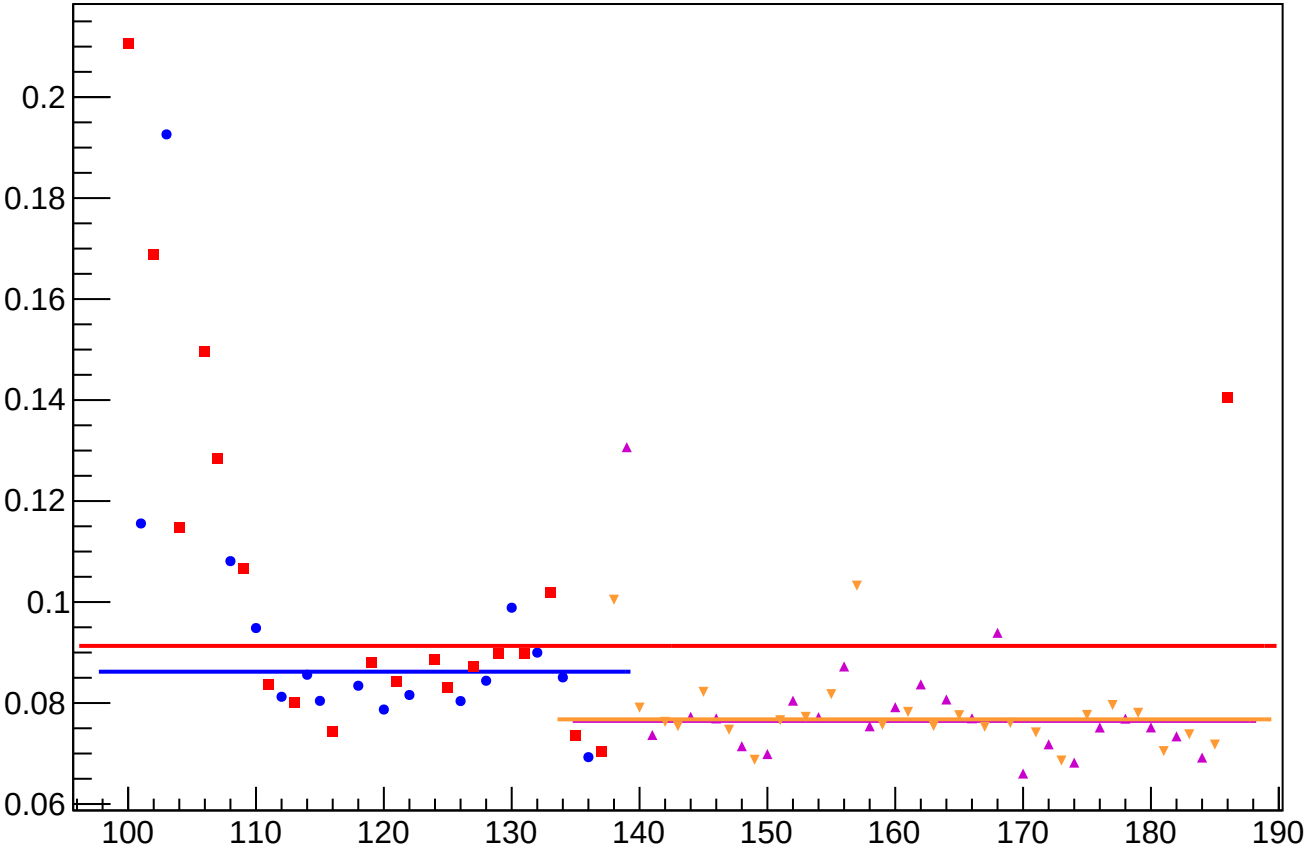
Right: 32.571+/-0.000 χ^2/NDF: 956625854.2/35

In: 32.414+/-0.000 χ^2/NDF:1377523691.3/38

Out: 32.332+/-0.000 χ^2/NDF:1086042574.7/44

All: 32.373+/-0.000 χ^2/NDF: 2476330762.9/8

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

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

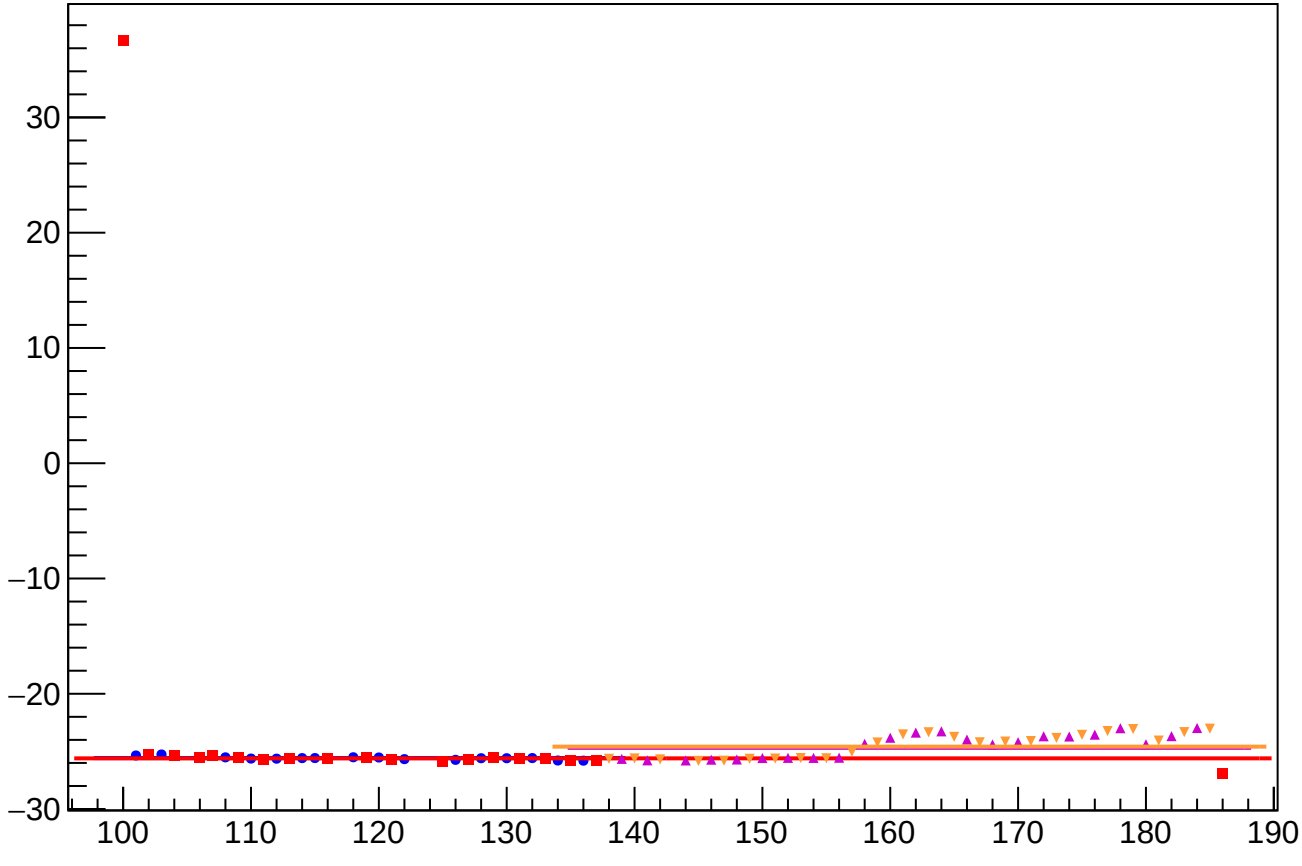
Right: 0.089+/-0.000 χ^2/NDF: 1340714.3/35

In: 0.079+/-0.000 χ^2/NDF:1205149.6/38

Out: 0.080+/-0.000 χ^2/NDF:1242083.2/44

All: 0.079+/-0.000 χ^2/NDF: 2452621.1/83

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

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

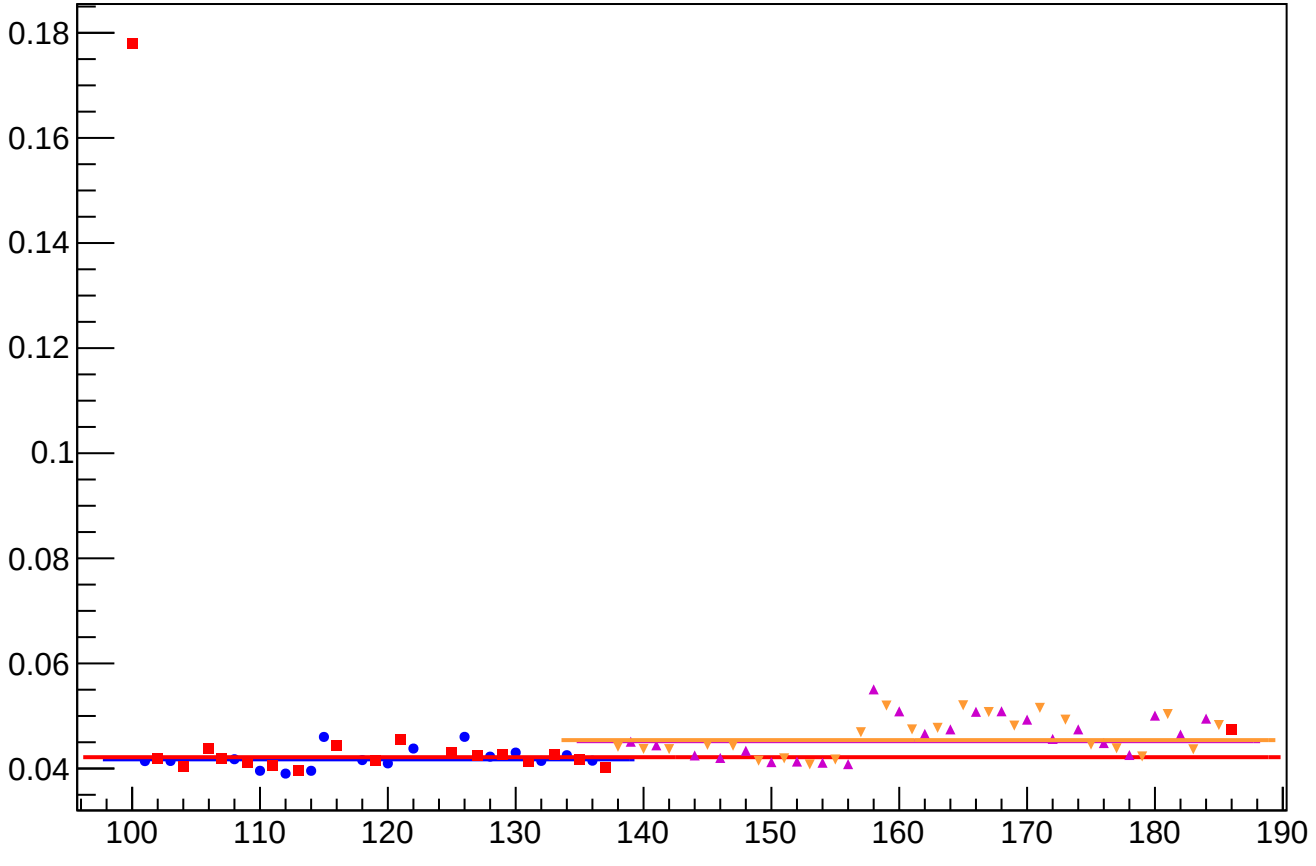
Right: -25.591+/-0.000 χ^2/NDF: 9347598508.6/34

In: -24.974+/-0.000 χ^2/NDF:11132166217.0/38

Out: -24.922+/-0.000 χ^2/NDF:21403771633.3/42

All: -24.948+/-0.000 χ^2/NDF: 32553391747.5

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

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

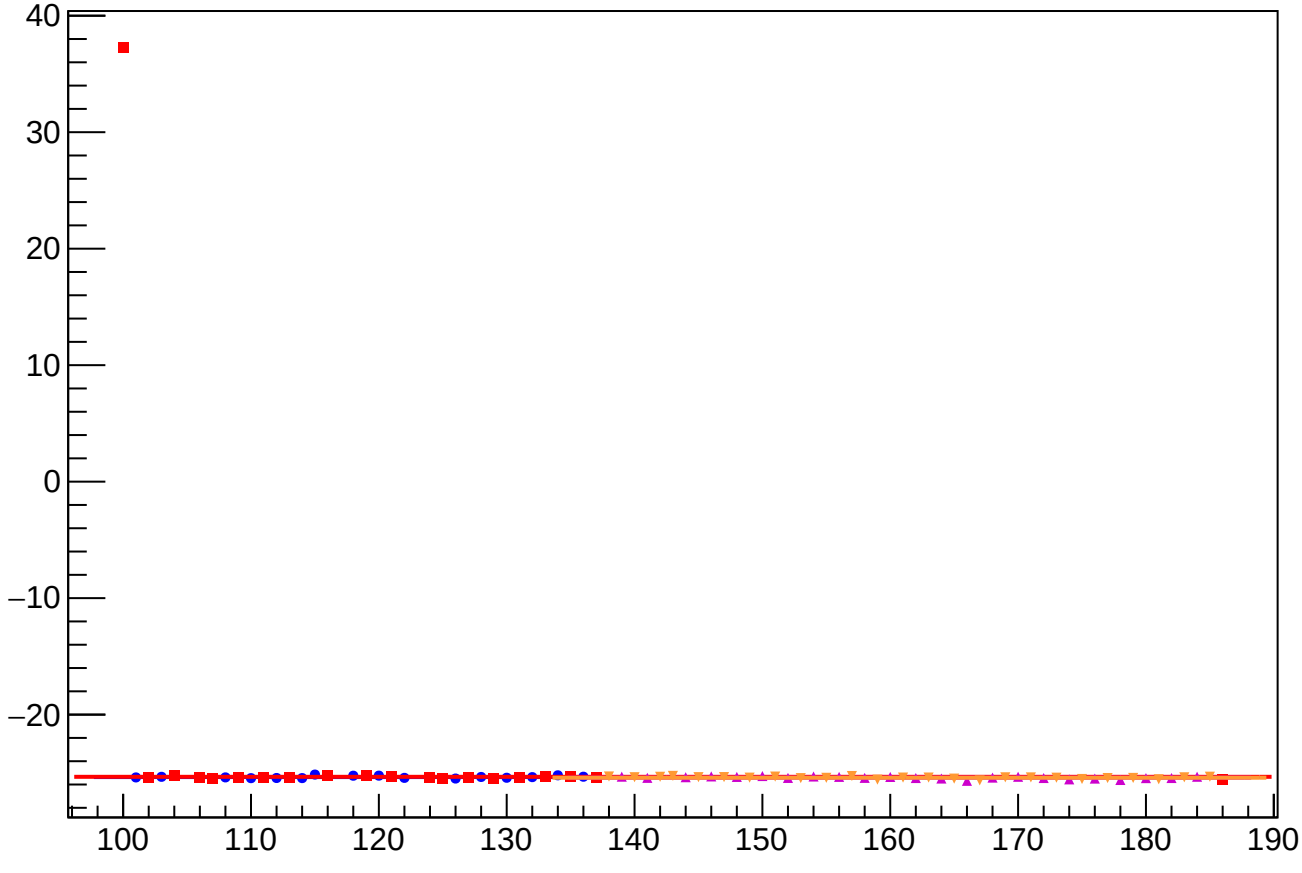
Right: 0.042+/-0.000 χ^2/NDF: 131858.3/34

In: 0.044+/-0.000 χ^2/NDF:332142.7/38

Out: 0.044+/-0.000 χ^2/NDF:376673.9/42

All: 0.044+/-0.000 χ^2/NDF: 709537.2/81

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

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

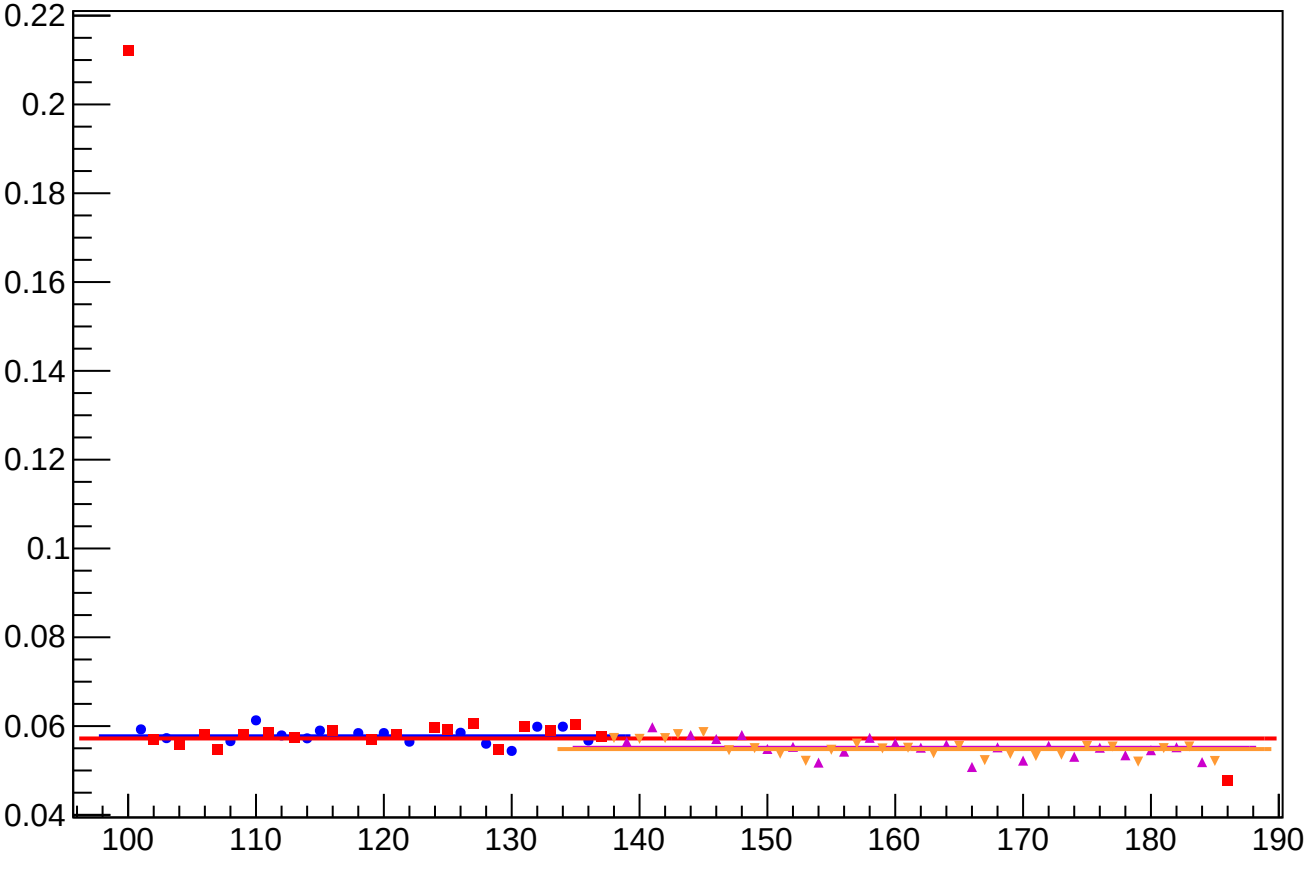
Right: -25.349+/-0.000 χ^2/NDF: 6337042603.6/35

In: -25.400+/-0.000 χ^2/NDF:73635015.2/38

Out: -25.396+/-0.000 χ^2/NDF:6385651319.1/44

All: -25.398+/-0.000 χ^2/NDF: 6459360009.9/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

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

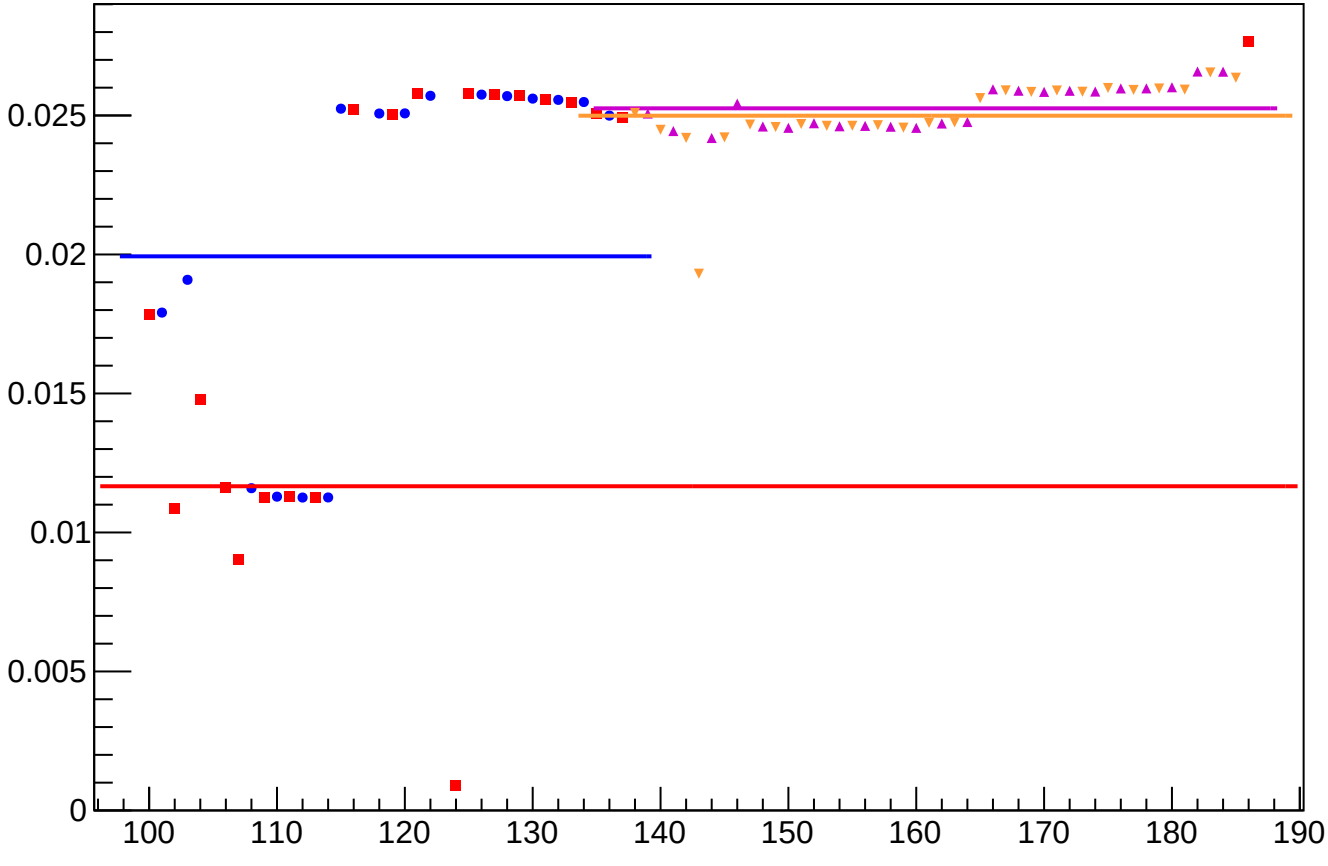
Right: 0.057+/-0.000 χ^2/NDF: 135633.7/35

In: 0.056+/-0.000 χ^2/NDF:83971.3/38

Out: 0.055+/-0.000 χ^2/NDF:180742.4/44

All: 0.056+/-0.000 χ^2/NDF: 265574.5/83

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

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

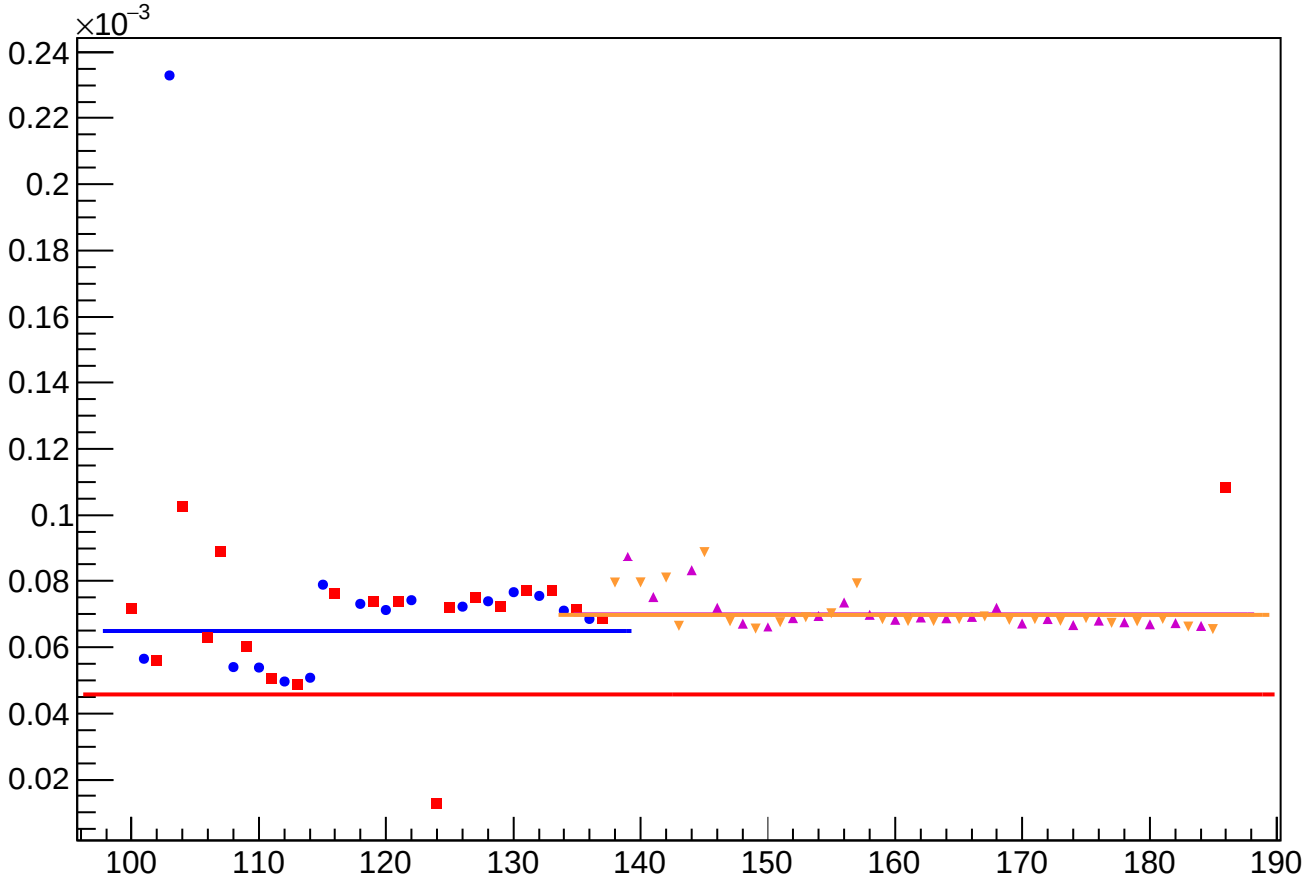
Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

Right: 0.015+/-0.000 χ^2/NDF: 391615664655.3/35

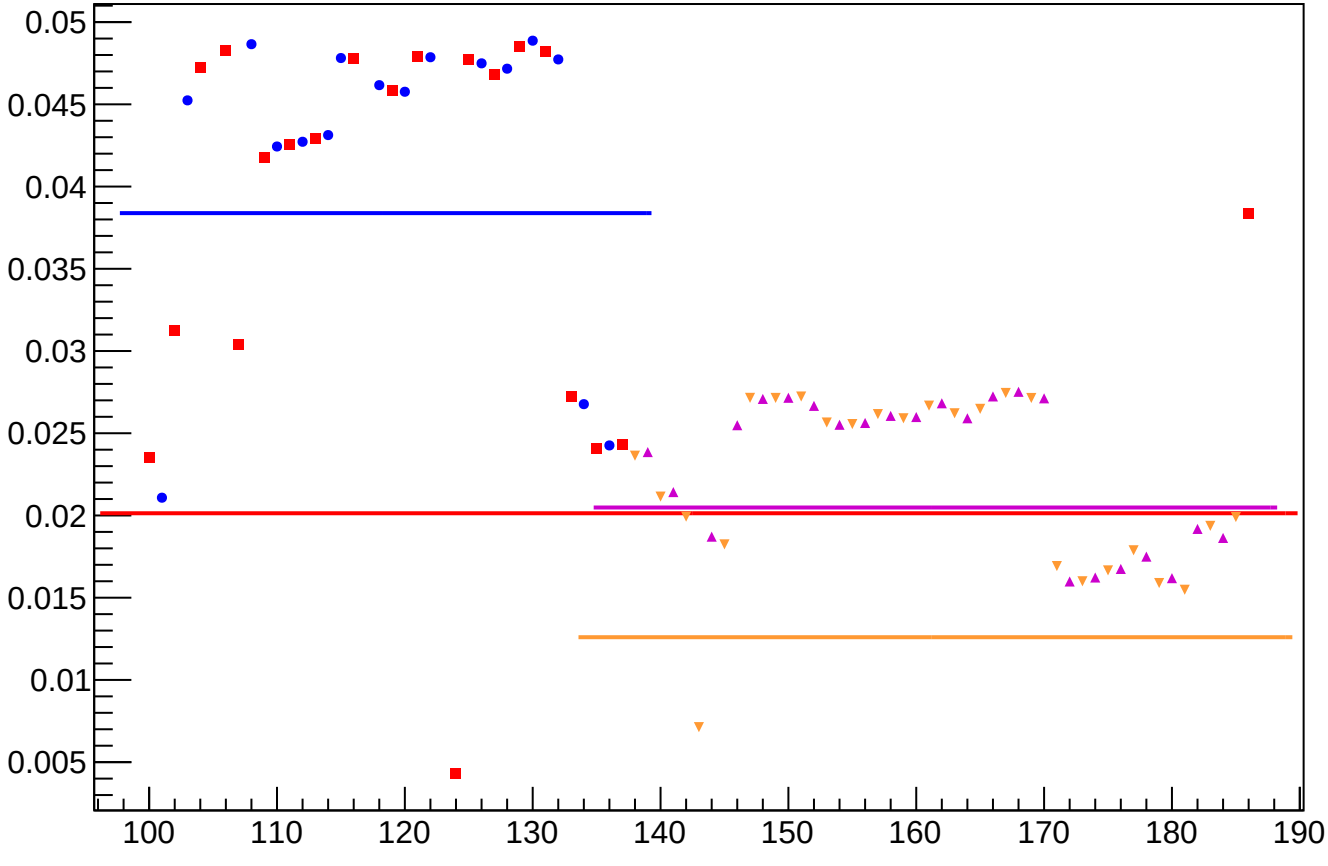
In: 0.024+/-0.000 χ^2/NDF:95371823158.2/38

Out: 0.020+/-0.000 χ^2/NDF:545043501255.2/44

All: 0.021+/-0.000 χ^2/NDF: 685871644573.9


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: 816892.1/15
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: 5569785.2/35
In: 0.000+/-0.000 χ²/NDF:1023943.2/38
Out: 0.000+/-0.000 χ²/NDF:6006119.5/44
All: 0.000+/-0.000 χ²/NDF: 7414155.6/83

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

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

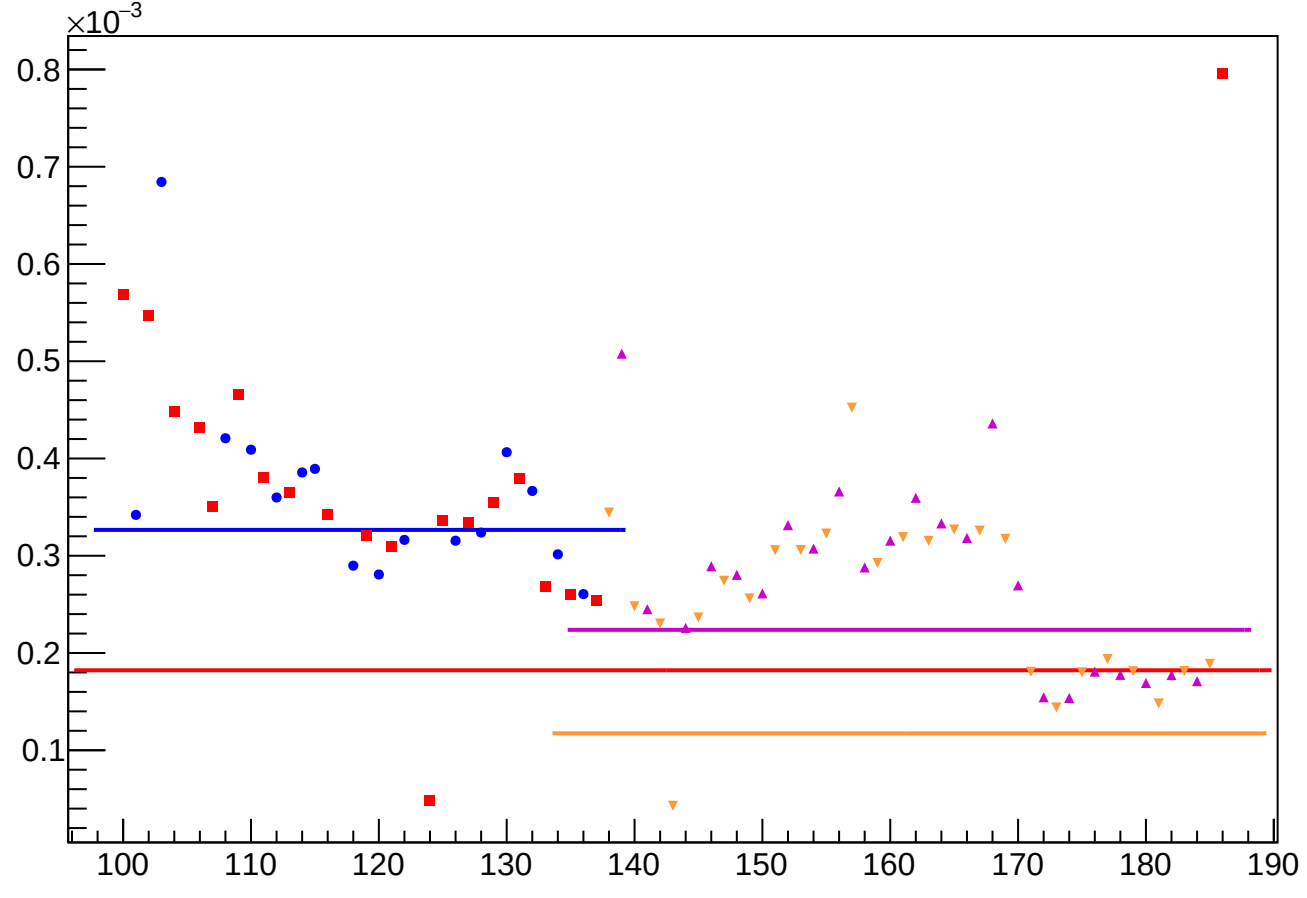
Right: 0.026+/-0.000 χ^2/NDF: 62776566129.6/35

In: 0.023+/-0.000 χ^2/NDF:29036126319.3/38

Out: 0.014+/-0.000 χ^2/NDF:85730477258.8/44

All: 0.017+/-0.000 χ^2/NDF: 139152596417.7

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

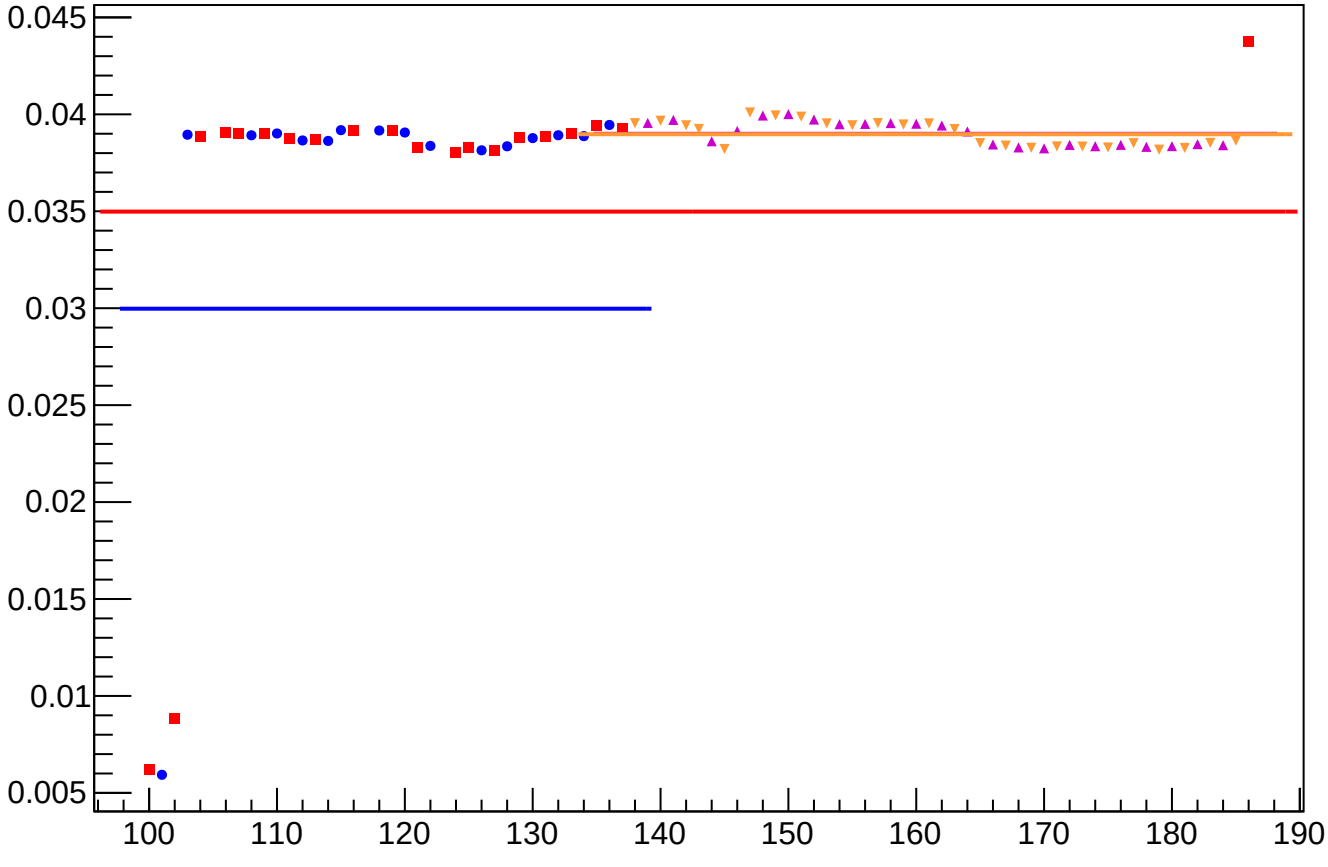
Right: 0.000+/-0.000 χ^2/NDF: 8386507.1/35

In: 0.000+/-0.000 χ^2/NDF:5014770.4/38

Out: 0.000+/-0.000 χ^2/NDF:21418591.5/44

All: 0.000+/-0.000 χ^2/NDF: 33096494.6/83

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

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

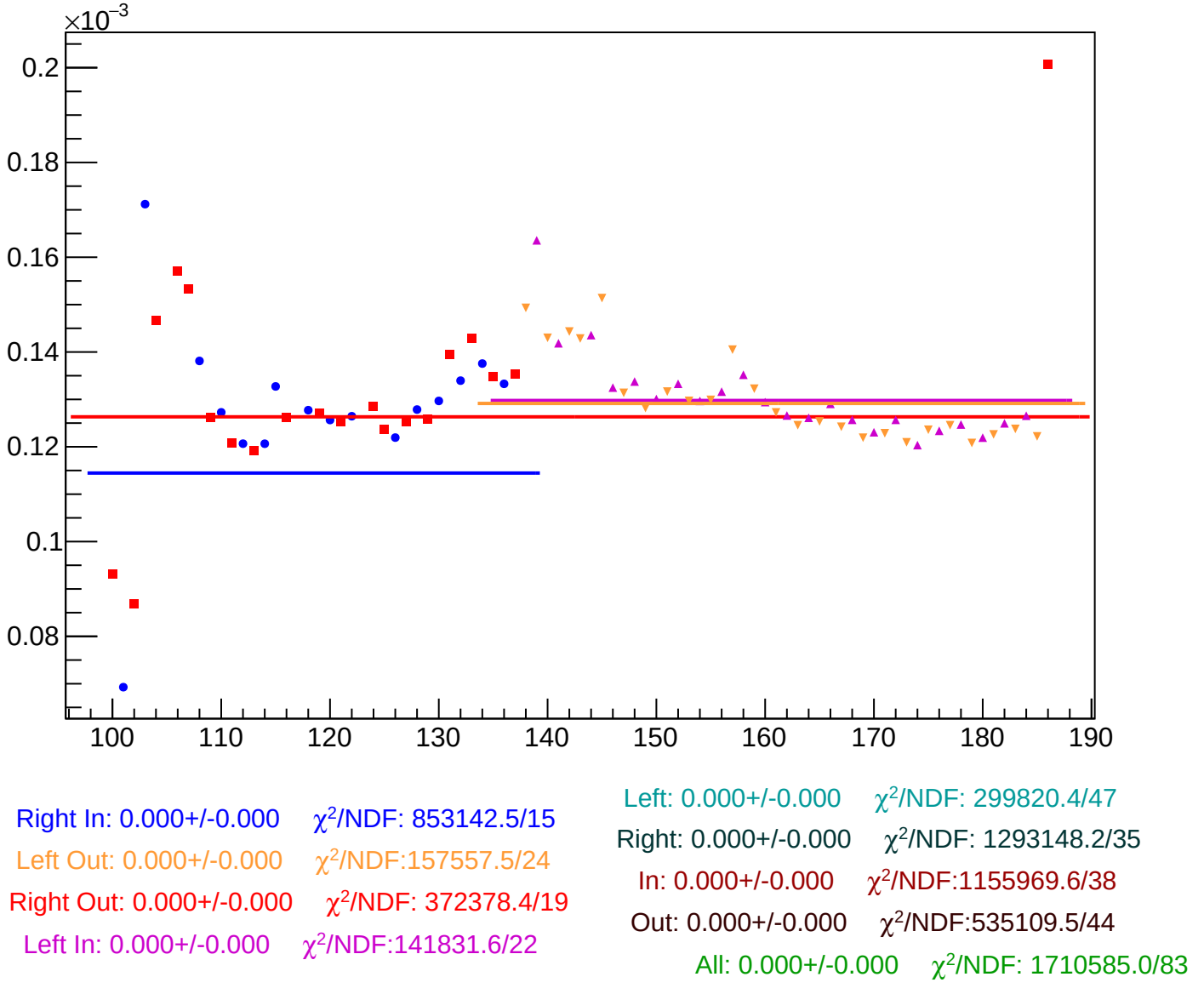
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.032+/-0.000 χ^2/NDF: 162340183922.3/35

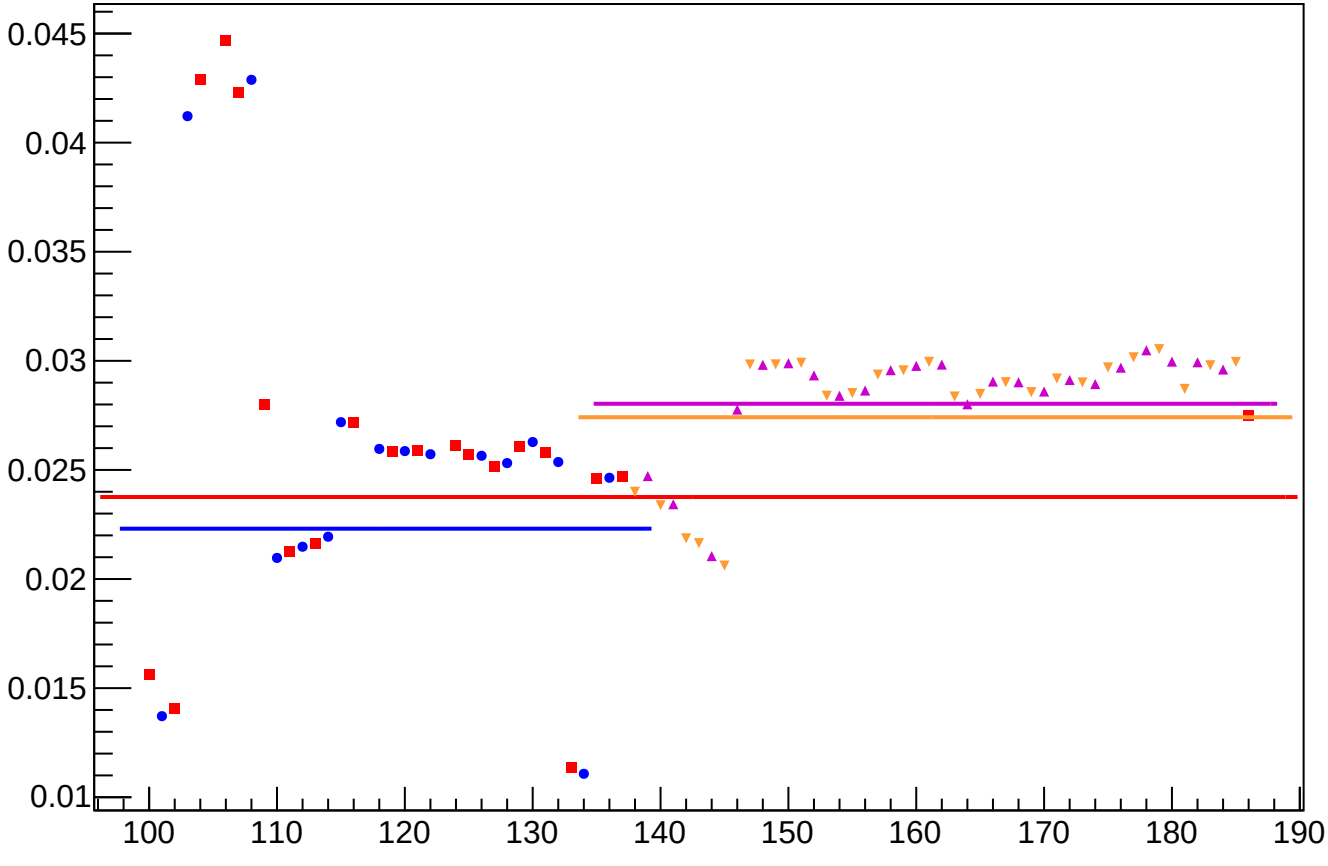
In: 0.036+/-0.000 χ^2/NDF:136617506258.8/38

Out: 0.038+/-0.000 χ^2/NDF:53696617946.0/44

All: 0.037+/-0.000 χ^2/NDF: 192726985699.5


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 372378.4/19
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 1293148.2/35
In: 0.000+/-0.000 χ²/NDF:1155969.6/38
Out: 0.000+/-0.000 χ²/NDF:535109.5/44
All: 0.000+/-0.000 χ²/NDF: 1710585.0/83

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

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

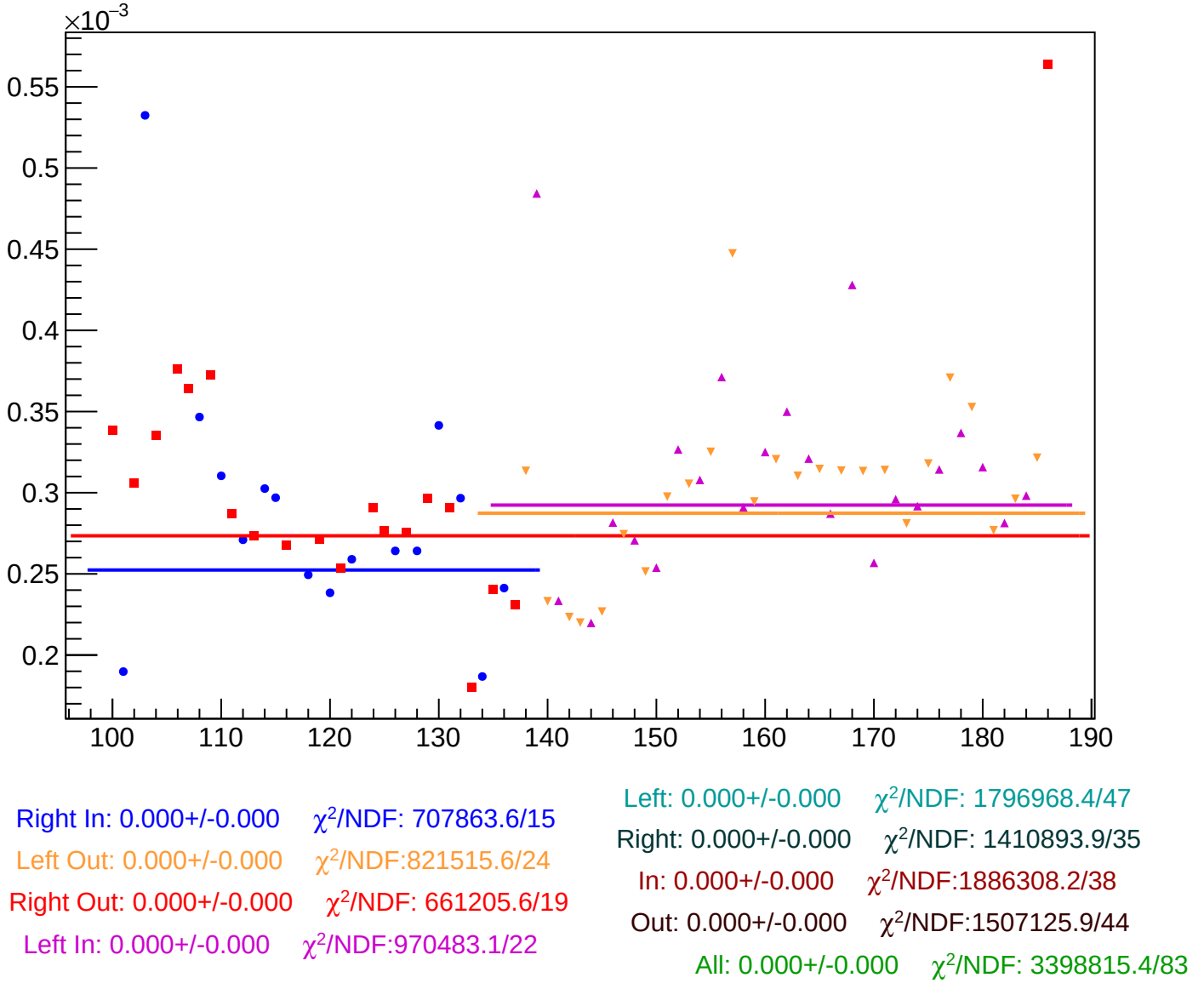
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

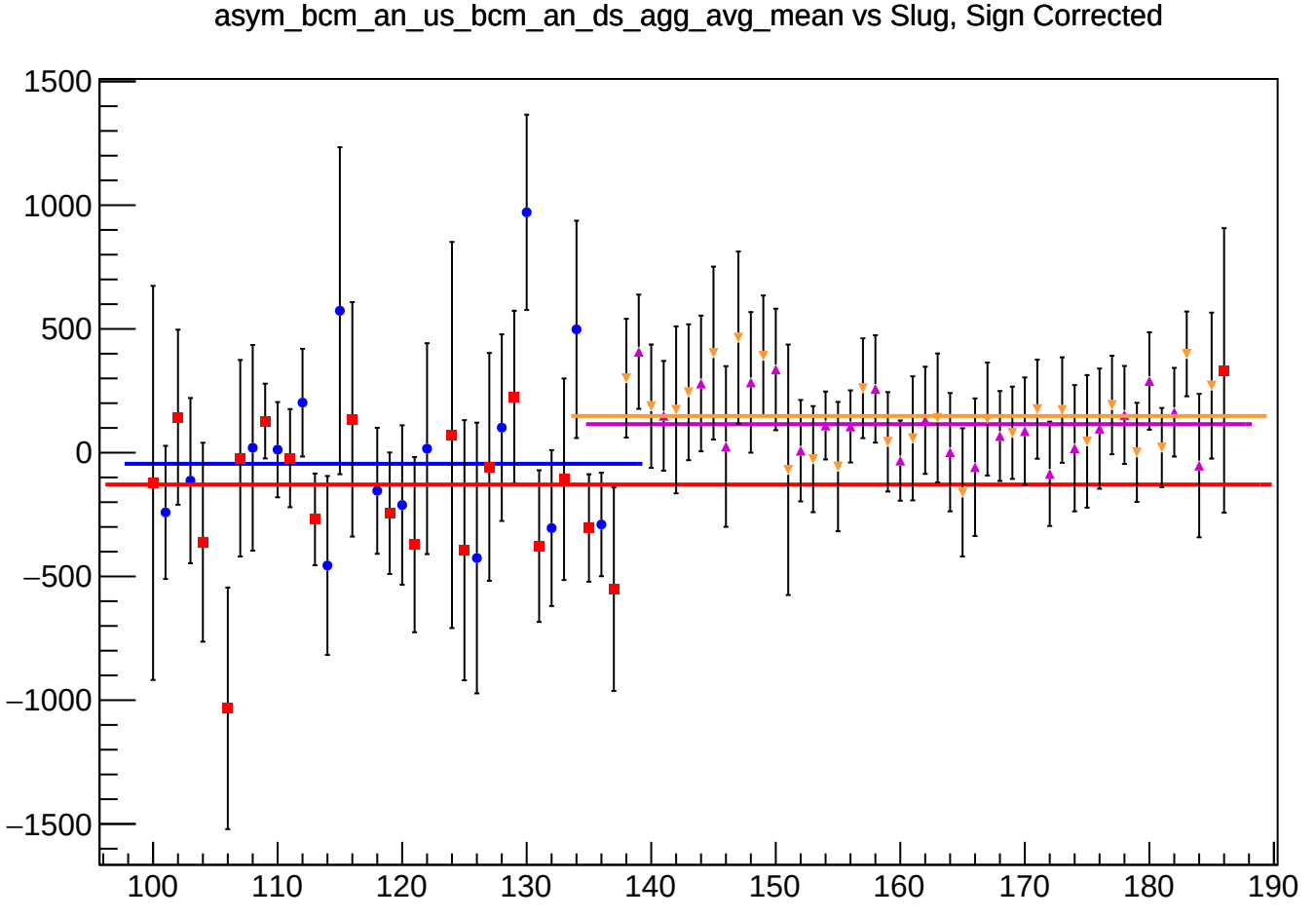
Right: 0.023+/-0.000 χ^2/NDF: 10711428796.3/35

In: 0.026+/-0.000 χ^2/NDF:8634560801.1/38

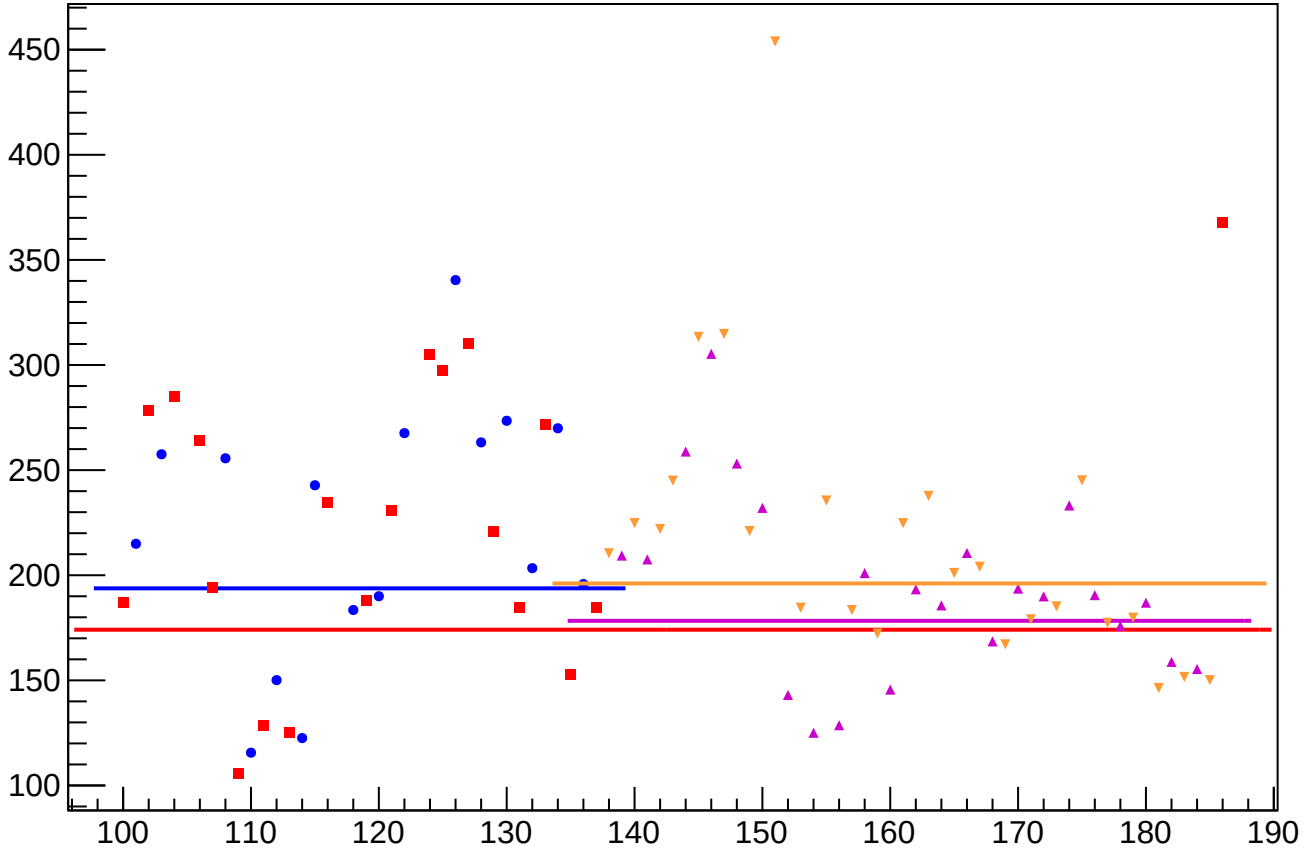
Out: 0.026+/-0.000 χ^2/NDF:8682029455.3/44

All: 0.026+/-0.000 χ^2/NDF: 17322699064.4/8


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: 707863.6/15
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: 1410893.9/35
In: 0.000+/-0.000 χ²/NDF:1886308.2/38
Out: 0.000+/-0.000 χ²/NDF:1507125.9/44
All: 0.000+/-0.000 χ²/NDF: 3398815.4/83


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: -44.917+/-76.198 χ²/NDF: 15.5/15
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: -128.533+/-67.590 χ²/NDF: 13.6/19
Left In: 115.487+/-43.568 χ²/NDF:7.8/22
Left: 130.913+/-31.703 χ²/NDF: 18.4/47
Right: -91.713+/-50.564 χ²/NDF: 29.7/35
In: 75.967+/-37.822 χ²/NDF:26.6/38
Out: 60.077+/-38.152 χ²/NDF:35.4/44
All: 68.091+/-26.860 χ²/NDF: 62.0/83

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 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

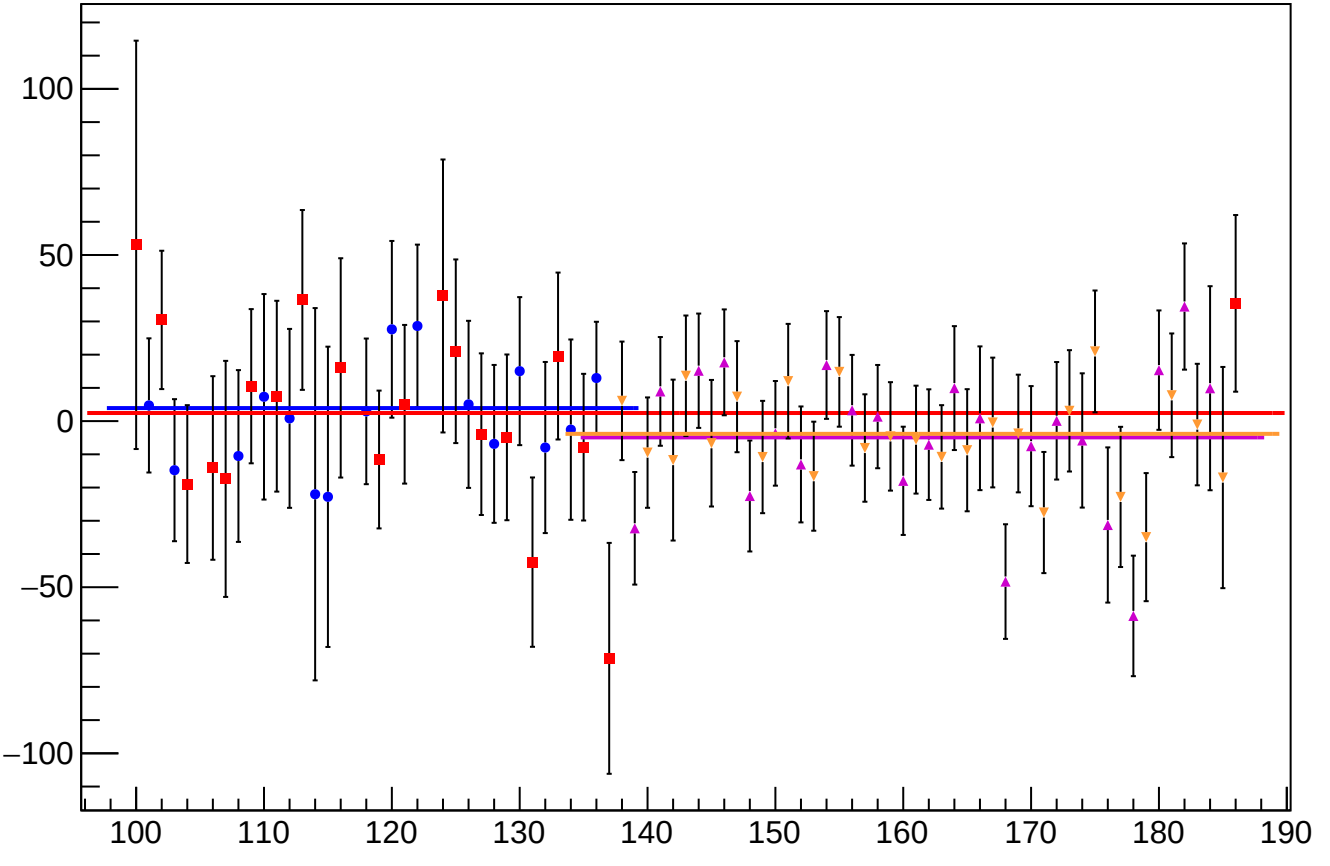
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 182.757+/-0.036 χ^2/NDF: 3010542.2/35

In: 182.124+/-0.027 χ^2/NDF:2788396.2/38

Out: 189.079+/-0.027 χ^2/NDF:3850603.5/44

All: 185.572+/-0.019 χ^2/NDF: 6672521.7/83



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

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

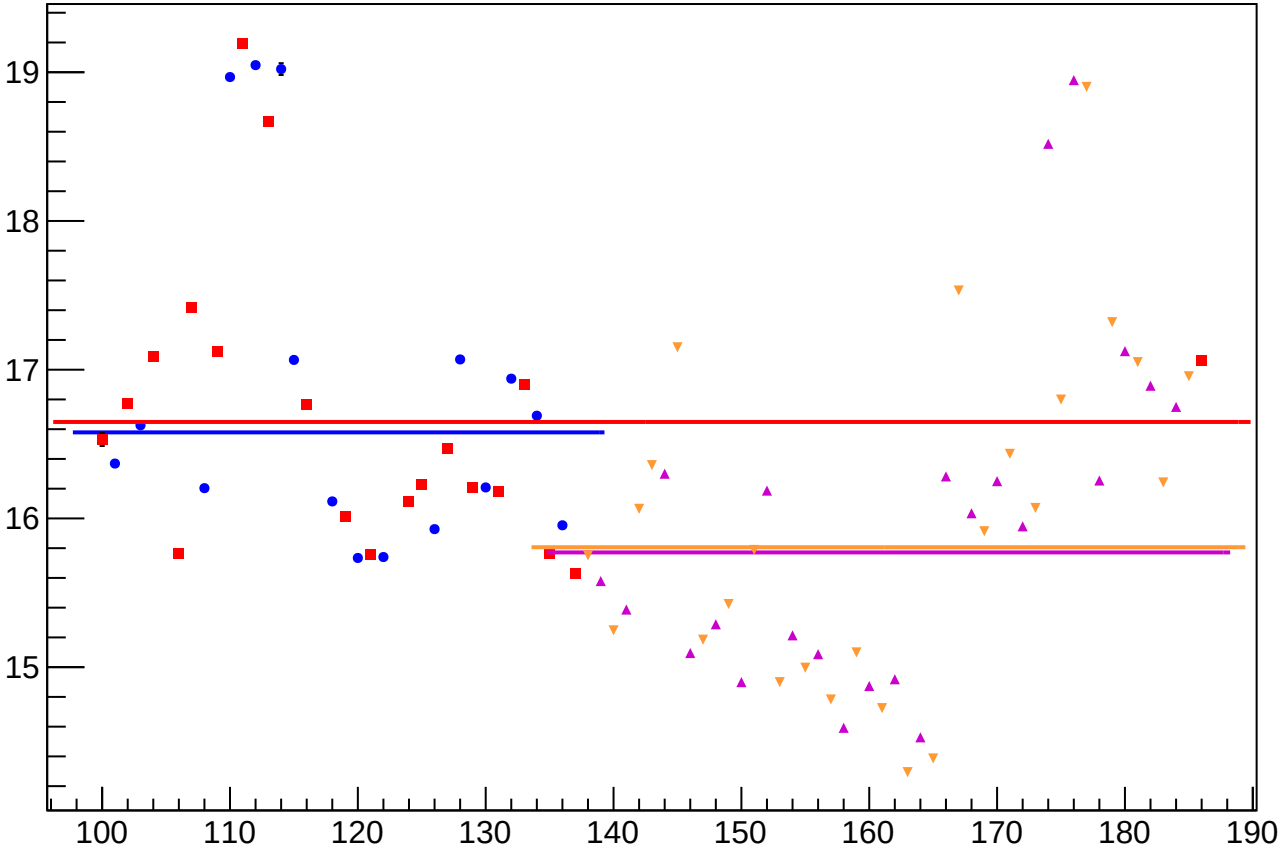
Right: 3.150+/-4.274 χ^2/NDF: 22.0/35

In: -2.574+/-3.170 χ^2/NDF:39.9/38

Out: -2.141+/-3.078 χ^2/NDF:31.2/44

All: -2.351+/-2.208 χ^2/NDF: 71.1/83

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.806+/-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

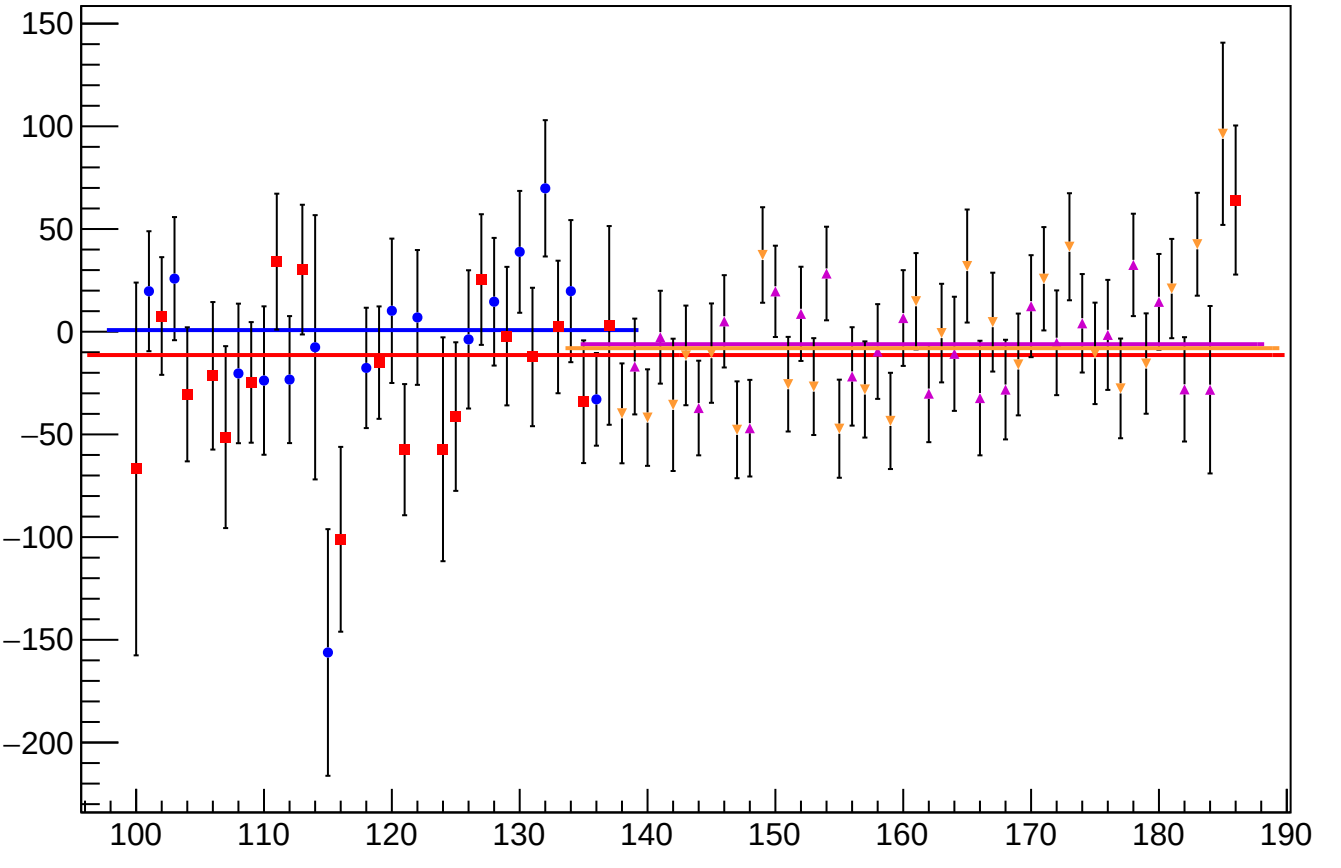
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.615+/-0.003 χ^2/NDF: 88687.4/35

In: 15.984+/-0.002 χ^2/NDF:221895.9/38

Out: 16.034+/-0.002 χ^2/NDF:246148.3/44

All: 16.010+/-0.002 χ^2/NDF: 468292.9/83



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

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

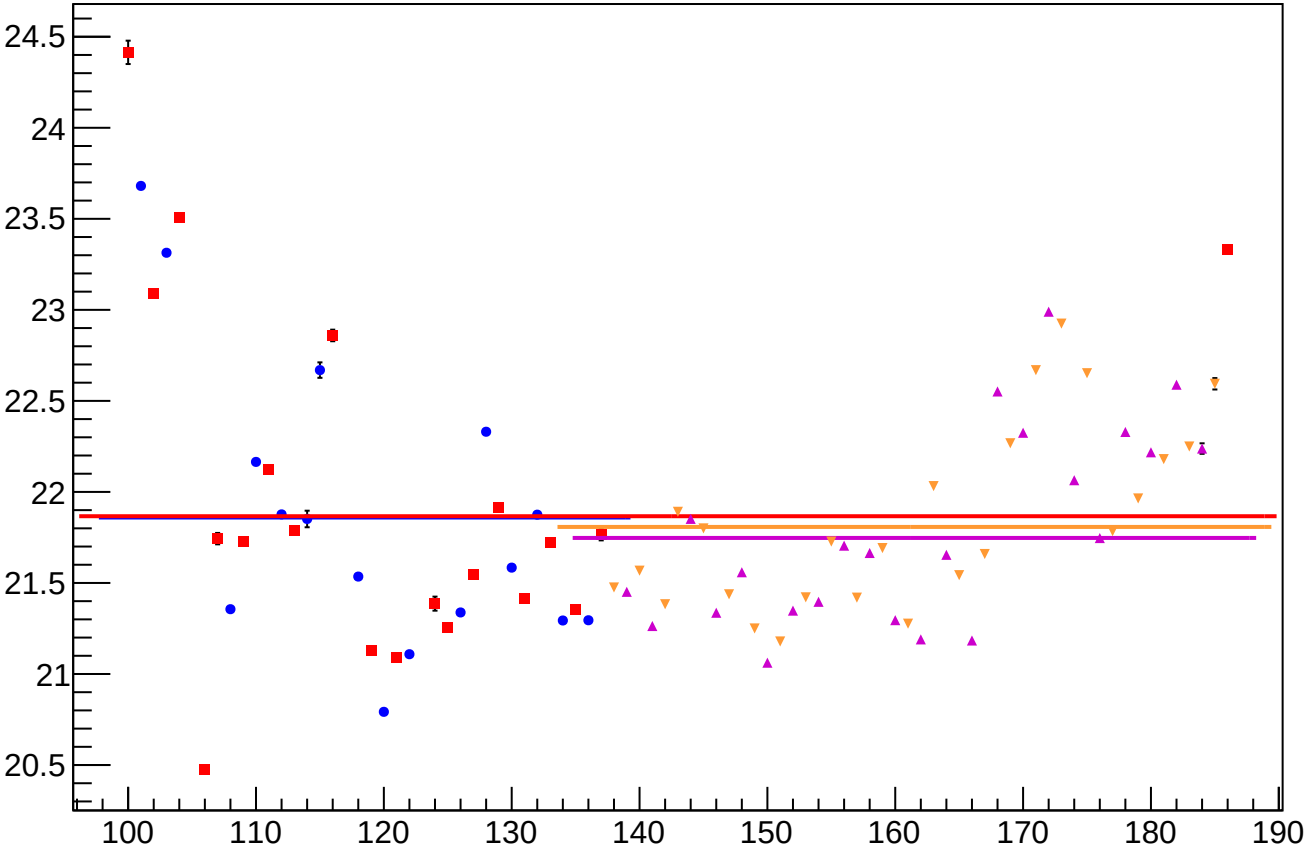
Right: -5.555+/-5.615 χ^2/NDF: 39.7/35

In: -4.154+/-4.307 χ^2/NDF:37.0/38

Out: -8.982+/-4.178 χ^2/NDF:58.9/44

All: -6.641+/-2.999 χ^2/NDF: 96.6/83

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.808+/-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

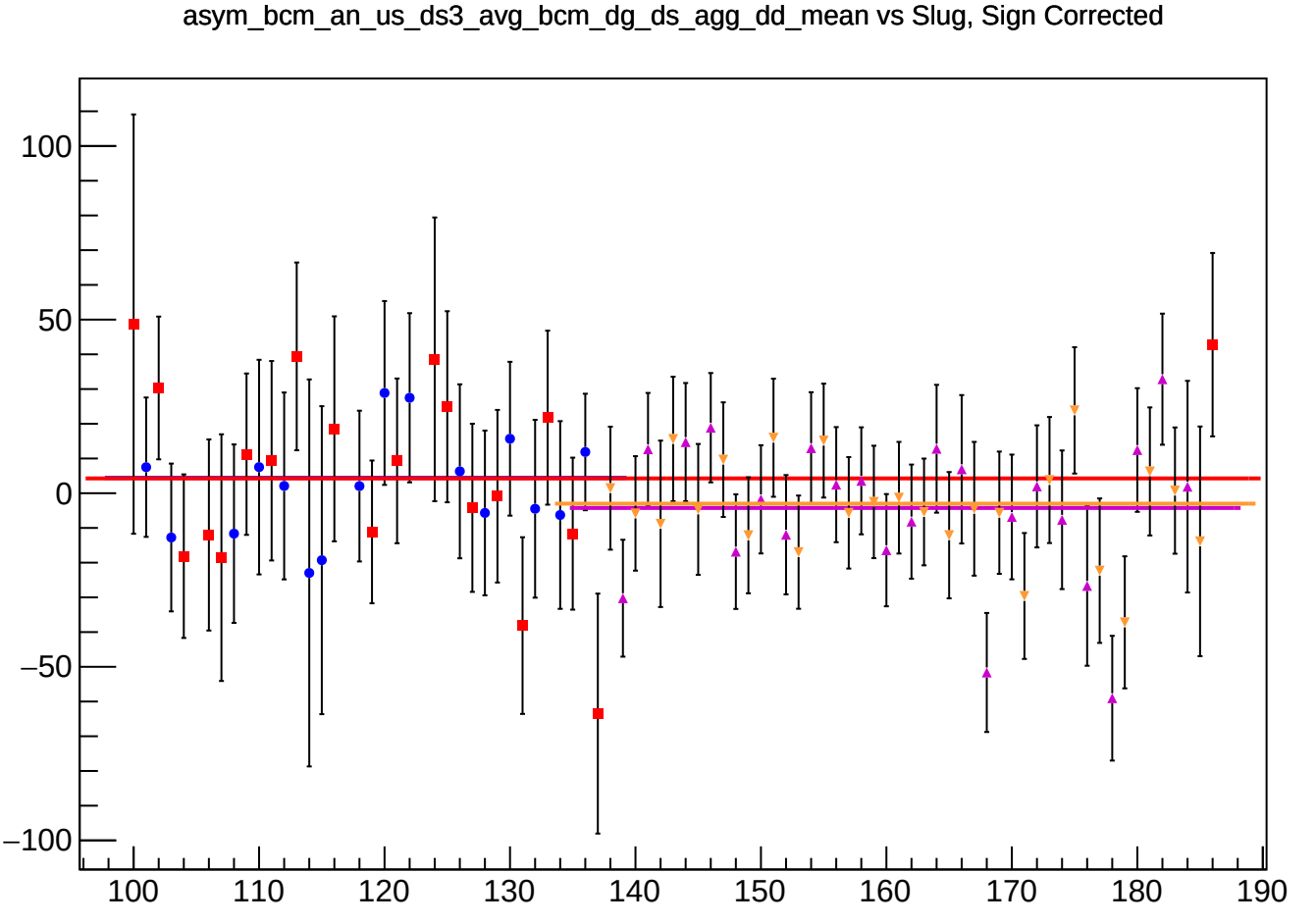
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.863+/-0.004 χ^2/NDF: 41742.7/35

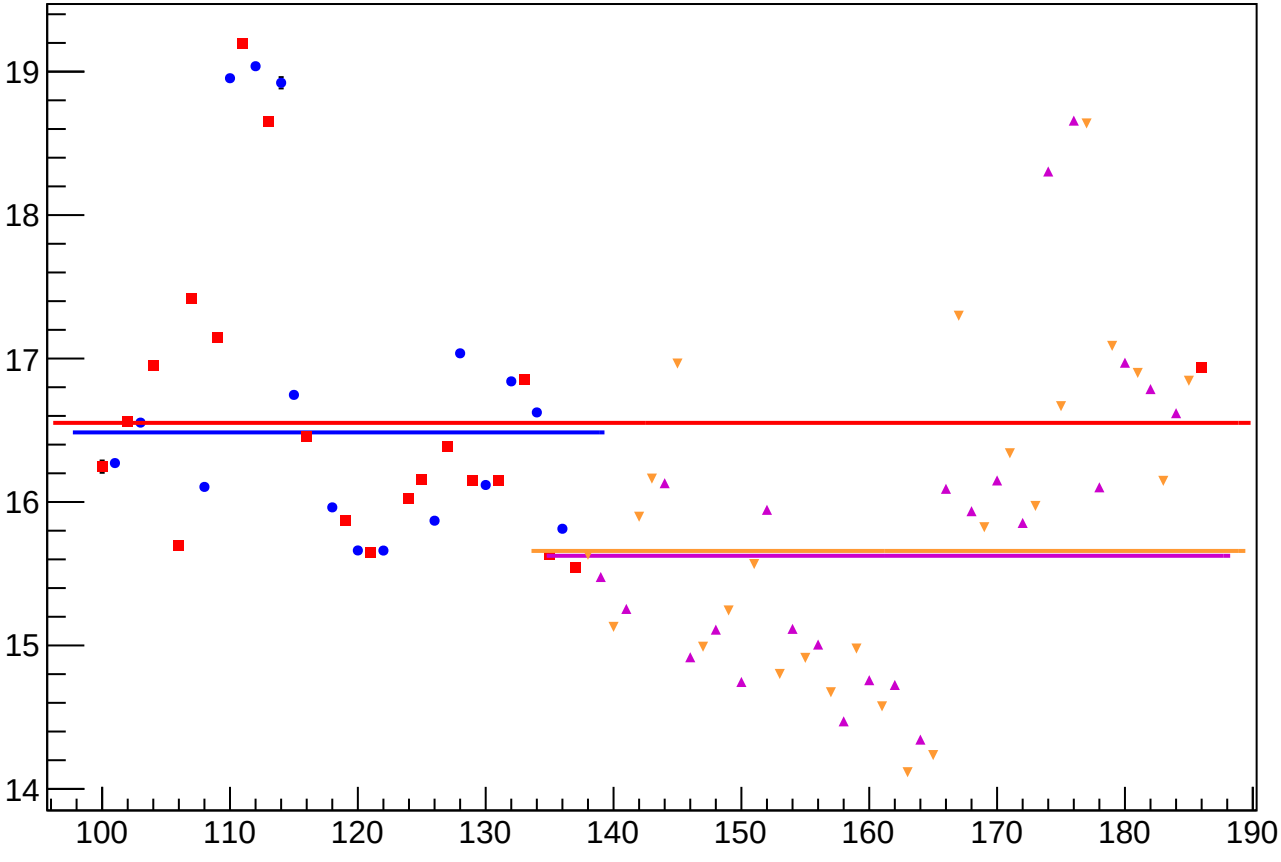
In: 21.779+/-0.003 χ^2/NDF:40303.5/38

Out: 21.825+/-0.003 χ^2/NDF:39916.3/44

All: 21.802+/-0.002 χ^2/NDF: 80336.8/83


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: 4.404+/-6.137 χ²/NDF: 4.3/15
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: 4.329+/-4.250 χ²/NDF: 21.9/35
In: -1.978+/-3.144 χ²/NDF:39.6/38
Out: -1.052+/-3.052 χ²/NDF:33.4/44
All: -1.501+/-2.190 χ²/NDF: 73.0/83

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.659+/-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

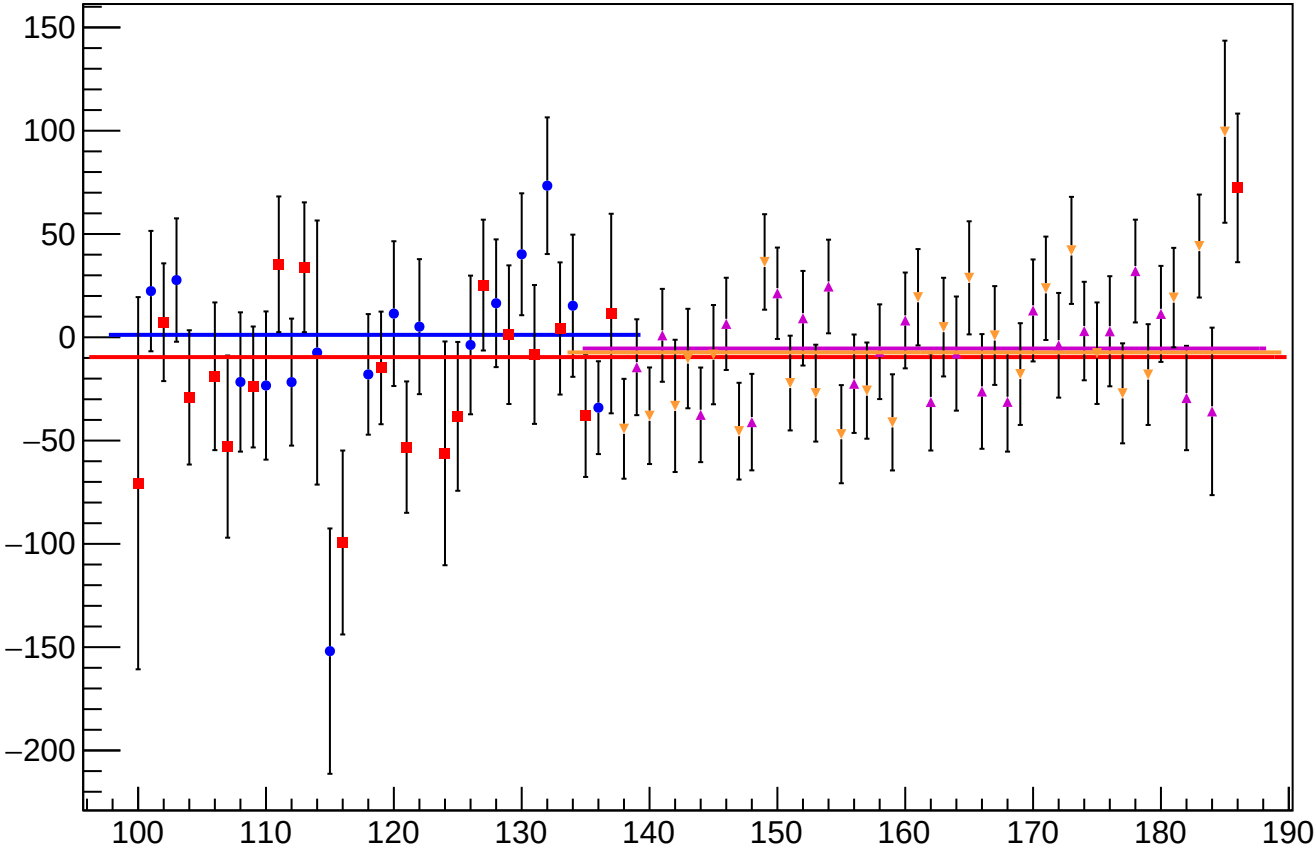
Right: 16.520+/-0.003 χ^2/NDF: 94235.0/35

In: 15.851+/-0.002 χ^2/NDF:226590.4/38

Out: 15.899+/-0.002 χ^2/NDF:250365.0/44

All: 15.875+/-0.002 χ^2/NDF: 477194.1/83

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -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

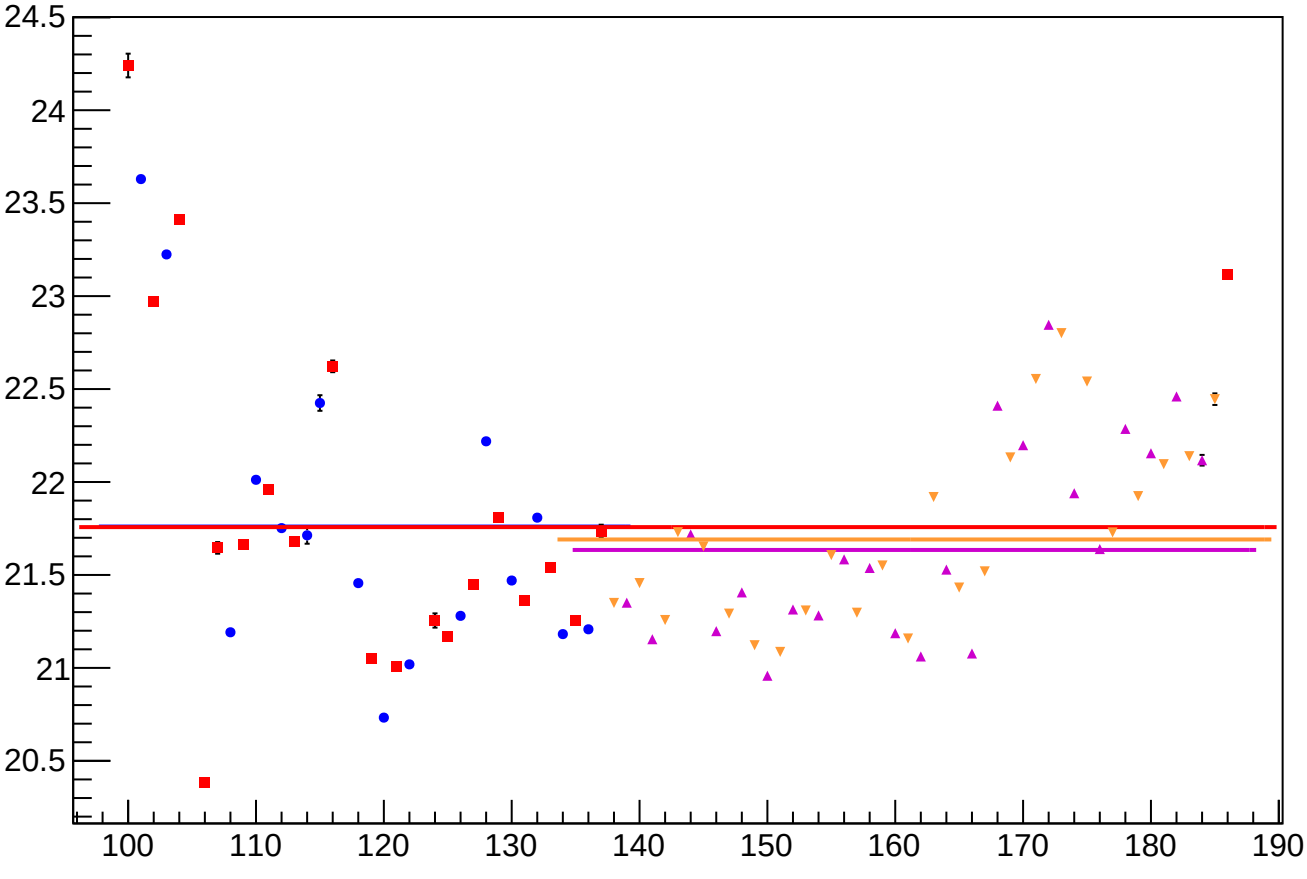
Right: -4.442+/-5.588 χ^2/NDF: 41.7/35

In: -3.576+/-4.286 χ^2/NDF:37.1/38

Out: -7.973+/-4.156 χ^2/NDF:60.1/44

All: -5.842+/-2.984 χ^2/NDF: 97.7/83

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.691+/-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

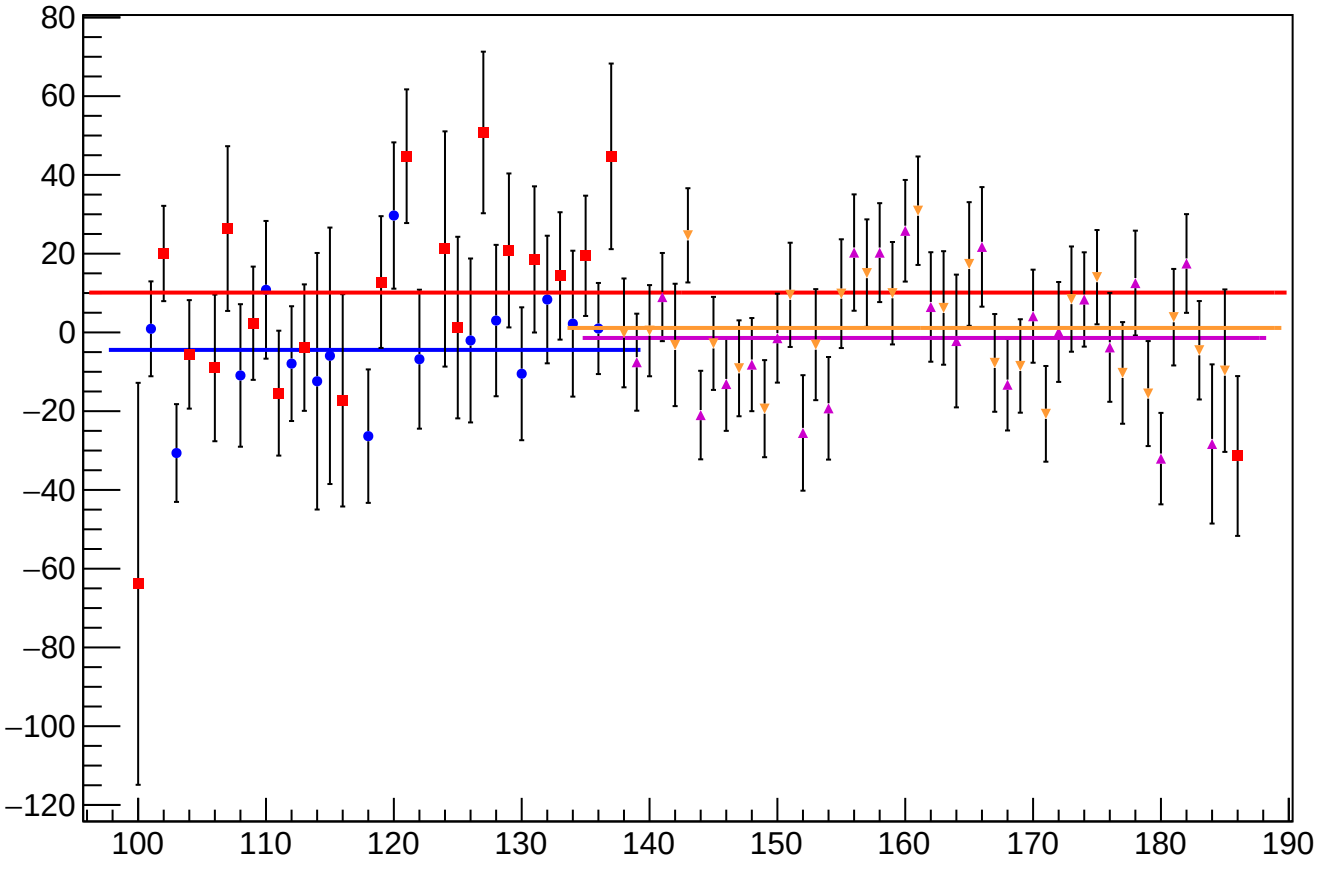
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.759+/-0.004 χ^2/NDF: 41068.0/35

In: 21.670+/-0.003 χ^2/NDF:40654.9/38

Out: 21.710+/-0.003 χ^2/NDF:39362.3/44

All: 21.691+/-0.002 χ^2/NDF: 80108.1/83



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

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

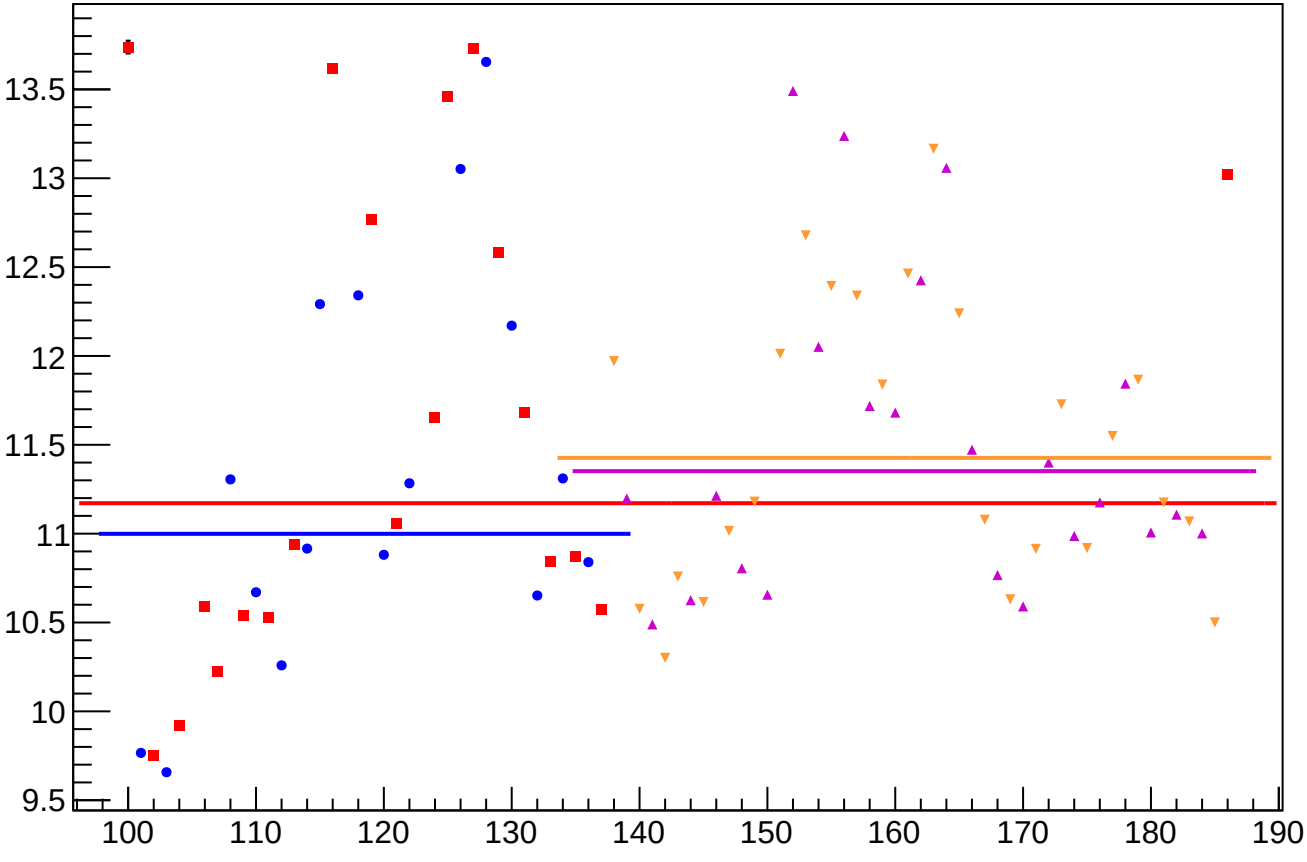
Right: 3.042+/-2.880 χ^2/NDF: 44.5/35

In: -2.302+/-2.245 χ^2/NDF:48.7/38

Out: 3.818+/-2.194 χ^2/NDF:54.1/44

All: 0.827+/-1.569 χ^2/NDF: 106.6/83

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 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

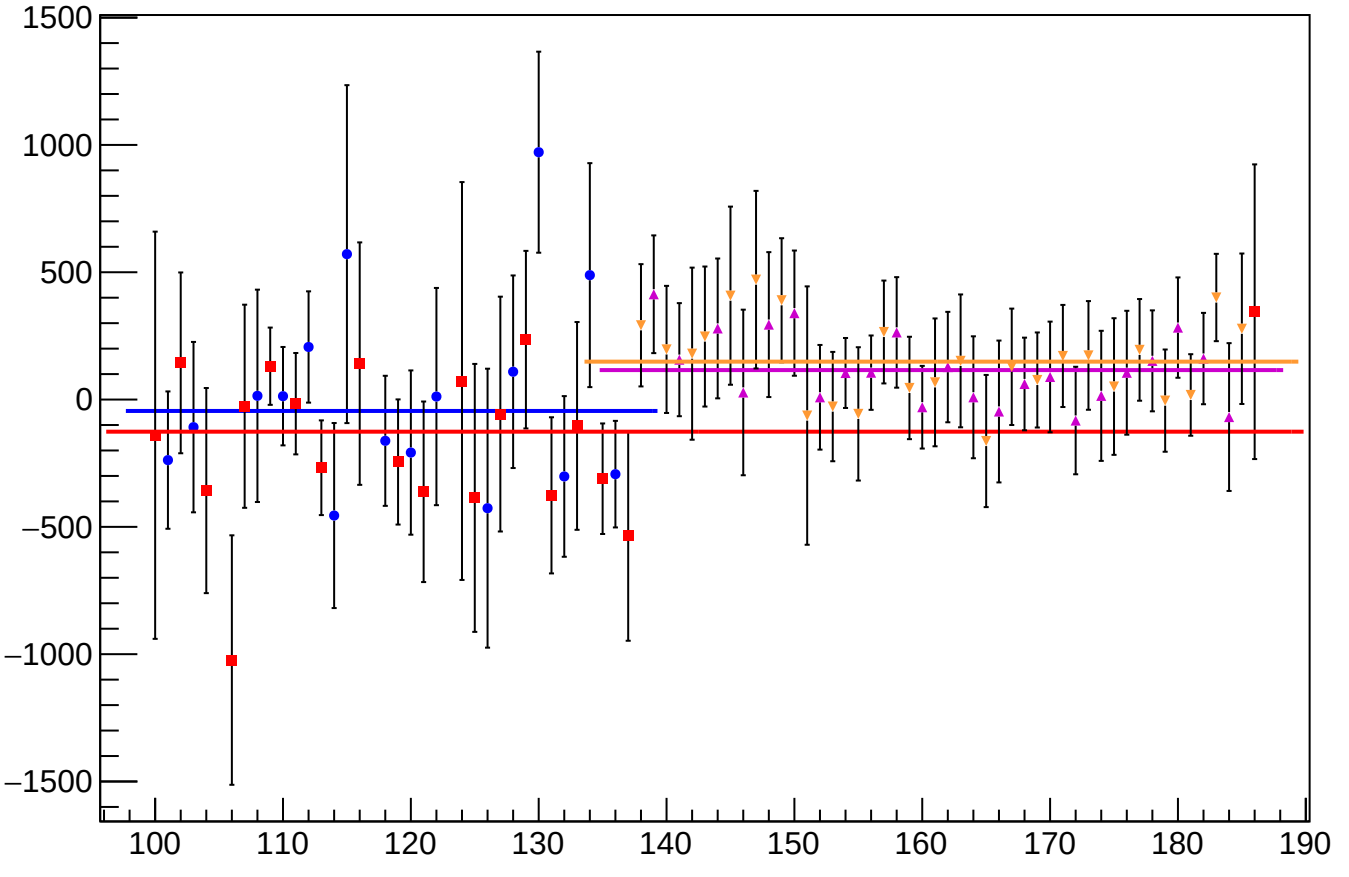
Right: 11.088+/-0.002 χ^2/NDF: 318169.1/35

In: 11.248+/-0.002 χ^2/NDF:316996.7/38

Out: 11.350+/-0.002 χ^2/NDF:342853.0/44

All: 11.300+/-0.001 χ^2/NDF: 661993.2/83

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 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

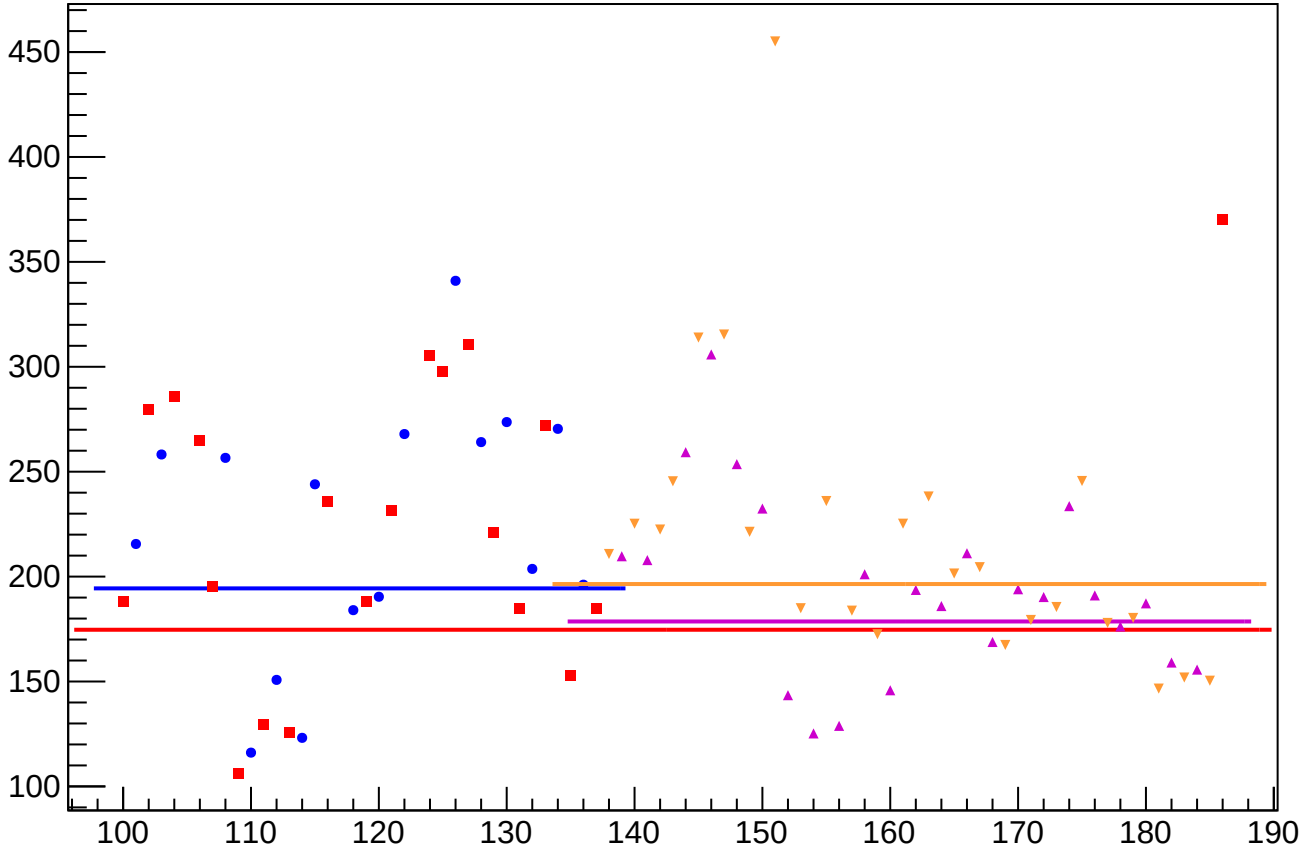
Right: -90.333+/-50.718 χ^2/NDF: 29.6/35

In: 76.241+/-37.897 χ^2/NDF:26.6/38

Out: 61.405+/-38.239 χ^2/NDF:35.2/44

All: 68.889+/-26.917 χ^2/NDF: 61.9/83

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 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

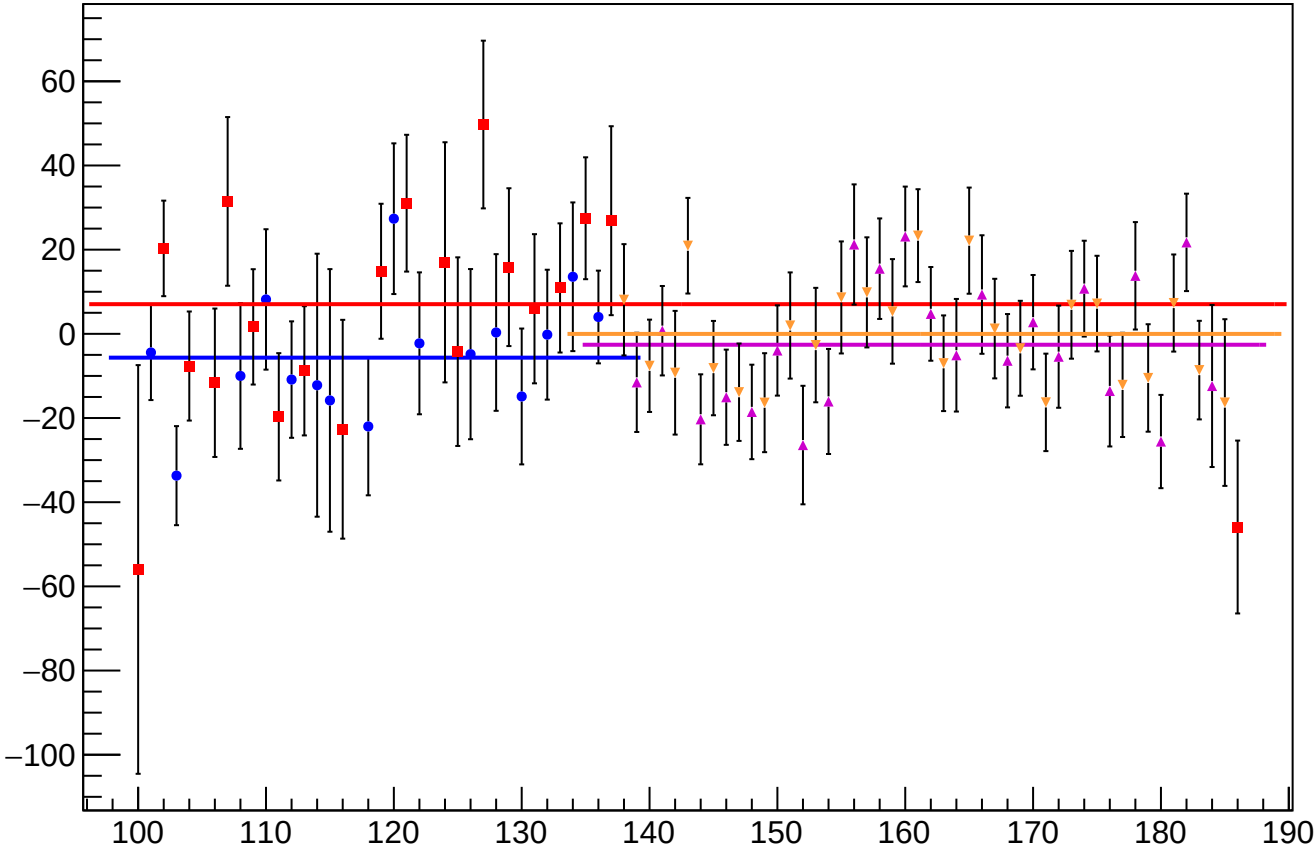
Right: 183.352+/-0.036 χ^2/NDF: 2998944.5/35

In: 182.492+/-0.027 χ^2/NDF:2785113.6/38

Out: 189.524+/-0.027 χ^2/NDF:3841994.7/44

All: 185.977+/-0.019 χ^2/NDF: 6661230.4/83

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -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

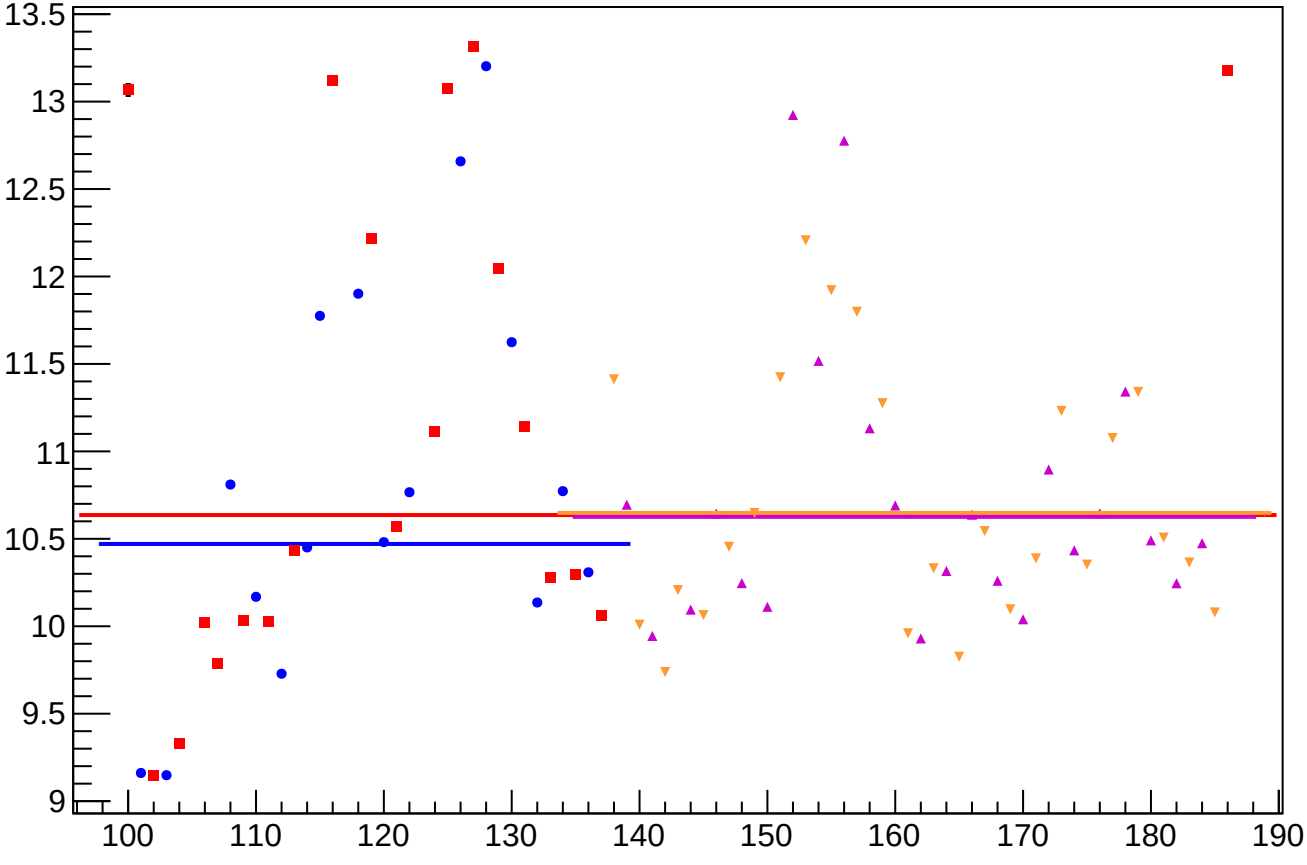
Right: 0.871+/-2.747 χ^2/NDF: 48.7/35

In: -3.474+/-2.114 χ^2/NDF:48.9/38

Out: 2.026+/-2.061 χ^2/NDF:55.8/44

All: -0.654+/-1.476 χ^2/NDF: 108.2/83

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.648+/-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

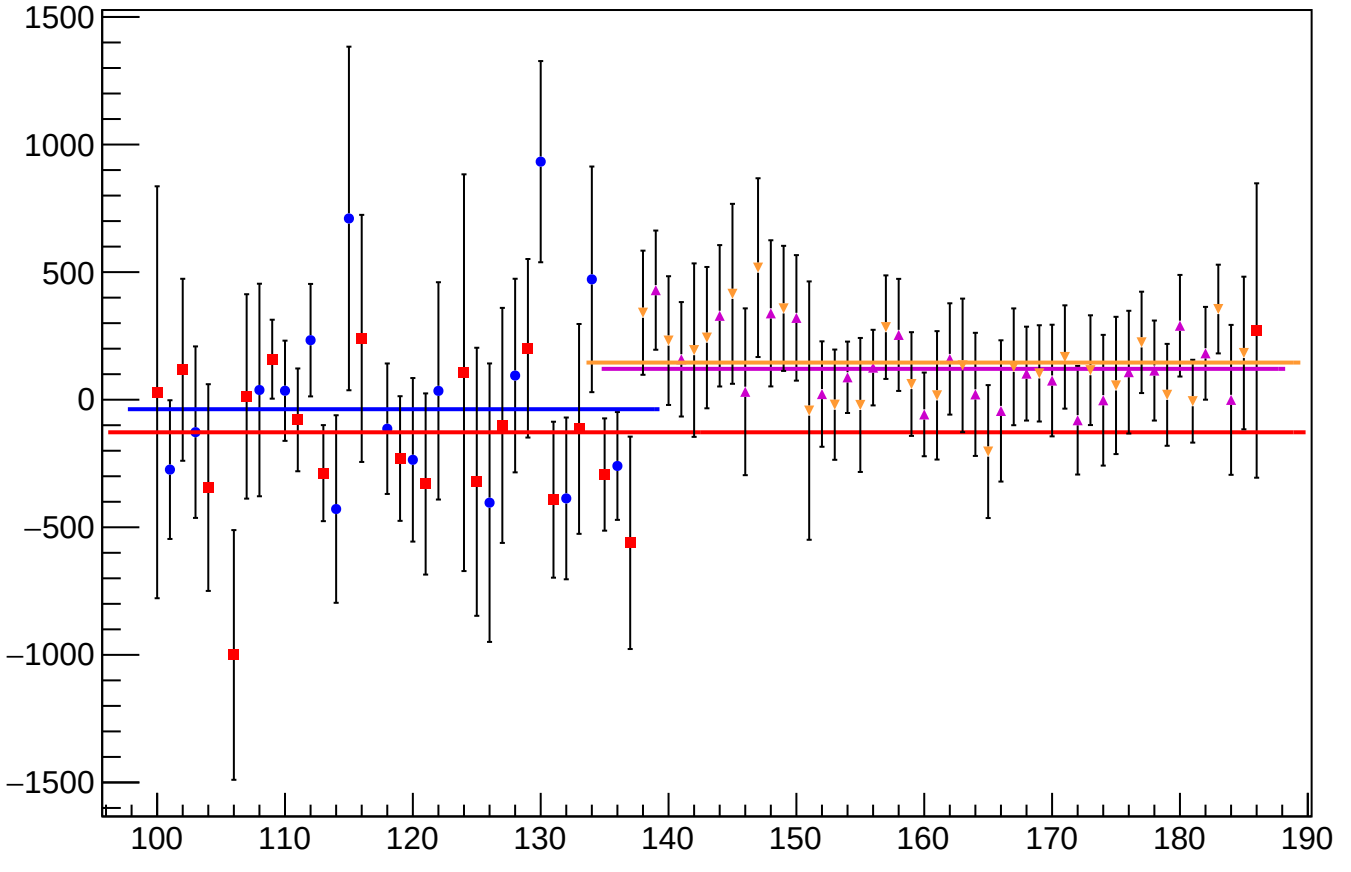
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.556+/-0.002 χ^2/NDF: 377678.8/35

In: 10.581+/-0.001 χ^2/NDF:319115.3/38

Out: 10.645+/-0.001 χ^2/NDF:362050.9/44

All: 10.614+/-0.001 χ^2/NDF: 682098.0/83



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

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

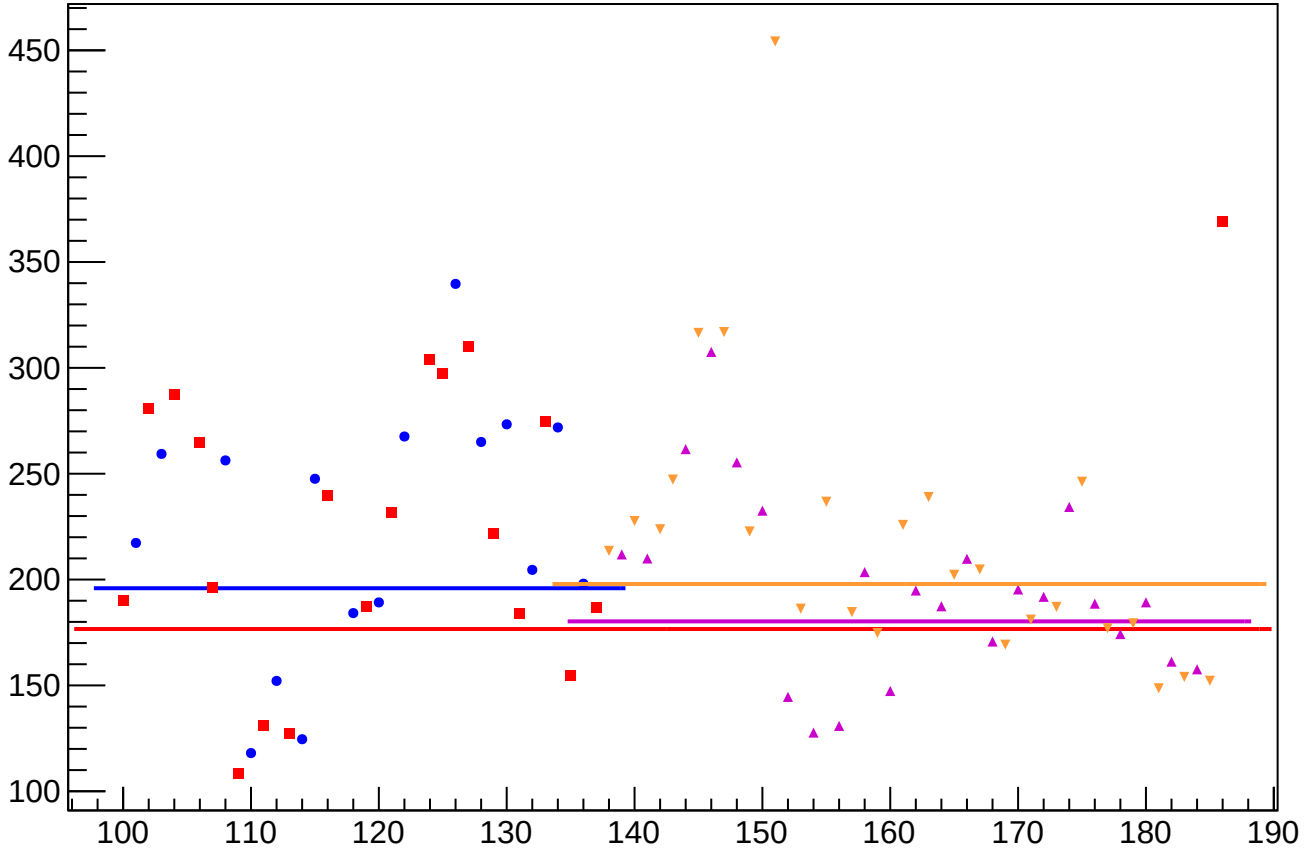
Right: -87.753+/-51.112 χ^2/NDF: 29.8/35

In: 81.907+/-38.189 χ^2/NDF:27.1/38

Out: 58.889+/-38.519 χ^2/NDF:34.6/44

All: 70.497+/-27.119 χ^2/NDF: 61.8/83

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 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

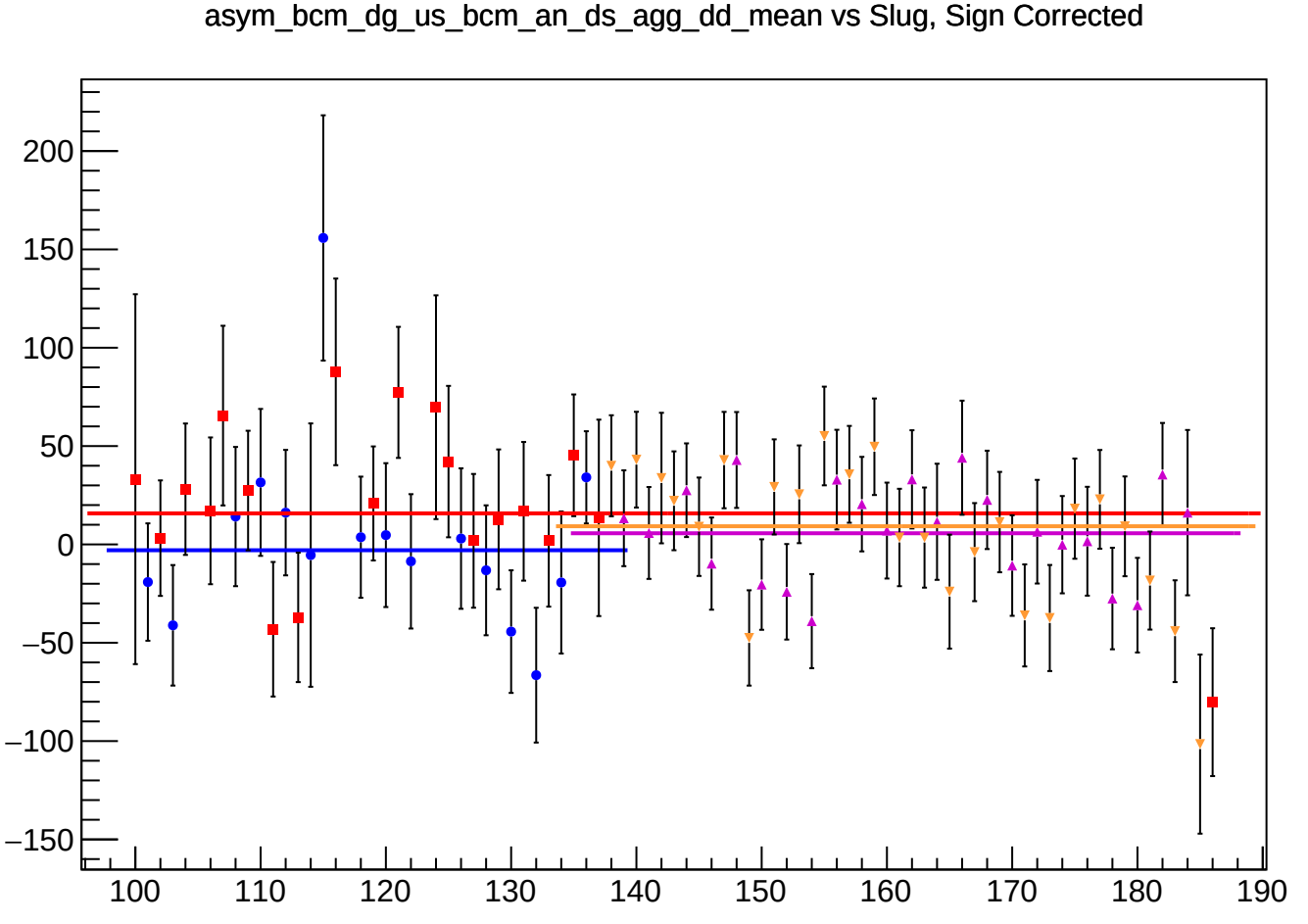
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 185.147+/-0.036 χ^2/NDF: 2905943.2/35

In: 184.106+/-0.027 χ^2/NDF:2701192.5/38

Out: 191.152+/-0.027 χ^2/NDF:3745563.6/44

All: 187.599+/-0.019 χ^2/NDF: 6480501.2/83



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

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

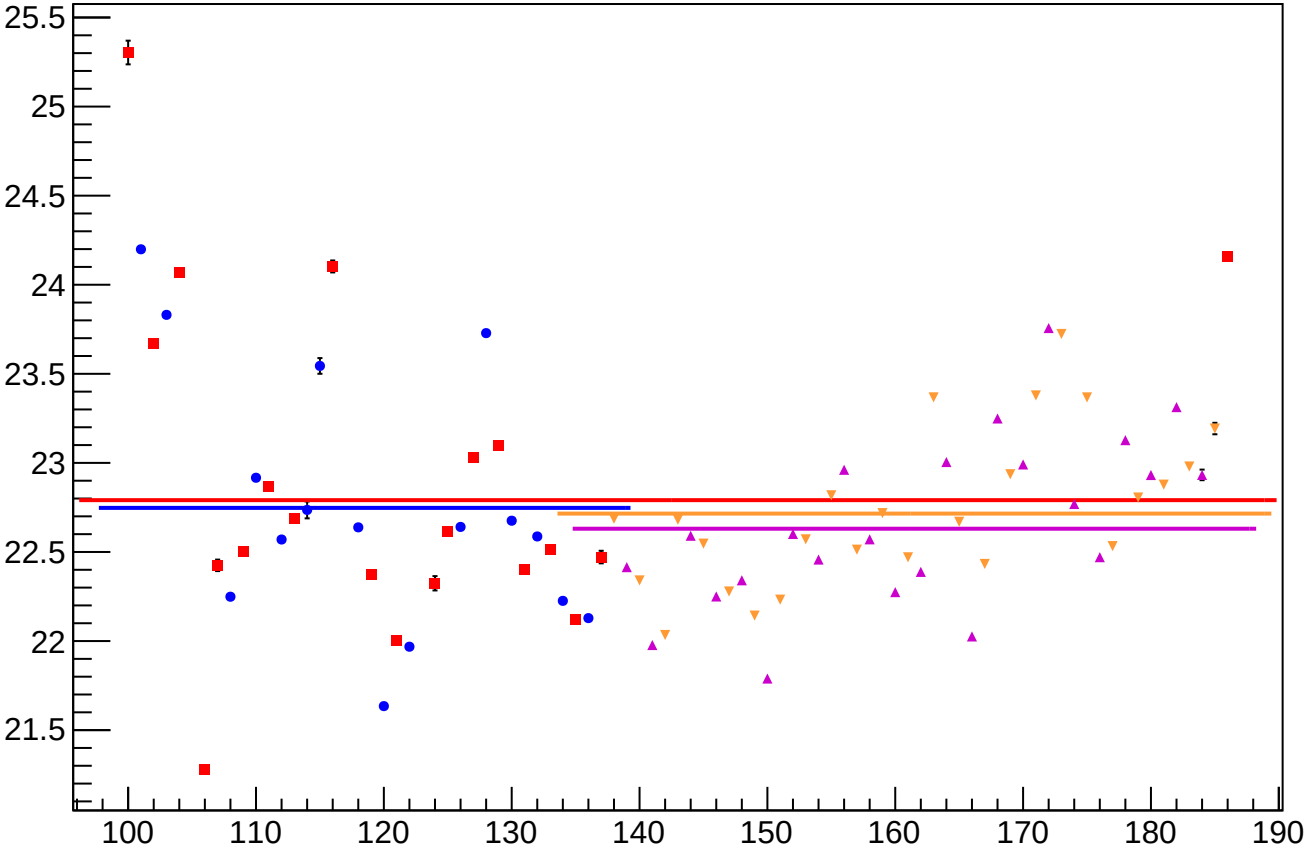
Right: 6.812+/-5.848 χ^2/NDF: 42.6/35

In: 3.240+/-4.482 χ^2/NDF:39.5/38

Out: 11.127+/-4.353 χ^2/NDF:62.0/44

All: 7.299+/-3.123 χ^2/NDF: 103.1/83

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.715+/-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

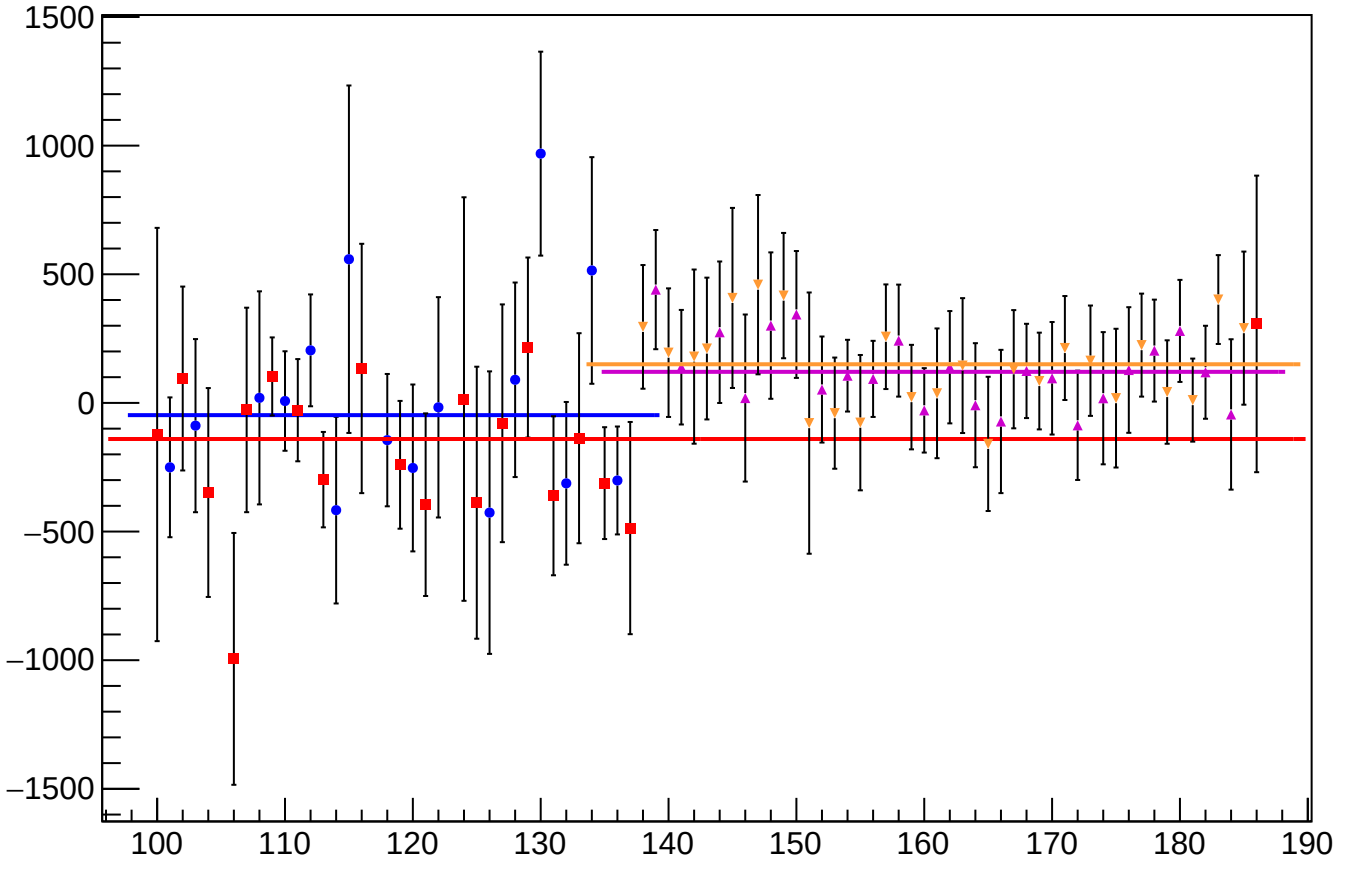
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.770+/-0.004 χ^2/NDF: 31922.8/35

In: 22.663+/-0.003 χ^2/NDF:30289.3/38

Out: 22.737+/-0.003 χ^2/NDF:29577.4/44

All: 22.701+/-0.002 χ^2/NDF: 60146.0/83



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

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

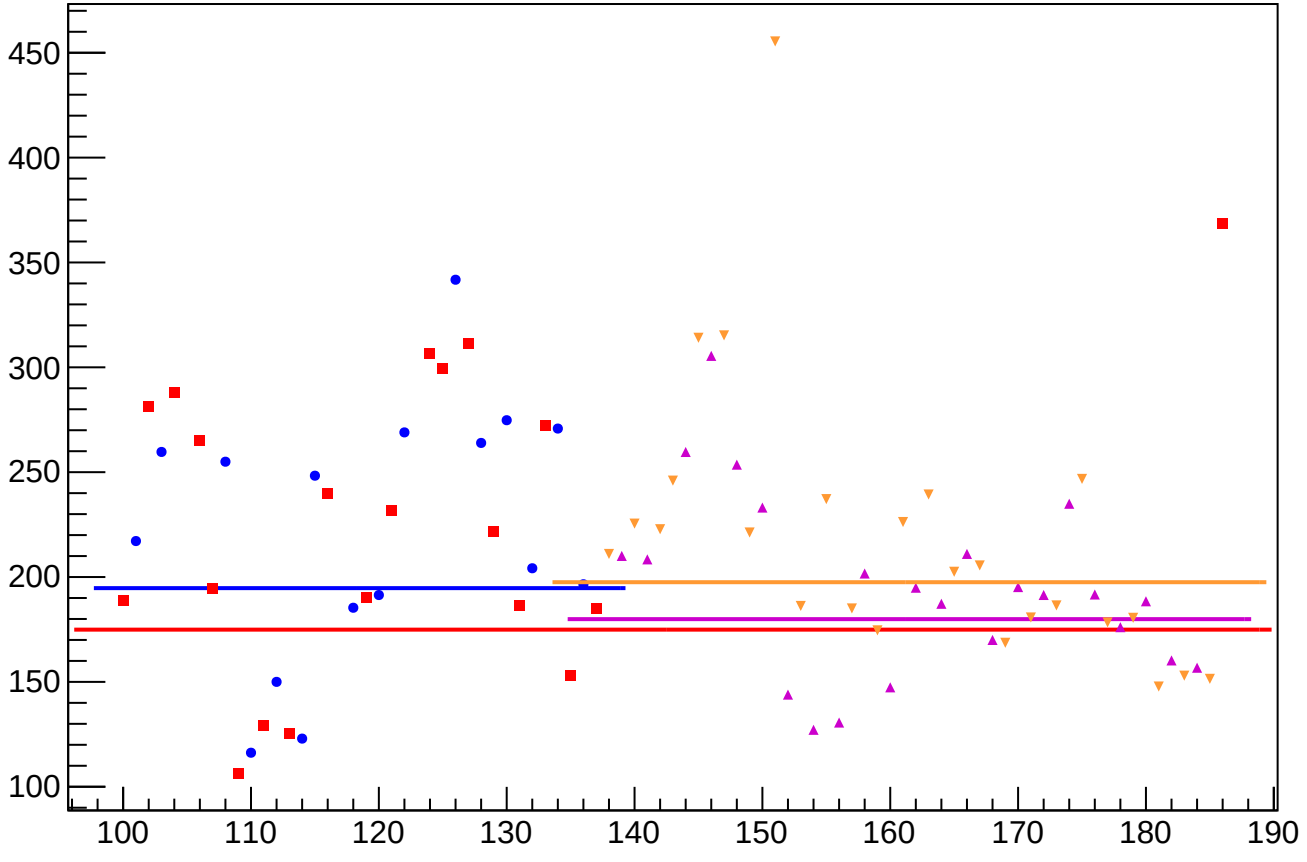
Right: -99.430+/-50.812 χ^2/NDF: 28.4/35

In: 79.101+/-38.098 χ^2/NDF:26.9/38

Out: 57.420+/-38.389 χ^2/NDF:35.6/44

All: 68.343+/-27.042 χ^2/NDF: 62.7/83

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 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

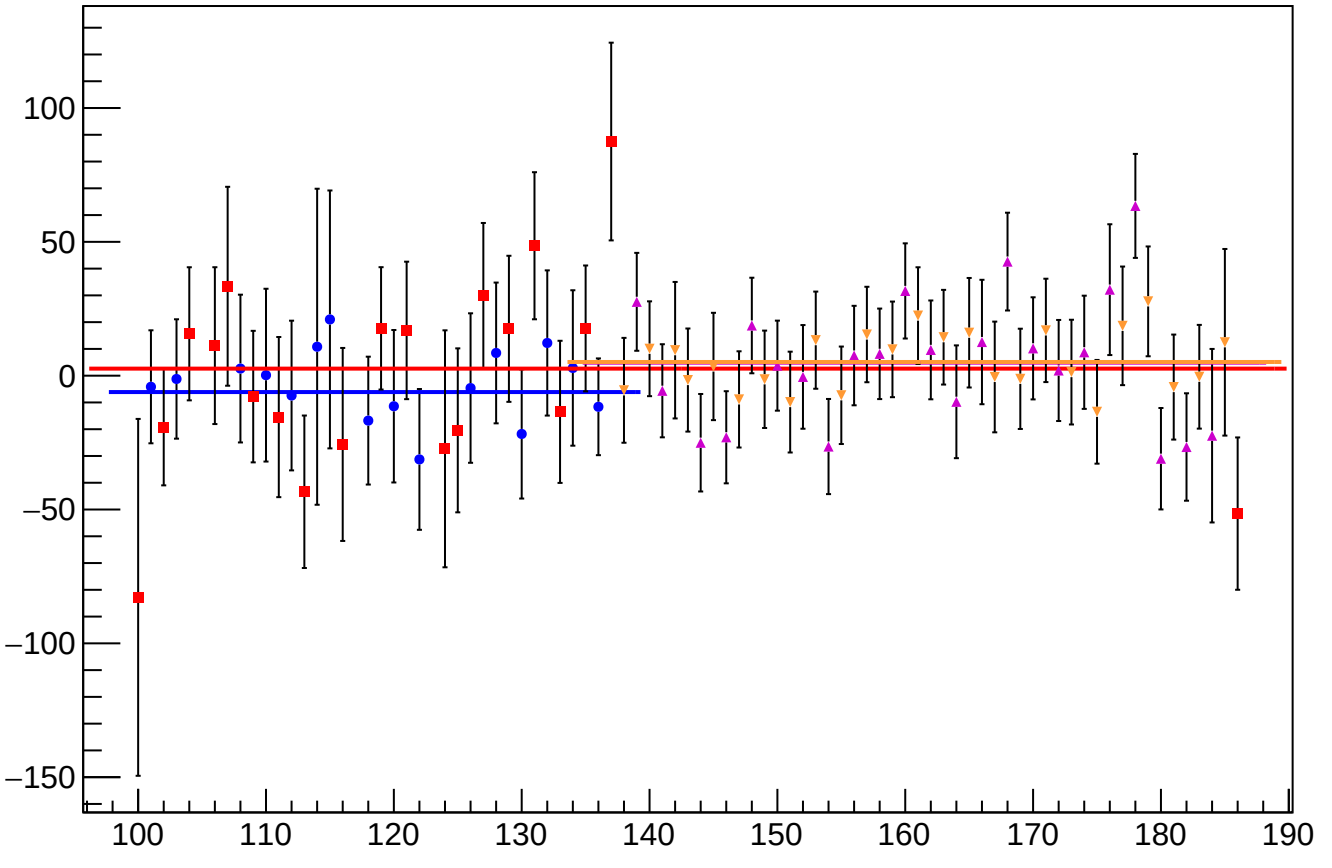
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 183.631+/-0.036 χ^2/NDF: 3027405.2/35

In: 183.583+/-0.027 χ^2/NDF:2732536.7/38

Out: 190.308+/-0.027 χ^2/NDF:3841165.7/44

All: 186.920+/-0.019 χ^2/NDF: 6604624.6/83



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

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

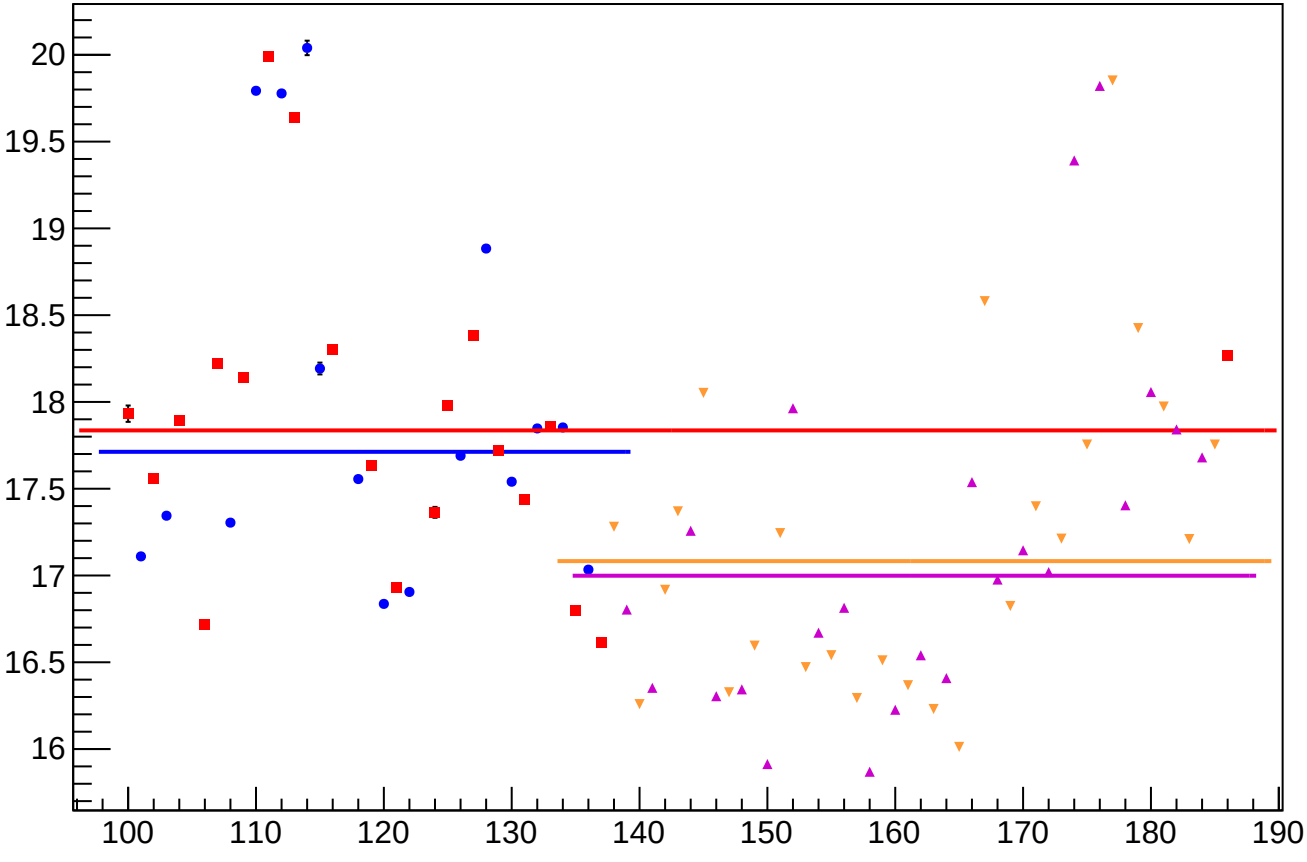
Right: -1.574+/-4.572 χ^2/NDF: 27.0/35

In: 1.926+/-3.407 χ^2/NDF:40.7/38

Out: 4.441+/-3.316 χ^2/NDF:31.0/44

All: 3.217+/-2.377 χ^2/NDF: 72.0/83

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 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

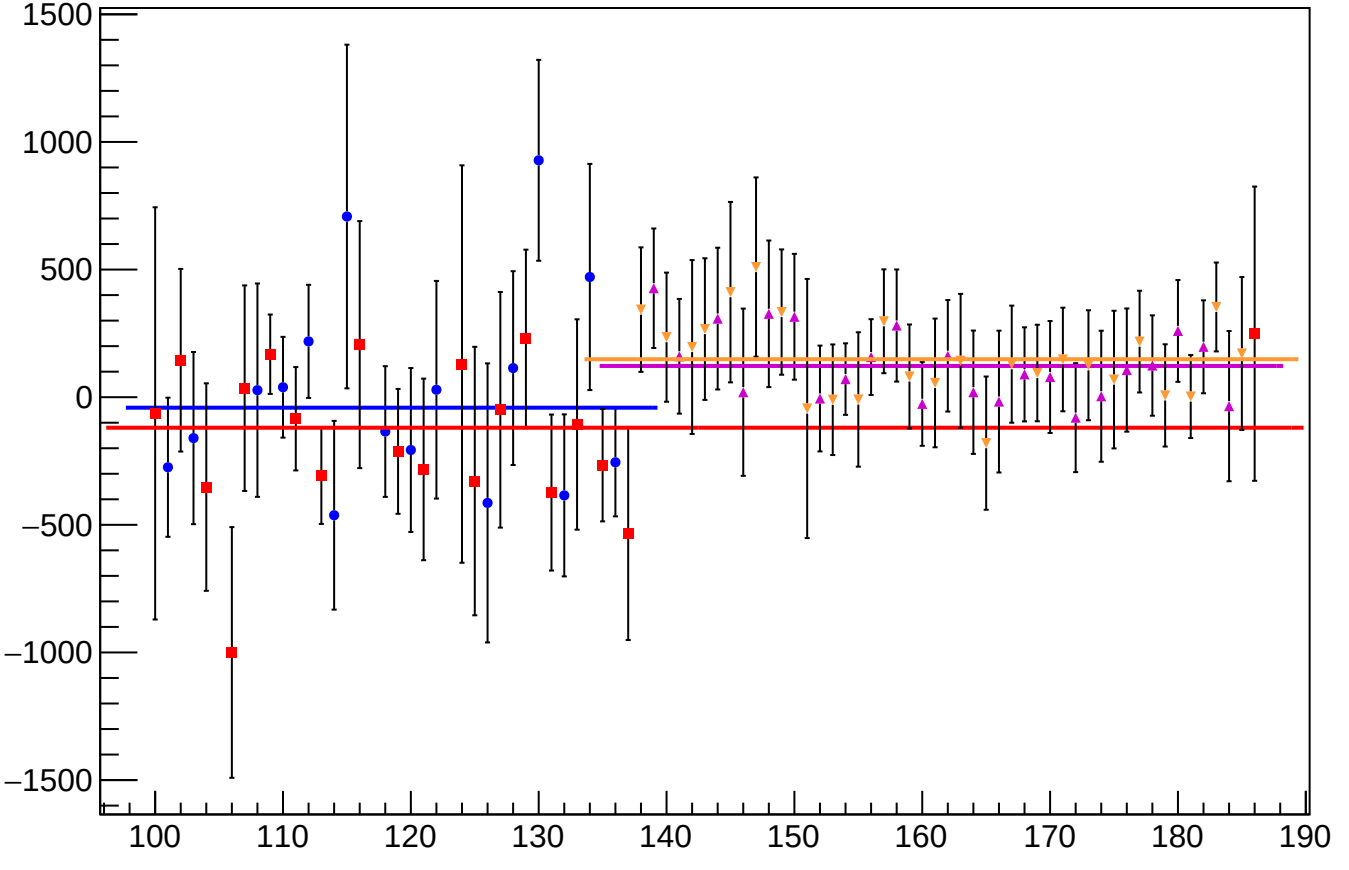
Right: 17.777+/-0.003 χ^2/NDF: 69549.3/35

In: 17.189+/-0.002 χ^2/NDF:157194.4/38

Out: 17.289+/-0.002 χ^2/NDF:150453.2/44

All: 17.240+/-0.002 χ^2/NDF: 308517.8/83

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 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

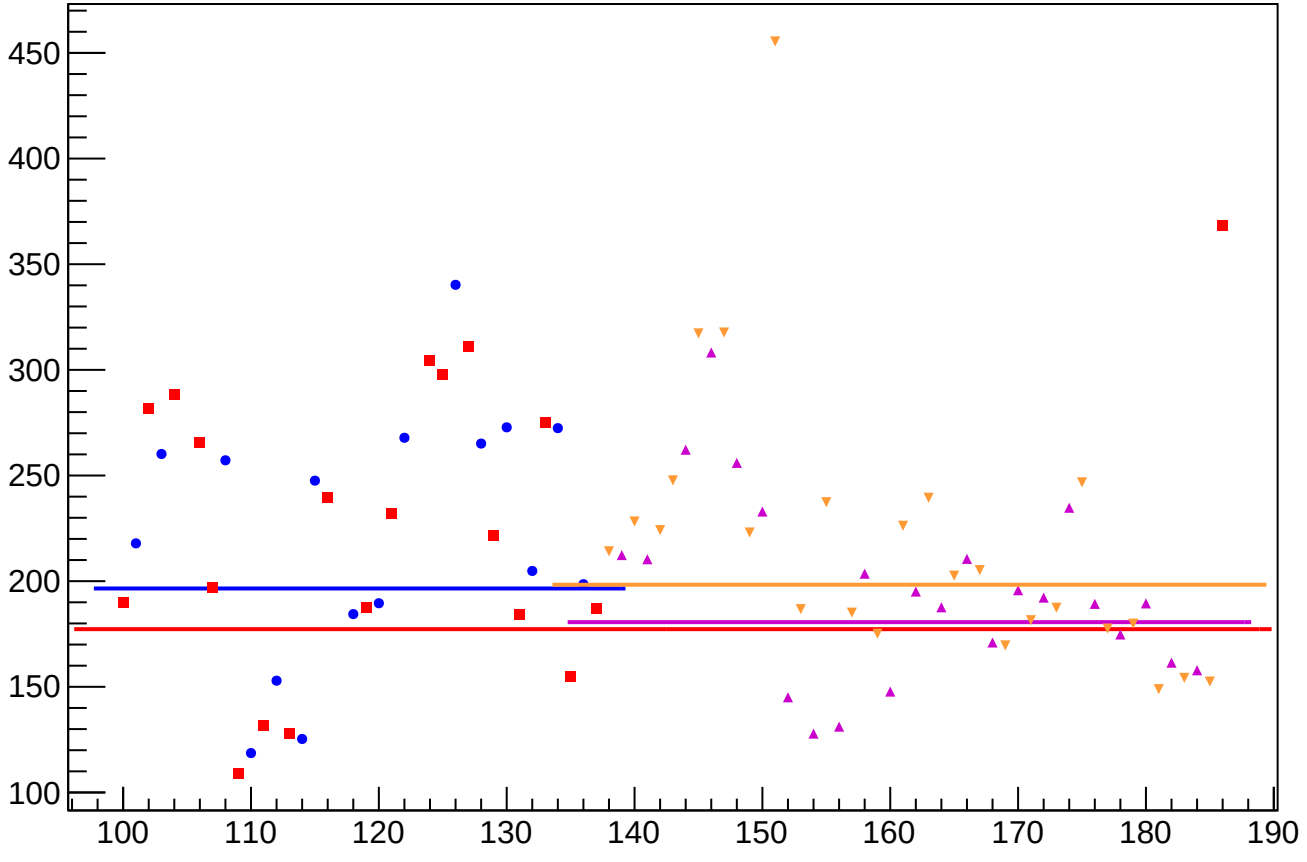
Right: -84.918+/-51.269 χ^2/NDF: 29.5/35

In: 82.130+/-38.273 χ^2/NDF:26.9/38

Out: 63.777+/-38.615 χ^2/NDF:33.3/44

All: 73.035+/-27.183 χ^2/NDF: 60.3/83

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 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

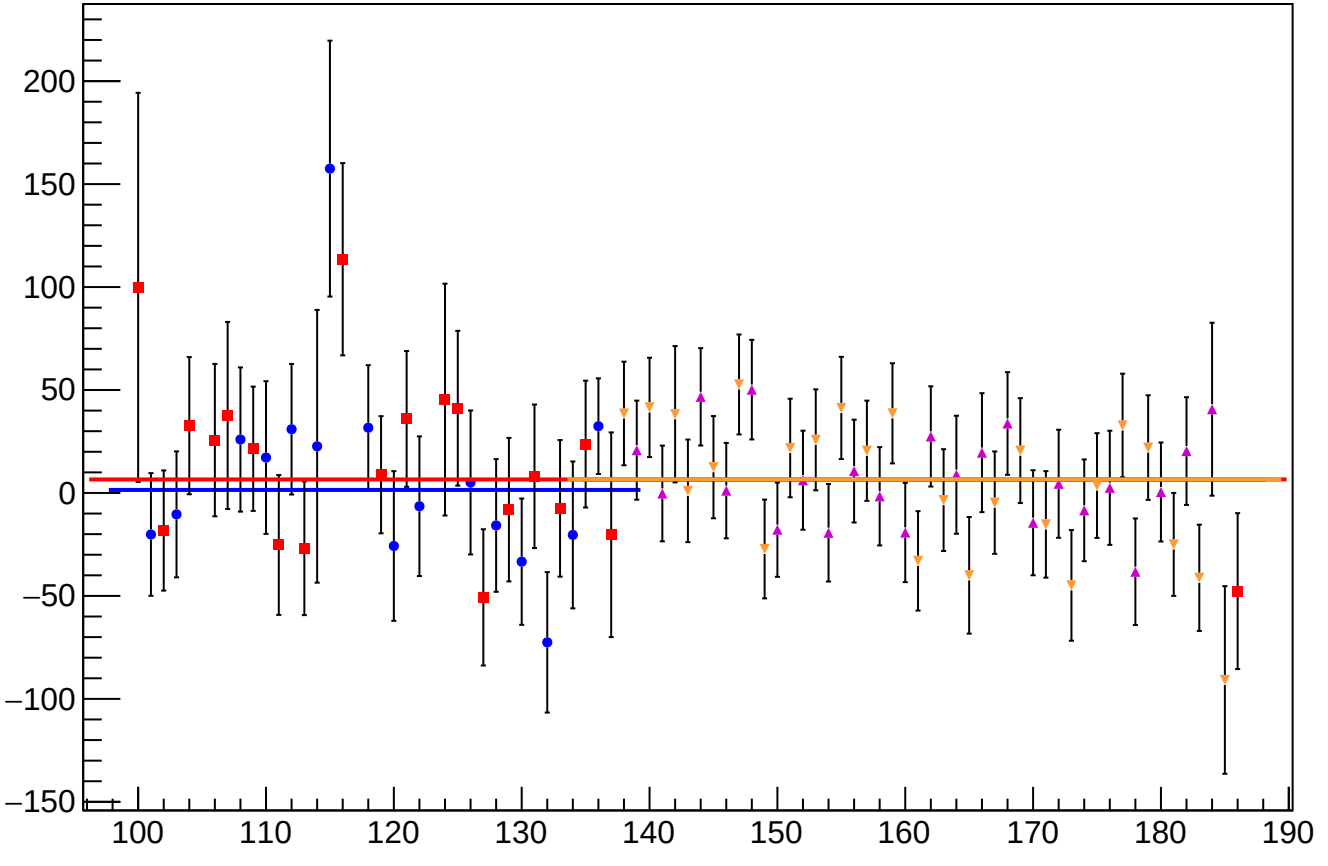
Right: 185.794+/-0.036 χ^2/NDF: 2882444.1/35

In: 184.525+/-0.027 χ^2/NDF:2693226.3/38

Out: 191.655+/-0.027 χ^2/NDF:3730692.9/44

All: 188.059+/-0.019 χ^2/NDF: 6458312.8/83

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 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

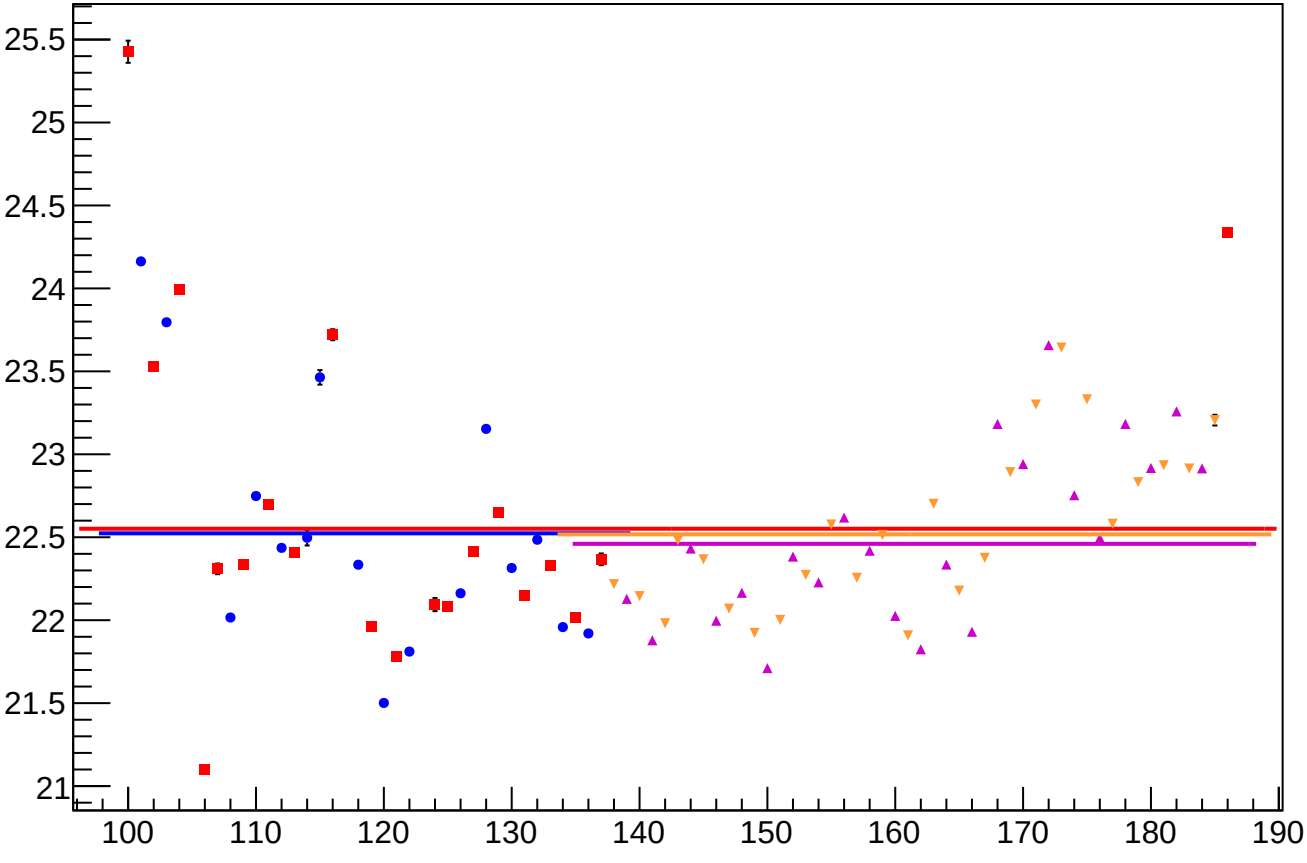
Right: 4.134+/-5.788 χ^2/NDF: 37.5/35

In: 5.070+/-4.445 χ^2/NDF:36.4/38

Out: 6.599+/-4.313 χ^2/NDF:55.5/44

All: 5.858+/-3.095 χ^2/NDF: 91.9/83

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.517+/-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

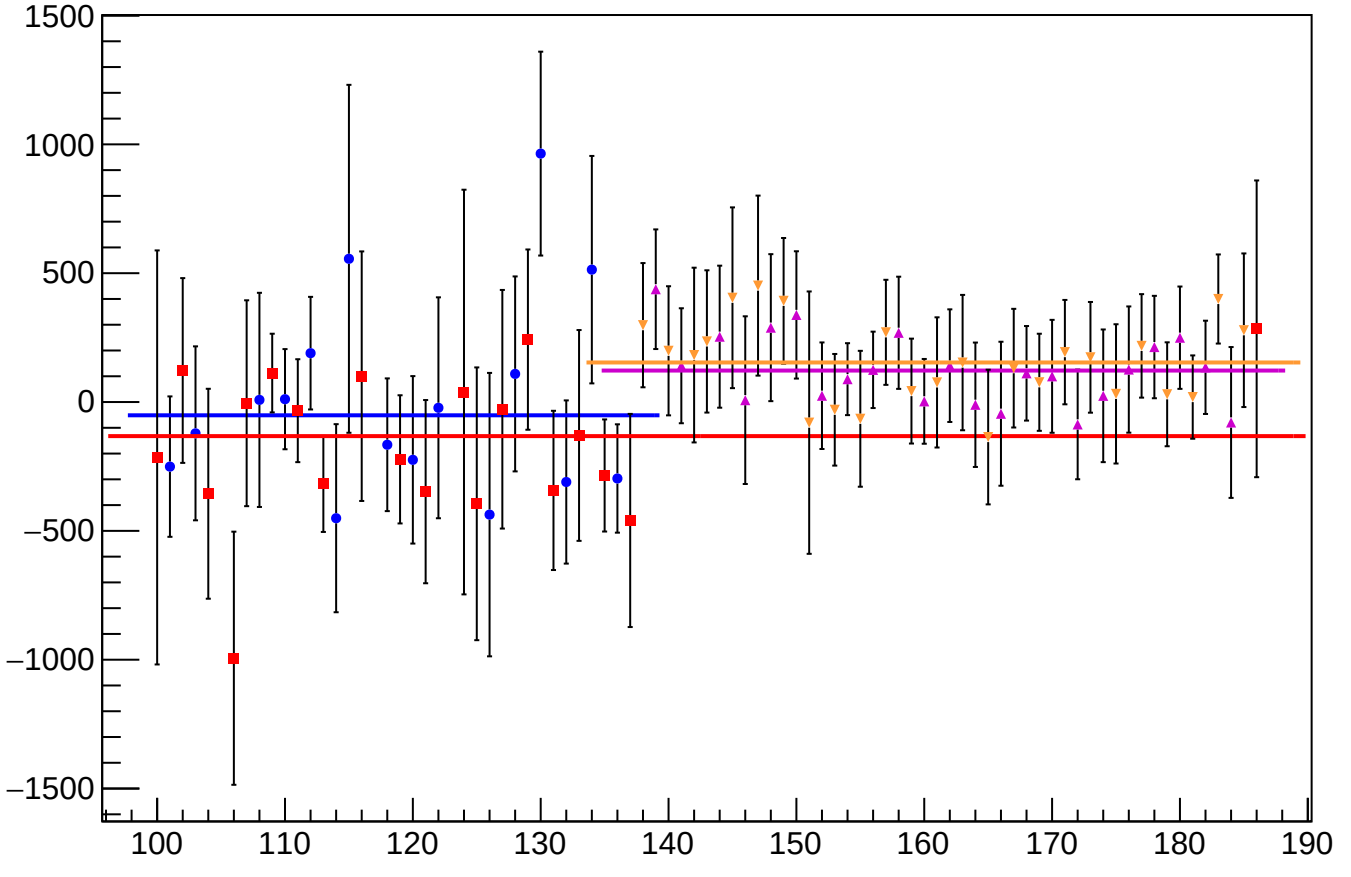
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.538+/-0.004 χ^2/NDF: 36246.3/35

In: 22.478+/-0.003 χ^2/NDF:35147.2/38

Out: 22.527+/-0.003 χ^2/NDF:36315.0/44

All: 22.503+/-0.002 χ^2/NDF: 71588.1/83



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

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

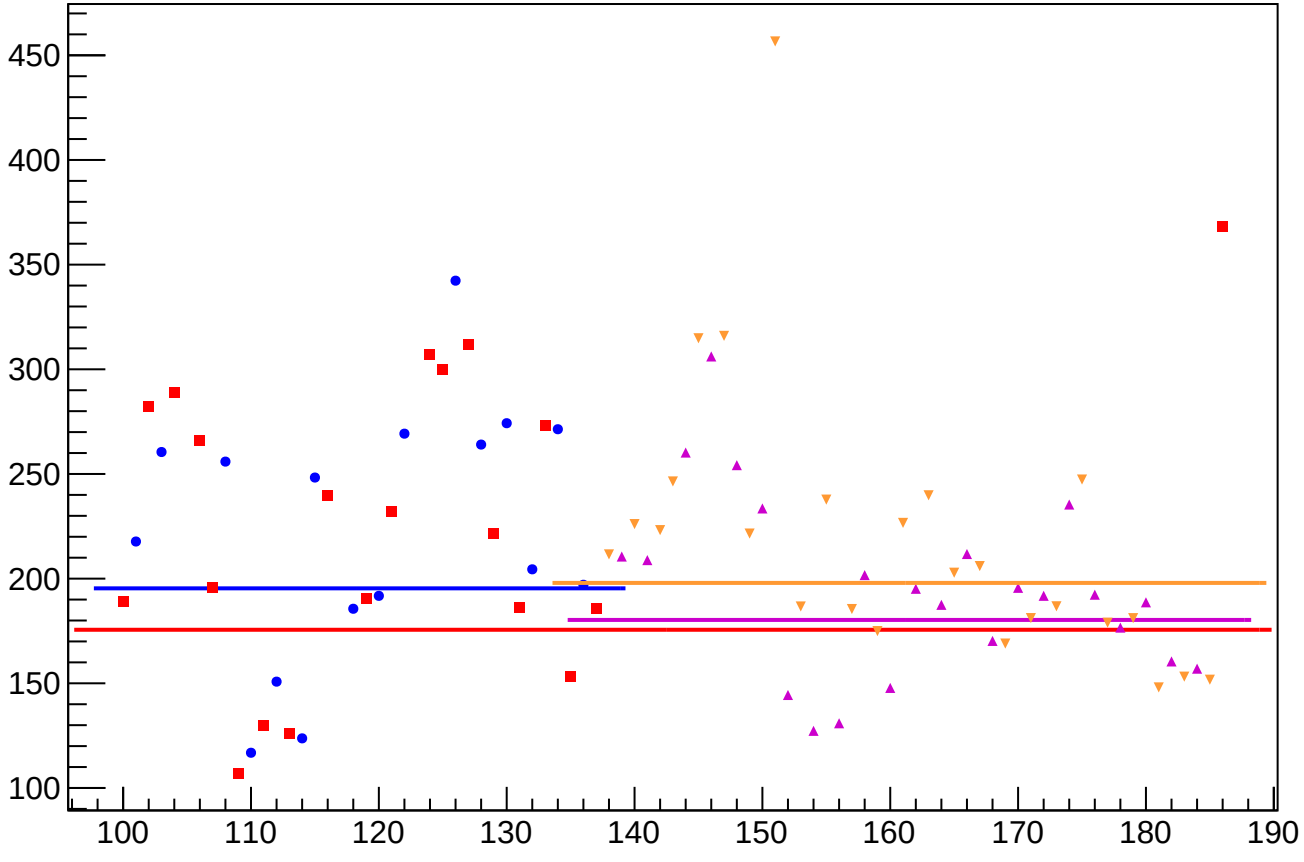
Right: -96.687+/-50.971 χ^2/NDF: 28.1/35

In: 79.240+/-38.182 χ^2/NDF:26.7/38

Out: 62.350+/-38.486 χ^2/NDF:34.2/44

All: 70.862+/-27.105 χ^2/NDF: 60.9/83

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 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

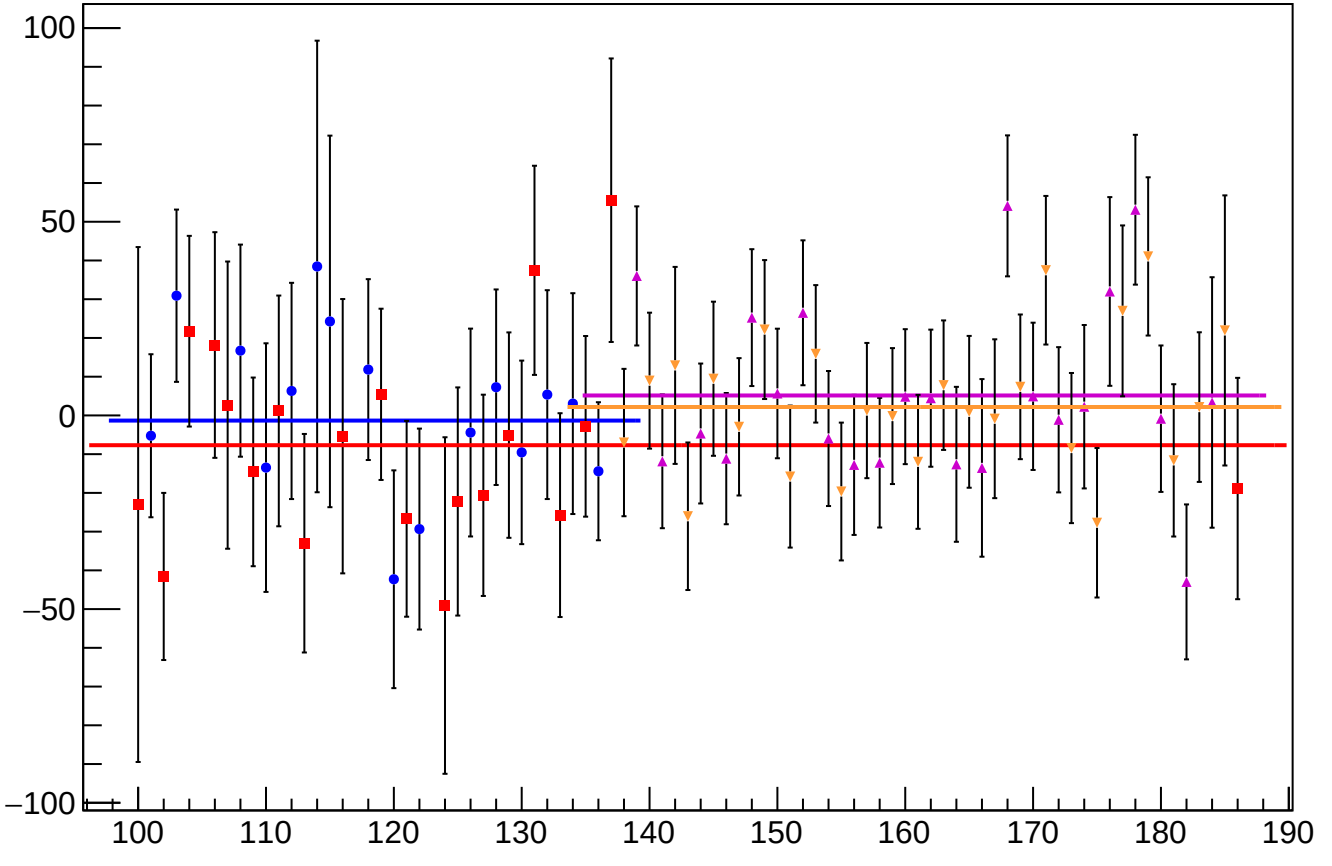
Right: 184.291+/-0.036 χ^2/NDF: 3002447.5/35

In: 184.003+/-0.027 χ^2/NDF:2724218.6/38

Out: 190.818+/-0.027 χ^2/NDF:3825041.2/44

All: 187.384+/-0.019 χ^2/NDF: 6580857.7/83

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.174+/-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

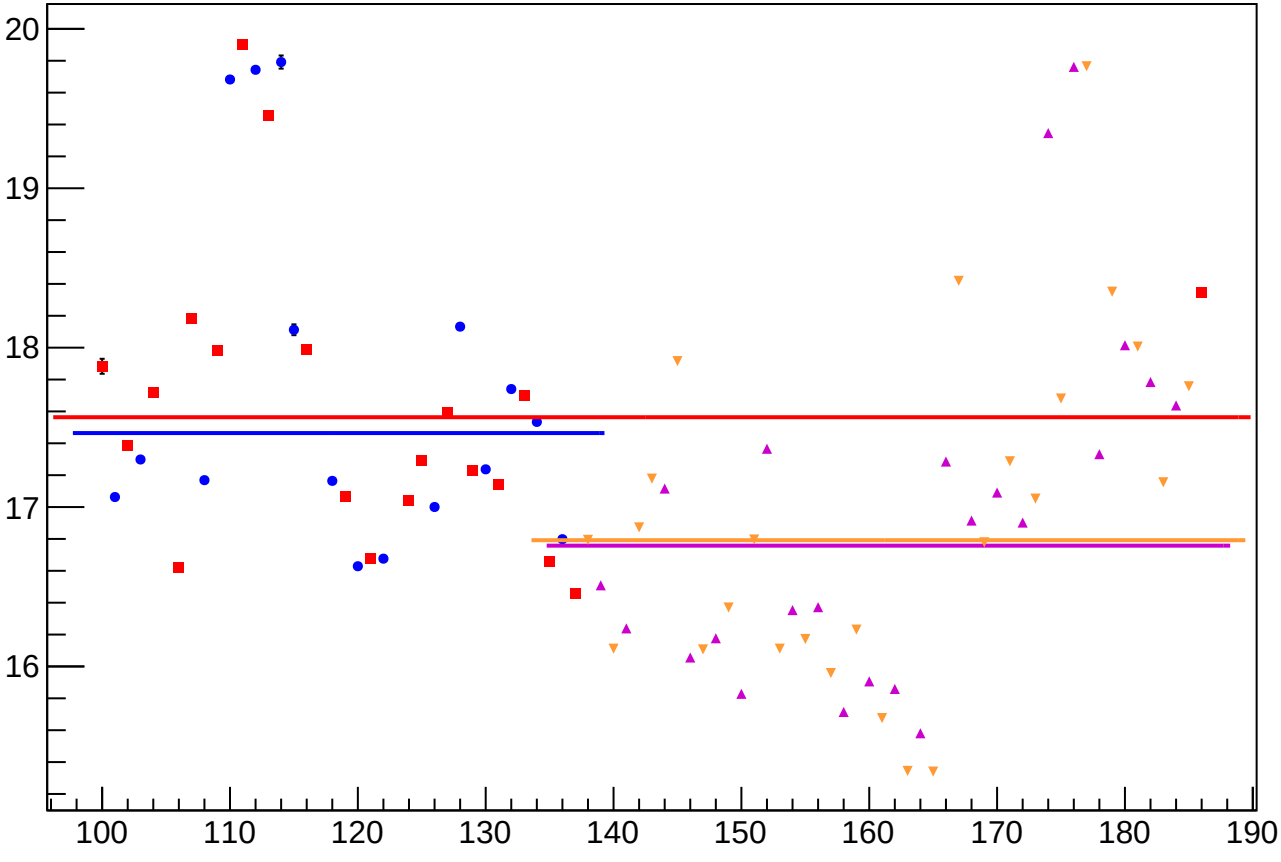
Right: -4.635+/-4.504 χ^2/NDF: 23.1/35

In: 3.419+/-3.359 χ^2/NDF:41.0/38

Out: -0.515+/-3.262 χ^2/NDF:36.4/44

All: 1.394+/-2.340 χ^2/NDF: 78.1/83

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.792+/-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

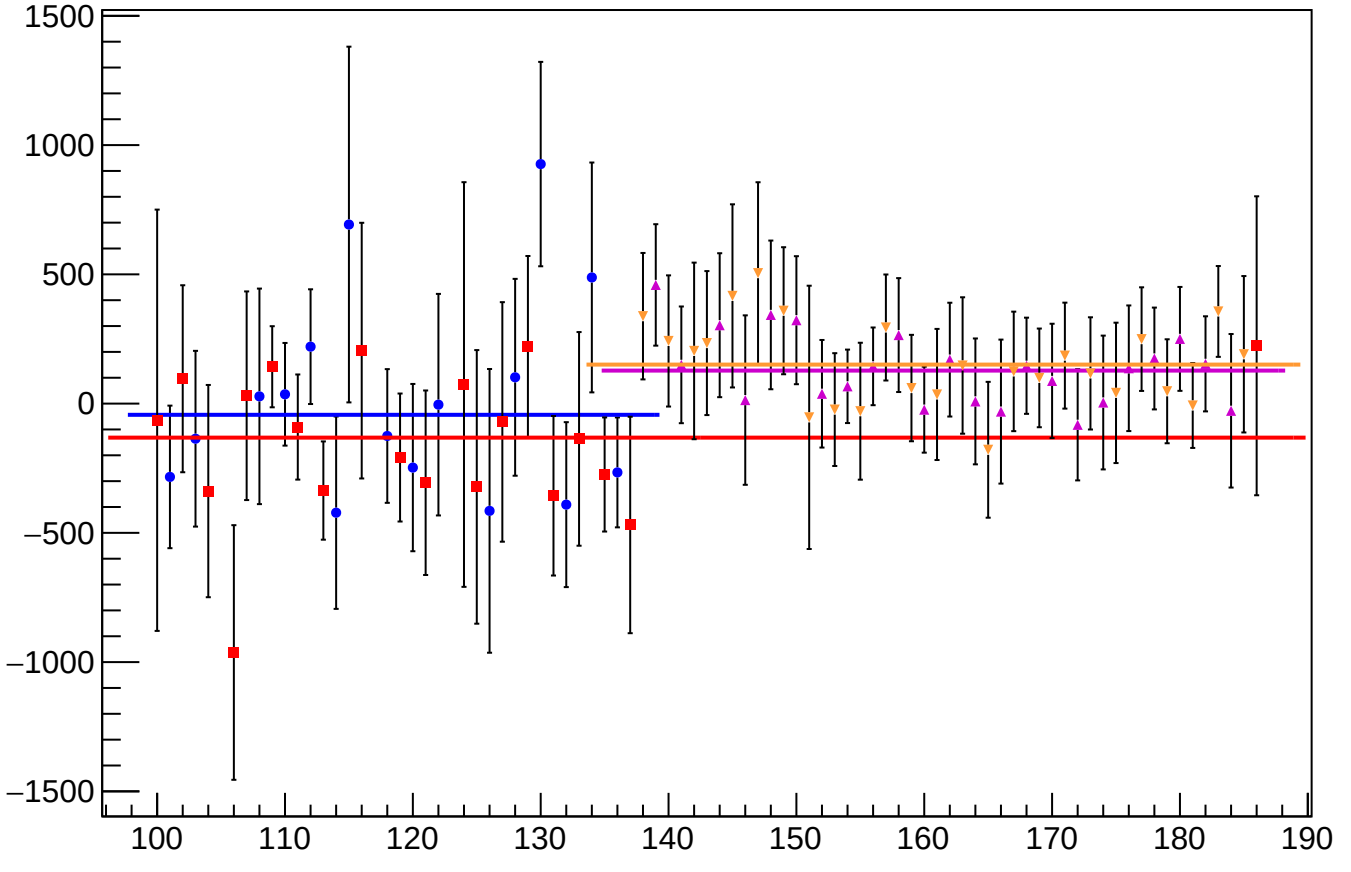
Right: 17.516+/-0.003 χ^2/NDF: 73193.3/35

In: 16.947+/-0.002 χ^2/NDF:177273.1/38

Out: 17.002+/-0.002 χ^2/NDF:195492.8/44

All: 16.975+/-0.002 χ^2/NDF: 373050.3/83

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 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

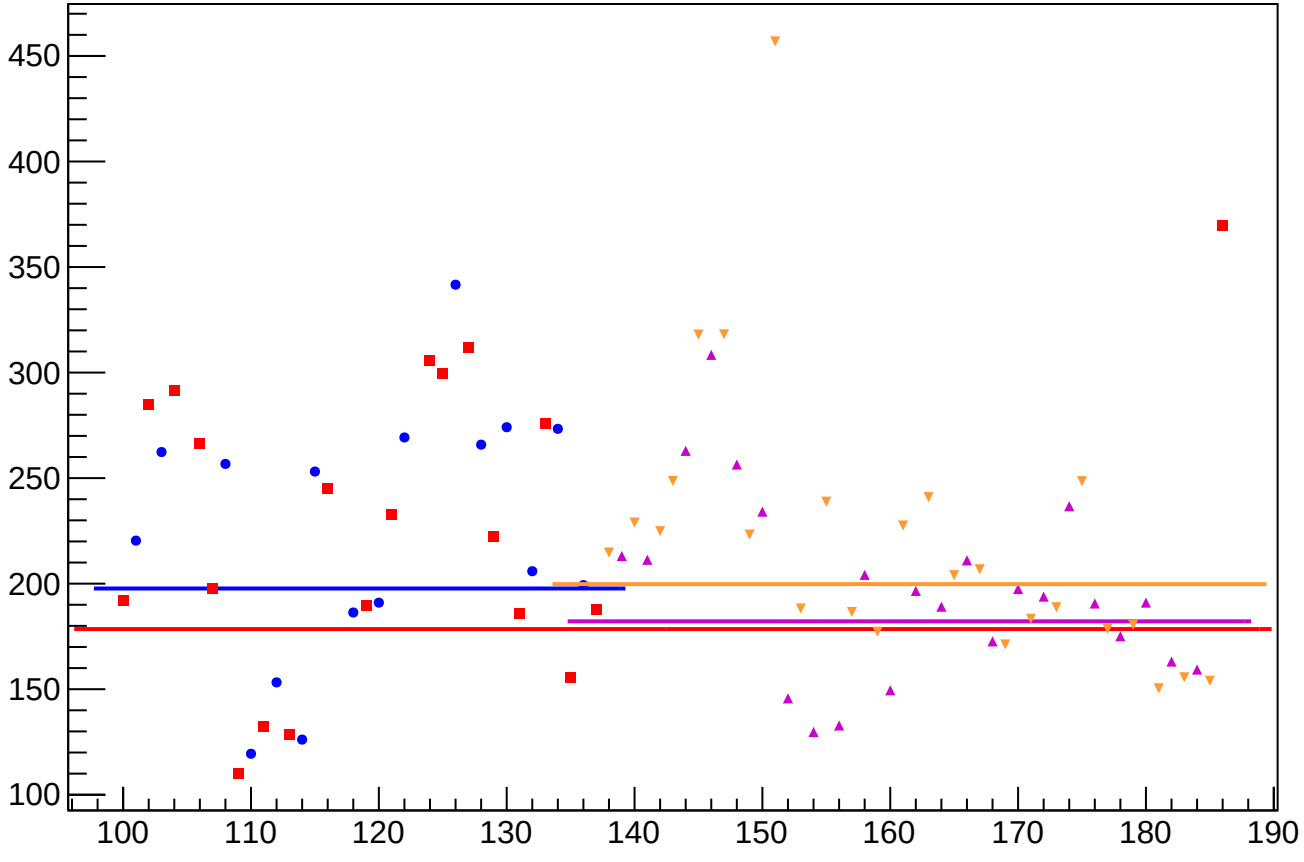
Right: -92.624+/-51.584 χ^2/NDF: 28.1/35

In: 85.462+/-38.553 χ^2/NDF:27.0/38

Out: 61.358+/-38.875 χ^2/NDF:33.3/44

All: 73.510+/-27.374 χ^2/NDF: 60.5/83

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 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

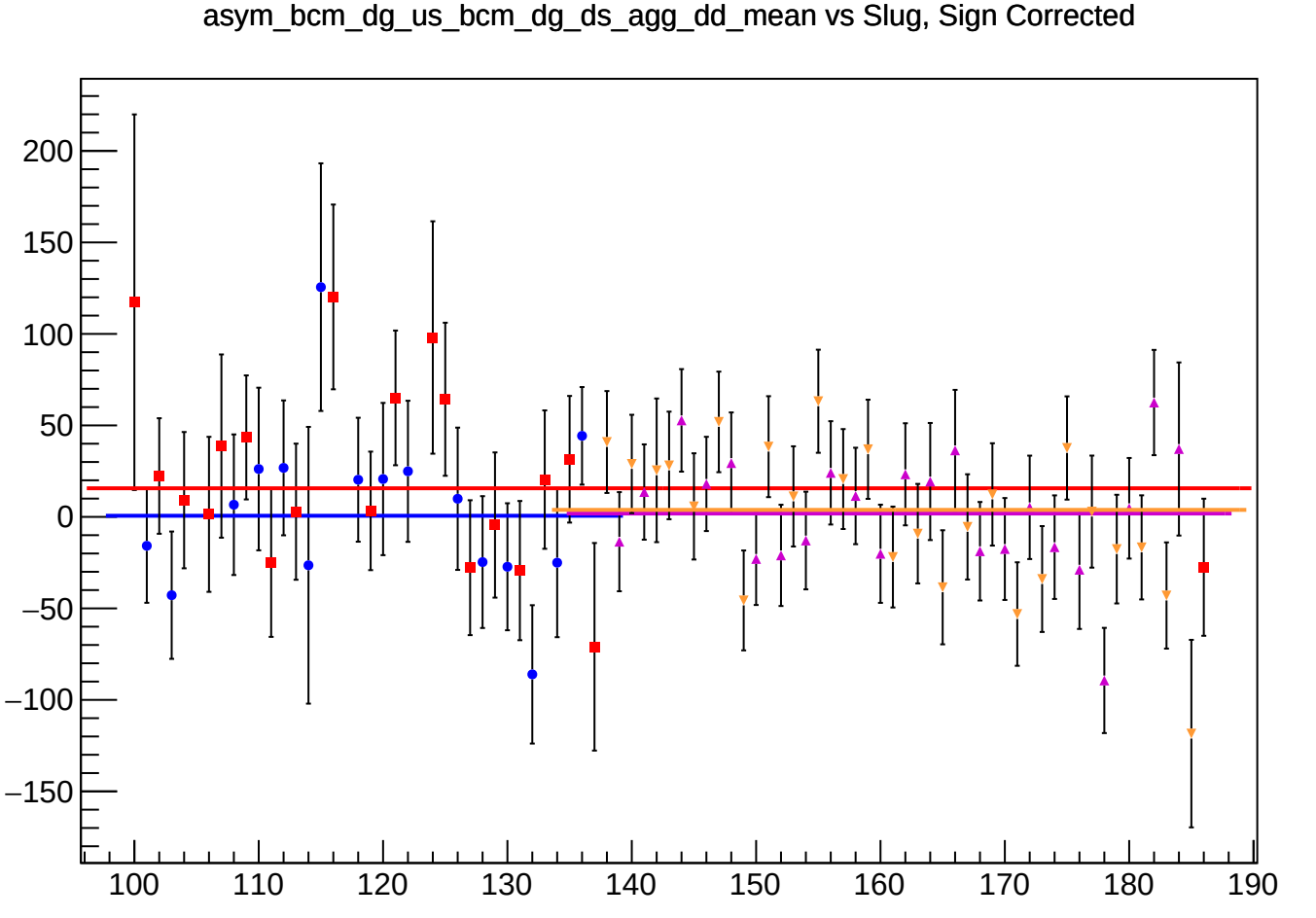
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 186.983+/-0.036 χ^2/NDF: 2881716.1/35

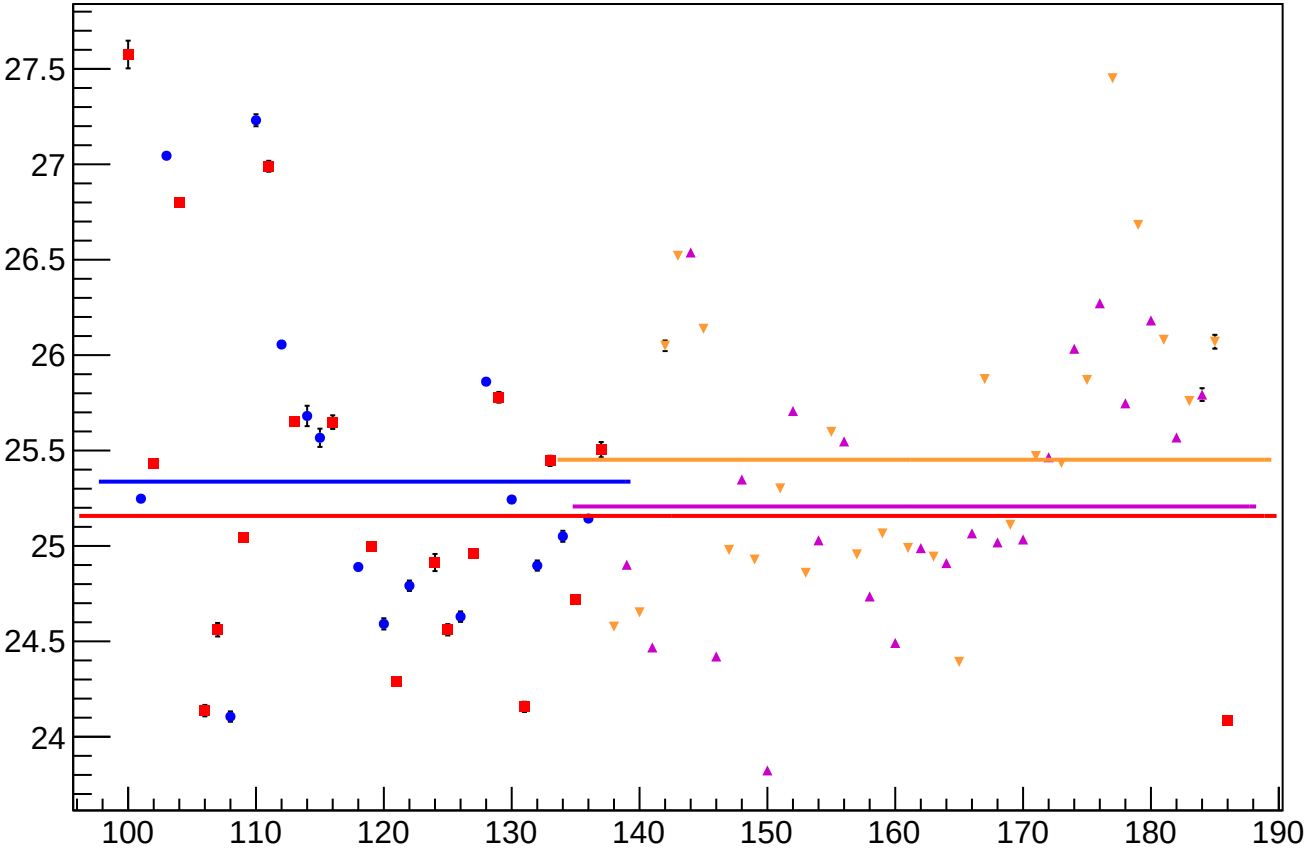
In: 185.992+/-0.027 χ^2/NDF:2645242.4/38

Out: 193.035+/-0.027 χ^2/NDF:3703184.8/44

All: 189.484+/-0.019 χ^2/NDF: 6381529.6/83


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 3.831+/-5.789 χ²/NDF:37.6/24
Right Out: 15.640+/-8.942 χ²/NDF: 19.4/19
Left In: 1.850+/-5.893 χ²/NDF:28.1/22
Left: 2.858+/-4.130 χ²/NDF: 65.7/47
Right: 8.521+/-6.486 χ²/NDF: 37.5/35
In: 1.504+/-4.996 χ²/NDF:44.8/38
Out: 7.318+/-4.859 χ²/NDF:58.2/44
All: 4.492+/-3.484 χ²/NDF: 103.8/83

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 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

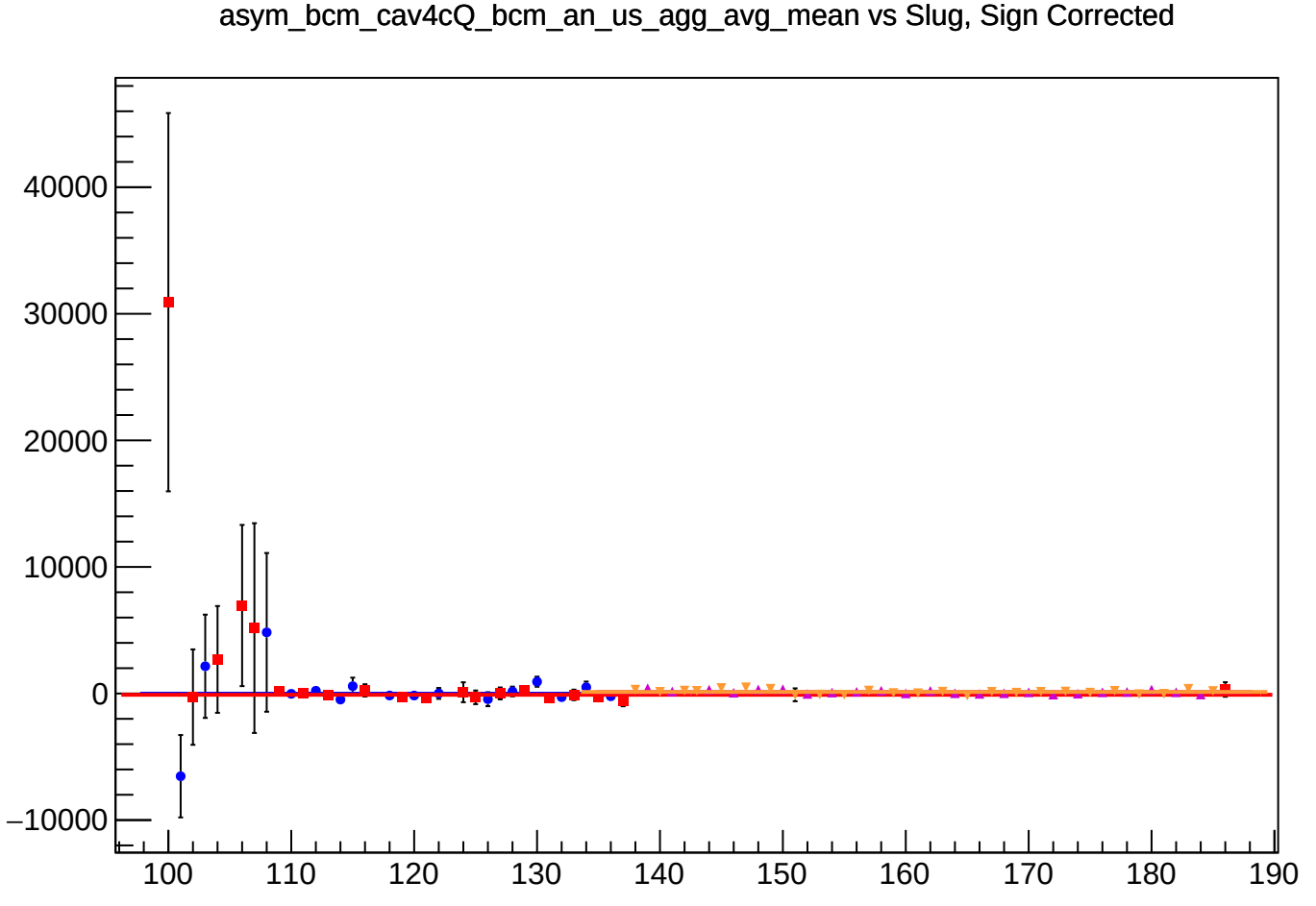
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 25.243+/-0.005 χ^2/NDF: 31658.6/35

In: 25.243+/-0.004 χ^2/NDF:40416.9/38

Out: 25.365+/-0.003 χ^2/NDF:48101.7/44

All: 25.306+/-0.002 χ^2/NDF: 89125.6/83



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

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

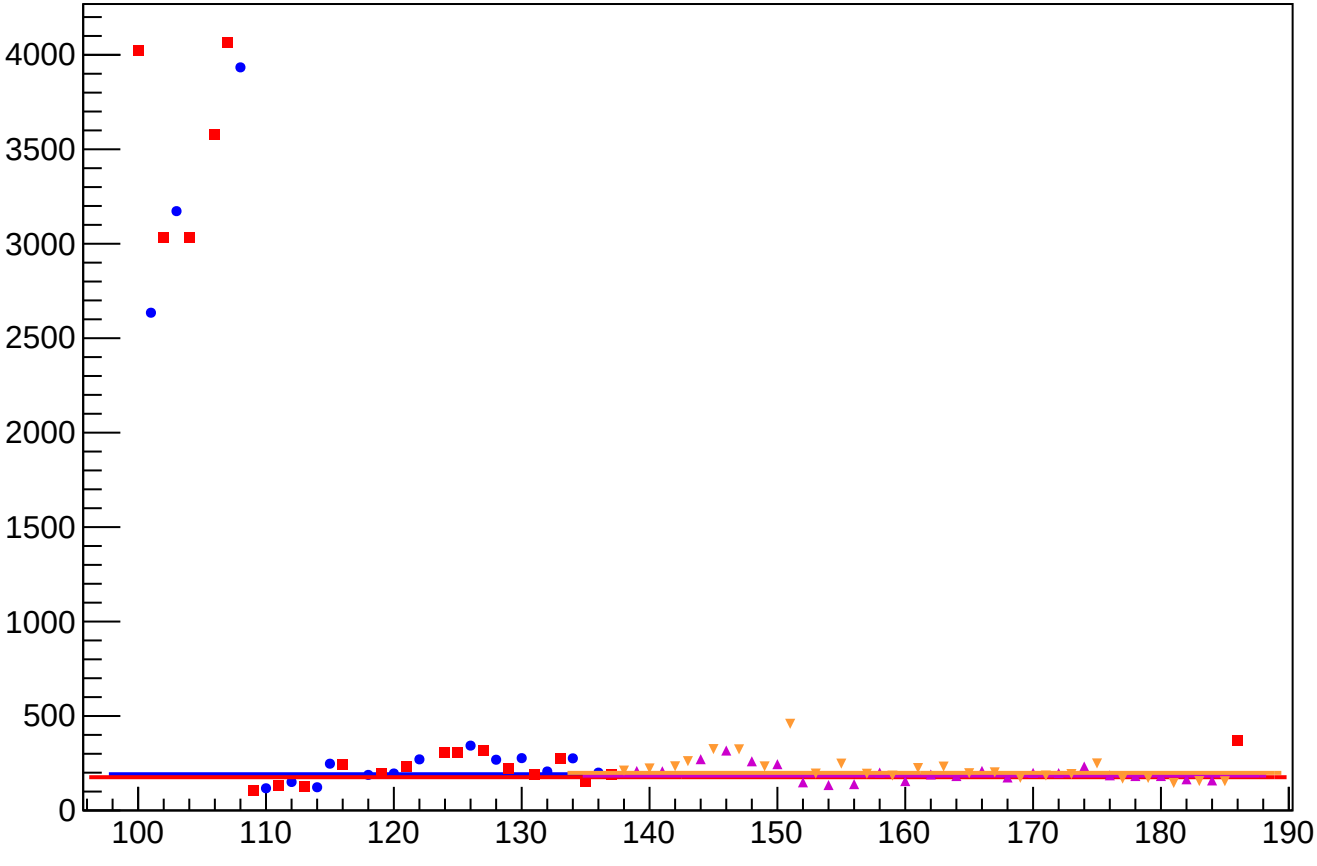
Right: -62.130+/-57.132 χ^2/NDF: 33.4/35

In: 88.202+/-39.651 χ^2/NDF:28.2/38

Out: 64.335+/-40.125 χ^2/NDF:31.9/44

All: 76.410+/-28.204 χ^2/NDF: 60.3/83

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 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

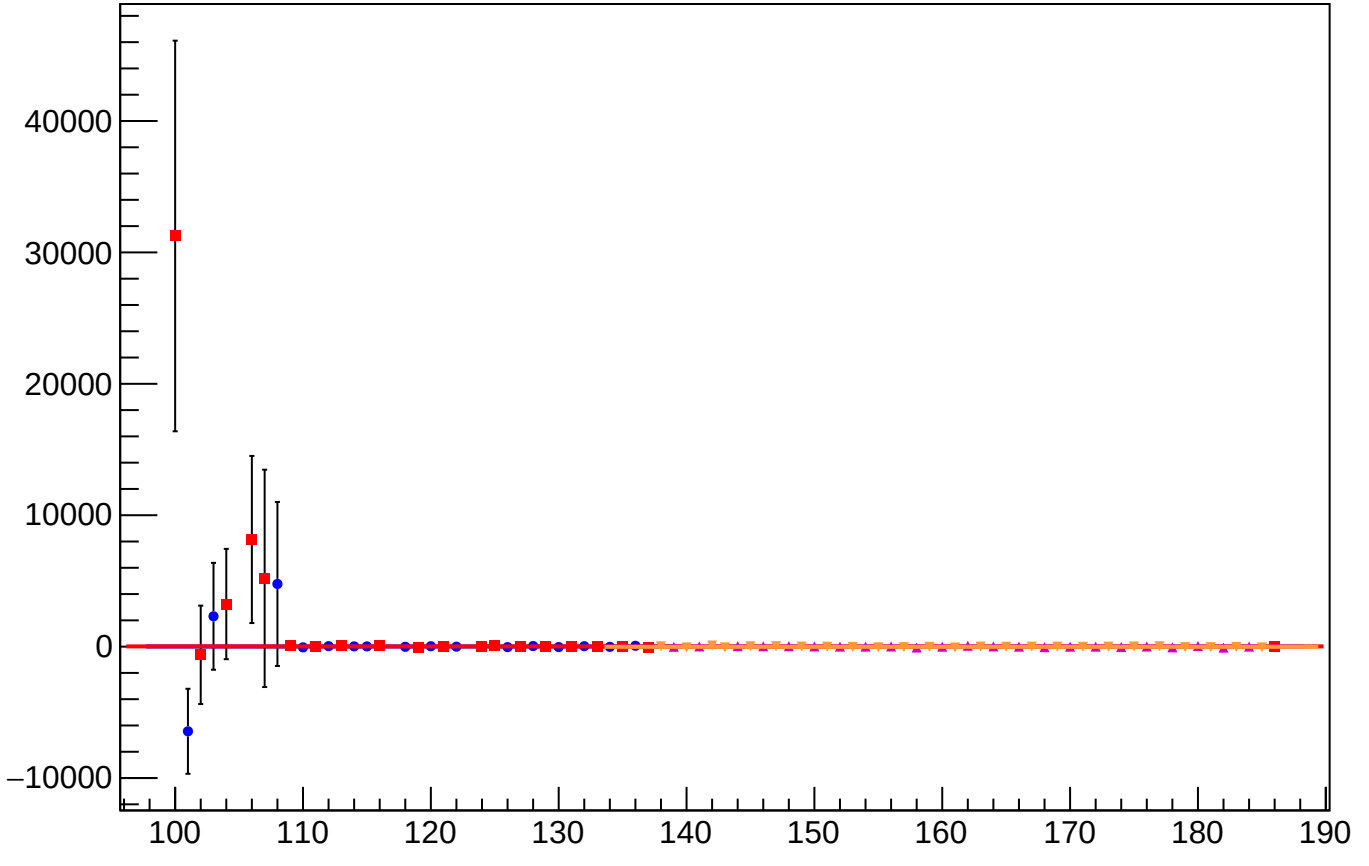
Right: 183.159+/-0.040 χ^2/NDF: 8389009.3/35

In: 186.007+/-0.028 χ^2/NDF:5279828.1/38

Out: 192.812+/-0.028 χ^2/NDF:6560840.9/44

All: 189.369+/-0.020 χ^2/NDF: 11869777.9/83

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -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

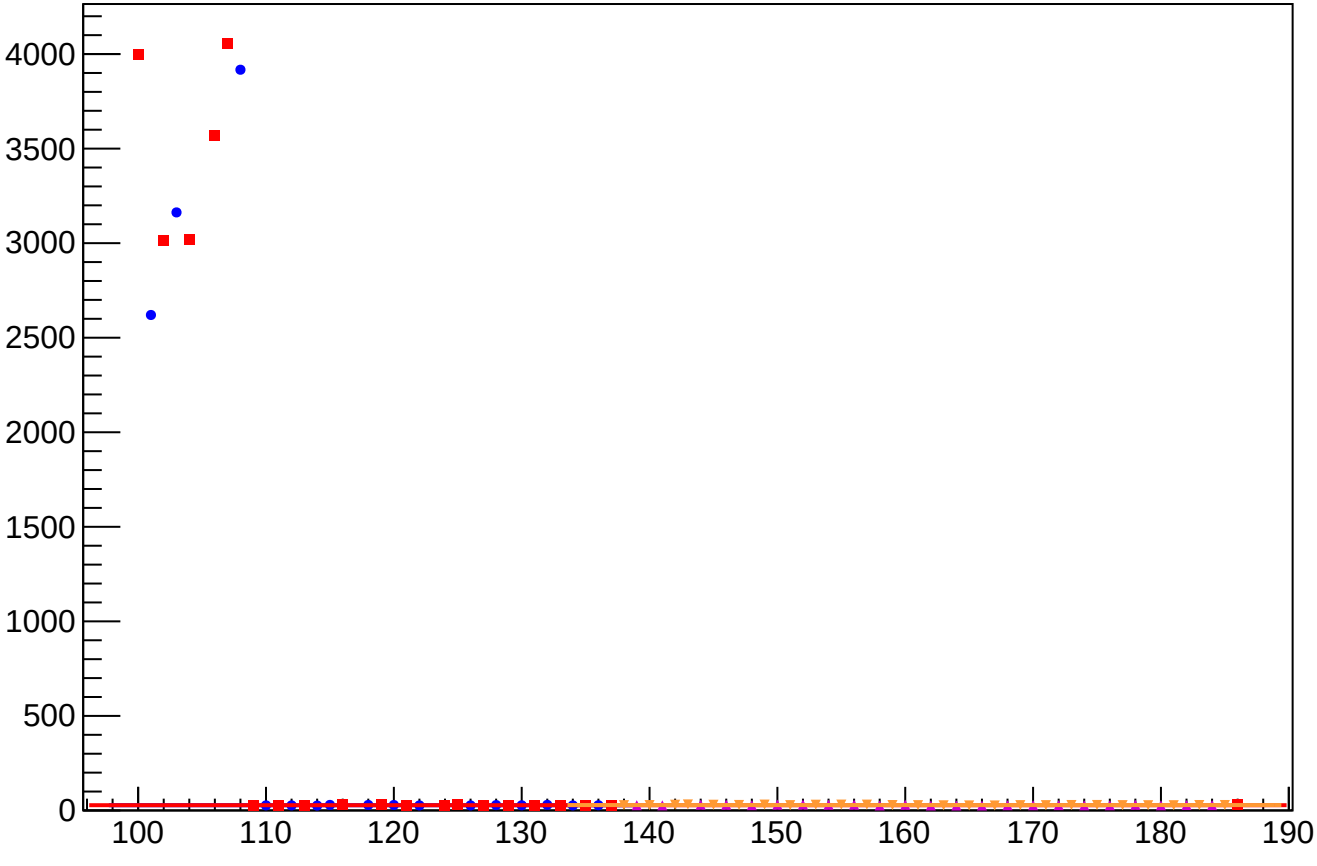
Right: 13.978+/-8.193 χ^2/NDF: 41.0/35

In: 4.006+/-5.815 χ^2/NDF:44.6/38

Out: -6.791+/-5.665 χ^2/NDF:53.3/44

All: -1.533+/-4.058 χ^2/NDF: 99.7/83

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.586+/-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

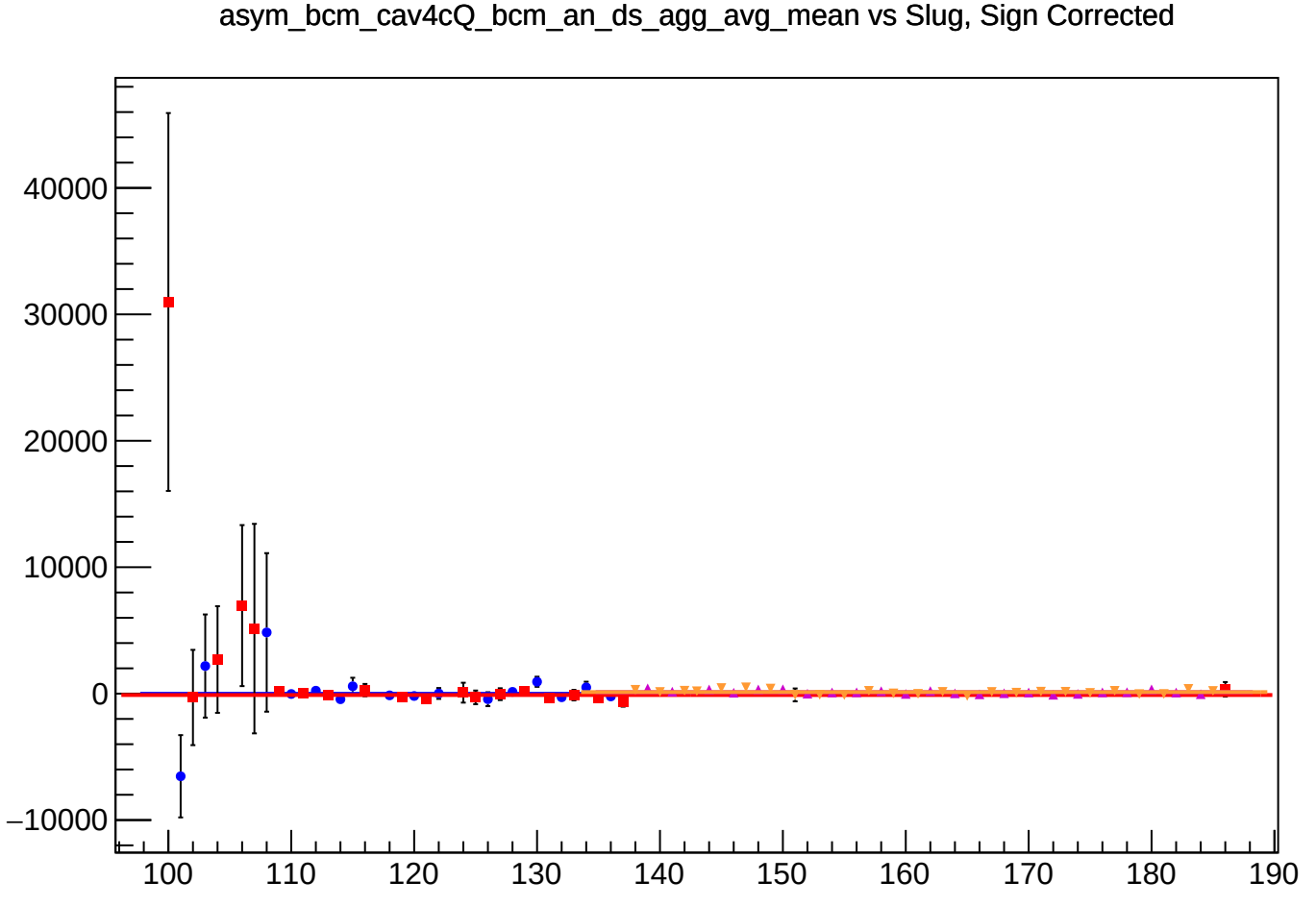
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.712+/-0.006 χ^2/NDF: 6837328.6/35

In: 28.367+/-0.004 χ^2/NDF:3398673.4/38

Out: 28.390+/-0.004 χ^2/NDF:3667259.4/44

All: 28.379+/-0.003 χ^2/NDF: 7065948.5/83



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

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

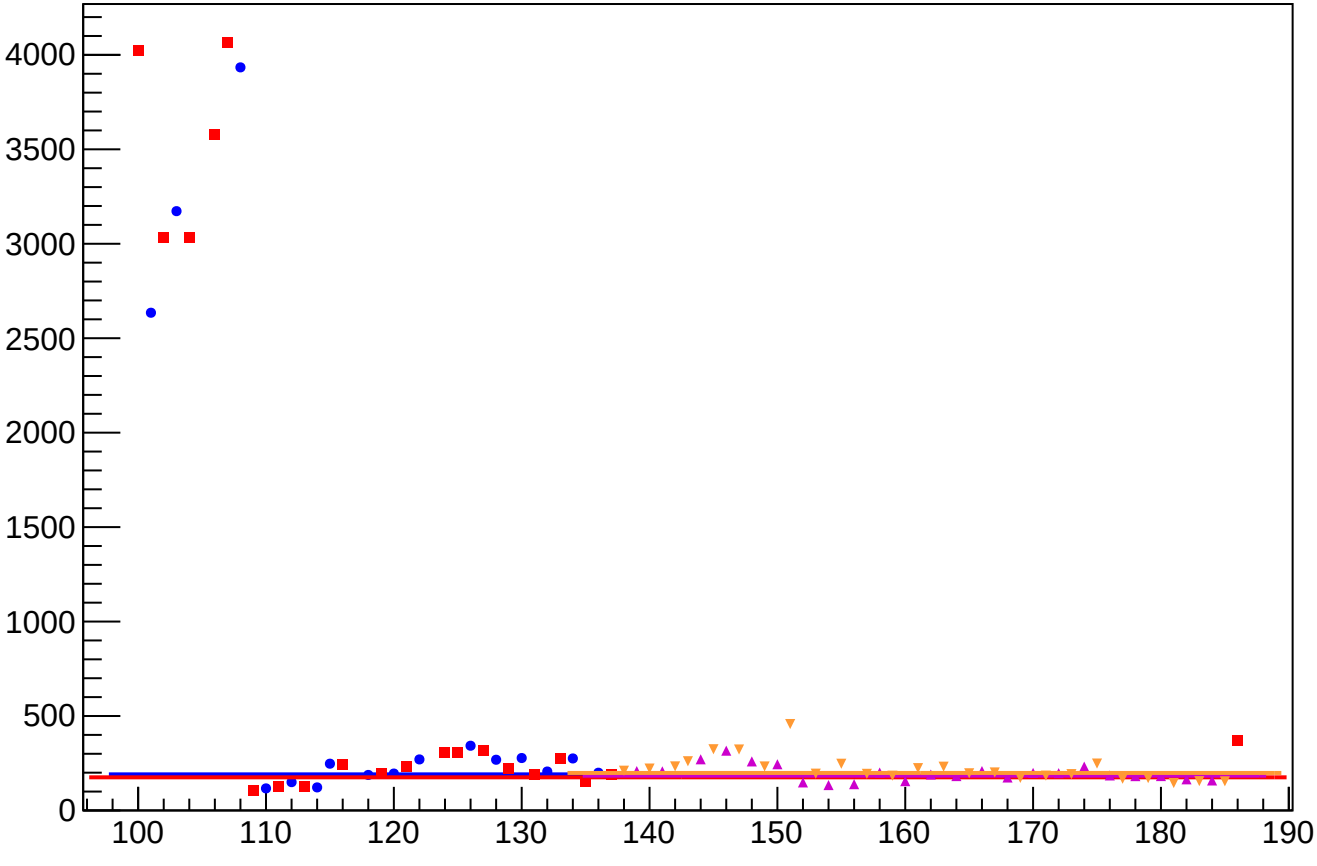
Right: -65.847+/-56.965 χ^2/NDF: 34.1/35

In: 87.840+/-39.567 χ^2/NDF:28.6/38

Out: 59.541+/-40.030 χ^2/NDF:33.6/44

All: 73.856+/-28.140 χ^2/NDF: 62.5/83

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 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

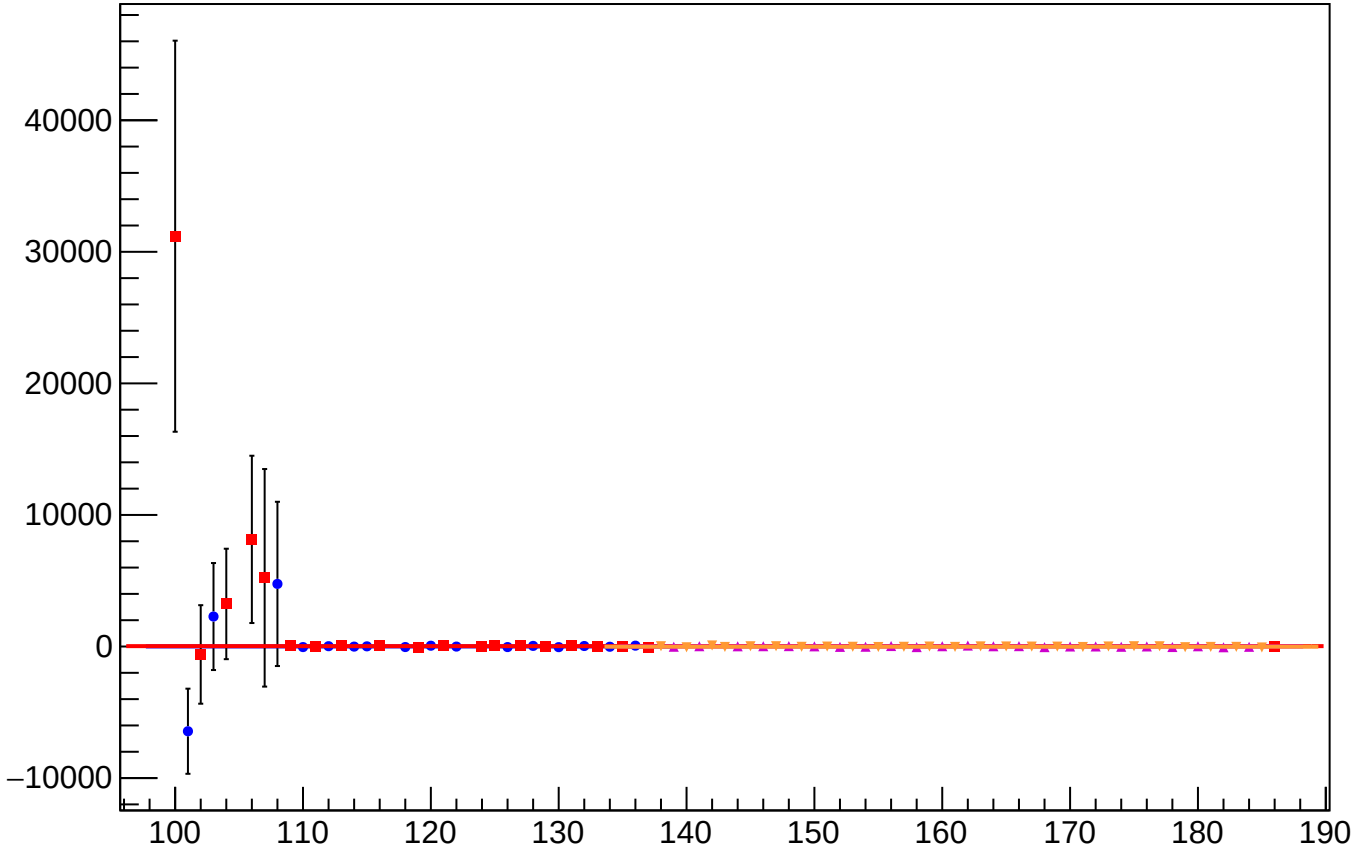
Right: 182.509+/-0.040 χ^2/NDF: 8414820.3/35

In: 185.591+/-0.028 χ^2/NDF:5290160.7/38

Out: 192.324+/-0.028 χ^2/NDF:6576903.0/44

All: 188.919+/-0.020 χ^2/NDF: 11895679.2/83

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -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

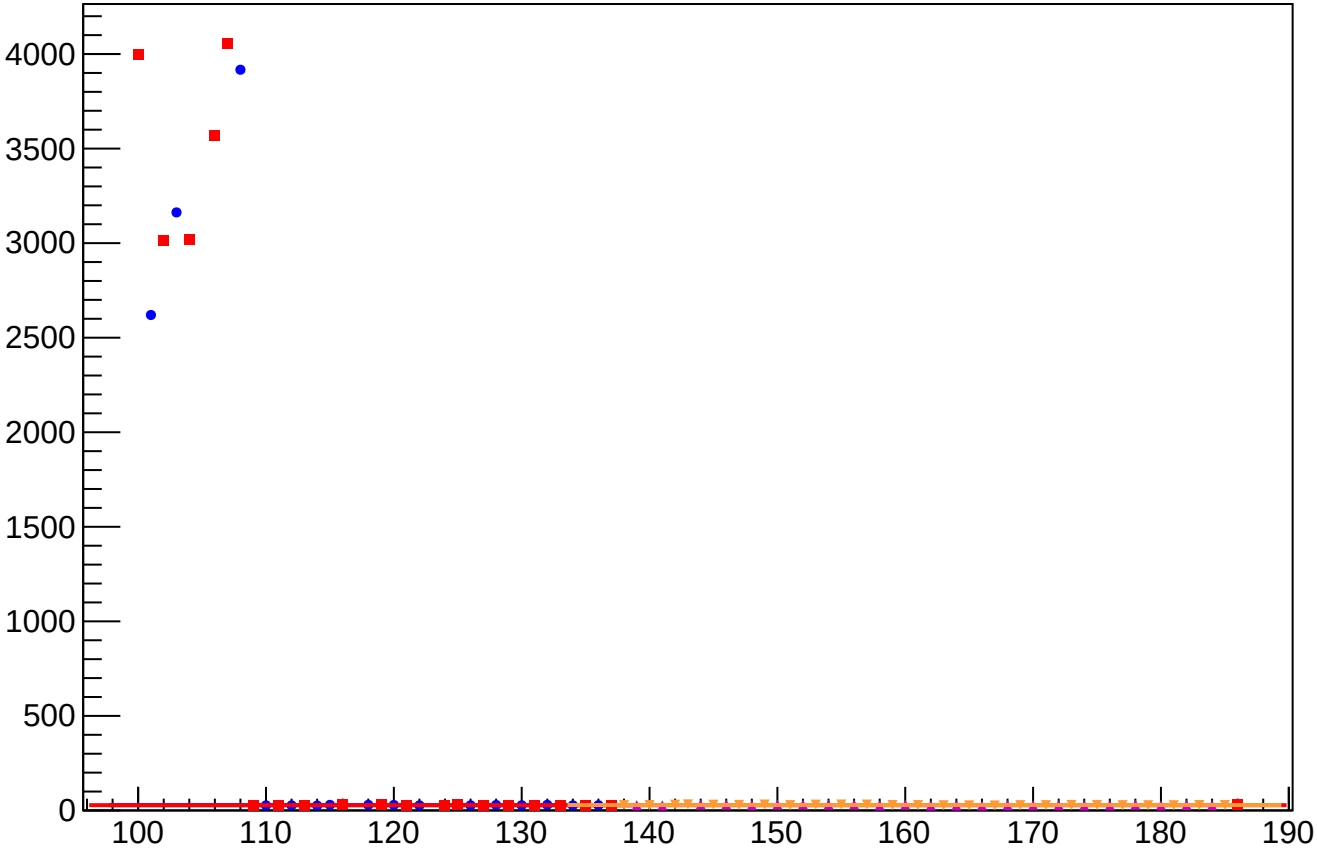
Right: 17.764+/-8.246 χ^2/NDF: 40.6/35

In: 3.542+/-5.843 χ^2/NDF:40.5/38

Out: -2.039+/-5.693 χ^2/NDF:47.7/44

All: 0.678+/-4.077 χ^2/NDF: 88.7/83

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.707+/-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

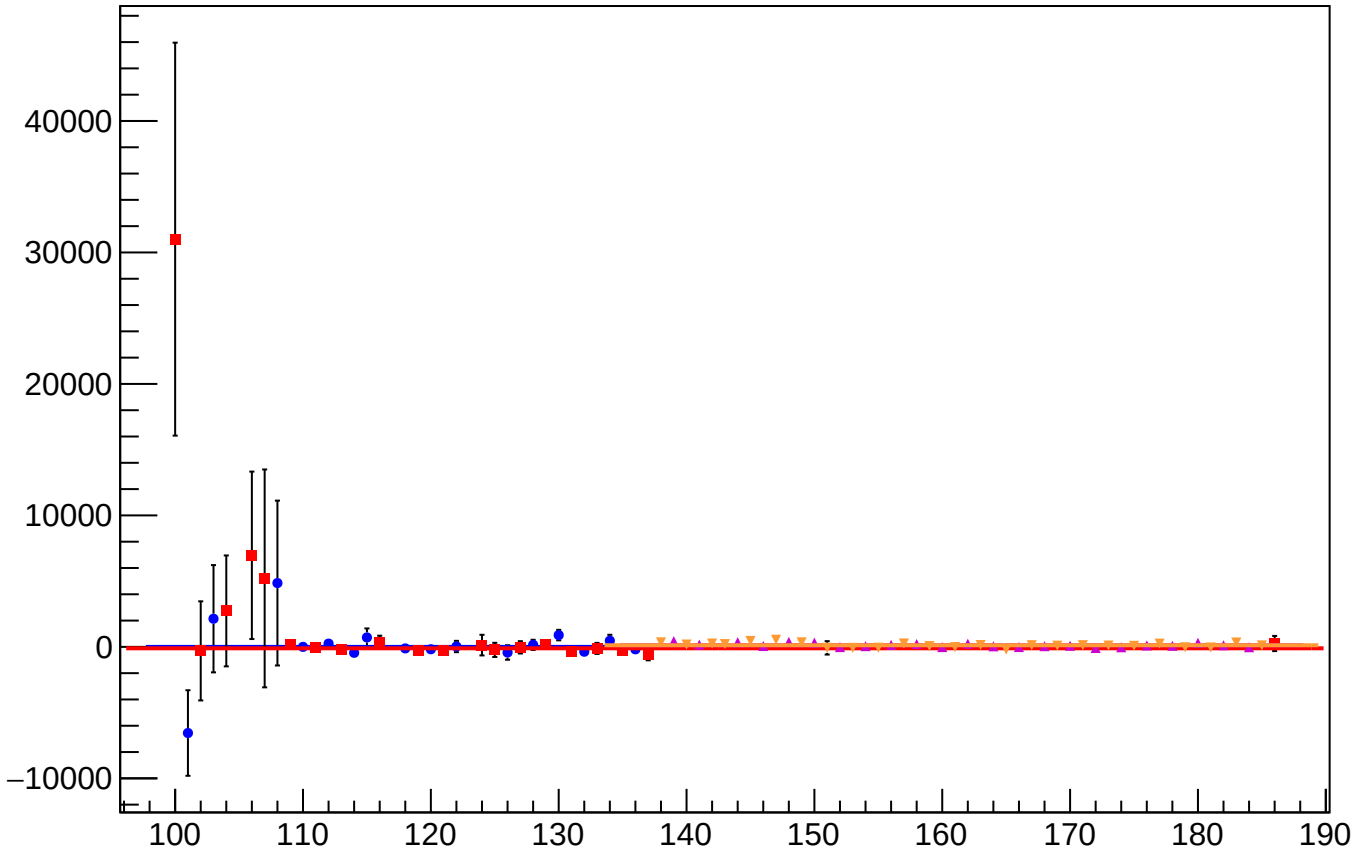
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.890+/-0.006 χ^2/NDF: 6834757.8/35

In: 28.505+/-0.004 χ^2/NDF:3402151.2/38

Out: 28.525+/-0.004 χ^2/NDF:3674041.2/44

All: 28.515+/-0.003 χ^2/NDF: 7076204.2/83



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

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

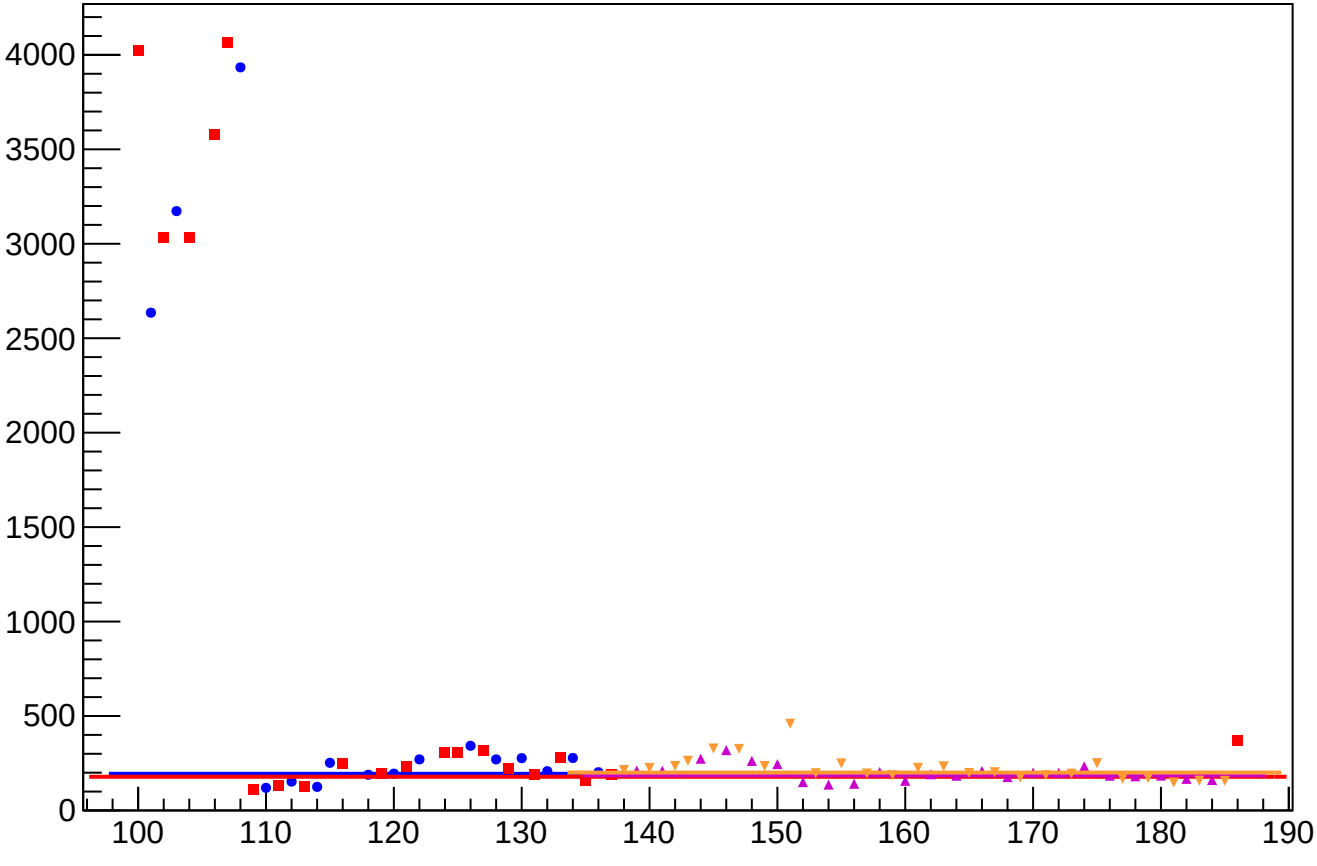
Right: -60.570+/-57.716 χ^2/NDF: 33.3/35

In: 95.497+/-40.008 χ^2/NDF:28.4/38

Out: 60.807+/-40.475 χ^2/NDF:32.0/44

All: 78.353+/-28.454 χ^2/NDF: 60.7/83

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 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

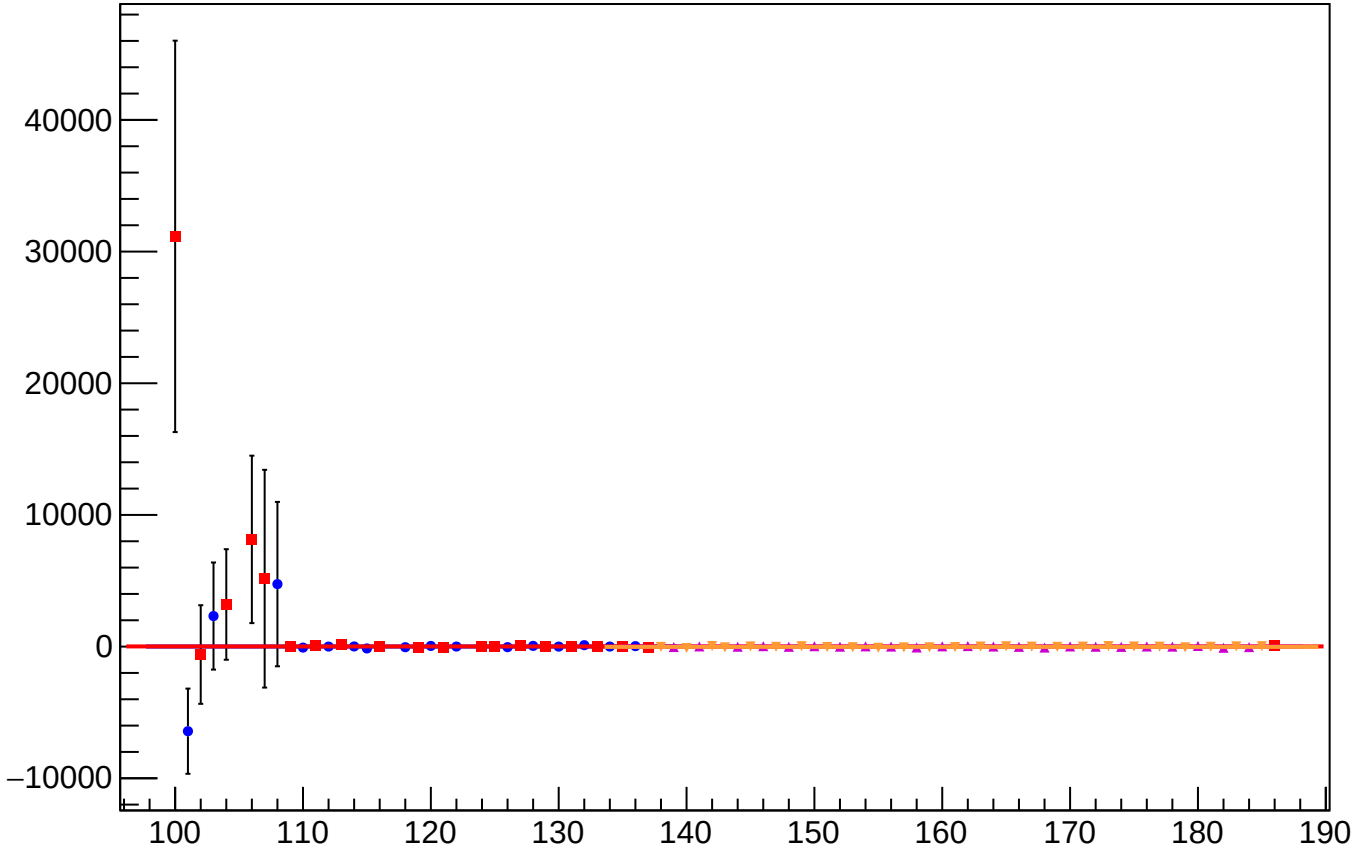
Right: 185.455+/-0.041 χ^2/NDF: 8302613.0/35

In: 187.872+/-0.028 χ^2/NDF:5210777.7/38

Out: 194.705+/-0.029 χ^2/NDF:6481414.6/44

All: 191.249+/-0.020 χ^2/NDF: 11721029.5/83

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -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

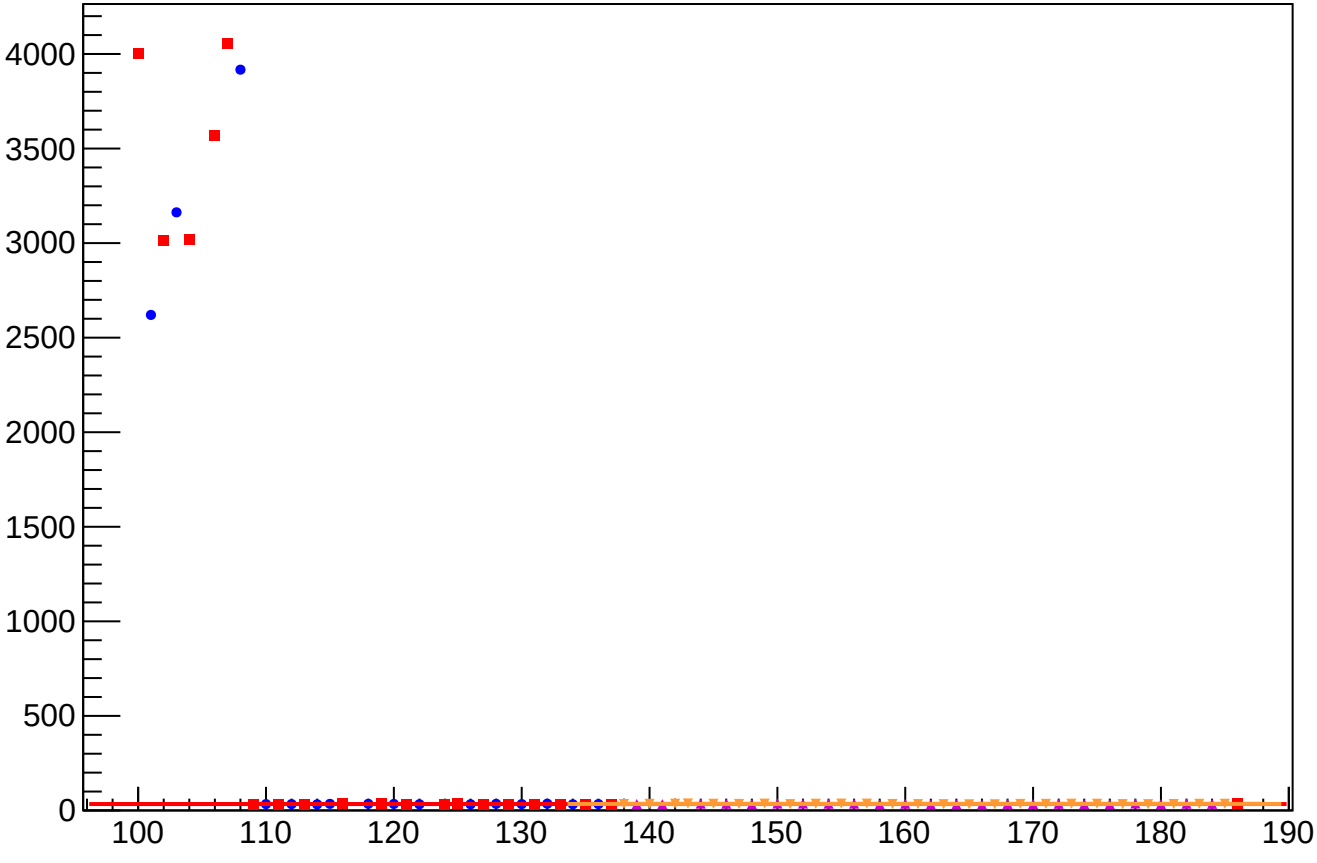
Right: 9.588+/-10.008 χ^2/NDF: 42.0/35

In: -1.684+/-7.038 χ^2/NDF:36.7/38

Out: -12.986+/-6.838 χ^2/NDF:51.9/44

All: -7.497+/-4.904 χ^2/NDF: 90.0/83

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.439+/-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

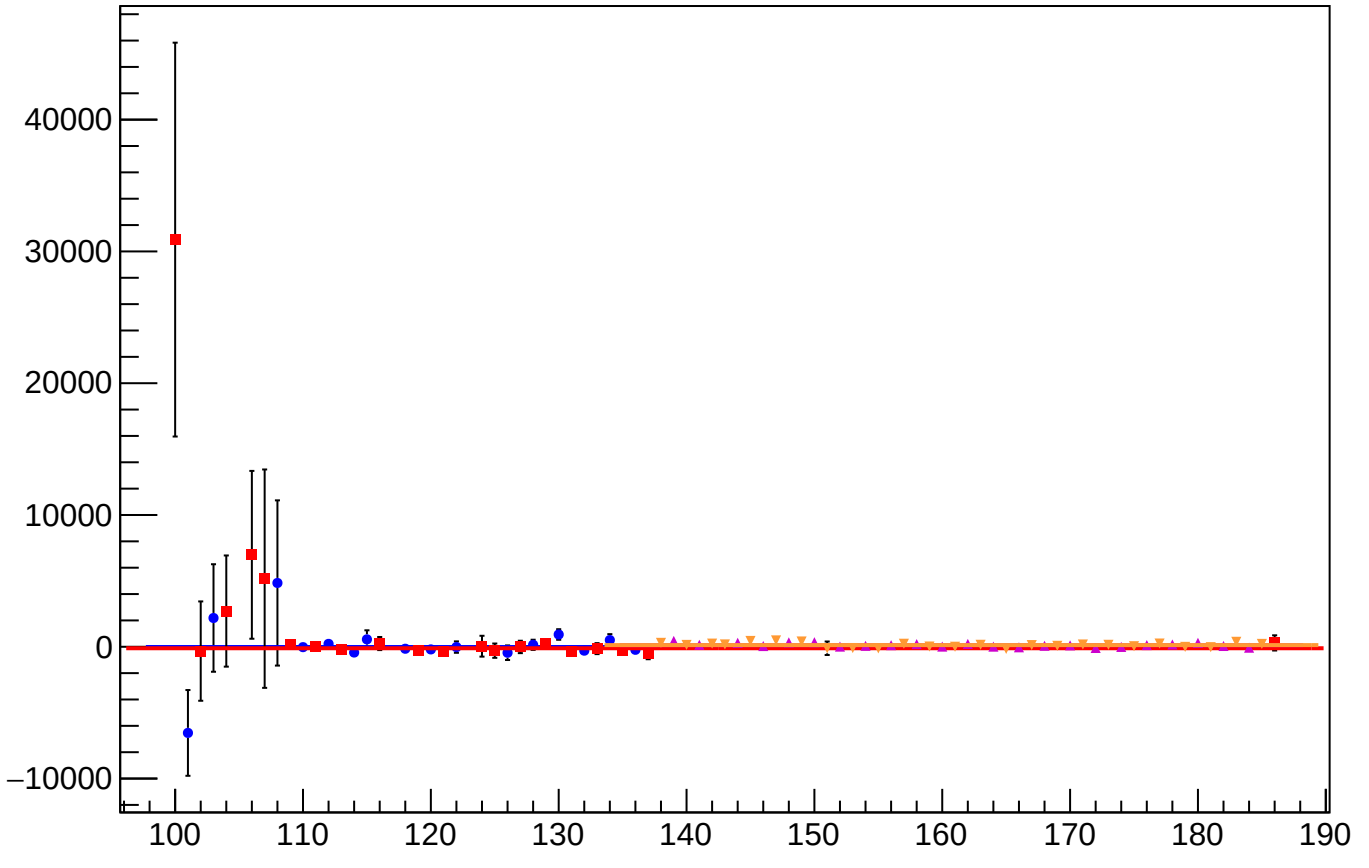
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.918+/-0.007 χ^2/NDF: 6778093.1/35

In: 34.394+/-0.005 χ^2/NDF:3306817.6/38

Out: 34.319+/-0.005 χ^2/NDF:3580355.4/44

All: 34.355+/-0.003 χ^2/NDF: 6887291.0/83



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

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

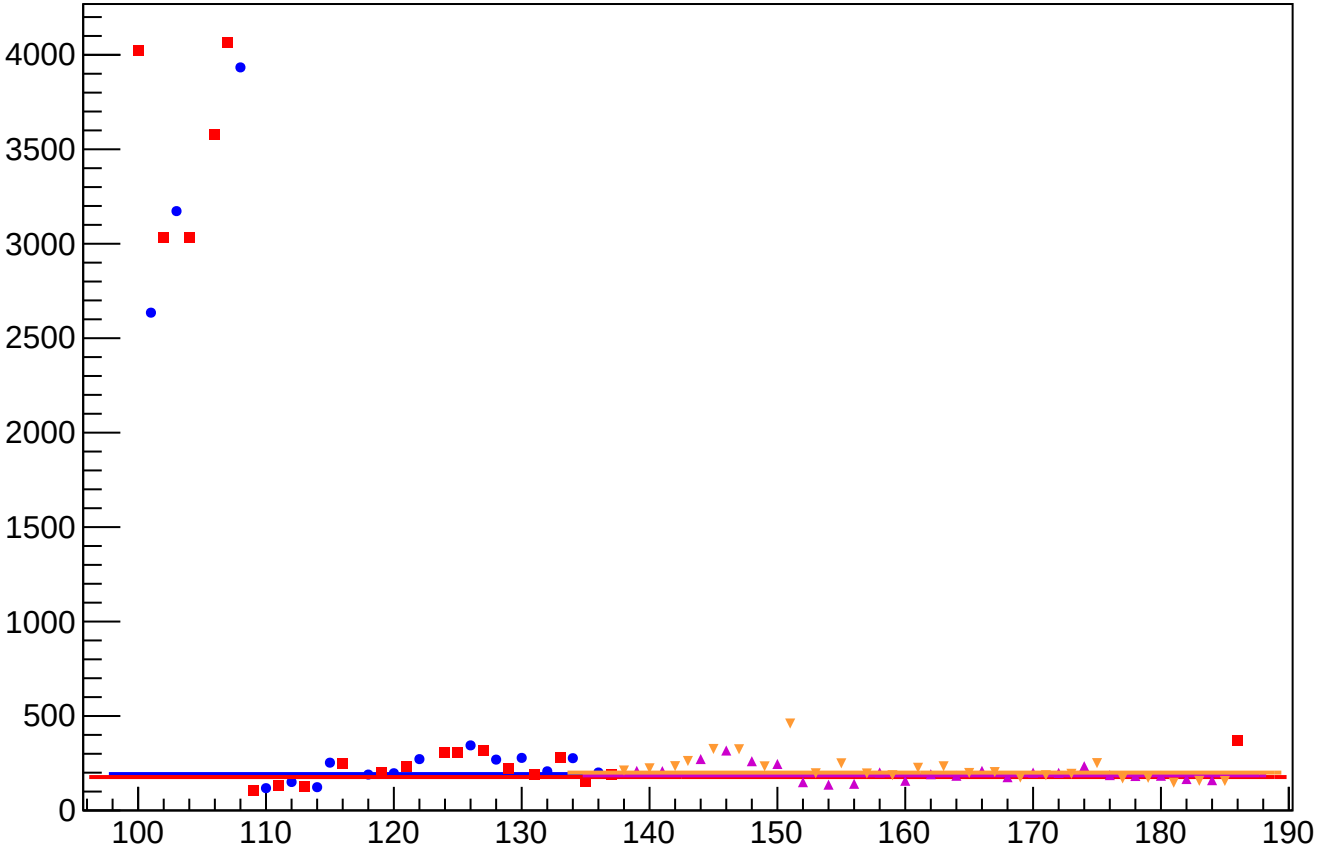
Right: -70.140+/-57.384 χ^2/NDF: 32.6/35

In: 91.471+/-39.914 χ^2/NDF:28.3/38

Out: 62.960+/-40.363 χ^2/NDF:32.4/44

All: 77.375+/-28.381 χ^2/NDF: 61.0/83

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 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

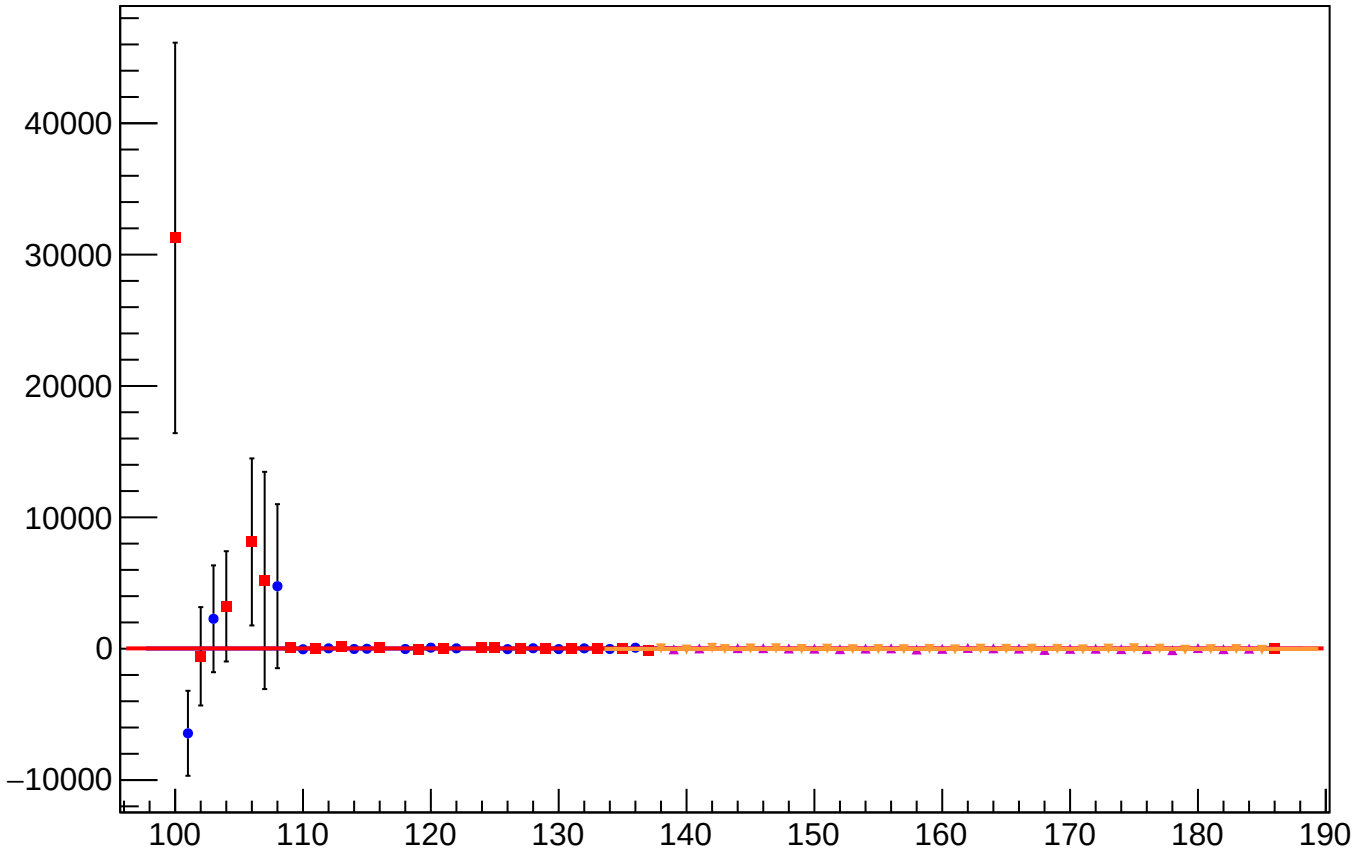
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 183.975+/-0.041 χ^2/NDF: 8393599.8/35

In: 187.344+/-0.028 χ^2/NDF:5237957.6/38

Out: 194.019+/-0.029 χ^2/NDF:6544213.5/44

All: 190.644+/-0.020 χ^2/NDF: 11809823.1/83



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

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

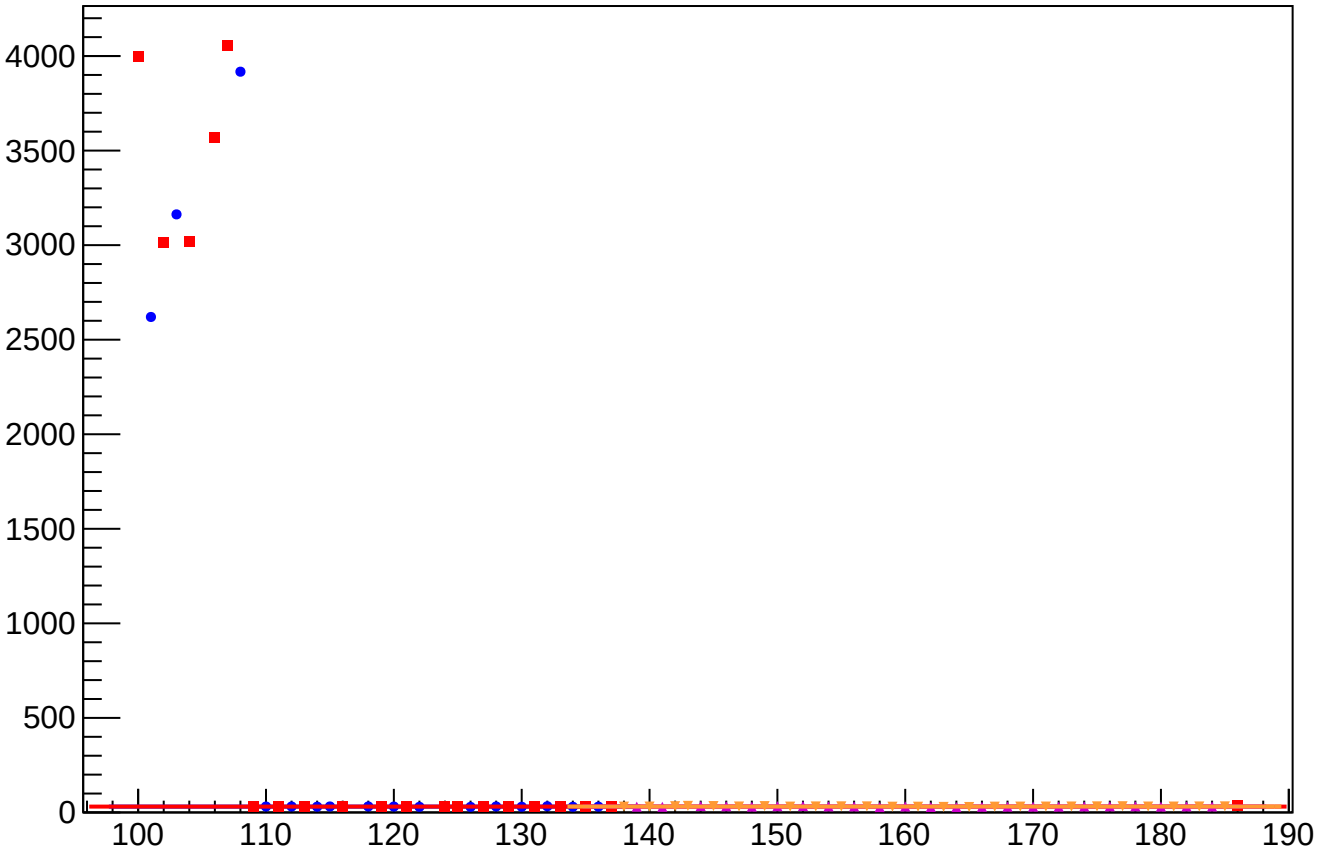
Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

Right: 19.015+/-9.143 χ^2/NDF: 44.5/35

In: 1.238+/-6.404 χ^2/NDF:52.2/38

Out: -8.463+/-6.232 χ^2/NDF:57.6/44

All: -3.744+/-4.466 χ^2/NDF: 111.0/83



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

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

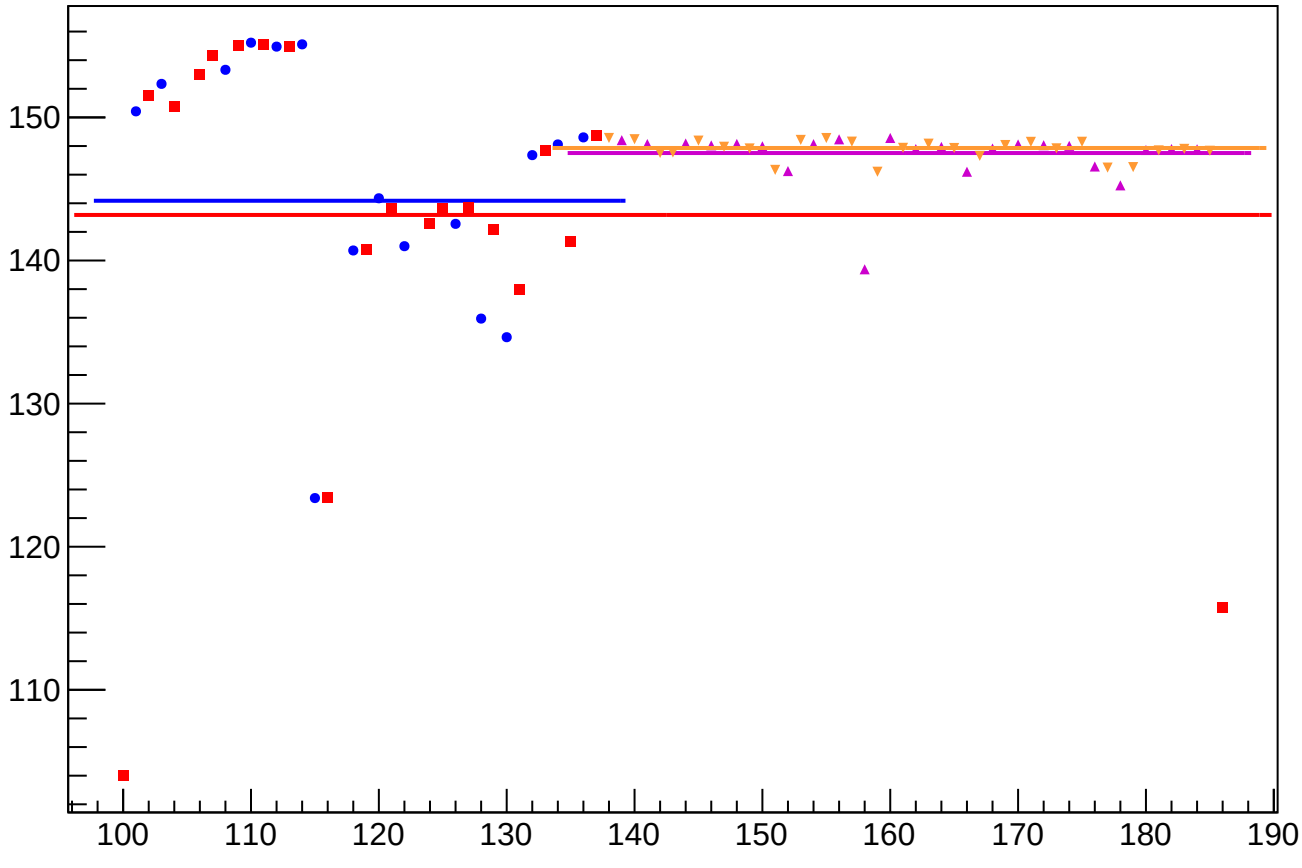
Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

Right: 30.959+/-0.006 χ^2/NDF: 6798001.9/35

In: 31.271+/-0.005 χ^2/NDF:3339649.0/38

Out: 31.257+/-0.004 χ^2/NDF:3609534.6/44

All: 31.264+/-0.003 χ^2/NDF: 6949188.7/83



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

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

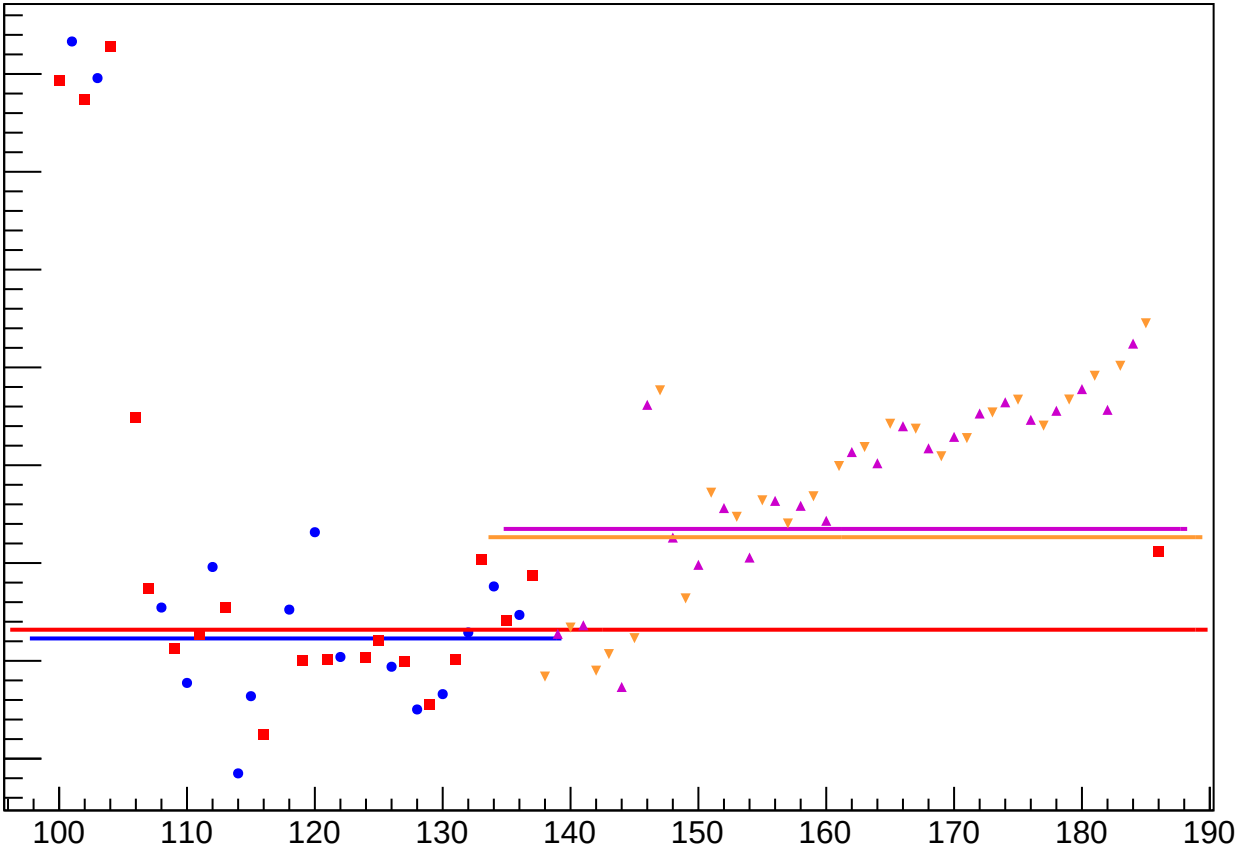
Right: 143.673+/-0.000 χ^2/NDF: 9822835716.7/35

In: 146.210+/-0.000 χ^2/NDF:4418208275.6/38

Out: 146.099+/-0.000 χ^2/NDF:6916013898.8/44

All: 146.153+/-0.000 χ^2/NDF: 11335151535.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

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

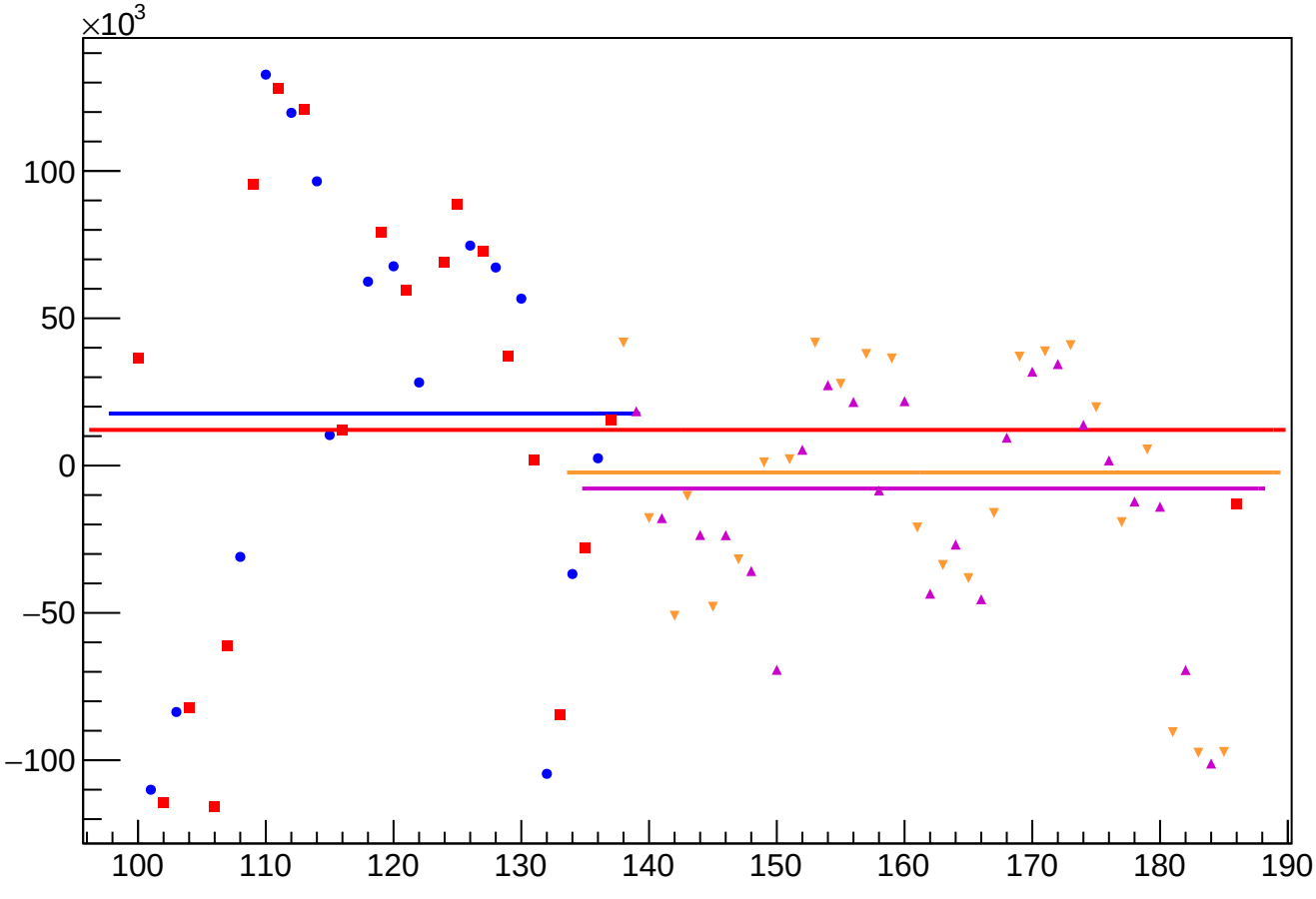
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.327+/-0.000 χ^2/NDF: 2735512.4/35

In: 0.391+/-0.000 χ^2/NDF:4043865.3/38

Out: 0.391+/-0.000 χ^2/NDF:4248999.6/44

All: 0.391+/-0.000 χ^2/NDF: 8292894.0/83



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

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

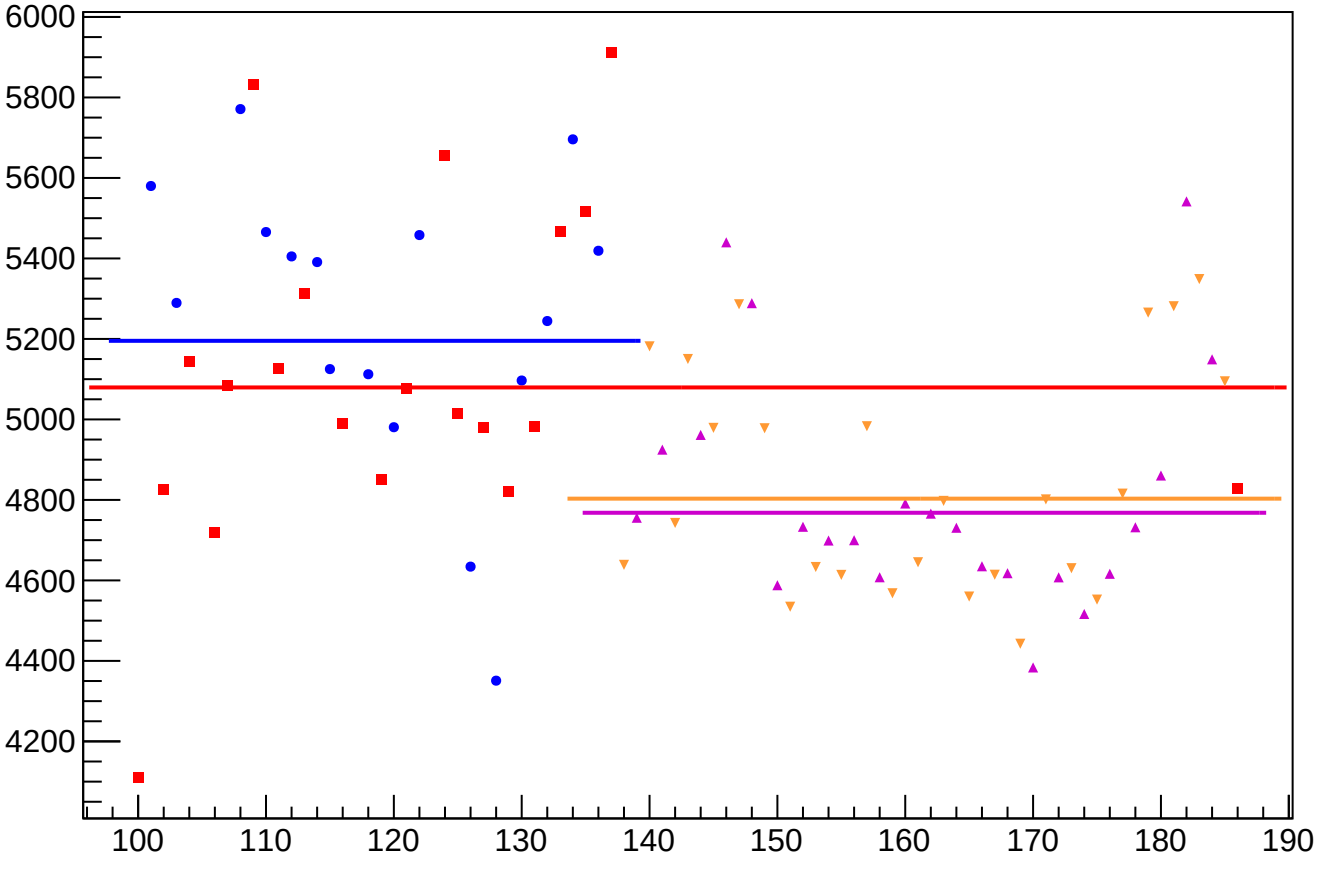
Right: 14692.786+/-1.367 χ^2/NDF: 3270920010.5/3

In: -1534.917+/-0.994 χ^2/NDF:2282722587.9/38

Out: 1495.564+/-0.963 χ^2/NDF:3142127123.0/44

All: 29.009+/-0.692 χ^2/NDF: 5429646004.8/8

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

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

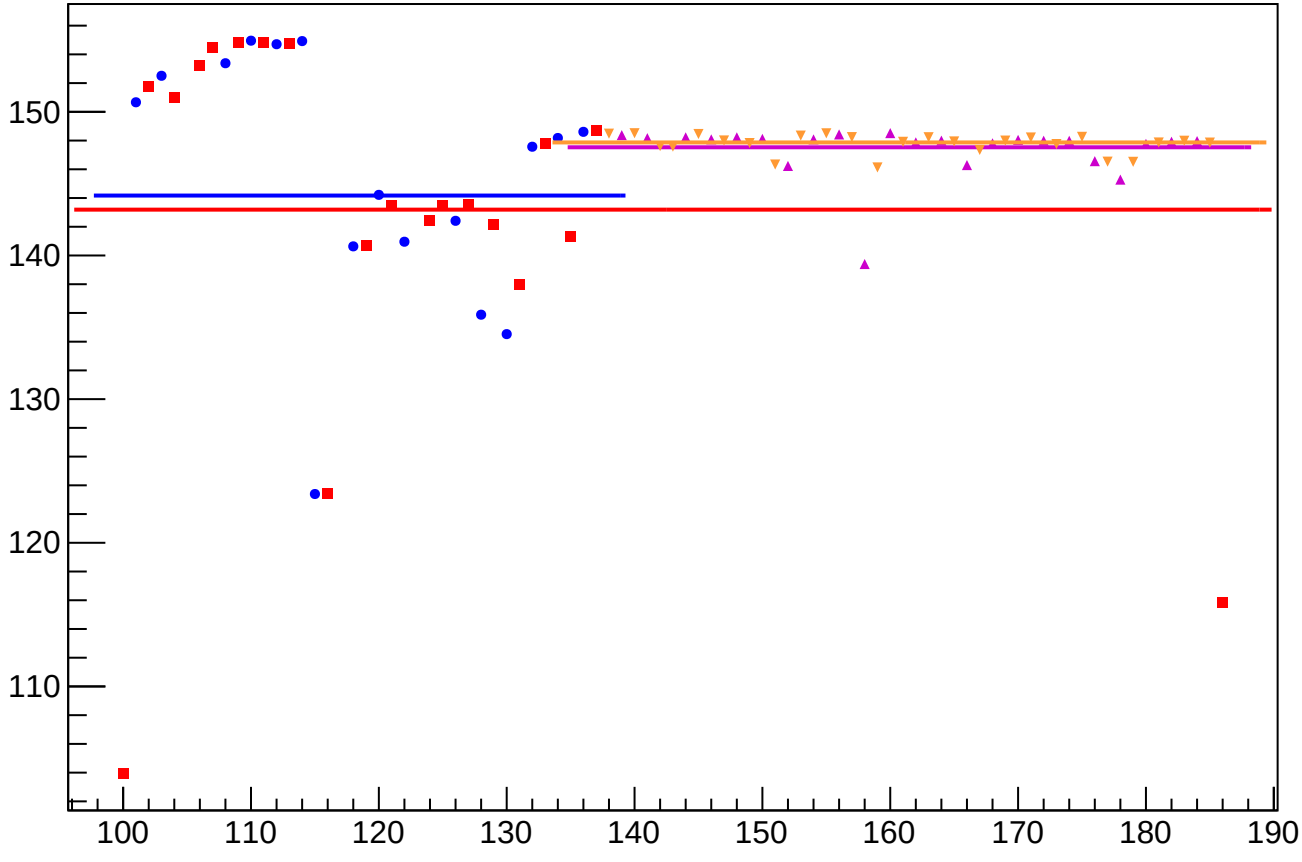
Right: 5133.272+/-0.967 χ^2/NDF: 142095.6/35

In: 4873.019+/-0.703 χ^2/NDF:247988.4/38

Out: 4876.525+/-0.681 χ^2/NDF:208184.3/44

All: 4874.828+/-0.489 χ^2/NDF: 456185.6/83

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

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

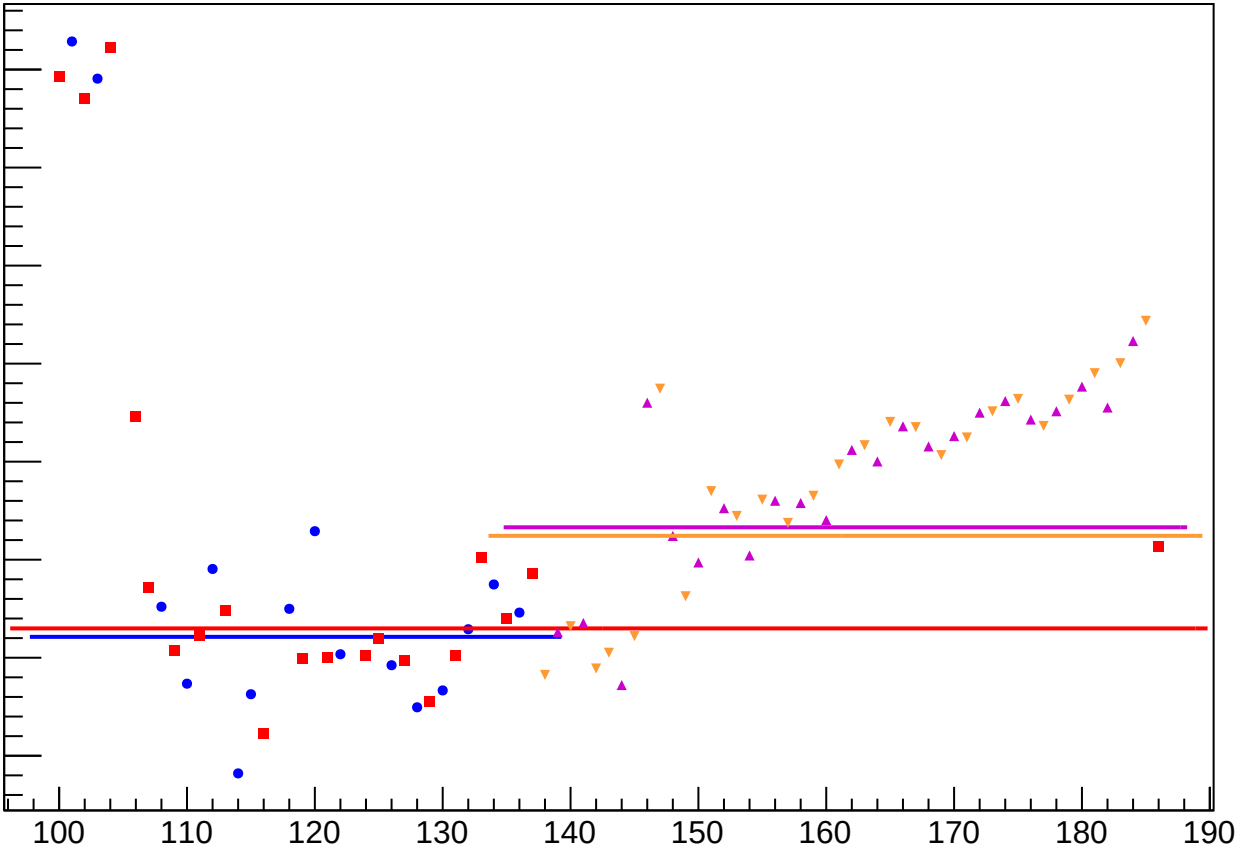
Right: 143.674+/-0.000 χ^2/NDF: 9865115151.8/35

In: 146.219+/-0.000 χ^2/NDF:4468578626.1/38

Out: 146.103+/-0.000 χ^2/NDF:6926256962.7/44

All: 146.160+/-0.000 χ^2/NDF: 11395862229.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

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

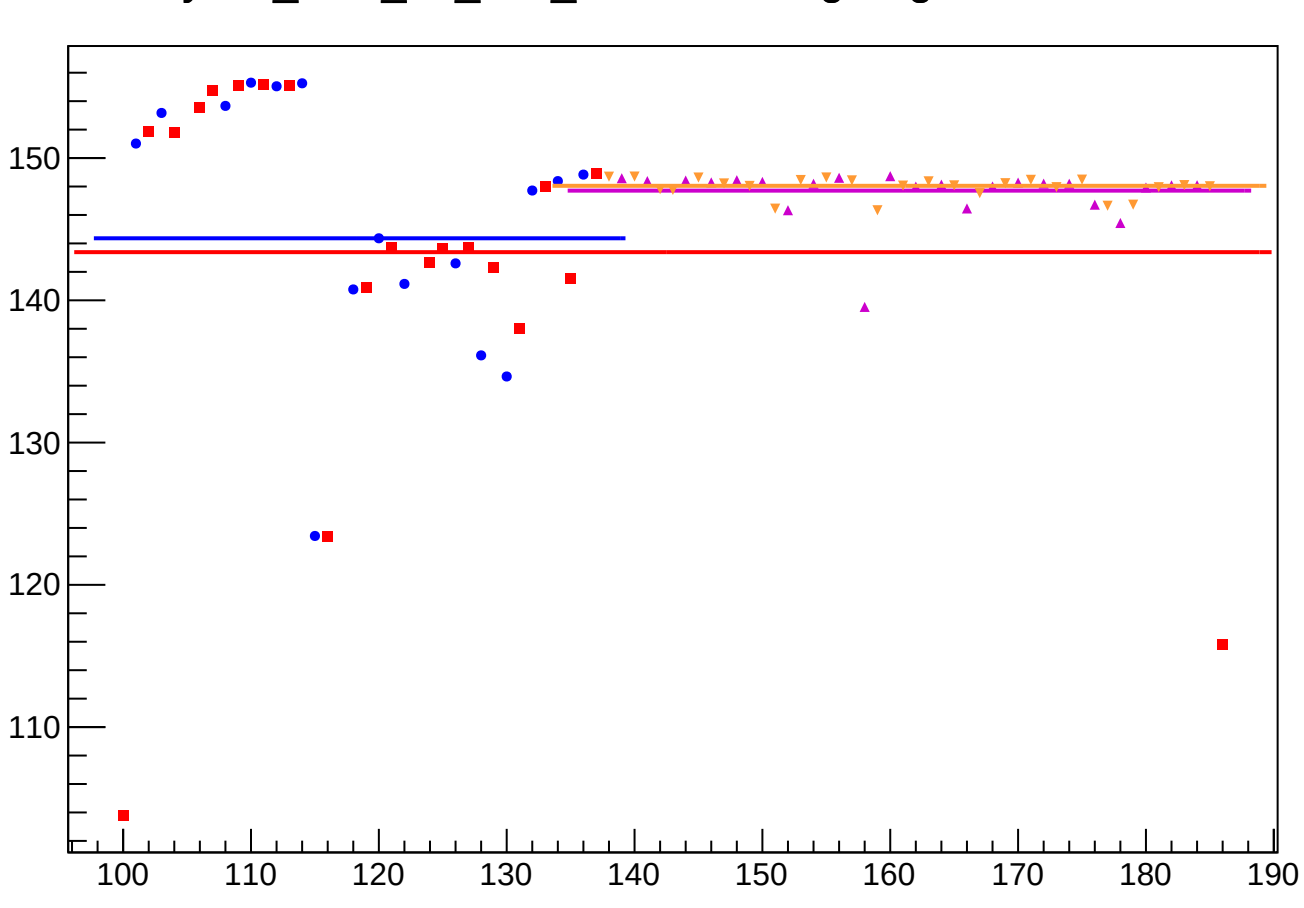
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.326+/-0.000 χ^2/NDF: 2736702.3/35

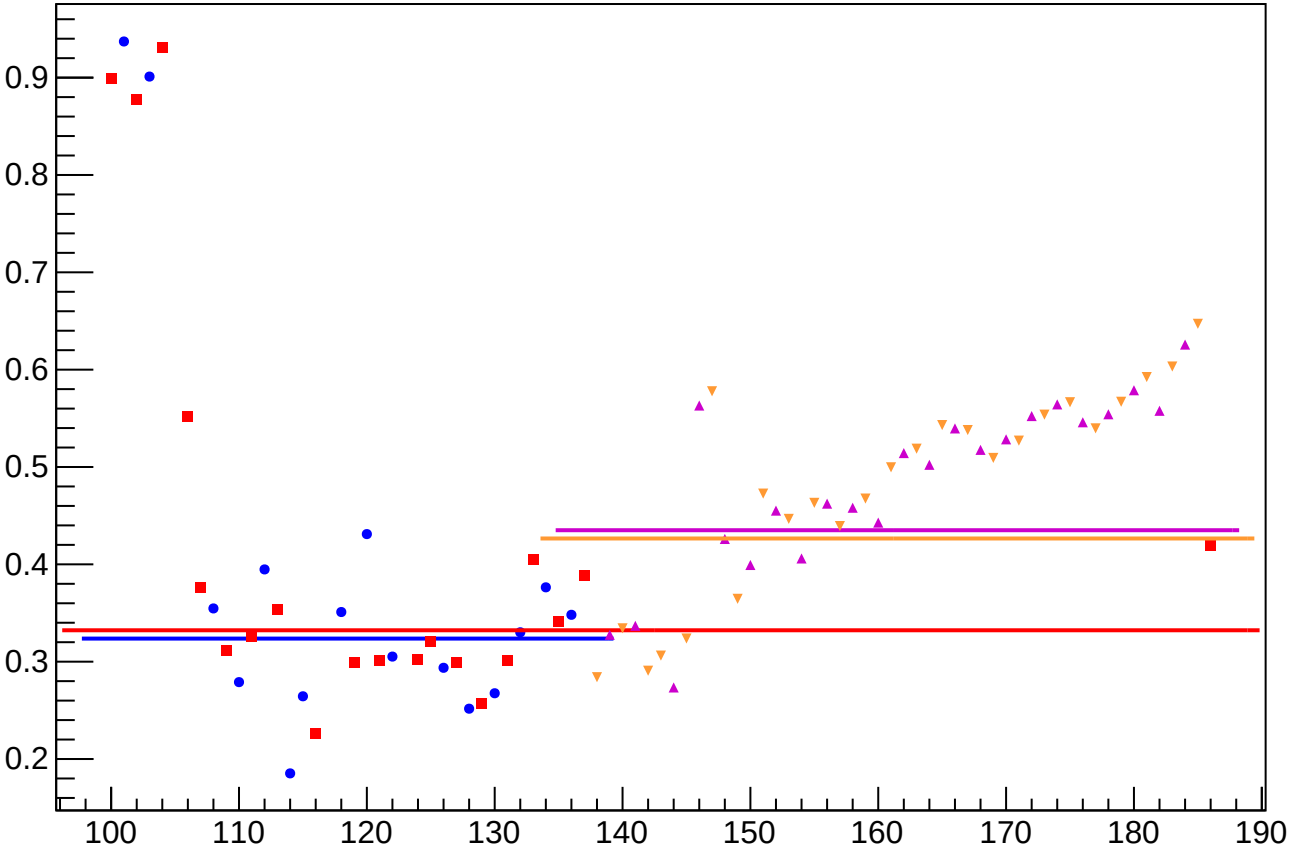
In: 0.389+/-0.000 χ^2/NDF:4044892.2/38

Out: 0.389+/-0.000 χ^2/NDF:4256712.3/44

All: 0.389+/-0.000 χ^2/NDF: 8301679.5/83


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: 144.361+/-0.000 χ²/NDF: 3758625293.6/15
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: 143.866+/-0.000 χ²/NDF: 9827155778.3/35
In: 146.406+/-0.000 χ²/NDF:4459755362.6/38
Out: 146.293+/-0.000 χ²/NDF:6880241091.5/44
All: 146.348+/-0.000 χ²/NDF: 11340963230.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

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

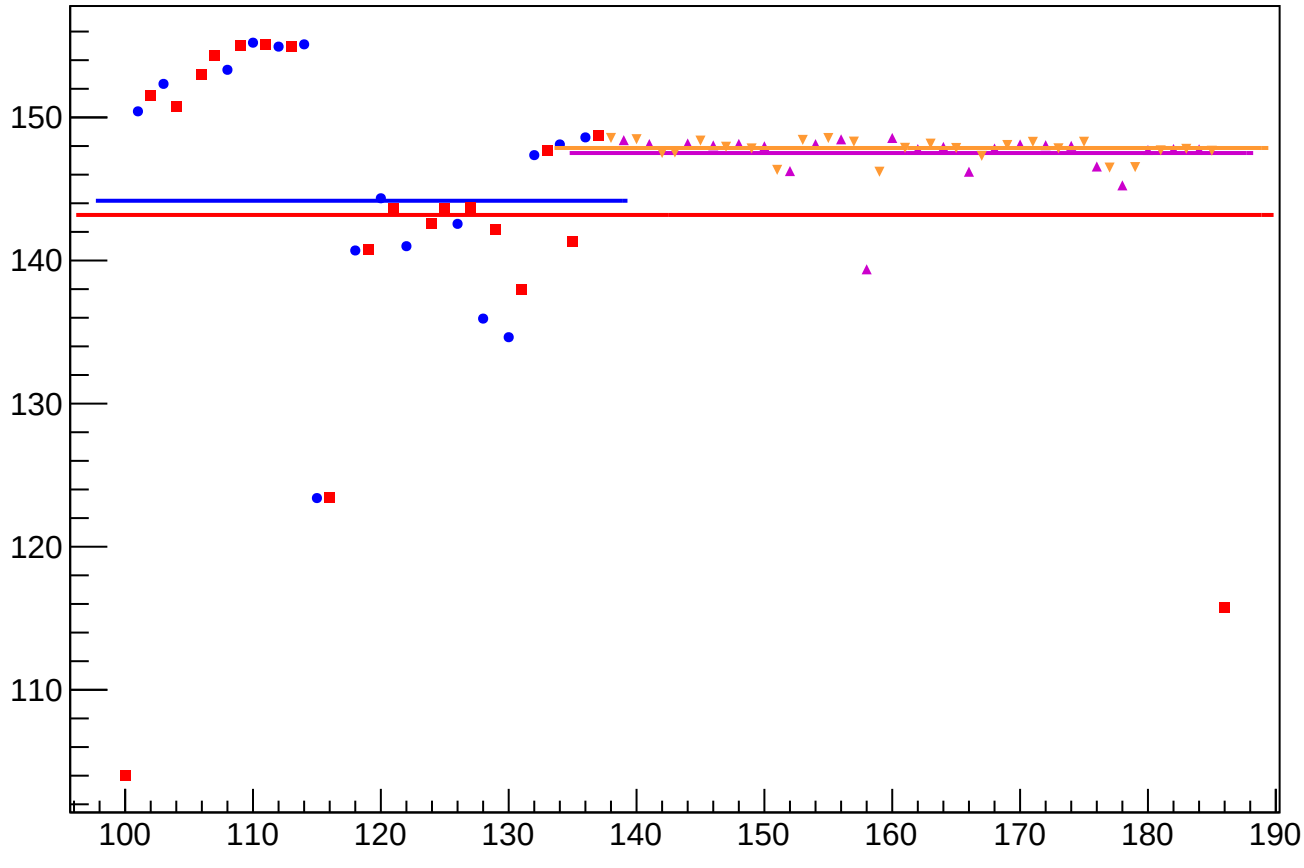
Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

Right: 0.328+/-0.000 χ^2/NDF: 2734863.7/35

In: 0.392+/-0.000 χ^2/NDF:4022255.6/38

Out: 0.391+/-0.000 χ^2/NDF:4245251.0/44

All: 0.391+/-0.000 χ^2/NDF: 8267574.6/83



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

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

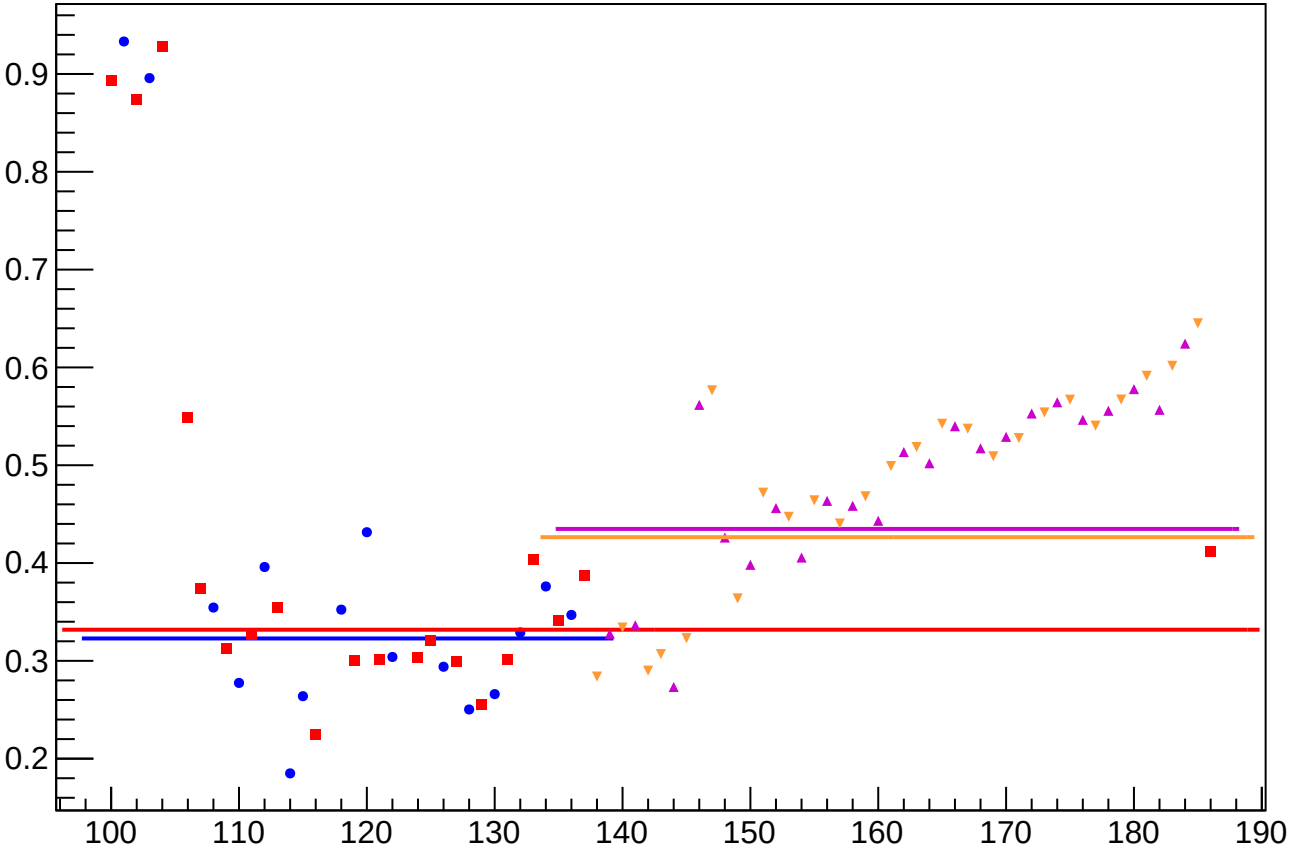
Right: 143.673+/-0.000 χ^2/NDF: 9822835716.7/35

In: 146.210+/-0.000 χ^2/NDF:4418208275.6/38

Out: 146.099+/-0.000 χ^2/NDF:6916013898.8/44

All: 146.153+/-0.000 χ^2/NDF: 11335151535.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

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

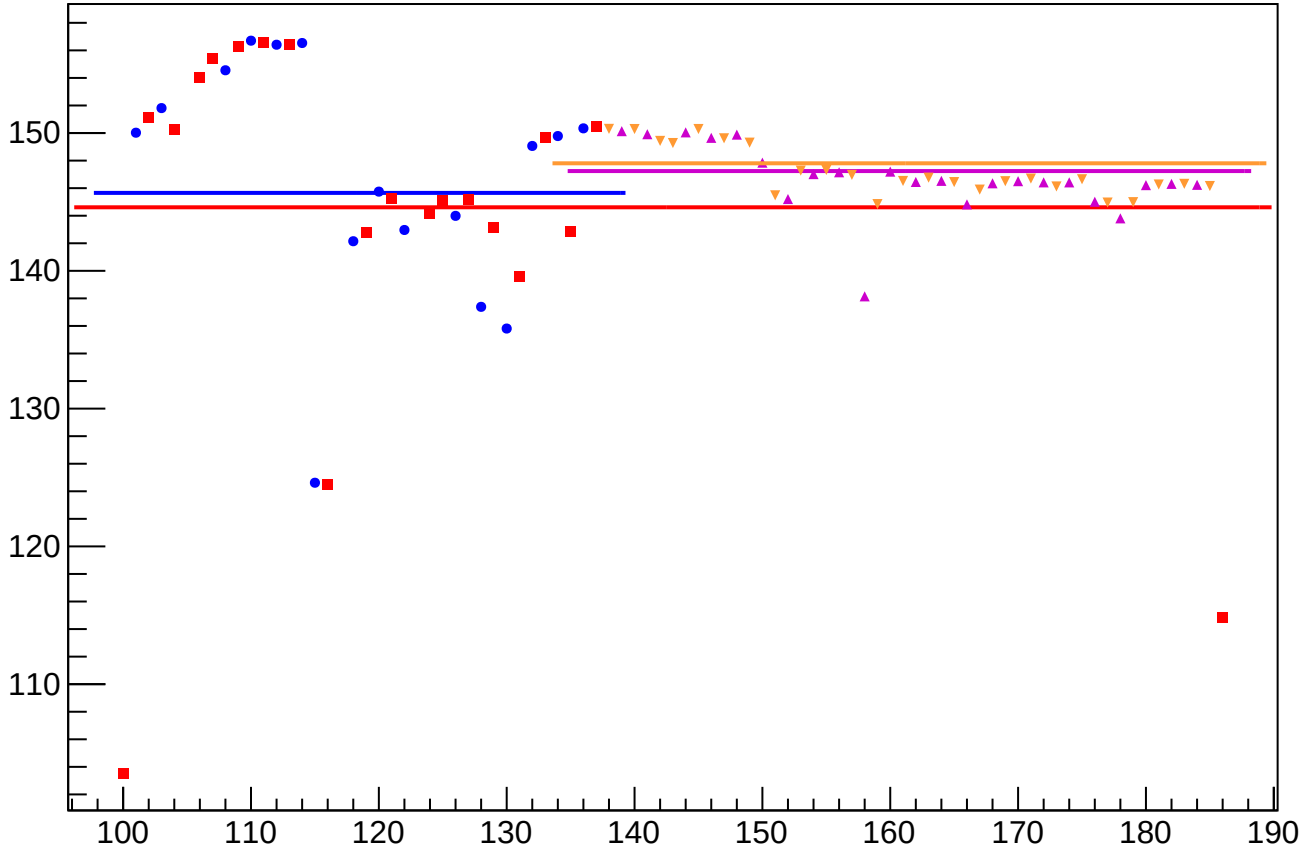
Right: 0.327+/-0.000 χ^2/NDF: 2735512.4/35

In: 0.391+/-0.000 χ^2/NDF:4043865.3/38

Out: 0.391+/-0.000 χ^2/NDF:4248999.6/44

All: 0.391+/-0.000 χ^2/NDF: 8292894.0/83

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

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

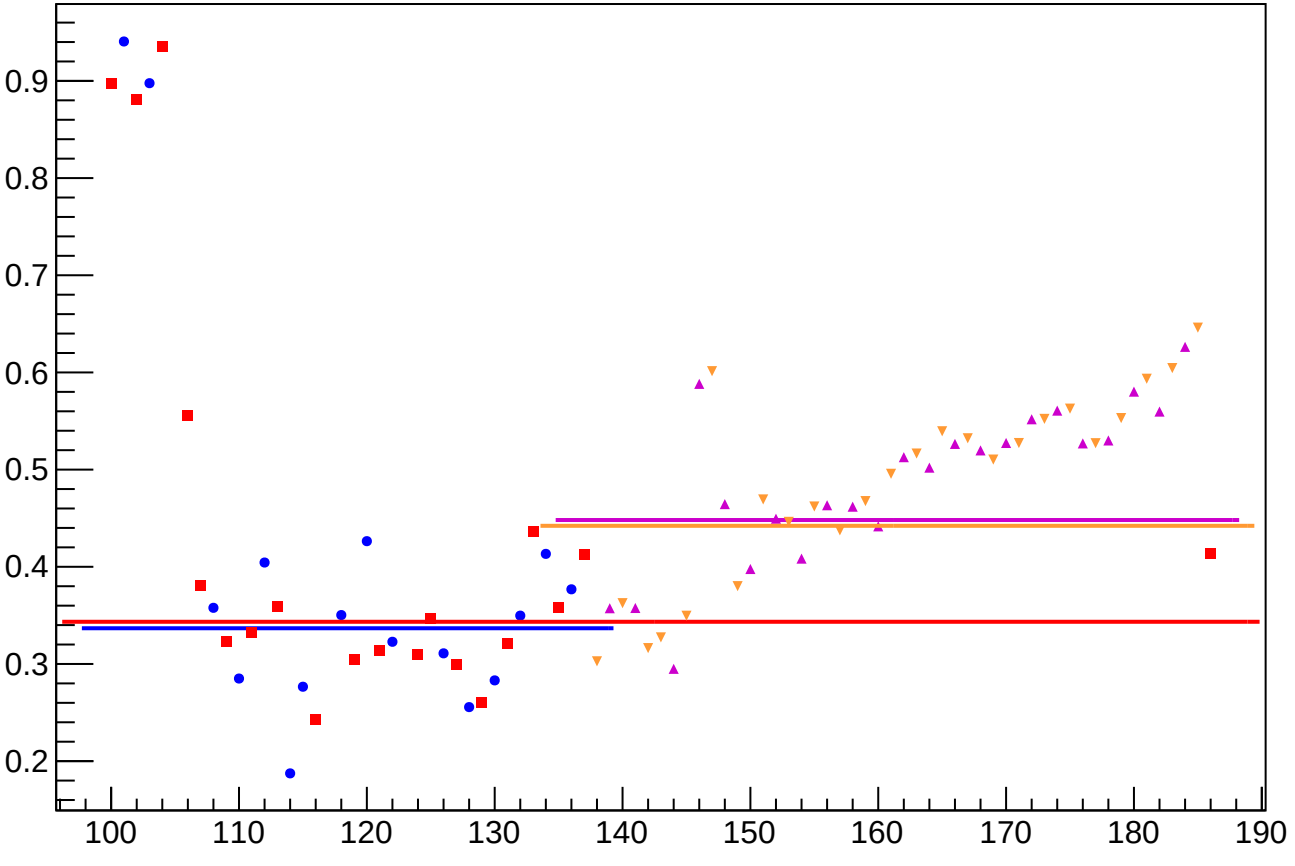
Right: 145.122+/-0.000 χ^2/NDF: 9486802201.7/35

In: 146.637+/-0.000 χ^2/NDF:4181561467.9/38

Out: 146.607+/-0.000 χ^2/NDF:6652663209.9/44

All: 146.621+/-0.000 χ^2/NDF: 10834286791.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

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

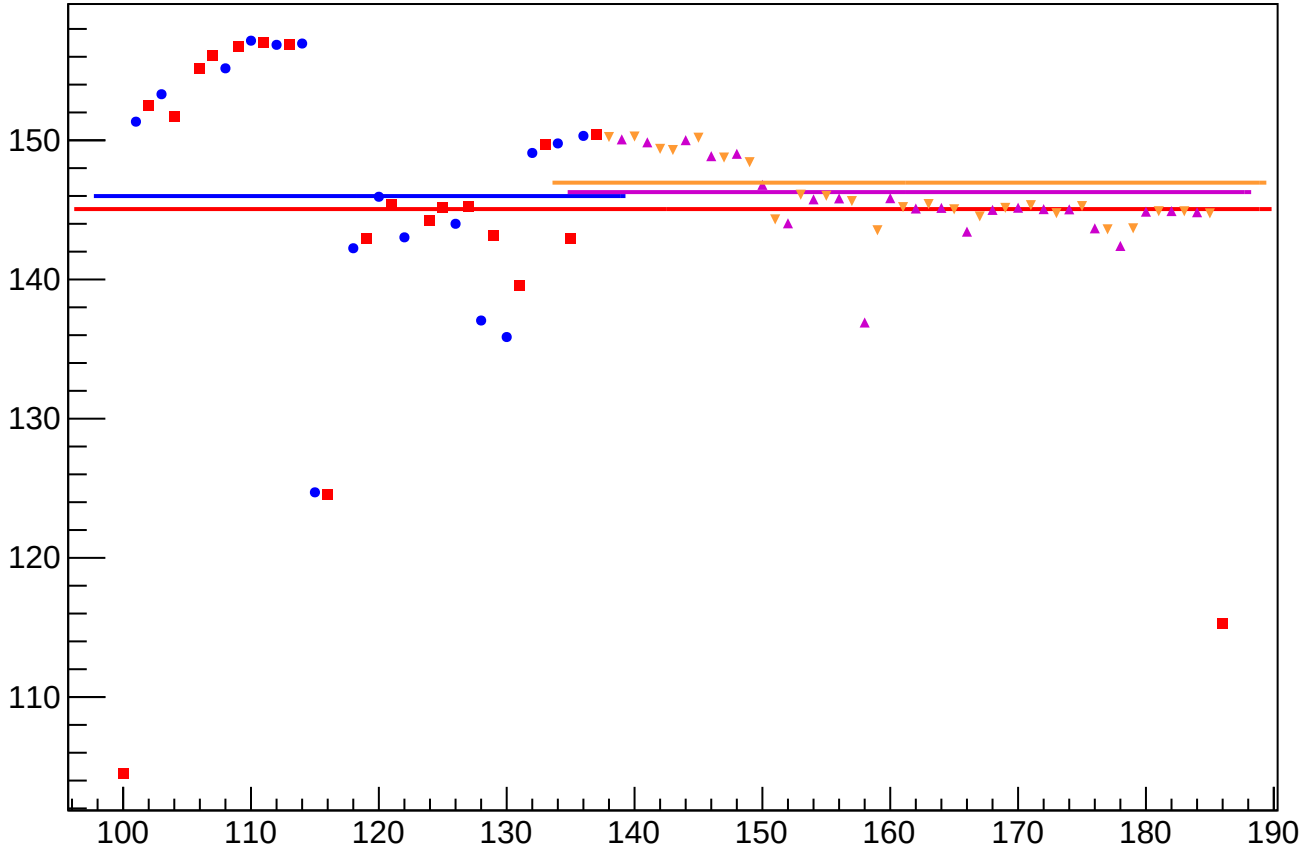
Right: 0.340+/-0.000 χ^2/NDF: 2670959.4/35

In: 0.406+/-0.000 χ^2/NDF:3523328.0/38

Out: 0.405+/-0.000 χ^2/NDF:3671016.9/44

All: 0.405+/-0.000 χ^2/NDF: 7194380.8/83

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

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

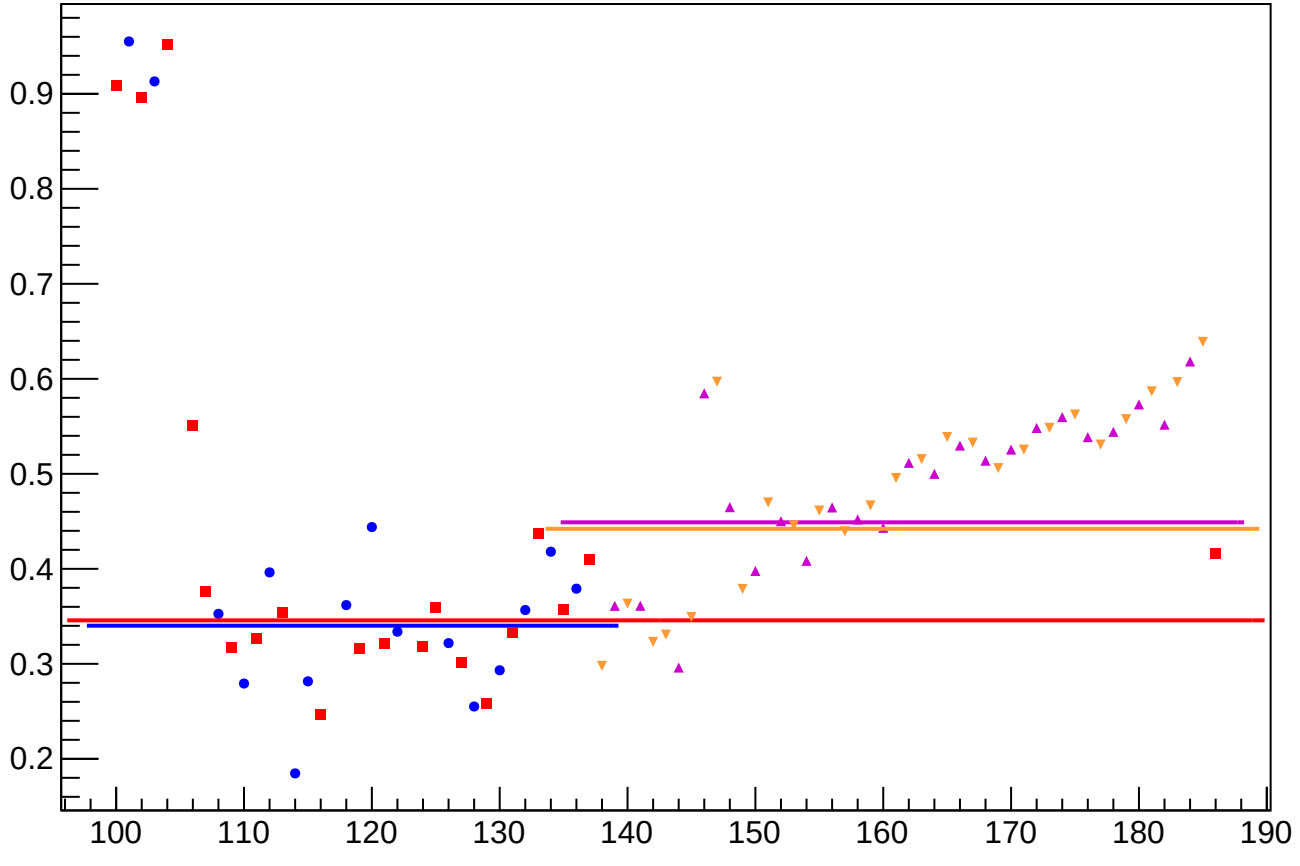
Right: 145.513+/-0.000 χ^2/NDF: 9698595504.6/35

In: 146.170+/-0.000 χ^2/NDF:4449391504.8/38

Out: 146.251+/-0.000 χ^2/NDF:6719026964.2/44

All: 146.212+/-0.000 χ^2/NDF: 11168880180.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

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

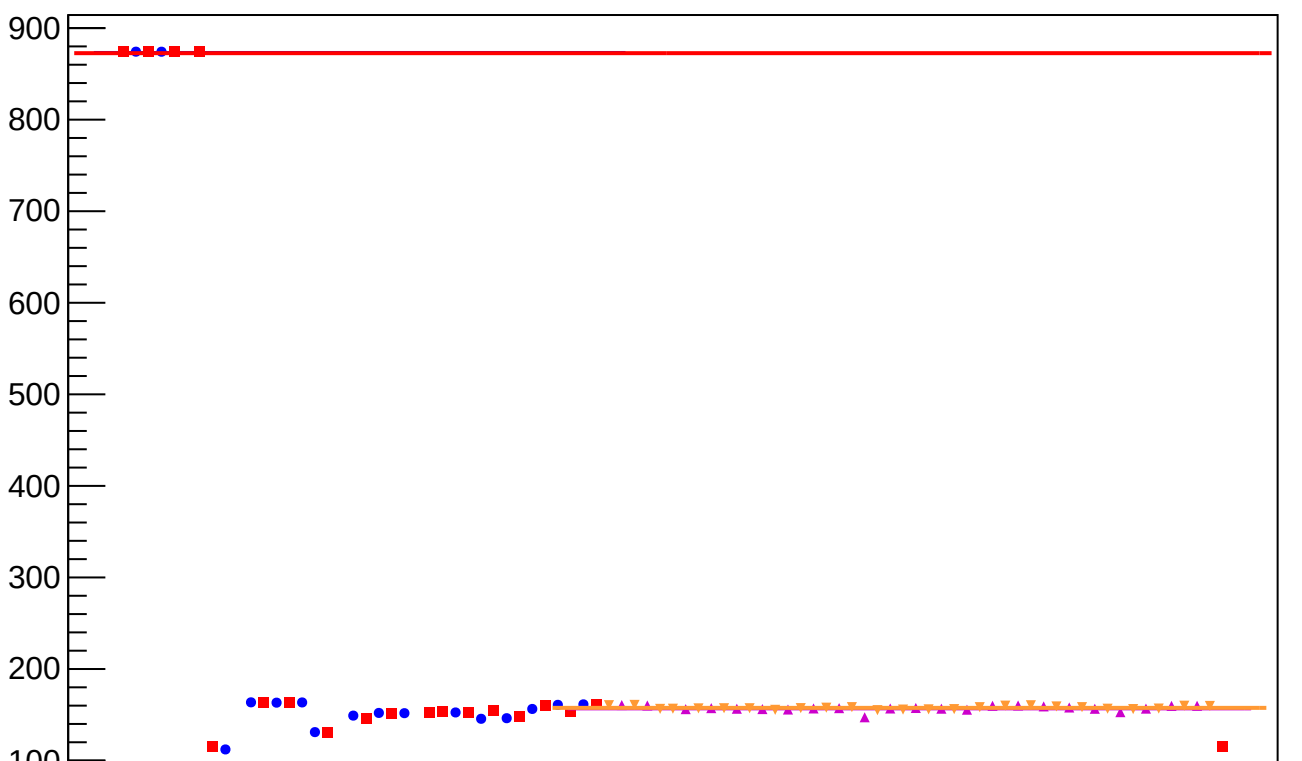
Right: 0.343+/-0.000 χ^2/NDF: 2688764.8/35

In: 0.408+/-0.000 χ^2/NDF:3449972.6/38

Out: 0.406+/-0.000 χ^2/NDF:3600878.4/44

All: 0.407+/-0.000 χ^2/NDF: 7051220.3/83

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

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

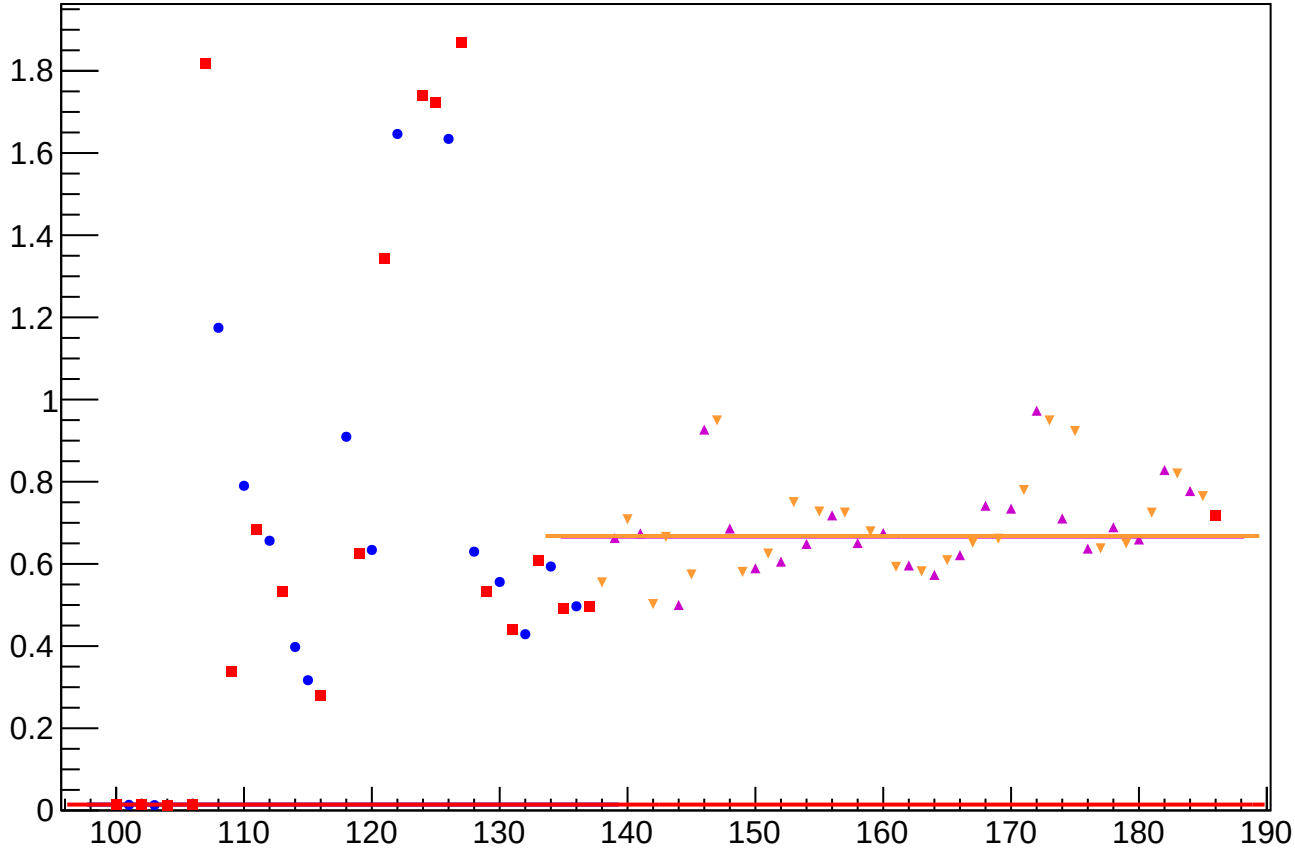
Right: 872.715+/-0.000 χ^2/NDF: 16693006708095.8

In: 869.580+/-0.000 χ^2/NDF:23722214669725.5/3

Out: 869.683+/-0.000 χ^2/NDF:26753630833636.1

All: 869.635+/-0.000 χ^2/NDF: 504758858167

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

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

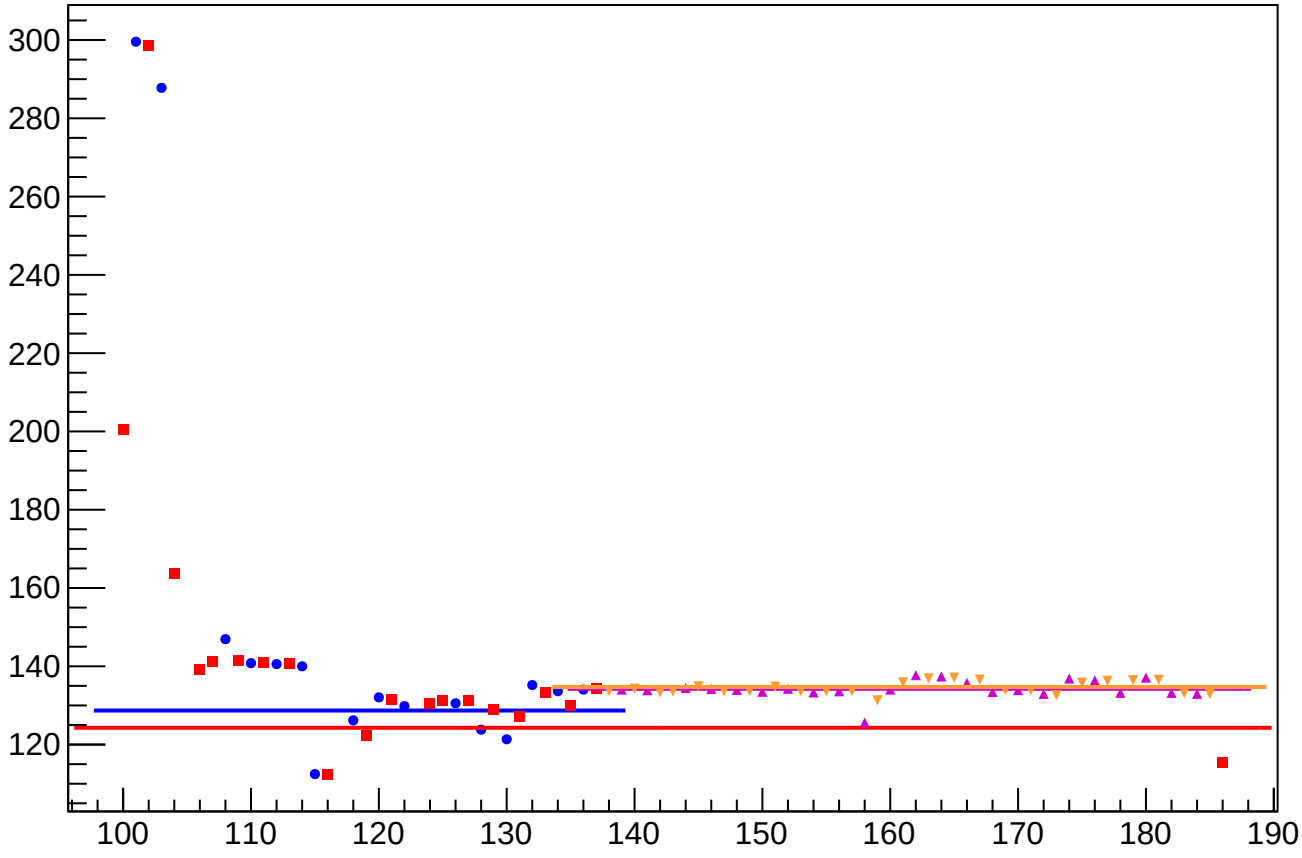
Right: 0.014+/-0.000 χ^2/NDF: 19606808.6/35

In: 0.017+/-0.000 χ^2/NDF:37594537.4/38

Out: 0.017+/-0.000 χ^2/NDF:39501943.5/44

All: 0.017+/-0.000 χ^2/NDF: 77097458.9/83

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

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

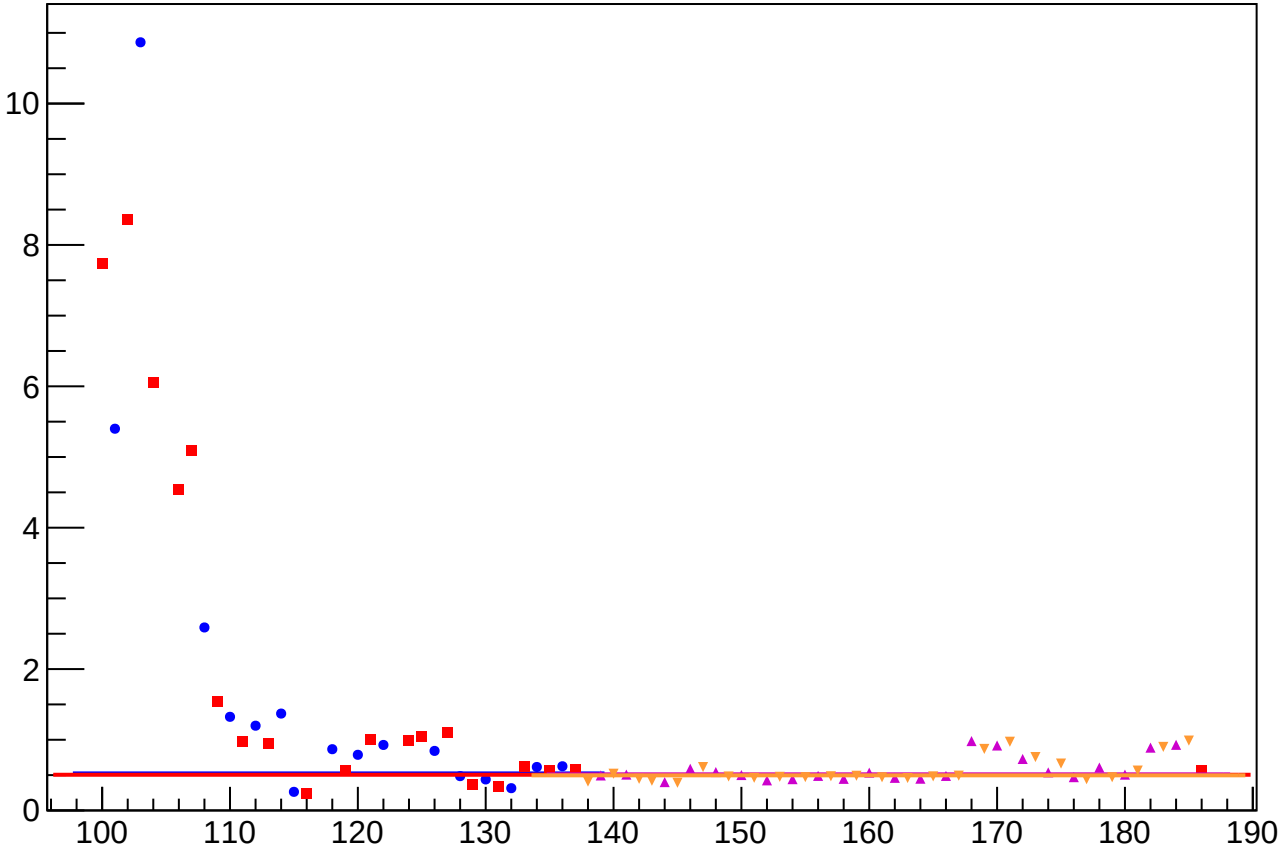
Right: 126.371+/-0.000 χ^2/NDF: 3276502431.2/35

In: 133.245+/-0.000 χ^2/NDF:2434747424.9/38

Out: 132.803+/-0.000 χ^2/NDF:2974499431.3/44

All: 133.013+/-0.000 χ^2/NDF: 5416815587.8

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

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

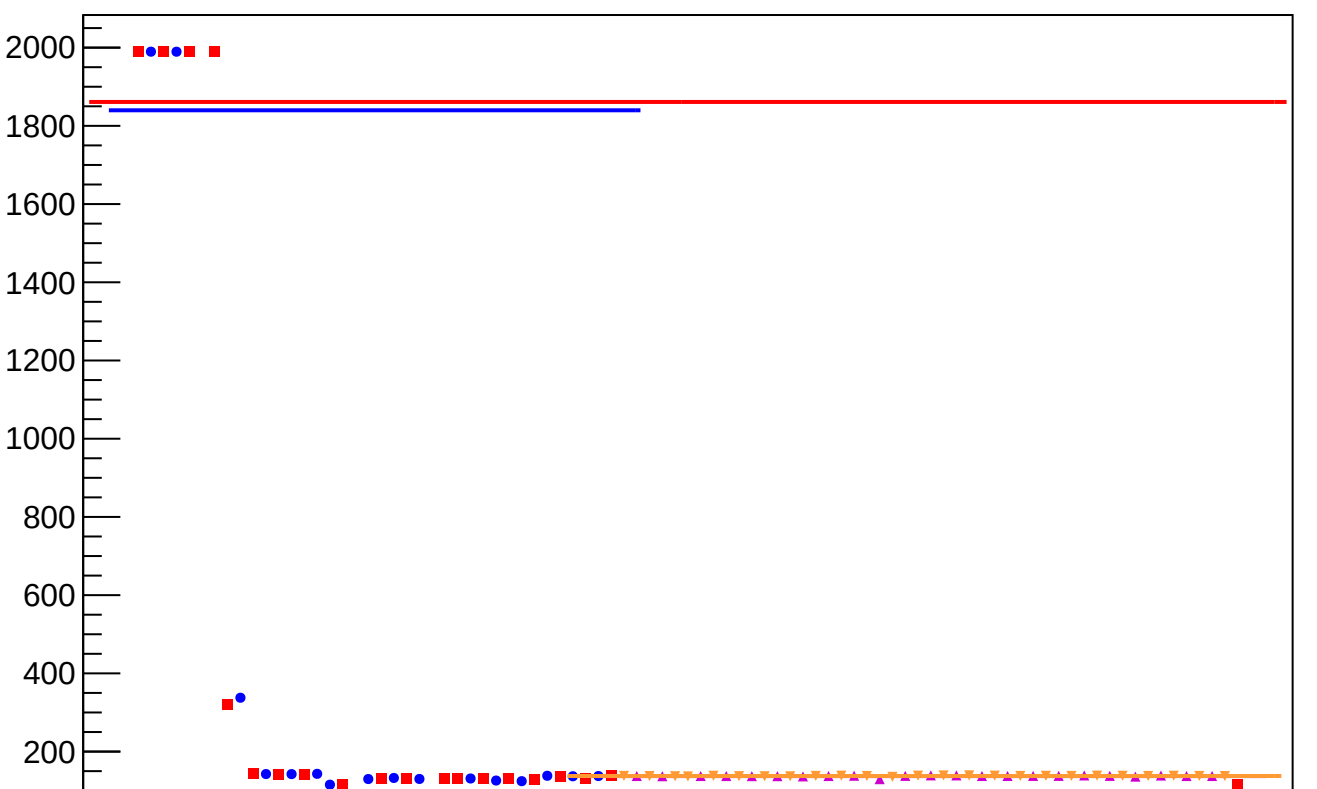
Right: 0.514+/-0.000 χ^2/NDF: 9036091.8/35

In: 0.512+/-0.000 χ^2/NDF:5628475.9/38

Out: 0.498+/-0.000 χ^2/NDF:6466665.2/44

All: 0.505+/-0.000 χ^2/NDF: 12109955.4/83

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

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

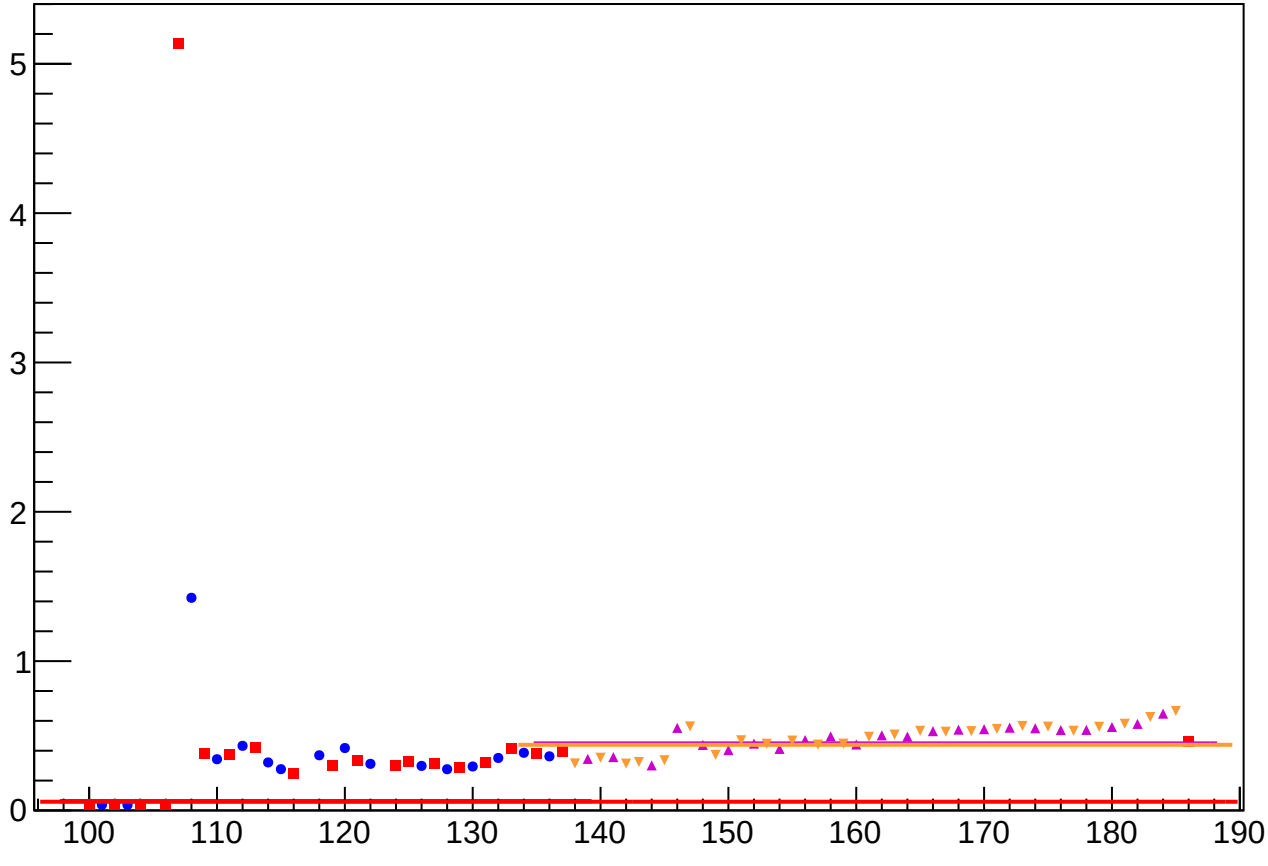
Right: 1851.282+/-0.000 χ^2/NDF: 2944981769857

In: 1619.234+/-0.000 χ^2/NDF:360056019811035.

Out: 1650.722+/-0.000 χ^2/NDF:39057780919531

All: 1636.150+/-0.000 χ^2/NDF: 7509828473

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

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

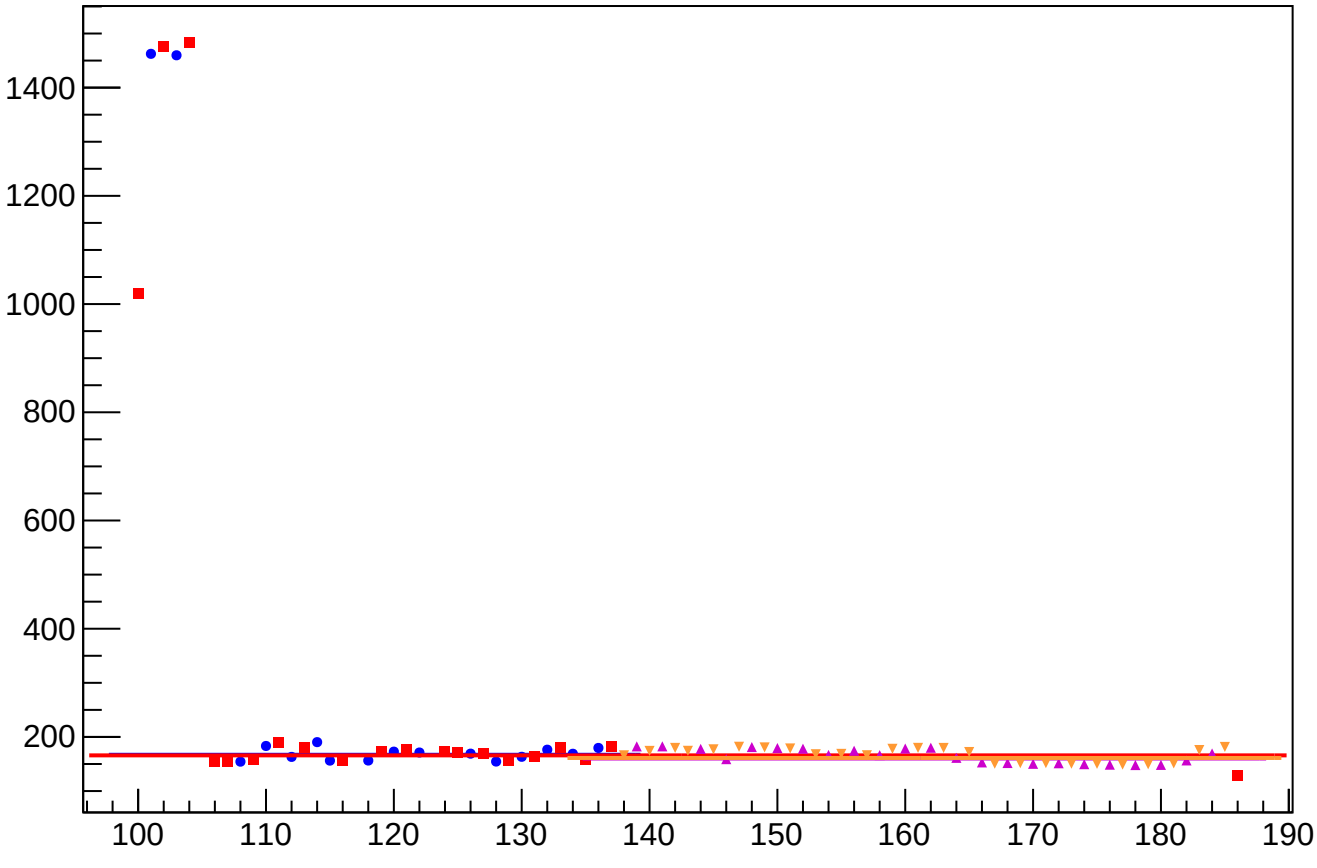
Right: 0.060+/-0.000 χ^2/NDF: 16518261.2/35

In: 0.112+/-0.000 χ^2/NDF:31702192.7/38

Out: 0.105+/-0.000 χ^2/NDF:33787312.3/44

All: 0.108+/-0.000 χ^2/NDF: 65524437.5/83

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

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

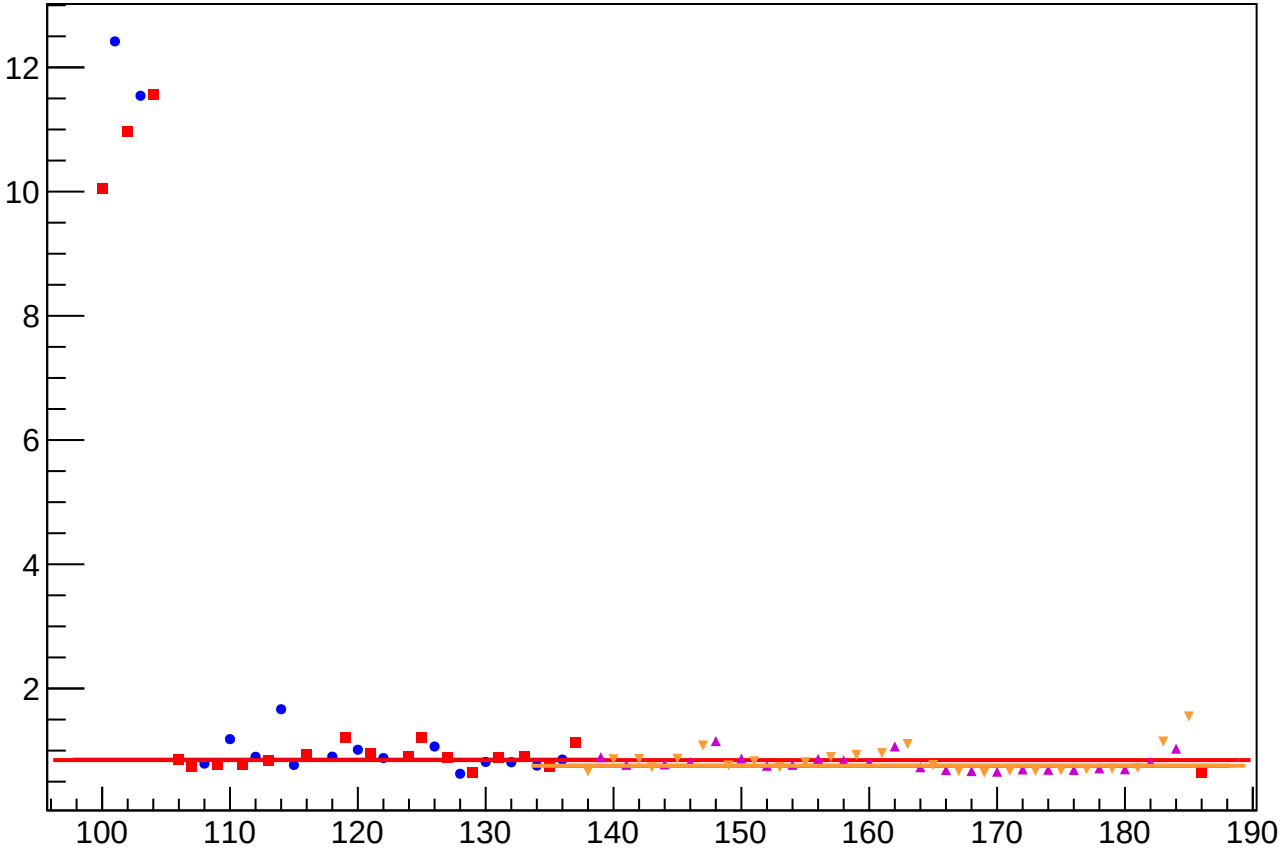
Right: 166.453+/-0.000 χ^2/NDF: 31675731668.3/35

In: 161.400+/-0.000 χ^2/NDF:18557898074.3/38

Out: 162.082+/-0.000 χ^2/NDF:20906710112.8/44

All: 161.750+/-0.000 χ^2/NDF: 39471501564.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

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

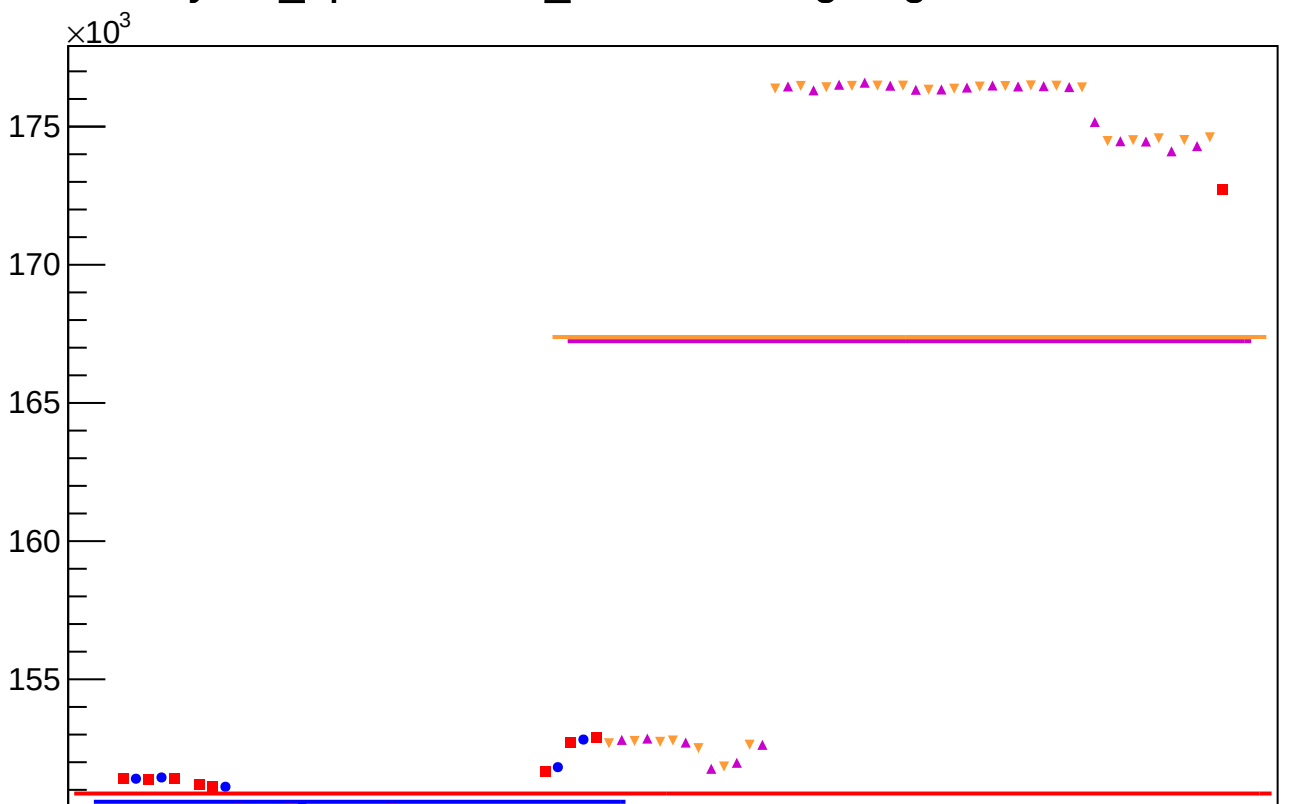
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.850+/-0.000 χ^2/NDF: 4551770.8/35

In: 0.773+/-0.000 χ^2/NDF:2857350.8/38

Out: 0.774+/-0.000 χ^2/NDF:3078200.9/44

All: 0.774+/-0.000 χ^2/NDF: 5935564.7/83



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150866.861+/-0.051 χ^2/NDF: 2800684535.7/19

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

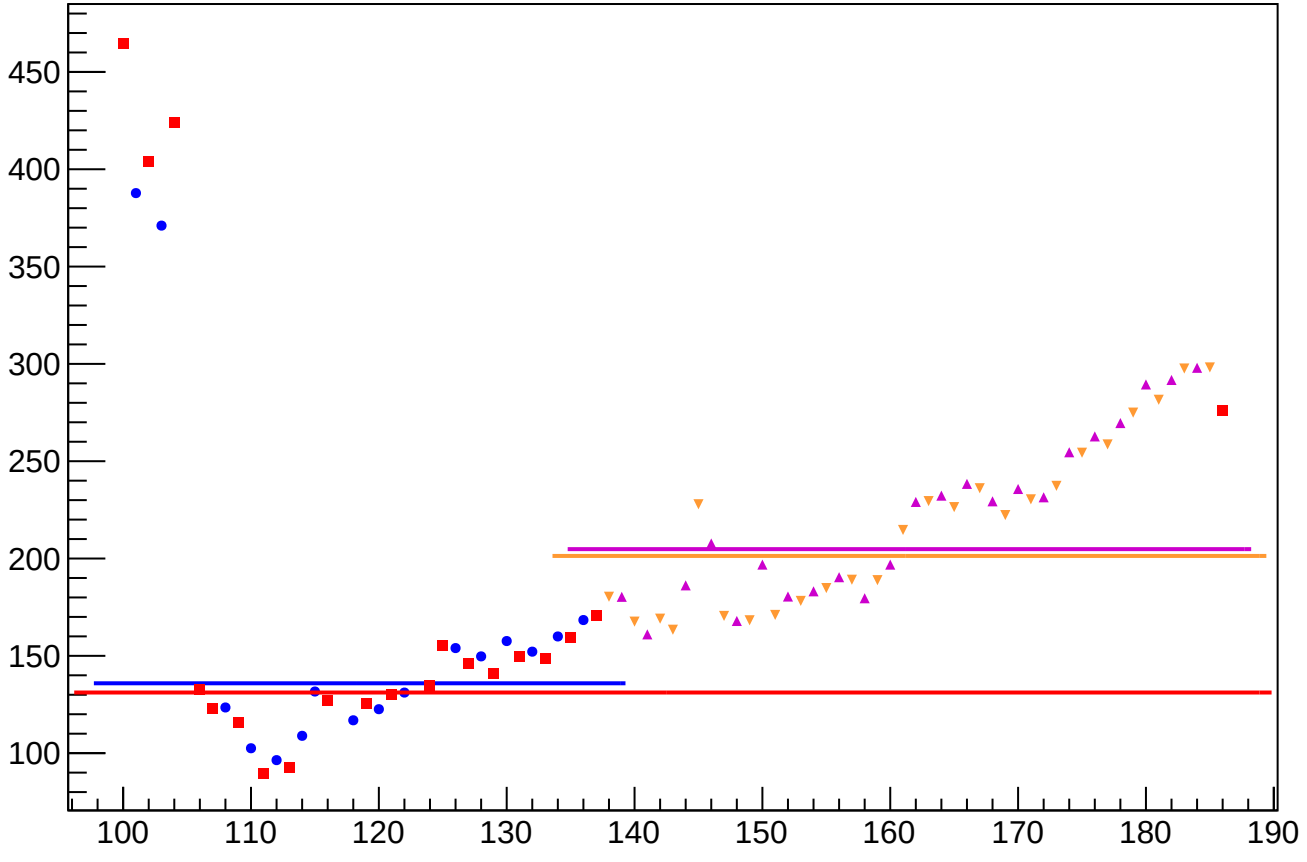
Right: 150729.014+/-0.037 χ^2/NDF: 3053876939.3

In: 159823.075+/-0.036 χ^2/NDF:107051357962.8

Out: 159786.315+/-0.034 χ^2/NDF:119881348878.

All: 159803.617+/-0.025 χ^2/NDF: 22693246

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

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

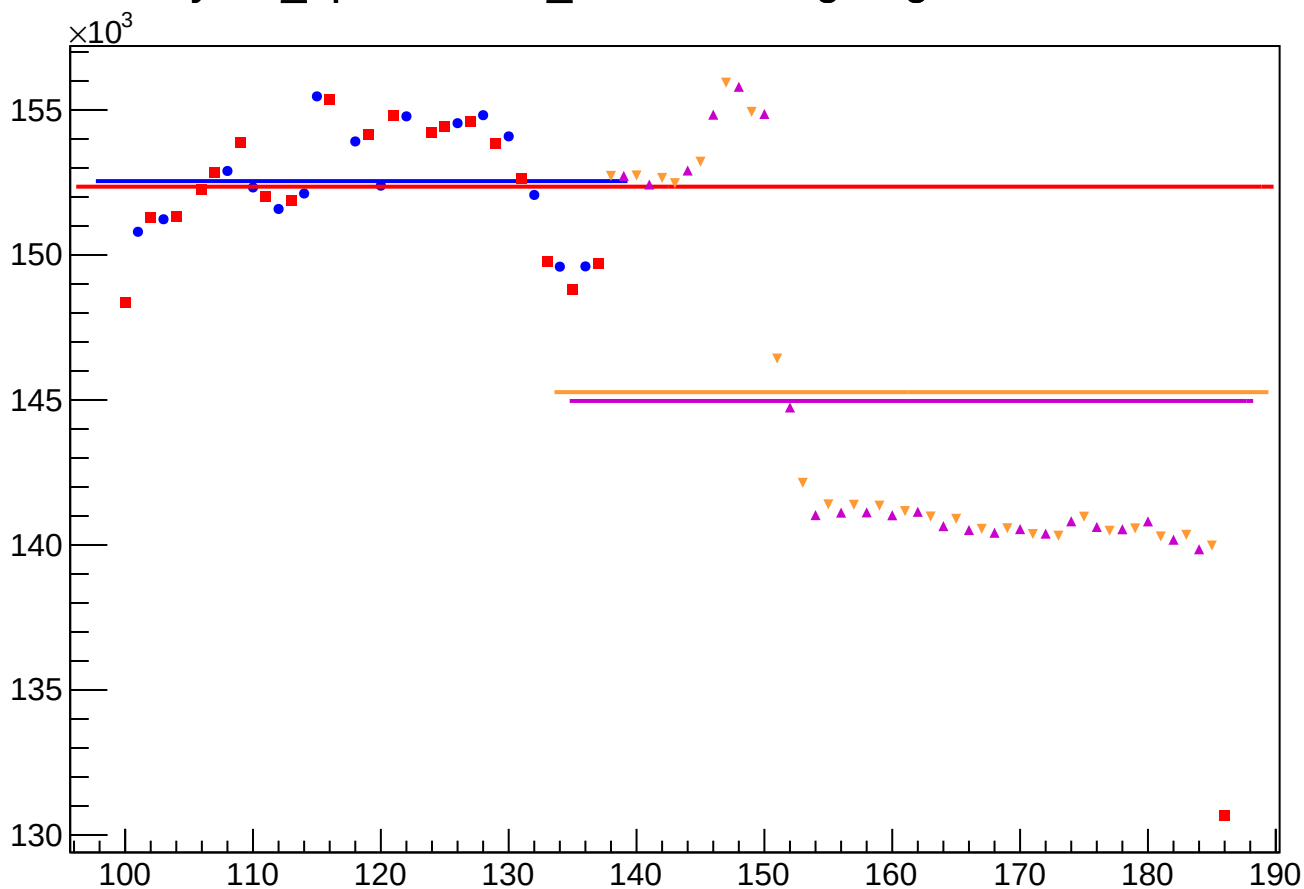
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 133.347+/-0.026 χ^2/NDF: 3268116.5/35

In: 174.173+/-0.026 χ^2/NDF:4238833.6/38

Out: 169.047+/-0.024 χ^2/NDF:5148843.5/44

All: 171.459+/-0.018 χ^2/NDF: 9408653.6/83



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

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

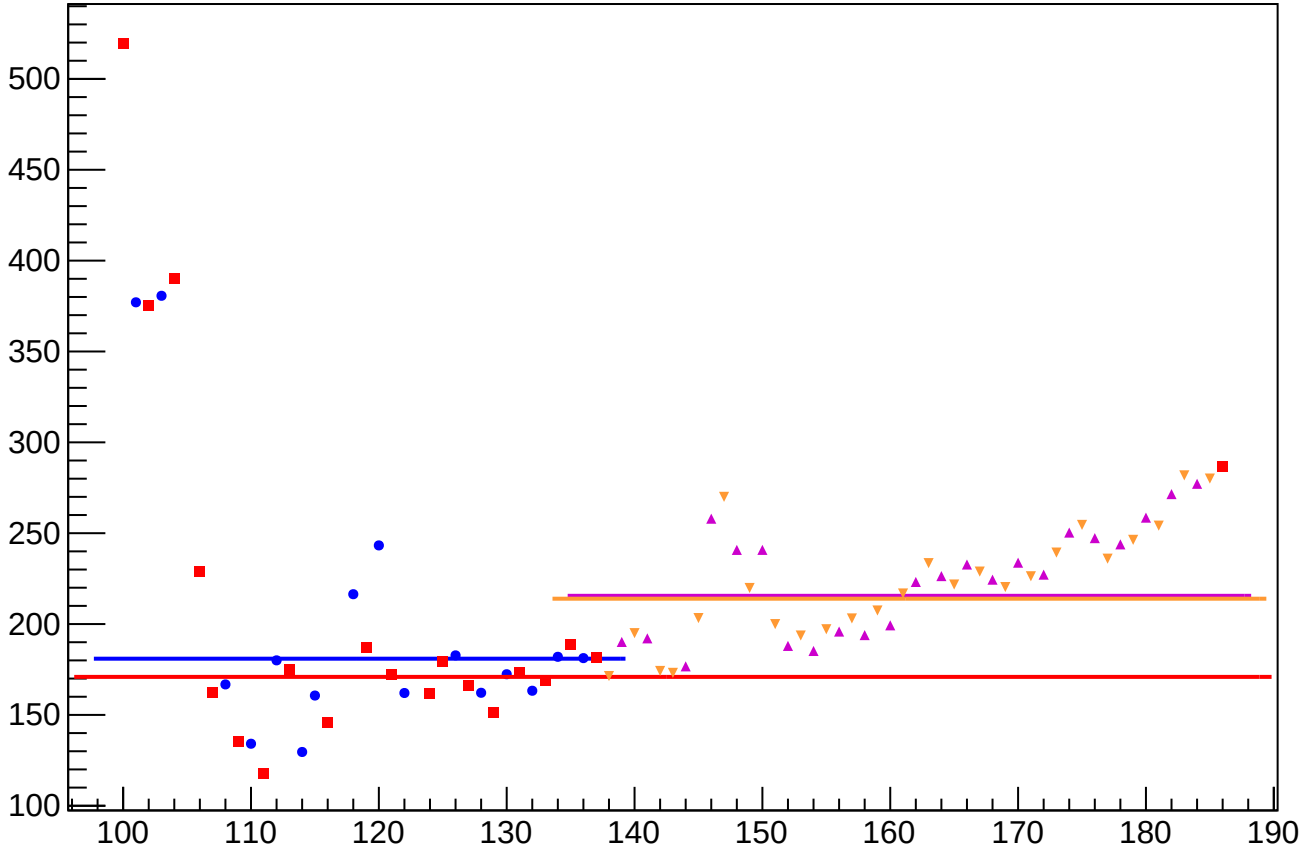
Right: 152442.177+/-0.049 χ^2/NDF: 3800881427.8/

In: 147483.877+/-0.042 χ^2/NDF:21087752769.3/3

Out: 147816.779+/-0.040 χ^2/NDF:24247950147.1

All: 147659.808+/-0.029 χ^2/NDF: 45369148

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

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

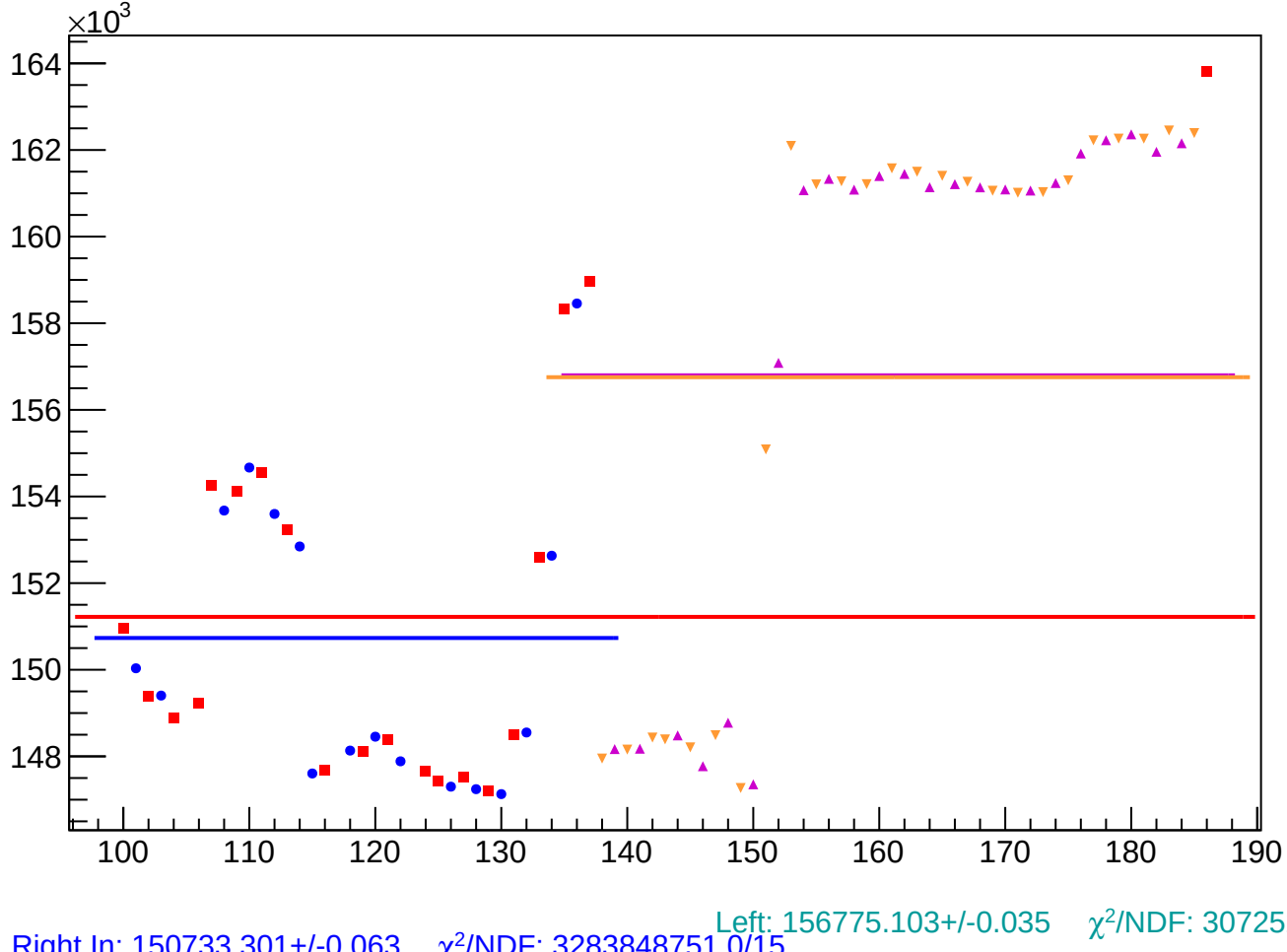
Right: 175.449+/-0.035 χ^2/NDF: 2154974.6/35

In: 204.048+/-0.030 χ^2/NDF:1811612.1/38

Out: 198.486+/-0.028 χ^2/NDF:2422600.1/44

All: 201.108+/-0.020 χ^2/NDF: 4252884.7/83

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151220.843+/-0.060 χ^2/NDF: 4003720548.8/19

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

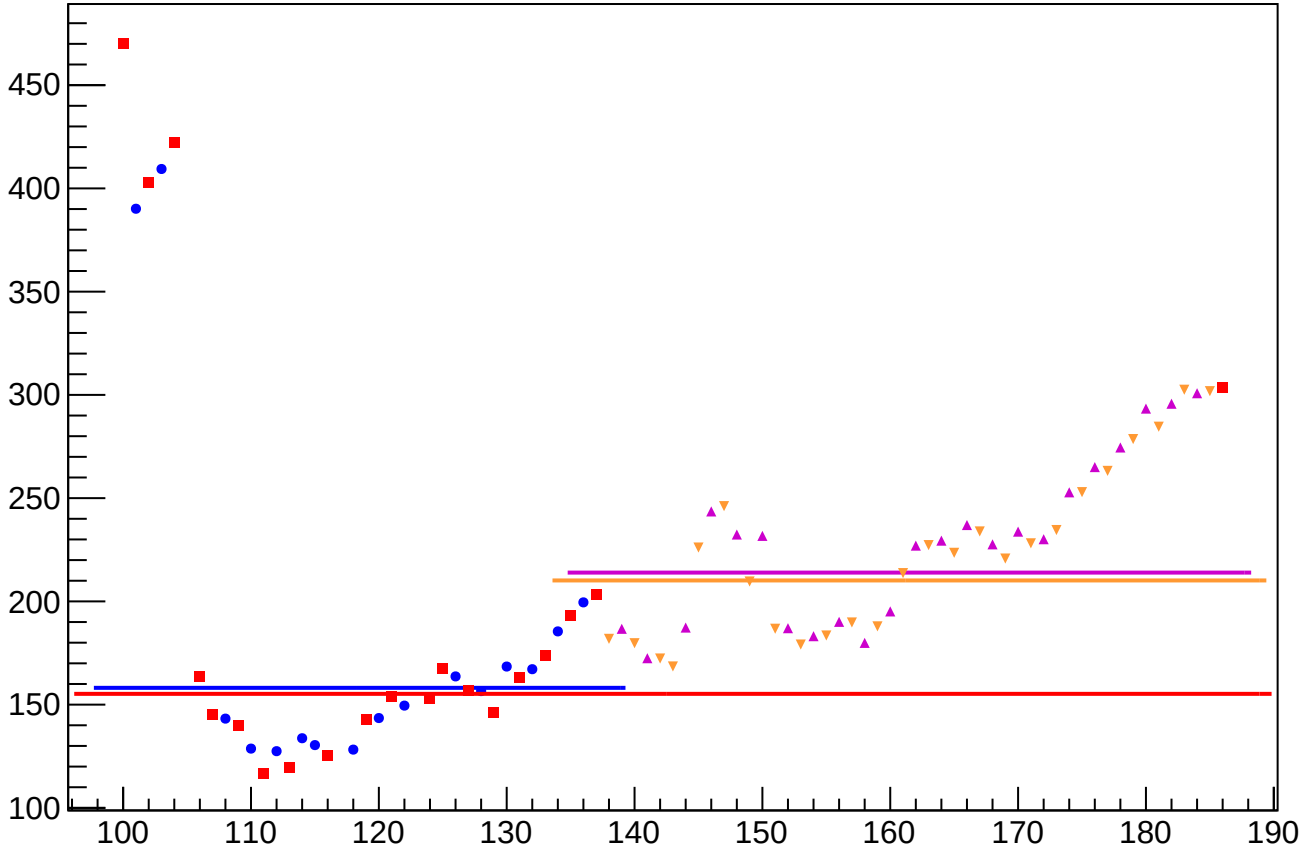
Right: 150990.278+/-0.043 χ^2/NDF: 7319237466.1

In: 154395.148+/-0.040 χ^2/NDF:23241356541.9/3

Out: 154541.243+/-0.038 χ^2/NDF:25560578759.2

All: 154471.811+/-0.027 χ^2/NDF: 48809080

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

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

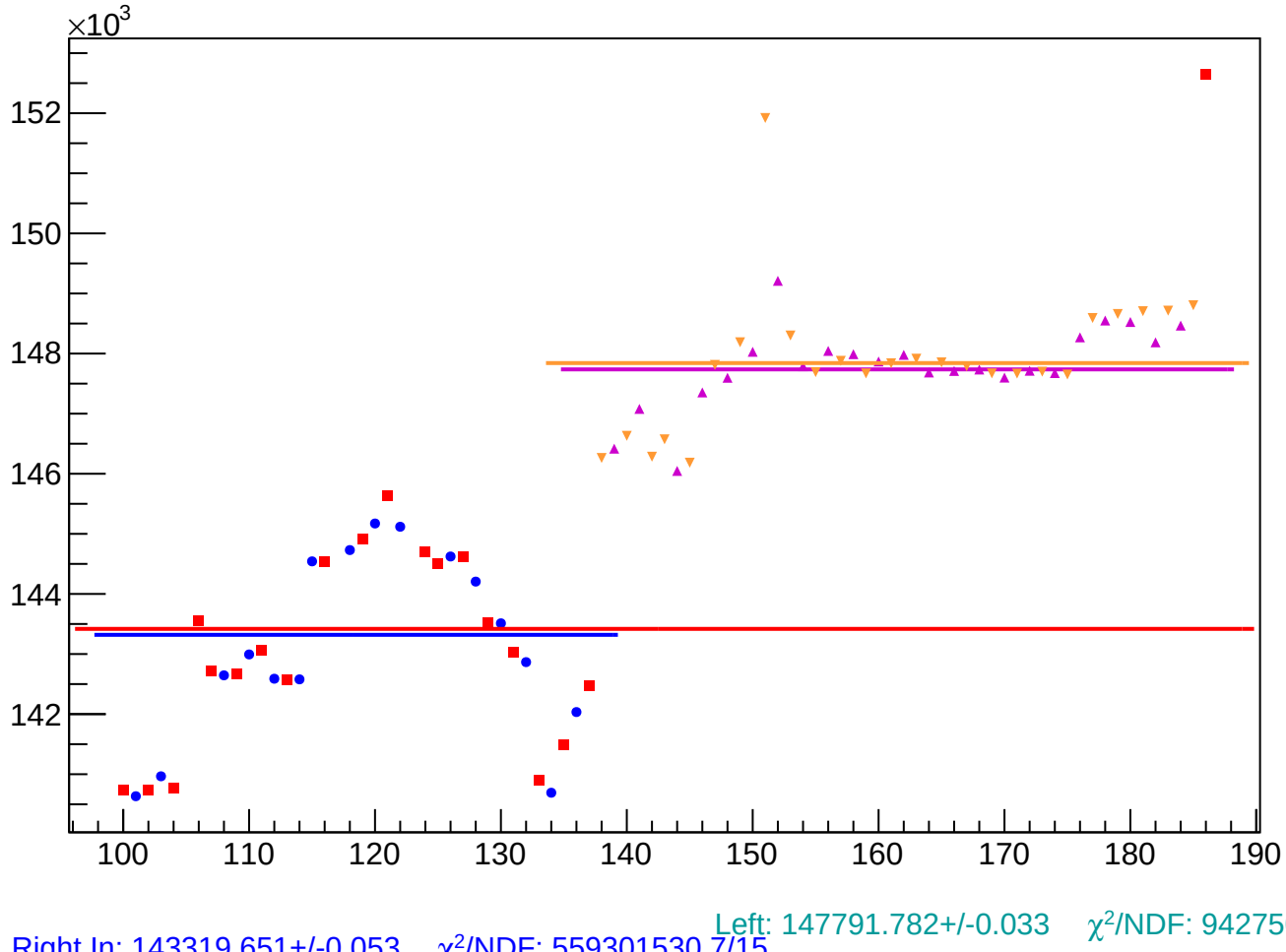
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 156.601+/-0.031 χ^2/NDF: 2661038.4/35

In: 191.834+/-0.028 χ^2/NDF:3060816.6/38

Out: 188.178+/-0.027 χ^2/NDF:3480633.3/44

All: 189.916+/-0.019 χ^2/NDF: 6550399.8/83


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
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142
100
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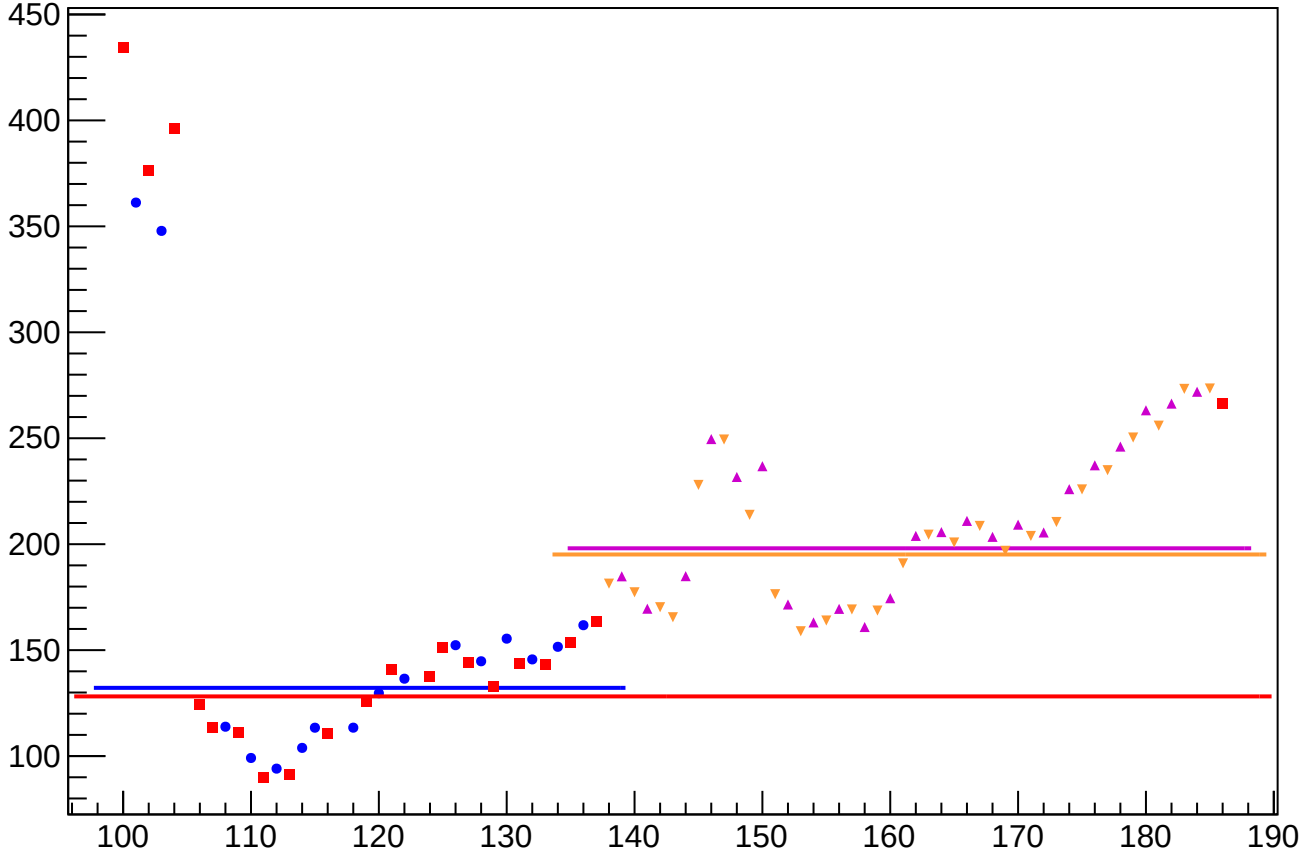
150
160
170
180
190
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 143418.687+/-0.049 χ²/NDF: 1119371127.6/19
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
Left: 147791.782+/-0.033 χ²/NDF: 942750848.6/47
Right: 143372.806+/-0.036 χ²/NDF: 1680537975.3/
In: 145788.885+/-0.035 χ²/NDF:4651029536.2/38
Out: 145827.826+/-0.033 χ²/NDF:6207156857.1/4
All: 145809.474+/-0.024 χ²/NDF: 10858830

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

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

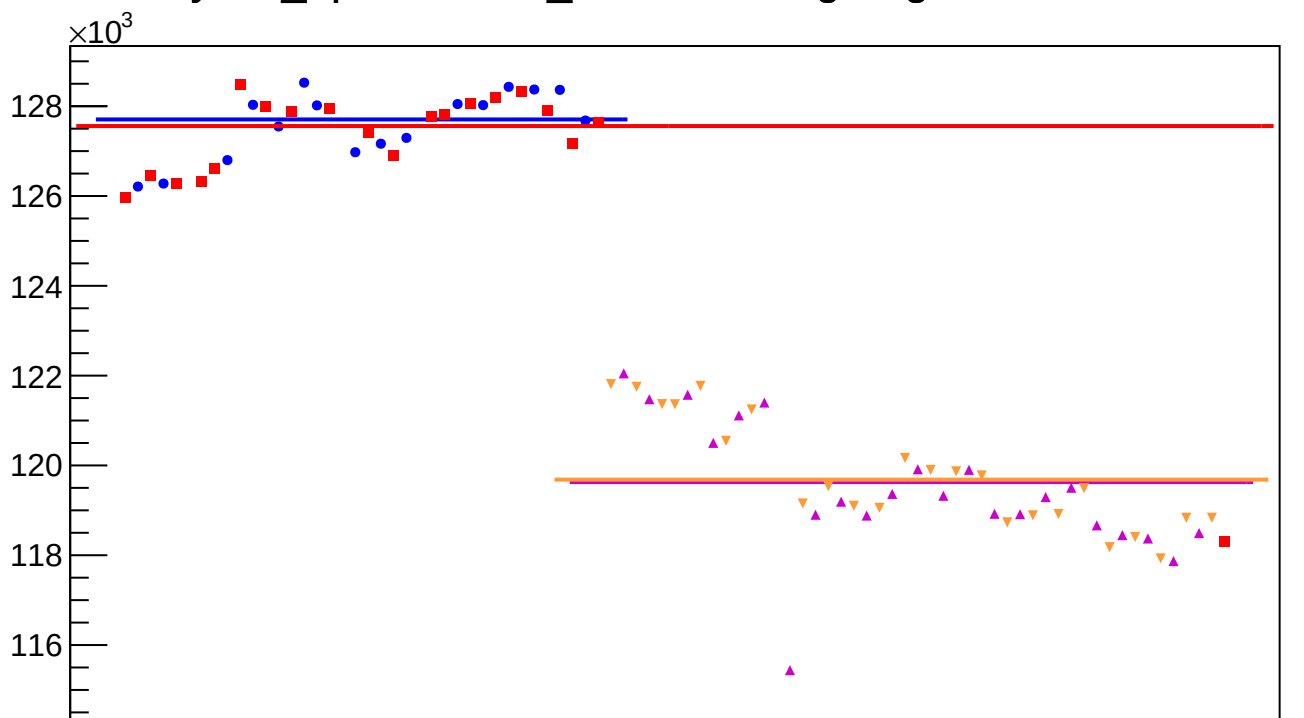
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 130.035+/-0.026 χ^2/NDF: 3153847.5/35

In: 169.017+/-0.025 χ^2/NDF:3997503.8/38

Out: 164.643+/-0.024 χ^2/NDF:4678704.0/44

All: 166.705+/-0.017 χ^2/NDF: 8692463.5/83



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 127558.313+/-0.054 χ^2/NDF: 660511636.5/19

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

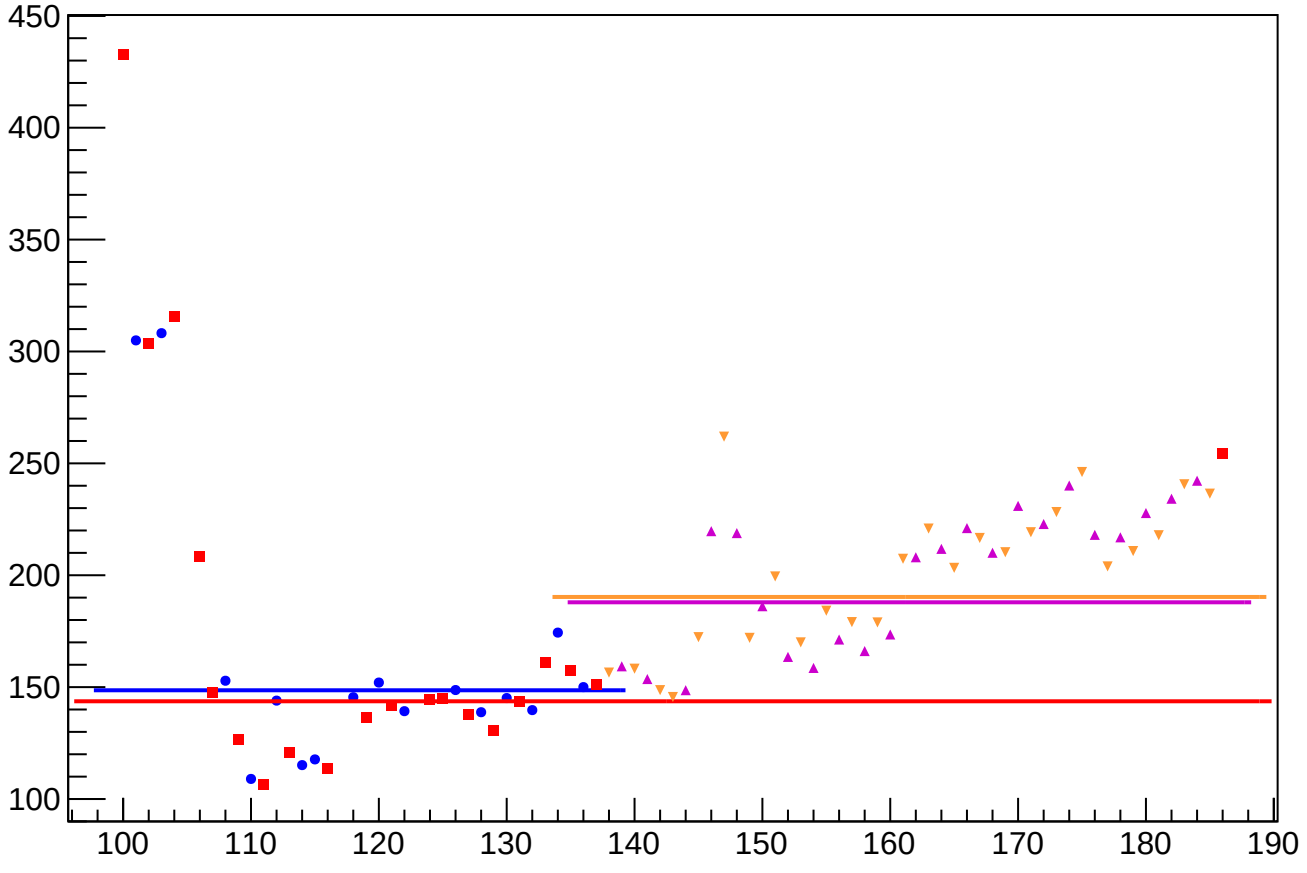
Right: 127626.541+/-0.040 χ^2/NDF: 768366104.3/3

In: 122635.950+/-0.036 χ^2/NDF:13418195185.0/3

Out: 122820.562+/-0.034 χ^2/NDF:15254669840.1

All: 122731.707+/-0.025 χ^2/NDF: 28686780

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

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

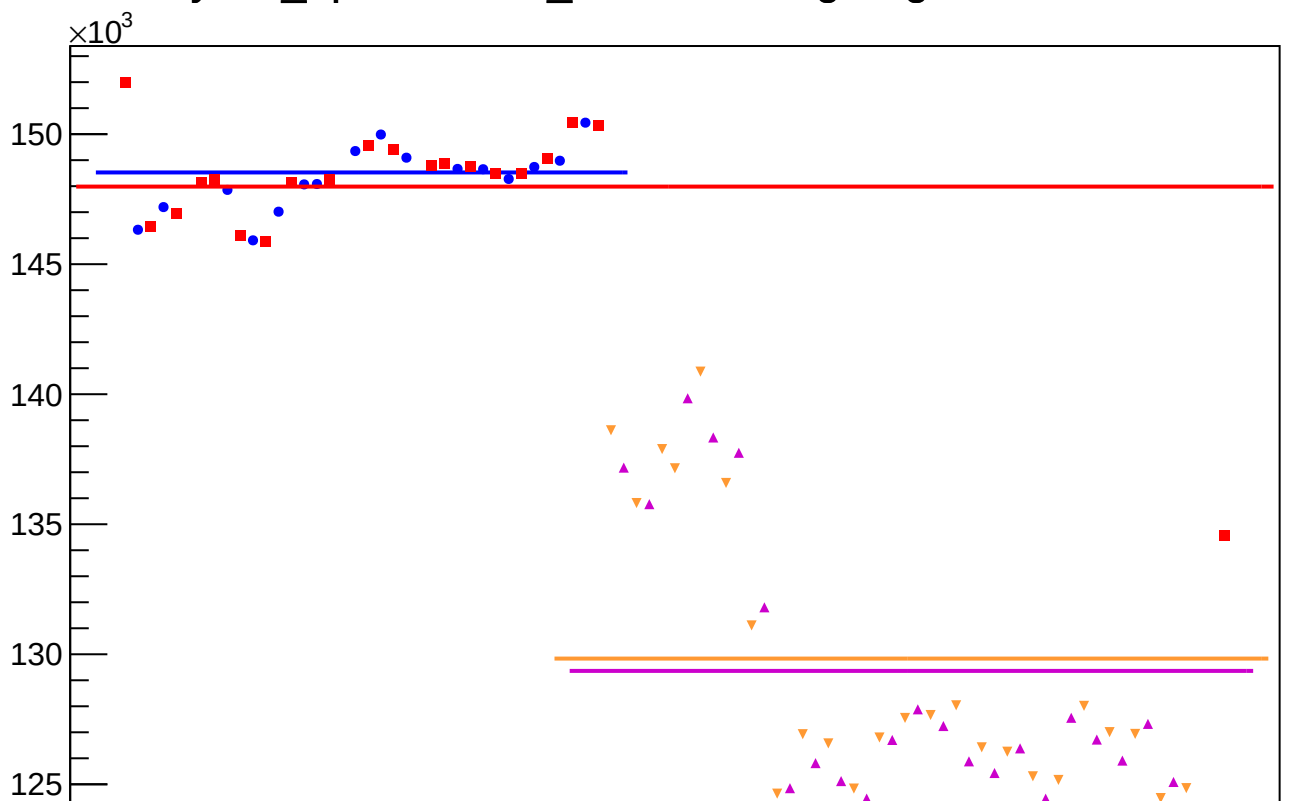
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 145.958+/-0.028 χ^2/NDF: 1994630.9/35

In: 173.273+/-0.025 χ^2/NDF:2322418.4/38

Out: 171.724+/-0.024 χ^2/NDF:2967806.1/44

All: 172.469+/-0.017 χ^2/NDF: 5292181.9/83



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

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

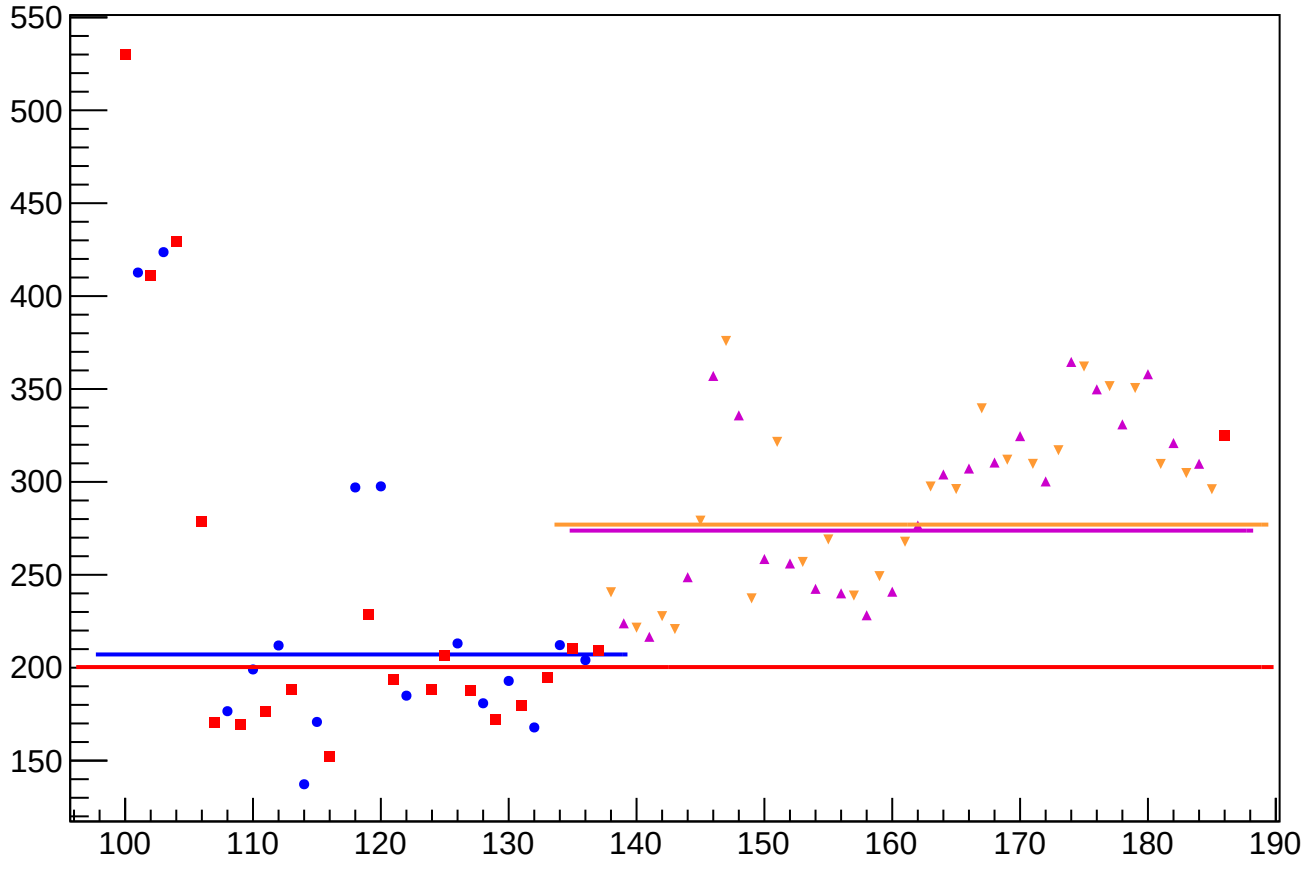
Right: 148234.522+/-0.056 χ^2/NDF: 1224390555.9/

In: 136812.647+/-0.051 χ^2/NDF:40278511937.3/3

Out: 137419.134+/-0.049 χ^2/NDF:41185157039.0

All: 137128.685+/-0.035 χ^2/NDF: 81537093

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

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

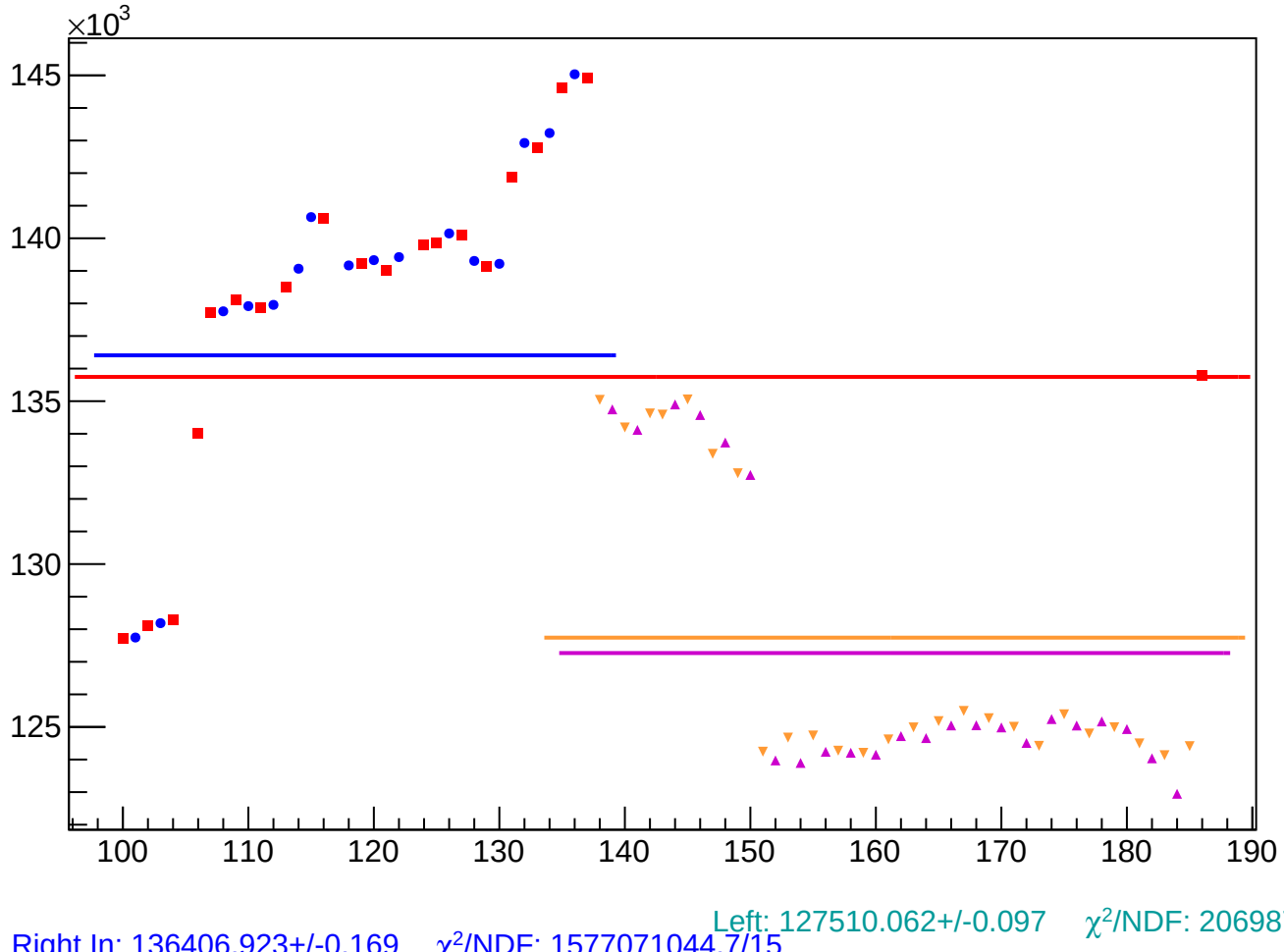
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 203.475+/-0.039 χ^2/NDF: 2004316.8/35

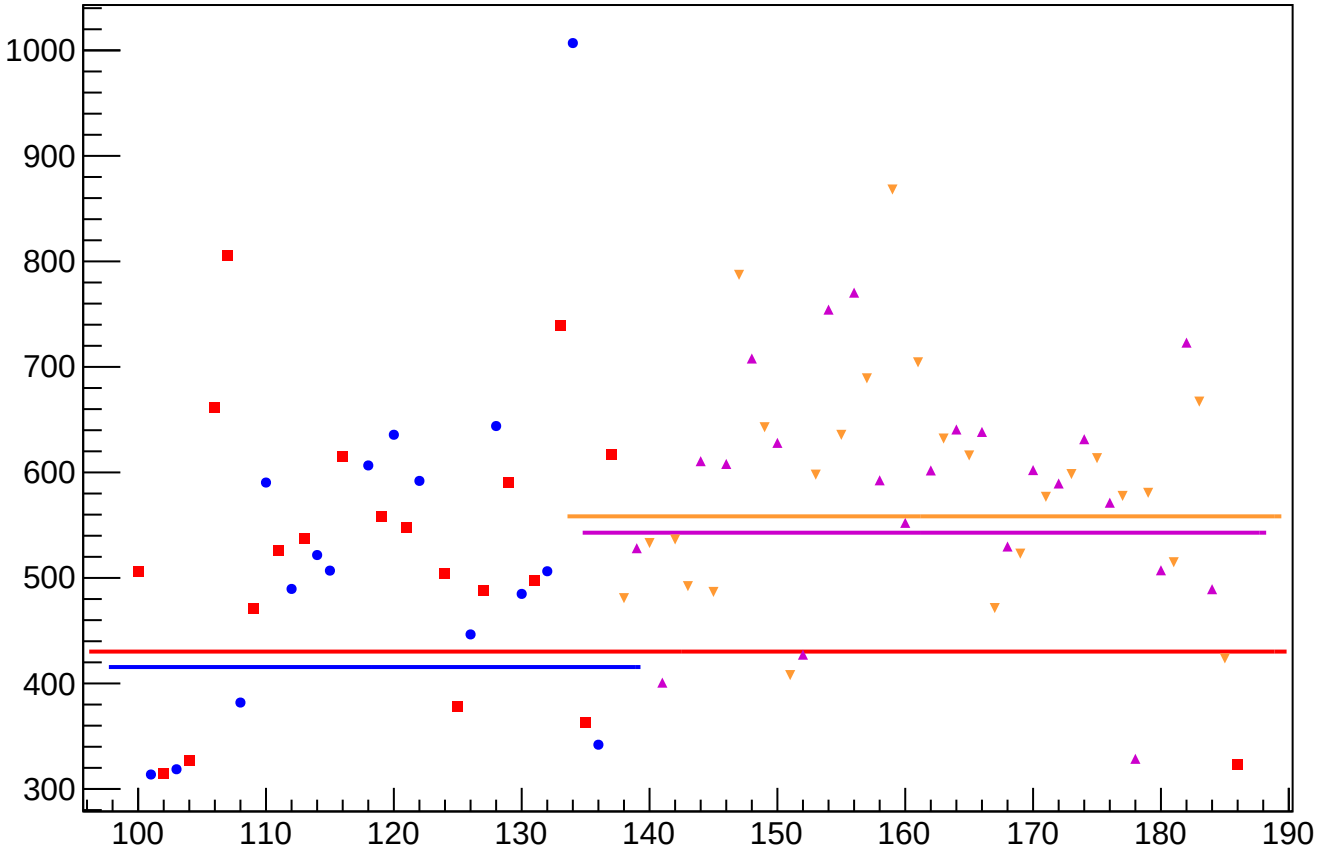
In: 247.871+/-0.036 χ^2/NDF:2784878.8/38

Out: 244.978+/-0.035 χ^2/NDF:3163538.3/44

All: 246.364+/-0.025 χ^2/NDF: 5951758.9/83


yield_bpm0l03WS_mean vs Slug, Sign Corrected
×10^3
145
140
135
130
125
100
110
120
130
140
150
160
170
180
190
Right In: 136406.923+/-0.169 χ²/NDF: 1577071044.7/15
Left Out: 127741.156+/-0.136 χ²/NDF:1092529845.6/24
Right Out: 135744.151+/-0.169 χ²/NDF: 1174136214.0/19
Left In: 127268.542+/-0.139 χ²/NDF:971404491.0/22
Left: 127510.062+/-0.097 χ²/NDF: 2069876354.9/4
Right: 136076.264+/-0.119 χ²/NDF: 2758919007.5/
In: 130954.371+/-0.107 χ²/NDF:4301863225.0/38
Out: 130876.064+/-0.106 χ²/NDF:3631611565.3/4
All: 130914.731+/-0.075 χ²/NDF: 79337456

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

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

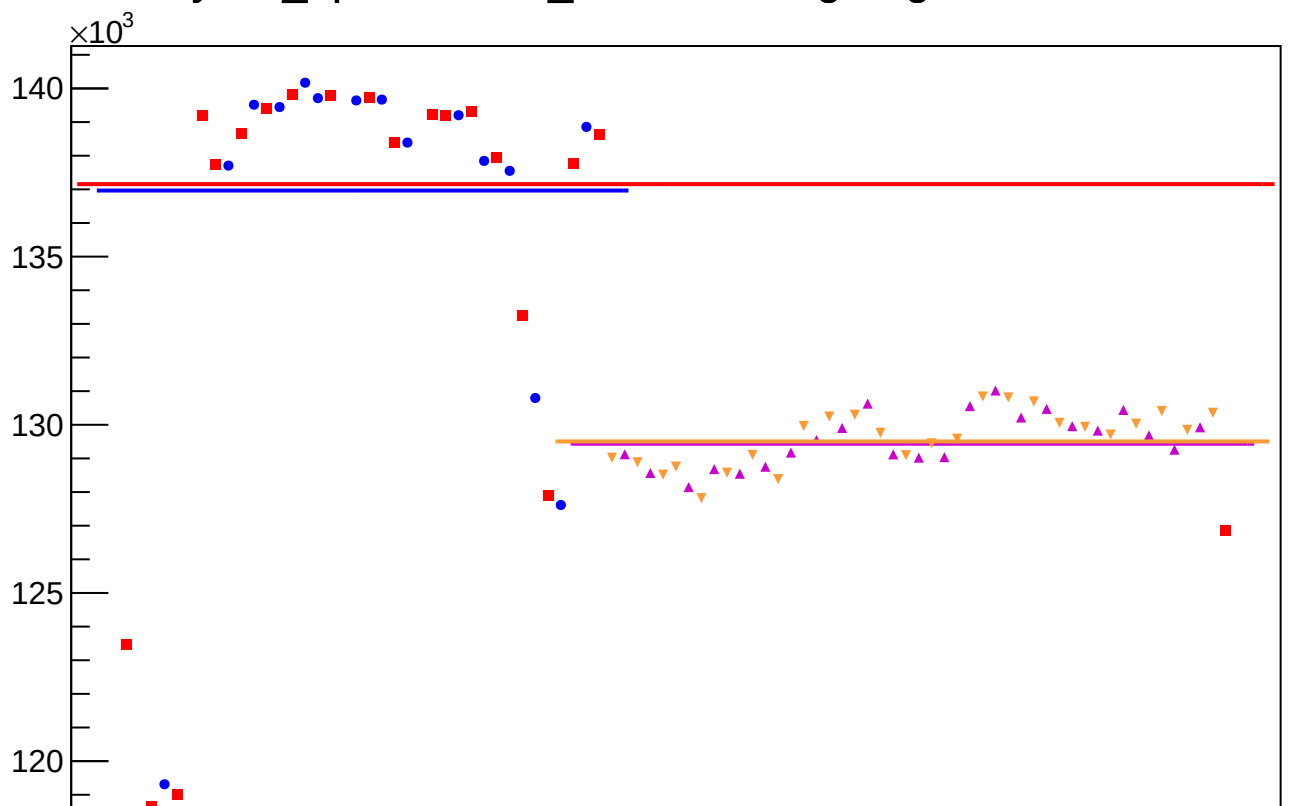
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 422.860+/-0.084 χ^2/NDF: 2025036.4/35

In: 491.518+/-0.076 χ^2/NDF:3129052.1/38

Out: 508.167+/-0.075 χ^2/NDF:2654353.0/44

All: 499.946+/-0.053 χ^2/NDF: 5807890.6/83



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

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

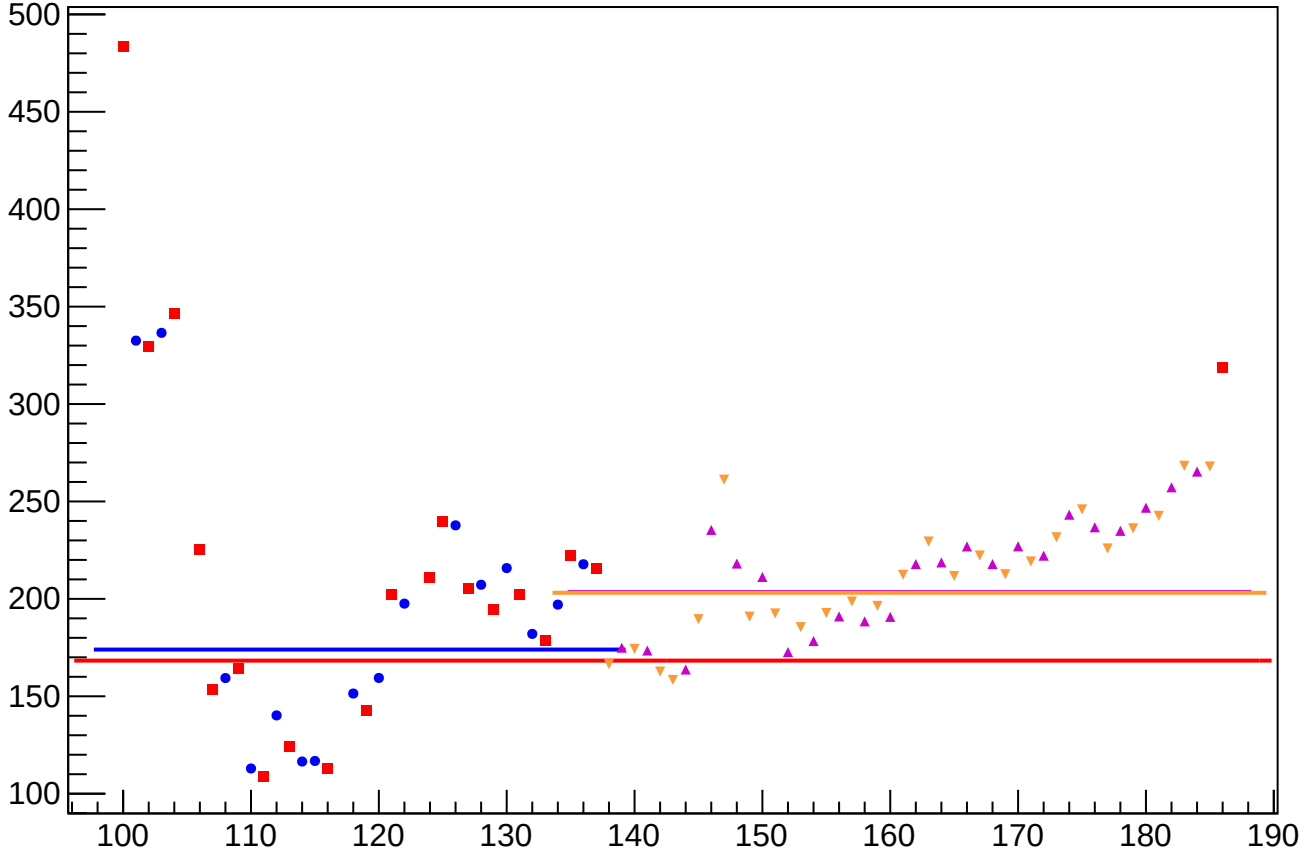
Right: 137066.234+/-0.048 χ^2/NDF: 11969869280.8

In: 131887.231+/-0.040 χ^2/NDF:13938355923.2/3

Out: 132126.641+/-0.038 χ^2/NDF:15537328797.5

All: 132012.084+/-0.028 χ^2/NDF: 29494576

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

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

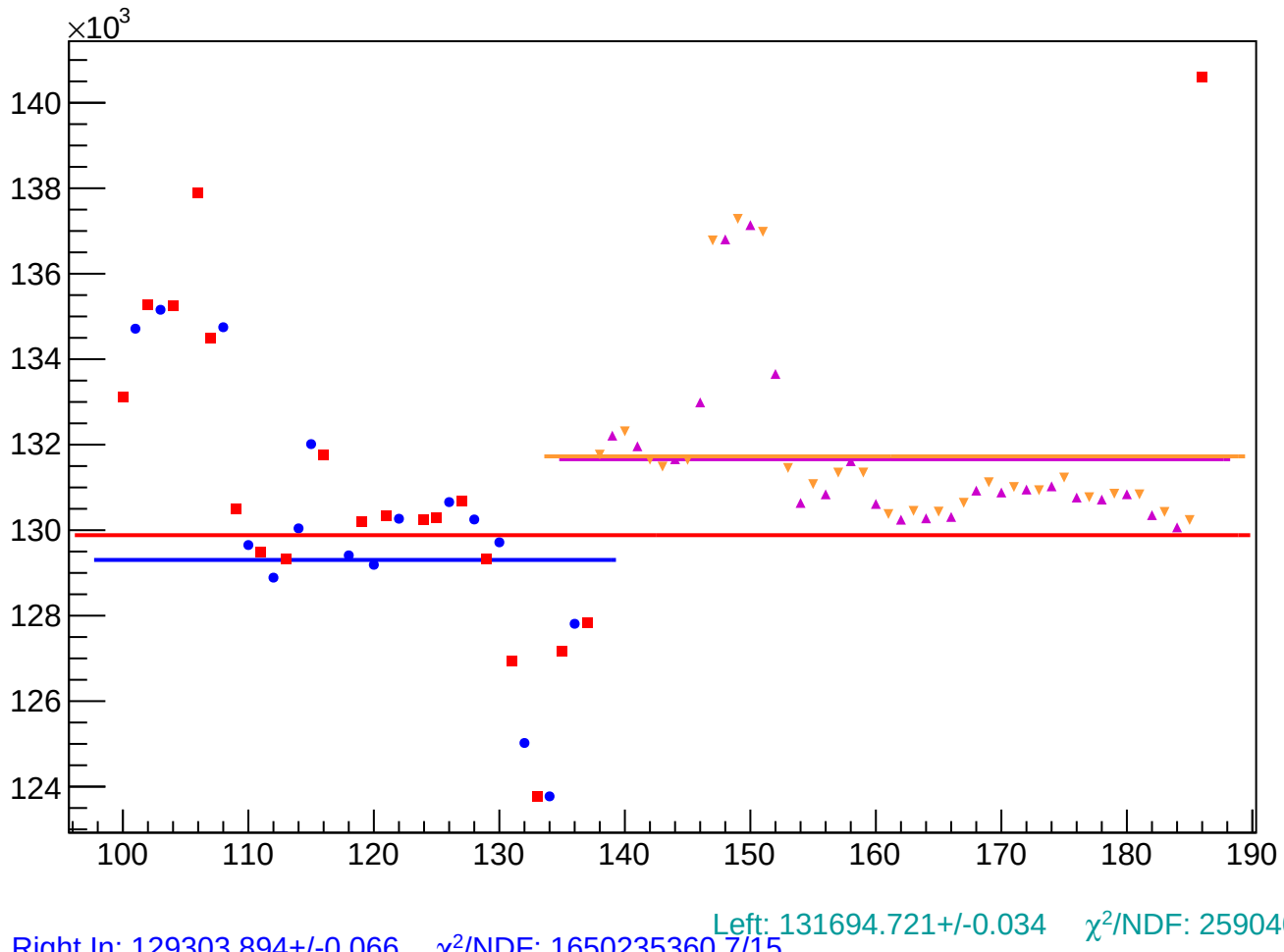
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 170.950+/-0.034 χ^2/NDF: 2808386.6/35

In: 193.925+/-0.028 χ^2/NDF:2097083.7/38

Out: 191.195+/-0.027 χ^2/NDF:2747523.5/44

All: 192.501+/-0.019 χ^2/NDF: 4849519.5/83


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
140
138
136
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132
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128
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124
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120
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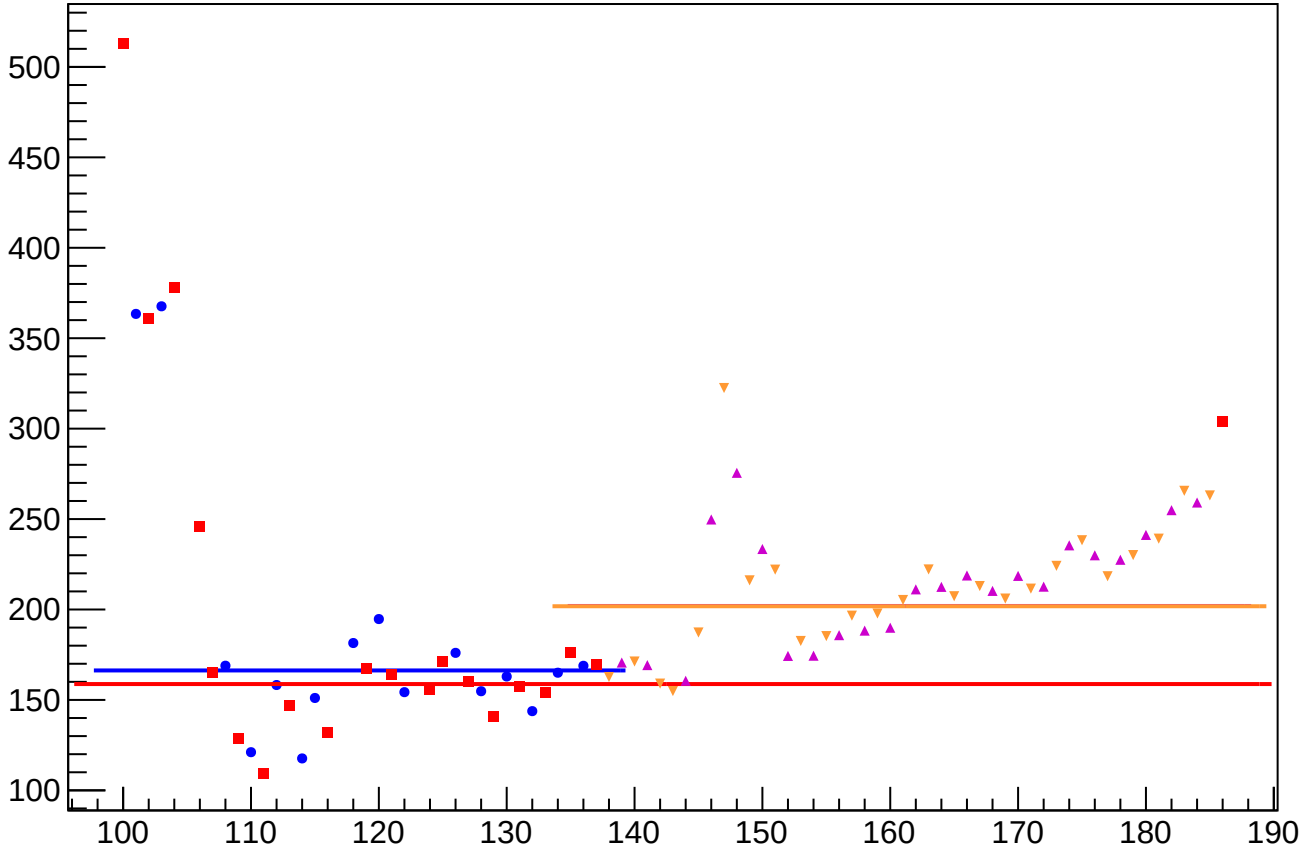
140
150
160
170
180
190
Right In: 129303.894+/-0.066 χ²/NDF: 1650235360.7/15
Left Out: 131727.086+/-0.047 χ²/NDF:1425045697.6/24
Right Out: 129882.909+/-0.061 χ²/NDF: 2296477847.8/19
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131694.721+/-0.034 χ²/NDF: 2590408205.6/4
Right: 129616.890+/-0.045 χ²/NDF: 3988065512.0/
In: 130844.566+/-0.039 χ²/NDF:3643065448.4/38
Out: 131043.385+/-0.037 χ²/NDF:4296084753.7/4
All: 130948.656+/-0.027 χ²/NDF: 79527889

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

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

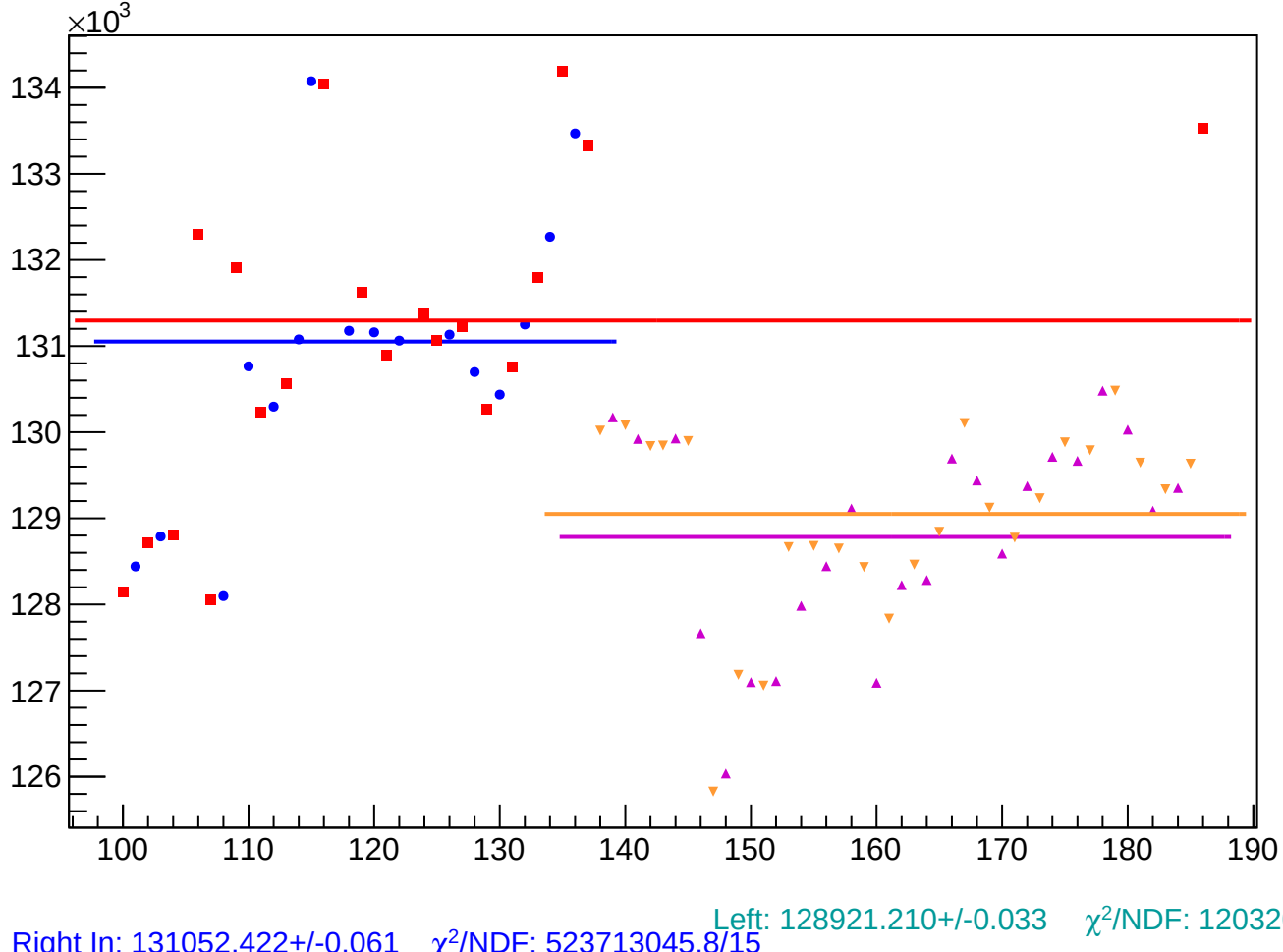
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 162.234+/-0.032 χ^2/NDF: 2315128.1/35

In: 189.606+/-0.028 χ^2/NDF:2119711.0/38

Out: 185.849+/-0.026 χ^2/NDF:2893910.3/44

All: 187.639+/-0.019 χ^2/NDF: 5023362.2/83



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131296.359+/-0.056 χ^2/NDF: 628370693.7/19

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

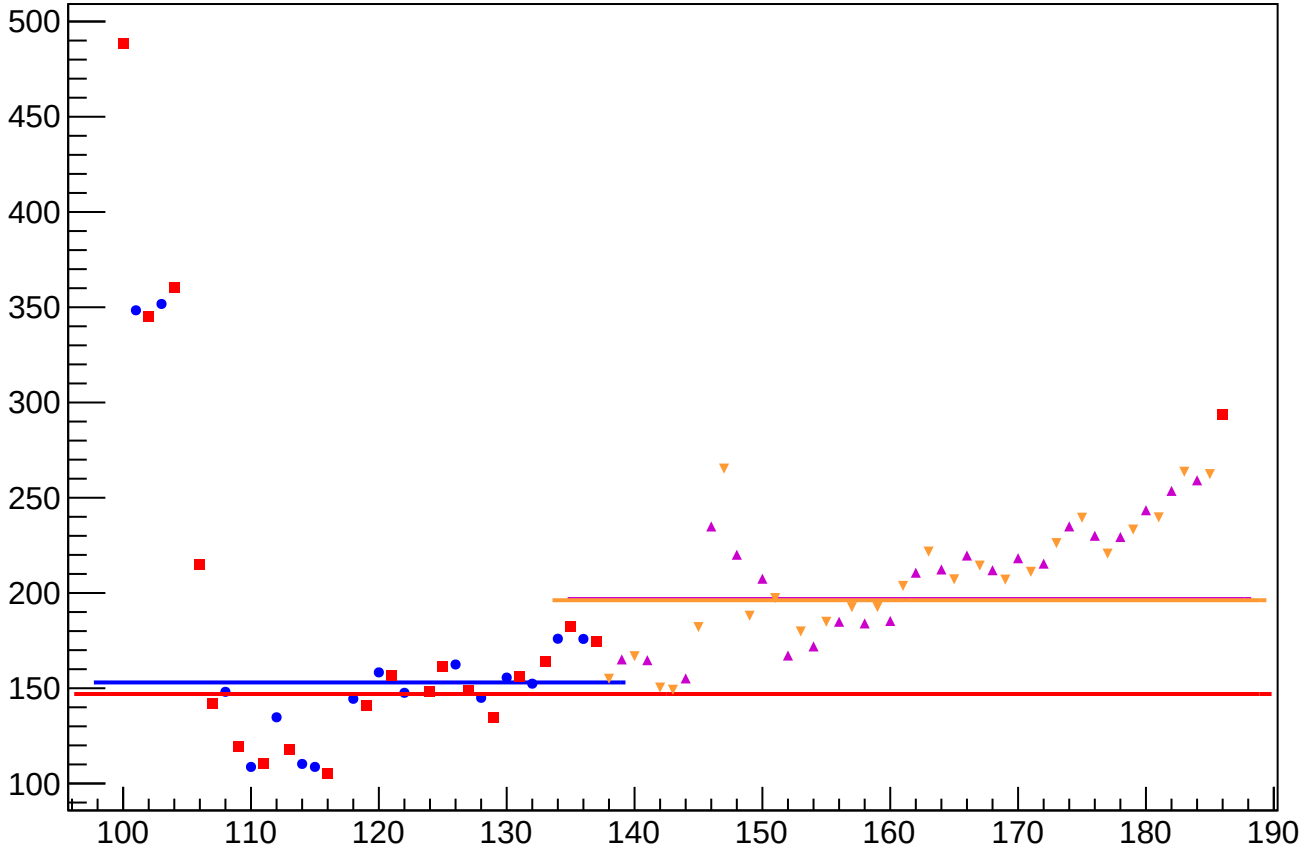
Right: 131183.570+/-0.041 χ^2/NDF: 1160783730.6/

In: 129632.868+/-0.037 χ^2/NDF:2055138904.2/38

Out: 129938.809+/-0.035 χ^2/NDF:2123341661.3/4

All: 129793.135+/-0.026 χ^2/NDF: 42141089

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

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

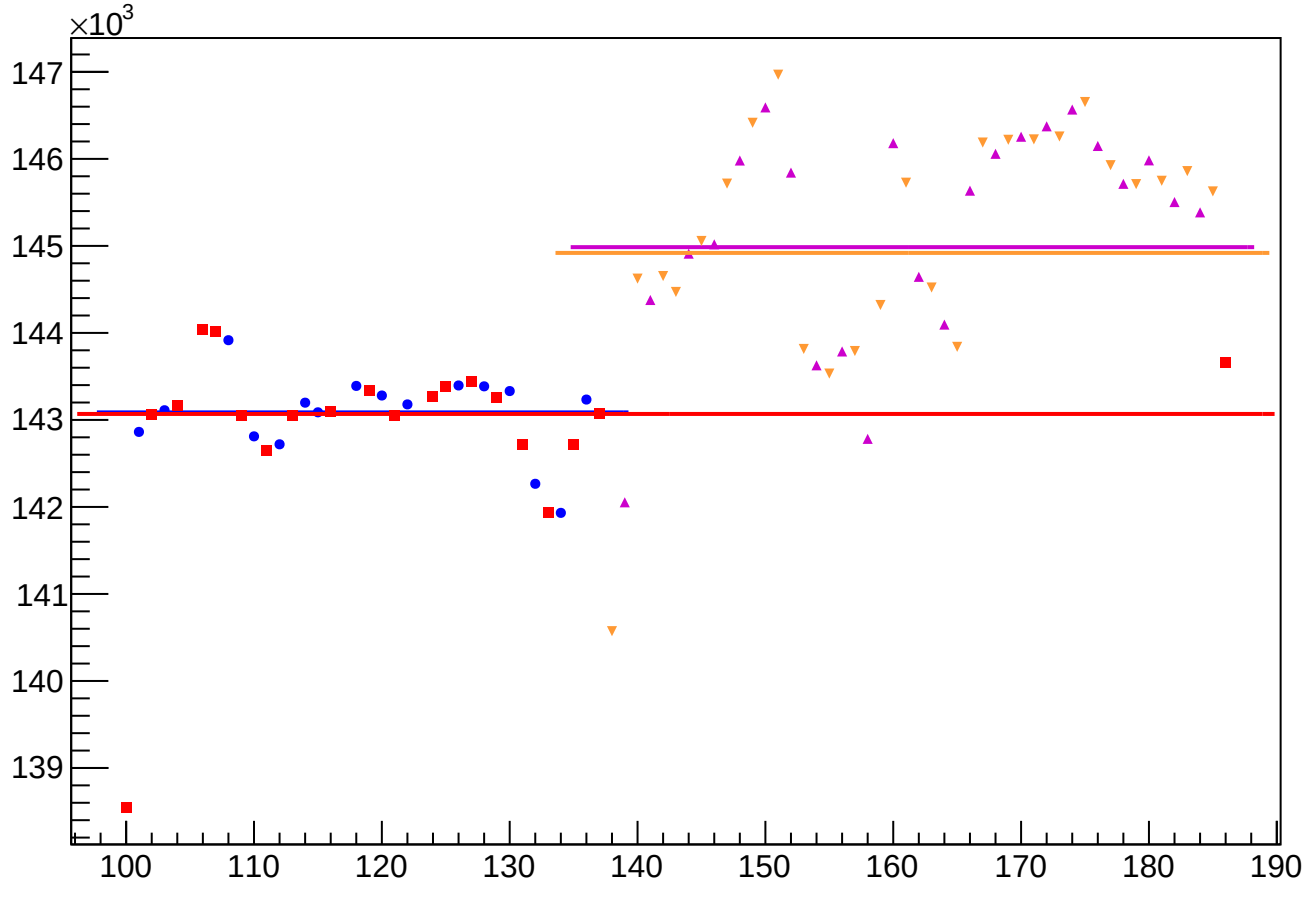
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 149.780+/-0.029 χ^2/NDF: 2542064.3/35

In: 180.449+/-0.026 χ^2/NDF:2485357.7/38

Out: 176.731+/-0.025 χ^2/NDF:3321036.4/44

All: 178.501+/-0.018 χ^2/NDF: 5816915.4/83


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
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150
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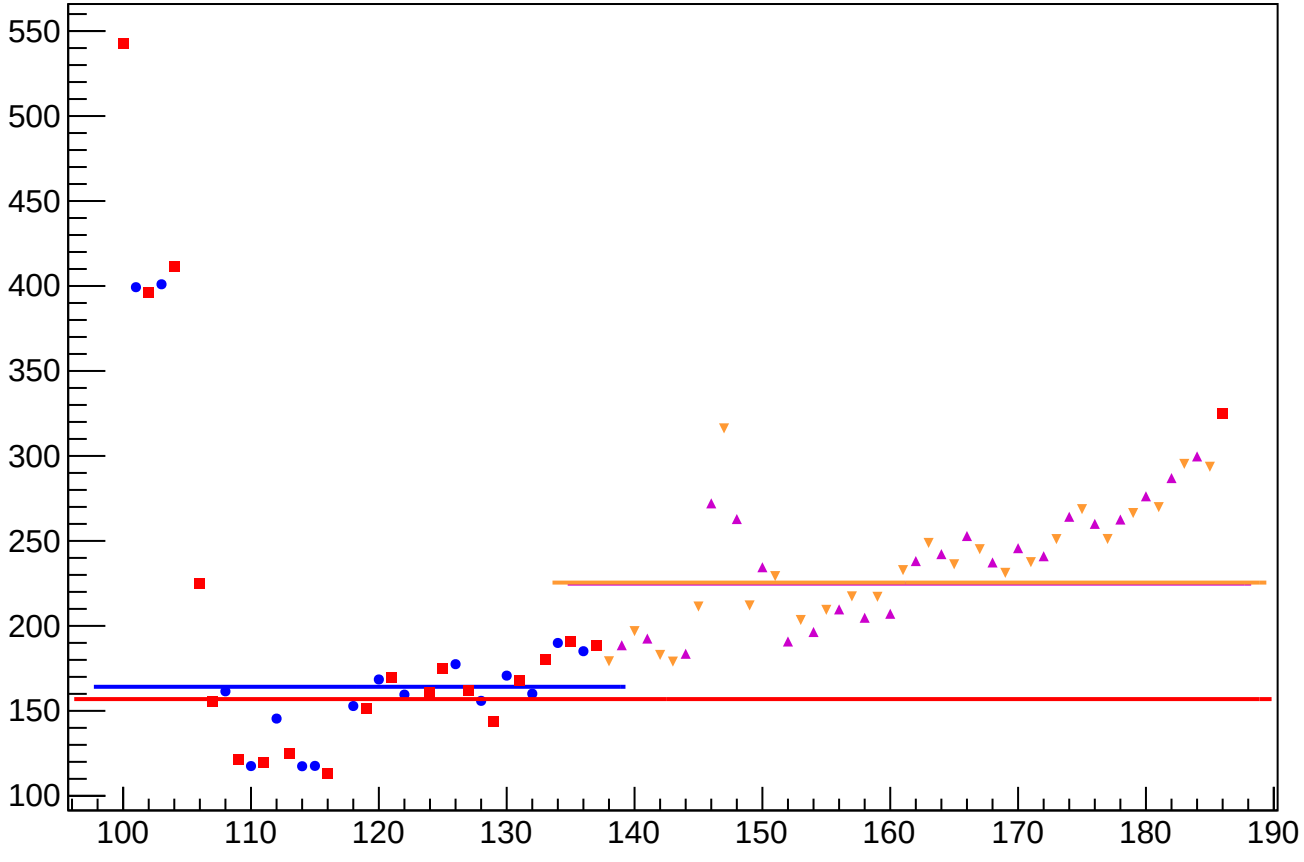
170
180
190
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143068.654+/-0.060 χ²/NDF: 53090100.6/19
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143076.876+/-0.044 χ²/NDF: 99856773.4/35
In: 144218.510+/-0.041 χ²/NDF:1173047829.8/38
Out: 144125.088+/-0.039 χ²/NDF:1427522284.5/4
All: 144169.601+/-0.029 χ²/NDF: 260324072

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

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

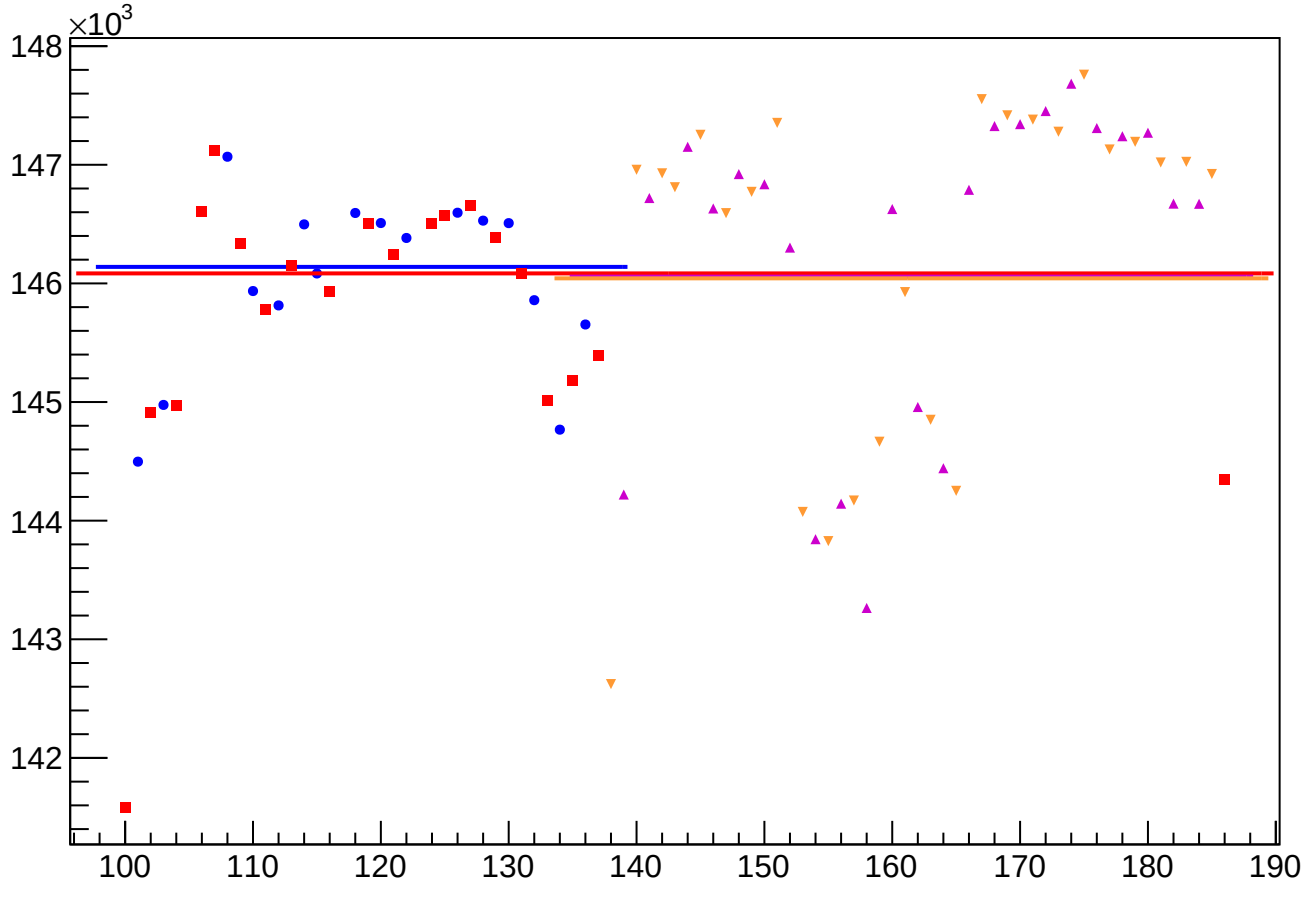
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 160.268+/-0.031 χ^2/NDF: 2729637.2/35

In: 200.350+/-0.029 χ^2/NDF:2890643.5/38

Out: 196.056+/-0.028 χ^2/NDF:3840548.8/44

All: 198.102+/-0.020 χ^2/NDF: 6742476.1/83



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

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

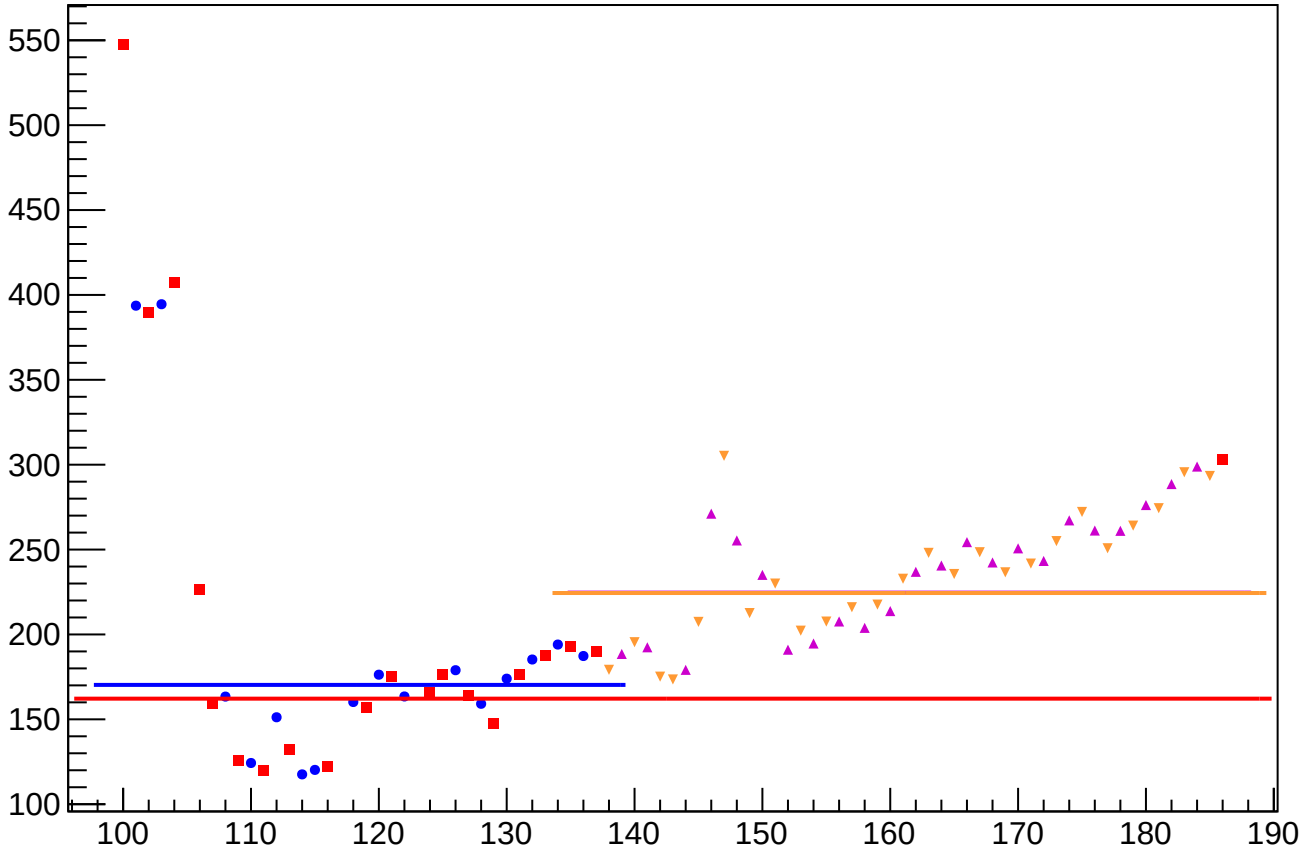
Right: 146109.454+/-0.046 χ^2/NDF: 158813043.0/3

In: 146088.645+/-0.042 χ^2/NDF:771384553.1/38

Out: 146059.860+/-0.040 χ^2/NDF:969701168.1/44

All: 146073.514+/-0.029 χ^2/NDF: 17413334

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

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

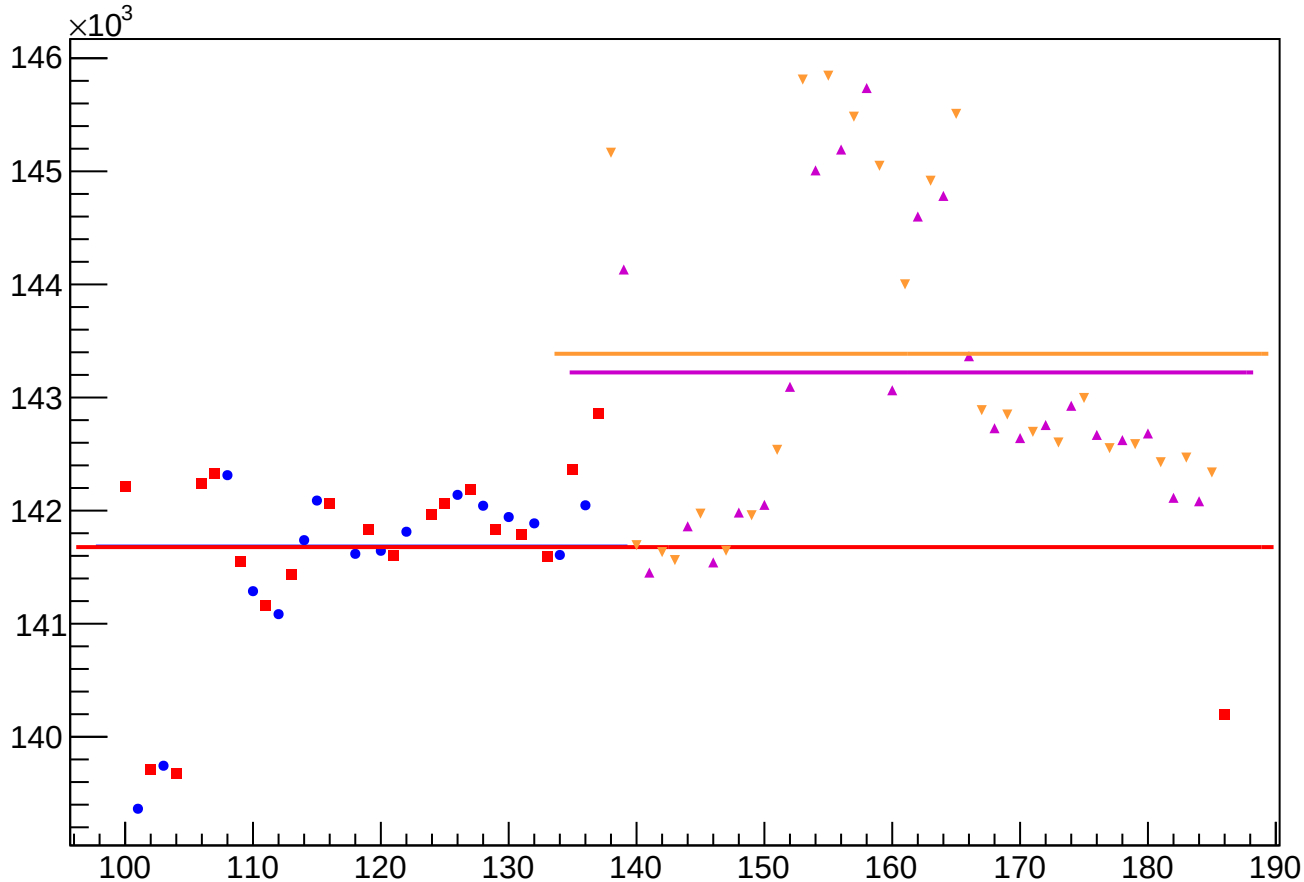
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 165.889+/-0.032 χ^2/NDF: 2545286.8/35

In: 203.604+/-0.030 χ^2/NDF:2612612.1/38

Out: 198.678+/-0.028 χ^2/NDF:3504982.4/44

All: 201.015+/-0.020 χ^2/NDF: 6132101.0/83



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

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

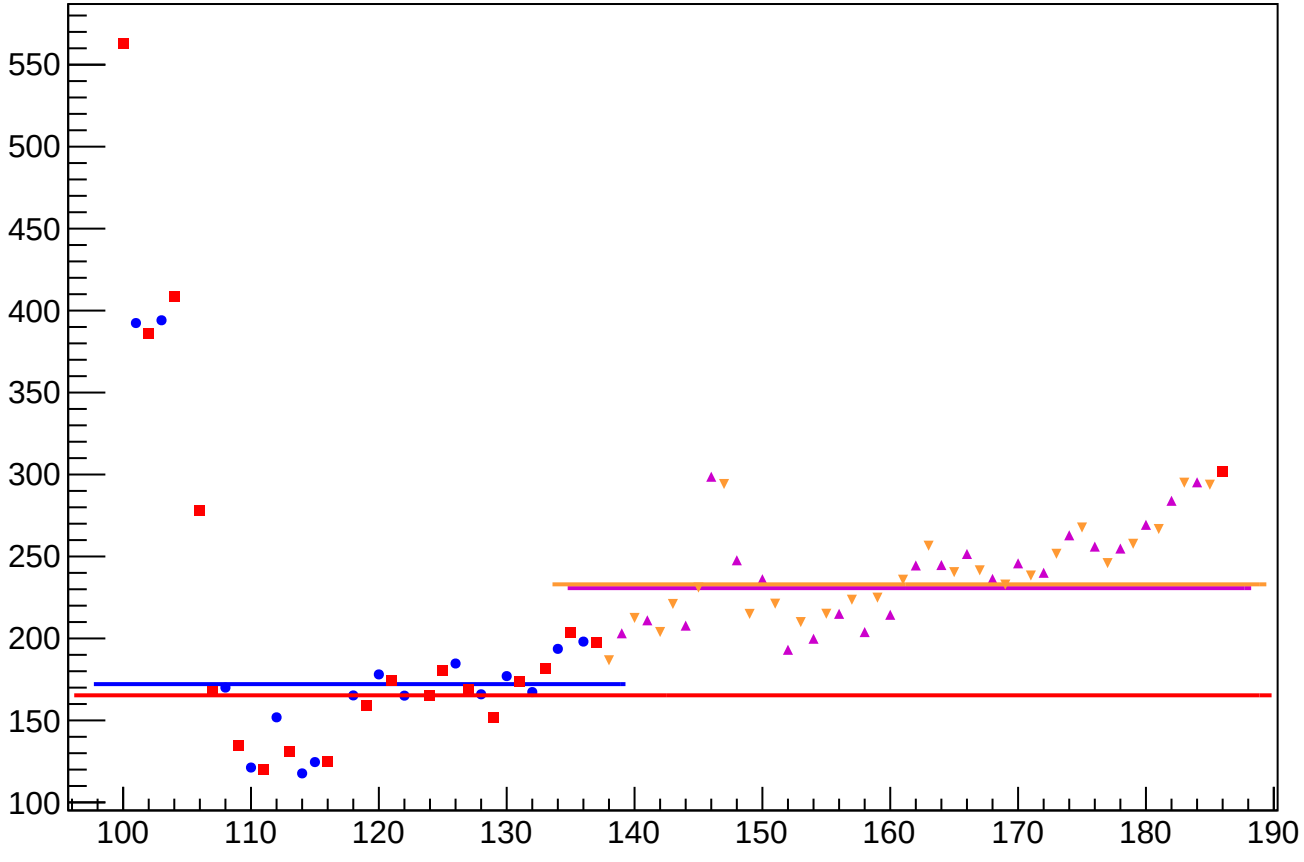
Right: 141679.463+/-0.046 χ^2/NDF: 139737444.5/3

In: 142617.978+/-0.043 χ^2/NDF:913833456.5/38

Out: 142670.754+/-0.041 χ^2/NDF:1284248417.2/4

All: 142645.518+/-0.030 χ^2/NDF: 21988771

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

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

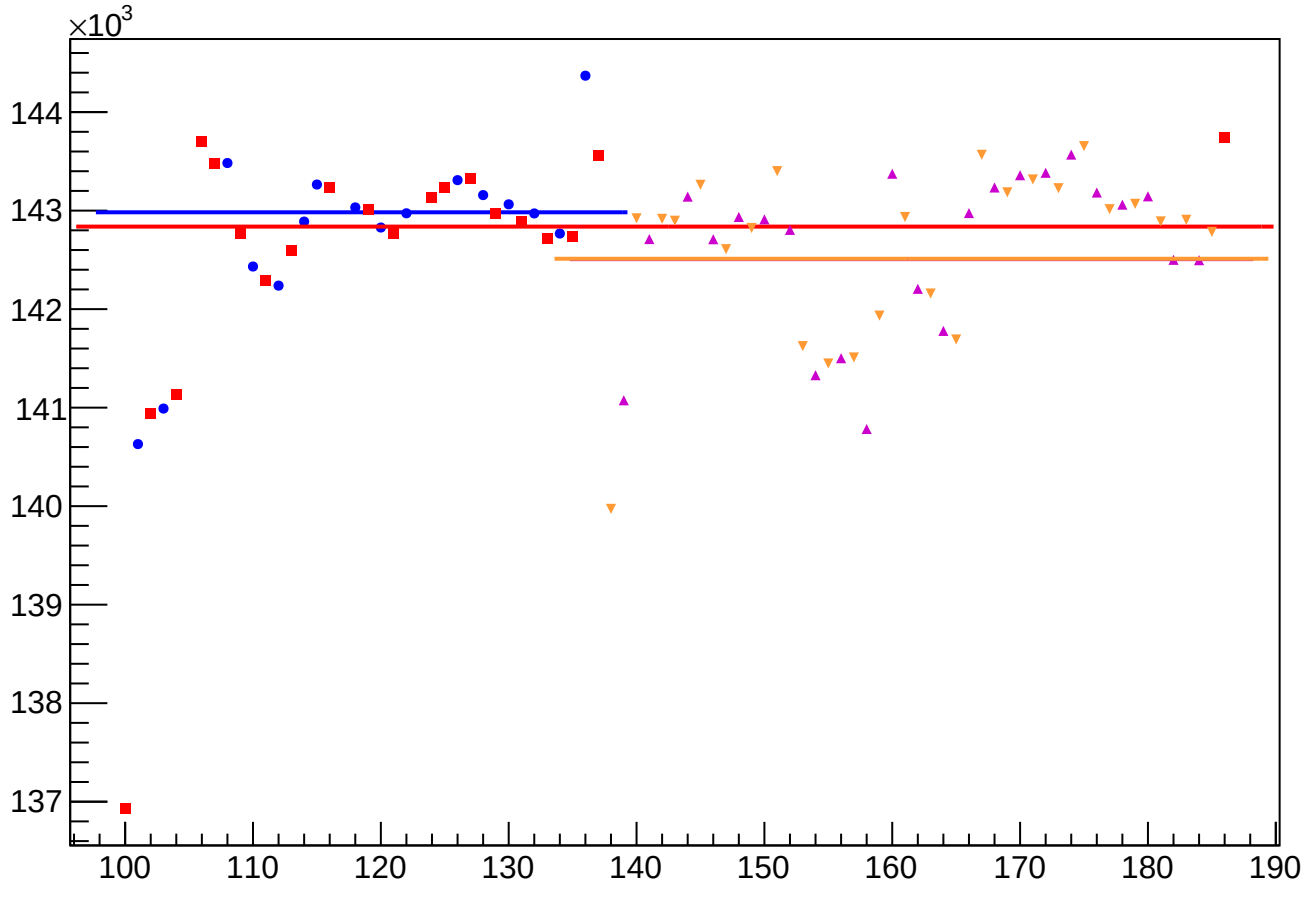
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 168.462+/-0.033 χ^2/NDF: 2553229.4/35

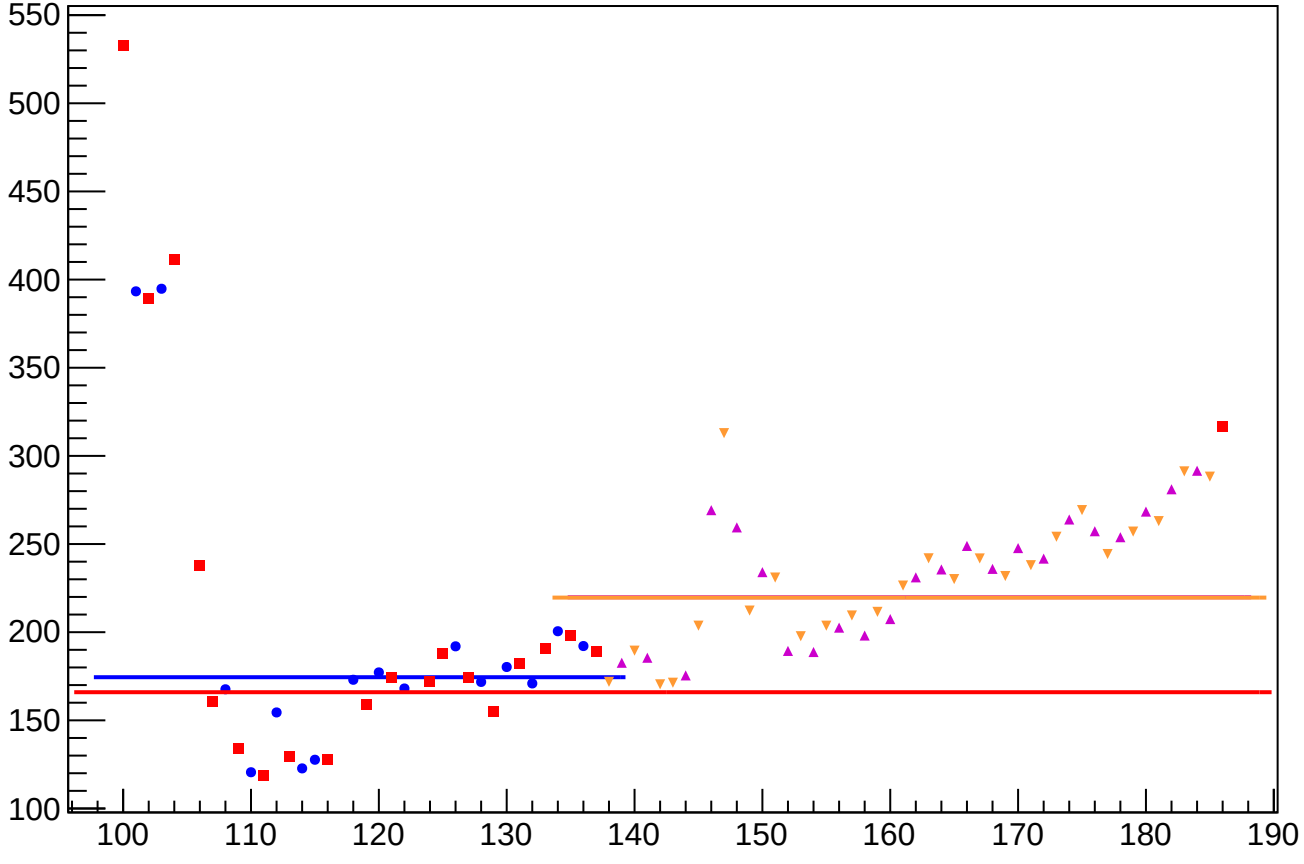
In: 207.734+/-0.030 χ^2/NDF:2474968.8/38

Out: 204.646+/-0.029 χ^2/NDF:3252408.1/44

All: 206.122+/-0.021 χ^2/NDF: 5732821.6/83


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
110
120
130
140
150
160
170
180
190
Right In: 142983.006+/-0.069 χ²/NDF: 107696217.2/15
Left Out: 142511.381+/-0.051 χ²/NDF:338087157.2/24
Right Out: 142837.790+/-0.064 χ²/NDF: 66964075.7/19
Left In: 142507.563+/-0.052 χ²/NDF:269272097.4/22
Left: 142509.527+/-0.037 χ²/NDF: 607361986.5/47
Right: 142904.272+/-0.047 χ²/NDF: 177054095.4/3
In: 142681.117+/-0.042 χ²/NDF:407019238.7/38
Out: 142639.050+/-0.040 χ²/NDF:421135990.0/44
All: 142659.032+/-0.029 χ²/NDF: 82868810

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

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

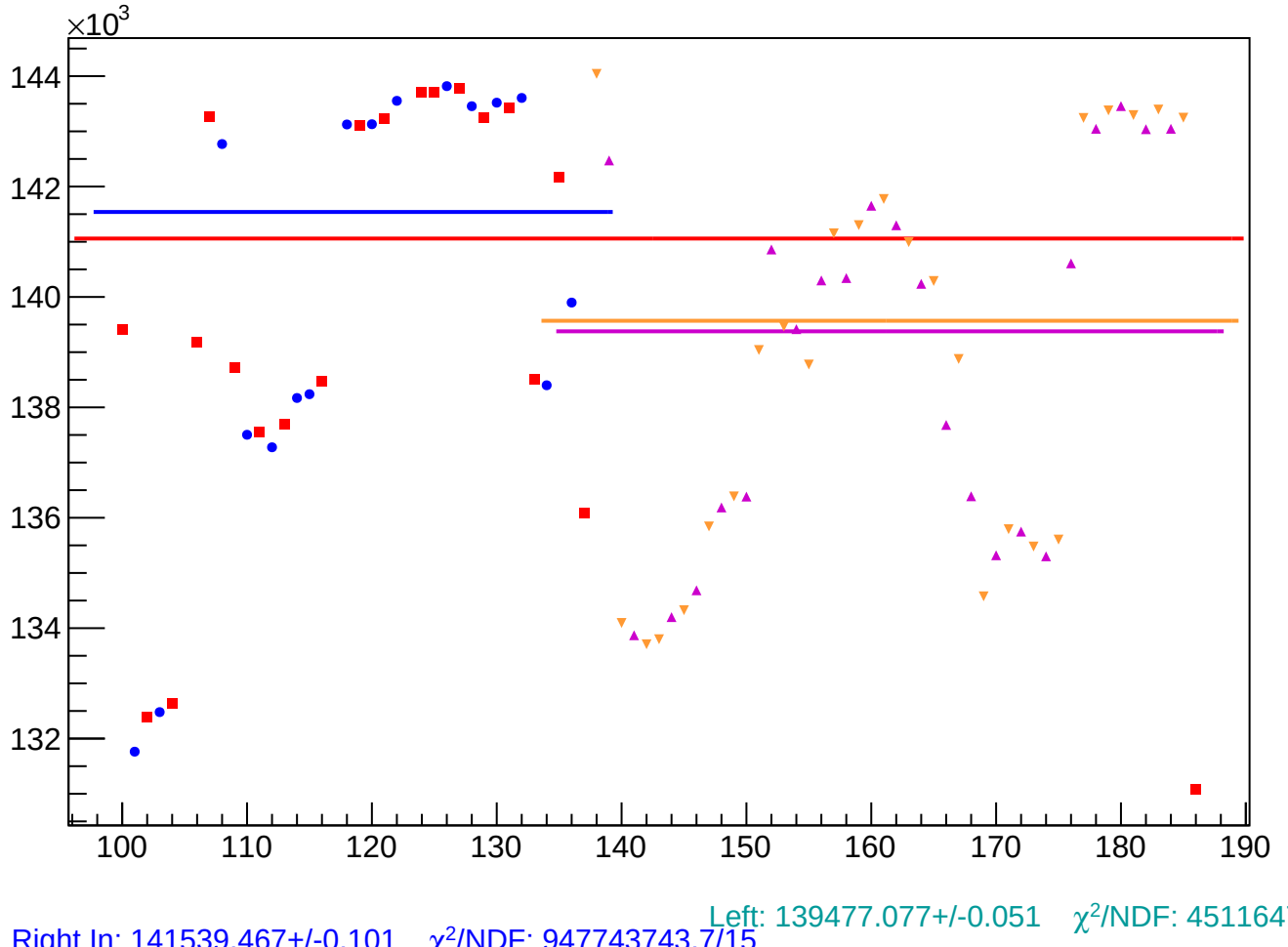
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 169.853+/-0.033 χ^2/NDF: 2535853.8/35

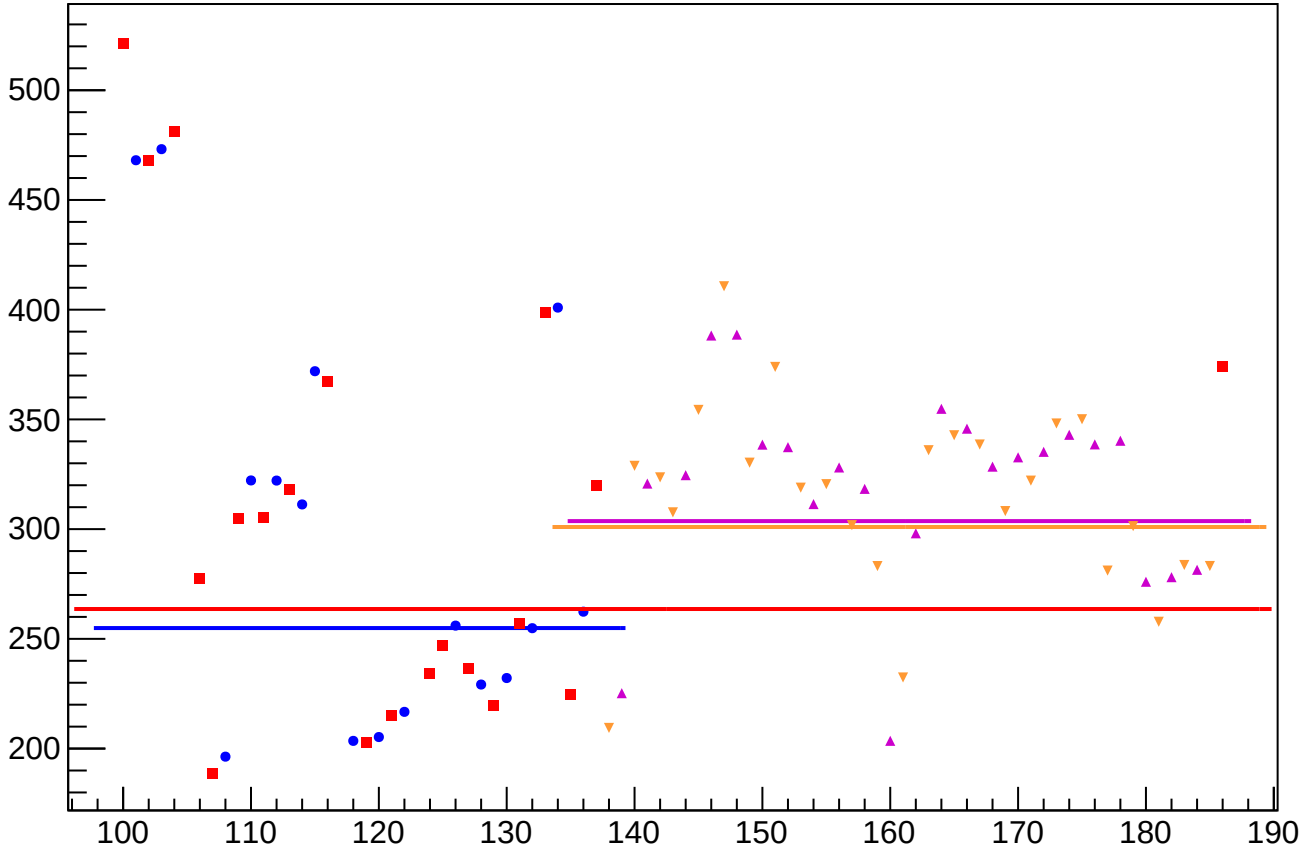
In: 203.260+/-0.030 χ^2/NDF:2401359.2/38

Out: 198.630+/-0.028 χ^2/NDF:3241722.5/44

All: 200.829+/-0.020 χ^2/NDF: 5655994.1/83


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
150
160
170
180
190
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 139568.750+/-0.070 χ²/NDF:2586638805.4/24
Right Out: 141058.266+/-0.100 χ²/NDF: 1219650420.8/19
Left In: 139377.582+/-0.073 χ²/NDF:1921434868.2/22
Left: 139477.077+/-0.051 χ²/NDF: 4511647582.8/4
Right: 141295.989+/-0.071 χ²/NDF: 2178922658.9/
In: 140120.604+/-0.059 χ²/NDF:3171007499.5/38
Out: 140061.392+/-0.057 χ²/NDF:3955933749.3/4
All: 140090.075+/-0.041 χ²/NDF: 71274587

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

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

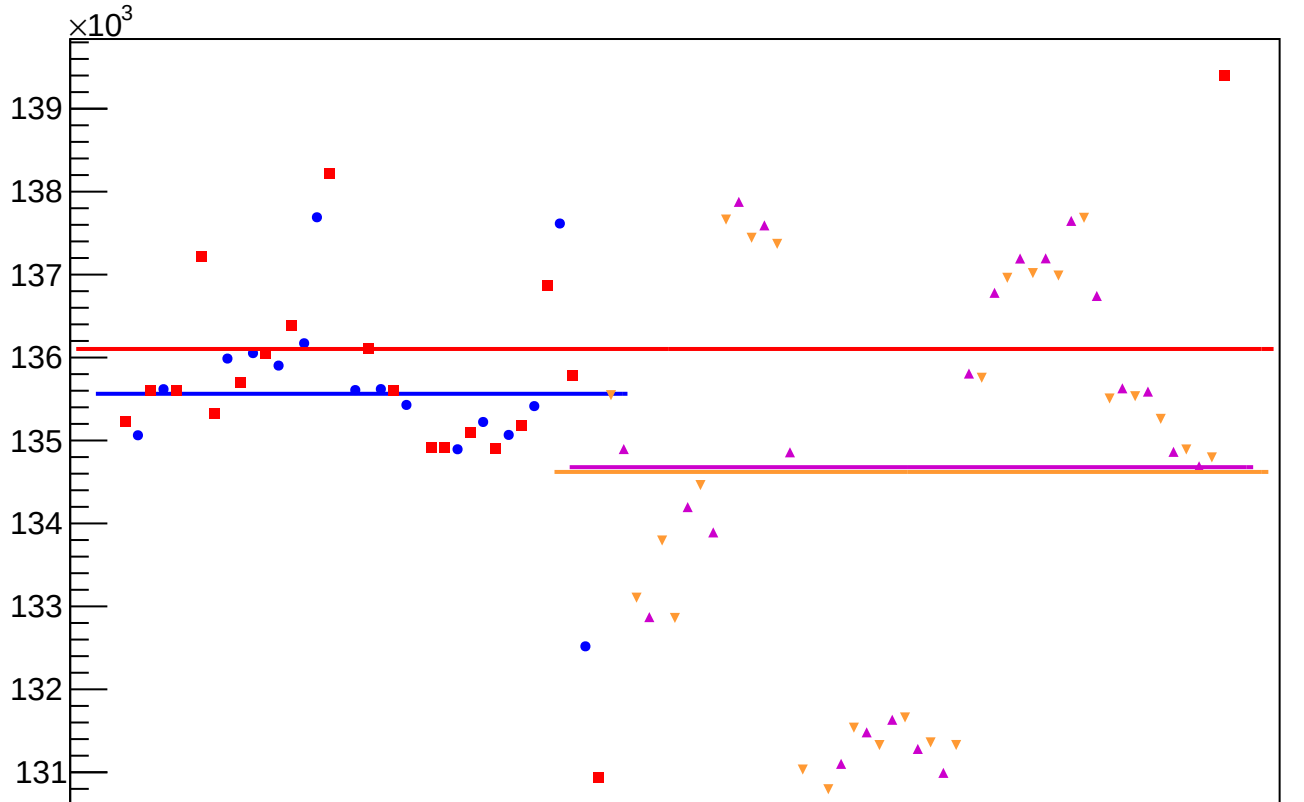
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 259.311+/-0.050 χ^2/NDF: 2022816.6/35

In: 286.907+/-0.042 χ^2/NDF:2233025.8/38

Out: 288.606+/-0.041 χ^2/NDF:2130597.8/44

All: 287.783+/-0.029 χ^2/NDF: 4364475.4/83



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

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

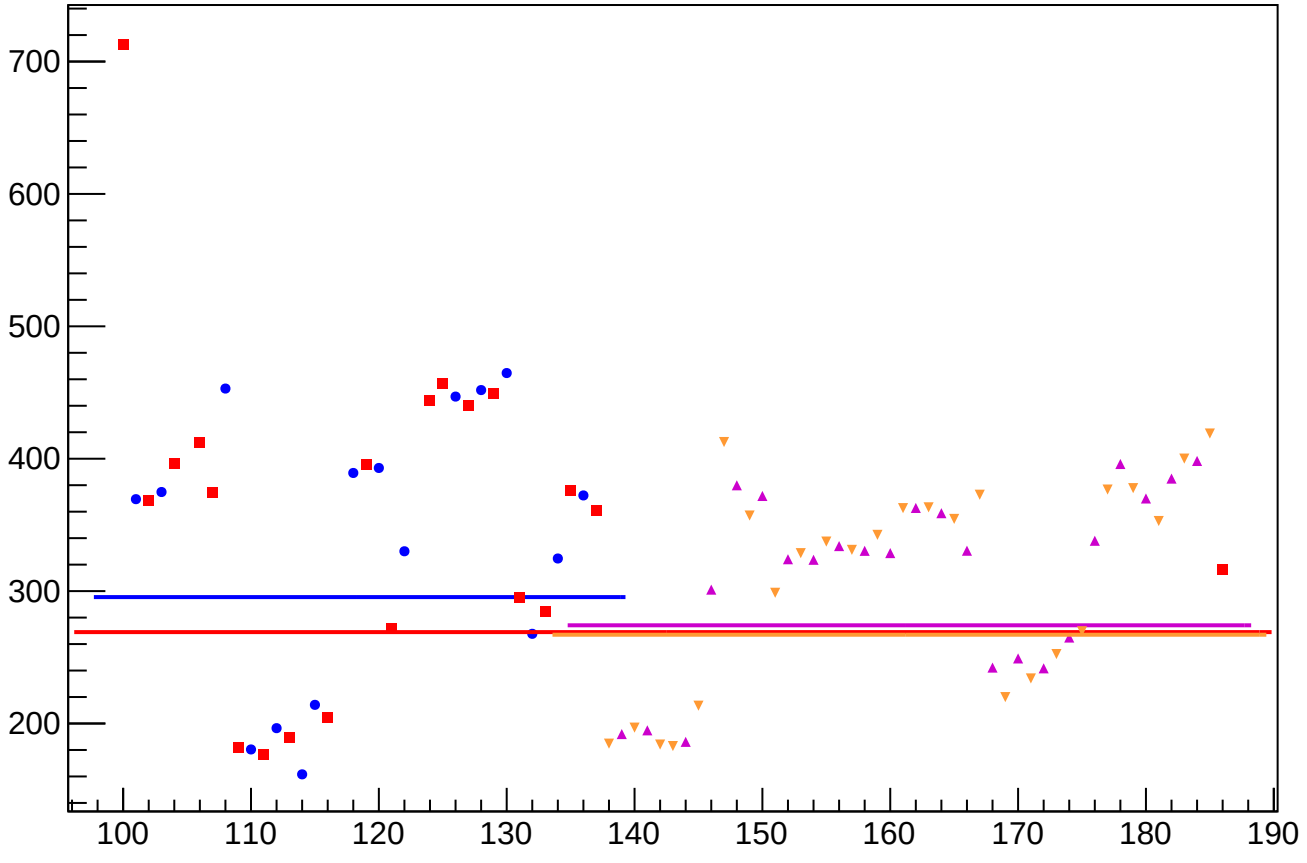
Right: 135867.988+/-0.078 χ^2/NDF: 243782233.0/3

In: 134892.672+/-0.058 χ^2/NDF:1232799028.8/38

Out: 135025.814+/-0.054 χ^2/NDF:1487071795.2/4

All: 134963.847+/-0.040 χ^2/NDF: 27226649

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

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

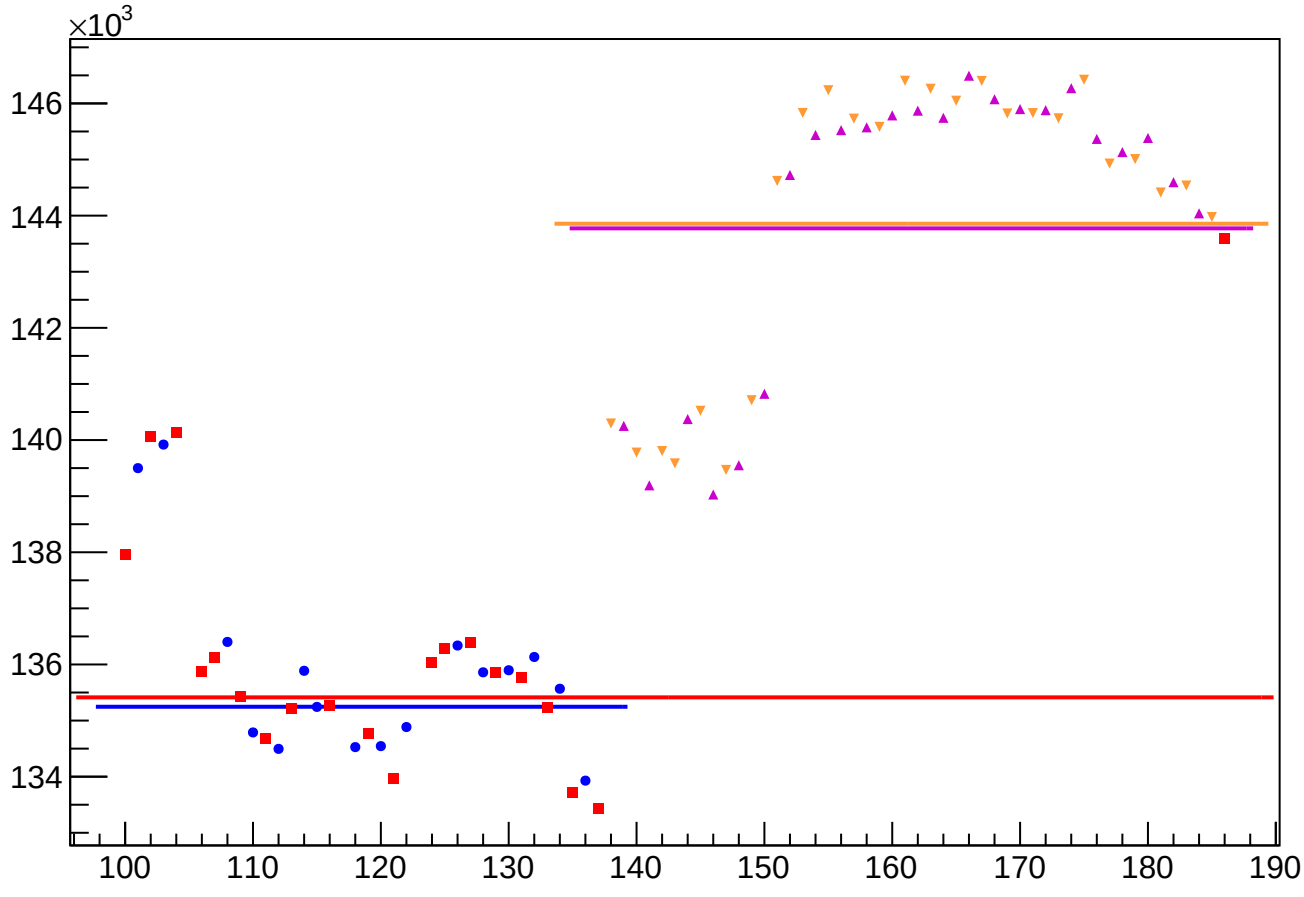
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 280.555+/-0.055 χ^2/NDF: 3195856.7/35

In: 279.335+/-0.041 χ^2/NDF:3728399.8/38

Out: 267.594+/-0.038 χ^2/NDF:4540795.0/44

All: 273.059+/-0.028 χ^2/NDF: 8312652.9/83



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135413.728+/-0.051 χ^2/NDF: 759208428.5/19

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

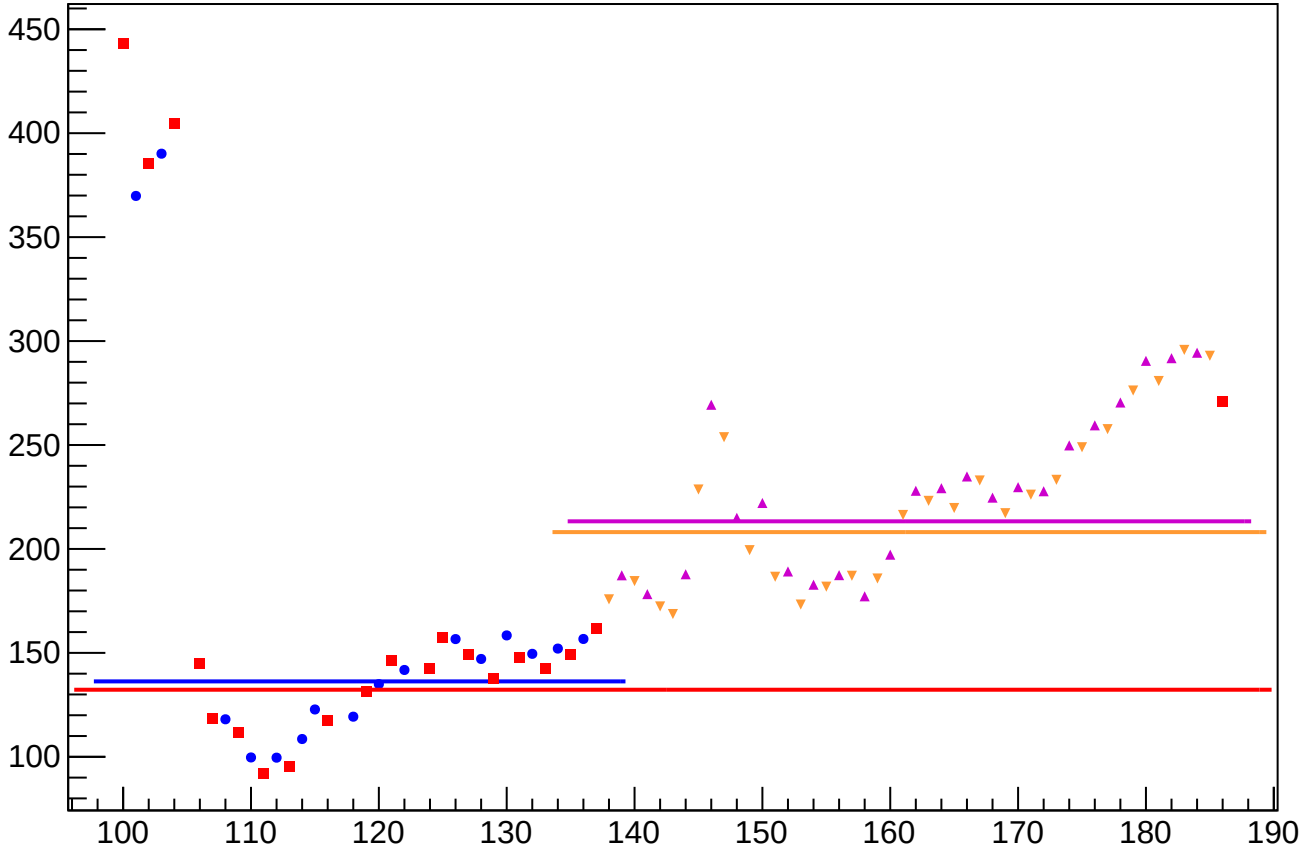
Right: 135335.287+/-0.037 χ^2/NDF: 1152571235.4/

In: 139816.106+/-0.037 χ^2/NDF:16204472138.1/3

Out: 139891.473+/-0.035 χ^2/NDF:18215357849.7

All: 139855.947+/-0.026 χ^2/NDF: 34421990

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

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

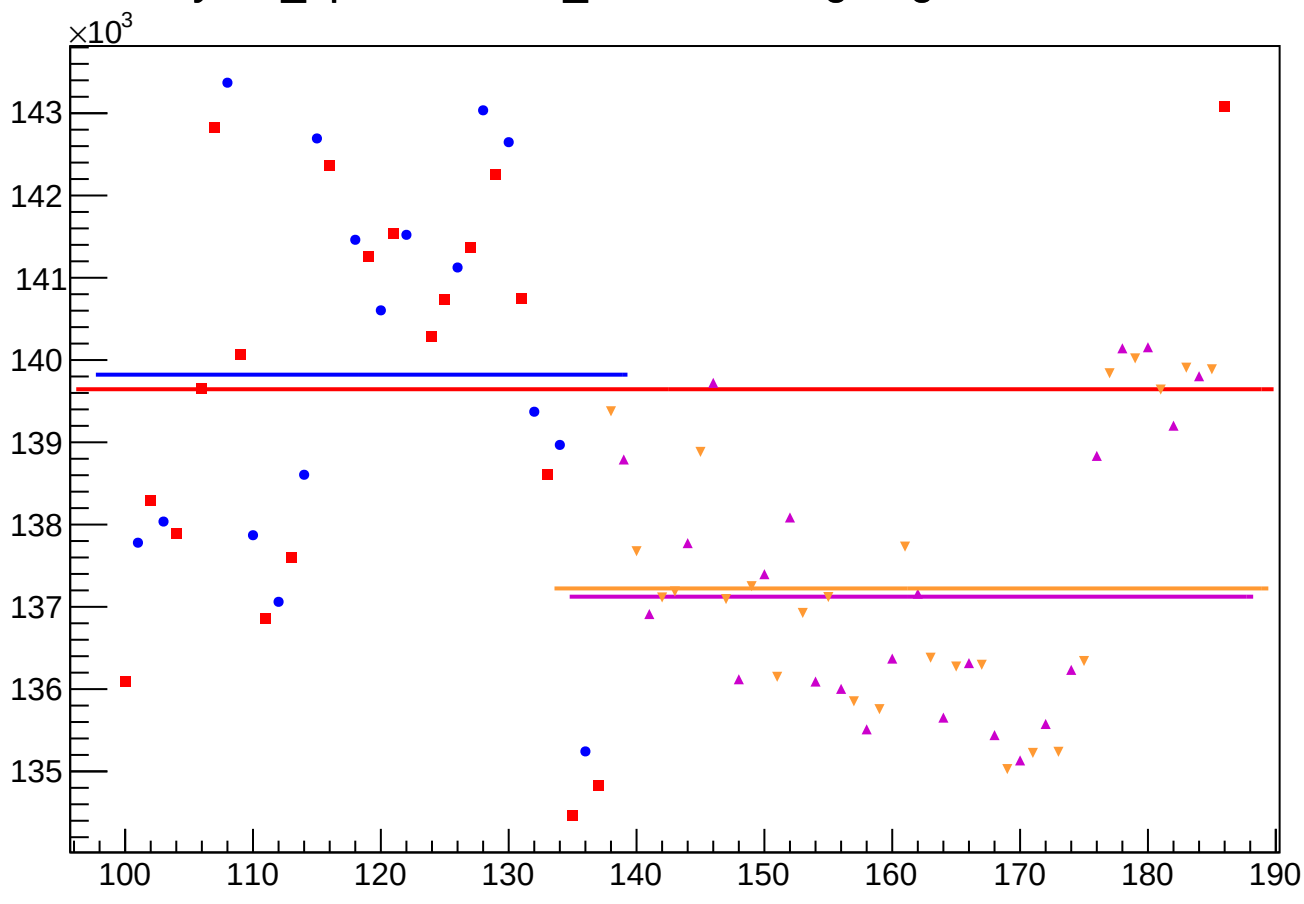
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 134.153+/-0.026 χ^2/NDF: 3127870.0/35

In: 177.553+/-0.026 χ^2/NDF:4372014.8/38

Out: 172.492+/-0.025 χ^2/NDF:5042595.3/44

All: 174.878+/-0.018 χ^2/NDF: 9434099.5/83


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
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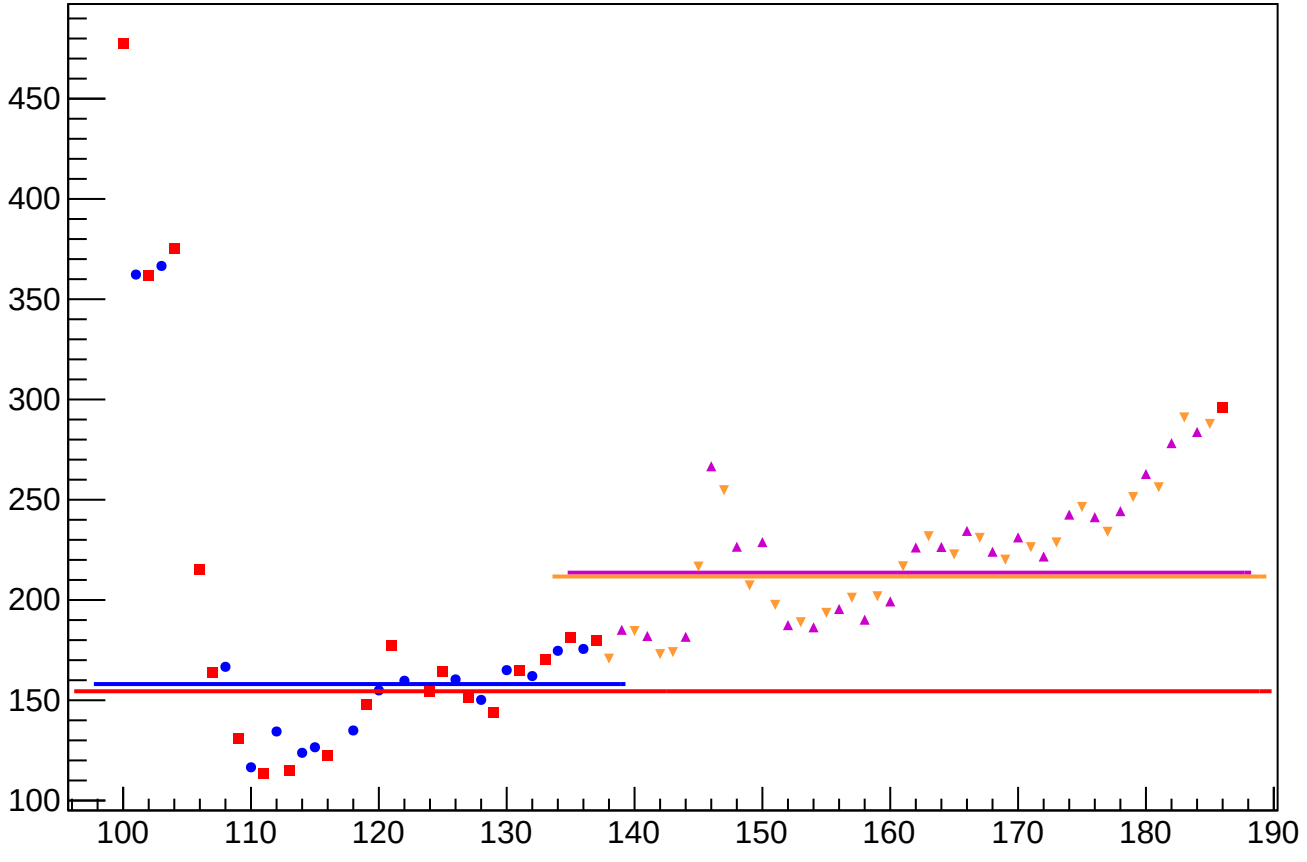
170
180
190
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 137223.651+/-0.049 χ²/NDF:894565924.0/24
Right Out: 139645.064+/-0.059 χ²/NDF: 1539010634.6/19
Left In: 137123.557+/-0.051 χ²/NDF:860635149.0/22
Left: 137175.466+/-0.035 χ²/NDF: 1757205976.7/4
Right: 139728.720+/-0.043 χ²/NDF: 3206613451.2/
In: 138197.934+/-0.039 χ²/NDF:3642771400.1/38
Out: 138208.511+/-0.038 χ²/NDF:3424905140.0/4
All: 138203.457+/-0.027 χ²/NDF: 706771399

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

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

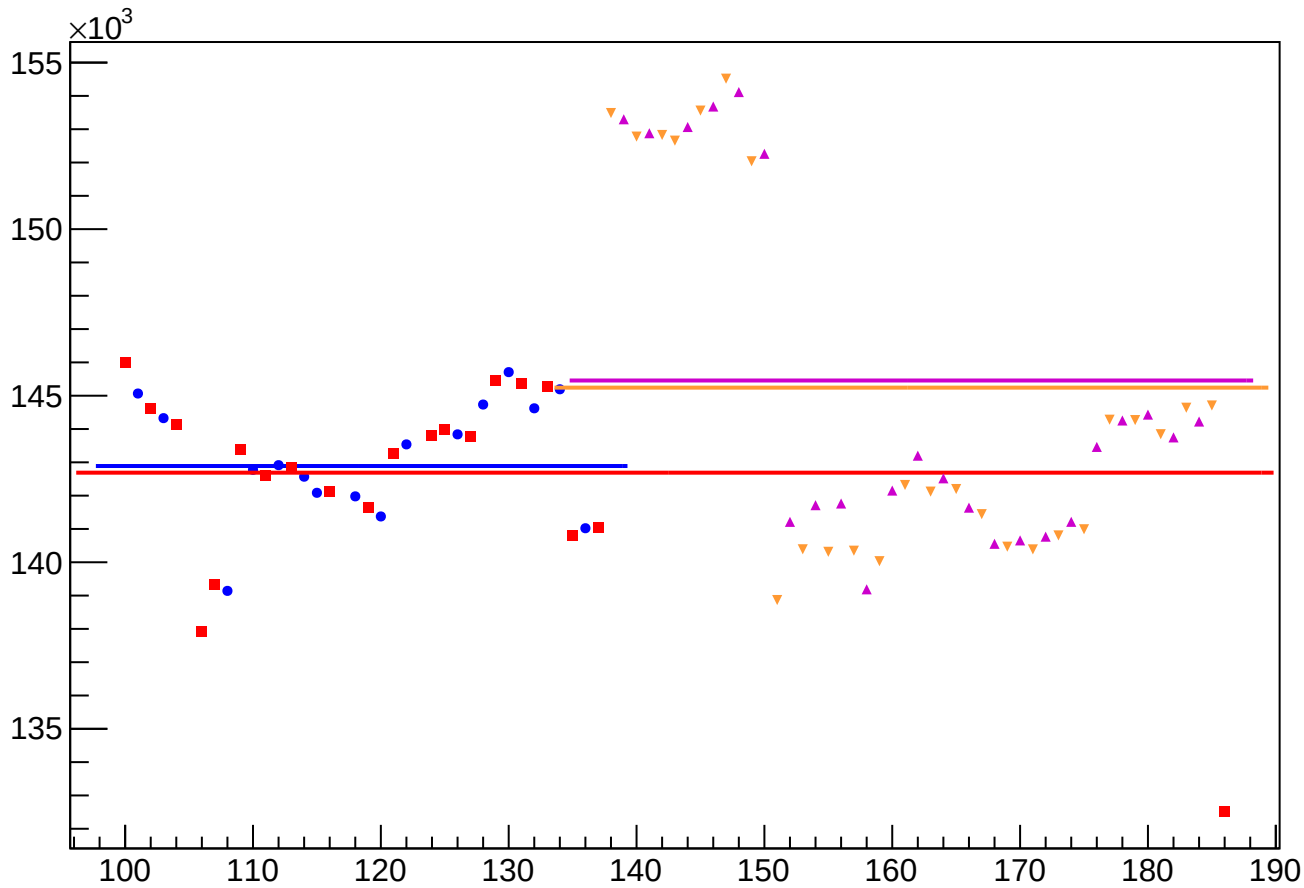
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 156.186+/-0.030 χ^2/NDF: 2440094.8/35

In: 191.520+/-0.028 χ^2/NDF:2587779.0/38

Out: 188.439+/-0.027 χ^2/NDF:3201558.3/44

All: 189.911+/-0.019 χ^2/NDF: 5795692.0/83



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

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

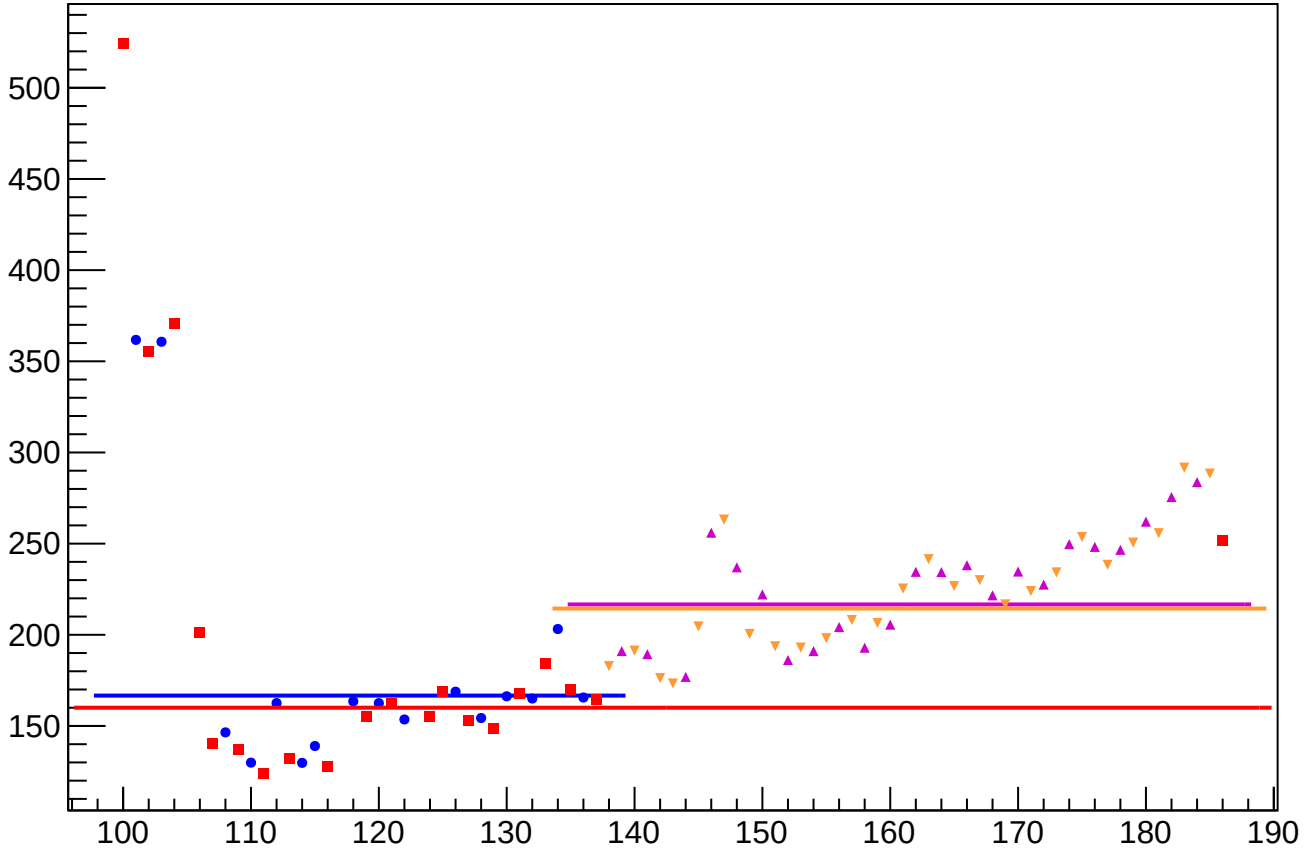
Right: 142781.710+/-0.045 χ^2/NDF: 2228671793.7/

In: 144477.458+/-0.041 χ^2/NDF:12781299251.6/3

Out: 144221.932+/-0.038 χ^2/NDF:15551356013.1

All: 144342.841+/-0.028 χ^2/NDF: 28353575

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

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

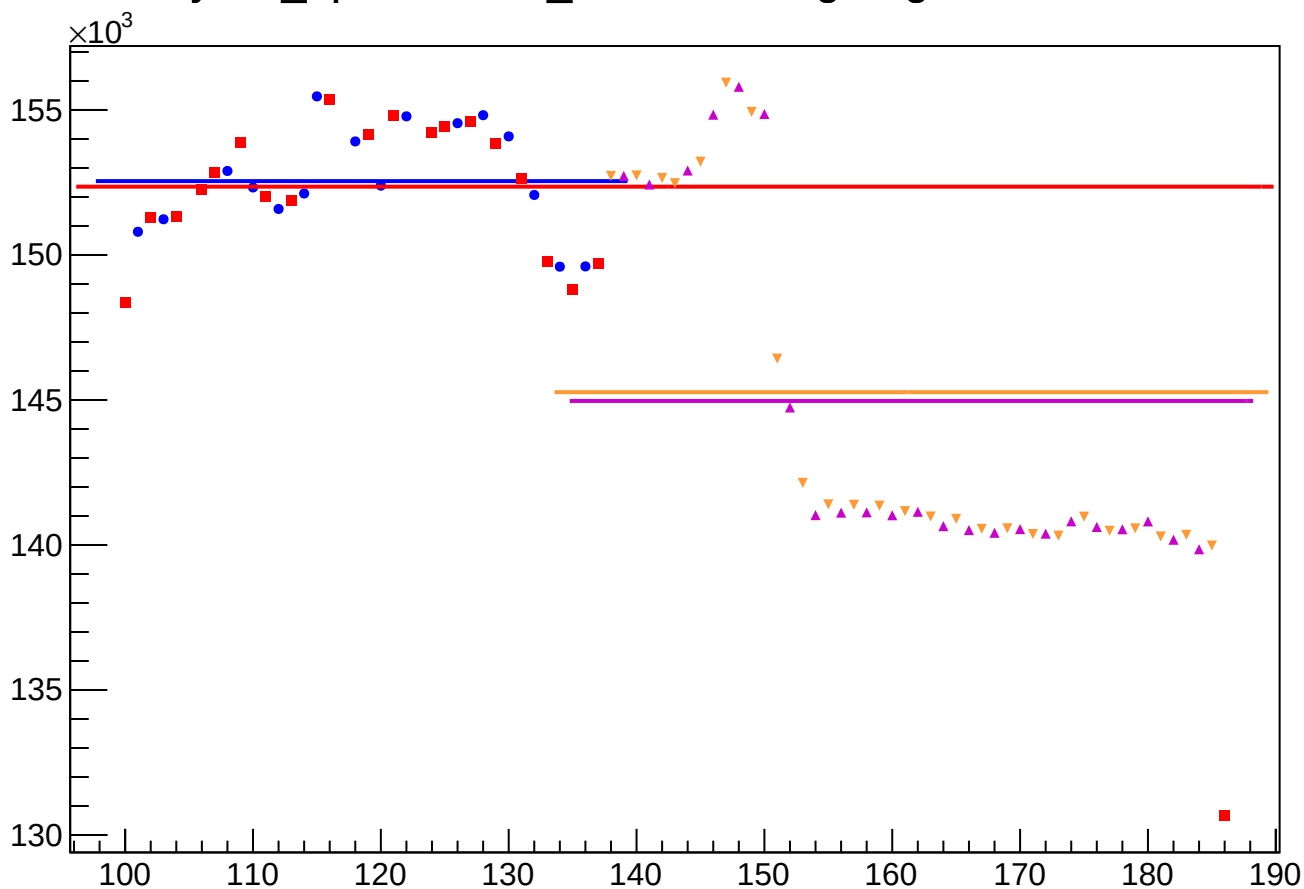
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 163.080+/-0.032 χ^2/NDF: 2006517.6/35

In: 197.584+/-0.029 χ^2/NDF:2167534.4/38

Out: 192.657+/-0.027 χ^2/NDF:2735276.3/44

All: 194.988+/-0.020 χ^2/NDF: 4918351.3/83



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

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

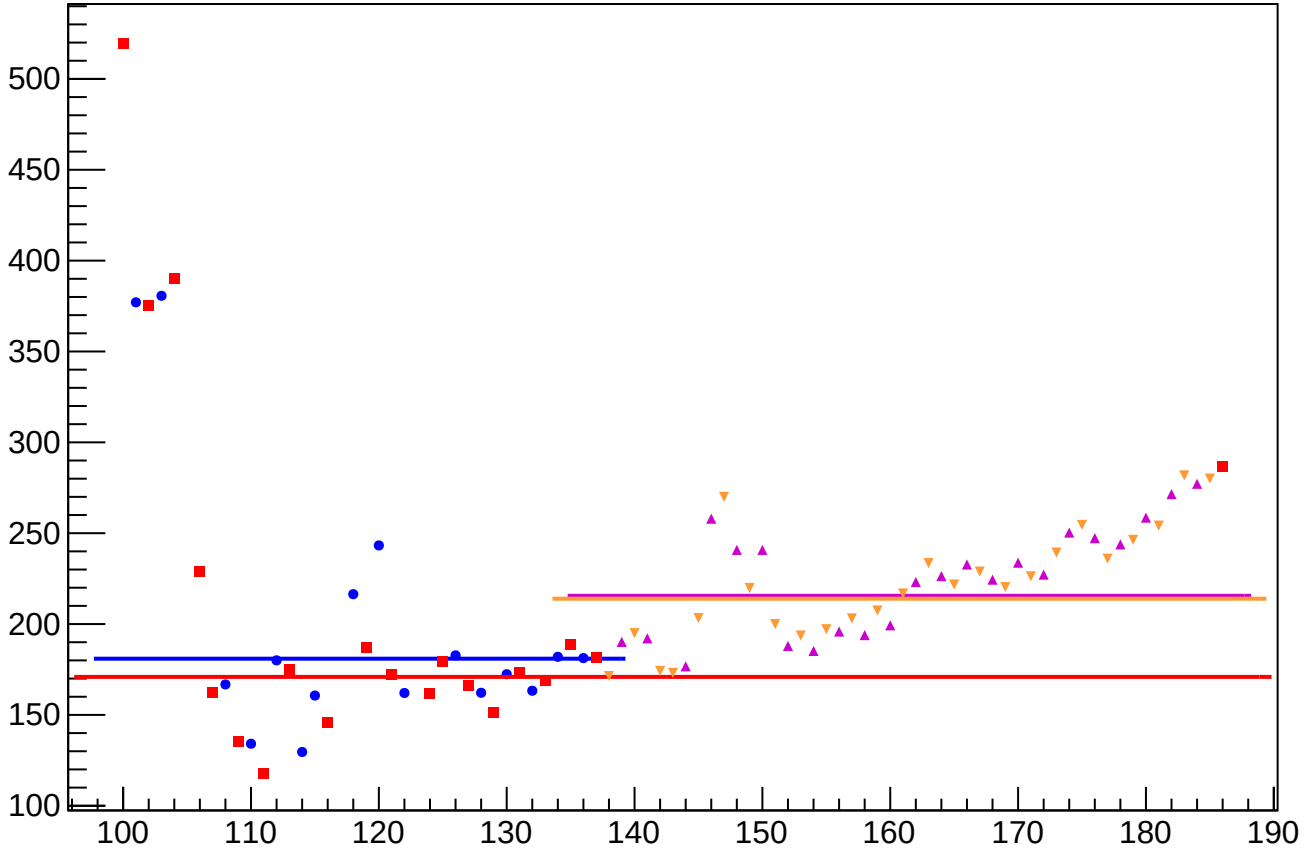
Right: 152442.177+/-0.049 χ^2/NDF: 3800881427.8/

In: 147483.877+/-0.042 χ^2/NDF:21087752769.3/3

Out: 147816.779+/-0.040 χ^2/NDF:24247950147.1

All: 147659.808+/-0.029 χ^2/NDF: 45369148

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

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

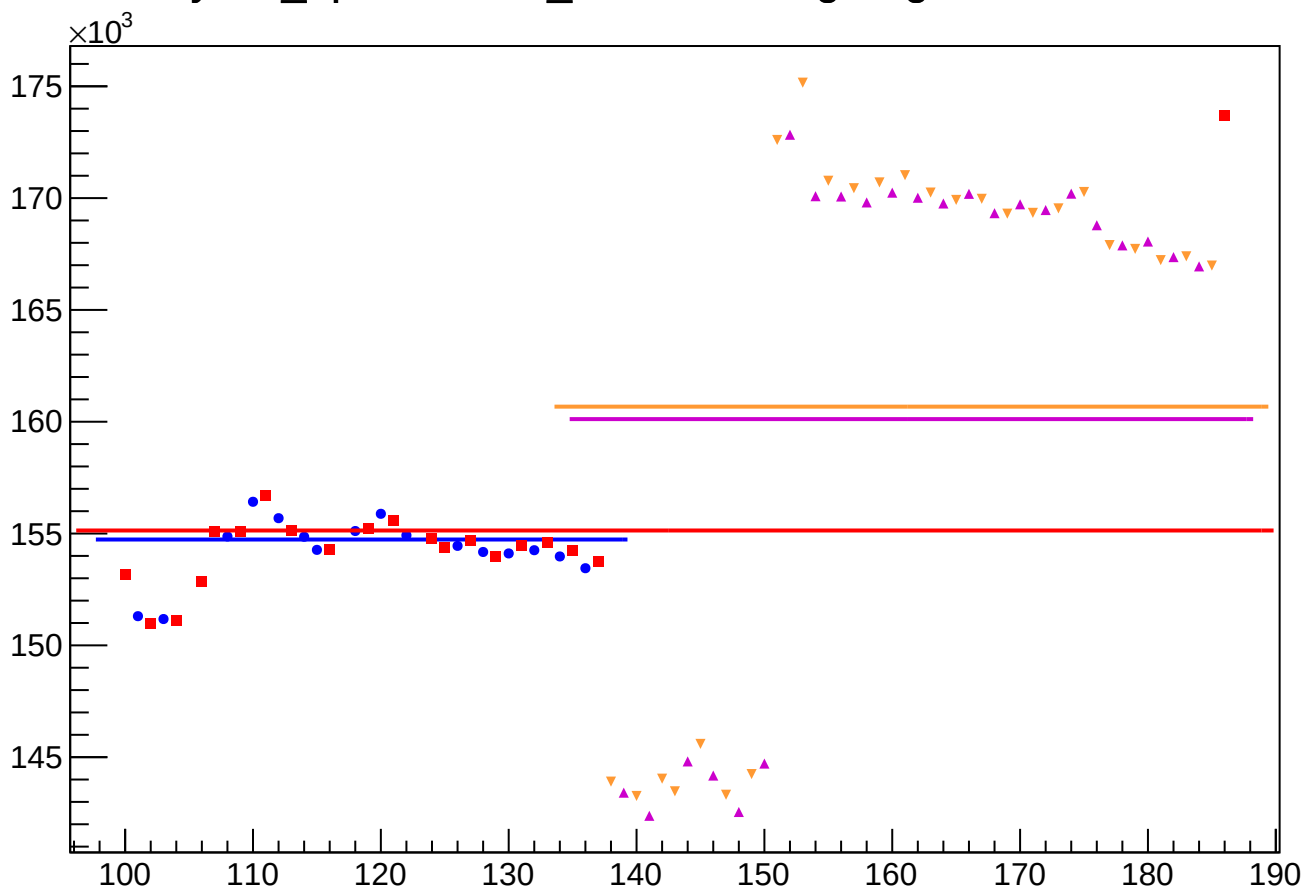
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 175.449+/-0.035 χ^2/NDF: 2154974.6/35

In: 204.048+/-0.030 χ^2/NDF:1811612.1/38

Out: 198.486+/-0.028 χ^2/NDF:2422600.1/44

All: 201.108+/-0.020 χ^2/NDF: 4252884.7/83



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

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.

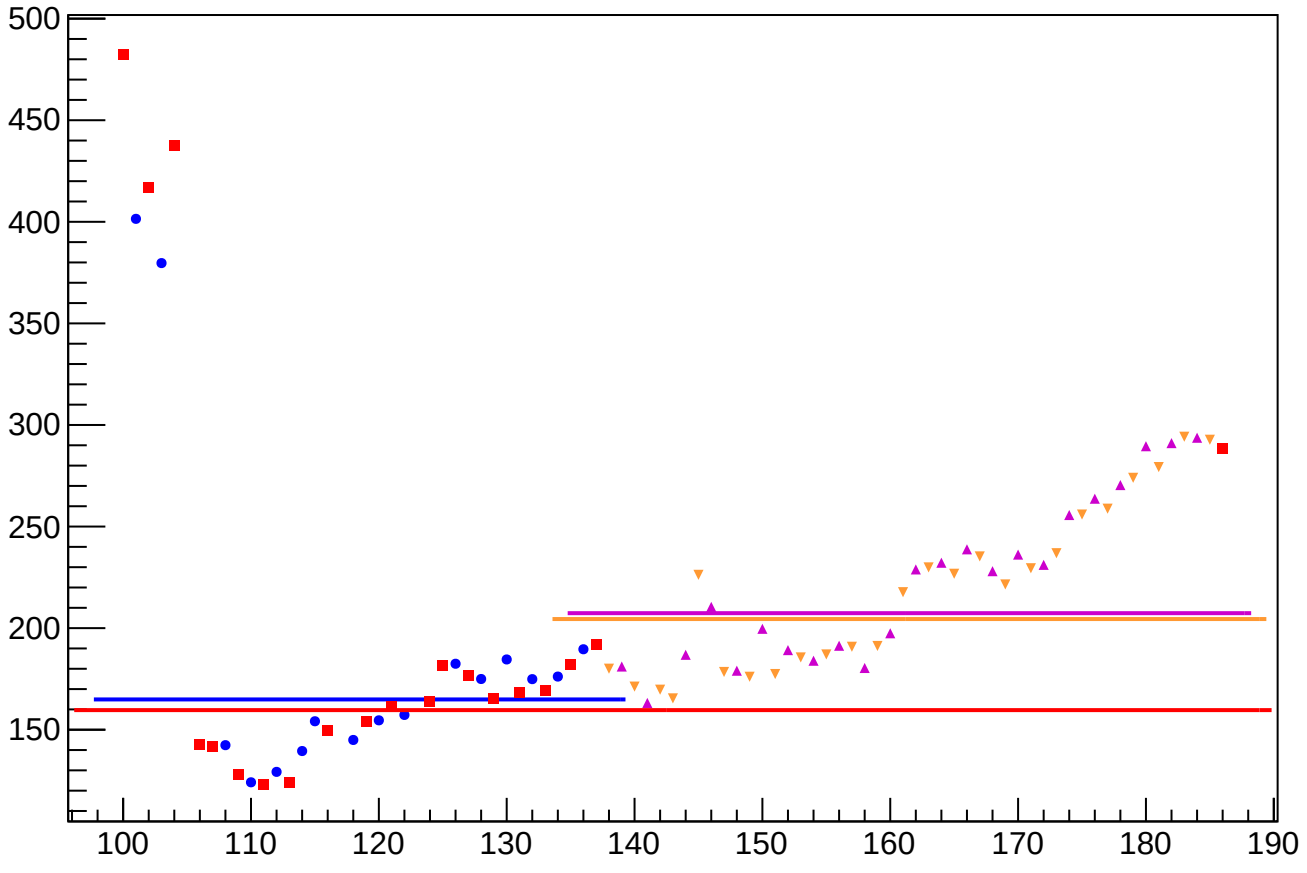
Right: 154949.995+/-0.044 χ^2/NDF: 2326685869.7/

In: 158153.716+/-0.039 χ^2/NDF:71160726507.0/3

Out: 158569.381+/-0.037 χ^2/NDF:81378322857.3

All: 158372.717+/-0.027 χ^2/NDF: 15259771

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

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

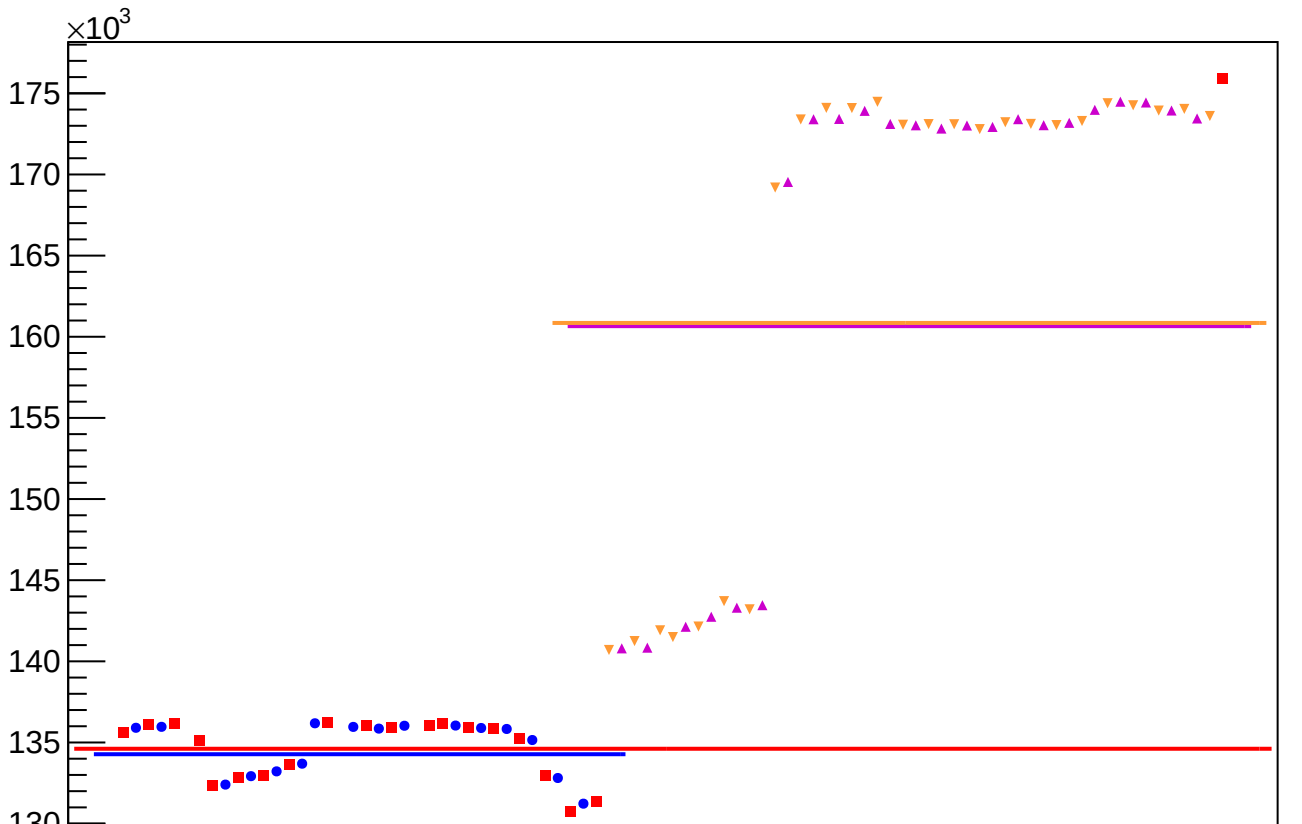
Right: 162.082+/-0.031 χ^2/NDF: 2501008.5/35

In: 191.882+/-0.028 χ^2/NDF:2568344.6/38

Out: 187.434+/-0.026 χ^2/NDF:3174782.2/44

All: 189.538+/-0.019 χ^2/NDF: 5756574.3/83

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

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.

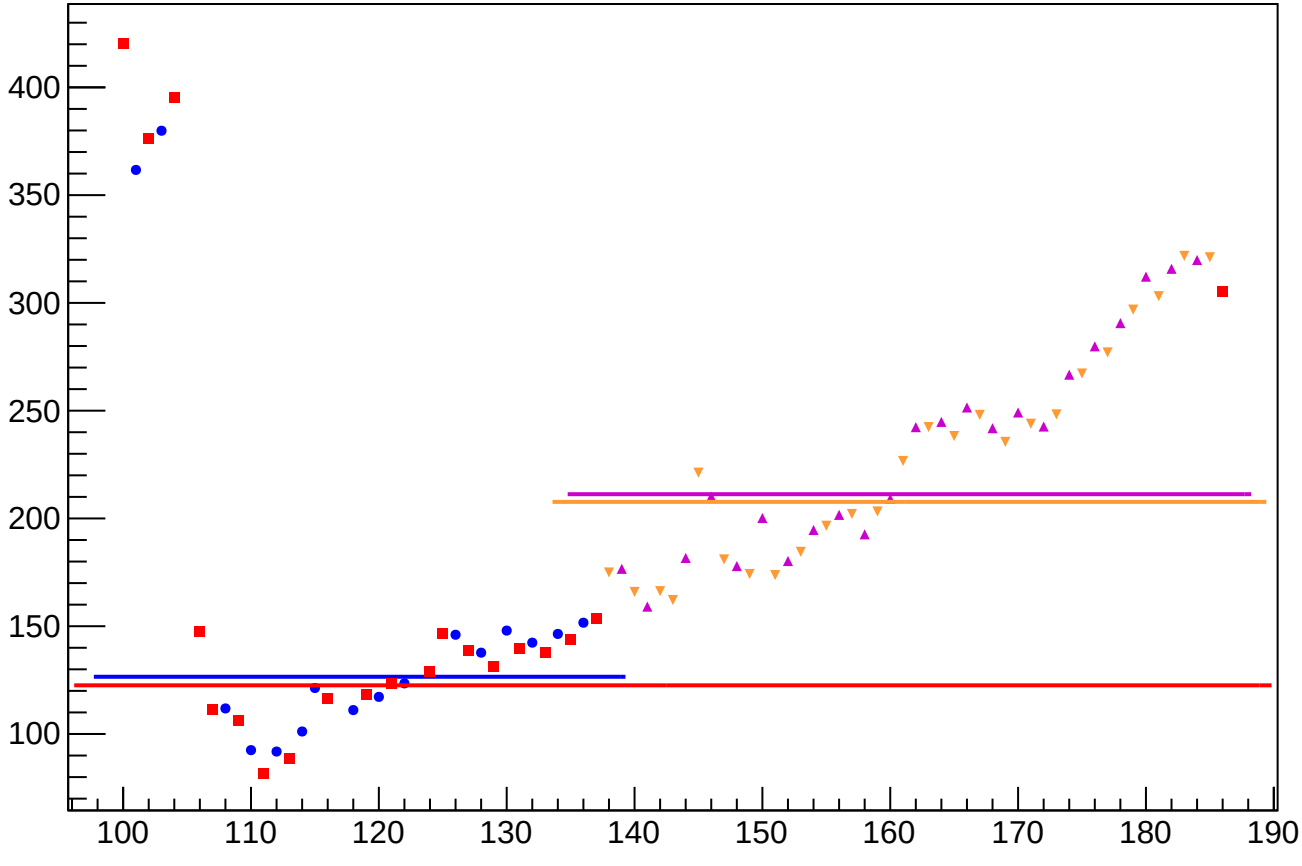
Right: 134455.116+/-0.035 χ^2/NDF: 9942210907.8/

In: 147521.990+/-0.036 χ^2/NDF:226551001373.3

Out: 147542.136+/-0.034 χ^2/NDF:256865674421.

All: 147532.600+/-0.025 χ^2/NDF: 48341684

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

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

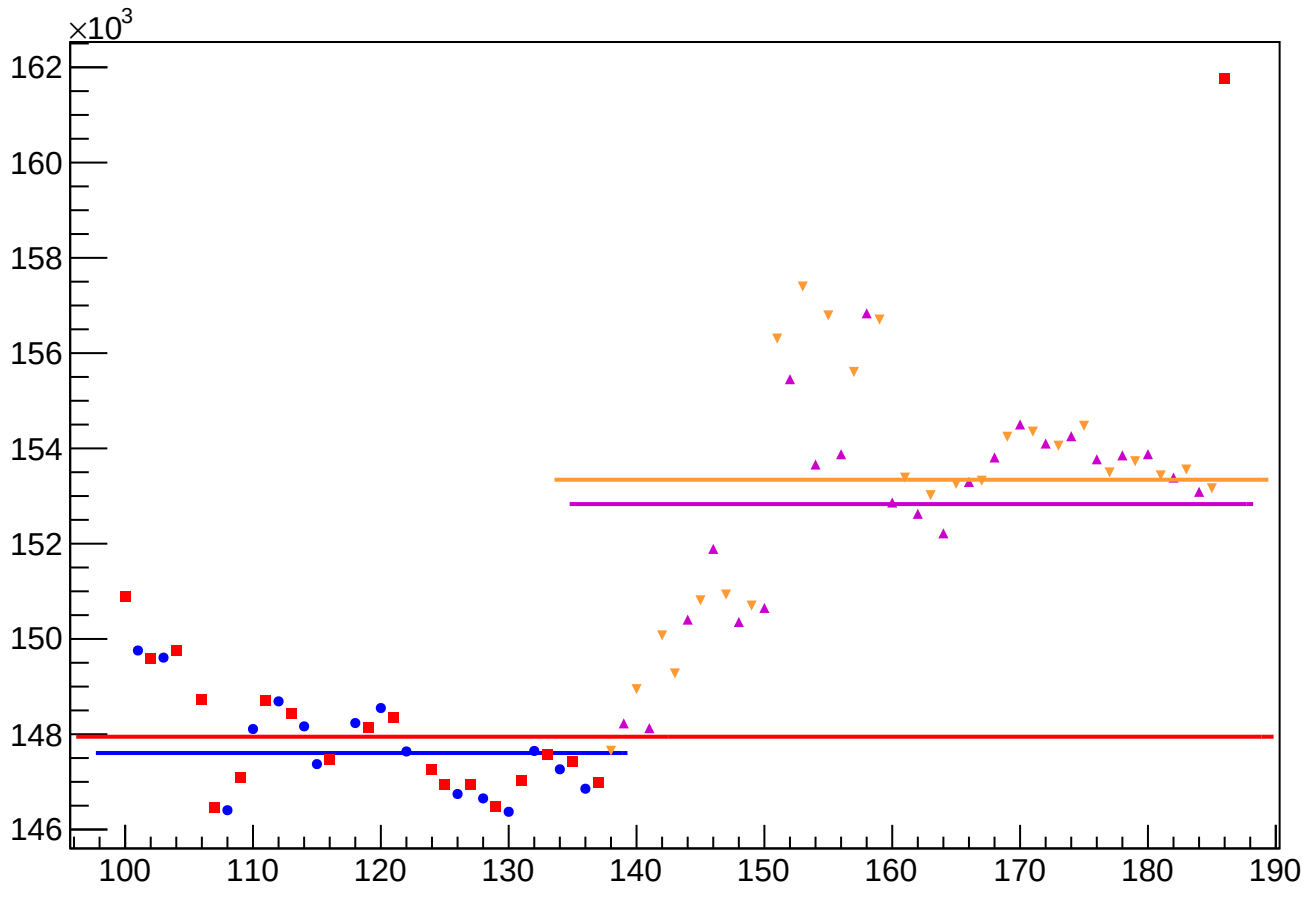
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 124.437+/-0.025 χ^2/NDF: 3413666.5/35

In: 169.085+/-0.025 χ^2/NDF:5572557.3/38

Out: 164.515+/-0.024 χ^2/NDF:6564034.1/44

All: 166.678+/-0.017 χ^2/NDF: 12153698.2/83



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147947.640+/-0.058 χ^2/NDF: 1083913025.8/19

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

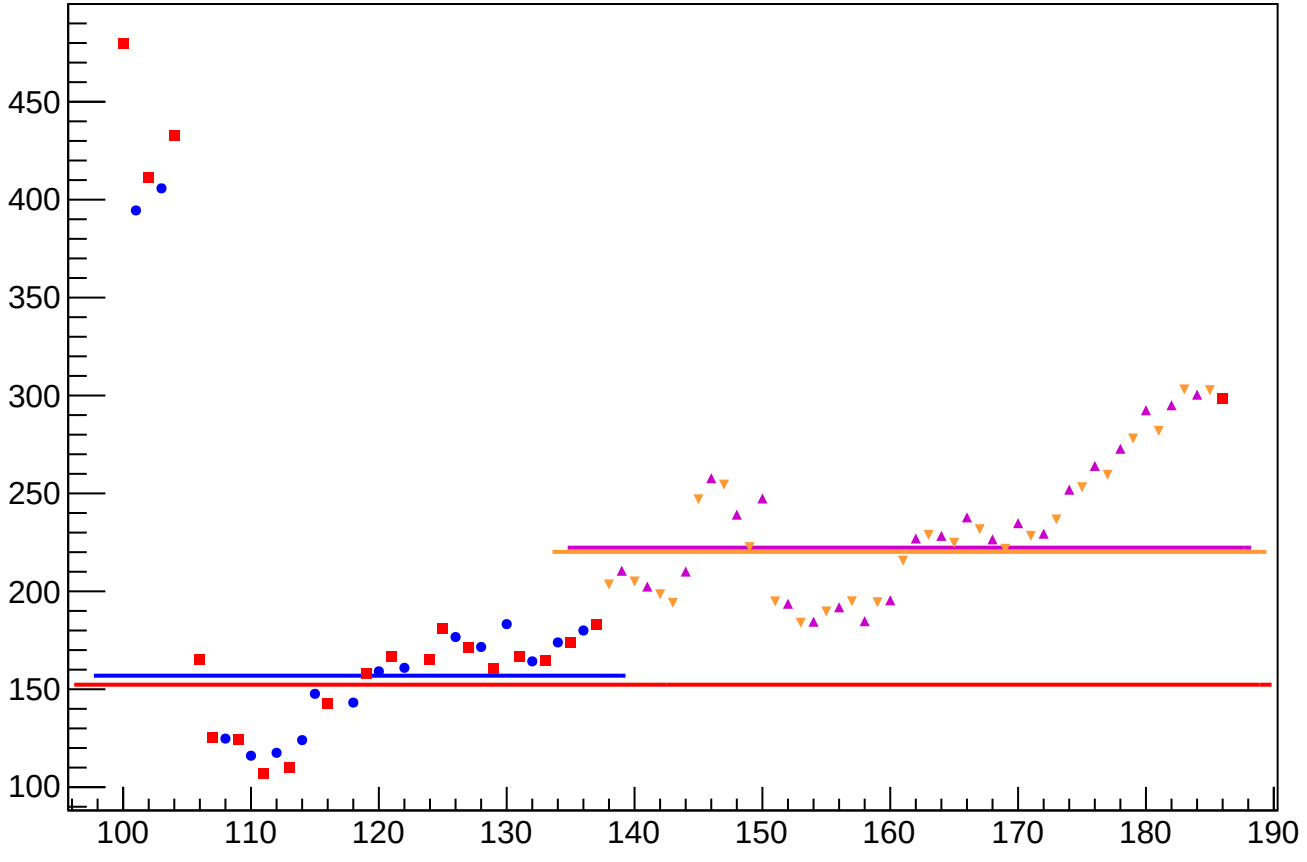
Right: 147787.938+/-0.043 χ^2/NDF: 1300405038.0/

In: 150654.005+/-0.040 χ^2/NDF:6196452212.6/38

Out: 151021.805+/-0.038 χ^2/NDF:8913918384.4/4

All: 150847.151+/-0.028 χ^2/NDF: 15154053

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

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

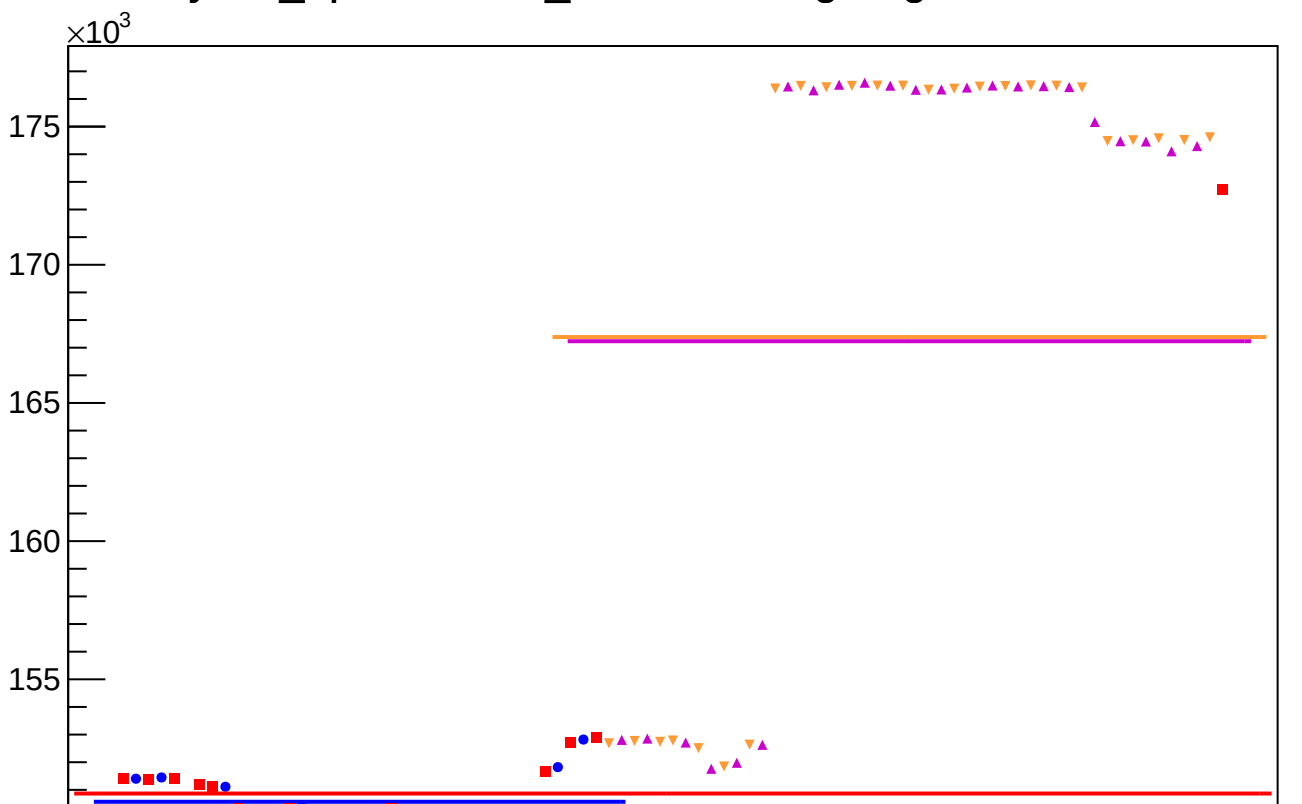
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 154.474+/-0.030 χ^2/NDF: 2925012.9/35

In: 195.064+/-0.029 χ^2/NDF:3240995.2/38

Out: 190.977+/-0.027 χ^2/NDF:3872924.4/44

All: 192.918+/-0.020 χ^2/NDF: 7124705.9/83



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150866.861+/-0.051 χ^2/NDF: 2800684535.7/19

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

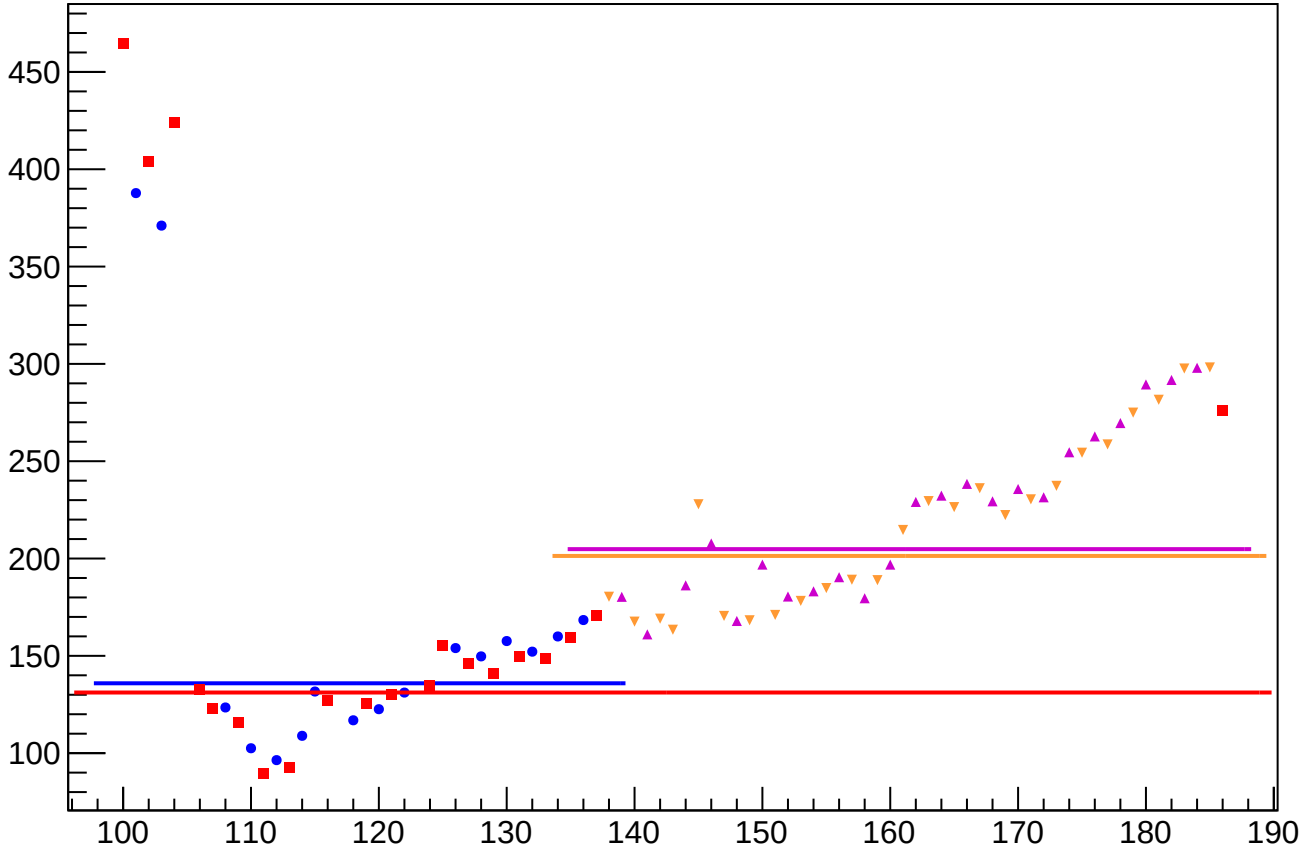
Right: 150729.014+/-0.037 χ^2/NDF: 3053876939.3

In: 159823.075+/-0.036 χ^2/NDF:107051357962.8

Out: 159786.315+/-0.034 χ^2/NDF:119881348878.

All: 159803.617+/-0.025 χ^2/NDF: 22693246

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

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

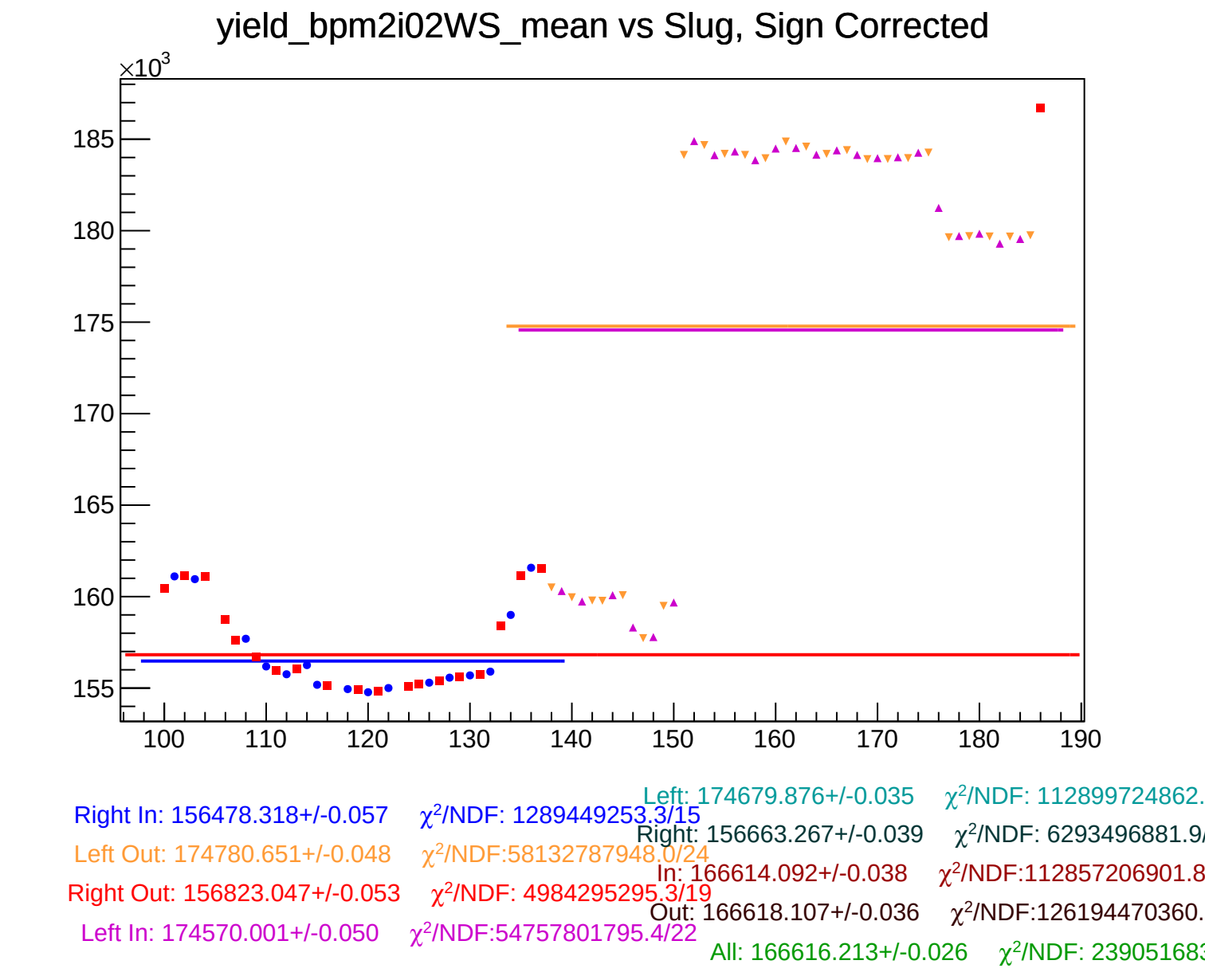
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 133.347+/-0.026 χ^2/NDF: 3268116.5/35

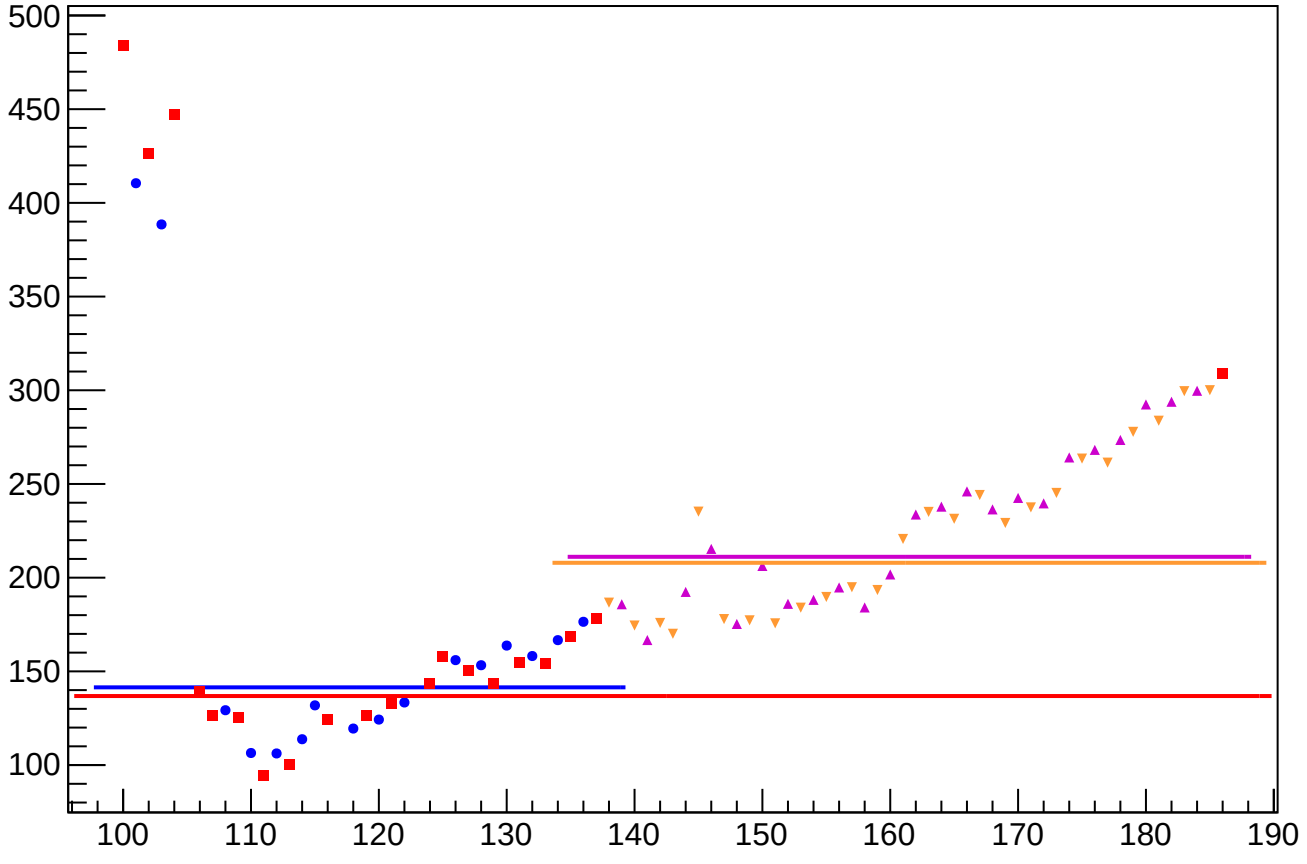
In: 174.173+/-0.026 χ^2/NDF:4238833.6/38

Out: 169.047+/-0.024 χ^2/NDF:5148843.5/44

All: 171.459+/-0.018 χ^2/NDF: 9408653.6/83


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
180
190
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 174780.651+/-0.048 χ²/NDF:58132787948.0/24
Right Out: 156823.047+/-0.053 χ²/NDF: 4984295295.3/19
Left In: 174570.001+/-0.050 χ²/NDF:54757801795.4/22
Left: 174679.876+/-0.035 χ²/NDF: 112899724862.
Right: 156663.267+/-0.039 χ²/NDF: 6293496881.9/
In: 166614.092+/-0.038 χ²/NDF:112857206901.8
Out: 166618.107+/-0.036 χ²/NDF:126194470360.
All: 166616.213+/-0.026 χ²/NDF: 23905168

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

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

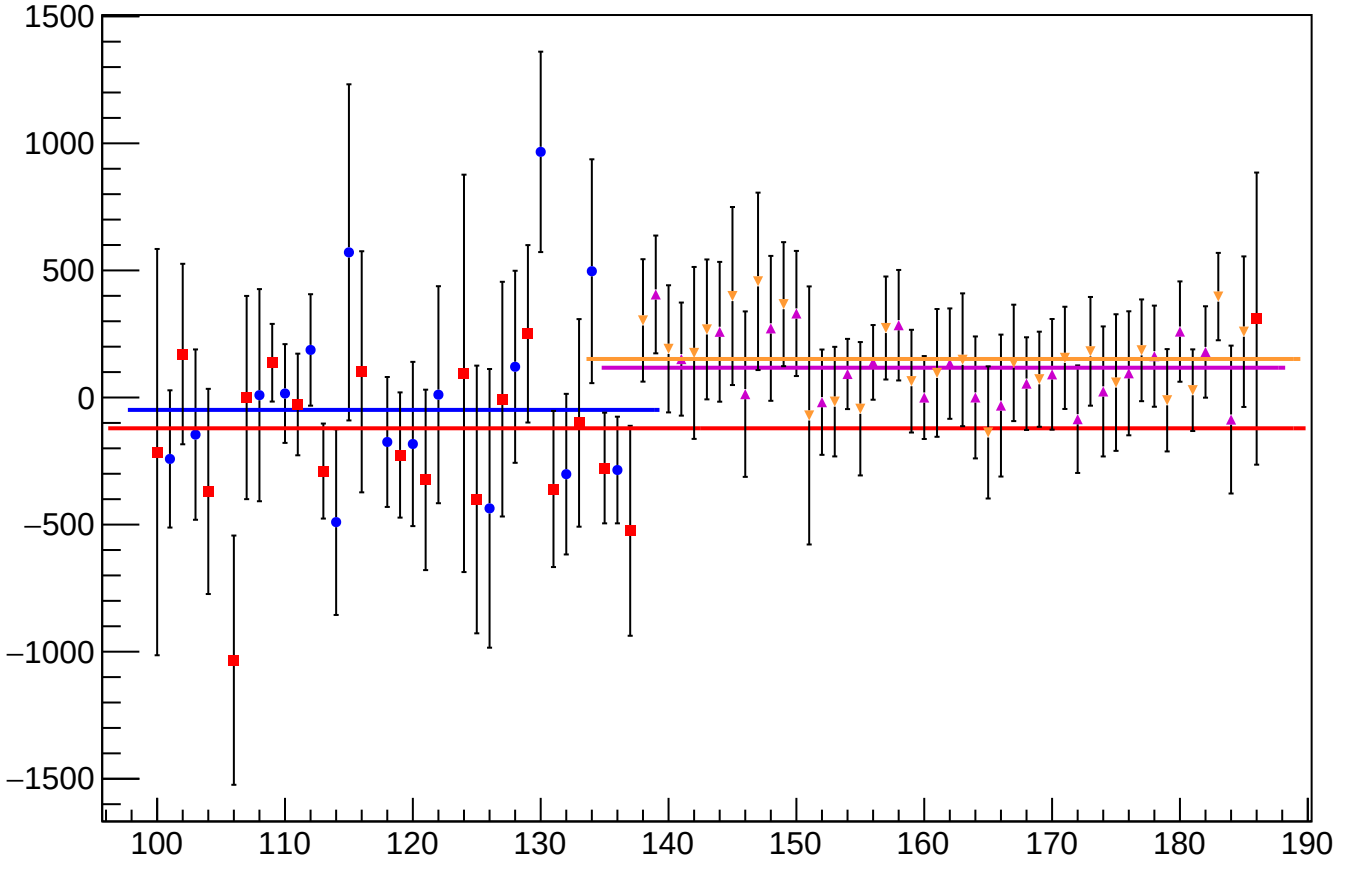
Right: 138.984+/-0.027 χ^2/NDF: 3236496.5/35

In: 180.499+/-0.027 χ^2/NDF:4070282.8/38

Out: 175.620+/-0.025 χ^2/NDF:4947368.3/44

All: 177.921+/-0.018 χ^2/NDF: 9035366.4/83

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

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

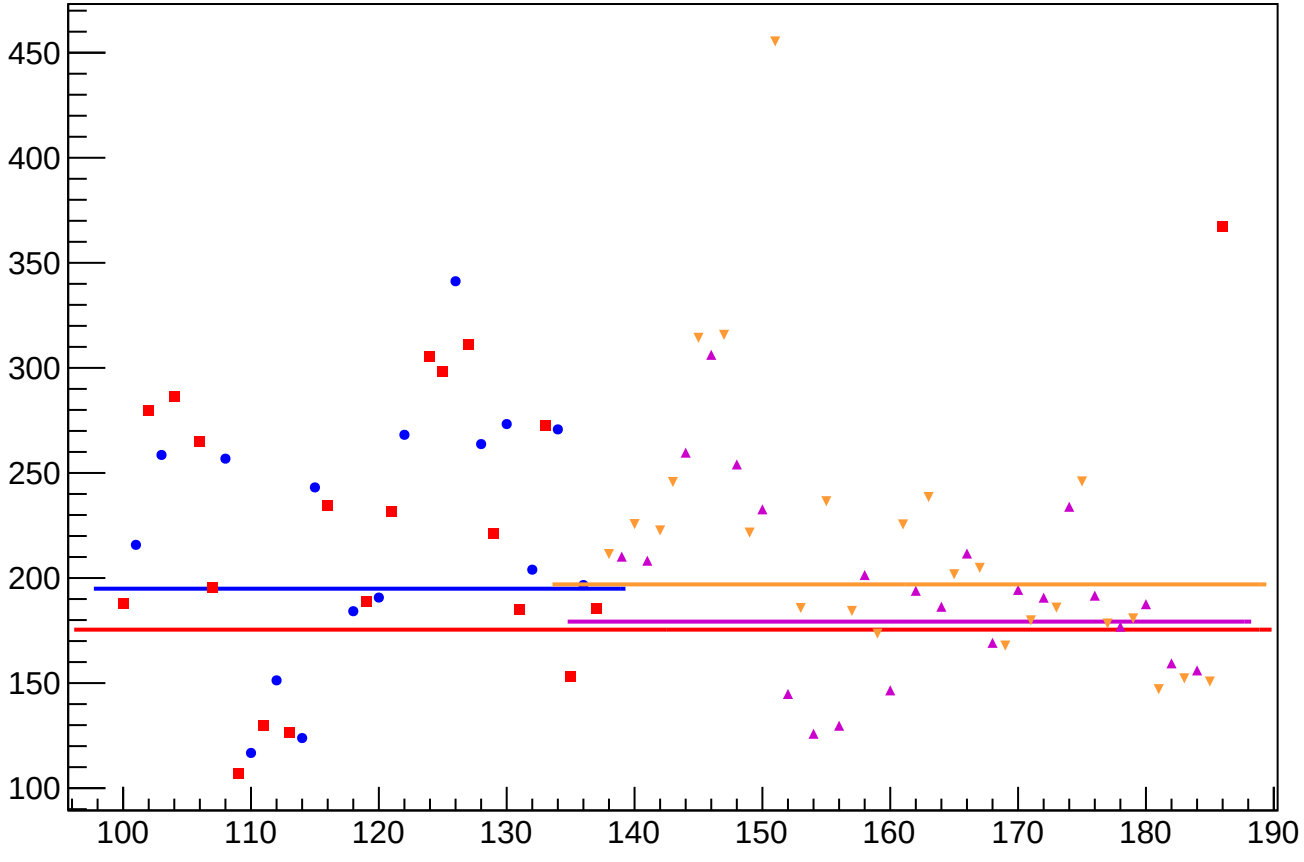
Right: -89.205+/-50.861 χ^2/NDF: 29.4/35

In: 76.307+/-38.008 χ^2/NDF:26.4/38

Out: 64.954+/-38.342 χ^2/NDF:34.0/44

All: 70.680+/-26.993 χ^2/NDF: 60.5/83

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

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

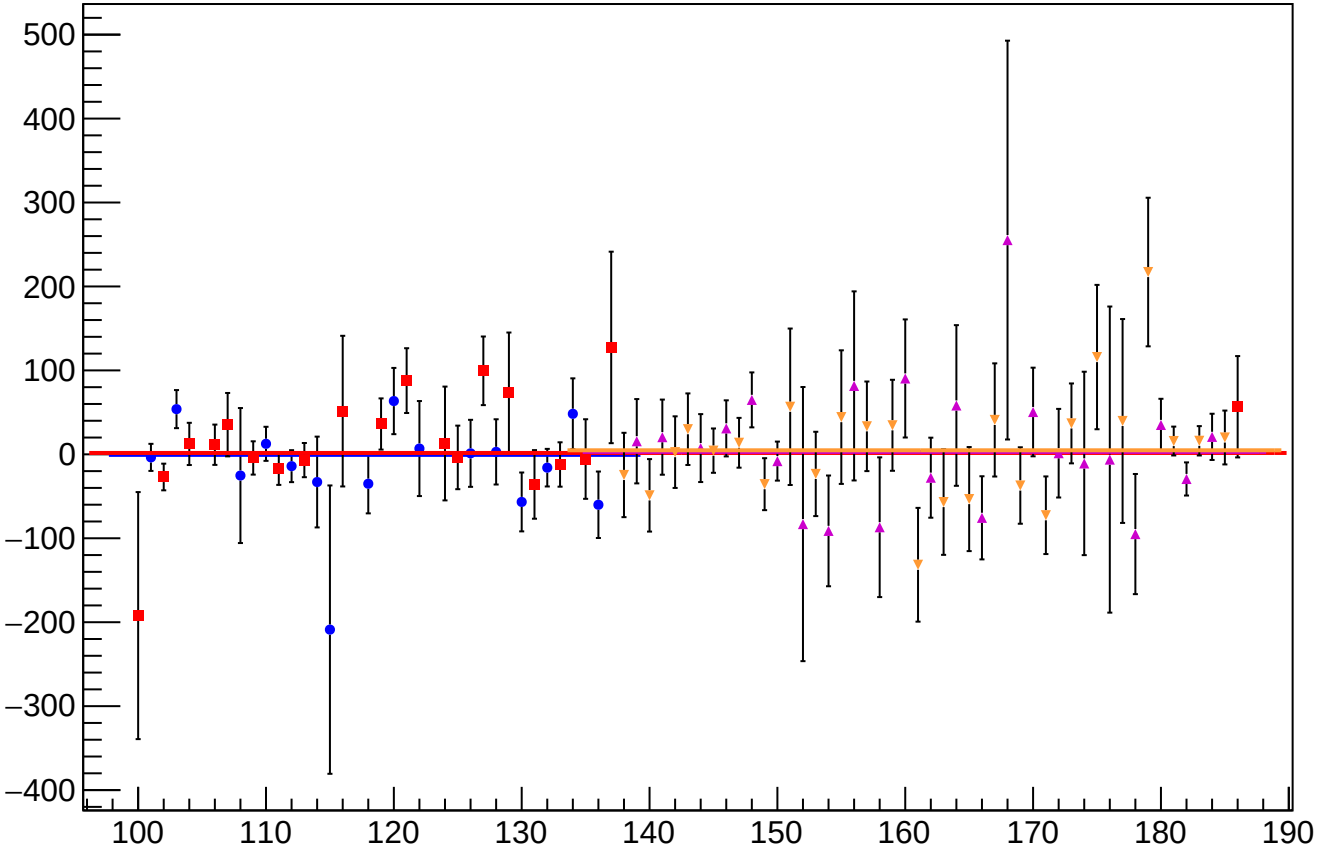
Right: 184.027+/-0.036 χ^2/NDF: 2959150.4/35

In: 183.114+/-0.027 χ^2/NDF:2747998.5/38

Out: 190.131+/-0.027 χ^2/NDF:3804013.8/44

All: 186.592+/-0.019 χ^2/NDF: 6585800.3/83

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

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

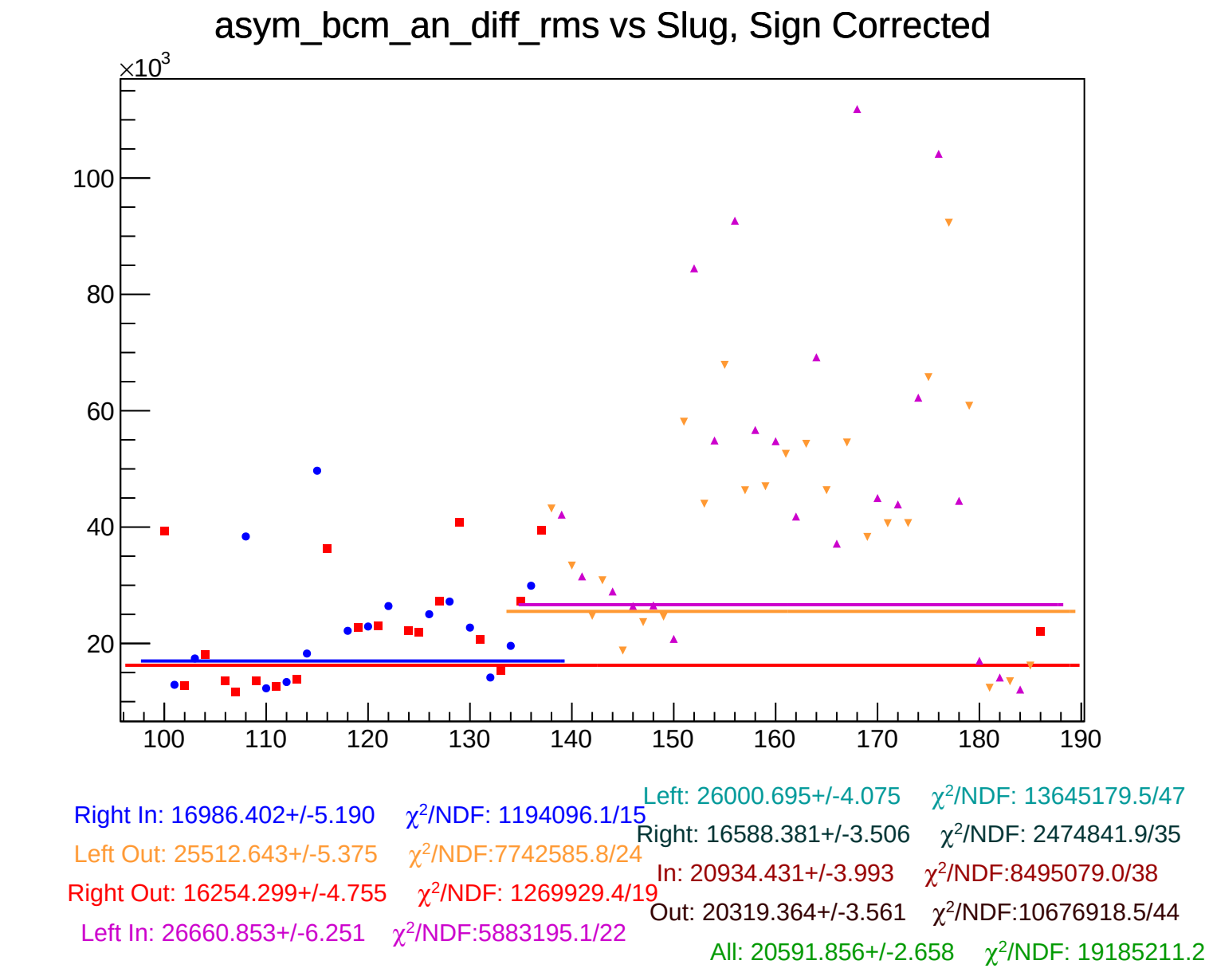
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 0.601+/-4.959 χ^2/NDF: 42.8/35

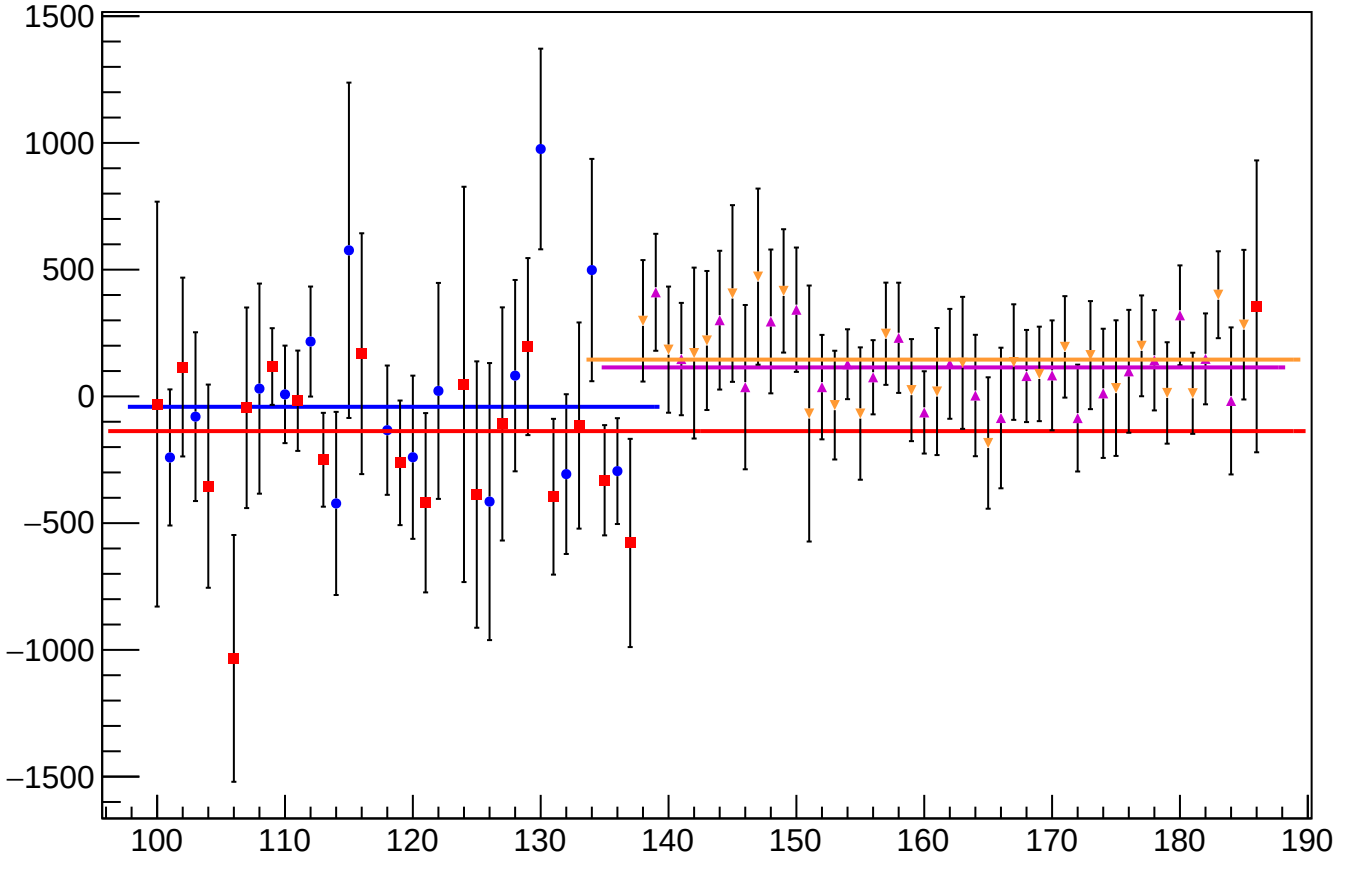
In: 0.822+/-5.647 χ^2/NDF:40.5/38

Out: 3.023+/-5.037 χ^2/NDF:48.3/44

All: 2.048+/-3.759 χ^2/NDF: 88.9/83


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: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
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: 16588.381+/-3.506 χ²/NDF: 2474841.9/35
In: 20934.431+/-3.993 χ²/NDF:8495079.0/38
Out: 20319.364+/-3.561 χ²/NDF:10676918.5/44
All: 20591.856+/-2.658 χ²/NDF: 19185211.2

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

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

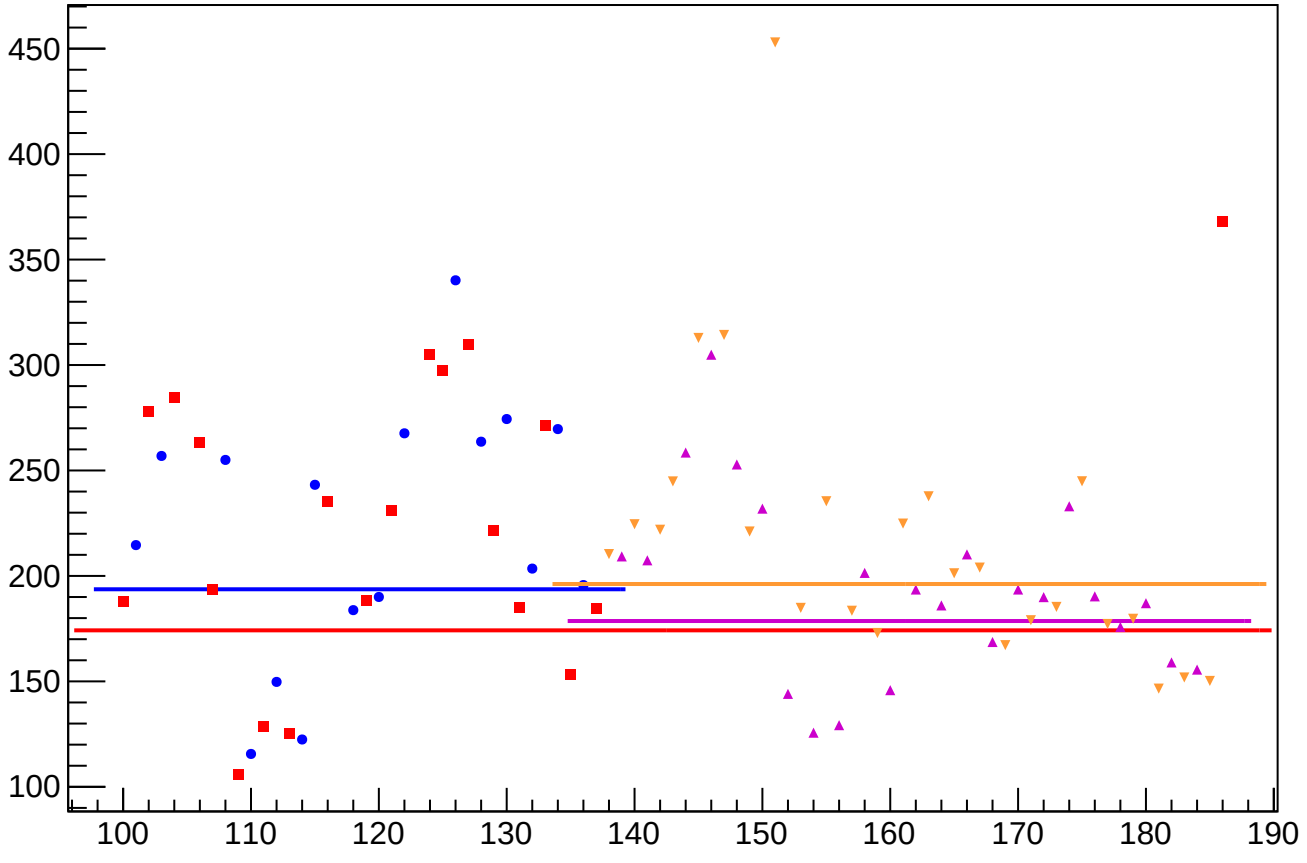
Right: -94.674+/-50.560 χ^2/NDF: 30.1/35

In: 76.002+/-37.851 χ^2/NDF:27.0/38

Out: 55.305+/-38.159 χ^2/NDF:36.8/44

All: 65.737+/-26.873 χ^2/NDF: 64.0/83

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

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

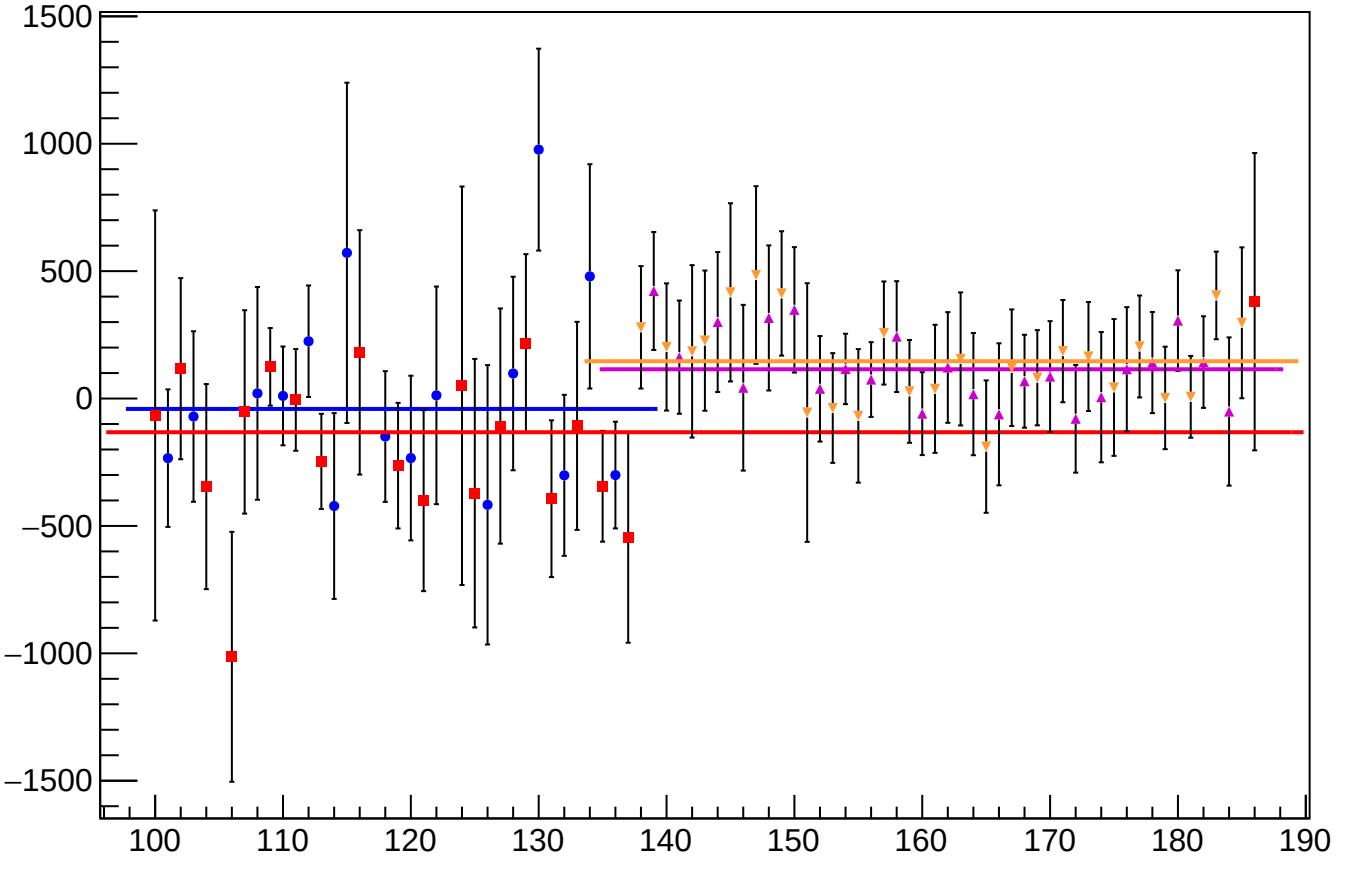
Right: 182.779+/-0.036 χ^2/NDF: 3006113.6/35

In: 182.338+/-0.027 χ^2/NDF:2760455.5/38

Out: 189.167+/-0.027 χ^2/NDF:3833985.5/44

All: 185.725+/-0.019 χ^2/NDF: 6626726.5/83

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

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

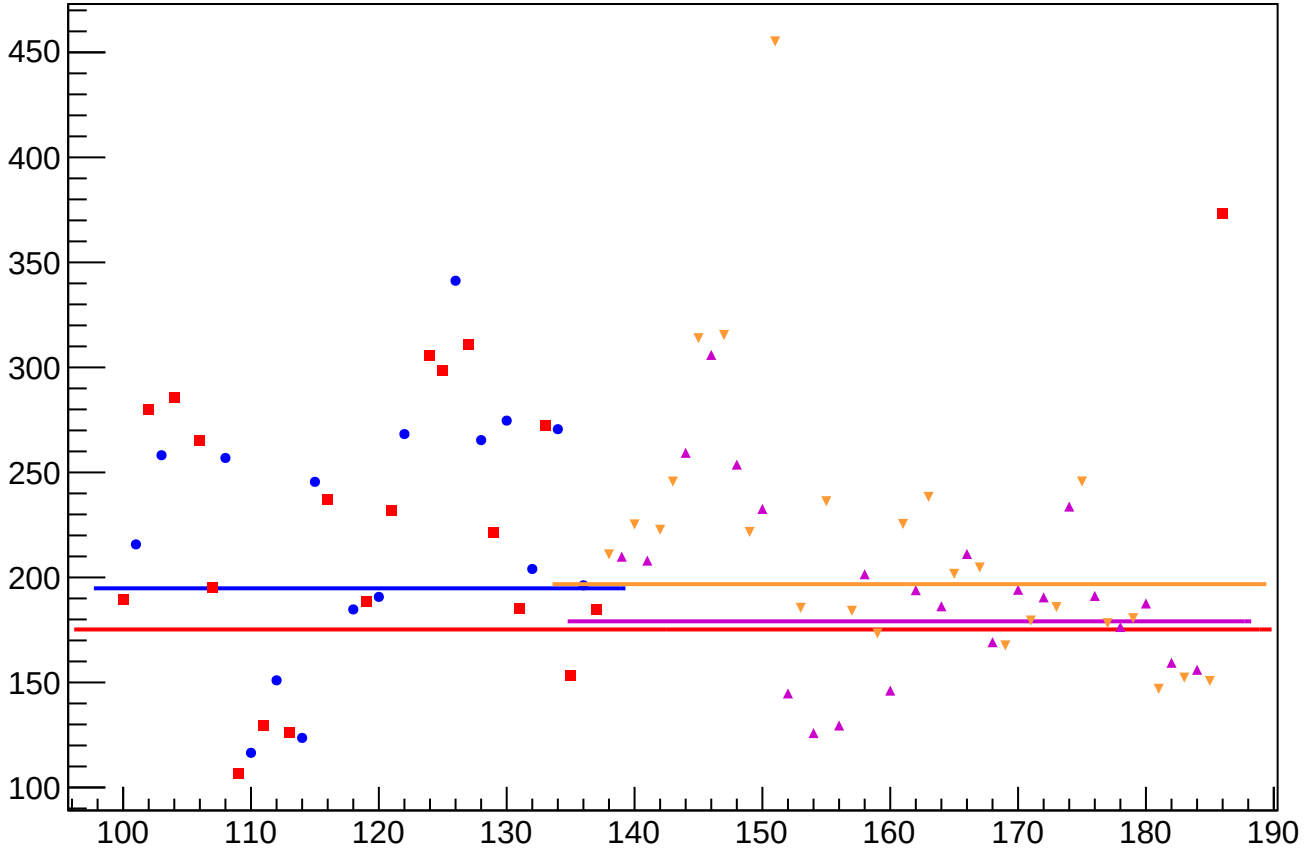
Right: -91.930+/-50.844 χ^2/NDF: 29.8/35

In: 76.530+/-37.981 χ^2/NDF:26.9/38

Out: 57.935+/-38.314 χ^2/NDF:36.6/44

All: 67.313+/-26.974 χ^2/NDF: 63.6/83

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

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

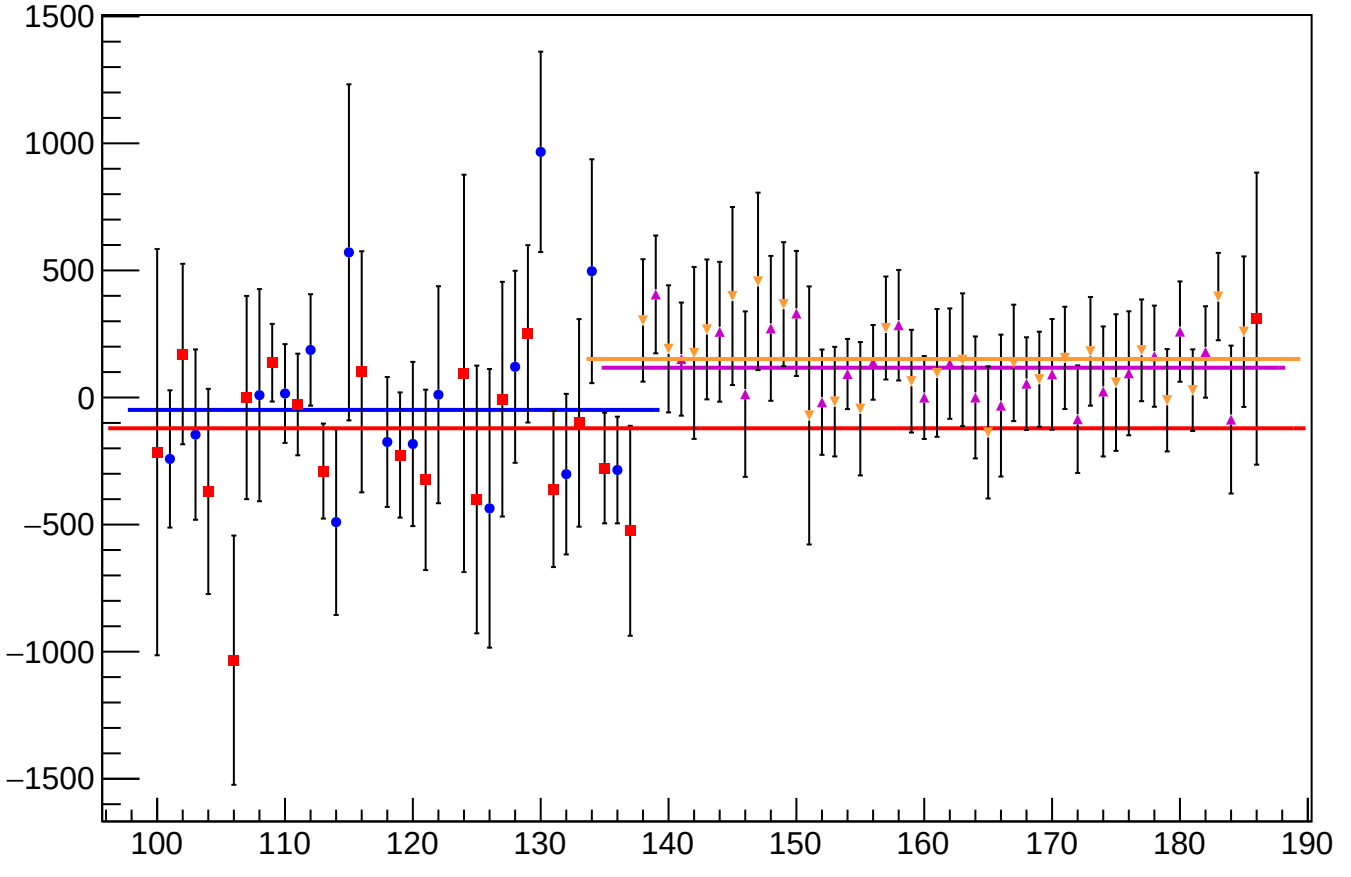
Right: 183.866+/-0.036 χ^2/NDF: 2987423.3/35

In: 182.967+/-0.027 χ^2/NDF:2758498.6/38

Out: 189.955+/-0.027 χ^2/NDF:3821185.8/44

All: 186.431+/-0.019 χ^2/NDF: 6613230.2/83

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

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

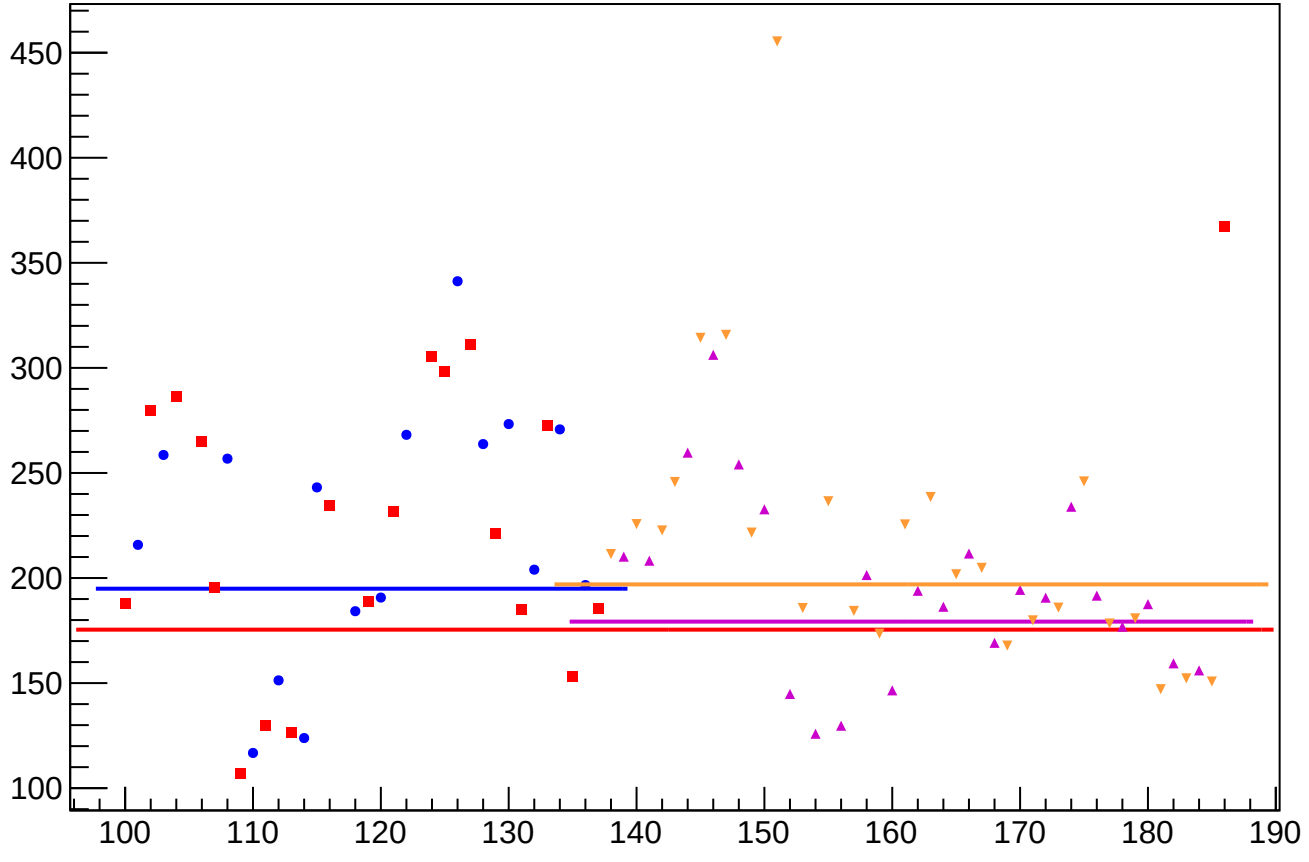
Right: -89.205+/-50.861 χ^2/NDF: 29.4/35

In: 76.307+/-38.008 χ^2/NDF:26.4/38

Out: 64.954+/-38.342 χ^2/NDF:34.0/44

All: 70.680+/-26.993 χ^2/NDF: 60.5/83

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

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

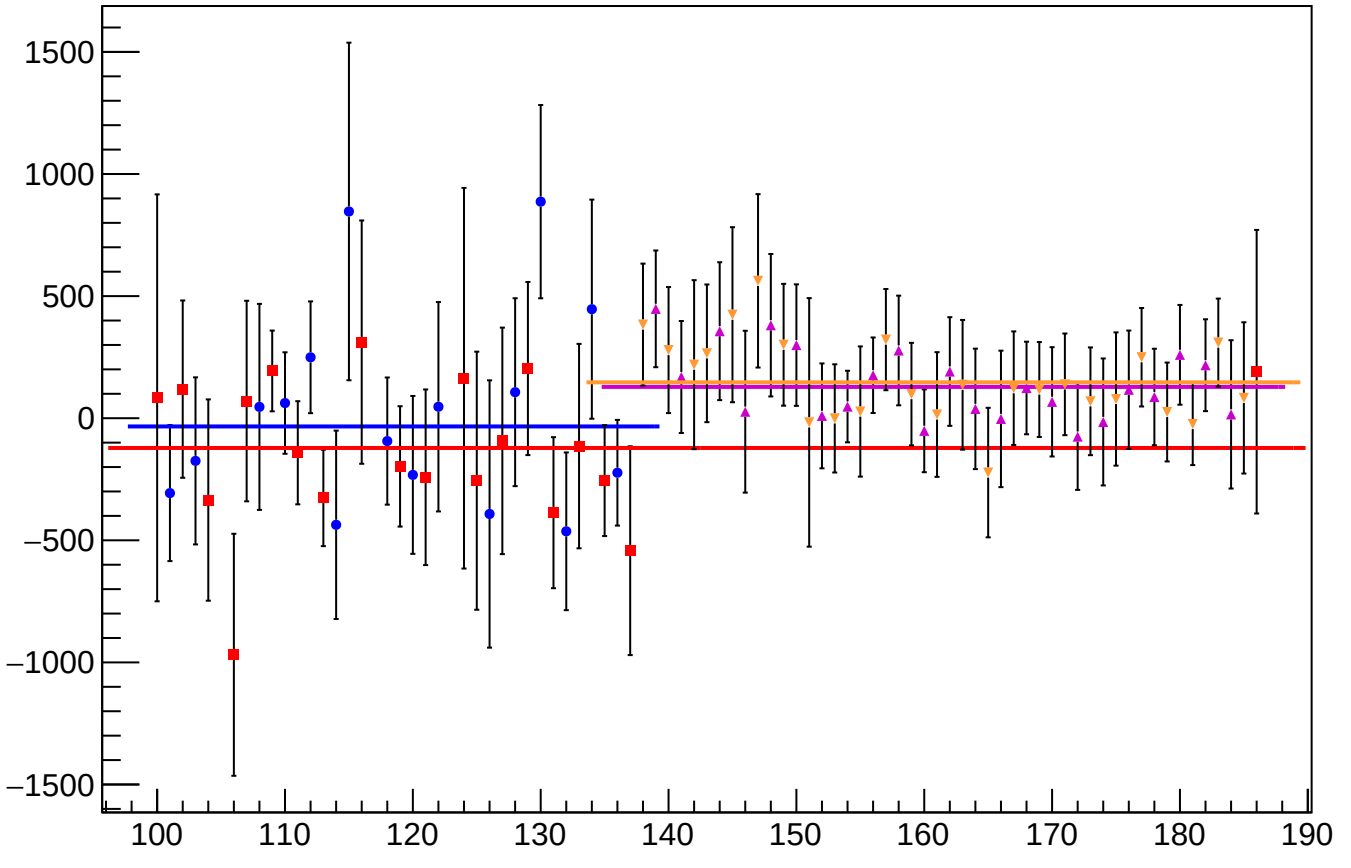
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 184.027+/-0.036 χ^2/NDF: 2959150.4/35

In: 183.114+/-0.027 χ^2/NDF:2747998.5/38

Out: 190.131+/-0.027 χ^2/NDF:3804013.8/44

All: 186.592+/-0.019 χ^2/NDF: 6585800.3/83



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

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

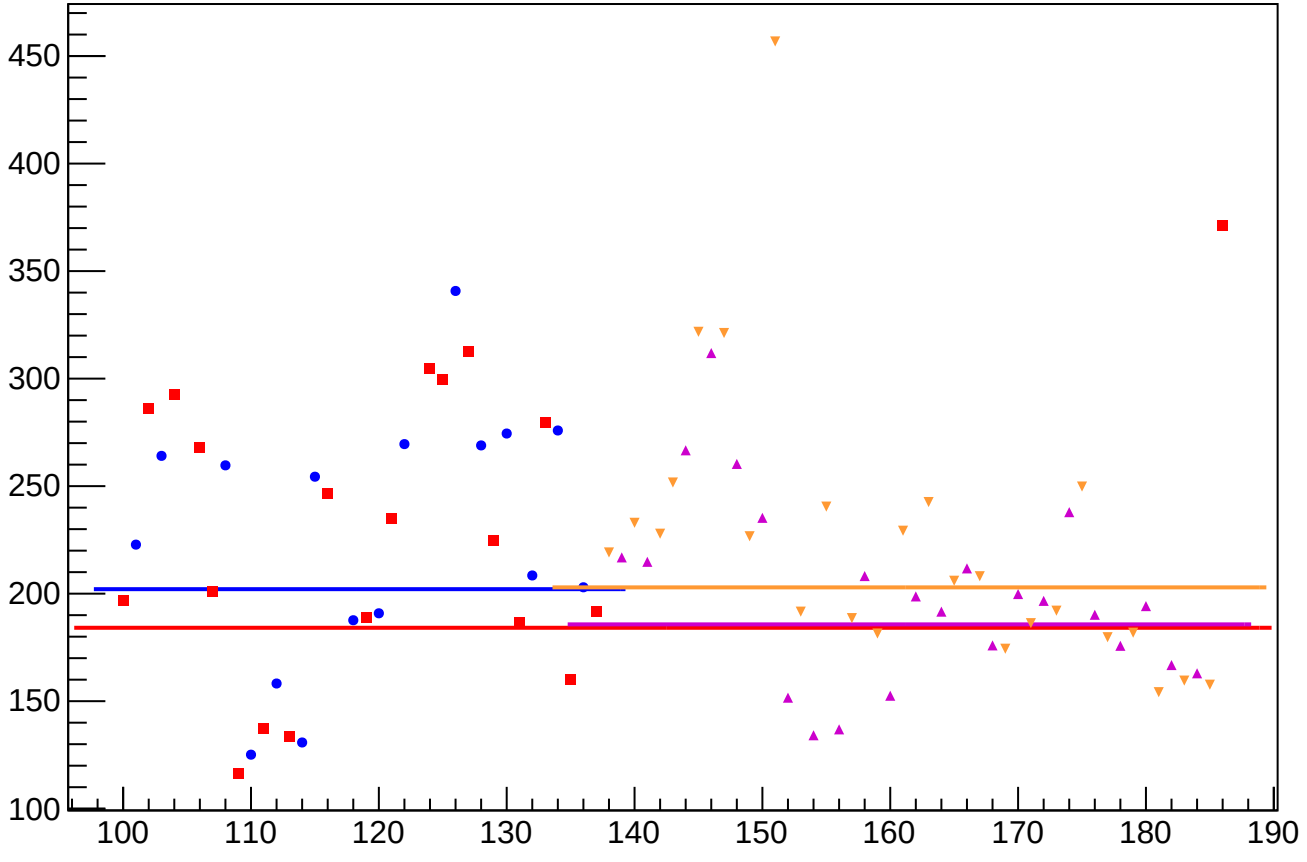
Right: -82.613+/-52.714 χ^2/NDF: 29.4/35

In: 88.230+/-39.232 χ^2/NDF:27.5/38

Out: 62.987+/-39.560 χ^2/NDF:33.1/44

All: 75.714+/-27.857 χ^2/NDF: 60.7/83

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

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

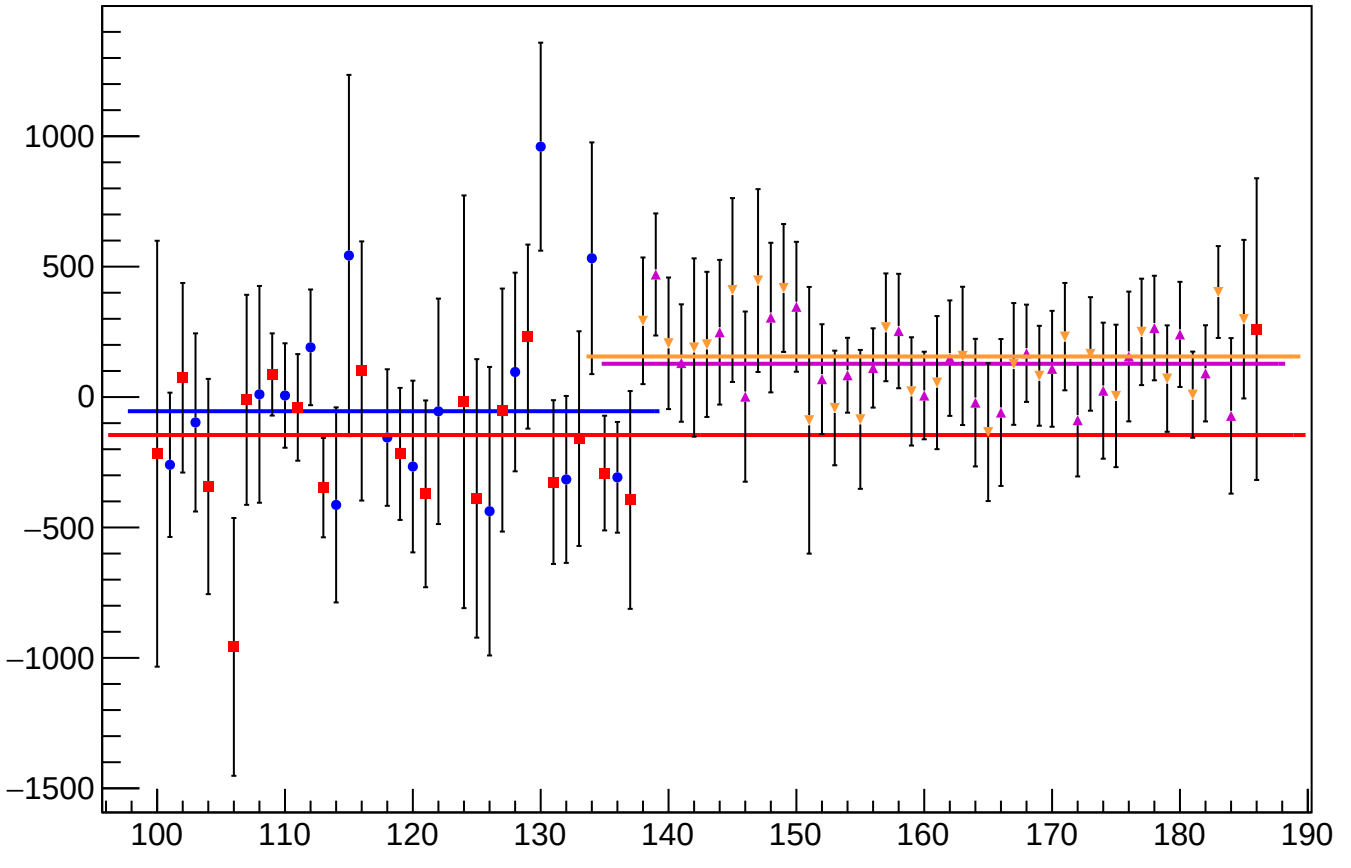
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 192.131+/-0.037 χ^2/NDF: 2619612.4/35

In: 189.754+/-0.028 χ^2/NDF:2464482.5/38

Out: 197.052+/-0.028 χ^2/NDF:3449023.7/44

All: 193.373+/-0.020 χ^2/NDF: 5947813.9/83



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

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

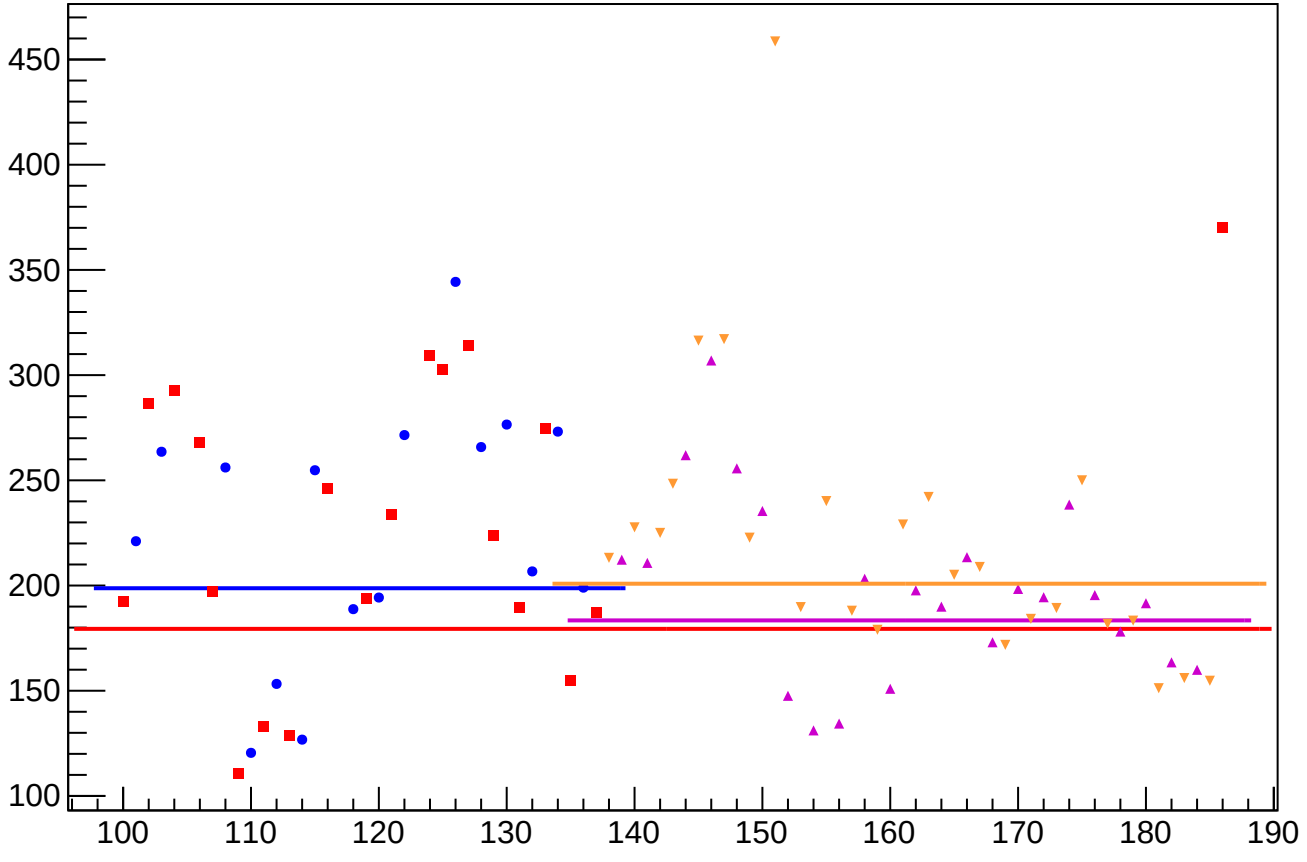
Right: -105.114+/-51.831 χ^2/NDF: 26.6/35

In: 82.642+/-38.775 χ^2/NDF:27.2/38

Out: 60.246+/-39.064 χ^2/NDF:34.2/44

All: 71.527+/-27.520 χ^2/NDF: 61.6/83

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

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

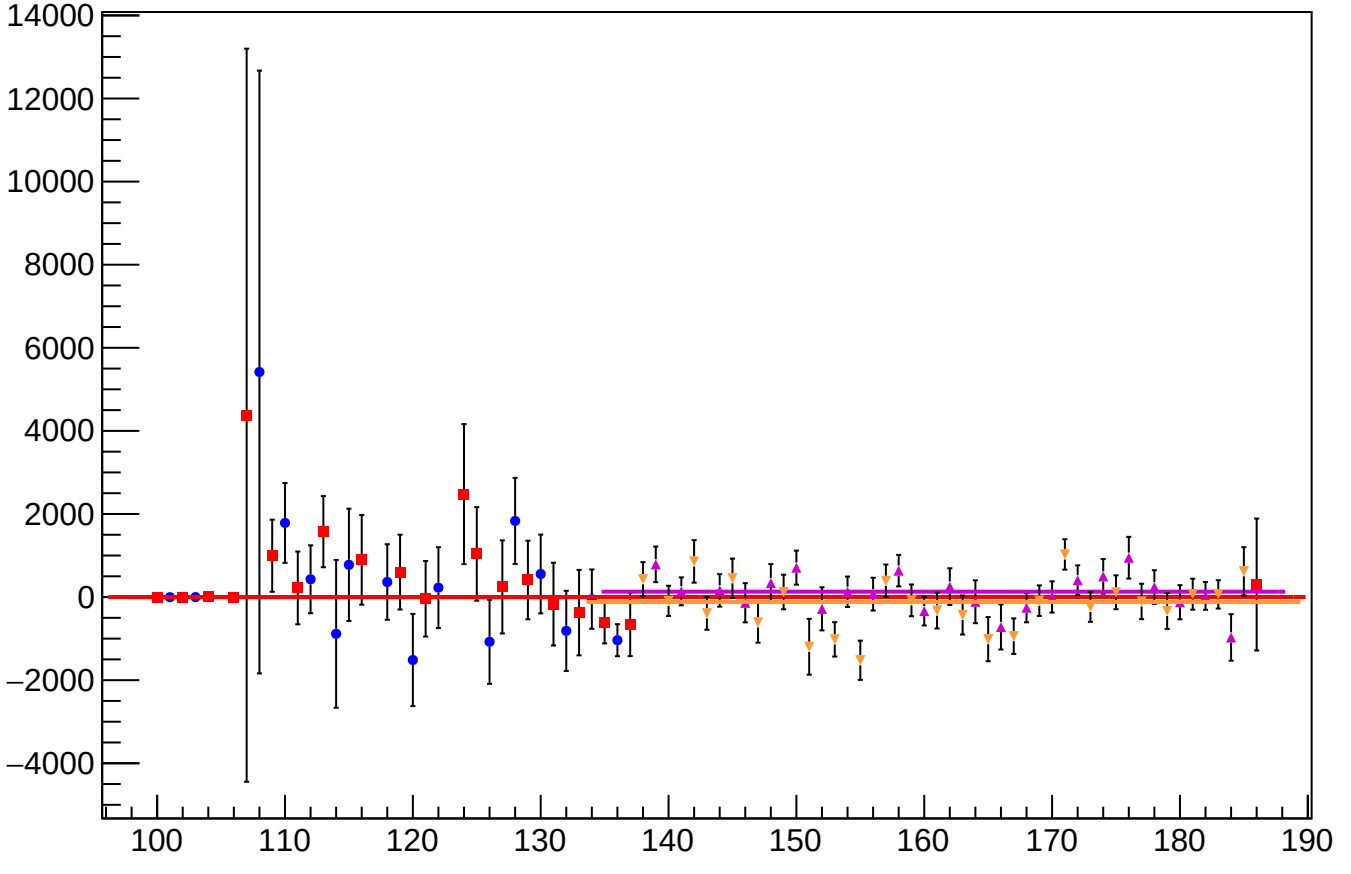
Right: 187.946+/-0.037 χ^2/NDF: 2878929.4/35

In: 187.216+/-0.027 χ^2/NDF:2582625.1/38

Out: 194.066+/-0.028 χ^2/NDF:3674404.8/44

All: 190.615+/-0.019 χ^2/NDF: 6288004.8/83

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

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

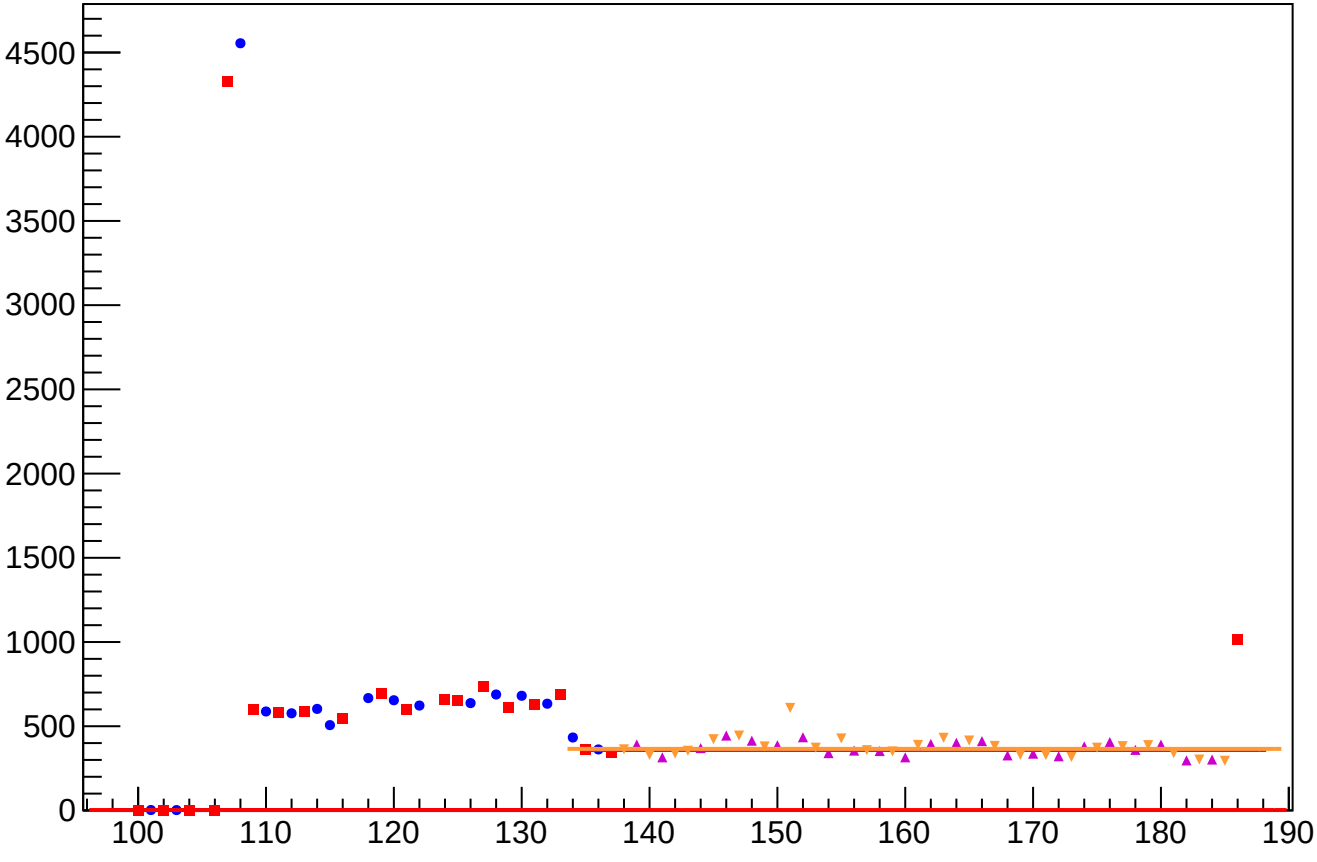
Right: 0.162+/-1.480 χ^2/NDF: 37.6/35

In: -1.154+/-2.170 χ^2/NDF:43.9/38

Out: 1.309+/-2.022 χ^2/NDF:65.3/44

All: 0.165+/-1.479 χ^2/NDF: 109.9/83

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

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

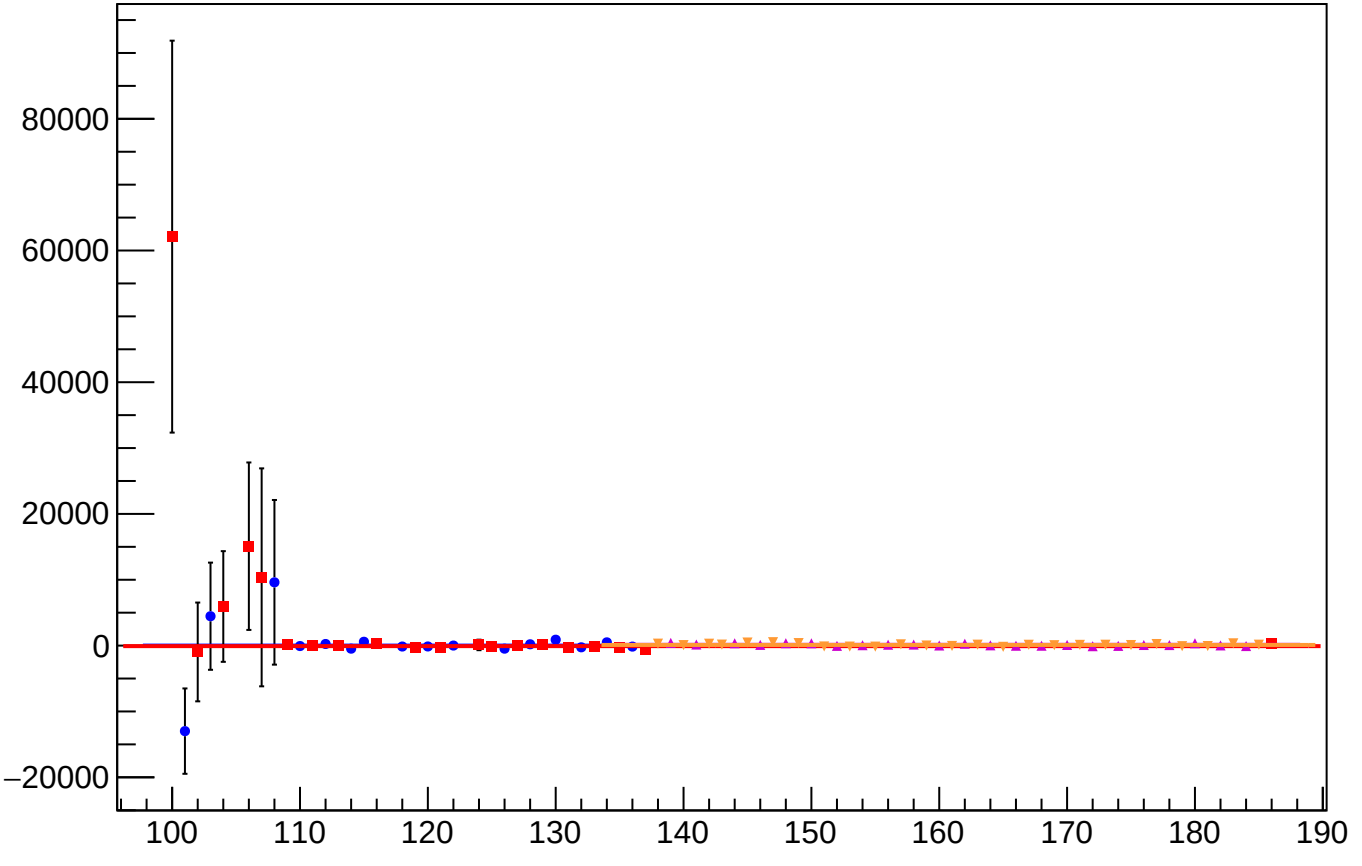
Right: 2.470+/-0.001 χ^2/NDF: 23980798.3/35

In: 2.709+/-0.002 χ^2/NDF:47178422.3/38

Out: 2.673+/-0.001 χ^2/NDF:50195403.8/44

All: 2.690+/-0.001 χ^2/NDF: 97374113.5/83

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

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

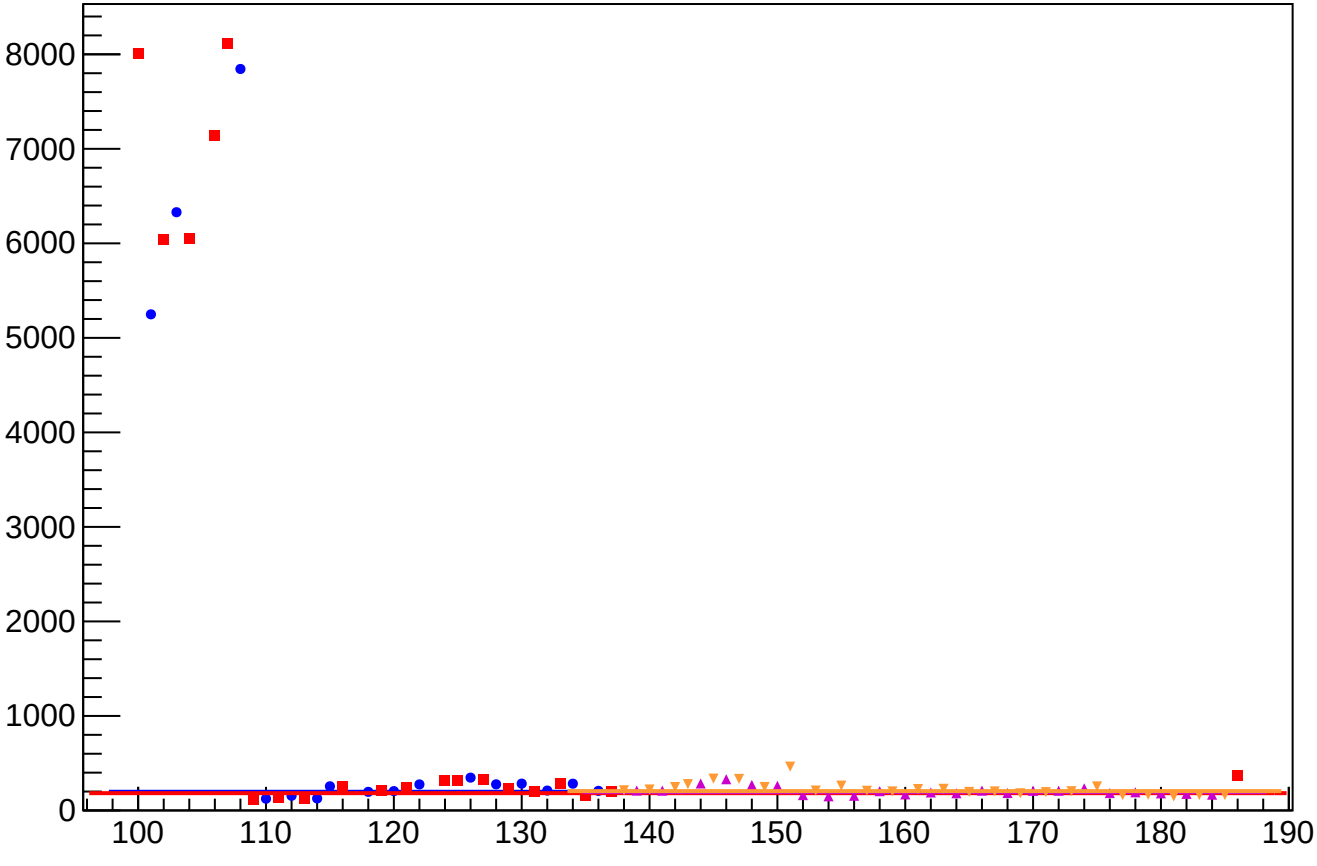
Right: -43.028+/-59.466 χ^2/NDF: 32.7/35

In: 92.940+/-41.409 χ^2/NDF:27.6/38

Out: 52.413+/-41.427 χ^2/NDF:31.8/44

All: 72.685+/-29.287 χ^2/NDF: 59.8/83

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

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

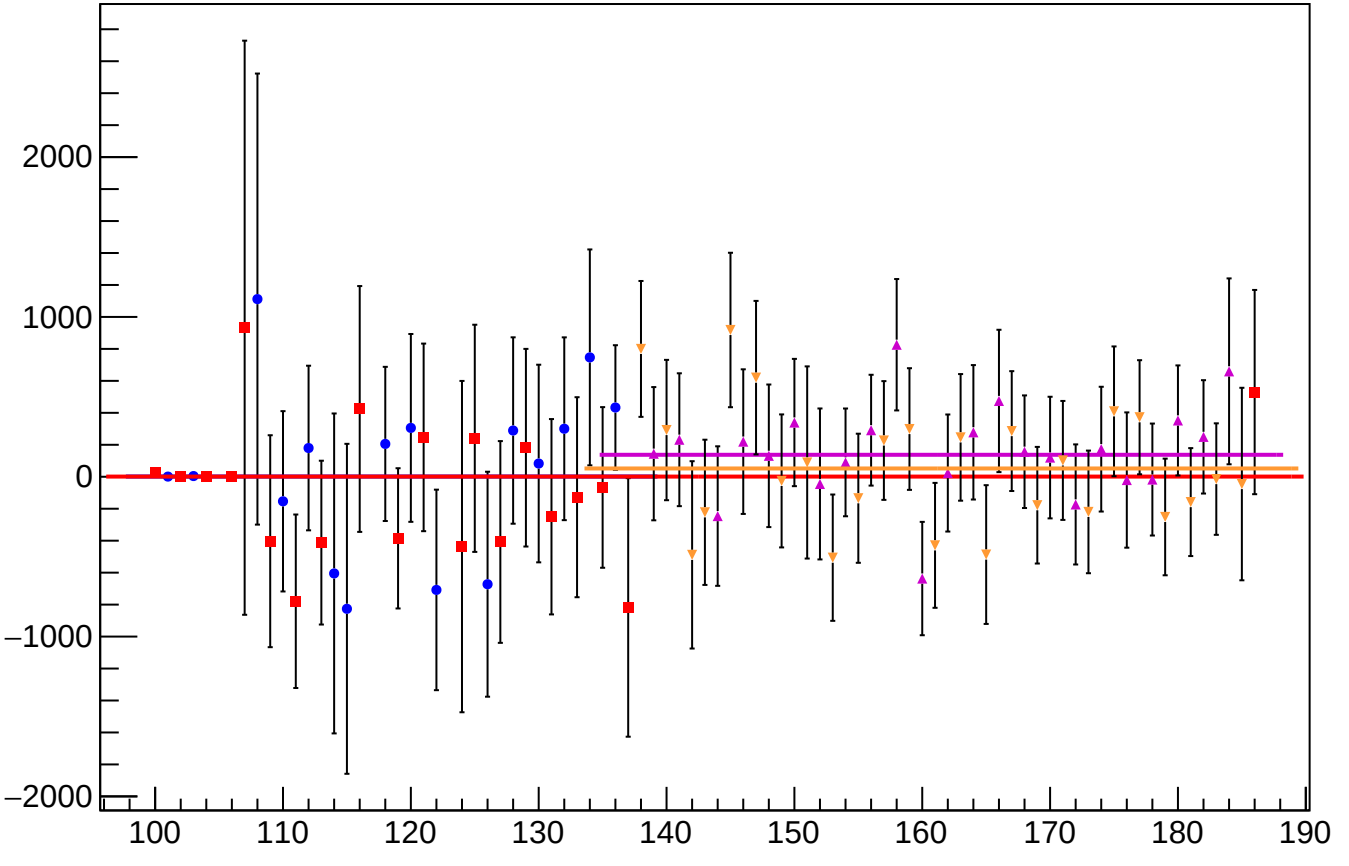
Right: 189.688+/-0.042 χ^2/NDF: 8620141.0/35

In: 194.723+/-0.029 χ^2/NDF:5151579.1/38

Out: 198.902+/-0.029 χ^2/NDF:6713358.4/44

All: 196.812+/-0.021 χ^2/NDF: 11875117.3/83

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

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

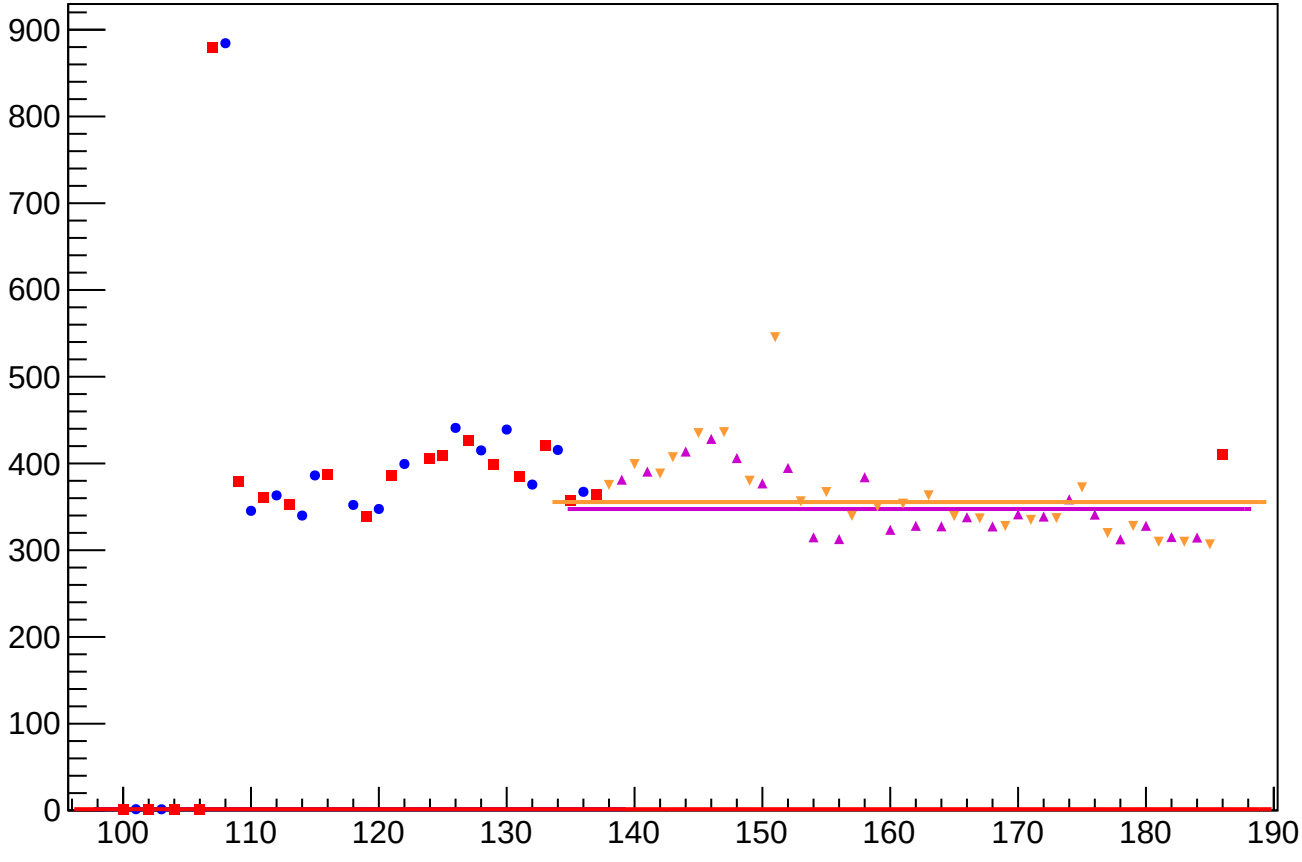
Right: 1.261+/-1.124 χ^2/NDF: 17.8/35

In: 1.511+/-1.660 χ^2/NDF:22.8/38

Out: 1.114+/-1.528 χ^2/NDF:29.7/44

All: 1.296+/-1.124 χ^2/NDF: 52.5/83

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

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

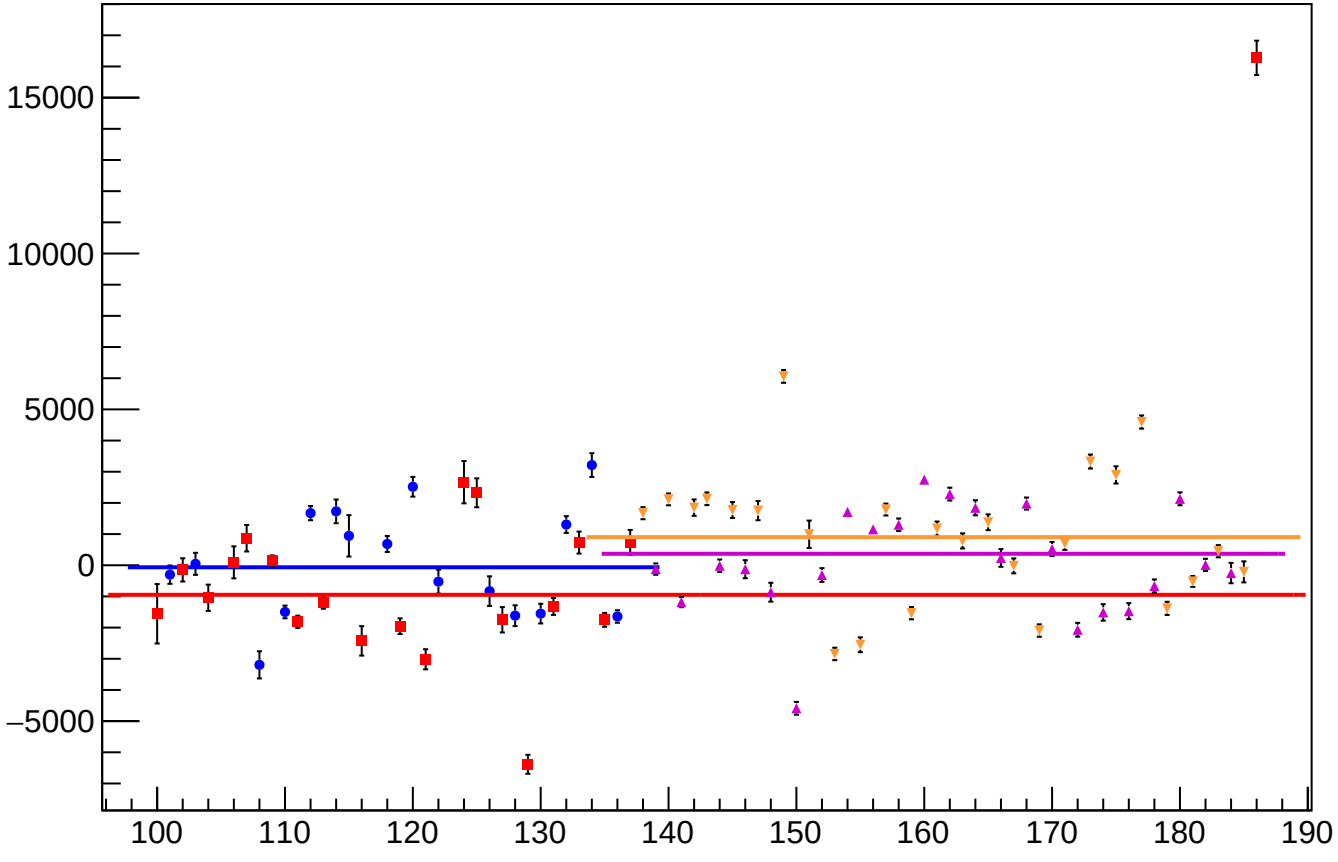
Right: 1.470+/-0.001 χ^2/NDF: 23822504.8/35

In: 1.612+/-0.001 χ^2/NDF:47580608.7/38

Out: 1.594+/-0.001 χ^2/NDF:50298970.3/44

All: 1.602+/-0.001 χ^2/NDF: 97879704.7/83

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

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

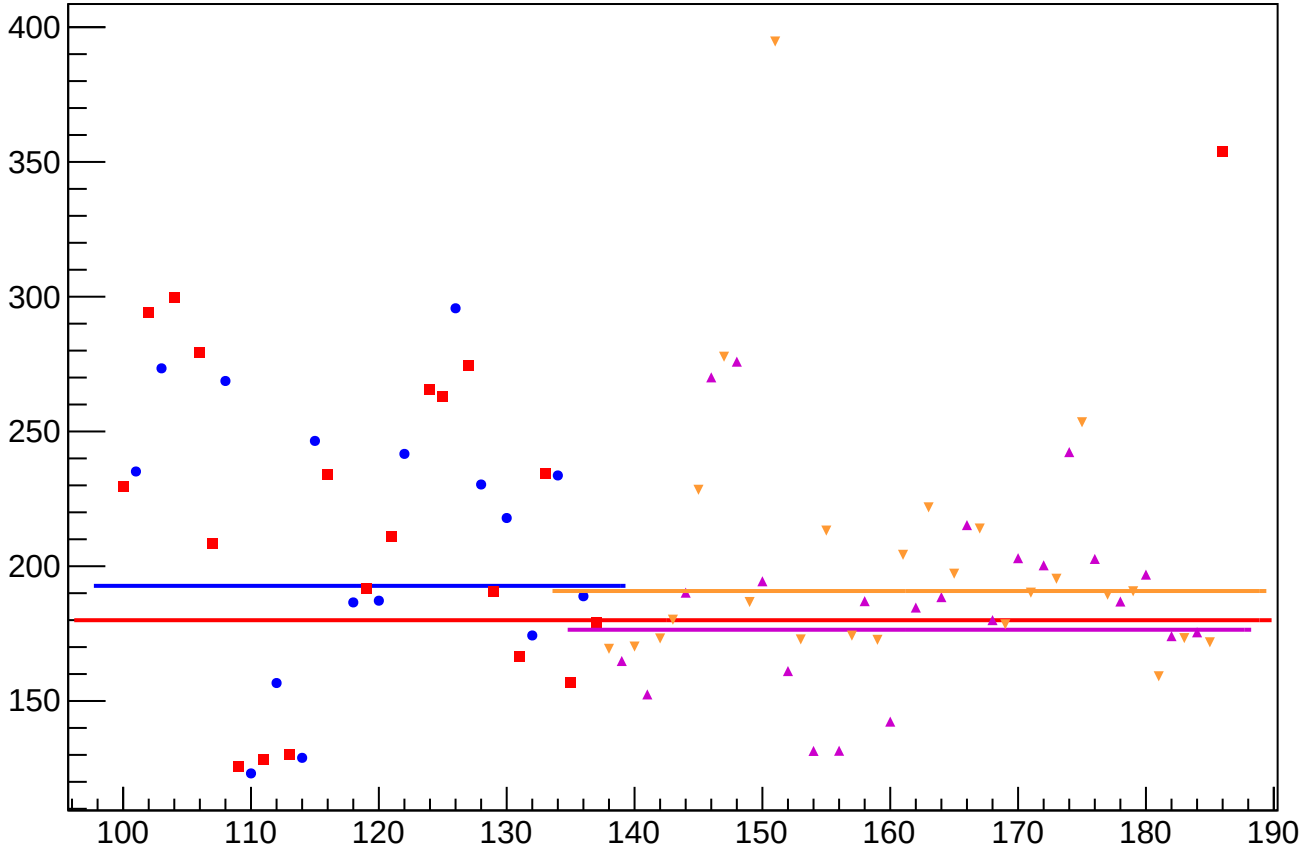
Right: -545.975+/-50.542 χ^2/NDF: 2130.0/35

In: 261.974+/-37.094 χ^2/NDF:2087.7/38

Out: 352.732+/-37.304 χ^2/NDF:4508.8/44

All: 307.097+/-26.303 χ^2/NDF: 6599.5/83

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

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

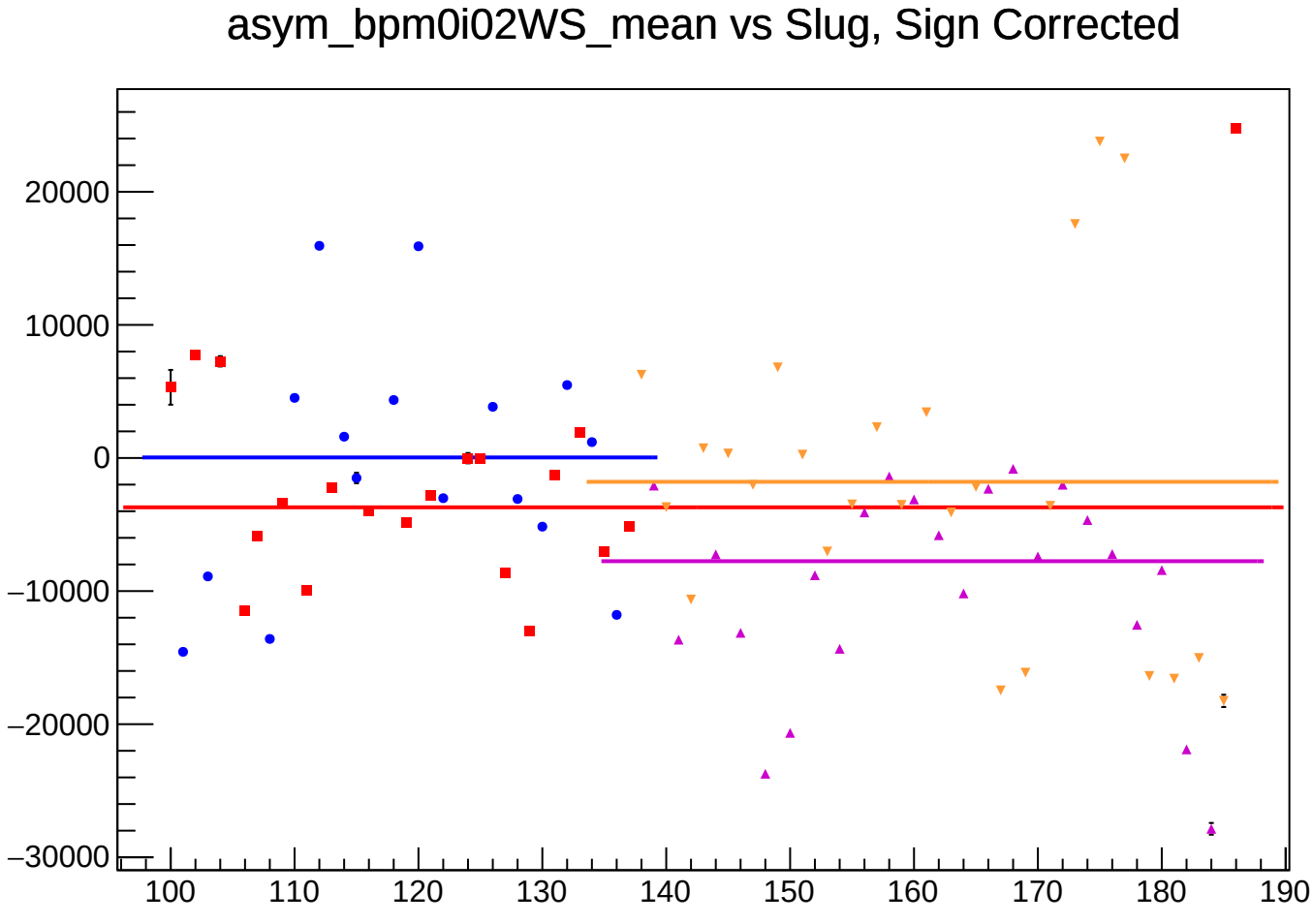
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 185.777+/-0.036 χ^2/NDF: 2218441.0/35

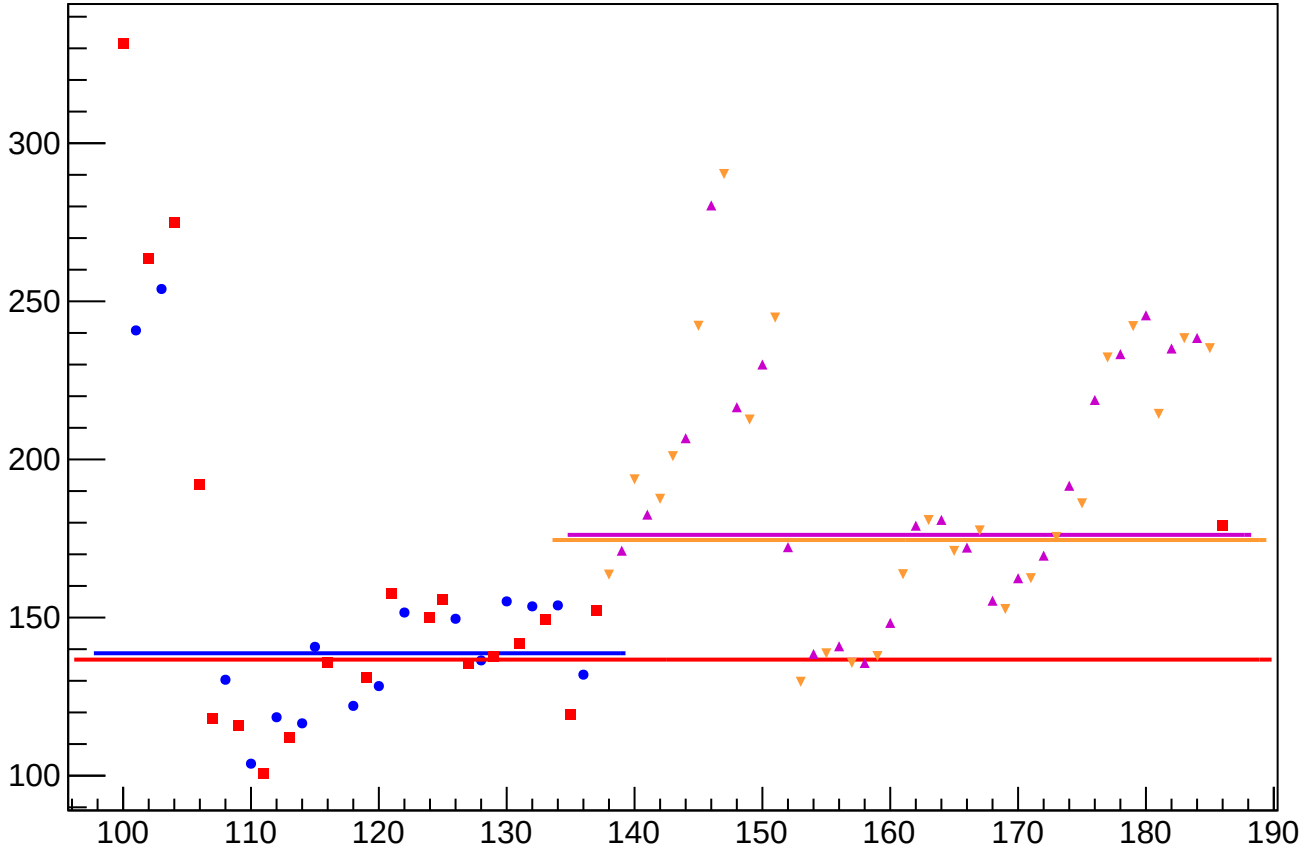
In: 180.427+/-0.026 χ^2/NDF:2088194.1/38

Out: 187.588+/-0.026 χ^2/NDF:2482508.5/44

All: 183.987+/-0.019 χ^2/NDF: 4607764.6/83


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: 40.915+/-54.199 χ²/NDF: 30786.3/15
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: -1938.356+/-37.226 χ²/NDF: 51785.0/35
In: -4780.115+/-33.479 χ²/NDF:66858.1/38
Out: -2536.413+/-31.965 χ²/NDF:85074.0/44
All: -3606.397+/-23.119 χ²/NDF: 154281.8/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

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

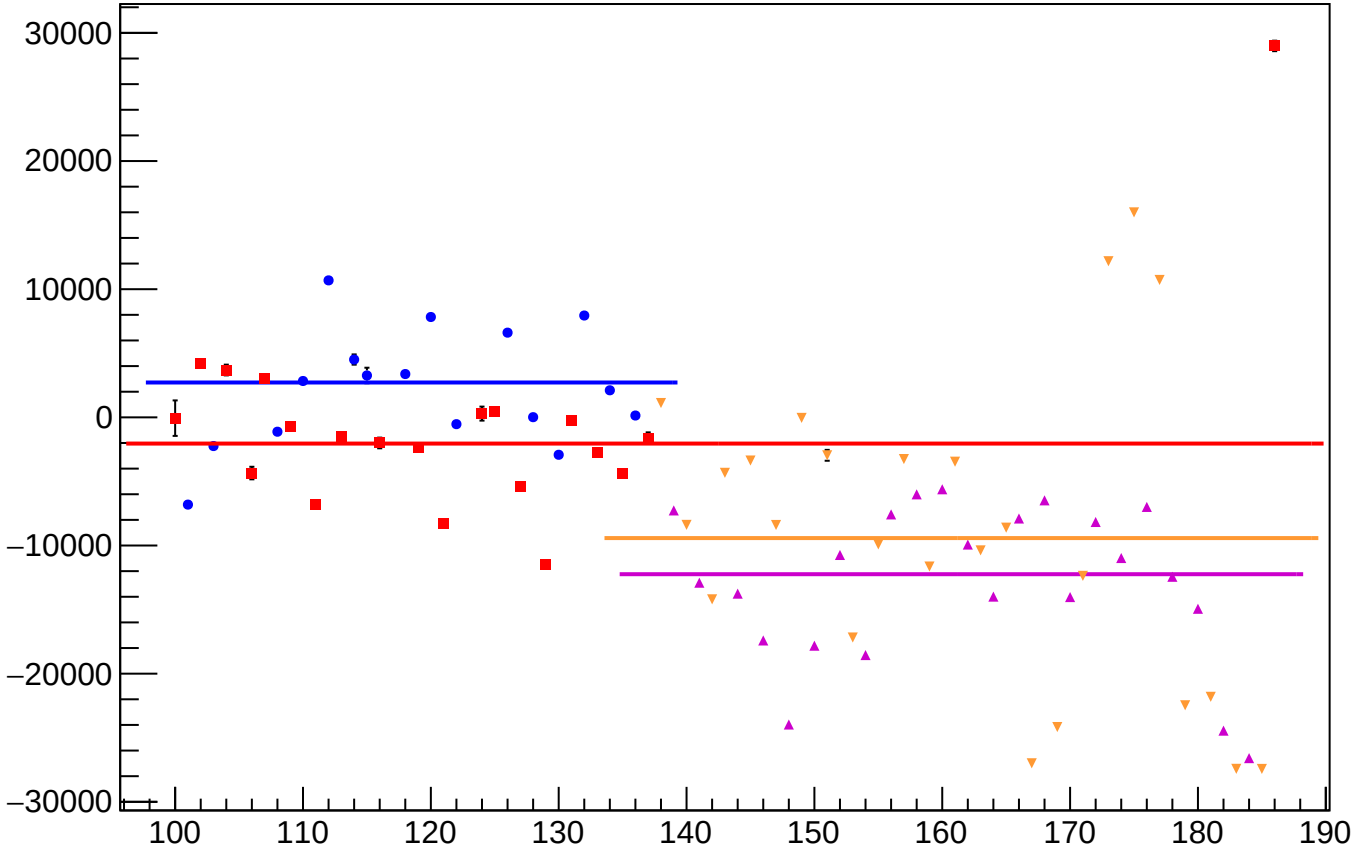
Right: 137.652+/-0.026 χ^2/NDF: 1596316.2/35

In: 161.868+/-0.024 χ^2/NDF:2615168.9/38

Out: 159.792+/-0.023 χ^2/NDF:3262135.0/44

All: 160.782+/-0.016 χ^2/NDF: 5881329.3/83

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

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

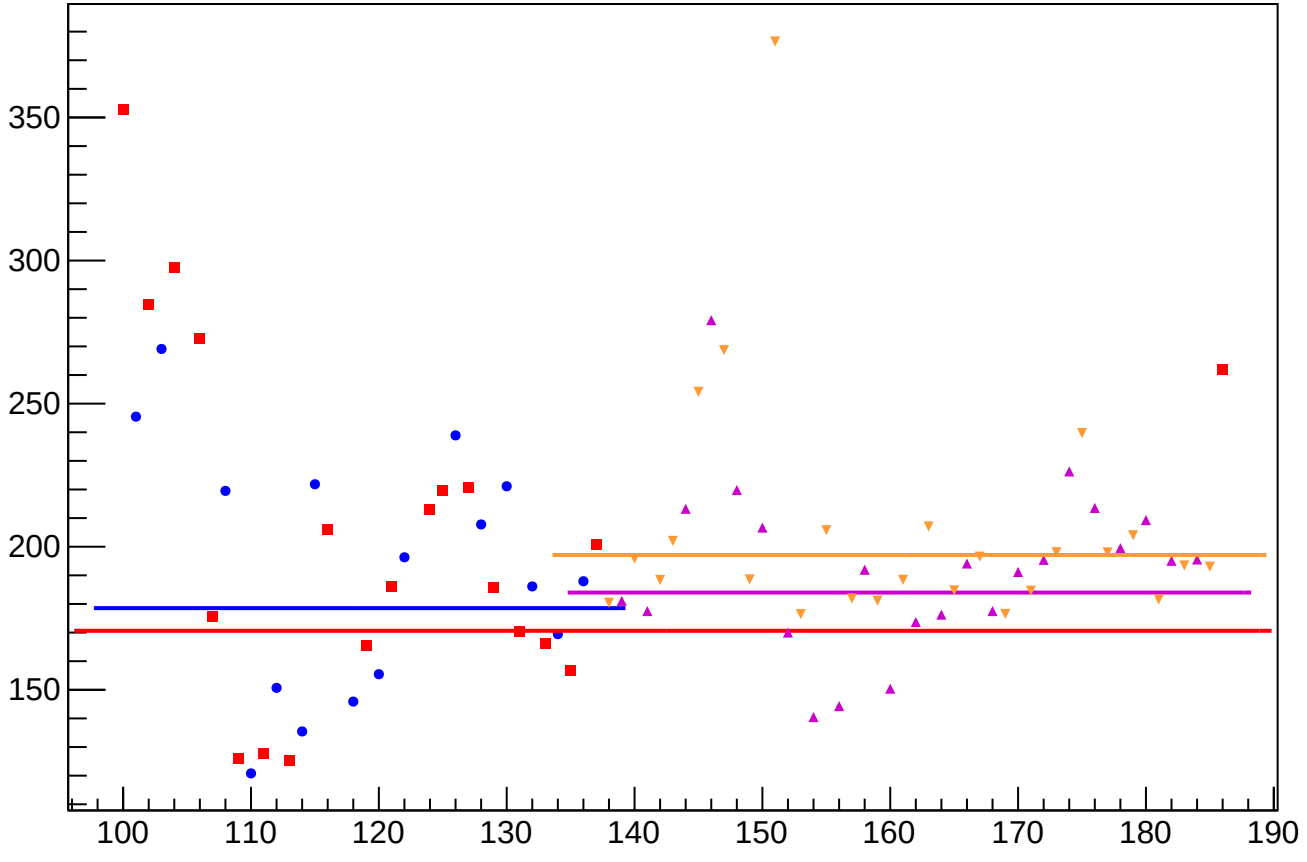
Right: 151.615+/-47.021 χ^2/NDF: 15627.8/35

In: -7909.149+/-37.254 χ^2/NDF:53302.7/38

Out: -6932.701+/-37.201 χ^2/NDF:82449.1/44

All: -7420.222+/-26.324 χ^2/NDF: 136095.7/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

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

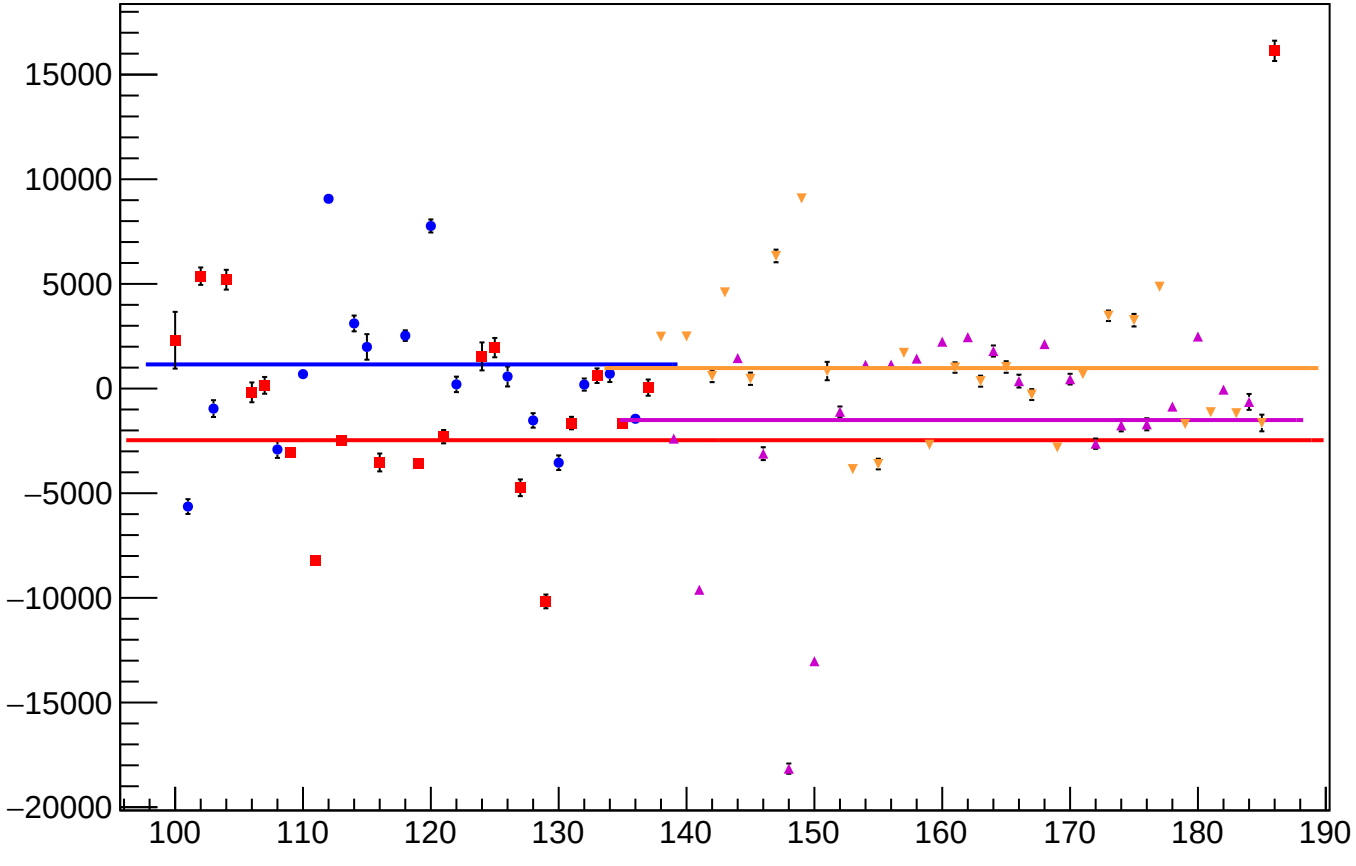
Right: 174.275+/-0.033 χ^2/NDF: 1770217.2/35

In: 182.410+/-0.026 χ^2/NDF:1513129.0/38

Out: 188.185+/-0.026 χ^2/NDF:2040900.1/44

All: 185.301+/-0.019 χ^2/NDF: 3578094.7/83

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -2467.471+/-68.450 χ^2/NDF: 3947.7/19

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

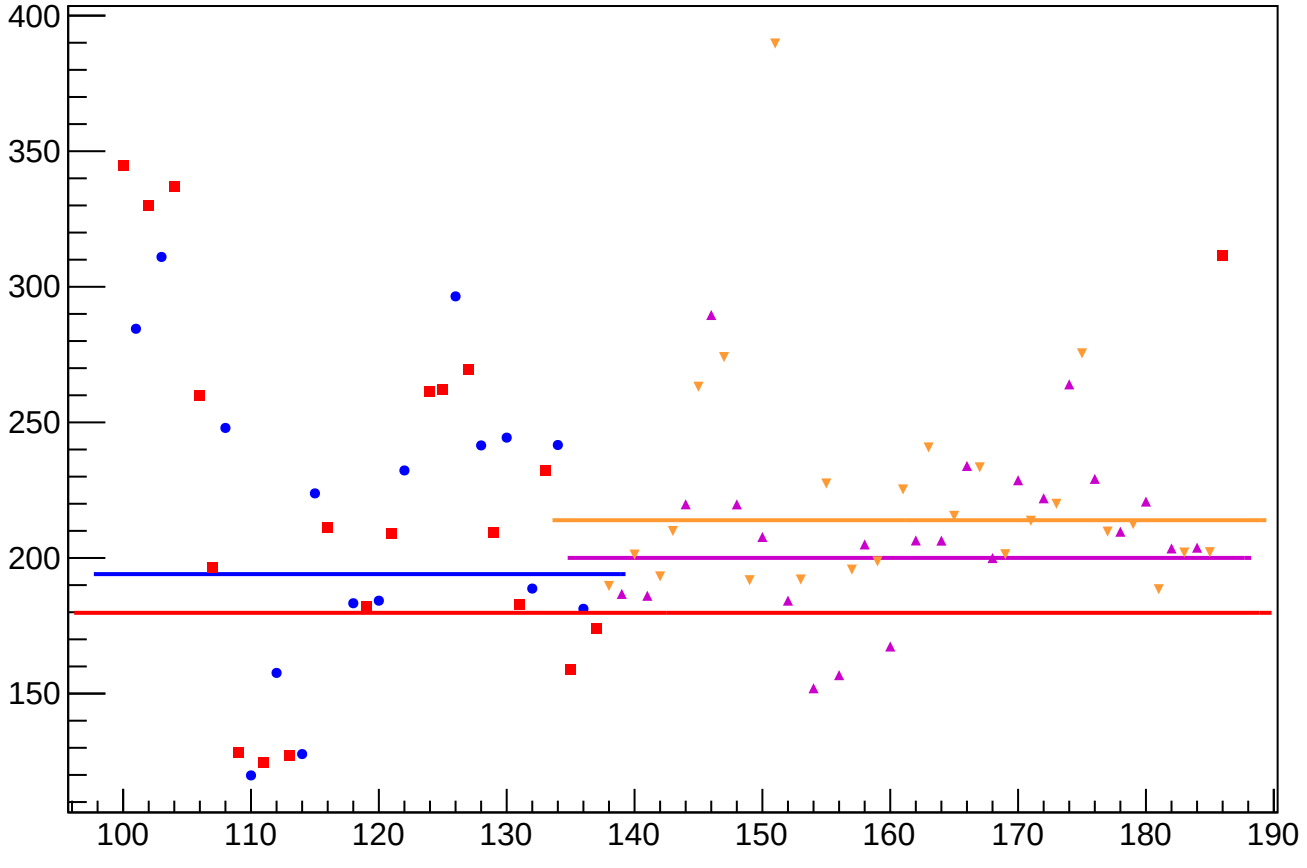
Right: -844.567+/-50.849 χ^2/NDF: 7857.3/35

In: -745.144+/-40.608 χ^2/NDF:15011.1/38

Out: -208.182+/-40.168 χ^2/NDF:9932.2/44

All: -473.739+/-28.557 χ^2/NDF: 25031.7/83

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

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

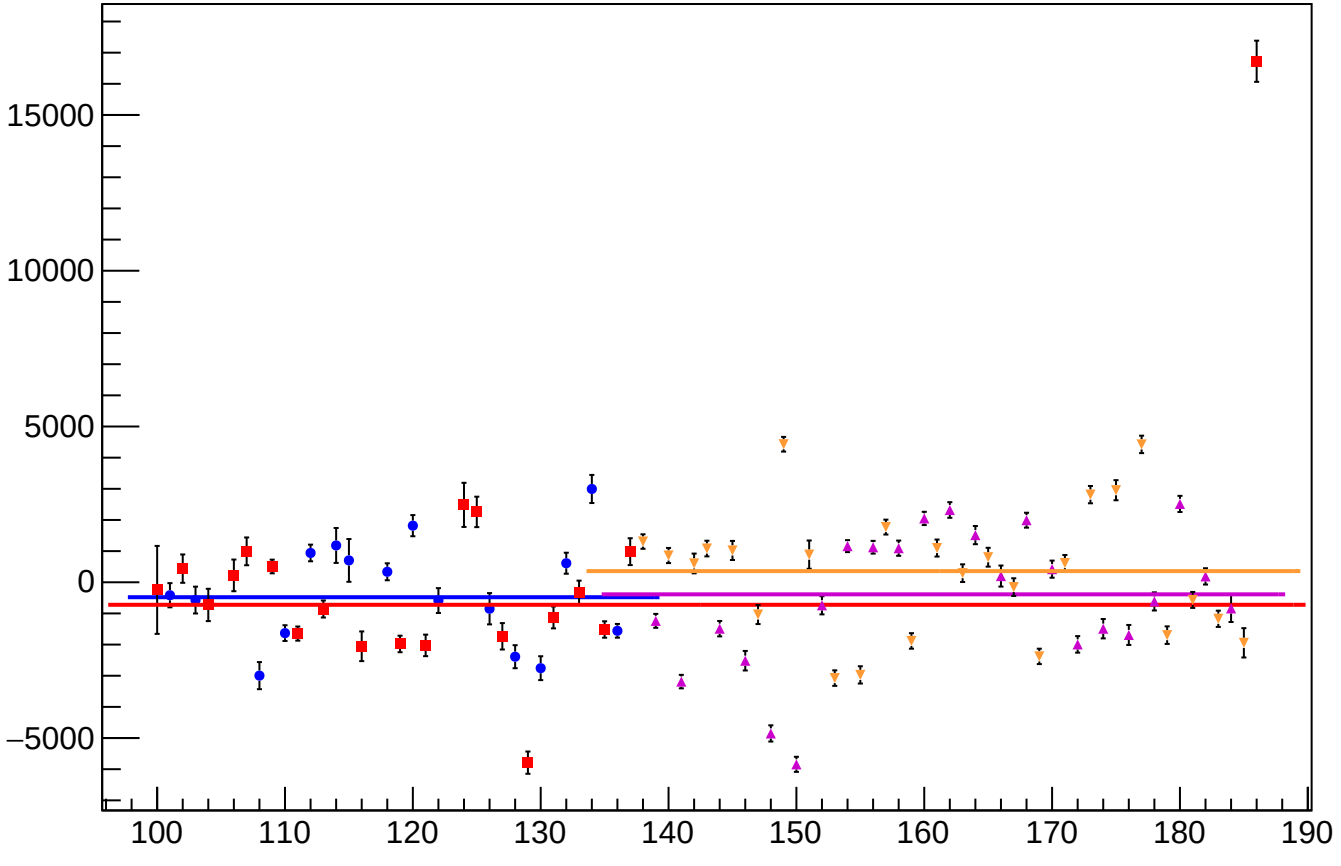
Right: 186.176+/-0.036 χ^2/NDF: 2513909.5/35

In: 198.322+/-0.029 χ^2/NDF:1760158.0/38

Out: 202.171+/-0.028 χ^2/NDF:2569202.5/44

All: 200.268+/-0.020 χ^2/NDF: 4338442.2/83

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

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

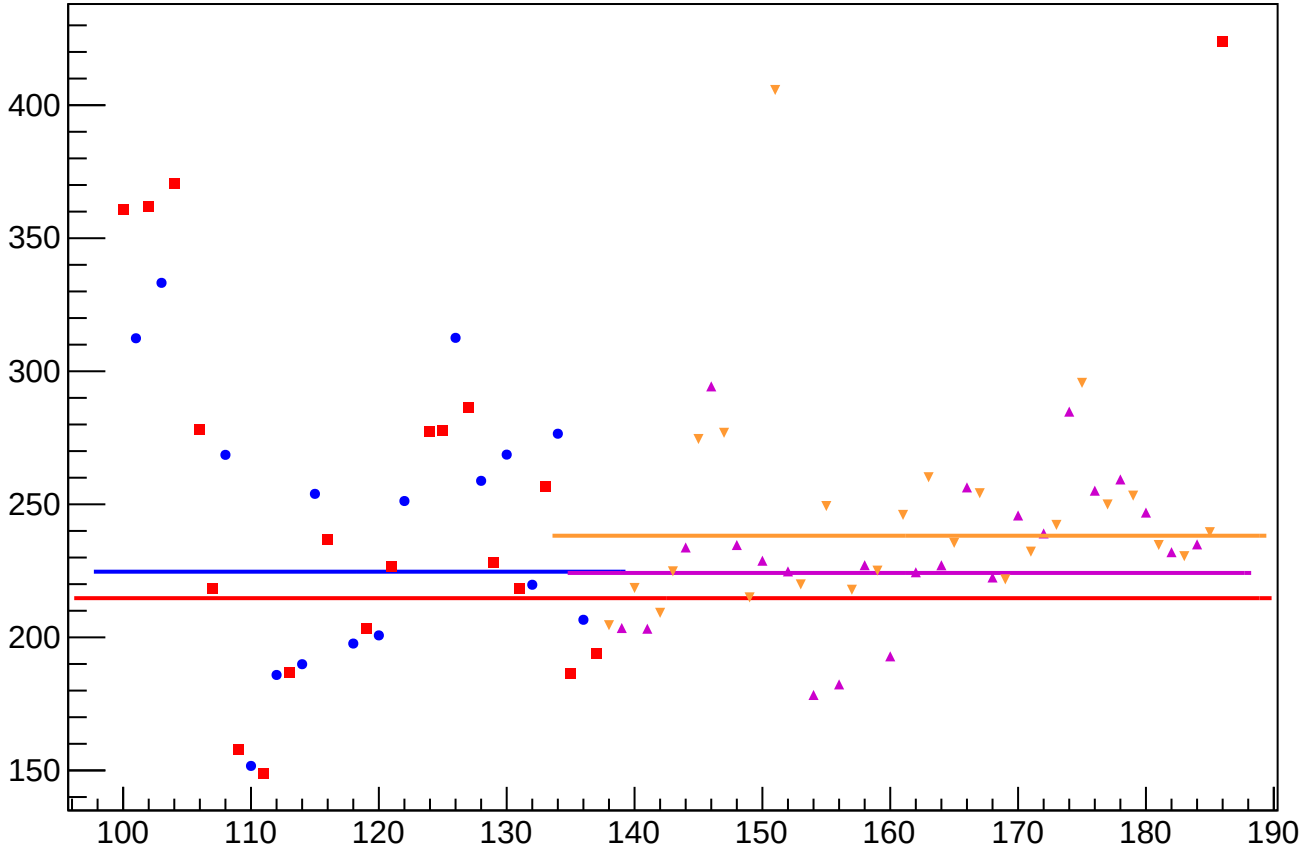
Right: -610.182+/-58.926 χ^2/NDF: 1415.6/35

In: -412.437+/-45.545 χ^2/NDF:2110.4/38

Out: 13.728+/-45.380 χ^2/NDF:2648.1/44

All: -198.583+/-32.147 χ^2/NDF: 4802.5/83

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

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

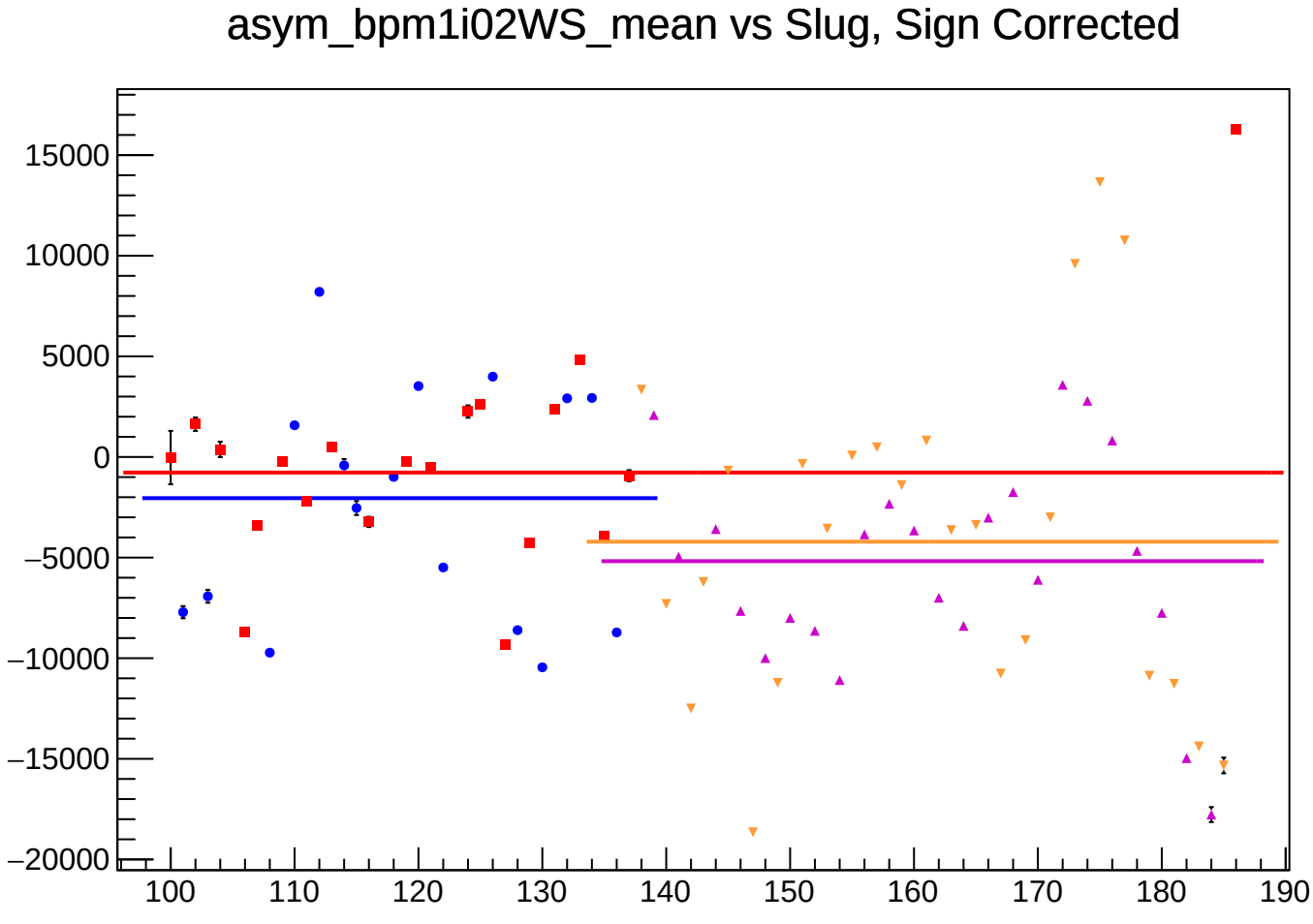
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 219.331+/-0.042 χ^2/NDF: 1803487.2/35

In: 224.342+/-0.032 χ^2/NDF:1216467.2/38

Out: 230.713+/-0.032 χ^2/NDF:1820240.4/44

All: 227.539+/-0.023 χ^2/NDF: 3056346.8/83



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

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

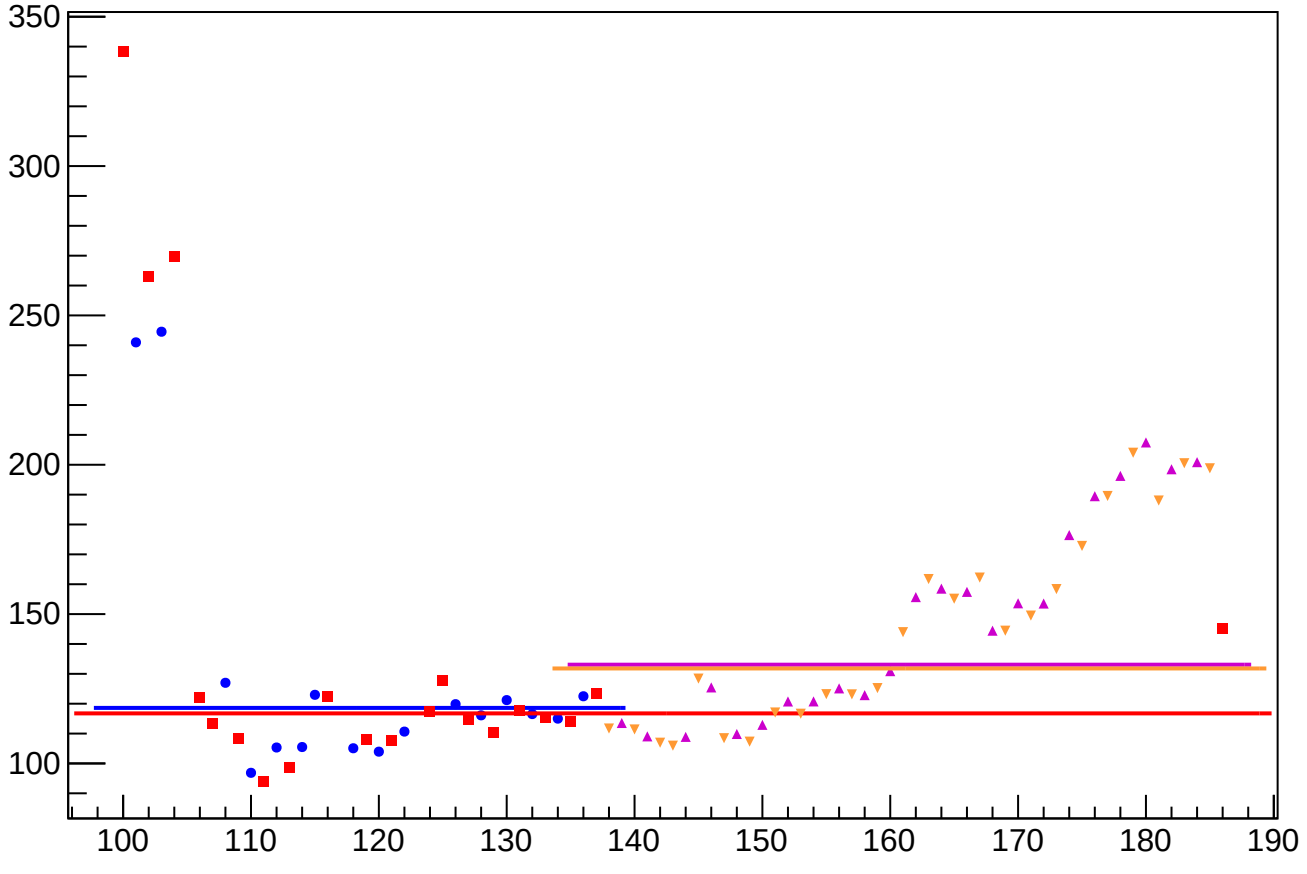
Right: -1371.364+/-31.989 χ^2/NDF: 29318.8/35

In: -4179.781+/-26.384 χ^2/NDF:38309.0/38

Out: -3075.566+/-25.227 χ^2/NDF:73121.6/44

All: -3602.935+/-18.234 χ^2/NDF: 112345.6/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

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

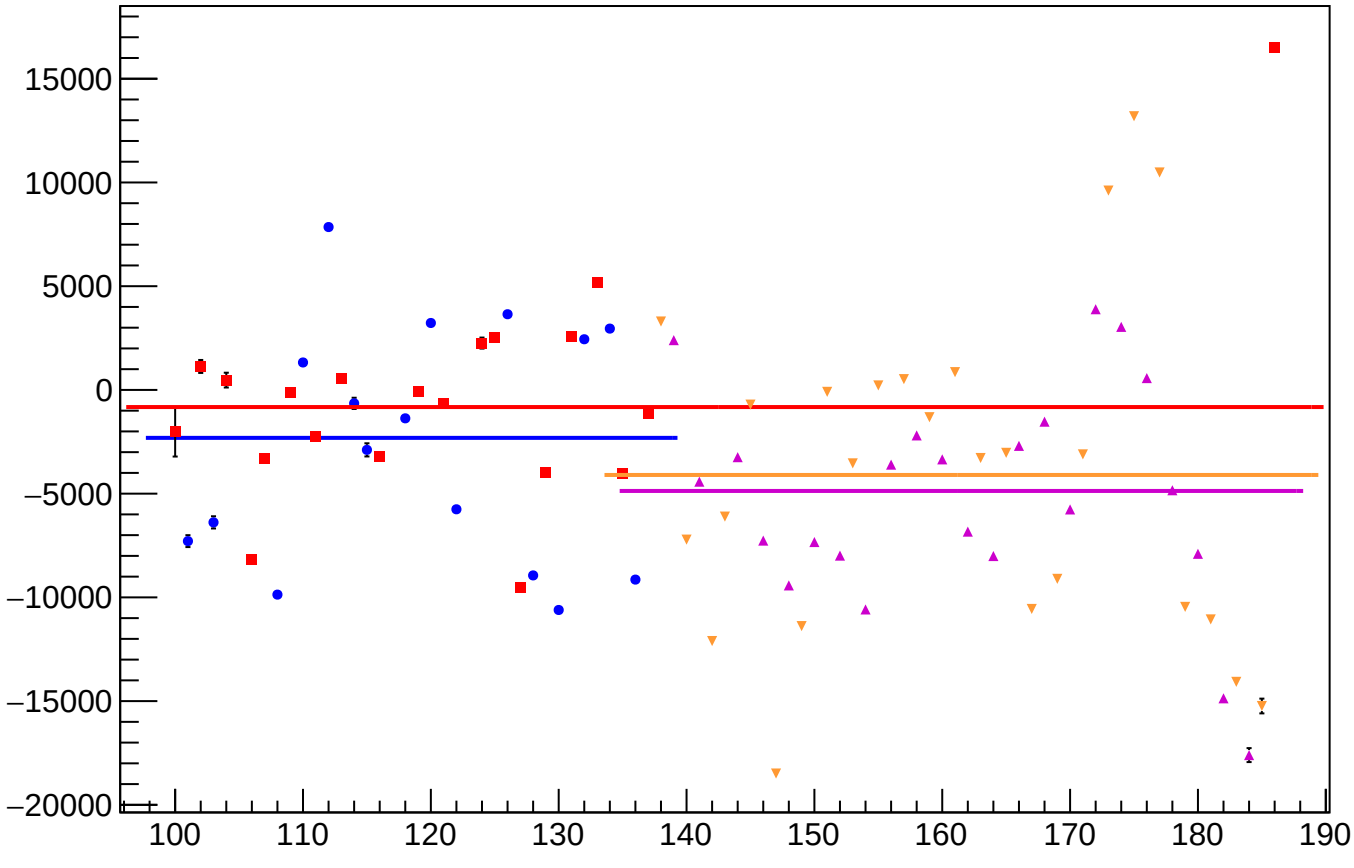
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 117.619+/-0.023 χ^2/NDF: 1632456.2/35

In: 128.448+/-0.019 χ^2/NDF:2282988.8/38

Out: 126.829+/-0.018 χ^2/NDF:2598255.3/44

All: 127.602+/-0.013 χ^2/NDF: 4885180.8/83



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

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

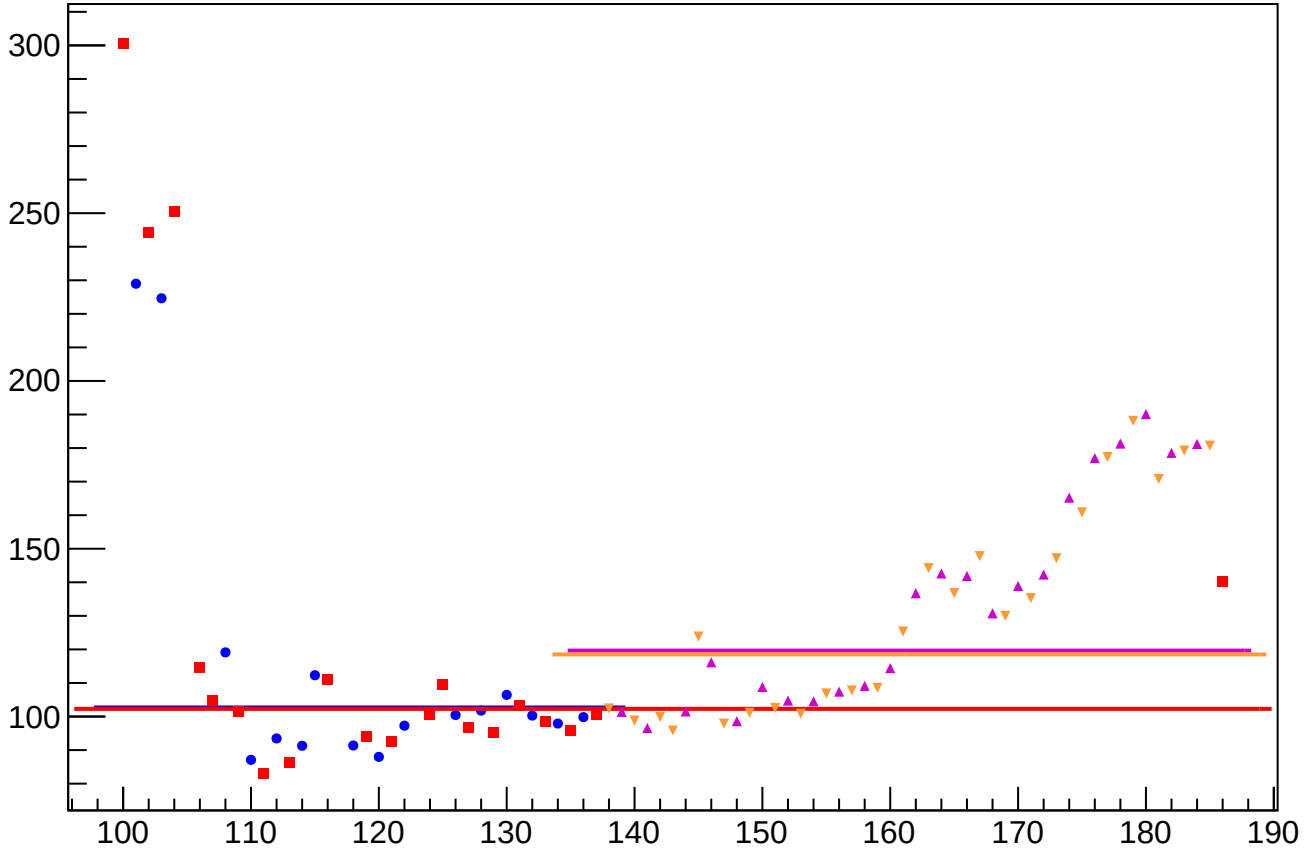
Right: -1530.586+/-28.066 χ^2/NDF: 37393.2/35

In: -4016.480+/-23.521 χ^2/NDF:46224.1/38

Out: -2987.221+/-22.568 χ^2/NDF:86005.1/44

All: -3480.582+/-16.284 χ^2/NDF: 133226.2/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

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

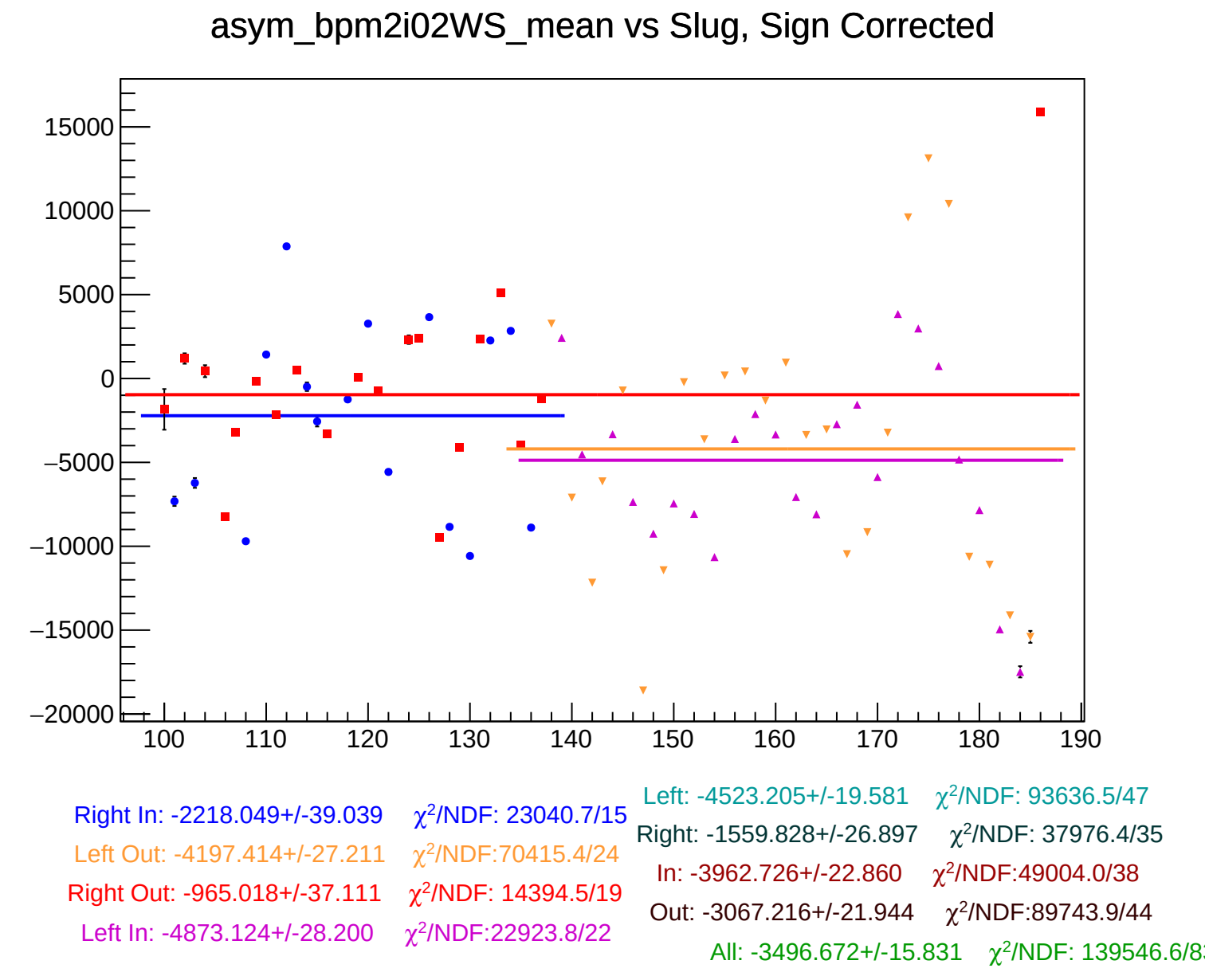
Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

Right: 102.476+/-0.020 χ^2/NDF: 1817858.2/35

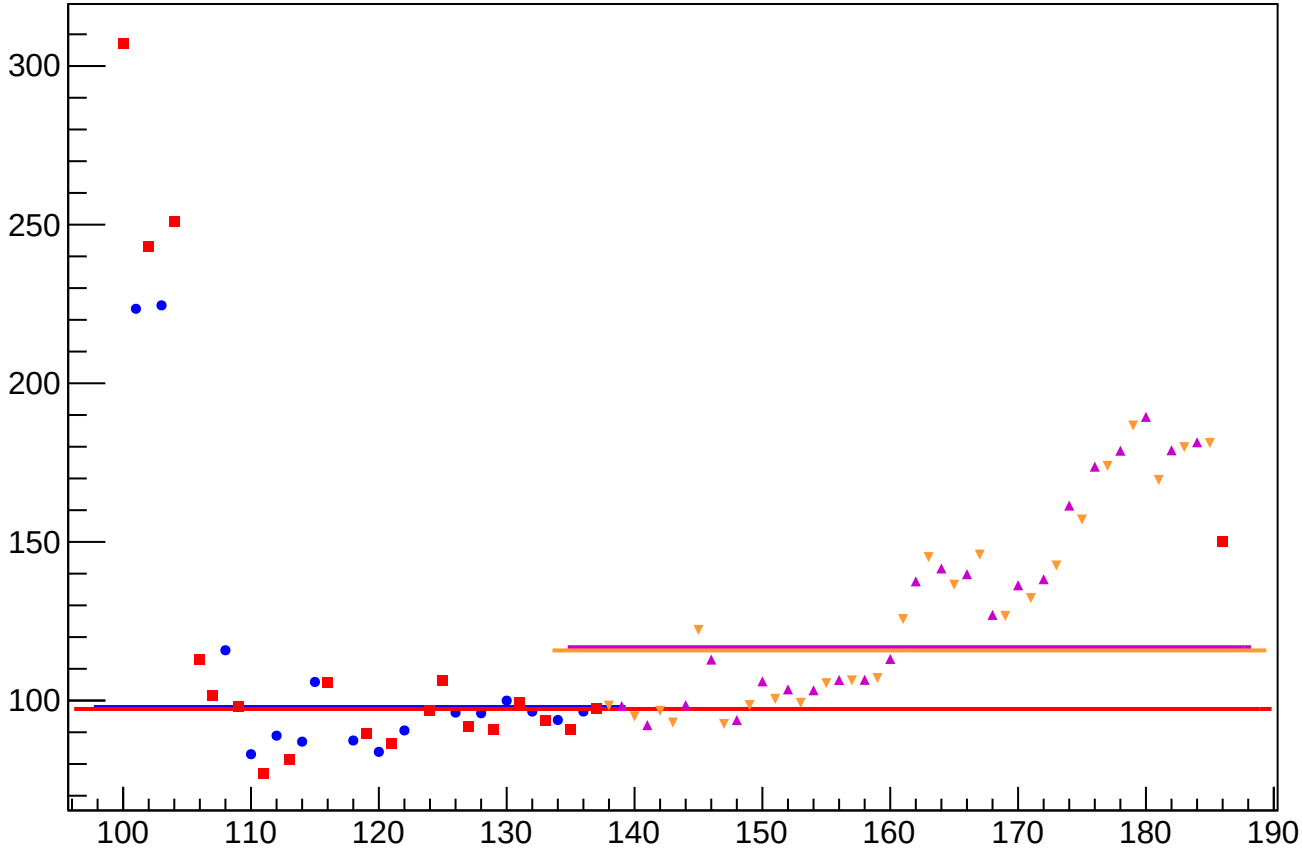
In: 113.993+/-0.017 χ^2/NDF:2569047.9/38

Out: 112.992+/-0.016 χ^2/NDF:2850848.6/44

All: 113.472+/-0.012 χ^2/NDF: 5421781.8/83


asym_bpm2i02WS_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: -2218.049+/-39.039 χ²/NDF: 23040.7/15
Left Out: -4197.414+/-27.211 χ²/NDF:70415.4/24
Right Out: -965.018+/-37.111 χ²/NDF: 14394.5/19
Left In: -4873.124+/-28.200 χ²/NDF:22923.8/22
Left: -4523.205+/-19.581 χ²/NDF: 93636.5/47
Right: -1559.828+/-26.897 χ²/NDF: 37976.4/35
In: -3962.726+/-22.860 χ²/NDF:49004.0/38
Out: -3067.216+/-21.944 χ²/NDF:89743.9/44
All: -3496.672+/-15.831 χ²/NDF: 139546.6/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

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

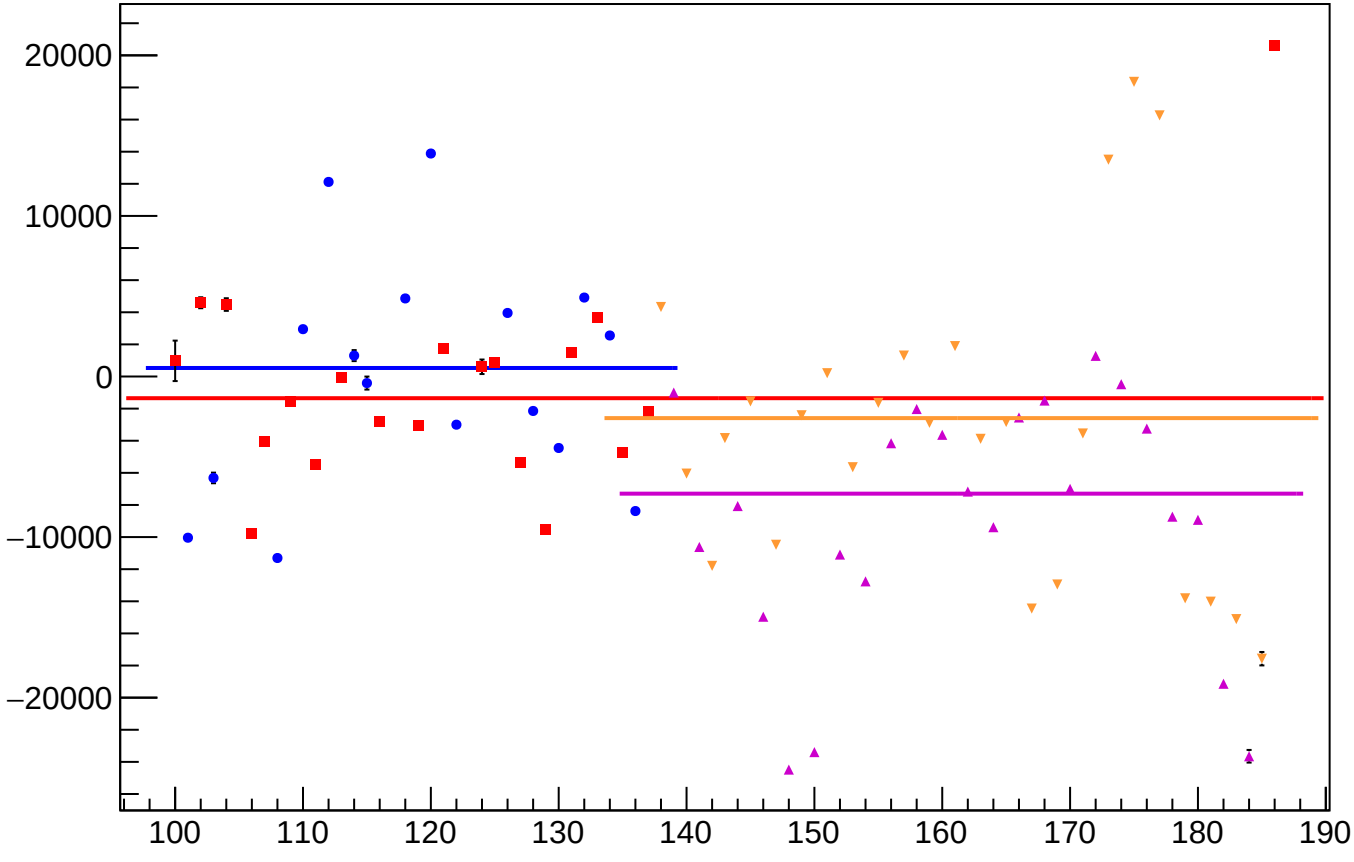
Right: 97.630+/-0.019 χ^2/NDF: 1983376.7/35

In: 110.340+/-0.016 χ^2/NDF:2792684.8/38

Out: 109.346+/-0.016 χ^2/NDF:3185568.8/44

All: 109.823+/-0.011 χ^2/NDF: 5980220.3/83

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

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

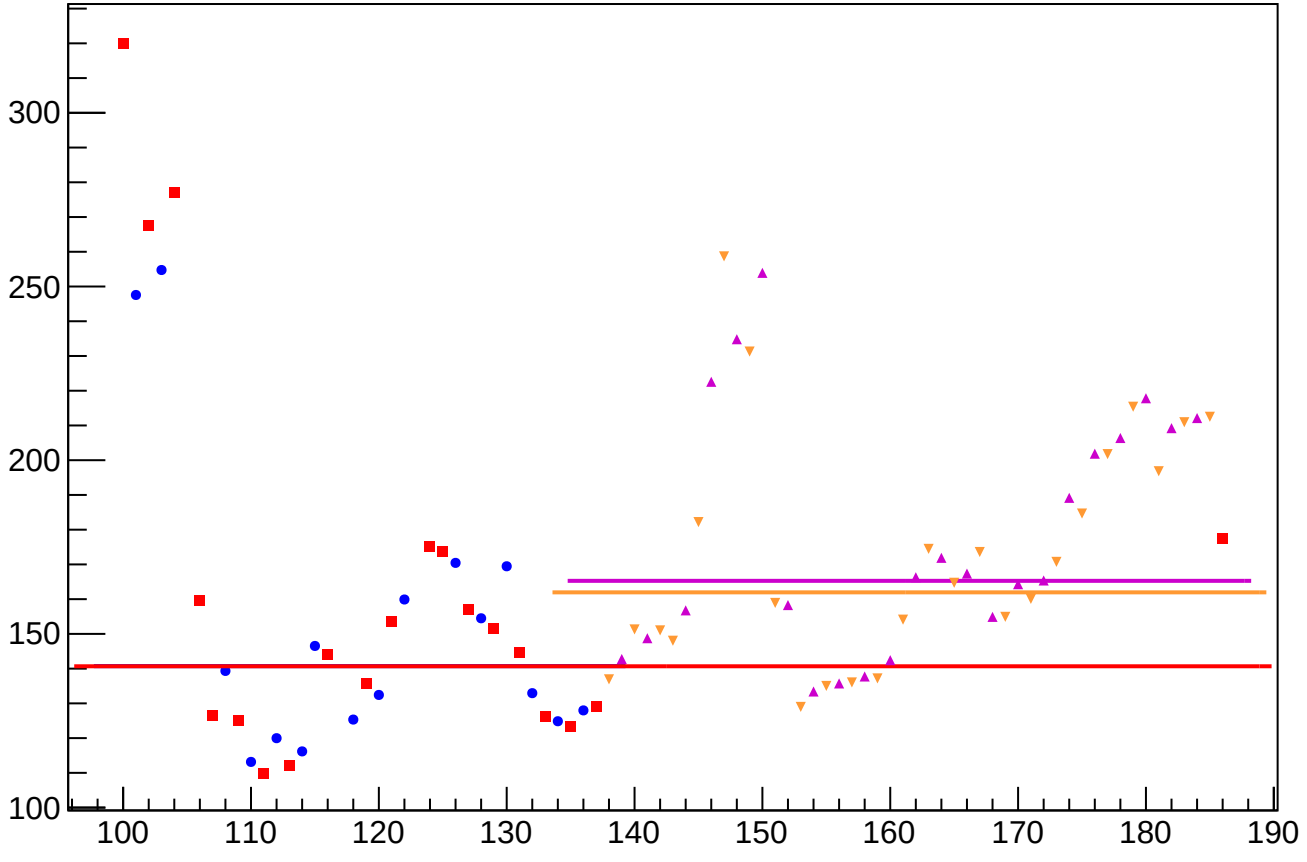
Right: -451.550+/-37.926 χ^2/NDF: 30663.5/35

In: -4616.894+/-32.095 χ^2/NDF:56719.9/38

Out: -2170.162+/-30.591 χ^2/NDF:59825.2/44

All: -3334.873+/-22.144 χ^2/NDF: 119590.3/8

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

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

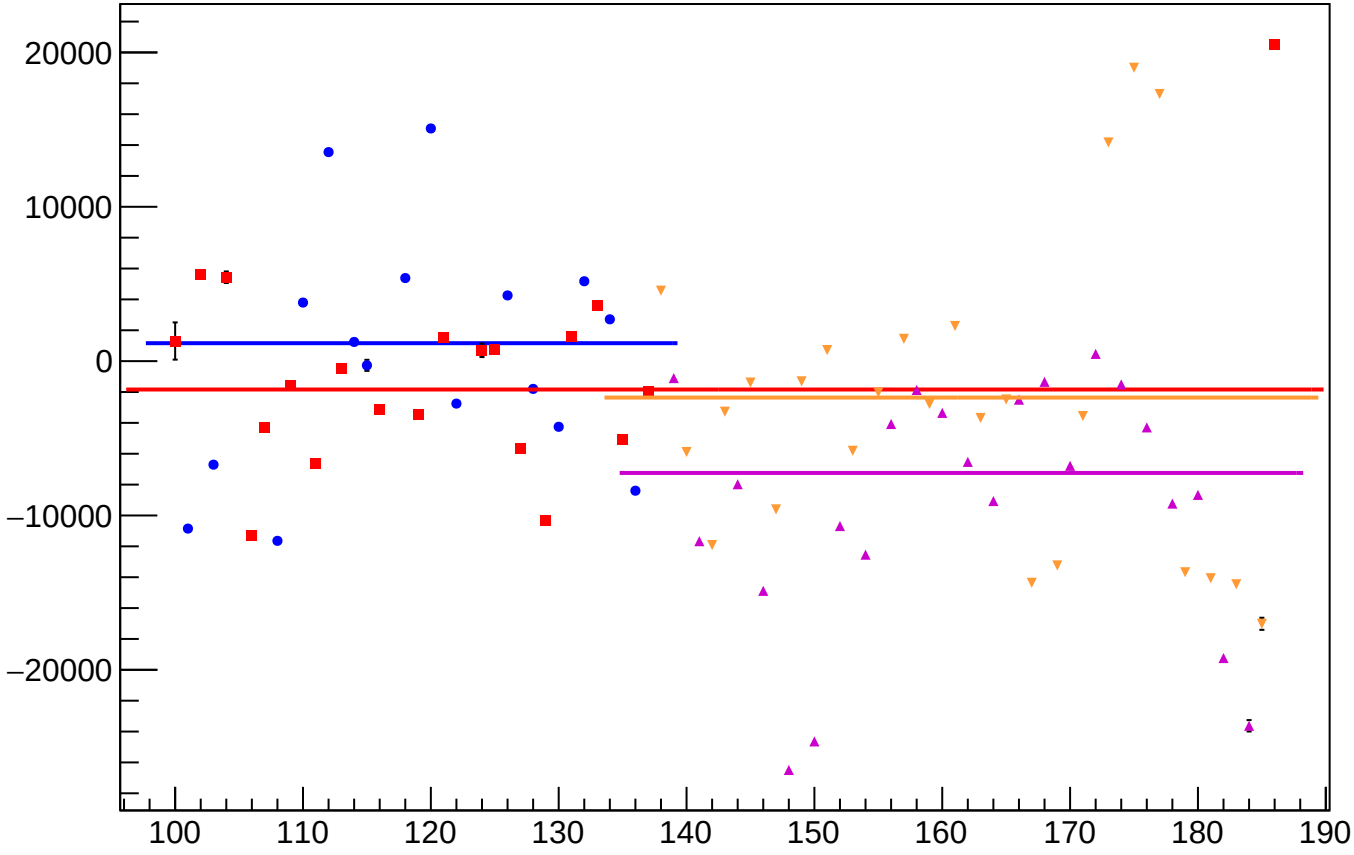
Right: 140.696+/-0.027 χ^2/NDF: 1514262.9/35

In: 156.866+/-0.023 χ^2/NDF:2118326.4/38

Out: 154.731+/-0.022 χ^2/NDF:2200469.1/44

All: 155.747+/-0.016 χ^2/NDF: 4323432.6/83

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -1838.042+/-43.534 χ^2/NDF: 16933.1/19

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

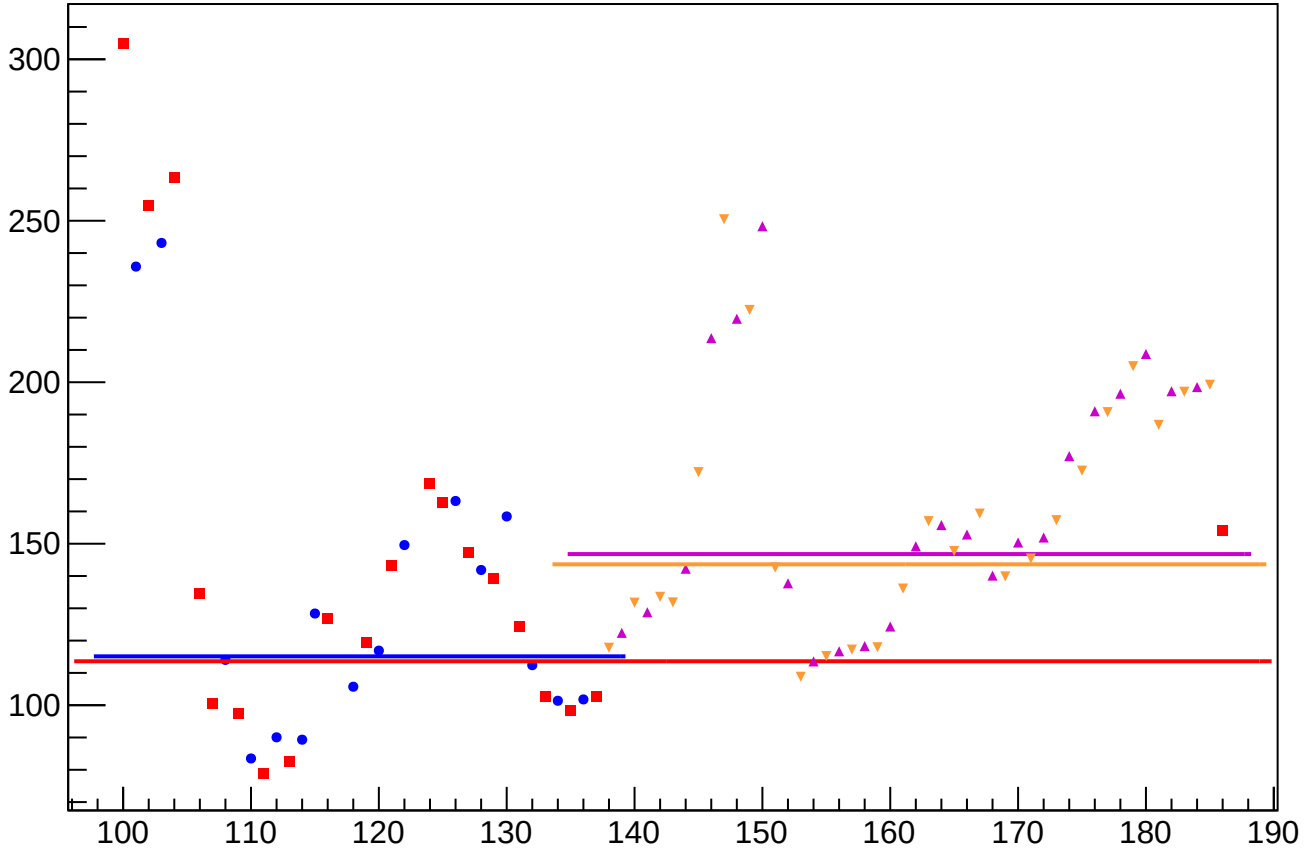
Right: -417.867+/-31.596 χ^2/NDF: 49936.3/35

In: -4099.630+/-28.092 χ^2/NDF:82176.5/38

Out: -2165.032+/-26.639 χ^2/NDF:75589.7/44

All: -3081.004+/-19.330 χ^2/NDF: 160263.3/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

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

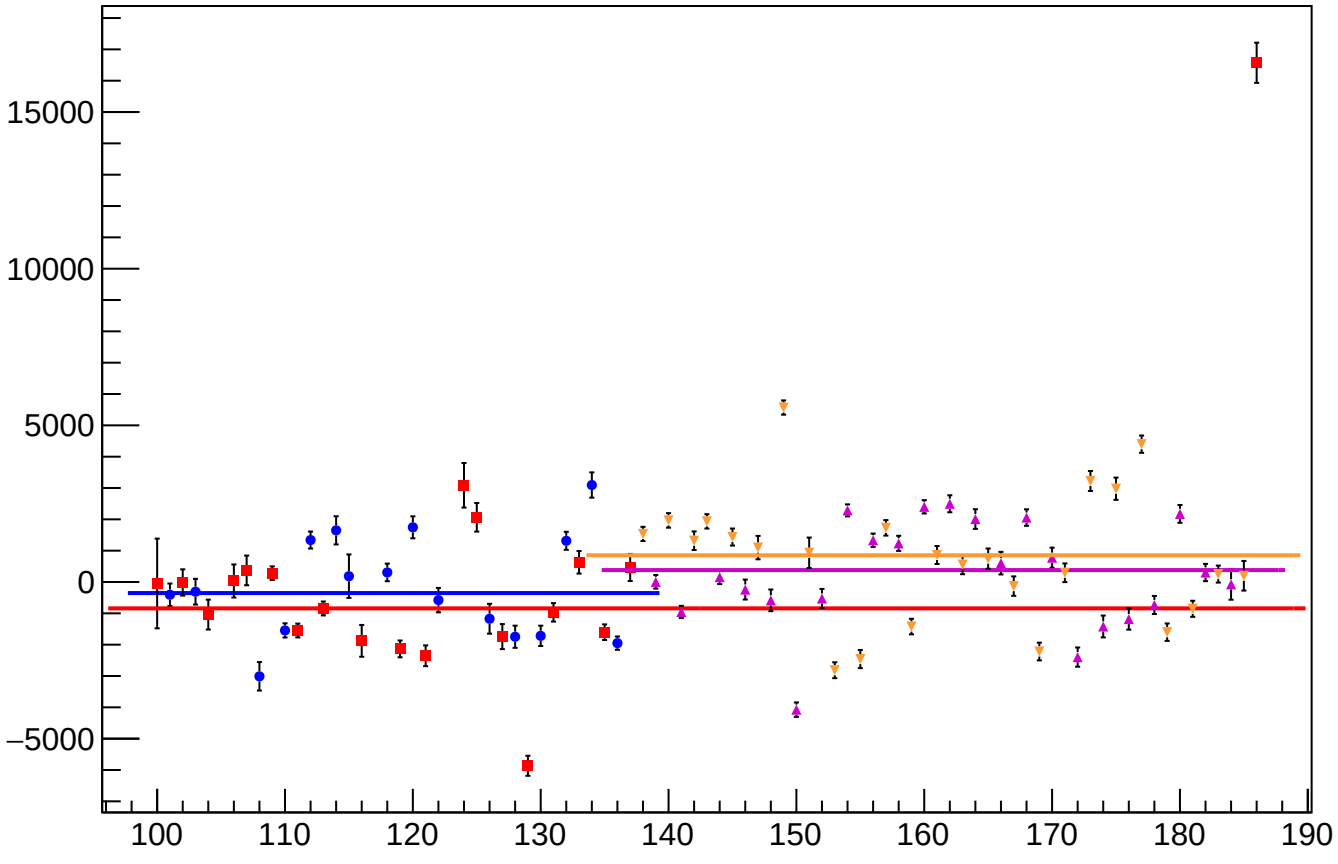
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 114.321+/-0.022 χ^2/NDF: 2500404.3/35

In: 134.947+/-0.020 χ^2/NDF:3402617.3/38

Out: 132.380+/-0.019 χ^2/NDF:3644155.7/44

All: 133.596+/-0.014 χ^2/NDF: 7055563.8/83



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

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

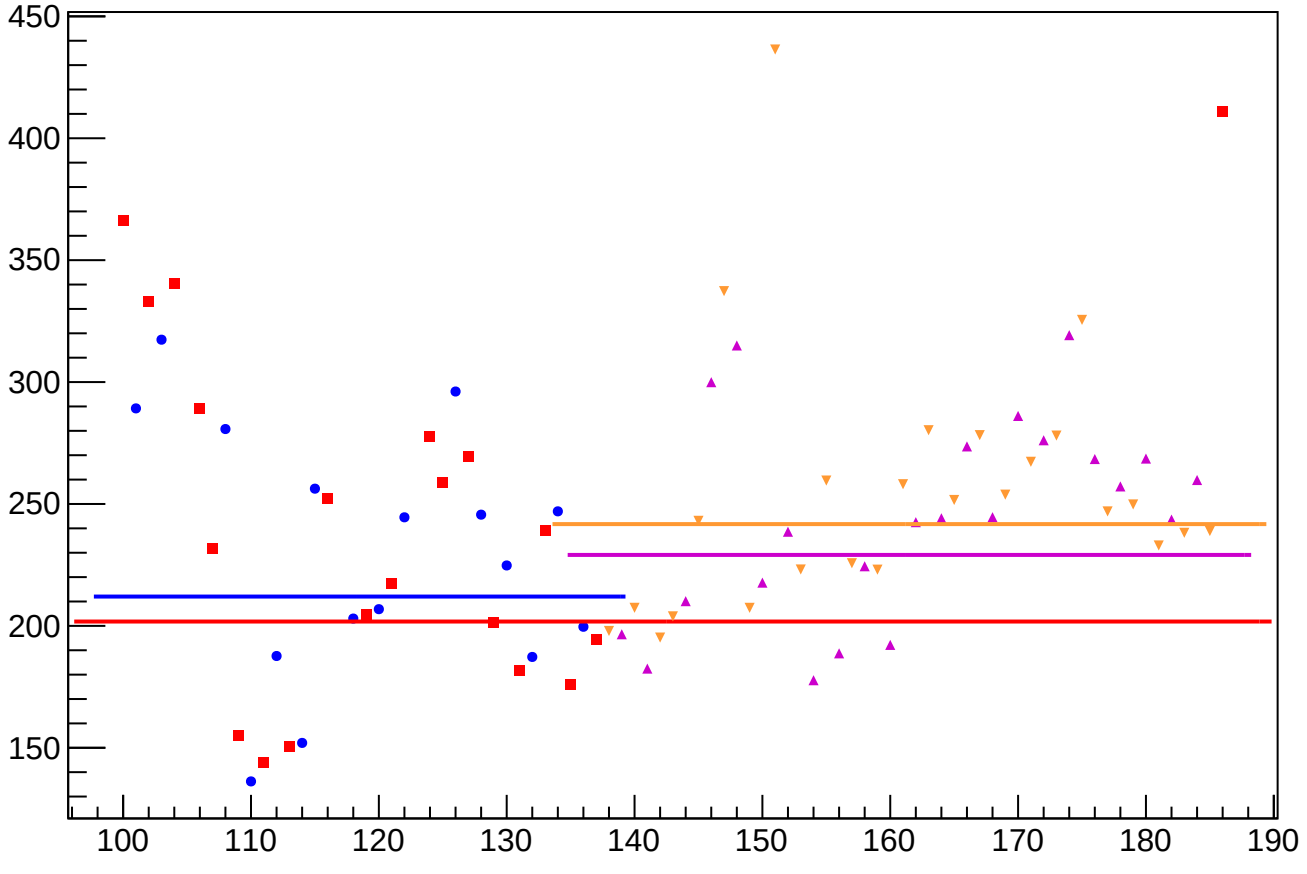
Right: -616.413+/-55.746 χ^2/NDF: 1576.0/35

In: 152.863+/-45.778 χ^2/NDF:1399.3/38

Out: 253.184+/-45.187 χ^2/NDF:2960.9/44

All: 203.675+/-32.159 χ^2/NDF: 4362.6/83

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

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

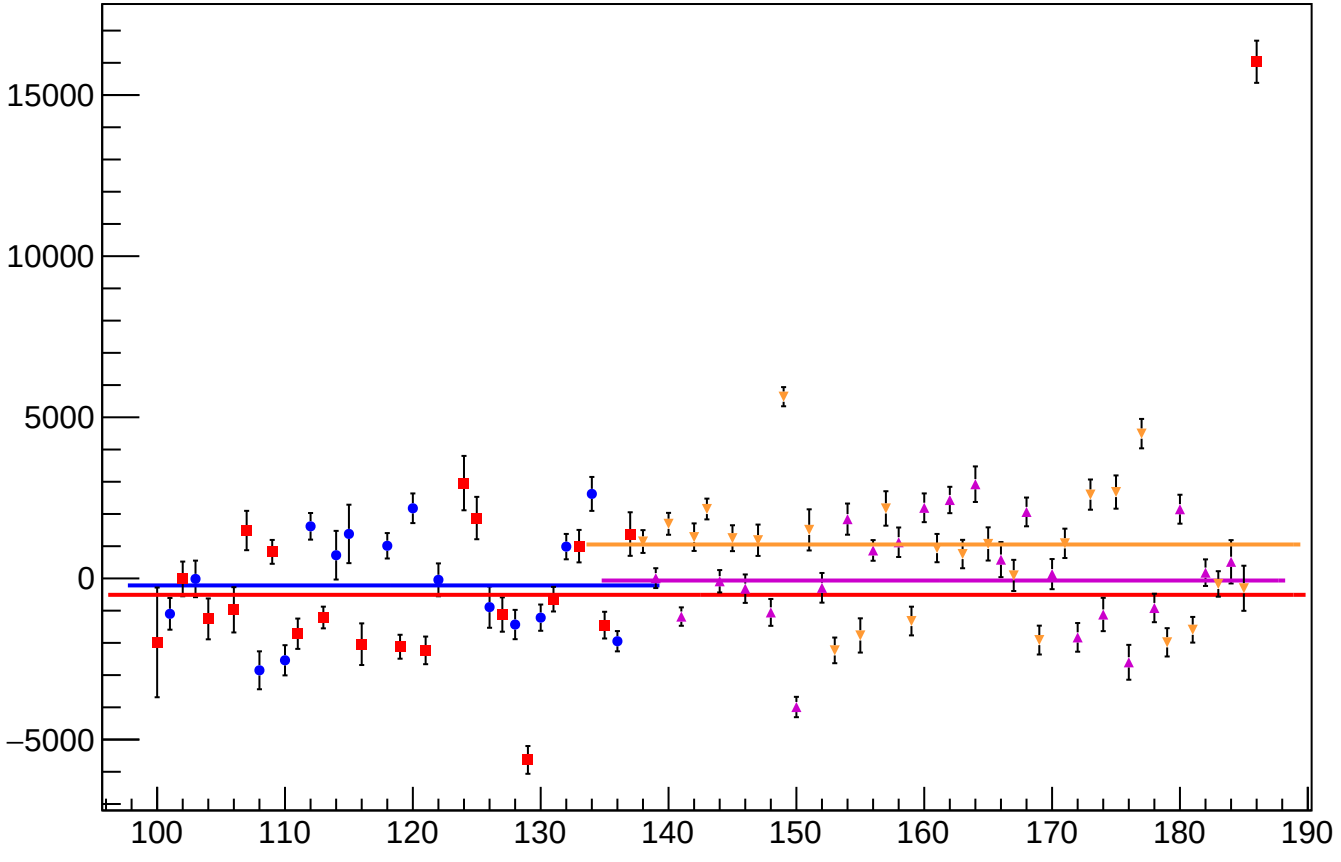
Right: 206.503+/-0.039 χ^2/NDF: 1898230.0/35

In: 223.799+/-0.032 χ^2/NDF:1818909.9/38

Out: 227.585+/-0.032 χ^2/NDF:2535368.3/44

All: 225.716+/-0.023 χ^2/NDF: 4361205.3/83

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

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

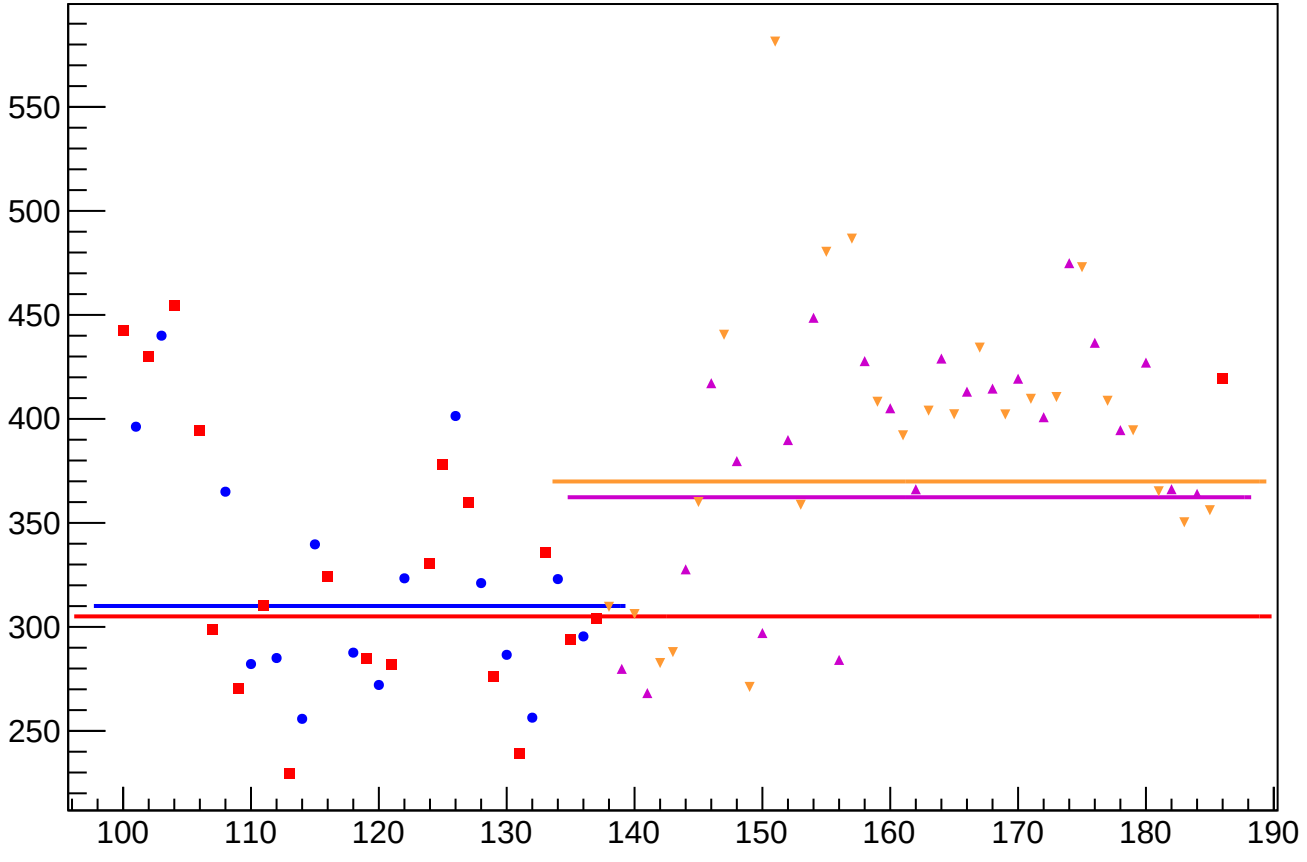
Right: -371.113+/-80.990 χ^2/NDF: 1107.7/35

In: -118.075+/-69.824 χ^2/NDF:587.7/38

Out: 471.235+/-68.036 χ^2/NDF:1650.2/44

All: 184.221+/-48.728 χ^2/NDF: 2274.4/83

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

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

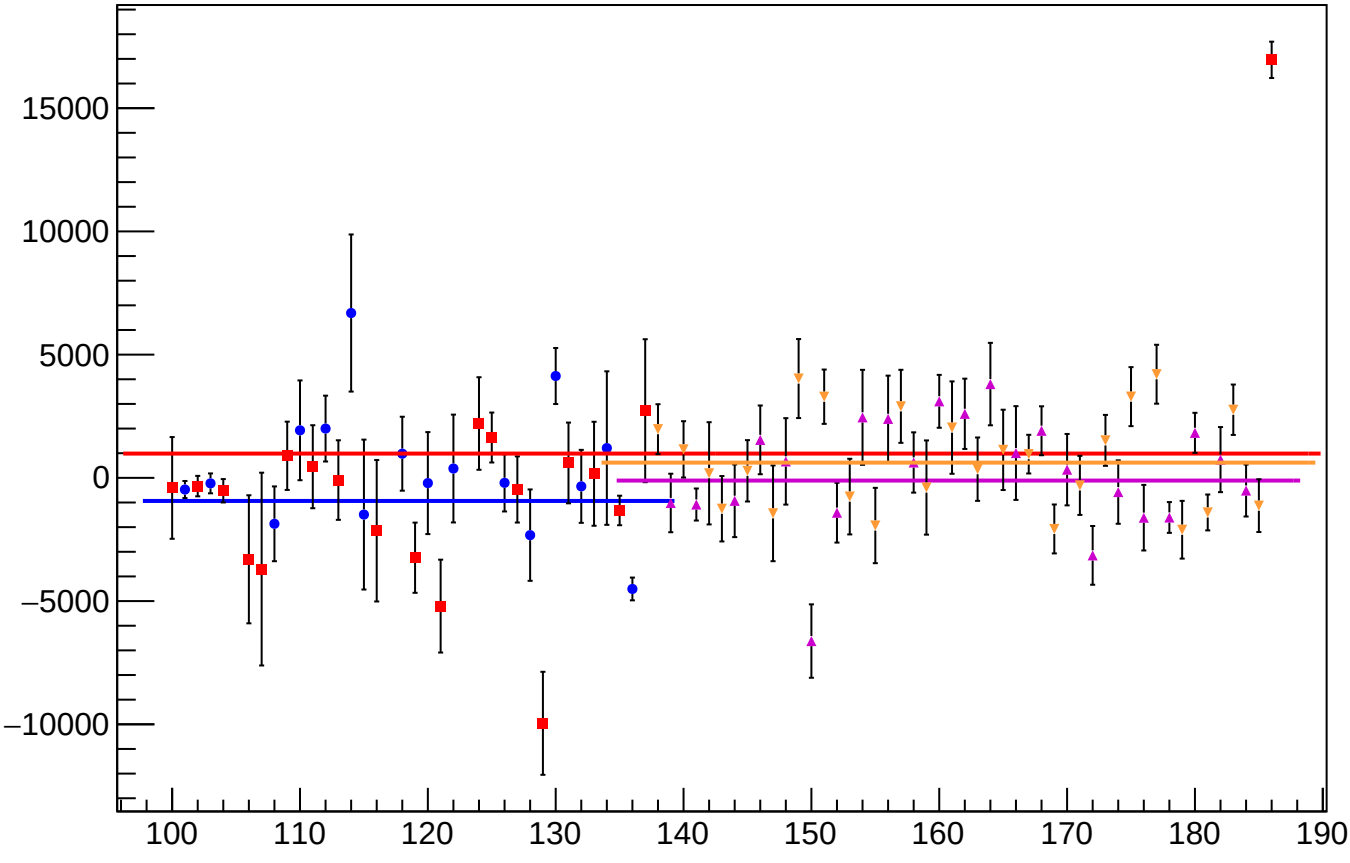
Right: 307.421+/-0.057 χ^2/NDF: 908219.7/35

In: 344.001+/-0.049 χ^2/NDF:1632022.4/38

Out: 345.755+/-0.048 χ^2/NDF:2238293.7/44

All: 344.901+/-0.034 χ^2/NDF: 3870963.3/83

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

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

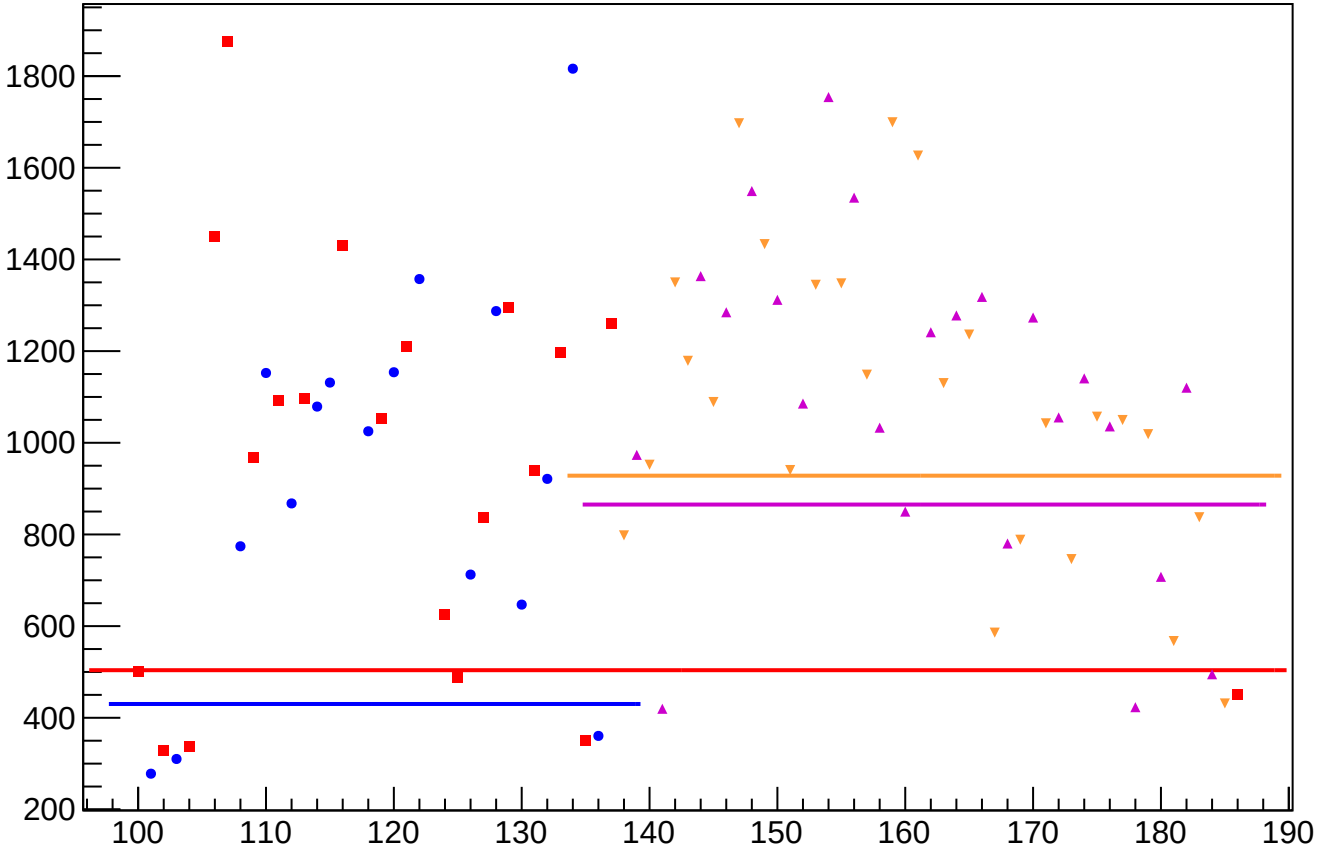
Right: -54.915+/-150.589 χ^2/NDF: 702.0/35

In: -584.797+/-155.153 χ^2/NDF:179.9/38

Out: 814.443+/-162.504 χ^2/NDF:627.4/44

All: 82.461+/-112.219 χ^2/NDF: 846.0/83

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

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

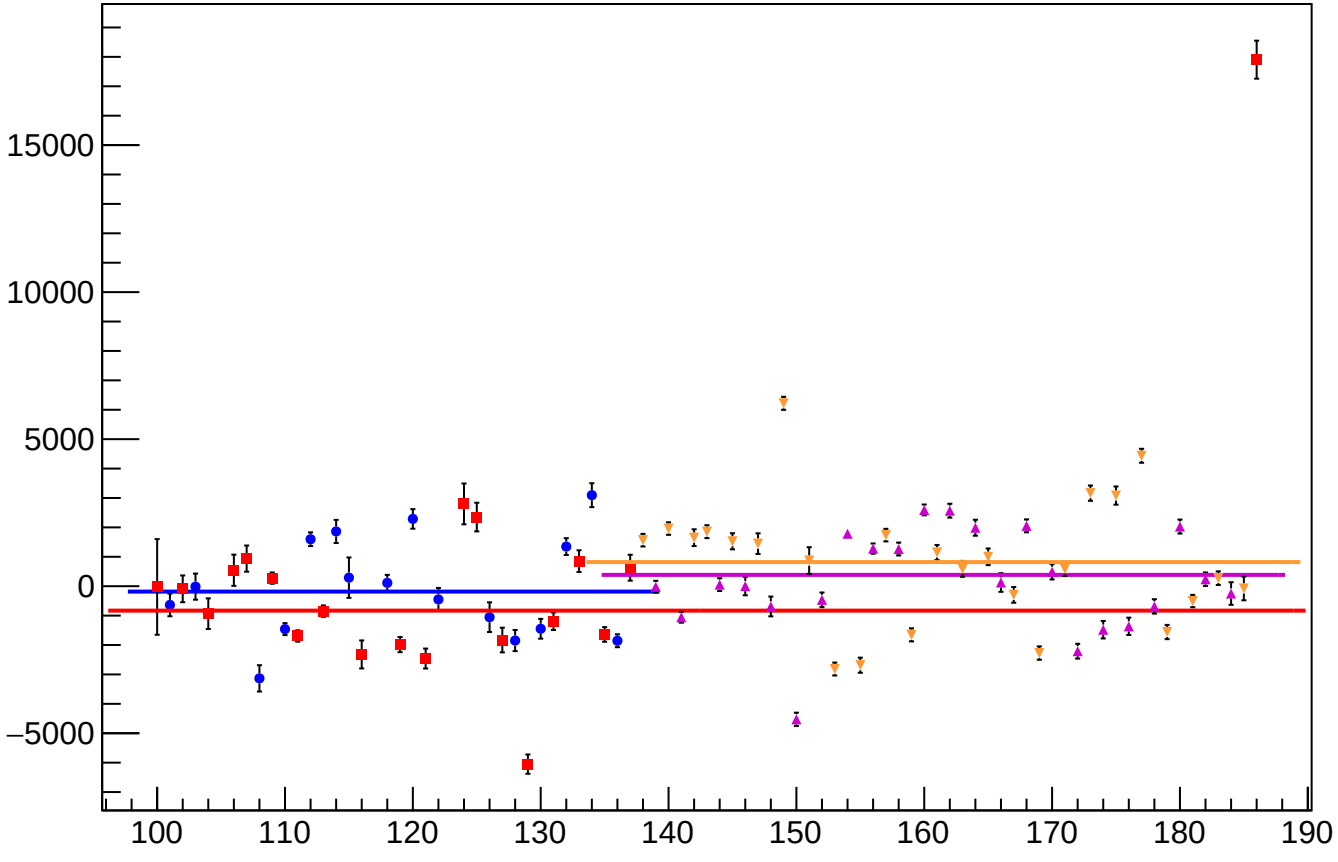
Right: 463.945+/-0.106 χ^2/NDF: 7326123.6/35

In: 615.293+/-0.110 χ^2/NDF:12159806.4/38

Out: 701.448+/-0.115 χ^2/NDF:10374077.2/44

All: 656.378+/-0.079 χ^2/NDF: 22827963.7/83

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

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

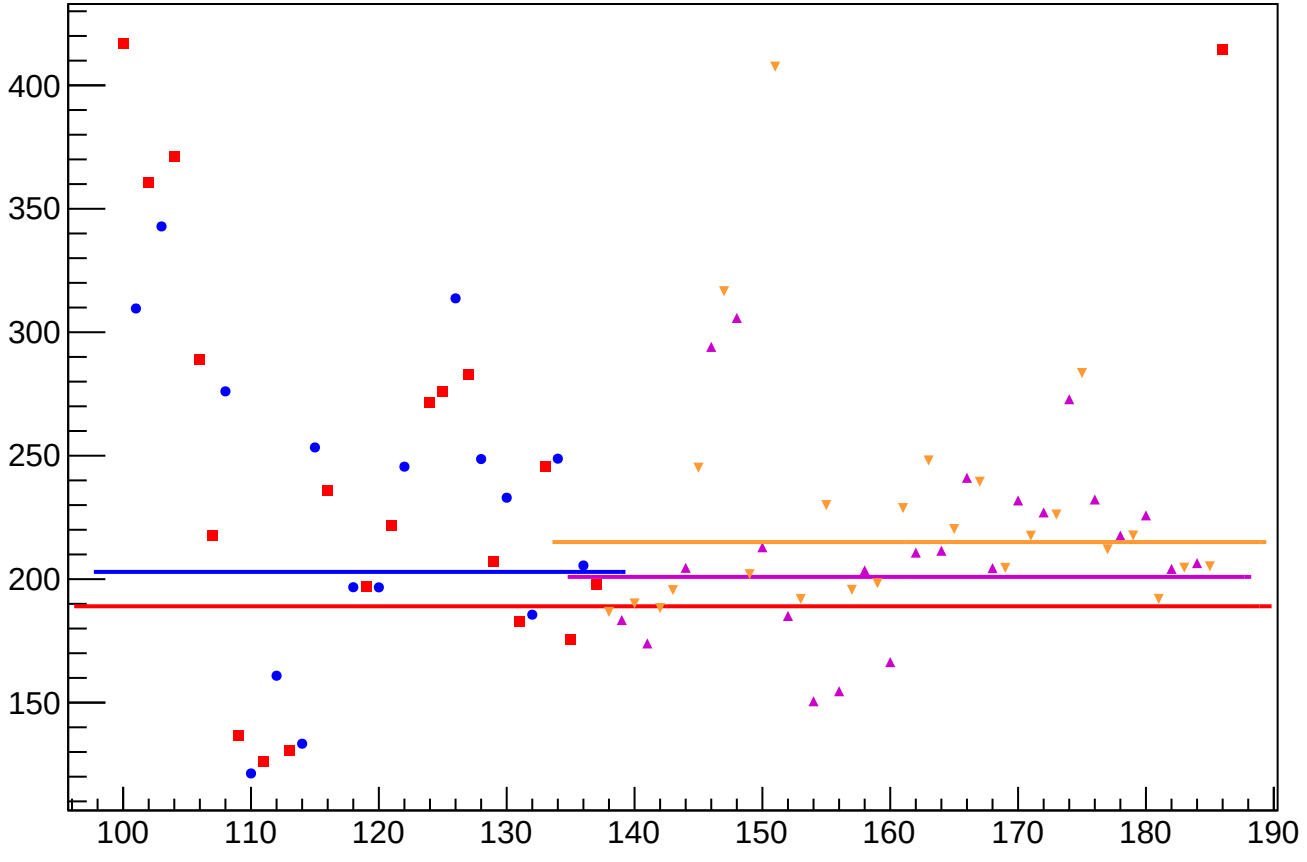
Right: -537.359+/-53.720 χ^2/NDF: 1797.5/35

In: 232.168+/-41.426 χ^2/NDF:1708.0/38

Out: 289.703+/-41.176 χ^2/NDF:3685.4/44

All: 261.109+/-29.204 χ^2/NDF: 5394.4/83

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

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

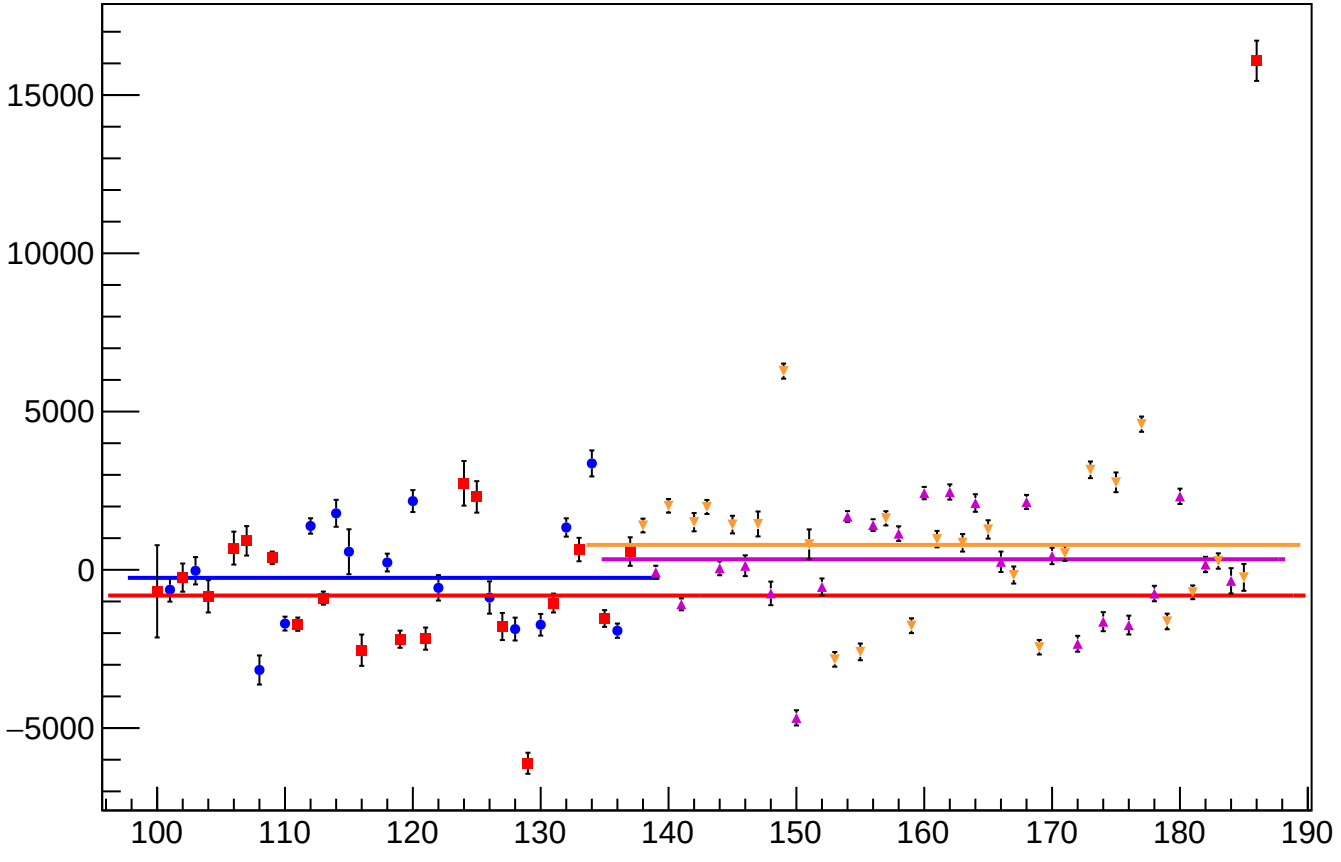
Right: 195.314+/-0.038 χ^2/NDF: 2833301.9/35

In: 201.462+/-0.029 χ^2/NDF:2178640.9/38

Out: 206.657+/-0.029 χ^2/NDF:2800130.7/44

All: 204.075+/-0.021 χ^2/NDF: 4994598.2/83

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

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

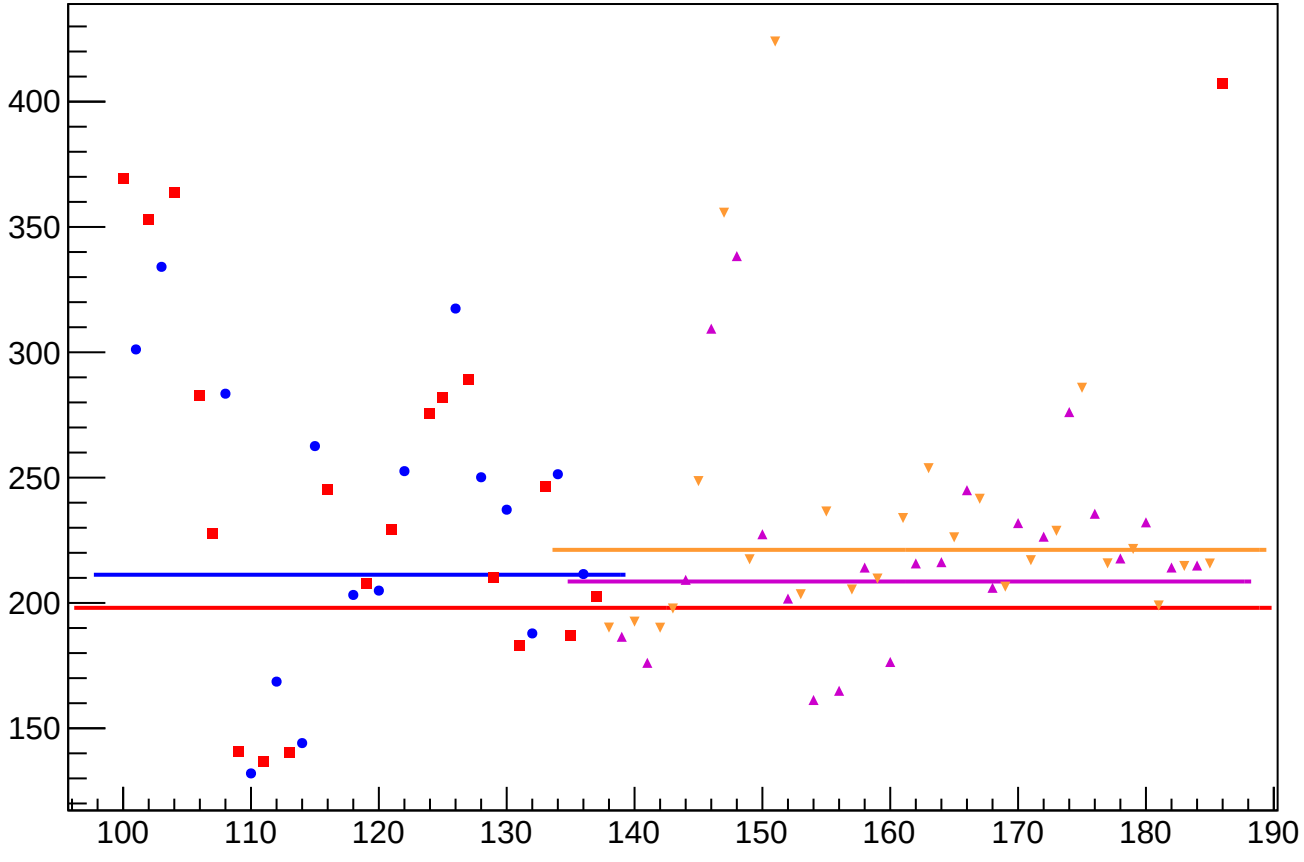
Right: -558.187+/-55.667 χ^2/NDF: 1629.1/35

In: 174.479+/-42.880 χ^2/NDF:1661.6/38

Out: 280.356+/-42.490 χ^2/NDF:3392.4/44

All: 227.901+/-30.182 χ^2/NDF: 5057.1/83

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

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

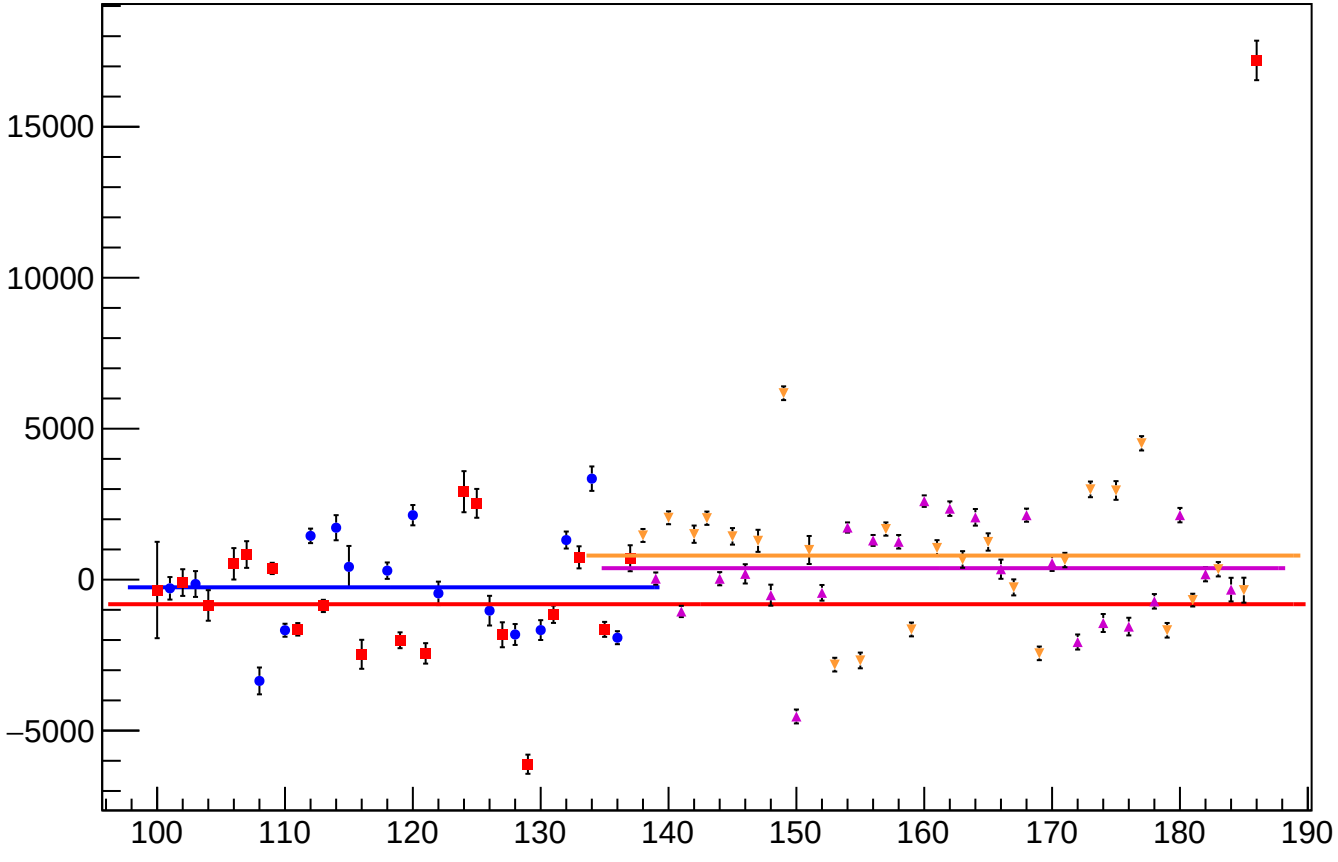
Right: 204.063+/-0.039 χ^2/NDF: 2416877.9/35

In: 209.285+/-0.030 χ^2/NDF:1921562.3/38

Out: 213.845+/-0.030 χ^2/NDF:2572563.4/44

All: 211.586+/-0.021 χ^2/NDF: 4505537.3/83

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

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

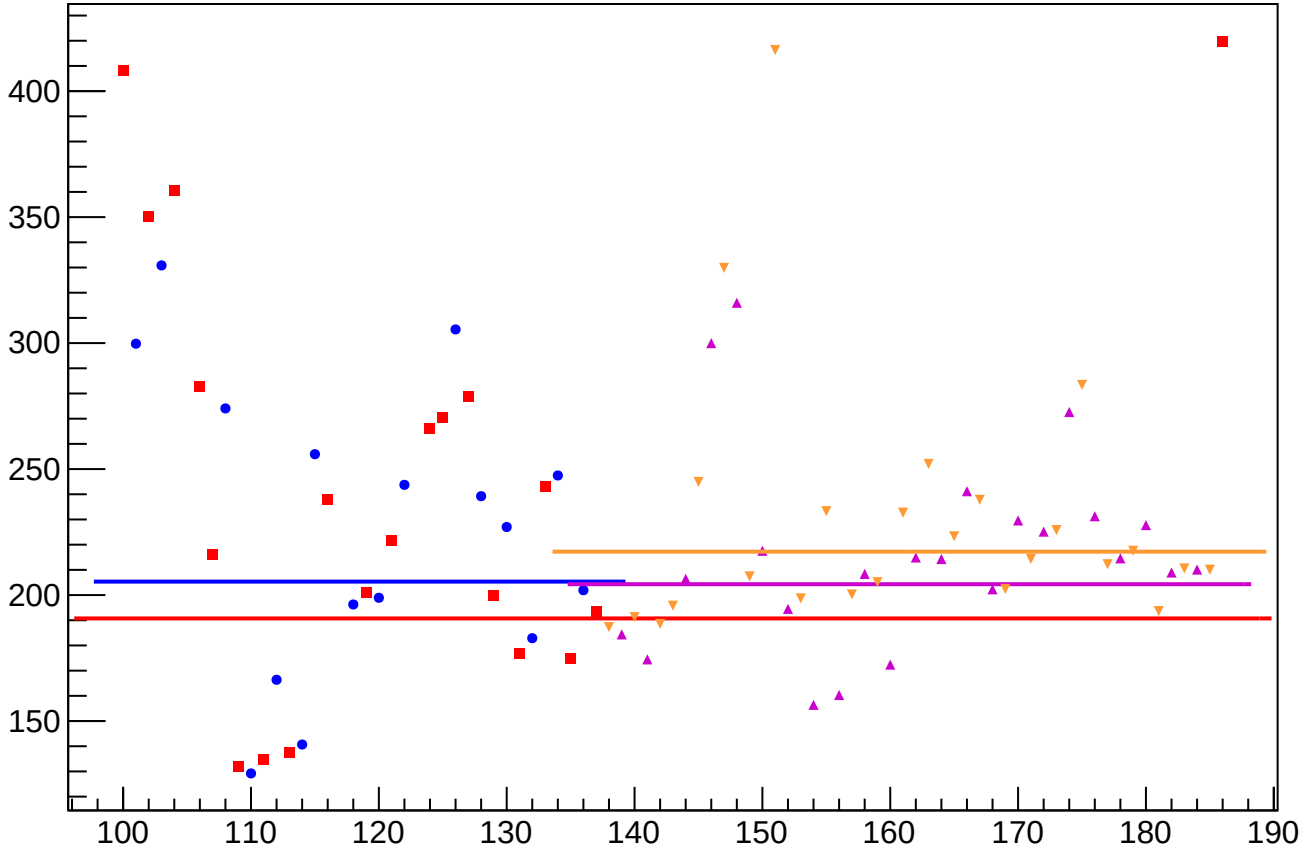
Right: -560.694+/-53.954 χ^2/NDF: 1759.3/35

In: 206.478+/-41.930 χ^2/NDF:1678.6/38

Out: 275.069+/-41.511 χ^2/NDF:3591.5/44

All: 241.119+/-29.500 χ^2/NDF: 5271.5/83

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

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

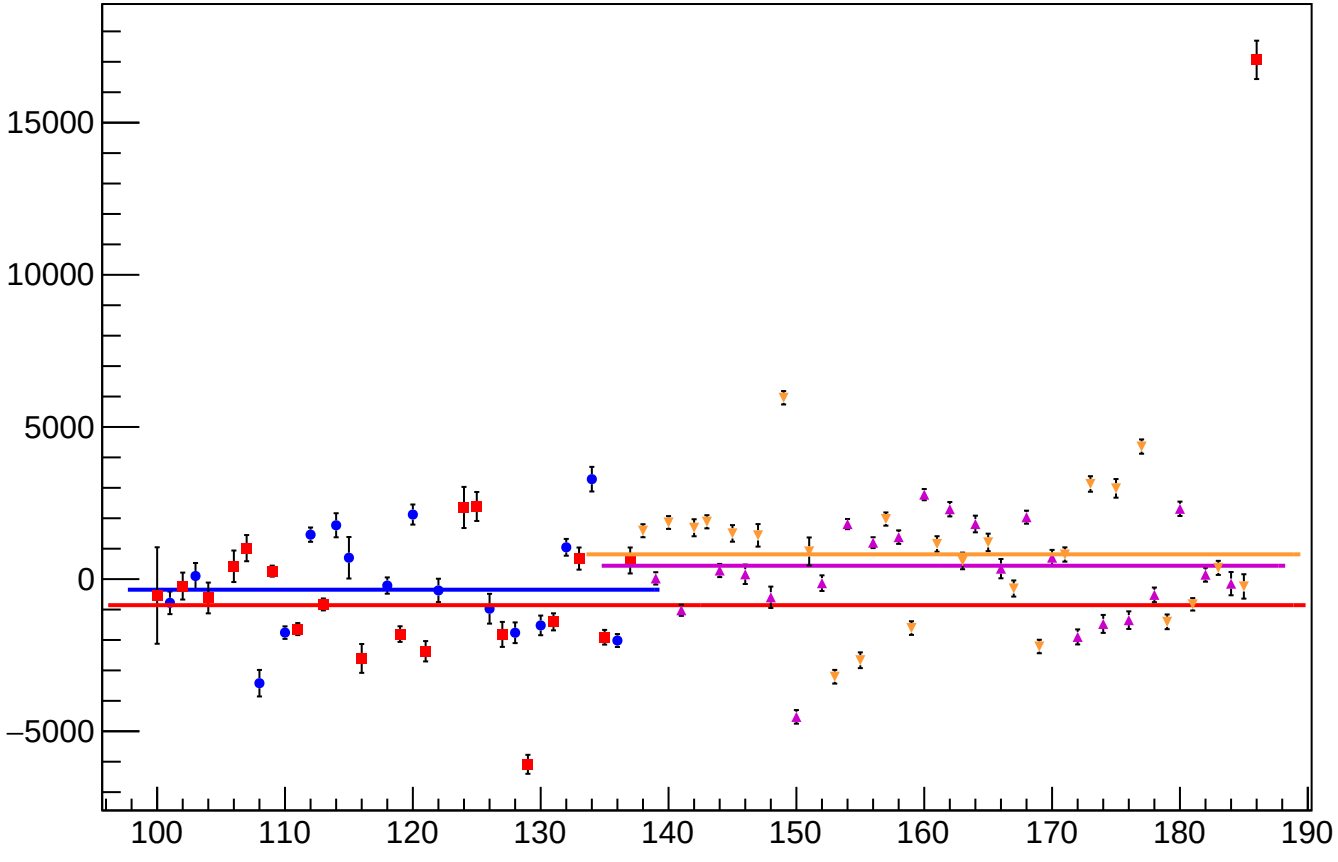
Right: 197.336+/-0.038 χ^2/NDF: 2498493.5/35

In: 204.590+/-0.030 χ^2/NDF:1892688.7/38

Out: 208.634+/-0.029 χ^2/NDF:2673747.7/44

All: 206.632+/-0.021 χ^2/NDF: 4575828.4/83

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

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

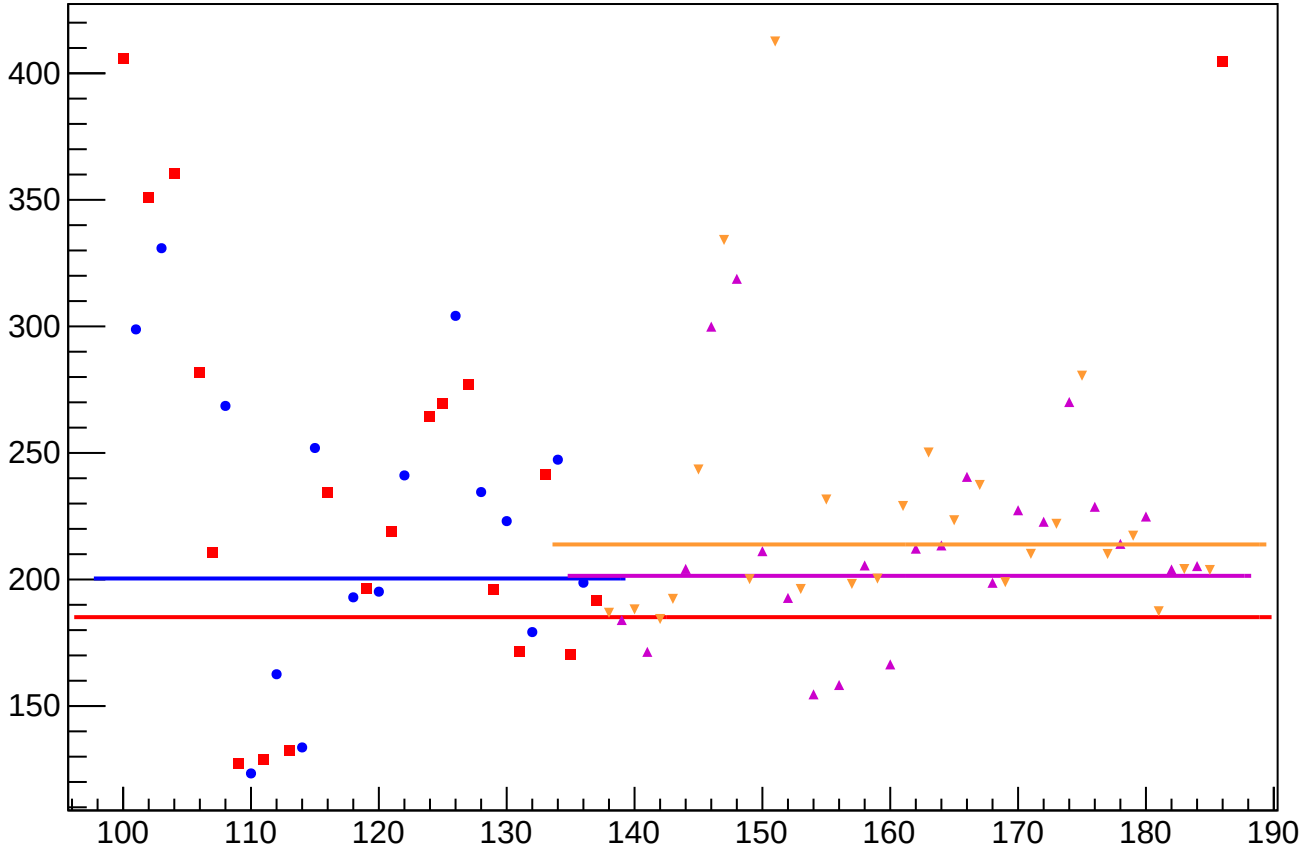
Right: -627.229+/-52.711 χ^2/NDF: 1813.7/35

In: 222.200+/-41.292 χ^2/NDF:1753.4/38

Out: 264.943+/-40.764 χ^2/NDF:3715.9/44

All: 243.846+/-29.009 χ^2/NDF: 5469.9/83

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

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

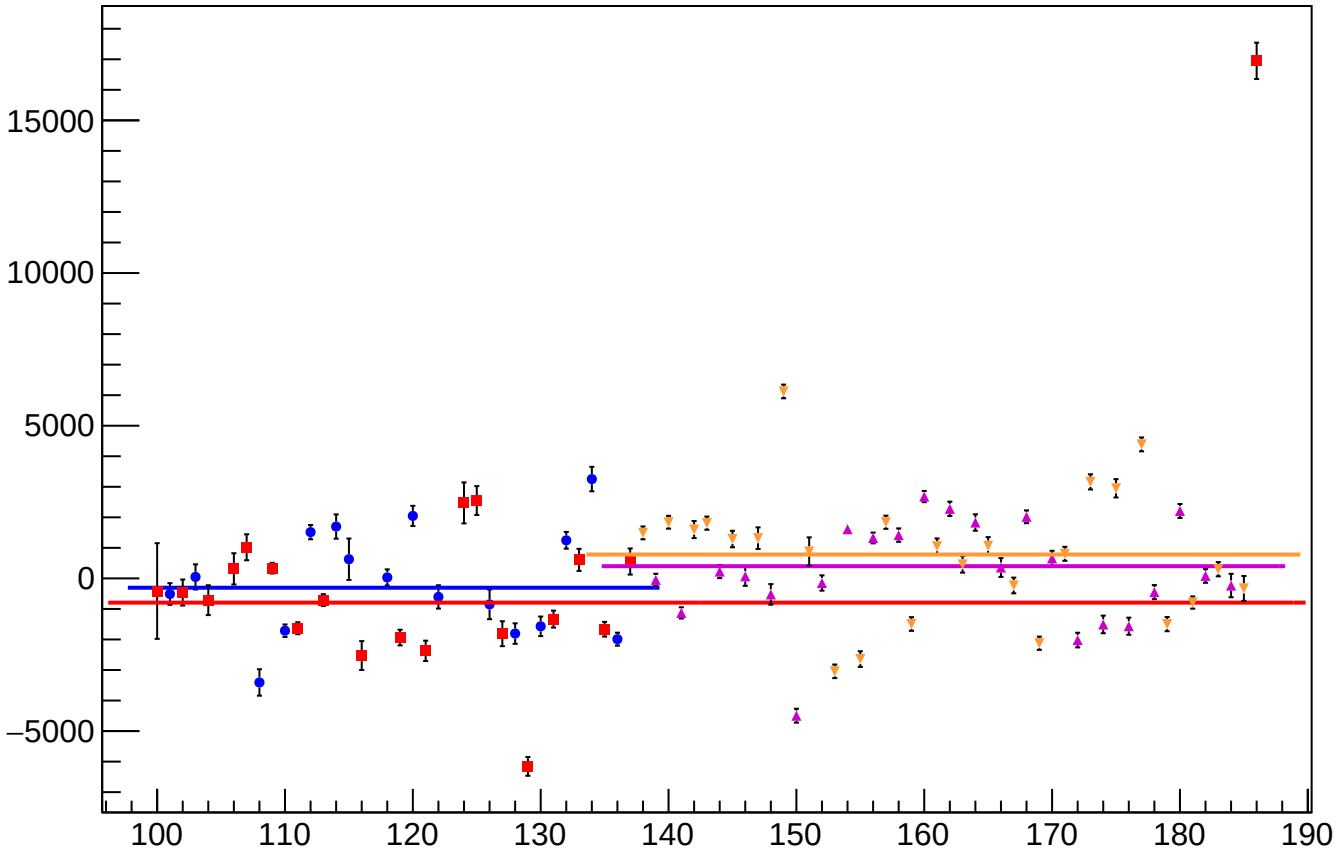
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 192.000+/-0.037 χ^2/NDF: 2692941.3/35

In: 201.156+/-0.029 χ^2/NDF:2021230.0/38

Out: 204.402+/-0.029 χ^2/NDF:2875123.9/44

All: 202.800+/-0.021 χ^2/NDF: 4902610.5/83



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

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

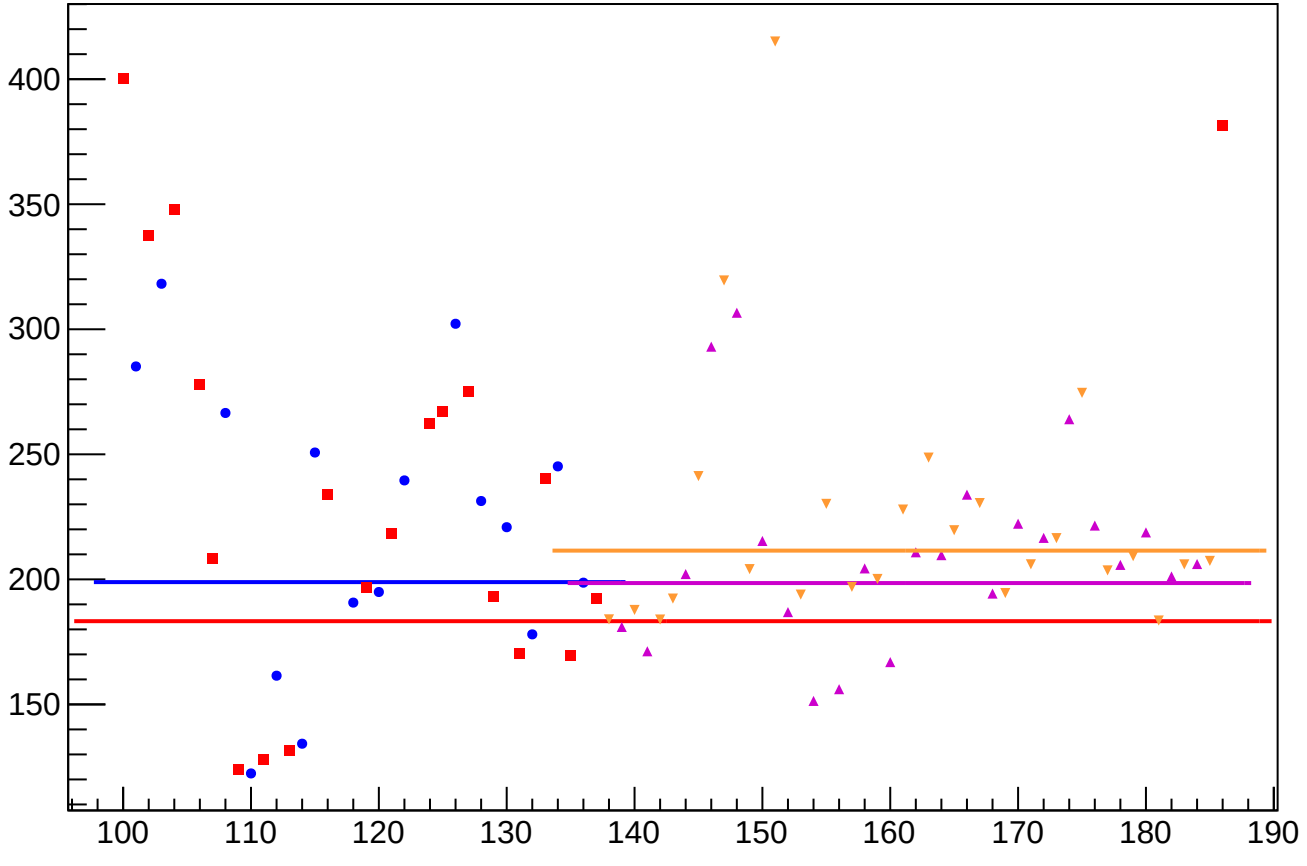
Right: -574.374+/-52.192 χ^2/NDF: 1928.1/35

In: 206.615+/-40.749 χ^2/NDF:1743.4/38

Out: 264.540+/-40.313 χ^2/NDF:3793.1/44

All: 235.889+/-28.659 χ^2/NDF: 5537.6/83

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

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

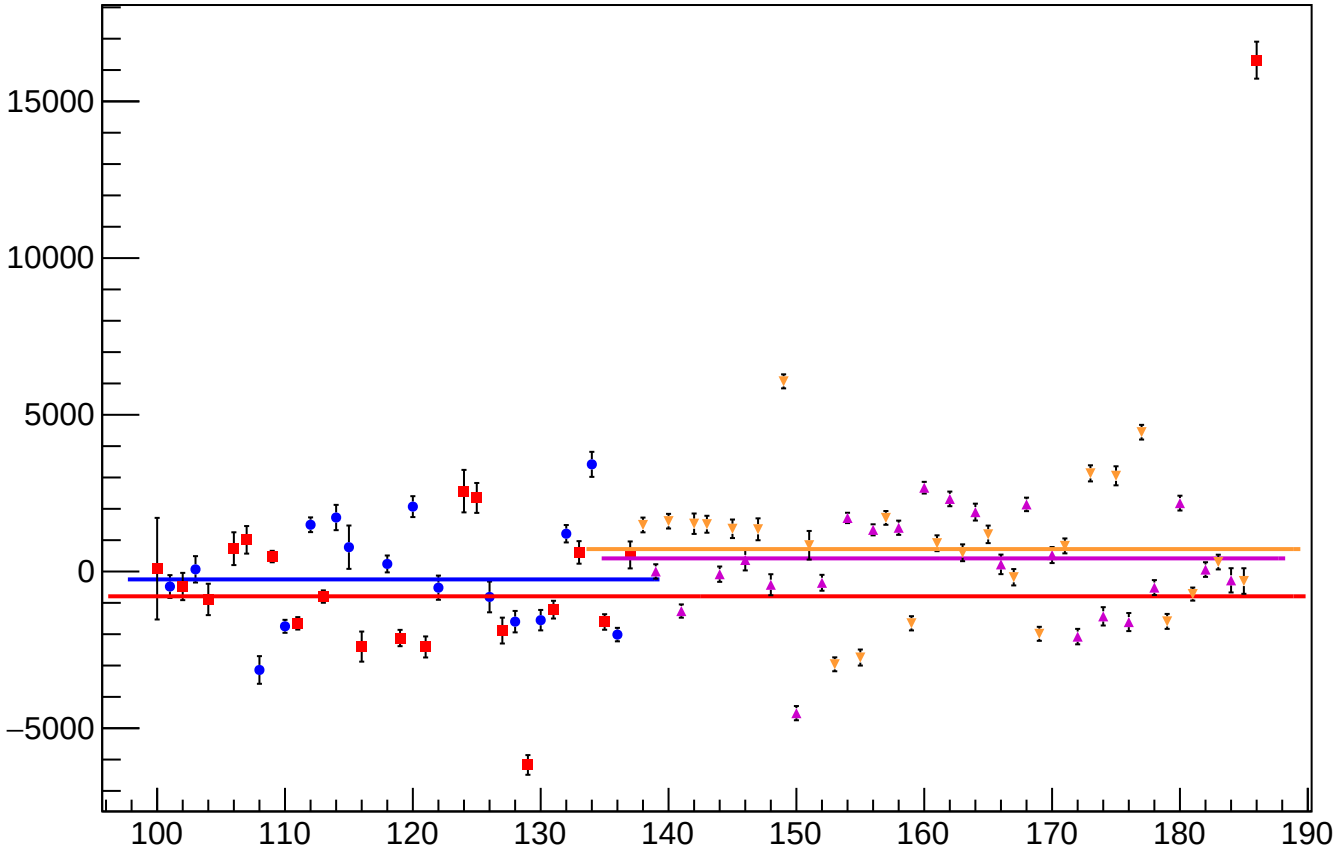
Right: 190.300+/-0.037 χ^2/NDF: 2616801.2/35

In: 198.628+/-0.029 χ^2/NDF:1919257.8/38

Out: 202.225+/-0.029 χ^2/NDF:2810796.1/44

All: 200.446+/-0.020 χ^2/NDF: 4737930.7/83

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

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

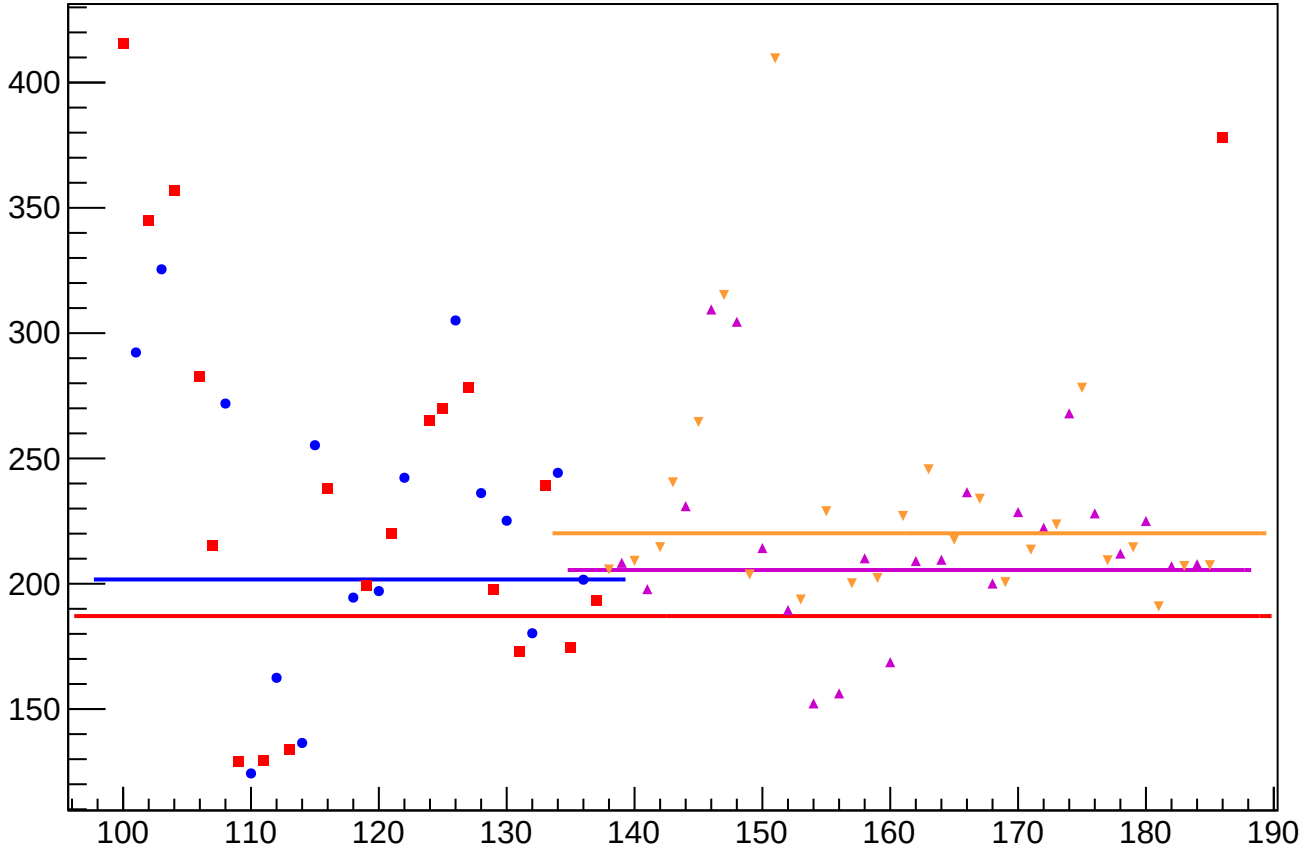
Right: -547.565+/-53.067 χ^2/NDF: 1866.7/35

In: 229.366+/-41.956 χ^2/NDF:1733.9/38

Out: 207.581+/-41.610 χ^2/NDF:3610.9/44

All: 218.383+/-29.544 χ^2/NDF: 5345.0/83

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

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

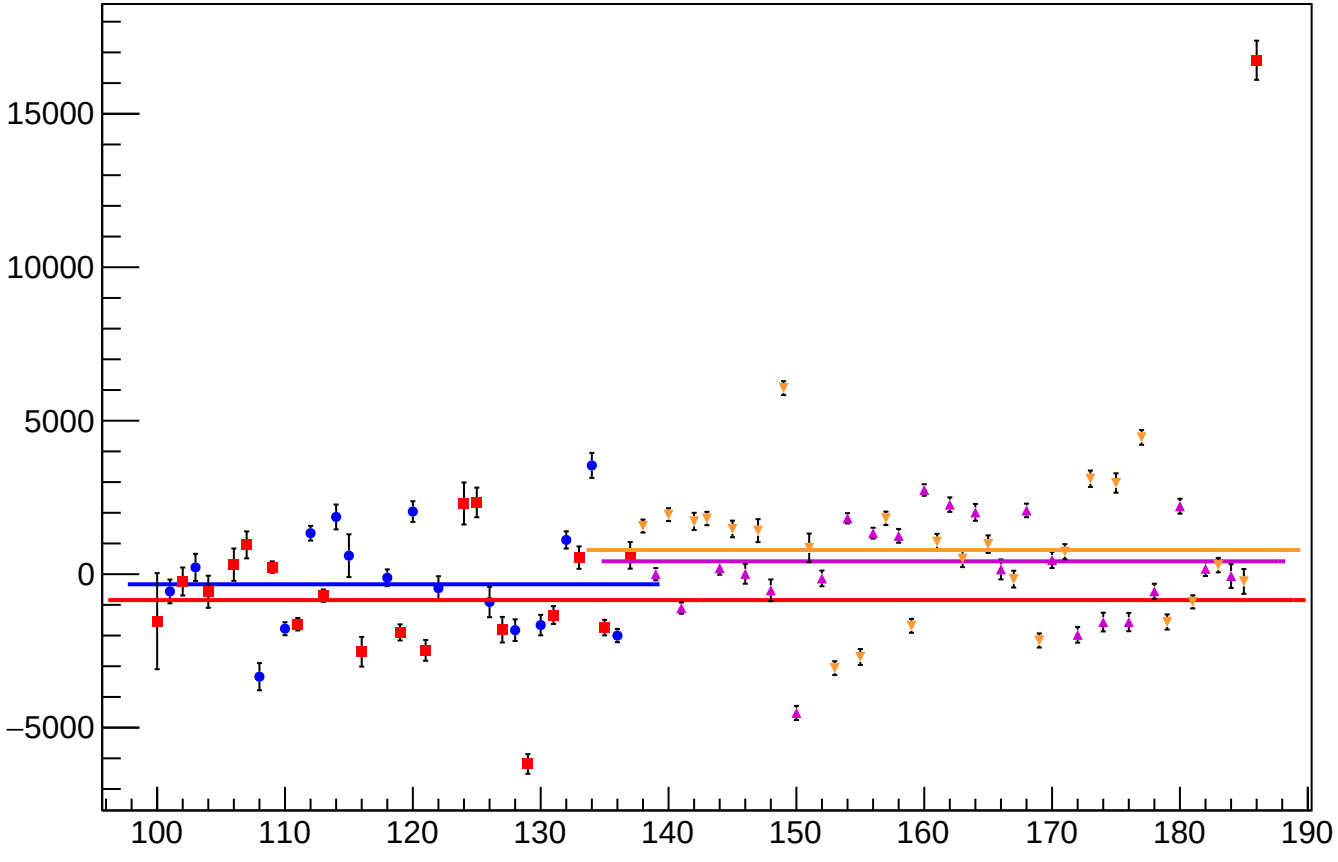
Right: 193.701+/-0.038 χ^2/NDF: 2578480.7/35

In: 204.418+/-0.030 χ^2/NDF:1941443.3/38

Out: 209.004+/-0.029 χ^2/NDF:2698270.3/44

All: 206.730+/-0.021 χ^2/NDF: 4651758.6/83

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

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

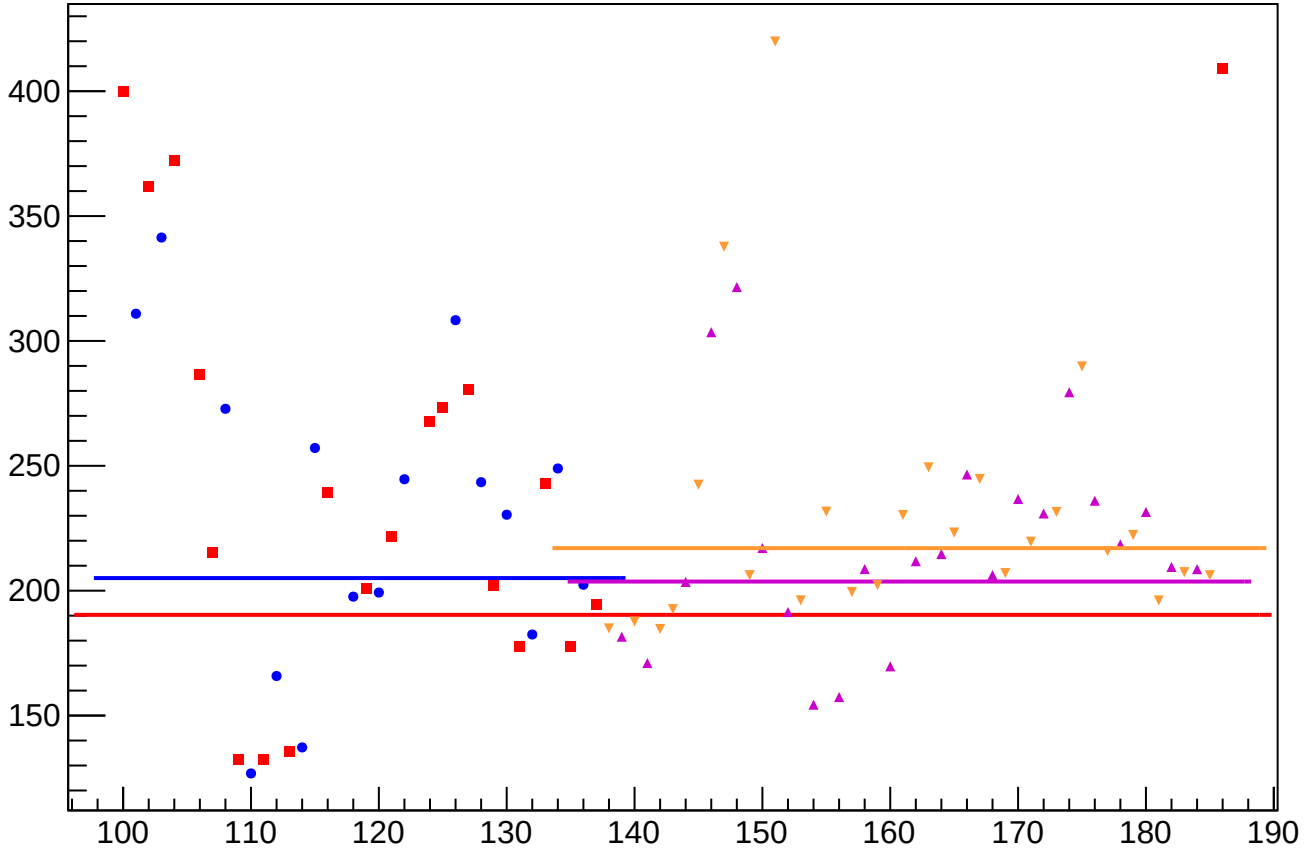
Right: -612.214+/-54.005 χ^2/NDF: 1731.0/35

In: 215.148+/-41.931 χ^2/NDF:1710.5/38

Out: 257.607+/-41.530 χ^2/NDF:3547.9/44

All: 236.582+/-29.507 χ^2/NDF: 5258.9/83

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

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

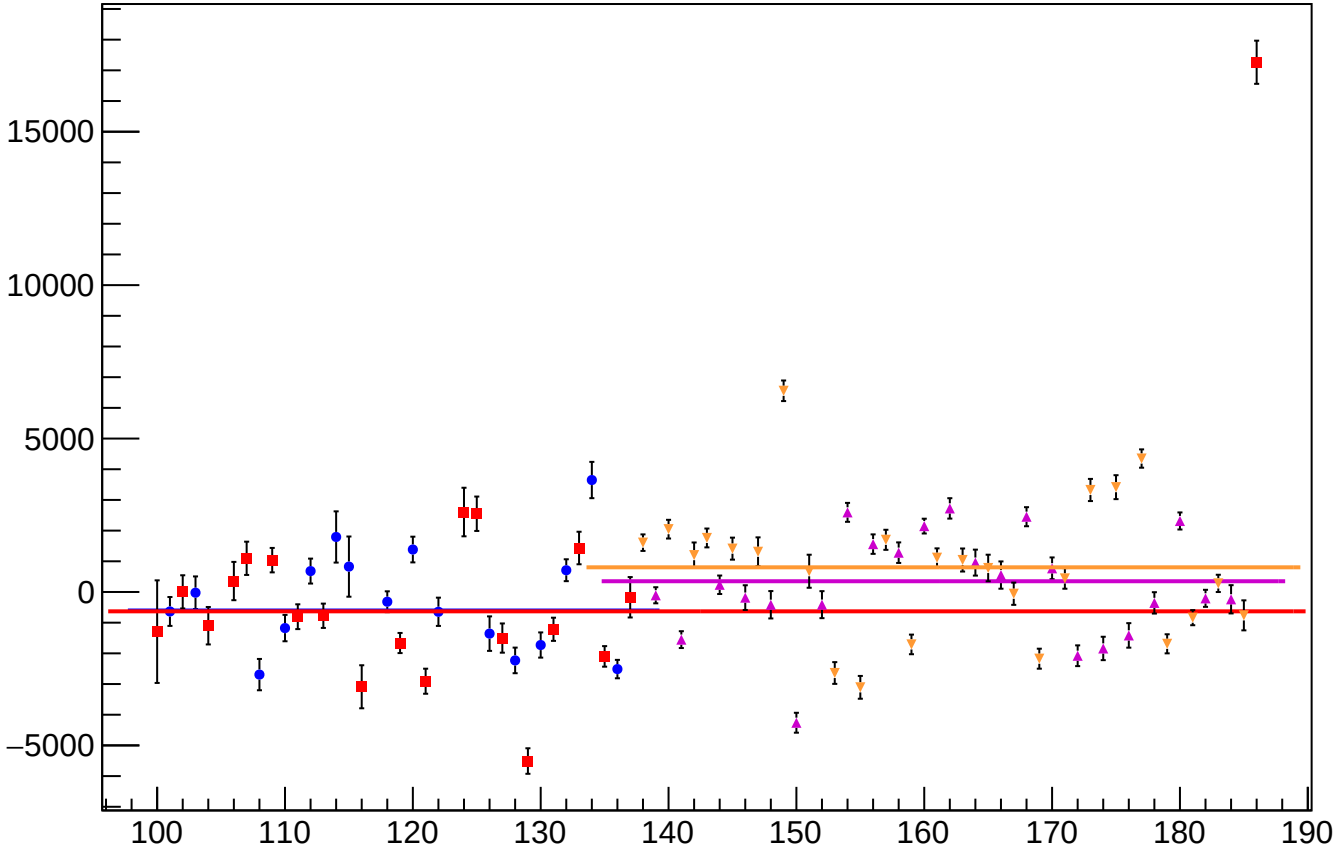
Right: 196.976+/-0.038 χ^2/NDF: 2648703.0/35

In: 204.039+/-0.030 χ^2/NDF:2128824.1/38

Out: 208.375+/-0.029 χ^2/NDF:2813339.6/44

All: 206.228+/-0.021 χ^2/NDF: 4952961.1/83

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

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

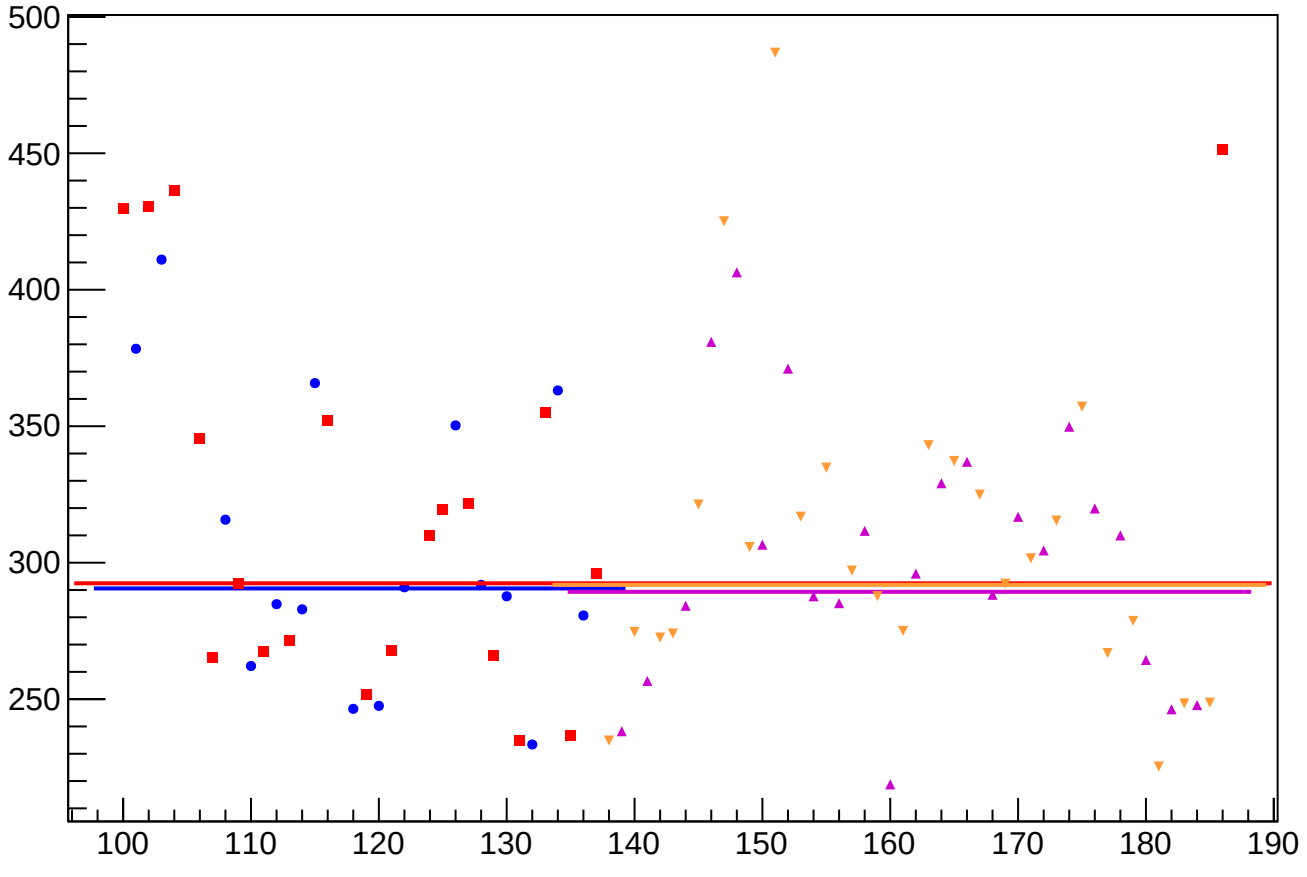
Right: -617.674+/-76.934 χ^2/NDF: 1153.8/35

In: 83.236+/-58.546 χ^2/NDF:903.1/38

Out: 393.785+/-57.207 χ^2/NDF:2146.3/44

All: 242.104+/-40.916 χ^2/NDF: 3063.8/83

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

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

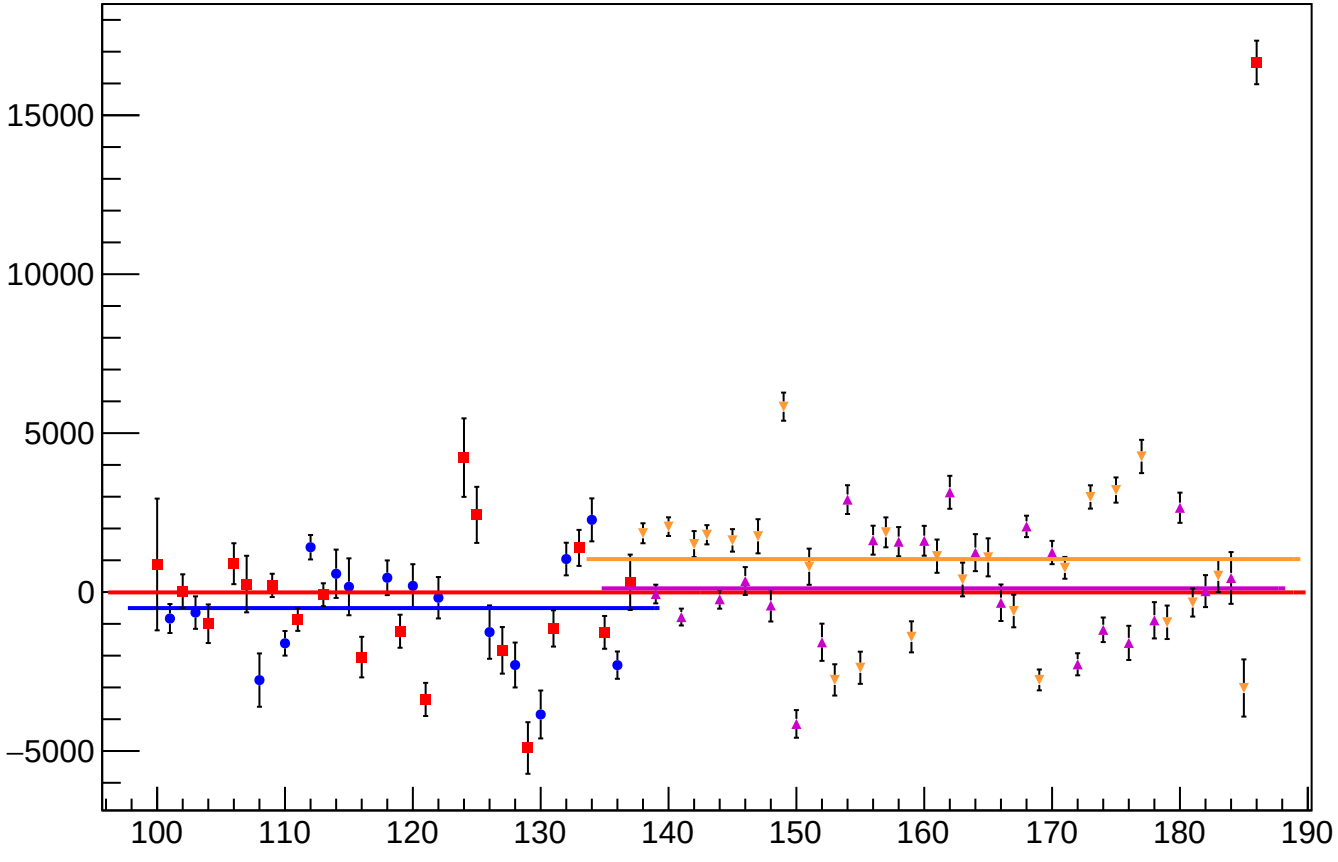
Right: 291.540+/-0.054 χ^2/NDF: 953675.1/35

In: 289.669+/-0.041 χ^2/NDF:1168594.8/38

Out: 292.045+/-0.040 χ^2/NDF:1553527.9/44

All: 290.884+/-0.029 χ^2/NDF: 2723807.0/83

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

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

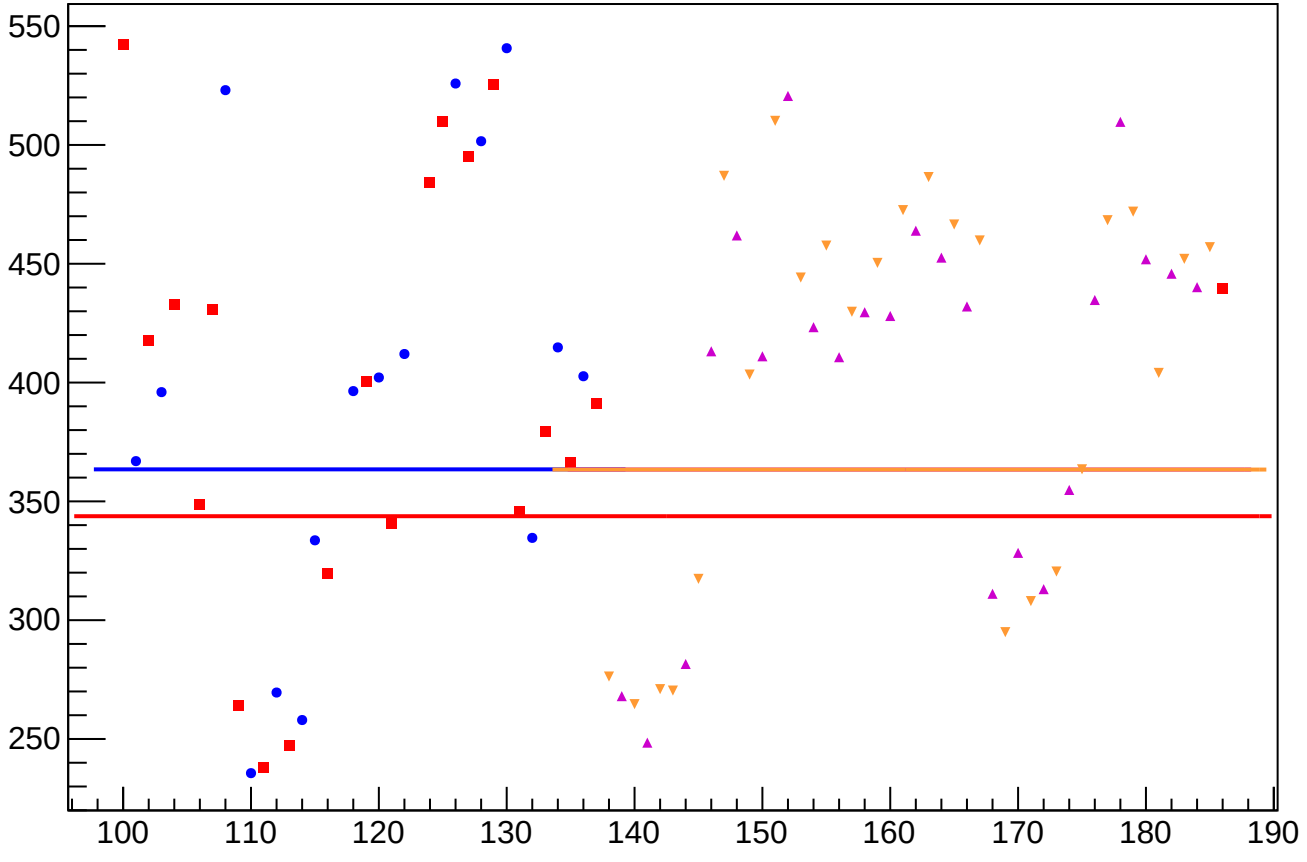
Right: -233.671+/-94.223 χ^2/NDF: 863.3/35

In: -56.980+/-74.185 χ^2/NDF:502.8/38

Out: 713.364+/-70.814 χ^2/NDF:1355.2/44

All: 346.092+/-51.223 χ^2/NDF: 1914.4/83

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

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

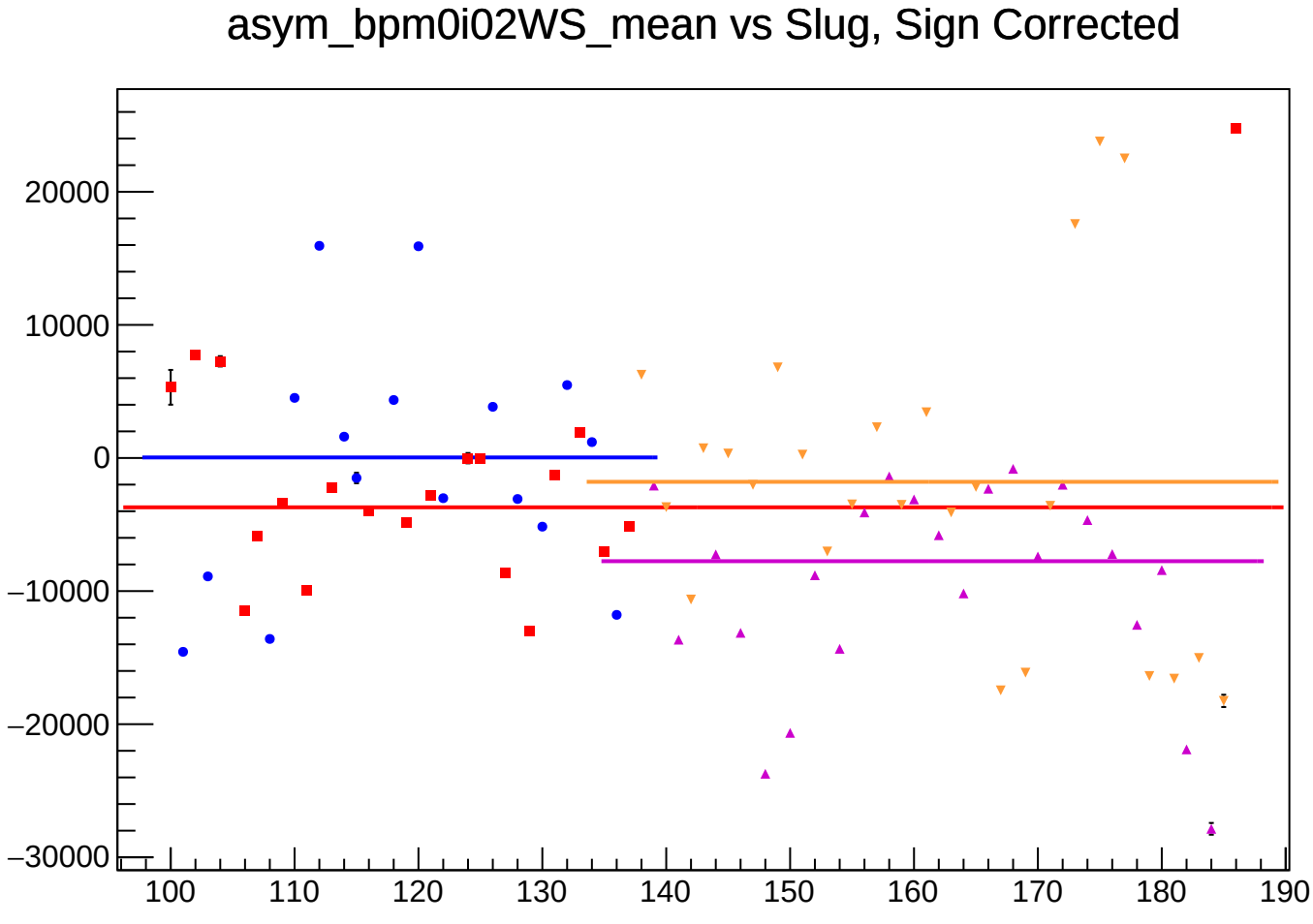
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 352.679+/-0.067 χ^2/NDF: 1699230.4/35

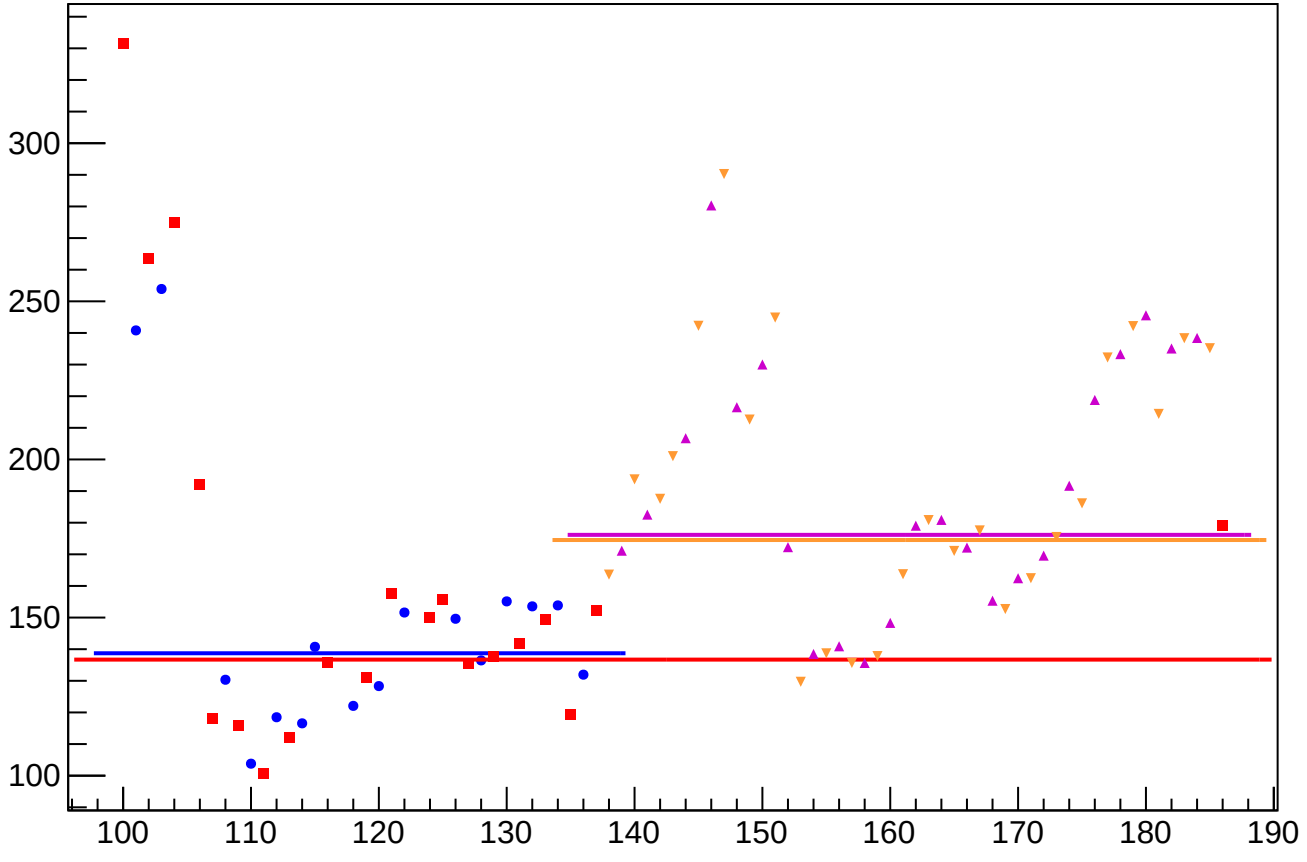
In: 363.410+/-0.052 χ^2/NDF:2492492.8/38

Out: 357.317+/-0.050 χ^2/NDF:2869970.7/44

All: 360.222+/-0.036 χ^2/NDF: 5369522.4/83


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: 40.915+/-54.199 χ²/NDF: 30786.3/15
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: -1938.356+/-37.226 χ²/NDF: 51785.0/35
In: -4780.115+/-33.479 χ²/NDF:66858.1/38
Out: -2536.413+/-31.965 χ²/NDF:85074.0/44
All: -3606.397+/-23.119 χ²/NDF: 154281.8/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

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

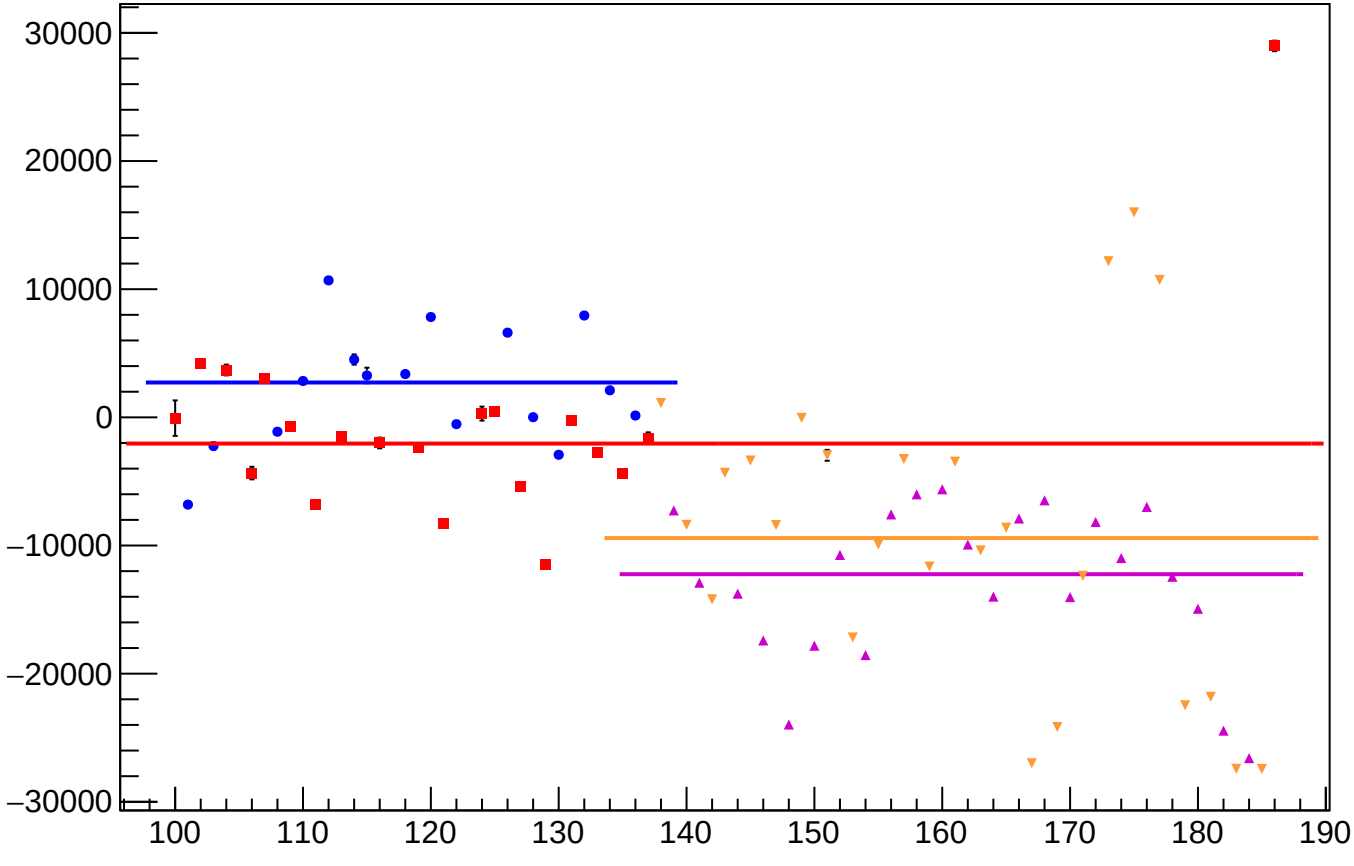
Right: 137.652+/-0.026 χ^2/NDF: 1596316.2/35

In: 161.868+/-0.024 χ^2/NDF:2615168.9/38

Out: 159.792+/-0.023 χ^2/NDF:3262135.0/44

All: 160.782+/-0.016 χ^2/NDF: 5881329.3/83

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

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

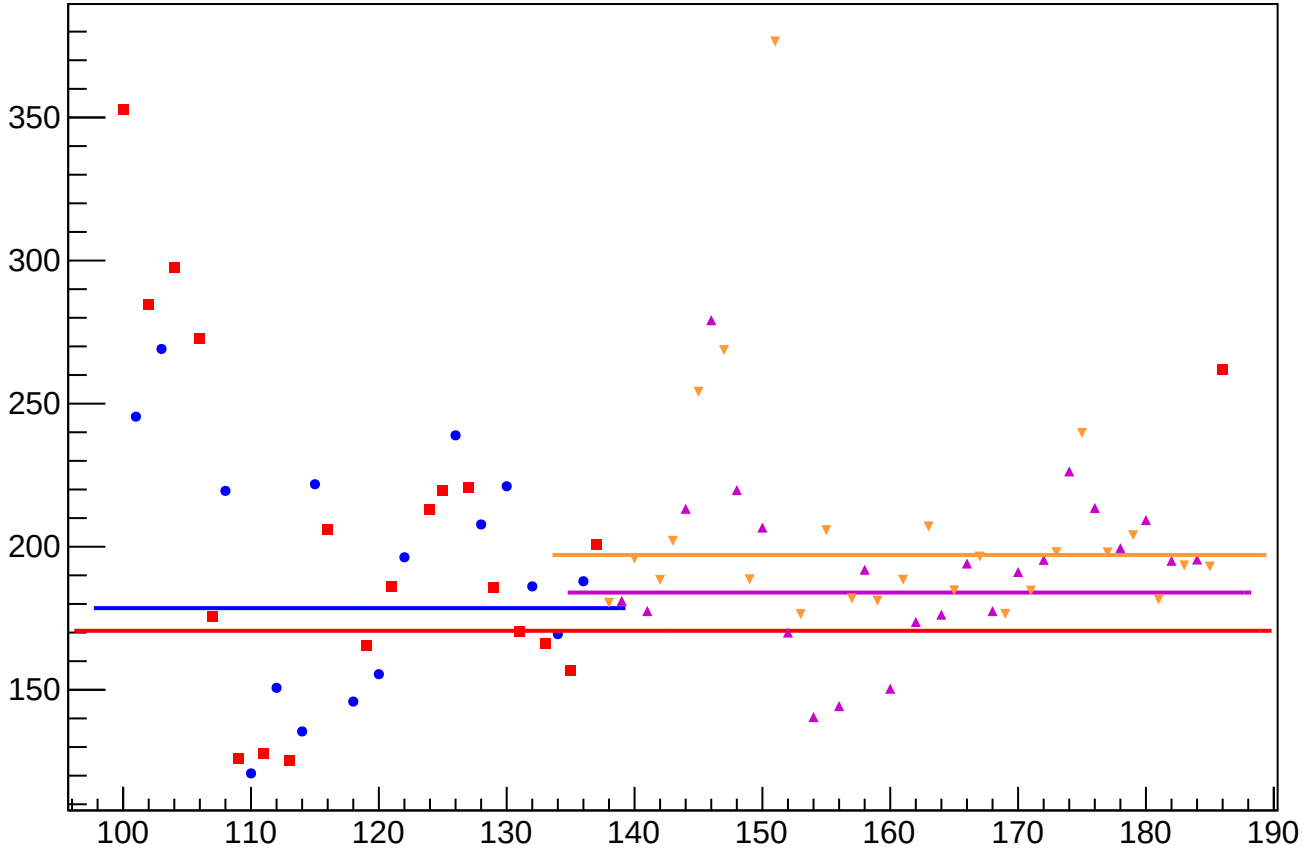
Right: 151.615+/-47.021 χ^2/NDF: 15627.8/35

In: -7909.149+/-37.254 χ^2/NDF:53302.7/38

Out: -6932.701+/-37.201 χ^2/NDF:82449.1/44

All: -7420.222+/-26.324 χ^2/NDF: 136095.7/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

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

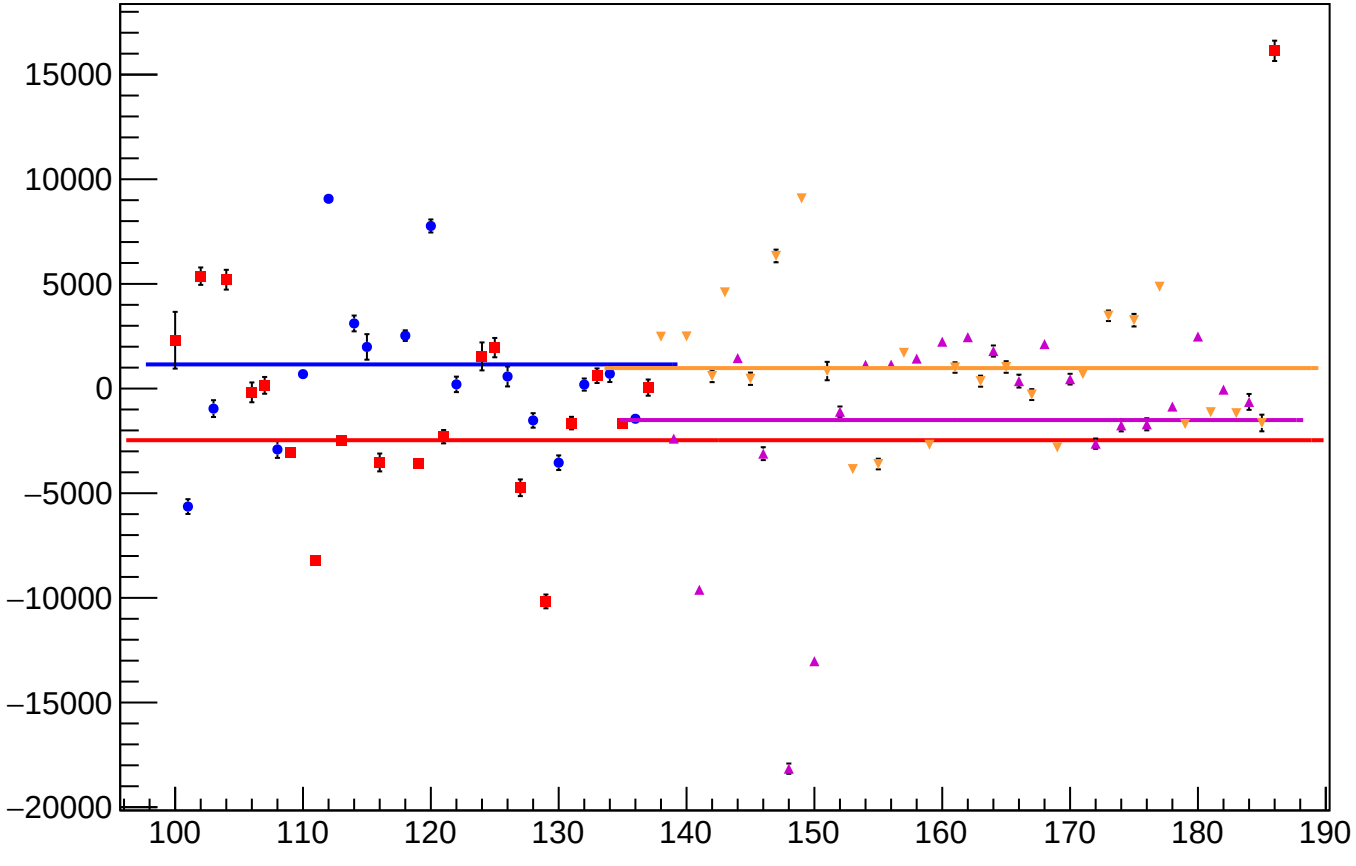
Right: 174.275+/-0.033 χ^2/NDF: 1770217.2/35

In: 182.410+/-0.026 χ^2/NDF:1513129.0/38

Out: 188.185+/-0.026 χ^2/NDF:2040900.1/44

All: 185.301+/-0.019 χ^2/NDF: 3578094.7/83

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -2467.471+/-68.450 χ^2/NDF: 3947.7/19

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

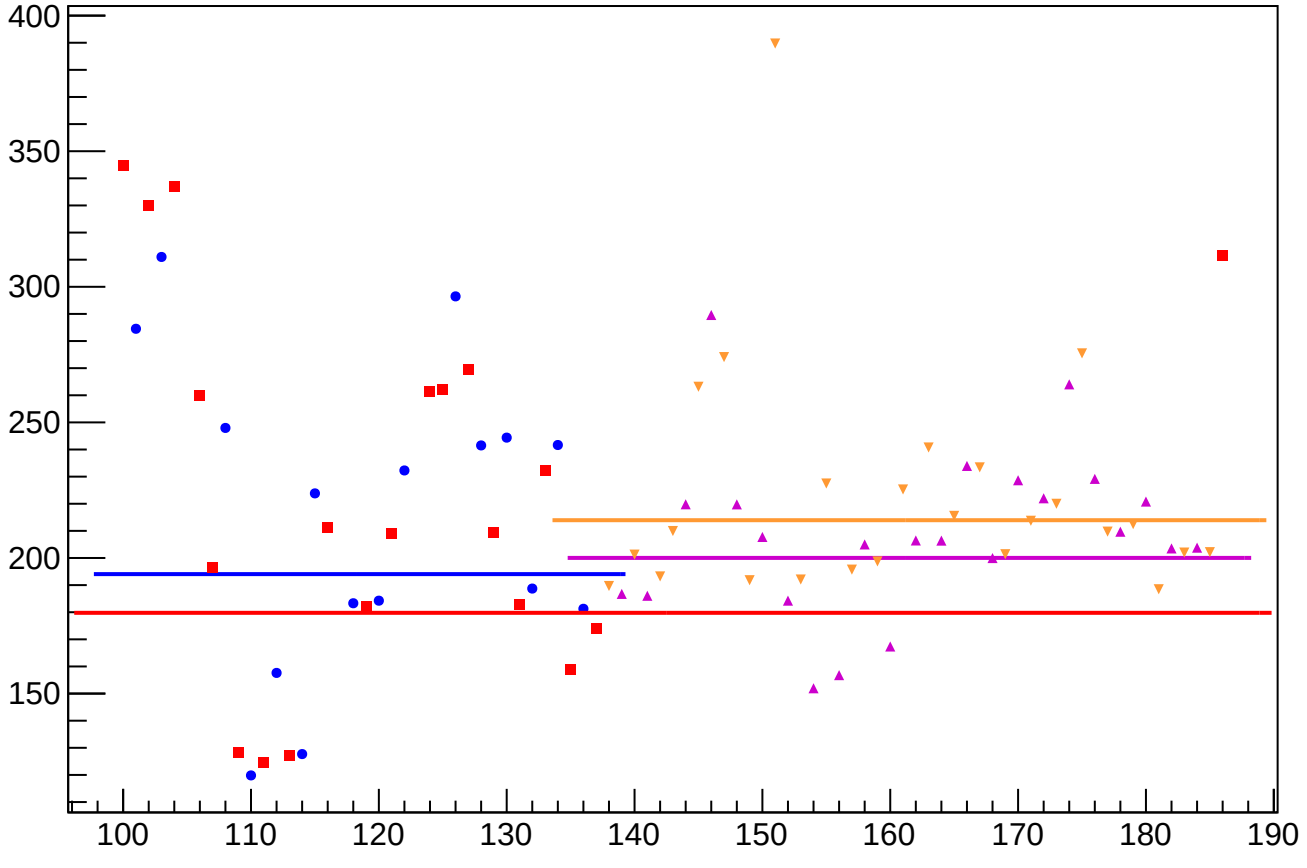
Right: -844.567+/-50.849 χ^2/NDF: 7857.3/35

In: -745.144+/-40.608 χ^2/NDF:15011.1/38

Out: -208.182+/-40.168 χ^2/NDF:9932.2/44

All: -473.739+/-28.557 χ^2/NDF: 25031.7/83

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

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

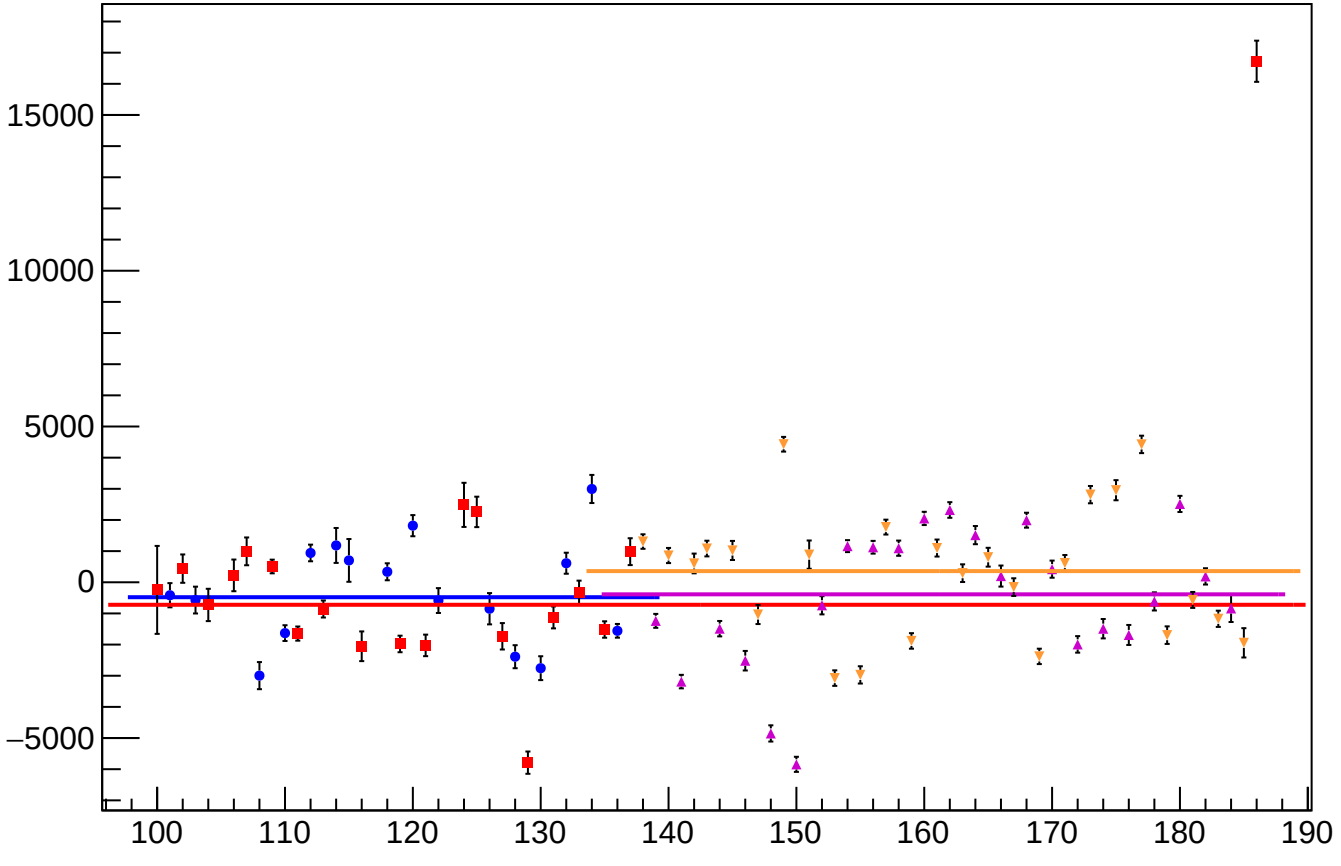
Right: 186.176+/-0.036 χ^2/NDF: 2513909.5/35

In: 198.322+/-0.029 χ^2/NDF:1760158.0/38

Out: 202.171+/-0.028 χ^2/NDF:2569202.5/44

All: 200.268+/-0.020 χ^2/NDF: 4338442.2/83

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

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

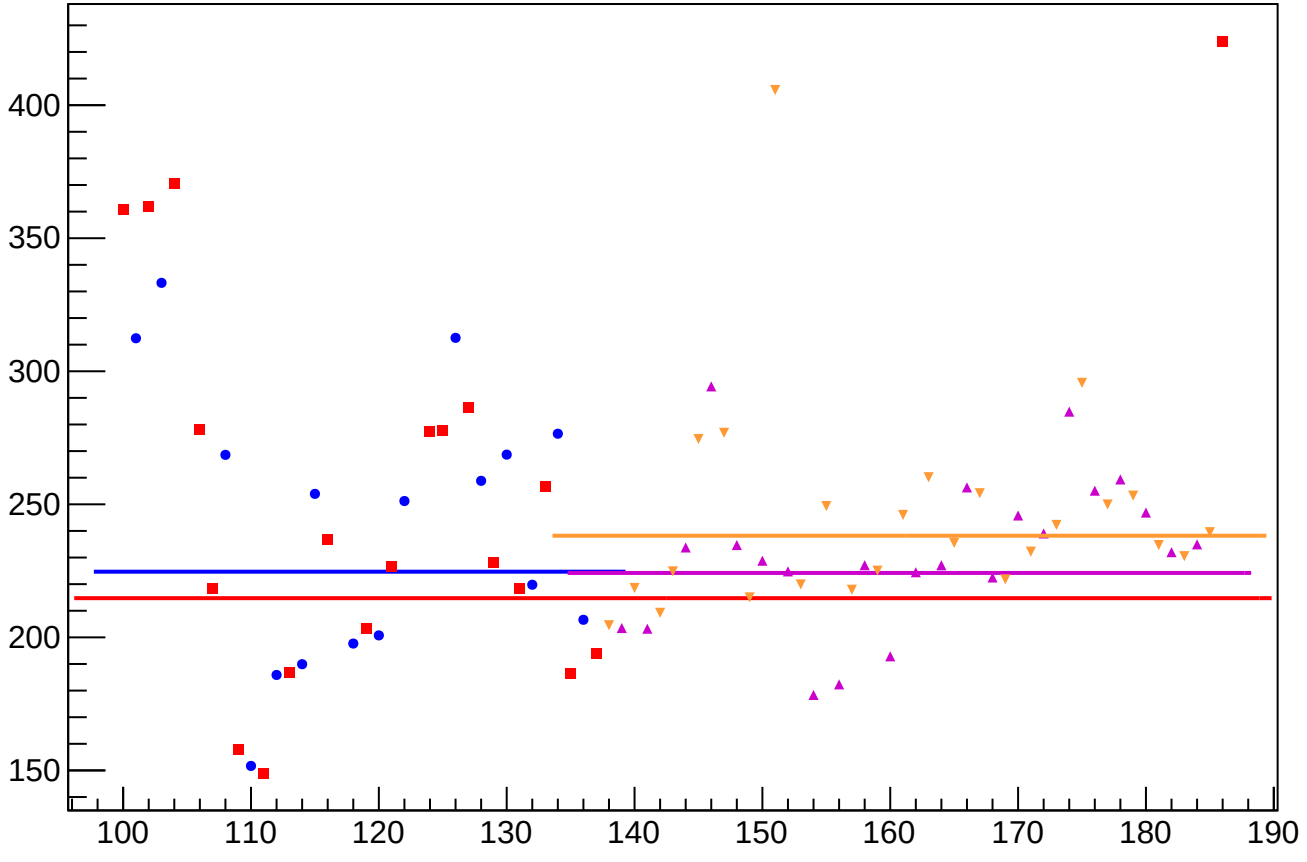
Right: -610.182+/-58.926 χ^2/NDF: 1415.6/35

In: -412.437+/-45.545 χ^2/NDF:2110.4/38

Out: 13.728+/-45.380 χ^2/NDF:2648.1/44

All: -198.583+/-32.147 χ^2/NDF: 4802.5/83

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

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

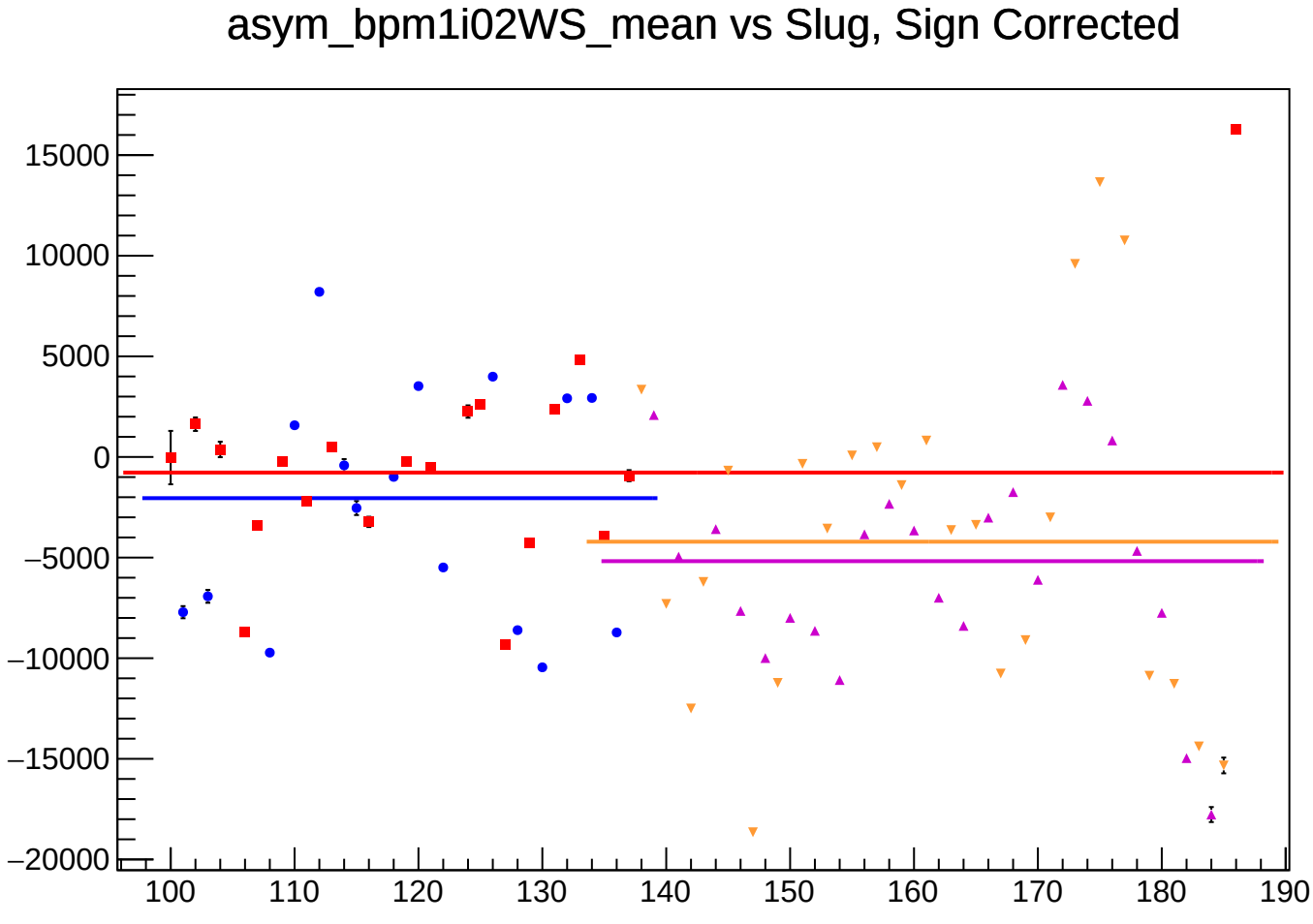
Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

Right: 219.331+/-0.042 χ^2/NDF: 1803487.2/35

In: 224.342+/-0.032 χ^2/NDF:1216467.2/38

Out: 230.713+/-0.032 χ^2/NDF:1820240.4/44

All: 227.539+/-0.023 χ^2/NDF: 3056346.8/83



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

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

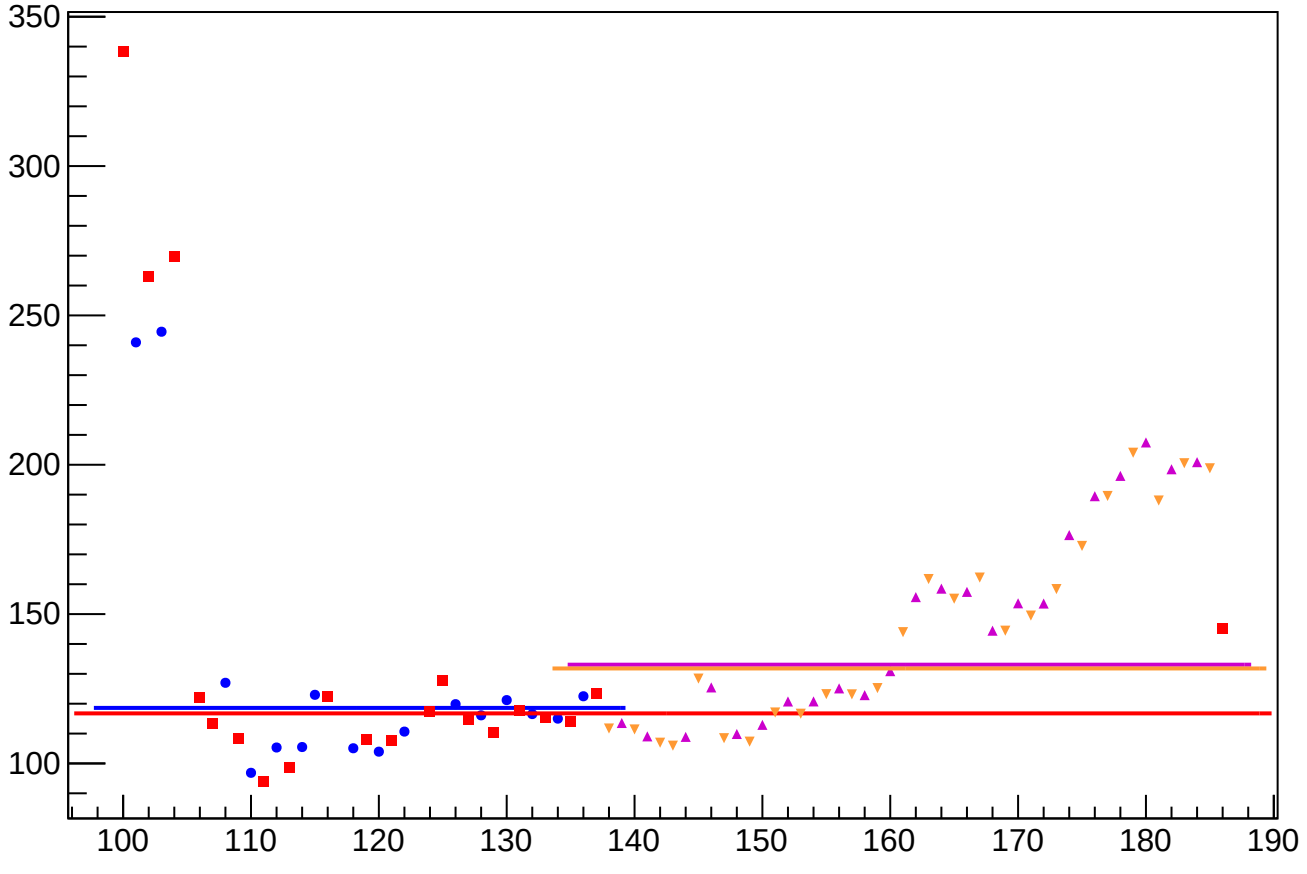
Right: -1371.364+/-31.989 χ^2/NDF: 29318.8/35

In: -4179.781+/-26.384 χ^2/NDF:38309.0/38

Out: -3075.566+/-25.227 χ^2/NDF:73121.6/44

All: -3602.935+/-18.234 χ^2/NDF: 112345.6/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

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

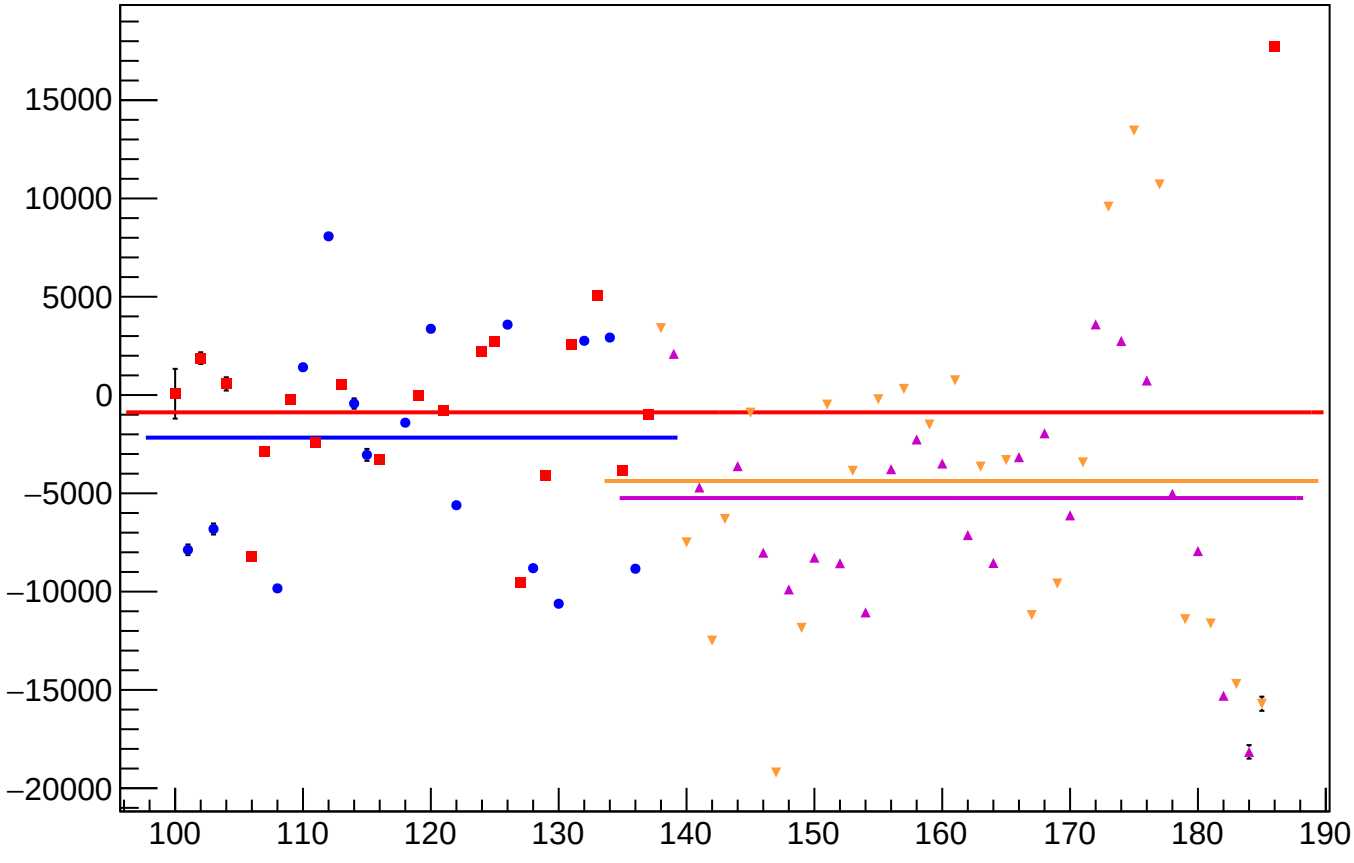
Right: 117.619+/-0.023 χ^2/NDF: 1632456.2/35

In: 128.448+/-0.019 χ^2/NDF:2282988.8/38

Out: 126.829+/-0.018 χ^2/NDF:2598255.3/44

All: 127.602+/-0.013 χ^2/NDF: 4885180.8/83

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

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

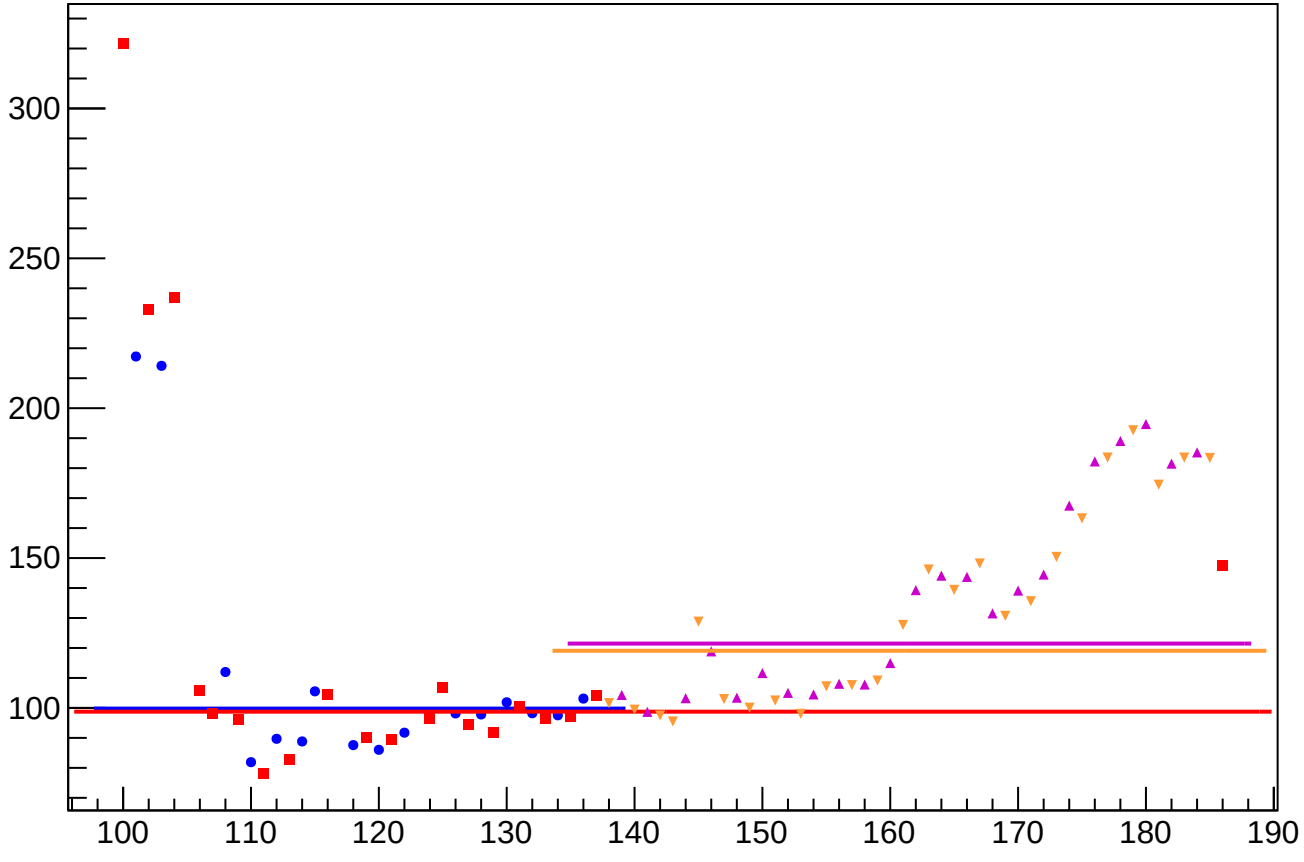
Right: -1486.829+/-27.229 χ^2/NDF: 39255.5/35

In: -4155.763+/-23.535 χ^2/NDF:49042.3/38

Out: -3123.827+/-22.407 χ^2/NDF:88625.4/44

All: -3614.468+/-16.228 χ^2/NDF: 138676.1/8

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

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

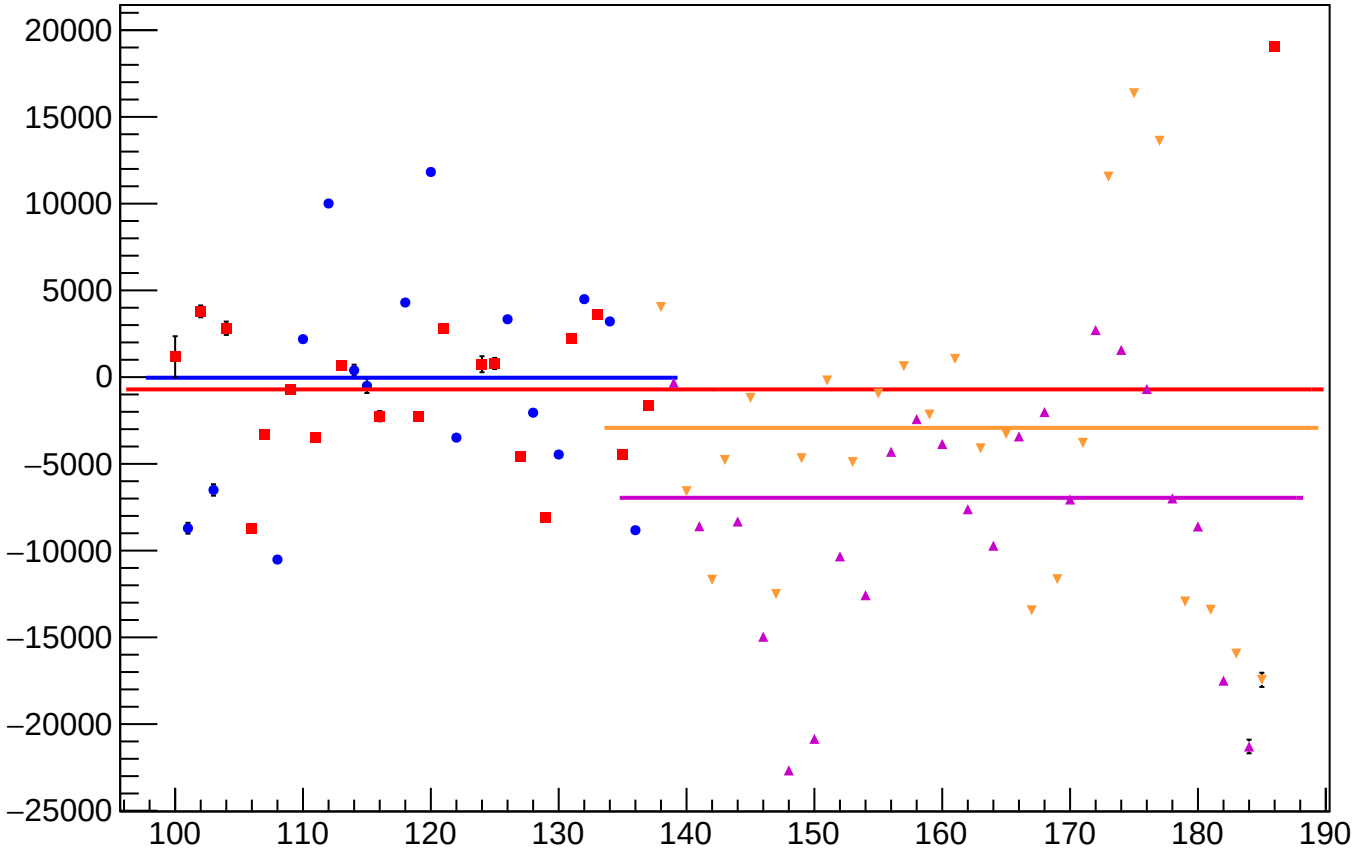
Right: 99.233+/-0.019 χ^2/NDF: 1827812.2/35

In: 113.818+/-0.017 χ^2/NDF:2726442.2/38

Out: 111.800+/-0.016 χ^2/NDF:3151058.2/44

All: 112.759+/-0.011 χ^2/NDF: 5885209.1/83

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -707.856+/-50.989 χ^2/NDF: 9813.0/19

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

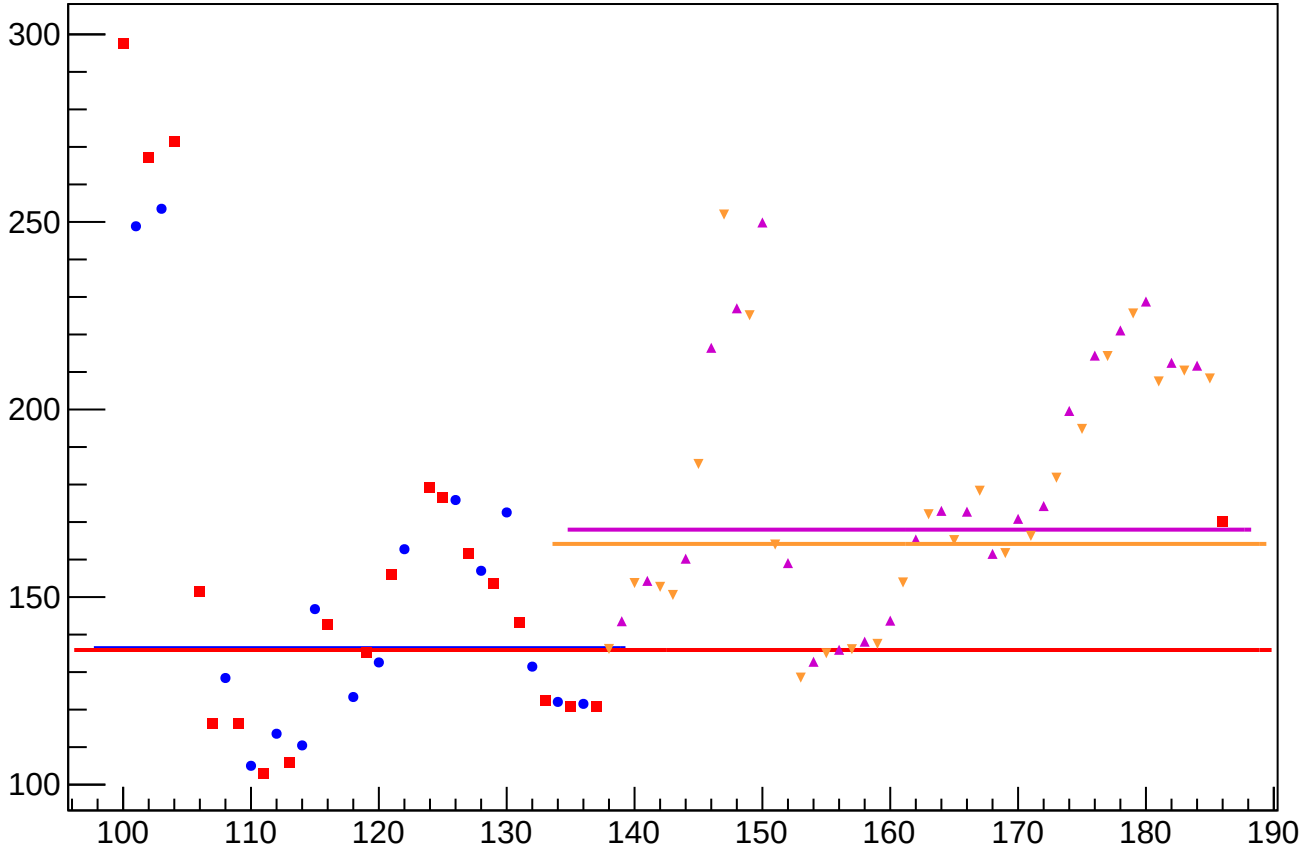
Right: -387.209+/-36.899 χ^2/NDF: 26698.8/35

In: -4453.281+/-32.154 χ^2/NDF:49841.9/38

Out: -2127.115+/-30.564 χ^2/NDF:49074.6/44

All: -3231.285+/-22.153 χ^2/NDF: 101665.9/8

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

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

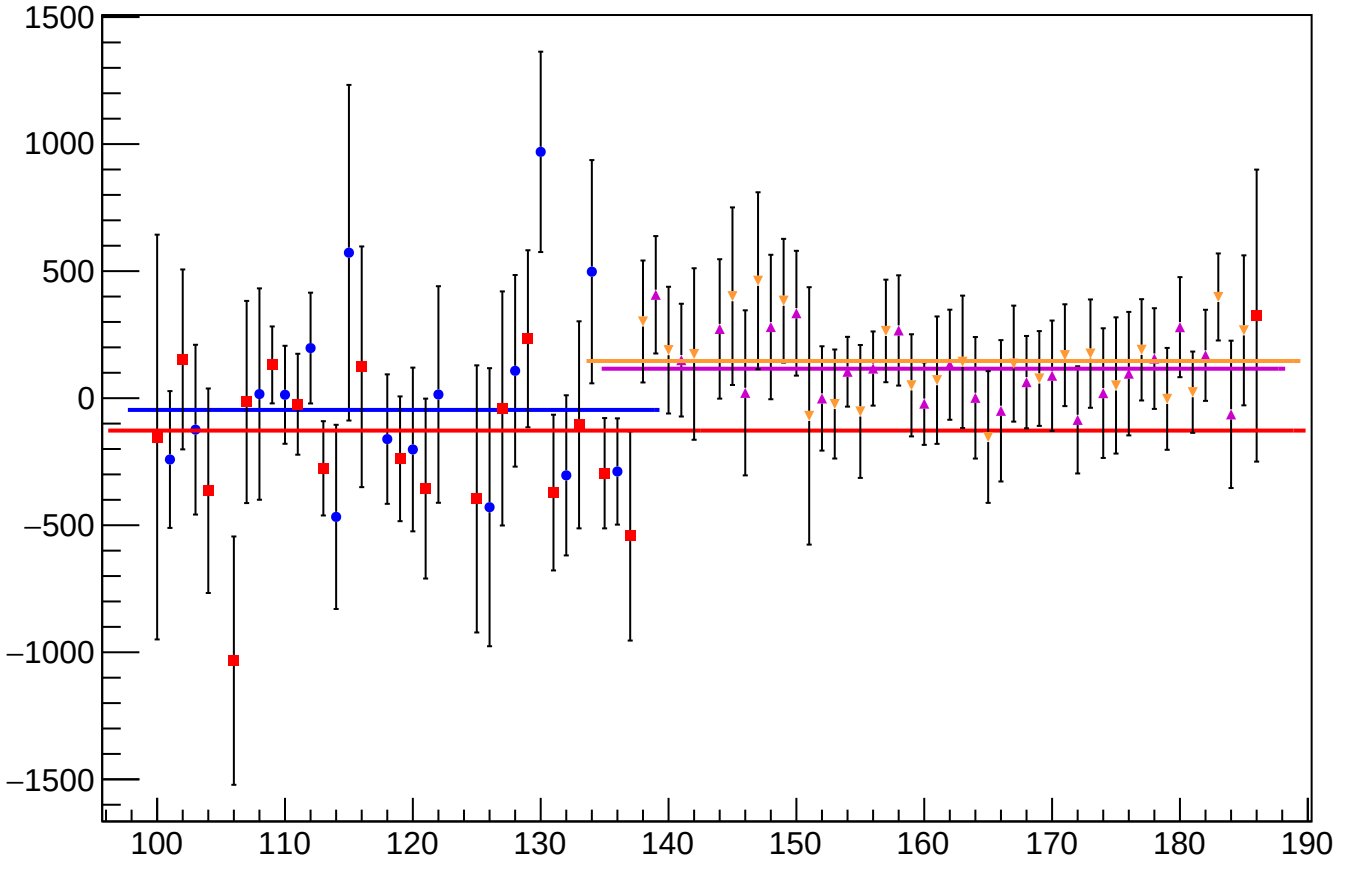
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 136.127+/-0.026 χ^2/NDF: 1750628.2/35

In: 156.549+/-0.023 χ^2/NDF:2465332.5/38

Out: 154.011+/-0.022 χ^2/NDF:2572217.2/44

All: 155.216+/-0.016 χ^2/NDF: 5044094.0/83



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

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

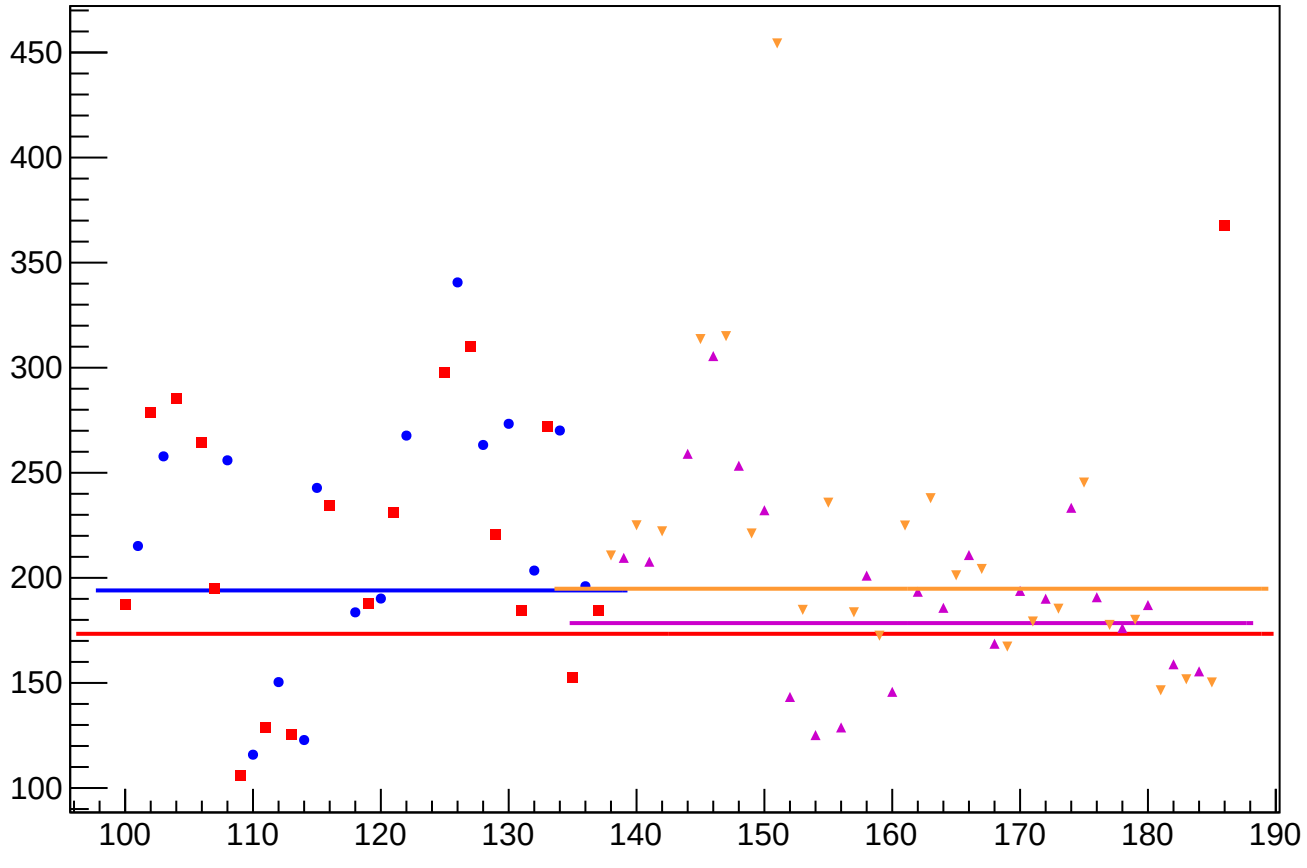
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -91.540+/-50.732 χ^2/NDF: 29.6/34

In: 76.035+/-37.856 χ^2/NDF:26.5/38

Out: 57.885+/-38.612 χ^2/NDF:34.4/42

All: 67.139+/-27.032 χ^2/NDF: 61.0/81



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

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

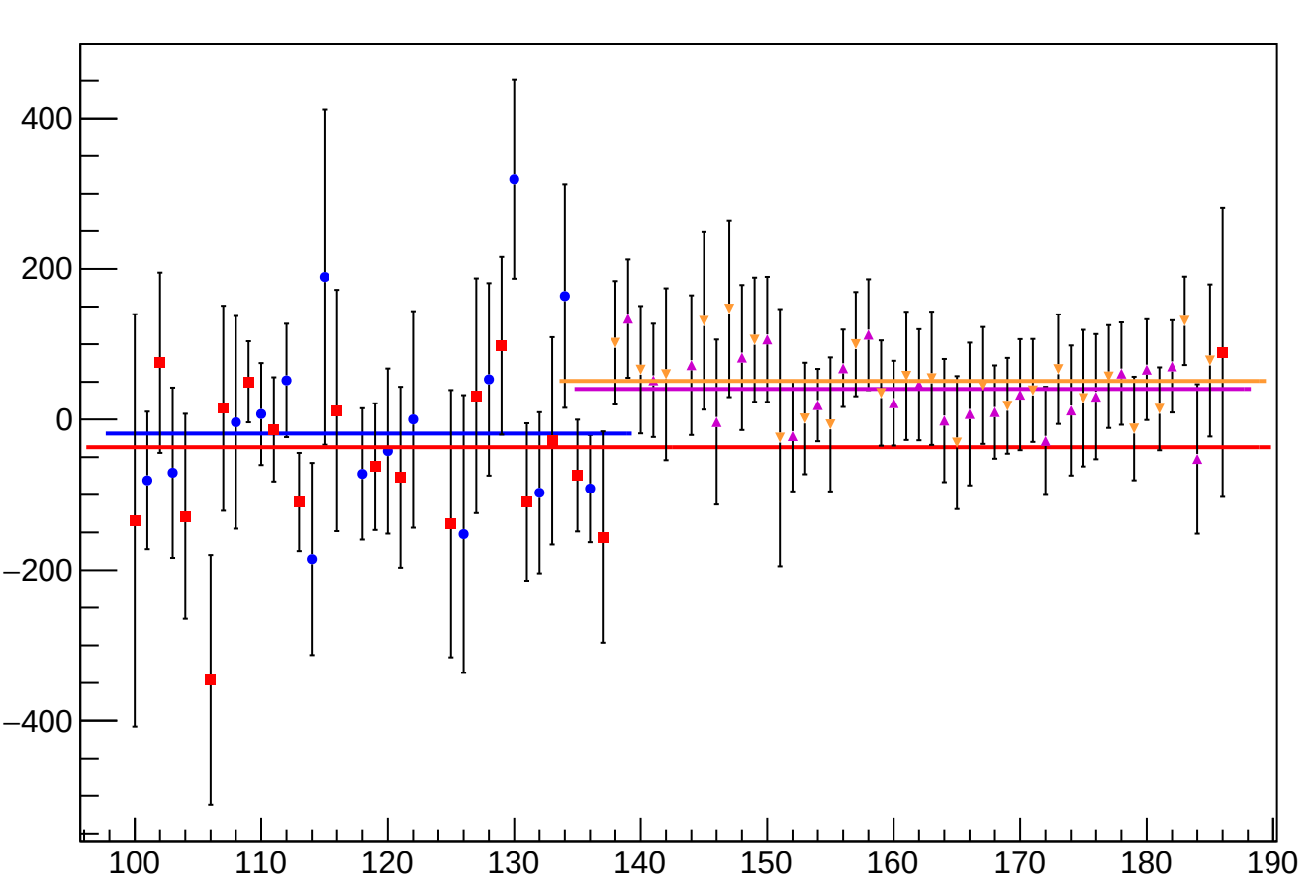
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 182.505+/-0.036 χ^2/NDF: 2950354.3/34

In: 182.303+/-0.027 χ^2/NDF:2782426.5/38

Out: 187.898+/-0.027 χ^2/NDF:3712594.2/42

All: 185.045+/-0.019 χ^2/NDF: 6516431.8/81



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

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

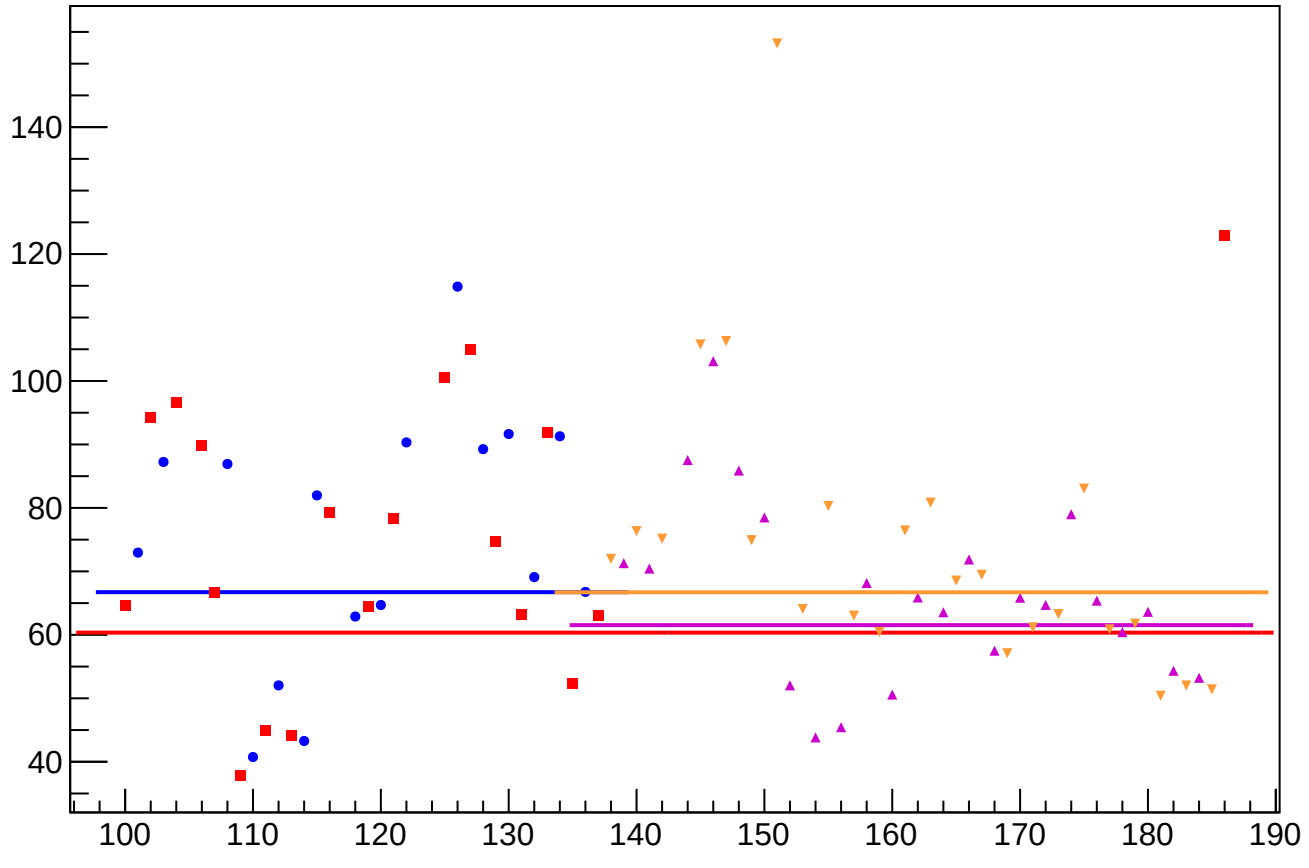
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -28.692+/-17.460 χ^2/NDF: 28.5/34

In: 25.897+/-12.993 χ^2/NDF:26.9/38

Out: 23.170+/-13.242 χ^2/NDF:30.8/42

All: 24.559+/-9.274 χ^2/NDF: 57.7/81



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

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

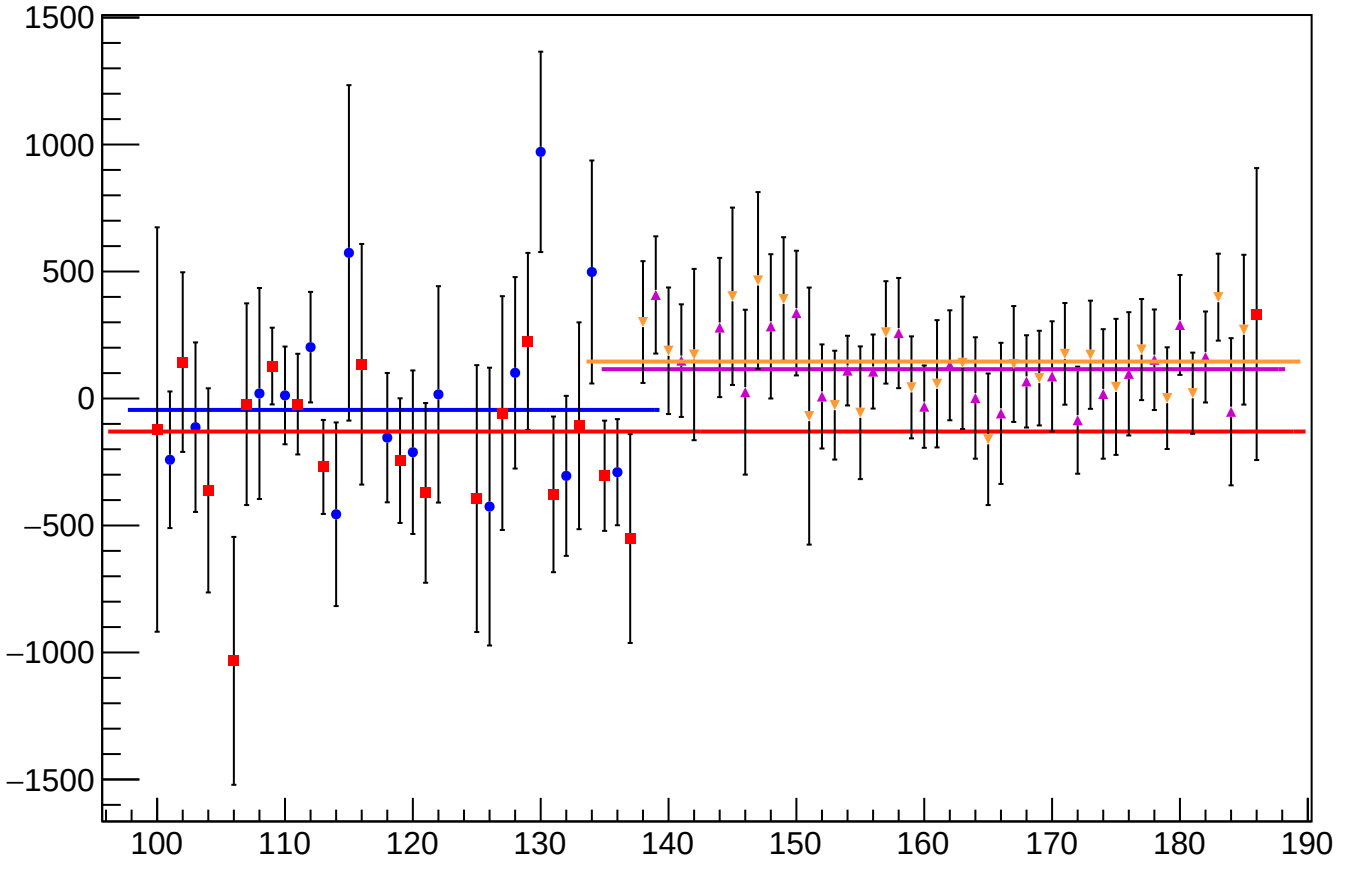
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 63.197+/-0.012 χ^2/NDF: 2673455.0/34

In: 62.814+/-0.009 χ^2/NDF:2496428.9/38

Out: 64.681+/-0.009 χ^2/NDF:3436755.0/42

All: 63.730+/-0.007 χ^2/NDF: 5953430.2/81



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

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

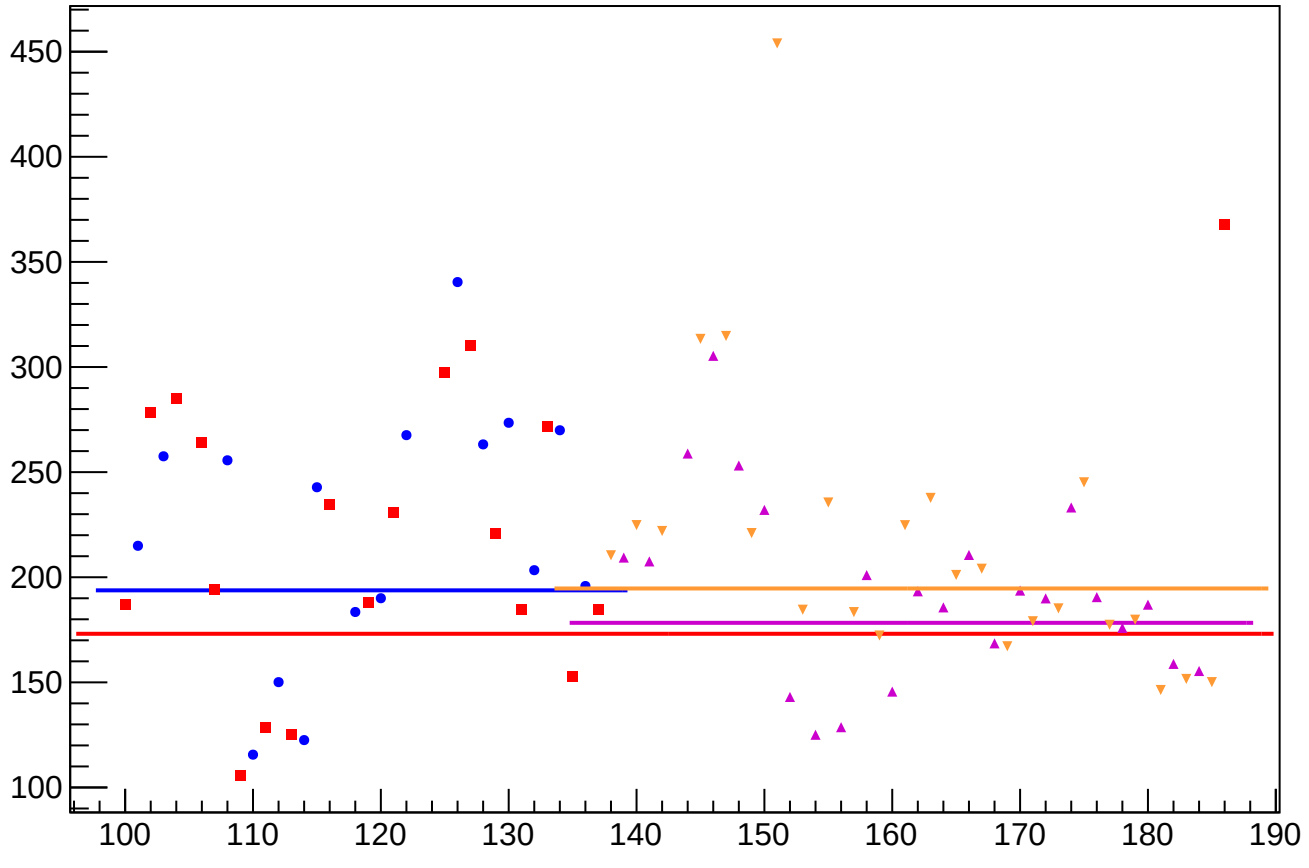
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -92.401+/-50.670 χ^2/NDF: 29.7/34

In: 75.967+/-37.822 χ^2/NDF:26.6/38

Out: 56.414+/-38.573 χ^2/NDF:34.9/42

All: 66.383+/-27.006 χ^2/NDF: 61.6/81



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

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

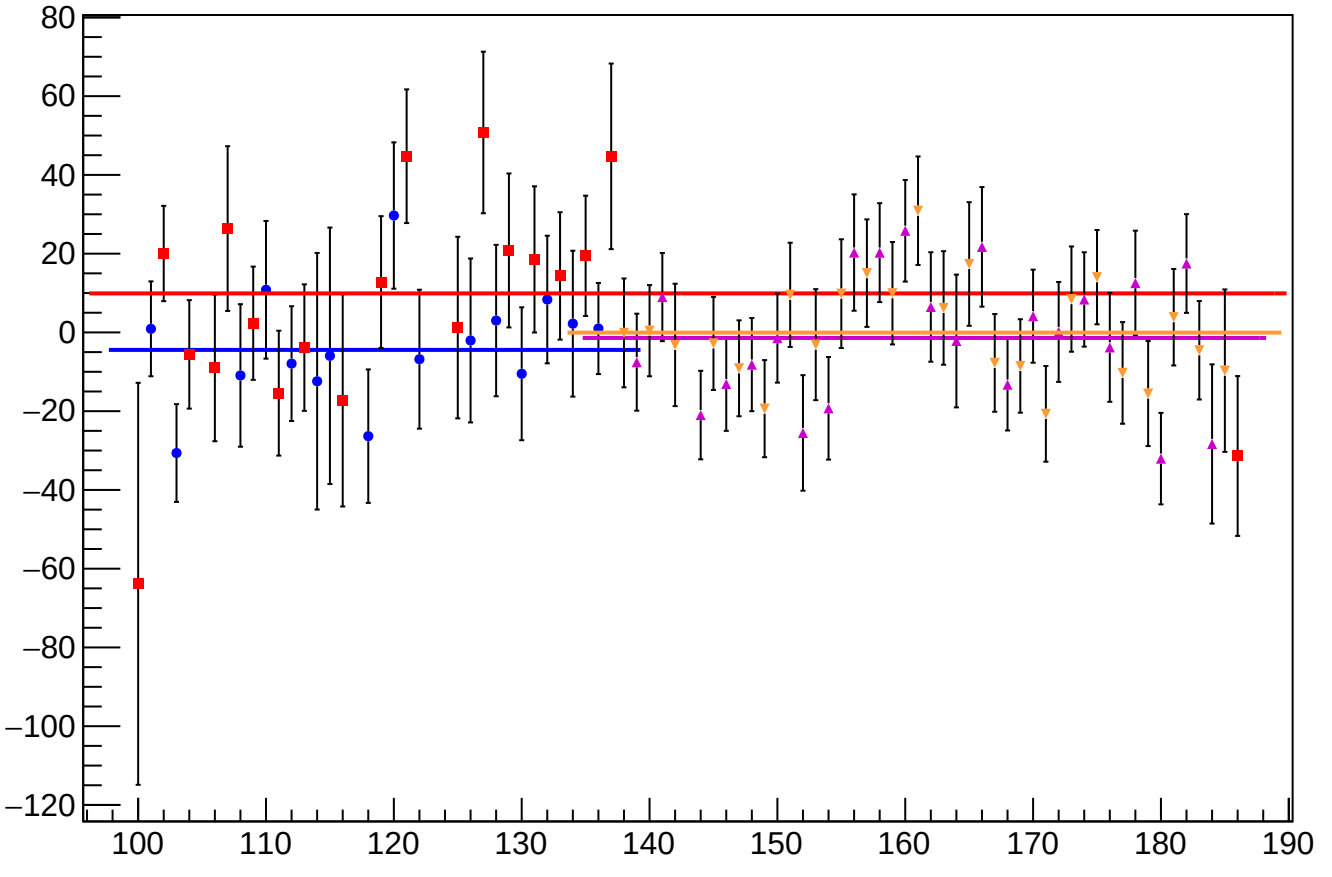
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 182.242+/-0.036 χ^2/NDF: 2961289.6/34

In: 182.124+/-0.027 χ^2/NDF:2788396.2/38

Out: 187.692+/-0.027 χ^2/NDF:3720892.5/42

All: 184.853+/-0.019 χ^2/NDF: 6530530.7/81



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

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

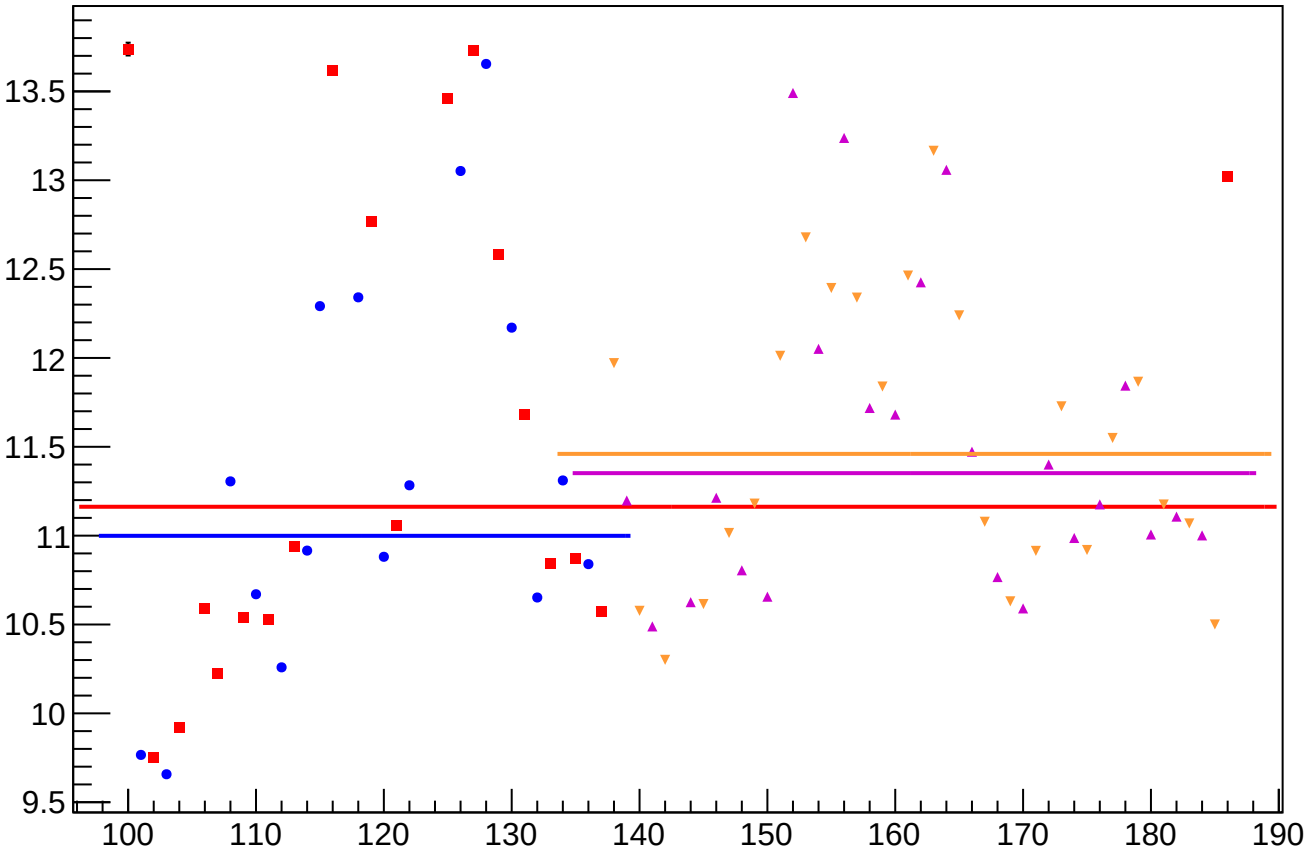
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 2.872+/-2.893 χ^2/NDF: 44.1/34

In: -2.302+/-2.245 χ^2/NDF:48.7/38

Out: 2.991+/-2.238 χ^2/NDF:50.6/42

All: 0.352+/-1.585 χ^2/NDF: 102.1/81



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

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

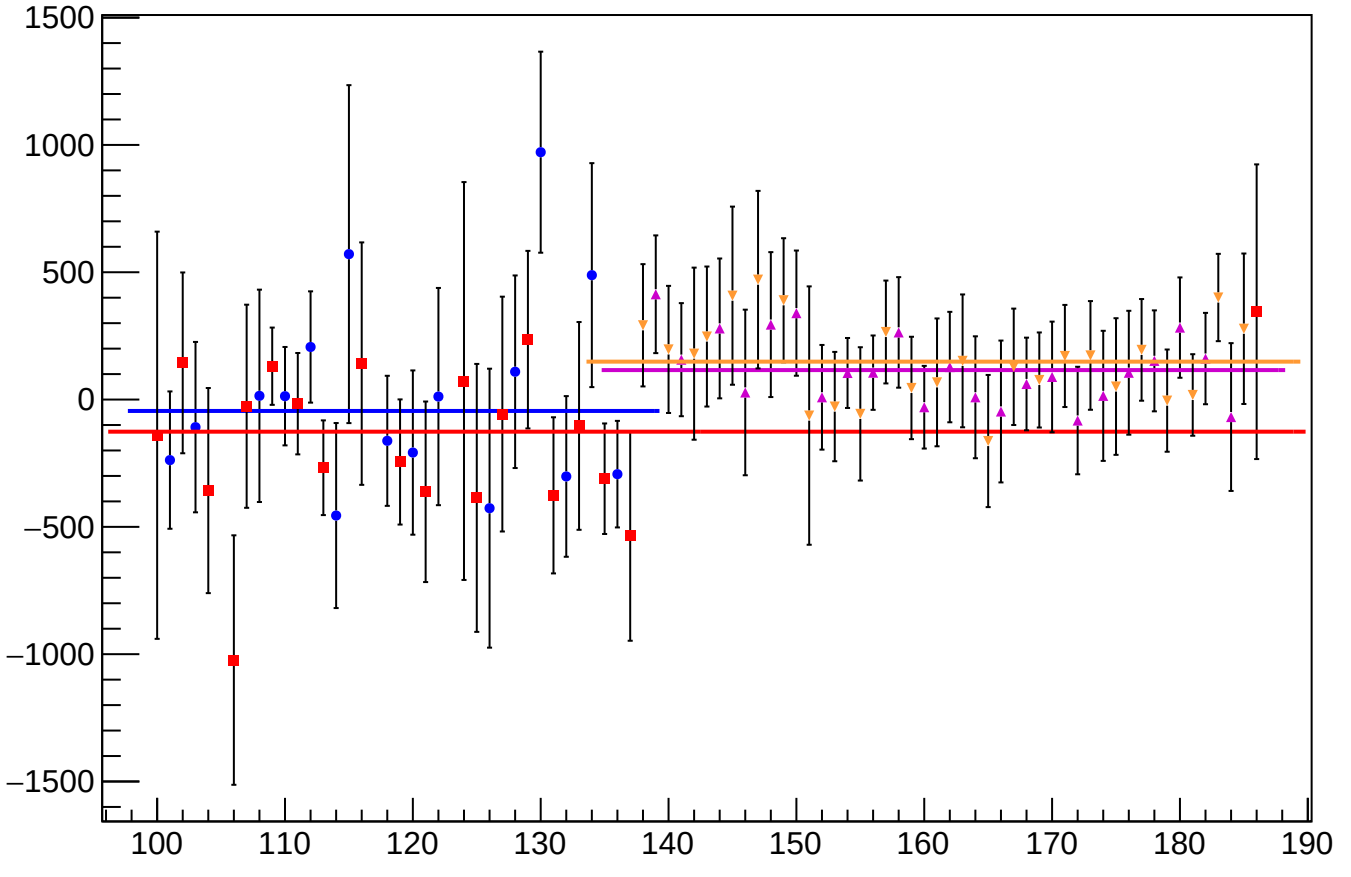
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.082+/-0.002 χ^2/NDF: 317450.3/34

In: 11.248+/-0.002 χ^2/NDF:316996.7/38

Out: 11.369+/-0.002 χ^2/NDF:337615.7/42

All: 11.309+/-0.001 χ^2/NDF: 657564.0/81



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

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

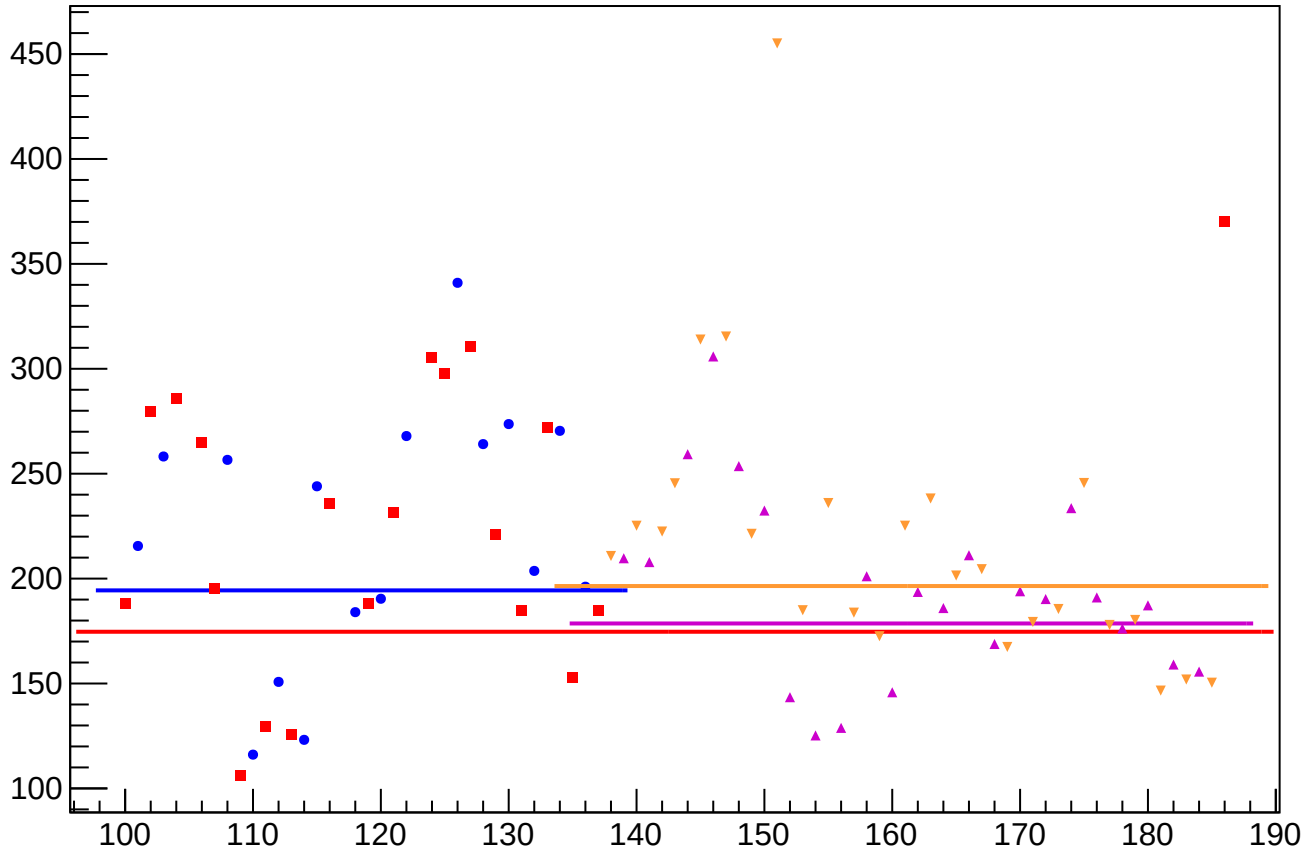
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -90.333+/-50.718 χ^2/NDF: 29.6/35

In: 76.241+/-37.897 χ^2/NDF:26.6/38

Out: 61.405+/-38.239 χ^2/NDF:35.2/44

All: 68.889+/-26.917 χ^2/NDF: 61.9/83



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

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

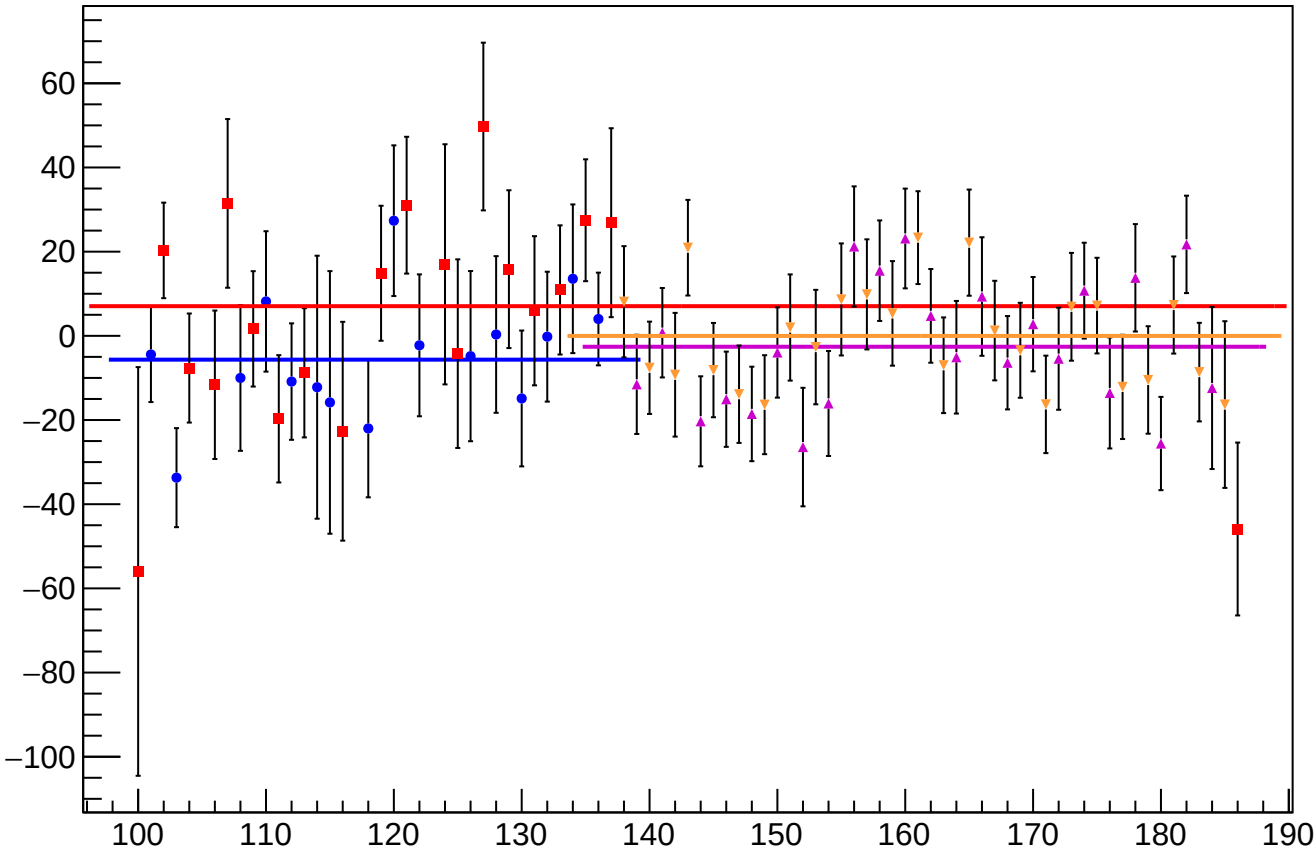
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 183.352+/-0.036 χ^2/NDF: 2998944.5/35

In: 182.492+/-0.027 χ^2/NDF:2785113.6/38

Out: 189.524+/-0.027 χ^2/NDF:3841994.7/44

All: 185.977+/-0.019 χ^2/NDF: 6661230.4/83



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

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

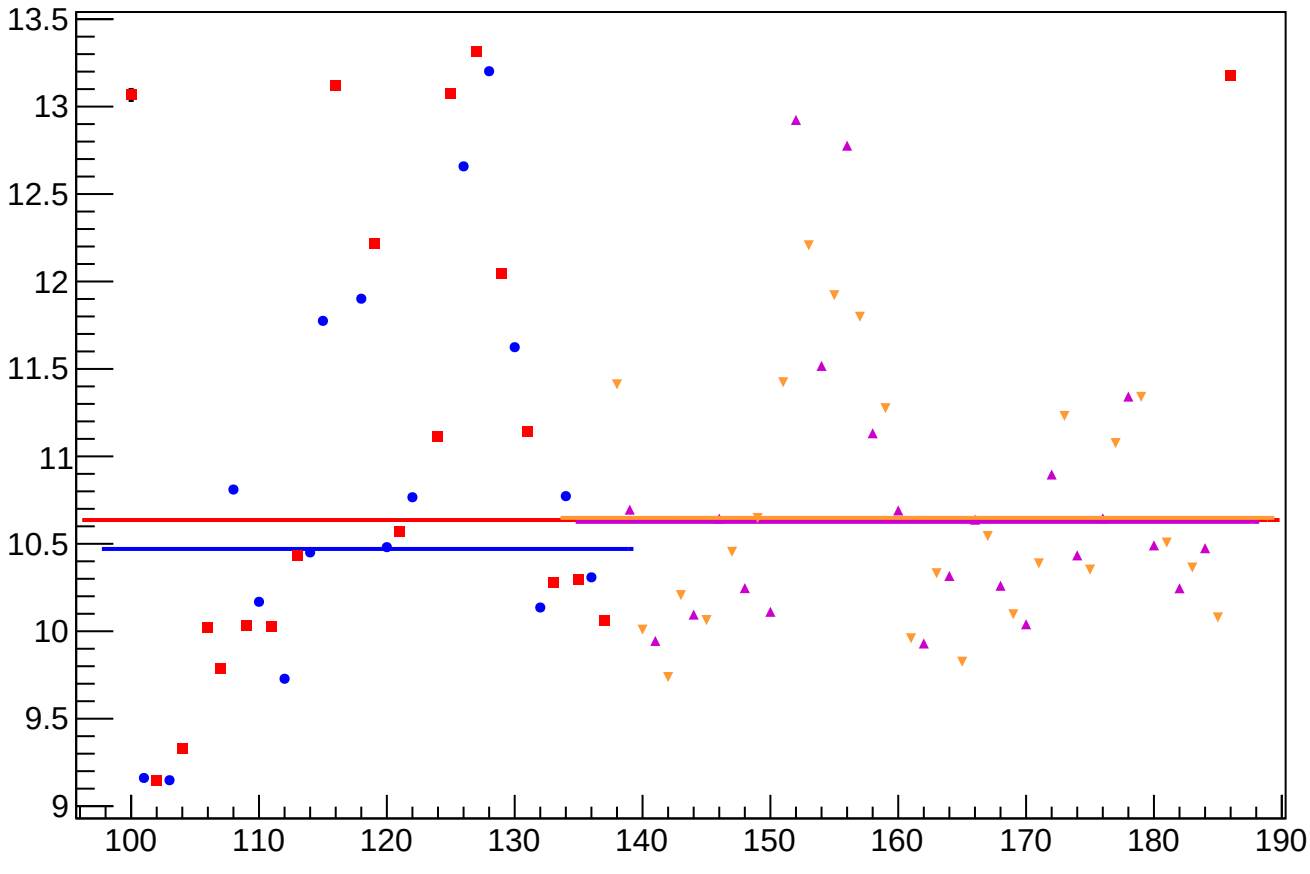
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.871+/-2.747 χ^2/NDF: 48.7/35

In: -3.474+/-2.114 χ^2/NDF:48.9/38

Out: 2.026+/-2.061 χ^2/NDF:55.8/44

All: -0.654+/-1.476 χ^2/NDF: 108.2/83



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

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

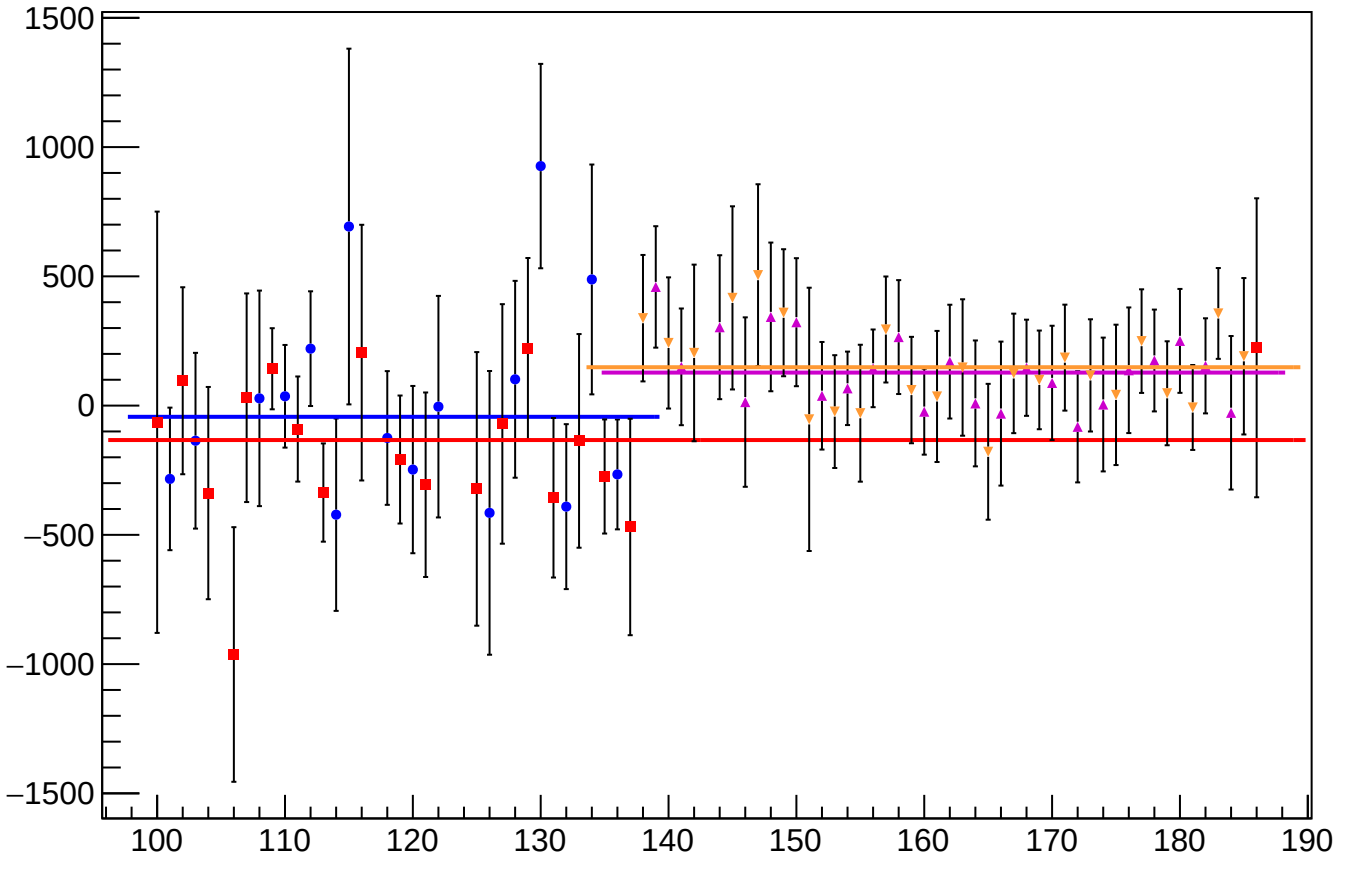
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.556+/-0.002 χ^2/NDF: 377678.8/35

In: 10.581+/-0.001 χ^2/NDF:319115.3/38

Out: 10.645+/-0.001 χ^2/NDF:362050.9/44

All: 10.614+/-0.001 χ^2/NDF: 682098.0/83



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

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

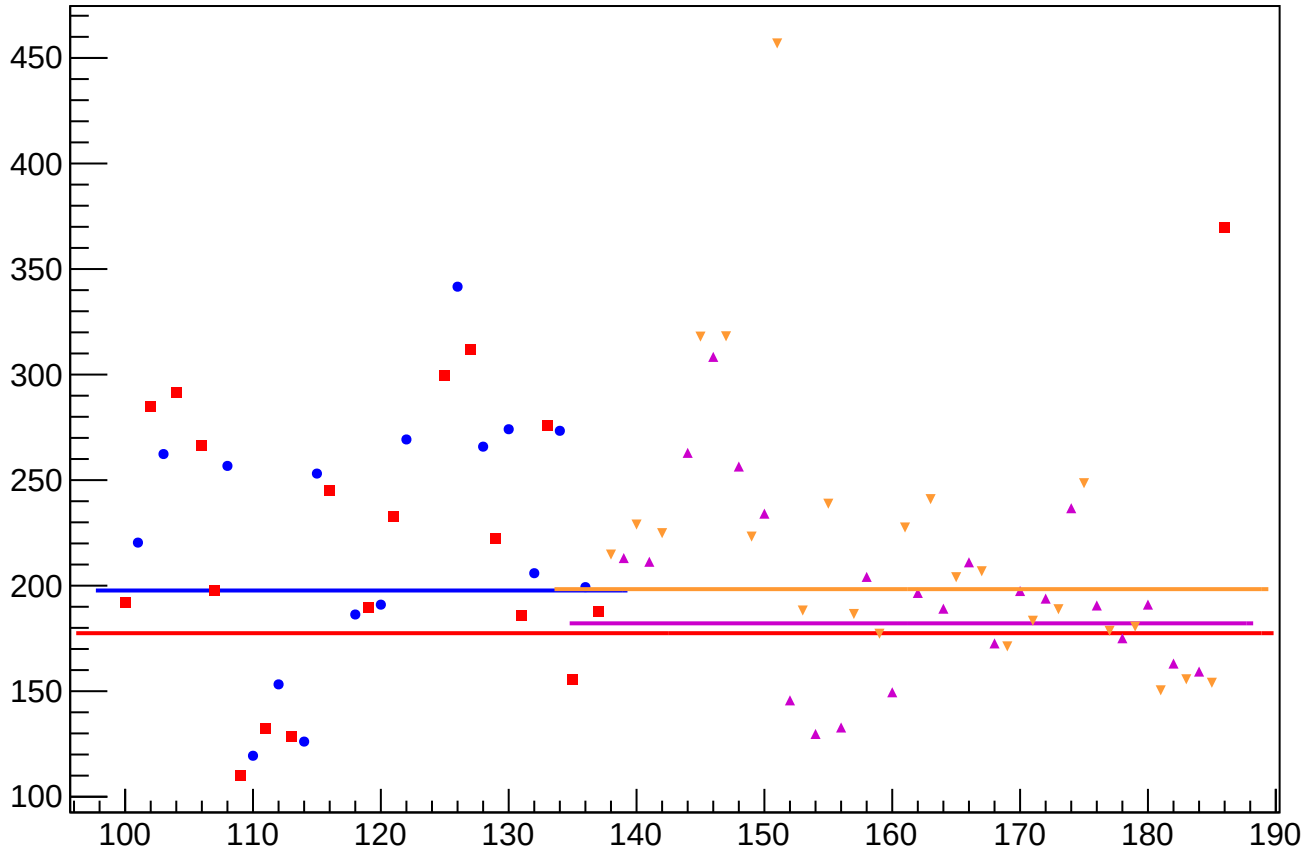
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -93.350+/-51.696 χ^2/NDF: 28.0/34

In: 85.462+/-38.553 χ^2/NDF:27.0/38

Out: 57.885+/-39.309 χ^2/NDF:32.9/42

All: 71.941+/-27.524 χ^2/NDF: 60.1/81



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

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

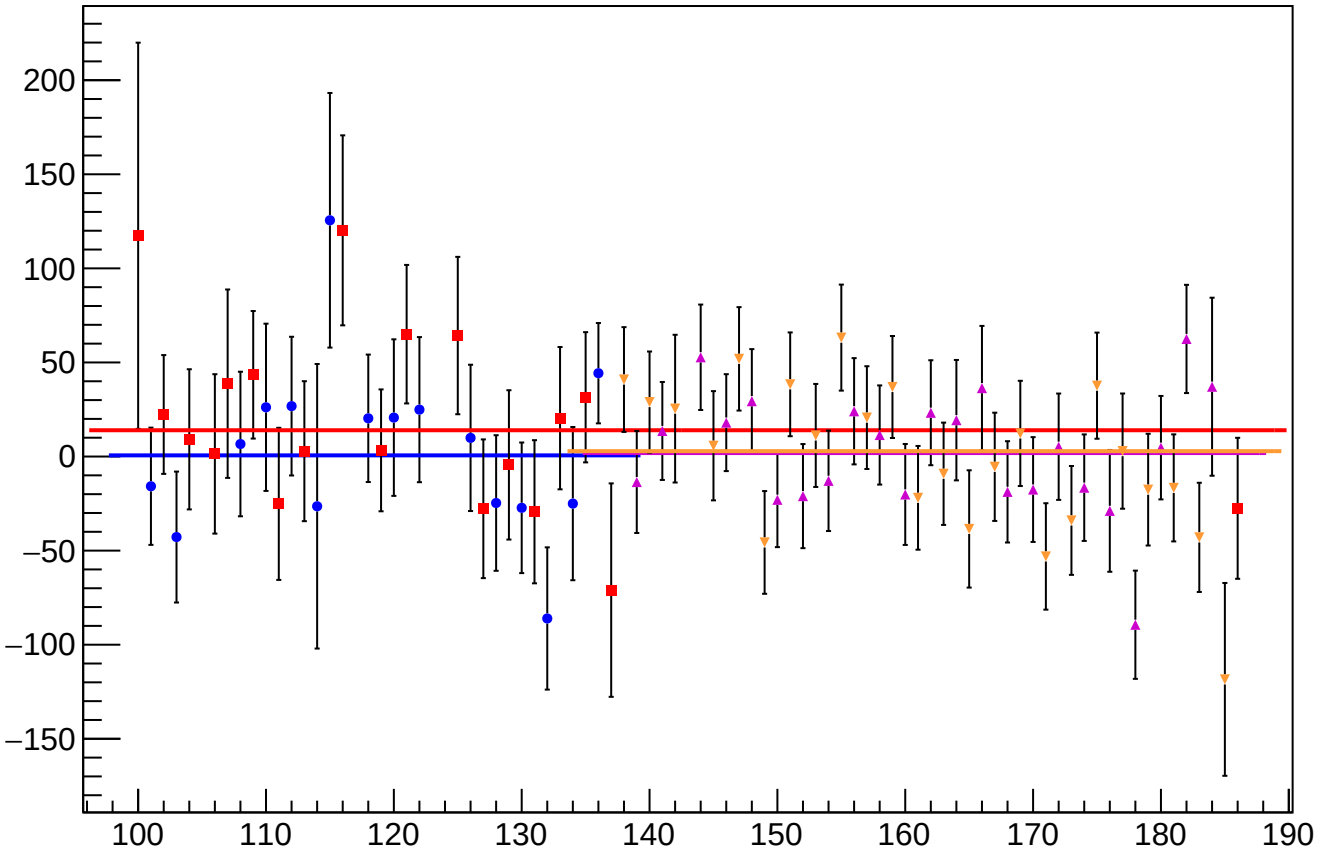
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 186.464+/-0.037 χ^2/NDF: 2835312.6/34

In: 185.992+/-0.027 χ^2/NDF:2645242.4/38

Out: 191.643+/-0.028 χ^2/NDF:3579425.2/42

All: 188.763+/-0.019 χ^2/NDF: 6245741.9/81



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

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

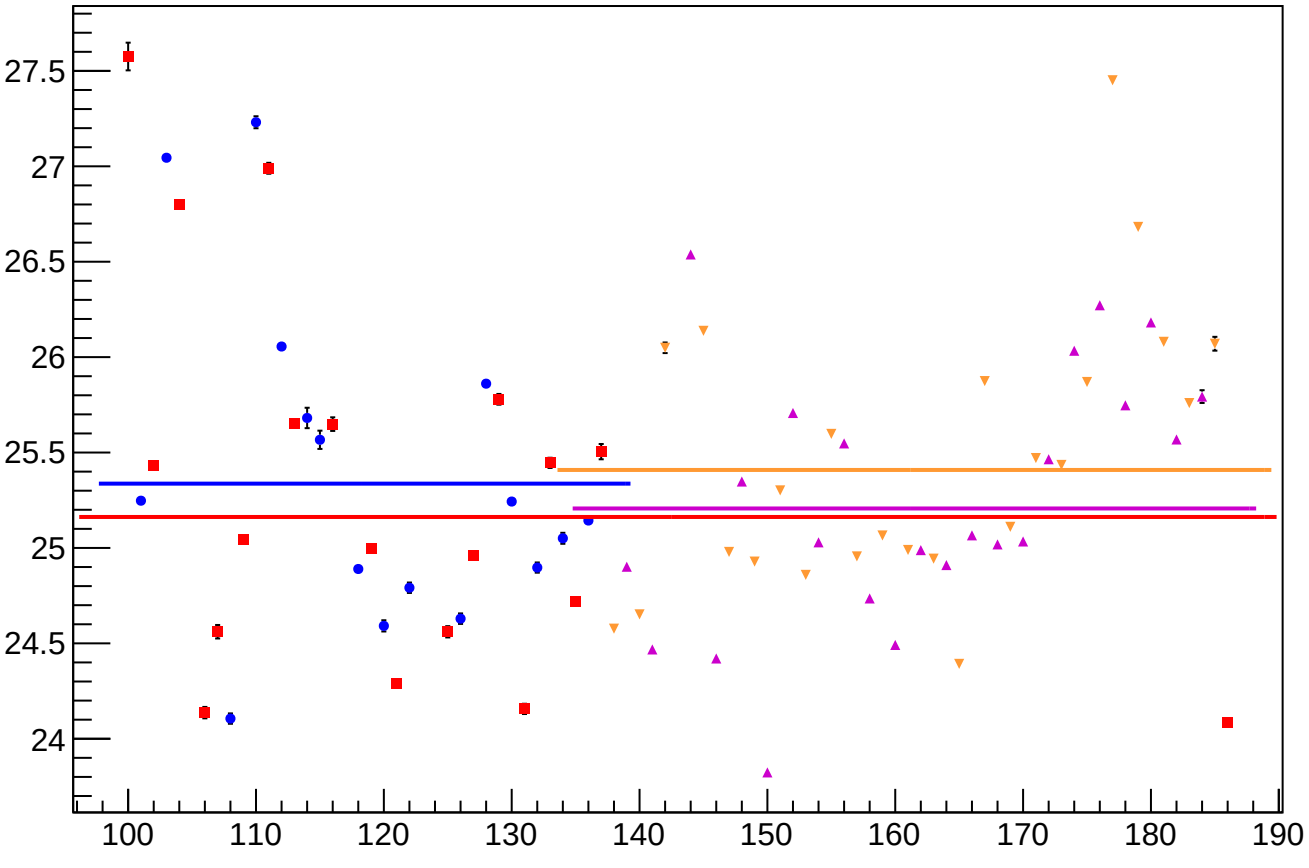
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 7.578+/-6.520 χ^2/NDF: 35.5/34

In: 1.504+/-4.996 χ^2/NDF:44.8/38

Out: 6.181+/-4.942 χ^2/NDF:55.6/42

All: 3.868+/-3.514 χ^2/NDF: 100.9/81



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

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

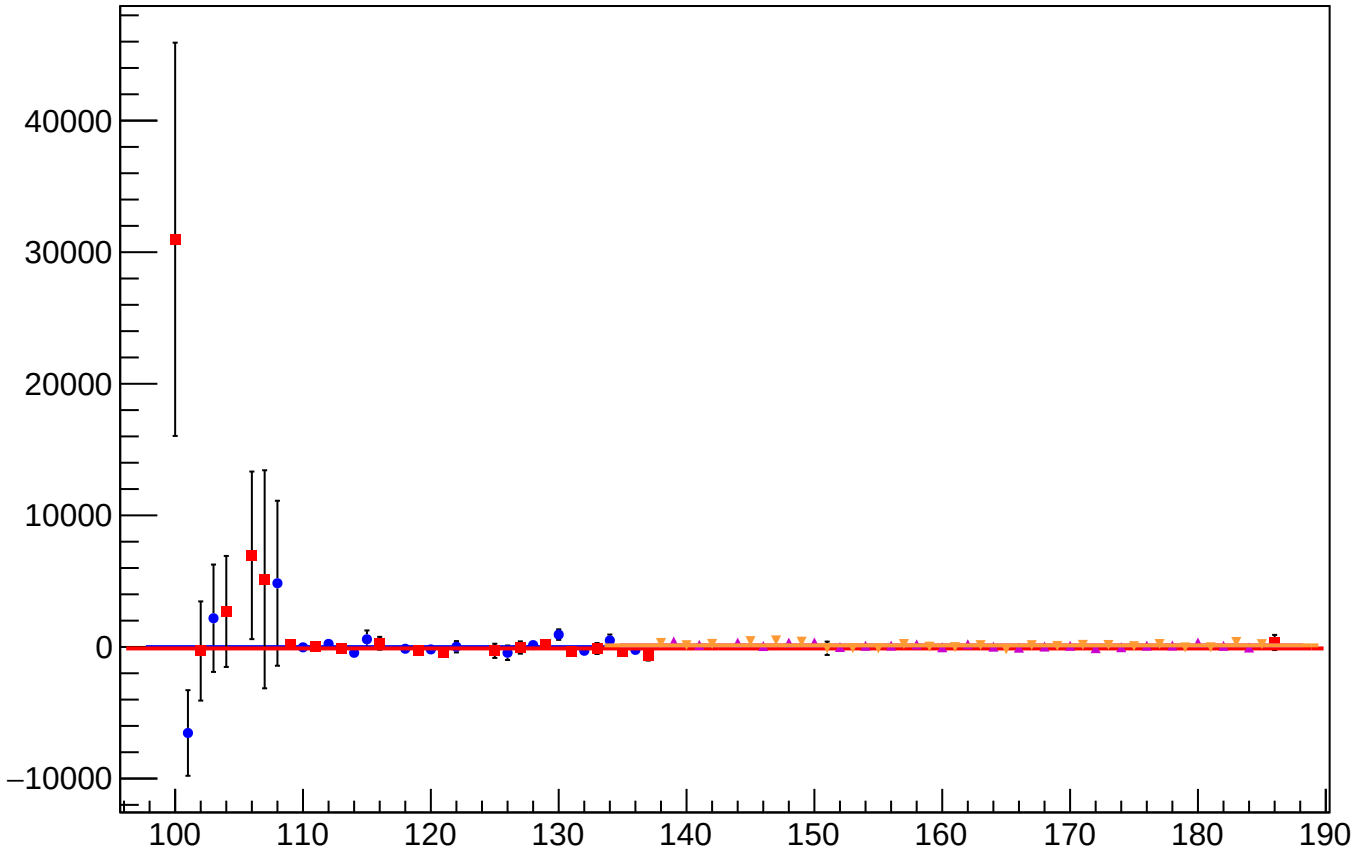
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 25.246+/-0.005 χ^2/NDF: 31604.2/34

In: 25.243+/-0.004 χ^2/NDF:40416.9/38

Out: 25.335+/-0.003 χ^2/NDF:44837.3/42

All: 25.290+/-0.002 χ^2/NDF: 85593.3/81



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

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

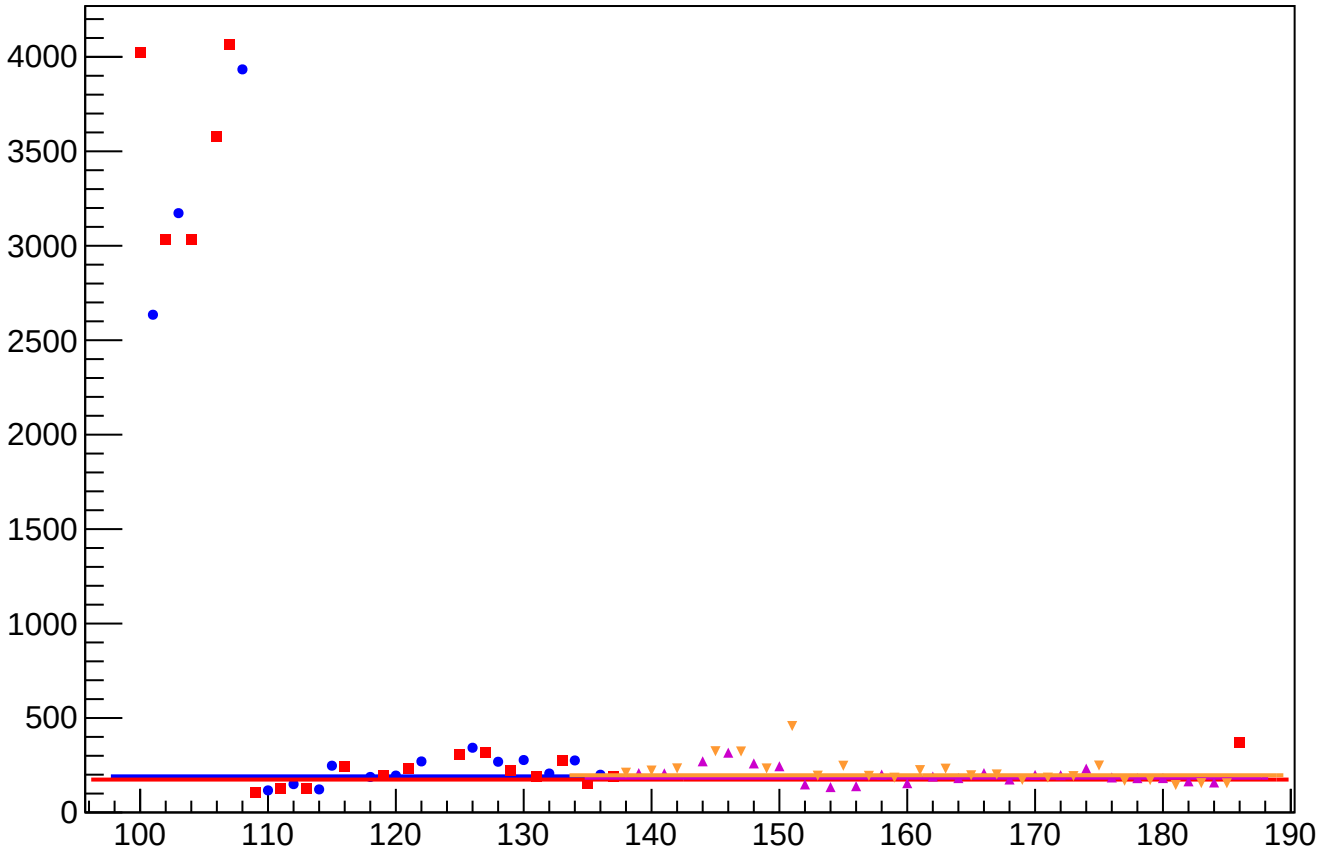
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -66.595+/-57.115 χ^2/NDF: 34.1/34

In: 87.840+/-39.567 χ^2/NDF:28.6/38

Out: 57.065+/-40.466 χ^2/NDF:33.5/42

All: 72.799+/-28.291 χ^2/NDF: 62.3/81



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

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

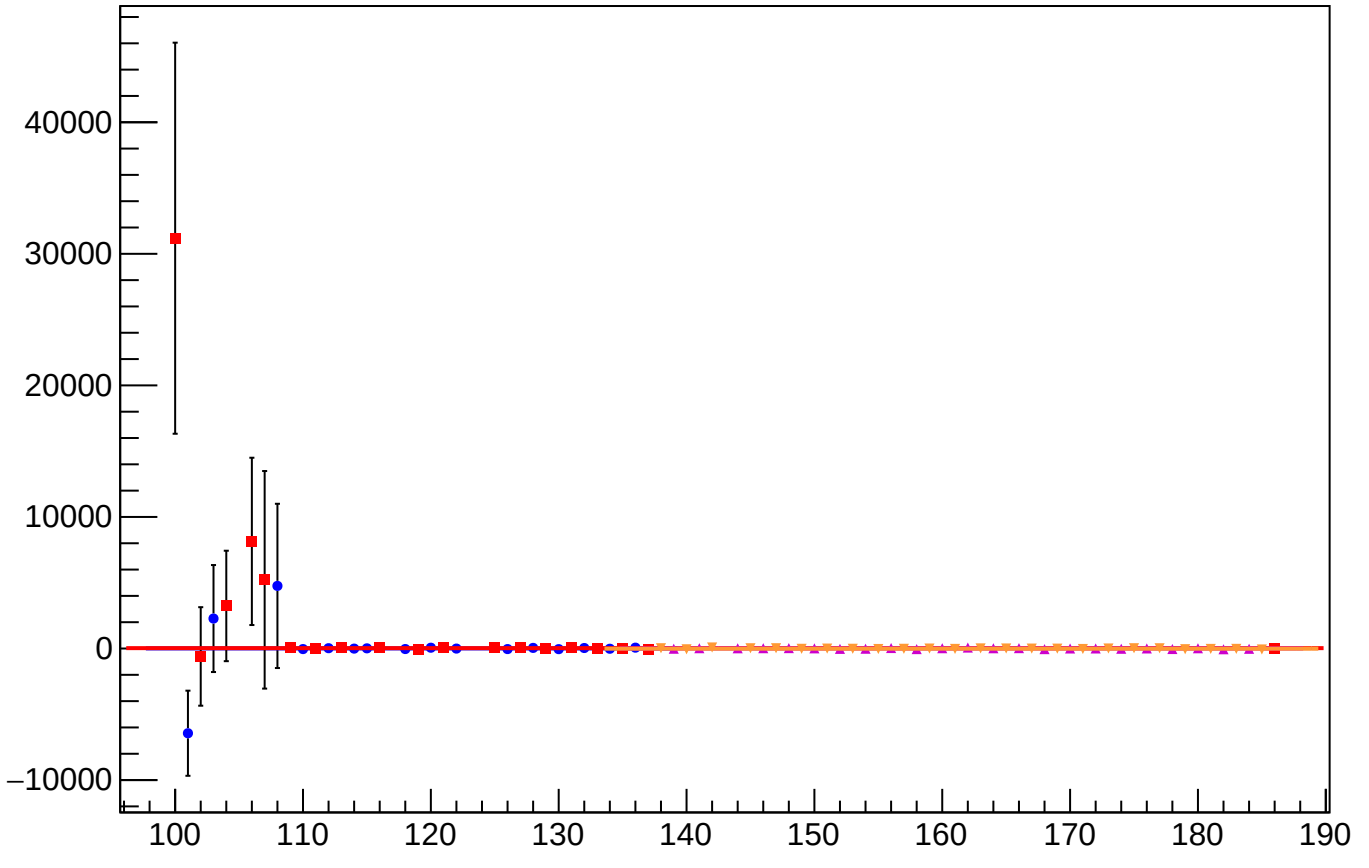
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 181.850+/-0.040 χ^2/NDF: 8364226.7/34

In: 185.591+/-0.028 χ^2/NDF:5290160.7/38

Out: 190.709+/-0.029 χ^2/NDF:6422068.2/42

All: 188.093+/-0.020 χ^2/NDF: 11728583.7/81



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

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

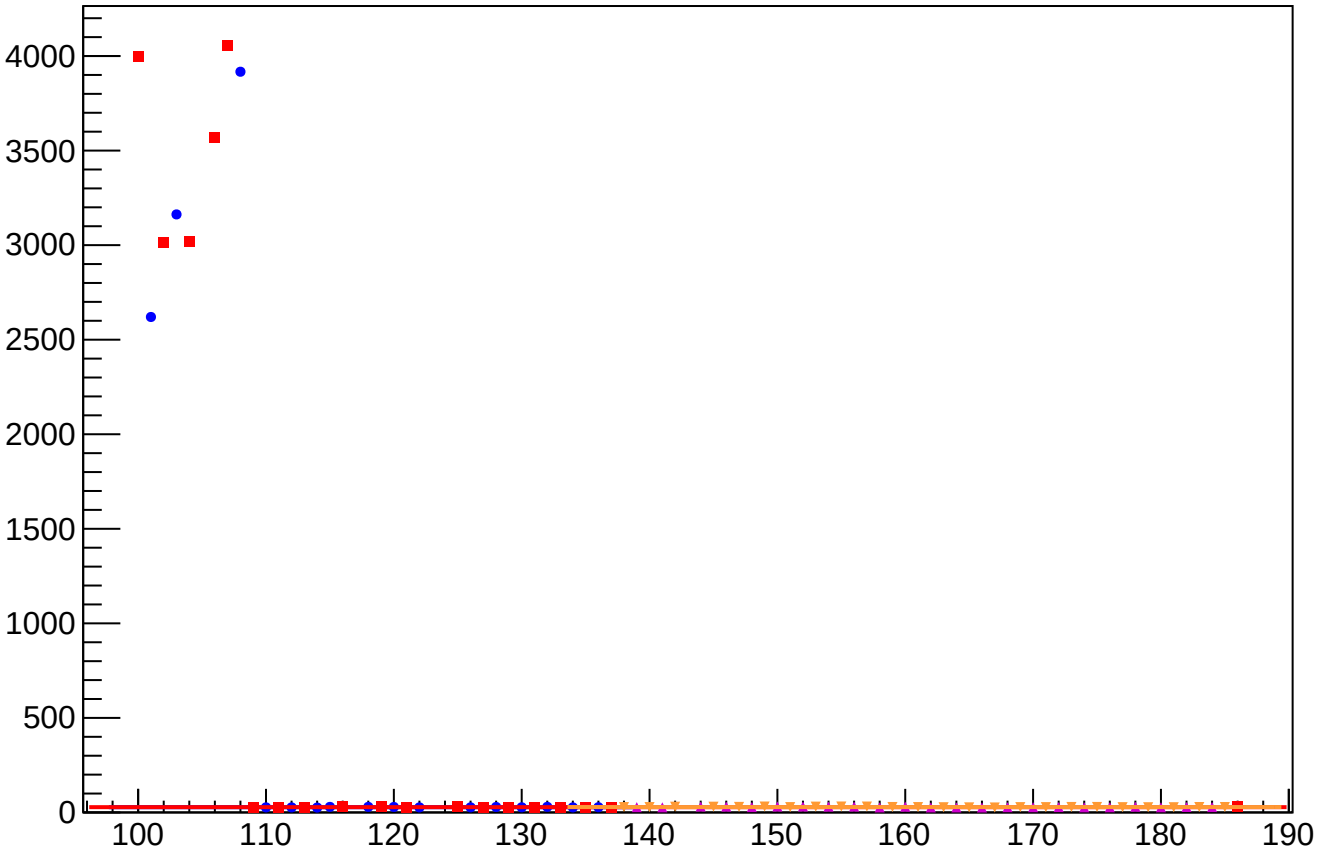
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 17.467+/-8.306 χ^2/NDF: 40.6/34

In: 3.542+/-5.843 χ^2/NDF:40.5/38

Out: -1.498+/-5.787 χ^2/NDF:46.6/42

All: 0.997+/-4.112 χ^2/NDF: 87.5/81



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

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

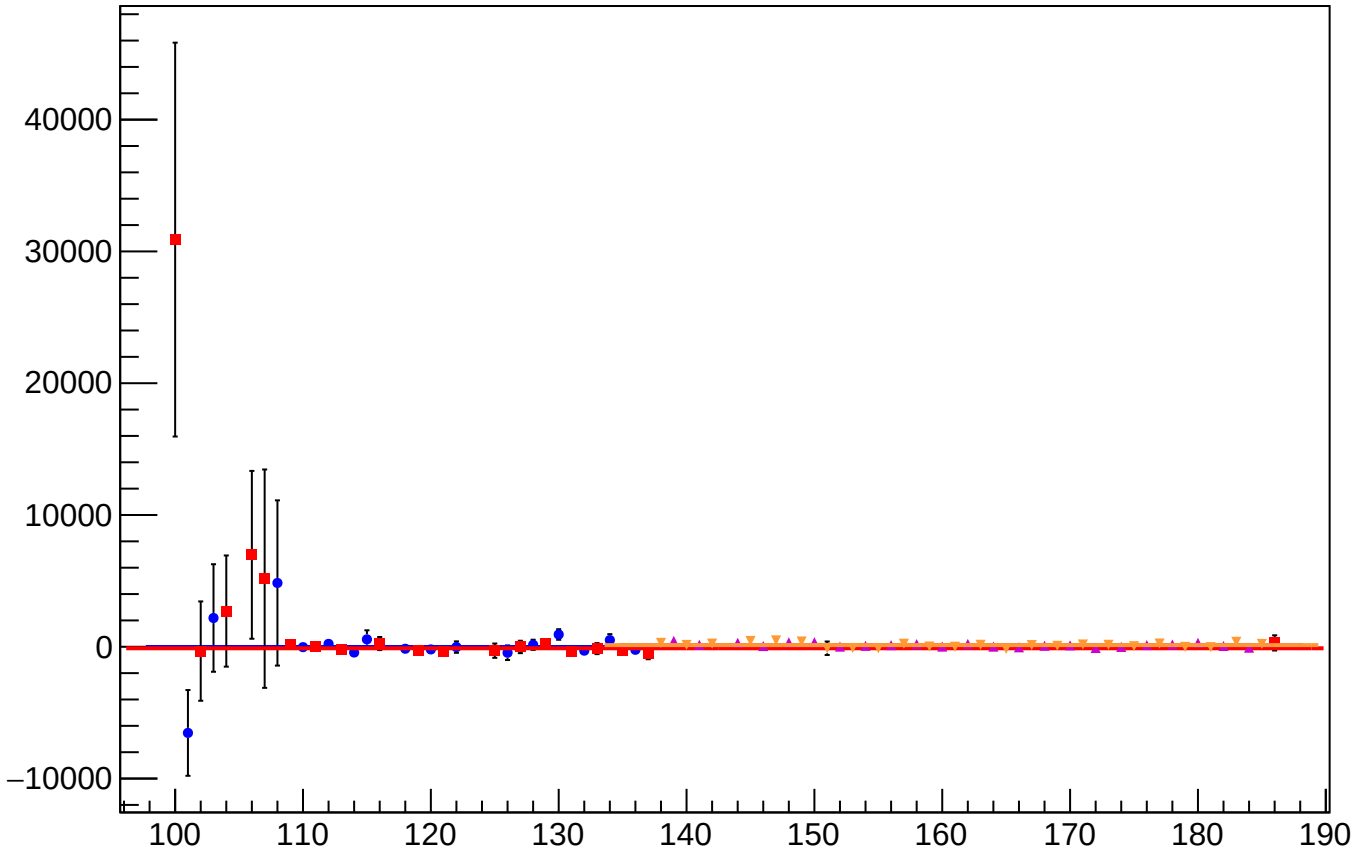
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.904+/-0.006 χ^2/NDF: 6834382.0/34

In: 28.505+/-0.004 χ^2/NDF:3402151.2/38

Out: 28.444+/-0.004 χ^2/NDF:3653386.5/42

All: 28.474+/-0.003 χ^2/NDF: 7055647.7/81



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

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

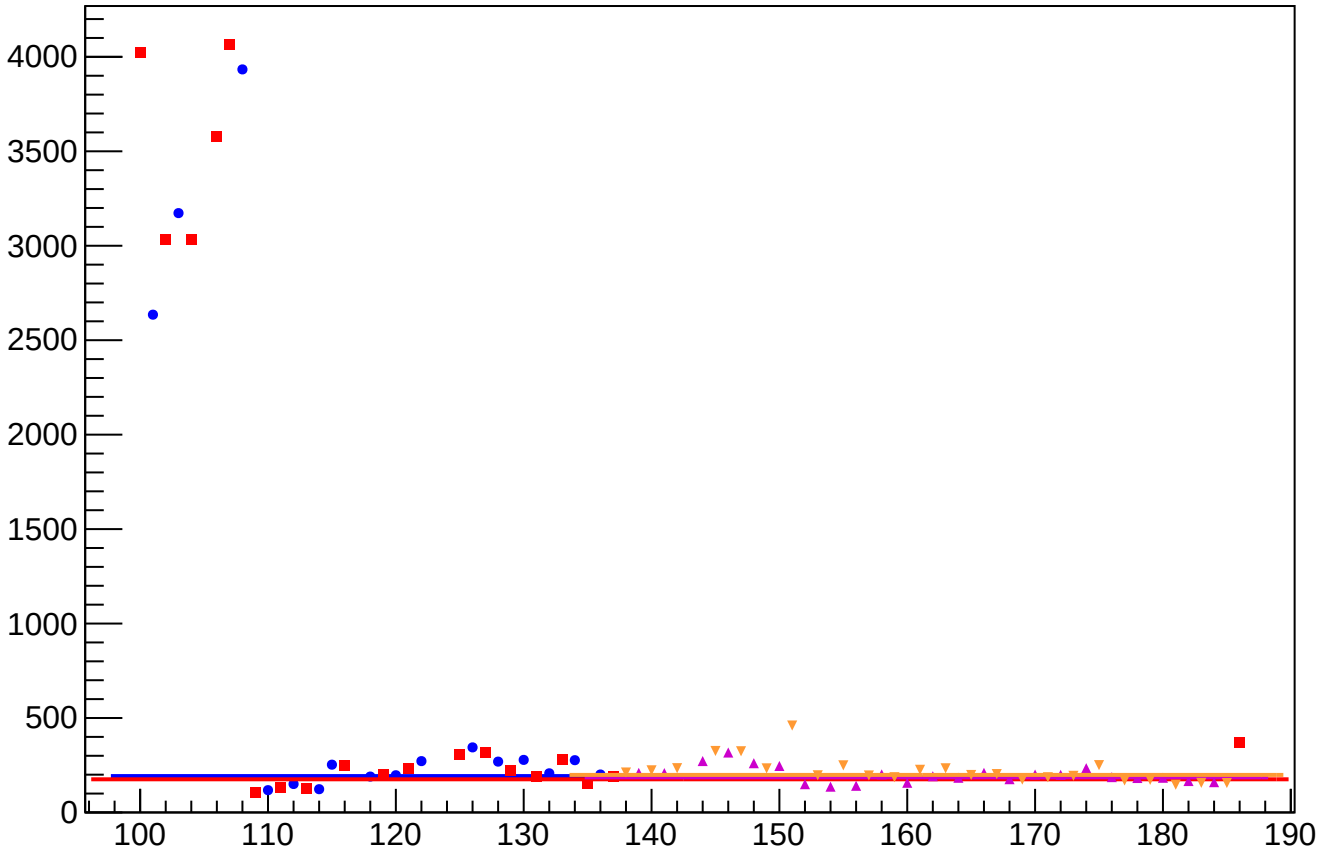
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -70.740+/-57.536 χ^2/NDF: 32.6/34

In: 91.471+/-39.914 χ^2/NDF:28.3/38

Out: 60.803+/-40.805 χ^2/NDF:32.2/42

All: 76.476+/-28.533 χ^2/NDF: 60.9/81



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

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

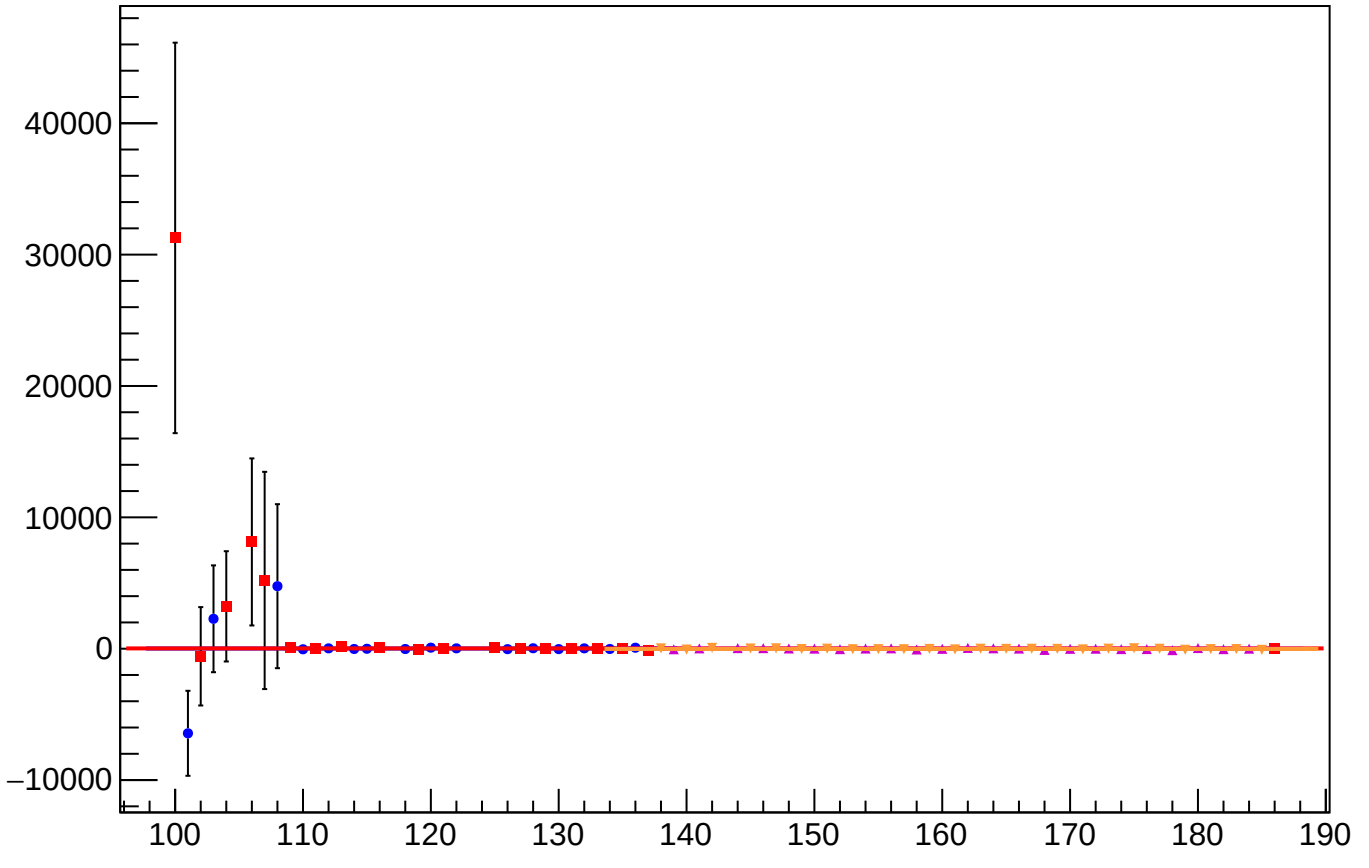
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 183.313+/-0.041 χ^2/NDF: 8343253.1/34

In: 187.344+/-0.028 χ^2/NDF:5237957.6/38

Out: 192.400+/-0.029 χ^2/NDF:6391815.2/42

All: 189.816+/-0.020 χ^2/NDF: 11645463.3/81



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

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

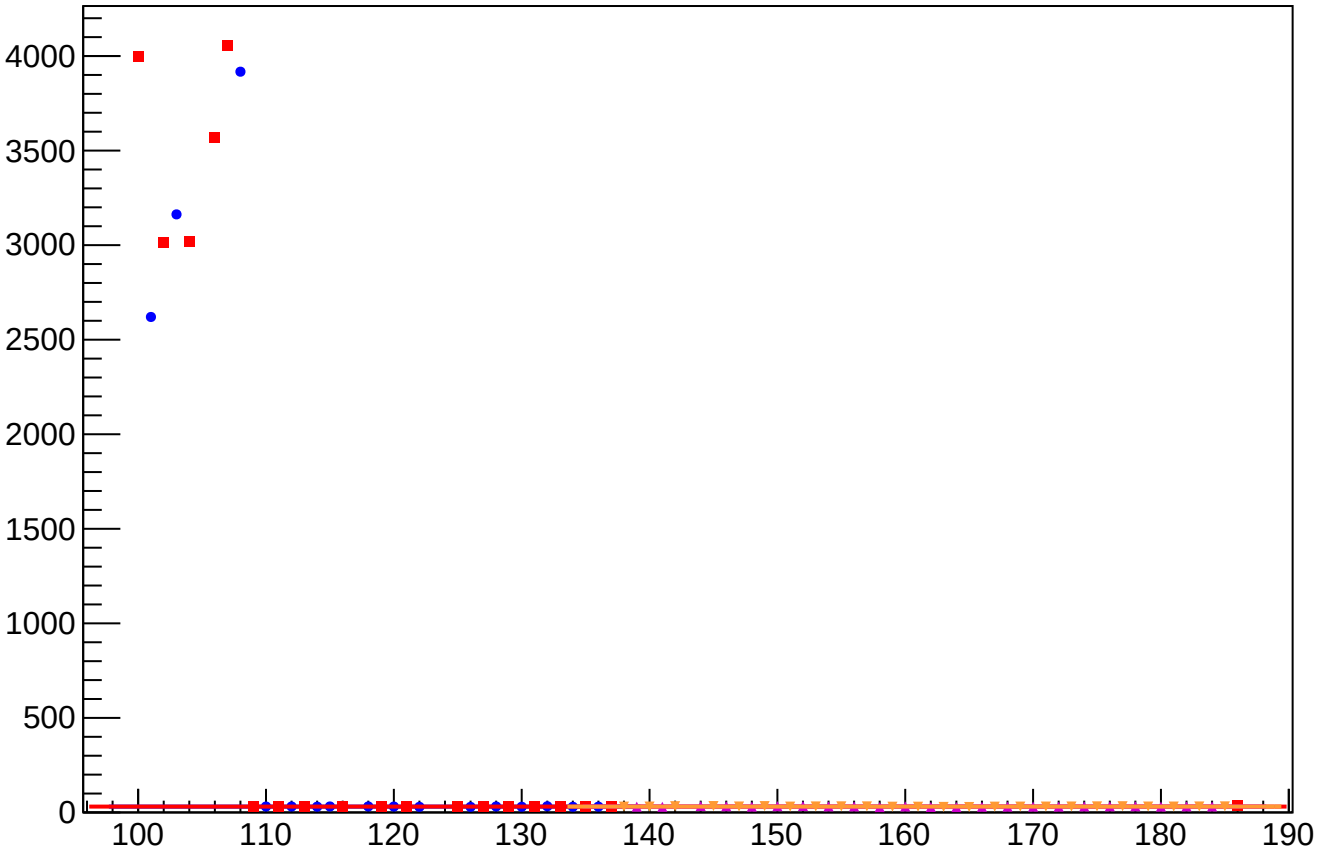
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 18.327+/-9.209 χ^2/NDF: 44.2/34

In: 1.238+/-6.404 χ^2/NDF:52.2/38

Out: -8.407+/-6.337 χ^2/NDF:56.4/42

All: -3.635+/-4.504 χ^2/NDF: 109.7/81



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

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

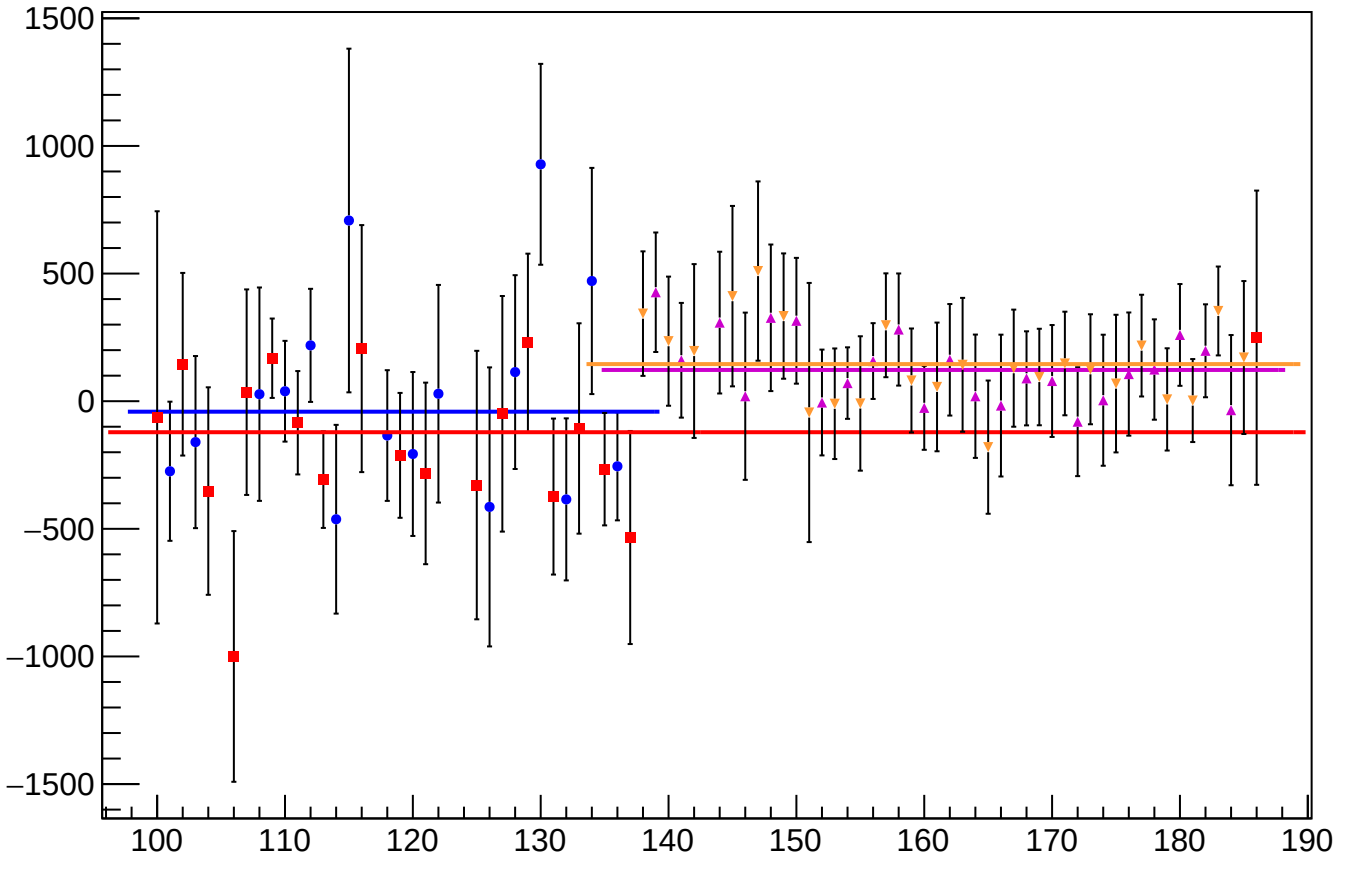
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.975+/-0.007 χ^2/NDF: 6797607.6/34

In: 31.271+/-0.005 χ^2/NDF:3339649.0/38

Out: 31.174+/-0.004 χ^2/NDF:3592735.9/42

All: 31.222+/-0.003 χ^2/NDF: 6932618.0/81



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

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

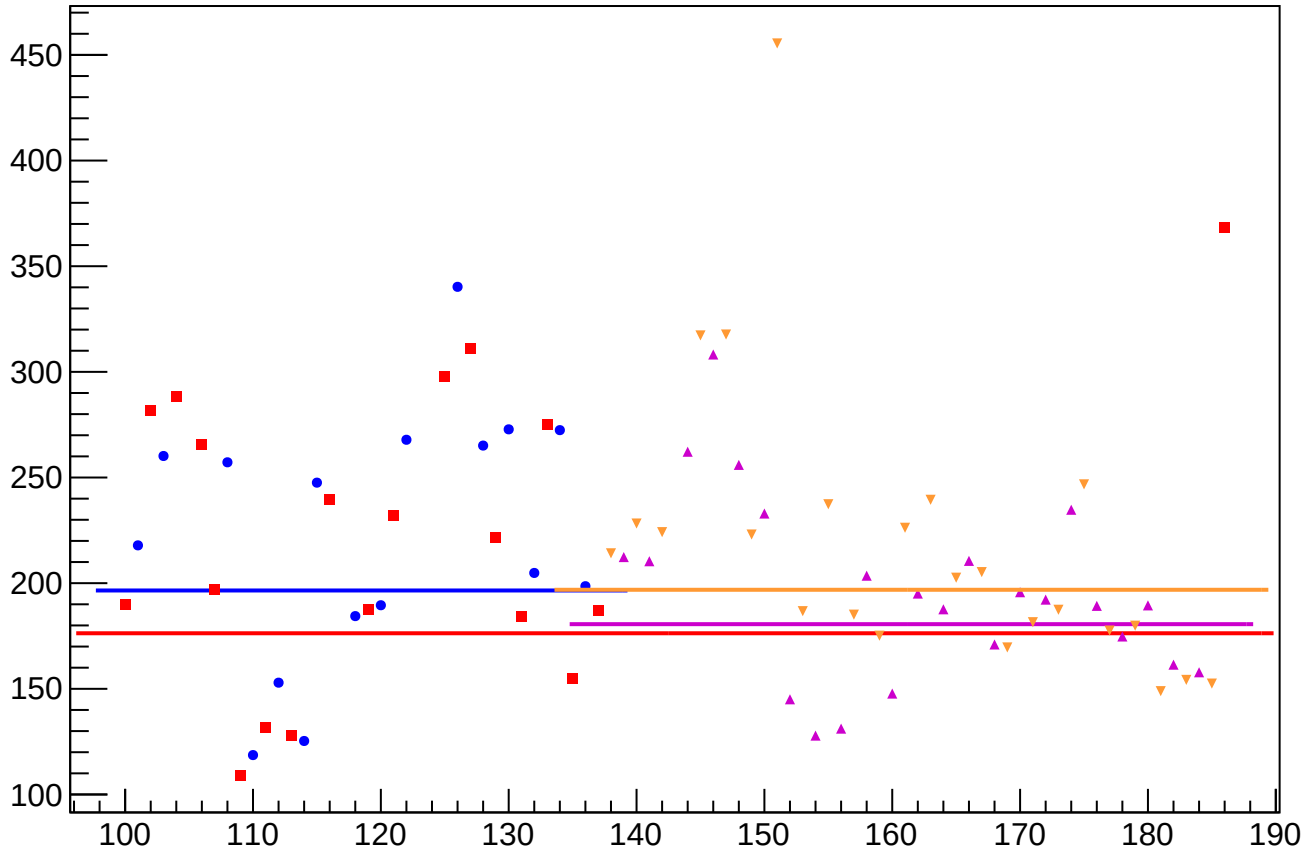
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -85.853+/-51.380 χ^2/NDF: 29.4/34

In: 82.130+/-38.273 χ^2/NDF:26.9/38

Out: 59.591+/-39.043 χ^2/NDF:32.7/42

All: 71.085+/-27.331 χ^2/NDF: 59.8/81



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

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

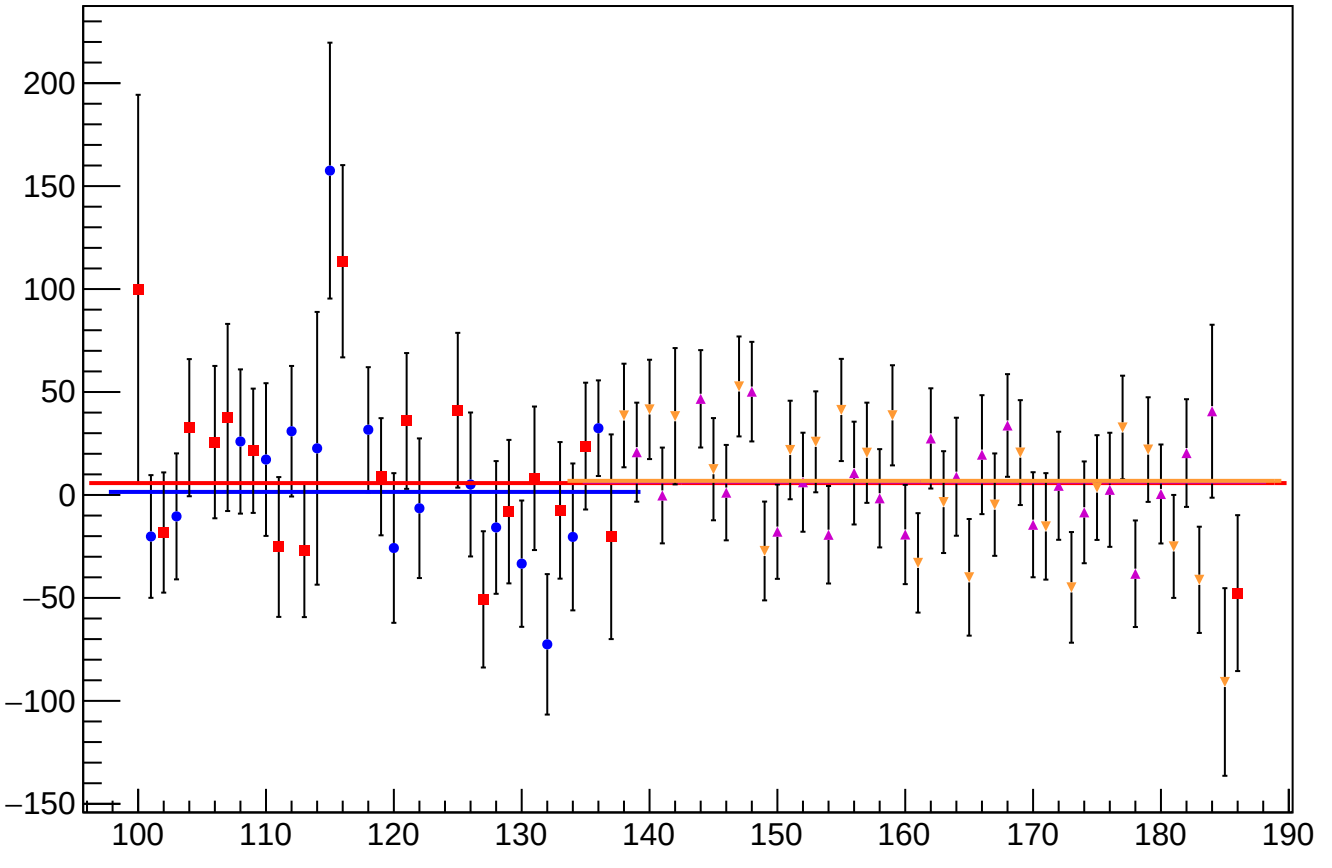
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 185.278+/-0.036 χ^2/NDF: 2835899.3/34

In: 184.525+/-0.027 χ^2/NDF:2693226.3/38

Out: 190.262+/-0.028 χ^2/NDF:3604719.8/42

All: 187.337+/-0.019 χ^2/NDF: 6319967.1/81



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

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

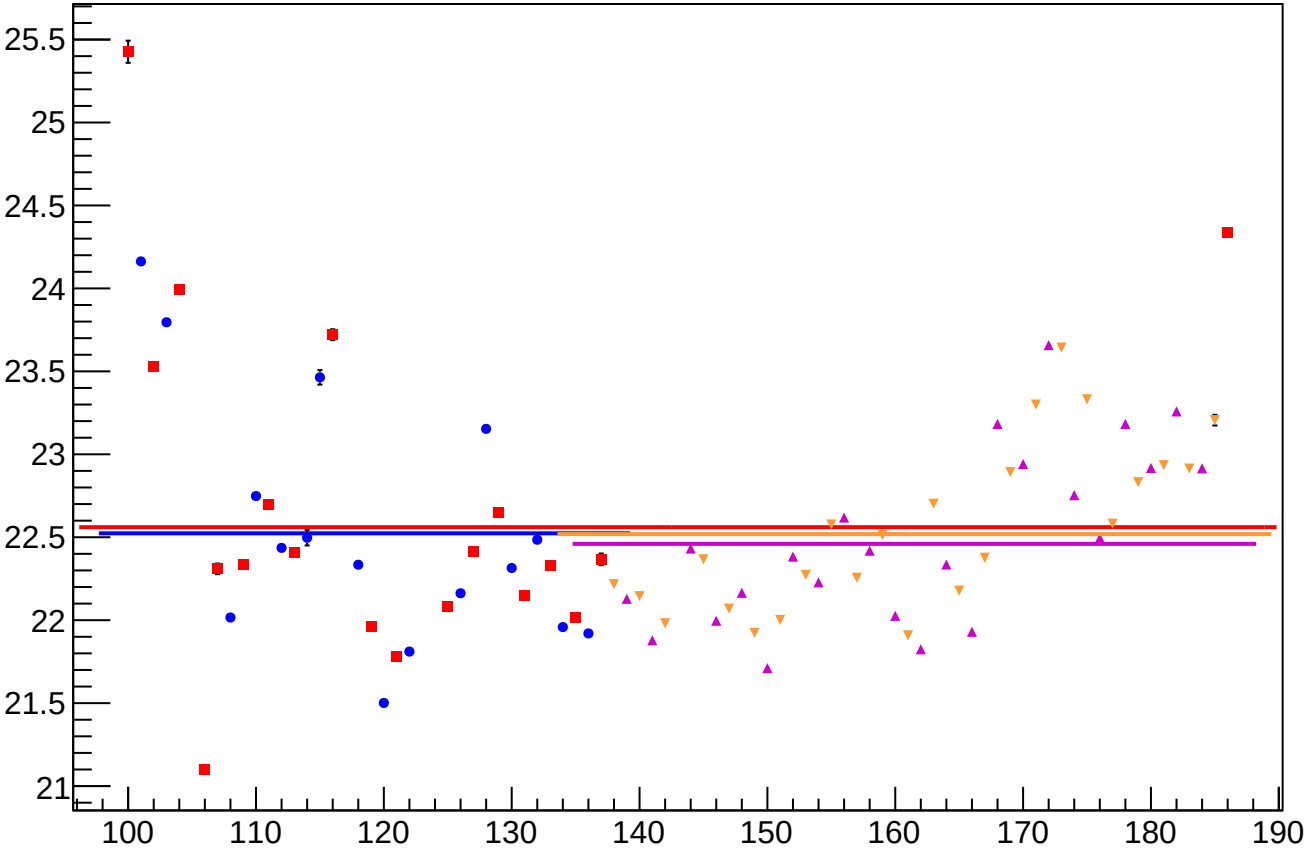
Right: 3.694+/-5.819 χ^2/NDF: 36.9/34

In: 5.070+/-4.445 χ^2/NDF:36.4/38

Out: 6.537+/-4.392 χ^2/NDF:55.0/42

All: 5.812+/-3.124 χ^2/NDF: 91.4/81

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.519+/-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

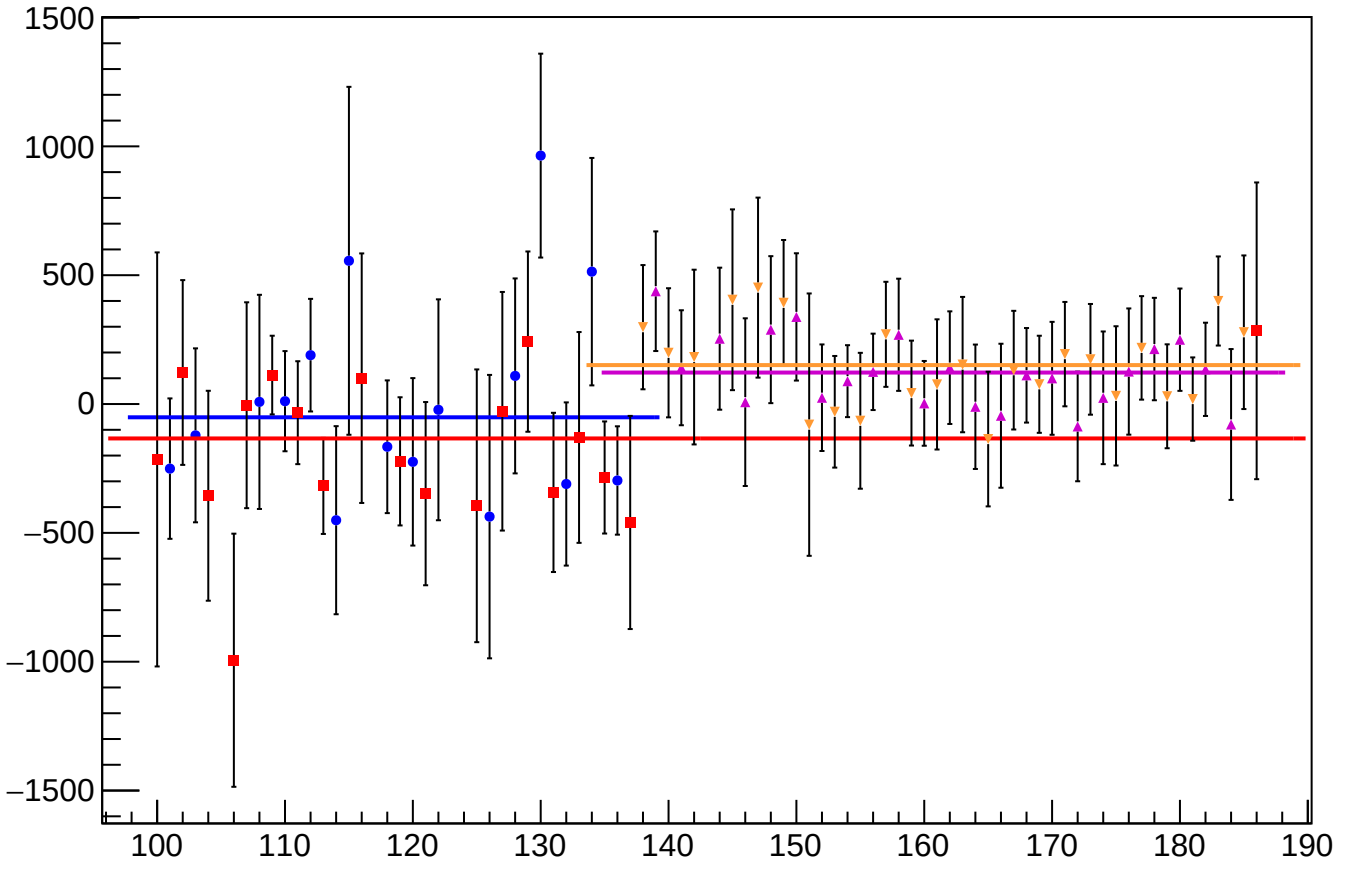
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.543+/-0.004 χ^2/NDF: 36120.7/34

In: 22.478+/-0.003 χ^2/NDF:35147.2/38

Out: 22.531+/-0.003 χ^2/NDF:36188.3/42

All: 22.505+/-0.002 χ^2/NDF: 71480.4/81



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

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

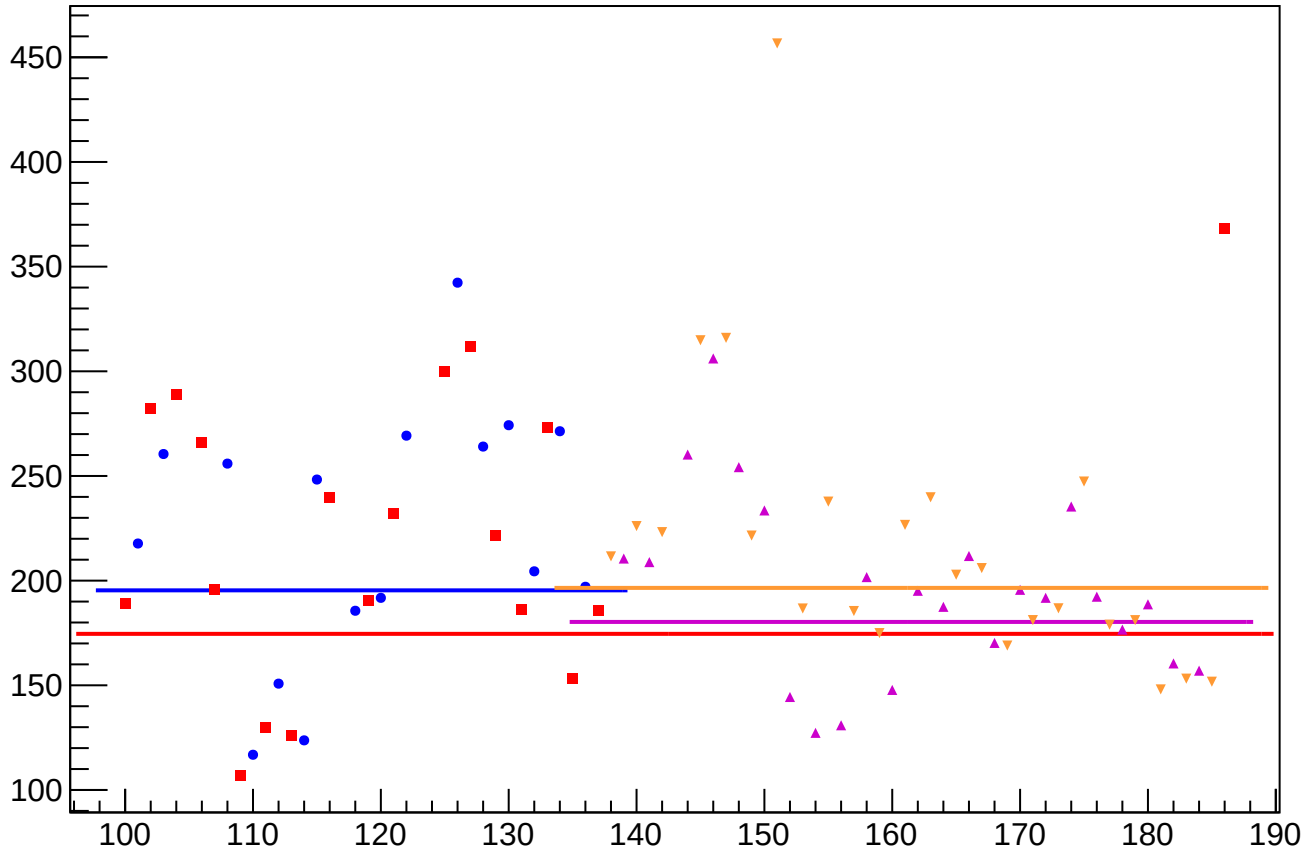
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -97.260+/-51.078 χ^2/NDF: 28.1/34

In: 79.240+/-38.182 χ^2/NDF:26.7/38

Out: 58.974+/-38.913 χ^2/NDF:33.8/42

All: 69.299+/-27.253 χ^2/NDF: 60.6/81



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

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

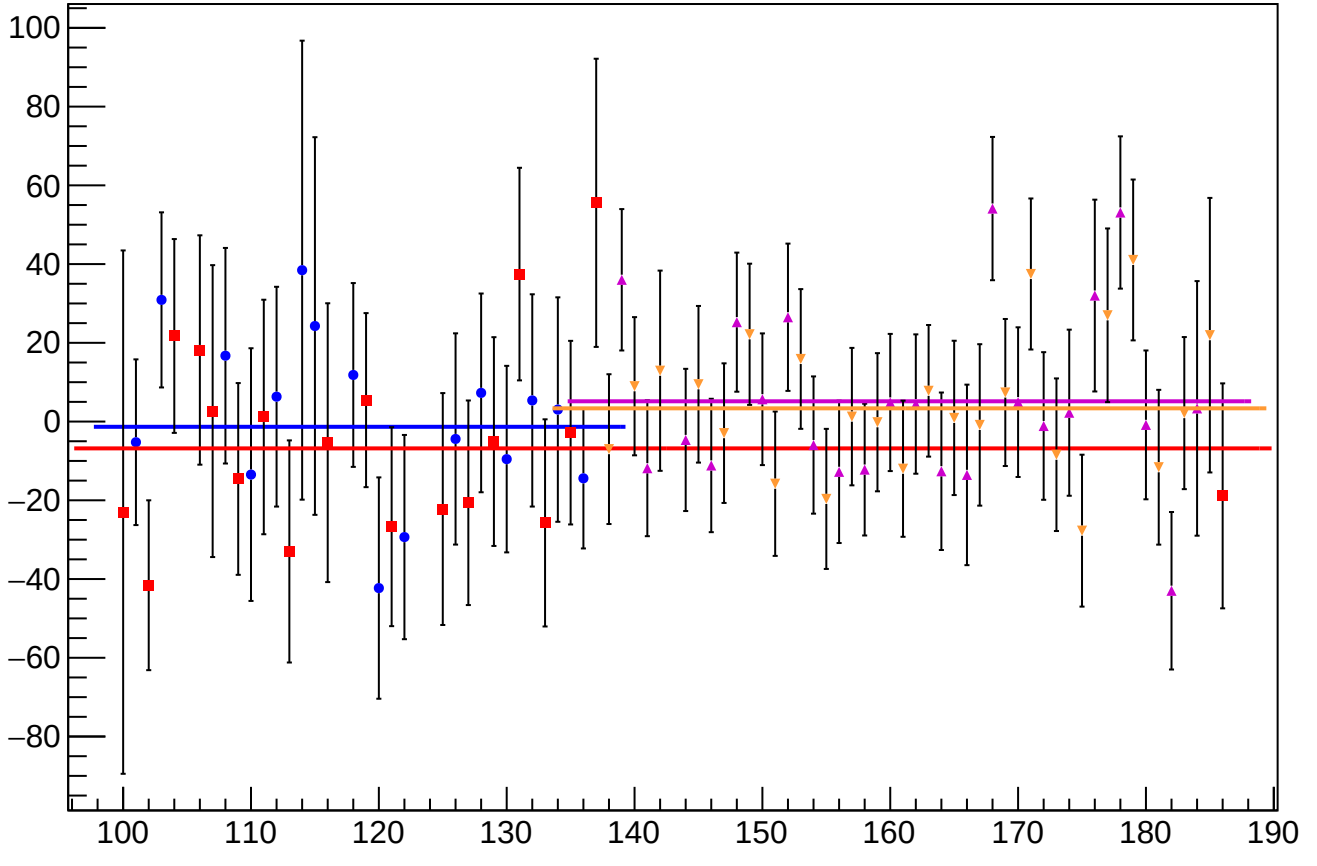
Right: 183.772+/-0.036 χ^2/NDF: 2953460.8/34

In: 184.003+/-0.027 χ^2/NDF:2724218.6/38

Out: 189.428+/-0.028 χ^2/NDF:3697608.3/42

All: 186.664+/-0.019 χ^2/NDF: 6441625.8/81

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

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

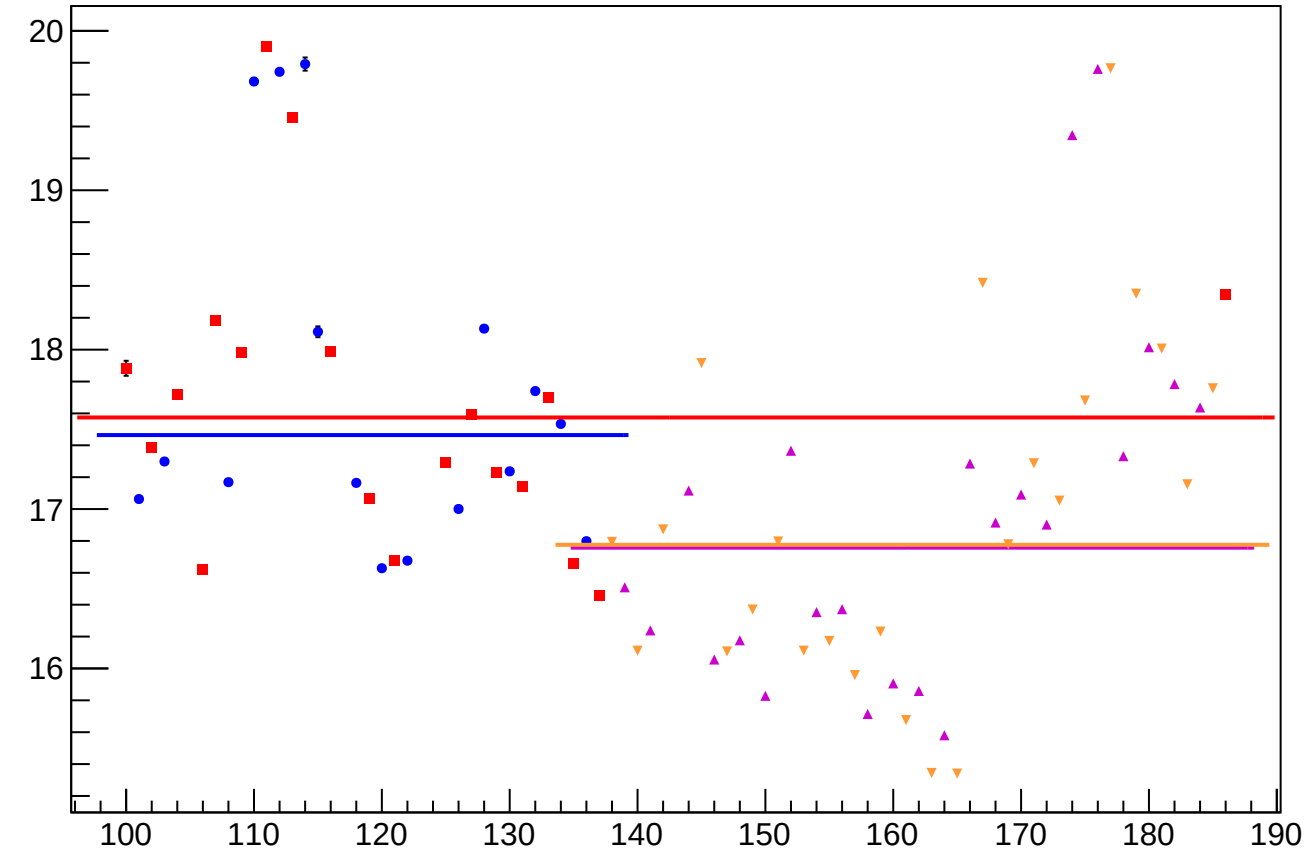
Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

Right: -4.152+/-4.528 χ^2/NDF: 22.0/34

In: 3.419+/-3.359 χ^2/NDF:41.0/38

Out: 0.544+/-3.321 χ^2/NDF:33.2/42

All: 1.965+/-2.362 χ^2/NDF: 74.6/81



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

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

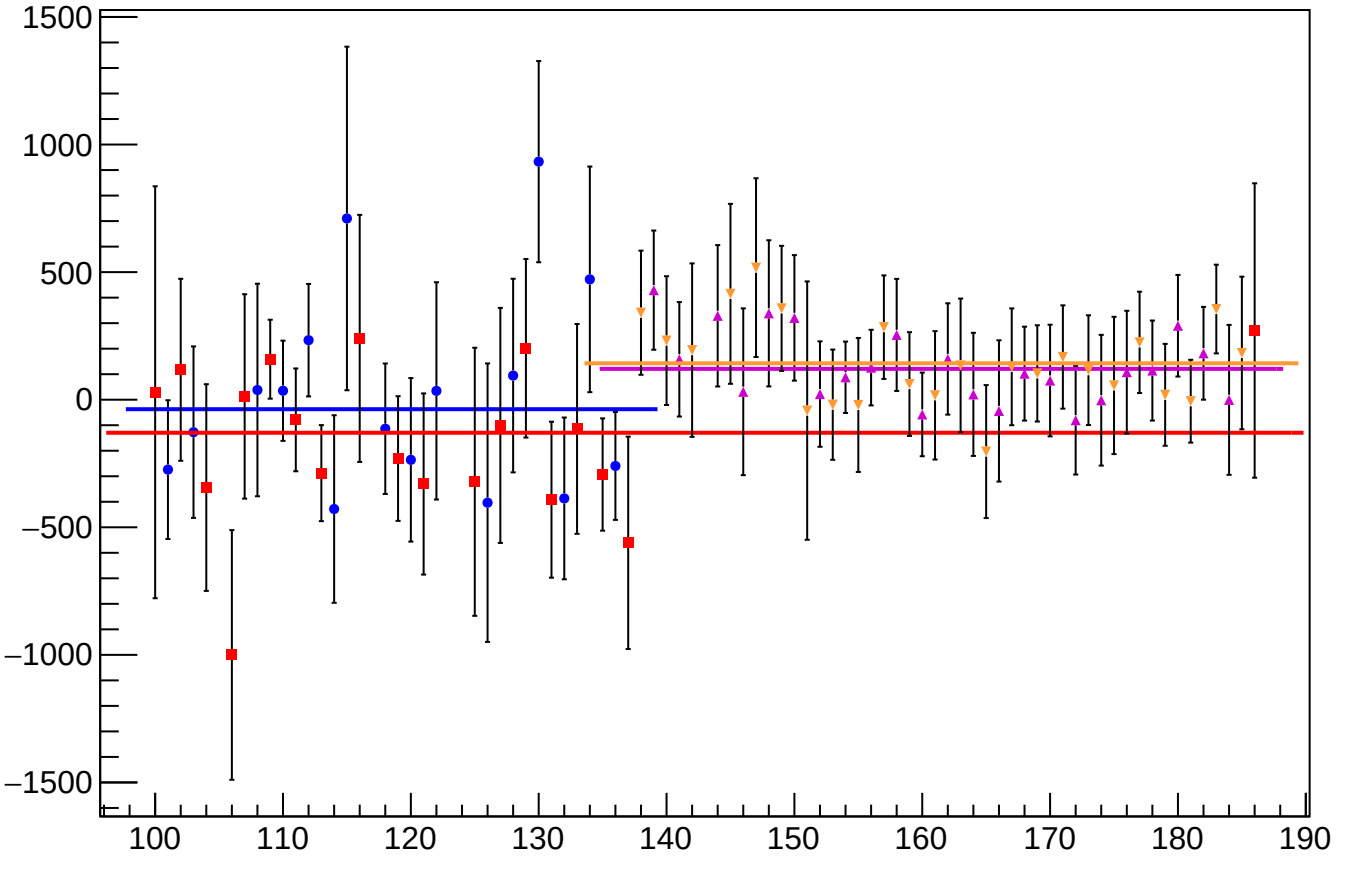
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.521+/-0.003 χ^2/NDF: 72953.8/34

In: 16.947+/-0.002 χ^2/NDF:177273.1/38

Out: 16.997+/-0.002 χ^2/NDF:195314.5/42

All: 16.972+/-0.002 χ^2/NDF: 372814.0/81



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

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

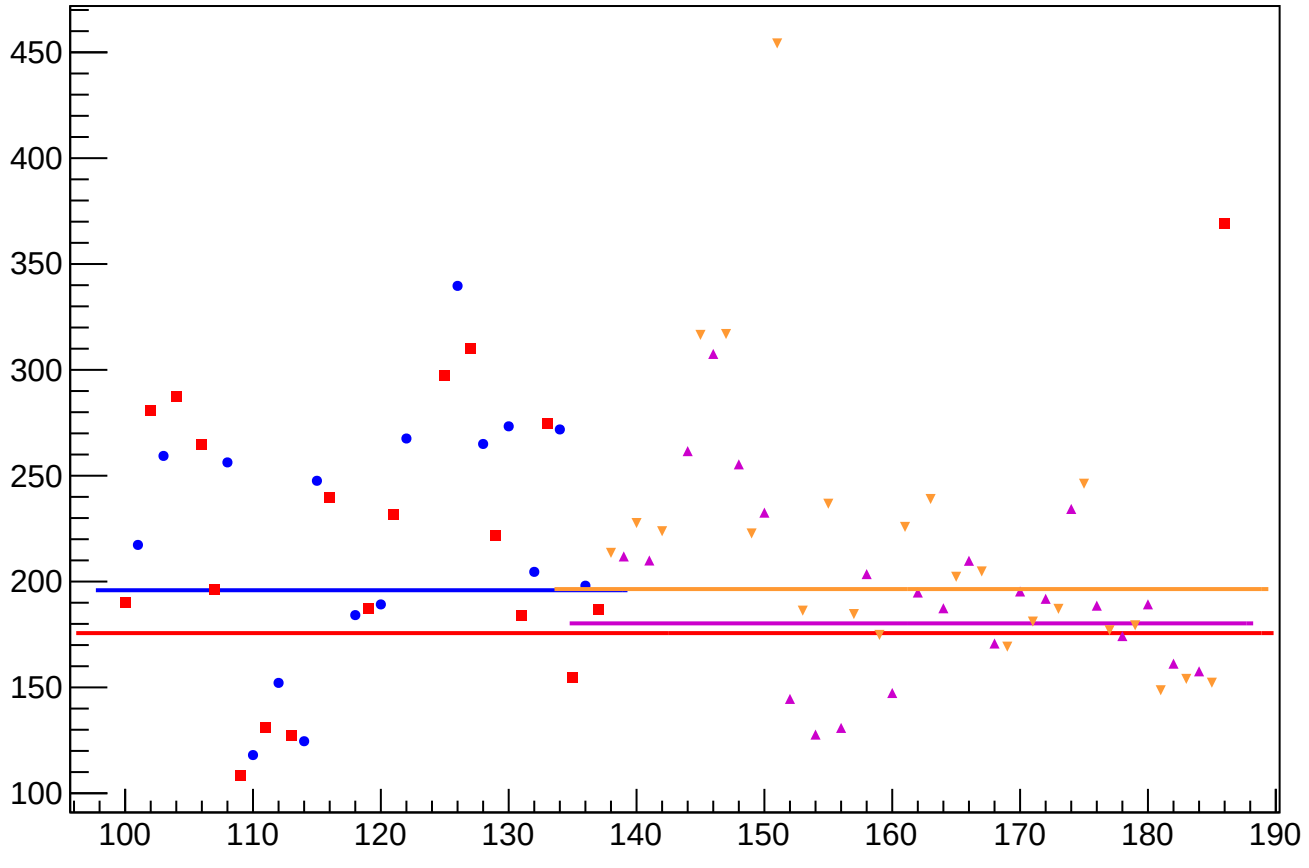
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

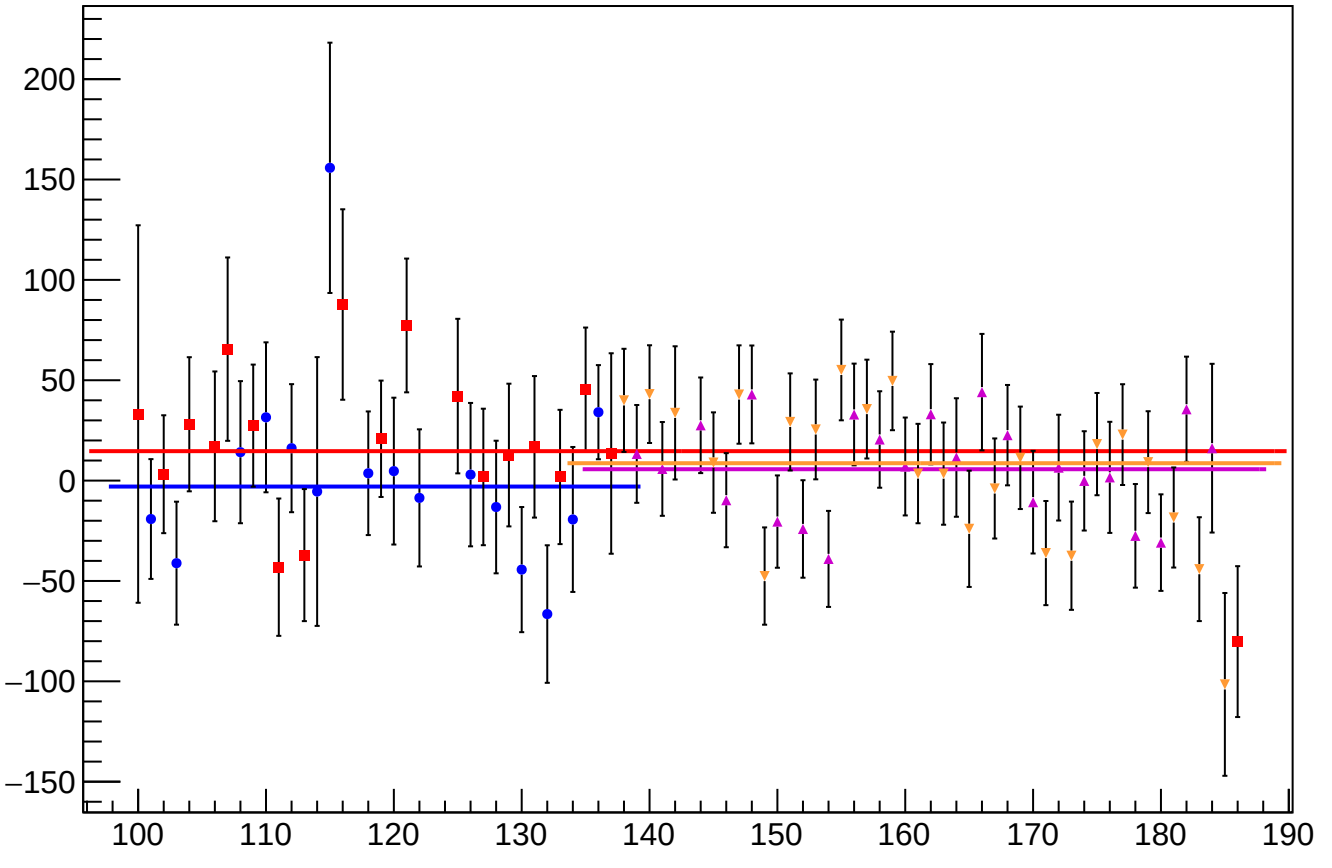
Right: -88.594+/-51.223 χ^2/NDF: 29.7/34

In: 81.907+/-38.189 χ^2/NDF:27.1/38

Out: 55.126+/-38.946 χ^2/NDF:34.1/42

All: 68.779+/-27.267 χ^2/NDF: 61.4/81


asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
180
190
Right In: 195.900+/-0.054 χ²/NDF: 1011012.3/15
Left Out: 196.452+/-0.033 χ²/NDF:1723529.1/23
Right Out: 175.650+/-0.049 χ²/NDF: 1770934.0/18
Left In: 180.248+/-0.031 χ²/NDF:1627777.0/22
Left: 187.766+/-0.023 χ²/NDF: 3477190.3/46
Right: 184.631+/-0.036 χ²/NDF: 2859088.0/34
In: 184.106+/-0.027 χ²/NDF:2701192.5/38
Out: 189.760+/-0.028 χ²/NDF:3618965.8/42
All: 186.878+/-0.019 χ²/NDF: 6341646.8/81



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

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

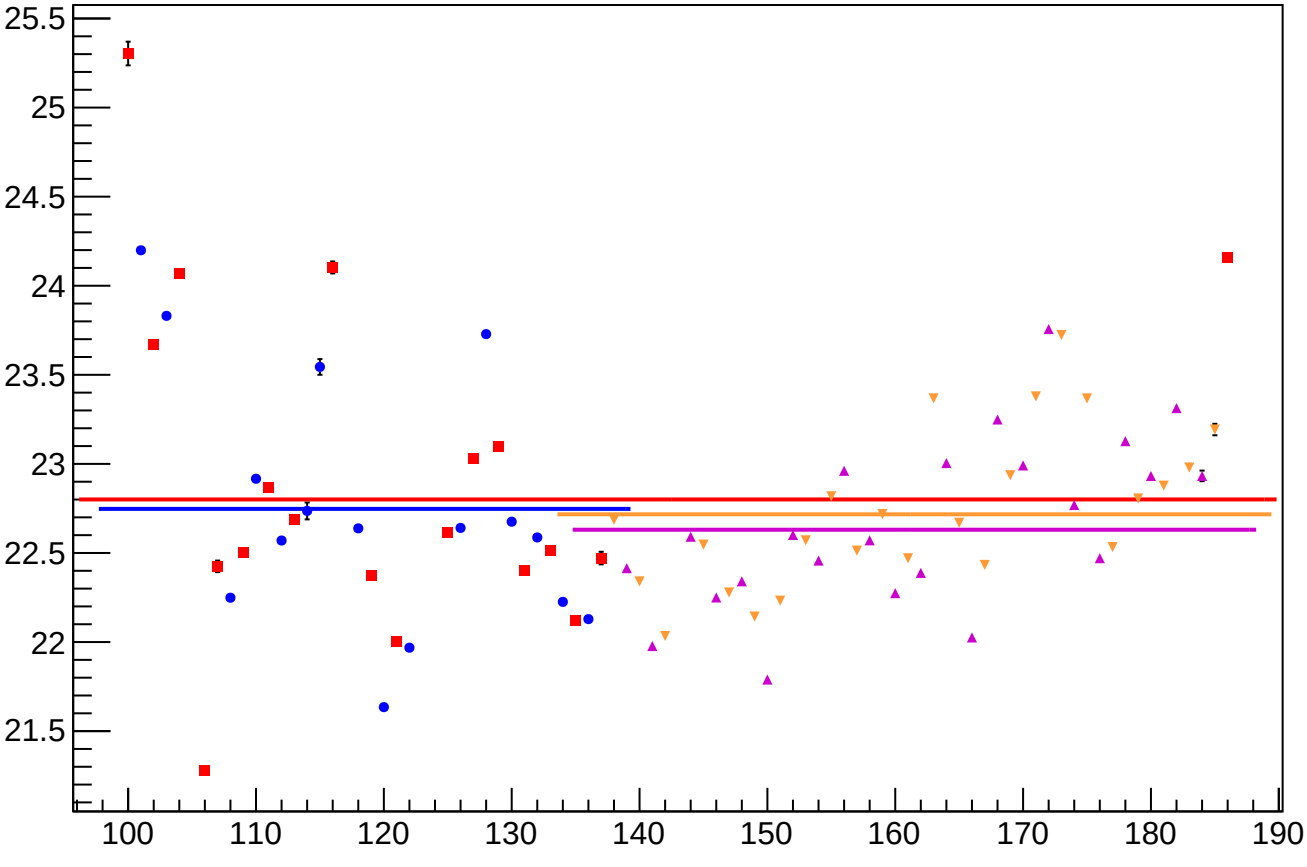
Right: 6.140+/-5.879 χ^2/NDF: 41.4/34

In: 3.240+/-4.482 χ^2/NDF:39.5/38

Out: 10.428+/-4.433 χ^2/NDF:60.8/42

All: 6.874+/-3.152 χ^2/NDF: 101.5/81

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.717+/-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

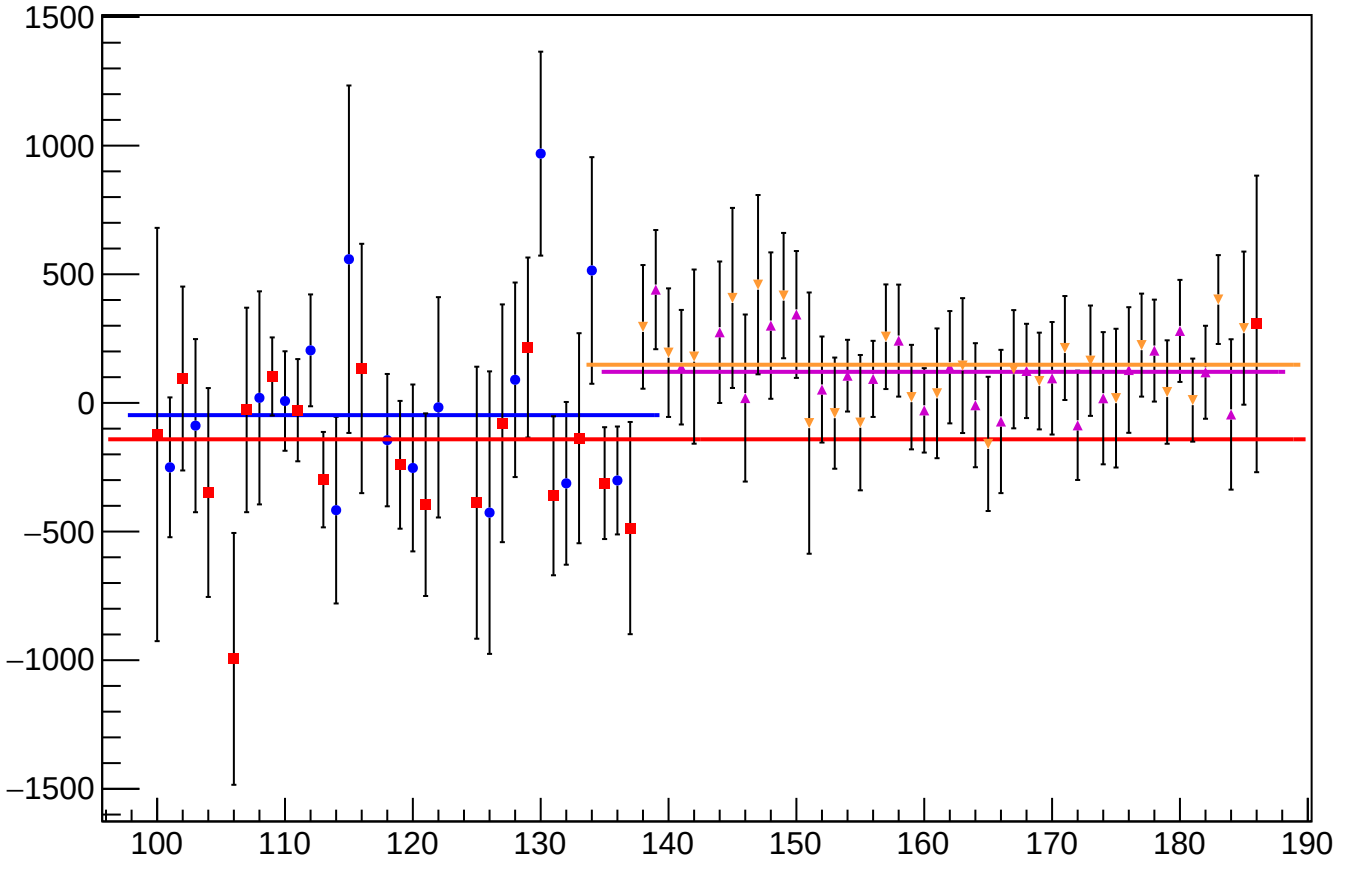
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.775+/-0.004 χ^2/NDF: 31798.7/34

In: 22.663+/-0.003 χ^2/NDF:30289.3/38

Out: 22.742+/-0.003 χ^2/NDF:29460.1/42

All: 22.703+/-0.002 χ^2/NDF: 60056.3/81



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

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

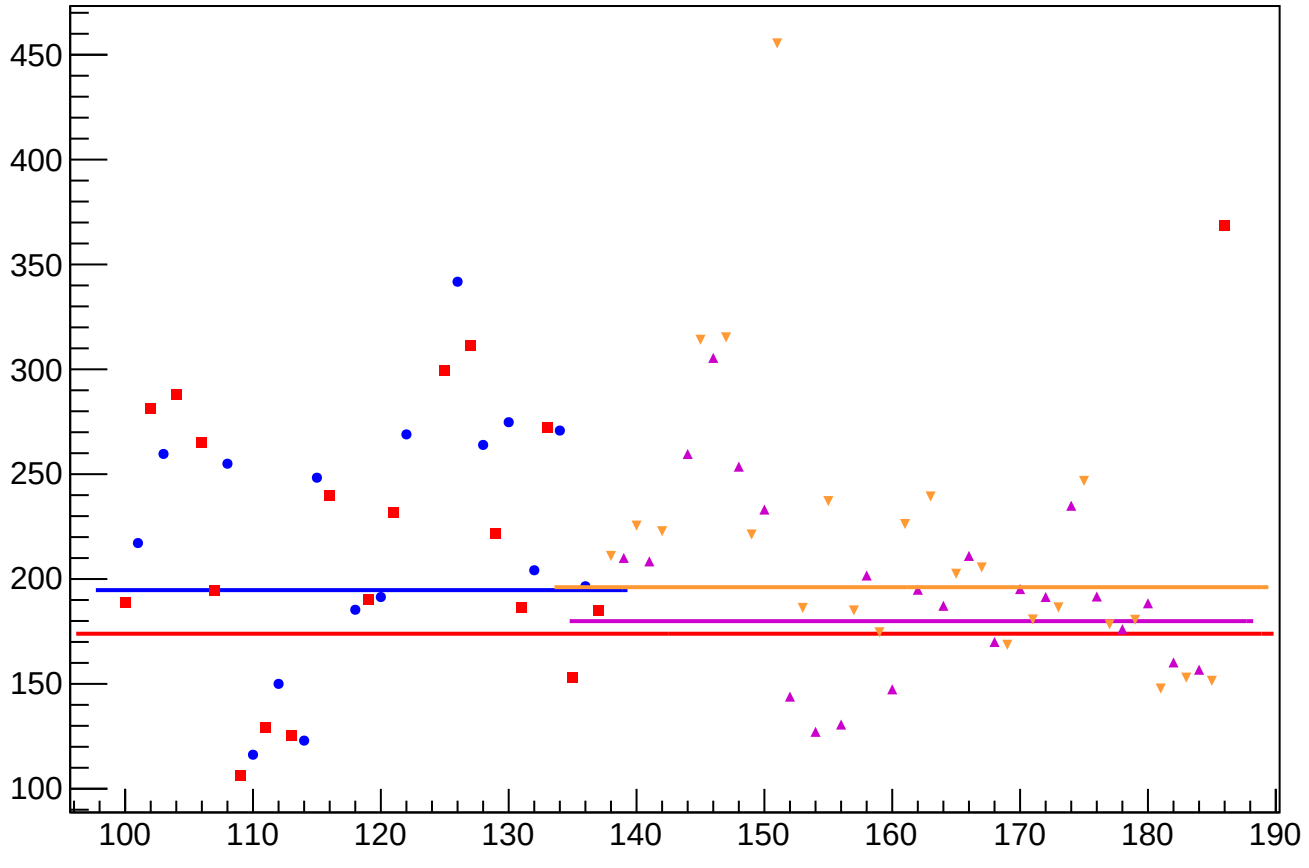
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -99.913+/-50.919 χ^2/NDF: 28.4/34

In: 79.101+/-38.098 χ^2/NDF:26.9/38

Out: 54.470+/-38.815 χ^2/NDF:35.3/42

All: 67.015+/-27.189 χ^2/NDF: 62.4/81



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

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

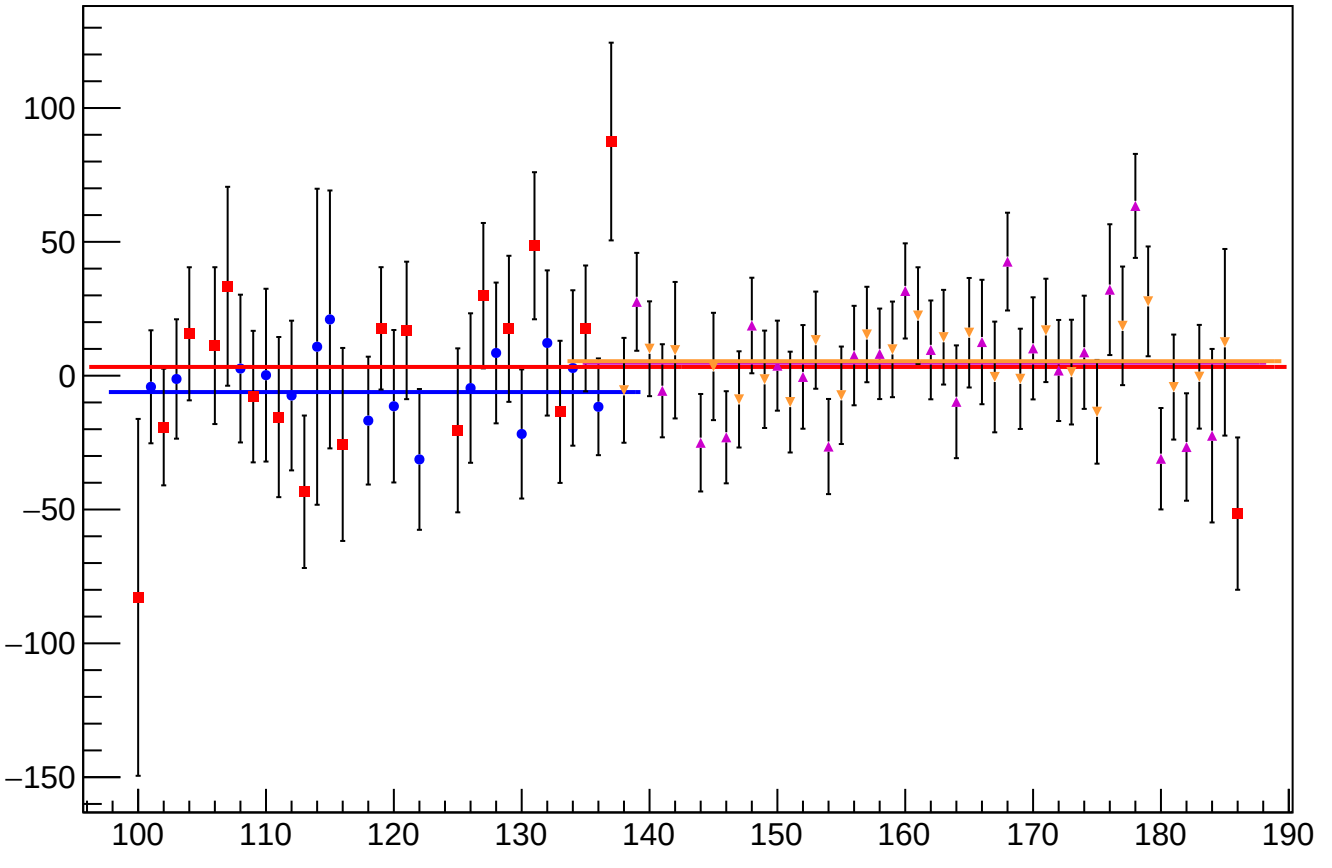
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 183.113+/-0.036 χ^2/NDF: 2978089.1/34

In: 183.583+/-0.027 χ^2/NDF:2732536.7/38

Out: 188.919+/-0.027 χ^2/NDF:3713083.8/42

All: 186.202+/-0.019 χ^2/NDF: 6464871.5/81



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

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

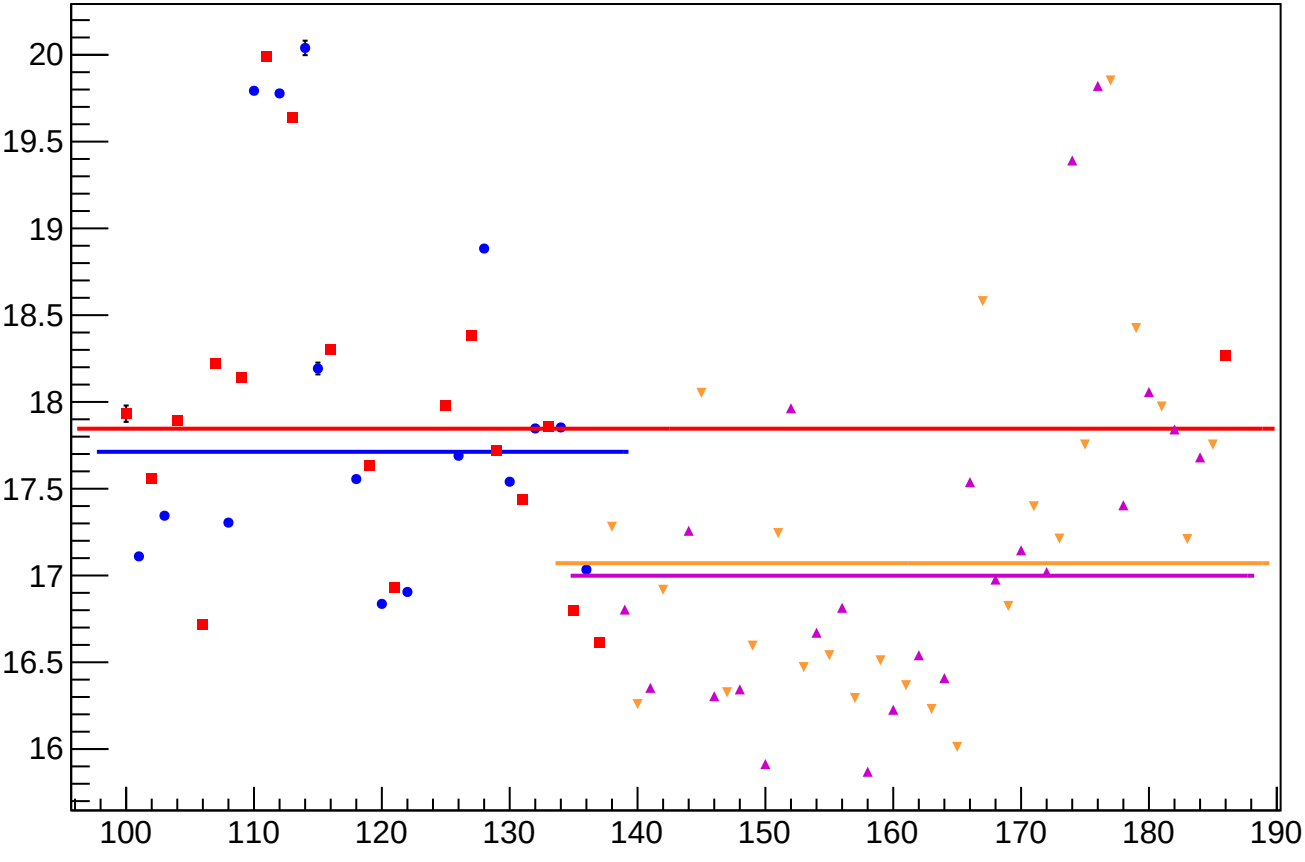
Right: -1.297+/-4.596 χ^2/NDF: 26.7/34

In: 1.926+/-3.407 χ^2/NDF:40.7/38

Out: 4.812+/-3.376 χ^2/NDF:30.4/42

All: 3.382+/-2.398 χ^2/NDF: 71.4/81

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 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

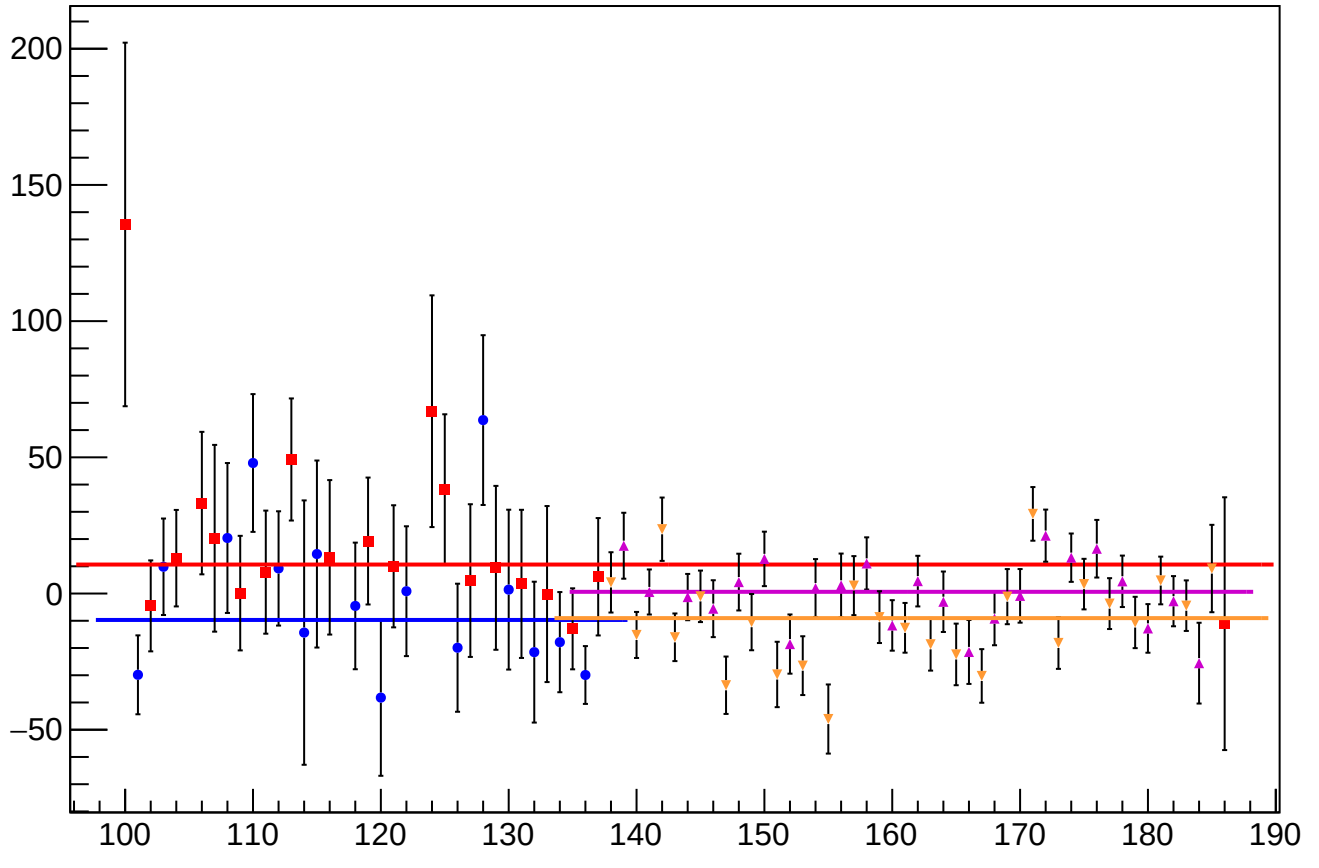
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 17.781+/-0.003 χ^2/NDF: 69373.5/34

In: 17.189+/-0.002 χ^2/NDF:157194.4/38

Out: 17.286+/-0.002 χ^2/NDF:150410.5/42

All: 17.238+/-0.002 χ^2/NDF: 308410.1/81



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

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

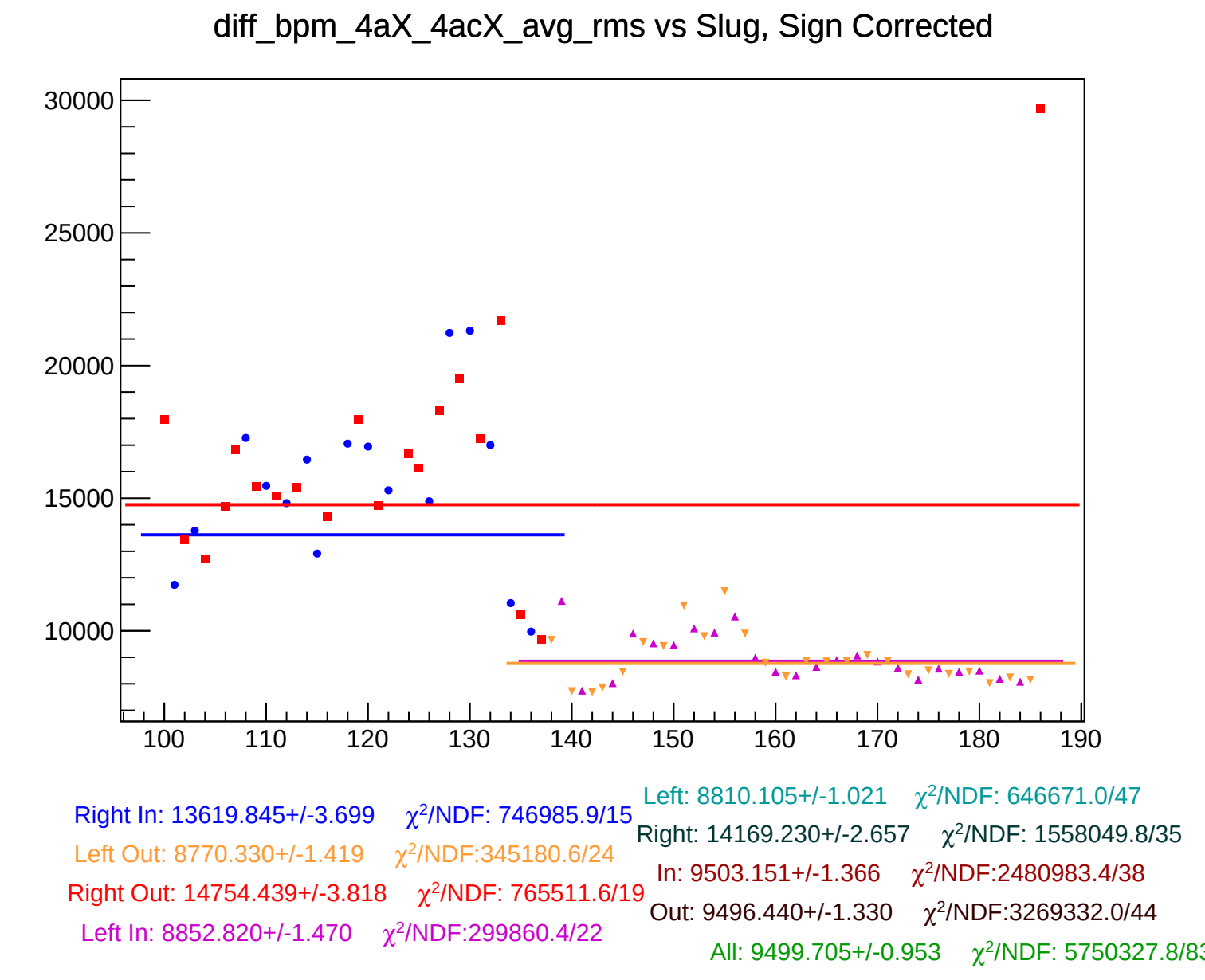
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

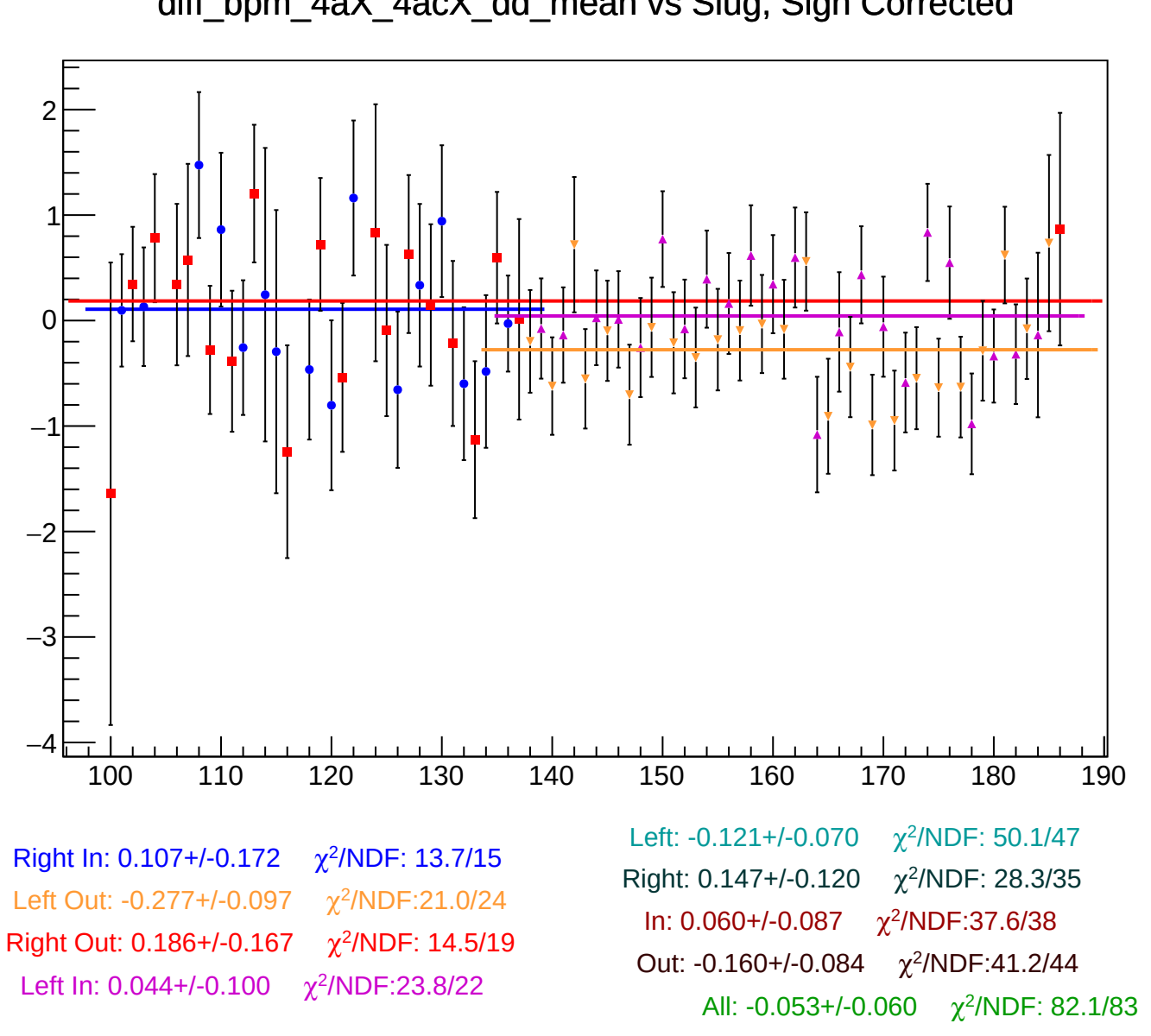
Right: 0.148+/-3.757 χ^2/NDF: 43.6/35

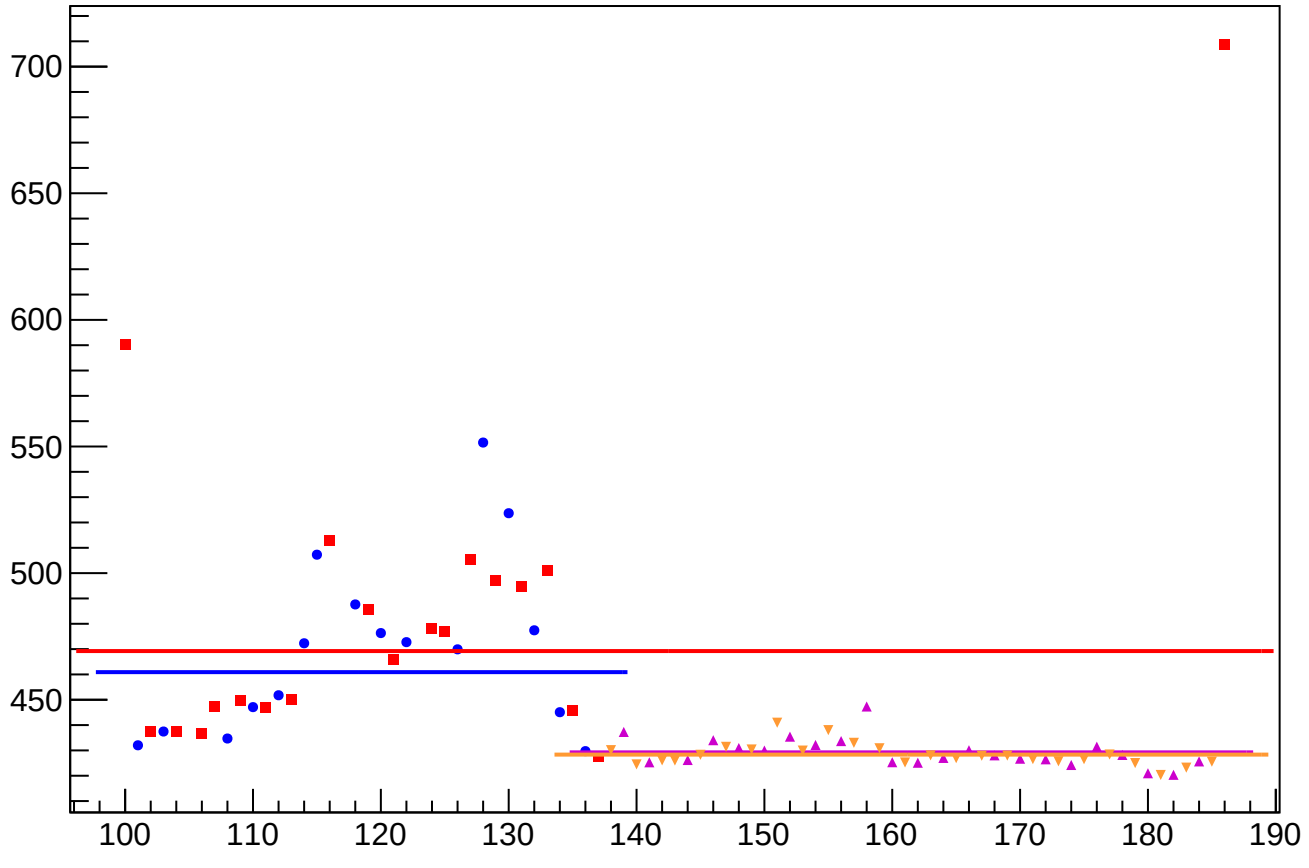
In: -0.781+/-1.932 χ^2/NDF:54.9/38

Out: -6.641+/-1.881 χ^2/NDF:88.0/44

All: -3.790+/-1.348 χ^2/NDF: 147.5/83


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: 13619.845+/-3.699 χ²/NDF: 746985.9/15
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: 14169.230+/-2.657 χ²/NDF: 1558049.8/35
In: 9503.151+/-1.366 χ²/NDF:2480983.4/38
Out: 9496.440+/-1.330 χ²/NDF:3269332.0/44
All: 9499.705+/-0.953 χ²/NDF: 5750327.8/83


diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.107+/-0.172 χ²/NDF: 13.7/15
Left Out: -0.277+/-0.097 χ²/NDF:21.0/24
Right Out: 0.186+/-0.167 χ²/NDF: 14.5/19
Left In: 0.044+/-0.100 χ²/NDF:23.8/22
Left: -0.121+/-0.070 χ²/NDF: 50.1/47
Right: 0.147+/-0.120 χ²/NDF: 28.3/35
In: 0.060+/-0.087 χ²/NDF:37.6/38
Out: -0.160+/-0.084 χ²/NDF:41.2/44
All: -0.053+/-0.060 χ²/NDF: 82.1/83



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

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

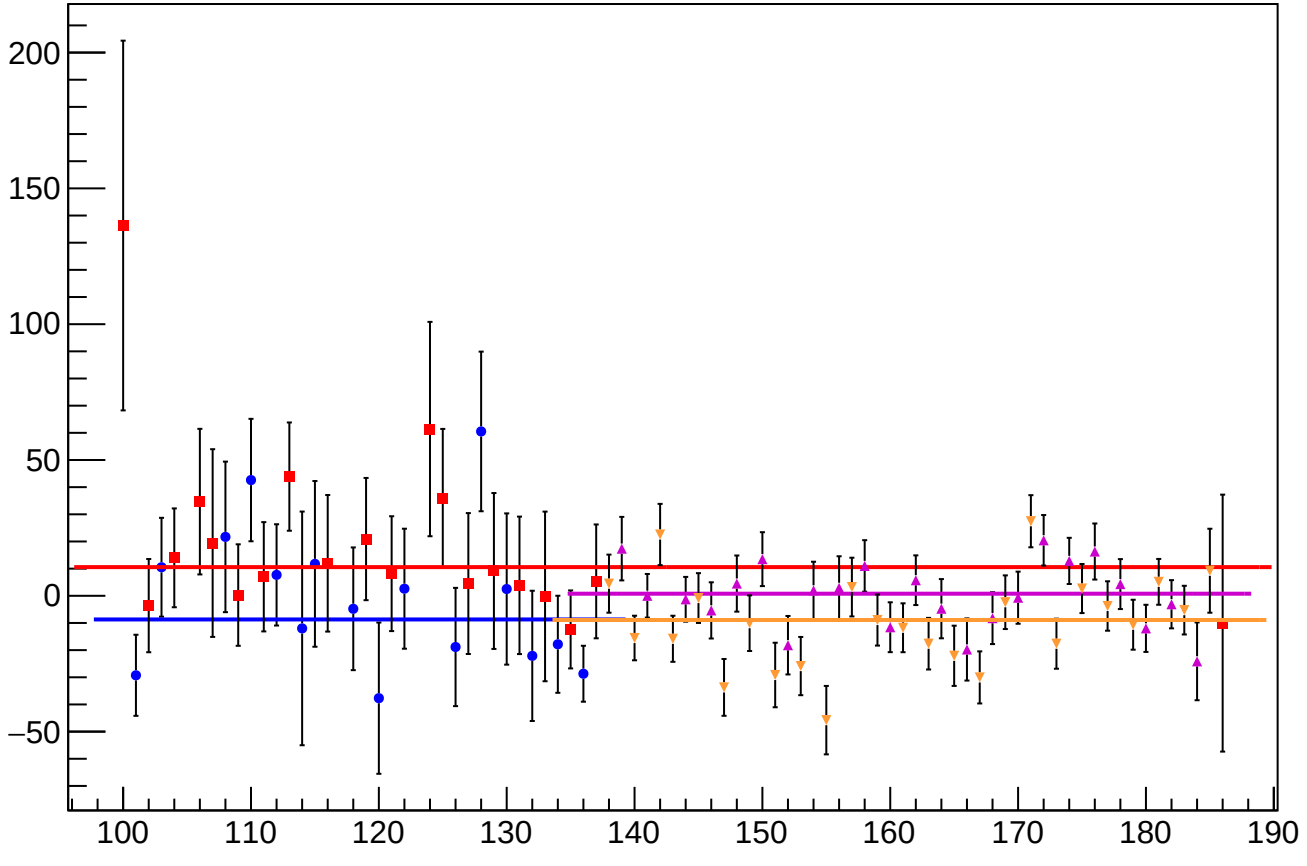
Right: 465.172+/-0.085 χ^2/NDF: 226104.2/35

In: 437.279+/-0.061 χ^2/NDF:132452.5/38

Out: 438.662+/-0.059 χ^2/NDF:241906.5/44

All: 437.990+/-0.043 χ^2/NDF: 374621.6/83

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 10.559+/-5.161 χ^2/NDF: 14.1/19

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

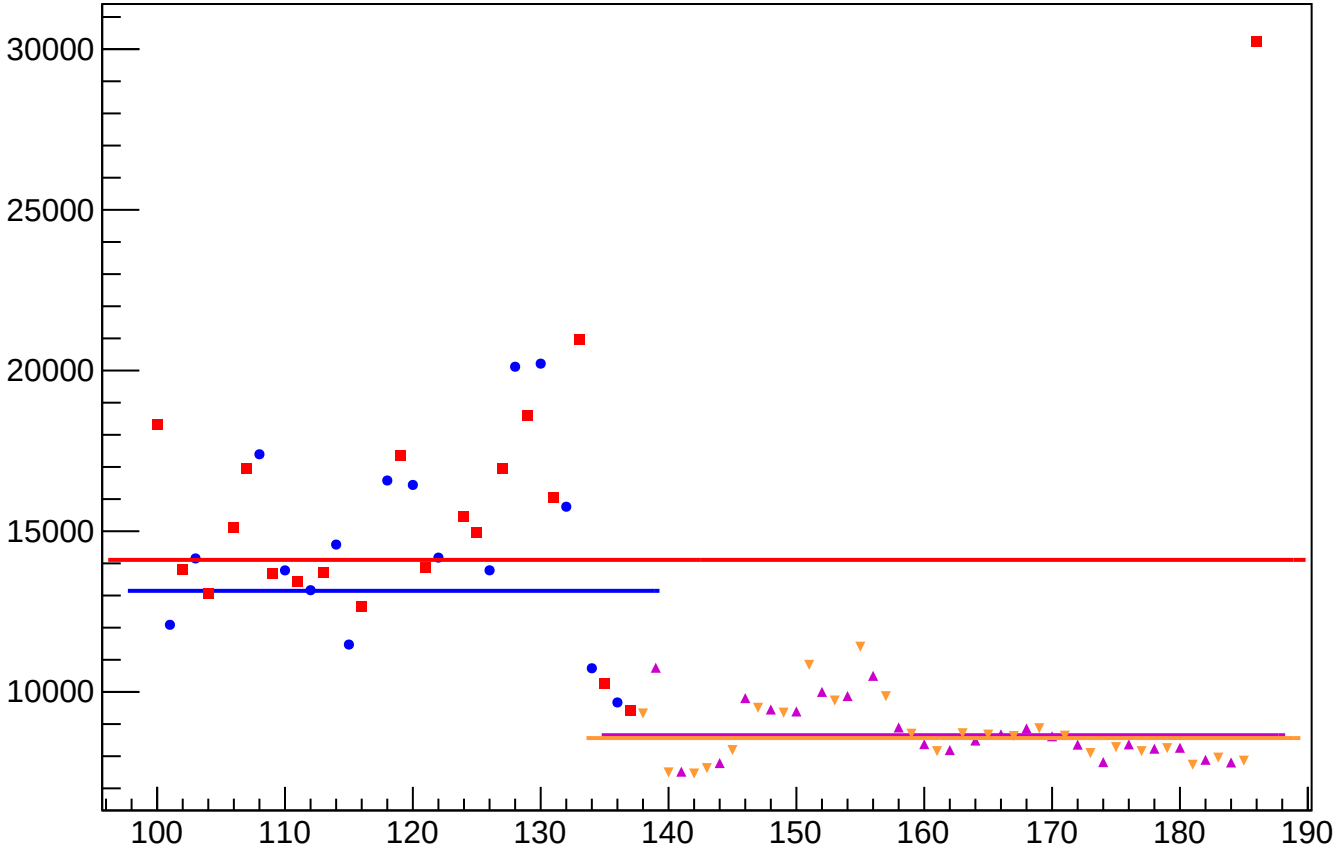
Right: 0.690+/-3.604 χ^2/NDF: 43.5/35

In: -0.557+/-1.886 χ^2/NDF:54.6/38

Out: -6.449+/-1.833 χ^2/NDF:88.0/44

All: -3.587+/-1.314 χ^2/NDF: 147.7/83

diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

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

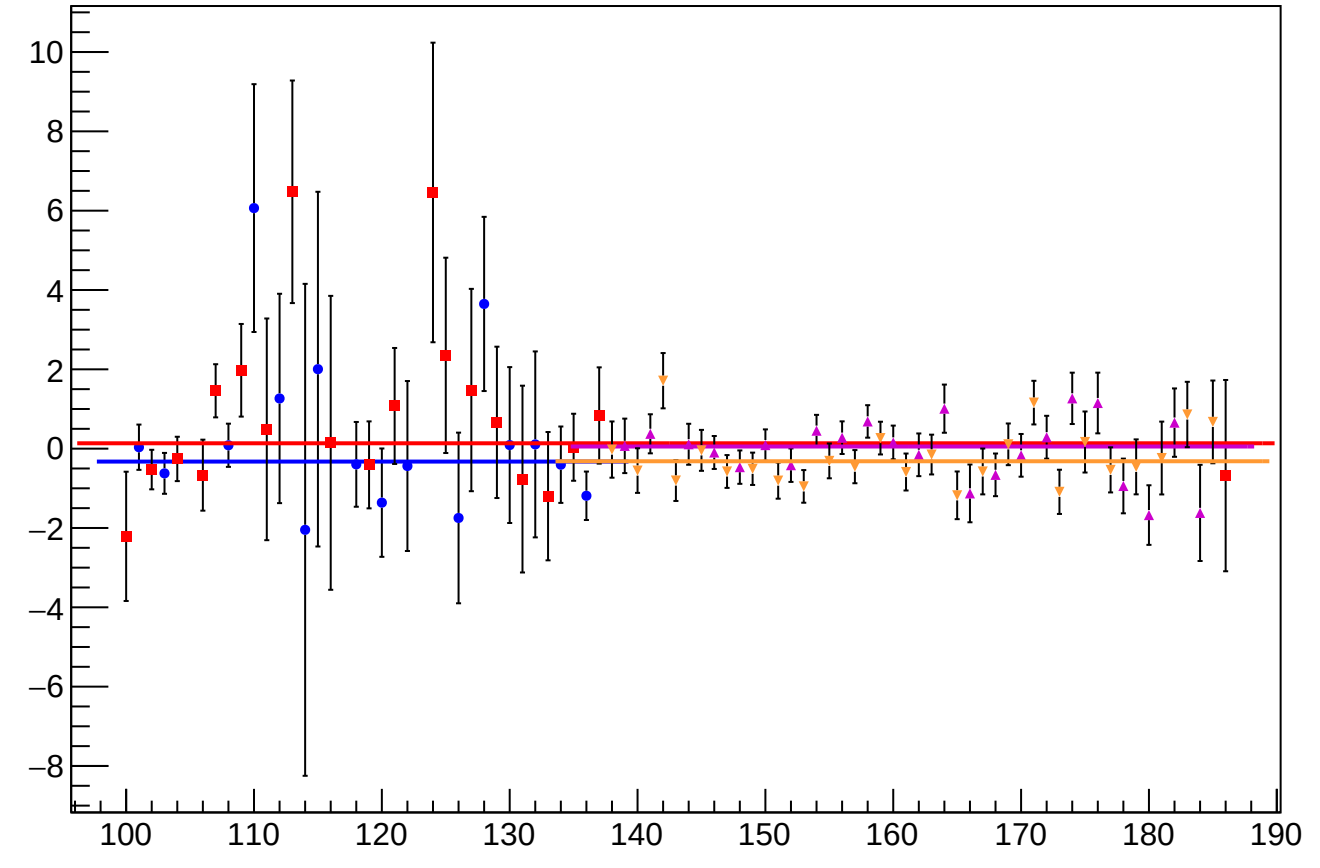
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 13615.615+/-2.549 χ^2/NDF: 1464400.0/35

In: 9284.256+/-1.334 χ^2/NDF:2396155.9/38

Out: 9263.919+/-1.296 χ^2/NDF:3164171.3/44

All: 9273.799+/-0.929 χ^2/NDF: 5560446.8/83



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

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

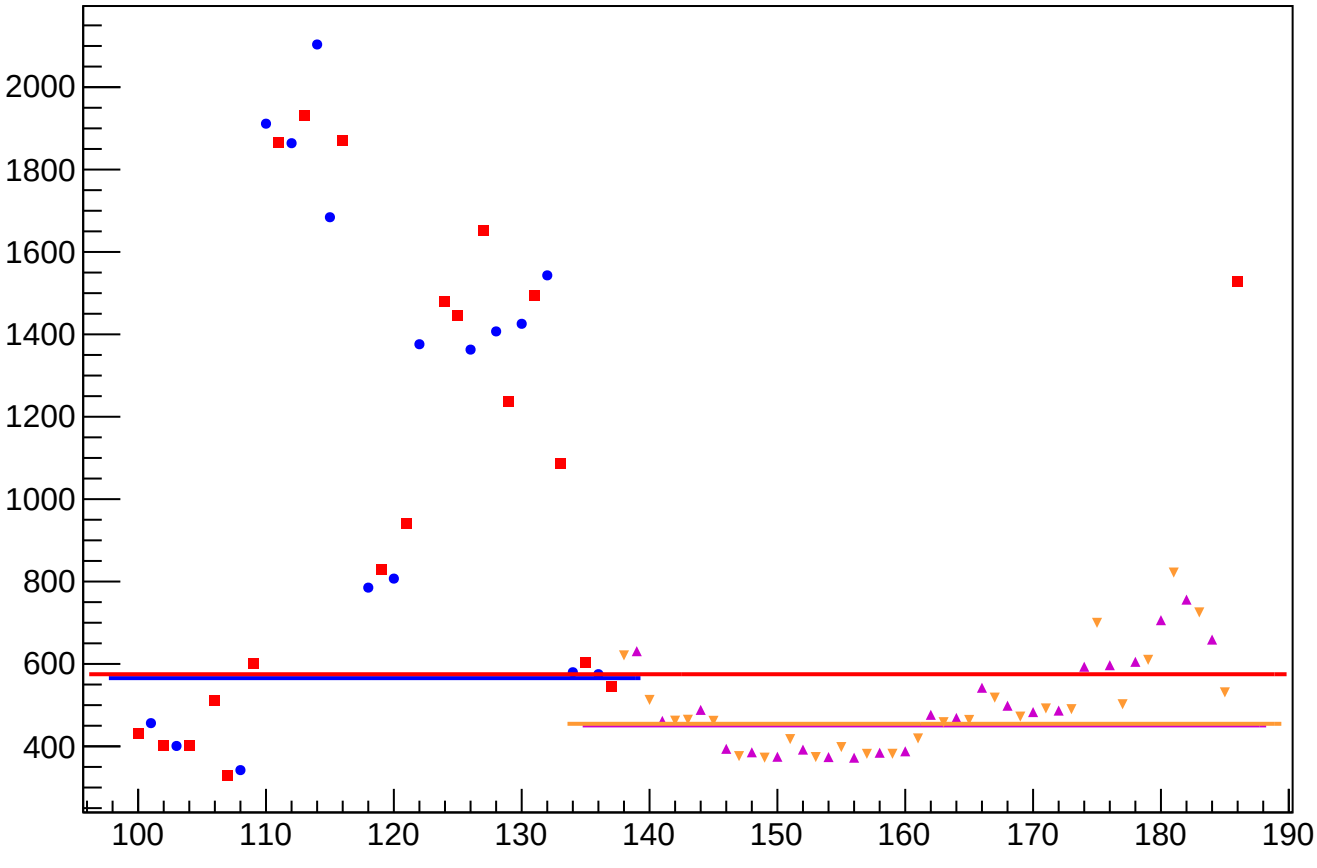
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.094+/-0.172 χ^2/NDF: 36.9/35

In: -0.008+/-0.099 χ^2/NDF:44.4/38

Out: -0.245+/-0.097 χ^2/NDF:57.8/44

All: -0.129+/-0.069 χ^2/NDF: 105.1/83



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

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

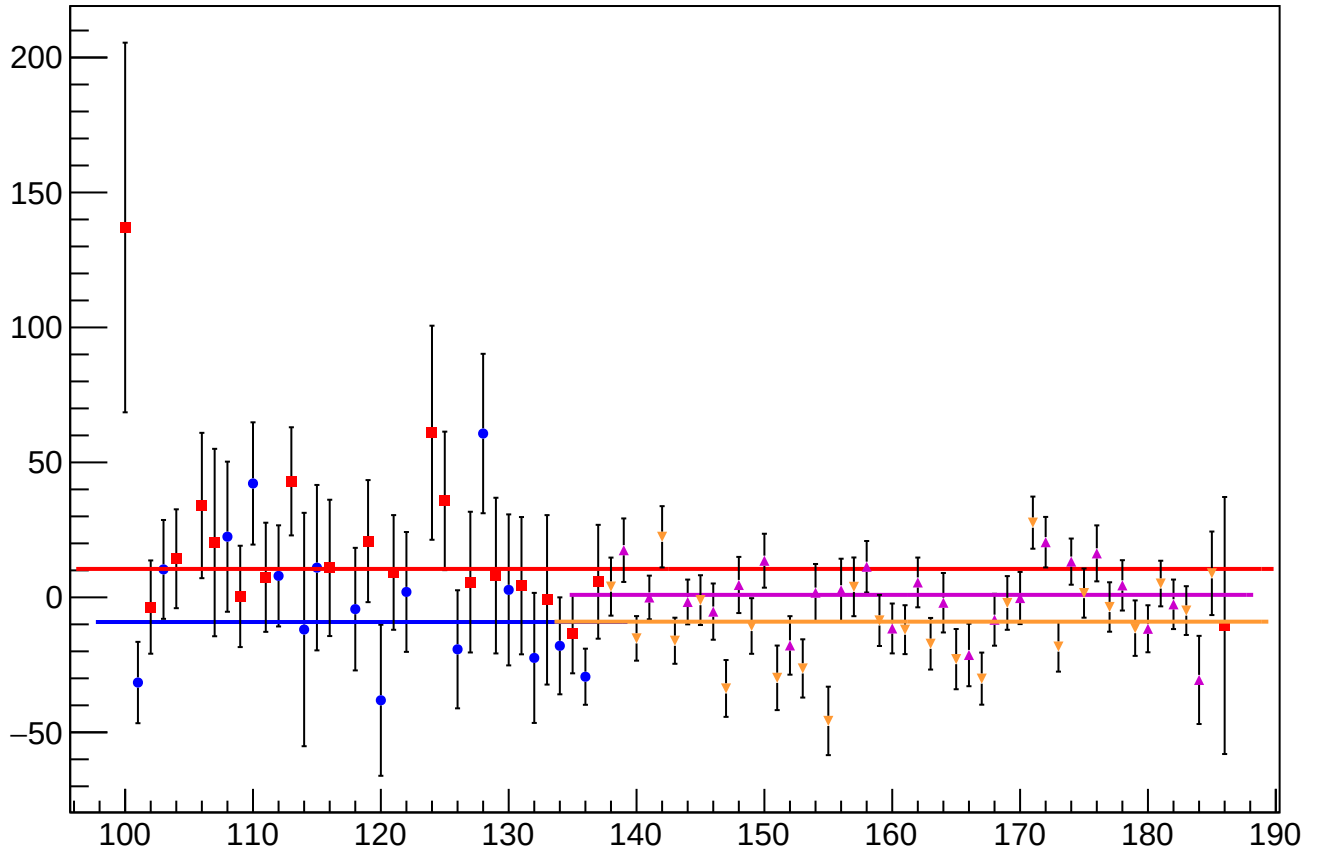
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 570.295+/-0.122 χ^2/NDF: 7339894.3/35

In: 469.591+/-0.070 χ^2/NDF:5291523.3/38

Out: 473.909+/-0.069 χ^2/NDF:5750856.6/44

All: 471.788+/-0.049 χ^2/NDF: 11044320.0/83



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

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

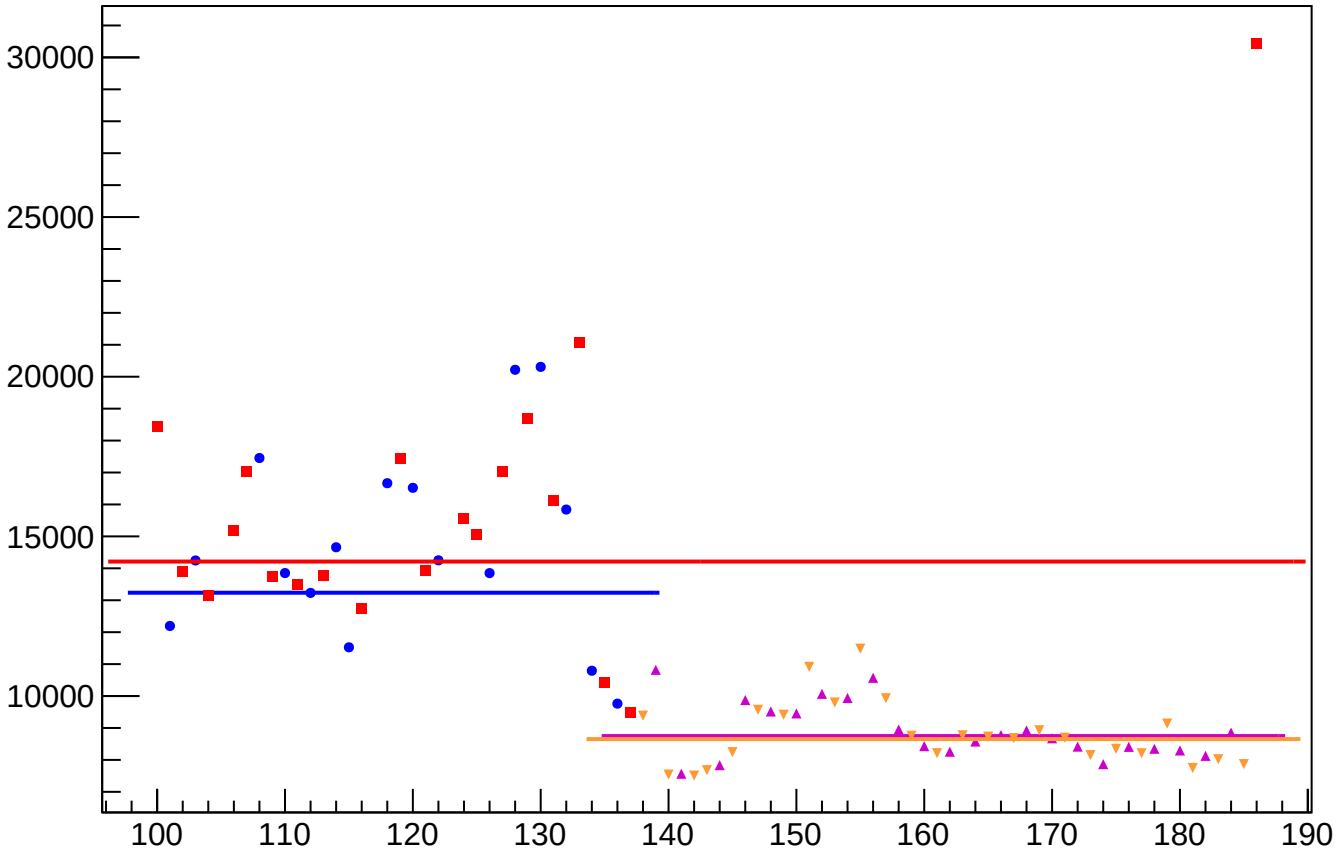
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: 0.459+/-3.629 χ^2/NDF: 44.0/35

In: -0.495+/-1.905 χ^2/NDF:56.0/38

Out: -6.520+/-1.852 χ^2/NDF:87.5/44

All: -3.593+/-1.328 χ^2/NDF: 148.6/83



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 14211.505+/-3.674 χ^2/NDF: 733385.6/19

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

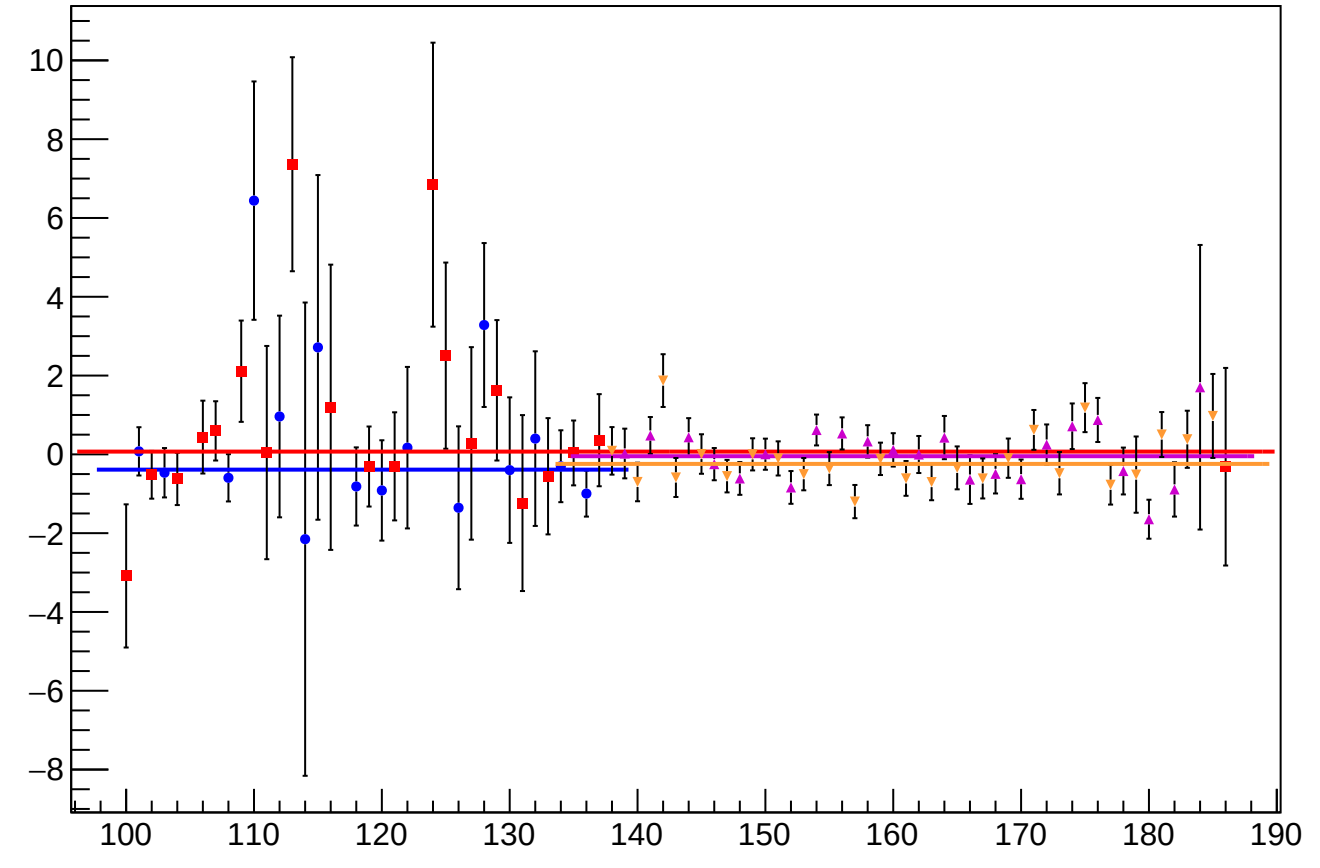
Left: 8697.266+/-1.009 χ^2/NDF: 738764.8/47

Right: 13711.603+/-2.566 χ^2/NDF: 1443401.0/35

In: 9380.123+/-1.347 χ^2/NDF:2352355.8/38

Out: 9357.872+/-1.309 χ^2/NDF:3137618.9/44

All: 9368.682+/-0.939 χ^2/NDF: 5490115.0/83



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

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

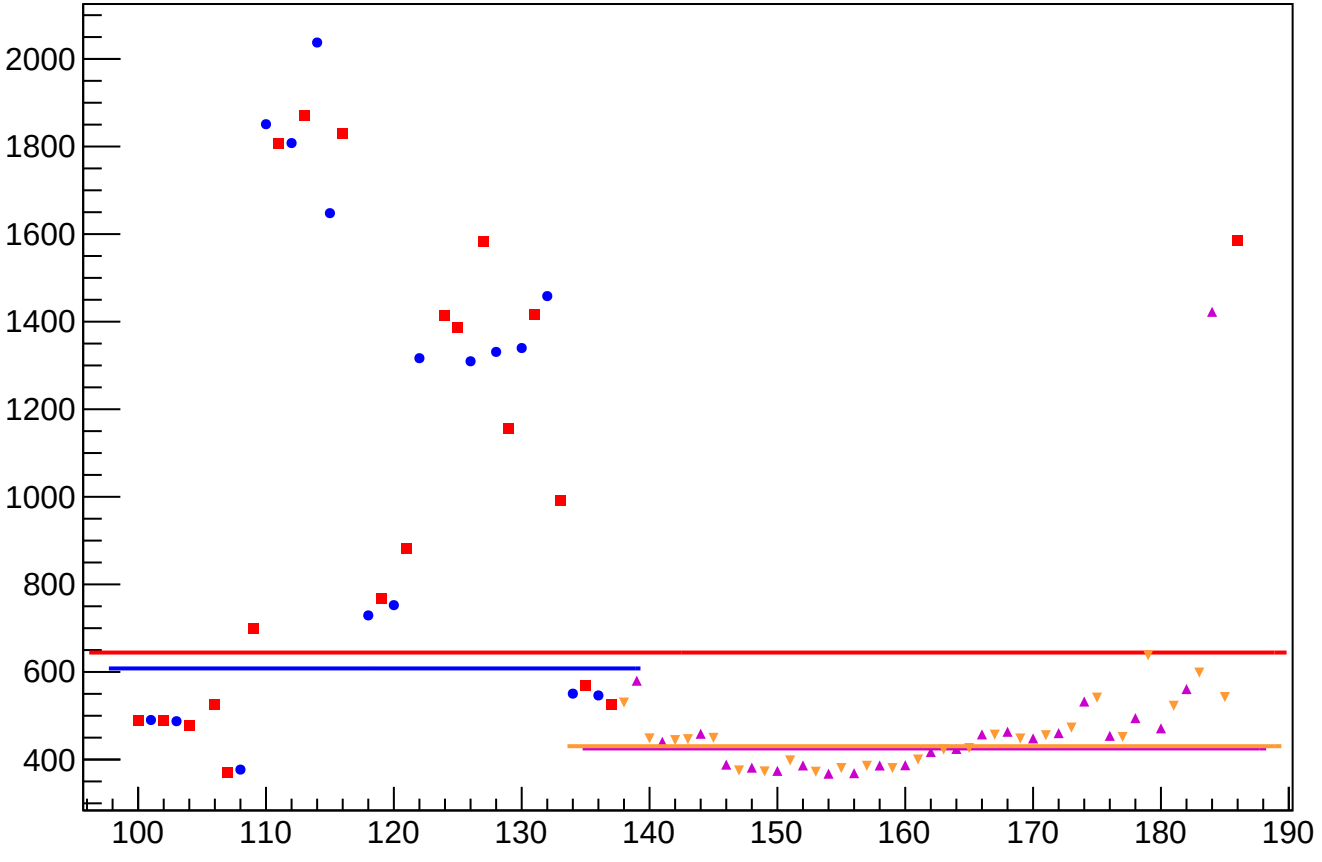
Right: -0.165+/-0.183 χ^2/NDF: 34.9/35

In: -0.093+/-0.094 χ^2/NDF:48.2/38

Out: -0.203+/-0.094 χ^2/NDF:57.2/44

All: -0.148+/-0.066 χ^2/NDF: 106.2/83

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

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

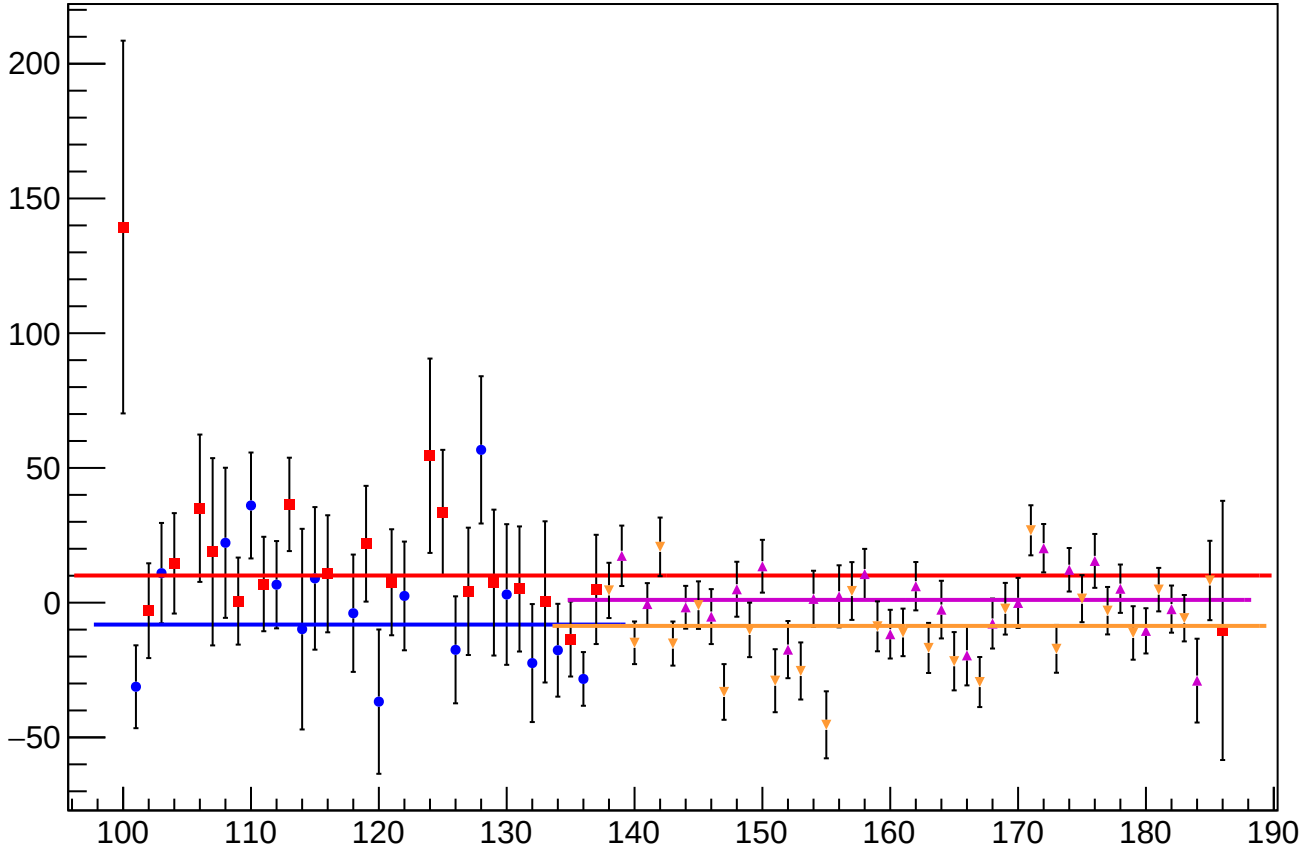
Right: 625.696+/-0.130 χ^2/NDF: 5945869.9/35

In: 450.223+/-0.067 χ^2/NDF:4452018.8/38

Out: 457.546+/-0.066 χ^2/NDF:4876683.8/44

All: 453.915+/-0.047 χ^2/NDF: 9334767.9/83

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

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

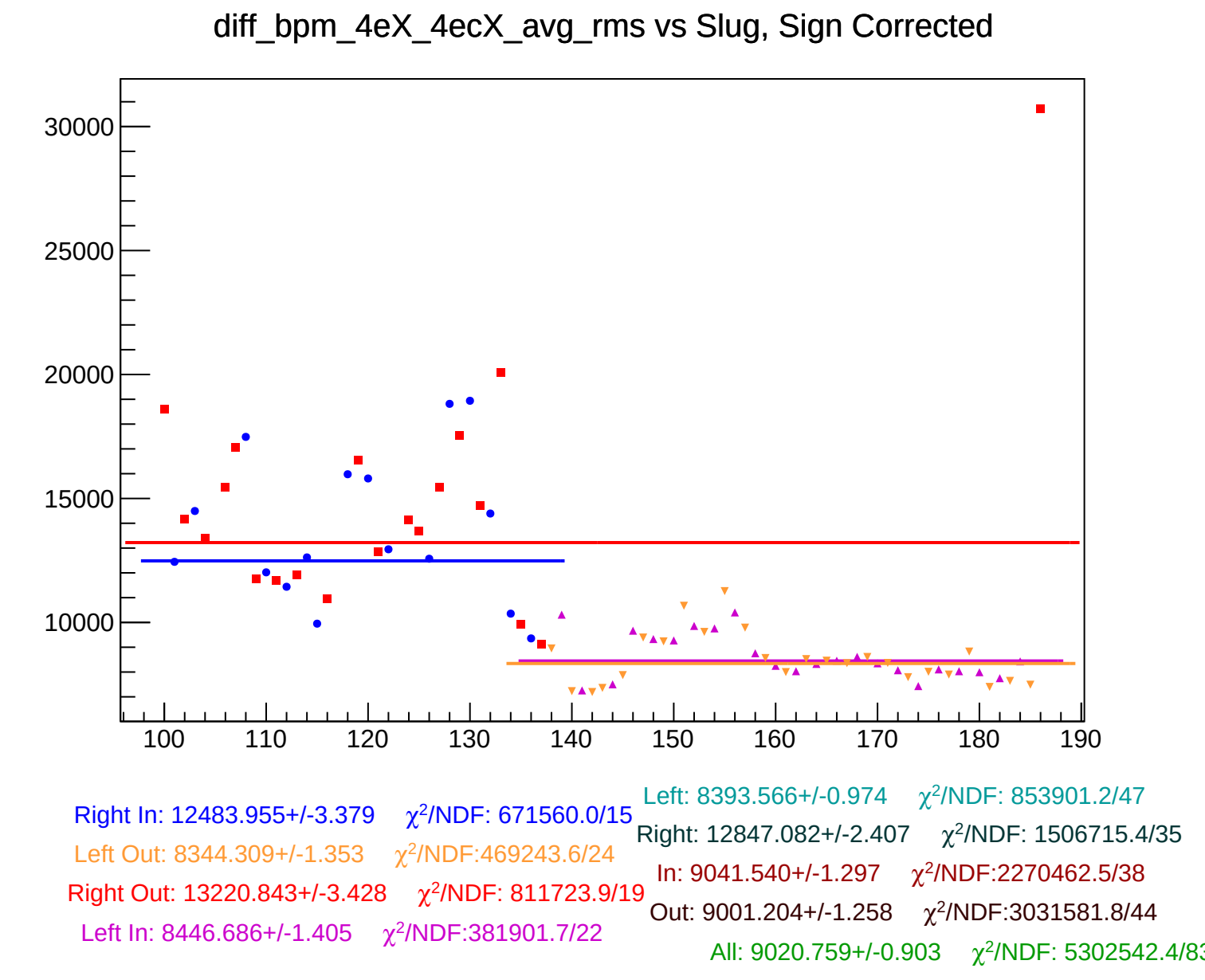
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

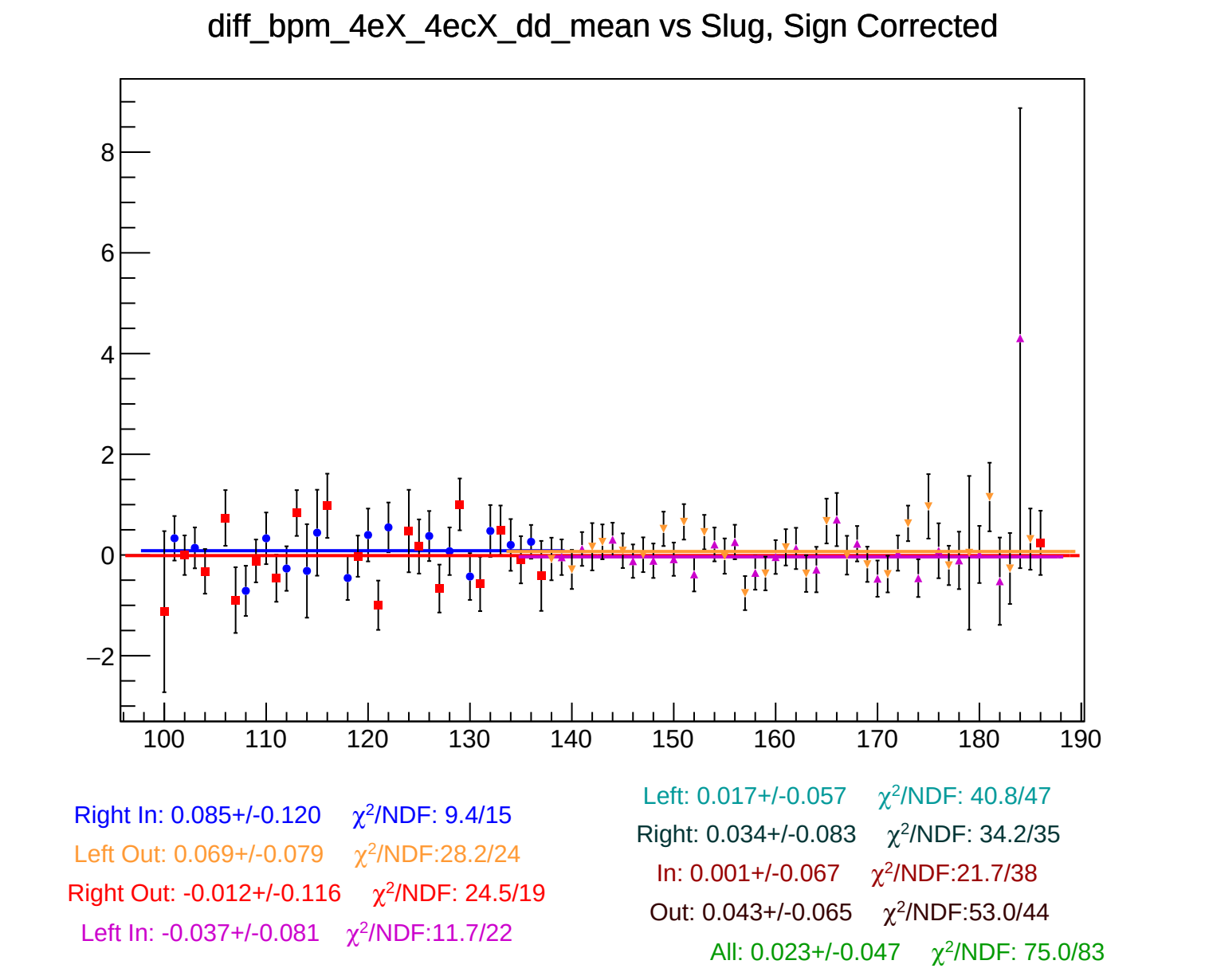
Right: 0.842+/-3.404 χ^2/NDF: 44.1/35

In: -0.322+/-1.834 χ^2/NDF:56.0/38

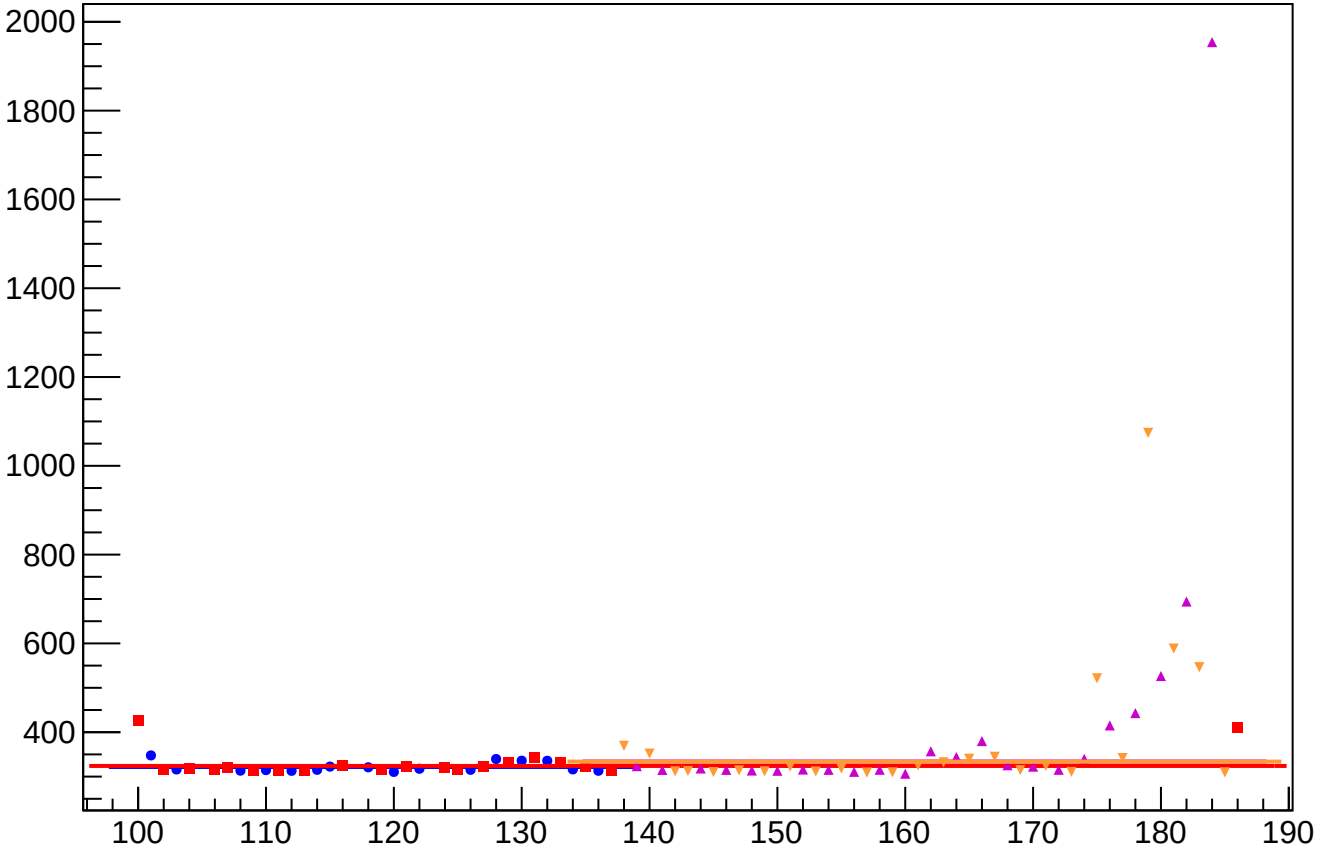
Out: -6.103+/-1.780 χ^2/NDF:88.4/44

All: -3.301+/-1.277 χ^2/NDF: 149.5/83


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 13220.843+/-3.428 χ²/NDF: 811723.9/19
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 12847.082+/-2.407 χ²/NDF: 1506715.4/35
In: 9041.540+/-1.297 χ²/NDF:2270462.5/38
Out: 9001.204+/-1.258 χ²/NDF:3031581.8/44
All: 9020.759+/-0.903 χ²/NDF: 5302542.4/83


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: 0.085+/-0.120 χ²/NDF: 9.4/15
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: 0.034+/-0.083 χ²/NDF: 34.2/35
In: 0.001+/-0.067 χ²/NDF:21.7/38
Out: 0.043+/-0.065 χ²/NDF:53.0/44
All: 0.023+/-0.047 χ²/NDF: 75.0/83

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

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

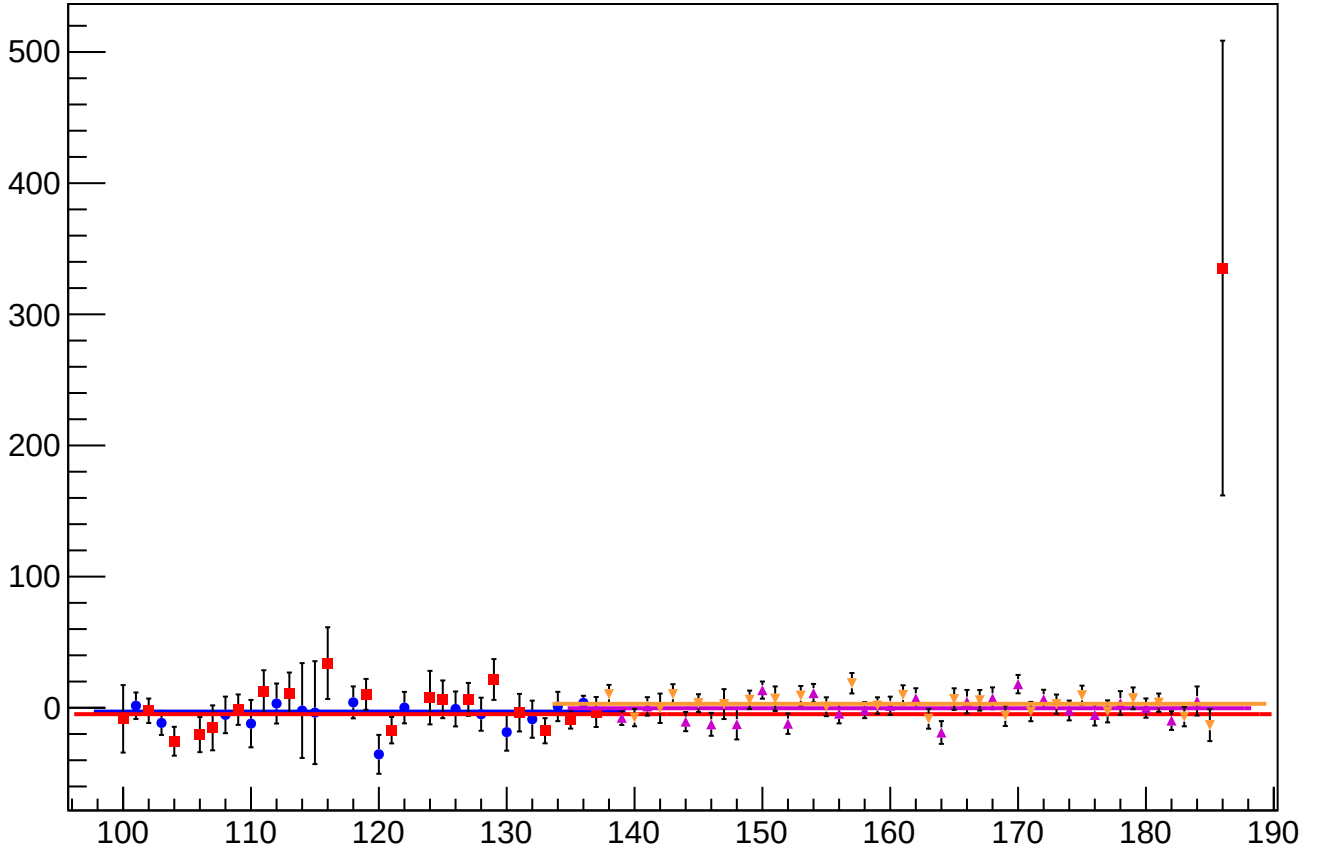
Right: 322.913+/-0.059 χ^2/NDF: 72741.5/35

In: 330.157+/-0.047 χ^2/NDF:1083505.8/38

Out: 330.667+/-0.046 χ^2/NDF:1281157.4/44

All: 330.419+/-0.033 χ^2/NDF: 2364722.5/83

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

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

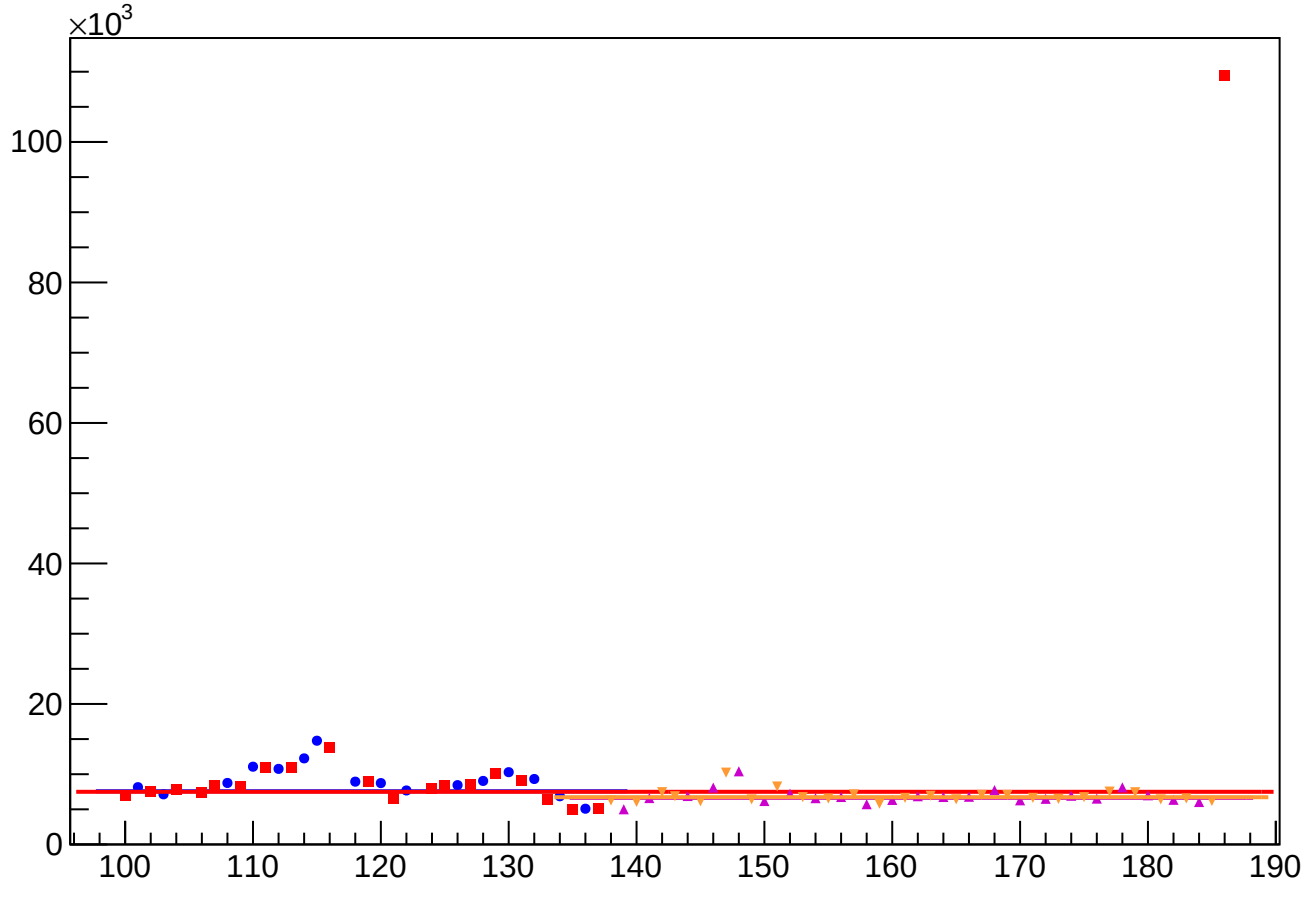
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.928+/-2.027 χ^2/NDF: 33.3/35

In: -0.930+/-1.381 χ^2/NDF:44.2/38

Out: 1.209+/-1.353 χ^2/NDF:49.6/44

All: 0.161+/-0.966 χ^2/NDF: 95.1/83



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

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

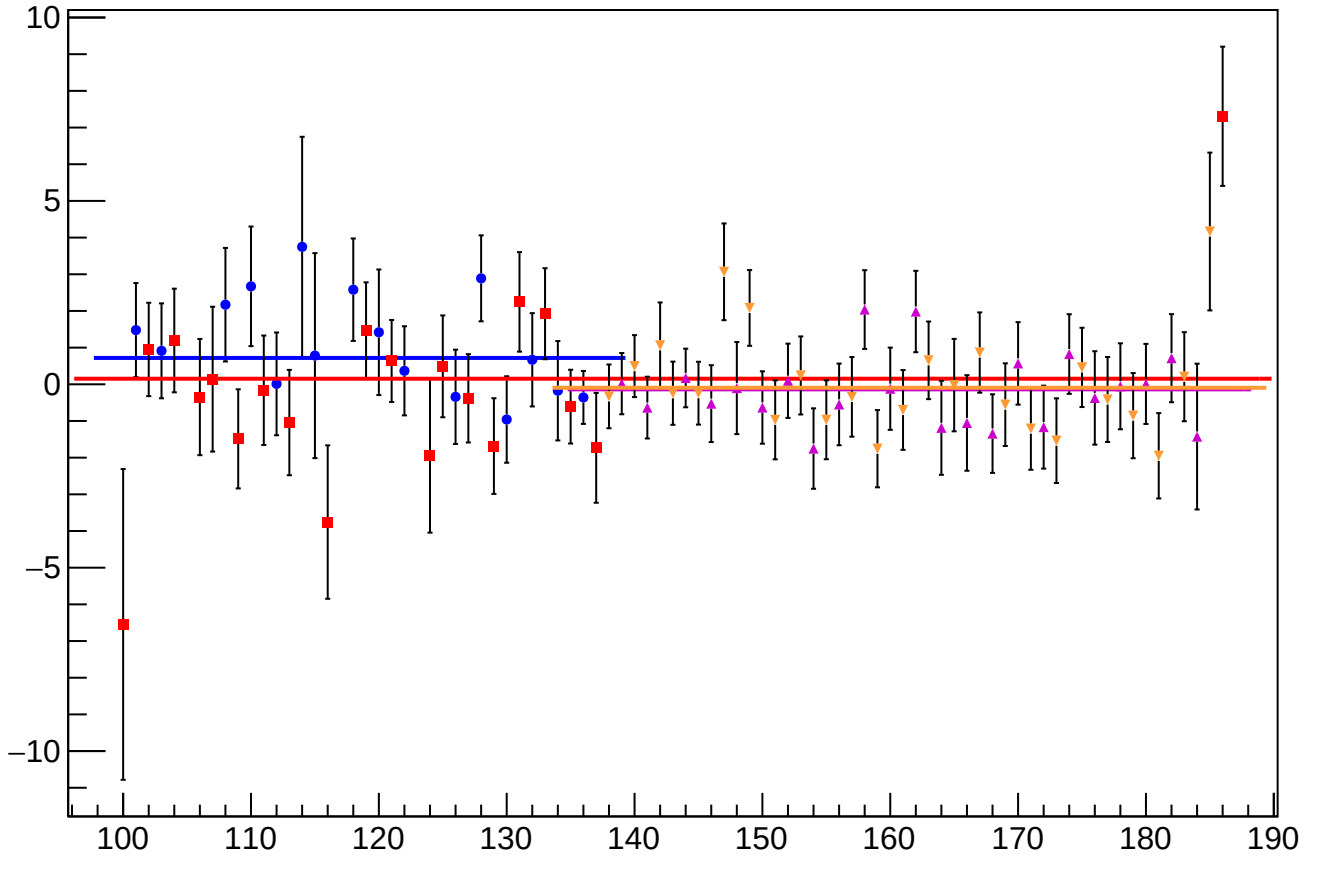
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 7532.655+/-1.433 χ^2/NDF: 2418503.9/35

In: 6844.366+/-0.976 χ^2/NDF:1688919.5/38

Out: 6900.162+/-0.957 χ^2/NDF:2038518.3/44

All: 6872.826+/-0.683 χ^2/NDF: 3729104.0/83



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

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

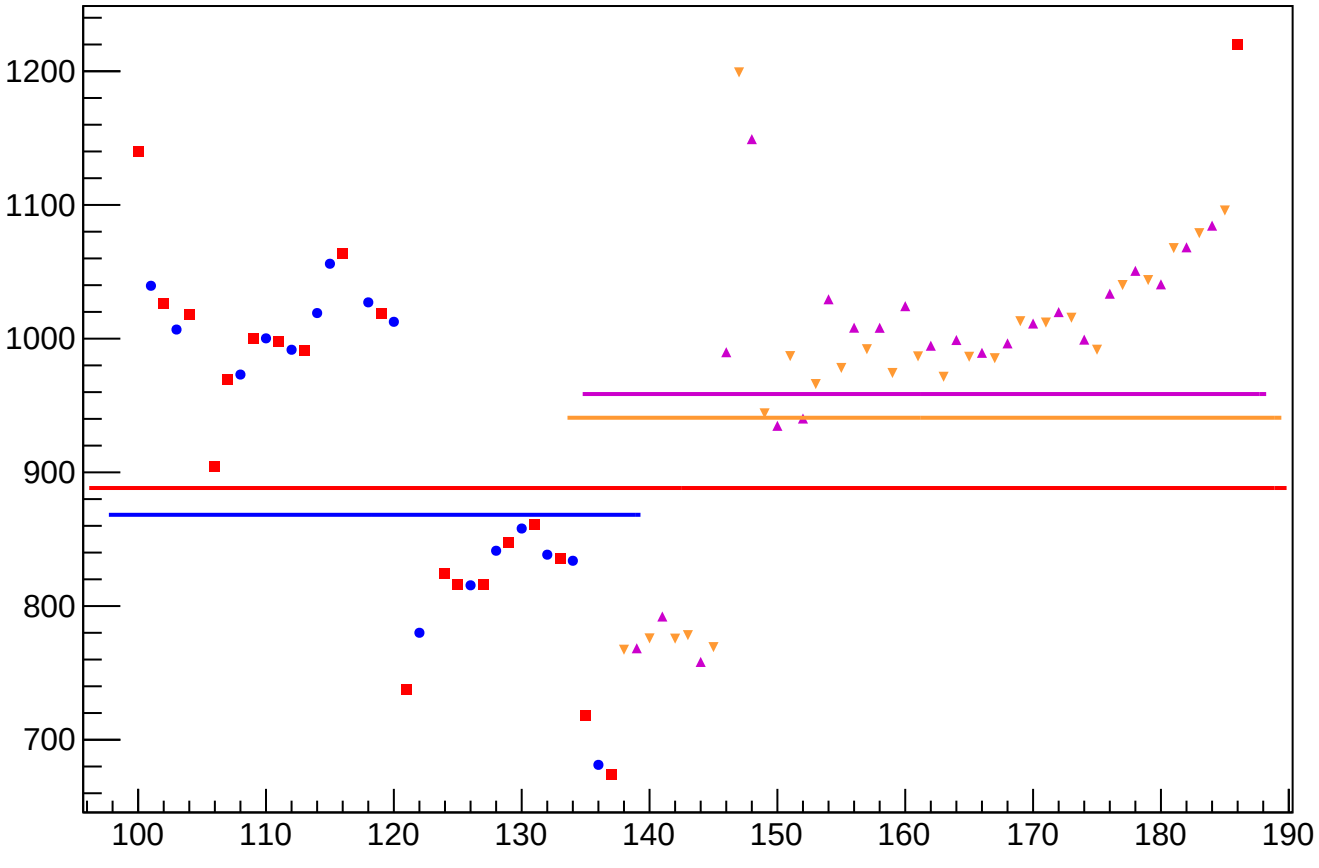
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.429+/-0.228 χ^2/NDF: 50.8/35

In: 0.139+/-0.185 χ^2/NDF:35.9/38

Out: -0.017+/-0.178 χ^2/NDF:62.2/44

All: 0.058+/-0.129 χ^2/NDF: 98.5/83



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

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

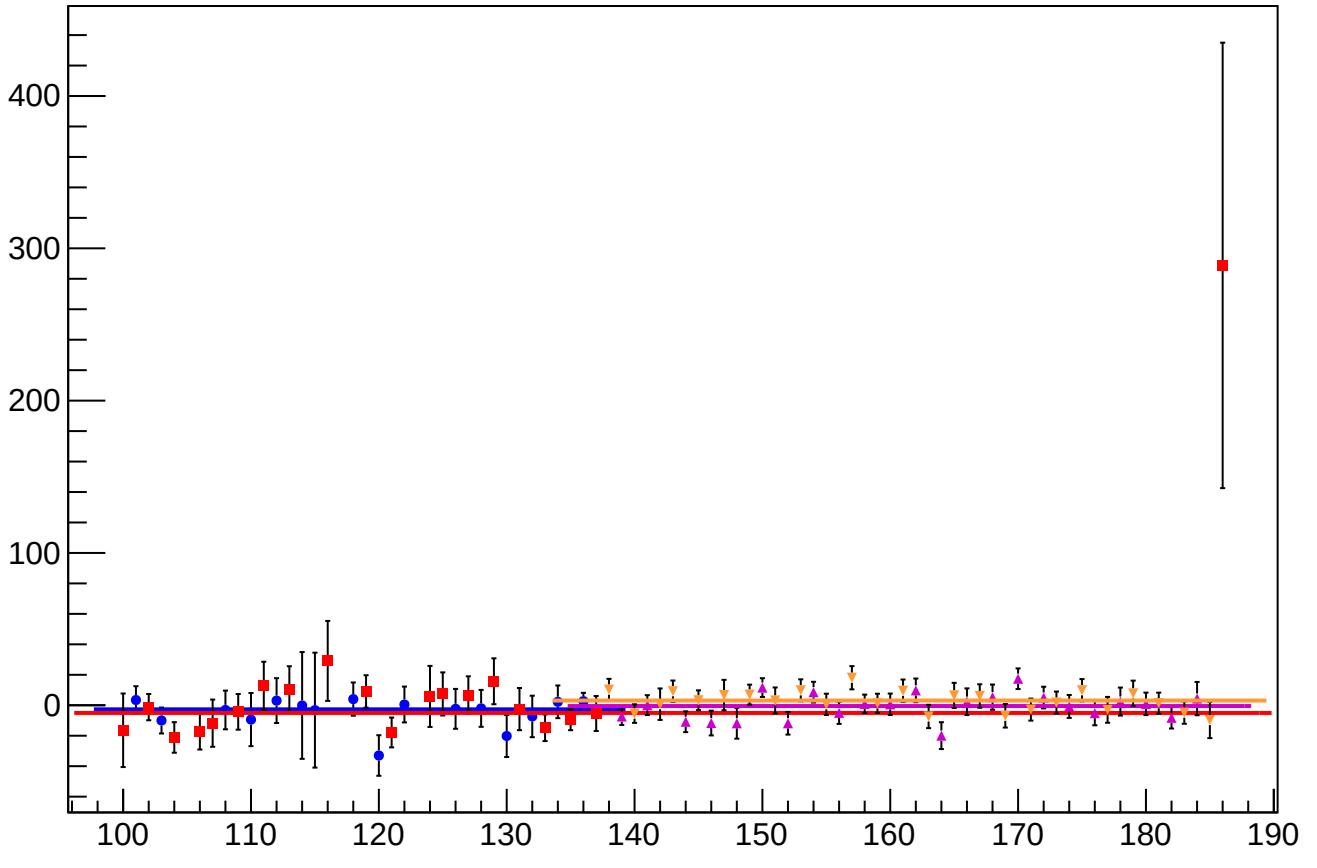
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 878.493+/-0.161 χ^2/NDF: 641693.4/35

In: 929.365+/-0.131 χ^2/NDF:863164.5/38

Out: 924.372+/-0.126 χ^2/NDF:941520.6/44

All: 926.774+/-0.091 χ^2/NDF: 1805438.2/83



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

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

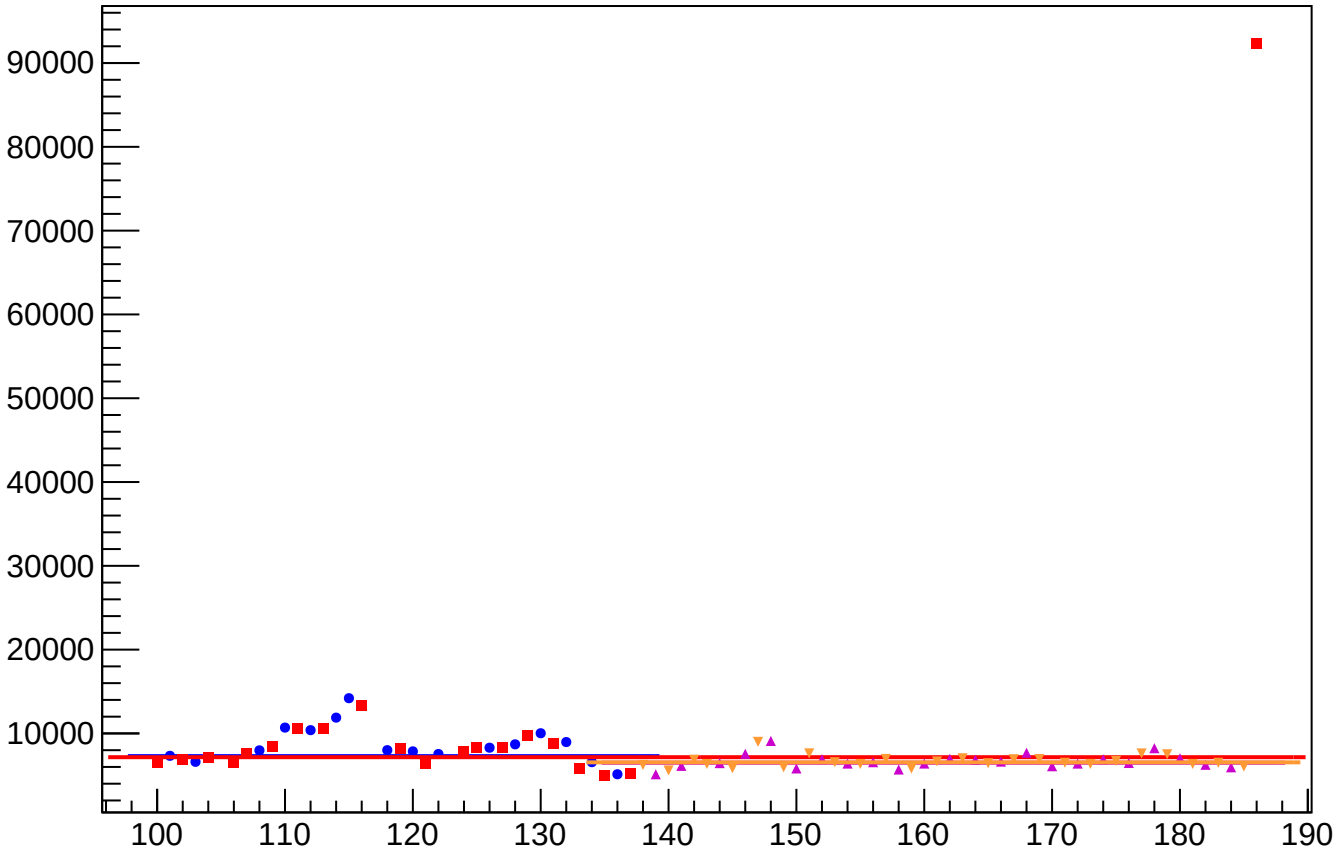
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -3.902+/-1.936 χ^2/NDF: 31.7/35

In: -1.022+/-1.345 χ^2/NDF:42.5/38

Out: 1.171+/-1.310 χ^2/NDF:46.9/44

All: 0.102+/-0.938 χ^2/NDF: 90.8/83



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

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

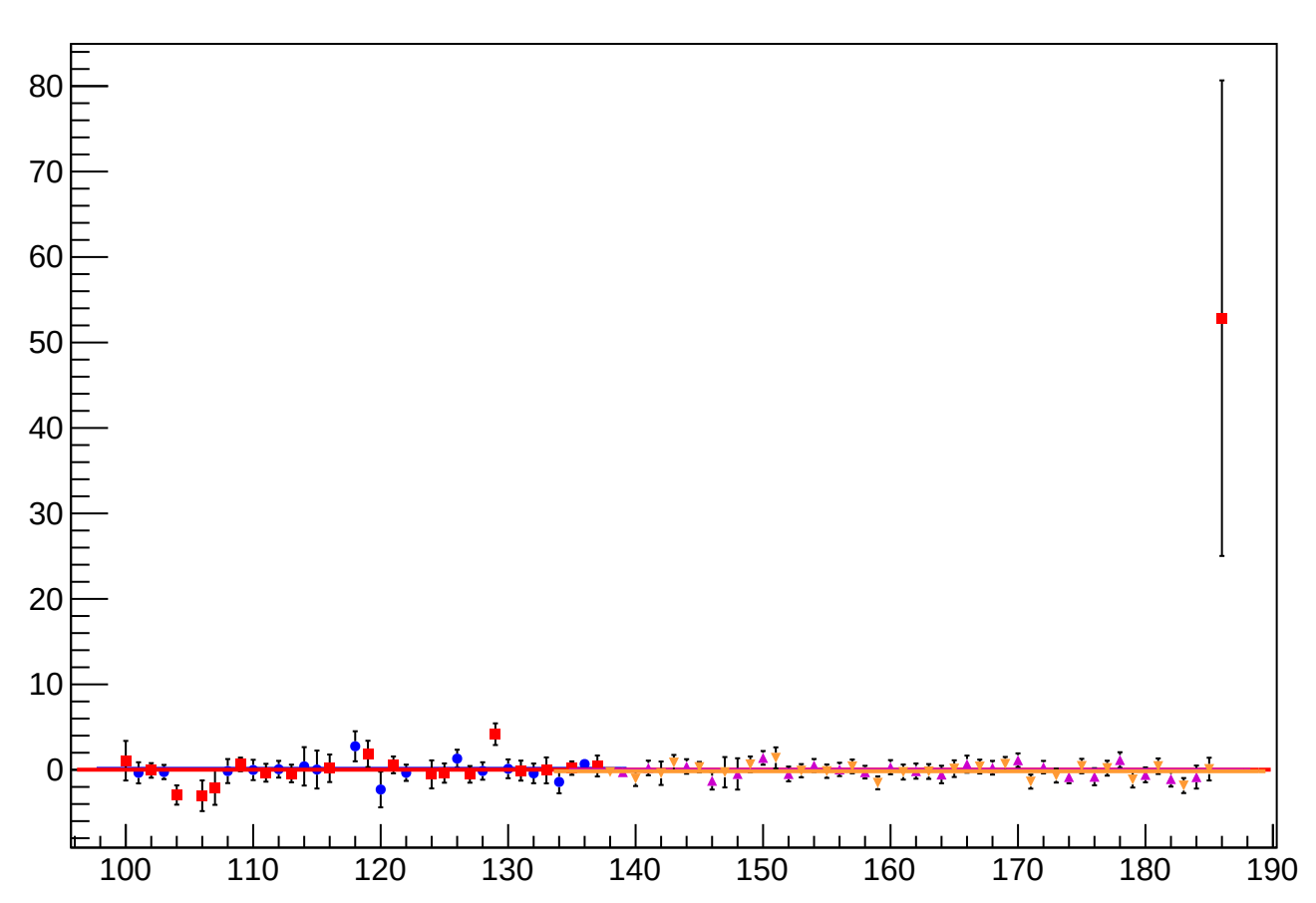
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 7224.517+/-1.369 χ^2/NDF: 2244003.0/35

In: 6687.659+/-0.951 χ^2/NDF:1407740.4/38

Out: 6694.532+/-0.927 χ^2/NDF:1916918.9/44

All: 6691.184+/-0.664 χ^2/NDF: 3324686.0/83



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

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

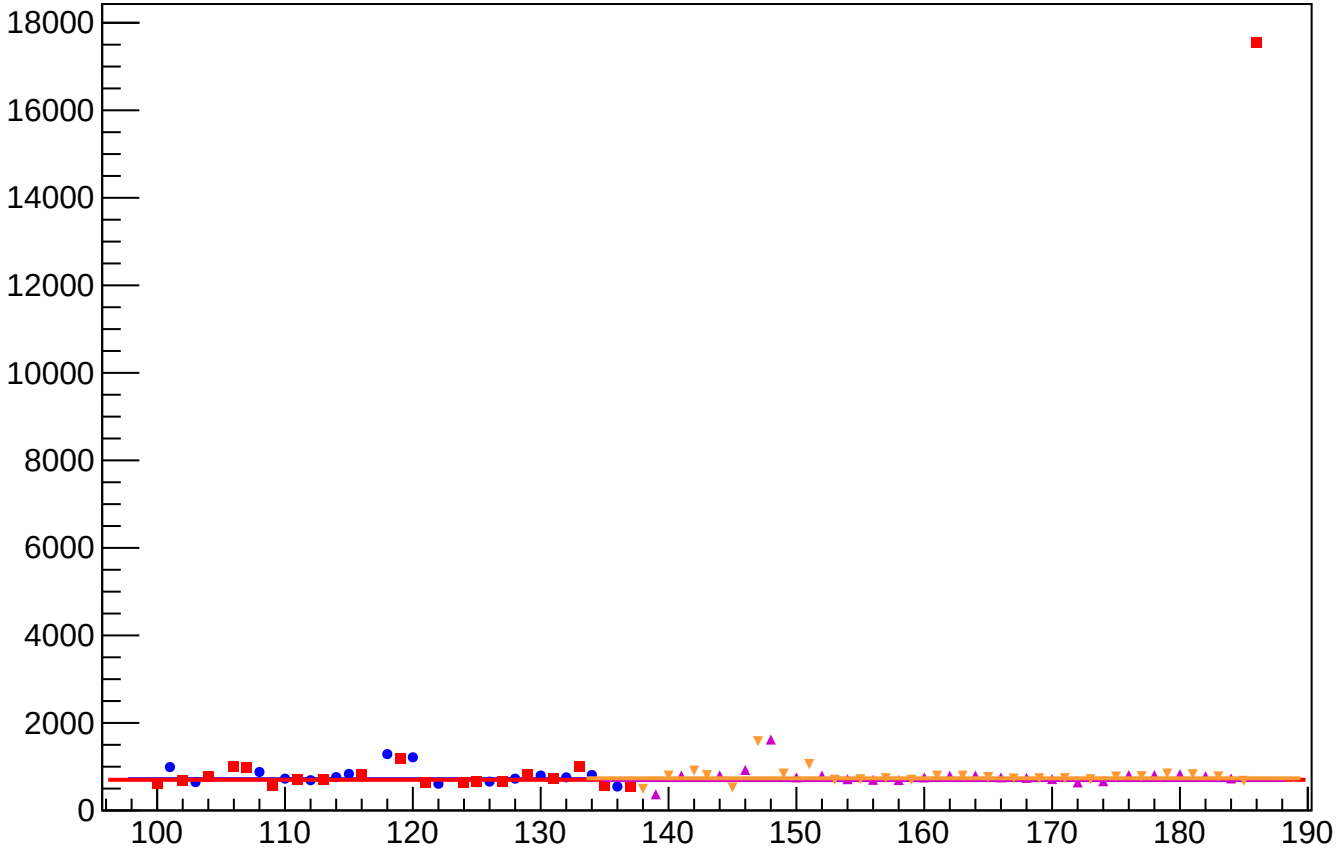
Right: 0.065+/-0.190 χ^2/NDF: 37.0/35

In: 0.020+/-0.144 χ^2/NDF:23.5/38

Out: -0.109+/-0.144 χ^2/NDF:48.1/44

All: -0.044+/-0.102 χ^2/NDF: 72.0/83

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

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

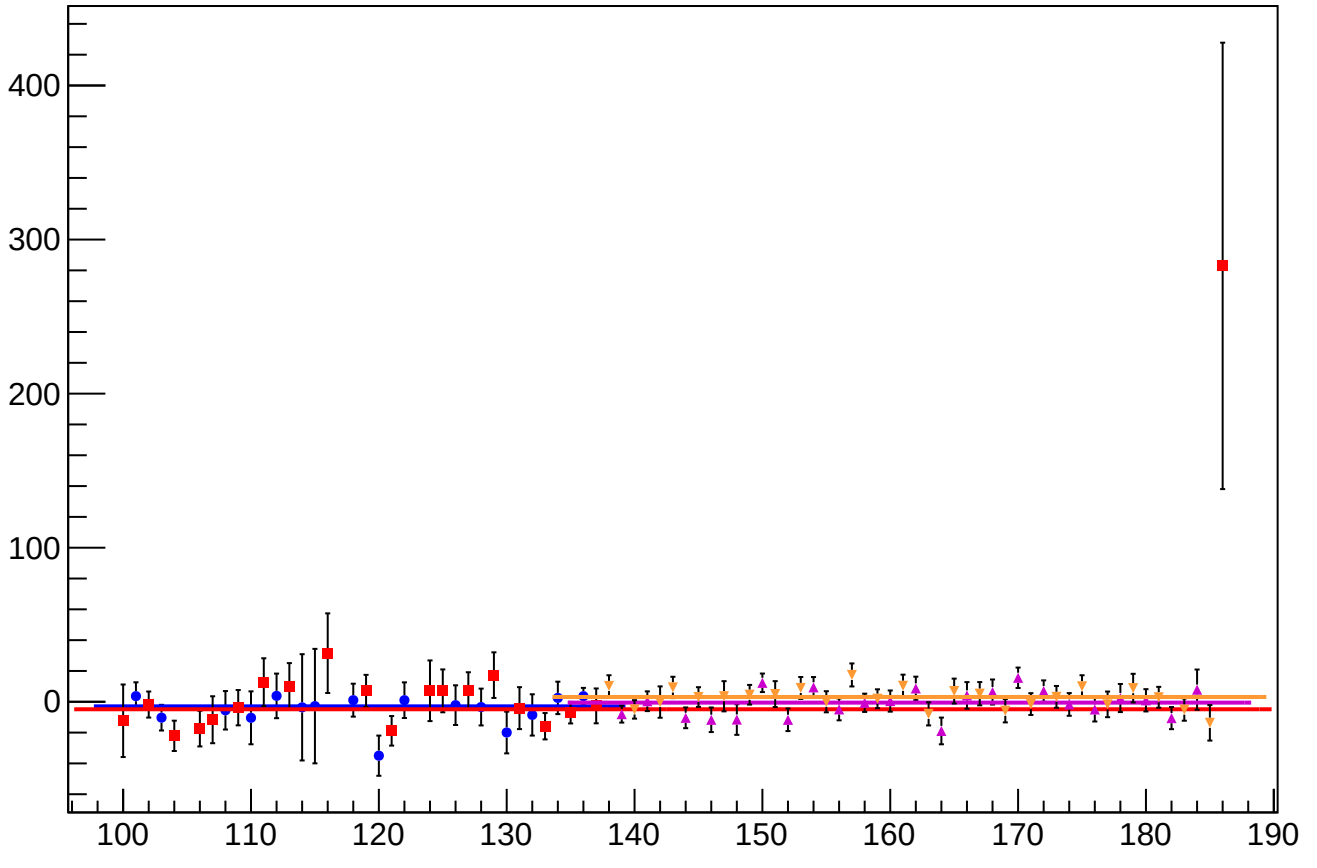
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 707.084+/-0.134 χ^2/NDF: 2010821.6/35

In: 699.545+/-0.102 χ^2/NDF:2931750.0/38

Out: 724.807+/-0.102 χ^2/NDF:2672395.8/44

All: 712.151+/-0.072 χ^2/NDF: 5634961.7/83



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

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

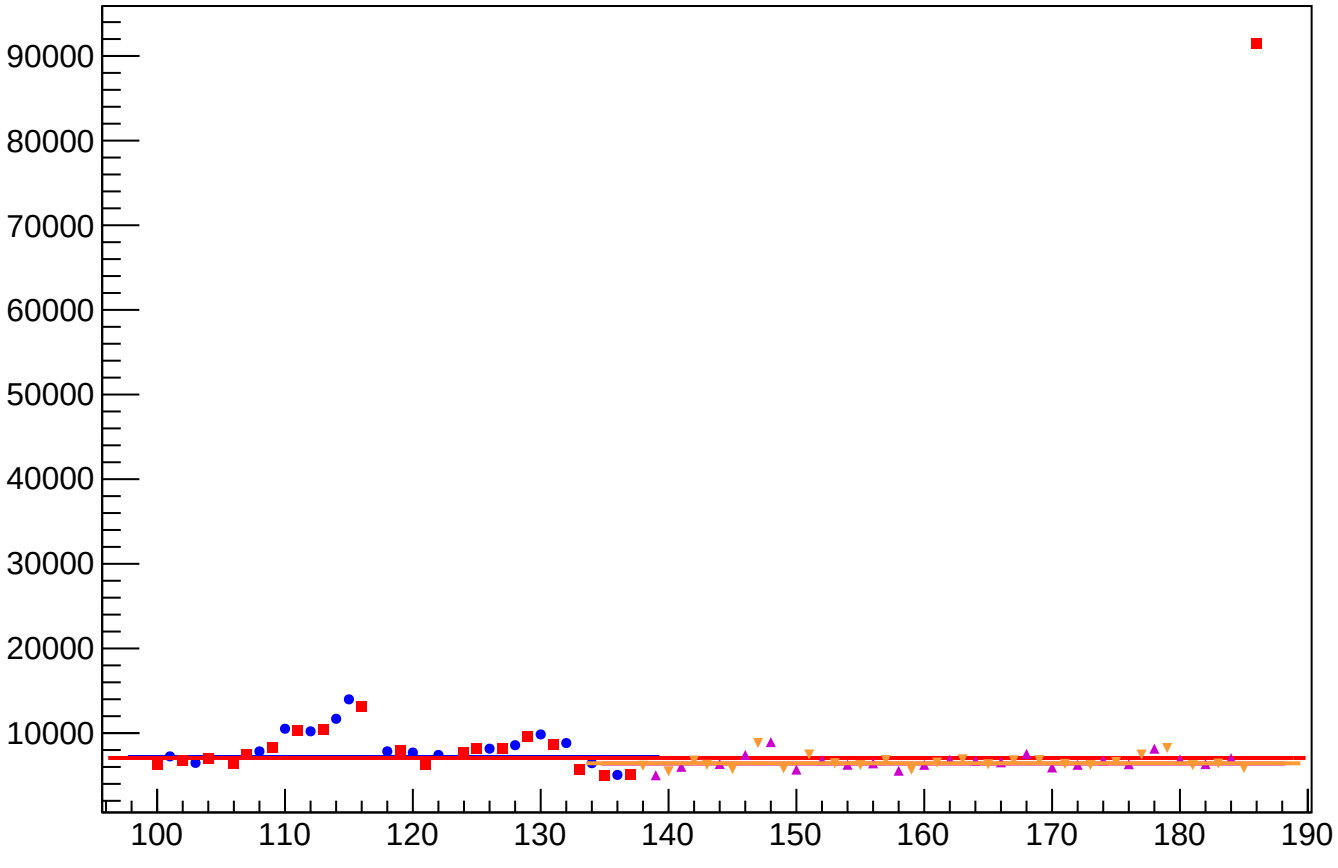
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -3.949+/-1.908 χ^2/NDF: 34.2/35

In: -1.114+/-1.325 χ^2/NDF:45.8/38

Out: 1.227+/-1.290 χ^2/NDF:48.0/44

All: 0.088+/-0.924 χ^2/NDF: 95.4/83



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

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

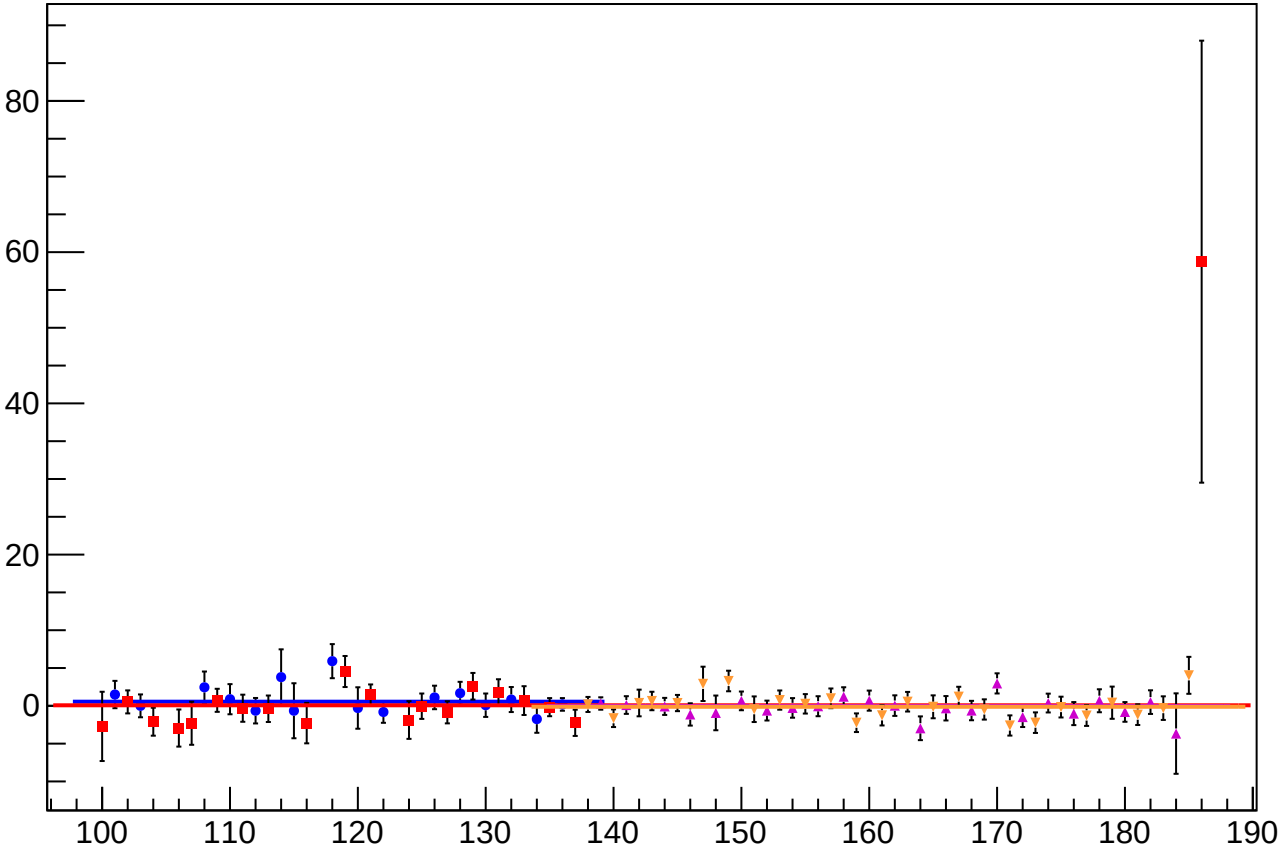
Right: 7118.363+/-1.349 χ^2/NDF: 2209305.8/35

In: 6585.301+/-0.937 χ^2/NDF:1408829.1/38

Out: 6583.498+/-0.912 χ^2/NDF:1947978.1/44

All: 6584.375+/-0.654 χ^2/NDF: 3356809.1/83

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.122+/-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

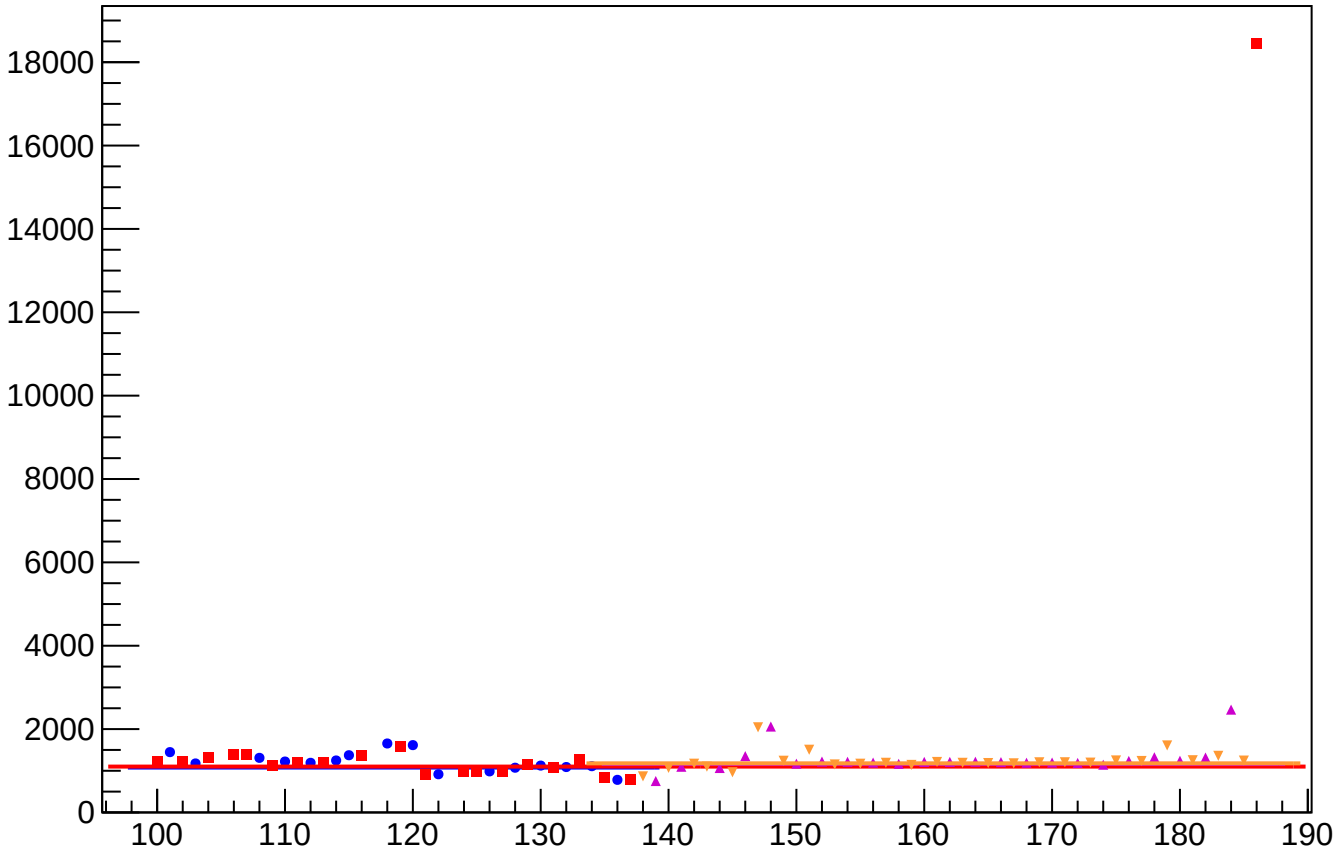
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: 0.308+/-0.290 χ^2/NDF: 33.5/35

In: 0.152+/-0.231 χ^2/NDF:27.7/38

Out: -0.063+/-0.227 χ^2/NDF:48.0/44

All: 0.043+/-0.162 χ^2/NDF: 76.2/83



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

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

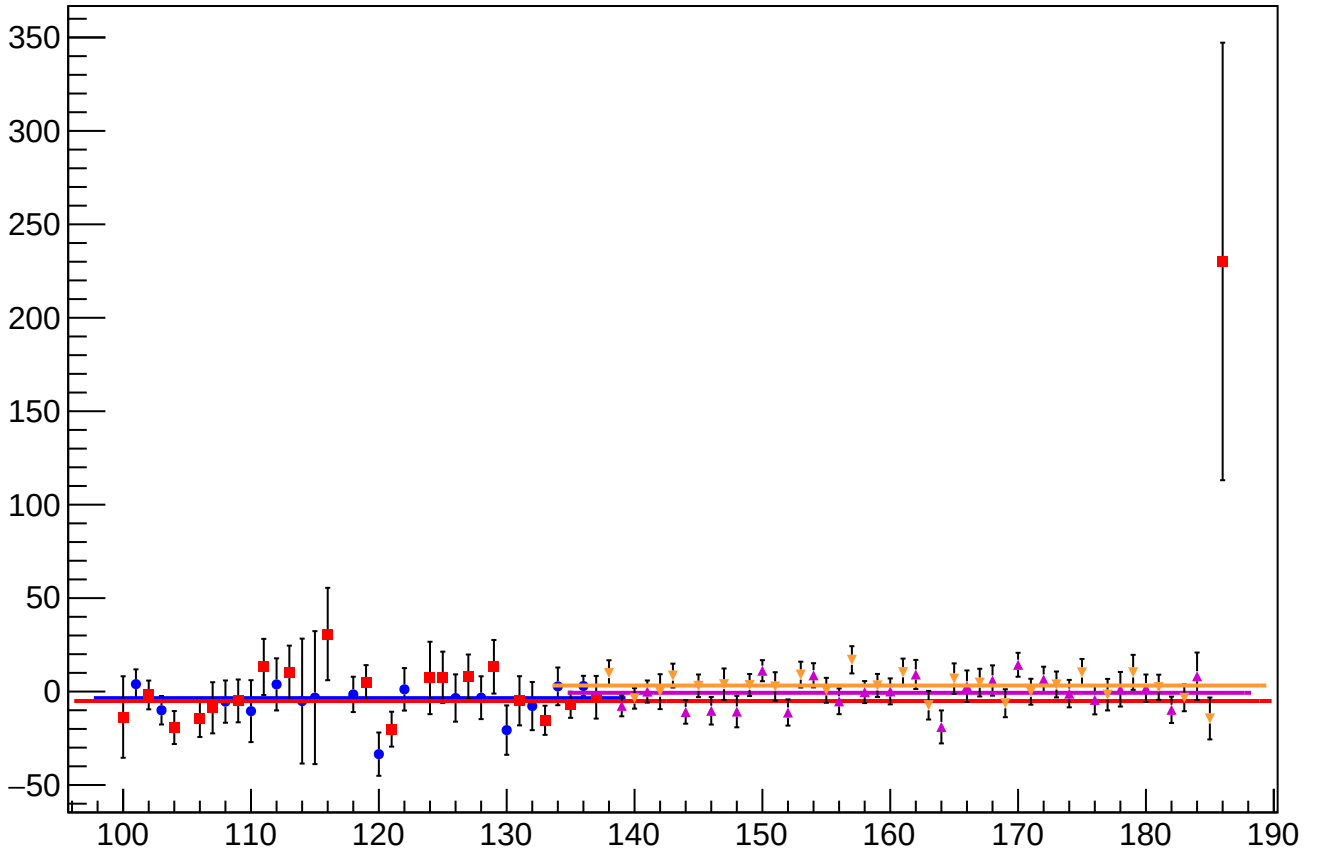
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1088.962+/-0.205 χ^2/NDF: 1838243.0/35

In: 1136.580+/-0.163 χ^2/NDF:1759484.7/38

Out: 1153.874+/-0.161 χ^2/NDF:2038754.2/44

All: 1145.353+/-0.114 χ^2/NDF: 3803946.8/83



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

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

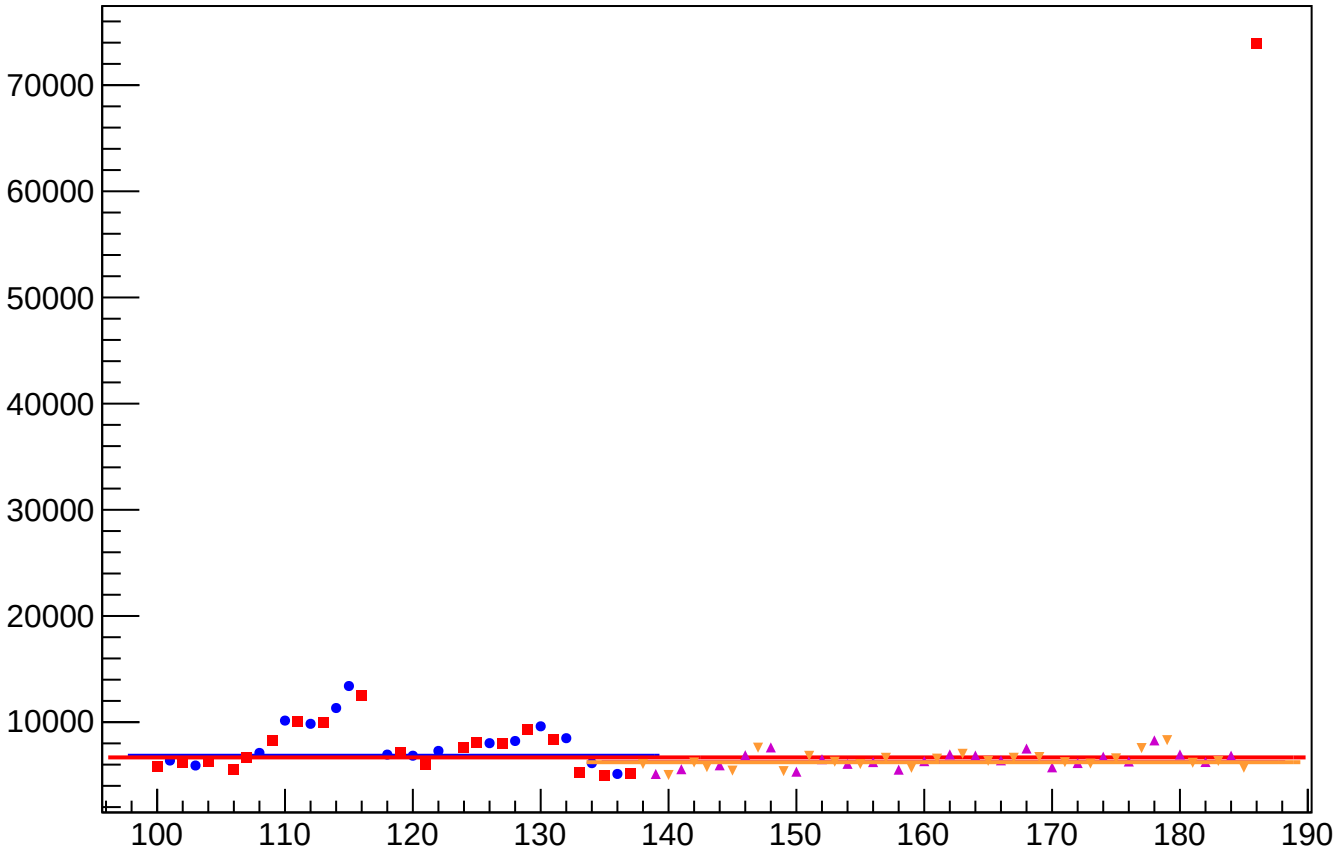
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -4.328+/-1.808 χ^2/NDF: 35.0/35

In: -1.359+/-1.283 χ^2/NDF:45.9/38

Out: 1.198+/-1.242 χ^2/NDF:48.4/44

All: -0.039+/-0.892 χ^2/NDF: 96.3/83



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

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

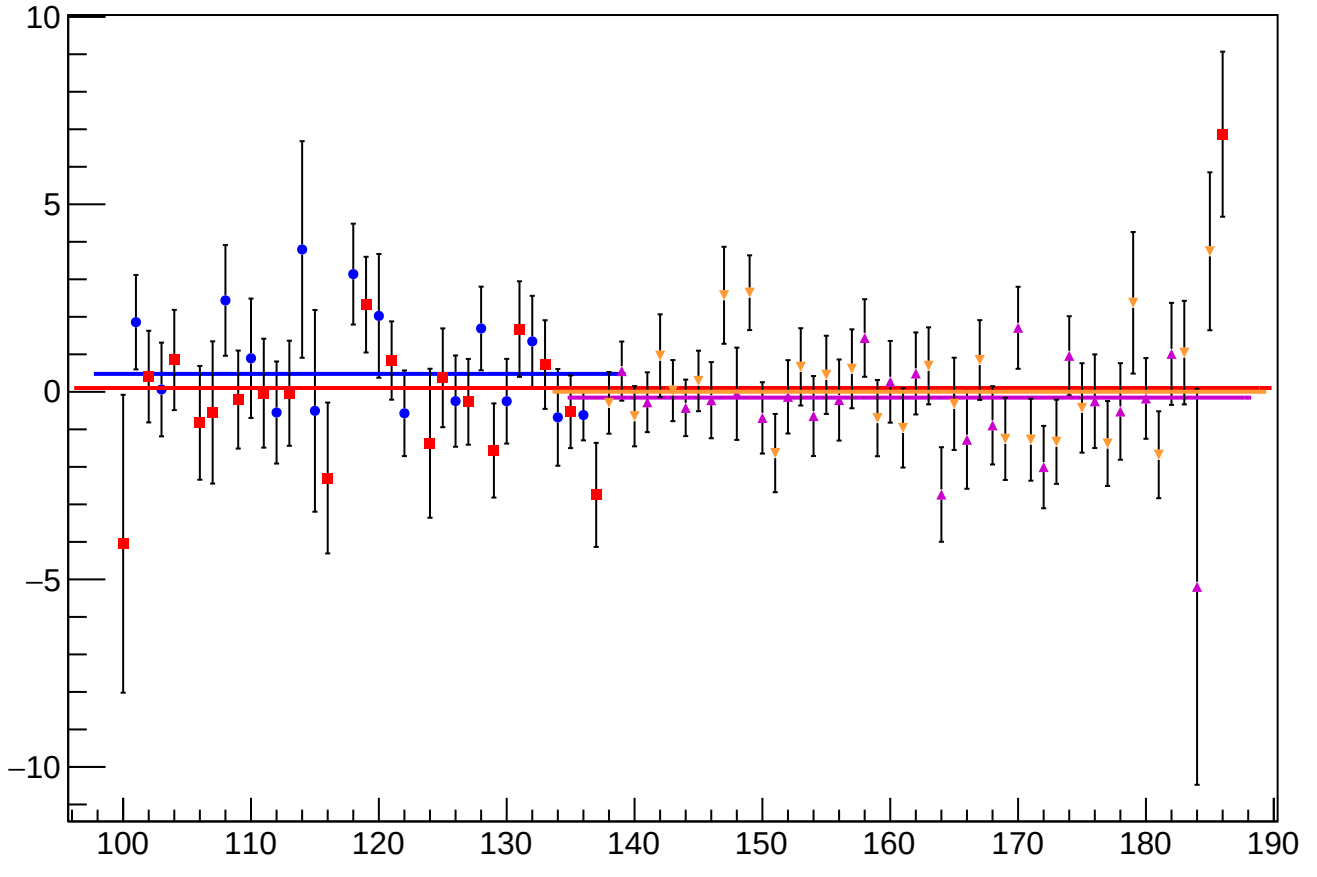
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 6753.540+/-1.278 χ^2/NDF: 2141615.3/35

In: 6388.986+/-0.907 χ^2/NDF:1254639.2/38

Out: 6339.100+/-0.878 χ^2/NDF:1964709.6/44

All: 6363.231+/-0.631 χ^2/NDF: 3220909.8/83



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

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

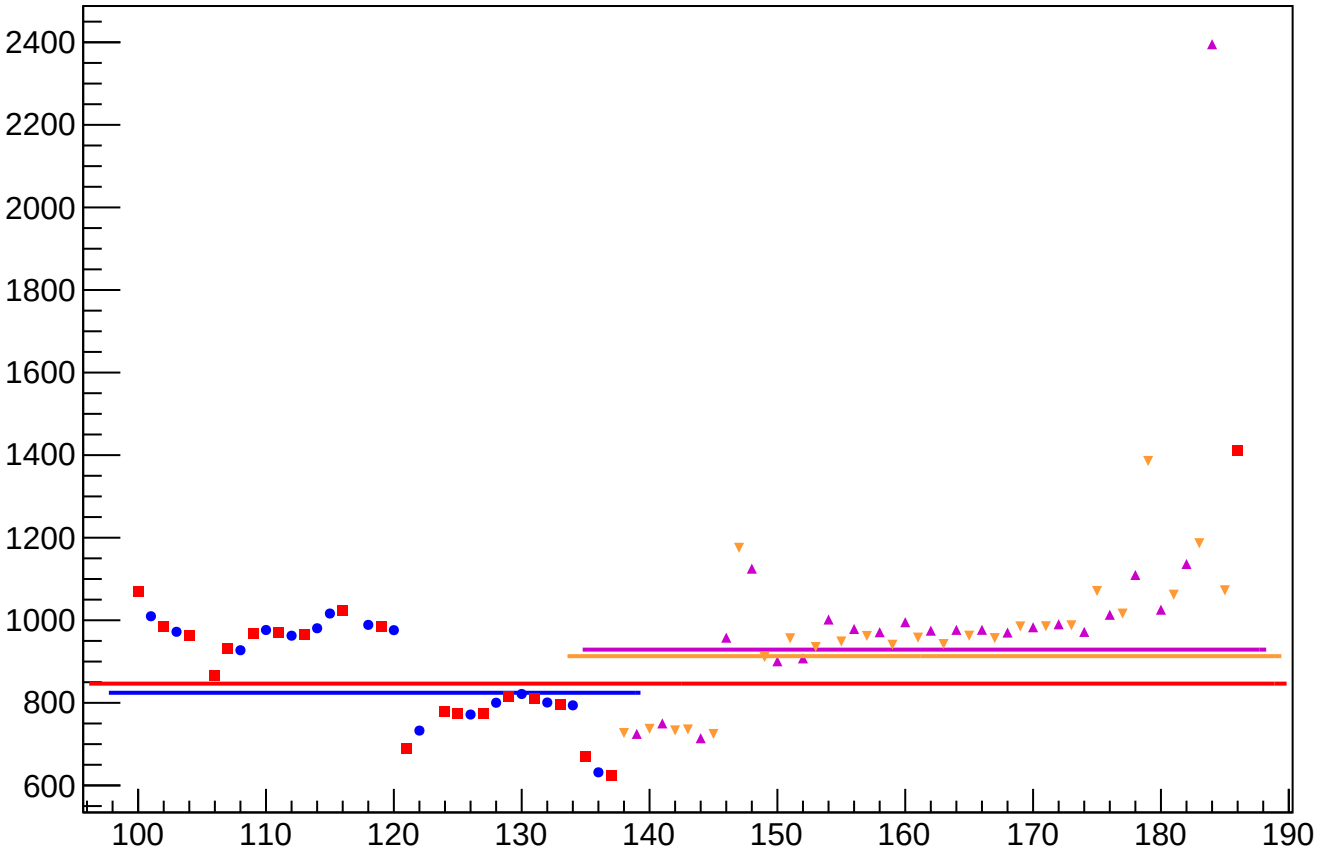
Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

Right: 0.288+/-0.218 χ^2/NDF: 42.8/35

In: 0.058+/-0.180 χ^2/NDF:37.9/38

Out: 0.036+/-0.174 χ^2/NDF:57.1/44

All: 0.047+/-0.125 χ^2/NDF: 95.0/83



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

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

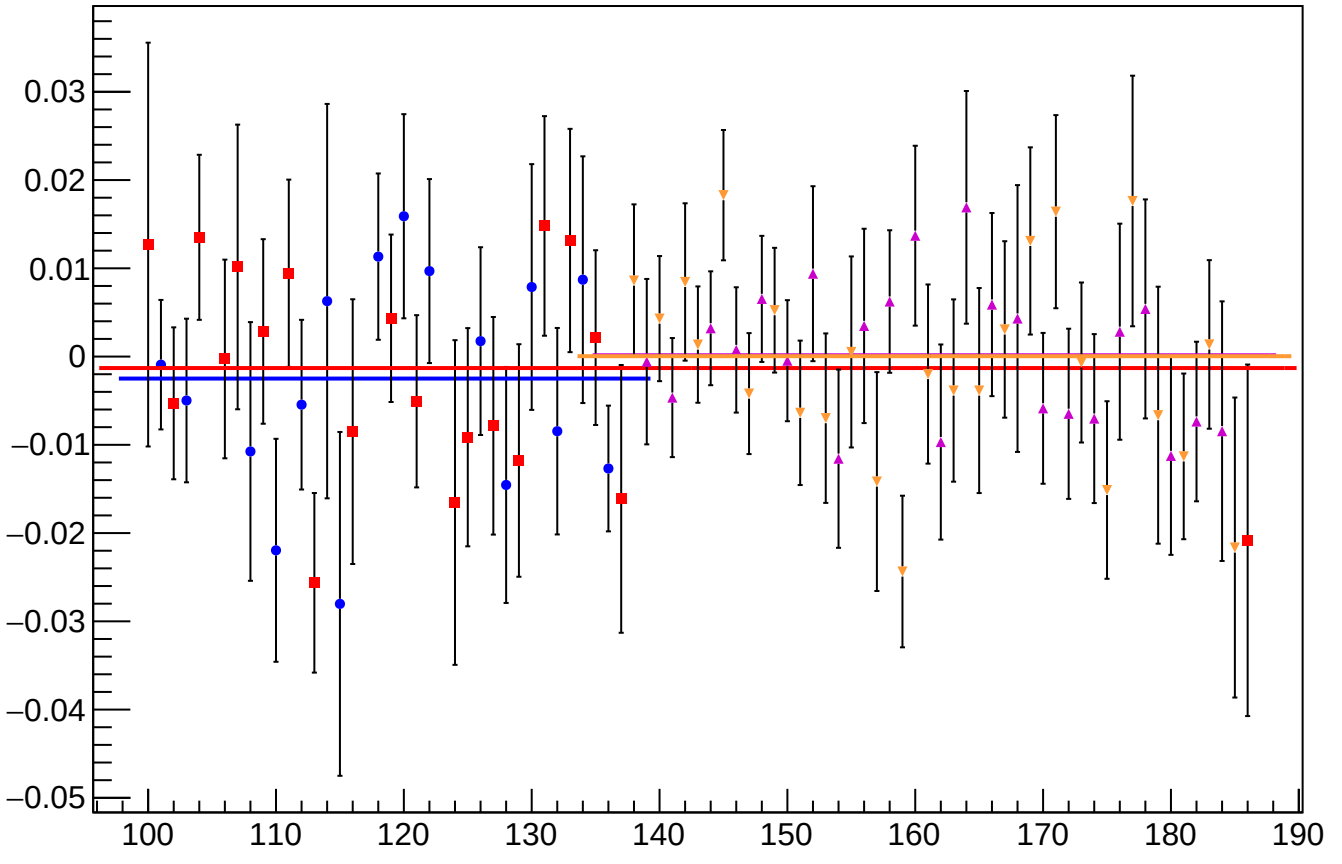
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 835.679+/-0.154 χ^2/NDF: 824418.9/35

In: 893.810+/-0.127 χ^2/NDF:1284618.8/38

Out: 891.465+/-0.123 χ^2/NDF:1407006.8/44

All: 892.598+/-0.089 χ^2/NDF: 2691800.9/83



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

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

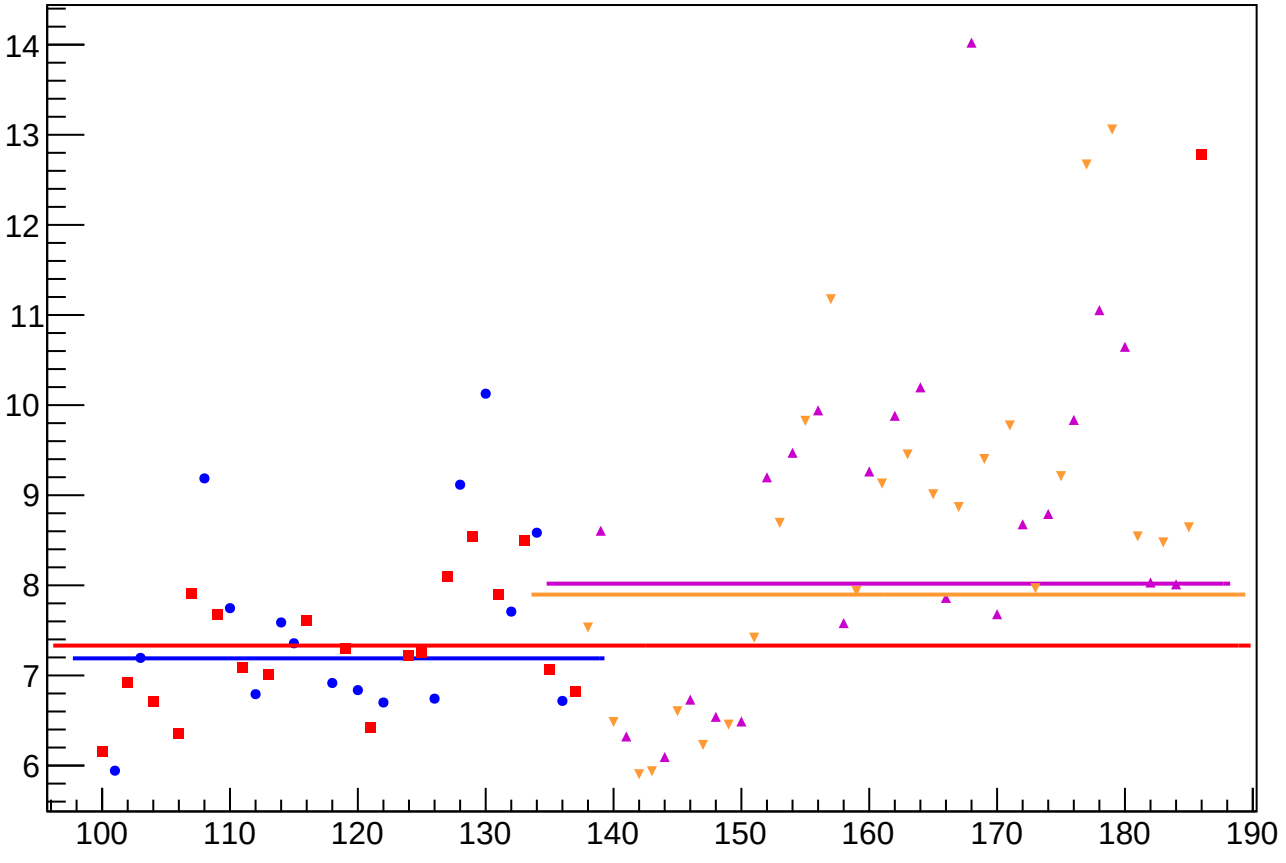
Right: -0.002+/-0.002 χ^2/NDF: 33.7/35

In: -0.001+/-0.002 χ^2/NDF:28.7/38

Out: -0.000+/-0.002 χ^2/NDF:49.6/44

All: -0.001+/-0.001 χ^2/NDF: 78.3/83

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

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

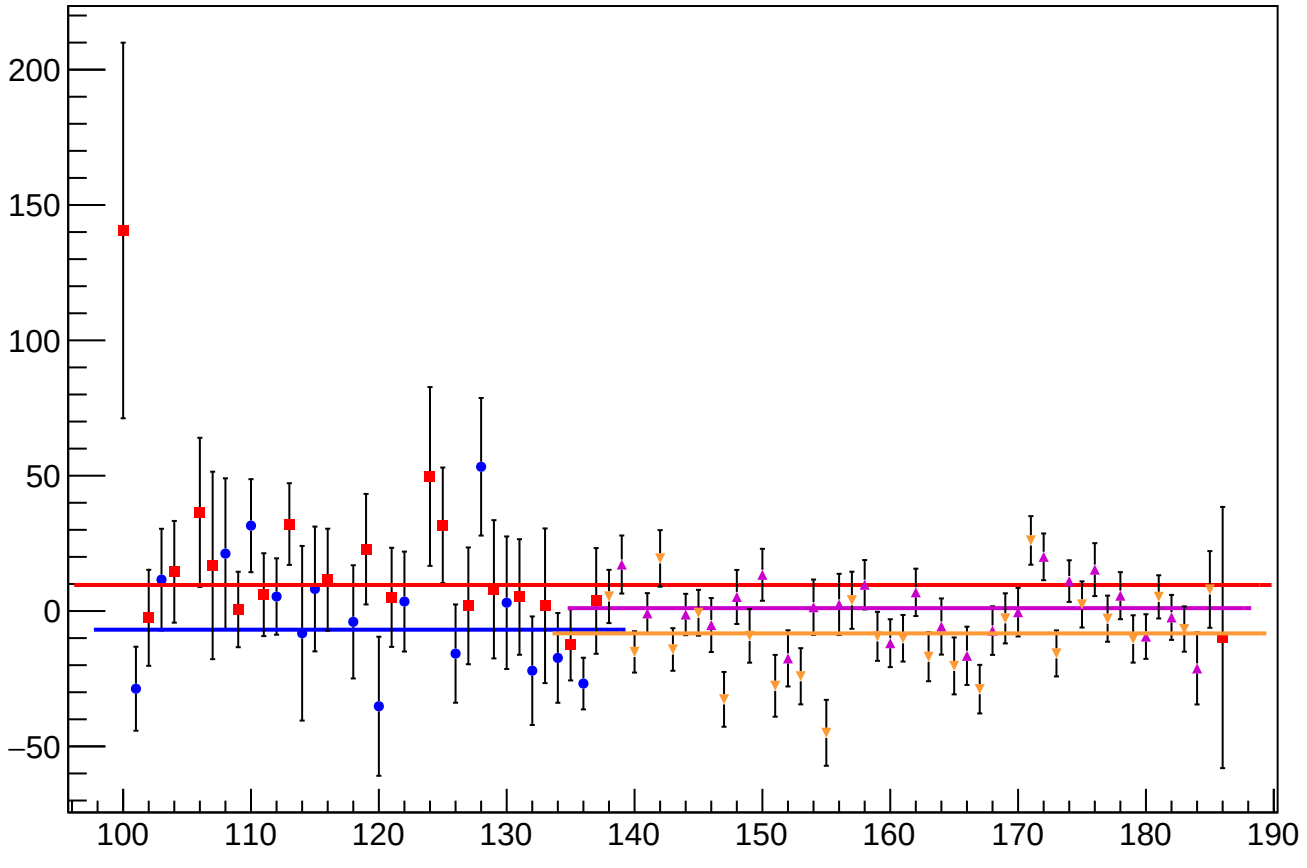
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 7.263+/-0.001 χ^2/NDF: 539217.7/35

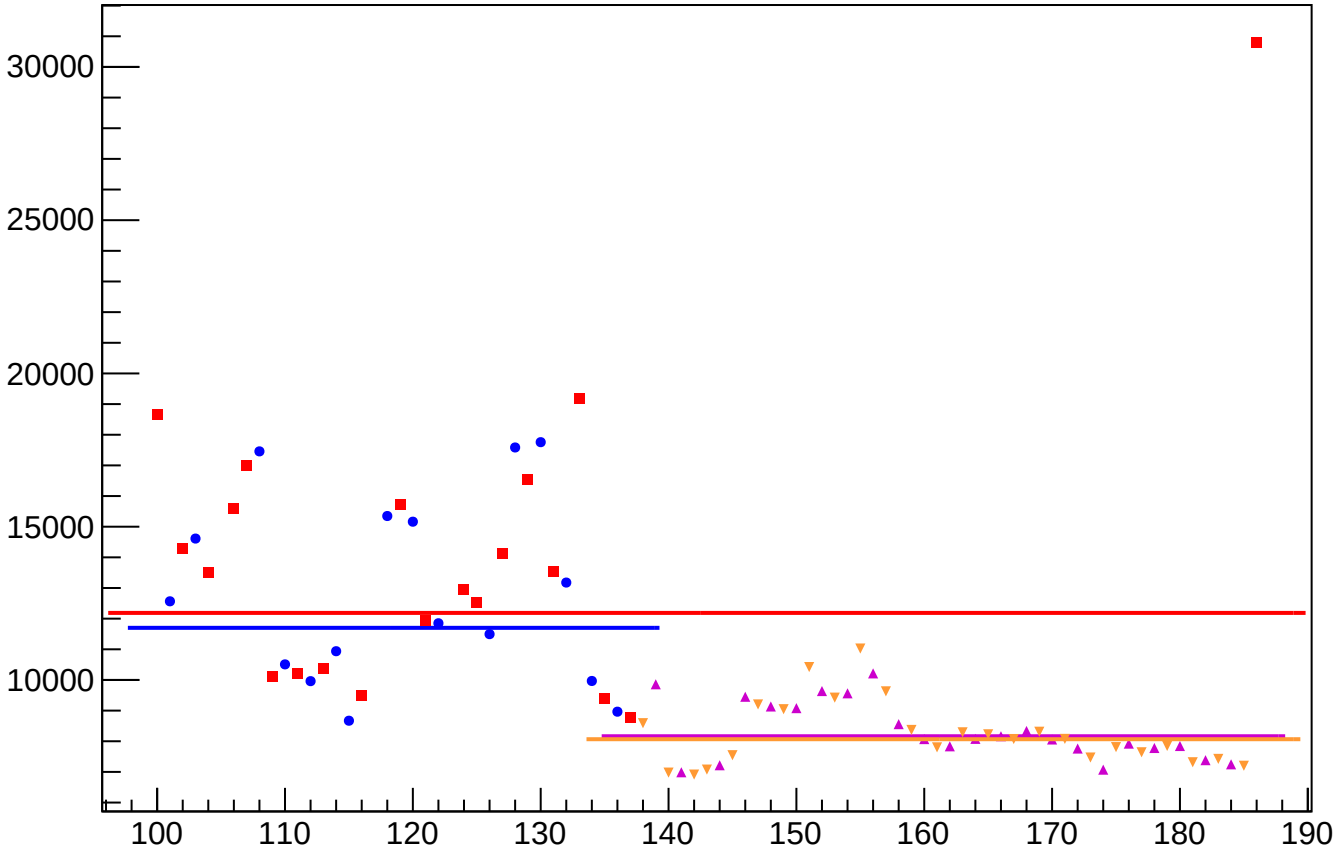
In: 7.742+/-0.001 χ^2/NDF:1858159.9/38

Out: 7.712+/-0.001 χ^2/NDF:1911533.5/44

All: 7.726+/-0.001 χ^2/NDF: 3770091.5/83


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -8.256+/-1.849 χ²/NDF:62.2/24
Right Out: 9.620+/-4.498 χ²/NDF: 14.1/19
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: 1.347+/-3.177 χ²/NDF: 43.9/35
In: -0.161+/-1.766 χ²/NDF:54.5/38
Out: -5.671+/-1.710 χ²/NDF:89.8/44
All: -3.004+/-1.229 χ²/NDF: 149.4/83

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

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

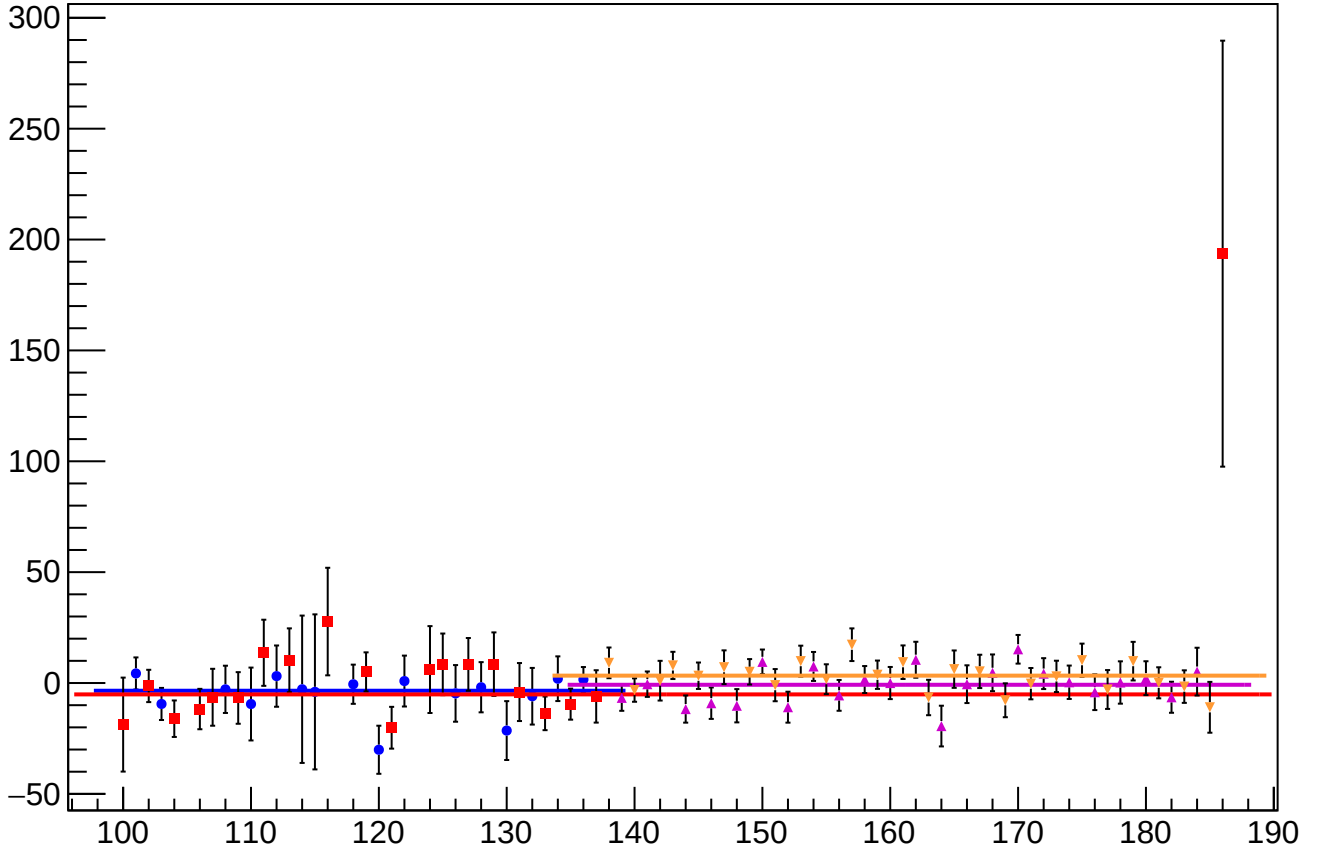
Right: 11943.481+/-2.247 χ^2/NDF: 1736661.3/35

In: 8711.016+/-1.249 χ^2/NDF:2222381.1/38

Out: 8662.667+/-1.209 χ^2/NDF:2918826.3/44

All: 8686.070+/-0.869 χ^2/NDF: 5141980.9/83

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

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

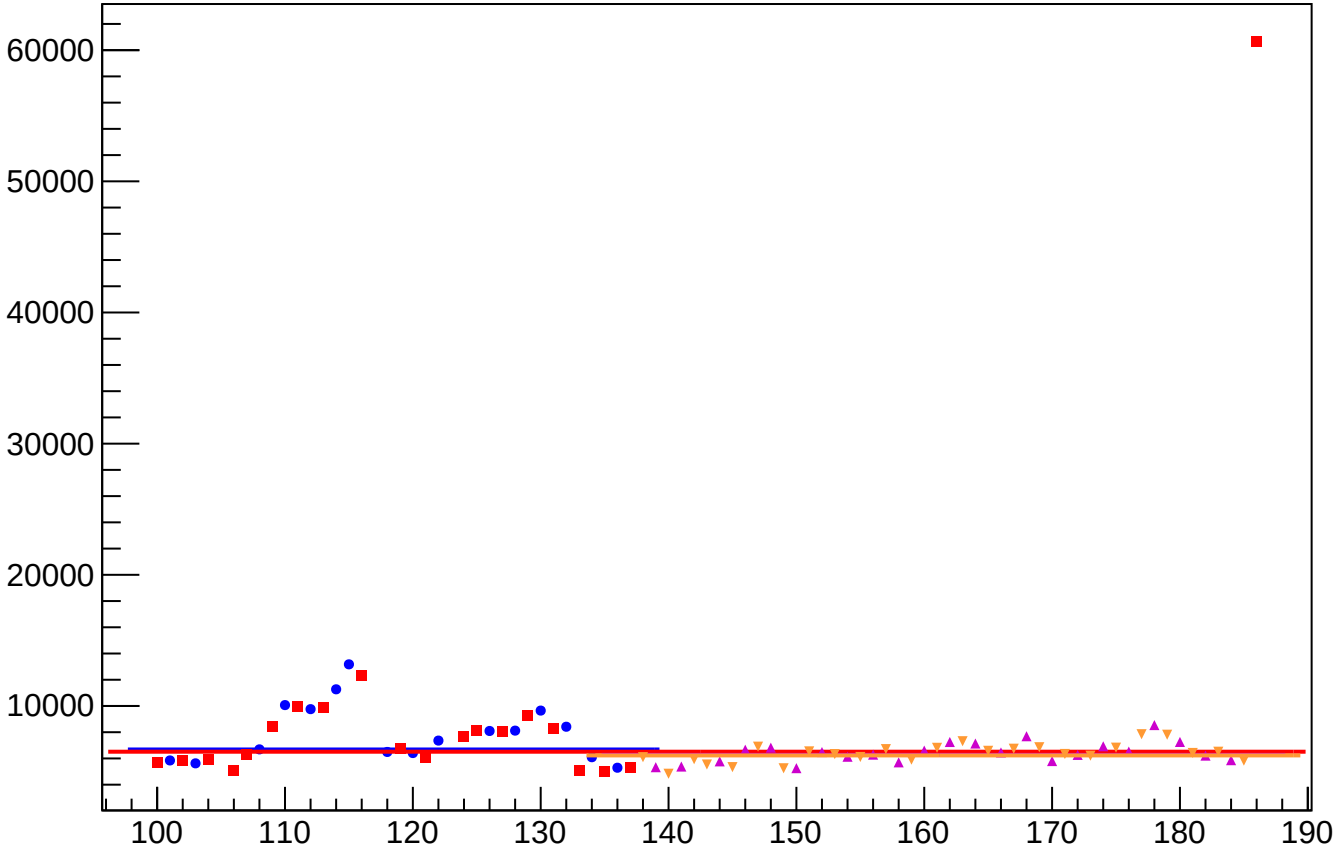
Right: -4.342+/-1.765 χ^2/NDF: 32.6/35

In: -1.473+/-1.279 χ^2/NDF:41.7/38

Out: 1.173+/-1.235 χ^2/NDF:46.7/44

All: -0.103+/-0.888 χ^2/NDF: 90.7/83

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6513.242+/-1.729 χ^2/NDF: 1475050.5/19

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

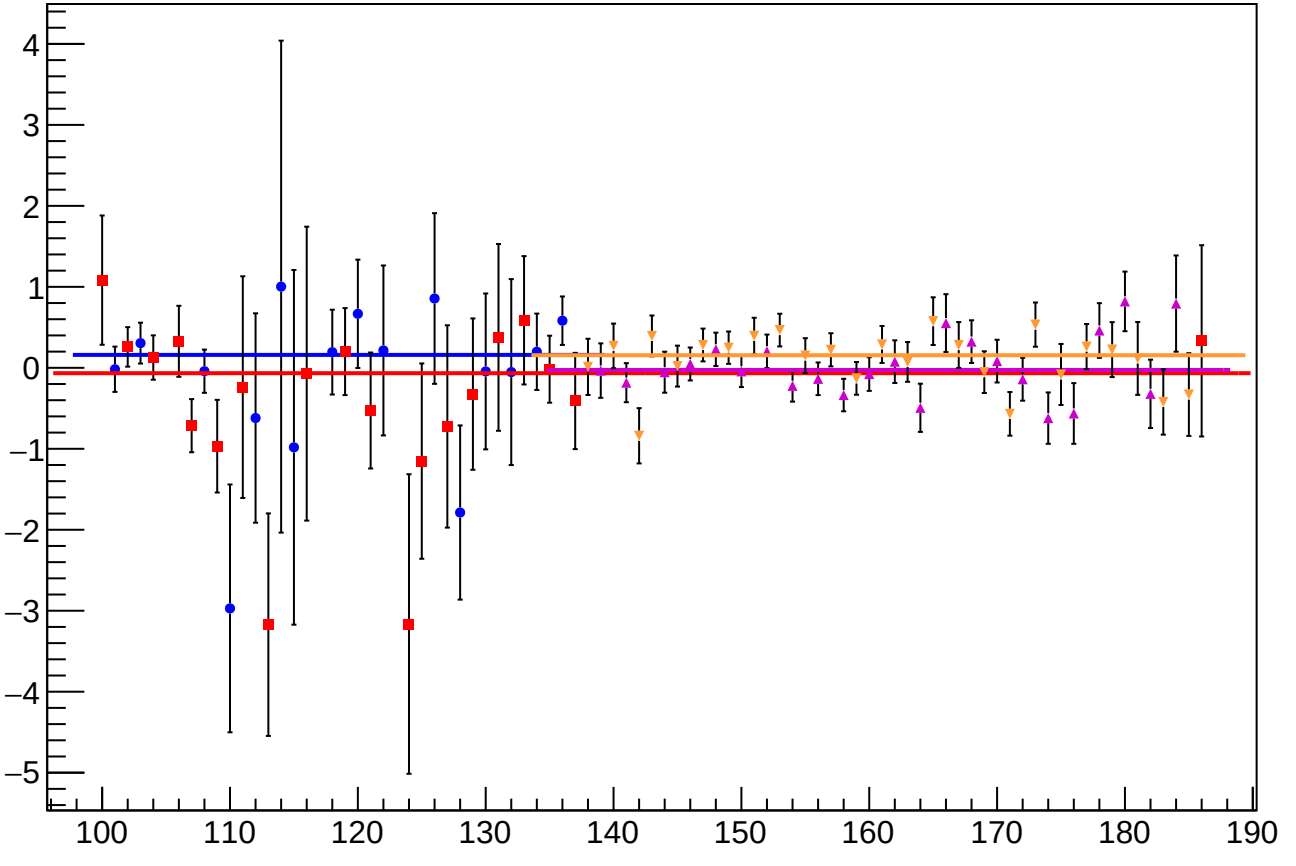
Right: 6594.579+/-1.248 χ^2/NDF: 2171867.8/35

In: 6374.566+/-0.904 χ^2/NDF:1236033.0/38

Out: 6302.907+/-0.873 χ^2/NDF:2027487.2/44

All: 6337.474+/-0.628 χ^2/NDF: 3266769.3/83

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

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

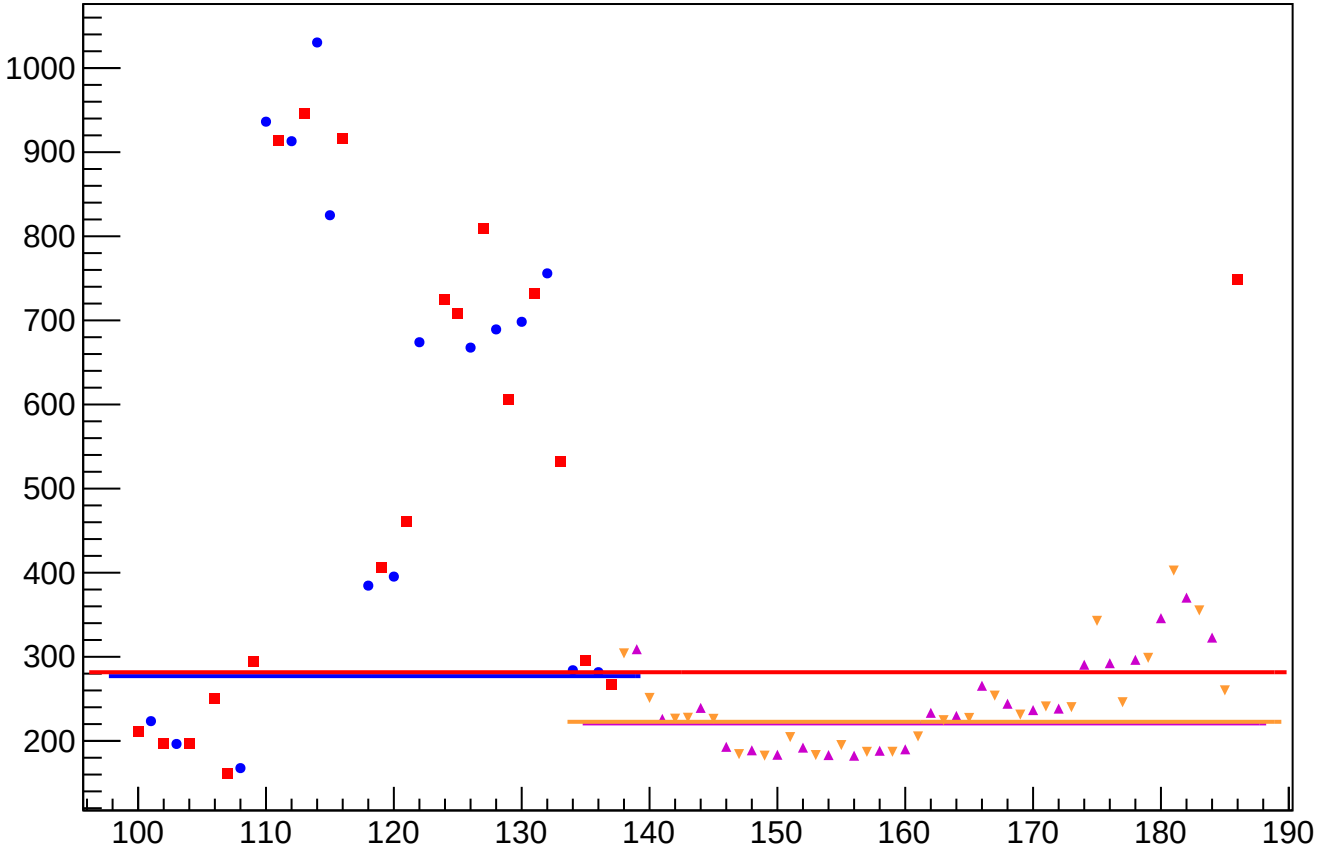
Right: 0.046+/-0.084 χ^2/NDF: 36.9/35

In: 0.004+/-0.048 χ^2/NDF:44.4/38

Out: 0.120+/-0.048 χ^2/NDF:57.8/44

All: 0.063+/-0.034 χ^2/NDF: 105.1/83

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

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

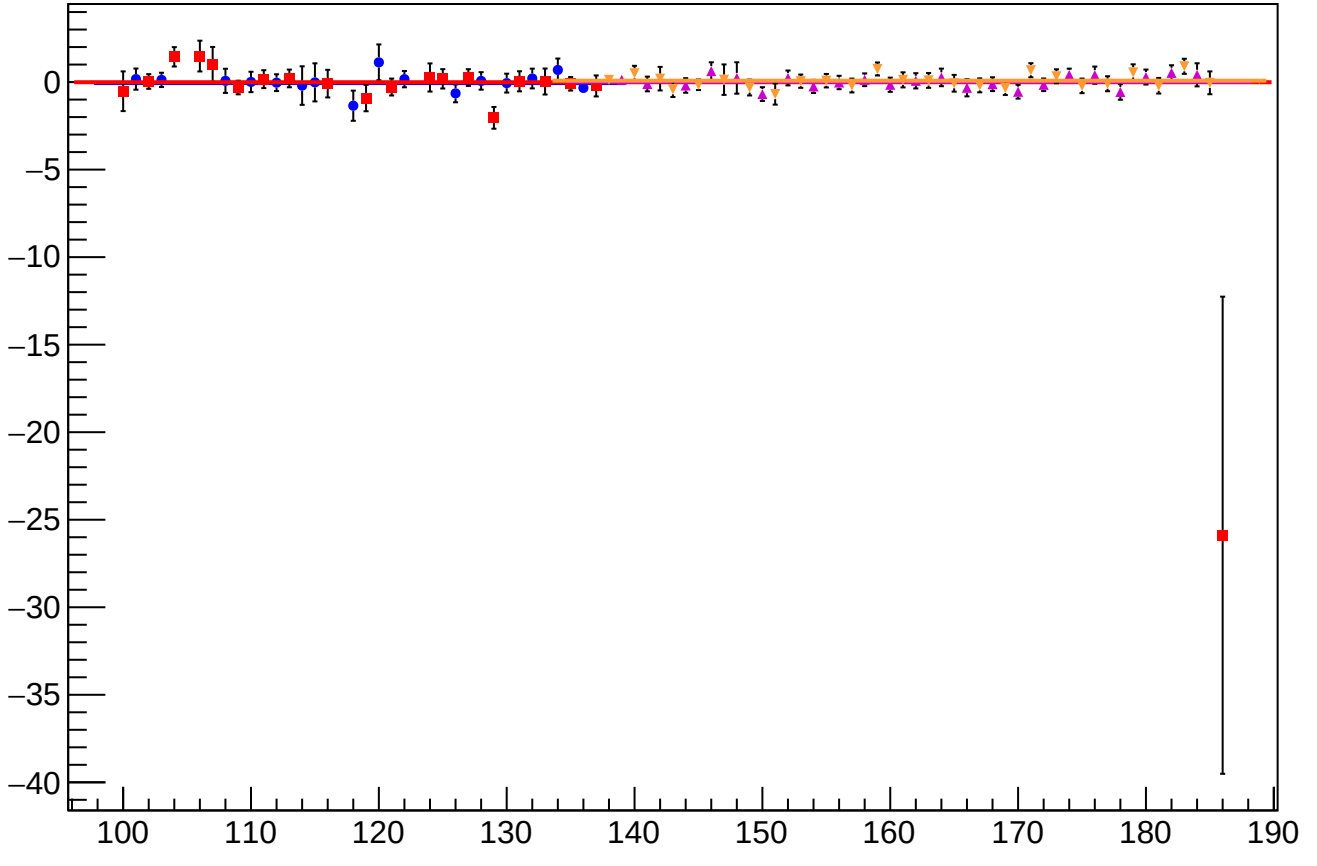
Right: 279.351+/-0.060 χ^2/NDF: 7339894.3/35

In: 230.023+/-0.034 χ^2/NDF:5291523.3/38

Out: 232.137+/-0.034 χ^2/NDF:5750856.6/44

All: 231.099+/-0.024 χ^2/NDF: 11044320.0/83

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

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

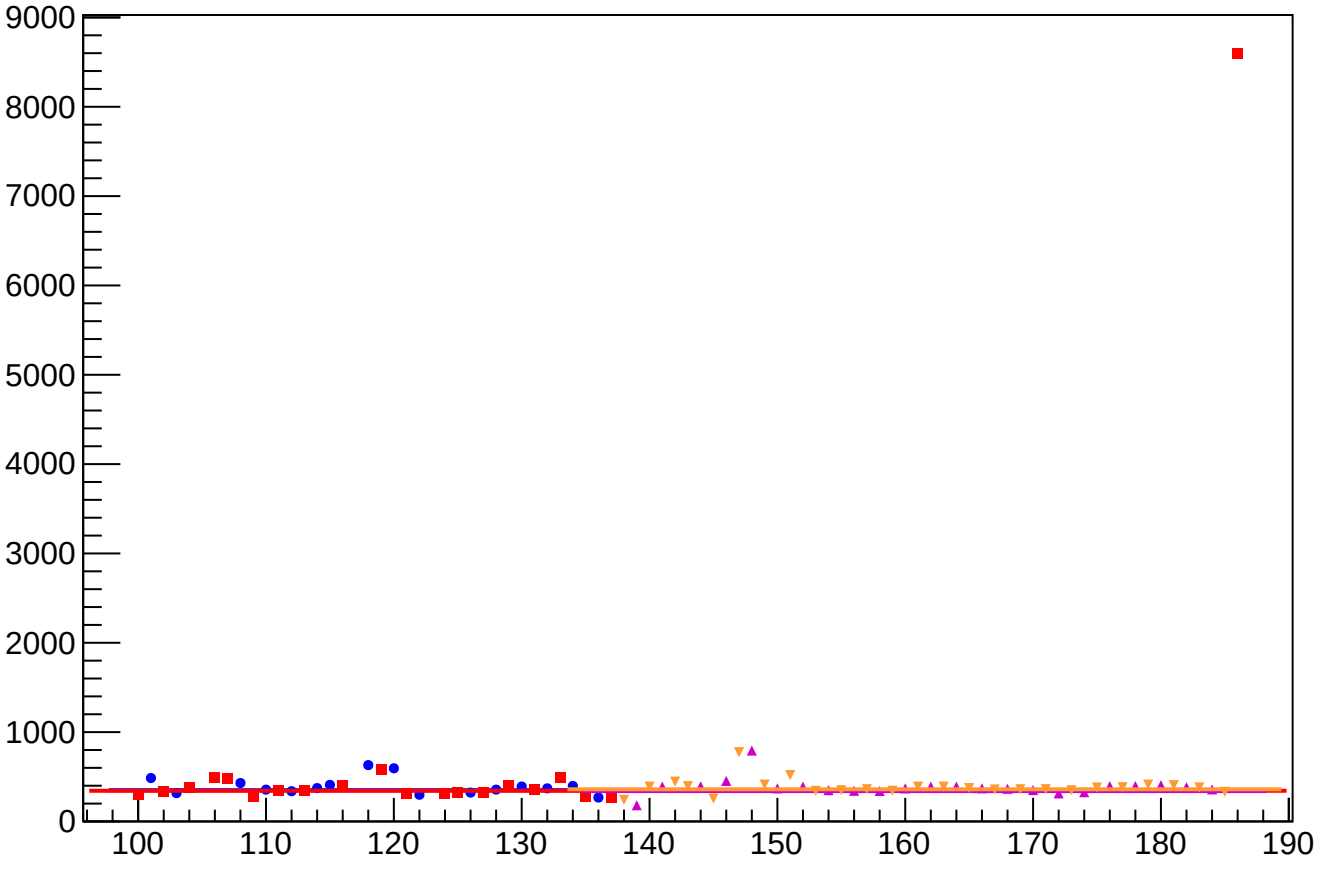
Right: -0.032+/-0.093 χ^2/NDF: 37.0/35

In: -0.010+/-0.070 χ^2/NDF:23.5/38

Out: 0.053+/-0.071 χ^2/NDF:48.1/44

All: 0.022+/-0.050 χ^2/NDF: 72.0/83

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

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

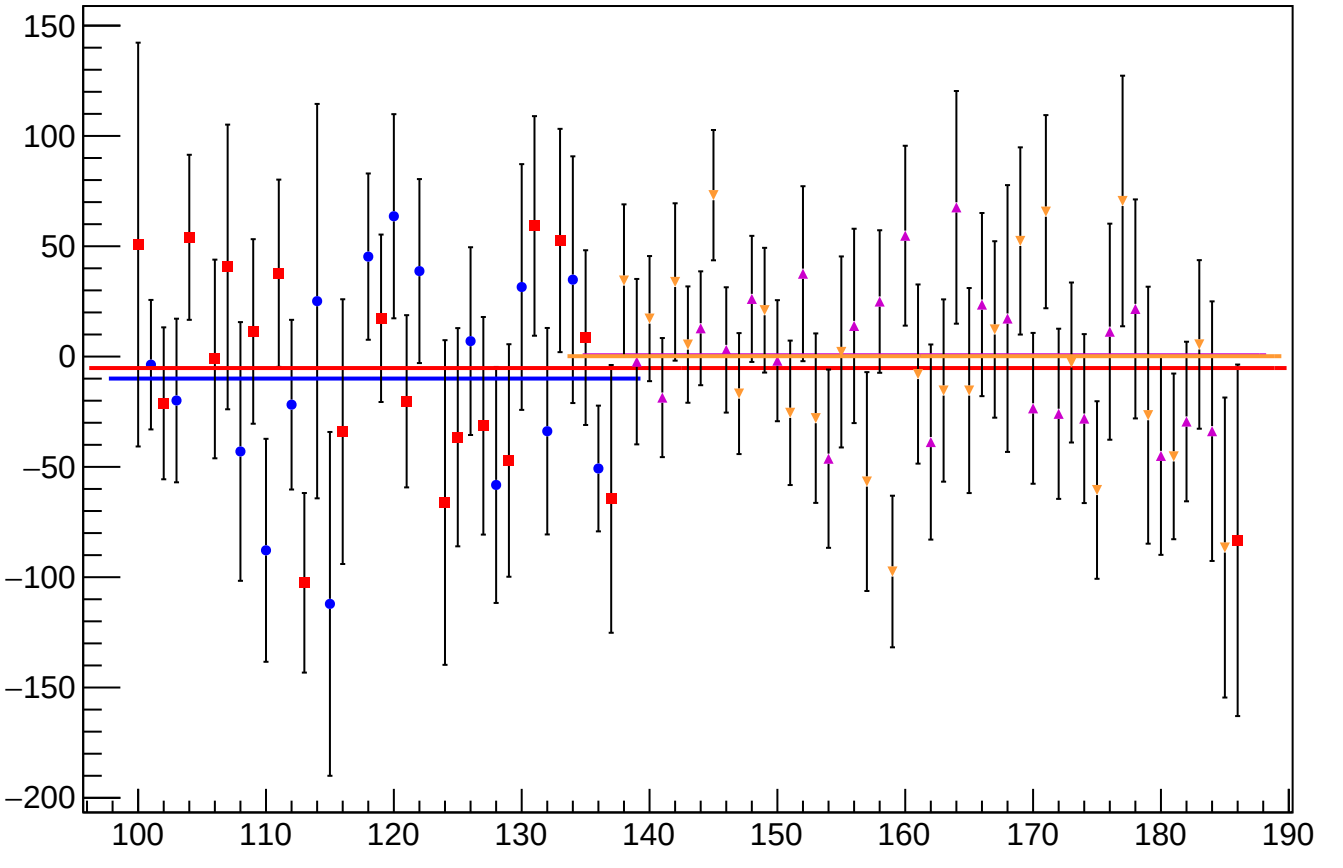
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 346.355+/-0.066 χ^2/NDF: 2010821.6/35

In: 342.662+/-0.050 χ^2/NDF:2931750.0/38

Out: 355.036+/-0.050 χ^2/NDF:2672395.8/44

All: 348.837+/-0.035 χ^2/NDF: 5634961.7/83



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

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

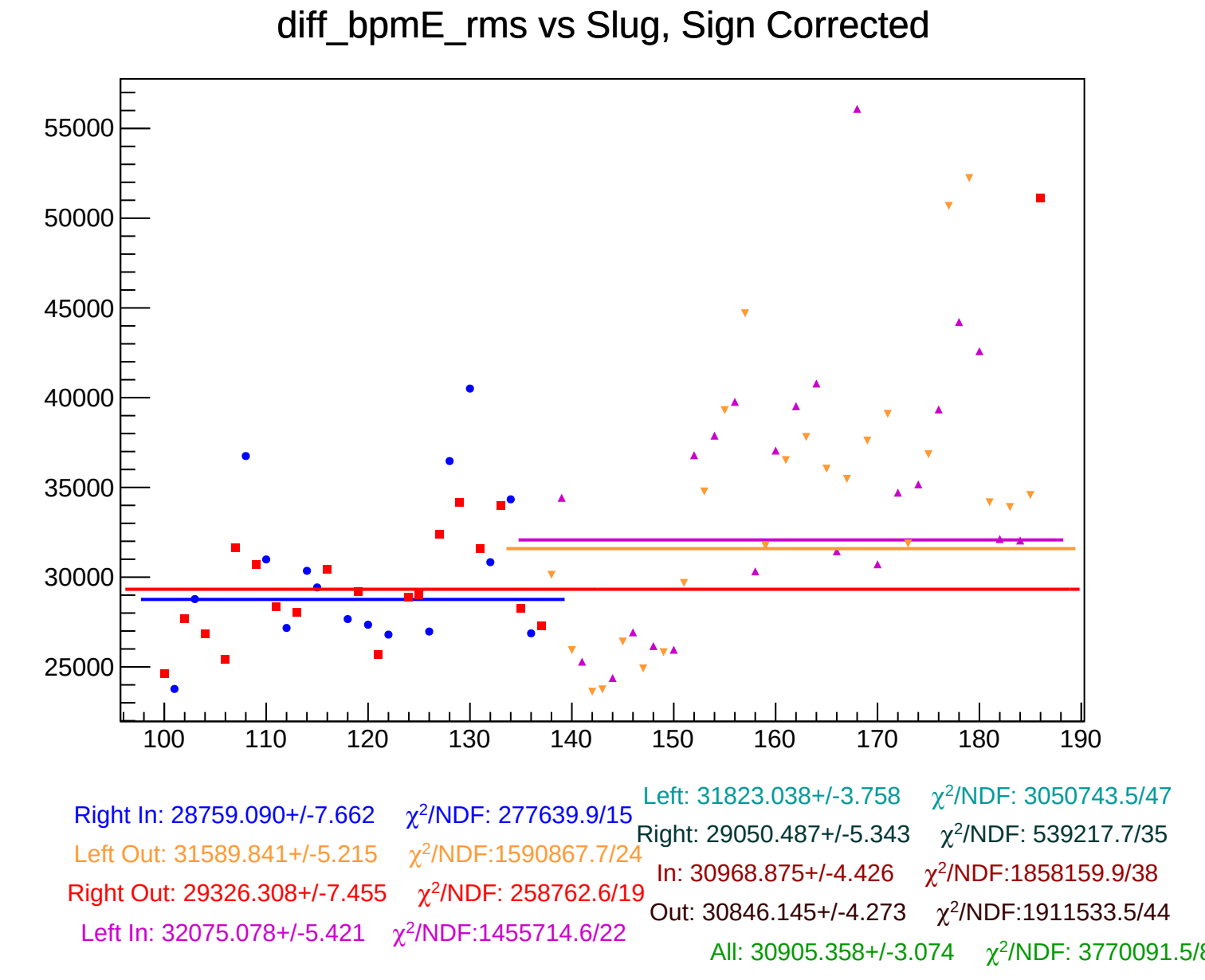
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -7.522+/-7.556 χ^2/NDF: 33.7/35

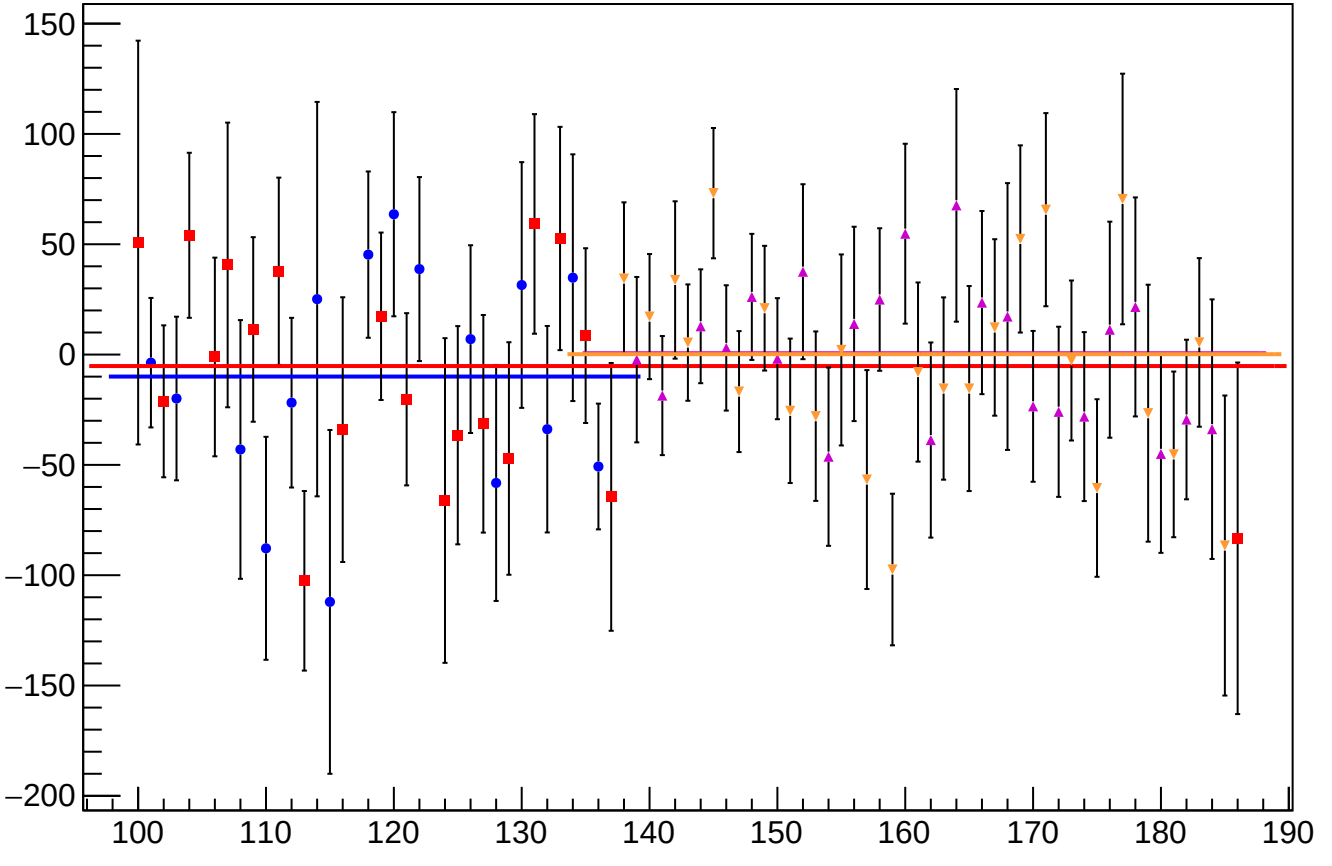
In: -2.935+/-6.259 χ^2/NDF:28.7/38

Out: -1.598+/-6.043 χ^2/NDF:49.6/44

All: -2.243+/-4.347 χ^2/NDF: 78.3/83


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: 28759.090+/-7.662 χ²/NDF: 277639.9/15
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: 29050.487+/-5.343 χ²/NDF: 539217.7/35
In: 30968.875+/-4.426 χ²/NDF:1858159.9/38
Out: 30846.145+/-4.273 χ²/NDF:1911533.5/44
All: 30905.358+/-3.074 χ²/NDF: 3770091.5/8

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

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

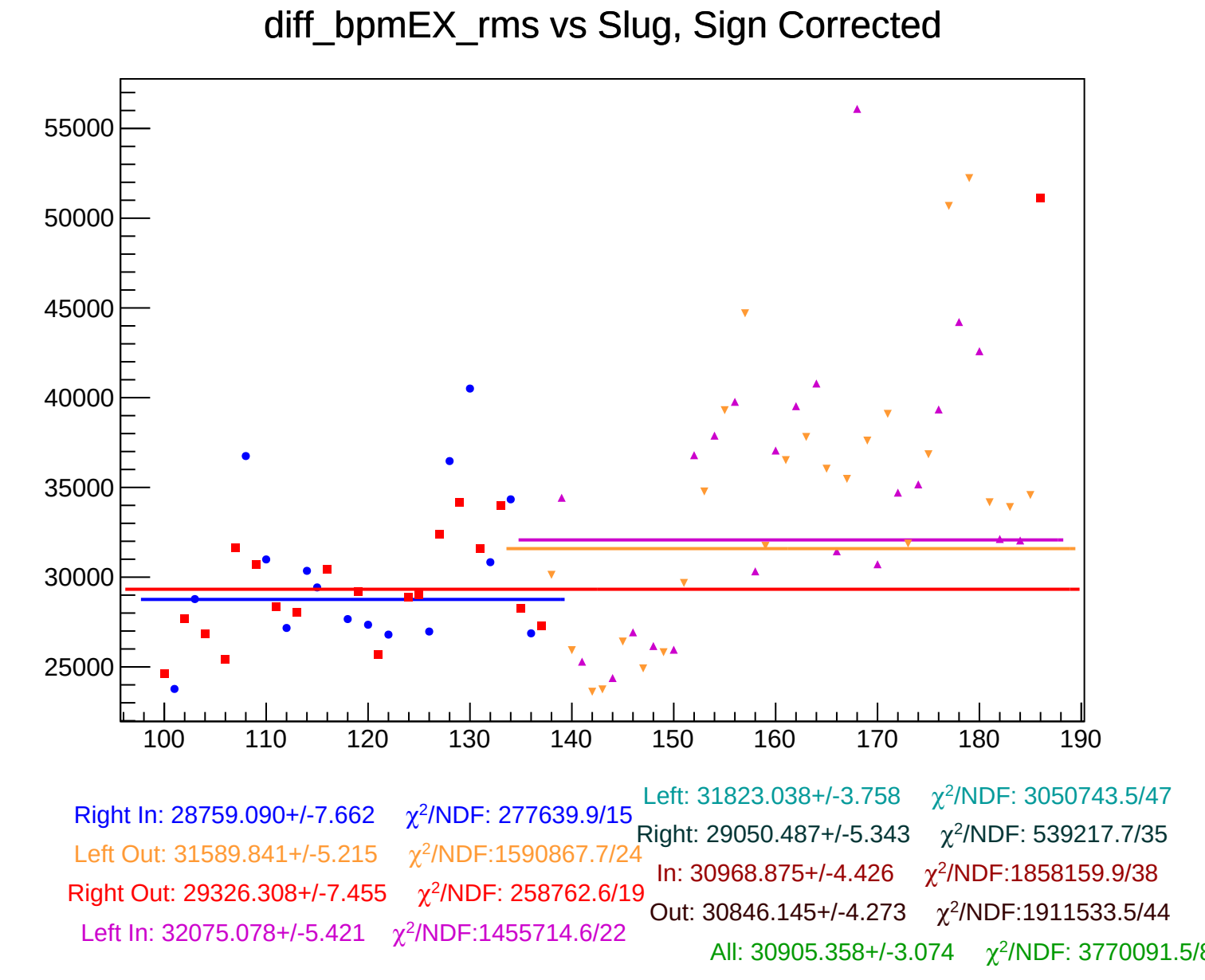
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

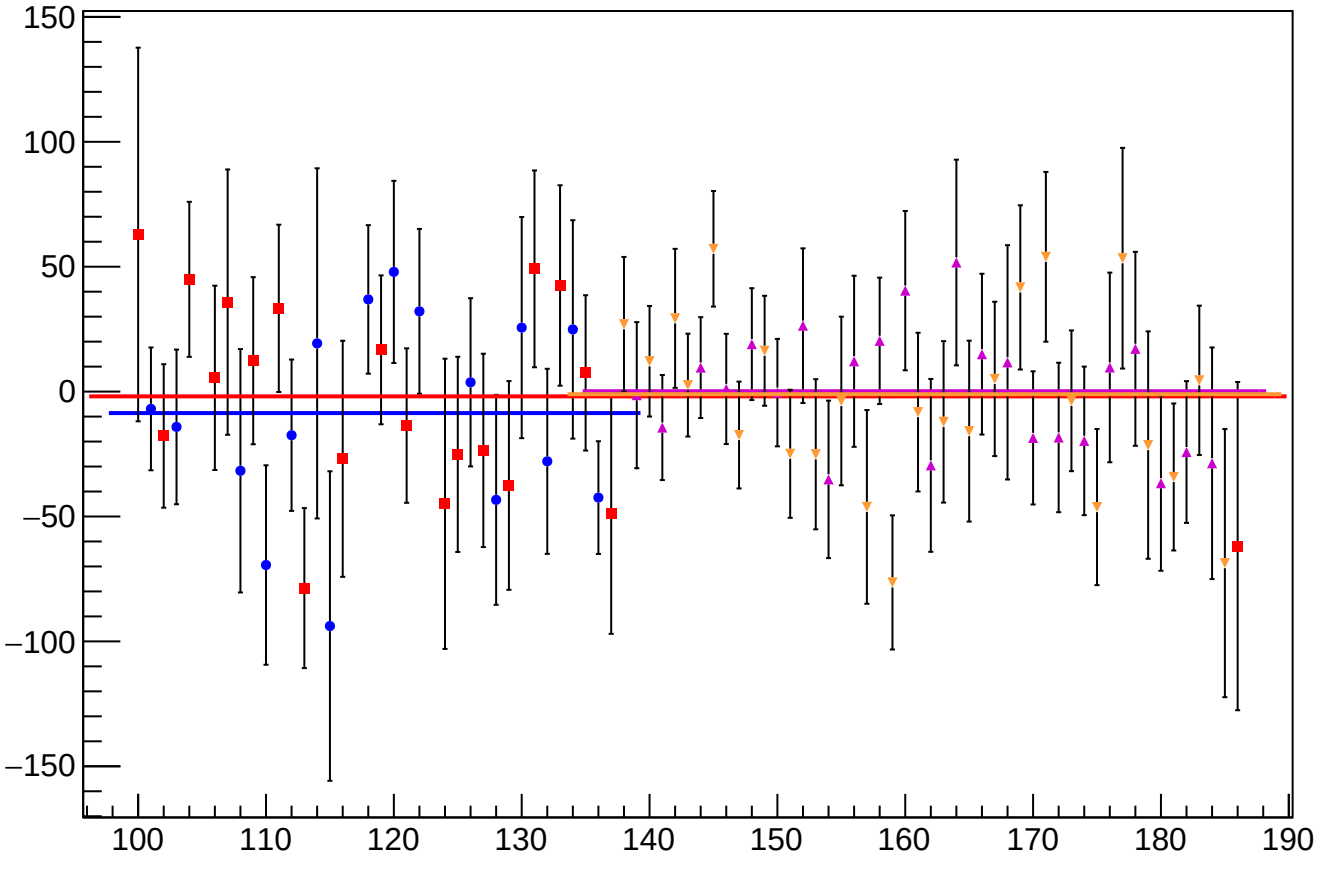
Right: -7.522+/-7.556 χ^2/NDF: 33.7/35

In: -2.935+/-6.259 χ^2/NDF:28.7/38

Out: -1.598+/-6.043 χ^2/NDF:49.6/44

All: -2.243+/-4.347 χ^2/NDF: 78.3/83


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
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: 29050.487+/-5.343 χ²/NDF: 539217.7/35
In: 30968.875+/-4.426 χ²/NDF:1858159.9/38
Out: 30846.145+/-4.273 χ²/NDF:1911533.5/44
All: 30905.358+/-3.074 χ²/NDF: 3770091.5/8



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

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

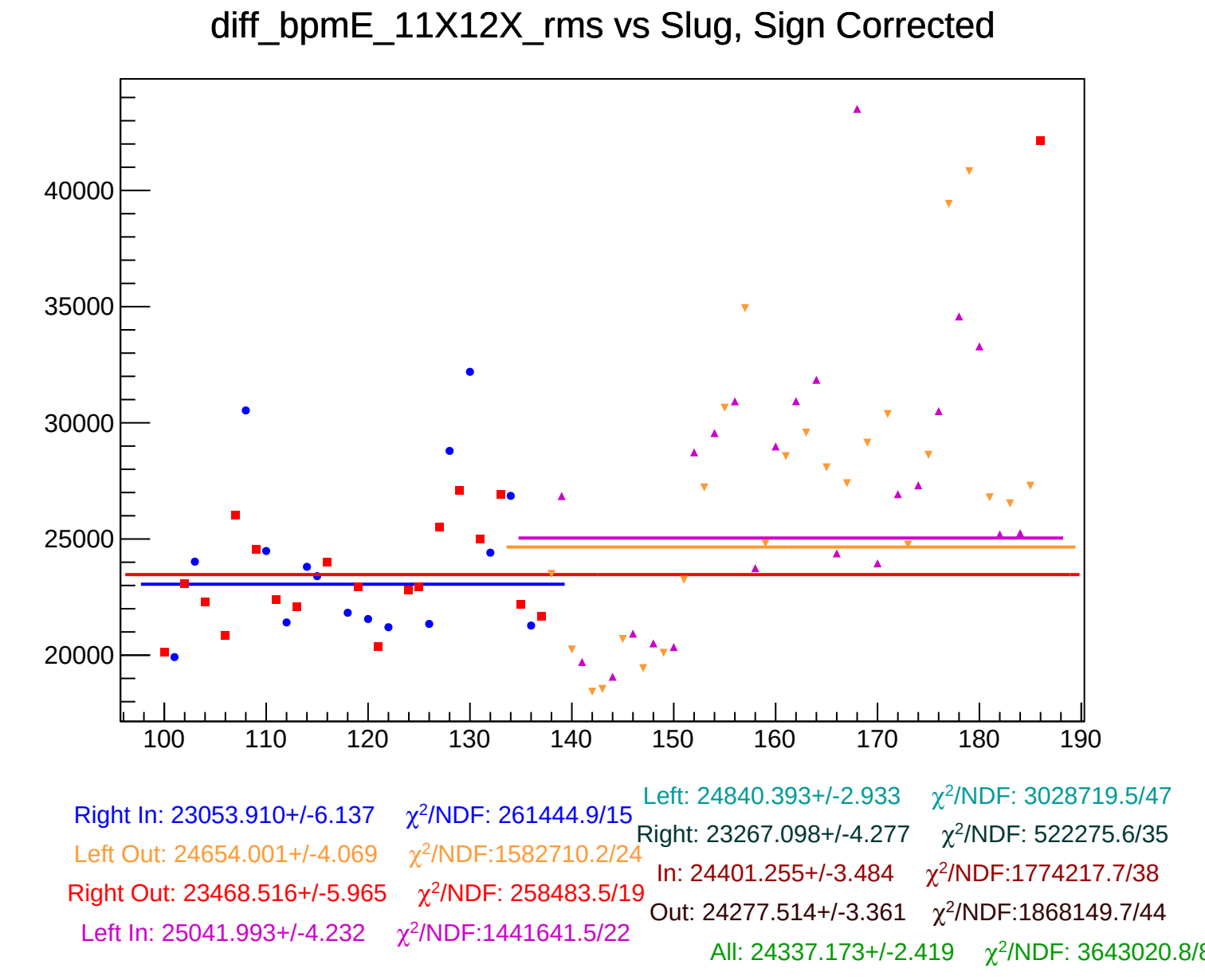
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -5.159+/-6.049 χ^2/NDF: 34.3/35

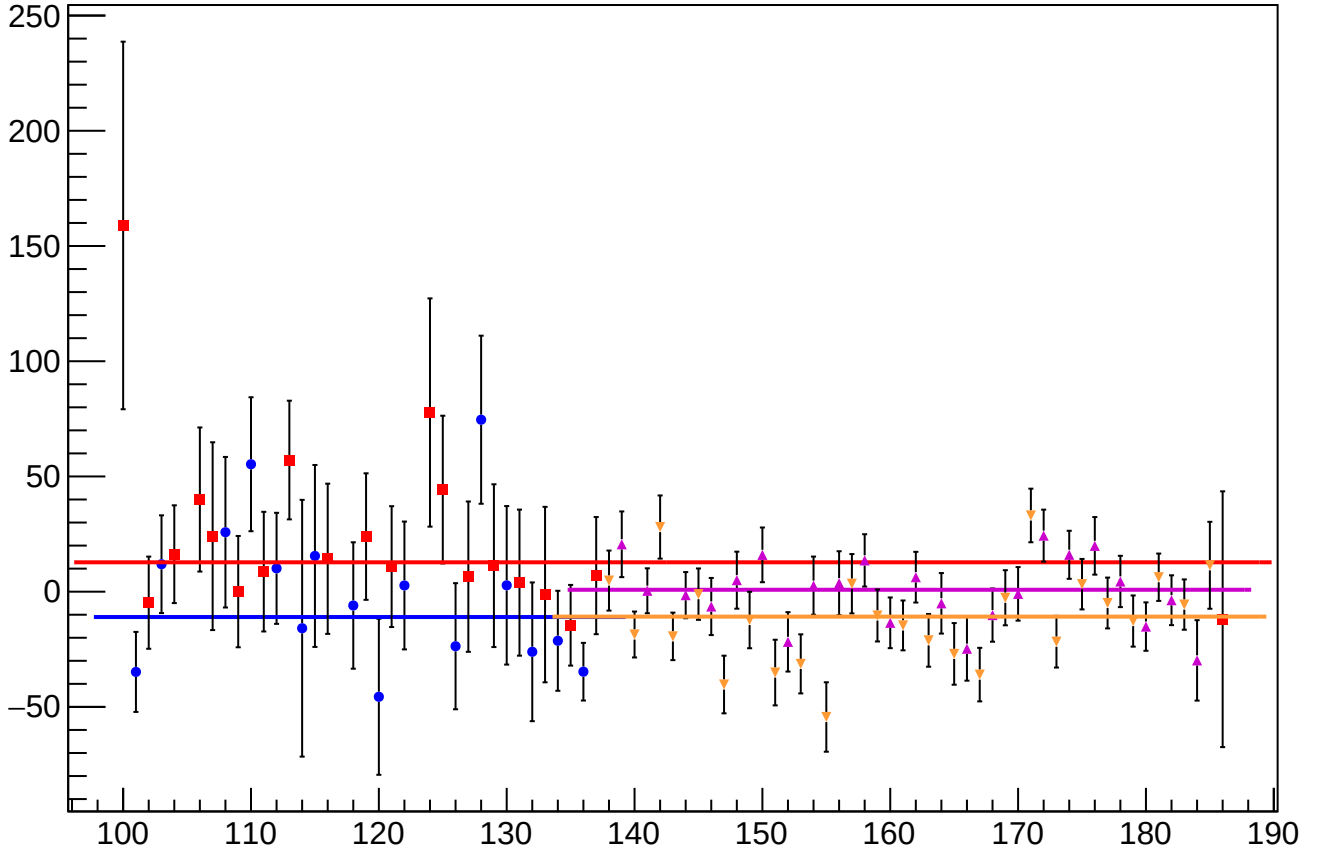
In: -2.672+/-4.927 χ^2/NDF:28.3/38

Out: -1.317+/-4.754 χ^2/NDF:50.8/44

All: -1.970+/-3.421 χ^2/NDF: 79.1/83


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: 23053.910+/-6.137 χ²/NDF: 261444.9/15
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: 23267.098+/-4.277 χ²/NDF: 522275.6/35
In: 24401.255+/-3.484 χ²/NDF:1774217.7/38
Out: 24277.514+/-3.361 χ²/NDF:1868149.7/44
All: 24337.173+/-2.419 χ²/NDF: 3643020.8/8

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

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

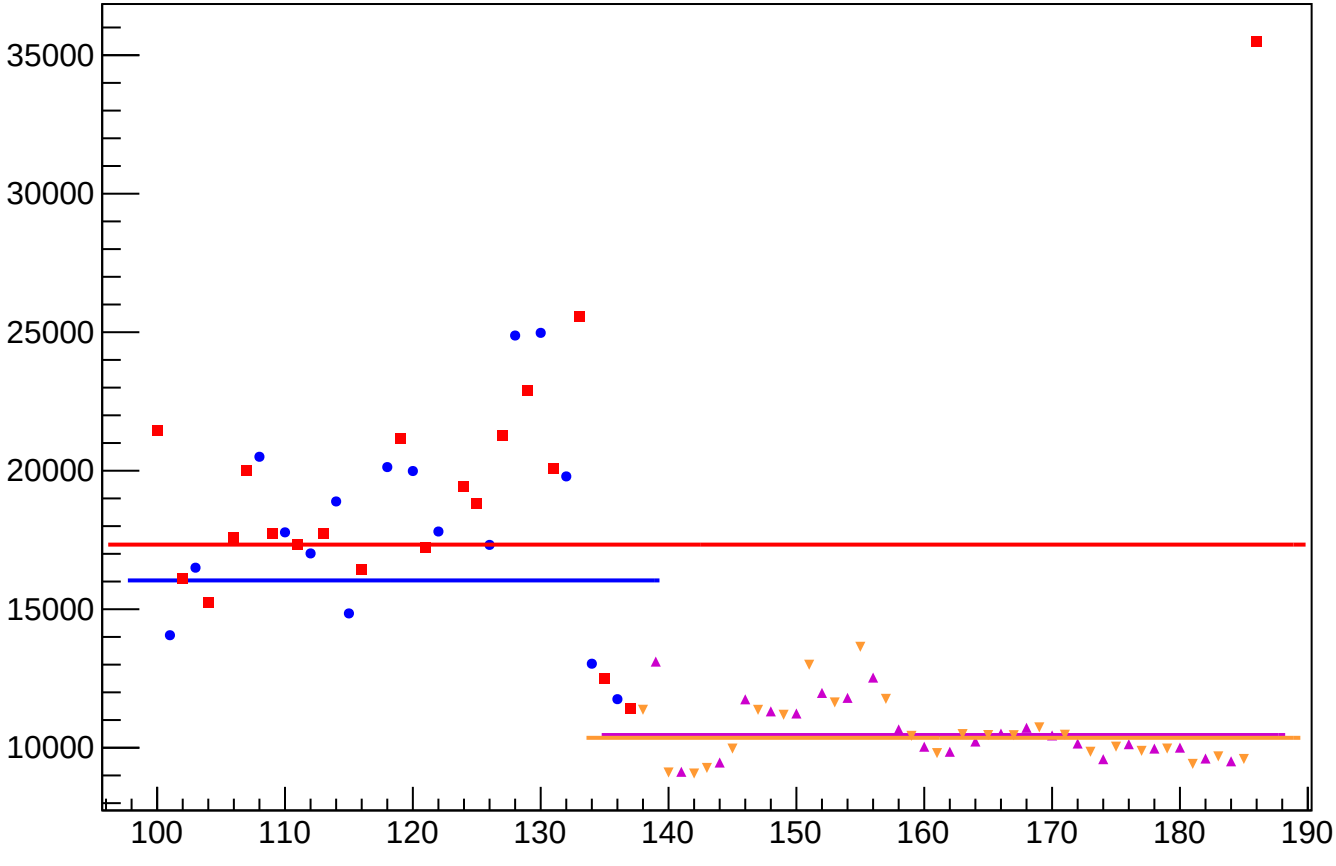
Right: 0.519+/-4.416 χ^2/NDF: 43.3/35

In: -0.800+/-2.282 χ^2/NDF:54.6/38

Out: -7.932+/-2.220 χ^2/NDF:87.5/44

All: -4.464+/-1.591 χ^2/NDF: 147.1/83

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17332.697+/-4.483 χ^2/NDF: 752256.5/19

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

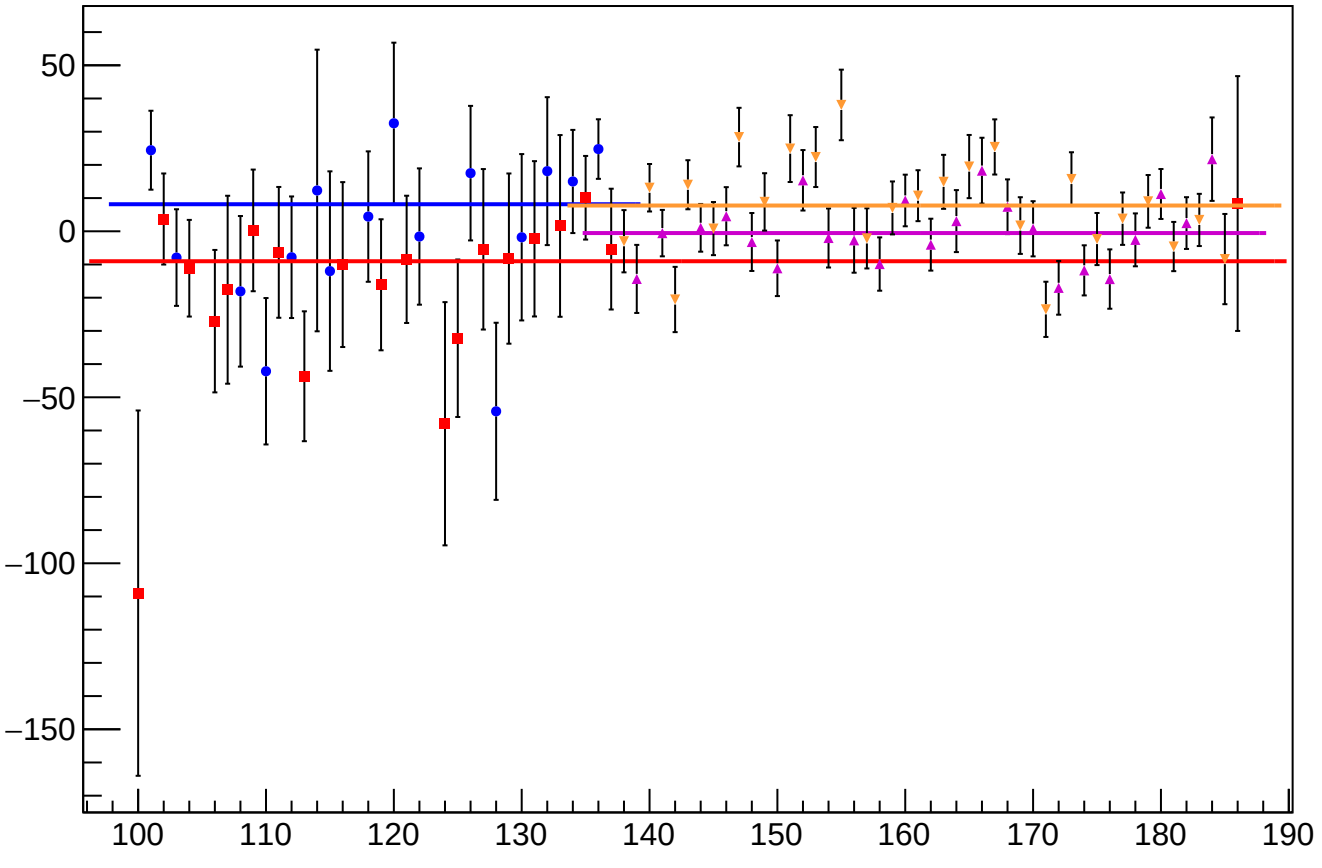
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 16667.222+/-3.123 χ^2/NDF: 1517735.5/35

In: 11226.196+/-1.614 χ^2/NDF:2455696.2/38

Out: 11213.652+/-1.570 χ^2/NDF:3238683.3/44

All: 11219.752+/-1.125 χ^2/NDF: 5694410.6/8



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

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

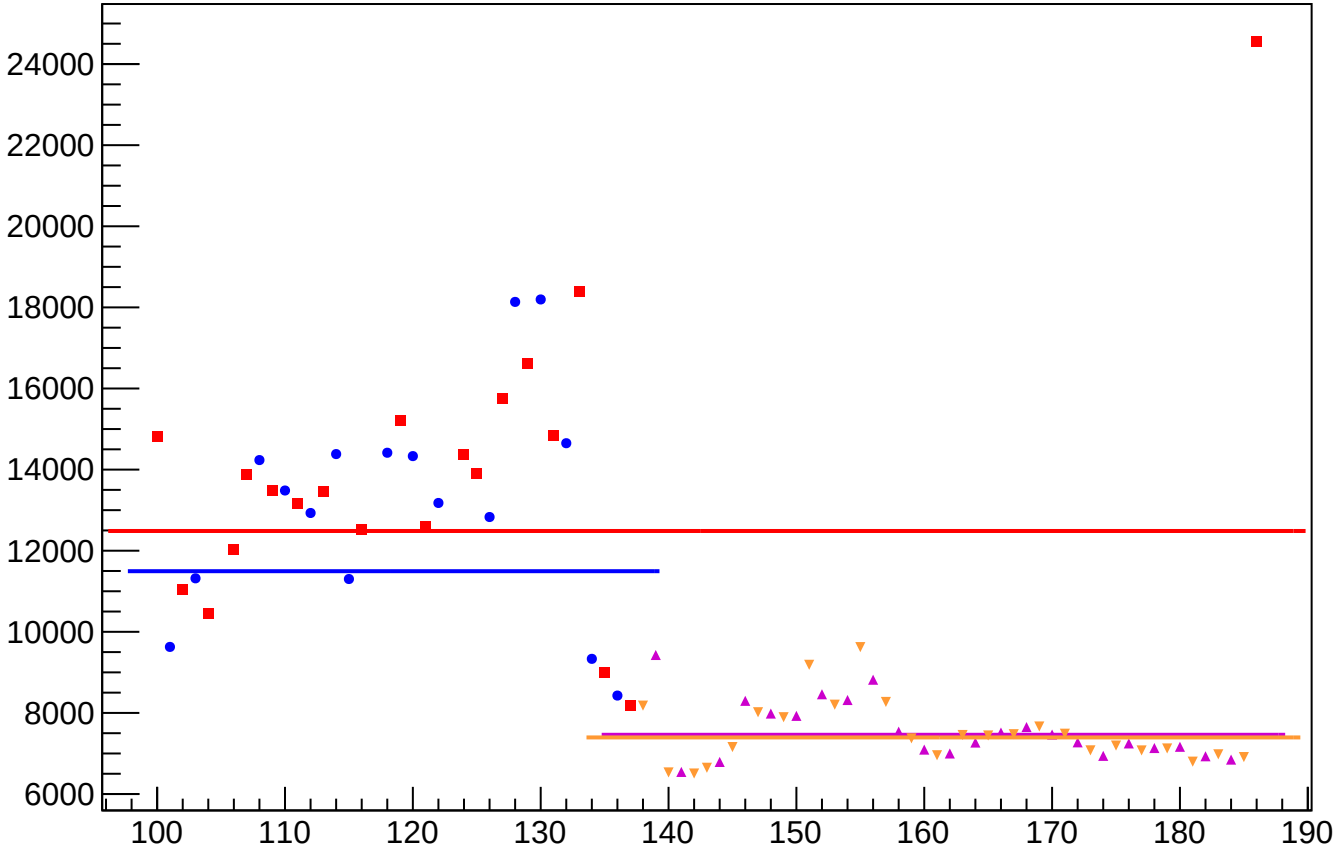
Right: -0.146+/-3.180 χ^2/NDF: 43.1/35

In: 0.646+/-1.629 χ^2/NDF:54.6/38

Out: 5.744+/-1.586 χ^2/NDF:86.9/44

All: 3.262+/-1.136 χ^2/NDF: 146.5/83

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

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

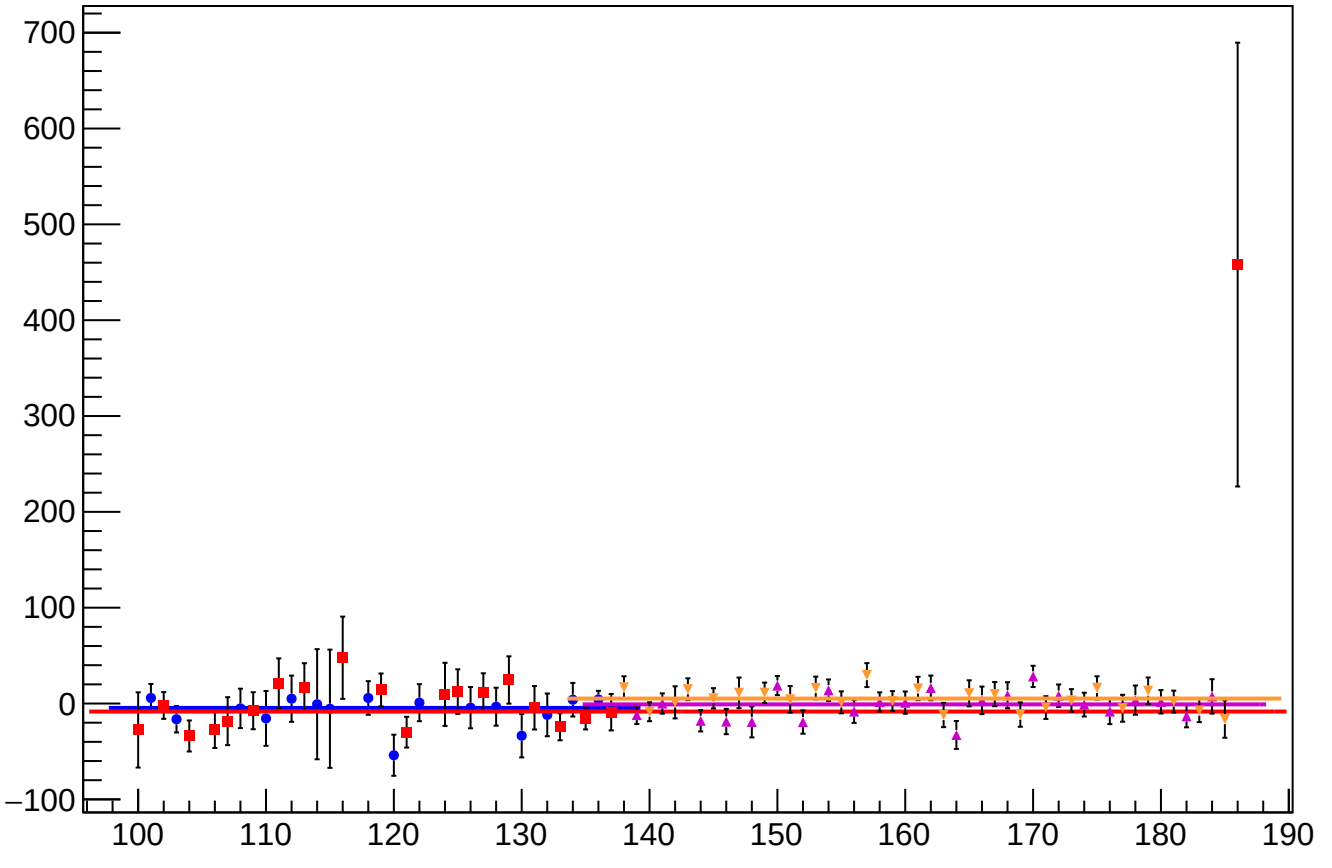
Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

Right: 11974.005+/-2.248 χ^2/NDF: 1637786.7/35

In: 8007.966+/-1.152 χ^2/NDF:2512272.2/38

Out: 8008.010+/-1.122 χ^2/NDF:3302813.0/44

All: 8007.988+/-0.804 χ^2/NDF: 5815085.2/83



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

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

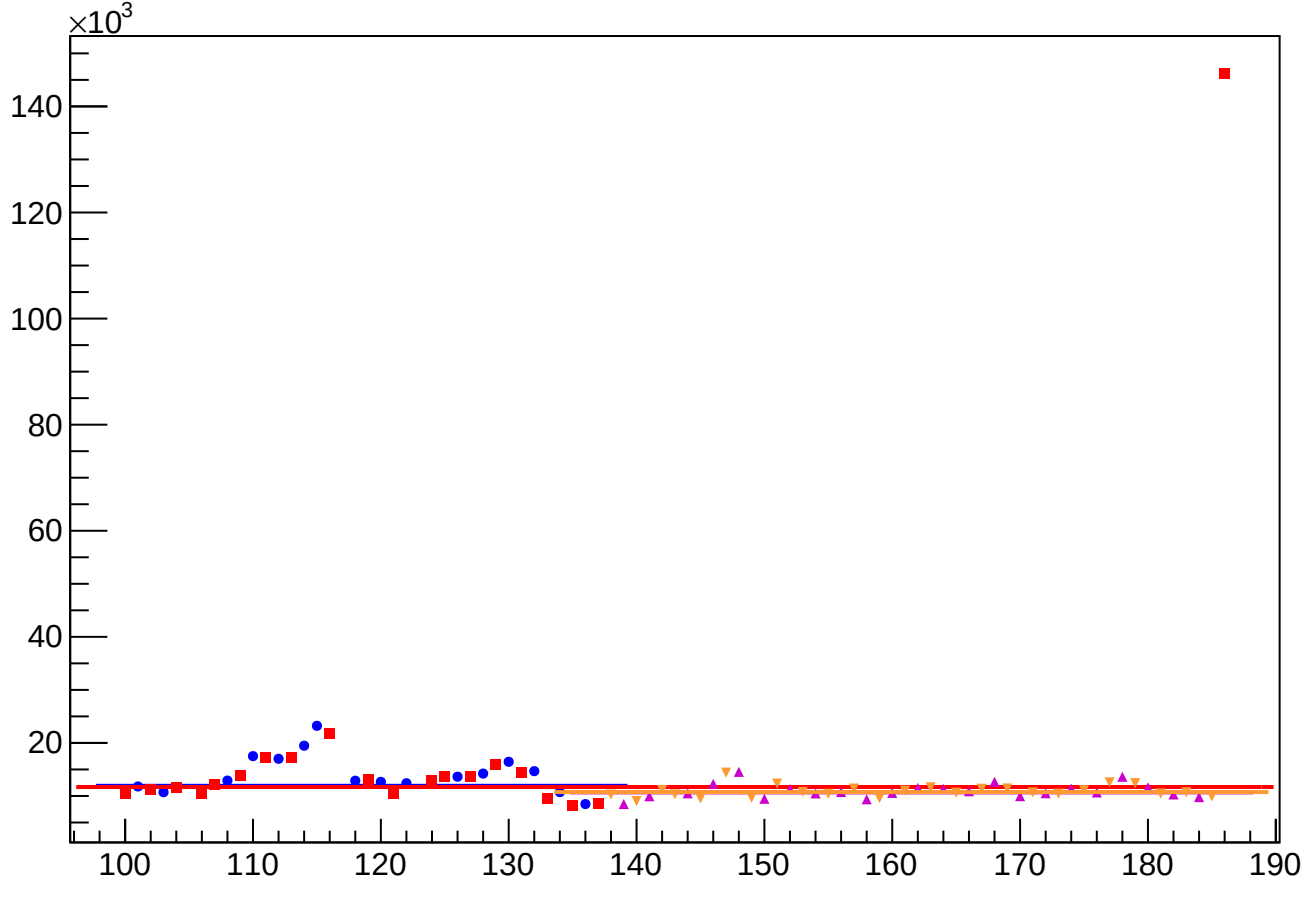
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -6.543+/-3.161 χ^2/NDF: 31.8/35

In: -1.755+/-2.204 χ^2/NDF:42.5/38

Out: 1.944+/-2.145 χ^2/NDF:46.9/44

All: 0.144+/-1.537 χ^2/NDF: 90.9/83



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

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

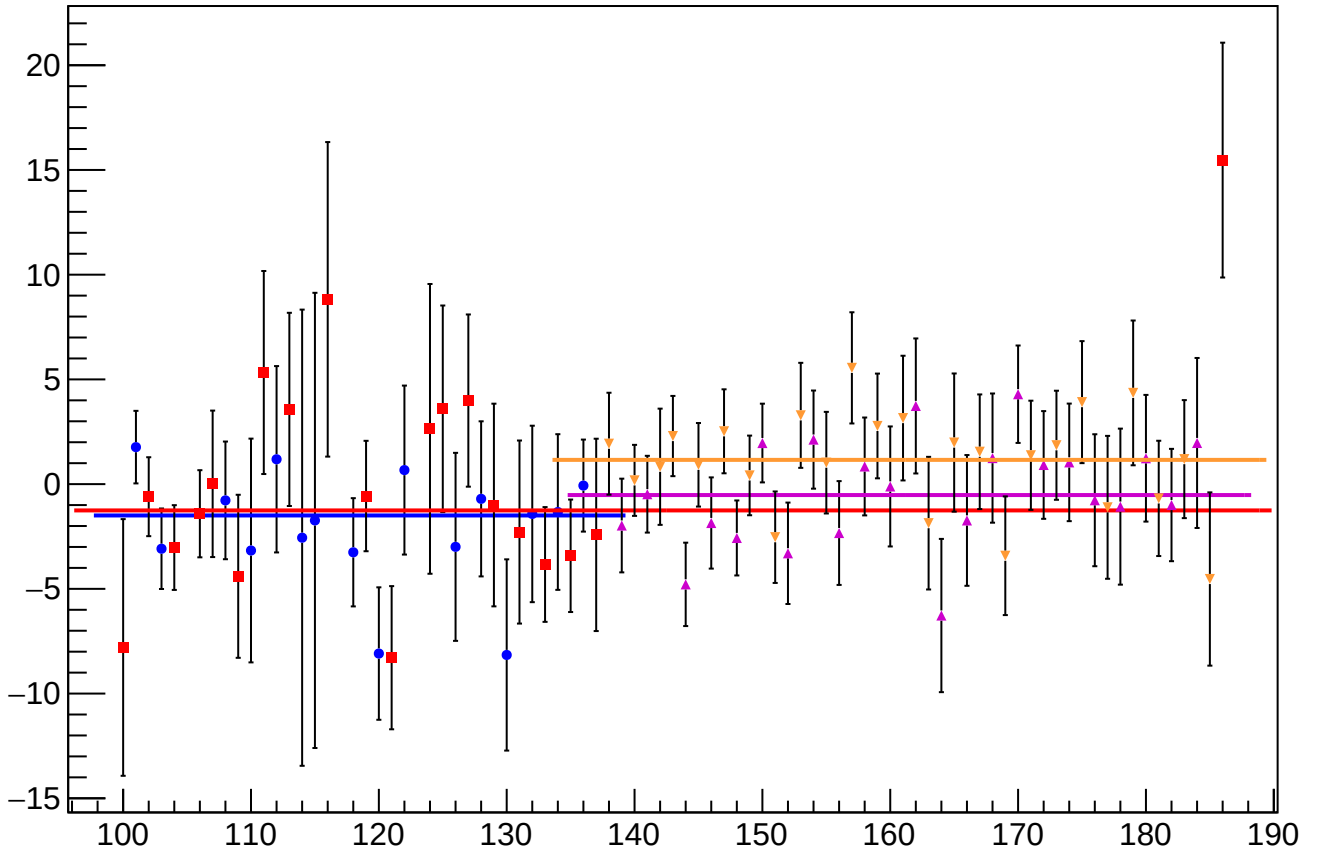
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

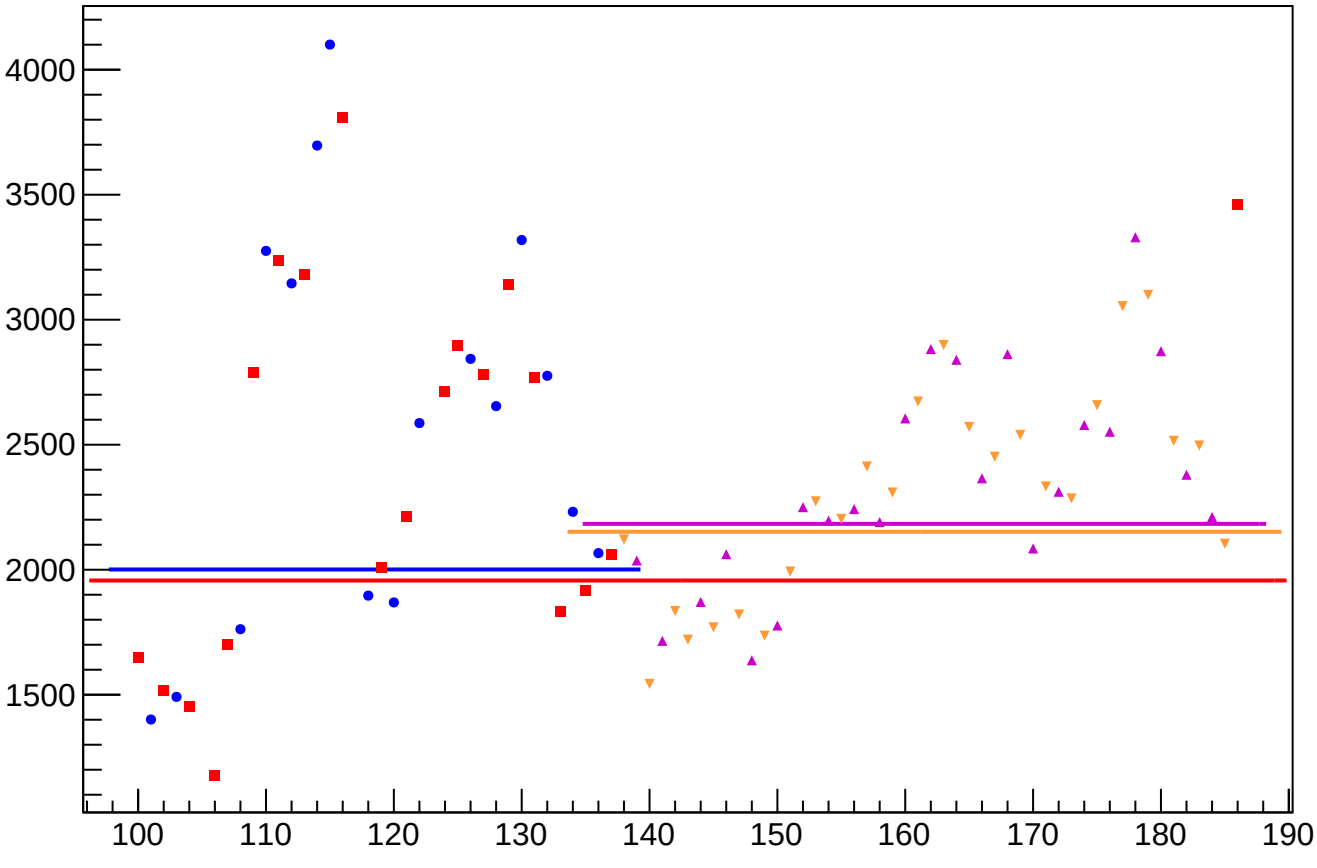
Right: 11800.111+/-2.235 χ^2/NDF: 2217733.1/35

In: 10967.385+/-1.558 χ^2/NDF:1363753.4/38

Out: 10962.452+/-1.517 χ^2/NDF:1906227.2/44

All: 10964.852+/-1.087 χ^2/NDF: 3269985.8/8


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: -1.496+/-0.778 χ²/NDF: 12.6/15
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: -1.369+/-0.536 χ²/NDF: 38.0/35
In: -0.822+/-0.432 χ²/NDF:36.0/38
Out: 0.398+/-0.414 χ²/NDF:49.5/44
All: -0.186+/-0.299 χ²/NDF: 89.6/83



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

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

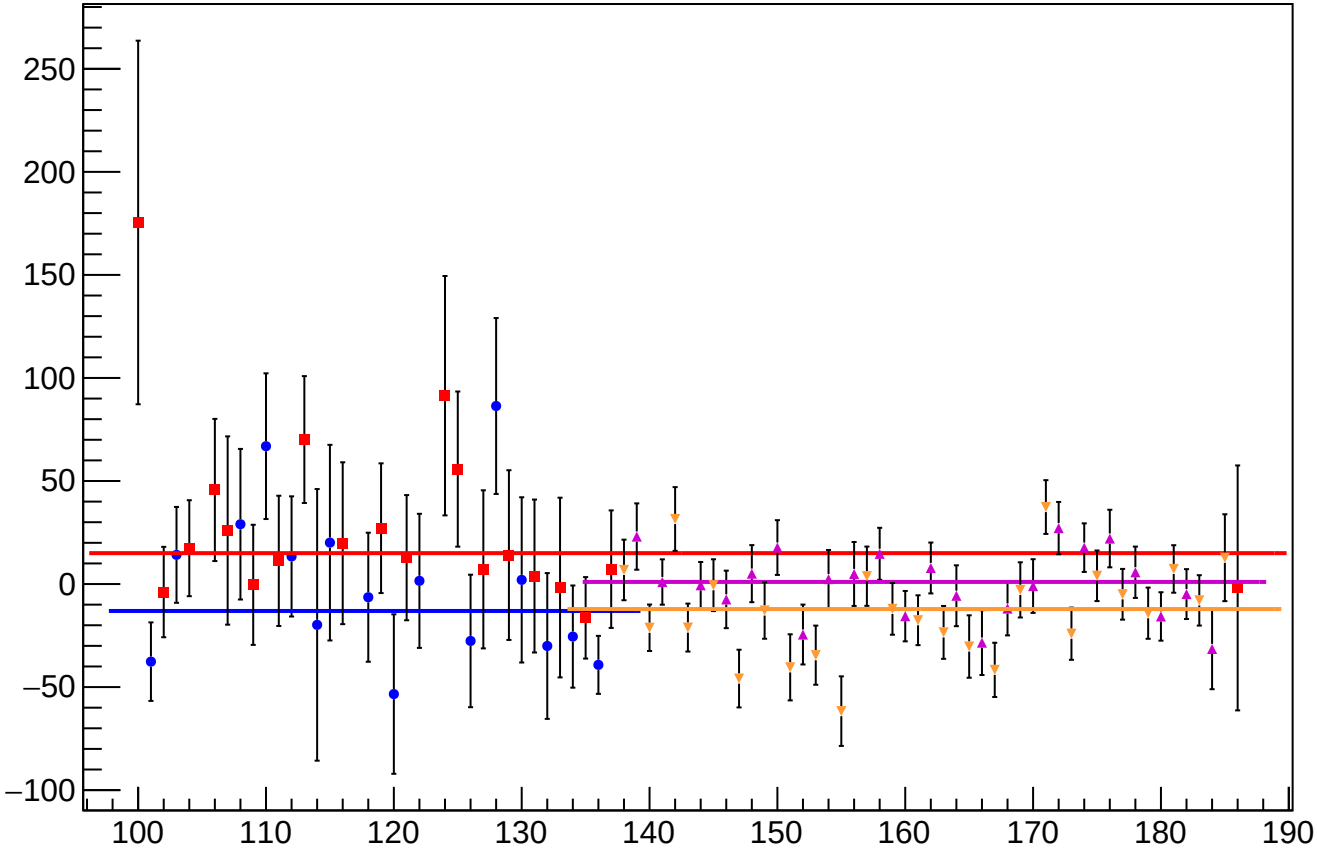
Right: 1977.808+/-0.379 χ^2/NDF: 2743080.8/35

In: 2127.179+/-0.306 χ^2/NDF:2428083.1/38

Out: 2090.452+/-0.293 χ^2/NDF:2994950.9/44

All: 2108.023+/-0.211 χ^2/NDF: 5430563.4/83

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

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

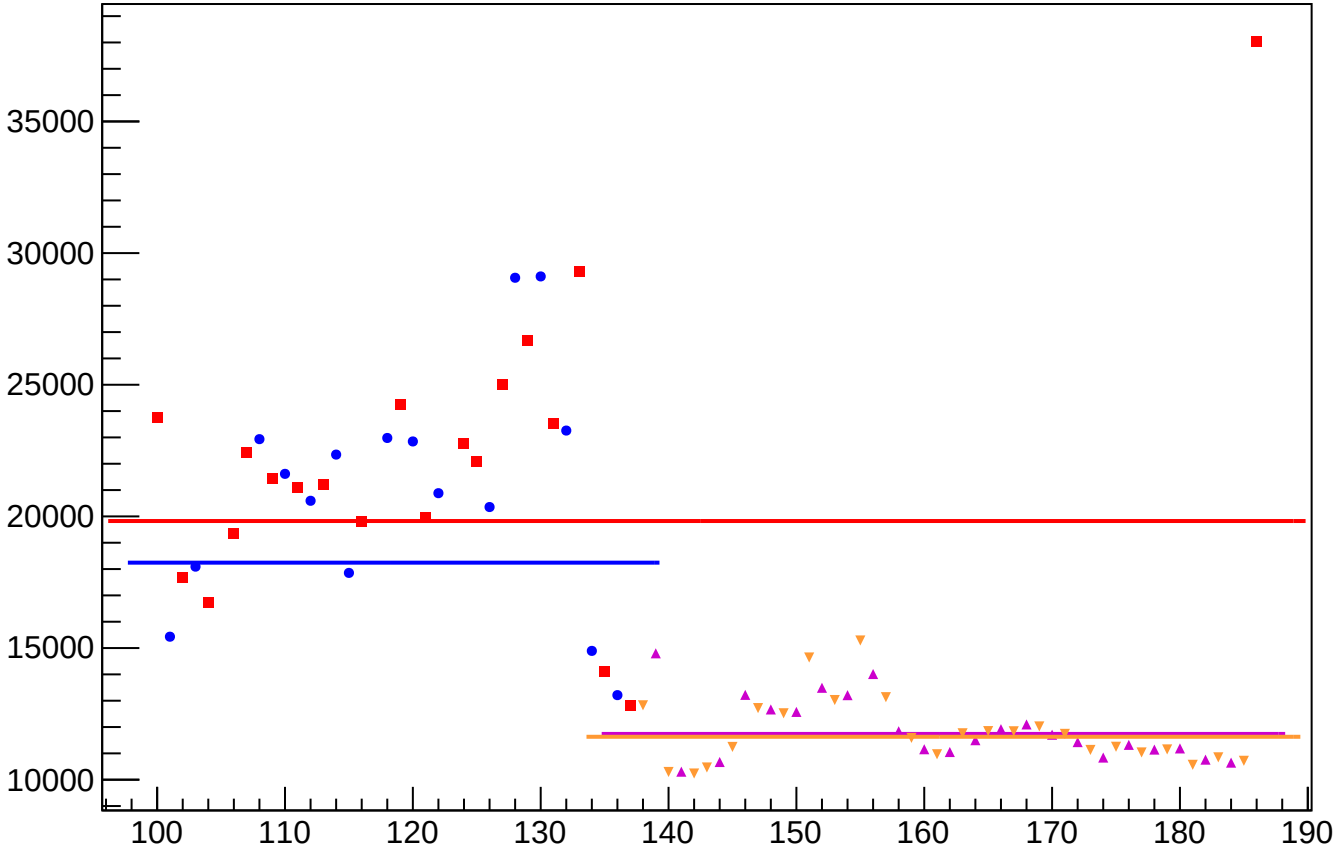
Right: 0.495+/-5.051 χ^2/NDF: 44.0/35

In: -0.857+/-2.567 χ^2/NDF:54.1/38

Out: -8.926+/-2.499 χ^2/NDF:89.4/44

All: -5.000+/-1.791 χ^2/NDF: 148.6/83

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

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

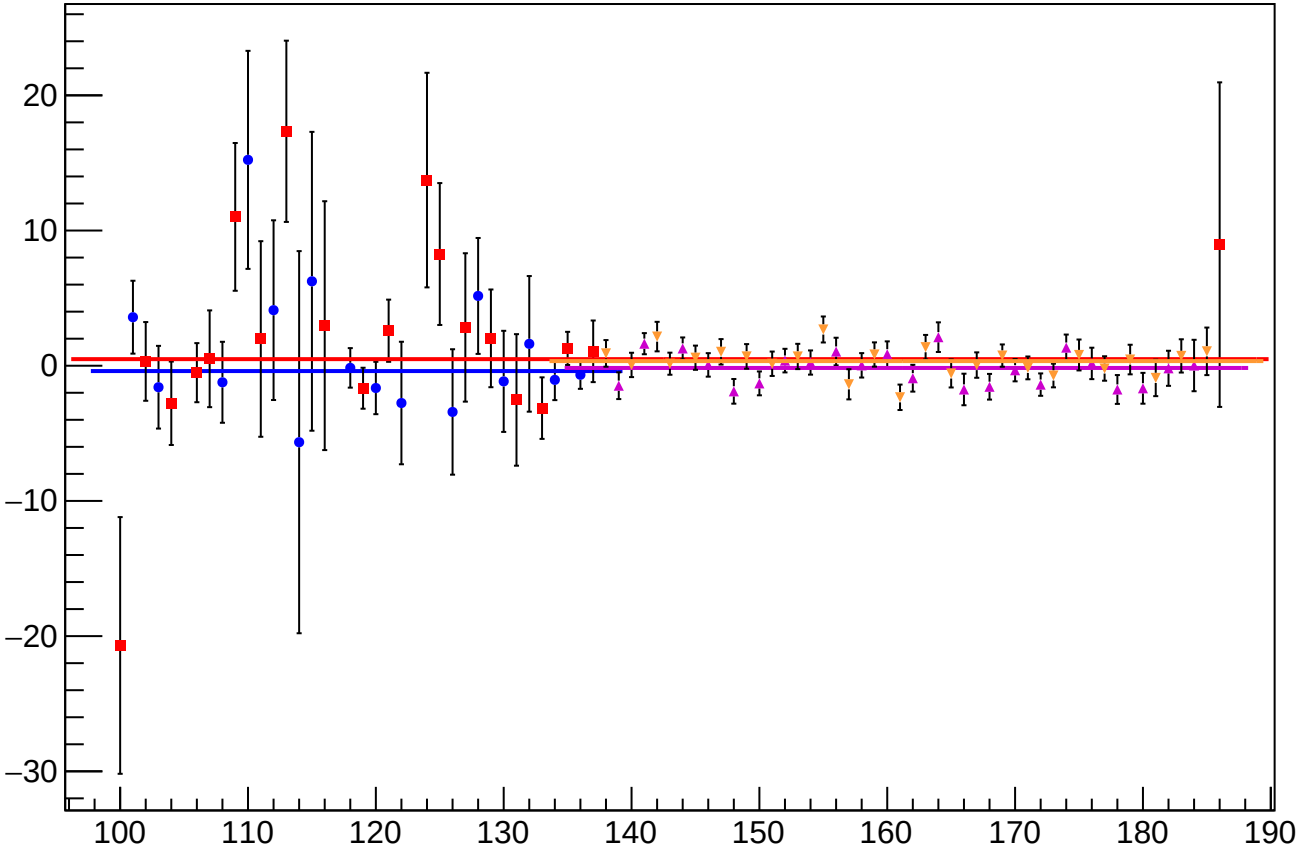
Right: 19007.502+/-3.572 χ^2/NDF: 1680947.4/35

In: 12606.565+/-1.815 χ^2/NDF:2618767.5/38

Out: 12599.390+/-1.767 χ^2/NDF:3411232.7/44

All: 12602.881+/-1.266 χ^2/NDF: 6030008.2/8

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

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

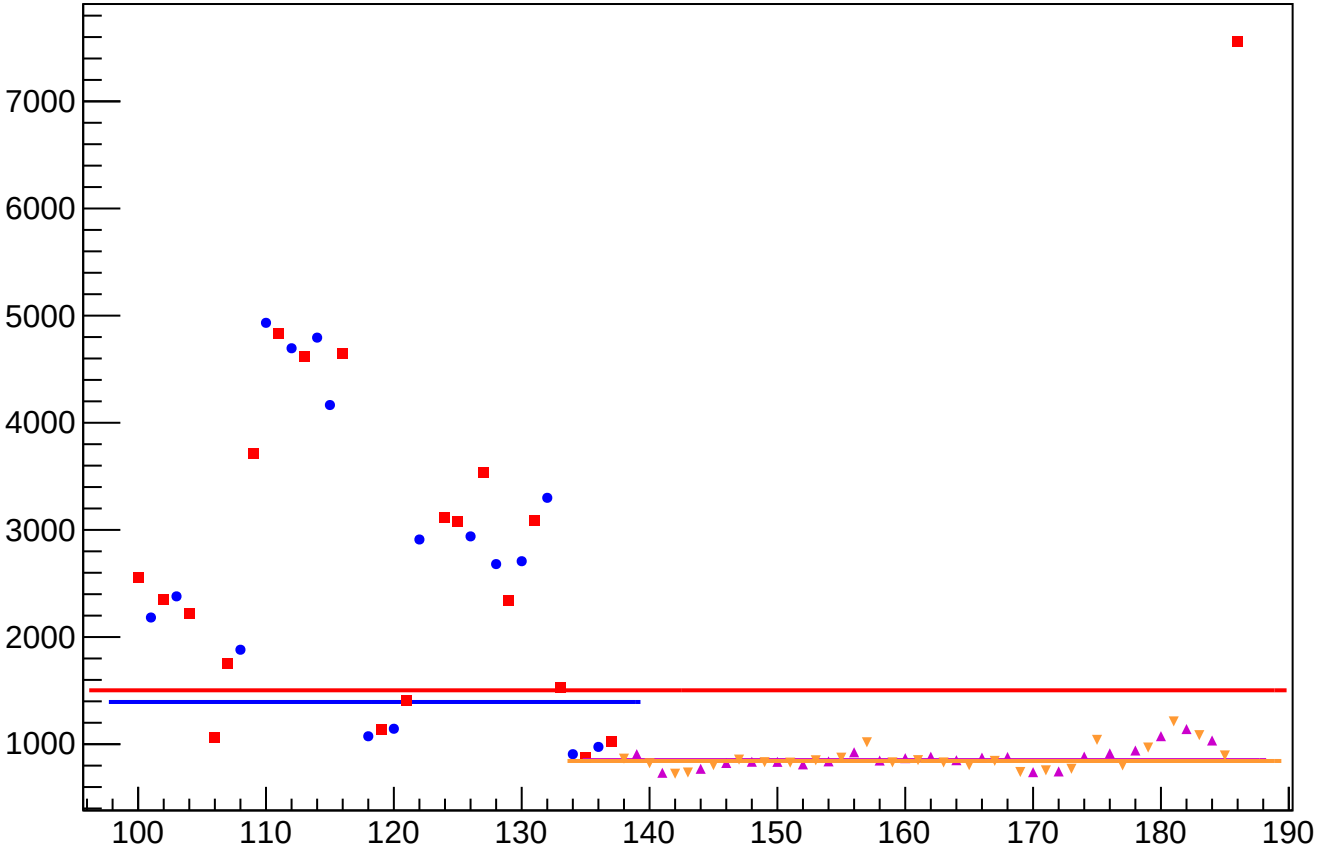
Right: 0.023+/-0.436 χ^2/NDF: 40.0/35

In: -0.188+/-0.190 χ^2/NDF:46.9/38

Out: 0.355+/-0.185 χ^2/NDF:55.4/44

All: 0.091+/-0.133 χ^2/NDF: 106.4/83

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

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

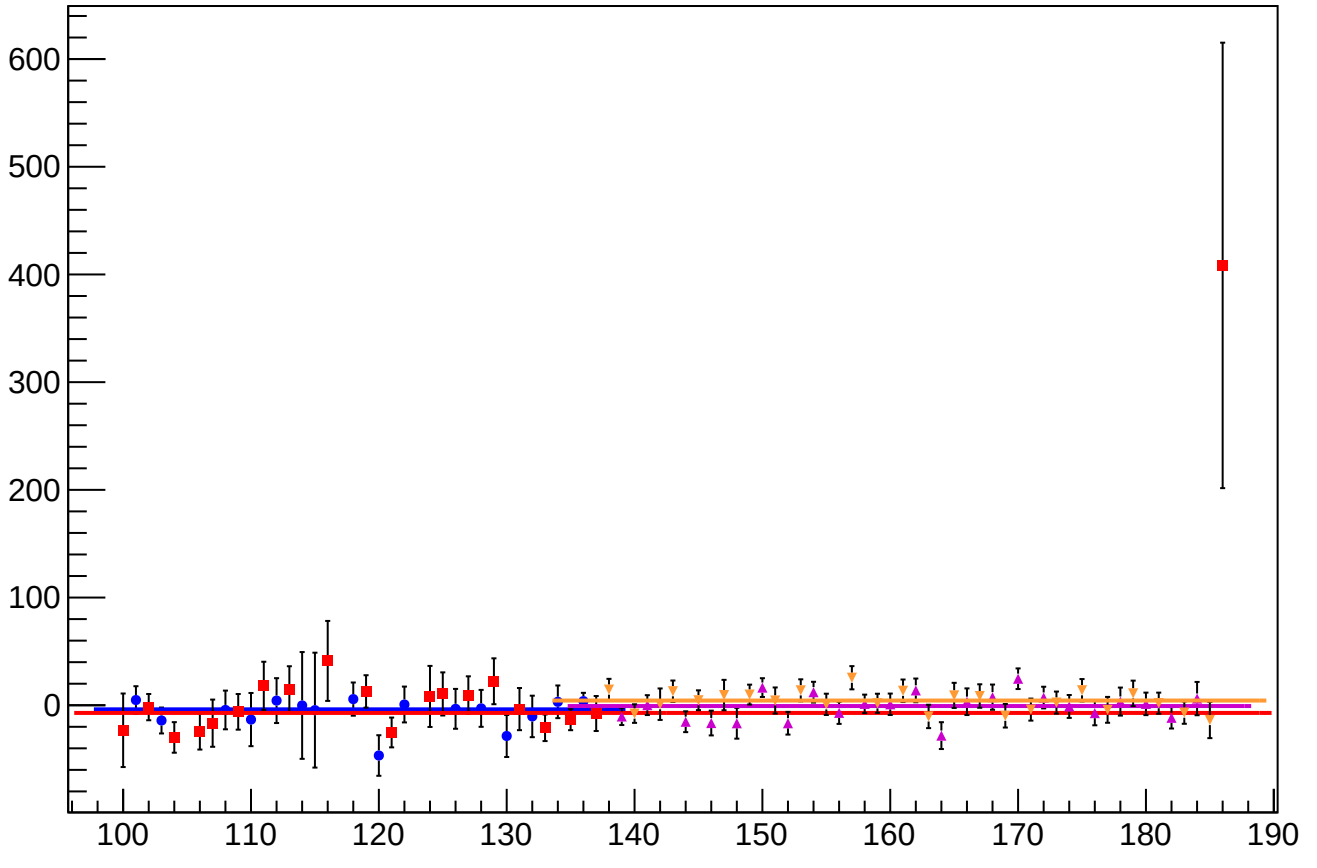
Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

Right: 1445.495+/-0.308 χ^2/NDF: 7321389.4/35

In: 906.250+/-0.135 χ^2/NDF:5232113.2/38

Out: 899.770+/-0.131 χ^2/NDF:6399852.9/44

All: 902.920+/-0.094 χ^2/NDF: 11633155.3/83



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

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

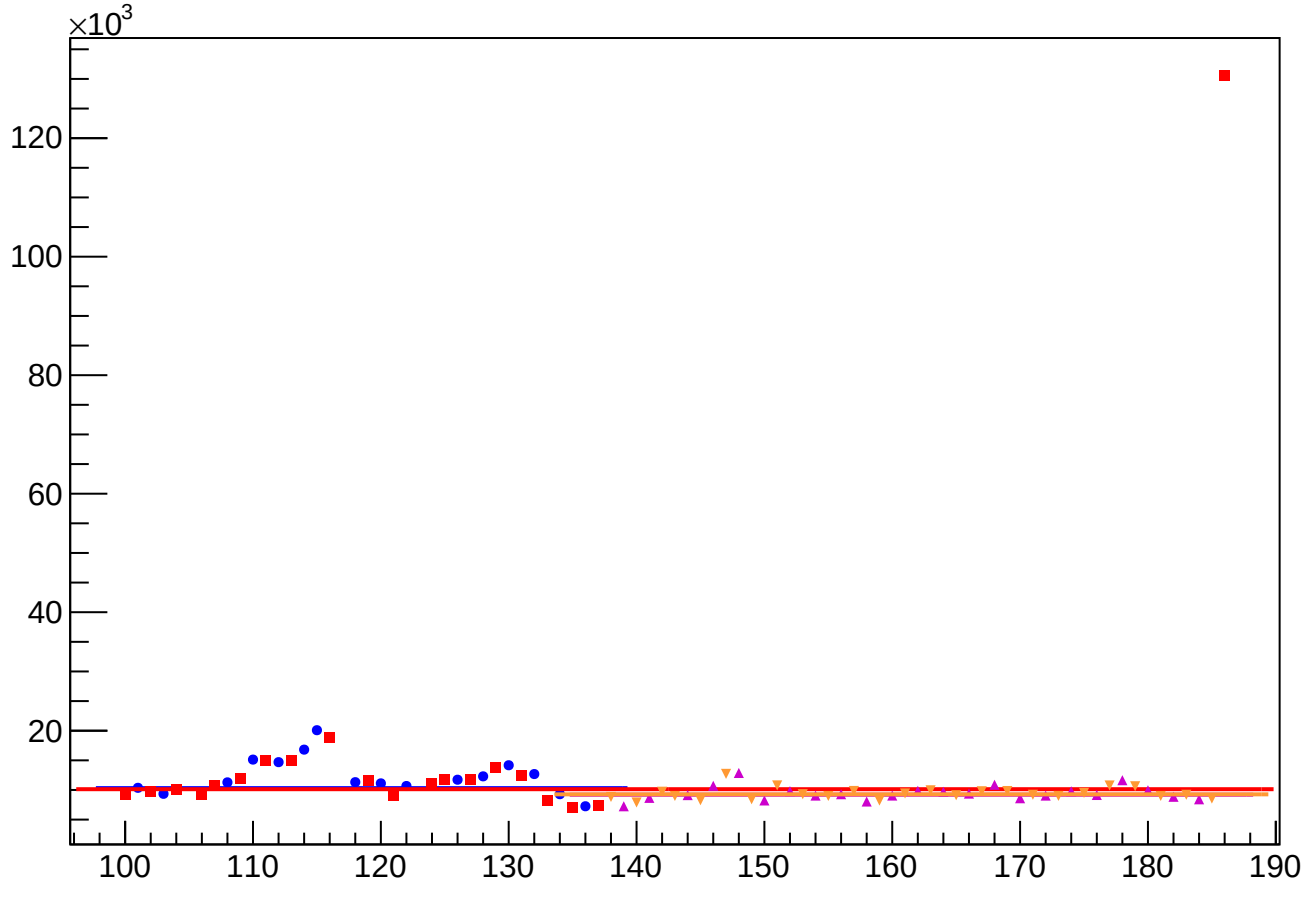
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -5.518+/-2.739 χ^2/NDF: 31.7/35

In: -1.446+/-1.902 χ^2/NDF:42.5/38

Out: 1.655+/-1.853 χ^2/NDF:46.9/44

All: 0.145+/-1.327 χ^2/NDF: 90.8/83



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

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

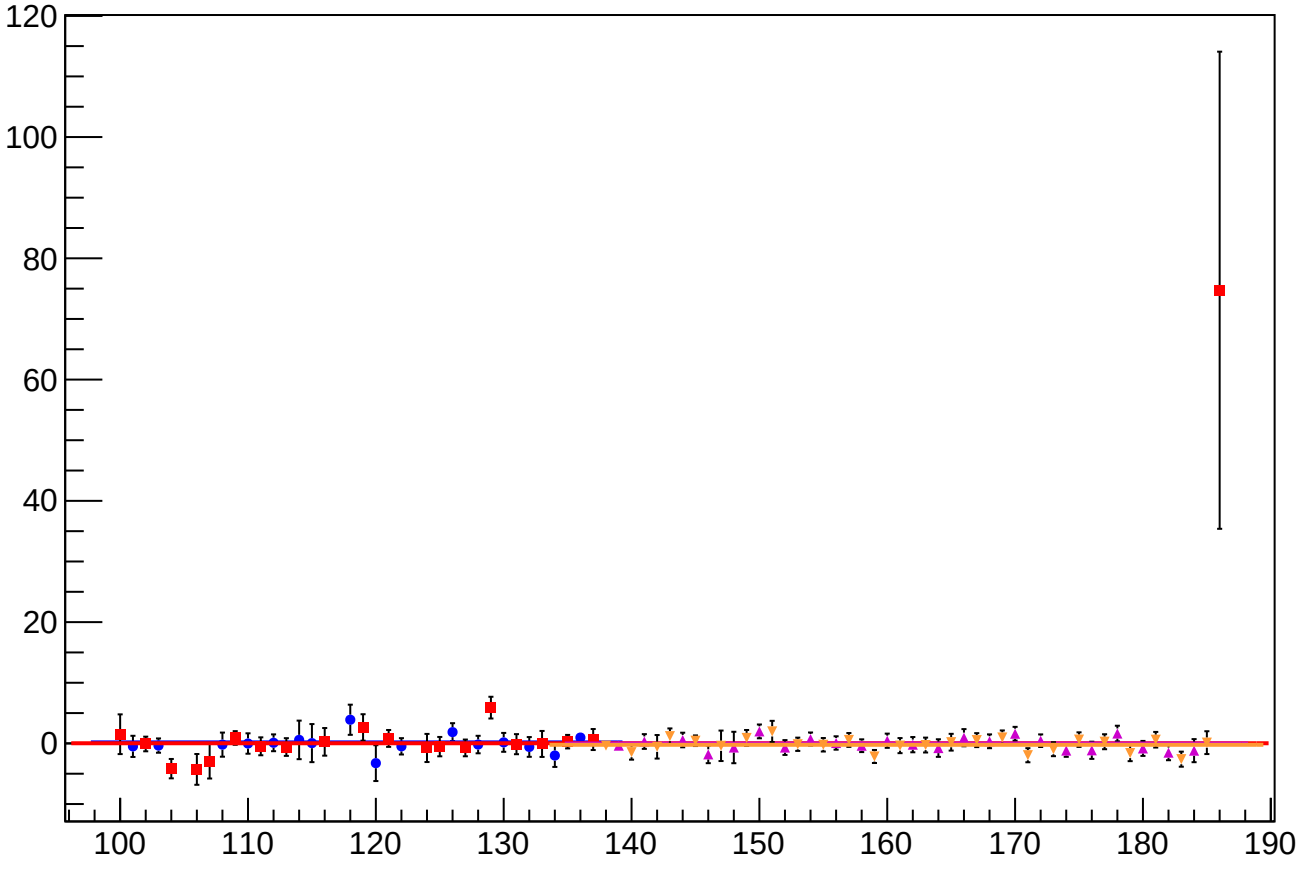
Right: 10217.014+/-1.936 χ^2/NDF: 2244003.0/35

In: 9457.781+/-1.345 χ^2/NDF:1407740.4/38

Out: 9467.501+/-1.310 χ^2/NDF:1916918.9/44

All: 9462.766+/-0.938 χ^2/NDF: 3324686.0/83

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

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

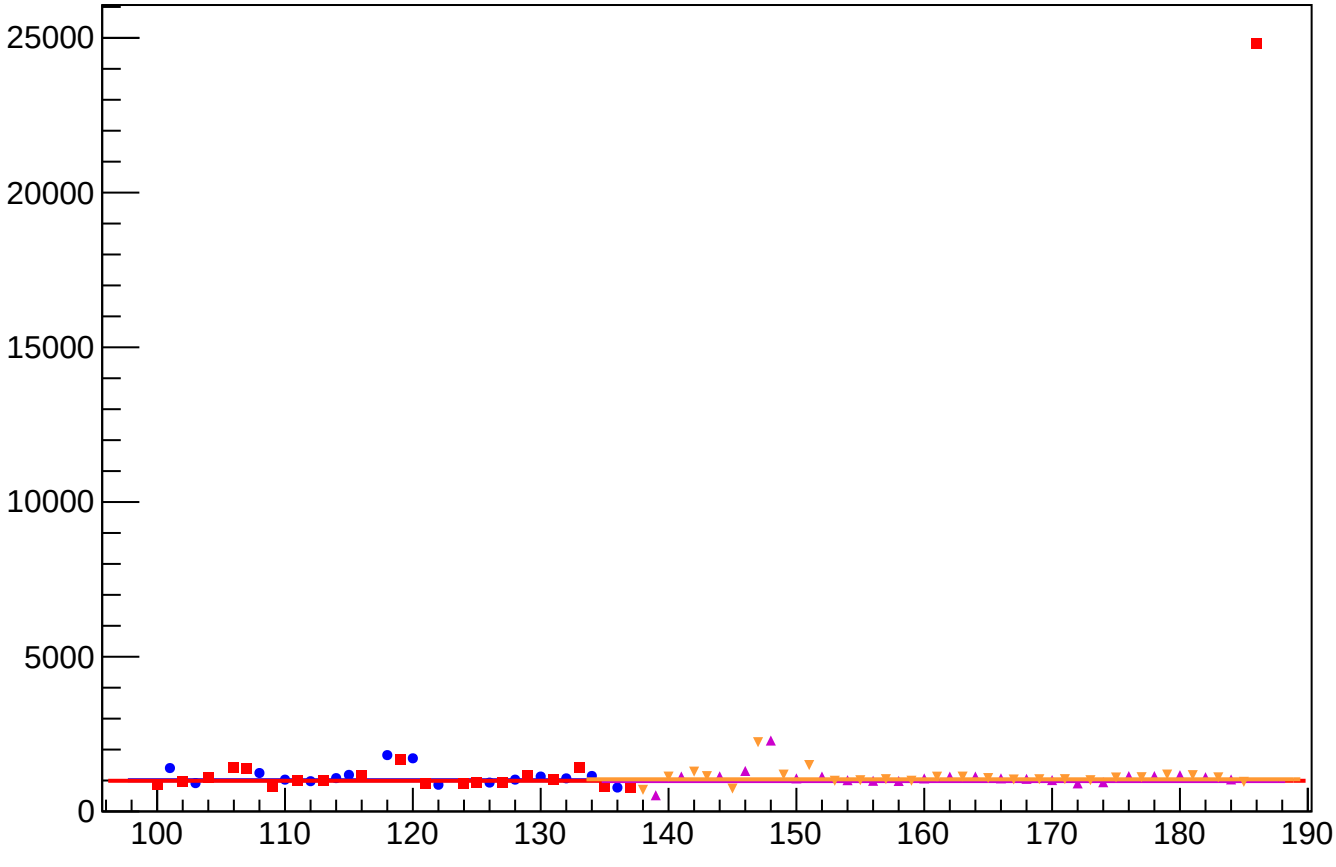
Right: 0.092+/-0.268 χ^2/NDF: 37.0/35

In: 0.028+/-0.203 χ^2/NDF:23.5/38

Out: -0.154+/-0.204 χ^2/NDF:48.1/44

All: -0.063+/-0.144 χ^2/NDF: 72.0/83

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

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

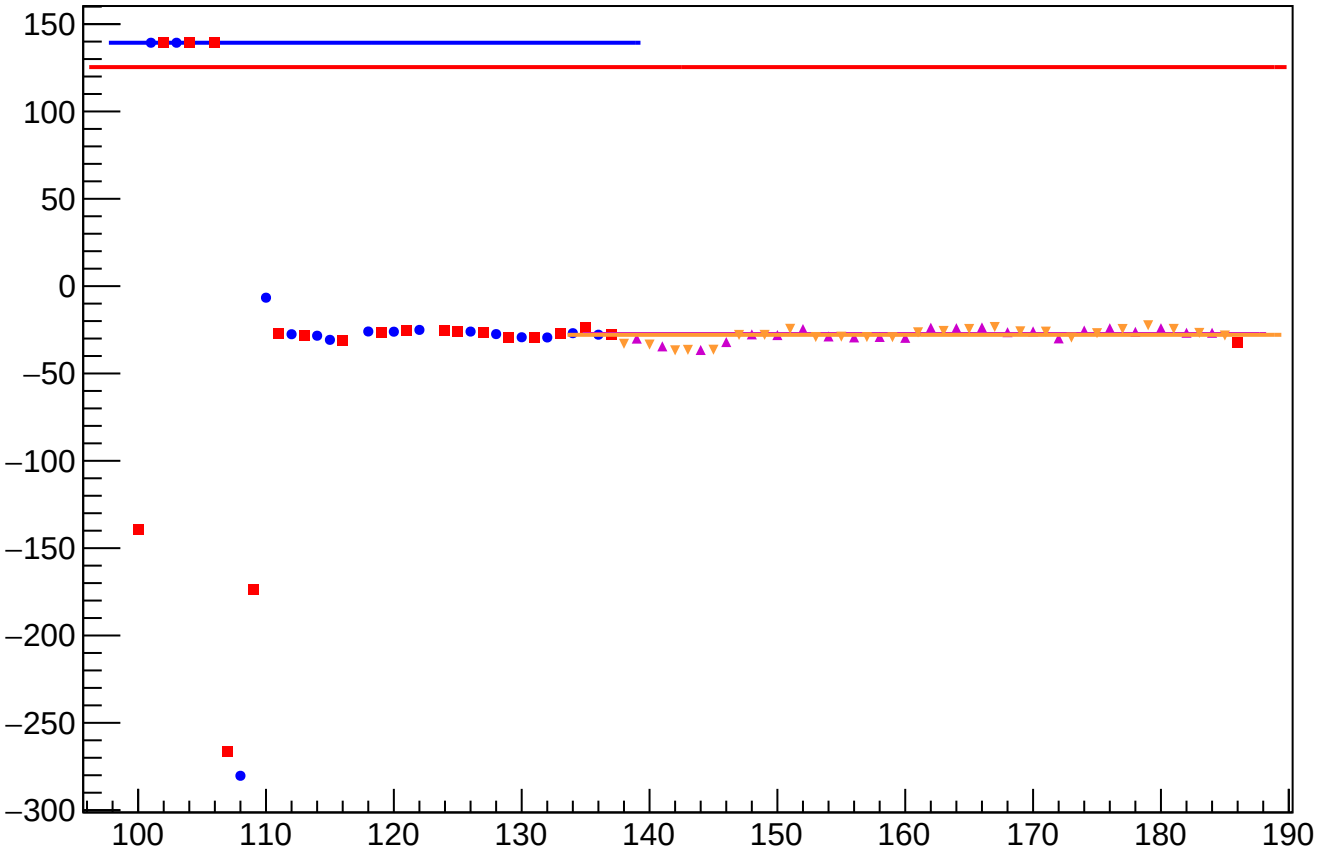
Right: 999.969+/-0.190 χ^2/NDF: 2010821.6/35

In: 989.306+/-0.144 χ^2/NDF:2931750.0/38

Out: 1025.032+/-0.144 χ^2/NDF:2672395.8/44

All: 1007.133+/-0.102 χ^2/NDF: 5634961.7/83

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

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

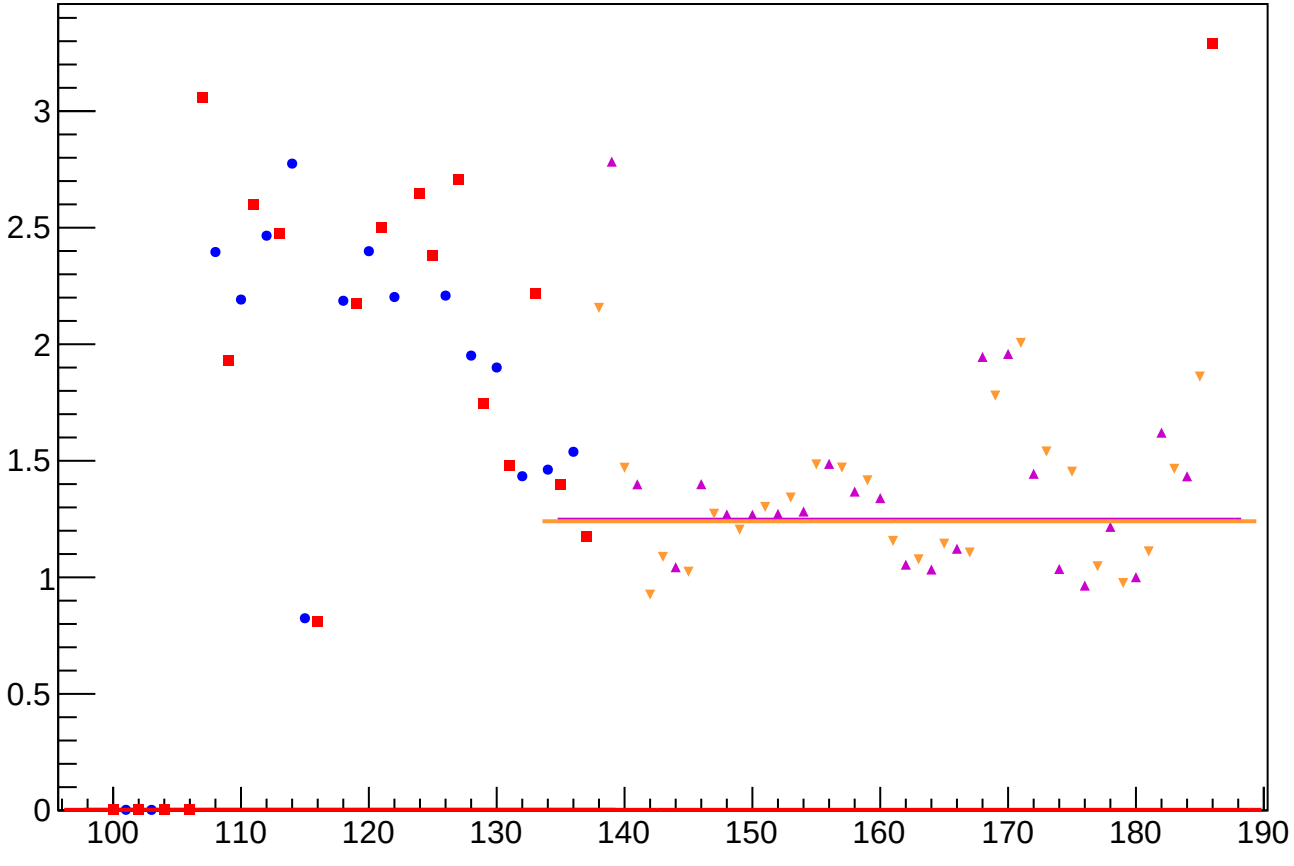
Right: 131.818+/-0.000 χ^2/NDF: 793005954065989

In: 139.328+/-0.000 χ^2/NDF:301487925012.7/38

Out: 125.385+/-0.000 χ^2/NDF:774404690304584.

All: 131.810+/-0.000 χ^2/NDF: 79348836862

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

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

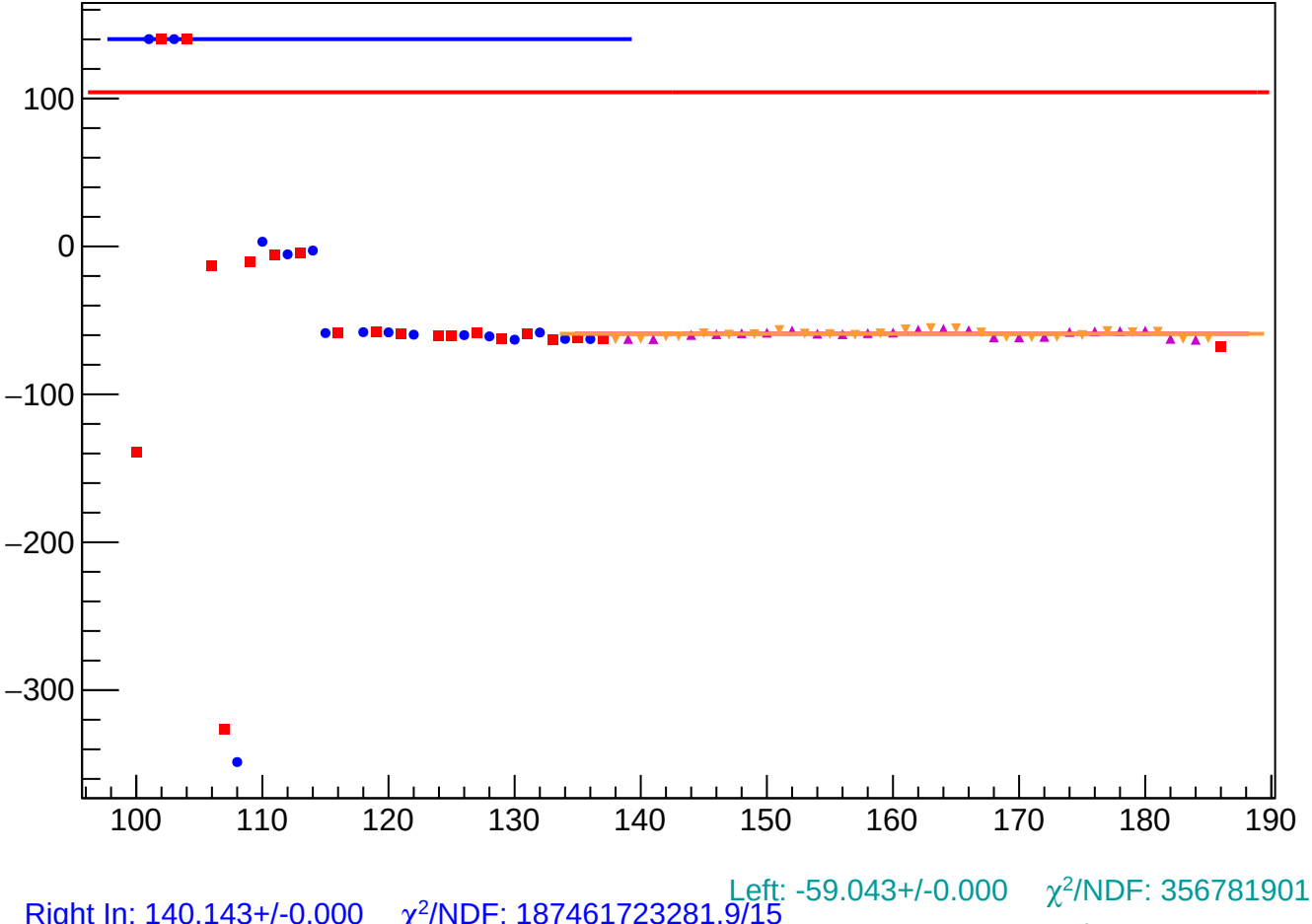
Right: 0.003+/-0.000 χ^2/NDF: 20064408.4/35

In: 0.003+/-0.000 χ^2/NDF:39331422.2/38

Out: 0.003+/-0.000 χ^2/NDF:41798939.3/44

All: 0.003+/-0.000 χ^2/NDF: 81130609.4/83

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

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

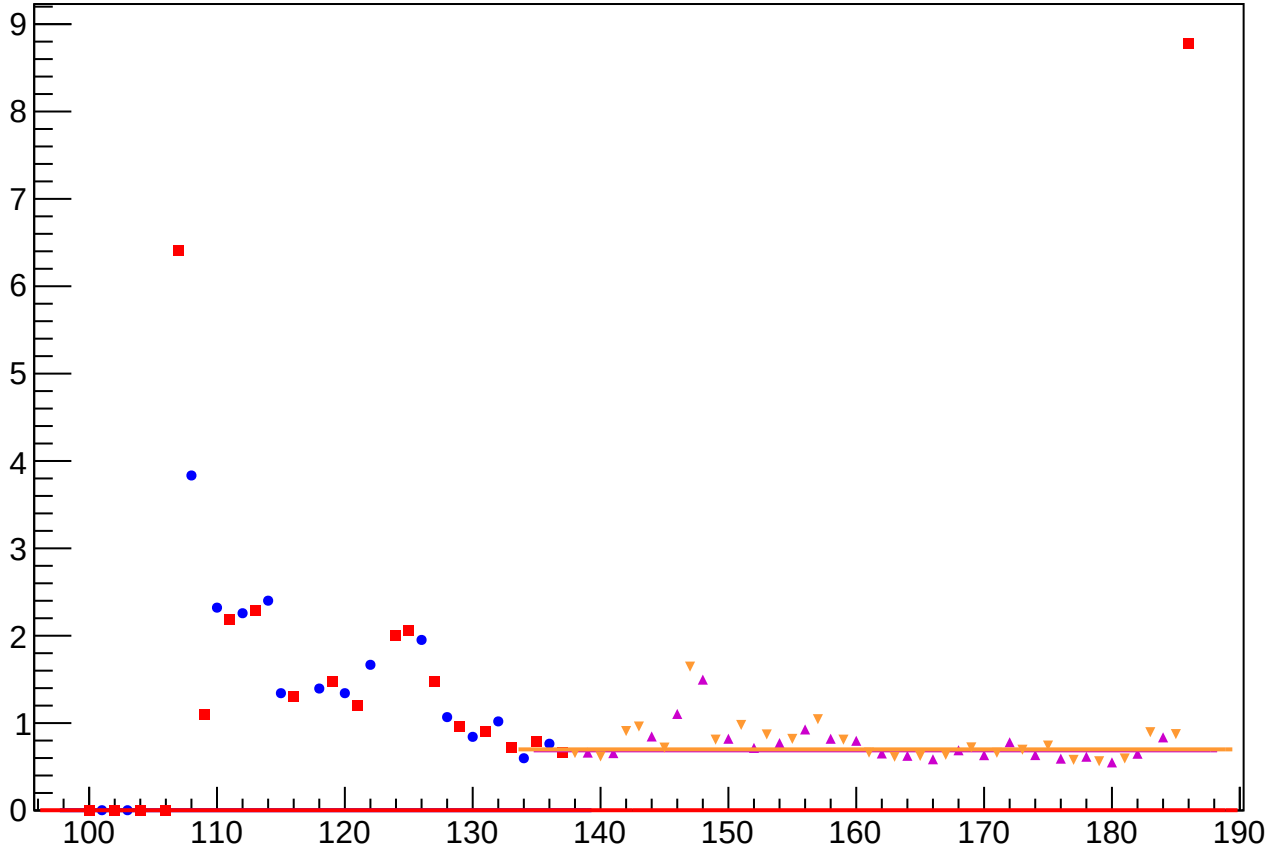
Right: 120.832+/-0.000 χ^2/NDF: 138089588734896

In: 140.107+/-0.000 χ^2/NDF:1463066252534.7/38

Out: 104.198+/-0.000 χ^2/NDF:1258273689183293

All: 120.801+/-0.000 χ^2/NDF: 13829940771

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

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

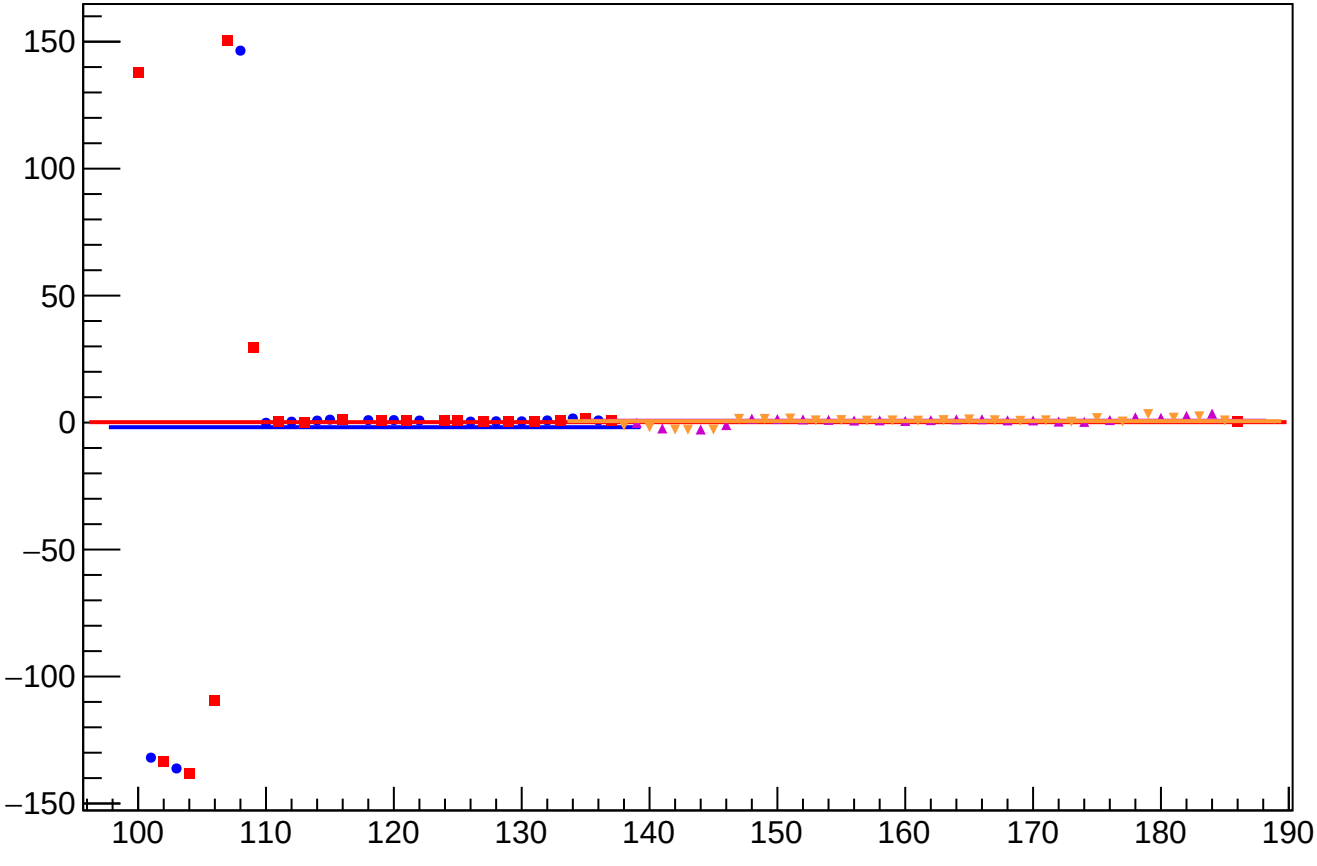
Right: 0.003+/-0.000 χ^2/NDF: 21630569.9/35

In: 0.003+/-0.000 χ^2/NDF:41885623.6/38

Out: 0.003+/-0.000 χ^2/NDF:44109807.3/44

All: 0.003+/-0.000 χ^2/NDF: 85995844.6/83

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

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

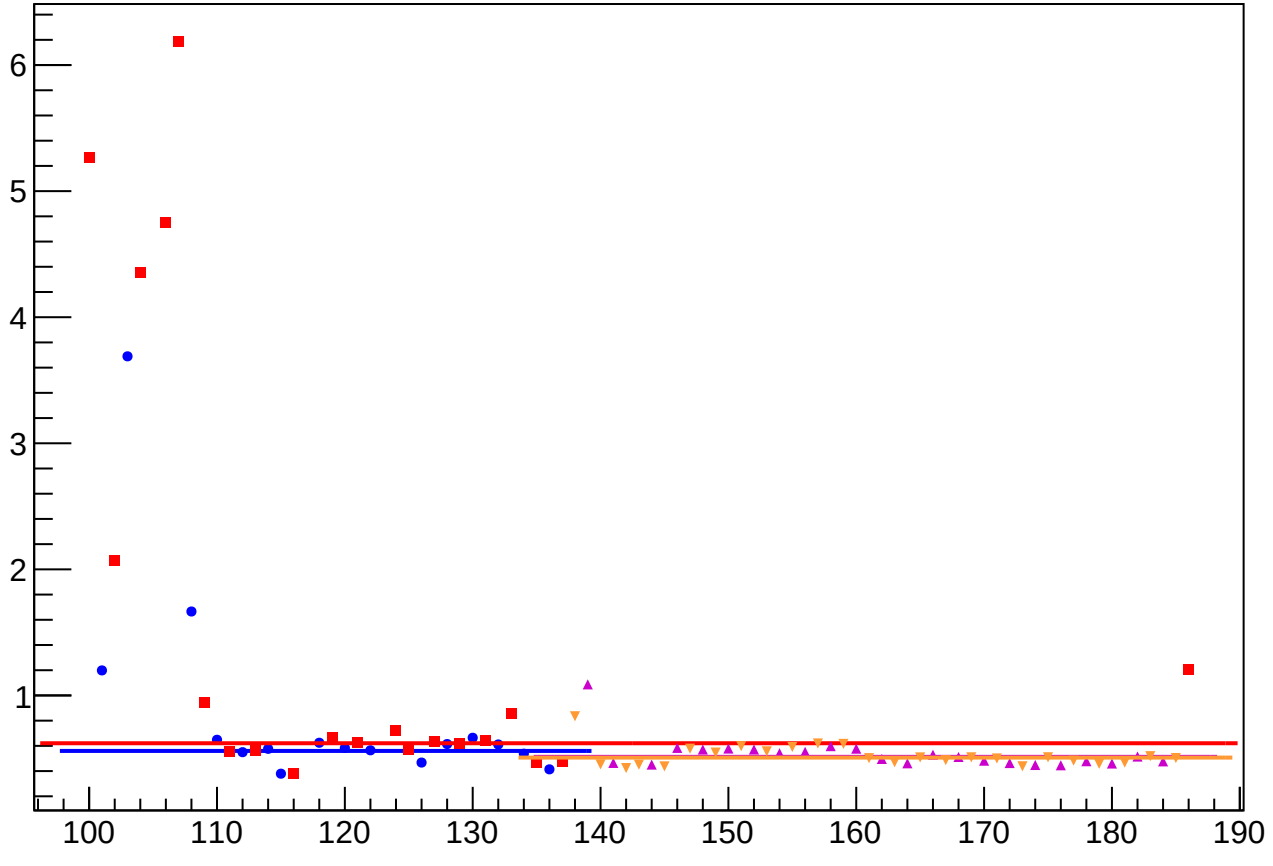
Right: -0.908+/-0.000 χ^2/NDF: 13527579019.4/35

In: 0.162+/-0.000 χ^2/NDF:10073763508.0/38

Out: 0.500+/-0.000 χ^2/NDF:3767462617.8/44

All: 0.334+/-0.000 χ^2/NDF: 13845415746.6/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

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

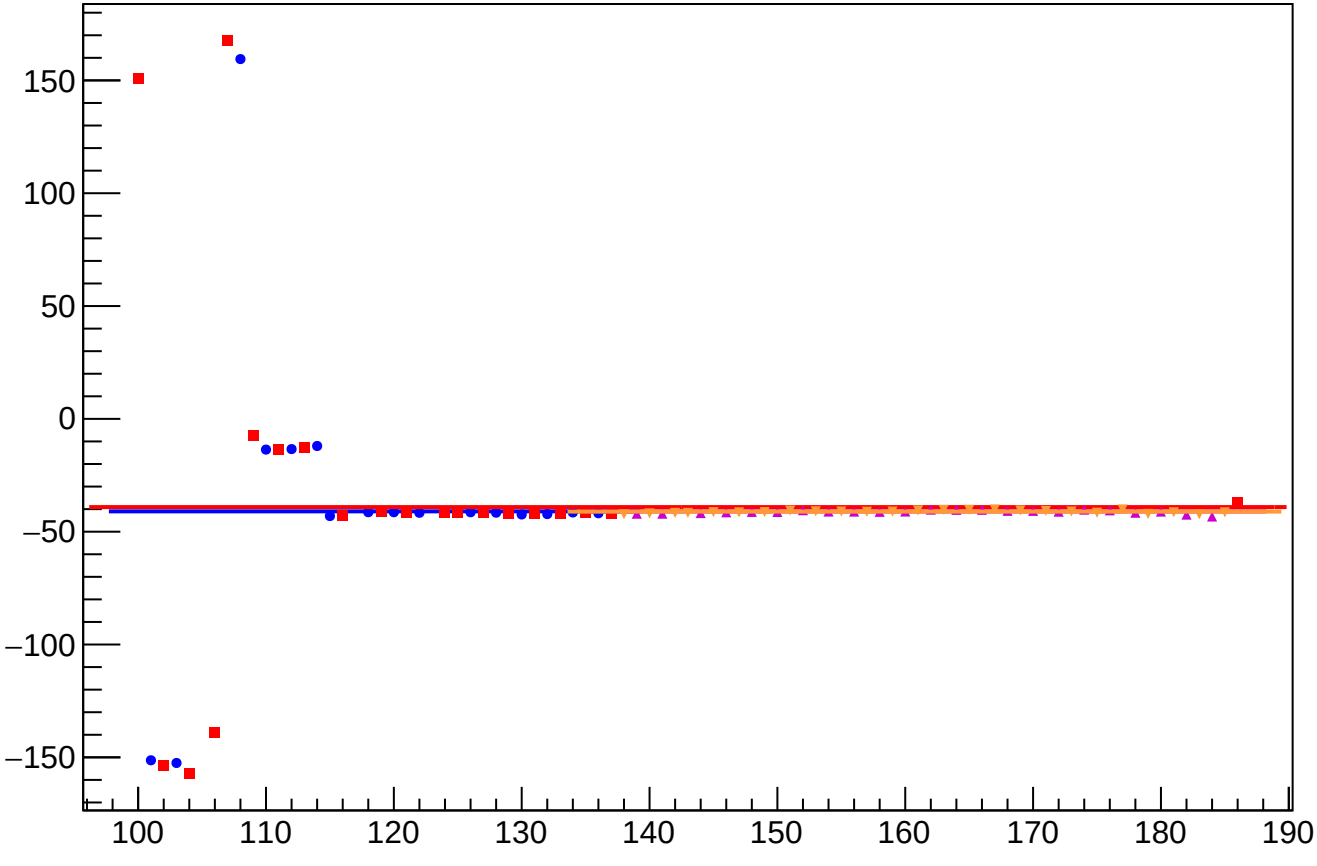
Right: 0.588+/-0.000 χ^2/NDF: 4311958.3/35

In: 0.523+/-0.000 χ^2/NDF:2407224.0/38

Out: 0.528+/-0.000 χ^2/NDF:3501720.7/44

All: 0.526+/-0.000 χ^2/NDF: 5910463.1/83

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

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

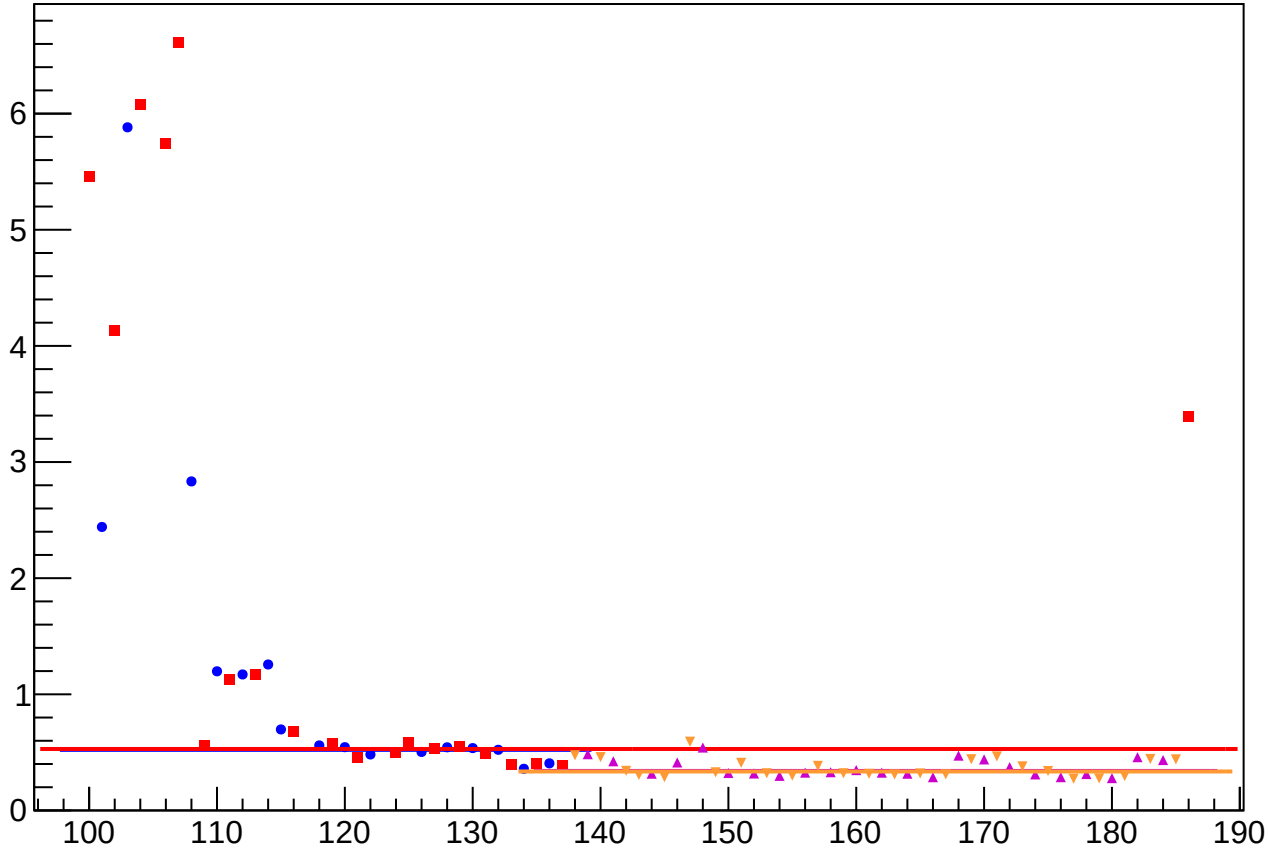
Right: -40.055+/-0.000 χ^2/NDF: 5962411383.5/35

In: -41.025+/-0.000 χ^2/NDF:3501033678.9/38

Out: -40.888+/-0.000 χ^2/NDF:2604670232.2/44

All: -40.954+/-0.000 χ^2/NDF: 6107277559.1/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

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

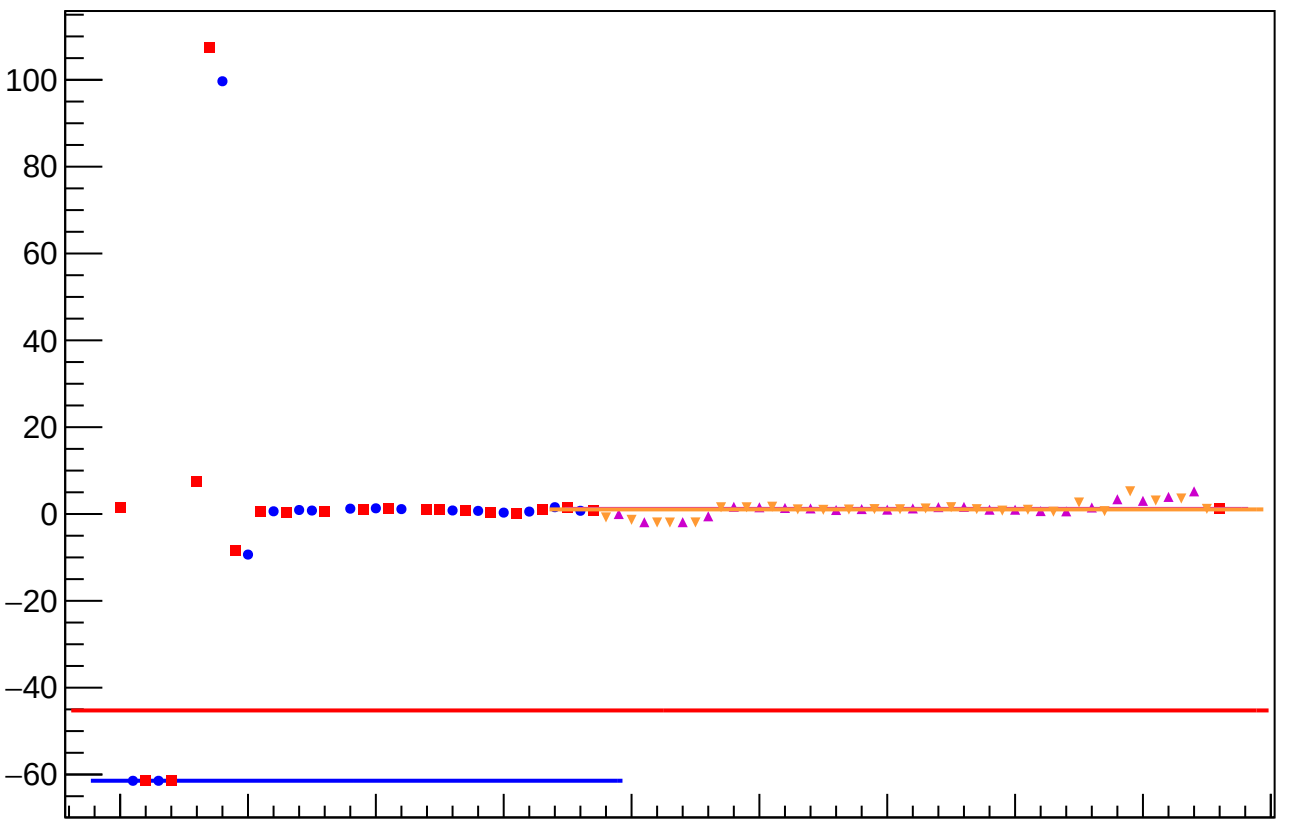
Right: 0.526+/-0.000 χ^2/NDF: 6761810.8/35

In: 0.361+/-0.000 χ^2/NDF:5096823.5/38

Out: 0.355+/-0.000 χ^2/NDF:6257774.3/44

All: 0.358+/-0.000 χ^2/NDF: 11359341.4/83

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

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

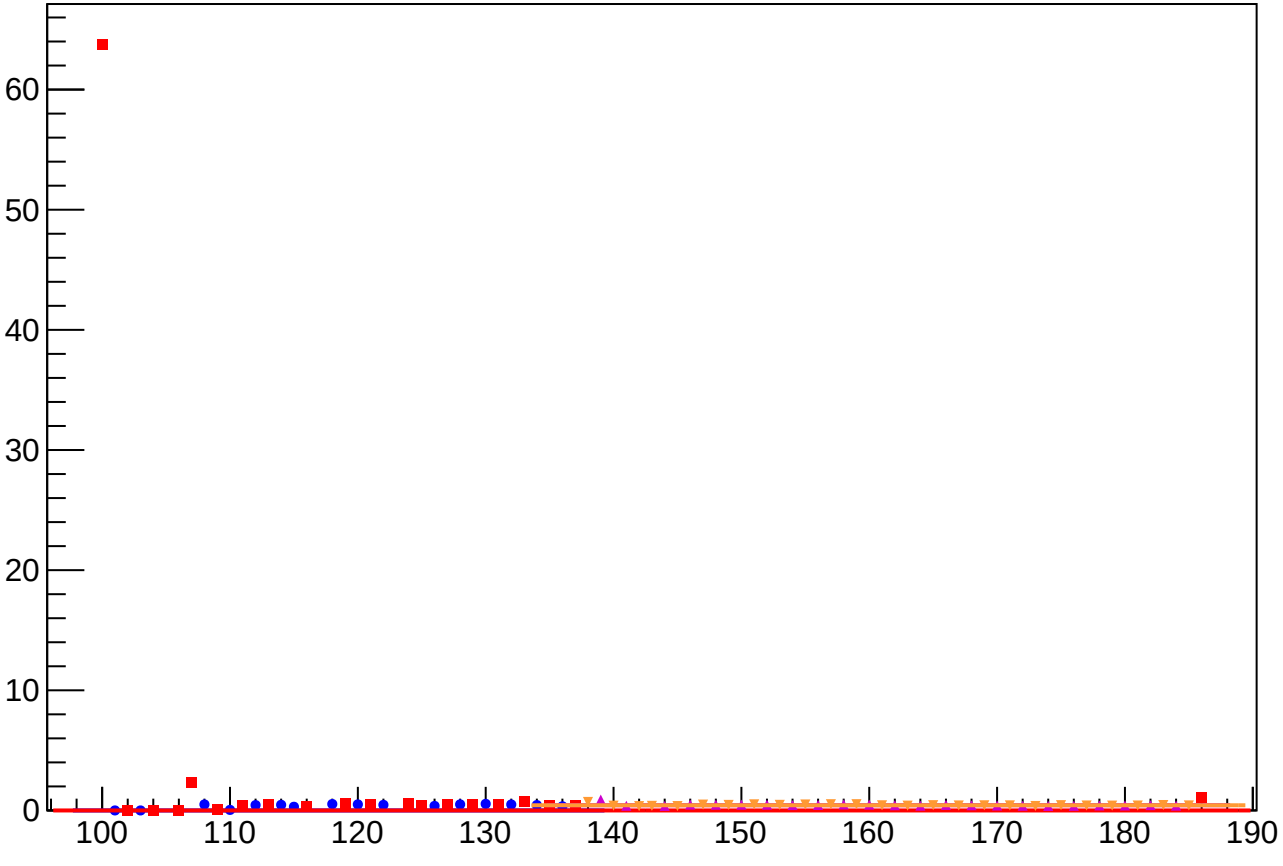
Right: -52.749+/-0.000 χ^2/NDF: 409122902973463

In: -61.423+/-0.000 χ^2/NDF:576363295618.6/38

Out: -45.236+/-0.000 χ^2/NDF:358052342403202.8

All: -52.738+/-0.000 χ^2/NDF: 409592319469

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

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

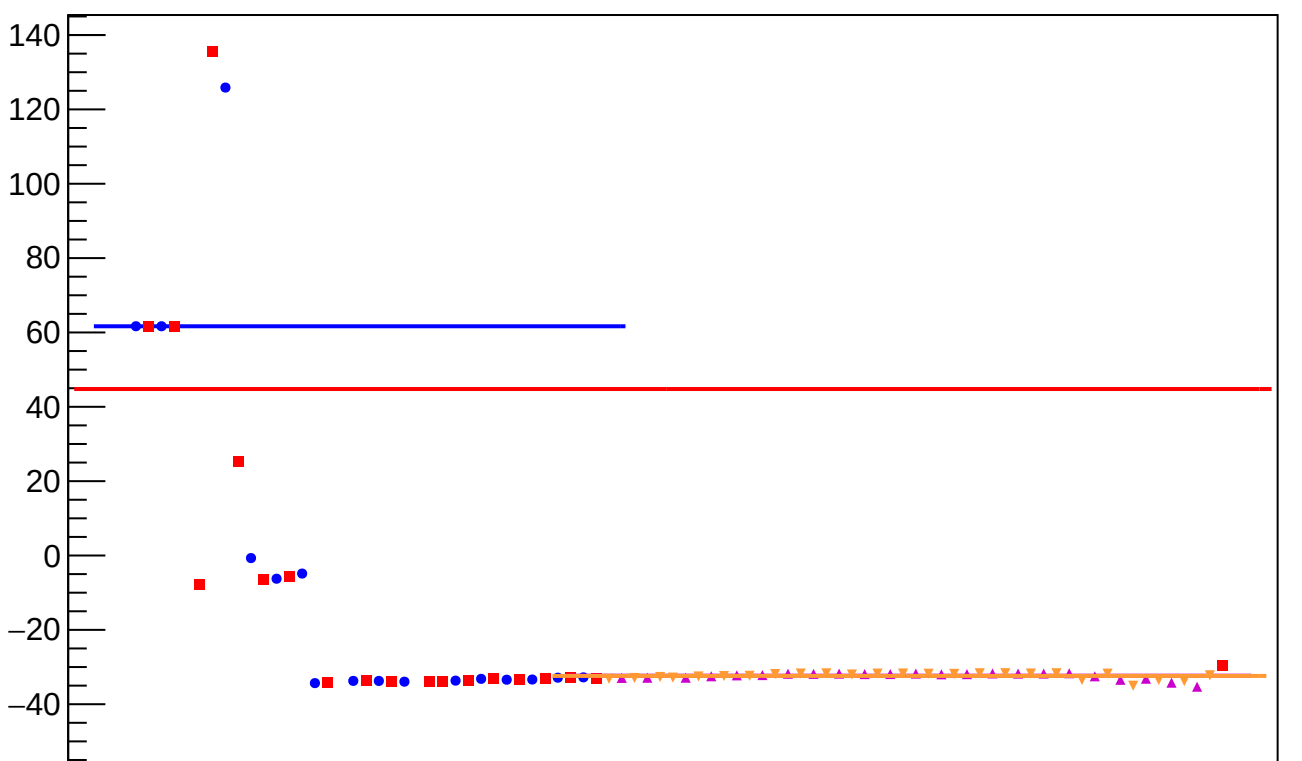
Right: 0.001+/-0.000 χ^2/NDF: 19262478.6/35

In: 0.002+/-0.000 χ^2/NDF:39298343.3/38

Out: 0.002+/-0.000 χ^2/NDF:41873269.2/44

All: 0.002+/-0.000 χ^2/NDF: 81171637.4/83

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.786+/-0.000 χ^2/NDF: 366095027808749.8/19

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

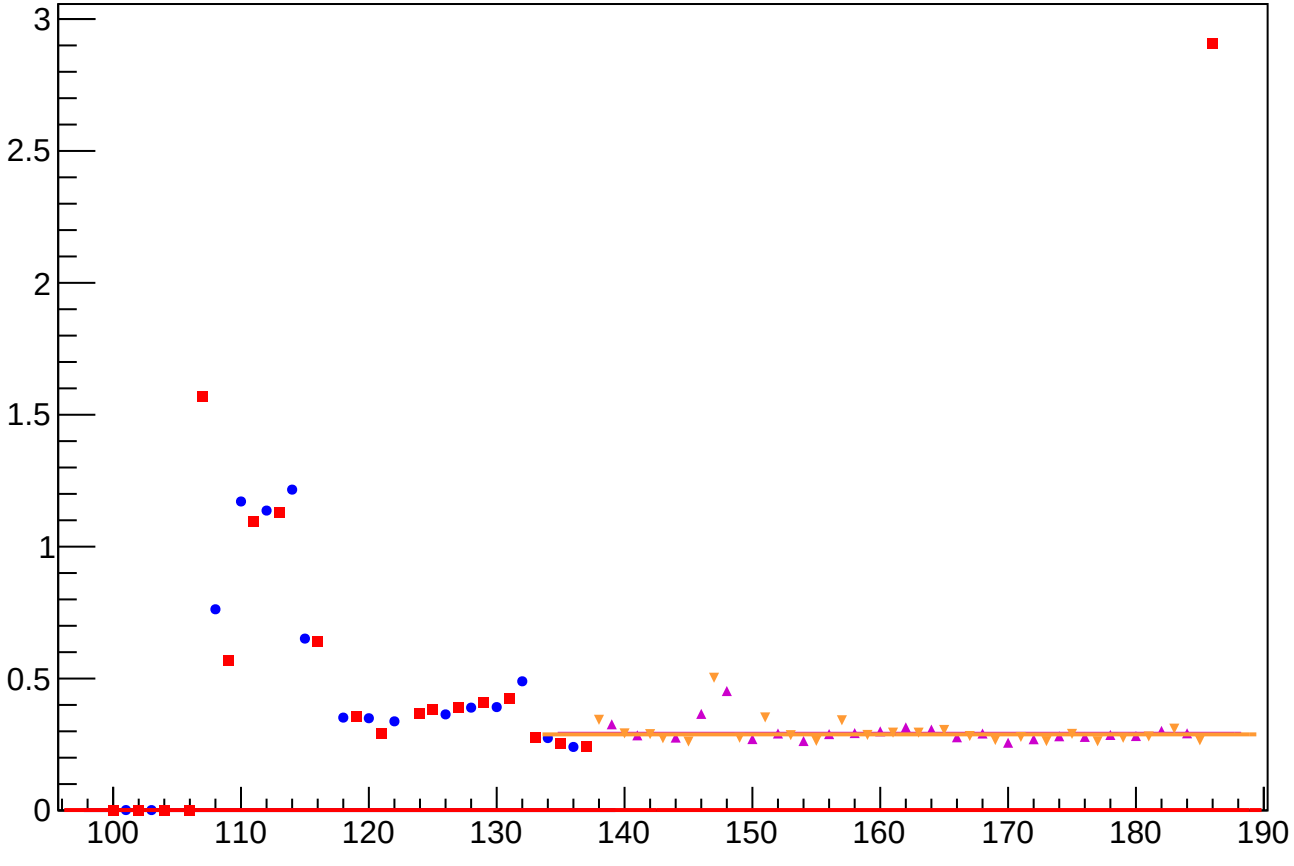
Right: 52.689+/-0.000 χ^2/NDF: 417568386986278.9

In: 61.604+/-0.000 χ^2/NDF:2193341734105.7/38

Out: 44.741+/-0.000 χ^2/NDF:367413622120311.4

All: 52.638+/-0.000 χ^2/NDF: 420663098707

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

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

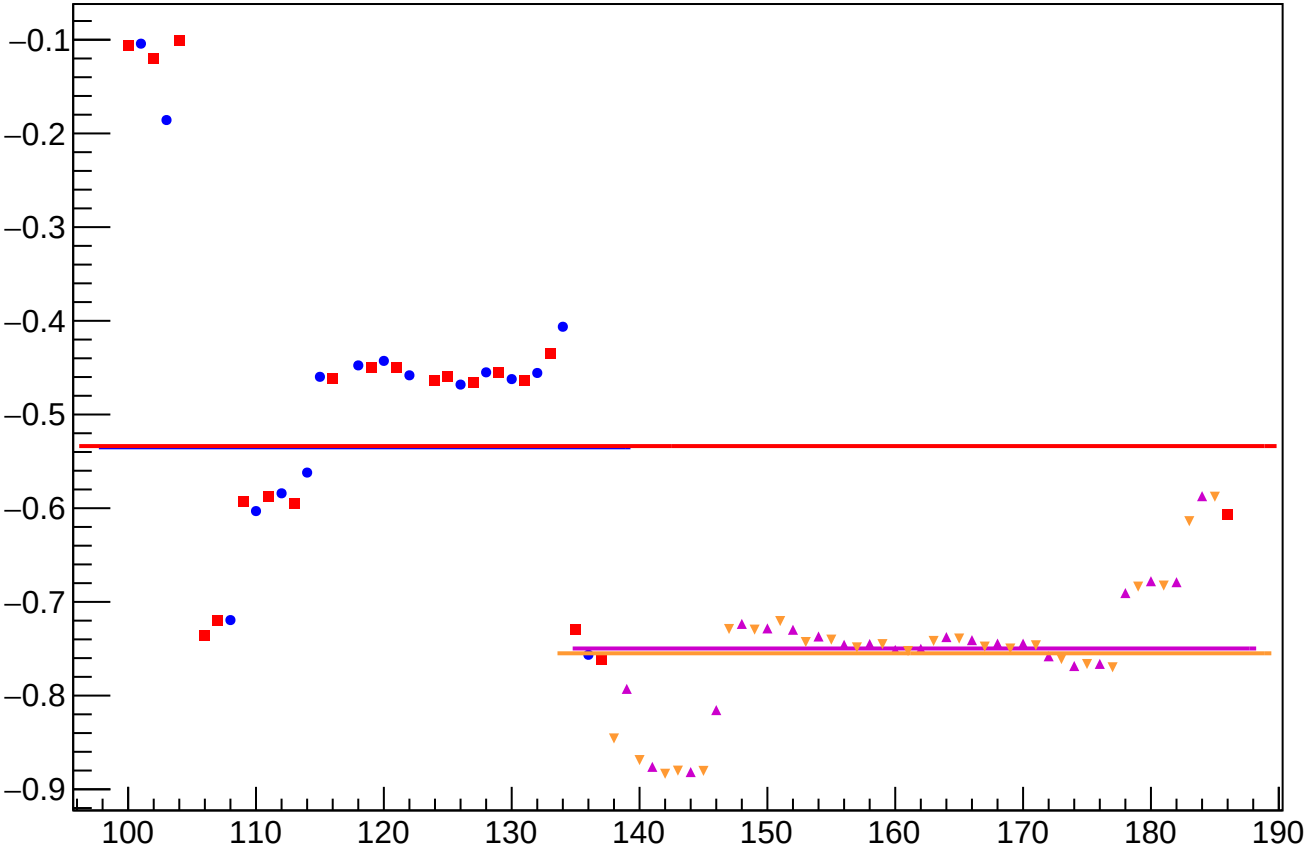
Right: 0.002+/-0.000 χ^2/NDF: 22347925.5/35

In: 0.002+/-0.000 χ^2/NDF:45934938.6/38

Out: 0.002+/-0.000 χ^2/NDF:48284550.1/44

All: 0.002+/-0.000 χ^2/NDF: 94219512.1/83

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

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

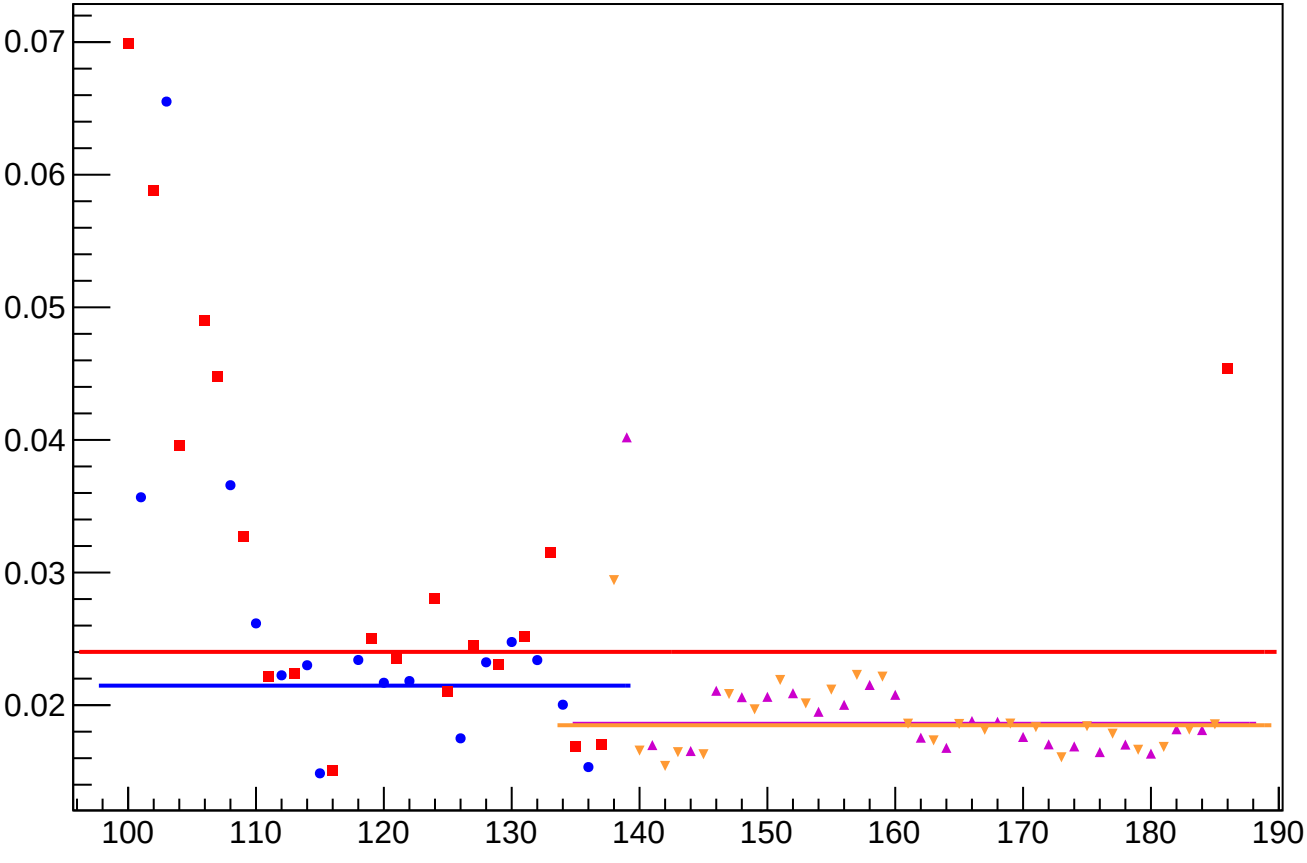
Right: -0.534+/-0.000 χ^2/NDF: 515980973.7/35

In: -0.704+/-0.000 χ^2/NDF:862543976.5/38

Out: -0.715+/-0.000 χ^2/NDF:835014350.7/44

All: -0.709+/-0.000 χ^2/NDF: 1700902151.5/8

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.018+/-0.000 χ^2/NDF: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

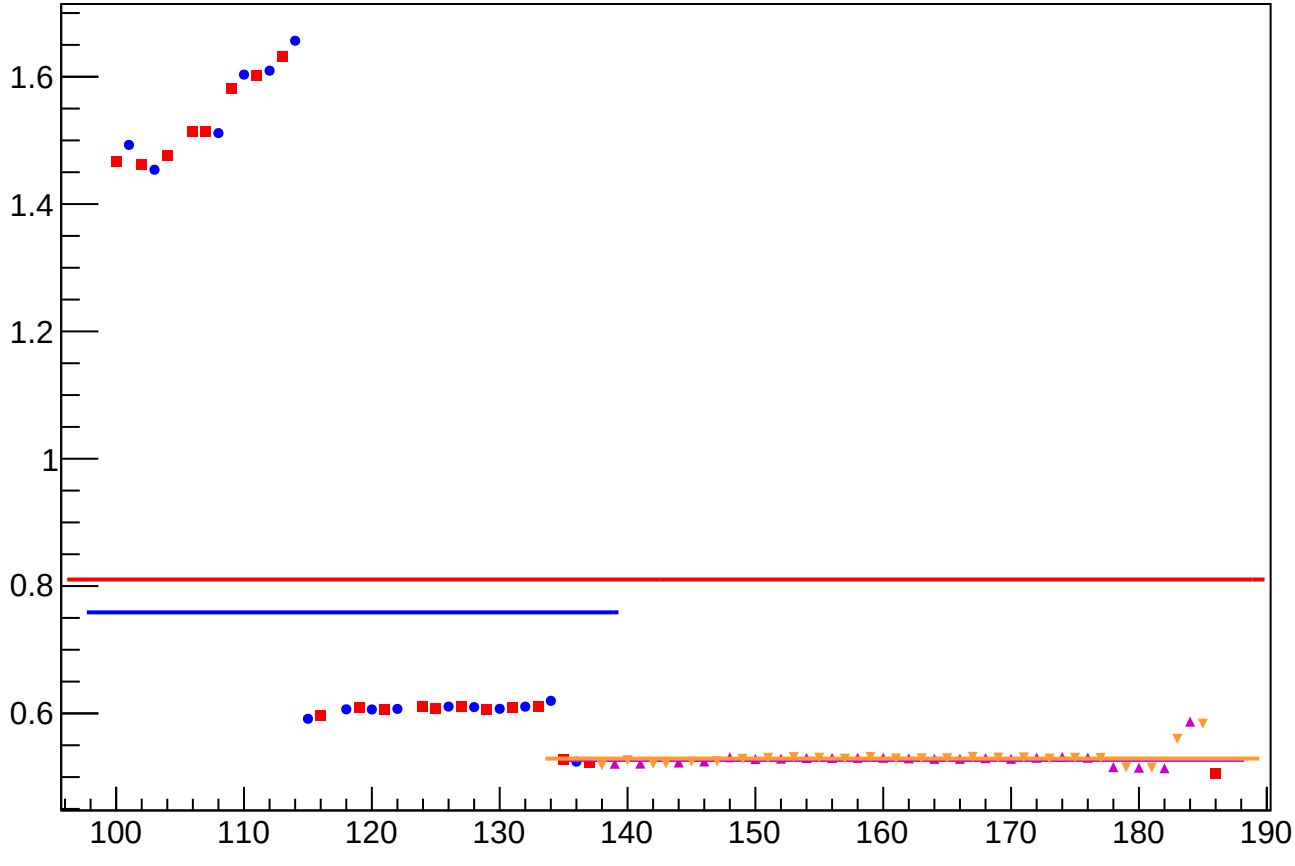
Right: 0.023+/-0.000 χ^2/NDF: 2672437.0/35

In: 0.019+/-0.000 χ^2/NDF:2044274.5/38

Out: 0.019+/-0.000 χ^2/NDF:2449283.6/44

All: 0.019+/-0.000 χ^2/NDF: 4497857.7/83

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

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

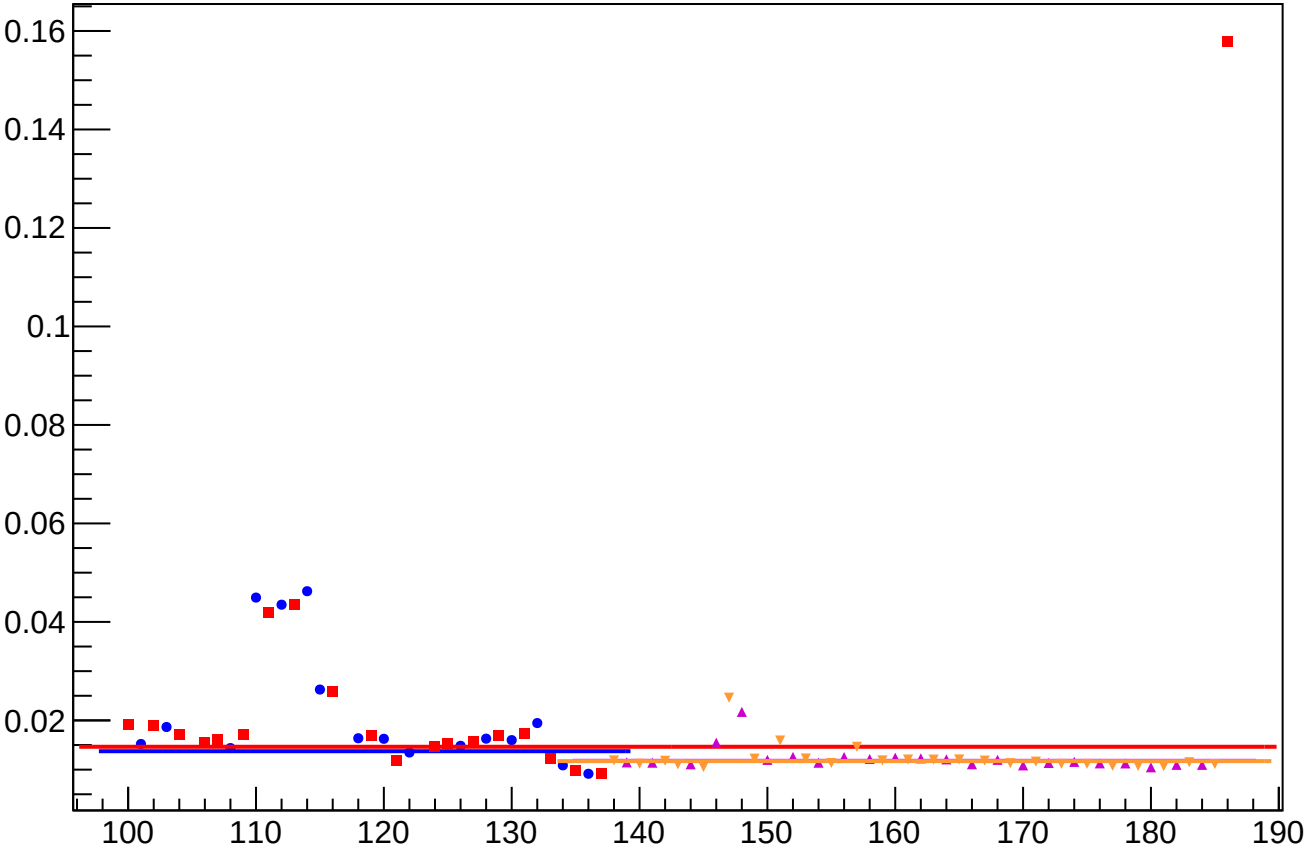
Right: 0.784+/-0.000 χ^2/NDF: 9115457068.3/35

In: 0.573+/-0.000 χ^2/NDF:5672128554.1/38

Out: 0.579+/-0.000 χ^2/NDF:6694980660.2/44

All: 0.576+/-0.000 χ^2/NDF: 12370231213.8/8

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF: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

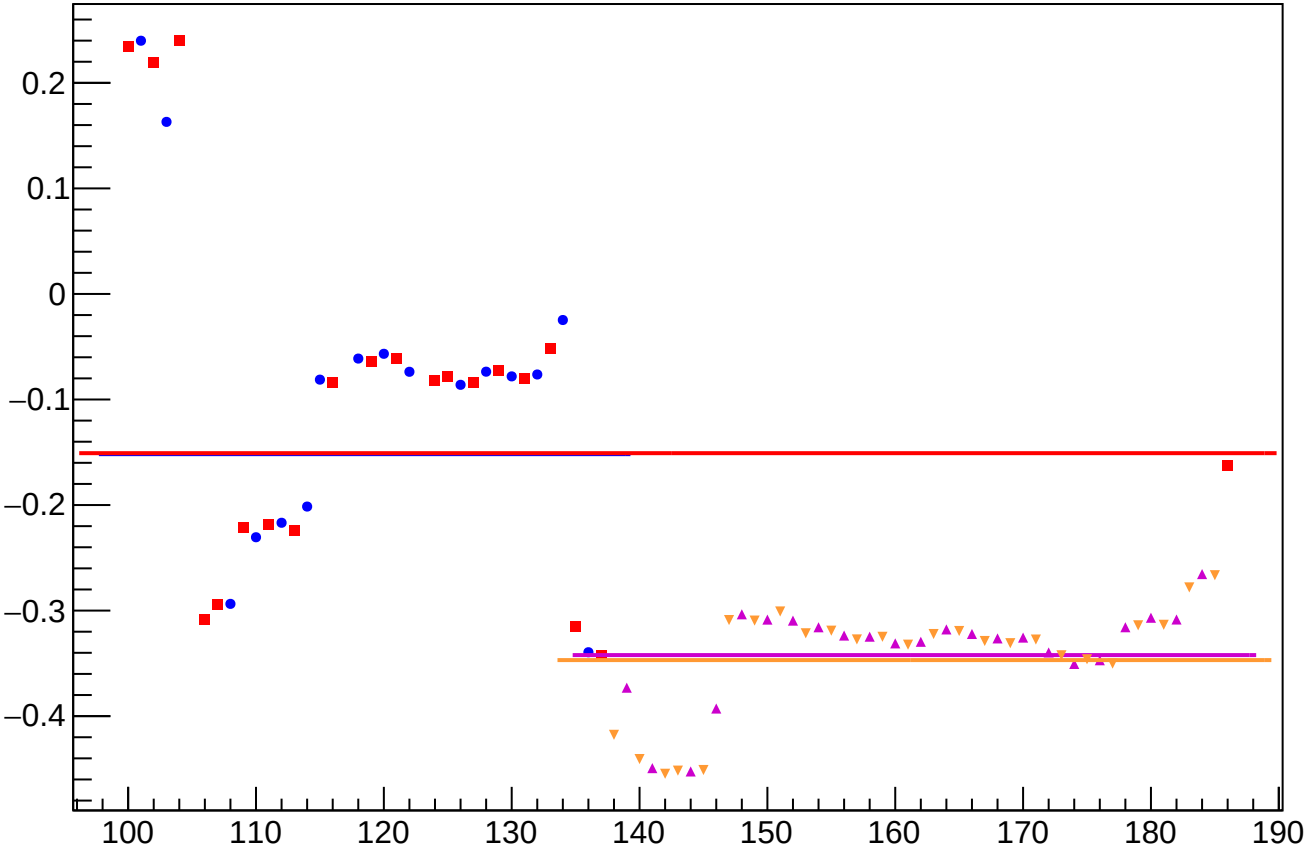
Right: 0.014+/-0.000 χ^2/NDF: 3760060.4/35

In: 0.012+/-0.000 χ^2/NDF:2361736.3/38

Out: 0.012+/-0.000 χ^2/NDF:3194636.1/44

All: 0.012+/-0.000 χ^2/NDF: 5557312.5/83

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

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

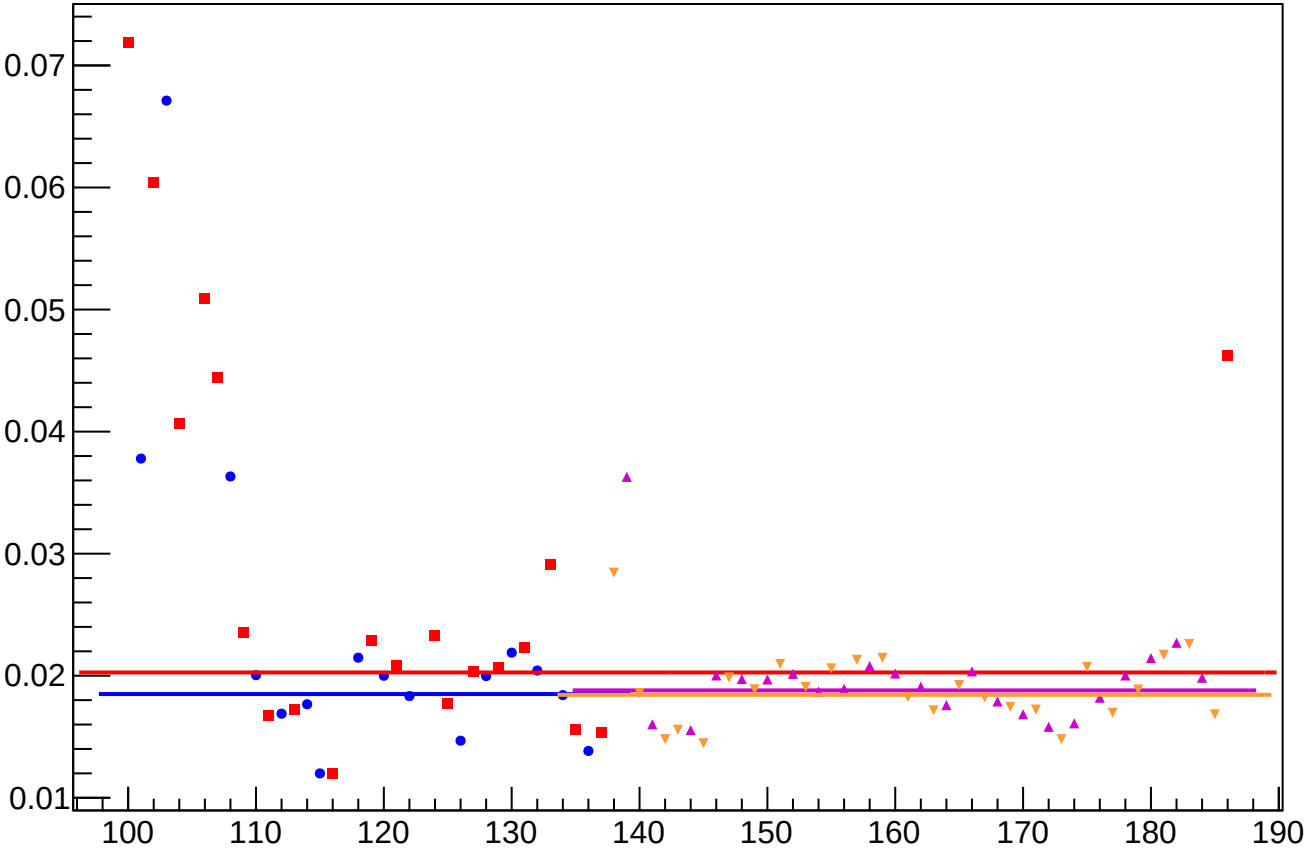
Right: -0.151+/-0.000 χ^2/NDF: 476233715.2/35

In: -0.292+/-0.000 χ^2/NDF:774885700.6/38

Out: -0.302+/-0.000 χ^2/NDF:736675071.1/44

All: -0.297+/-0.000 χ^2/NDF: 1514799874.7/8

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF: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

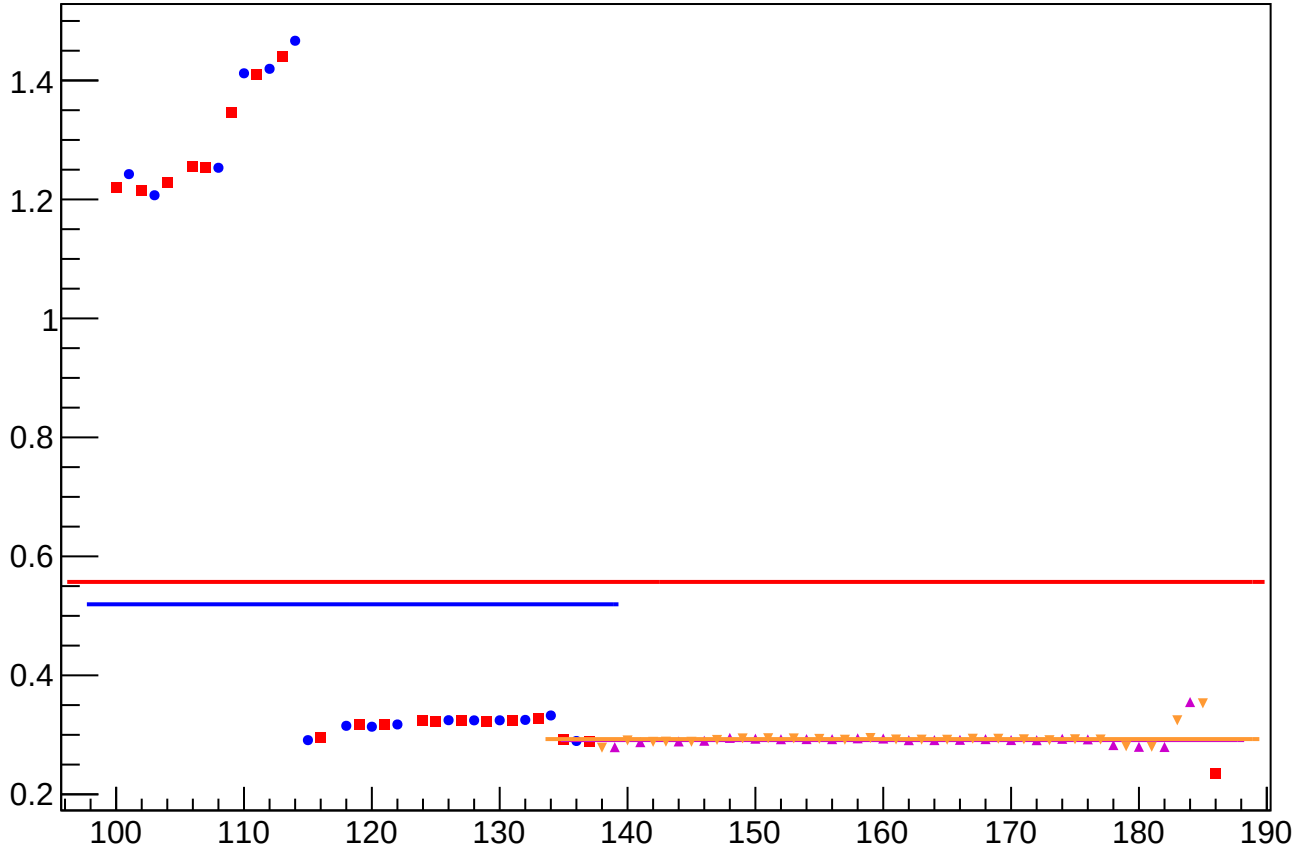
Right: 0.019+/-0.000 χ^2/NDF: 3208362.3/35

In: 0.019+/-0.000 χ^2/NDF:2093122.0/38

Out: 0.019+/-0.000 χ^2/NDF:2502120.1/44

All: 0.019+/-0.000 χ^2/NDF: 4596355.5/83

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

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

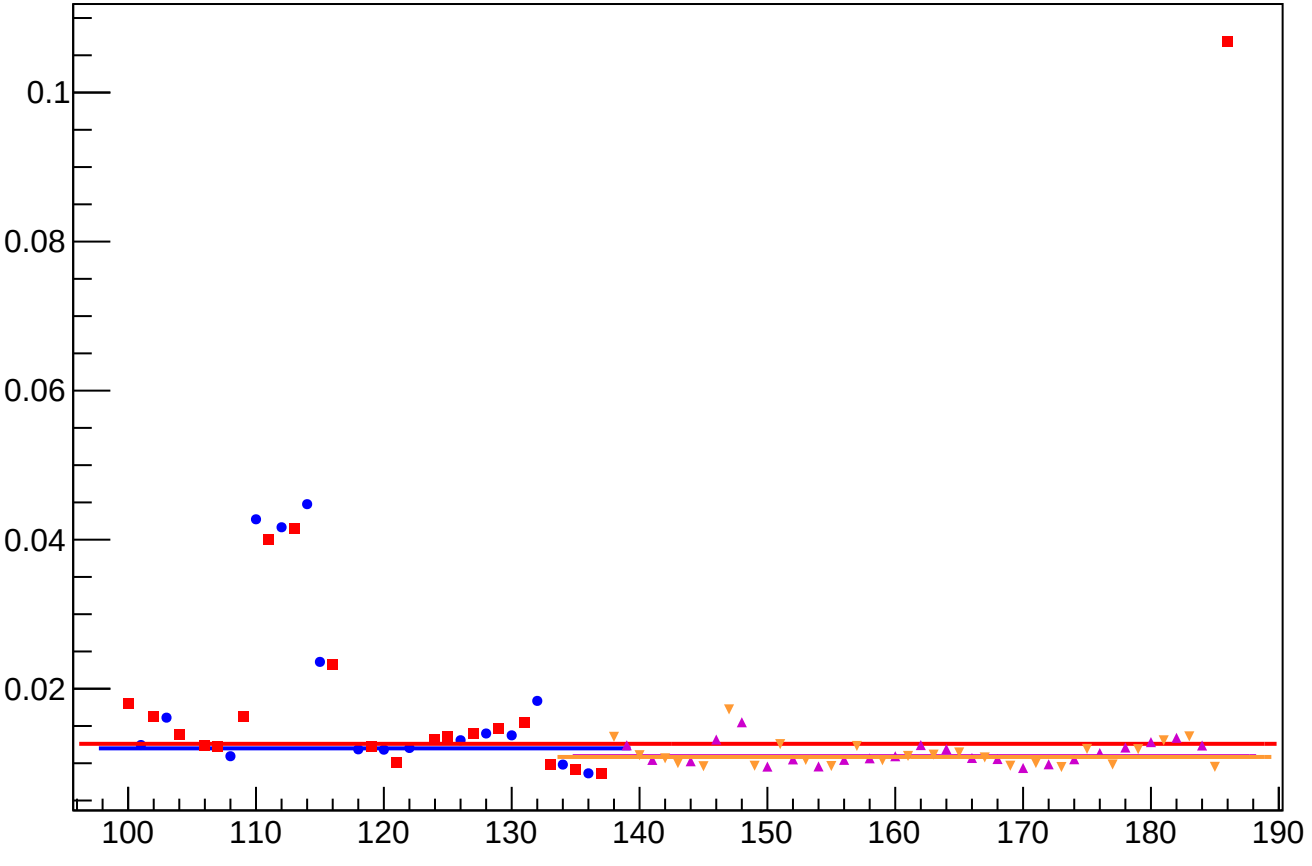
Right: 0.538+/-0.000 χ^2/NDF: 13097219435.2/35

In: 0.342+/-0.000 χ^2/NDF:8006834192.7/38

Out: 0.346+/-0.000 χ^2/NDF:8947210828.4/44

All: 0.344+/-0.000 χ^2/NDF: 16955451131.0/8

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF: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

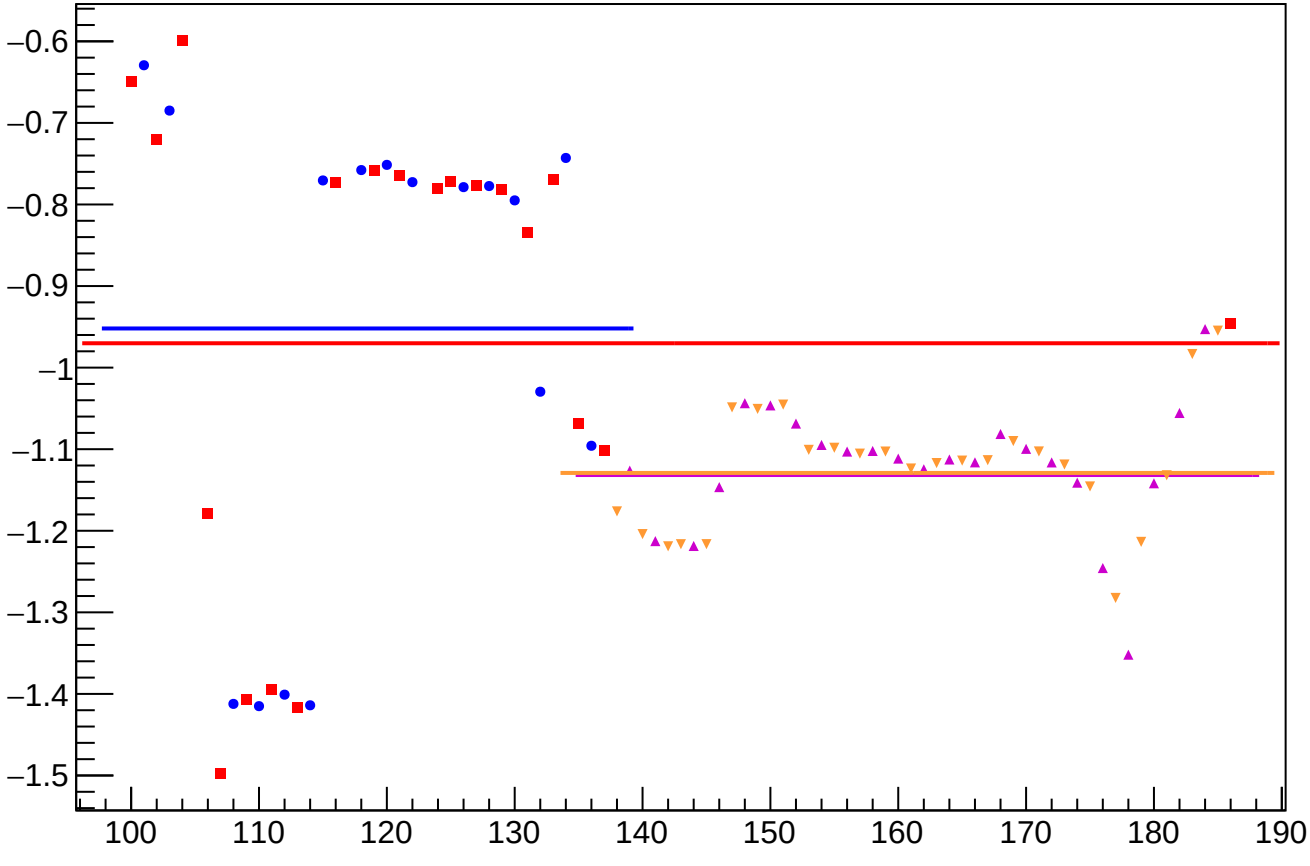
Right: 0.012+/-0.000 χ^2/NDF: 3536526.9/35

In: 0.011+/-0.000 χ^2/NDF:2073588.4/38

Out: 0.011+/-0.000 χ^2/NDF:2878415.6/44

All: 0.011+/-0.000 χ^2/NDF: 4952023.0/83

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

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

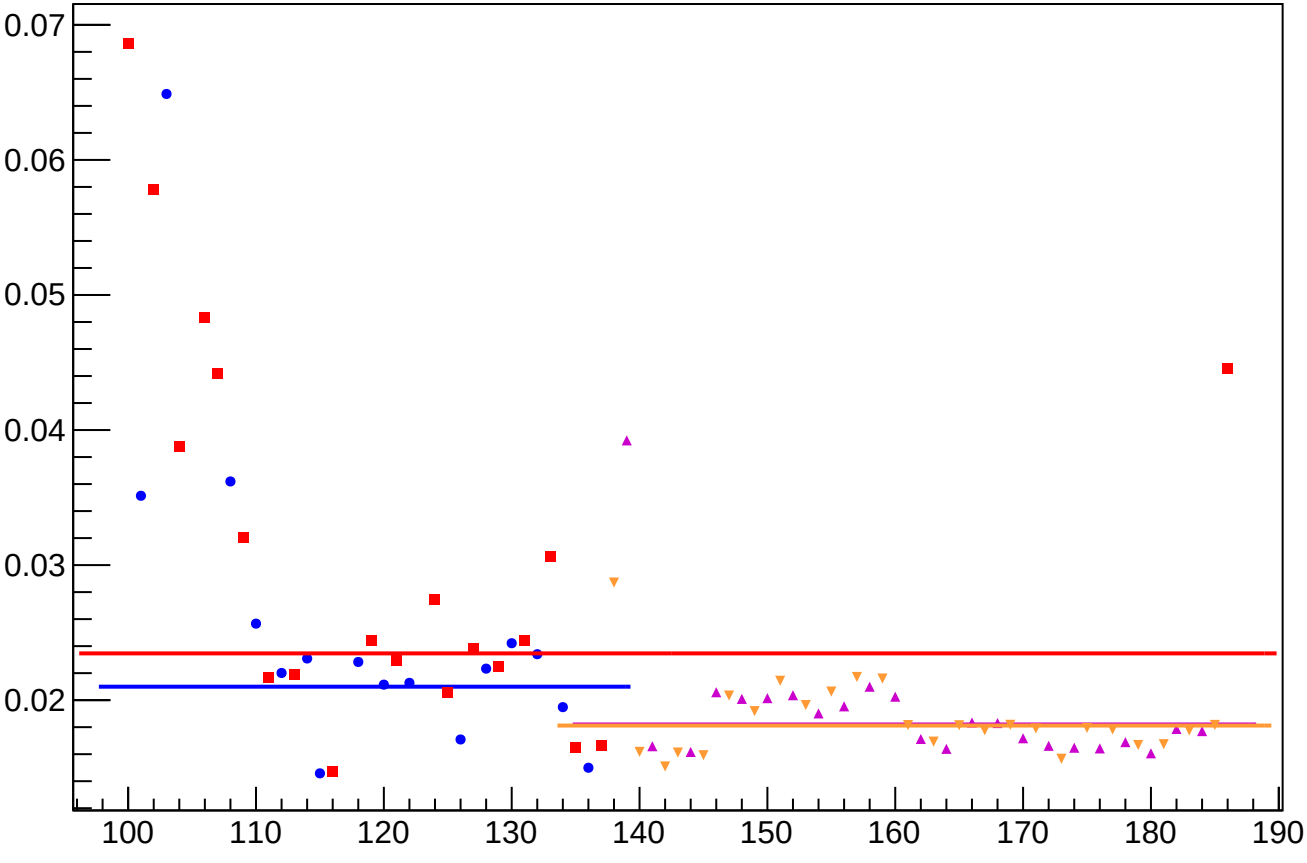
Right: -0.960+/-0.000 χ^2/NDF: 1415951740.9/35

In: -1.093+/-0.000 χ^2/NDF:1267163282.9/38

Out: -1.100+/-0.000 χ^2/NDF:1172289818.2/44

All: -1.097+/-0.000 χ^2/NDF: 2440862533.4/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF: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

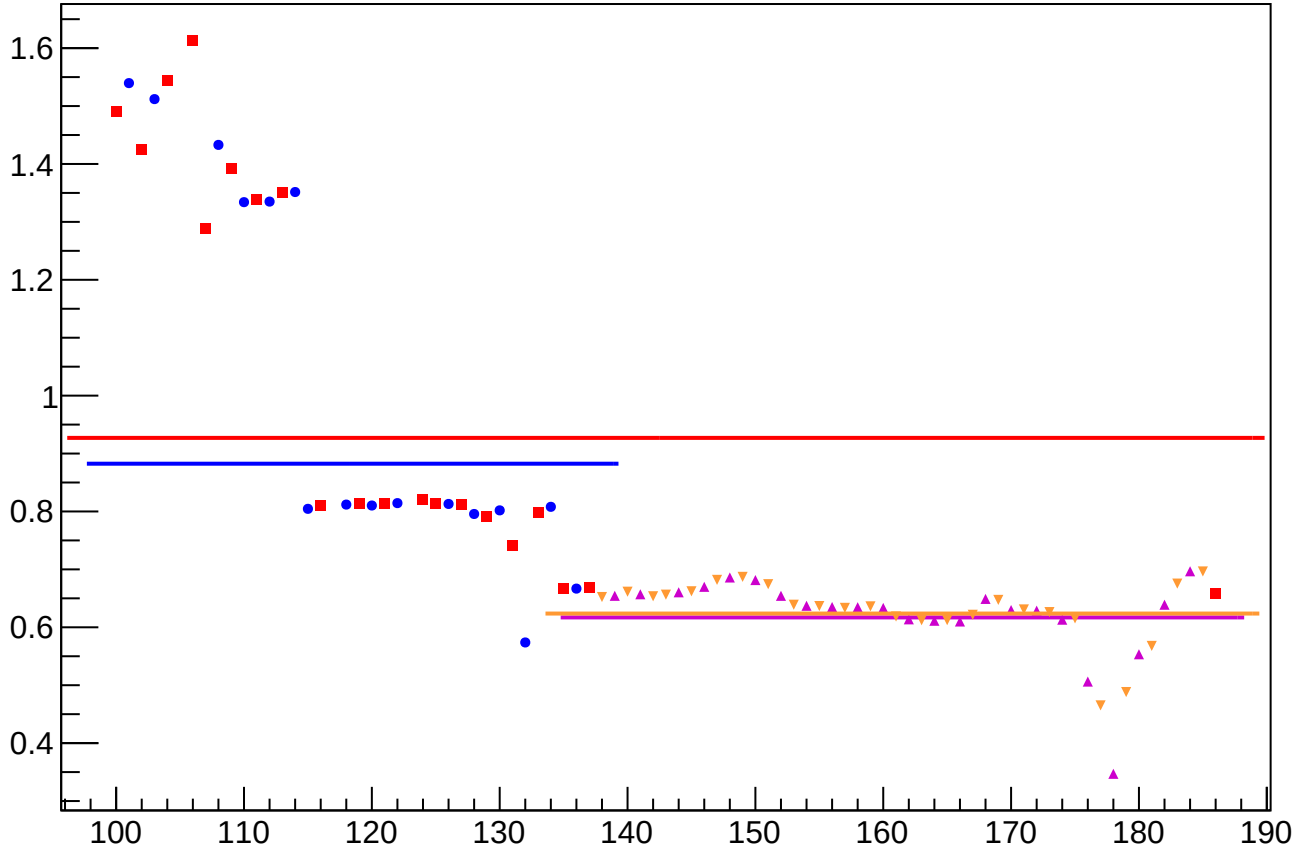
Right: 0.022+/-0.000 χ^2/NDF: 2689694.9/35

In: 0.019+/-0.000 χ^2/NDF:2040047.6/38

Out: 0.019+/-0.000 χ^2/NDF:2423780.7/44

All: 0.019+/-0.000 χ^2/NDF: 4468782.7/83

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

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

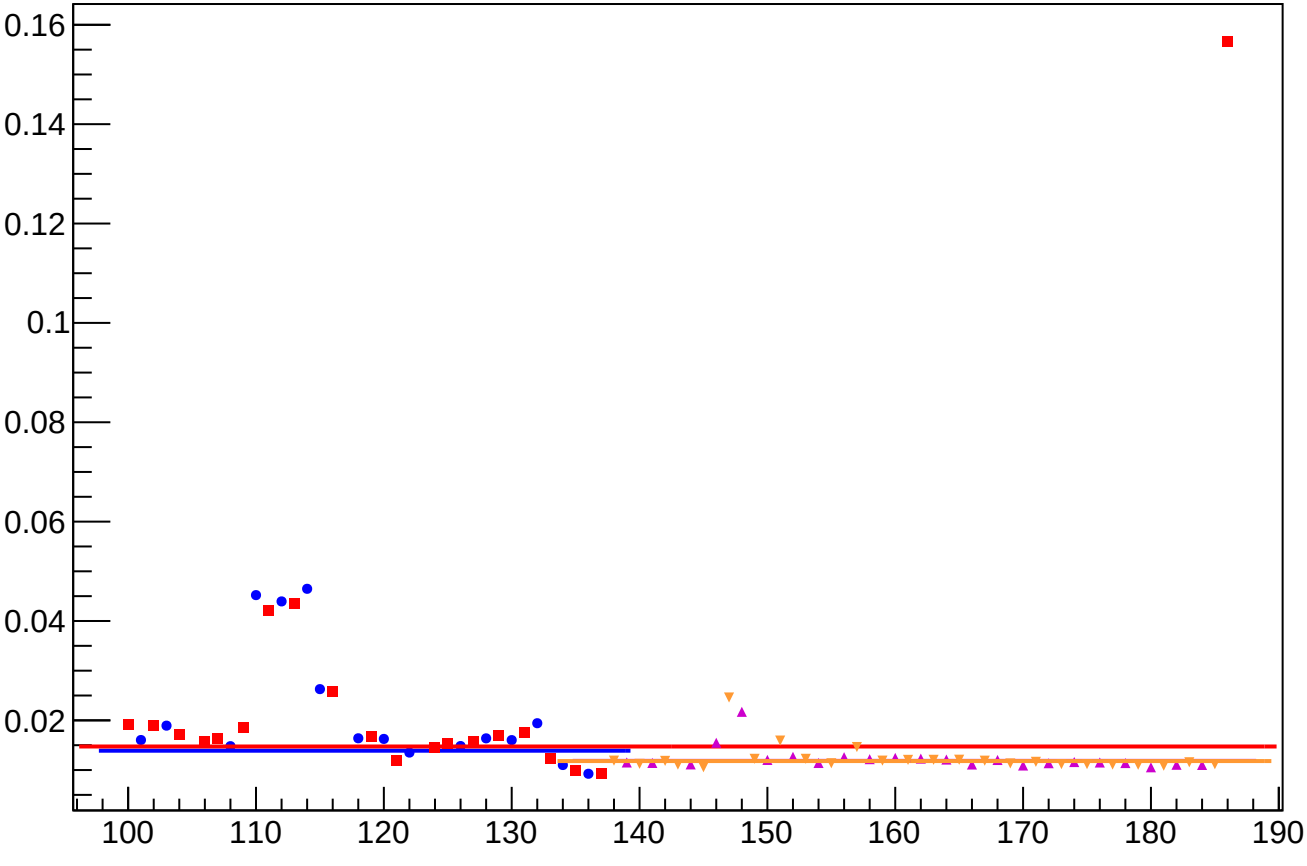
Right: 0.904+/-0.000 χ^2/NDF: 5577860458.1/35

In: 0.669+/-0.000 χ^2/NDF:5167593878.3/38

Out: 0.678+/-0.000 χ^2/NDF:5346403033.6/44

All: 0.674+/-0.000 χ^2/NDF: 10519848991.7/8

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF: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

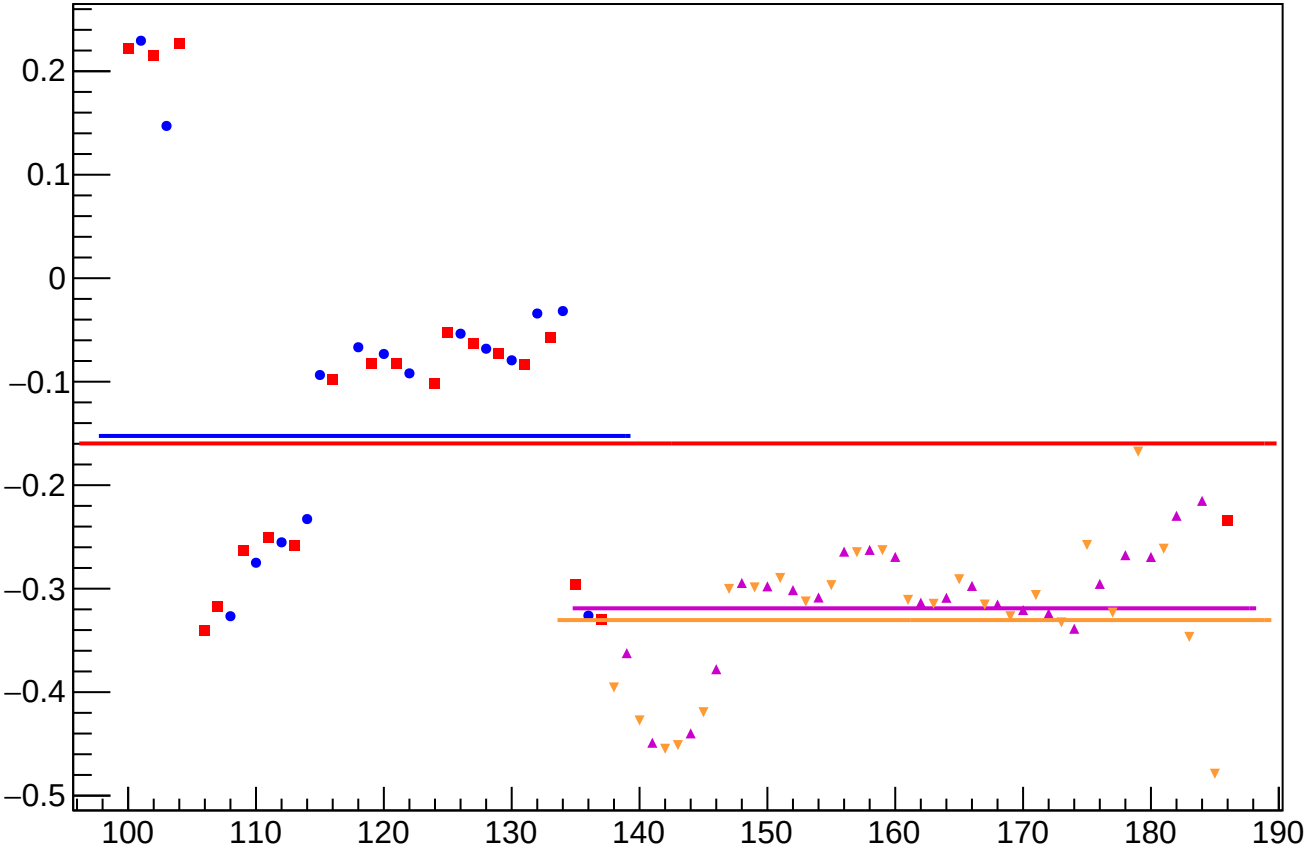
Right: 0.014+/-0.000 χ^2/NDF: 3763455.2/35

In: 0.012+/-0.000 χ^2/NDF:2362166.3/38

Out: 0.012+/-0.000 χ^2/NDF:3177051.3/44

All: 0.012+/-0.000 χ^2/NDF: 5540305.8/83

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

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

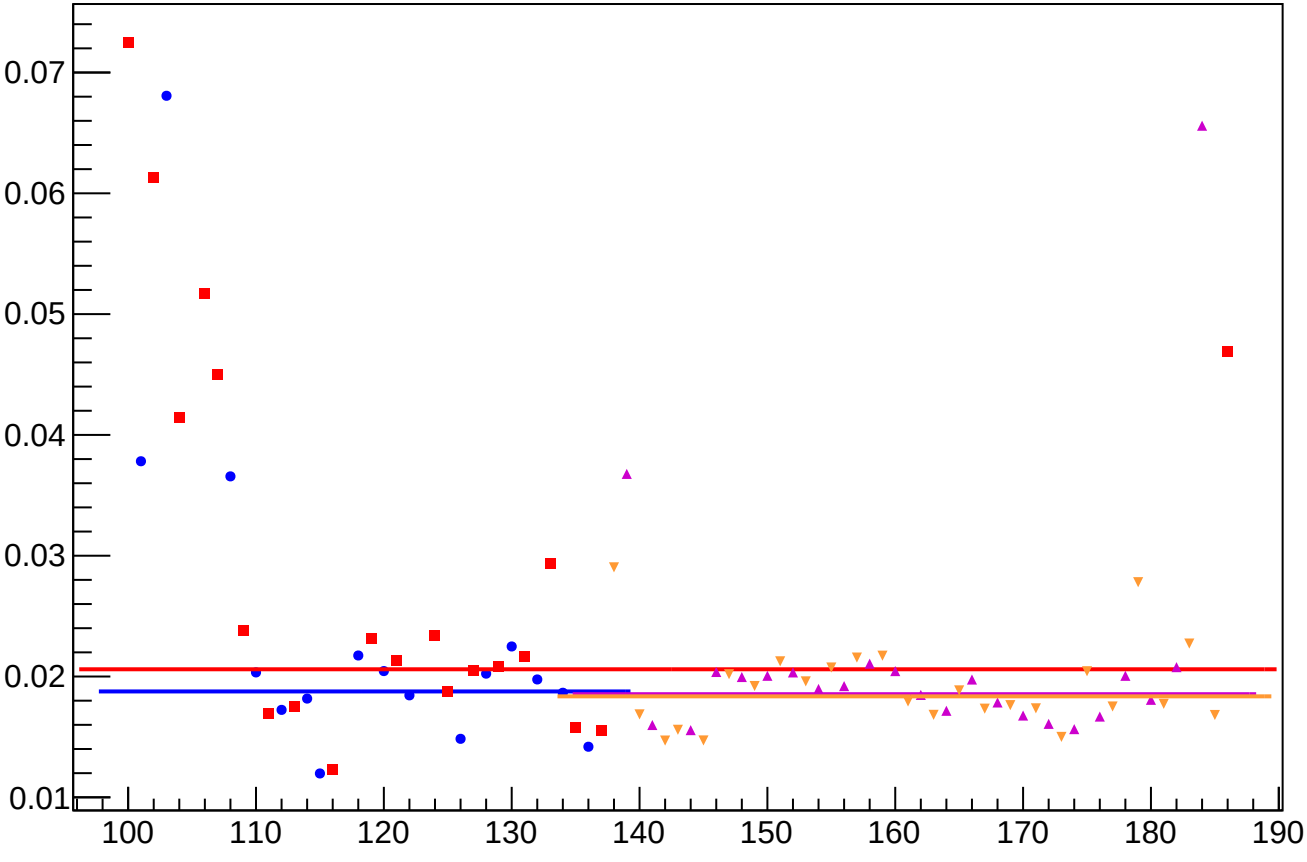
Right: -0.156+/-0.000 χ^2/NDF: 471213096.7/35

In: -0.275+/-0.000 χ^2/NDF:712105165.5/38

Out: -0.292+/-0.000 χ^2/NDF:681793603.5/44

All: -0.284+/-0.000 χ^2/NDF: 1401436547.4/8

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

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

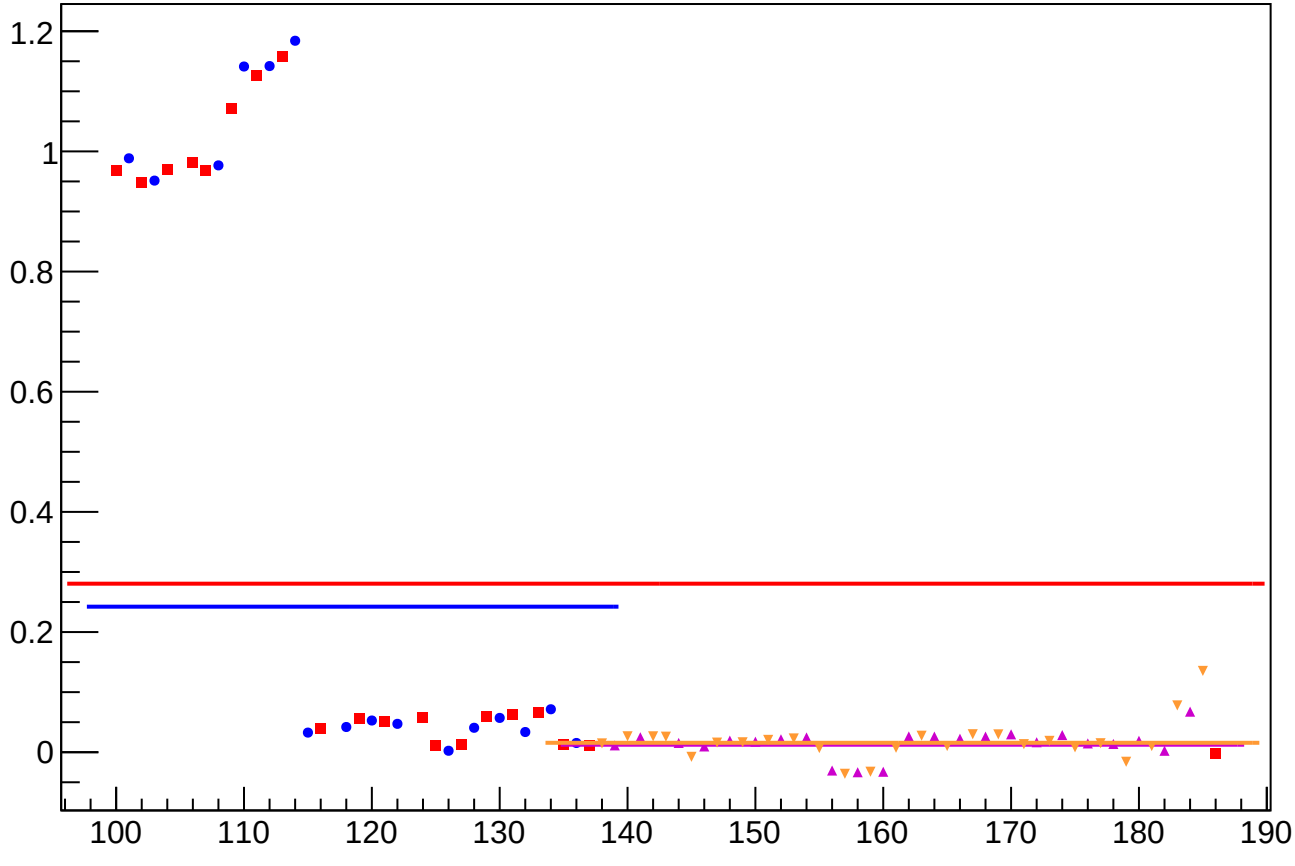
Right: 0.020+/-0.000 χ^2/NDF: 3168655.7/35

In: 0.019+/-0.000 χ^2/NDF:2284375.0/38

Out: 0.019+/-0.000 χ^2/NDF:2613283.3/44

All: 0.019+/-0.000 χ^2/NDF: 4901968.9/83

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.016+/-0.000 χ^2/NDF: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

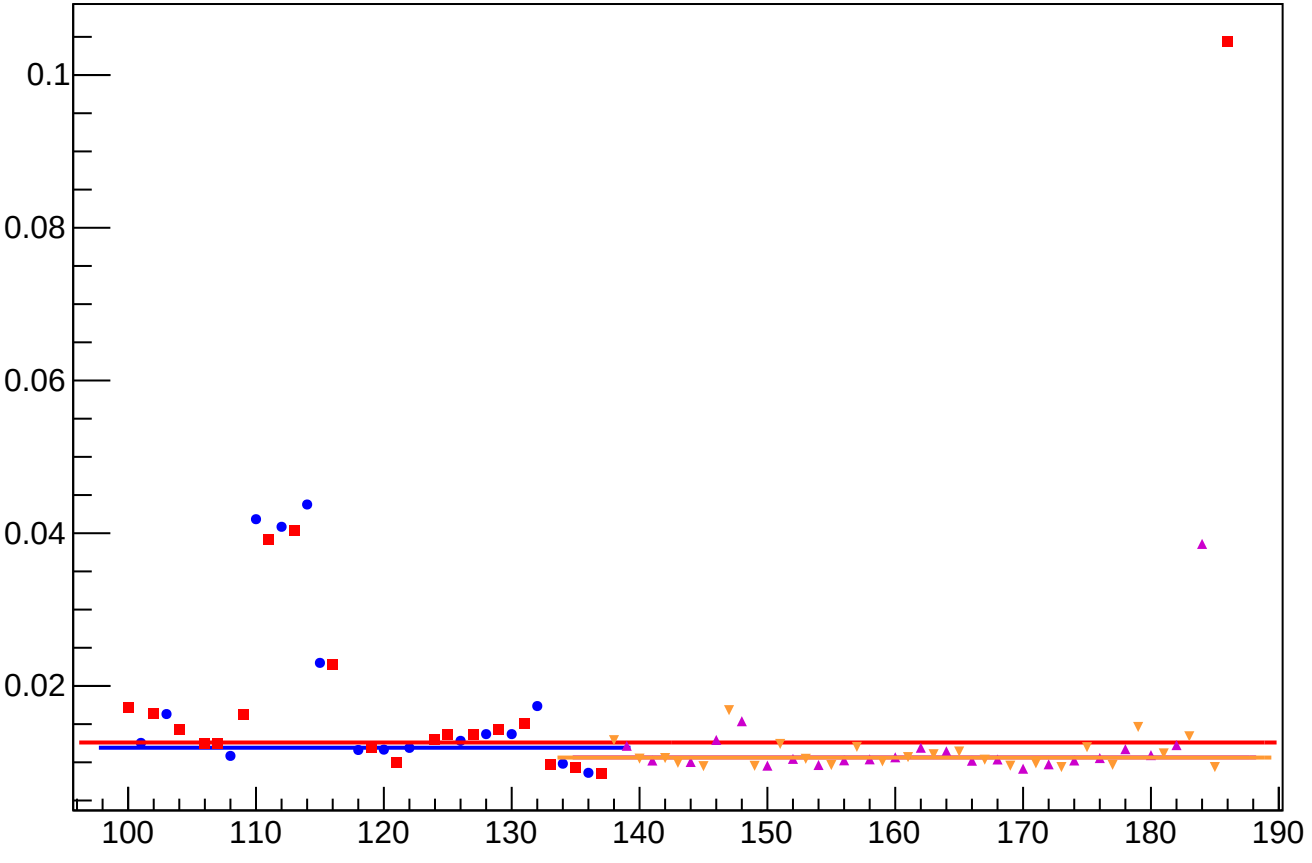
Right: 0.261+/-0.000 χ^2/NDF: 13297621904.0/35

In: 0.063+/-0.000 χ^2/NDF:8302236646.4/38

Out: 0.068+/-0.000 χ^2/NDF:9067930204.1/44

All: 0.066+/-0.000 χ^2/NDF: 17373139102.3/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF: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

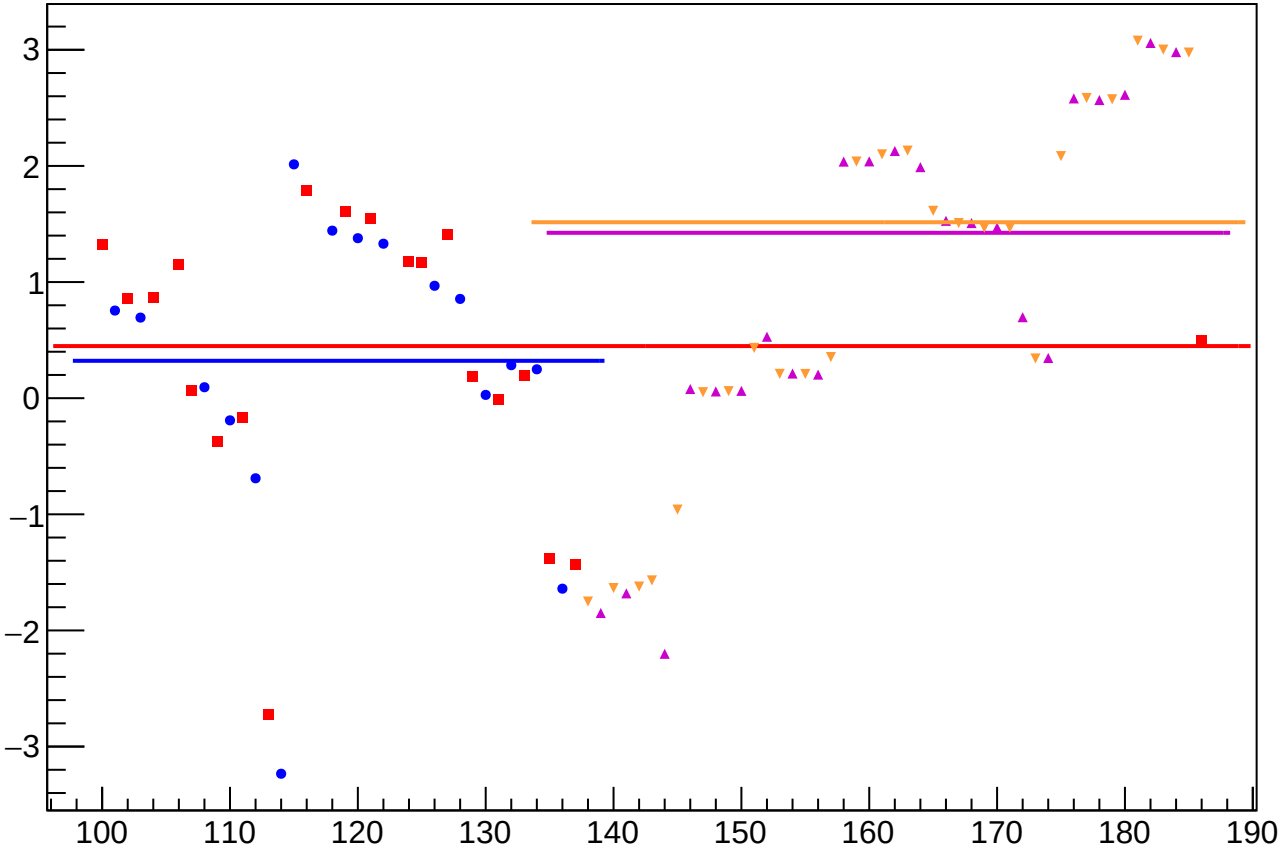
Right: 0.012+/-0.000 χ^2/NDF: 3463035.7/35

In: 0.011+/-0.000 χ^2/NDF:2137111.5/38

Out: 0.011+/-0.000 χ^2/NDF:2851173.0/44

All: 0.011+/-0.000 χ^2/NDF: 4990026.3/83

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.449+/-0.000 χ^2/NDF: 1797410686.4/19

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

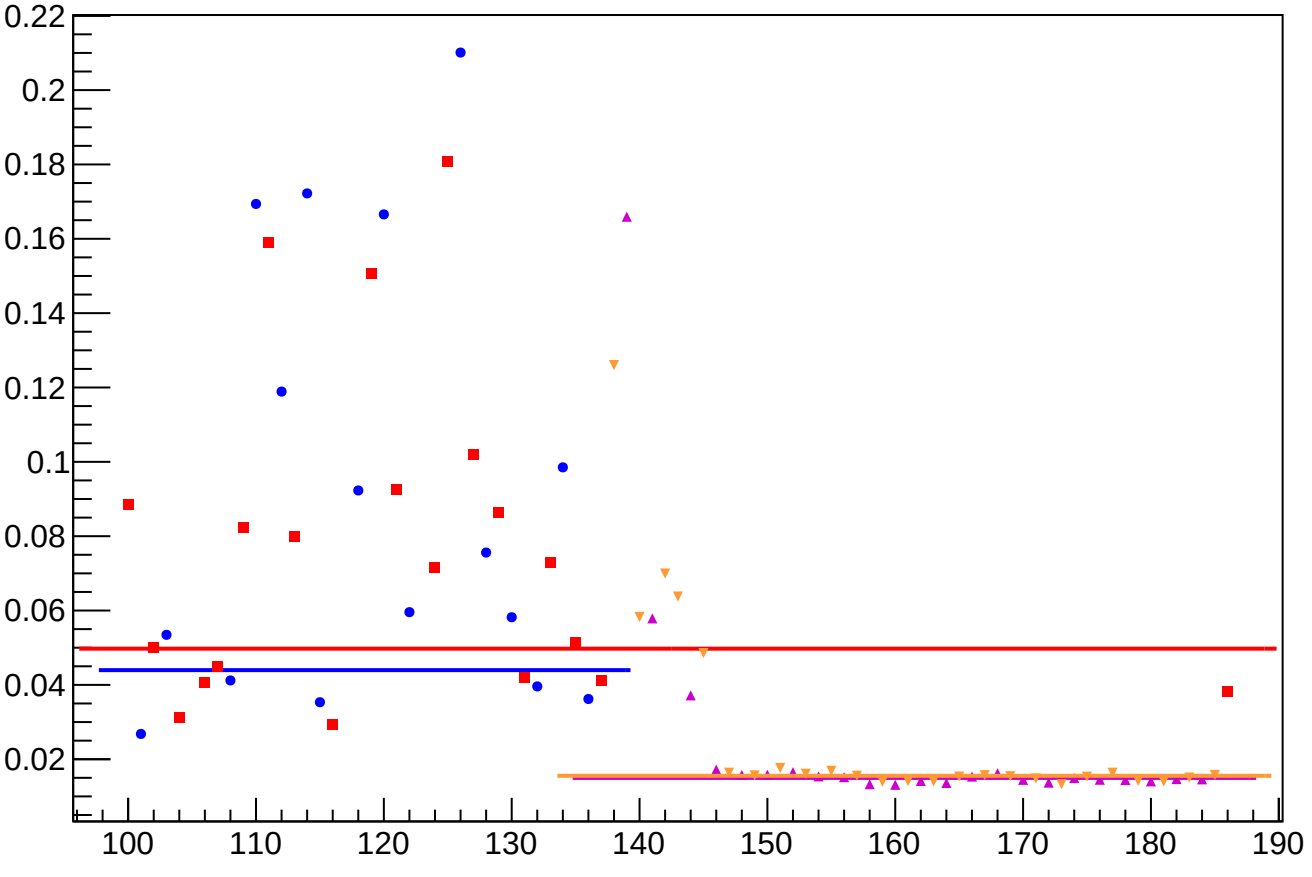
Right: 0.384+/-0.000 χ^2/NDF: 3477979212.3/35

In: 1.390+/-0.000 χ^2/NDF:72047468670.6/38

Out: 1.483+/-0.000 χ^2/NDF:71678864856.9/44

All: 1.436+/-0.000 χ^2/NDF: 143998971005.4

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

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

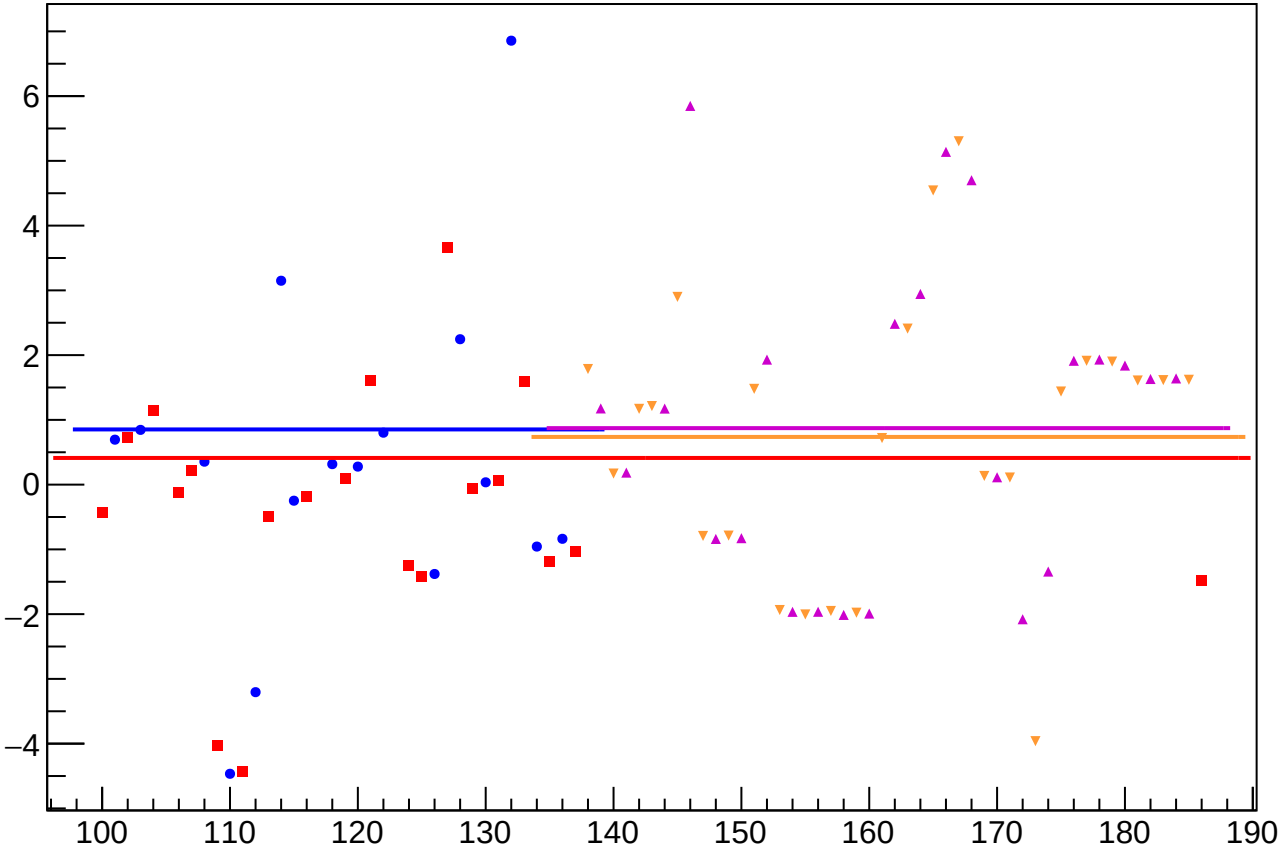
Right: 0.047+/-0.000 χ^2/NDF: 5296370.0/35

In: 0.016+/-0.000 χ^2/NDF:8204402.1/38

Out: 0.017+/-0.000 χ^2/NDF:9731769.0/44

All: 0.016+/-0.000 χ^2/NDF: 17968122.1/83

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

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

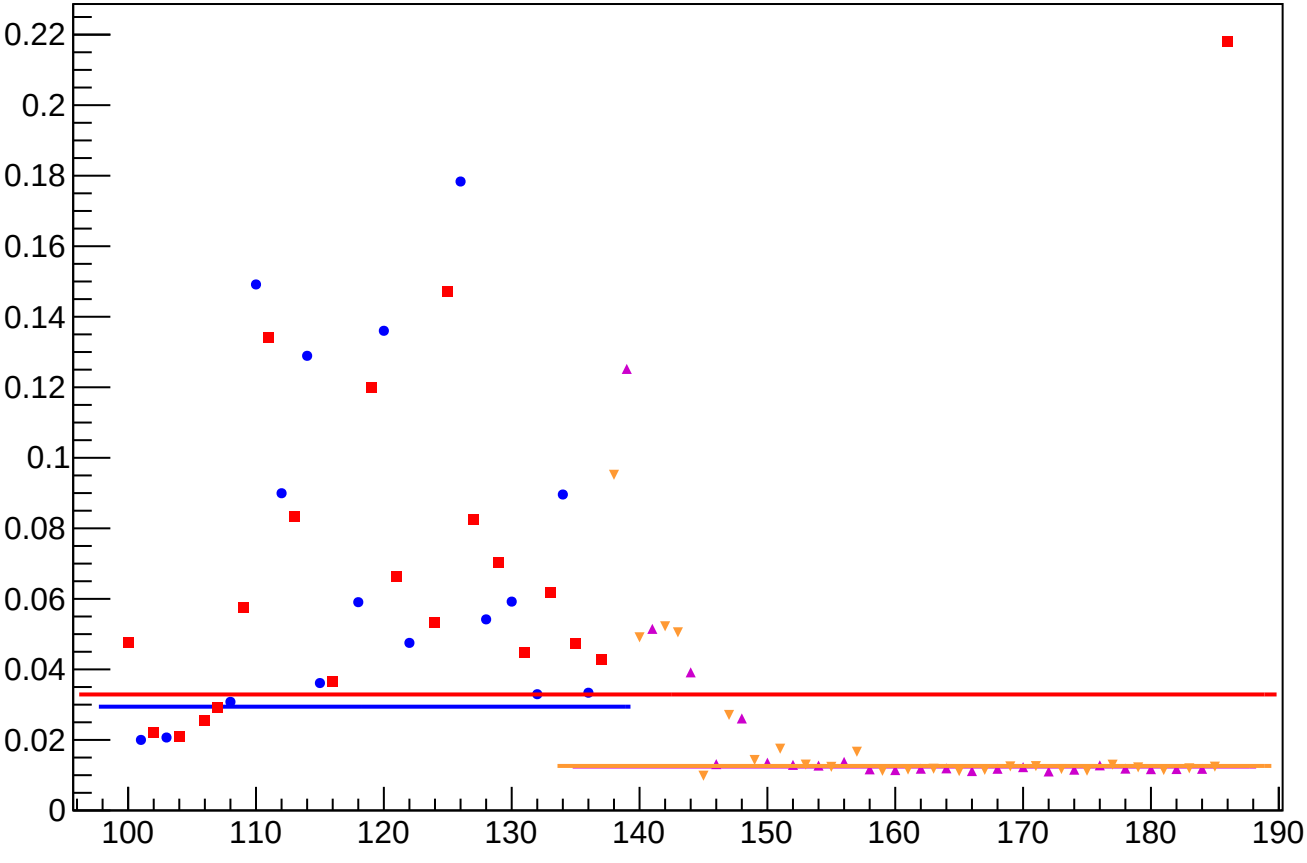
Right: 0.642+/-0.000 χ^2/NDF: 17122074719.4/35

In: 0.872+/-0.000 χ^2/NDF:631738992878.0/38

Out: 0.724+/-0.000 χ^2/NDF:541509358530.1/44

All: 0.798+/-0.000 χ^2/NDF: 1174369462047.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

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

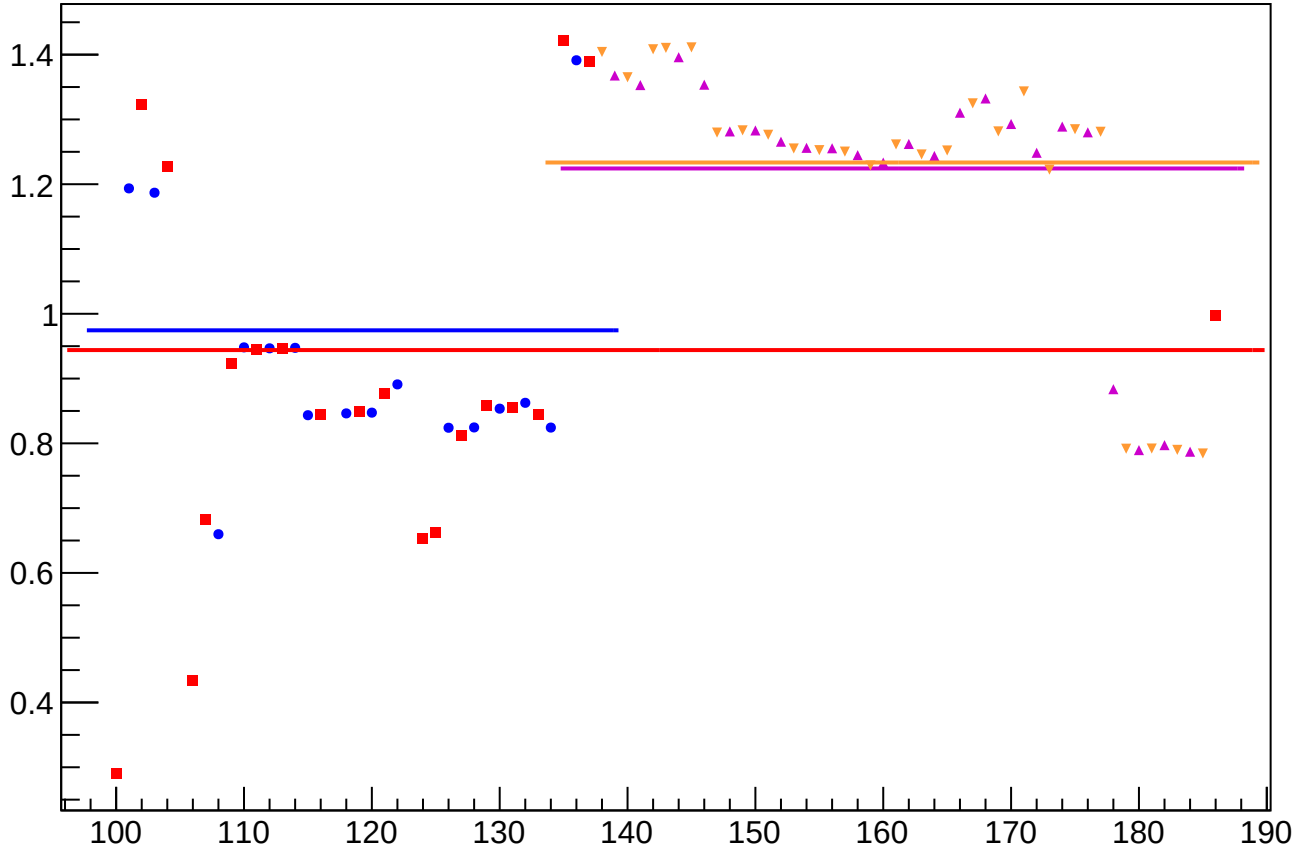
Right: 0.031+/-0.000 χ^2/NDF: 7101694.5/35

In: 0.013+/-0.000 χ^2/NDF:8301505.0/38

Out: 0.013+/-0.000 χ^2/NDF:10142594.9/44

All: 0.013+/-0.000 χ^2/NDF: 18449787.8/83

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

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

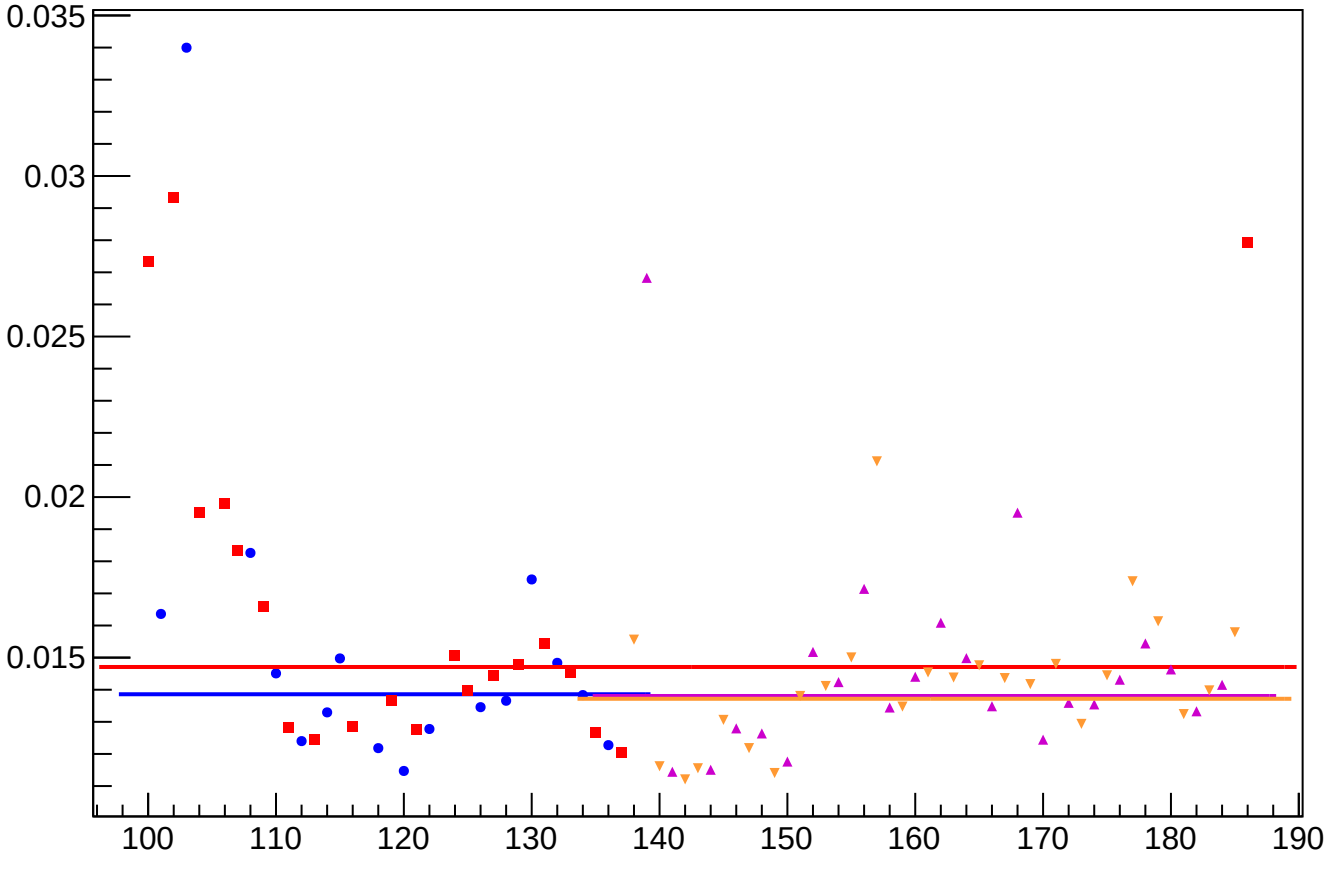
Right: 0.960+/-0.000 χ^2/NDF: 3145468408.7/35

In: 1.156+/-0.000 χ^2/NDF:5576471226.7/38

Out: 1.159+/-0.000 χ^2/NDF:6650853258.8/44

All: 1.157+/-0.000 χ^2/NDF: 12228214103.1/8

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

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

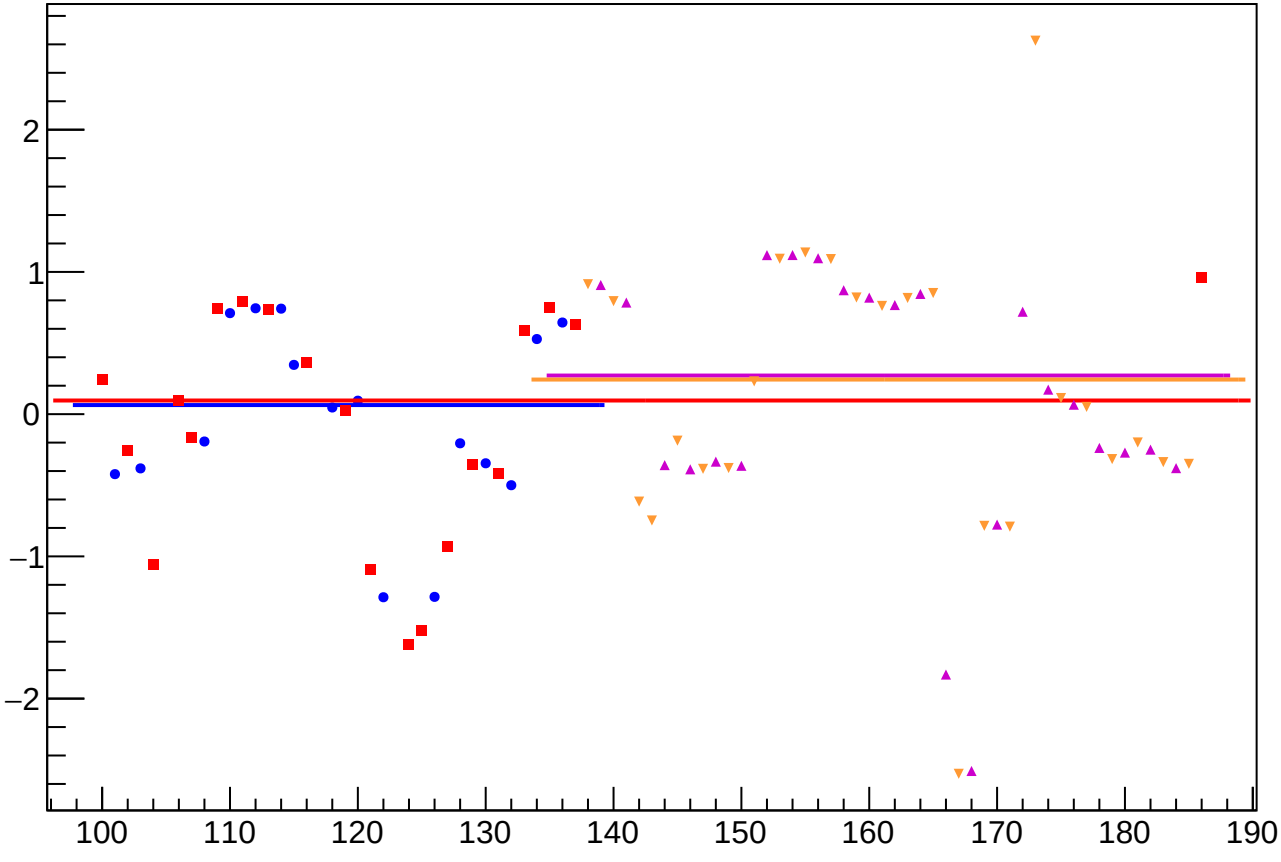
Right: 0.014+/-0.000 χ^2/NDF: 1343802.5/35

In: 0.014+/-0.000 χ^2/NDF:1470222.2/38

Out: 0.014+/-0.000 χ^2/NDF:1317037.0/44

All: 0.014+/-0.000 χ^2/NDF: 2790009.1/83

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

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

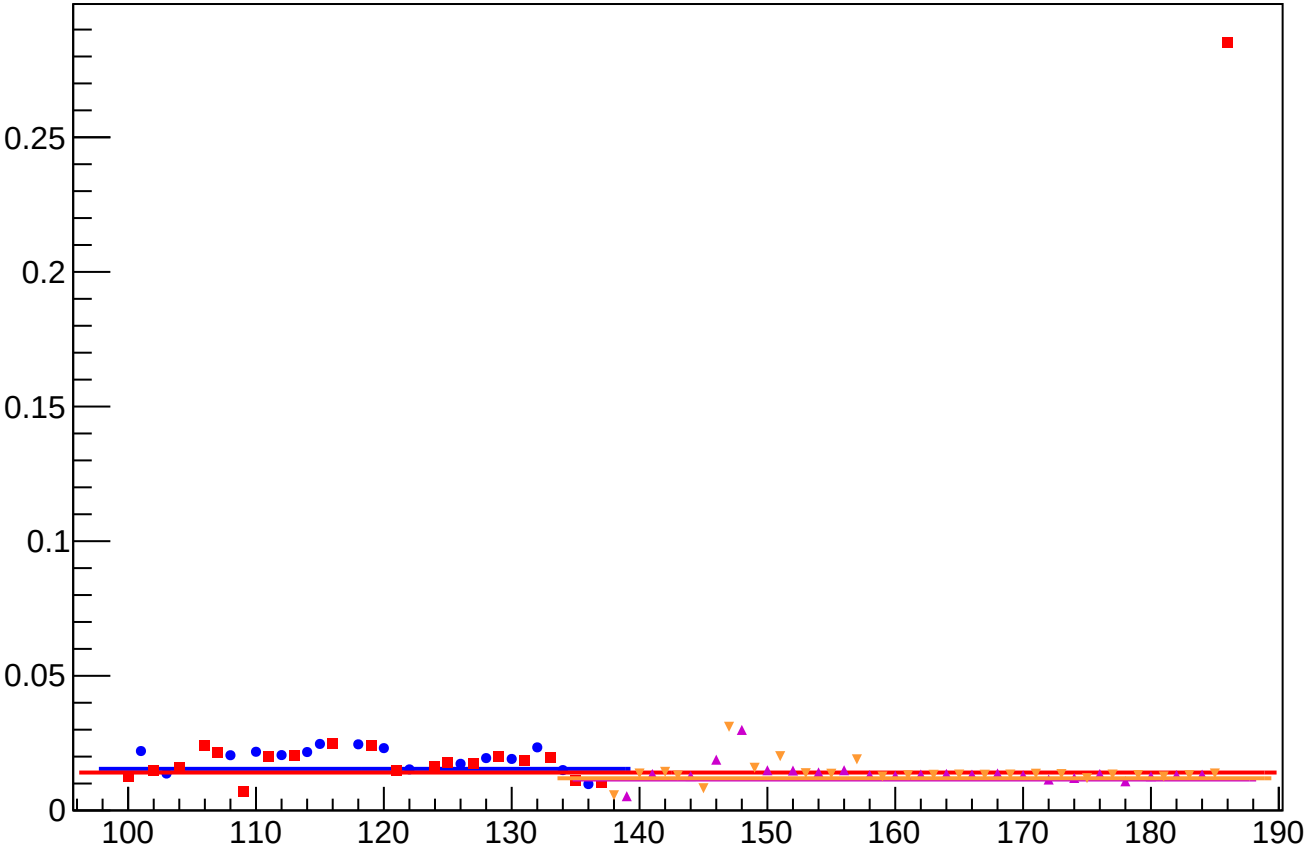
Right: 0.081+/-0.000 χ^2/NDF: 28838314930.2/35

In: 0.235+/-0.000 χ^2/NDF:102429655368.3/38

Out: 0.213+/-0.000 χ^2/NDF:123896312013.2/44

All: 0.224+/-0.000 χ^2/NDF: 226359303900.8

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

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

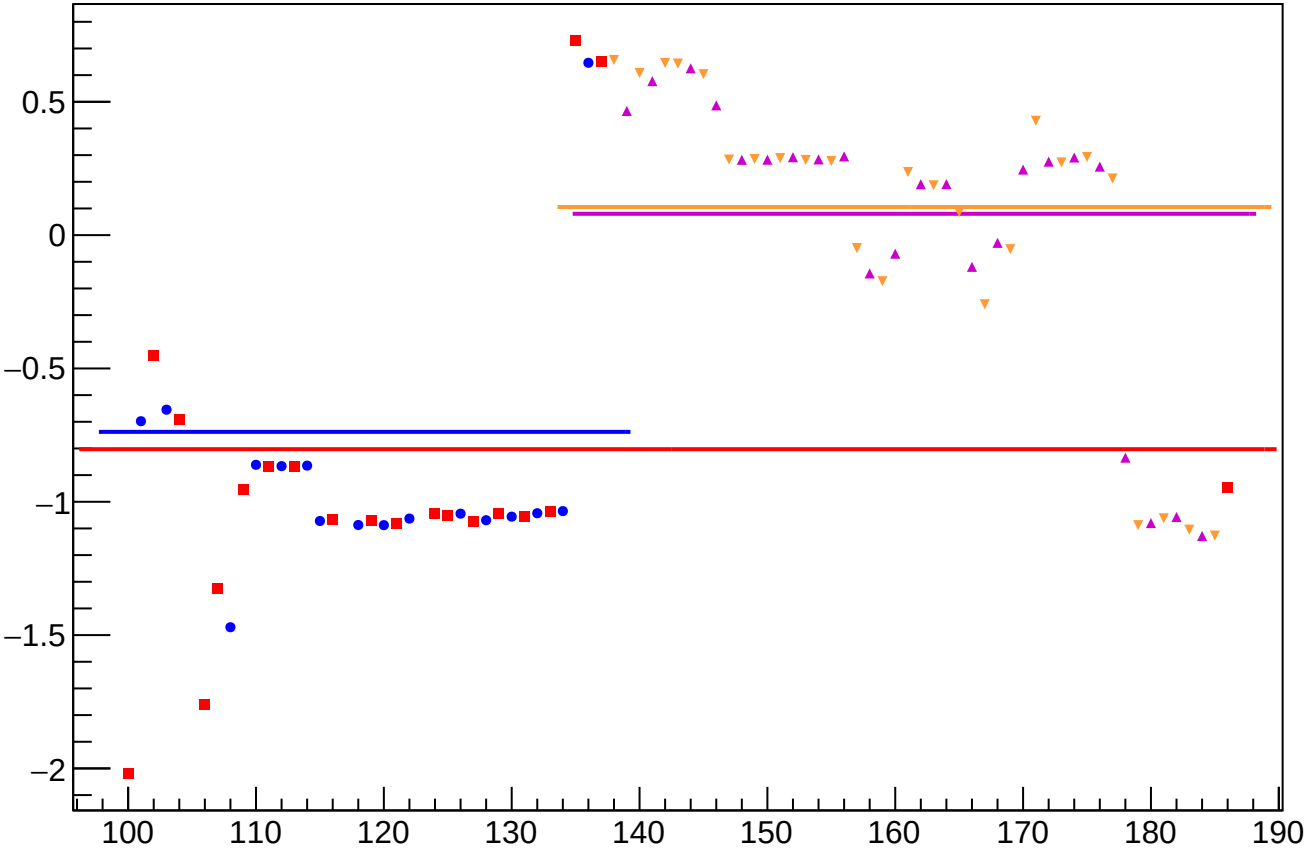
Right: 0.015+/-0.000 χ^2/NDF: 3715590.6/35

In: 0.012+/-0.000 χ^2/NDF:5616199.6/38

Out: 0.012+/-0.000 χ^2/NDF:5852723.4/44

All: 0.012+/-0.000 χ^2/NDF: 11474454.7/83

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

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

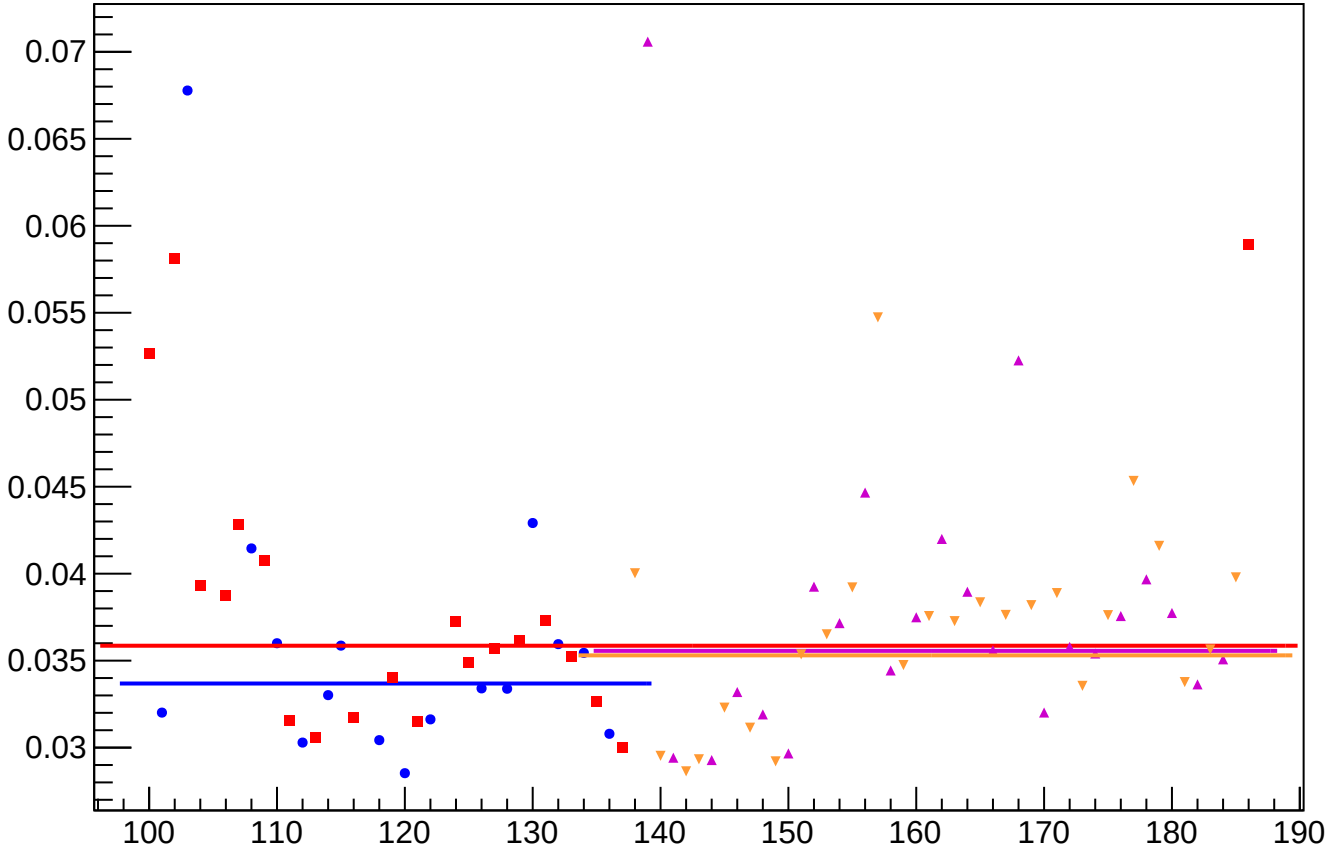
Right: -0.769+/-0.000 χ^2/NDF: 3970538694.6/35

In: -0.169+/-0.000 χ^2/NDF:7928257130.3/38

Out: -0.150+/-0.000 χ^2/NDF:8804339901.9/44

All: -0.159+/-0.000 χ^2/NDF: 16735732635.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

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

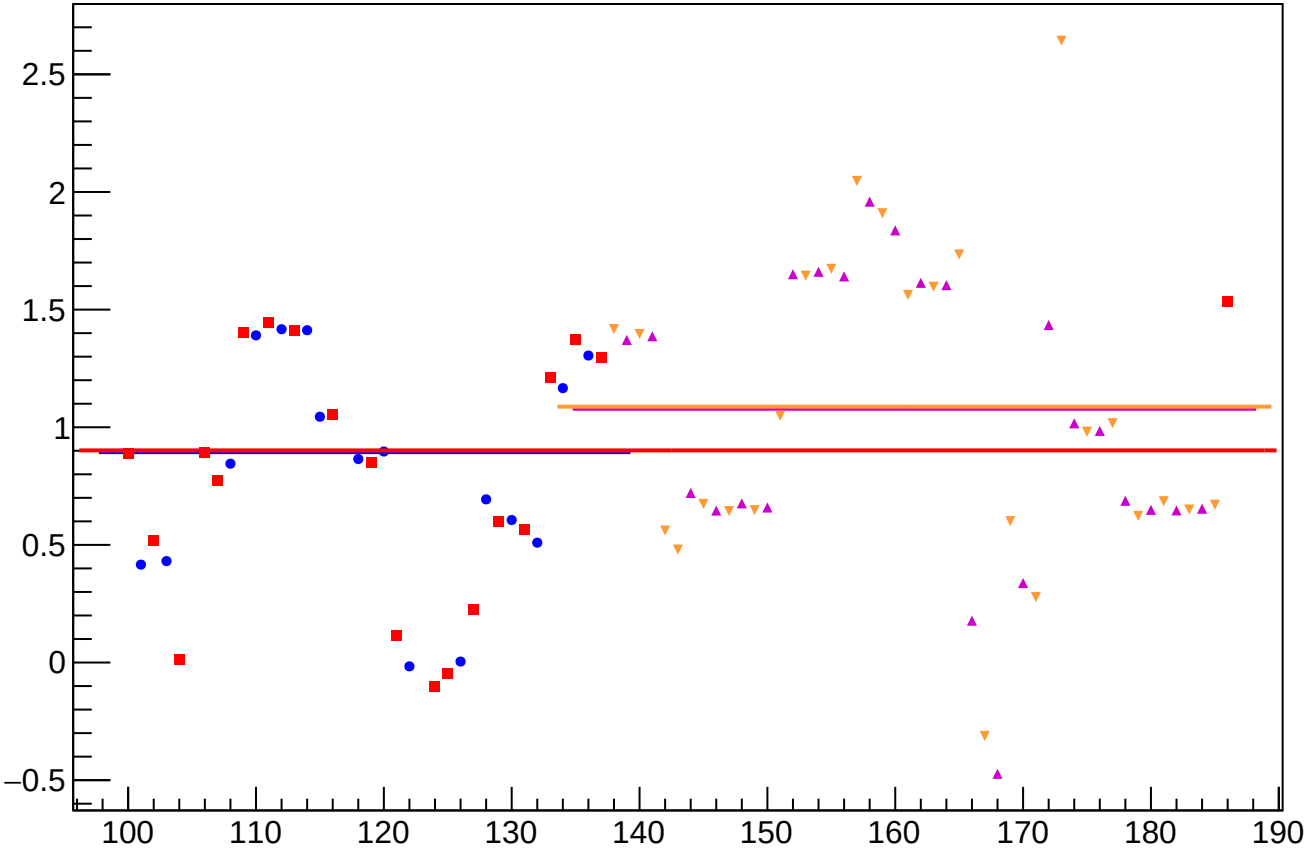
Right: 0.035+/-0.000 χ^2/NDF: 862919.2/35

In: 0.035+/-0.000 χ^2/NDF:1407881.7/38

Out: 0.035+/-0.000 χ^2/NDF:1032090.4/44

All: 0.035+/-0.000 χ^2/NDF: 2444015.2/83

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

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

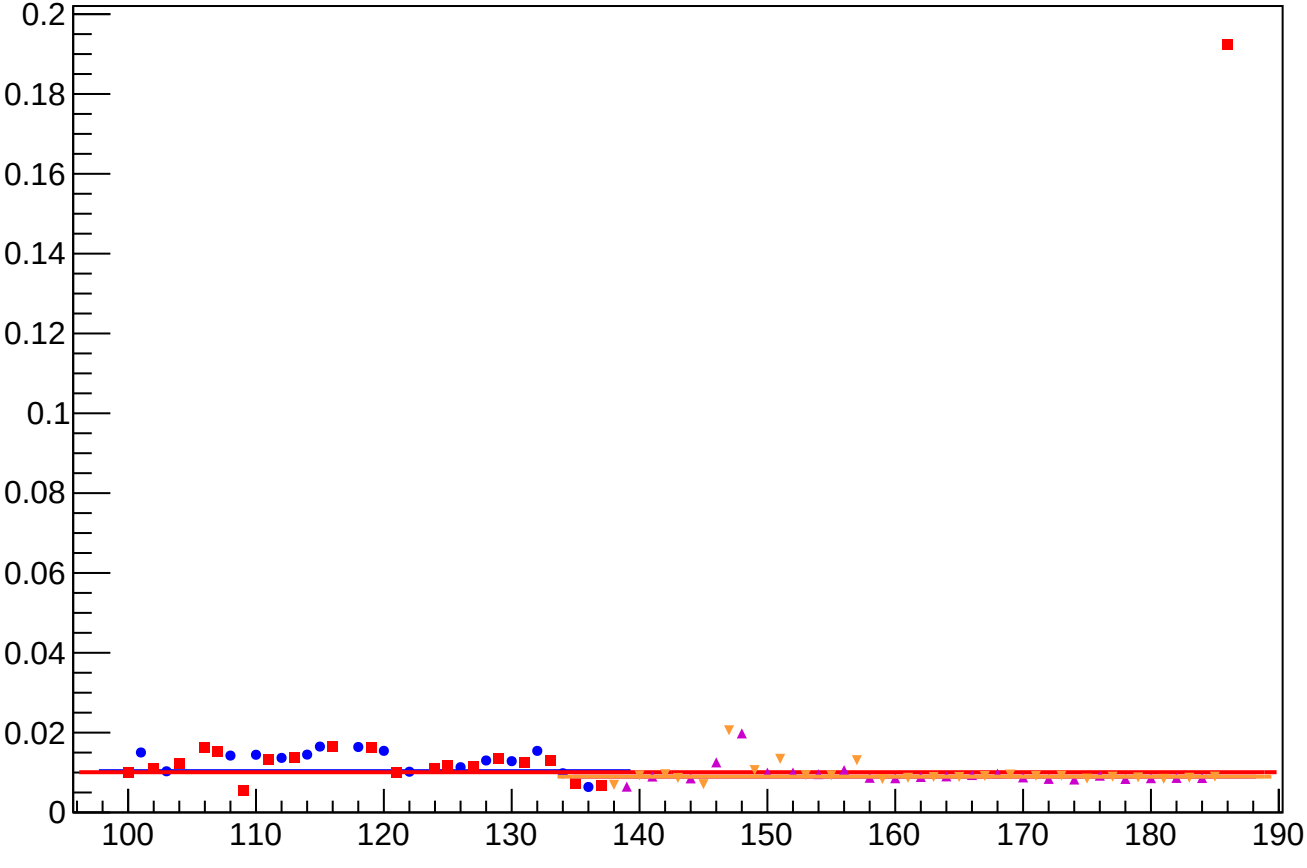
Right: 0.898+/-0.000 χ^2/NDF: 30648426766.1/35

In: 1.040+/-0.000 χ^2/NDF:88331900463.6/38

Out: 1.048+/-0.000 χ^2/NDF:113392402534.9/44

All: 1.044+/-0.000 χ^2/NDF: 201733139780.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1350446.6/15

Left Out: 0.009+/-0.000 χ^2/NDF: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

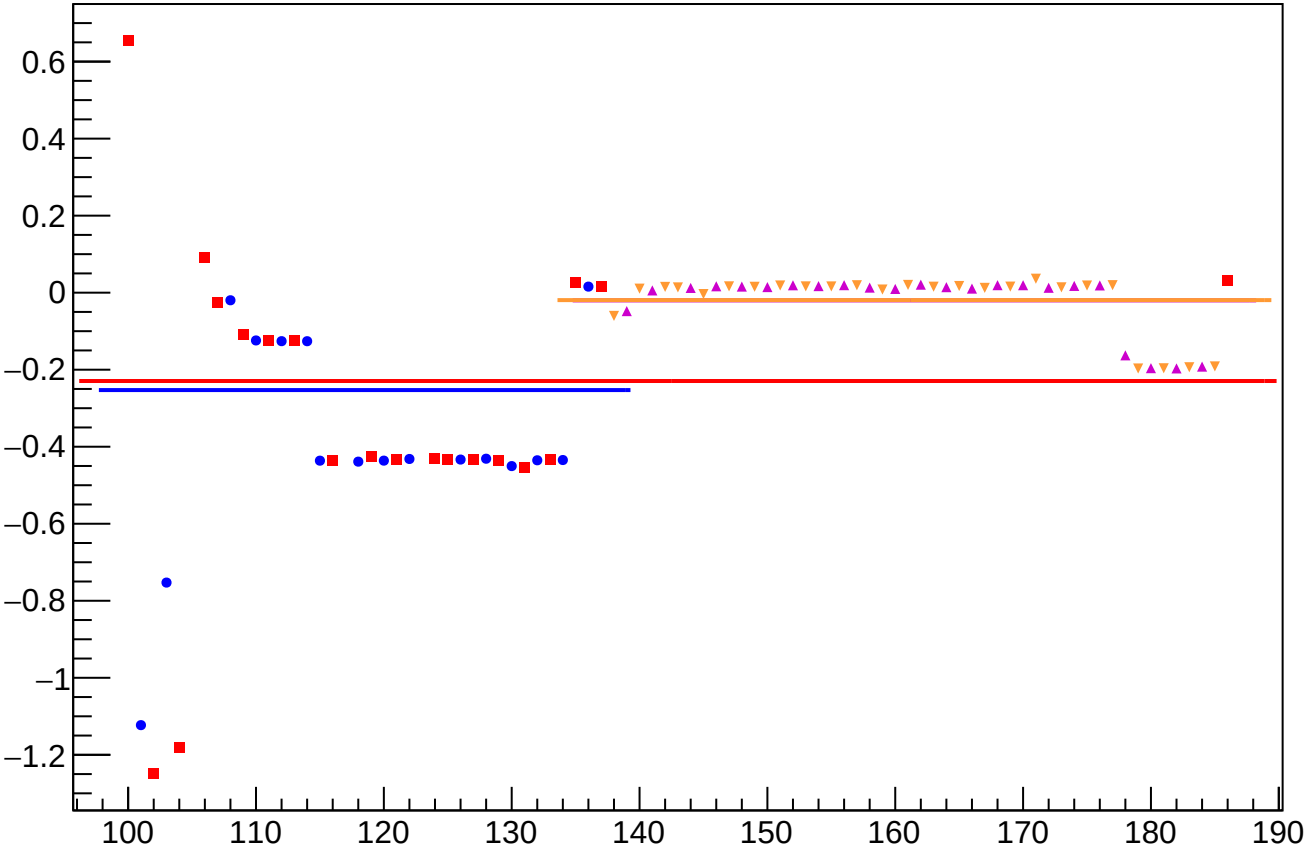
Right: 0.010+/-0.000 χ^2/NDF: 3370568.3/35

In: 0.009+/-0.000 χ^2/NDF:2488630.5/38

Out: 0.009+/-0.000 χ^2/NDF:3279402.8/44

All: 0.009+/-0.000 χ^2/NDF: 5768285.7/83

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

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

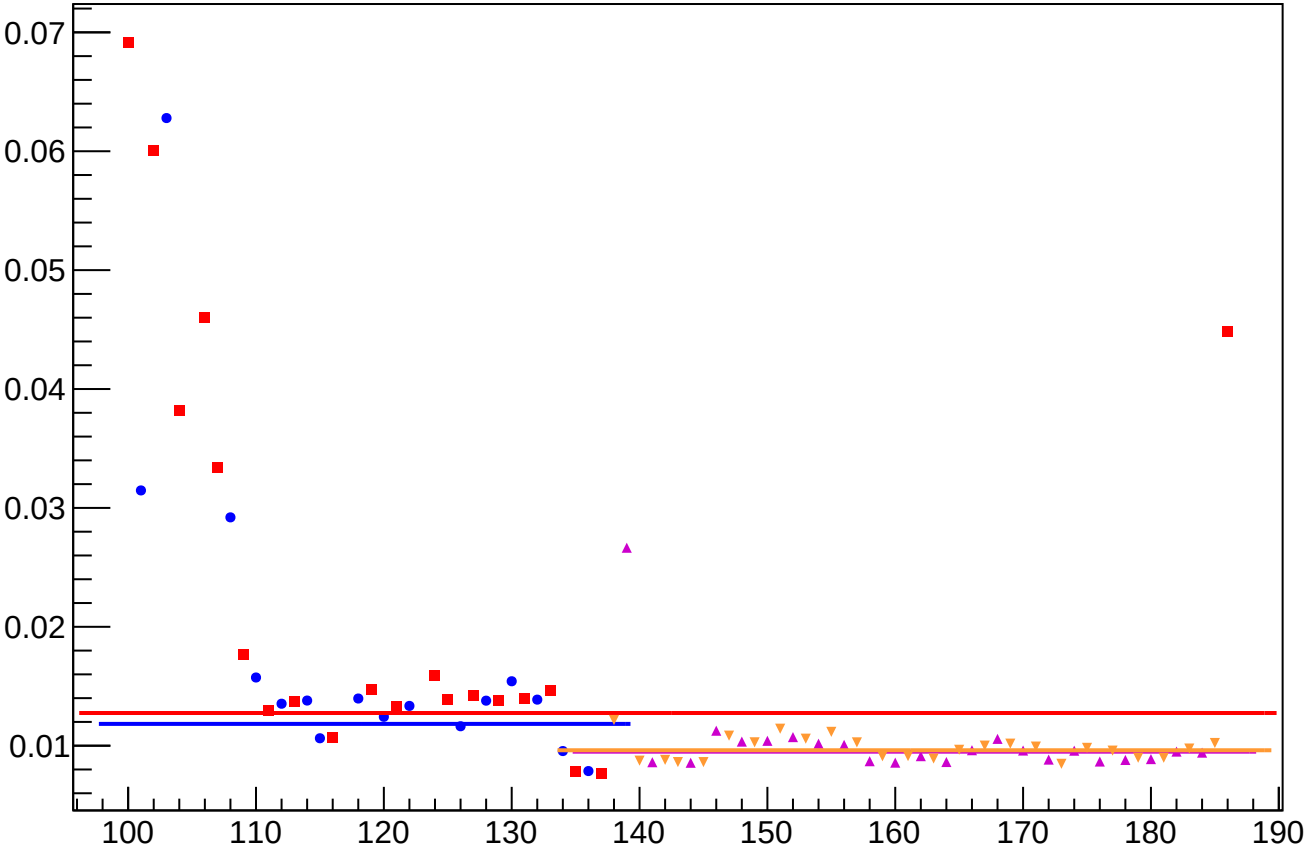
Right: -0.242+/-0.000 χ^2/NDF: 3856227326.9/35

In: -0.061+/-0.000 χ^2/NDF:4600215586.9/38

Out: -0.051+/-0.000 χ^2/NDF:4074399595.0/44

All: -0.056+/-0.000 χ^2/NDF: 8683327513.0/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF: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

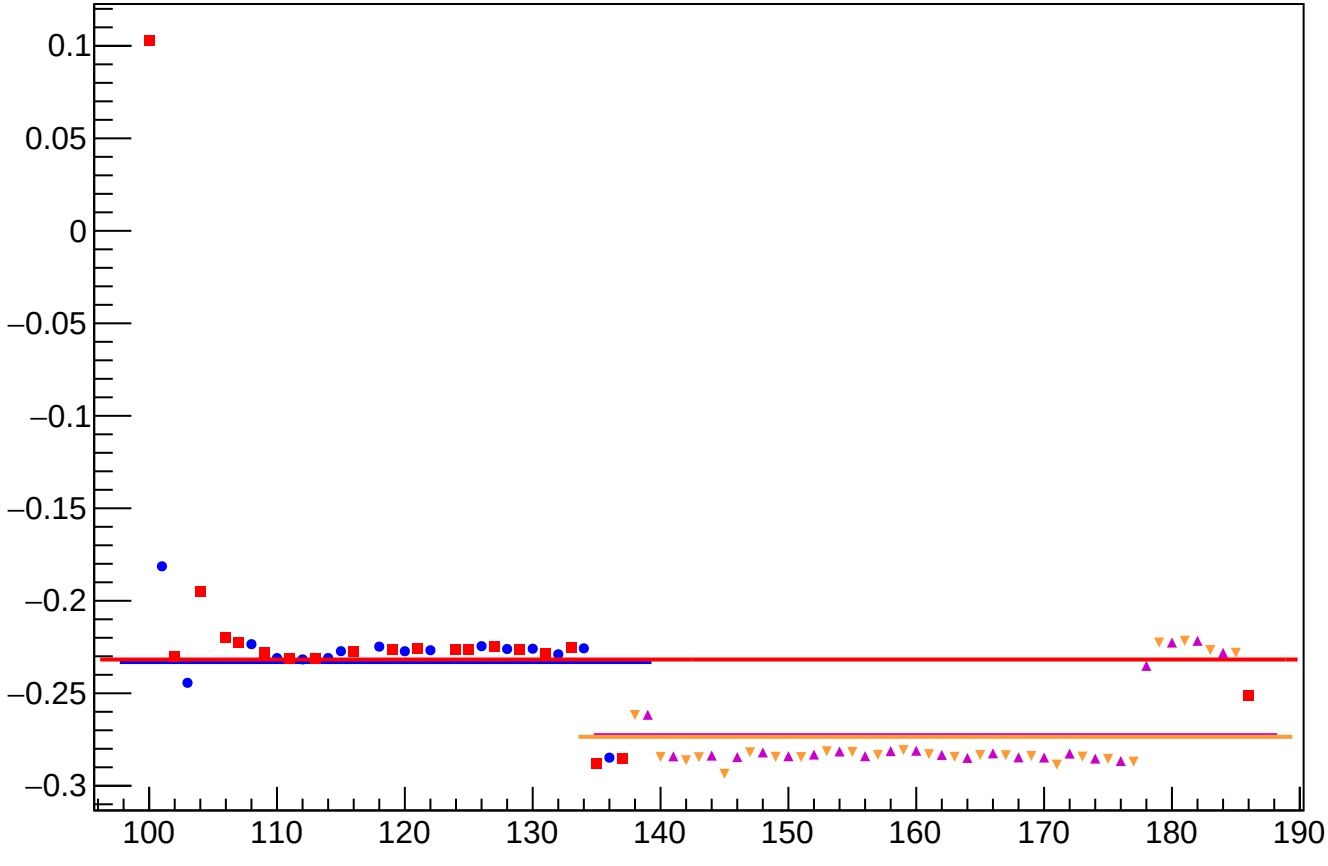
Right: 0.012+/-0.000 χ^2/NDF: 4577926.3/35

In: 0.010+/-0.000 χ^2/NDF:3163246.8/38

Out: 0.010+/-0.000 χ^2/NDF:3410749.4/44

All: 0.010+/-0.000 χ^2/NDF: 6581476.7/83

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

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

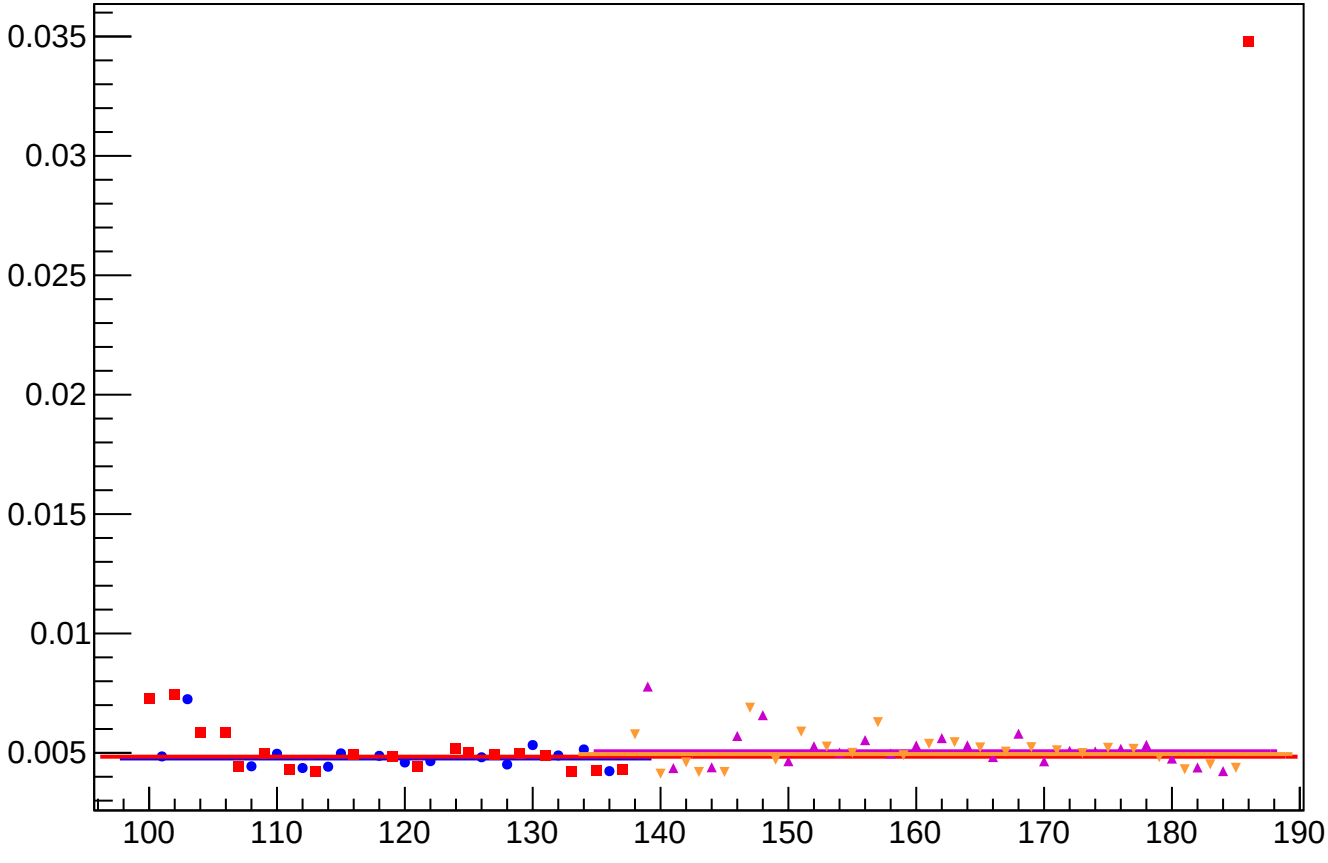
Right: -0.232+/-0.000 χ^2/NDF: 486690882.4/35

In: -0.261+/-0.000 χ^2/NDF:844940822.4/38

Out: -0.262+/-0.000 χ^2/NDF:1046761476.5/44

All: -0.261+/-0.000 χ^2/NDF: 1892074507.5/8

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF: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

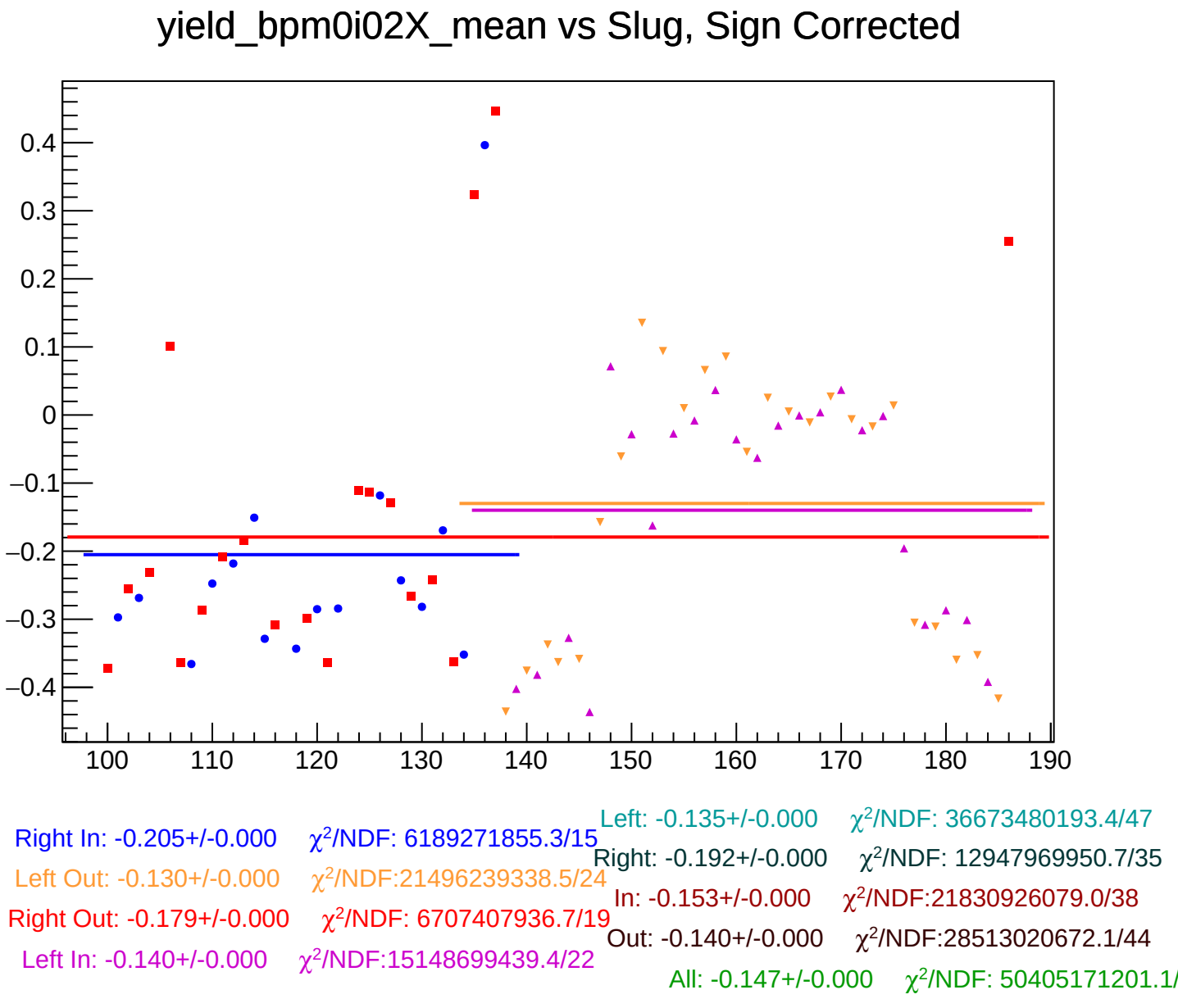
Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

Right: 0.005+/-0.000 χ^2/NDF: 1055300.6/35

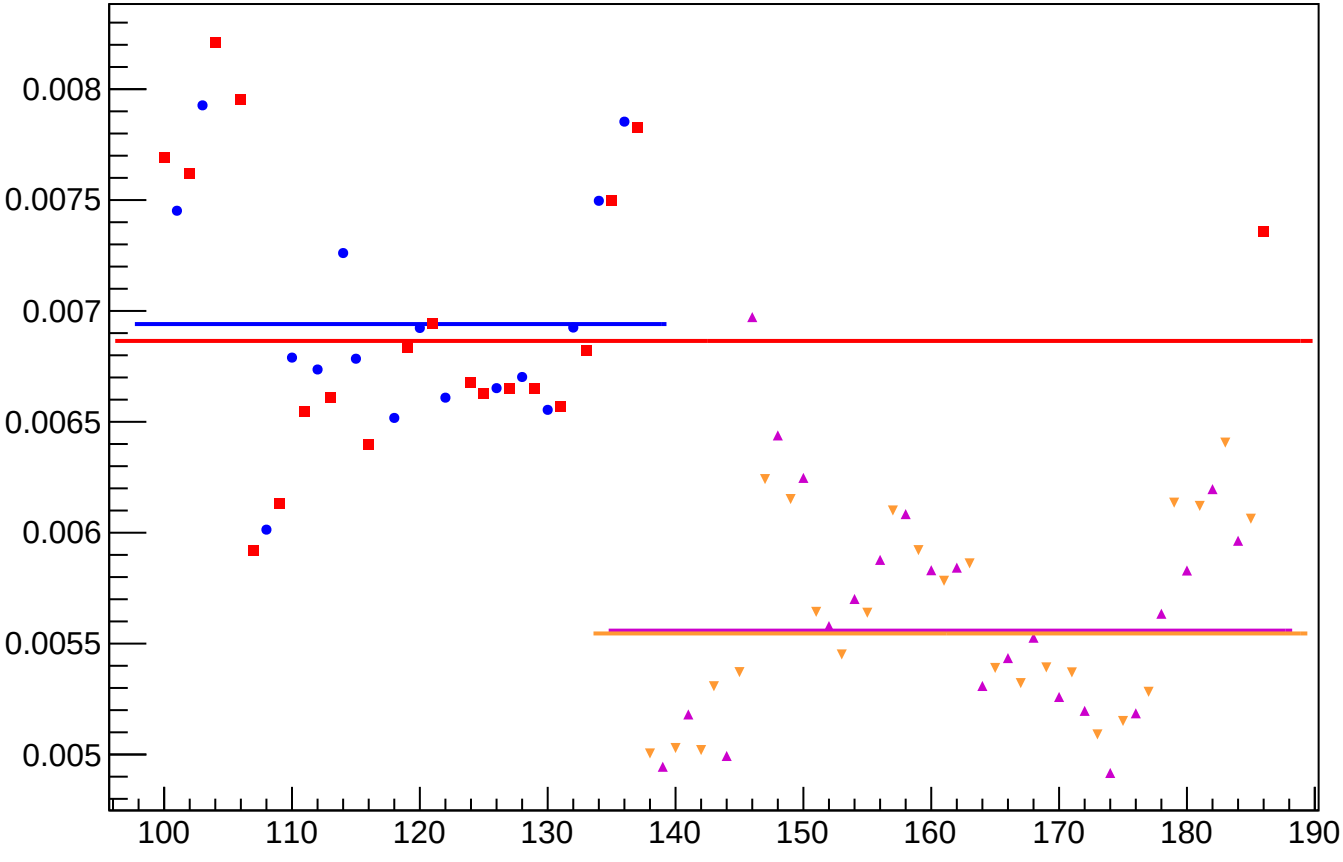
In: 0.005+/-0.000 χ^2/NDF:767007.3/38

Out: 0.005+/-0.000 χ^2/NDF:1395755.4/44

All: 0.005+/-0.000 χ^2/NDF: 2166101.7/83


yield_bpm0i02X_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.205+/-0.000 χ²/NDF: 6189271855.3/15
Left Out: -0.130+/-0.000 χ²/NDF:21496239338.5/24
Right Out: -0.179+/-0.000 χ²/NDF: 6707407936.7/19
Left In: -0.140+/-0.000 χ²/NDF:15148699439.4/22
Left: -0.135+/-0.000 χ²/NDF: 36673480193.4/47
Right: -0.192+/-0.000 χ²/NDF: 12947969950.7/35
In: -0.153+/-0.000 χ²/NDF:21830926079.0/38
Out: -0.140+/-0.000 χ²/NDF:28513020672.1/44
All: -0.147+/-0.000 χ²/NDF: 50405171201.1/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

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

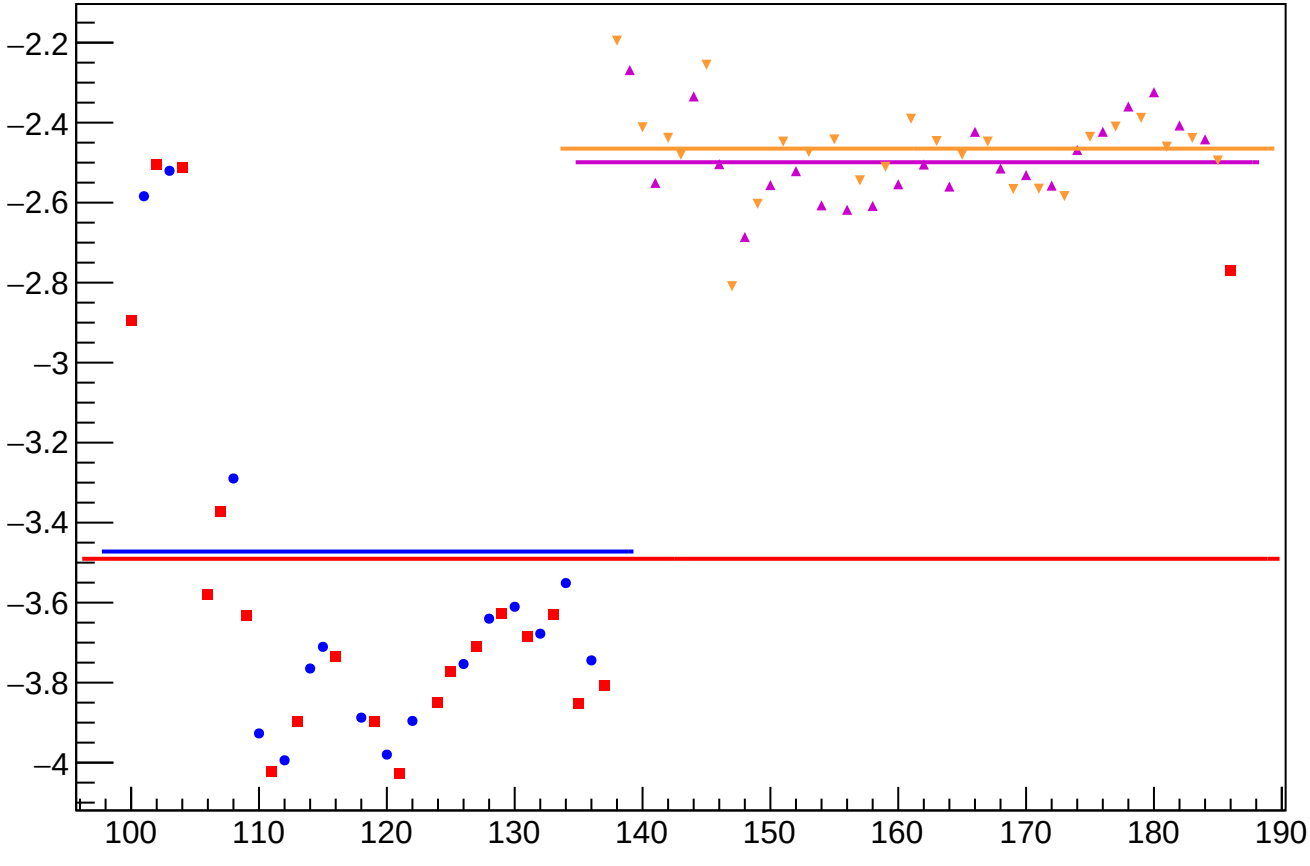
Right: 0.007+/-0.000 χ^2/NDF: 189609.0/35

In: 0.006+/-0.000 χ^2/NDF:788671.6/38

Out: 0.006+/-0.000 χ^2/NDF:747780.7/44

All: 0.006+/-0.000 χ^2/NDF: 1536688.6/83

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

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

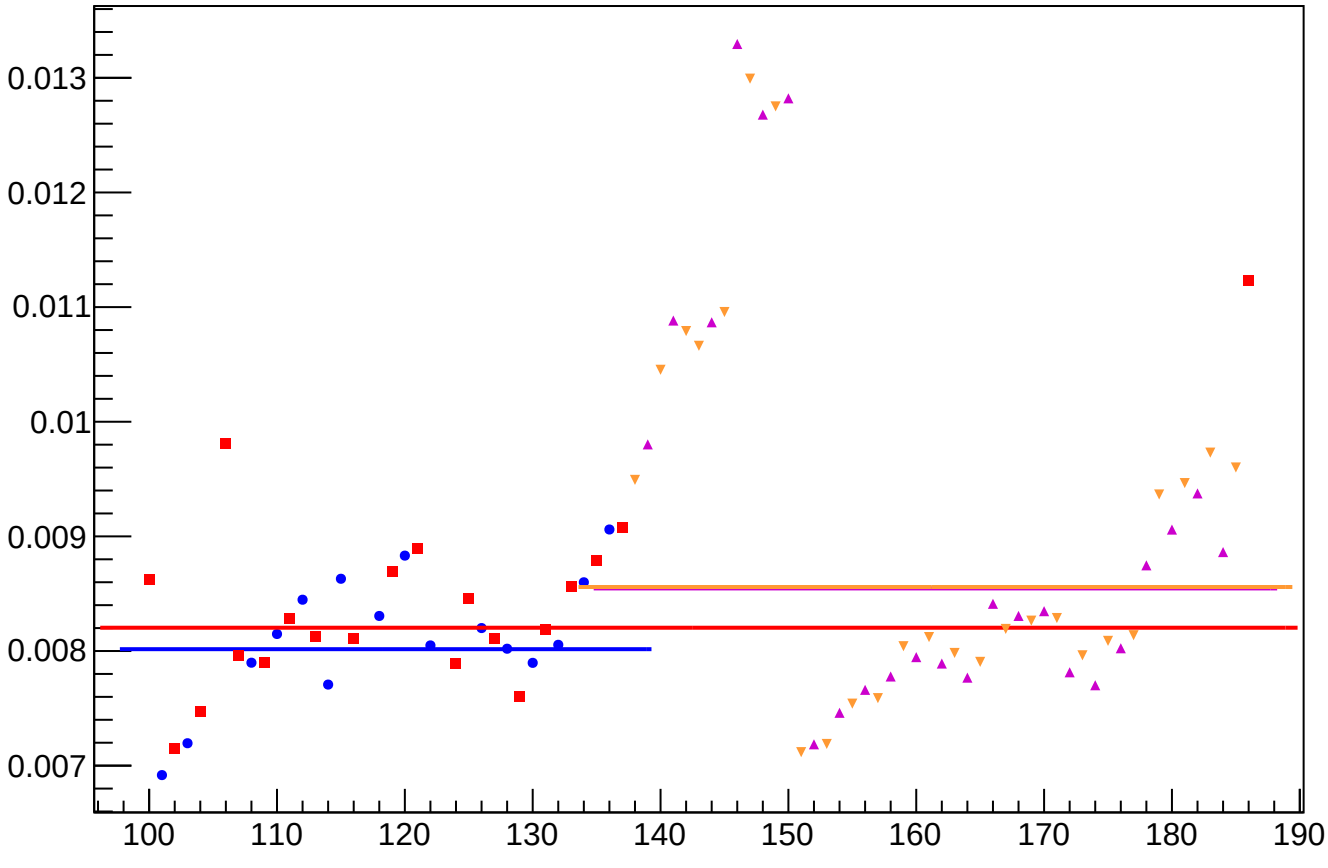
Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

Right: -3.481+/-0.000 χ^2/NDF: 61009110803.8/35

In: -2.808+/-0.000 χ^2/NDF:102178252686.4/38

Out: -2.783+/-0.000 χ^2/NDF:114178944557.5/44

All: -2.795+/-0.000 χ^2/NDF: 216461070881.8



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

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

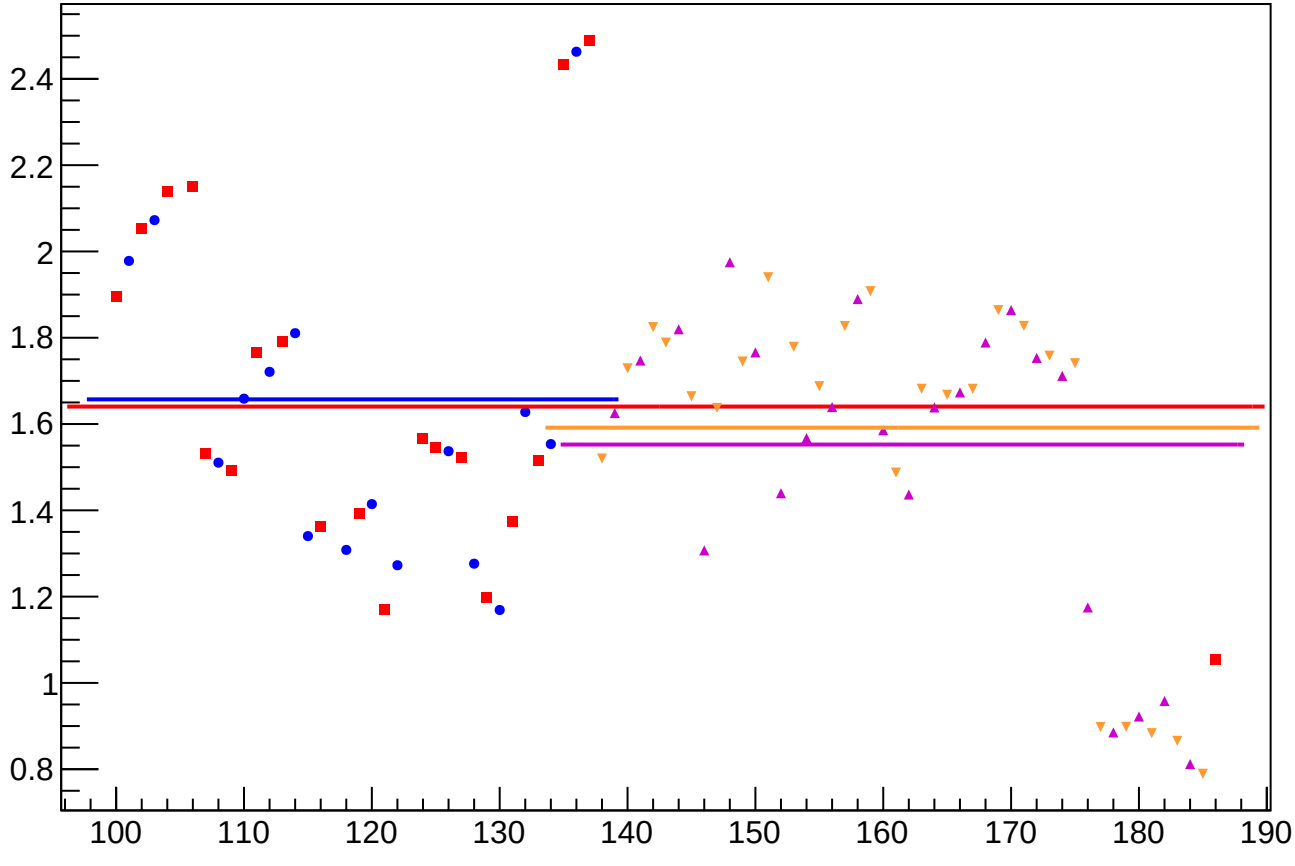
Right: 0.008+/-0.000 χ^2/NDF: 220816.0/35

In: 0.008+/-0.000 χ^2/NDF:1038673.4/38

Out: 0.008+/-0.000 χ^2/NDF:974103.7/44

All: 0.008+/-0.000 χ^2/NDF: 2014504.2/83

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

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

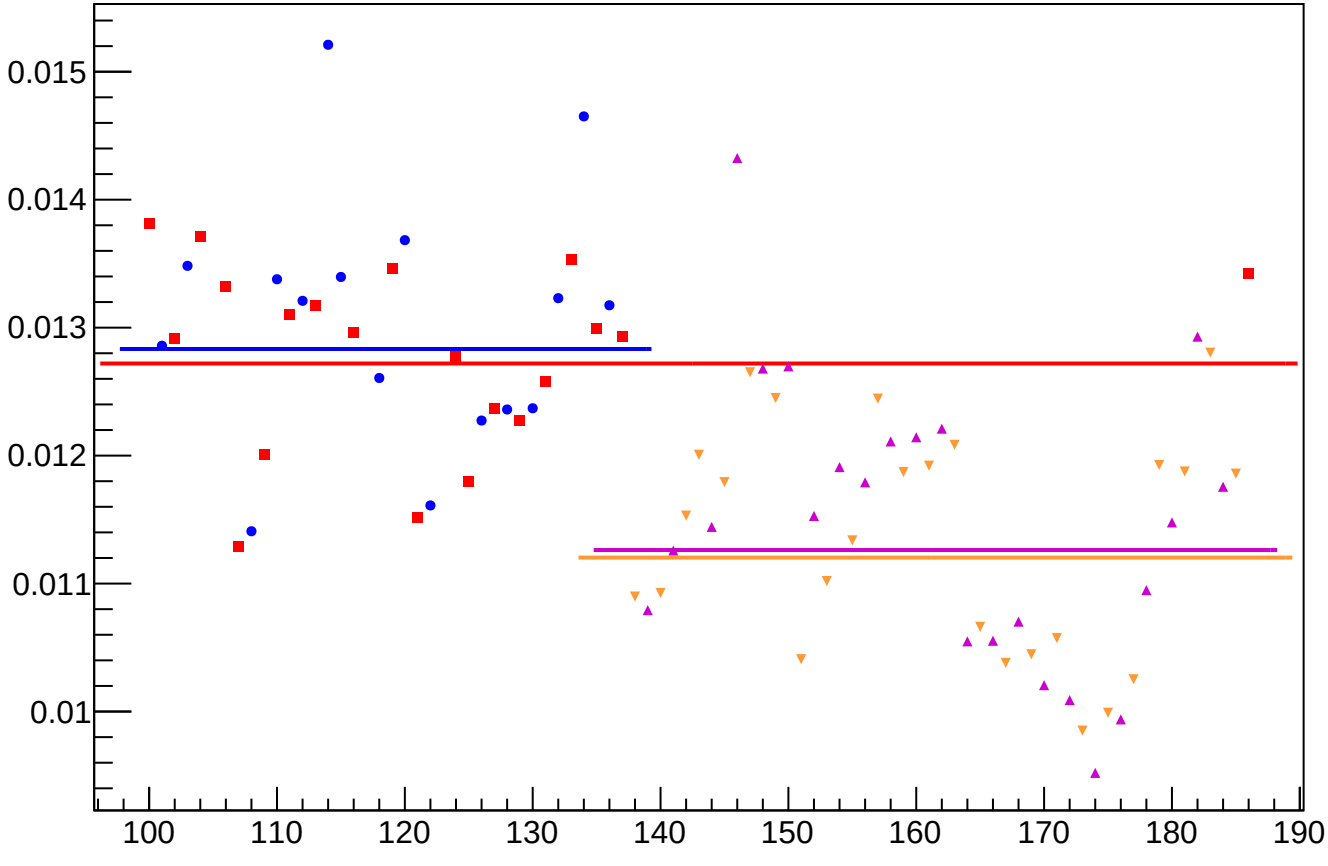
Right: 1.648+/-0.000 χ^2/NDF: 13813080874.4/35

In: 1.577+/-0.000 χ^2/NDF:21078449372.7/38

Out: 1.603+/-0.000 χ^2/NDF:24304735416.8/44

All: 1.591+/-0.000 χ^2/NDF: 45446615112.1/8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 45546.0/19

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

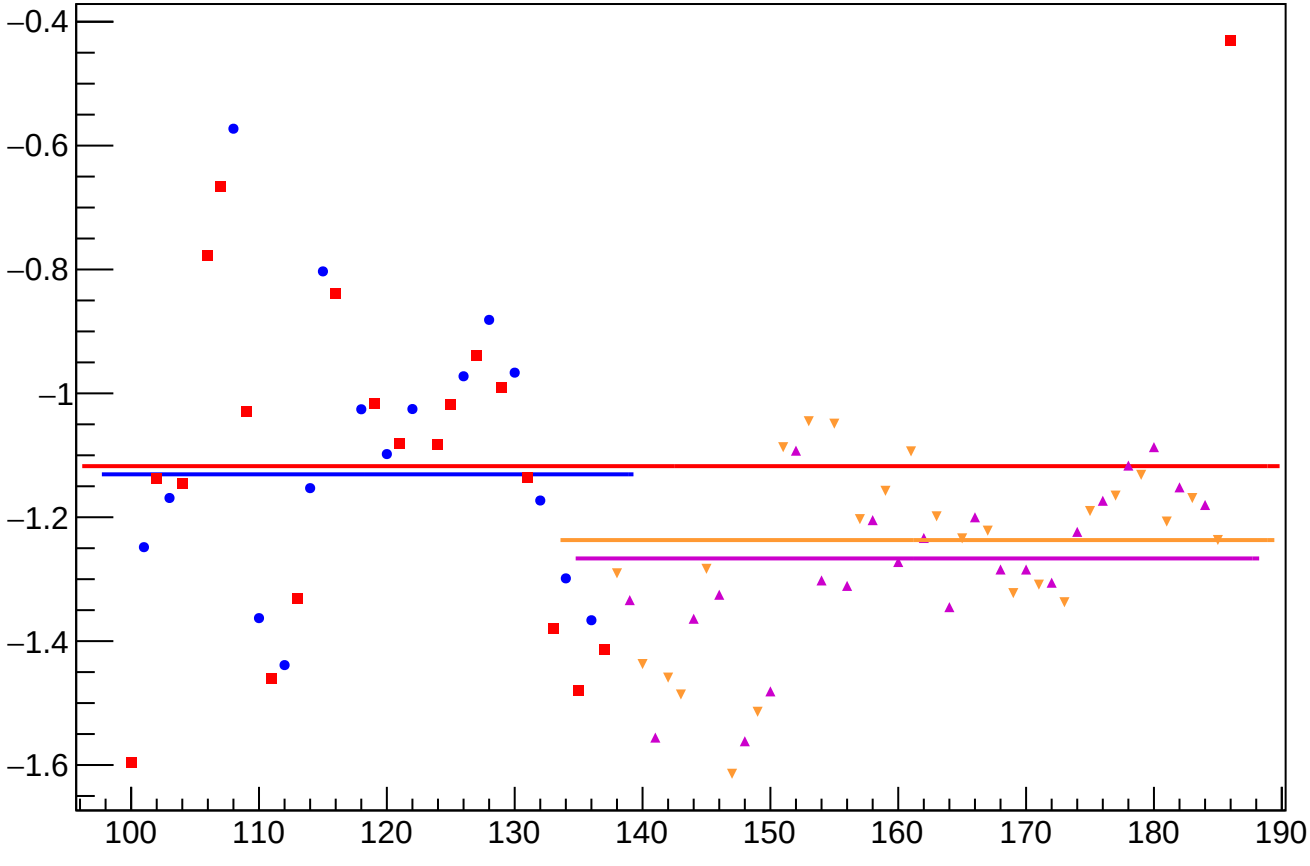
Right: 0.013+/-0.000 χ^2/NDF: 98637.2/35

In: 0.012+/-0.000 χ^2/NDF:524500.3/38

Out: 0.012+/-0.000 χ^2/NDF:433036.2/44

All: 0.012+/-0.000 χ^2/NDF: 958330.4/83

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -1.118+/-0.000 χ^2/NDF: 5019170062.0/19

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

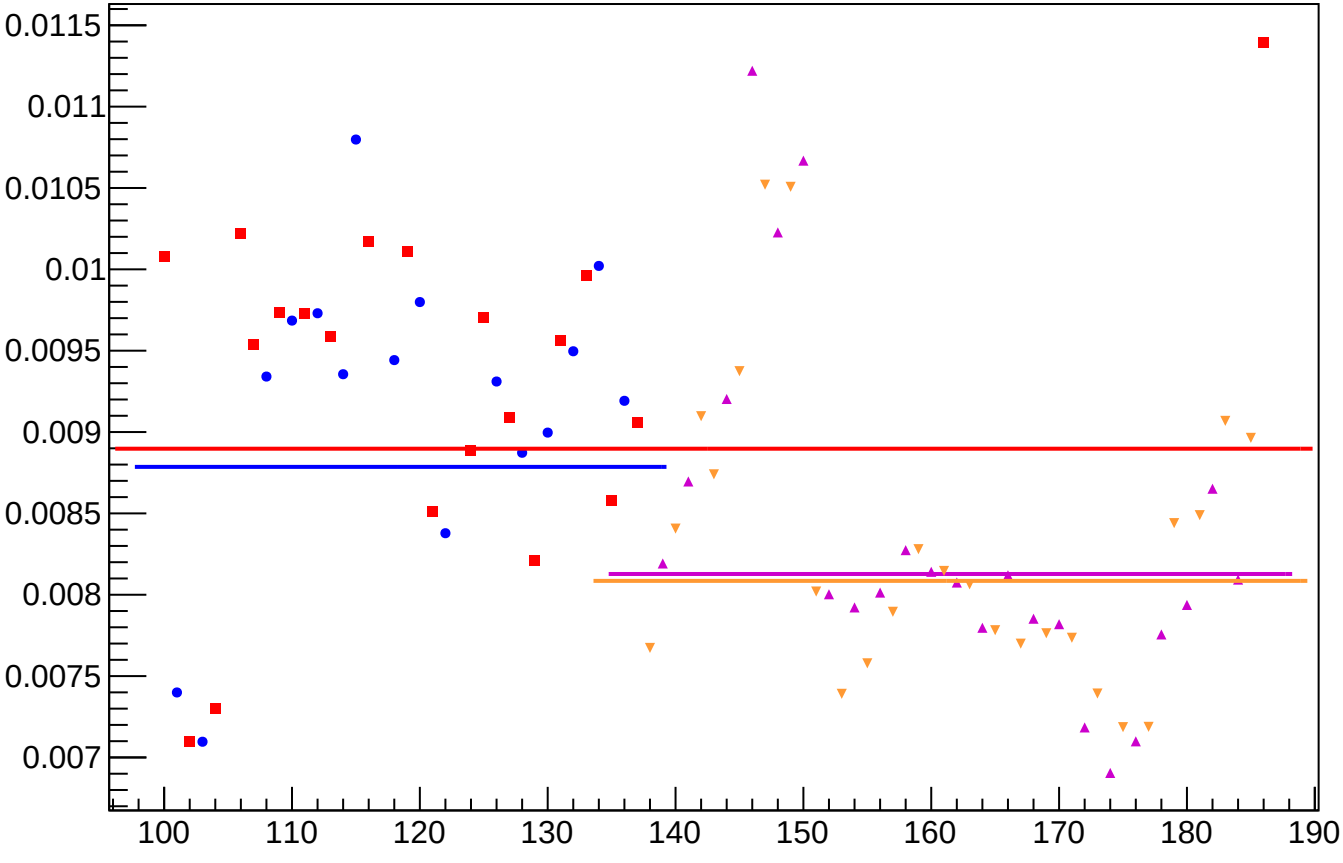
Right: -1.124+/-0.000 χ^2/NDF: 8817180494.5/35

In: -1.232+/-0.000 χ^2/NDF:8683819645.9/38

Out: -1.207+/-0.000 χ^2/NDF:10977911697.7/44

All: -1.219+/-0.000 χ^2/NDF: 19772785195.4/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF: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

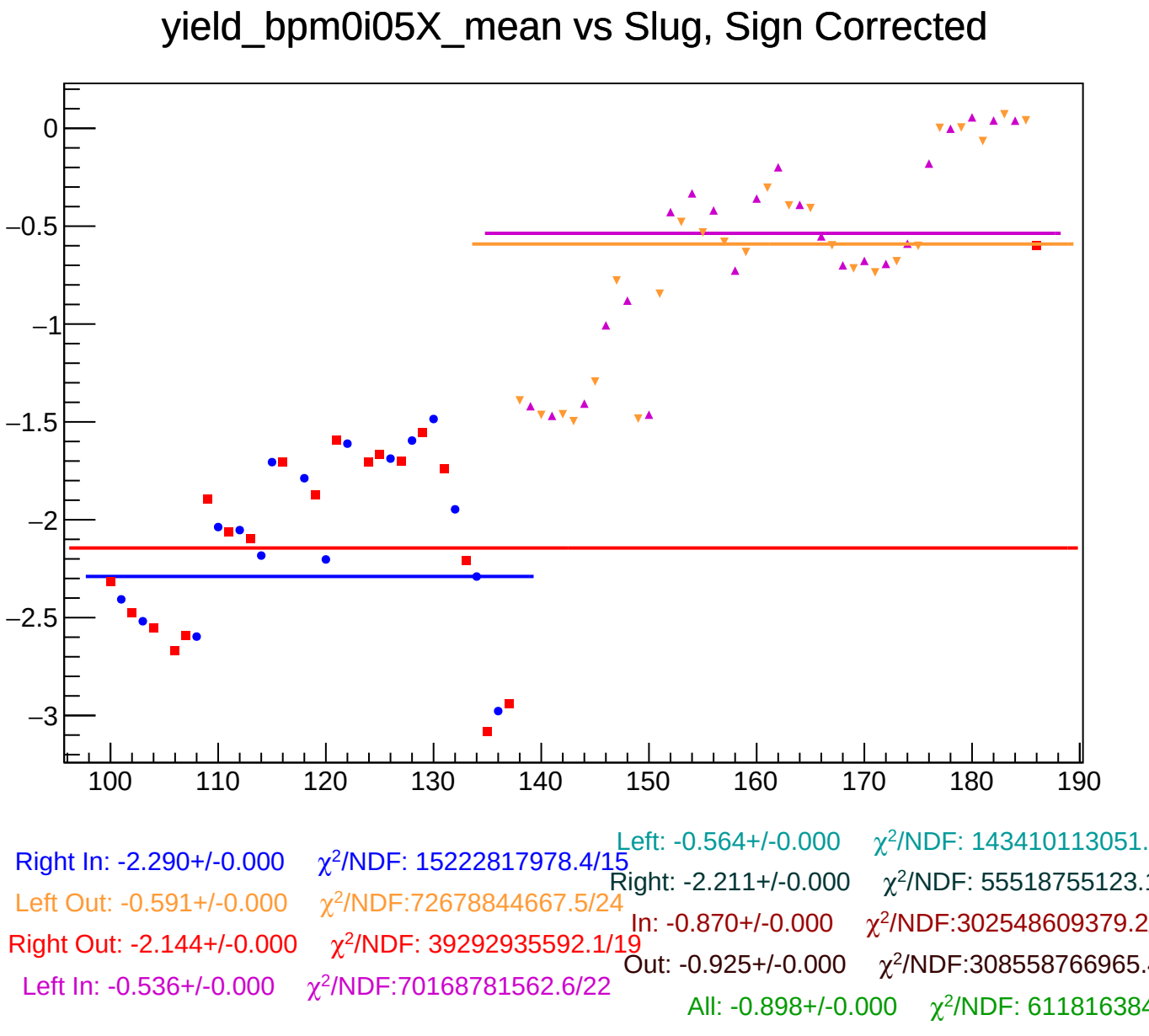
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.009+/-0.000 χ^2/NDF: 417973.8/35

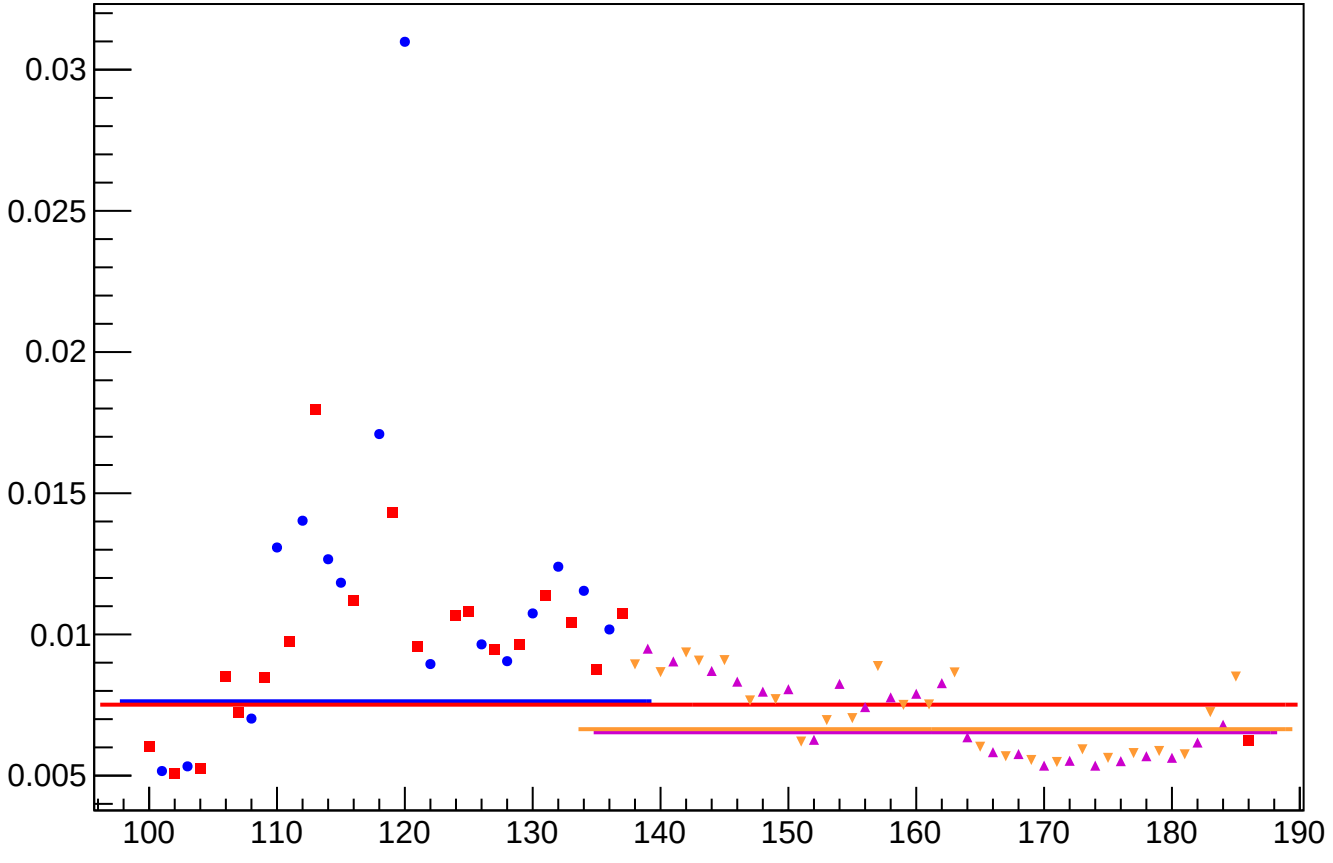
In: 0.008+/-0.000 χ^2/NDF:639792.4/38

Out: 0.008+/-0.000 χ^2/NDF:661569.4/44

All: 0.008+/-0.000 χ^2/NDF: 1301378.1/83


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
190
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.591+/-0.000 χ²/NDF:72678844667.5/24
Right Out: -2.144+/-0.000 χ²/NDF: 39292935592.1/19
Left In: -0.536+/-0.000 χ²/NDF:70168781562.6/22
Left: -0.564+/-0.000 χ²/NDF: 143410113051.4/47
Right: -2.211+/-0.000 χ²/NDF: 55518755123.1/35
In: -0.870+/-0.000 χ²/NDF:302548609379.2/38
Out: -0.925+/-0.000 χ²/NDF:308558766965.4/44
All: -0.898+/-0.000 χ²/NDF: 611816384975.0

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

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

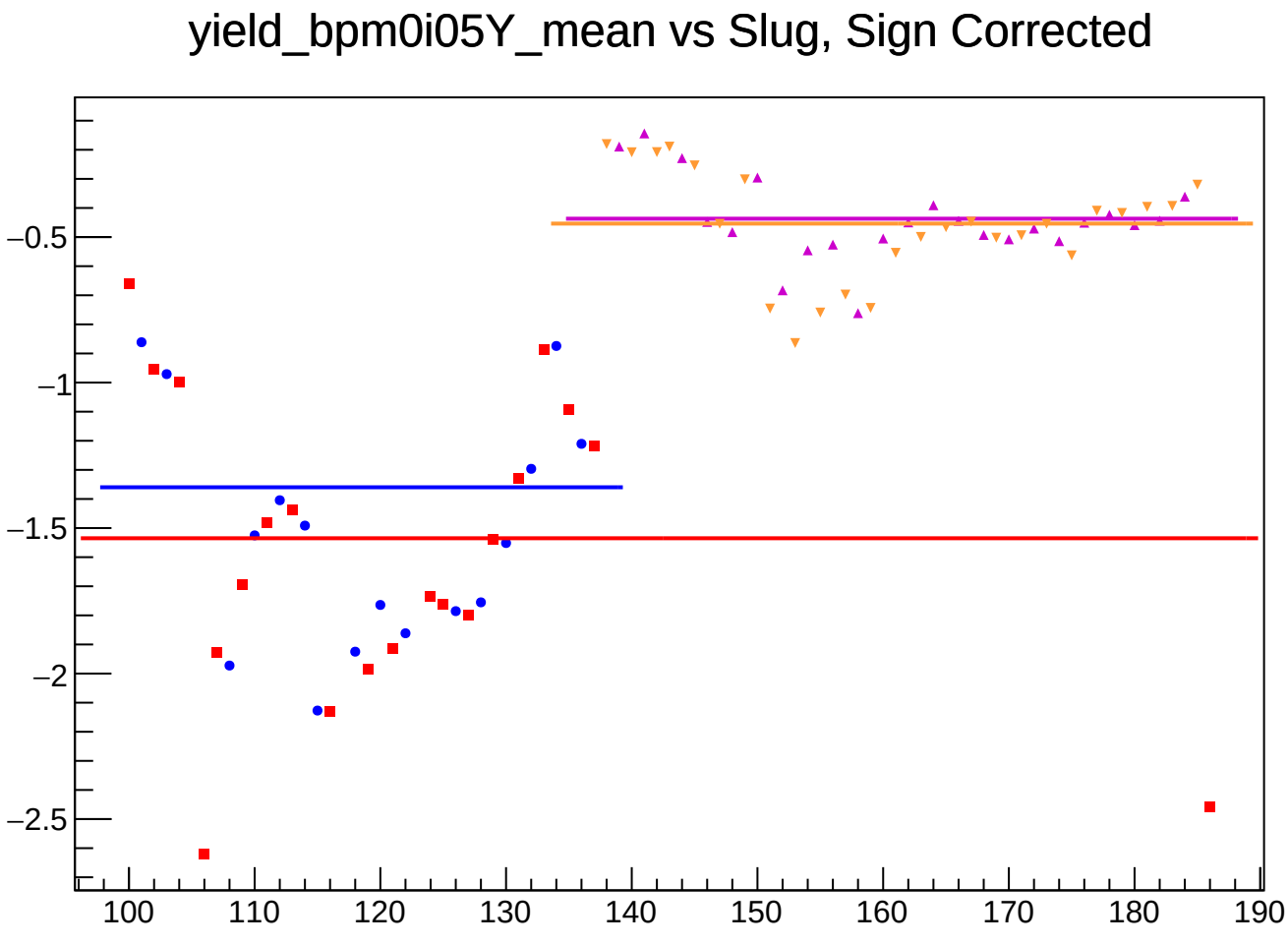
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.008+/-0.000 χ^2/NDF: 3060349.7/35

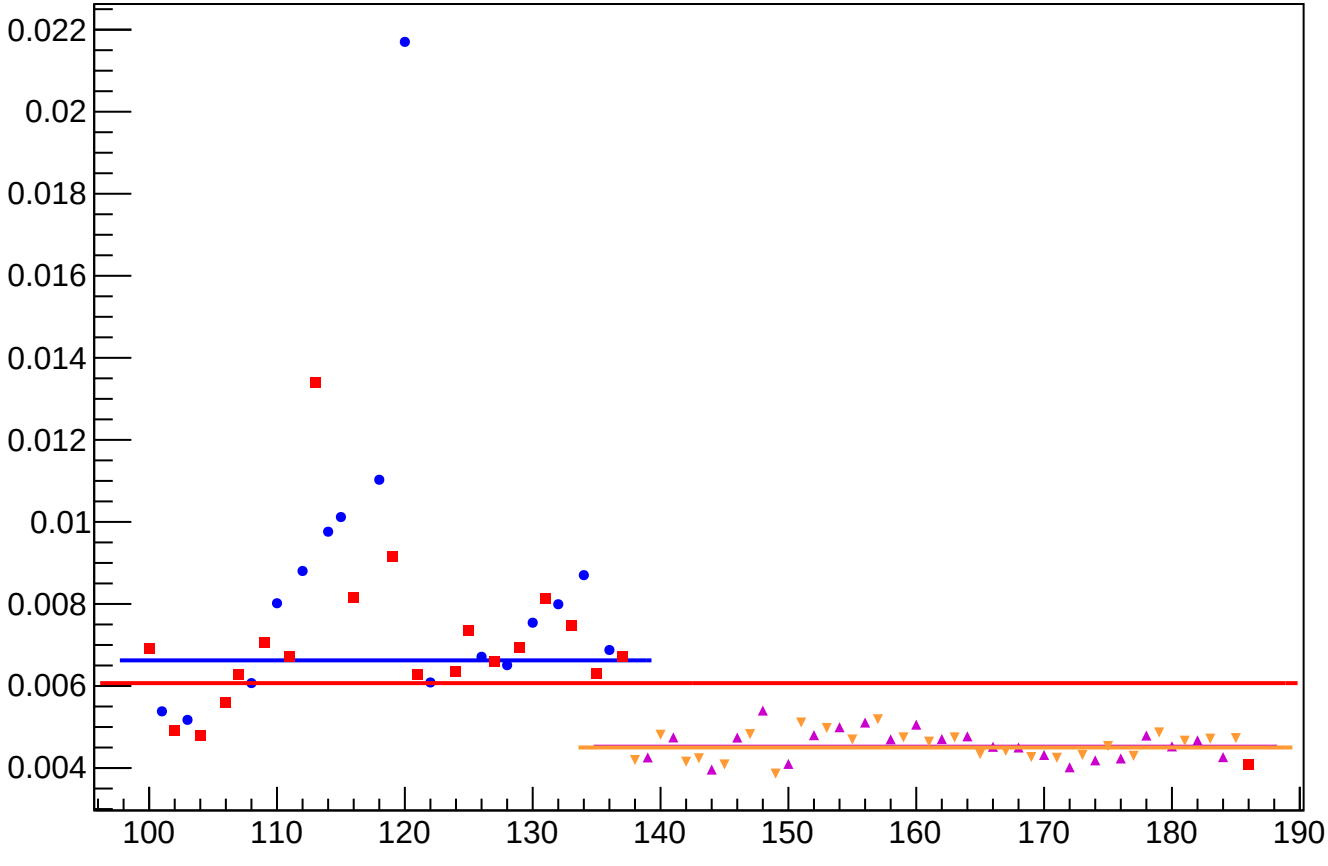
In: 0.007+/-0.000 χ^2/NDF:3032347.3/38

Out: 0.007+/-0.000 χ^2/NDF:2562893.6/44

All: 0.007+/-0.000 χ^2/NDF: 5598874.3/83


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: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
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: -1.459+/-0.000 χ²/NDF: 74102469431.6/35
In: -0.565+/-0.000 χ²/NDF:134753977994.8/38
Out: -0.633+/-0.000 χ²/NDF:248265215125.9/44
All: -0.601+/-0.000 χ²/NDF: 385296606345.2

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

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

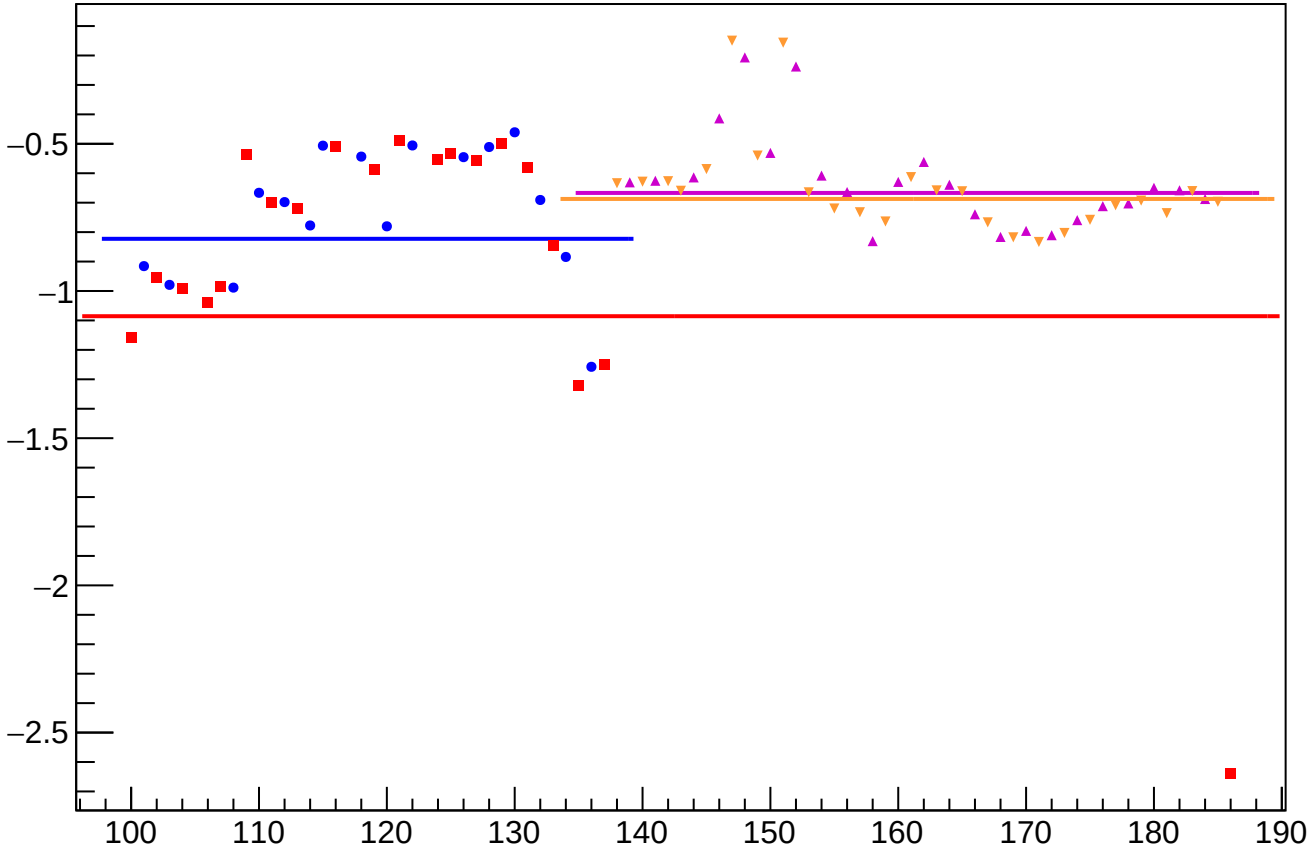
Right: 0.006+/-0.000 χ^2/NDF: 1456038.4/35

In: 0.005+/-0.000 χ^2/NDF:1911354.3/38

Out: 0.005+/-0.000 χ^2/NDF:1616328.3/44

All: 0.005+/-0.000 χ^2/NDF: 3530392.2/83

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

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

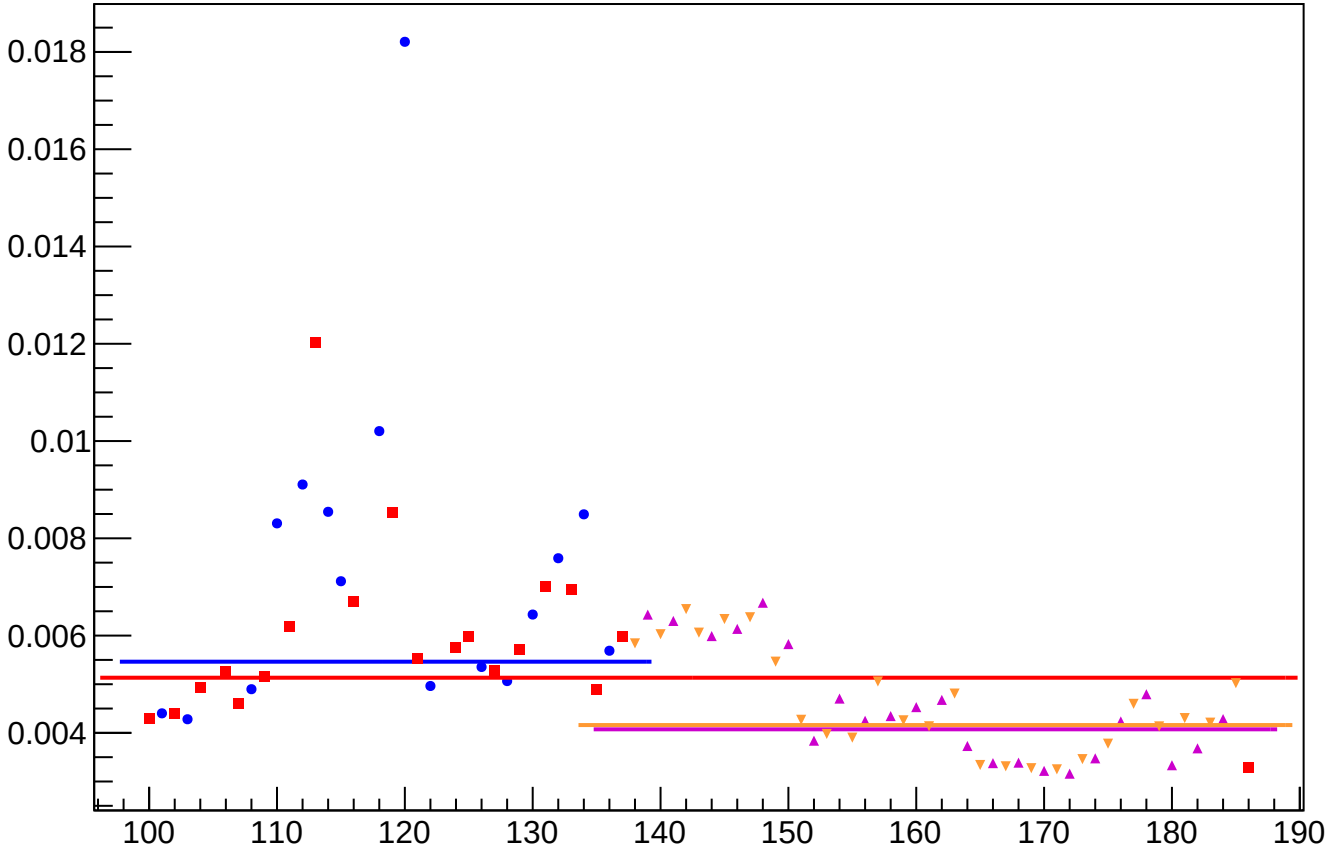
Right: -0.971+/-0.000 χ^2/NDF: 135054576581.8/35

In: -0.692+/-0.000 χ^2/NDF:38514446085.1/38

Out: -0.766+/-0.000 χ^2/NDF:168323739757.7/44

All: -0.730+/-0.000 χ^2/NDF: 210010222091.0

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

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

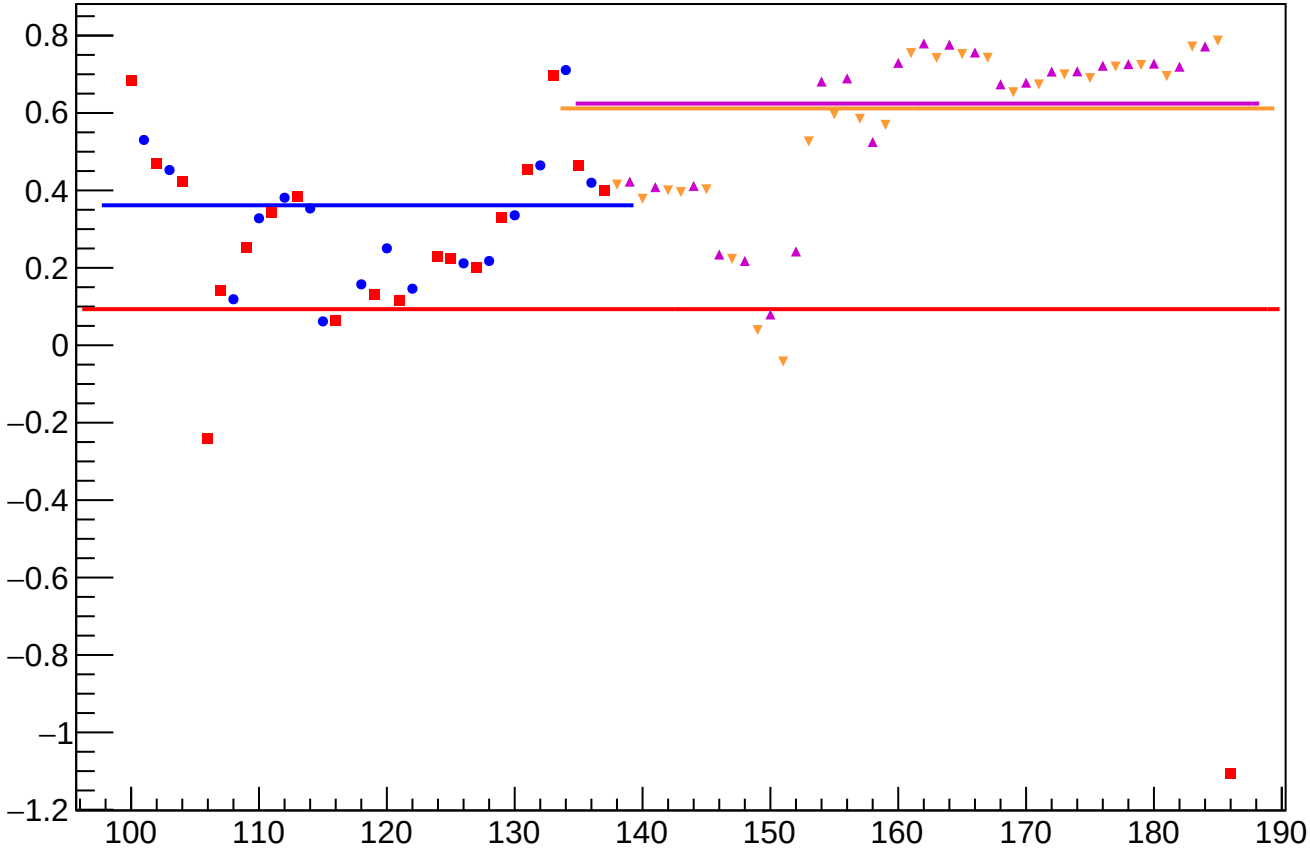
Right: 0.005+/-0.000 χ^2/NDF: 1775580.0/35

In: 0.004+/-0.000 χ^2/NDF:3309857.4/38

Out: 0.004+/-0.000 χ^2/NDF:2672392.1/44

All: 0.004+/-0.000 χ^2/NDF: 5985640.2/83

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

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

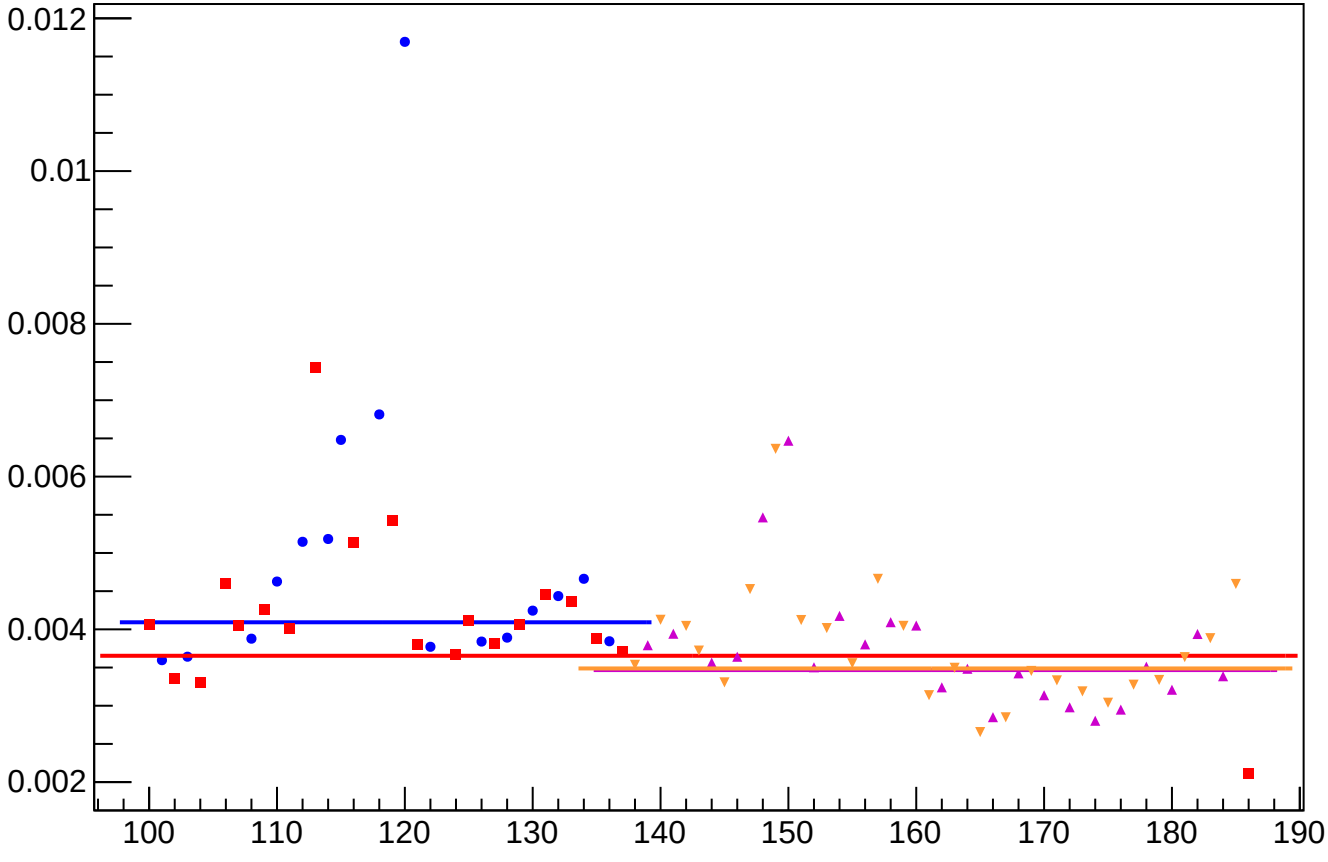
Right: 0.208+/-0.000 χ^2/NDF: 180744365279.5/35

In: 0.565+/-0.000 χ^2/NDF:68731827348.9/38

Out: 0.471+/-0.000 χ^2/NDF:298698996458.2/44

All: 0.516+/-0.000 χ^2/NDF: 375041852577.6

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

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

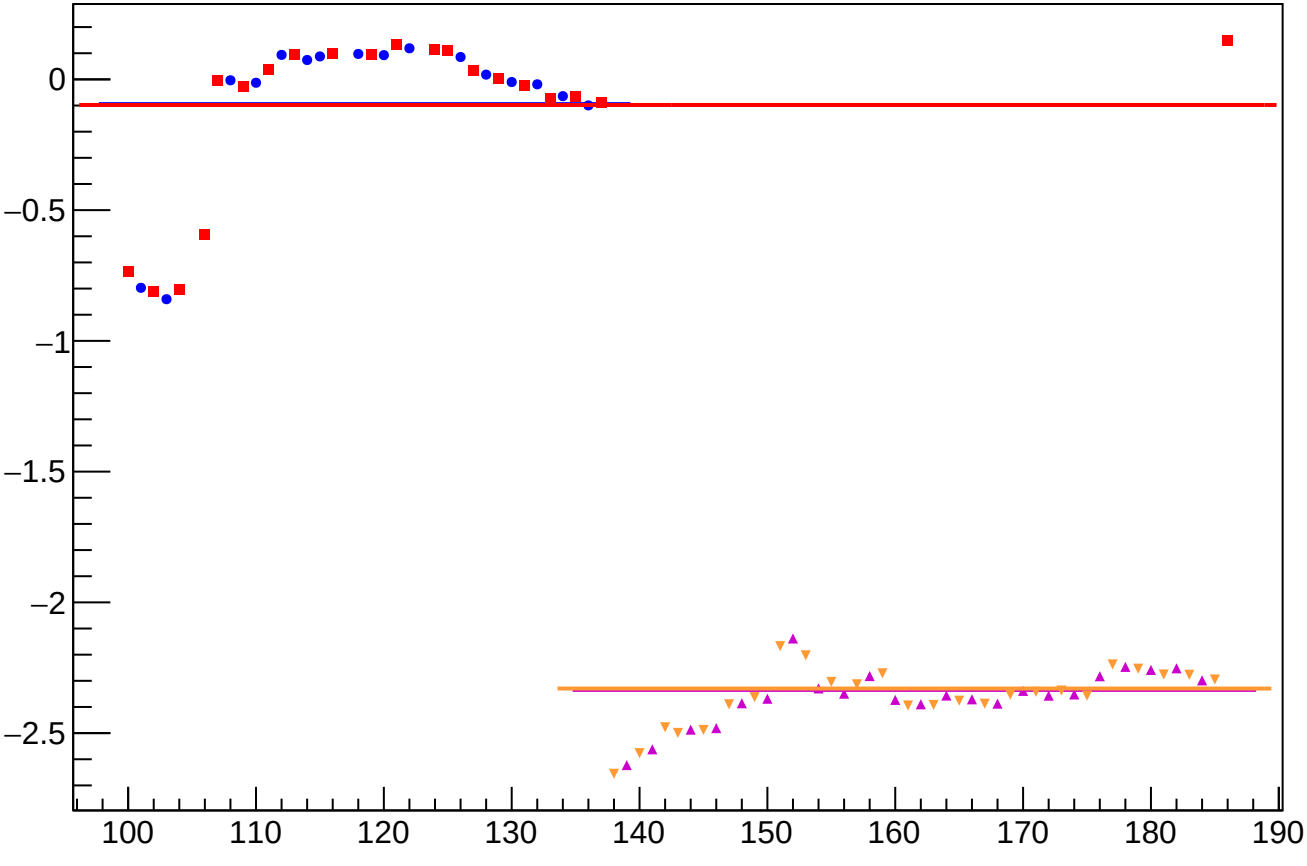
Right: 0.004+/-0.000 χ^2/NDF: 1364588.2/35

In: 0.004+/-0.000 χ^2/NDF:1608061.3/38

Out: 0.004+/-0.000 χ^2/NDF:1662667.7/44

All: 0.004+/-0.000 χ^2/NDF: 3280143.1/83

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

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

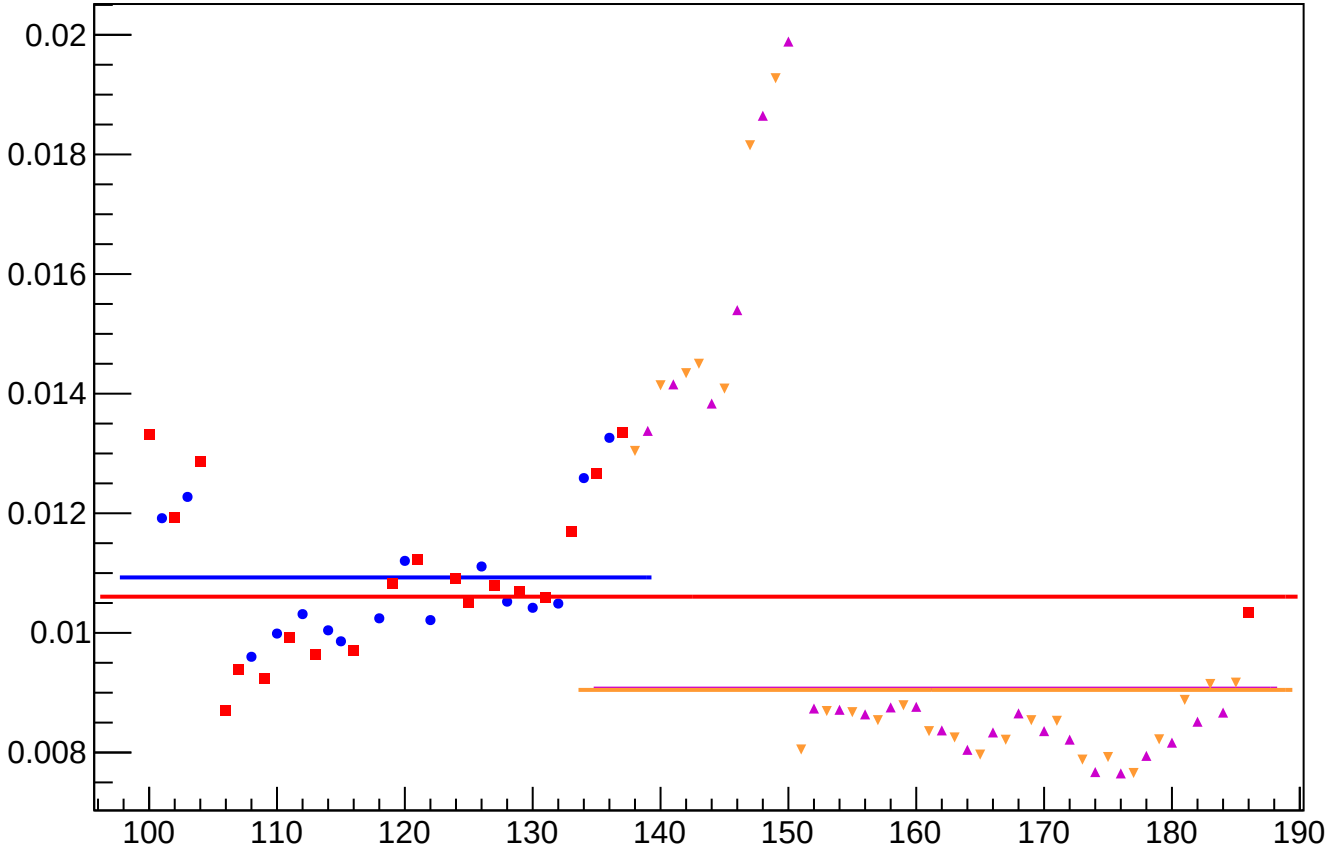
Right: -0.096+/-0.000 χ^2/NDF: 11924267220.9/35

In: -1.837+/-0.000 χ^2/NDF:239923589162.2/38

Out: -1.800+/-0.000 χ^2/NDF:271034414279.7/44

All: -1.817+/-0.000 χ^2/NDF: 511149041826.8

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

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

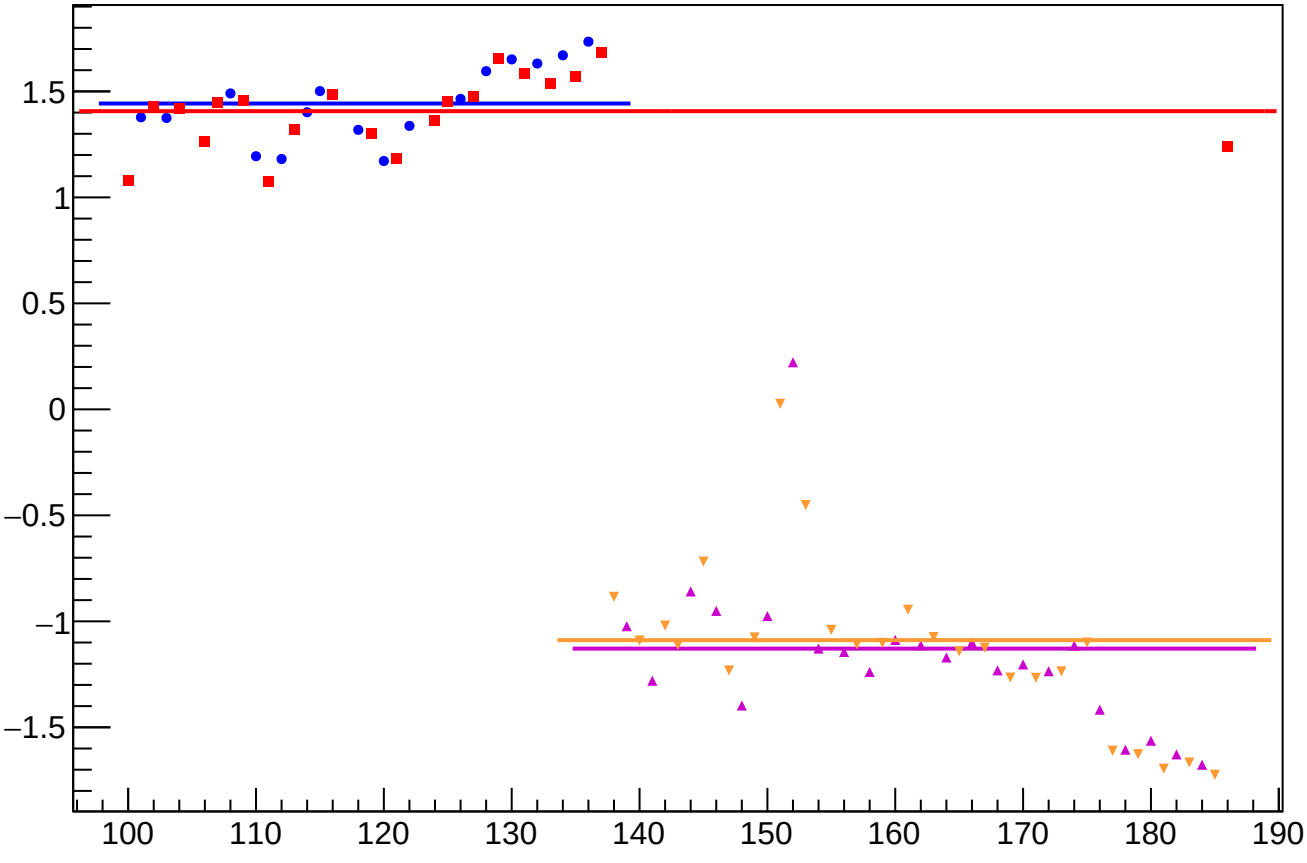
Right: 0.011+/-0.000 χ^2/NDF: 334227.6/35

In: 0.009+/-0.000 χ^2/NDF:2591452.2/38

Out: 0.009+/-0.000 χ^2/NDF:2496121.8/44

All: 0.009+/-0.000 χ^2/NDF: 5088736.8/83

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

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

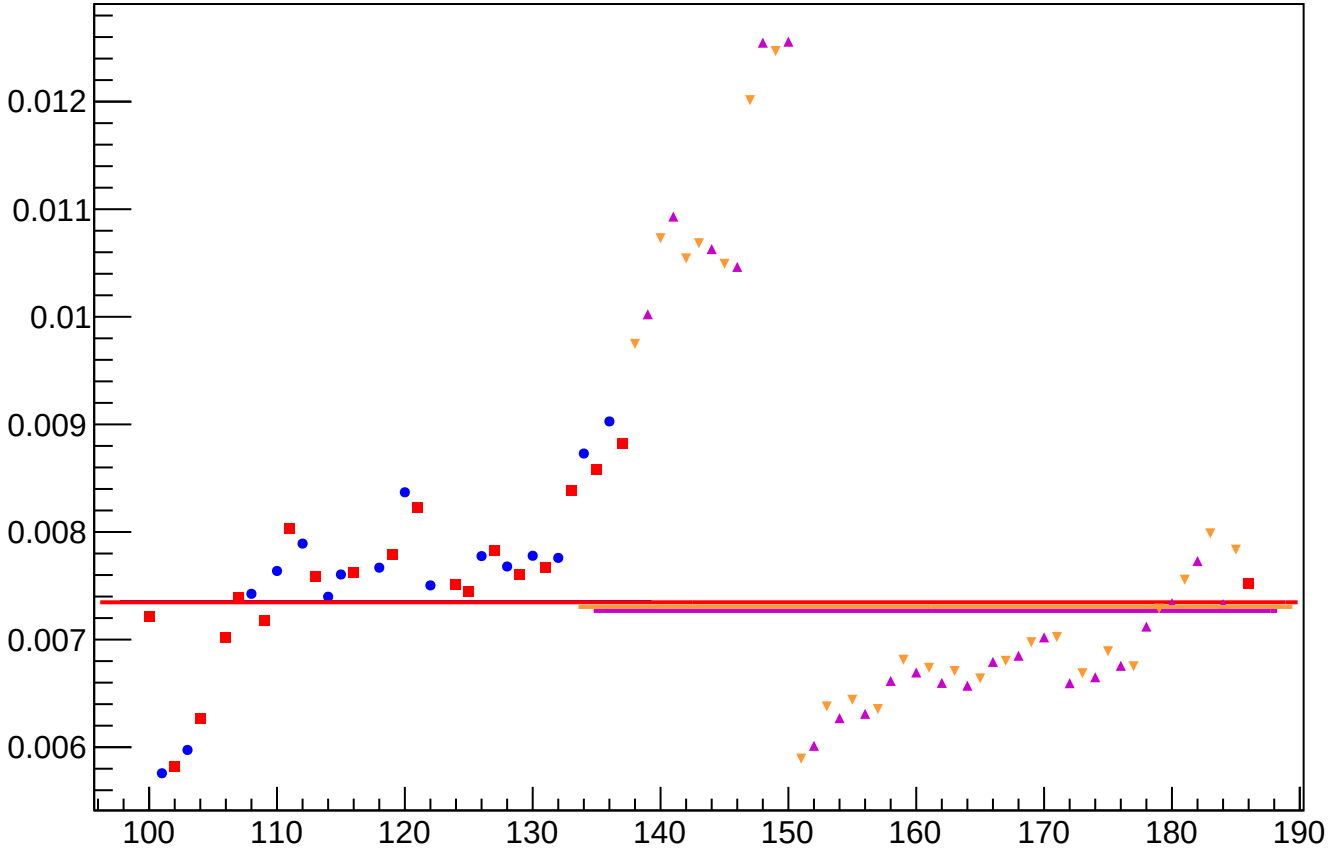
Right: 1.424+/-0.000 χ^2/NDF: 6843530642.5/35

In: -0.400+/-0.000 χ^2/NDF:682584614445.4/38

Out: -0.356+/-0.000 χ^2/NDF:698043484419.3/44

All: -0.377+/-0.000 χ^2/NDF: 1381100206085

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

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

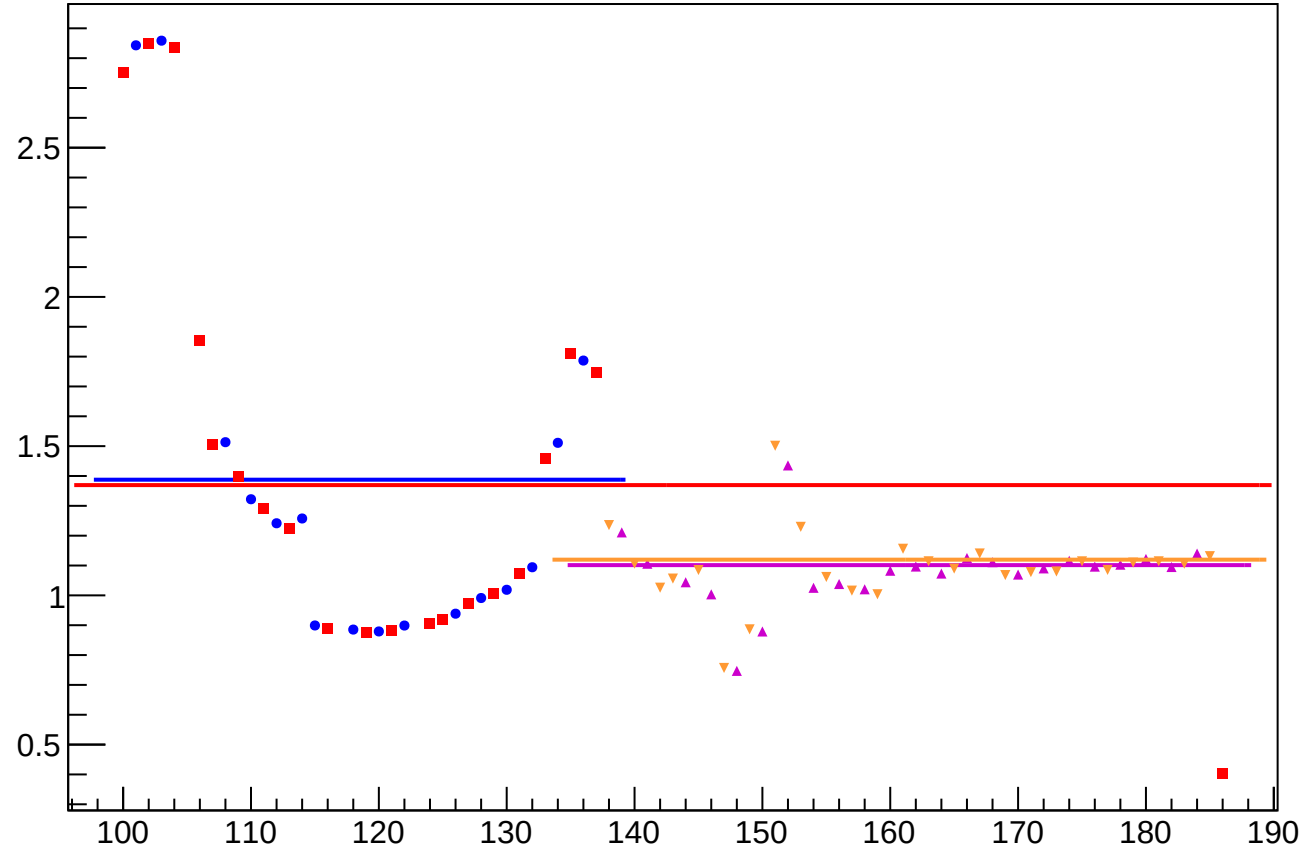
Right: 0.007+/-0.000 χ^2/NDF: 466698.9/35

In: 0.007+/-0.000 χ^2/NDF:1832247.5/38

Out: 0.007+/-0.000 χ^2/NDF:1700315.2/44

All: 0.007+/-0.000 χ^2/NDF: 3532894.2/83

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

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

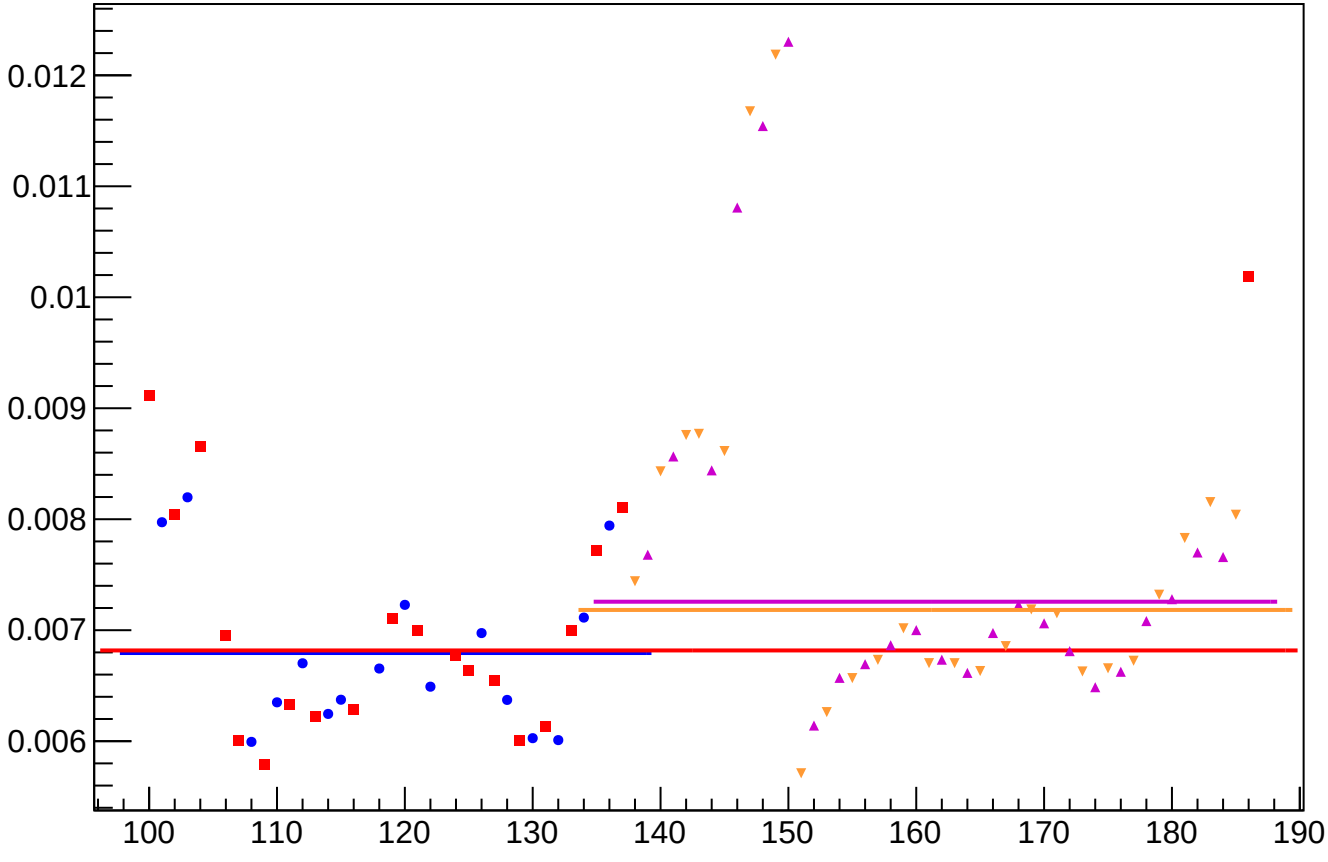
Right: 1.378+/-0.000 χ^2/NDF: 117787329631.4/35

In: 1.192+/-0.000 χ^2/NDF:71432675711.1/38

Out: 1.199+/-0.000 χ^2/NDF:71742102628.6/44

All: 1.196+/-0.000 χ^2/NDF: 143187083060.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF: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

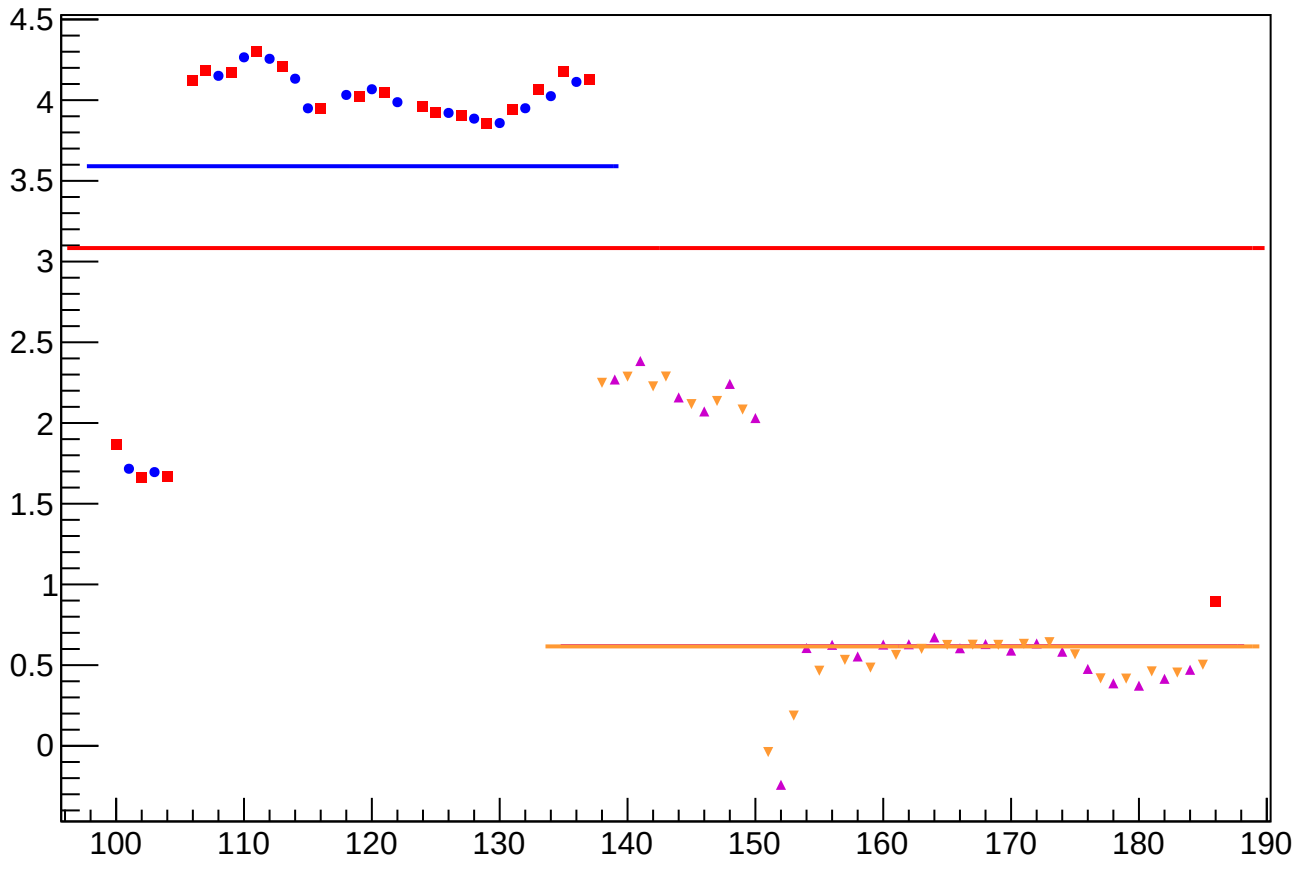
Right: 0.007+/-0.000 χ^2/NDF: 454671.3/35

In: 0.007+/-0.000 χ^2/NDF:1126108.4/38

Out: 0.007+/-0.000 χ^2/NDF:1214132.5/44

All: 0.007+/-0.000 χ^2/NDF: 2341202.1/83

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

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

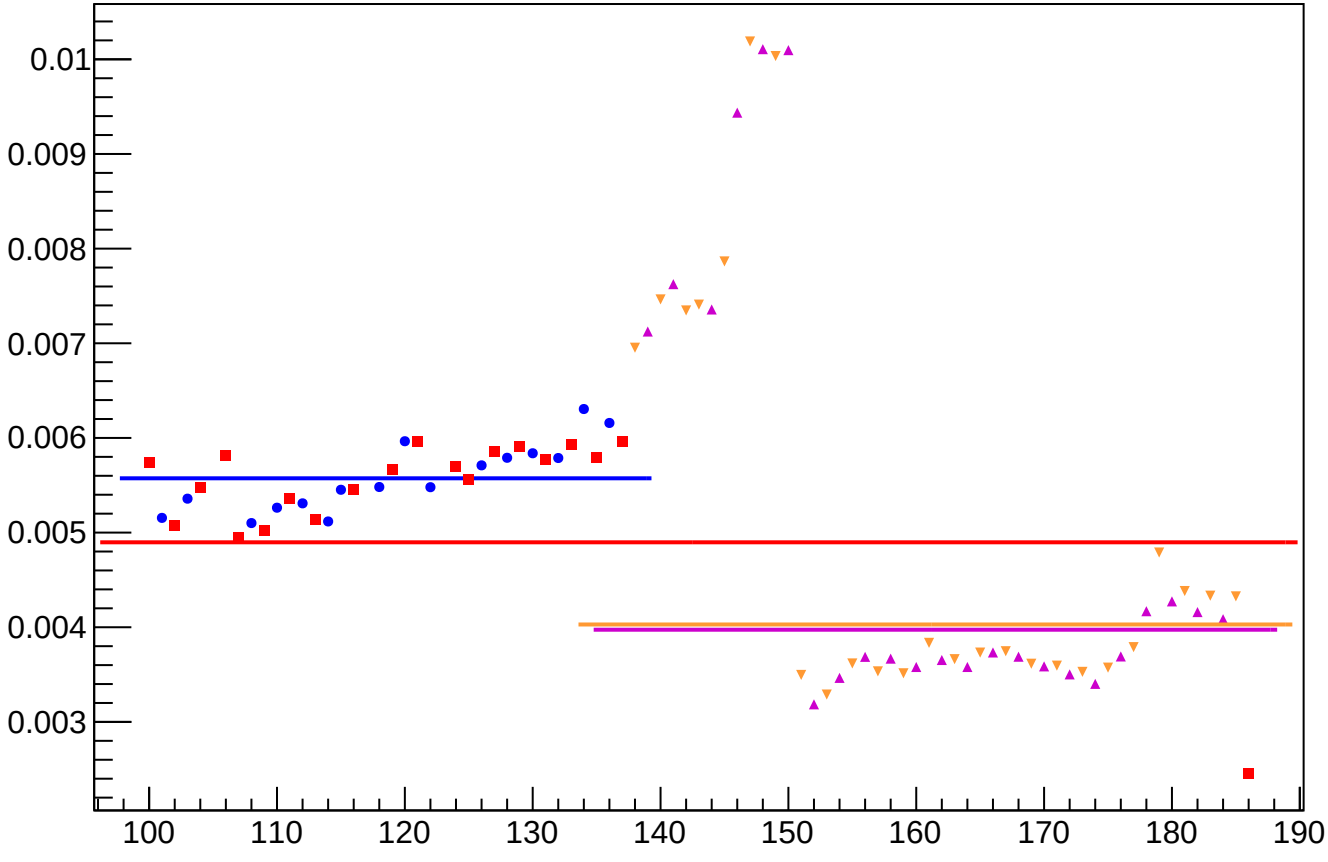
Right: 3.304+/-0.000 χ^2/NDF: 808546889344.3/35

In: 1.163+/-0.000 χ^2/NDF:2120999605826.8/38

Out: 1.163+/-0.000 χ^2/NDF:2250665193350.7/44

All: 1.163+/-0.000 χ^2/NDF: 4371664939166.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

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

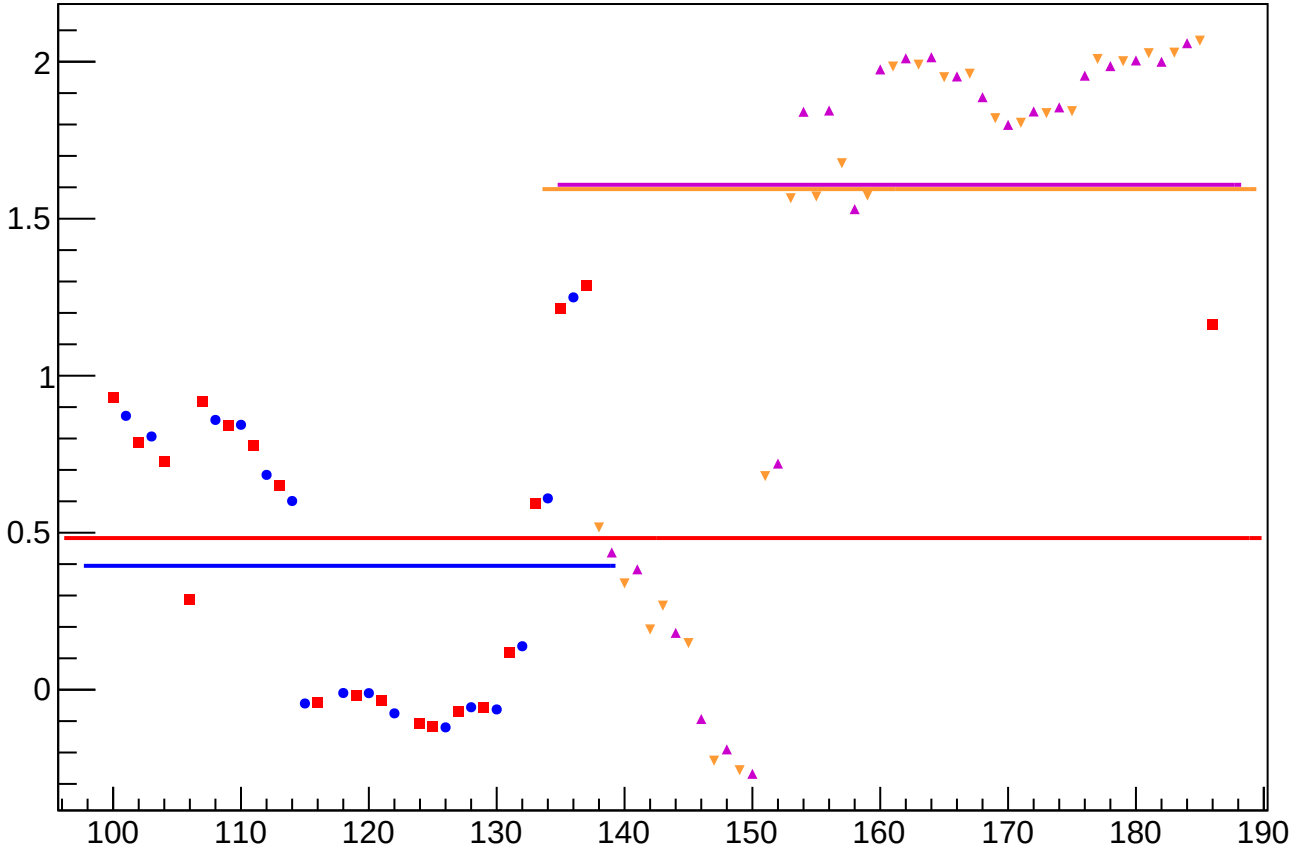
Right: 0.005+/-0.000 χ^2/NDF: 1131572.4/35

In: 0.004+/-0.000 χ^2/NDF:4145205.7/38

Out: 0.004+/-0.000 χ^2/NDF:4271057.4/44

All: 0.004+/-0.000 χ^2/NDF: 8418988.9/83

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

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

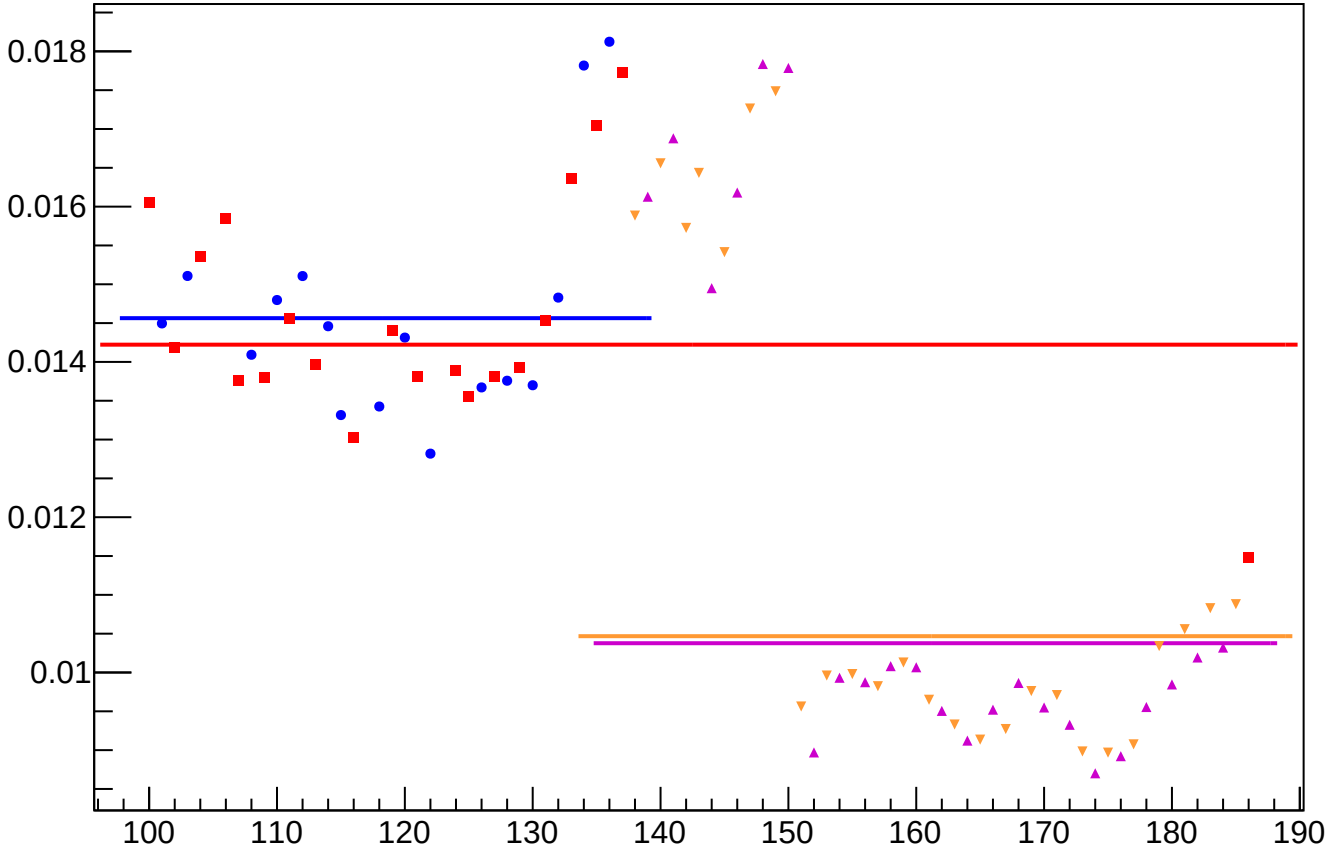
Right: 0.441+/-0.000 χ^2/NDF: 15989355785.6/35

In: 1.399+/-0.000 χ^2/NDF:114587169949.6/38

Out: 1.389+/-0.000 χ^2/NDF:109193808346.1/44

All: 1.394+/-0.000 χ^2/NDF: 223791464073.3

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

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

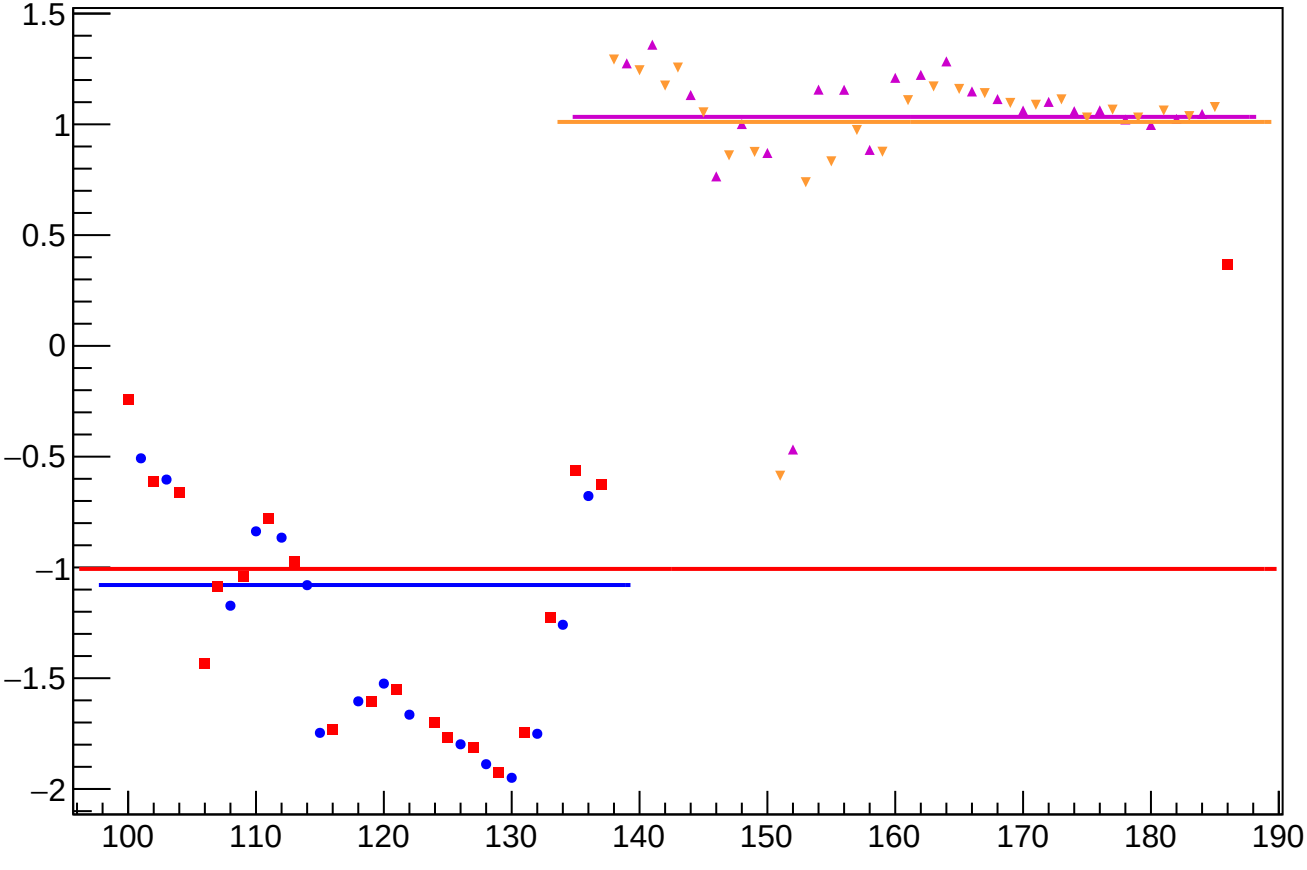
Right: 0.014+/-0.000 χ^2/NDF: 264664.6/35

In: 0.011+/-0.000 χ^2/NDF:2814276.2/38

Out: 0.011+/-0.000 χ^2/NDF:2659013.7/44

All: 0.011+/-0.000 χ^2/NDF: 5474095.6/83

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

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

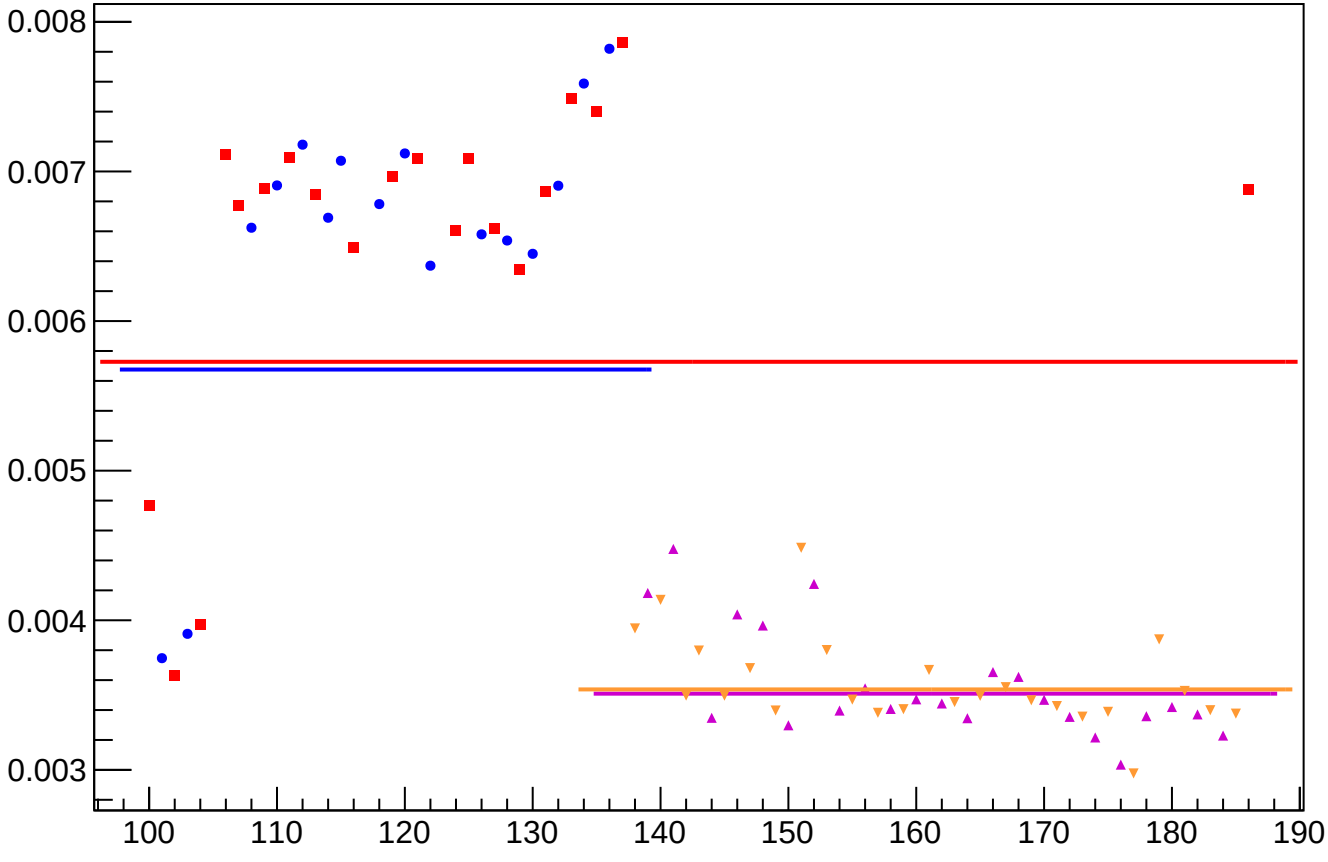
Right: -1.042+/-0.000 χ^2/NDF: 126337454770.2/35

In: 0.763+/-0.000 χ^2/NDF:954545553708.6/38

Out: 0.751+/-0.000 χ^2/NDF:914820155801.2/44

All: 0.757+/-0.000 χ^2/NDF: 1869485033302.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF: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

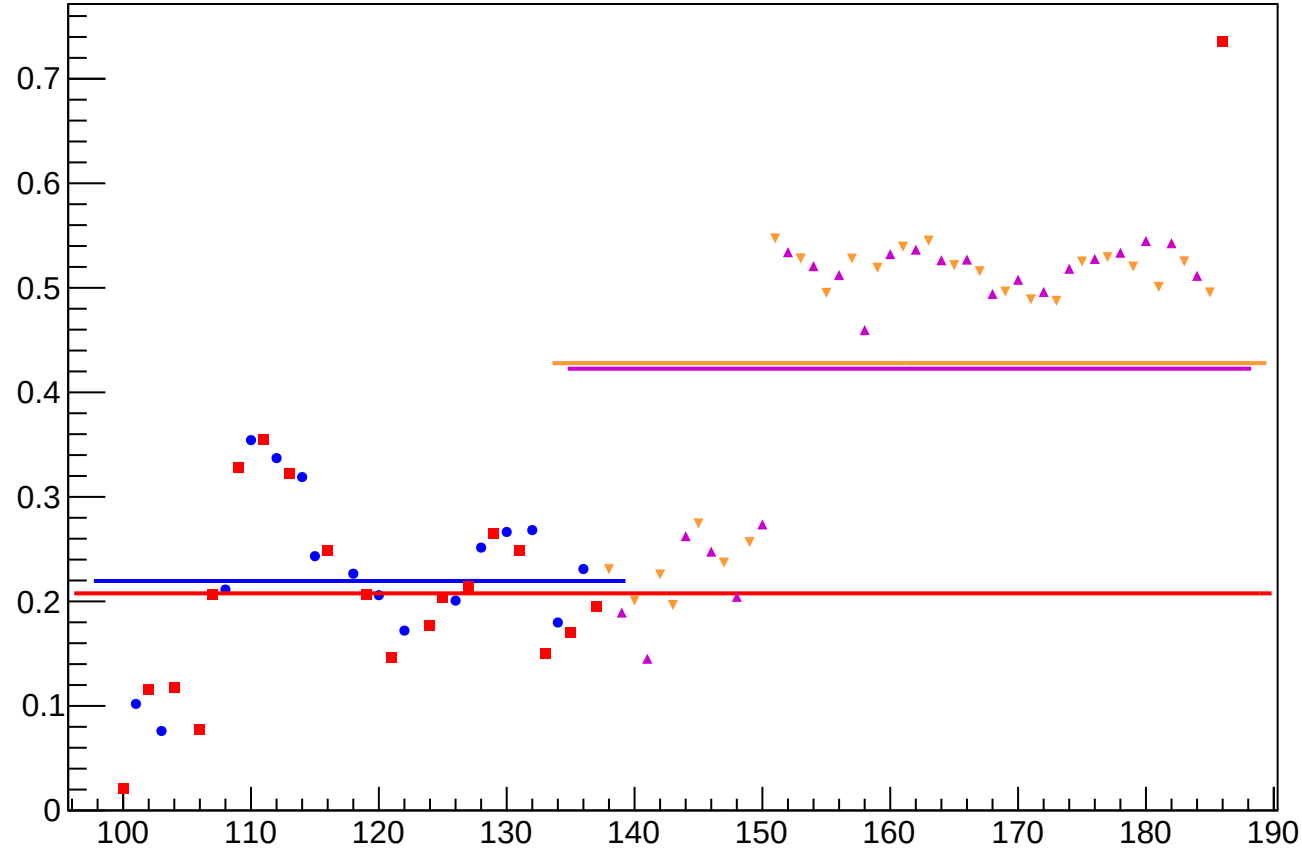
Right: 0.006+/-0.000 χ^2/NDF: 1948562.9/35

In: 0.004+/-0.000 χ^2/NDF:2847440.8/38

Out: 0.004+/-0.000 χ^2/NDF:2956824.7/44

All: 0.004+/-0.000 χ^2/NDF: 5806009.0/83

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

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

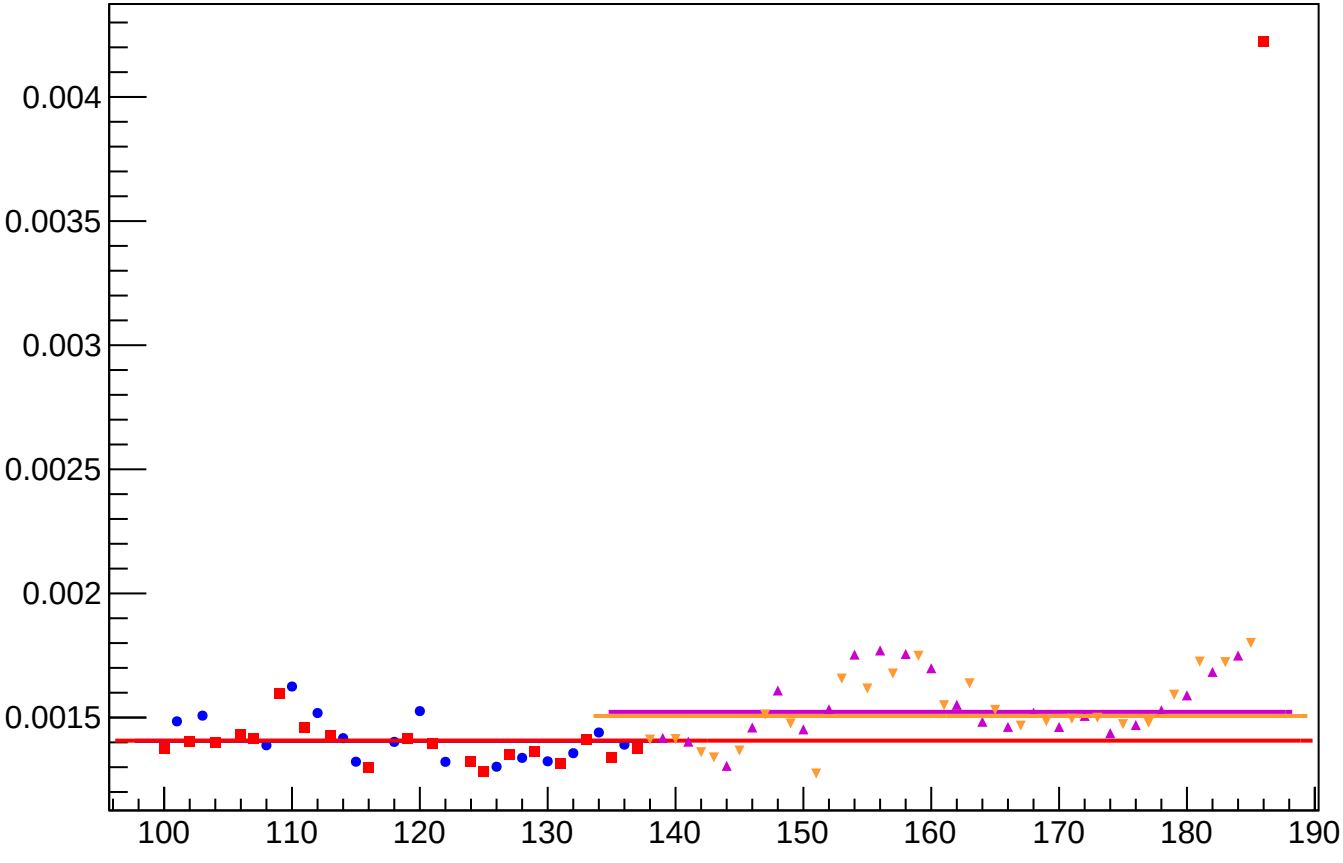
Right: 0.213+/-0.000 χ^2/NDF: 45669318322.0/35

In: 0.359+/-0.000 χ^2/NDF:274490954600.3/38

Out: 0.359+/-0.000 χ^2/NDF:309781831167.5/44

All: 0.359+/-0.000 χ^2/NDF: 584273088451.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

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

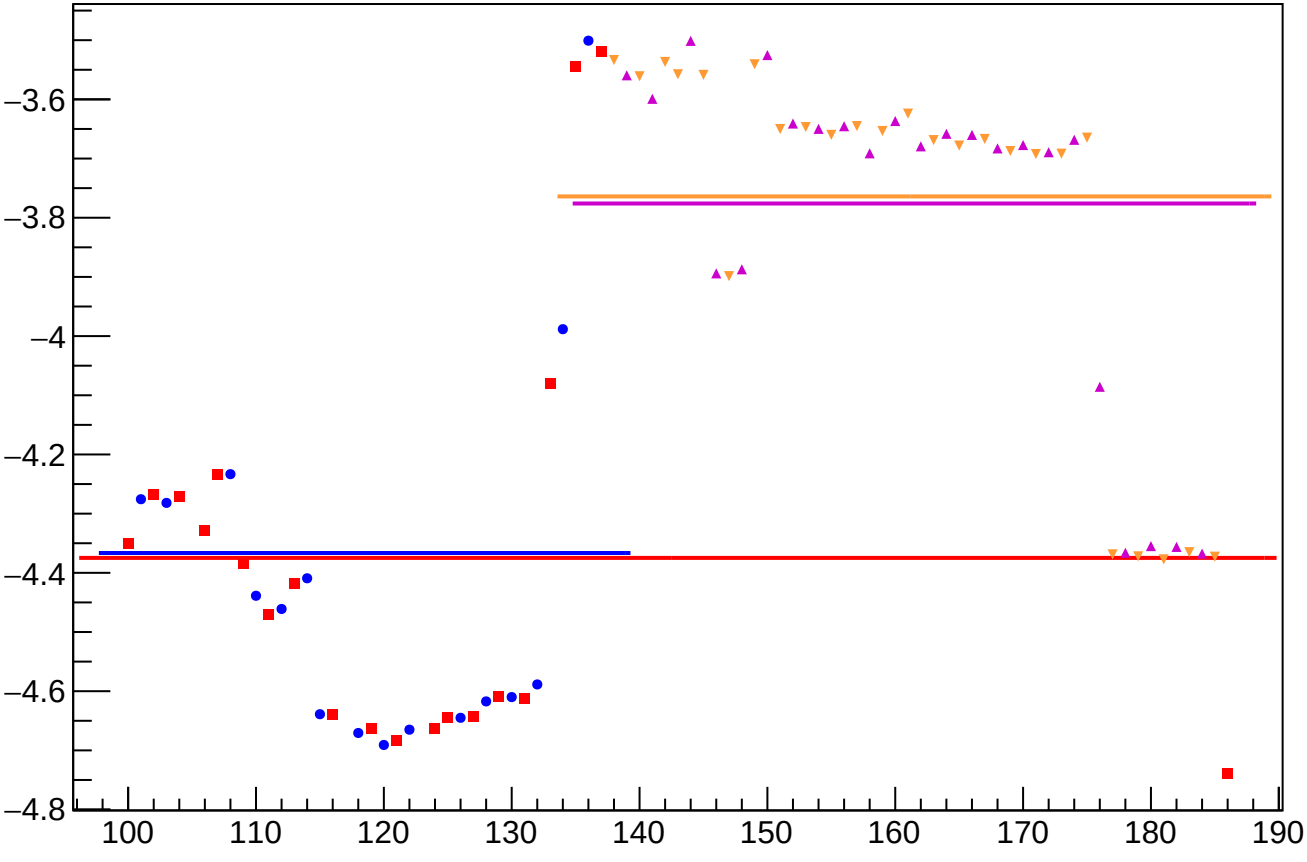
Right: 0.001+/-0.000 χ^2/NDF: 445139.4/35

In: 0.001+/-0.000 χ^2/NDF:348641.2/38

Out: 0.001+/-0.000 χ^2/NDF:727589.1/44

All: 0.001+/-0.000 χ^2/NDF: 1077736.6/83

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

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

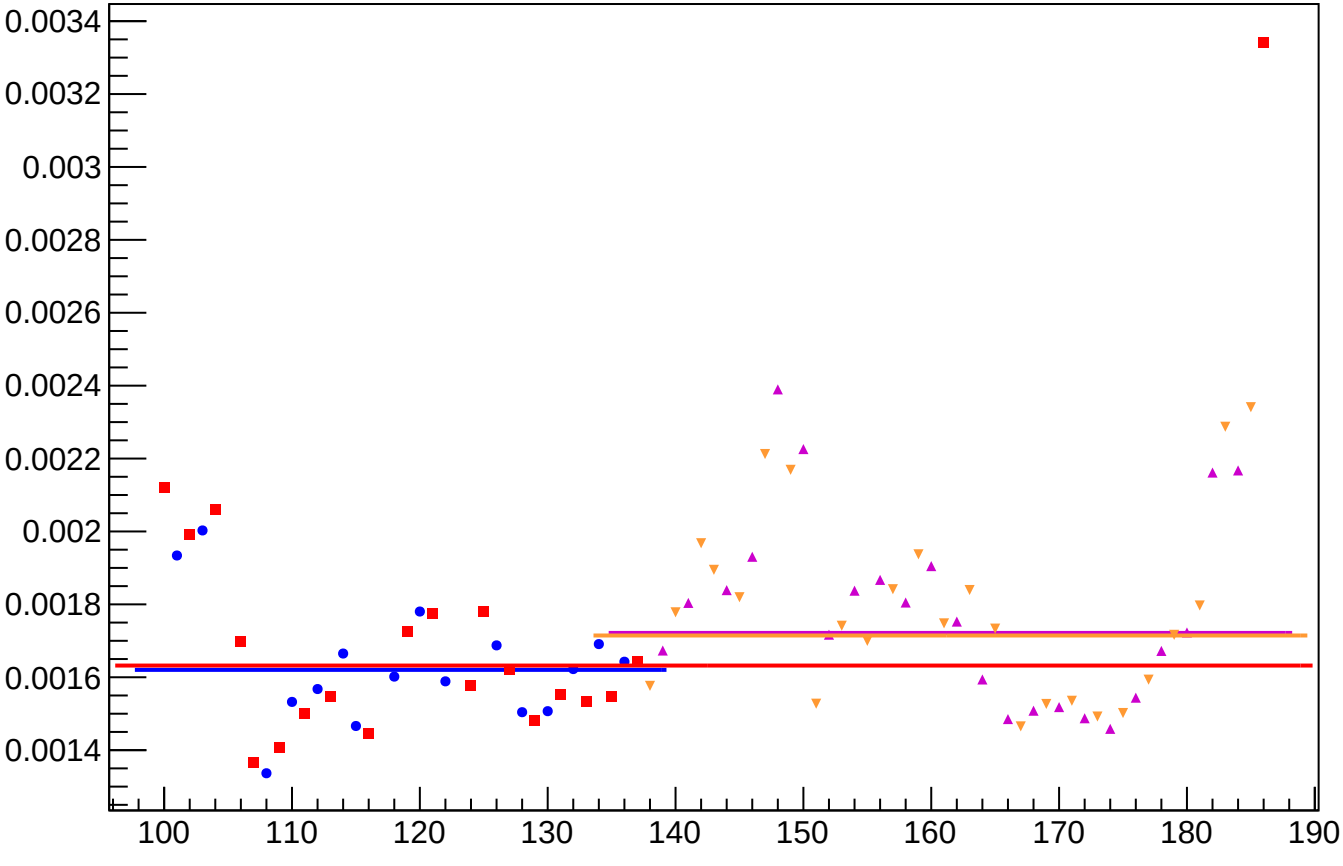
Right: -4.371+/-0.000 χ^2/NDF: 654121221063.8/35

In: -3.957+/-0.000 χ^2/NDF:1389078453686.5/38

Out: -3.951+/-0.000 χ^2/NDF:1504873067412.4/44

All: -3.954+/-0.000 χ^2/NDF: 2894103519007

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF: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

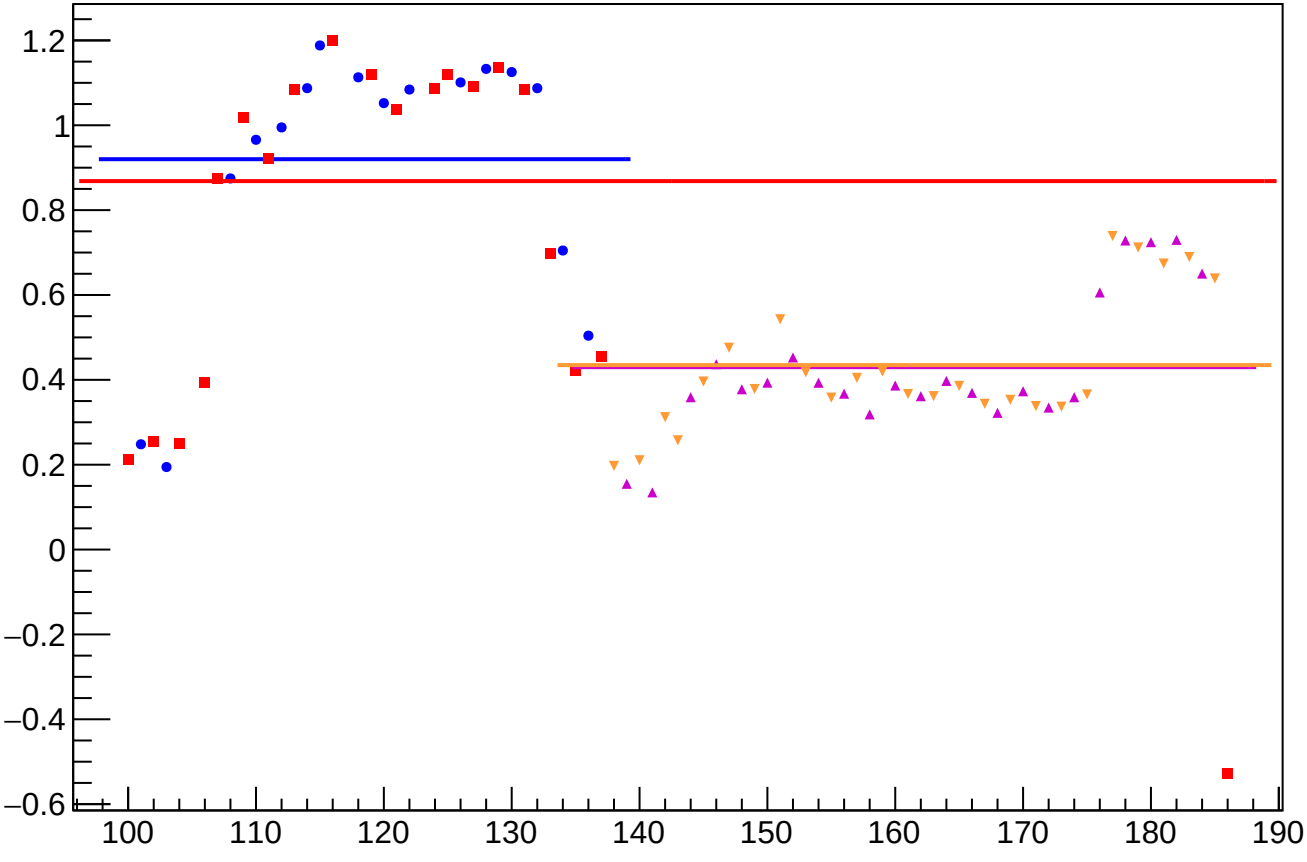
Right: 0.002+/-0.000 χ^2/NDF: 540151.1/35

In: 0.002+/-0.000 χ^2/NDF:759429.8/38

Out: 0.002+/-0.000 χ^2/NDF:988166.9/44

All: 0.002+/-0.000 χ^2/NDF: 1747610.1/83

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

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

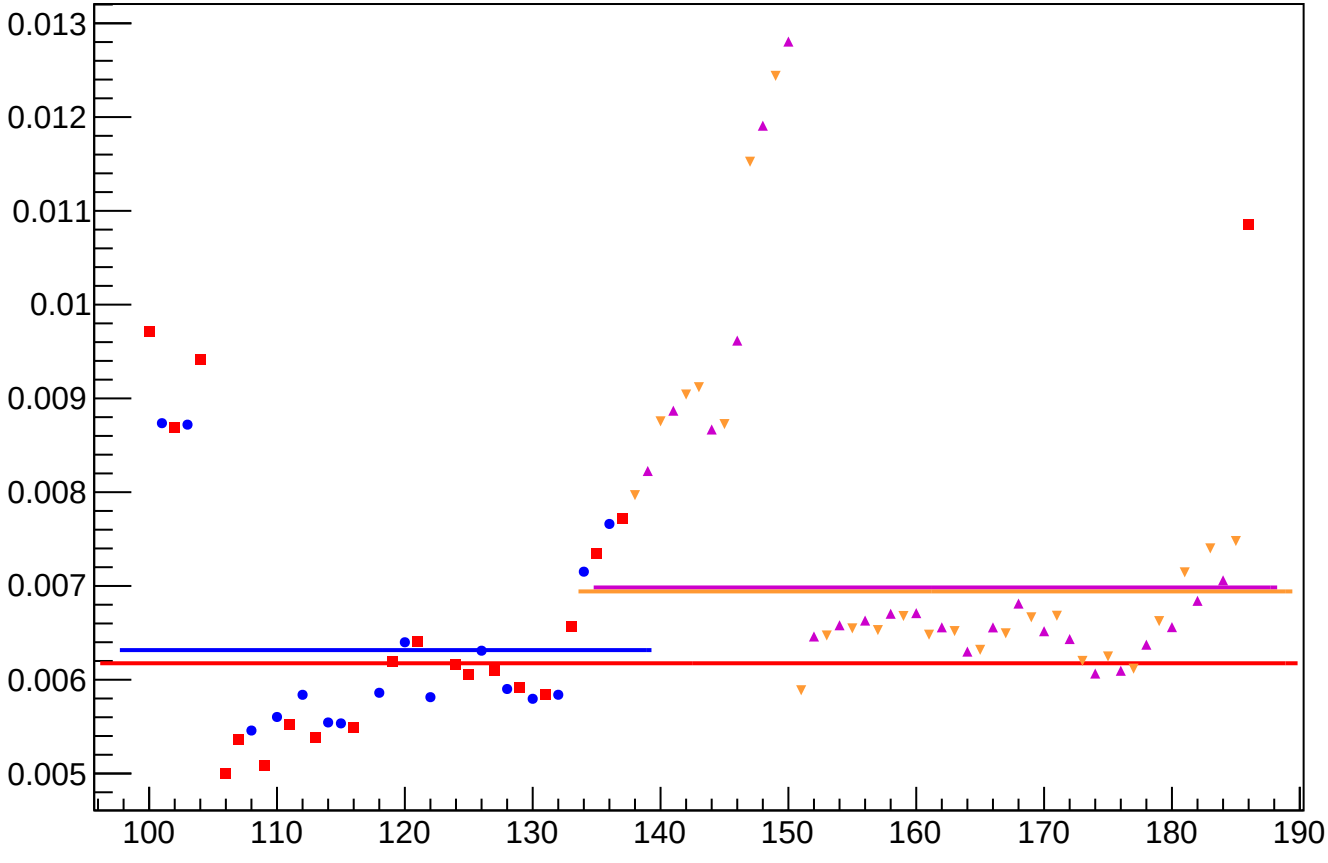
Right: 0.893+/-0.000 χ^2/NDF: 39292413961.1/35

In: 0.590+/-0.000 χ^2/NDF:52035963272.3/38

Out: 0.582+/-0.000 χ^2/NDF:57713965760.3/44

All: 0.586+/-0.000 χ^2/NDF: 109769334719.3

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

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

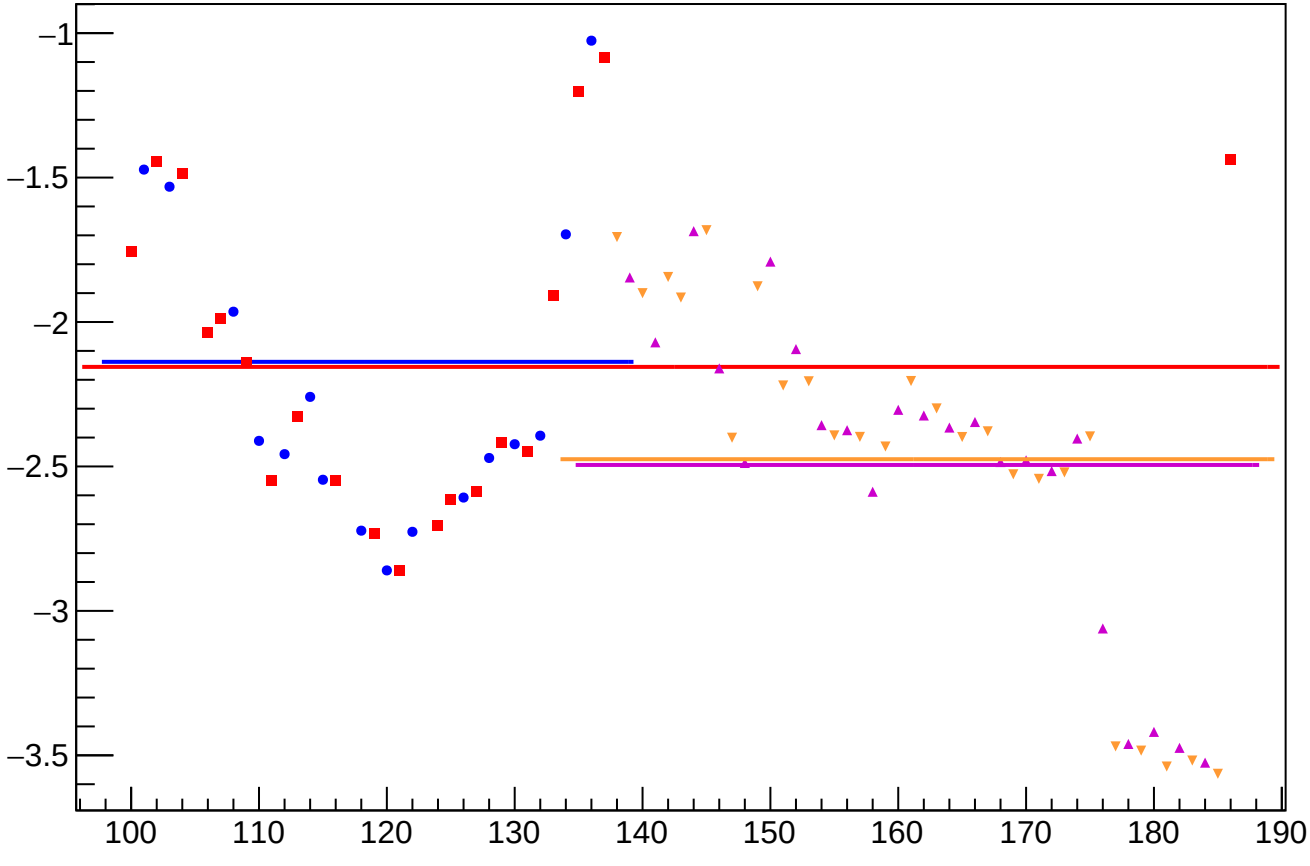
Right: 0.006+/-0.000 χ^2/NDF: 928858.6/35

In: 0.007+/-0.000 χ^2/NDF:1577778.7/38

Out: 0.007+/-0.000 χ^2/NDF:1834683.0/44

All: 0.007+/-0.000 χ^2/NDF: 3416378.0/83

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

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

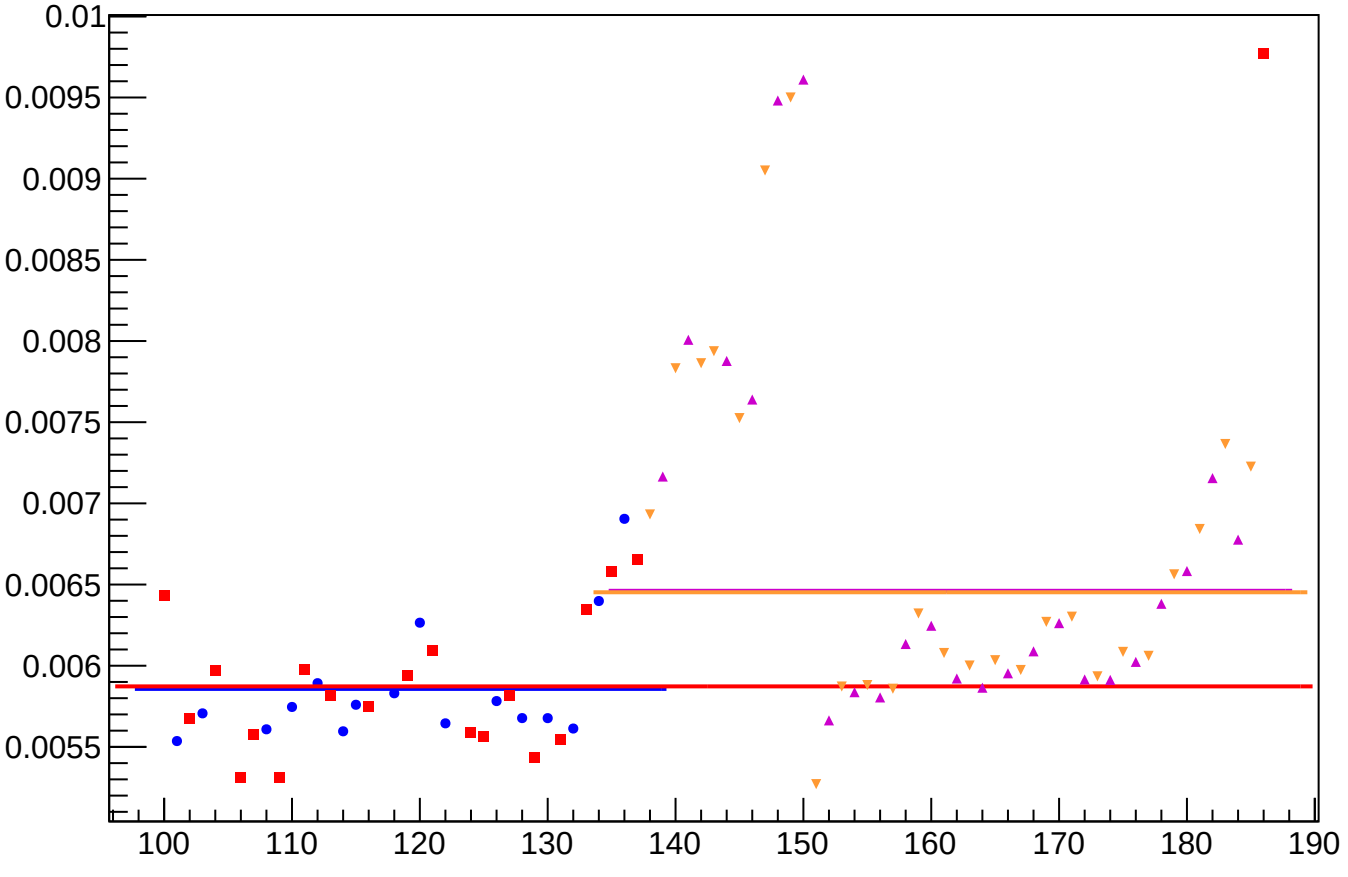
Right: -2.147+/-0.000 χ^2/NDF: 125366542221.0/35

In: -2.378+/-0.000 χ^2/NDF:180384096095.5/38

Out: -2.369+/-0.000 χ^2/NDF:198045207956.4/44

All: -2.373+/-0.000 χ^2/NDF: 378455436627.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

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

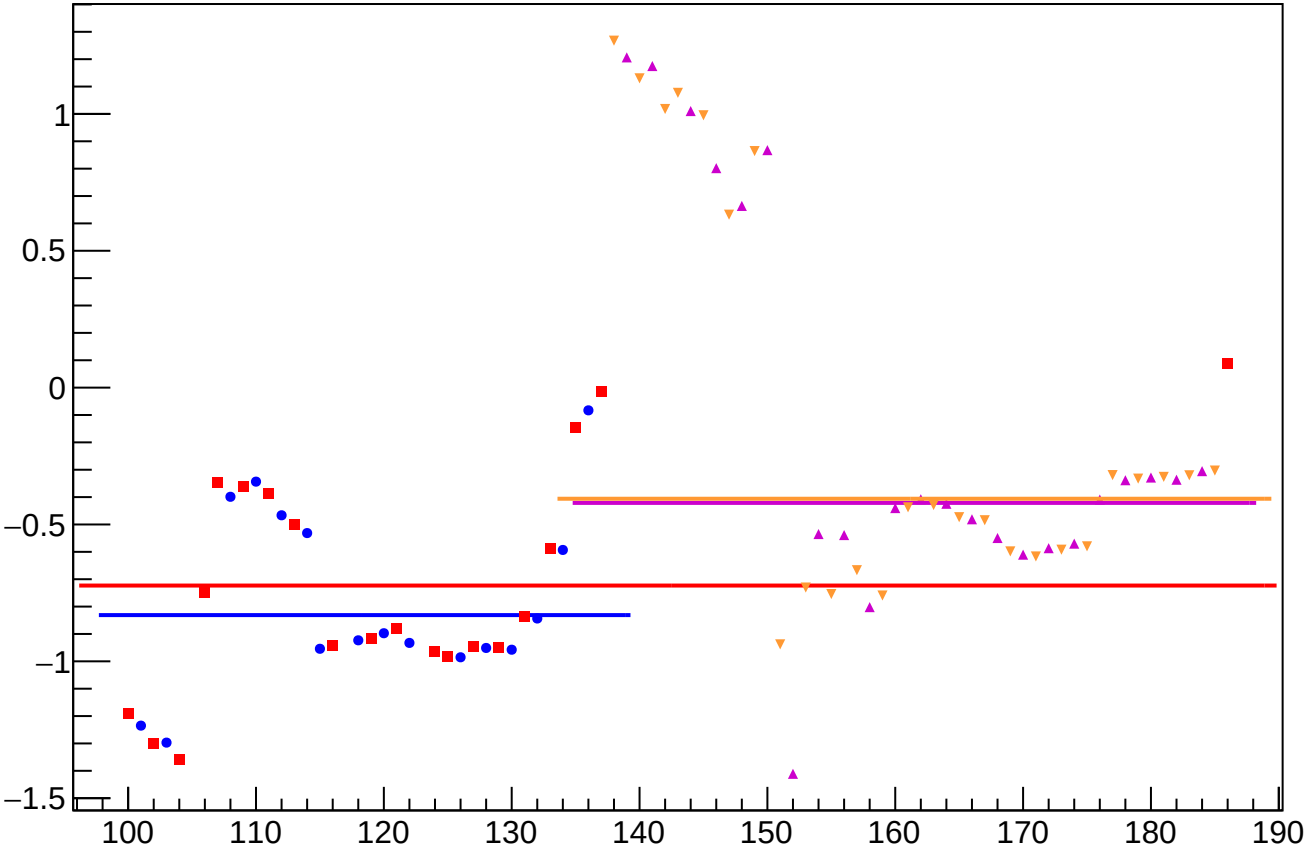
Right: 0.006+/-0.000 χ^2/NDF: 251163.4/35

In: 0.006+/-0.000 χ^2/NDF:885407.0/38

Out: 0.006+/-0.000 χ^2/NDF:1003905.6/44

All: 0.006+/-0.000 χ^2/NDF: 1889319.9/83

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

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

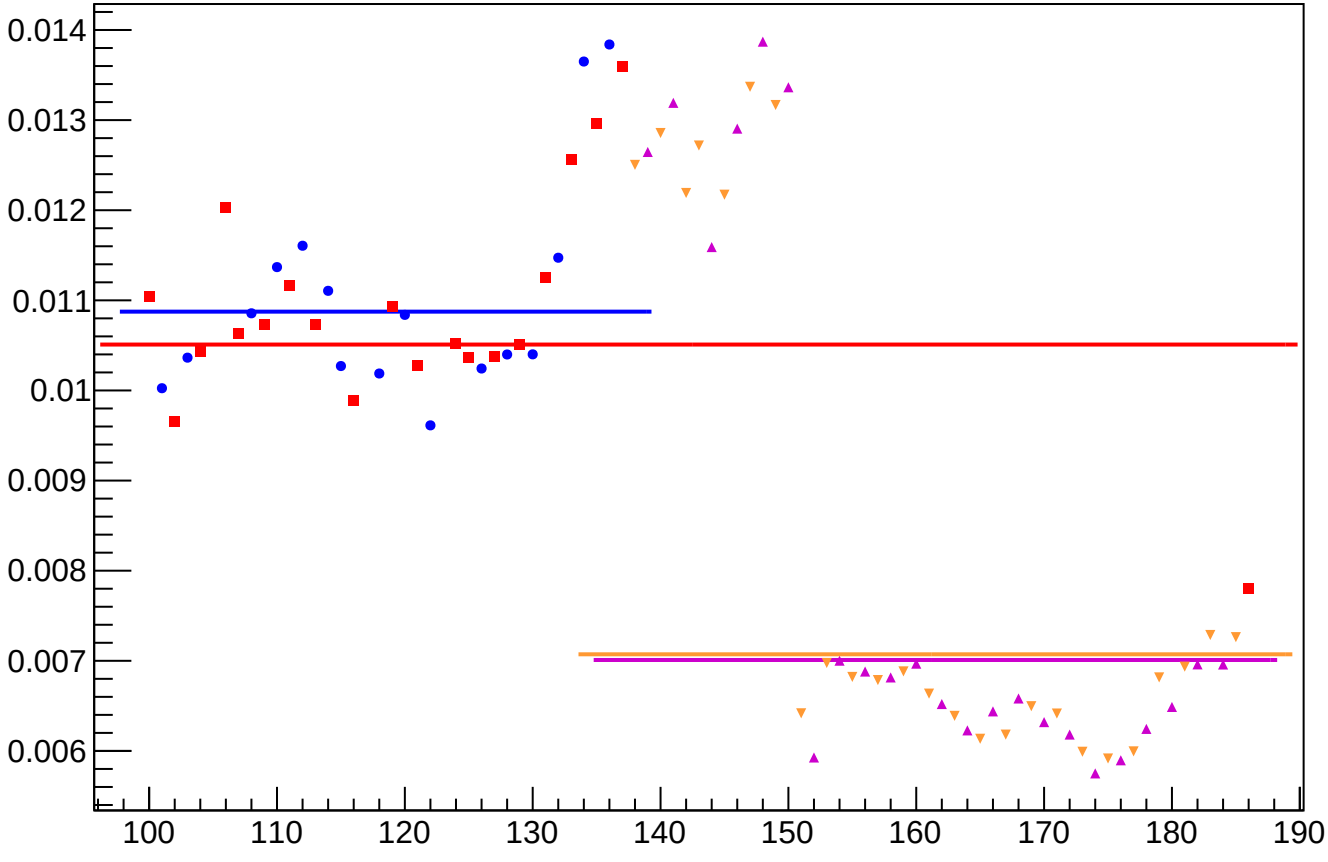
Right: -0.773+/-0.000 χ^2/NDF: 20404847897.7/35

In: -0.482+/-0.000 χ^2/NDF:105868205825.0/38

Out: -0.457+/-0.000 χ^2/NDF:100338668361.5/44

All: -0.469+/-0.000 χ^2/NDF: 206332981020.5

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

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

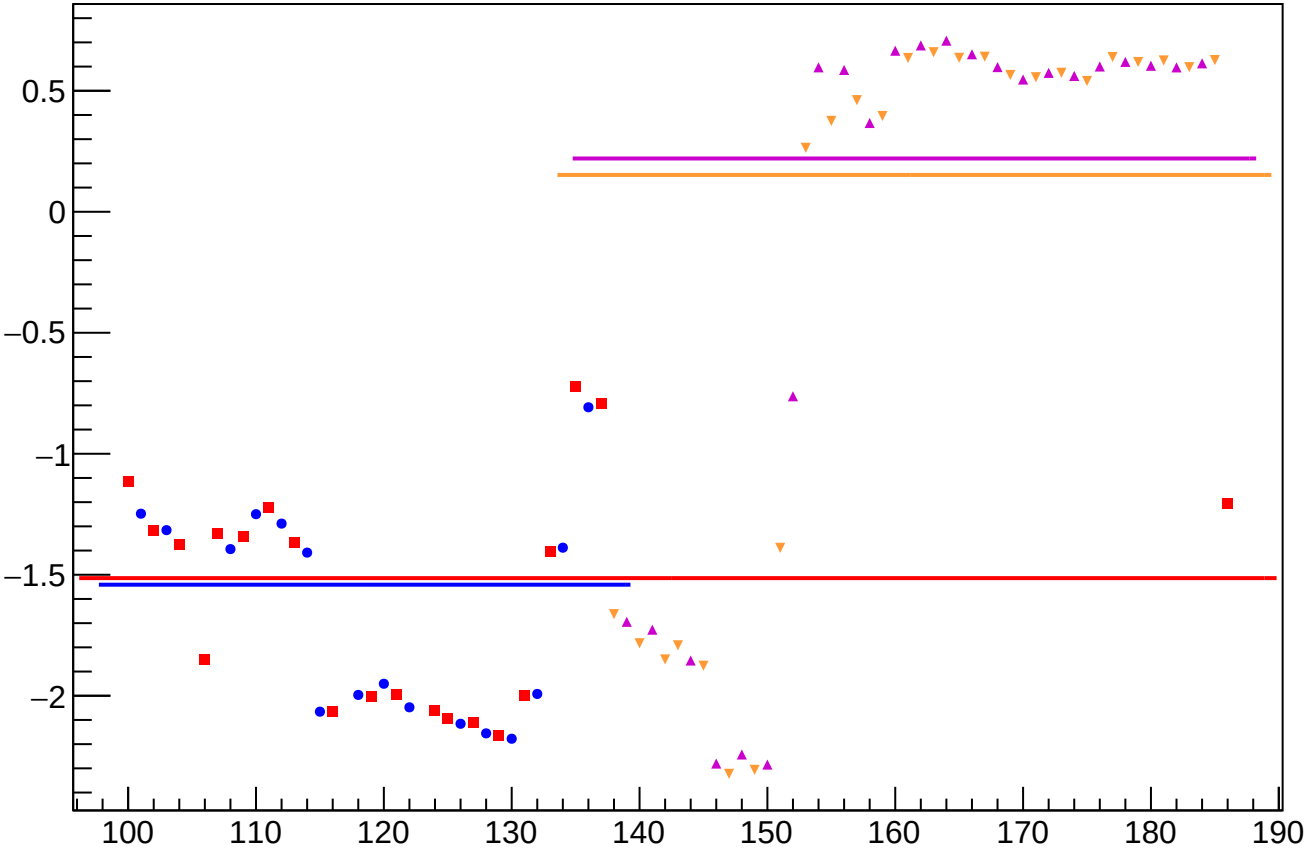
Right: 0.011+/-0.000 χ^2/NDF: 371637.3/35

In: 0.008+/-0.000 χ^2/NDF:4128189.7/38

Out: 0.008+/-0.000 χ^2/NDF:3948207.3/44

All: 0.008+/-0.000 χ^2/NDF: 8077249.3/83

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

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

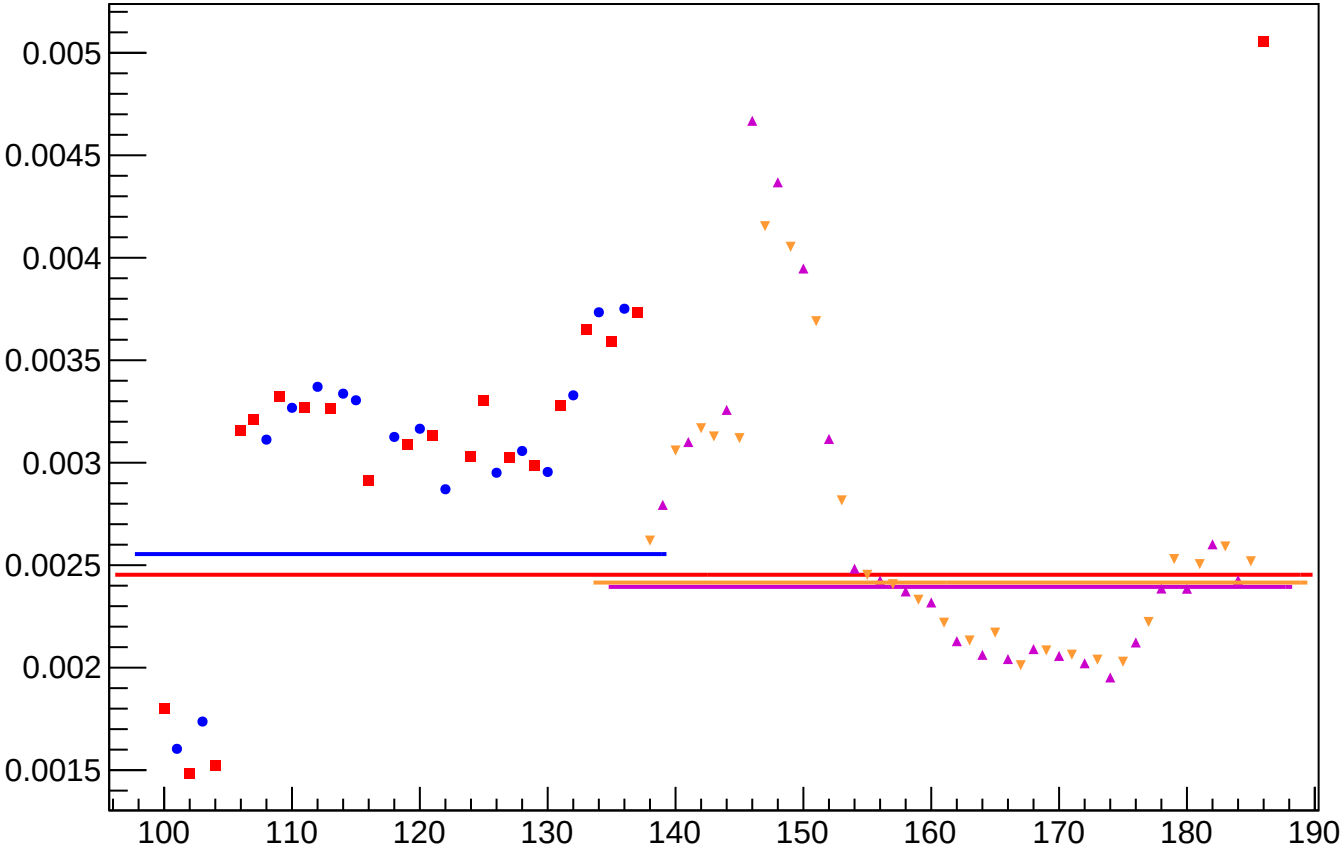
Right: -1.527+/-0.000 χ^2/NDF: 309335665166.1/35

In: -0.220+/-0.000 χ^2/NDF:4445310376684.8/38

Out: -0.282+/-0.000 χ^2/NDF:4664116315449.7/44

All: -0.252+/-0.000 χ^2/NDF: 911690939628

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

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

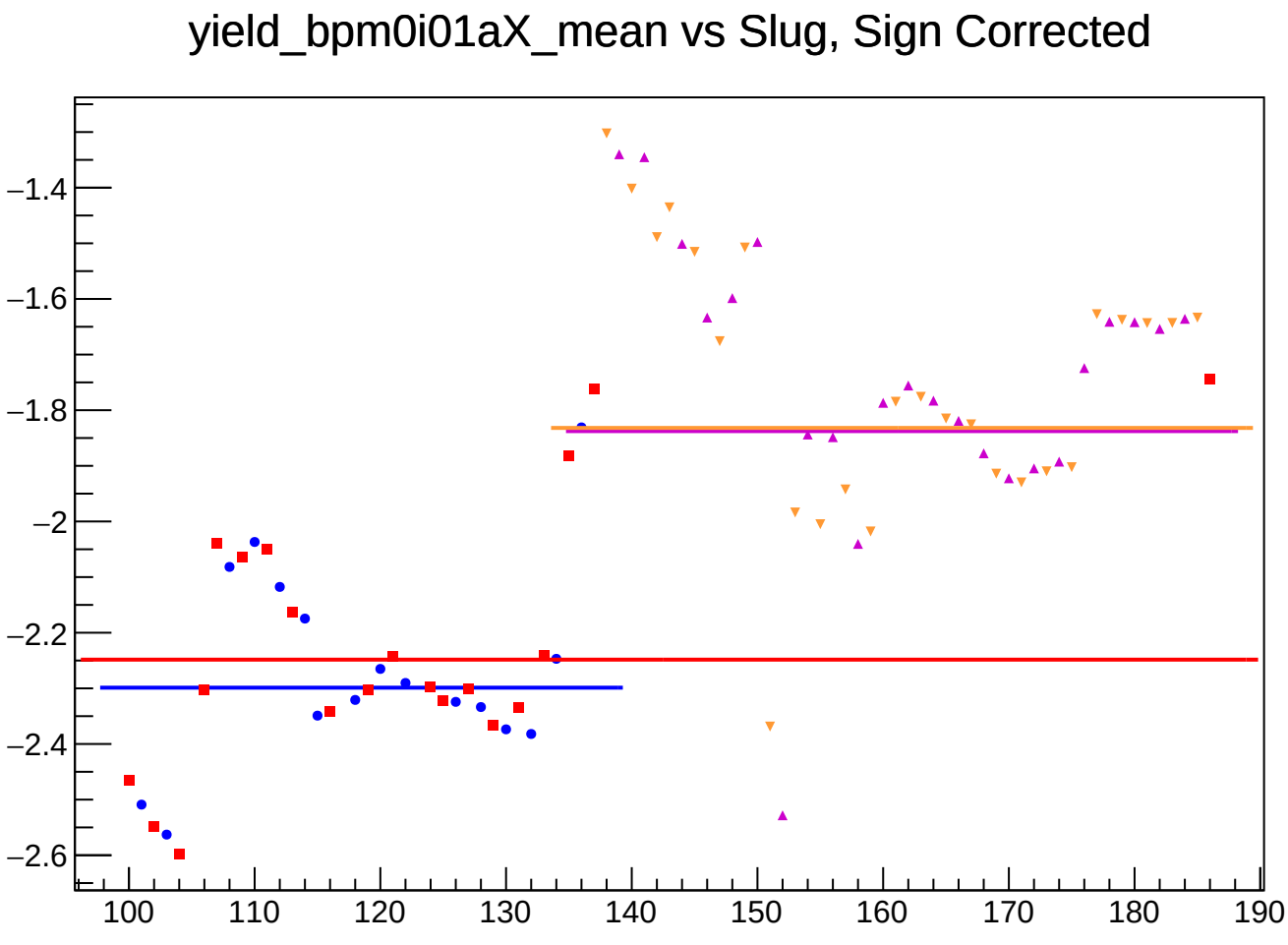
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 2941930.1/35

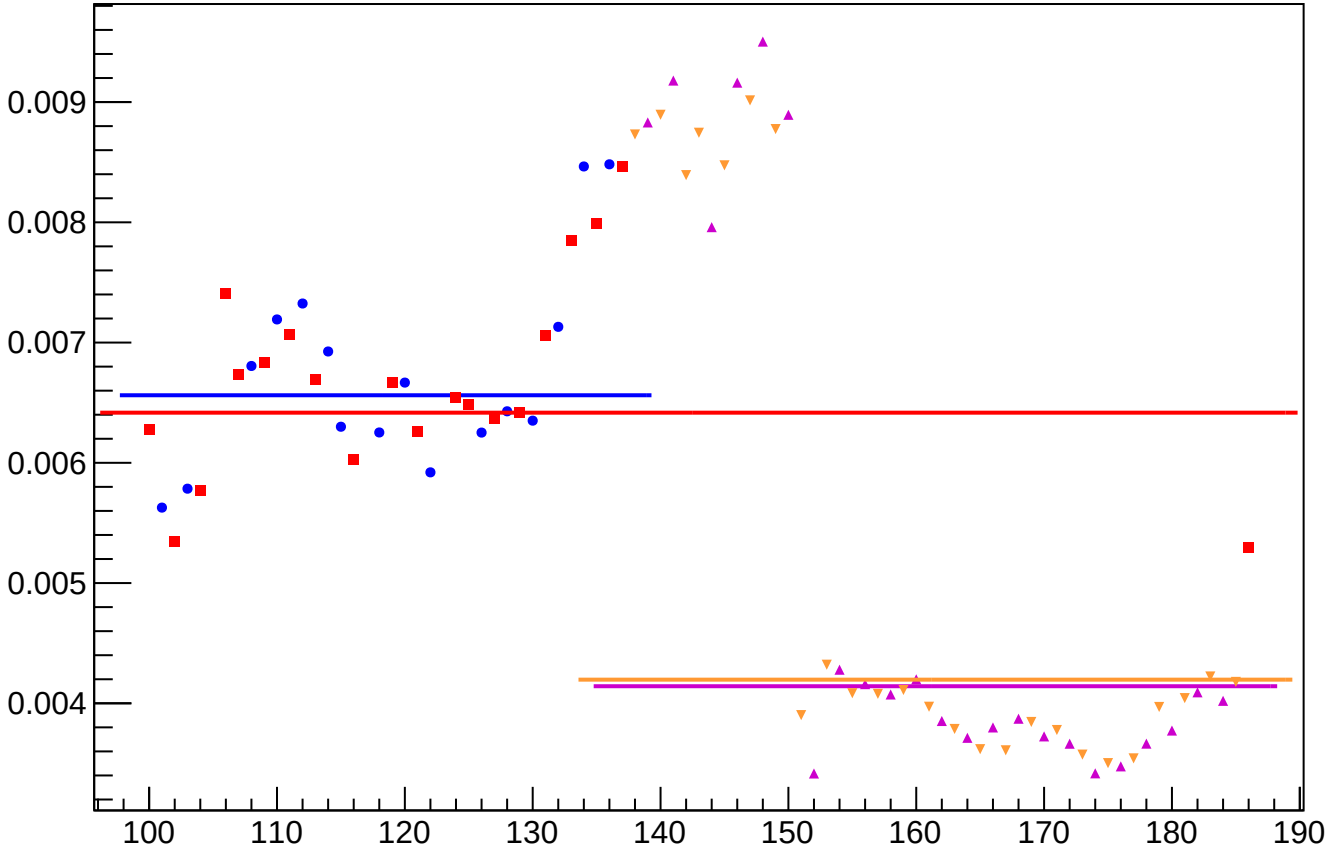
In: 0.002+/-0.000 χ^2/NDF:2617749.8/38

Out: 0.002+/-0.000 χ^2/NDF:2982176.9/44

All: 0.002+/-0.000 χ^2/NDF: 5600234.6/83


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: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
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: -2.272+/-0.000 χ²/NDF: 17112843209.4/35
In: -1.905+/-0.000 χ²/NDF:88764657542.4/38
Out: -1.897+/-0.000 χ²/NDF:75702170257.9/44
All: -1.901+/-0.000 χ²/NDF: 164499851876.0

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

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

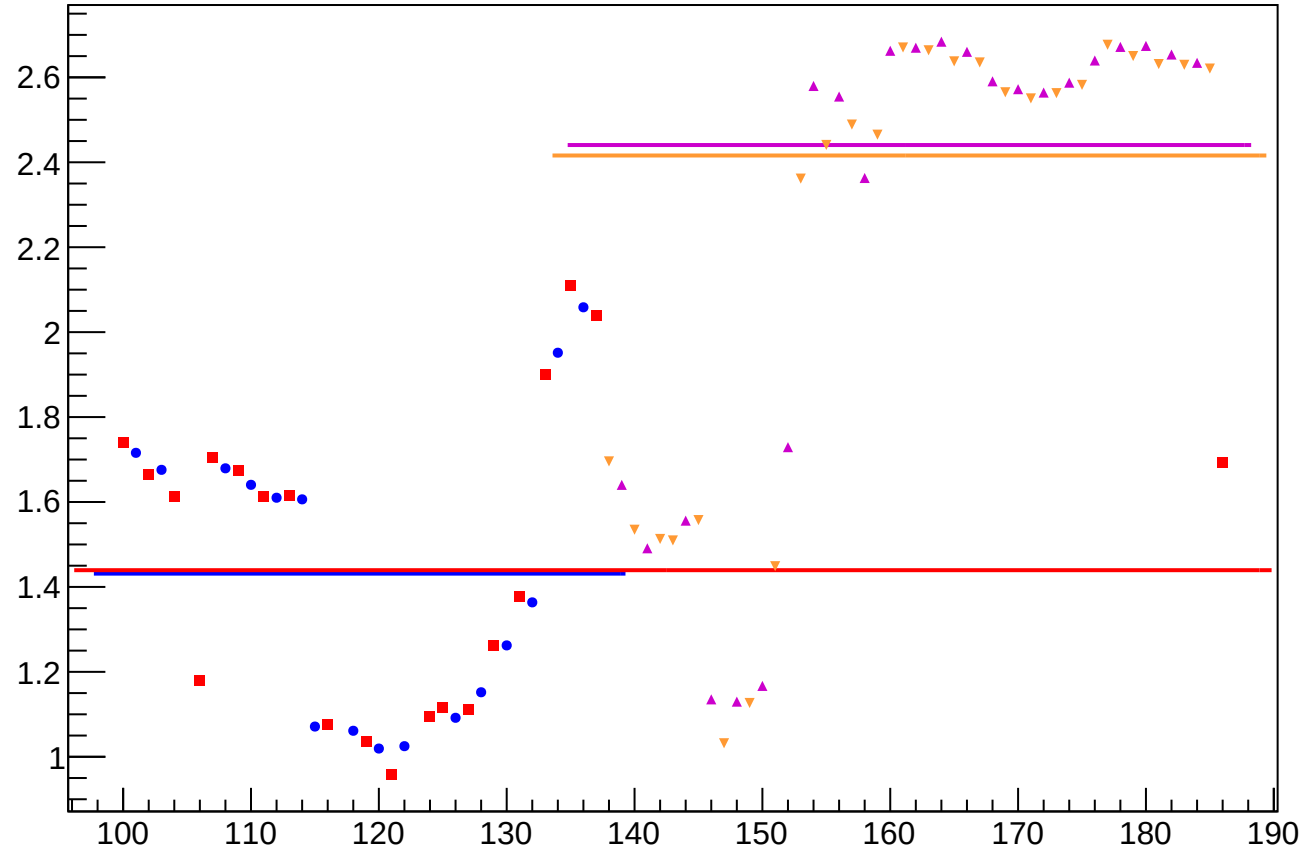
Right: 0.006+/-0.000 χ^2/NDF: 449040.6/35

In: 0.004+/-0.000 χ^2/NDF:5023517.0/38

Out: 0.005+/-0.000 χ^2/NDF:4824998.2/44

All: 0.005+/-0.000 χ^2/NDF: 9851342.5/83

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

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

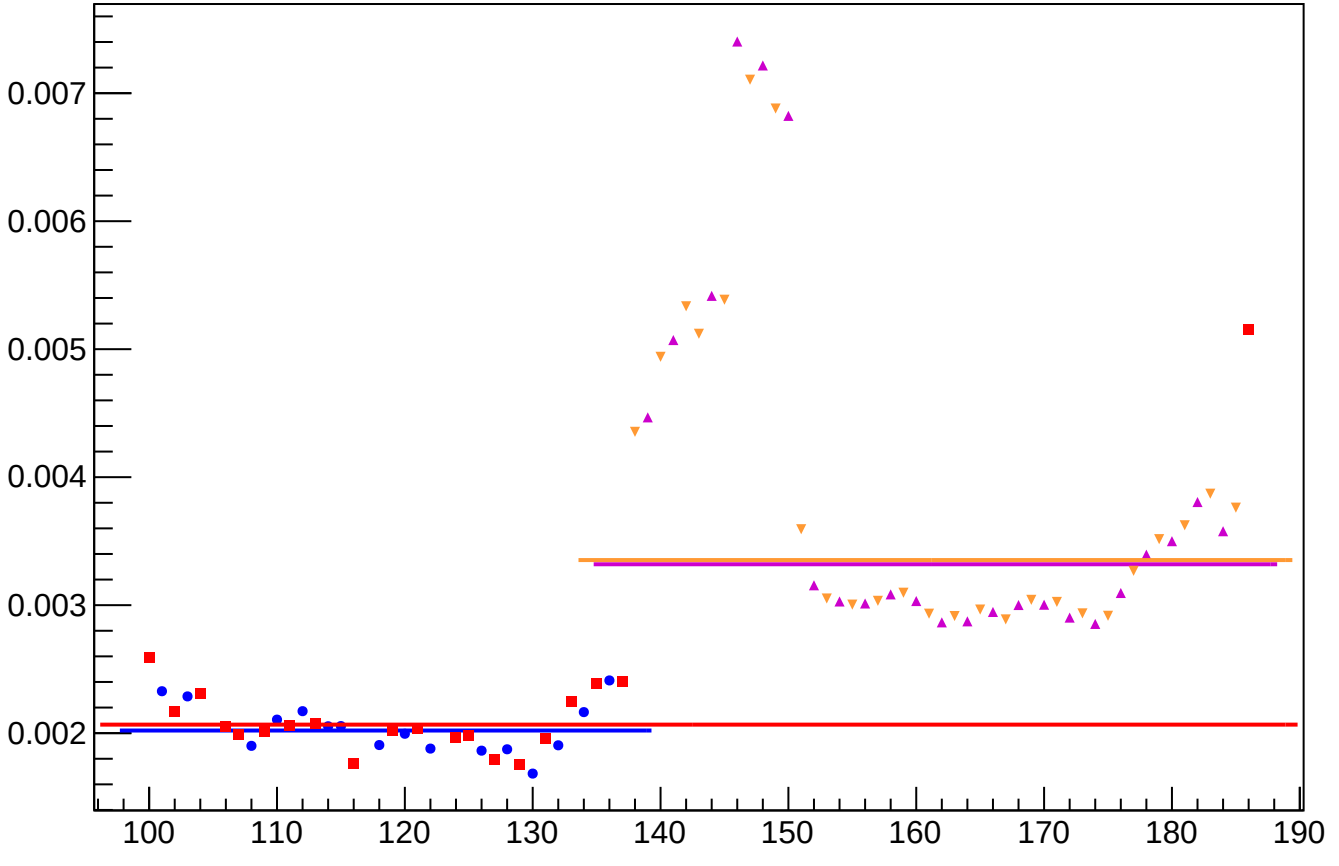
Right: 1.435+/-0.000 χ^2/NDF: 372259773074.0/35

In: 1.913+/-0.000 χ^2/NDF:1210663053627.3/38

Out: 1.913+/-0.000 χ^2/NDF:1188086218369.1/44

All: 1.913+/-0.000 χ^2/NDF: 2398749979505.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

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

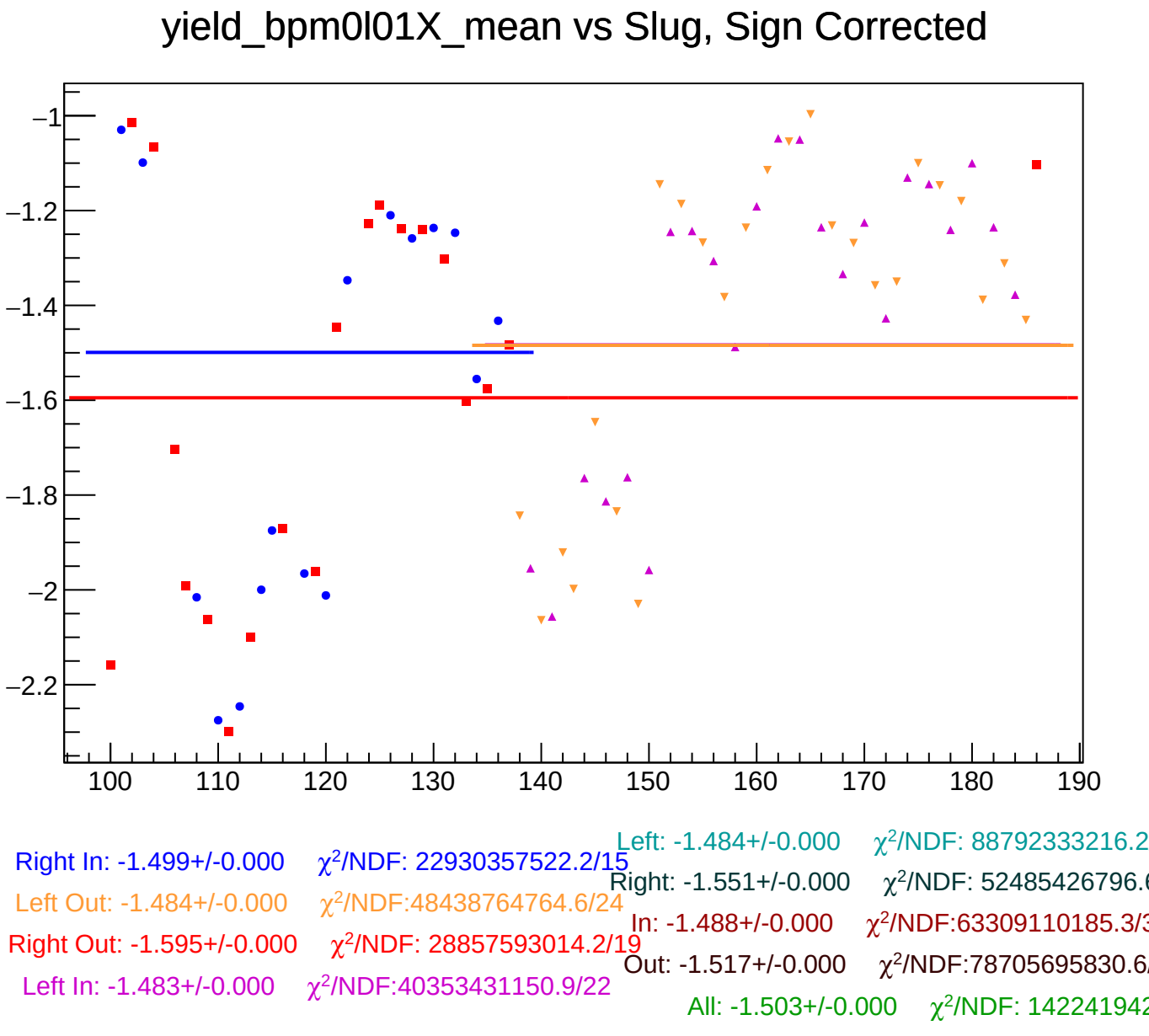
Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

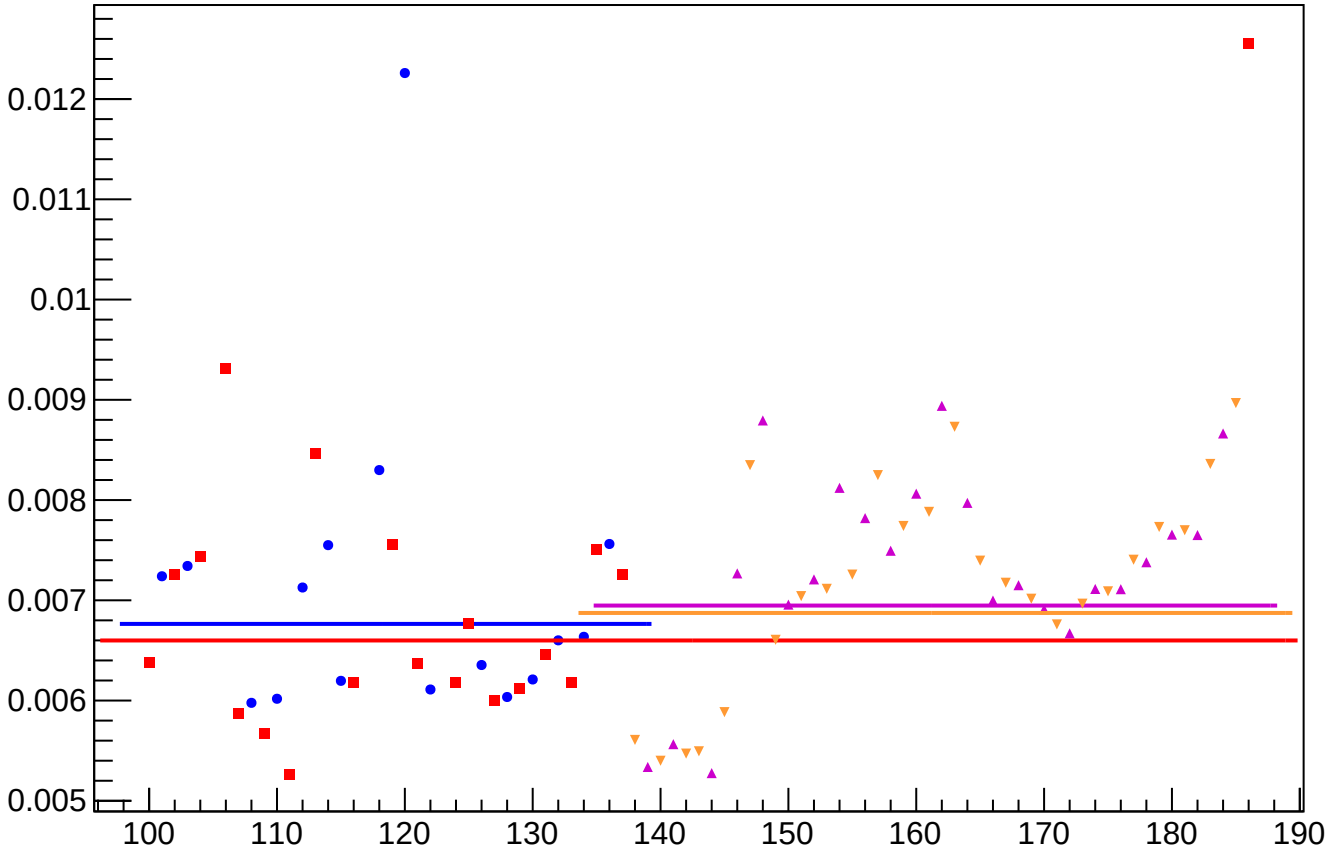
Right: 0.002+/-0.000 χ^2/NDF: 568589.6/35

In: 0.003+/-0.000 χ^2/NDF:4826936.5/38

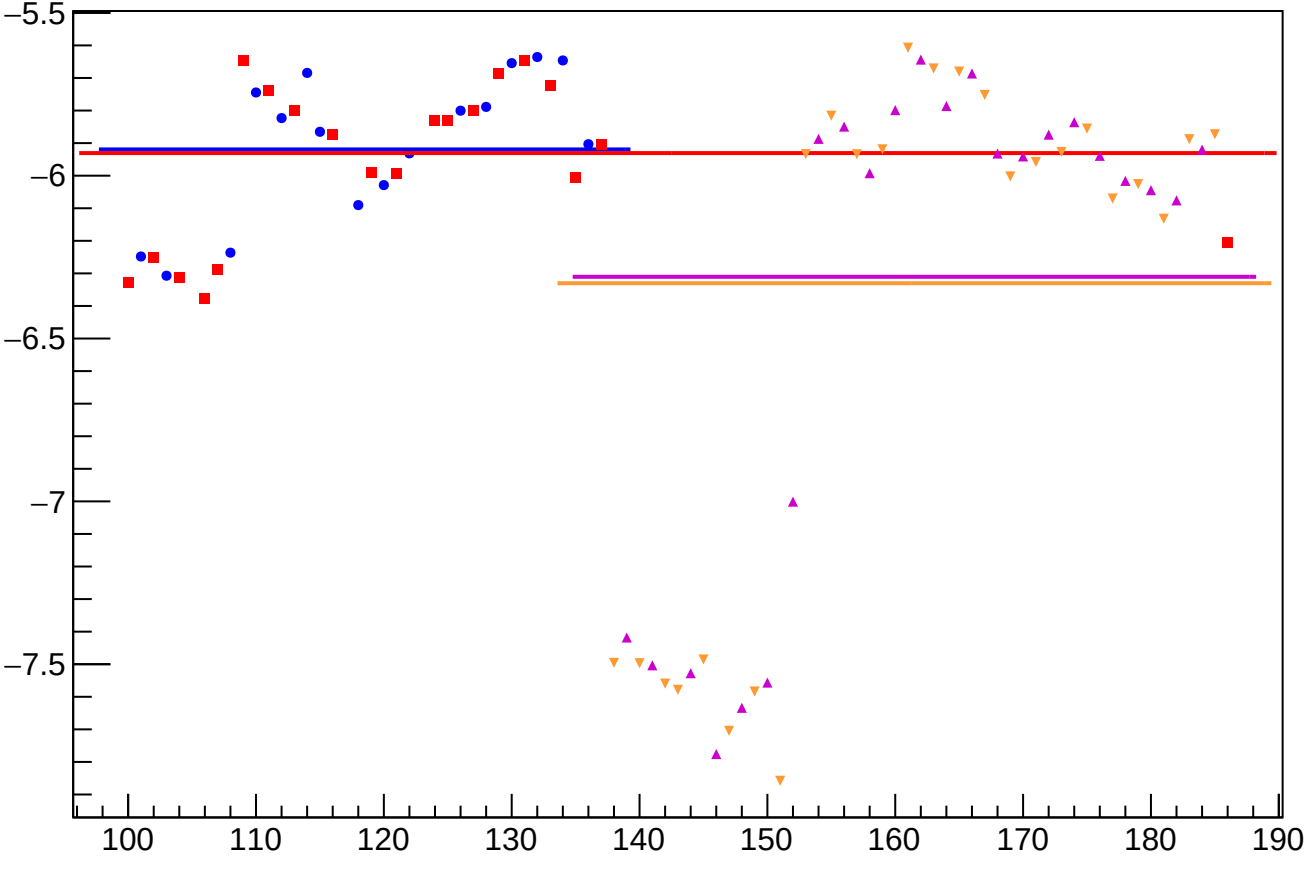
Out: 0.003+/-0.000 χ^2/NDF:4872047.7/44

All: 0.003+/-0.000 χ^2/NDF: 9707022.4/83


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
190
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
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: -1.551+/-0.000 χ²/NDF: 52485426796.6/35
In: -1.488+/-0.000 χ²/NDF:63309110185.3/38
Out: -1.517+/-0.000 χ²/NDF:78705695830.6/44
All: -1.503+/-0.000 χ²/NDF: 142241942214.4


yield_bpm0l01X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 238566.1/15
Left Out: 0.007+/-0.000 χ²/NDF:745531.3/24
Right Out: 0.007+/-0.000 χ²/NDF: 402275.7/19
Left In: 0.007+/-0.000 χ²/NDF:746731.6/22
Left: 0.007+/-0.000 χ²/NDF: 1494256.2/47
Right: 0.007+/-0.000 χ²/NDF: 644997.3/35
In: 0.007+/-0.000 χ²/NDF:992071.2/38
Out: 0.007+/-0.000 χ²/NDF:1165151.5/44
All: 0.007+/-0.000 χ²/NDF: 2162804.8/83

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

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

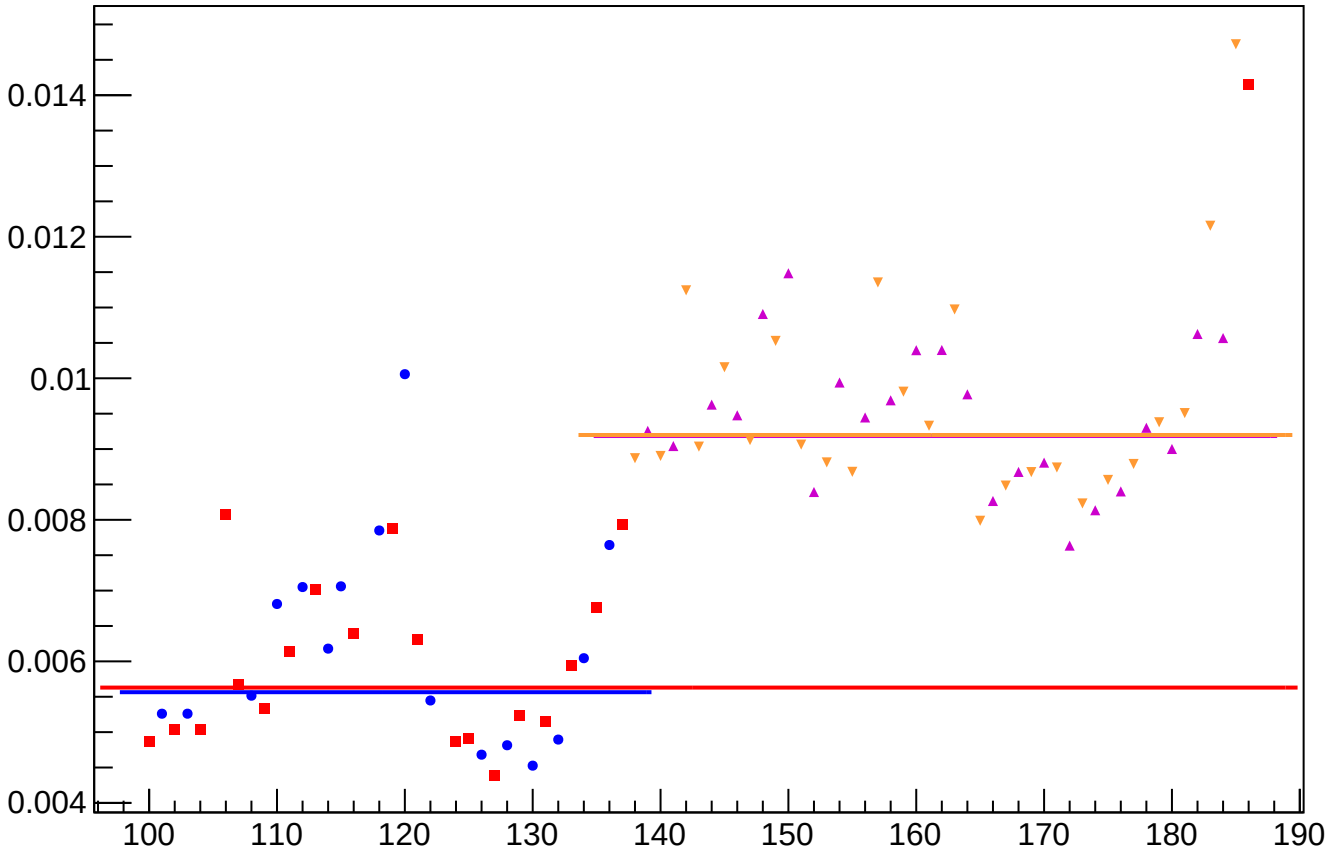
Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

Right: -5.925+/-0.000 χ^2/NDF: 24541874193.0/35

In: -6.107+/-0.000 χ^2/NDF:117963722765.7/38

Out: -6.120+/-0.000 χ^2/NDF:139171689599.6/44

All: -6.113+/-0.000 χ^2/NDF: 257166783446.1



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

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

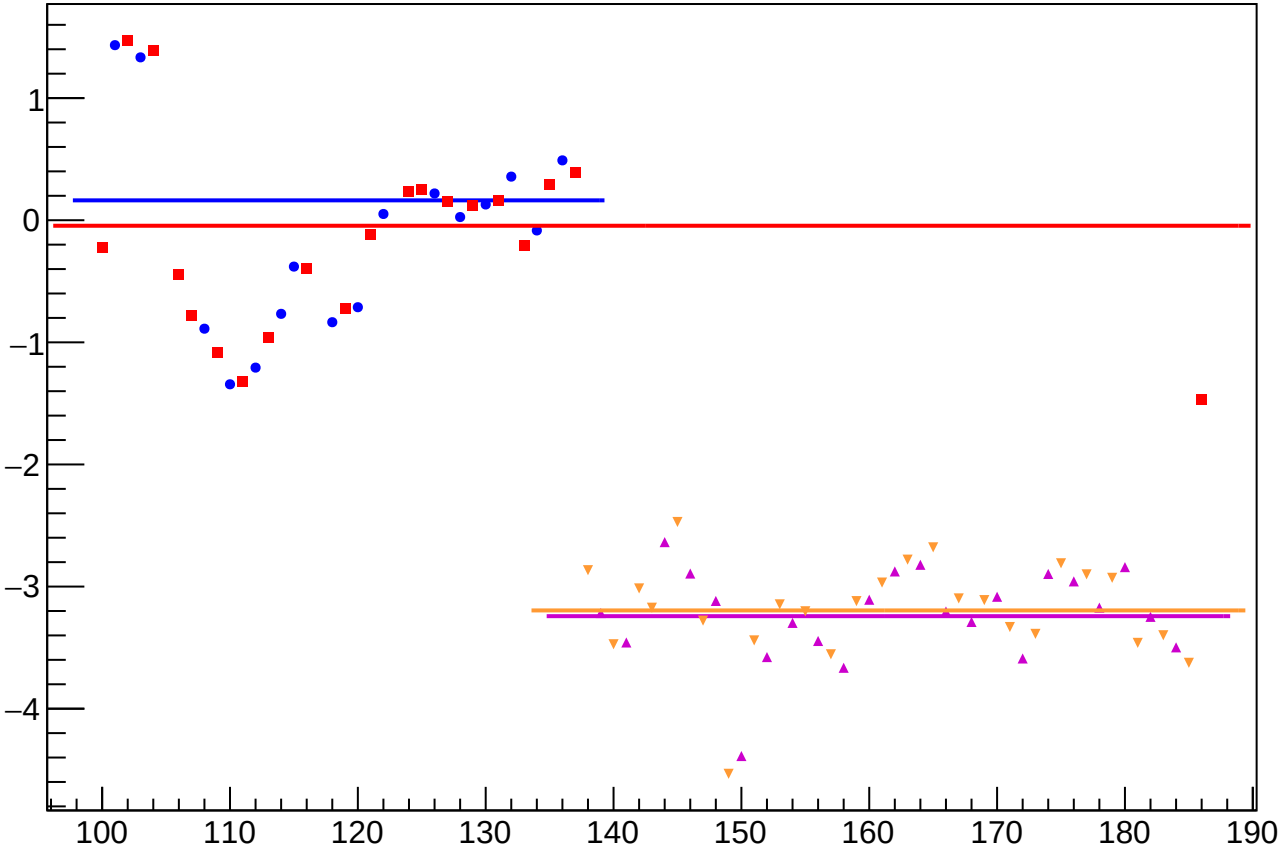
Right: 0.006+/-0.000 χ^2/NDF: 1137744.9/35

In: 0.007+/-0.000 χ^2/NDF:3305435.9/38

Out: 0.007+/-0.000 χ^2/NDF:3569444.5/44

All: 0.007+/-0.000 χ^2/NDF: 6874993.0/83

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

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

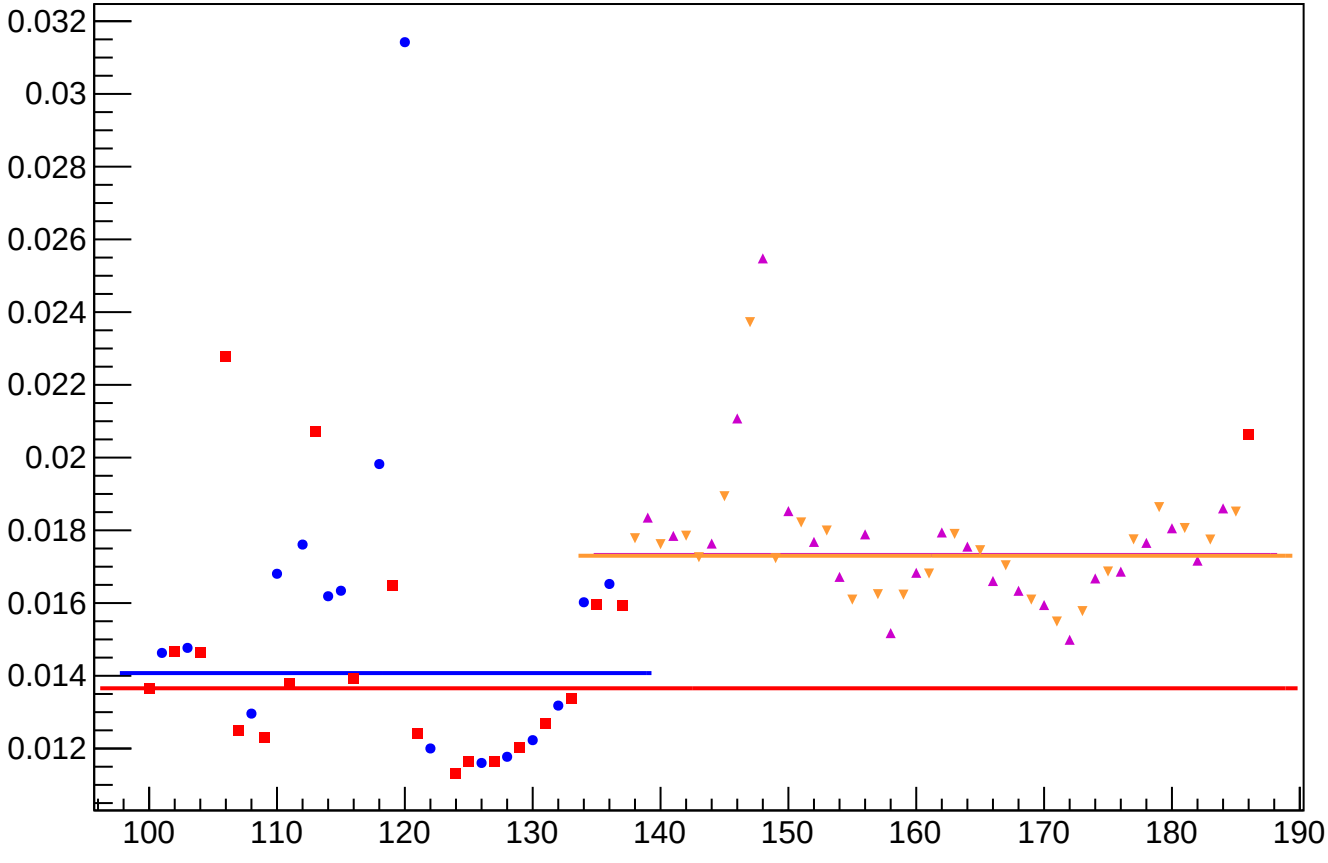
Right: 0.049+/-0.000 χ^2/NDF: 42921180397.6/35

In: -2.041+/-0.000 χ^2/NDF:264786960633.8/38

Out: -1.999+/-0.000 χ^2/NDF:267750736764.8/44

All: -2.019+/-0.000 χ^2/NDF: 532623126556.6

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

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

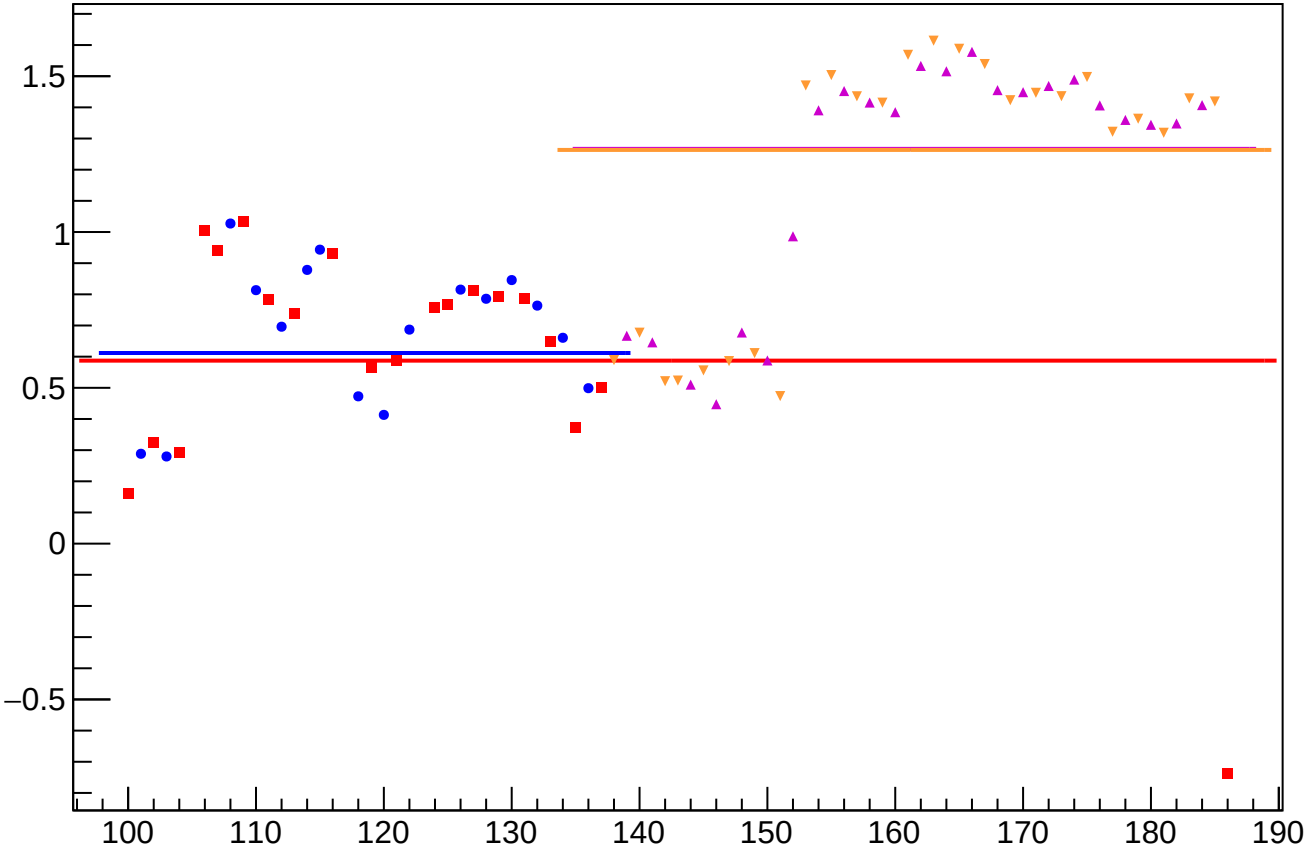
Right: 0.014+/-0.000 χ^2/NDF: 870210.6/35

In: 0.016+/-0.000 χ^2/NDF:1230154.1/38

Out: 0.016+/-0.000 χ^2/NDF:1243210.5/44

All: 0.016+/-0.000 χ^2/NDF: 2479787.0/83

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

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

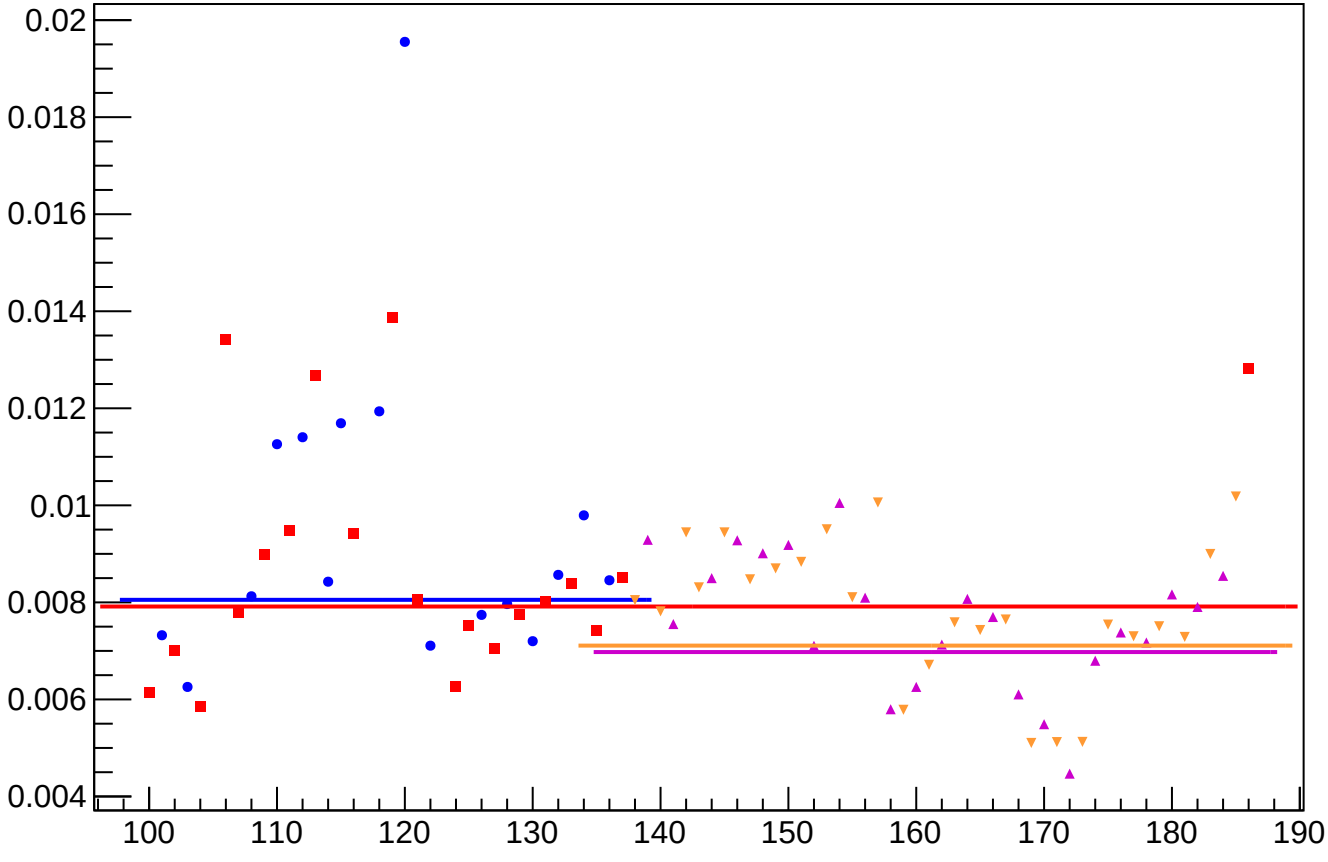
Right: 0.599+/-0.000 χ^2/NDF: 16236646460.5/35

In: 1.122+/-0.000 χ^2/NDF:74852219499.5/38

Out: 1.100+/-0.000 χ^2/NDF:93421368492.3/44

All: 1.111+/-0.000 χ^2/NDF: 168385207403.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

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

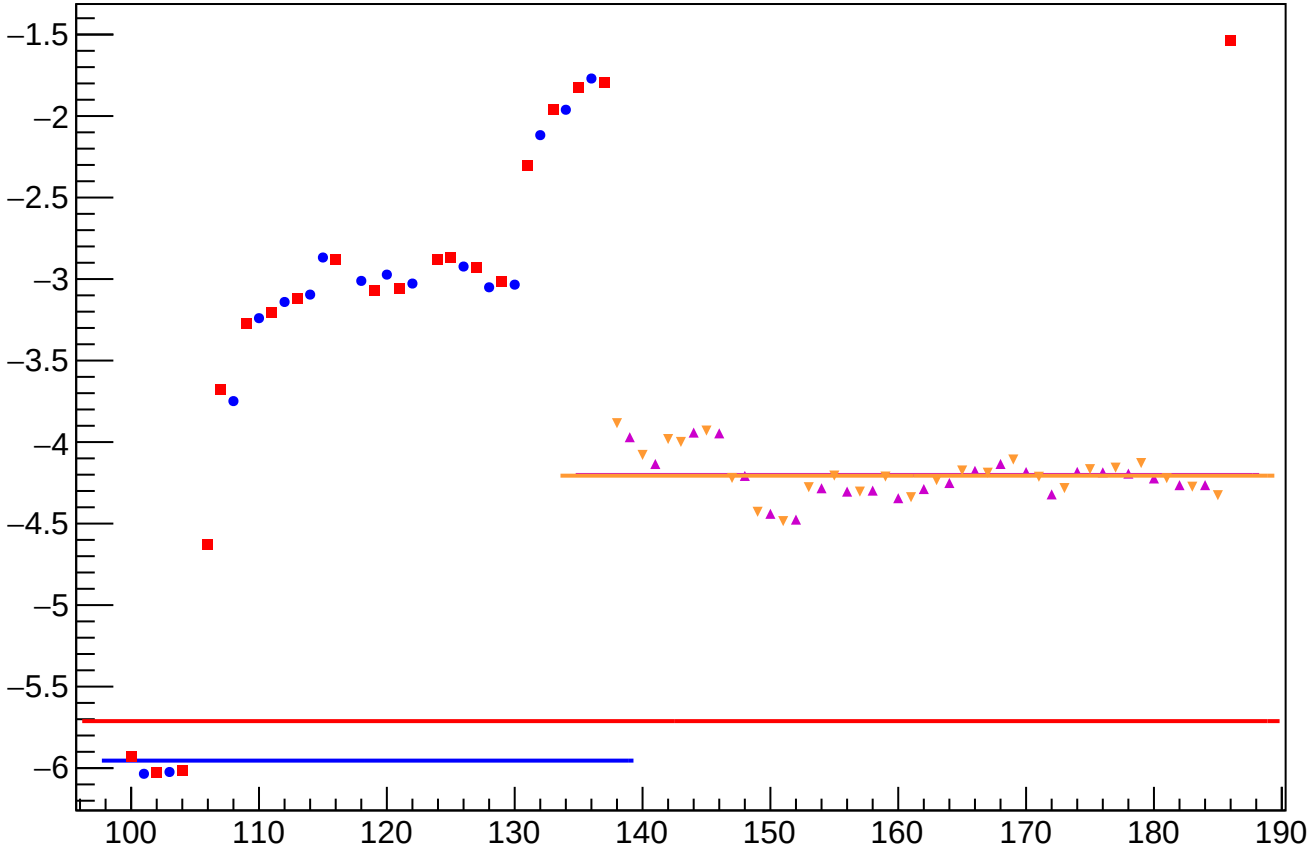
Right: 0.008+/-0.000 χ^2/NDF: 1301359.7/35

In: 0.007+/-0.000 χ^2/NDF:2225966.2/38

Out: 0.007+/-0.000 χ^2/NDF:2326225.1/44

All: 0.007+/-0.000 χ^2/NDF: 4555773.1/83

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

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

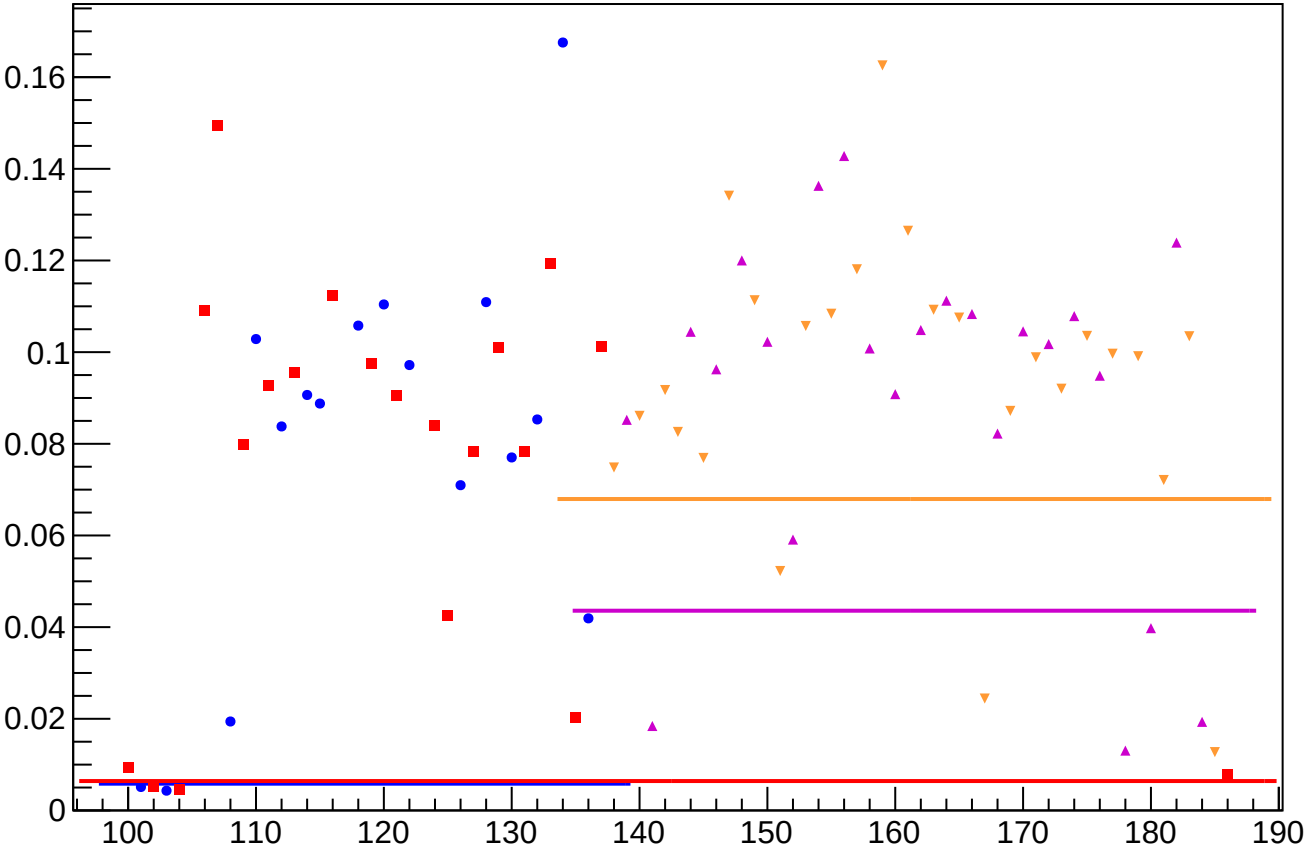
Right: -5.842+/-0.000 χ^2/NDF: 68407293757.4/35

In: -5.825+/-0.000 χ^2/NDF:24782460613.6/38

Out: -5.627+/-0.000 χ^2/NDF:59657882517.5/44

All: -5.734+/-0.000 χ^2/NDF: 85446773195.5/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

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

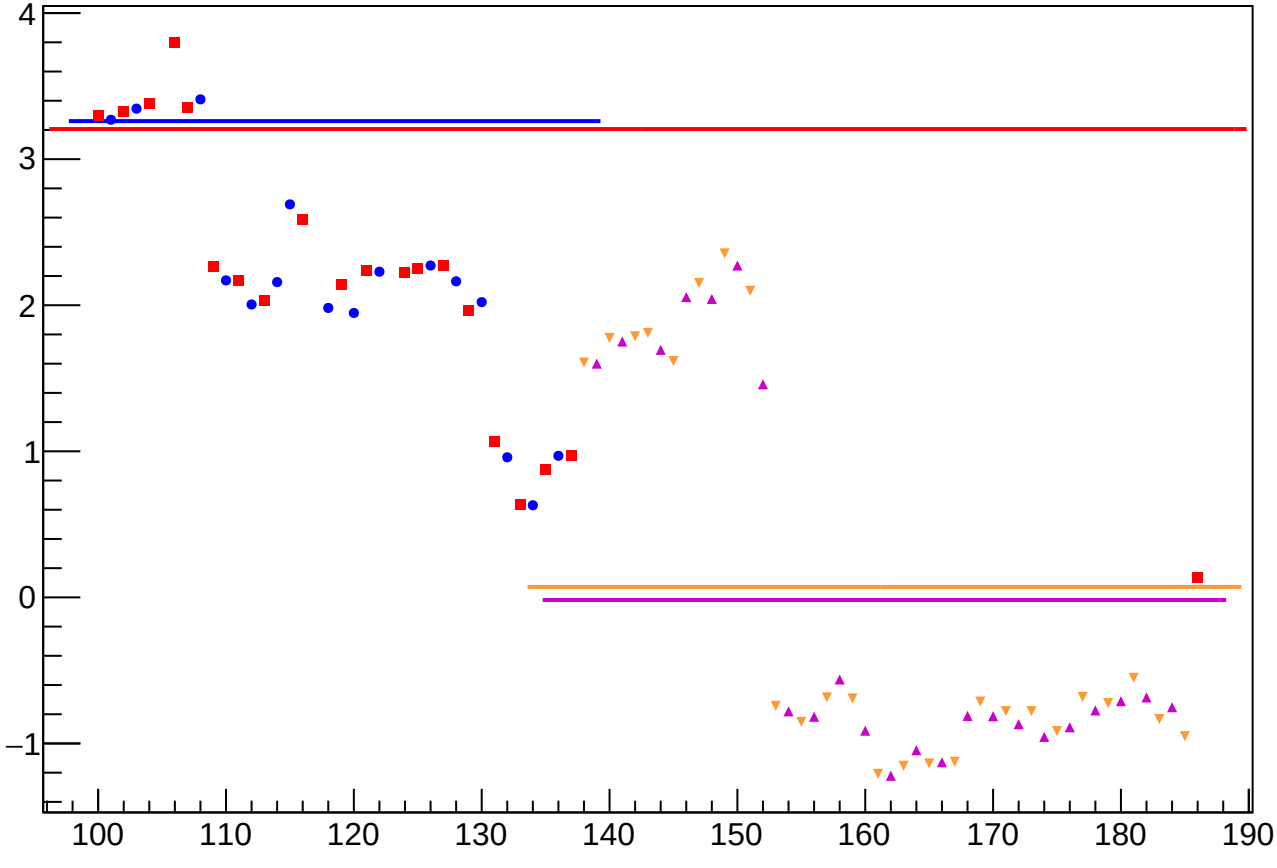
Right: 0.006+/-0.000 χ^2/NDF: 17476510.8/35

In: 0.009+/-0.000 χ^2/NDF:32259362.6/38

Out: 0.010+/-0.000 χ^2/NDF:35407853.0/44

All: 0.009+/-0.000 χ^2/NDF: 67749478.7/83

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

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

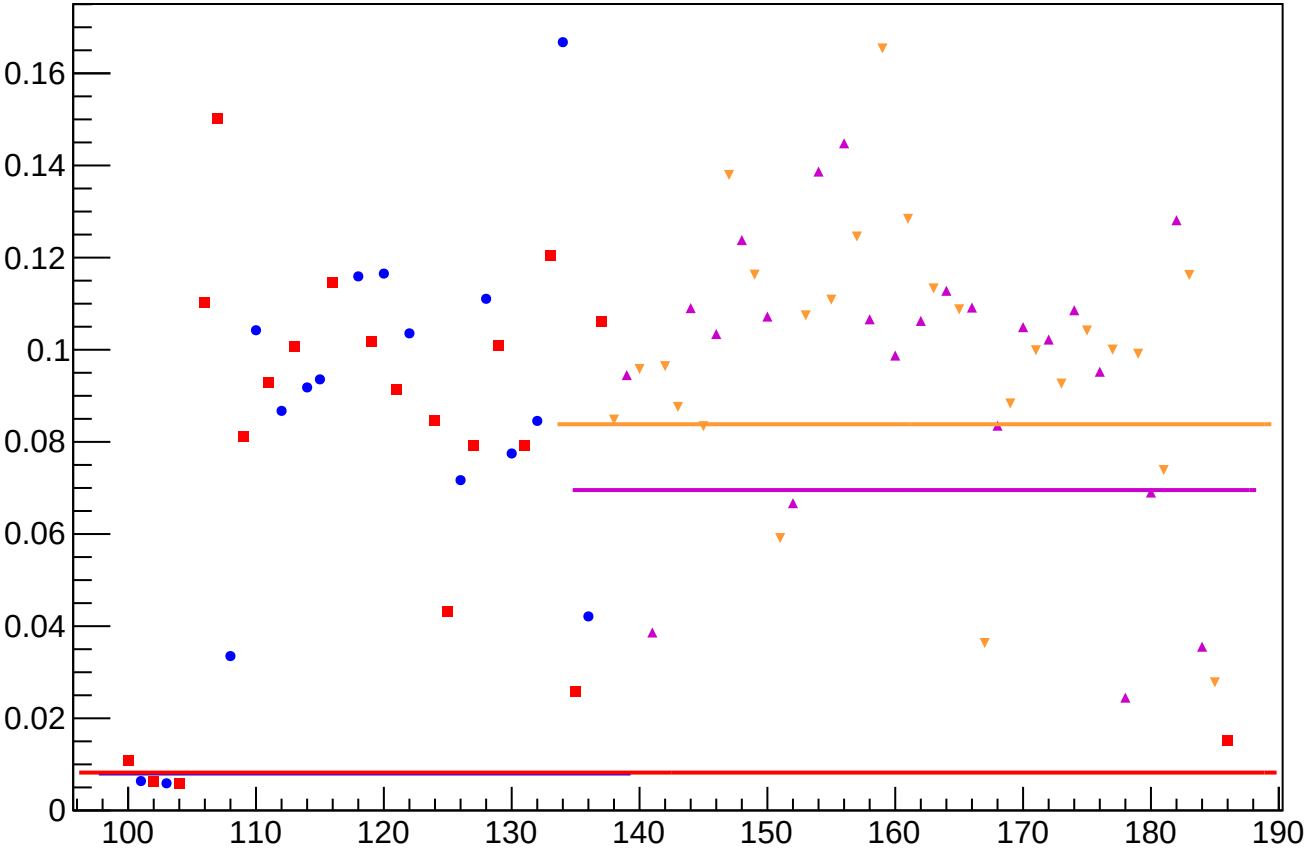
Right: 3.234+/-0.000 χ^2/NDF: 14357012698.7/35

In: 3.027+/-0.000 χ^2/NDF:30202188008.8/38

Out: 3.006+/-0.000 χ^2/NDF:33859116500.6/44

All: 3.017+/-0.000 χ^2/NDF: 64068838675.6/8

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

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

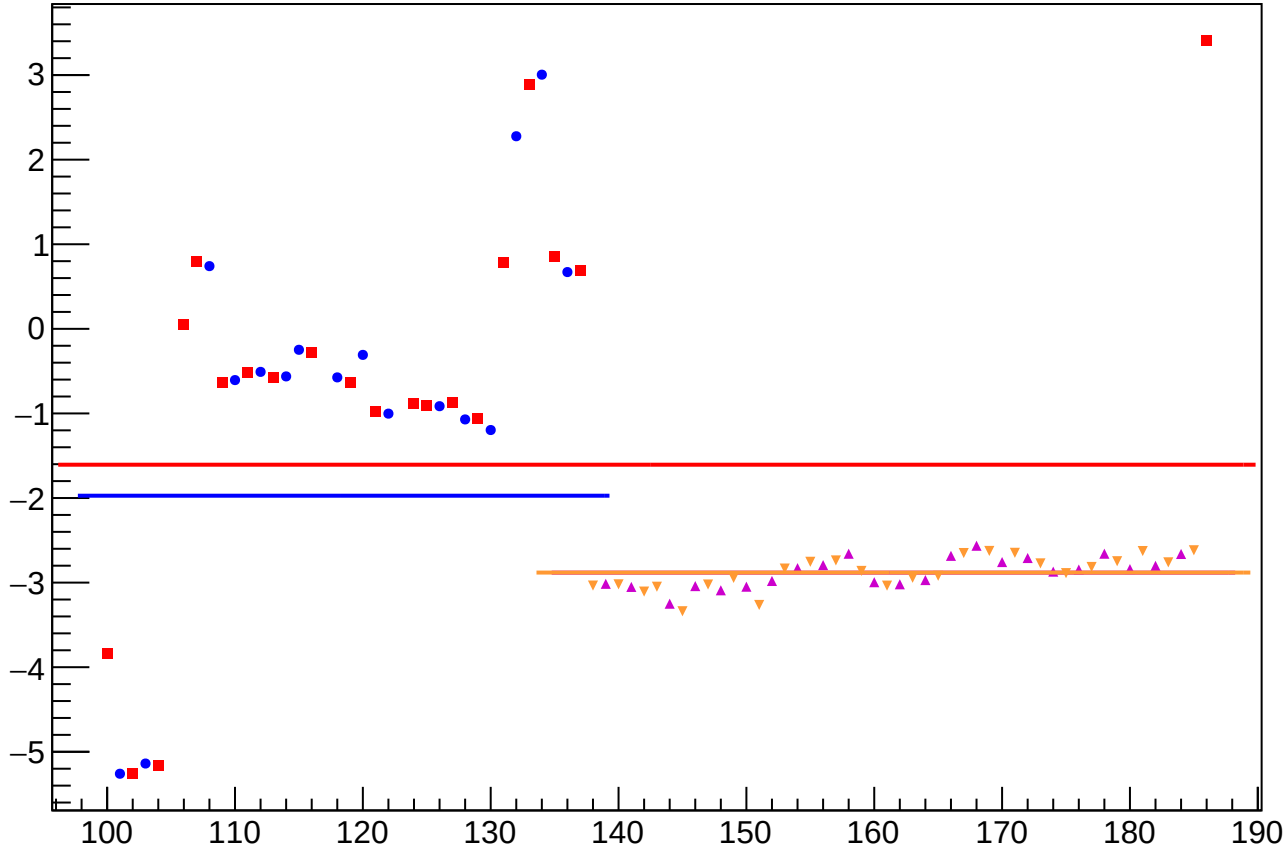
Right: 0.008+/-0.000 χ^2/NDF: 17044083.8/35

In: 0.012+/-0.000 χ^2/NDF:31830016.7/38

Out: 0.013+/-0.000 χ^2/NDF:34475456.6/44

All: 0.013+/-0.000 χ^2/NDF: 66319621.0/83

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

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

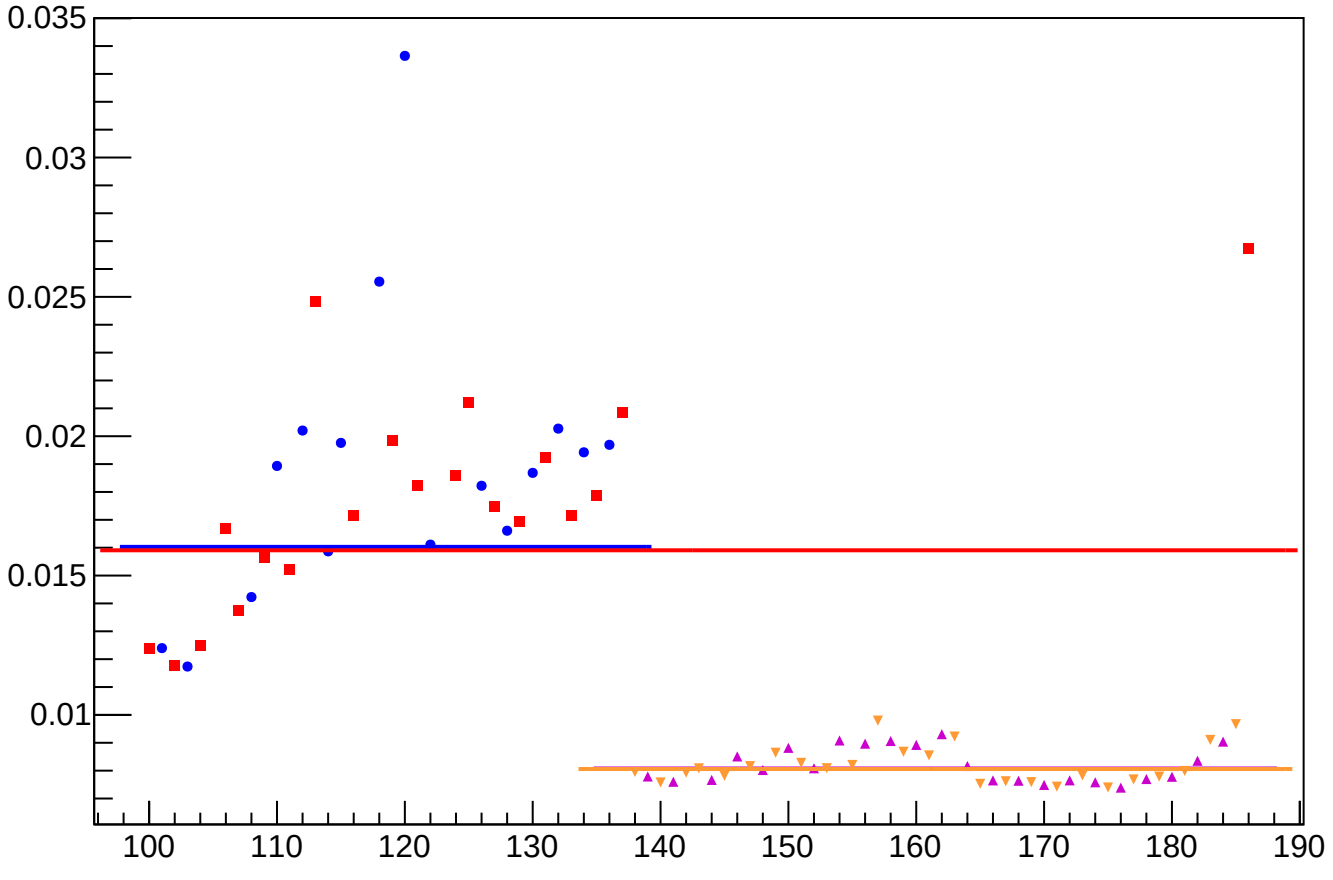
Right: -1.776+/-0.000 χ^2/NDF: 344355388707.4/35

In: -2.811+/-0.000 χ^2/NDF:187561981014.2/38

Out: -2.773+/-0.000 χ^2/NDF:230461337172.4/44

All: -2.792+/-0.000 χ^2/NDF: 418244017299.0

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF: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

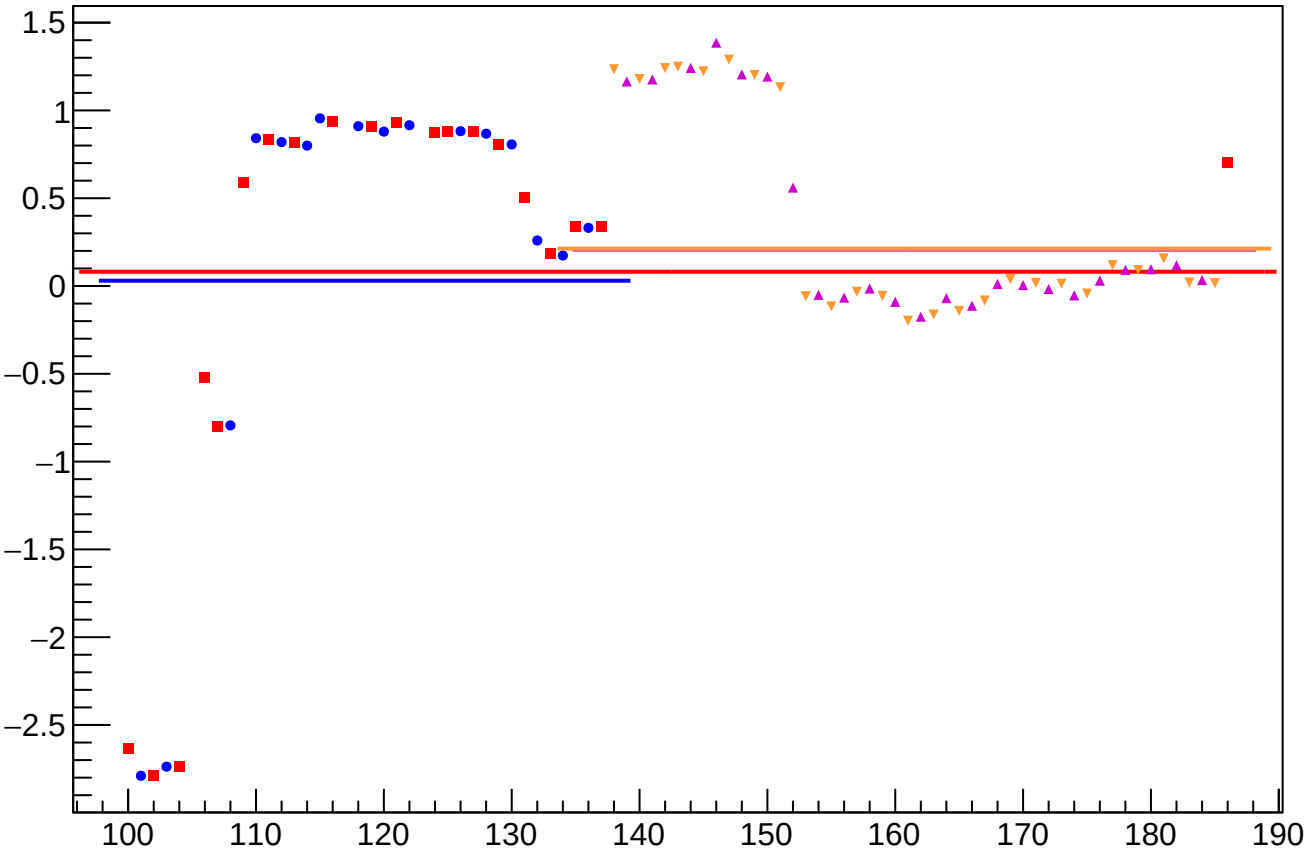
Right: 0.016+/-0.000 χ^2/NDF: 1358206.4/35

In: 0.009+/-0.000 χ^2/NDF:3558857.3/38

Out: 0.009+/-0.000 χ^2/NDF:3775247.5/44

All: 0.009+/-0.000 χ^2/NDF: 7334301.3/83

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

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

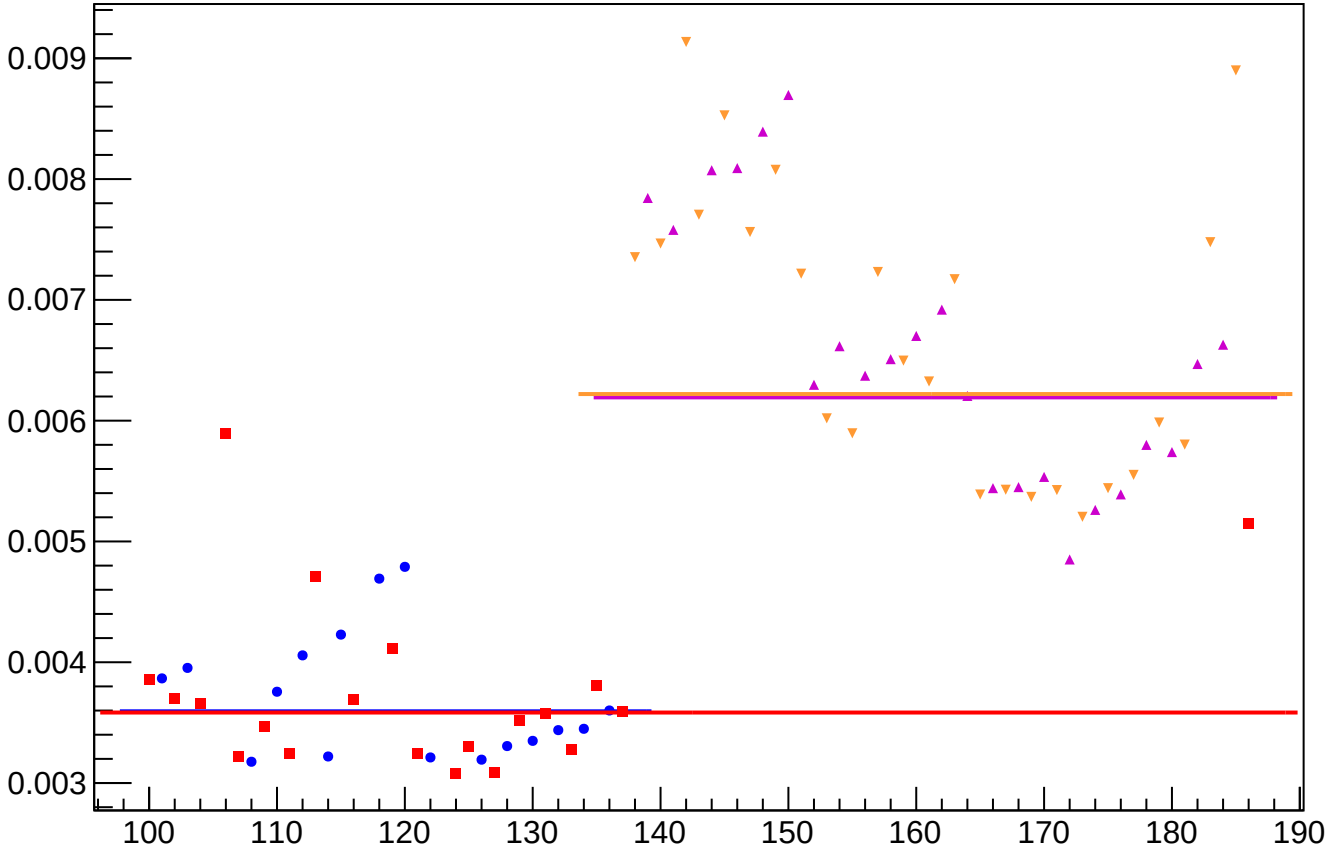
Right: 0.057+/-0.000 χ^2/NDF: 1793562286890.3/35

In: 0.109+/-0.000 χ^2/NDF:946019346923.7/38

Out: 0.138+/-0.000 χ^2/NDF:1048239822788.3/44

All: 0.124+/-0.000 χ^2/NDF: 1994666328963.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

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

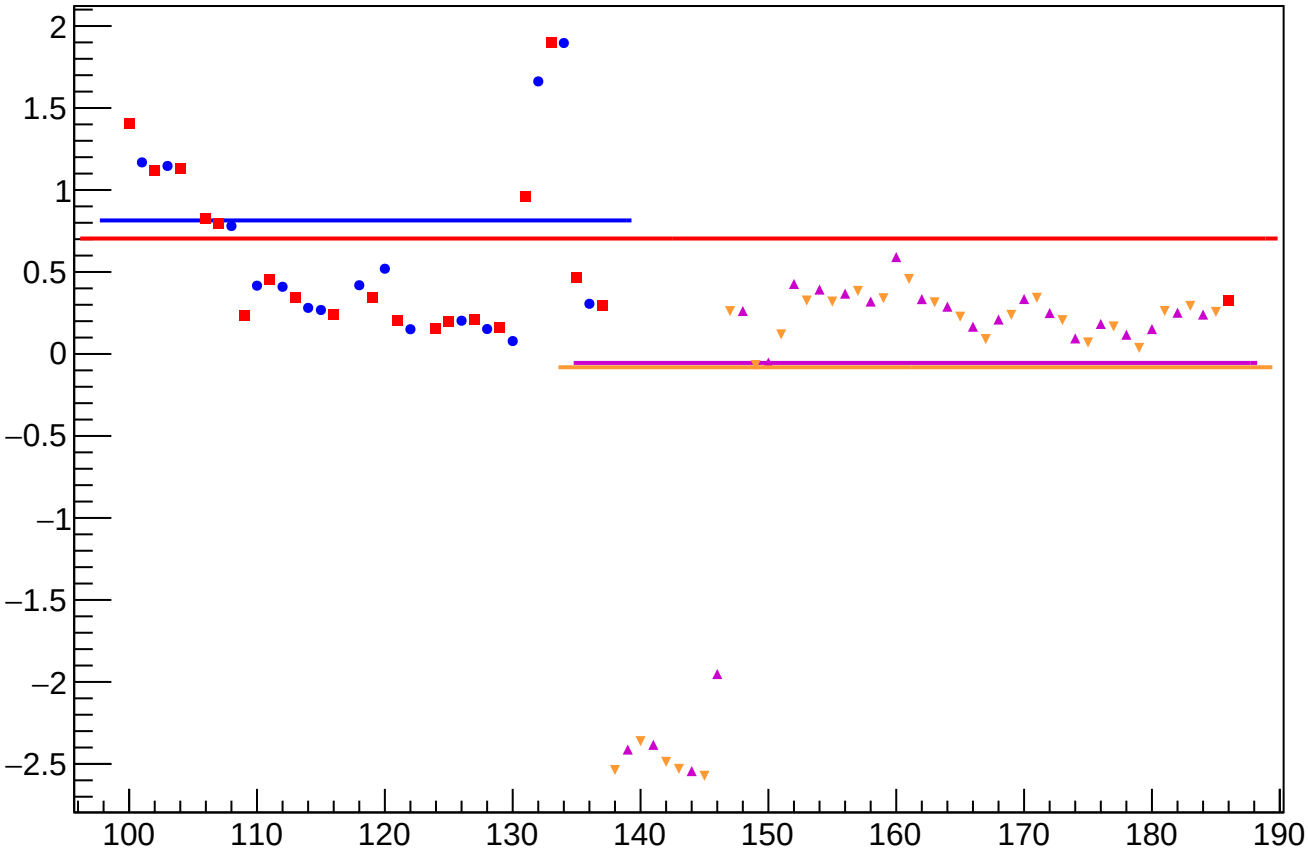
Right: 0.004+/-0.000 χ^2/NDF: 477487.5/35

In: 0.005+/-0.000 χ^2/NDF:4109407.2/38

Out: 0.005+/-0.000 χ^2/NDF:4530395.5/44

All: 0.005+/-0.000 χ^2/NDF: 8640658.8/83

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

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

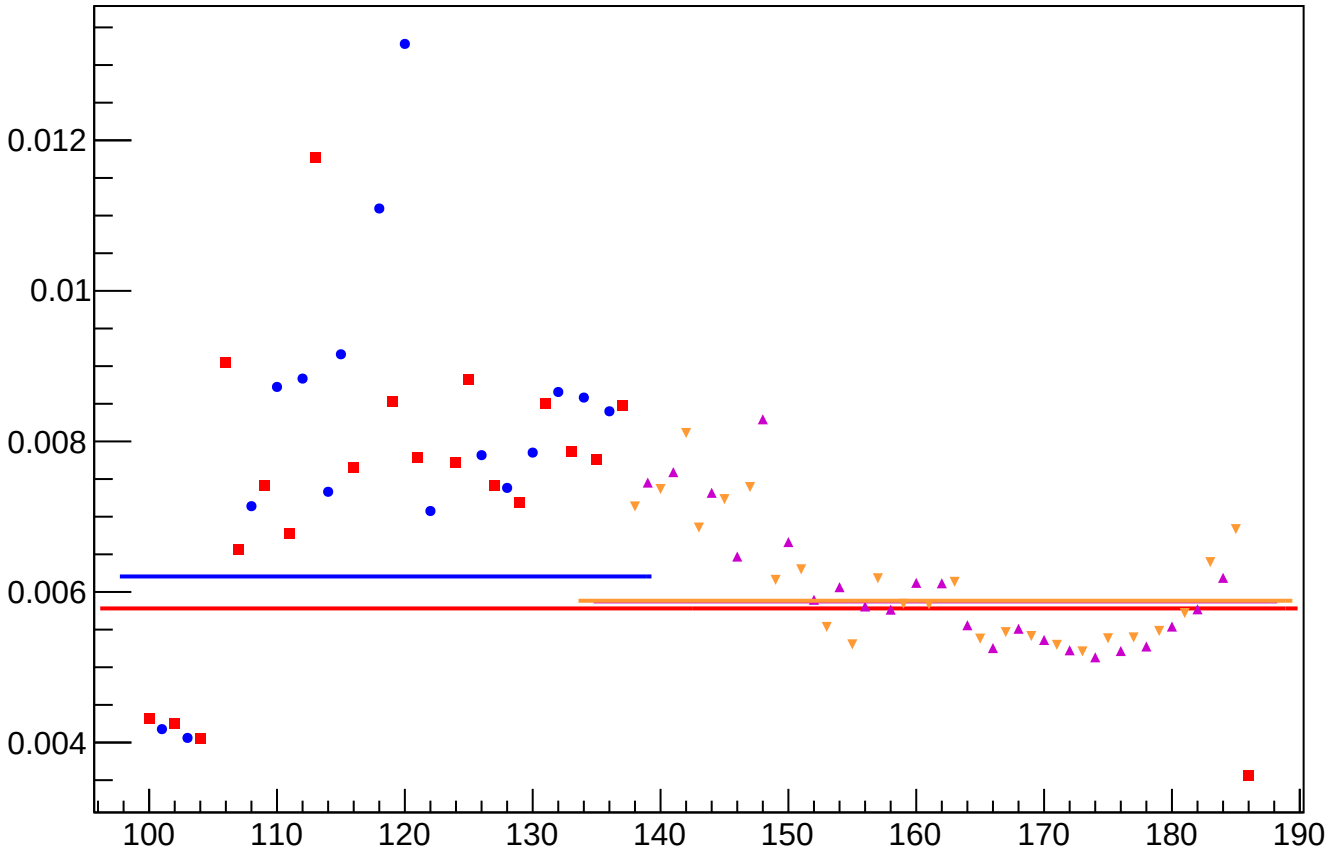
Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

Right: 0.752+/-0.000 χ^2/NDF: 76168981004.5/35

In: 0.145+/-0.000 χ^2/NDF:466432279636.9/38

Out: 0.130+/-0.000 χ^2/NDF:511950694430.1/44

All: 0.137+/-0.000 χ^2/NDF: 978458502093.8



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

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

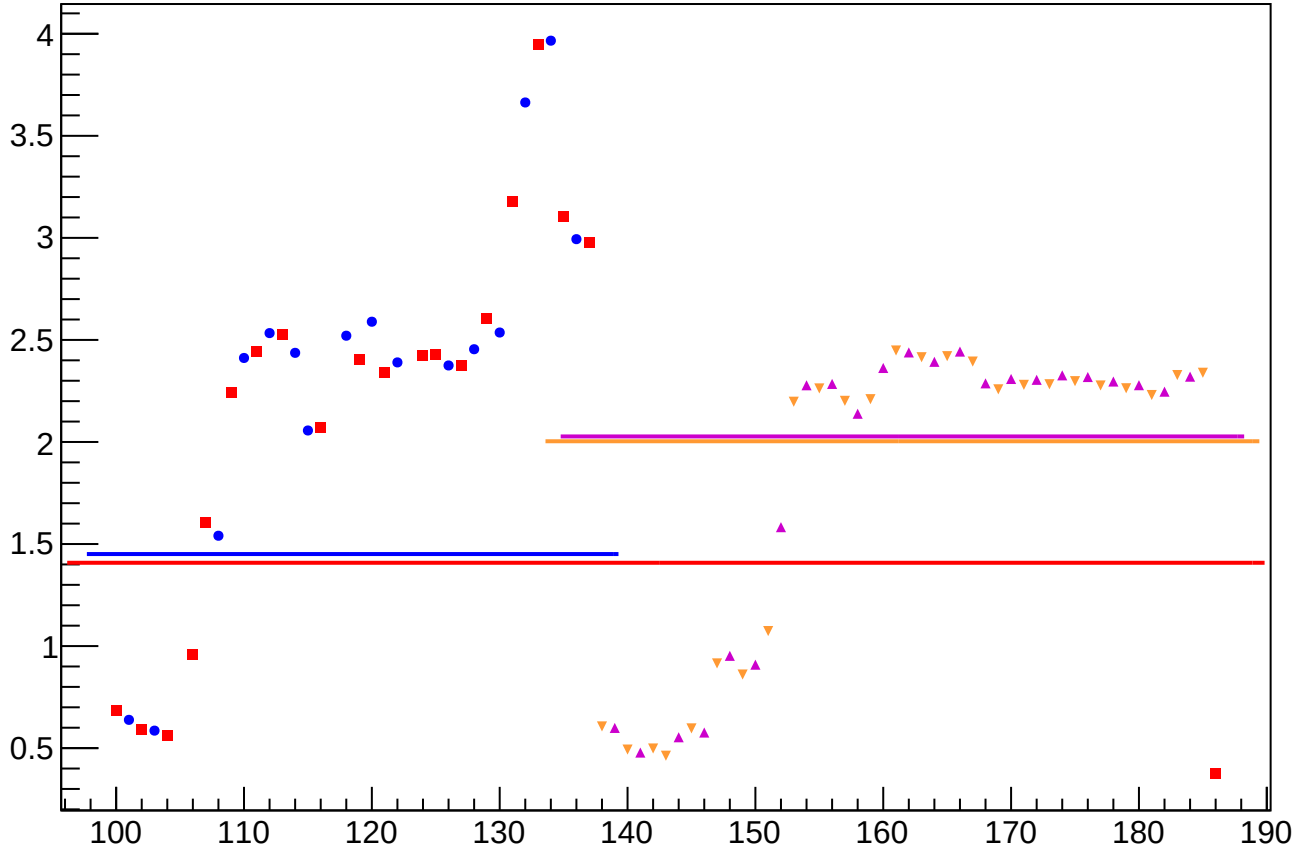
Right: 0.006+/-0.000 χ^2/NDF: 2973310.4/35

In: 0.006+/-0.000 χ^2/NDF:1970197.2/38

Out: 0.006+/-0.000 χ^2/NDF:1980741.7/44

All: 0.006+/-0.000 χ^2/NDF: 3956839.0/83

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

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

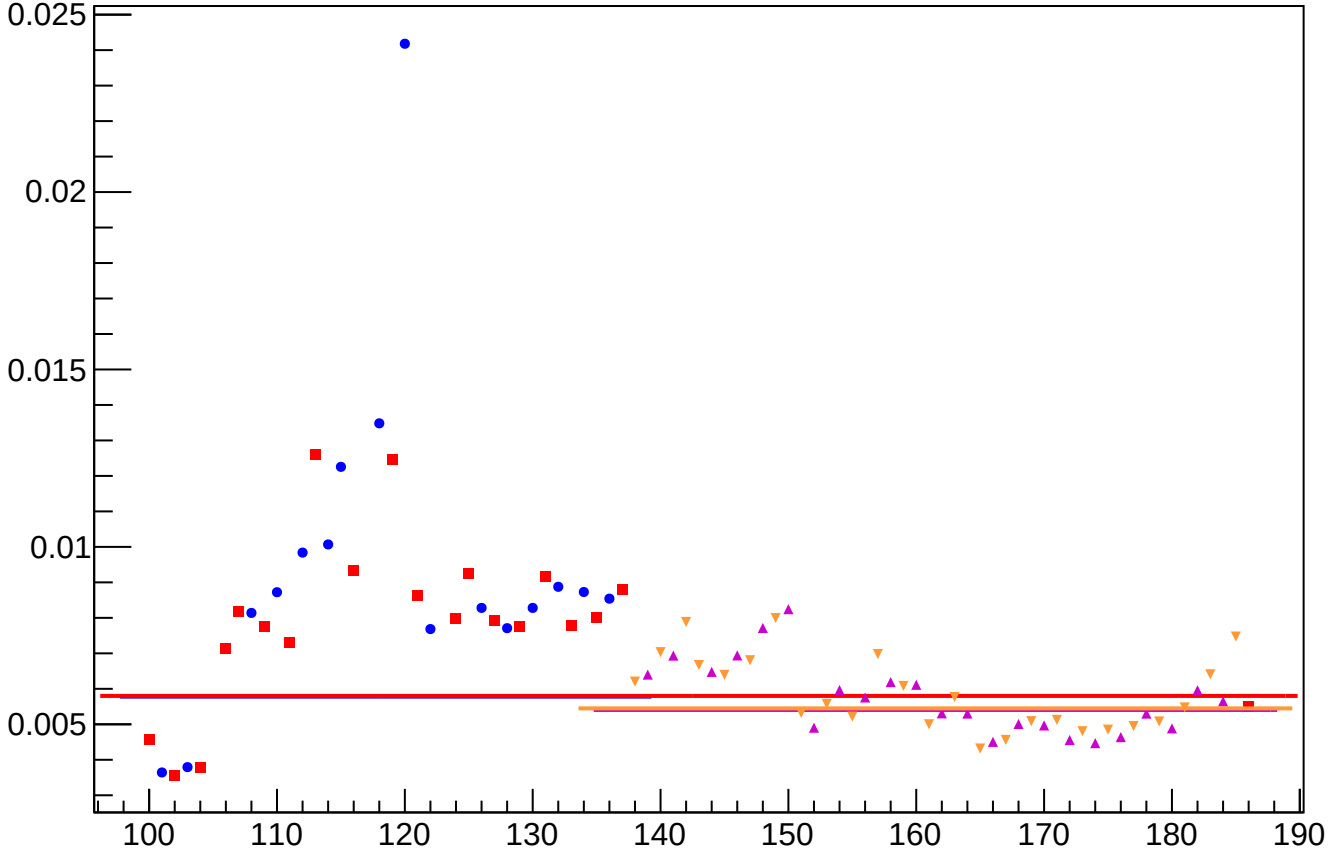
Right: 1.428+/-0.000 χ^2/NDF: 371700169860.2/35

In: 1.900+/-0.000 χ^2/NDF:402901227039.1/38

Out: 1.861+/-0.000 χ^2/NDF:468039772142.3/44

All: 1.880+/-0.000 χ^2/NDF: 871499455965.4

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

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

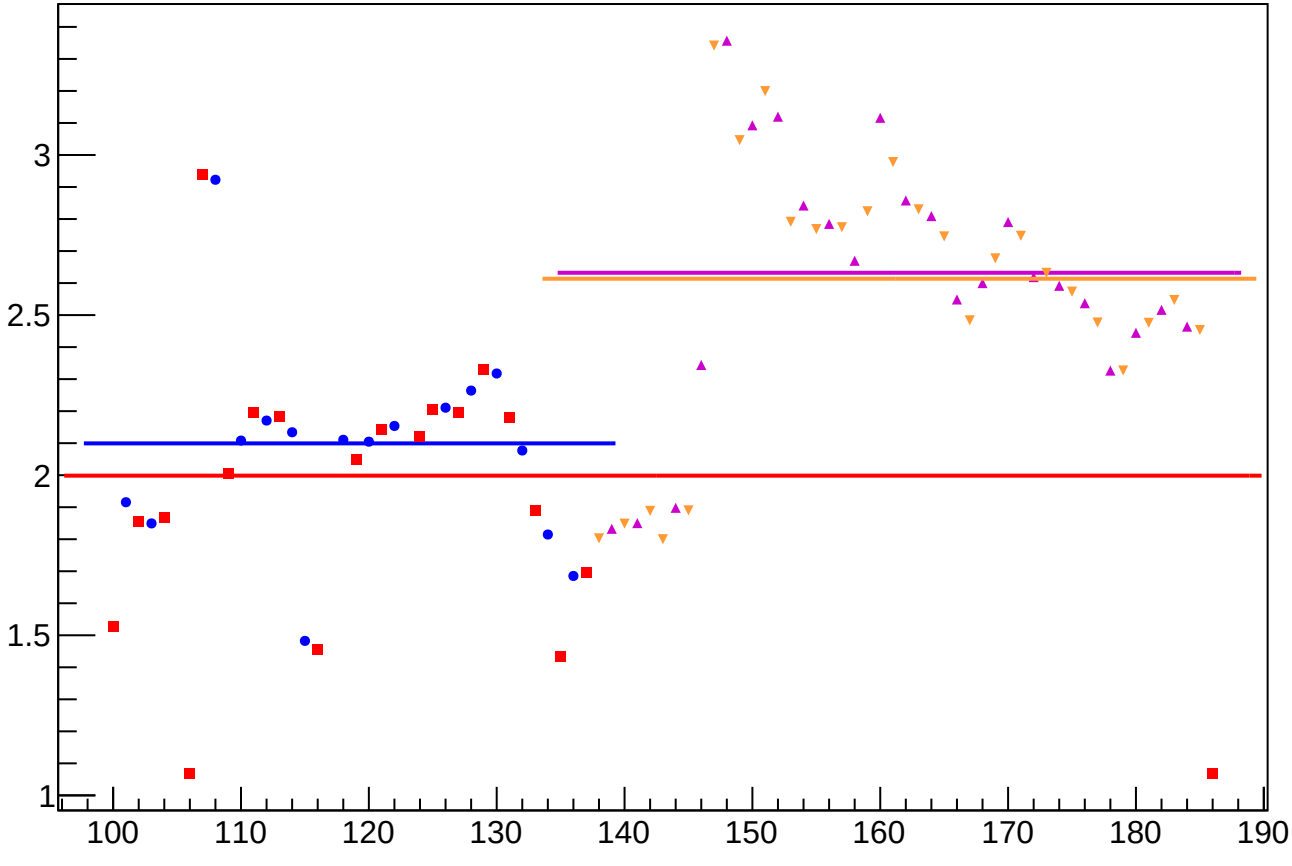
Right: 0.006+/-0.000 χ^2/NDF: 4172149.8/35

In: 0.005+/-0.000 χ^2/NDF:3061977.4/38

Out: 0.006+/-0.000 χ^2/NDF:2762250.3/44

All: 0.006+/-0.000 χ^2/NDF: 5825700.7/83

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

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

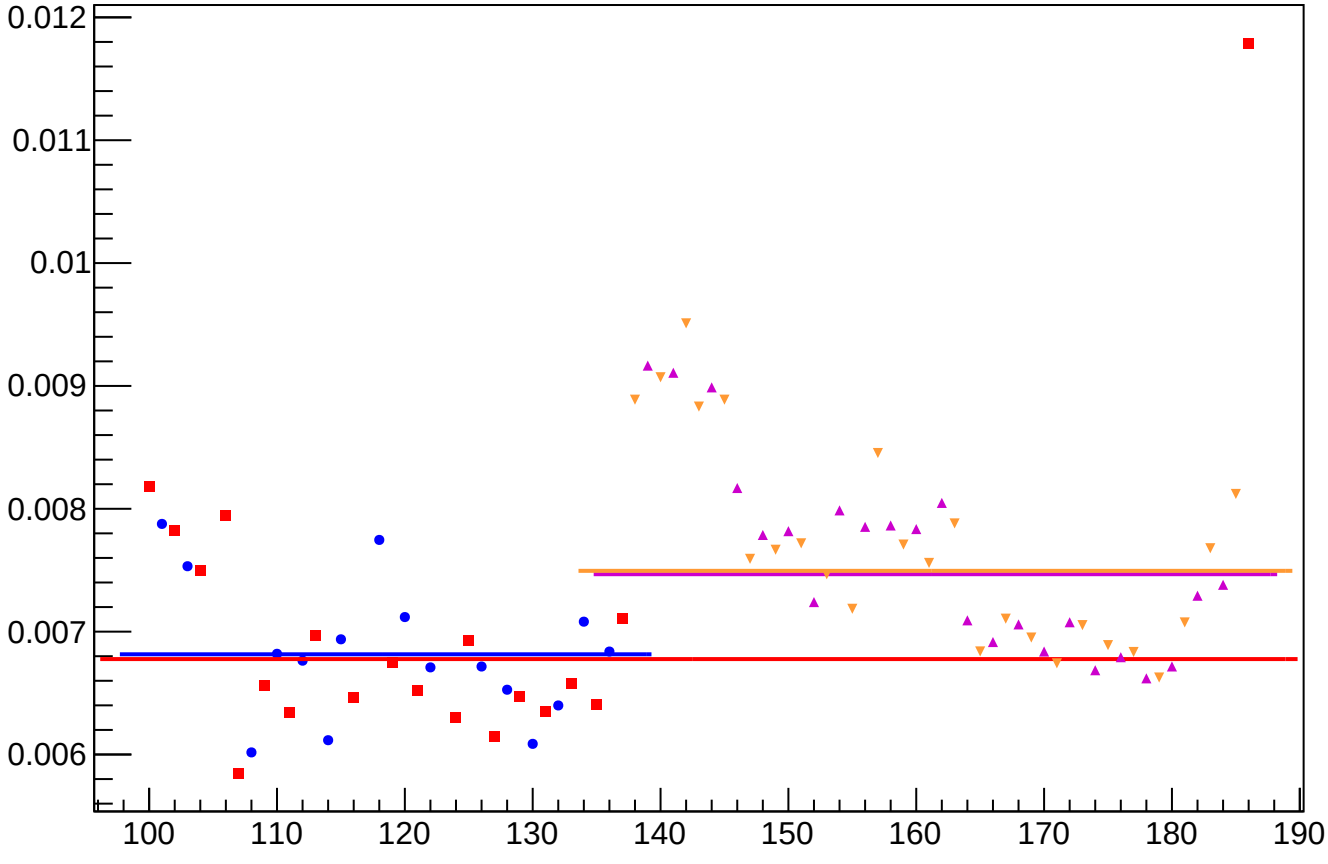
Right: 2.046+/-0.000 χ^2/NDF: 36667746121.3/35

In: 2.461+/-0.000 χ^2/NDF:82800610740.7/38

Out: 2.408+/-0.000 χ^2/NDF:109181610371.6/44

All: 2.434+/-0.000 χ^2/NDF: 192640964046.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

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

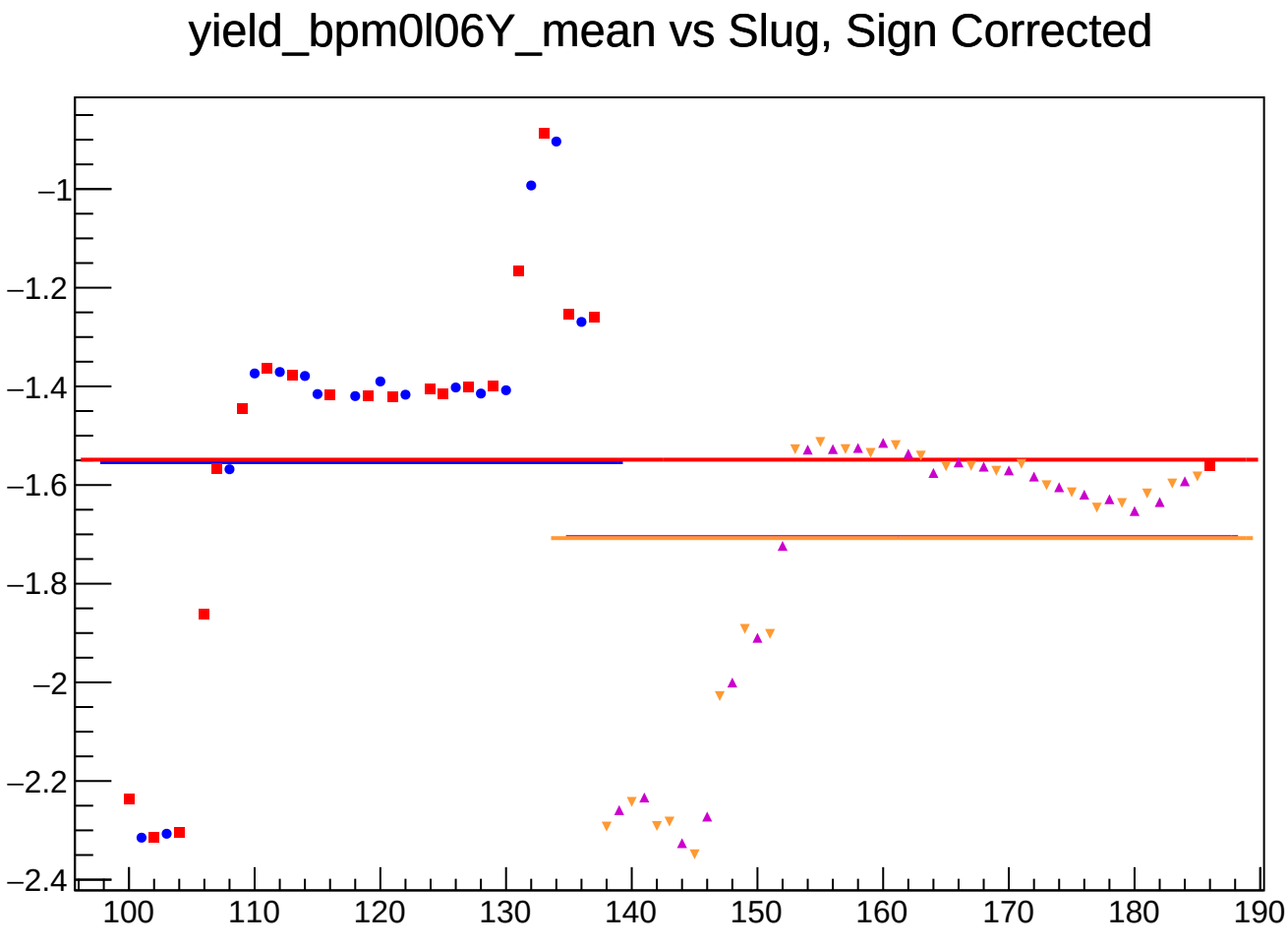
Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

Right: 0.007+/-0.000 χ^2/NDF: 310463.0/35

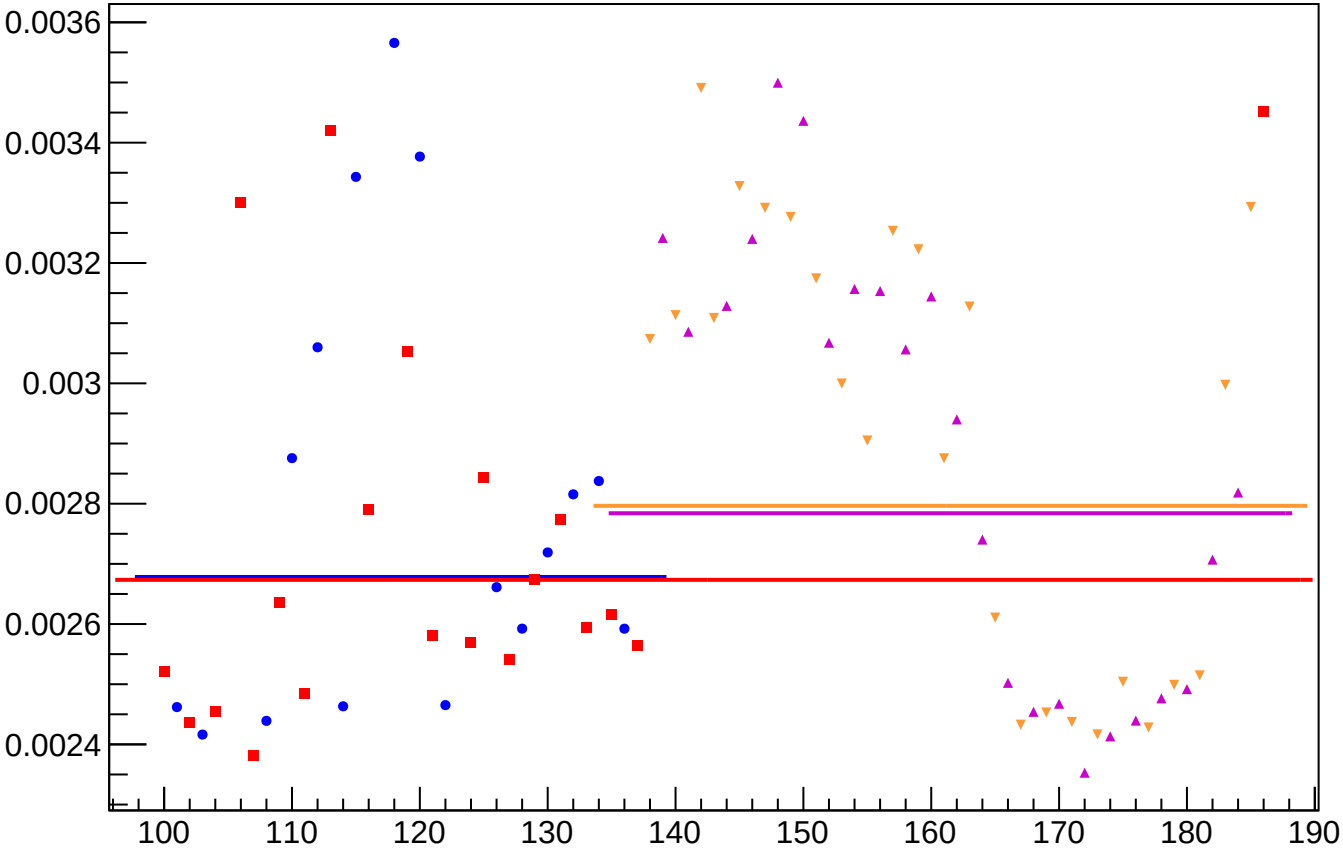
In: 0.007+/-0.000 χ^2/NDF:493488.4/38

Out: 0.007+/-0.000 χ^2/NDF:667468.3/44

All: 0.007+/-0.000 χ^2/NDF: 1160961.2/83


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
160
170
180
190
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.708+/-0.000 χ²/NDF:151845502556.2/24
Right Out: -1.549+/-0.000 χ²/NDF: 174748572804.9/19
Left In: -1.705+/-0.000 χ²/NDF:136540618081.0/22
Left: -1.707+/-0.000 χ²/NDF: 288391574261.0/47
Right: -1.551+/-0.000 χ²/NDF: 349937636342.6/35
In: -1.660+/-0.000 χ²/NDF:326839669915.6/38
Out: -1.658+/-0.000 χ²/NDF:344596794904.1/44
All: -1.659+/-0.000 χ²/NDF: 671442796683.9

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF: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

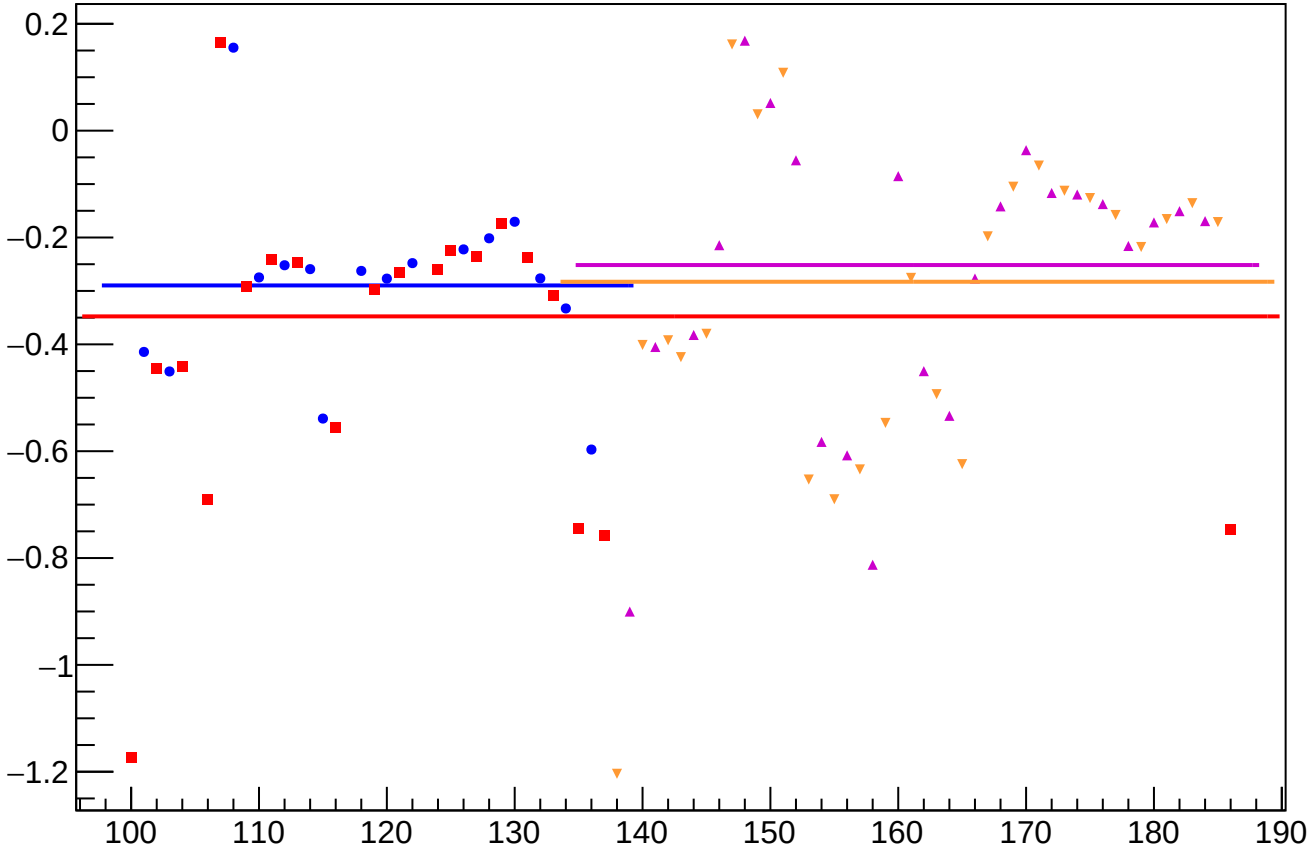
Right: 0.003+/-0.000 χ^2/NDF: 315464.5/35

In: 0.003+/-0.000 χ^2/NDF:729735.8/38

Out: 0.003+/-0.000 χ^2/NDF:726873.3/44

All: 0.003+/-0.000 χ^2/NDF: 1456712.8/83

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

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

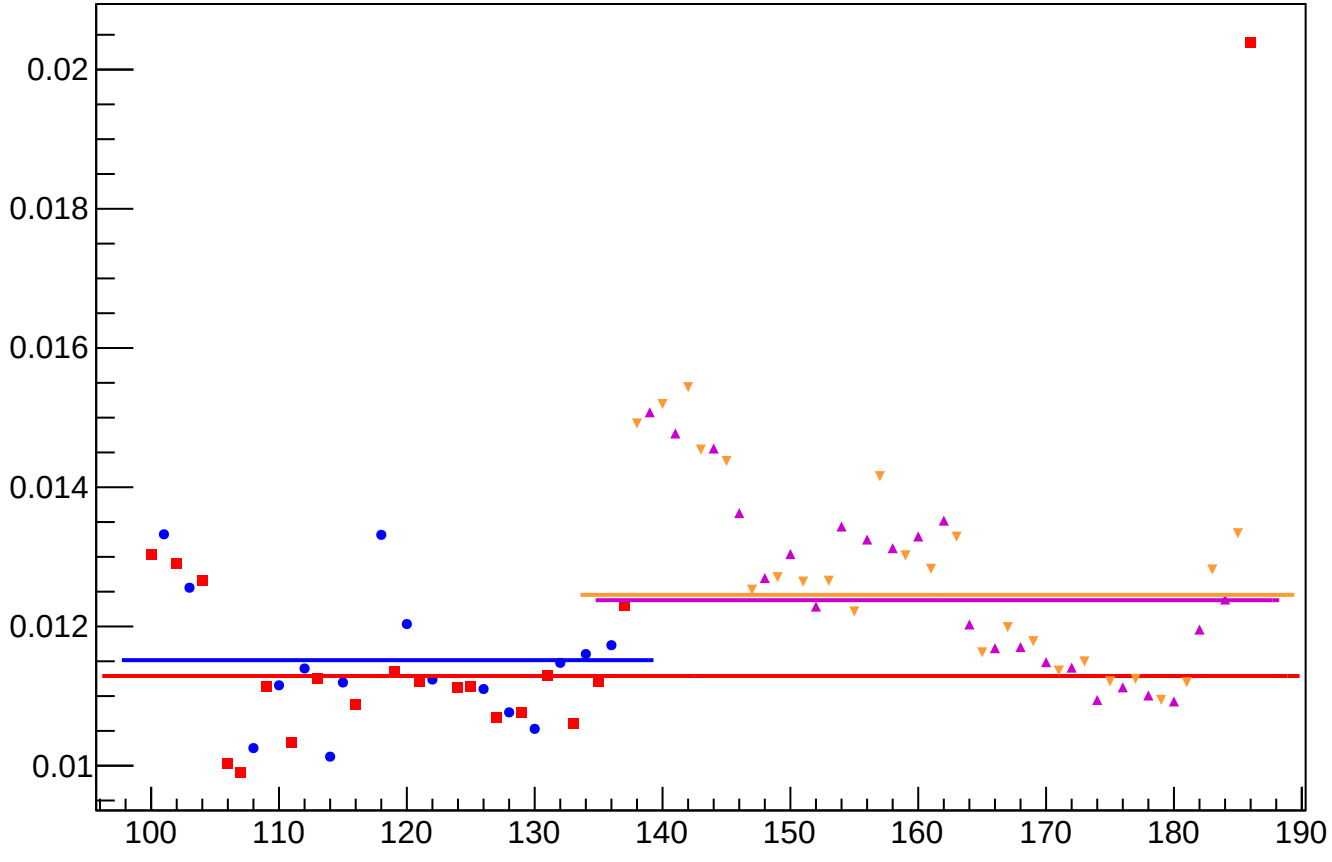
Right: -0.321+/-0.000 χ^2/NDF: 4491139869.0/35

In: -0.264+/-0.000 χ^2/NDF:8864518234.9/38

Out: -0.305+/-0.000 χ^2/NDF:12262039824.6/44

All: -0.285+/-0.000 χ^2/NDF: 21269564388.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

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

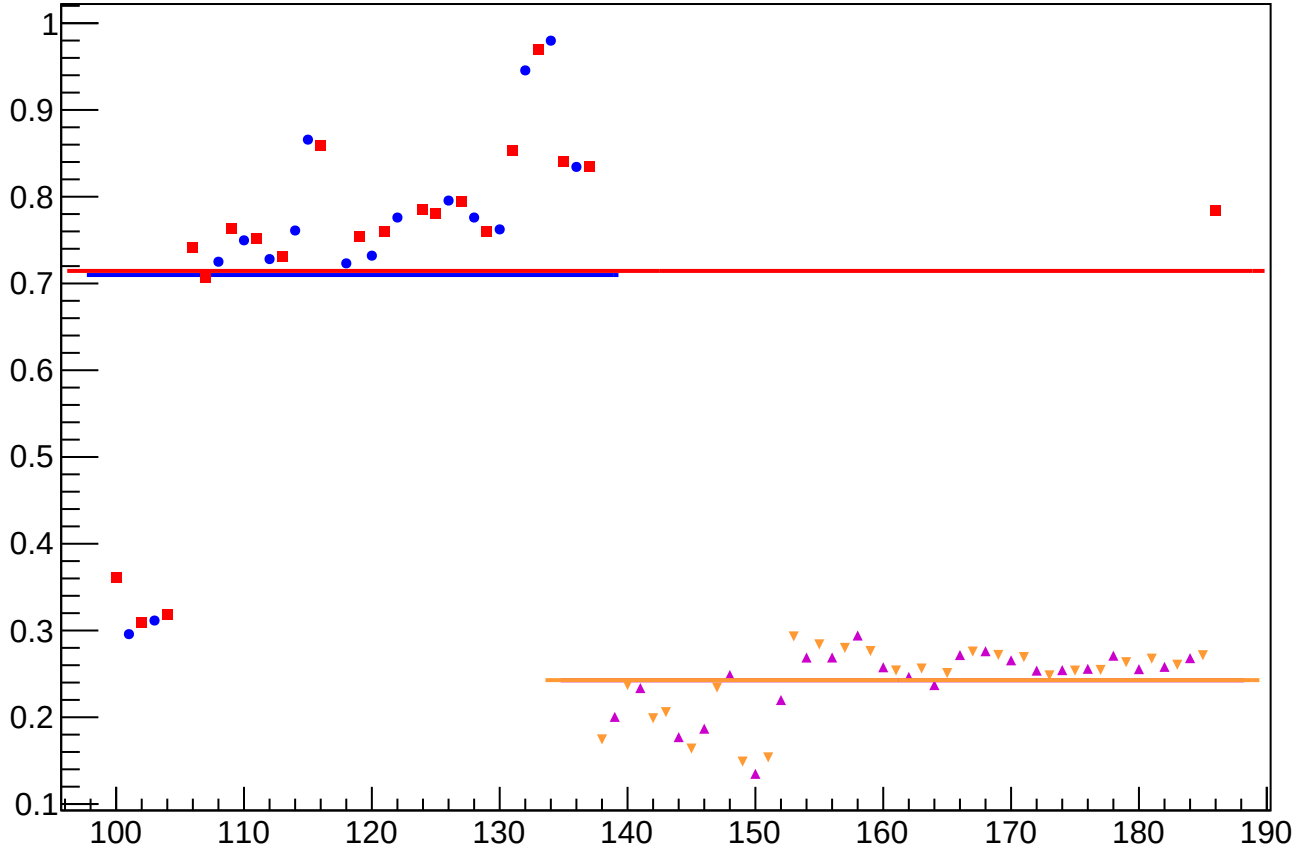
Right: 0.011+/-0.000 χ^2/NDF: 307169.5/35

In: 0.012+/-0.000 χ^2/NDF:464115.5/38

Out: 0.012+/-0.000 χ^2/NDF:668473.5/44

All: 0.012+/-0.000 χ^2/NDF: 1132883.5/83

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

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

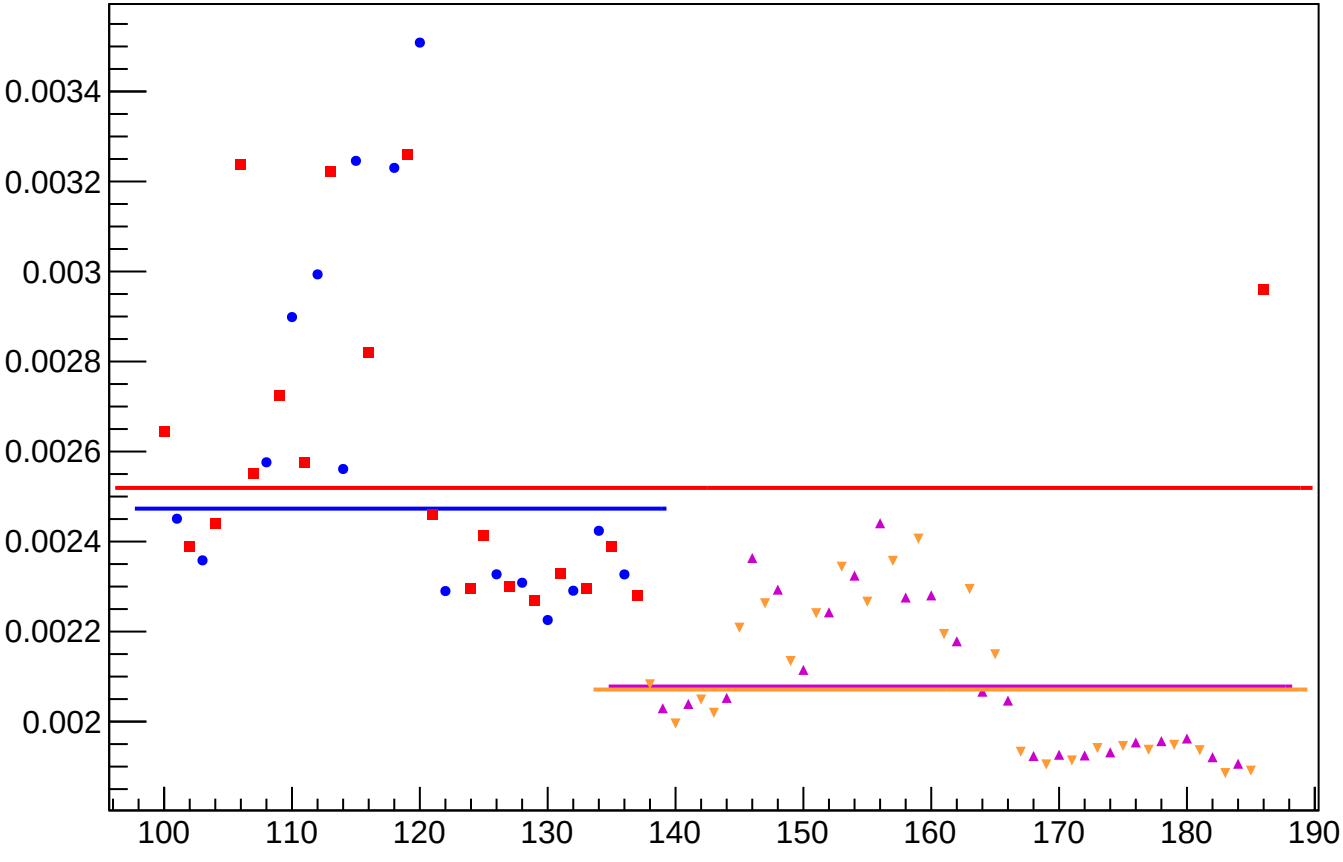
Right: 0.712+/-0.000 χ^2/NDF: 93337685718.1/35

In: 0.341+/-0.000 χ^2/NDF:246845893009.6/38

Out: 0.341+/-0.000 χ^2/NDF:257733302087.4/44

All: 0.341+/-0.000 χ^2/NDF: 504579336657.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF: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

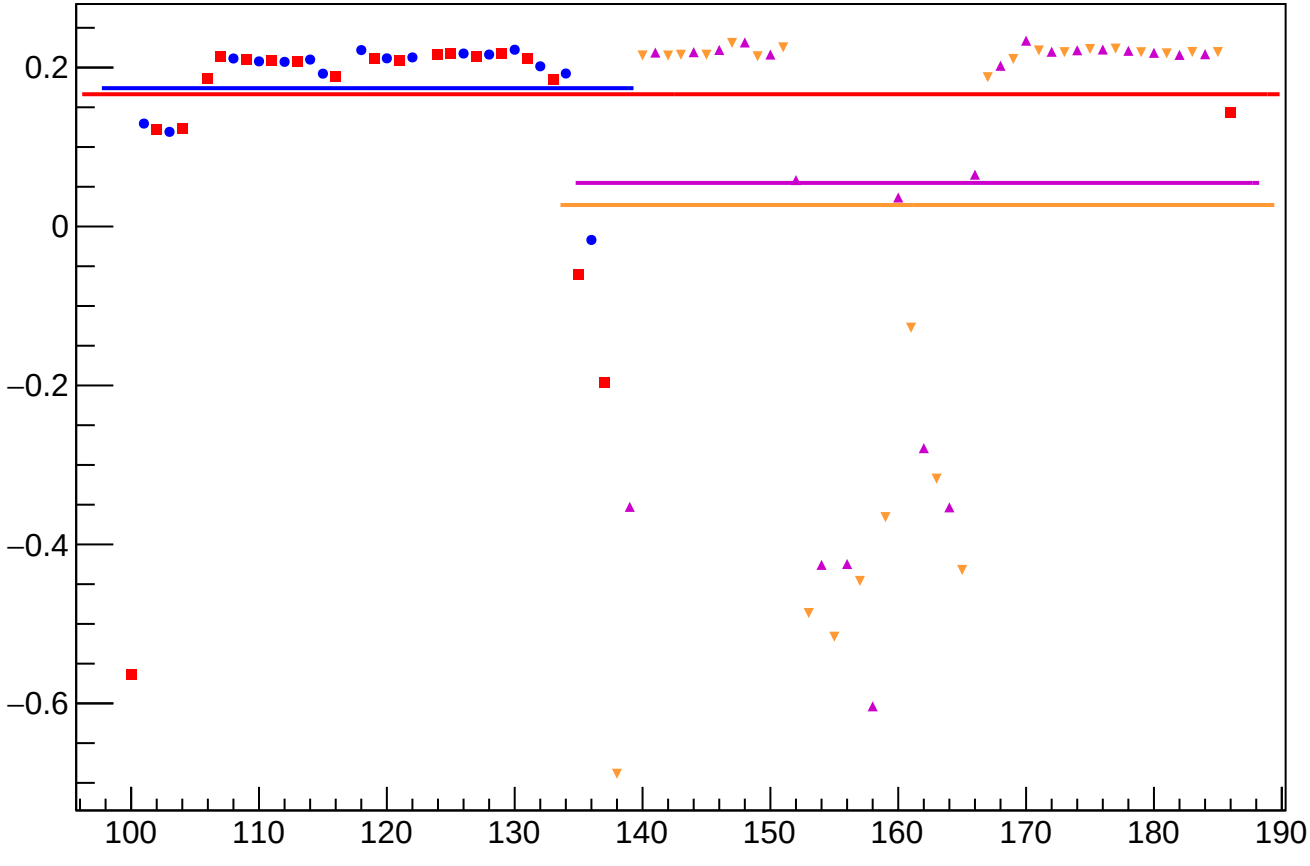
Right: 0.002+/-0.000 χ^2/NDF: 406269.0/35

In: 0.002+/-0.000 χ^2/NDF:694721.3/38

Out: 0.002+/-0.000 χ^2/NDF:801309.9/44

All: 0.002+/-0.000 χ^2/NDF: 1496098.9/83

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

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

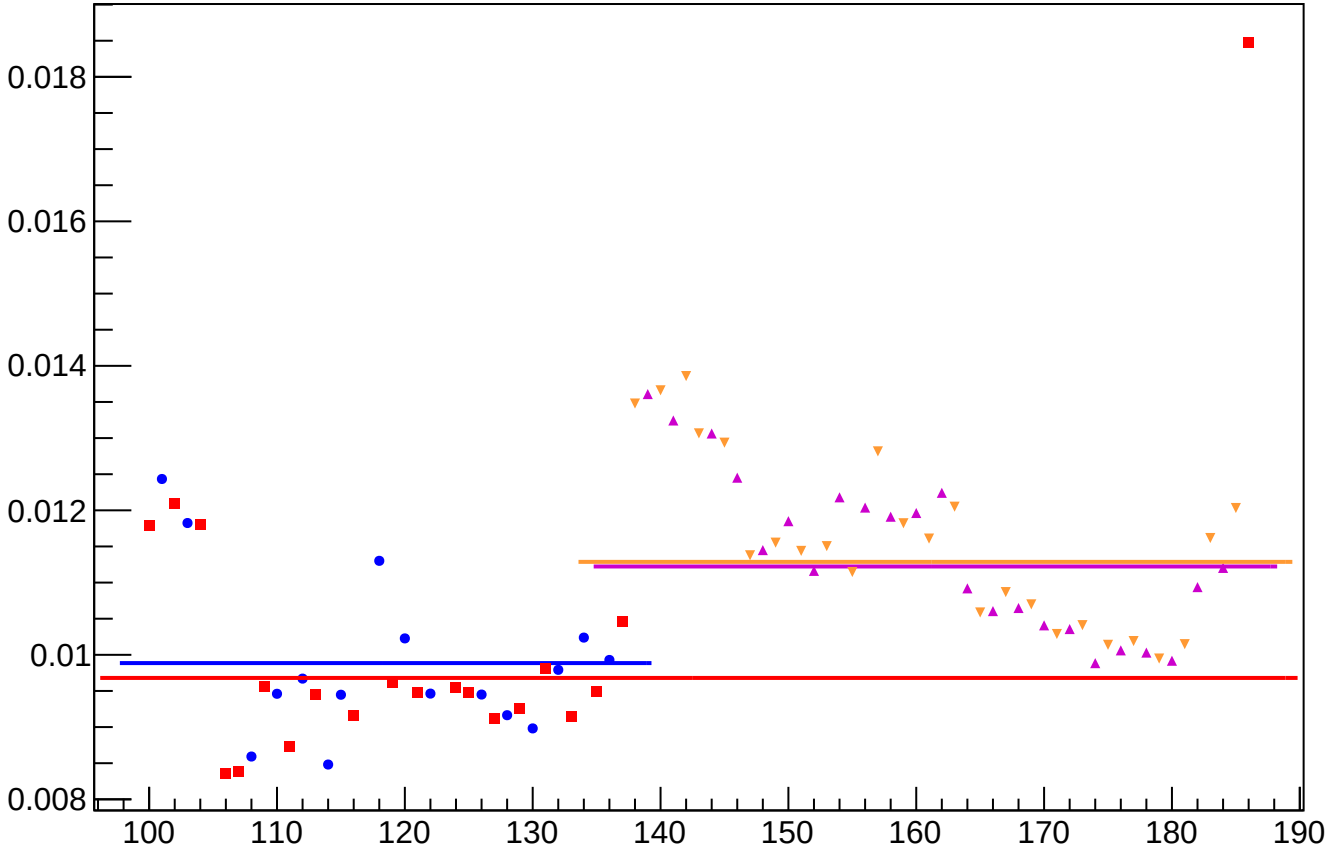
Right: 0.170+/-0.000 χ^2/NDF: 1298854597.2/35

In: 0.095+/-0.000 χ^2/NDF:10766609487.7/38

Out: 0.077+/-0.000 χ^2/NDF:14866937320.6/44

All: 0.086+/-0.000 χ^2/NDF: 25669397516.1/8

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

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

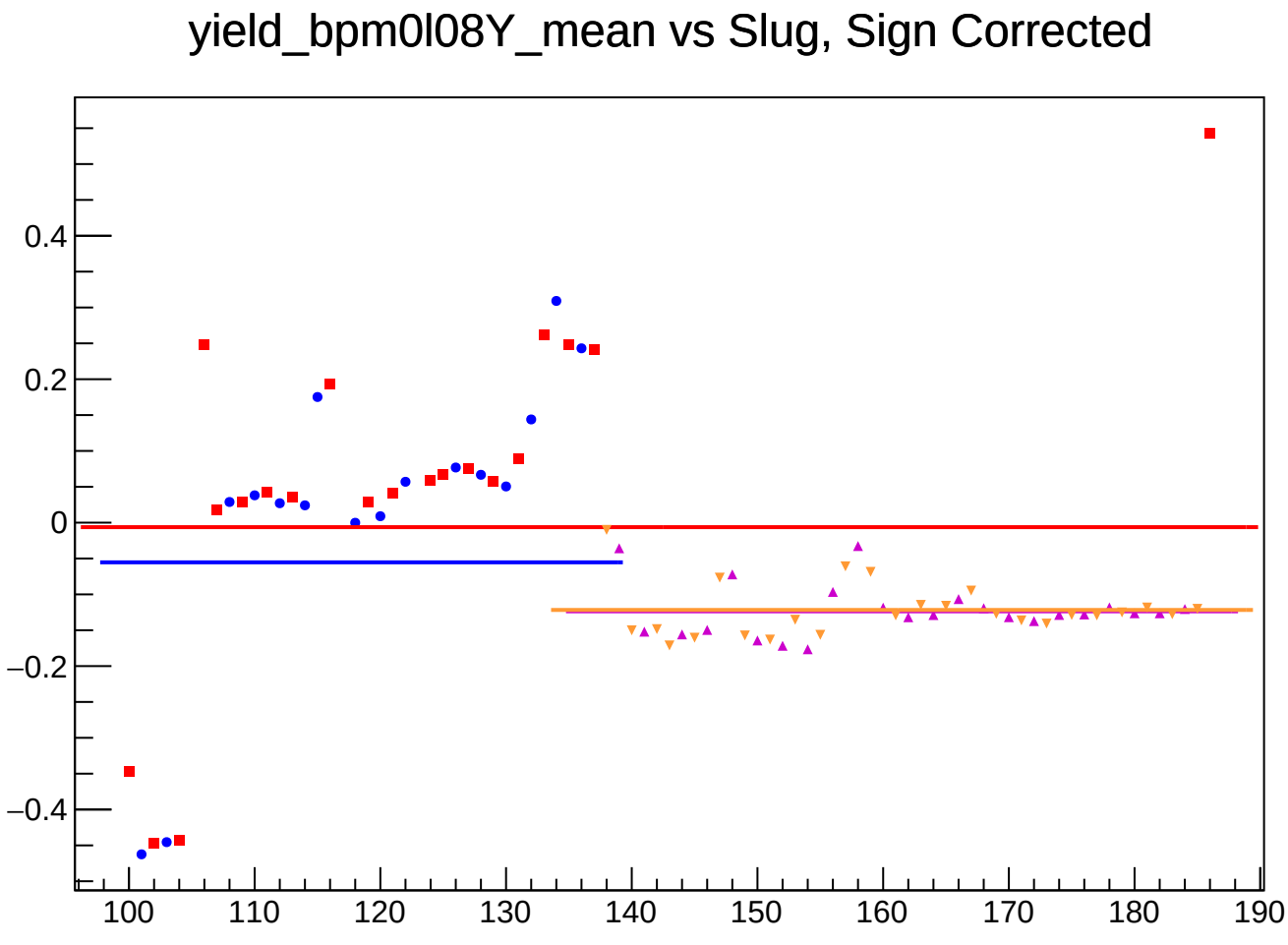
Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

Right: 0.010+/-0.000 χ^2/NDF: 458129.5/35

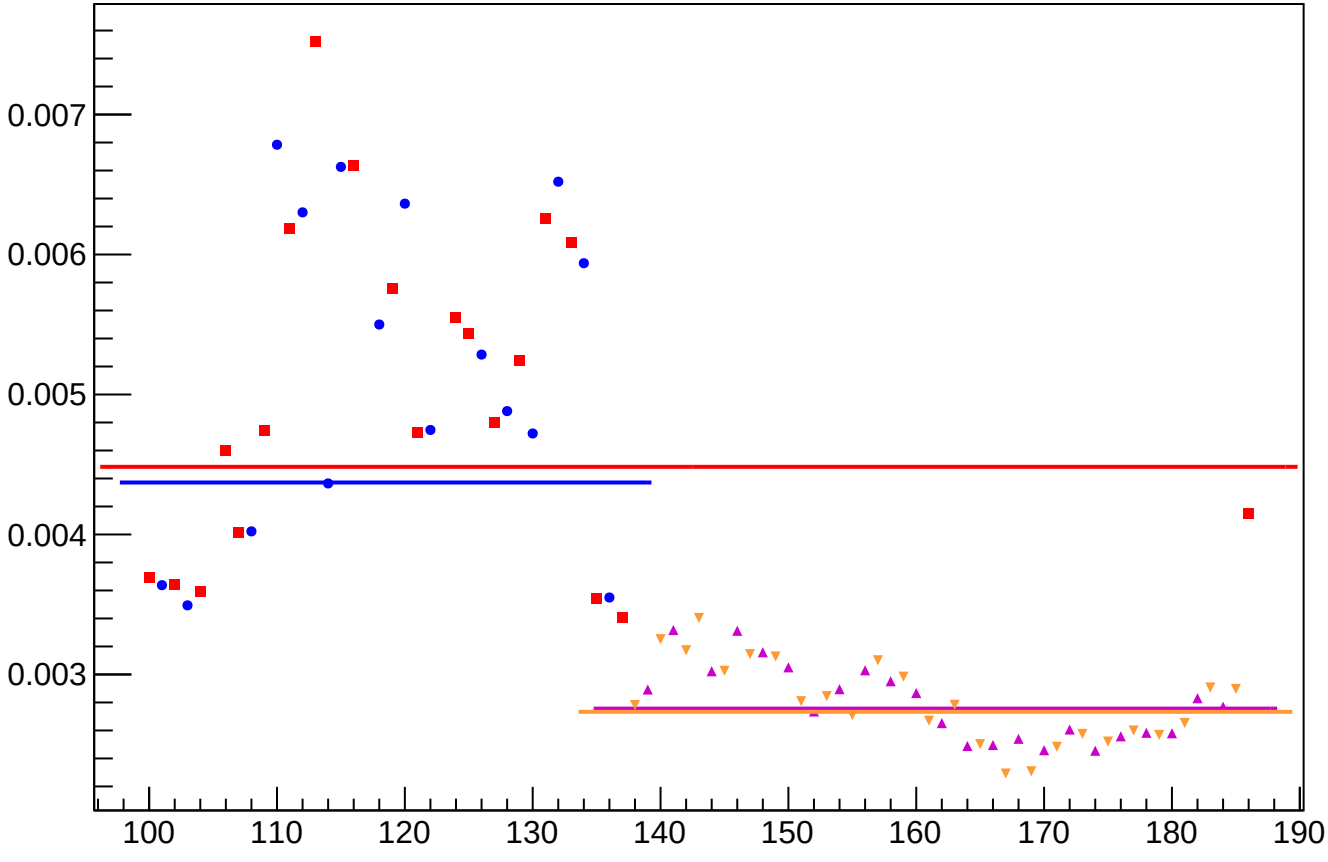
In: 0.011+/-0.000 χ^2/NDF:630008.6/38

Out: 0.011+/-0.000 χ^2/NDF:899655.3/44

All: 0.011+/-0.000 χ^2/NDF: 1530406.0/83


yield_bpm0l08Y_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.055+/-0.000 χ²/NDF: 24081939190.6/15
Left Out: -0.122+/-0.000 χ²/NDF:2922583819.6/24
Right Out: -0.006+/-0.000 χ²/NDF: 29157326679.9/19
Left In: -0.124+/-0.000 χ²/NDF:2809457047.2/22
Left: -0.123+/-0.000 χ²/NDF: 5736373212.1/47
Right: -0.030+/-0.000 χ²/NDF: 53633549728.9/35
In: -0.115+/-0.000 χ²/NDF:28198195341.7/38
Out: -0.108+/-0.000 χ²/NDF:36024455628.9/44
All: -0.111+/-0.000 χ²/NDF: 64297194888.4/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF: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

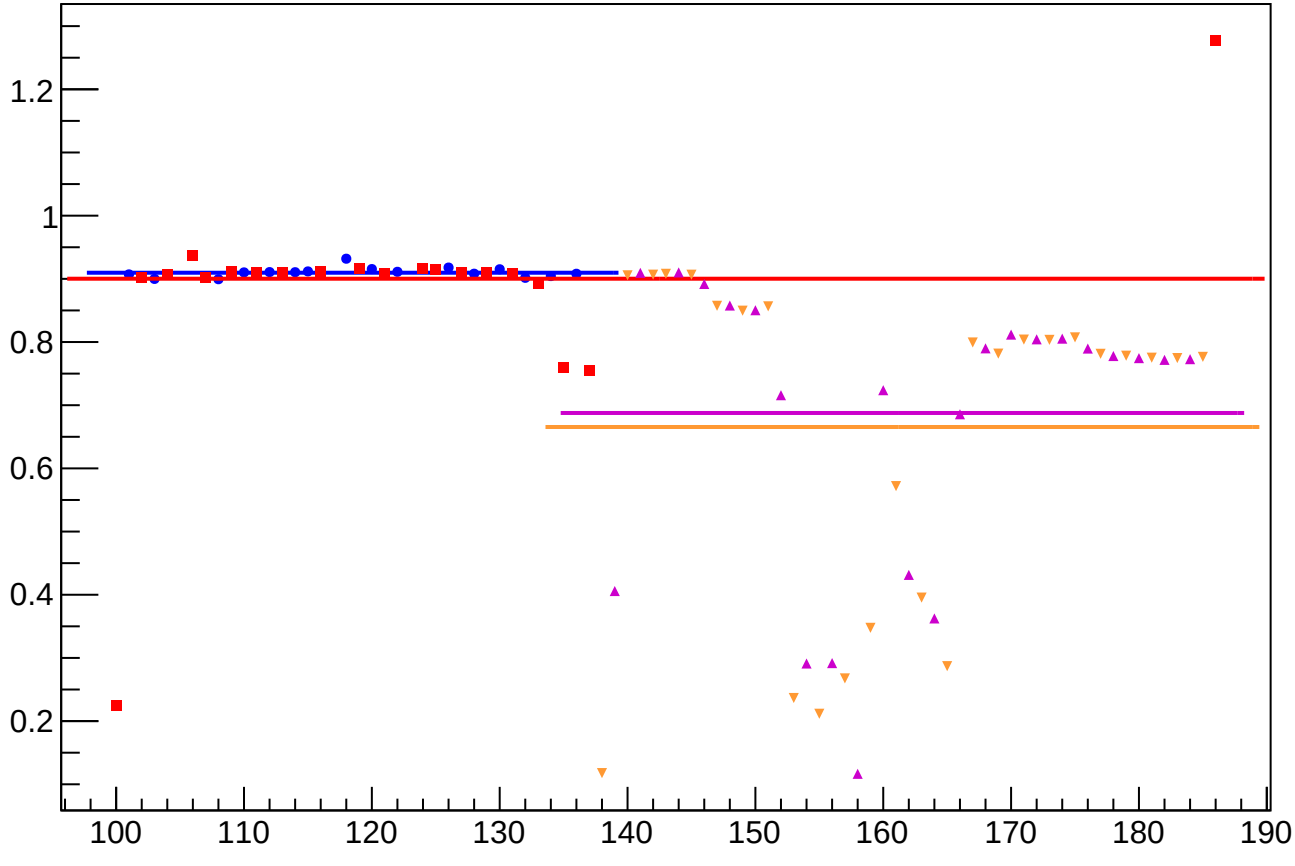
Right: 0.004+/-0.000 χ^2/NDF: 1374376.8/35

In: 0.003+/-0.000 χ^2/NDF:2415223.5/38

Out: 0.003+/-0.000 χ^2/NDF:2914938.9/44

All: 0.003+/-0.000 χ^2/NDF: 5330455.9/83

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

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

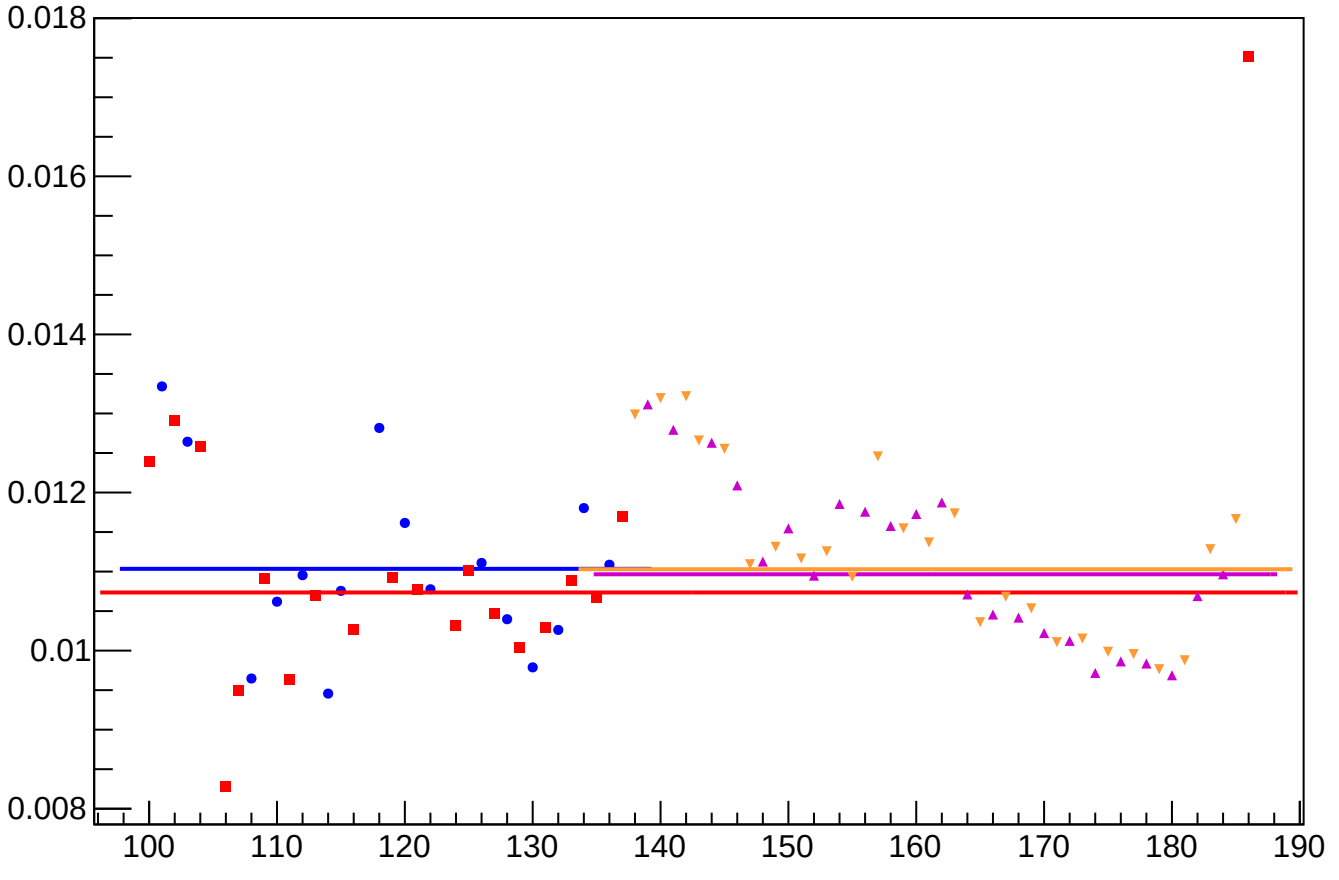
Right: 0.905+/-0.000 χ^2/NDF: 508895470.4/35

In: 0.750+/-0.000 χ^2/NDF:9003282872.7/38

Out: 0.736+/-0.000 χ^2/NDF:12228103634.7/44

All: 0.743+/-0.000 χ^2/NDF: 21250768604.0/8

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

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

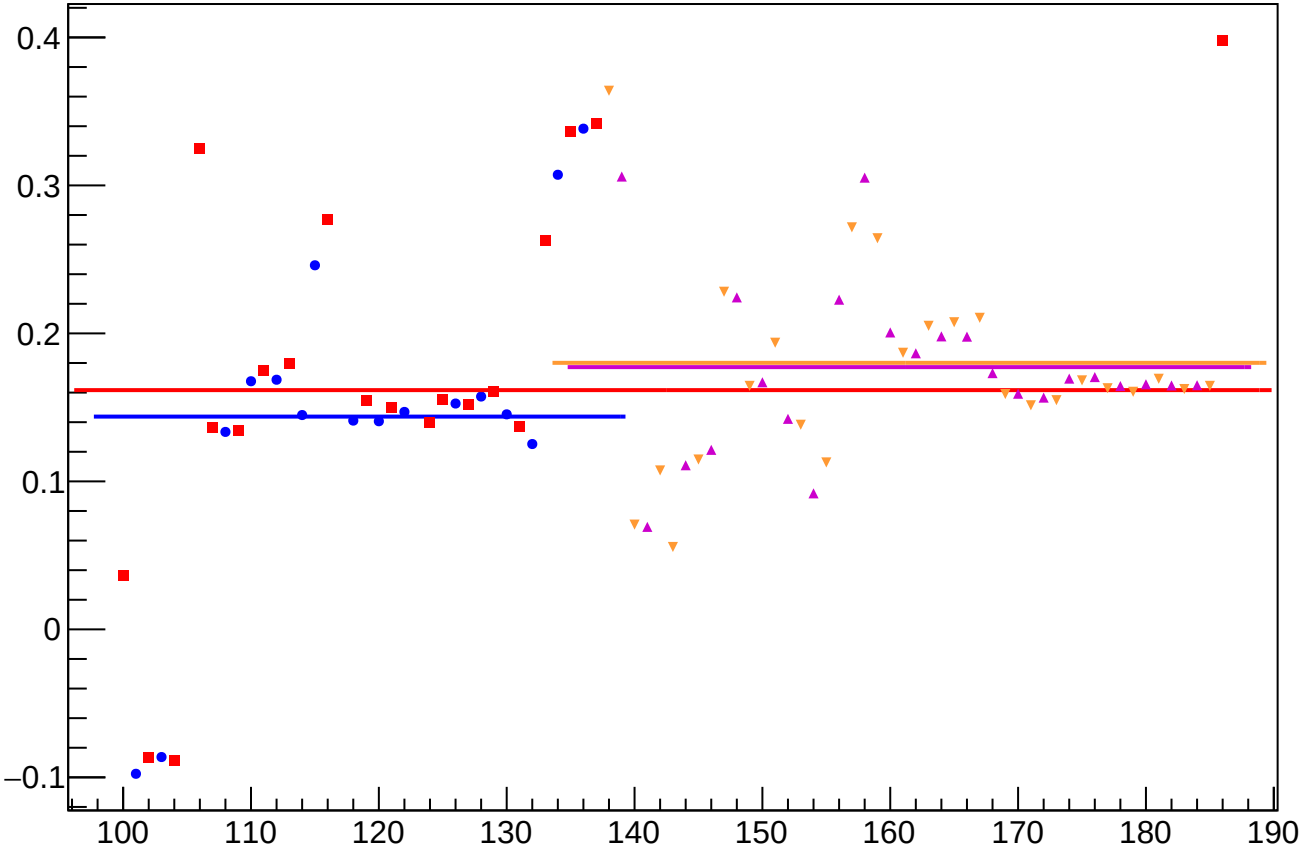
Right: 0.011+/-0.000 χ^2/NDF: 393210.7/35

In: 0.011+/-0.000 χ^2/NDF:418389.1/38

Out: 0.011+/-0.000 χ^2/NDF:564769.9/44

All: 0.011+/-0.000 χ^2/NDF: 983564.1/83

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

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

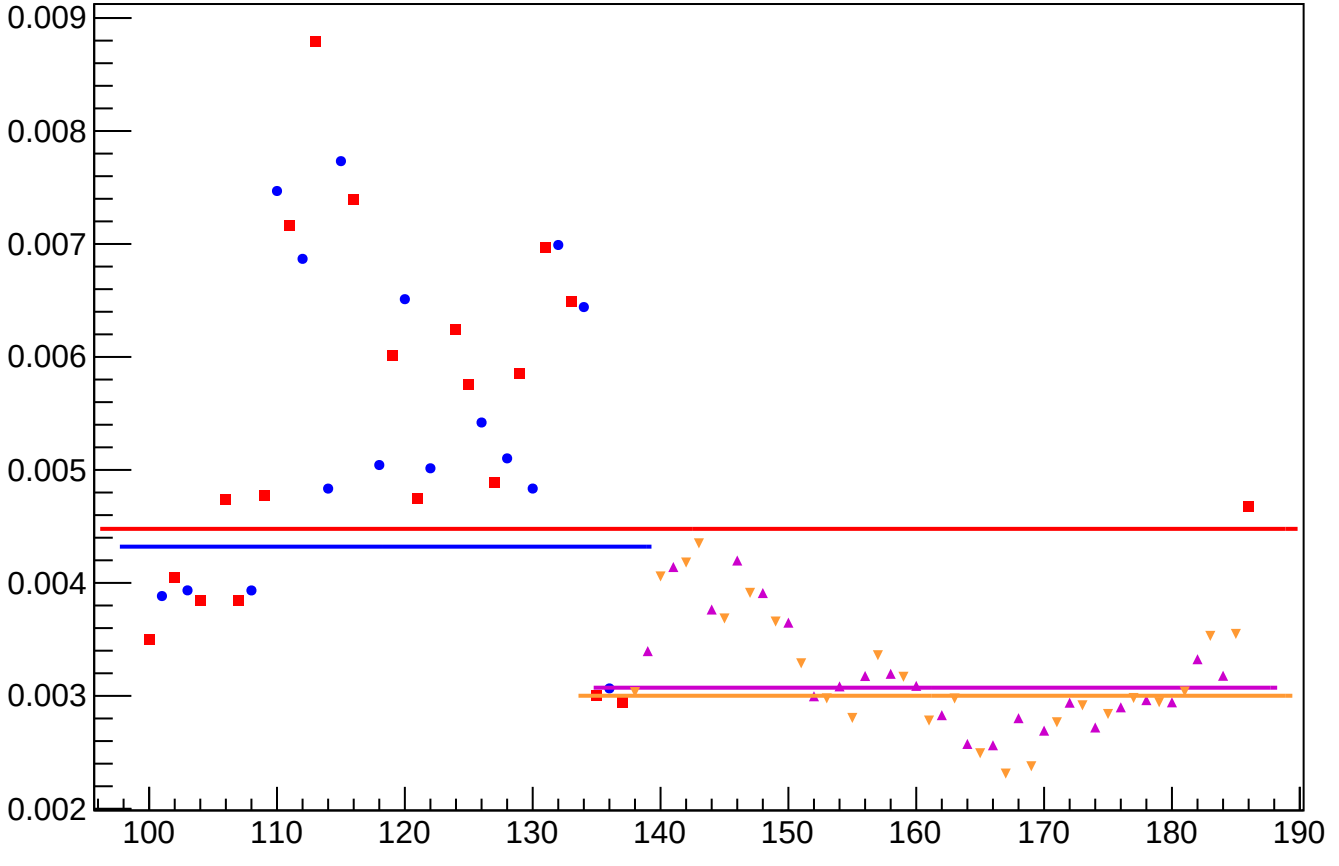
Right: 0.153+/-0.000 χ^2/NDF: 16031377559.4/35

In: 0.172+/-0.000 χ^2/NDF:12780431192.8/38

Out: 0.178+/-0.000 χ^2/NDF:14655424382.8/44

All: 0.175+/-0.000 χ^2/NDF: 27466179213.4/8

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF: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

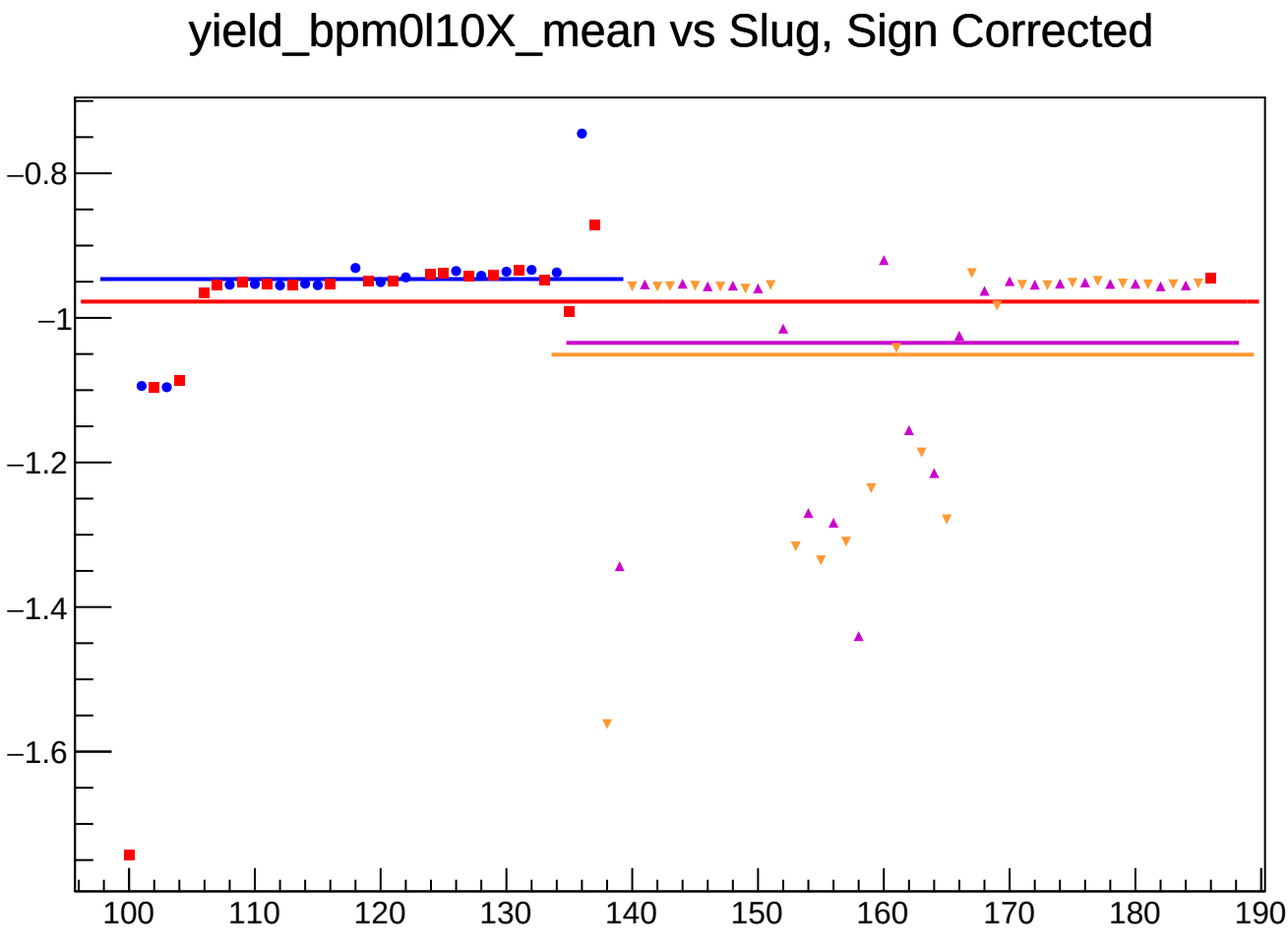
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.004+/-0.000 χ^2/NDF: 1973250.5/35

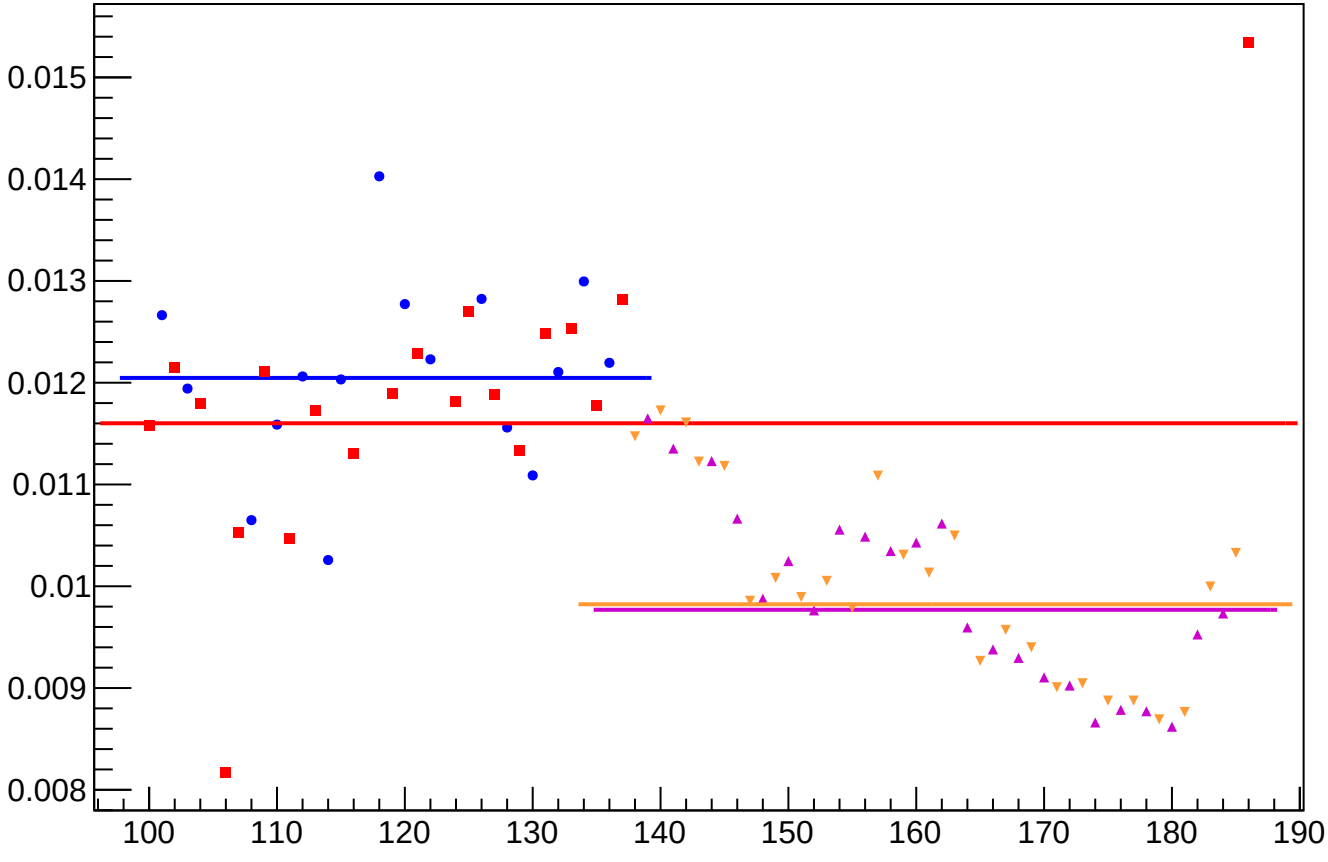
In: 0.003+/-0.000 χ^2/NDF:2280890.4/38

Out: 0.003+/-0.000 χ^2/NDF:3157577.2/44

All: 0.003+/-0.000 χ^2/NDF: 5444202.2/83


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.946+/-0.000 χ²/NDF: 404509465.5/15
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.978+/-0.000 χ²/NDF: 462753480.4/19
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9032853026.0/47
Right: -0.963+/-0.000 χ²/NDF: 892199049.5/35
In: -1.016+/-0.000 χ²/NDF:4623313193.9/38
Out: -1.034+/-0.000 χ²/NDF:5777338799.5/44
All: -1.026+/-0.000 χ²/NDF: 10438773506.1/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

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

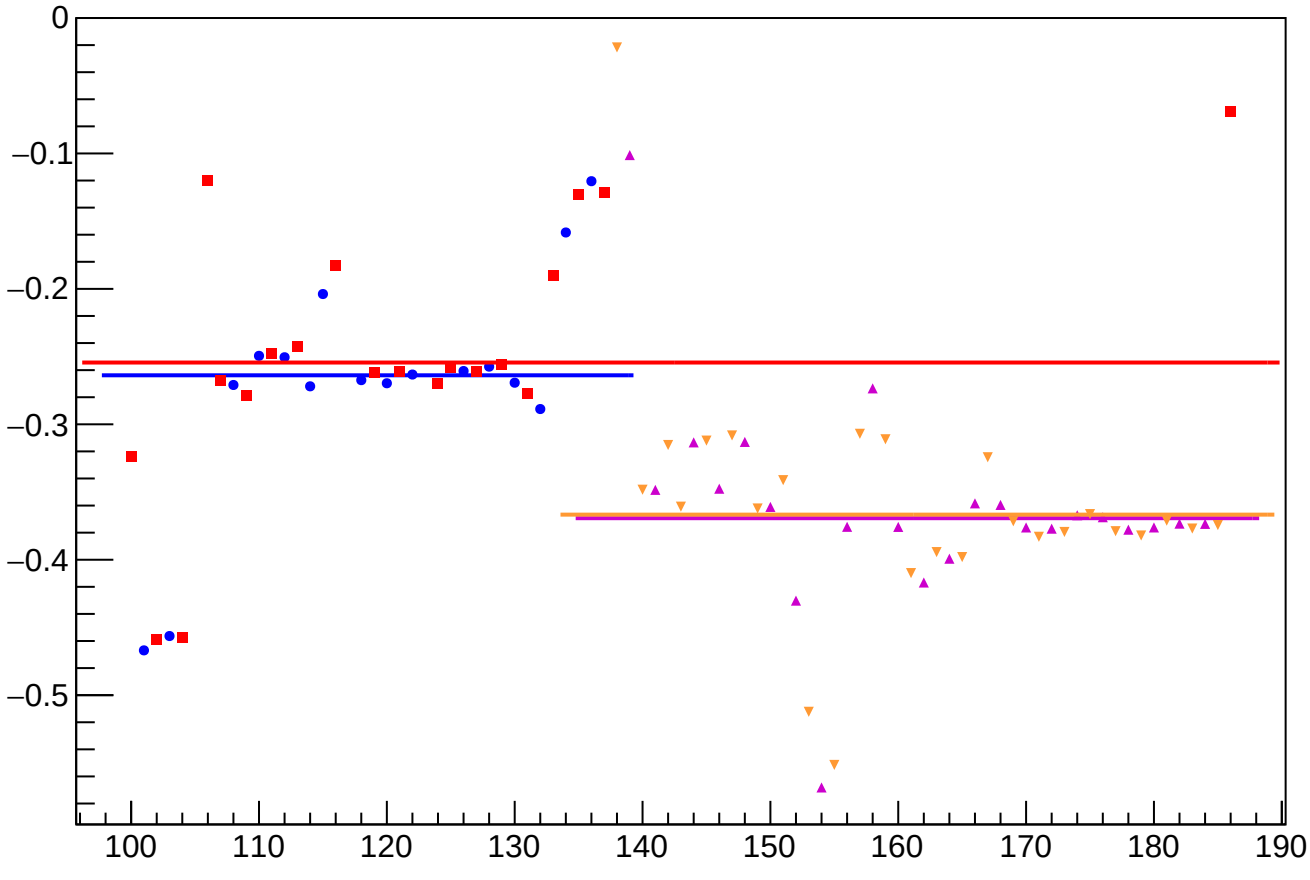
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 269424.6/35

In: 0.010+/-0.000 χ^2/NDF:735089.5/38

Out: 0.010+/-0.000 χ^2/NDF:764049.8/44

All: 0.010+/-0.000 χ^2/NDF: 1499171.4/83



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.254+/-0.000 χ^2/NDF: 5871269608.9/19

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

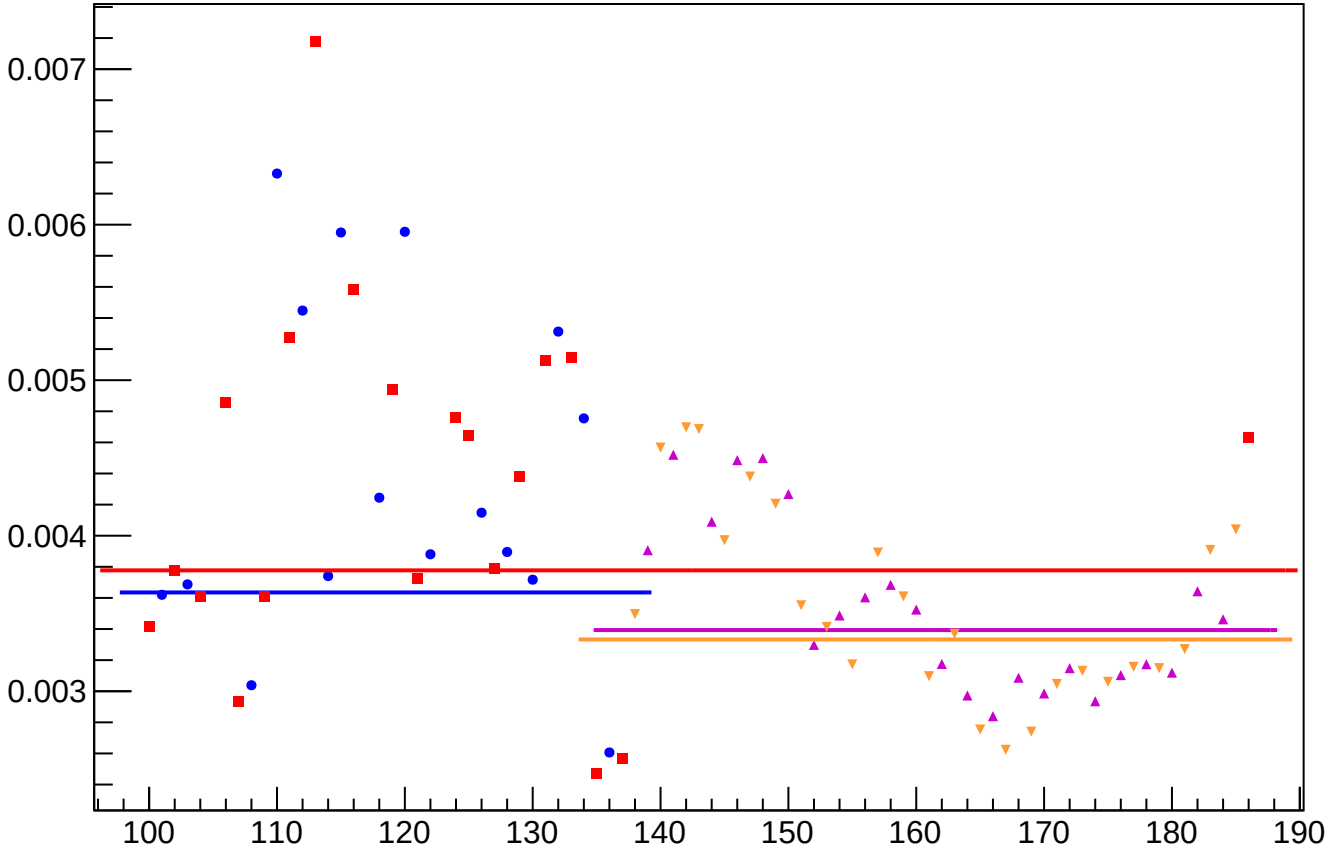
Right: -0.259+/-0.000 χ^2/NDF: 11997065227.7/35

In: -0.345+/-0.000 χ^2/NDF:17417447990.6/38

Out: -0.342+/-0.000 χ^2/NDF:22213230862.6/44

All: -0.343+/-0.000 χ^2/NDF: 39638731976.0/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF: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

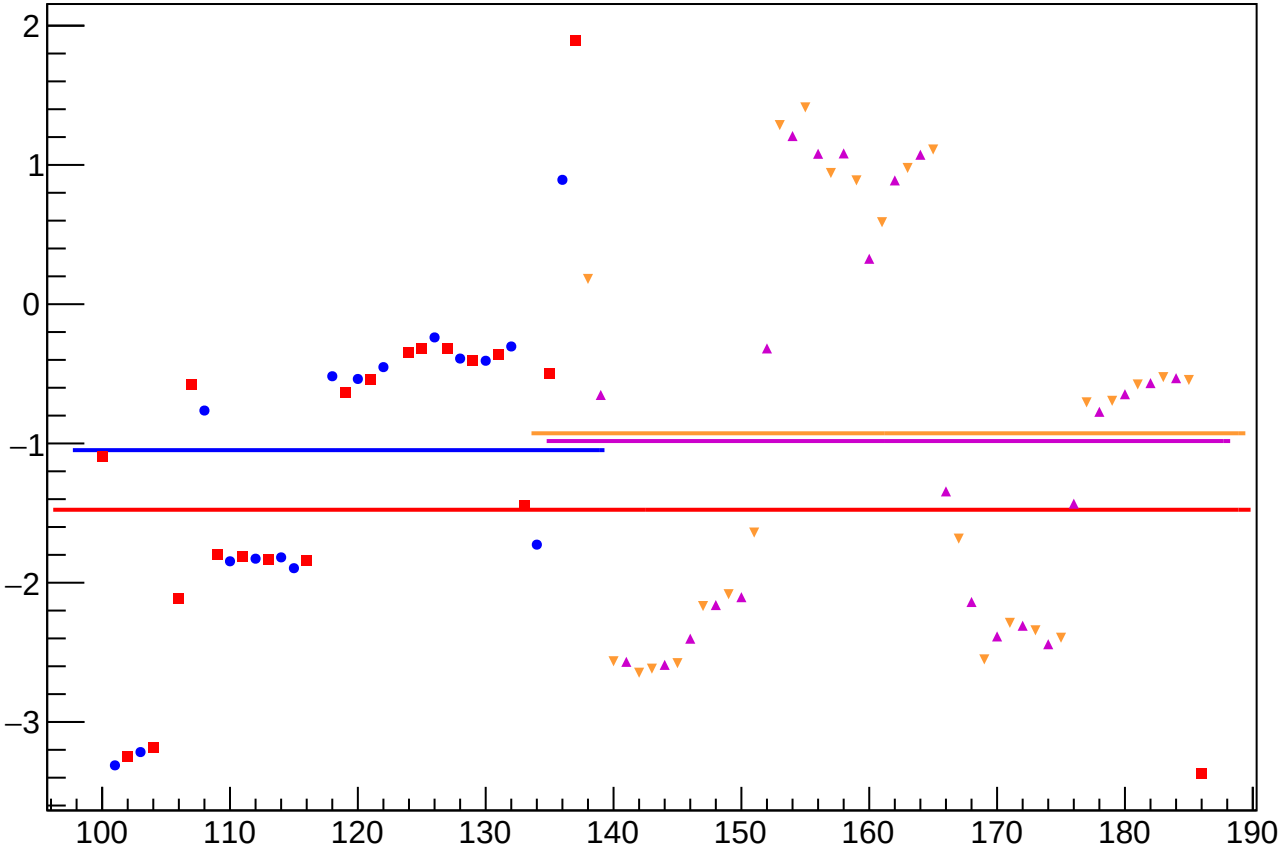
Right: 0.004+/-0.000 χ^2/NDF: 1658317.7/35

In: 0.003+/-0.000 χ^2/NDF:1401415.8/38

Out: 0.003+/-0.000 χ^2/NDF:1916230.5/44

All: 0.003+/-0.000 χ^2/NDF: 3318330.4/83

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

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

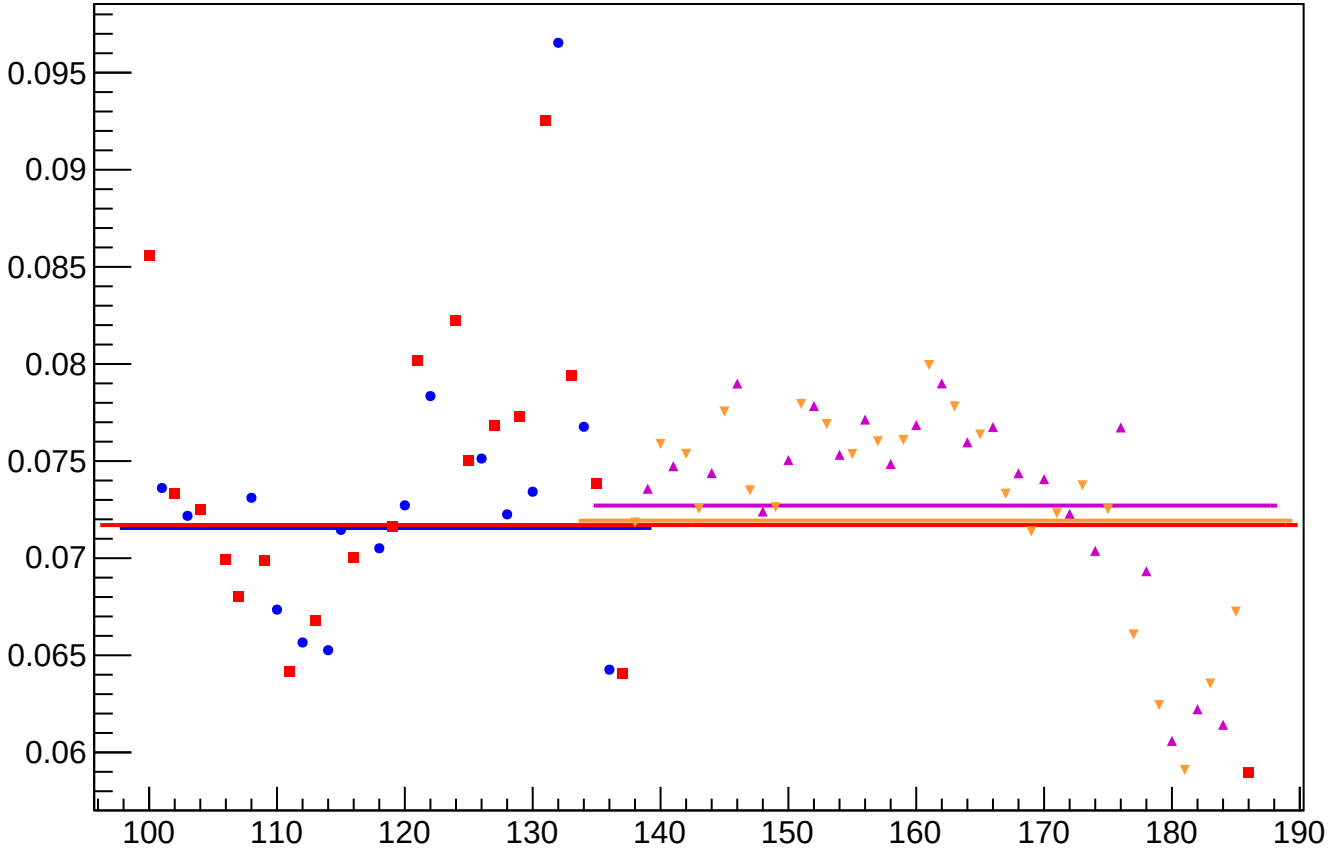
Right: -1.271+/-0.000 χ^2/NDF: 4770862294.3/35

In: -1.002+/-0.000 χ^2/NDF:8270154895.3/38

Out: -1.085+/-0.000 χ^2/NDF:9860779902.7/44

All: -1.045+/-0.000 χ^2/NDF: 18148317293.2/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.072+/-0.000 χ^2/NDF: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

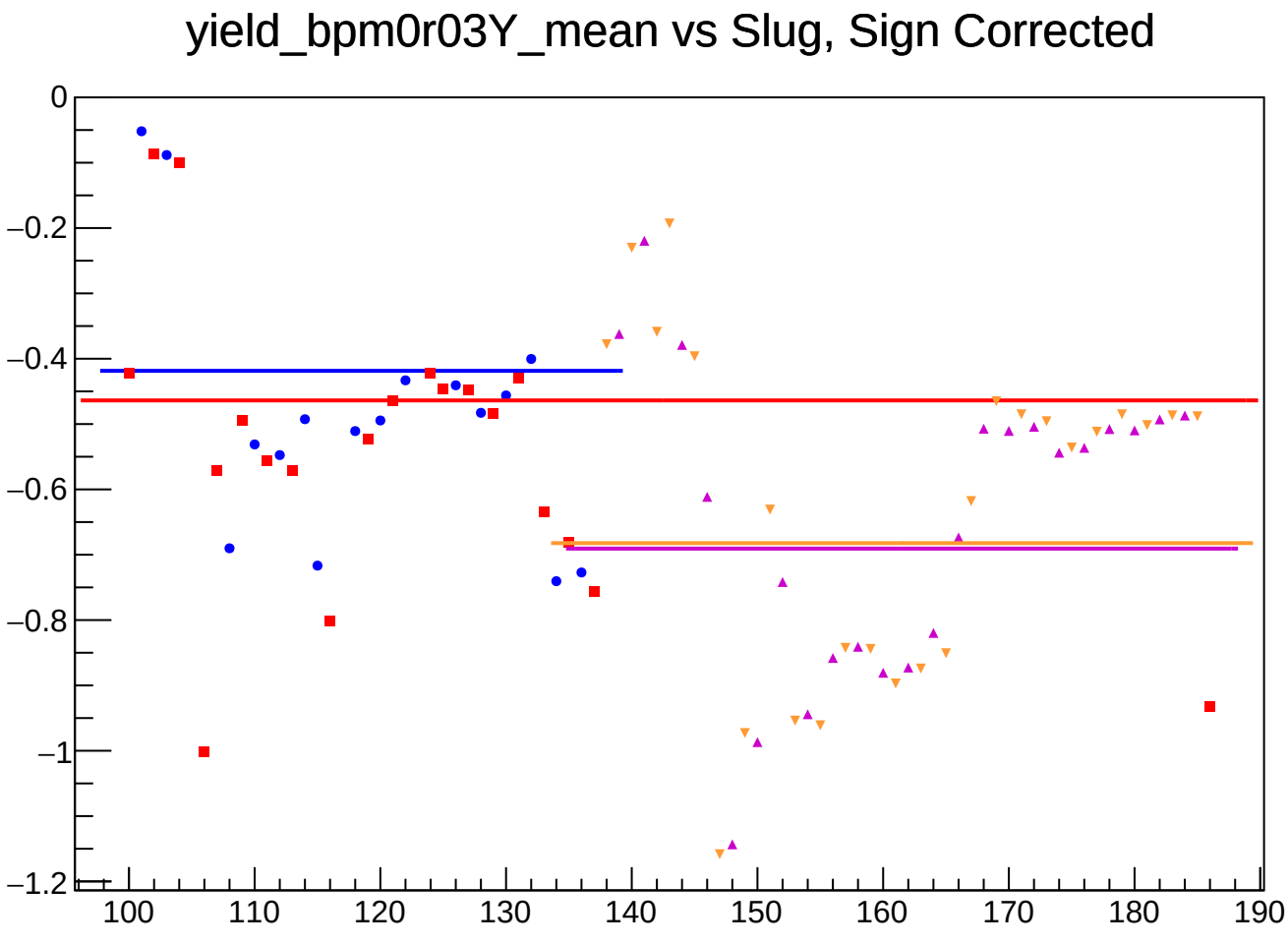
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.072+/-0.000 χ^2/NDF: 238375.2/35

In: 0.072+/-0.000 χ^2/NDF:300840.3/38

Out: 0.072+/-0.000 χ^2/NDF:372747.9/44

All: 0.072+/-0.000 χ^2/NDF: 674867.2/83



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.464+/-0.000 χ^2/NDF: 3941879031.1/19

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

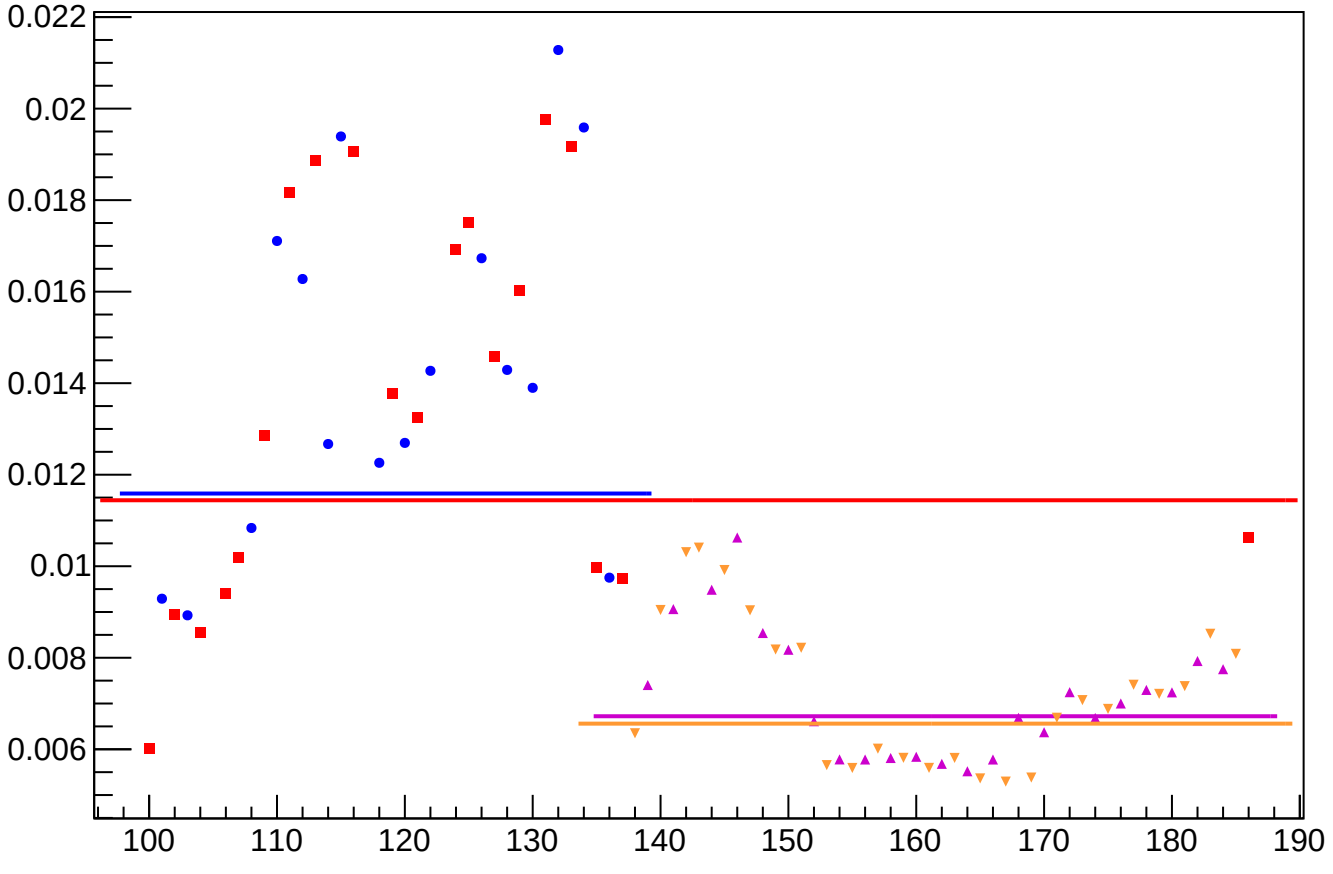
Right: -0.442+/-0.000 χ^2/NDF: 7061601112.3/35

In: -0.661+/-0.000 χ^2/NDF:22872434491.7/38

Out: -0.659+/-0.000 χ^2/NDF:27836744621.9/44

All: -0.660+/-0.000 χ^2/NDF: 50710465029.7/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.007+/-0.000 χ^2/NDF: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

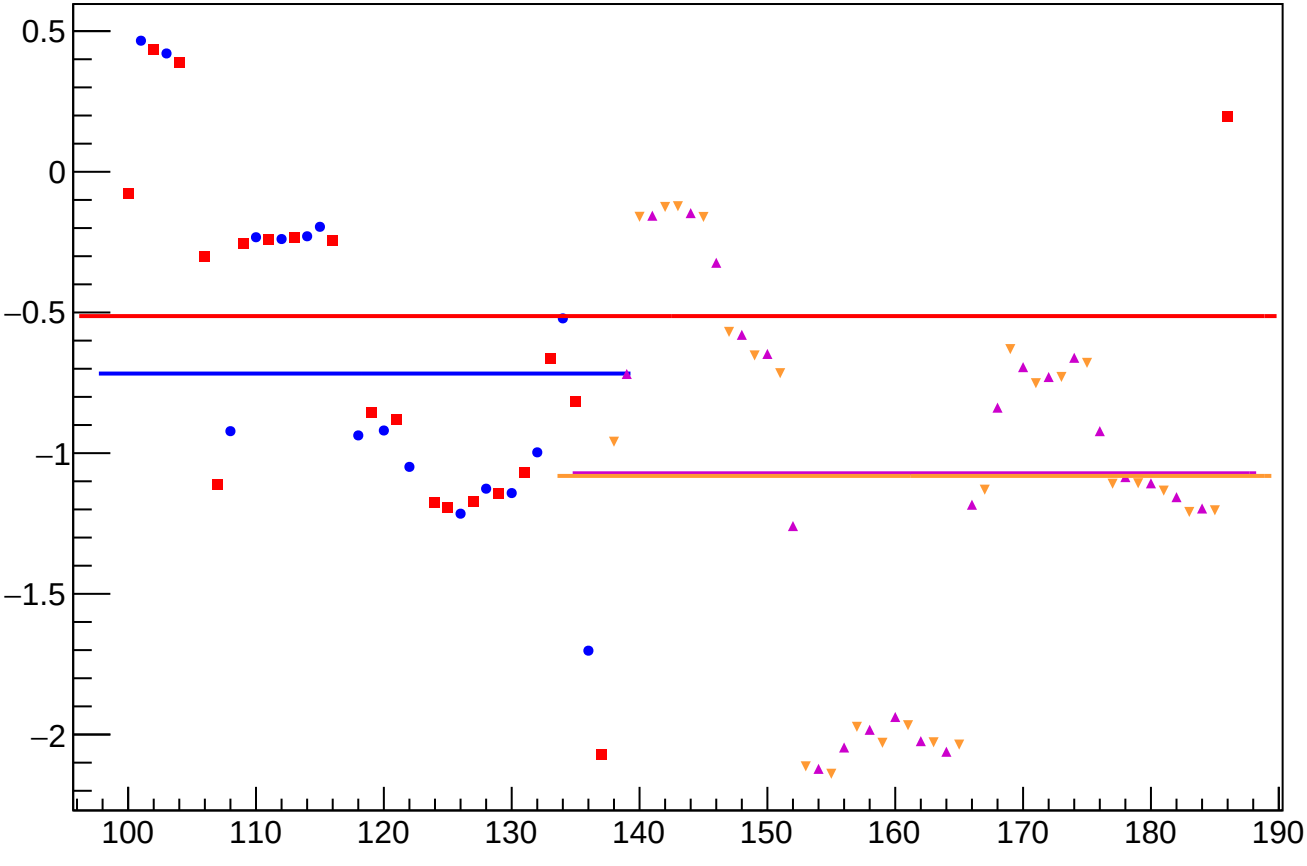
Right: 0.012+/-0.000 χ^2/NDF: 1956445.6/35

In: 0.007+/-0.000 χ^2/NDF:3624047.1/38

Out: 0.007+/-0.000 χ^2/NDF:4643271.3/44

All: 0.007+/-0.000 χ^2/NDF: 8279019.4/83

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

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

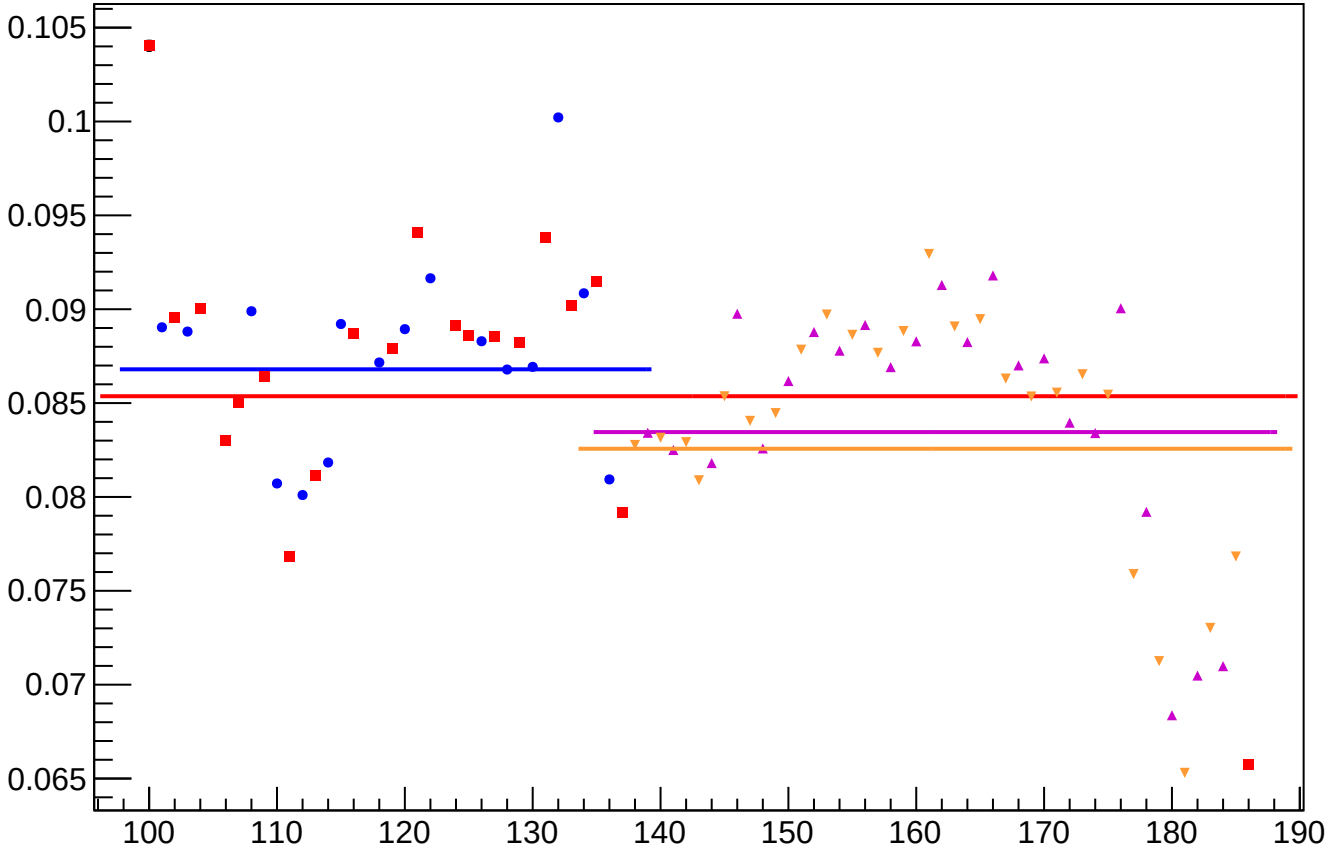
Right: -0.609+/-0.000 χ^2/NDF: 852673851.4/35

In: -0.977+/-0.000 χ^2/NDF:1500593806.6/38

Out: -0.924+/-0.000 χ^2/NDF:1796754290.4/44

All: -0.949+/-0.000 χ^2/NDF: 3302505624.2/8

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.083+/-0.000 χ^2/NDF: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

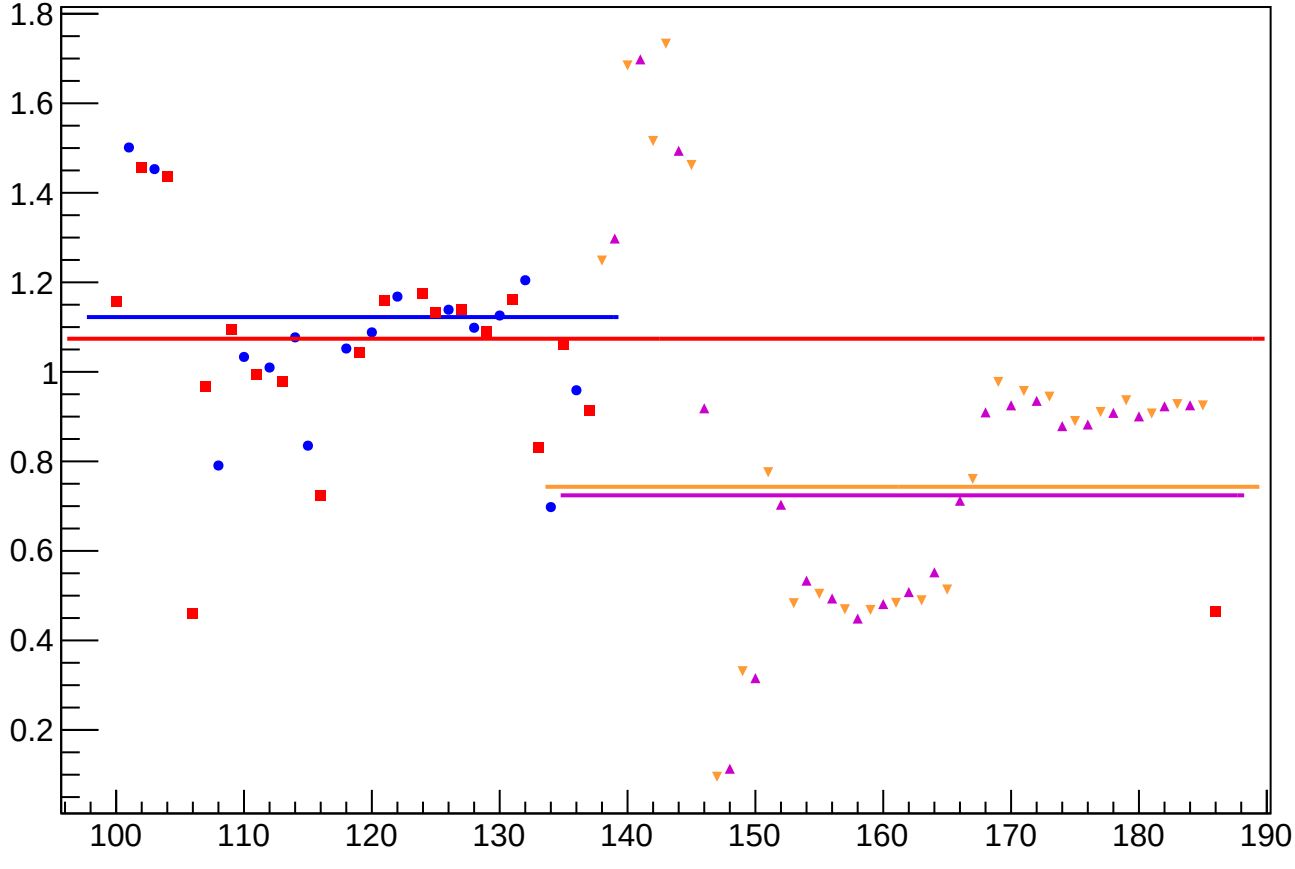
Right: 0.086+/-0.000 χ^2/NDF: 171677.6/35

In: 0.084+/-0.000 χ^2/NDF:297557.5/38

Out: 0.083+/-0.000 χ^2/NDF:429299.5/44

All: 0.084+/-0.000 χ^2/NDF: 730637.9/83

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

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

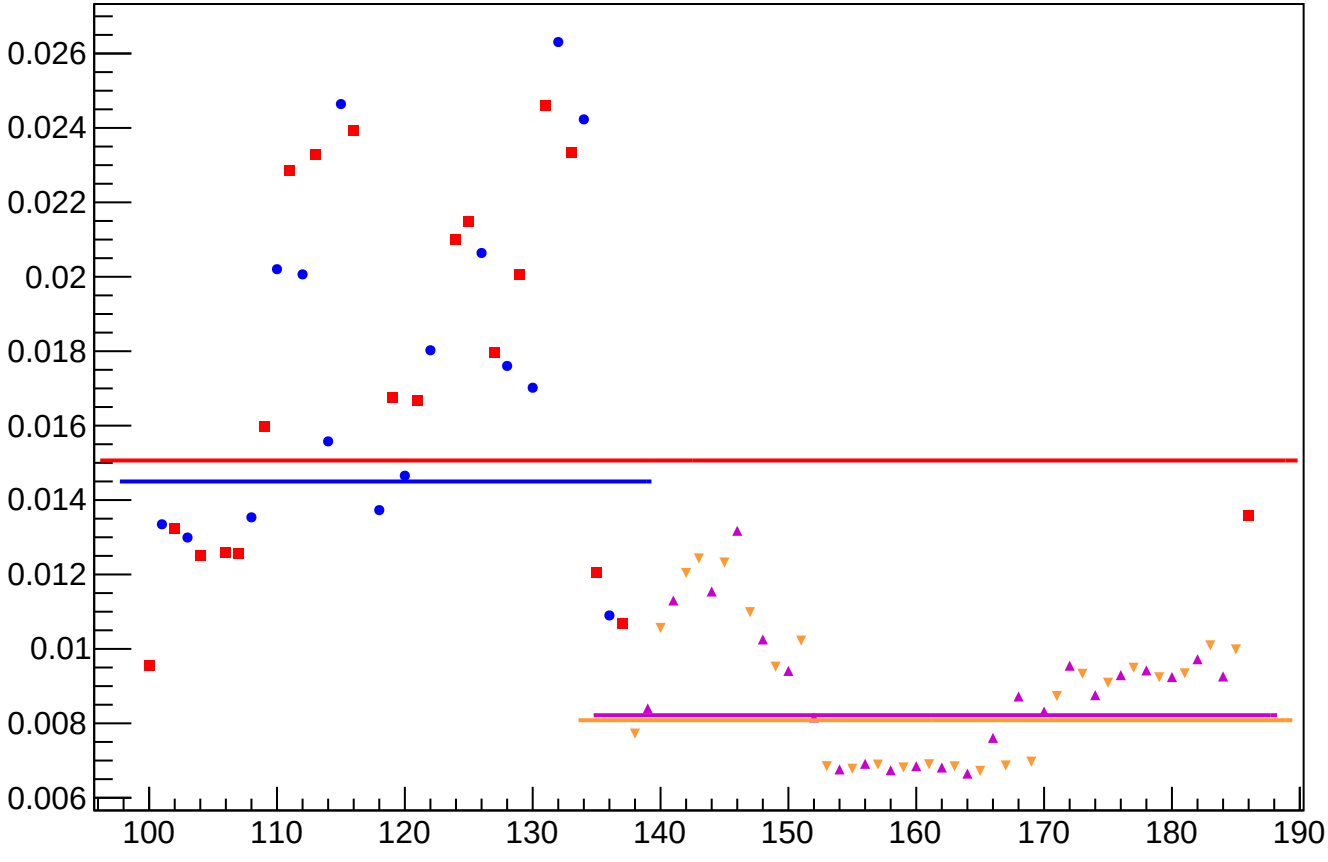
Right: 1.098+/-0.000 χ^2/NDF: 3823543001.9/35

In: 0.765+/-0.000 χ^2/NDF:31149875625.7/38

Out: 0.775+/-0.000 χ^2/NDF:37747412720.1/44

All: 0.770+/-0.000 χ^2/NDF: 68910662949.3/8

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF: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

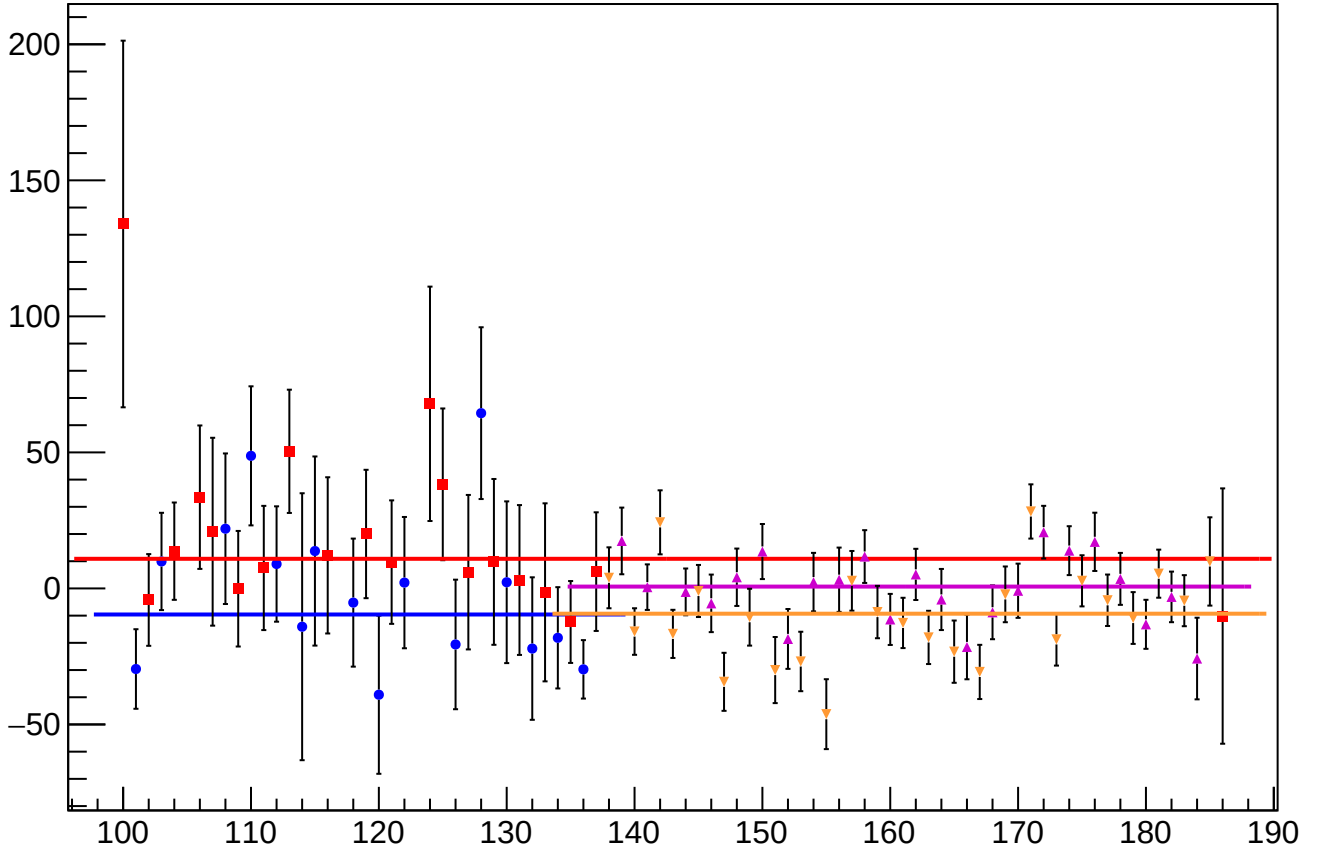
Right: 0.015+/-0.000 χ^2/NDF: 1592981.0/35

In: 0.009+/-0.000 χ^2/NDF:3848564.2/38

Out: 0.009+/-0.000 χ^2/NDF:4799320.8/44

All: 0.009+/-0.000 χ^2/NDF: 8651694.1/83

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

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

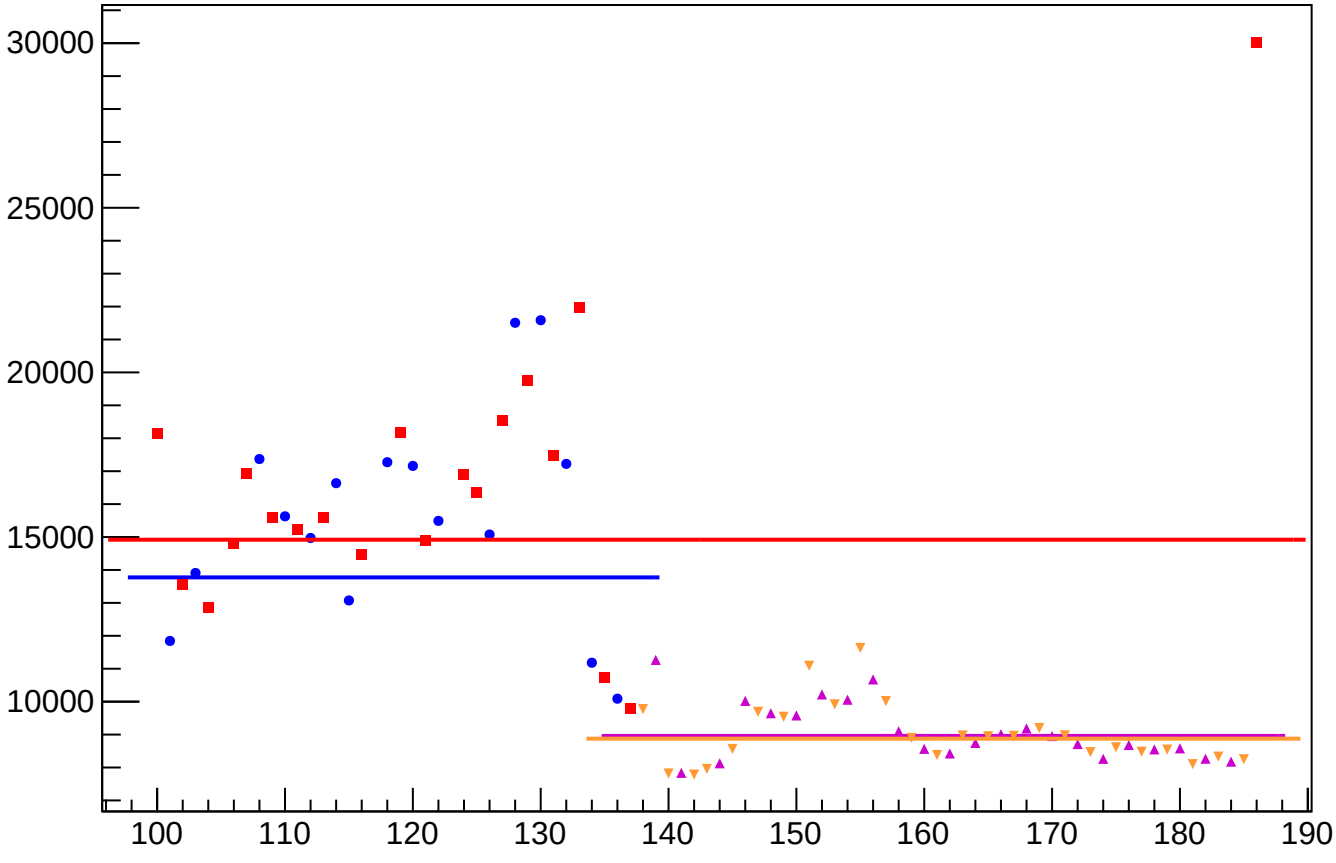
Right: 0.332+/-3.799 χ^2/NDF: 43.2/35

In: -0.725+/-1.955 χ^2/NDF:54.6/38

Out: -6.839+/-1.903 χ^2/NDF:87.2/44

All: -3.865+/-1.364 χ^2/NDF: 146.8/83

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

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

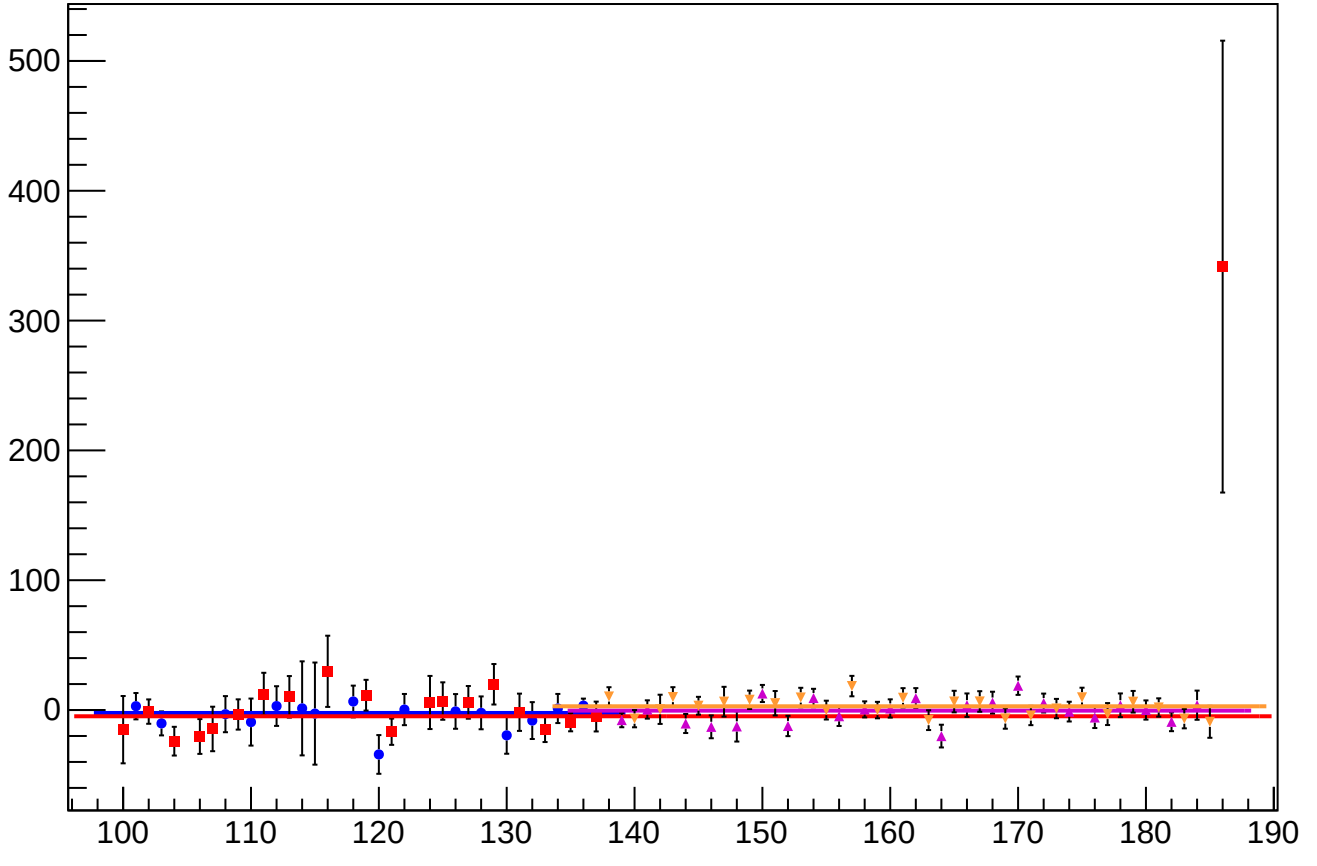
Right: 14328.576+/-2.687 χ^2/NDF: 1560007.6/35

In: 9616.299+/-1.383 χ^2/NDF:2479732.3/38

Out: 9610.004+/-1.346 χ^2/NDF:3266817.1/44

All: 9613.067+/-0.964 χ^2/NDF: 5746560.0/83

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

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

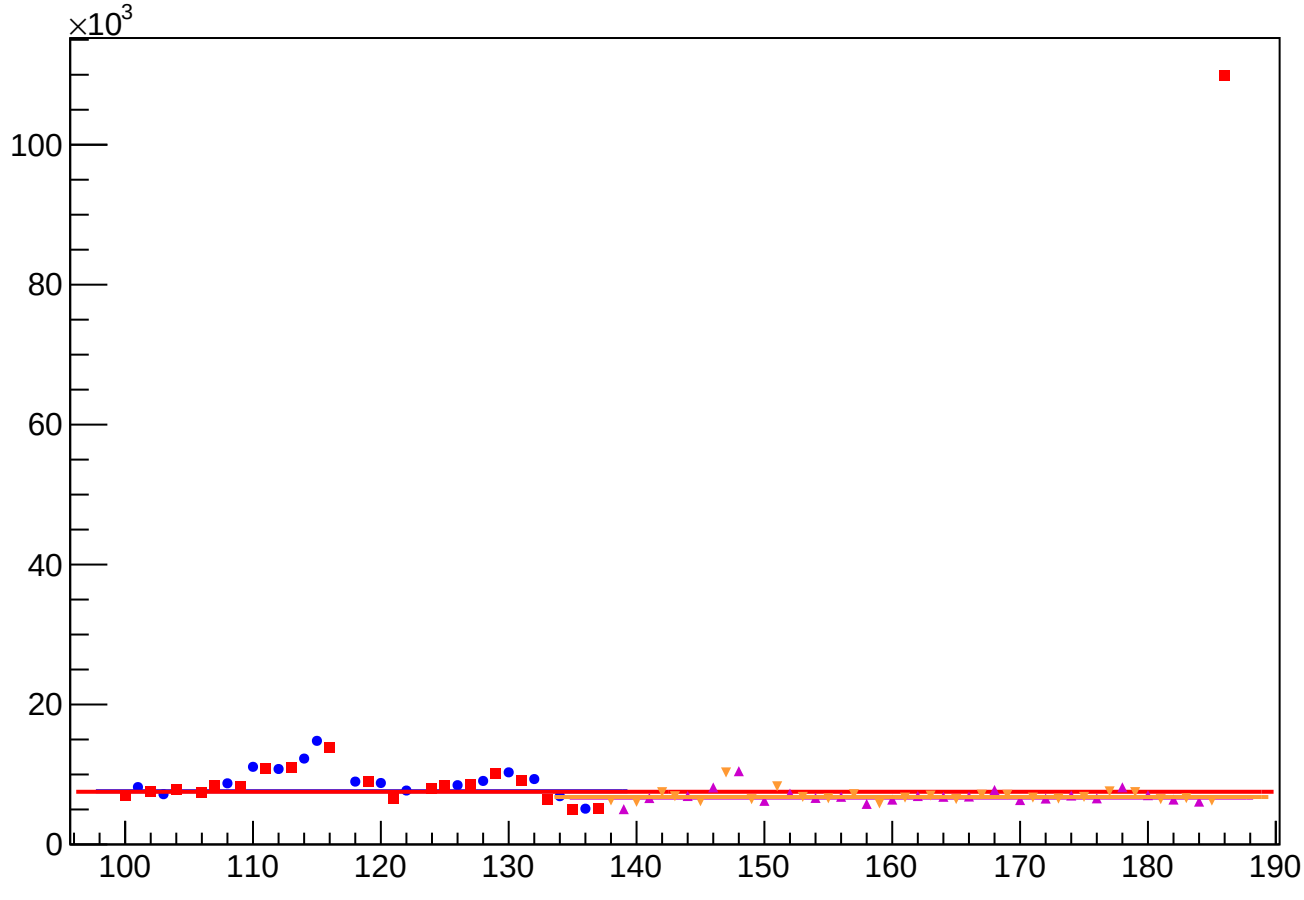
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -3.578+/-2.035 χ^2/NDF: 31.2/35

In: -0.866+/-1.391 χ^2/NDF:42.4/38

Out: 1.103+/-1.363 χ^2/NDF:46.7/44

All: 0.139+/-0.973 χ^2/NDF: 90.1/83



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

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

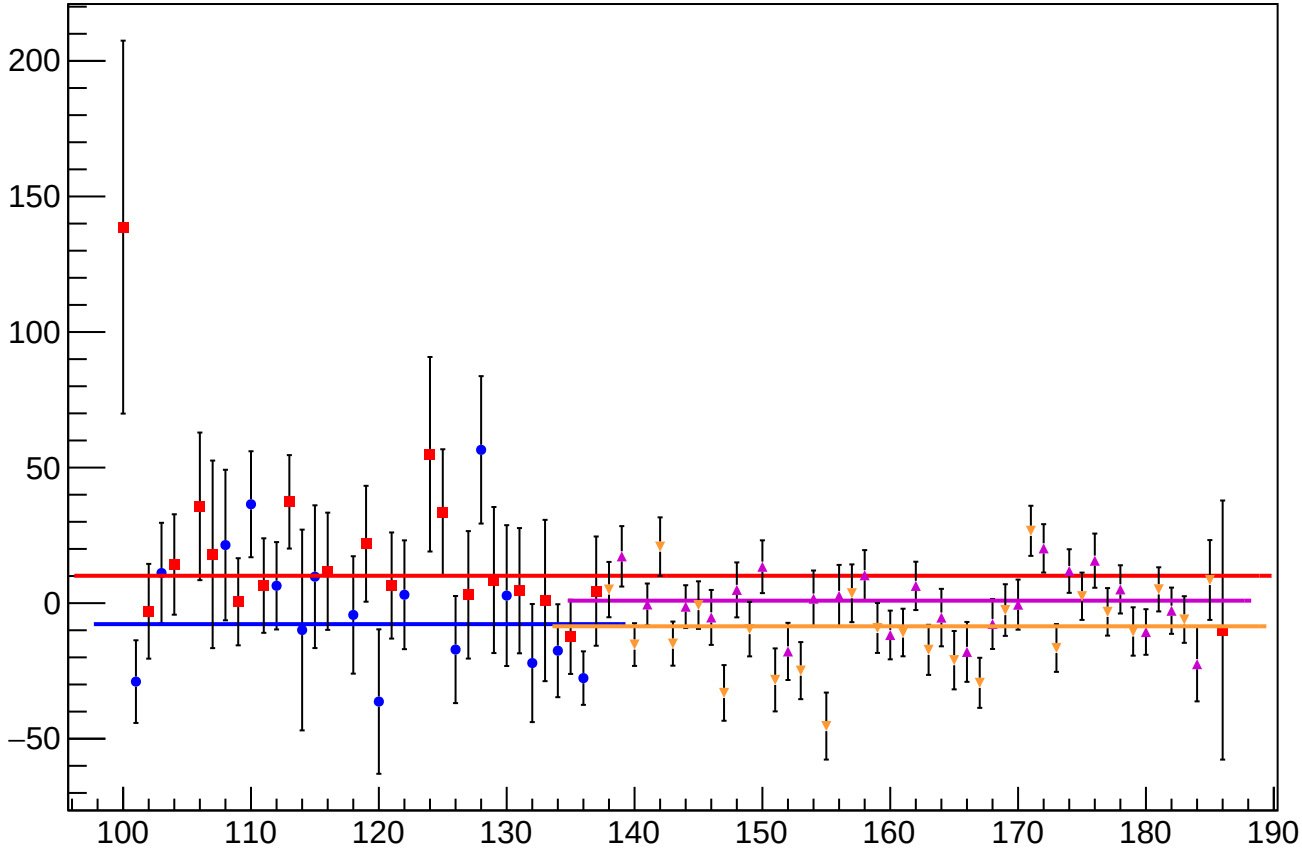
Right: 7566.041+/-1.439 χ^2/NDF: 2407537.3/35

In: 6897.105+/-0.983 χ^2/NDF:1663833.6/38

Out: 6950.380+/-0.964 χ^2/NDF:2023665.1/44

All: 6924.288+/-0.688 χ^2/NDF: 3688996.0/83

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

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

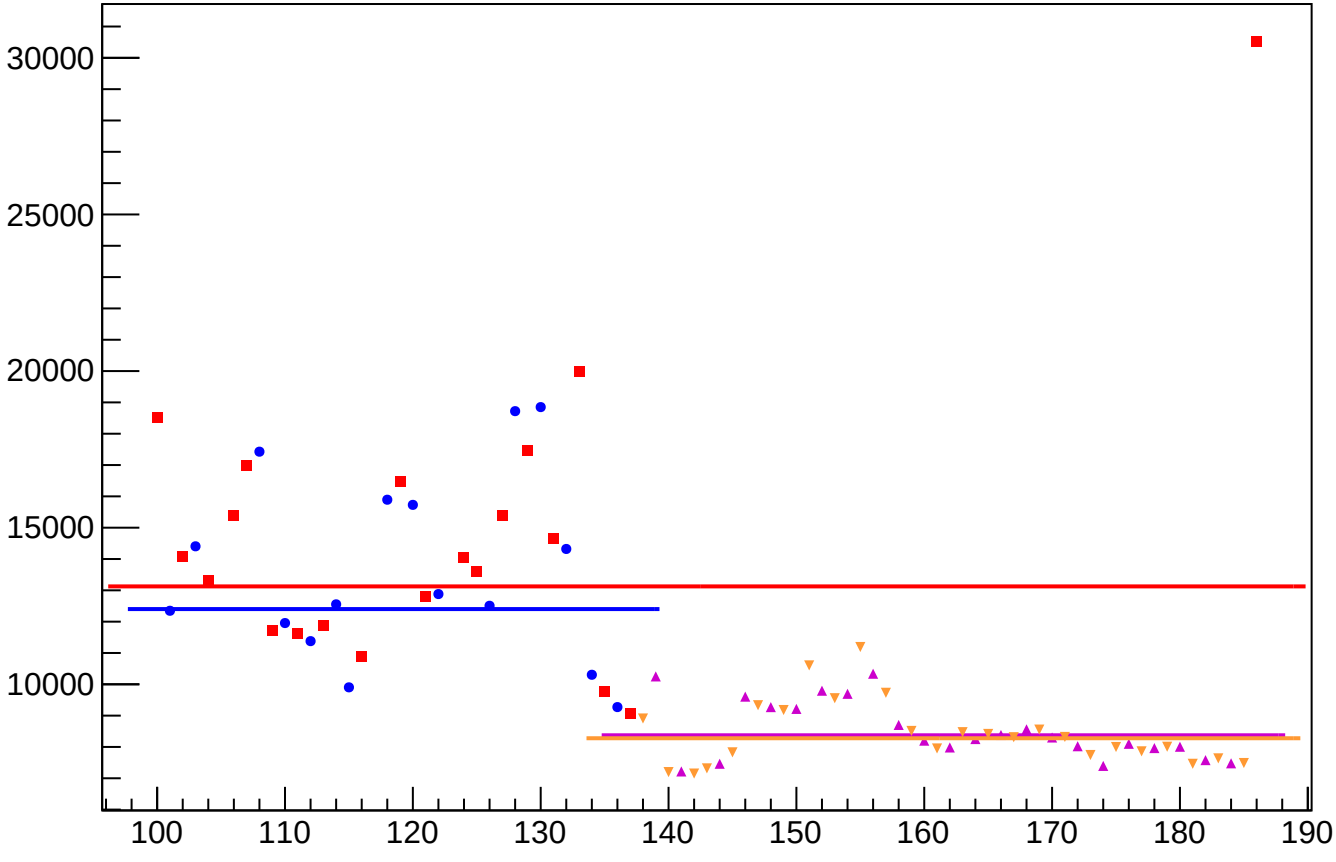
Right: 1.056+/-3.381 χ^2/NDF: 43.7/35

In: -0.351+/-1.819 χ^2/NDF:54.6/38

Out: -6.033+/-1.765 χ^2/NDF:89.0/44

All: -3.278+/-1.267 χ^2/NDF: 148.6/83

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

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

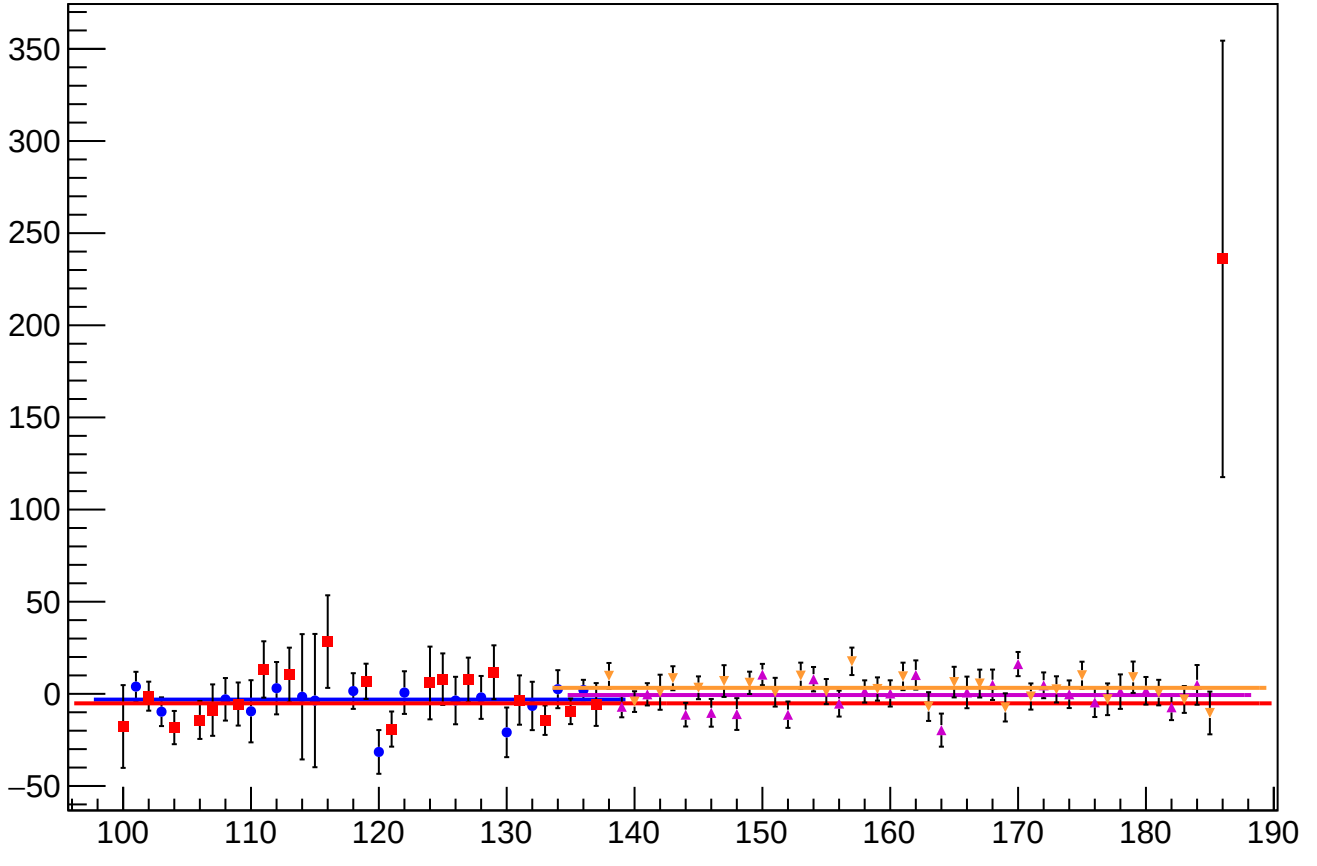
Right: 12758.637+/-2.391 χ^2/NDF: 1523994.7/35

In: 8963.559+/-1.286 χ^2/NDF:2300184.1/38

Out: 8928.917+/-1.248 χ^2/NDF:3032901.6/44

All: 8945.716+/-0.896 χ^2/NDF: 5333459.4/83

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

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

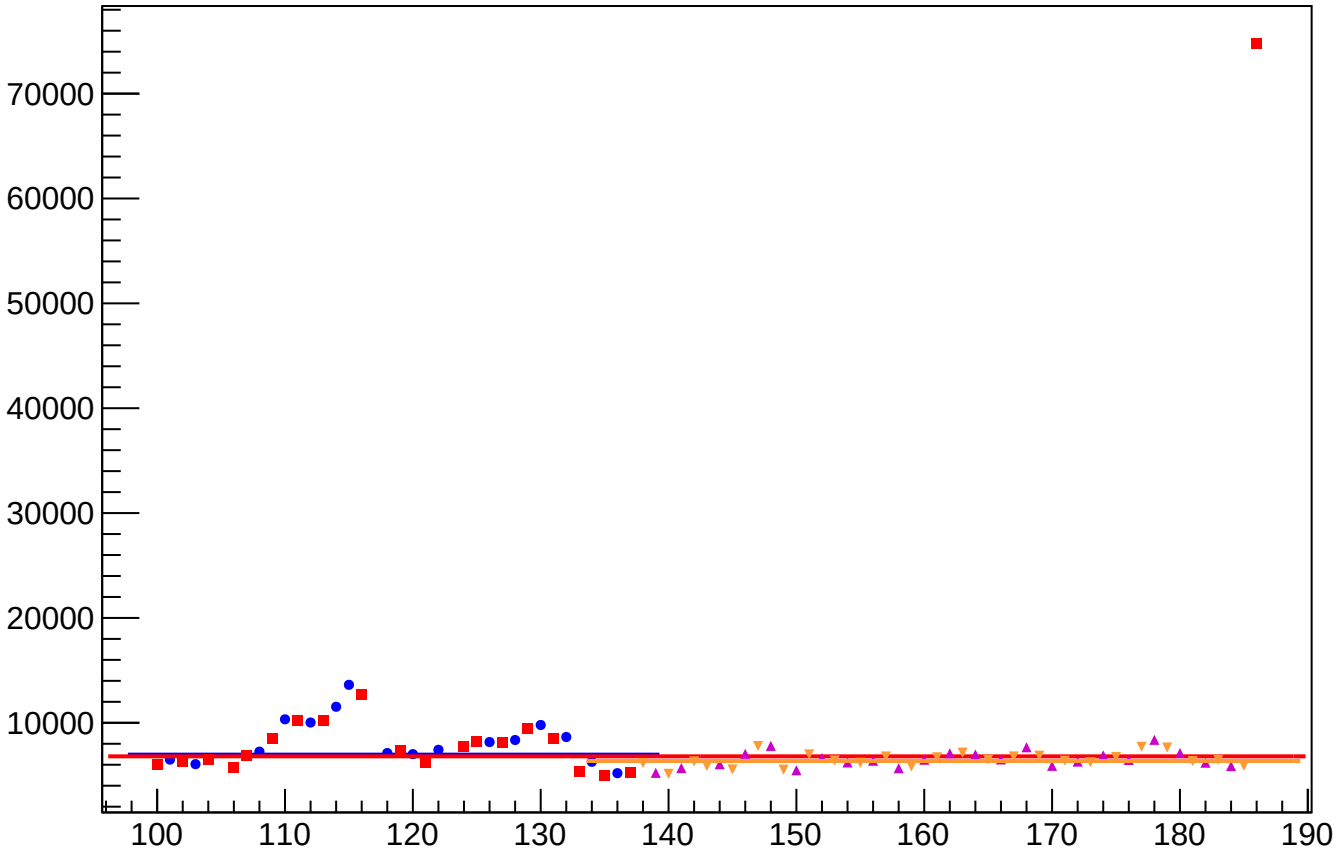
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -4.178+/-1.840 χ^2/NDF: 32.3/35

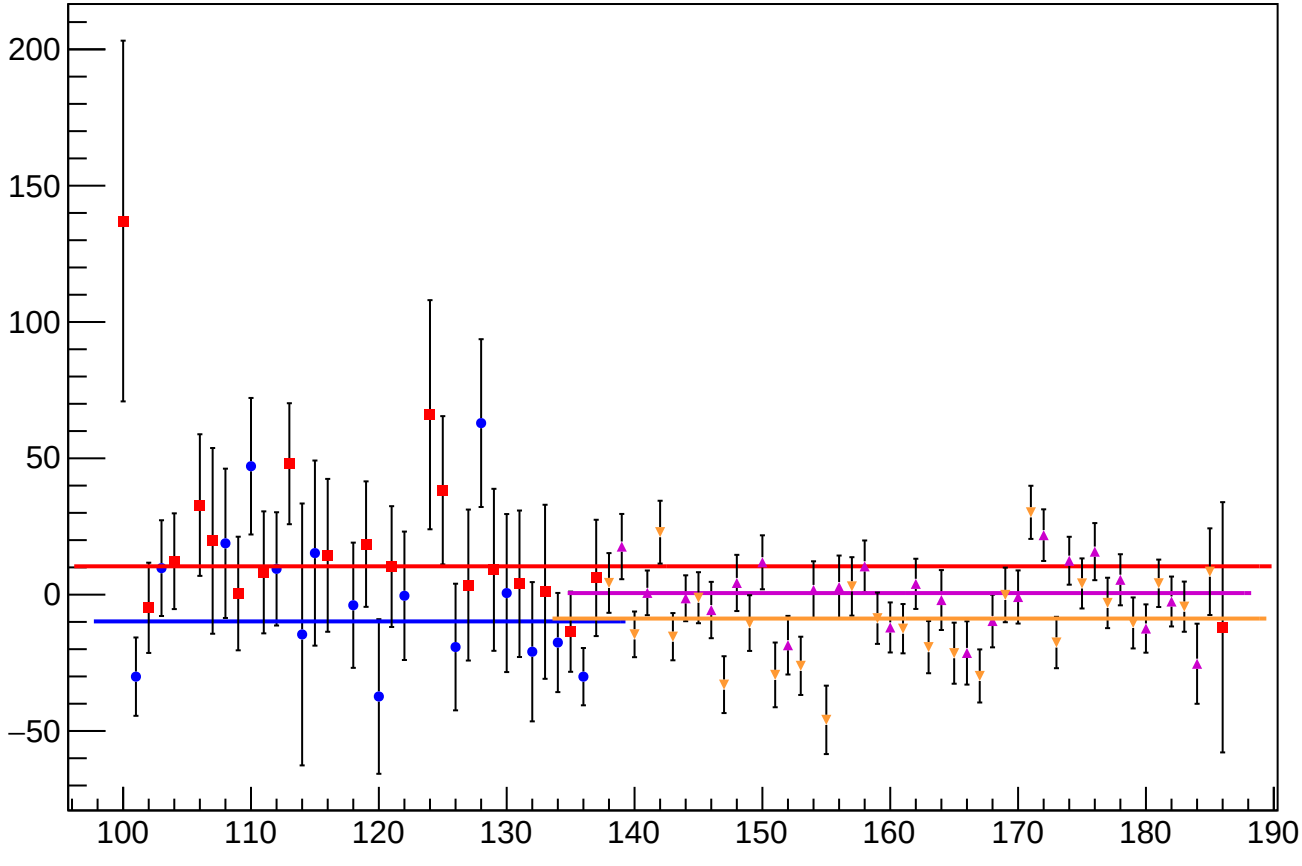
In: -1.244+/-1.306 χ^2/NDF:42.3/38

Out: 1.188+/-1.265 χ^2/NDF:46.9/44

All: 0.010+/-0.909 χ^2/NDF: 91.0/83


diff_bpm4eY_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 6961.606+/-1.878 χ²/NDF: 696410.4/15
Left Out: 6357.608+/-1.030 χ²/NDF:414119.5/24
Right Out: 6800.586+/-1.805 χ²/NDF: 1457358.4/19
Left In: 6359.907+/-1.060 χ²/NDF:473875.4/22
Left: 6358.725+/-0.739 χ²/NDF: 887997.3/47
Right: 6877.906+/-1.301 χ²/NDF: 2157590.7/35
In: 6505.328+/-0.923 χ²/NDF:1248141.7/38
Out: 6466.493+/-0.895 χ²/NDF:1916909.9/44
All: 6485.305+/-0.643 χ²/NDF: 3165964.0/83

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

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

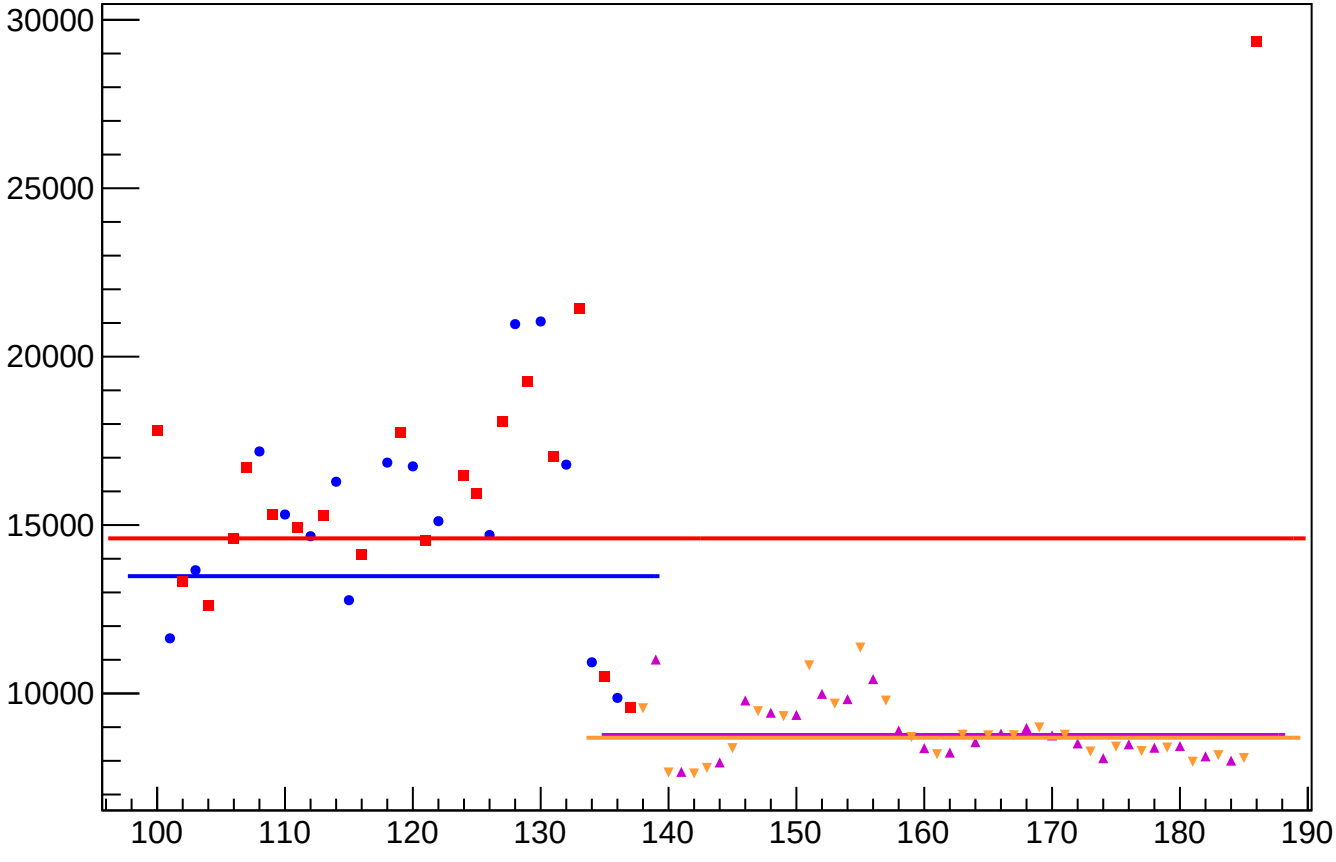
Right: -0.026+/-3.719 χ^2/NDF: 44.0/35

In: -0.840+/-1.913 χ^2/NDF:55.1/38

Out: -6.439+/-1.862 χ^2/NDF:88.6/44

All: -3.715+/-1.335 χ^2/NDF: 148.0/83

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

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

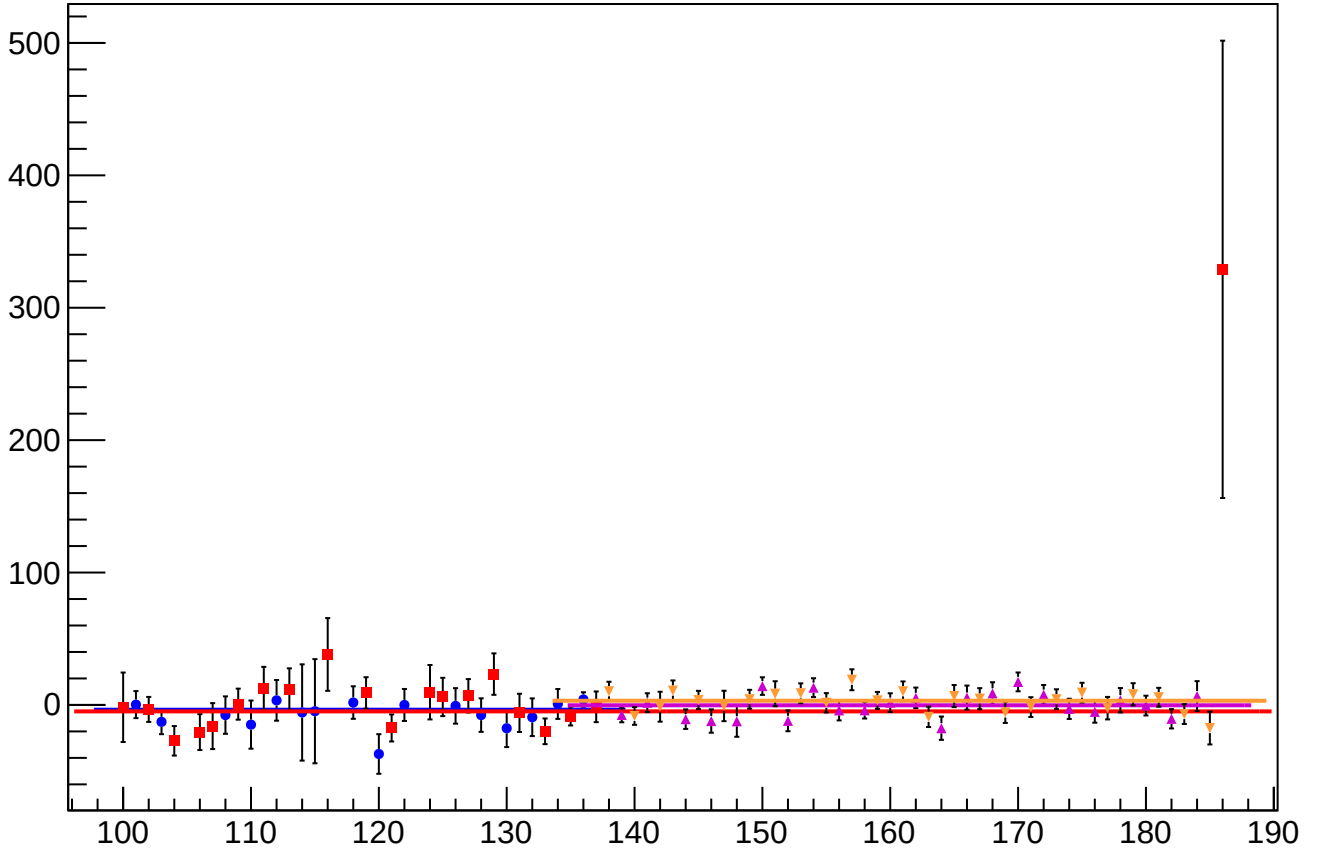
Right: 14026.404+/-2.630 χ^2/NDF: 1550890.3/35

In: 9411.526+/-1.353 χ^2/NDF:2471222.0/38

Out: 9404.979+/-1.317 χ^2/NDF:3258092.1/44

All: 9408.164+/-0.944 χ^2/NDF: 5729326.2/83

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

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

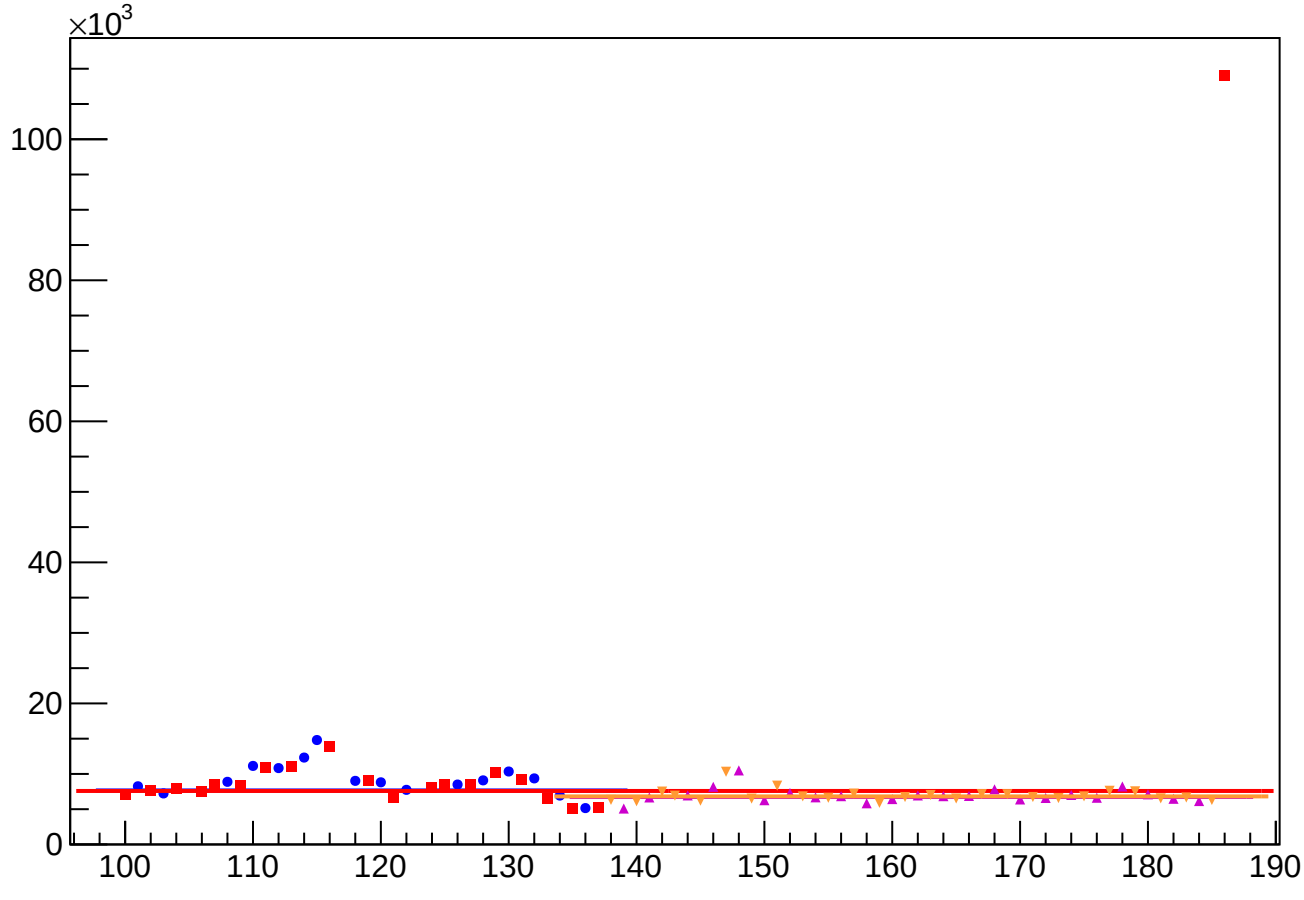
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -4.258+/-2.048 χ^2/NDF: 35.7/35

In: -1.024+/-1.399 χ^2/NDF:45.7/38

Out: 1.318+/-1.370 χ^2/NDF:52.9/44

All: 0.171+/-0.979 χ^2/NDF: 100.0/83



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

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

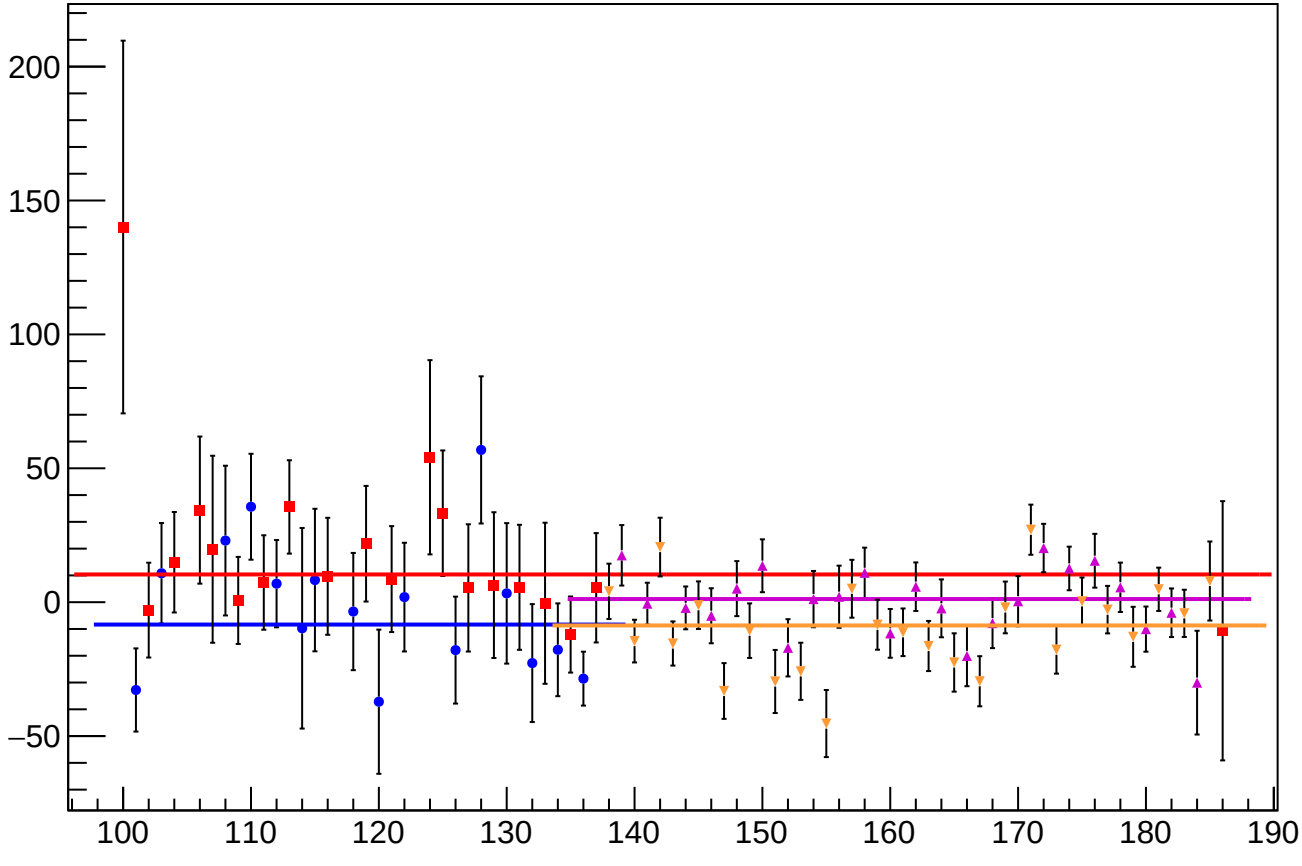
Right: 7619.504+/-1.448 χ^2/NDF: 2380409.1/35

In: 6937.906+/-0.989 χ^2/NDF:1643971.5/38

Out: 6990.839+/-0.969 χ^2/NDF:2007292.6/44

All: 6964.917+/-0.692 χ^2/NDF: 3652725.7/83

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

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

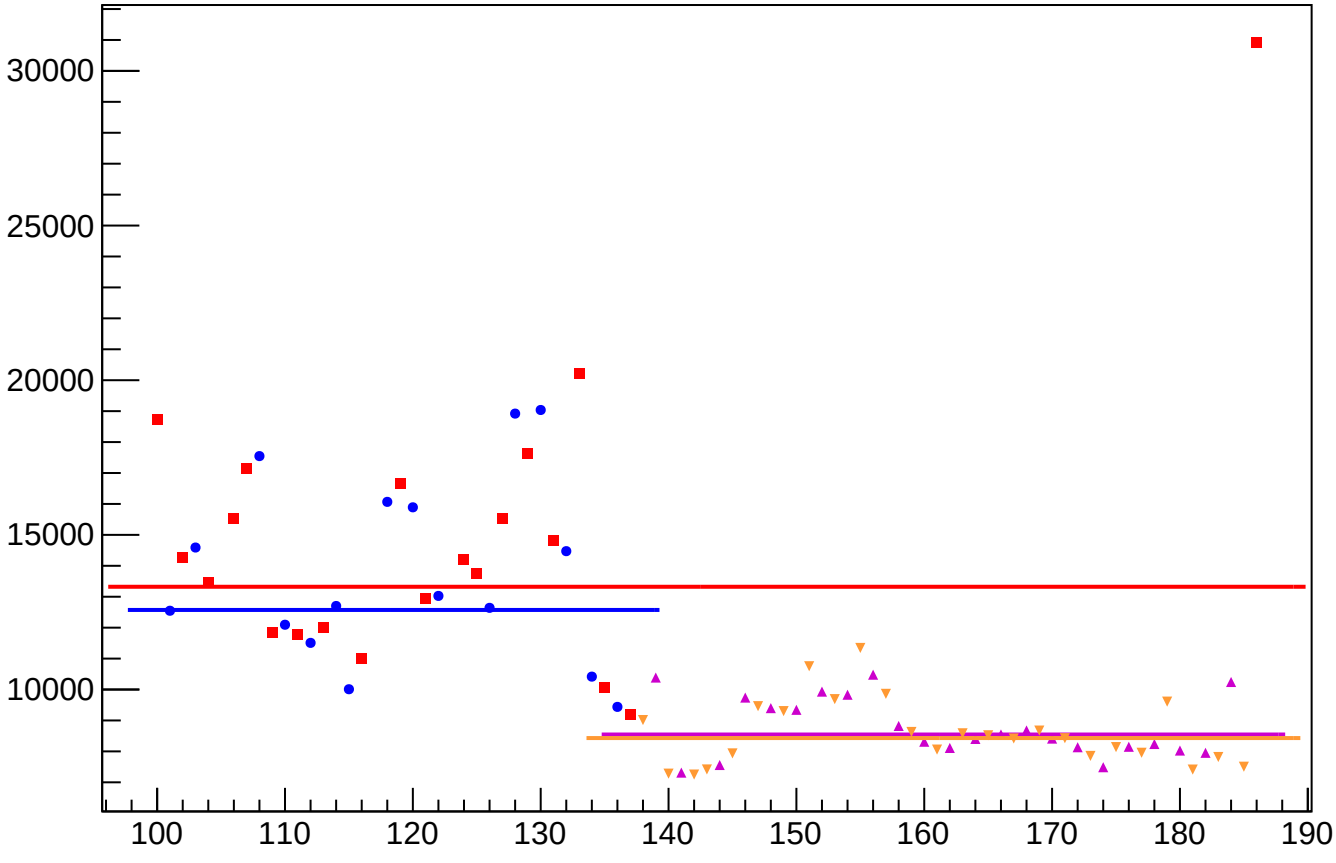
Right: 0.864+/-3.429 χ^2/NDF: 43.8/35

In: -0.243+/-1.857 χ^2/NDF:55.1/38

Out: -6.107+/-1.800 χ^2/NDF:87.6/44

All: -3.266+/-1.292 χ^2/NDF: 147.9/83

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

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

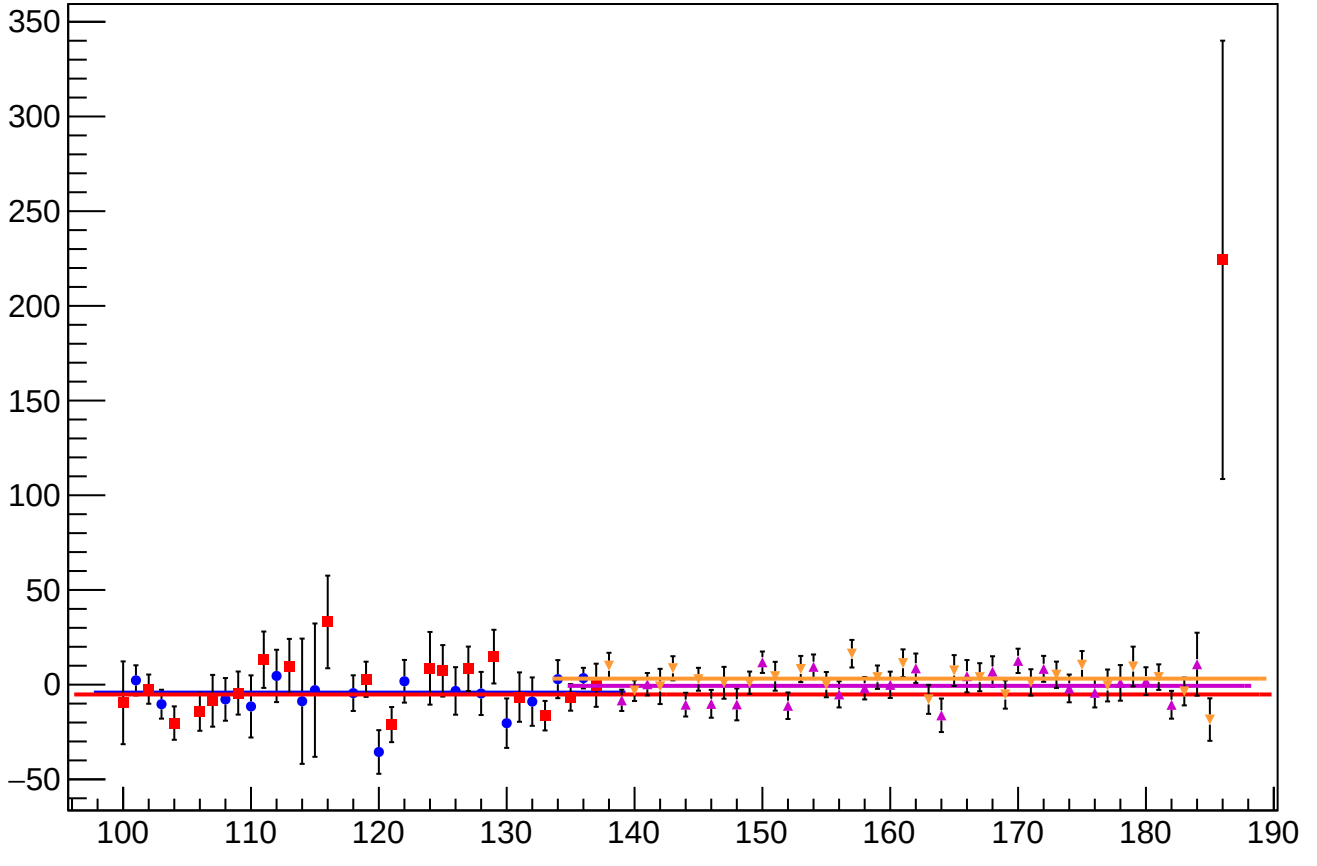
Right: 12941.851+/-2.425 χ^2/NDF: 1490429.0/35

In: 9144.618+/-1.313 χ^2/NDF:2246256.6/38

Out: 9094.591+/-1.273 χ^2/NDF:3018794.1/44

All: 9118.829+/-0.914 χ^2/NDF: 5265799.2/83

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

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

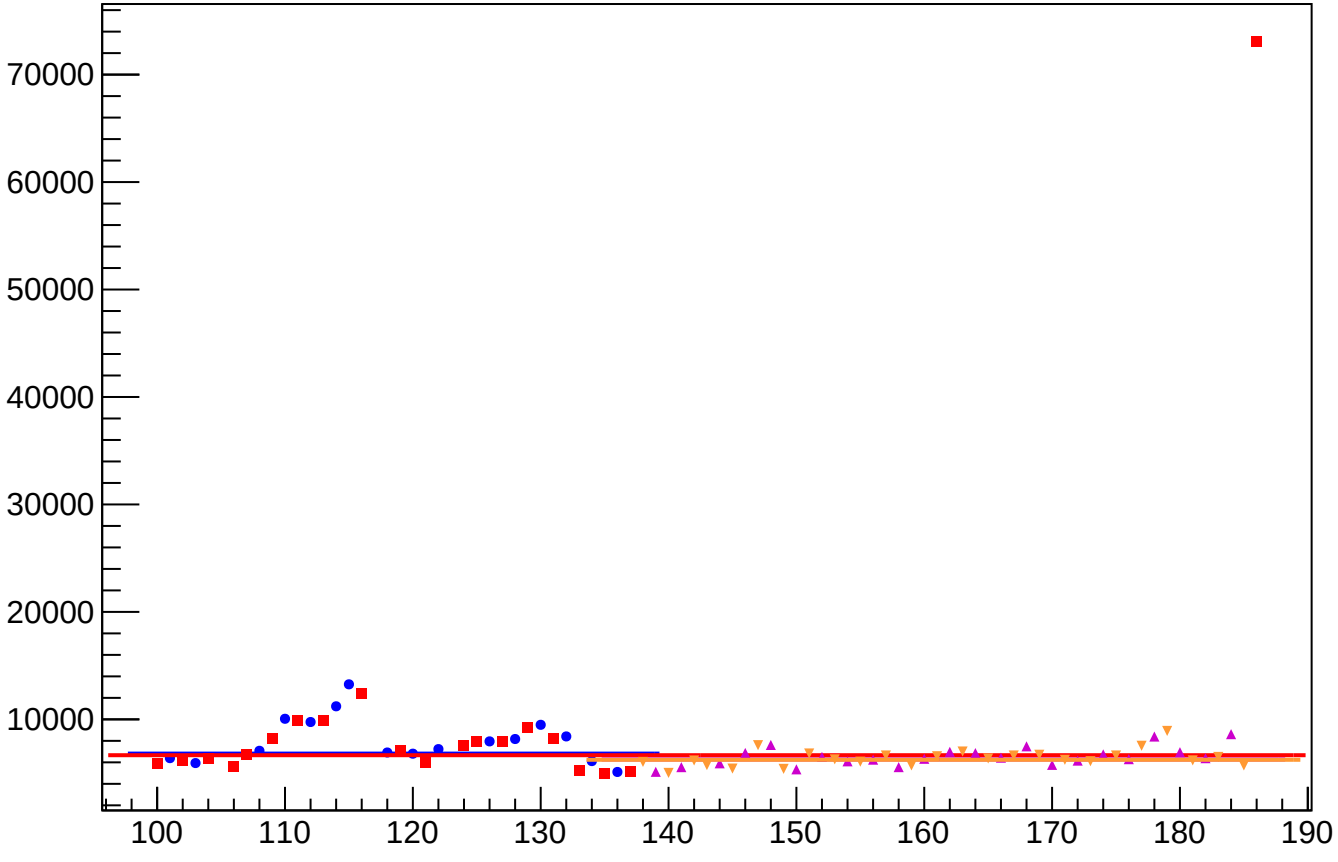
Right: -4.711+/-1.803 χ^2/NDF: 37.6/35

In: -1.508+/-1.287 χ^2/NDF:47.1/38

Out: 1.114+/-1.245 χ^2/NDF:50.8/44

All: -0.153+/-0.895 χ^2/NDF: 100.0/83

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

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

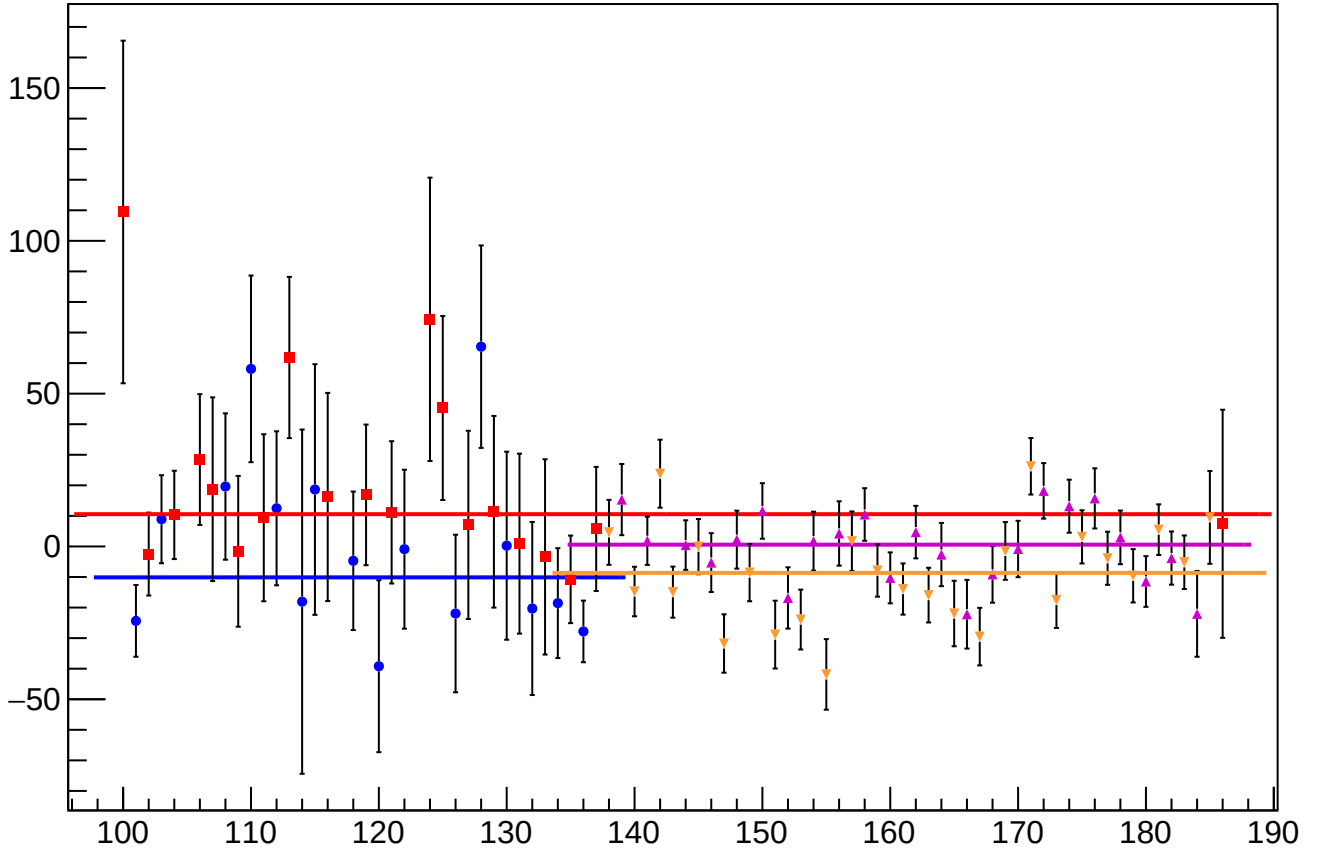
Right: 6736.610+/-1.275 χ^2/NDF: 2099772.9/35

In: 6402.098+/-0.910 χ^2/NDF:1264987.9/38

Out: 6343.589+/-0.880 χ^2/NDF:1973781.8/44

All: 6371.854+/-0.633 χ^2/NDF: 3240905.1/83

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 10.561+/-5.225 χ^2/NDF: 14.8/19

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

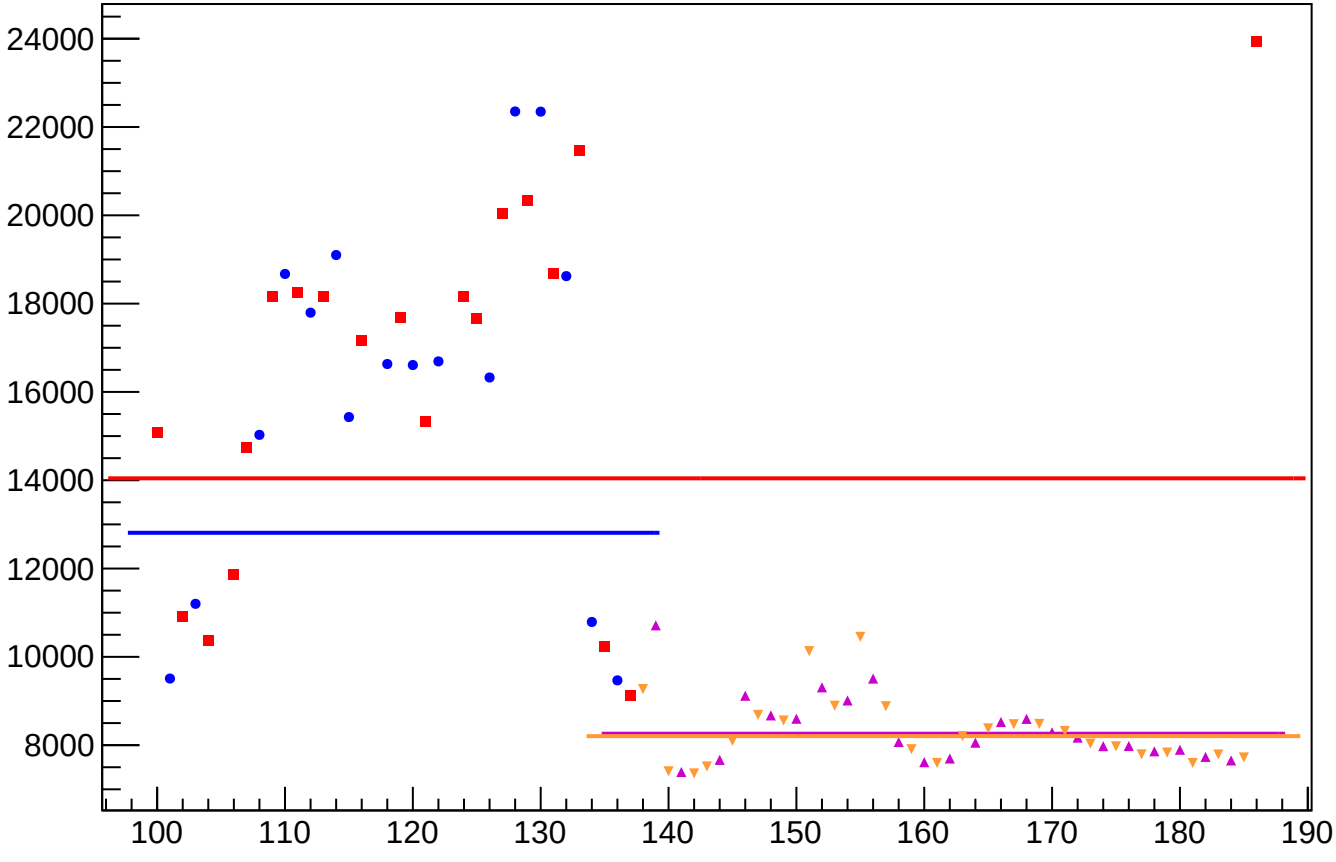
Right: -0.195+/-3.619 χ^2/NDF: 44.2/35

In: -0.807+/-1.808 χ^2/NDF:53.7/38

Out: -6.458+/-1.765 χ^2/NDF:89.8/44

All: -3.701+/-1.263 χ^2/NDF: 148.5/83

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14043.198+/-3.694 χ^2/NDF: 1239659.4/19

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

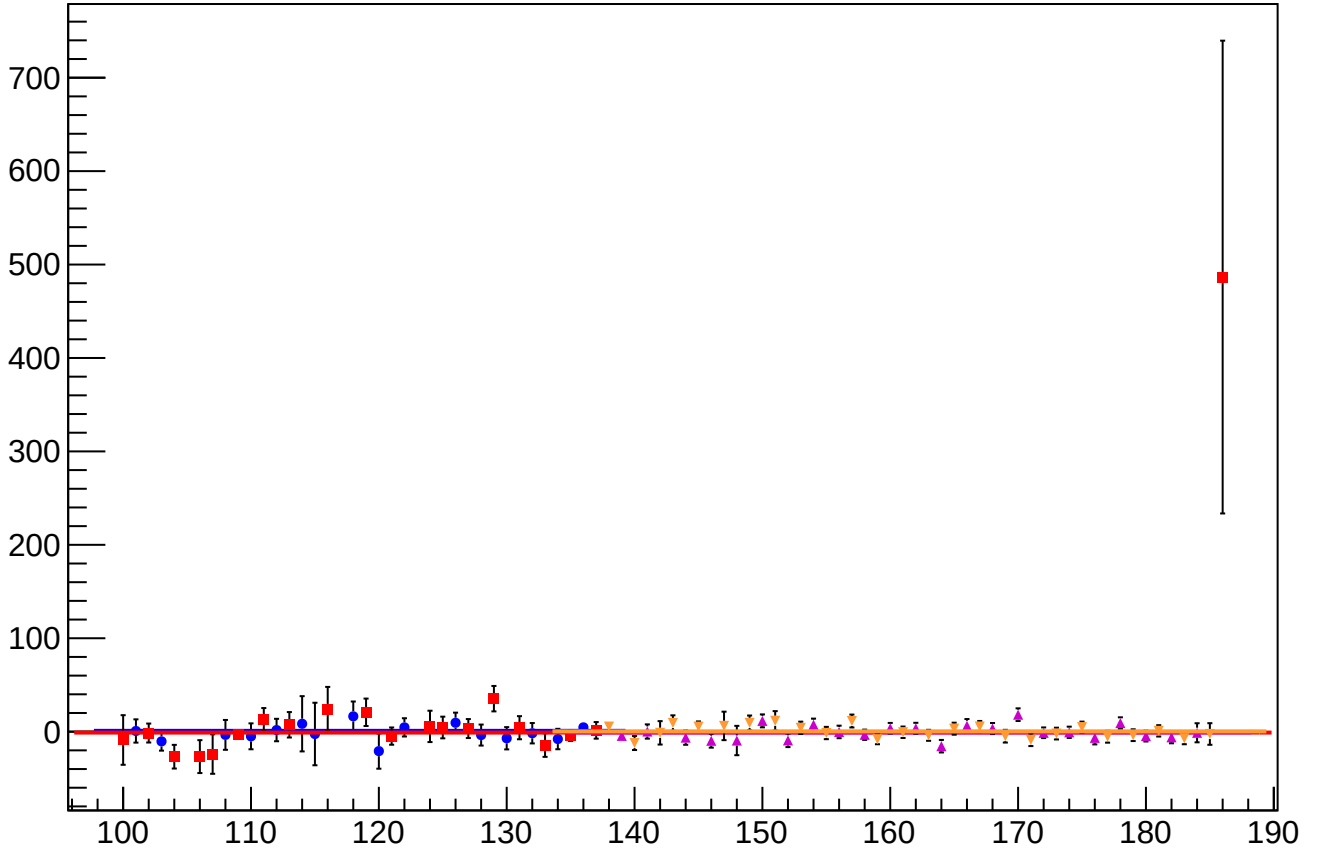
Right: 13401.607+/-2.559 χ^2/NDF: 2545882.0/35

In: 8850.438+/-1.279 χ^2/NDF:2937224.6/38

Out: 8870.712+/-1.248 χ^2/NDF:3725296.8/44

All: 8860.823+/-0.893 χ^2/NDF: 6662650.2/83

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

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

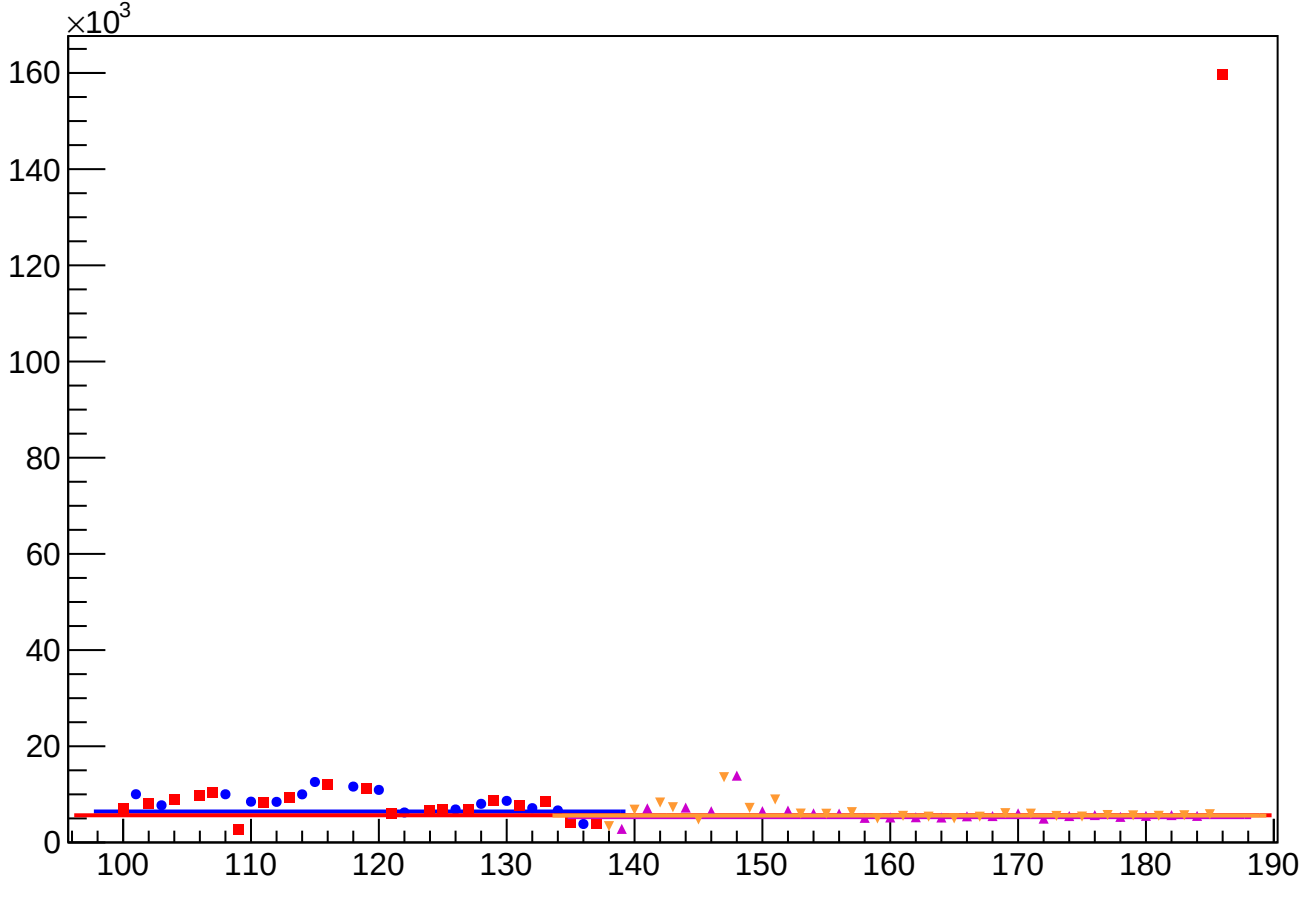
Right: -0.137+/-1.718 χ^2/NDF: 33.1/35

In: -0.388+/-1.153 χ^2/NDF:37.0/38

Out: 0.029+/-1.148 χ^2/NDF:47.8/44

All: -0.179+/-0.814 χ^2/NDF: 84.9/83

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

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

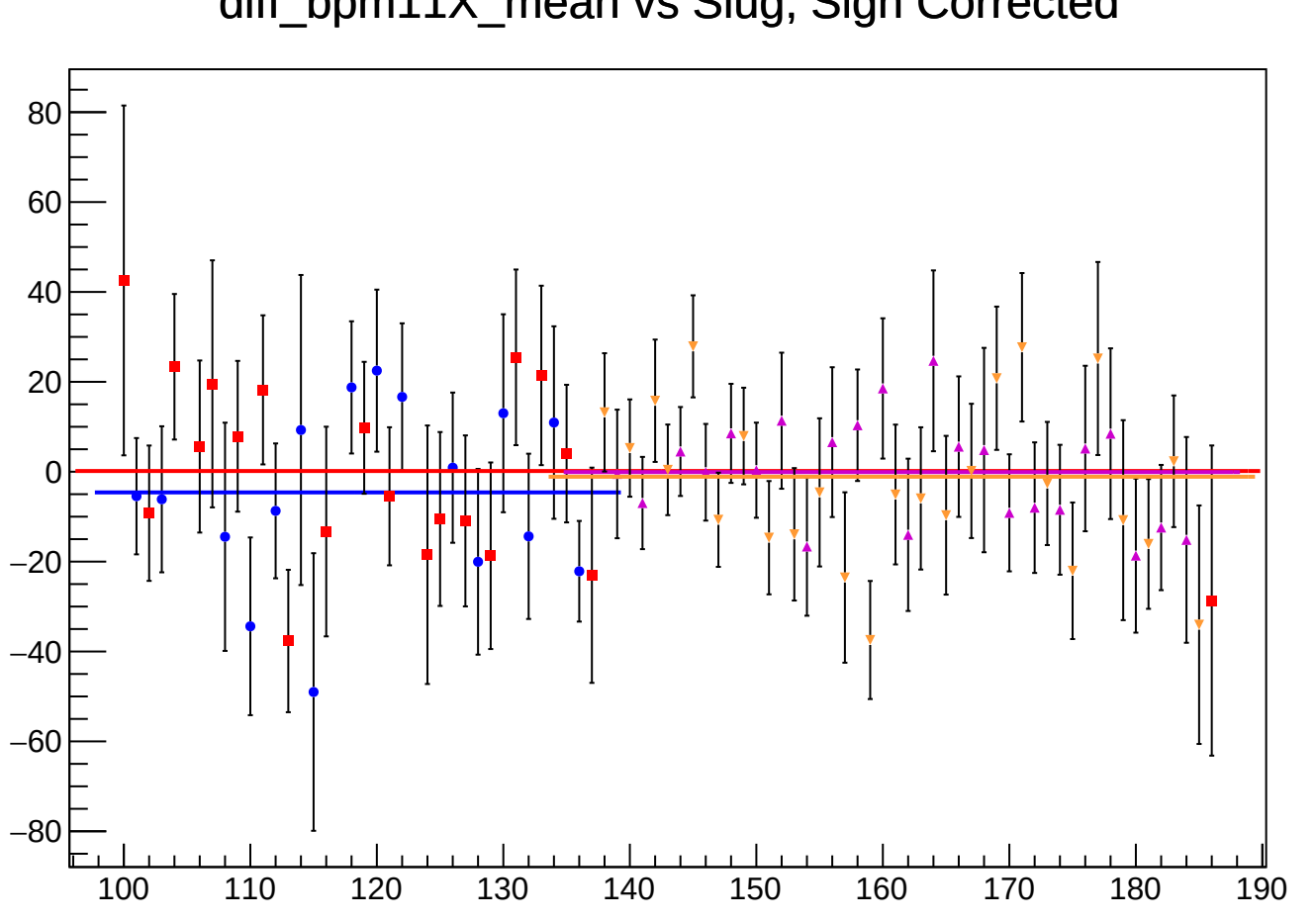
Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

Right: 6001.949+/-1.215 χ^2/NDF: 5174542.8/35

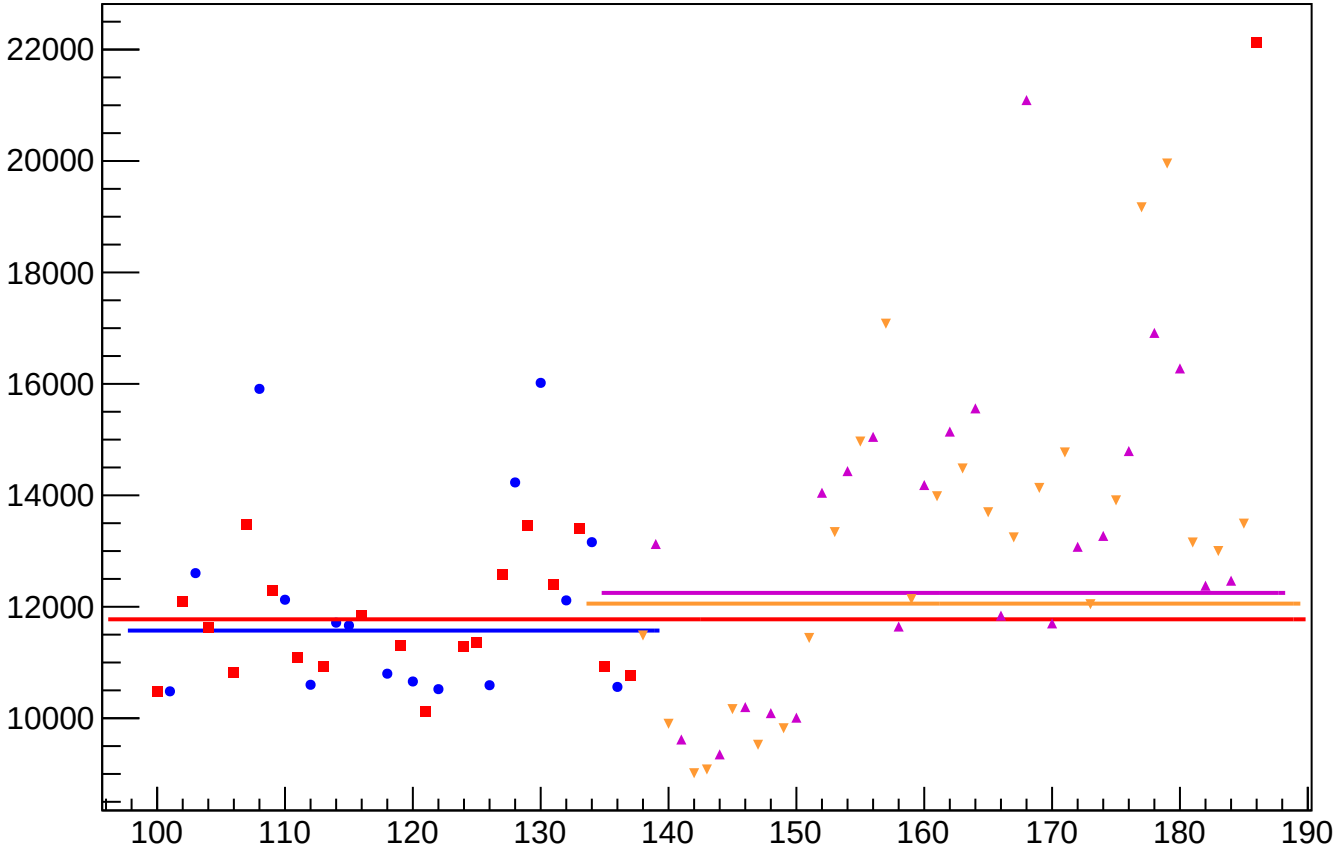
In: 5499.498+/-0.816 χ^2/NDF:4509016.8/38

Out: 5608.210+/-0.811 χ^2/NDF:5106006.5/44

All: 5554.128+/-0.575 χ^2/NDF: 9623951.9/83


diff_bpm11X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: -1.111+/-2.813 χ²/NDF:33.8/24
Right Out: 0.159+/-4.234 χ²/NDF: 18.6/19
Left In: -0.084+/-2.926 χ²/NDF:11.5/22
Left: -0.618+/-2.028 χ²/NDF: 45.3/47
Right: -2.155+/-3.036 χ²/NDF: 35.0/35
In: -1.490+/-2.429 χ²/NDF:28.0/38
Out: -0.722+/-2.343 χ²/NDF:52.4/44
All: -1.092+/-1.686 χ²/NDF: 80.5/83

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

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

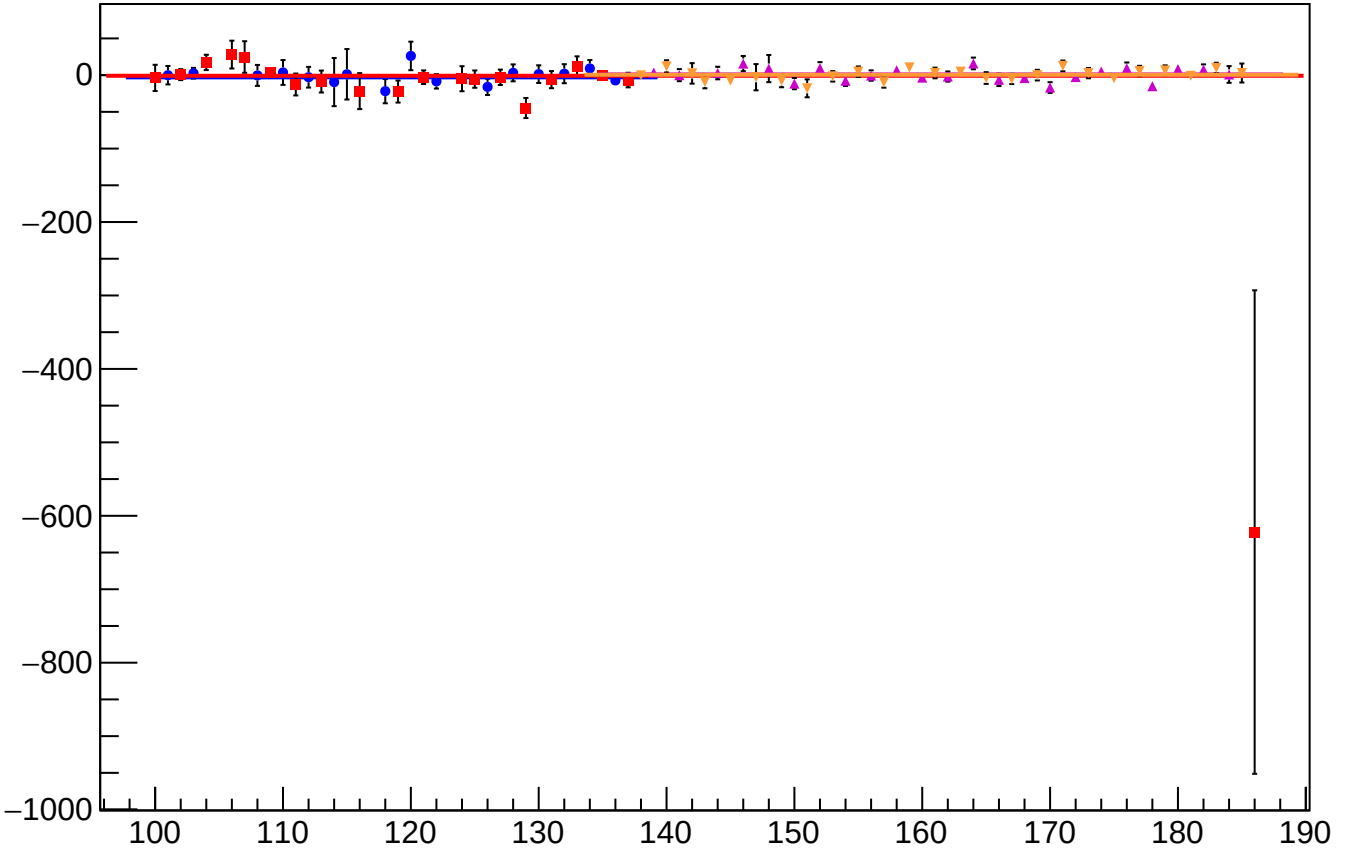
Right: 11676.958+/-2.147 χ^2/NDF: 538507.9/35

In: 12038.800+/-1.717 χ^2/NDF:1709303.3/38

Out: 11970.502+/-1.657 χ^2/NDF:1844100.0/44

All: 12003.424+/-1.192 χ^2/NDF: 3554222.3/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

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

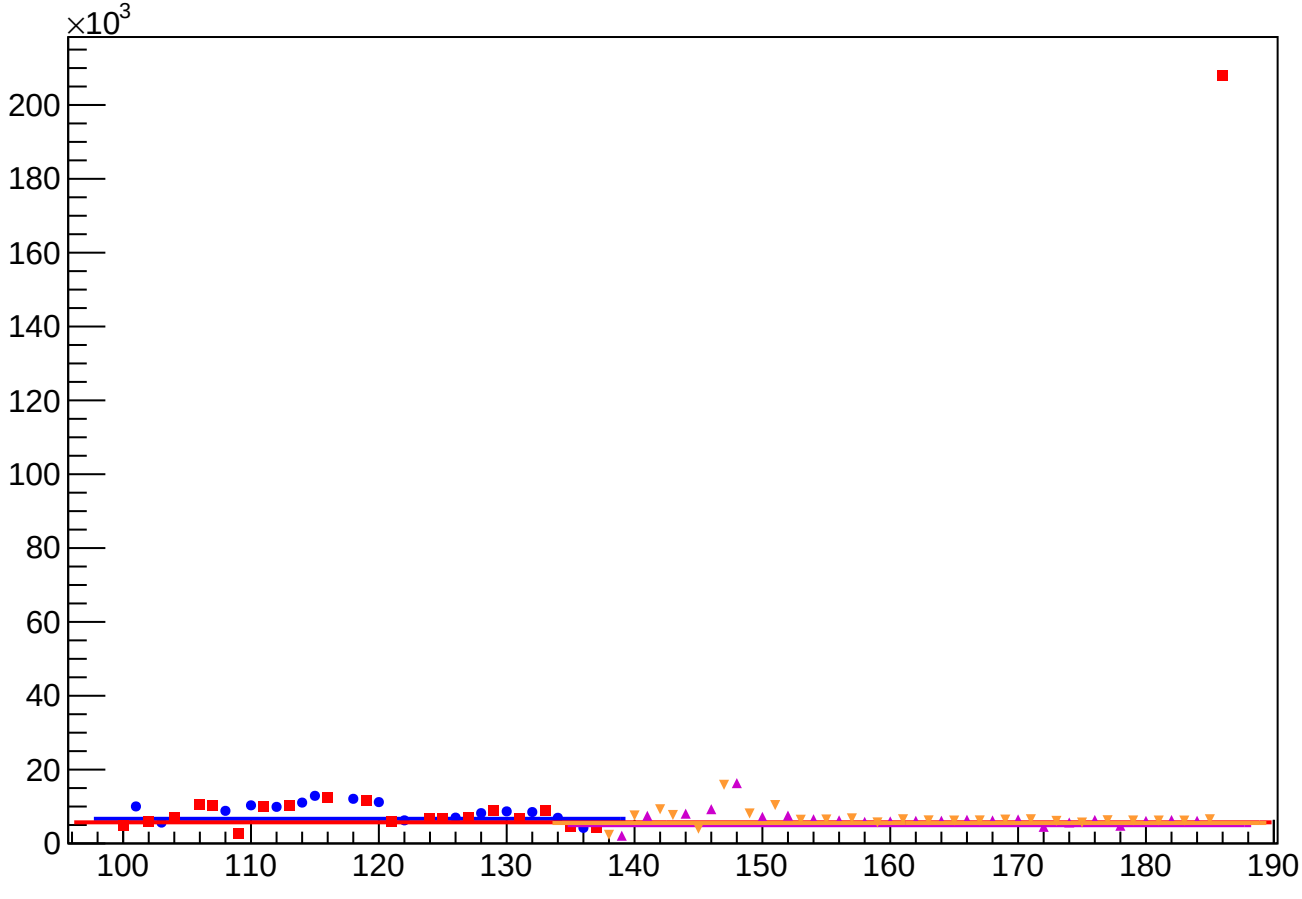
Right: -1.809+/-1.760 χ^2/NDF: 36.4/35

In: 0.185+/-1.163 χ^2/NDF:42.6/38

Out: 0.174+/-1.183 χ^2/NDF:49.1/44

All: 0.180+/-0.829 χ^2/NDF: 91.7/83

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

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

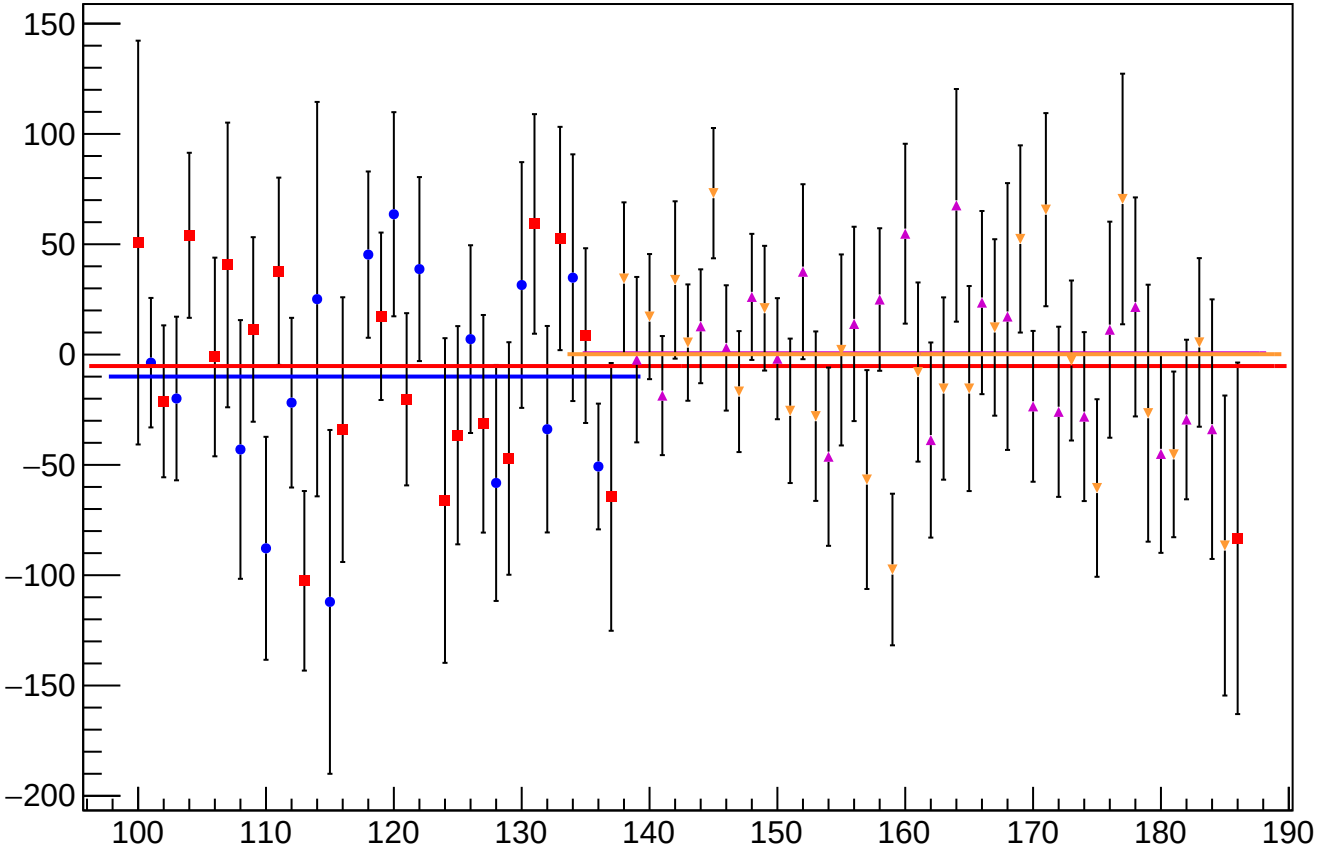
Right: 6140.935+/-1.245 χ^2/NDF: 4773928.7/35

In: 5275.342+/-0.823 χ^2/NDF:8199431.3/38

Out: 5576.600+/-0.836 χ^2/NDF:7441148.6/44

All: 5423.454+/-0.587 χ^2/NDF: 15706520.2/8

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

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

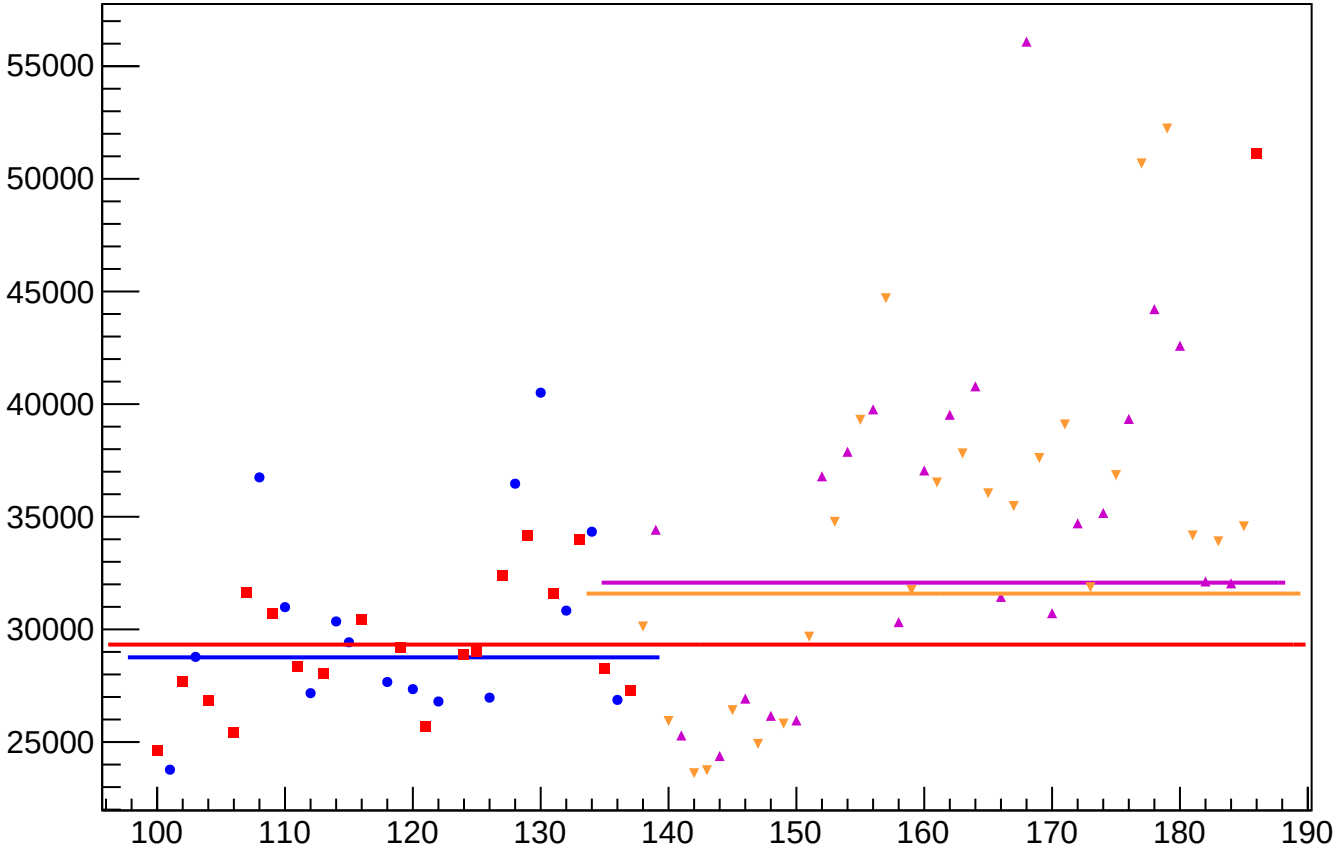
Right: -7.522+/-7.556 χ^2/NDF: 33.7/35

In: -2.935+/-6.259 χ^2/NDF:28.7/38

Out: -1.598+/-6.043 χ^2/NDF:49.6/44

All: -2.243+/-4.347 χ^2/NDF: 78.3/83

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 29326.308+/-7.455 χ^2/NDF: 258762.6/19

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

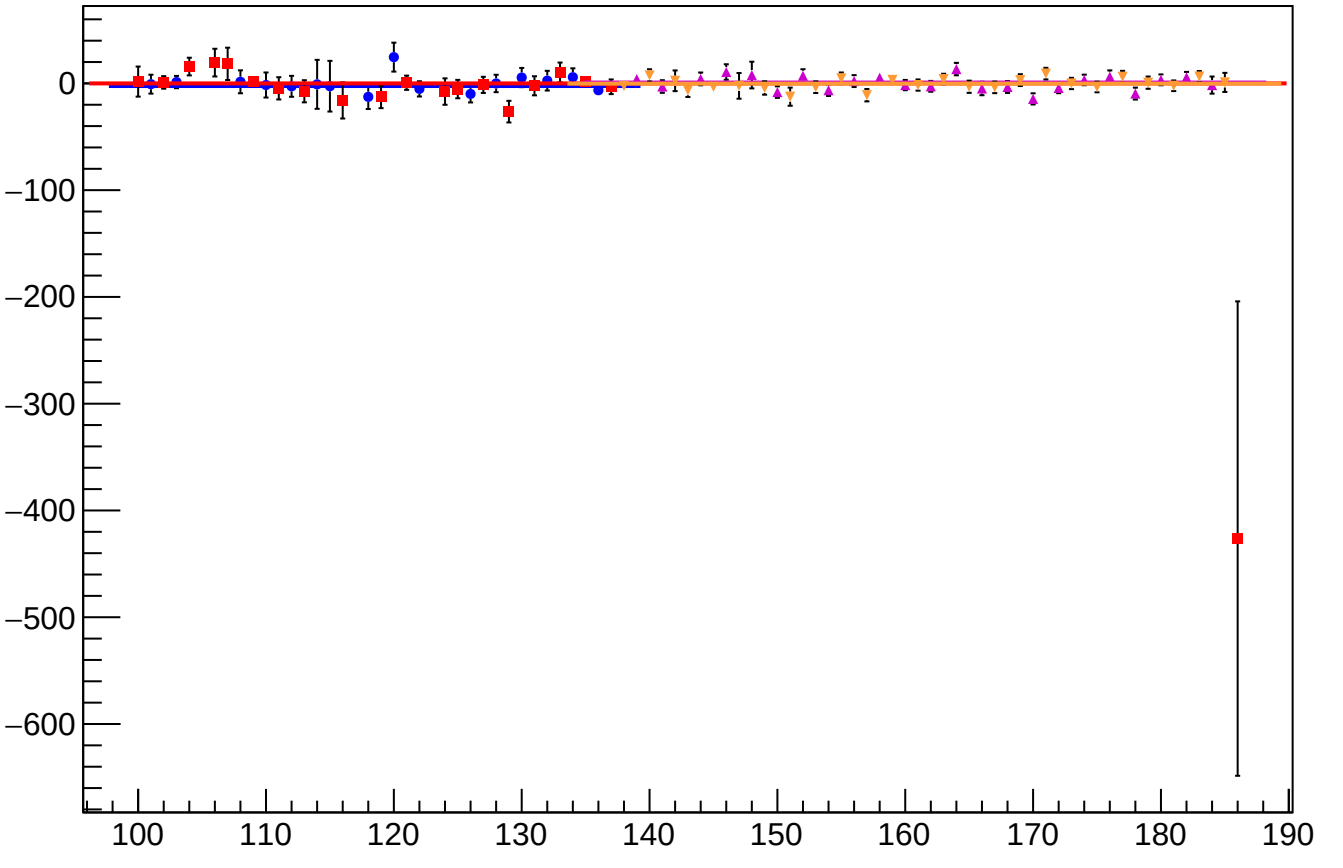
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 29050.487+/-5.343 χ^2/NDF: 539217.7/35

In: 30968.875+/-4.426 χ^2/NDF:1858159.9/38

Out: 30846.145+/-4.273 χ^2/NDF:1911533.5/44

All: 30905.358+/-3.074 χ^2/NDF: 3770091.5/8



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

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

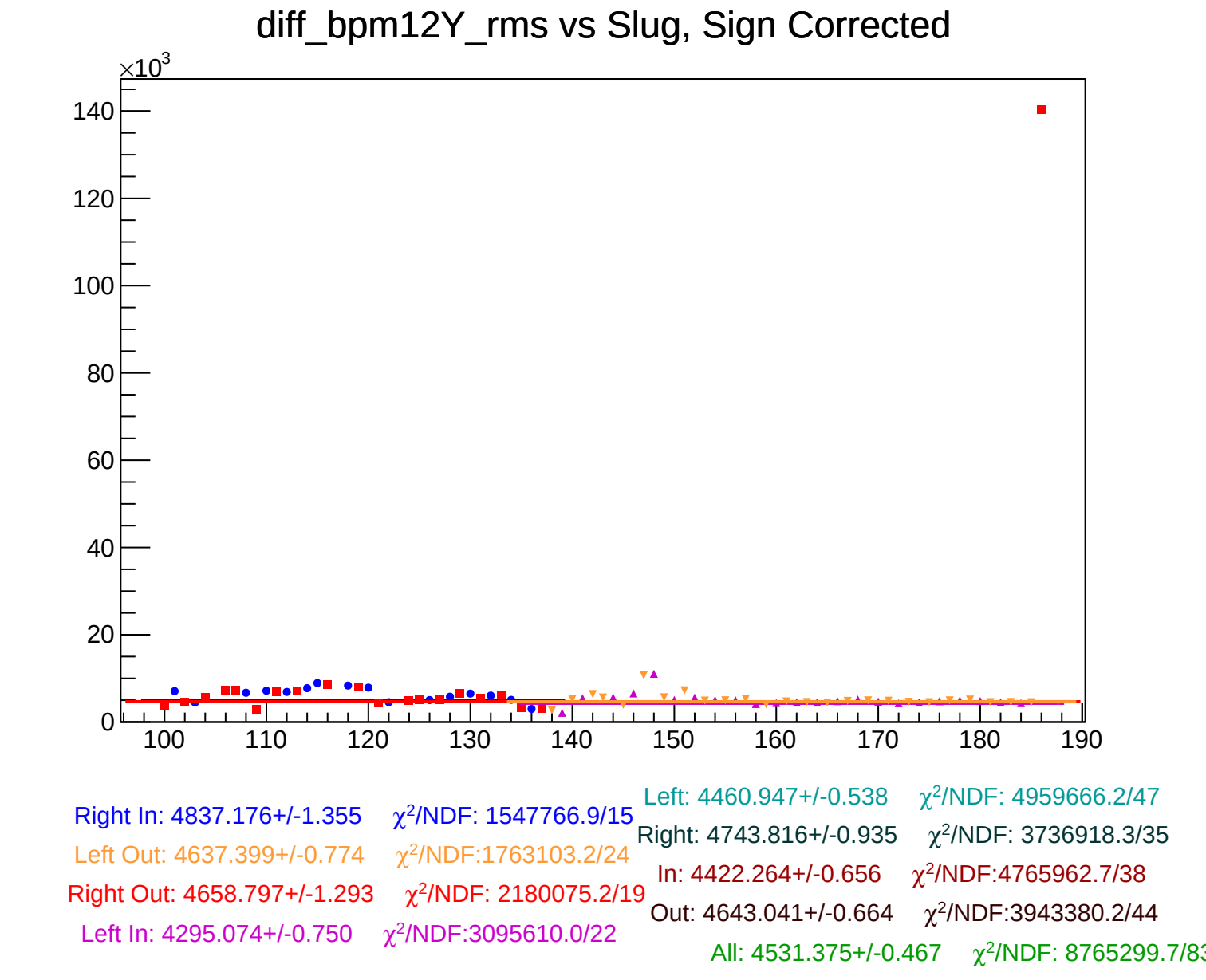
Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

Right: -1.186+/-1.323 χ^2/NDF: 34.5/35

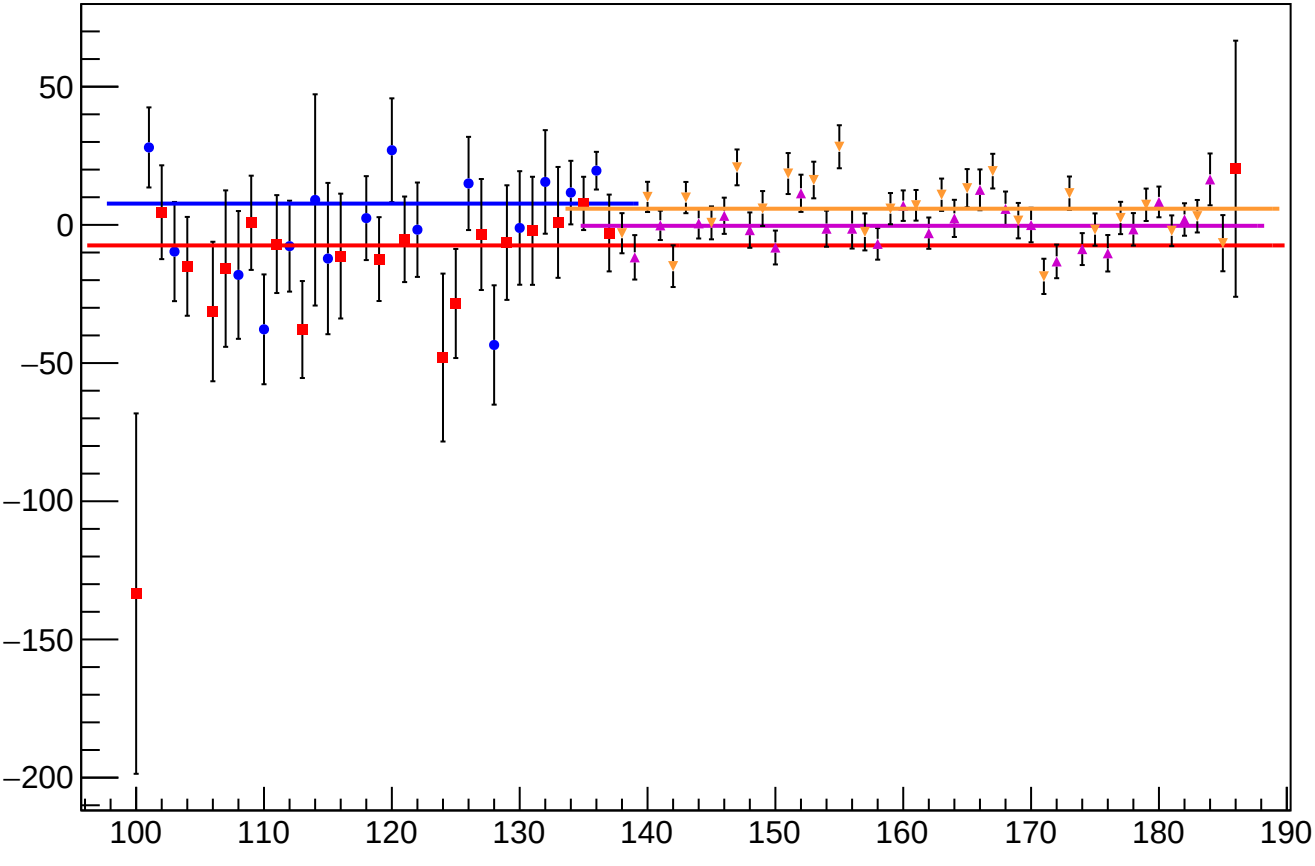
In: 0.024+/-0.928 χ^2/NDF:46.0/38

Out: -0.171+/-0.939 χ^2/NDF:43.5/44

All: -0.072+/-0.660 χ^2/NDF: 89.6/83


diff_bpm12Y_rms vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
190
Right In: 4837.176+/-1.355 χ²/NDF: 1547766.9/15
Left Out: 4637.399+/-0.774 χ²/NDF:1763103.2/24
Right Out: 4658.797+/-1.293 χ²/NDF: 2180075.2/19
Left In: 4295.074+/-0.750 χ²/NDF:3095610.0/22
Left: 4460.947+/-0.538 χ²/NDF: 4959666.2/47
Right: 4743.816+/-0.935 χ²/NDF: 3736918.3/35
In: 4422.264+/-0.656 χ²/NDF:4765962.7/38
Out: 4643.041+/-0.664 χ²/NDF:3943380.2/44
All: 4531.375+/-0.467 χ²/NDF: 8765299.7/83

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

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

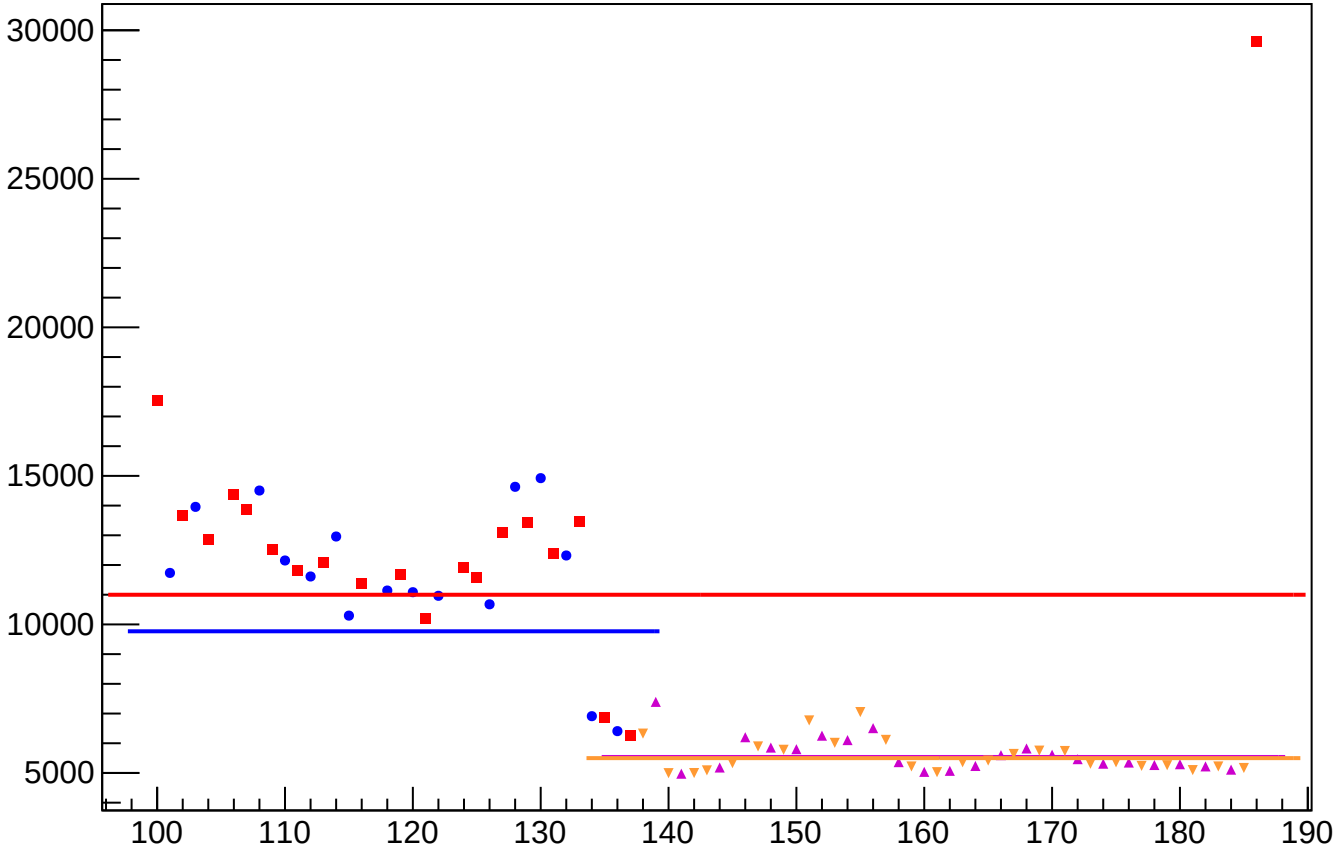
Right: 0.637+/-2.789 χ^2/NDF: 43.9/35

In: 0.498+/-1.231 χ^2/NDF:54.9/38

Out: 4.698+/-1.202 χ^2/NDF:84.7/44

All: 2.649+/-0.860 χ^2/NDF: 145.5/83

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

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

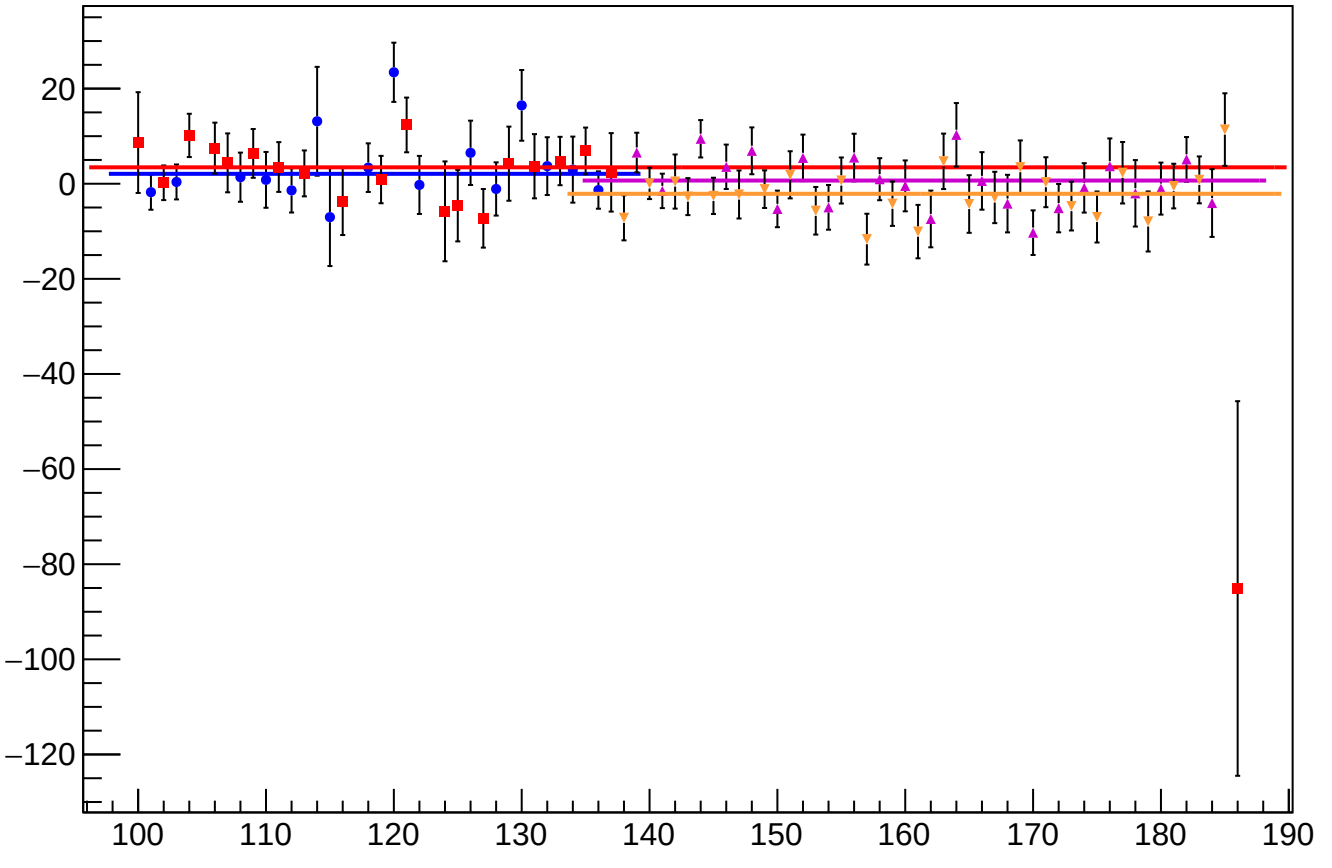
Right: 10342.777+/-1.972 χ^2/NDF: 2510405.8/35

In: 5977.446+/-0.871 χ^2/NDF:3716574.2/38

Out: 5975.547+/-0.850 χ^2/NDF:4811354.4/44

All: 5976.474+/-0.608 χ^2/NDF: 8527931.0/83

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

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

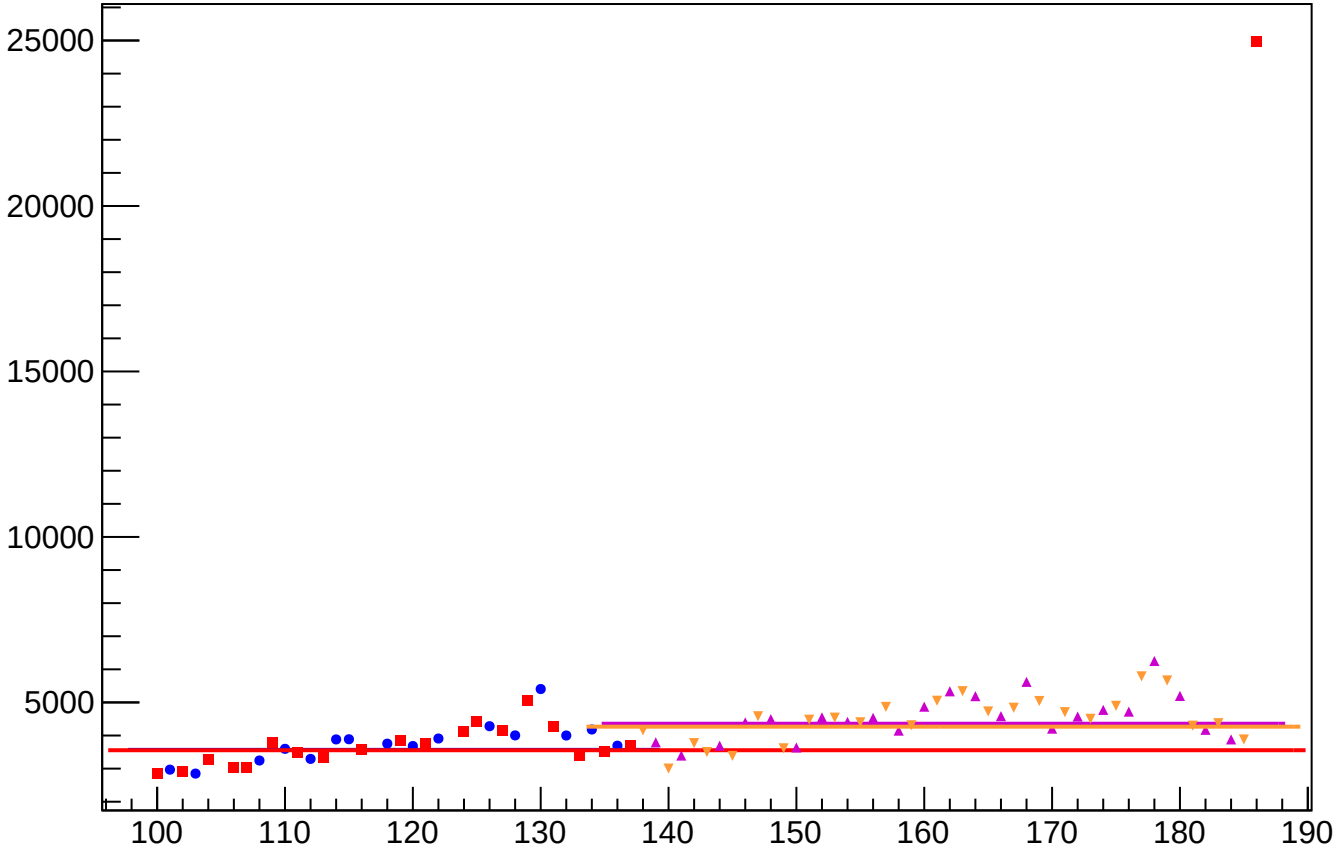
Right: 2.787+/-0.936 χ^2/NDF: 40.0/35

In: 1.193+/-0.818 χ^2/NDF:50.0/38

Out: -0.087+/-0.787 χ^2/NDF:47.6/44

All: 0.528+/-0.567 χ^2/NDF: 98.8/83

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

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

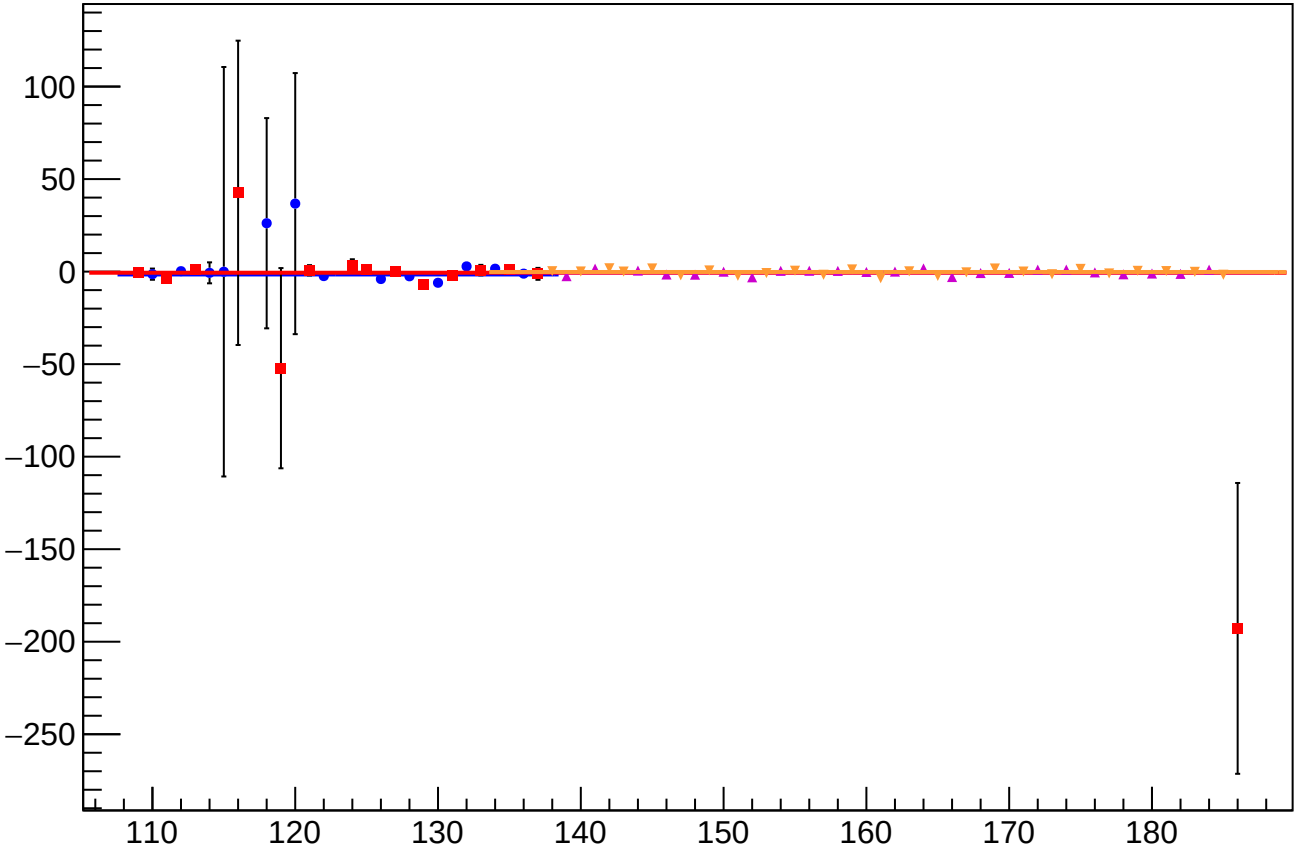
Right: 3560.744+/-0.662 χ^2/NDF: 1211658.2/35

In: 4063.707+/-0.579 χ^2/NDF:1518353.2/38

Out: 4008.081+/-0.557 χ^2/NDF:2284372.6/44

All: 4034.812+/-0.401 χ^2/NDF: 3807527.0/83

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

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

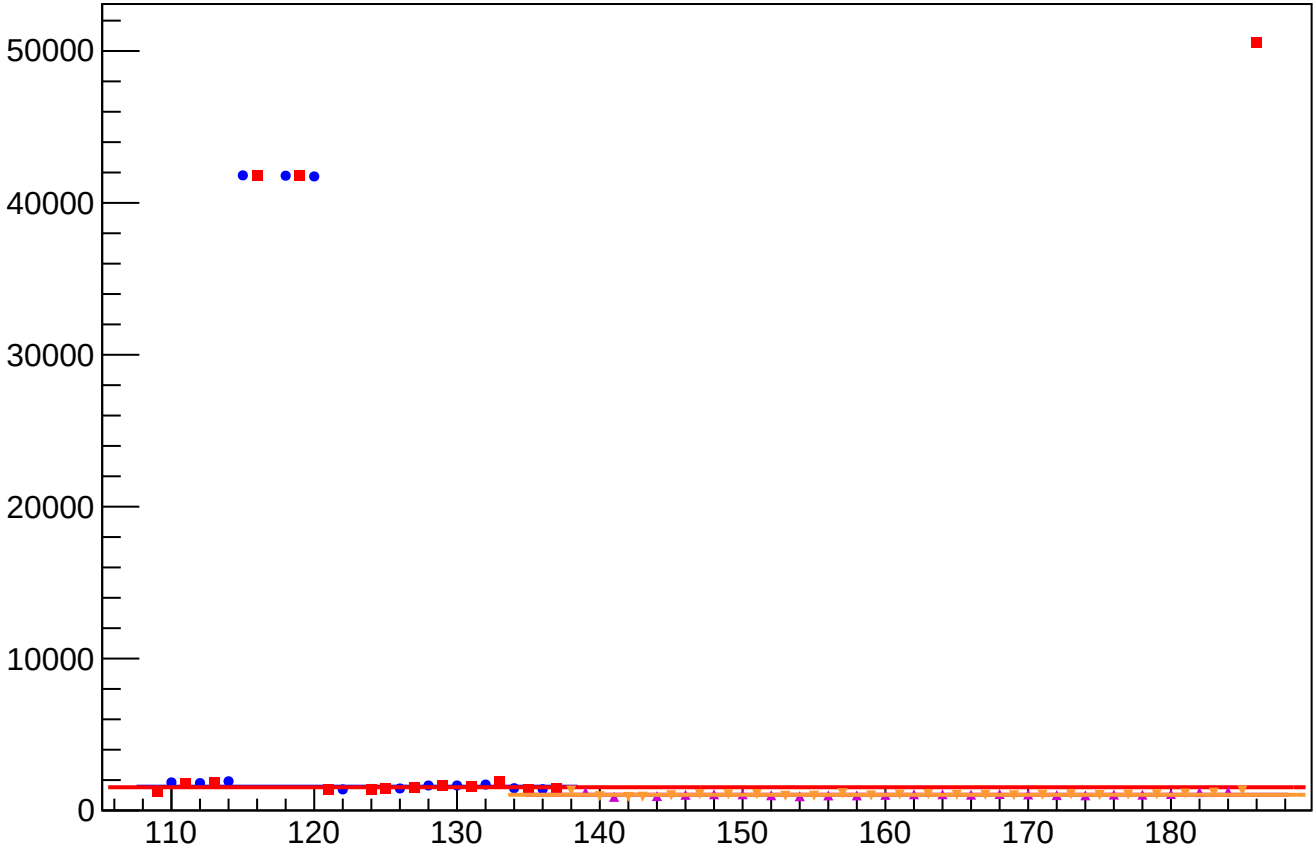
Right: -1.060+/-0.512 χ^2/NDF: 30.6/27

In: -0.452+/-0.230 χ^2/NDF:42.9/35

Out: -0.240+/-0.224 χ^2/NDF:52.9/39

All: -0.343+/-0.160 χ^2/NDF: 96.3/75

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

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

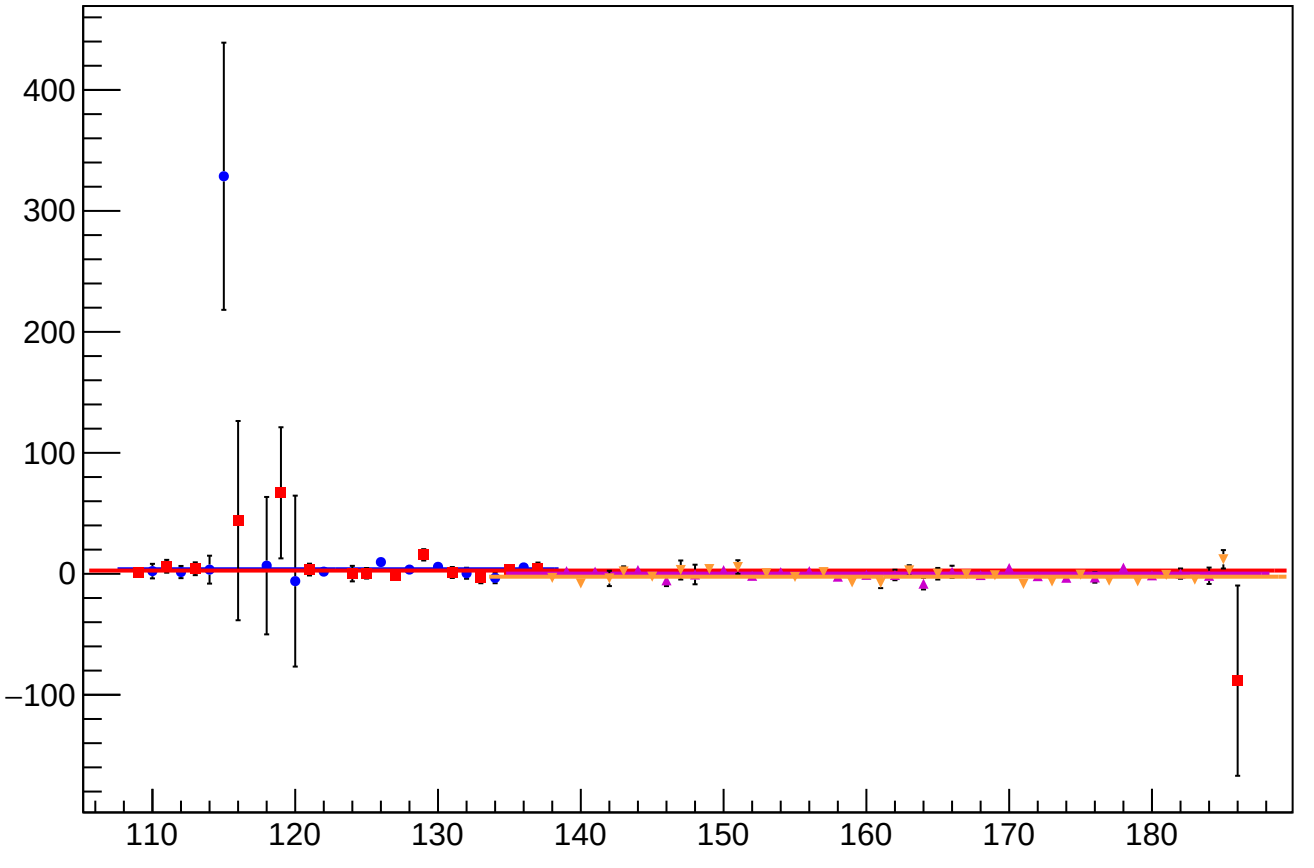
Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

Right: 1545.640+/-0.362 χ^2/NDF: 4537700.1/27

In: 1085.062+/-0.163 χ^2/NDF:3153205.6/35

Out: 1079.792+/-0.158 χ^2/NDF:3627017.7/39

All: 1082.355+/-0.113 χ^2/NDF: 6780763.1/75



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

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

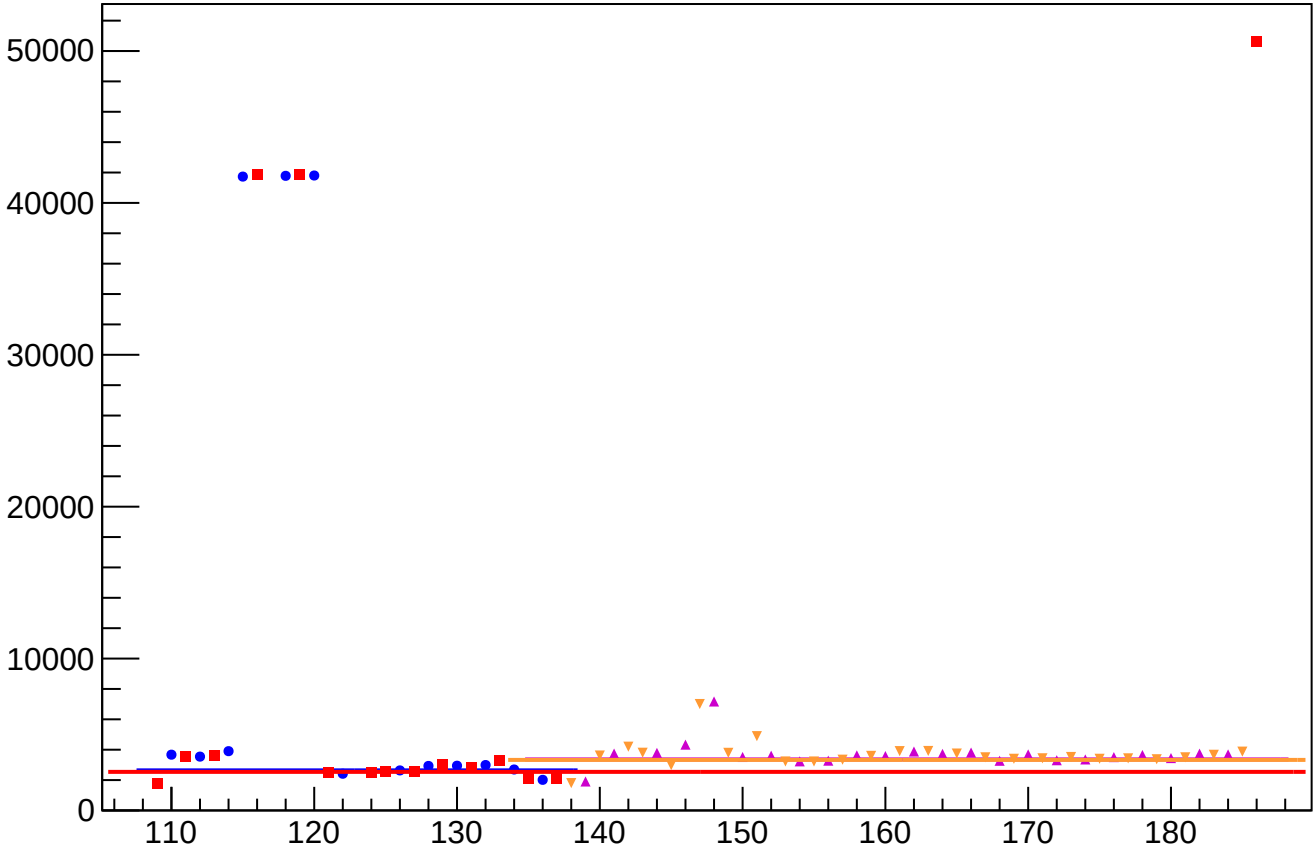
Right: 3.215+/-0.869 χ^2/NDF: 30.5/27

In: 1.239+/-0.679 χ^2/NDF:33.7/35

Out: -0.888+/-0.657 χ^2/NDF:51.6/39

All: 0.140+/-0.472 χ^2/NDF: 90.4/75

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

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

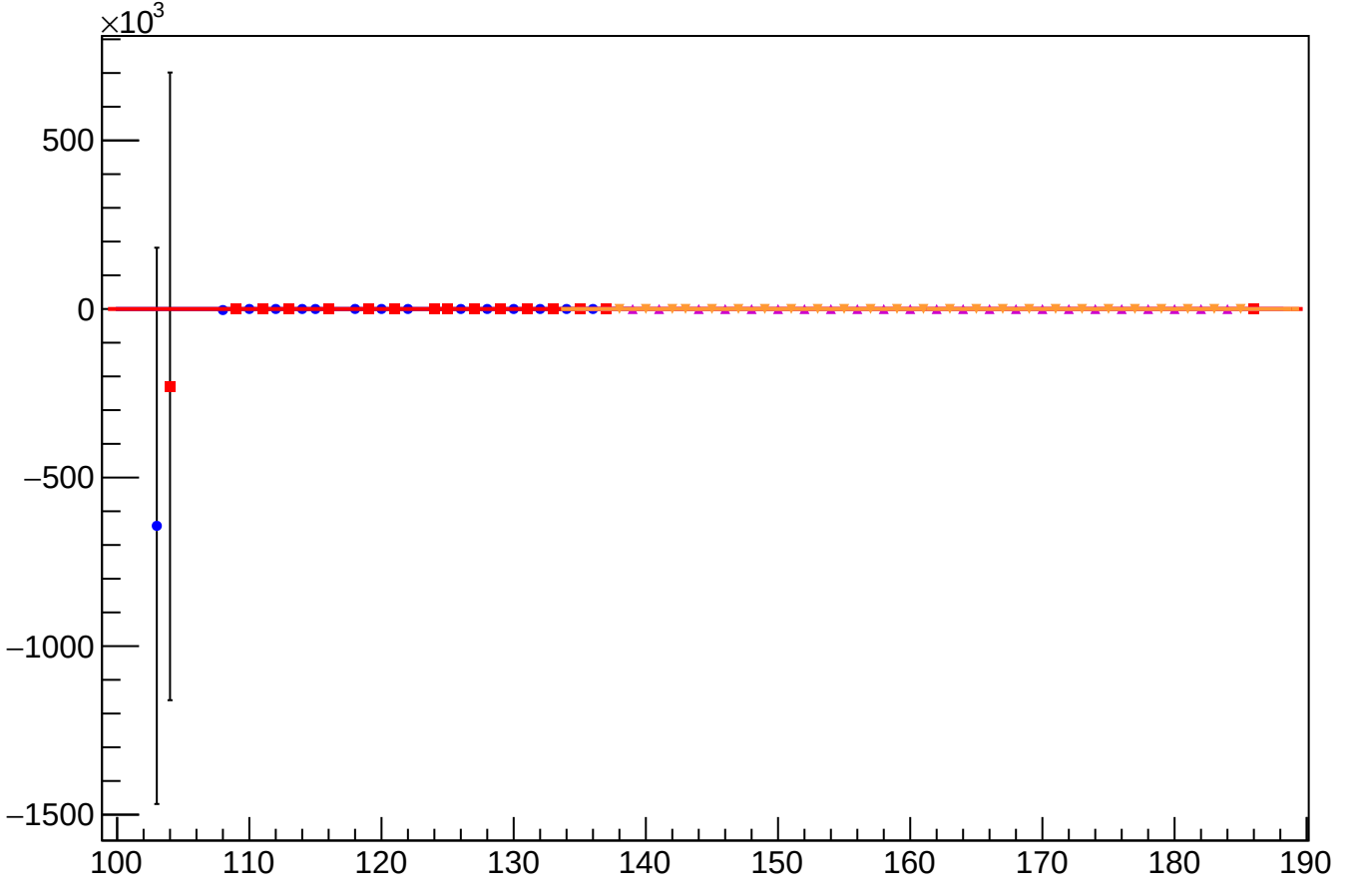
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 2588.657+/-0.615 χ^2/NDF: 4876741.8/27

In: 3147.365+/-0.480 χ^2/NDF:4292235.3/35

Out: 3096.309+/-0.465 χ^2/NDF:5209863.9/39

All: 3120.985+/-0.334 χ^2/NDF: 9507937.5/75



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

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

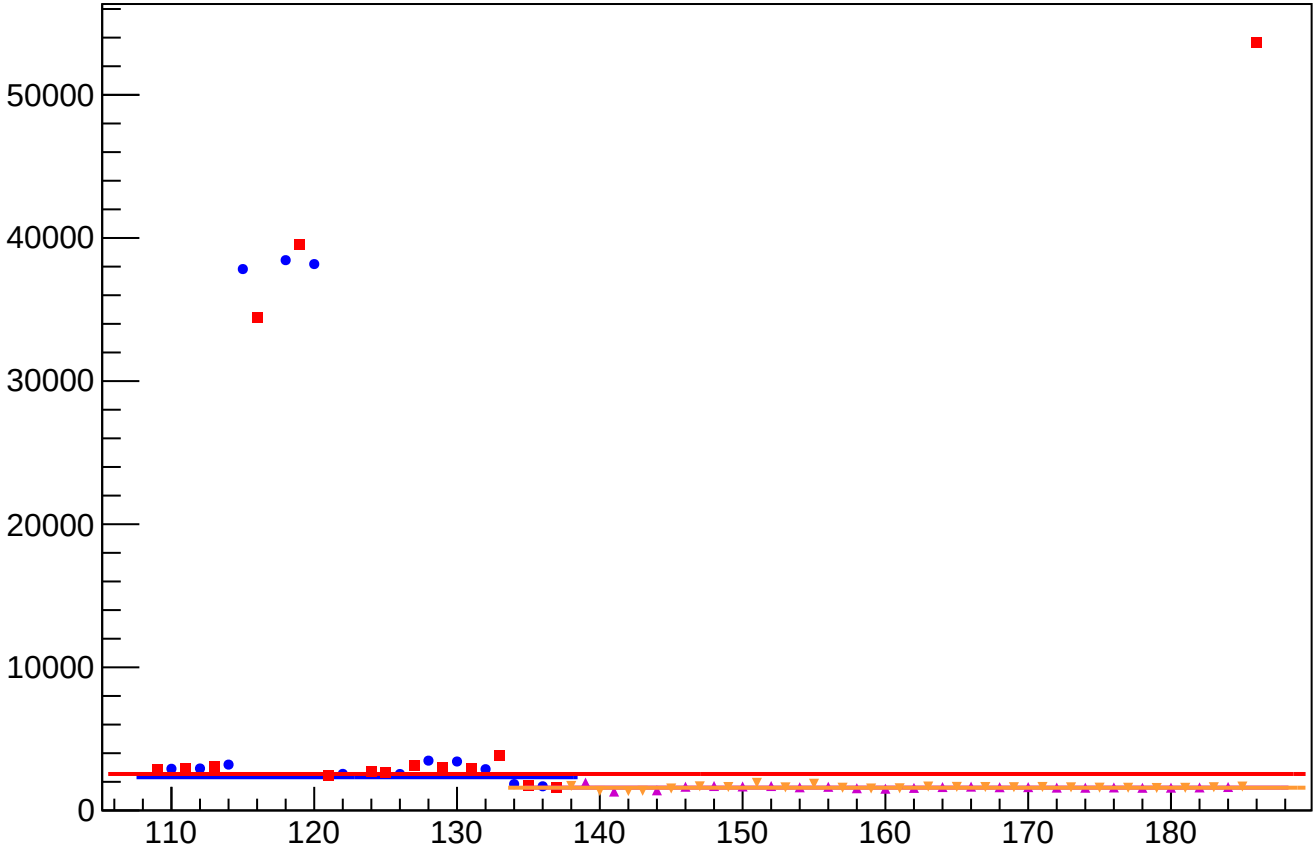
Right: 0.568+/-0.824 χ^2/NDF: 43.1/30

In: -0.137+/-0.355 χ^2/NDF:47.1/37

Out: -1.226+/-0.348 χ^2/NDF:80.3/40

All: -0.693+/-0.248 χ^2/NDF: 132.2/78

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

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

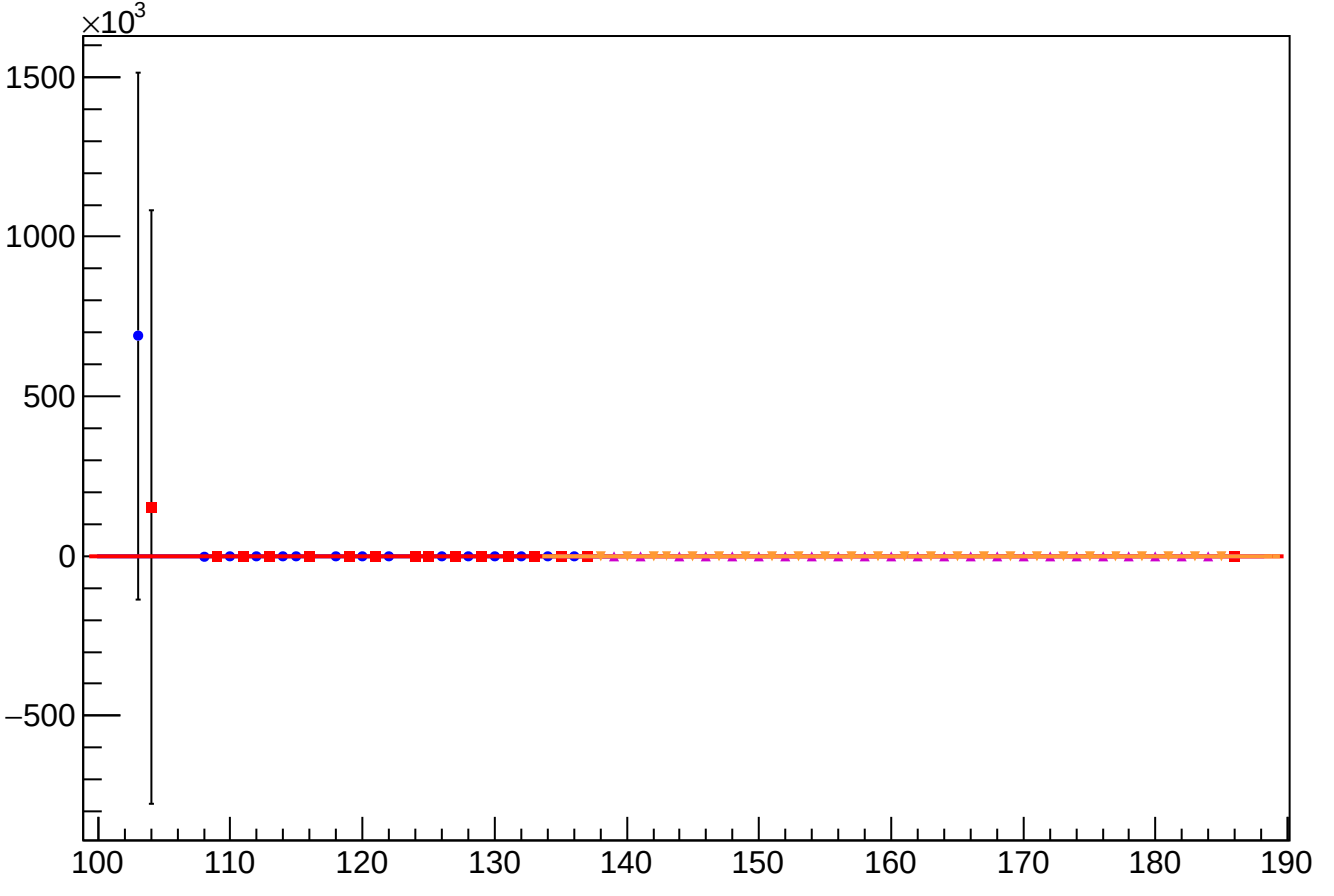
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2426.064+/-0.583 χ^2/NDF: 5288759.0/27

In: 1668.382+/-0.251 χ^2/NDF:3404215.6/35

Out: 1668.505+/-0.246 χ^2/NDF:4172444.5/39

All: 1668.445+/-0.176 χ^2/NDF: 7576660.3/75



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

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

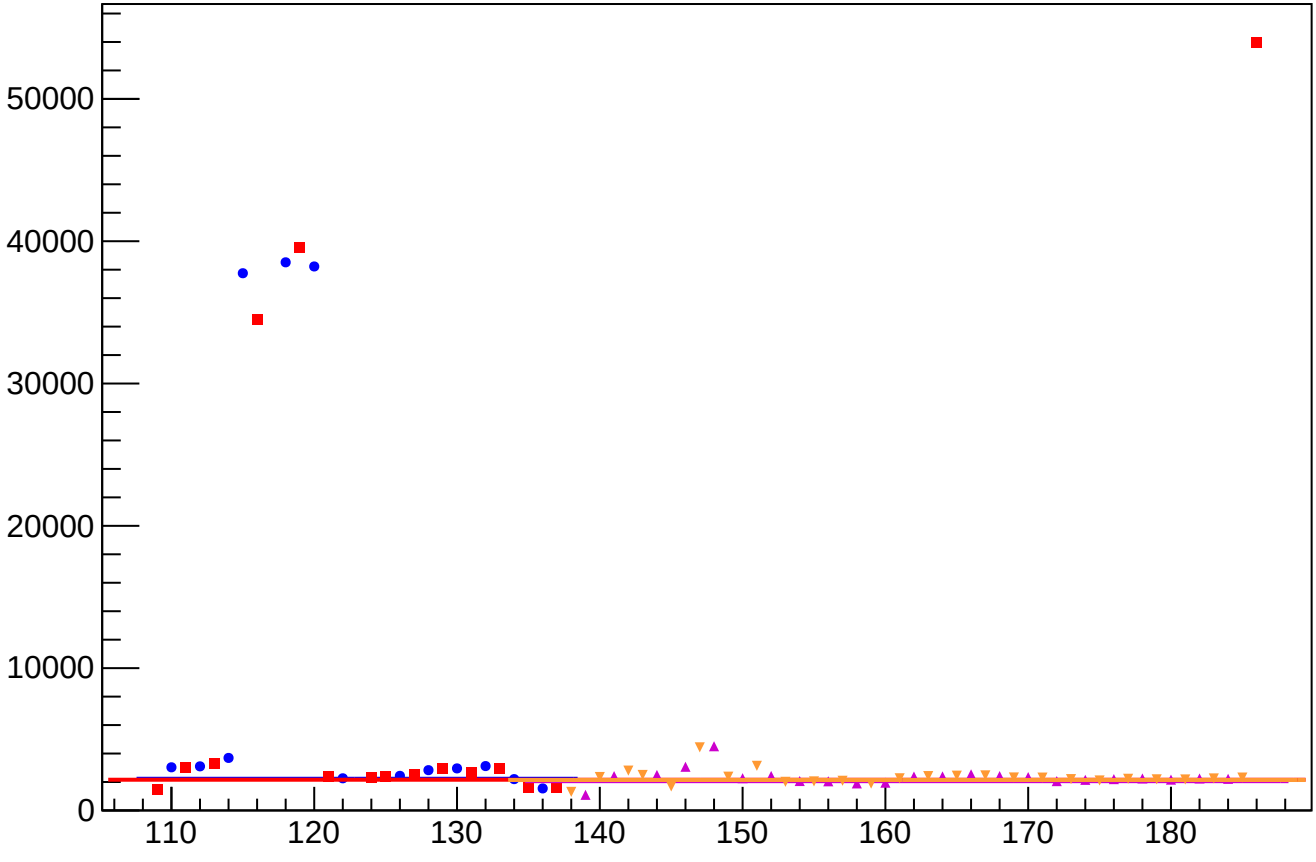
Right: 1.798+/-0.752 χ^2/NDF: 20.9/30

In: 0.202+/-0.454 χ^2/NDF:24.3/37

Out: -0.610+/-0.453 χ^2/NDF:47.2/40

All: -0.205+/-0.321 χ^2/NDF: 73.1/78

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

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

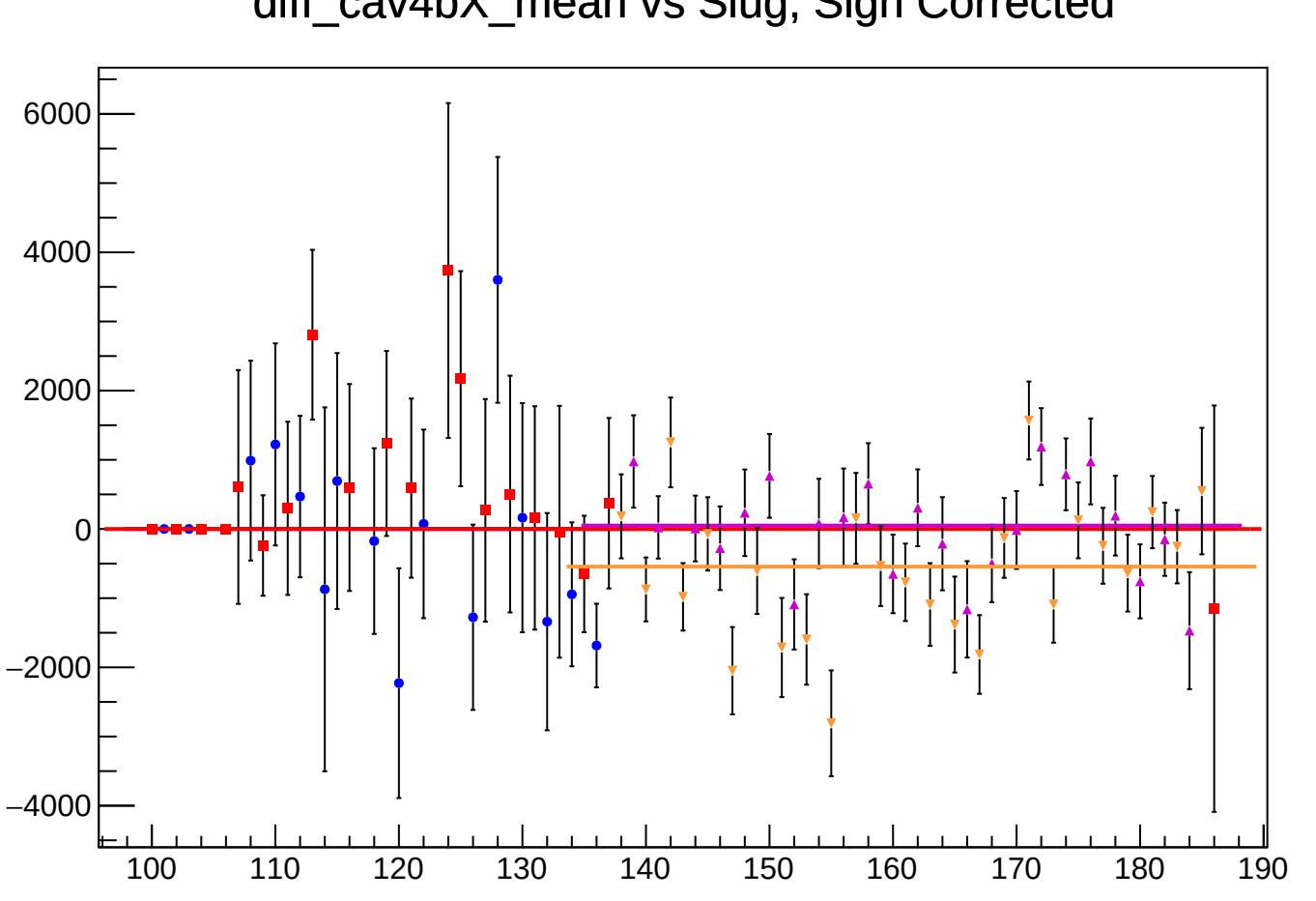
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

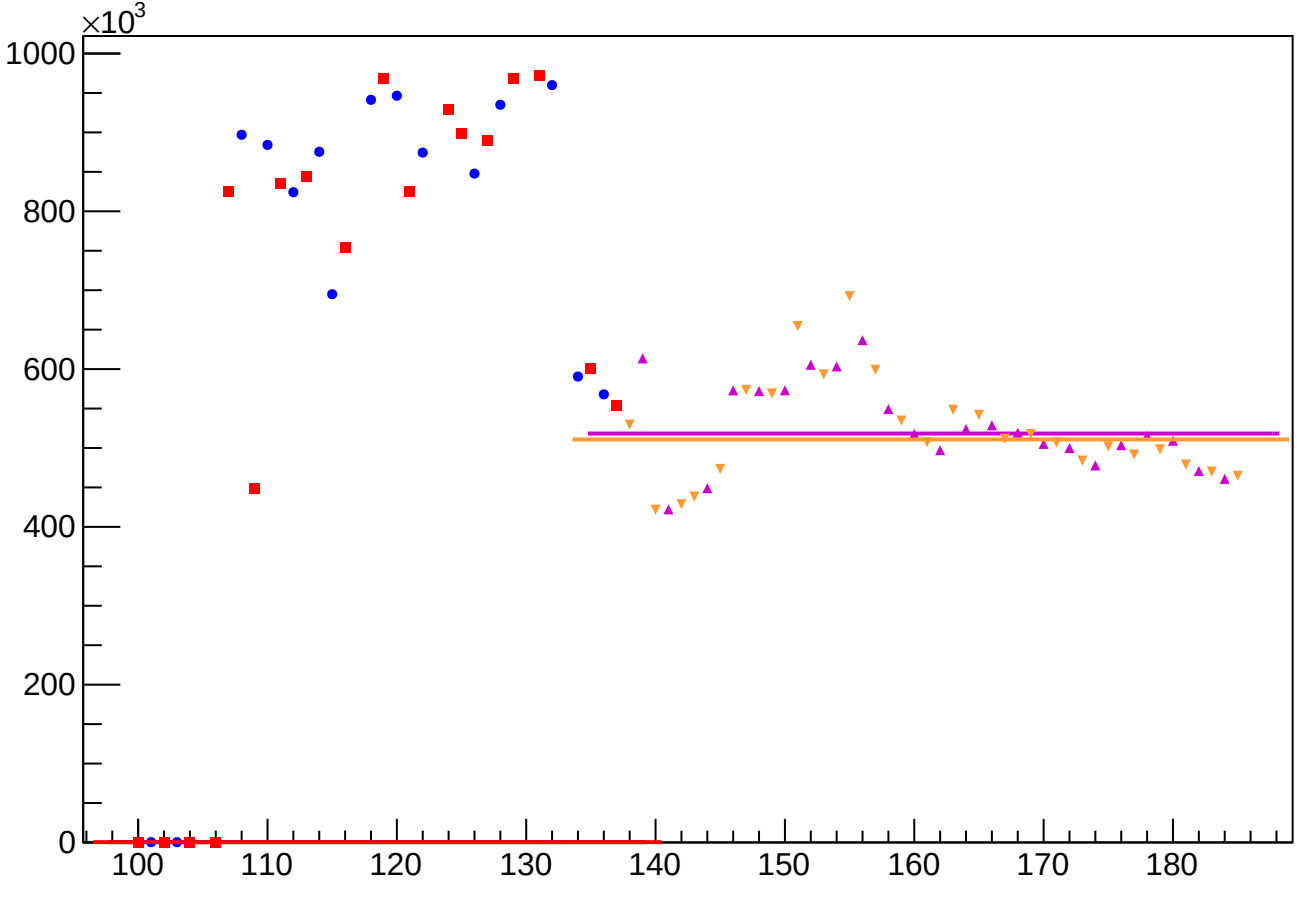
Right: 2192.175+/-0.532 χ^2/NDF: 5520621.9/27

In: 2088.285+/-0.321 χ^2/NDF:4856274.1/35

Out: 2142.916+/-0.321 χ^2/NDF:4474830.5/39

All: 2115.662+/-0.227 χ^2/NDF: 9345591.9/75


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: 17.7/15
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: 33.8/35
In: 0.256+/-0.356 χ²/NDF:45.9/38
Out: -0.100+/-0.328 χ²/NDF:98.0/44
All: 0.063+/-0.241 χ²/NDF: 144.4/83



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

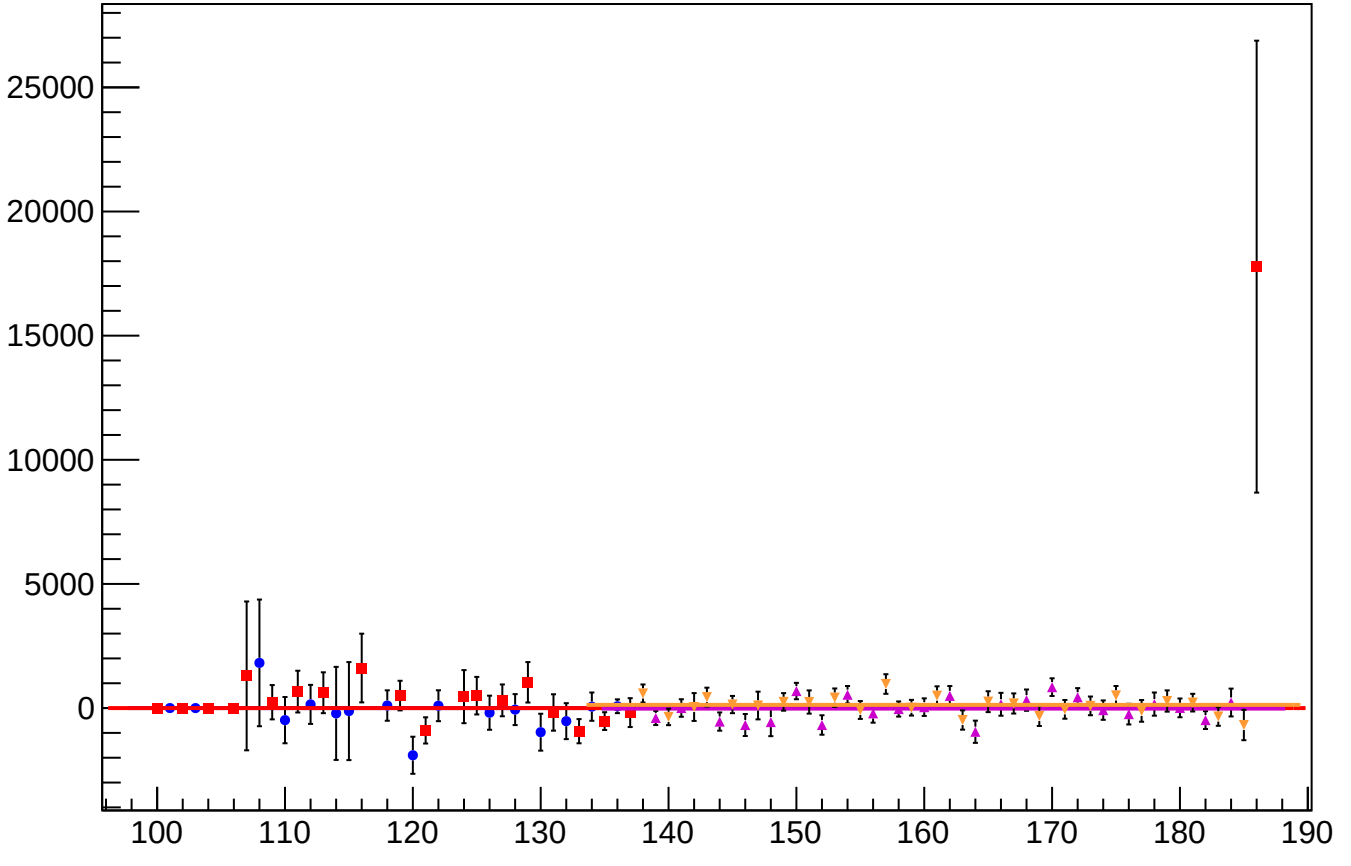
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

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: 10.5/15

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

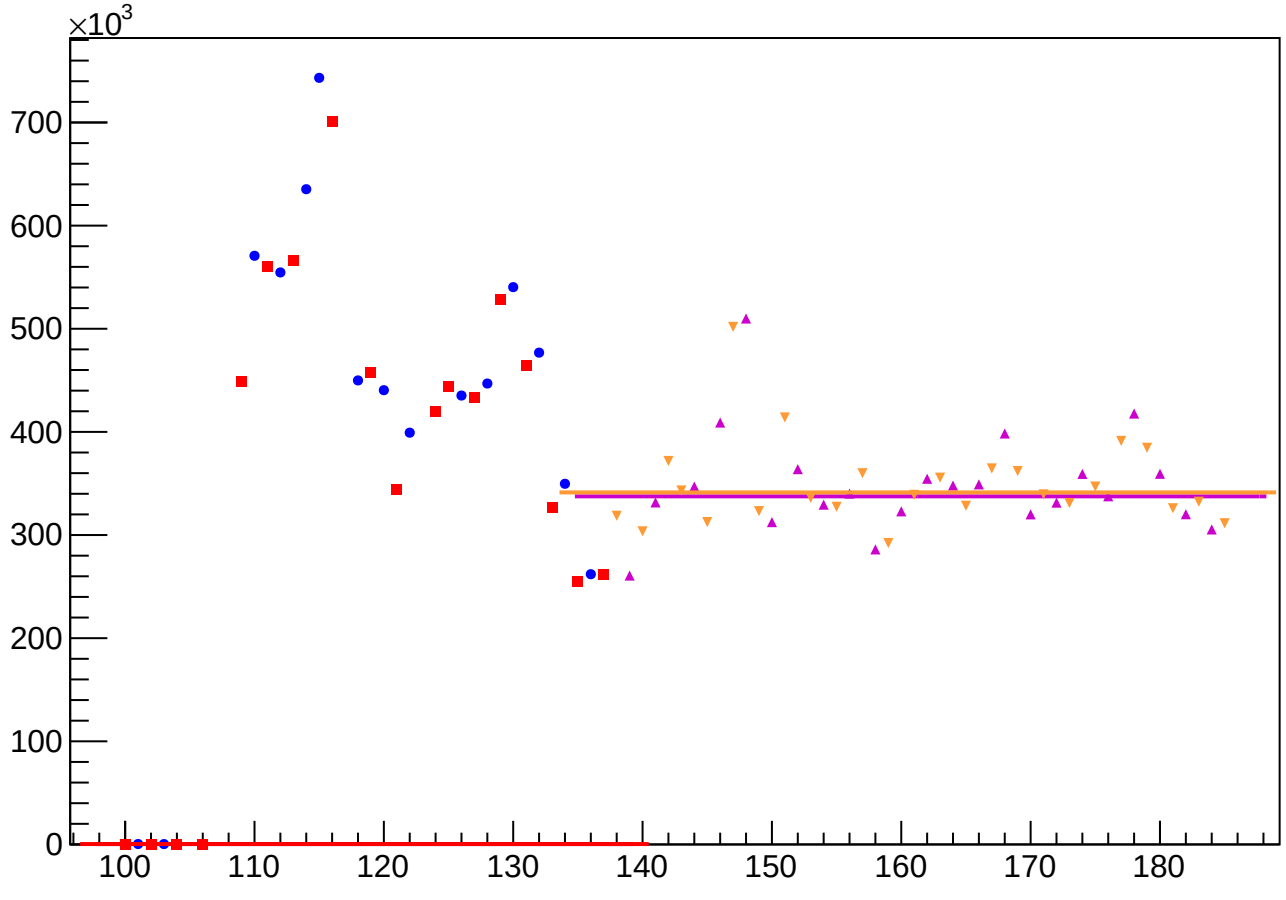
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 30.8/35

In: -0.021+/-0.347 χ^2/NDF:44.2/38

Out: -0.596+/-0.324 χ^2/NDF:41.7/44

All: -0.329+/-0.237 χ^2/NDF: 87.3/83



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

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

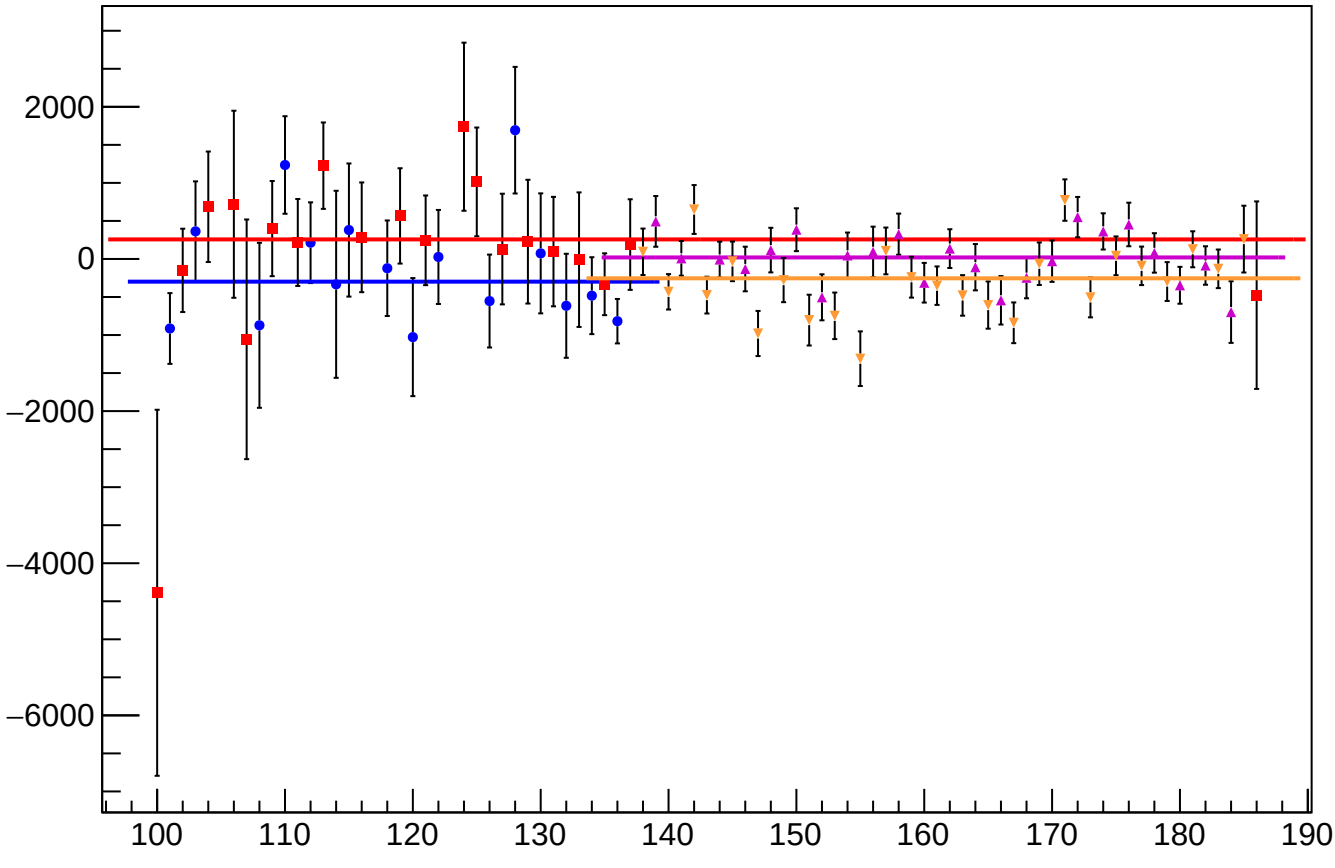
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 396.659+/-0.245 χ^2/NDF:47450861.3/37

Out: 393.822+/-0.229 χ^2/NDF:49445820.2/42

All: 395.142+/-0.167 χ^2/NDF: 96896752.9/80



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 257.063+/-155.334 χ^2/NDF: 14.2/19

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

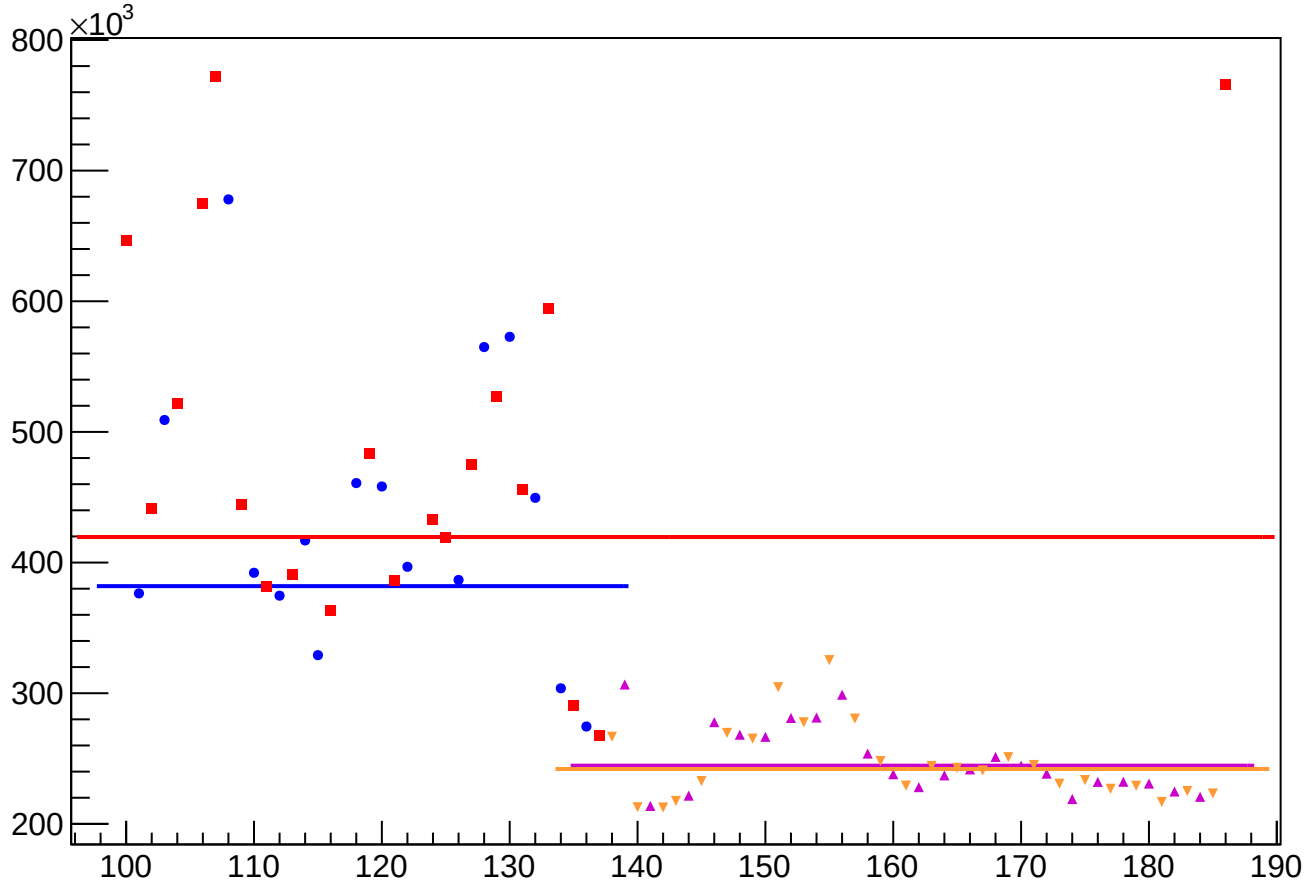
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

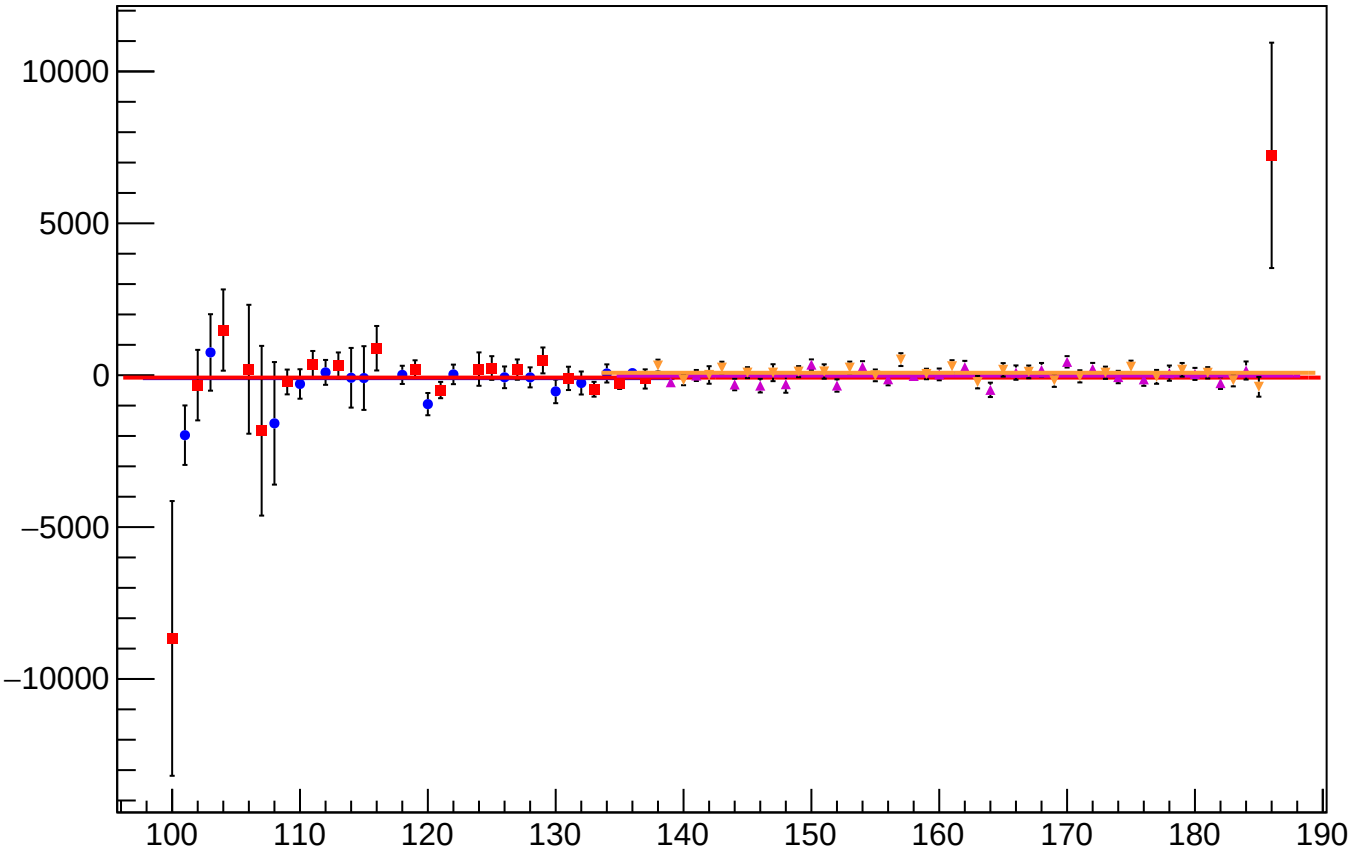
Right: -35.205+/-106.910 χ^2/NDF: 42.1/35

In: -21.878+/-53.554 χ^2/NDF:53.8/38

Out: -196.625+/-52.195 χ^2/NDF:85.1/44

All: -111.496+/-37.379 χ^2/NDF: 144.4/83


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
180
190
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 242008.749+/-39.186 χ²/NDF:413236.1/24
Right Out: 419562.794+/-109.928 χ²/NDF: 908583.3/19
Left In: 244542.686+/-40.647 χ²/NDF:361527.4/22
Left: 243229.356+/-28.211 χ²/NDF: 776777.7/47
Right: 399760.630+/-75.633 χ²/NDF: 1806643.3/35
In: 262684.705+/-37.869 χ²/NDF:2706891.8/38
Out: 262026.988+/-36.911 χ²/NDF:3636509.8/44
All: 262347.421+/-26.432 χ²/NDF: 6343556.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

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

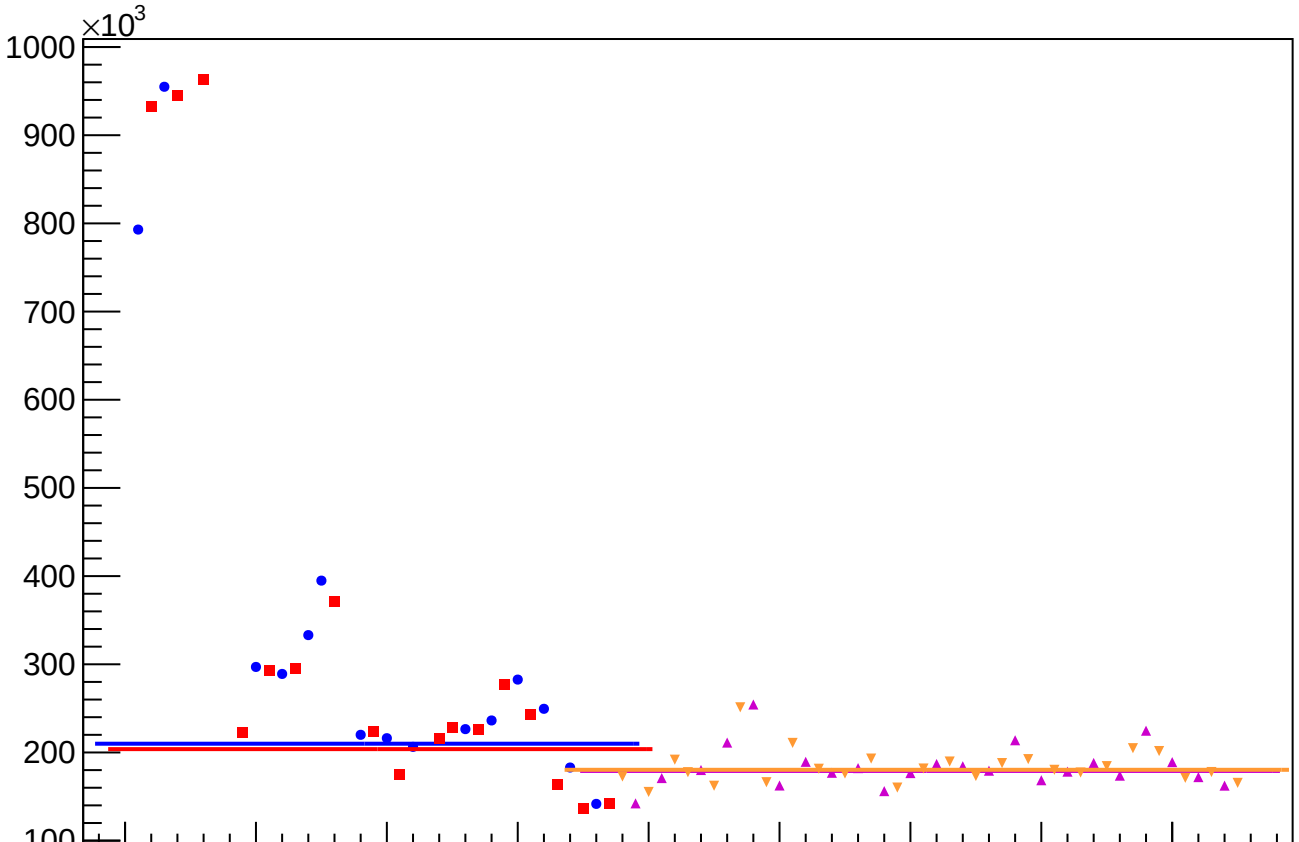
Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

Right: -87.178+/-62.066 χ^2/NDF: 36.7/35

In: -29.273+/-38.097 χ^2/NDF:47.6/38

Out: 50.560+/-37.333 χ^2/NDF:45.4/44

All: 11.452+/-26.664 χ^2/NDF: 95.2/83



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

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

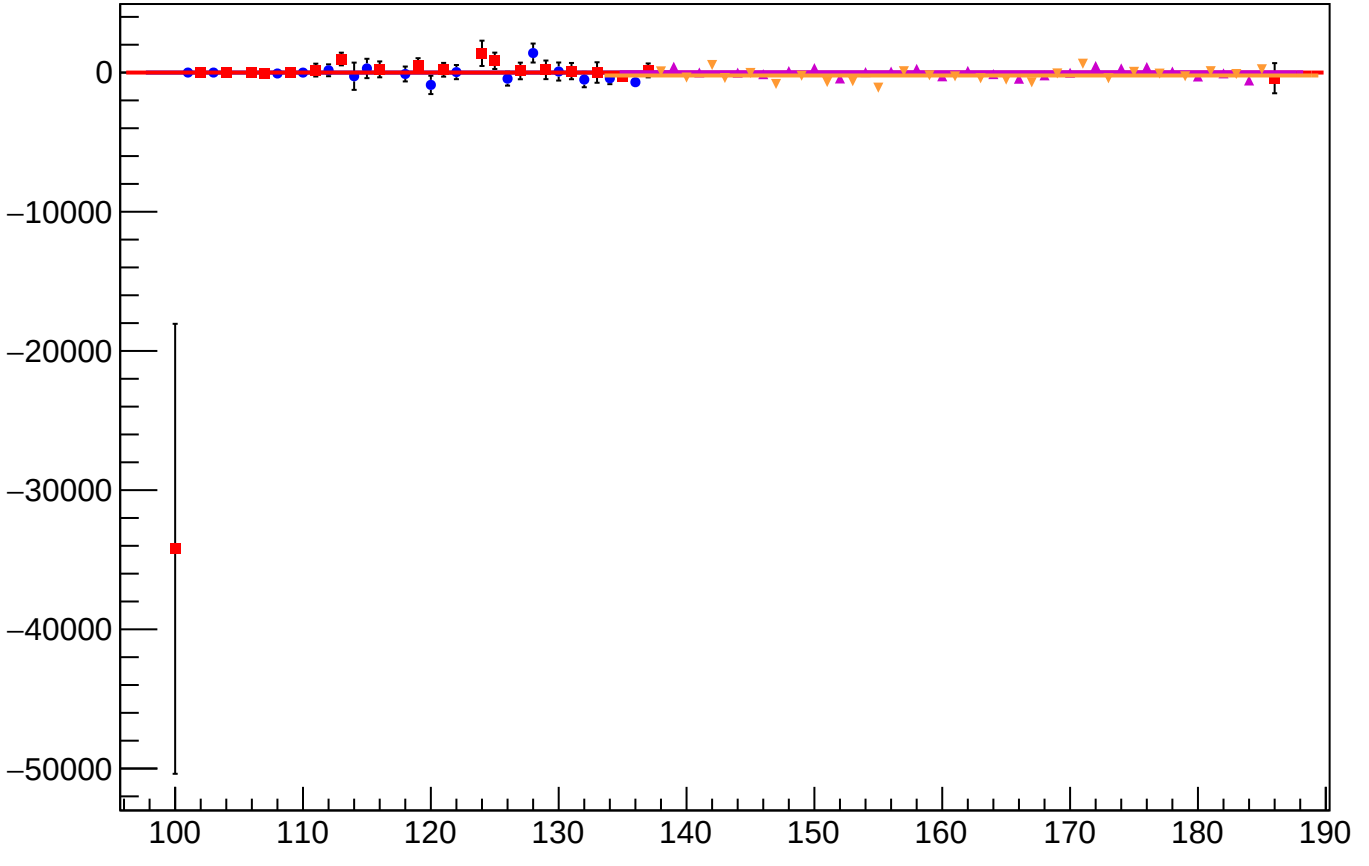
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184765.140+/-26.947 χ^2/NDF:2660243.1/37

Out: 184612.949+/-26.412 χ^2/NDF:2534484.9/41

All: 184687.517+/-18.862 χ^2/NDF: 5194744.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

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

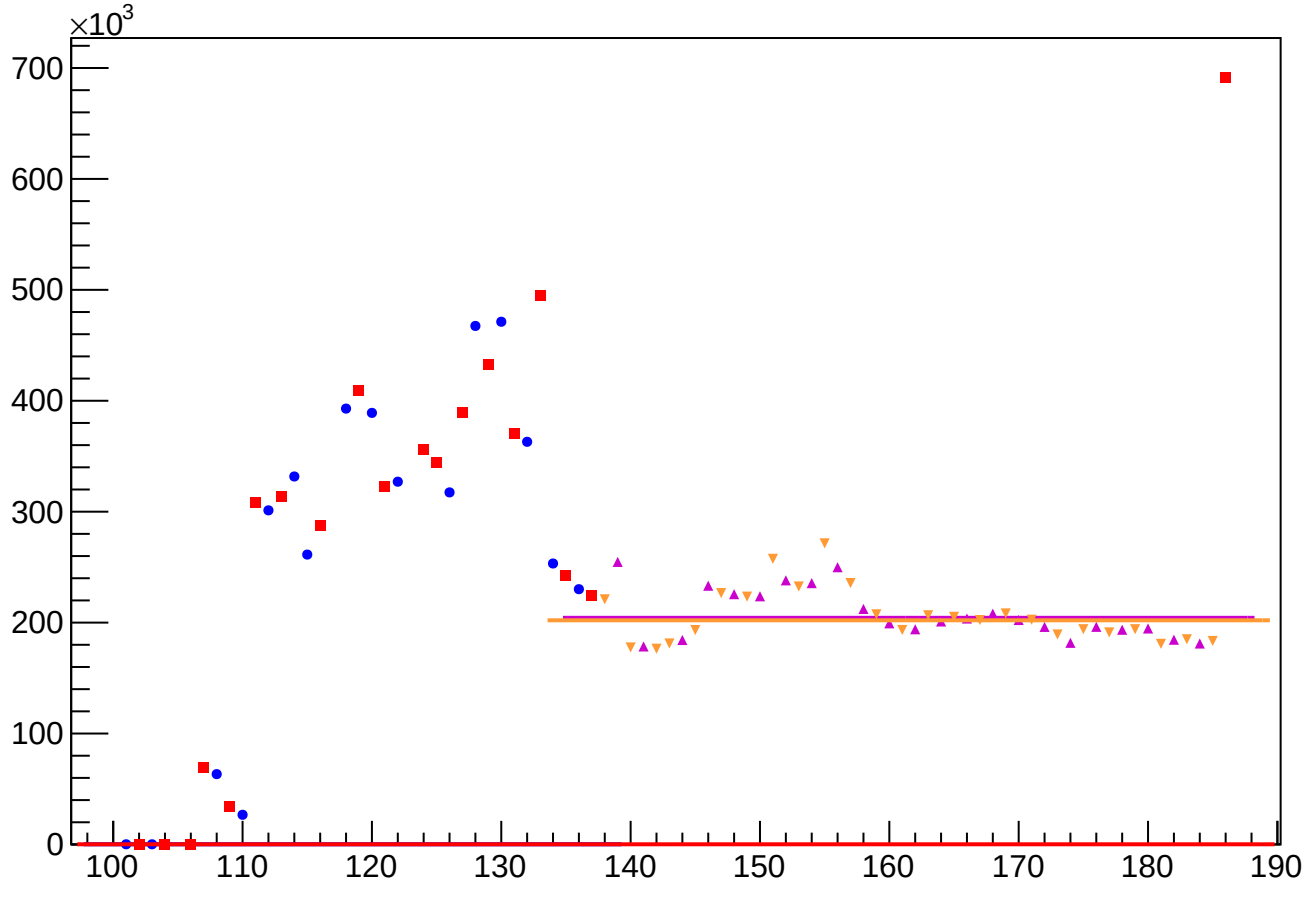
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 37.5/35

In: -0.035+/-0.172 χ^2/NDF:46.9/38

Out: 0.353+/-0.160 χ^2/NDF:98.5/44

All: 0.173+/-0.117 χ^2/NDF: 148.1/83



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

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

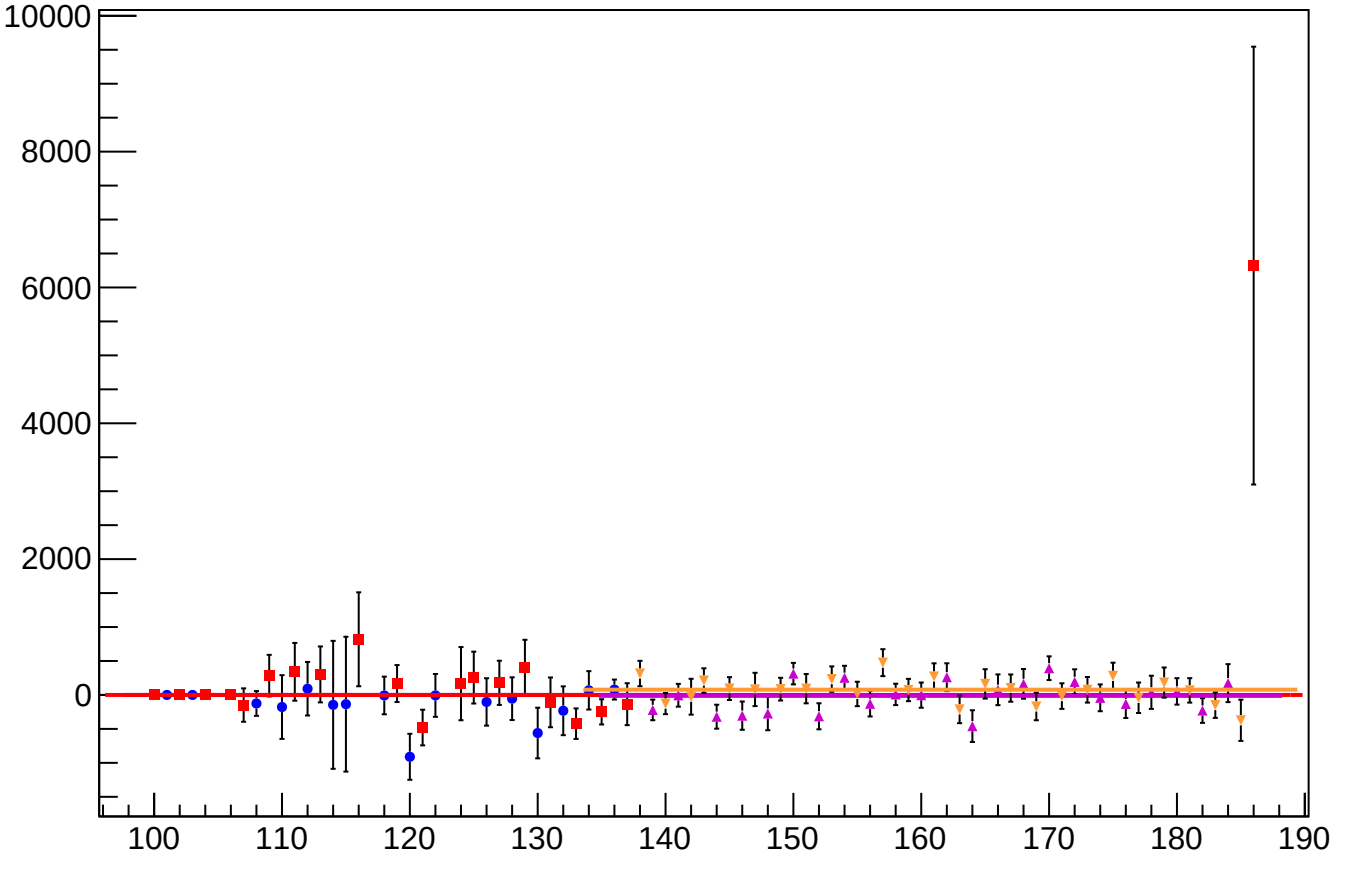
Right: 149.254+/-0.083 χ^2/NDF: 23406266.4/34

In: 151.717+/-0.122 χ^2/NDF:47804760.7/38

Out: 151.810+/-0.113 χ^2/NDF:50600153.7/43

All: 151.767+/-0.083 χ^2/NDF: 98404914.8/82

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

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

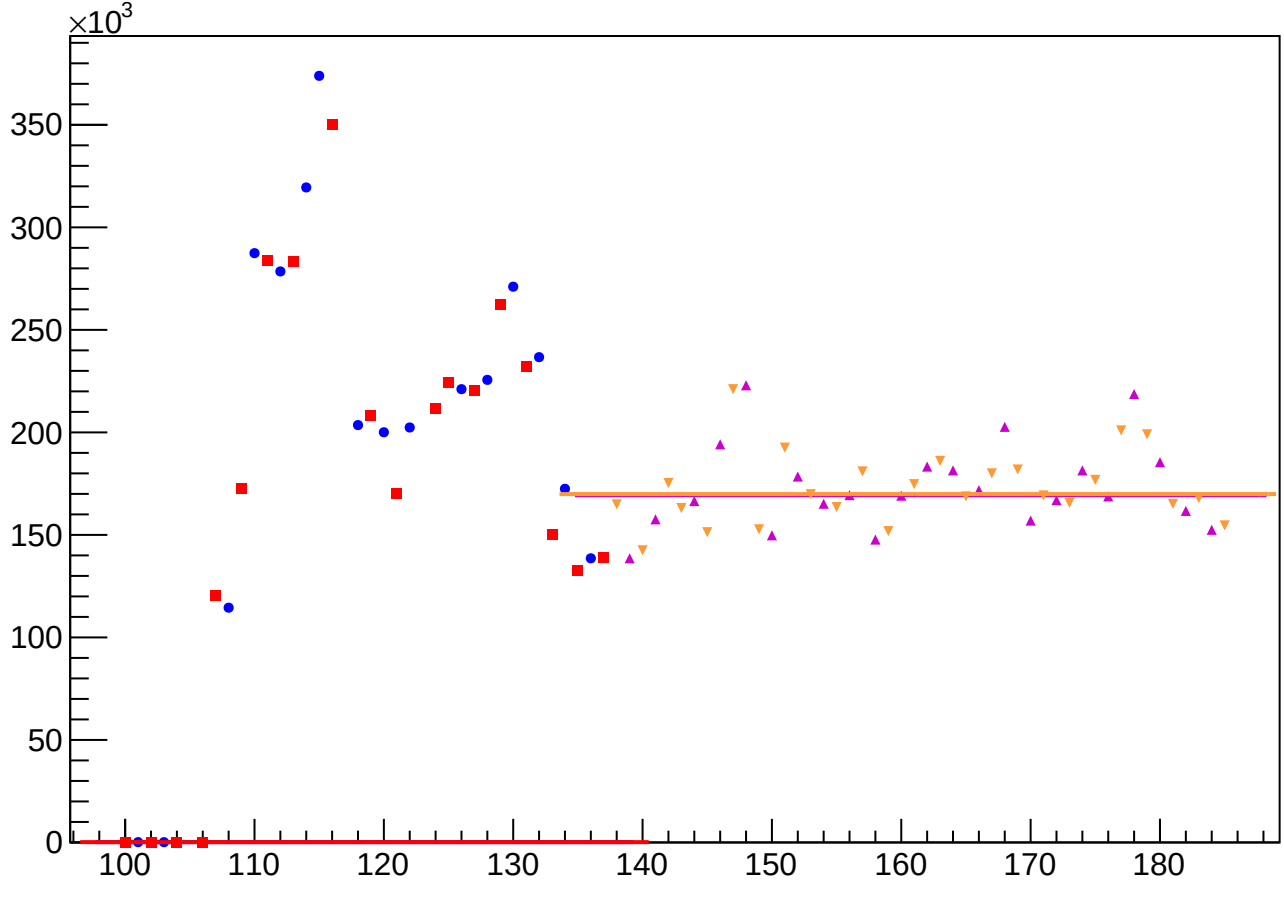
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 30.4/35

In: -0.068+/-0.177 χ^2/NDF:44.0/38

Out: -0.125+/-0.166 χ^2/NDF:42.2/44

All: -0.098+/-0.121 χ^2/NDF: 86.2/83



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

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

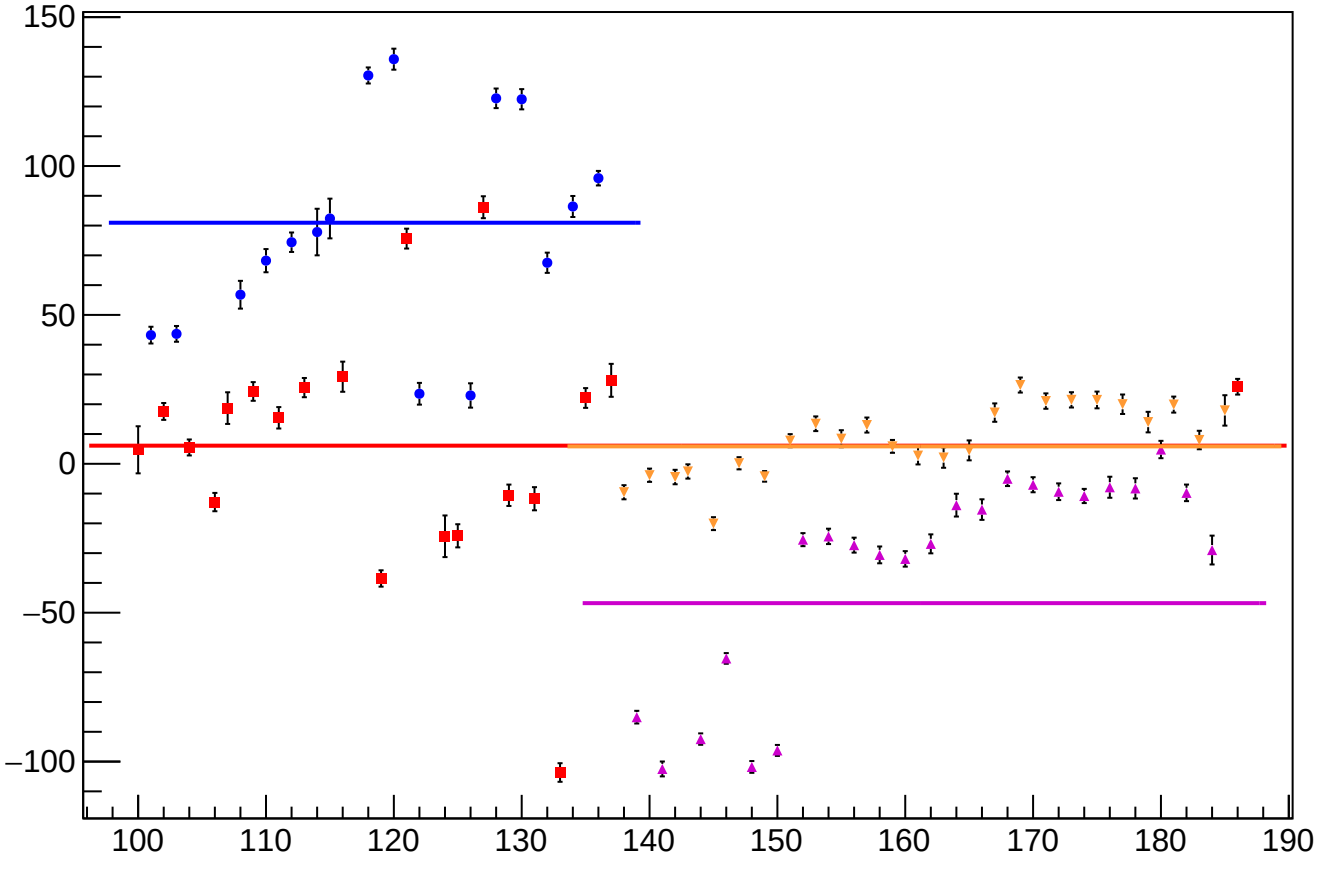
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.793+/-0.125 χ^2/NDF:48290990.7/38

Out: 159.264+/-0.118 χ^2/NDF:49741898.0/43

All: 158.106+/-0.086 χ^2/NDF: 98033095.1/82

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

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

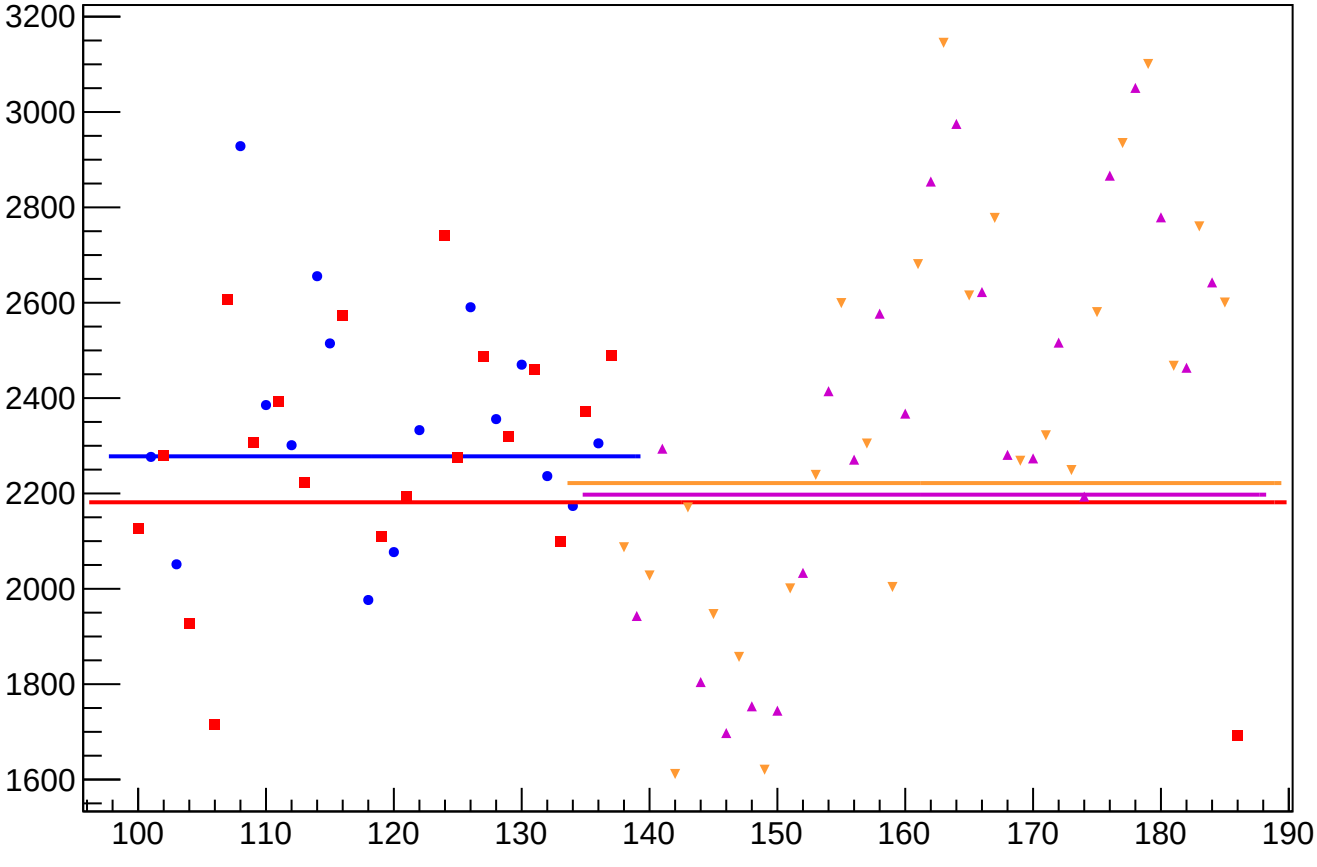
Right: 40.403+/-0.576 χ^2/NDF: 8782.7/35

In: -11.656+/-0.447 χ^2/NDF:23308.8/38

Out: 5.924+/-0.430 χ^2/NDF:3316.6/44

All: -2.528+/-0.310 χ^2/NDF: 27430.1/83

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

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

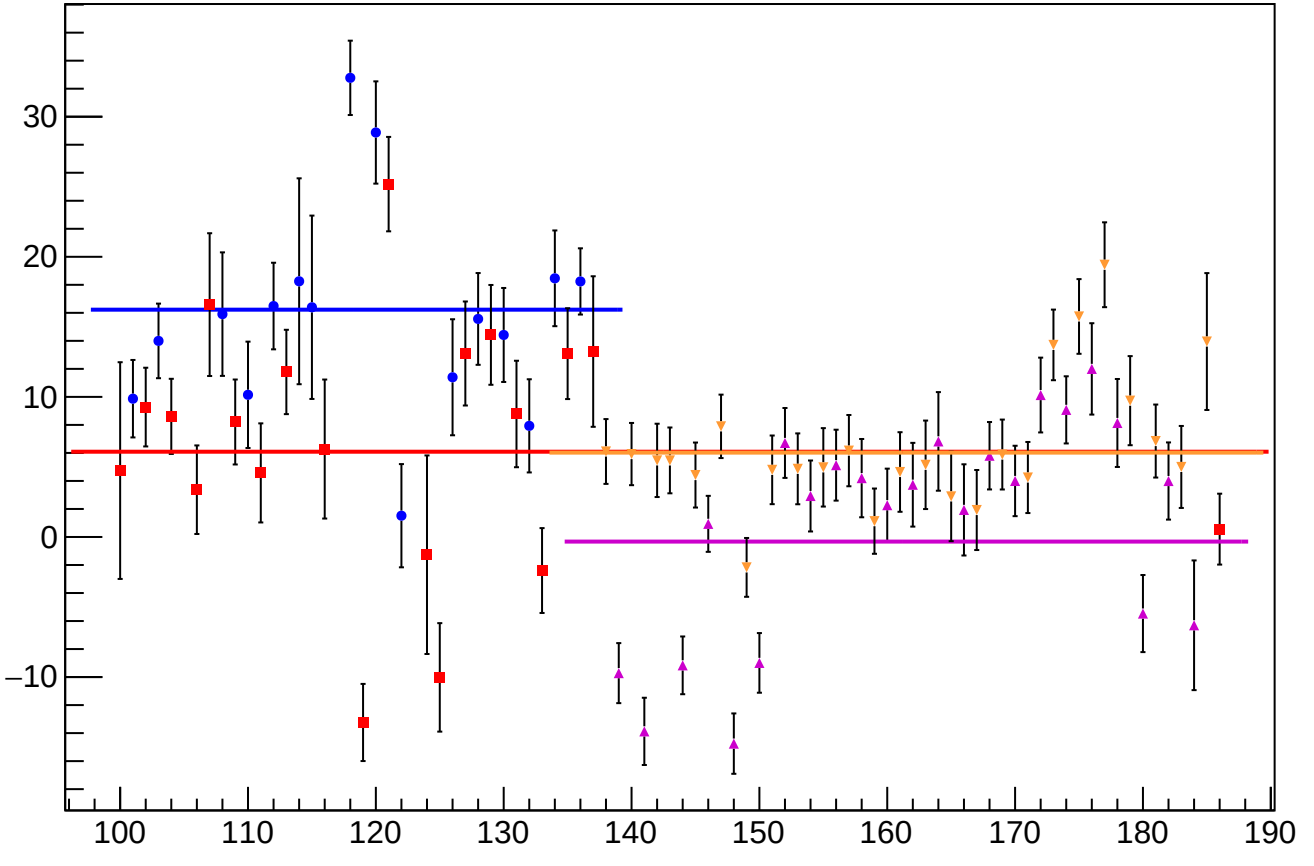
Right: 2225.659+/-0.408 χ^2/NDF: 356086.9/35

In: 2219.585+/-0.316 χ^2/NDF:1233361.0/38

Out: 2209.644+/-0.304 χ^2/NDF:1414175.9/44

All: 2214.423+/-0.219 χ^2/NDF: 2648051.5/83

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

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

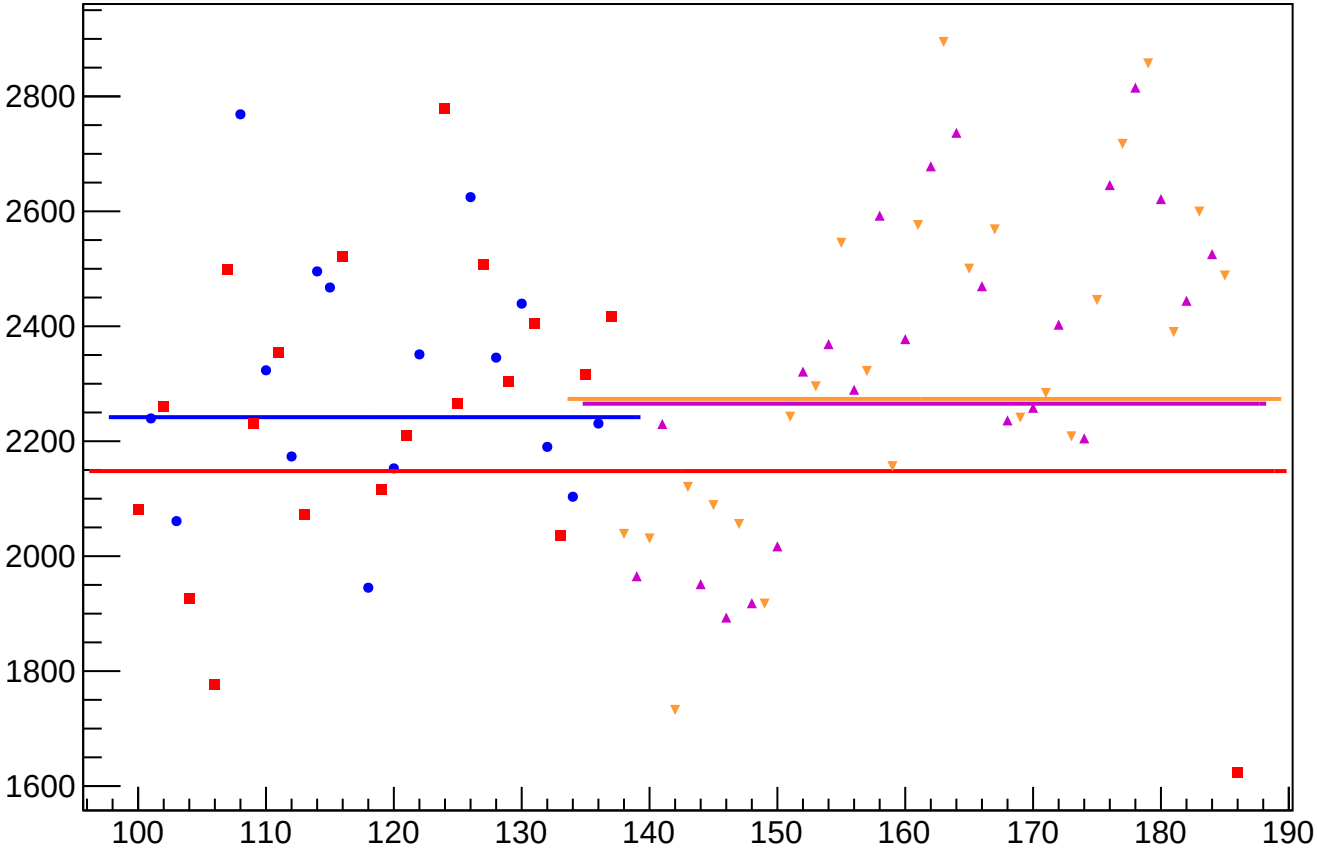
Right: 10.736+/-0.567 χ^2/NDF: 303.7/35

In: 4.463+/-0.451 χ^2/NDF:587.0/38

Out: 6.042+/-0.432 χ^2/NDF:211.6/44

All: 5.287+/-0.312 χ^2/NDF: 805.0/83

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

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

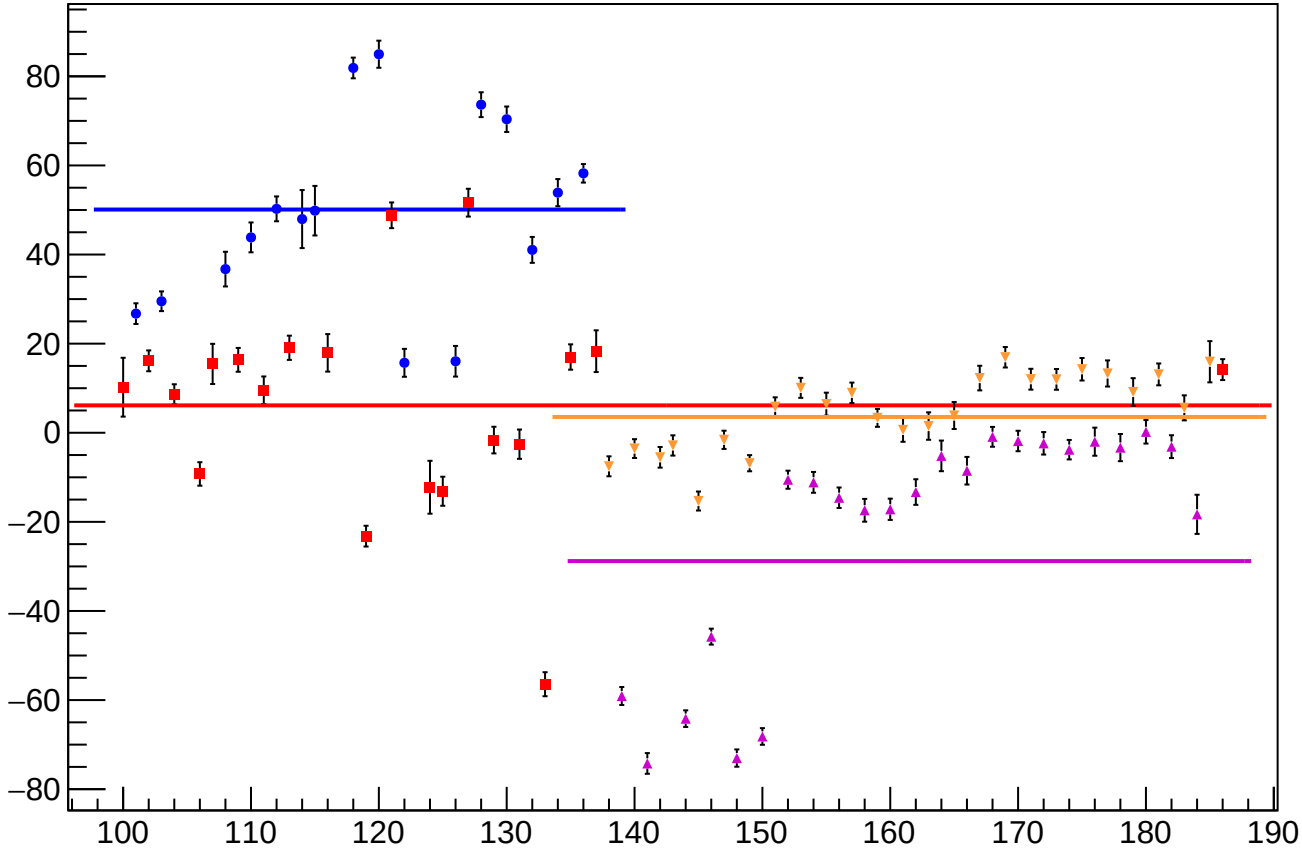
Right: 2191.063+/-0.401 χ^2/NDF: 340587.0/35

In: 2258.483+/-0.319 χ^2/NDF:599186.8/38

Out: 2234.257+/-0.305 χ^2/NDF:798018.4/44

All: 2245.846+/-0.220 χ^2/NDF: 1400220.4/83

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

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

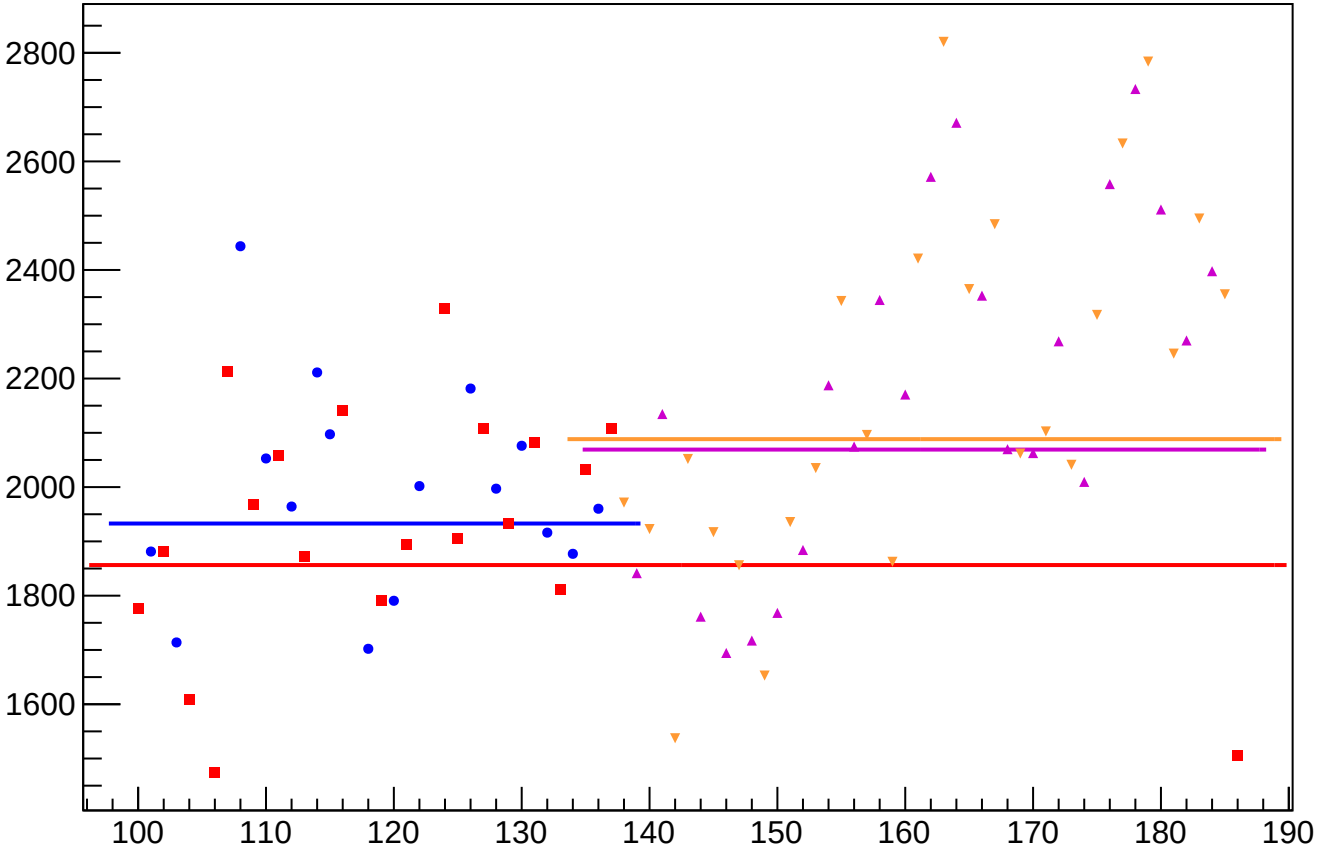
Right: 26.342+/-0.489 χ^2/NDF: 4215.7/35

In: -3.868+/-0.406 χ^2/NDF:12317.6/38

Out: 4.434+/-0.390 χ^2/NDF:1654.1/44

All: 0.455+/-0.281 χ^2/NDF: 14189.5/83

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

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

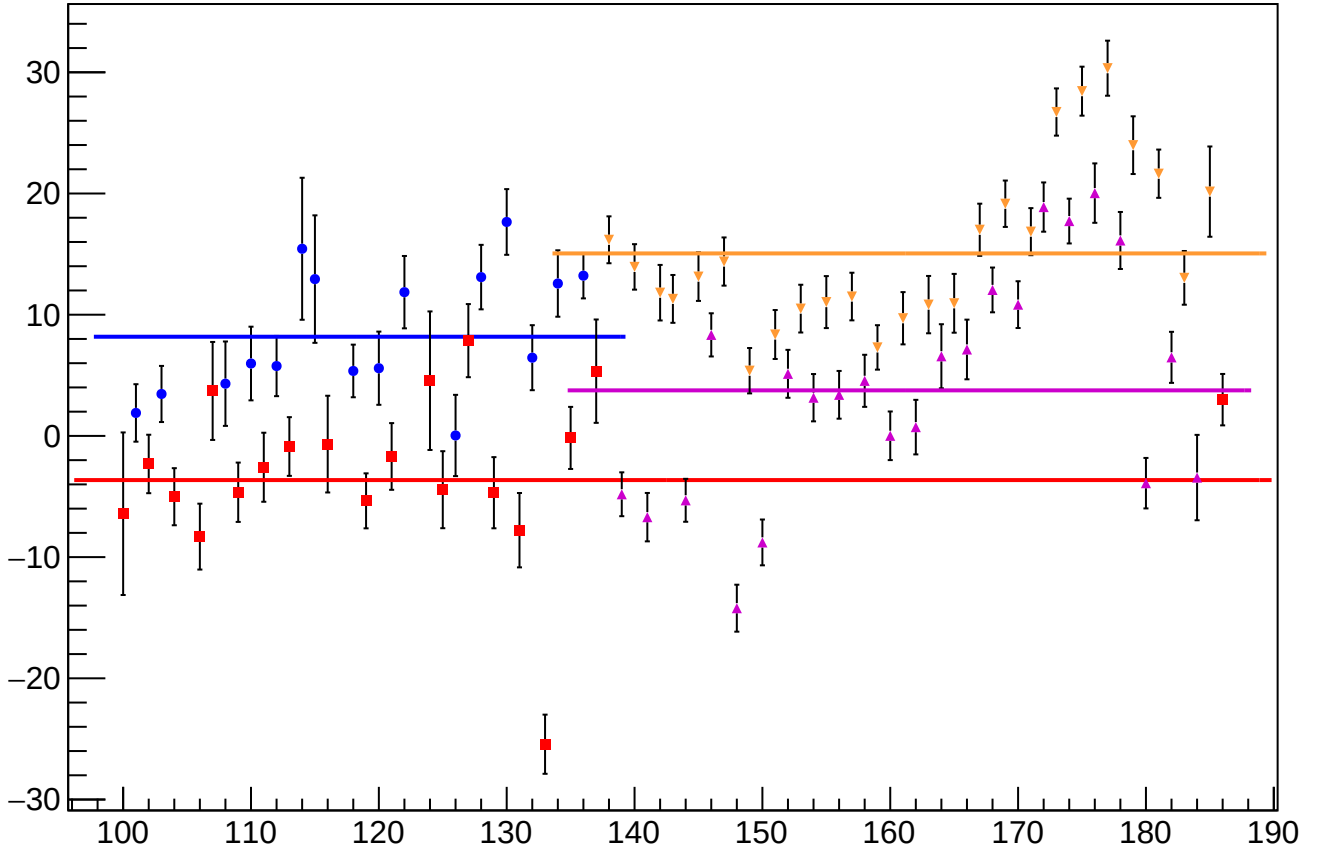
Right: 1891.557+/-0.346 χ^2/NDF: 316187.3/35

In: 2026.070+/-0.287 χ^2/NDF:866140.1/38

Out: 2008.968+/-0.275 χ^2/NDF:1145170.9/44

All: 2017.165+/-0.199 χ^2/NDF: 2013159.2/83

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

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

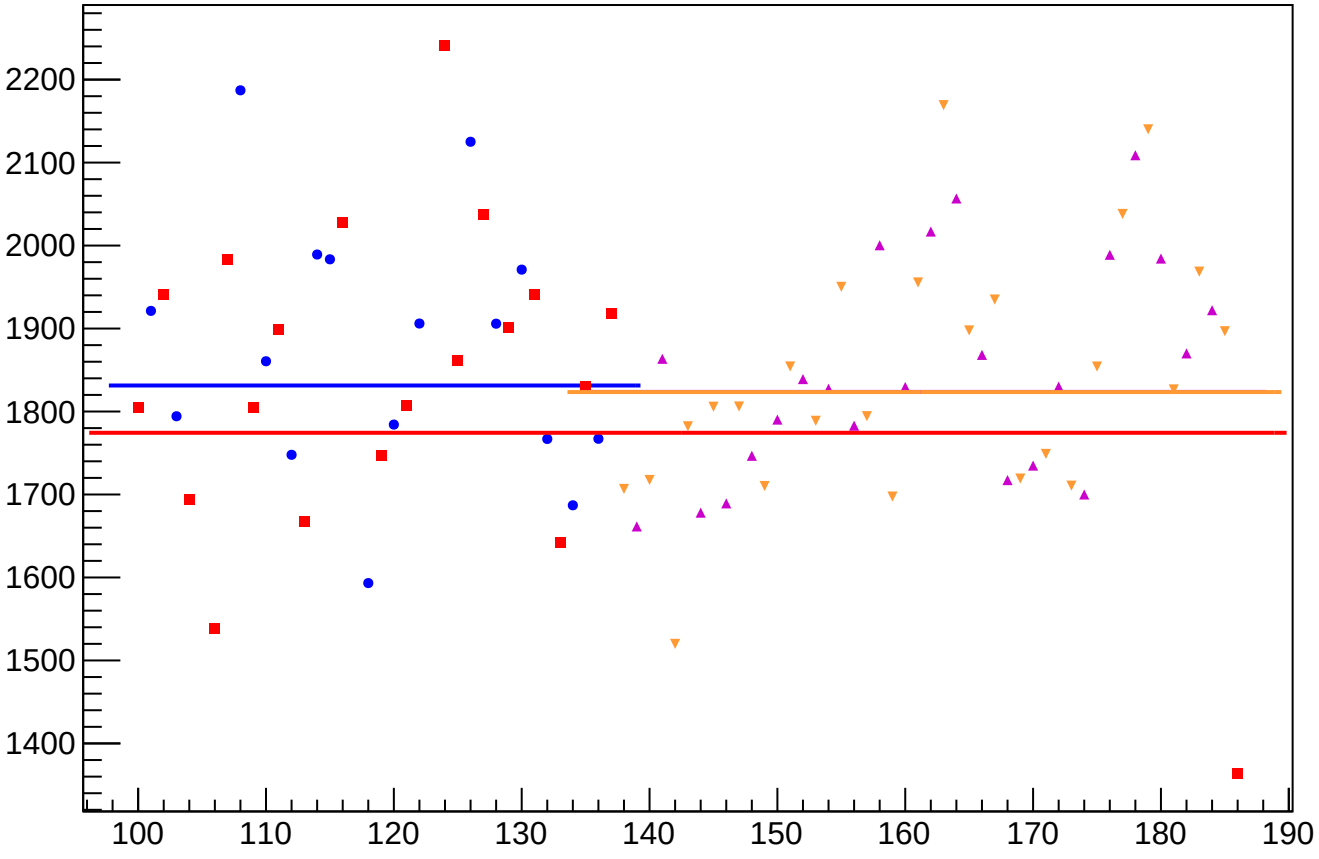
Right: 1.834+/-0.465 χ^2/NDF: 337.3/35

In: 5.004+/-0.363 χ^2/NDF:541.1/38

Out: 9.446+/-0.348 χ^2/NDF:978.1/44

All: 7.318+/-0.251 χ^2/NDF: 1597.3/83

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

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

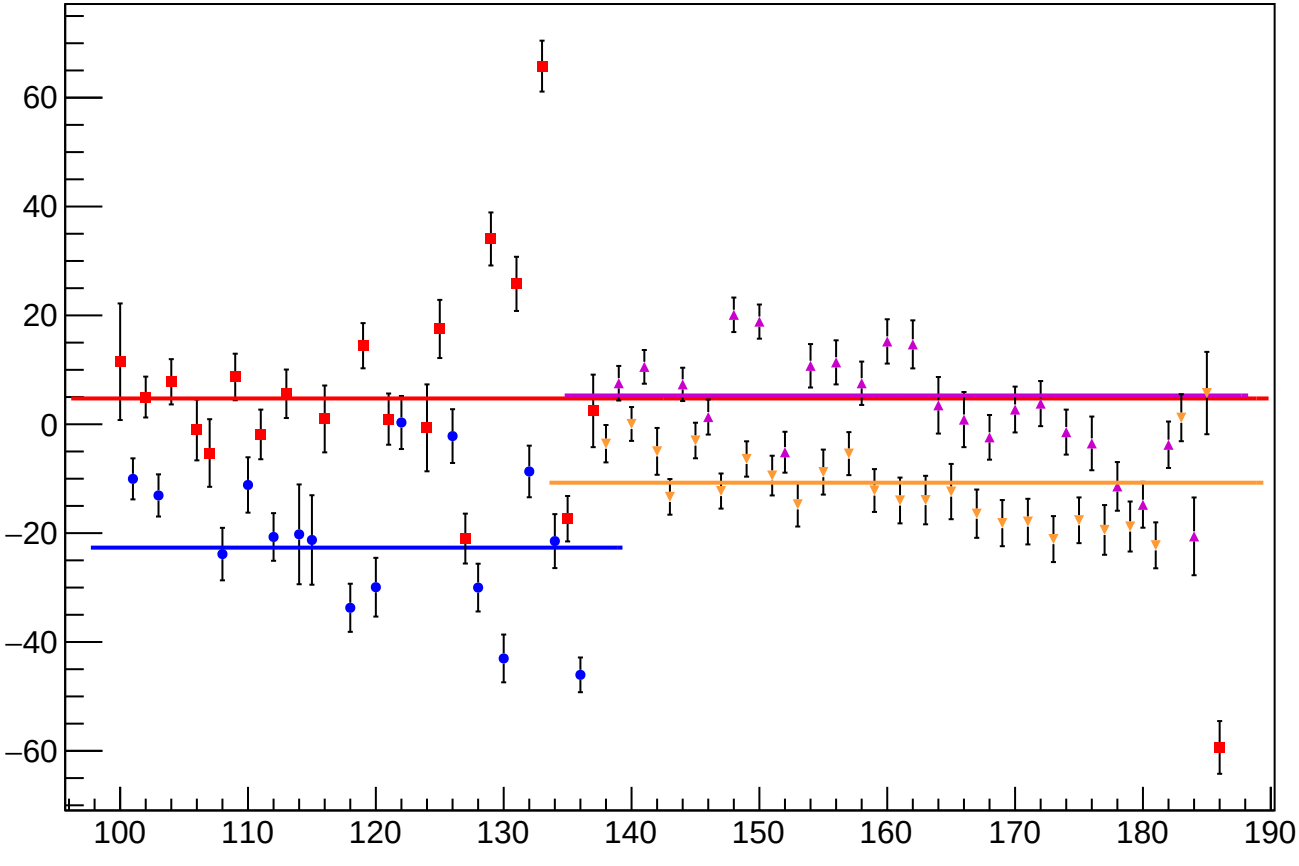
Right: 1800.764+/-0.329 χ^2/NDF: 267443.8/35

In: 1825.803+/-0.256 χ^2/NDF:250871.3/38

Out: 1808.725+/-0.246 χ^2/NDF:392701.8/44

All: 1816.907+/-0.177 χ^2/NDF: 645883.5/83

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

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

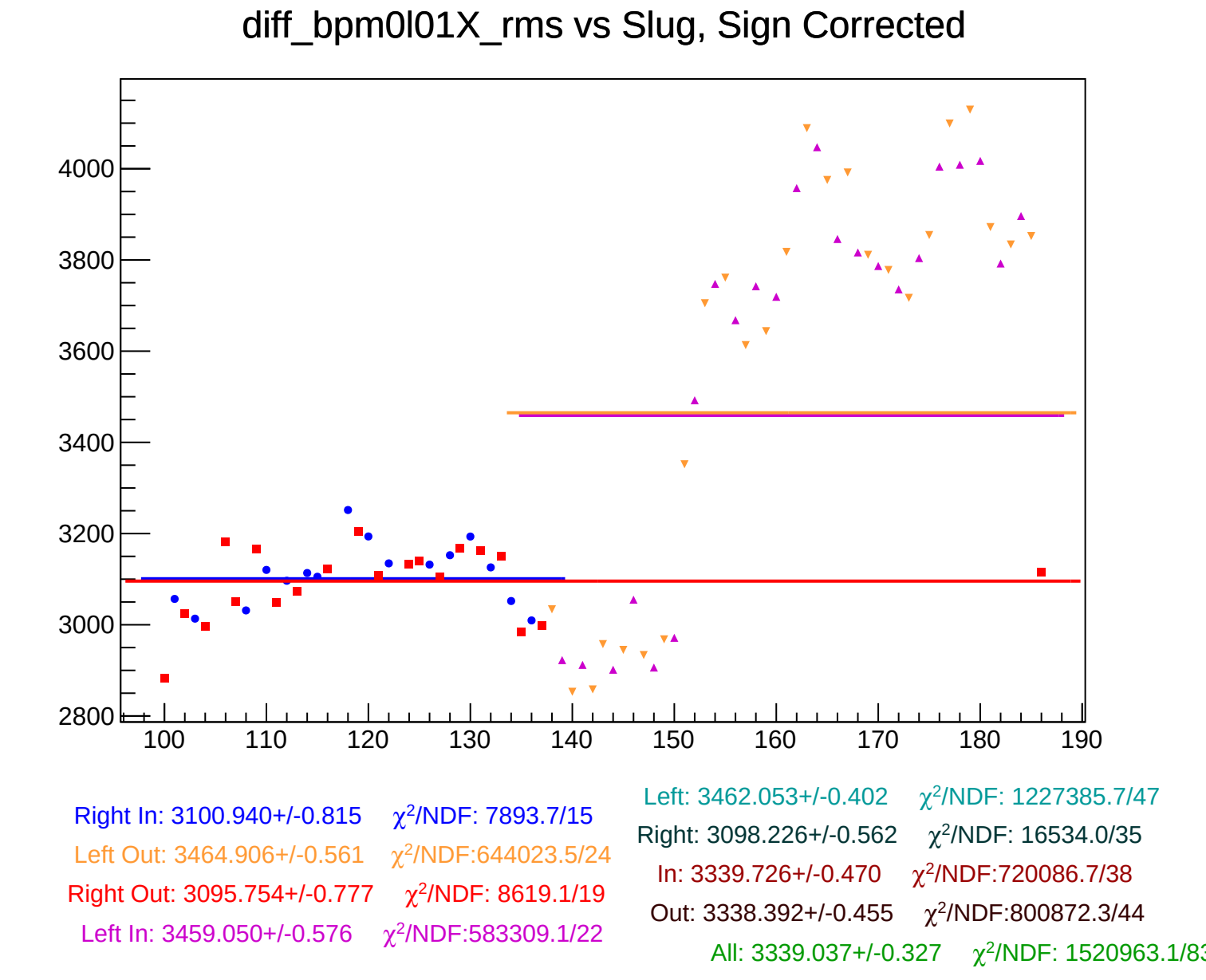
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -8.321+/-0.795 χ^2/NDF: 933.0/35

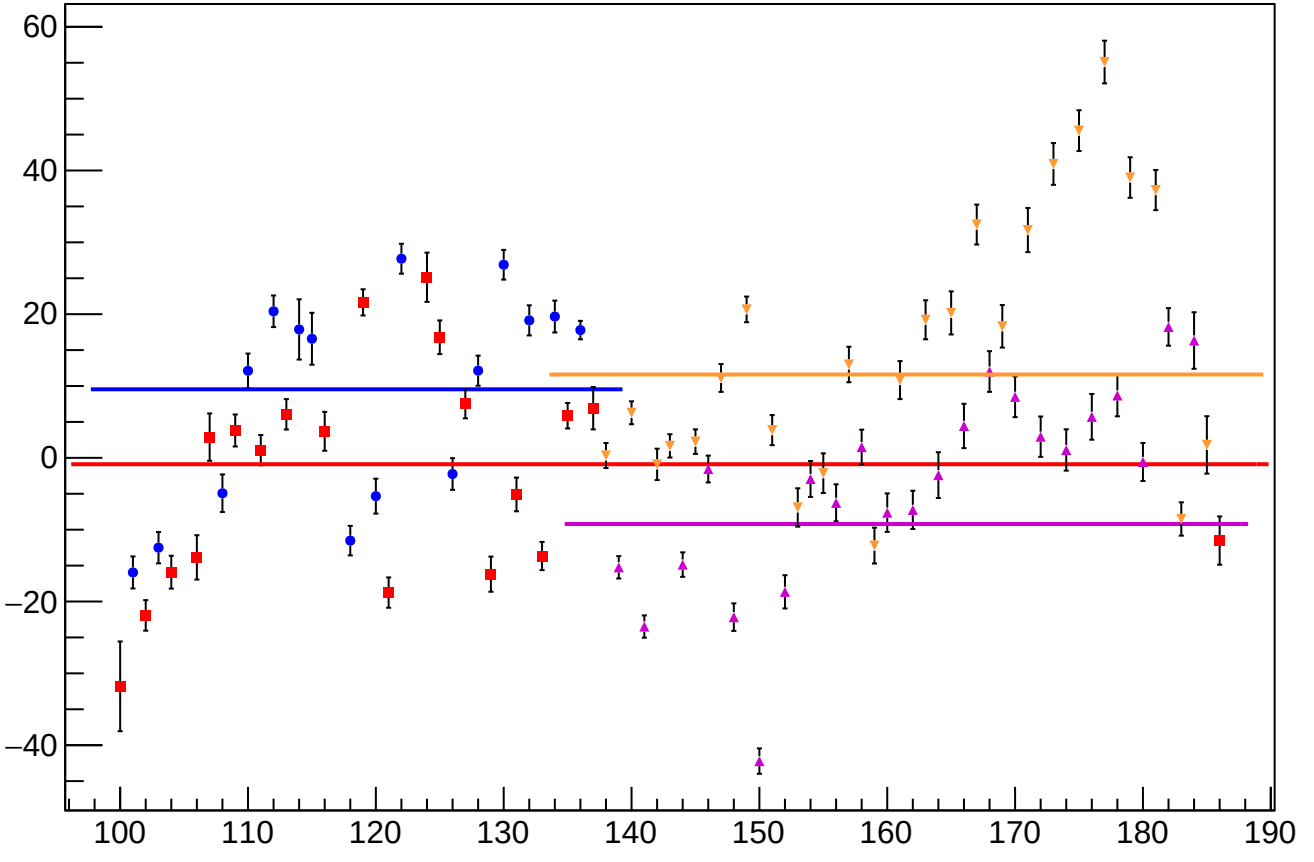
In: -4.023+/-0.665 χ^2/NDF:683.4/38

Out: -5.430+/-0.644 χ^2/NDF:683.6/44

All: -4.749+/-0.462 χ^2/NDF: 1369.3/83


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: 3100.940+/-0.815 χ²/NDF: 7893.7/15
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: 3098.226+/-0.562 χ²/NDF: 16534.0/35
In: 3339.726+/-0.470 χ²/NDF:720086.7/38
Out: 3338.392+/-0.455 χ²/NDF:800872.3/44
All: 3339.037+/-0.327 χ²/NDF: 1520963.1/83

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

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

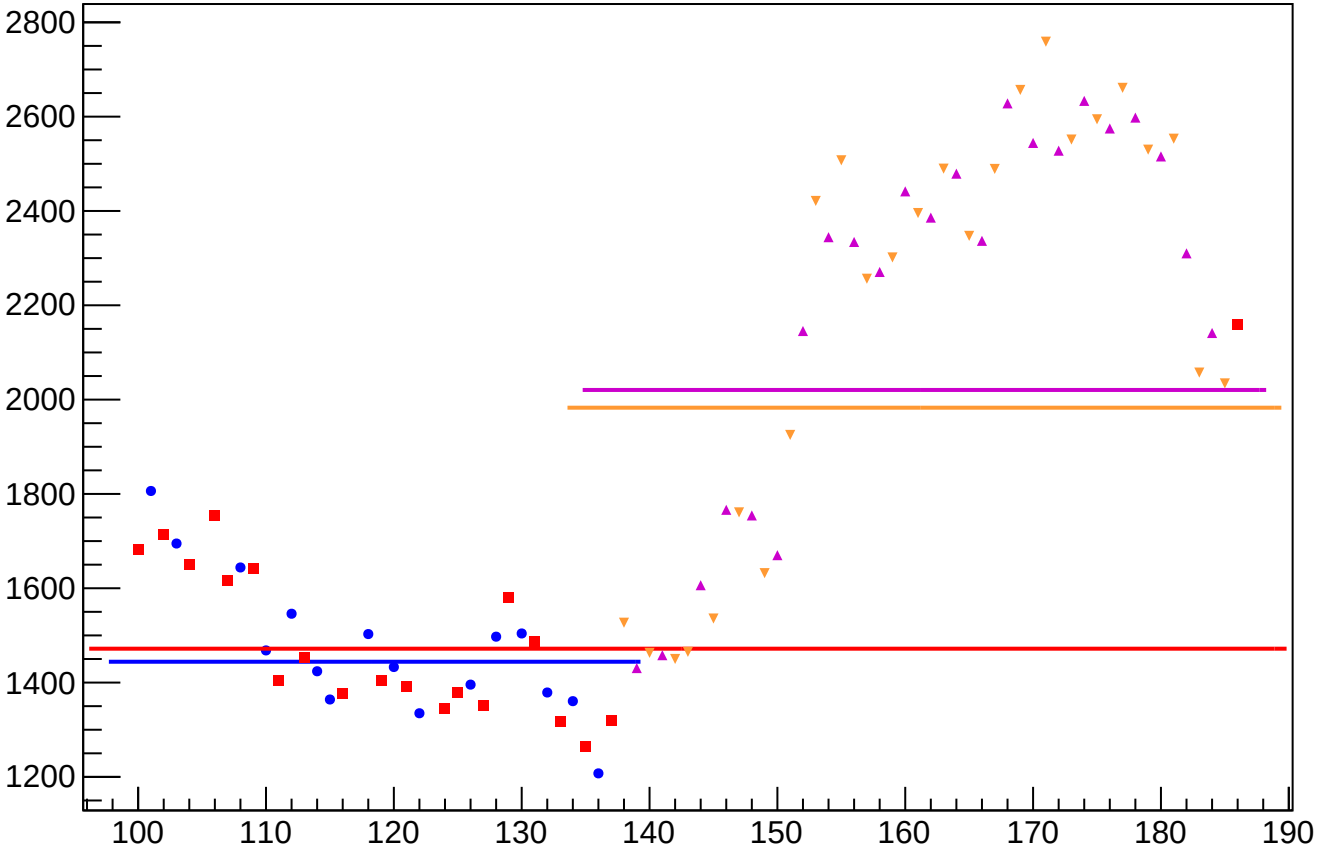
Right: 4.191+/-0.378 χ^2/NDF: 1565.2/35

In: -0.885+/-0.361 χ^2/NDF:2306.6/38

Out: 6.159+/-0.348 χ^2/NDF:2189.3/44

All: 2.762+/-0.251 χ^2/NDF: 4693.3/83

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

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

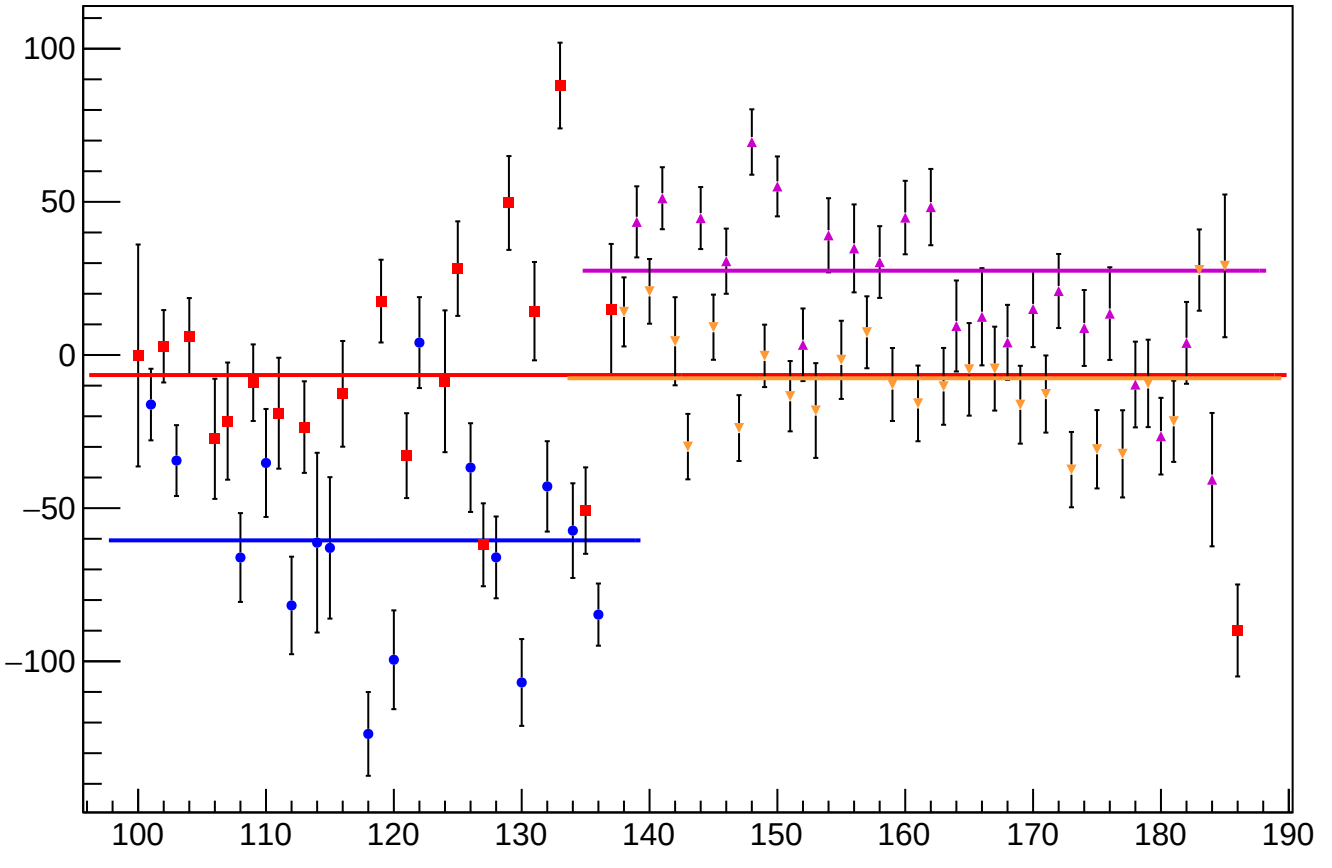
Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

Right: 1458.382+/-0.267 χ^2/NDF: 411618.0/35

In: 1764.546+/-0.255 χ^2/NDF:3054986.1/38

Out: 1760.269+/-0.246 χ^2/NDF:3265826.7/44

All: 1762.332+/-0.177 χ^2/NDF: 6320958.4/83



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

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

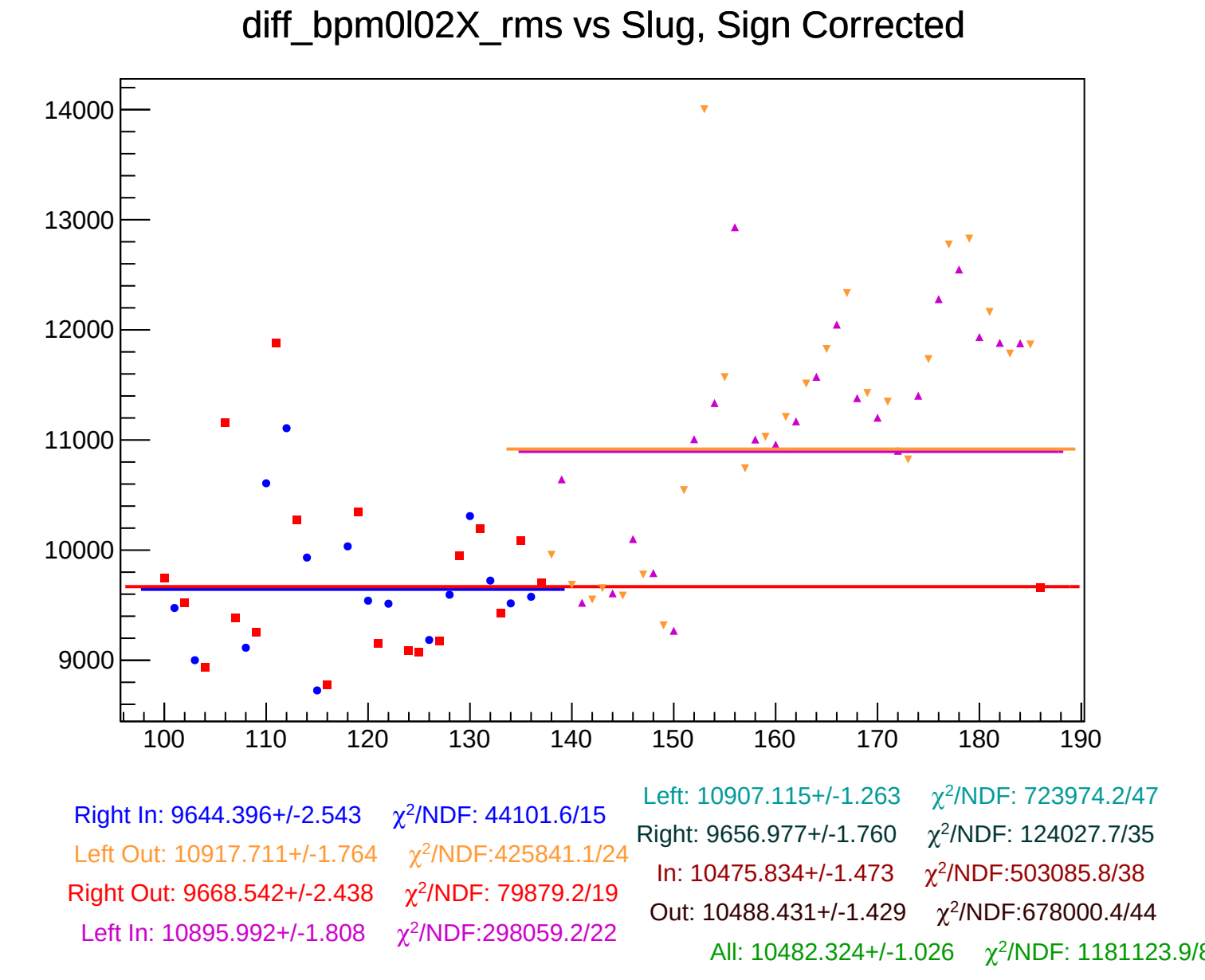
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -32.392+/-2.489 χ^2/NDF: 344.1/35

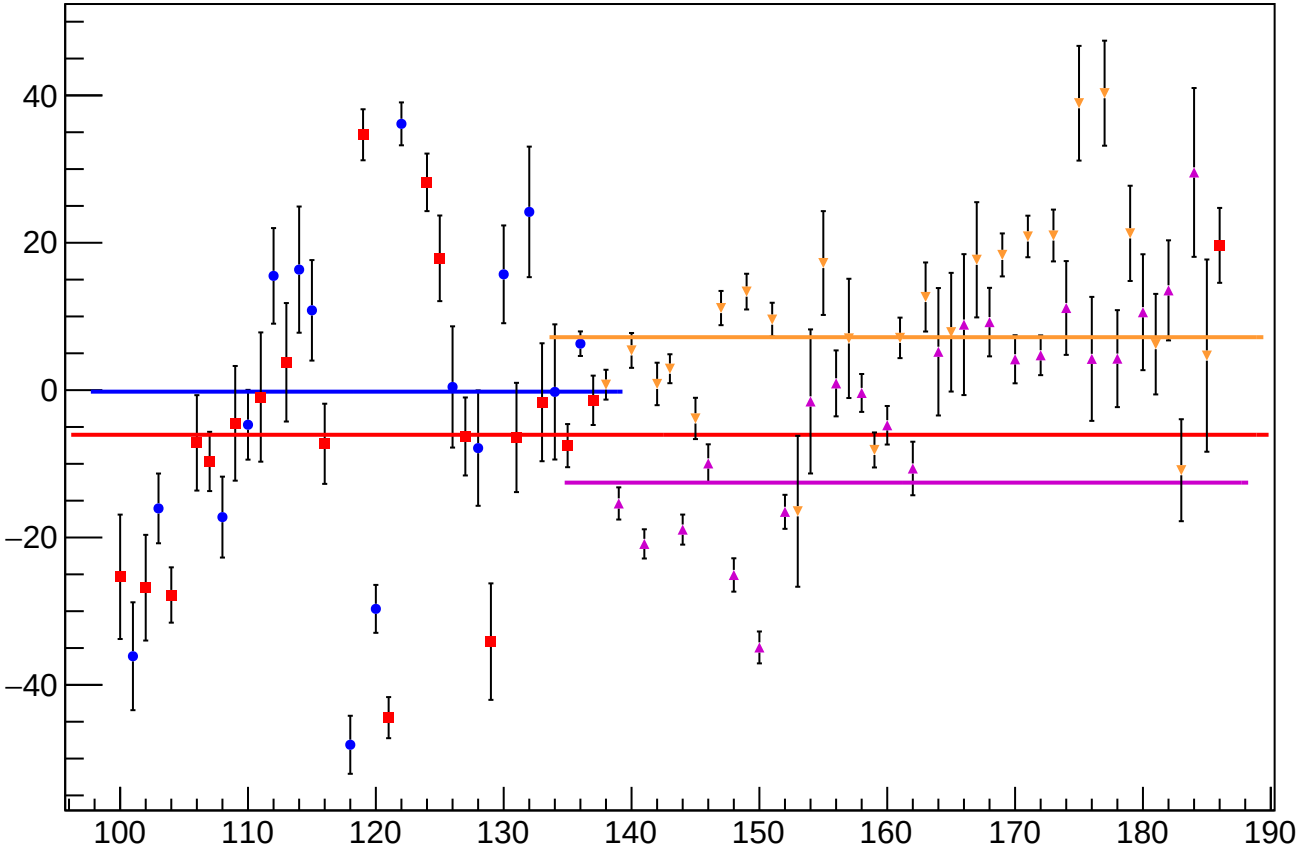
In: -2.029+/-2.084 χ^2/NDF:581.5/38

Out: -7.231+/-2.021 χ^2/NDF:184.4/44

All: -4.709+/-1.451 χ^2/NDF: 769.1/83


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
190
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9668.542+/-2.438 χ²/NDF: 79879.2/19
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9656.977+/-1.760 χ²/NDF: 124027.7/35
In: 10475.834+/-1.473 χ²/NDF:503085.8/38
Out: 10488.431+/-1.429 χ²/NDF:678000.4/44
All: 10482.324+/-1.026 χ²/NDF: 1181123.9/8

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

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

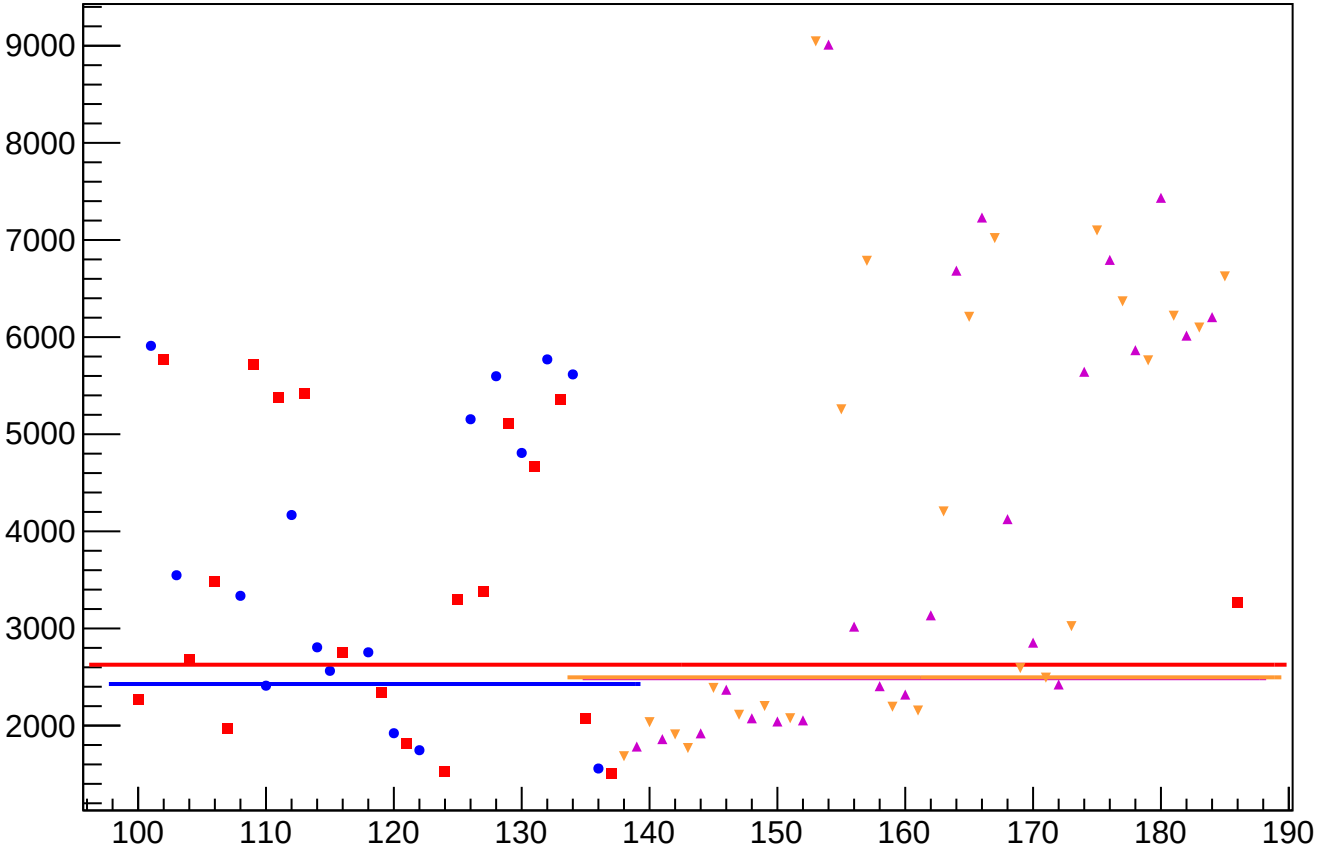
Right: -3.118+/-0.741 χ^2/NDF: 1001.7/35

In: -9.030+/-0.558 χ^2/NDF:945.5/38

Out: 3.488+/-0.555 χ^2/NDF:828.7/44

All: -2.732+/-0.394 χ^2/NDF: 2027.0/83

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

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

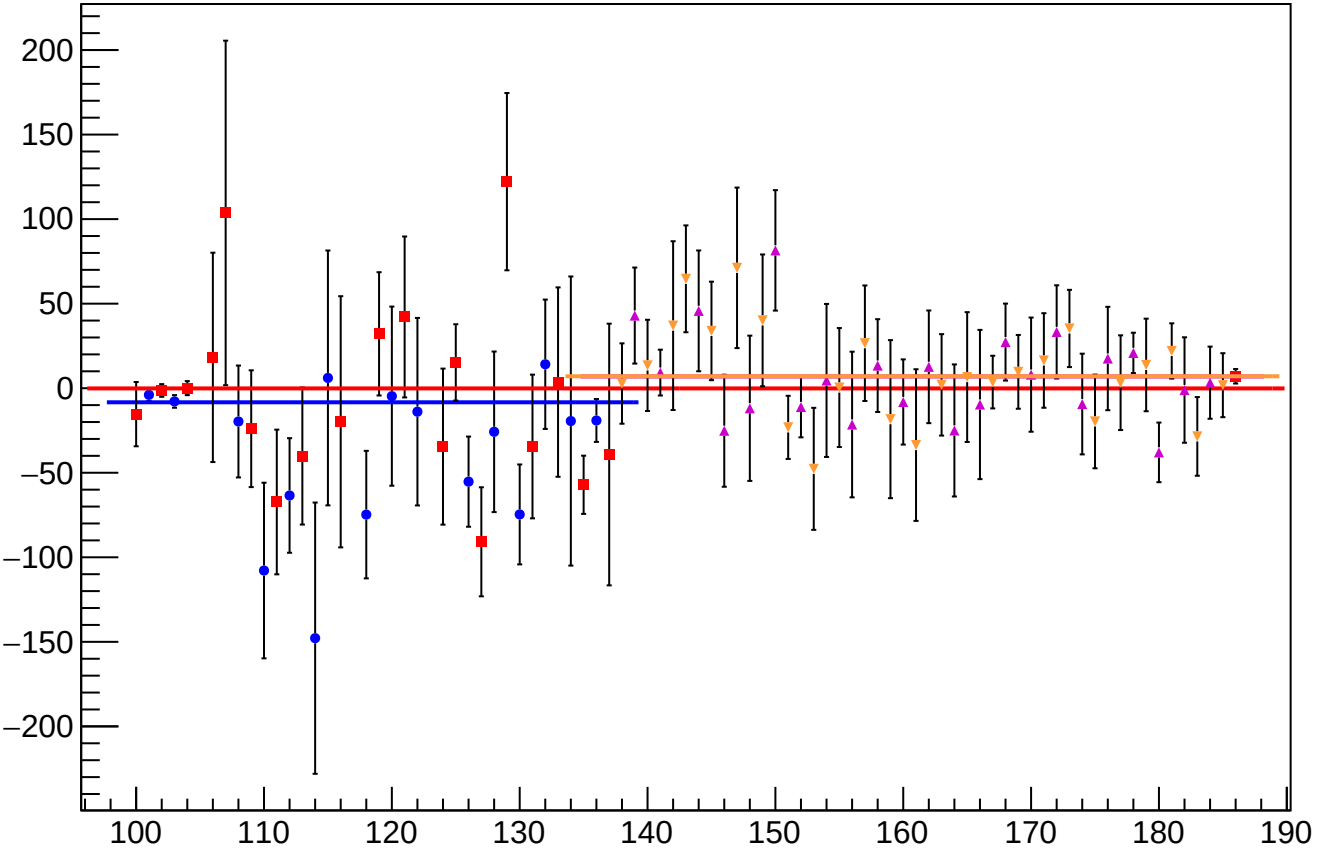
Right: 2526.939+/-0.524 χ^2/NDF: 5399082.8/35

In: 2470.703+/-0.395 χ^2/NDF:8923454.3/38

Out: 2533.075+/-0.392 χ^2/NDF:9775696.0/44

All: 2502.082+/-0.278 χ^2/NDF: 18711703.9/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

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

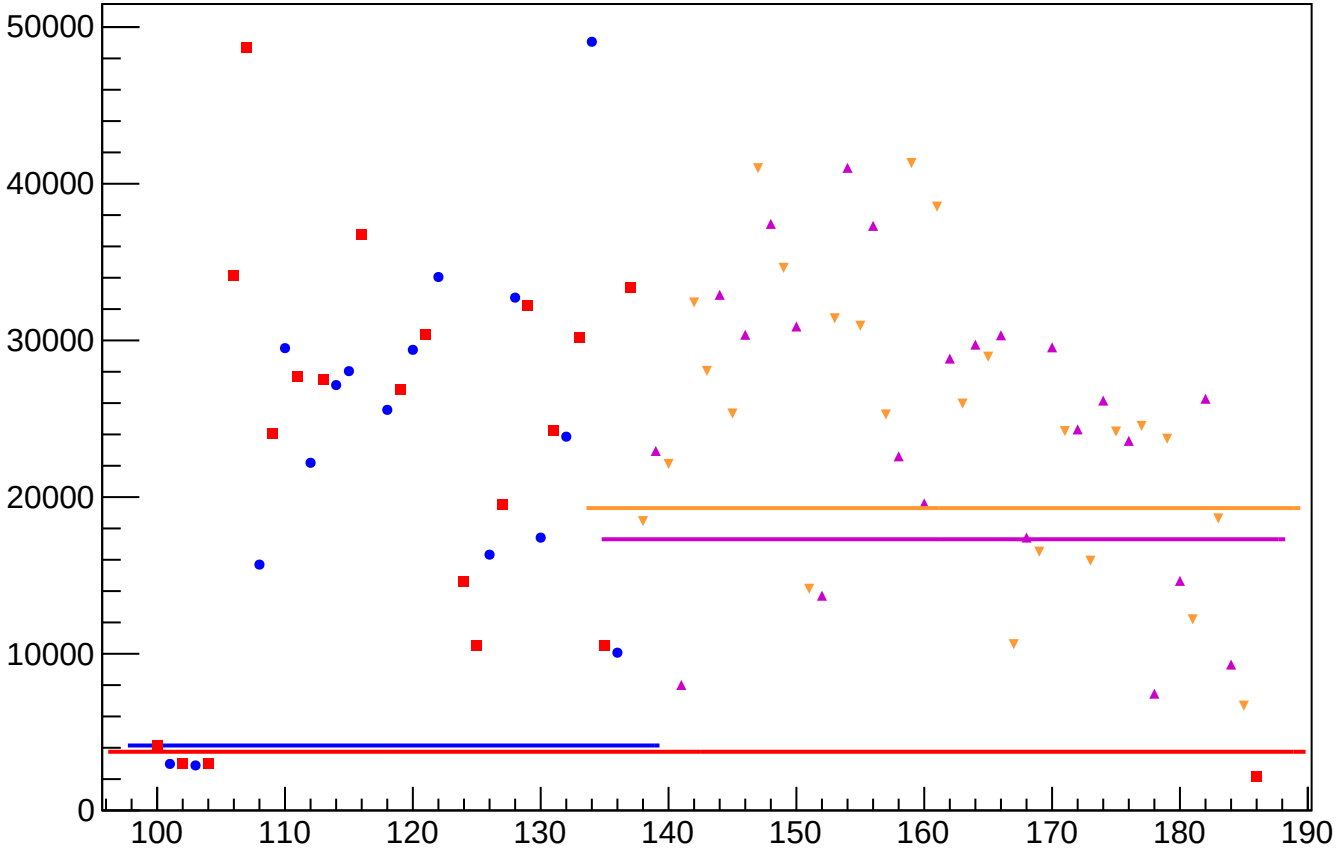
Right: -3.791+/-1.671 χ^2/NDF: 65.9/35

In: -5.365+/-2.244 χ^2/NDF:51.8/38

Out: 0.999+/-2.064 χ^2/NDF:57.7/44

All: -1.919+/-1.519 χ^2/NDF: 113.8/83

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

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

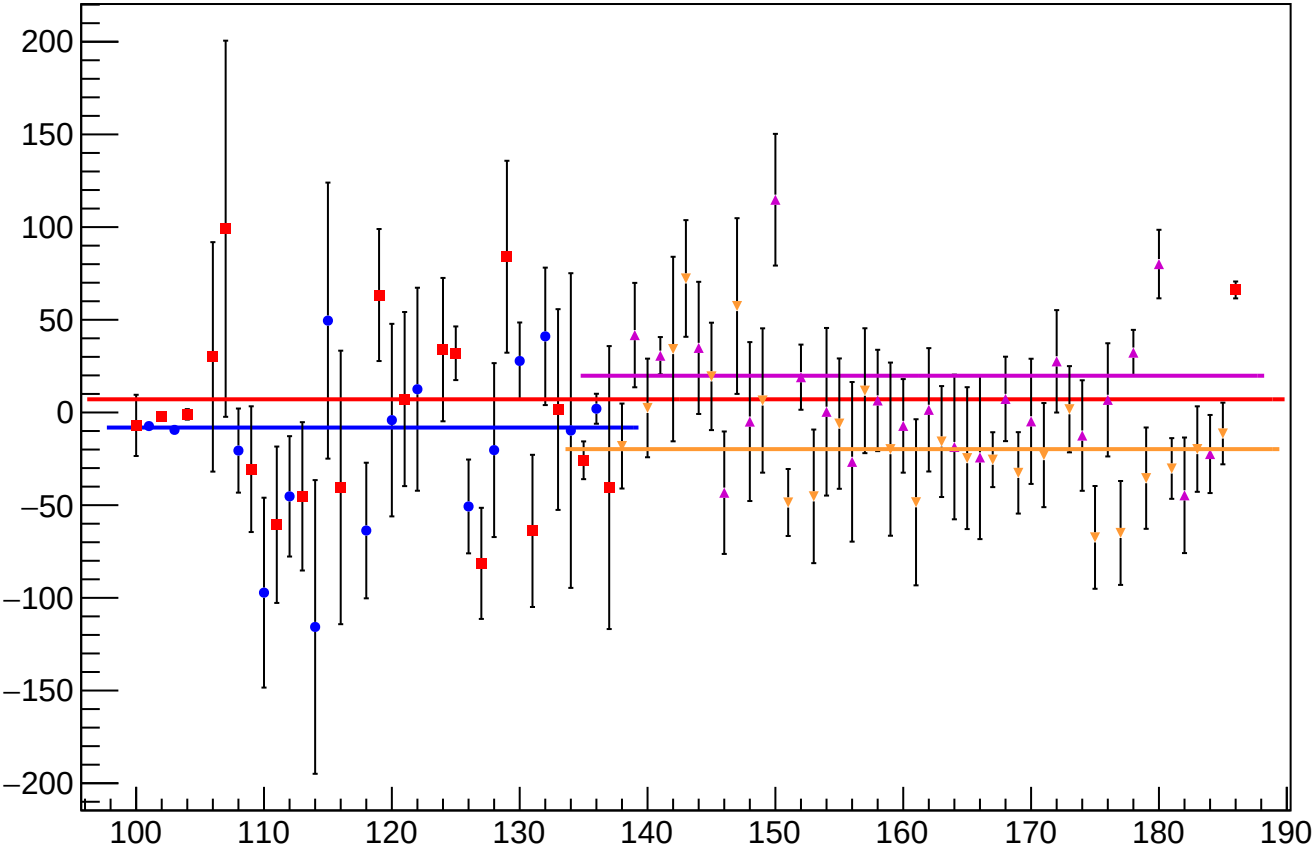
Right: 3924.222+/-1.182 χ^2/NDF: 14877225.1/35

In: 6702.680+/-1.586 χ^2/NDF:24332594.8/38

Out: 6170.865+/-1.460 χ^2/NDF:27994207.1/44

All: 6414.695+/-1.074 χ^2/NDF: 52387656.6/8

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

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

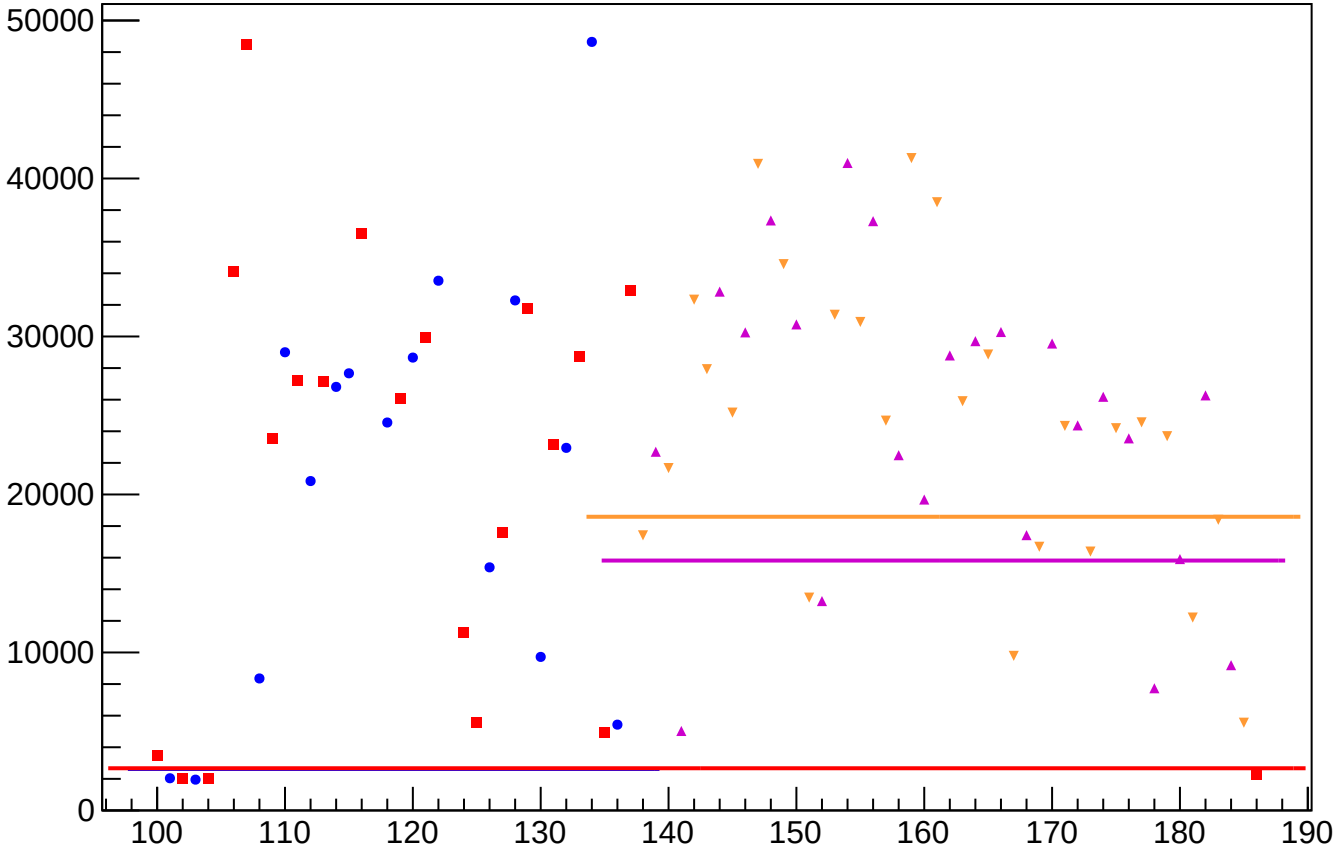
Right: -0.381+/-1.206 χ^2/NDF: 286.7/35

In: -5.003+/-1.621 χ^2/NDF:88.9/38

Out: 4.463+/-1.606 χ^2/NDF:280.3/44

All: -0.225+/-1.141 χ^2/NDF: 386.5/83

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

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

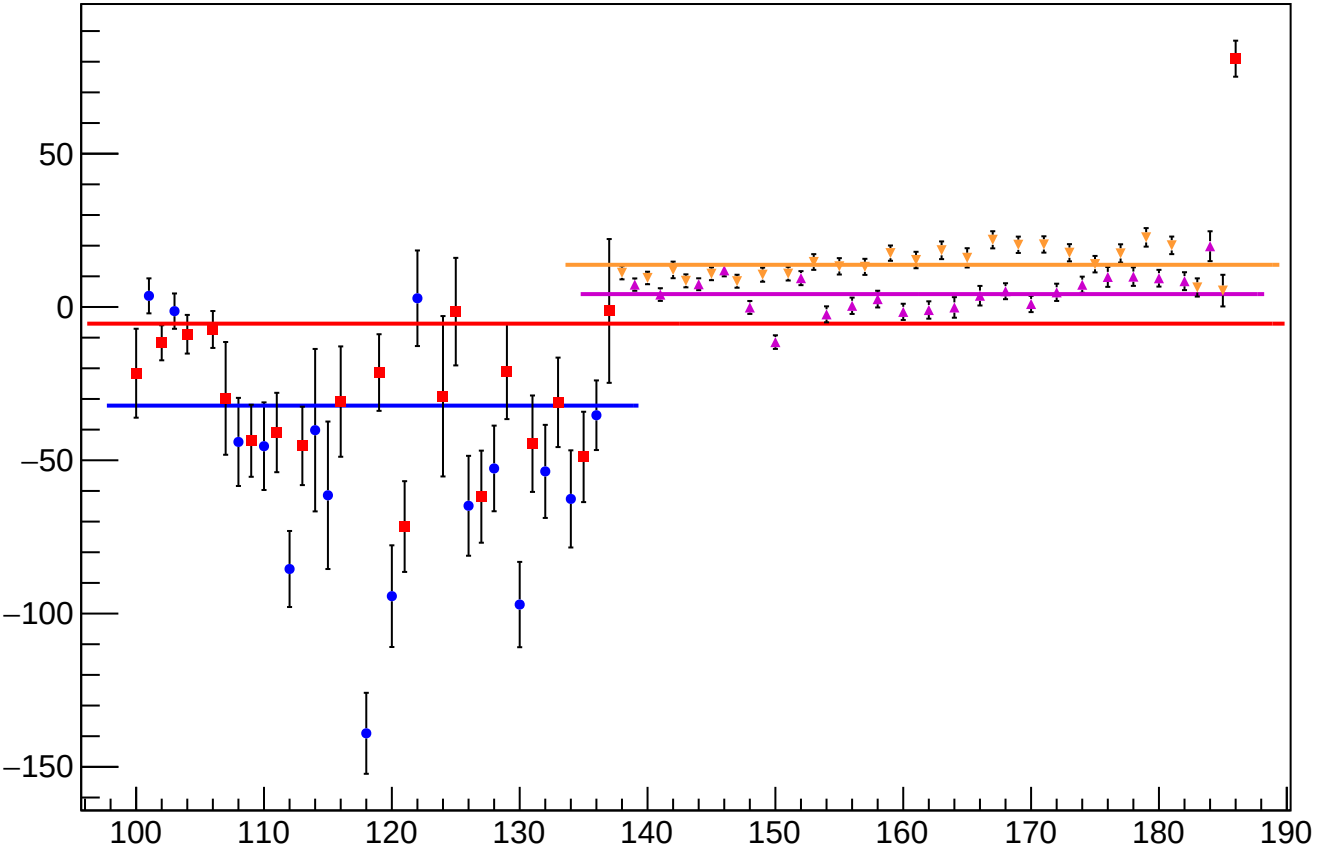
Right: 2648.964+/-0.853 χ^2/NDF: 14783011.9/35

In: 4103.115+/-1.146 χ^2/NDF:28350540.0/38

Out: 4238.845+/-1.136 χ^2/NDF:31150606.8/44

All: 4171.624+/-0.807 χ^2/NDF: 59508222.2/8

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

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

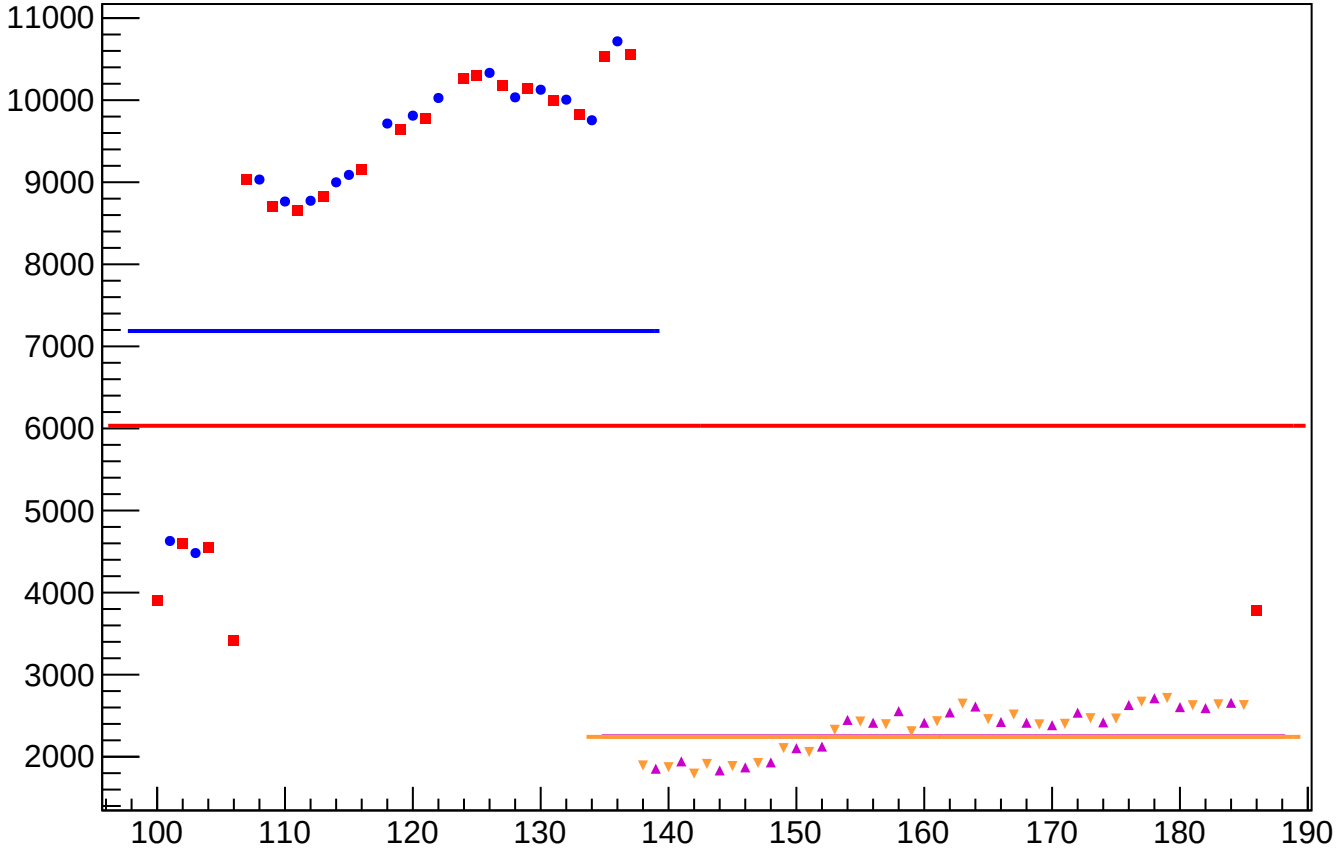
Right: -16.265+/-1.809 χ^2/NDF: 566.7/35

In: 2.979+/-0.521 χ^2/NDF:490.0/38

Out: 12.881+/-0.502 χ^2/NDF:447.5/44

All: 8.114+/-0.362 χ^2/NDF: 1124.7/83

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

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

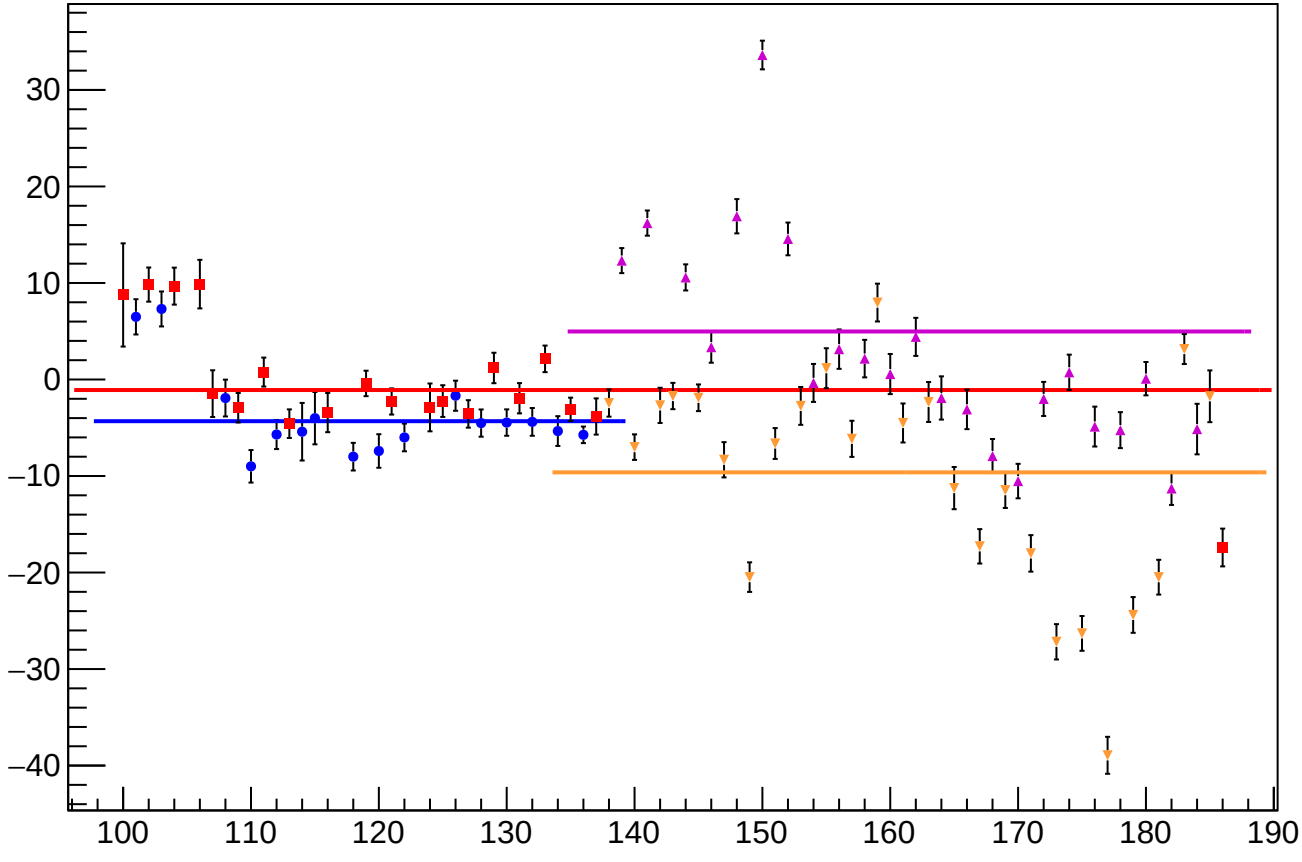
Right: 6500.524+/-1.279 χ^2/NDF: 4528135.2/35

In: 2414.638+/-0.368 χ^2/NDF:8186023.6/38

Out: 2416.109+/-0.355 χ^2/NDF:8269898.8/44

All: 2415.401+/-0.256 χ^2/NDF: 16455930.7/8

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

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

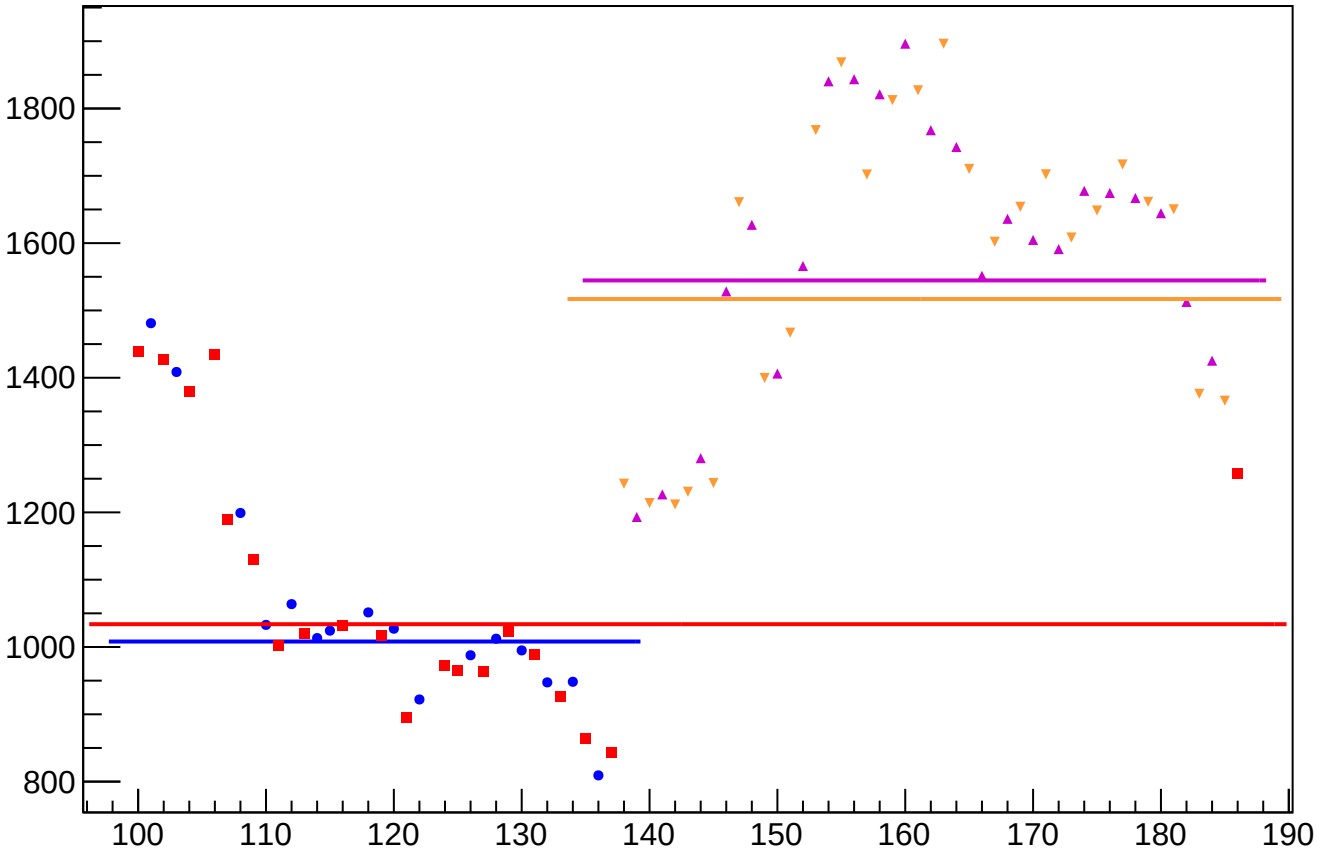
Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

Right: -2.671+/-0.266 χ^2/NDF: 329.8/35

In: 0.516+/-0.263 χ^2/NDF:1345.1/38

Out: -5.625+/-0.254 χ^2/NDF:1403.4/44

All: -2.655+/-0.183 χ^2/NDF: 3030.0/83



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

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

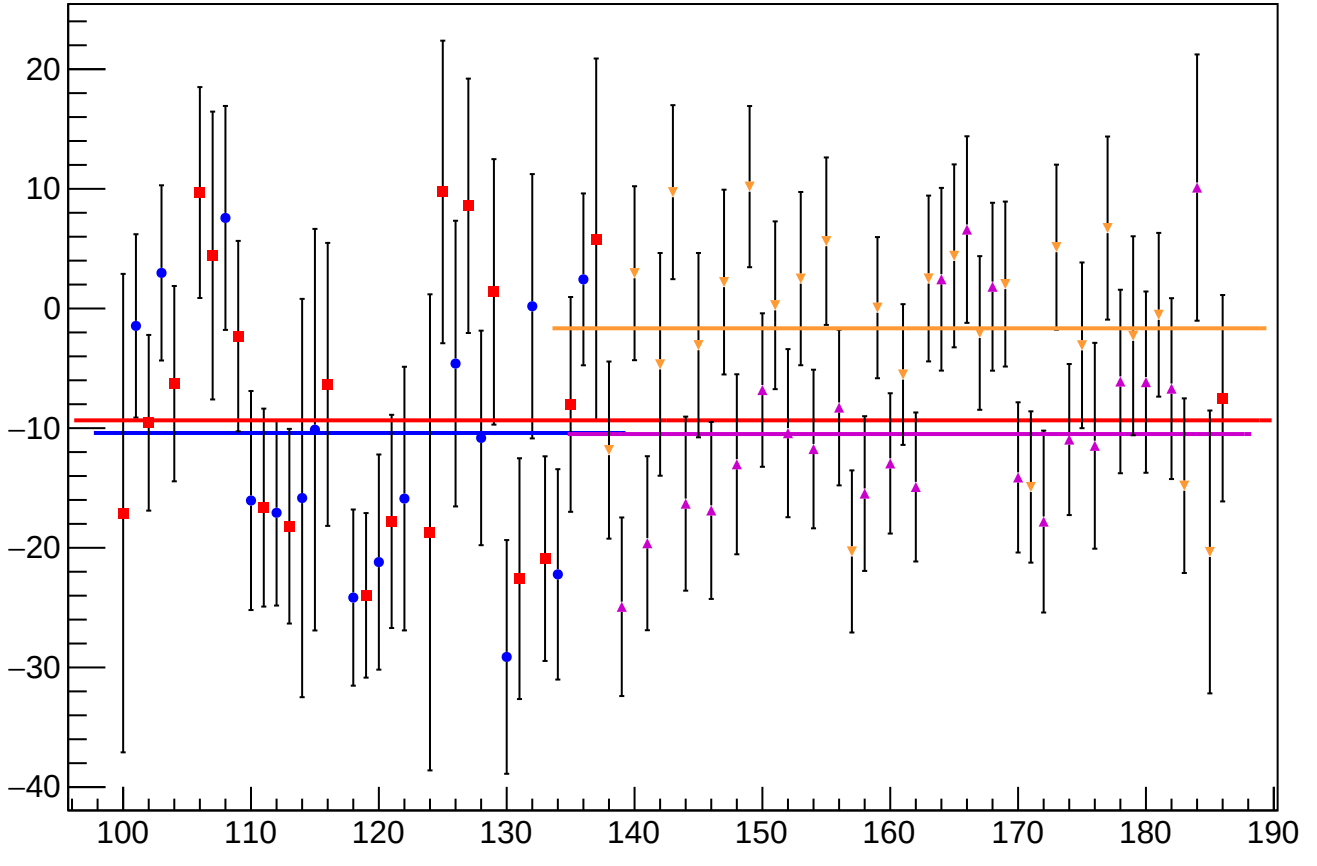
Right: 1021.269+/-0.188 χ^2/NDF: 756737.0/35

In: 1287.268+/-0.186 χ^2/NDF:3094628.9/38

Out: 1290.614+/-0.180 χ^2/NDF:3001143.0/44

All: 1288.996+/-0.129 χ^2/NDF: 6095939.1/83

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

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

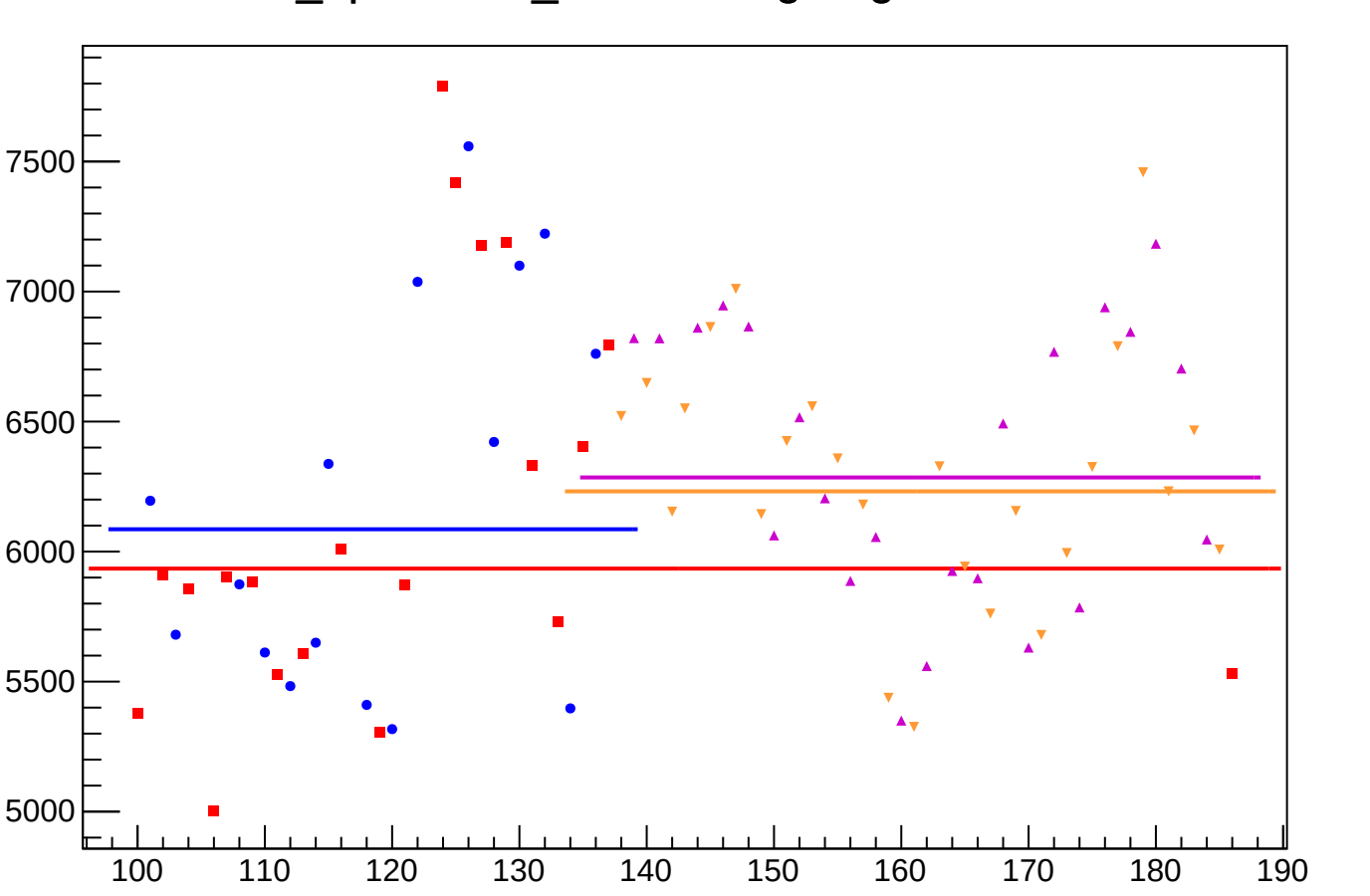
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -9.838+/-1.554 χ^2/NDF: 50.1/35

In: -10.466+/-1.241 χ^2/NDF:49.6/38

Out: -4.047+/-1.184 χ^2/NDF:65.9/44

All: -7.105+/-0.857 χ^2/NDF: 129.5/83



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

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

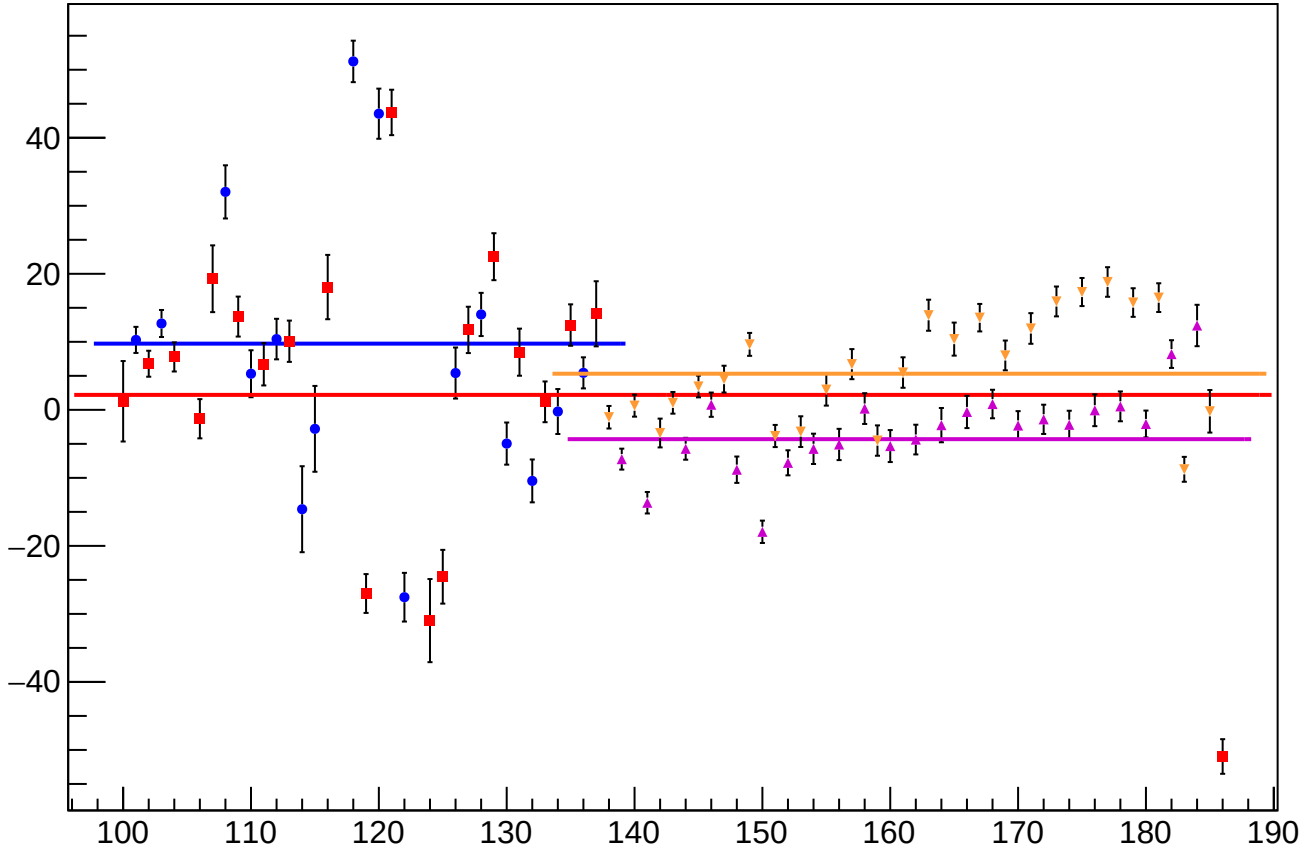
Right: 6004.867+/-1.099 χ^2/NDF: 351256.4/35

In: 6226.026+/-0.878 χ^2/NDF:455229.2/38

Out: 6139.246+/-0.837 χ^2/NDF:421338.0/44

All: 6180.589+/-0.606 χ^2/NDF: 881685.8/83

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

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

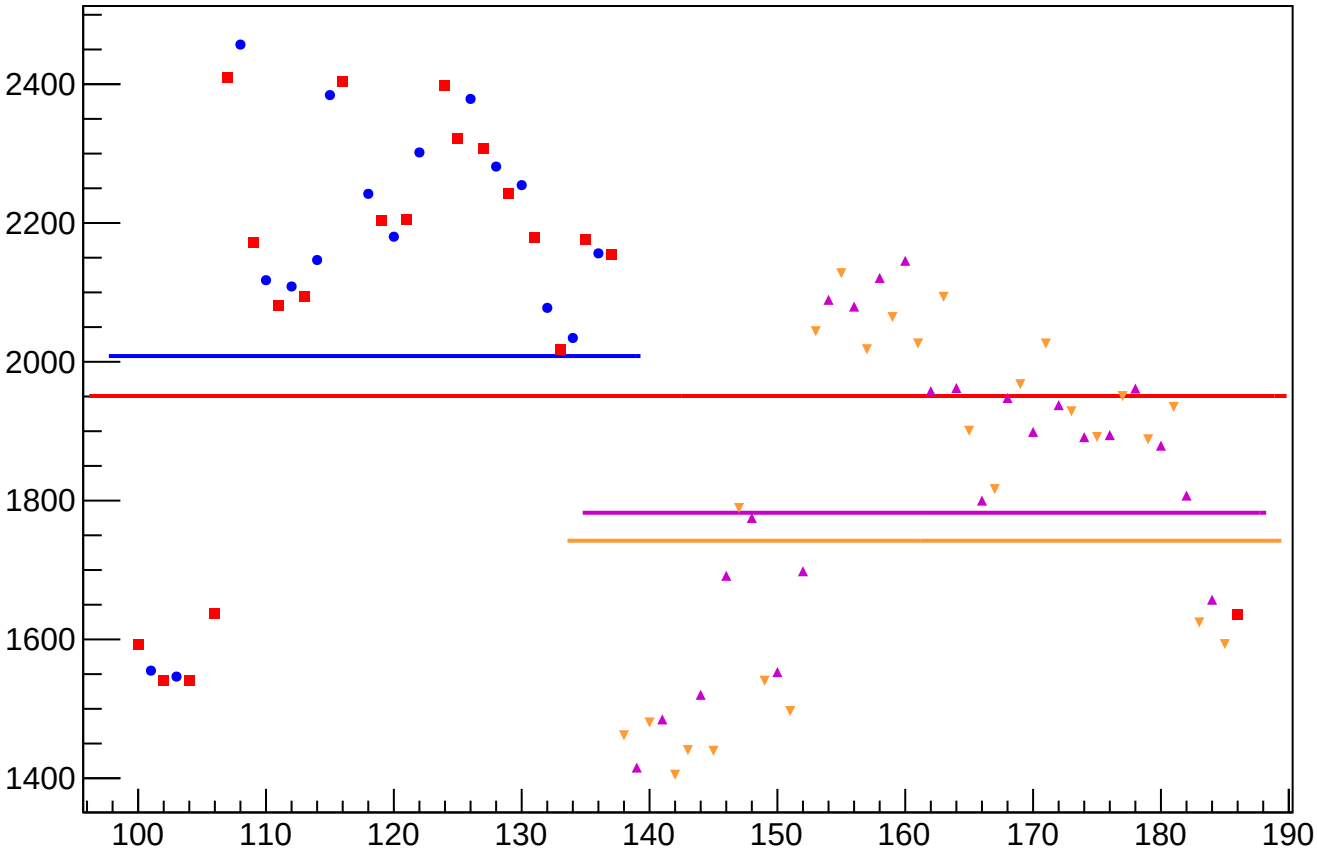
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 5.692+/-0.514 χ^2/NDF: 1461.8/35

In: -0.990+/-0.367 χ^2/NDF:997.0/38

Out: 4.548+/-0.348 χ^2/NDF:1289.0/44

All: 1.929+/-0.252 χ^2/NDF: 2405.9/83



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

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

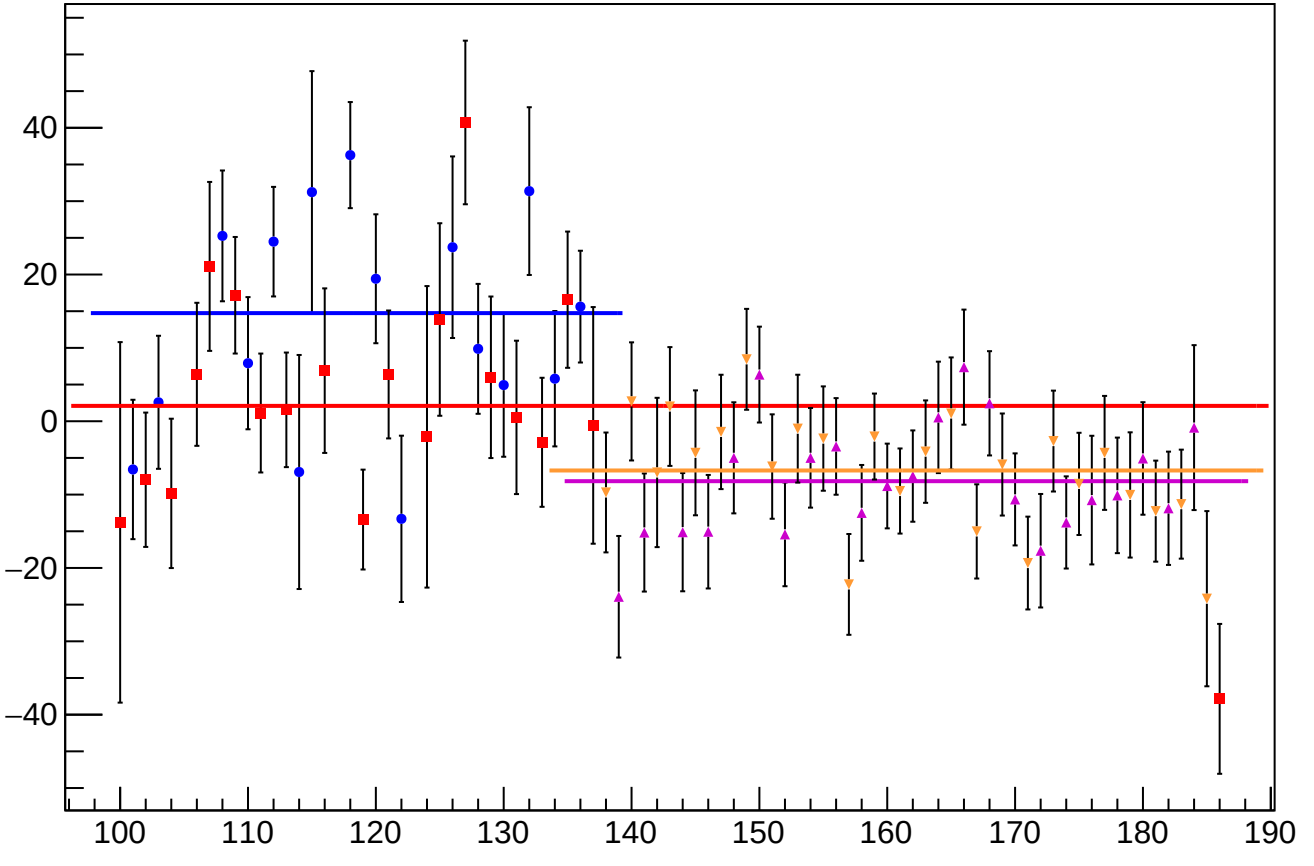
Right: 1977.432+/-0.364 χ^2/NDF: 749135.2/35

In: 1835.888+/-0.260 χ^2/NDF:1015375.4/38

Out: 1793.395+/-0.246 χ^2/NDF:1299344.0/44

All: 1813.494+/-0.179 χ^2/NDF: 2328843.1/83

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

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

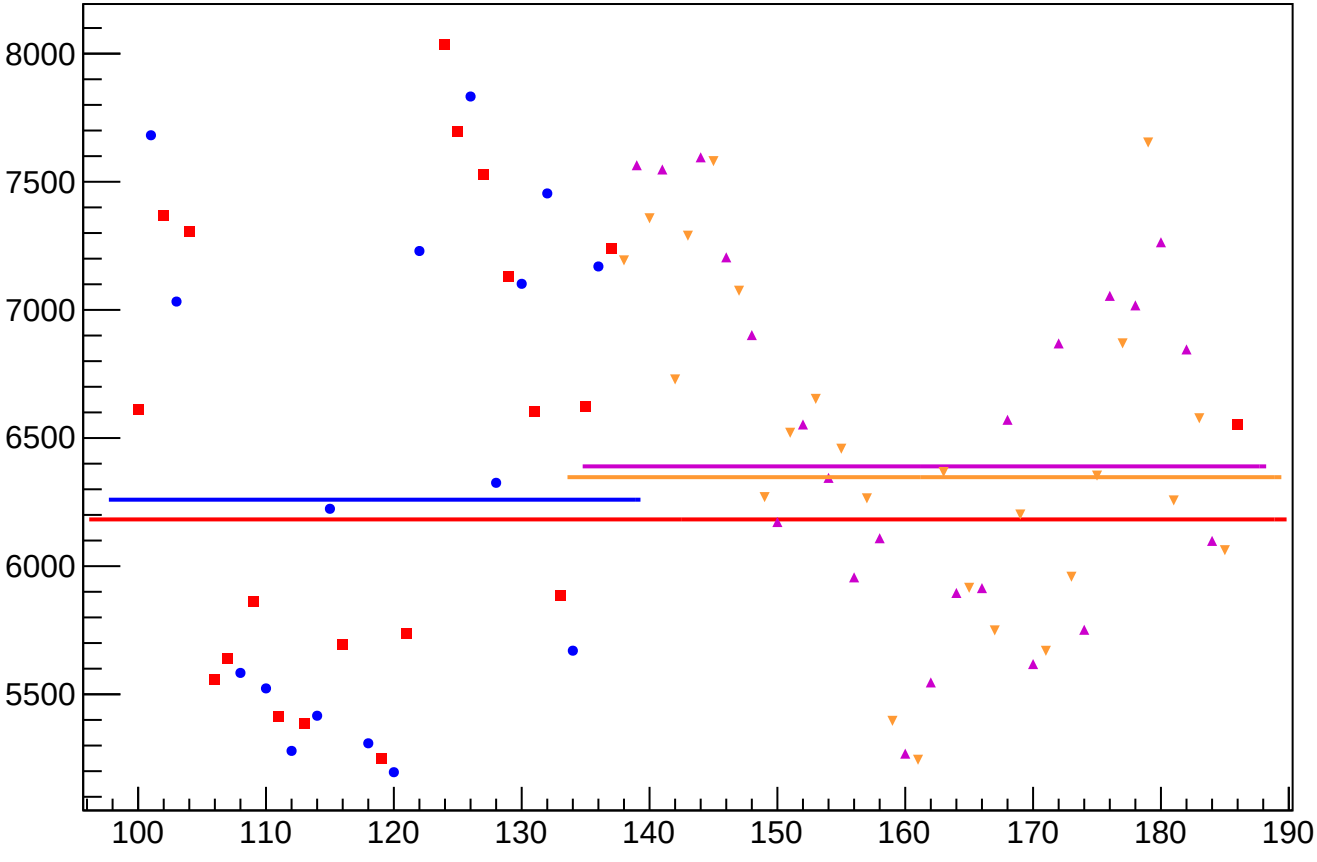
Right: 8.035+/-1.616 χ^2/NDF: 95.0/35

In: -1.507+/-1.272 χ^2/NDF:124.7/38

Out: -4.059+/-1.218 χ^2/NDF:82.9/44

All: -2.837+/-0.880 χ^2/NDF: 209.6/83

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

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

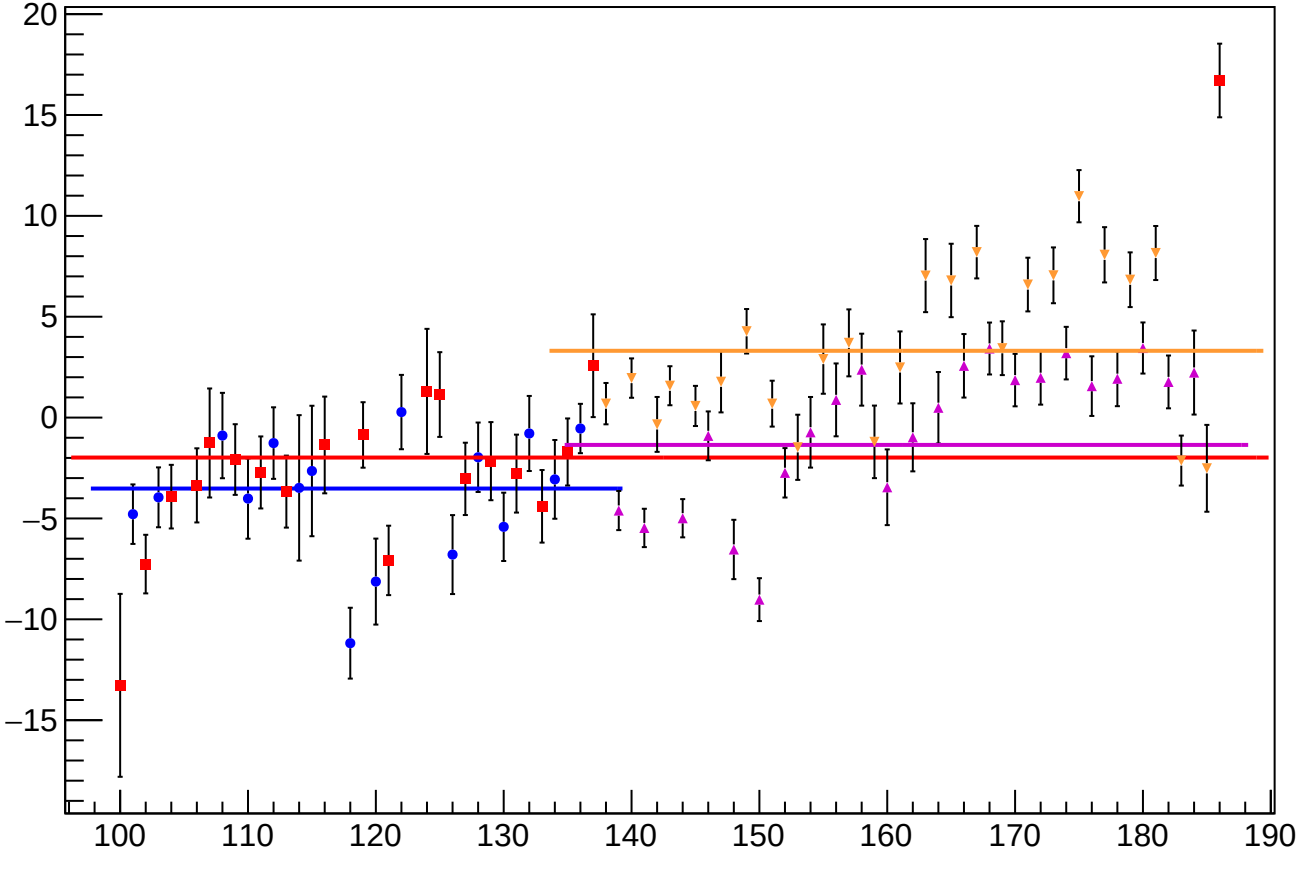
Right: 6218.603+/-1.143 χ^2/NDF: 577538.9/35

In: 6351.609+/-0.899 χ^2/NDF:732675.9/38

Out: 6297.603+/-0.862 χ^2/NDF:661535.7/44

All: 6323.455+/-0.622 χ^2/NDF: 1396092.5/83

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

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

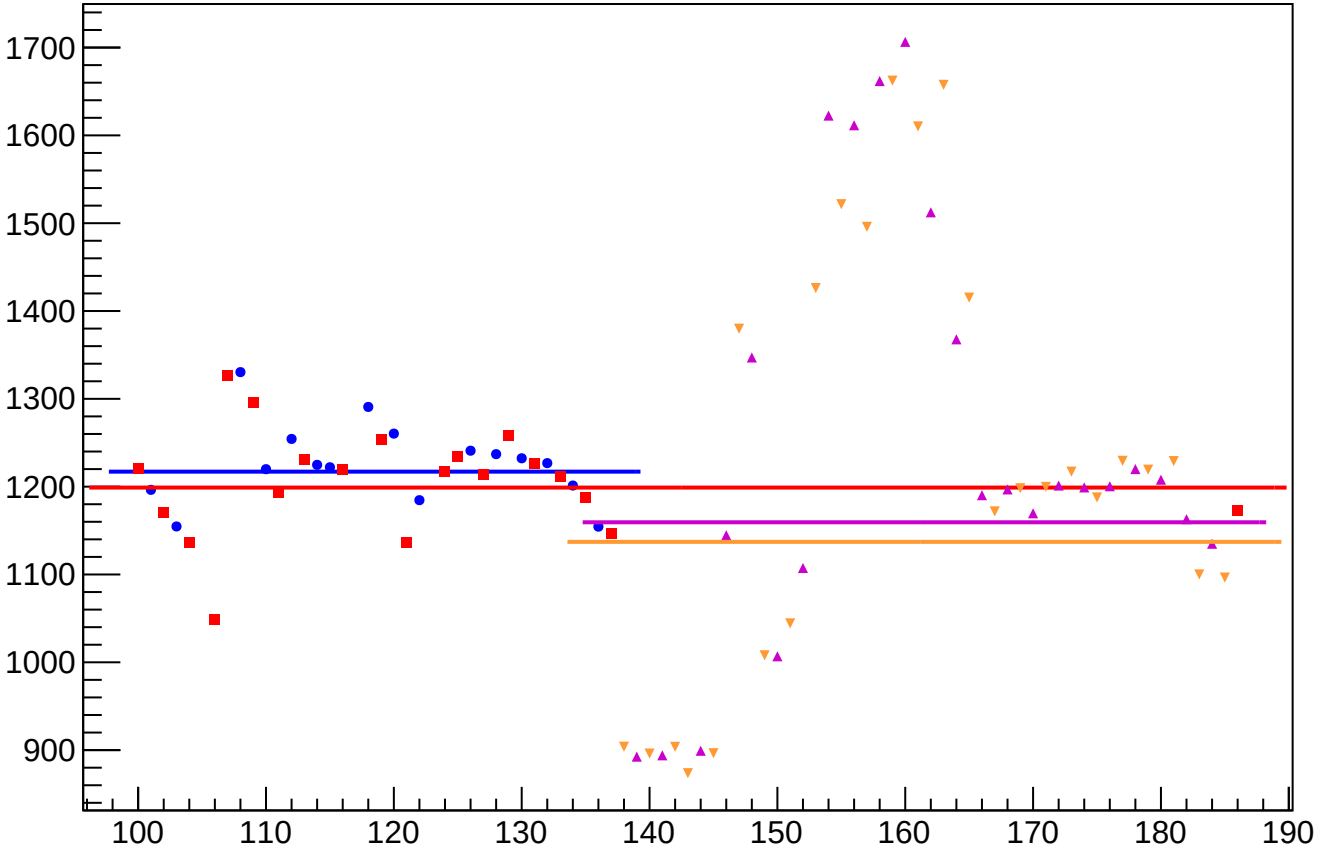
Right: -2.704+/-0.310 χ^2/NDF: 196.9/35

In: -1.944+/-0.236 χ^2/NDF:258.0/38

Out: 1.840+/-0.225 χ^2/NDF:435.0/44

All: 0.041+/-0.163 χ^2/NDF: 827.8/83

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

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

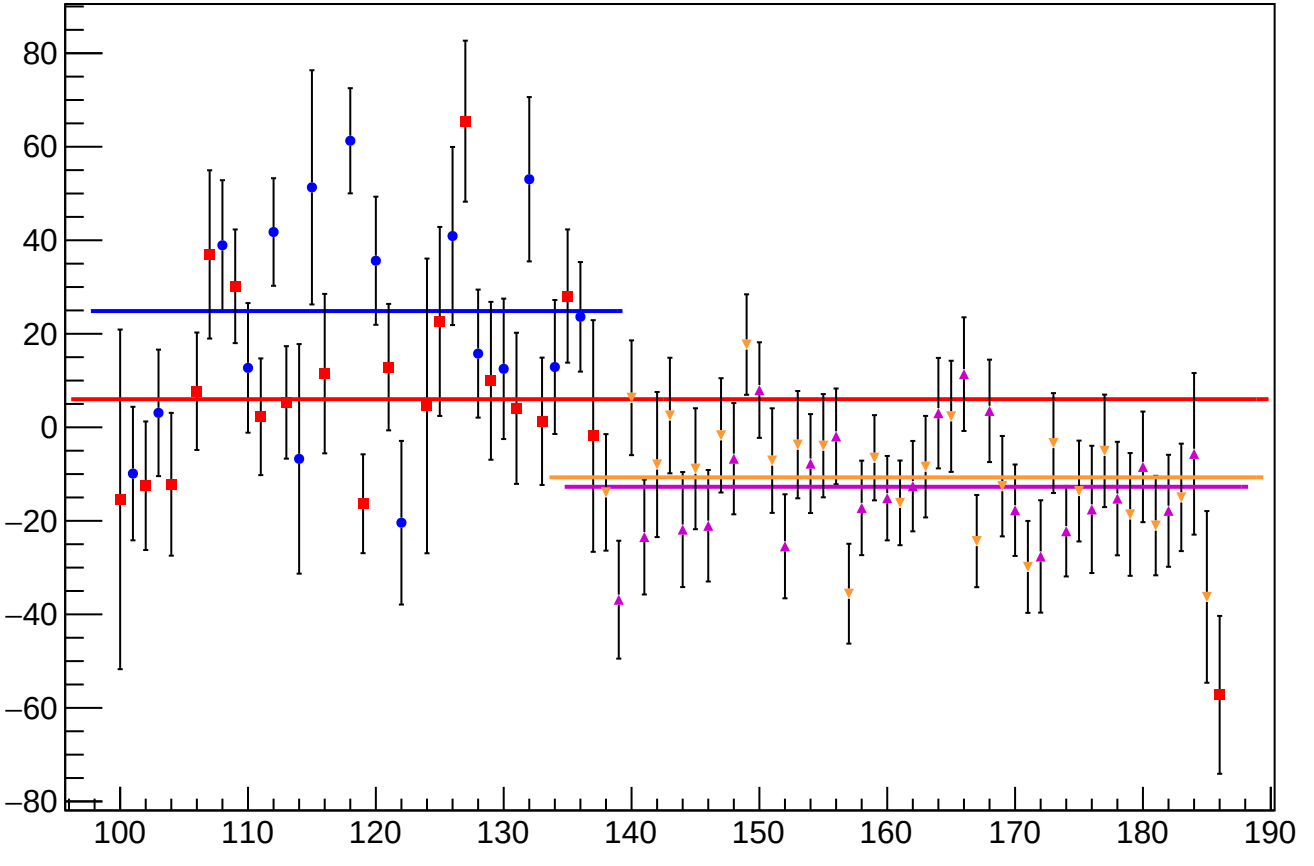
Right: 1207.490+/-0.219 χ^2/NDF: 61490.5/35

In: 1175.127+/-0.167 χ^2/NDF:1305126.8/38

Out: 1154.331+/-0.159 χ^2/NDF:1538163.1/44

All: 1164.218+/-0.115 χ^2/NDF: 2851434.1/83

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

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

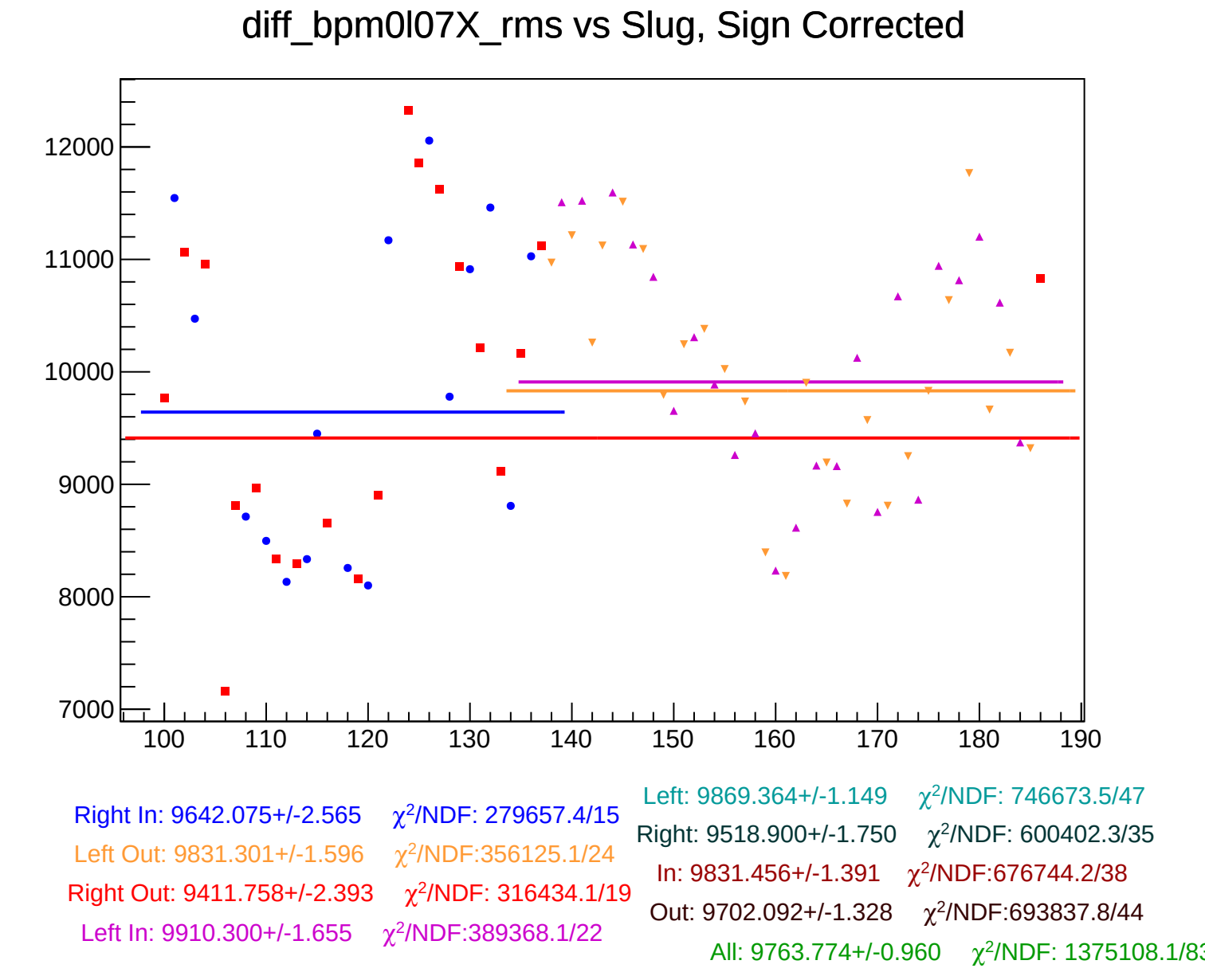
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: 14.780+/-2.474 χ^2/NDF: 97.3/35

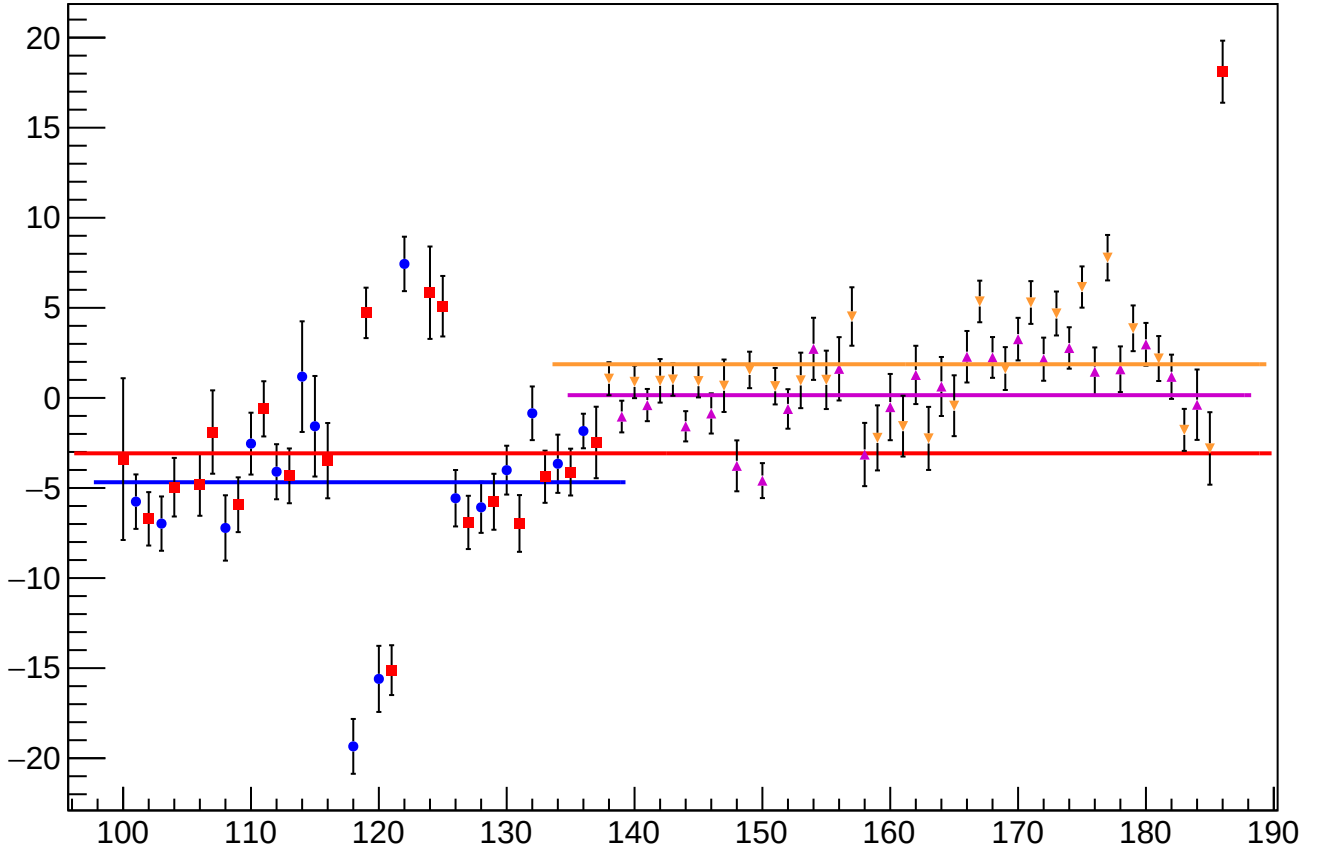
In: -1.673+/-1.967 χ^2/NDF:137.9/38

Out: -5.551+/-1.878 χ^2/NDF:90.3/44

All: -3.702+/-1.358 χ^2/NDF: 230.3/83


diff_bpm0l07X_rms vs Slug, Sign Corrected
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
180
190
Right In: 9642.075+/-2.565 χ²/NDF: 279657.4/15
Left Out: 9831.301+/-1.596 χ²/NDF:356125.1/24
Right Out: 9411.758+/-2.393 χ²/NDF: 316434.1/19
Left In: 9910.300+/-1.655 χ²/NDF:389368.1/22
Left: 9869.364+/-1.149 χ²/NDF: 746673.5/47
Right: 9518.900+/-1.750 χ²/NDF: 600402.3/35
In: 9831.456+/-1.391 χ²/NDF:676744.2/38
Out: 9702.092+/-1.328 χ²/NDF:693837.8/44
All: 9763.774+/-0.960 χ²/NDF: 1375108.1/83

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

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

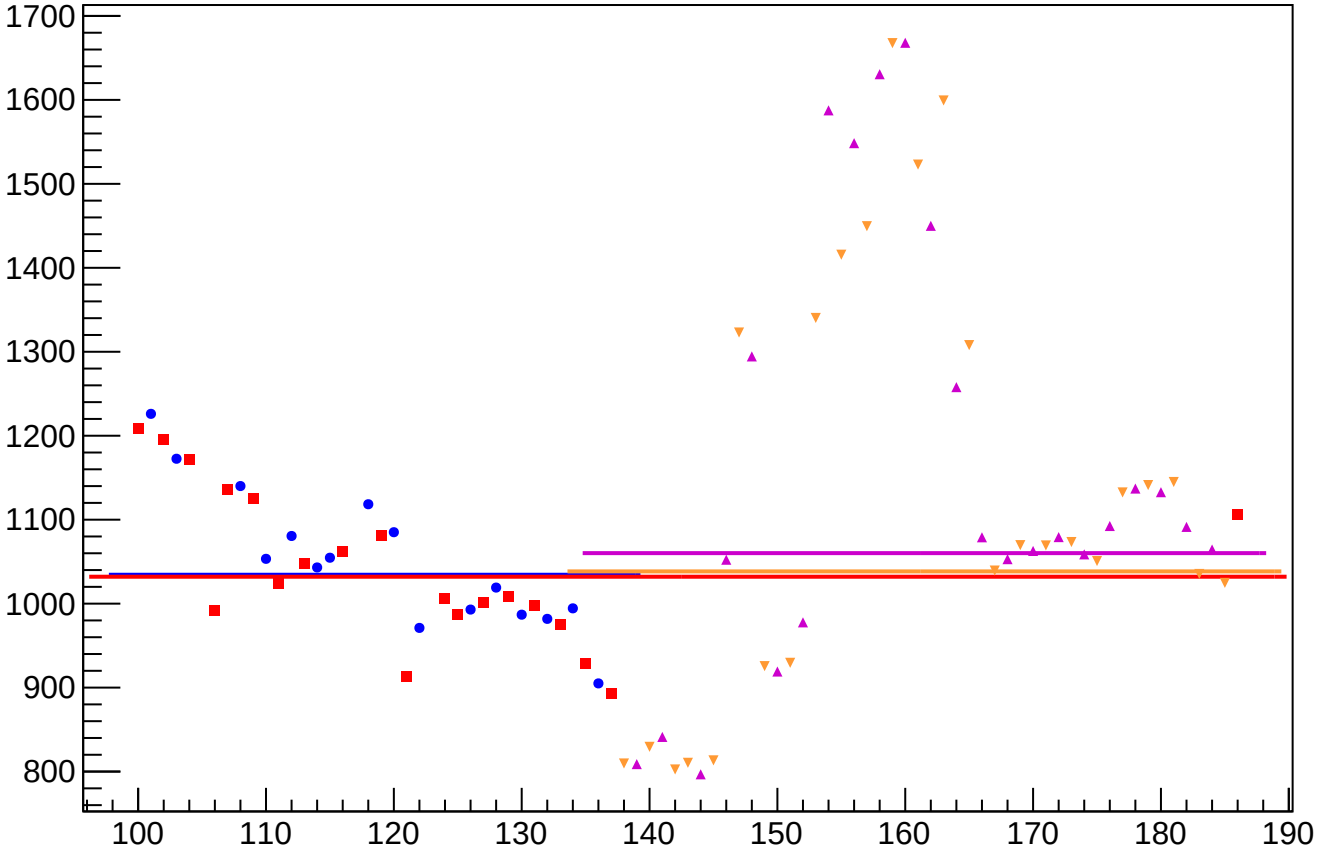
Right: -3.840+/-0.266 χ^2/NDF: 556.8/35

In: -1.313+/-0.212 χ^2/NDF:406.2/38

Out: 0.369+/-0.203 χ^2/NDF:555.7/44

All: -0.432+/-0.147 χ^2/NDF: 994.7/83

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

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

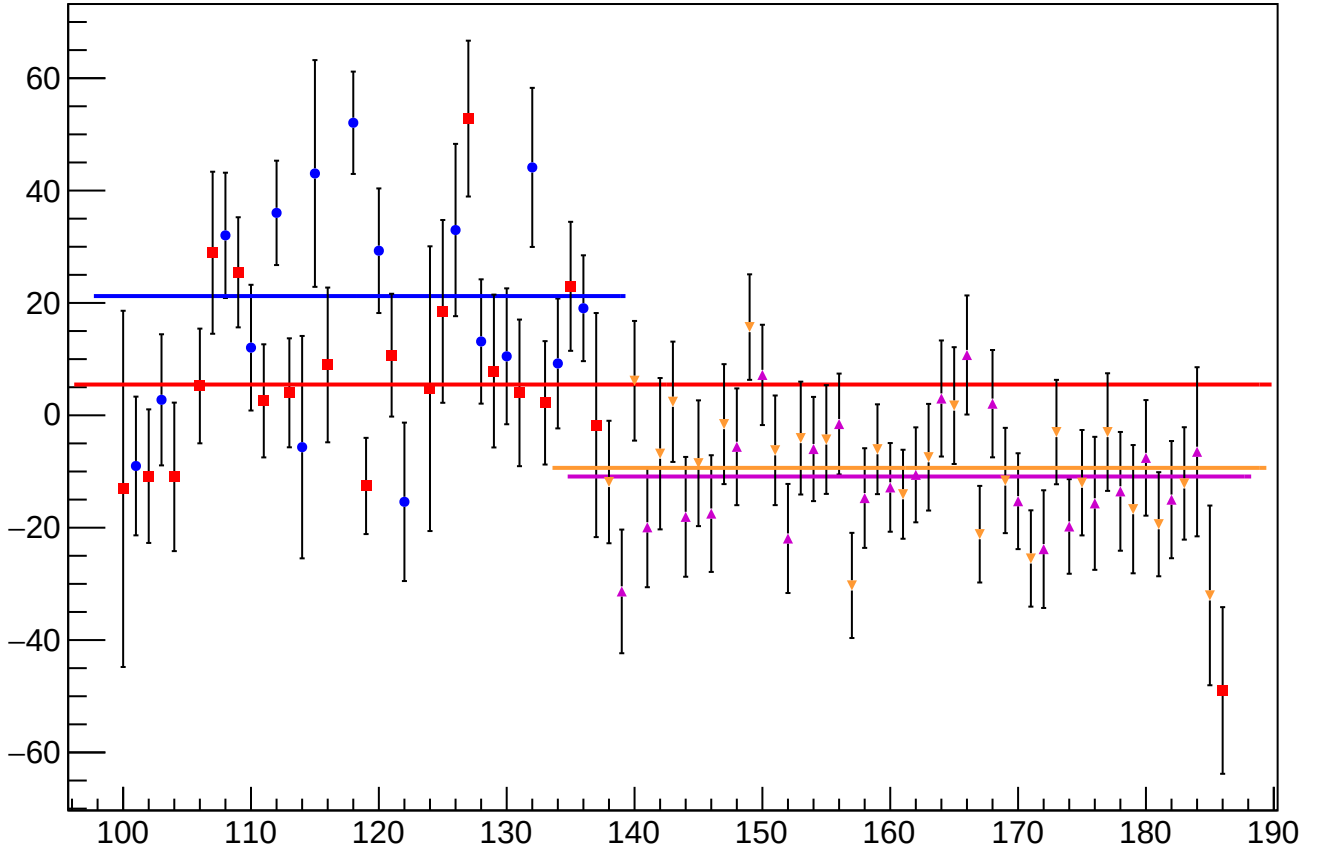
Right: 1033.178+/-0.188 χ^2/NDF: 218877.4/35

In: 1052.352+/-0.150 χ^2/NDF:1642712.1/38

Out: 1036.482+/-0.143 χ^2/NDF:1812657.4/44

All: 1044.039+/-0.104 χ^2/NDF: 3461216.5/83

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

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

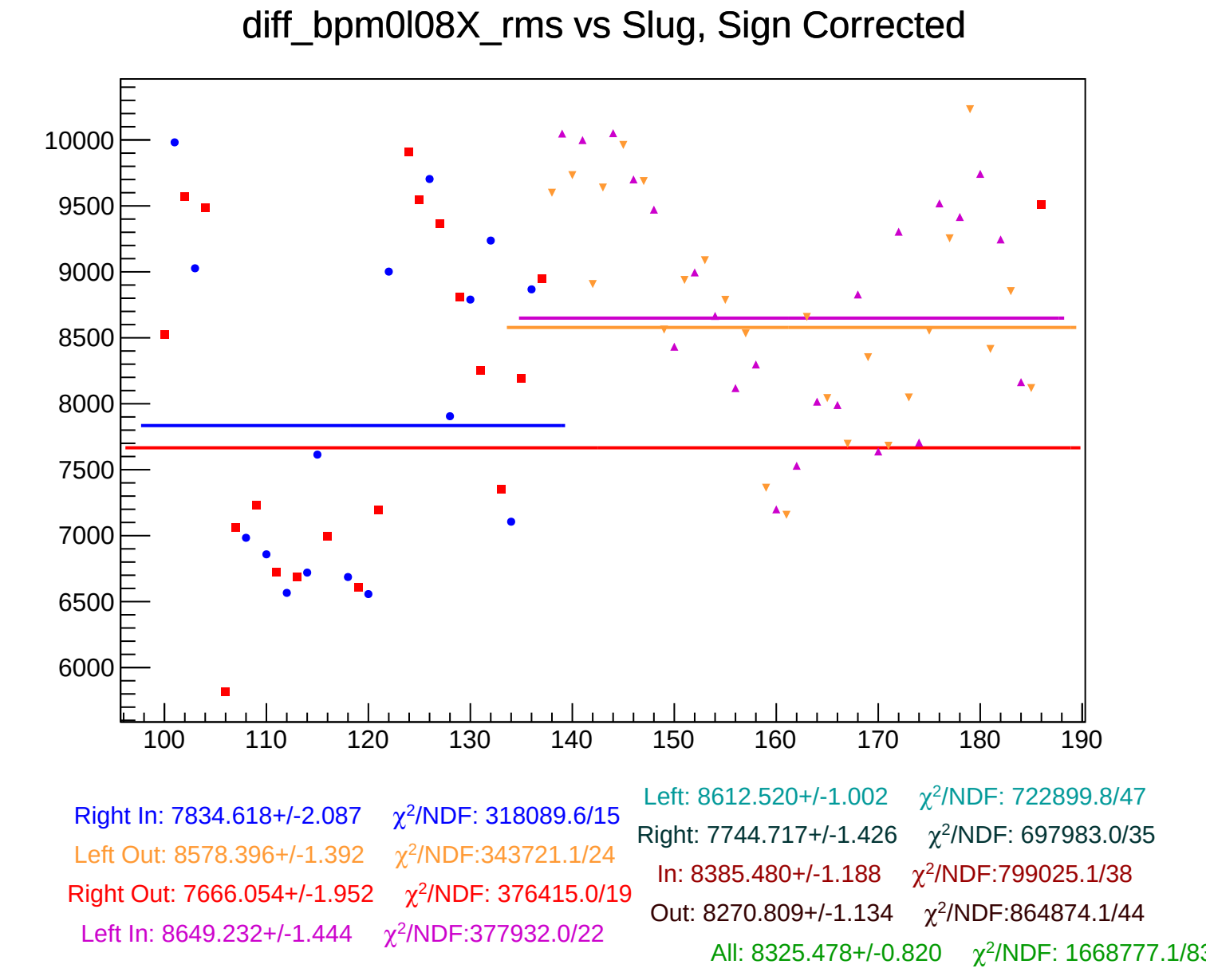
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

Right: 12.826+/-2.016 χ^2/NDF: 99.0/35

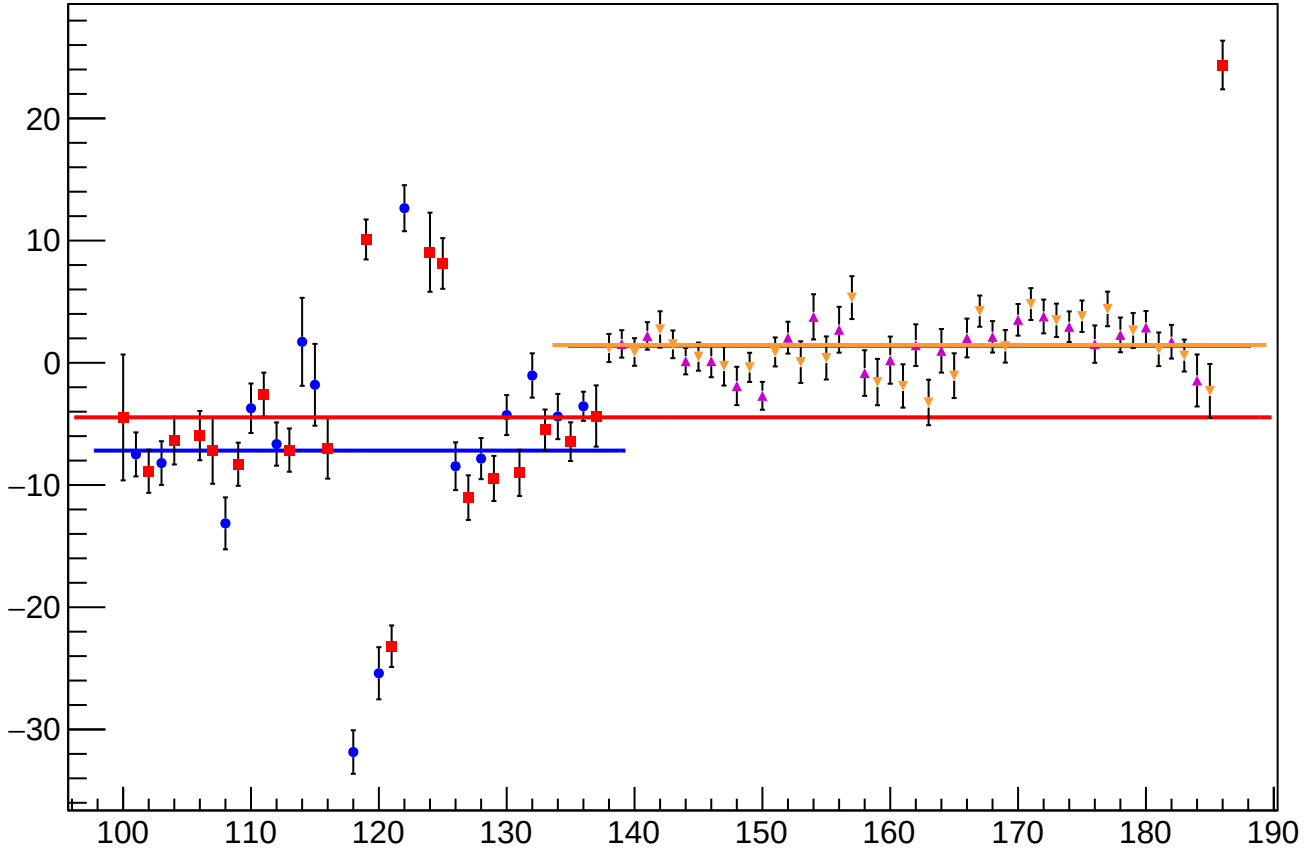
In: -0.494+/-1.680 χ^2/NDF:143.7/38

Out: -4.354+/-1.603 χ^2/NDF:91.4/44

All: -2.514+/-1.160 χ^2/NDF: 237.9/83


diff_bpm0l08X_rms vs Slug, Sign Corrected
10000
9500
9000
8500
8000
7500
7000
6500
6000
100
110
120
130
140
150
160
170
180
190
Right In: 7834.618+/-2.087 χ²/NDF: 318089.6/15
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 7666.054+/-1.952 χ²/NDF: 376415.0/19
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
Left: 8612.520+/-1.002 χ²/NDF: 722899.8/47
Right: 7744.717+/-1.426 χ²/NDF: 697983.0/35
In: 8385.480+/-1.188 χ²/NDF:799025.1/38
Out: 8270.809+/-1.134 χ²/NDF:864874.1/44
All: 8325.478+/-0.820 χ²/NDF: 1668777.1/83

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

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

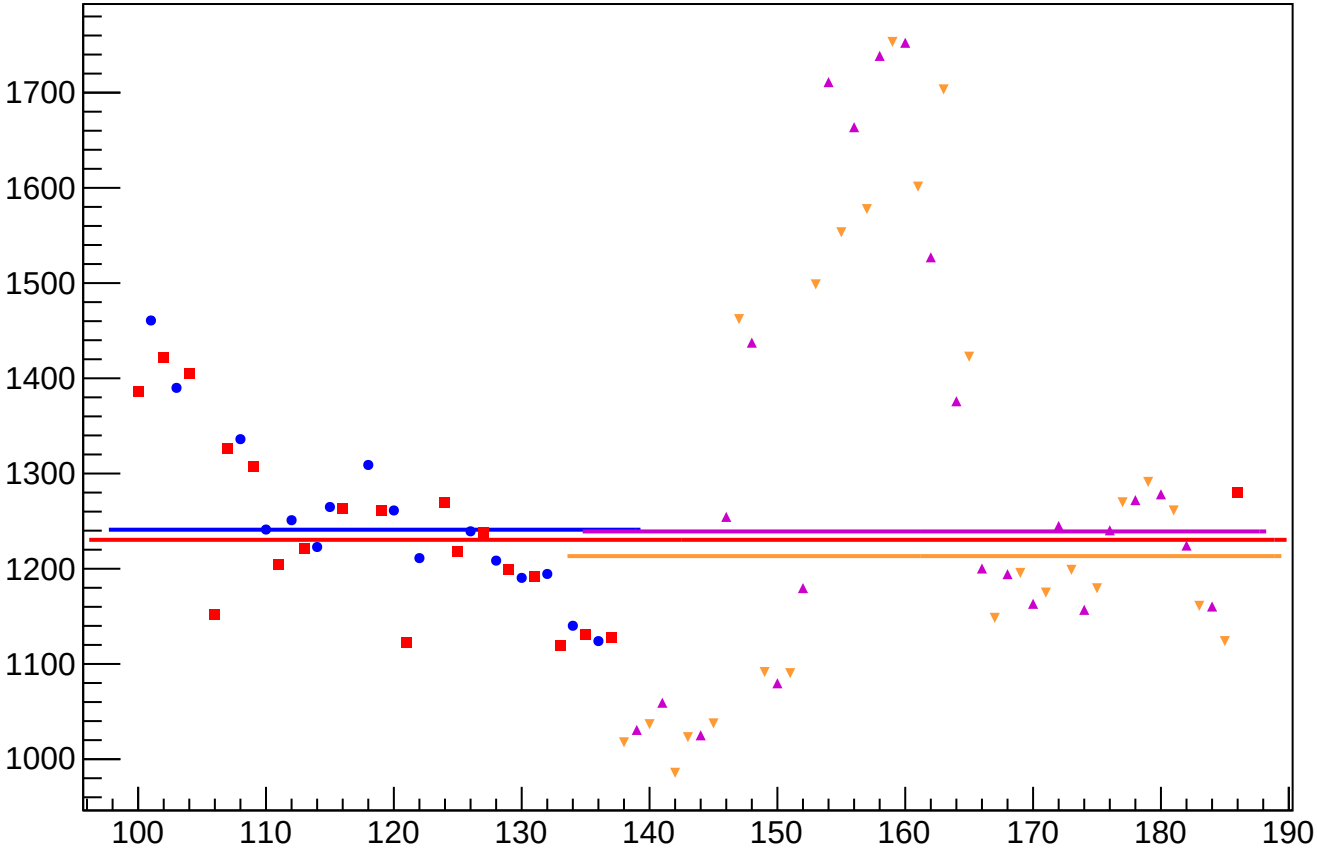
Right: -5.749+/-0.318 χ^2/NDF: 951.1/35

In: -1.082+/-0.248 χ^2/NDF:702.5/38

Out: -0.261+/-0.236 χ^2/NDF:691.2/44

All: -0.651+/-0.171 χ^2/NDF: 1399.4/83

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

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

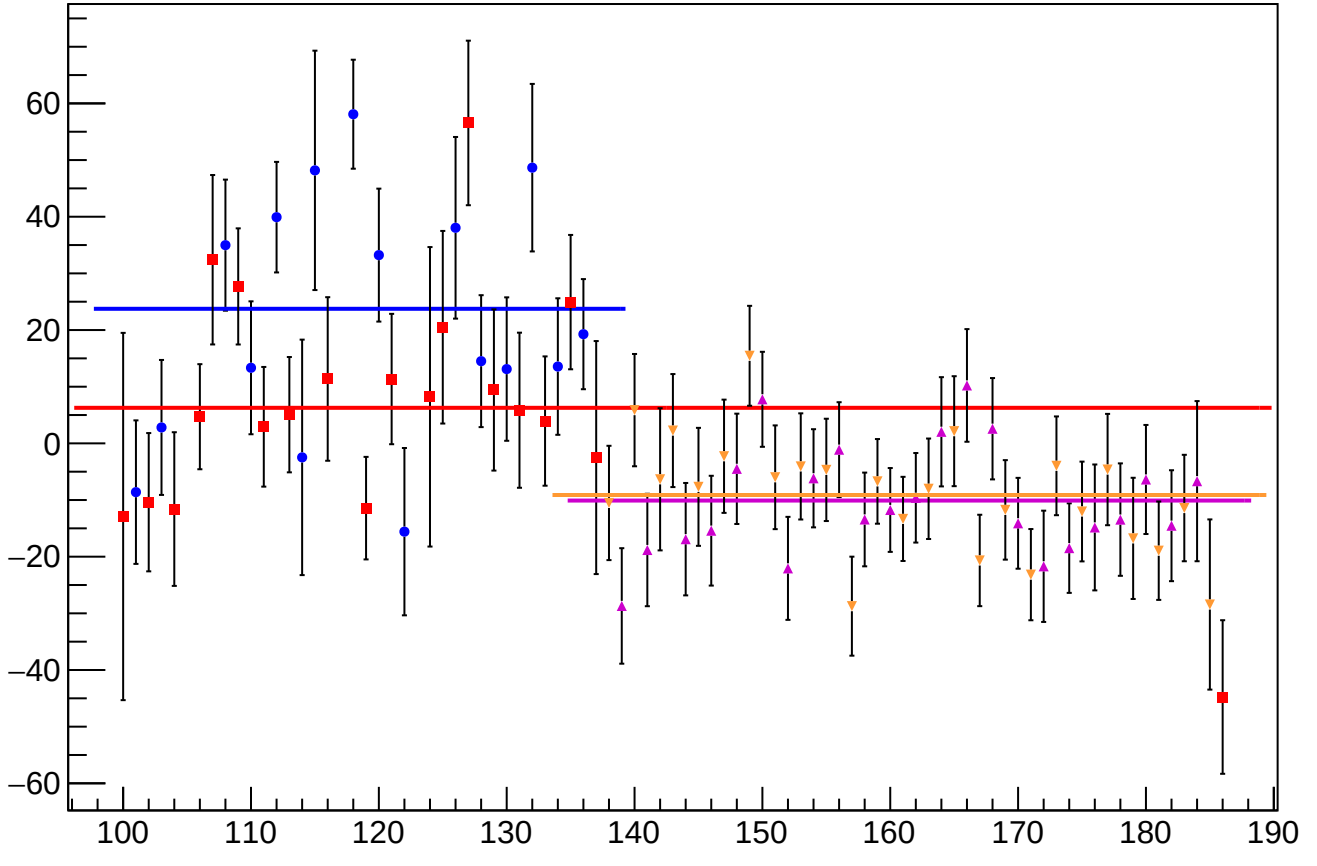
Right: 1235.410+/-0.225 χ^2/NDF: 164848.7/35

In: 1239.703+/-0.176 χ^2/NDF:966272.5/38

Out: 1218.240+/-0.167 χ^2/NDF:1098567.7/44

All: 1228.440+/-0.121 χ^2/NDF: 2072684.6/83

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

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

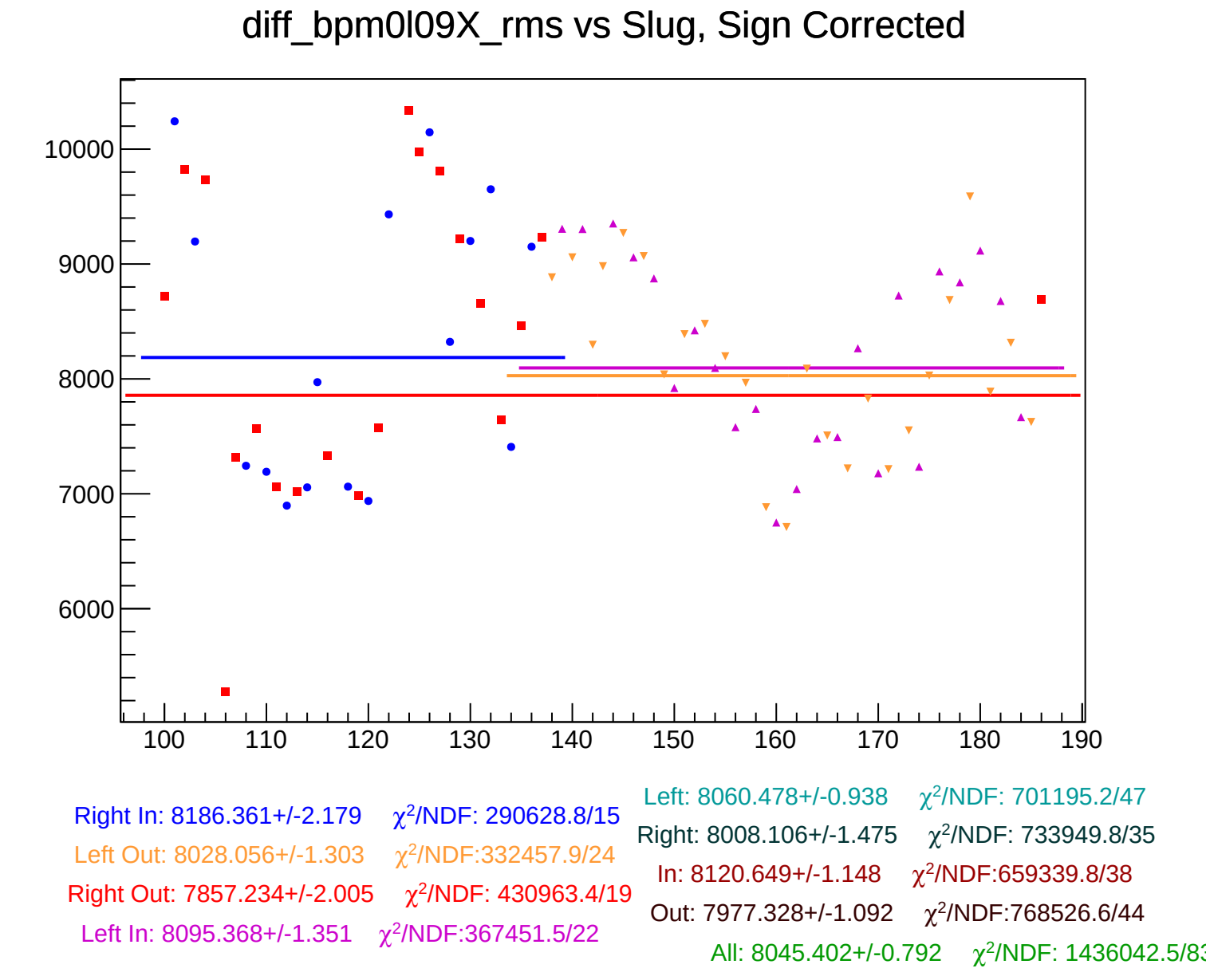
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 14.285+/-2.086 χ^2/NDF: 106.1/35

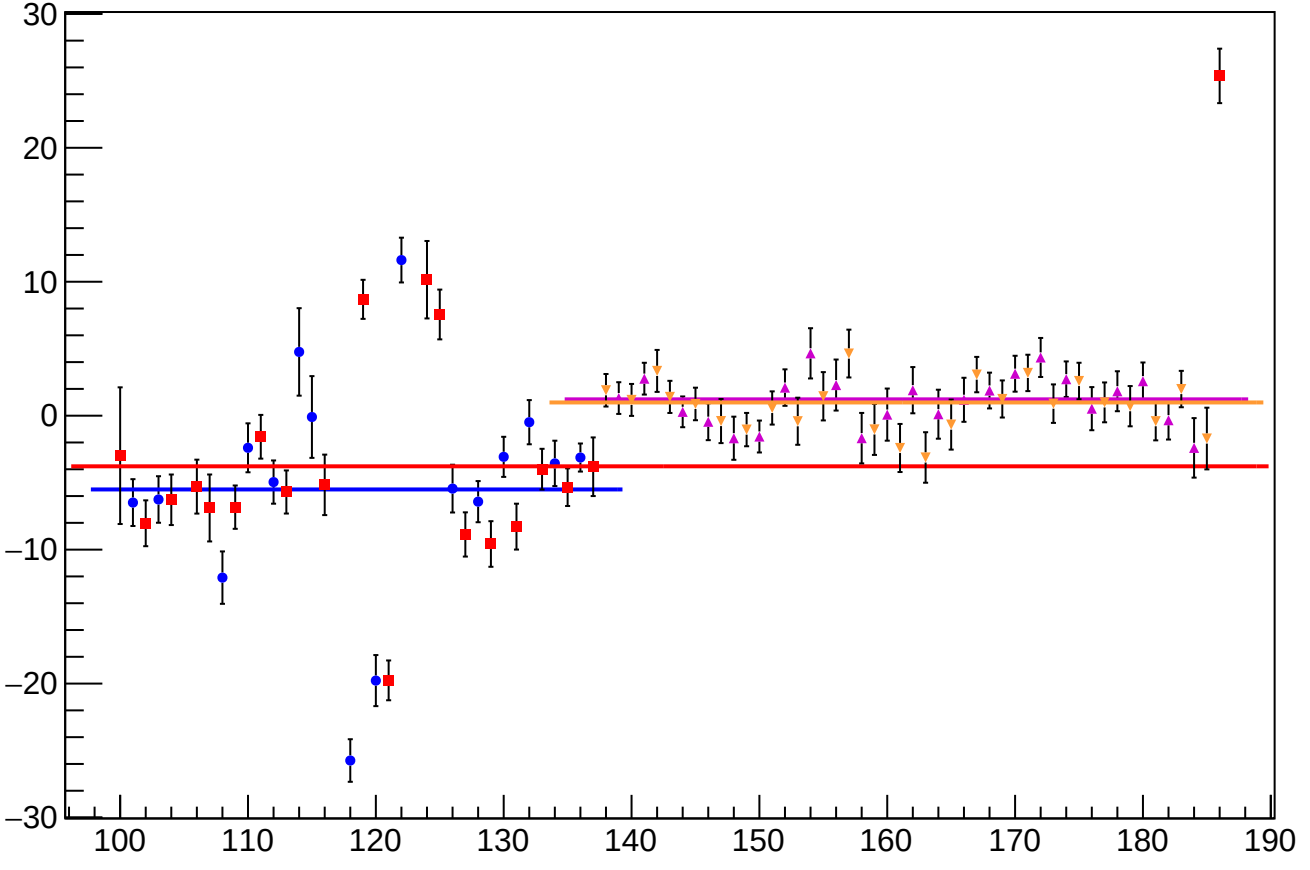
In: -0.692+/-1.624 χ^2/NDF:154.9/38

Out: -4.545+/-1.545 χ^2/NDF:94.8/44

All: -2.715+/-1.119 χ^2/NDF: 252.6/83


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 7857.234+/-2.005 χ²/NDF: 430963.4/19
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 8008.106+/-1.475 χ²/NDF: 733949.8/35
In: 8120.649+/-1.148 χ²/NDF:659339.8/38
Out: 7977.328+/-1.092 χ²/NDF:768526.6/44
All: 8045.402+/-0.792 χ²/NDF: 1436042.5/83

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

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

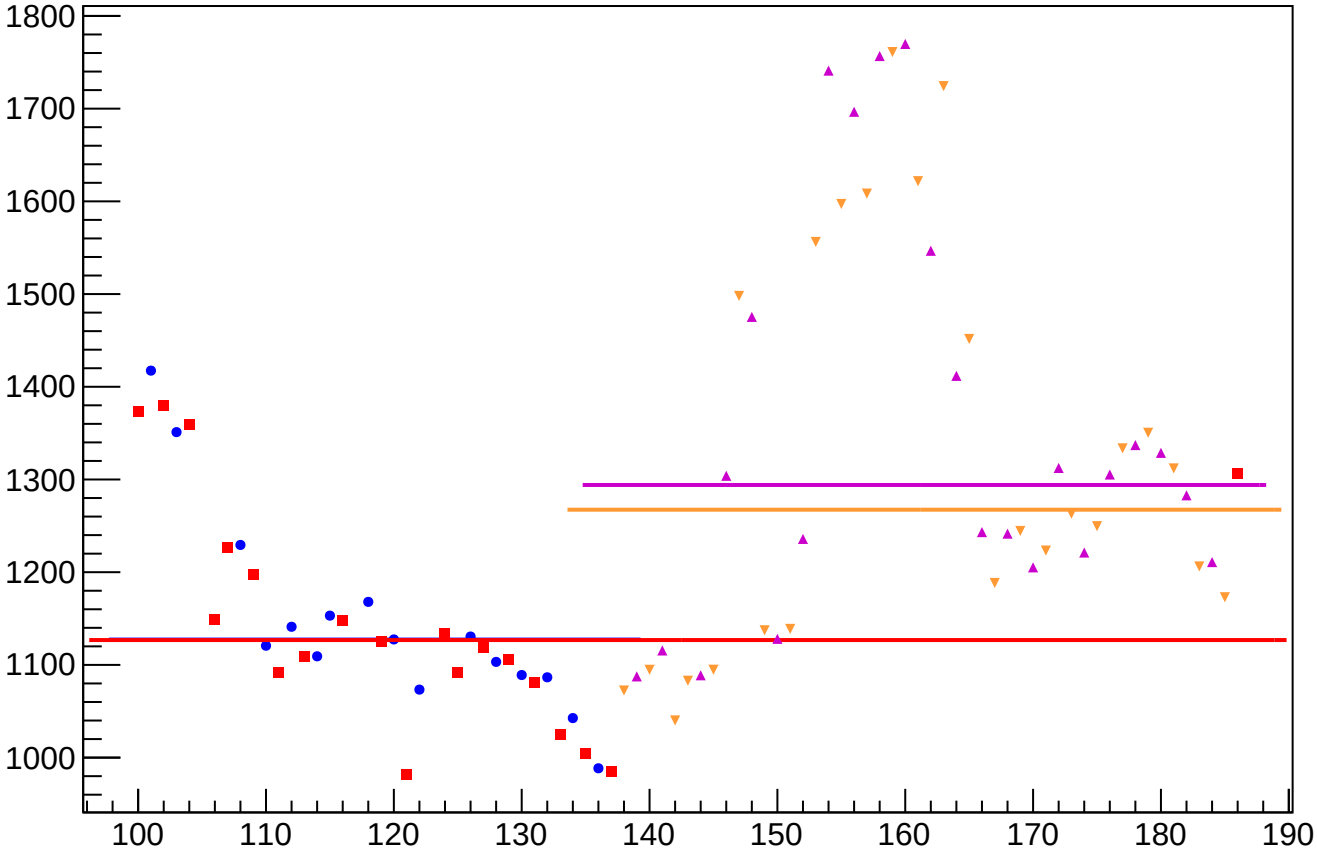
Right: -4.604+/-0.291 χ^2/NDF: 879.8/35

In: -1.112+/-0.248 χ^2/NDF:569.8/38

Out: -0.660+/-0.236 χ^2/NDF:624.2/44

All: -0.875+/-0.171 χ^2/NDF: 1195.7/83

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

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

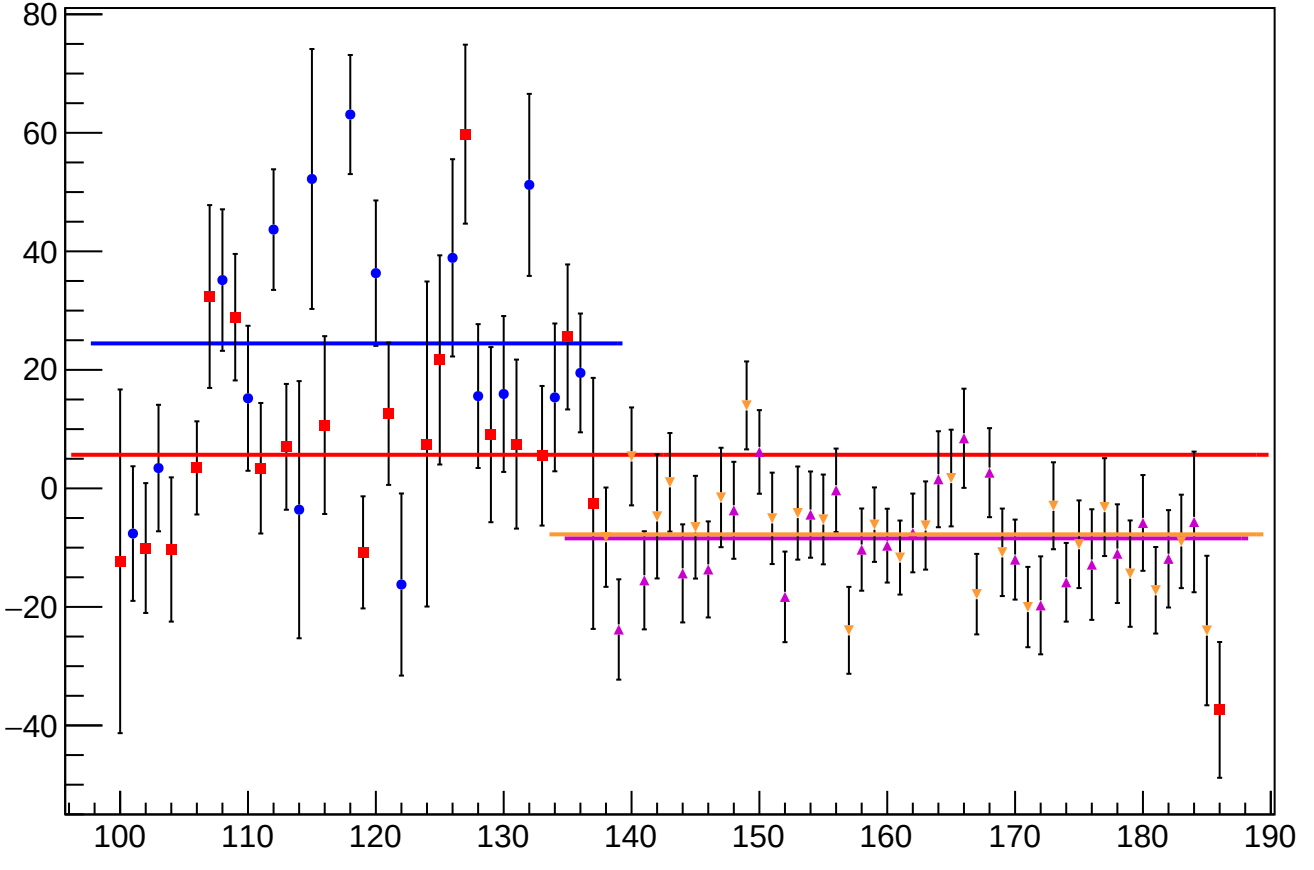
Right: 1127.037+/-0.206 χ^2/NDF: 297675.4/35

In: 1236.259+/-0.175 χ^2/NDF:1104014.5/38

Out: 1218.804+/-0.167 χ^2/NDF:1195384.9/44

All: 1227.124+/-0.121 χ^2/NDF: 2304592.9/83

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

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

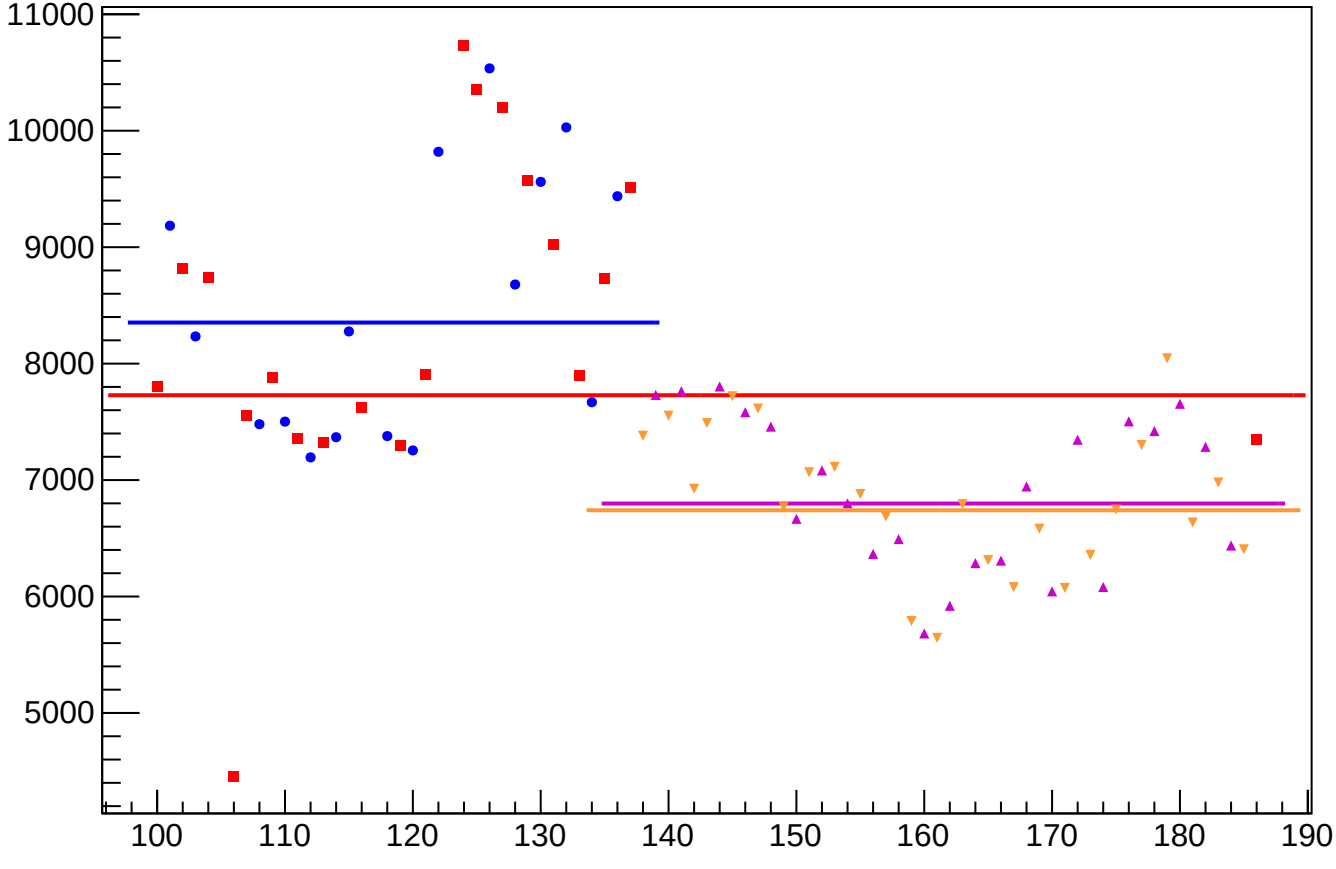
Right: 14.017+/-2.090 χ^2/NDF: 114.4/35

In: -1.611+/-1.429 χ^2/NDF:160.4/38

Out: -4.619+/-1.354 χ^2/NDF:94.2/44

All: -3.196+/-0.983 χ^2/NDF: 256.9/83

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

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

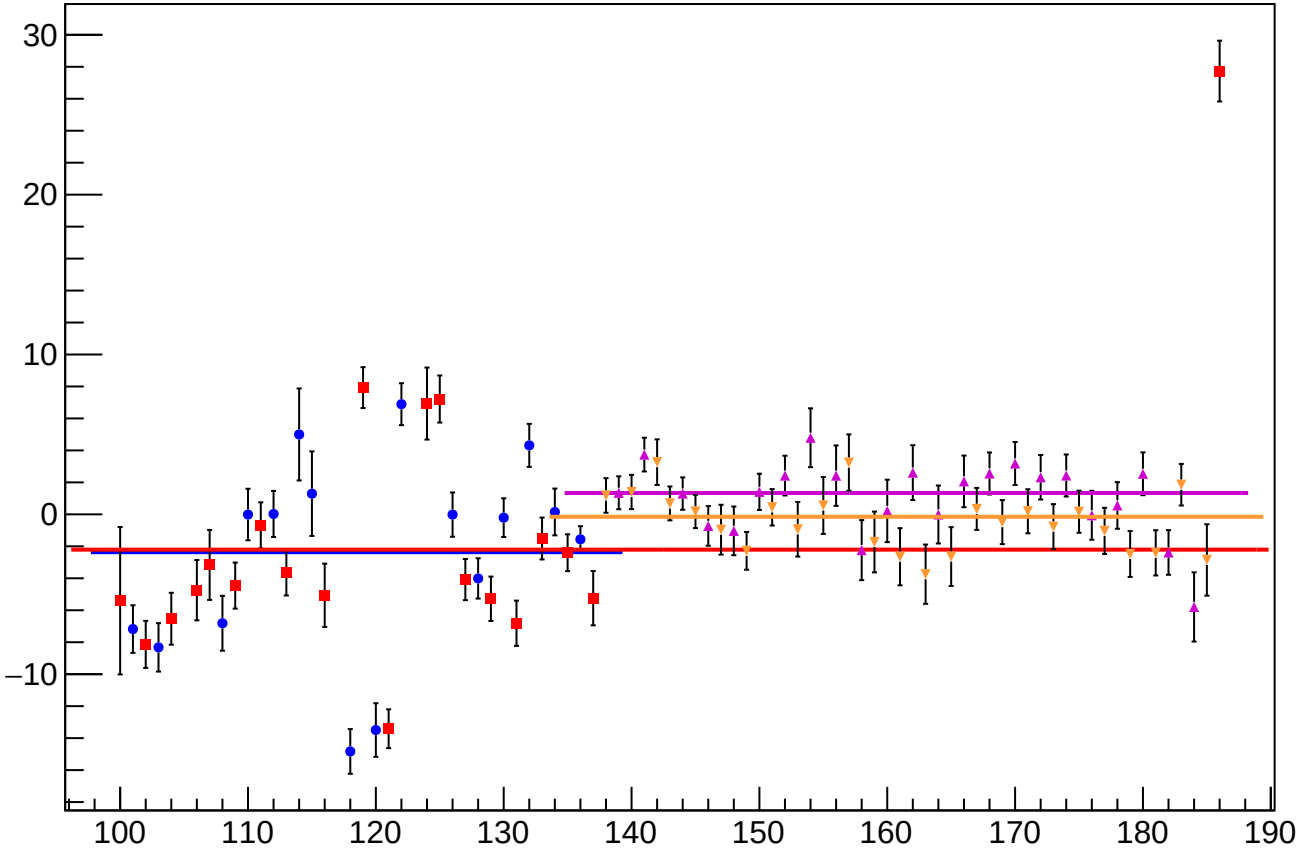
Right: 8005.772+/-1.478 χ^2/NDF: 854848.8/35

In: 7120.994+/-1.010 χ^2/NDF:962987.8/38

Out: 6971.354+/-0.958 χ^2/NDF:1097480.5/44

All: 7042.179+/-0.695 χ^2/NDF: 2072027.5/83

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

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

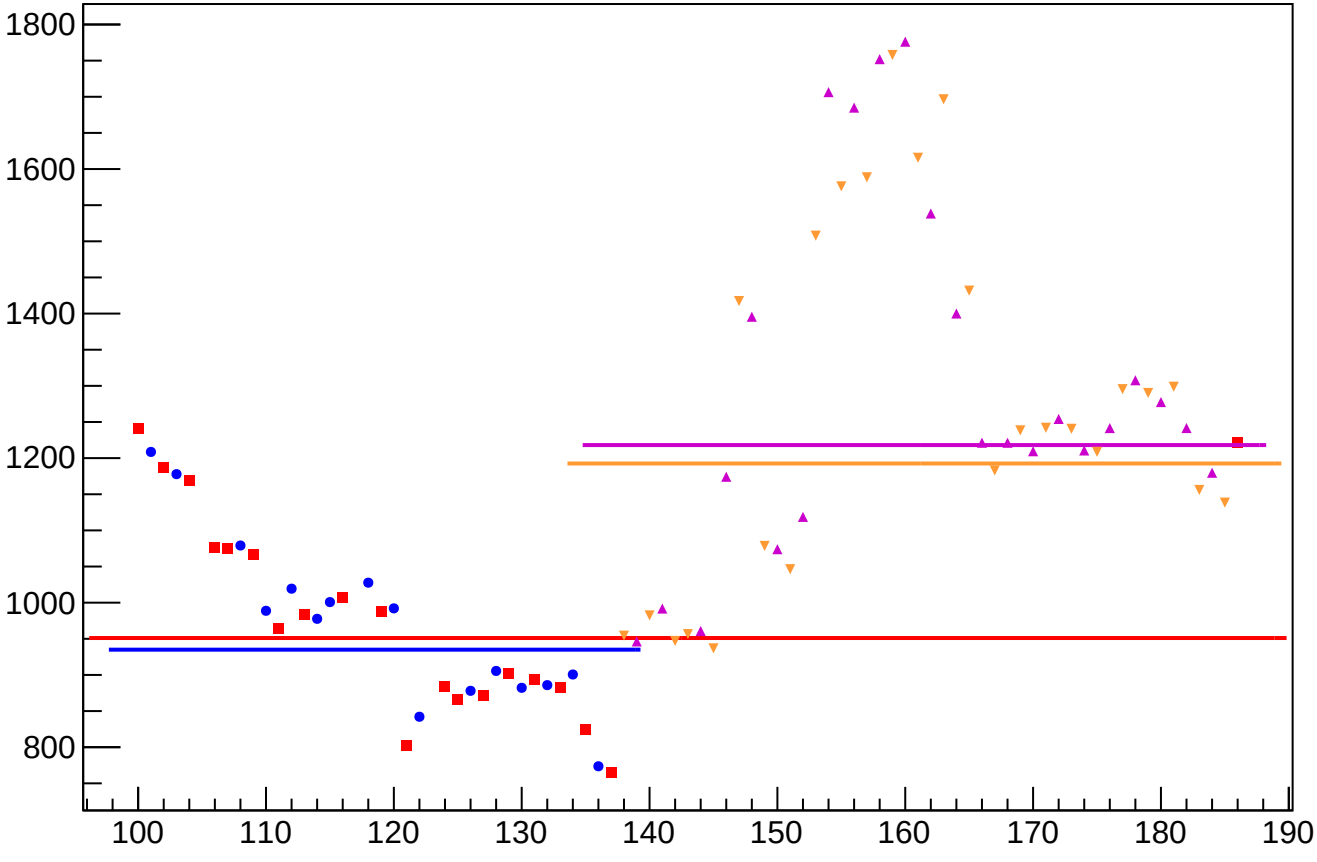
Right: -2.286+/-0.244 χ^2/NDF: 762.4/35

In: -0.170+/-0.223 χ^2/NDF:365.9/38

Out: -0.970+/-0.215 χ^2/NDF:564.7/44

All: -0.586+/-0.155 χ^2/NDF: 937.3/83

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

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

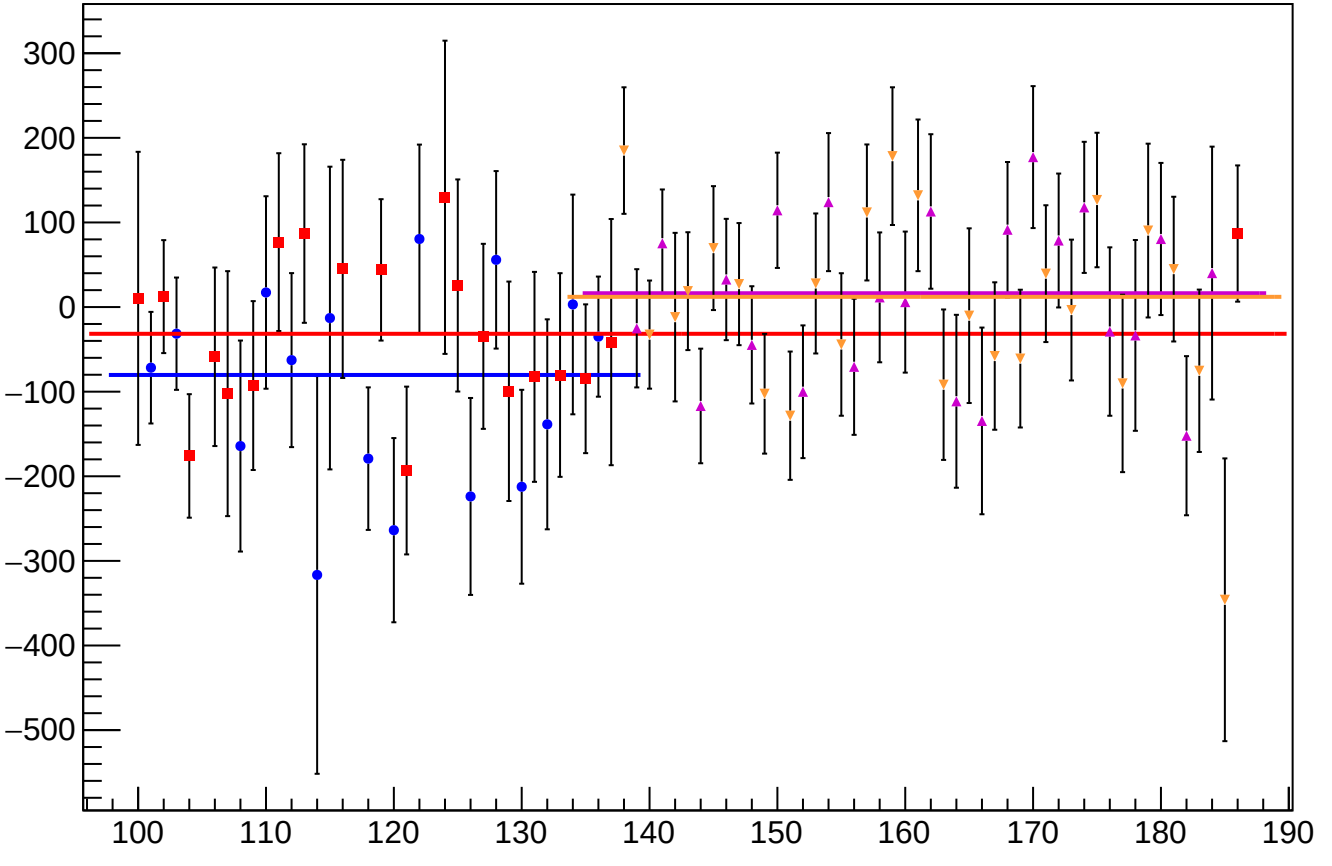
Right: 943.255+/-0.173 χ^2/NDF: 530925.5/35

In: 1102.927+/-0.158 χ^2/NDF:2156498.3/38

Out: 1096.617+/-0.152 χ^2/NDF:2199916.7/44

All: 1099.647+/-0.110 χ^2/NDF: 4357243.6/83

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

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

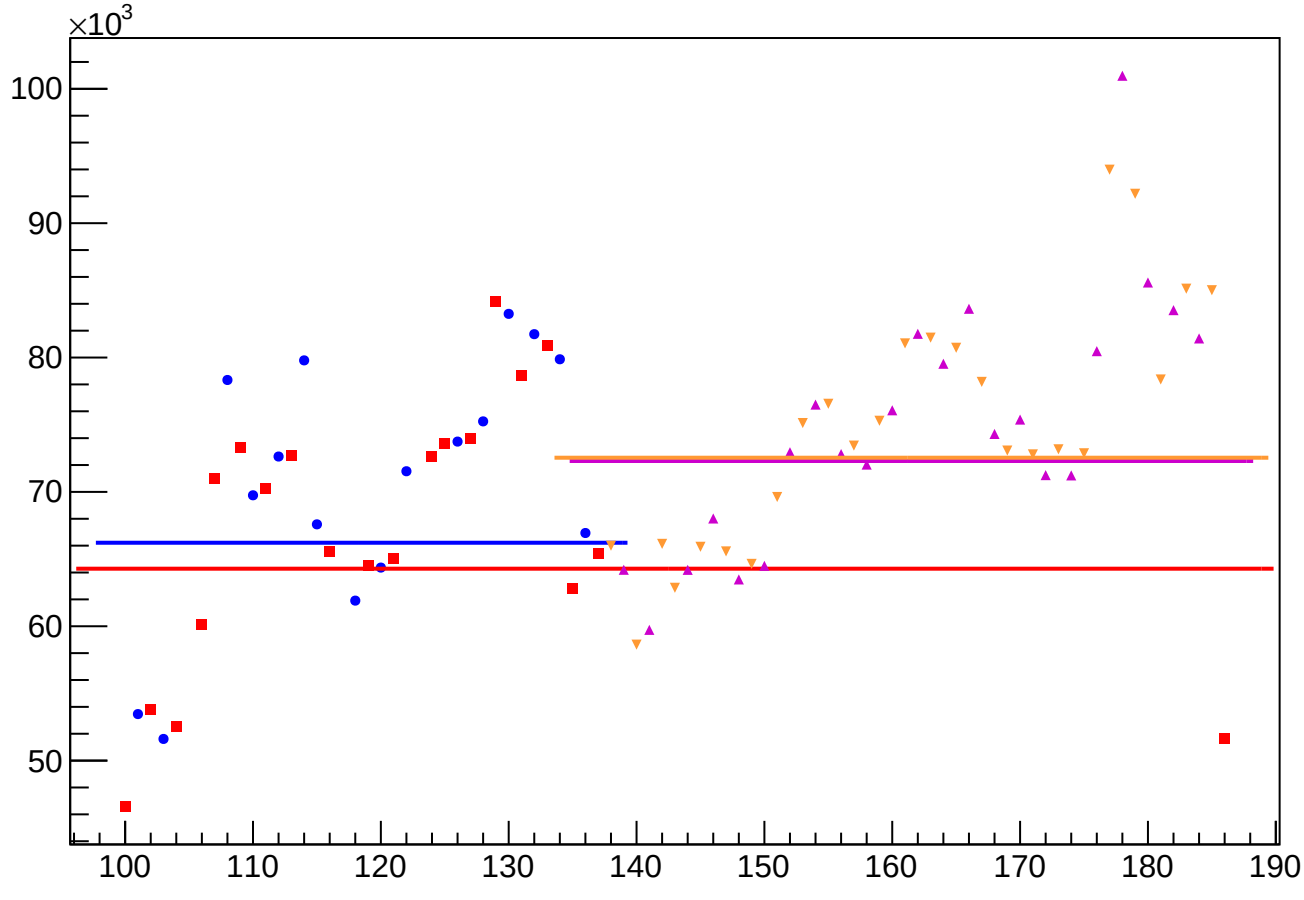
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: -54.126+/-16.948 χ^2/NDF: 32.2/35

In: -14.398+/-14.052 χ^2/NDF:53.8/38

Out: -2.783+/-13.490 χ^2/NDF:50.5/44

All: -8.354+/-9.731 χ^2/NDF: 104.6/83



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

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

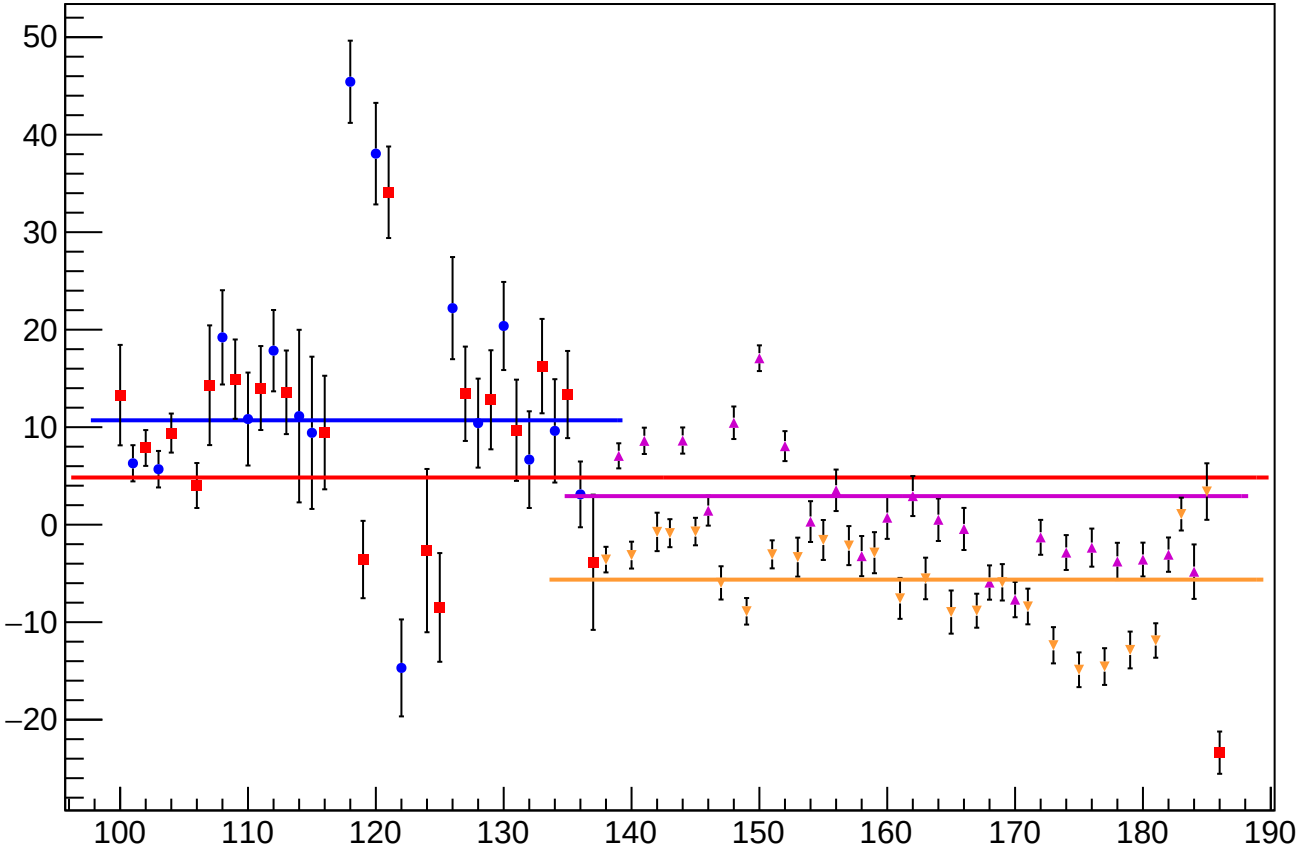
Right: 65178.721+/-11.984 χ^2/NDF: 702870.2/35

In: 70364.356+/-9.936 χ^2/NDF:908517.0/38

Out: 69734.011+/-9.539 χ^2/NDF:1026416.4/44

All: 70036.336+/-6.881 χ^2/NDF: 1937027.8/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

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

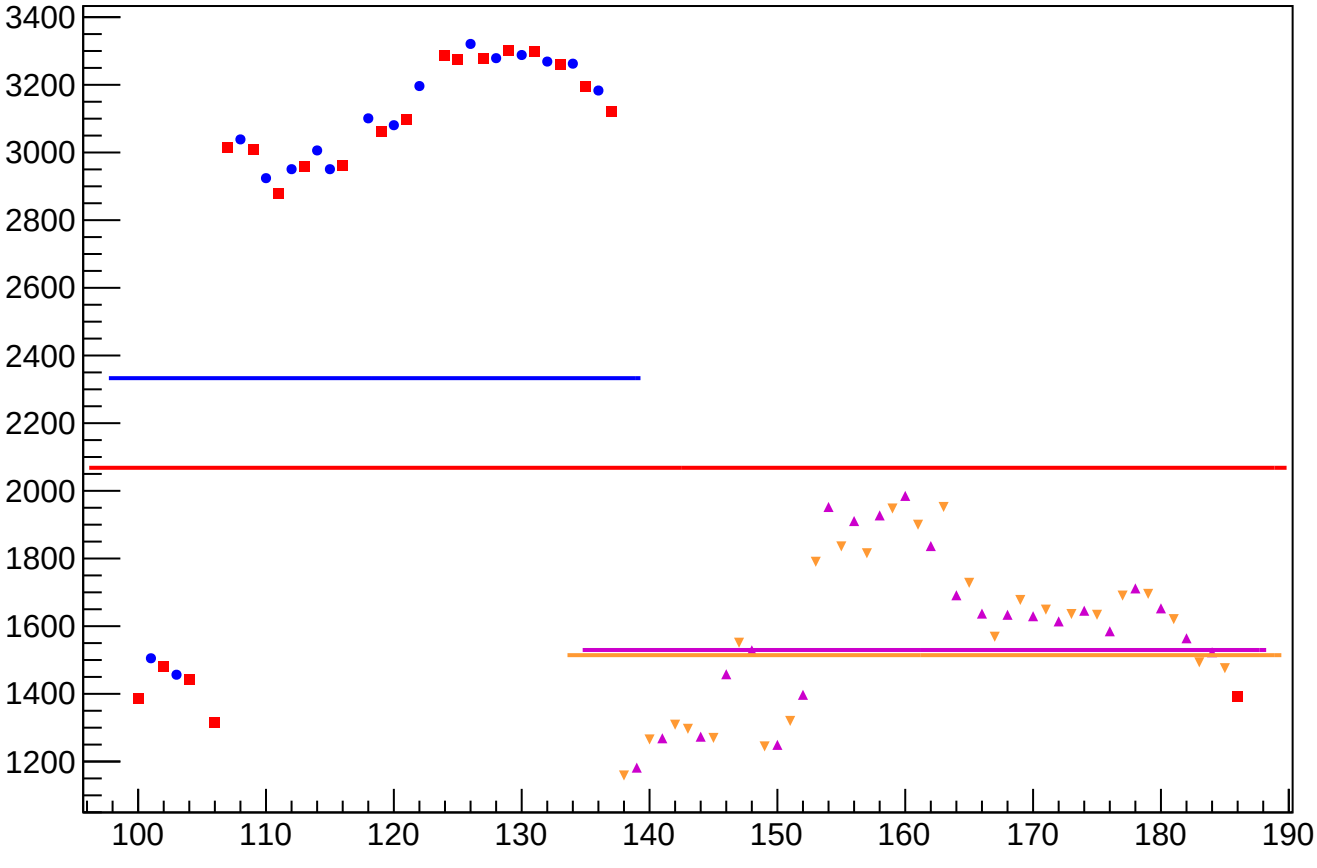
Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

Right: 7.332+/-0.600 χ^2/NDF: 444.2/35

In: 3.972+/-0.337 χ^2/NDF:554.7/38

Out: -3.930+/-0.319 χ^2/NDF:590.1/44

All: -0.193+/-0.232 χ^2/NDF: 1434.4/83



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

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

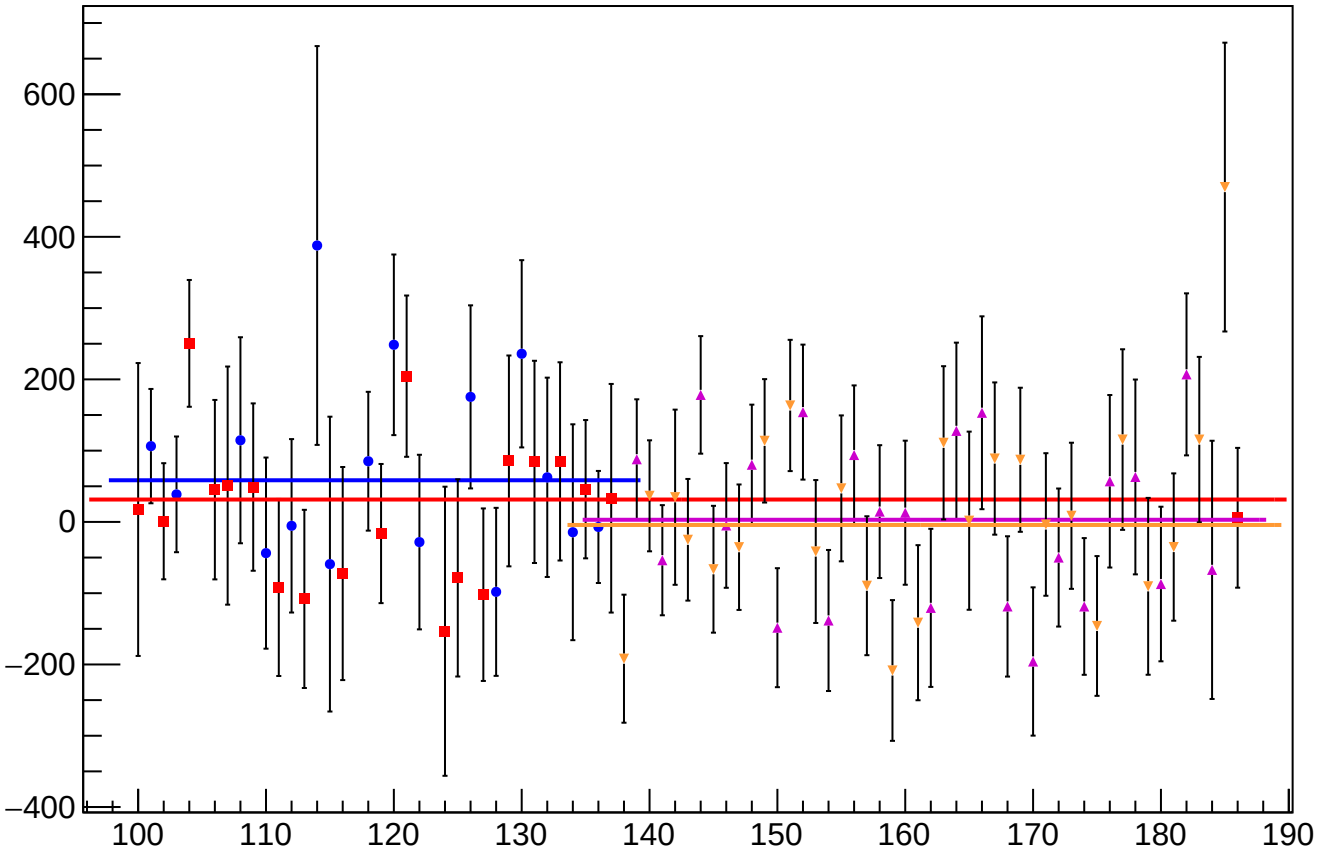
Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

Right: 2180.704+/-0.424 χ^2/NDF: 3954903.5/35

In: 1637.374+/-0.238 χ^2/NDF:3798901.3/38

Out: 1604.508+/-0.226 χ^2/NDF:3961427.6/44

All: 1620.052+/-0.164 χ^2/NDF: 7770347.5/83



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

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

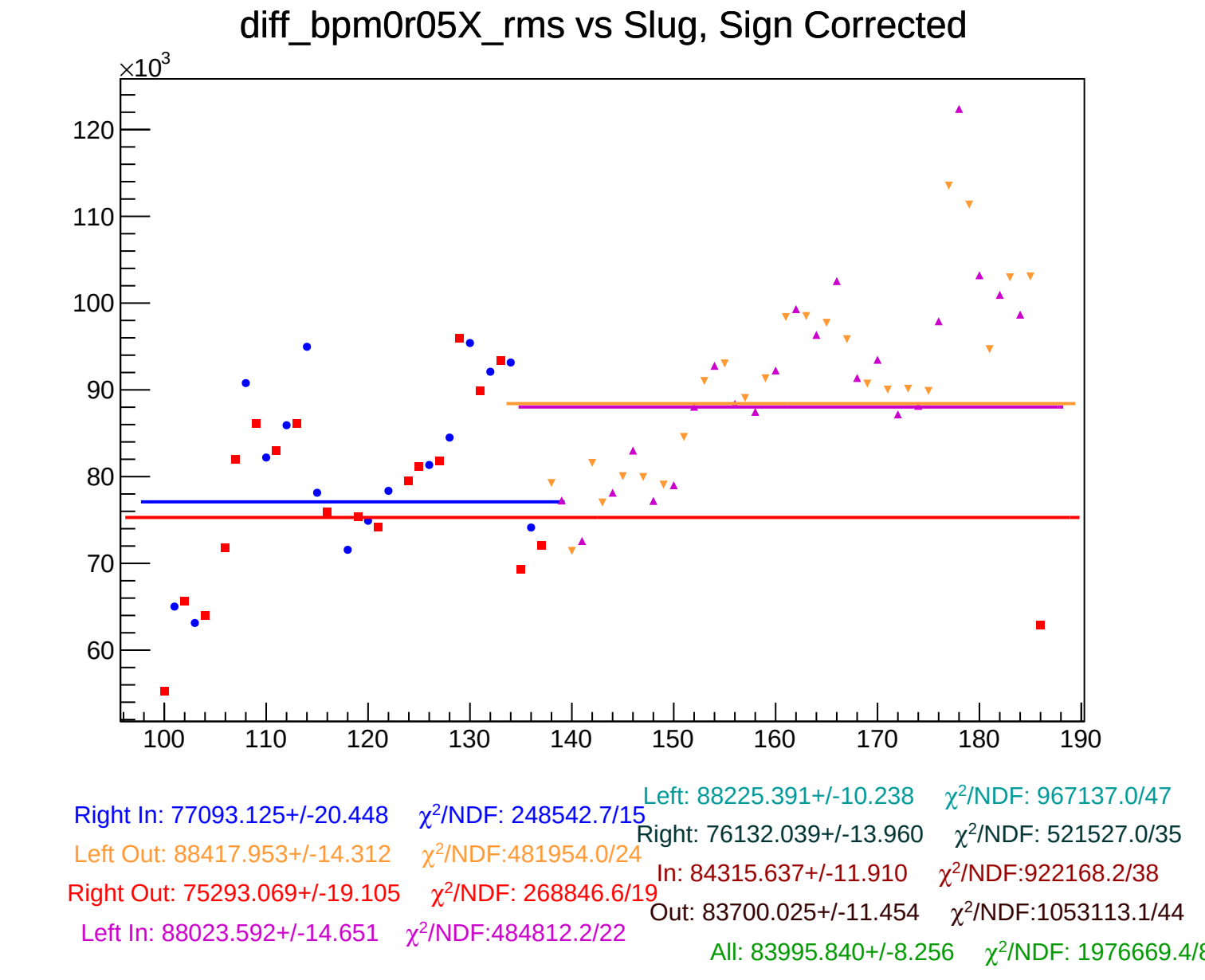
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 44.015+/-19.742 χ^2/NDF: 26.5/35

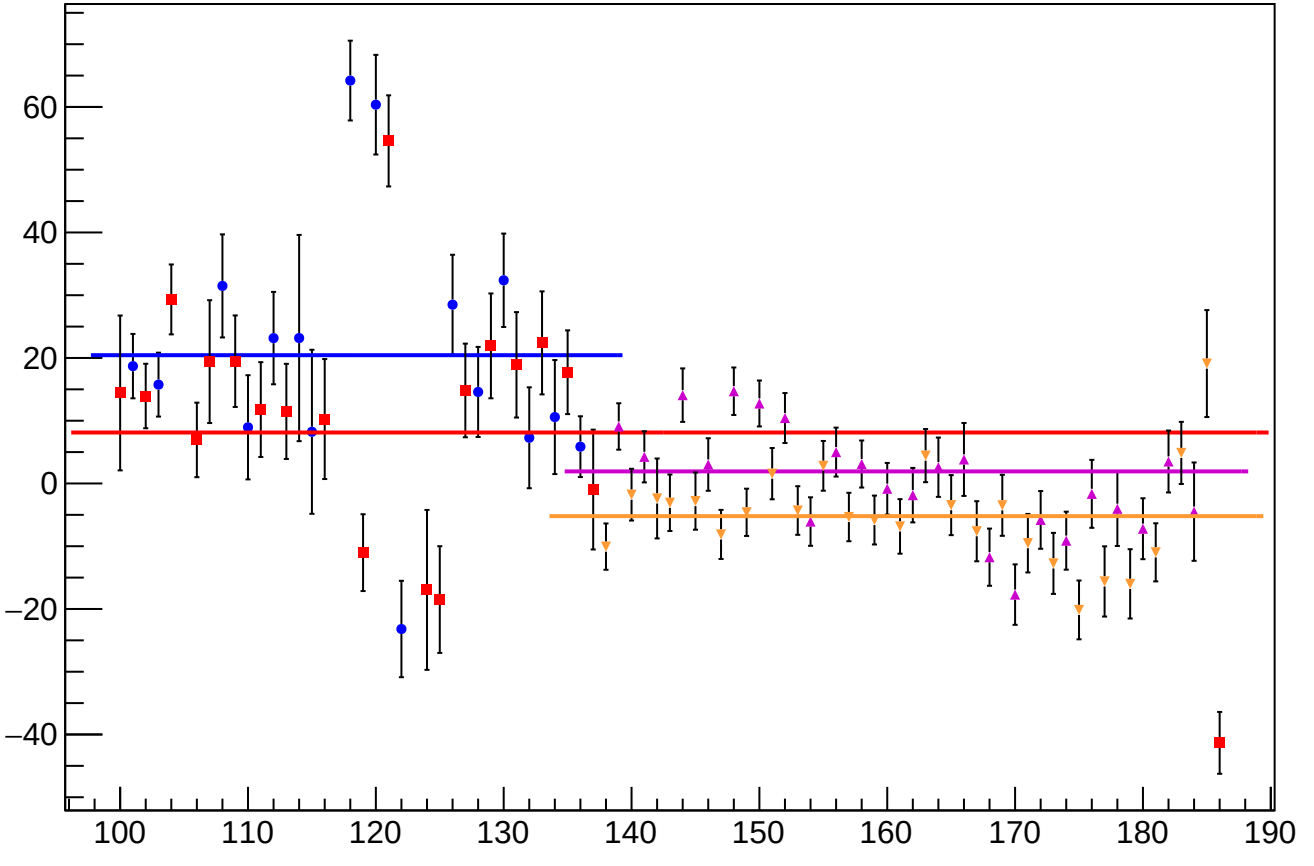
In: 21.820+/-16.843 χ^2/NDF:44.5/38

Out: 8.556+/-16.199 χ^2/NDF:46.3/44

All: 14.929+/-11.675 χ^2/NDF: 91.1/83


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: 77093.125+/-20.448 χ²/NDF: 248542.7/15
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: 76132.039+/-13.960 χ²/NDF: 521527.0/35
In: 84315.637+/-11.910 χ²/NDF:922168.2/38
Out: 83700.025+/-11.454 χ²/NDF:1053113.1/44
All: 83995.840+/-8.256 χ²/NDF: 1976669.4/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

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

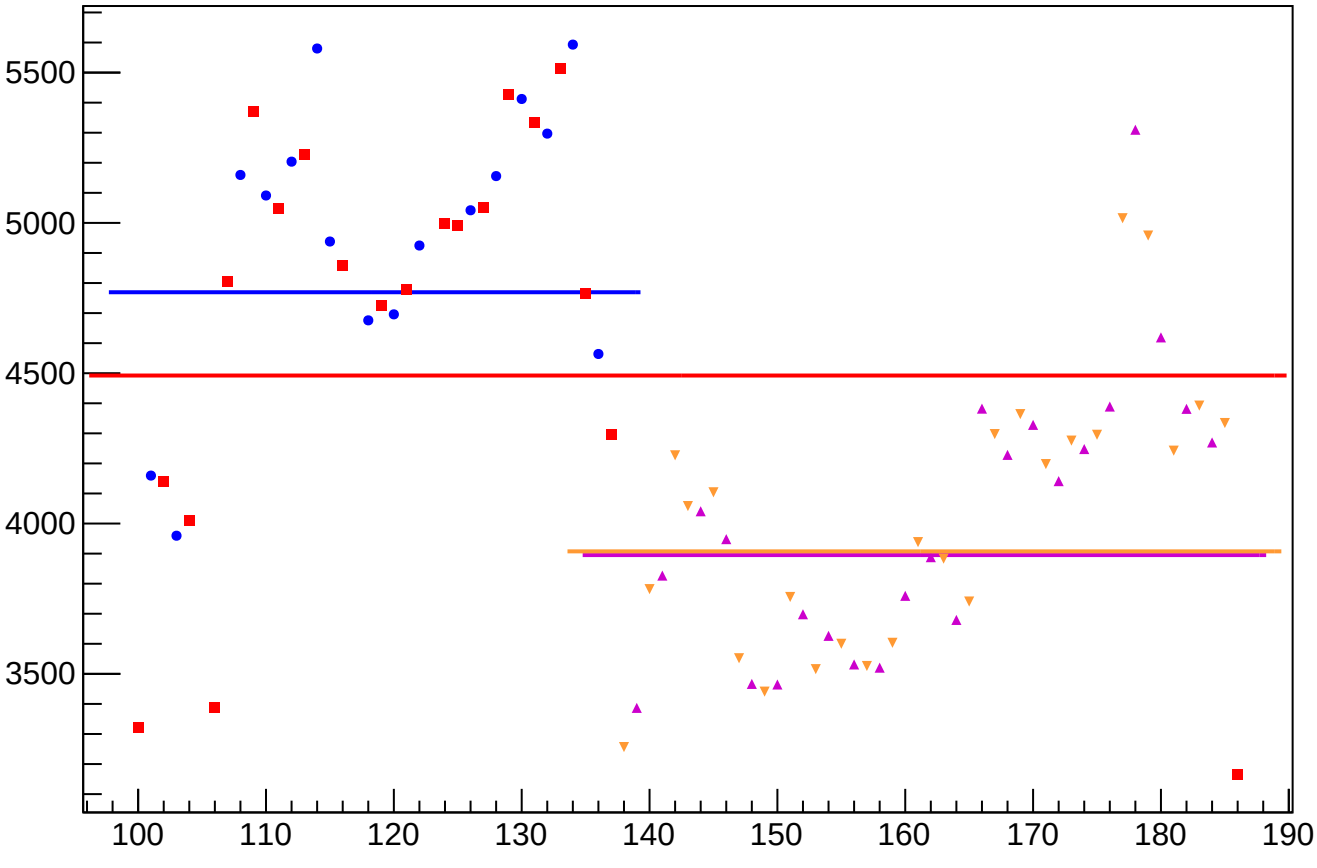
Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

Right: 13.691+/-1.198 χ^2/NDF: 350.7/35

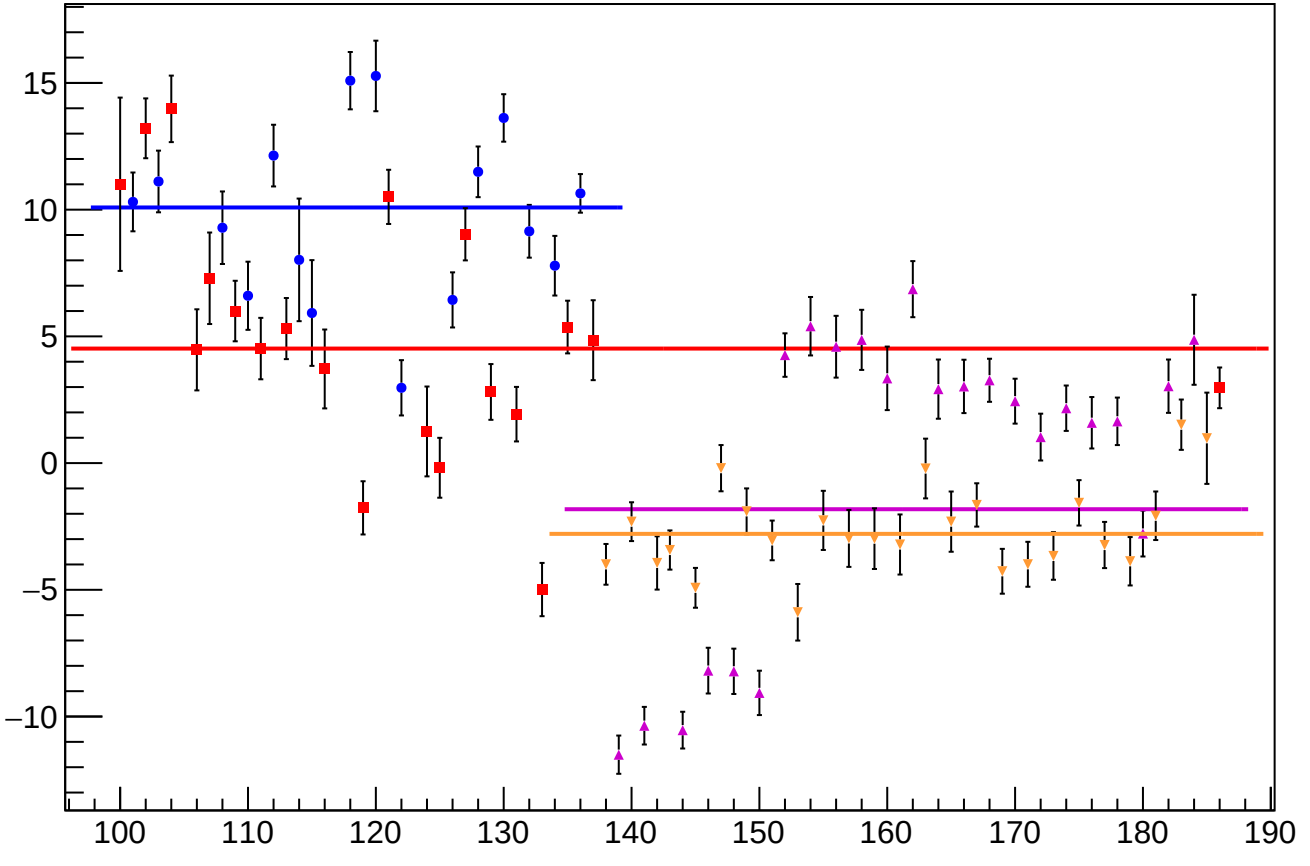
In: 5.796+/-0.815 χ^2/NDF:296.5/38

Out: -2.091+/-0.782 χ^2/NDF:299.6/44

All: 1.692+/-0.564 χ^2/NDF: 644.8/83


diff_bpm0r05Y_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
100
110
120
130
140
150
160
170
180
190
Right In: 4769.375+/-1.260 χ²/NDF: 151678.3/15
Left Out: 3907.465+/-0.632 χ²/NDF:441202.5/24
Right Out: 4492.357+/-1.144 χ²/NDF: 427908.3/19
Left In: 3895.108+/-0.648 χ²/NDF:409913.9/22
Left: 3901.439+/-0.452 χ²/NDF: 851302.8/47
Right: 4617.582+/-0.847 χ²/NDF: 606071.3/35
In: 4077.924+/-0.576 χ²/NDF:942341.6/38
Out: 4044.161+/-0.553 χ²/NDF:1069252.5/44
All: 4060.358+/-0.399 χ²/NDF: 2013380.6/83

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

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

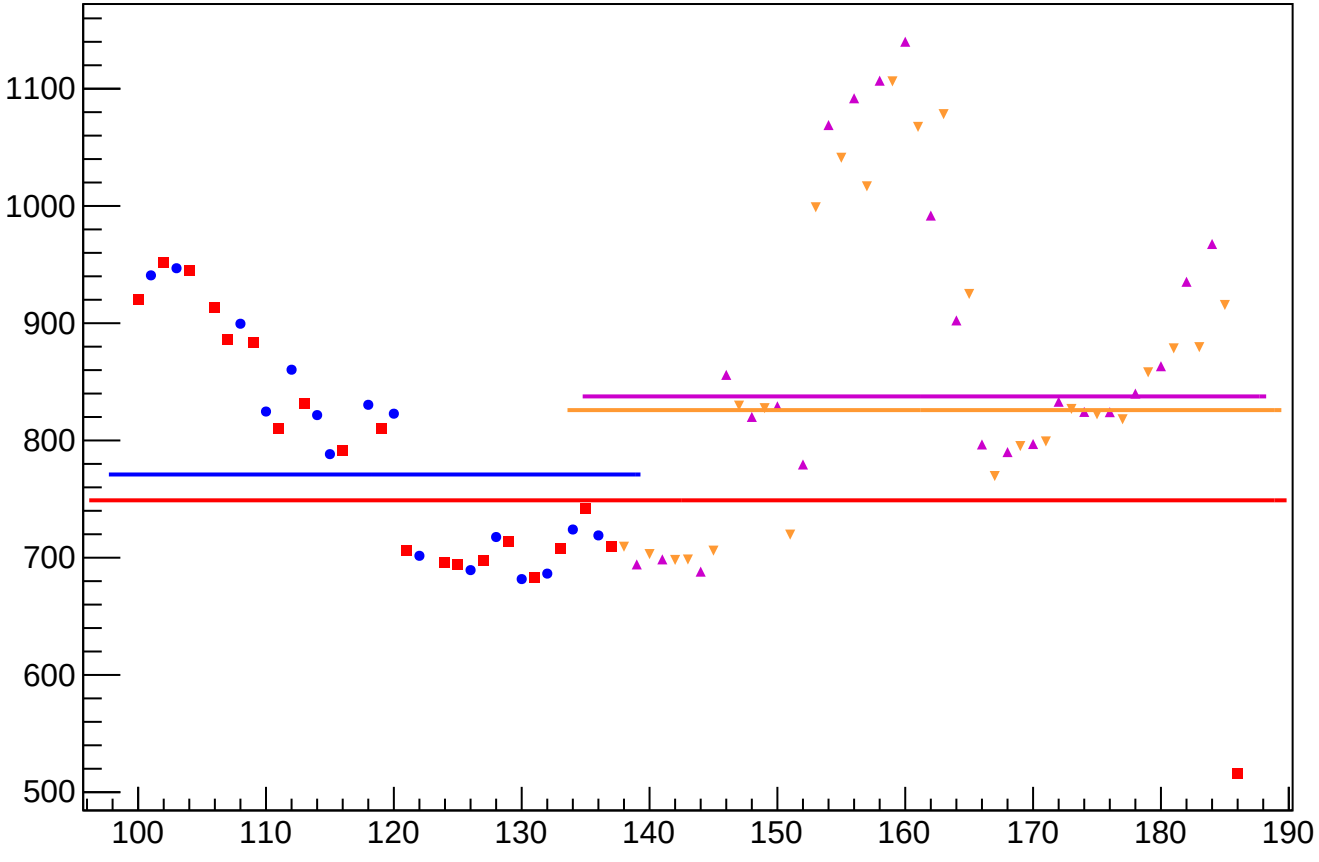
Right: 7.112+/-0.197 χ^2/NDF: 637.5/35

In: 1.999+/-0.163 χ^2/NDF:2307.8/38

Out: -0.361+/-0.155 χ^2/NDF:875.0/44

All: 0.760+/-0.113 χ^2/NDF: 3292.5/83

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

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

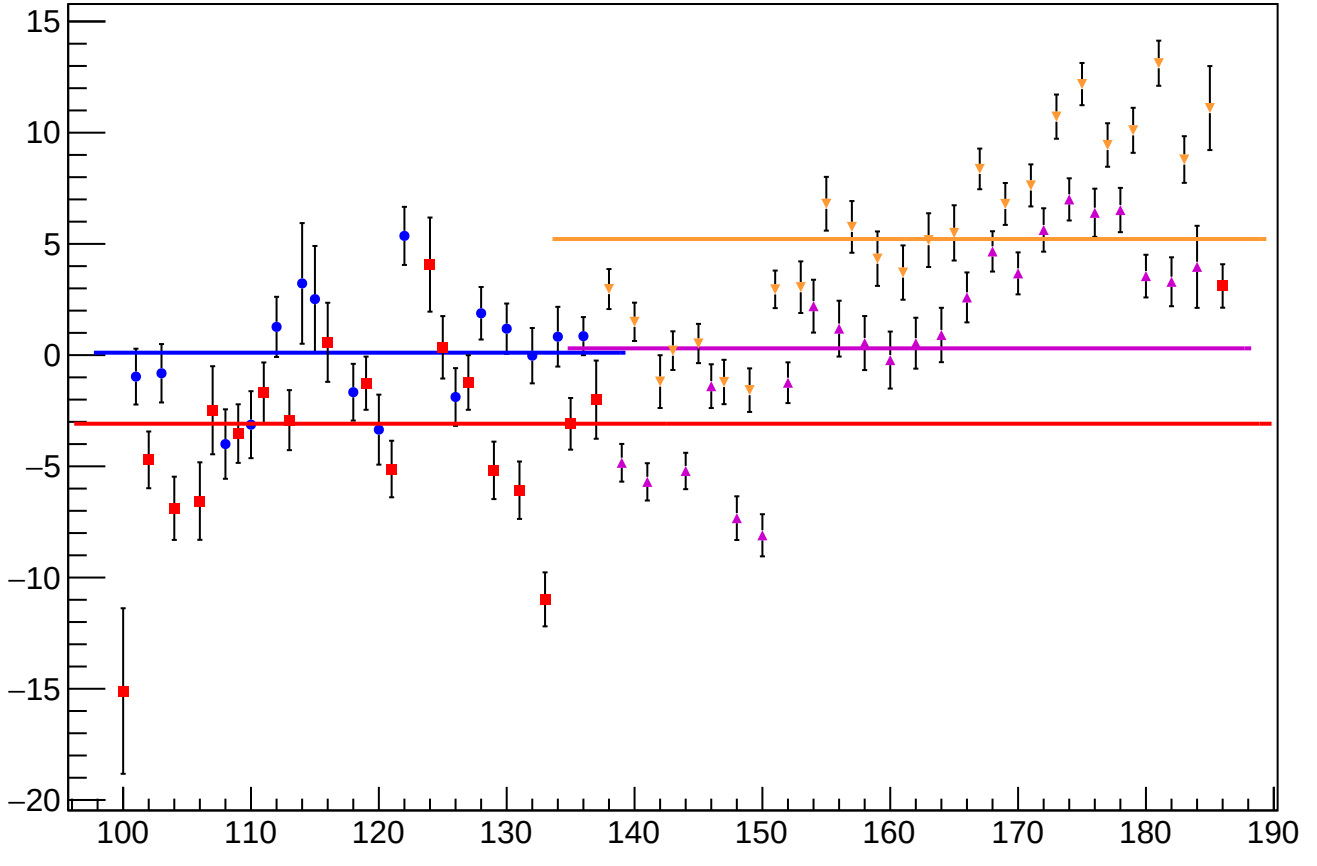
Right: 759.201+/-0.139 χ^2/NDF: 584800.1/35

In: 816.208+/-0.115 χ^2/NDF:979518.2/38

Out: 800.289+/-0.110 χ^2/NDF:1259719.4/44

All: 807.847+/-0.080 χ^2/NDF: 2249217.0/83

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

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

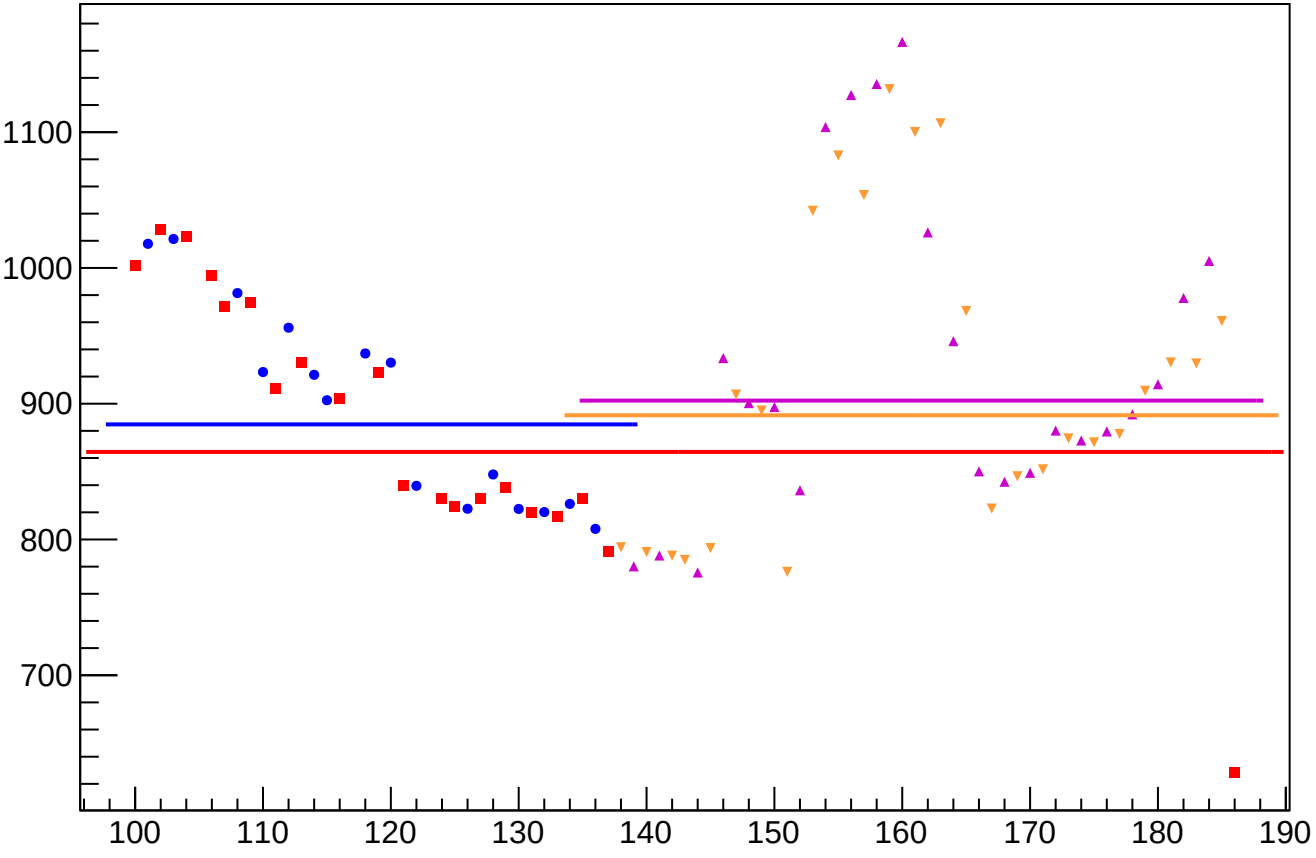
Right: -1.590+/-0.226 χ^2/NDF: 239.4/35

In: 0.247+/-0.179 χ^2/NDF:540.8/38

Out: 2.696+/-0.171 χ^2/NDF:1095.8/44

All: 1.529+/-0.123 χ^2/NDF: 1734.9/83

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

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

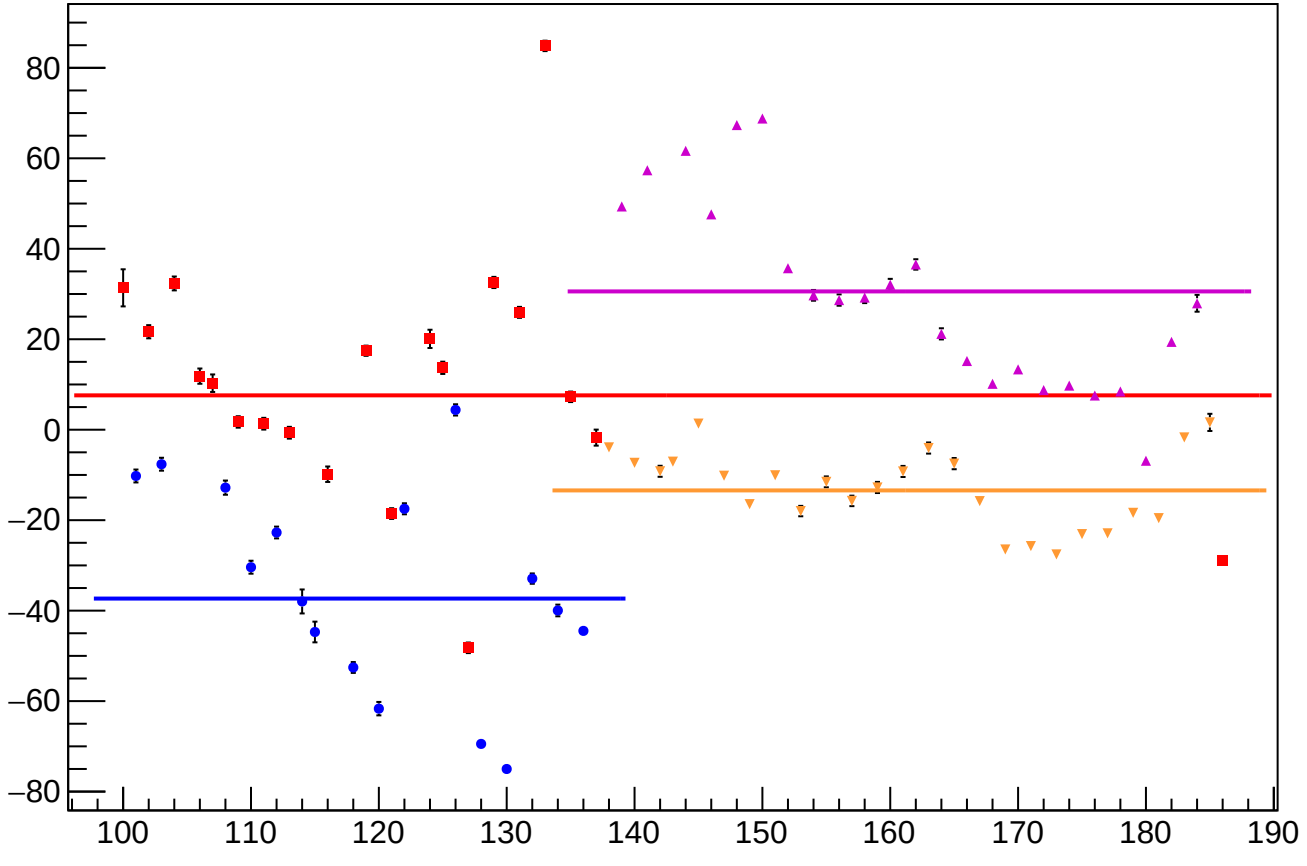
Right: 873.980+/-0.160 χ^2/NDF: 346369.0/35

In: 897.149+/-0.126 χ^2/NDF:593403.0/38

Out: 883.286+/-0.121 χ^2/NDF:766252.0/44

All: 889.891+/-0.087 χ^2/NDF: 1365953.5/83

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

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

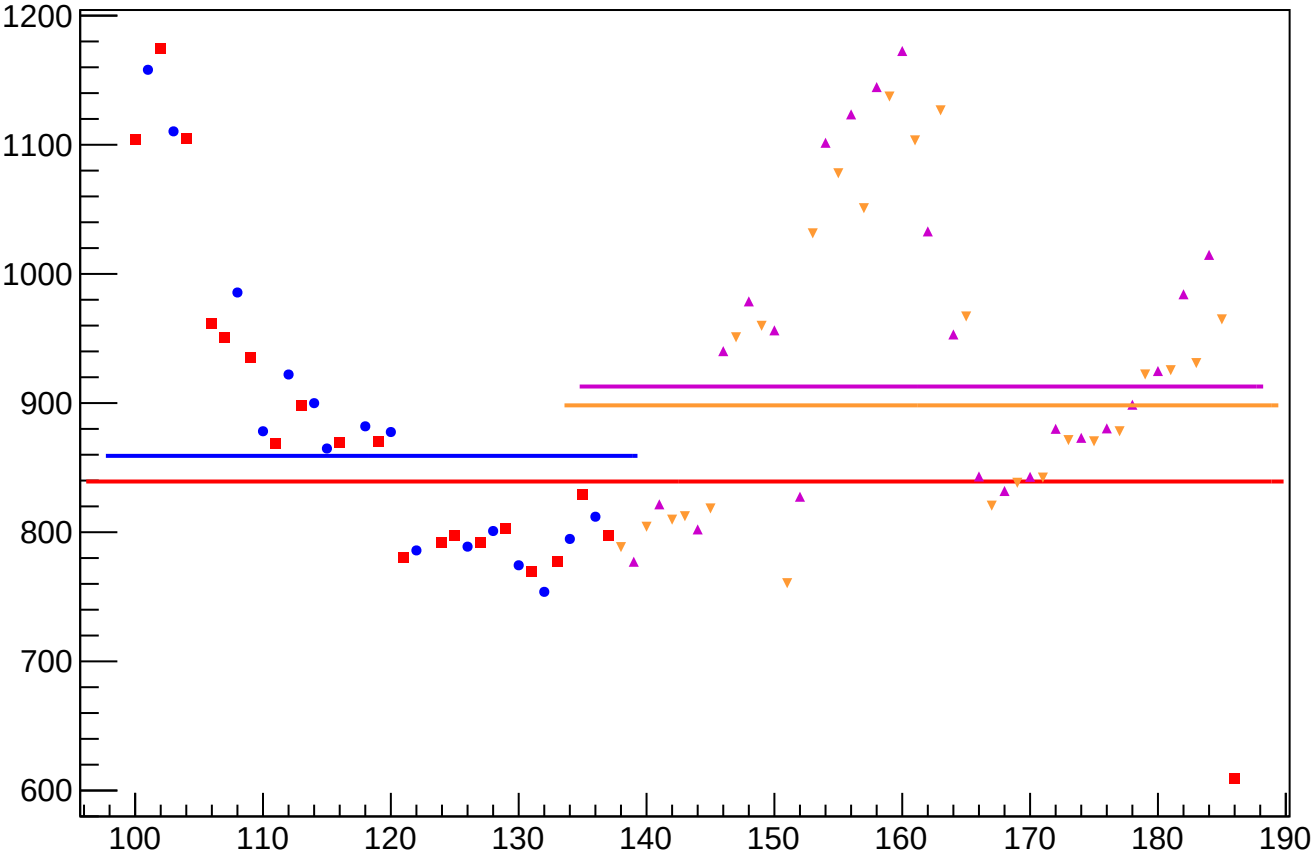
Right: -13.403+/-0.220 χ^2/NDF: 25684.9/35

In: 9.586+/-0.179 χ^2/NDF:46346.9/38

Out: -6.731+/-0.170 χ^2/NDF:15093.2/44

All: 1.016+/-0.123 χ^2/NDF: 65811.7/83

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

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

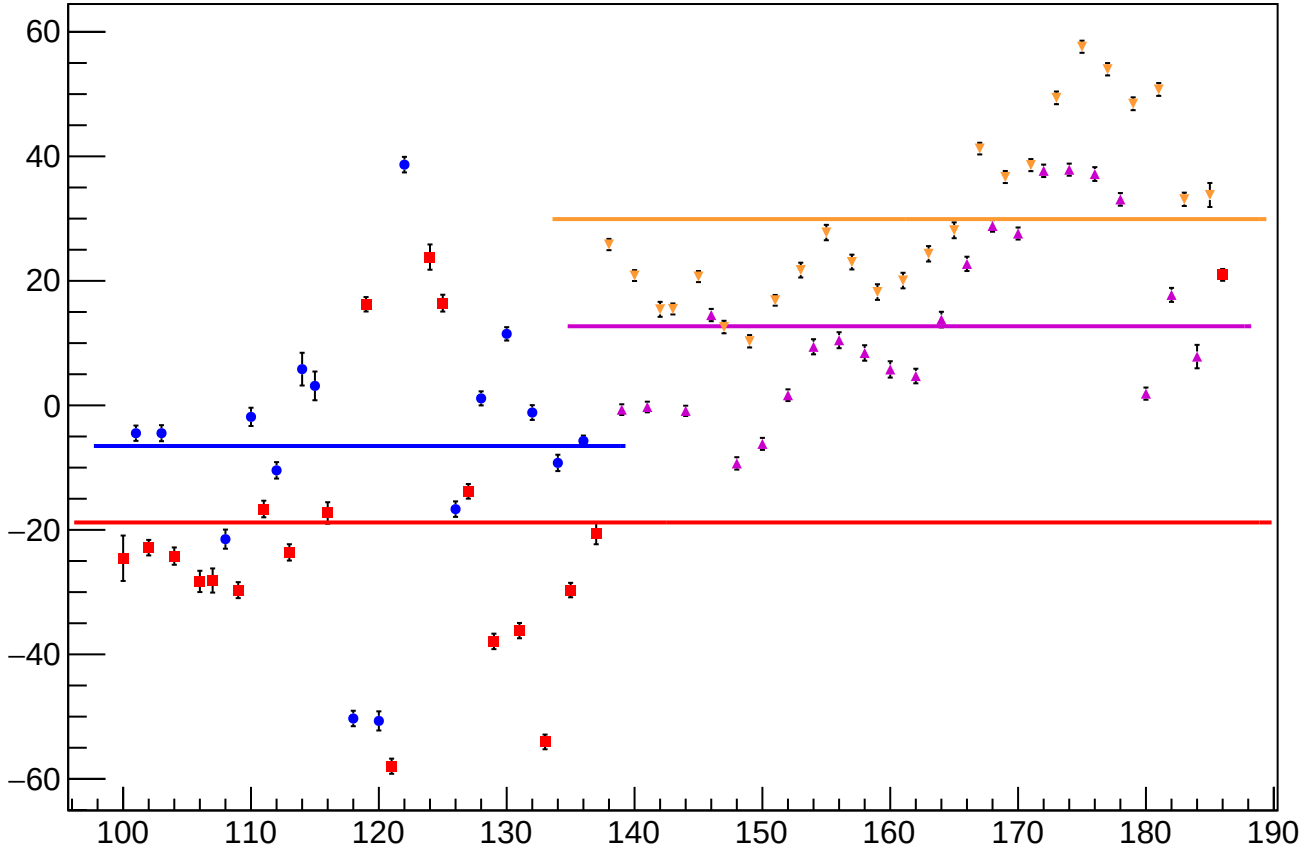
Right: 848.549+/-0.156 χ^2/NDF: 587999.9/35

In: 896.223+/-0.126 χ^2/NDF:747214.7/38

Out: 879.459+/-0.120 χ^2/NDF:925778.1/44

All: 887.418+/-0.087 χ^2/NDF: 1682221.7/83

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

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

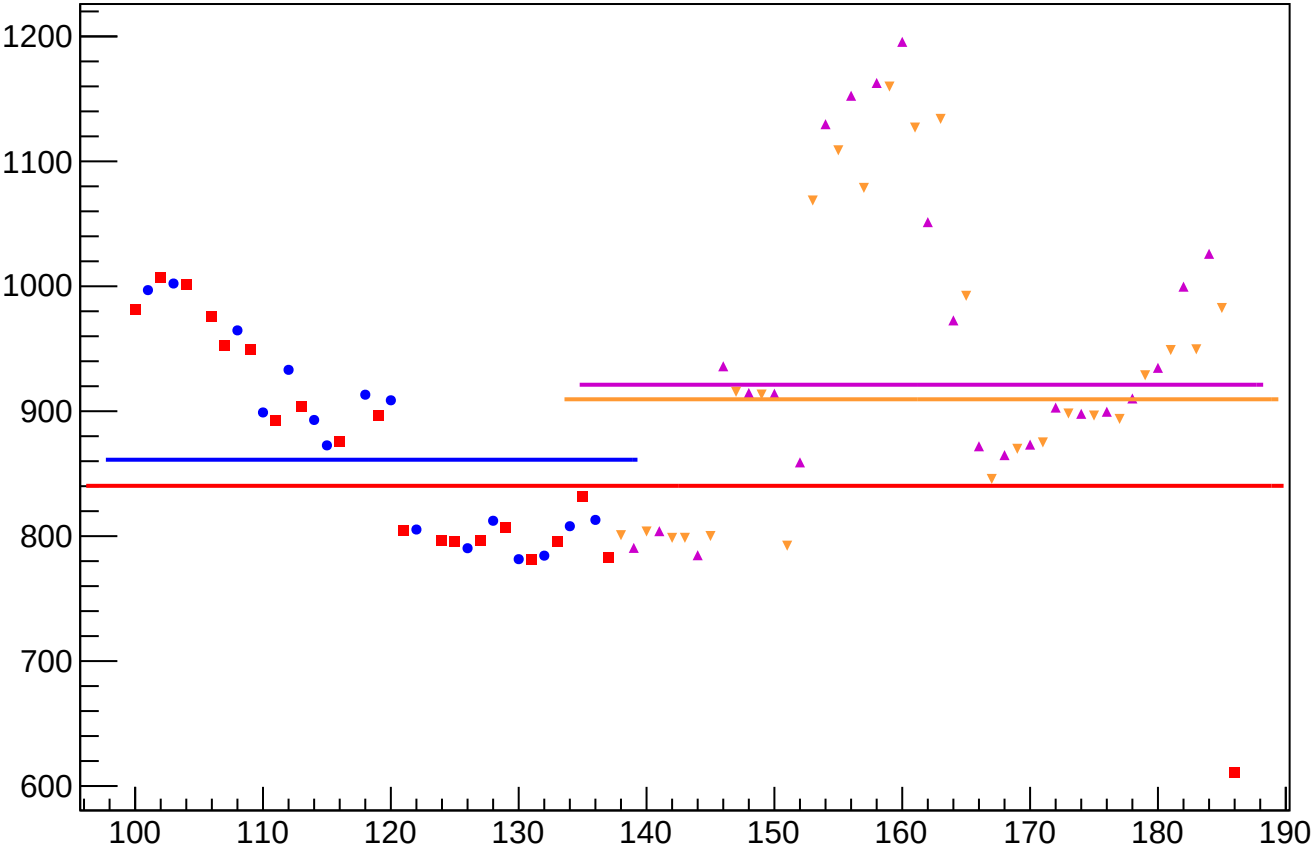
Right: -13.073+/-0.220 χ^2/NDF: 11145.6/35

In: 6.674+/-0.180 χ^2/NDF:11199.2/38

Out: 14.094+/-0.171 χ^2/NDF:28733.6/44

All: 10.564+/-0.124 χ^2/NDF: 40824.6/83

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

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

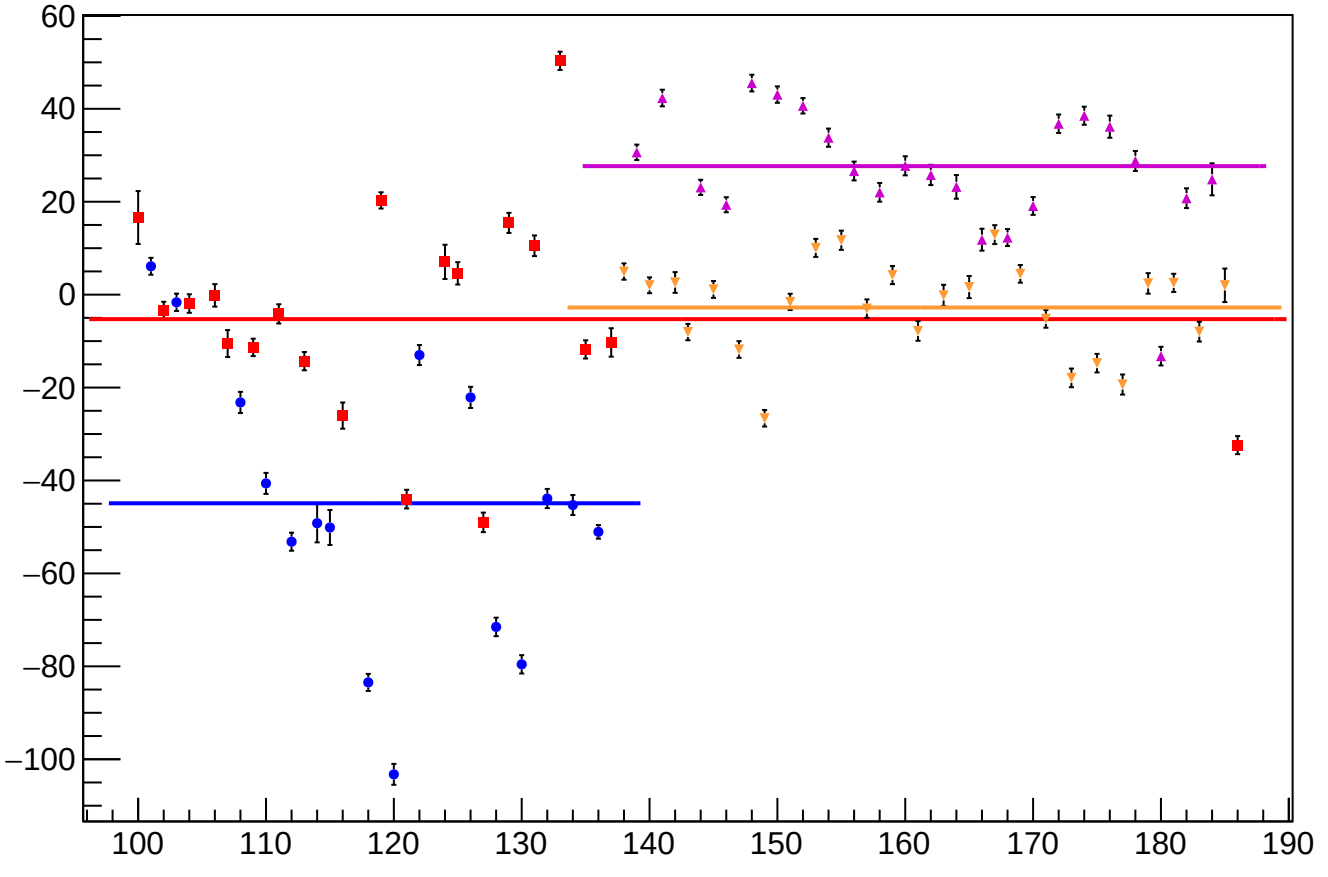
Right: 850.039+/-0.155 χ^2/NDF: 366717.6/35

In: 902.370+/-0.127 χ^2/NDF:658814.0/38

Out: 887.053+/-0.121 χ^2/NDF:862049.4/44

All: 894.341+/-0.088 χ^2/NDF: 1528464.7/83

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

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

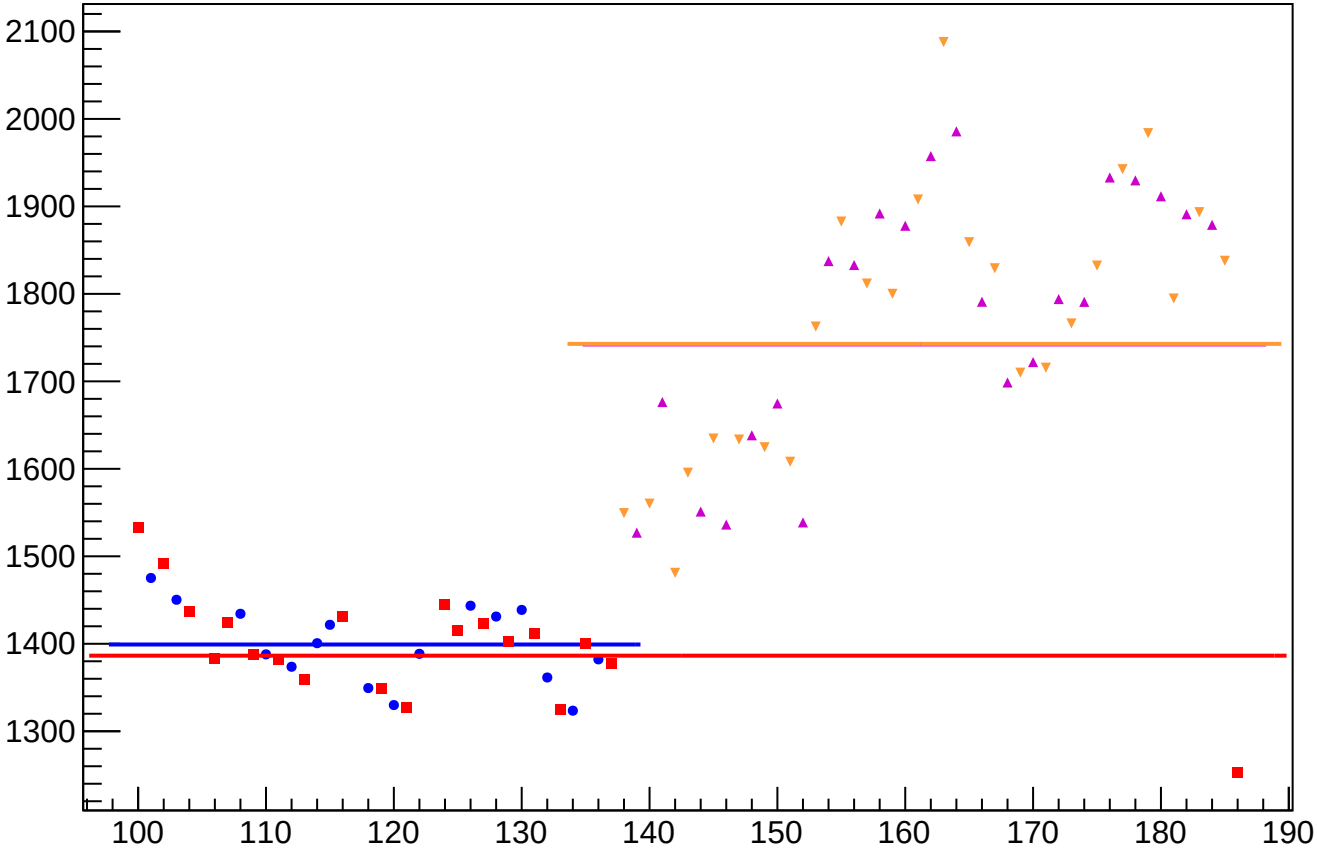
Right: -24.019+/-0.358 χ^2/NDF: 8749.5/35

In: -0.056+/-0.321 χ^2/NDF:16408.3/38

Out: -3.754+/-0.309 χ^2/NDF:2941.1/44

All: -1.976+/-0.223 χ^2/NDF: 19418.2/83

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

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

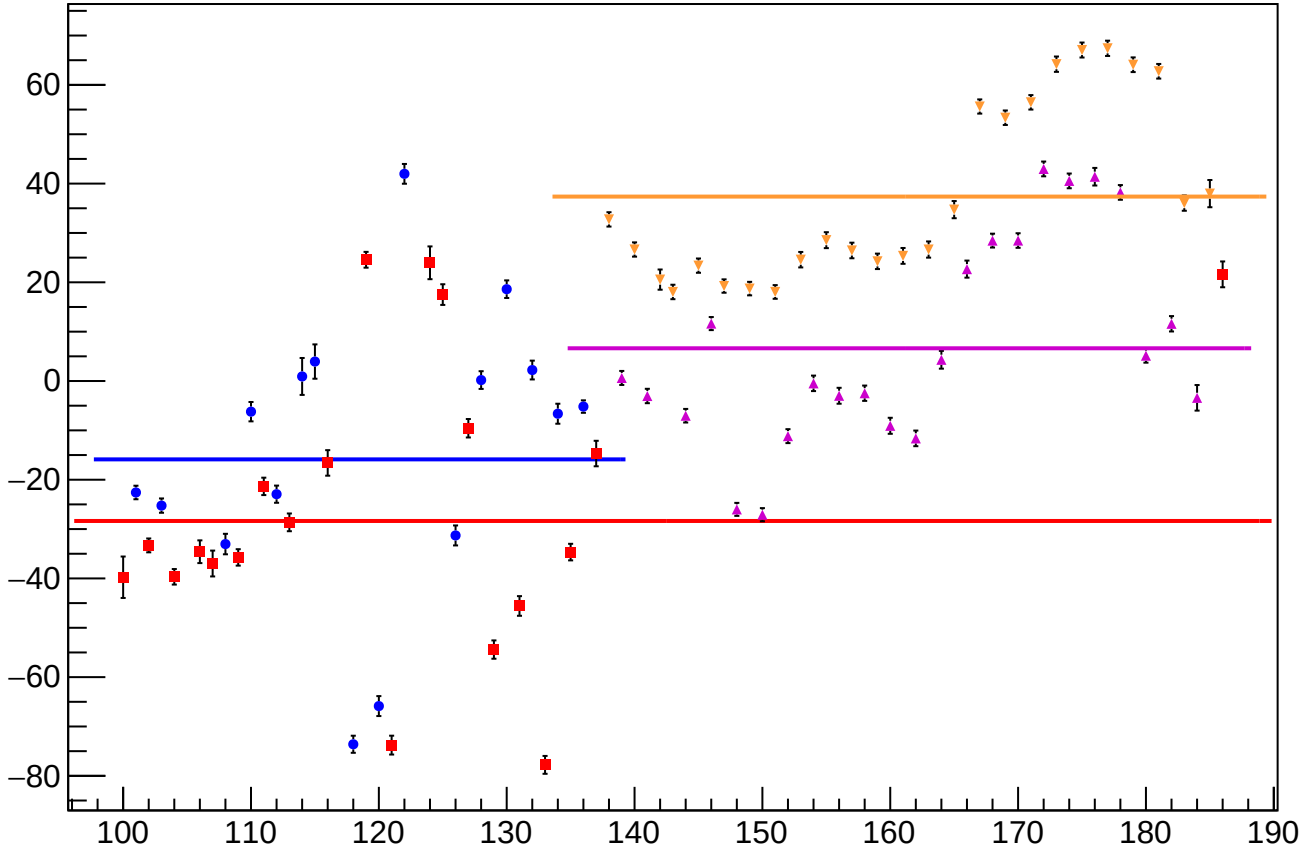
Right: 1392.446+/-0.253 χ^2/NDF: 41787.3/35

In: 1611.143+/-0.227 χ^2/NDF:814399.6/38

Out: 1602.315+/-0.219 χ^2/NDF:923721.8/44

All: 1606.561+/-0.158 χ^2/NDF: 1738905.0/83

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

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

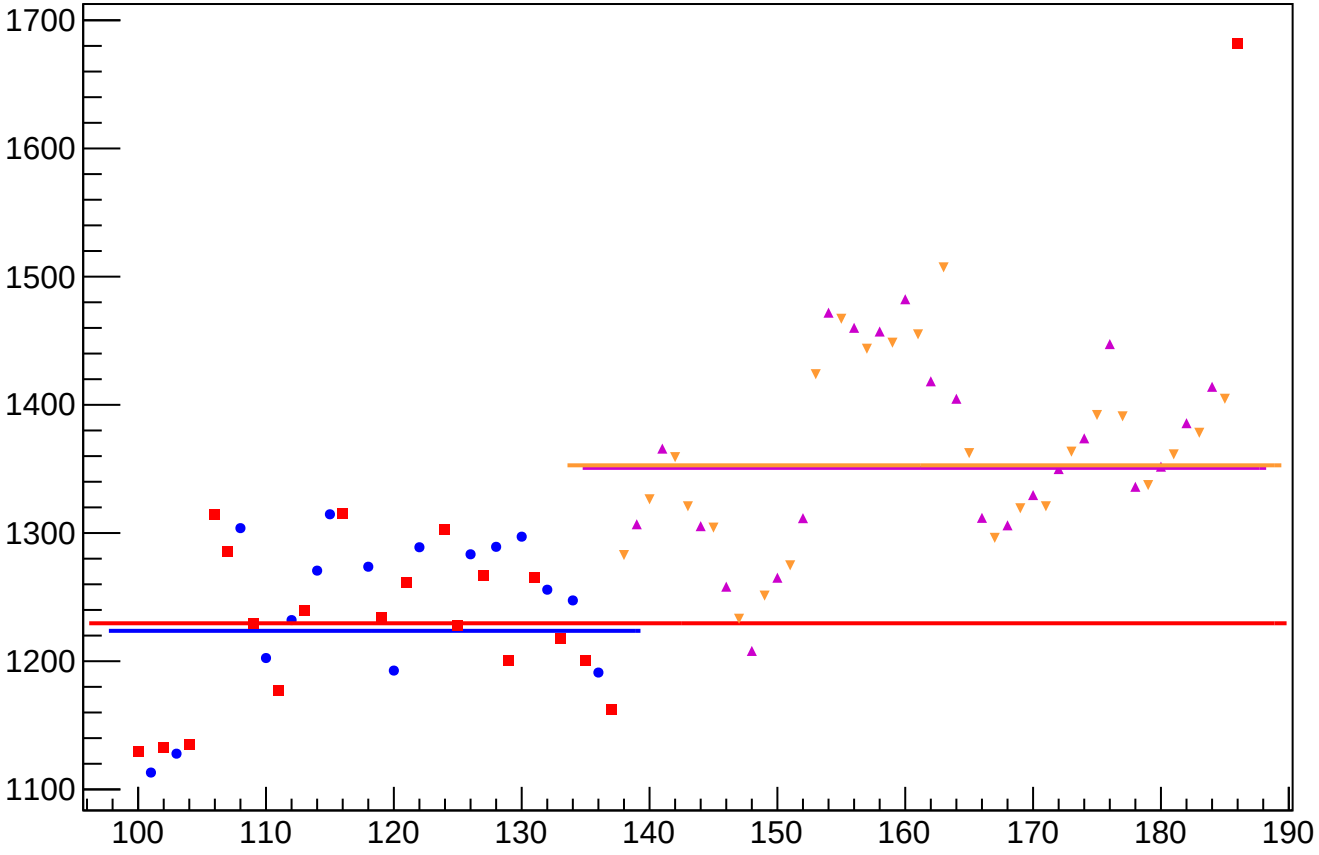
Right: -22.358+/-0.316 χ^2/NDF: 7924.7/35

In: -0.690+/-0.260 χ^2/NDF:9537.7/38

Out: 15.640+/-0.252 χ^2/NDF:22520.9/44

All: 7.722+/-0.181 χ^2/NDF: 34096.4/83

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

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

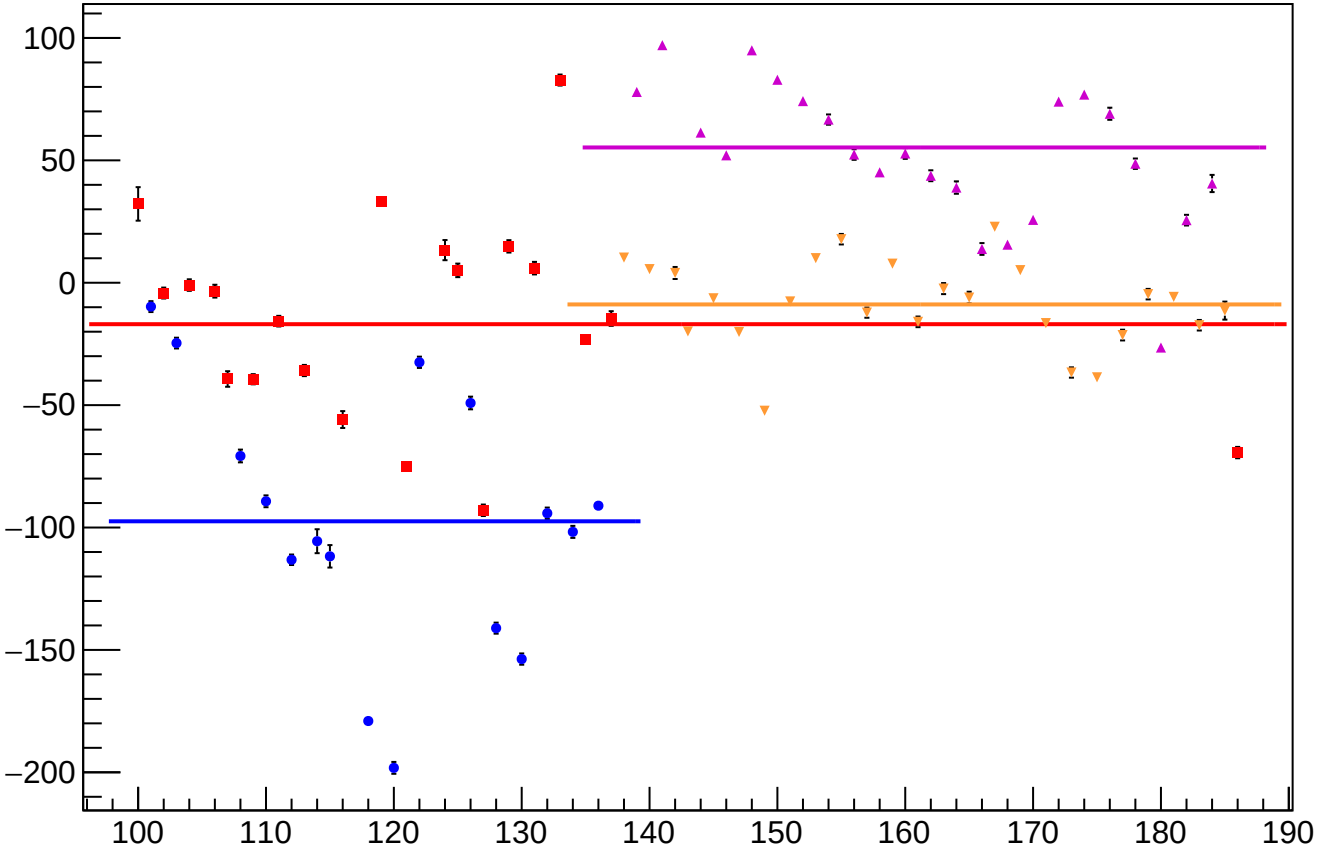
Right: 1226.763+/-0.223 χ^2/NDF: 132064.3/35

In: 1309.480+/-0.184 χ^2/NDF:254737.7/38

Out: 1312.083+/-0.178 χ^2/NDF:301774.6/44

All: 1310.821+/-0.128 χ^2/NDF: 556615.9/83

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

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

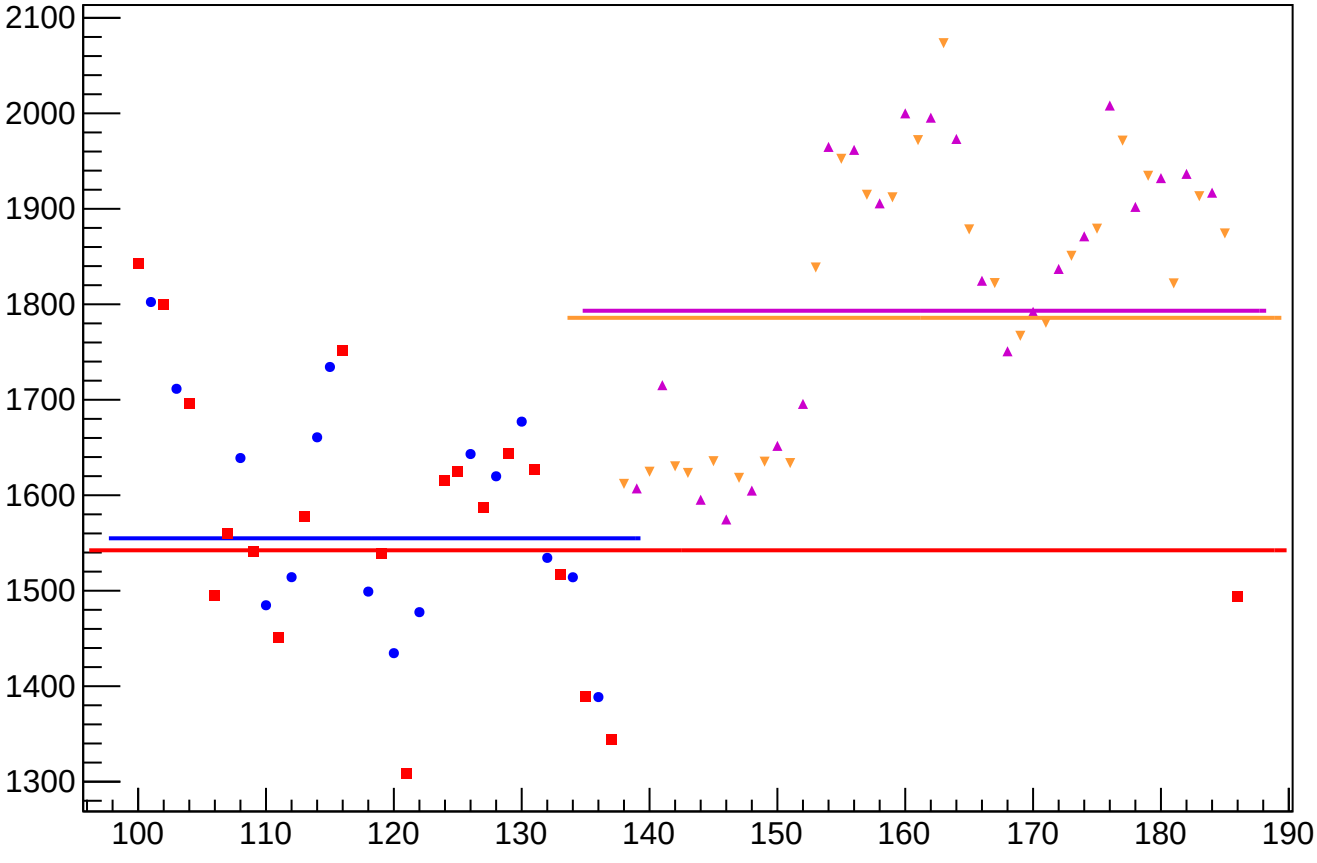
Right: -55.067+/-0.399 χ^2/NDF: 24360.0/35

In: 2.584+/-0.340 χ^2/NDF:58543.4/38

Out: -11.720+/-0.327 χ^2/NDF:7985.3/44

All: -4.850+/-0.236 χ^2/NDF: 67446.8/83

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

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

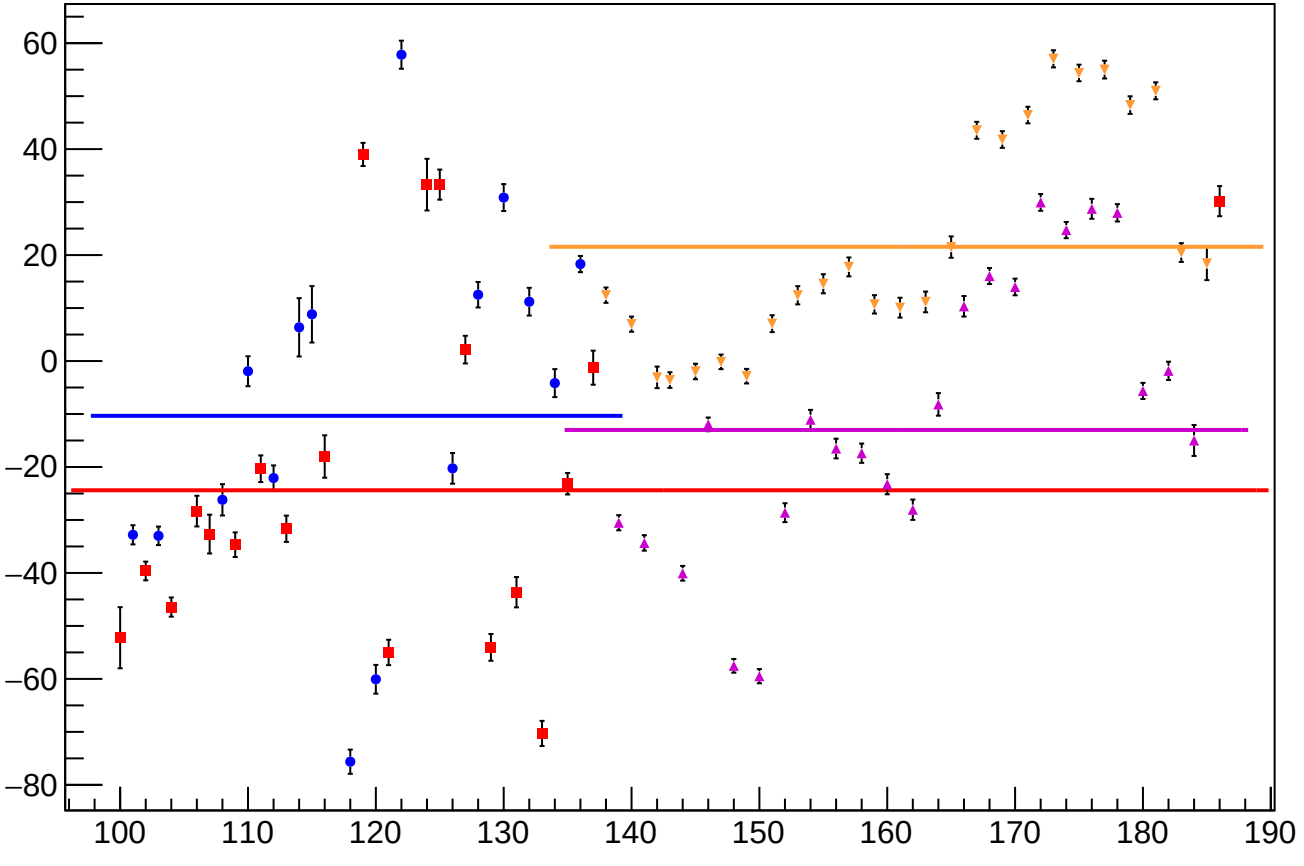
Right: 1548.292+/-0.282 χ^2/NDF: 198142.3/35

In: 1711.032+/-0.241 χ^2/NDF:562377.3/38

Out: 1699.546+/-0.231 χ^2/NDF:600428.1/44

All: 1705.063+/-0.167 χ^2/NDF: 1163989.1/83

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

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

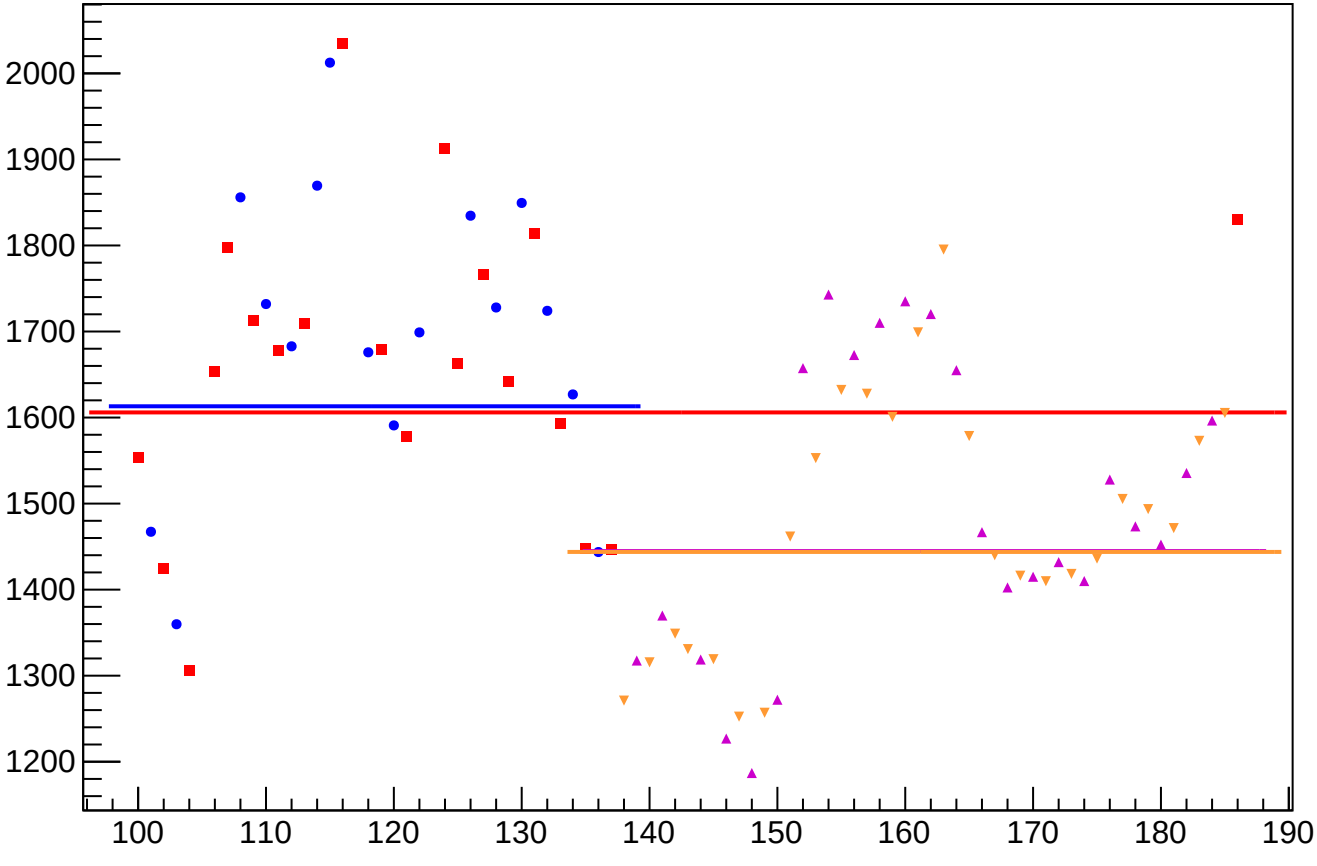
Right: -17.714+/-0.416 χ^2/NDF: 6215.2/35

In: -12.370+/-0.296 χ^2/NDF:9649.1/38

Out: 10.162+/-0.286 χ^2/NDF:11900.0/44

All: -0.712+/-0.206 χ^2/NDF: 24543.1/83

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

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

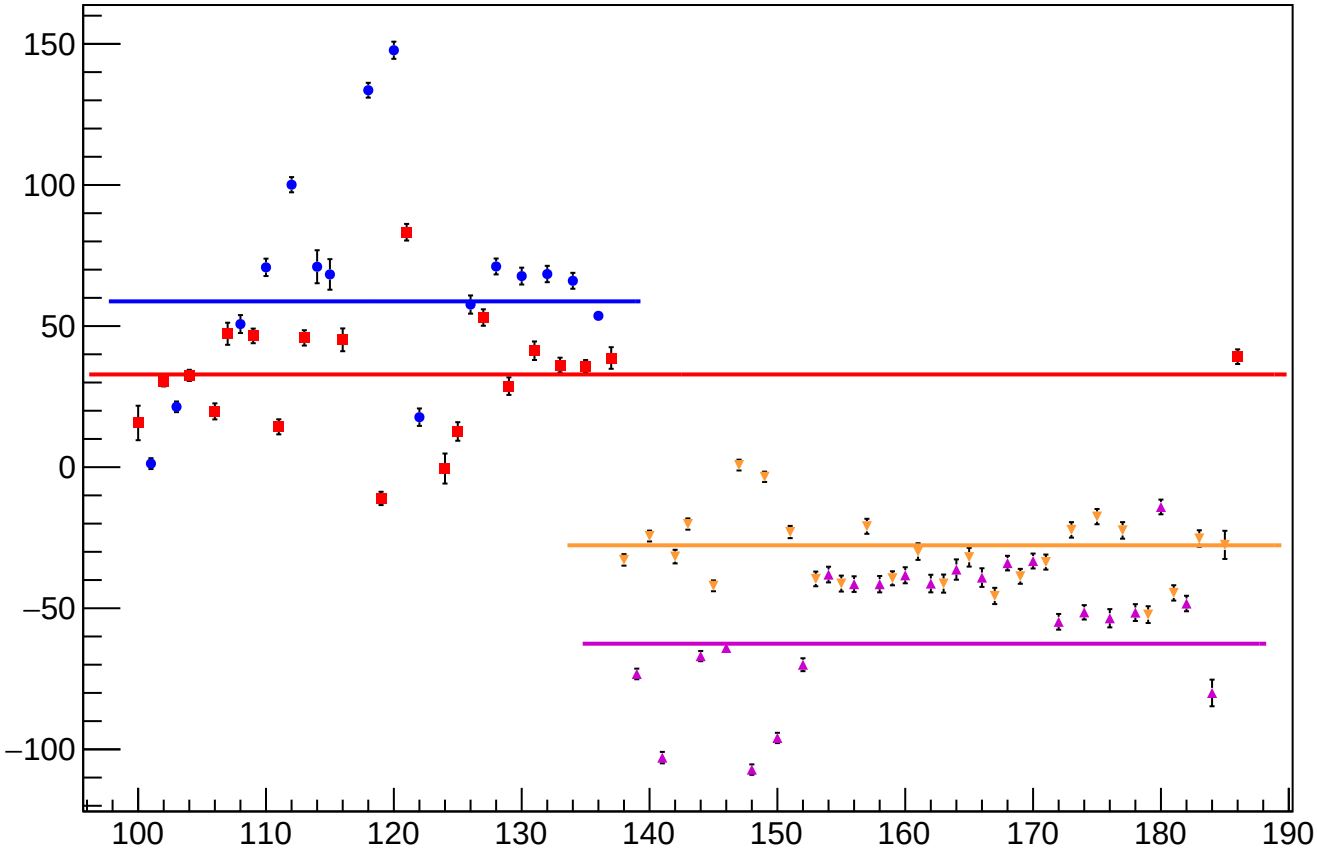
Right: 1609.352+/-0.294 χ^2/NDF: 328525.9/35

In: 1485.403+/-0.209 χ^2/NDF:758078.1/38

Out: 1484.055+/-0.202 χ^2/NDF:645913.3/44

All: 1484.706+/-0.146 χ^2/NDF: 1404012.8/83

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

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

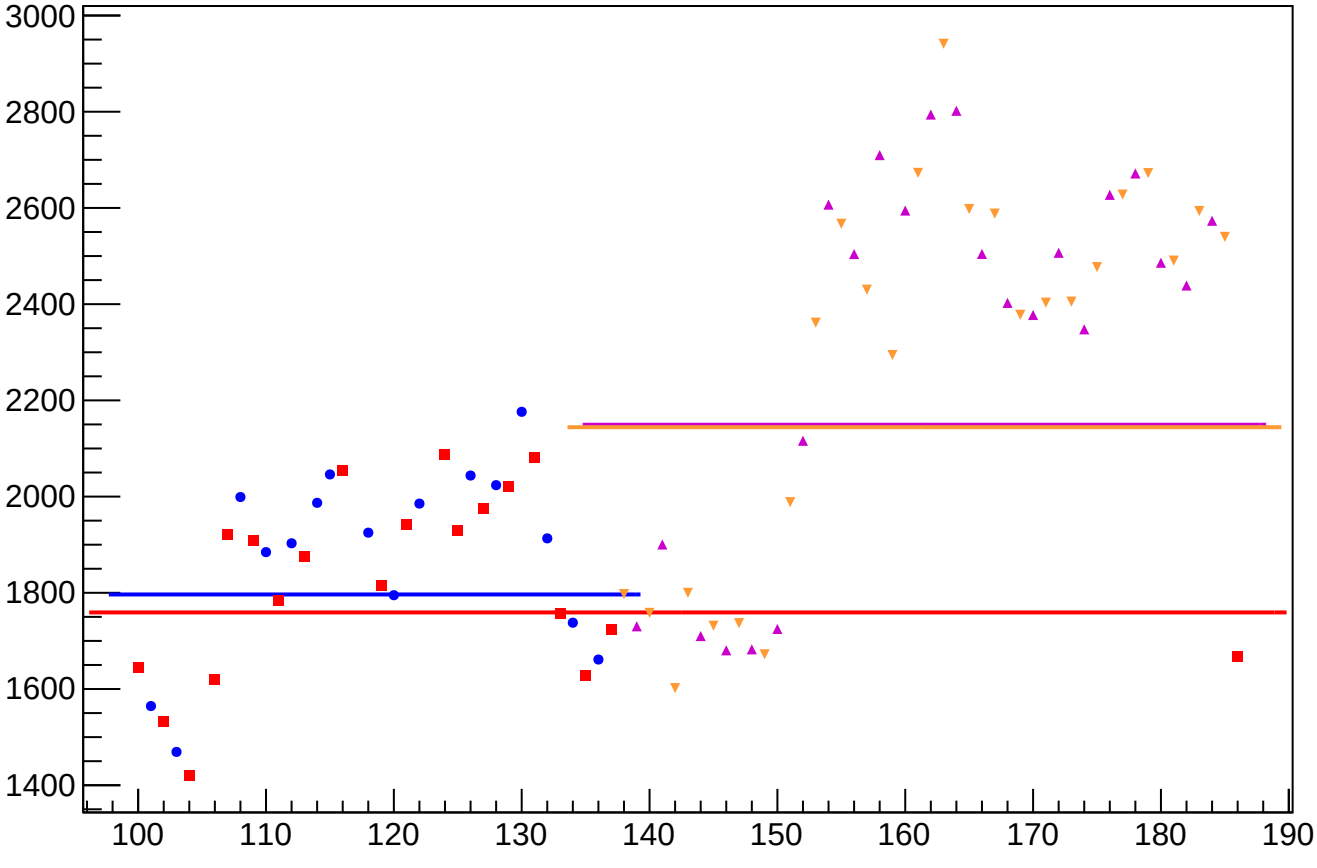
Right: 44.949+/-0.459 χ^2/NDF: 5171.6/35

In: -18.064+/-0.407 χ^2/NDF:26513.0/38

Out: -4.480+/-0.390 χ^2/NDF:7415.8/44

All: -10.970+/-0.281 χ^2/NDF: 34509.8/83

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

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

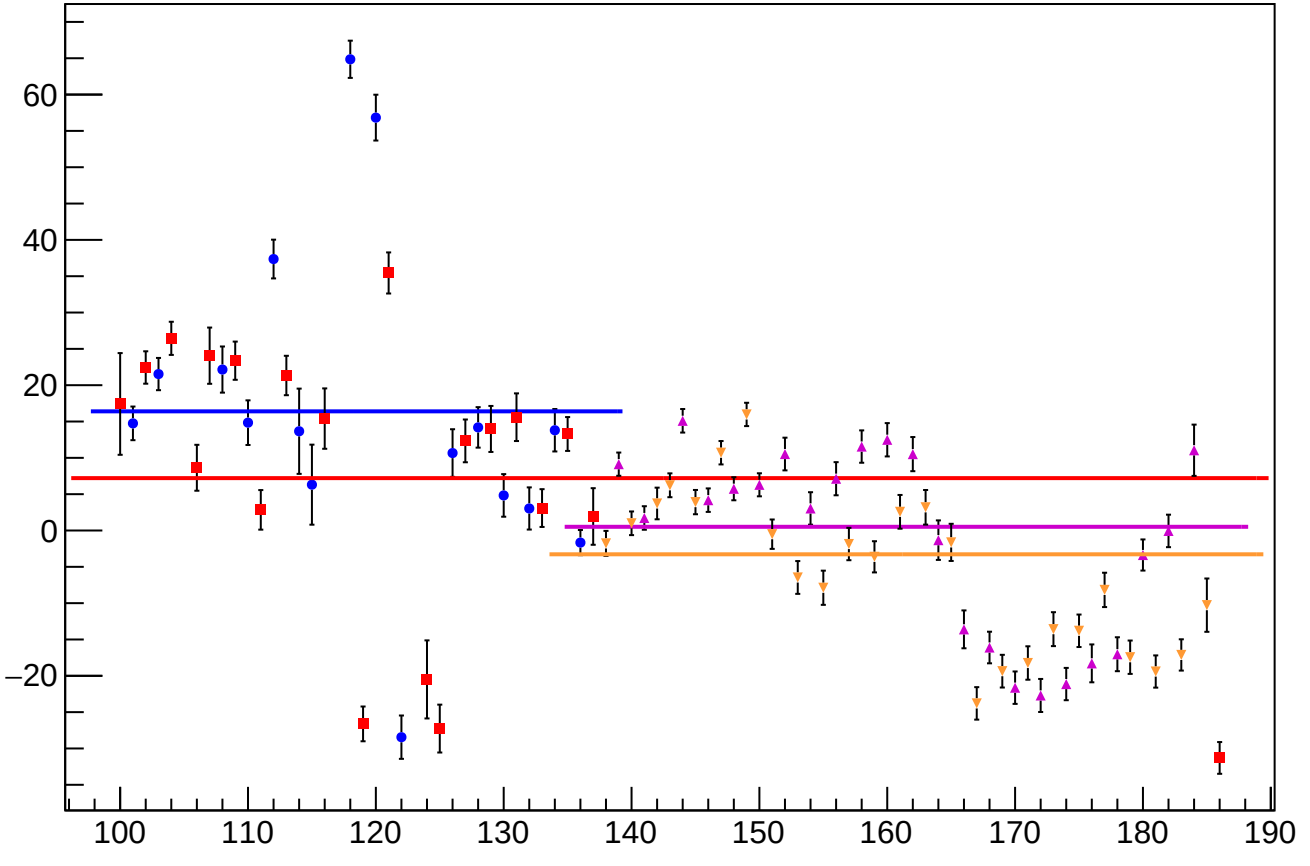
Right: 1776.640+/-0.325 χ^2/NDF: 389035.1/35

In: 2019.966+/-0.288 χ^2/NDF:1807504.8/38

Out: 1996.626+/-0.275 χ^2/NDF:1934334.0/44

All: 2007.777+/-0.199 χ^2/NDF: 3745269.5/83

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

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

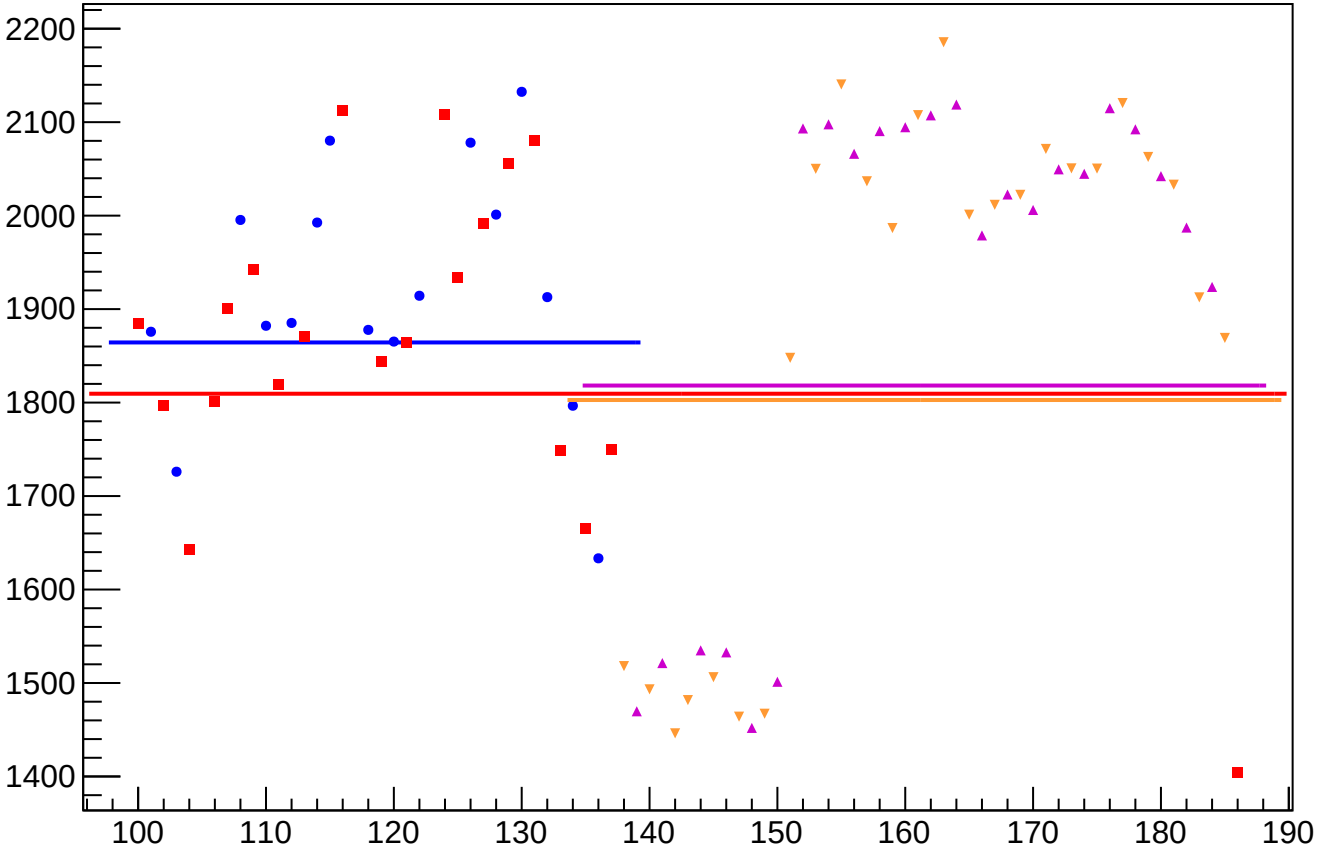
Right: 11.470+/-0.473 χ^2/NDF: 2049.0/35

In: 4.906+/-0.366 χ^2/NDF:2096.9/38

Out: -0.216+/-0.349 χ^2/NDF:1839.8/44

All: 2.226+/-0.252 χ^2/NDF: 4039.5/83

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

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

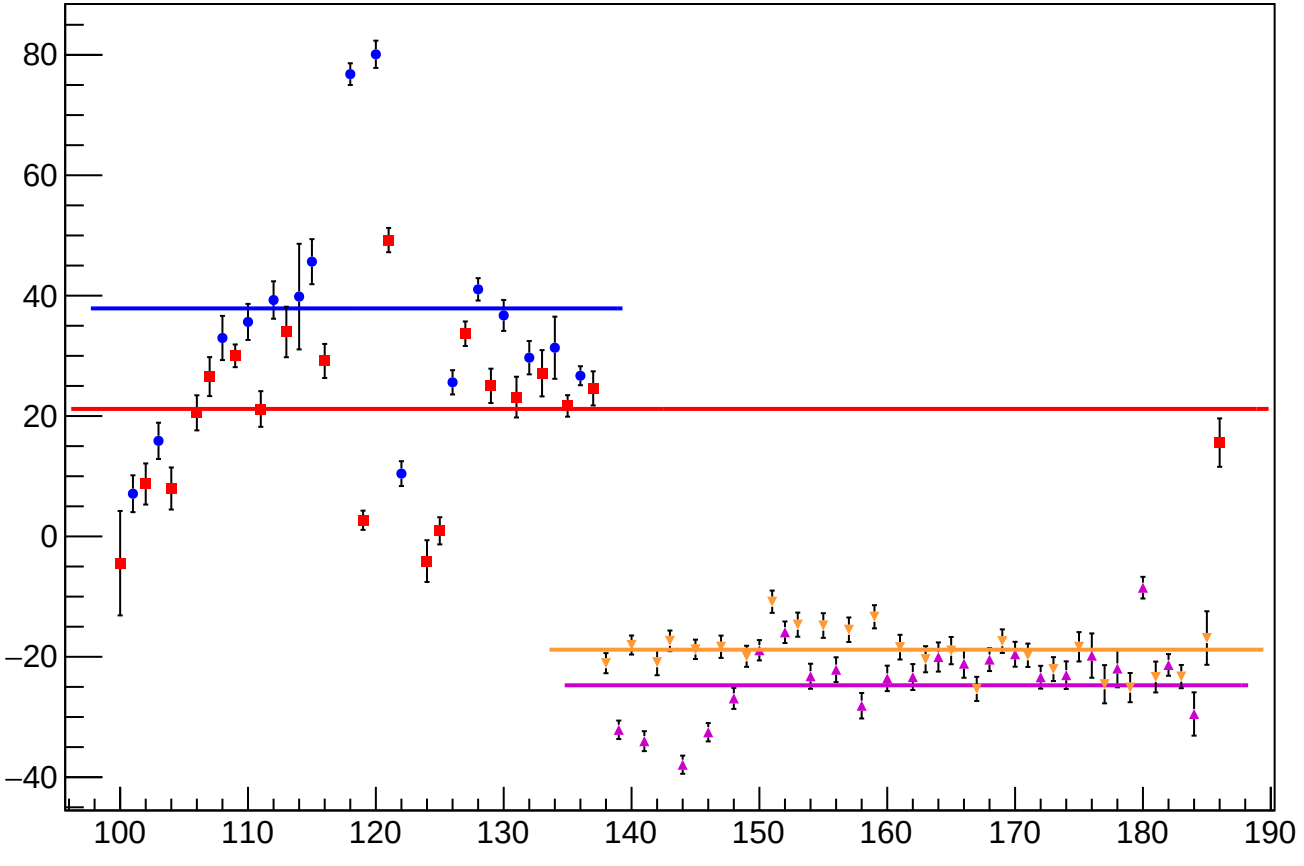
Right: 1834.905+/-0.335 χ^2/NDF: 240290.6/35

In: 1830.981+/-0.258 χ^2/NDF:930032.9/38

Out: 1804.711+/-0.247 χ^2/NDF:1047822.0/44

All: 1817.237+/-0.178 χ^2/NDF: 1983259.7/83

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

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

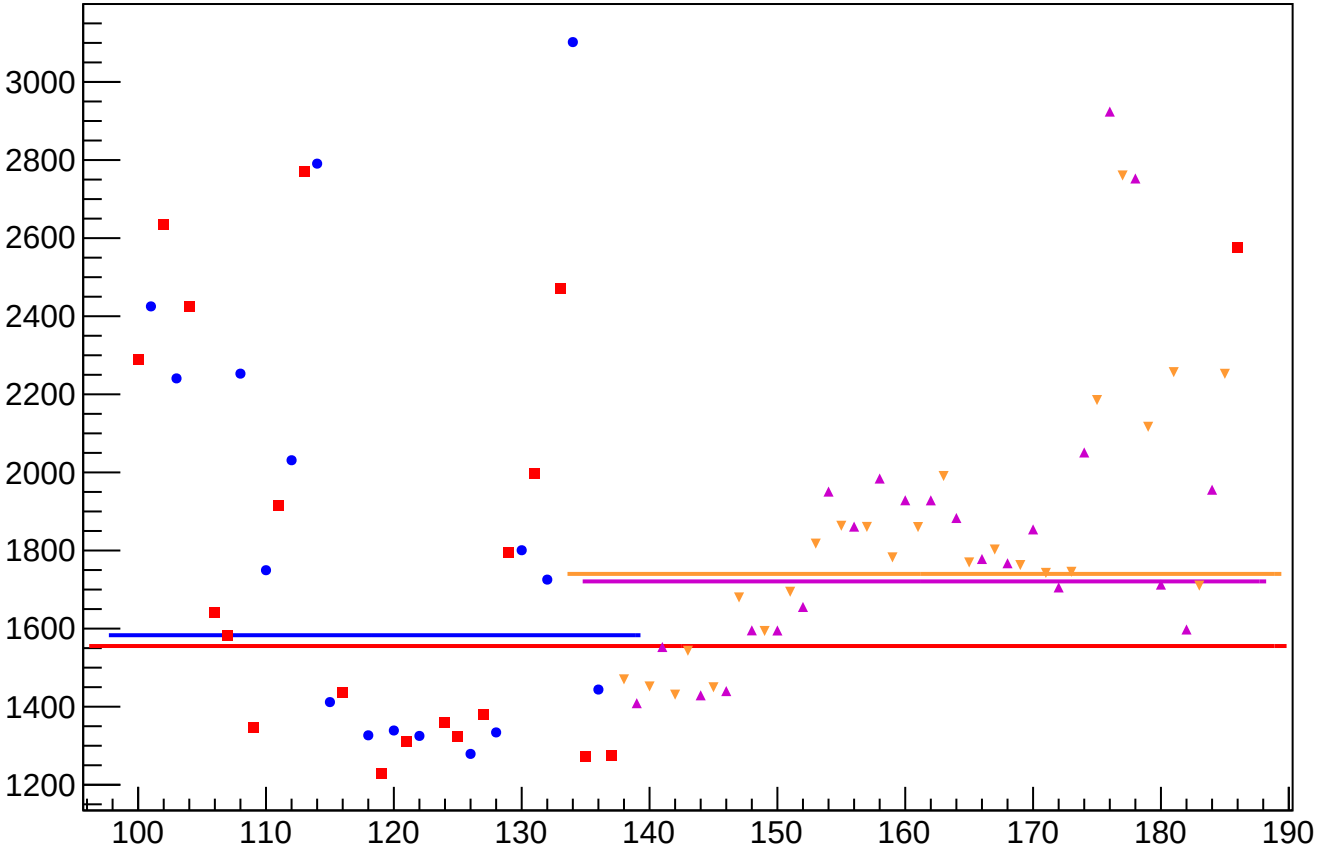
Right: 29.039+/-0.427 χ^2/NDF: 2215.5/35

In: -5.861+/-0.342 χ^2/NDF:8628.5/38

Out: -6.036+/-0.332 χ^2/NDF:3823.8/44

All: -5.951+/-0.238 χ^2/NDF: 12452.5/83

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

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

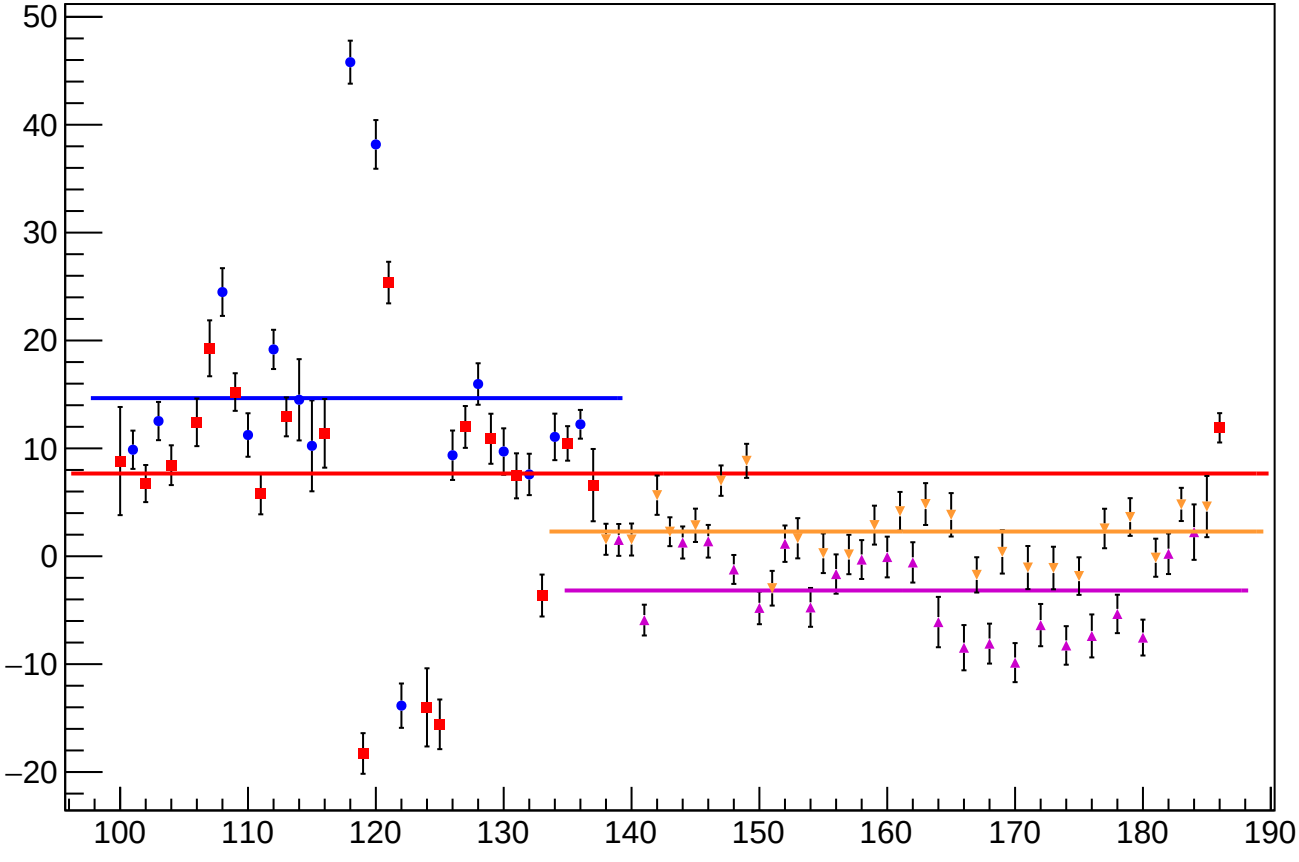
Right: 1568.397+/-0.302 χ^2/NDF: 1872158.5/35

In: 1679.330+/-0.242 χ^2/NDF:1740175.7/38

Out: 1681.077+/-0.234 χ^2/NDF:1970720.3/44

All: 1680.230+/-0.168 χ^2/NDF: 3710923.0/83

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

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

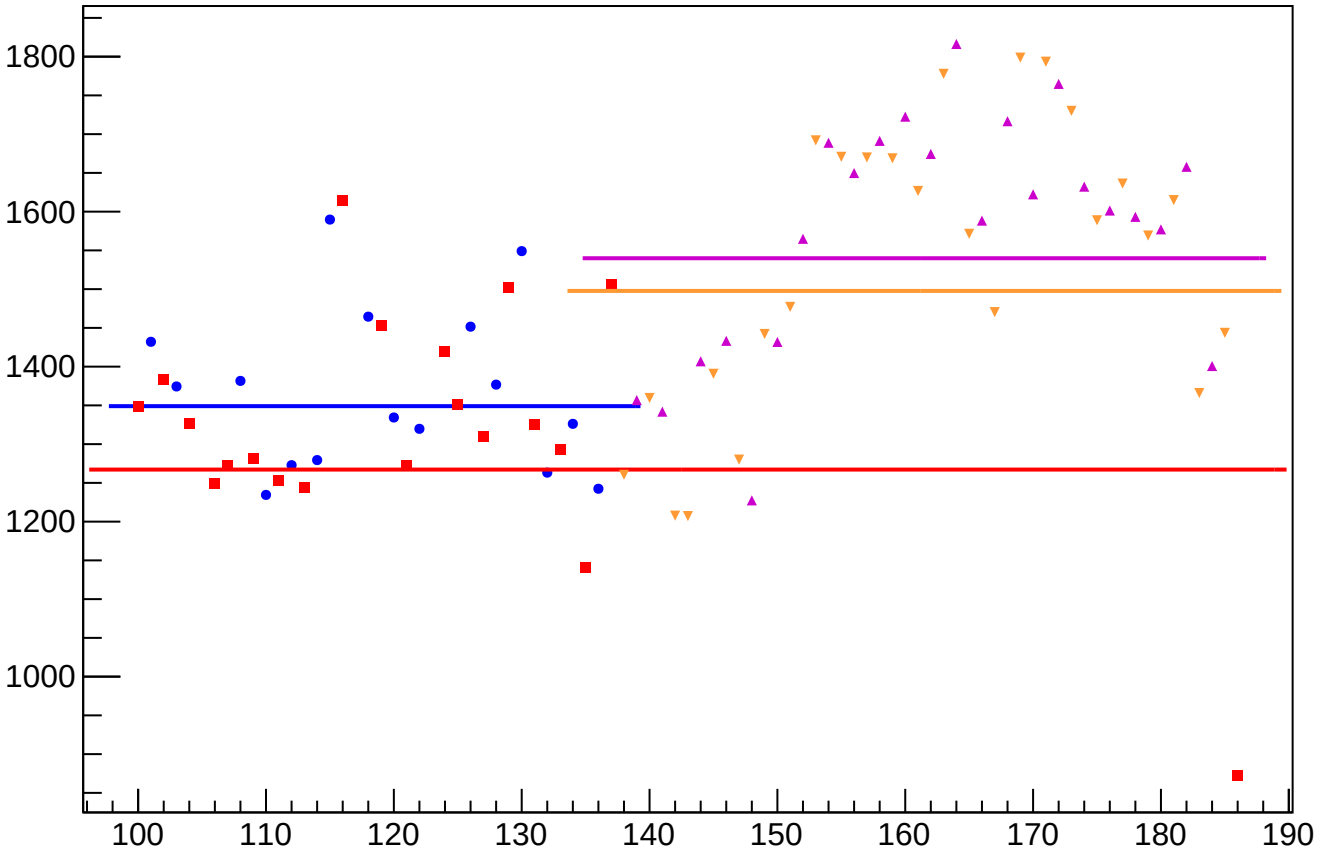
Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

Right: 10.806+/-0.338 χ^2/NDF: 1240.9/35

In: 2.897+/-0.294 χ^2/NDF:1549.1/38

Out: 4.243+/-0.274 χ^2/NDF:682.7/44

All: 3.618+/-0.201 χ^2/NDF: 2243.0/83



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

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

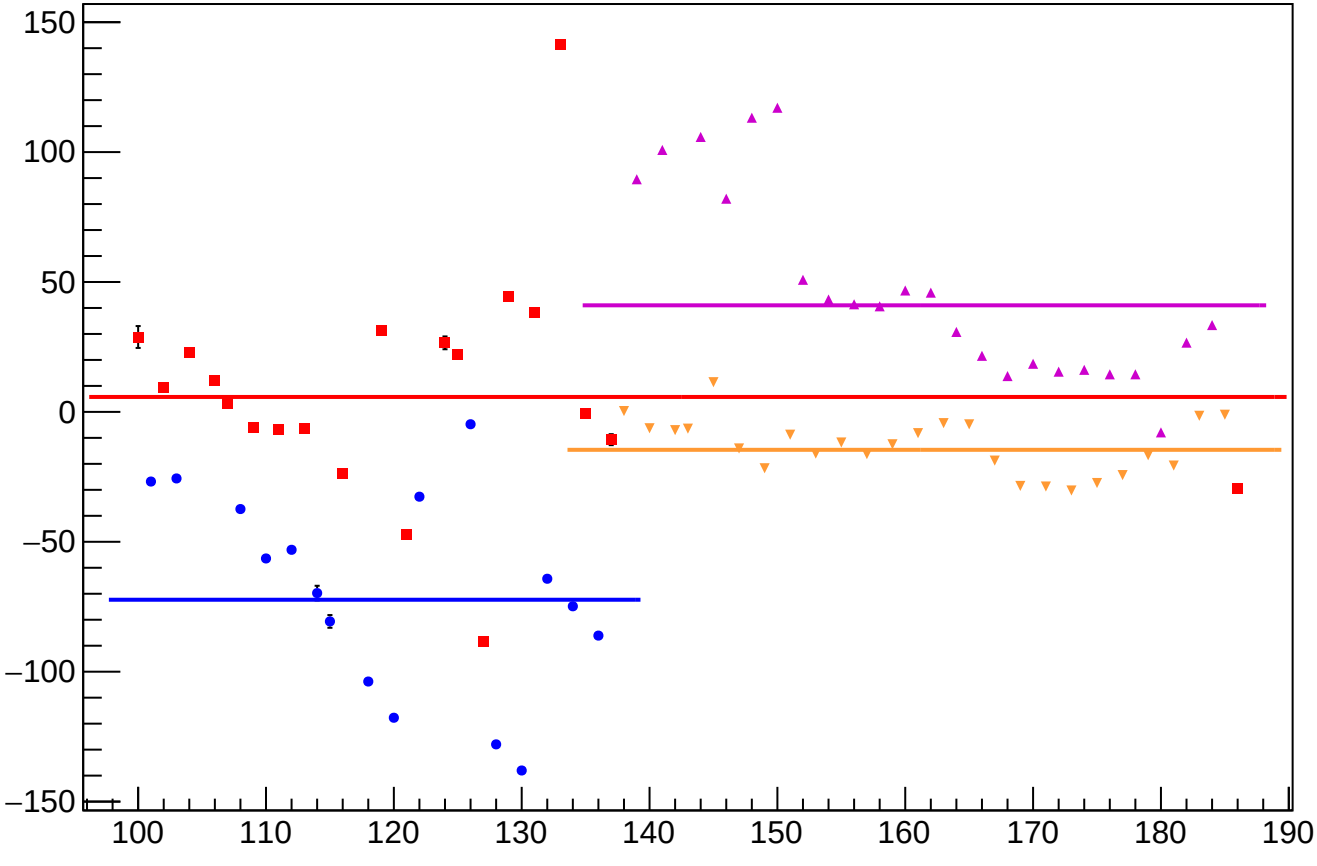
Right: 1303.904+/-0.239 χ^2/NDF: 373596.2/35

In: 1474.903+/-0.208 χ^2/NDF:637566.2/38

Out: 1414.096+/-0.194 χ^2/NDF:1171646.0/44

All: 1442.347+/-0.142 χ^2/NDF: 1854909.8/83

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

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

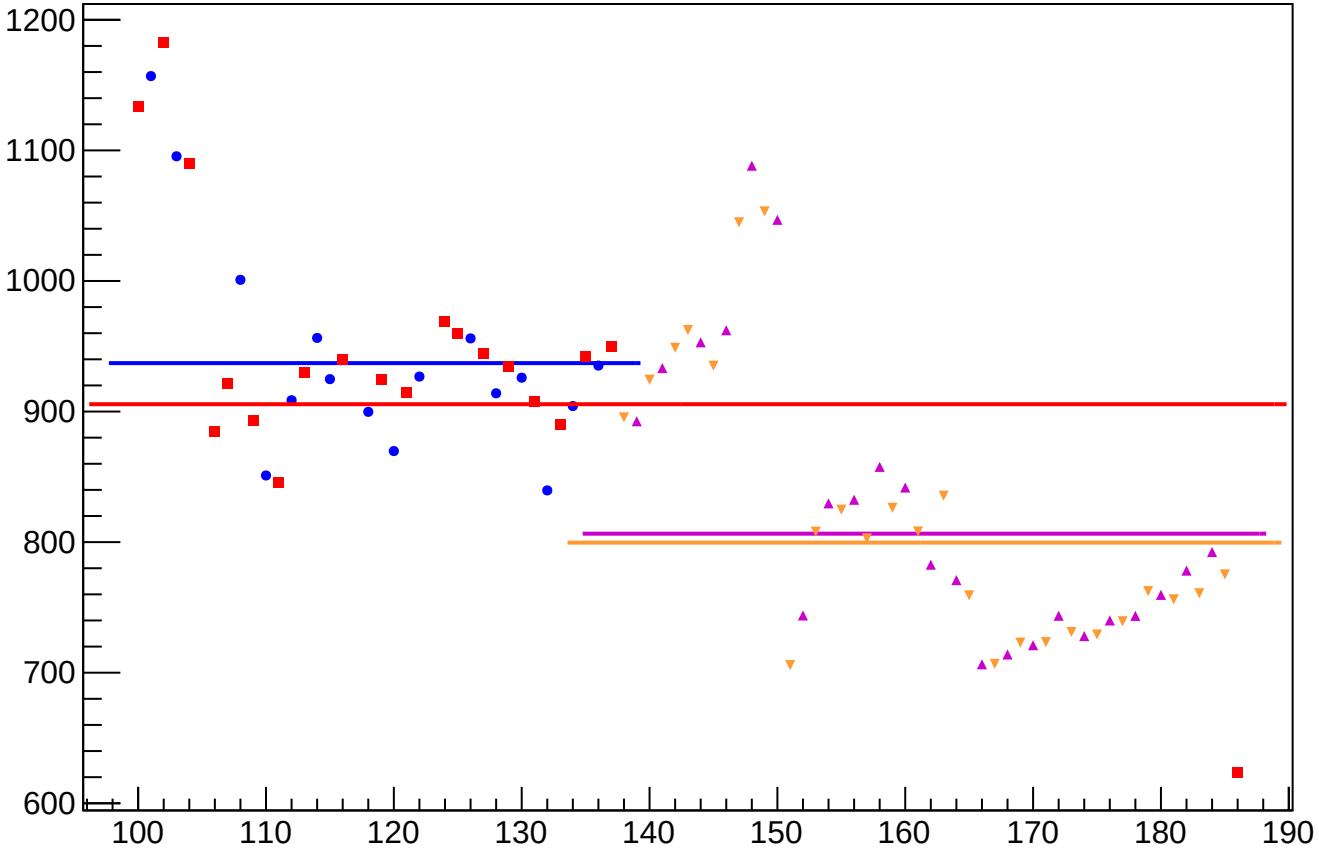
Right: -30.406+/-0.238 χ^2/NDF: 59458.2/35

In: 15.210+/-0.167 χ^2/NDF:124433.3/38

Out: -9.693+/-0.159 χ^2/NDF:26665.4/44

All: 2.194+/-0.115 χ^2/NDF: 162752.7/83

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

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

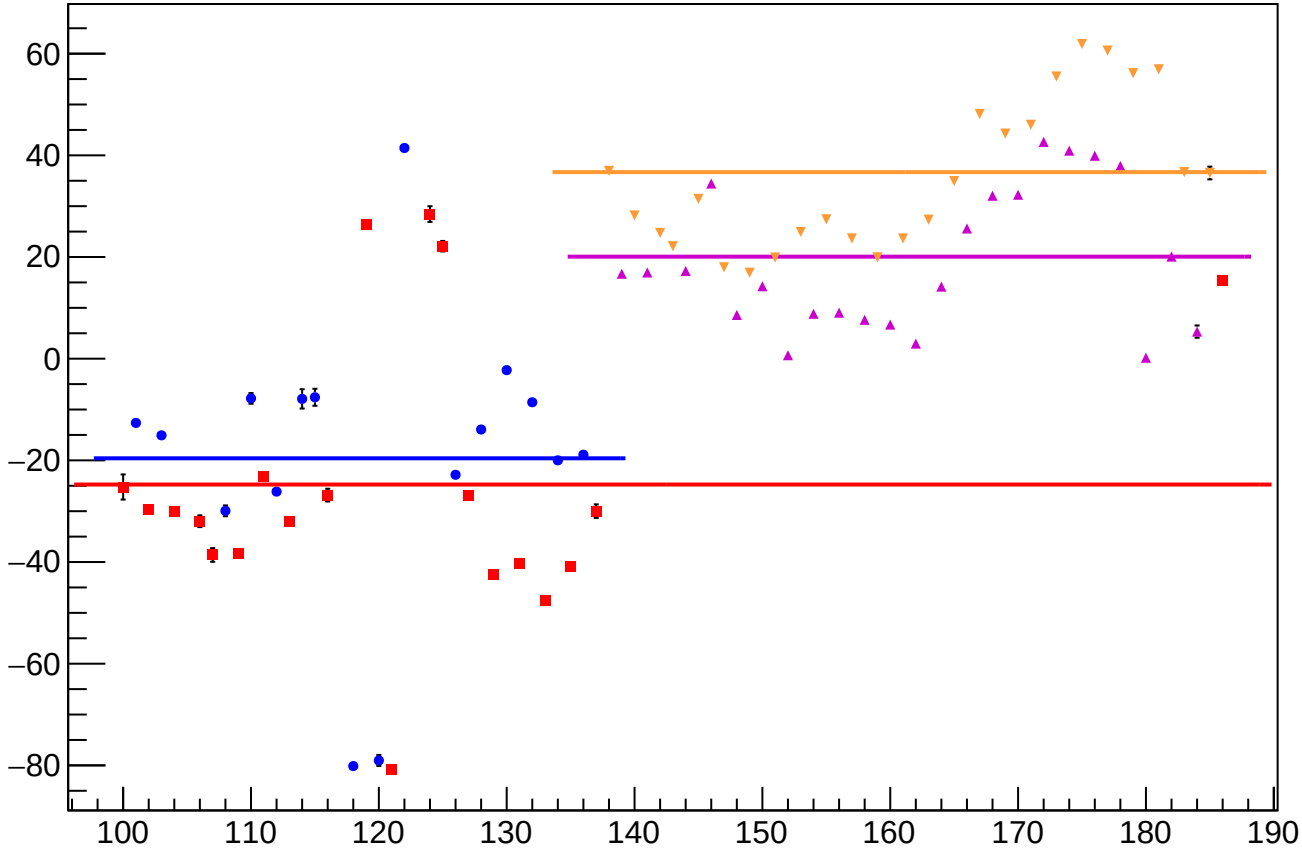
Right: 920.201+/-0.168 χ^2/NDF: 405721.1/35

In: 836.228+/-0.118 χ^2/NDF:831735.8/38

Out: 825.185+/-0.113 χ^2/NDF:951568.5/44

All: 830.456+/-0.081 χ^2/NDF: 1787887.0/83

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

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

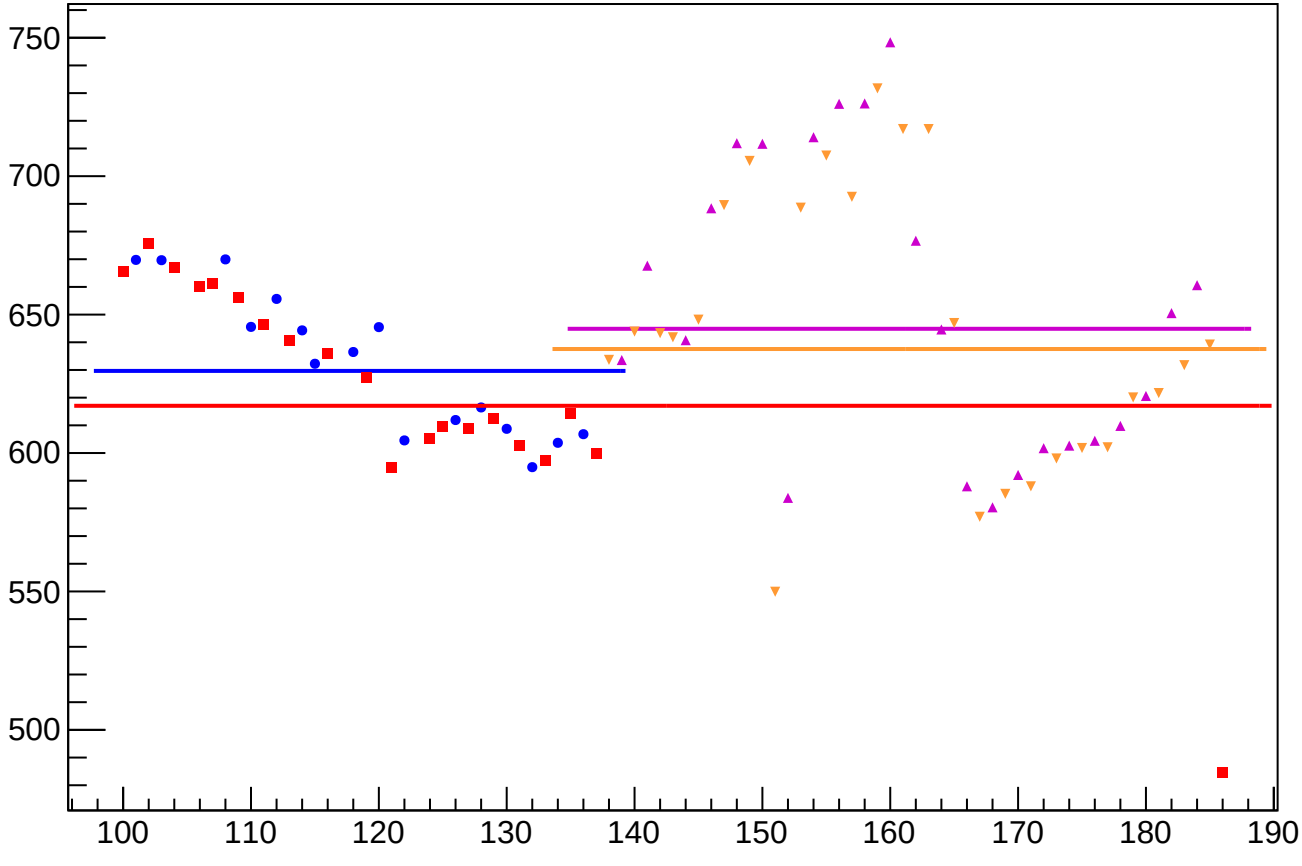
Right: -22.340+/-0.160 χ^2/NDF: 29516.3/35

In: 8.386+/-0.127 χ^2/NDF:41992.5/38

Out: 17.979+/-0.121 χ^2/NDF:80738.9/44

All: 13.405+/-0.088 χ^2/NDF: 125715.0/83

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

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

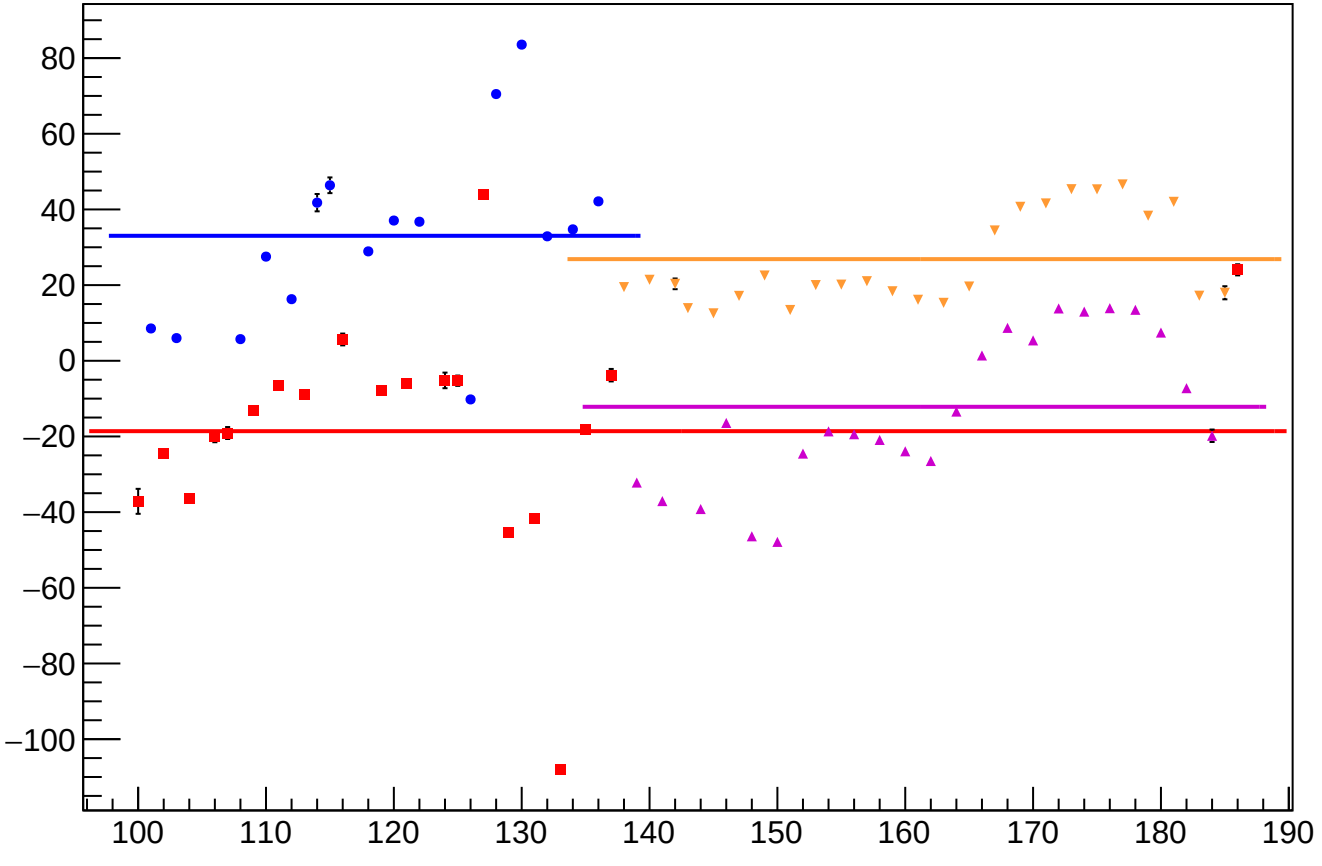
Right: 622.961+/-0.113 χ^2/NDF: 122677.0/35

In: 640.392+/-0.090 χ^2/NDF:260836.1/38

Out: 631.320+/-0.086 χ^2/NDF:342939.8/44

All: 635.646+/-0.062 χ^2/NDF: 609112.4/83

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -18.600+/-0.281 χ^2/NDF: 12743.9/19

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

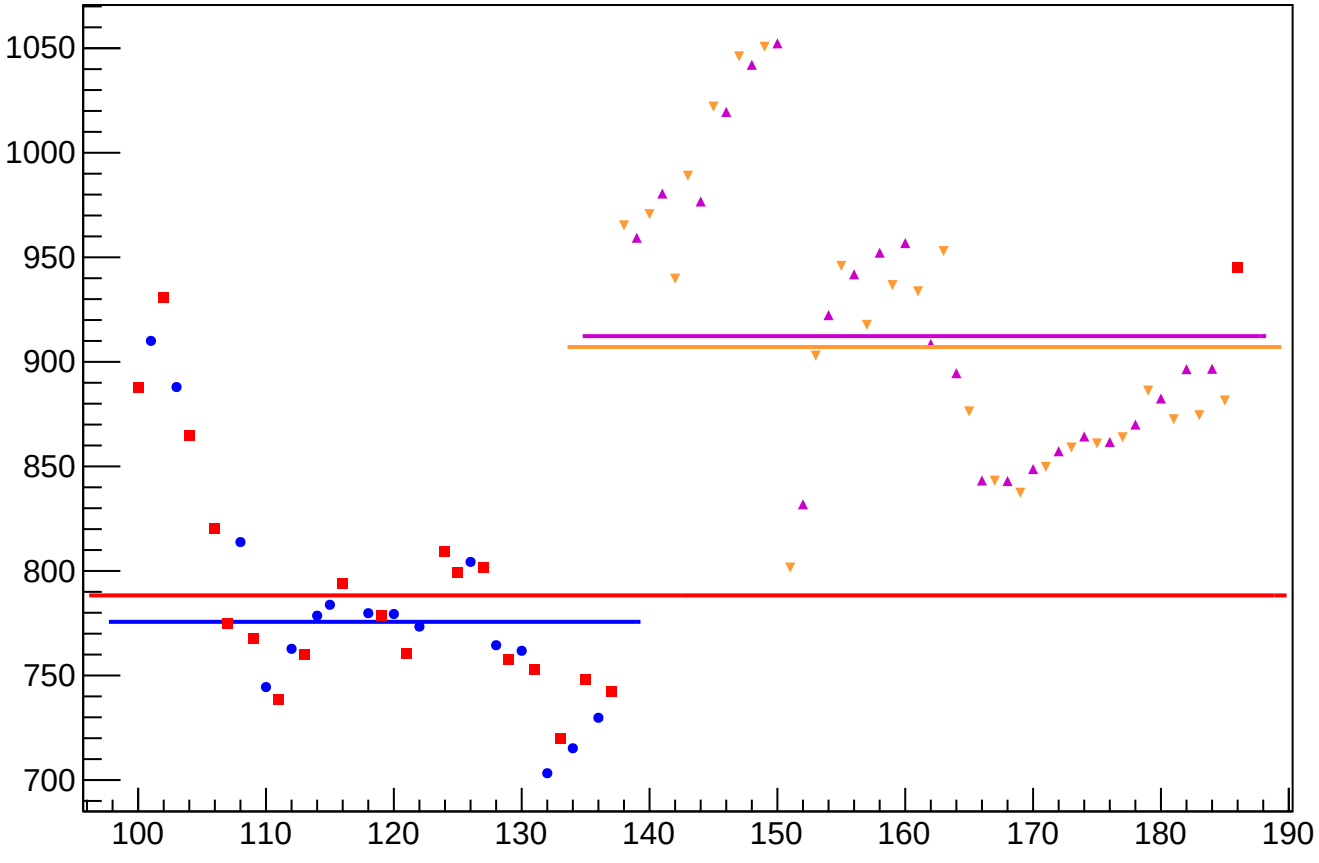
Right: 6.472+/-0.201 χ^2/NDF: 35874.8/35

In: 3.821+/-0.172 χ^2/NDF:31063.2/38

Out: 10.883+/-0.166 χ^2/NDF:33147.9/44

All: 7.464+/-0.120 χ^2/NDF: 65082.6/83

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

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

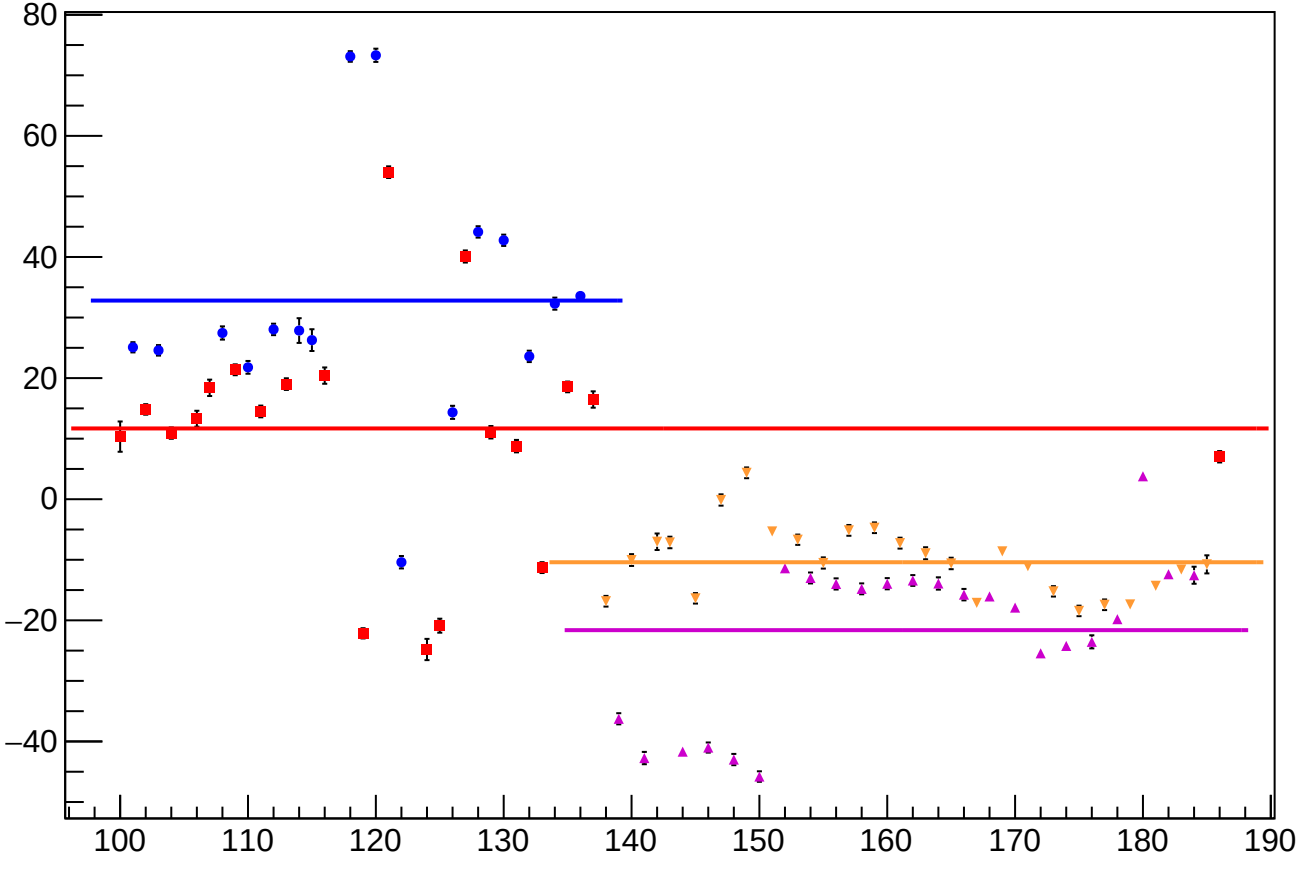
Right: 782.164+/-0.142 χ^2/NDF: 164849.7/35

In: 863.985+/-0.121 χ^2/NDF:538537.2/38

Out: 865.329+/-0.118 χ^2/NDF:515105.4/44

All: 864.678+/-0.085 χ^2/NDF: 1053705.7/83

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

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

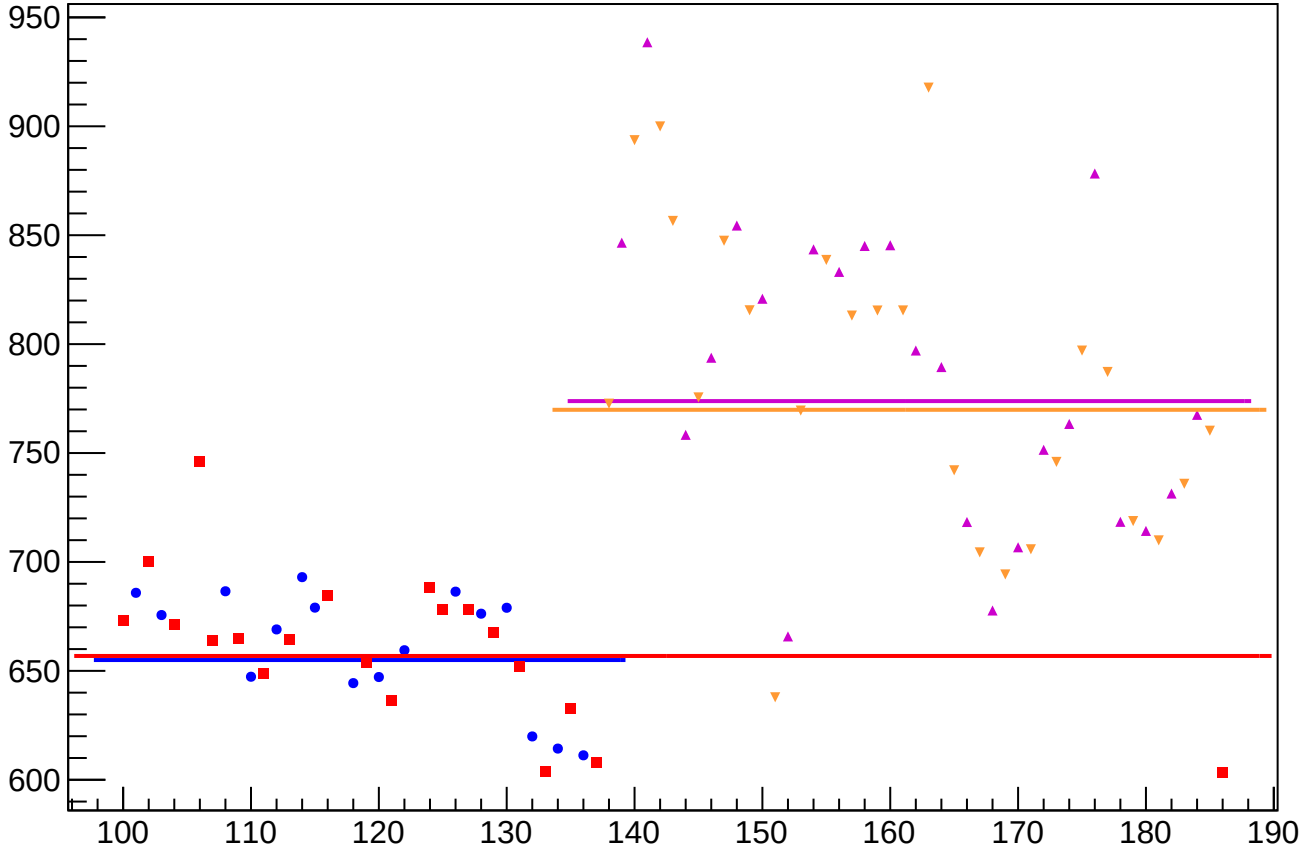
Right: 21.804+/-0.169 χ^2/NDF: 16762.3/35

In: -2.125+/-0.146 χ^2/NDF:43557.4/38

Out: -2.405+/-0.141 χ^2/NDF:13334.4/44

All: -2.270+/-0.101 χ^2/NDF: 56893.7/83

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

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

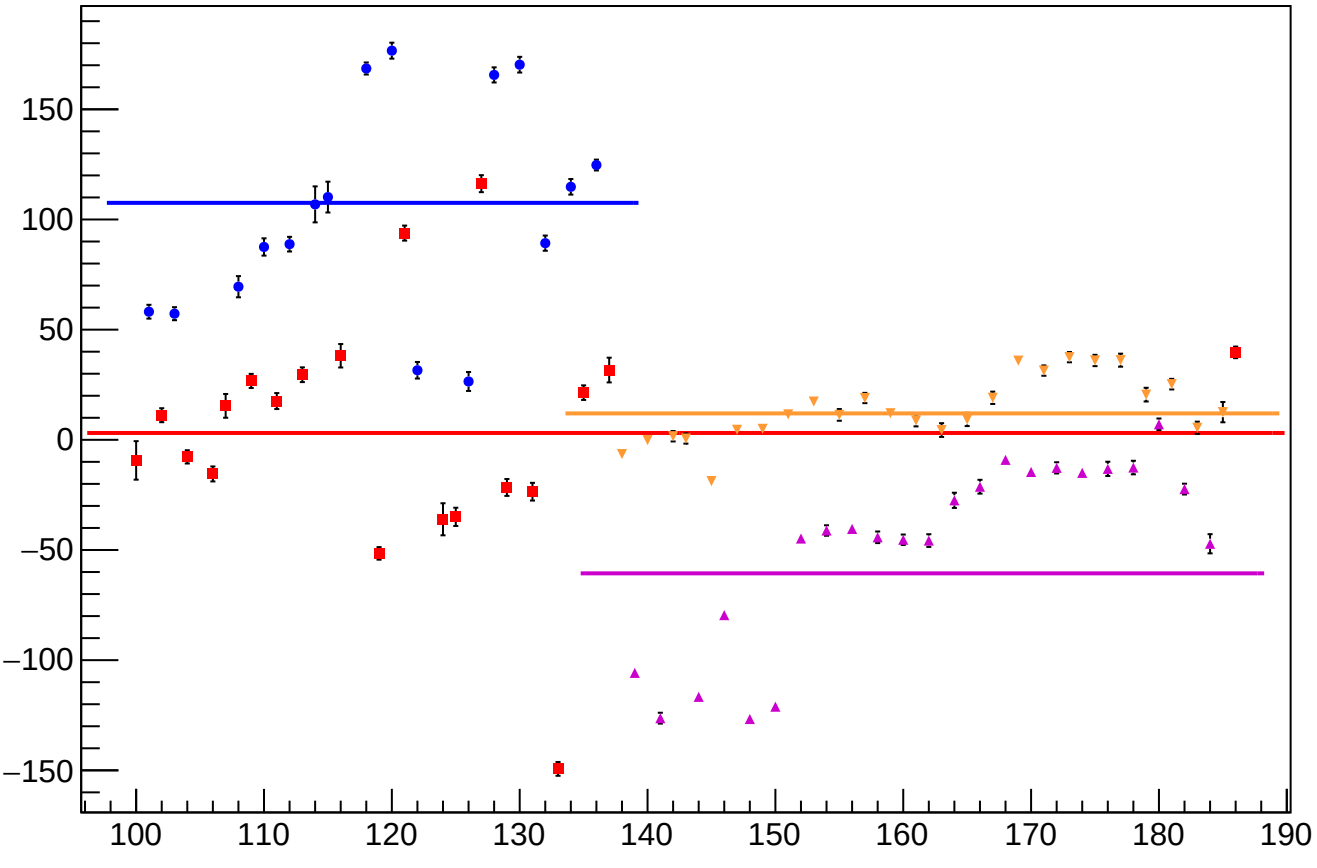
Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

Right: 655.944+/-0.119 χ^2/NDF: 64107.4/35

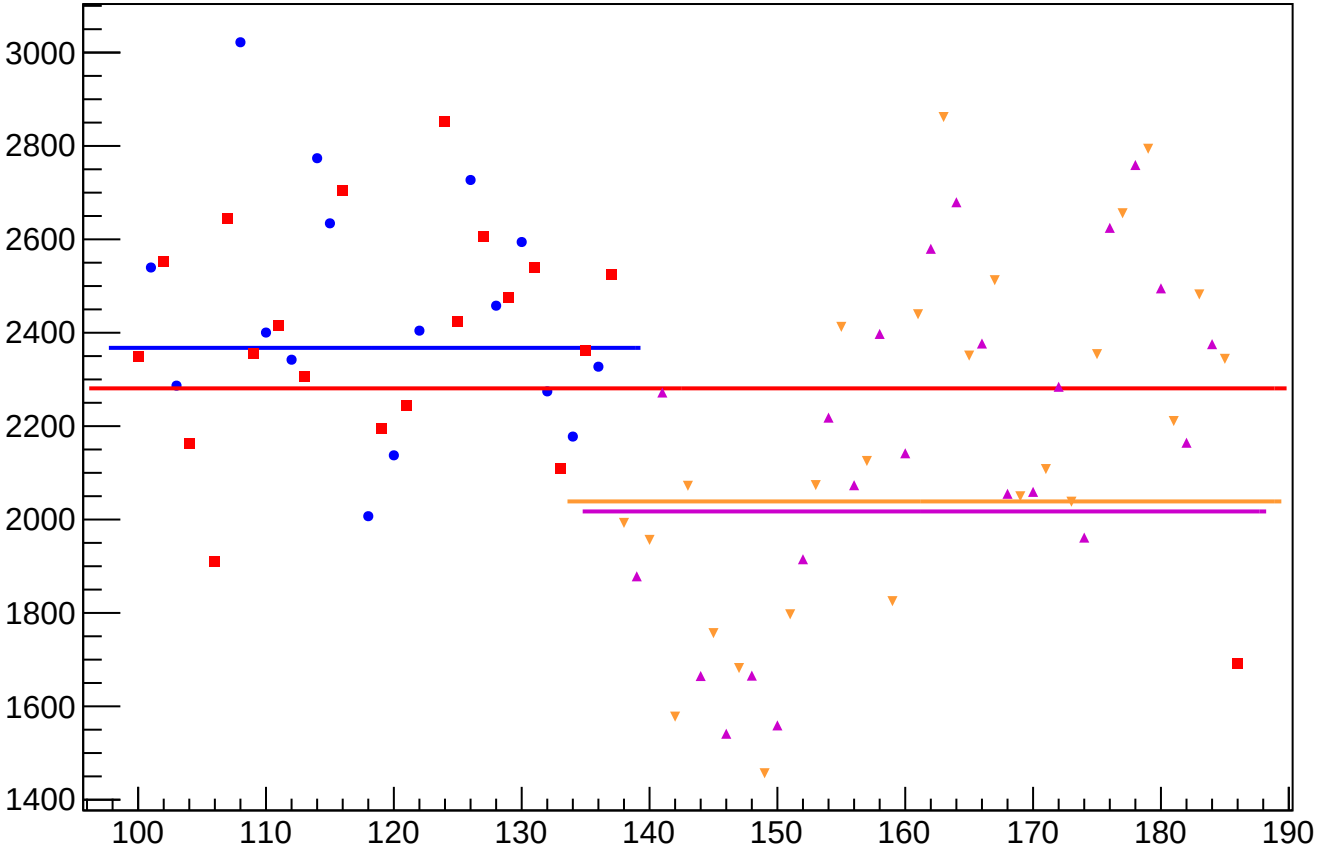
In: 731.261+/-0.103 χ^2/NDF:615454.3/38

Out: 728.921+/-0.099 χ^2/NDF:640465.4/44

All: 730.049+/-0.072 χ^2/NDF: 1256186.6/83


diff_bpm1i06X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: 107.548+/-0.885 χ²/NDF: 2955.8/15
Left Out: 11.989+/-0.472 χ²/NDF:947.1/24
Right Out: 3.110+/-0.818 χ²/NDF: 4976.9/19
Left In: -60.598+/-0.481 χ²/NDF:8638.1/22
Left: -23.591+/-0.337 χ²/NDF: 21200.1/47
Right: 51.228+/-0.601 χ²/NDF: 15436.9/35
In: -22.289+/-0.423 χ²/NDF:39446.5/38
Out: 9.776+/-0.409 χ²/NDF:6012.3/44
All: -5.716+/-0.294 χ²/NDF: 48434.5/83

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

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

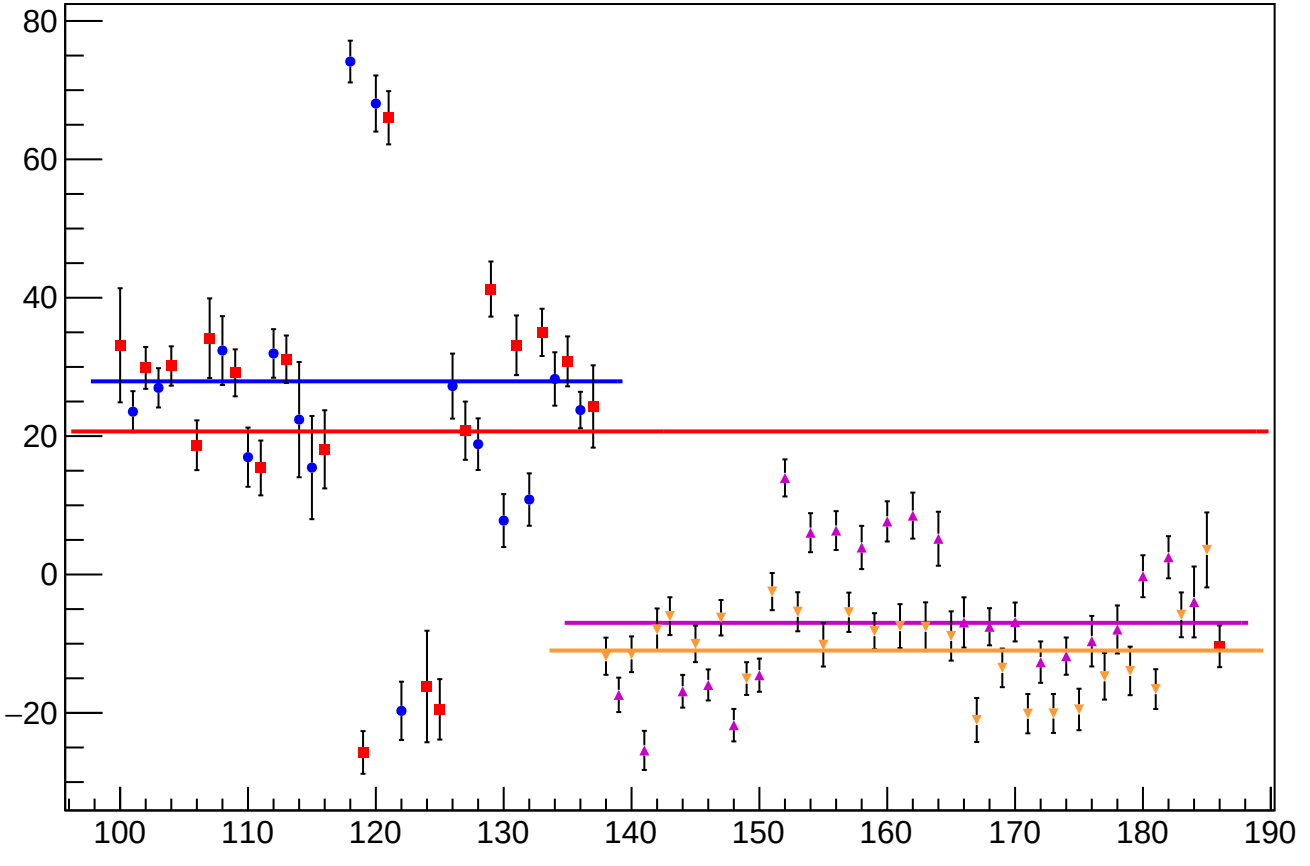
Right: 2320.864+/-0.425 χ^2/NDF: 359922.1/35

In: 2097.139+/-0.299 χ^2/NDF:1418585.7/38

Out: 2099.138+/-0.289 χ^2/NDF:1477768.1/44

All: 2098.172+/-0.208 χ^2/NDF: 2896377.0/83

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

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

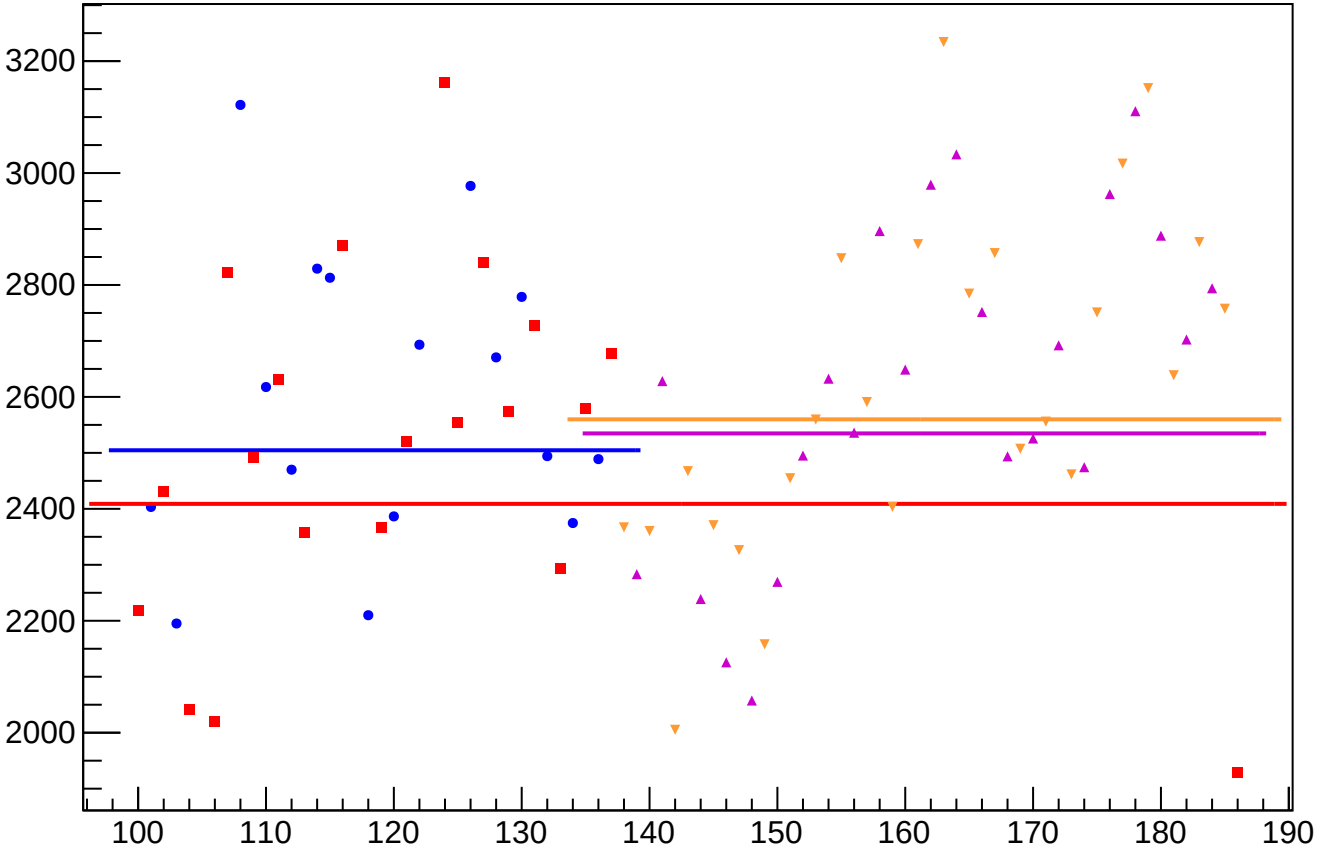
Right: 24.008+/-0.635 χ^2/NDF: 1246.2/35

In: 3.131+/-0.504 χ^2/NDF:1855.9/38

Out: -1.023+/-0.485 χ^2/NDF:1689.8/44

All: 0.973+/-0.350 χ^2/NDF: 3581.0/83

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

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

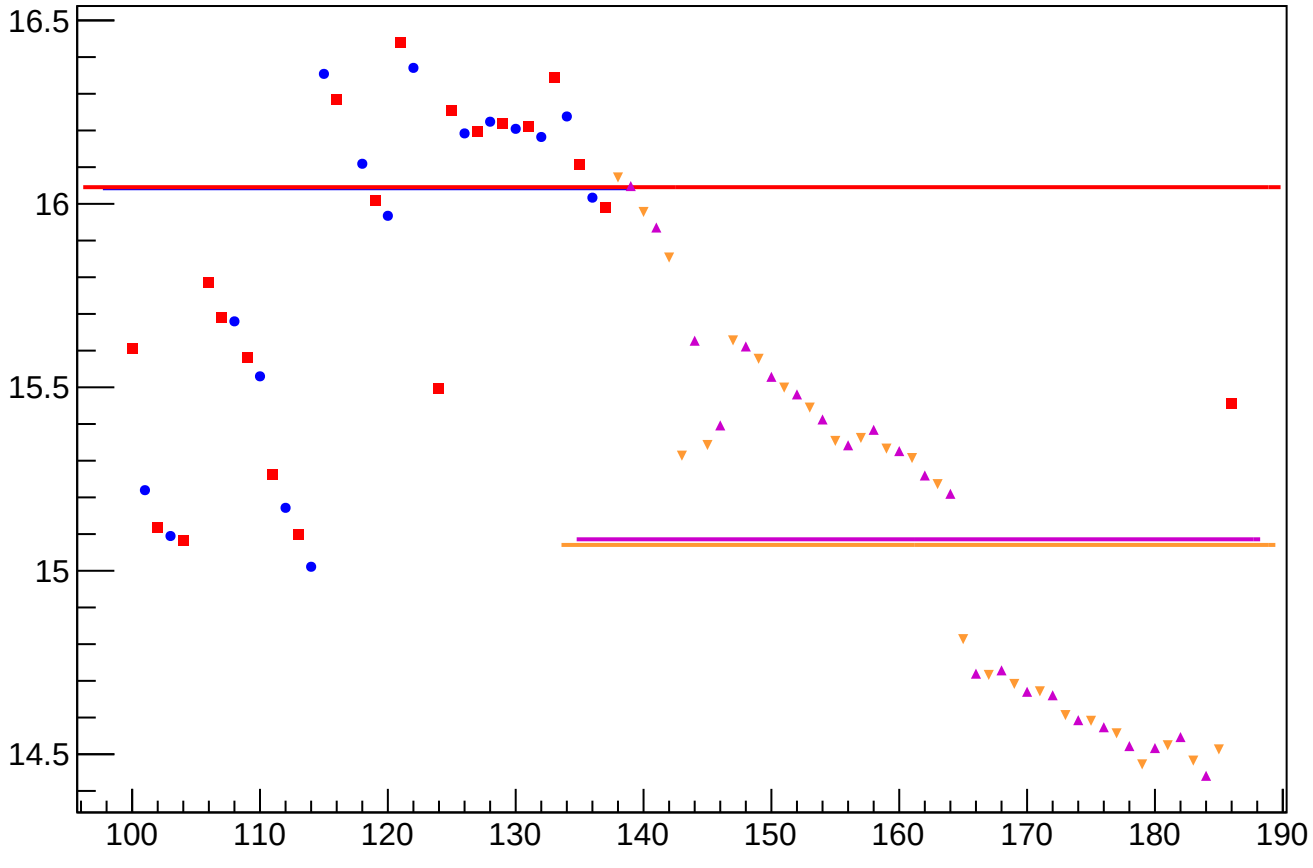
Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

Right: 2452.955+/-0.449 χ^2/NDF: 346319.7/35

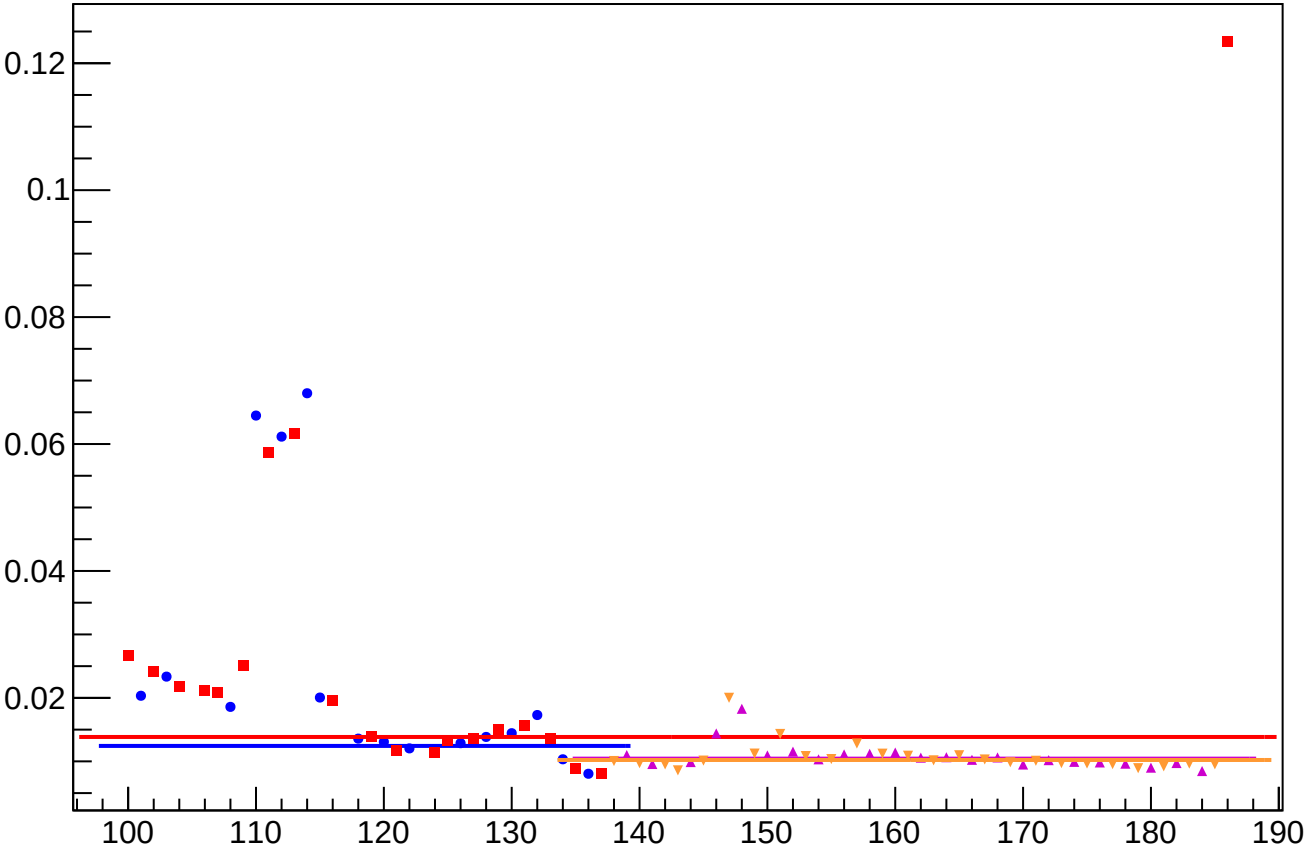
In: 2526.048+/-0.357 χ^2/NDF:591690.0/38

Out: 2512.413+/-0.343 χ^2/NDF:700440.6/44

All: 2518.965+/-0.247 χ^2/NDF: 1292889.9/83


yield_sam1_mean vs Slug, Sign Corrected
16.5
16
15.5
15
14.5
100
110
120
130
140
150
160
170
180
190
Right In: 16.043+/-0.000 χ²/NDF: 2840540588.4/15
Left Out: 15.070+/-0.000 χ²/NDF:43718295237.2/24
Right Out: 16.045+/-0.000 χ²/NDF: 3561004039.5/19
Left In: 15.086+/-0.000 χ²/NDF:39504896066.7/22
Left: 15.078+/-0.000 χ²/NDF: 83242630627.9/47
Right: 16.044+/-0.000 χ²/NDF: 6401680606.4/35
In: 15.262+/-0.000 χ²/NDF:68948463509.3/38
Out: 15.214+/-0.000 χ²/NDF:71677100557.9/44
All: 15.238+/-0.000 χ²/NDF: 140848909680.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.010+/-0.000 χ^2/NDF: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

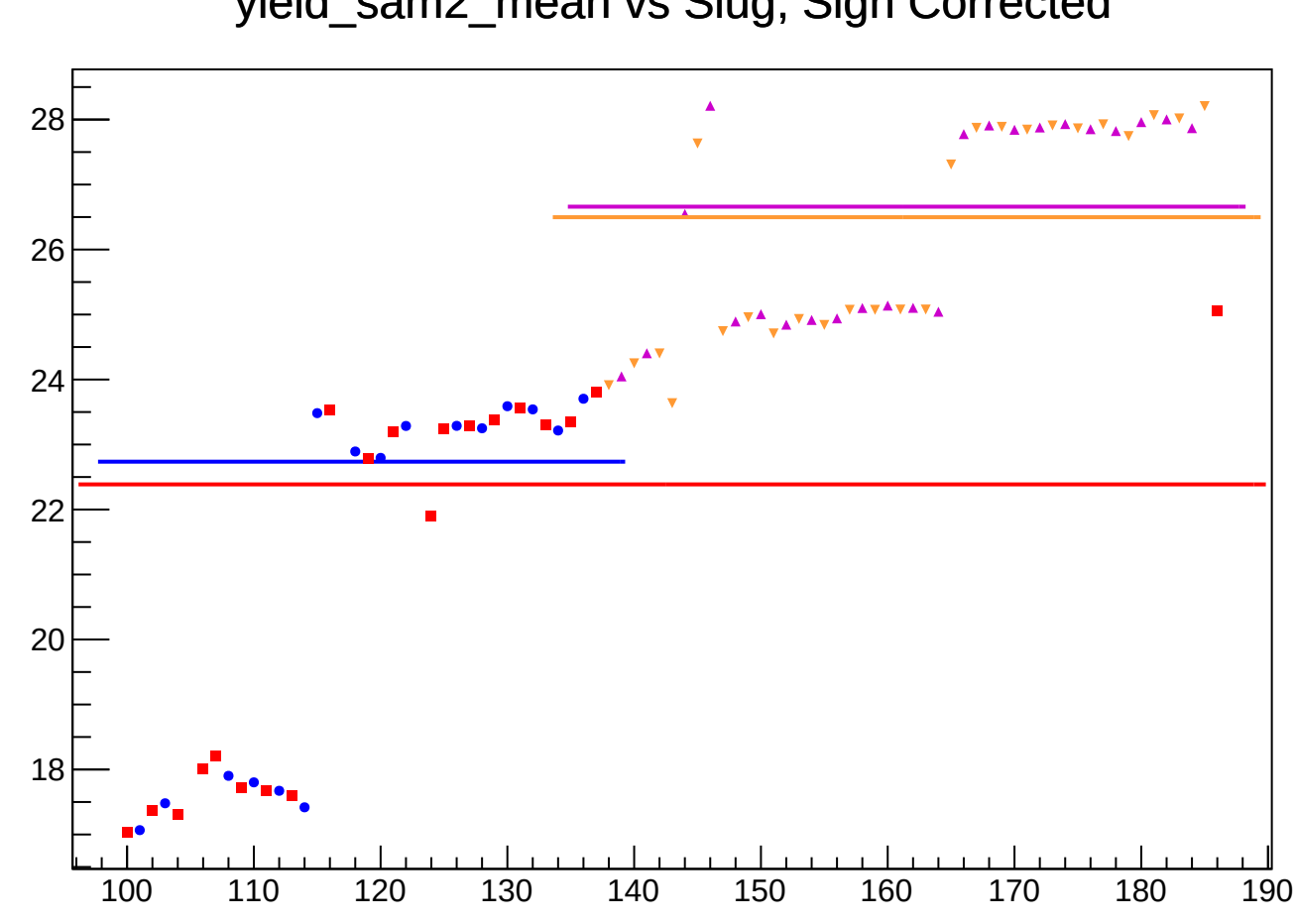
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 5224730.0/35

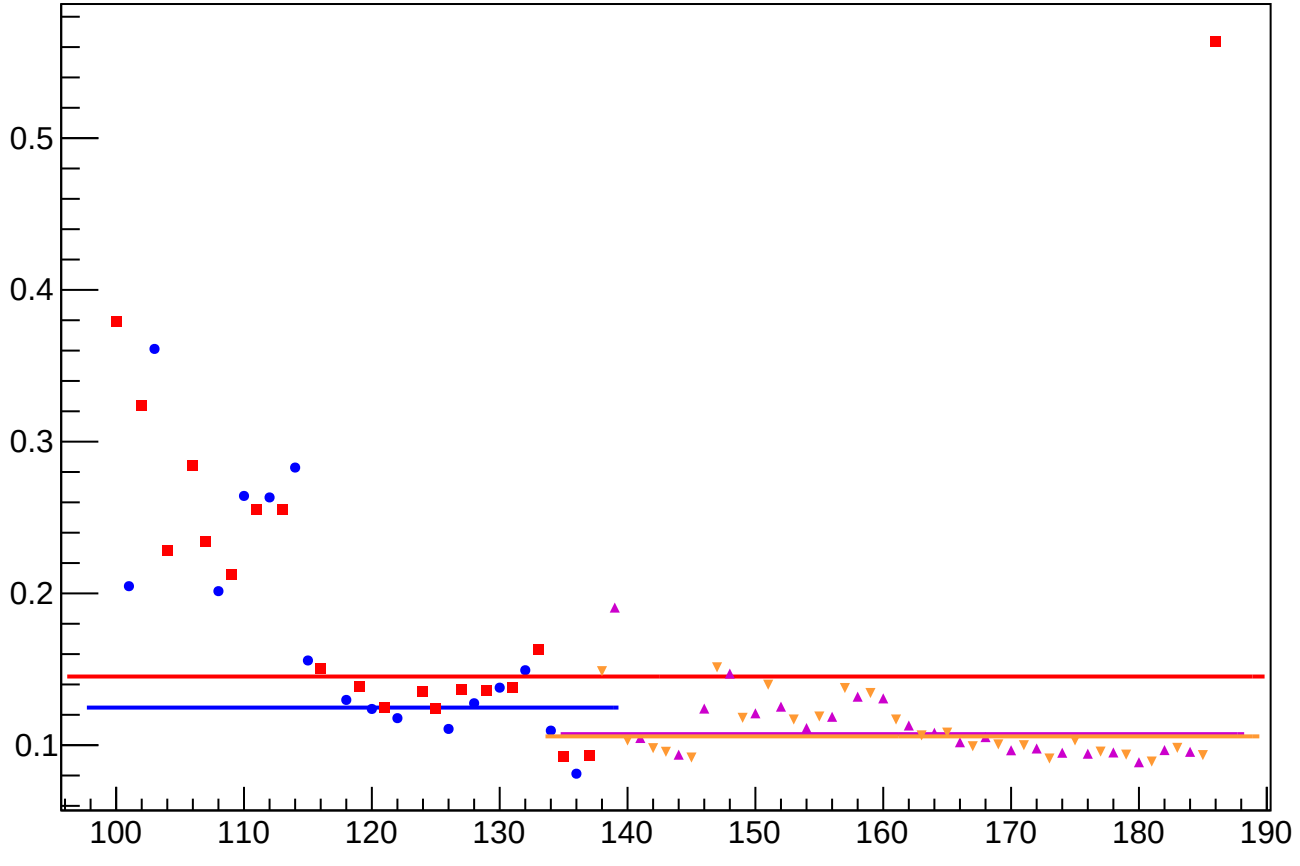
In: 0.011+/-0.000 χ^2/NDF:3148017.5/38

Out: 0.011+/-0.000 χ^2/NDF:4278066.9/44

All: 0.011+/-0.000 χ^2/NDF: 7426477.0/83


yield_sam2_mean vs Slug, Sign Corrected
28
26
24
22
20
18
100
110
120
130
140
150
160
170
180
190
Right In: 22.736+/-0.000 χ²/NDF: 1220713728.0/15
Left Out: 26.498+/-0.000 χ²/NDF:3909357236.5/24
Right Out: 22.387+/-0.000 χ²/NDF: 1224543723.7/19
Left In: 26.660+/-0.000 χ²/NDF:2886823196.4/22
Left: 26.575+/-0.000 χ²/NDF: 6814787304.8/47
Right: 22.579+/-0.000 χ²/NDF: 2464122973.8/35
In: 25.868+/-0.000 χ²/NDF:8329806759.0/38
Out: 25.843+/-0.000 χ²/NDF:9123777271.0/44
All: 25.856+/-0.000 χ²/NDF: 17454134058.2

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

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

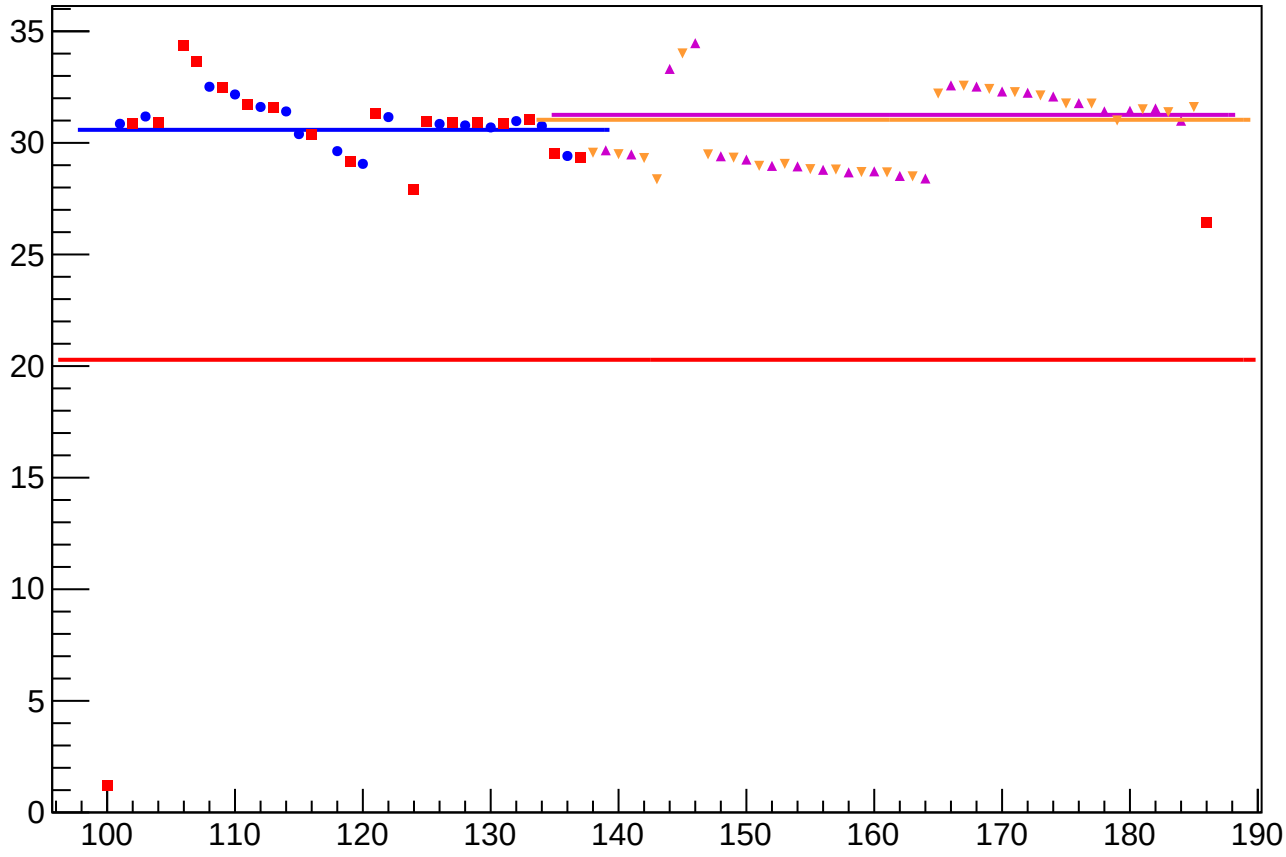
Right: 0.134+/-0.000 χ^2/NDF: 3887246.4/35

In: 0.111+/-0.000 χ^2/NDF:2777229.8/38

Out: 0.112+/-0.000 χ^2/NDF:3498726.1/44

All: 0.111+/-0.000 χ^2/NDF: 6278768.2/83

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

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

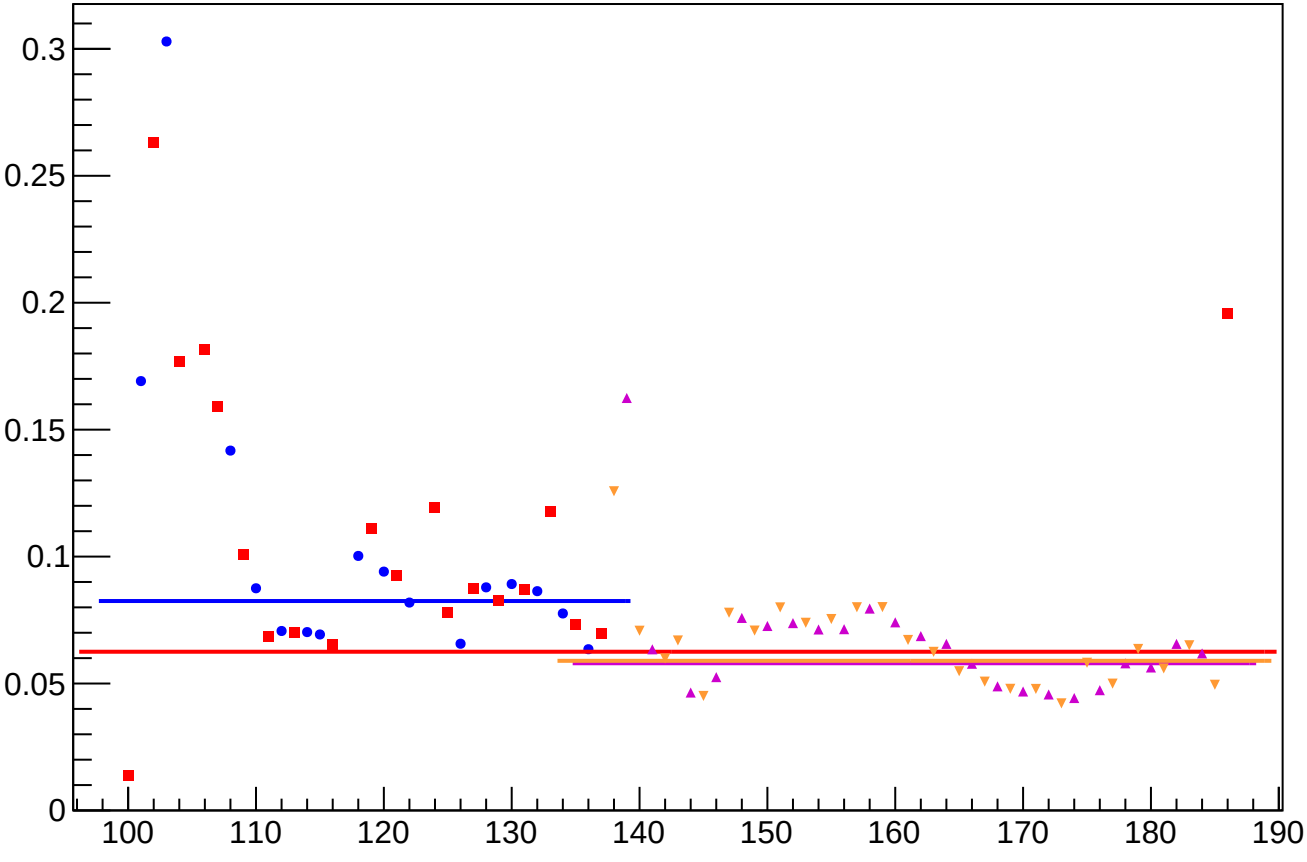
Right: 24.540+/-0.000 χ^2/NDF: 270496607371.3/35

In: 31.150+/-0.000 χ^2/NDF:13535516458.4/38

Out: 28.840+/-0.000 χ^2/NDF:334632849719.8/44

All: 29.941+/-0.000 χ^2/NDF: 361848803135.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

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

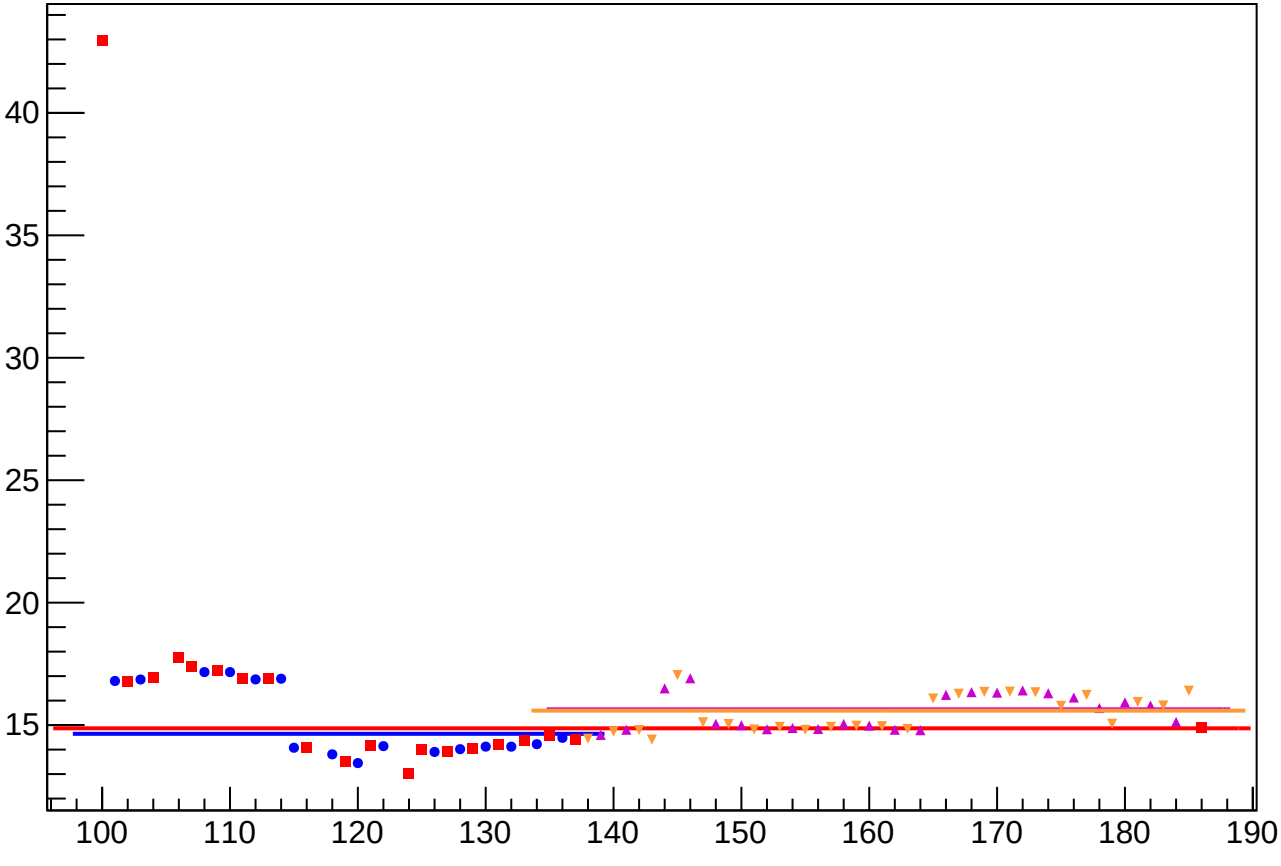
Right: 0.071+/-0.000 χ^2/NDF: 6005906.0/35

In: 0.062+/-0.000 χ^2/NDF:3761151.2/38

Out: 0.060+/-0.000 χ^2/NDF:5941022.4/44

All: 0.061+/-0.000 χ^2/NDF: 9726604.7/83

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

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

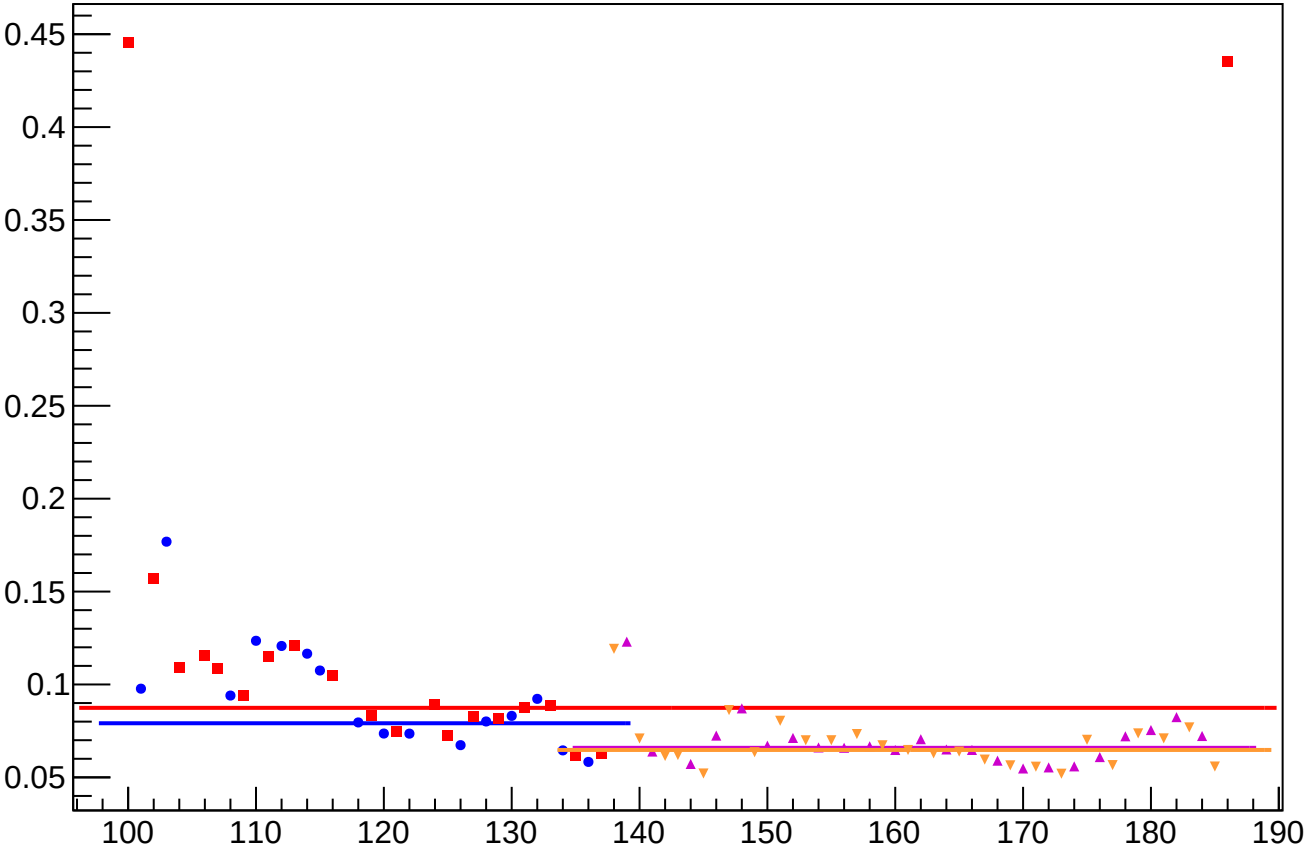
Right: 14.749+/-0.000 χ^2/NDF: 2945924595.1/35

In: 15.437+/-0.000 χ^2/NDF:3796305827.0/38

Out: 15.465+/-0.000 χ^2/NDF:4342548772.0/44

All: 15.451+/-0.000 χ^2/NDF: 8140741005.6/8

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

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

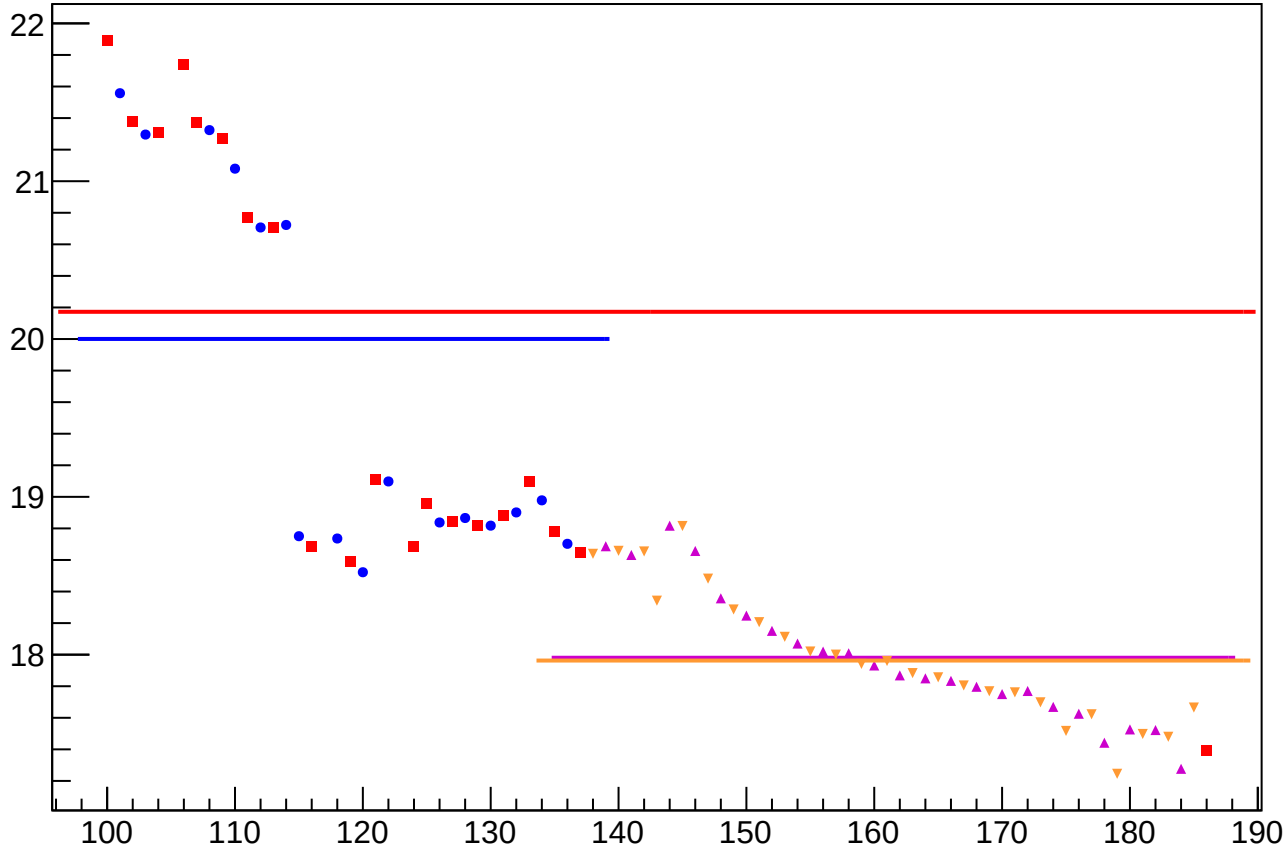
Right: 0.083+/-0.000 χ^2/NDF: 2271626.5/35

In: 0.069+/-0.000 χ^2/NDF:1966733.0/38

Out: 0.069+/-0.000 χ^2/NDF:2846914.8/44

All: 0.069+/-0.000 χ^2/NDF: 4813660.6/83

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

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

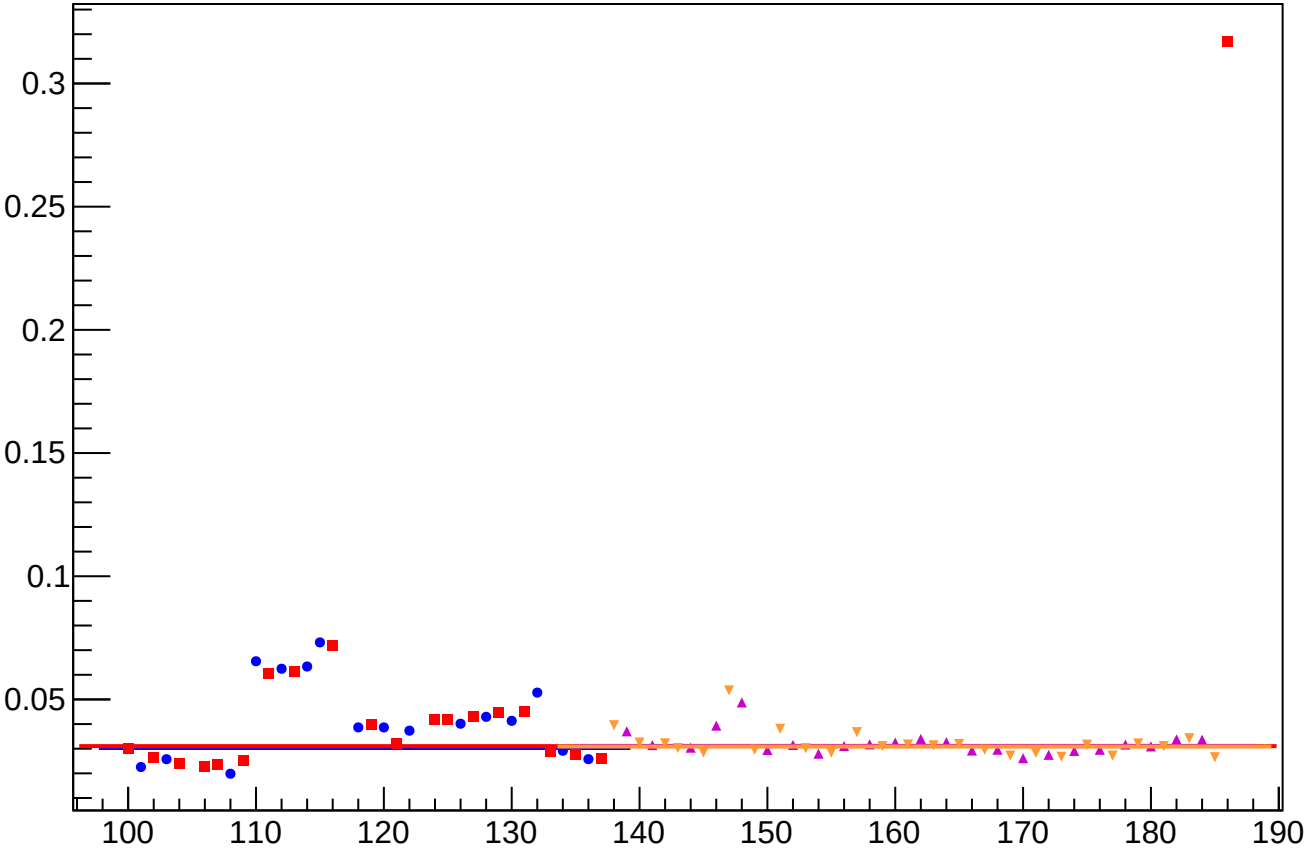
Right: 20.087+/-0.000 χ^2/NDF: 21431009949.8/35

In: 18.519+/-0.000 χ^2/NDF:33046776734.3/38

Out: 18.523+/-0.000 χ^2/NDF:37268513049.7/44

All: 18.521+/-0.000 χ^2/NDF: 70315516618.4

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

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

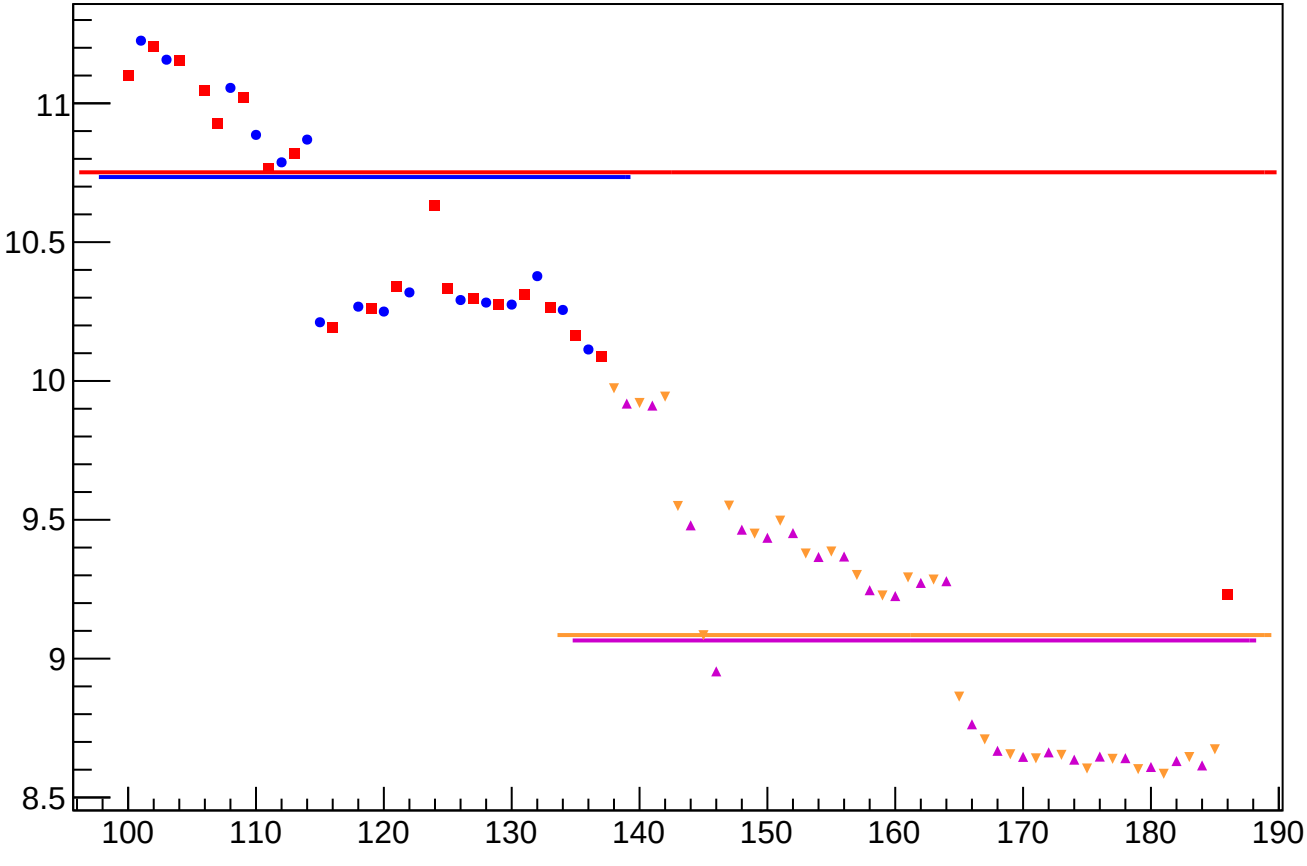
Right: 0.031+/-0.000 χ^2/NDF: 3279757.1/35

In: 0.031+/-0.000 χ^2/NDF:1937131.5/38

Out: 0.031+/-0.000 χ^2/NDF:2462365.3/44

All: 0.031+/-0.000 χ^2/NDF: 4399507.4/83

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

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

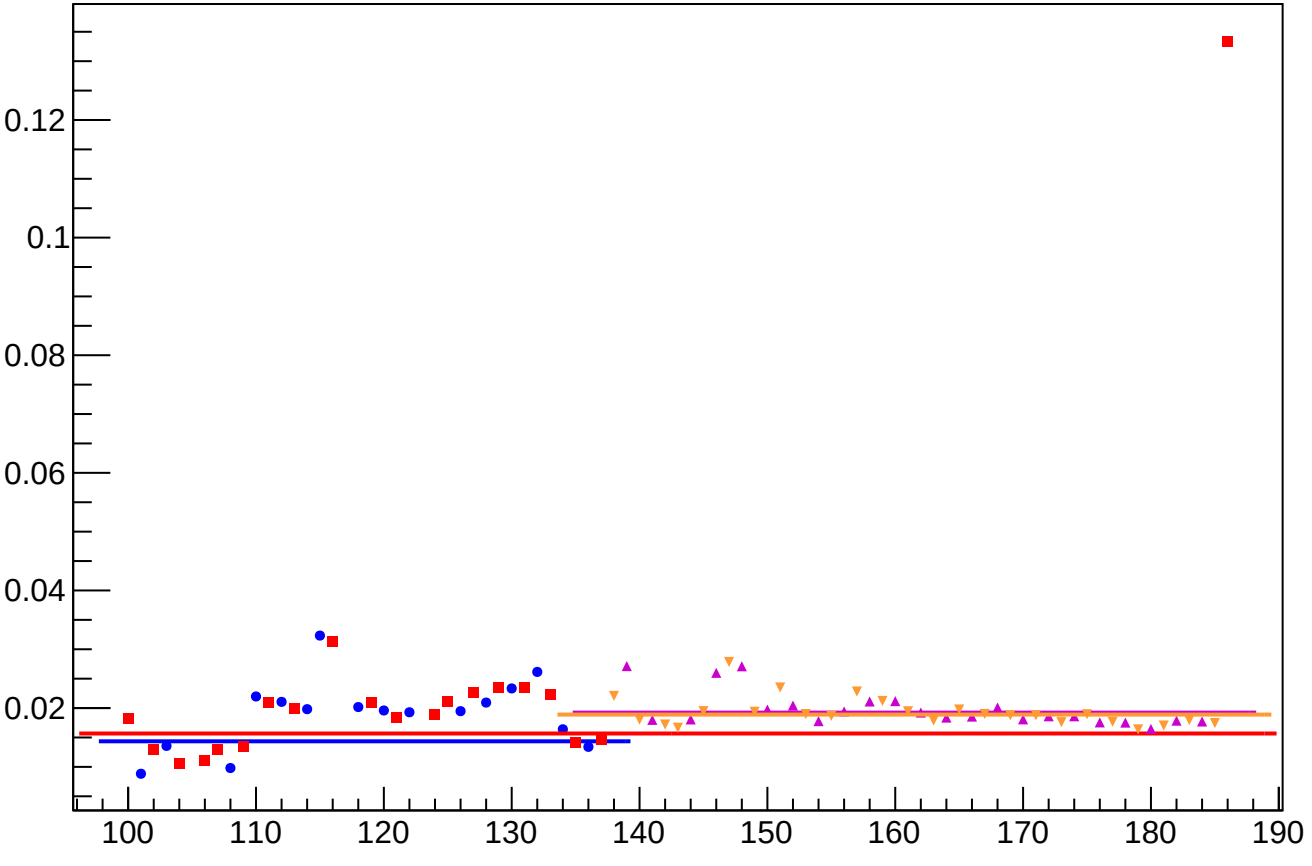
Right: 10.743+/-0.000 χ^2/NDF: 10278172321.1/35

In: 9.702+/-0.000 χ^2/NDF:61527786833.4/38

Out: 9.654+/-0.000 χ^2/NDF:61312896801.4/44

All: 9.677+/-0.000 χ^2/NDF: 122926901923.4

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF: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

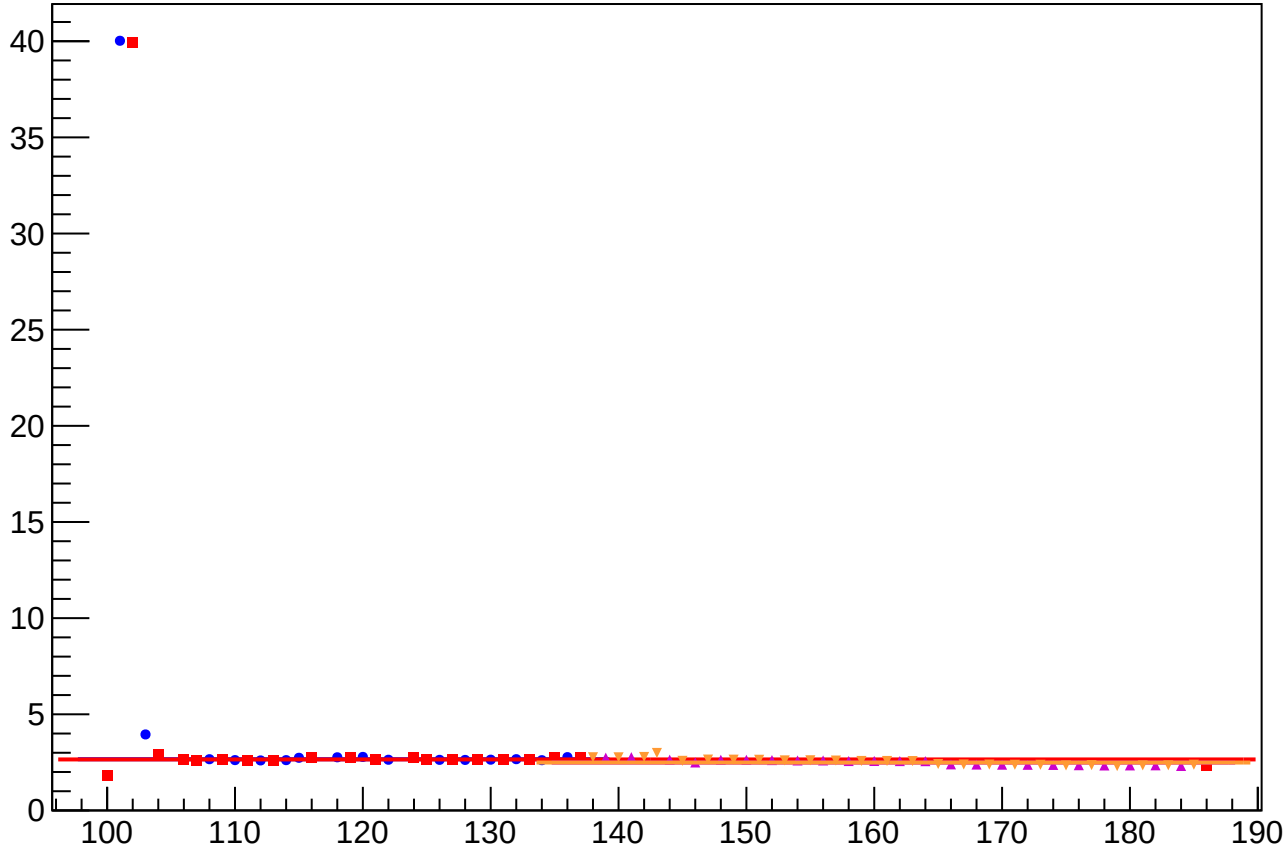
Right: 0.015+/-0.000 χ^2/NDF: 3206241.5/35

In: 0.017+/-0.000 χ^2/NDF:2836929.4/38

Out: 0.018+/-0.000 χ^2/NDF:2467137.8/44

All: 0.018+/-0.000 χ^2/NDF: 5317511.5/83

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

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

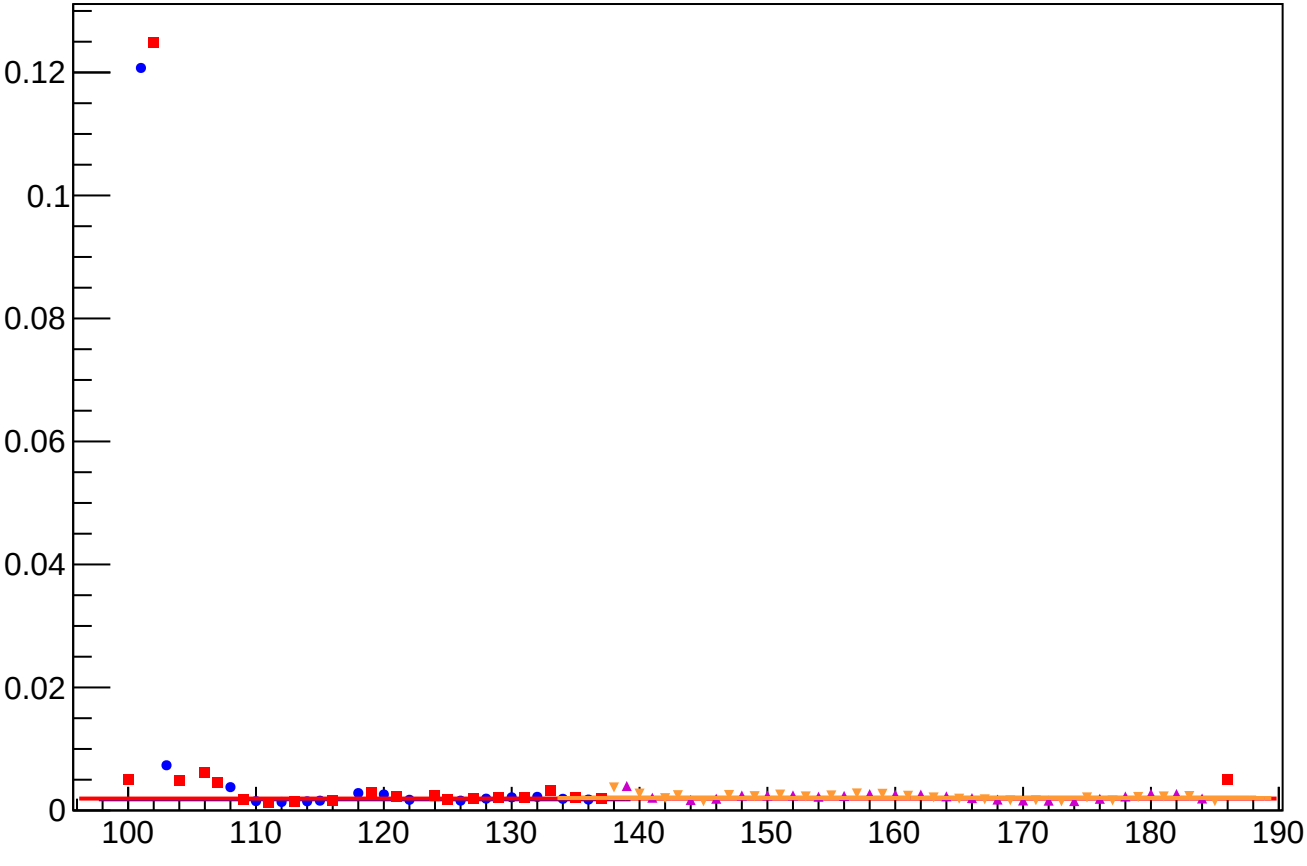
Right: 2.658+/-0.000 χ^2/NDF: 134689798669.9/35

In: 2.540+/-0.000 χ^2/NDF:160251722820.4/38

Out: 2.535+/-0.000 χ^2/NDF:186023378658.2/44

All: 2.538+/-0.000 χ^2/NDF: 346336835965.3

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF: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

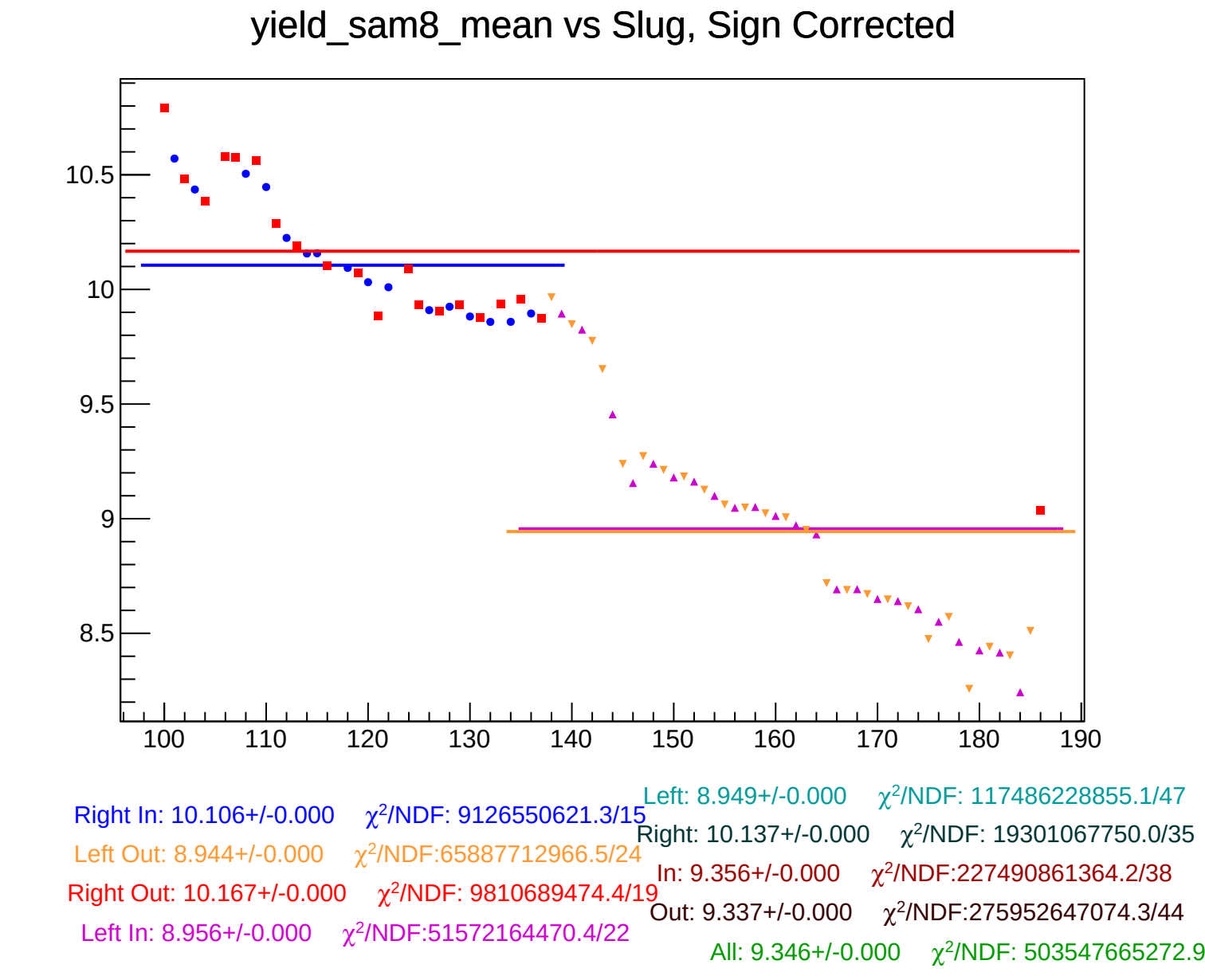
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 4655759.1/35

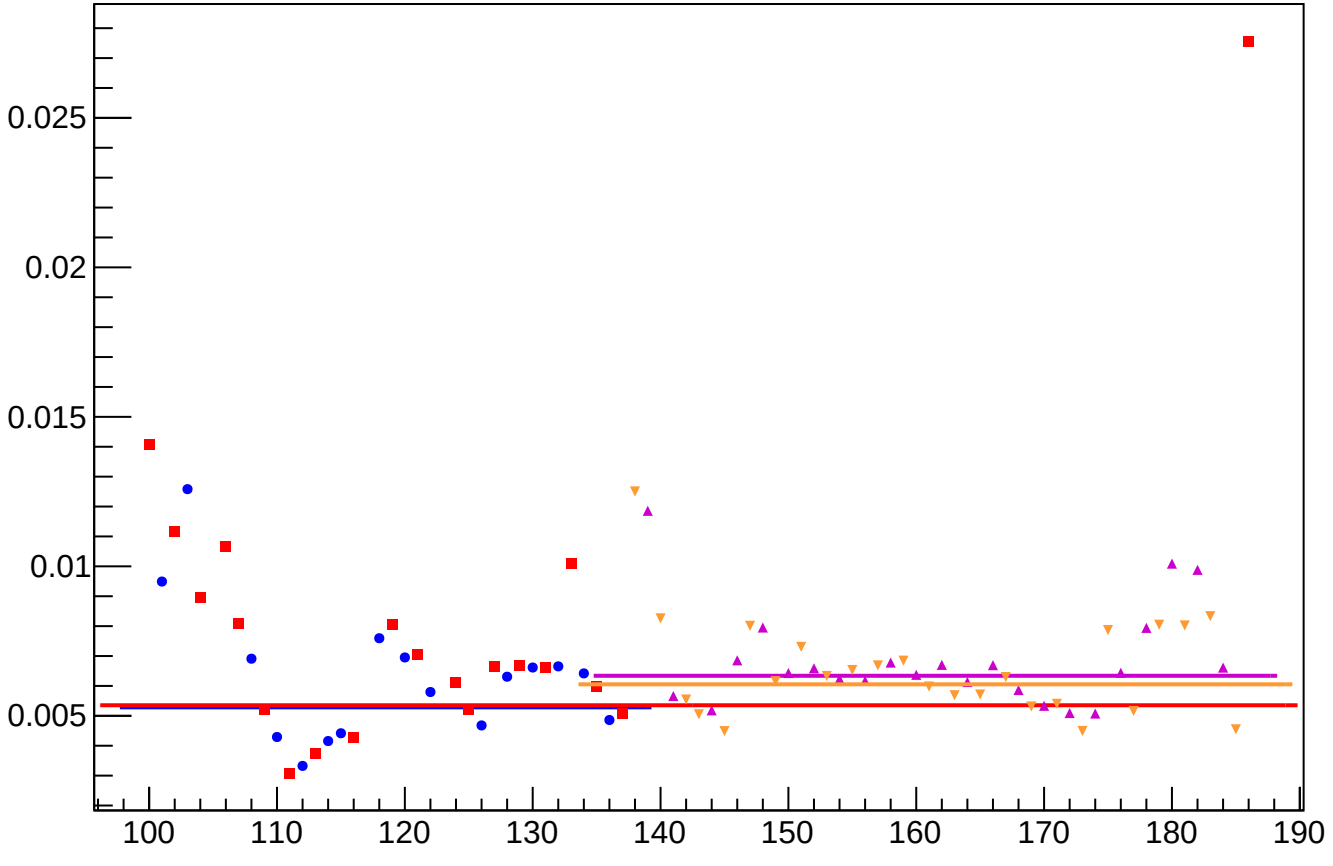
In: 0.002+/-0.000 χ^2/NDF:3353764.4/38

Out: 0.002+/-0.000 χ^2/NDF:4386991.3/44

All: 0.002+/-0.000 χ^2/NDF: 7741052.1/83


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: 10.106+/-0.000 χ²/NDF: 9126550621.3/15
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: 10.137+/-0.000 χ²/NDF: 19301067750.0/35
In: 9.356+/-0.000 χ²/NDF:227490861364.2/38
Out: 9.337+/-0.000 χ²/NDF:275952647074.3/44
All: 9.346+/-0.000 χ²/NDF: 503547665272.9

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF: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

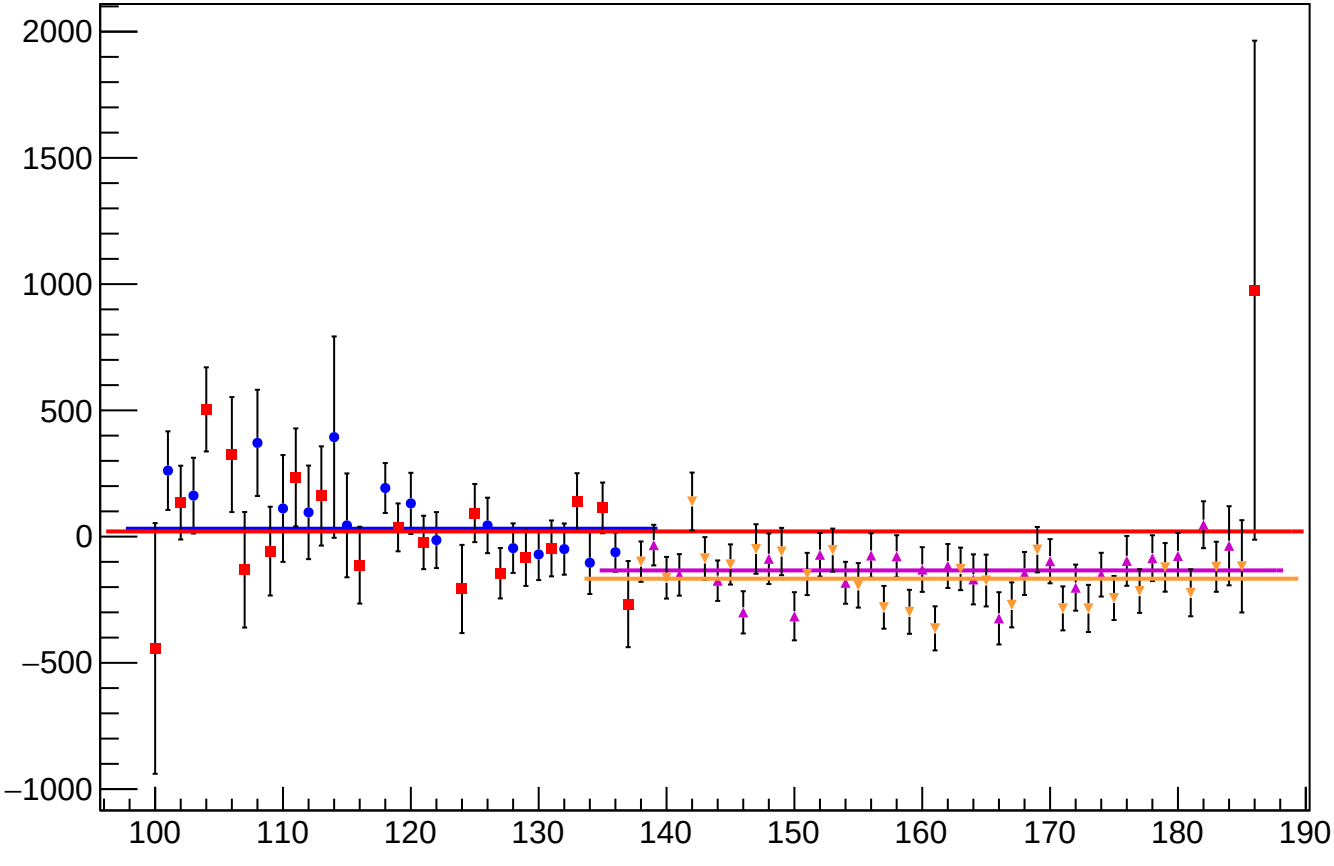
Right: 0.005+/-0.000 χ^2/NDF: 3588250.5/35

In: 0.006+/-0.000 χ^2/NDF:2730086.5/38

Out: 0.006+/-0.000 χ^2/NDF:3905536.4/44

All: 0.006+/-0.000 χ^2/NDF: 6647665.2/83

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

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

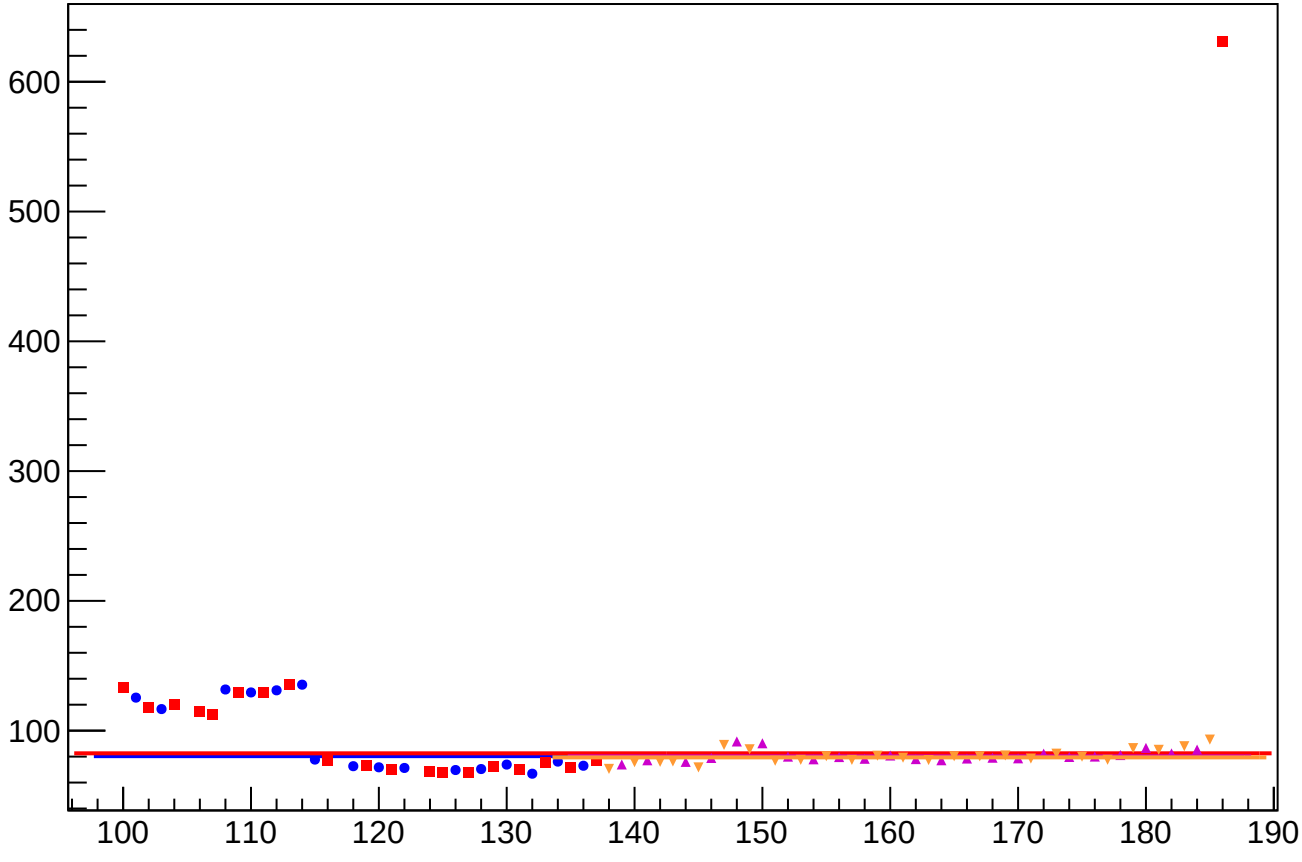
Right: 25.928+/-21.859 χ^2/NDF: 42.0/35

In: -89.155+/-16.017 χ^2/NDF:56.8/38

Out: -119.267+/-15.623 χ^2/NDF:85.6/44

All: -104.586+/-11.184 χ^2/NDF: 144.2/83

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

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

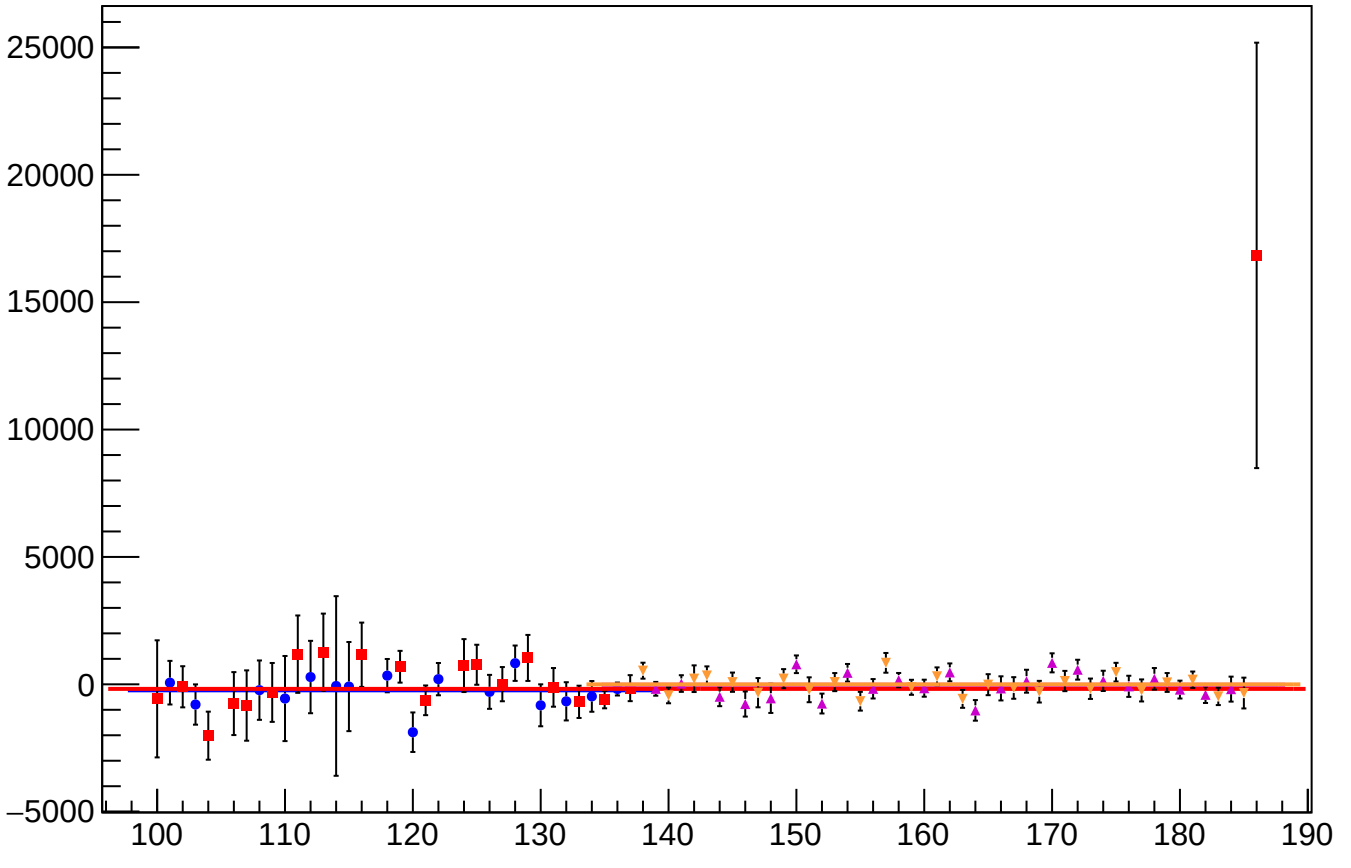
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 81.435+/-0.015 χ^2/NDF: 2393976.5/35

In: 80.213+/-0.011 χ^2/NDF:931566.9/38

Out: 80.202+/-0.011 χ^2/NDF:1698885.3/44

All: 80.207+/-0.008 χ^2/NDF: 2630452.7/83



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

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

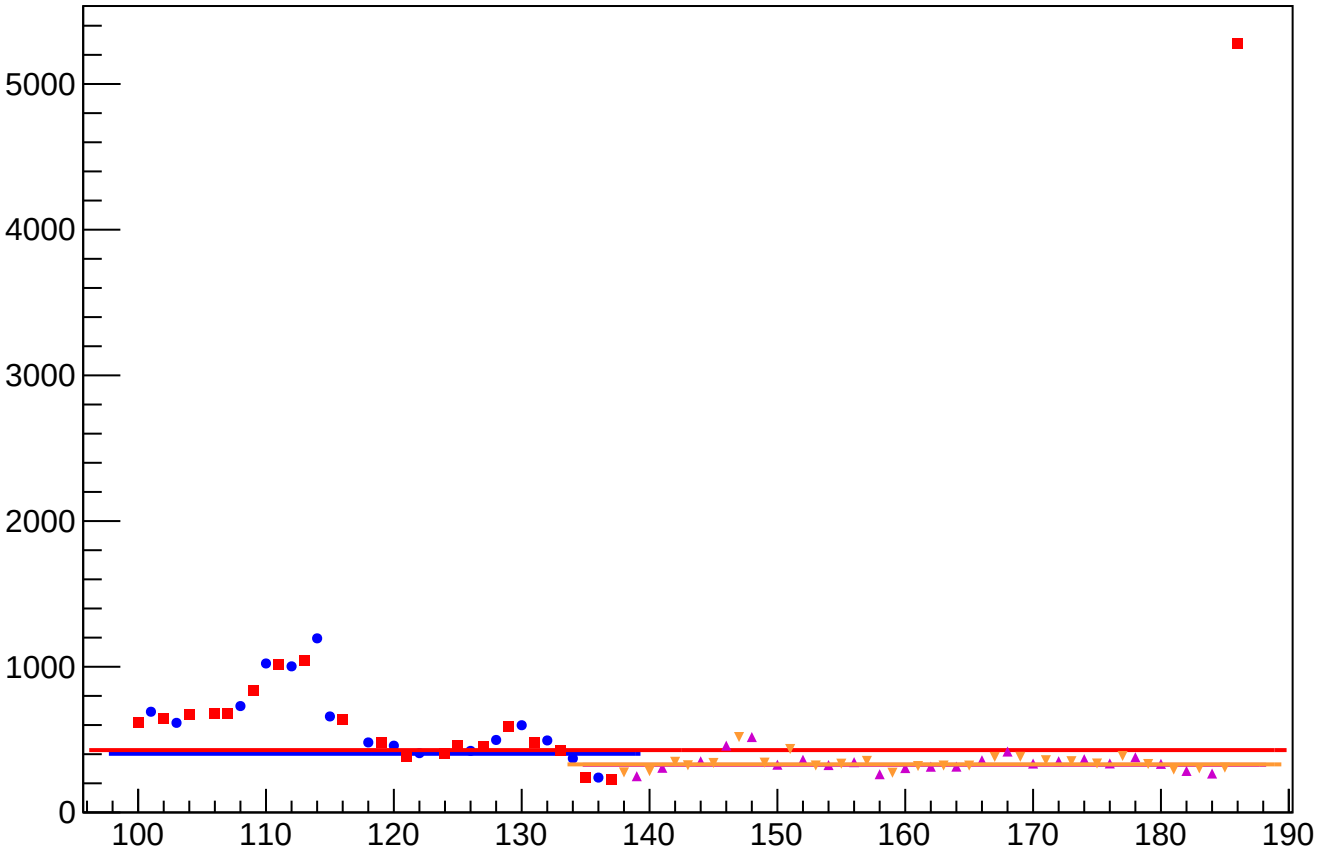
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -208.631+/-118.062 χ^2/NDF: 30.1/35

In: -58.896+/-70.082 χ^2/NDF:46.4/38

Out: -32.609+/-69.302 χ^2/NDF:45.0/44

All: -45.606+/-49.277 χ^2/NDF: 91.5/83



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

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

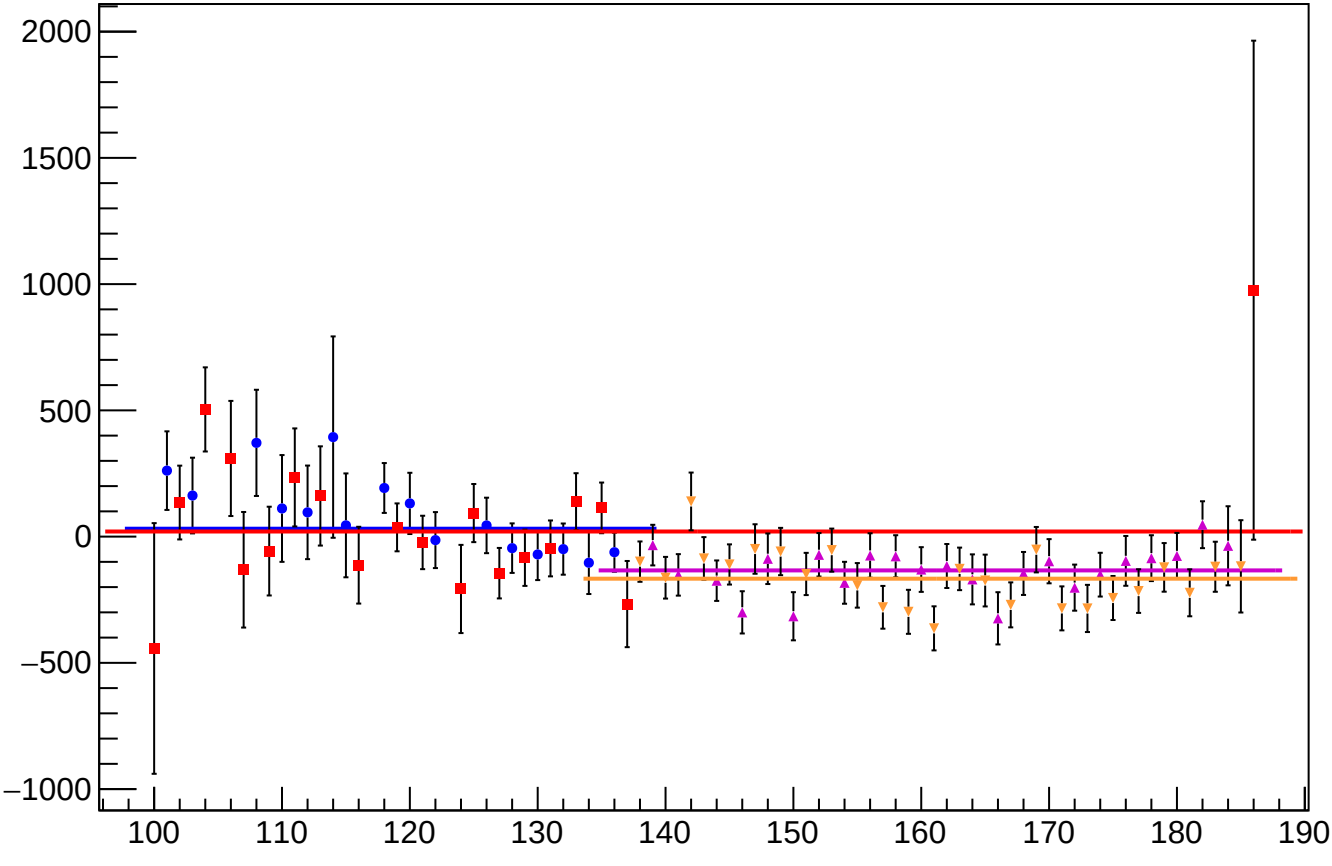
Right: 414.828+/-0.083 χ^2/NDF: 5426553.6/35

In: 340.825+/-0.050 χ^2/NDF:3608452.1/38

Out: 346.191+/-0.049 χ^2/NDF:4255369.0/44

All: 343.538+/-0.035 χ^2/NDF: 7869747.3/83

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

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

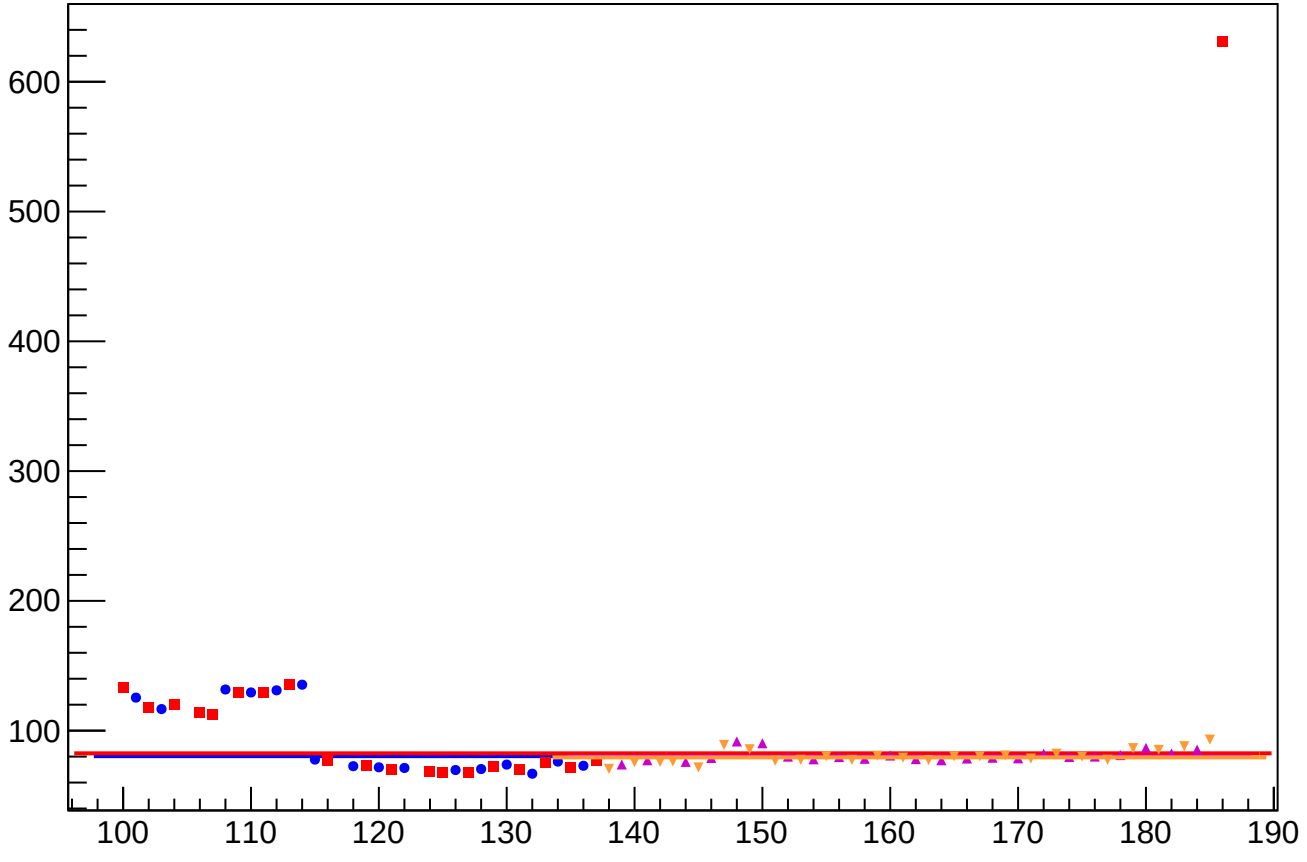
Right: 25.789+/-21.860 χ^2/NDF: 41.8/35

In: -89.157+/-16.017 χ^2/NDF:56.8/38

Out: -119.341+/-15.623 χ^2/NDF:85.4/44

All: -104.625+/-11.184 χ^2/NDF: 144.0/83

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

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

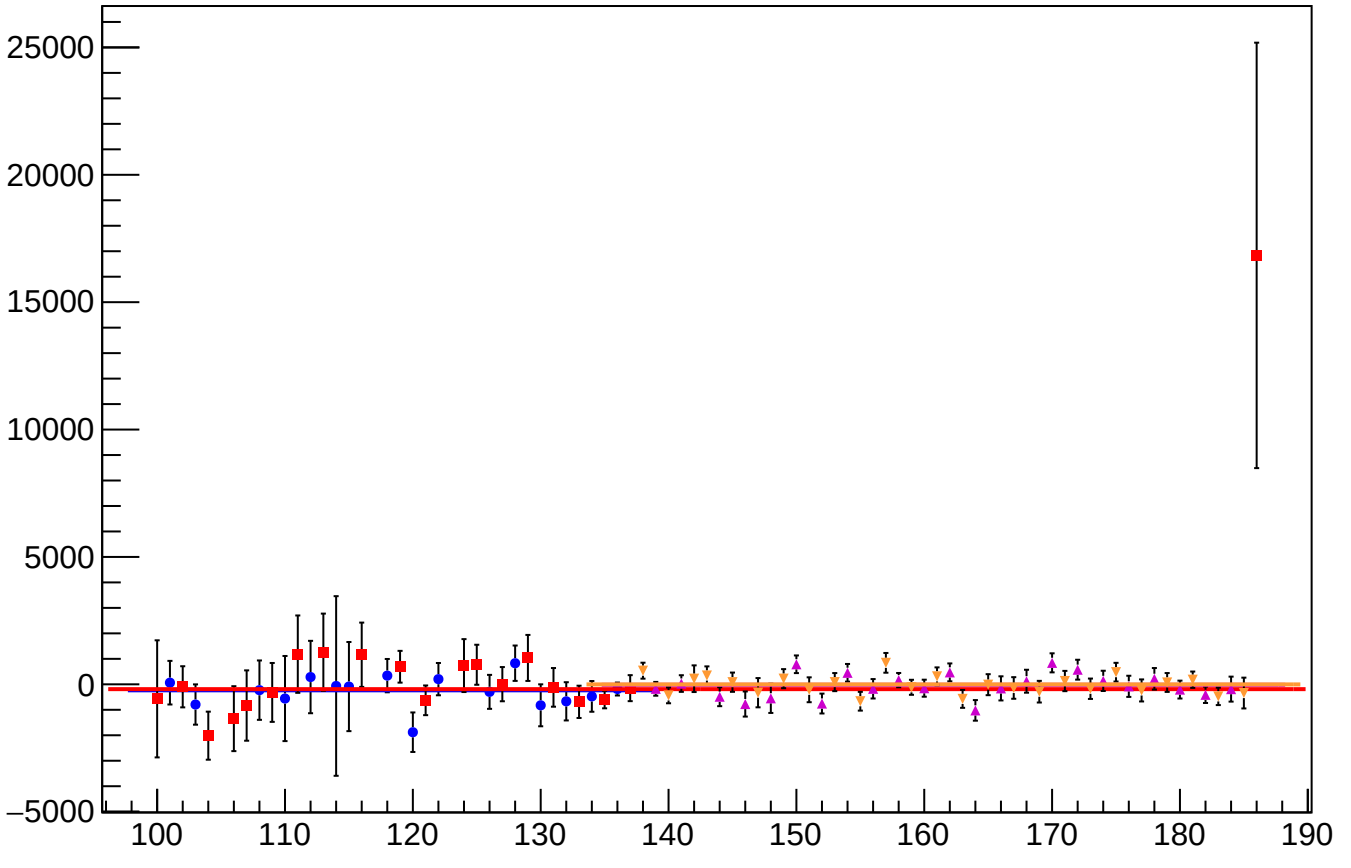
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.428+/-0.015 χ^2/NDF: 2392070.9/35

In: 80.213+/-0.011 χ^2/NDF:931567.1/38

Out: 80.198+/-0.011 χ^2/NDF:1696902.3/44

All: 80.205+/-0.008 χ^2/NDF: 2628470.3/83



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

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

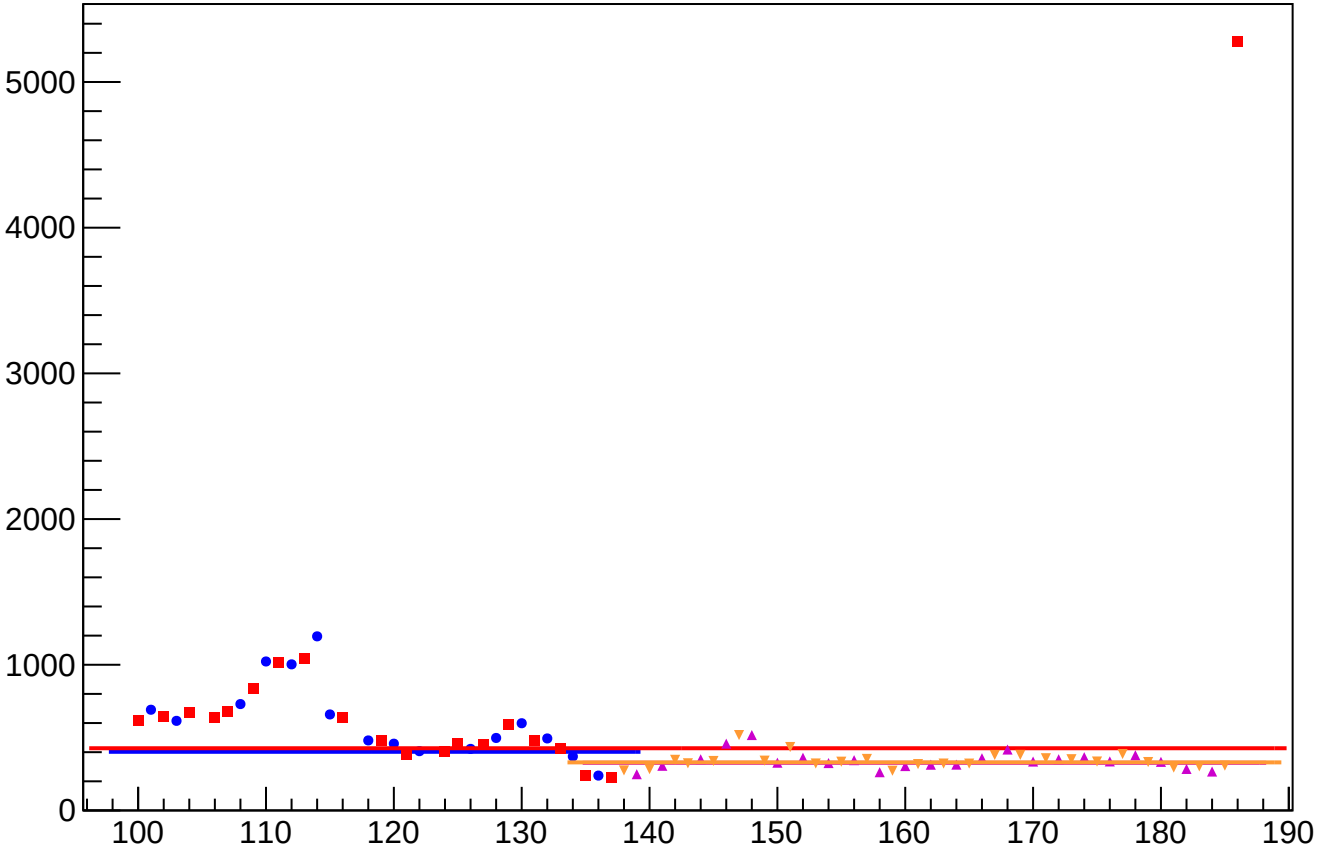
Right: -213.421+/-118.094 χ^2/NDF: 30.7/35

In: -58.901+/-70.082 χ^2/NDF:46.4/38

Out: -34.226+/-69.309 χ^2/NDF:45.8/44

All: -46.427+/-49.280 χ^2/NDF: 92.2/83

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

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

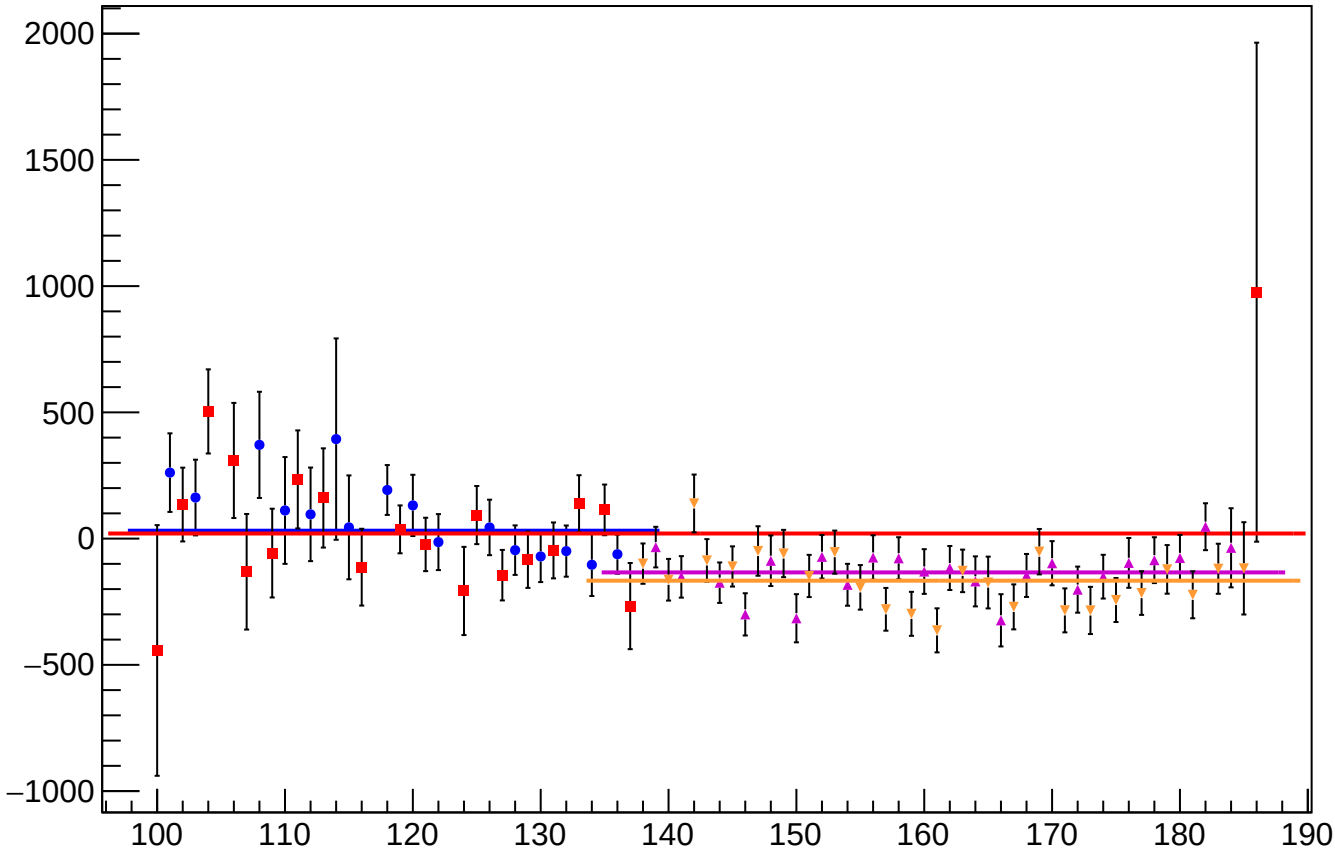
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 414.346+/-0.084 χ^2/NDF: 5397285.1/35

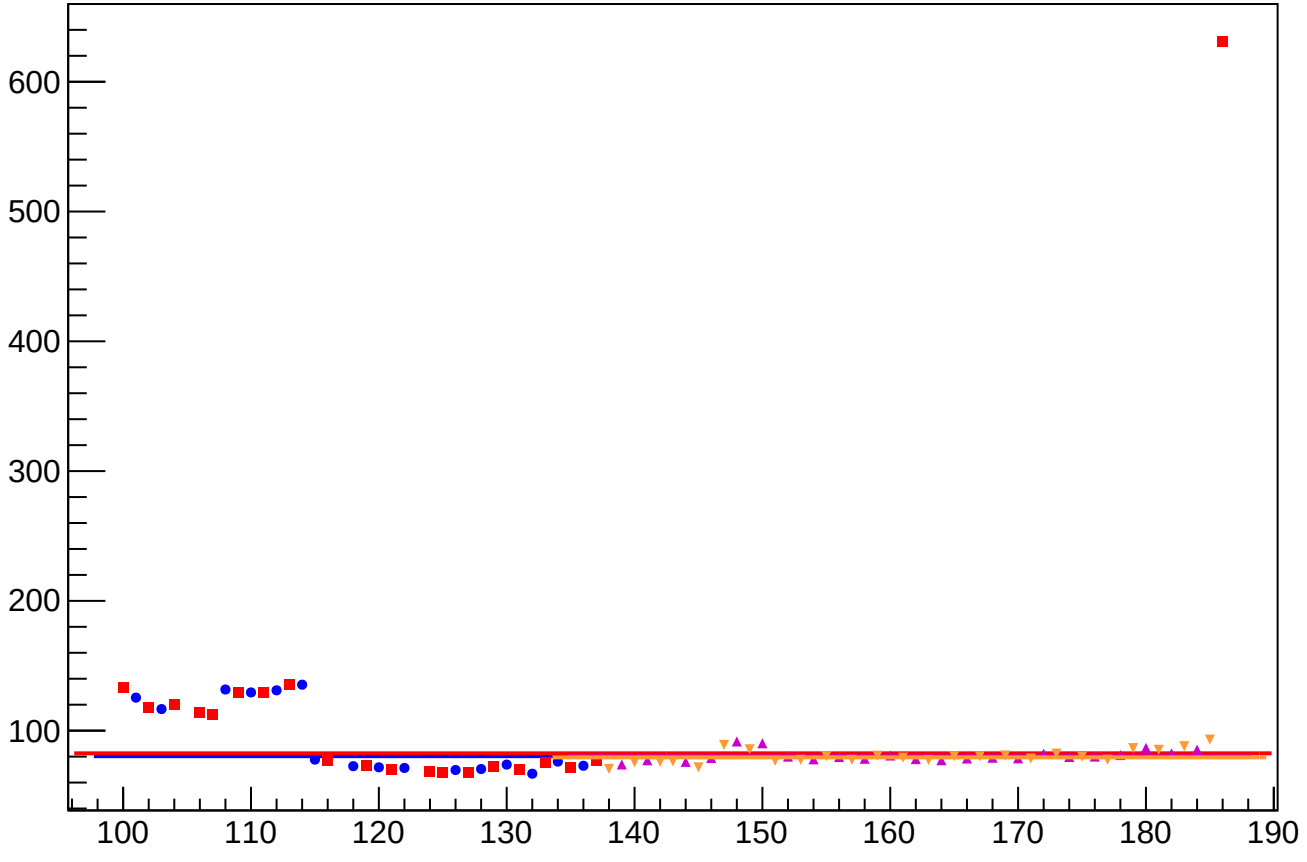
In: 340.826+/-0.050 χ^2/NDF:3608452.4/38

Out: 346.011+/-0.049 χ^2/NDF:4216272.1/44

All: 343.447+/-0.035 χ^2/NDF: 7830260.9/83


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -166.675+/-18.079 χ²/NDF:31.6/24
Right Out: 20.226+/-31.044 χ²/NDF: 26.7/19
Left In: -133.850+/-18.756 χ²/NDF:20.7/22
Left: -150.865+/-13.016 χ²/NDF: 54.0/47
Right: 25.789+/-21.860 χ²/NDF: 41.8/35
In: -89.157+/-16.017 χ²/NDF:56.8/38
Out: -119.341+/-15.623 χ²/NDF:85.4/44
All: -104.625+/-11.184 χ²/NDF: 144.0/83

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

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

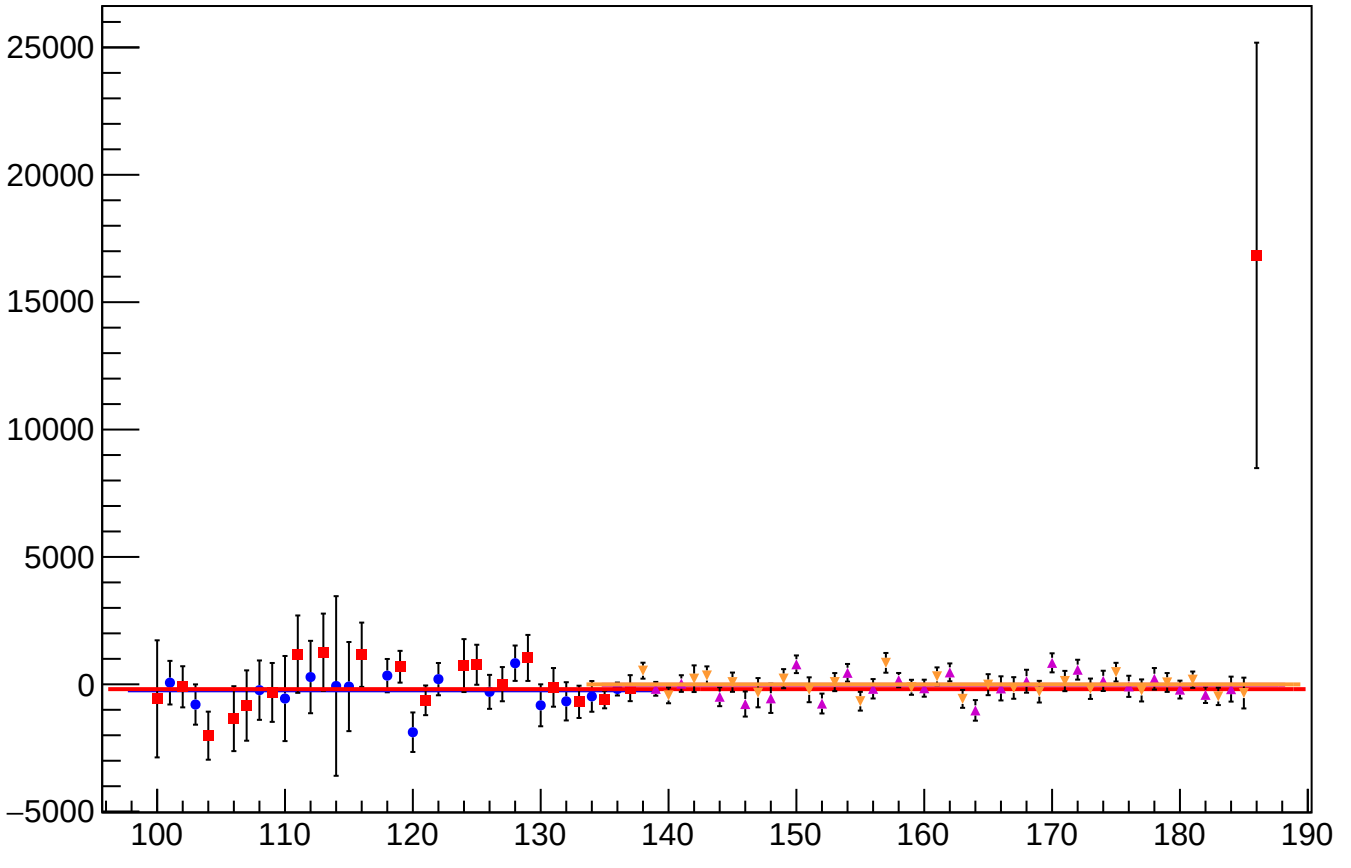
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.428+/-0.015 χ^2/NDF: 2392070.9/35

In: 80.213+/-0.011 χ^2/NDF:931567.1/38

Out: 80.198+/-0.011 χ^2/NDF:1696902.3/44

All: 80.205+/-0.008 χ^2/NDF: 2628470.3/83



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

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

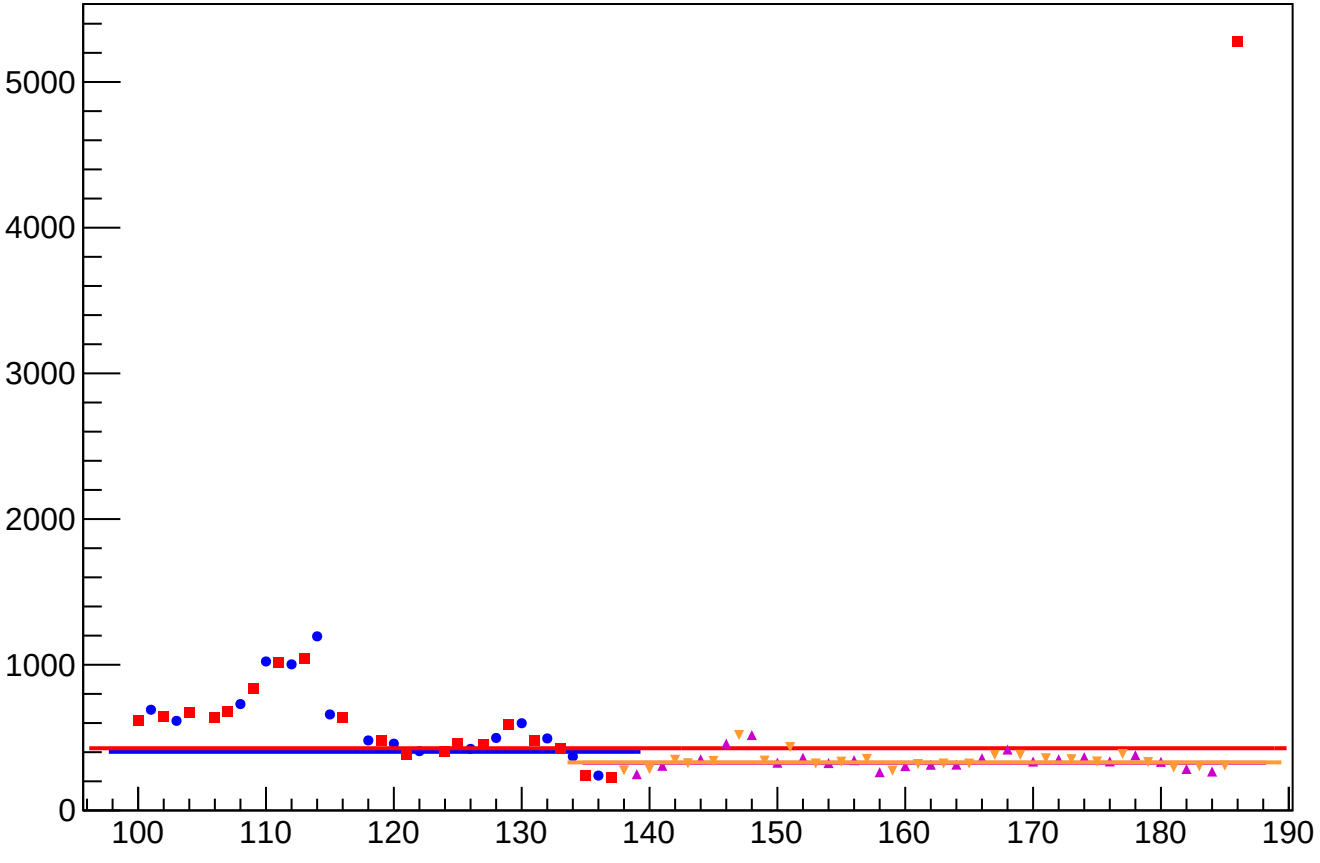
Right: -213.421+/-118.094 χ^2/NDF: 30.7/35

In: -58.901+/-70.082 χ^2/NDF:46.4/38

Out: -34.226+/-69.309 χ^2/NDF:45.8/44

All: -46.427+/-49.280 χ^2/NDF: 92.2/83

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

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

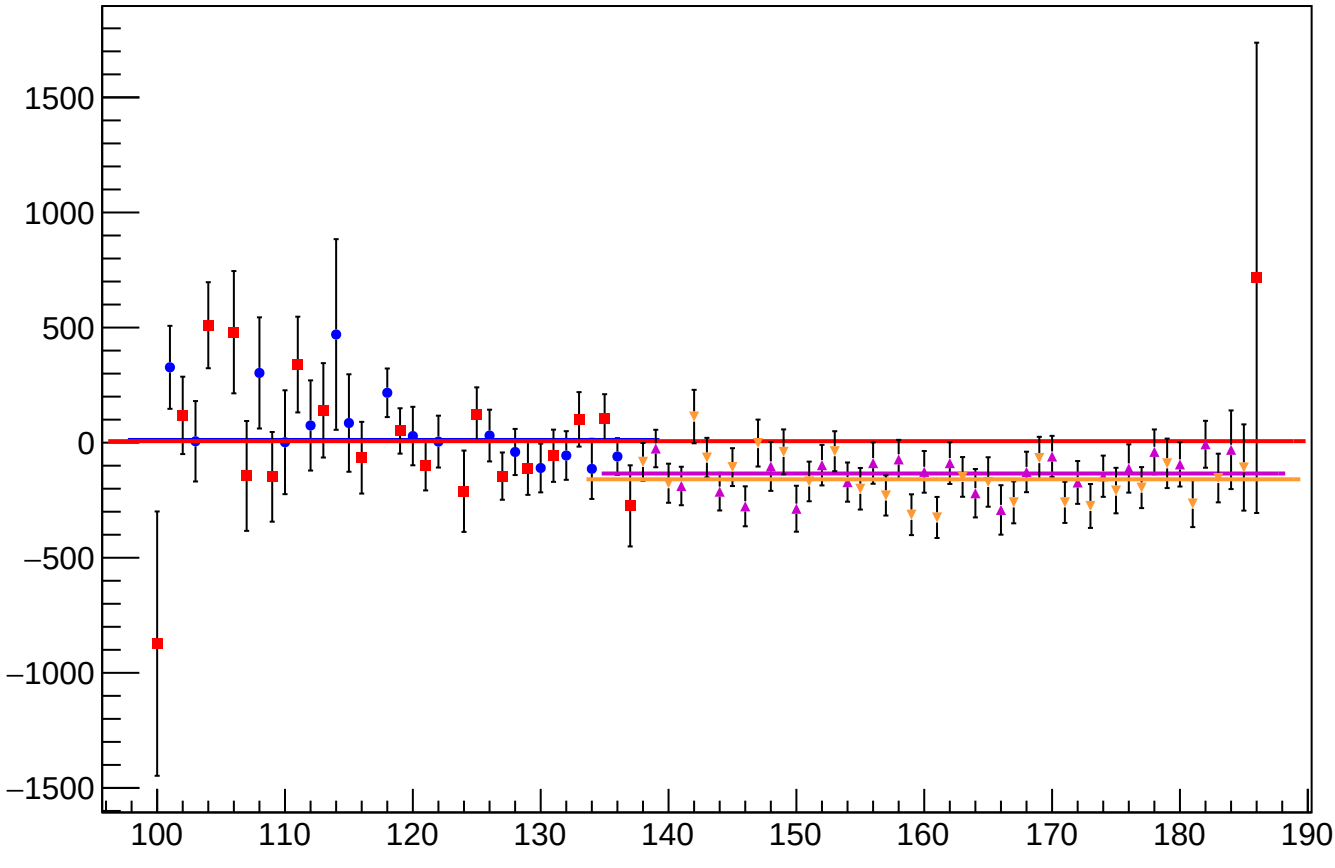
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 414.346+/-0.084 χ^2/NDF: 5397285.1/35

In: 340.826+/-0.050 χ^2/NDF:3608452.4/38

Out: 346.011+/-0.049 χ^2/NDF:4216272.1/44

All: 343.447+/-0.035 χ^2/NDF: 7830260.9/83



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

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

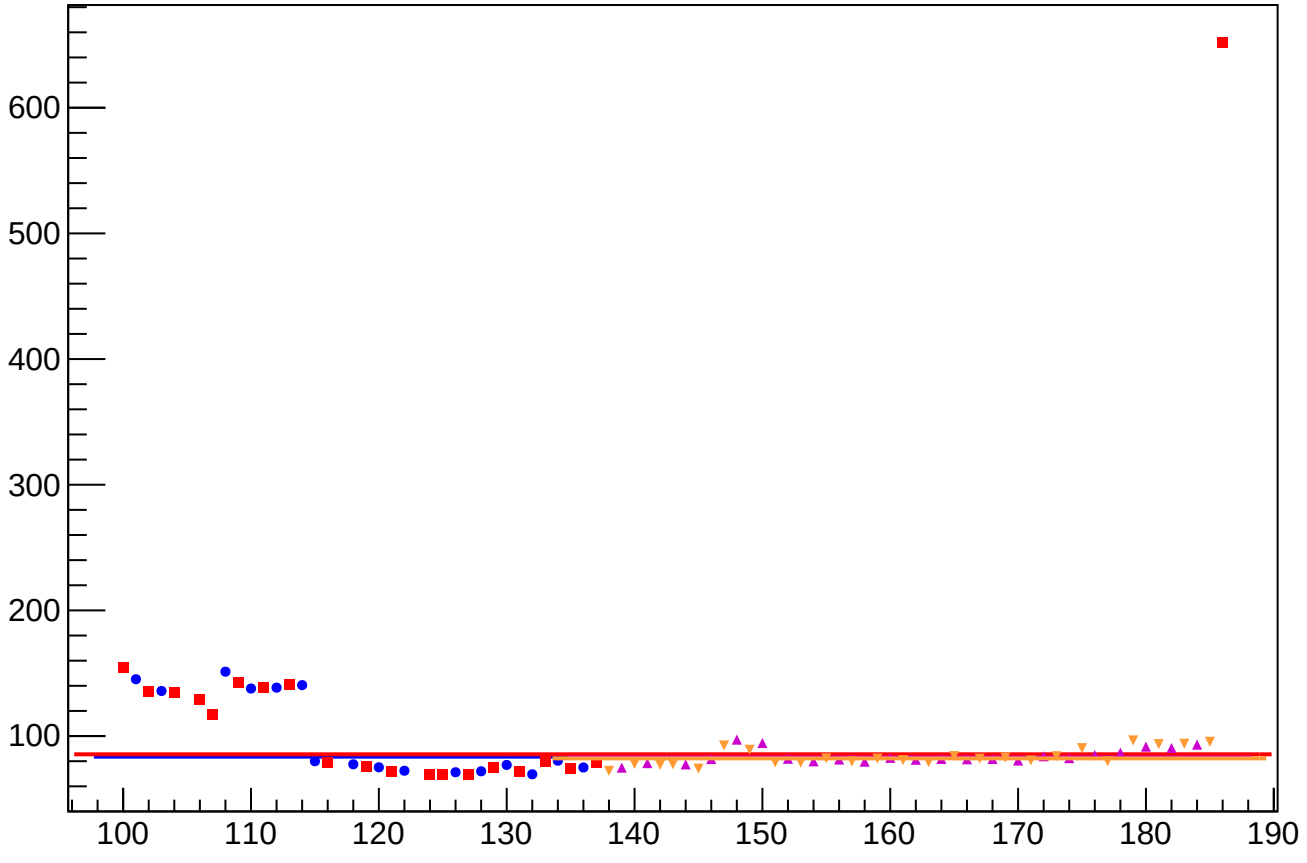
Right: 9.102+/-22.883 χ^2/NDF: 42.8/35

In: -95.270+/-16.656 χ^2/NDF:44.9/38

Out: -117.693+/-16.231 χ^2/NDF:77.0/44

All: -106.771+/-11.625 χ^2/NDF: 122.8/83

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

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

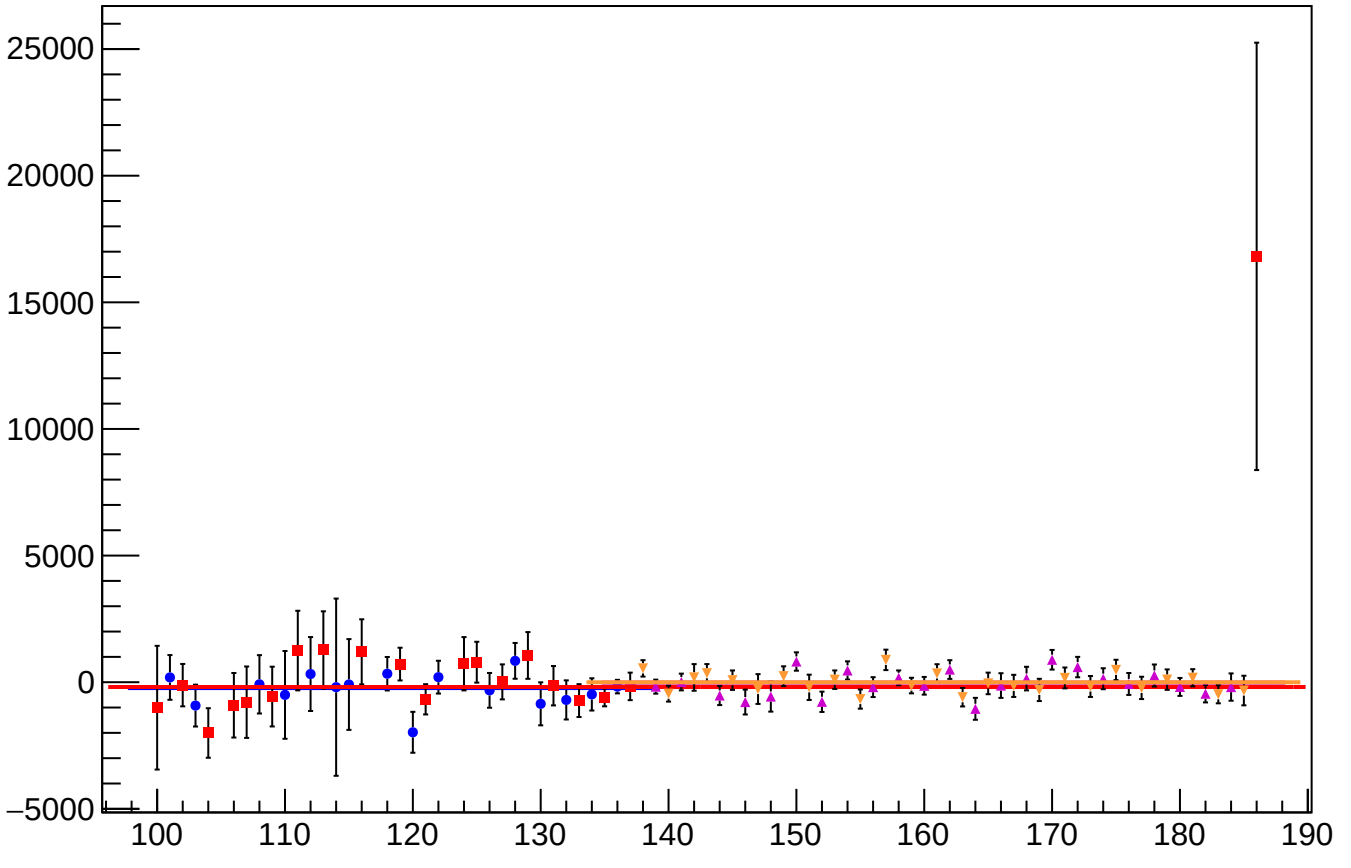
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 84.567+/-0.016 χ^2/NDF: 2774838.0/35

In: 83.170+/-0.012 χ^2/NDF:1181023.7/38

Out: 83.058+/-0.011 χ^2/NDF:1968339.2/44

All: 83.112+/-0.008 χ^2/NDF: 3149408.8/83



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

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

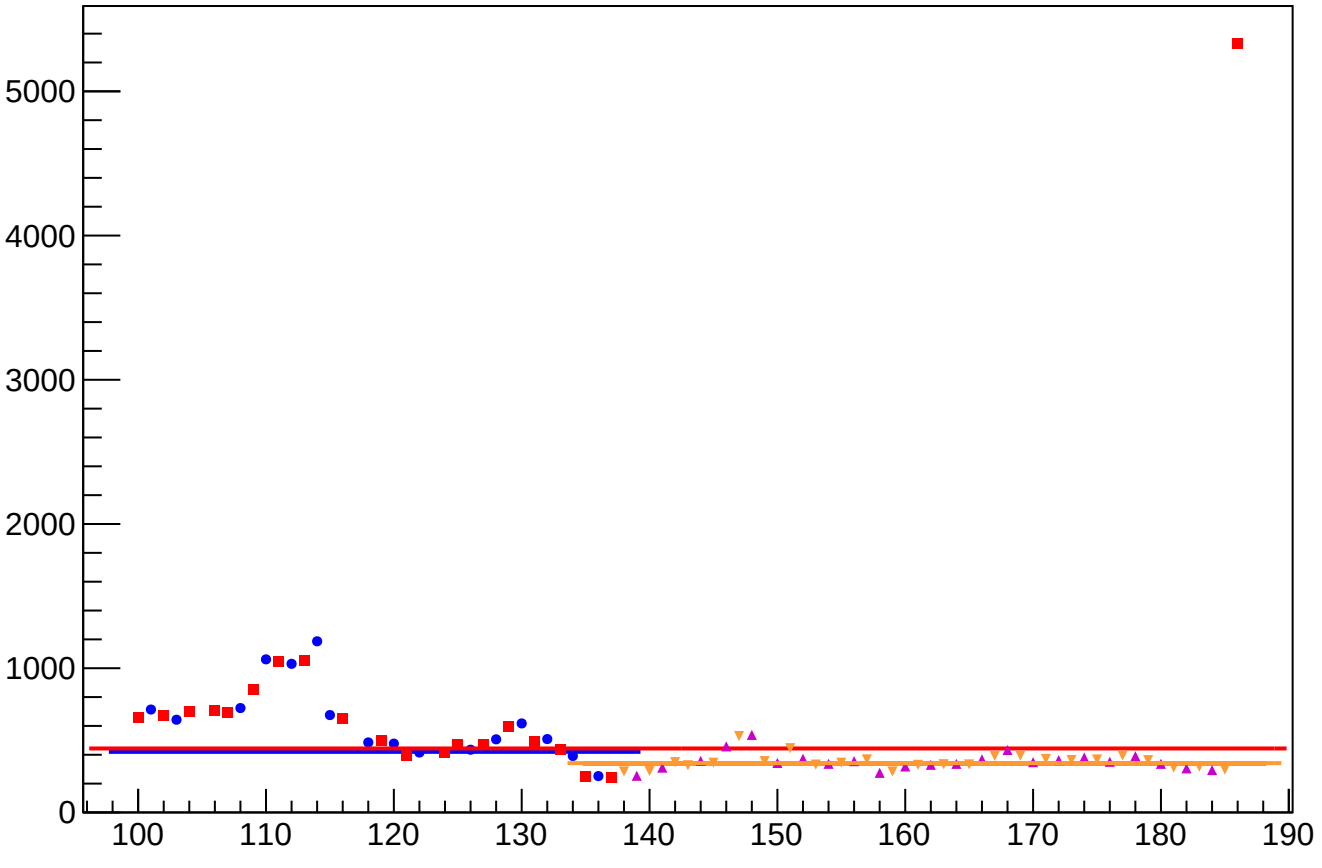
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -211.315+/-122.341 χ^2/NDF: 30.4/35

In: -55.755+/-72.699 χ^2/NDF:46.6/38

Out: -34.113+/-71.758 χ^2/NDF:44.4/44

All: -44.793+/-51.070 χ^2/NDF: 91.1/83



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

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

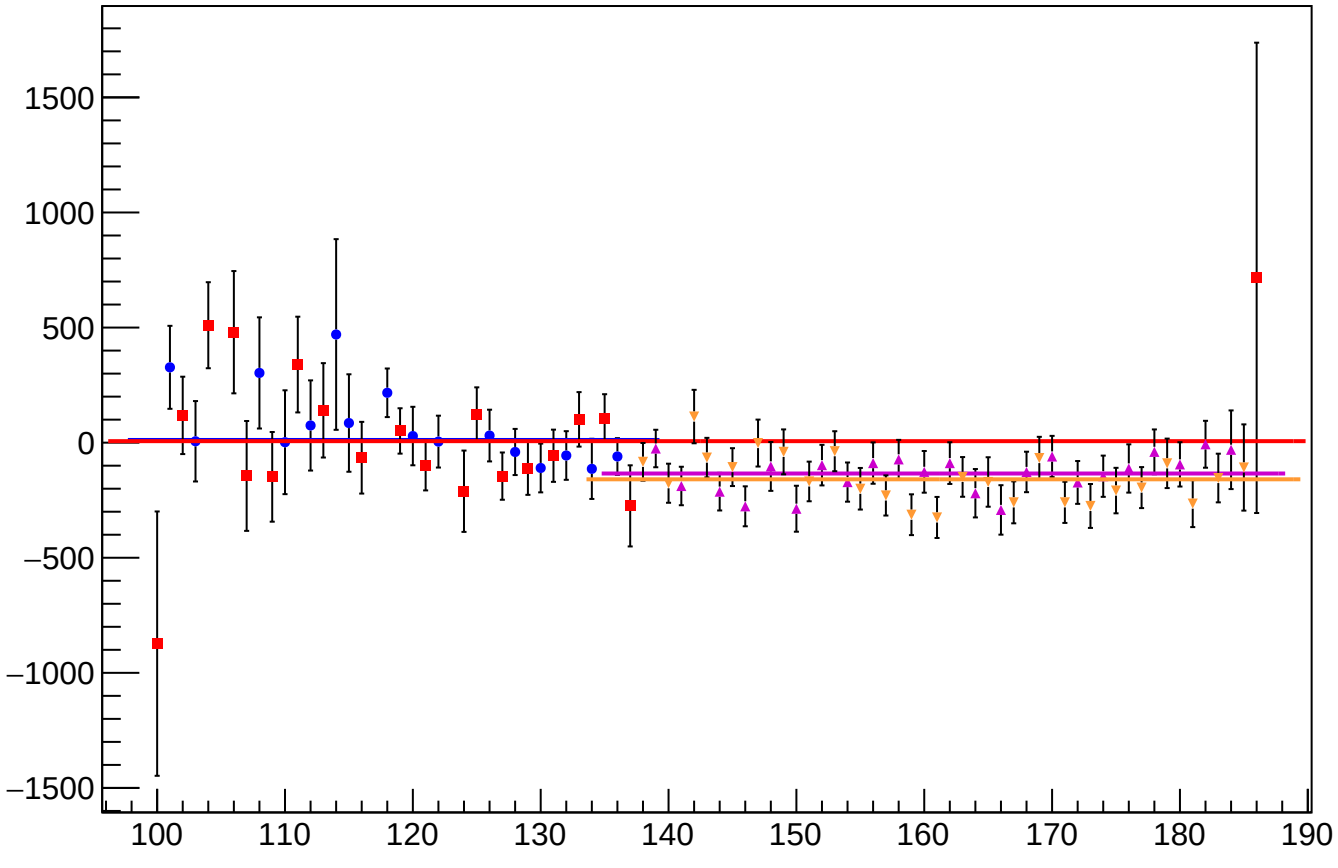
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 431.628+/-0.087 χ^2/NDF: 5251666.0/35

In: 354.201+/-0.051 χ^2/NDF:3470962.4/38

Out: 358.831+/-0.051 χ^2/NDF:4190430.3/44

All: 356.546+/-0.036 χ^2/NDF: 7665501.8/83



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

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

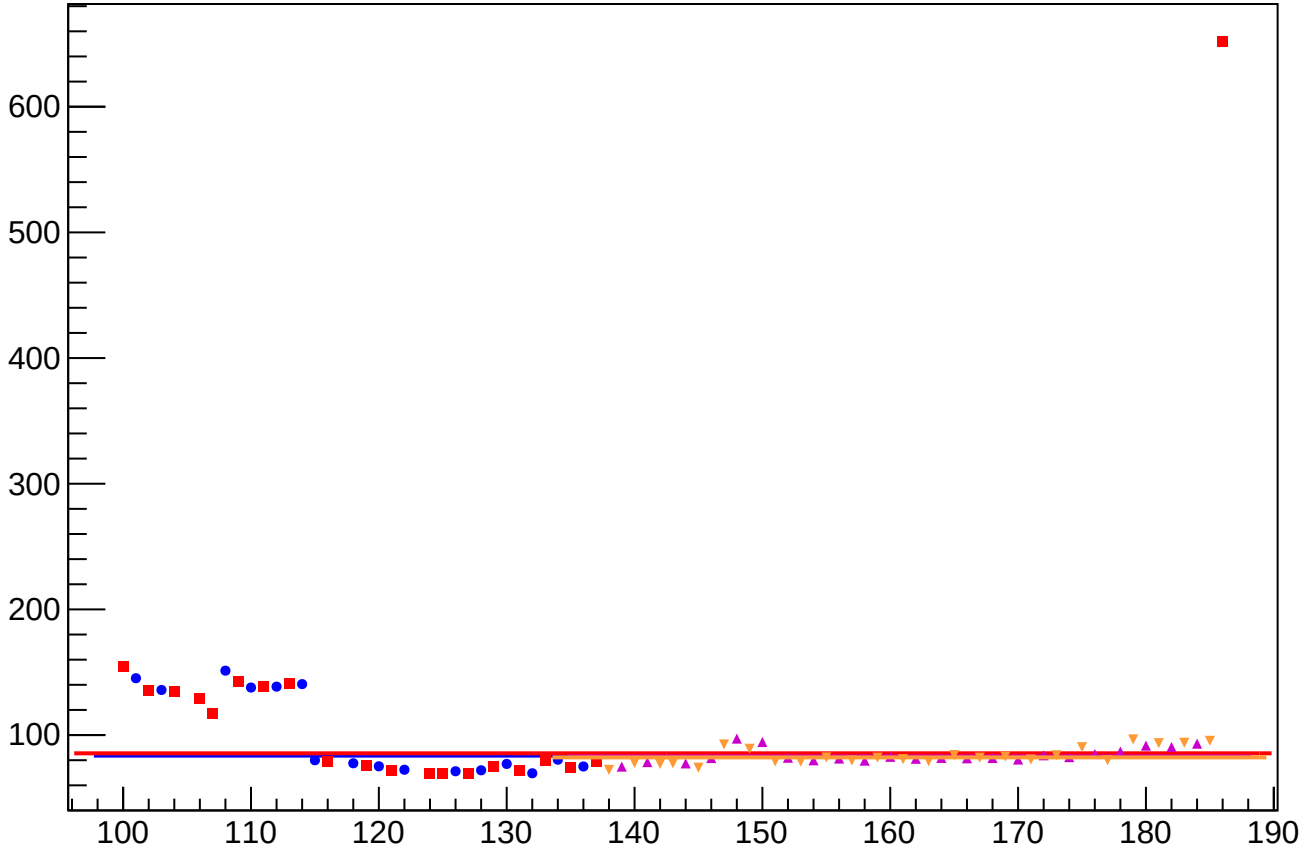
Right: 9.102+/-22.883 χ^2/NDF: 42.8/35

In: -95.269+/-16.656 χ^2/NDF:44.9/38

Out: -117.693+/-16.231 χ^2/NDF:77.0/44

All: -106.771+/-11.625 χ^2/NDF: 122.8/83

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

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

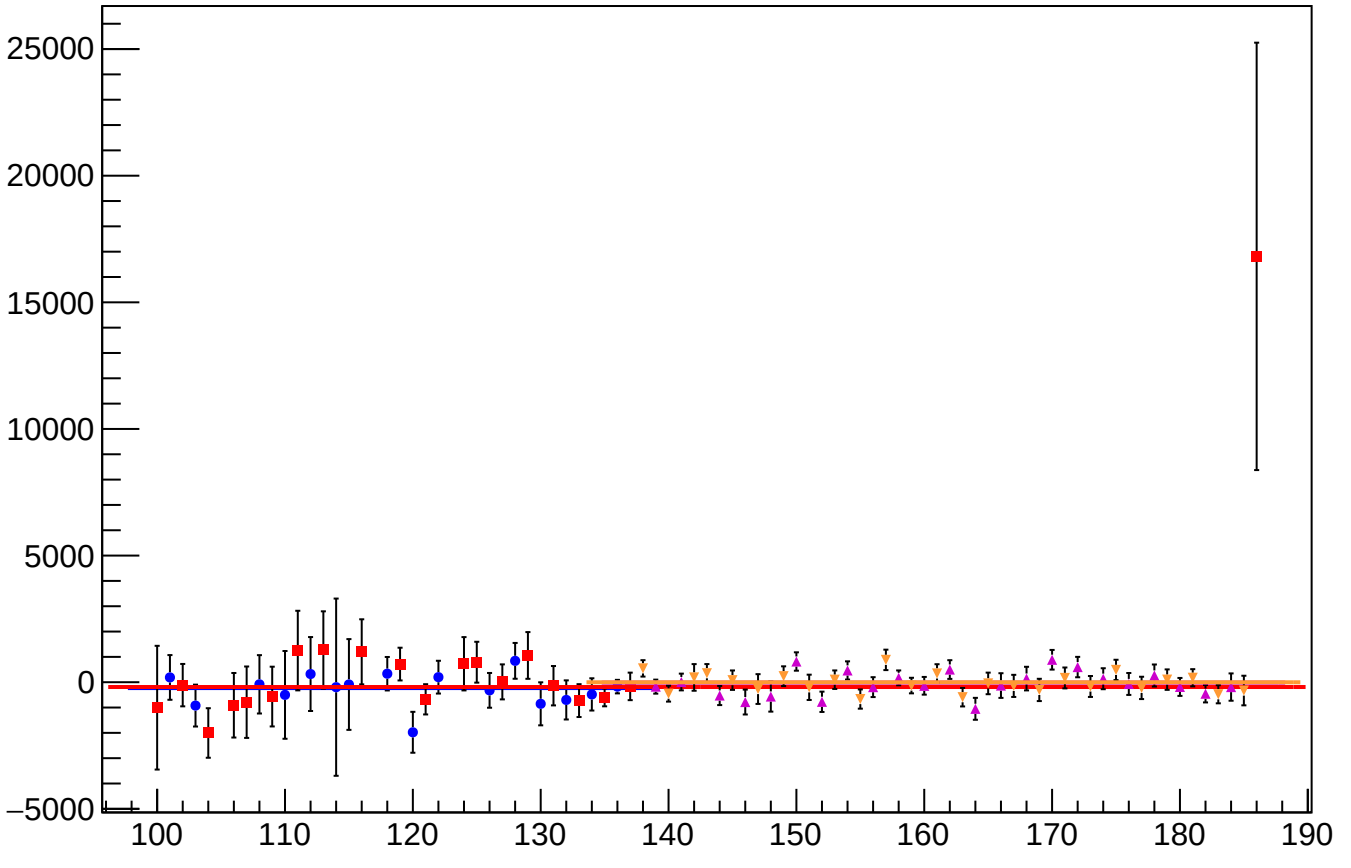
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 84.567+/-0.016 χ^2/NDF: 2774836.7/35

In: 83.170+/-0.012 χ^2/NDF:1181021.6/38

Out: 83.058+/-0.011 χ^2/NDF:1968338.1/44

All: 83.112+/-0.008 χ^2/NDF: 3149405.6/83



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

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

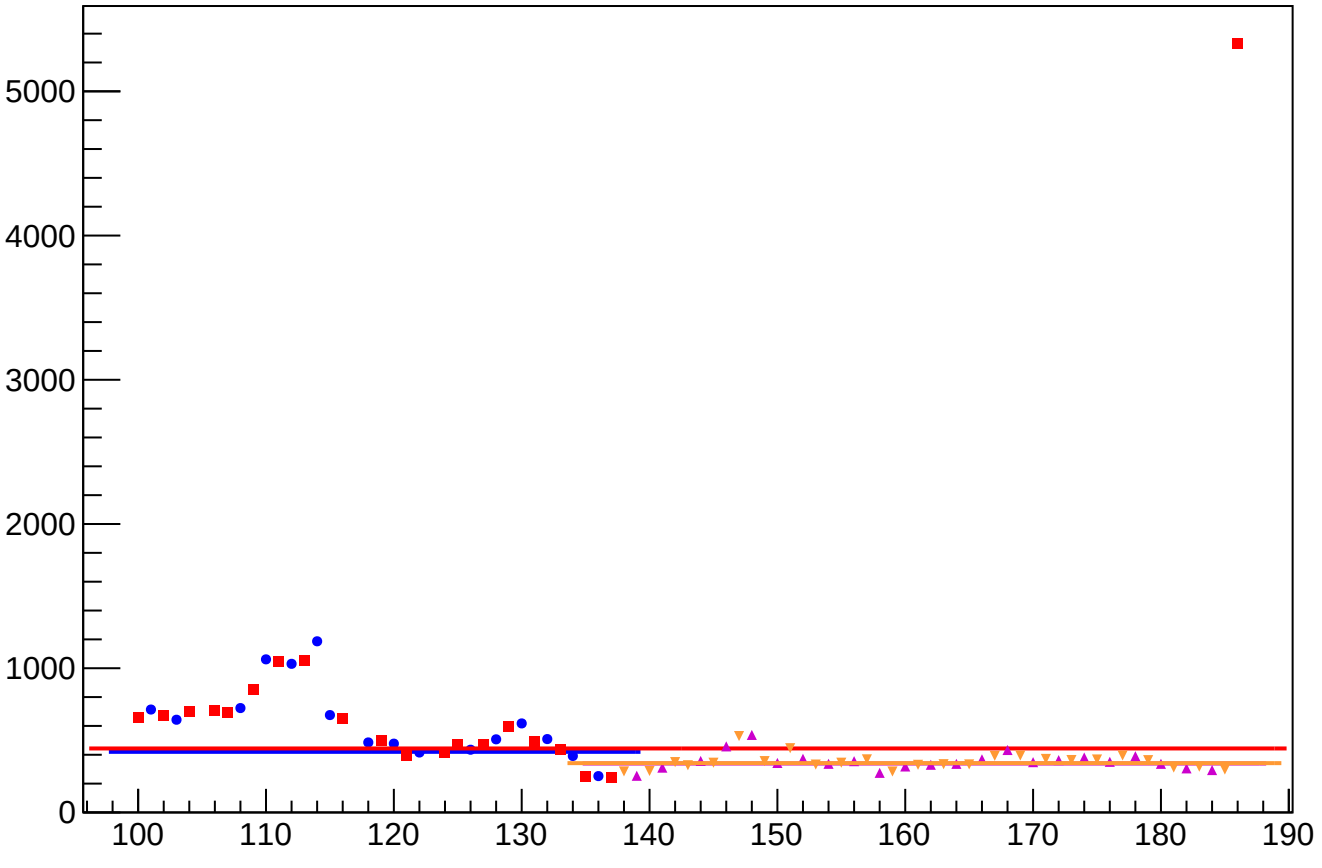
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -211.314+/-122.341 χ^2/NDF: 30.4/35

In: -55.755+/-72.699 χ^2/NDF:46.6/38

Out: -34.112+/-71.758 χ^2/NDF:44.4/44

All: -44.793+/-51.070 χ^2/NDF: 91.1/83



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

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

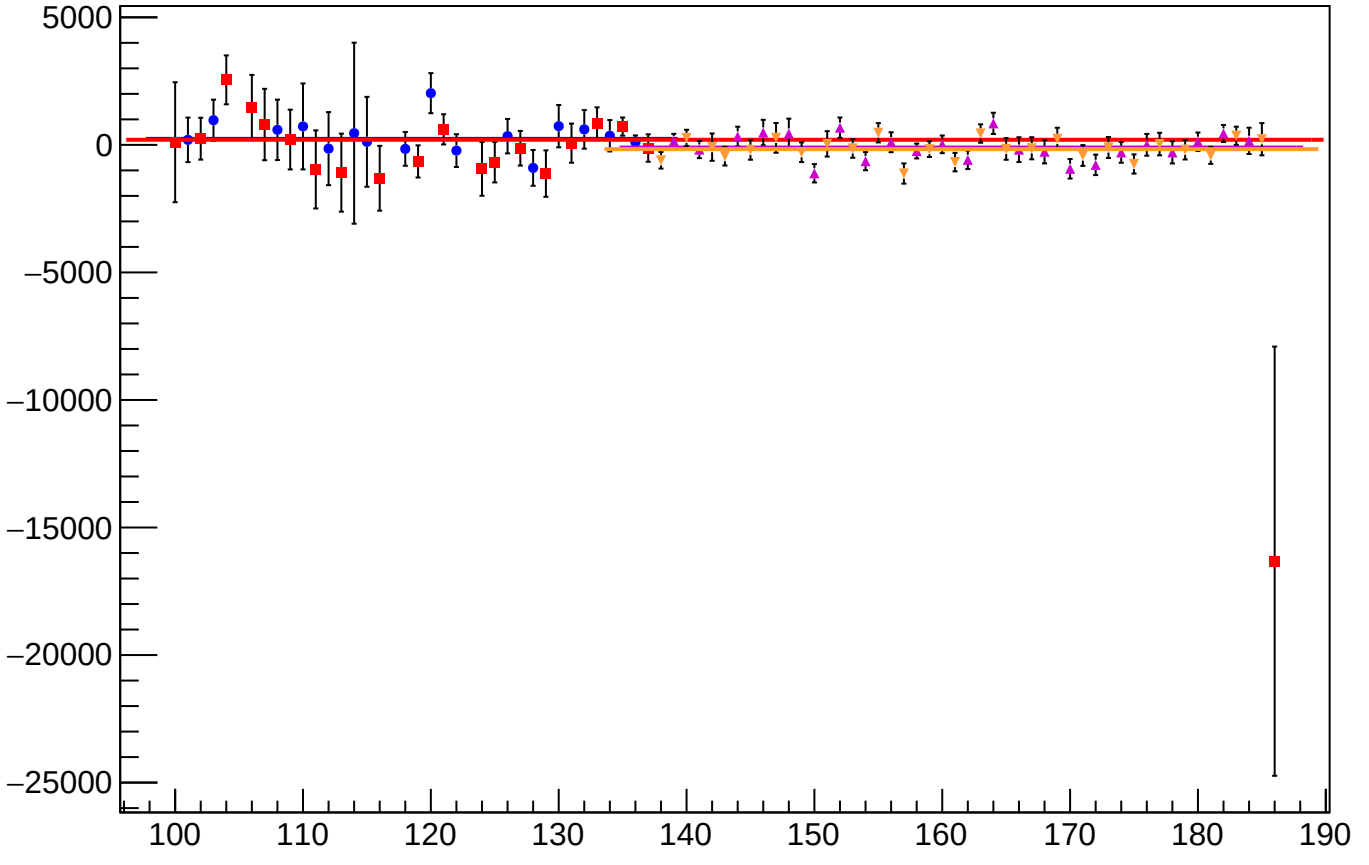
Right: 431.627+/-0.087 χ^2/NDF: 5251677.5/35

In: 354.201+/-0.051 χ^2/NDF:3470966.0/38

Out: 358.831+/-0.051 χ^2/NDF:4190432.2/44

All: 356.546+/-0.036 χ^2/NDF: 7665507.4/83

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

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

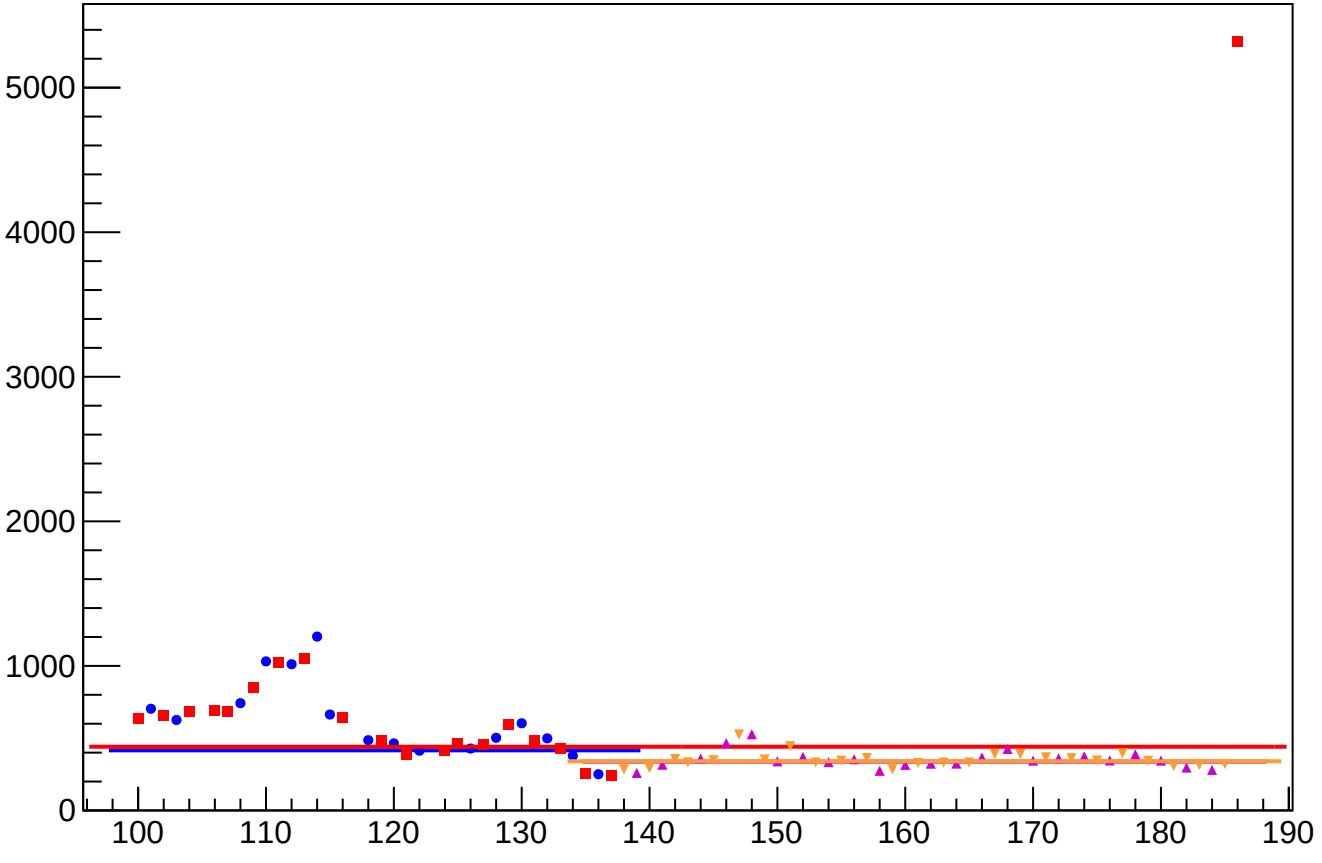
Right: 218.579+/-121.160 χ^2/NDF: 34.9/35

In: -41.468+/-72.241 χ^2/NDF:51.5/38

Out: -105.935+/-71.358 χ^2/NDF:53.5/44

All: -74.098+/-50.767 χ^2/NDF: 105.4/83

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

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

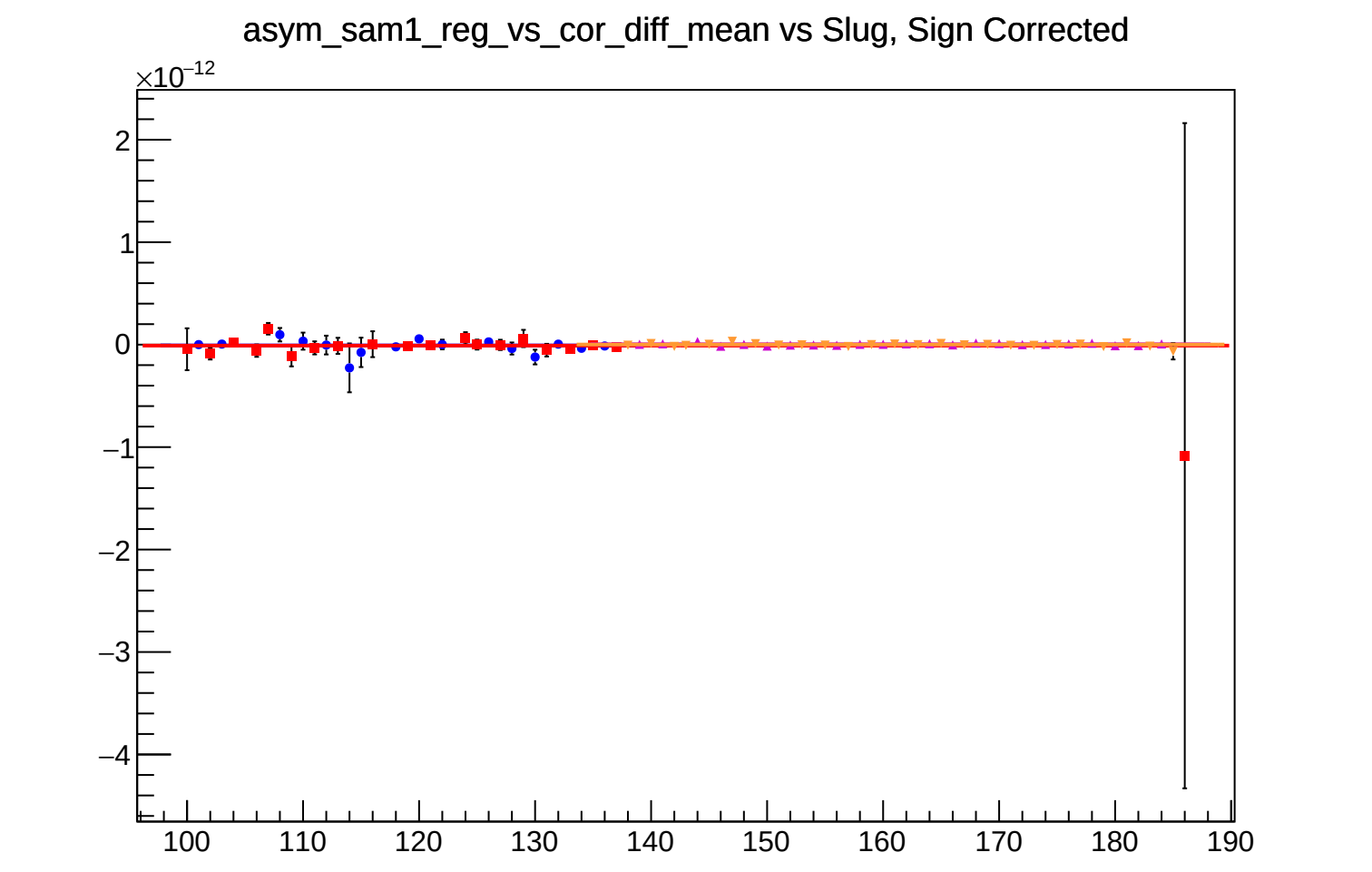
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 427.885+/-0.086 χ^2/NDF: 5152587.4/35

In: 352.162+/-0.051 χ^2/NDF:3396113.6/38

Out: 357.160+/-0.050 χ^2/NDF:4062871.0/44

All: 354.692+/-0.036 χ^2/NDF: 7463830.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/19

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

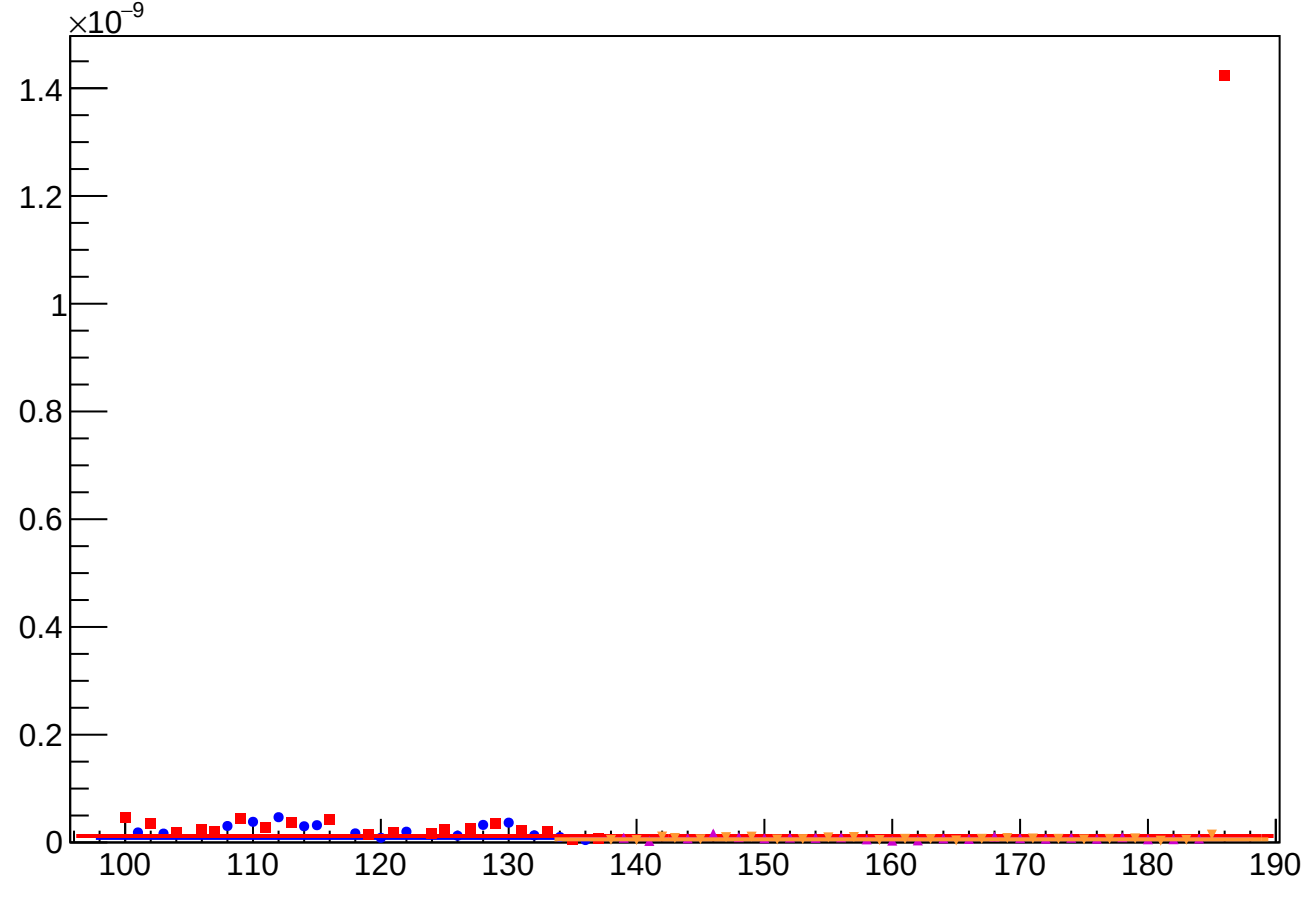
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 31.2/35

In: 0.000+/-0.000 χ^2/NDF:29.6/38

Out: 0.000+/-0.000 χ^2/NDF:34.2/44

All: 0.000+/-0.000 χ^2/NDF: 64.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

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

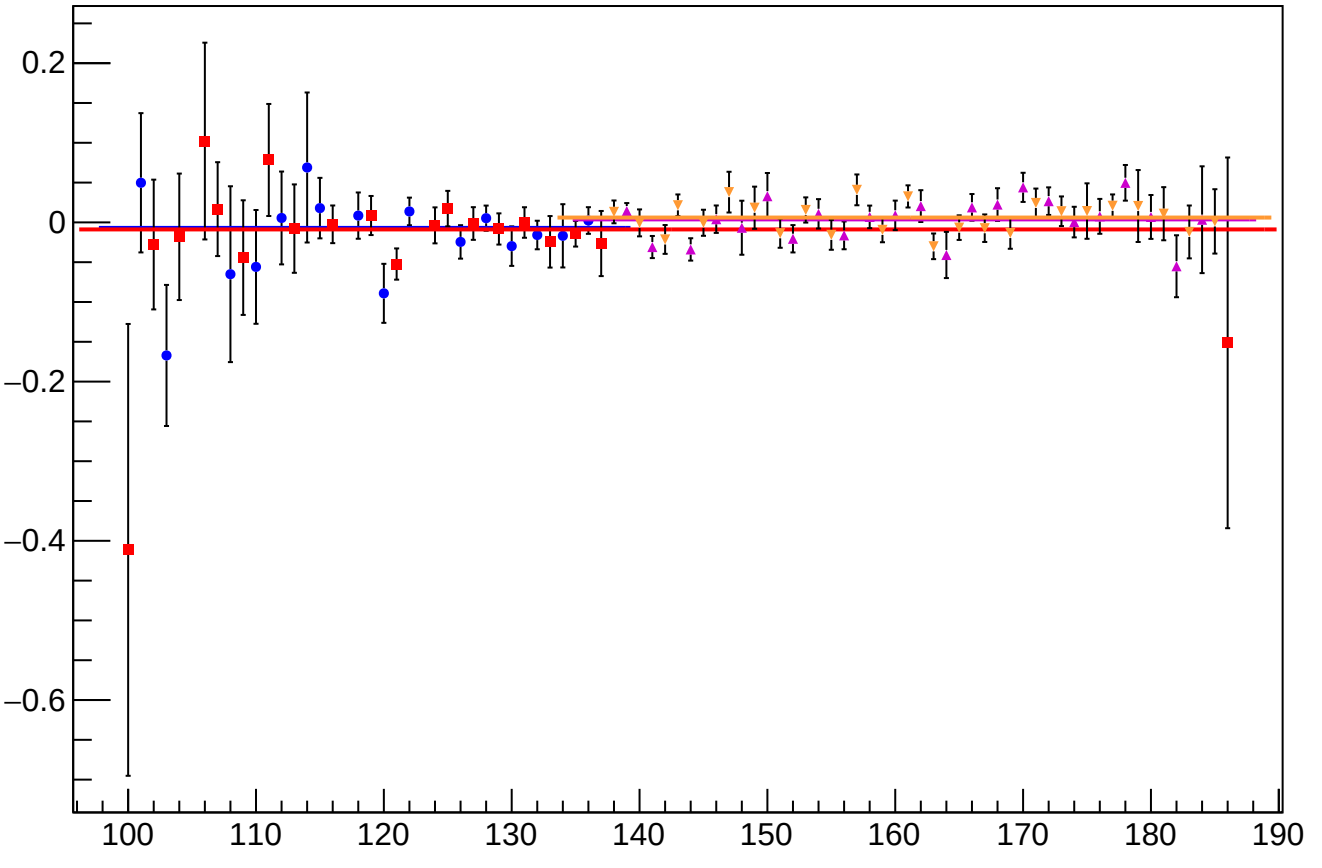
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 6132443.4/35

In: 0.000+/-0.000 χ^2/NDF:4944878.5/38

Out: 0.000+/-0.000 χ^2/NDF:5351450.2/44

All: 0.000+/-0.000 χ^2/NDF: 10312421.5/83



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

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

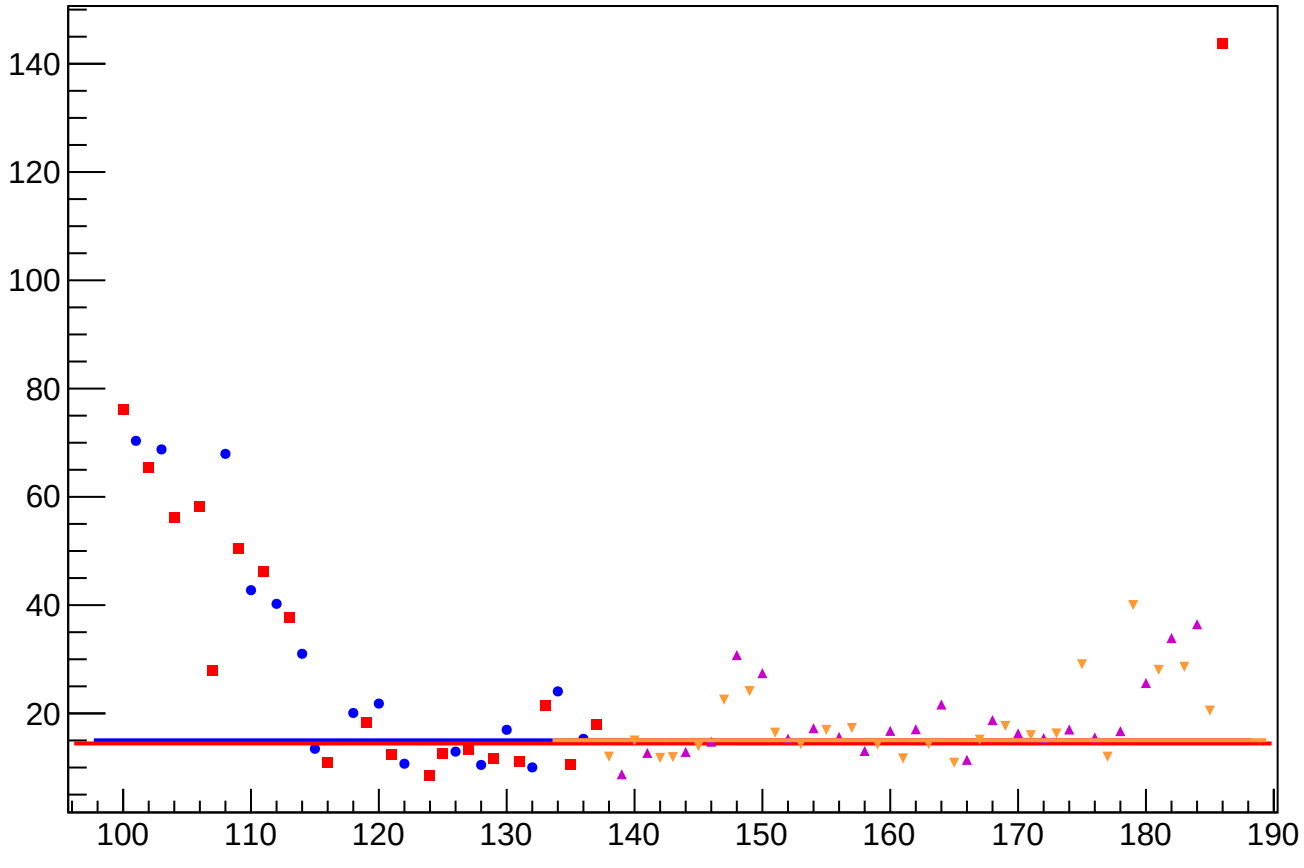
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.008+/-0.005 χ^2/NDF: 28.0/35

In: 0.001+/-0.003 χ^2/NDF:54.0/38

Out: 0.002+/-0.003 χ^2/NDF:43.8/44

All: 0.002+/-0.002 χ^2/NDF: 97.8/83



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

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

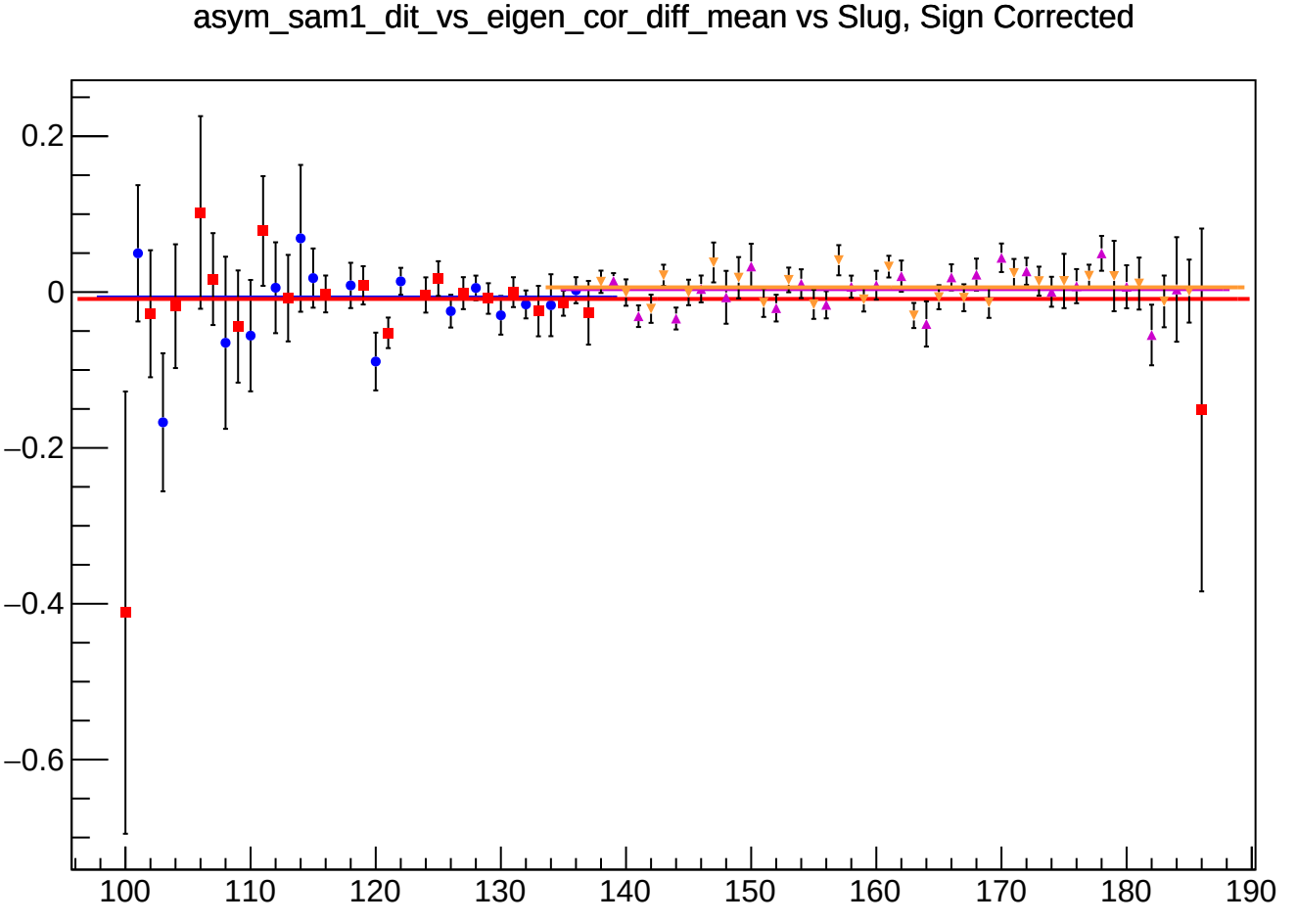
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 14.720+/-0.003 χ^2/NDF: 7692159.9/35

In: 15.057+/-0.002 χ^2/NDF:6504911.2/38

Out: 14.896+/-0.002 χ^2/NDF:7017455.6/44

All: 14.973+/-0.002 χ^2/NDF: 13524800.8/83


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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−0.2
−0.4
−0.6
100
110
120
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140
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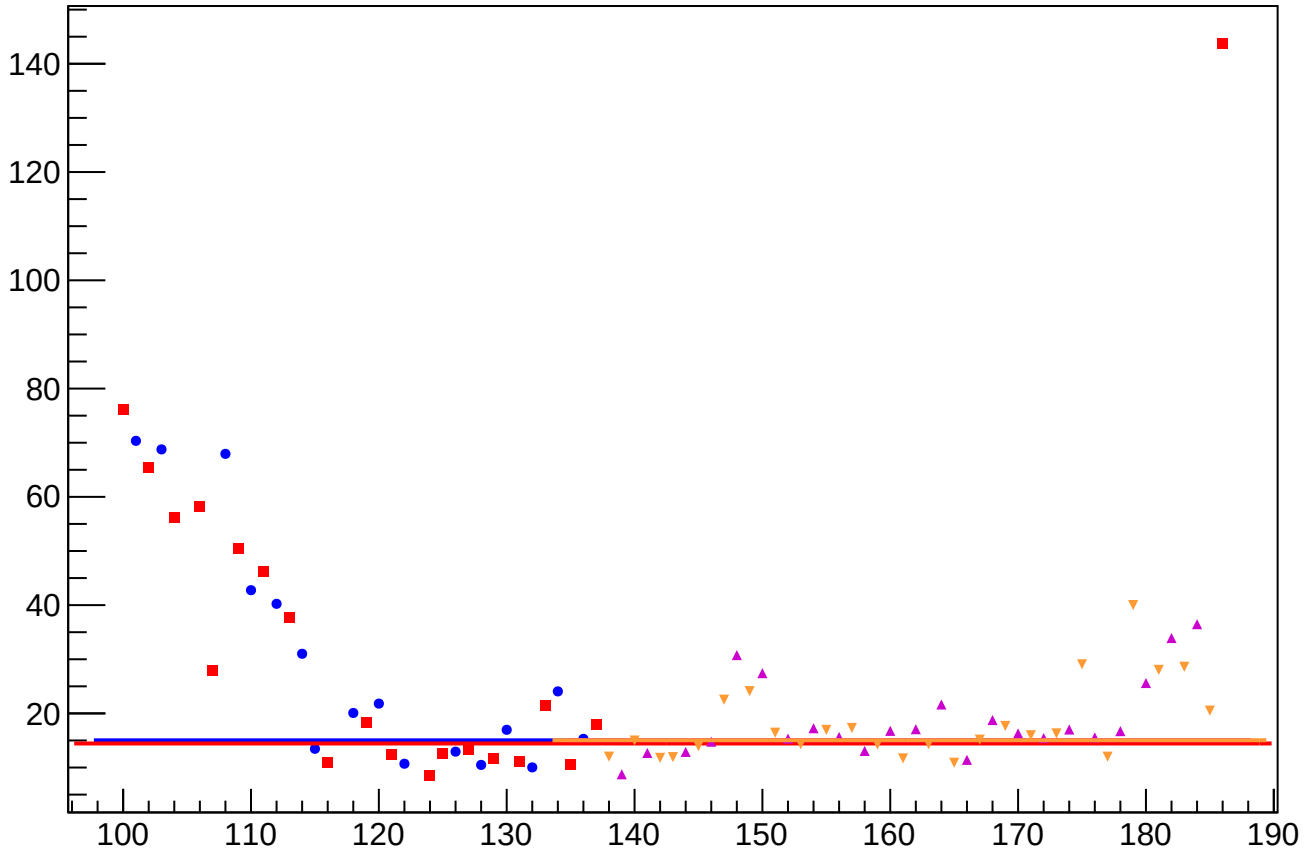
160
170
180
190
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.009+/-0.006 χ²/NDF: 13.0/19
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.008+/-0.005 χ²/NDF: 28.0/35
In: 0.001+/-0.003 χ²/NDF:54.0/38
Out: 0.002+/-0.003 χ²/NDF:43.8/44
All: 0.002+/-0.002 χ²/NDF: 97.8/83



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

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

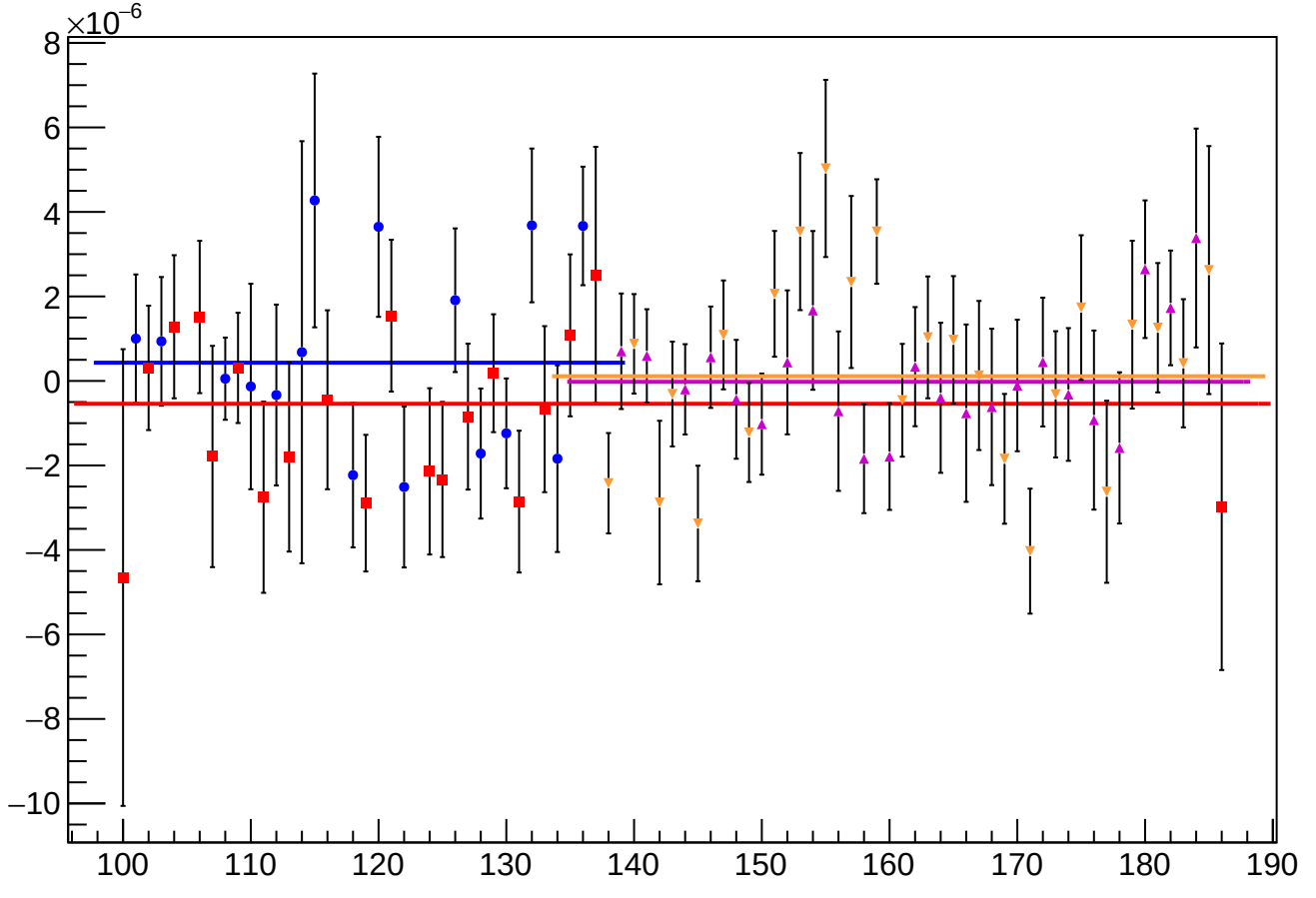
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 14.720+/-0.003 χ^2/NDF: 7692159.9/35

In: 15.057+/-0.002 χ^2/NDF:6504911.2/38

Out: 14.896+/-0.002 χ^2/NDF:7017455.6/44

All: 14.973+/-0.002 χ^2/NDF: 13524800.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

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

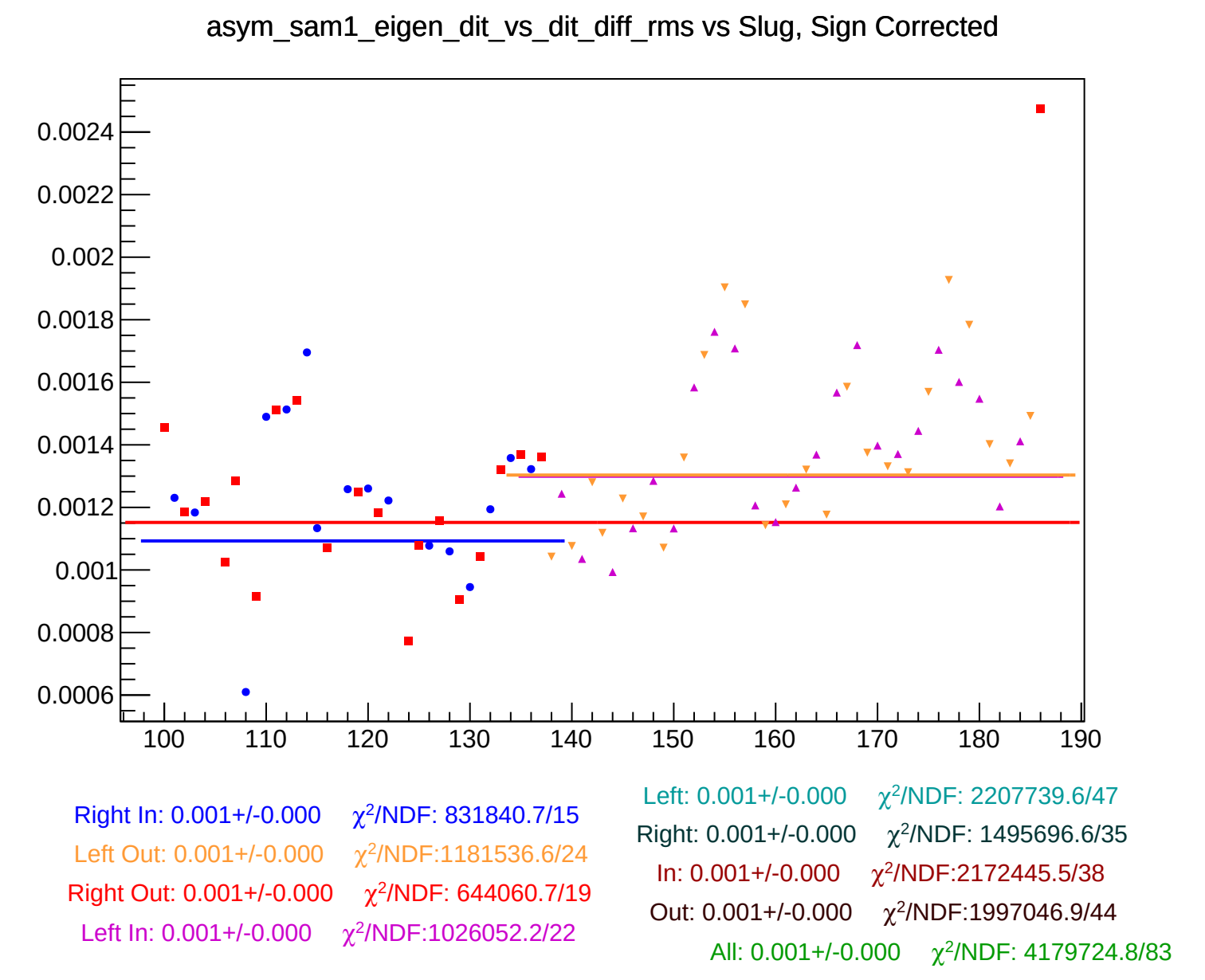
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

Right: -0.000+/-0.000 χ^2/NDF: 40.6/35

In: 0.000+/-0.000 χ^2/NDF:38.1/38

Out: -0.000+/-0.000 χ^2/NDF:66.3/44

All: 0.000+/-0.000 χ^2/NDF: 104.9/83


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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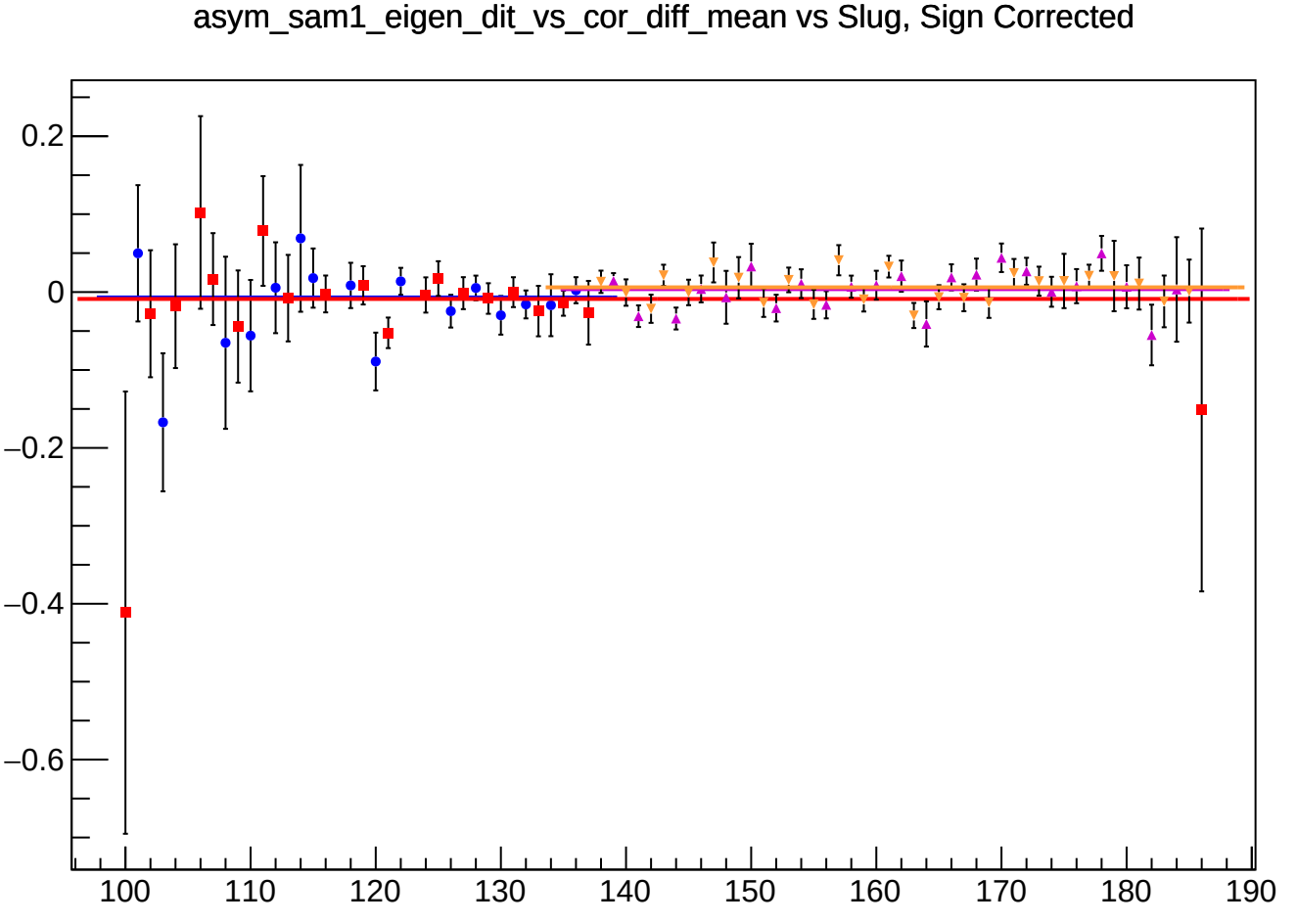
190
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 644060.7/19
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
Left: 0.001+/-0.000 χ²/NDF: 2207739.6/47
Right: 0.001+/-0.000 χ²/NDF: 1495696.6/35
In: 0.001+/-0.000 χ²/NDF:2172445.5/38
Out: 0.001+/-0.000 χ²/NDF:1997046.9/44
All: 0.001+/-0.000 χ²/NDF: 4179724.8/83


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
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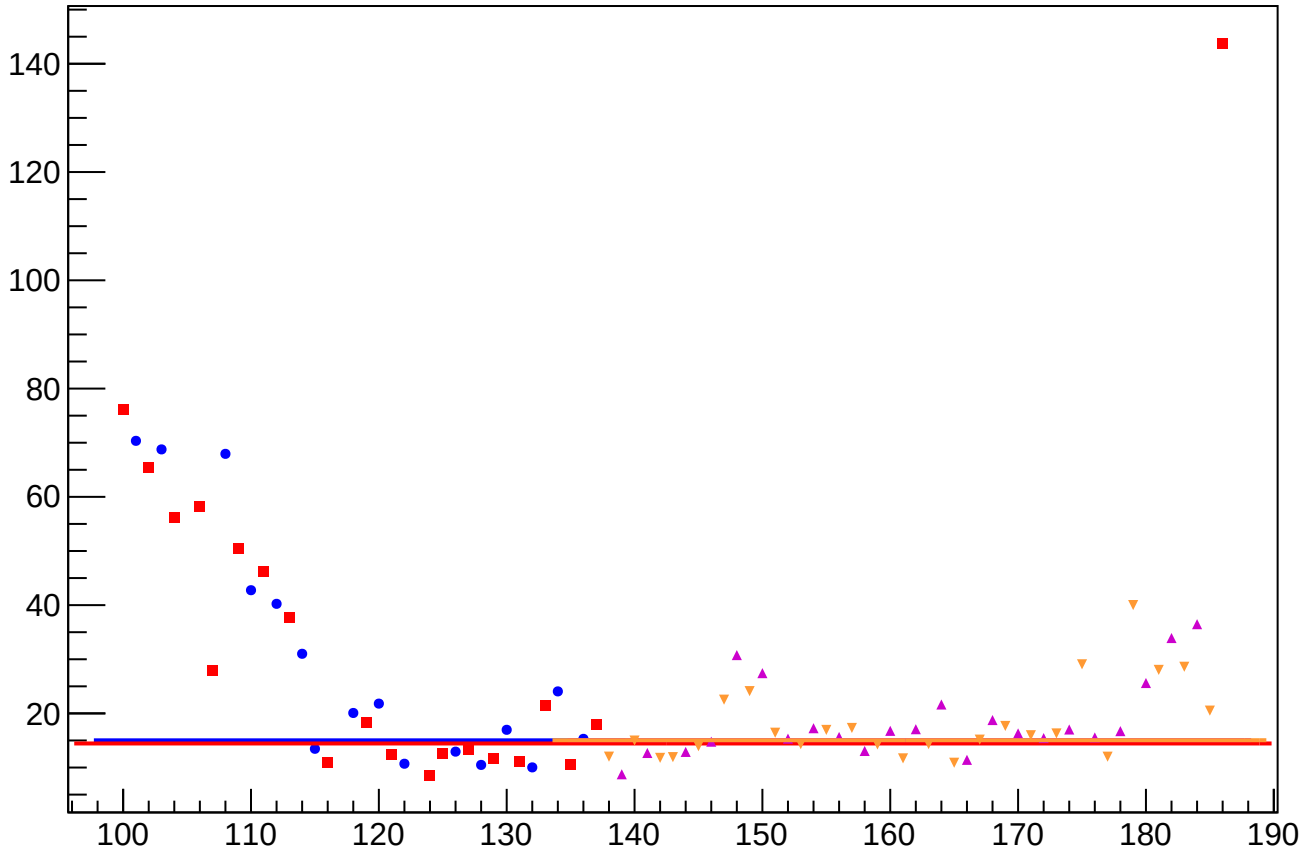
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.009+/-0.006 χ²/NDF: 13.0/19
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.008+/-0.005 χ²/NDF: 28.0/35
In: 0.001+/-0.003 χ²/NDF:54.0/38
Out: 0.002+/-0.003 χ²/NDF:43.8/44
All: 0.002+/-0.002 χ²/NDF: 97.8/83



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

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

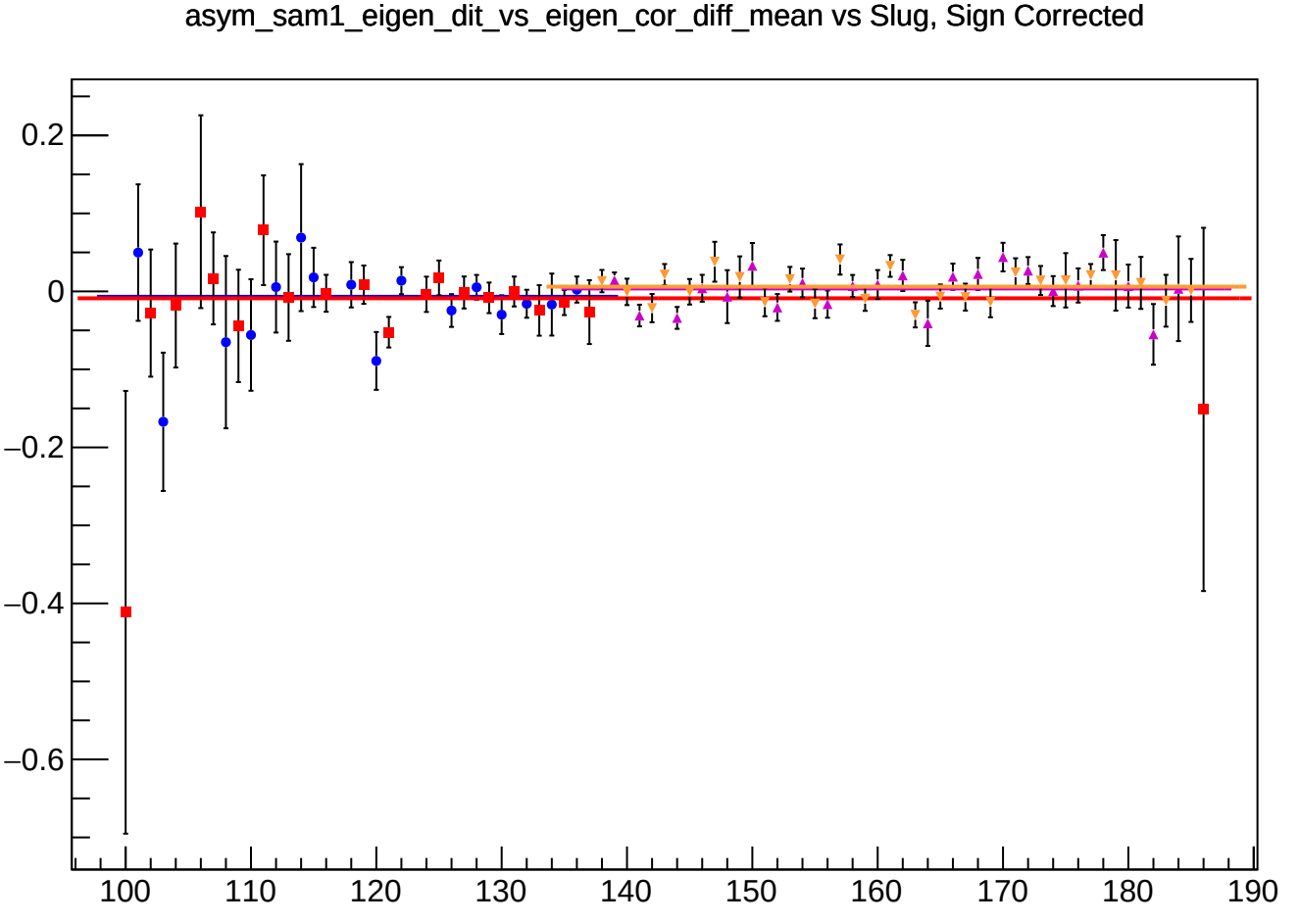
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 14.720+/-0.003 χ^2/NDF: 7692167.7/35

In: 15.057+/-0.002 χ^2/NDF:6504973.4/38

Out: 14.896+/-0.002 χ^2/NDF:7017650.8/44

All: 14.973+/-0.002 χ^2/NDF: 13525059.2/83


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
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−0.2
−0.4
−0.6
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140
150
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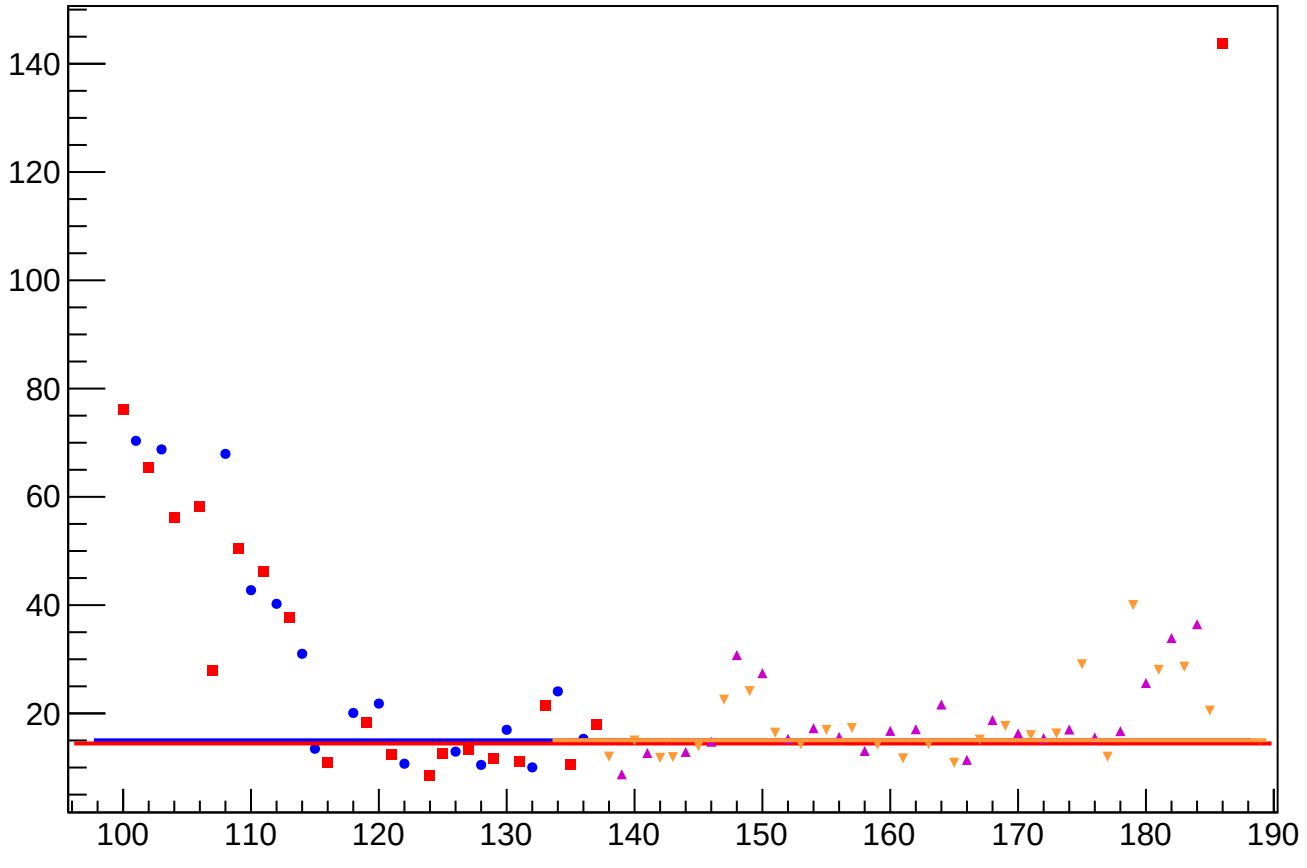
170
180
190
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.009+/-0.006 χ²/NDF: 13.0/19
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.008+/-0.005 χ²/NDF: 28.0/35
In: 0.001+/-0.003 χ²/NDF:54.0/38
Out: 0.002+/-0.003 χ²/NDF:43.8/44
All: 0.002+/-0.002 χ²/NDF: 97.8/83



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

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

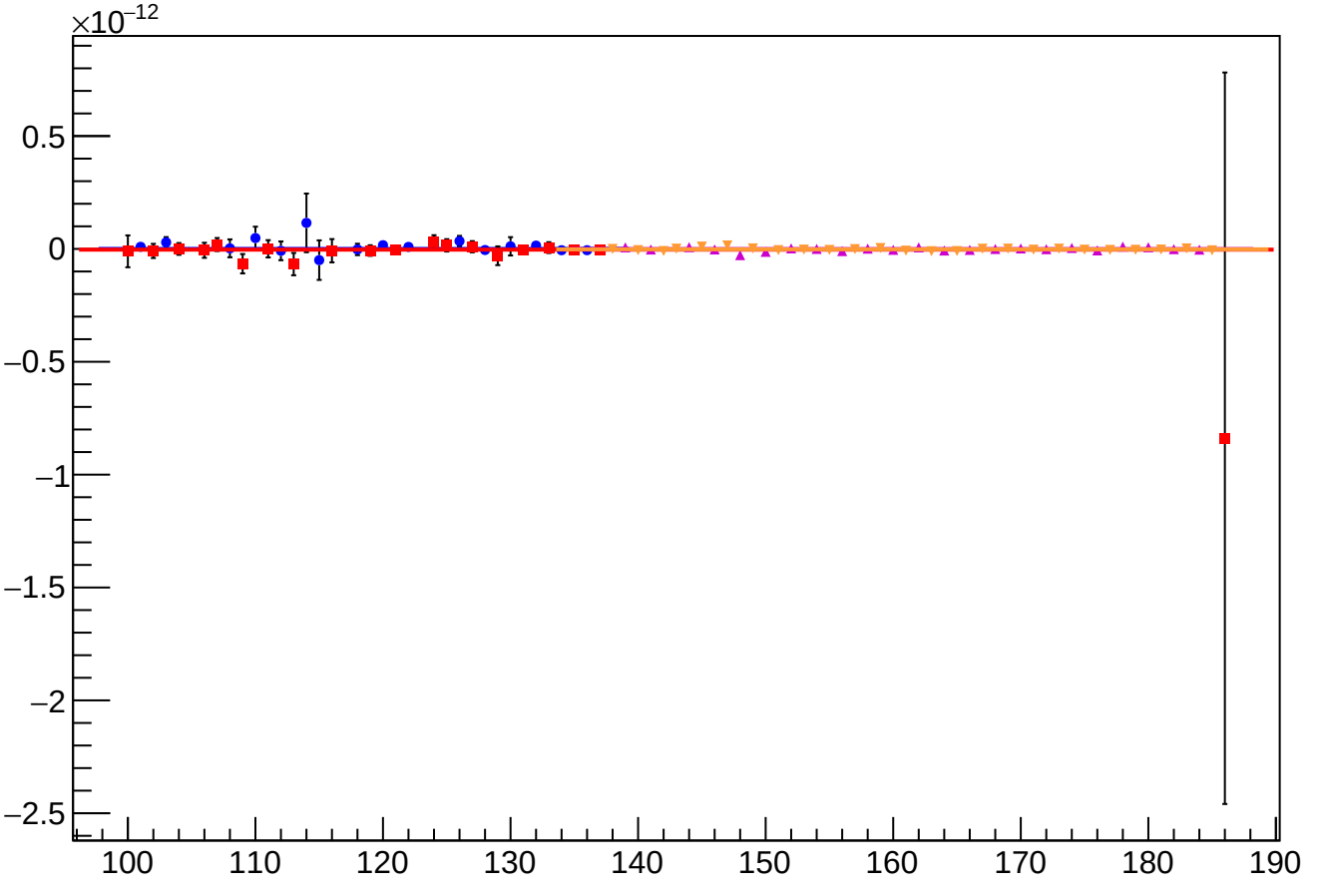
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 14.720+/-0.003 χ^2/NDF: 7692167.7/35

In: 15.057+/-0.002 χ^2/NDF:6504973.4/38

Out: 14.896+/-0.002 χ^2/NDF:7017650.8/44

All: 14.973+/-0.002 χ^2/NDF: 13525059.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

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

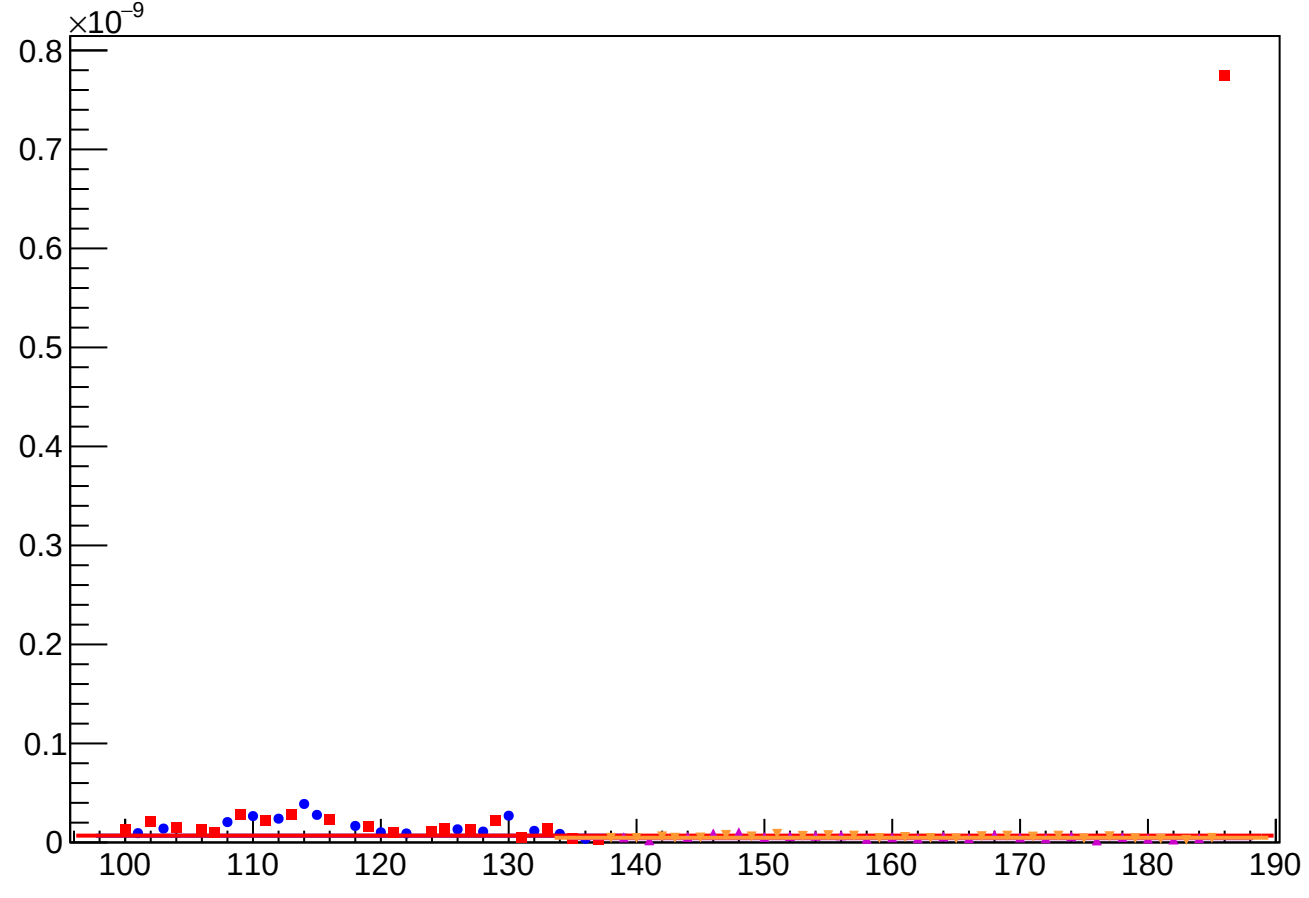
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 16.9/35

In: -0.000+/-0.000 χ^2/NDF:30.7/38

Out: -0.000+/-0.000 χ^2/NDF:22.6/44

All: -0.000+/-0.000 χ^2/NDF: 53.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

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

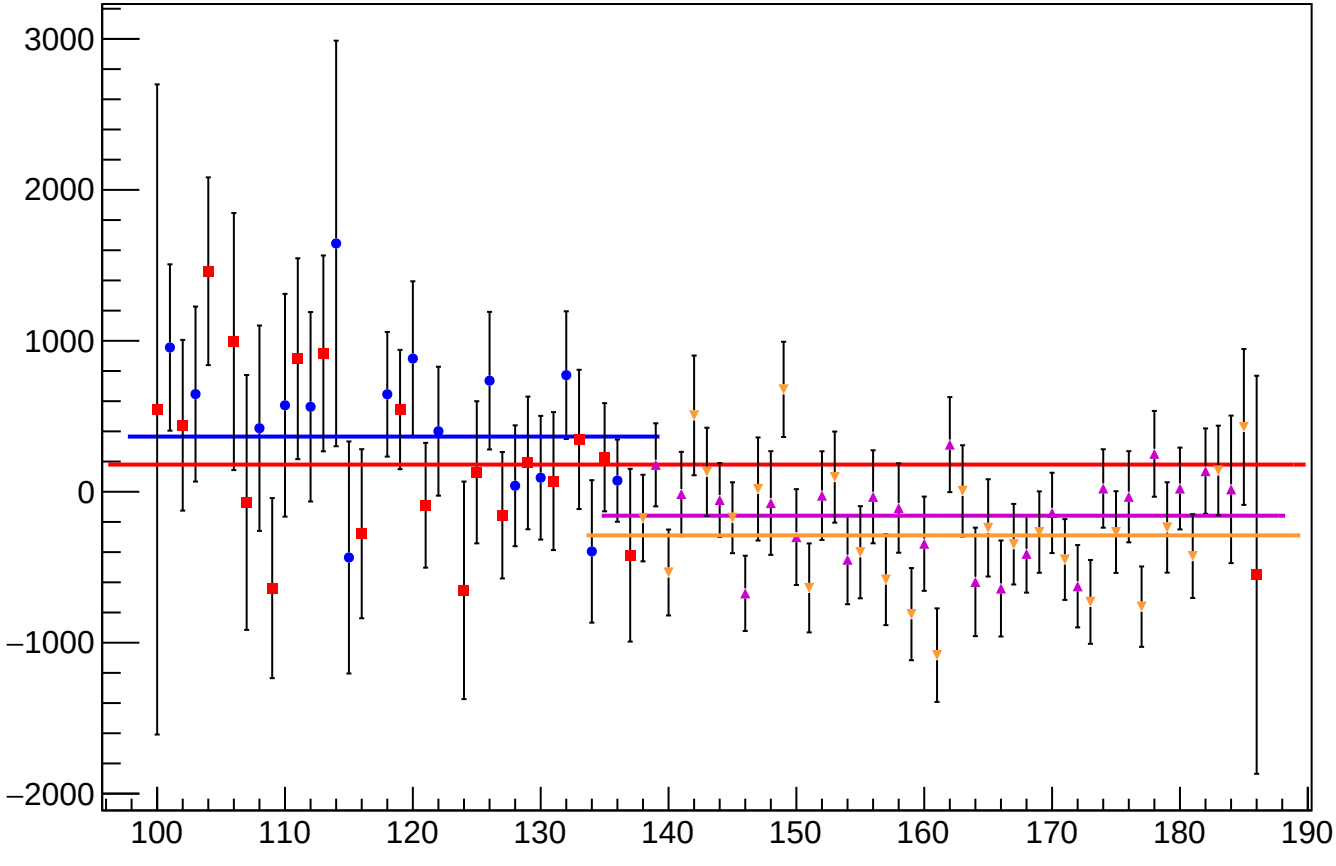
Right: 0.000+/-0.000 χ^2/NDF: 8202283.5/35

In: 0.000+/-0.000 χ^2/NDF:7833893.5/38

Out: 0.000+/-0.000 χ^2/NDF:7314071.4/44

All: 0.000+/-0.000 χ^2/NDF: 15268879.0/83

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

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

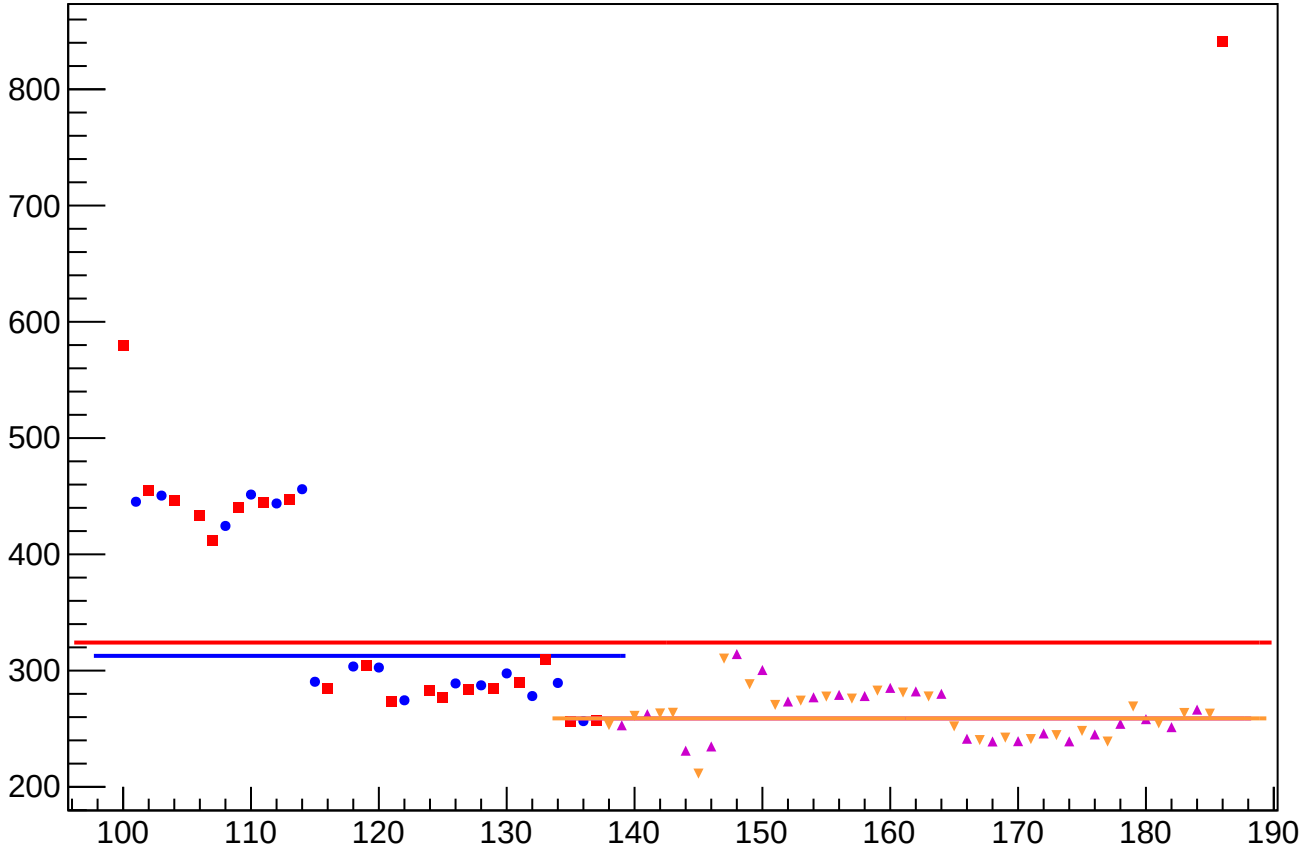
Right: 273.443+/-84.344 χ^2/NDF: 28.0/35

In: -50.179+/-54.065 χ^2/NDF:49.4/38

Out: -197.155+/-52.945 χ^2/NDF:70.1/44

All: -125.205+/-37.828 χ^2/NDF: 123.3/83

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

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

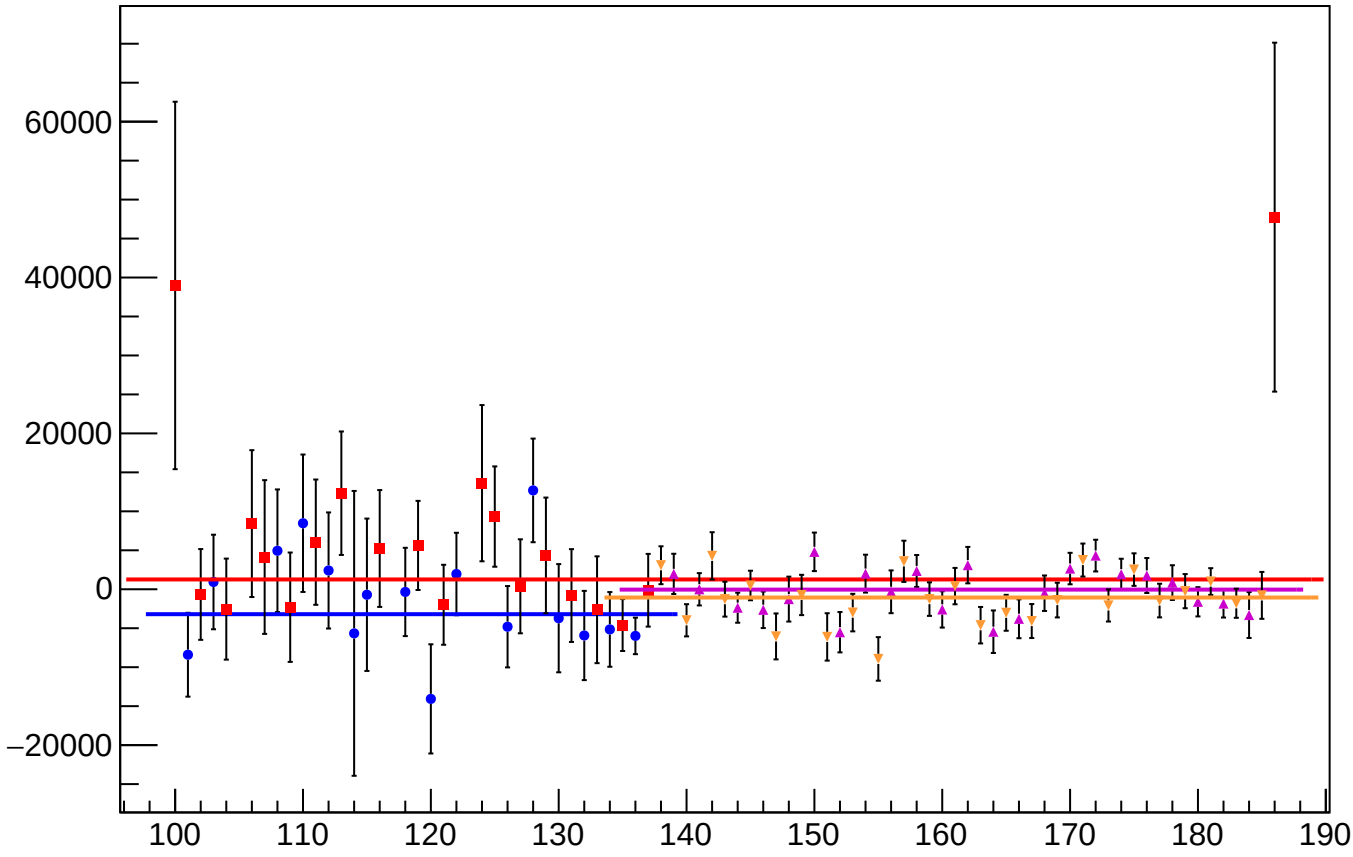
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.369+/-0.060 χ^2/NDF: 1619070.7/35

In: 269.980+/-0.038 χ^2/NDF:1172563.6/38

Out: 271.674+/-0.037 χ^2/NDF:1734063.4/44

All: 270.845+/-0.027 χ^2/NDF: 2907629.3/83



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

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

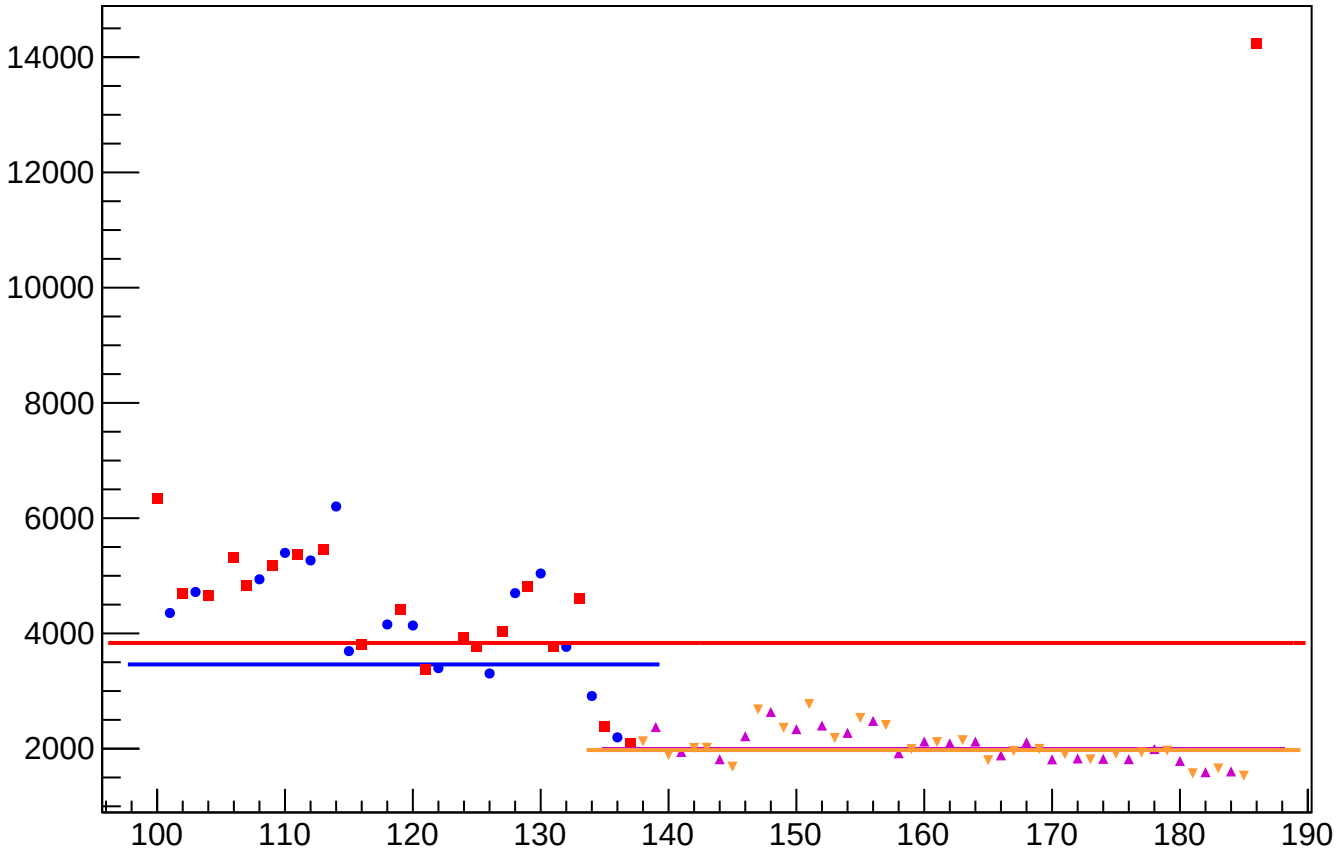
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1107.702+/-986.461 χ^2/NDF: 39.9/35

In: -384.545+/-444.594 χ^2/NDF:55.1/38

Out: -849.157+/-433.565 χ^2/NDF:62.6/44

All: -622.685+/-310.403 χ^2/NDF: 118.2/83



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

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

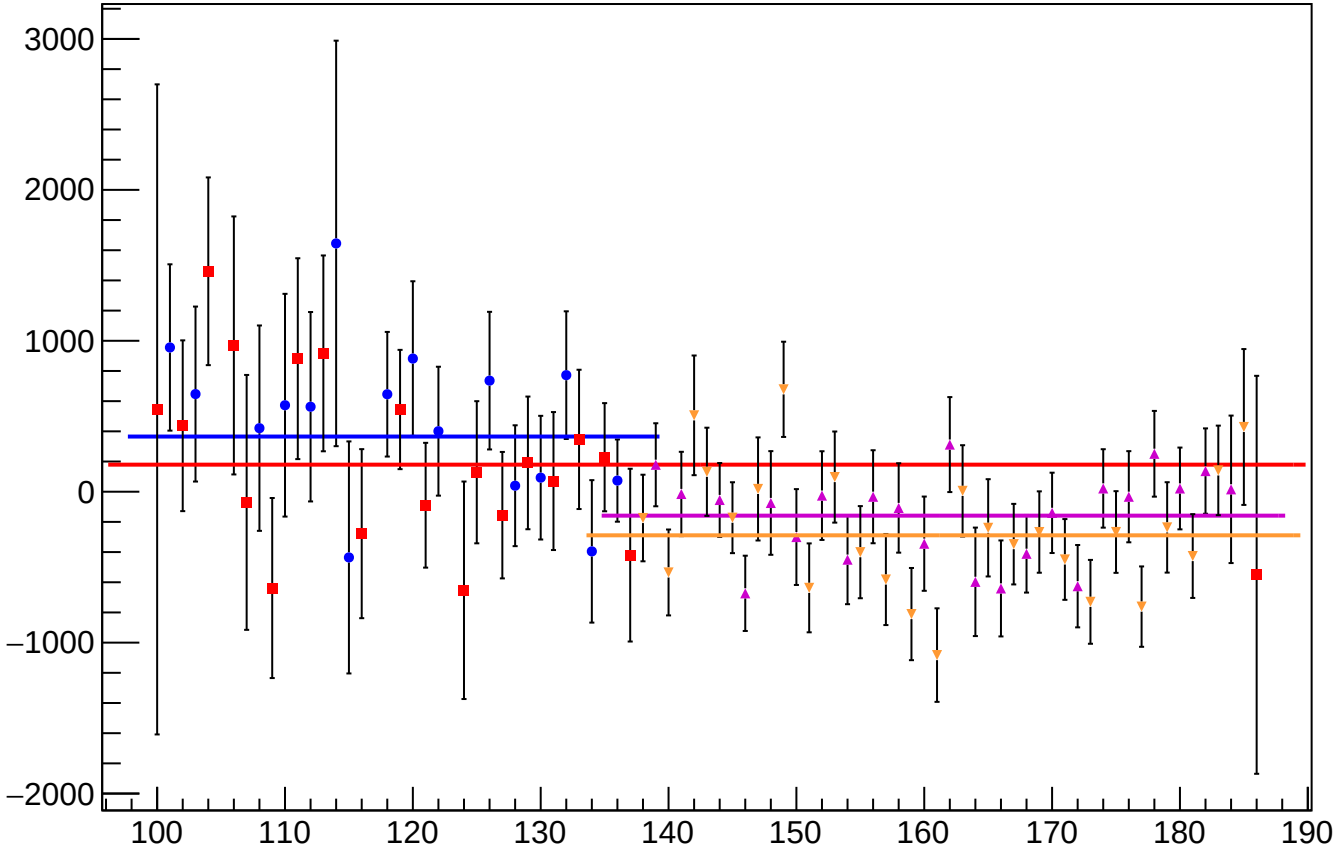
Right: 3636.658+/-0.698 χ^2/NDF: 2969850.9/35

In: 2152.990+/-0.314 χ^2/NDF:4005186.1/38

Out: 2144.365+/-0.307 χ^2/NDF:5380623.7/44

All: 2148.570+/-0.219 χ^2/NDF: 9386195.6/83

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

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

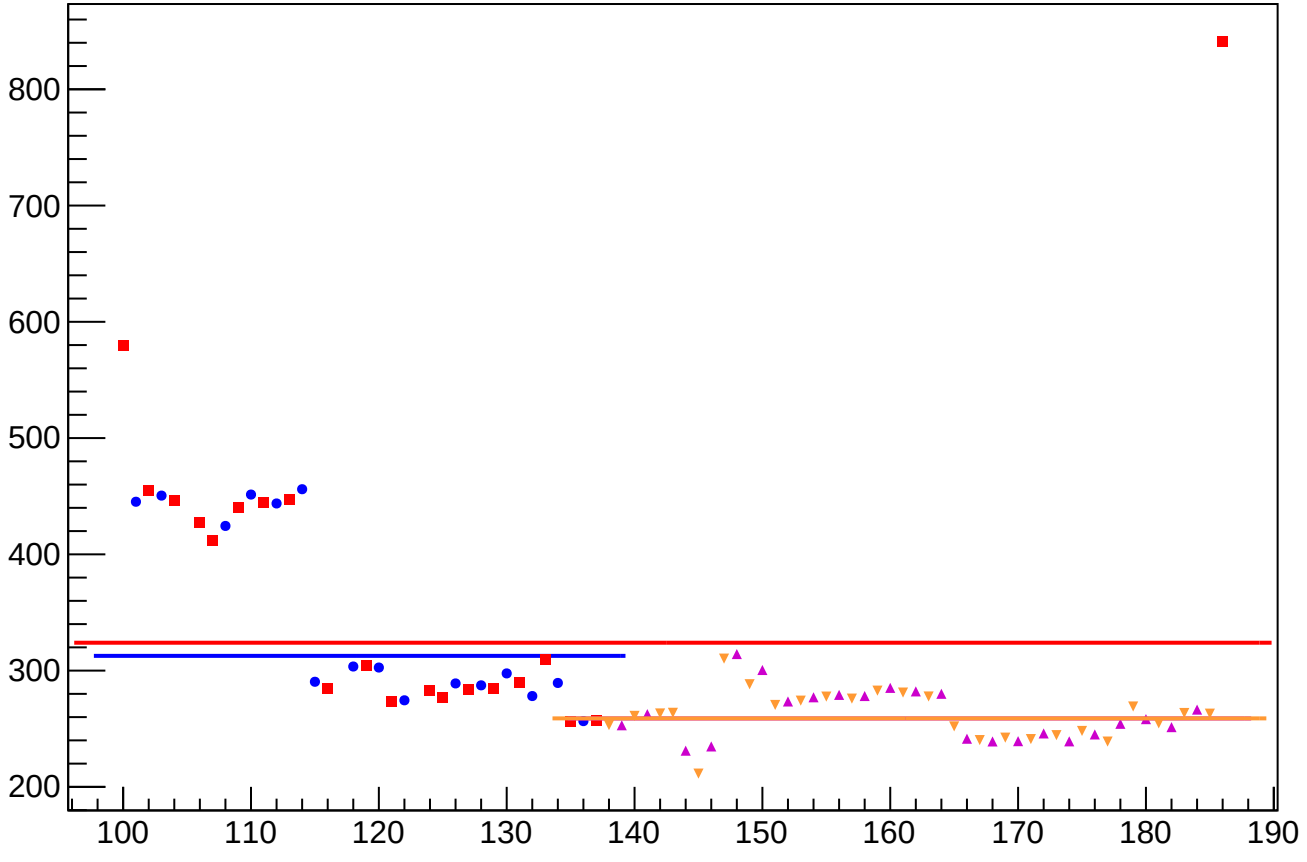
Right: 273.042+/-84.348 χ^2/NDF: 27.9/35

In: -50.191+/-54.065 χ^2/NDF:49.4/38

Out: -197.330+/-52.946 χ^2/NDF:70.0/44

All: -125.299+/-37.828 χ^2/NDF: 123.2/83

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

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

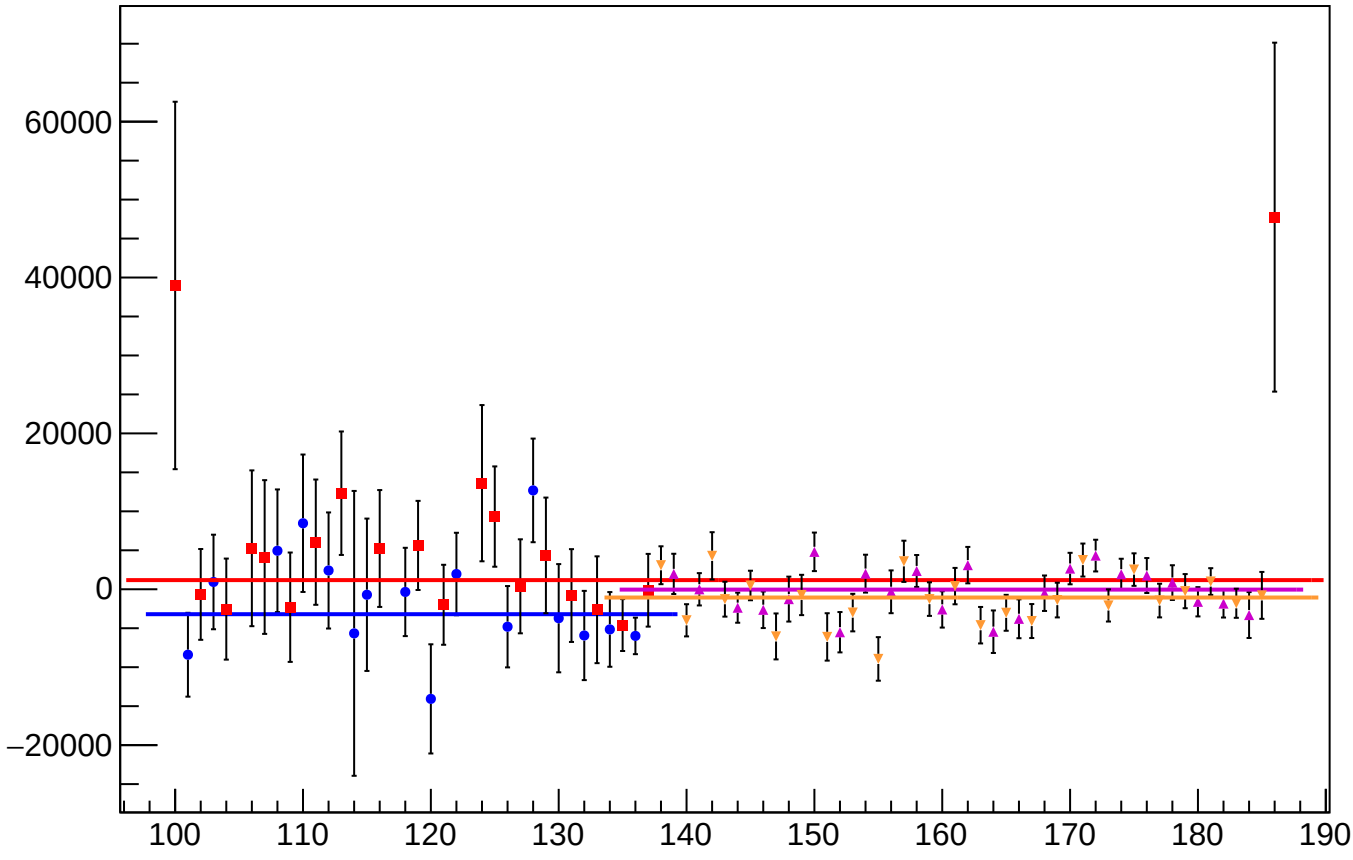
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.296+/-0.060 χ^2/NDF: 1614849.3/35

In: 269.980+/-0.038 χ^2/NDF:1172565.2/38

Out: 271.644+/-0.037 χ^2/NDF:1727866.8/44

All: 270.829+/-0.027 χ^2/NDF: 2901398.5/83



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

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

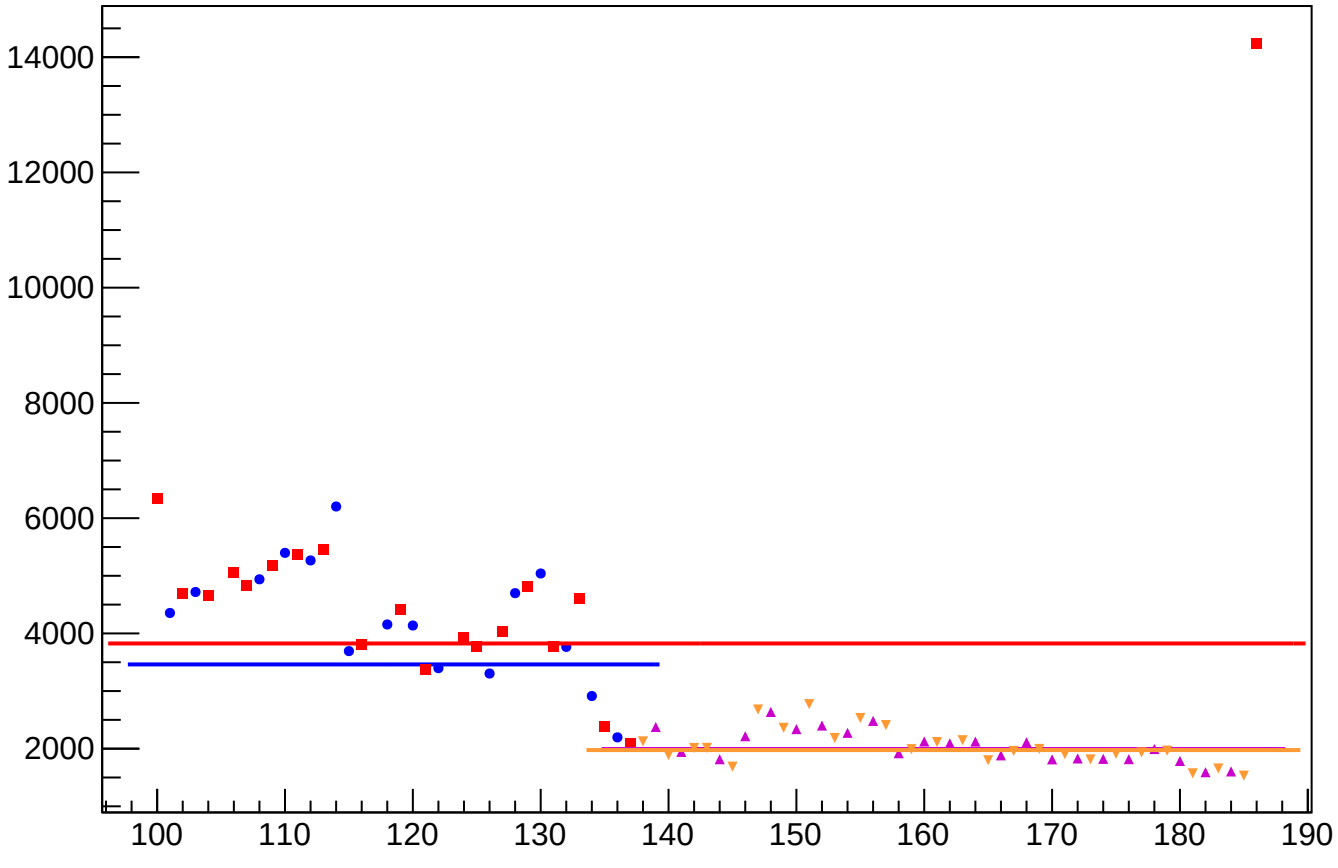
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1150.037+/-987.080 χ^2/NDF: 39.3/35

In: -384.533+/-444.595 χ^2/NDF:55.1/38

Out: -857.276+/-433.618 χ^2/NDF:62.0/44

All: -626.812+/-310.422 χ^2/NDF: 117.7/83



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

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

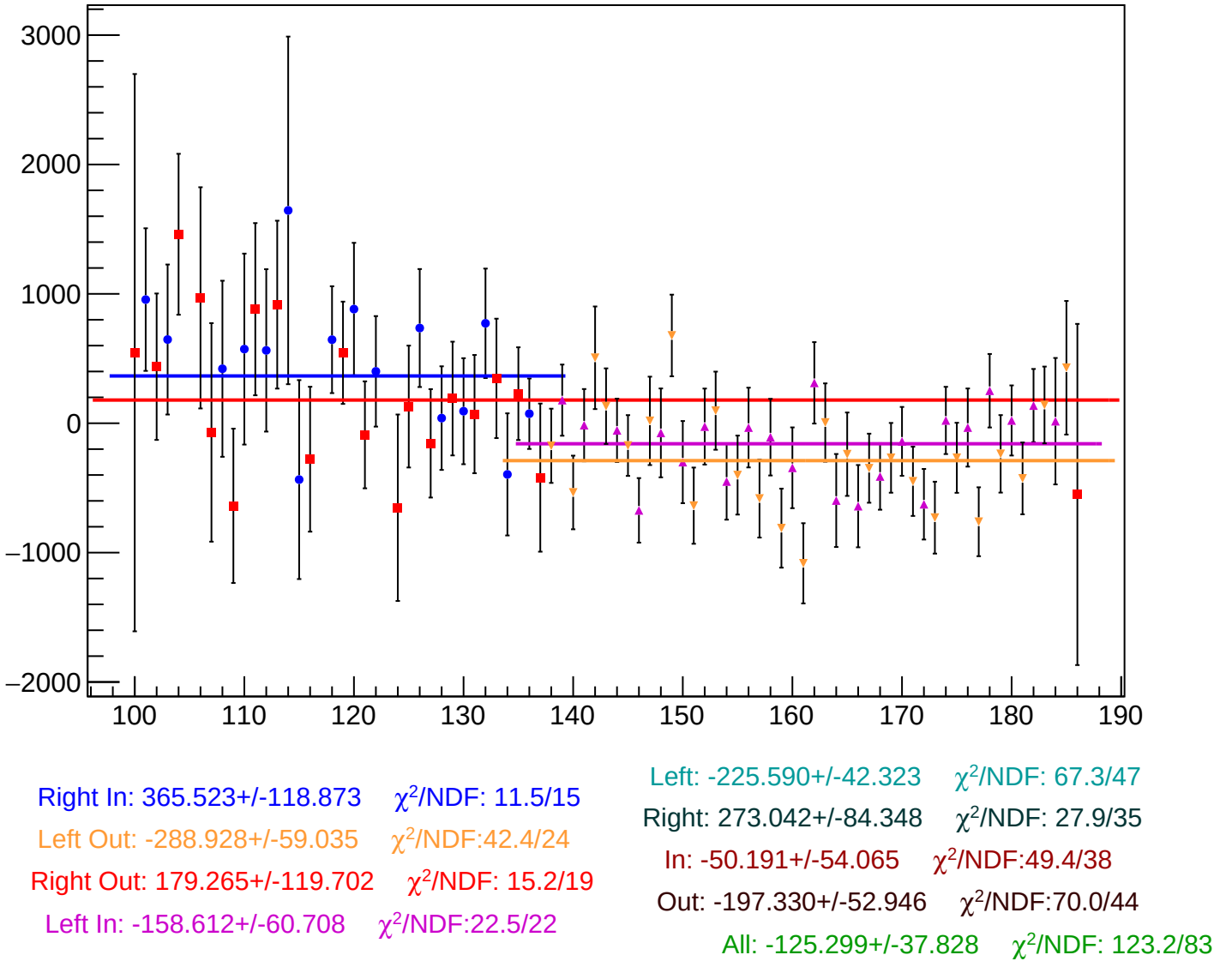
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3632.255+/-0.698 χ^2/NDF: 2947756.0/35

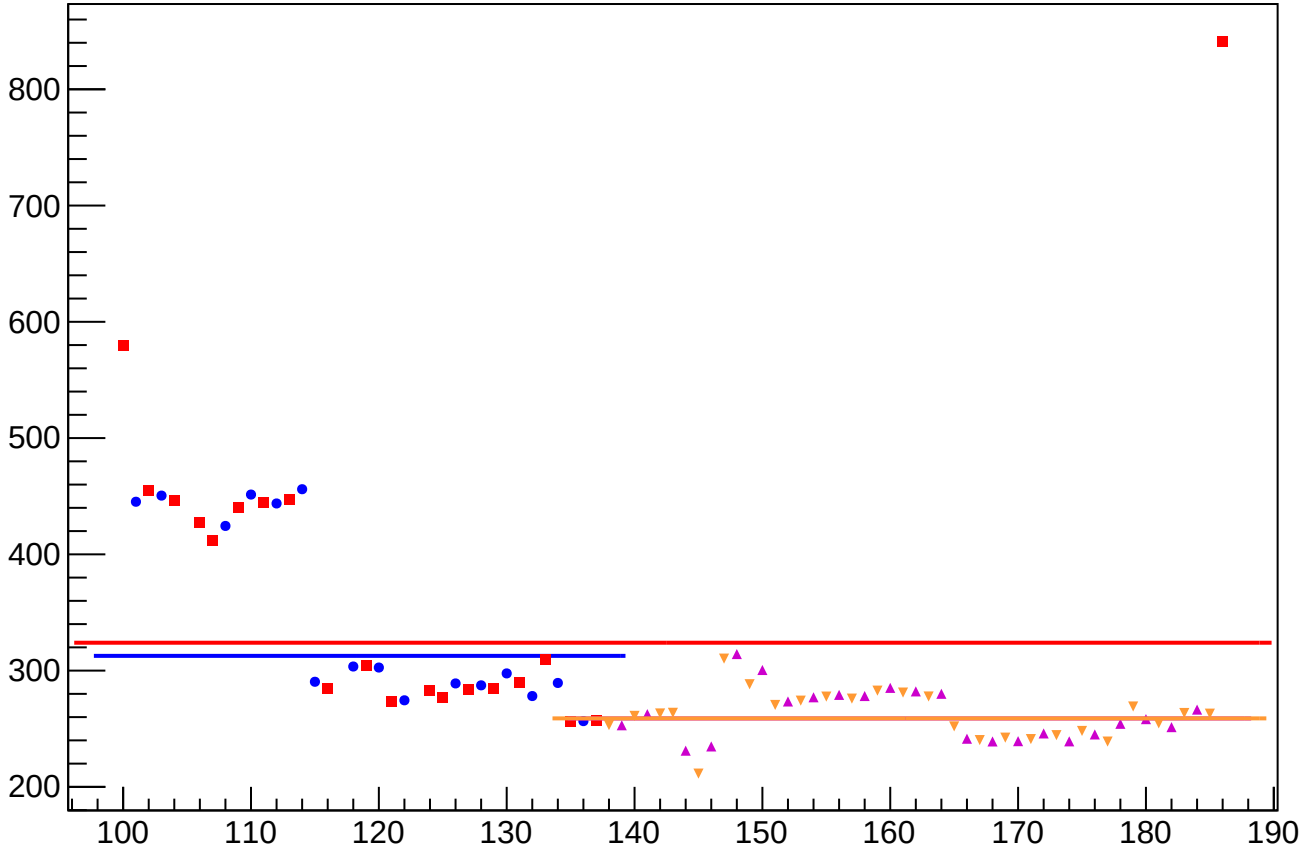
In: 2152.991+/-0.314 χ^2/NDF:4005207.0/38

Out: 2143.154+/-0.307 χ^2/NDF:5325811.0/44

All: 2147.949+/-0.220 χ^2/NDF: 9331519.8/83


eigen_cor_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 365.523+/-118.873 χ²/NDF: 11.5/15
Left Out: -288.928+/-59.035 χ²/NDF:42.4/24
Right Out: 179.265+/-119.702 χ²/NDF: 15.2/19
Left In: -158.612+/-60.708 χ²/NDF:22.5/22
Left: -225.590+/-42.323 χ²/NDF: 67.3/47
Right: 273.042+/-84.348 χ²/NDF: 27.9/35
In: -50.191+/-54.065 χ²/NDF:49.4/38
Out: -197.330+/-52.946 χ²/NDF:70.0/44
All: -125.299+/-37.828 χ²/NDF: 123.2/83

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

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

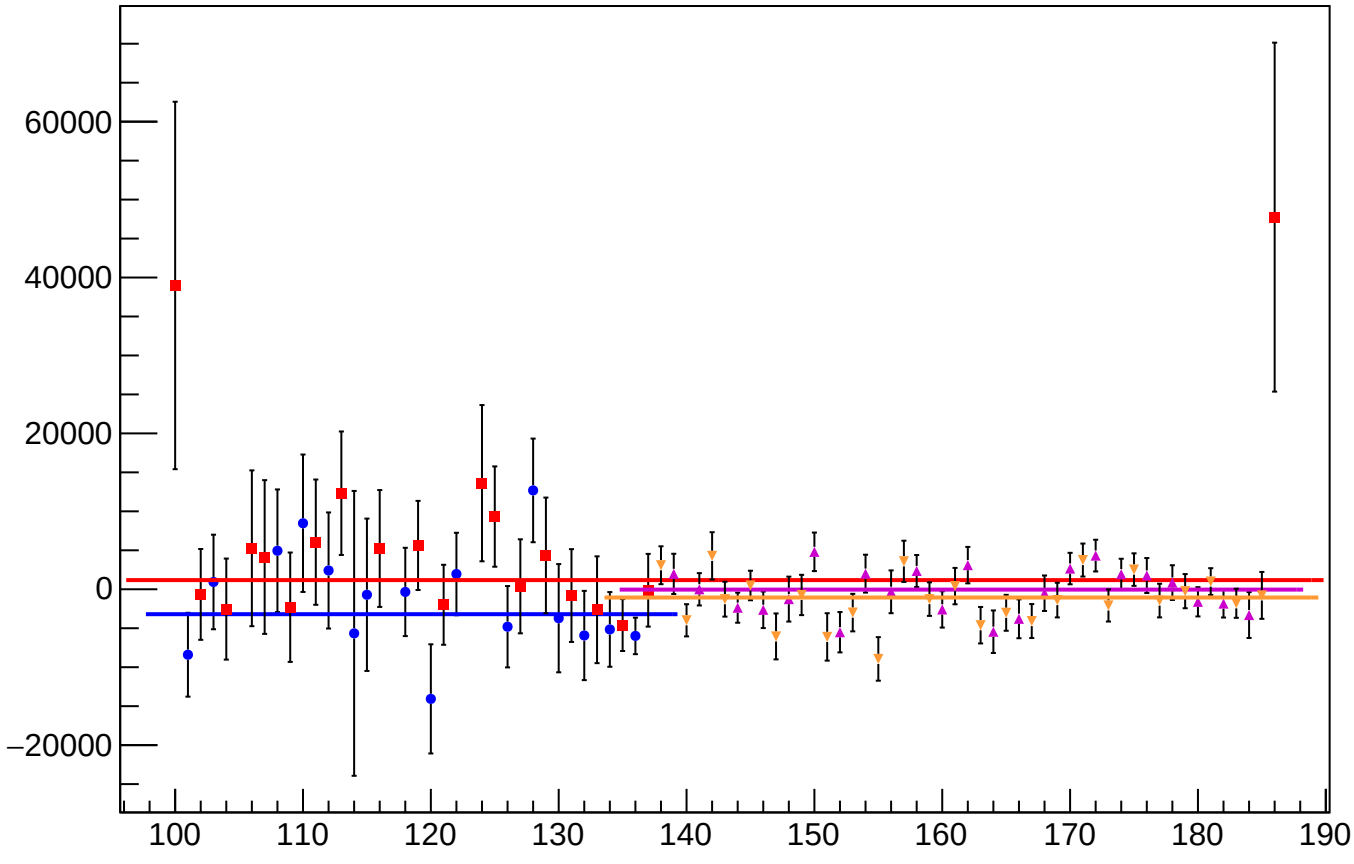
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.296+/-0.060 χ^2/NDF: 1614849.3/35

In: 269.980+/-0.038 χ^2/NDF:1172565.2/38

Out: 271.644+/-0.037 χ^2/NDF:1727866.8/44

All: 270.829+/-0.027 χ^2/NDF: 2901398.5/83



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

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

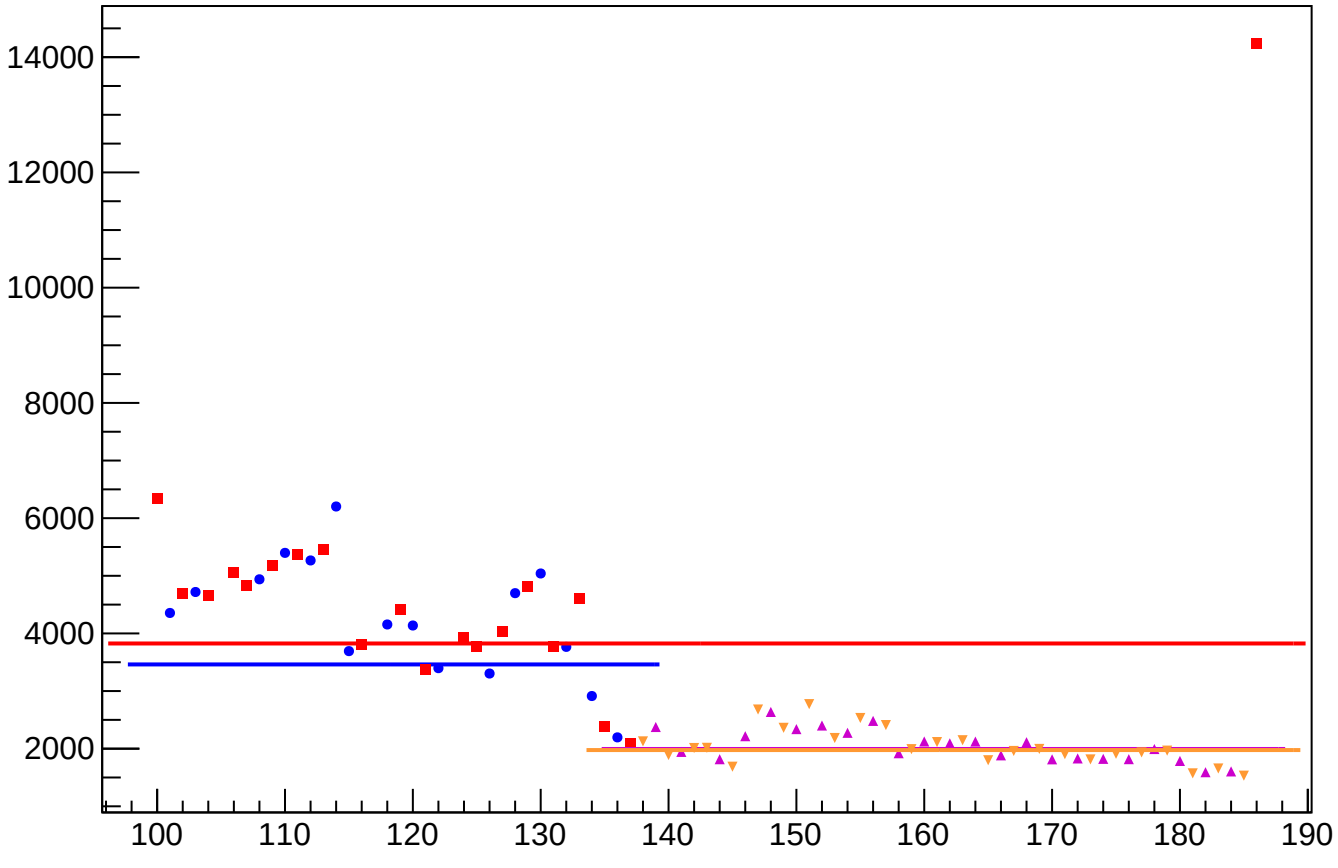
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1150.037+/-987.080 χ^2/NDF: 39.3/35

In: -384.533+/-444.595 χ^2/NDF:55.1/38

Out: -857.276+/-433.618 χ^2/NDF:62.0/44

All: -626.812+/-310.422 χ^2/NDF: 117.7/83



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

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

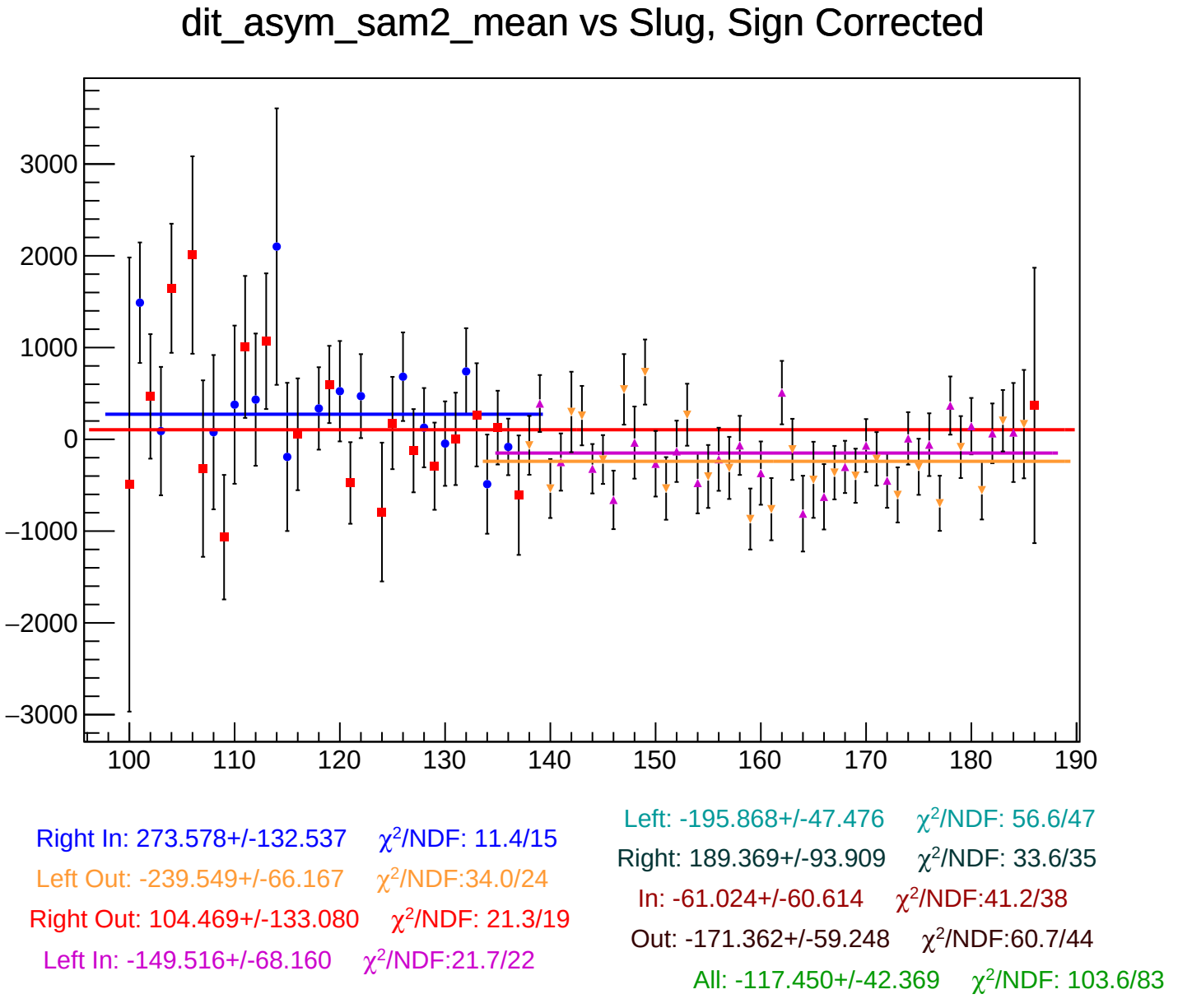
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3632.255+/-0.698 χ^2/NDF: 2947756.0/35

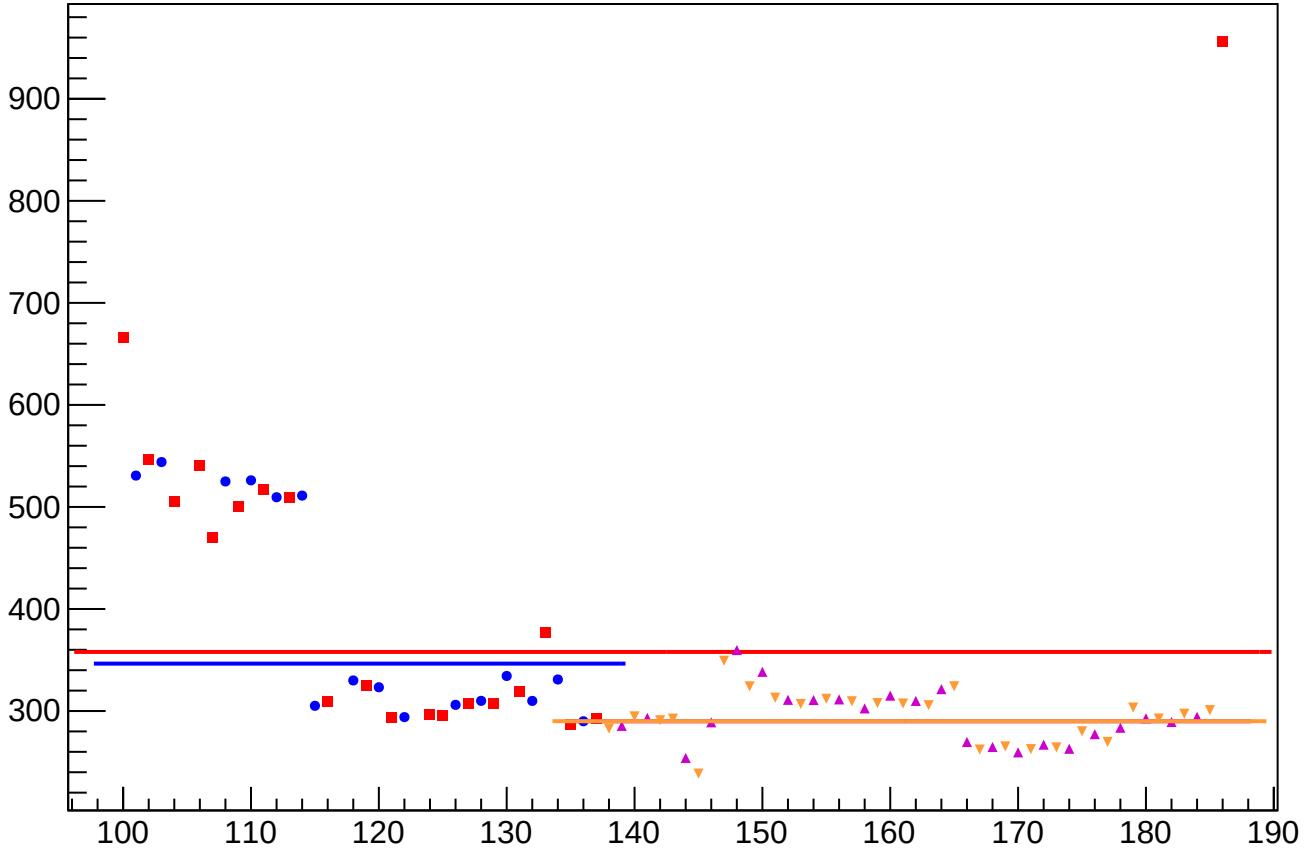
In: 2152.991+/-0.314 χ^2/NDF:4005207.0/38

Out: 2143.154+/-0.307 χ^2/NDF:5325811.0/44

All: 2147.949+/-0.220 χ^2/NDF: 9331519.8/83


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: 273.578+/-132.537 χ²/NDF: 11.4/15
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: 189.369+/-93.909 χ²/NDF: 33.6/35
In: -61.024+/-60.614 χ²/NDF:41.2/38
Out: -171.362+/-59.248 χ²/NDF:60.7/44
All: -117.450+/-42.369 χ²/NDF: 103.6/83

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

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

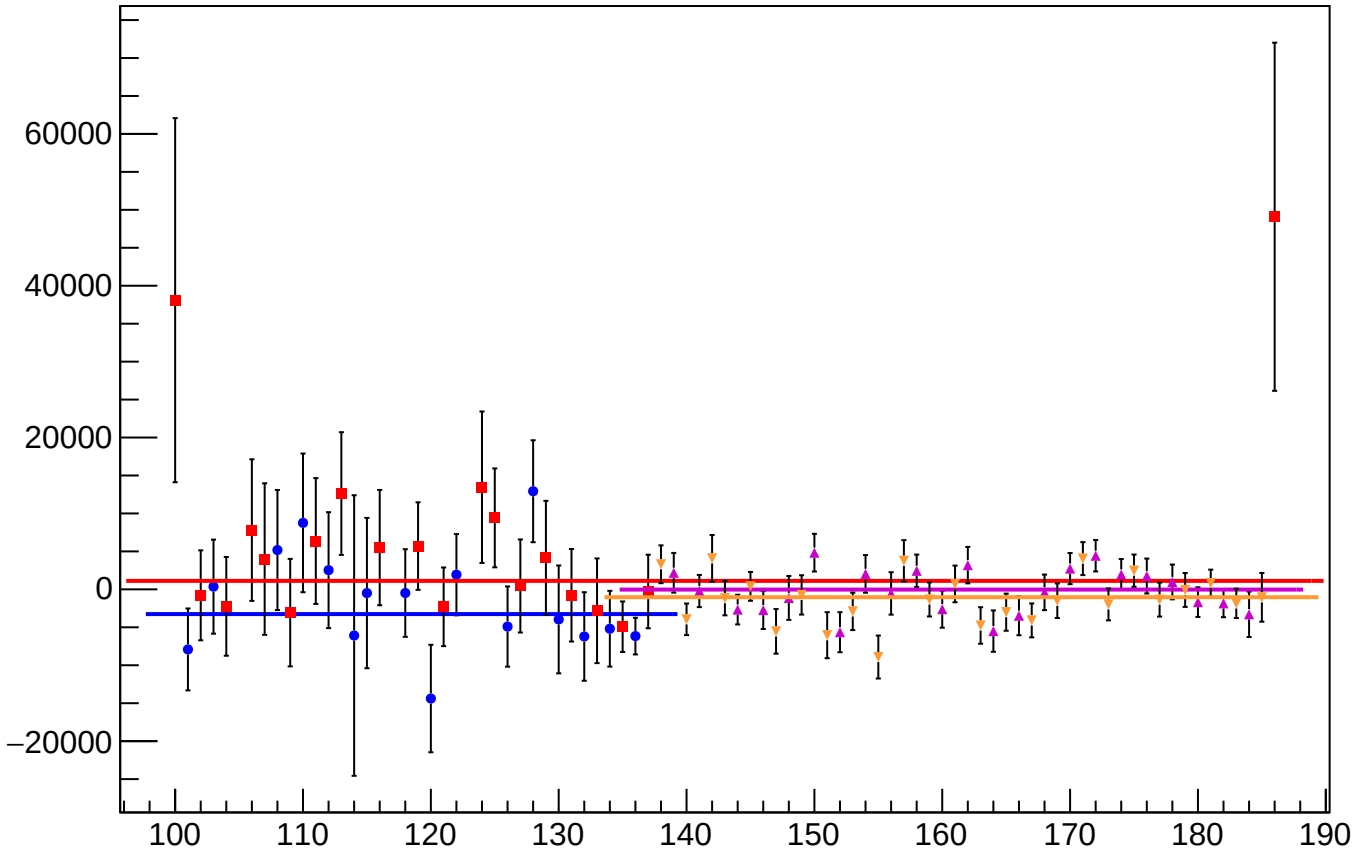
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 352.163+/-0.066 χ^2/NDF: 1962699.3/35

In: 301.761+/-0.043 χ^2/NDF:1326009.1/38

Out: 303.480+/-0.042 χ^2/NDF:1884526.4/44

All: 302.640+/-0.030 χ^2/NDF: 3211358.0/83



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

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

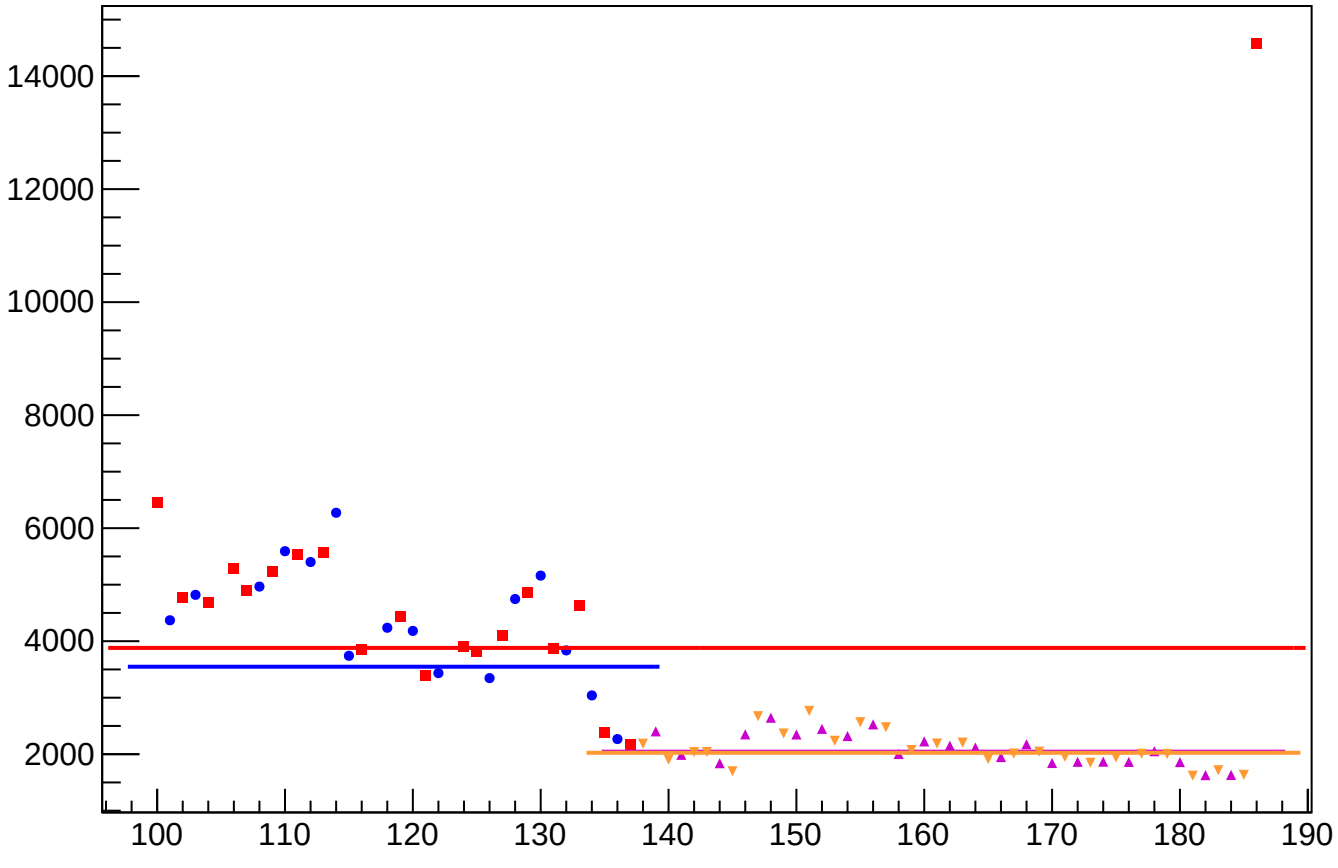
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

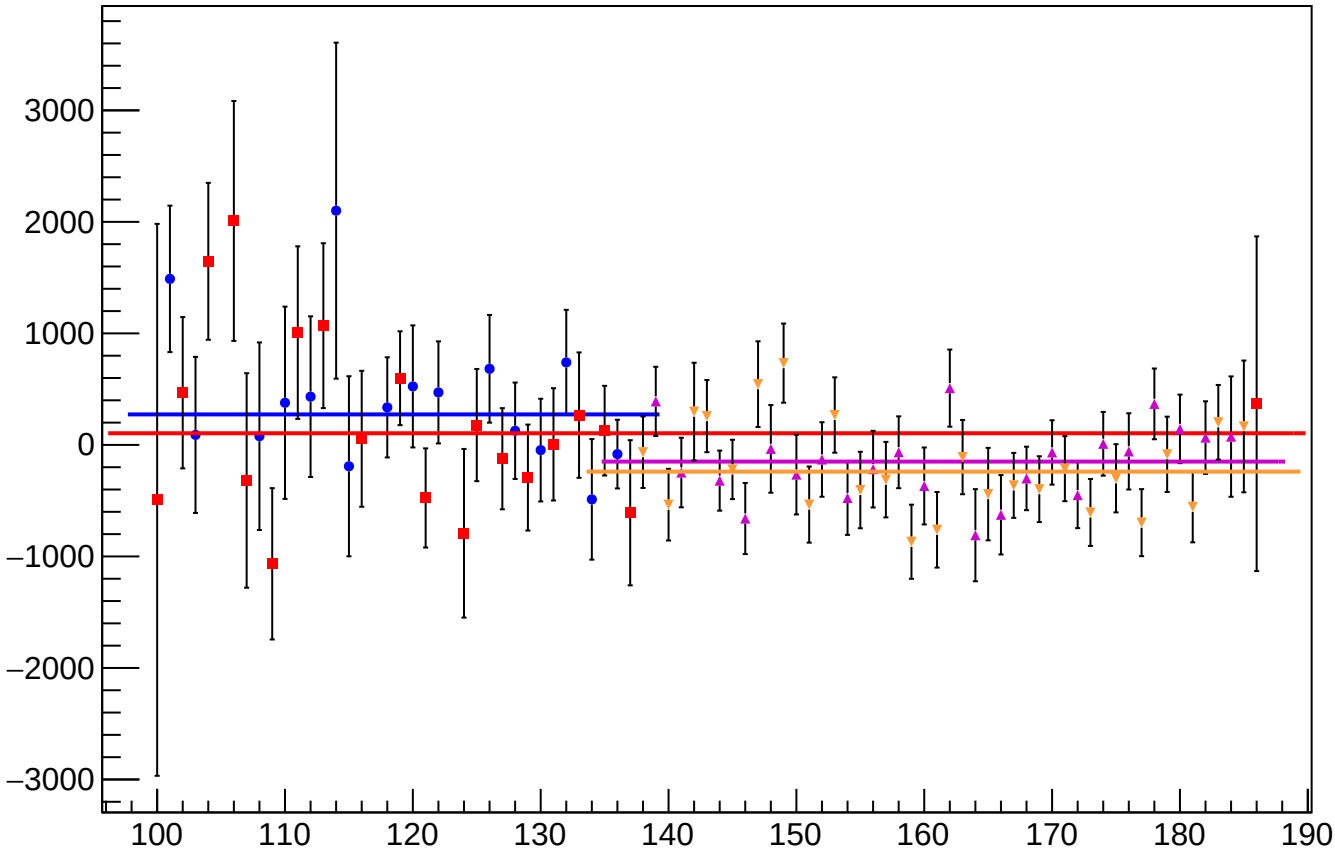
Right: -1184.779+/-1003.756 χ^2/NDF: 39.8/35

In: -379.912+/-455.426 χ^2/NDF:55.0/38

Out: -837.562+/-443.288 χ^2/NDF:61.3/44

All: -614.917+/-317.657 χ^2/NDF: 116.8/83


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3547.969+/-0.979 χ²/NDF: 1258486.8/15
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 3881.357+/-1.031 χ²/NDF: 1592524.9/19
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 3706.031+/-0.710 χ²/NDF: 2906022.4/35
In: 2207.289+/-0.322 χ²/NDF:3947588.9/38
Out: 2196.731+/-0.313 χ²/NDF:5236380.8/44
All: 2201.868+/-0.225 χ²/NDF: 9184521.6/83



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 104.467+/-133.079 χ^2/NDF: 21.3/19

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

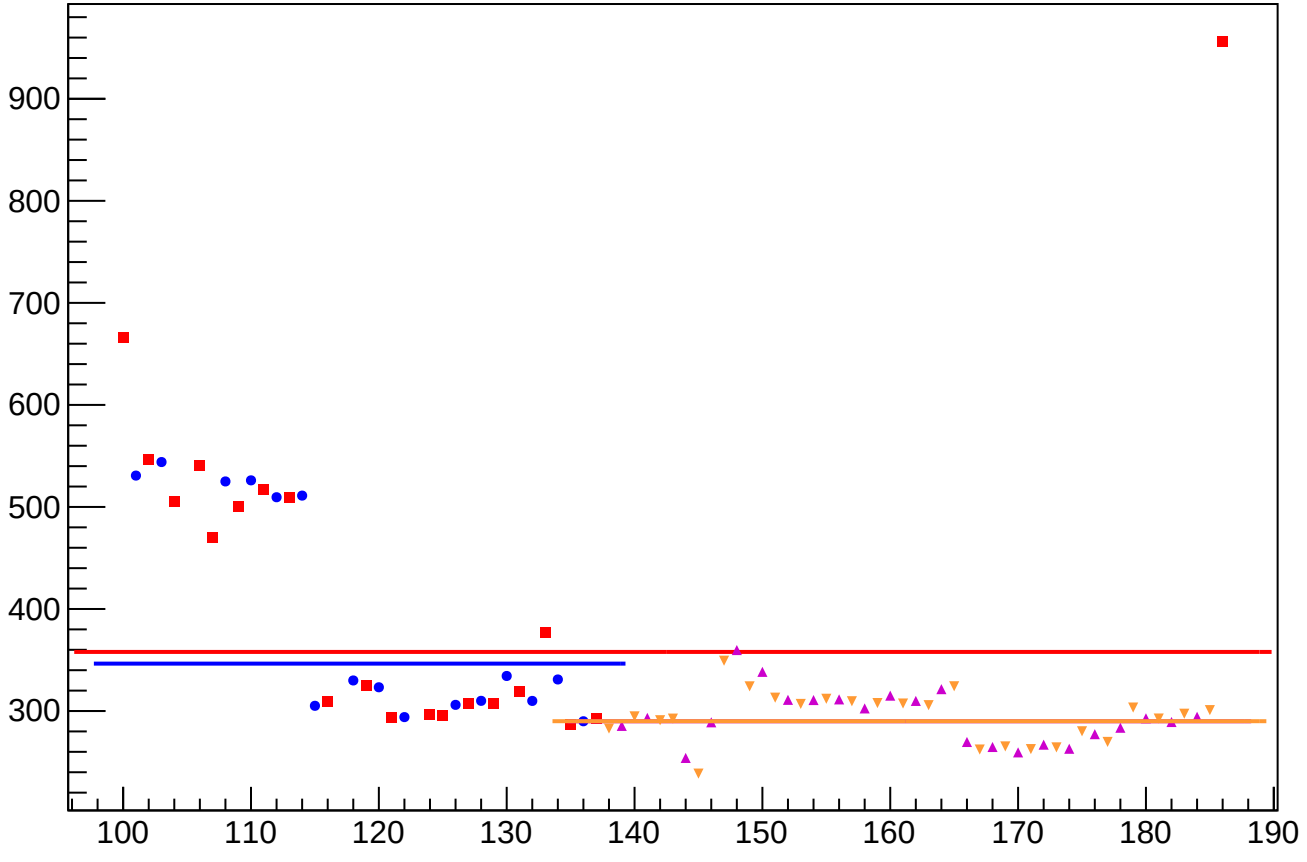
Right: 189.370+/-93.909 χ^2/NDF: 33.6/35

In: -61.023+/-60.614 χ^2/NDF:41.2/38

Out: -171.364+/-59.248 χ^2/NDF:60.7/44

All: -117.451+/-42.369 χ^2/NDF: 103.6/83

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

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

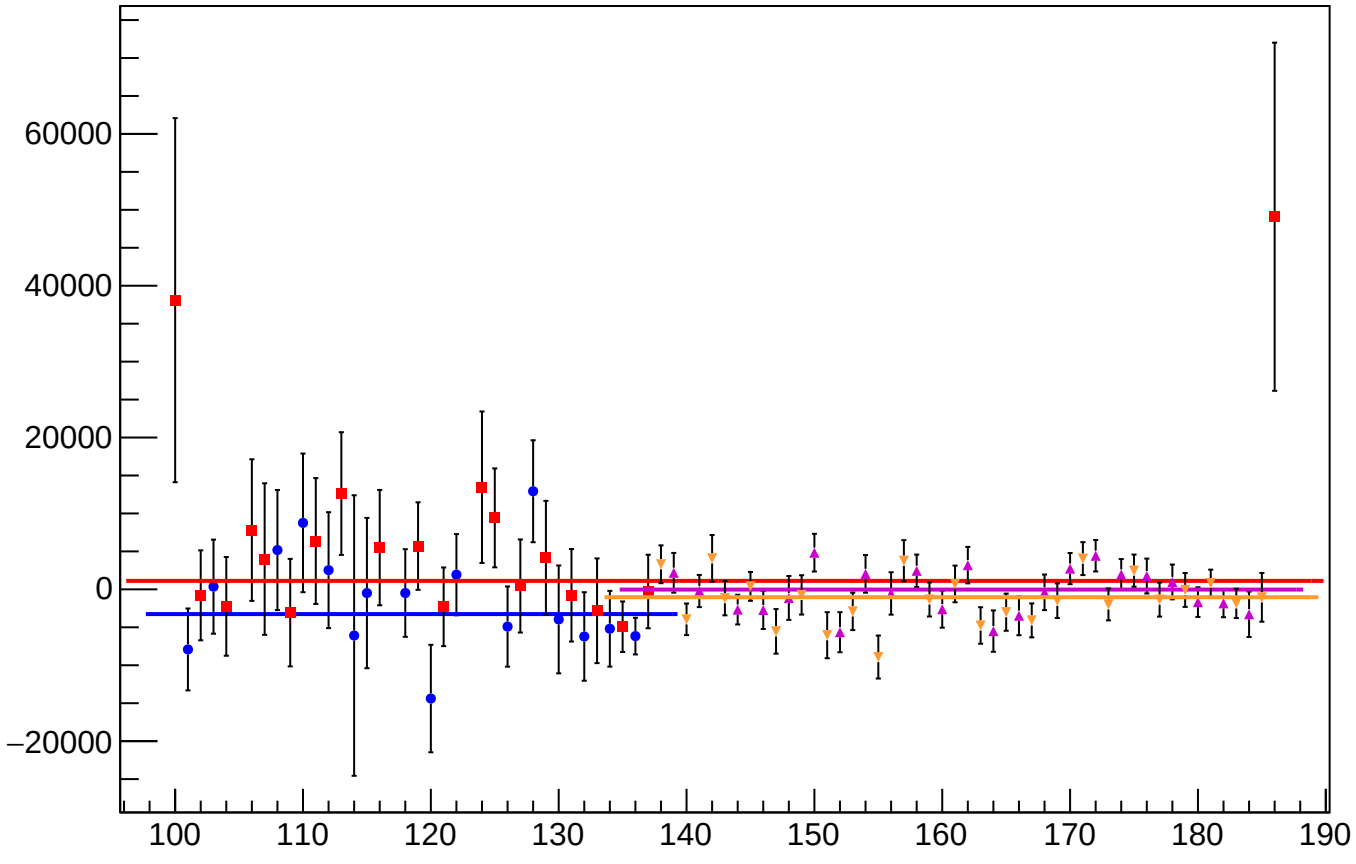
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 352.161+/-0.066 χ^2/NDF: 1962679.7/35

In: 301.761+/-0.043 χ^2/NDF:1325985.2/38

Out: 303.480+/-0.042 χ^2/NDF:1884506.1/44

All: 302.640+/-0.030 χ^2/NDF: 3211314.0/83



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

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

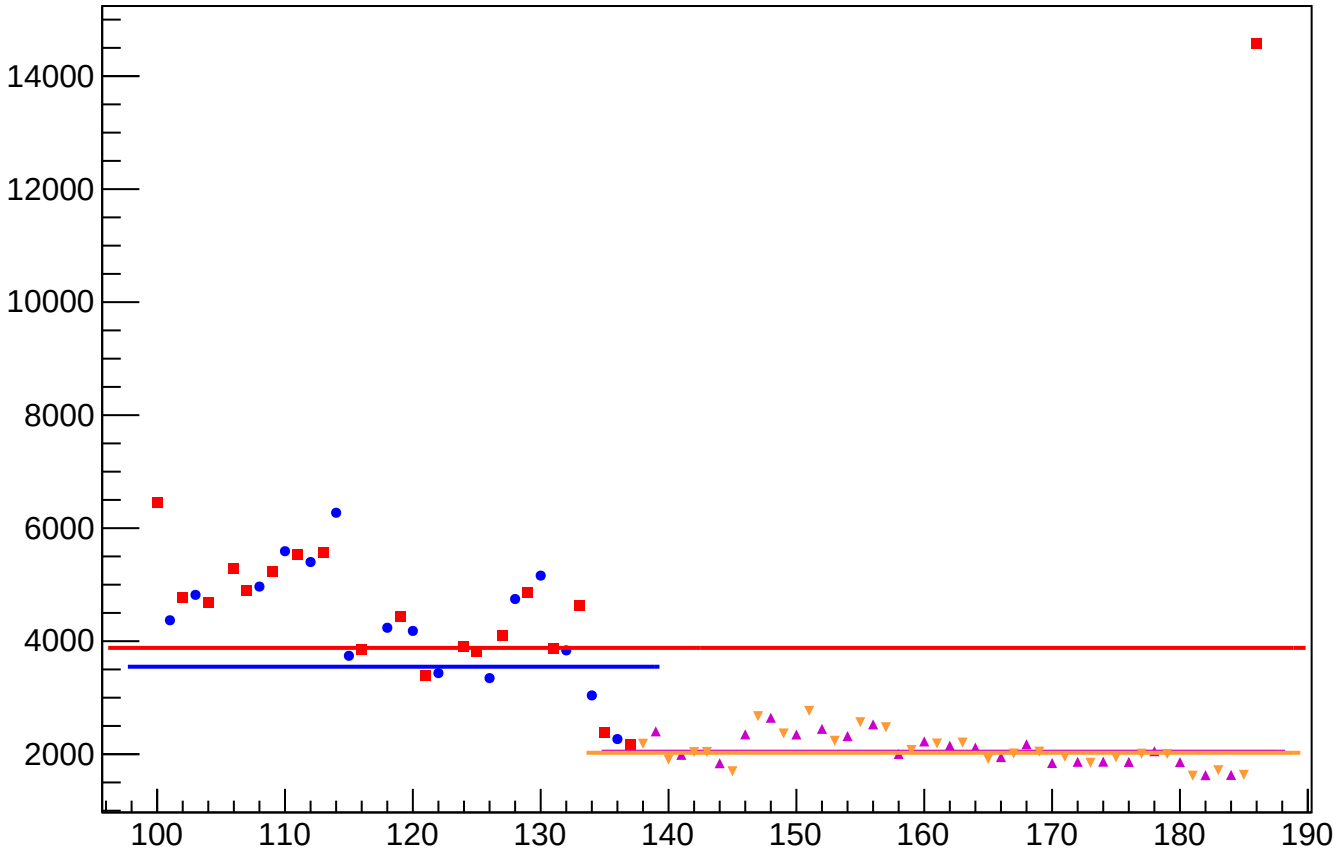
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1184.772+/-1003.755 χ^2/NDF: 39.8/35

In: -379.910+/-455.426 χ^2/NDF:55.0/38

Out: -837.561+/-443.288 χ^2/NDF:61.3/44

All: -614.915+/-317.657 χ^2/NDF: 116.8/83



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

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

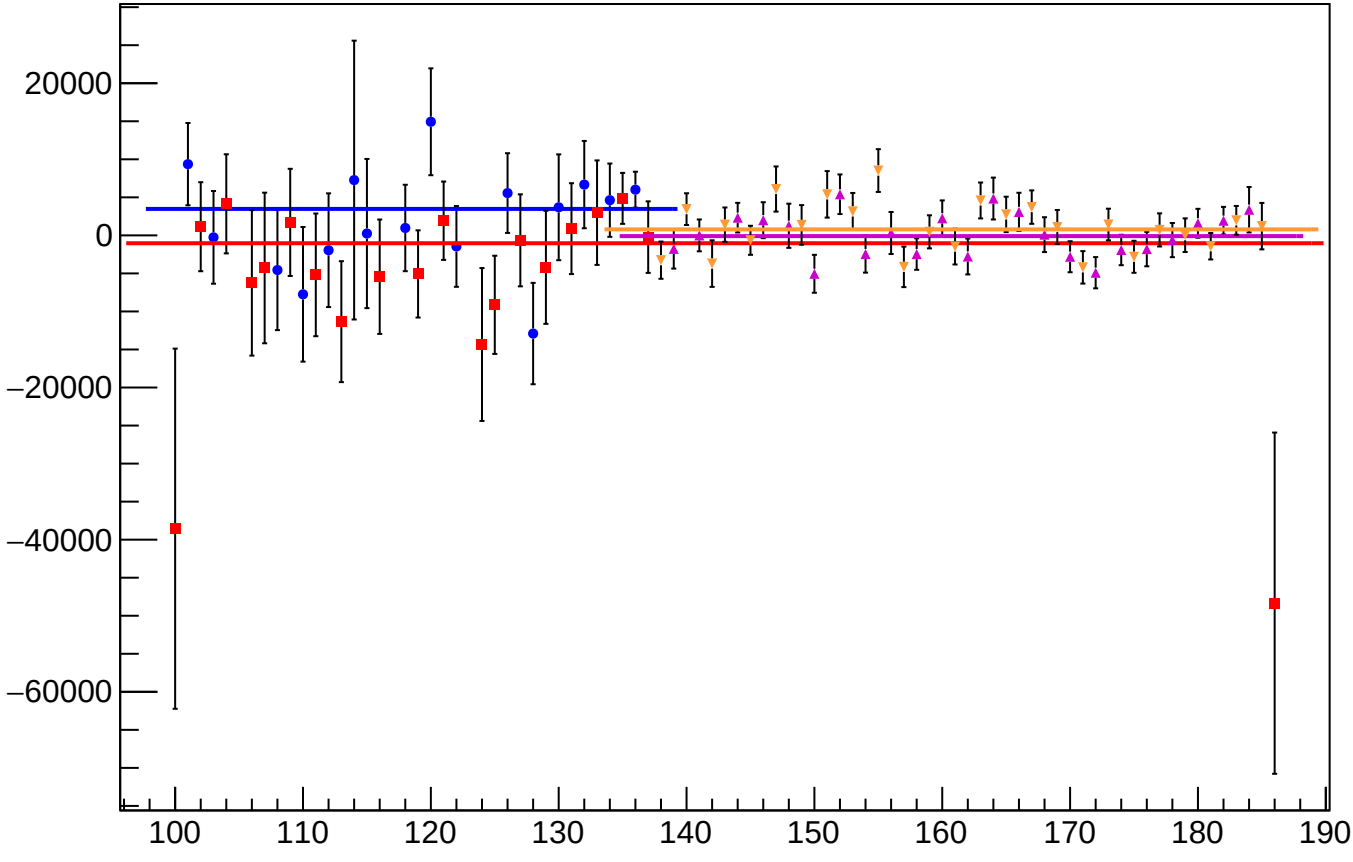
Right: 3706.027+/-0.710 χ^2/NDF: 2905997.8/35

In: 2207.289+/-0.322 χ^2/NDF:3947575.6/38

Out: 2196.732+/-0.313 χ^2/NDF:5236367.0/44

All: 2201.868+/-0.225 χ^2/NDF: 9184494.5/83

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

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

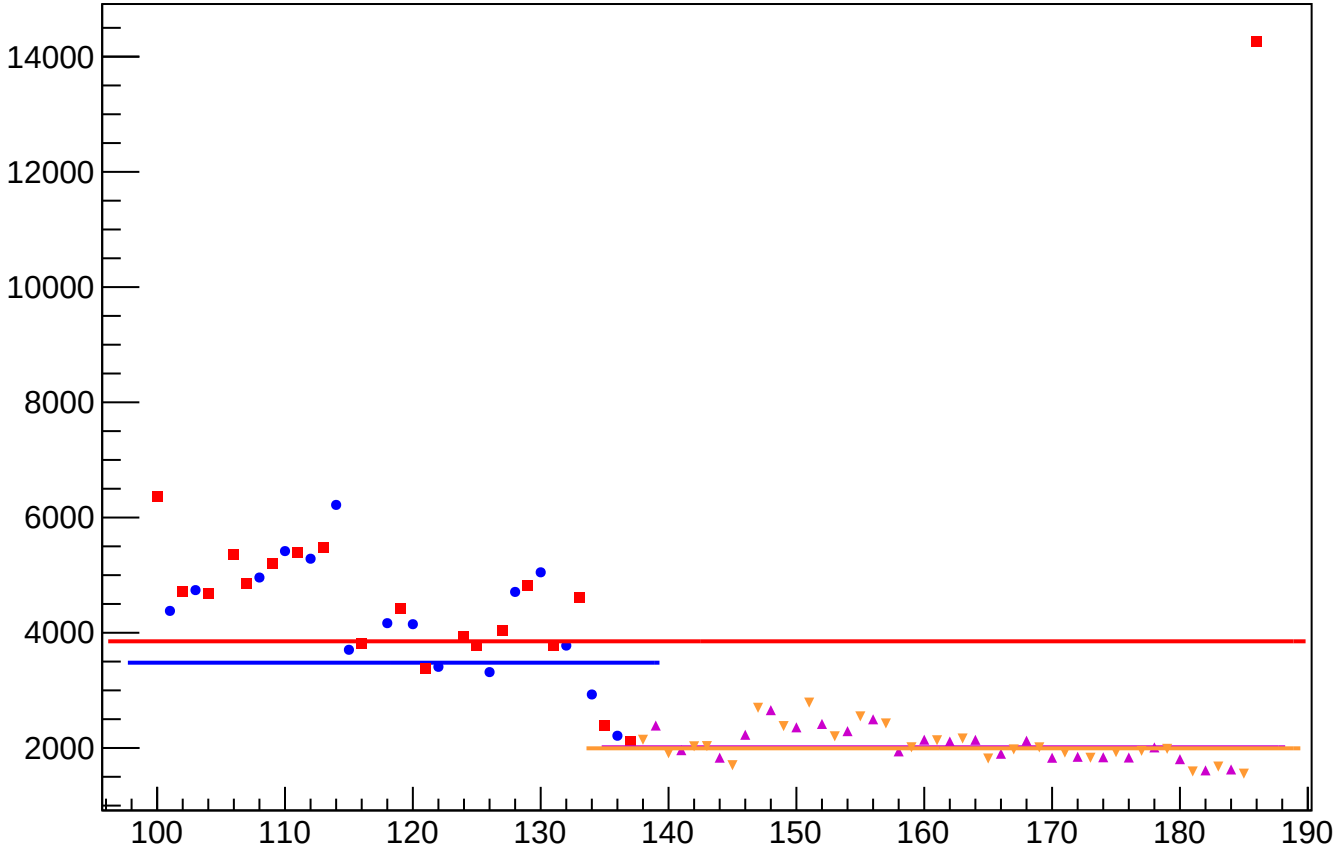
Right: 1362.495+/-991.014 χ^2/NDF: 40.0/35

In: 291.530+/-448.301 χ^2/NDF:55.3/38

Out: 622.165+/-437.268 χ^2/NDF:61.2/44

All: 460.966+/-313.023 χ^2/NDF: 116.8/83

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

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

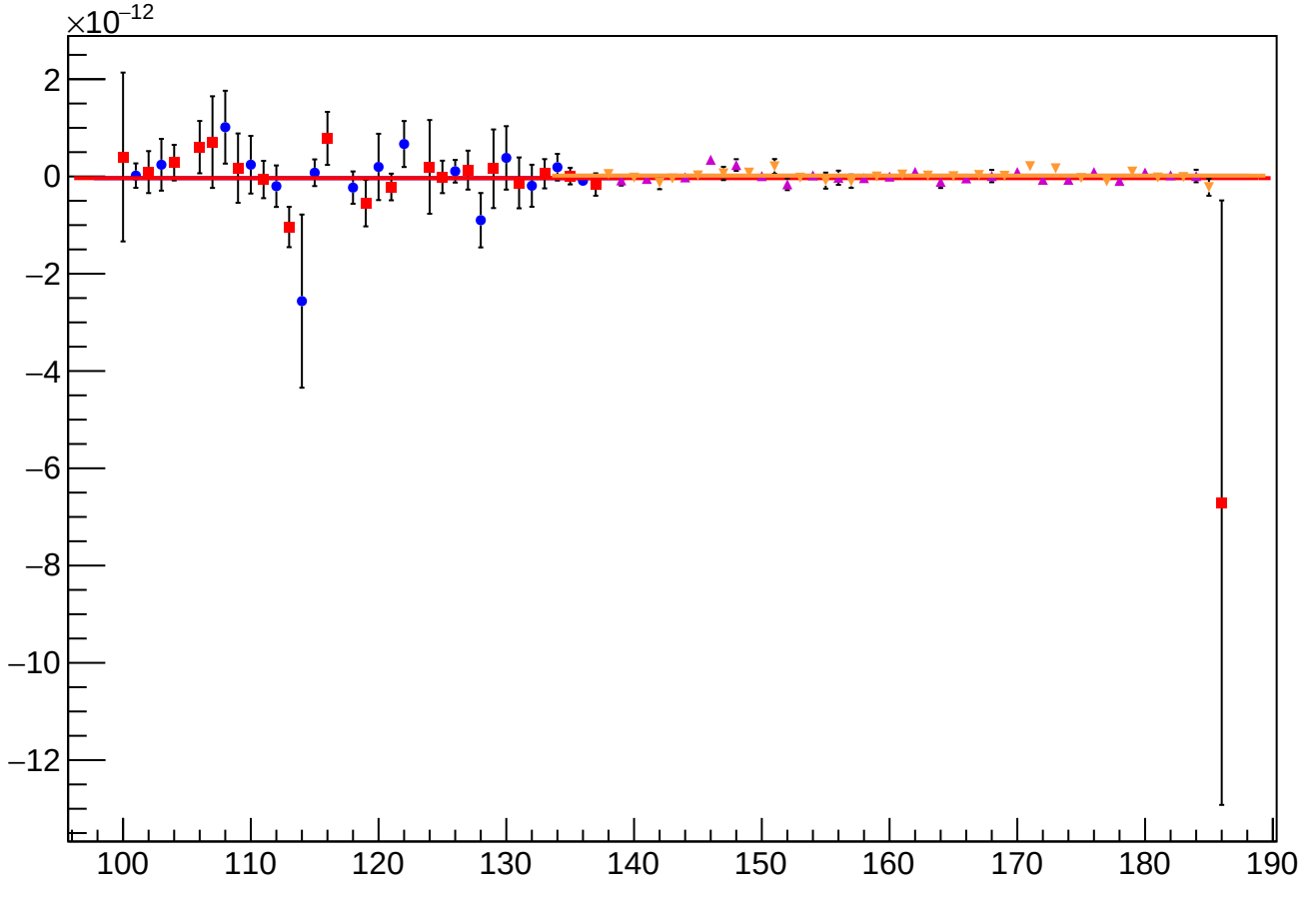
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 3654.706+/-0.701 χ^2/NDF: 2946712.9/35

In: 2172.104+/-0.317 χ^2/NDF:3959631.9/38

Out: 2163.947+/-0.309 χ^2/NDF:5322533.3/44

All: 2167.924+/-0.221 χ^2/NDF: 9282504.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

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

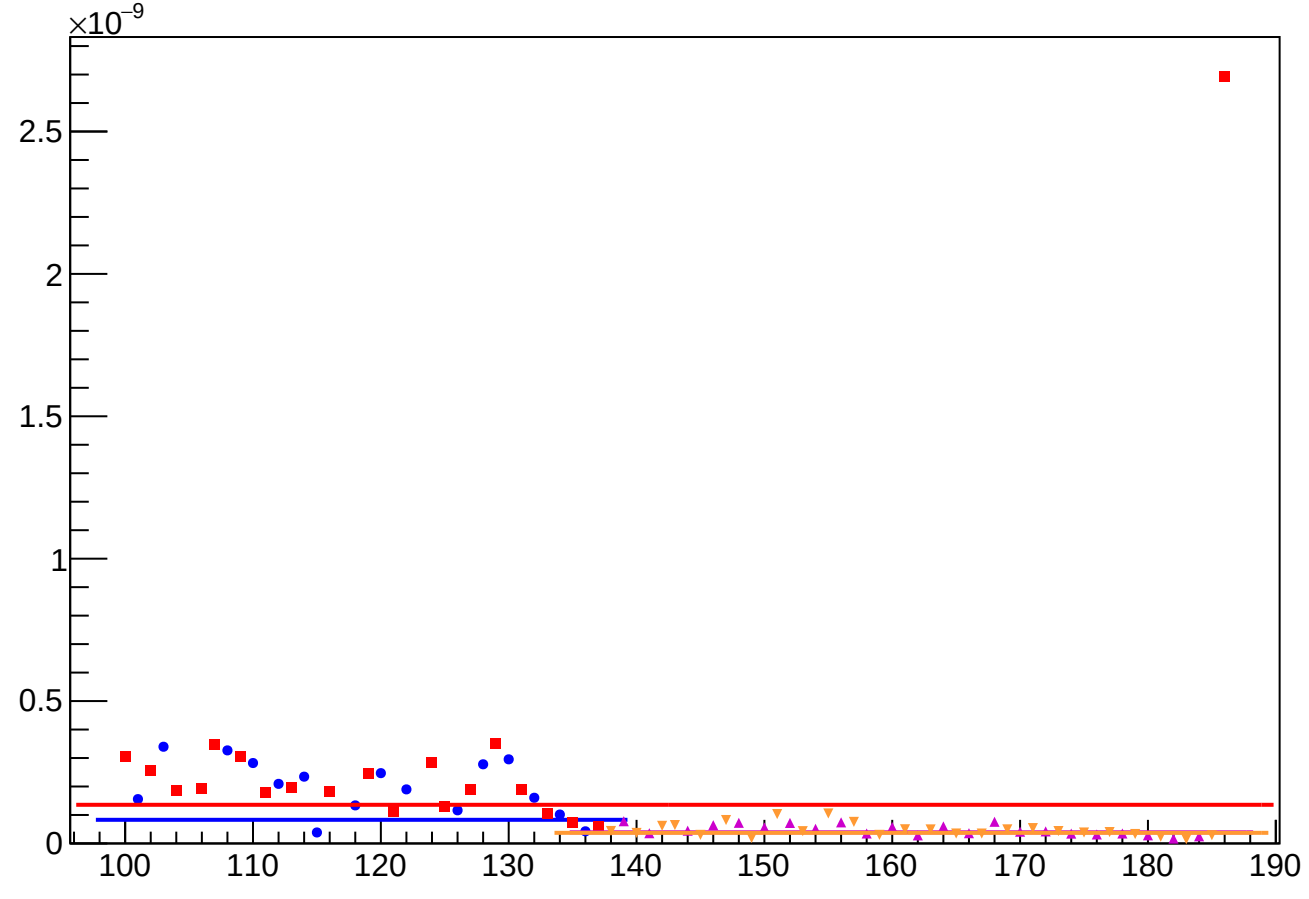
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 26.6/35

In: 0.000+/-0.000 χ^2/NDF:43.2/38

Out: 0.000+/-0.000 χ^2/NDF:36.3/44

All: 0.000+/-0.000 χ^2/NDF: 79.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

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

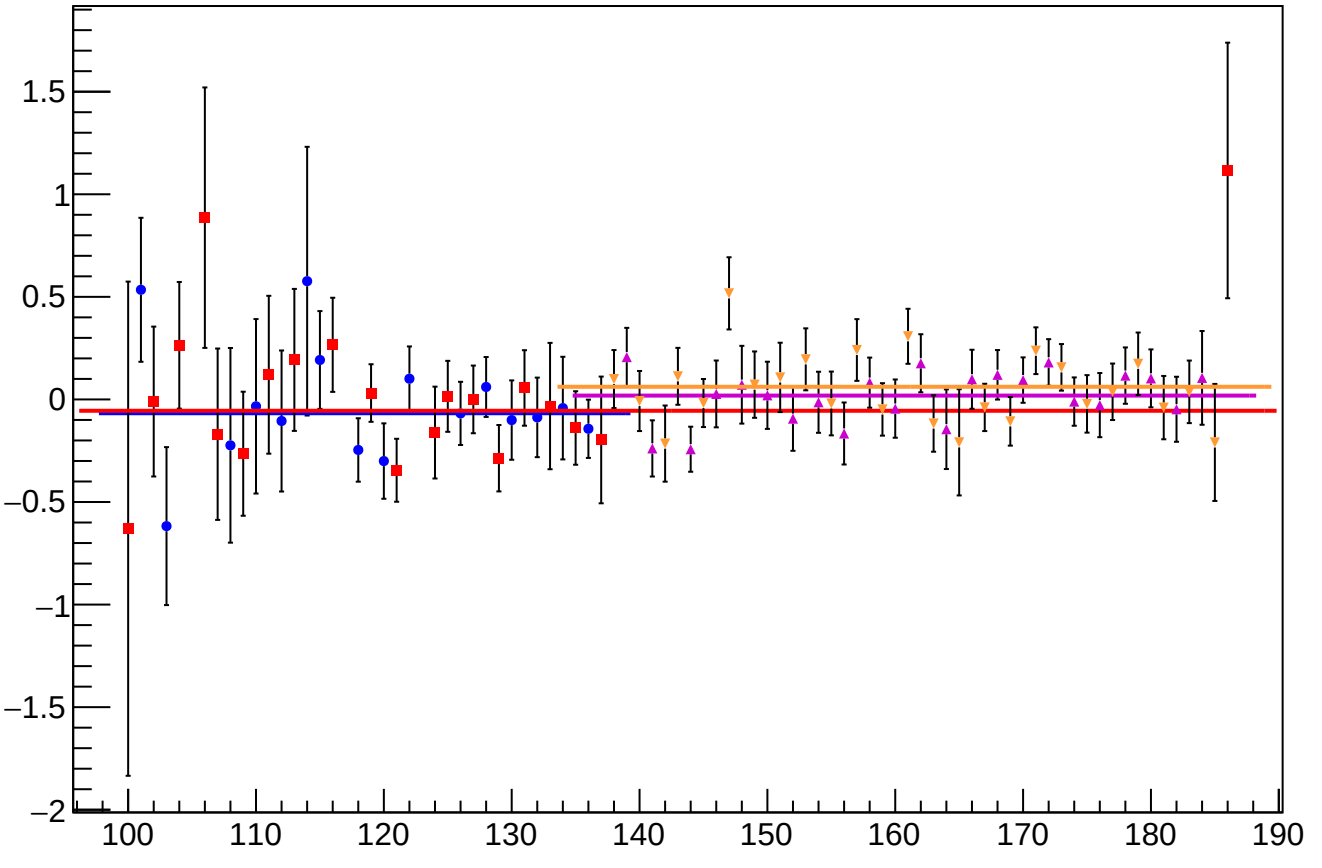
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4953986.3/35

In: 0.000+/-0.000 χ^2/NDF:5600557.2/38

Out: 0.000+/-0.000 χ^2/NDF:6671741.1/44

All: 0.000+/-0.000 χ^2/NDF: 12284959.4/83



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

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

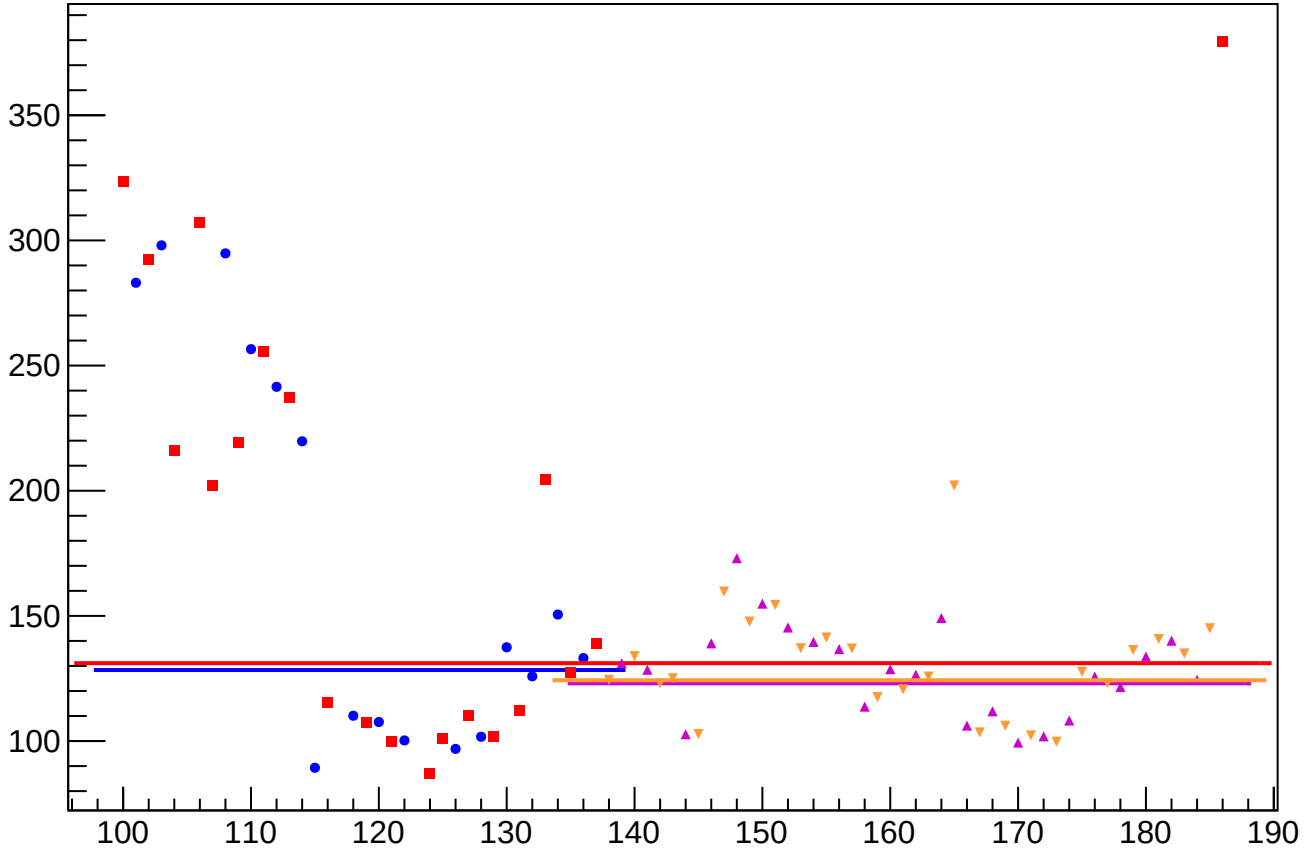
Right: -0.061+/-0.036 χ^2/NDF: 30.1/35

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.016+/-0.018 χ^2/NDF: 84.8/83

asym_sam2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 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

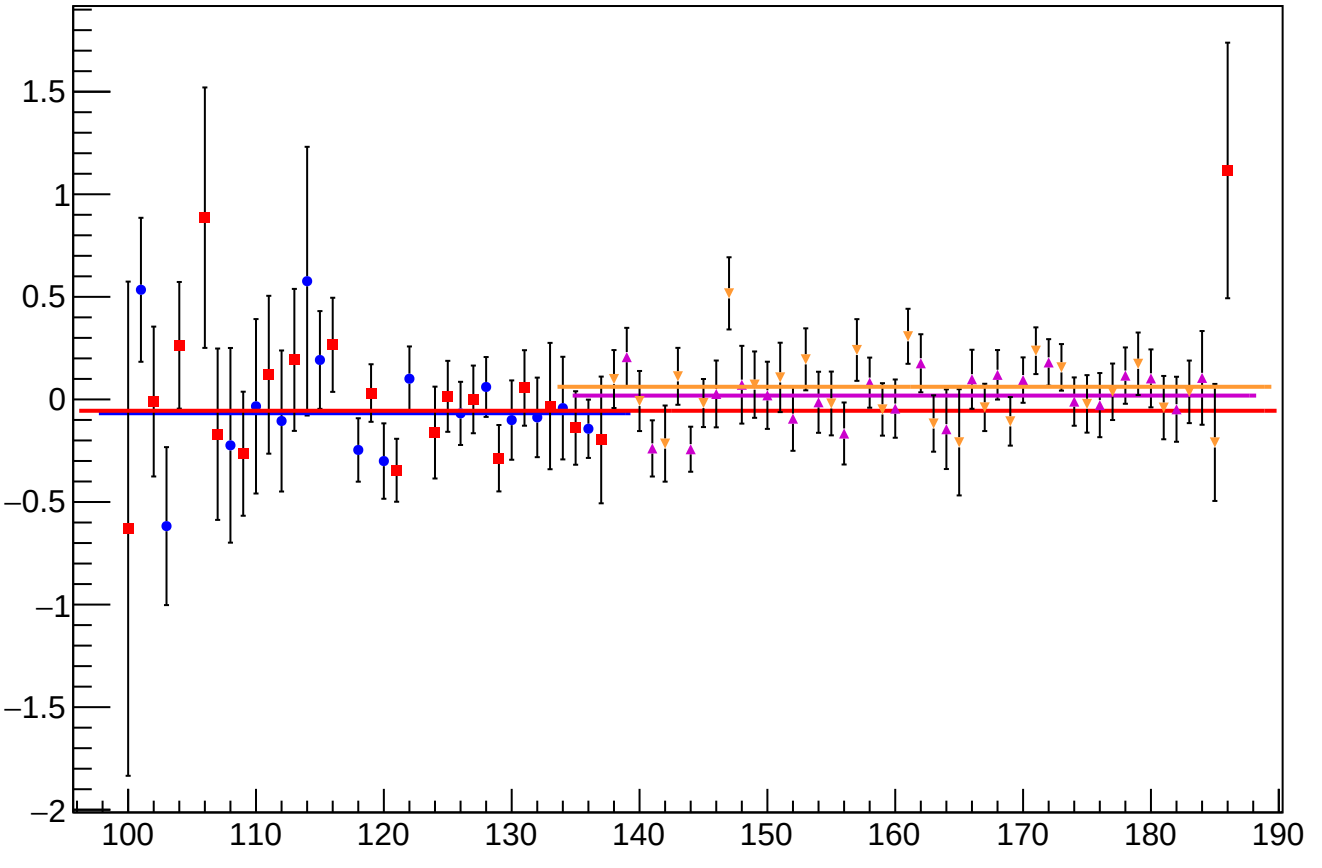
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 129.750+/-0.026 χ^2/NDF: 4016010.1/35

In: 124.354+/-0.018 χ^2/NDF:2539875.3/38

Out: 125.907+/-0.018 χ^2/NDF:3075883.1/44

All: 125.145+/-0.013 χ^2/NDF: 5619530.4/83



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

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

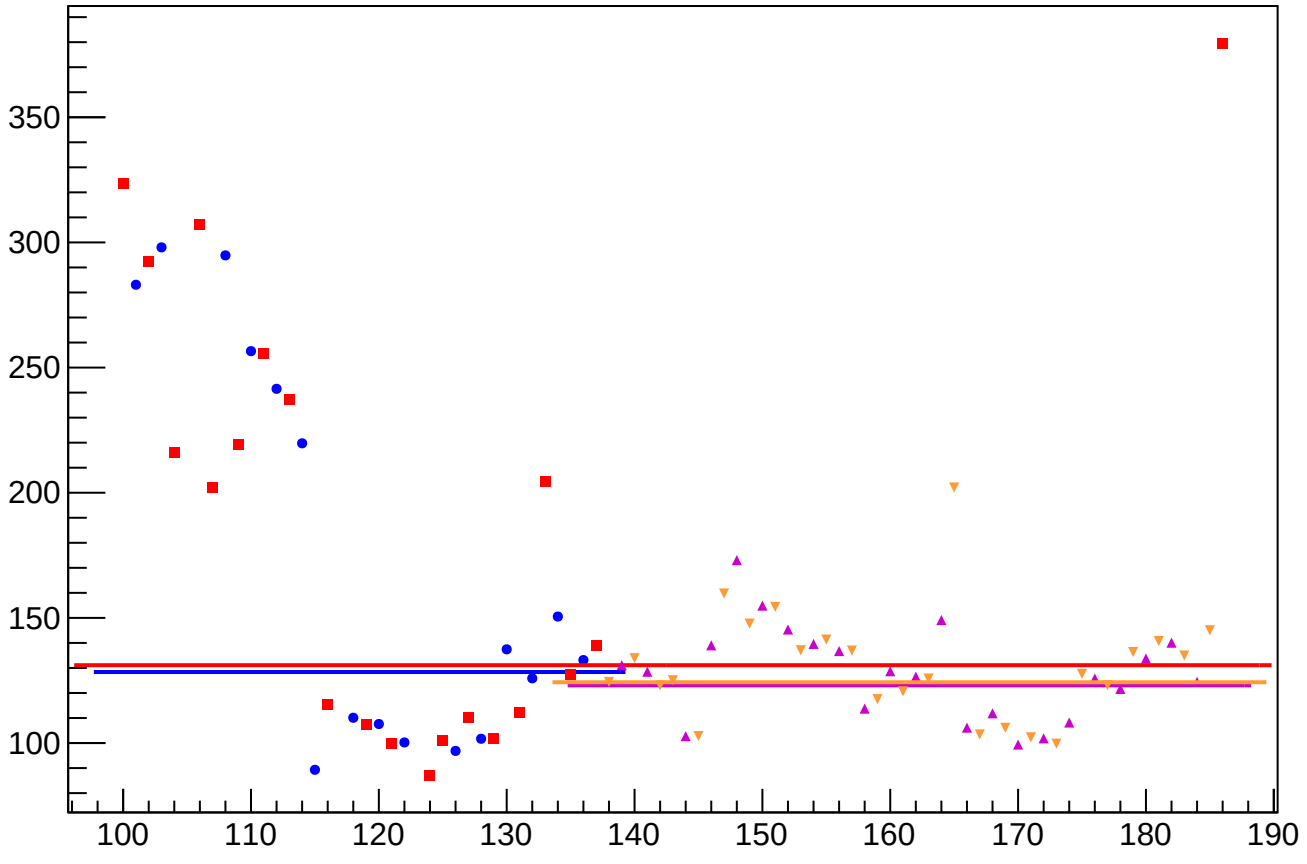
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.061+/-0.036 χ^2/NDF: 30.1/35

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.016+/-0.018 χ^2/NDF: 84.8/83



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

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

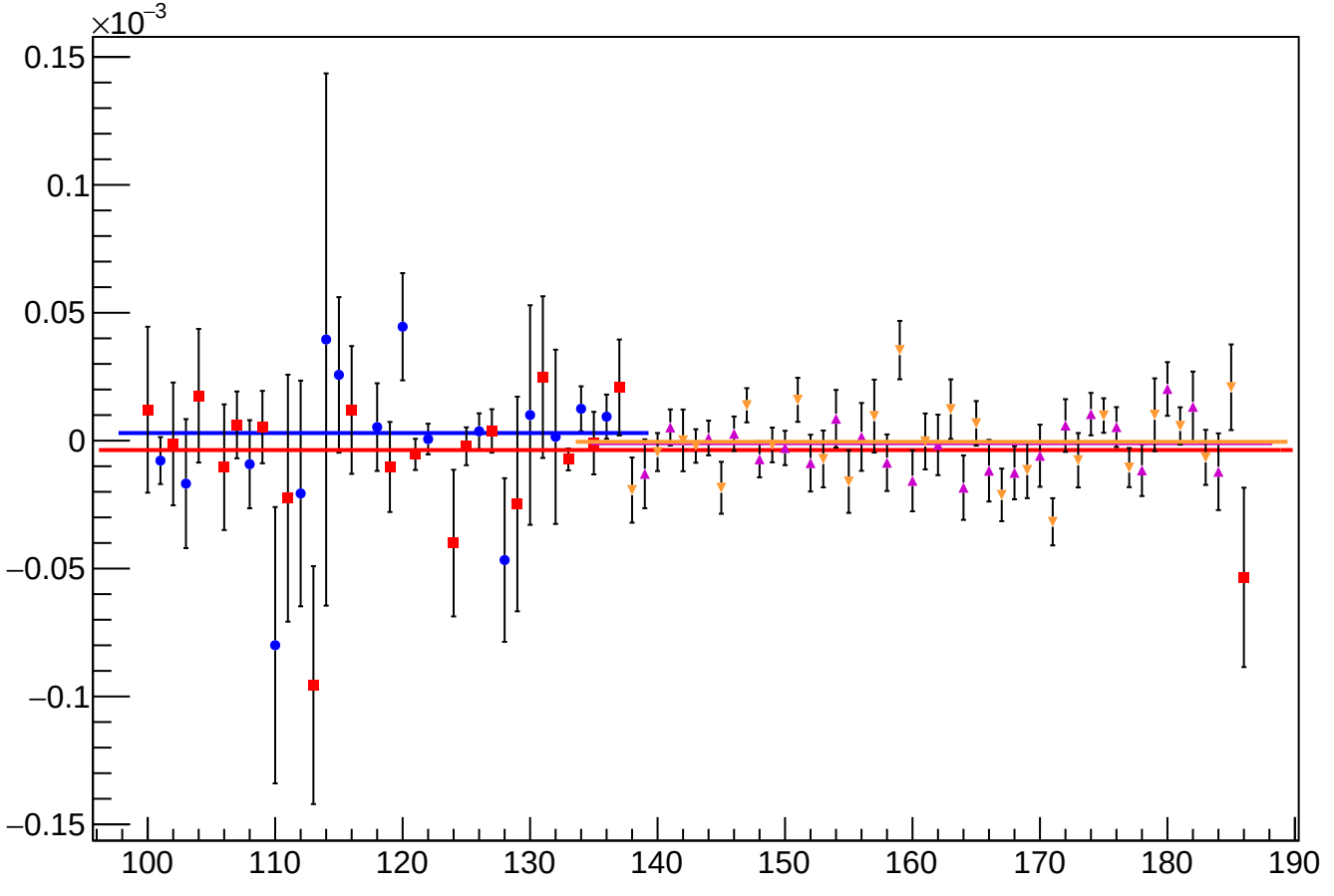
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 129.750+/-0.026 χ^2/NDF: 4016010.1/35

In: 124.354+/-0.018 χ^2/NDF:2539875.3/38

Out: 125.907+/-0.018 χ^2/NDF:3075883.1/44

All: 125.145+/-0.013 χ^2/NDF: 5619530.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

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

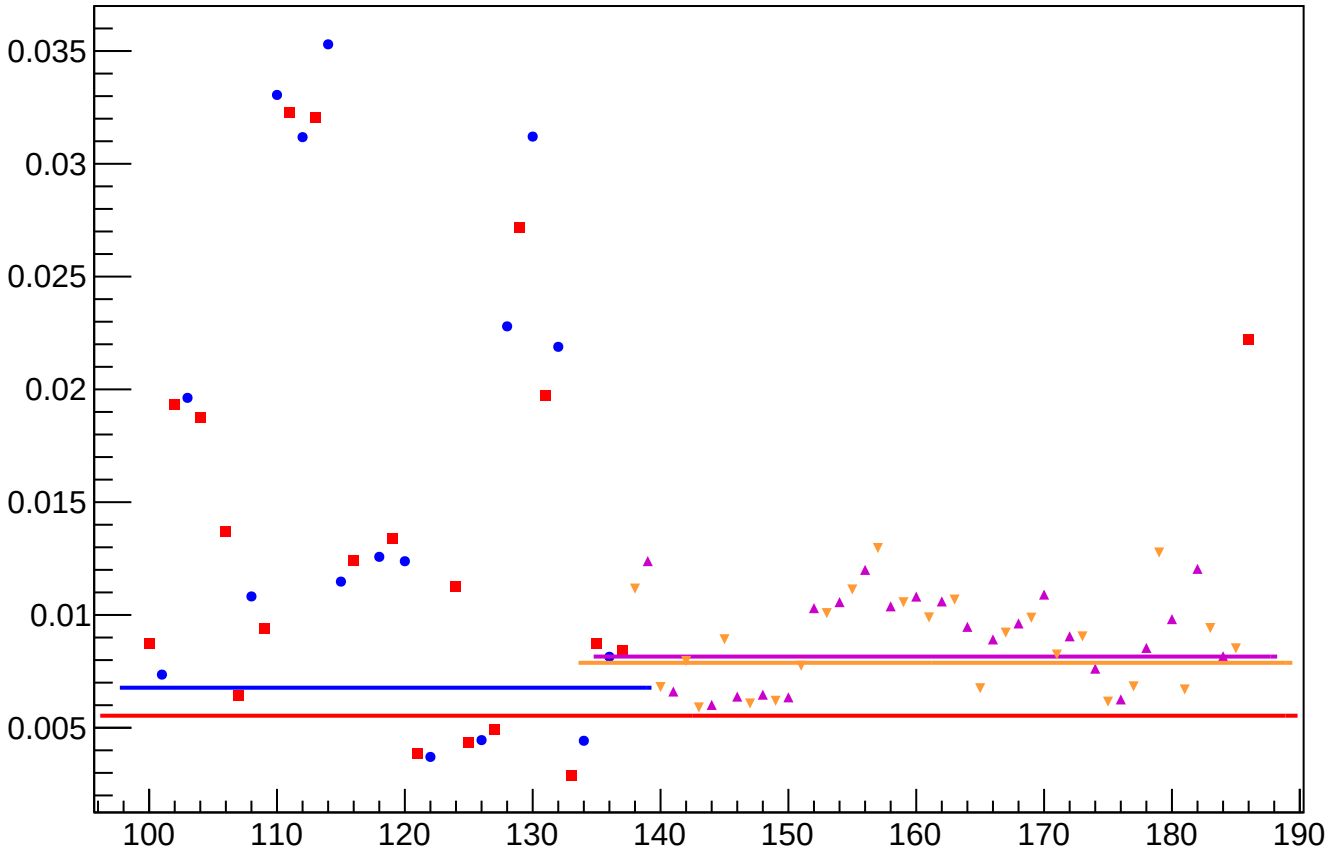
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 31.4/35

In: 0.000+/-0.000 χ^2/NDF:35.2/38

Out: -0.000+/-0.000 χ^2/NDF:68.1/44

All: -0.000+/-0.000 χ^2/NDF: 103.9/83



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

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

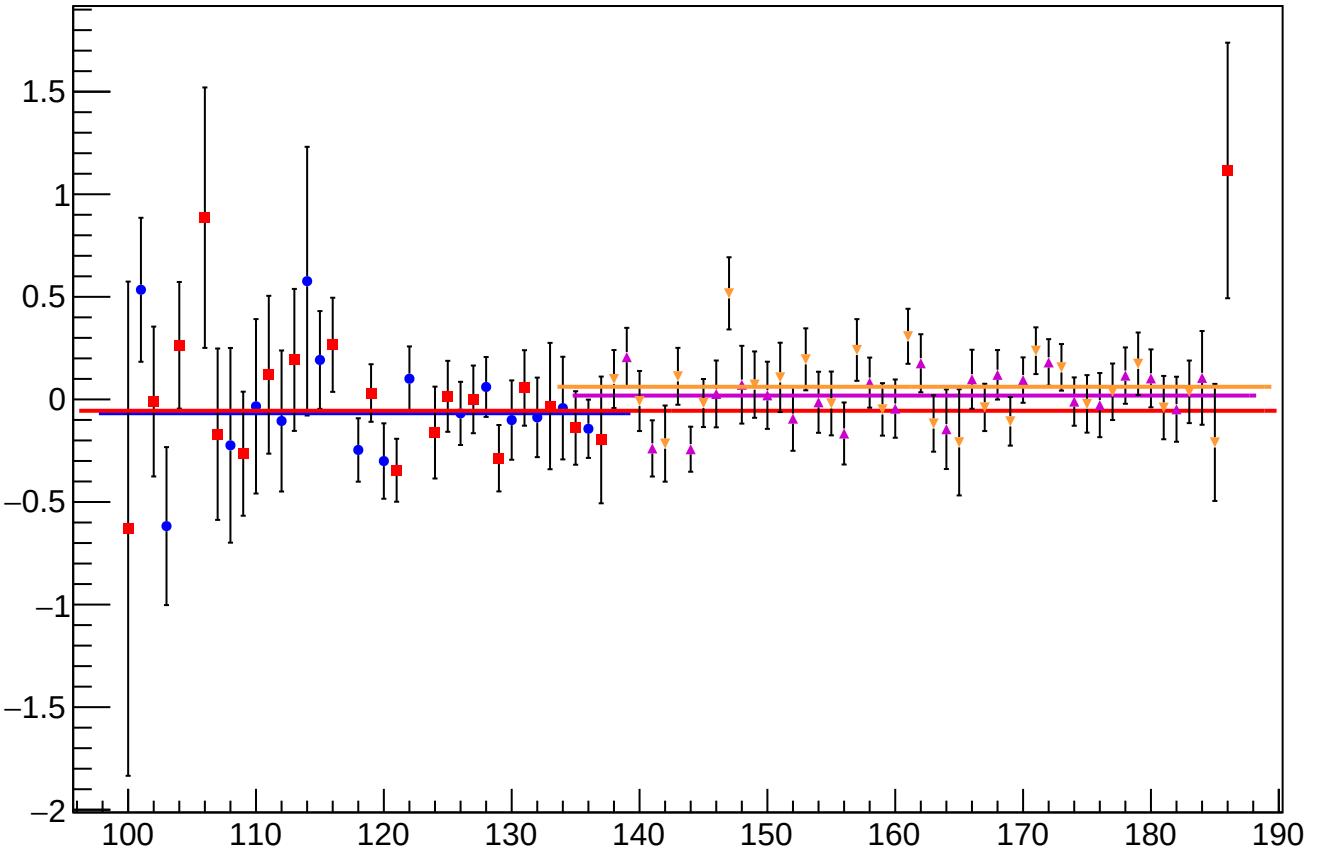
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.006+/-0.000 χ^2/NDF: 10986287.0/35

In: 0.008+/-0.000 χ^2/NDF:7066007.5/38

Out: 0.007+/-0.000 χ^2/NDF:9191159.8/44

All: 0.007+/-0.000 χ^2/NDF: 16437551.5/83



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

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

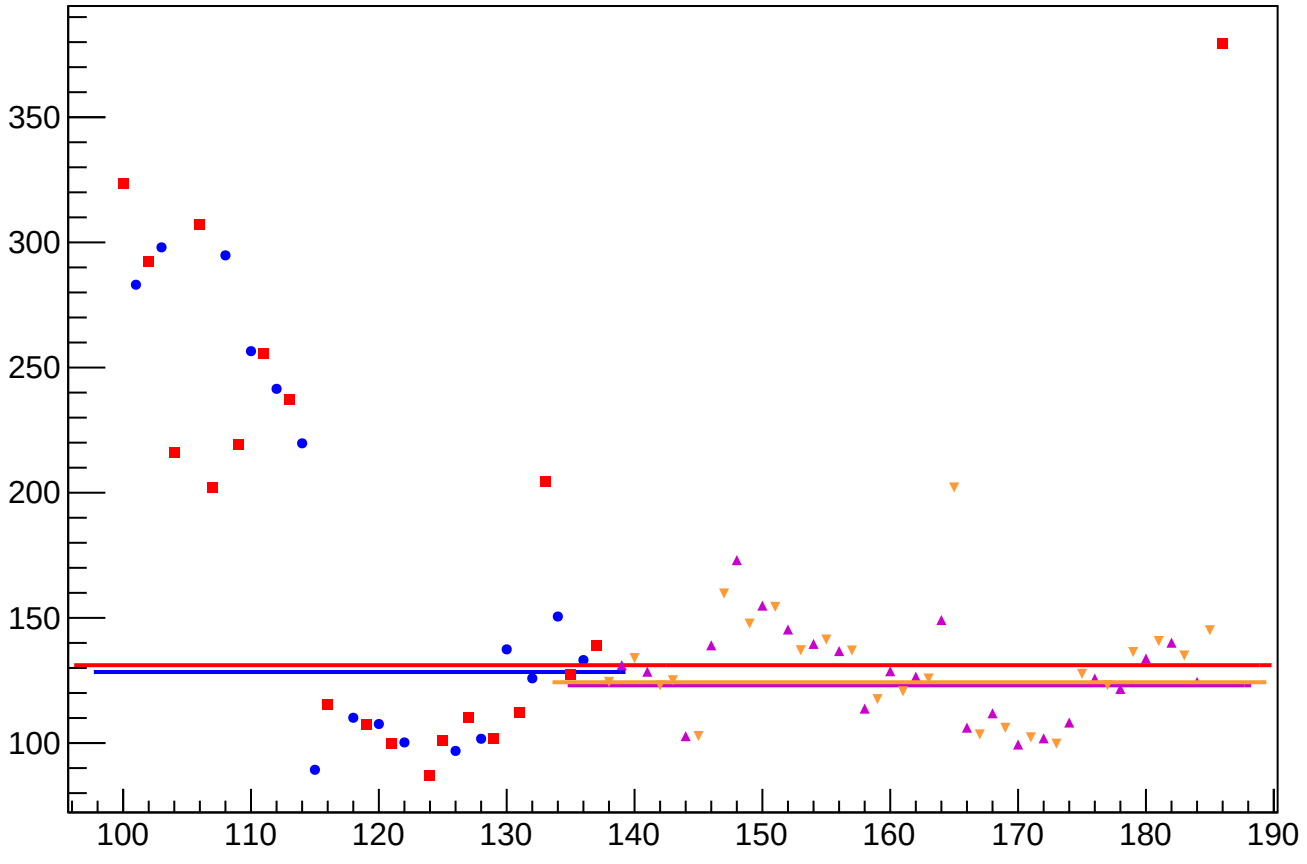
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.061+/-0.036 χ^2/NDF: 30.1/35

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.016+/-0.018 χ^2/NDF: 84.8/83



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

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

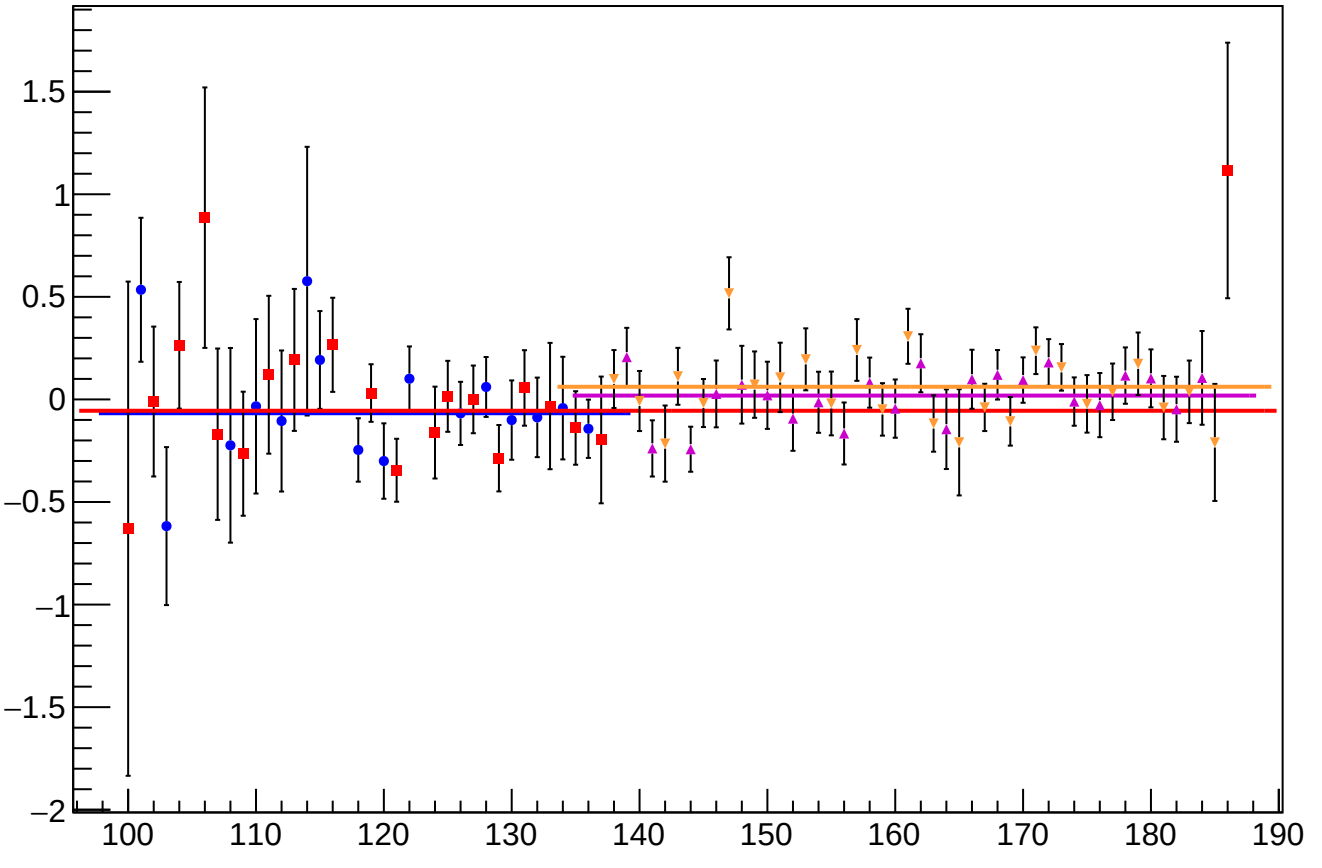
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 129.747+/-0.026 χ^2/NDF: 4015954.1/35

In: 124.353+/-0.018 χ^2/NDF:2539830.6/38

Out: 125.906+/-0.018 χ^2/NDF:3075908.9/44

All: 125.144+/-0.013 χ^2/NDF: 5619511.9/83



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

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

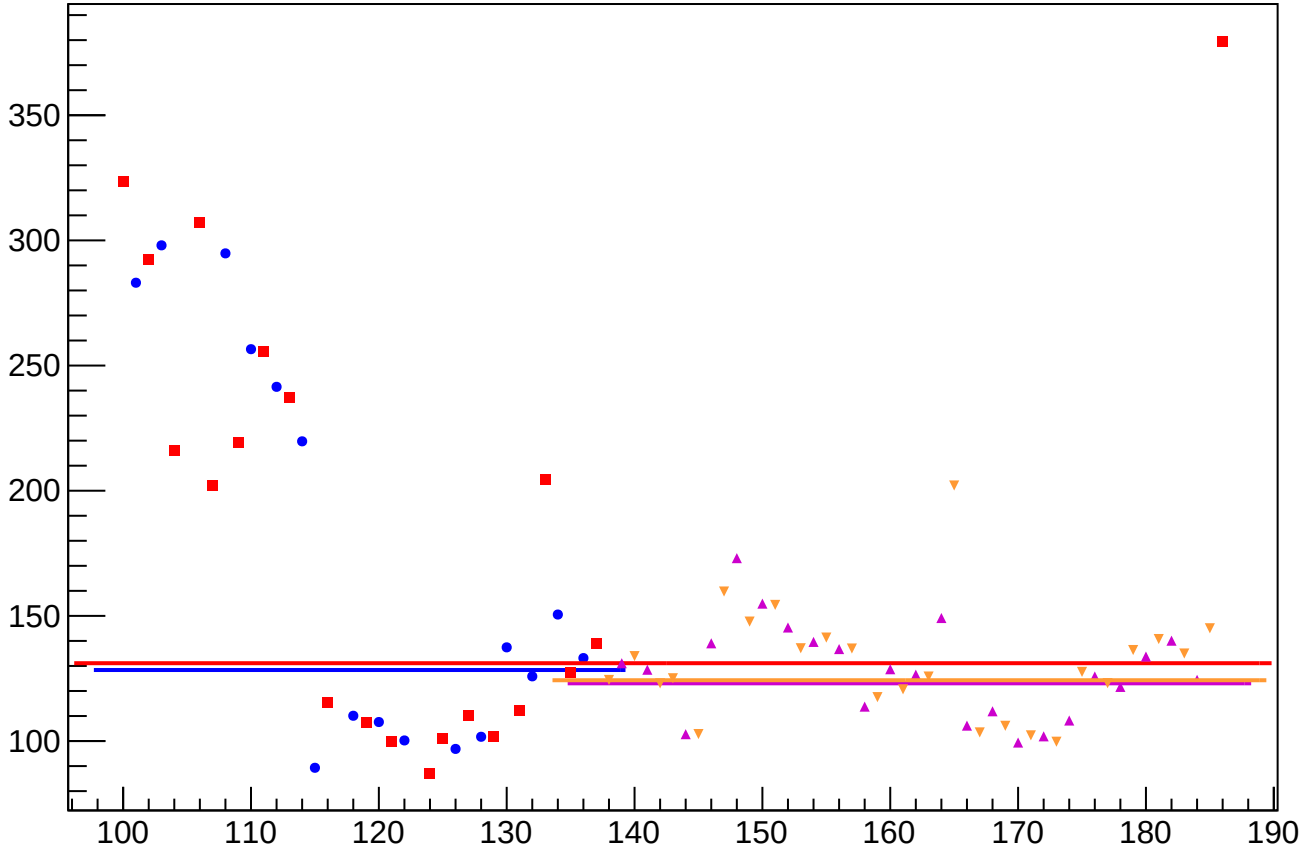
Right: -0.061+/-0.036 χ^2/NDF: 30.1/35

In: -0.002+/-0.026 χ^2/NDF:34.9/38

Out: 0.034+/-0.025 χ^2/NDF:49.0/44

All: 0.016+/-0.018 χ^2/NDF: 84.8/83

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 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

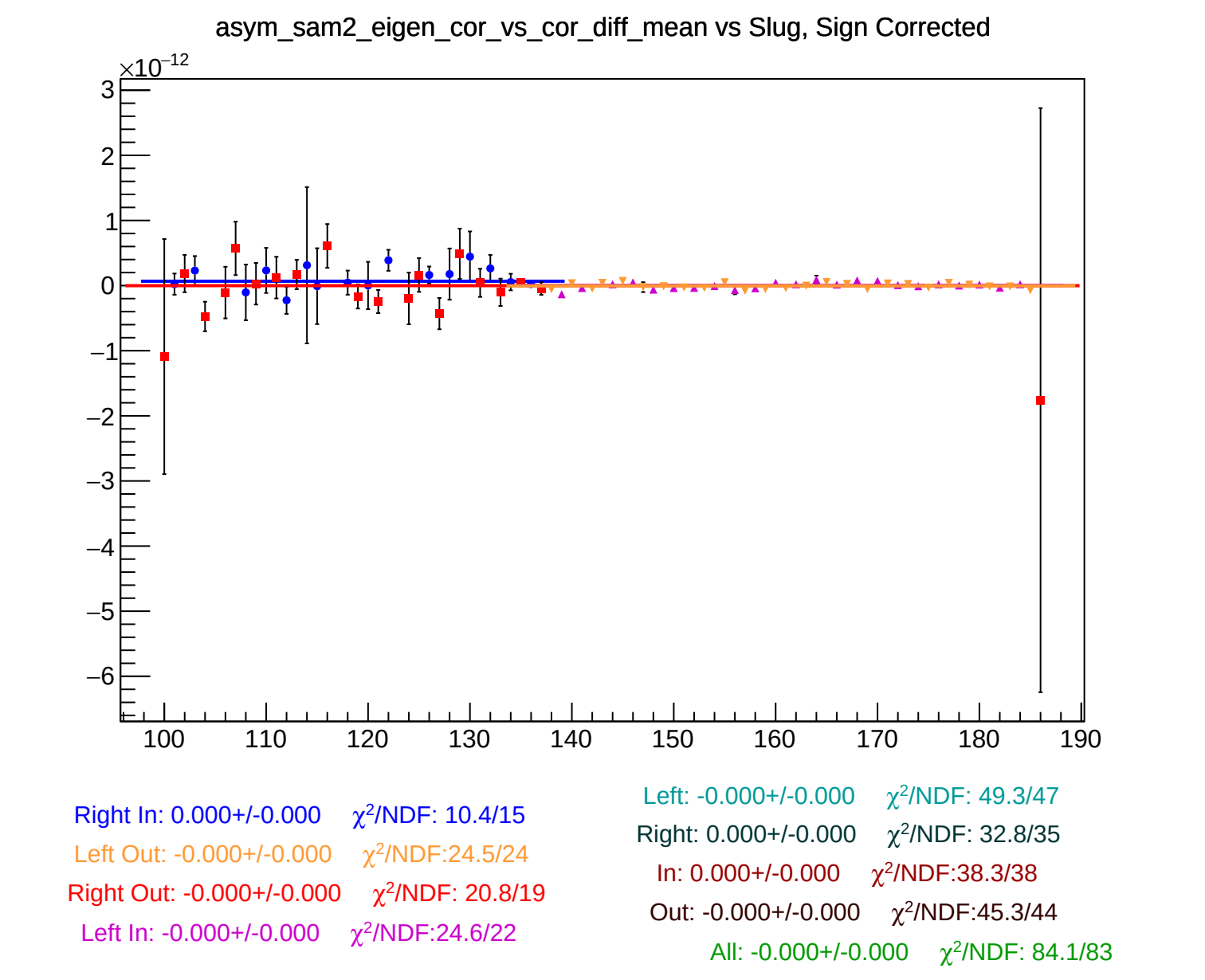
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

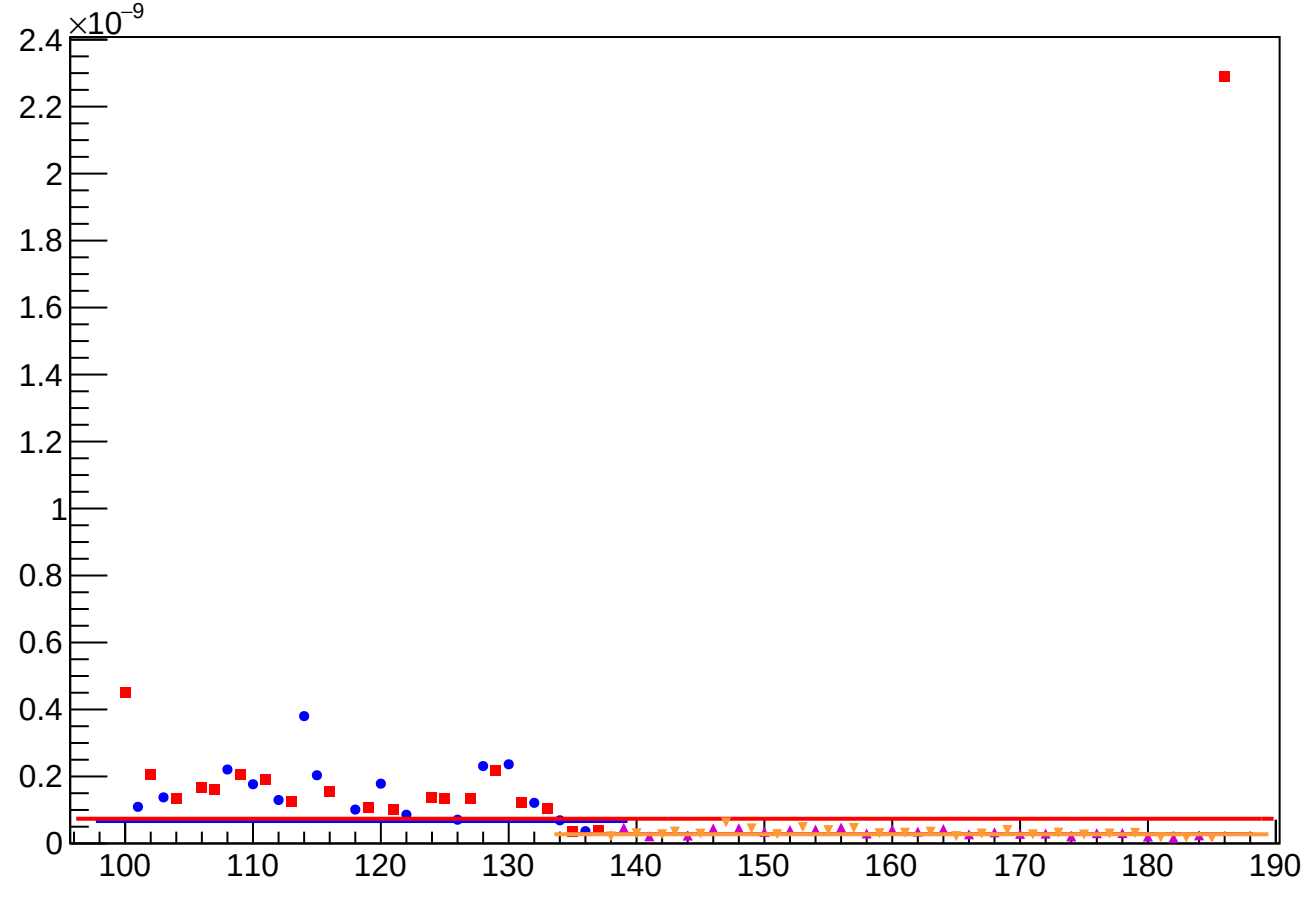
Right: 129.747+/-0.026 χ^2/NDF: 4015954.1/35

In: 124.353+/-0.018 χ^2/NDF:2539830.6/38

Out: 125.906+/-0.018 χ^2/NDF:3075908.9/44

All: 125.144+/-0.013 χ^2/NDF: 5619511.9/83


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: 10.4/15
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: 32.8/35
In: 0.000+/-0.000 χ²/NDF:38.3/38
Out: -0.000+/-0.000 χ²/NDF:45.3/44
All: -0.000+/-0.000 χ²/NDF: 84.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

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

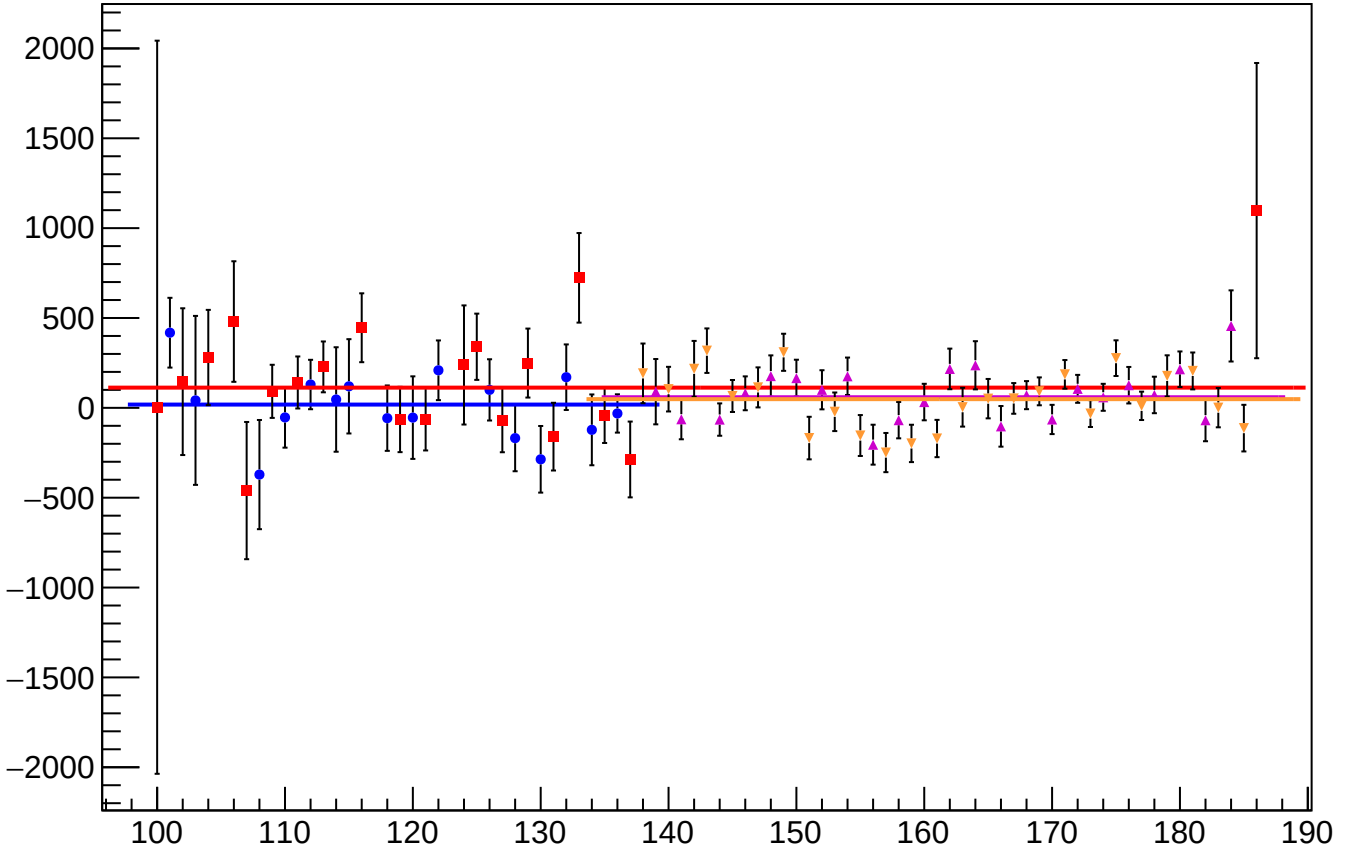
Right: 0.000+/-0.000 χ^2/NDF: 7355682.7/35

In: 0.000+/-0.000 χ^2/NDF:7558894.6/38

Out: 0.000+/-0.000 χ^2/NDF:9201059.2/44

All: 0.000+/-0.000 χ^2/NDF: 16772173.7/83

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

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

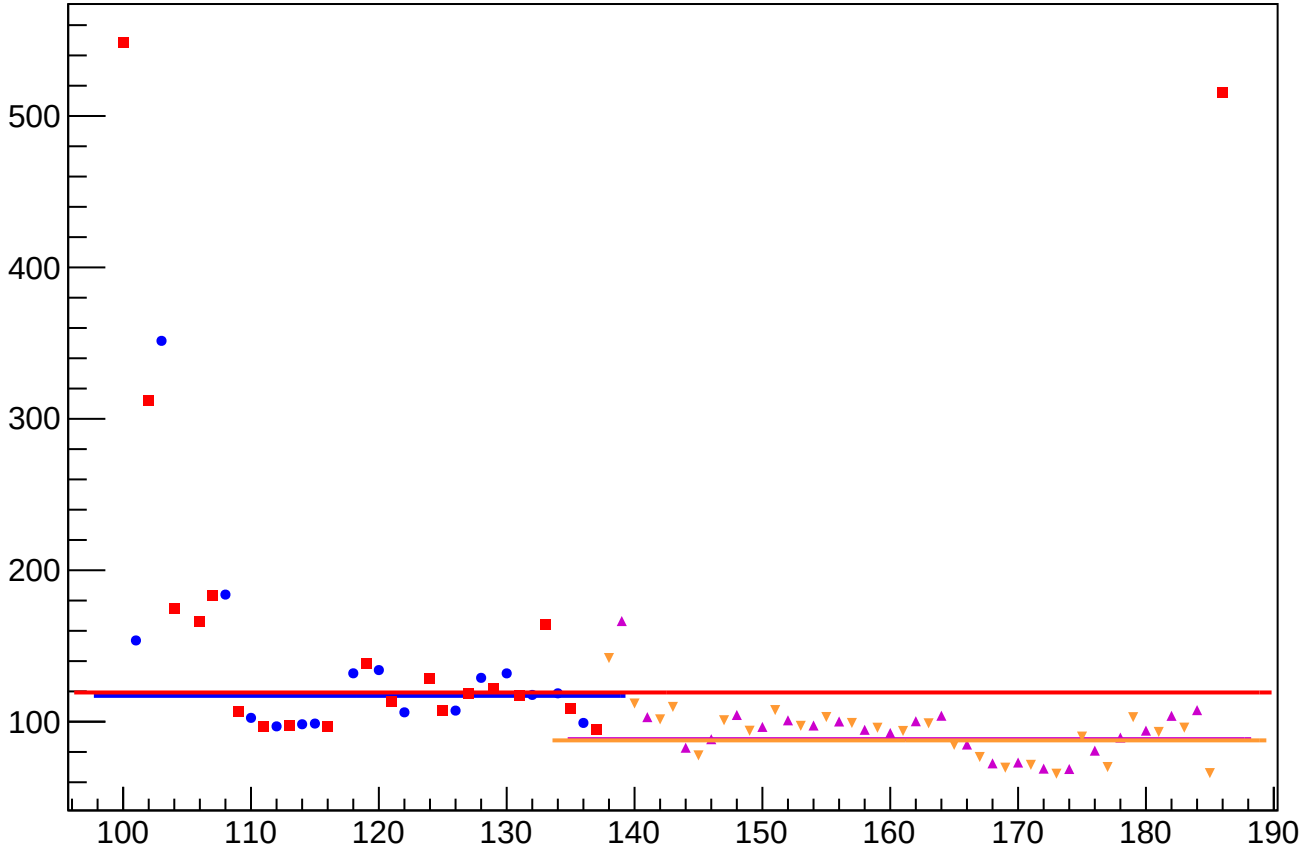
Right: 65.300+/-32.335 χ^2/NDF: 42.9/35

In: 51.812+/-19.199 χ^2/NDF:45.1/38

Out: 59.043+/-18.649 χ^2/NDF:82.1/44

All: 55.533+/-13.377 χ^2/NDF: 127.3/83

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

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

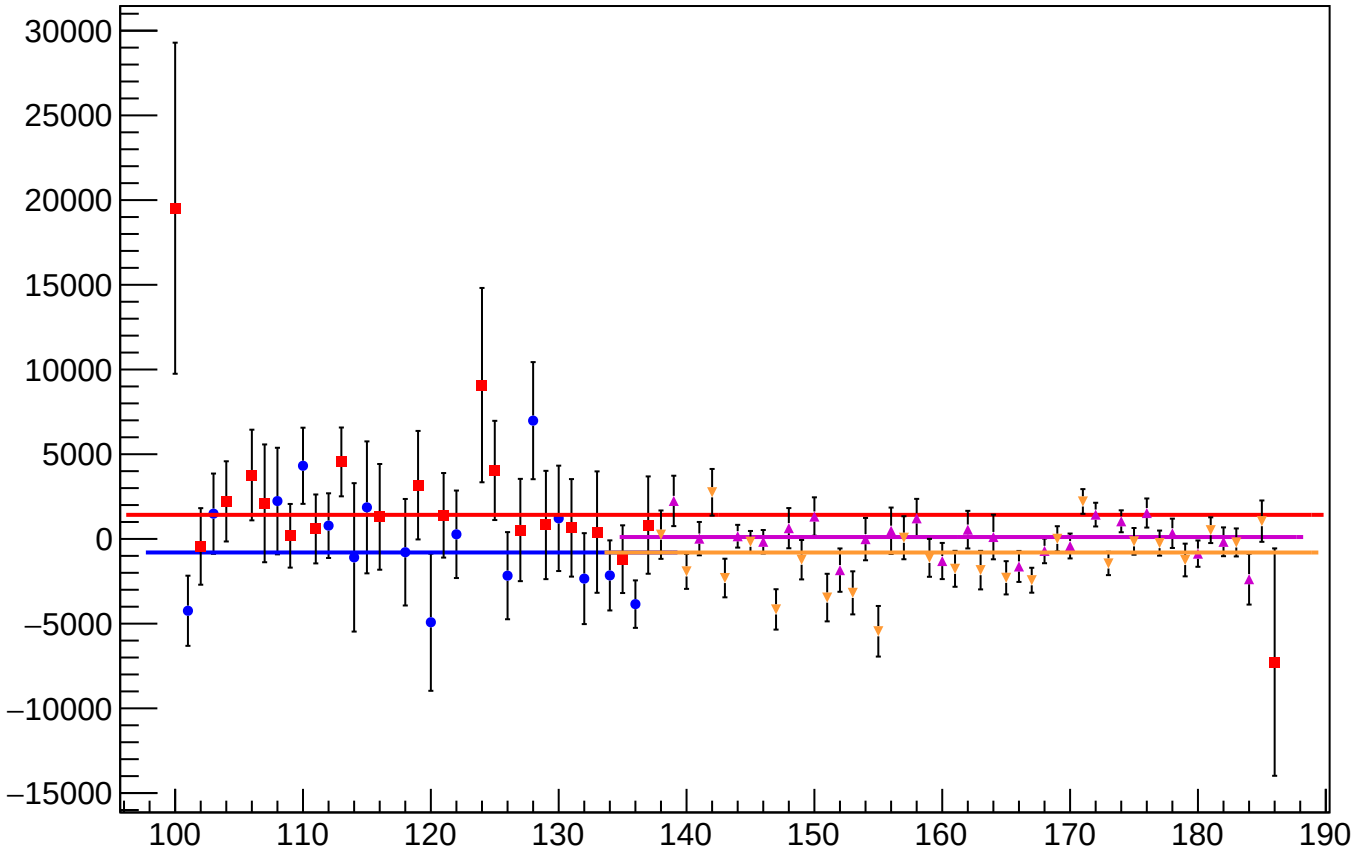
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 118.175+/-0.023 χ^2/NDF: 2318404.7/35

In: 93.526+/-0.014 χ^2/NDF:2578159.0/38

Out: 92.912+/-0.013 χ^2/NDF:3468179.7/44

All: 93.210+/-0.009 χ^2/NDF: 6047390.9/83



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

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

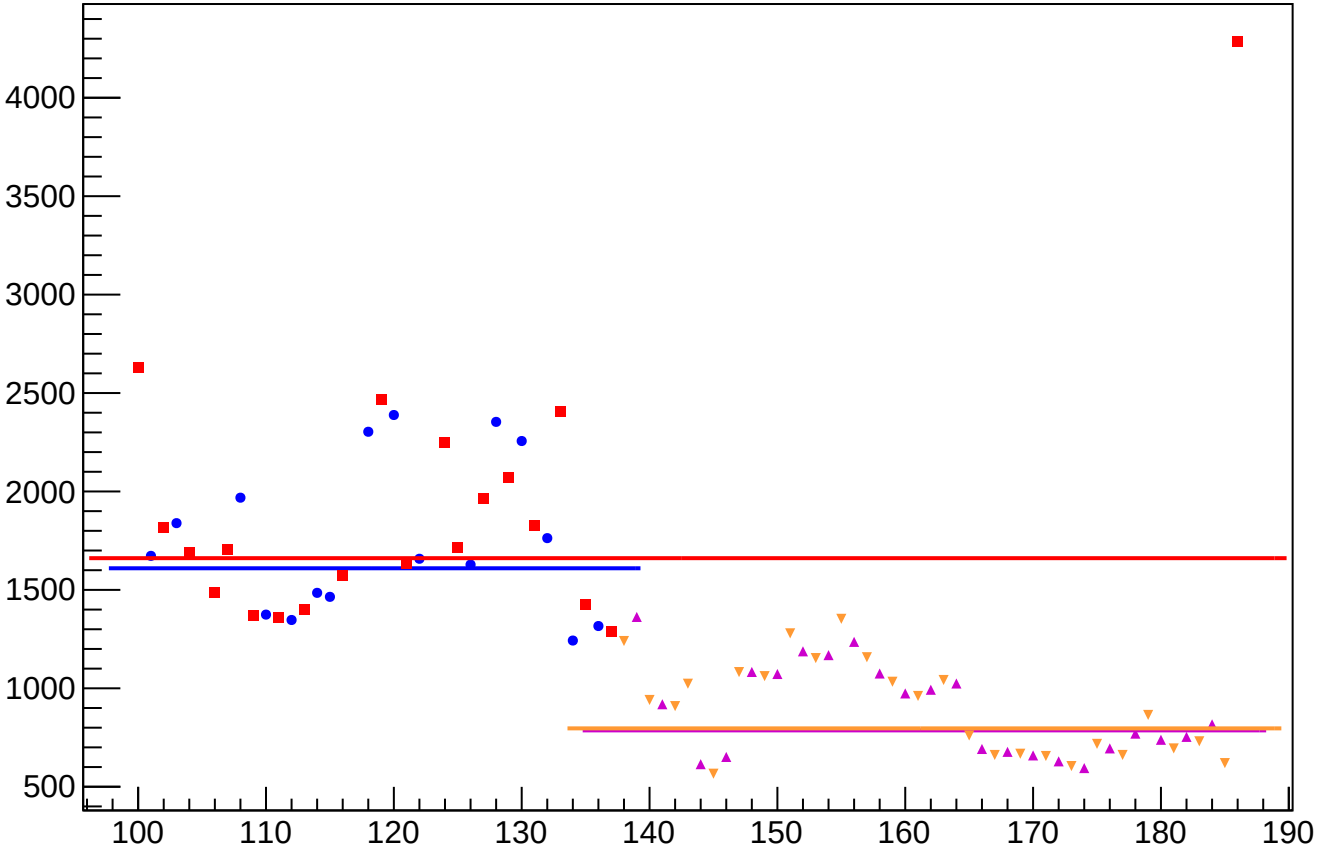
Right: 320.995+/-433.643 χ^2/NDF: 44.6/35

In: 33.087+/-181.795 χ^2/NDF:52.5/38

Out: -609.458+/-179.461 χ^2/NDF:98.6/44

All: -292.336+/-127.715 χ^2/NDF: 157.4/83

asym_sam3_reg_correction_rms vs Slug, Sign Corrected



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

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

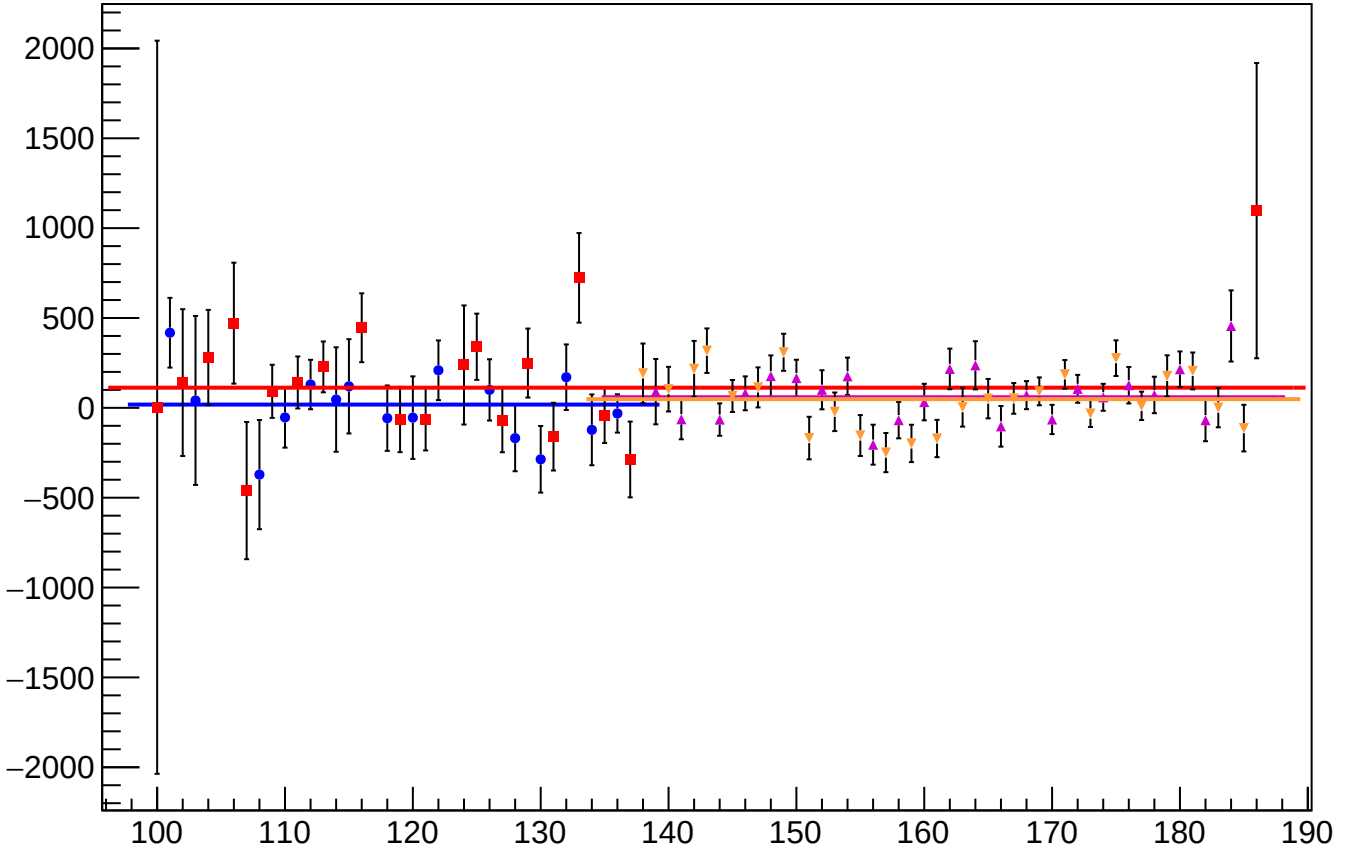
Right: 1635.688+/-0.307 χ^2/NDF: 1454610.7/35

In: 858.053+/-0.129 χ^2/NDF:6038222.0/38

Out: 871.223+/-0.127 χ^2/NDF:6910580.4/44

All: 864.723+/-0.090 χ^2/NDF: 12954118.0/83

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

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

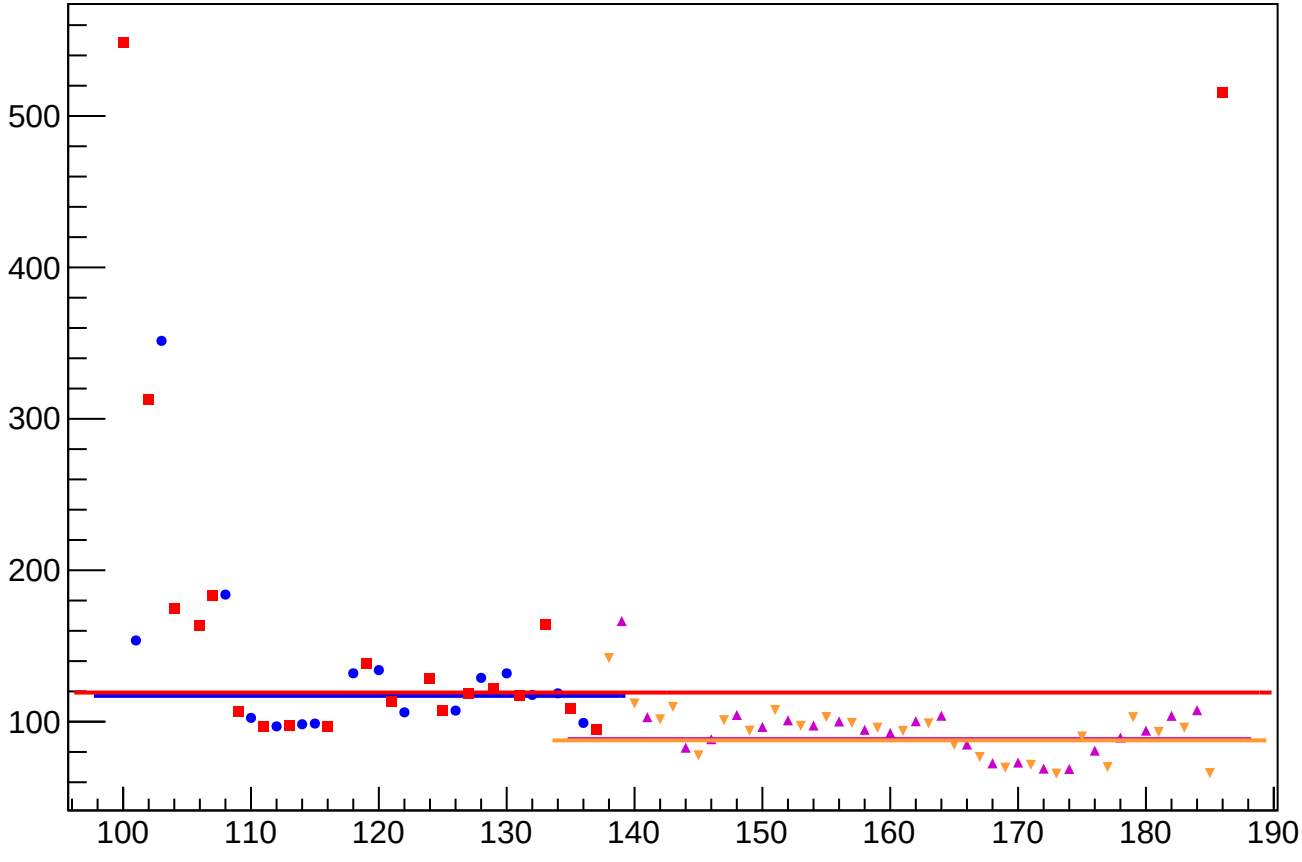
Right: 65.150+/-32.336 χ^2/NDF: 42.8/35

In: 51.812+/-19.199 χ^2/NDF:45.1/38

Out: 59.001+/-18.650 χ^2/NDF:82.0/44

All: 55.511+/-13.377 χ^2/NDF: 127.2/83

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

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

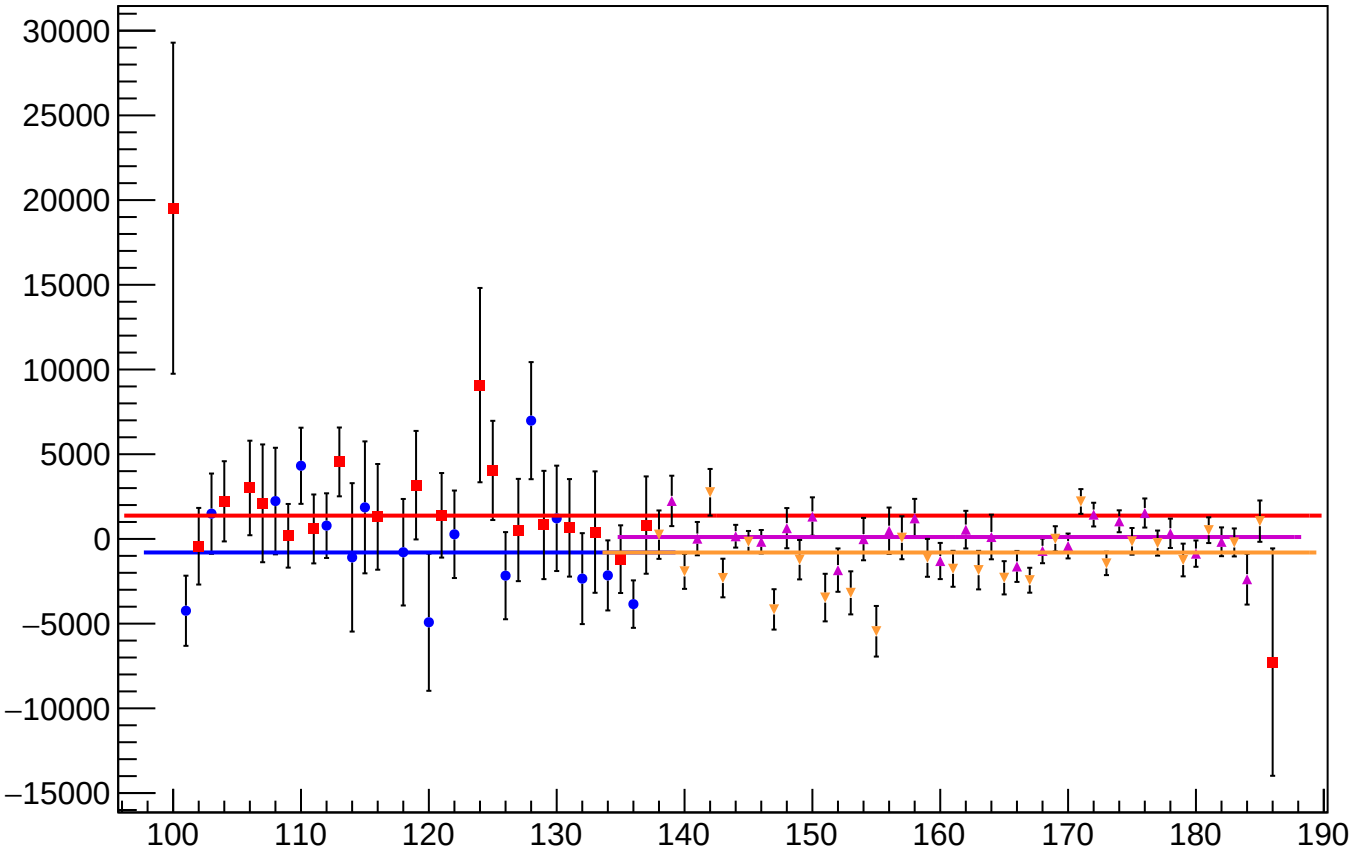
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 118.150+/-0.023 χ^2/NDF: 2314225.5/35

In: 93.526+/-0.014 χ^2/NDF:2578160.6/38

Out: 92.903+/-0.013 χ^2/NDF:3461428.3/44

All: 93.205+/-0.009 χ^2/NDF: 6040672.6/83



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

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

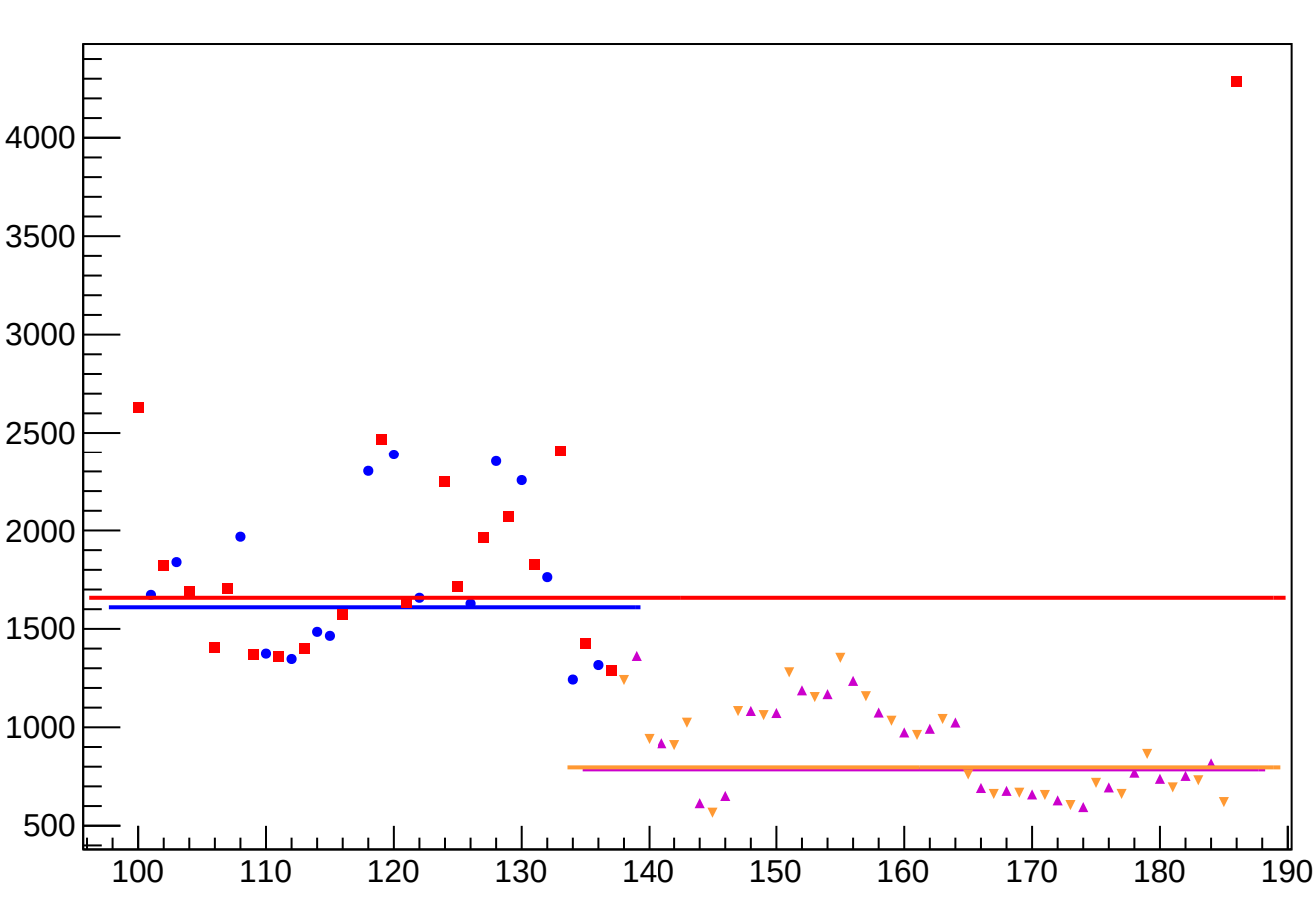
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 295.742+/-434.120 χ^2/NDF: 43.8/35

In: 33.091+/-181.795 χ^2/NDF:52.5/38

Out: -614.121+/-179.495 χ^2/NDF:97.6/44

All: -294.635+/-127.728 χ^2/NDF: 156.5/83



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

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

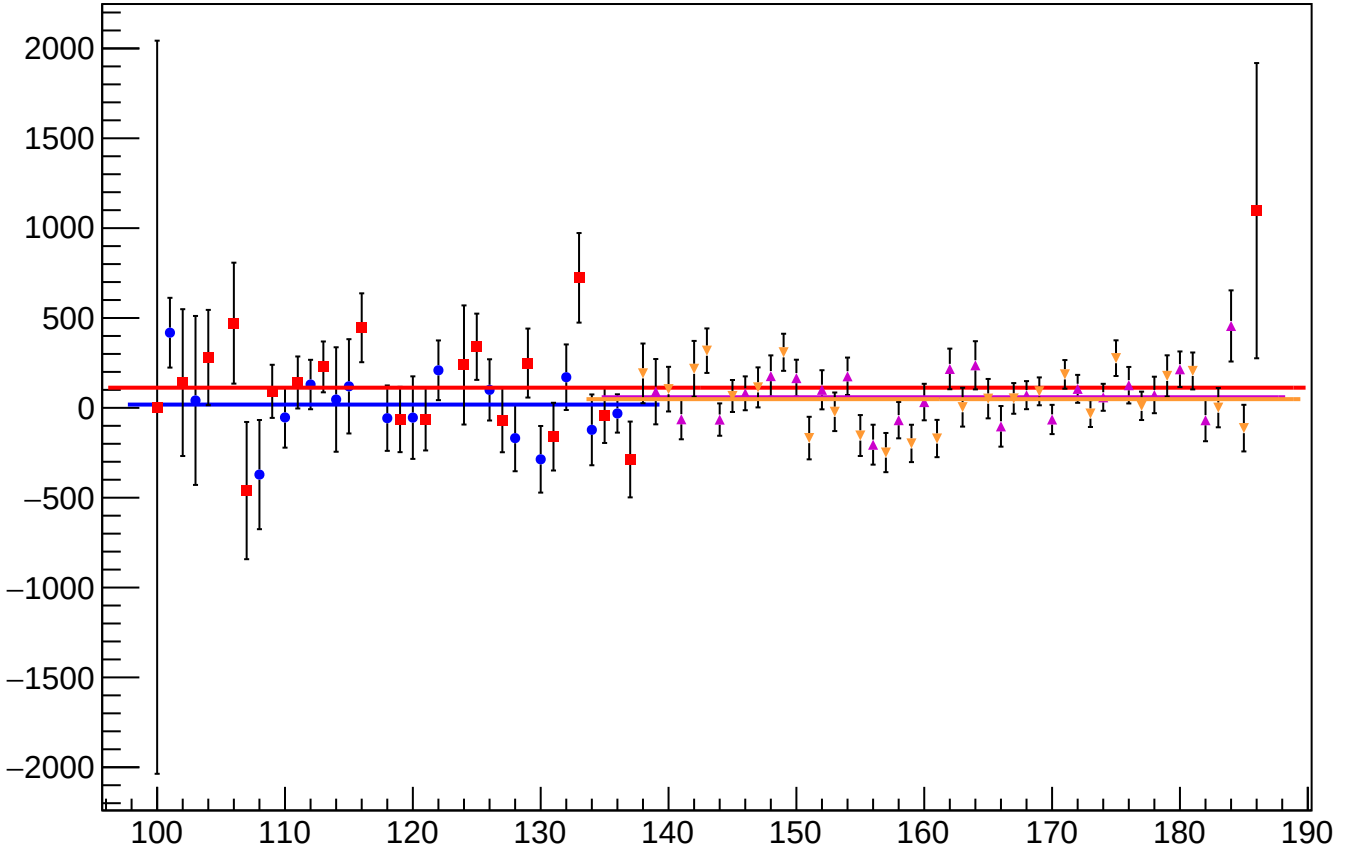
Right: 1634.090+/-0.307 χ^2/NDF: 1462171.8/35

In: 858.053+/-0.129 χ^2/NDF:6038278.7/38

Out: 870.662+/-0.127 χ^2/NDF:6878507.9/44

All: 864.438+/-0.090 χ^2/NDF: 12921658.2/83

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

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

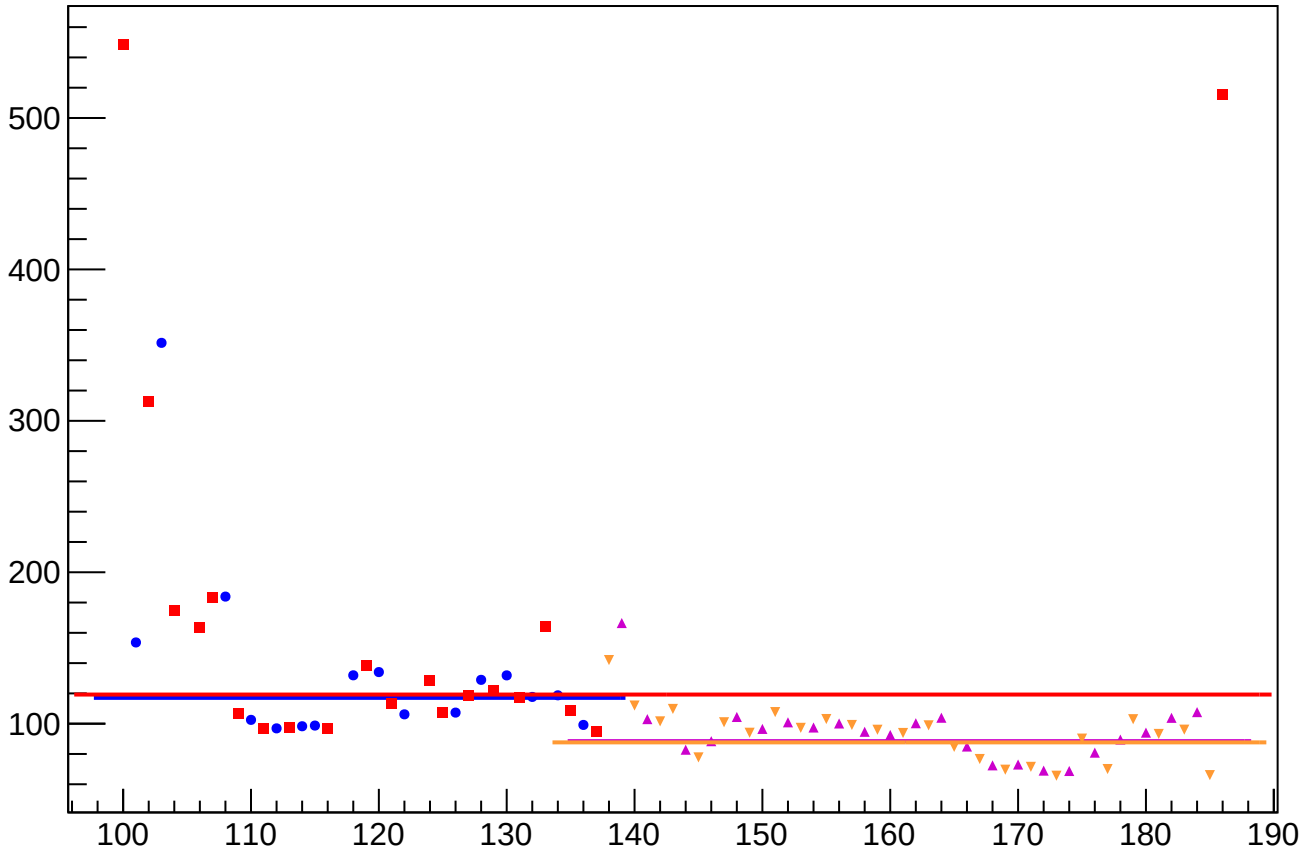
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 65.150+/-32.336 χ^2/NDF: 42.8/35

In: 51.812+/-19.199 χ^2/NDF:45.1/38

Out: 59.001+/-18.650 χ^2/NDF:82.0/44

All: 55.511+/-13.377 χ^2/NDF: 127.2/83



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

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

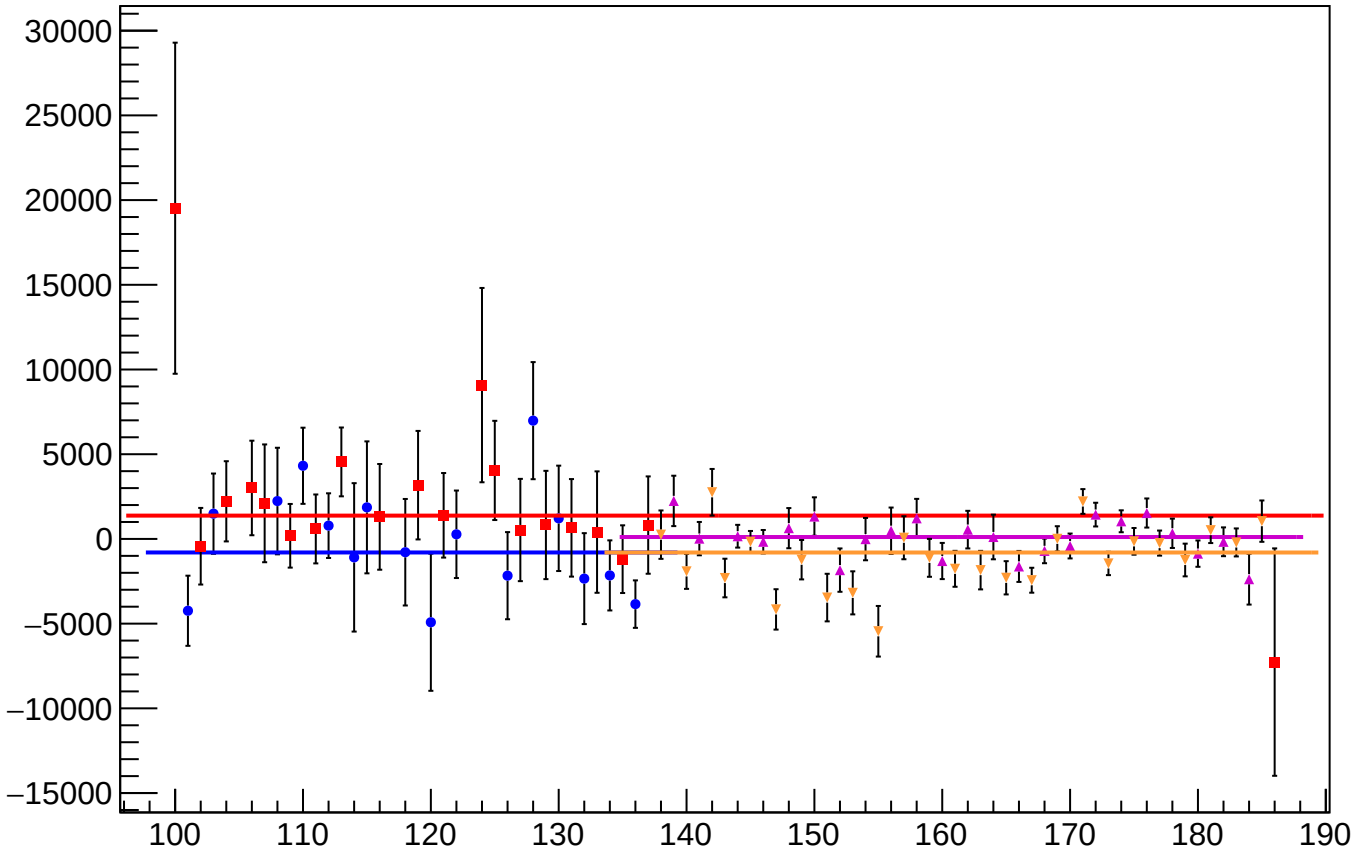
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 118.150+/-0.023 χ^2/NDF: 2314225.5/35

In: 93.526+/-0.014 χ^2/NDF:2578160.6/38

Out: 92.903+/-0.013 χ^2/NDF:3461428.3/44

All: 93.205+/-0.009 χ^2/NDF: 6040672.6/83



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

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

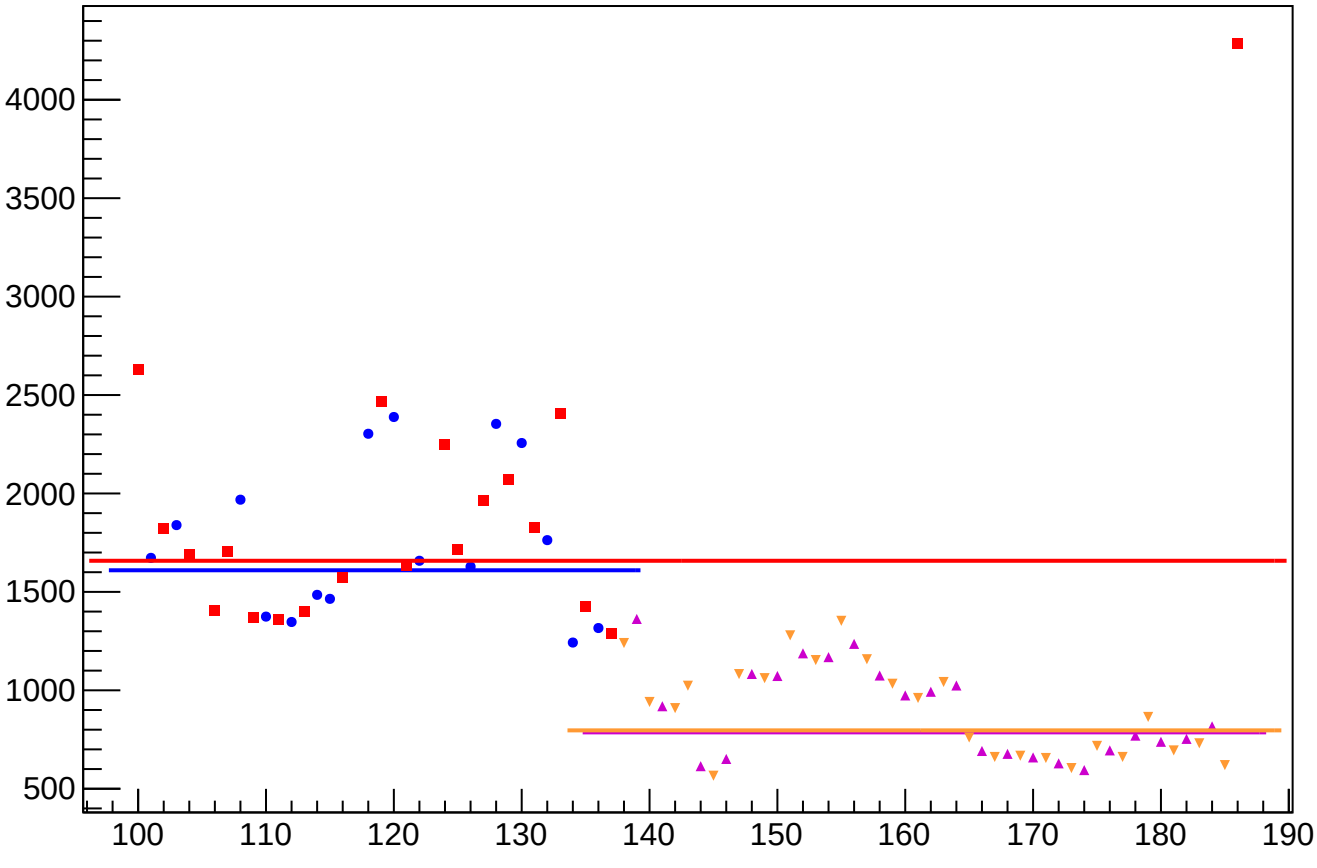
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 295.742+/-434.120 χ^2/NDF: 43.8/35

In: 33.091+/-181.795 χ^2/NDF:52.5/38

Out: -614.121+/-179.495 χ^2/NDF:97.6/44

All: -294.635+/-127.728 χ^2/NDF: 156.5/83



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

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

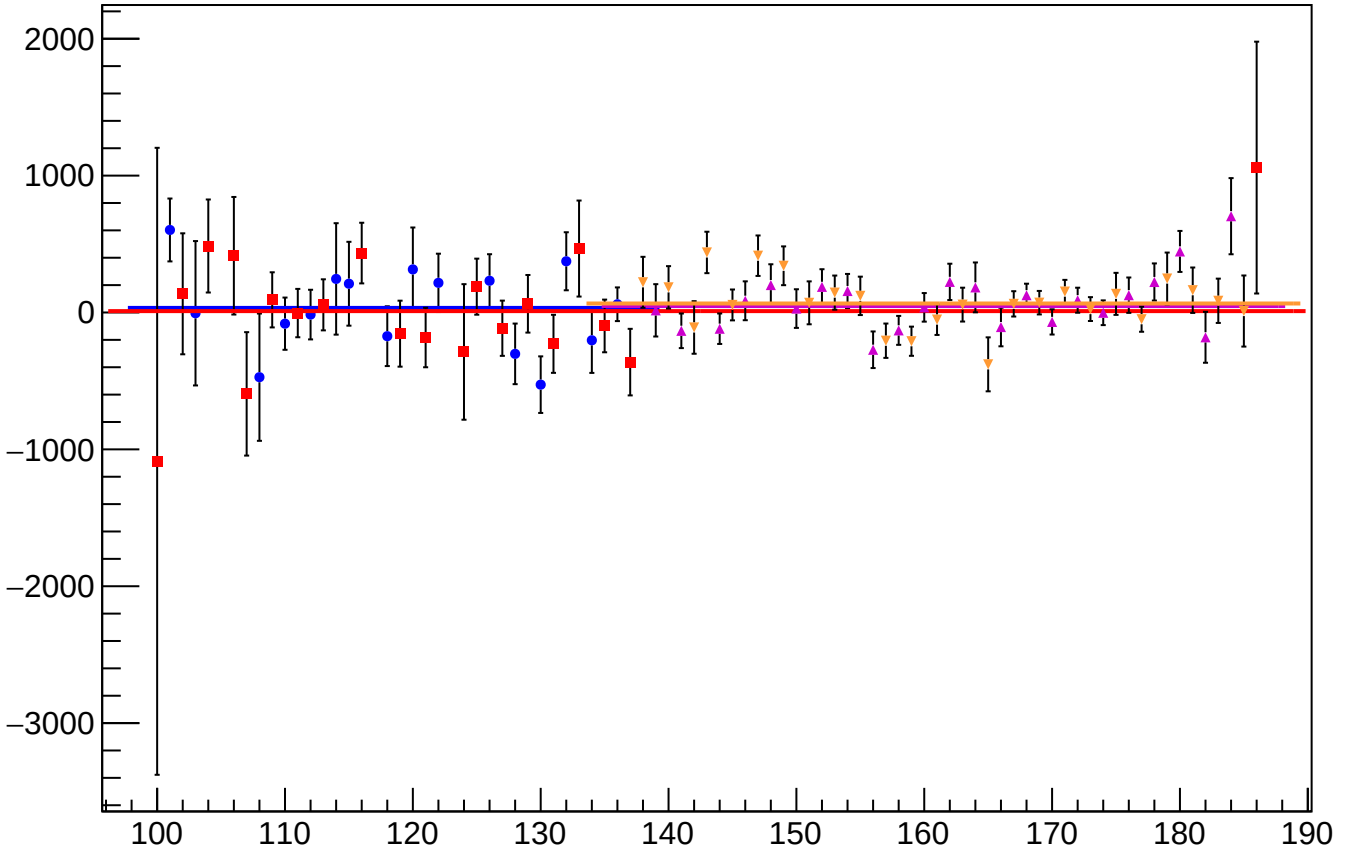
Right: 1634.090+/-0.307 χ^2/NDF: 1462171.8/35

In: 858.053+/-0.129 χ^2/NDF:6038278.7/38

Out: 870.662+/-0.127 χ^2/NDF:6878507.9/44

All: 864.438+/-0.090 χ^2/NDF: 12921658.2/83

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

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

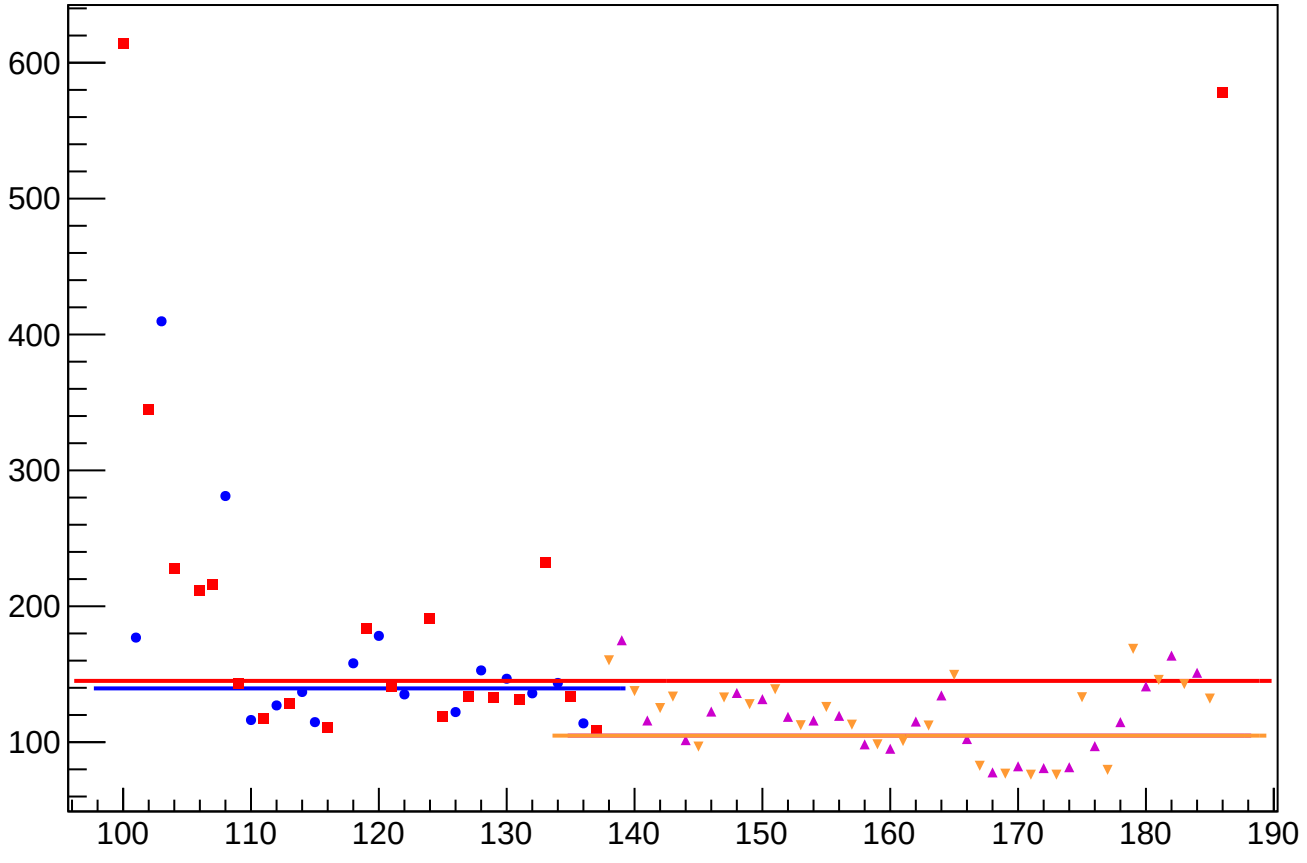
Right: 21.966+/-39.201 χ^2/NDF: 43.9/35

In: 44.601+/-23.274 χ^2/NDF:63.9/38

Out: 56.406+/-22.873 χ^2/NDF:59.5/44

All: 50.606+/-16.313 χ^2/NDF: 123.5/83

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

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

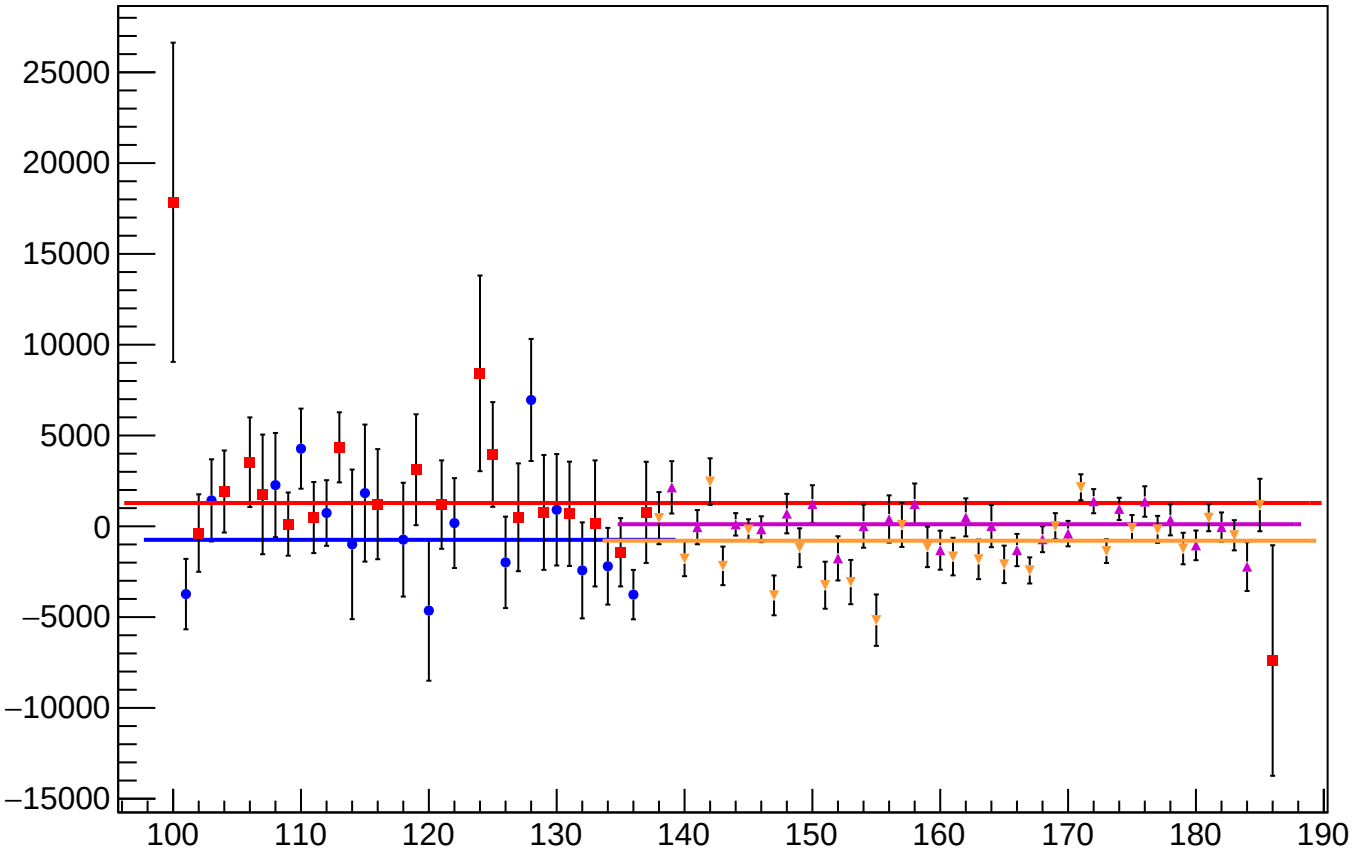
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 142.274+/-0.028 χ^2/NDF: 2548421.1/35

In: 111.075+/-0.016 χ^2/NDF:3247676.6/38

Out: 111.533+/-0.016 χ^2/NDF:4667010.7/44

All: 111.308+/-0.012 χ^2/NDF: 7915081.7/83



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

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

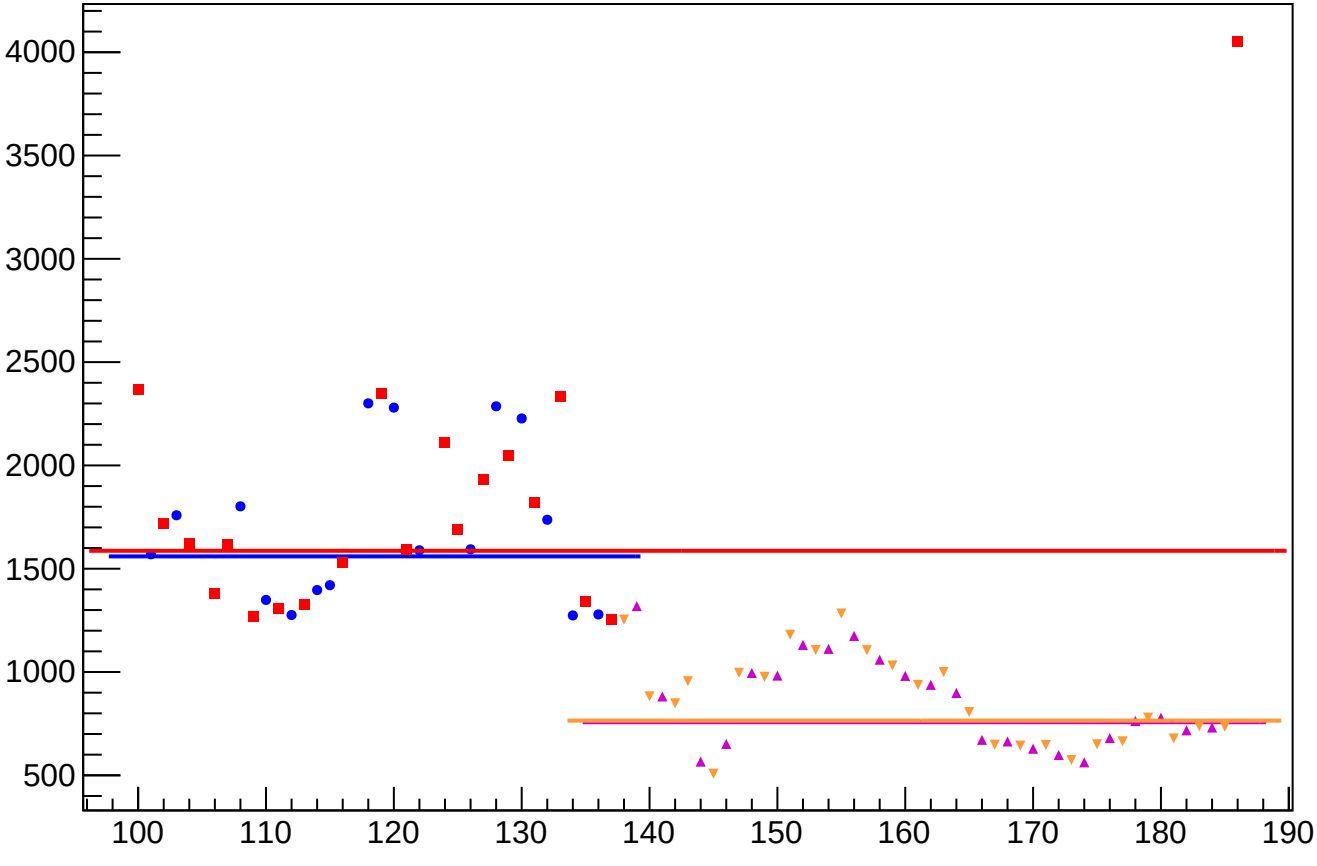
Right: 291.125+/-416.819 χ^2/NDF: 44.8/35

In: 39.592+/-175.044 χ^2/NDF:51.7/38

Out: -612.681+/-171.907 χ^2/NDF:97.0/44

All: -292.442+/-122.651 χ^2/NDF: 155.7/83

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

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

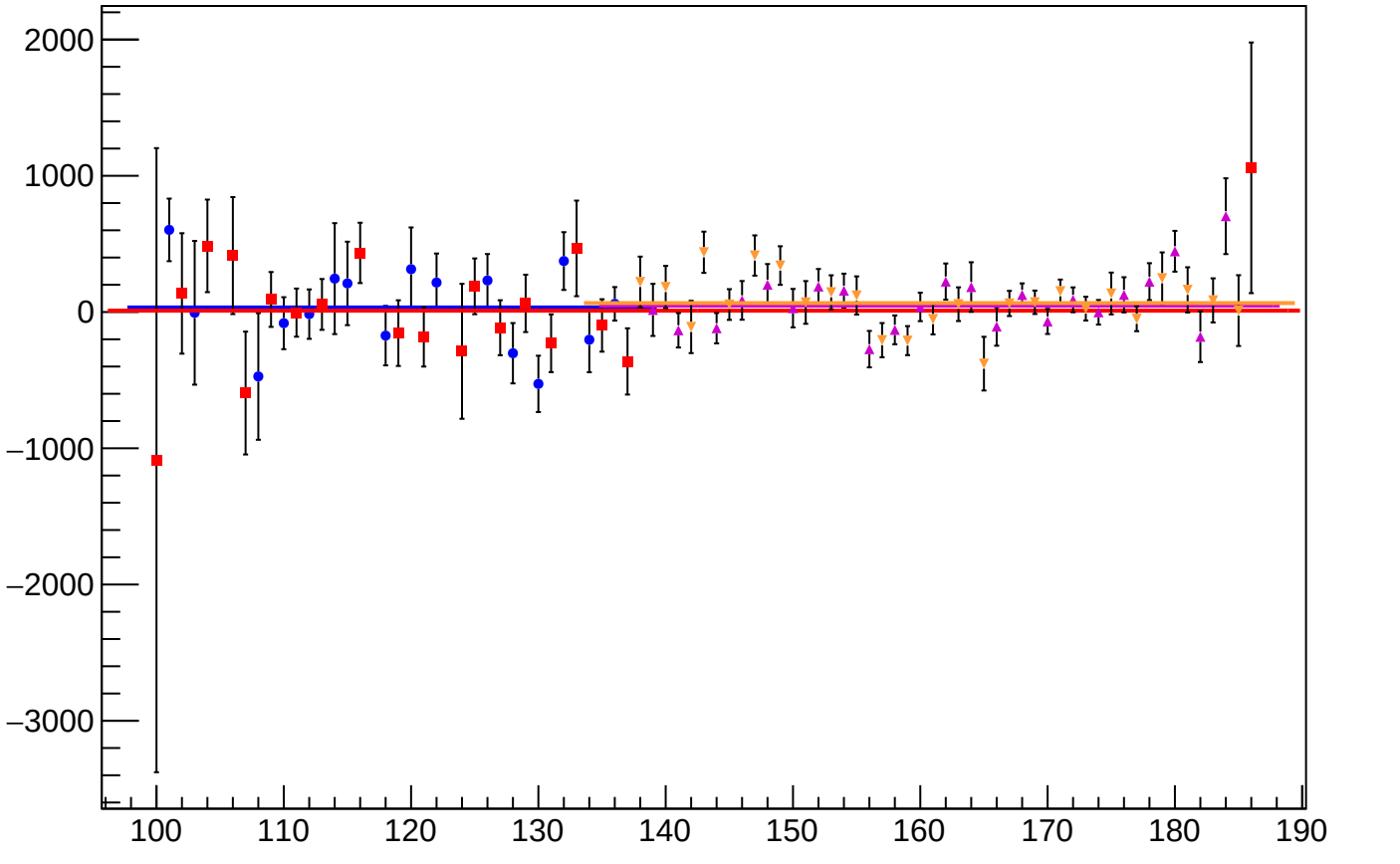
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1573.554+/-0.295 χ^2/NDF: 1474249.7/35

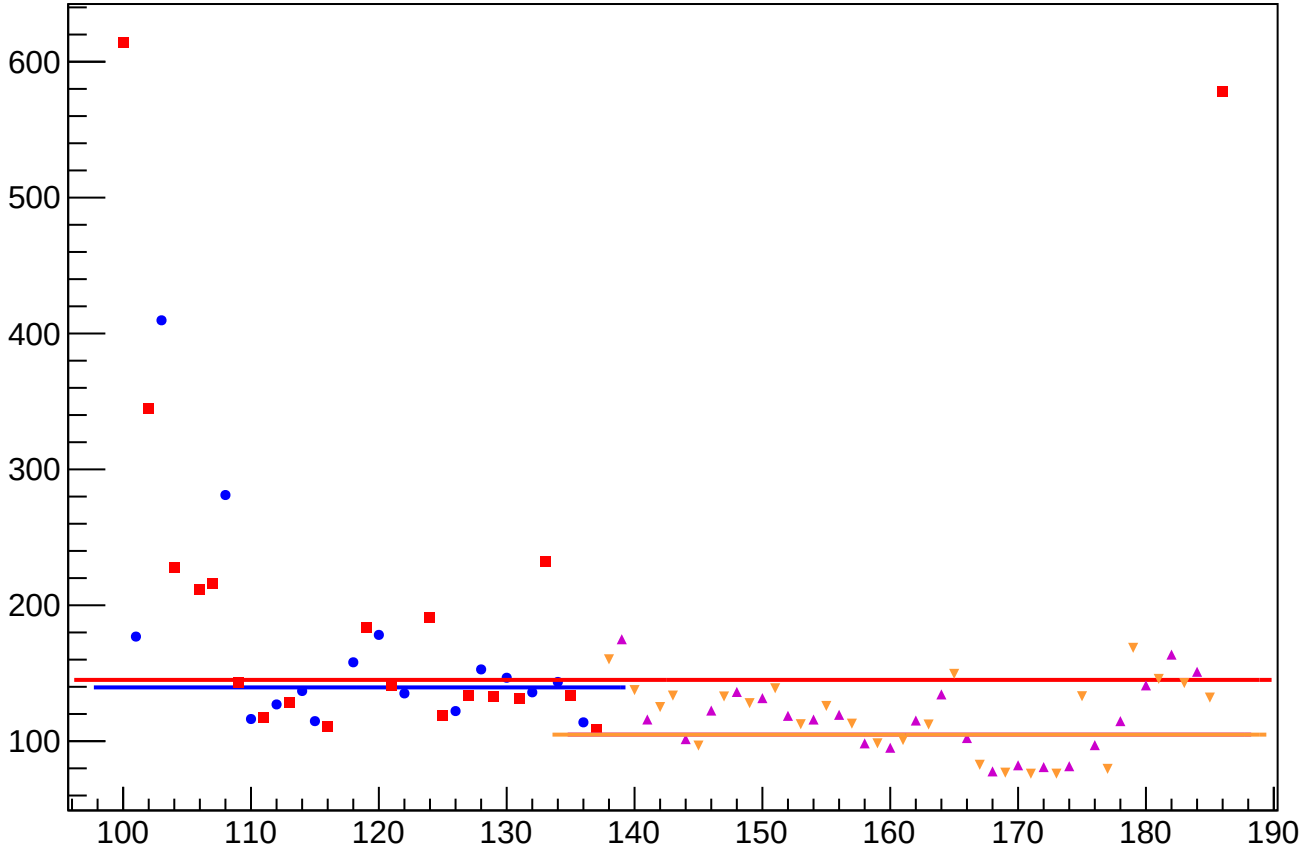
In: 826.220+/-0.124 χ^2/NDF:6037181.3/38

Out: 836.129+/-0.122 χ^2/NDF:6920574.4/44

All: 831.264+/-0.087 χ^2/NDF: 12961018.3/83


eigen_dit_asym_sam3_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 33.469+/-54.908 χ²/NDF: 25.2/15
Left Out: 65.703+/-25.059 χ²/NDF:40.0/24
Right Out: 10.001+/-55.986 χ²/NDF: 18.6/19
Left In: 47.038+/-25.696 χ²/NDF:38.6/22
Left: 56.604+/-17.941 χ²/NDF: 78.9/47
Right: 21.964+/-39.201 χ²/NDF: 43.9/35
In: 44.600+/-23.274 χ²/NDF:63.9/38
Out: 56.406+/-22.873 χ²/NDF:59.5/44
All: 50.606+/-16.313 χ²/NDF: 123.5/83

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

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

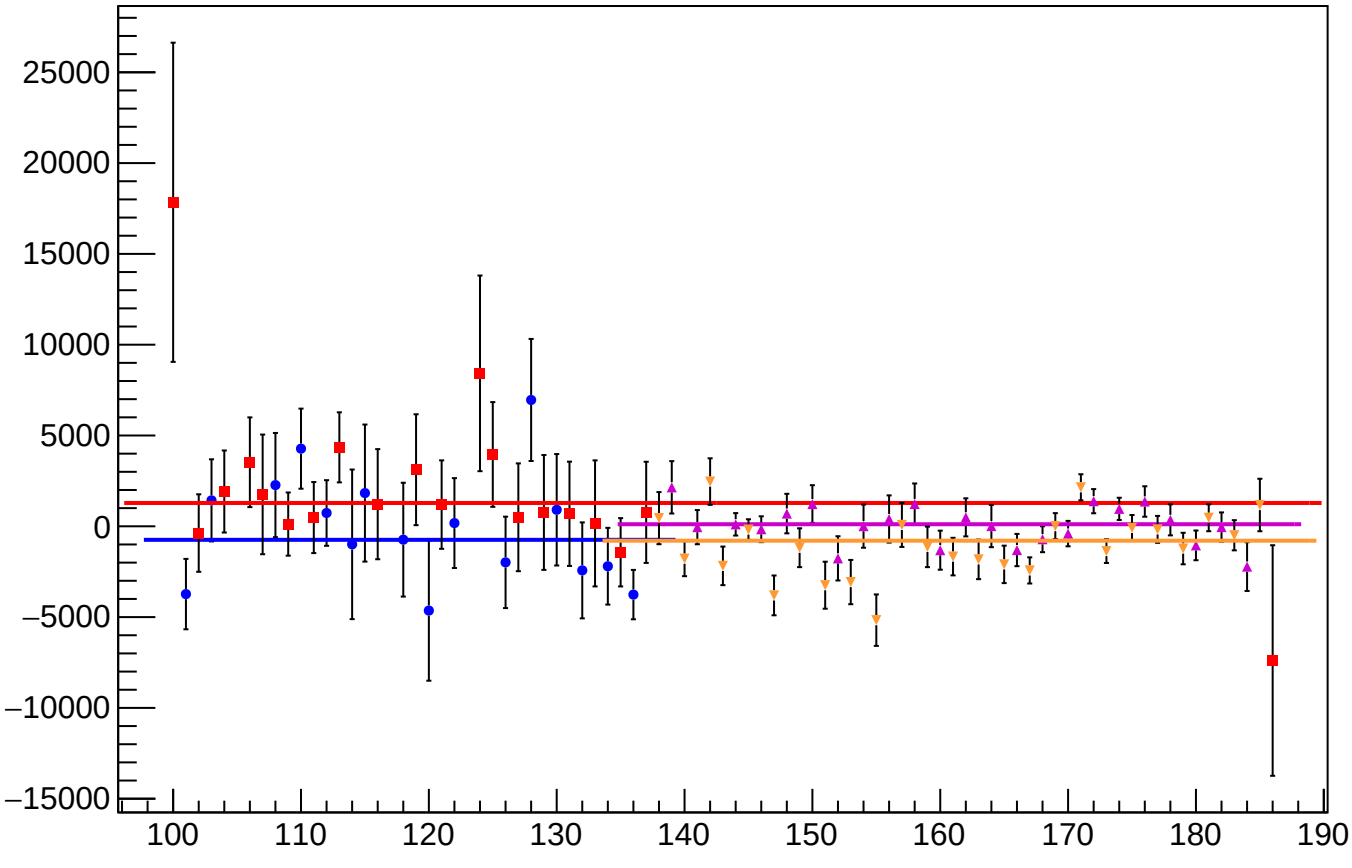
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 142.275+/-0.028 χ^2/NDF: 2548430.5/35

In: 111.075+/-0.016 χ^2/NDF:3247683.1/38

Out: 111.533+/-0.016 χ^2/NDF:4667037.7/44

All: 111.308+/-0.012 χ^2/NDF: 7915115.3/83



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1283.992+/-583.329 χ^2/NDF: 15.4/19

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

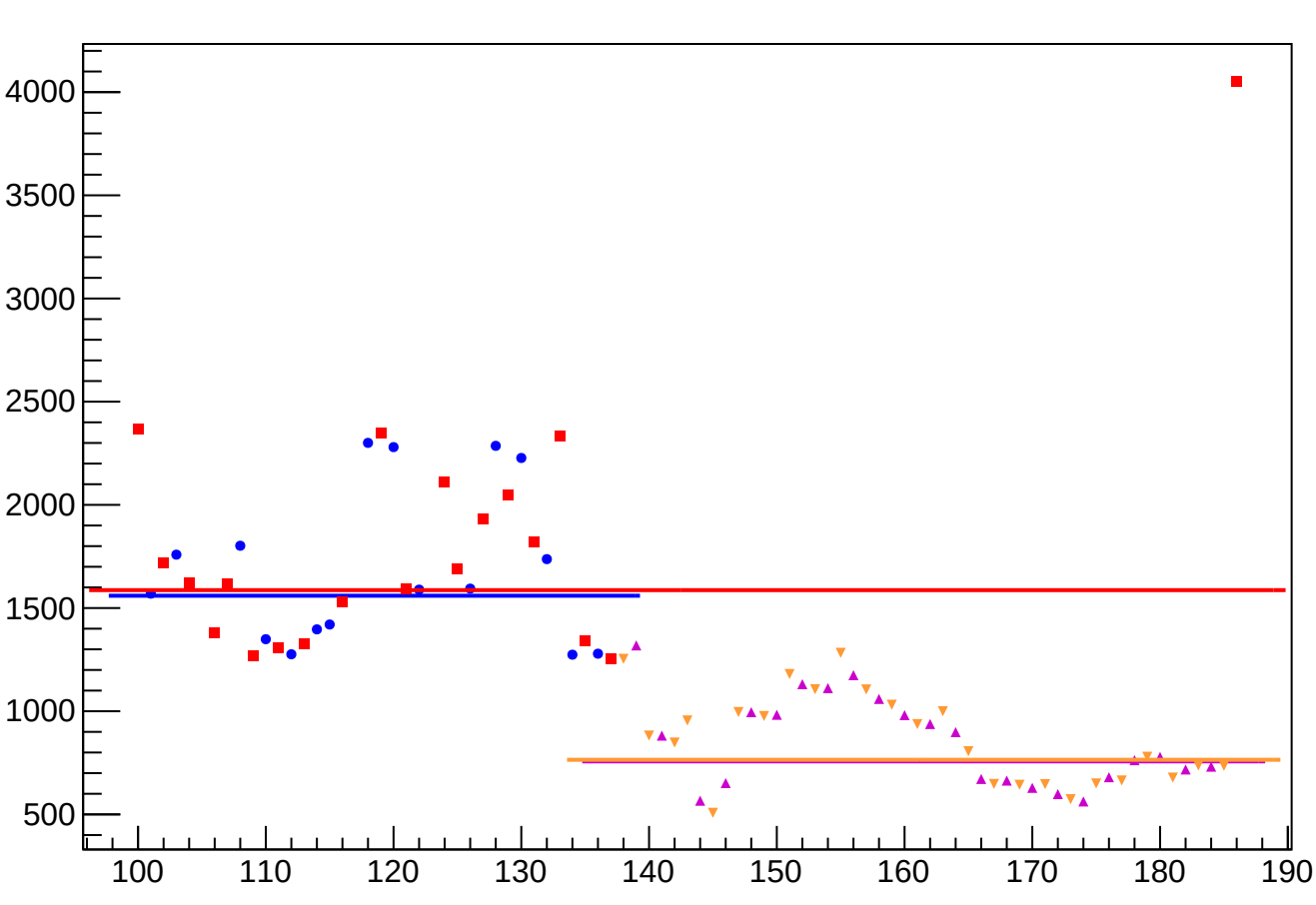
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 291.127+/-416.818 χ^2/NDF: 44.8/35

In: 39.592+/-175.044 χ^2/NDF:51.7/38

Out: -612.682+/-171.907 χ^2/NDF:97.0/44

All: -292.442+/-122.651 χ^2/NDF: 155.7/83



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

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

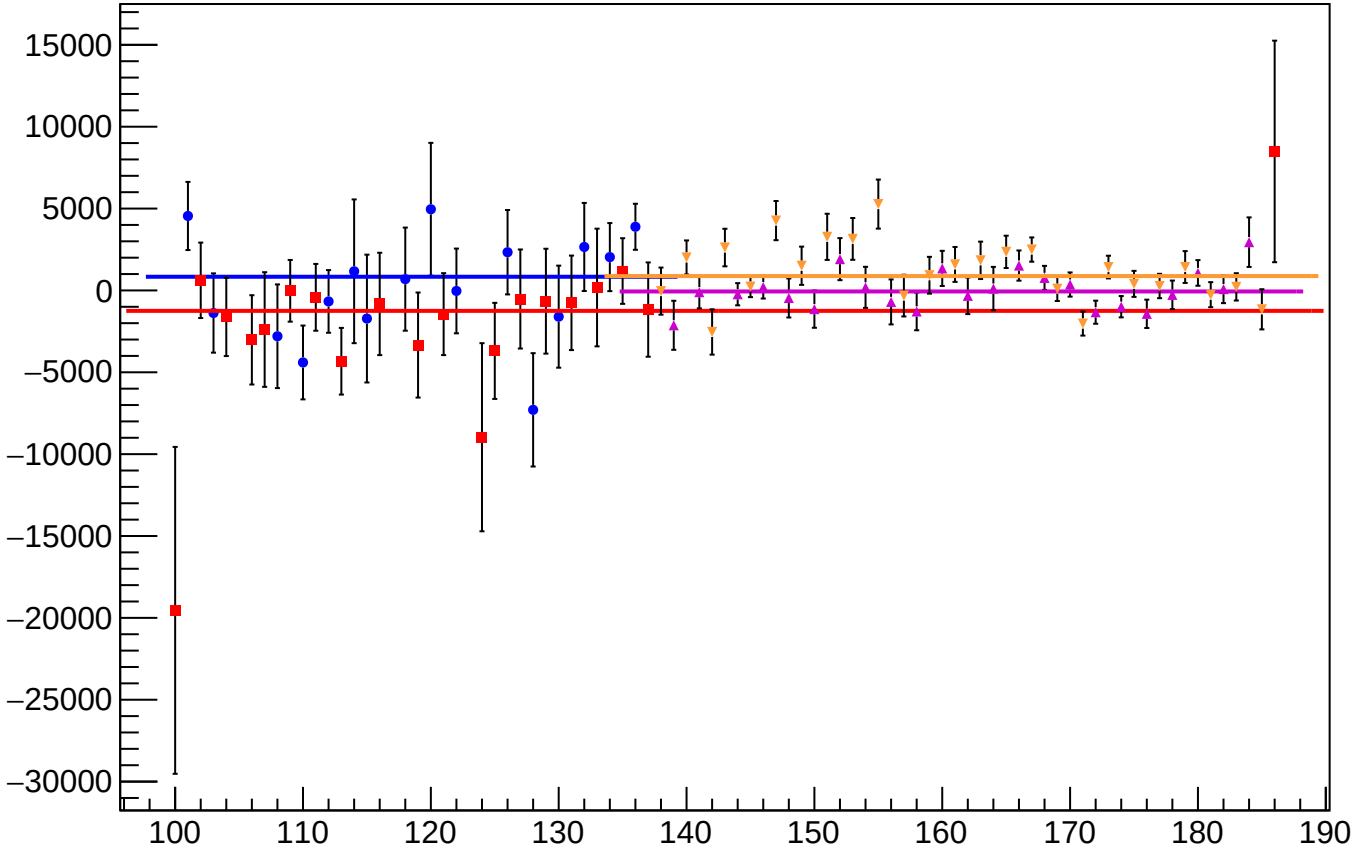
Right: 1573.552+/-0.295 χ^2/NDF: 1474248.0/35

In: 826.219+/-0.124 χ^2/NDF:6037175.4/38

Out: 836.128+/-0.122 χ^2/NDF:6920561.5/44

All: 831.263+/-0.087 χ^2/NDF: 12960999.5/83

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

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

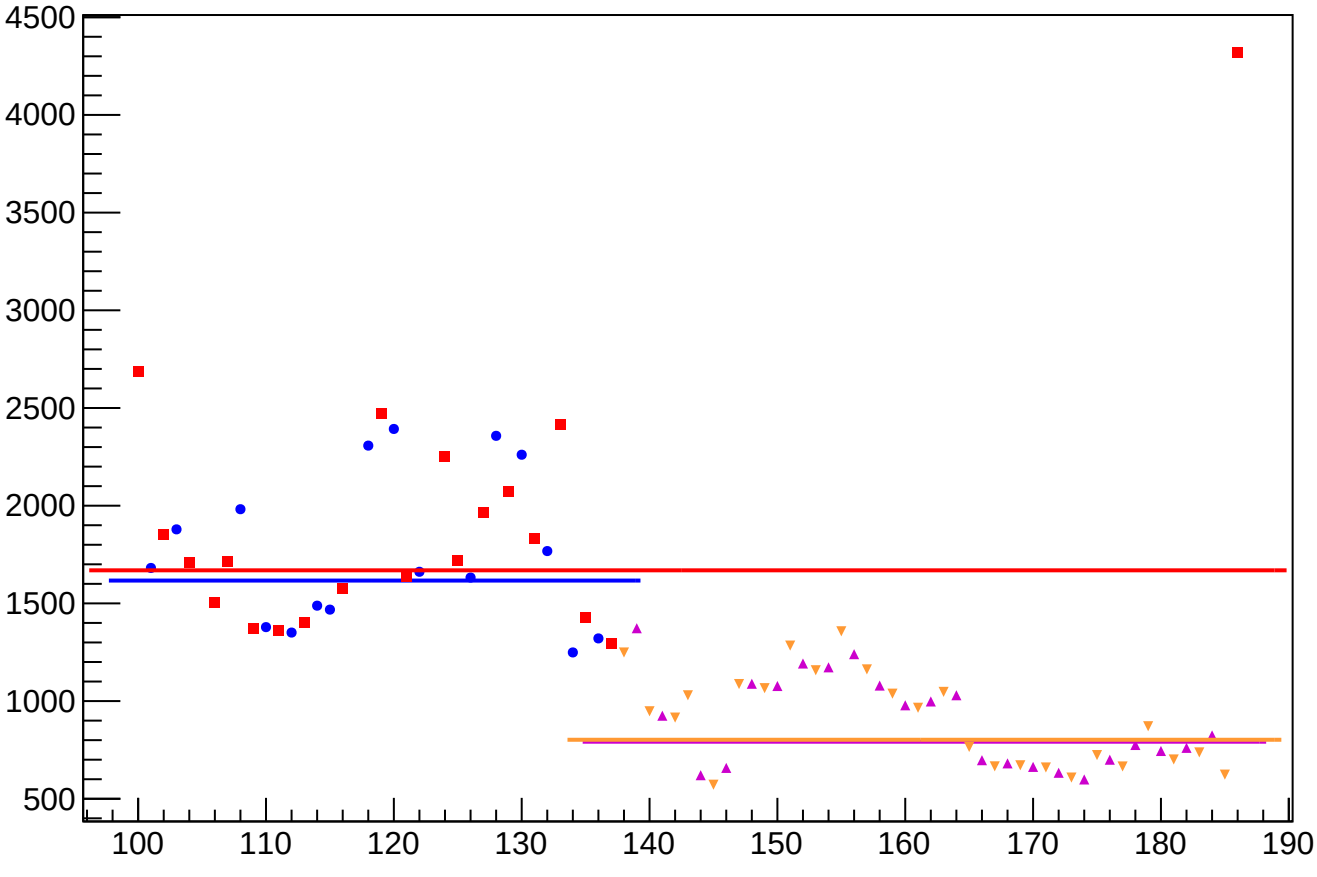
Right: -214.882+/-435.803 χ^2/NDF: 44.8/35

In: 15.831+/-183.024 χ^2/NDF:53.9/38

Out: 692.485+/-180.631 χ^2/NDF:92.4/44

All: 358.609+/-128.563 χ^2/NDF: 153.3/83

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

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

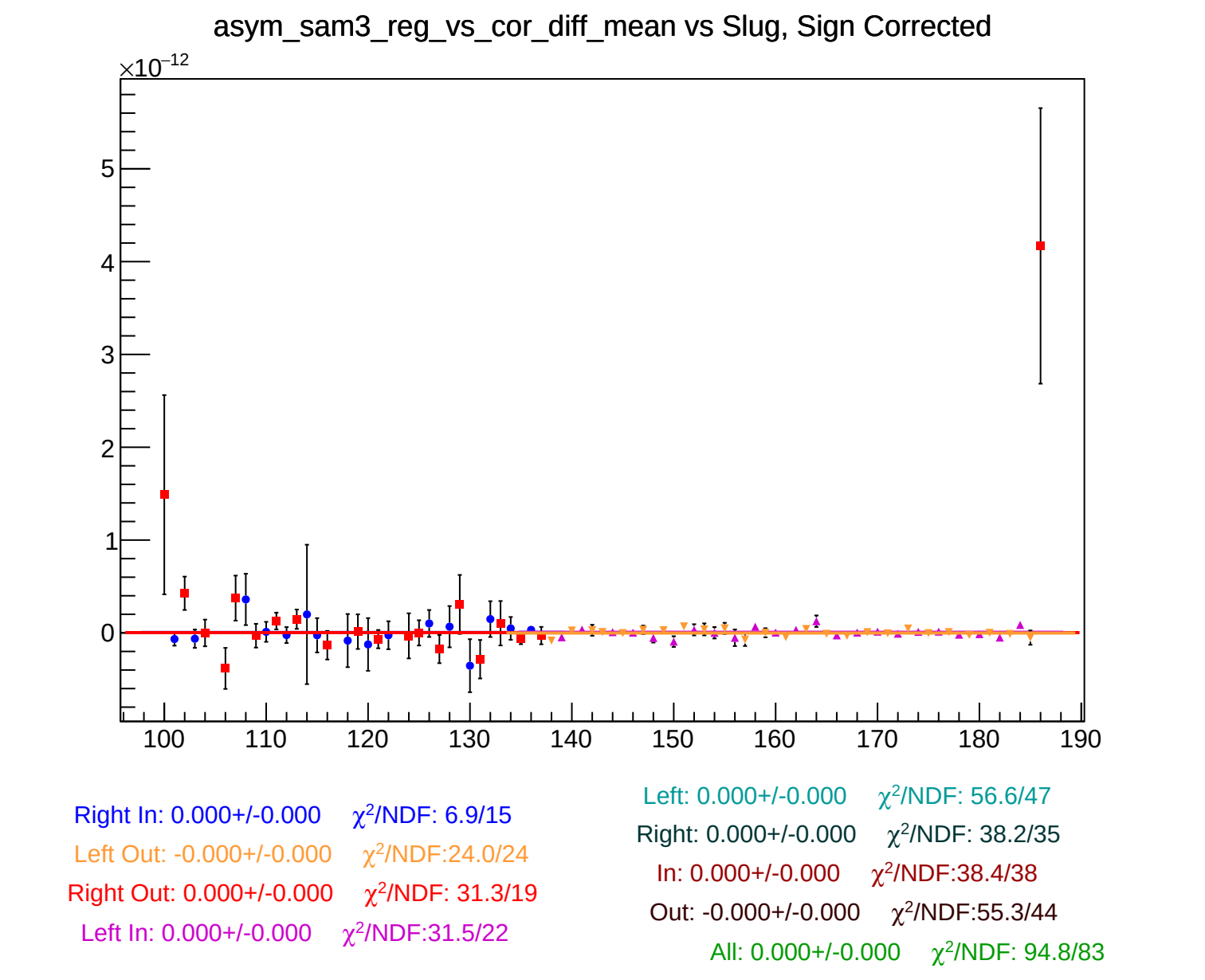
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

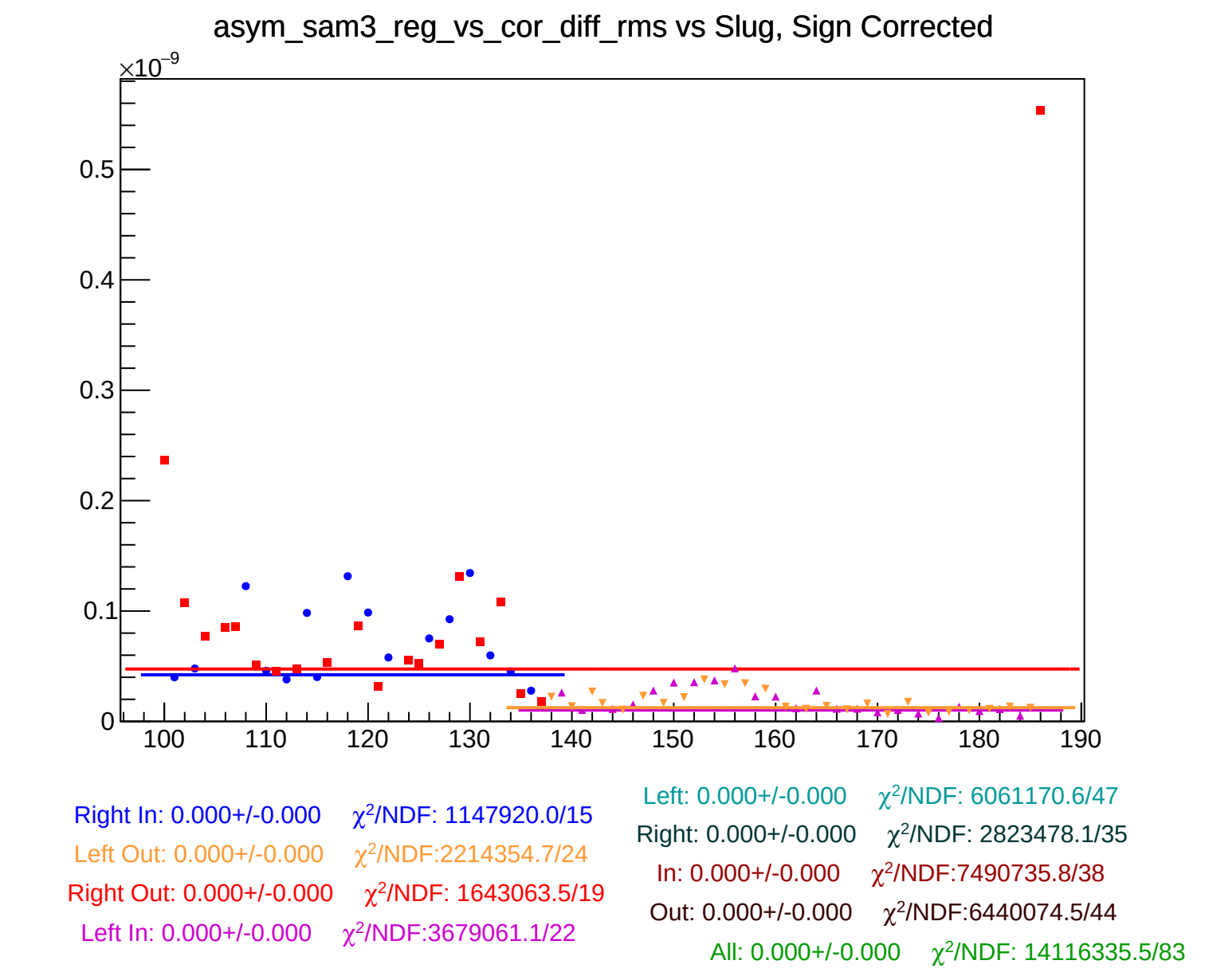
Right: 1643.221+/-0.308 χ^2/NDF: 1462658.9/35

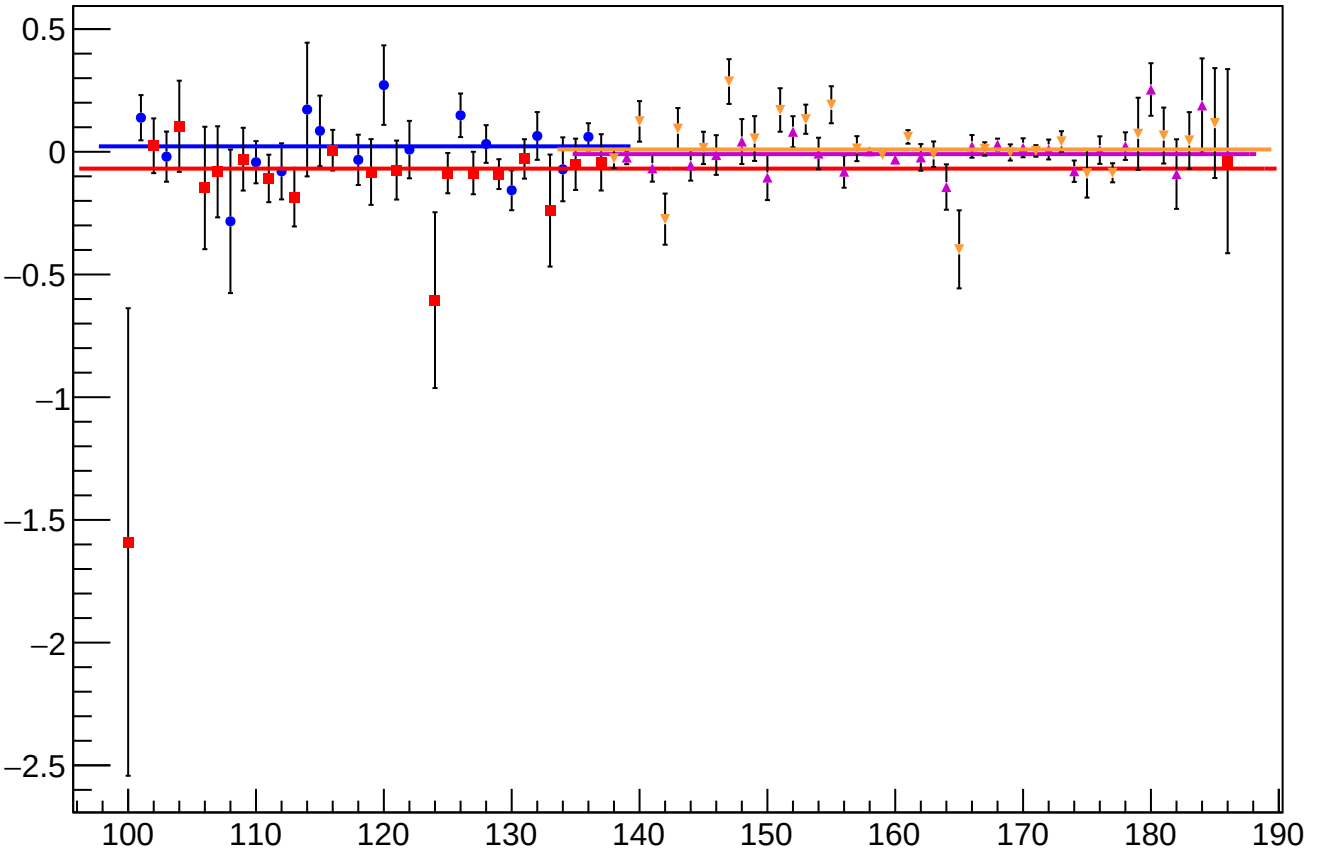
In: 864.214+/-0.129 χ^2/NDF:6000006.0/38

Out: 877.096+/-0.128 χ^2/NDF:6874811.5/44

All: 870.740+/-0.091 χ^2/NDF: 12879836.6/83


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6.9/15
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: 38.2/35
In: 0.000+/-0.000 χ²/NDF:38.4/38
Out: -0.000+/-0.000 χ²/NDF:55.3/44
All: 0.000+/-0.000 χ²/NDF: 94.8/83


asym_sam3_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: 1147920.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2214354.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 1643063.5/19
Left In: 0.000+/-0.000 χ²/NDF:3679061.1/22
Left: 0.000+/-0.000 χ²/NDF: 6061170.6/47
Right: 0.000+/-0.000 χ²/NDF: 2823478.1/35
In: 0.000+/-0.000 χ²/NDF:7490735.8/38
Out: 0.000+/-0.000 χ²/NDF:6440074.5/44
All: 0.000+/-0.000 χ²/NDF: 14116335.5/83



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

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

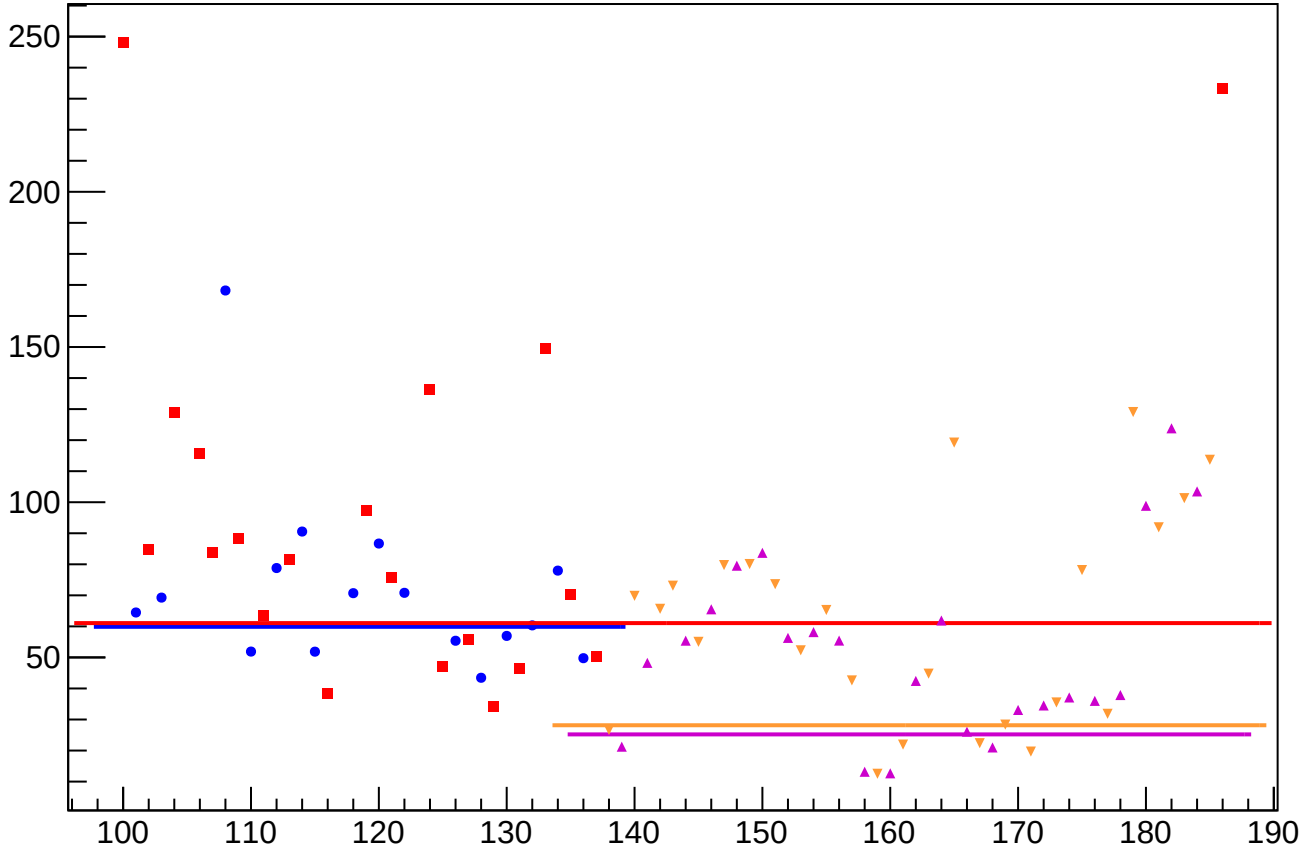
Right: -0.022+/-0.018 χ^2/NDF: 31.7/35

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.003+/-0.005 χ^2/NDF: 115.6/83

asym_sam3_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

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

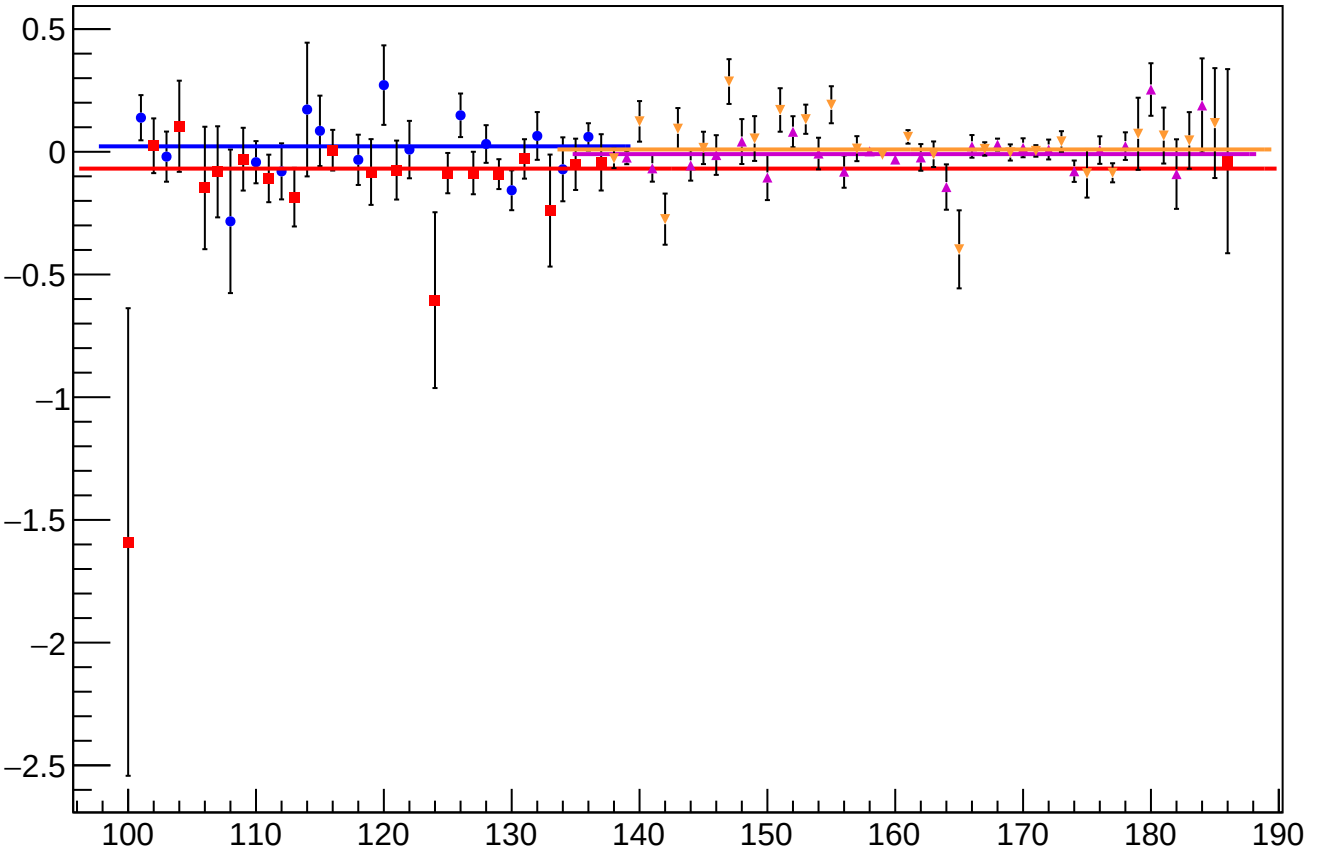
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 60.451+/-0.012 χ^2/NDF: 3102563.2/35

In: 28.446+/-0.005 χ^2/NDF:14240759.4/38

Out: 31.478+/-0.006 χ^2/NDF:16533164.6/44

All: 29.870+/-0.004 χ^2/NDF: 30925566.5/83



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

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

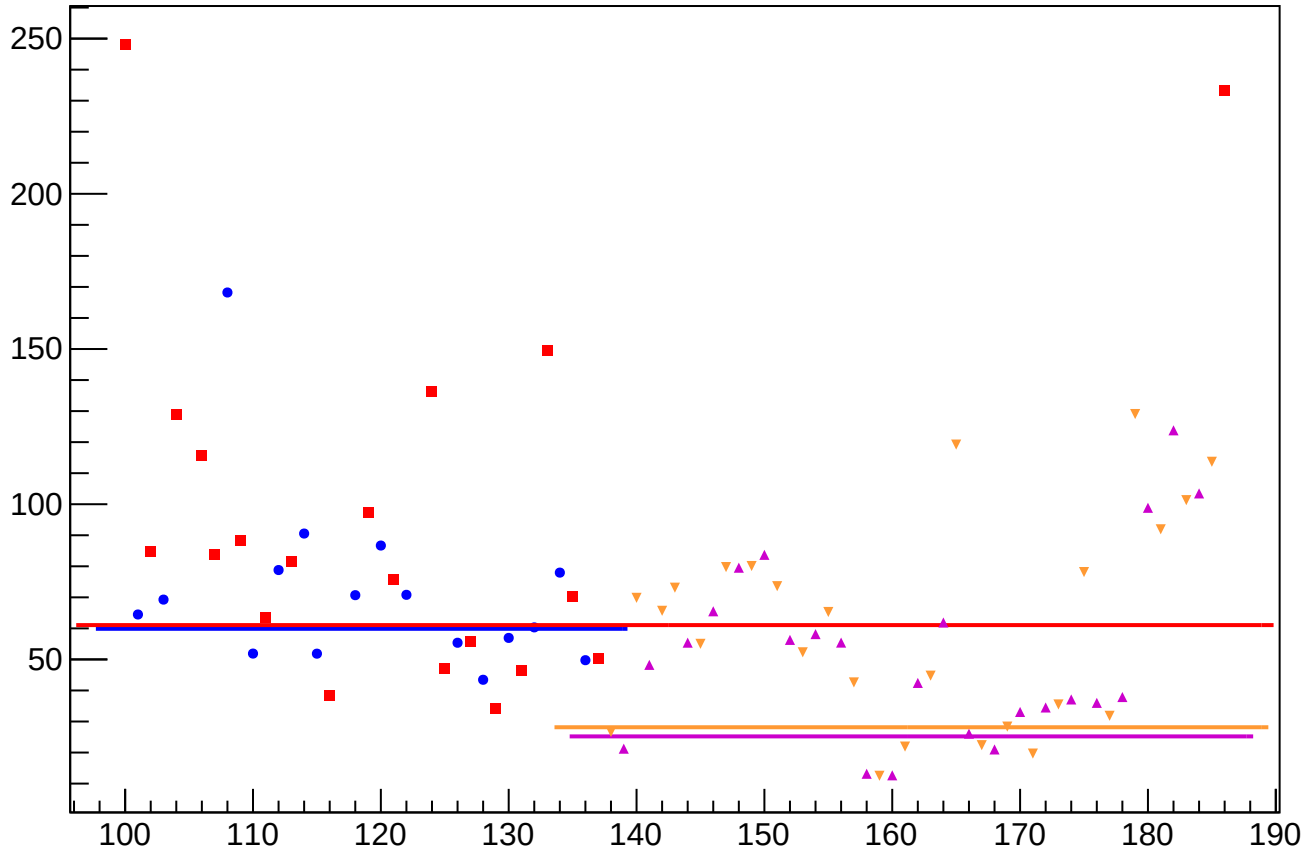
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.022+/-0.018 χ^2/NDF: 31.7/35

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.003+/-0.005 χ^2/NDF: 115.6/83



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

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

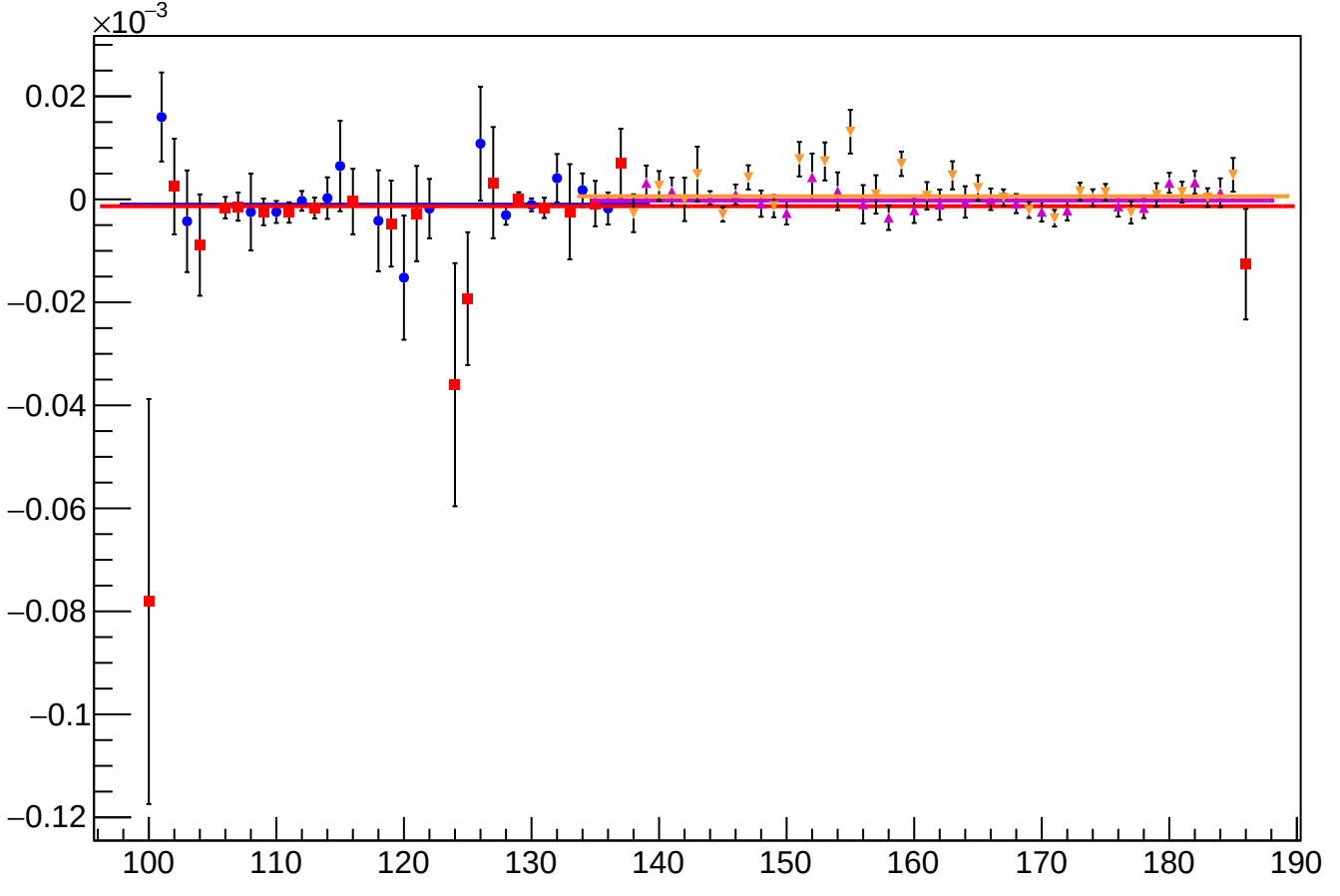
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 60.451+/-0.012 χ^2/NDF: 3102563.2/35

In: 28.446+/-0.005 χ^2/NDF:14240759.4/38

Out: 31.478+/-0.006 χ^2/NDF:16533164.6/44

All: 29.870+/-0.004 χ^2/NDF: 30925566.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

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

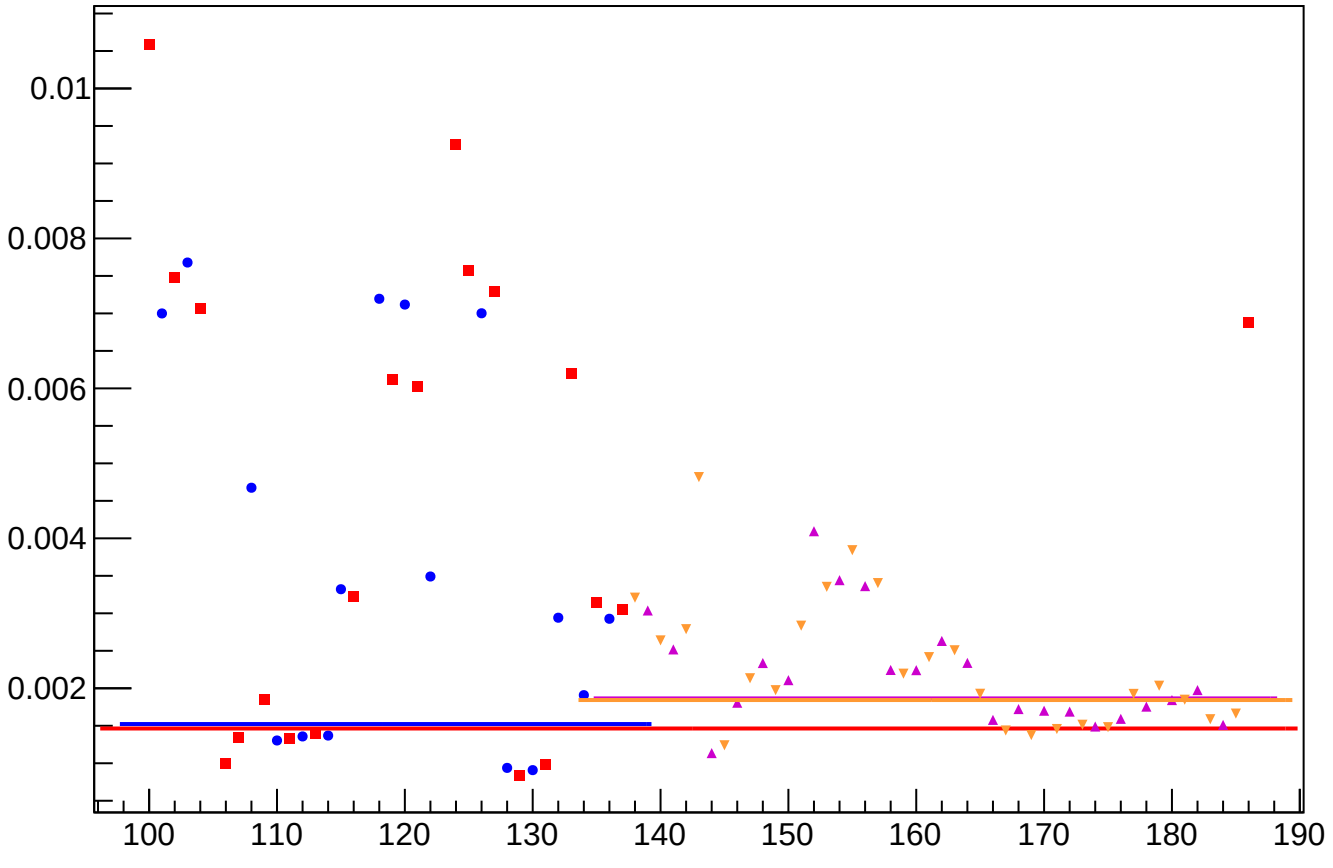
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 24.9/35

In: -0.000+/-0.000 χ^2/NDF:28.6/38

Out: 0.000+/-0.000 χ^2/NDF:71.4/44

All: -0.000+/-0.000 χ^2/NDF: 100.9/83



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6299963.4/19

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

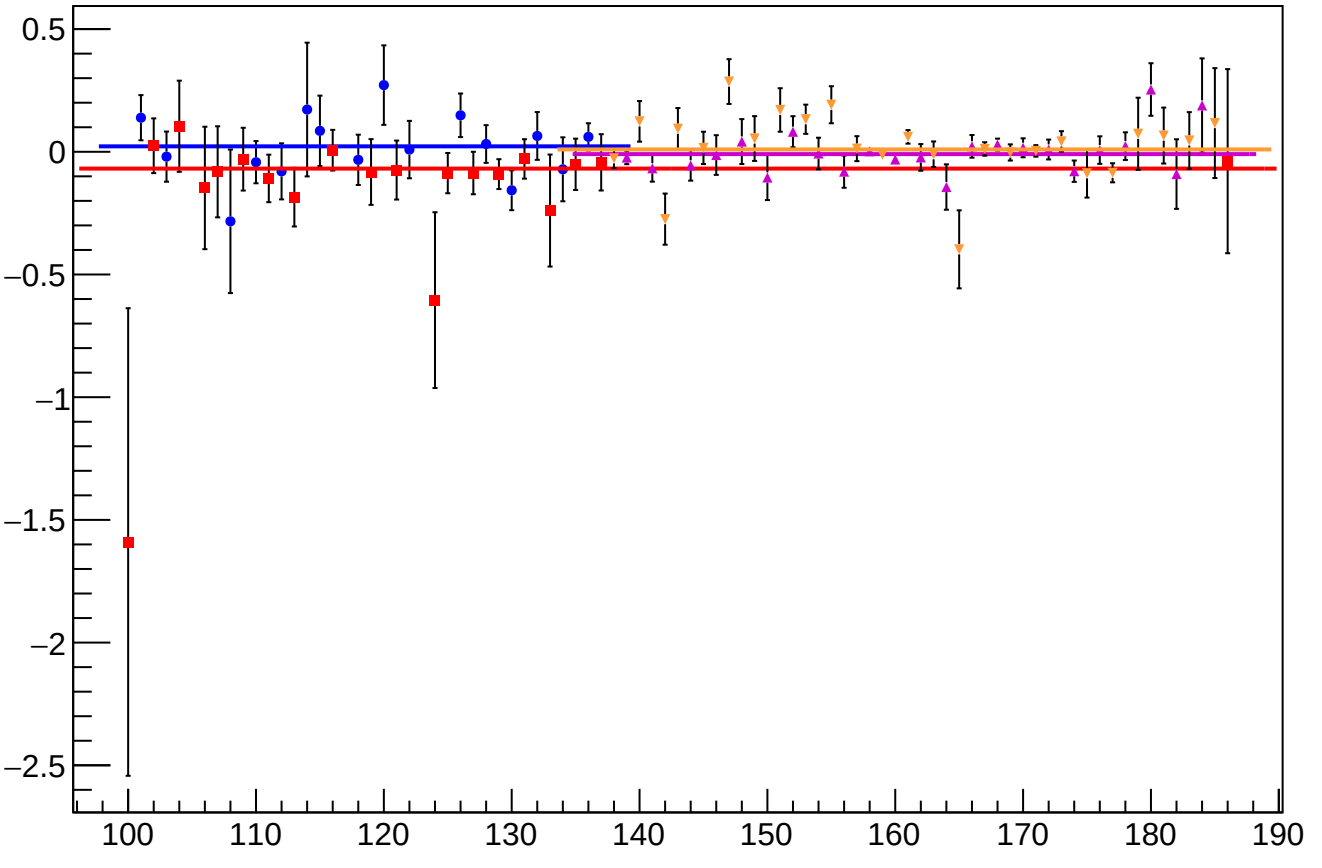
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.001+/-0.000 χ^2/NDF: 11489660.0/35

In: 0.002+/-0.000 χ^2/NDF:8286506.8/38

Out: 0.002+/-0.000 χ^2/NDF:10504708.3/44

All: 0.002+/-0.000 χ^2/NDF: 18800129.8/83



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

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

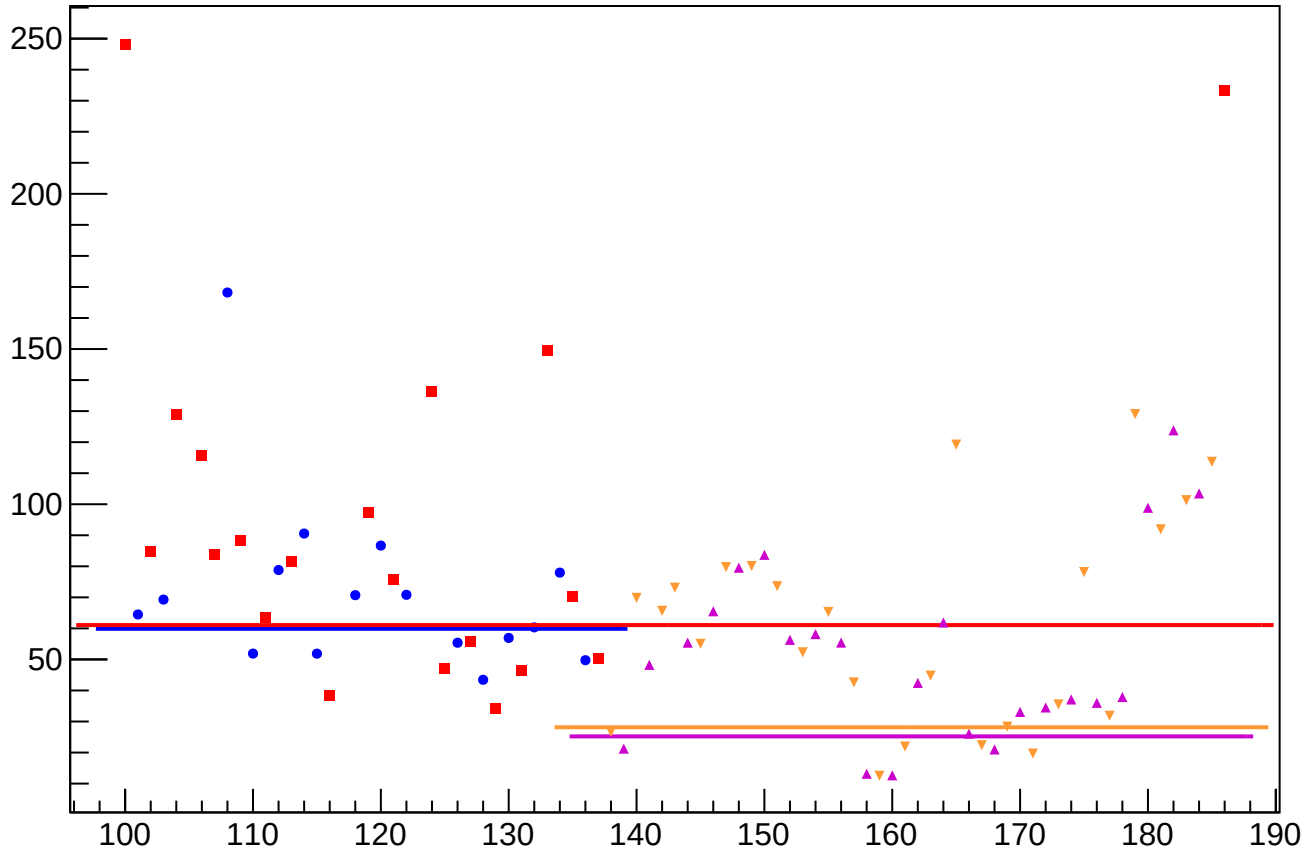
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.022+/-0.018 χ^2/NDF: 31.7/35

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.003+/-0.005 χ^2/NDF: 115.6/83



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

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

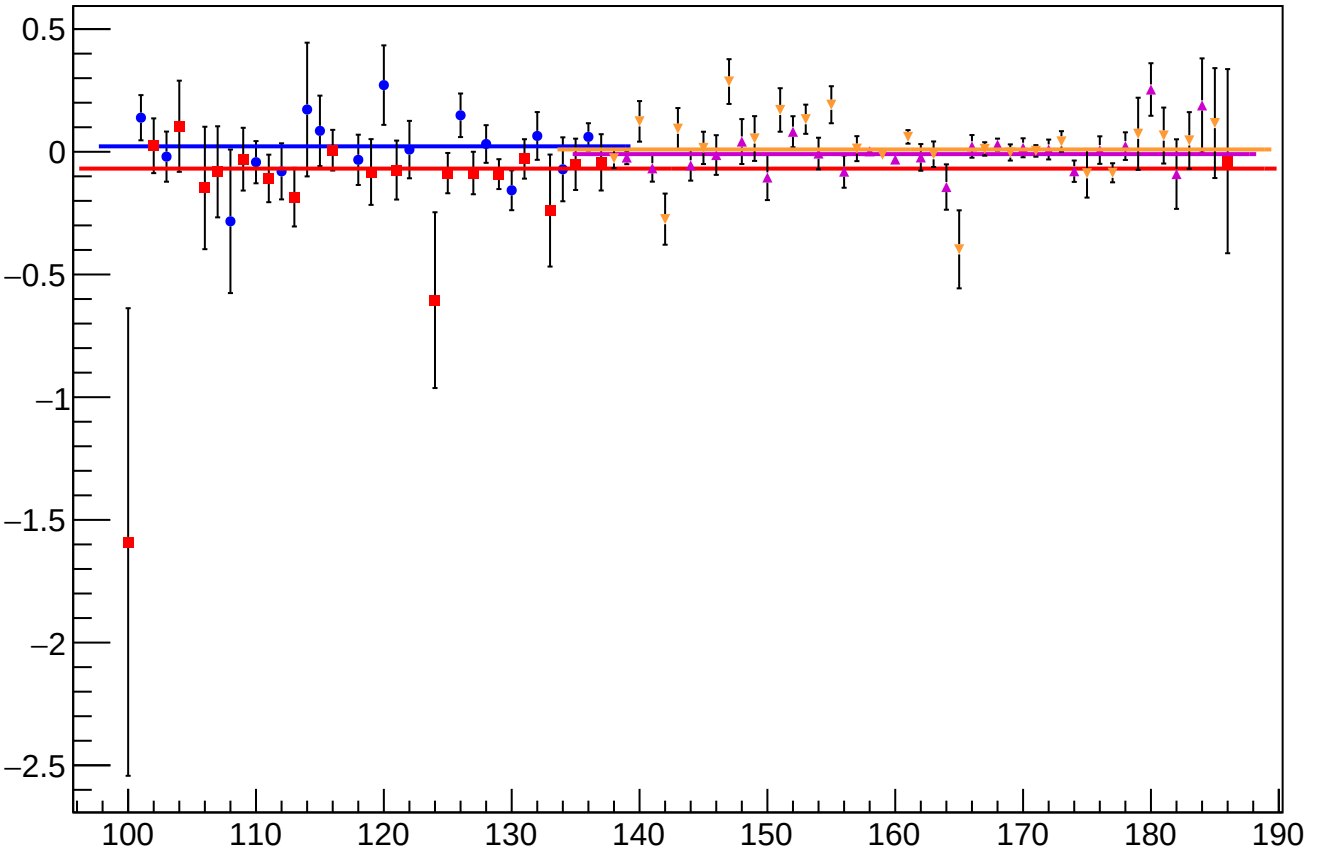
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 60.452+/-0.012 χ^2/NDF: 3102692.8/35

In: 28.446+/-0.005 χ^2/NDF:14241454.8/38

Out: 31.477+/-0.006 χ^2/NDF:16534578.3/44

All: 29.869+/-0.004 χ^2/NDF: 30927594.0/83



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

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

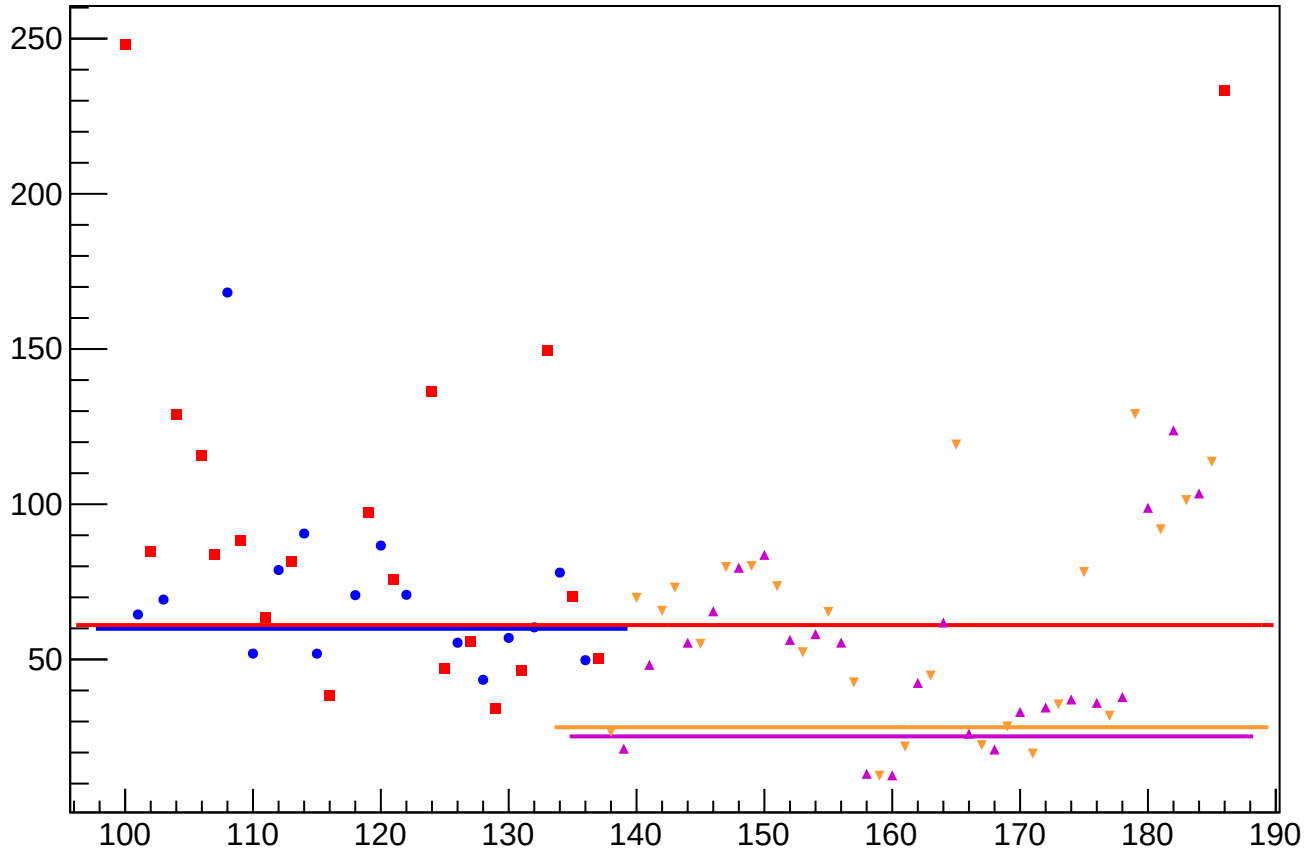
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.022+/-0.018 χ^2/NDF: 31.7/35

In: -0.007+/-0.008 χ^2/NDF:42.2/38

Out: 0.002+/-0.008 χ^2/NDF:72.9/44

All: -0.003+/-0.005 χ^2/NDF: 115.6/83



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

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

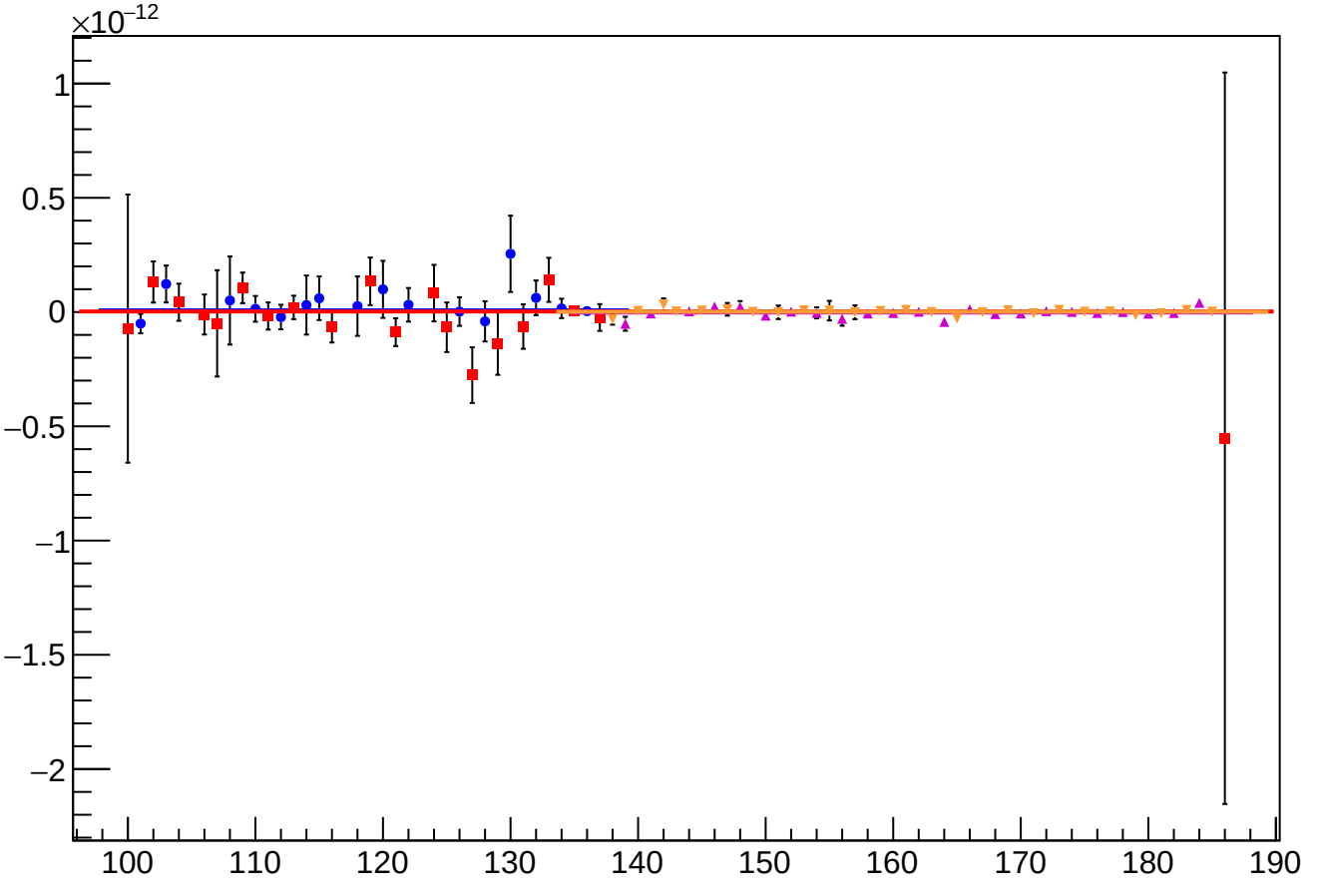
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 60.452+/-0.012 χ^2/NDF: 3102692.8/35

In: 28.446+/-0.005 χ^2/NDF:14241454.8/38

Out: 31.477+/-0.006 χ^2/NDF:16534578.3/44

All: 29.869+/-0.004 χ^2/NDF: 30927594.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

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

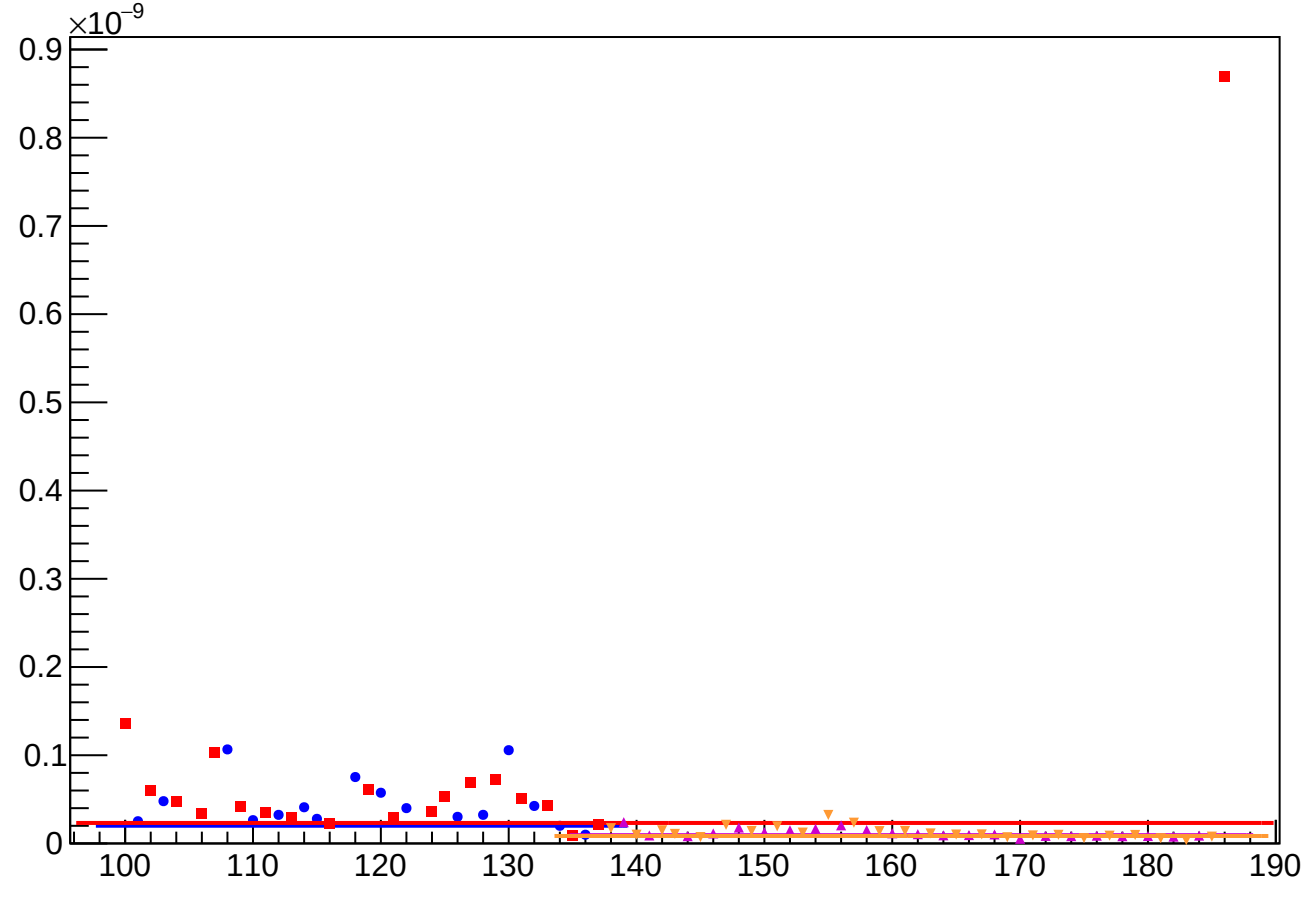
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 28.2/35

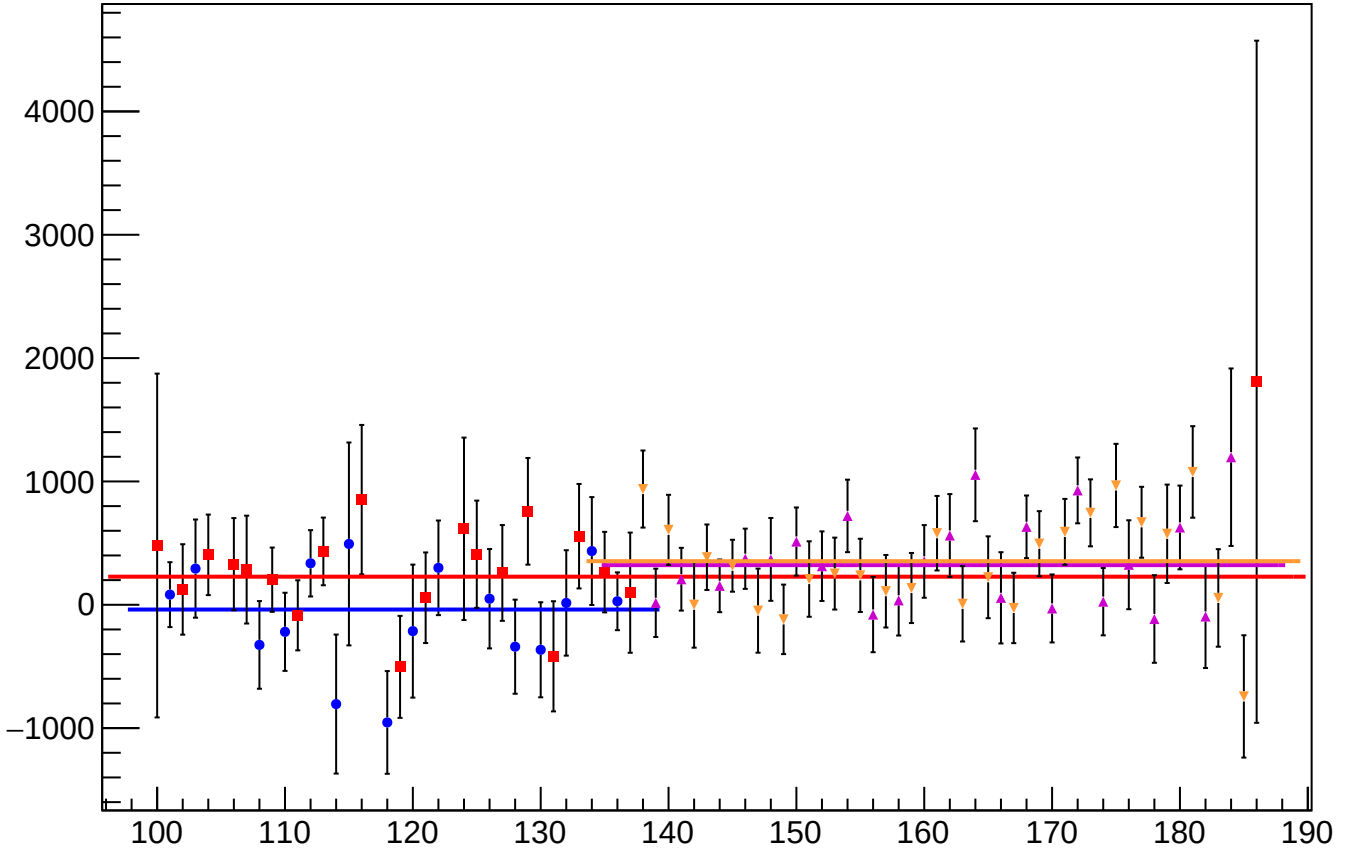
In: -0.000+/-0.000 χ^2/NDF:29.8/38

Out: 0.000+/-0.000 χ^2/NDF:31.1/44

All: 0.000+/-0.000 χ^2/NDF: 61.3/83


asym_sam3_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: 3121422.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 4089987.1/19
Left In: 0.000+/-0.000 χ²/NDF:2146041.0/22
Left: 0.000+/-0.000 χ²/NDF: 6595432.2/47
Right: 0.000+/-0.000 χ²/NDF: 7271115.3/35
In: 0.000+/-0.000 χ²/NDF:6736514.8/38
Out: 0.000+/-0.000 χ²/NDF:10727852.6/44
All: 0.000+/-0.000 χ²/NDF: 17578973.3/83

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

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

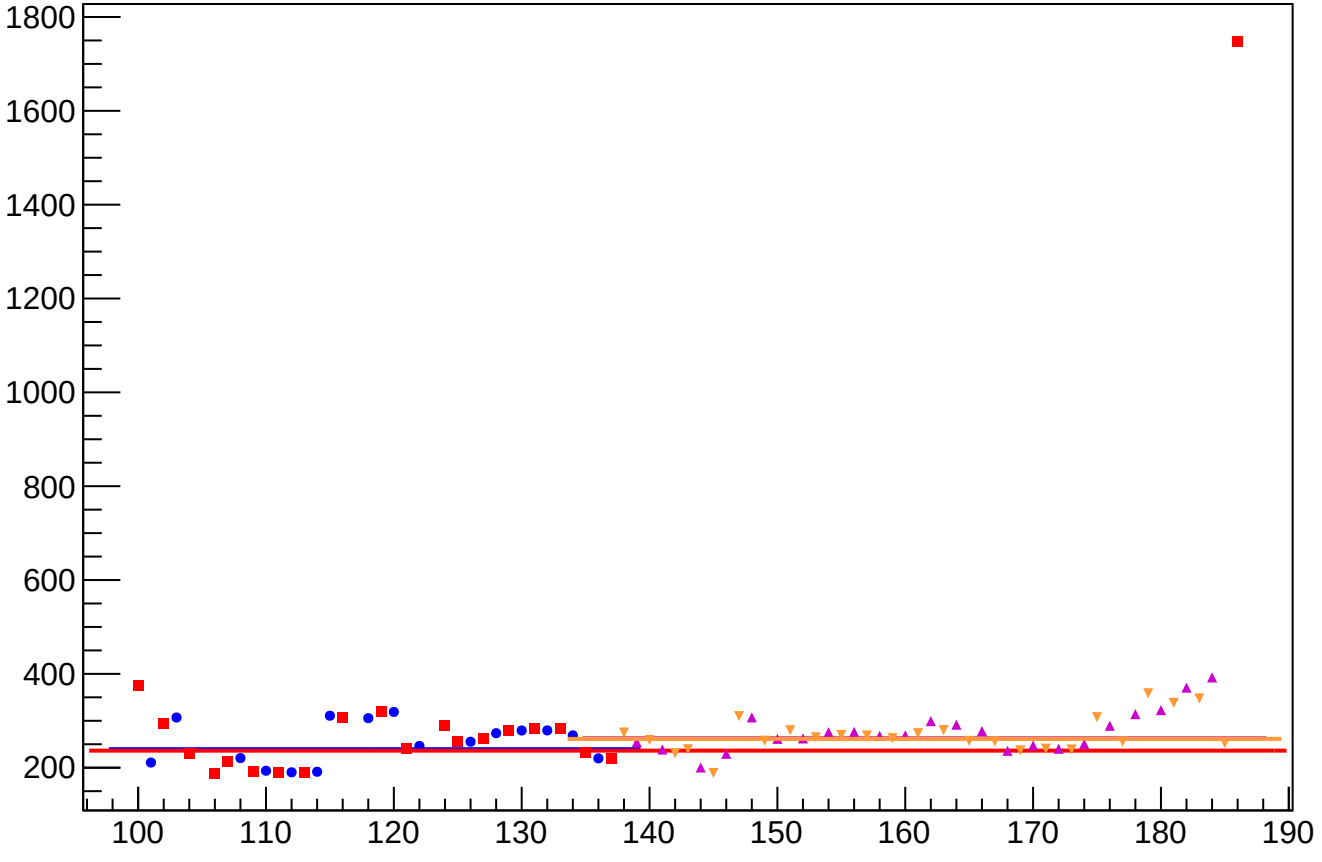
Right: 98.742+/-63.080 χ^2/NDF: 30.7/35

In: 206.435+/-51.233 χ^2/NDF:51.4/38

Out: 313.458+/-49.633 χ^2/NDF:45.5/44

All: 261.644+/-35.648 χ^2/NDF: 99.2/83

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

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

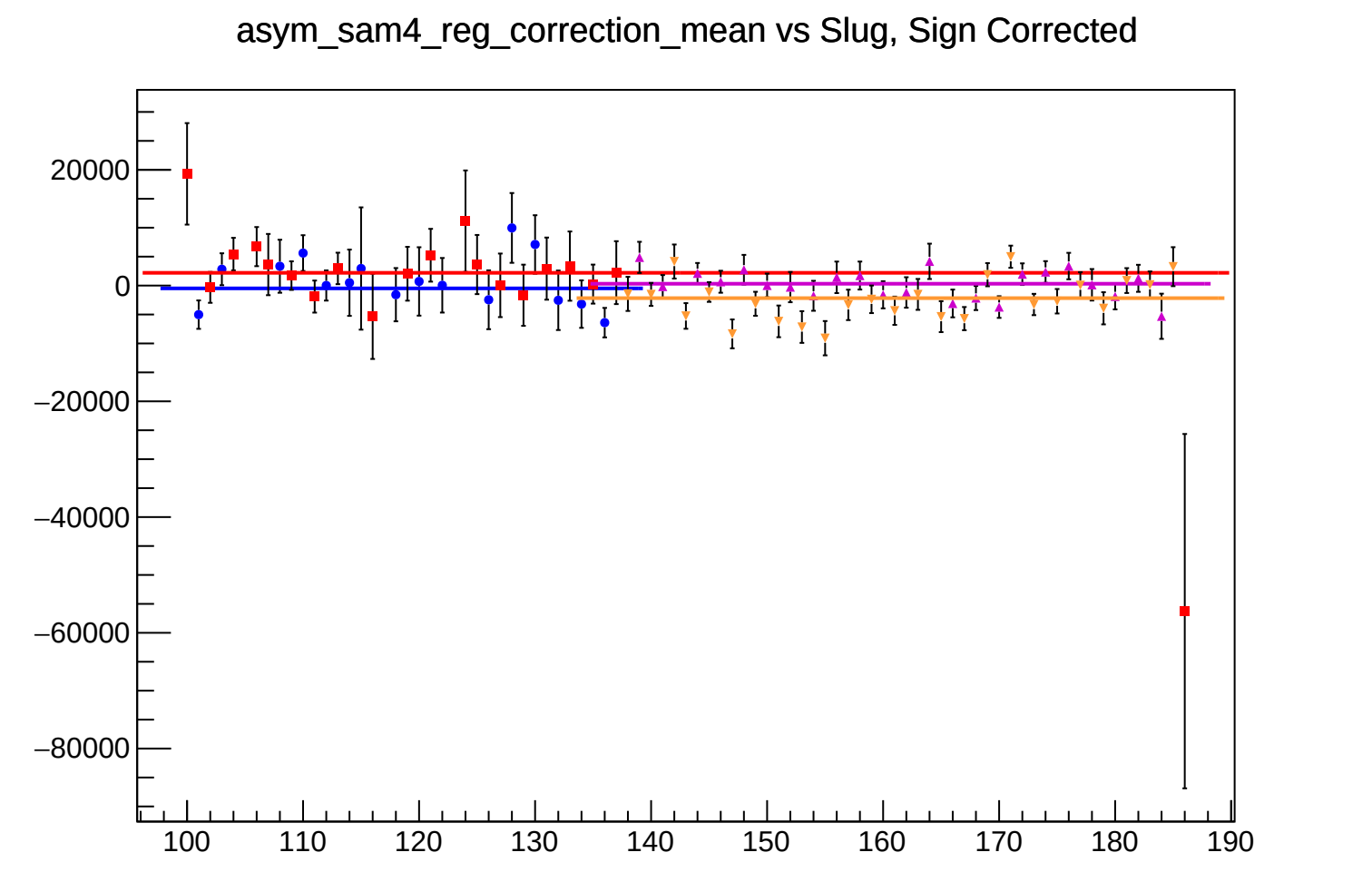
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 237.868+/-0.045 χ^2/NDF: 1481687.0/35

In: 255.211+/-0.036 χ^2/NDF:1160537.8/38

Out: 253.464+/-0.035 χ^2/NDF:1906046.3/44

All: 254.310+/-0.025 χ^2/NDF: 3067783.3/83



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2202.025+/-893.790 χ^2/NDF: 17.5/19

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

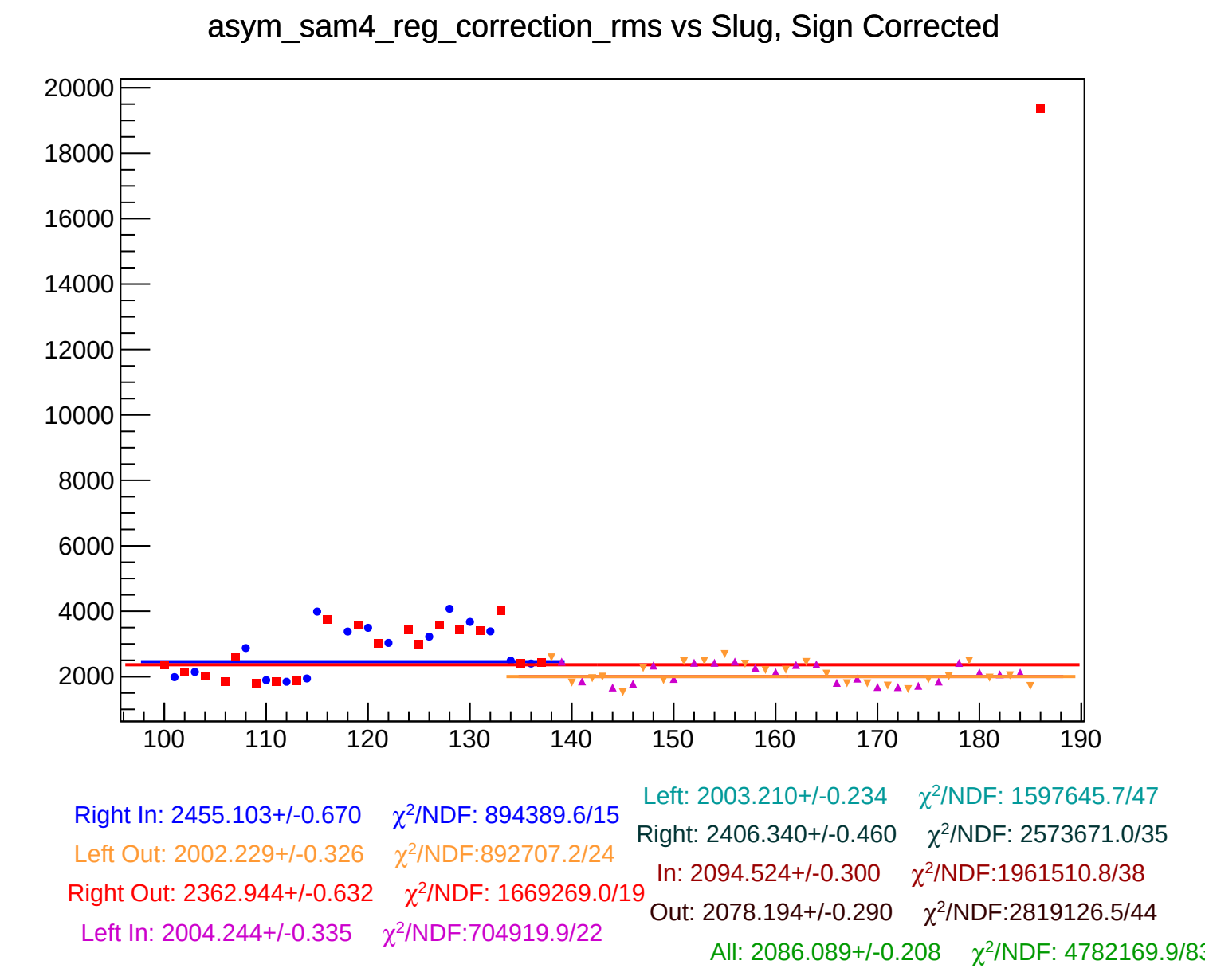
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 936.329+/-650.151 χ^2/NDF: 42.9/35

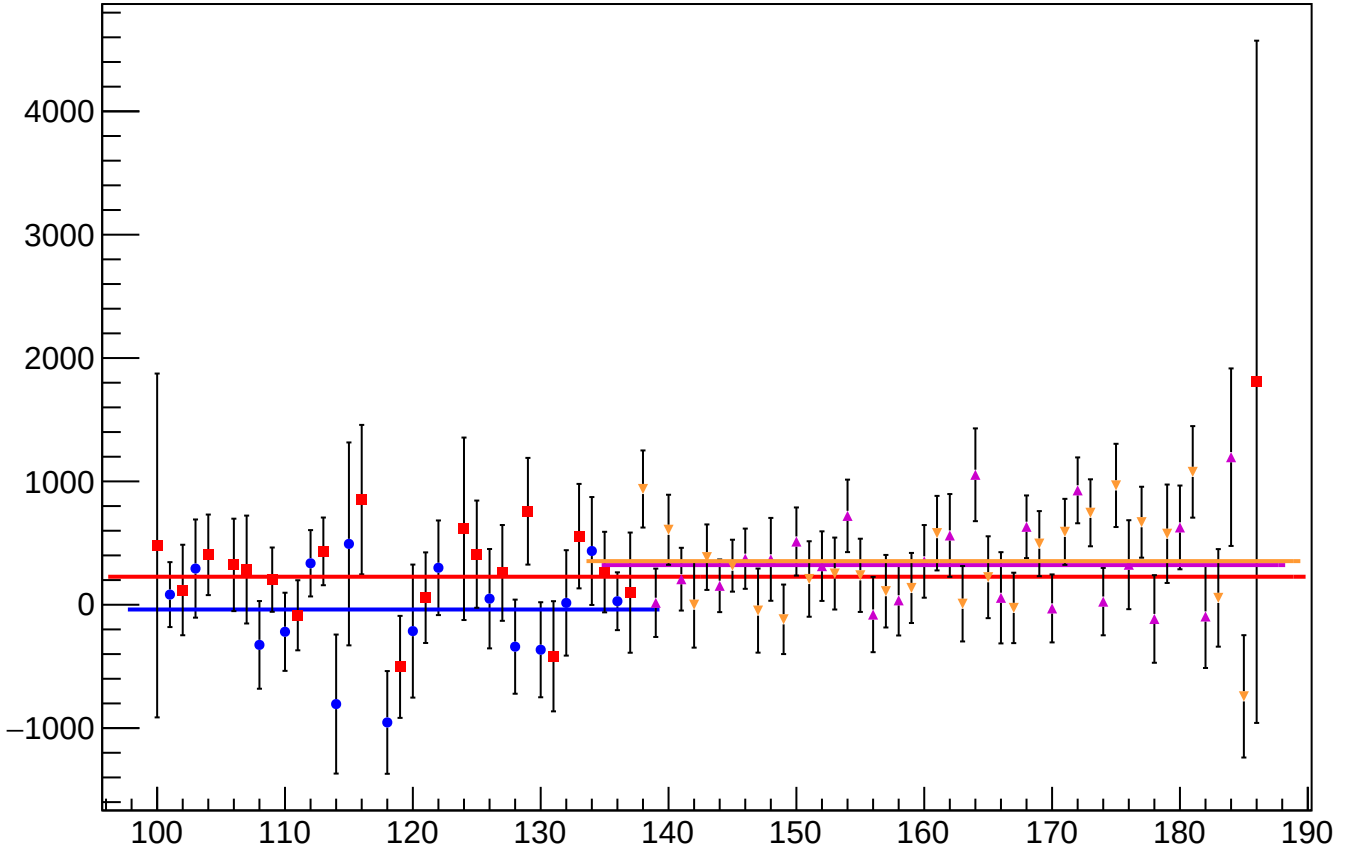
In: 153.612+/-423.971 χ^2/NDF:45.4/38

Out: -1250.719+/-410.167 χ^2/NDF:91.9/44

All: -571.787+/-294.792 χ^2/NDF: 143.0/83


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2455.103+/-0.670 χ²/NDF: 894389.6/15
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 2362.944+/-0.632 χ²/NDF: 1669269.0/19
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 2406.340+/-0.460 χ²/NDF: 2573671.0/35
In: 2094.524+/-0.300 χ²/NDF:1961510.8/38
Out: 2078.194+/-0.290 χ²/NDF:2819126.5/44
All: 2086.089+/-0.208 χ²/NDF: 4782169.9/83

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

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

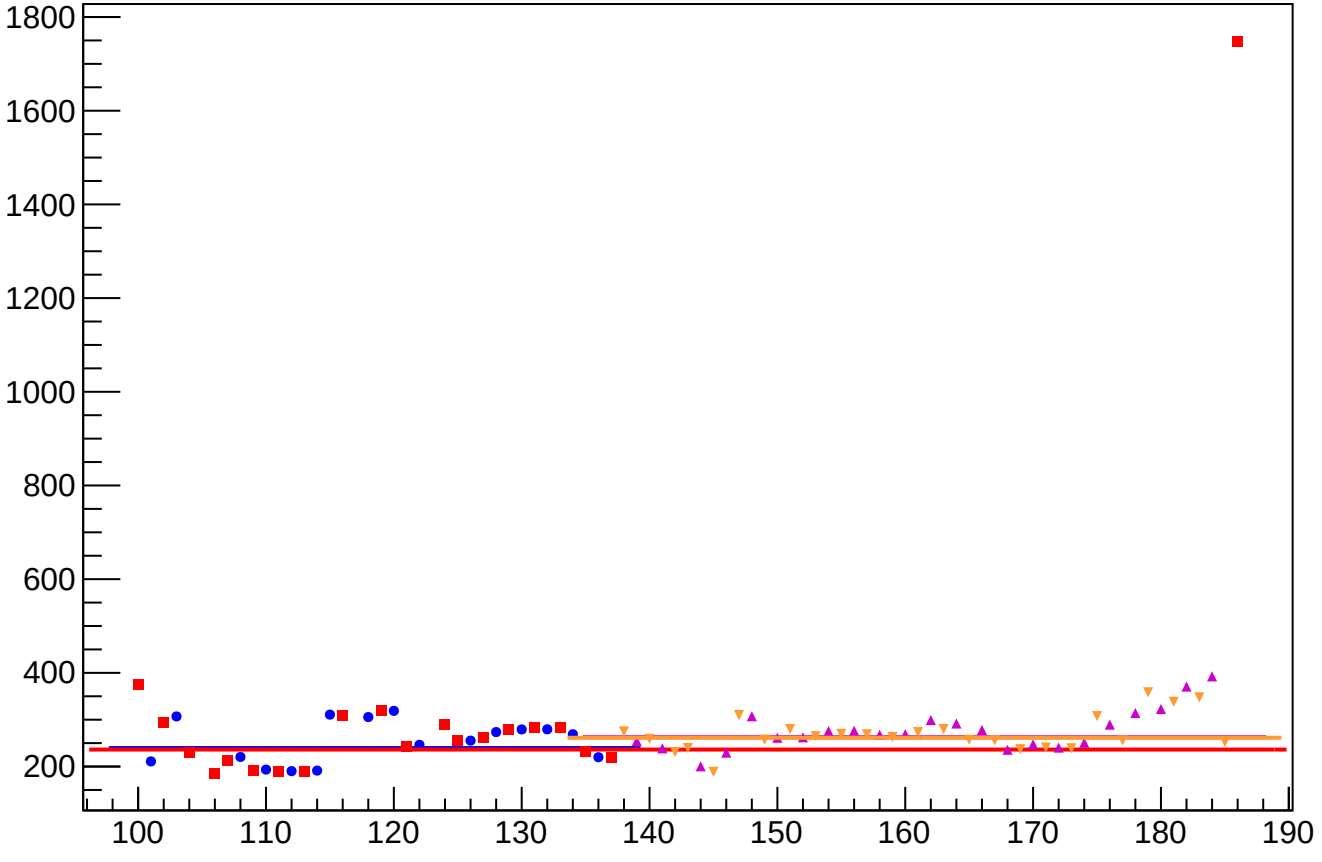
Right: 98.375+/-63.086 χ^2/NDF: 30.6/35

In: 206.432+/-51.233 χ^2/NDF:51.4/38

Out: 313.274+/-49.635 χ^2/NDF:45.5/44

All: 261.545+/-35.649 χ^2/NDF: 99.2/83

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

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

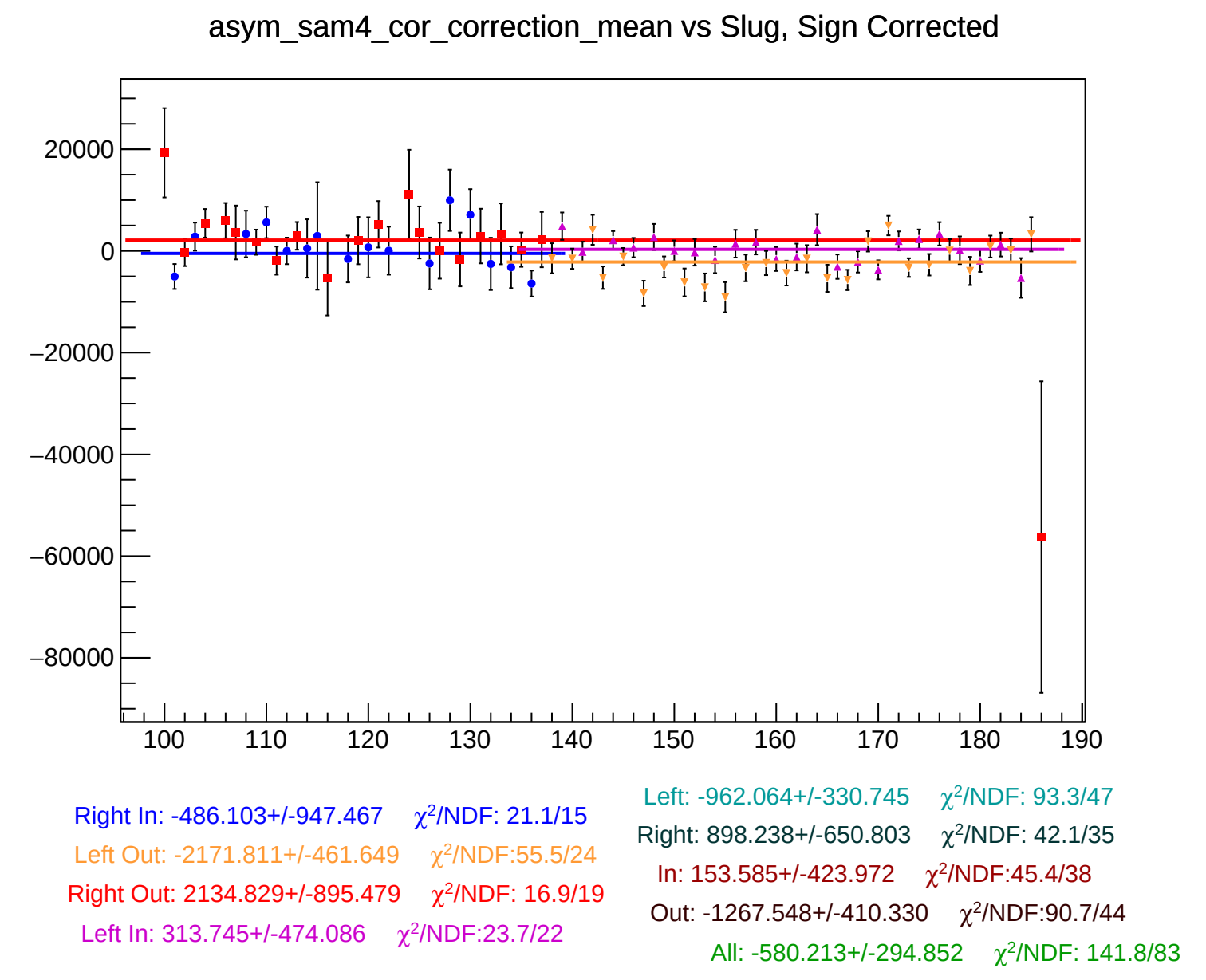
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 237.806+/-0.045 χ^2/NDF: 1485403.4/35

In: 255.211+/-0.036 χ^2/NDF:1160539.8/38

Out: 253.427+/-0.035 χ^2/NDF:1910716.3/44

All: 254.291+/-0.025 χ^2/NDF: 3072506.6/83


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
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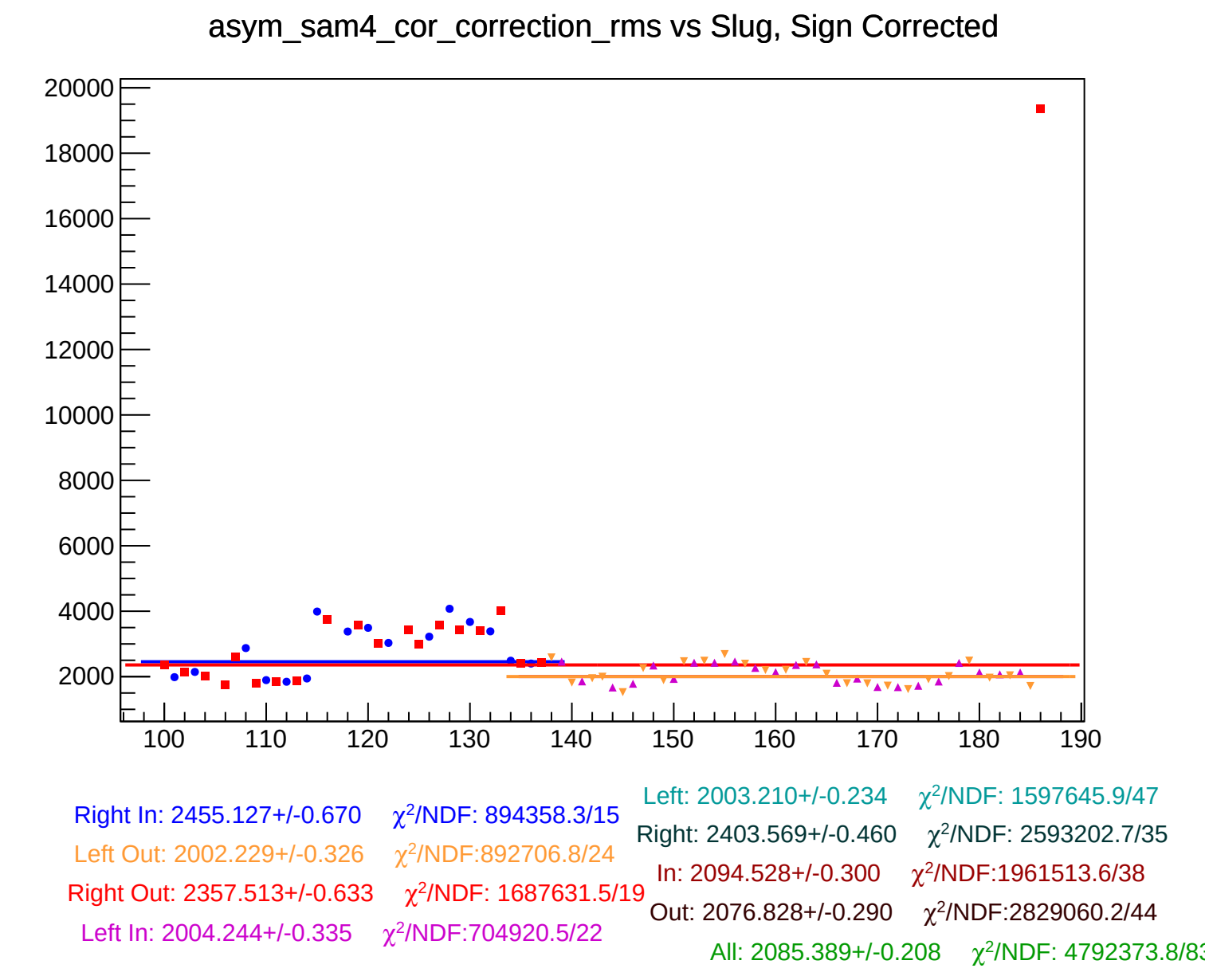
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 2134.829+/-895.479 χ²/NDF: 16.9/19
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 898.238+/-650.803 χ²/NDF: 42.1/35
In: 153.585+/-423.972 χ²/NDF:45.4/38
Out: -1267.548+/-410.330 χ²/NDF:90.7/44
All: -580.213+/-294.852 χ²/NDF: 141.8/83


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
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2000
100
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120
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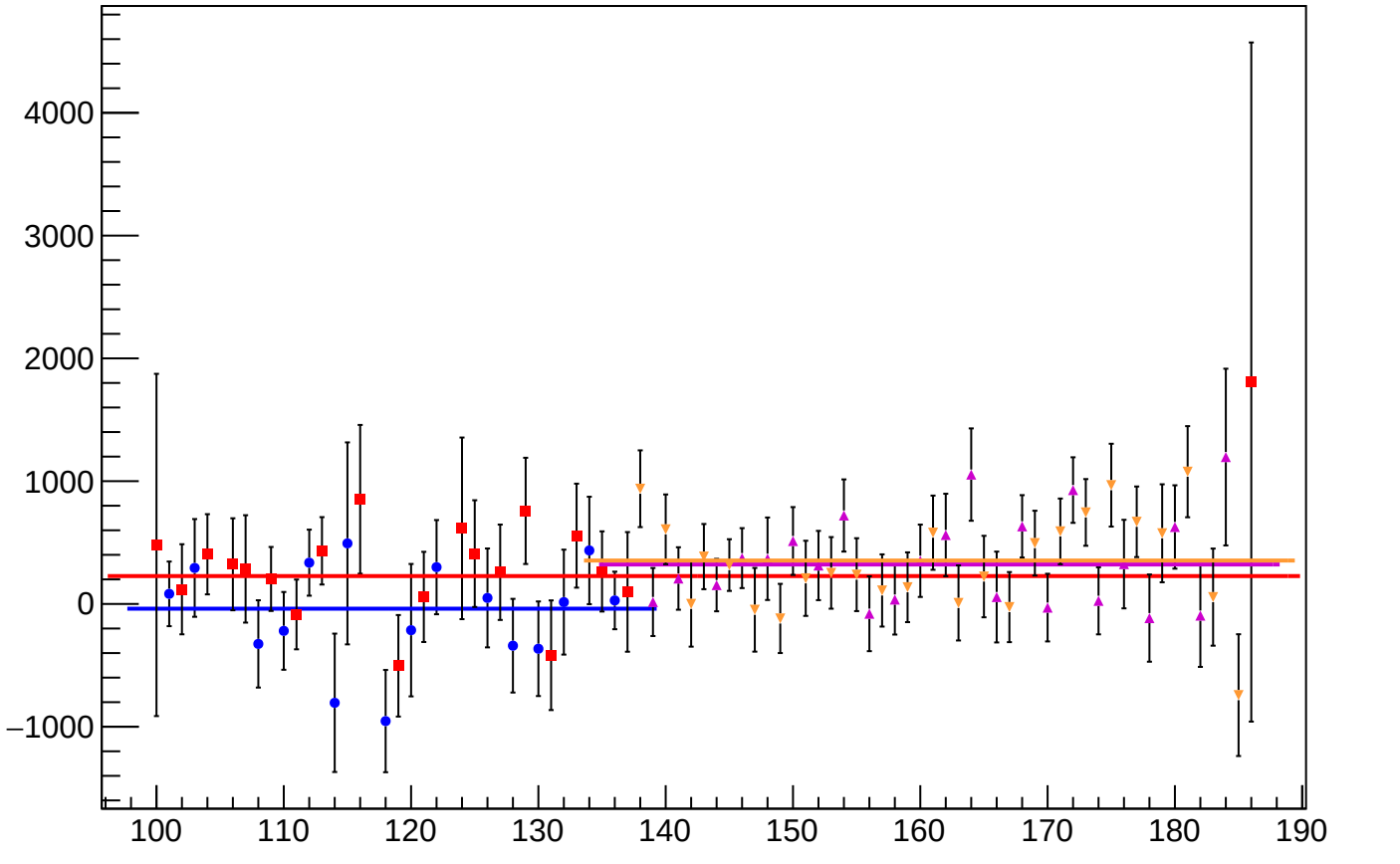
150
160
170
180
190
Right In: 2455.127+/-0.670 χ²/NDF: 894358.3/15
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2357.513+/-0.633 χ²/NDF: 1687631.5/19
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2403.569+/-0.460 χ²/NDF: 2593202.7/35
In: 2094.528+/-0.300 χ²/NDF:1961513.6/38
Out: 2076.828+/-0.290 χ²/NDF:2829060.2/44
All: 2085.389+/-0.208 χ²/NDF: 4792373.8/83


eigen_cor_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
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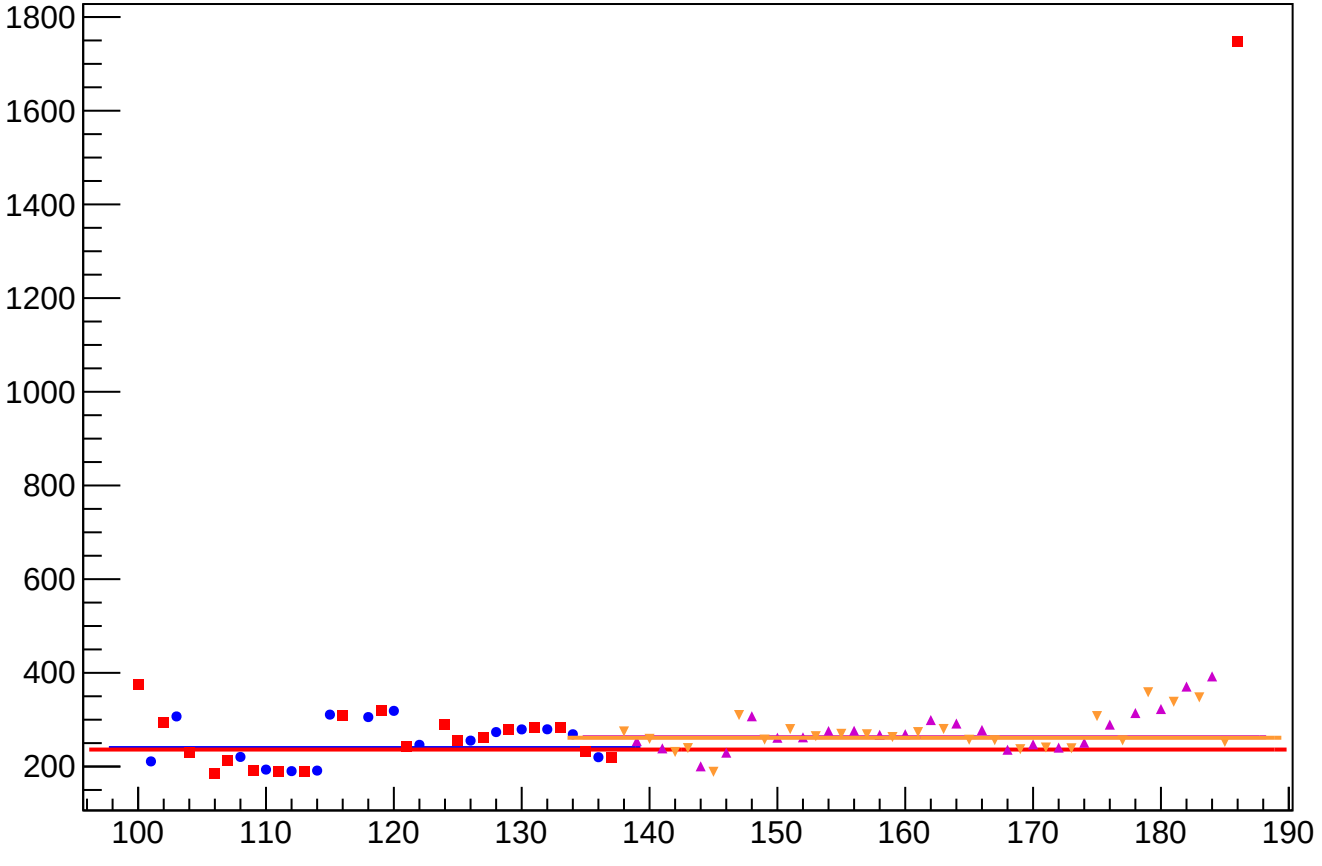
170
180
190
Right In: -38.519+/-90.619 χ²/NDF: 14.5/15
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: 227.112+/-87.877 χ²/NDF: 11.7/19
Left In: 321.514+/-62.113 χ²/NDF:26.2/22
Left: 338.093+/-43.209 χ²/NDF: 58.7/47
Right: 98.375+/-63.086 χ²/NDF: 30.6/35
In: 206.432+/-51.233 χ²/NDF:51.4/38
Out: 313.274+/-49.635 χ²/NDF:45.5/44
All: 261.545+/-35.649 χ²/NDF: 99.2/83

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

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

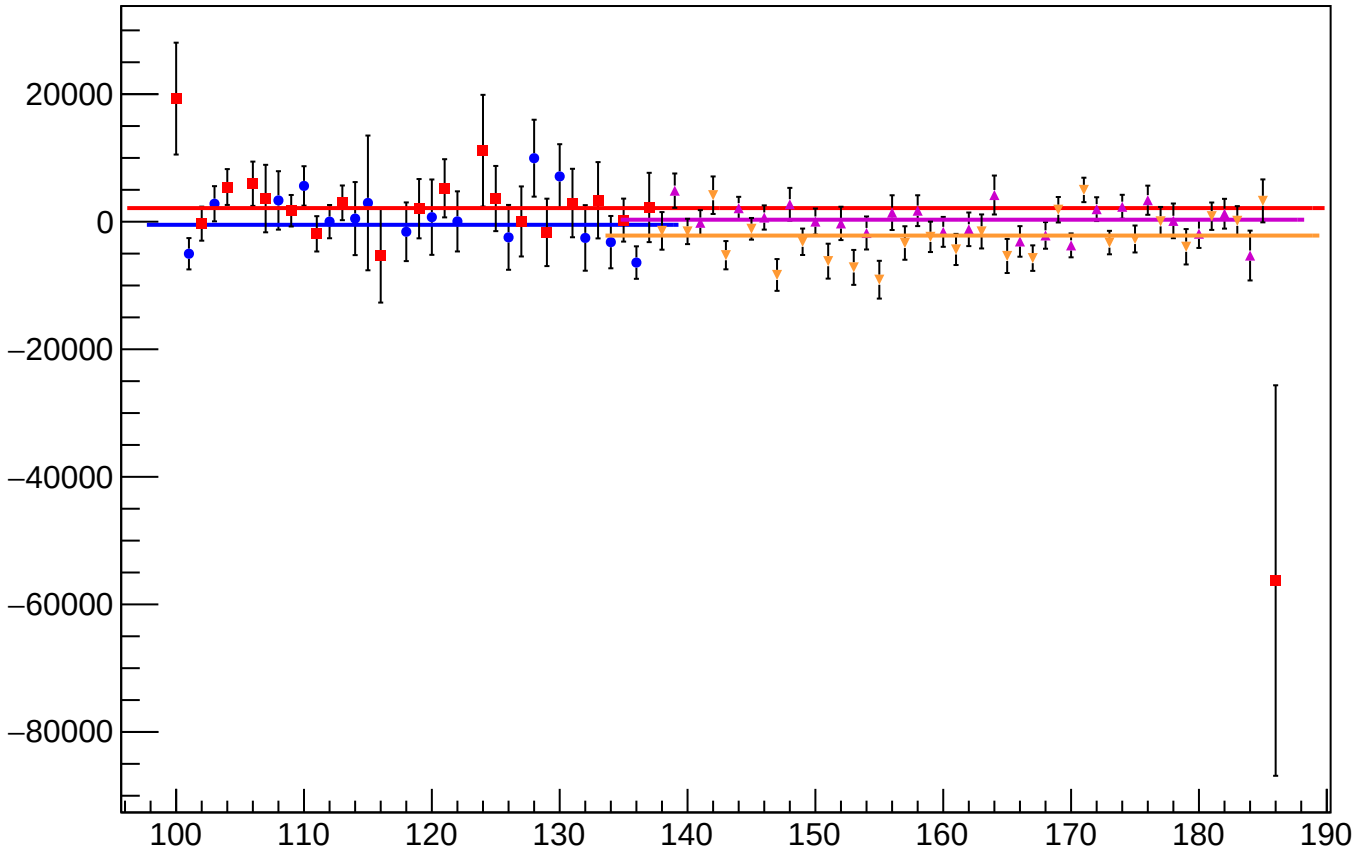
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 237.806+/-0.045 χ^2/NDF: 1485403.4/35

In: 255.211+/-0.036 χ^2/NDF:1160539.8/38

Out: 253.427+/-0.035 χ^2/NDF:1910716.3/44

All: 254.291+/-0.025 χ^2/NDF: 3072506.6/83



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

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

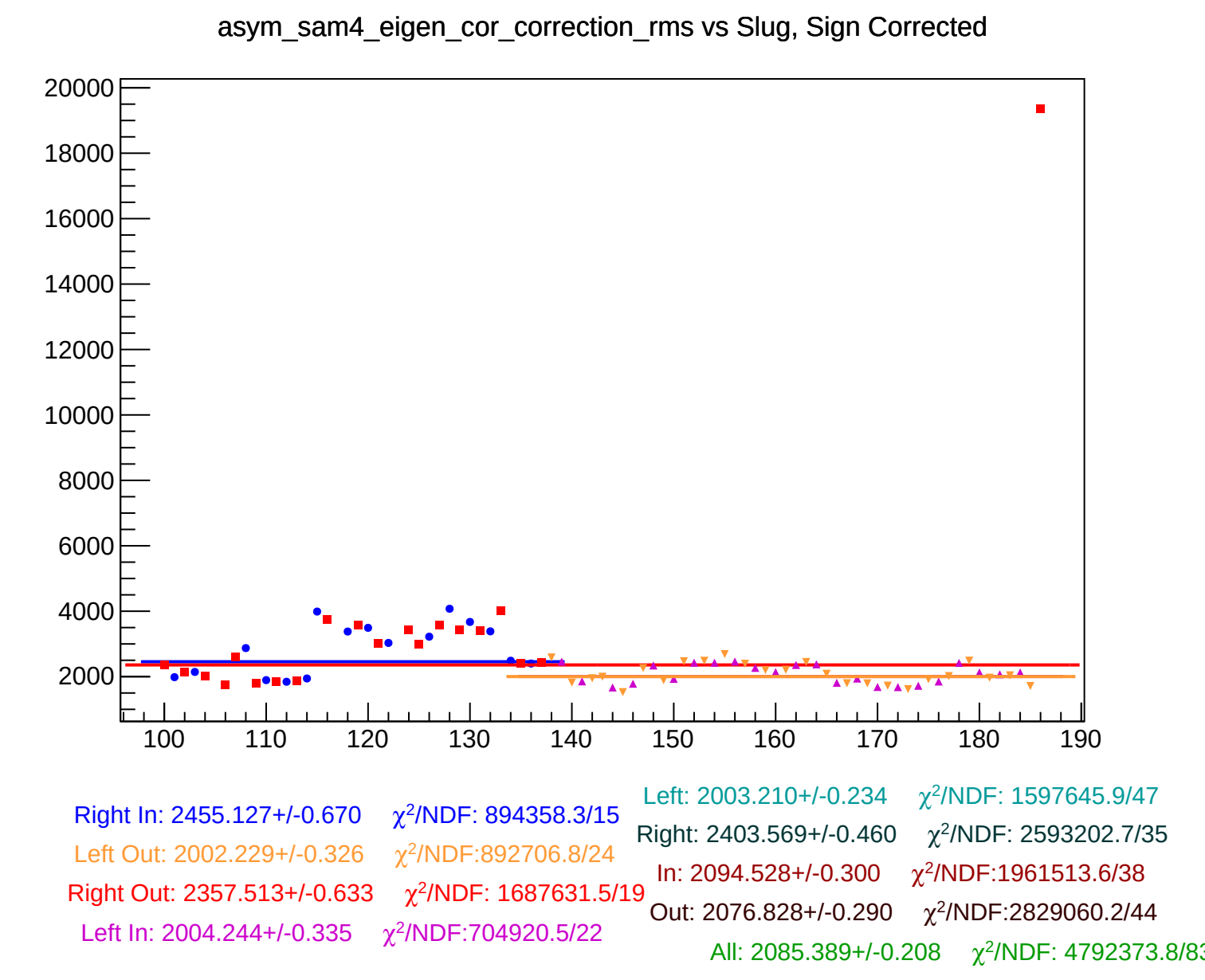
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 898.238+/-650.803 χ^2/NDF: 42.1/35

In: 153.585+/-423.972 χ^2/NDF:45.4/38

Out: -1267.548+/-410.330 χ^2/NDF:90.7/44

All: -580.213+/-294.852 χ^2/NDF: 141.8/83


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
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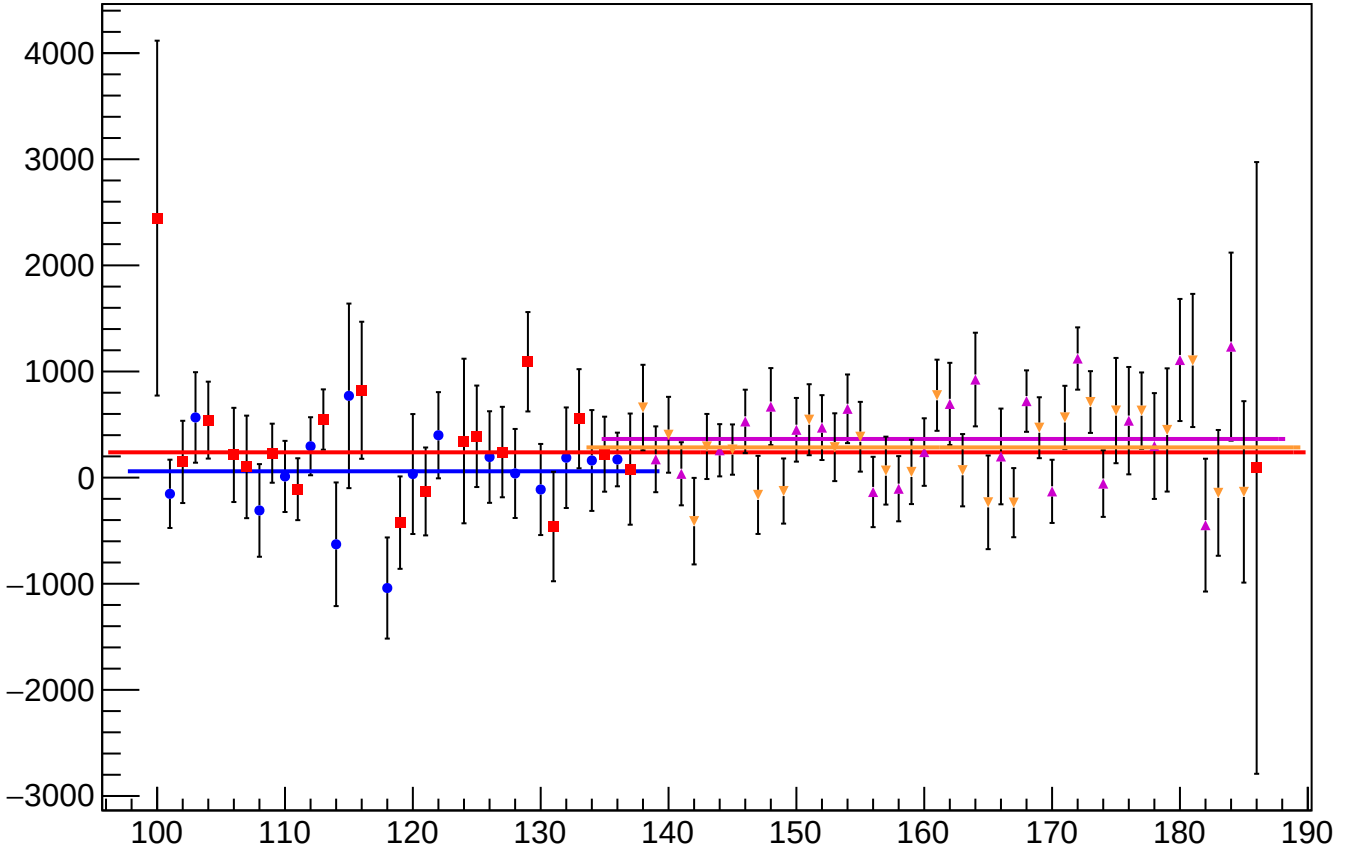
Right In: 2455.127+/-0.670 χ²/NDF: 894358.3/15
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2357.513+/-0.633 χ²/NDF: 1687631.5/19
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2403.569+/-0.460 χ²/NDF: 2593202.7/35
In: 2094.528+/-0.300 χ²/NDF:1961513.6/38
Out: 2076.828+/-0.290 χ²/NDF:2829060.2/44
All: 2085.389+/-0.208 χ²/NDF: 4792373.8/83

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

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

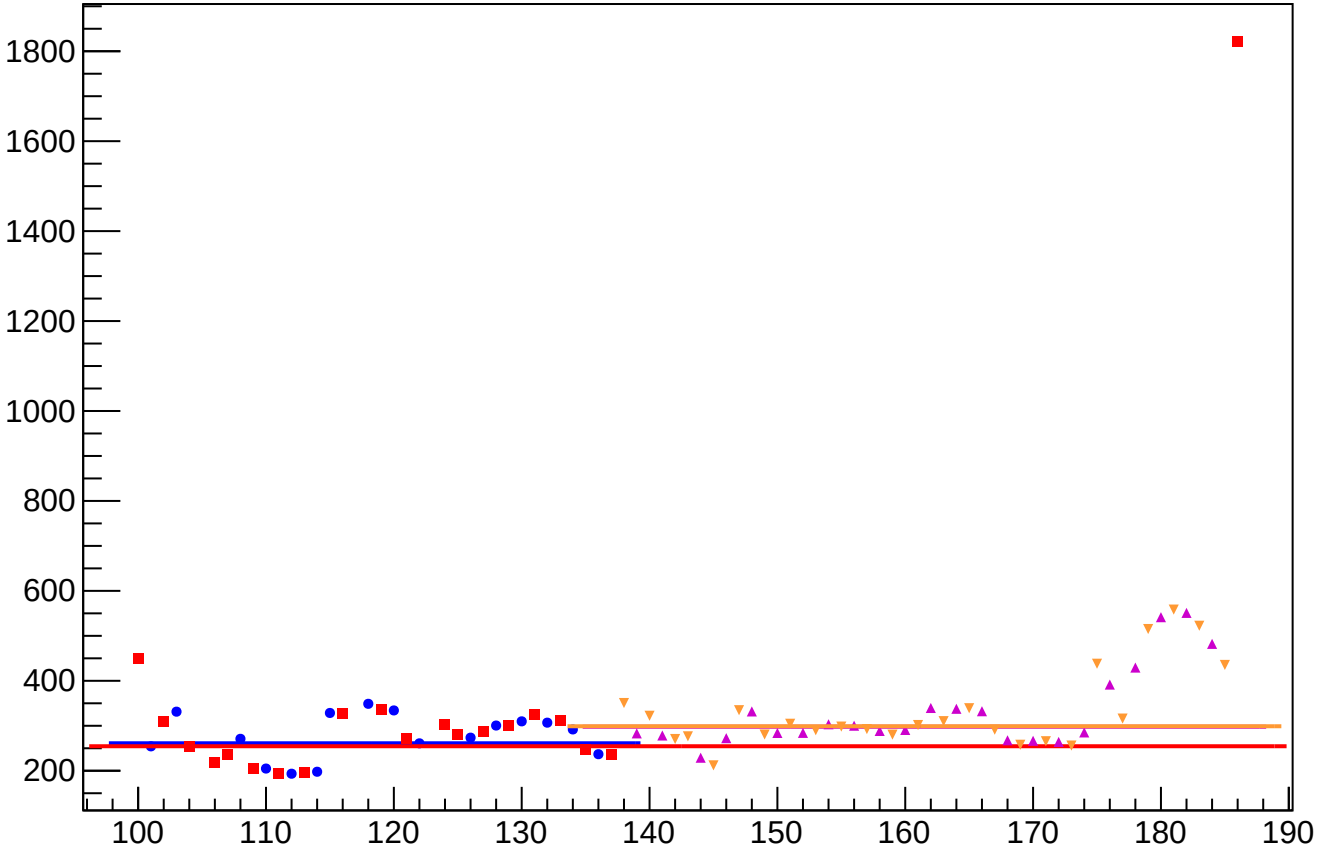
Right: 152.920+/-68.626 χ^2/NDF: 28.6/35

In: 259.711+/-58.123 χ^2/NDF:46.4/38

Out: 268.522+/-56.375 χ^2/NDF:37.9/44

All: 264.251+/-40.467 χ^2/NDF: 84.3/83

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

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

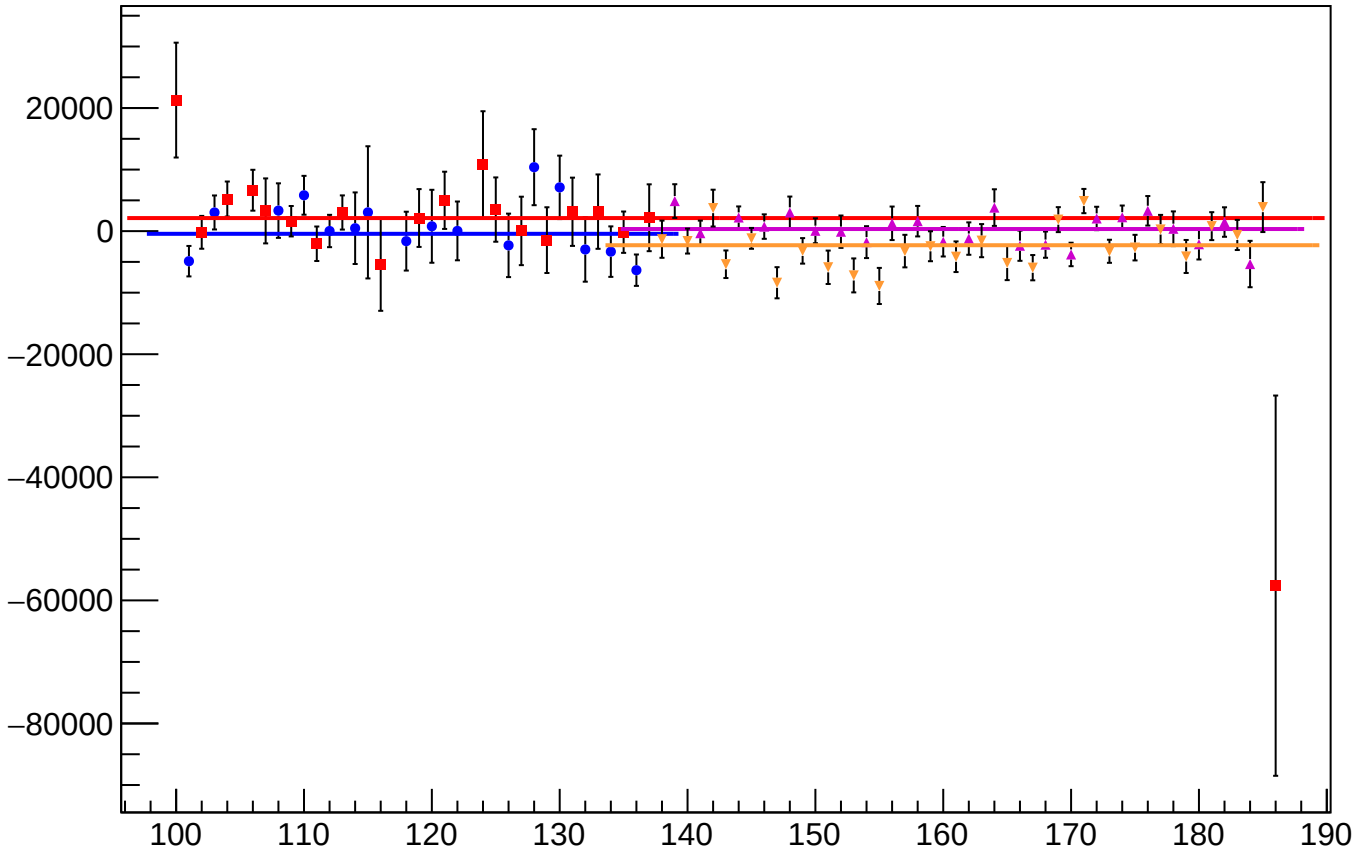
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 257.647+/-0.049 χ^2/NDF: 1596387.3/35

In: 285.260+/-0.041 χ^2/NDF:1962382.2/38

Out: 283.290+/-0.040 χ^2/NDF:3025775.1/44

All: 284.245+/-0.029 χ^2/NDF: 4989341.9/83



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

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

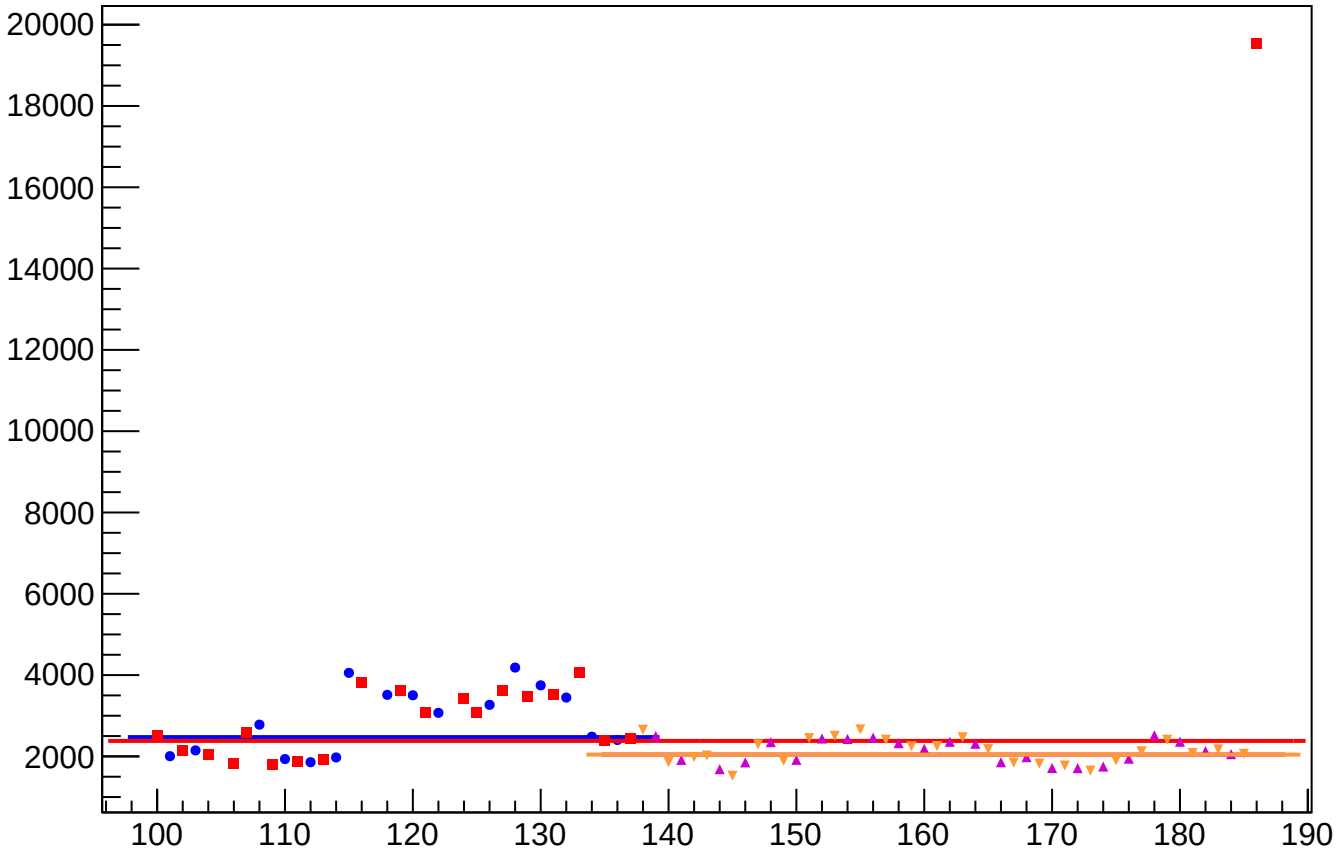
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

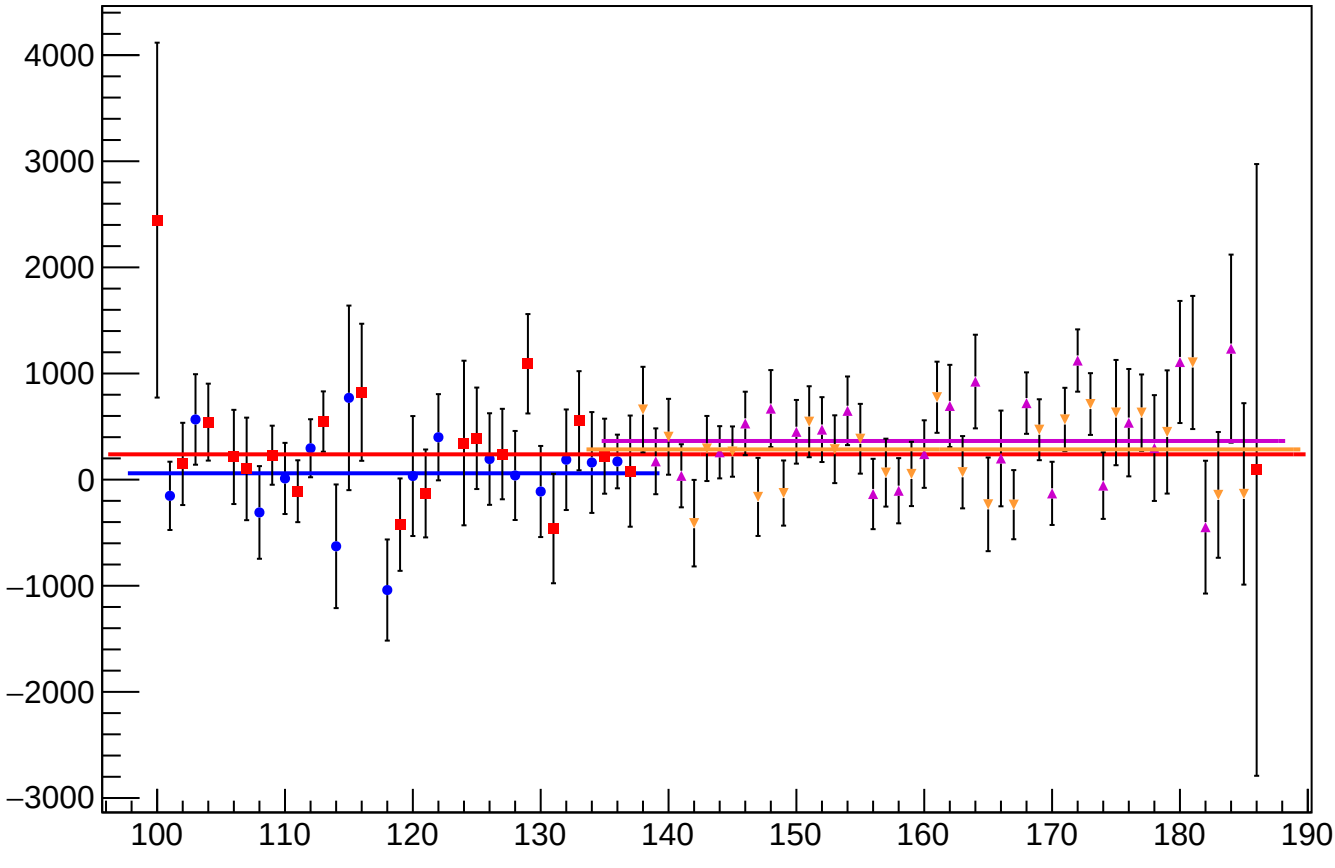
Right: 917.209+/-655.297 χ^2/NDF: 42.7/35

In: 183.583+/-431.453 χ^2/NDF:44.6/38

Out: -1345.087+/-417.044 χ^2/NDF:88.3/44

All: -606.704+/-299.859 χ^2/NDF: 139.3/83


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2474.622+/-0.675 χ²/NDF: 916250.9/15
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: 2424.971+/-0.463 χ²/NDF: 2620825.9/35
In: 2132.807+/-0.305 χ²/NDF:1928280.4/38
Out: 2116.007+/-0.295 χ²/NDF:2767796.7/44
All: 2124.121+/-0.212 χ²/NDF: 4697644.7/83



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

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

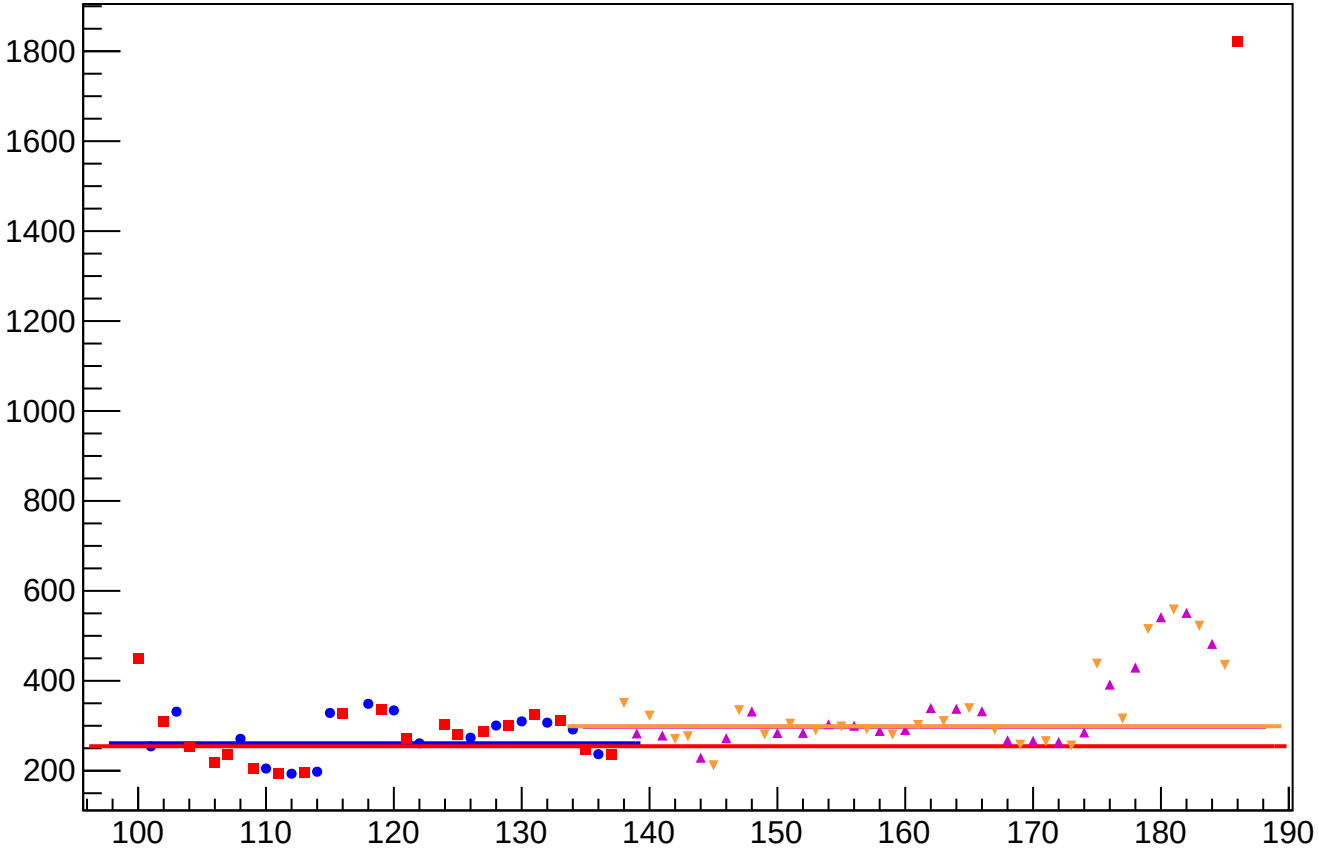
Right: 152.922+/-68.626 χ^2/NDF: 28.6/35

In: 259.714+/-58.123 χ^2/NDF:46.4/38

Out: 268.524+/-56.375 χ^2/NDF:37.9/44

All: 264.254+/-40.467 χ^2/NDF: 84.3/83

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

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

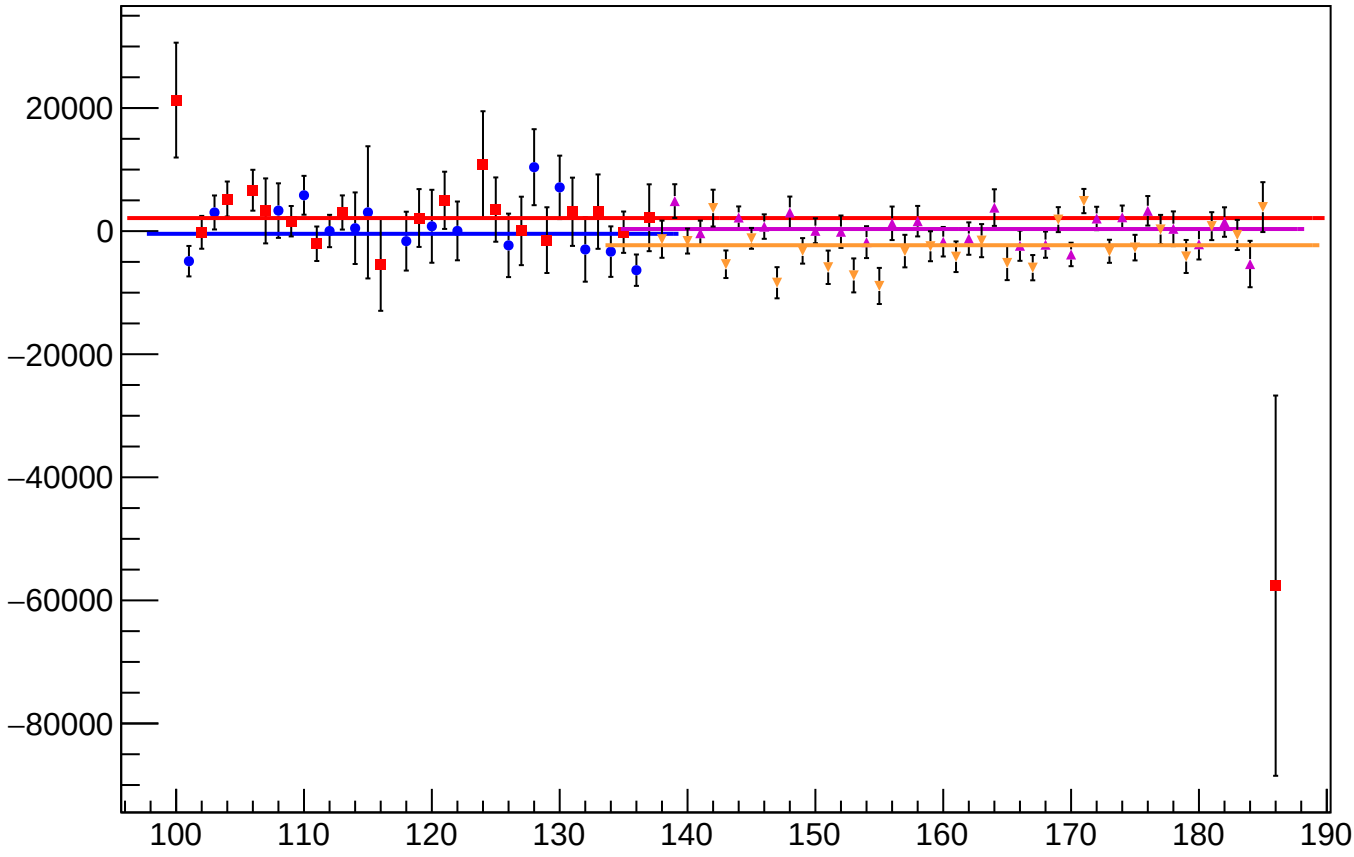
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 257.647+/-0.049 χ^2/NDF: 1596392.5/35

In: 285.261+/-0.041 χ^2/NDF:1962368.8/38

Out: 283.290+/-0.040 χ^2/NDF:3025778.3/44

All: 284.245+/-0.029 χ^2/NDF: 4989331.7/83



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

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

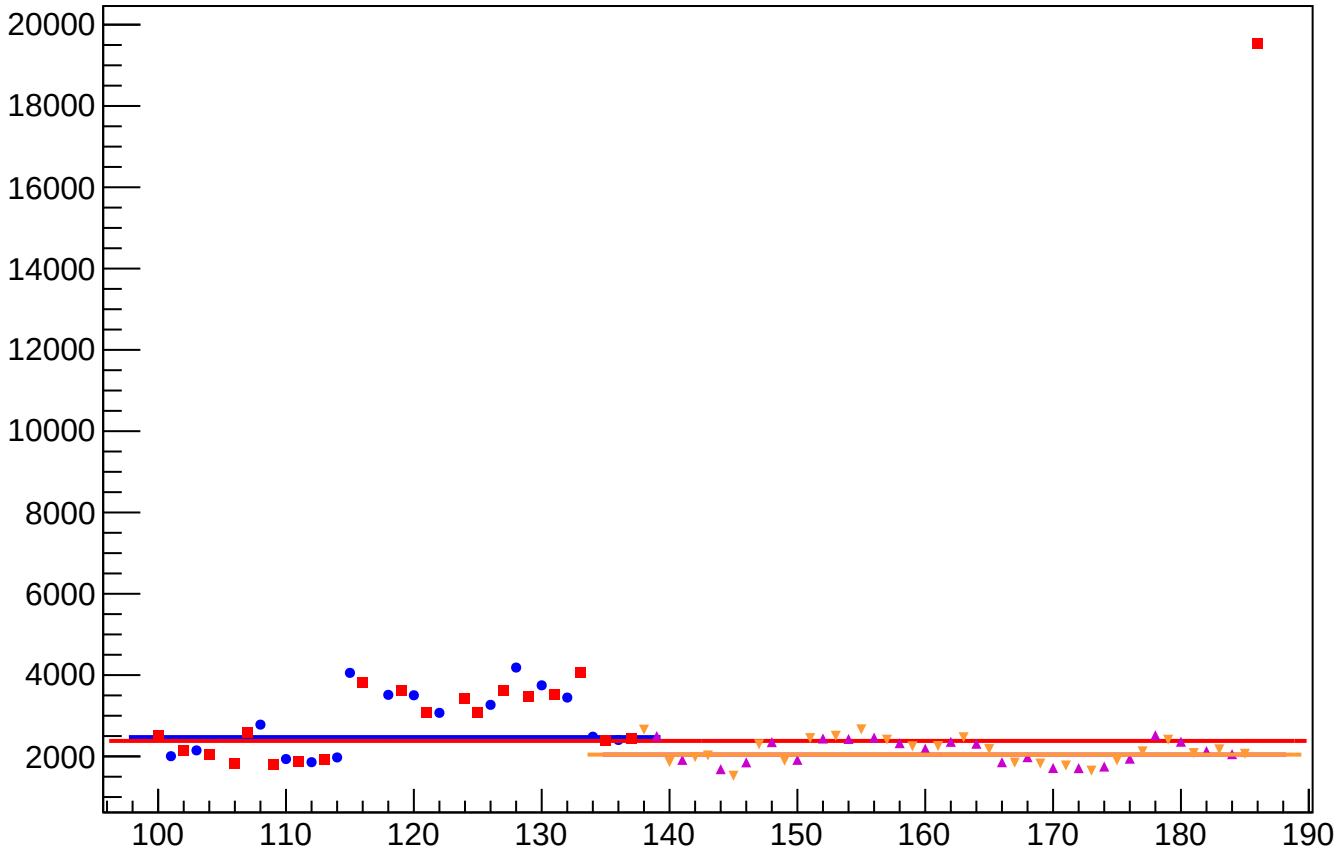
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 917.209+/-655.297 χ^2/NDF: 42.7/35

In: 183.582+/-431.452 χ^2/NDF:44.6/38

Out: -1345.085+/-417.044 χ^2/NDF:88.3/44

All: -606.703+/-299.859 χ^2/NDF: 139.3/83



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

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

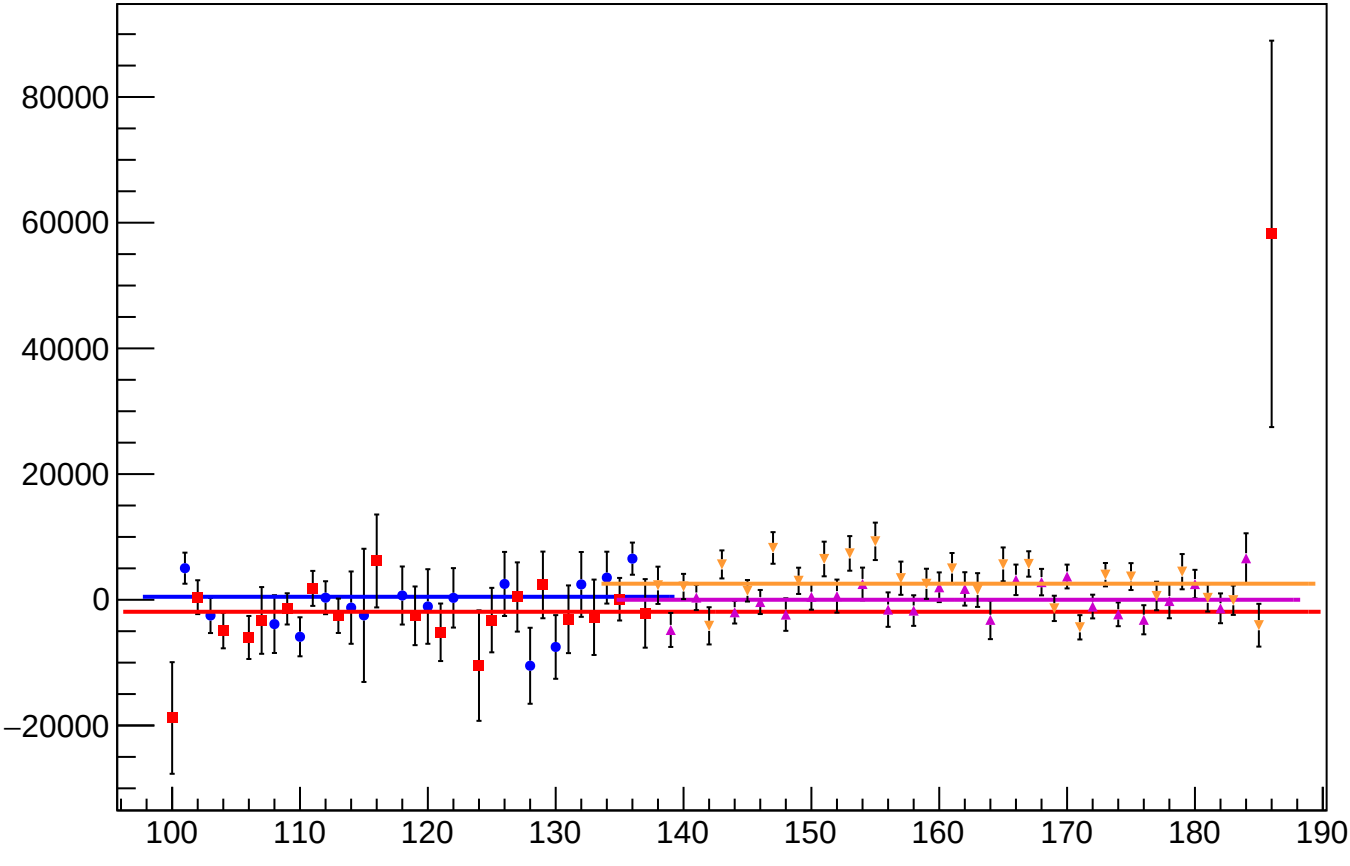
Right: 2424.969+/-0.463 χ^2/NDF: 2620831.3/35

In: 2132.804+/-0.305 χ^2/NDF:1928284.5/38

Out: 2116.004+/-0.295 χ^2/NDF:2767803.2/44

All: 2124.119+/-0.212 χ^2/NDF: 4697655.4/83

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

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

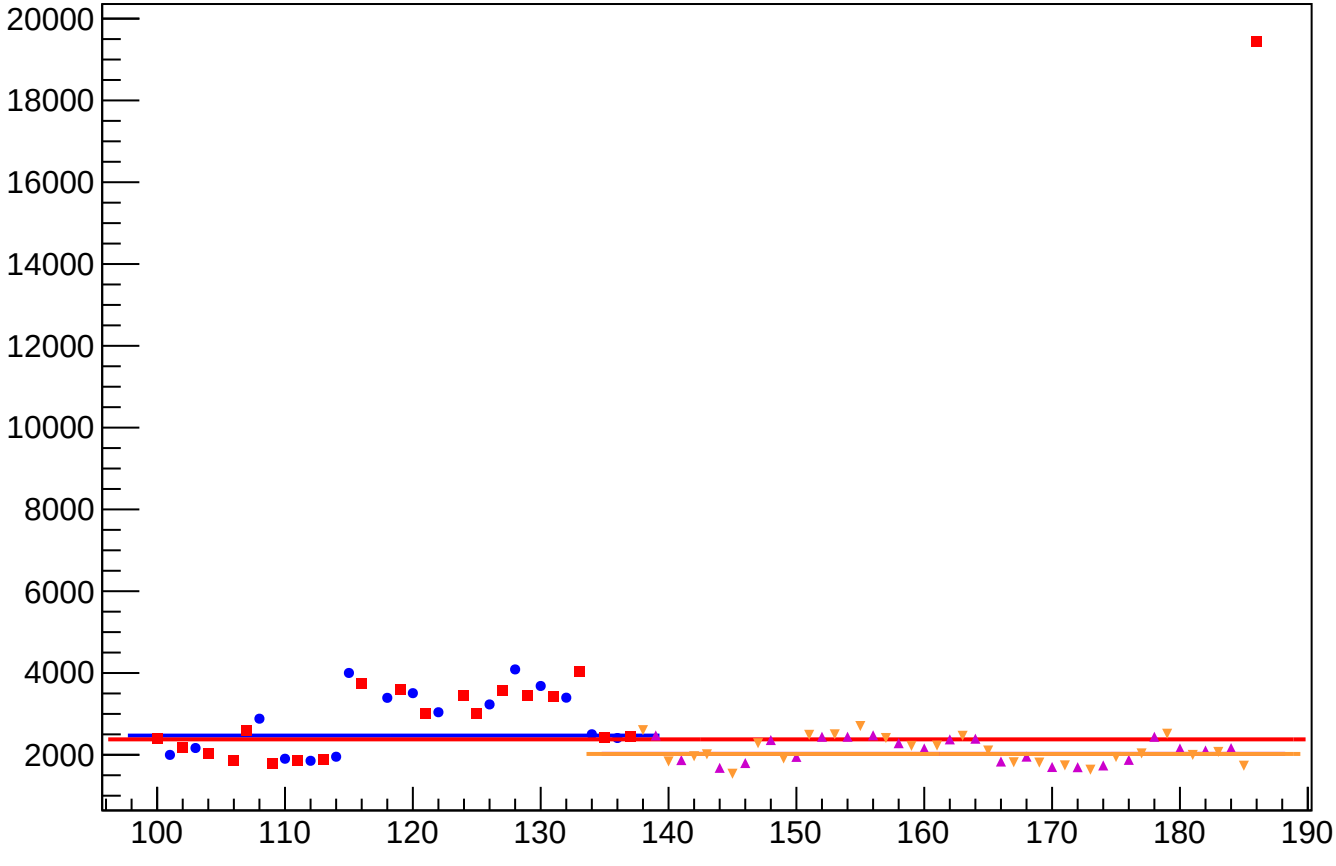
Right: -784.117+/-653.988 χ^2/NDF: 42.1/35

In: 98.917+/-427.611 χ^2/NDF:47.0/38

Out: 1613.696+/-413.713 χ^2/NDF:88.8/44

All: 881.323+/-297.331 χ^2/NDF: 142.3/83

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

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

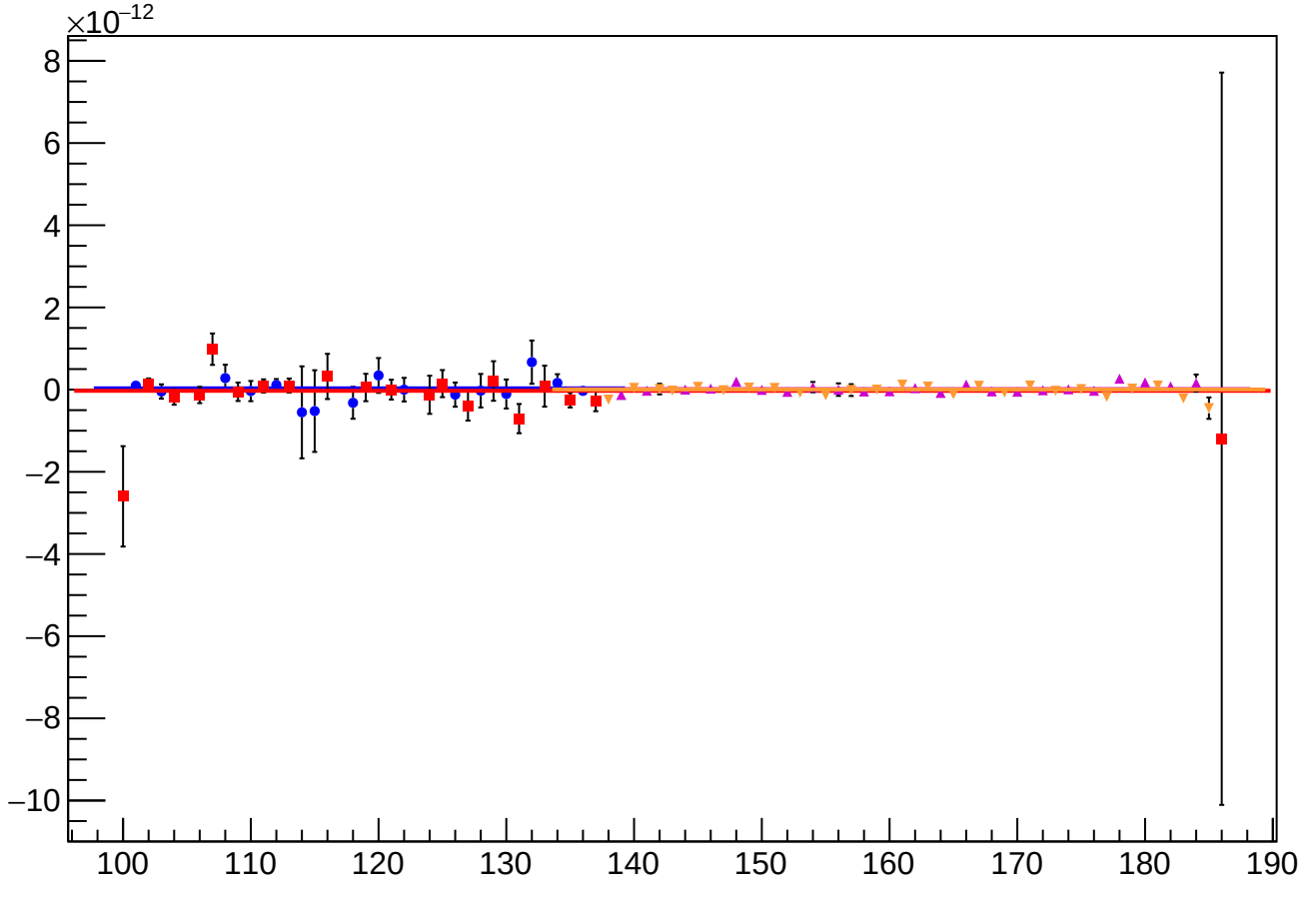
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2421.001+/-0.462 χ^2/NDF: 2555924.3/35

In: 2113.196+/-0.302 χ^2/NDF:1932777.2/38

Out: 2096.690+/-0.293 χ^2/NDF:2788893.5/44

All: 2104.670+/-0.210 χ^2/NDF: 4723209.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

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

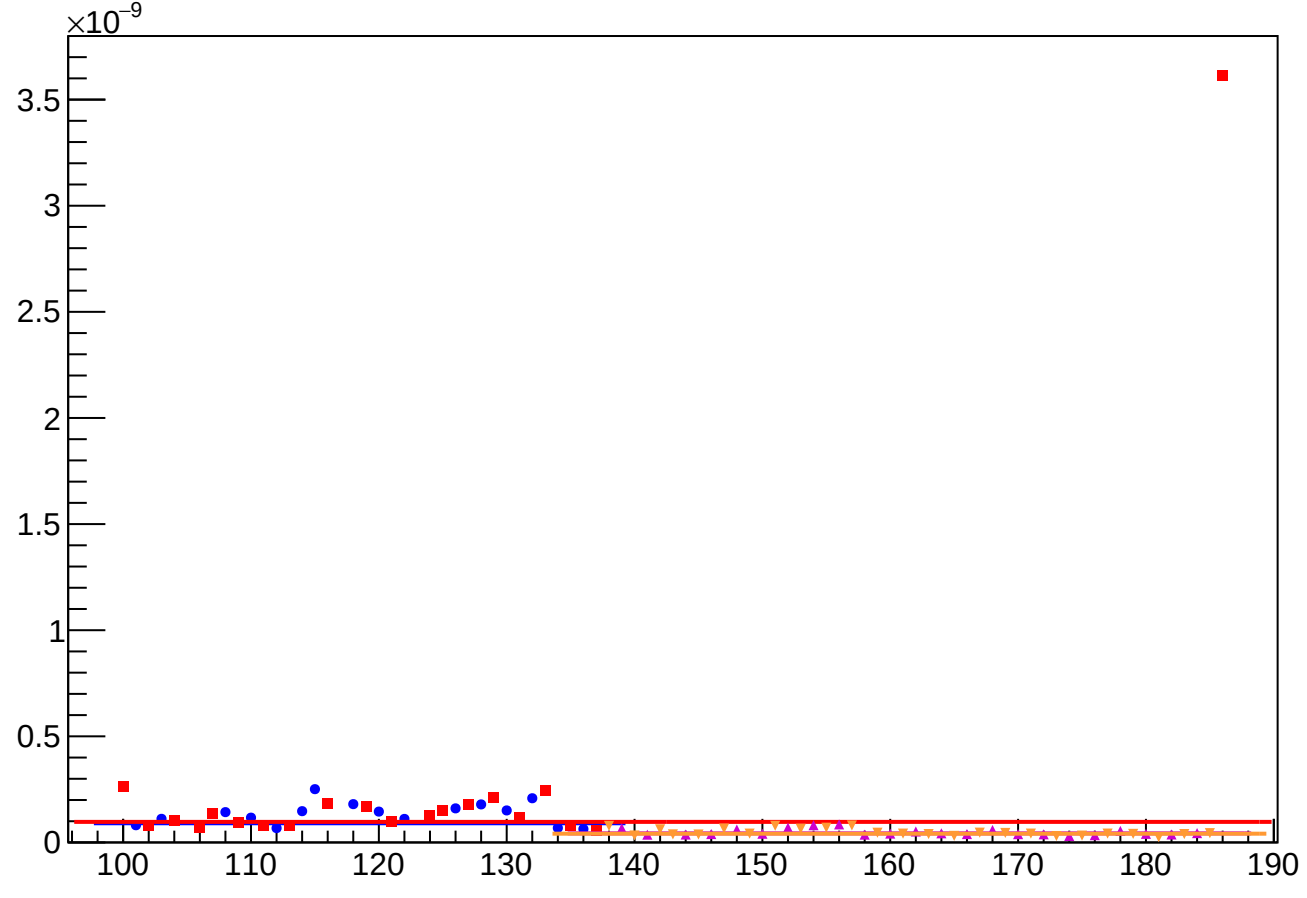
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 29.9/35

In: 0.000+/-0.000 χ^2/NDF:27.1/38

Out: 0.000+/-0.000 χ^2/NDF:55.6/44

All: 0.000+/-0.000 χ^2/NDF: 83.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

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

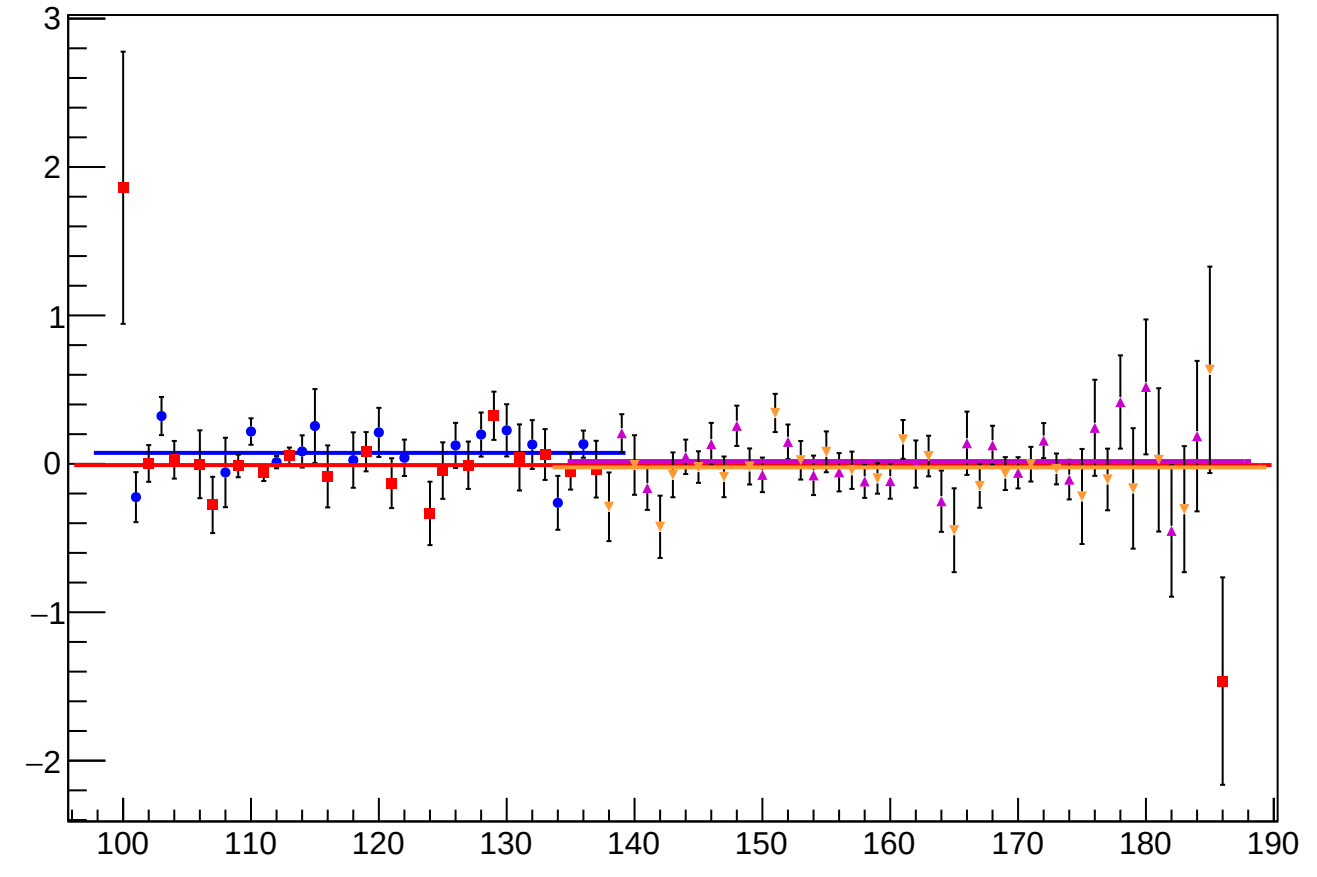
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2104040.8/35

In: 0.000+/-0.000 χ^2/NDF:3340554.7/38

Out: 0.000+/-0.000 χ^2/NDF:4230351.9/44

All: 0.000+/-0.000 χ^2/NDF: 7586409.9/83



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

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

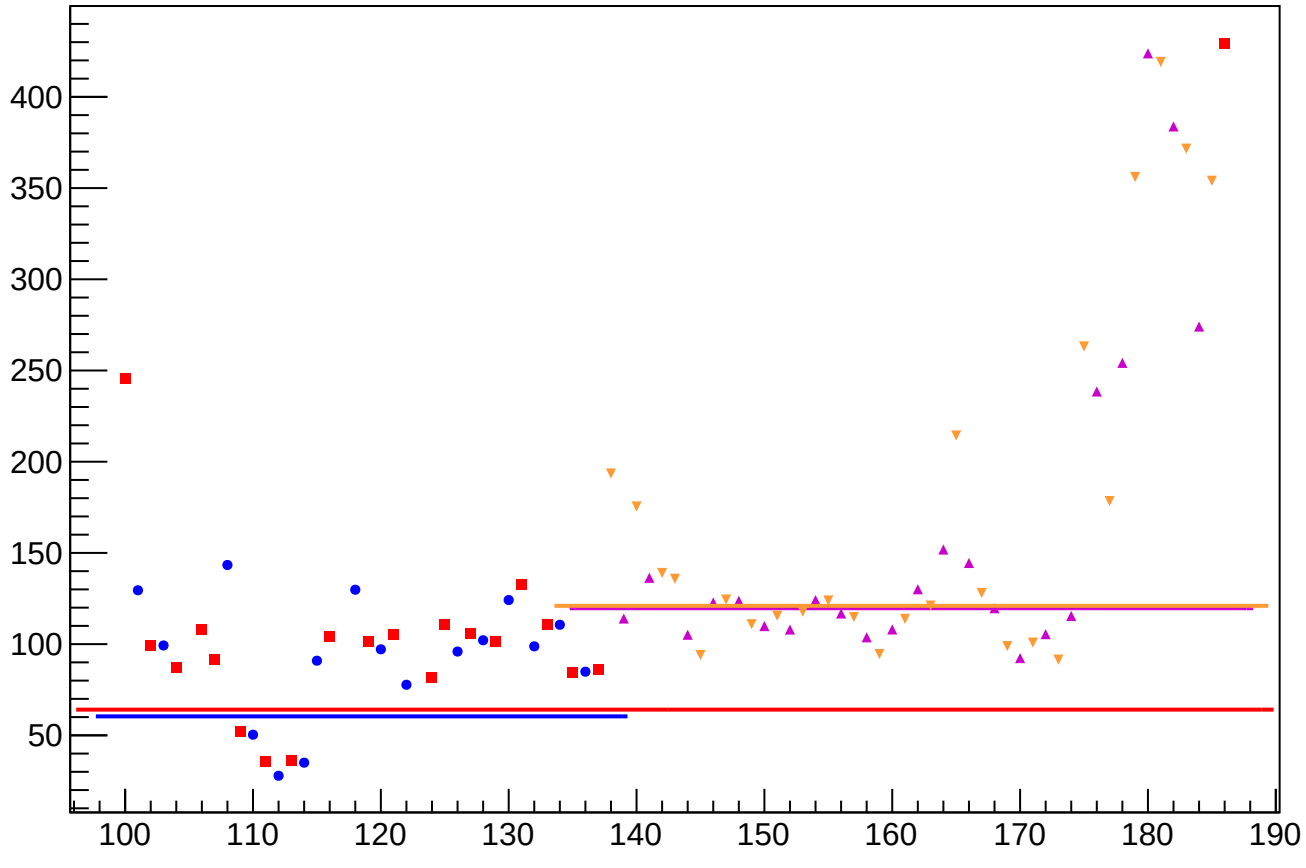
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.4/35

In: 0.049+/-0.020 χ^2/NDF:43.8/38

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.1/83



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

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

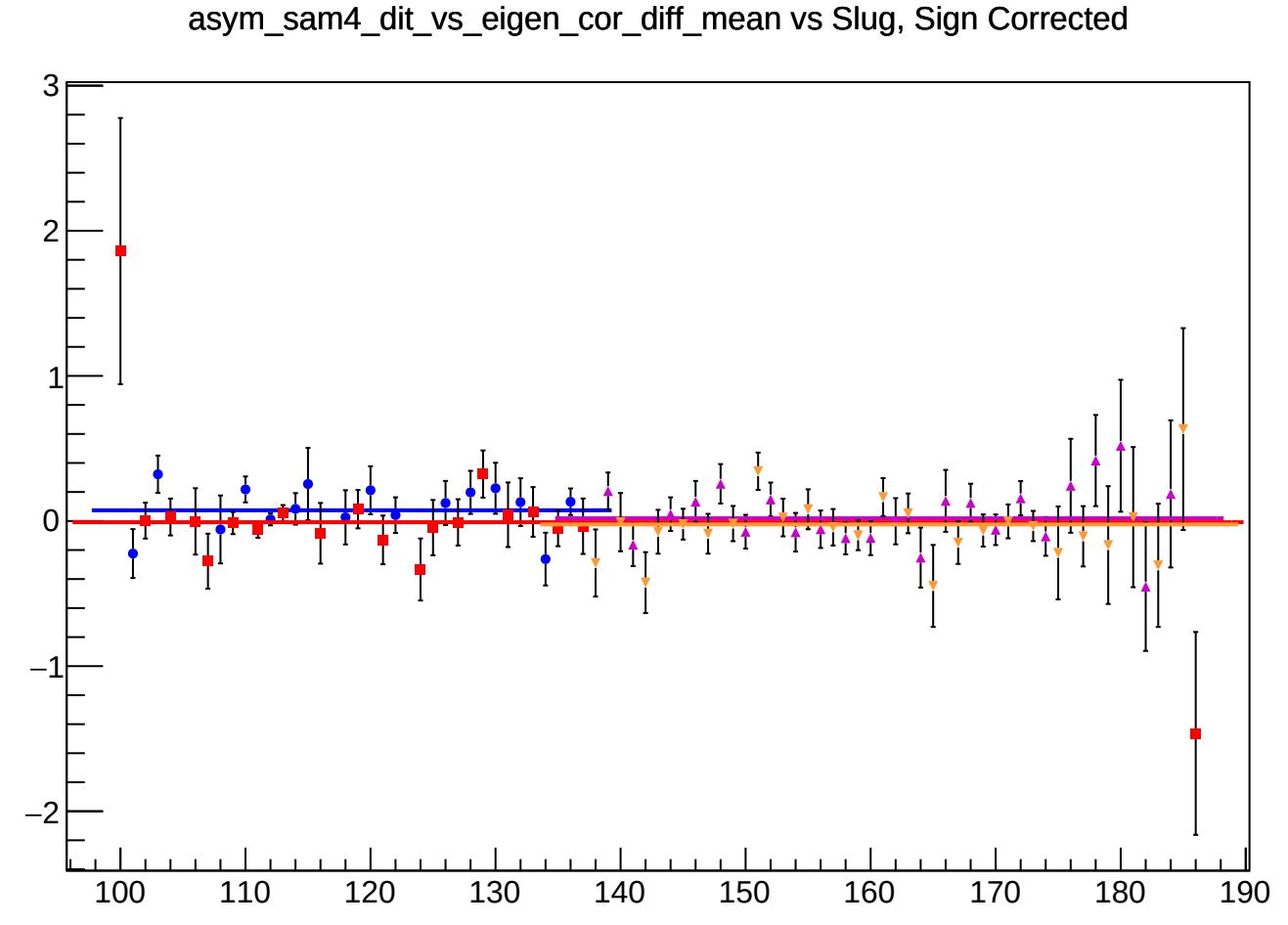
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 62.260+/-0.013 χ^2/NDF: 6758139.1/35

In: 86.723+/-0.014 χ^2/NDF:10653236.3/38

Out: 89.452+/-0.014 χ^2/NDF:11312011.7/44

All: 88.099+/-0.010 χ^2/NDF: 21983769.1/83



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

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

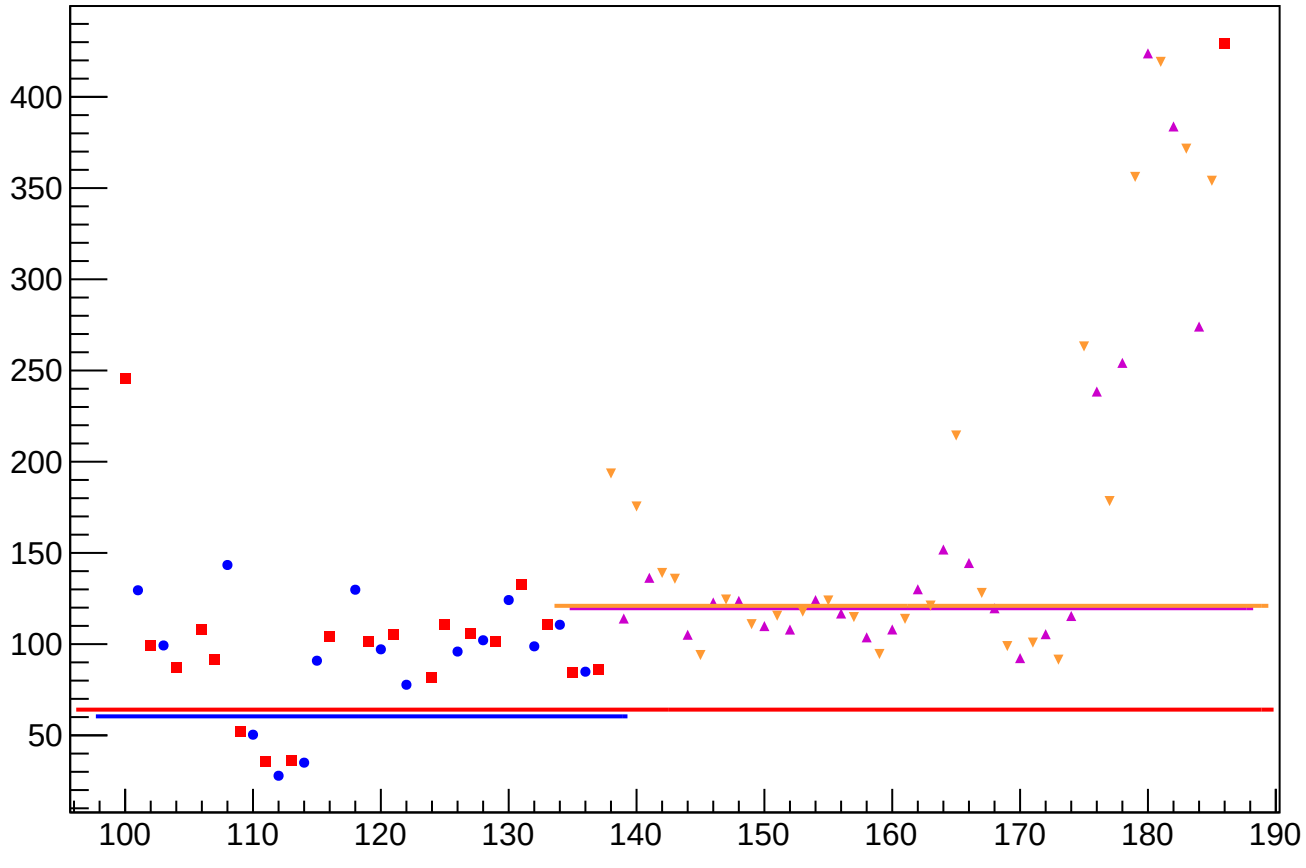
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.4/35

In: 0.049+/-0.020 χ^2/NDF:43.8/38

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.1/83



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

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

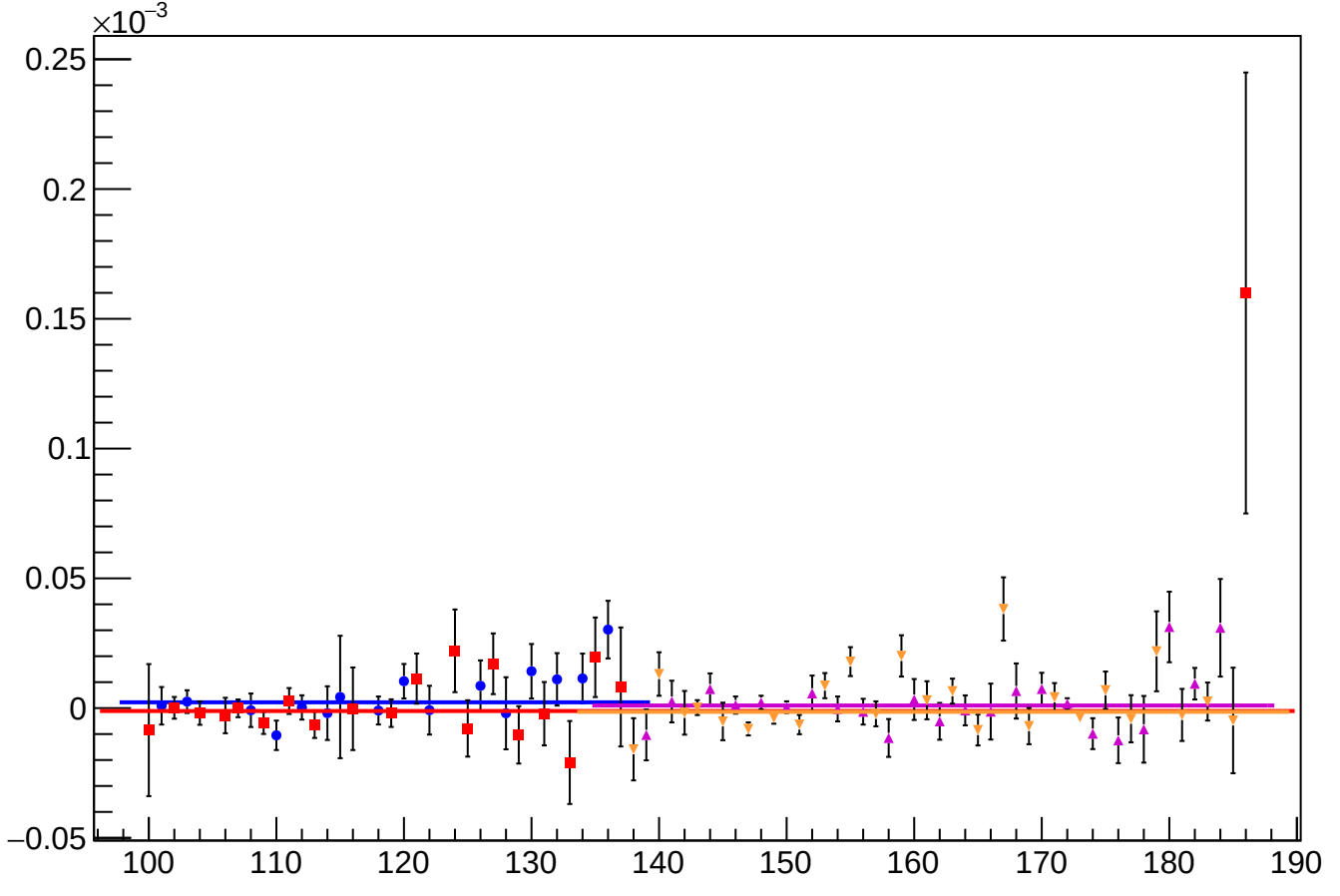
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 62.260+/-0.013 χ^2/NDF: 6758139.1/35

In: 86.723+/-0.014 χ^2/NDF:10653236.3/38

Out: 89.452+/-0.014 χ^2/NDF:11312011.7/44

All: 88.099+/-0.010 χ^2/NDF: 21983769.1/83



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

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

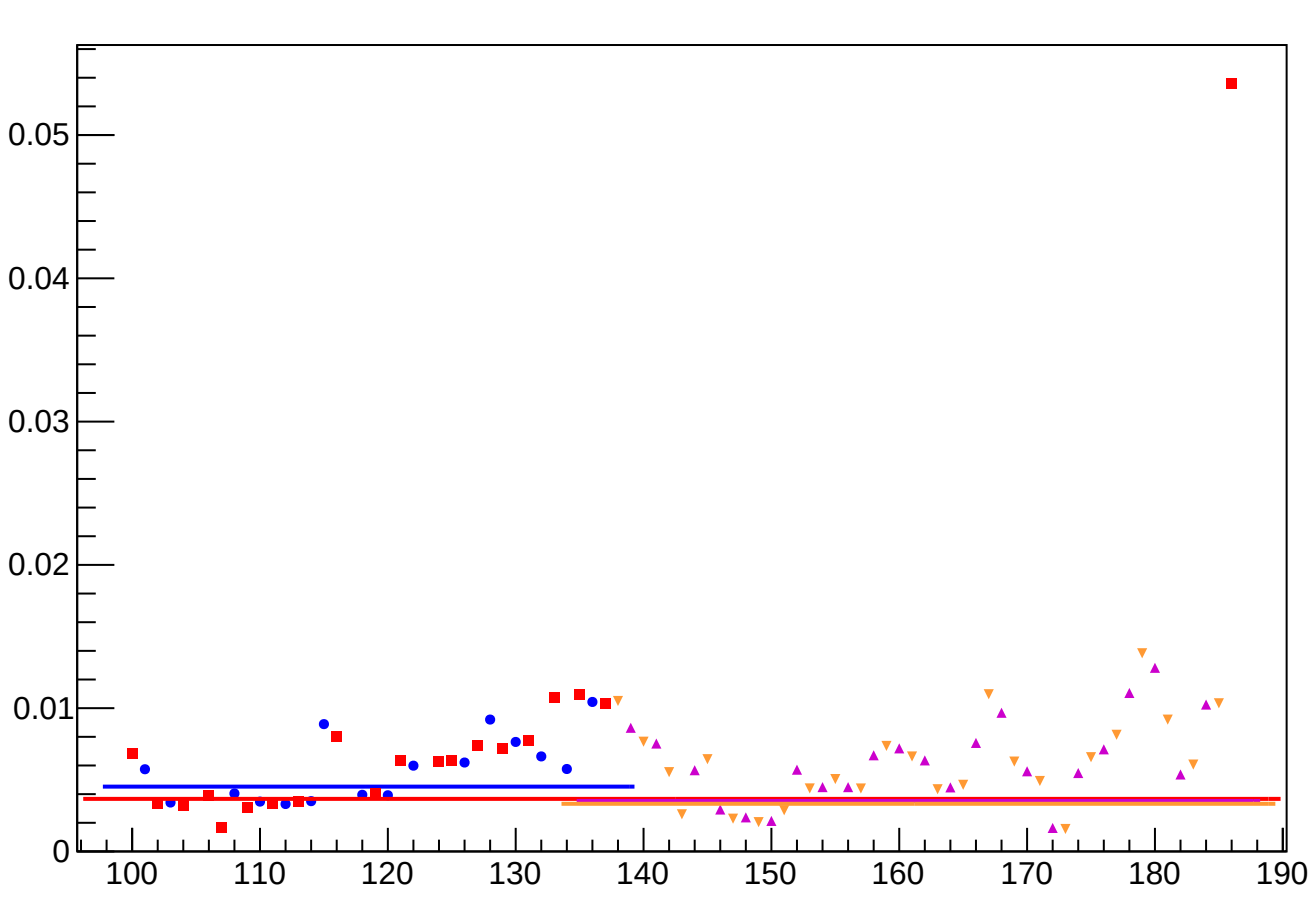
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 37.2/35

In: 0.000+/-0.000 χ^2/NDF:42.3/38

Out: -0.000+/-0.000 χ^2/NDF:78.2/44

All: -0.000+/-0.000 χ^2/NDF: 125.6/83



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

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

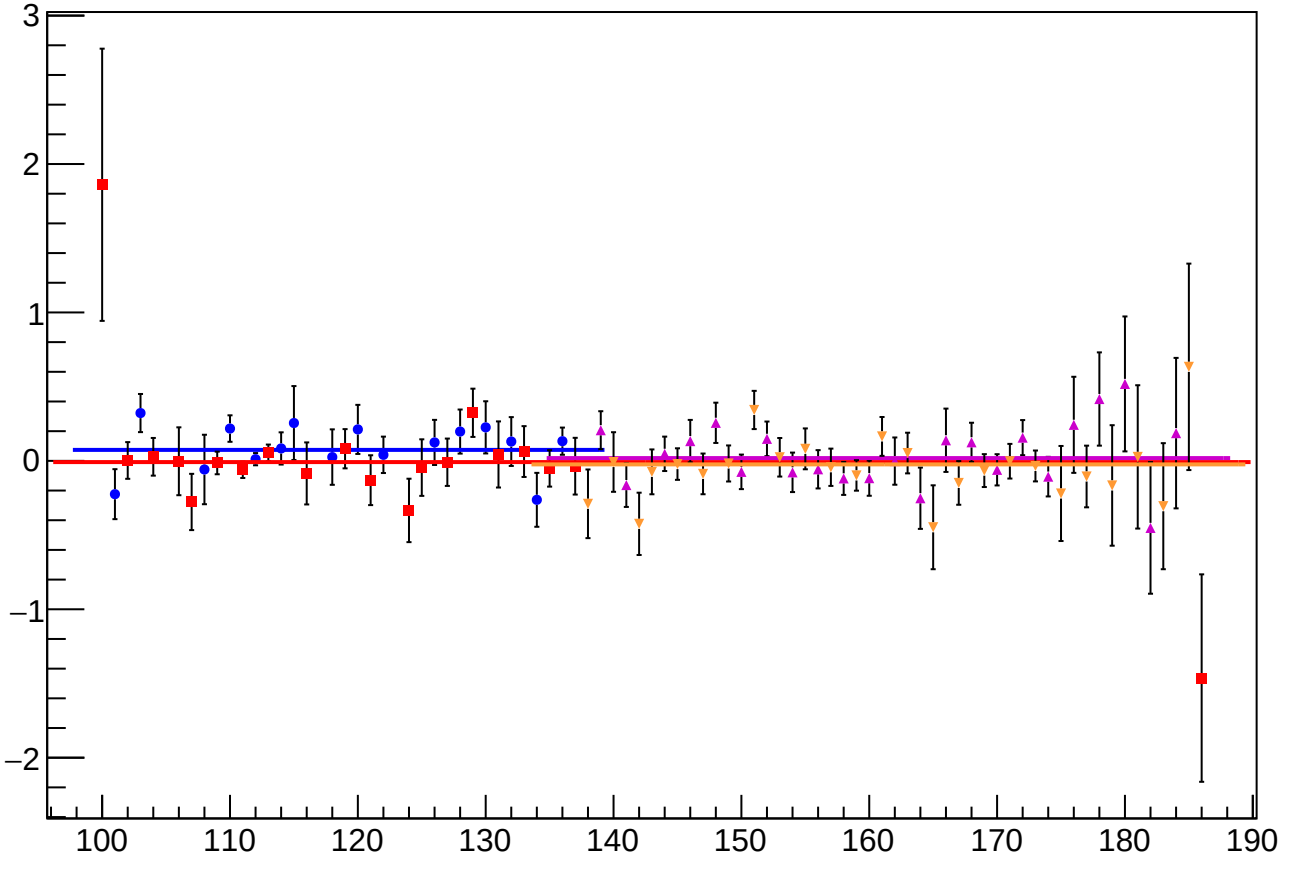
Right: 0.004+/-0.000 χ^2/NDF: 5610714.7/35

In: 0.004+/-0.000 χ^2/NDF:11619831.8/38

Out: 0.003+/-0.000 χ^2/NDF:14187696.8/44

All: 0.004+/-0.000 χ^2/NDF: 25972965.6/83

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-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

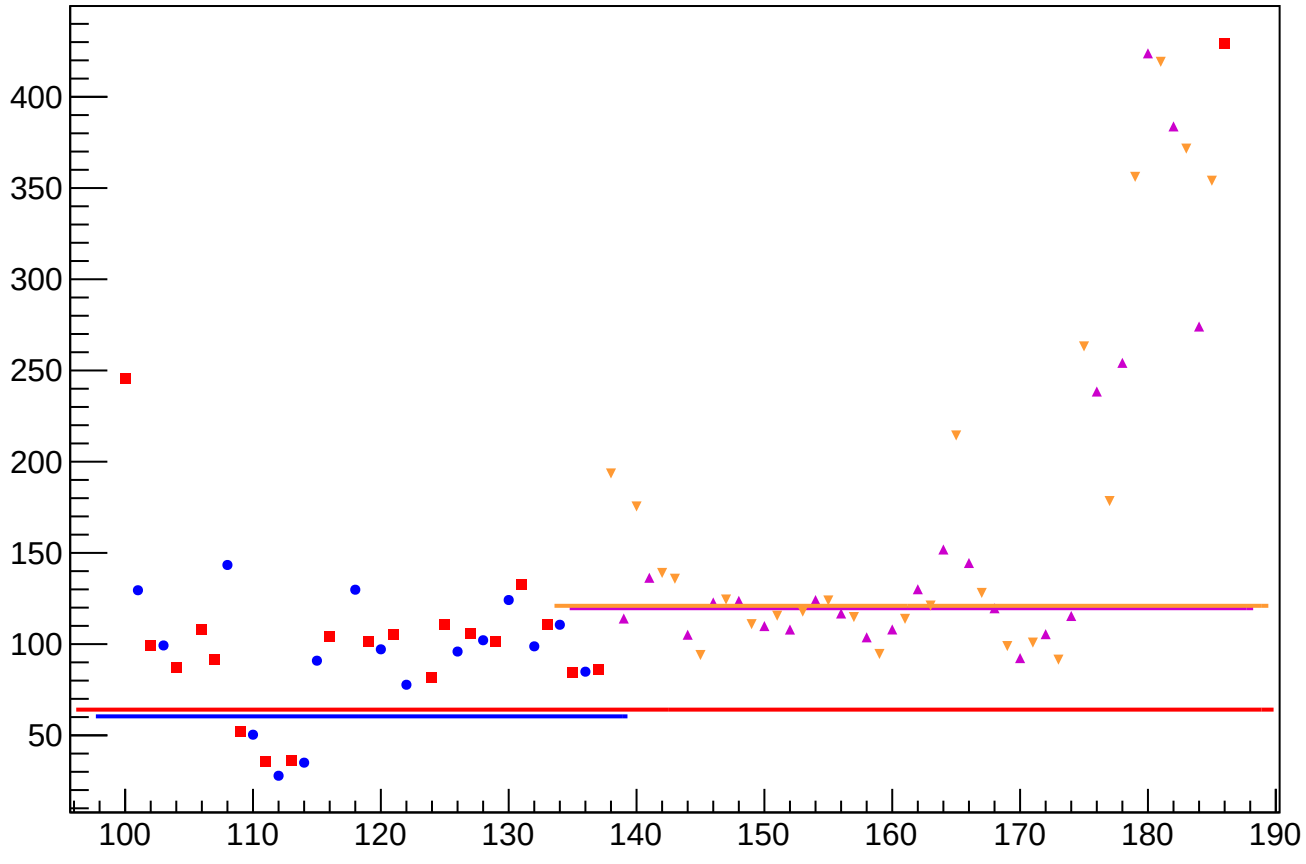
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.4/35

In: 0.049+/-0.020 χ^2/NDF:43.9/38

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.1/83



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

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

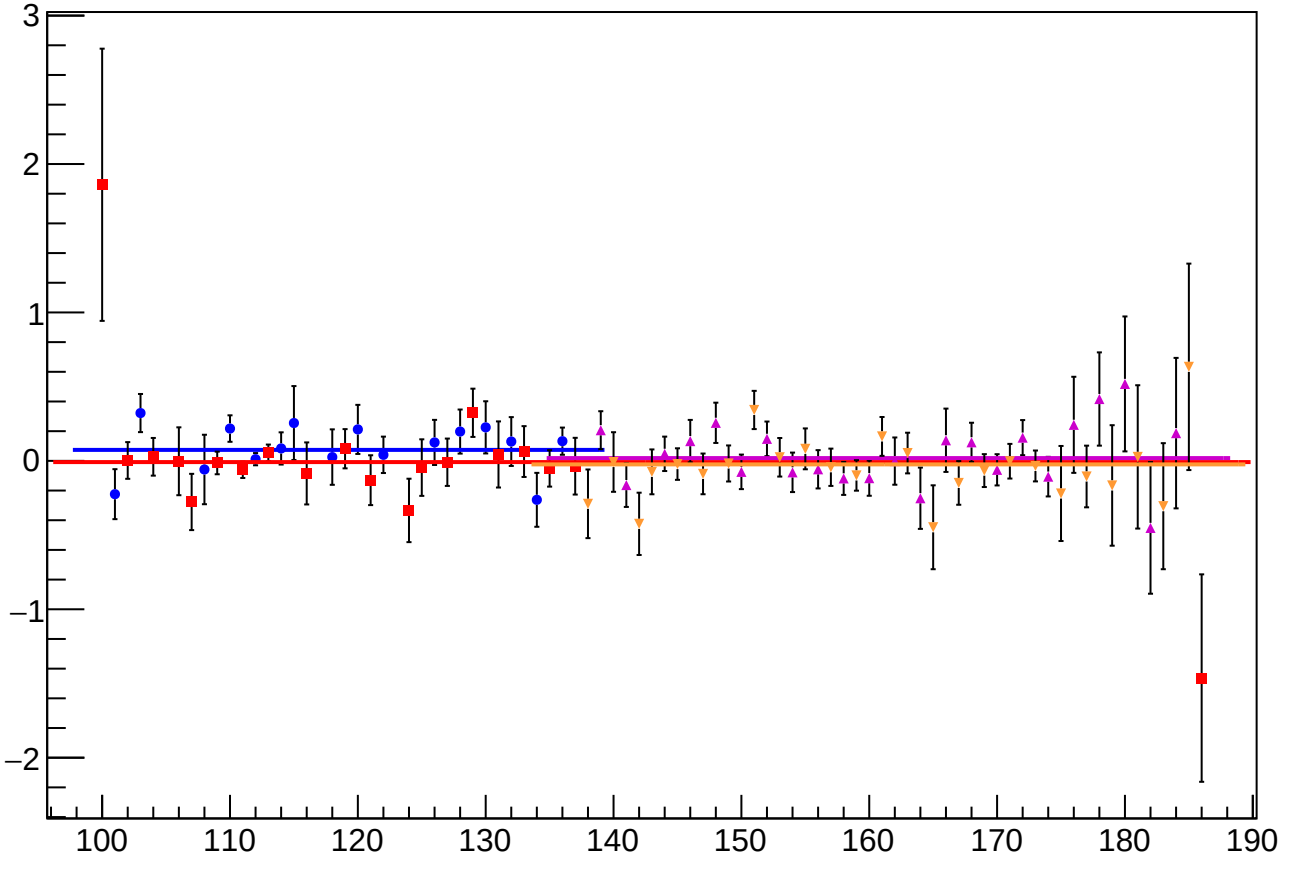
Right: 62.258+/-0.013 χ^2/NDF: 6758662.0/35

In: 86.721+/-0.014 χ^2/NDF:10653918.7/38

Out: 89.450+/-0.014 χ^2/NDF:11312640.2/44

All: 88.098+/-0.010 χ^2/NDF: 21985084.9/83

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.024+/-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

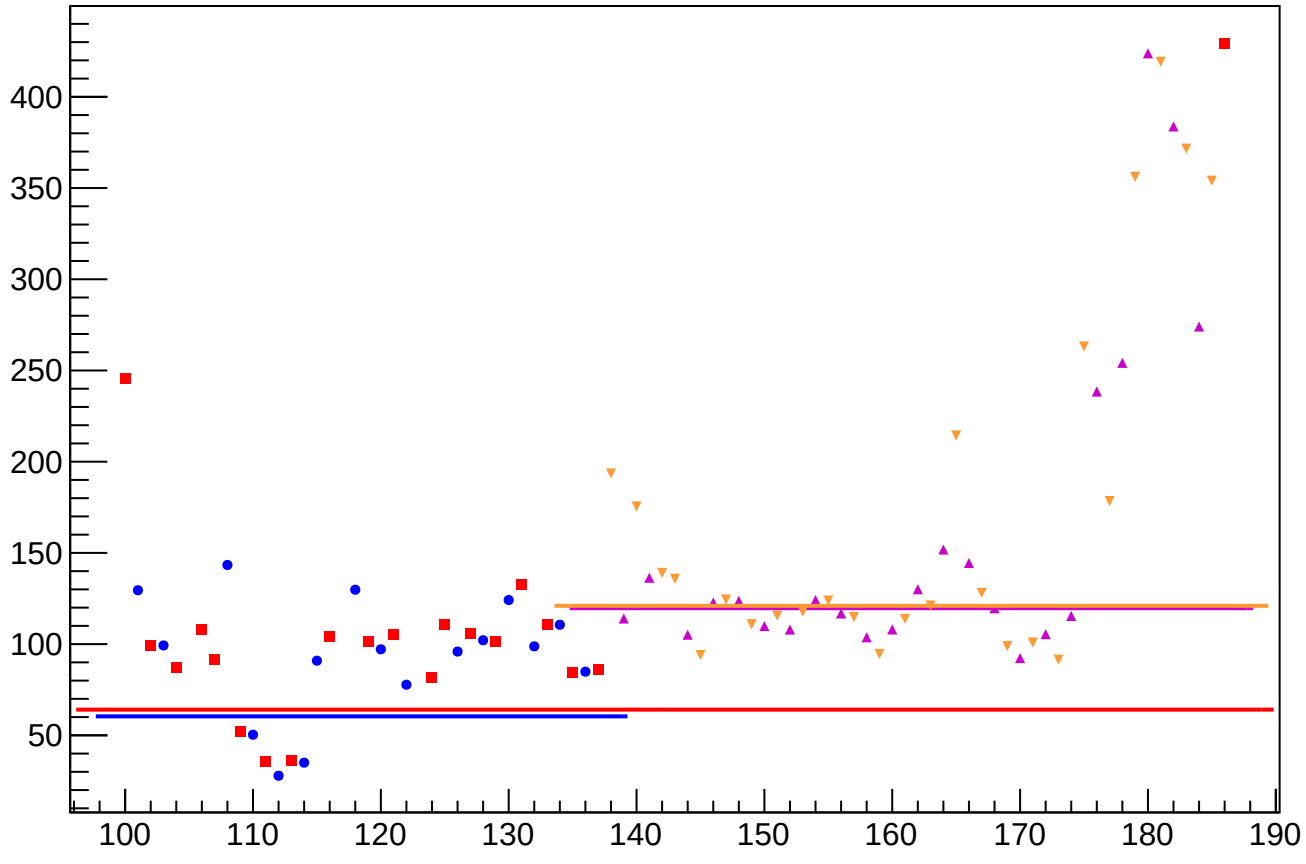
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.4/35

In: 0.049+/-0.020 χ^2/NDF:43.9/38

Out: -0.015+/-0.020 χ^2/NDF:43.1/44

All: 0.017+/-0.014 χ^2/NDF: 92.1/83



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

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

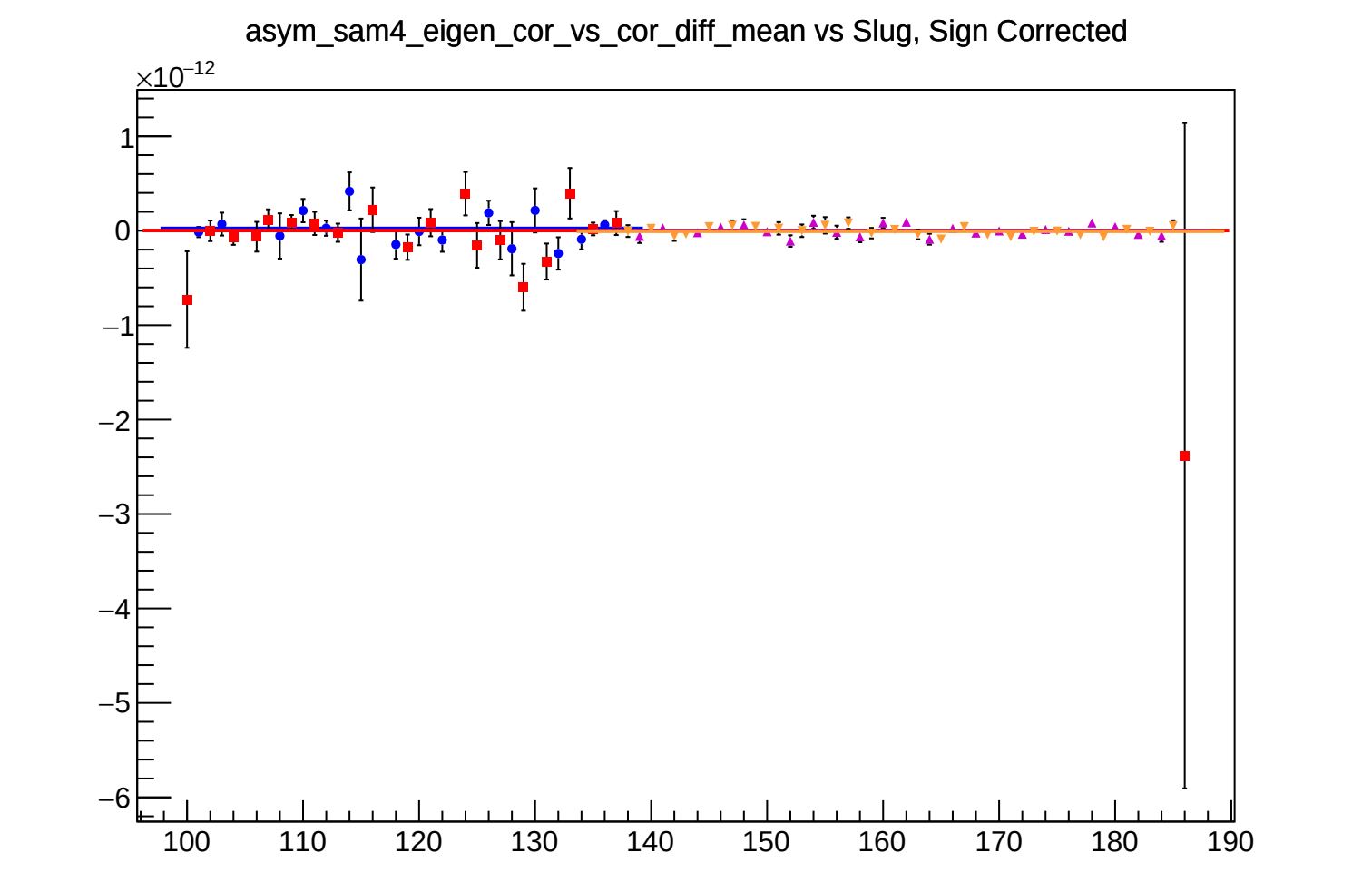
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 62.258+/-0.013 χ^2/NDF: 6758662.0/35

In: 86.721+/-0.014 χ^2/NDF:10653918.7/38

Out: 89.450+/-0.014 χ^2/NDF:11312640.2/44

All: 88.098+/-0.010 χ^2/NDF: 21985084.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

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

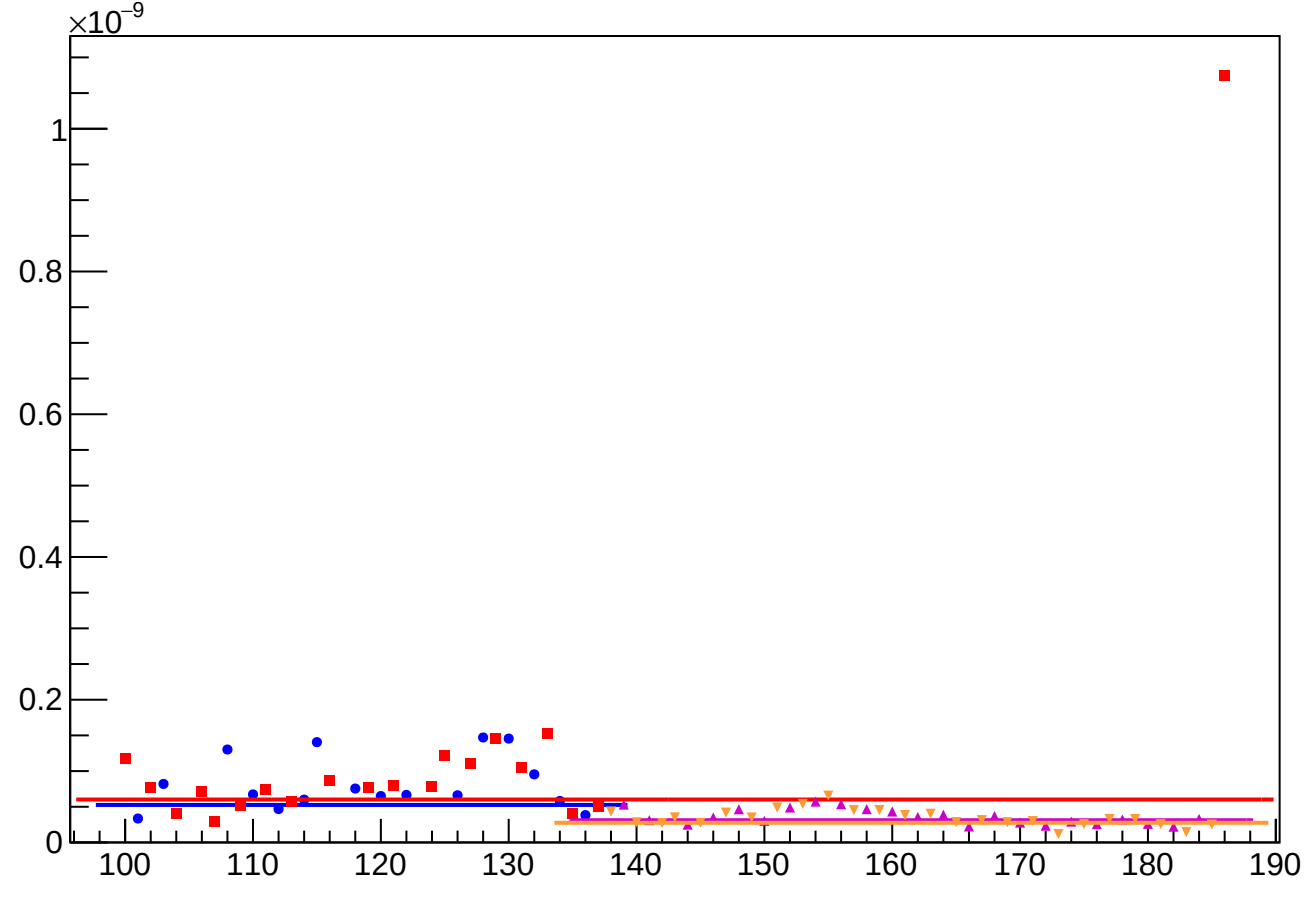
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.7/35

In: 0.000+/-0.000 χ^2/NDF:45.0/38

Out: -0.000+/-0.000 χ^2/NDF:46.0/44

All: -0.000+/-0.000 χ^2/NDF: 91.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

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

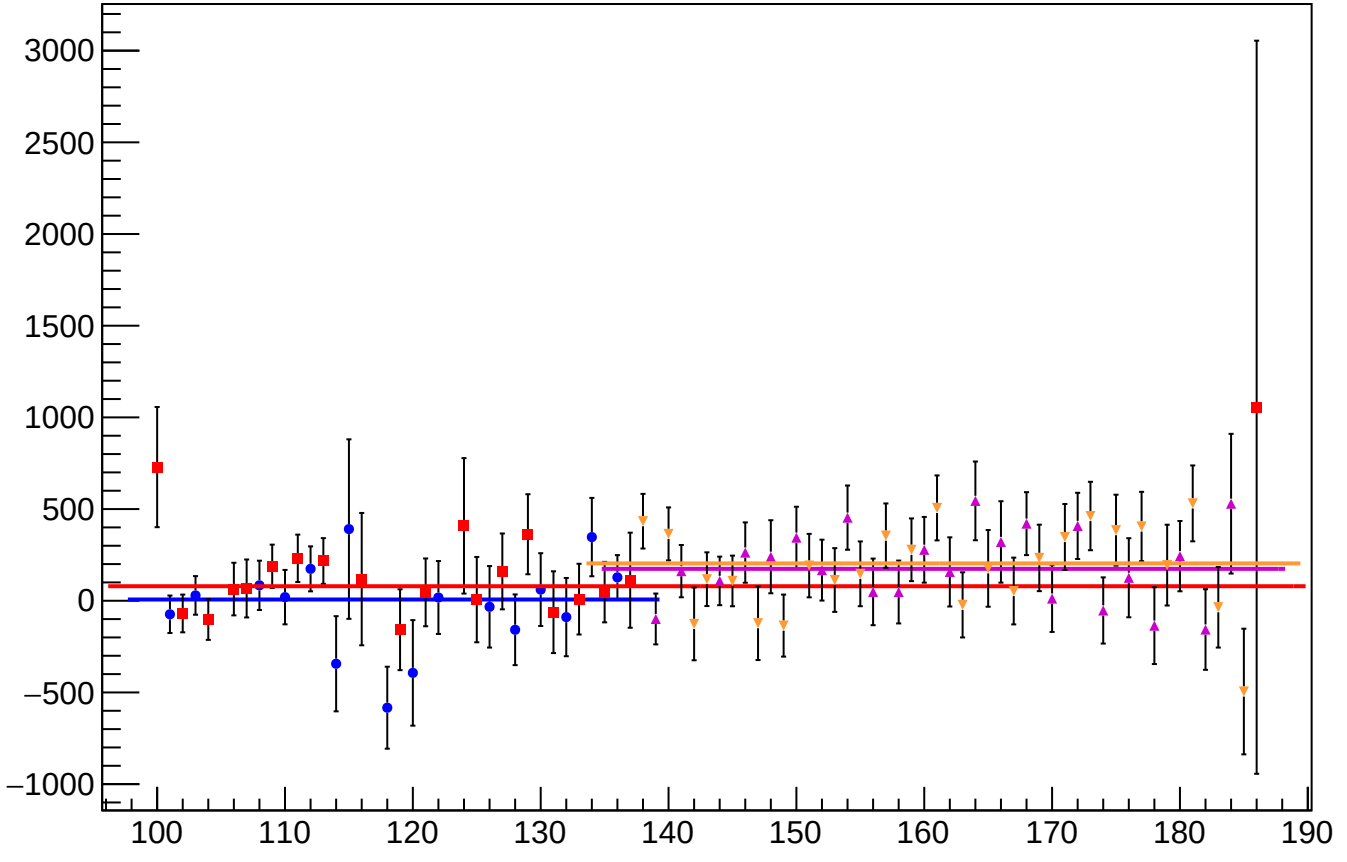
Right: 0.000+/-0.000 χ^2/NDF: 3430700.9/35

In: 0.000+/-0.000 χ^2/NDF:4786957.0/38

Out: 0.000+/-0.000 χ^2/NDF:7762294.3/44

All: 0.000+/-0.000 χ^2/NDF: 12725694.2/83

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

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

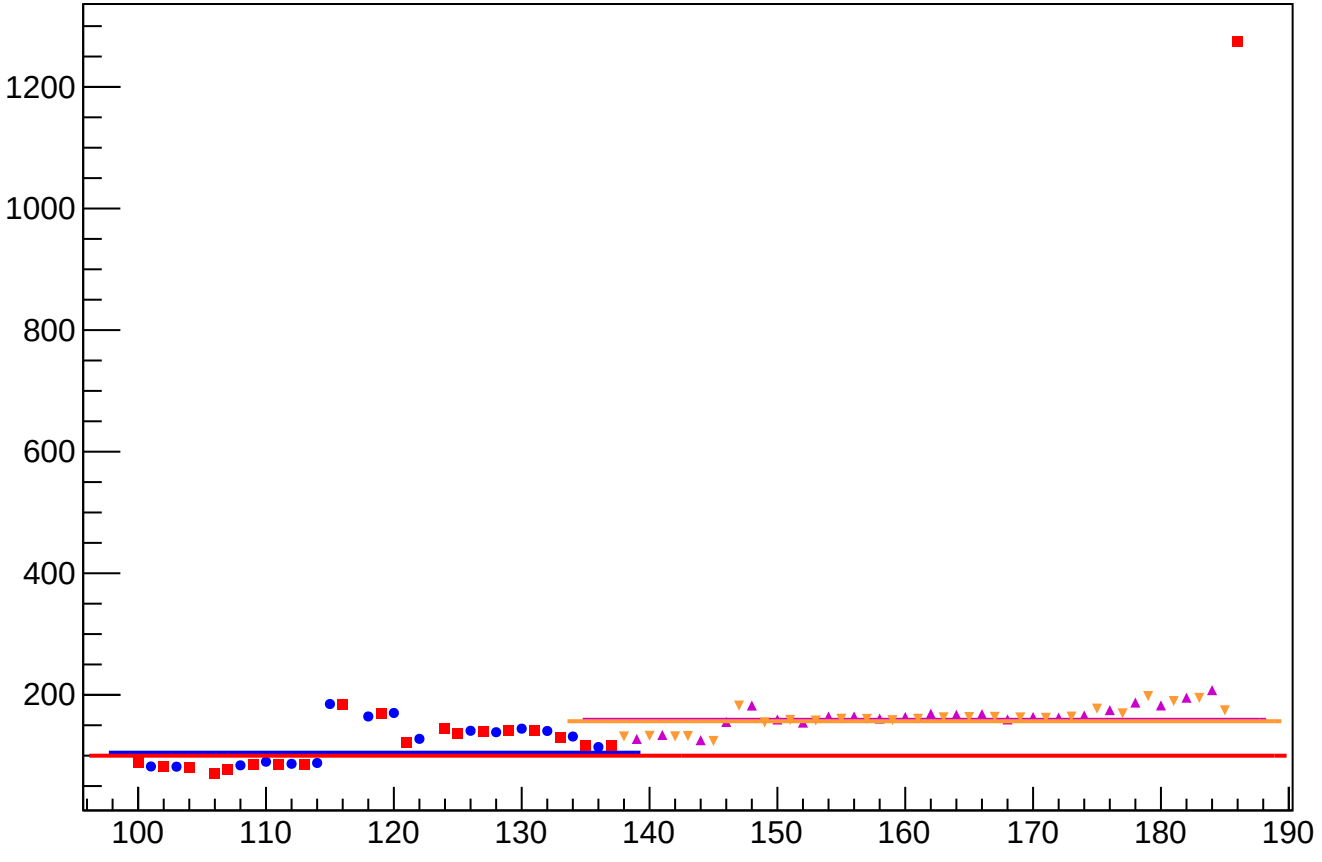
Right: 45.291+/-27.625 χ^2/NDF: 37.4/35

In: 96.720+/-27.432 χ^2/NDF:52.5/38

Out: 144.906+/-26.055 χ^2/NDF:55.5/44

All: 122.054+/-18.892 χ^2/NDF: 109.6/83

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

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

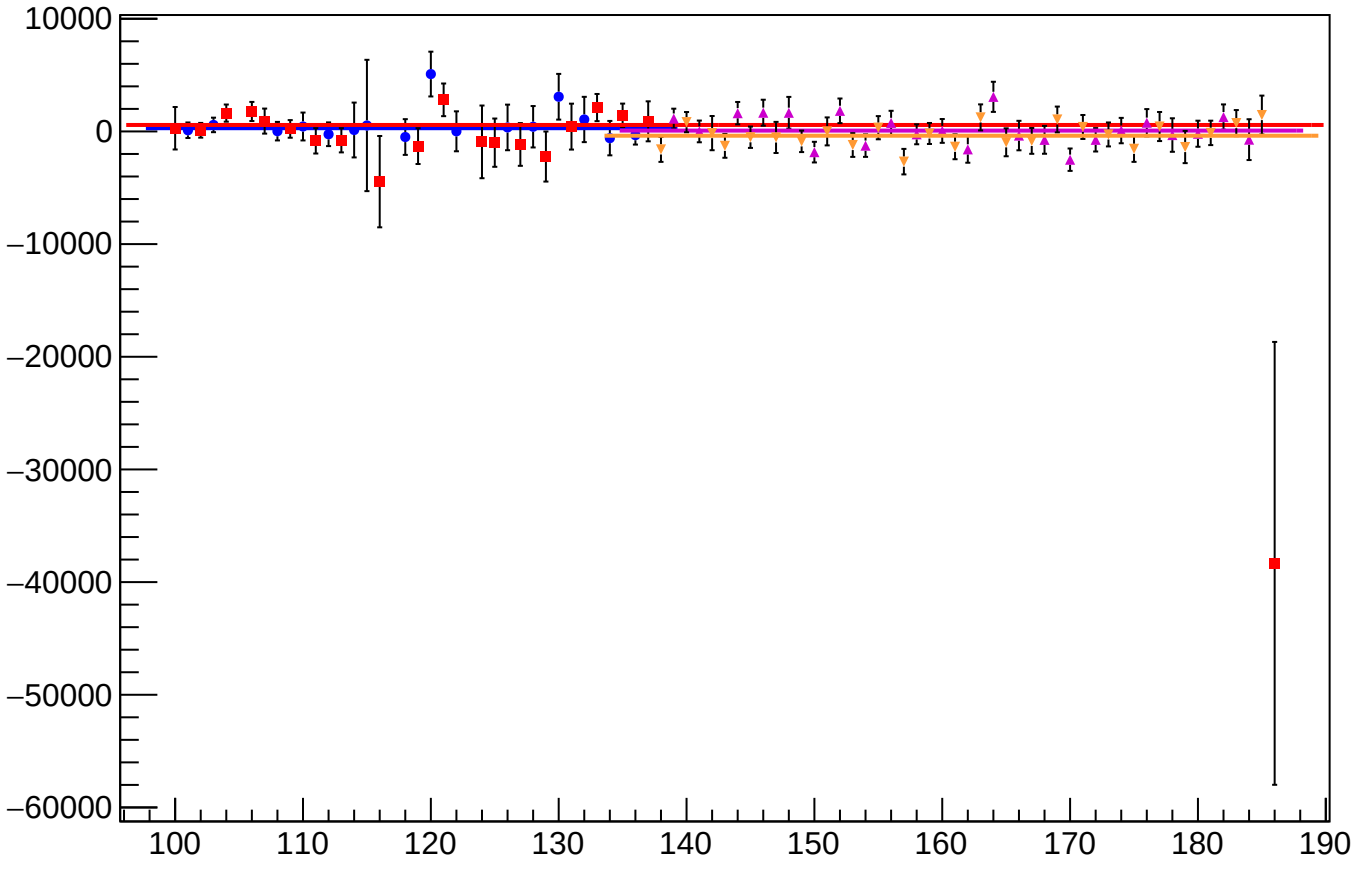
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 102.240+/-0.020 χ^2/NDF: 2677042.1/35

In: 133.953+/-0.019 χ^2/NDF:3375443.9/38

Out: 129.836+/-0.018 χ^2/NDF:4673825.2/44

All: 131.789+/-0.013 χ^2/NDF: 8072950.2/83



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

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

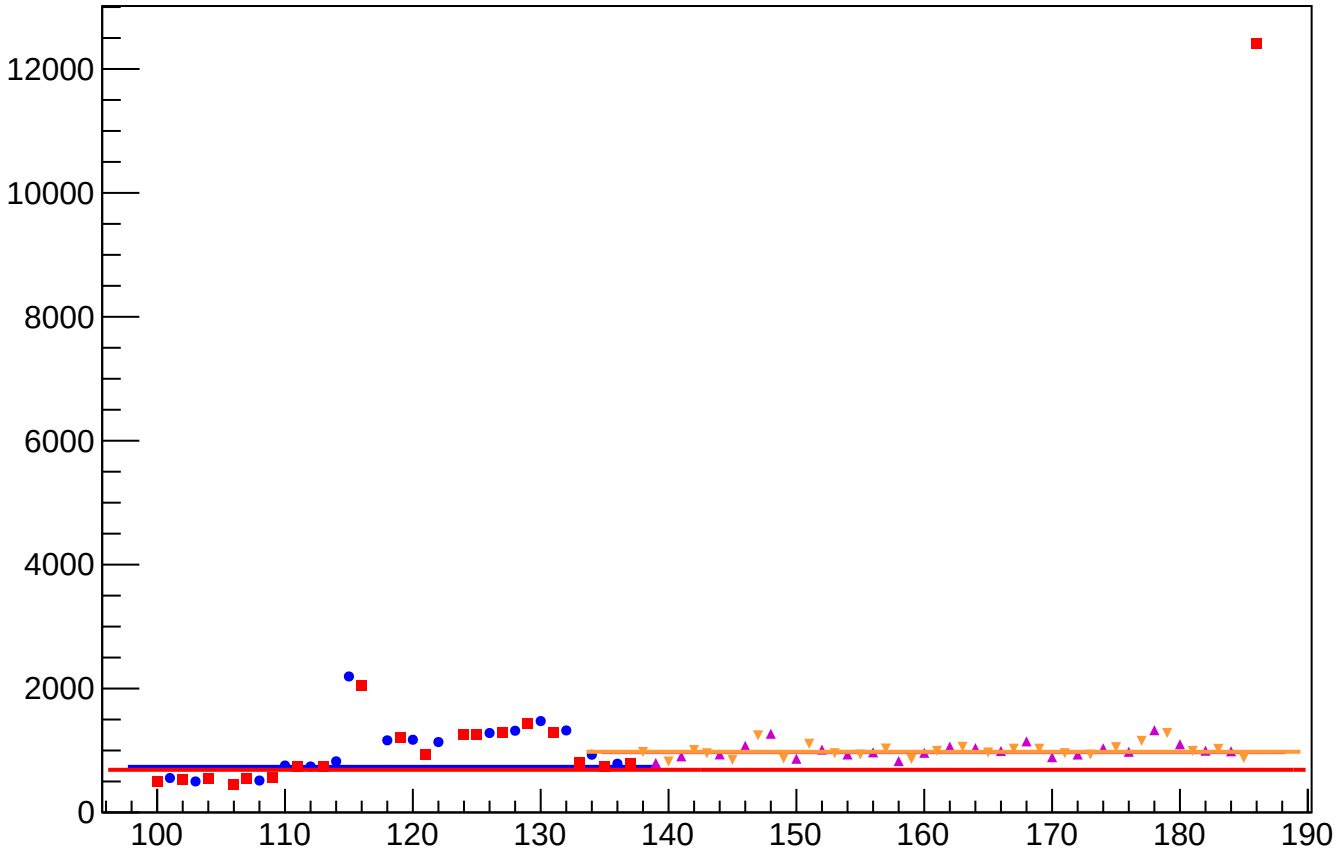
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 442.467+/-198.600 χ^2/NDF: 32.9/35

In: 155.195+/-180.925 χ^2/NDF:43.1/38

Out: 10.042+/-172.582 χ^2/NDF:48.8/44

All: 79.194+/-124.879 χ^2/NDF: 92.2/83



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

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

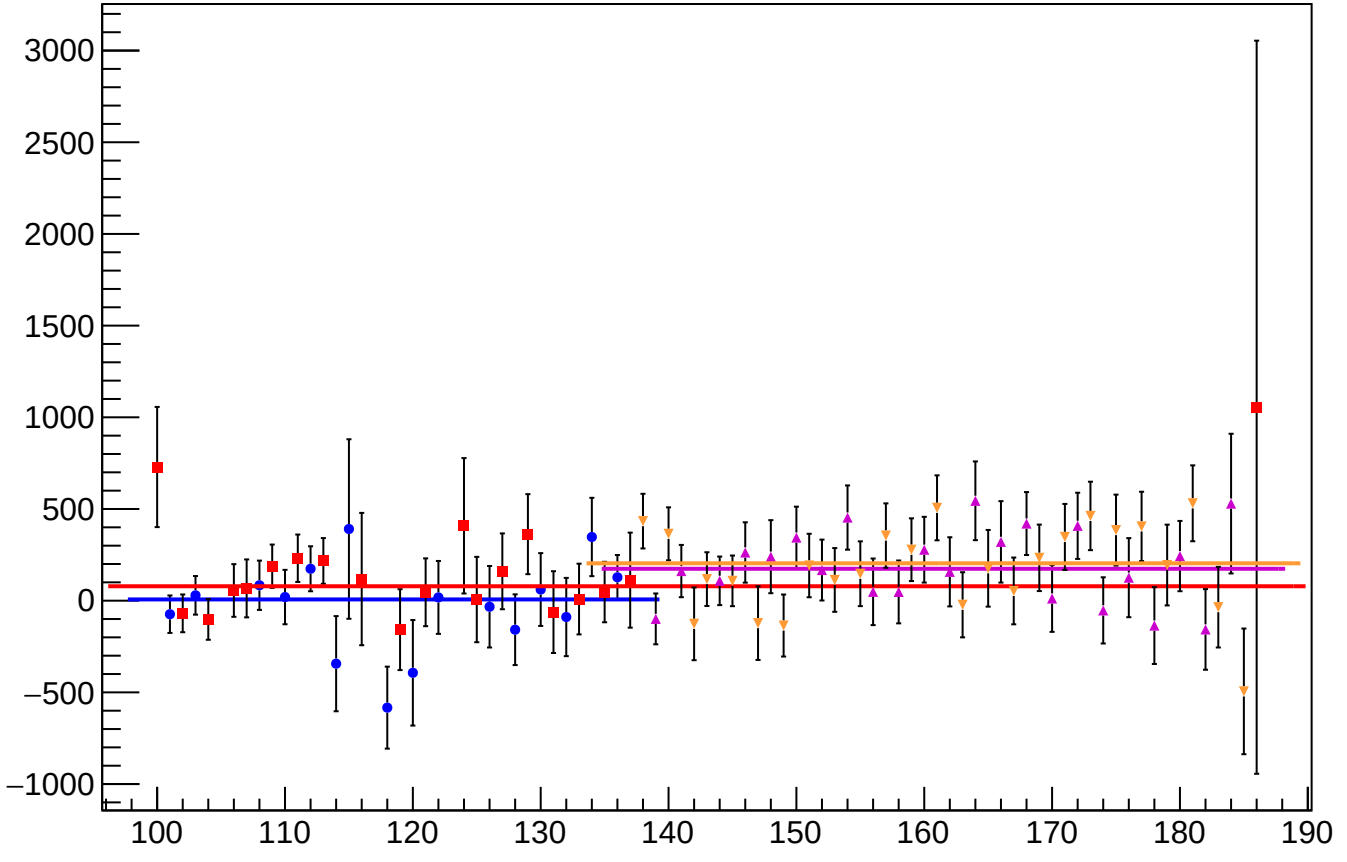
Right: 710.191+/-0.140 χ^2/NDF: 4403186.6/35

In: 883.463+/-0.128 χ^2/NDF:3156722.1/38

Out: 860.081+/-0.122 χ^2/NDF:4332648.2/44

All: 871.221+/-0.088 χ^2/NDF: 7506859.2/83

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

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

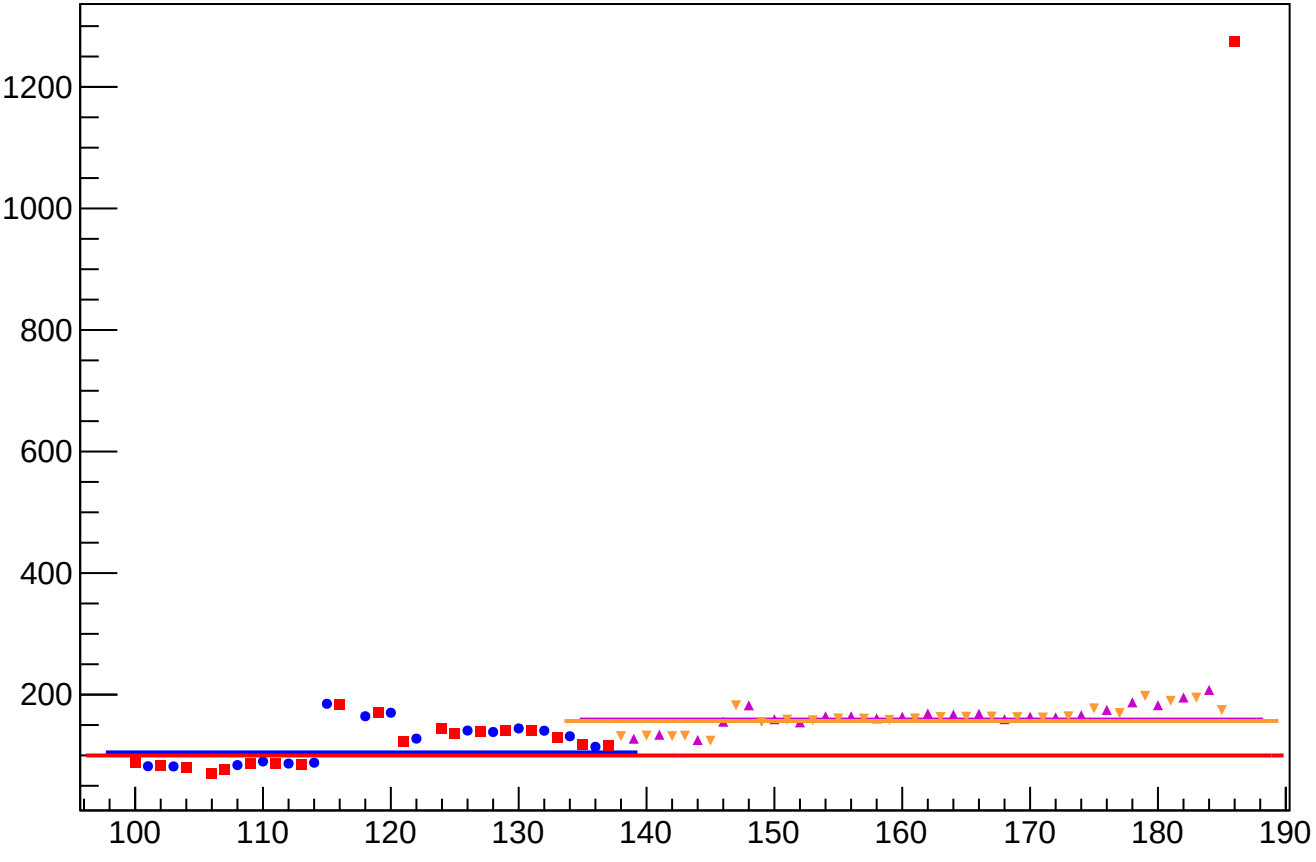
Right: 44.999+/-27.627 χ^2/NDF: 37.4/35

In: 96.717+/-27.432 χ^2/NDF:52.5/38

Out: 144.661+/-26.056 χ^2/NDF:55.5/44

All: 121.922+/-18.892 χ^2/NDF: 109.7/83

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

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

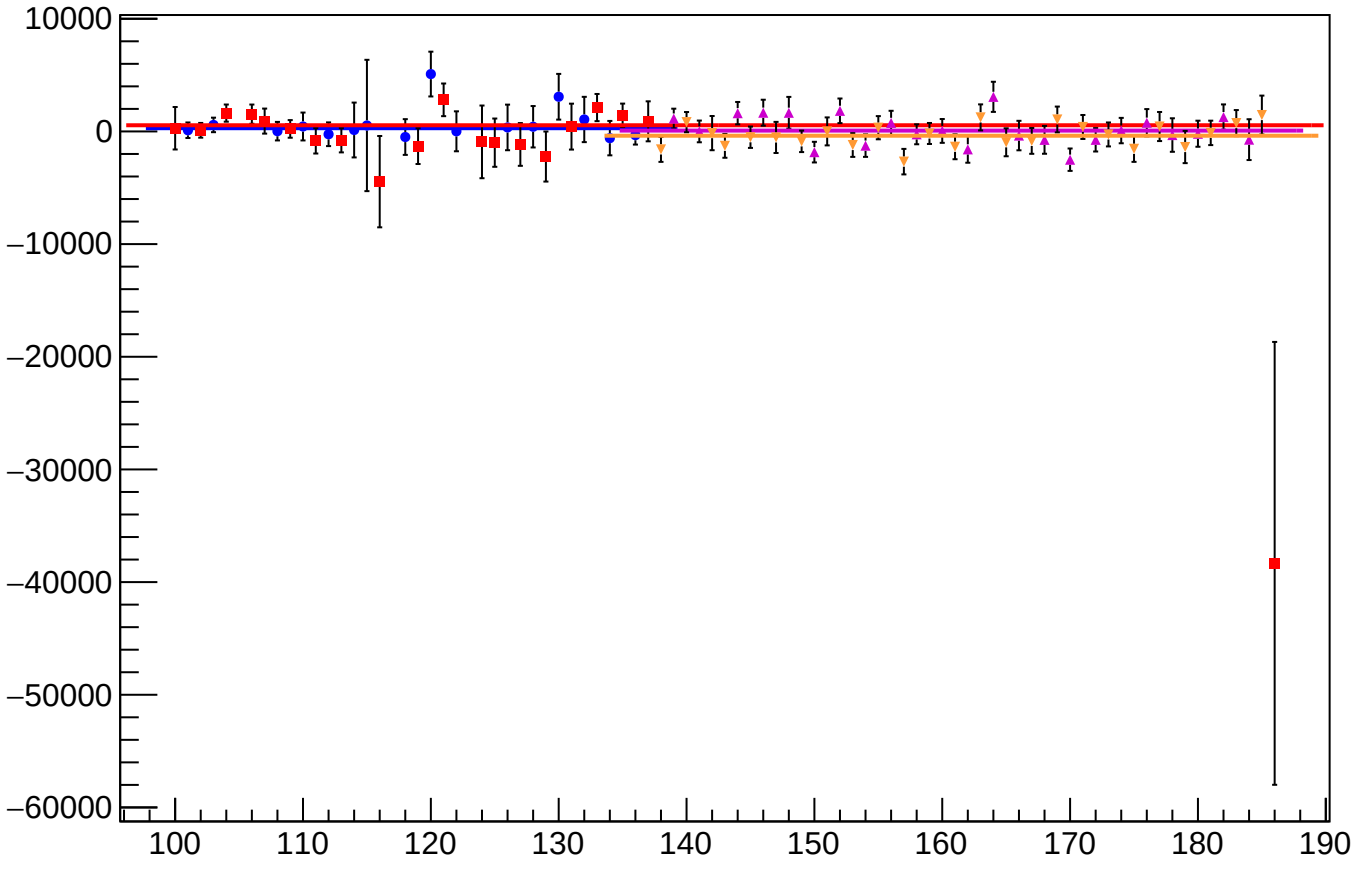
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 102.228+/-0.020 χ^2/NDF: 2679409.0/35

In: 133.953+/-0.019 χ^2/NDF:3375441.9/38

Out: 129.827+/-0.018 χ^2/NDF:4677848.2/44

All: 131.784+/-0.013 χ^2/NDF: 8077077.2/83



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

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

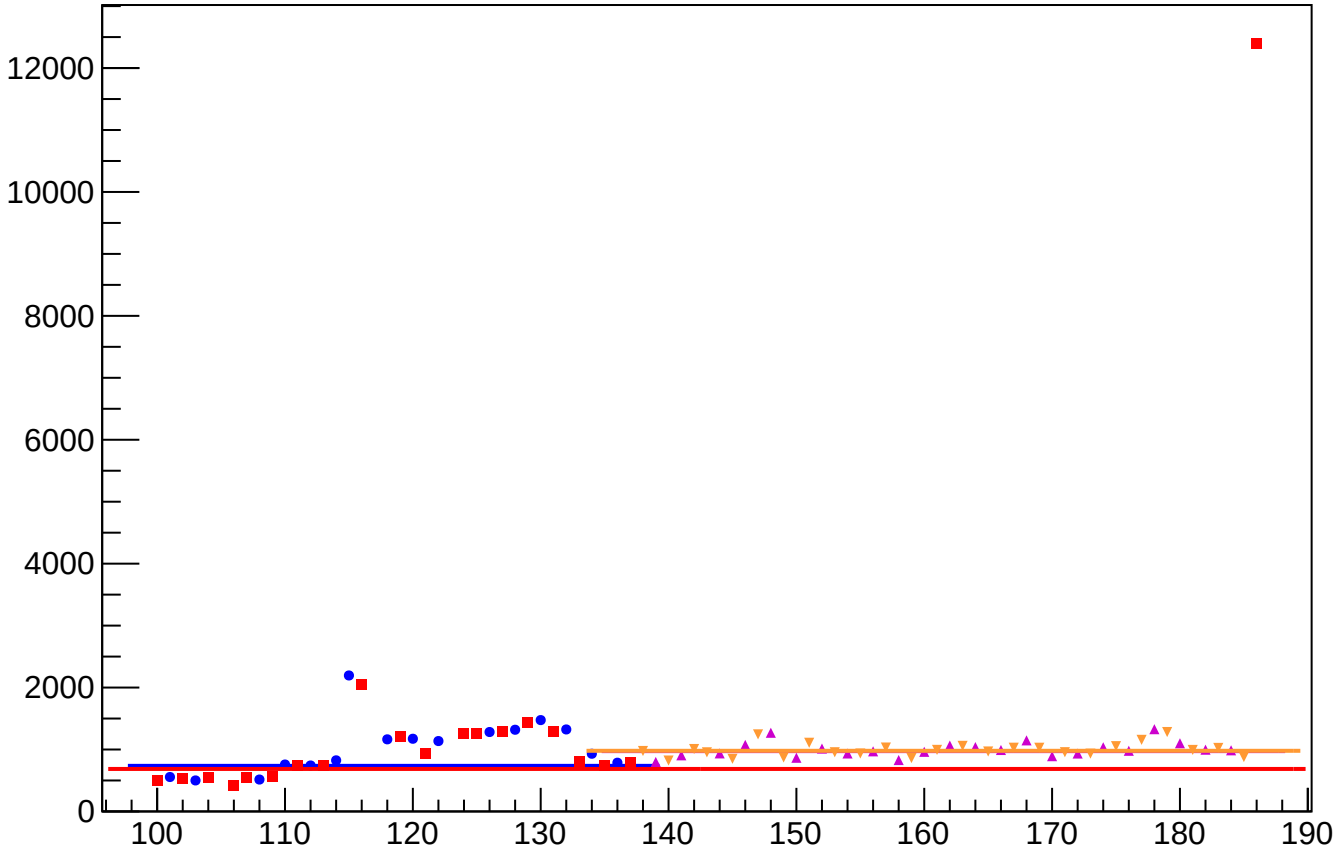
Right: 428.405+/-198.671 χ^2/NDF: 32.1/35

In: 155.195+/-180.925 χ^2/NDF:43.1/38

Out: -0.802+/-172.628 χ^2/NDF:47.7/44

All: 73.537+/-124.897 χ^2/NDF: 91.1/83

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

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

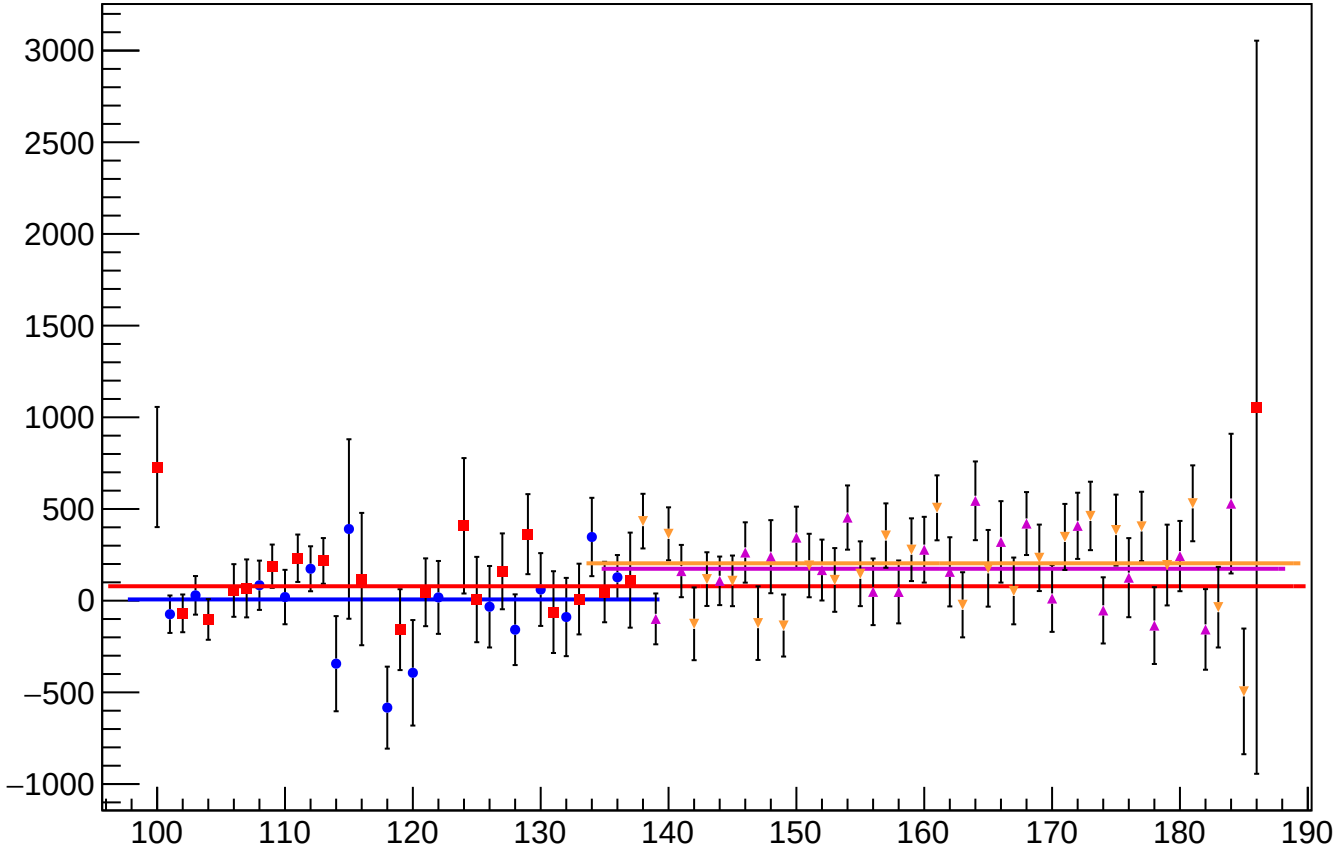
Right: 709.056+/-0.140 χ^2/NDF: 4437264.4/35

In: 883.463+/-0.128 χ^2/NDF:3156730.8/38

Out: 859.306+/-0.122 χ^2/NDF:4383177.5/44

All: 870.817+/-0.088 χ^2/NDF: 7558571.7/83

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

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

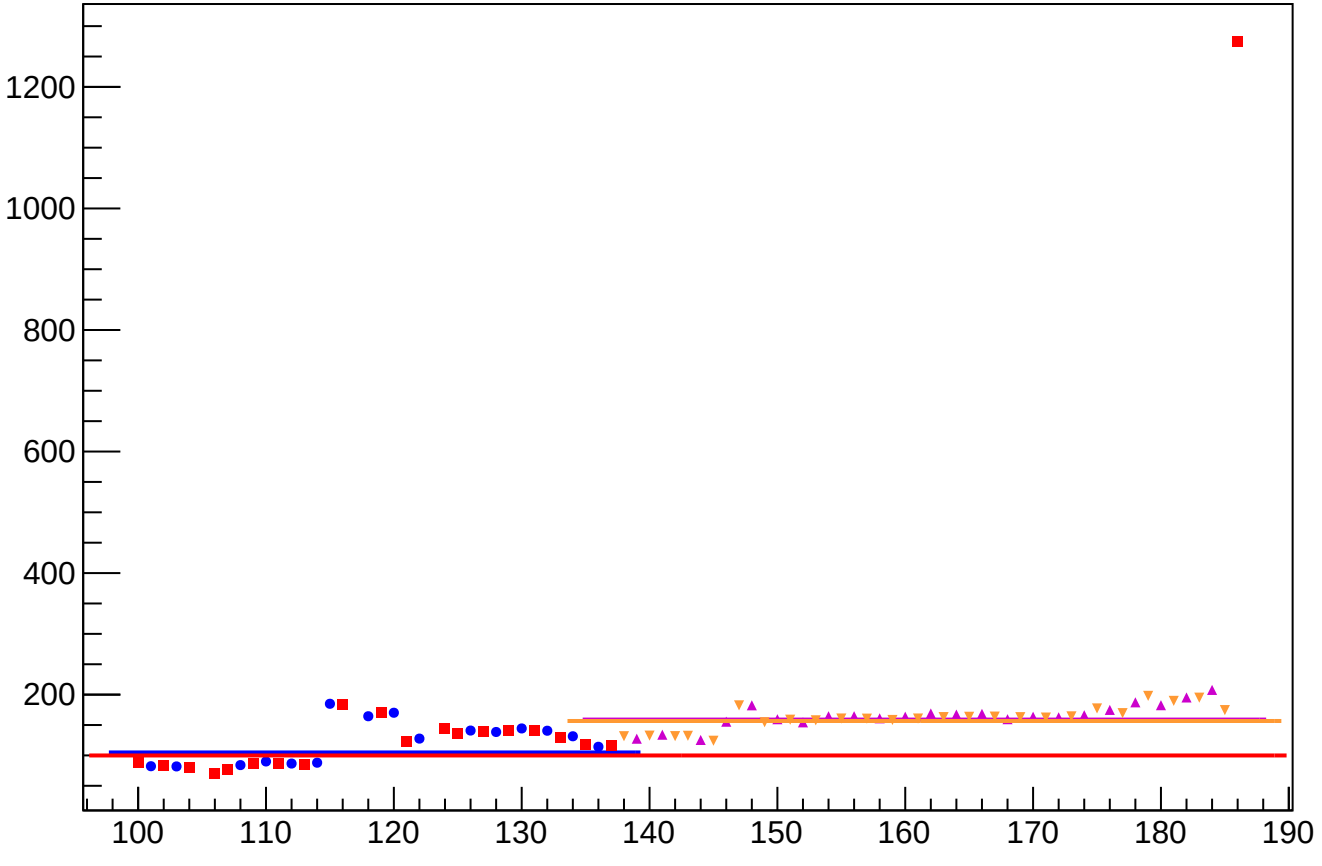
Right: 44.999+/-27.627 χ^2/NDF: 37.4/35

In: 96.717+/-27.432 χ^2/NDF:52.5/38

Out: 144.661+/-26.056 χ^2/NDF:55.5/44

All: 121.922+/-18.892 χ^2/NDF: 109.7/83

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

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

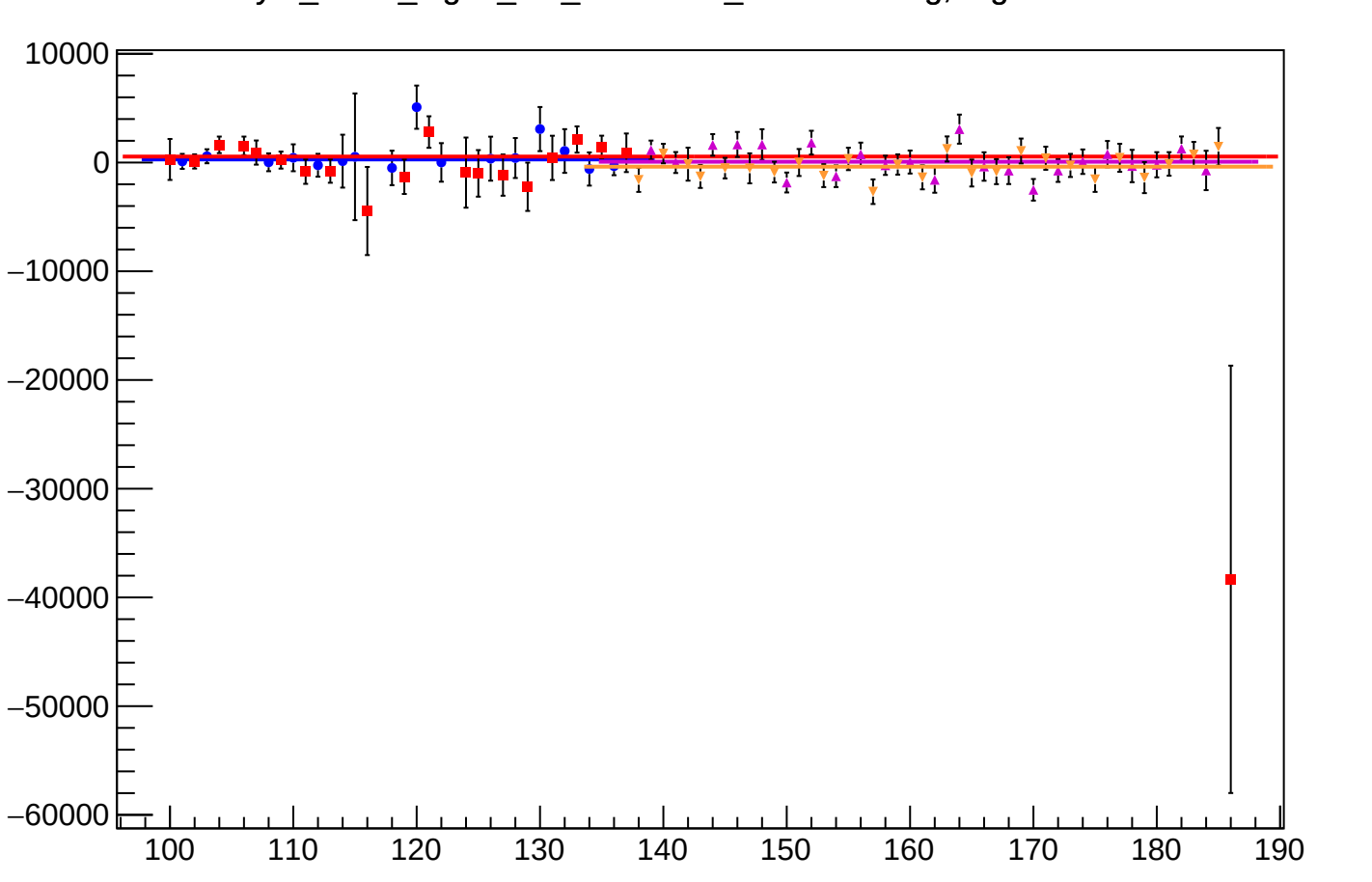
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 102.228+/-0.020 χ^2/NDF: 2679409.0/35

In: 133.953+/-0.019 χ^2/NDF:3375441.9/38

Out: 129.827+/-0.018 χ^2/NDF:4677848.2/44

All: 131.784+/-0.013 χ^2/NDF: 8077077.2/83



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

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

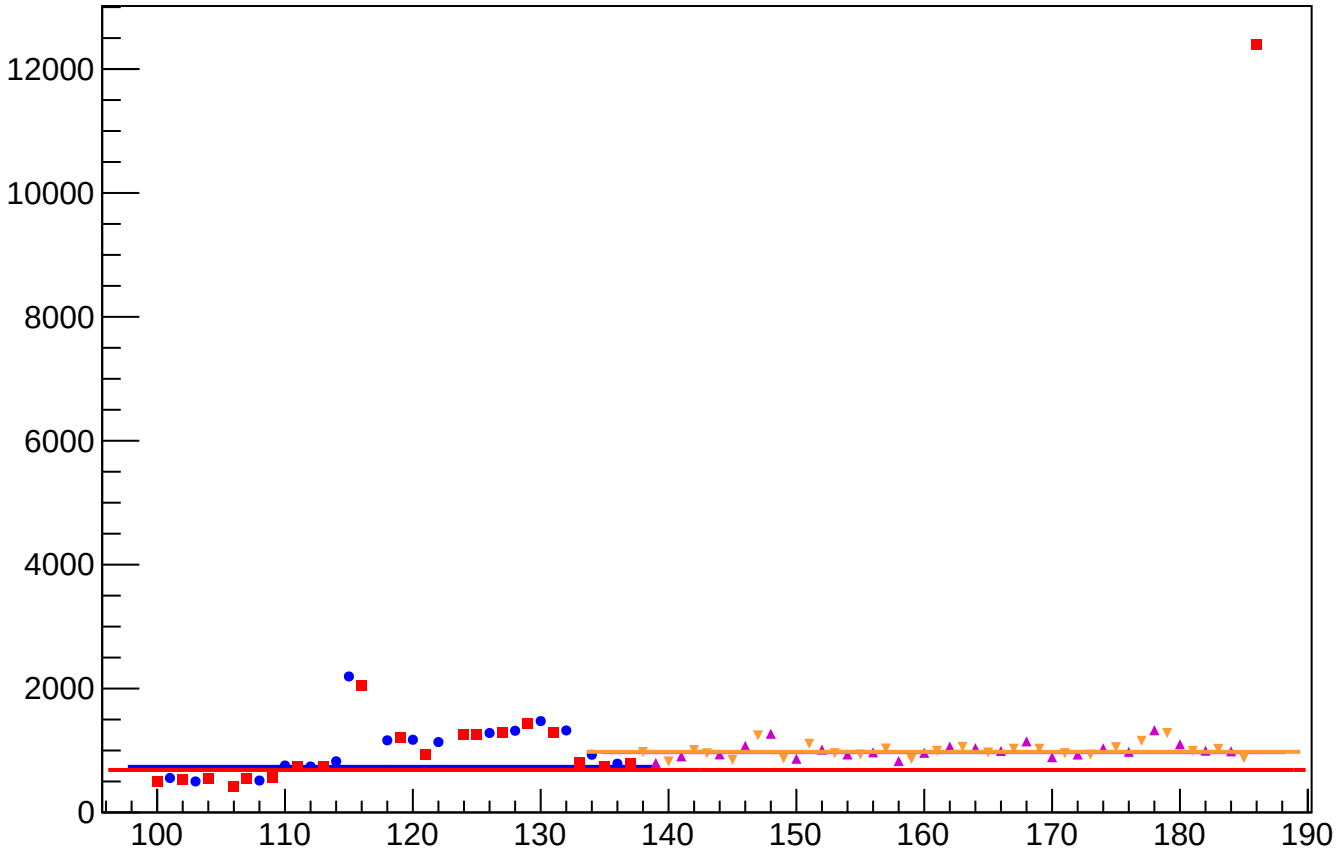
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 428.405+/-198.671 χ^2/NDF: 32.1/35

In: 155.195+/-180.925 χ^2/NDF:43.1/38

Out: -0.802+/-172.628 χ^2/NDF:47.7/44

All: 73.537+/-124.897 χ^2/NDF: 91.1/83



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

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

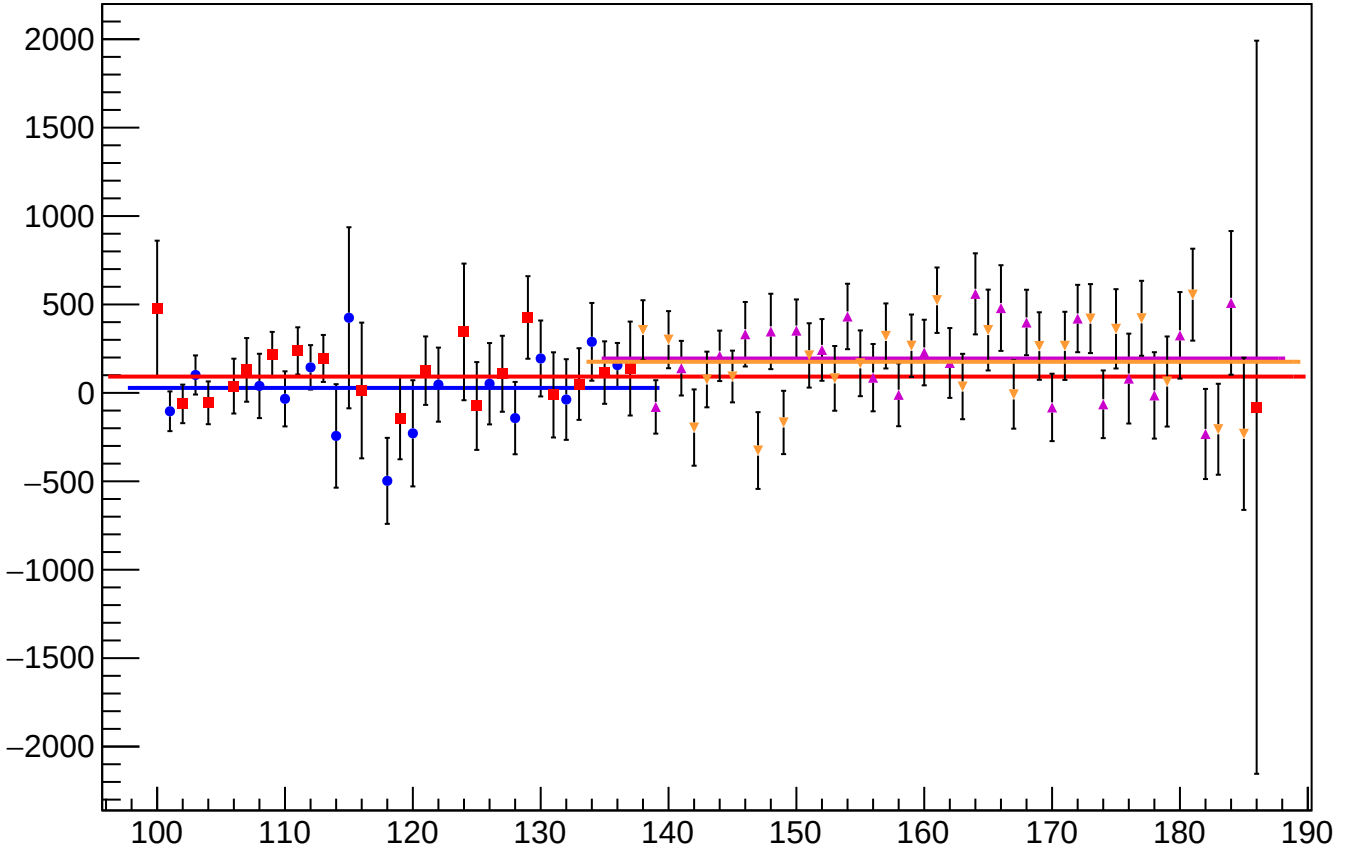
Right: 709.056+/-0.140 χ^2/NDF: 4437264.4/35

In: 883.463+/-0.128 χ^2/NDF:3156730.8/38

Out: 859.306+/-0.122 χ^2/NDF:4383177.5/44

All: 870.817+/-0.088 χ^2/NDF: 7558571.7/83

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

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

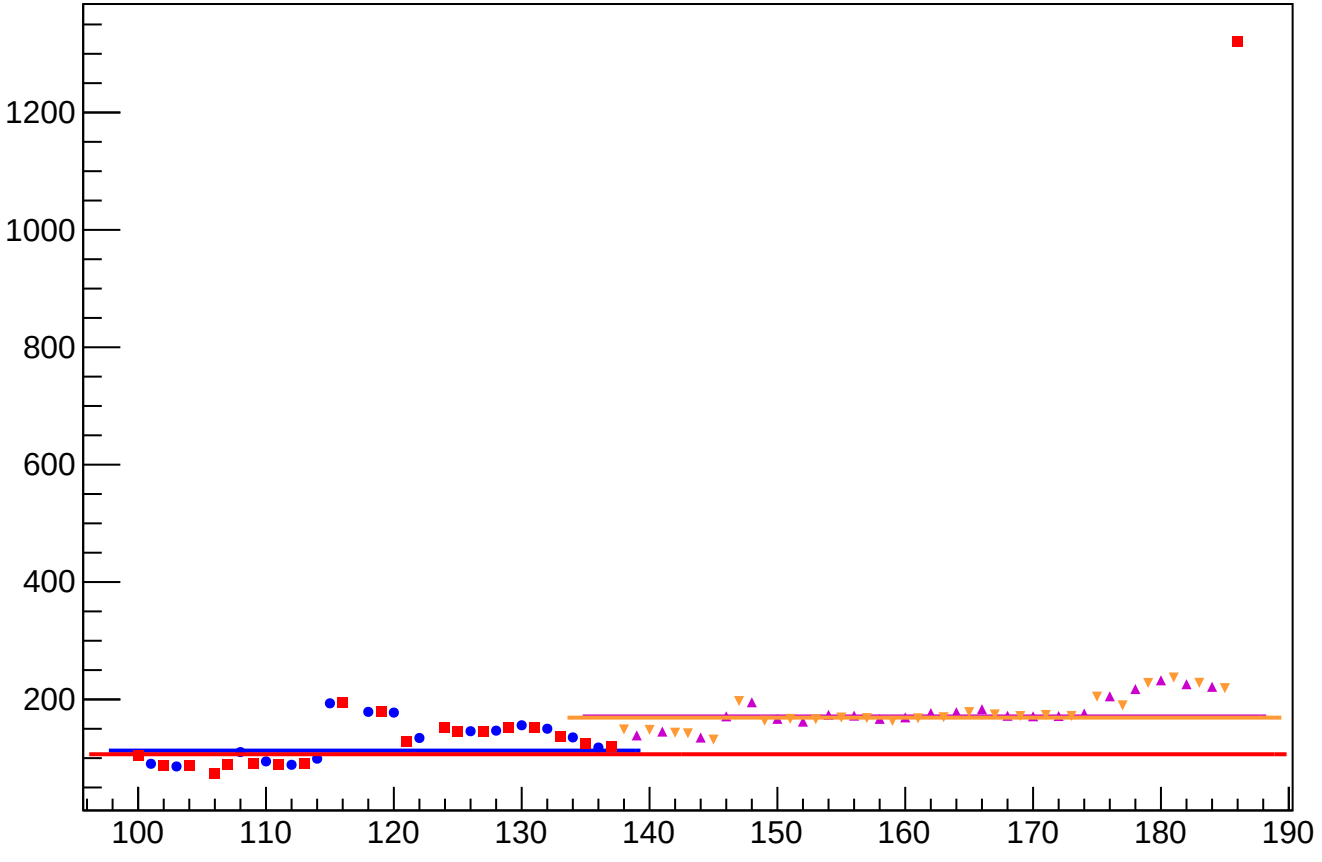
Right: 62.354+/-29.634 χ^2/NDF: 26.4/35

In: 117.260+/-29.577 χ^2/NDF:45.3/38

Out: 135.883+/-28.042 χ^2/NDF:44.7/44

All: 127.067+/-20.350 χ^2/NDF: 90.2/83

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

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

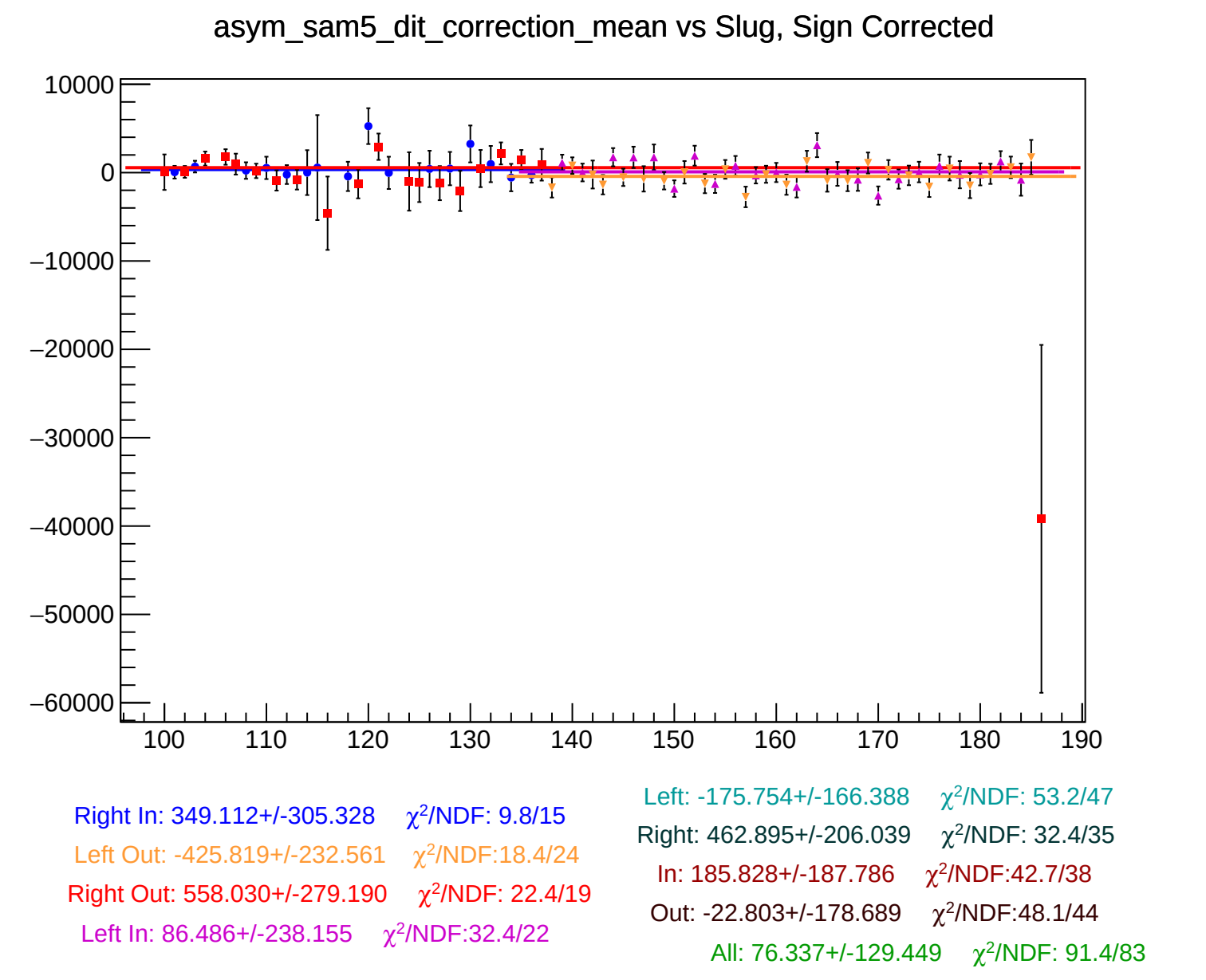
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 109.518+/-0.021 χ^2/NDF: 2582894.5/35

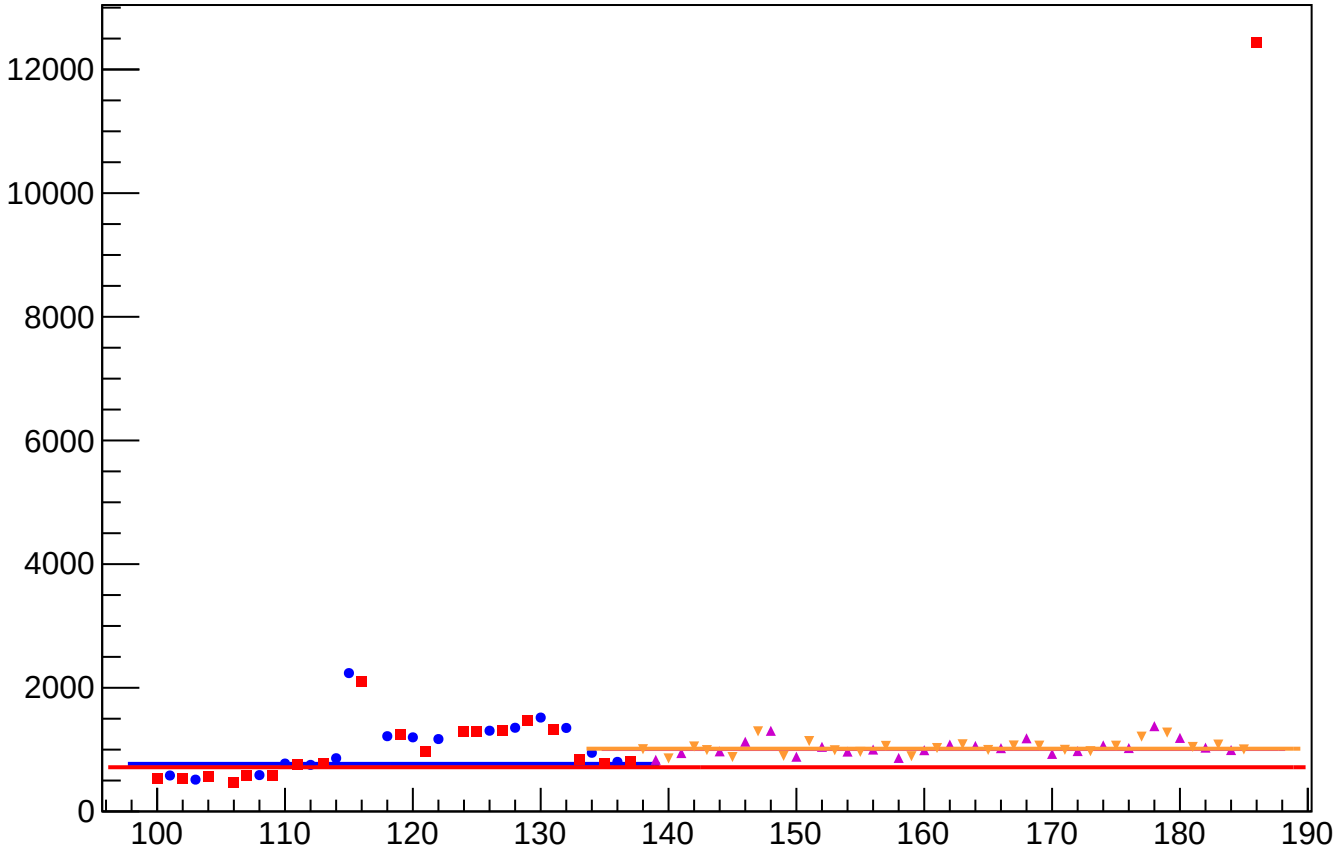
In: 144.050+/-0.021 χ^2/NDF:3474690.2/38

Out: 139.147+/-0.020 χ^2/NDF:4932935.4/44

All: 141.468+/-0.014 χ^2/NDF: 8436567.1/83


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: 349.112+/-305.328 χ²/NDF: 9.8/15
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: 462.895+/-206.039 χ²/NDF: 32.4/35
In: 185.828+/-187.786 χ²/NDF:42.7/38
Out: -22.803+/-178.689 χ²/NDF:48.1/44
All: 76.337+/-129.449 χ²/NDF: 91.4/83

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

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

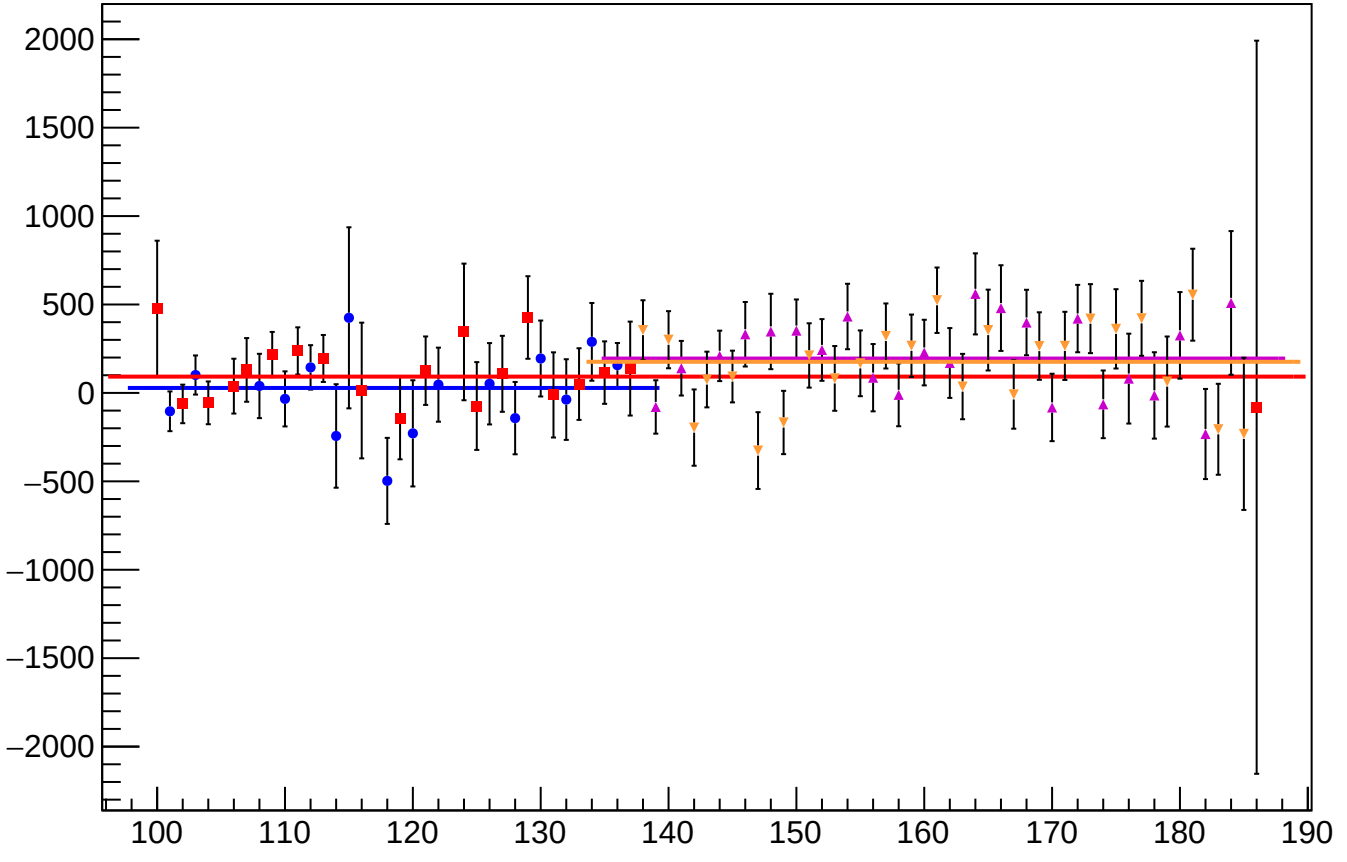
Right: 739.836+/-0.146 χ^2/NDF: 4250502.8/35

In: 918.846+/-0.133 χ^2/NDF:3007747.5/38

Out: 892.132+/-0.126 χ^2/NDF:4237593.7/44

All: 904.826+/-0.092 χ^2/NDF: 7266582.7/83

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

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

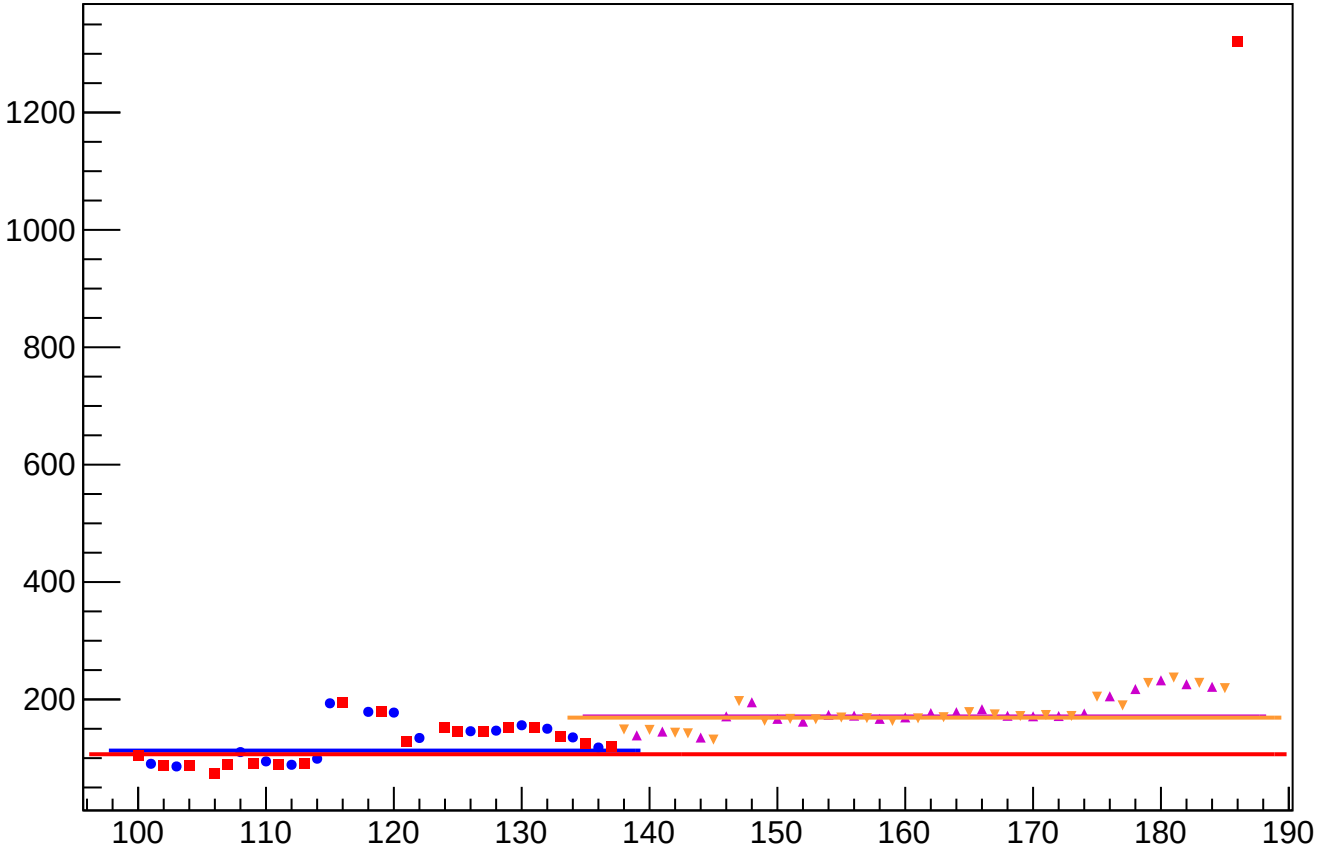
Right: 62.353+/-29.634 χ^2/NDF: 26.4/35

In: 117.259+/-29.577 χ^2/NDF:45.3/38

Out: 135.884+/-28.042 χ^2/NDF:44.7/44

All: 127.067+/-20.350 χ^2/NDF: 90.2/83

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

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

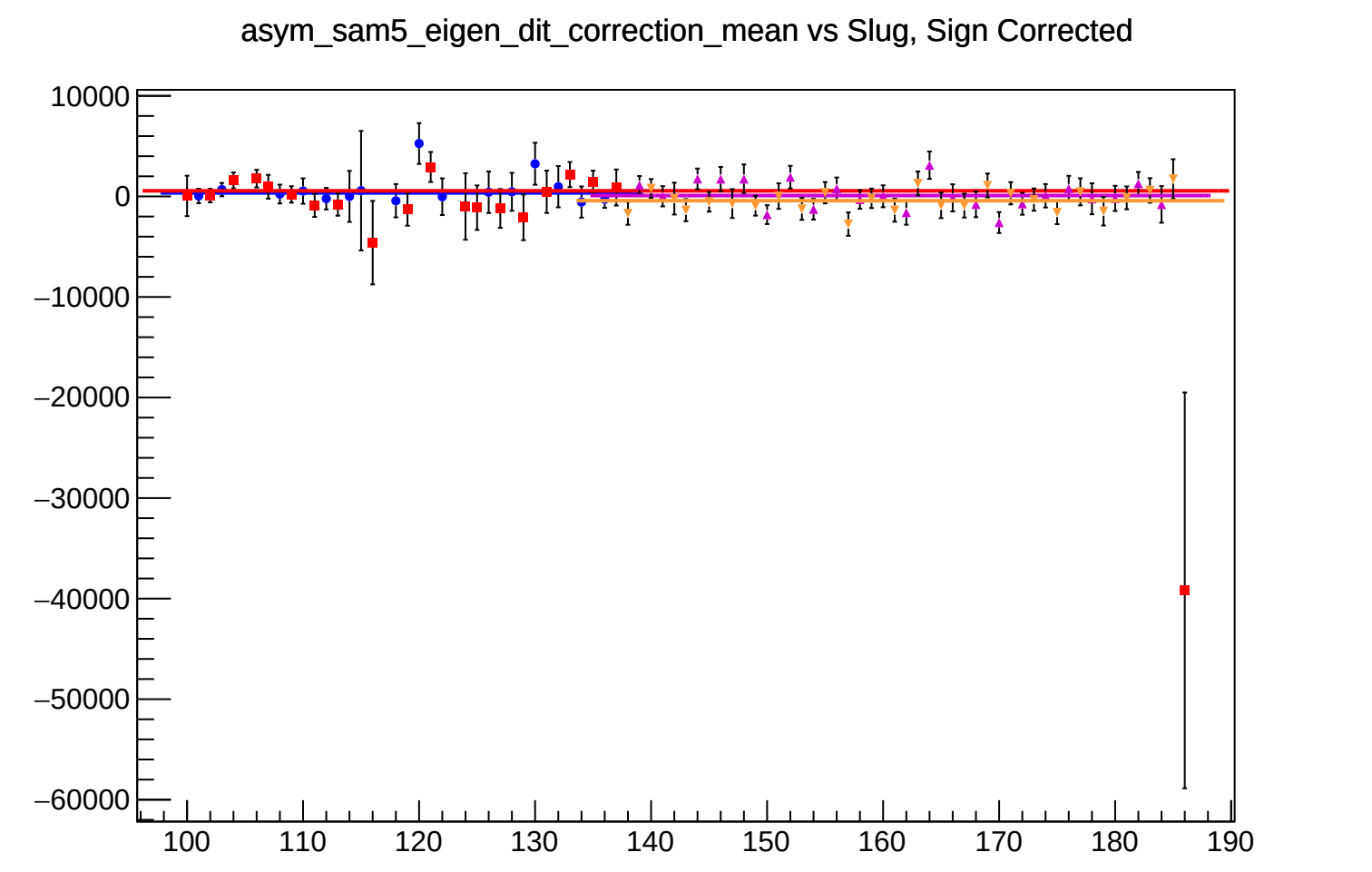
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 109.517+/-0.021 χ^2/NDF: 2582876.1/35

In: 144.049+/-0.021 χ^2/NDF:3474715.0/38

Out: 139.147+/-0.020 χ^2/NDF:4932941.8/44

All: 141.467+/-0.014 χ^2/NDF: 8436598.4/83



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

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

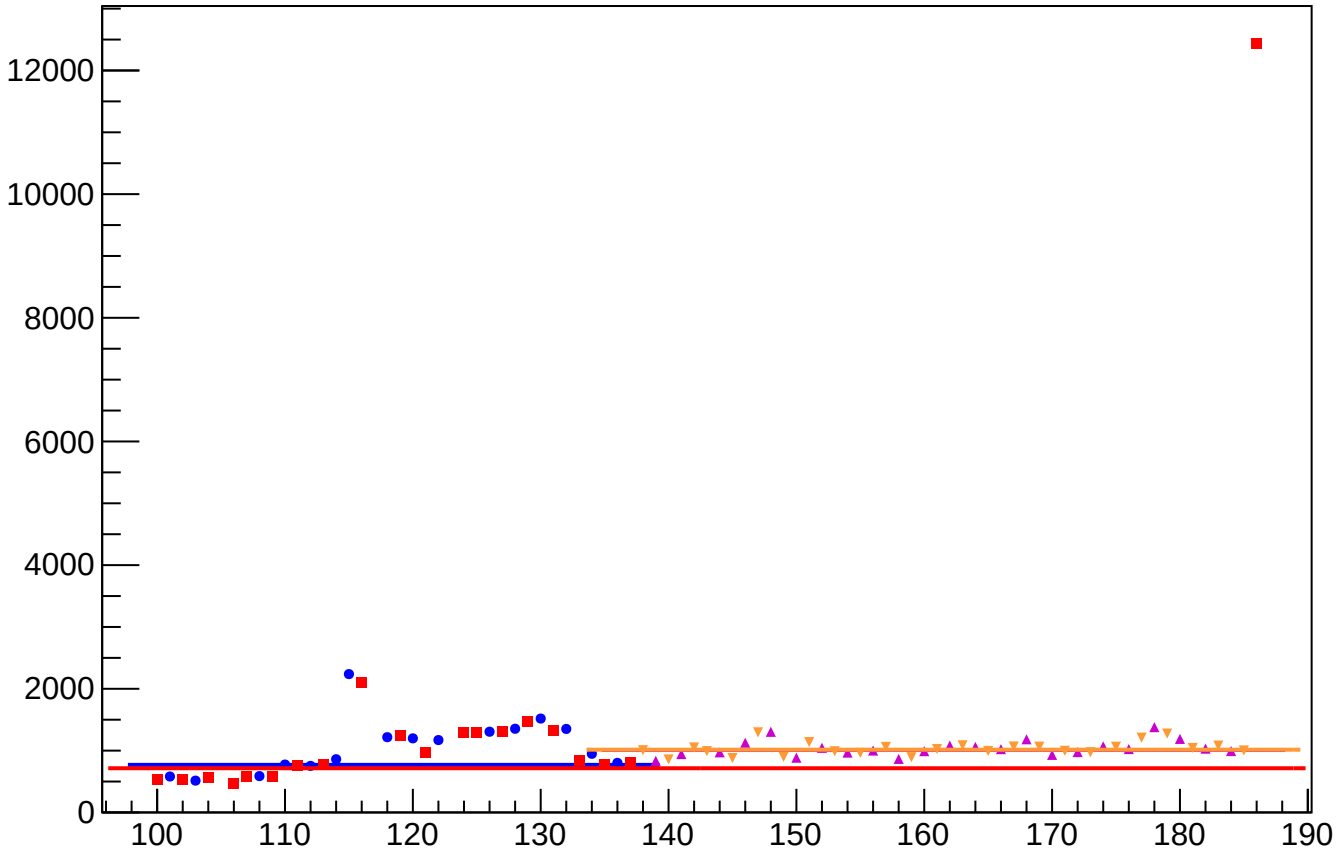
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 462.894+/-206.039 χ^2/NDF: 32.4/35

In: 185.828+/-187.786 χ^2/NDF:42.7/38

Out: -22.801+/-178.689 χ^2/NDF:48.1/44

All: 76.338+/-129.449 χ^2/NDF: 91.4/83



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

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

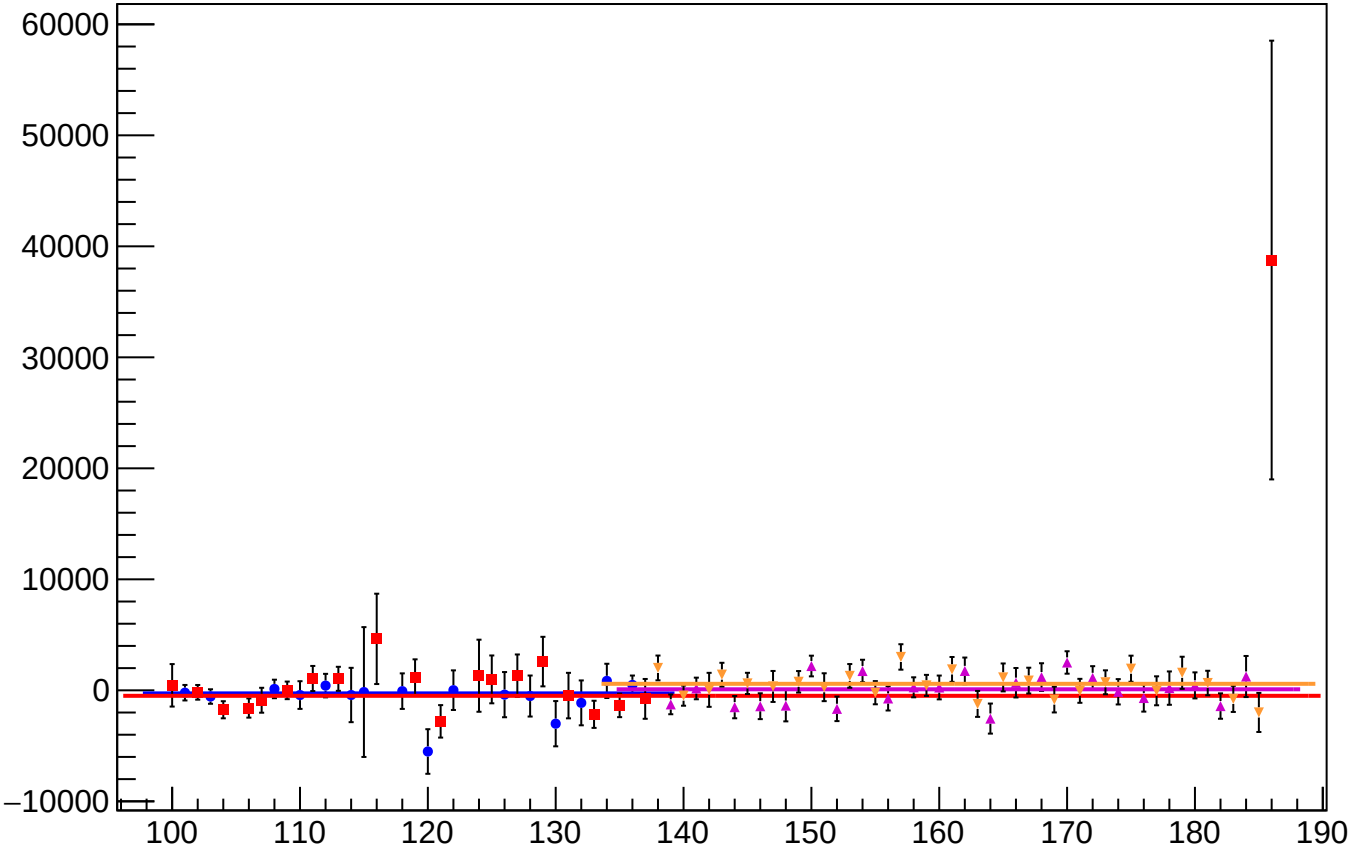
Right: 739.835+/-0.146 χ^2/NDF: 4250492.0/35

In: 918.846+/-0.133 χ^2/NDF:3007761.2/38

Out: 892.132+/-0.126 χ^2/NDF:4237606.2/44

All: 904.826+/-0.092 χ^2/NDF: 7266609.3/83

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

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

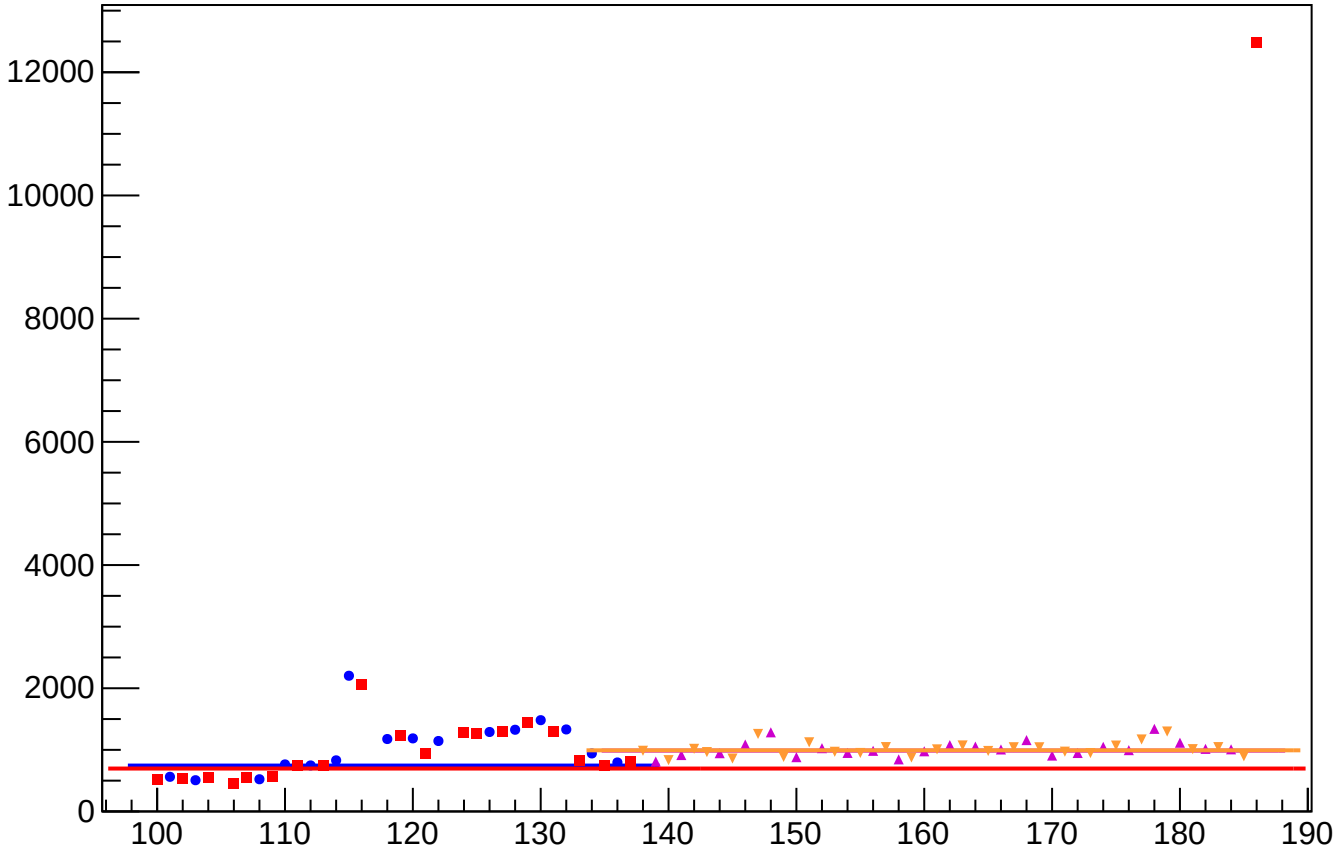
Right: -394.429+/-200.885 χ^2/NDF: 35.8/35

In: -48.036+/-183.260 χ^2/NDF:46.6/38

Out: 143.022+/-174.800 χ^2/NDF:54.4/44

All: 52.005+/-126.487 χ^2/NDF: 101.6/83

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

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

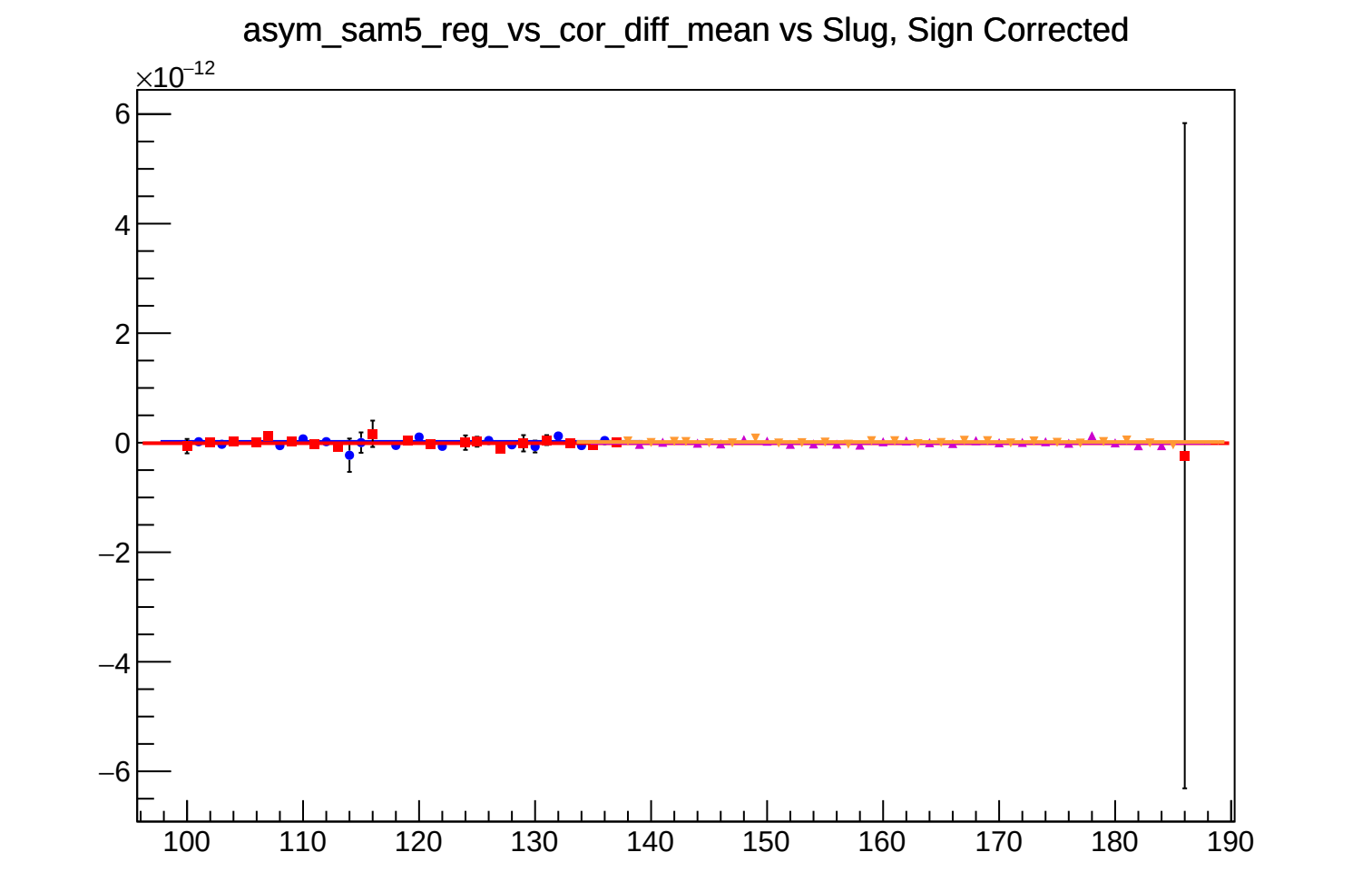
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 718.684+/-0.142 χ^2/NDF: 4365488.8/35

In: 895.083+/-0.130 χ^2/NDF:3140022.1/38

Out: 871.185+/-0.124 χ^2/NDF:4326202.5/44

All: 882.569+/-0.089 χ^2/NDF: 7484034.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/19

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

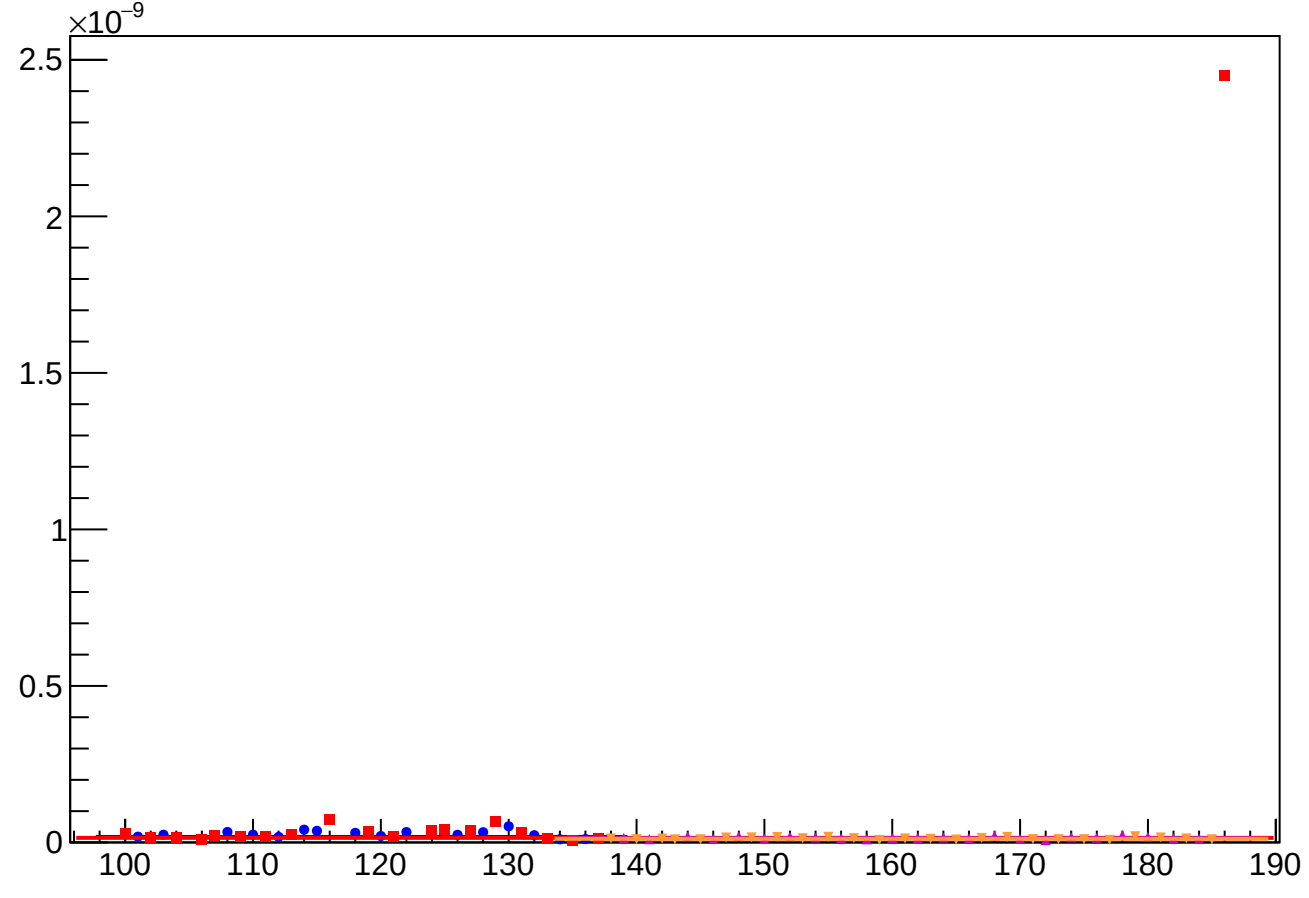
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 35.3/35

In: 0.000+/-0.000 χ^2/NDF:48.5/38

Out: 0.000+/-0.000 χ^2/NDF:42.1/44

All: 0.000+/-0.000 χ^2/NDF: 92.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 1156509.3/15

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

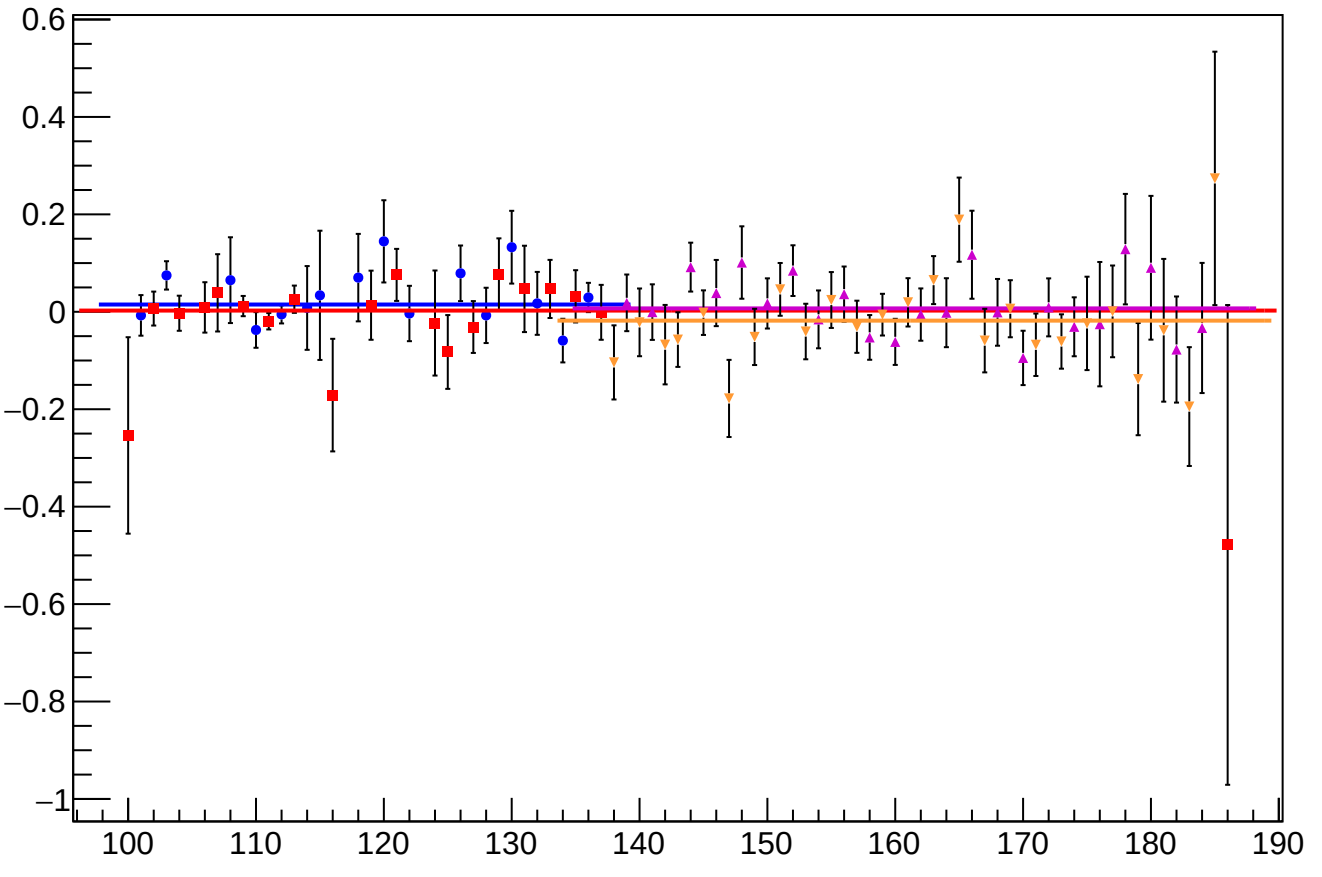
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3301182.0/35

In: 0.000+/-0.000 χ^2/NDF:2251843.0/38

Out: 0.000+/-0.000 χ^2/NDF:2988298.5/44

All: 0.000+/-0.000 χ^2/NDF: 5428275.0/83



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

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

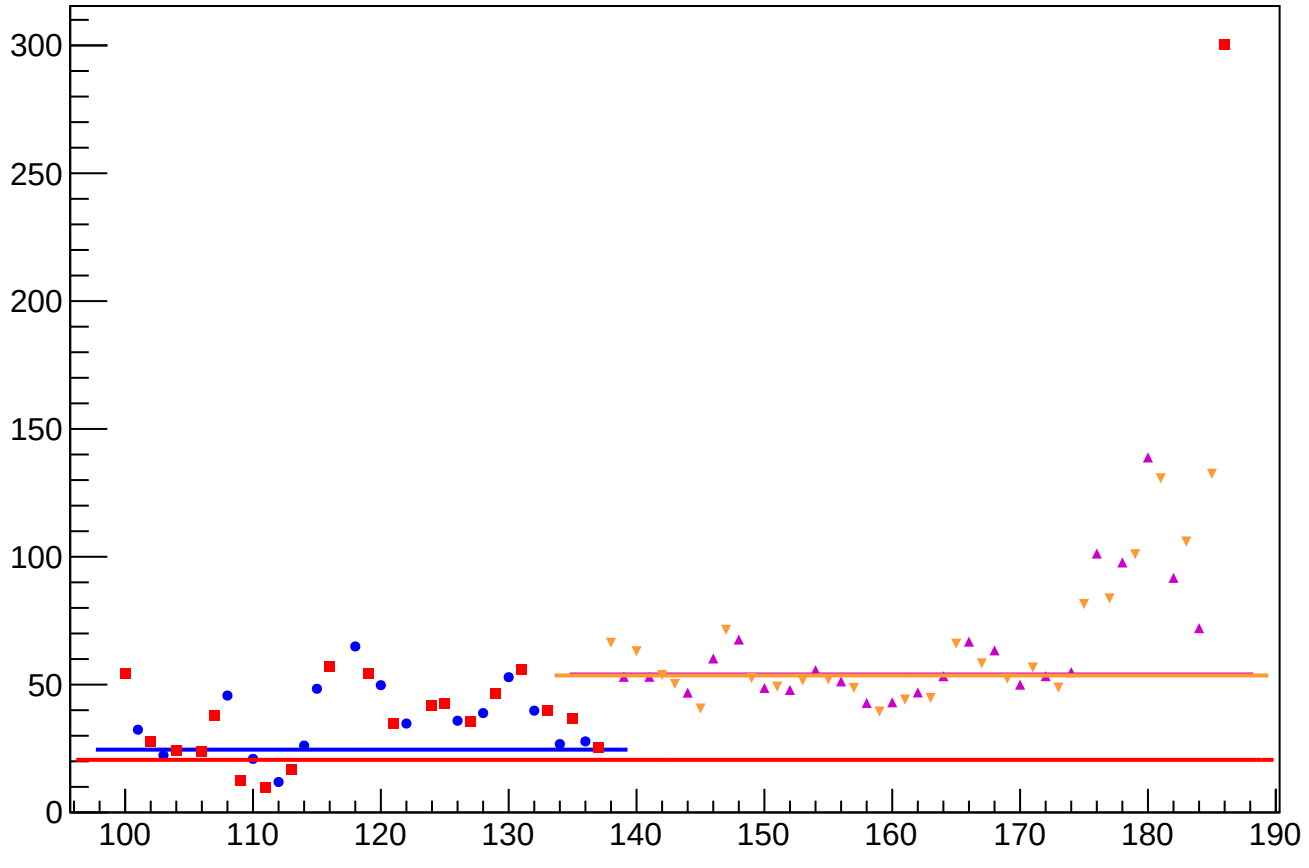
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/35

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/83



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

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

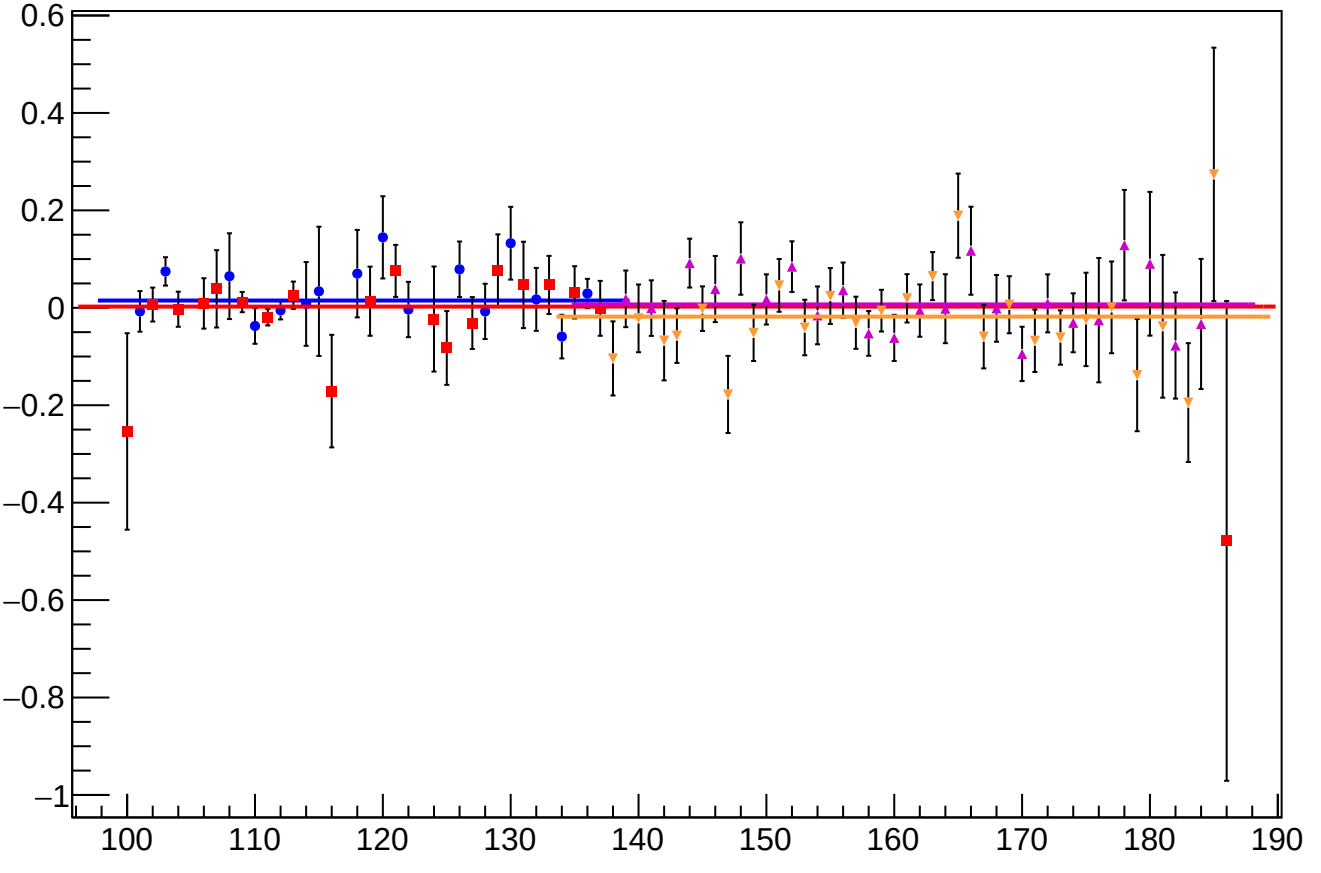
Right: 22.304+/-0.005 χ^2/NDF: 6875689.1/35

In: 36.081+/-0.006 χ^2/NDF:10563348.4/38

Out: 31.864+/-0.005 χ^2/NDF:15619602.0/44

All: 33.766+/-0.004 χ^2/NDF: 26469283.7/83

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.018+/-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

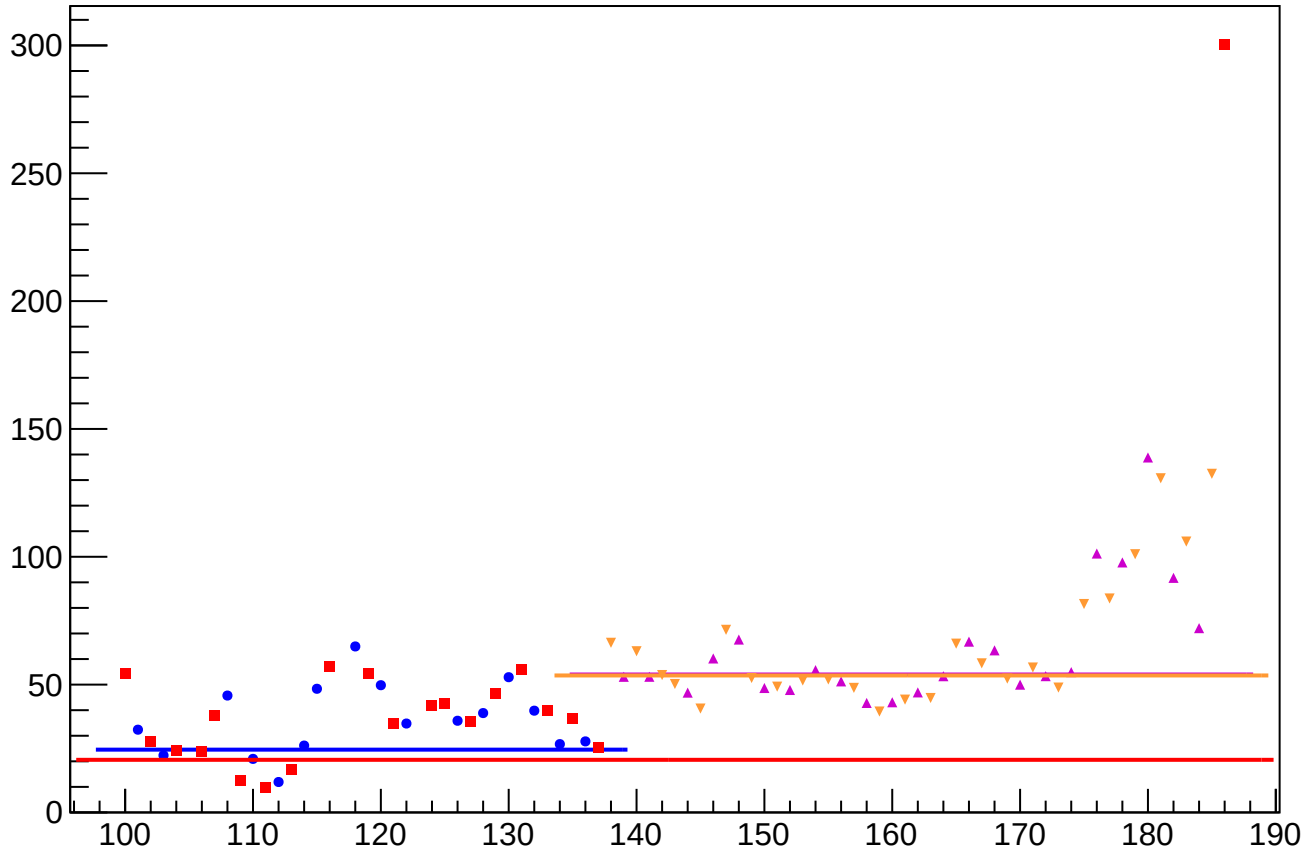
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/35

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/83



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

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

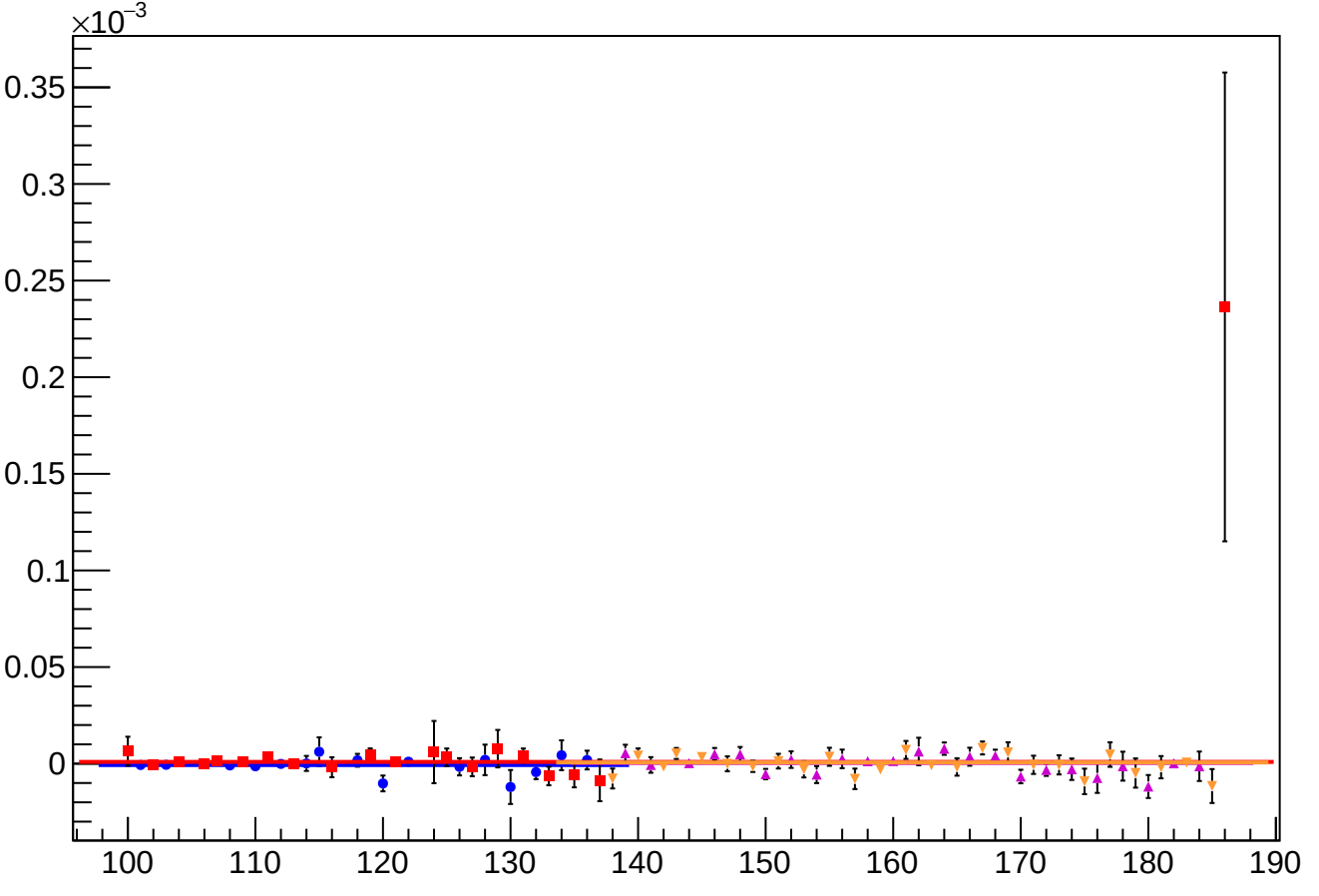
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 22.304+/-0.005 χ^2/NDF: 6875689.1/35

In: 36.081+/-0.006 χ^2/NDF:10563348.4/38

Out: 31.864+/-0.005 χ^2/NDF:15619602.0/44

All: 33.766+/-0.004 χ^2/NDF: 26469283.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

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

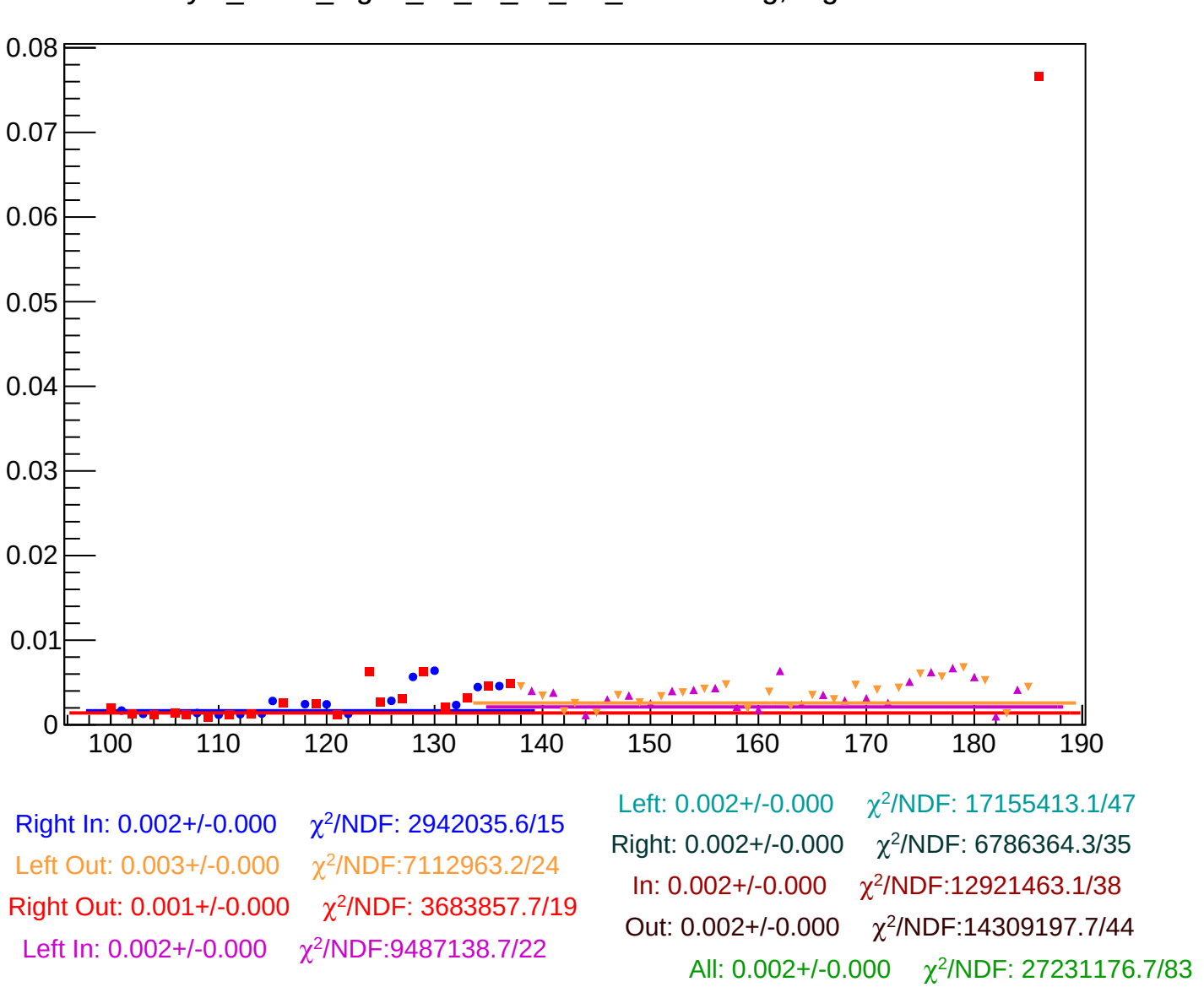
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

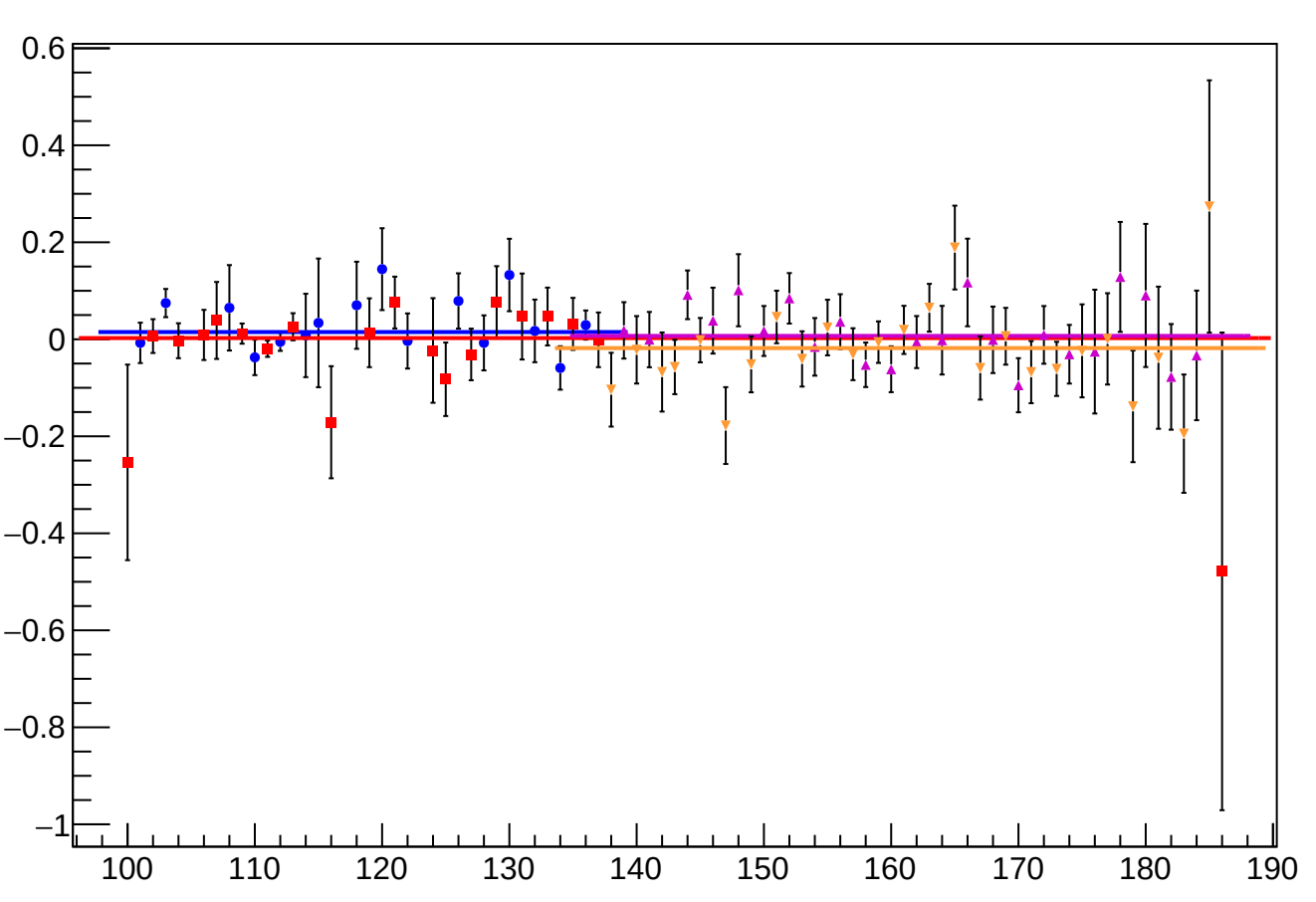
Right: 0.000+/-0.000 χ^2/NDF: 30.1/35

In: -0.000+/-0.000 χ^2/NDF:43.6/38

Out: 0.000+/-0.000 χ^2/NDF:46.7/44

All: 0.000+/-0.000 χ^2/NDF: 92.2/83


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: 2942035.6/15
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: 6786364.3/35
In: 0.002+/-0.000 χ²/NDF:12921463.1/38
Out: 0.002+/-0.000 χ²/NDF:14309197.7/44
All: 0.002+/-0.000 χ²/NDF: 27231176.7/83



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

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

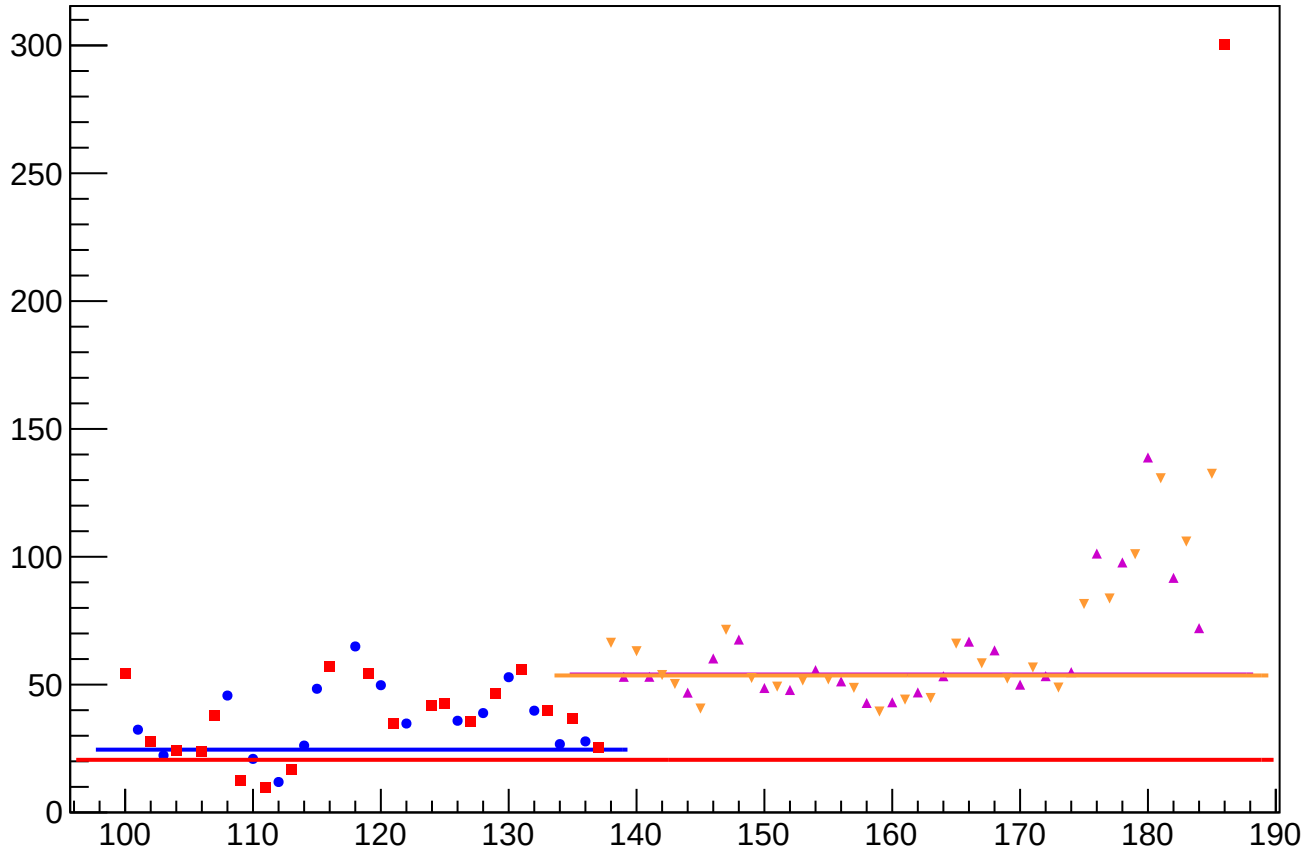
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/35

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/83



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

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

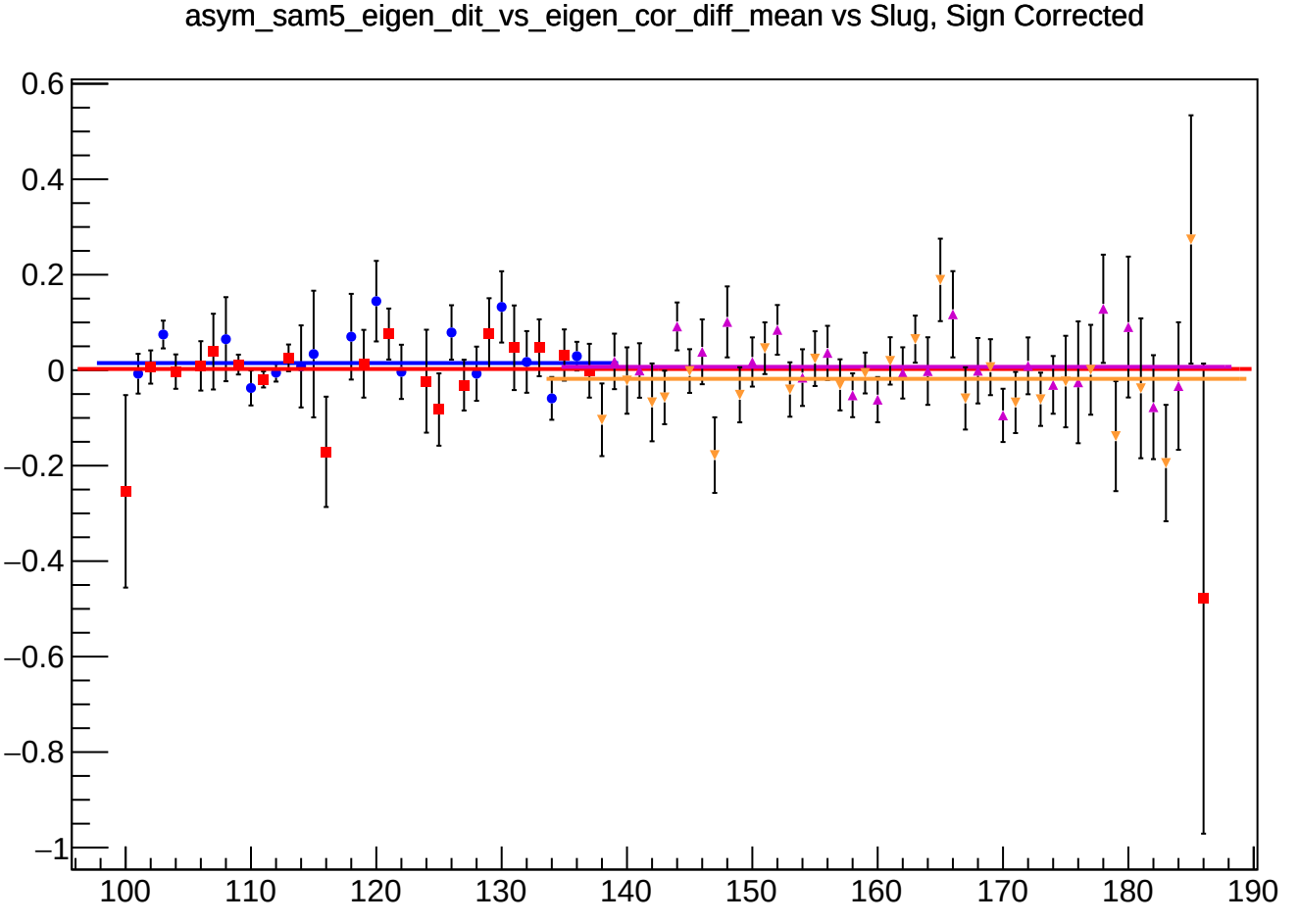
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 22.303+/-0.005 χ^2/NDF: 6875561.4/35

In: 36.080+/-0.006 χ^2/NDF:10563673.8/38

Out: 31.863+/-0.005 χ^2/NDF:15620094.5/44

All: 33.765+/-0.004 χ^2/NDF: 26470120.0/83



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

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

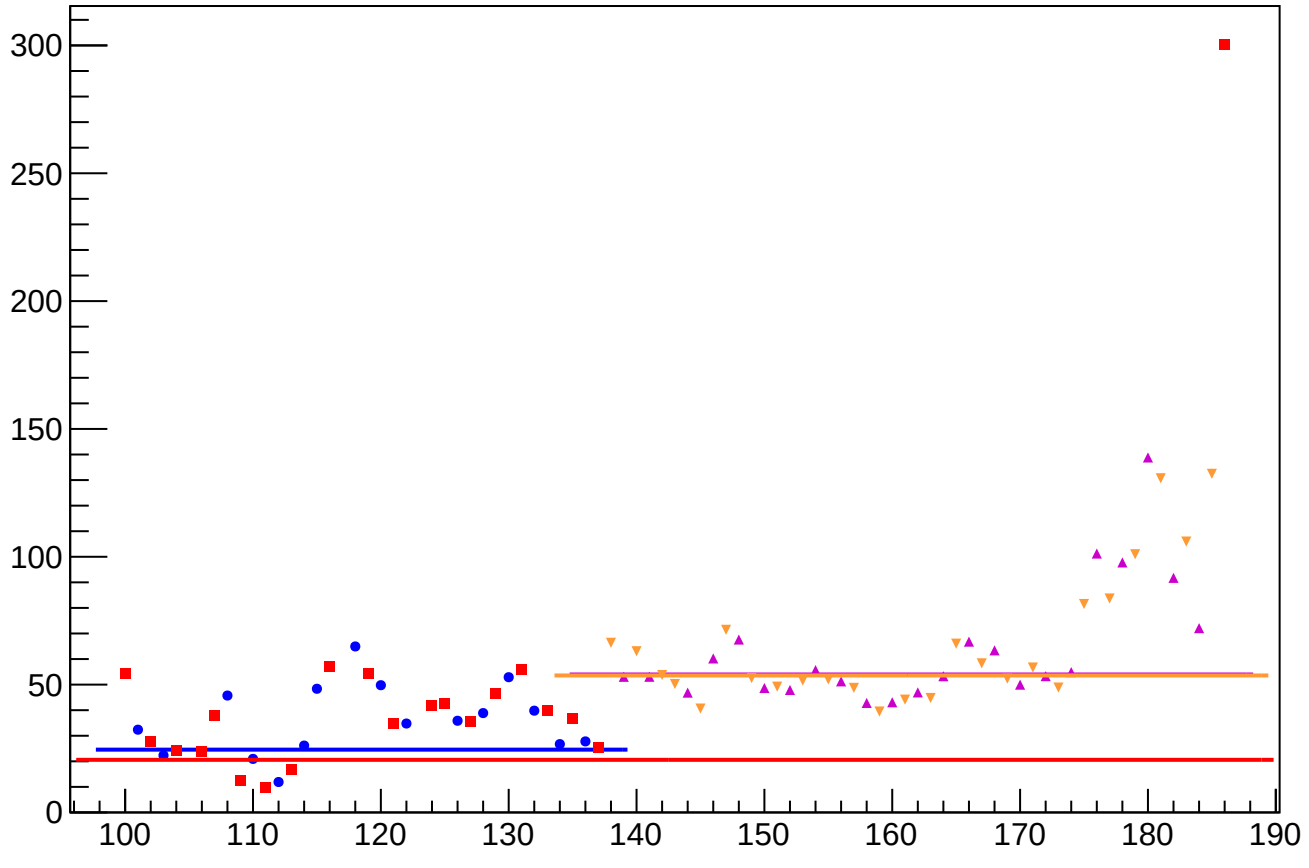
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/35

In: 0.012+/-0.008 χ^2/NDF:36.7/38

Out: -0.005+/-0.007 χ^2/NDF:39.5/44

All: 0.003+/-0.006 χ^2/NDF: 78.3/83



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

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

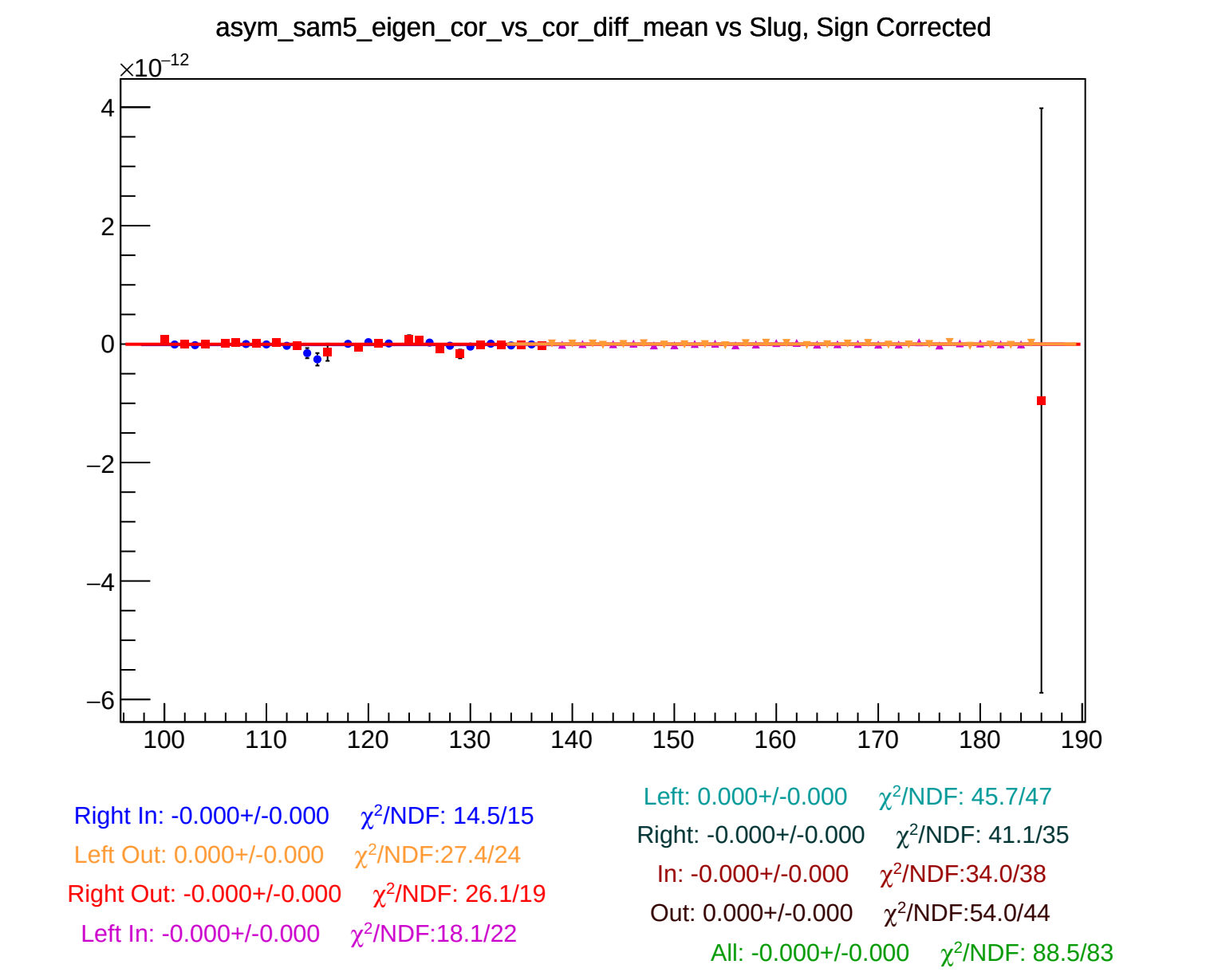
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

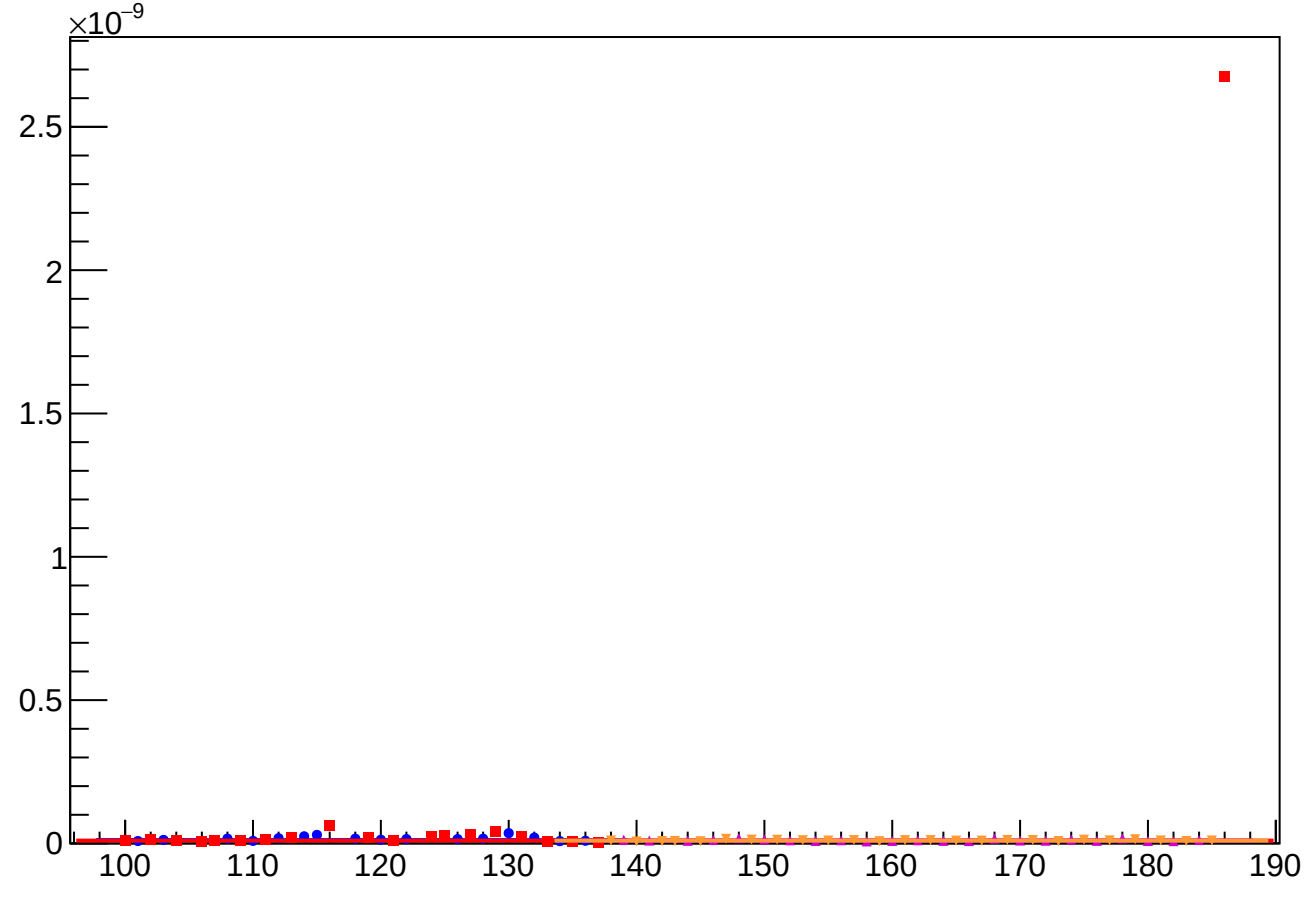
Right: 22.303+/-0.005 χ^2/NDF: 6875561.4/35

In: 36.080+/-0.006 χ^2/NDF:10563673.8/38

Out: 31.863+/-0.005 χ^2/NDF:15620094.5/44

All: 33.765+/-0.004 χ^2/NDF: 26470120.0/83


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: 14.5/15
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: 41.1/35
In: -0.000+/-0.000 χ²/NDF:34.0/38
Out: 0.000+/-0.000 χ²/NDF:54.0/44
All: -0.000+/-0.000 χ²/NDF: 88.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

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

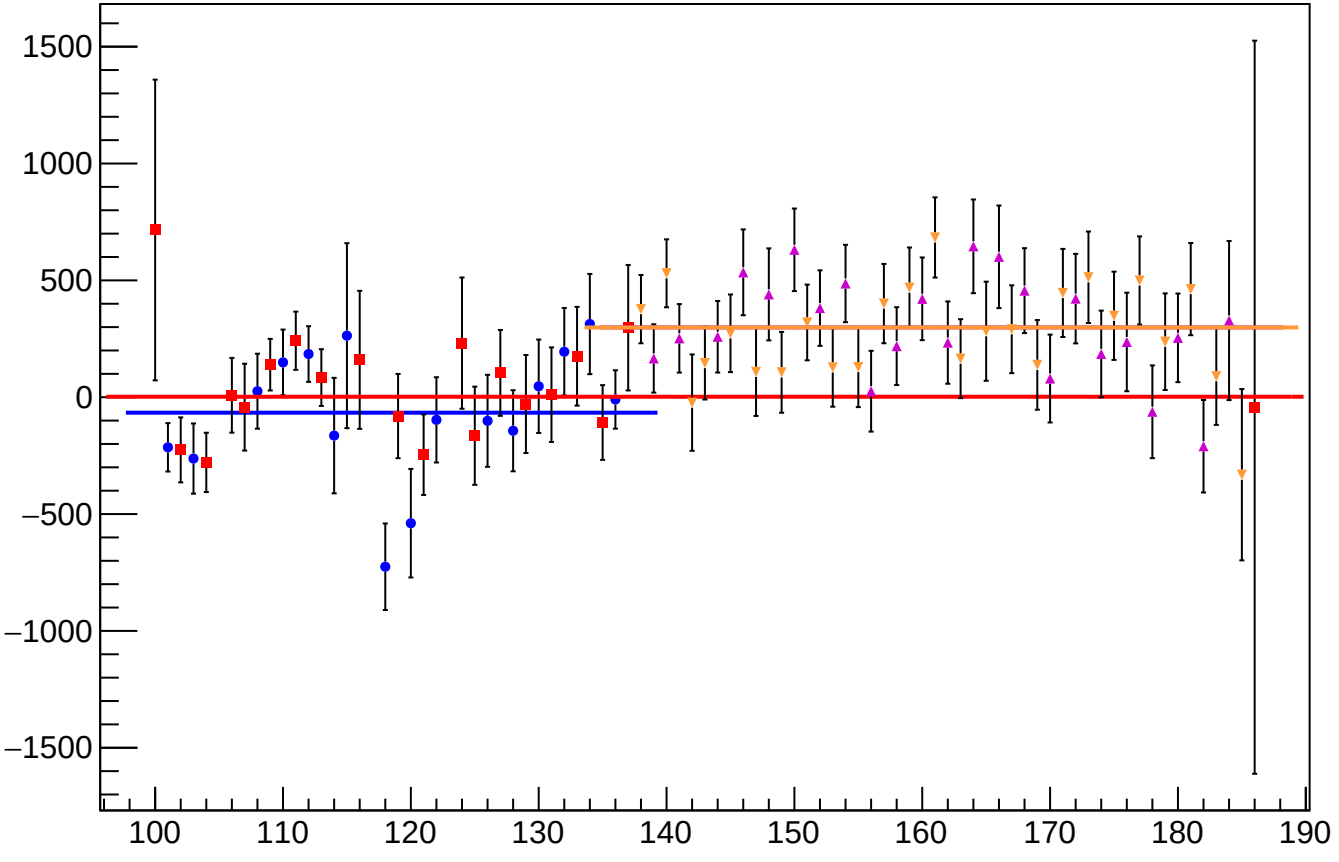
Right: 0.000+/-0.000 χ^2/NDF: 4489312.4/35

In: 0.000+/-0.000 χ^2/NDF:2577484.1/38

Out: 0.000+/-0.000 χ^2/NDF:4415620.4/44

All: 0.000+/-0.000 χ^2/NDF: 7051075.9/83

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

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

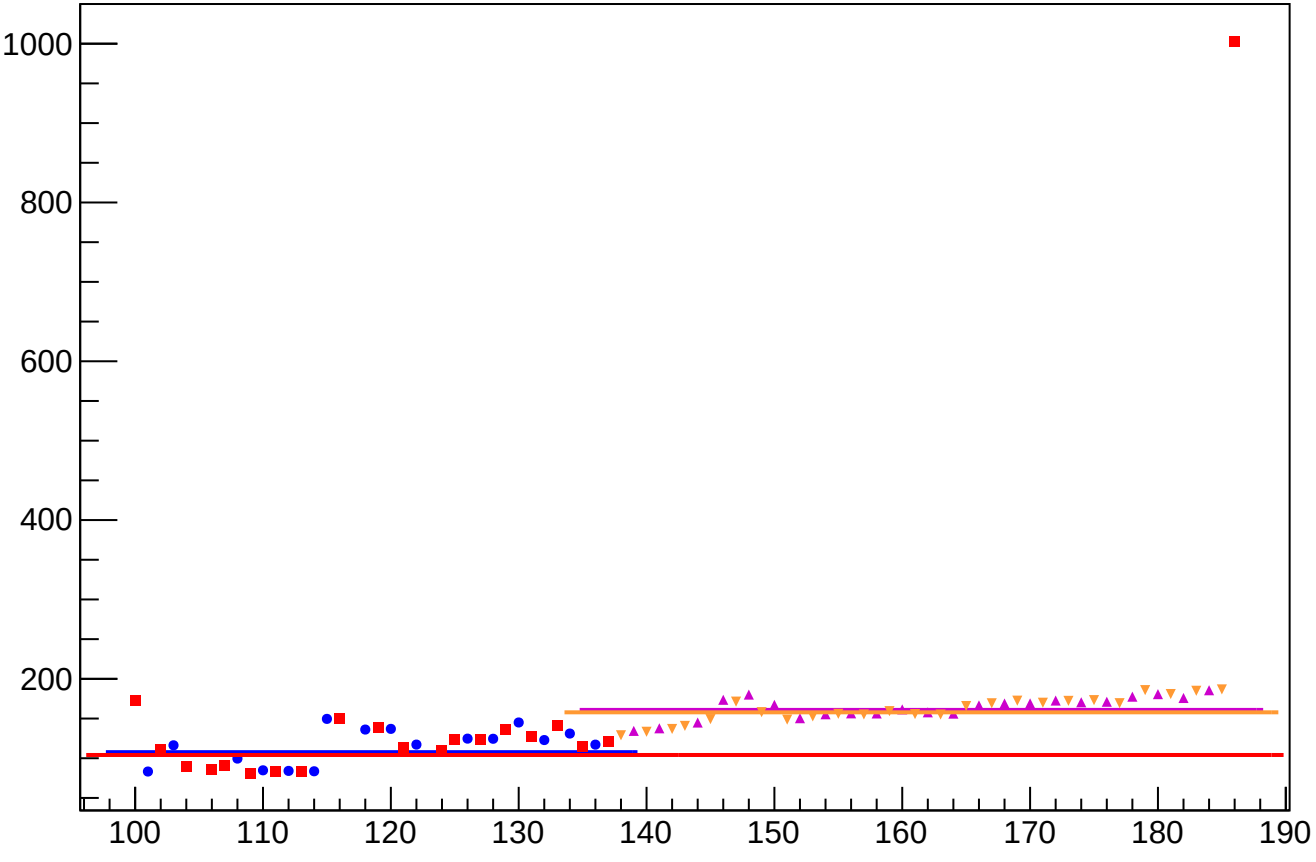
Right: -30.341+/-28.182 χ^2/NDF: 57.0/35

In: 131.090+/-27.742 χ^2/NDF:106.8/38

Out: 161.337+/-26.427 χ^2/NDF:78.4/44

All: 146.947+/-19.135 χ^2/NDF: 185.8/83

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

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

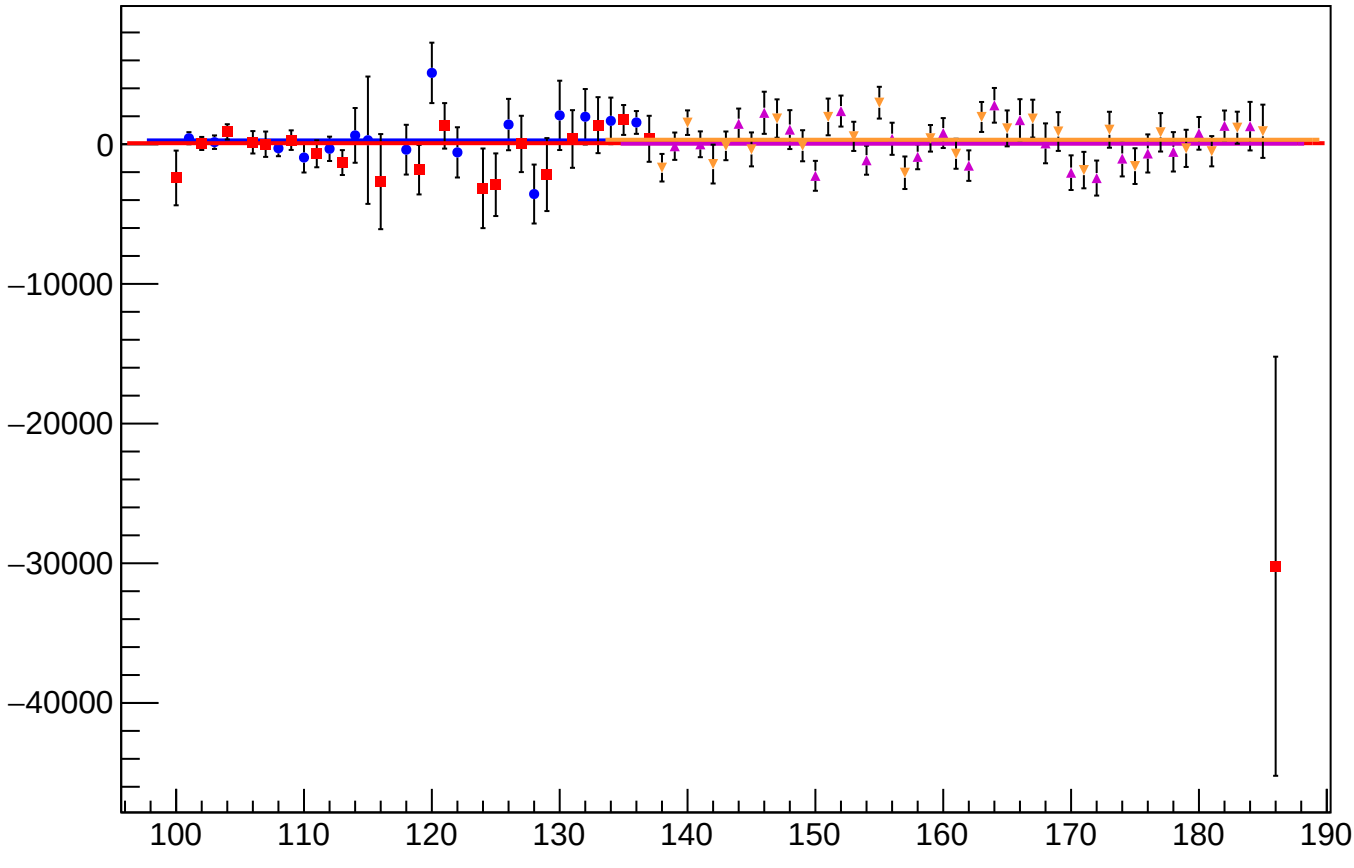
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 105.780+/-0.020 χ^2/NDF: 1814857.3/35

In: 136.428+/-0.020 χ^2/NDF:2629682.8/38

Out: 132.977+/-0.019 χ^2/NDF:3706971.0/44

All: 134.619+/-0.014 χ^2/NDF: 6352873.7/83



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

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

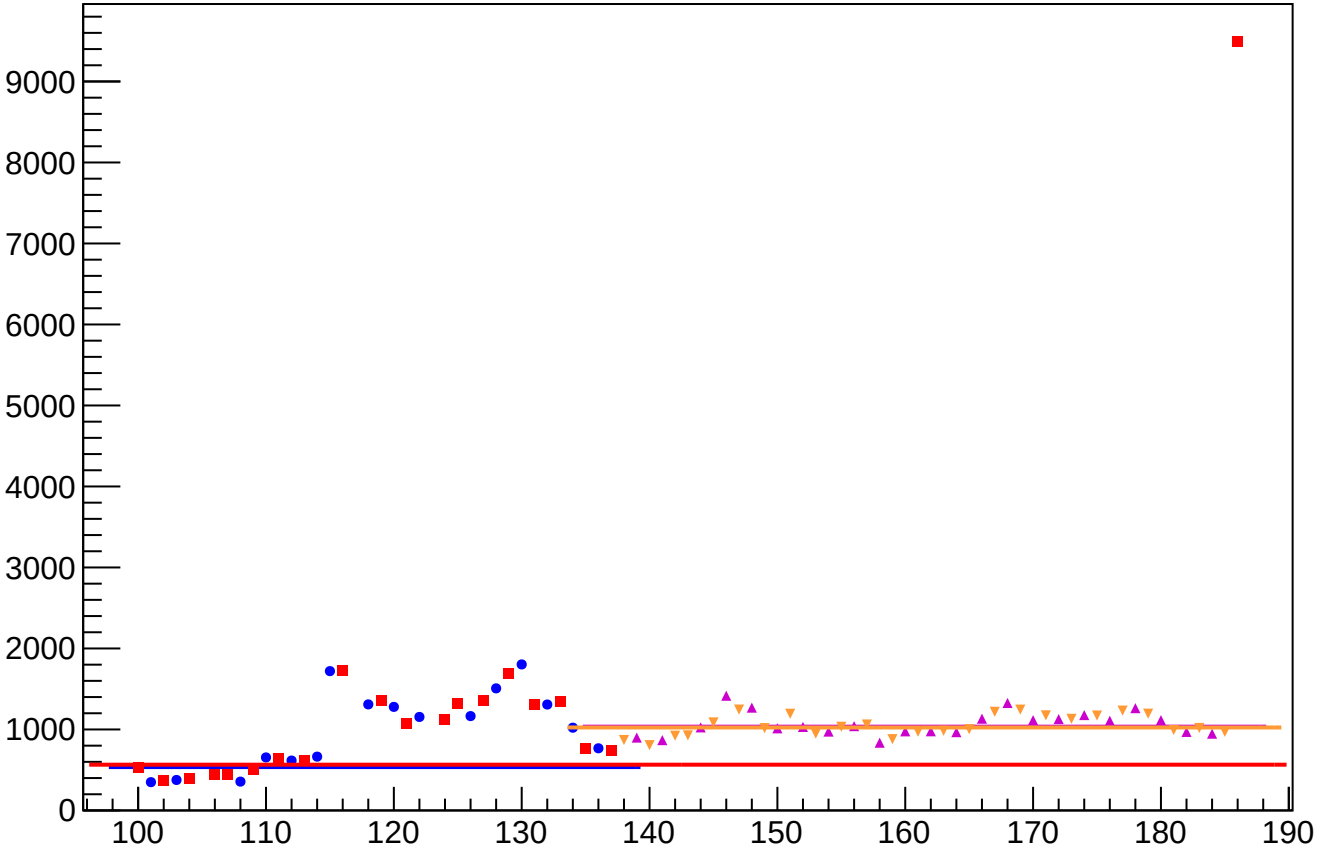
Right: 172.802+/-163.618 χ^2/NDF: 36.9/35

In: 161.947+/-167.671 χ^2/NDF:51.7/38

Out: 194.831+/-165.174 χ^2/NDF:53.2/44

All: 178.636+/-117.668 χ^2/NDF: 104.9/83

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

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

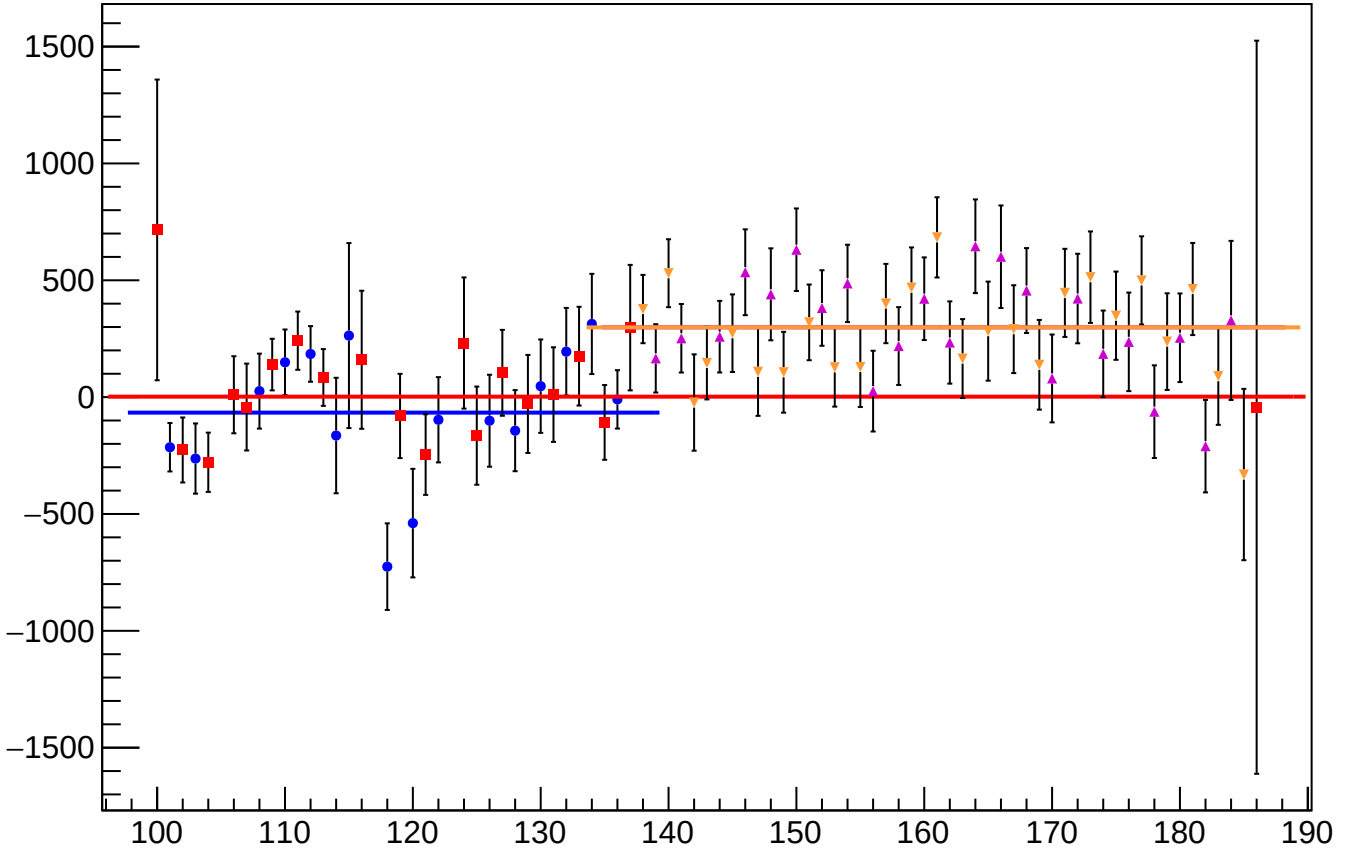
Right: 550.240+/-0.116 χ^2/NDF: 7467200.5/35

In: 770.893+/-0.119 χ^2/NDF:8670577.2/38

Out: 791.829+/-0.117 χ^2/NDF:8285509.3/44

All: 781.518+/-0.083 χ^2/NDF: 16971910.8/83

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

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

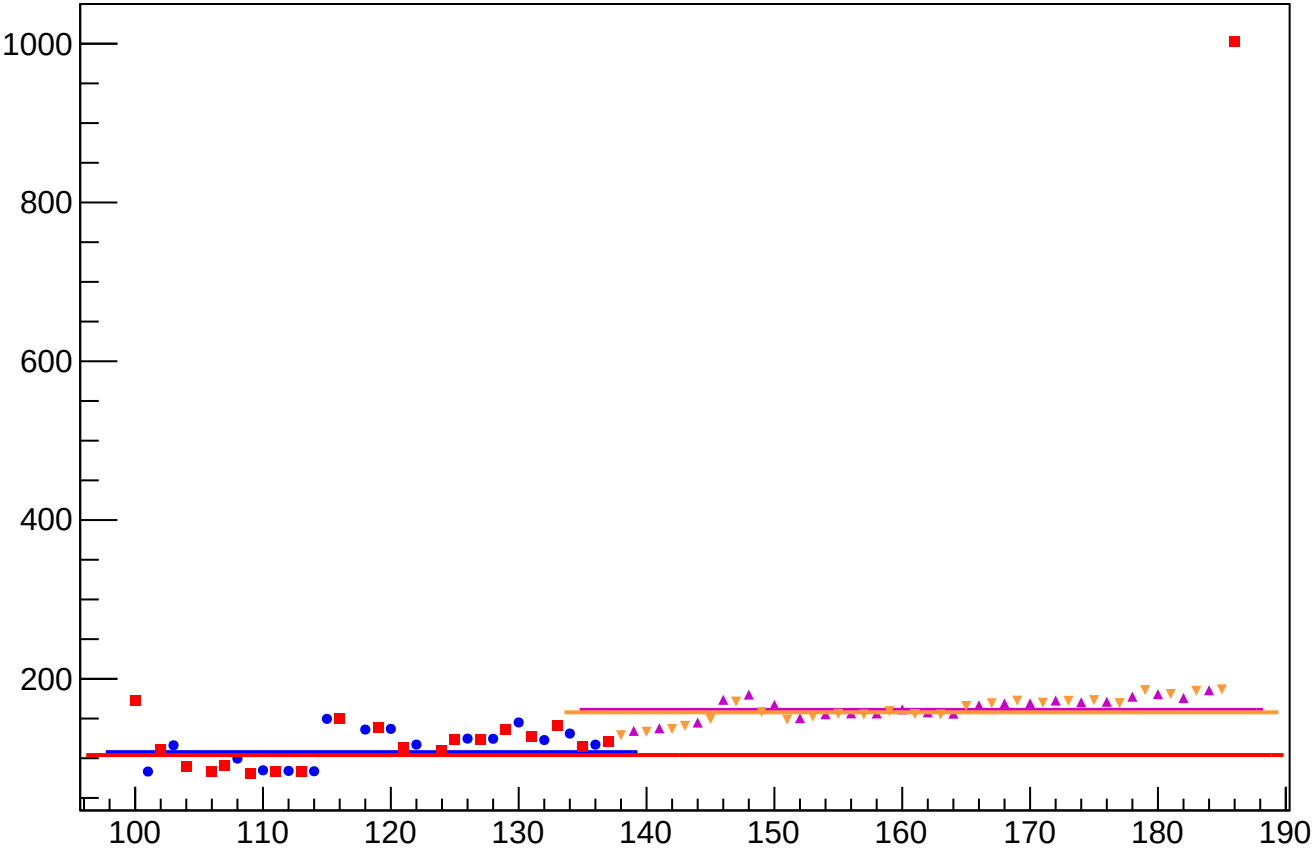
Right: -30.391+/-28.208 χ^2/NDF: 57.0/35

In: 131.082+/-27.742 χ^2/NDF:106.8/38

Out: 161.624+/-26.449 χ^2/NDF:78.3/44

All: 147.082+/-19.143 χ^2/NDF: 185.8/83

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

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

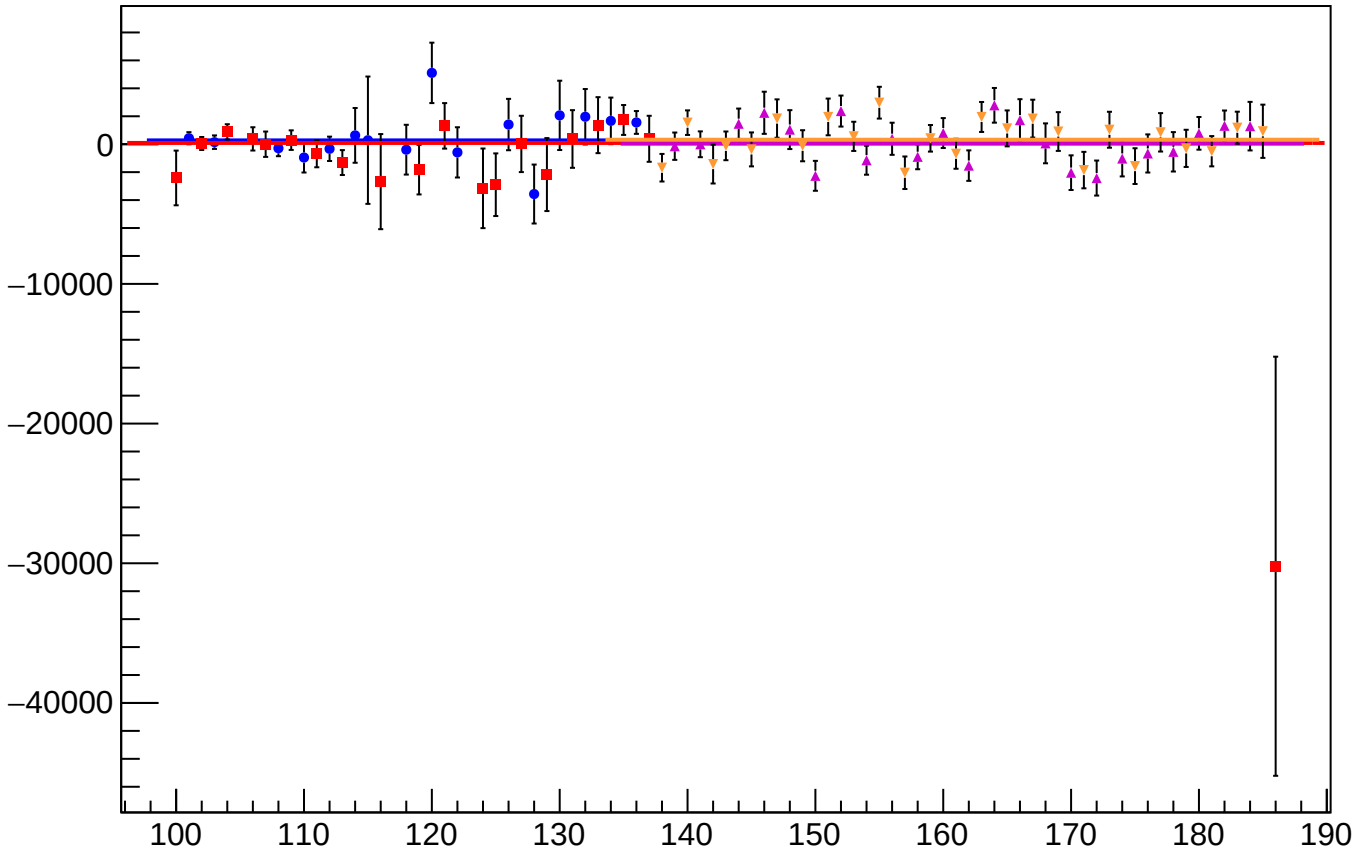
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 105.726+/-0.020 χ^2/NDF: 1822908.6/35

In: 136.428+/-0.020 χ^2/NDF:2629679.7/38

Out: 132.975+/-0.019 χ^2/NDF:3718965.6/44

All: 134.619+/-0.014 χ^2/NDF: 6364877.6/83



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

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

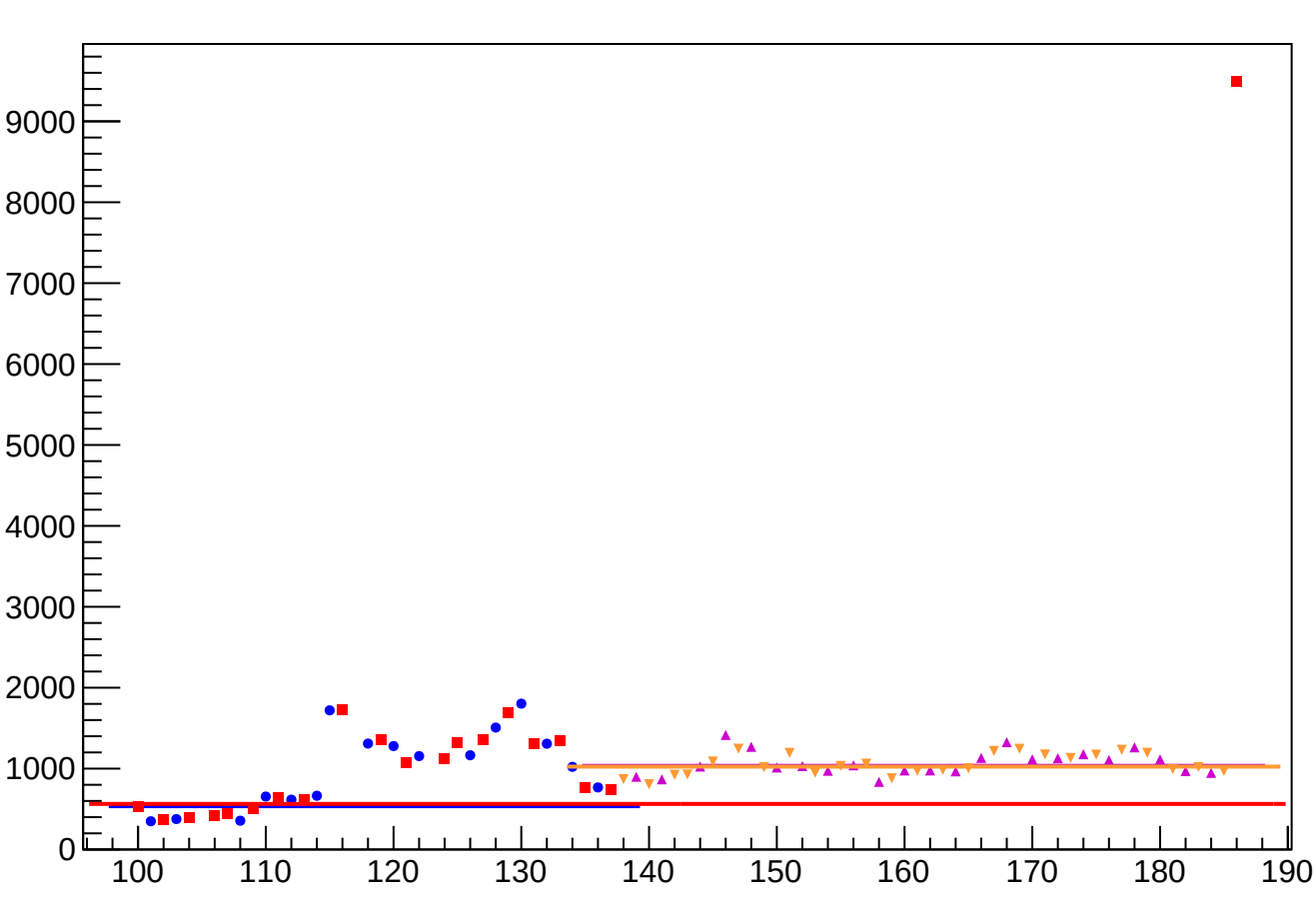
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 181.918+/-163.835 χ^2/NDF: 37.0/35

In: 162.025+/-167.668 χ^2/NDF:51.7/38

Out: 204.109+/-165.399 χ^2/NDF:53.2/44

All: 183.354+/-117.749 χ^2/NDF: 105.0/83



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

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

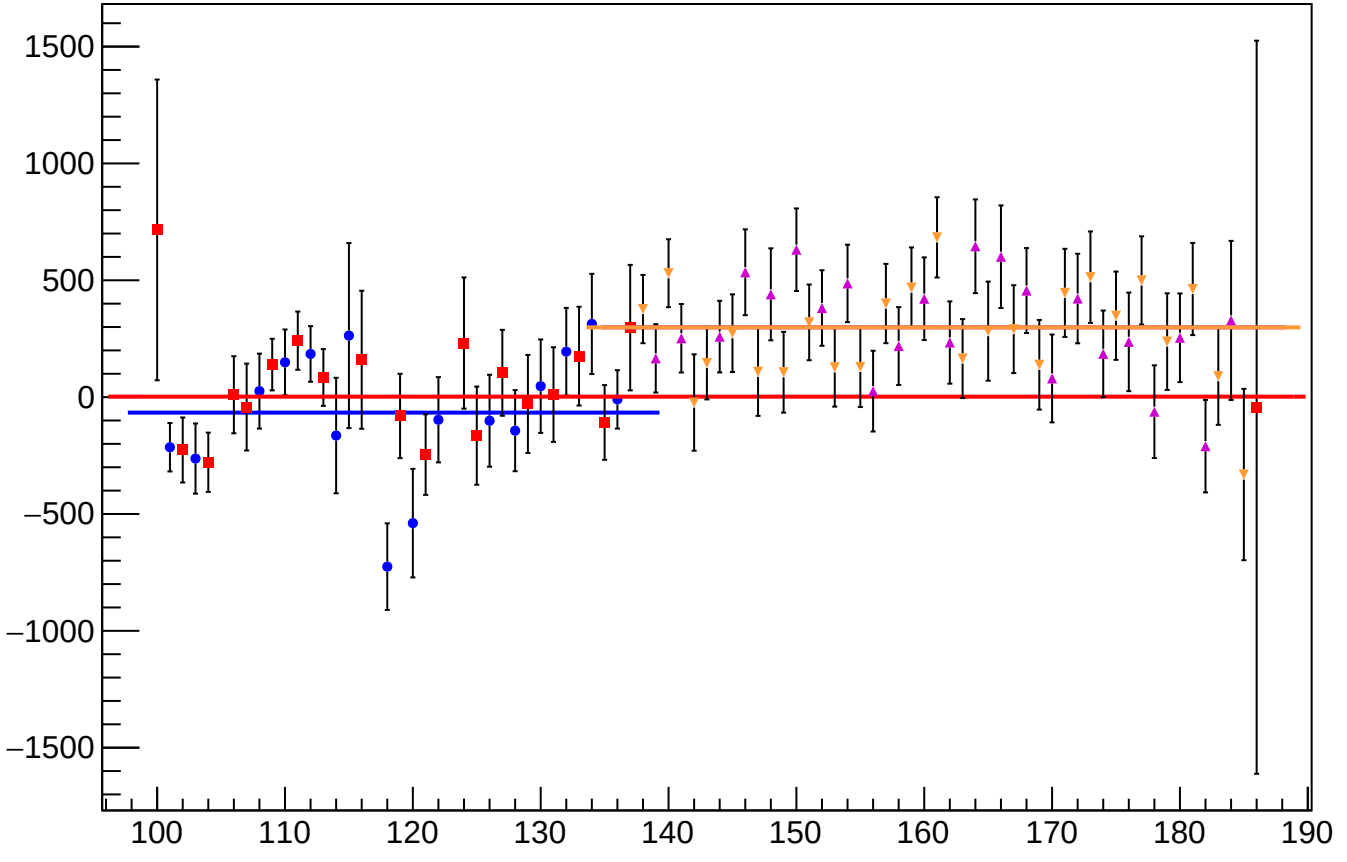
Right: 549.414+/-0.116 χ^2/NDF: 7485697.9/35

In: 770.874+/-0.119 χ^2/NDF:8671289.1/38

Out: 791.659+/-0.117 χ^2/NDF:8321494.2/44

All: 781.408+/-0.083 χ^2/NDF: 17008359.1/83

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

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

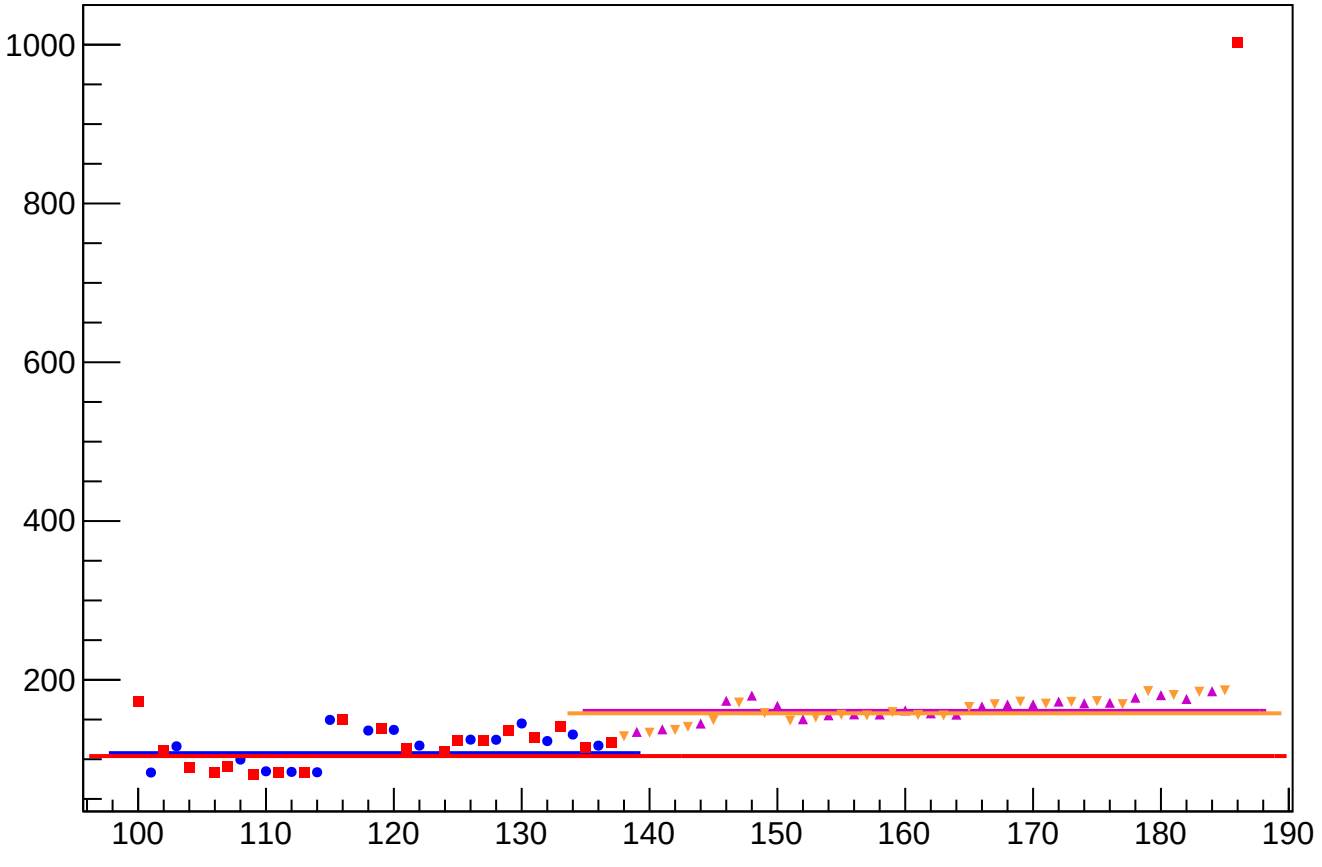
Right: -30.391+/-28.208 χ^2/NDF: 57.0/35

In: 131.082+/-27.742 χ^2/NDF:106.8/38

Out: 161.624+/-26.449 χ^2/NDF:78.3/44

All: 147.082+/-19.143 χ^2/NDF: 185.8/83

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

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

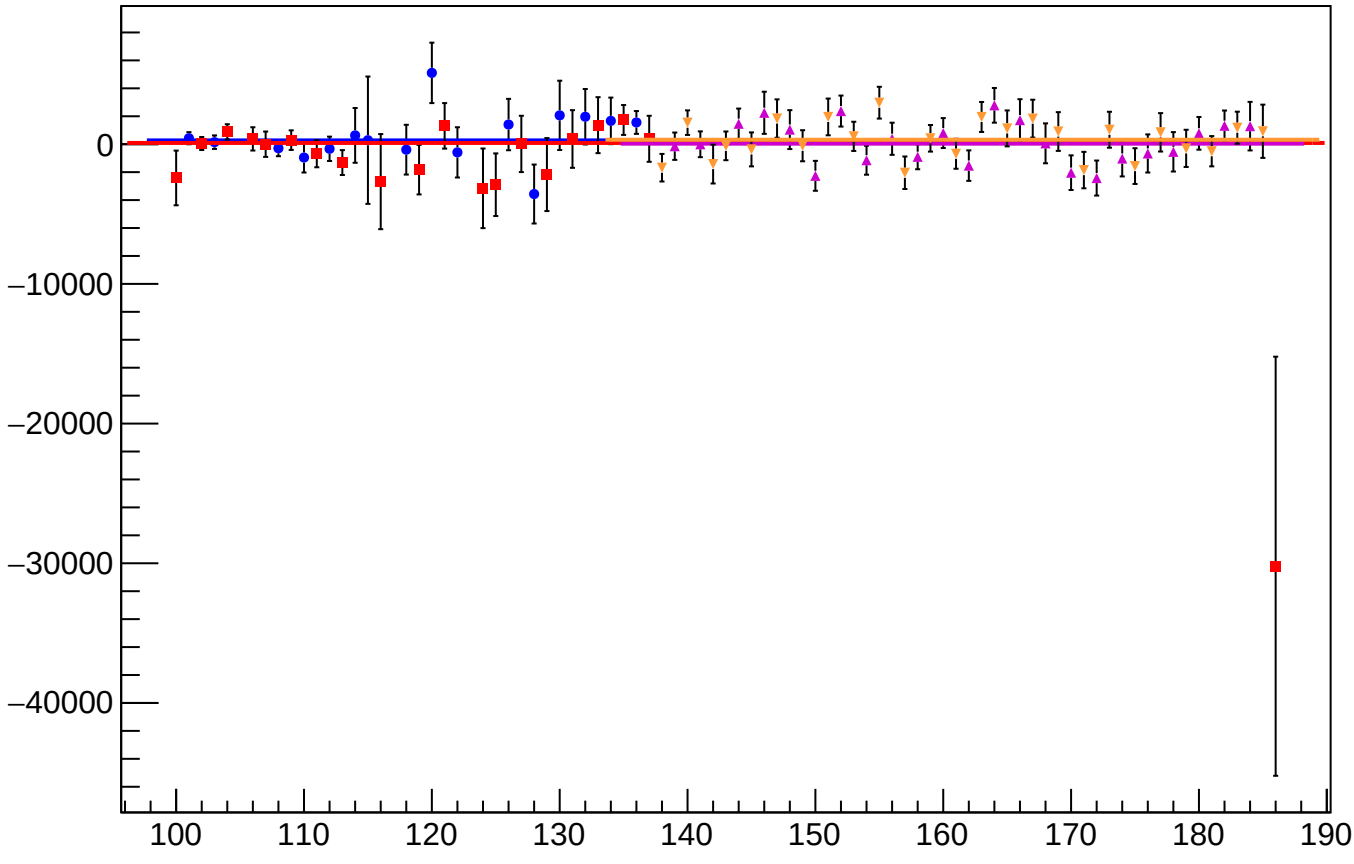
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 105.726+/-0.020 χ^2/NDF: 1822908.6/35

In: 136.428+/-0.020 χ^2/NDF:2629679.7/38

Out: 132.975+/-0.019 χ^2/NDF:3718965.6/44

All: 134.619+/-0.014 χ^2/NDF: 6364877.6/83



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

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

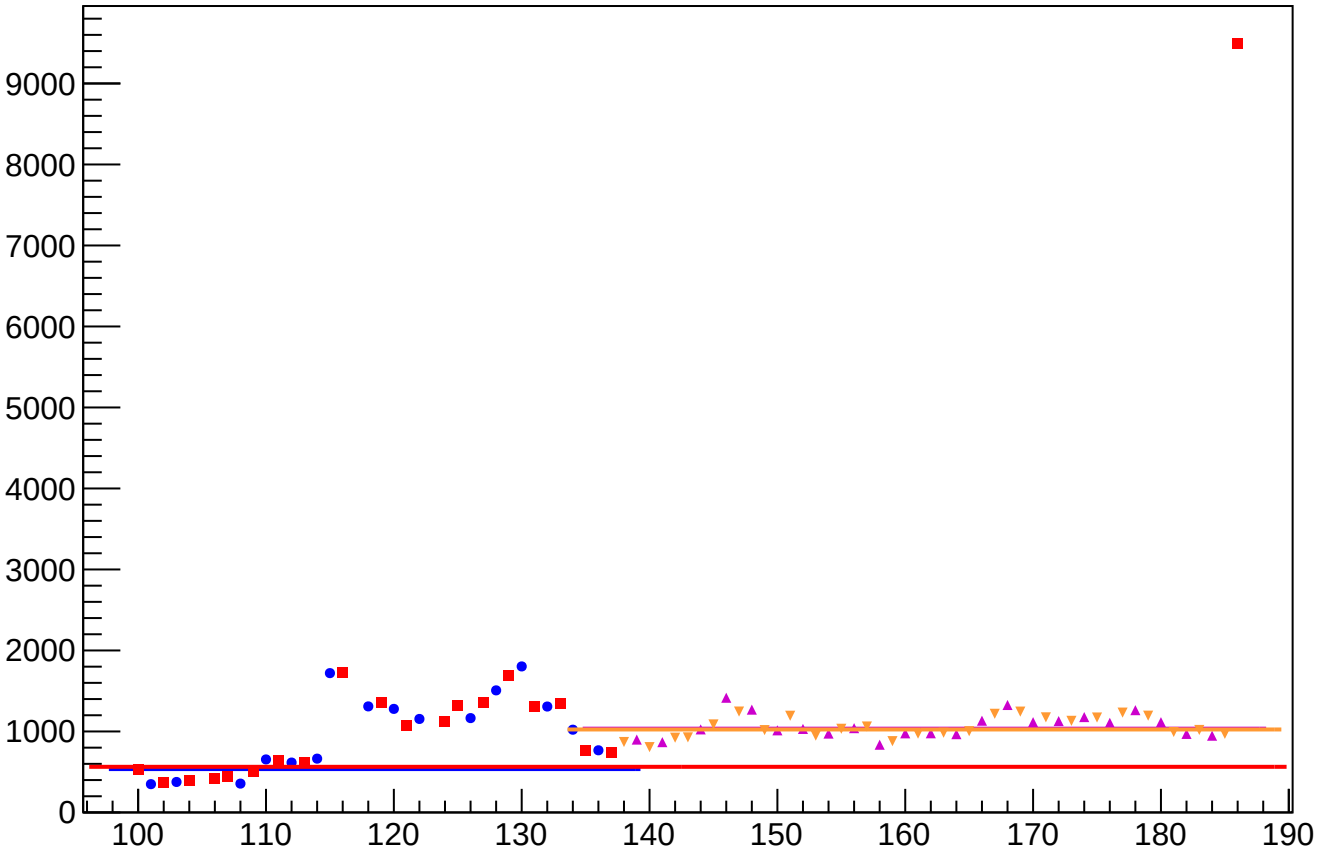
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 181.918+/-163.835 χ^2/NDF: 37.0/35

In: 162.025+/-167.668 χ^2/NDF:51.7/38

Out: 204.109+/-165.399 χ^2/NDF:53.2/44

All: 183.354+/-117.749 χ^2/NDF: 105.0/83



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

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

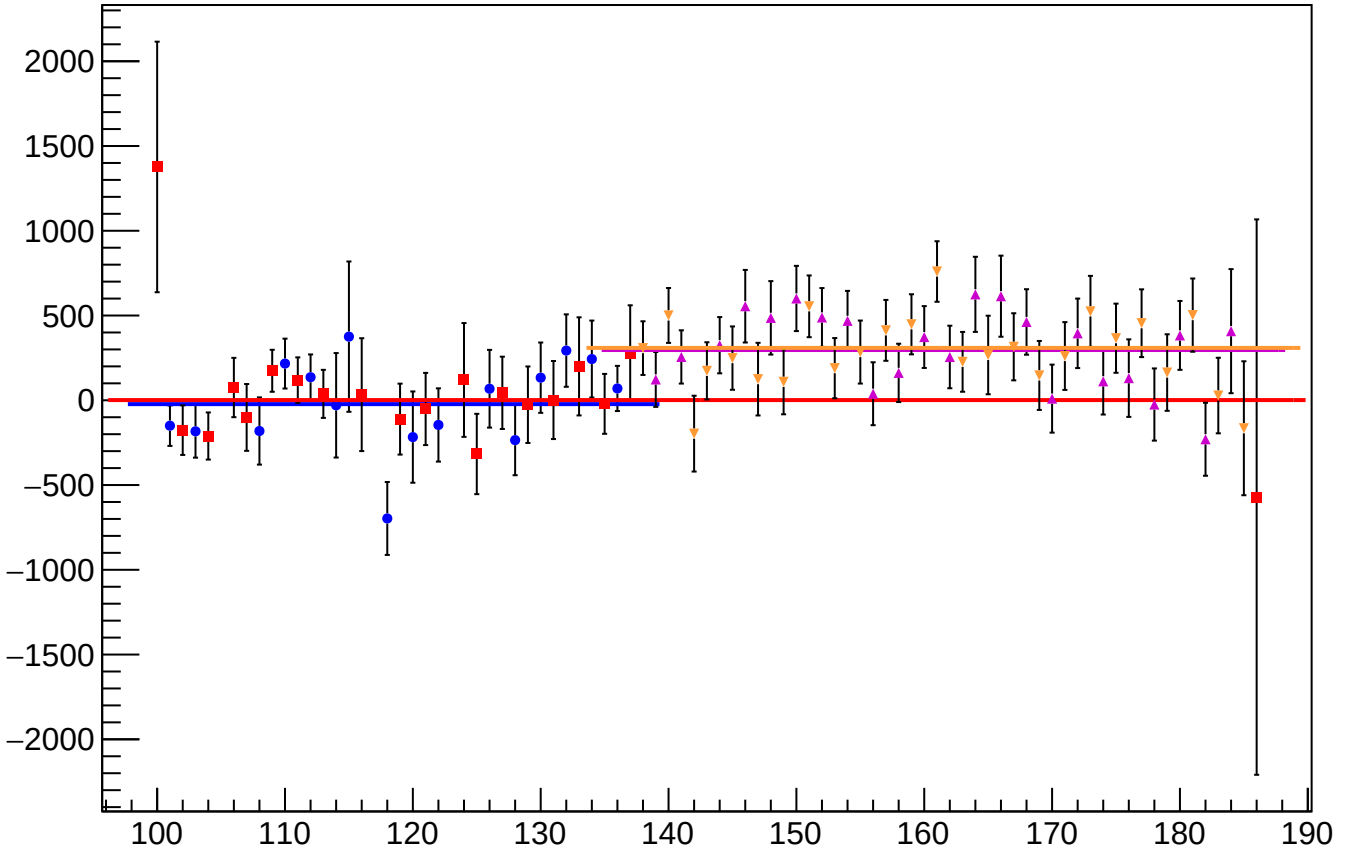
Right: 549.414+/-0.116 χ^2/NDF: 7485697.9/35

In: 770.874+/-0.119 χ^2/NDF:8671289.1/38

Out: 791.659+/-0.117 χ^2/NDF:8321494.2/44

All: 781.408+/-0.083 χ^2/NDF: 17008359.1/83

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

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

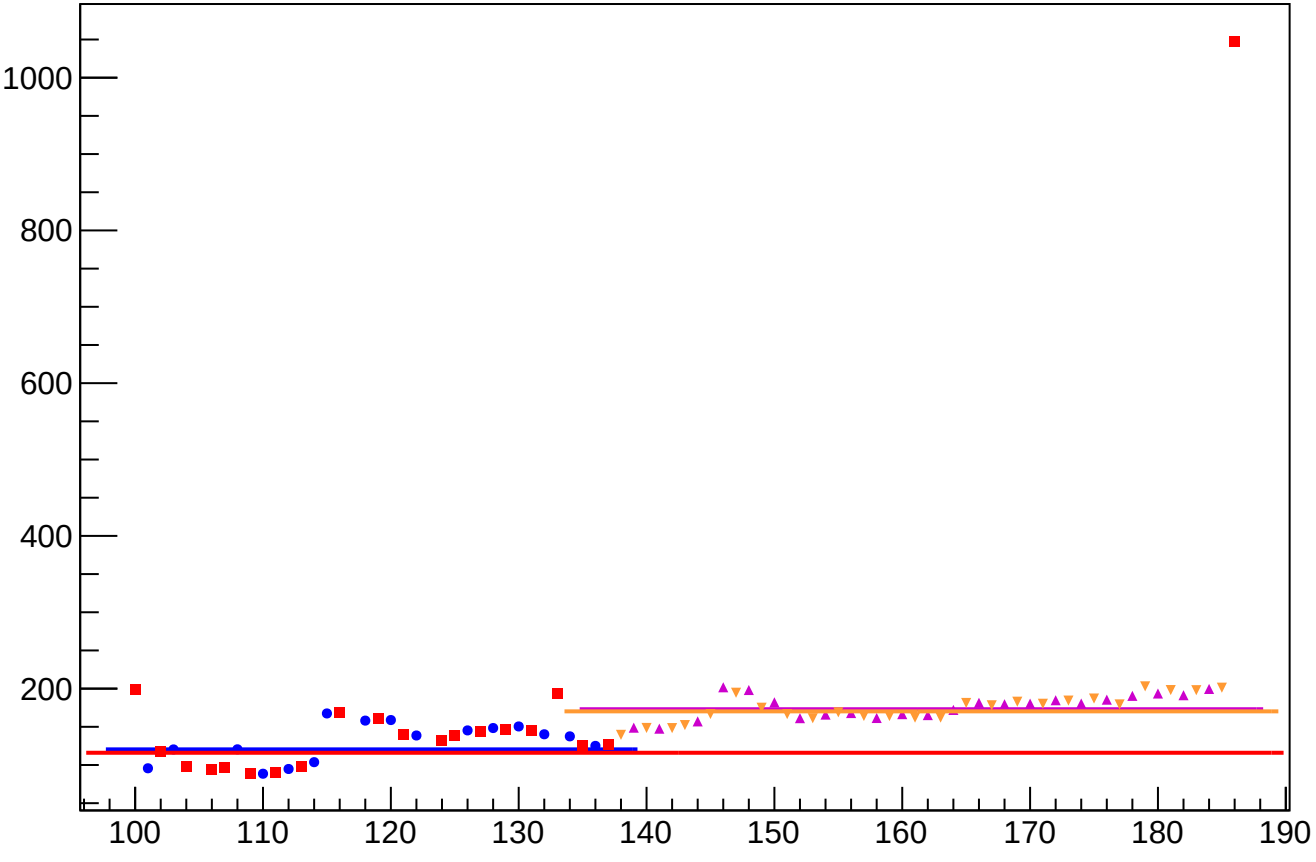
Right: -10.112+/-31.594 χ^2/NDF: 38.7/35

In: 156.395+/-30.416 χ^2/NDF:79.1/38

Out: 172.409+/-29.011 χ^2/NDF:67.8/44

All: 164.780+/-20.993 χ^2/NDF: 147.0/83

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

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

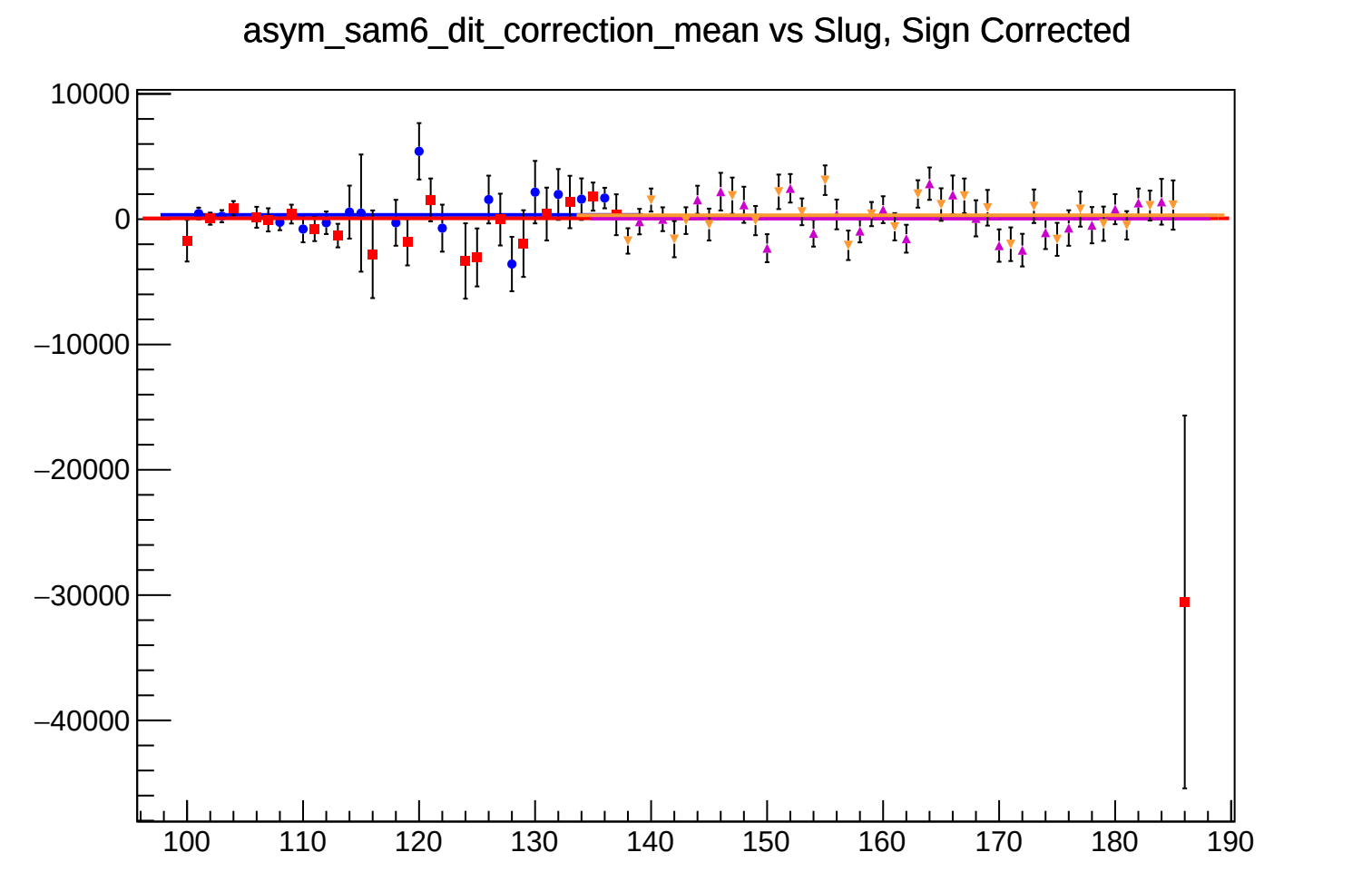
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 118.120+/-0.022 χ^2/NDF: 1954263.9/35

In: 149.950+/-0.022 χ^2/NDF:2295158.0/38

Out: 146.175+/-0.021 χ^2/NDF:3505082.6/44

All: 147.973+/-0.015 χ^2/NDF: 5816377.6/83



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

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

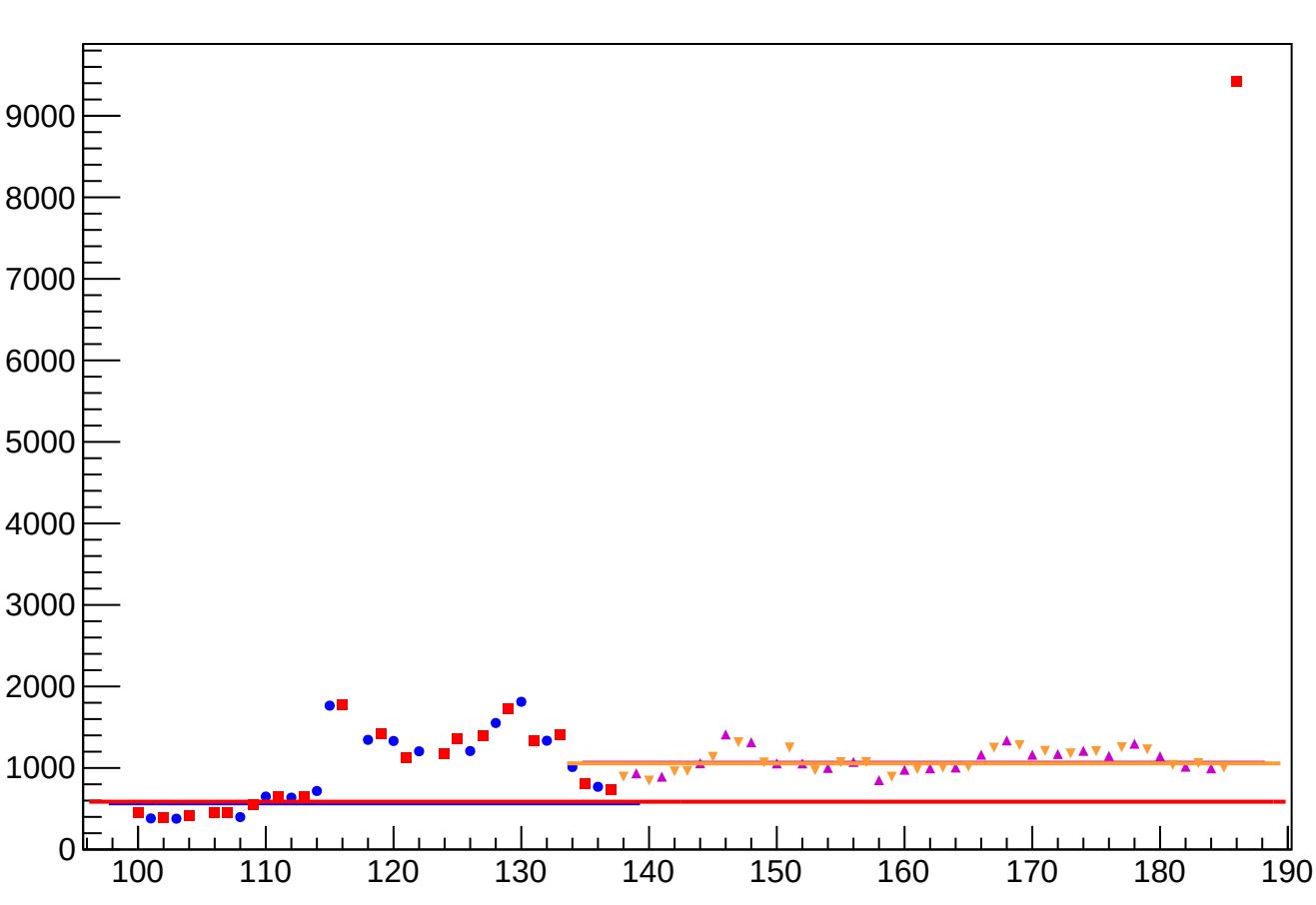
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 205.313+/-170.404 χ^2/NDF: 36.4/35

In: 201.694+/-174.124 χ^2/NDF:51.4/38

Out: 189.542+/-170.709 χ^2/NDF:52.9/44

All: 195.497+/-121.899 χ^2/NDF: 104.3/83



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

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

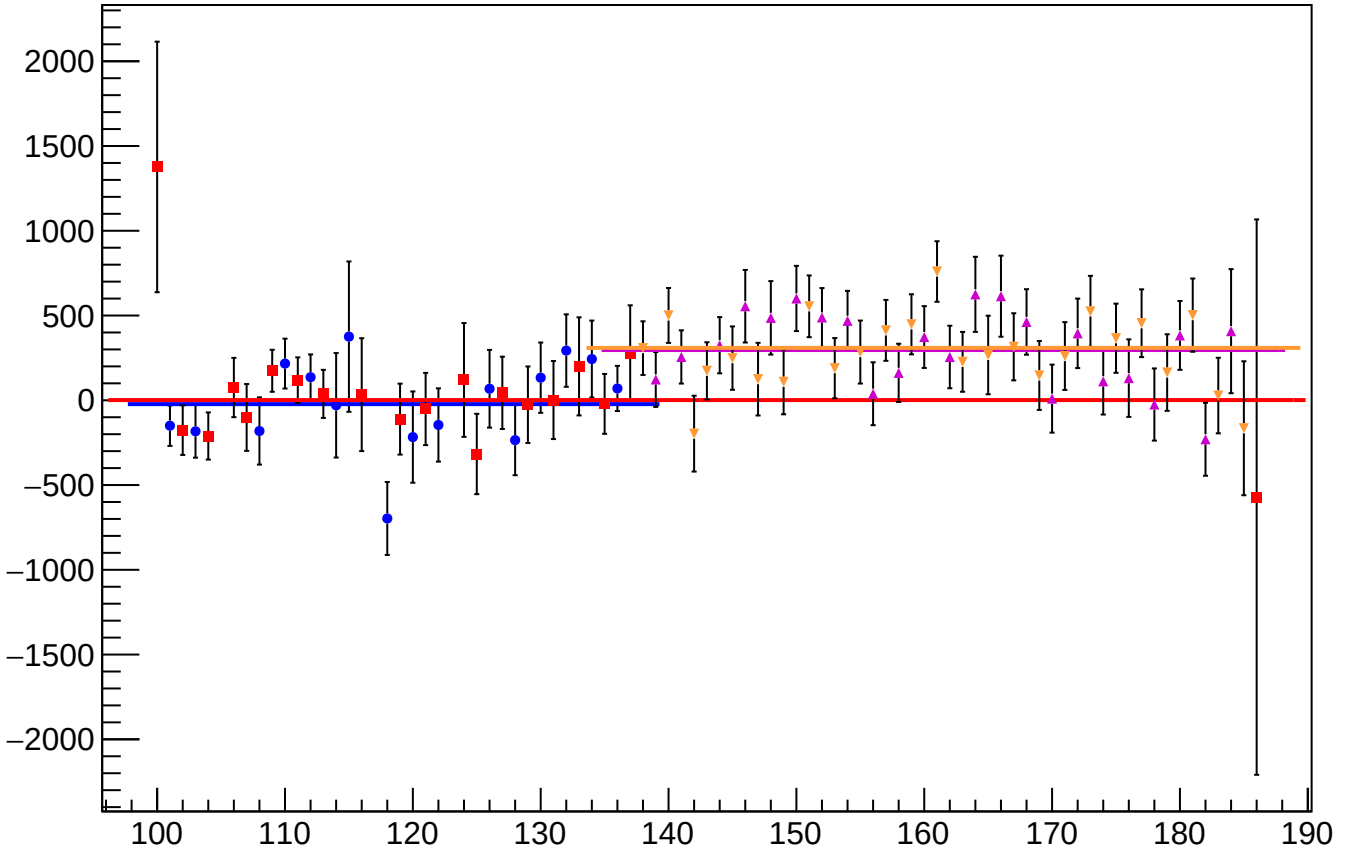
Right: 576.396+/-0.120 χ^2/NDF: 7251540.3/35

In: 805.827+/-0.123 χ^2/NDF:8128483.9/38

Out: 819.312+/-0.121 χ^2/NDF:8216786.8/44

All: 812.703+/-0.086 χ^2/NDF: 16351387.4/83

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

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

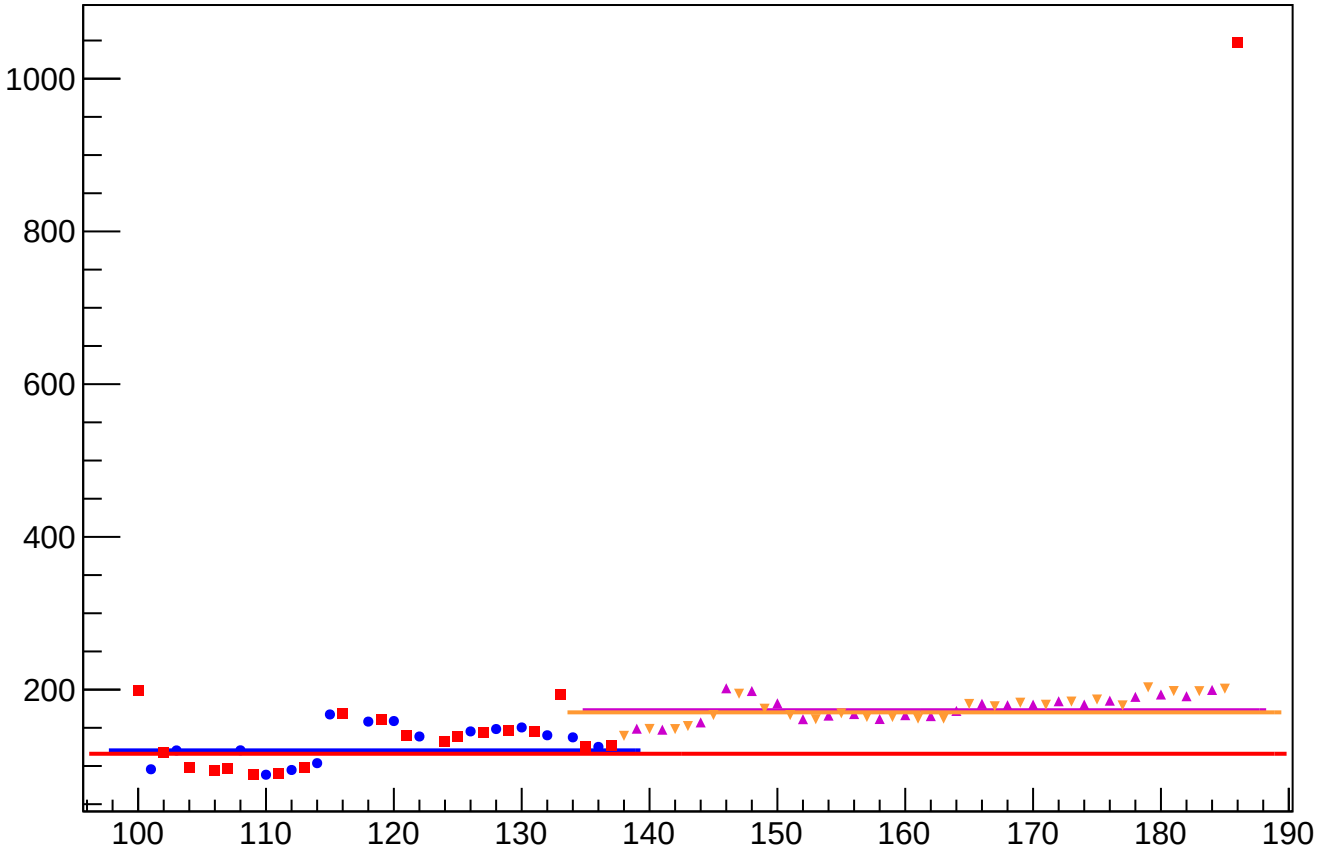
Right: -10.112+/-31.594 χ^2/NDF: 38.7/35

In: 156.394+/-30.416 χ^2/NDF:79.1/38

Out: 172.410+/-29.011 χ^2/NDF:67.8/44

All: 164.780+/-20.993 χ^2/NDF: 147.0/83

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

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

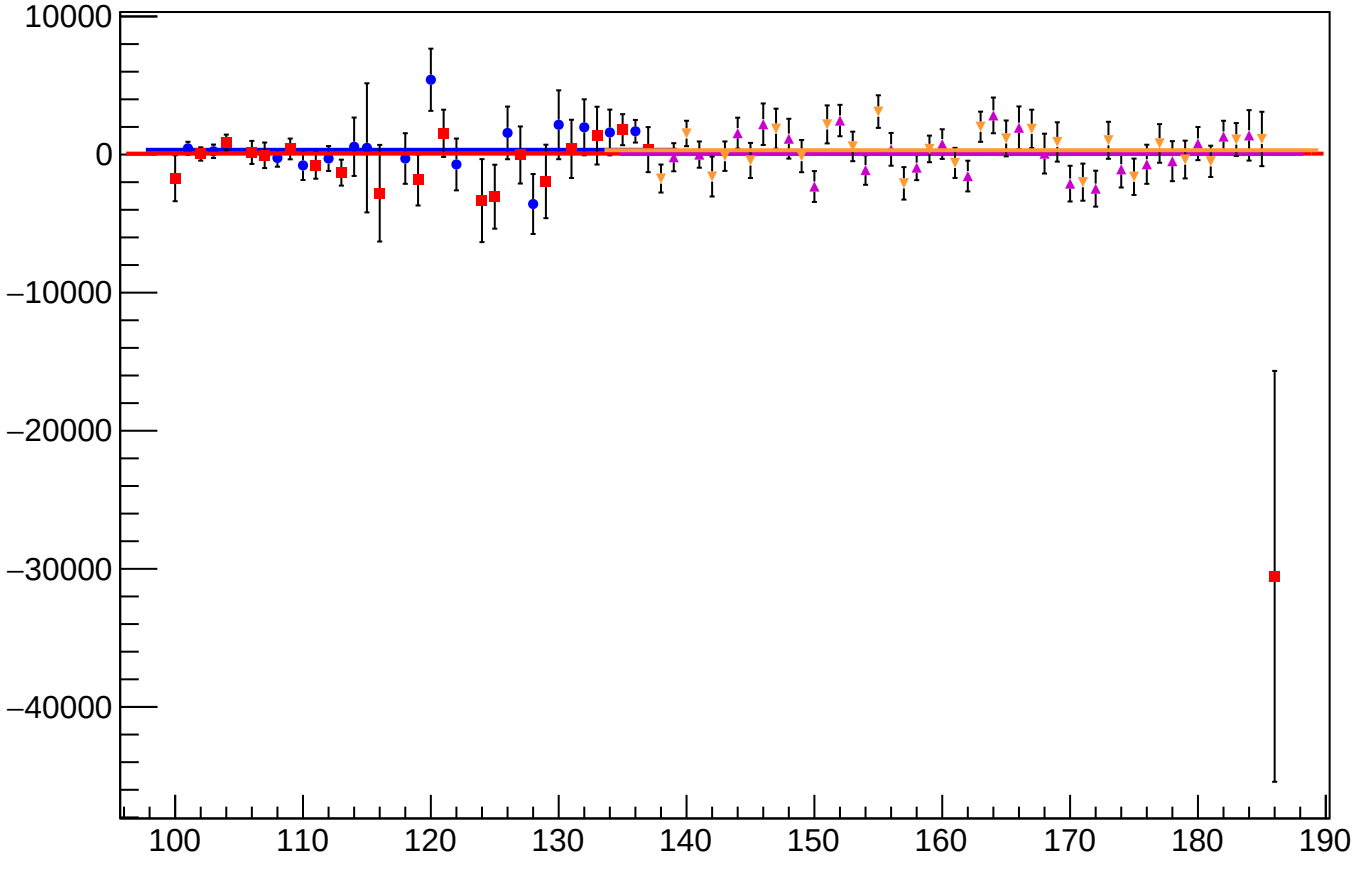
Right: 118.119+/-0.022 χ^2/NDF: 1954266.3/35

In: 149.950+/-0.022 χ^2/NDF:2295171.3/38

Out: 146.174+/-0.021 χ^2/NDF:3505087.6/44

All: 147.973+/-0.015 χ^2/NDF: 5816395.8/83

asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

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

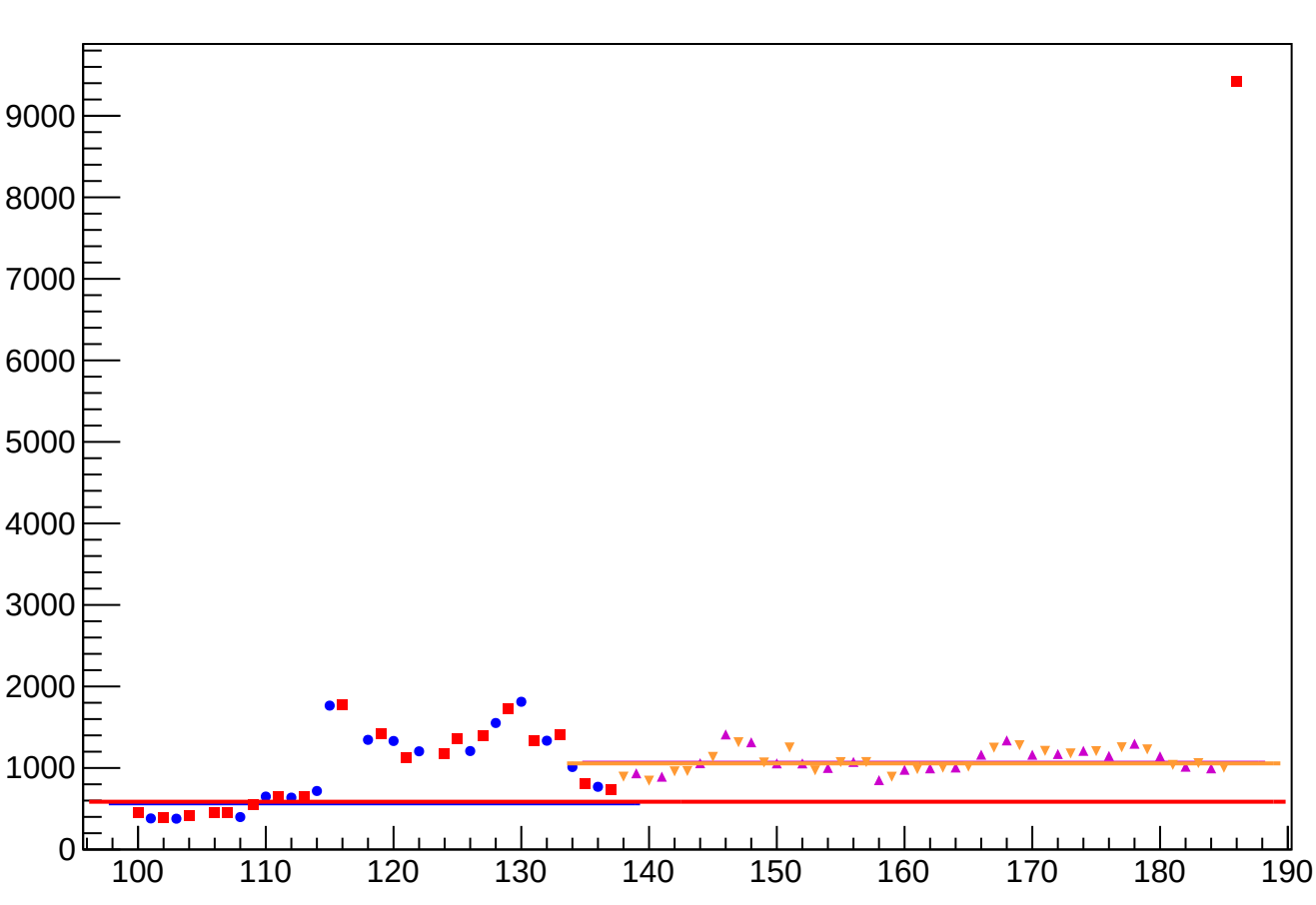
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 205.314+/-170.404 χ^2/NDF: 36.4/35

In: 201.694+/-174.123 χ^2/NDF:51.4/38

Out: 189.542+/-170.709 χ^2/NDF:52.9/44

All: 195.498+/-121.899 χ^2/NDF: 104.3/83



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

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

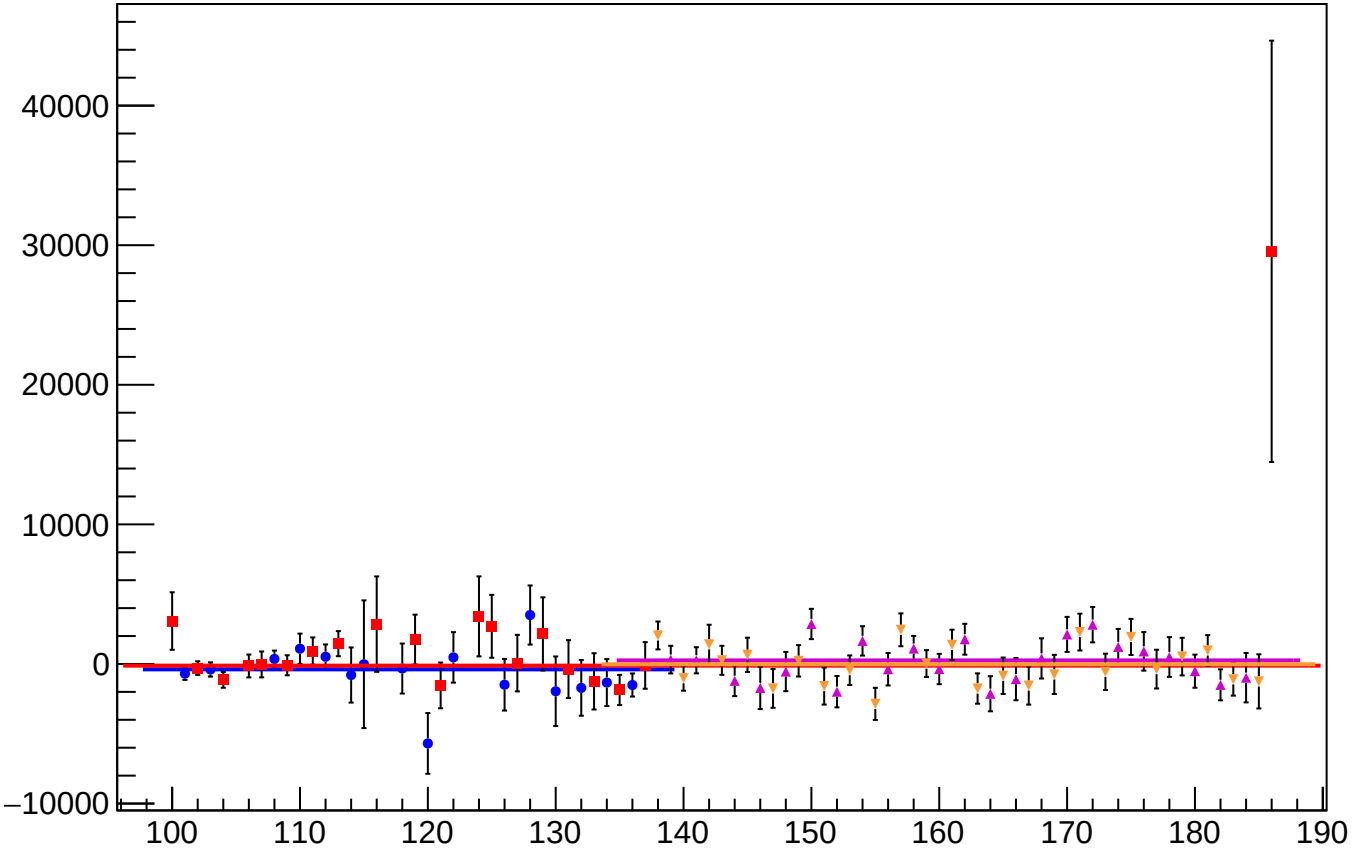
Right: 576.396+/-0.120 χ^2/NDF: 7251545.1/35

In: 805.826+/-0.123 χ^2/NDF:8128508.2/38

Out: 819.311+/-0.121 χ^2/NDF:8216805.4/44

All: 812.702+/-0.086 χ^2/NDF: 16351430.5/83

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

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

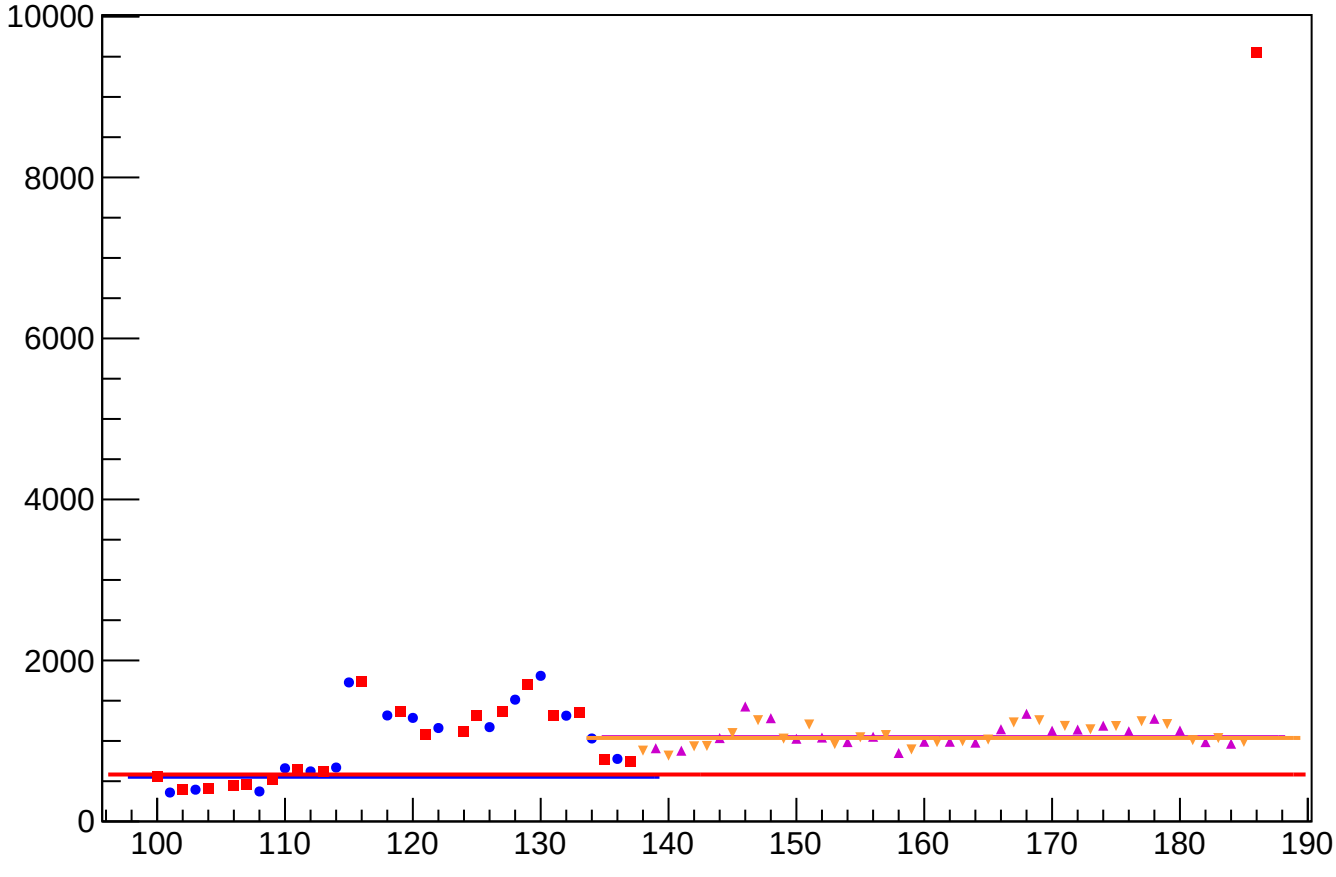
Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

Right: -254.237+/-168.197 χ^2/NDF: 41.8/35

In: -78.373+/-171.275 χ^2/NDF:55.0/38

Out: -71.473+/-168.356 χ^2/NDF:57.8/44

All: -74.864+/-120.064 χ^2/NDF: 112.9/83



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

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

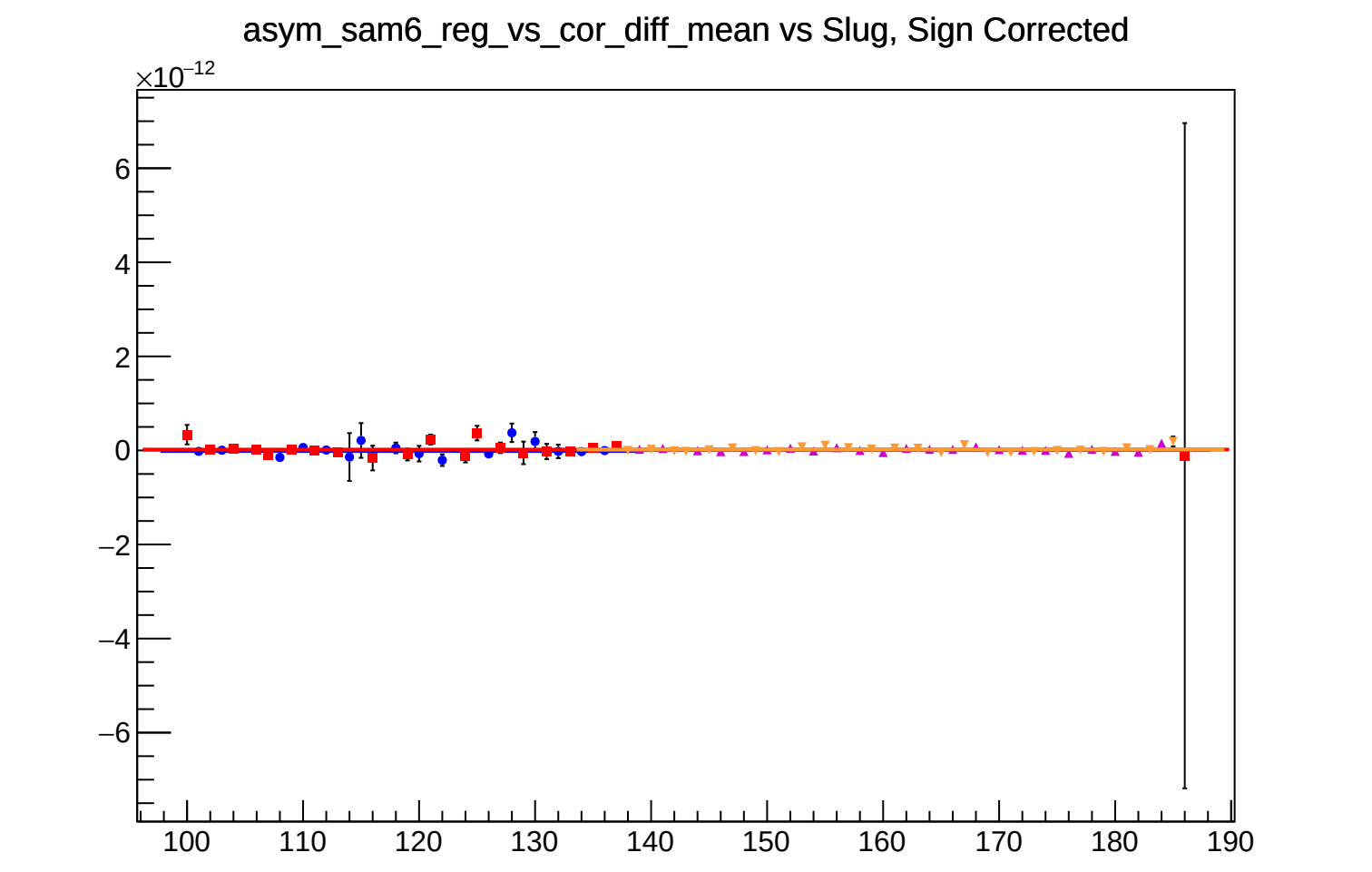
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 569.221+/-0.119 χ^2/NDF: 7185713.8/35

In: 791.635+/-0.121 χ^2/NDF:8220822.0/38

Out: 810.505+/-0.119 χ^2/NDF:7912412.8/44

All: 801.232+/-0.085 χ^2/NDF: 16145582.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/19

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

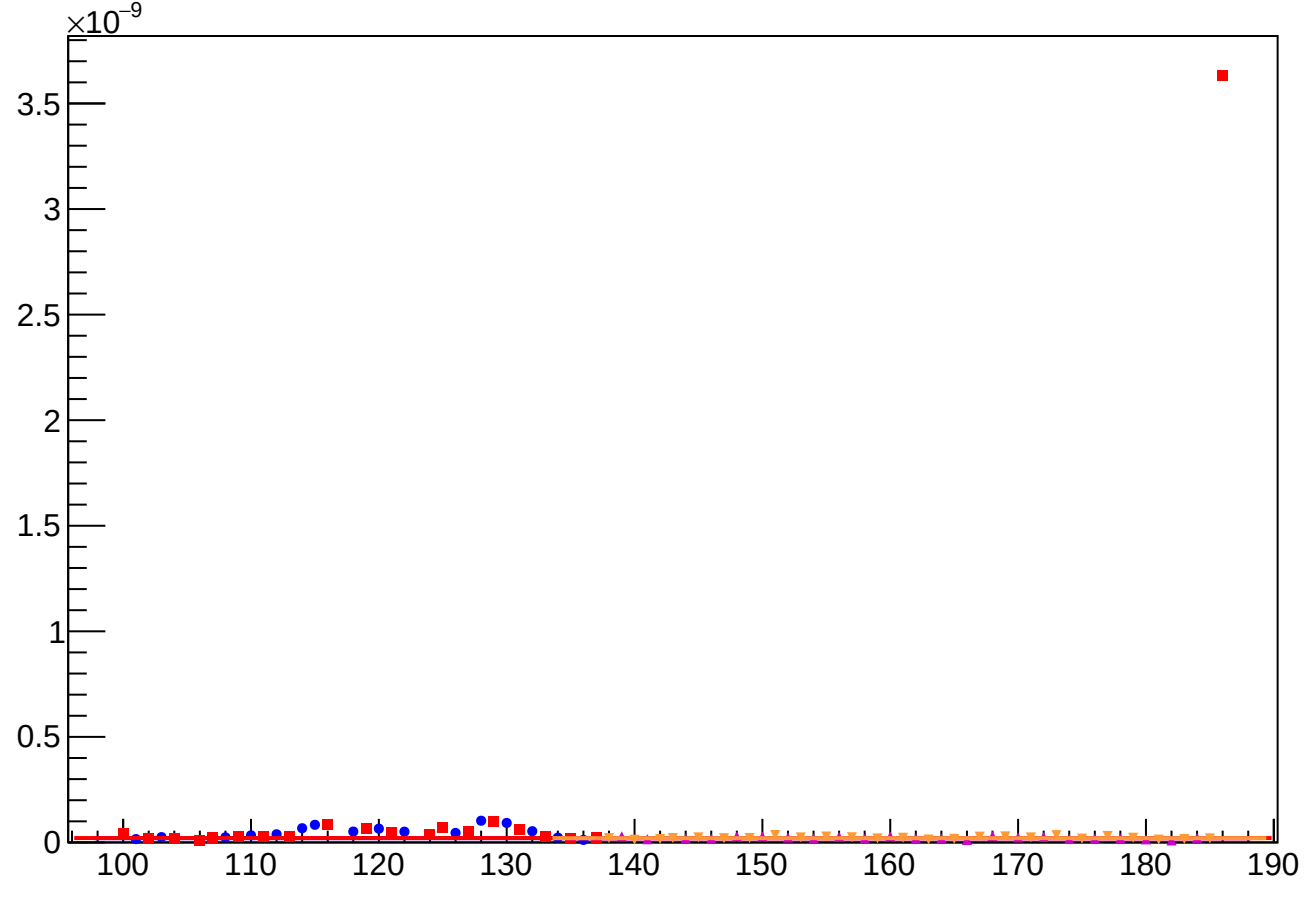
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 38.7/35

In: 0.000+/-0.000 χ^2/NDF:36.2/38

Out: 0.000+/-0.000 χ^2/NDF:49.9/44

All: 0.000+/-0.000 χ^2/NDF: 89.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

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

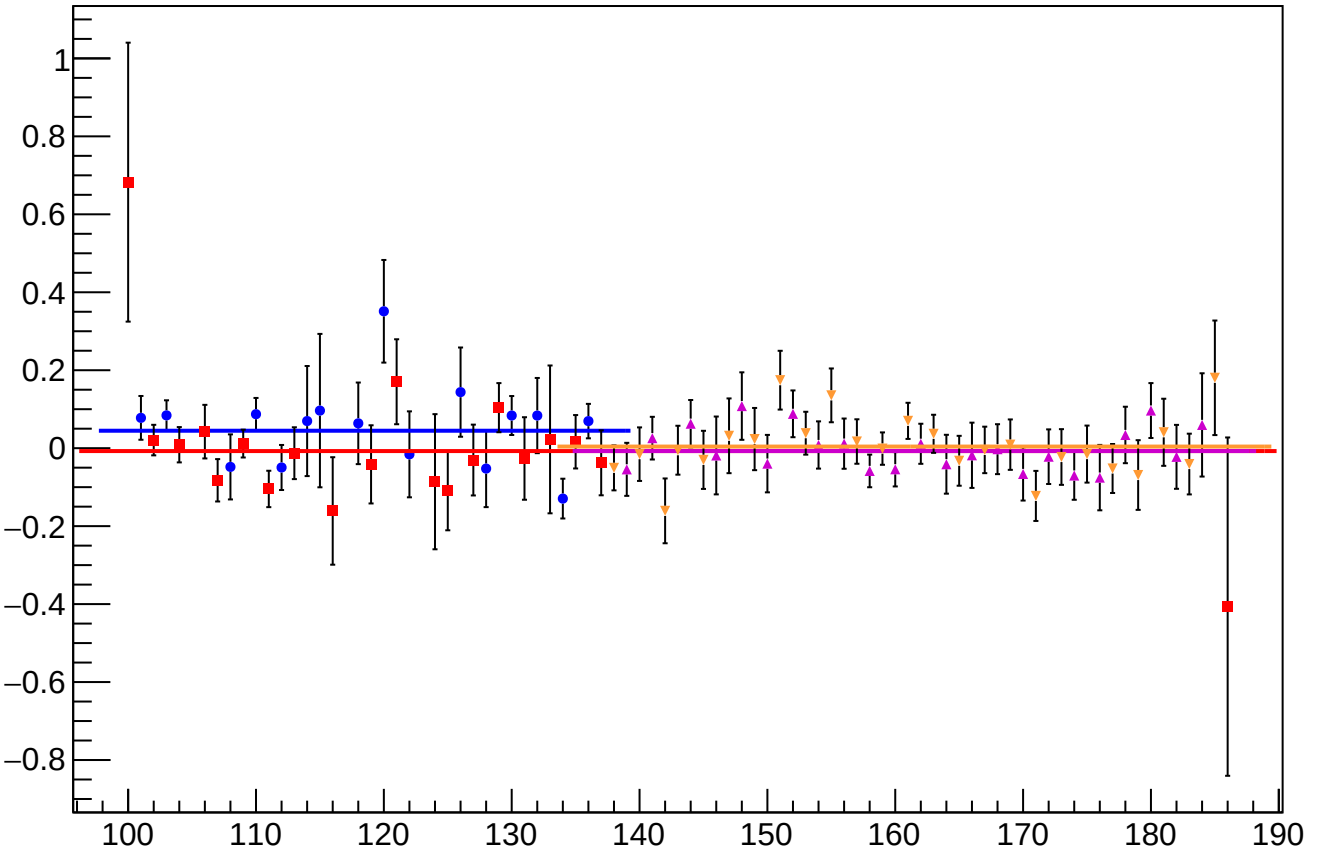
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4384087.8/35

In: 0.000+/-0.000 χ^2/NDF:3063105.1/38

Out: 0.000+/-0.000 χ^2/NDF:3374426.5/44

All: 0.000+/-0.000 χ^2/NDF: 6453438.4/83



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

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

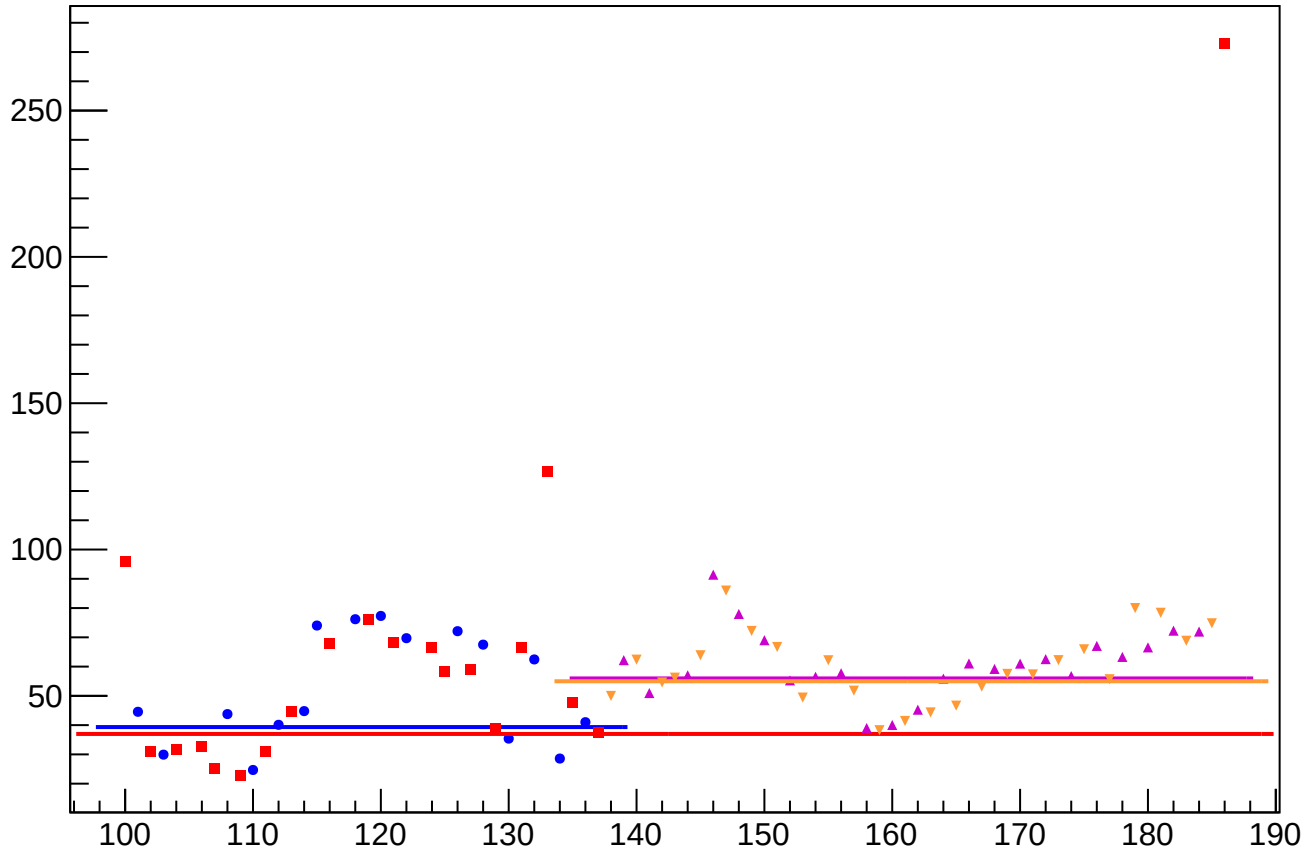
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.2/35

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.1/83



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

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

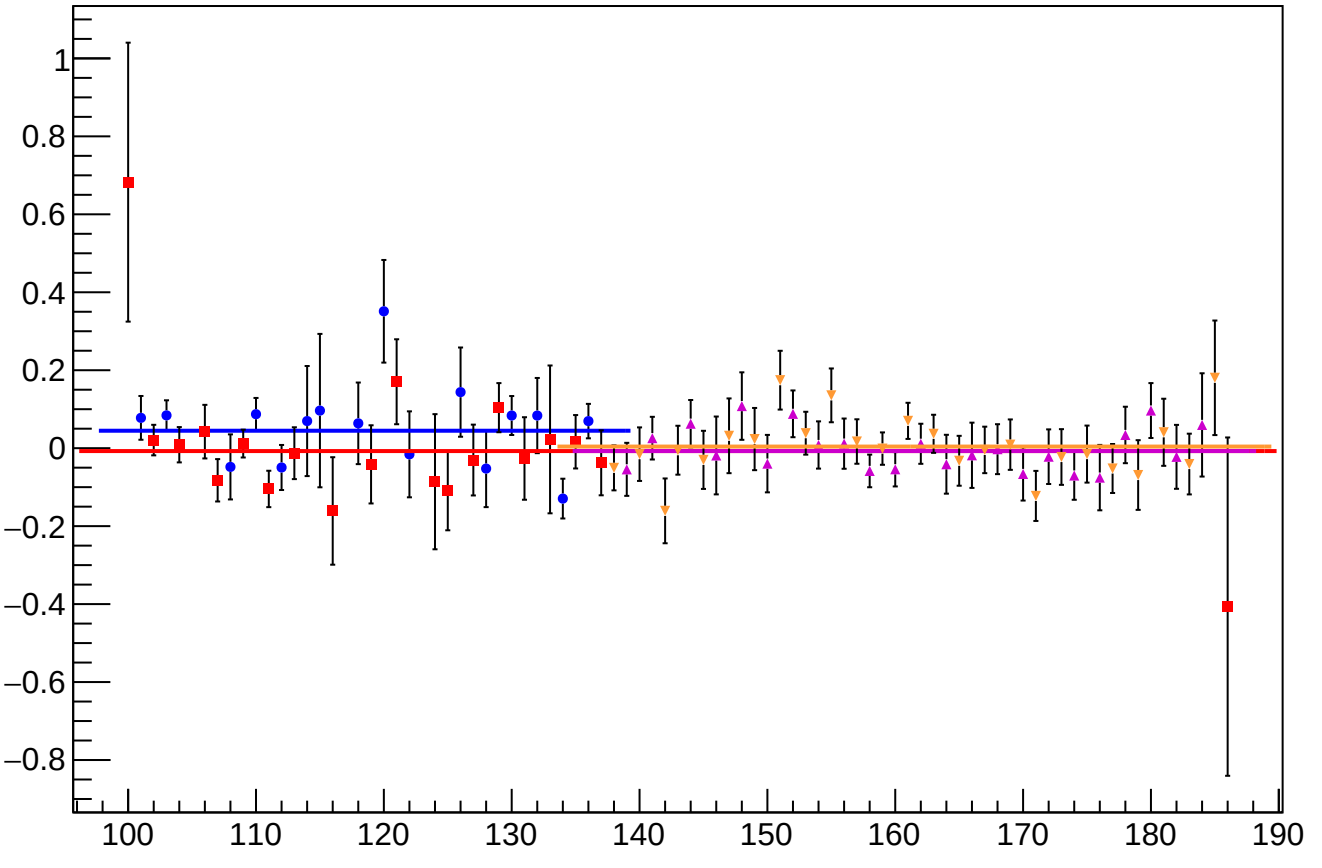
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 38.091+/-0.008 χ^2/NDF: 4277712.9/35

In: 49.044+/-0.007 χ^2/NDF:4230057.2/38

Out: 47.356+/-0.007 χ^2/NDF:5892235.8/44

All: 48.158+/-0.005 χ^2/NDF: 10150314.5/83



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

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

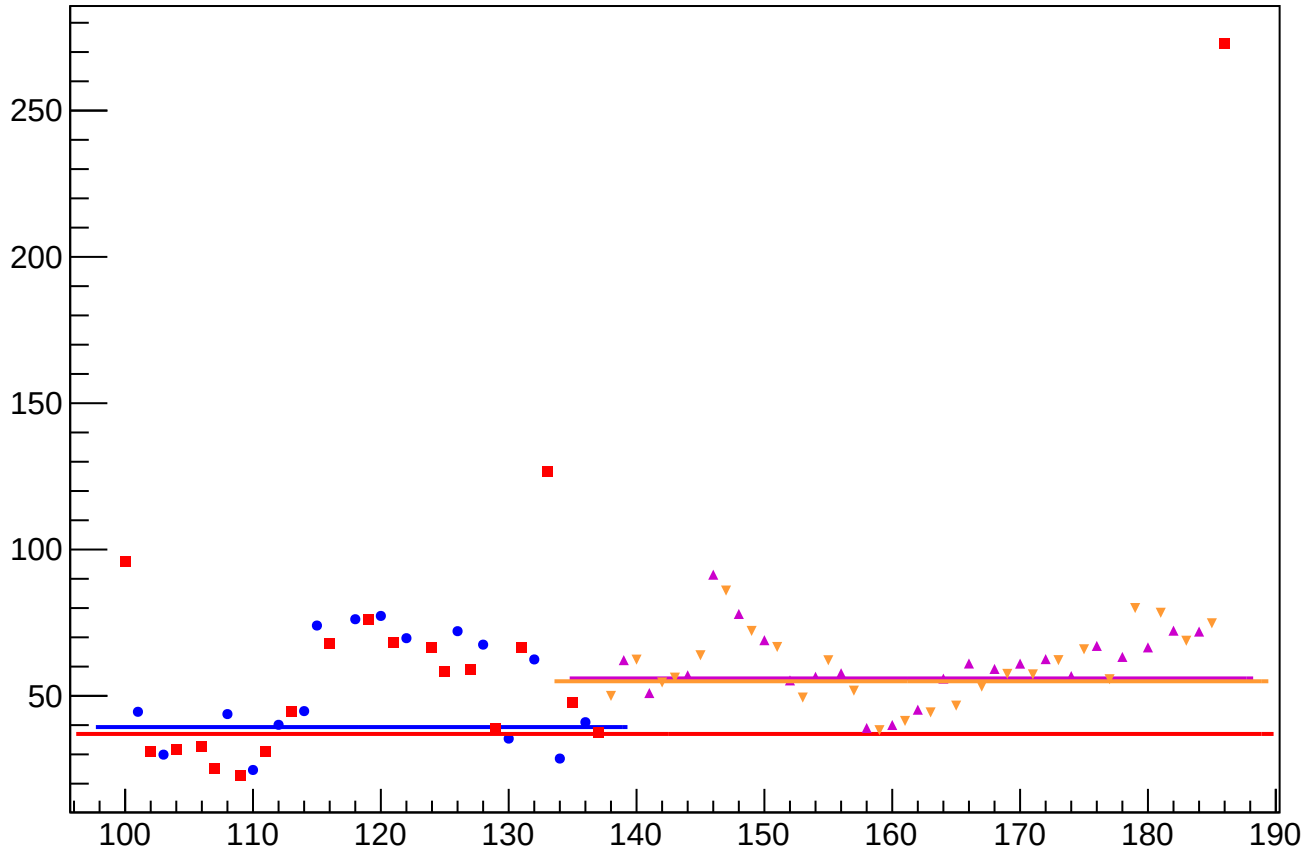
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.2/35

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.1/83



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

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

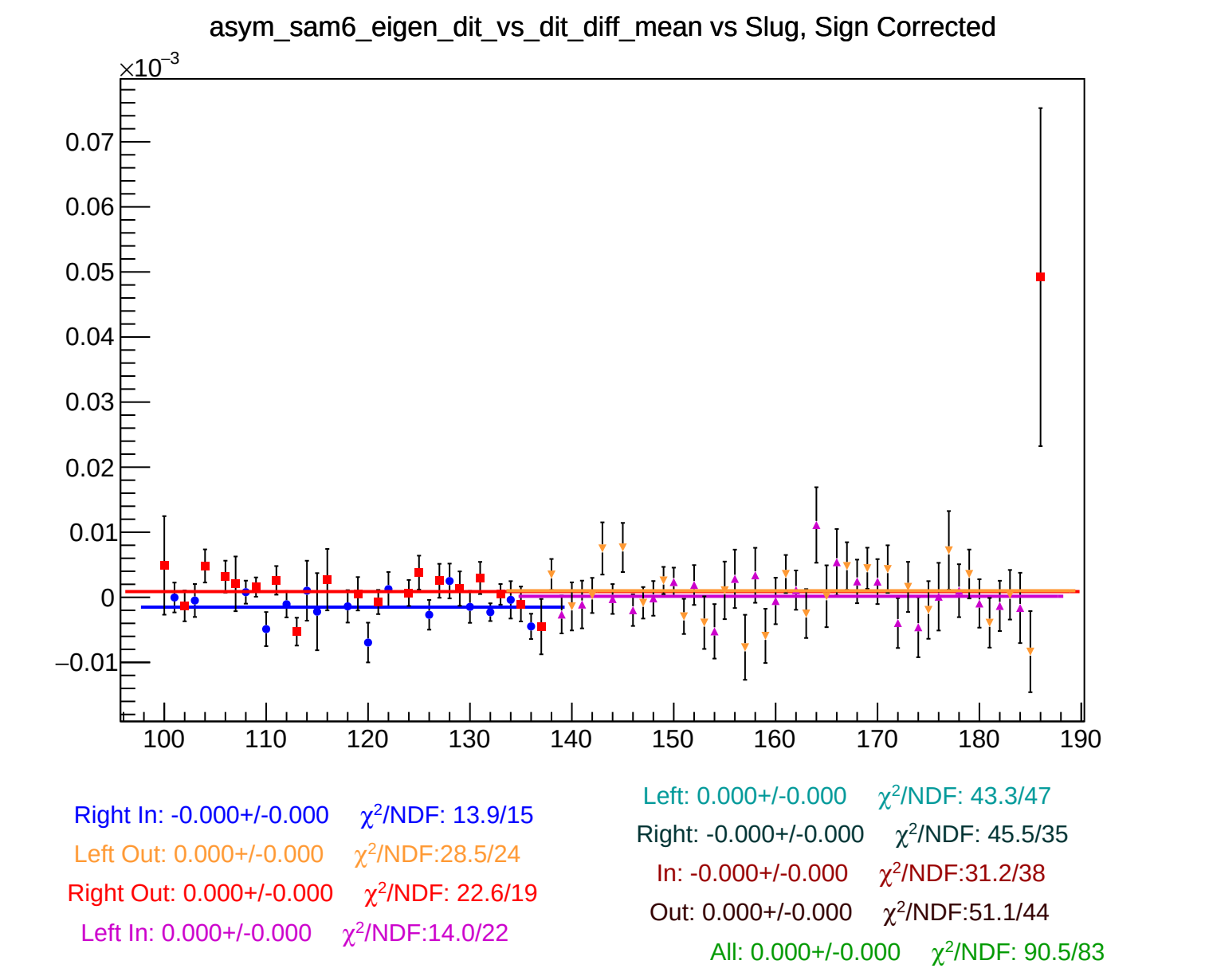
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

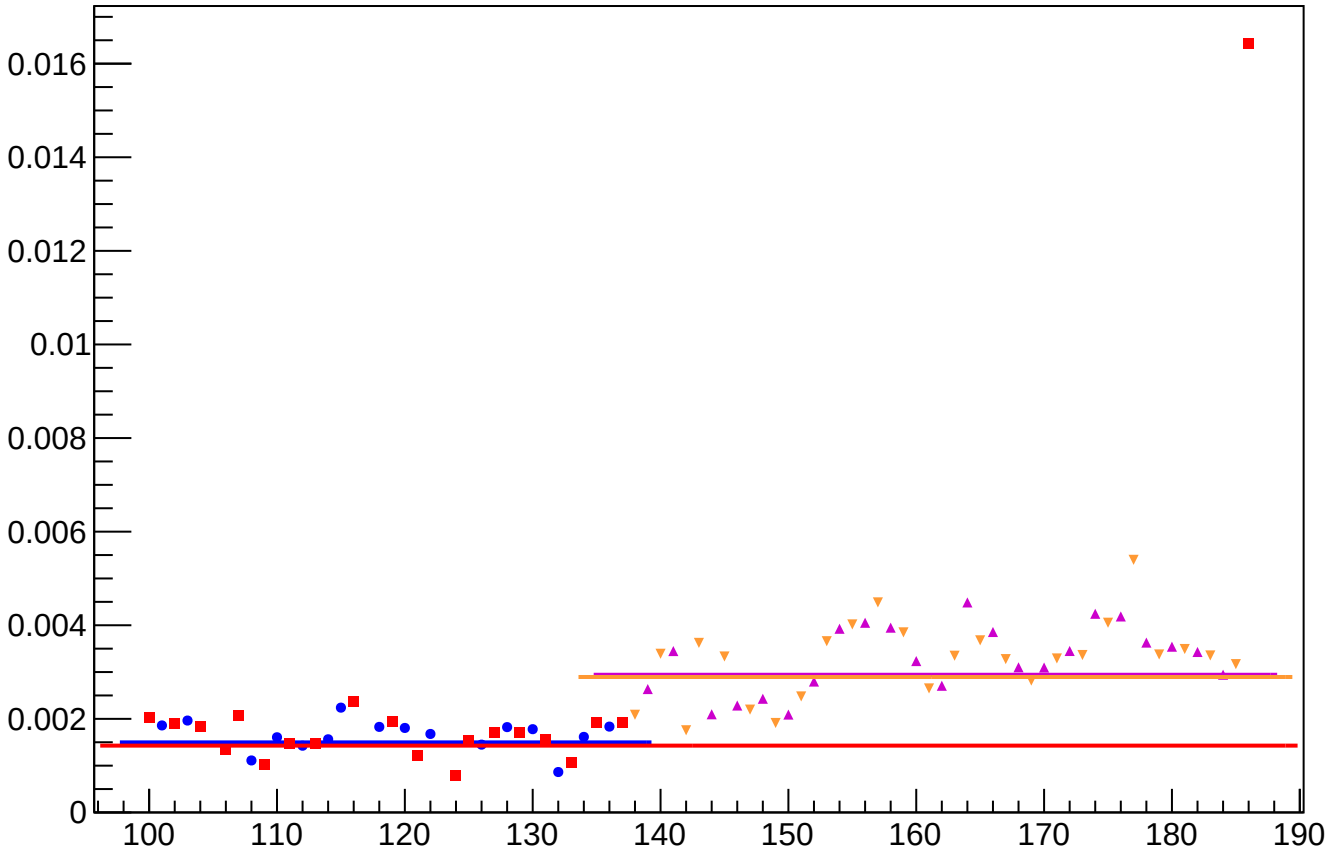
Right: 38.091+/-0.008 χ^2/NDF: 4277712.9/35

In: 49.044+/-0.007 χ^2/NDF:4230057.2/38

Out: 47.356+/-0.007 χ^2/NDF:5892235.8/44

All: 48.158+/-0.005 χ^2/NDF: 10150314.5/83


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.6/19
Left In: 0.000+/-0.000 χ²/NDF:14.0/22
Left: 0.000+/-0.000 χ²/NDF: 43.3/47
Right: -0.000+/-0.000 χ²/NDF: 45.5/35
In: -0.000+/-0.000 χ²/NDF:31.2/38
Out: 0.000+/-0.000 χ²/NDF:51.1/44
All: 0.000+/-0.000 χ²/NDF: 90.5/83



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

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

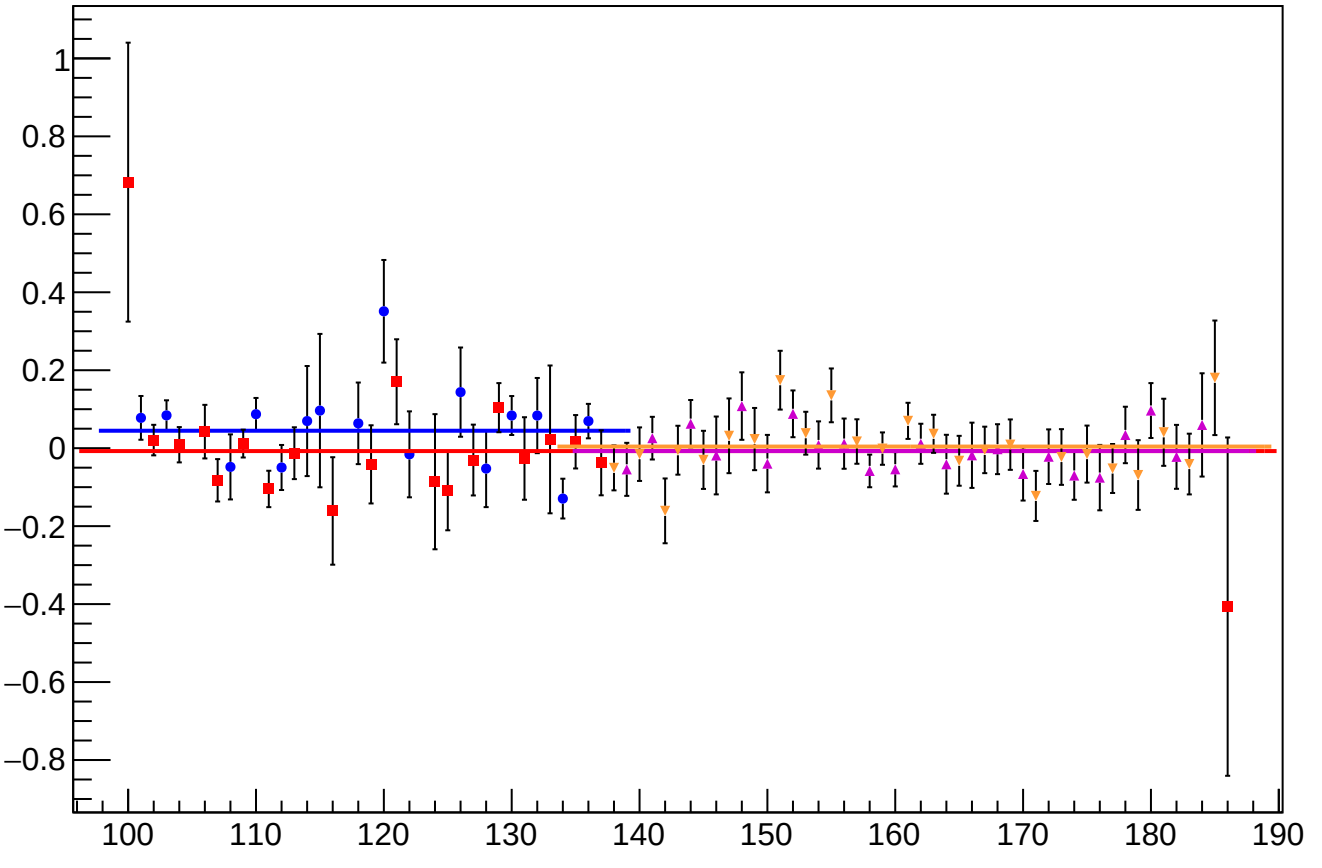
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.001+/-0.000 χ^2/NDF: 2547994.2/35

In: 0.002+/-0.000 χ^2/NDF:7719921.7/38

Out: 0.002+/-0.000 χ^2/NDF:9924093.3/44

All: 0.002+/-0.000 χ^2/NDF: 17680433.5/83



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

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

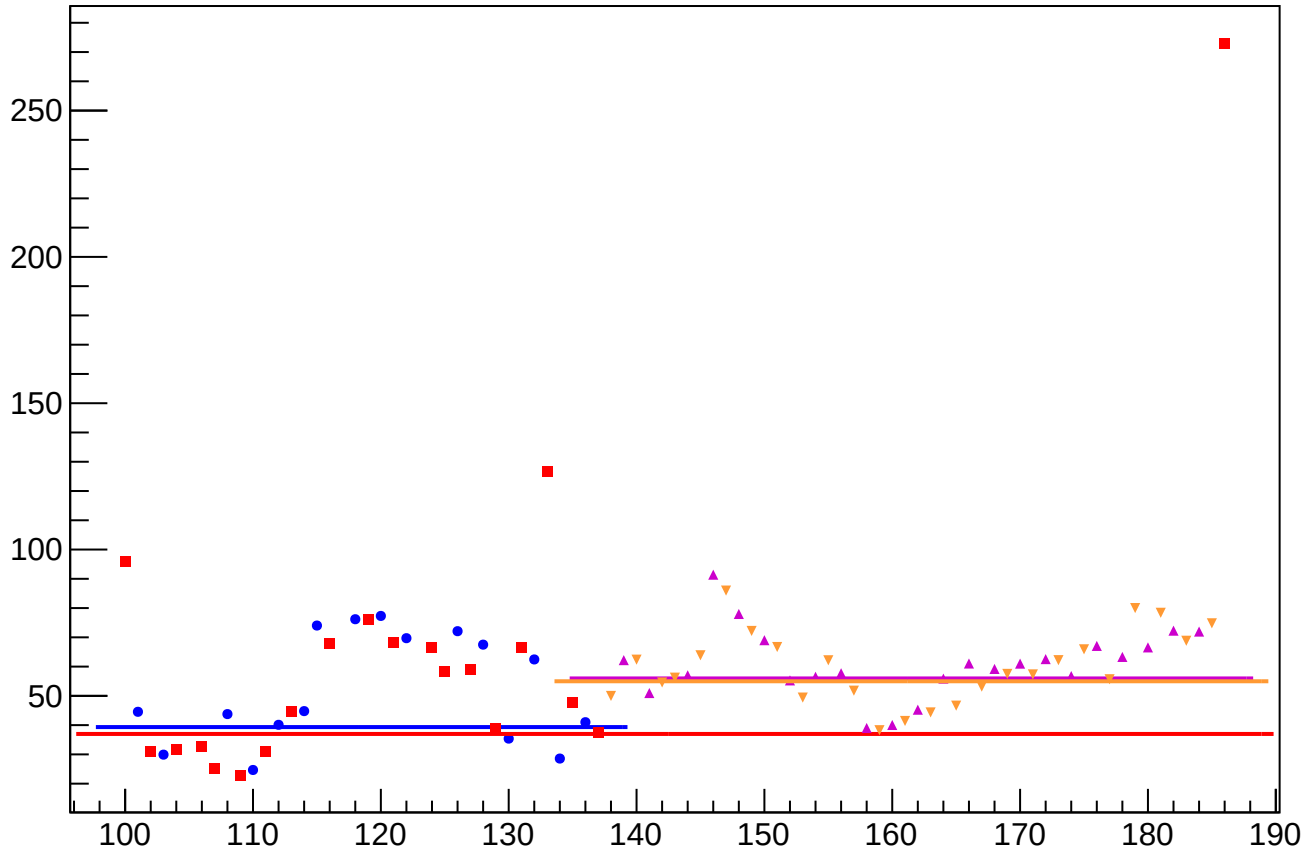
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.2/35

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.1/83



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

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

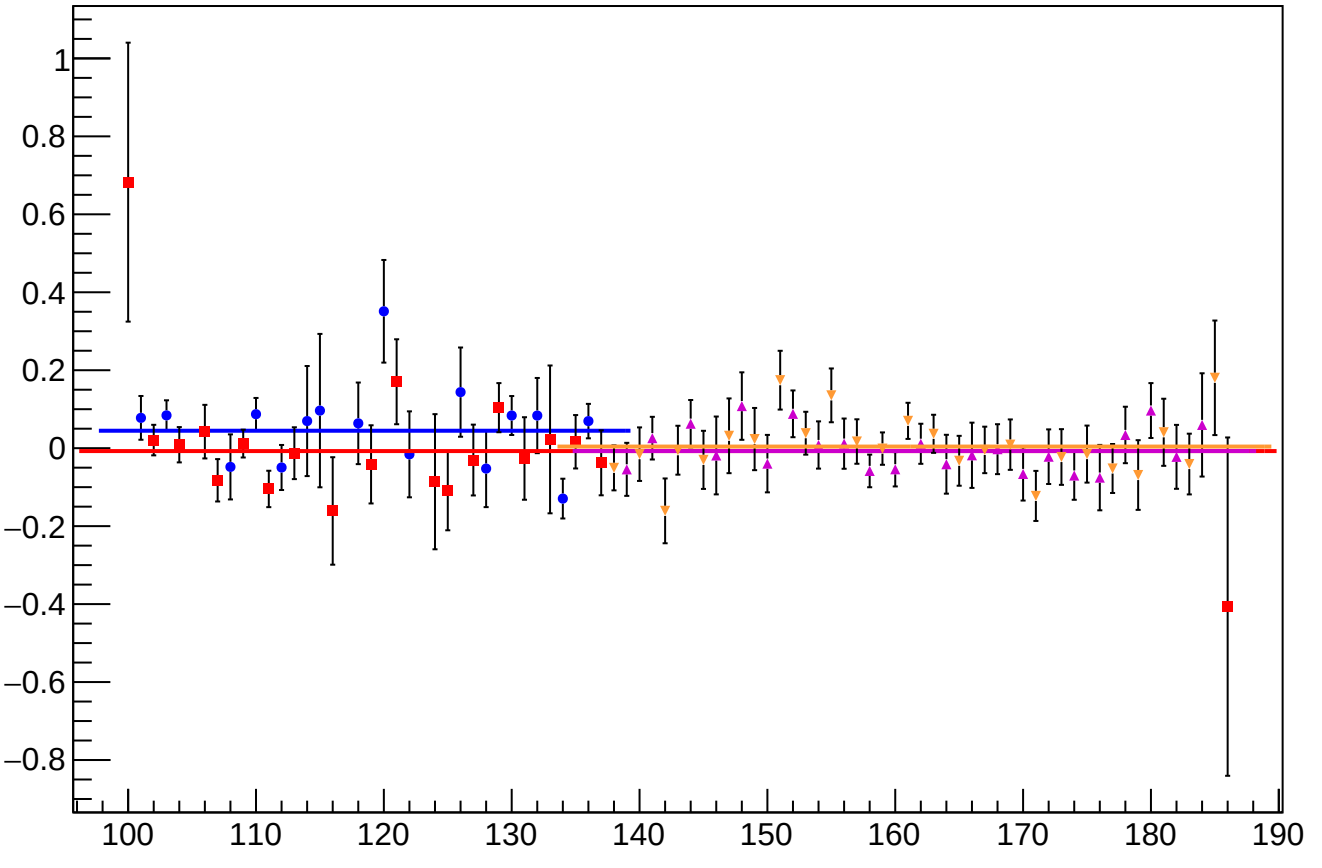
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 38.090+/-0.008 χ^2/NDF: 4277723.2/35

In: 49.043+/-0.007 χ^2/NDF:4230185.5/38

Out: 47.355+/-0.007 χ^2/NDF:5892254.0/44

All: 48.157+/-0.005 χ^2/NDF: 10150453.4/83



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

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

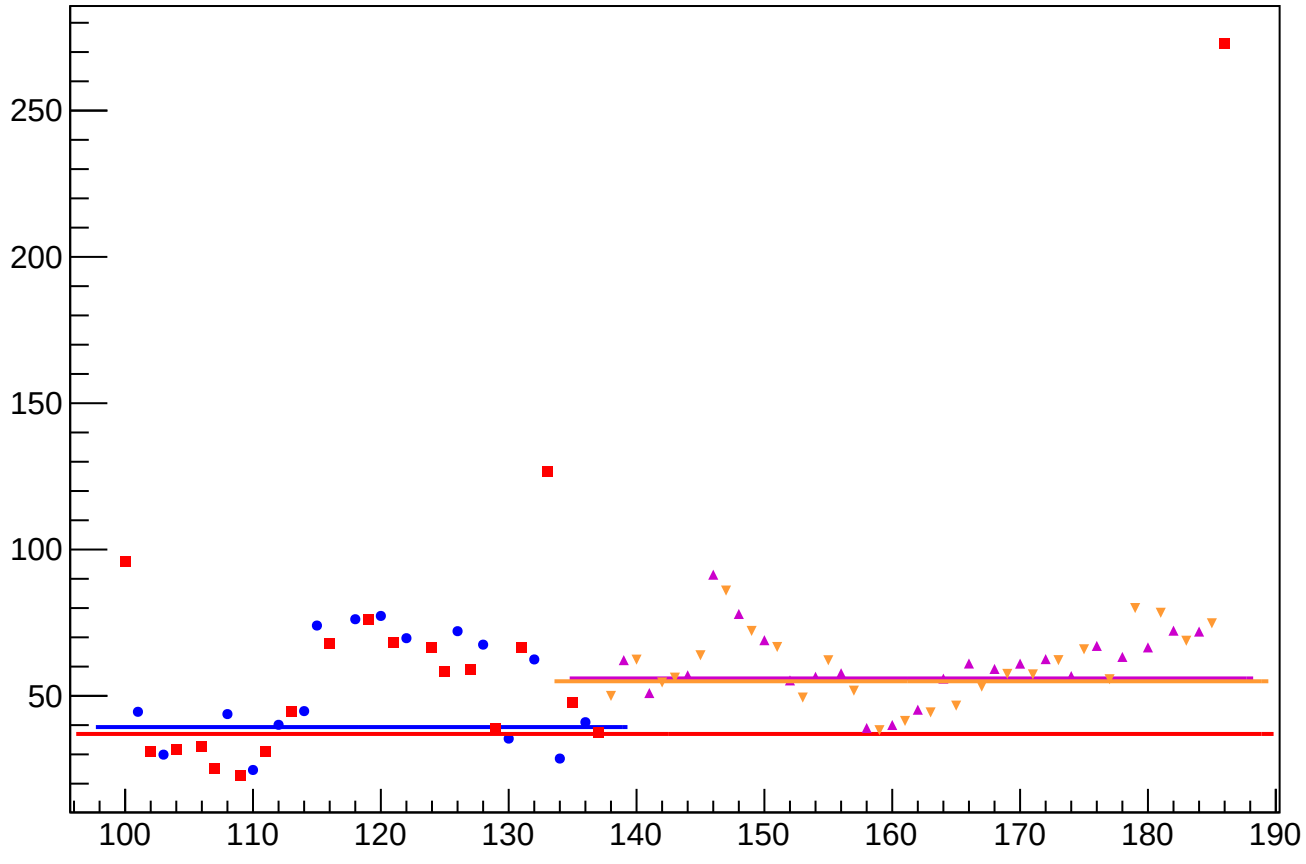
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.017+/-0.011 χ^2/NDF: 53.2/35

In: 0.014+/-0.010 χ^2/NDF:47.9/38

Out: -0.001+/-0.010 χ^2/NDF:46.1/44

All: 0.006+/-0.007 χ^2/NDF: 95.1/83



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

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

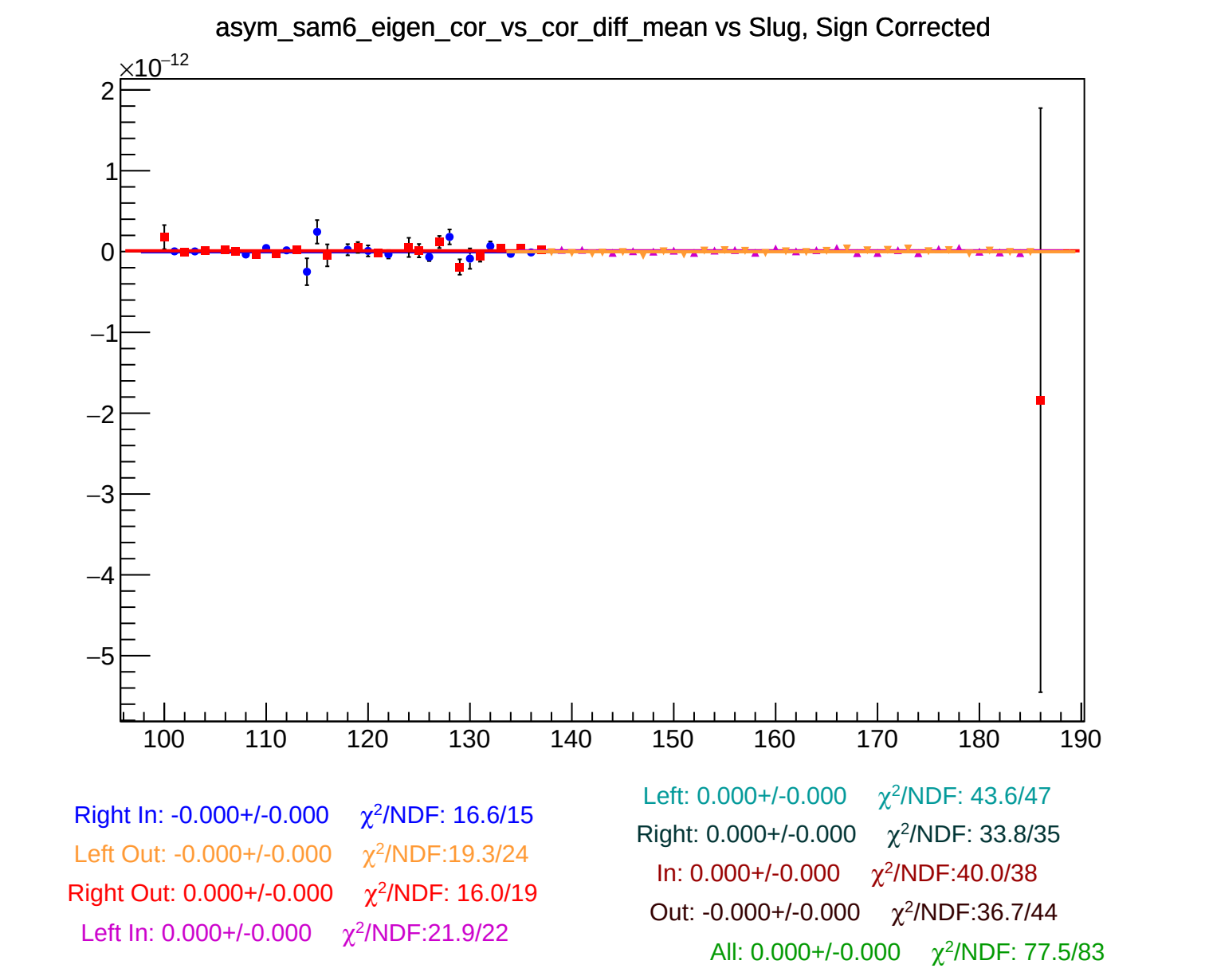
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

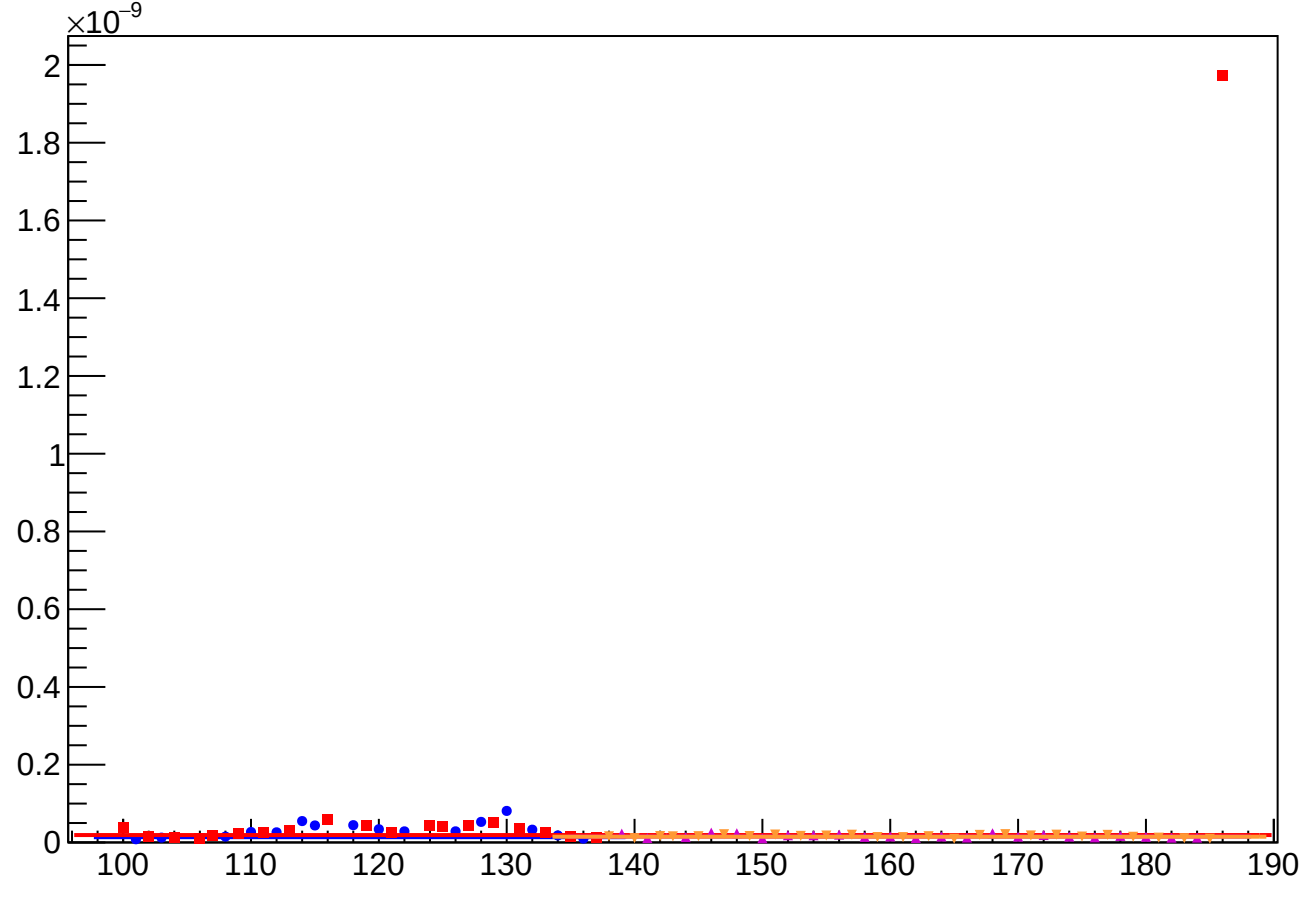
Right: 38.090+/-0.008 χ^2/NDF: 4277723.2/35

In: 49.043+/-0.007 χ^2/NDF:4230185.5/38

Out: 47.355+/-0.007 χ^2/NDF:5892254.0/44

All: 48.157+/-0.005 χ^2/NDF: 10150453.4/83


asym_sam6_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: 16.6/15
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: 33.8/35
In: 0.000+/-0.000 χ²/NDF:40.0/38
Out: -0.000+/-0.000 χ²/NDF:36.7/44
All: 0.000+/-0.000 χ²/NDF: 77.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

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

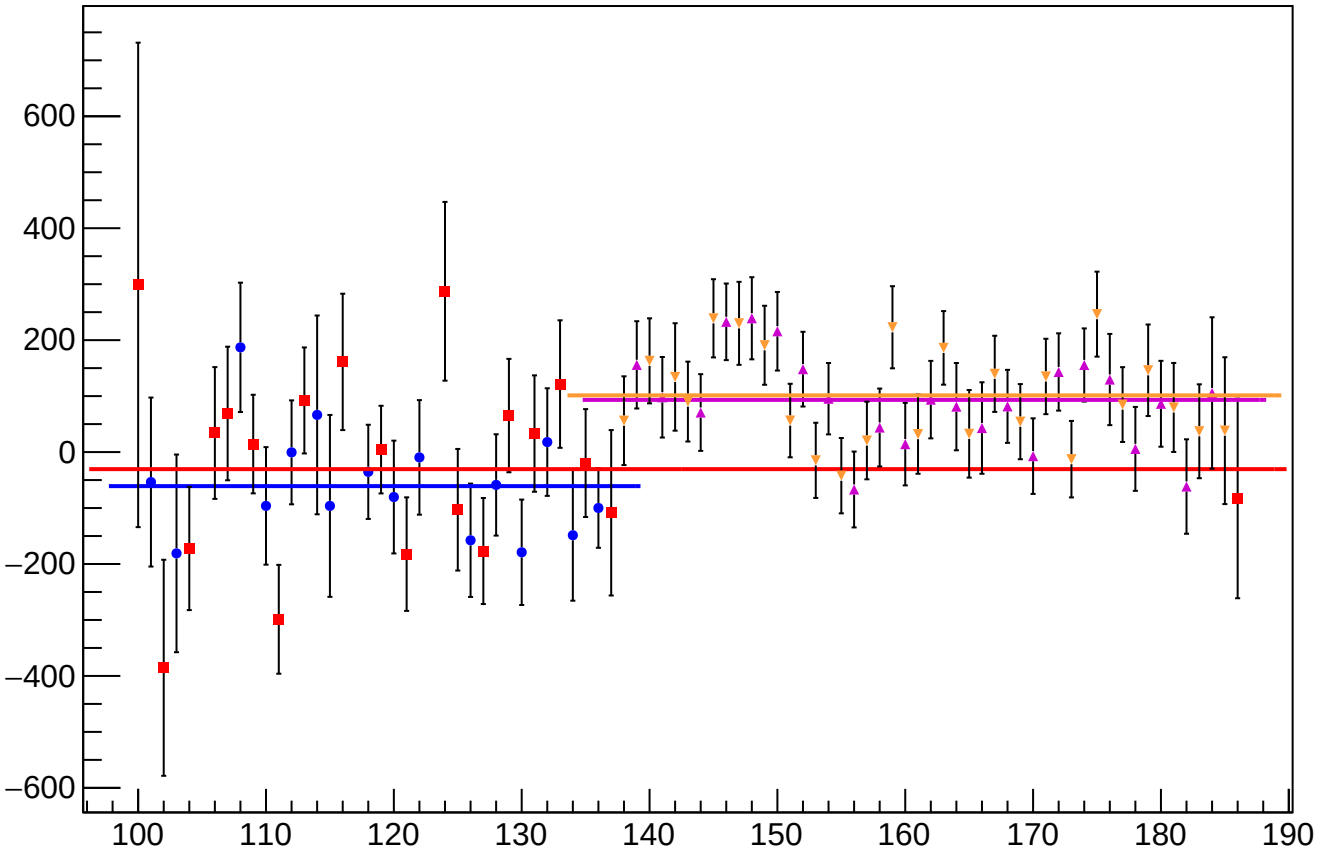
Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6261927.9/35

In: 0.000+/-0.000 χ^2/NDF:4666168.6/38

Out: 0.000+/-0.000 χ^2/NDF:4400557.5/44

All: 0.000+/-0.000 χ^2/NDF: 9126490.3/83



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

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

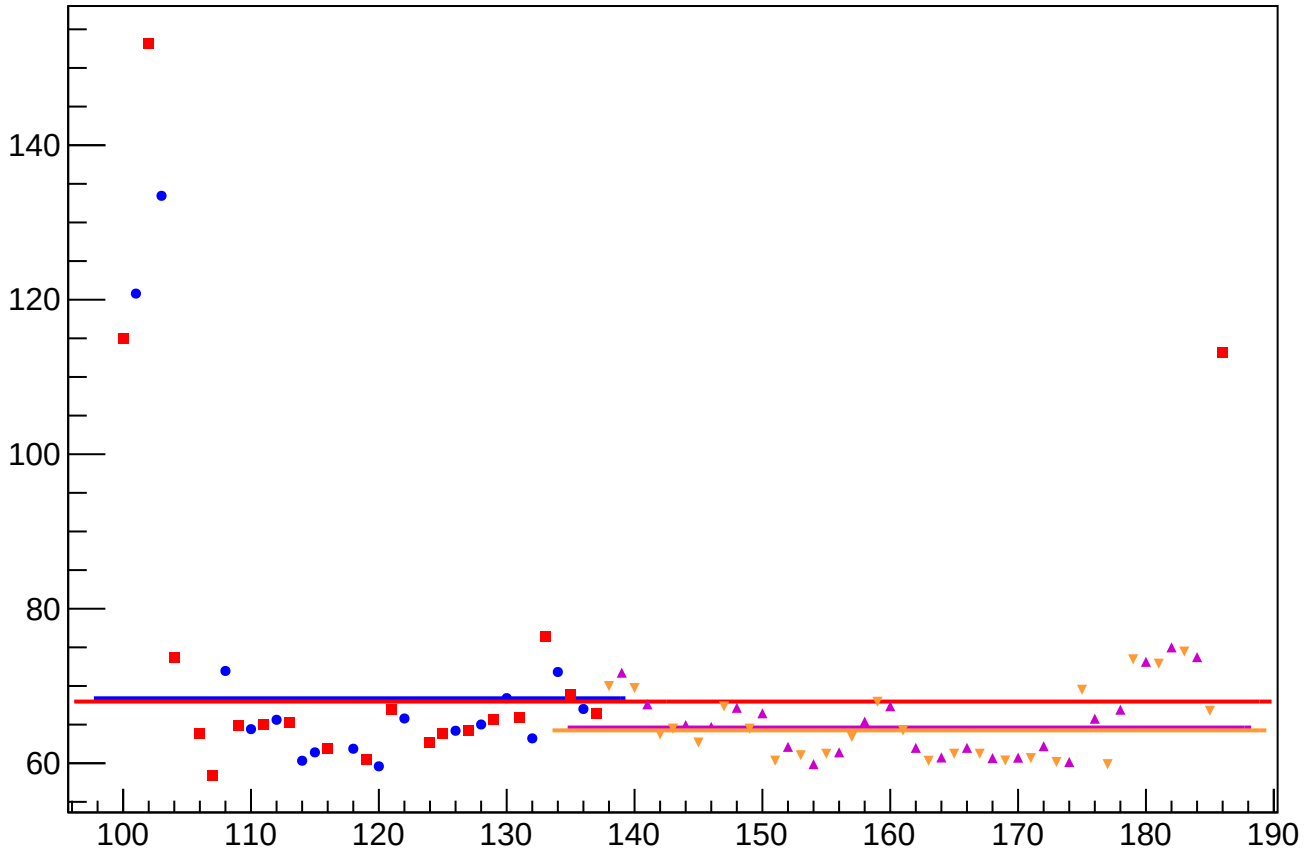
Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

Right: -44.957+/-17.986 χ^2/NDF: 42.6/35

In: 54.352+/-13.088 χ^2/NDF:65.6/38

Out: 67.377+/-12.616 χ^2/NDF:86.0/44

All: 61.104+/-9.083 χ^2/NDF: 152.1/83



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

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

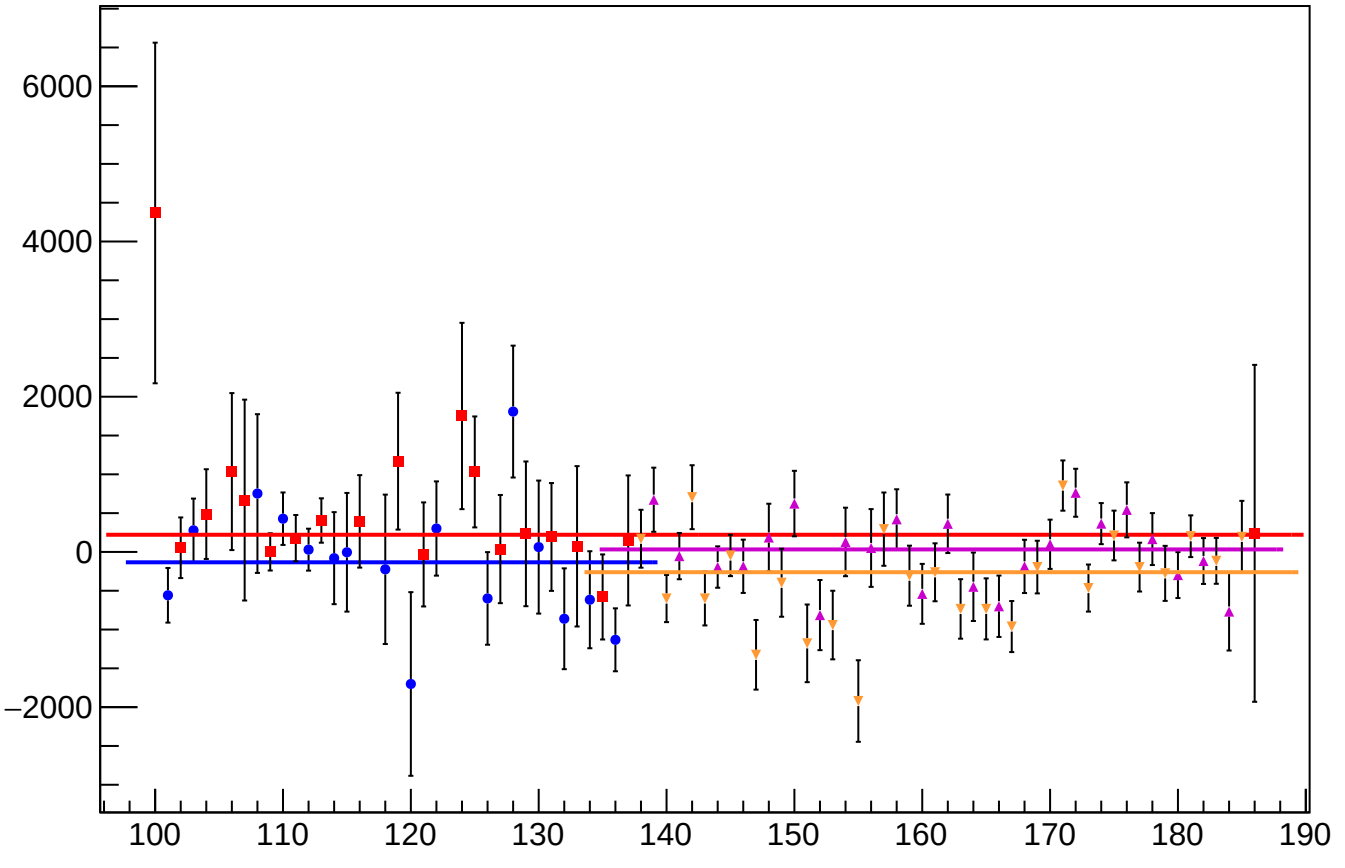
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 68.182+/-0.013 χ^2/NDF: 1182434.4/35

In: 65.576+/-0.009 χ^2/NDF:748269.2/38

Out: 65.215+/-0.009 χ^2/NDF:823640.8/44

All: 65.389+/-0.006 χ^2/NDF: 1572697.2/83



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

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

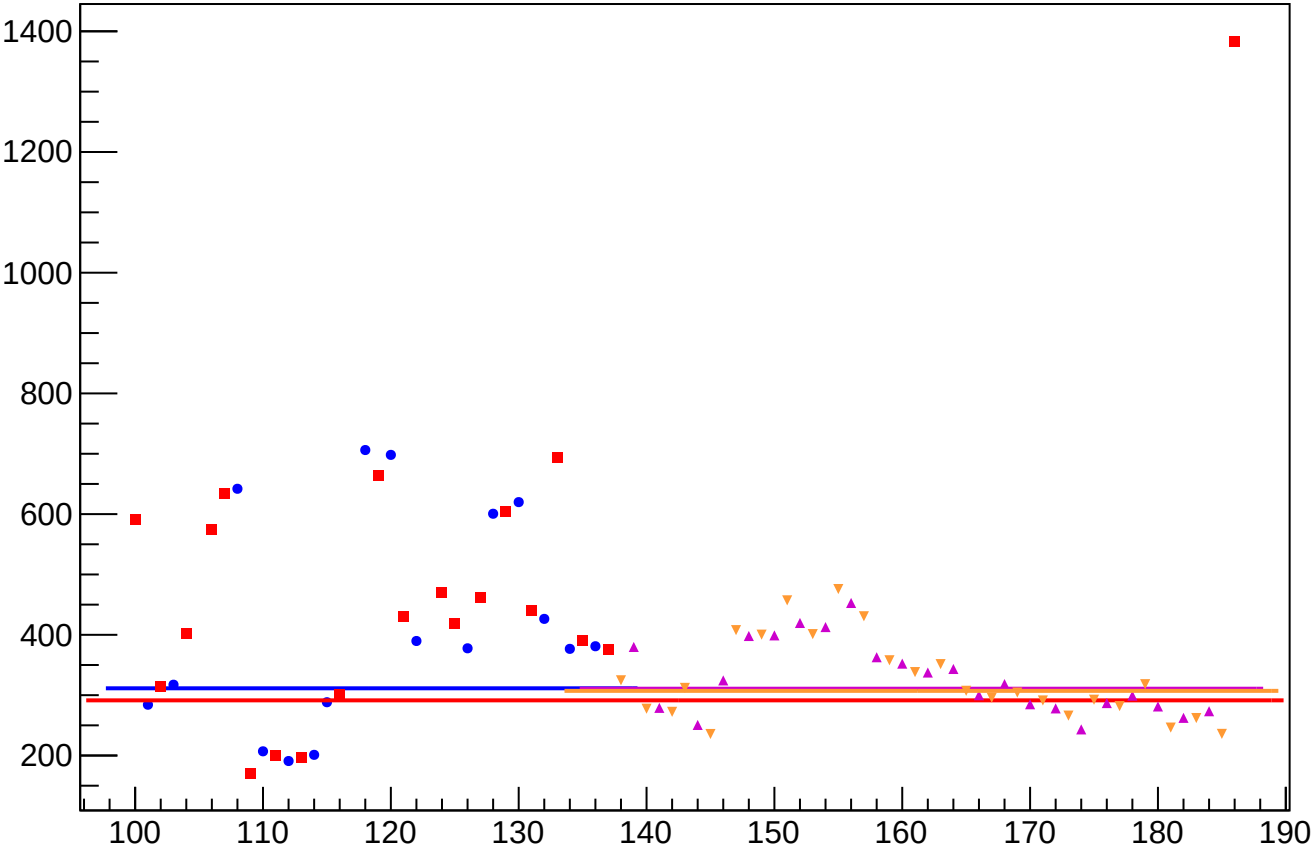
Right: 55.970+/-85.945 χ^2/NDF: 39.3/35

In: -10.062+/-63.692 χ^2/NDF:55.5/38

Out: -131.533+/-60.951 χ^2/NDF:83.7/44

All: -73.468+/-44.036 χ^2/NDF: 141.0/83

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

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

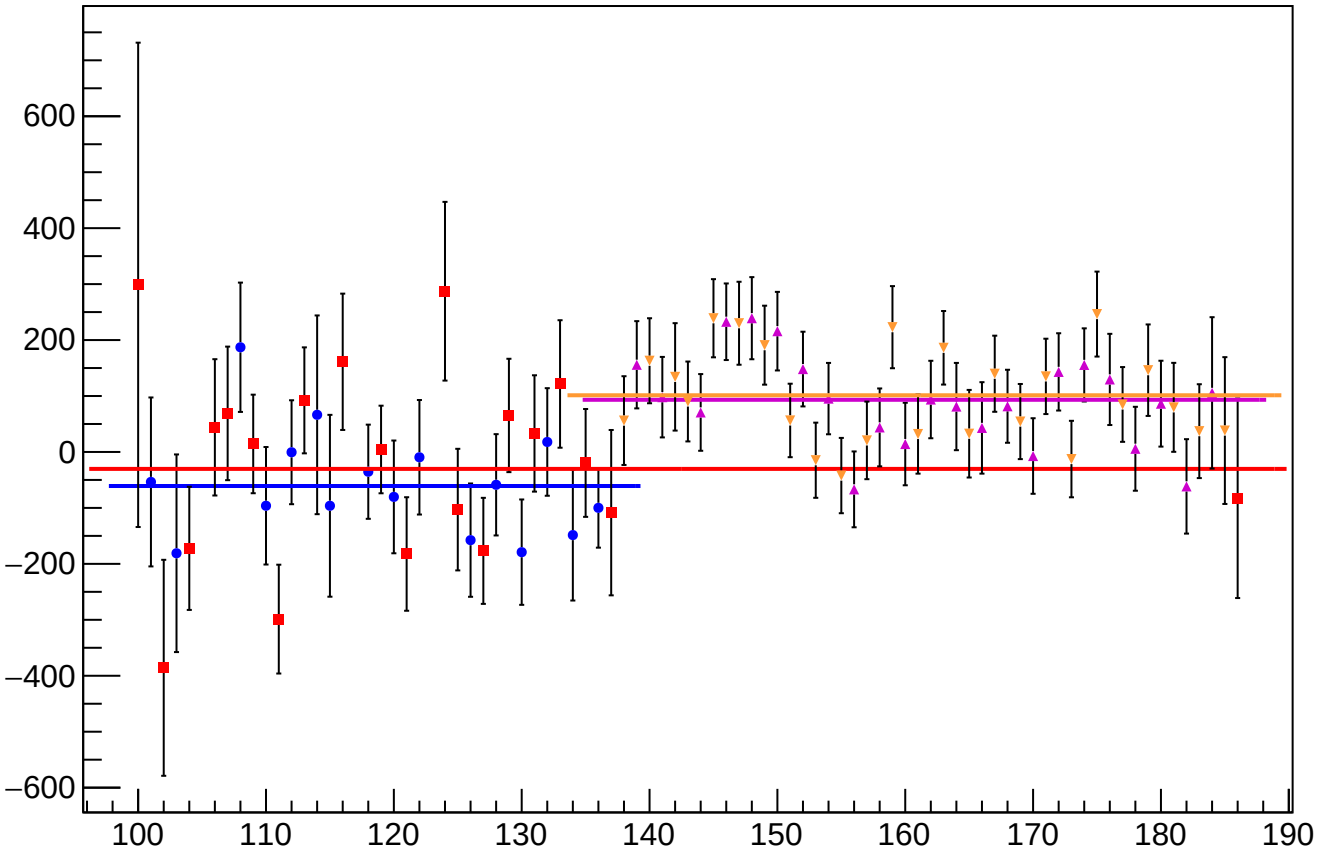
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 300.723+/-0.061 χ^2/NDF: 5373234.2/35

In: 310.874+/-0.045 χ^2/NDF:3203318.4/38

Out: 302.920+/-0.043 χ^2/NDF:4568874.4/44

All: 306.722+/-0.031 χ^2/NDF: 7788473.5/83



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

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

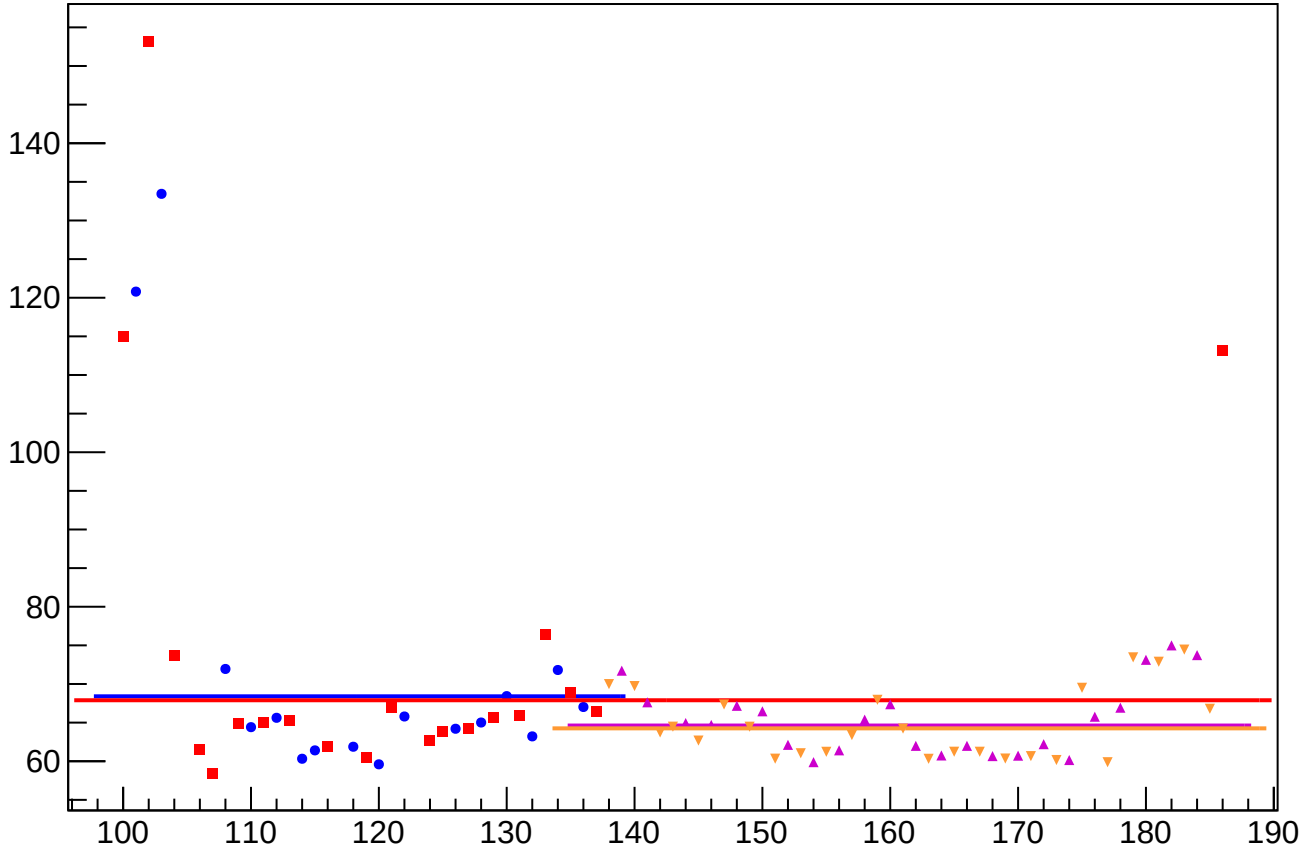
Right: -44.862+/-18.000 χ^2/NDF: 42.7/35

In: 54.351+/-13.088 χ^2/NDF:65.6/38

Out: 67.509+/-12.621 χ^2/NDF:86.0/44

All: 61.169+/-9.085 χ^2/NDF: 152.1/83

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

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

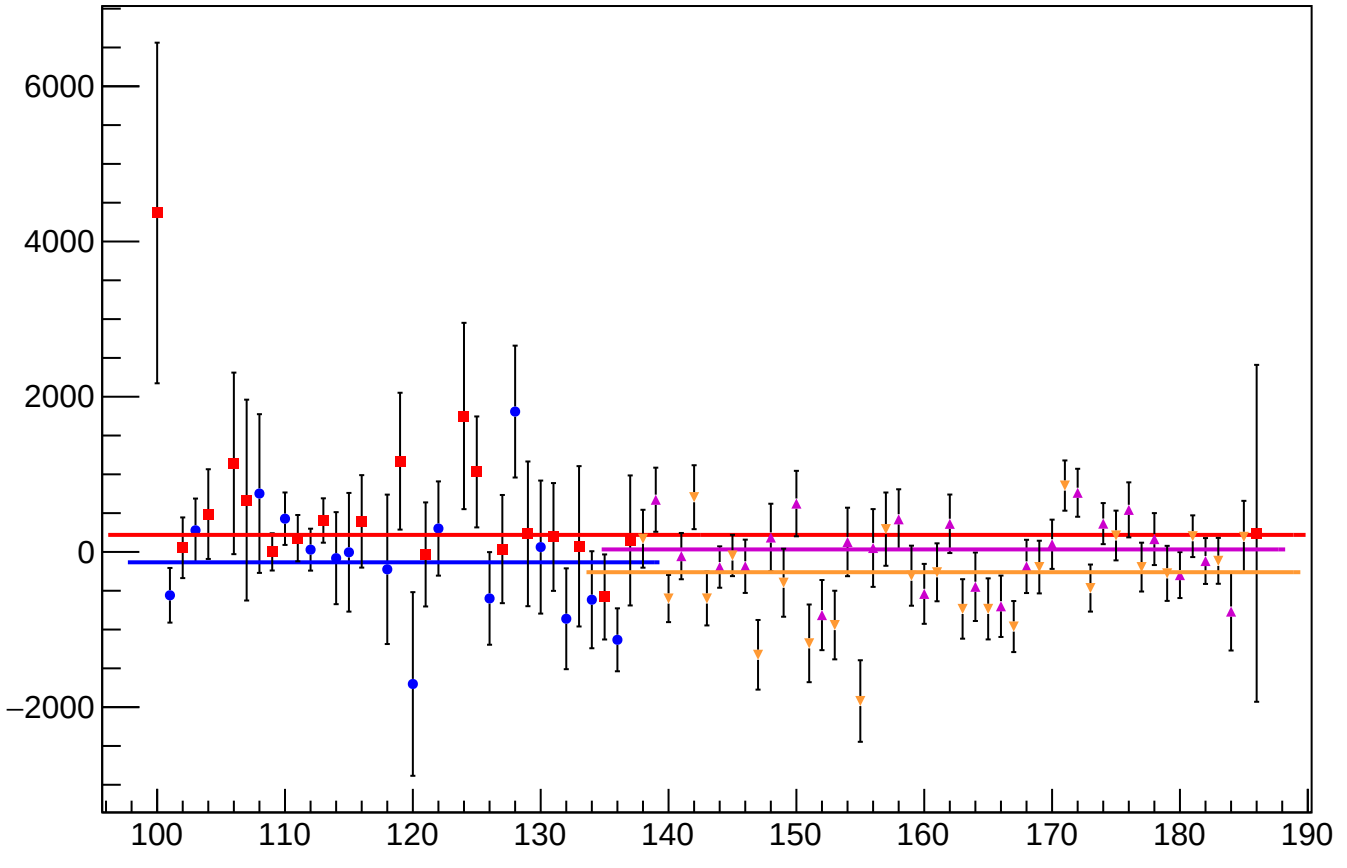
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 68.137+/-0.013 χ^2/NDF: 1185741.8/35

In: 65.576+/-0.009 χ^2/NDF:748269.6/38

Out: 65.191+/-0.009 χ^2/NDF:825220.5/44

All: 65.376+/-0.006 χ^2/NDF: 1574386.9/83



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 219.674+/-117.816 χ^2/NDF: 12.5/19

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

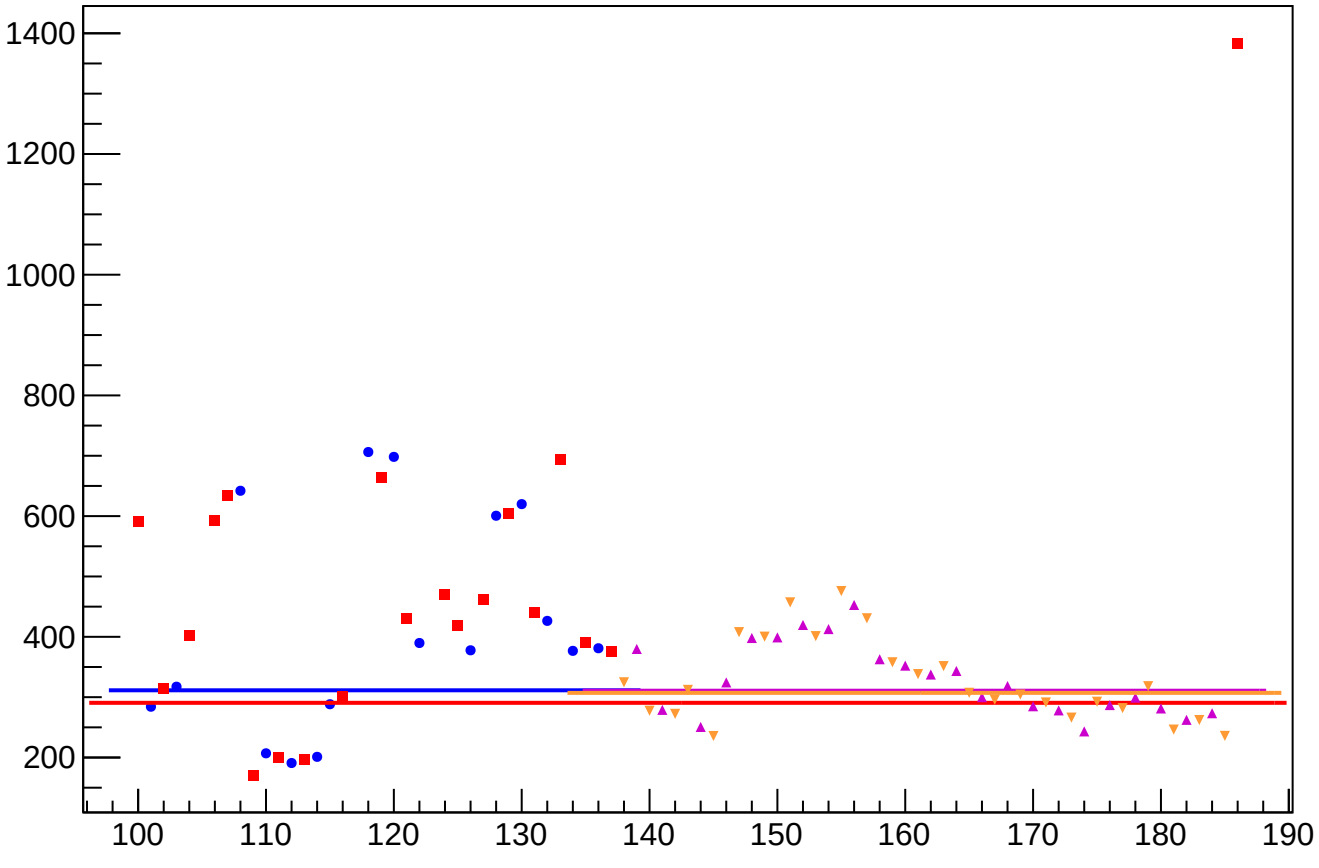
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 54.755+/-86.026 χ^2/NDF: 39.2/35

In: -10.063+/-63.692 χ^2/NDF:55.5/38

Out: -132.322+/-60.979 χ^2/NDF:83.5/44

All: -73.852+/-44.047 χ^2/NDF: 140.9/83



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

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

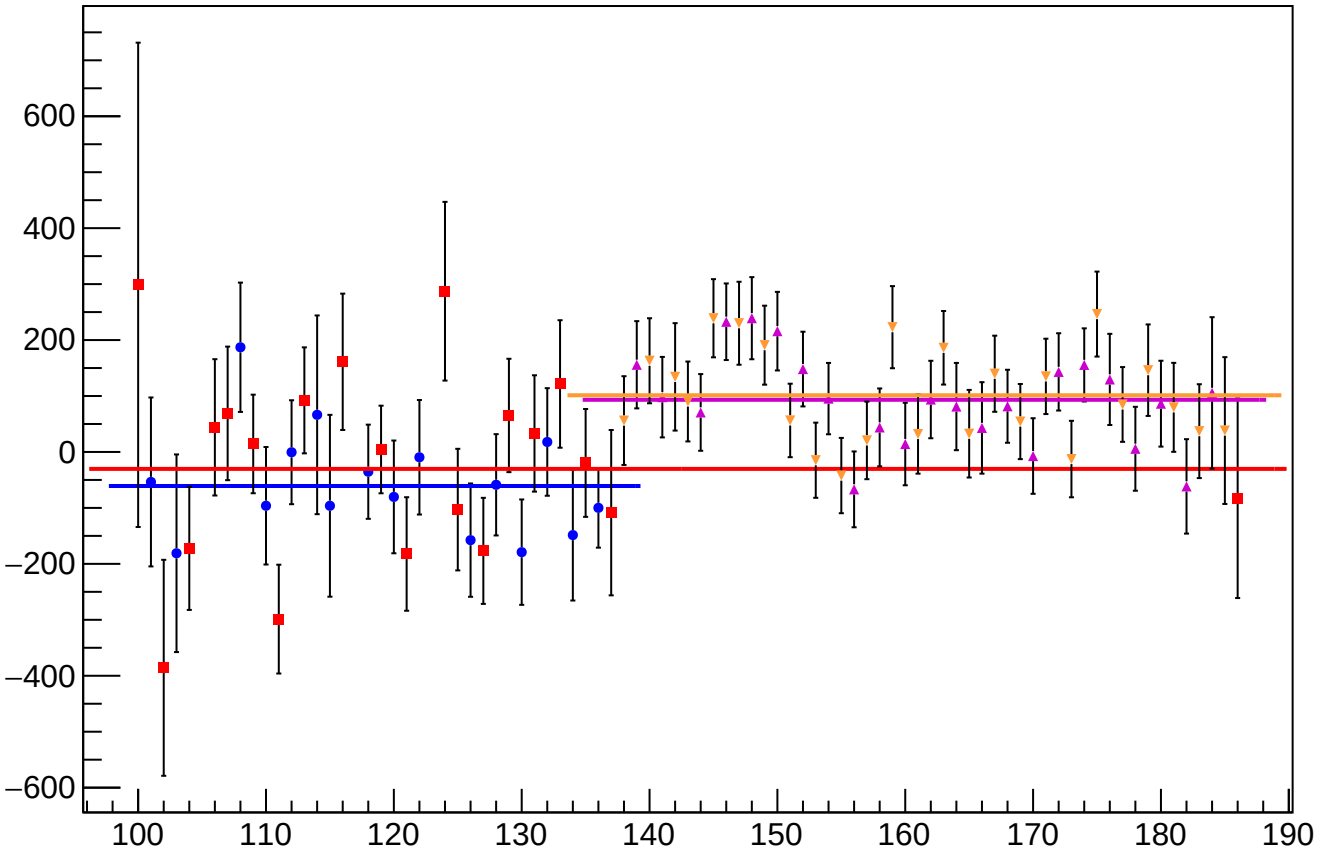
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 300.326+/-0.061 χ^2/NDF: 5350932.2/35

In: 310.874+/-0.045 χ^2/NDF:3203323.6/38

Out: 302.722+/-0.043 χ^2/NDF:4547052.9/44

All: 306.621+/-0.031 χ^2/NDF: 7767471.3/83



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

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

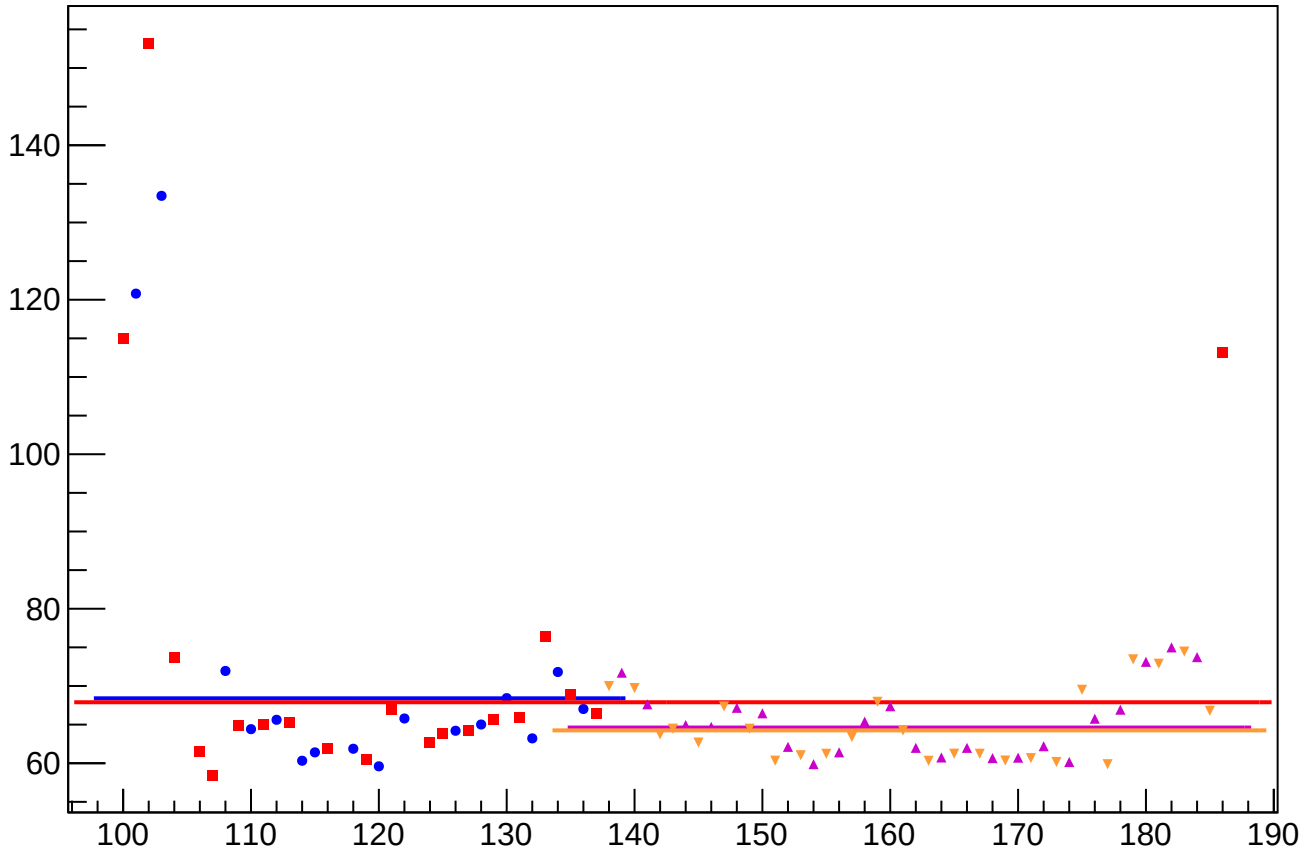
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -44.862+/-18.000 χ^2/NDF: 42.7/35

In: 54.351+/-13.088 χ^2/NDF:65.6/38

Out: 67.509+/-12.621 χ^2/NDF:86.0/44

All: 61.169+/-9.085 χ^2/NDF: 152.1/83



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

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

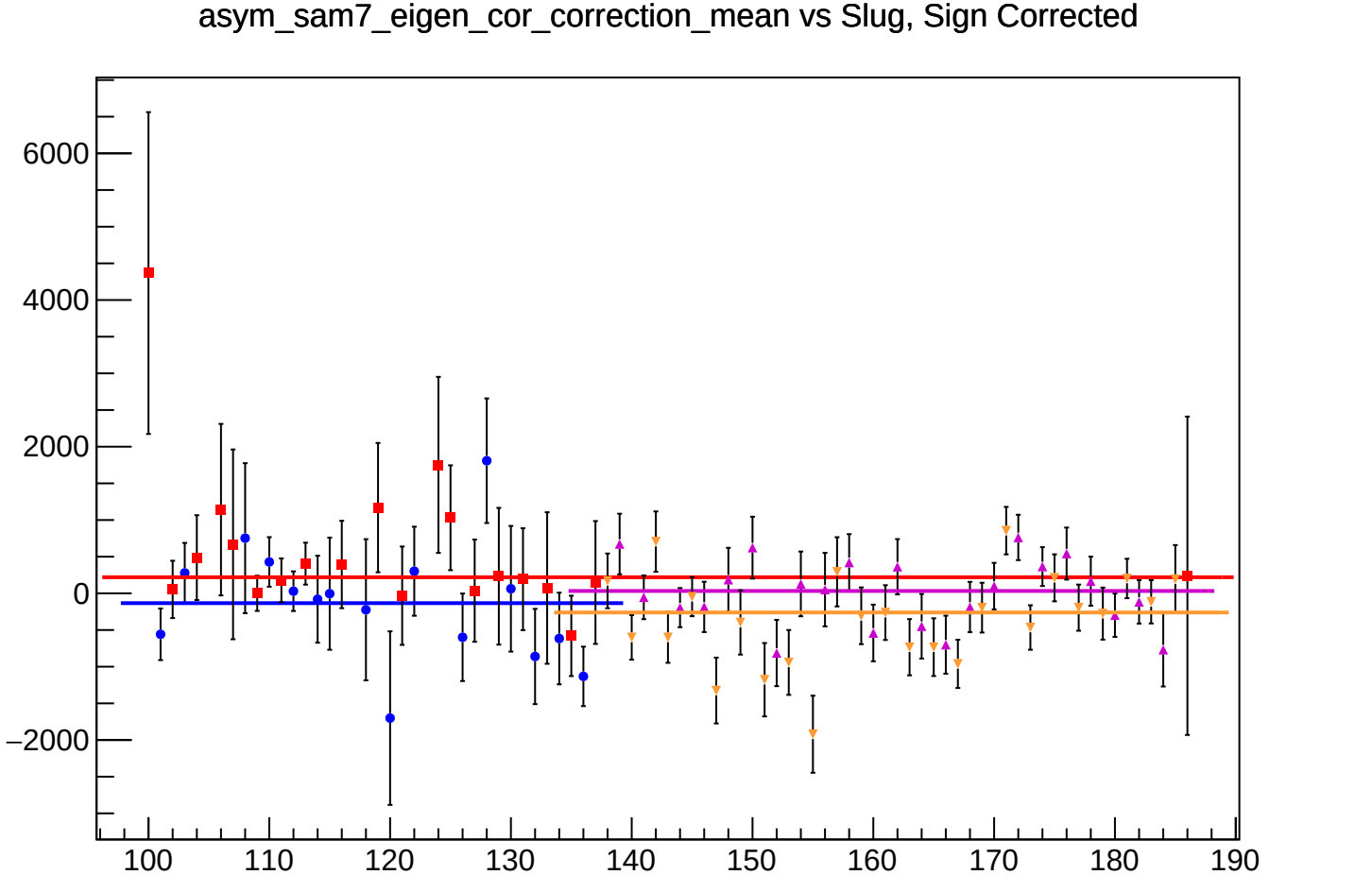
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 68.137+/-0.013 χ^2/NDF: 1185741.8/35

In: 65.576+/-0.009 χ^2/NDF:748269.6/38

Out: 65.191+/-0.009 χ^2/NDF:825220.5/44

All: 65.376+/-0.006 χ^2/NDF: 1574386.9/83


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
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−2000
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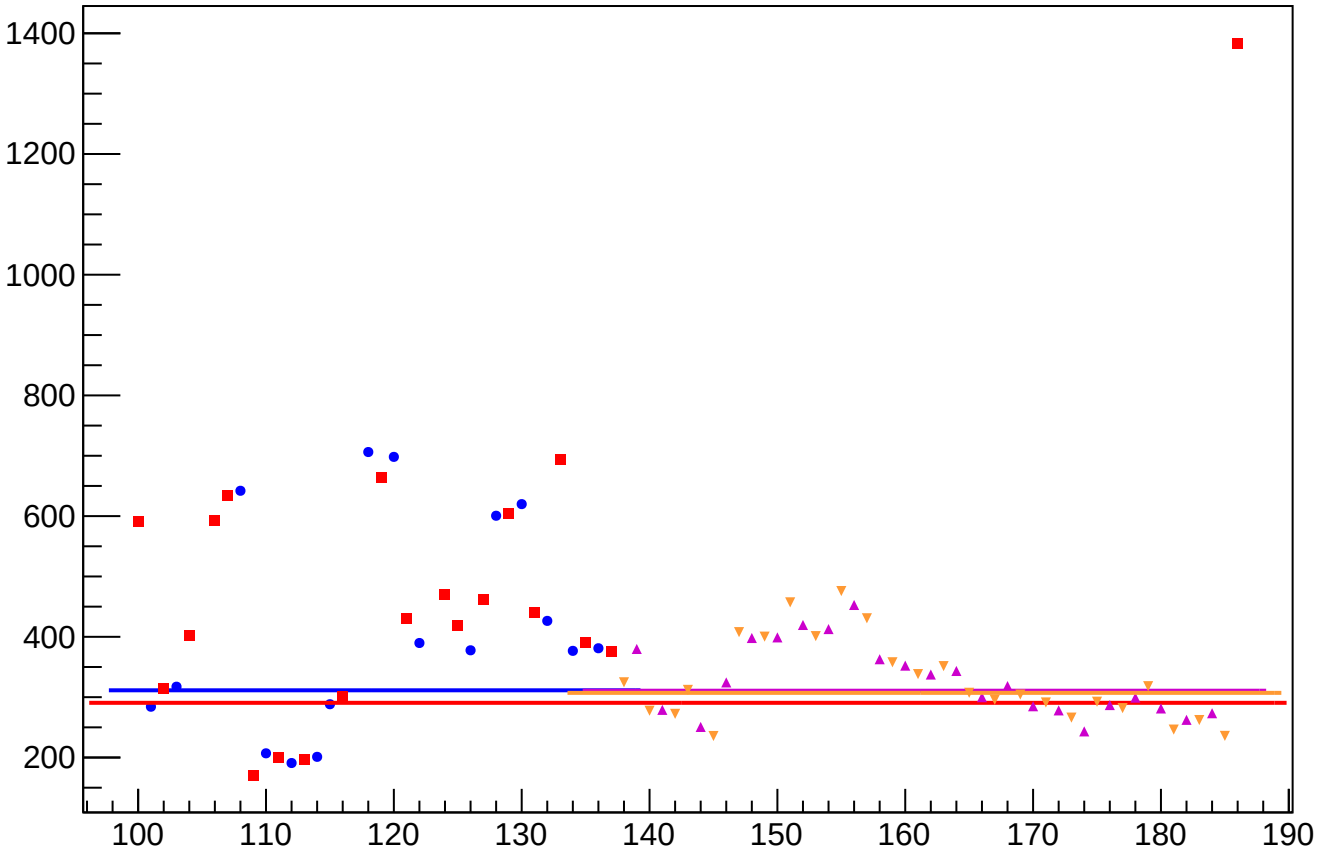
120
130
140
150
160
170
180
190
Right In: -133.587+/-125.904 χ²/NDF: 22.5/15
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 219.674+/-117.816 χ²/NDF: 12.5/19
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 54.755+/-86.026 χ²/NDF: 39.2/35
In: -10.063+/-63.692 χ²/NDF:55.5/38
Out: -132.322+/-60.979 χ²/NDF:83.5/44
All: -73.852+/-44.047 χ²/NDF: 140.9/83



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

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

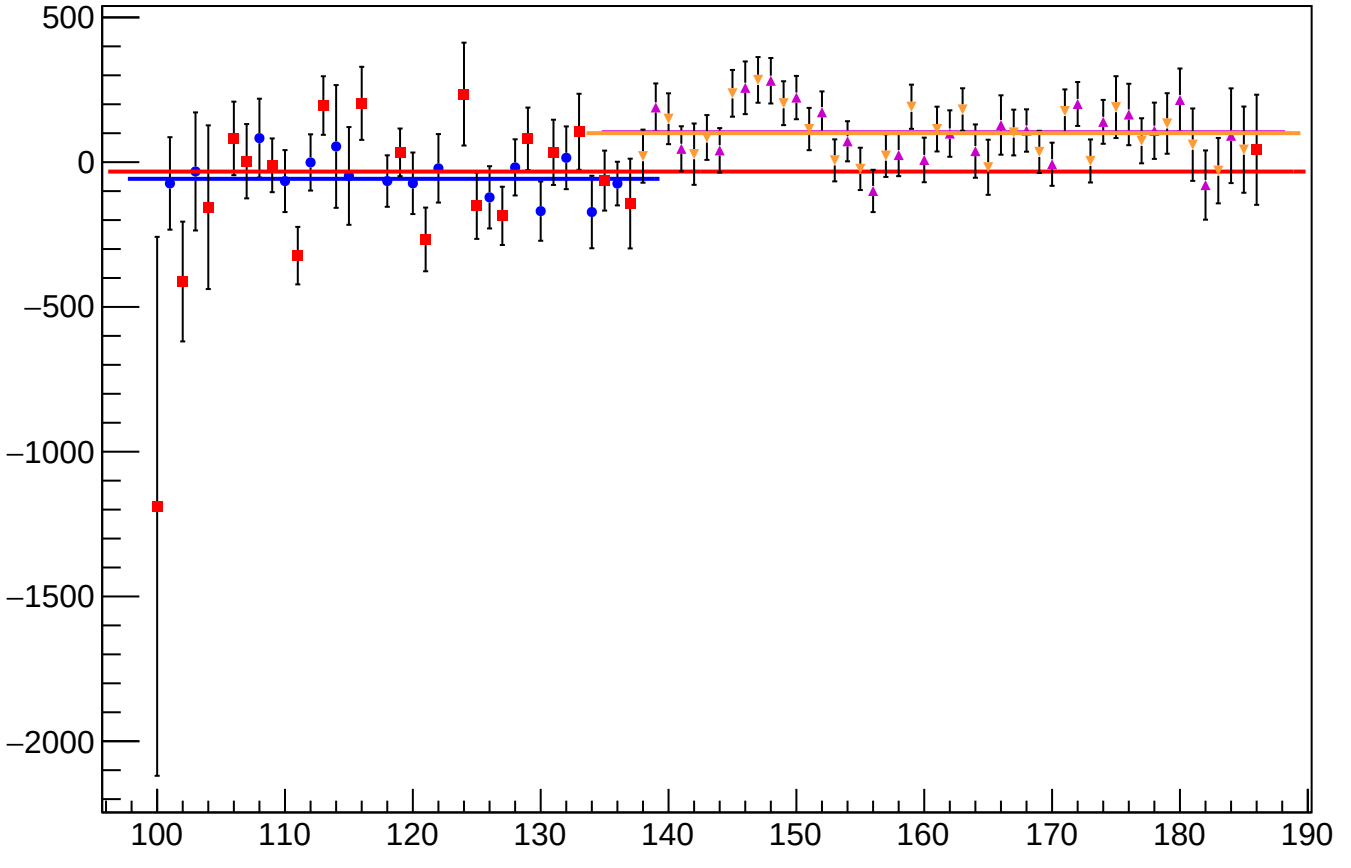
Right: 300.326+/-0.061 χ^2/NDF: 5350932.2/35

In: 310.874+/-0.045 χ^2/NDF:3203323.6/38

Out: 302.722+/-0.043 χ^2/NDF:4547052.9/44

All: 306.621+/-0.031 χ^2/NDF: 7767471.3/83

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

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

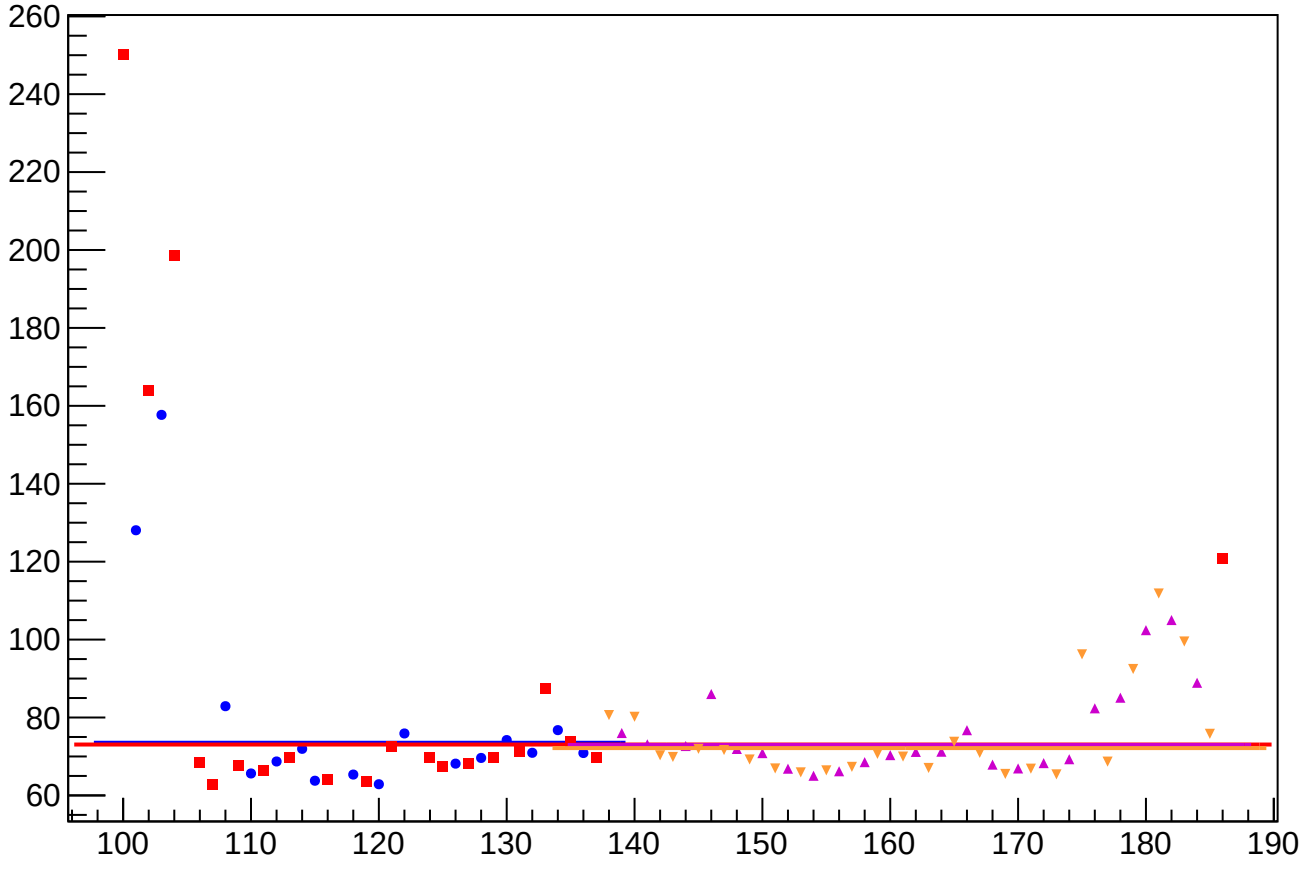
Right: -44.562+/-19.509 χ^2/NDF: 42.6/35

In: 59.257+/-14.706 χ^2/NDF:61.4/38

Out: 64.013+/-14.174 χ^2/NDF:82.4/44

All: 61.723+/-10.205 χ^2/NDF: 143.9/83

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

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

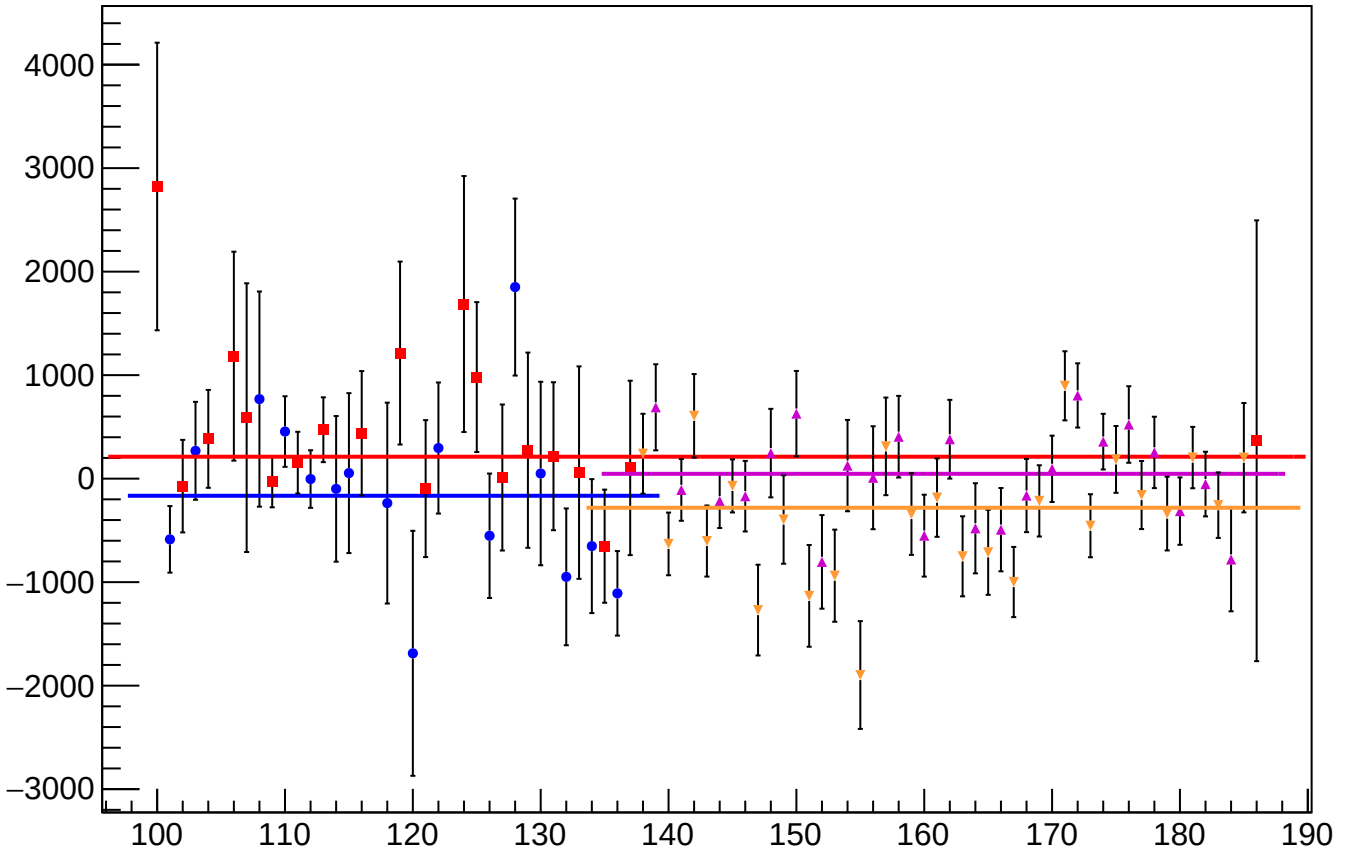
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 73.283+/-0.014 χ^2/NDF: 1744100.9/35

In: 73.105+/-0.010 χ^2/NDF:1166475.3/38

Out: 72.399+/-0.010 χ^2/NDF:1730604.1/44

All: 72.739+/-0.007 χ^2/NDF: 2899464.3/83



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

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

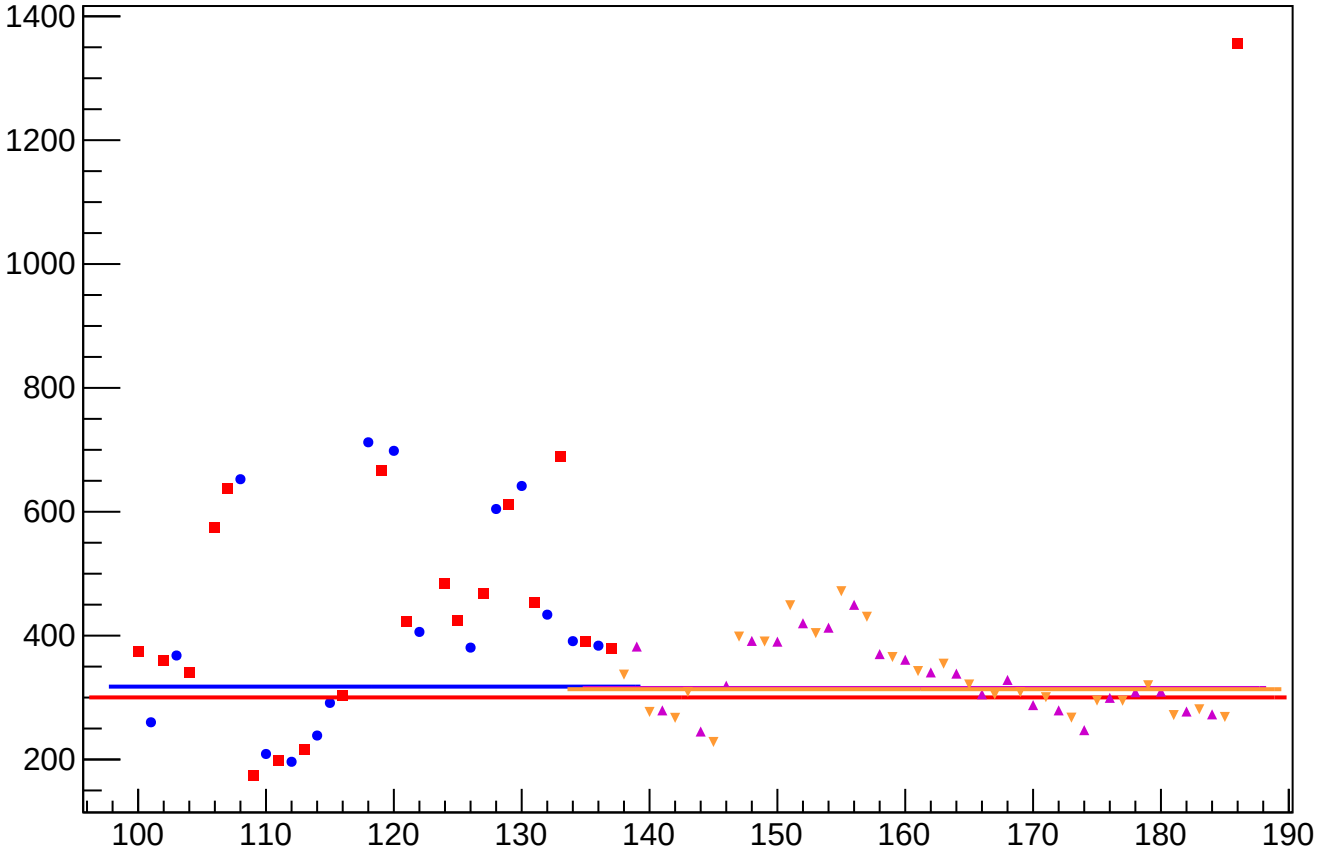
Right: 36.078+/-87.657 χ^2/NDF: 40.9/35

In: -7.246+/-64.700 χ^2/NDF:55.4/38

Out: -149.149+/-62.068 χ^2/NDF:82.8/44

All: -81.142+/-44.790 χ^2/NDF: 140.7/83

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

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

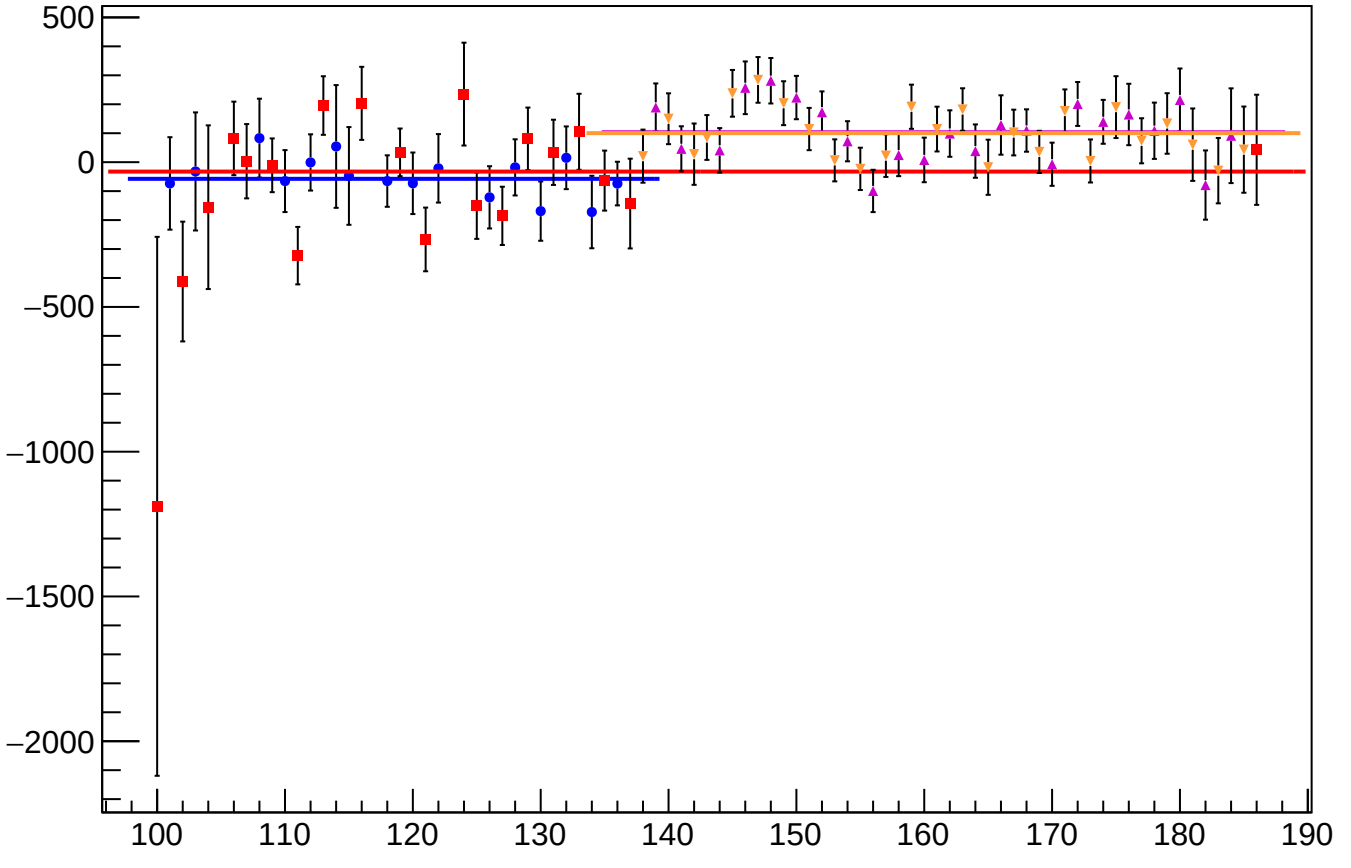
Right: 308.360+/-0.062 χ^2/NDF: 5189999.4/35

In: 316.016+/-0.046 χ^2/NDF:3145157.2/38

Out: 309.951+/-0.044 χ^2/NDF:4227570.7/44

All: 312.857+/-0.032 χ^2/NDF: 7381880.4/83

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

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

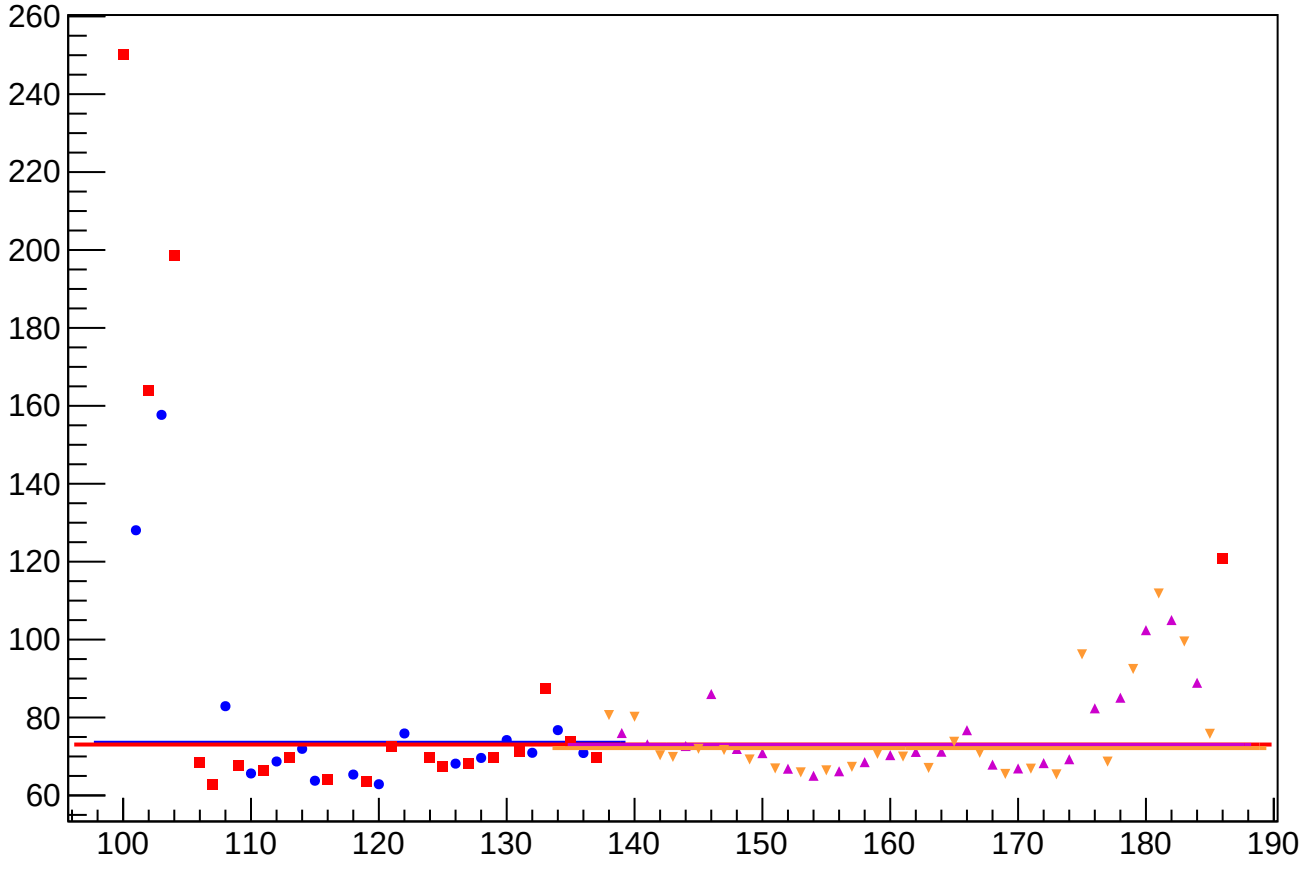
Right: -44.563+/-19.509 χ^2/NDF: 42.6/35

In: 59.257+/-14.706 χ^2/NDF:61.4/38

Out: 64.013+/-14.174 χ^2/NDF:82.4/44

All: 61.722+/-10.205 χ^2/NDF: 143.9/83

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

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

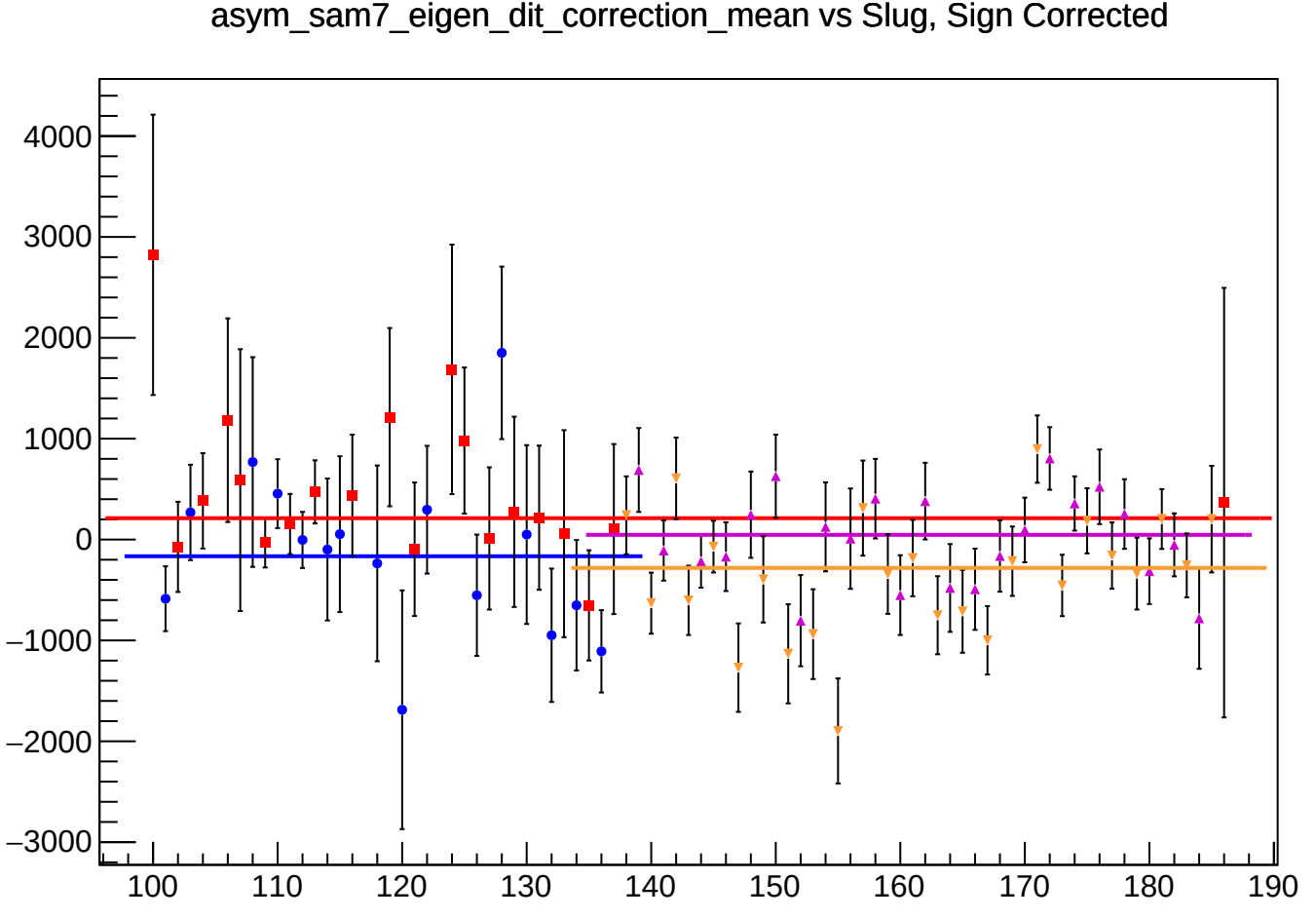
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

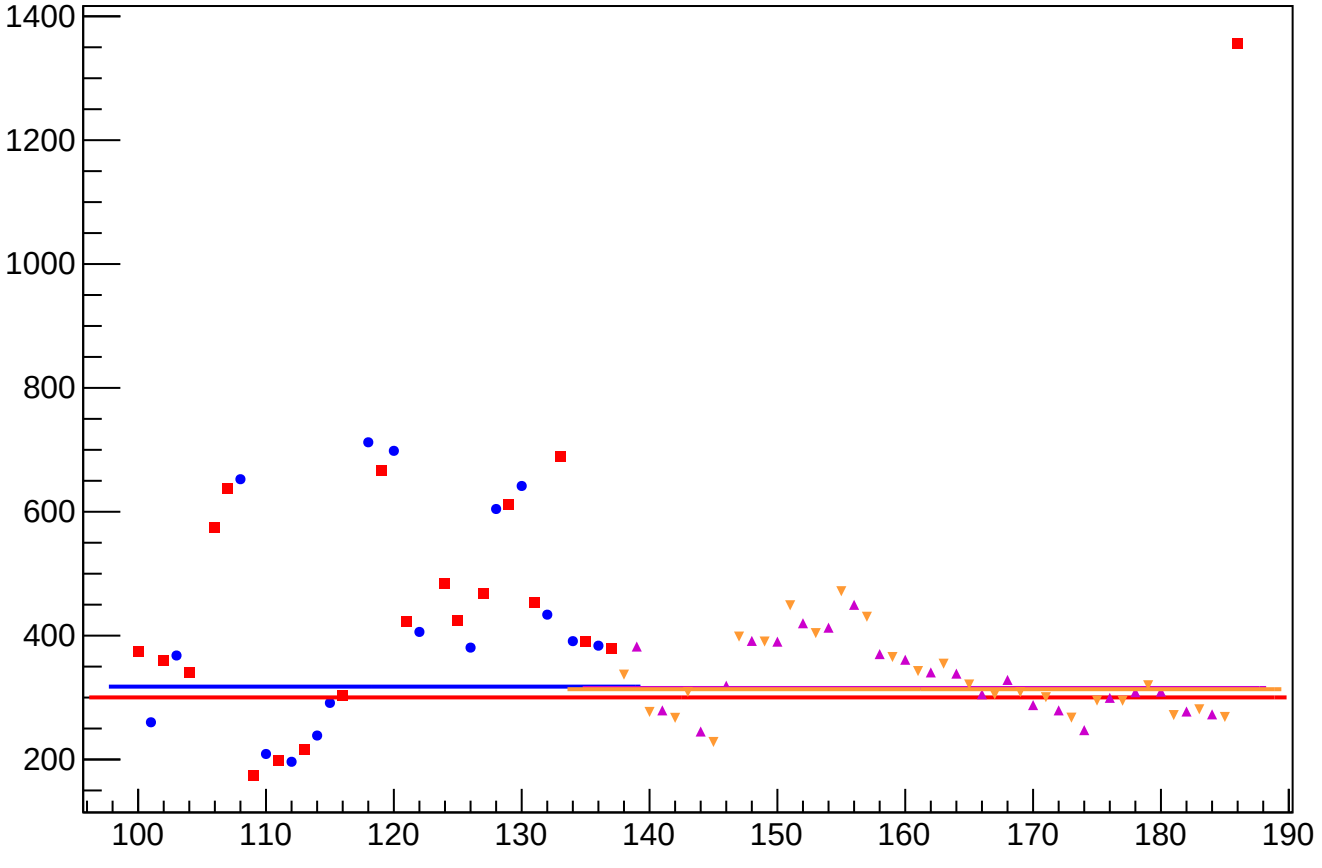
Right: 73.283+/-0.014 χ^2/NDF: 1744100.5/35

In: 73.105+/-0.010 χ^2/NDF:1166477.3/38

Out: 72.399+/-0.010 χ^2/NDF:1730599.0/44

All: 72.739+/-0.007 χ^2/NDF: 2899461.1/83


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: -165.498+/-128.437 χ²/NDF: 22.6/15
Left Out: -281.205+/-72.538 χ²/NDF:56.8/24
Right Out: 211.837+/-119.930 χ²/NDF: 13.6/19
Left In: 46.569+/-74.897 χ²/NDF:30.7/22
Left: -122.562+/-52.106 χ²/NDF: 97.4/47
Right: 36.078+/-87.657 χ²/NDF: 40.9/35
In: -7.246+/-64.700 χ²/NDF:55.4/38
Out: -149.149+/-62.068 χ²/NDF:82.8/44
All: -81.142+/-44.790 χ²/NDF: 140.7/83



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

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

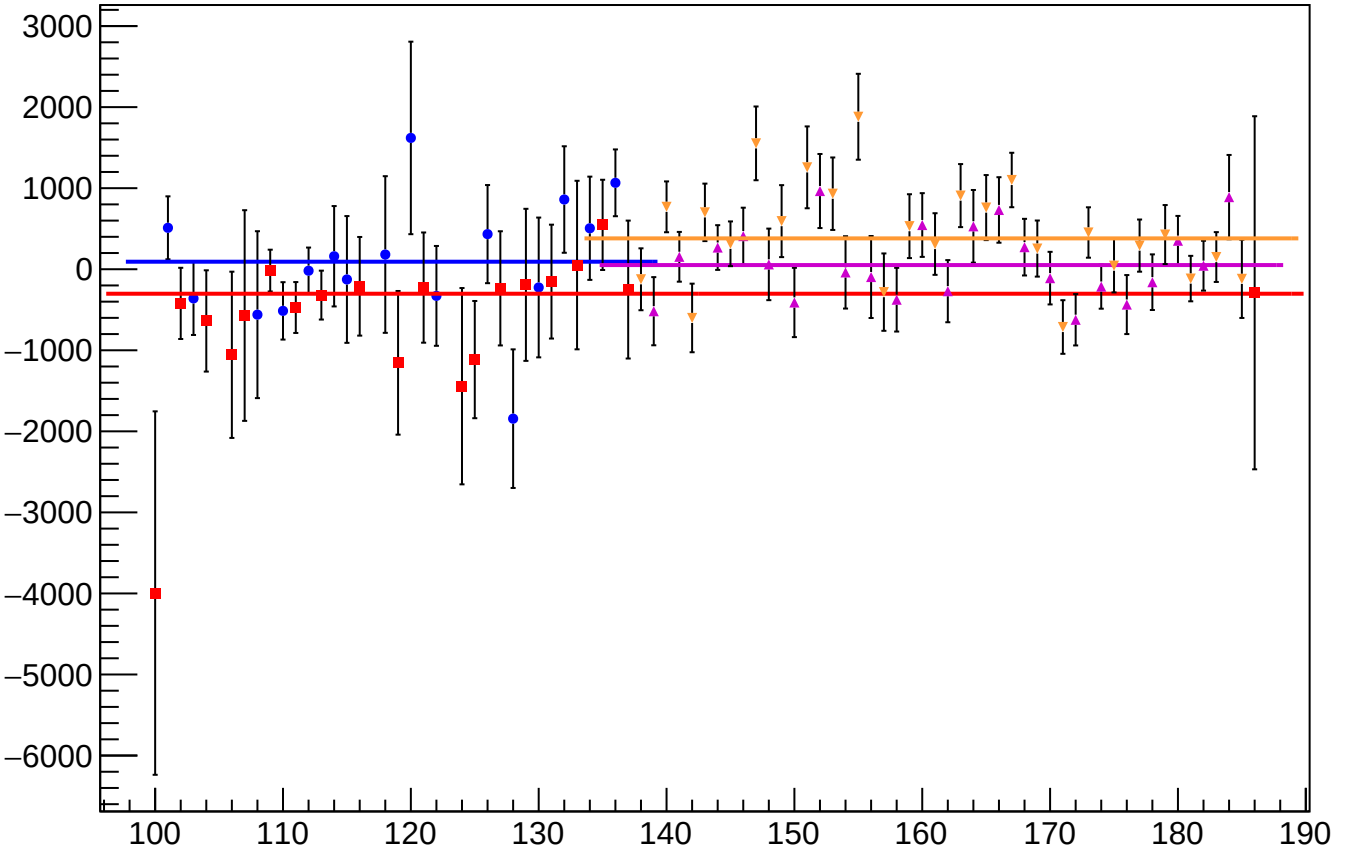
Right: 308.358+/-0.062 χ^2/NDF: 5190041.4/35

In: 316.015+/-0.046 χ^2/NDF:3145186.5/38

Out: 309.950+/-0.044 χ^2/NDF:4227592.6/44

All: 312.857+/-0.032 χ^2/NDF: 7381931.5/83

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

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

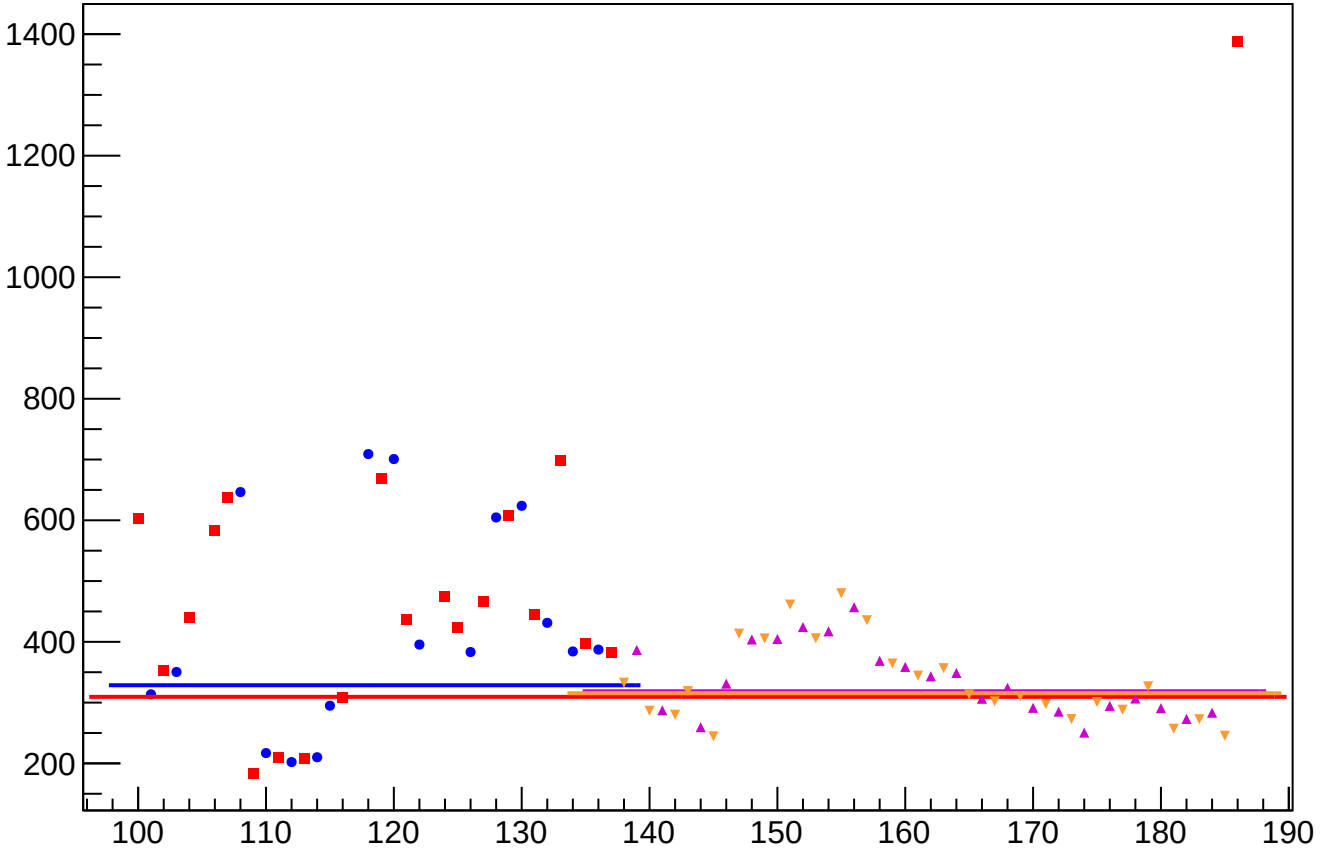
Right: -117.391+/-90.244 χ^2/NDF: 36.4/35

In: 61.697+/-65.613 χ^2/NDF:49.1/38

Out: 204.070+/-62.907 χ^2/NDF:88.8/44

All: 135.879+/-45.408 χ^2/NDF: 140.4/83

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

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

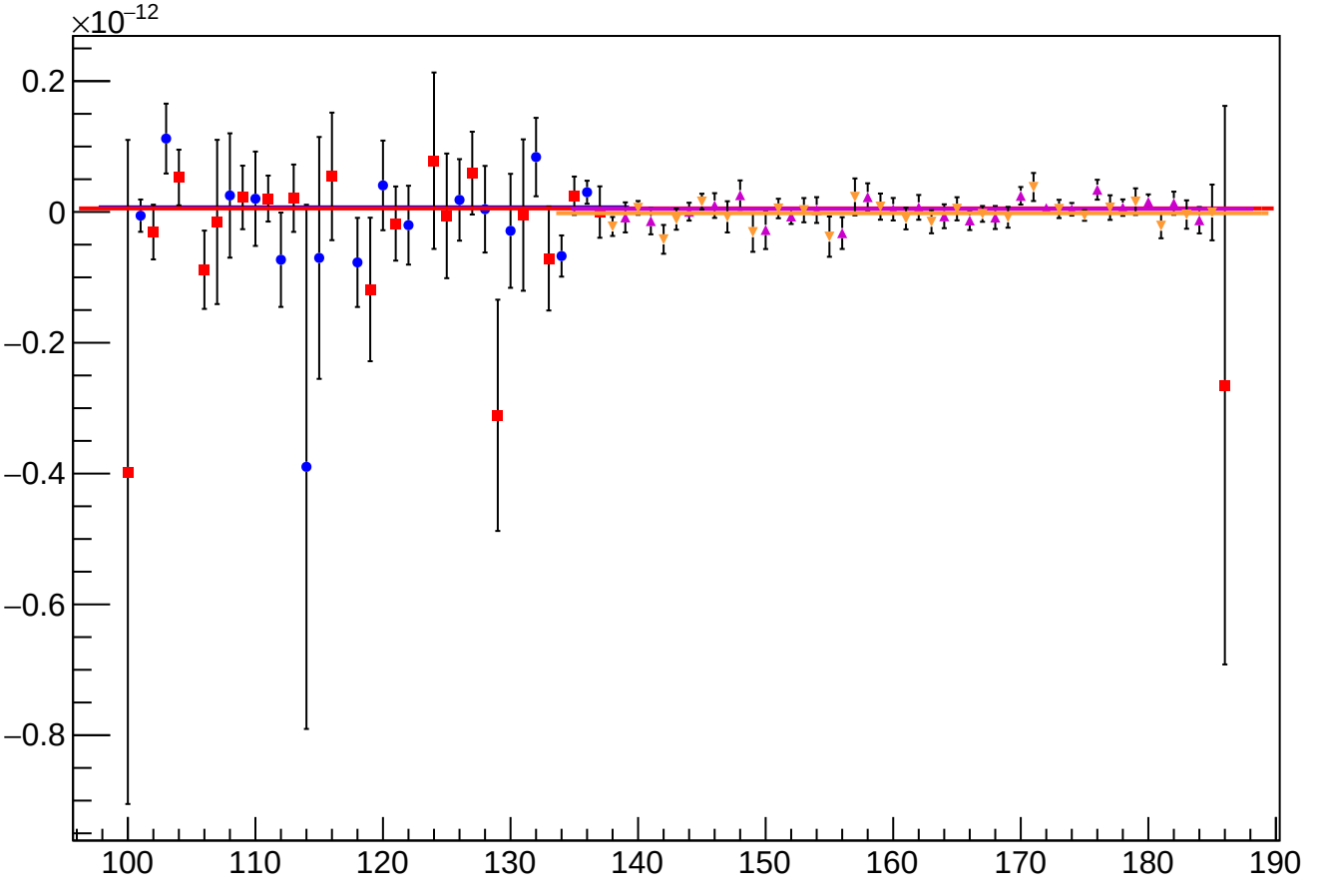
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 318.410+/-0.064 χ^2/NDF: 5000273.1/35

In: 321.132+/-0.046 χ^2/NDF:2958917.6/38

Out: 313.866+/-0.044 χ^2/NDF:4232619.6/44

All: 317.346+/-0.032 χ^2/NDF: 7204317.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

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

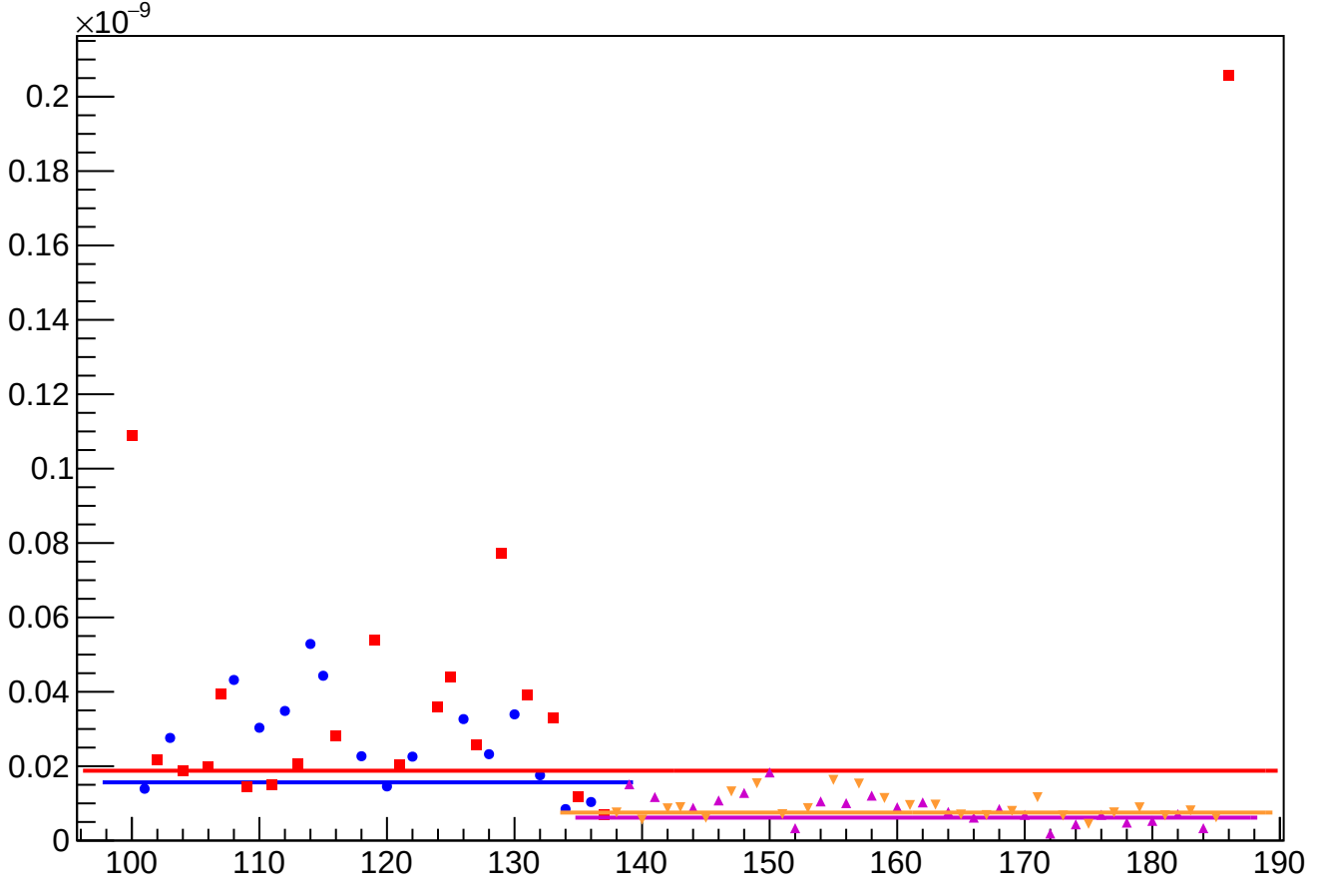
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 30.9/35

In: 0.000+/-0.000 χ^2/NDF:35.4/38

Out: -0.000+/-0.000 χ^2/NDF:32.5/44

All: 0.000+/-0.000 χ^2/NDF: 70.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

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

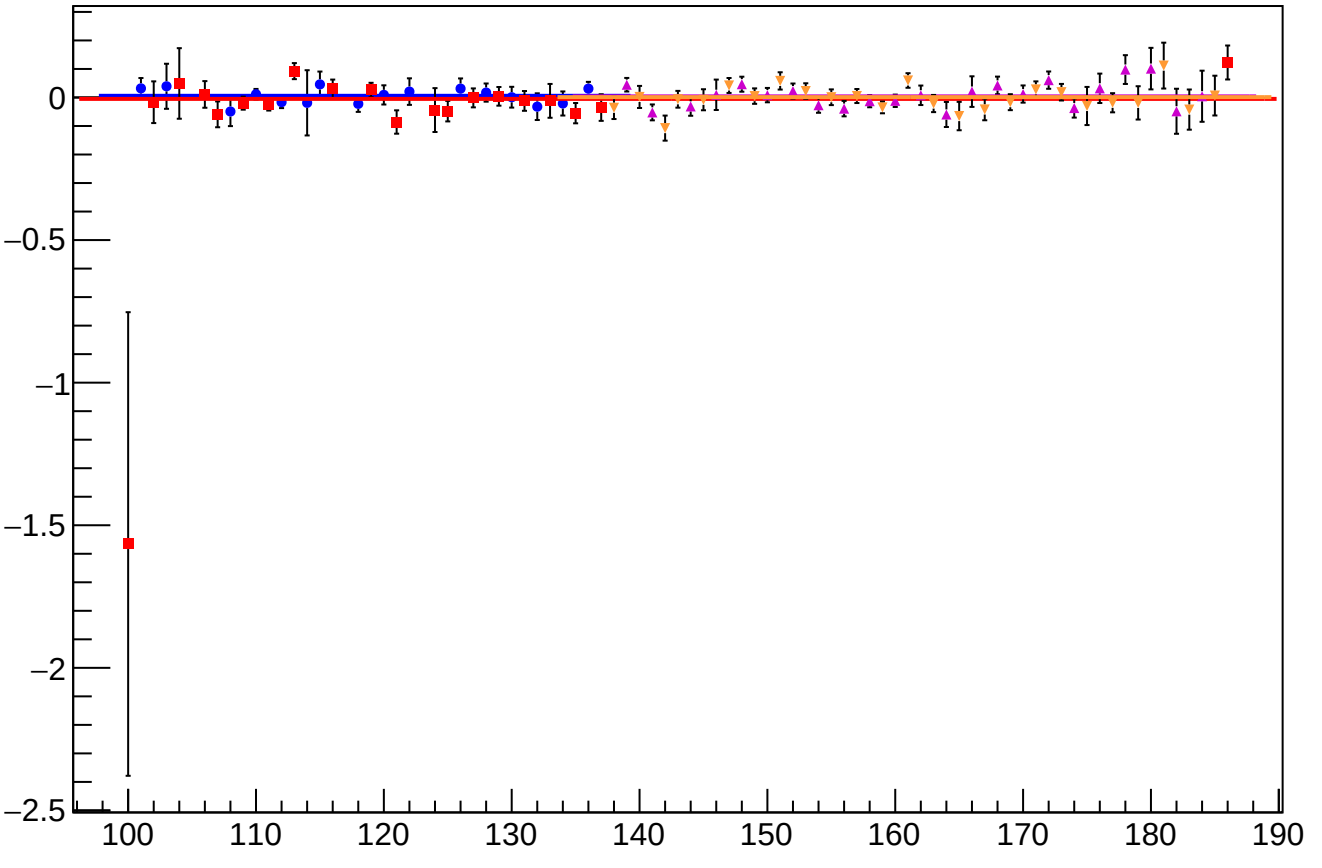
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 2845841.6/35

In: 0.000+/-0.000 χ^2/NDF:5343028.4/38

Out: 0.000+/-0.000 χ^2/NDF:4267699.6/44

All: 0.000+/-0.000 χ^2/NDF: 9813880.9/83



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

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

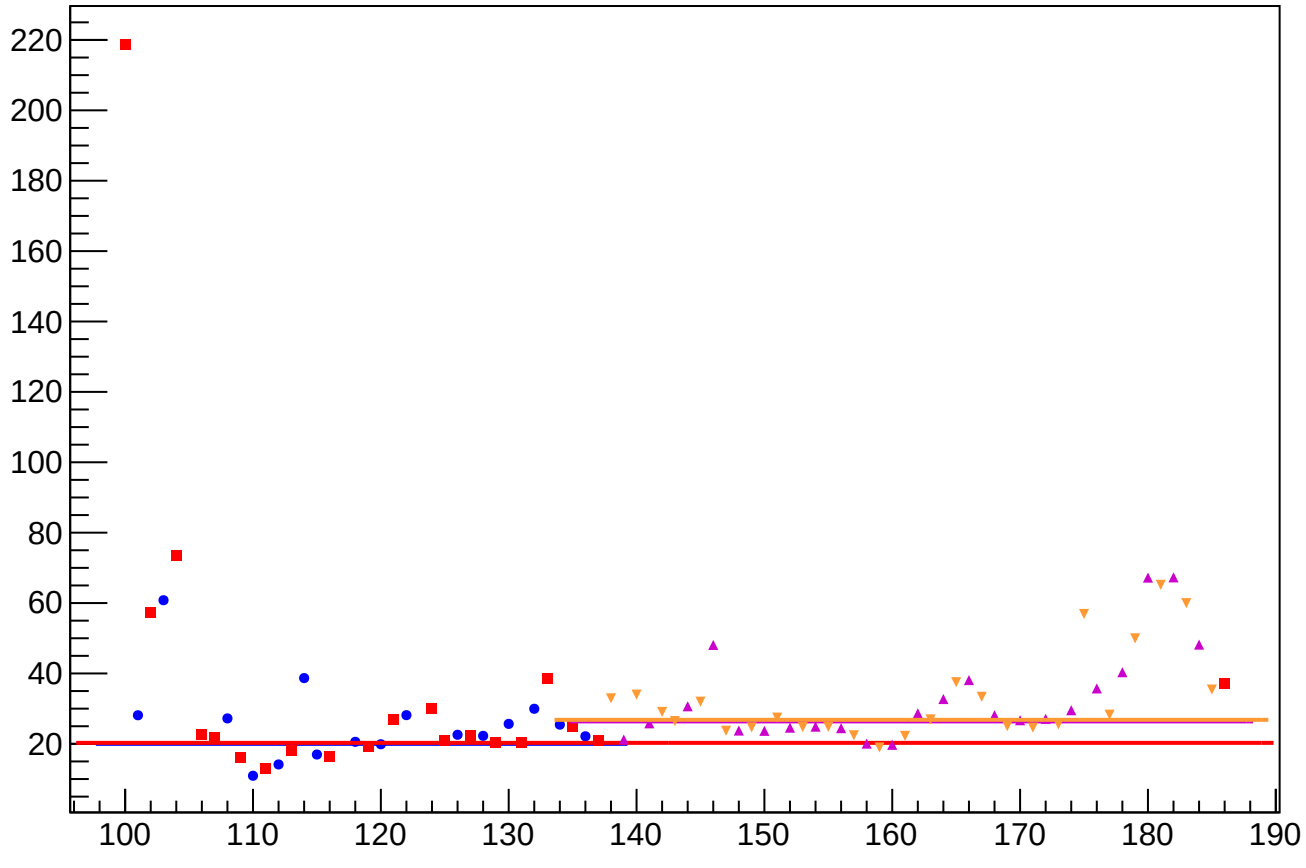
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.3/35

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.8/83


asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected
220
200
180
160
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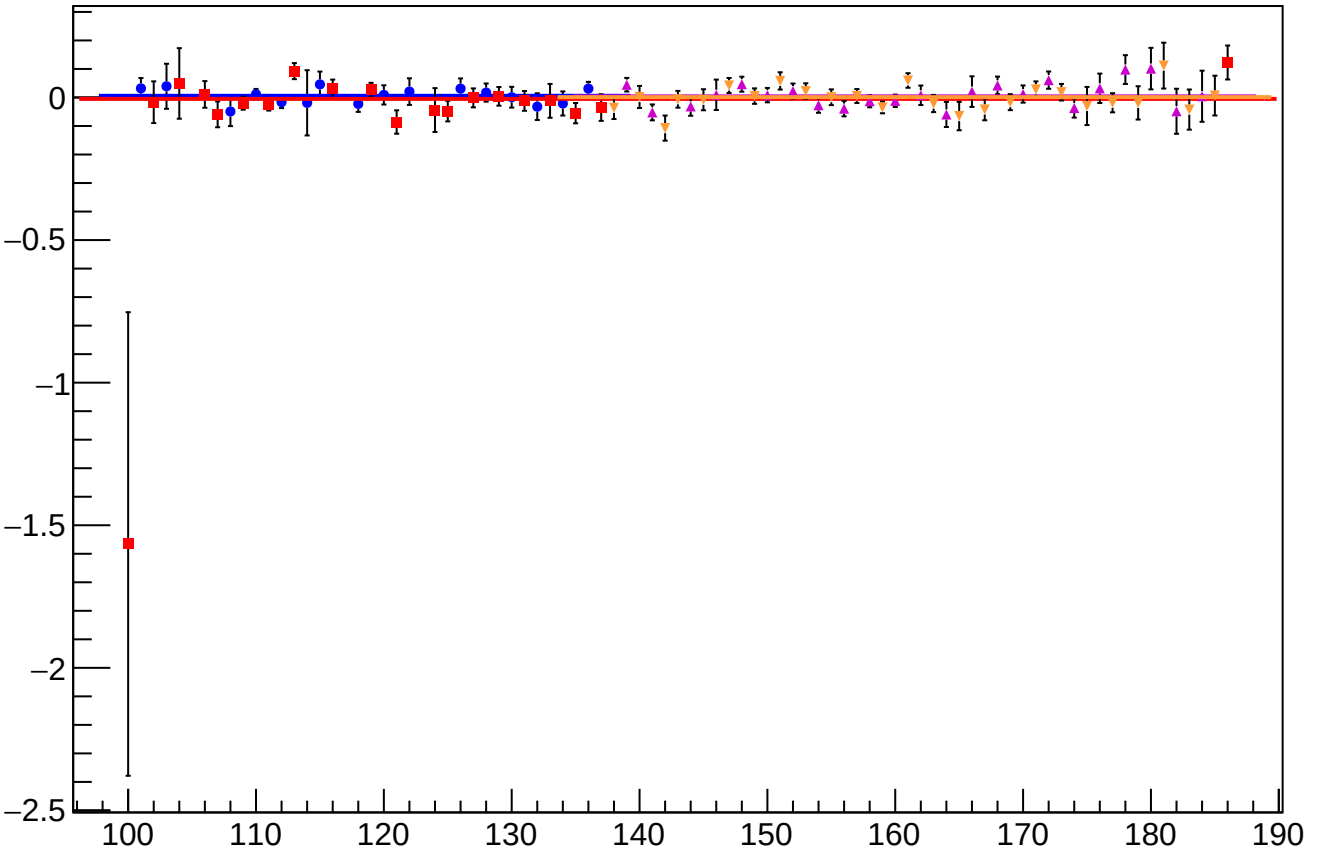
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 20.000+/-0.006 χ²/NDF: 1641371.9/15
Left Out: 26.820+/-0.005 χ²/NDF:2469807.6/24
Right Out: 20.277+/-0.006 χ²/NDF: 1882591.8/19
Left In: 26.376+/-0.005 χ²/NDF:2566400.7/22
Left: 26.602+/-0.003 χ²/NDF: 5040807.2/47
Right: 20.141+/-0.004 χ²/NDF: 3525134.6/35
In: 23.856+/-0.004 χ²/NDF:4944855.2/38
Out: 24.229+/-0.004 χ²/NDF:5156406.2/44
All: 24.046+/-0.003 χ²/NDF: 10106621.6/83



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

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

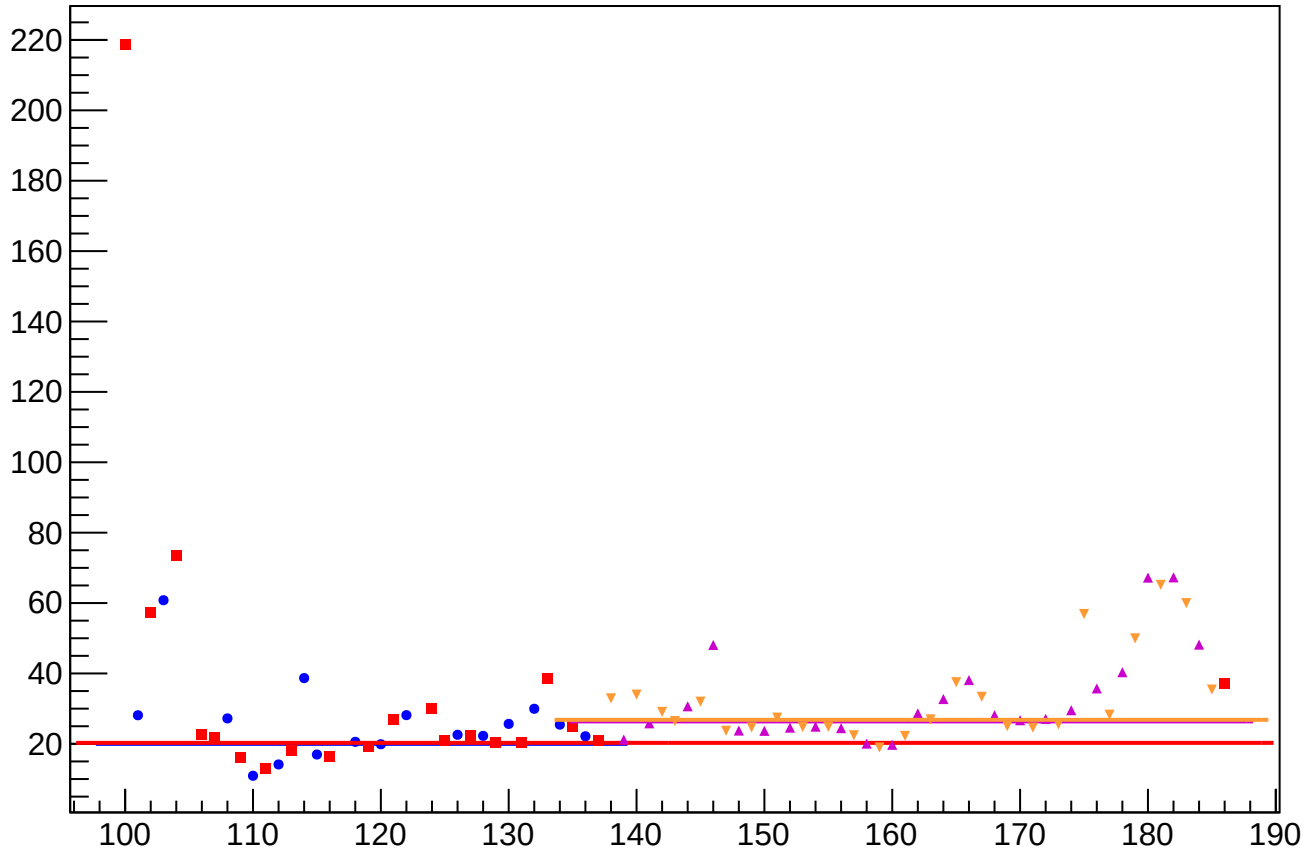
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.3/35

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.8/83



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

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

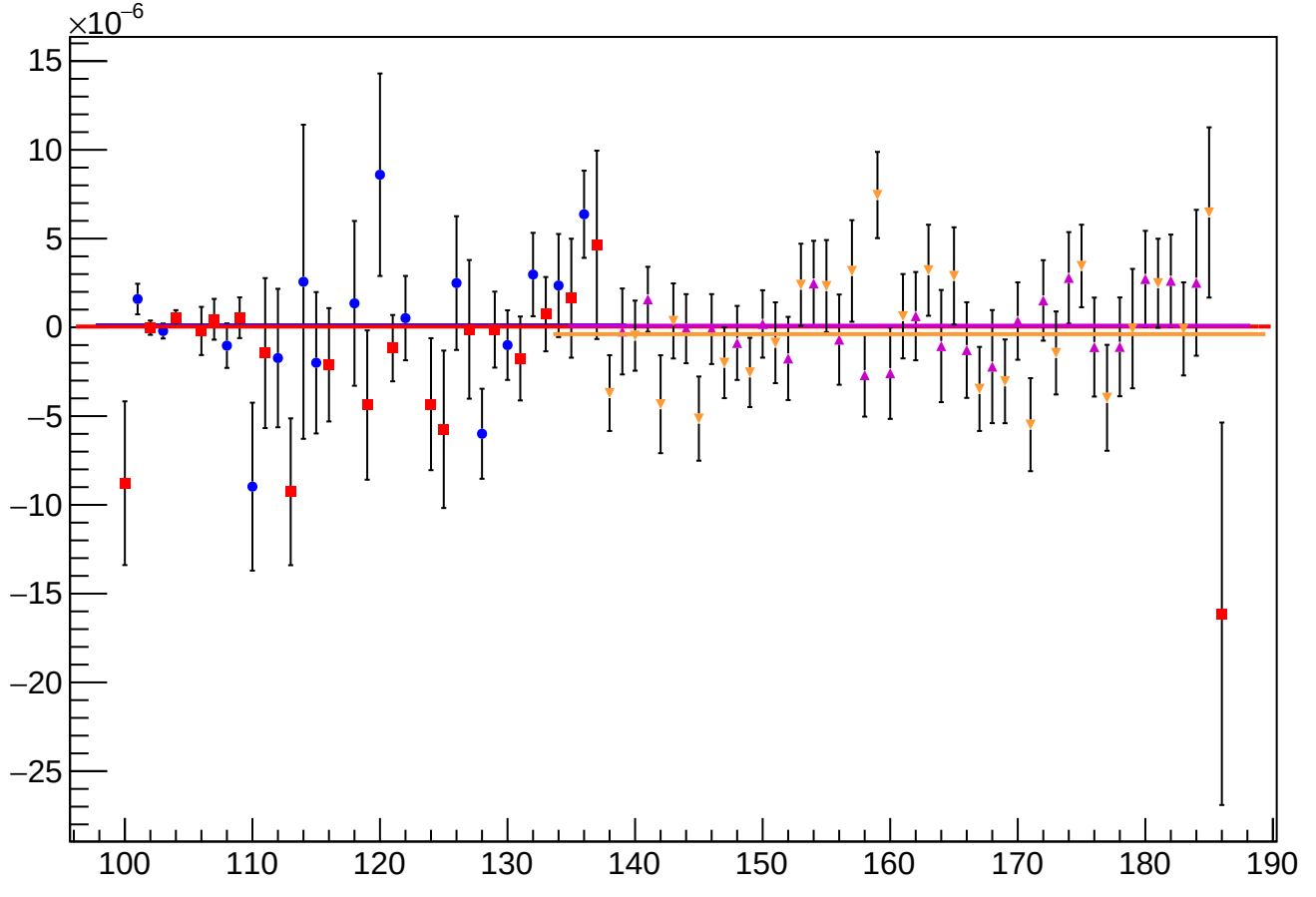
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.141+/-0.004 χ^2/NDF: 3525134.6/35

In: 23.856+/-0.004 χ^2/NDF:4944855.2/38

Out: 24.229+/-0.004 χ^2/NDF:5156406.2/44

All: 24.046+/-0.003 χ^2/NDF: 10106621.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

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

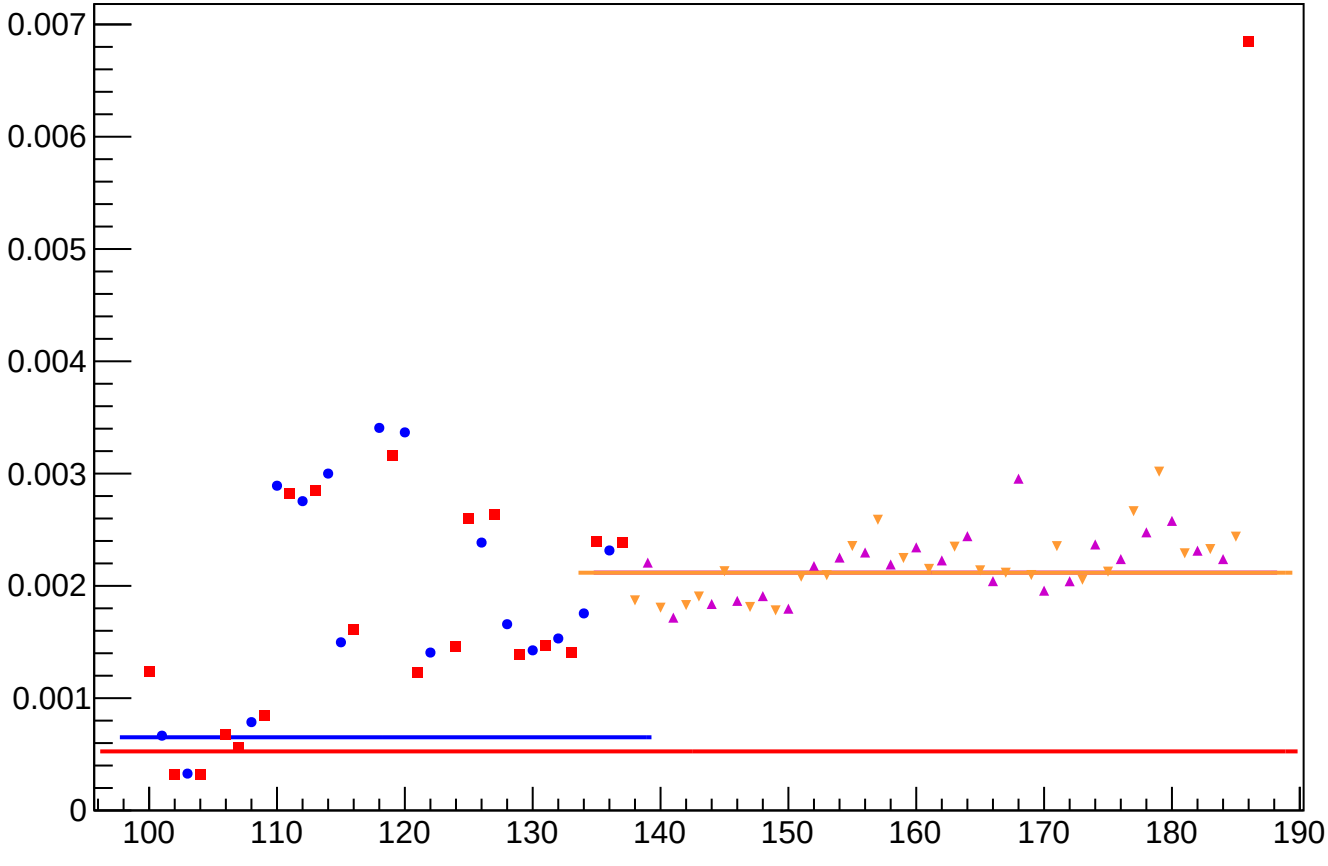
Right: 0.000+/-0.000 χ^2/NDF: 45.4/35

In: 0.000+/-0.000 χ^2/NDF:36.2/38

Out: -0.000+/-0.000 χ^2/NDF:63.1/44

All: 0.000+/-0.000 χ^2/NDF: 99.5/83

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

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

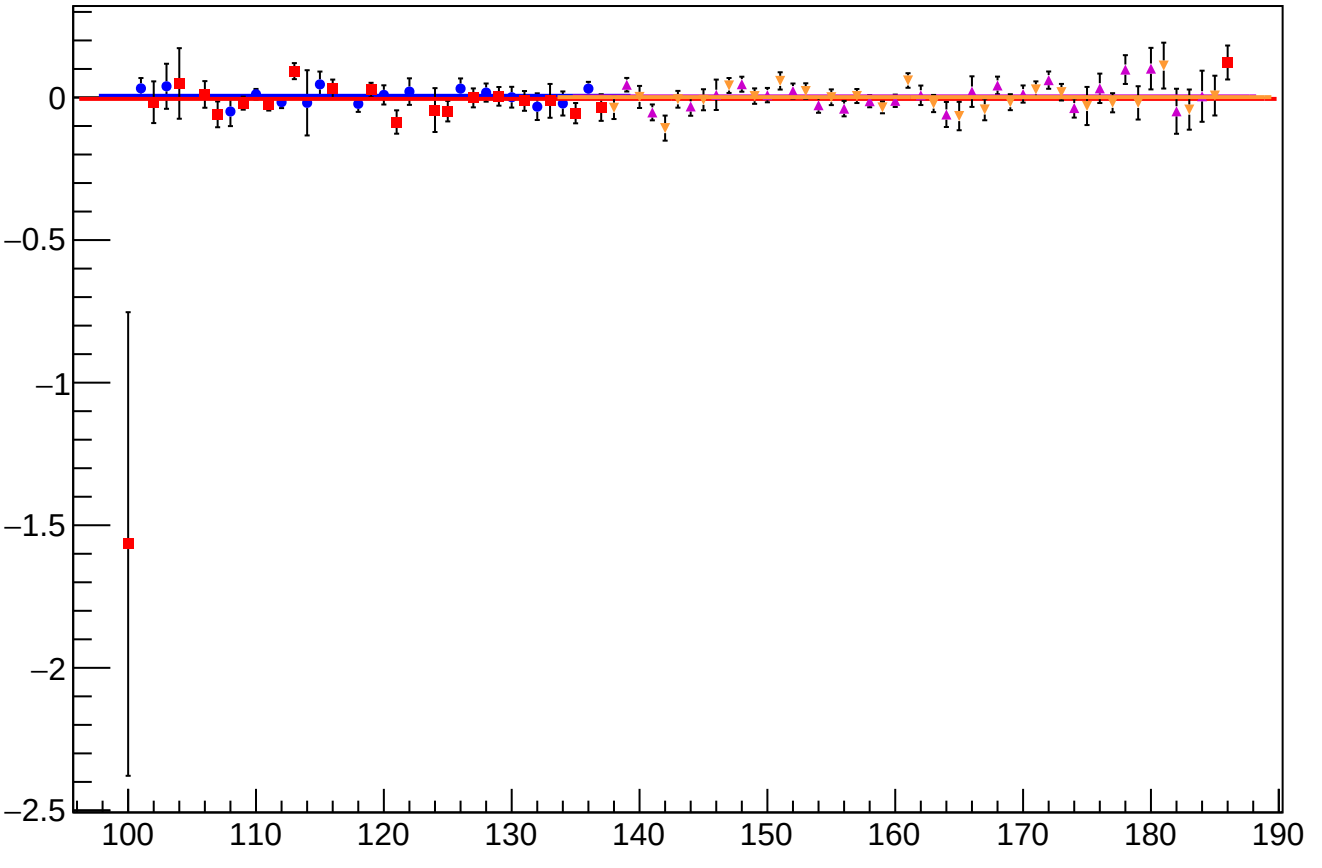
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 13900504.2/35

In: 0.001+/-0.000 χ^2/NDF:18847129.8/38

Out: 0.001+/-0.000 χ^2/NDF:24586614.4/44

All: 0.001+/-0.000 χ^2/NDF: 44200261.9/83



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

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

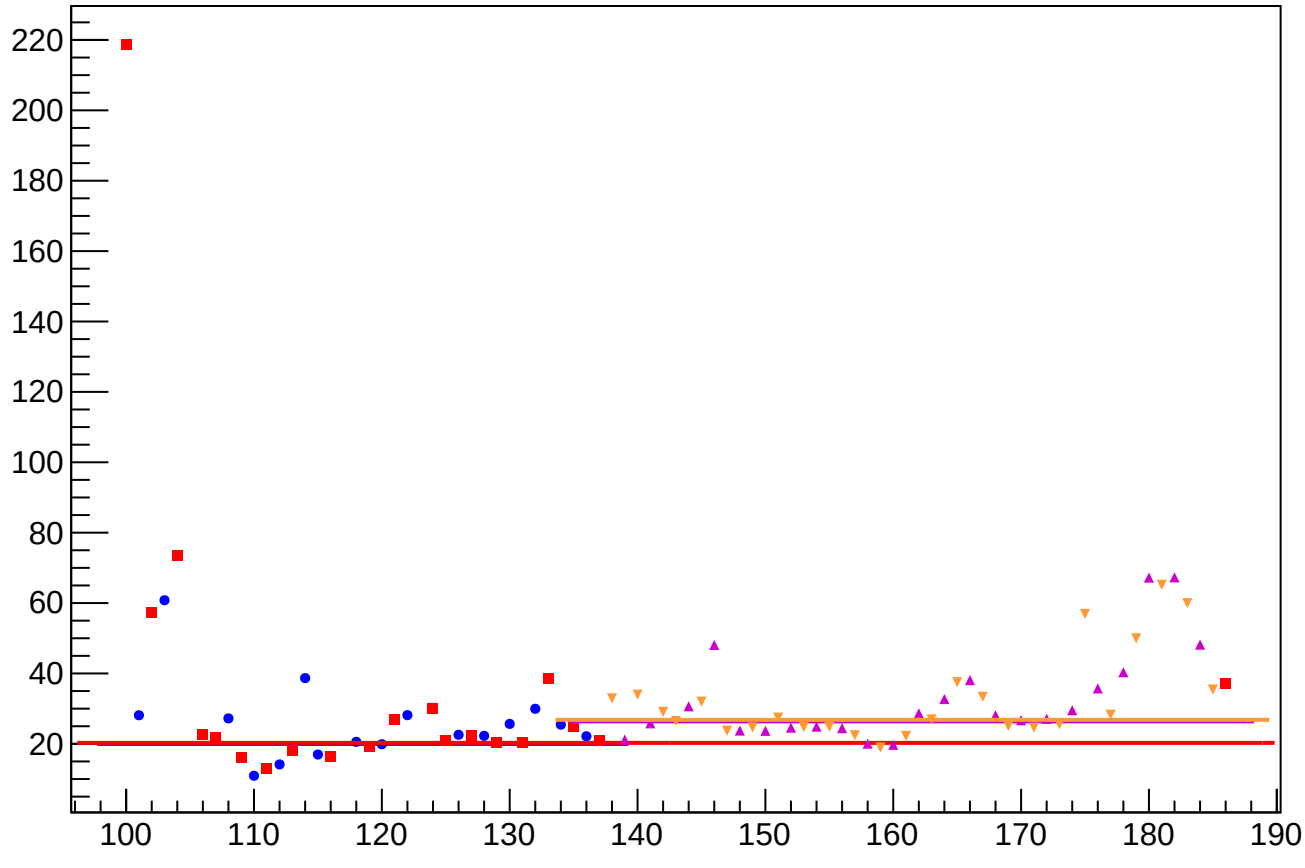
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.3/35

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.8/83



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

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

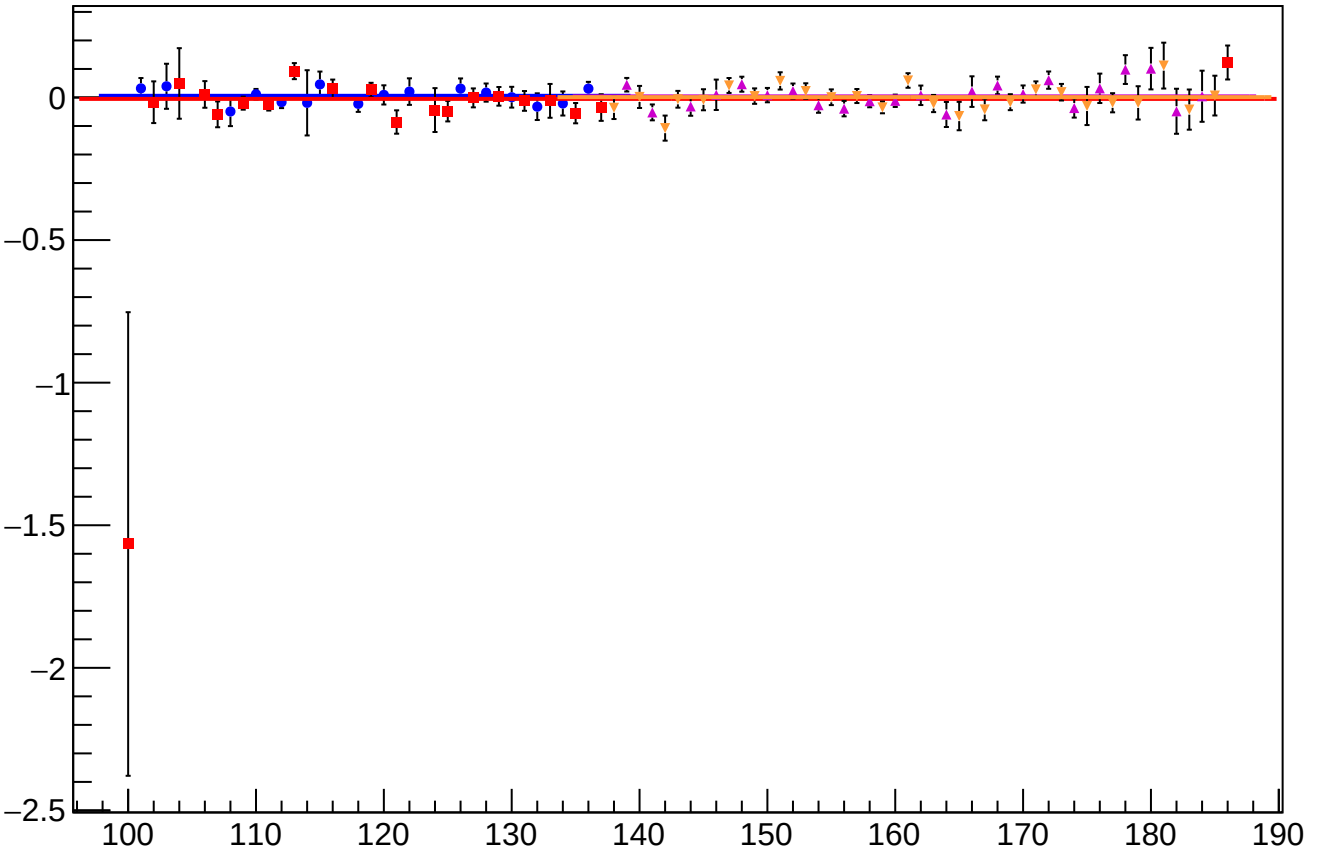
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.141+/-0.004 χ^2/NDF: 3524845.9/35

In: 23.857+/-0.004 χ^2/NDF:4944630.4/38

Out: 24.229+/-0.004 χ^2/NDF:5156315.2/44

All: 24.046+/-0.003 χ^2/NDF: 10106301.2/83



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

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

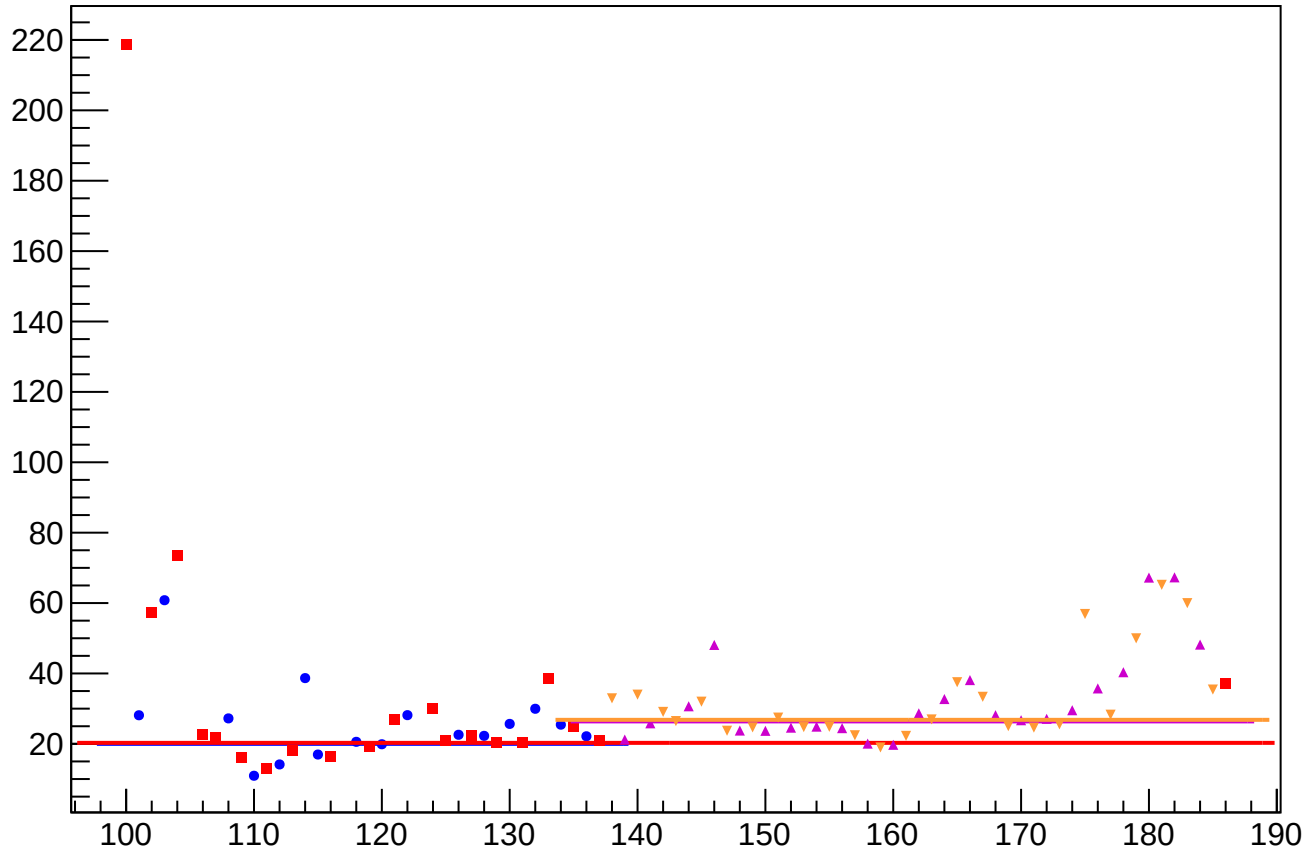
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.006 χ^2/NDF: 43.3/35

In: 0.005+/-0.005 χ^2/NDF:39.0/38

Out: -0.001+/-0.005 χ^2/NDF:65.1/44

All: 0.002+/-0.004 χ^2/NDF: 104.8/83



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

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

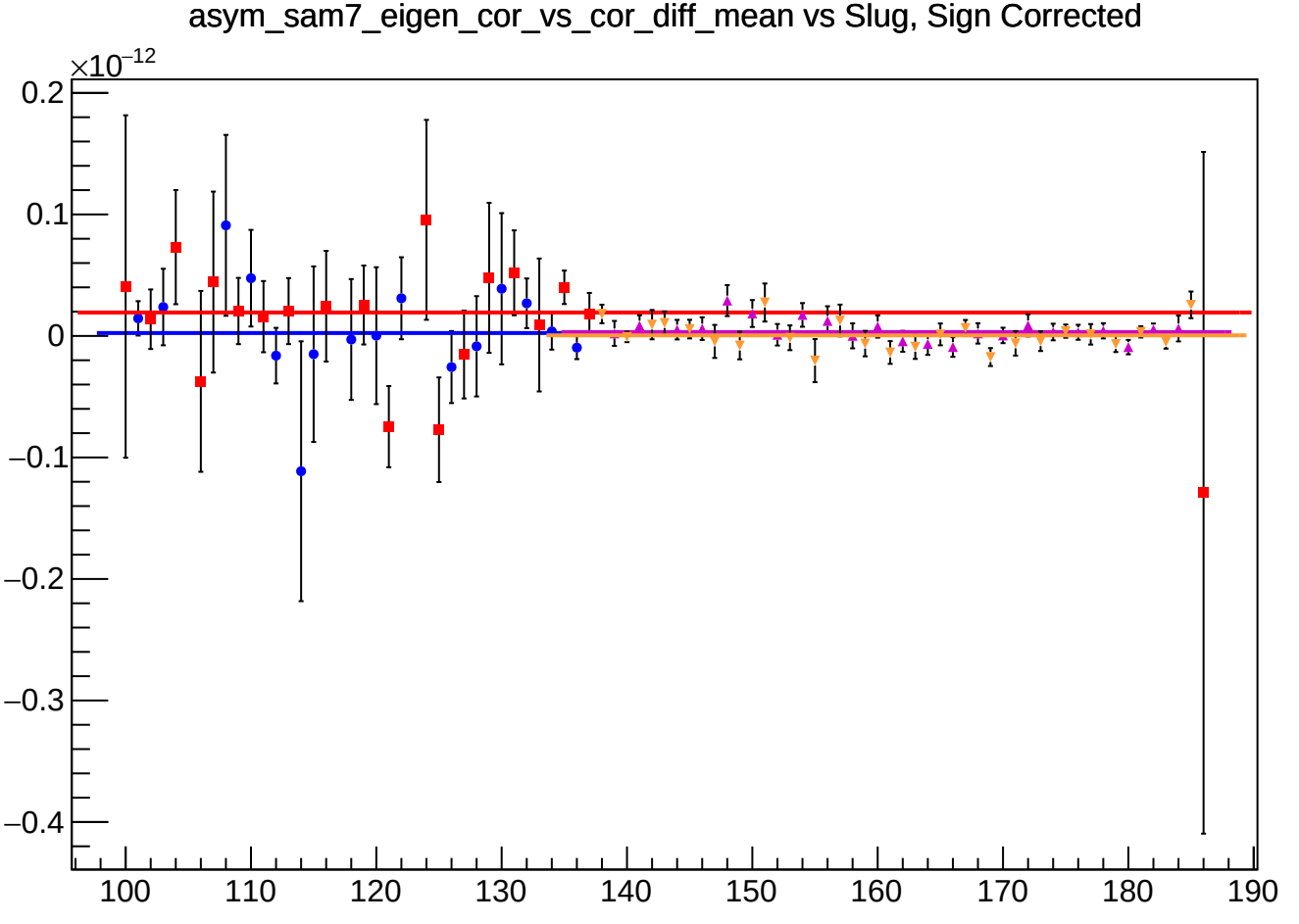
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.141+/-0.004 χ^2/NDF: 3524845.9/35

In: 23.857+/-0.004 χ^2/NDF:4944630.4/38

Out: 24.229+/-0.004 χ^2/NDF:5156315.2/44

All: 24.046+/-0.003 χ^2/NDF: 10106301.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

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

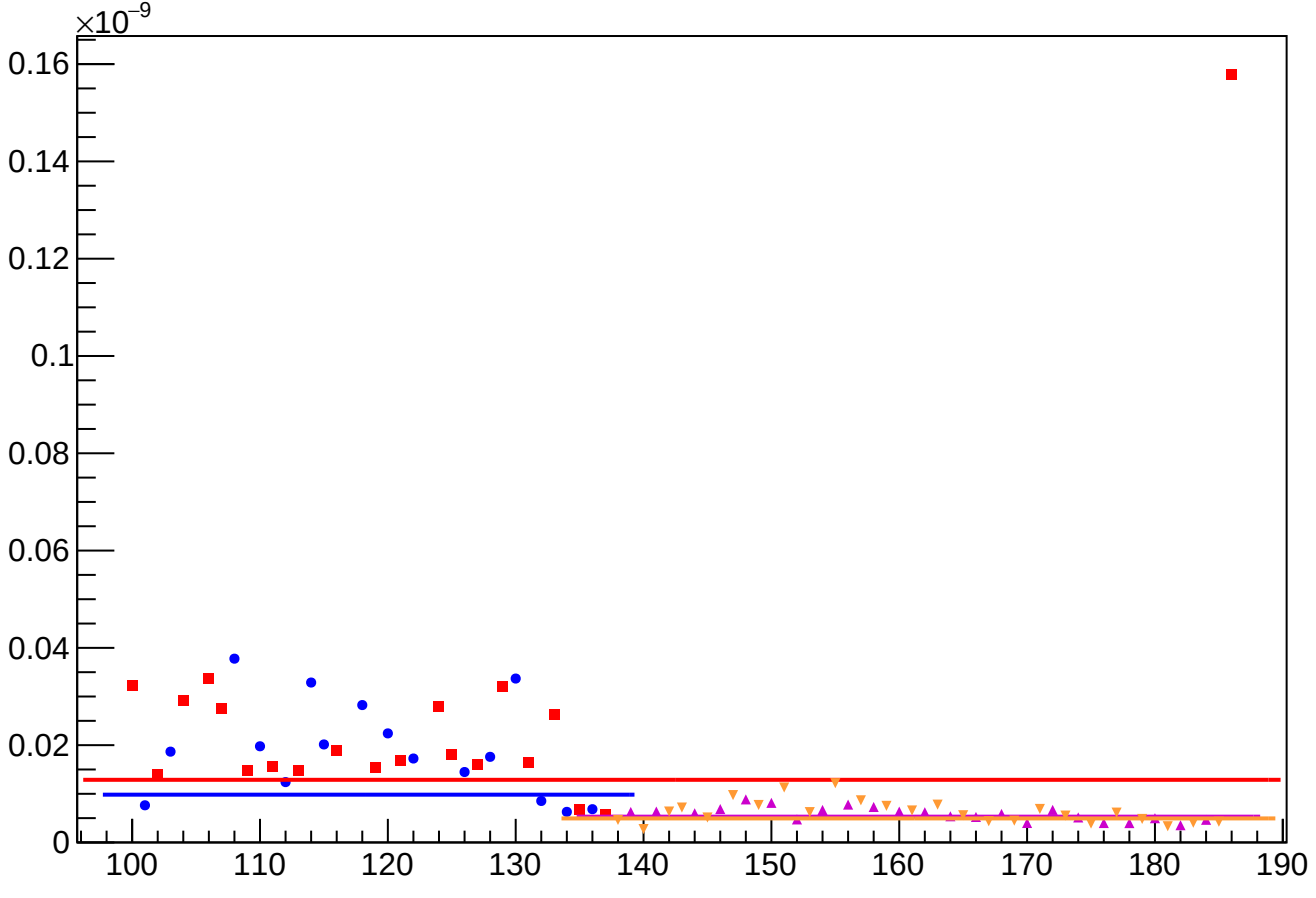
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 34.8/35

In: 0.000+/-0.000 χ^2/NDF:29.9/38

Out: 0.000+/-0.000 χ^2/NDF:59.9/44

All: 0.000+/-0.000 χ^2/NDF: 90.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

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

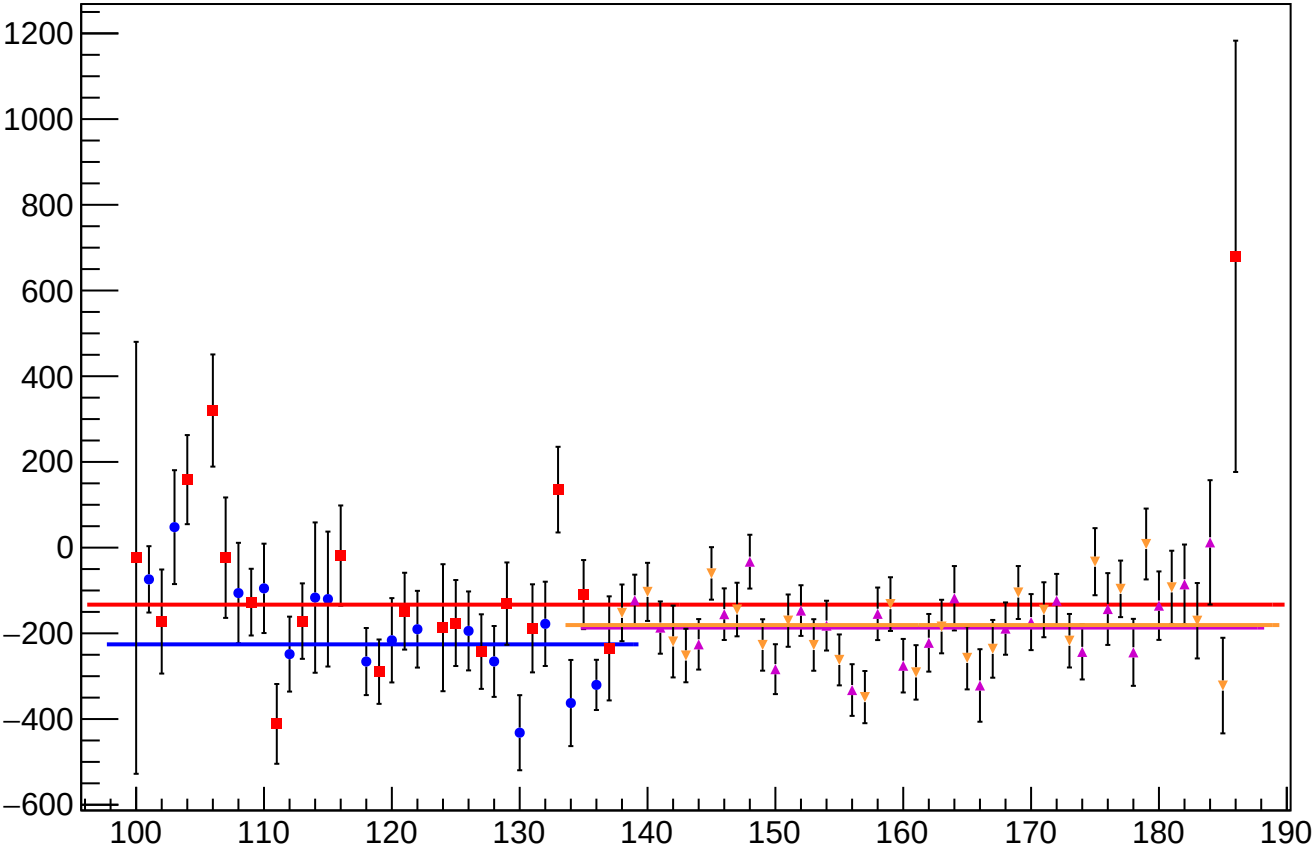
Right: 0.000+/-0.000 χ^2/NDF: 4536630.8/35

In: 0.000+/-0.000 χ^2/NDF:4377548.3/38

Out: 0.000+/-0.000 χ^2/NDF:7492304.9/44

All: 0.000+/-0.000 χ^2/NDF: 11918193.0/83

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

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

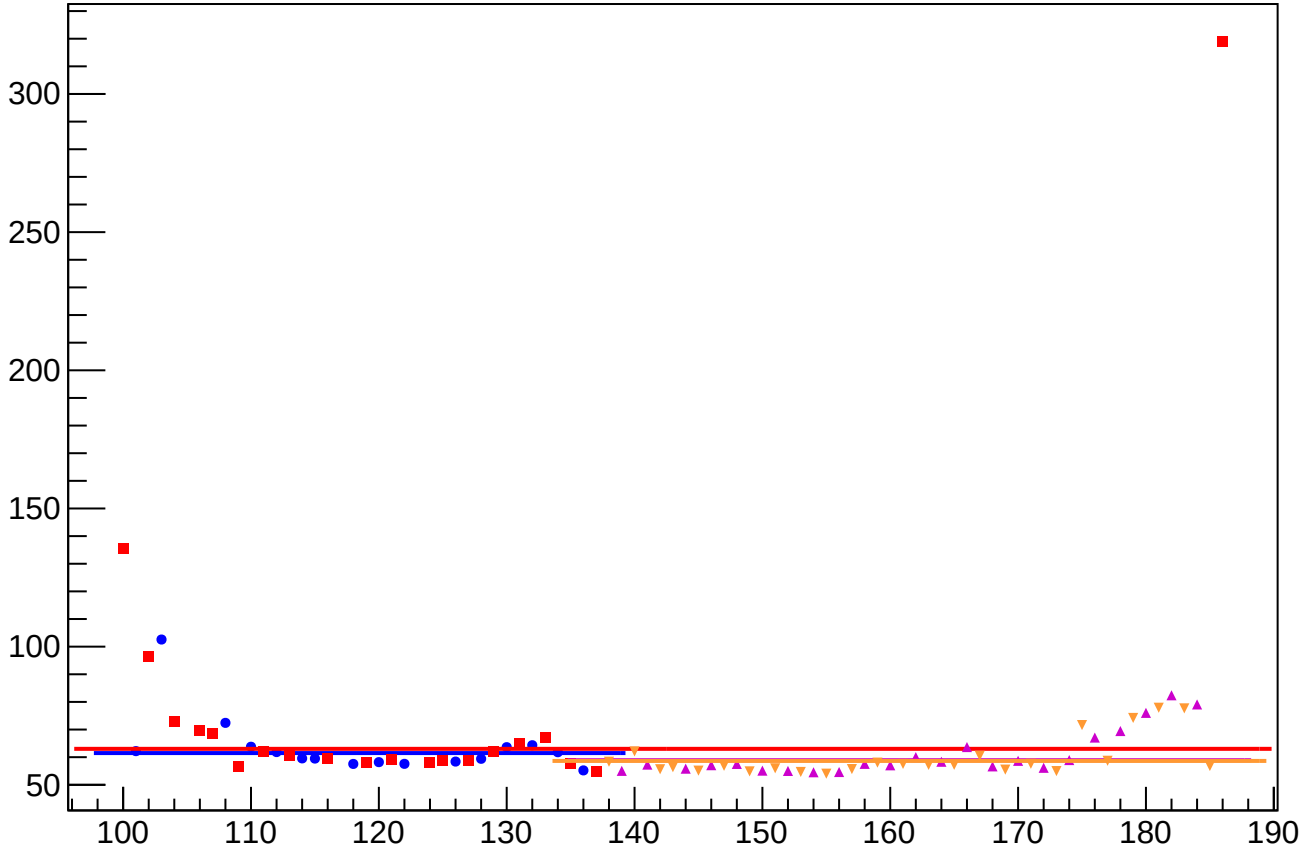
Right: -179.461+/-16.364 χ^2/NDF: 78.5/35

In: -196.911+/-11.887 χ^2/NDF:53.7/38

Out: -168.715+/-11.611 χ^2/NDF:89.6/44

All: -182.482+/-8.306 χ^2/NDF: 146.2/83

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

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

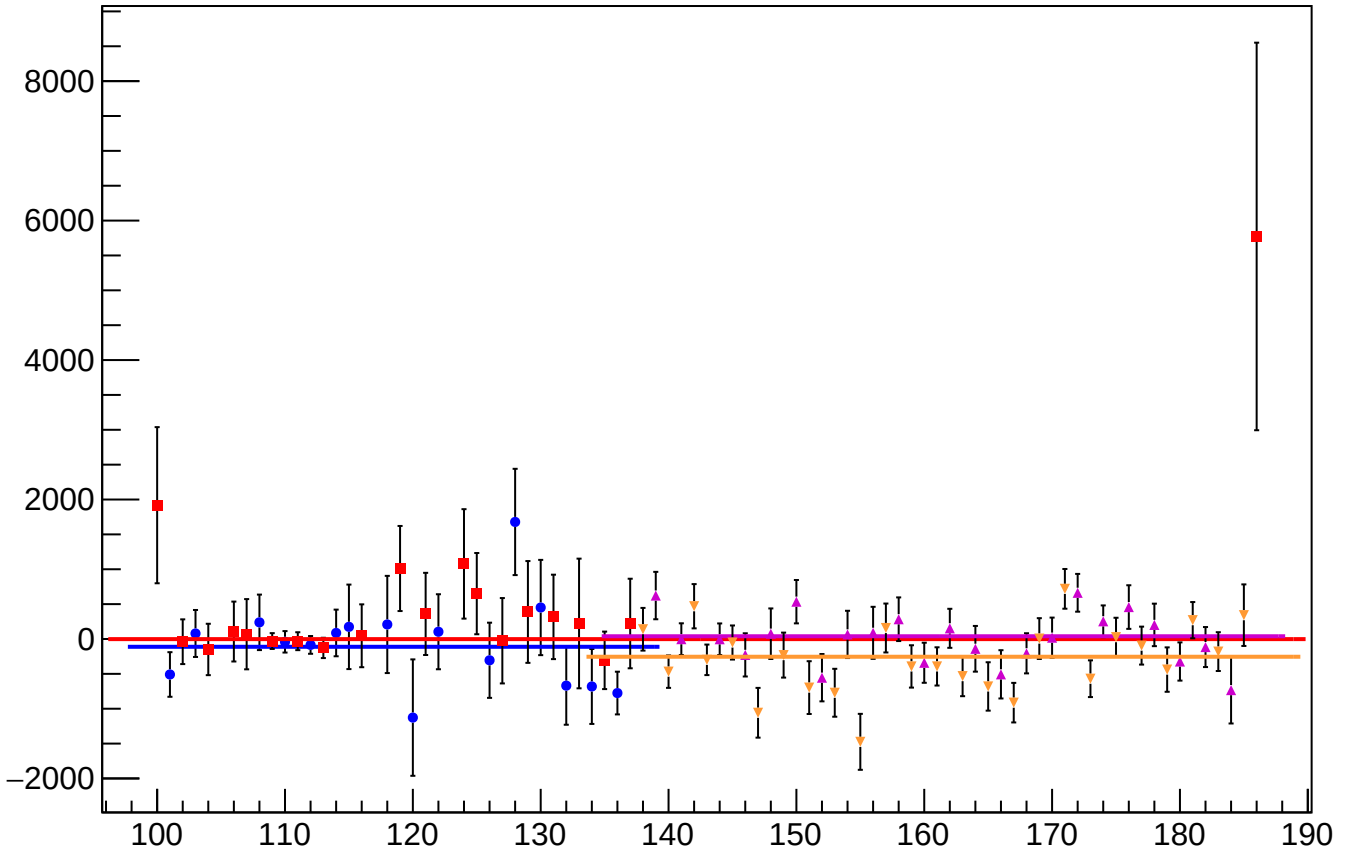
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 62.251+/-0.012 χ^2/NDF: 1054514.9/35

In: 59.588+/-0.008 χ^2/NDF:655808.5/38

Out: 59.743+/-0.008 χ^2/NDF:1246753.3/44

All: 59.667+/-0.006 χ^2/NDF: 1902735.4/83



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

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

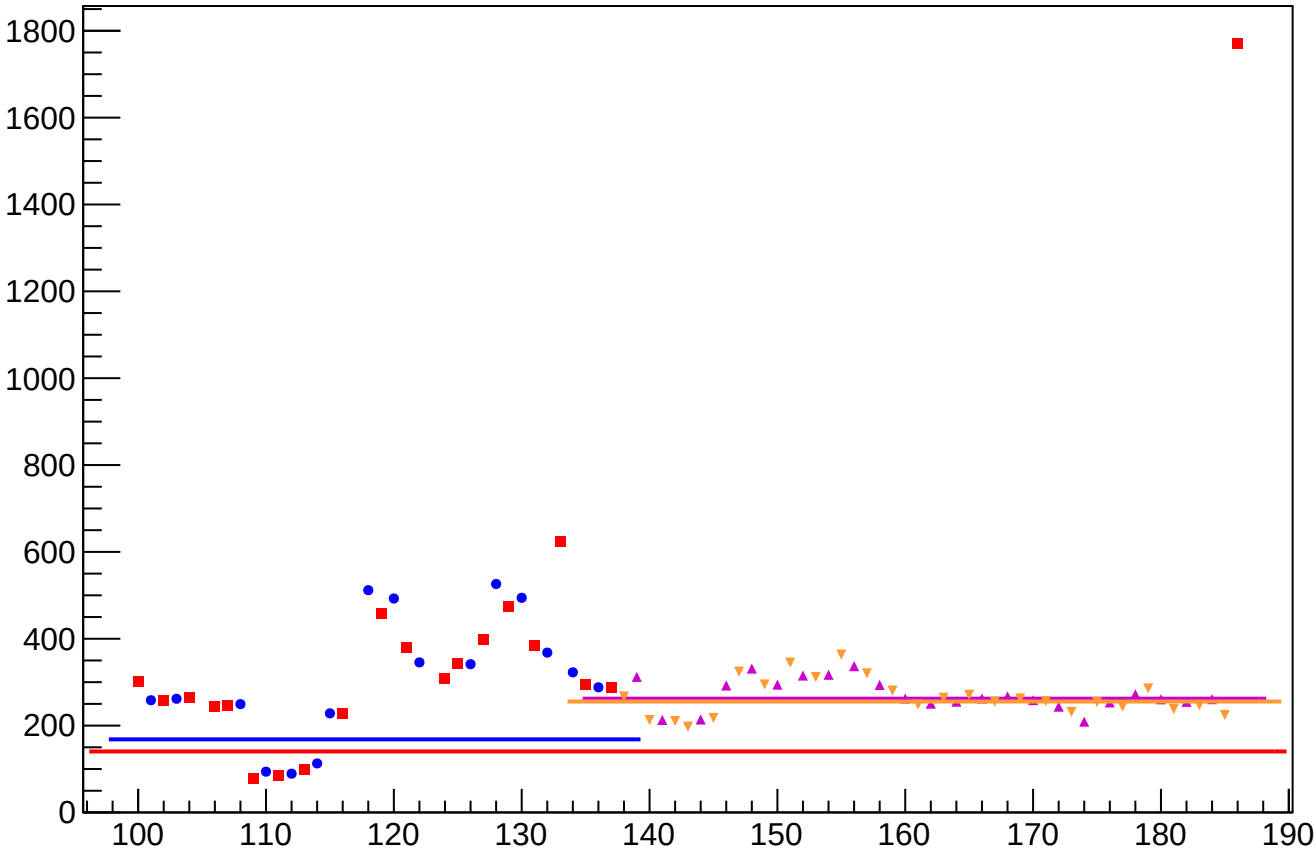
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -47.277+/-48.973 χ^2/NDF: 35.6/35

In: -20.864+/-48.040 χ^2/NDF:49.2/38

Out: -138.589+/-43.304 χ^2/NDF:82.1/44

All: -85.814+/-32.165 χ^2/NDF: 134.5/83



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

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

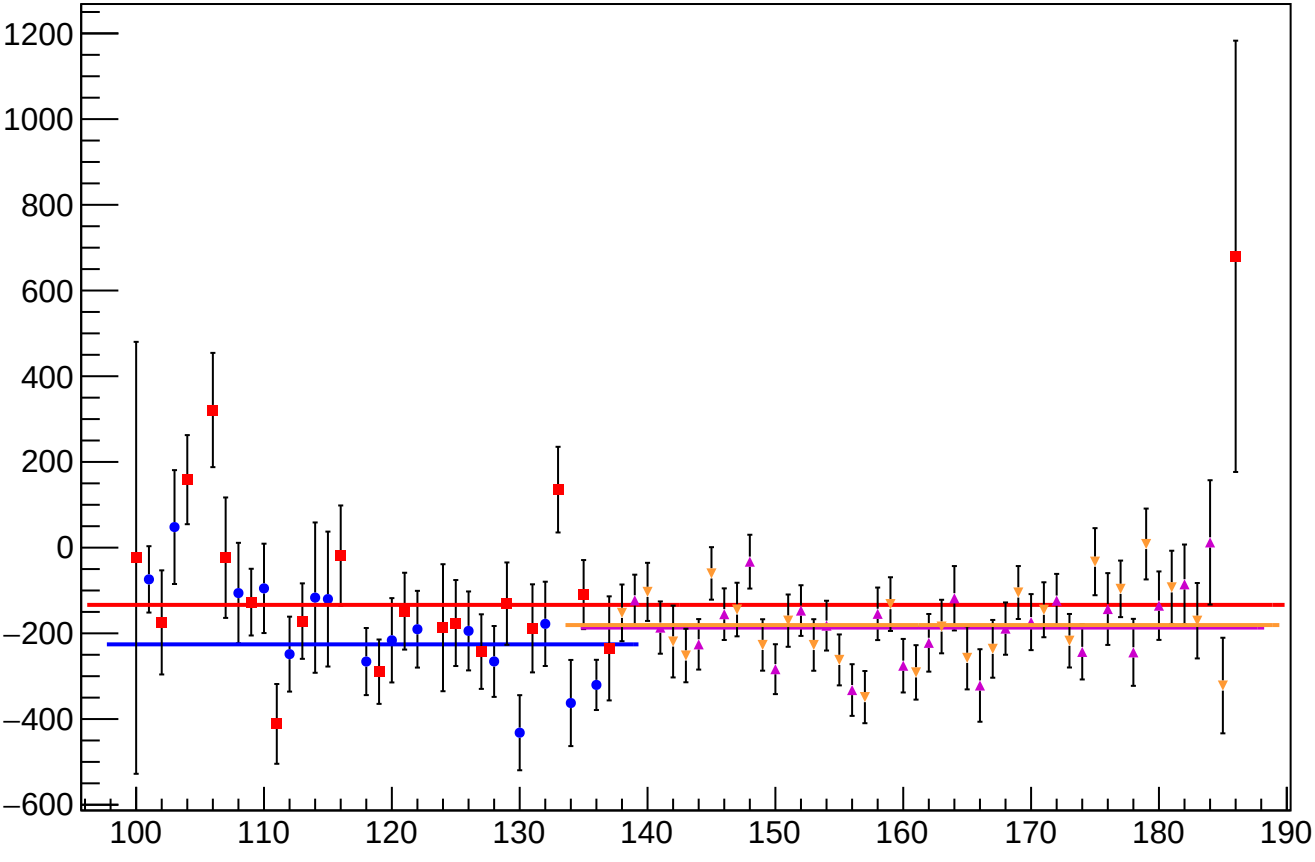
Right: 151.966+/-0.035 χ^2/NDF: 10543643.5/35

In: 224.785+/-0.034 χ^2/NDF:7035677.0/38

Out: 202.675+/-0.031 χ^2/NDF:10209753.8/44

All: 212.587+/-0.023 χ^2/NDF: 17479168.8/83

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

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

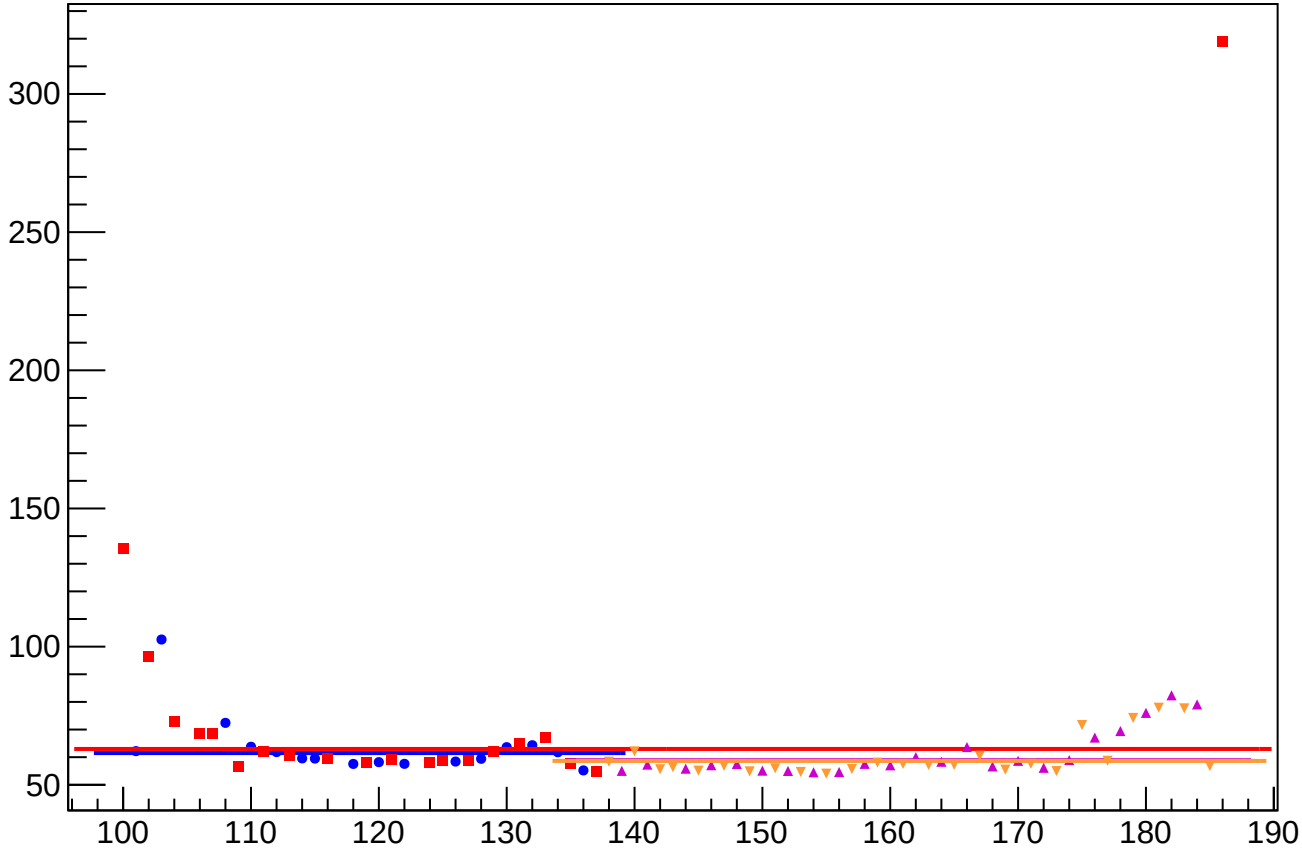
Right: -179.760+/-16.369 χ^2/NDF: 78.0/35

In: -196.912+/-11.887 χ^2/NDF:53.7/38

Out: -168.859+/-11.613 χ^2/NDF:89.2/44

All: -182.558+/-8.307 χ^2/NDF: 145.8/83

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

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

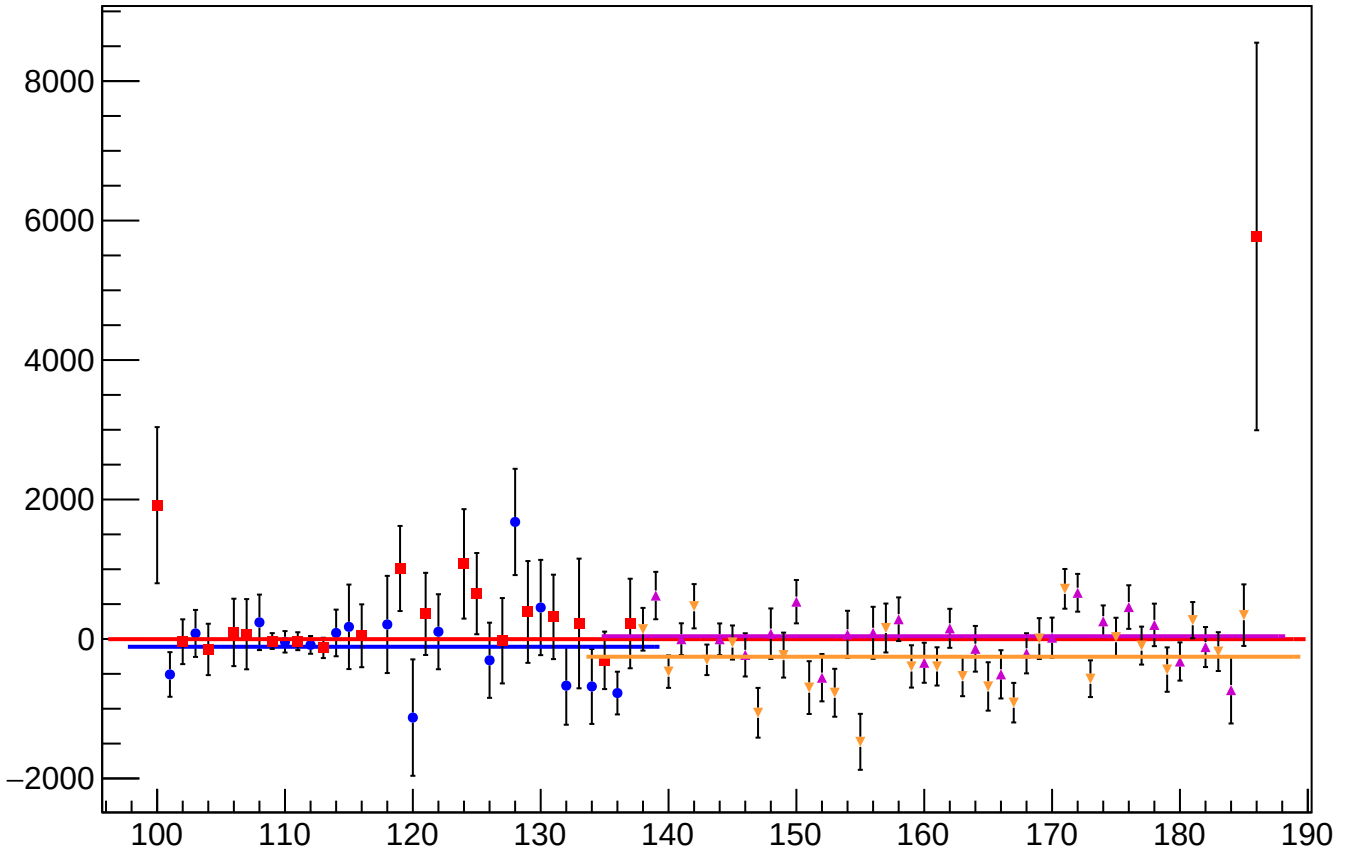
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 62.229+/-0.012 χ^2/NDF: 1052709.1/35

In: 59.588+/-0.008 χ^2/NDF:655811.2/38

Out: 59.731+/-0.008 χ^2/NDF:1244112.2/44

All: 59.661+/-0.006 χ^2/NDF: 1900071.8/83



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

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

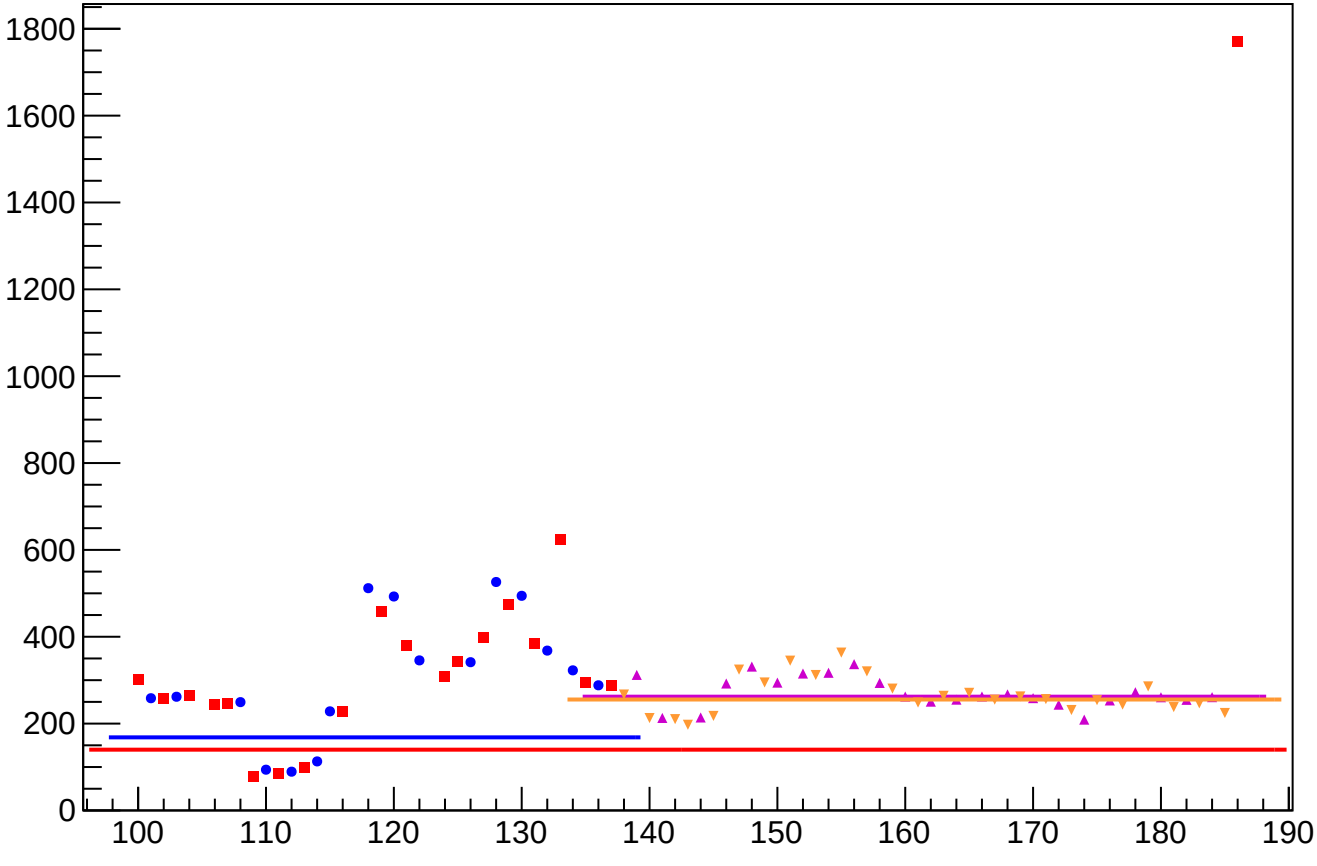
Right: -47.811+/-49.041 χ^2/NDF: 35.6/35

In: -20.858+/-48.041 χ^2/NDF:49.2/38

Out: -139.210+/-43.351 χ^2/NDF:82.0/44

All: -86.091+/-32.184 χ^2/NDF: 134.5/83

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

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

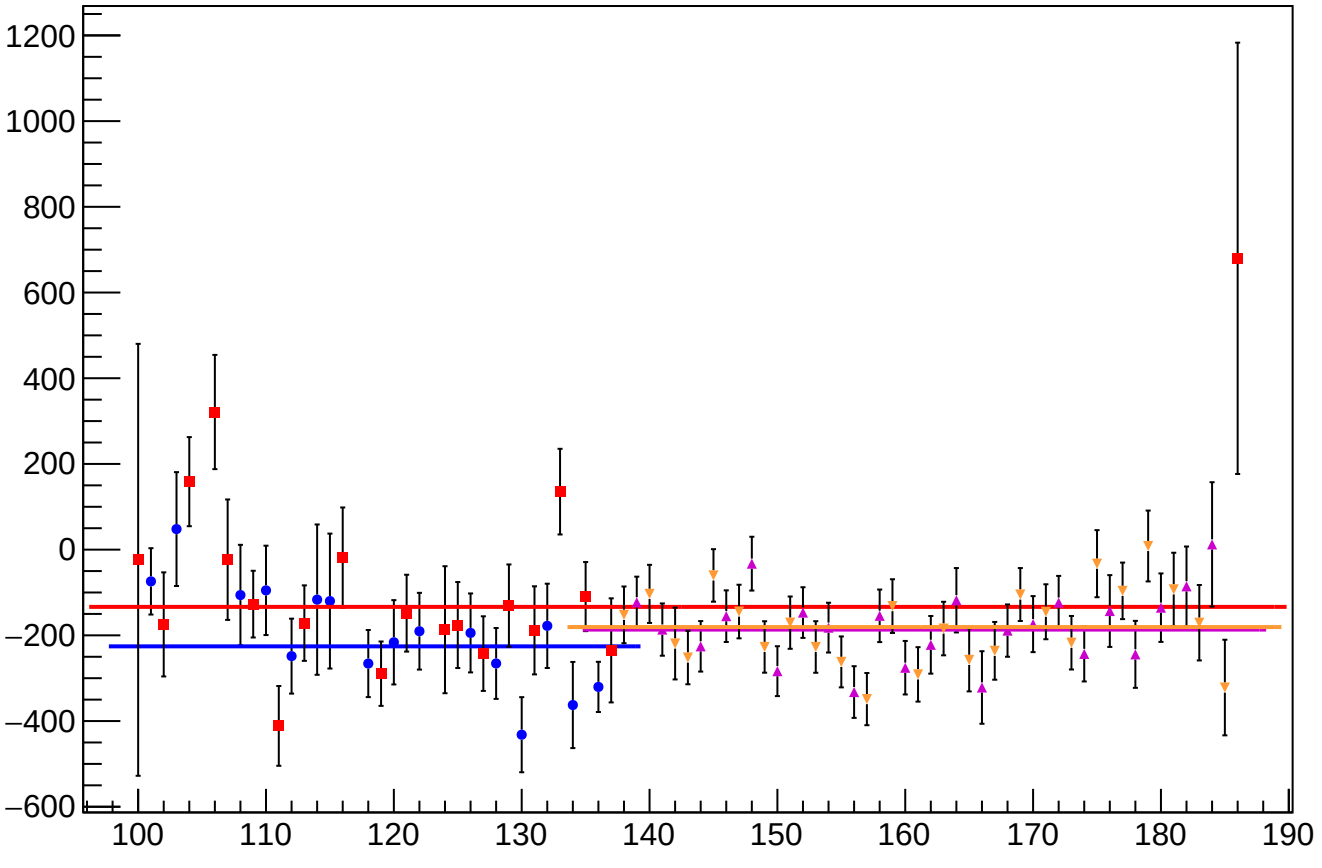
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 151.714+/-0.035 χ^2/NDF: 10525155.7/35

In: 224.786+/-0.034 χ^2/NDF:7035707.9/38

Out: 202.589+/-0.031 χ^2/NDF:10206510.3/44

All: 212.551+/-0.023 χ^2/NDF: 17477558.3/83



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

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

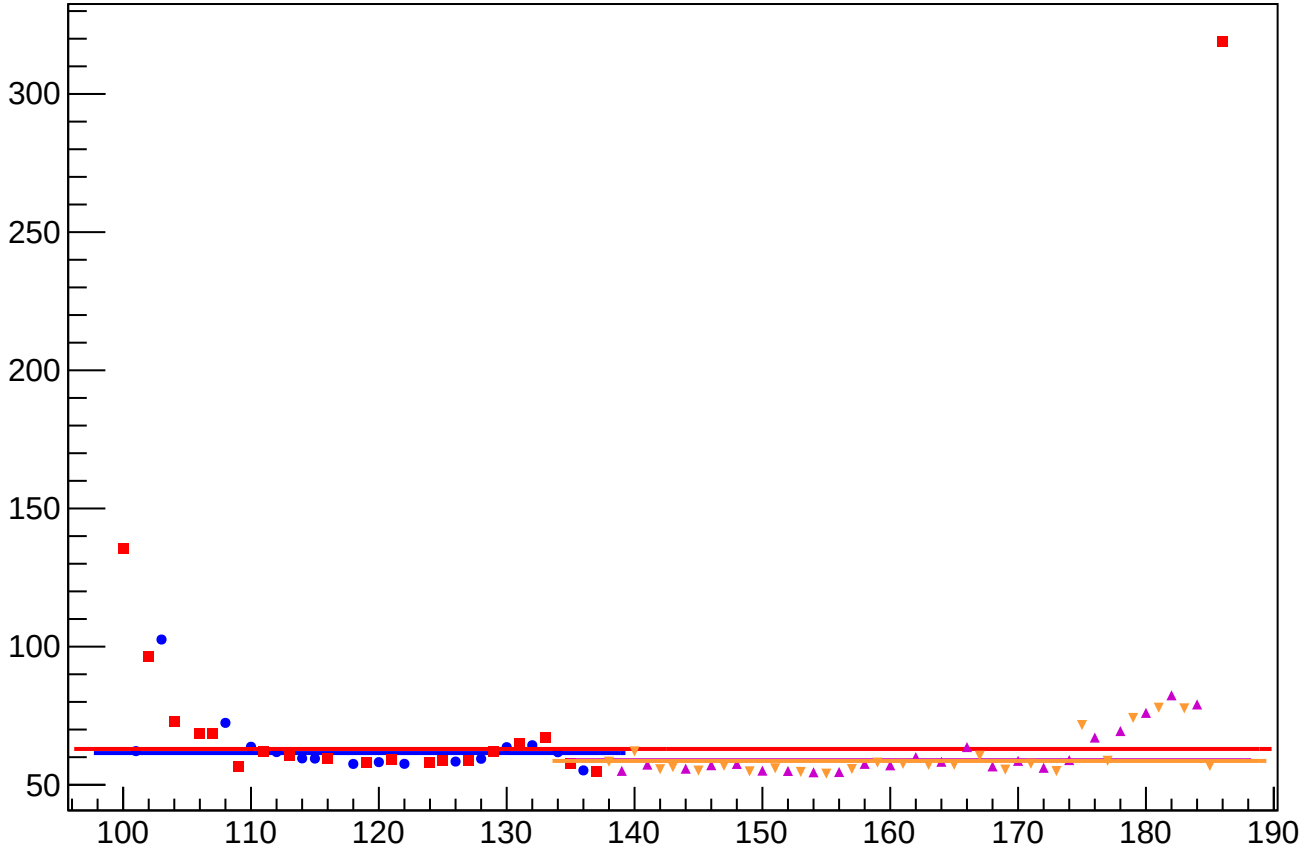
Right: -179.760+/-16.369 χ^2/NDF: 78.0/35

In: -196.912+/-11.887 χ^2/NDF:53.7/38

Out: -168.859+/-11.613 χ^2/NDF:89.2/44

All: -182.558+/-8.307 χ^2/NDF: 145.8/83

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

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

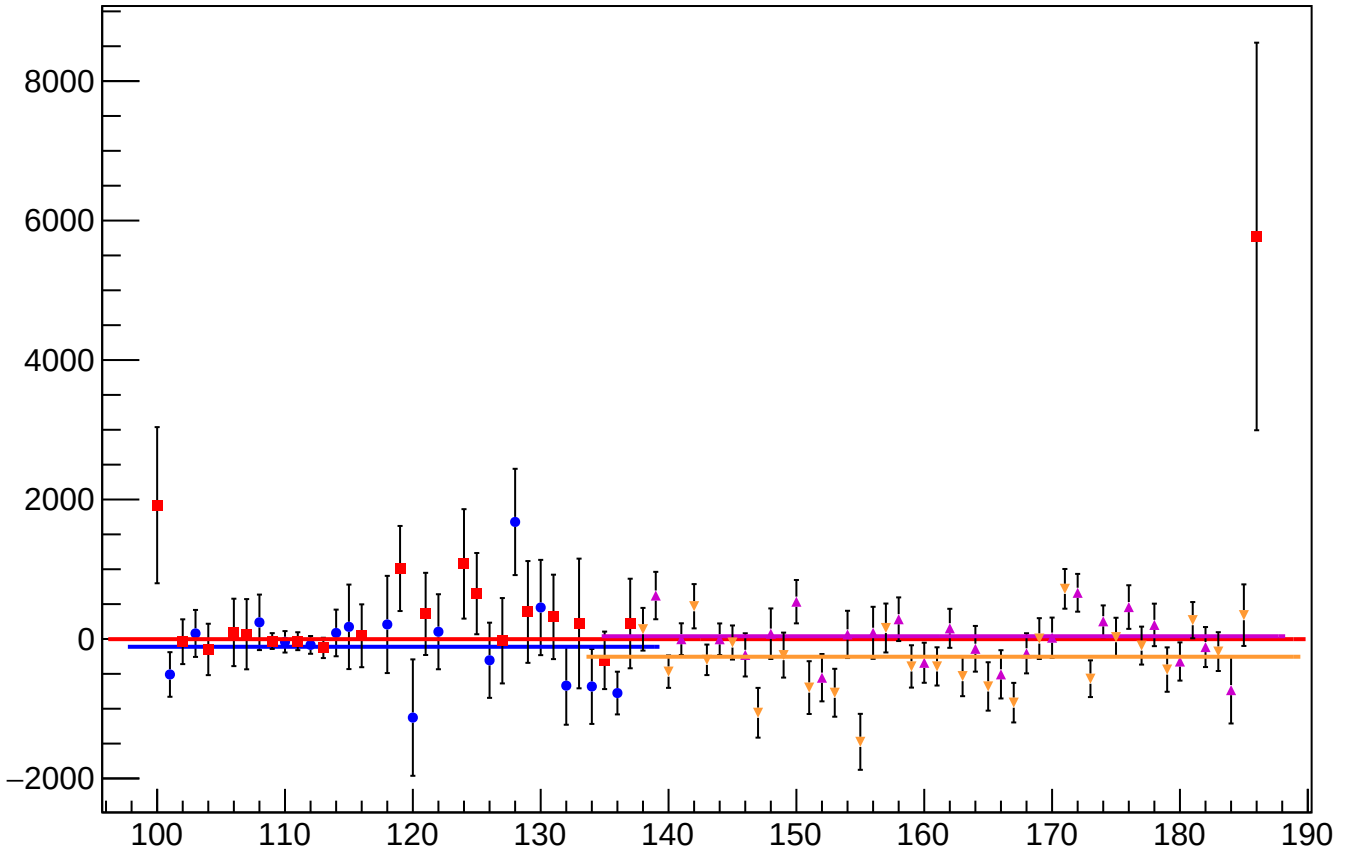
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 62.229+/-0.012 χ^2/NDF: 1052709.1/35

In: 59.588+/-0.008 χ^2/NDF:655811.2/38

Out: 59.731+/-0.008 χ^2/NDF:1244112.2/44

All: 59.661+/-0.006 χ^2/NDF: 1900071.8/83



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

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

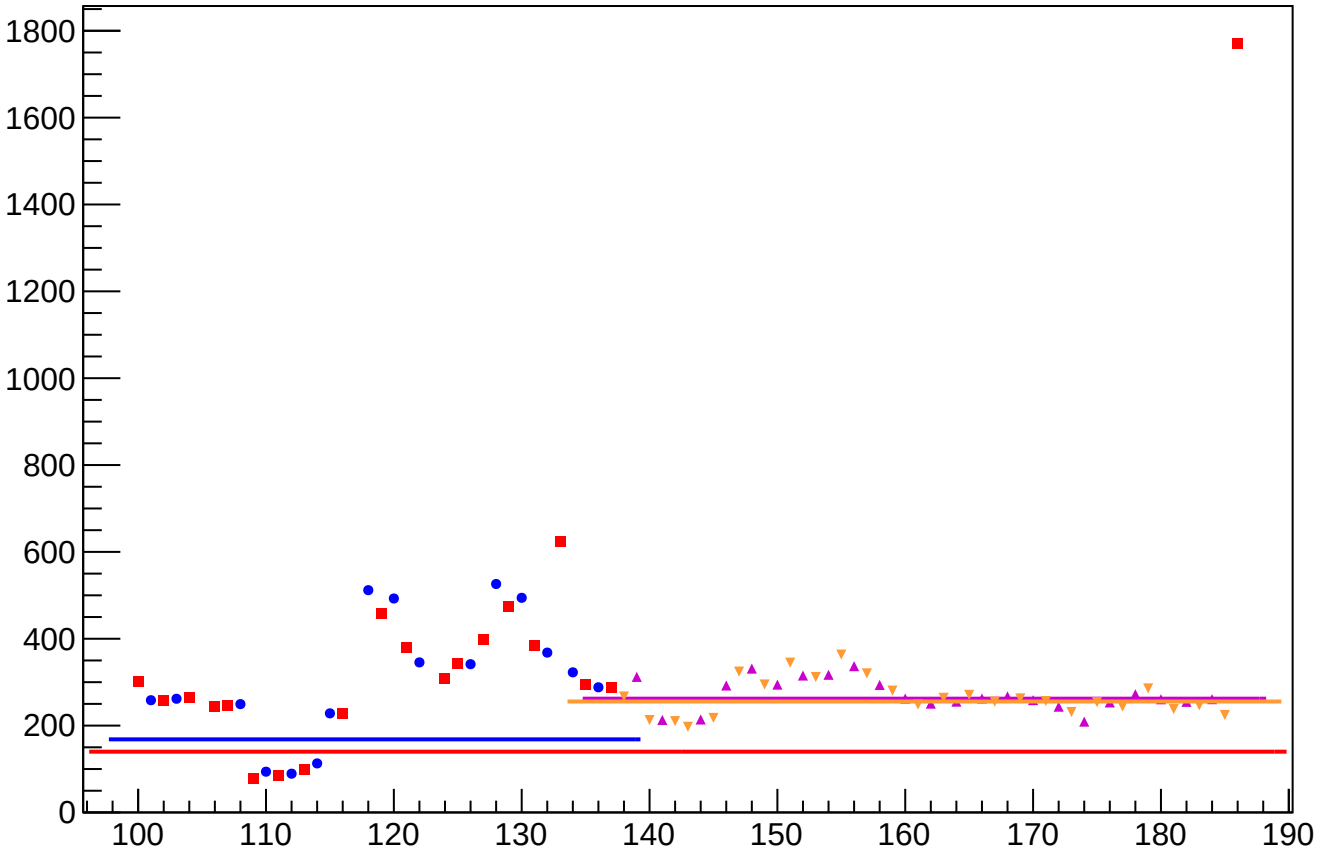
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -47.811+/-49.041 χ^2/NDF: 35.6/35

In: -20.858+/-48.041 χ^2/NDF:49.2/38

Out: -139.210+/-43.351 χ^2/NDF:82.0/44

All: -86.091+/-32.184 χ^2/NDF: 134.5/83



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

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

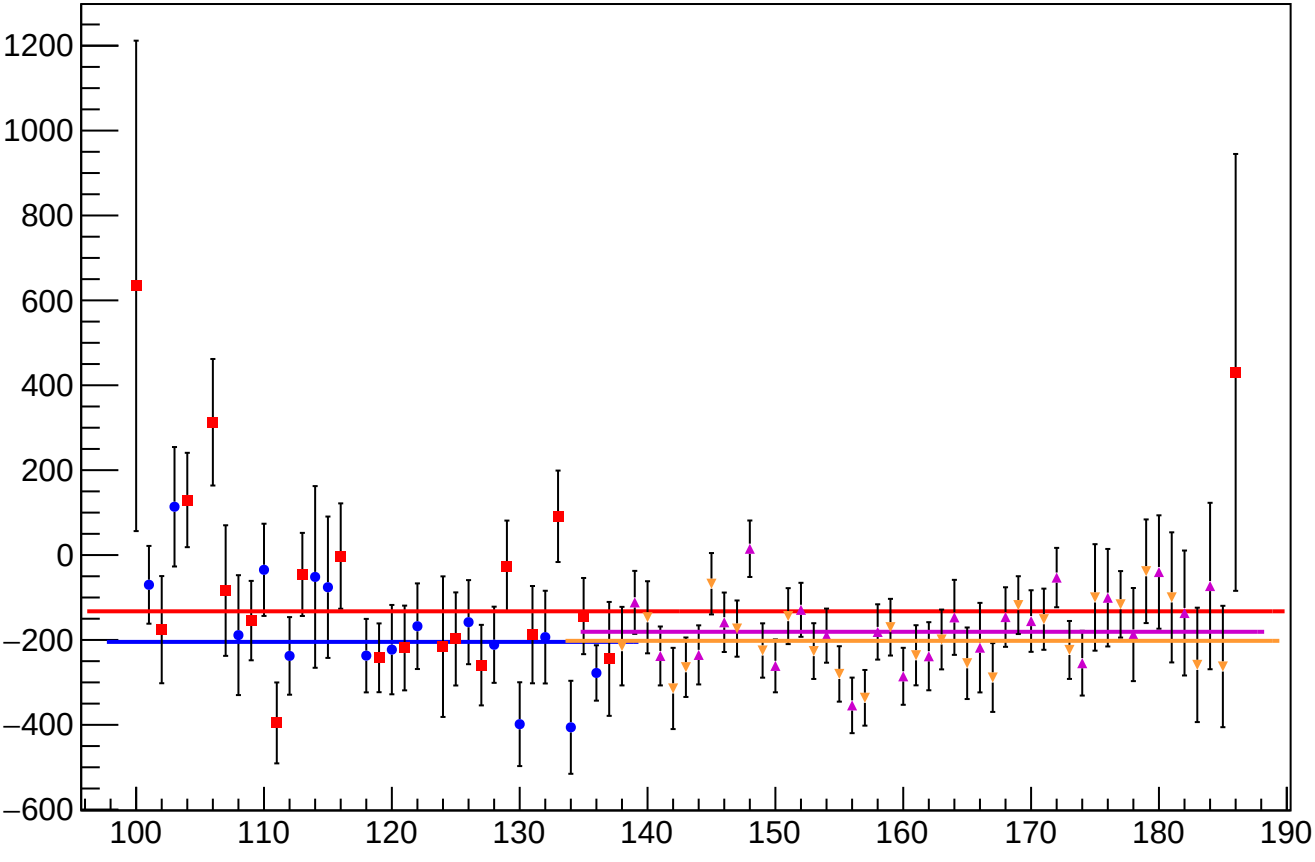
Right: 151.714+/-0.035 χ^2/NDF: 10525155.7/35

In: 224.786+/-0.034 χ^2/NDF:7035707.9/38

Out: 202.589+/-0.031 χ^2/NDF:10206510.3/44

All: 212.551+/-0.023 χ^2/NDF: 17477558.3/83

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

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

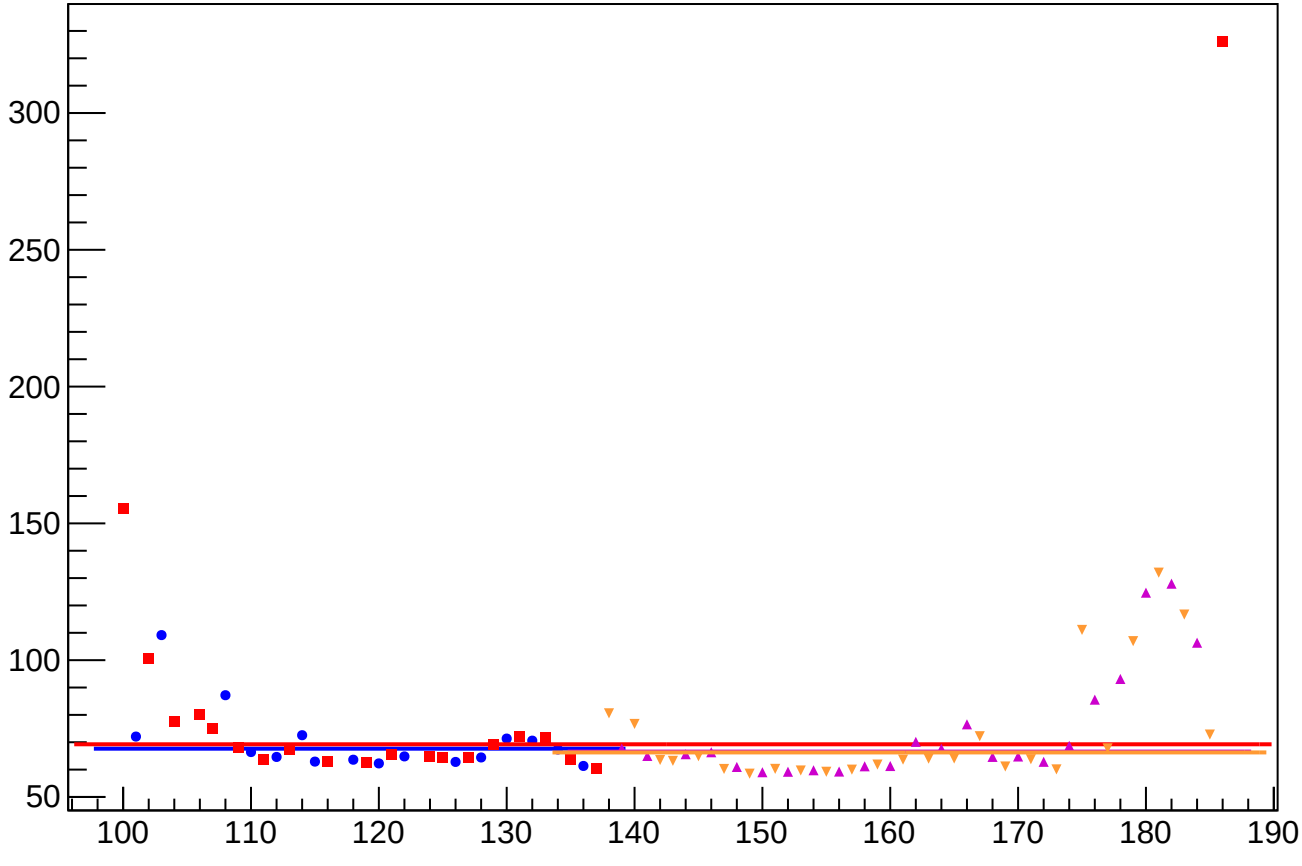
Right: -168.460+/-18.023 χ^2/NDF: 62.4/35

In: -187.507+/-13.568 χ^2/NDF:50.8/38

Out: -183.209+/-13.262 χ^2/NDF:65.4/44

All: -185.309+/-9.484 χ^2/NDF: 116.2/83

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

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

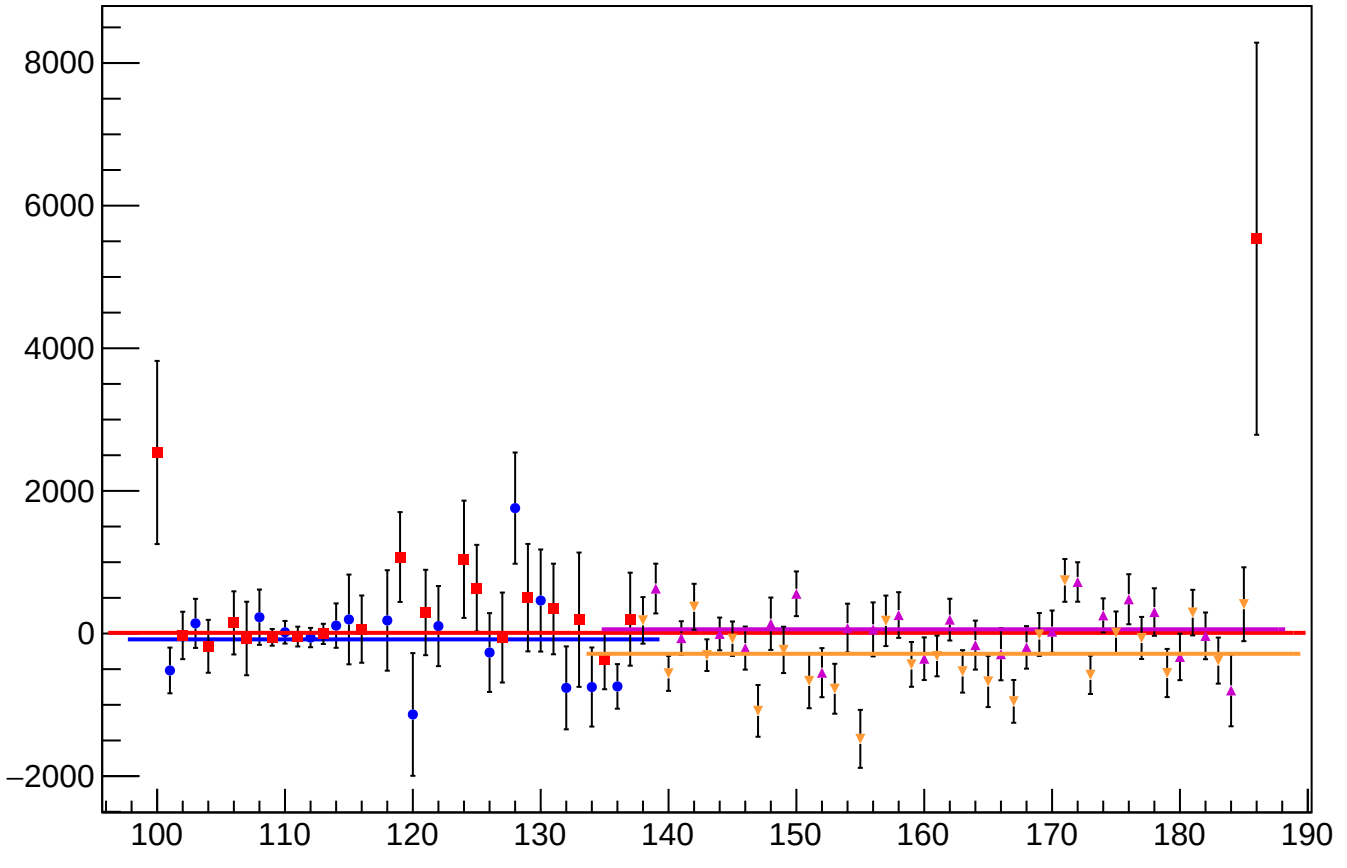
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 68.453+/-0.013 χ^2/NDF: 1015186.4/35

In: 66.885+/-0.010 χ^2/NDF:1424392.4/38

Out: 67.087+/-0.009 χ^2/NDF:2161327.2/44

All: 66.988+/-0.007 χ^2/NDF: 3585944.4/83



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

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

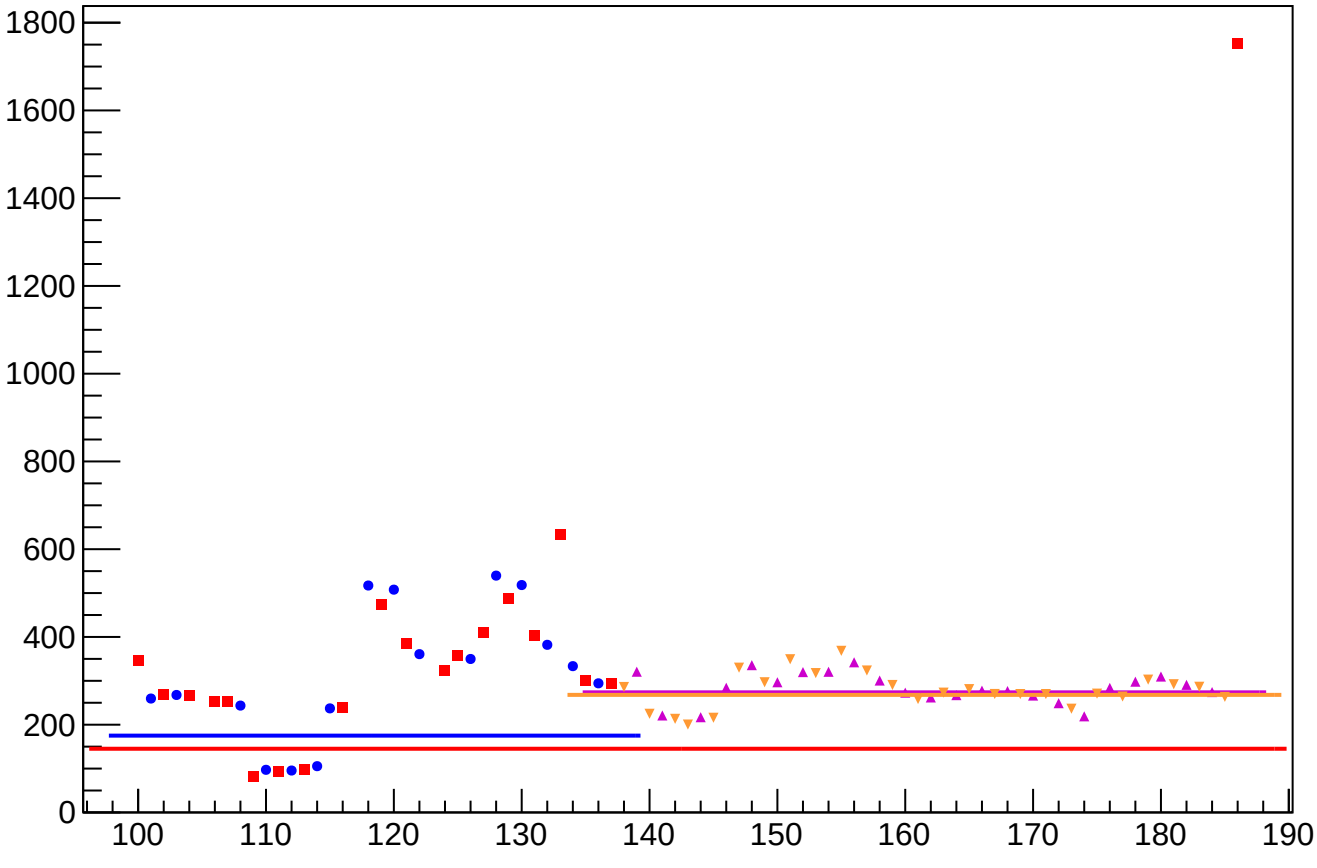
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -28.468+/-50.515 χ^2/NDF: 36.1/35

In: 2.186+/-49.943 χ^2/NDF:48.0/38

Out: -147.178+/-45.048 χ^2/NDF:81.3/44

All: -80.173+/-33.451 χ^2/NDF: 134.2/83



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

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

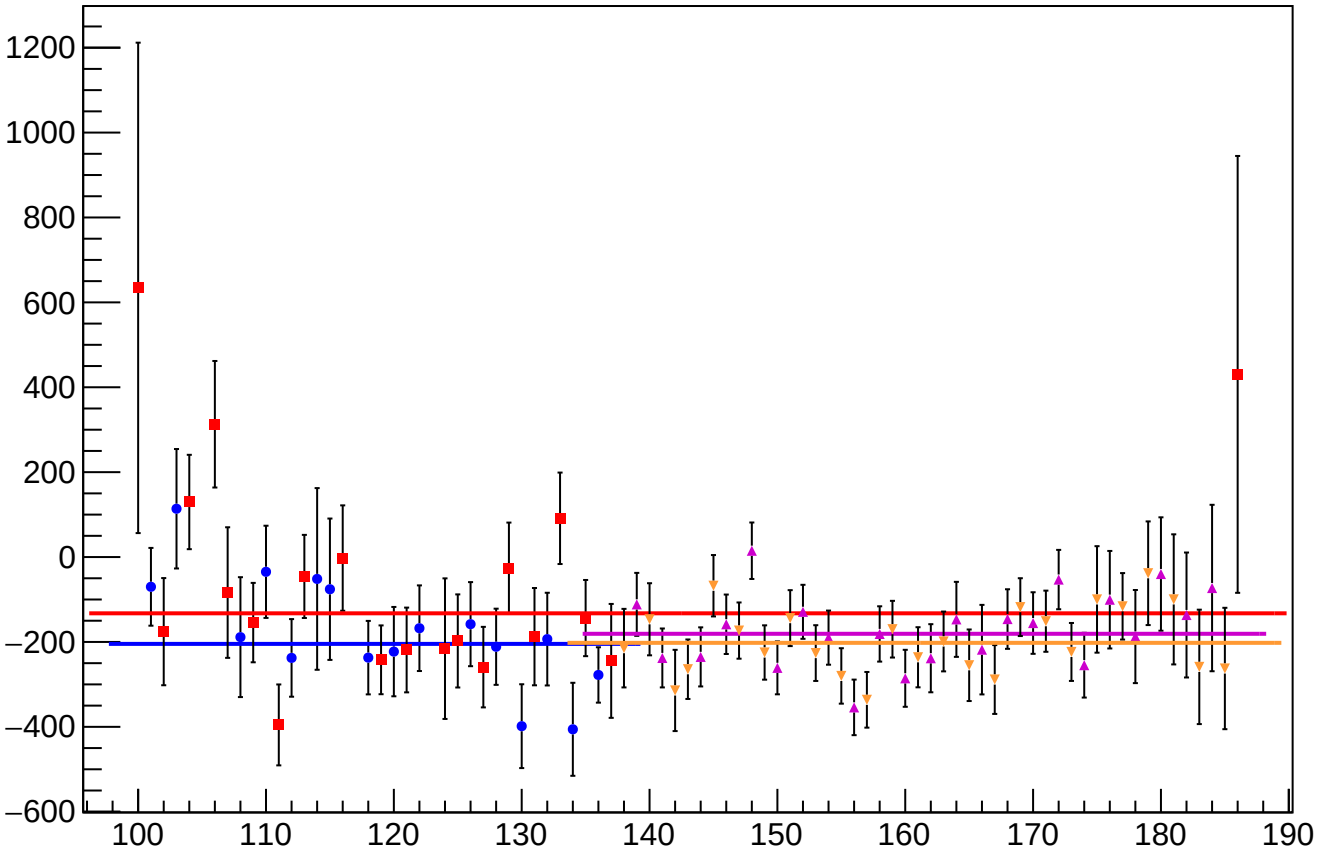
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 157.526+/-0.036 χ^2/NDF: 10415049.4/35

In: 233.998+/-0.035 χ^2/NDF:6956749.1/38

Out: 210.594+/-0.032 χ^2/NDF:10377820.7/44

All: 221.093+/-0.024 χ^2/NDF: 17576721.1/83



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

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

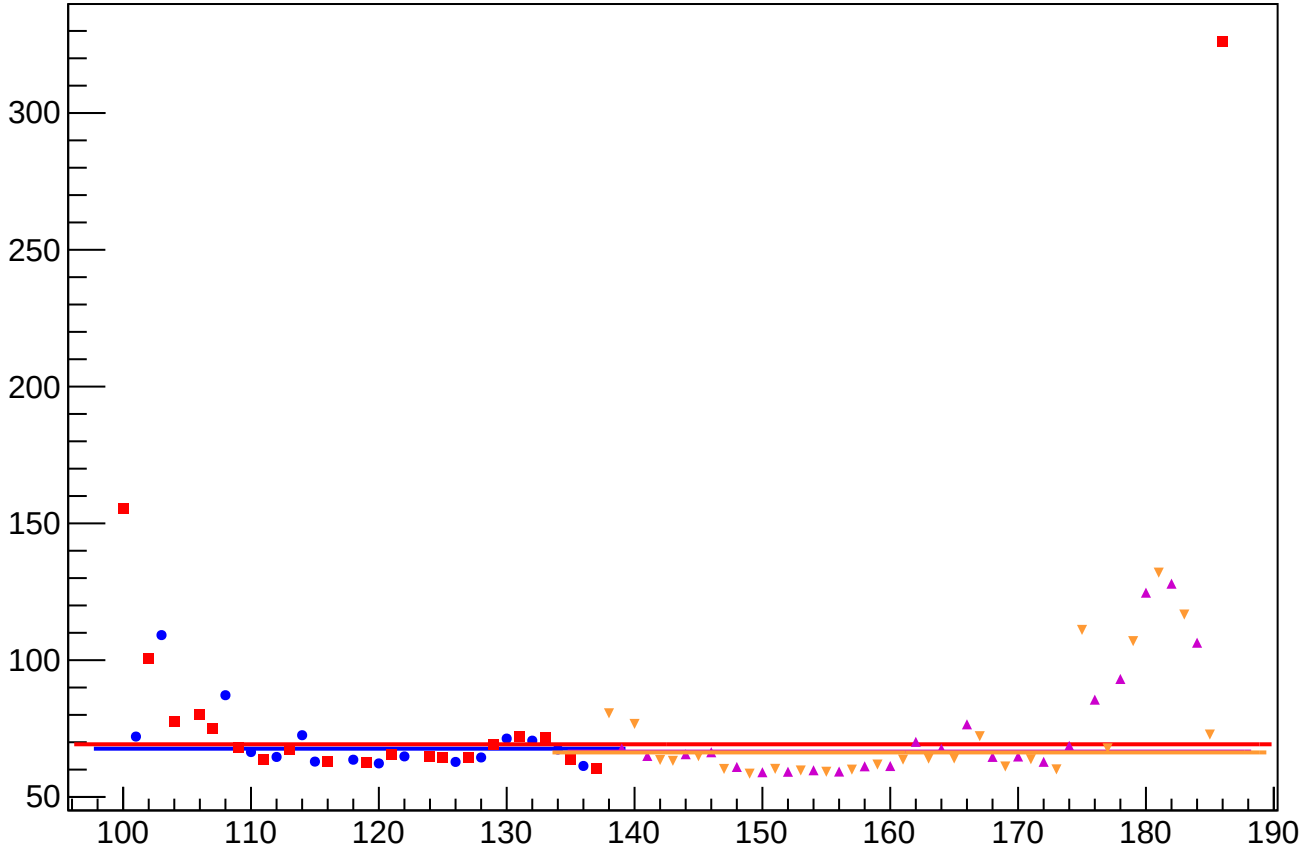
Right: -168.461+/-18.023 χ^2/NDF: 62.4/35

In: -187.508+/-13.568 χ^2/NDF:50.8/38

Out: -183.209+/-13.262 χ^2/NDF:65.4/44

All: -185.309+/-9.484 χ^2/NDF: 116.2/83

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

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

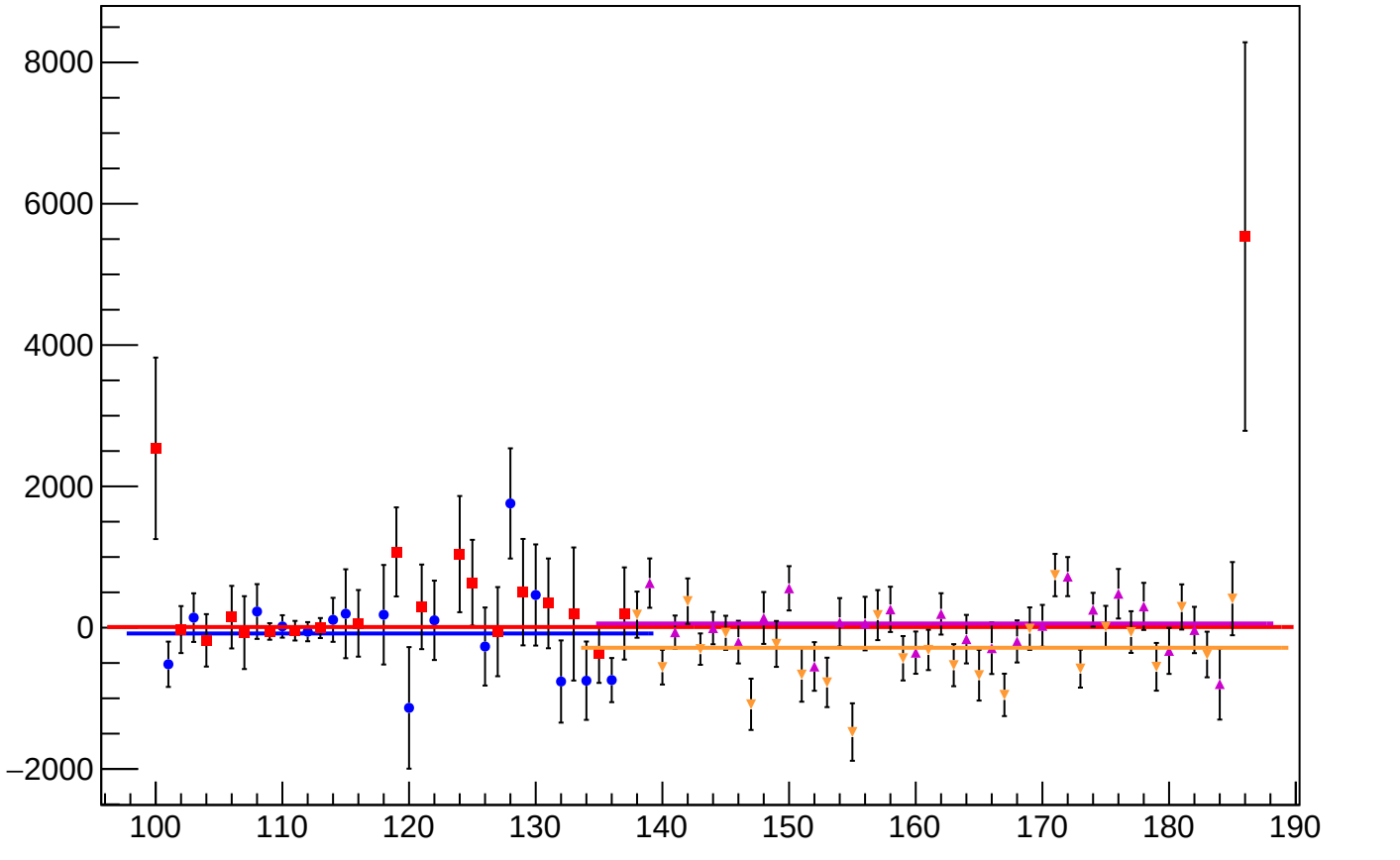
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 68.453+/-0.013 χ^2/NDF: 1015187.6/35

In: 66.885+/-0.010 χ^2/NDF:1424384.2/38

Out: 67.087+/-0.009 χ^2/NDF:2161328.5/44

All: 66.988+/-0.007 χ^2/NDF: 3585937.4/83



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

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

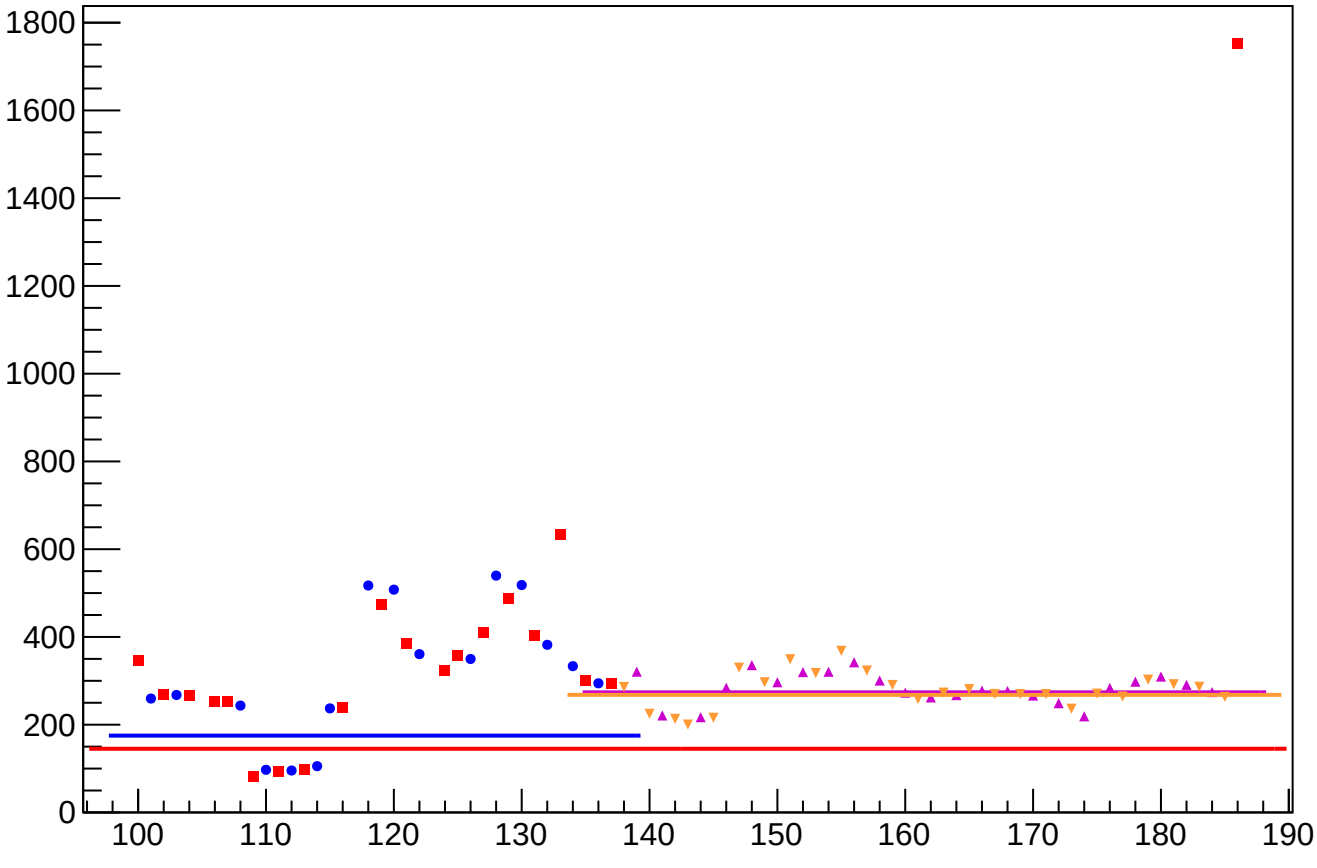
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -28.469+/-50.515 χ^2/NDF: 36.1/35

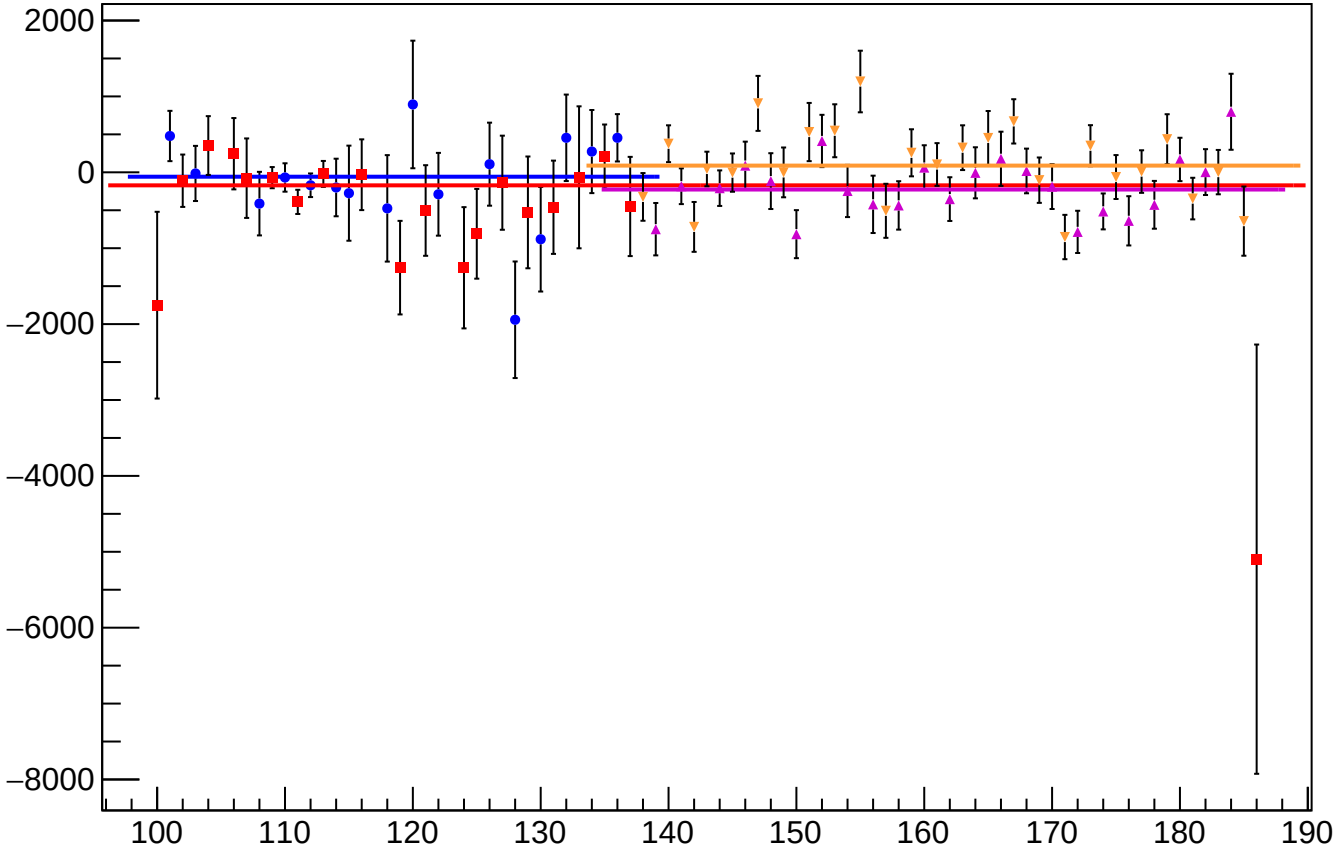
In: 2.186+/-49.943 χ^2/NDF:48.0/38

Out: -147.178+/-45.048 χ^2/NDF:81.3/44

All: -80.173+/-33.451 χ^2/NDF: 134.2/83


asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 175.098+/-0.056 χ²/NDF: 4429098.4/15
Left Out: 267.985+/-0.044 χ²/NDF:862797.1/24
Right Out: 145.199+/-0.047 χ²/NDF: 5816179.4/19
Left In: 273.750+/-0.046 χ²/NDF:650300.9/22
Left: 270.735+/-0.032 χ²/NDF: 1521420.2/47
Right: 157.525+/-0.036 χ²/NDF: 10415040.9/35
In: 233.996+/-0.035 χ²/NDF:6956812.1/38
Out: 210.594+/-0.032 χ²/NDF:10377793.4/44
All: 221.092+/-0.024 χ²/NDF: 17576745.3/83

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

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

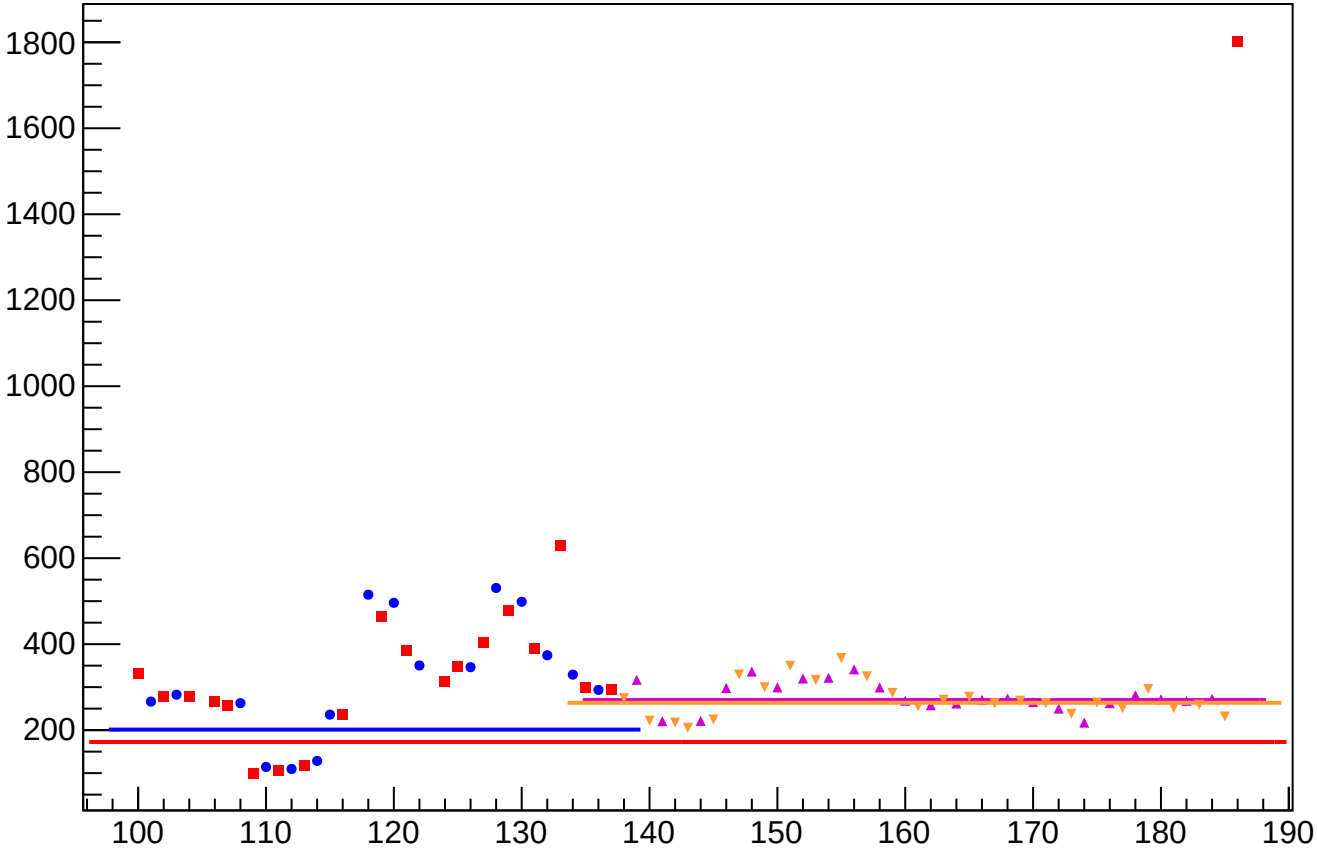
Right: -123.490+/-56.589 χ^2/NDF: 36.9/35

In: -167.854+/-51.361 χ^2/NDF:48.7/38

Out: -15.207+/-47.060 χ^2/NDF:78.1/44

All: -84.872+/-34.698 χ^2/NDF: 131.5/83

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

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

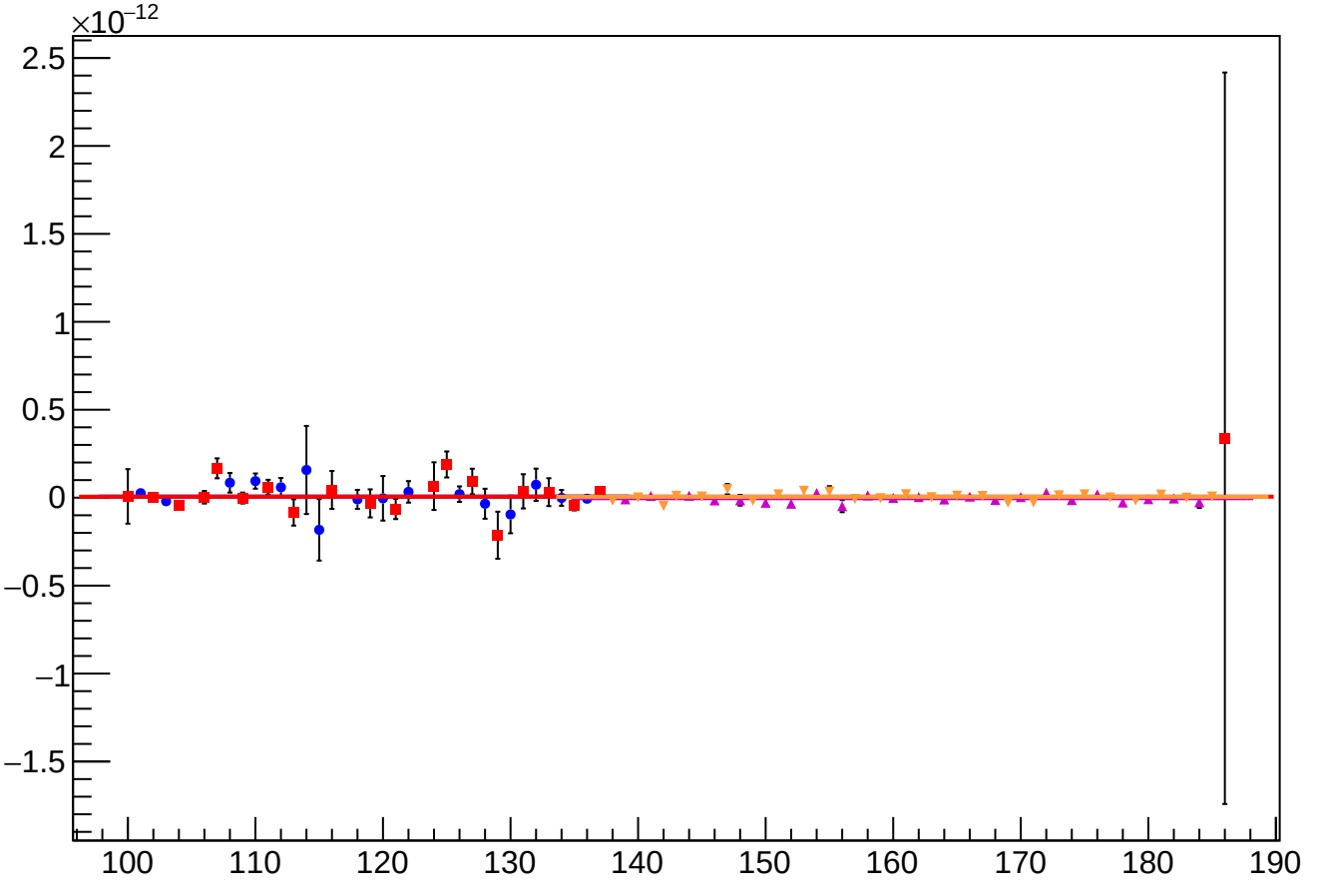
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 184.650+/-0.040 χ^2/NDF: 8556680.4/35

In: 245.930+/-0.036 χ^2/NDF:4985401.2/38

Out: 227.269+/-0.033 χ^2/NDF:7437130.6/44

All: 235.786+/-0.025 χ^2/NDF: 12566046.0/83



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

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

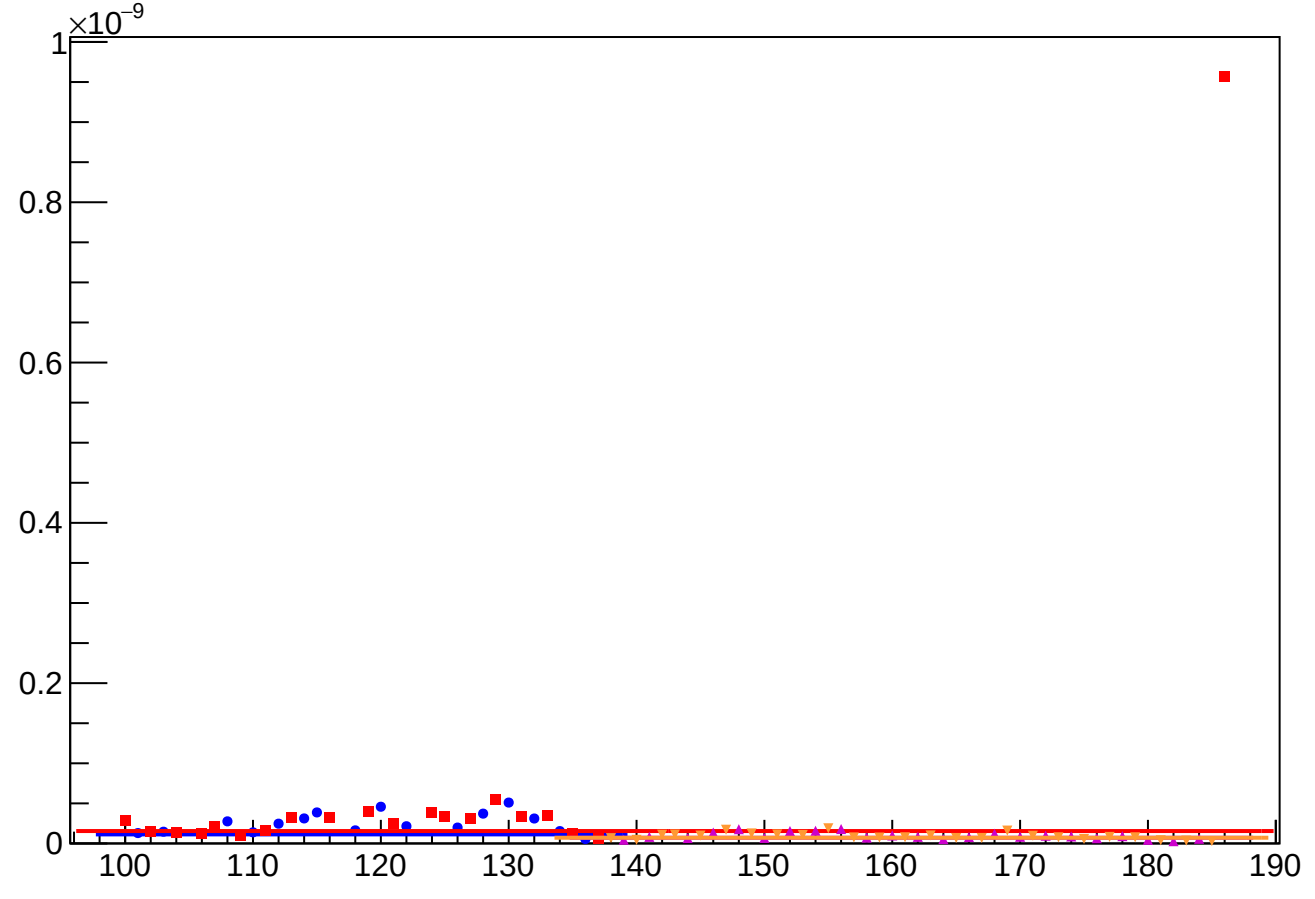
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 44.3/35

In: -0.000+/-0.000 χ^2/NDF:36.4/38

Out: 0.000+/-0.000 χ^2/NDF:58.4/44

All: 0.000+/-0.000 χ^2/NDF: 97.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

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

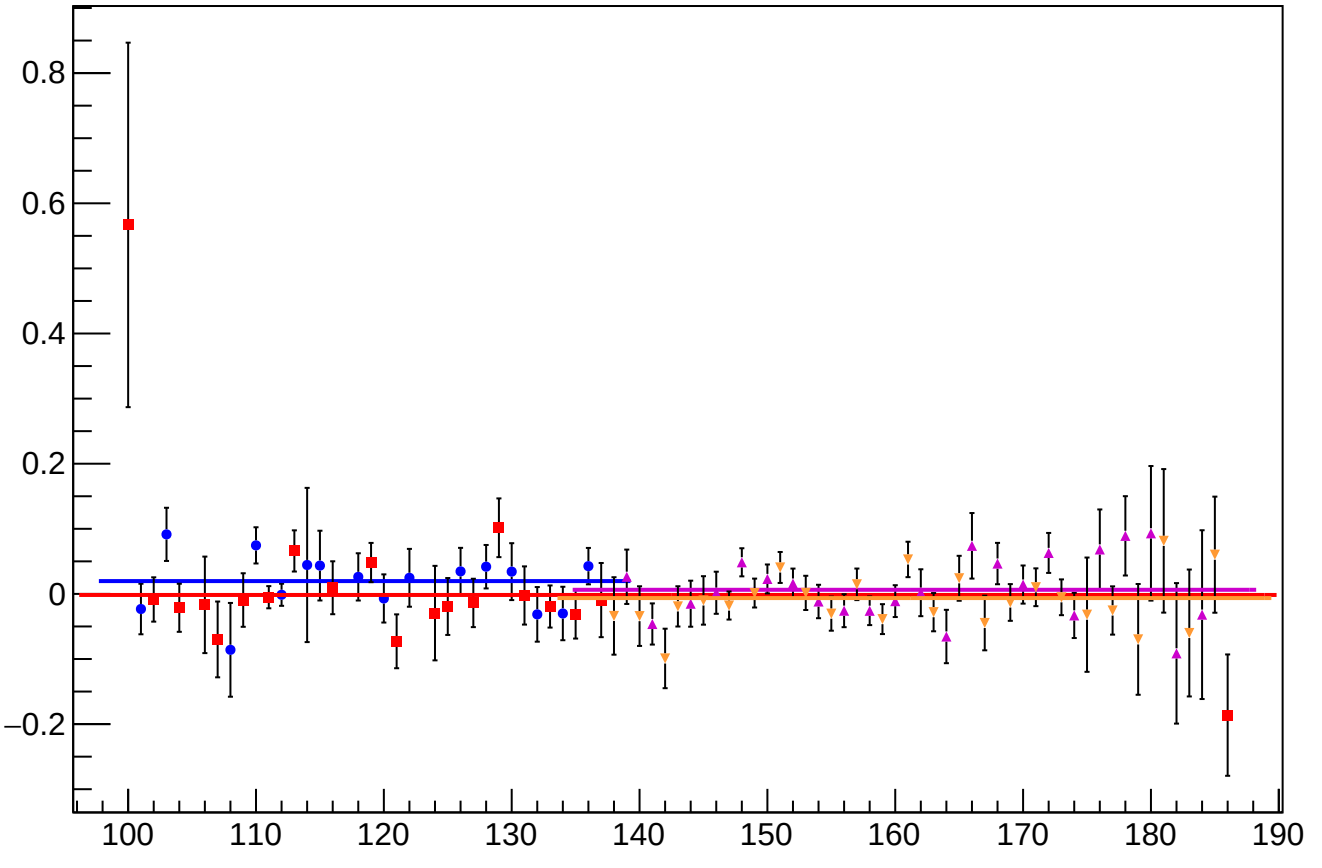
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 3843718.4/35

In: 0.000+/-0.000 χ^2/NDF:4298726.1/38

Out: 0.000+/-0.000 χ^2/NDF:5035676.4/44

All: 0.000+/-0.000 χ^2/NDF: 9339020.1/83



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

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

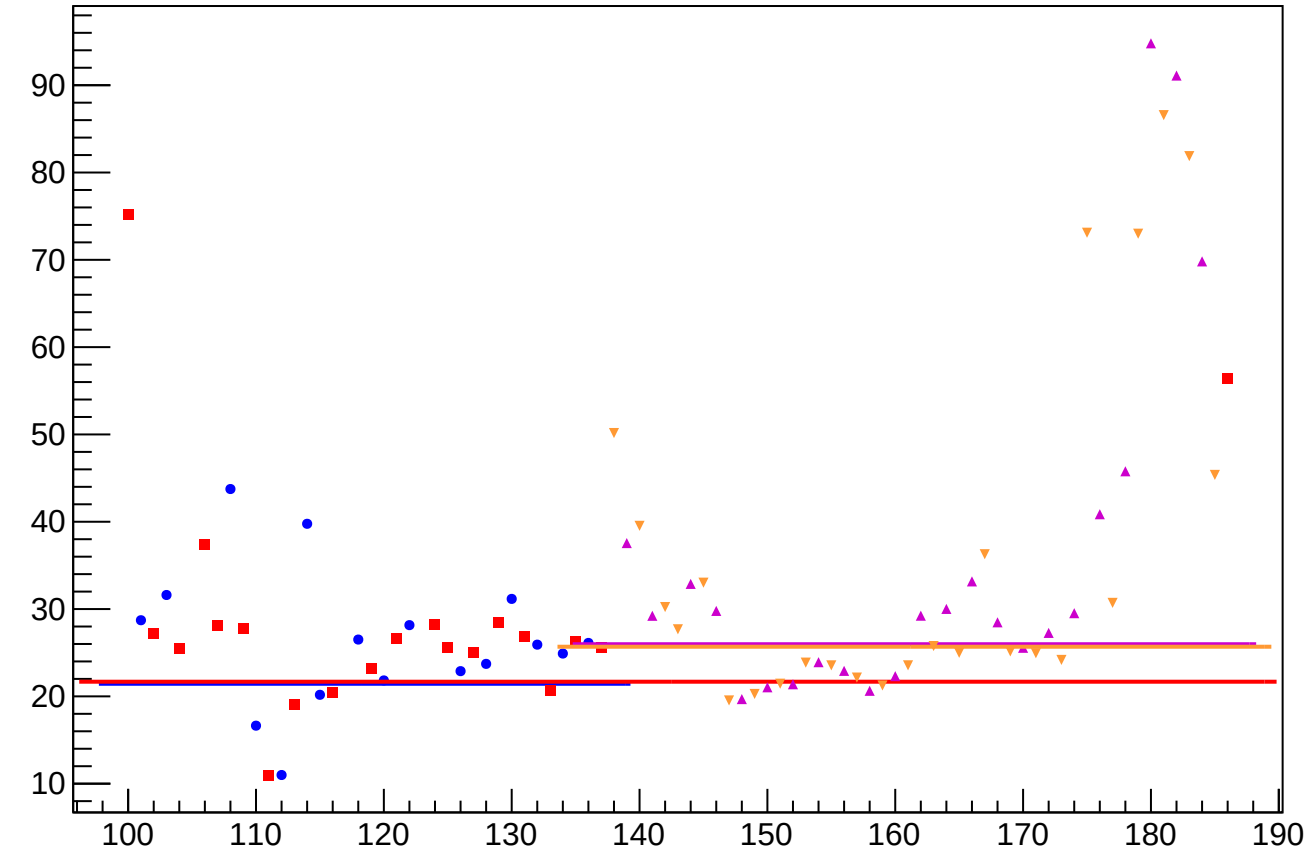
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 46.9/35

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 101.2/83



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

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

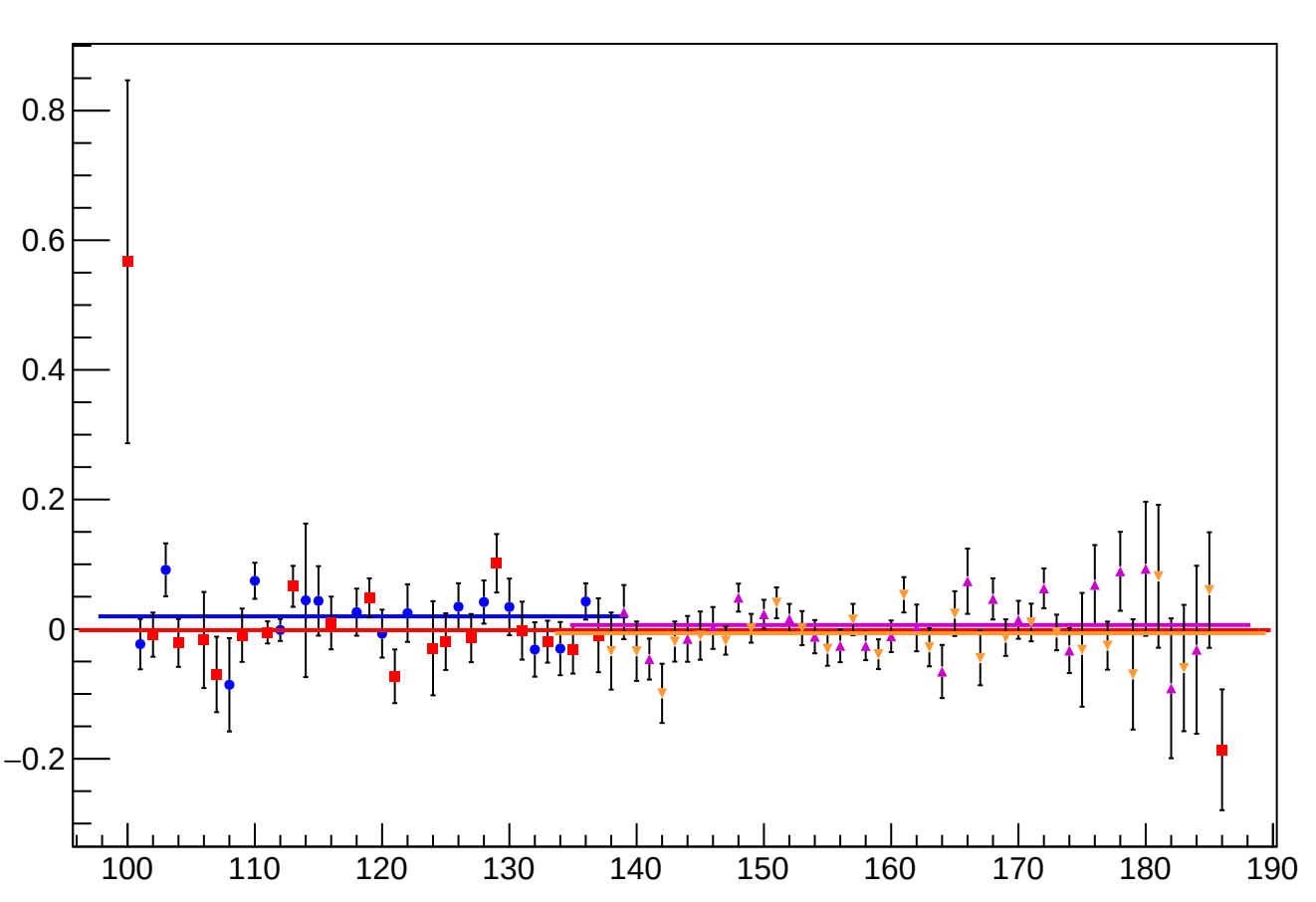
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 21.564+/-0.004 χ^2/NDF: 3132609.4/35

In: 24.306+/-0.004 χ^2/NDF:5002662.3/38

Out: 24.231+/-0.004 χ^2/NDF:5747677.8/44

All: 24.267+/-0.003 χ^2/NDF: 10750551.0/83



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

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

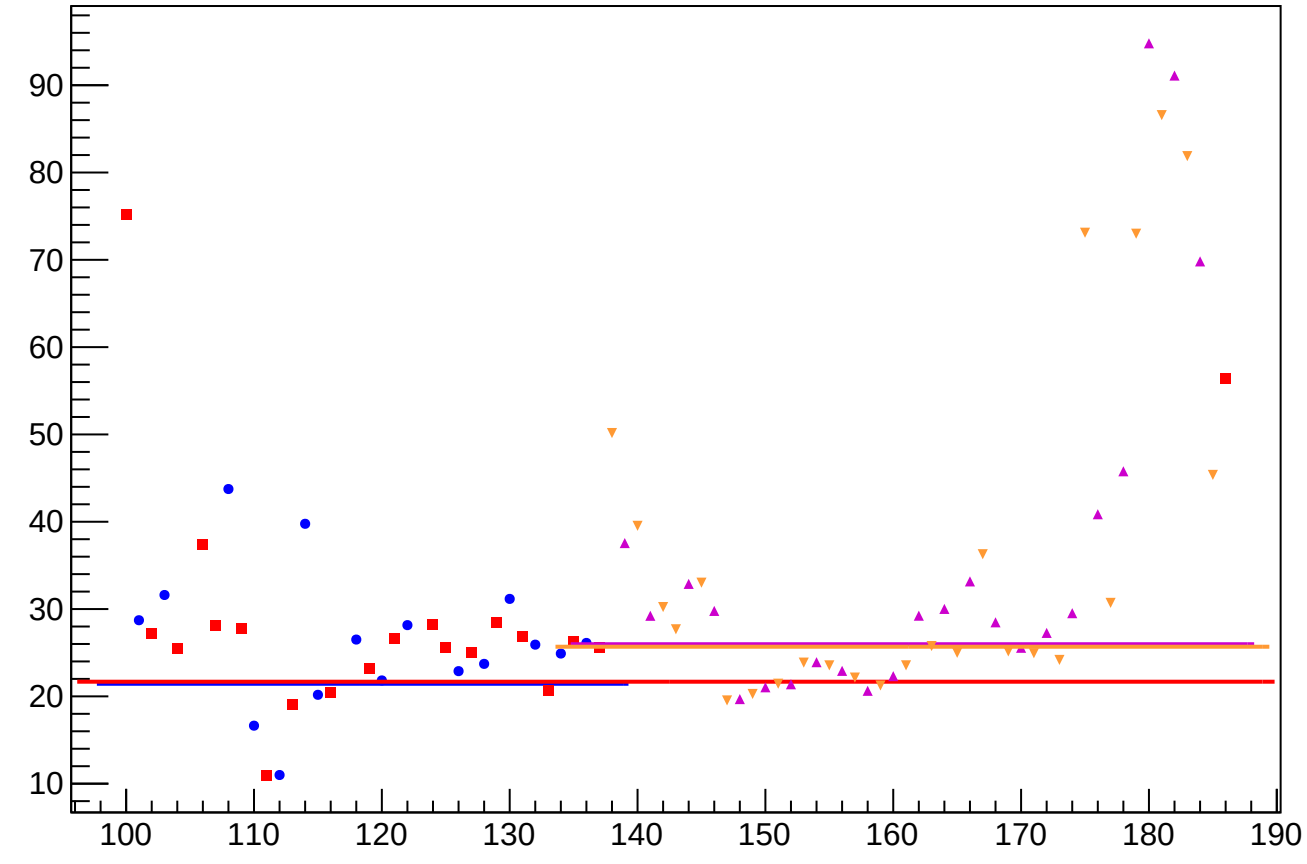
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 46.9/35

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 101.2/83



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

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

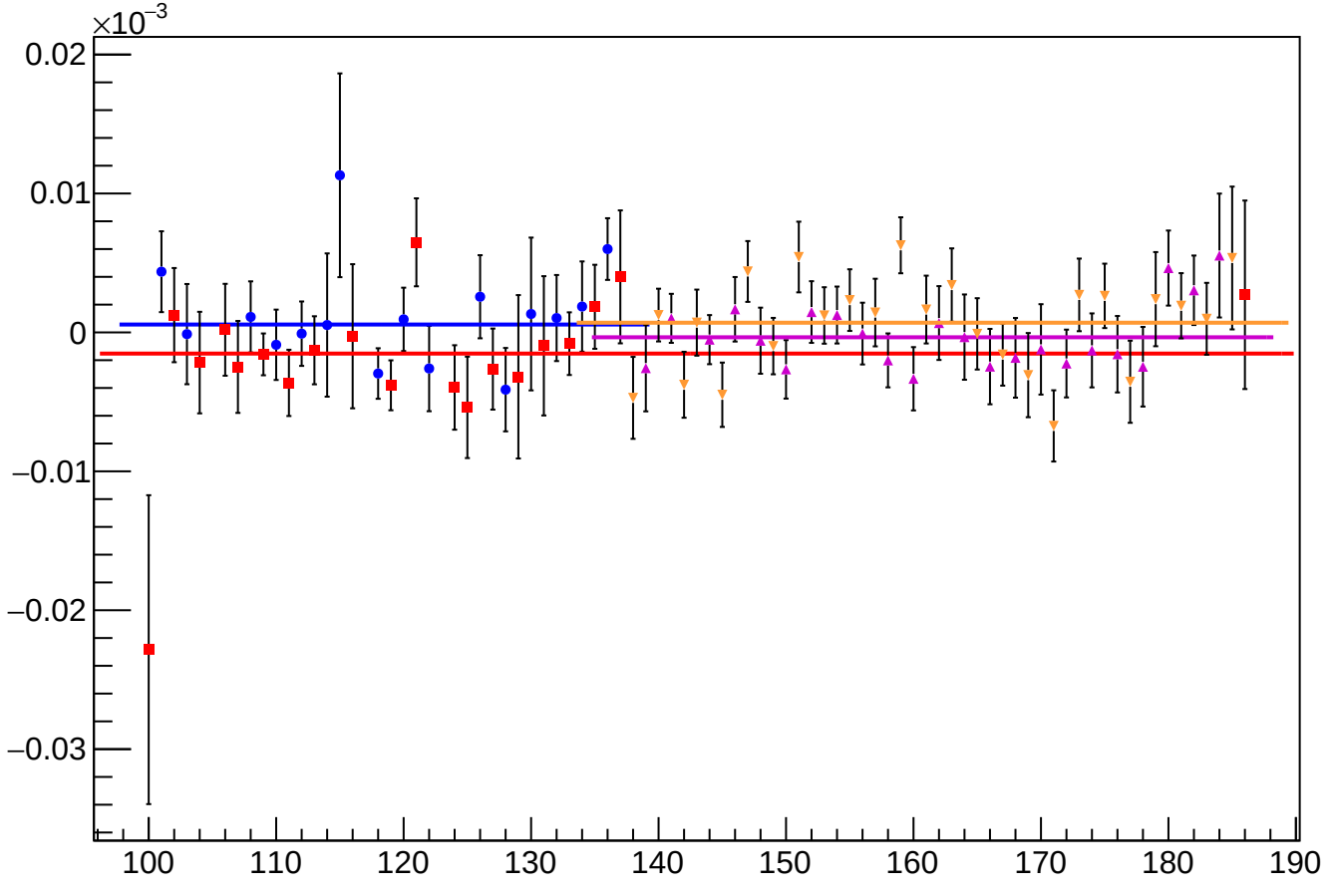
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 21.564+/-0.004 χ^2/NDF: 3132609.4/35

In: 24.306+/-0.004 χ^2/NDF:5002662.3/38

Out: 24.231+/-0.004 χ^2/NDF:5747677.8/44

All: 24.267+/-0.003 χ^2/NDF: 10750551.0/83



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

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

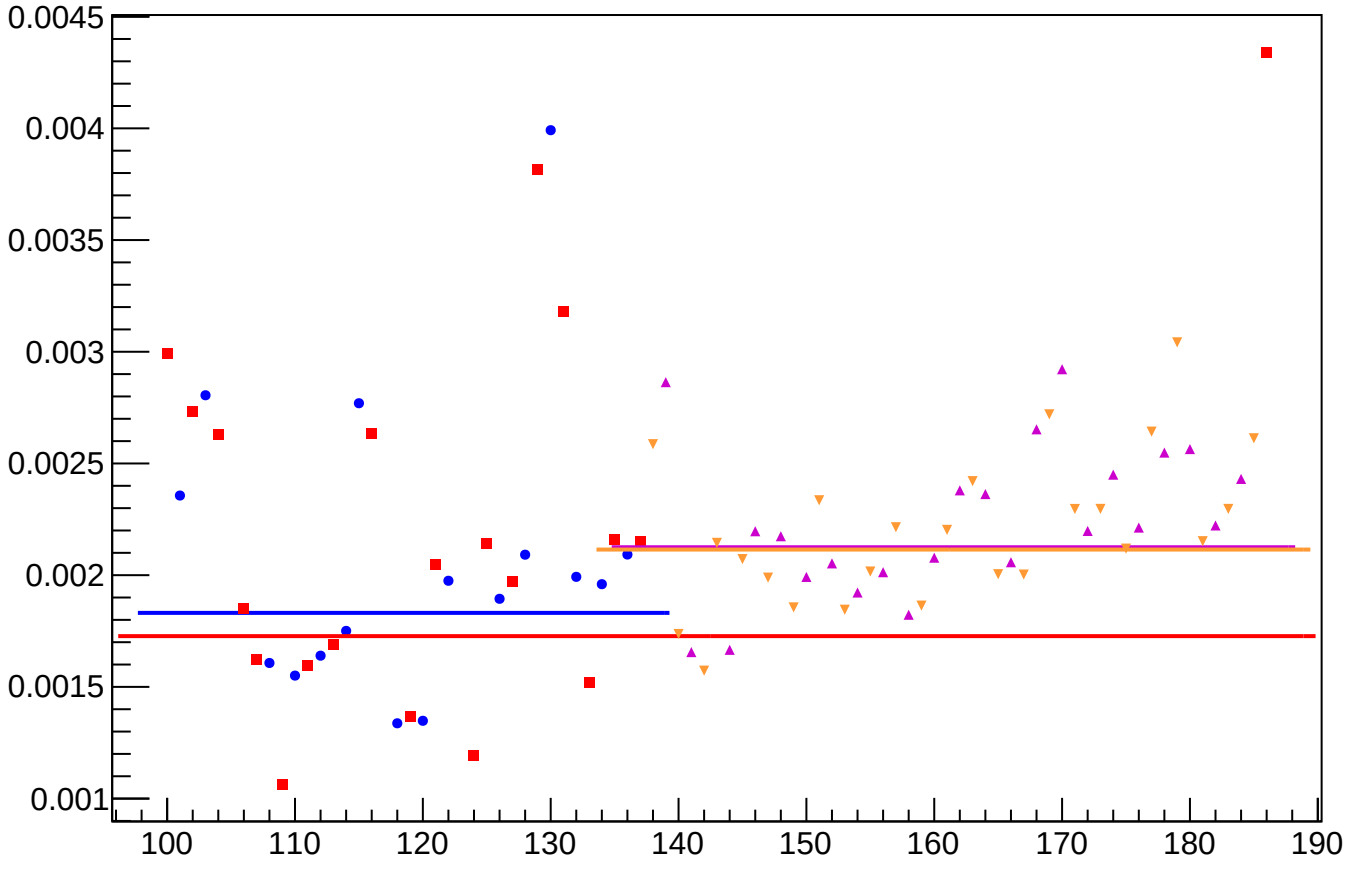
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.6/35

In: -0.000+/-0.000 χ^2/NDF:35.7/38

Out: -0.000+/-0.000 χ^2/NDF:70.4/44

All: -0.000+/-0.000 χ^2/NDF: 106.1/83



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

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

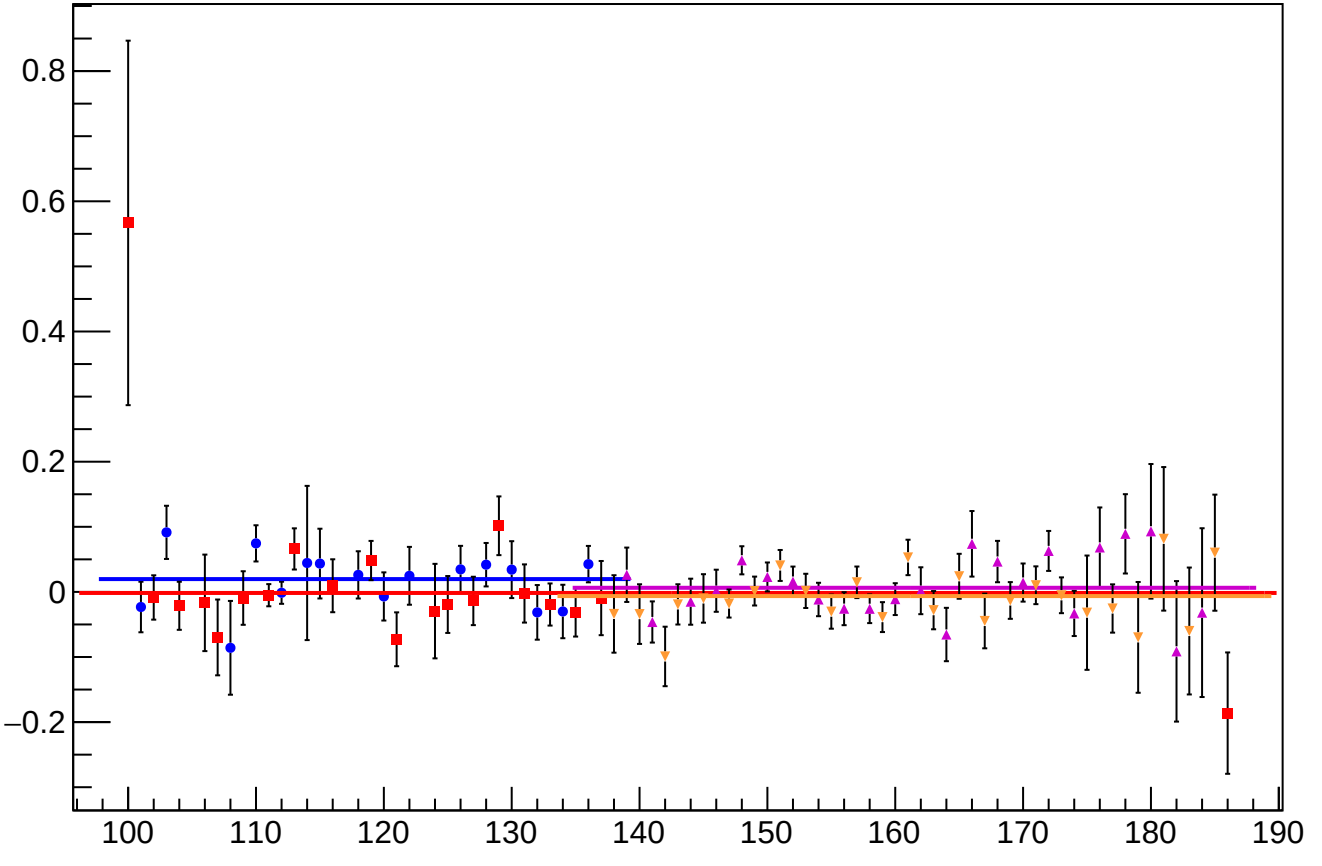
Right: 0.002+/-0.000 χ^2/NDF: 2700855.9/35

In: 0.002+/-0.000 χ^2/NDF:1967499.2/38

Out: 0.002+/-0.000 χ^2/NDF:2971112.0/44

All: 0.002+/-0.000 χ^2/NDF: 4953497.5/83

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 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

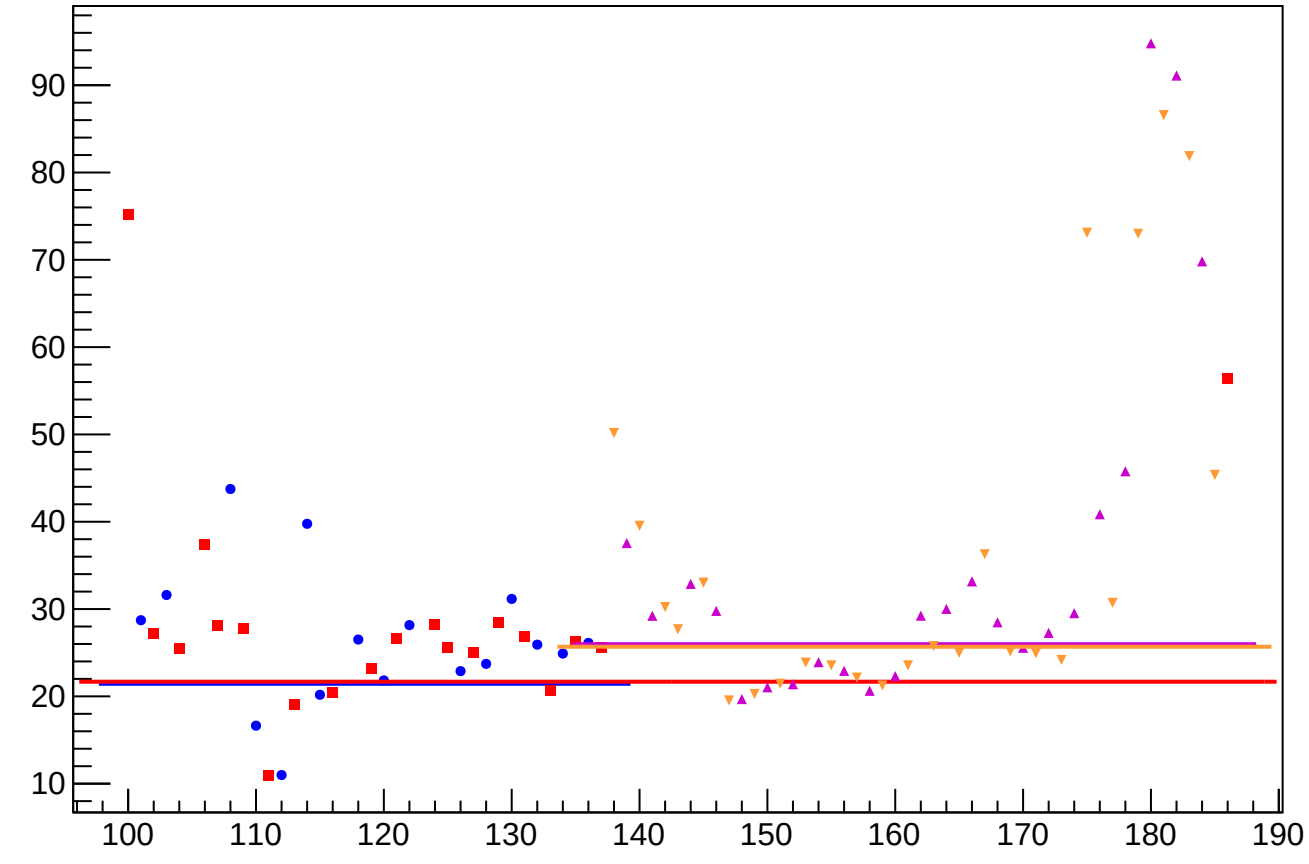
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 46.9/35

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 101.2/83



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

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

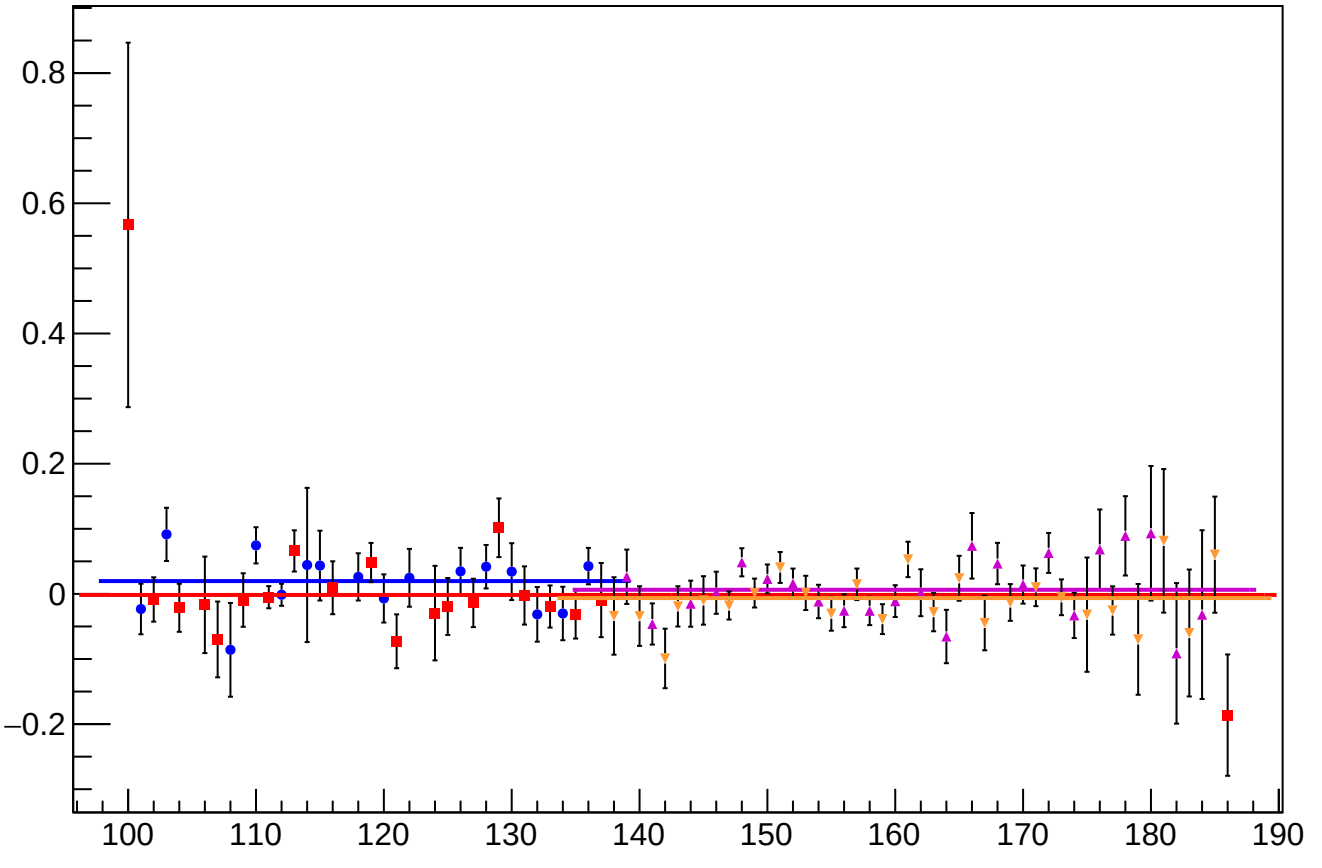
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.563+/-0.004 χ^2/NDF: 3132889.6/35

In: 24.306+/-0.004 χ^2/NDF:5002920.8/38

Out: 24.230+/-0.004 χ^2/NDF:5747931.8/44

All: 24.267+/-0.003 χ^2/NDF: 10751063.5/83



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

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

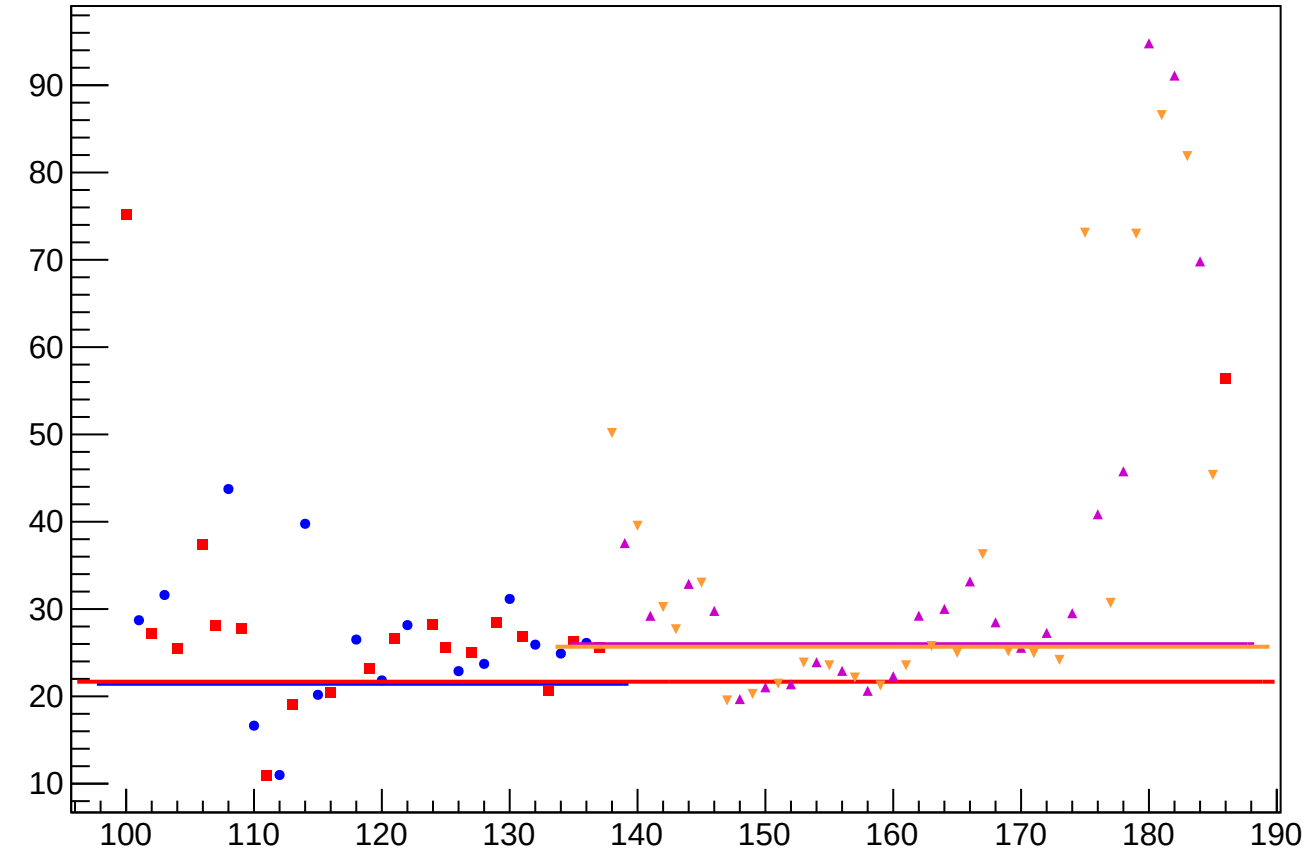
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 46.9/35

In: 0.011+/-0.005 χ^2/NDF:46.9/38

Out: -0.005+/-0.005 χ^2/NDF:49.6/44

All: 0.003+/-0.004 χ^2/NDF: 101.2/83



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

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

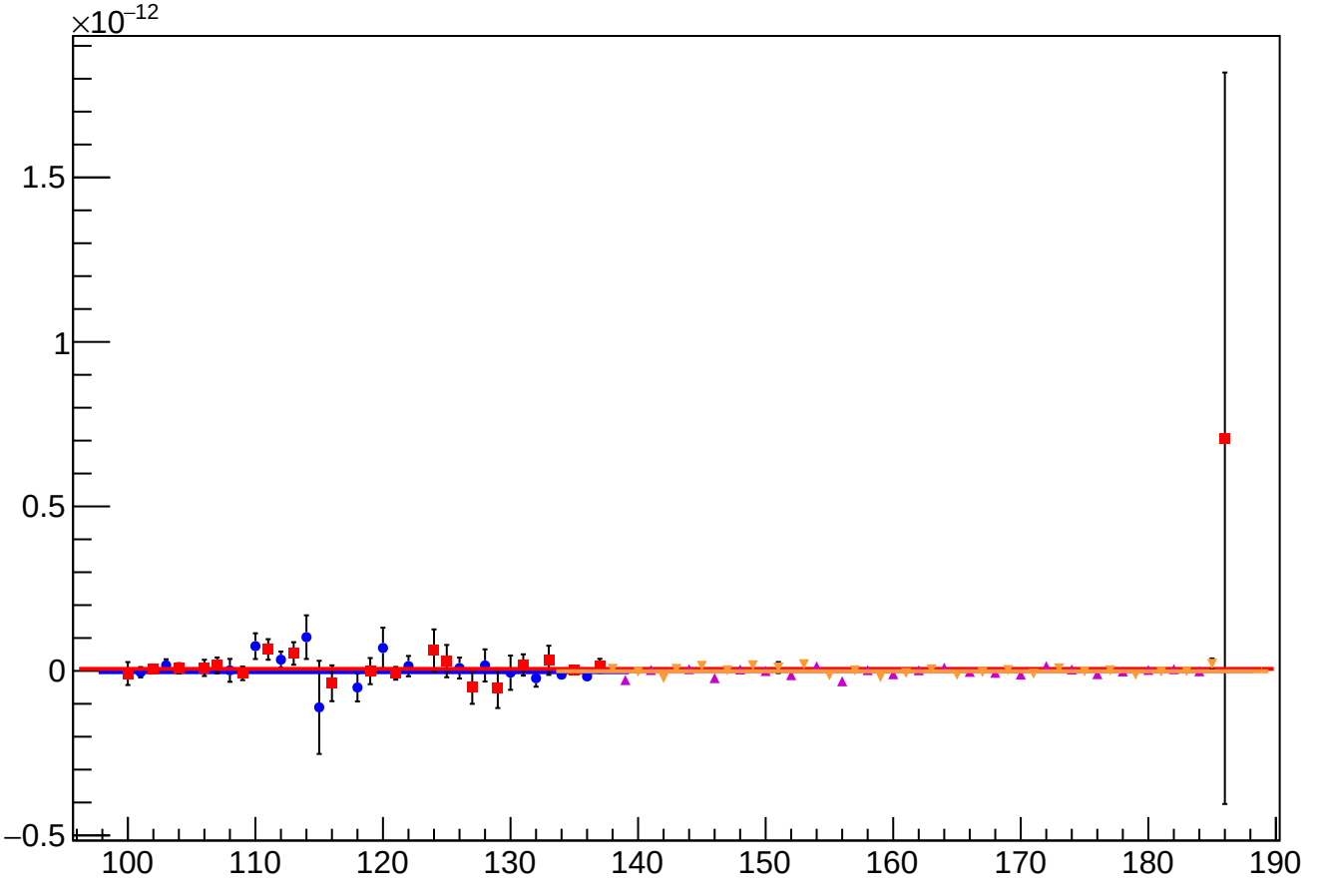
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.563+/-0.004 χ^2/NDF: 3132889.6/35

In: 24.306+/-0.004 χ^2/NDF:5002920.8/38

Out: 24.230+/-0.004 χ^2/NDF:5747931.8/44

All: 24.267+/-0.003 χ^2/NDF: 10751063.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

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

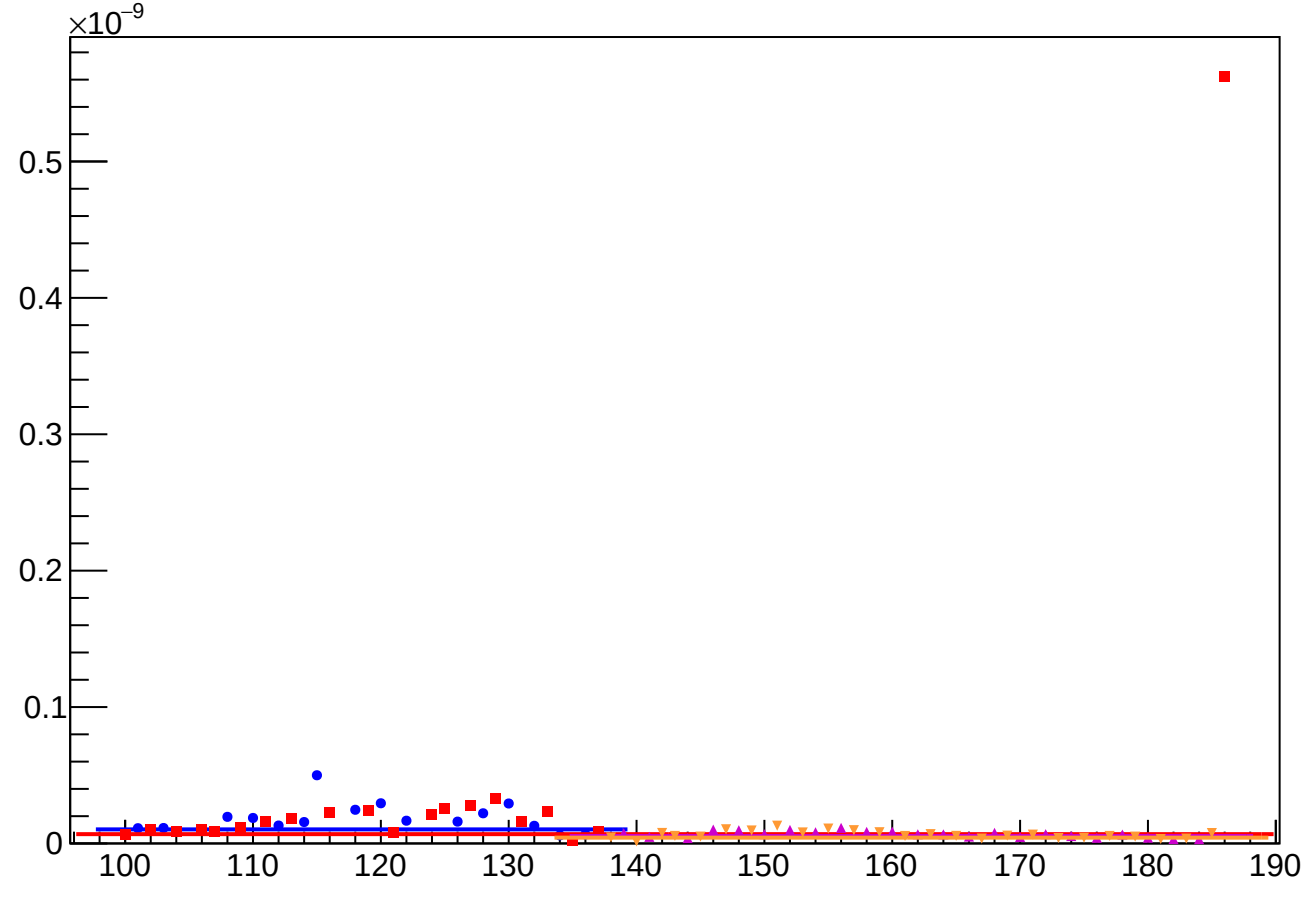
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 30.9/35

In: -0.000+/-0.000 χ^2/NDF:47.2/38

Out: -0.000+/-0.000 χ^2/NDF:42.9/44

All: -0.000+/-0.000 χ^2/NDF: 90.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1951308.5/15

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

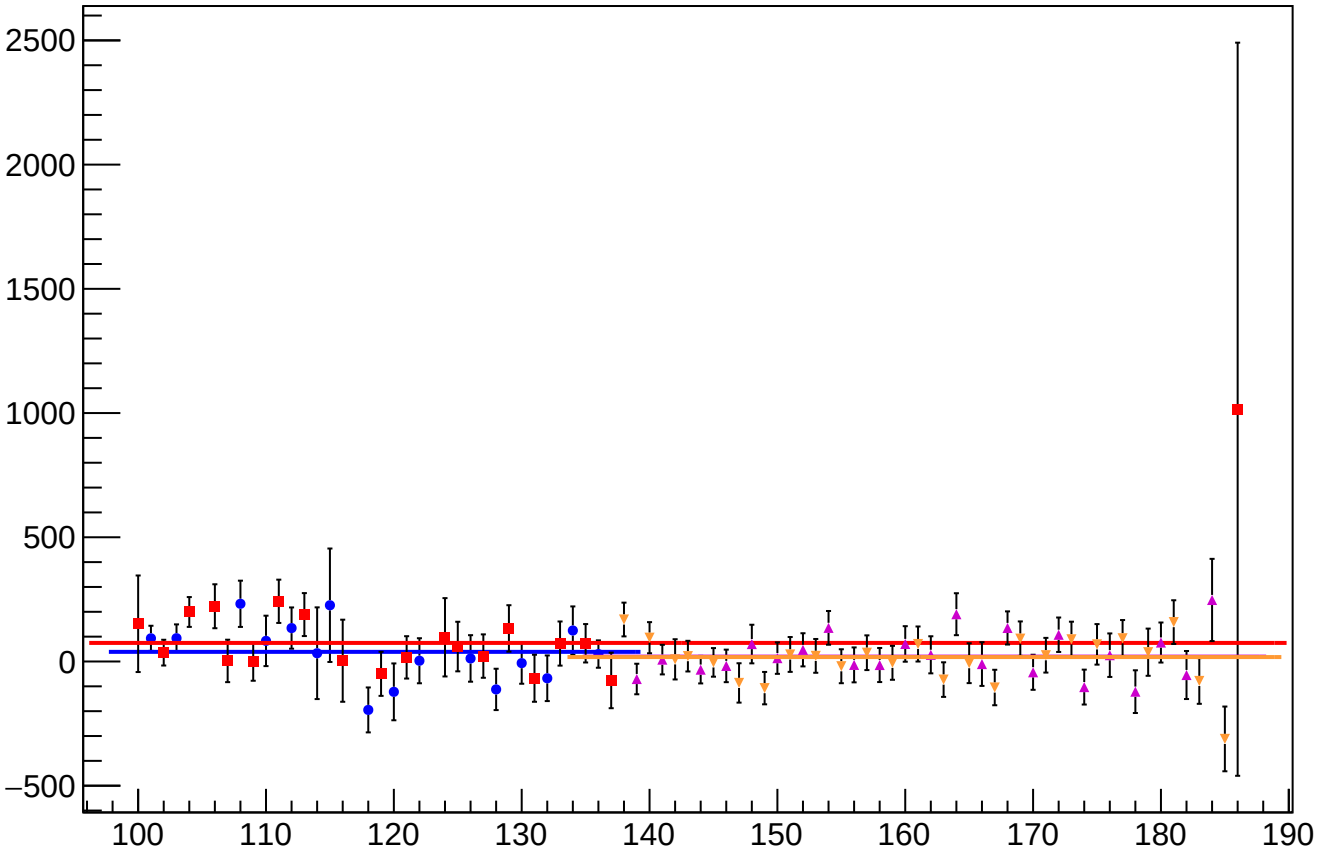
Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6970601.0/35

In: 0.000+/-0.000 χ^2/NDF:6195337.0/38

Out: 0.000+/-0.000 χ^2/NDF:10557673.0/44

All: 0.000+/-0.000 χ^2/NDF: 17621347.9/83



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

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

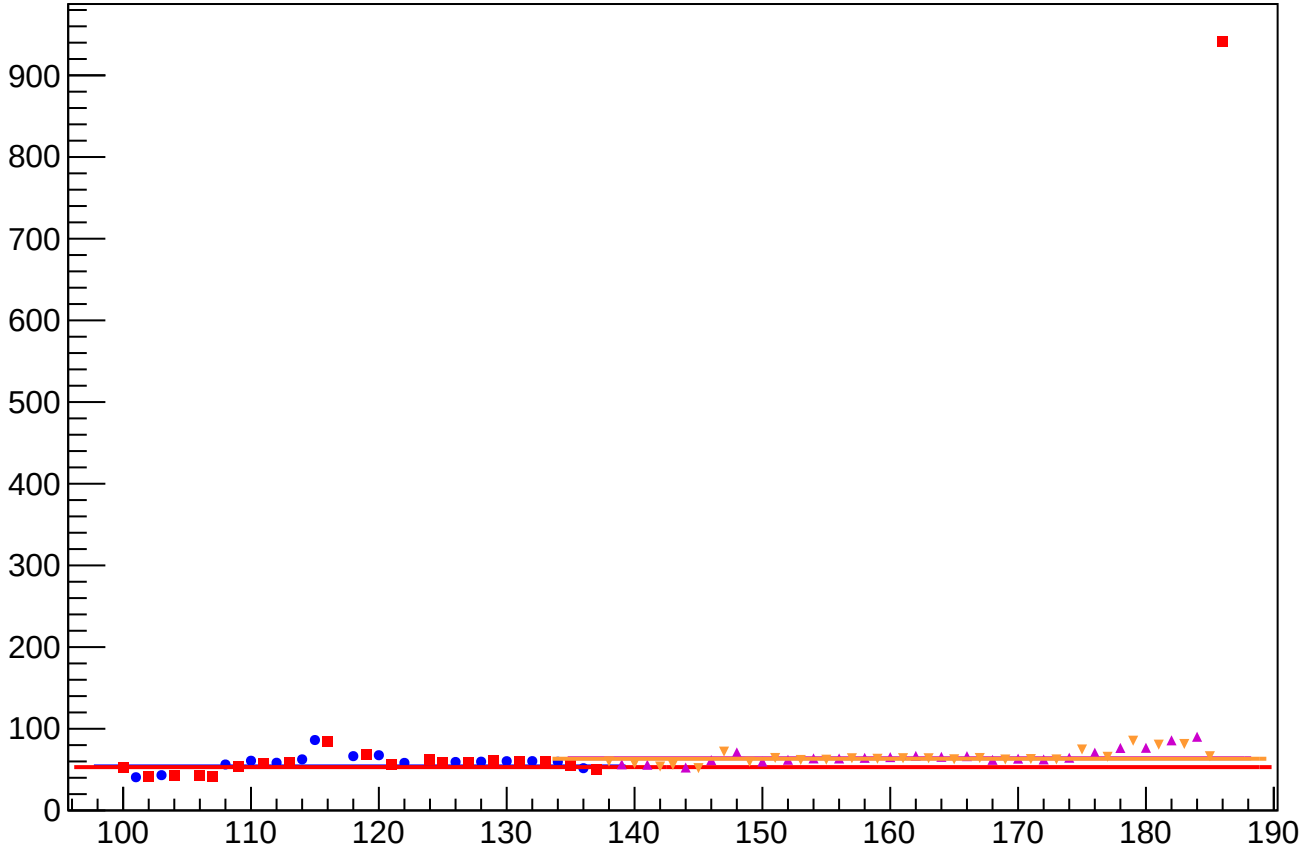
Right: 57.313+/-14.212 χ^2/NDF: 47.8/35

In: 26.377+/-12.108 χ^2/NDF:50.1/38

Out: 37.671+/-11.696 χ^2/NDF:59.8/44

All: 32.220+/-8.412 χ^2/NDF: 110.4/83

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

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

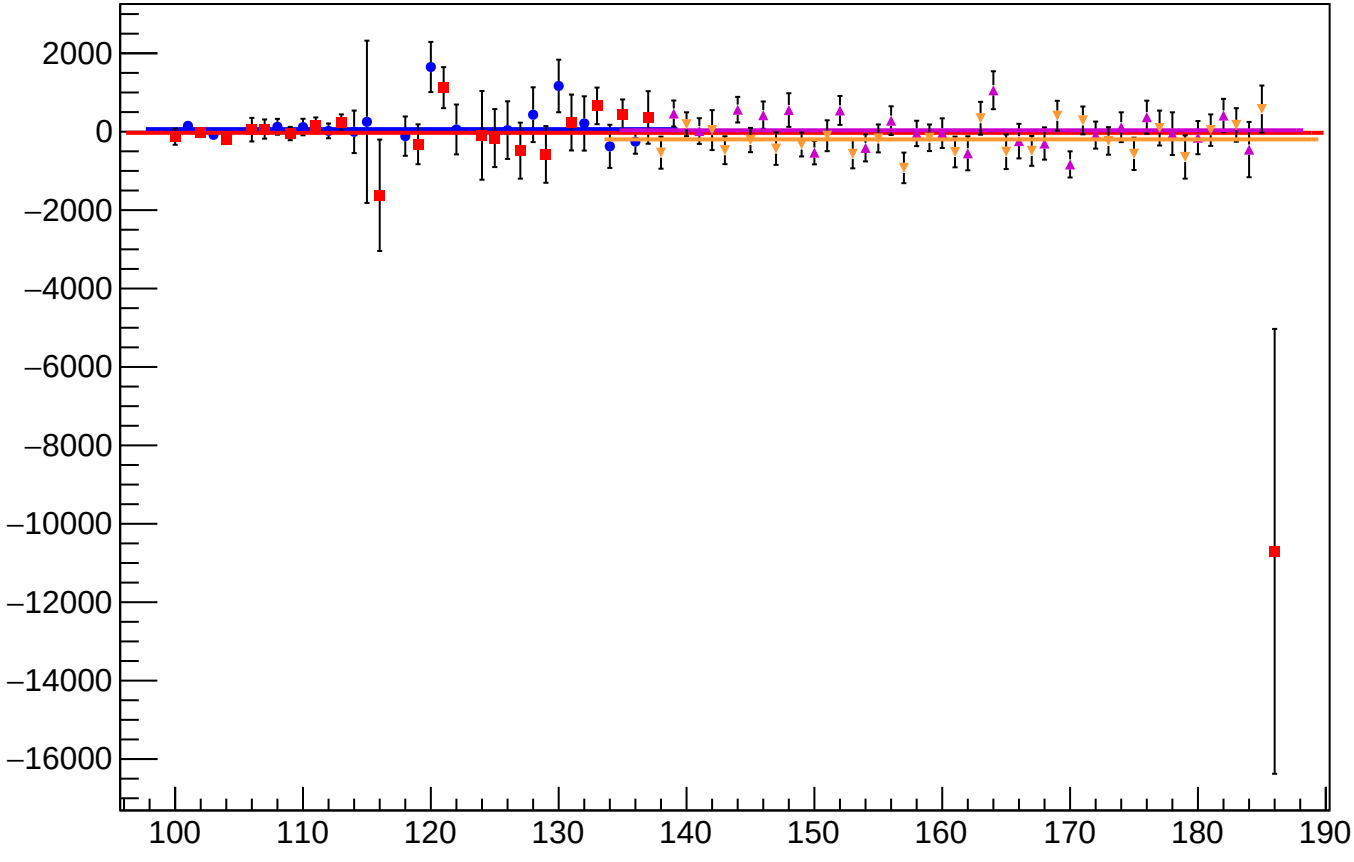
Right: 53.467+/-0.010 χ^2/NDF: 1545117.1/35

In: 60.398+/-0.009 χ^2/NDF:1150033.8/38

Out: 59.731+/-0.008 χ^2/NDF:1997323.4/44

All: 60.053+/-0.006 χ^2/NDF: 3150491.4/83

asym_sam_15_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

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

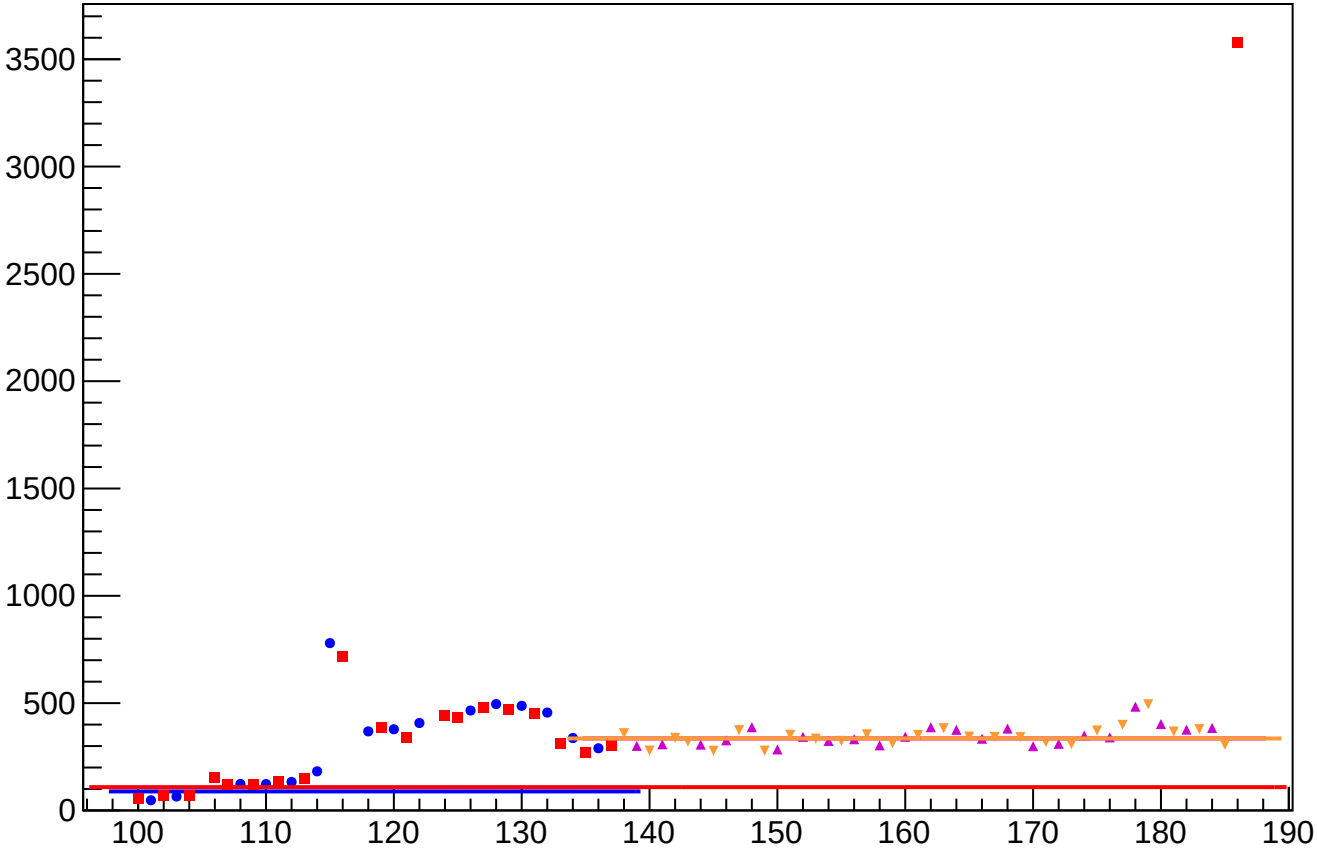
Right: 22.300+/-34.133 χ^2/NDF: 39.1/35

In: 58.314+/-40.087 χ^2/NDF:46.9/38

Out: -78.620+/-42.119 χ^2/NDF:45.4/44

All: -6.770+/-29.038 χ^2/NDF: 97.9/83

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 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

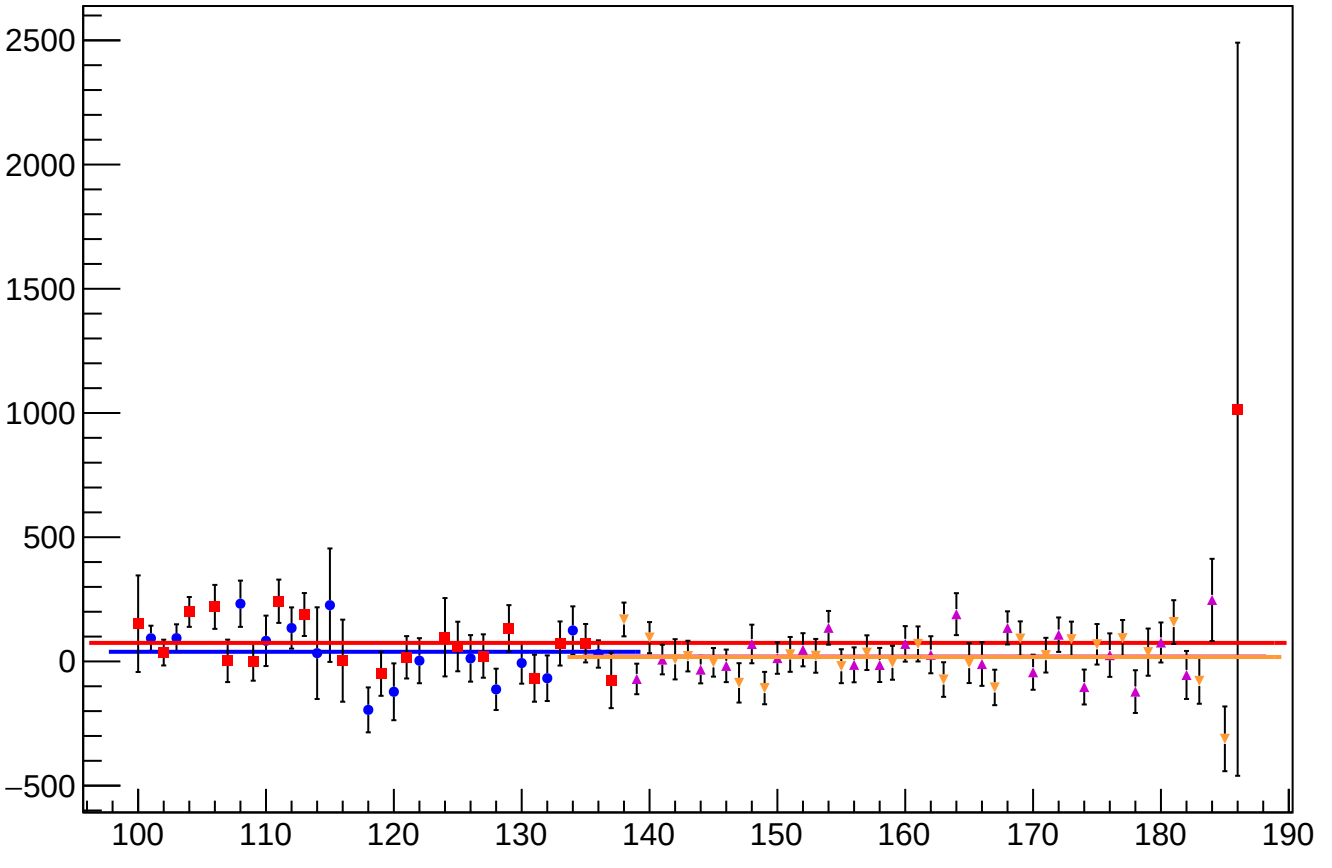
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 97.871+/-0.024 χ^2/NDF: 12928885.7/35

In: 151.886+/-0.028 χ^2/NDF:21594412.9/38

Out: 176.308+/-0.030 χ^2/NDF:18797733.1/44

All: 163.494+/-0.021 χ^2/NDF: 40744968.8/83



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

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

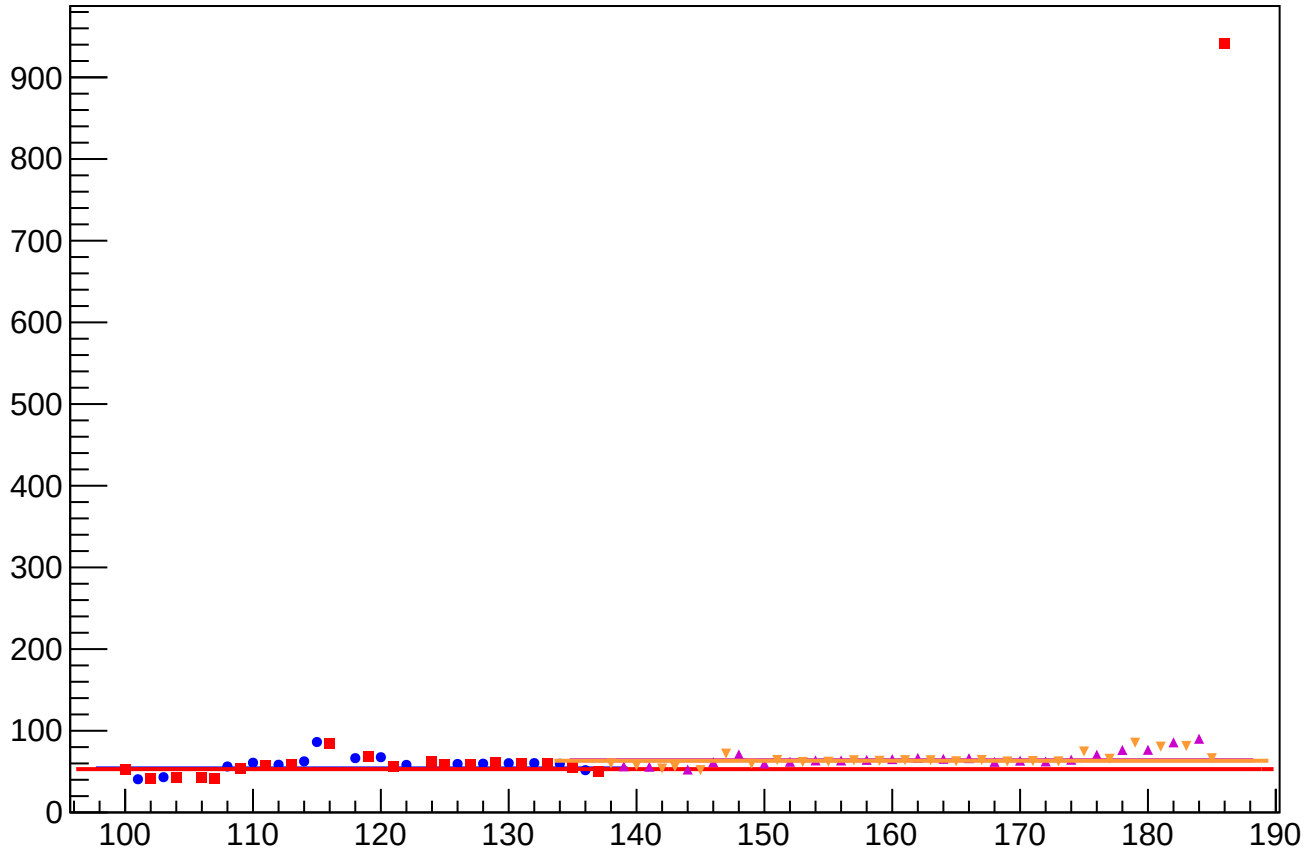
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 57.247+/-14.213 χ^2/NDF: 47.6/35

In: 26.380+/-12.108 χ^2/NDF:50.1/38

Out: 37.624+/-11.696 χ^2/NDF:59.7/44

All: 32.197+/-8.412 χ^2/NDF: 110.2/83



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

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

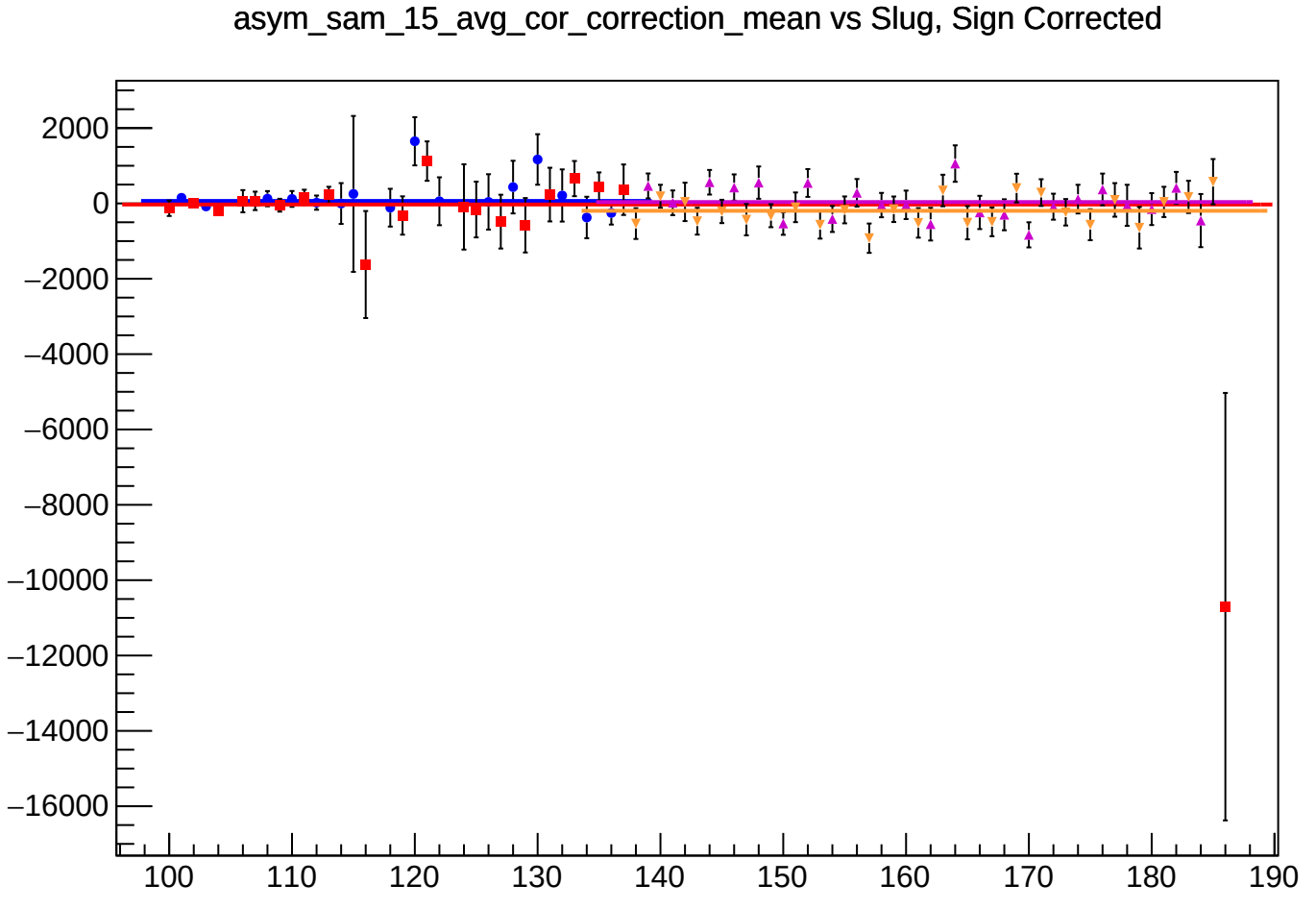
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 53.466+/-0.010 χ^2/NDF: 1545437.1/35

In: 60.398+/-0.009 χ^2/NDF:1150032.7/38

Out: 59.731+/-0.008 χ^2/NDF:1997754.0/44

All: 60.053+/-0.006 χ^2/NDF: 3150925.1/83



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

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

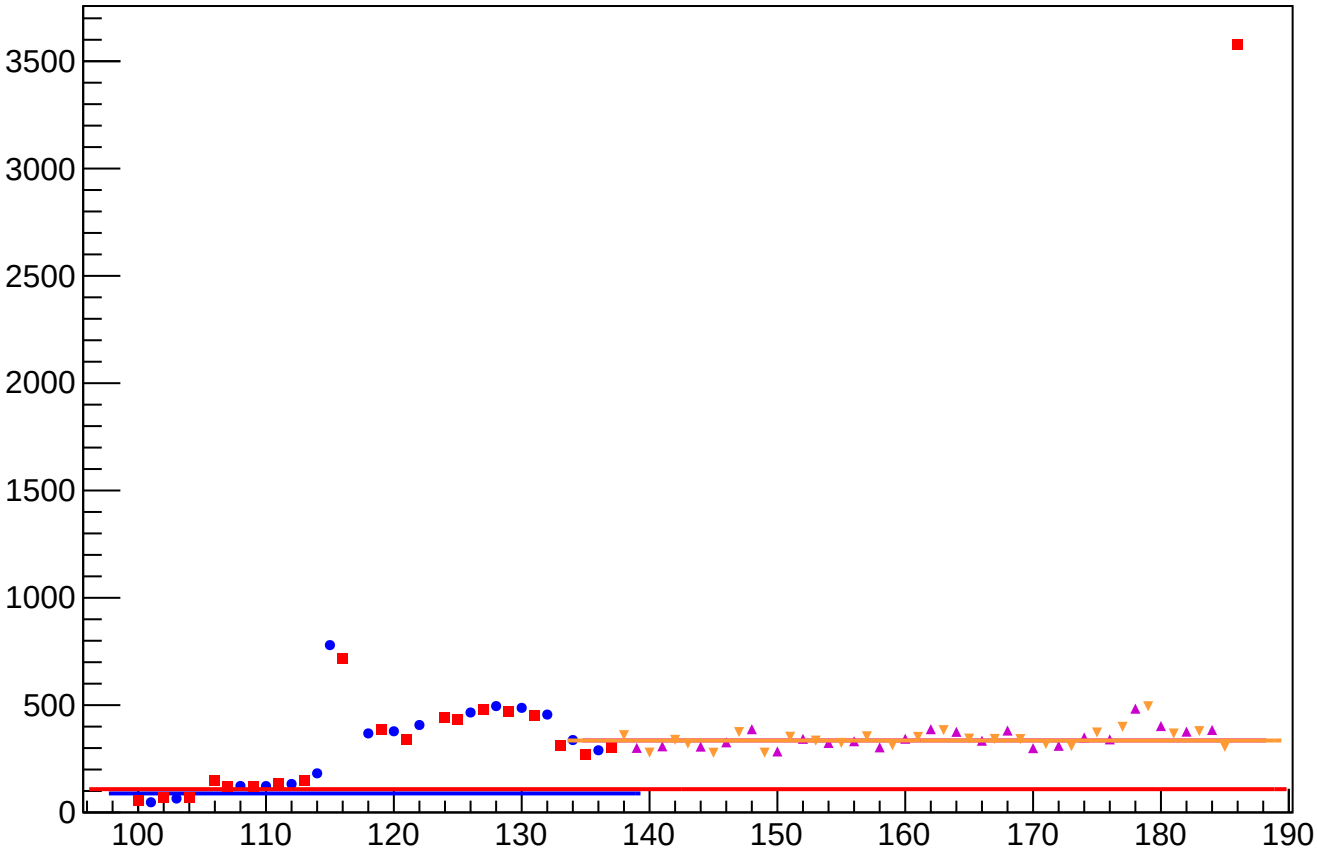
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 22.468+/-34.119 χ^2/NDF: 39.1/35

In: 58.316+/-40.086 χ^2/NDF:46.9/38

Out: -78.246+/-42.094 χ^2/NDF:45.5/44

All: -6.631+/-29.029 χ^2/NDF: 97.9/83



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

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

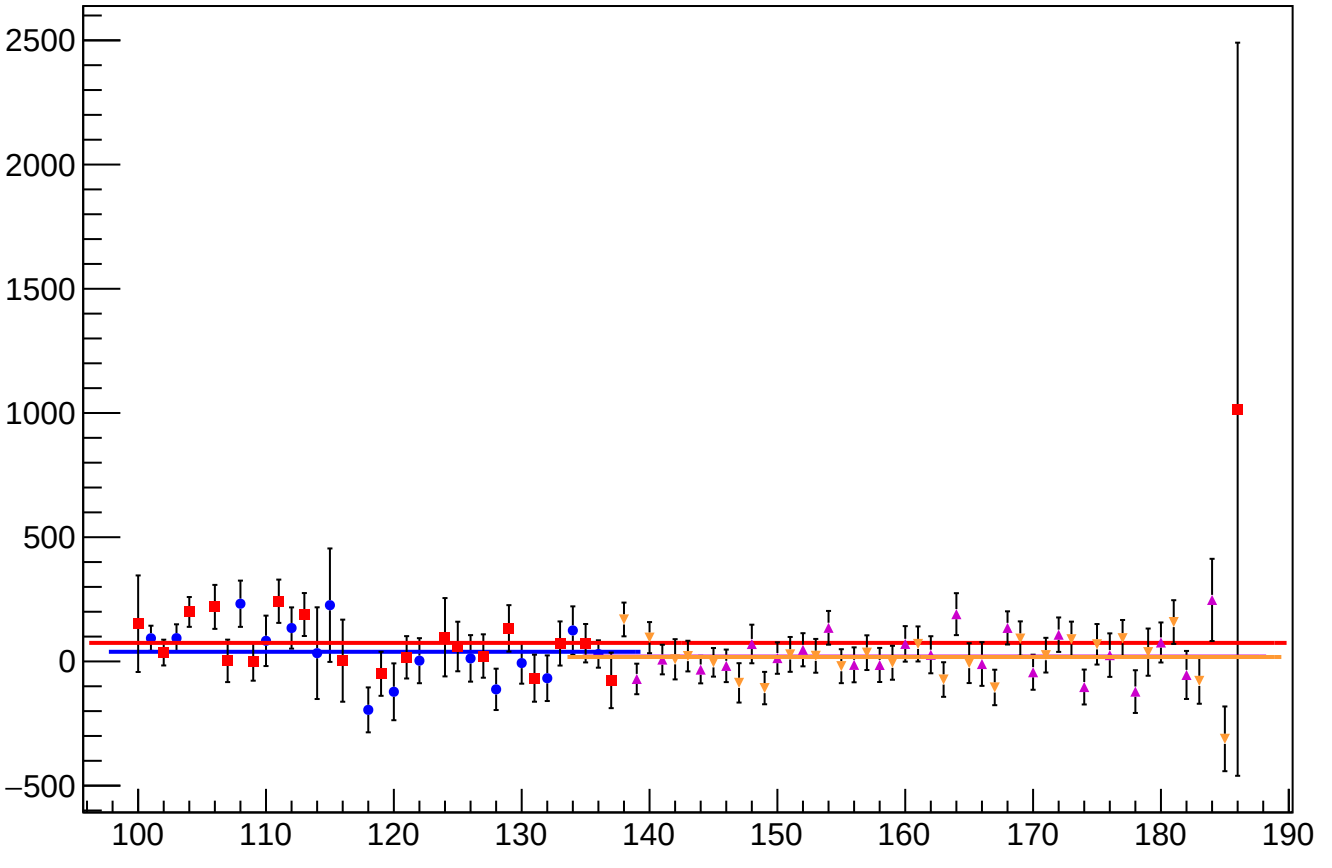
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

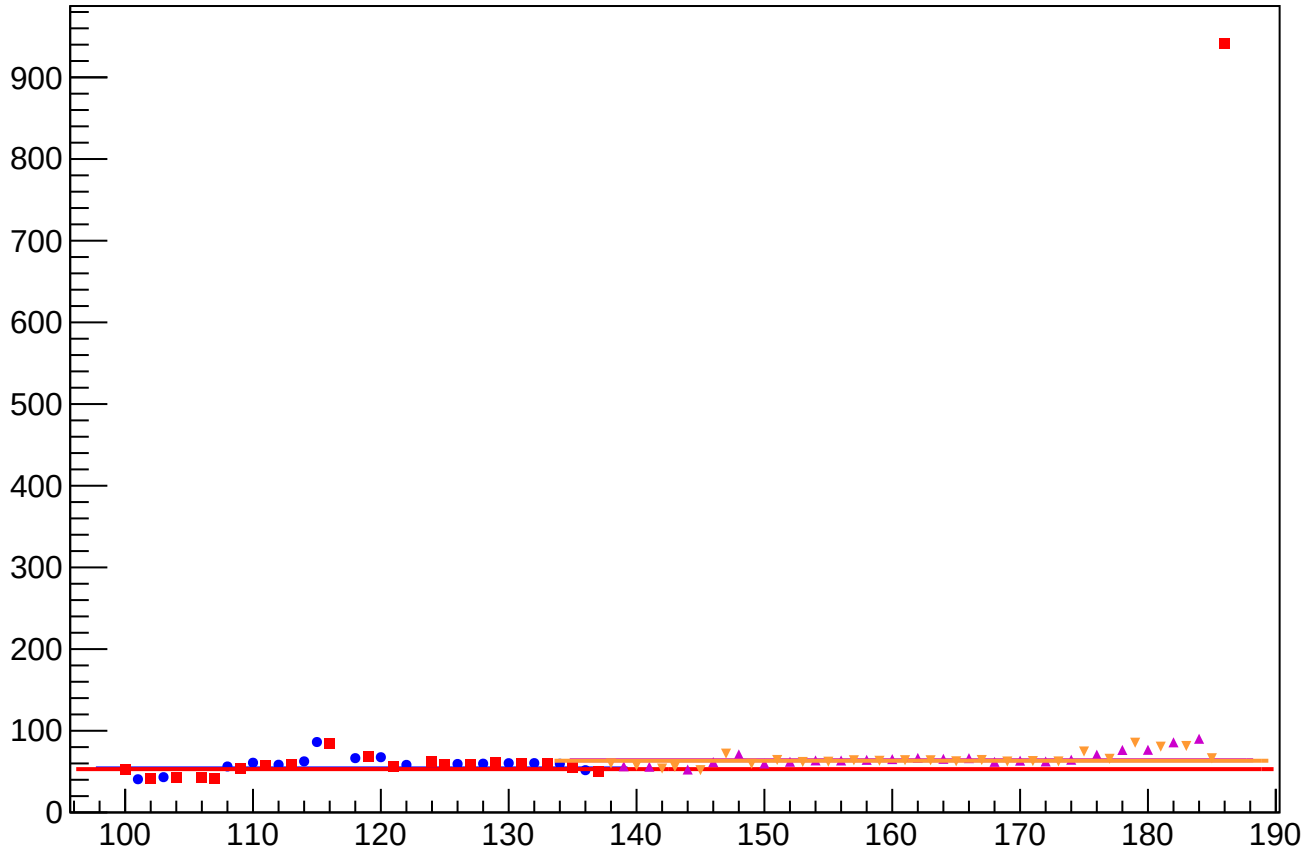
Right: 97.796+/-0.024 χ^2/NDF: 12918224.9/35

In: 151.882+/-0.028 χ^2/NDF:21594946.7/38

Out: 176.102+/-0.030 χ^2/NDF:18815165.8/44

All: 163.401+/-0.021 χ^2/NDF: 40757334.9/83


eigen_cor_asym_sam_15_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
190
Right In: 38.794+/-20.413 χ²/NDF: 23.3/15
Left Out: 17.804+/-14.495 χ²/NDF:31.6/24
Right Out: 74.612+/-19.801 χ²/NDF: 22.8/19
Left In: 19.642+/-15.040 χ²/NDF:26.2/22
Left: 18.689+/-10.437 χ²/NDF: 57.8/47
Right: 57.247+/-14.213 χ²/NDF: 47.6/35
In: 26.380+/-12.108 χ²/NDF:50.1/38
Out: 37.624+/-11.696 χ²/NDF:59.7/44
All: 32.197+/-8.412 χ²/NDF: 110.2/83



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

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

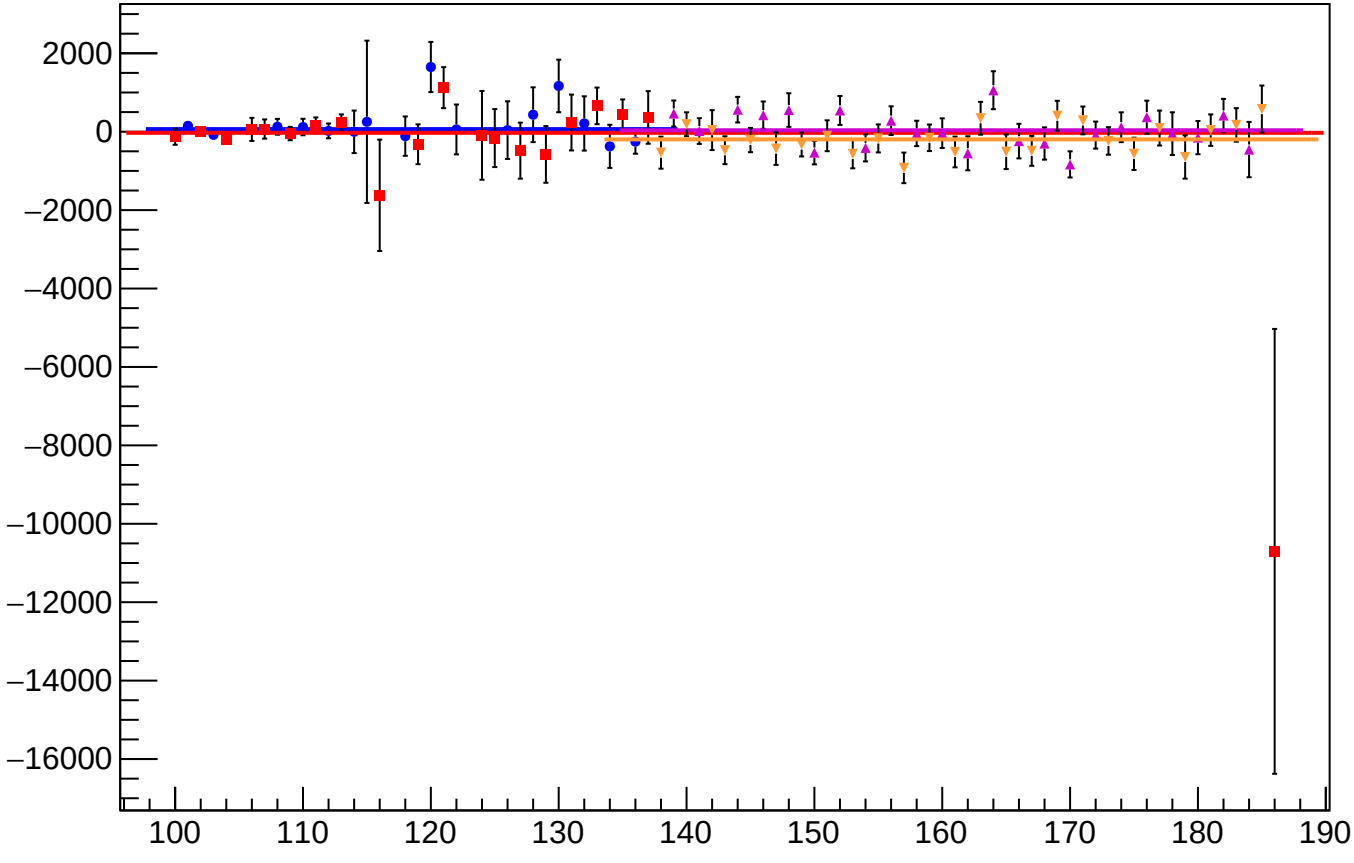
Right: 53.466+/-0.010 χ^2/NDF: 1545437.1/35

In: 60.398+/-0.009 χ^2/NDF:1150032.7/38

Out: 59.731+/-0.008 χ^2/NDF:1997754.0/44

All: 60.053+/-0.006 χ^2/NDF: 3150925.1/83

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -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

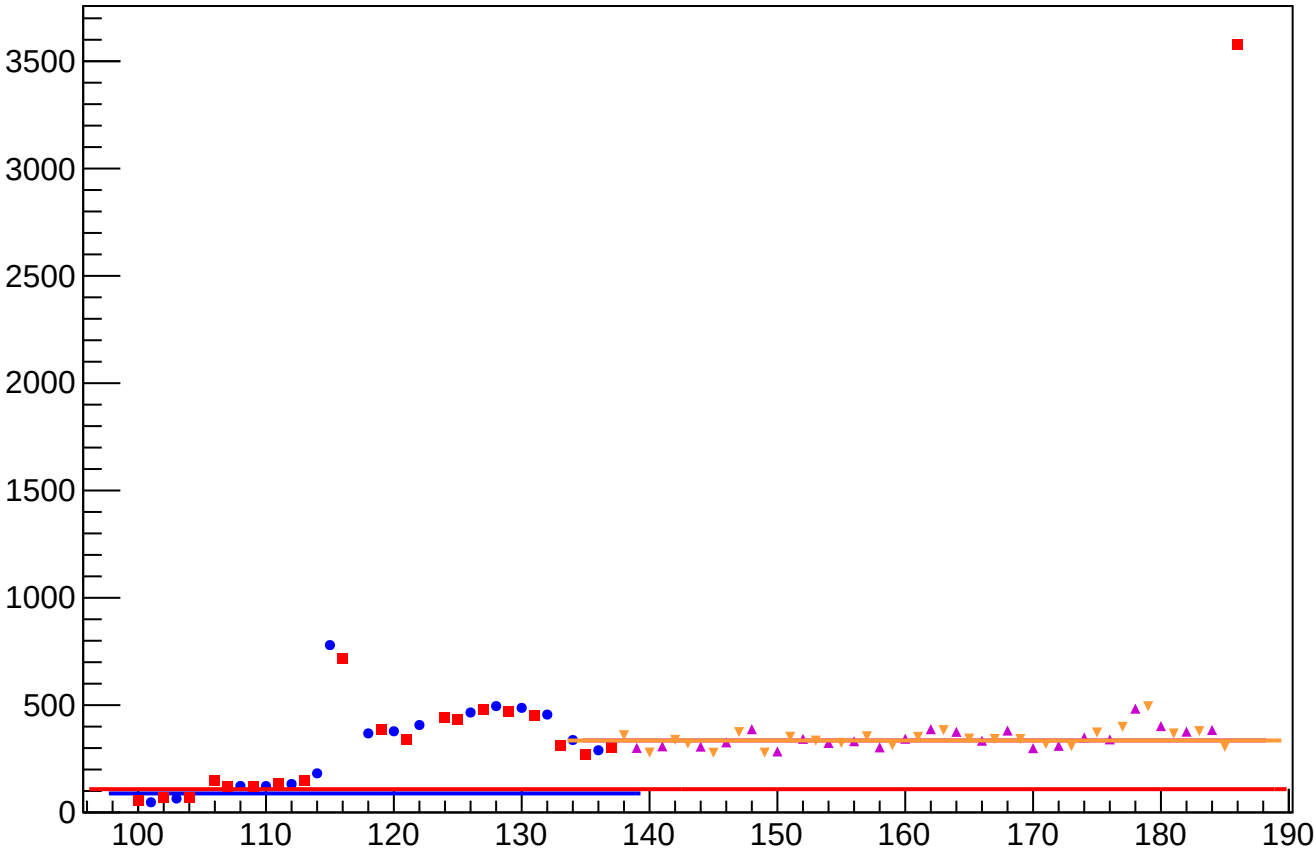
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 22.468+/-34.119 χ^2/NDF: 39.1/35

In: 58.316+/-40.086 χ^2/NDF:46.9/38

Out: -78.246+/-42.094 χ^2/NDF:45.5/44

All: -6.631+/-29.029 χ^2/NDF: 97.9/83



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

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

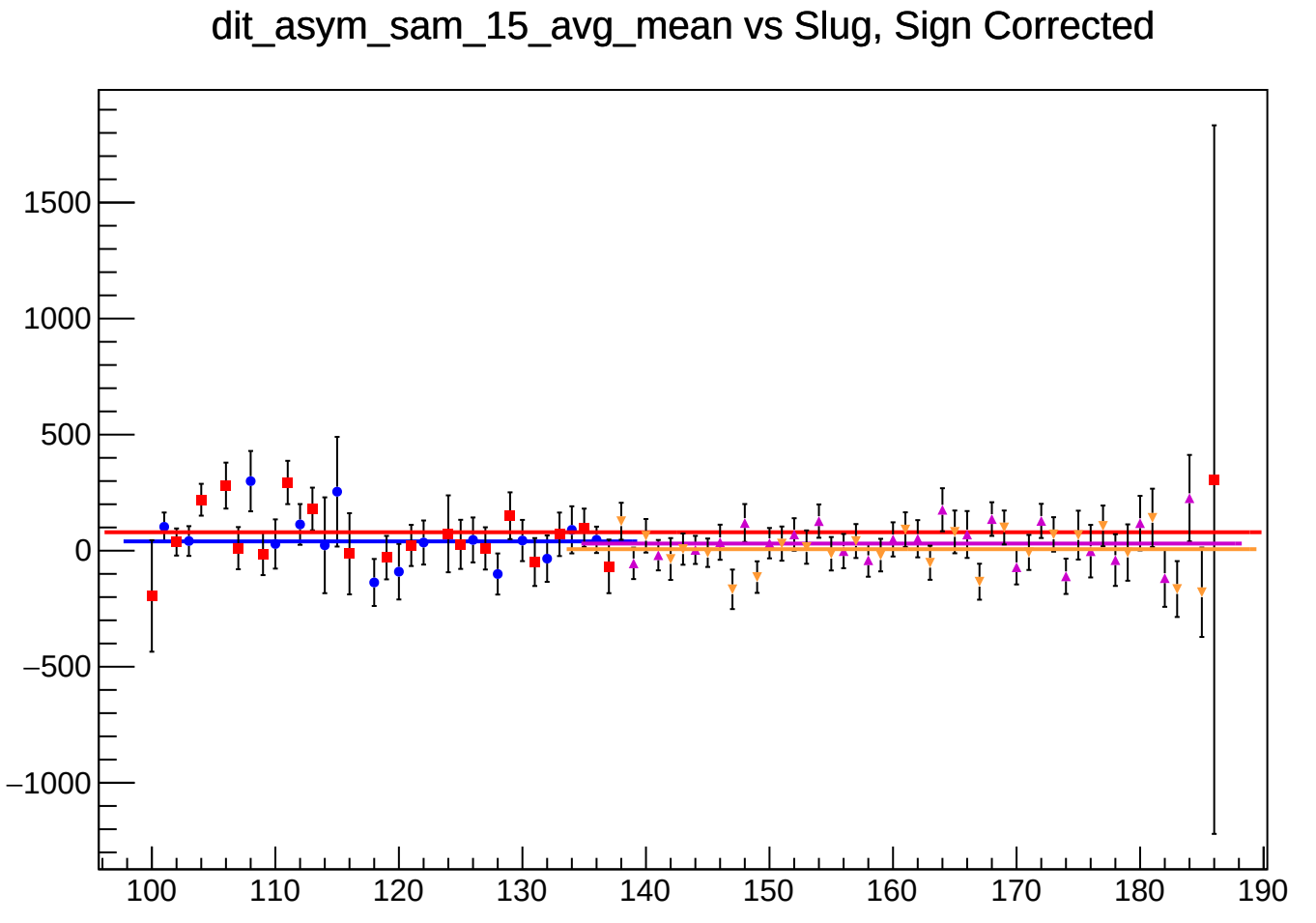
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

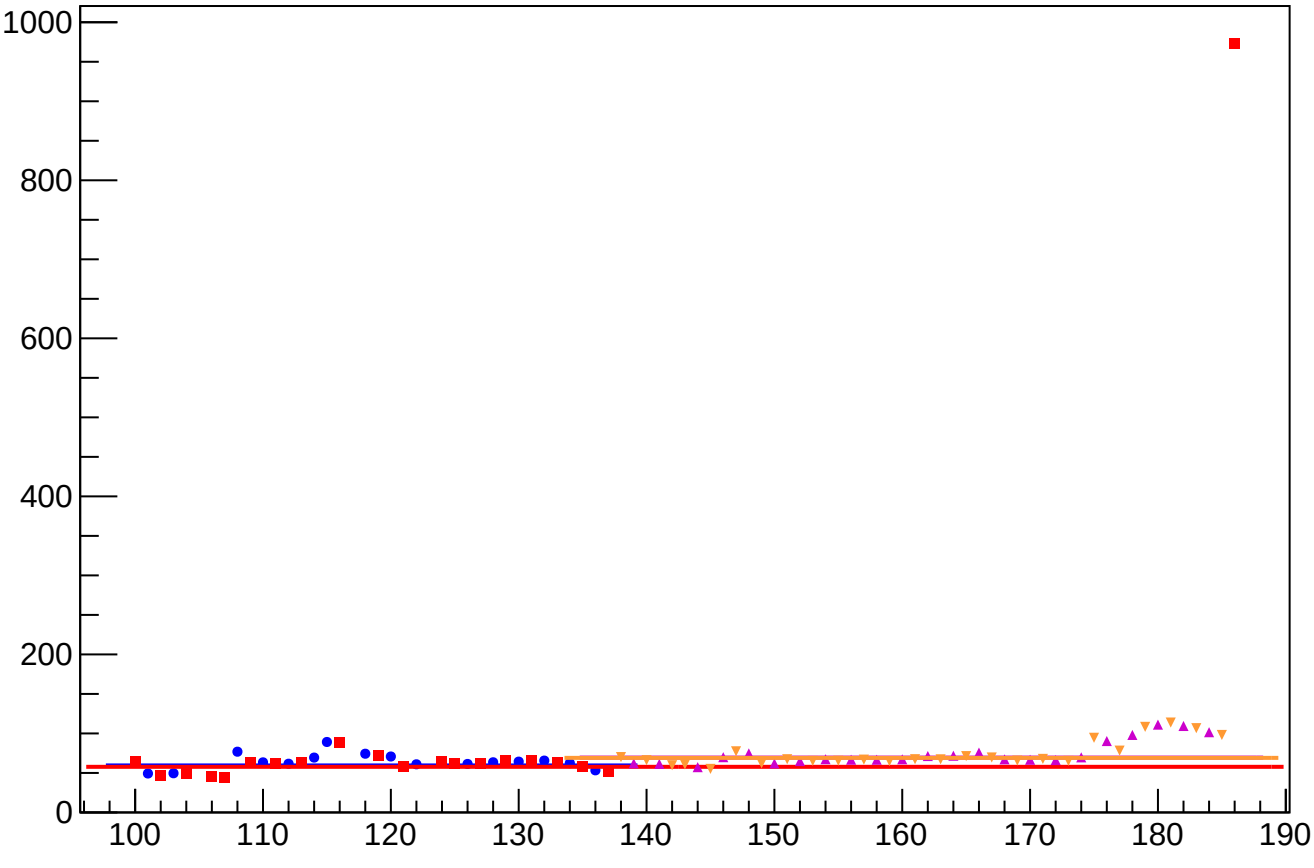
Right: 97.796+/-0.024 χ^2/NDF: 12918224.9/35

In: 151.882+/-0.028 χ^2/NDF:21594946.7/38

Out: 176.102+/-0.030 χ^2/NDF:18815165.8/44

All: 163.401+/-0.021 χ^2/NDF: 40757334.9/83


dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 40.030+/-22.515 χ²/NDF: 14.1/15
Left Out: 6.469+/-15.977 χ²/NDF:25.1/24
Right Out: 79.424+/-21.575 χ²/NDF: 24.8/19
Left In: 30.662+/-16.503 χ²/NDF:22.5/22
Left: 18.174+/-11.479 χ²/NDF: 48.6/47
Right: 60.566+/-15.577 χ²/NDF: 40.6/35
In: 33.936+/-13.310 χ²/NDF:36.7/38
Out: 32.308+/-12.840 χ²/NDF:57.3/44
All: 33.093+/-9.241 χ²/NDF: 94.0/83



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

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

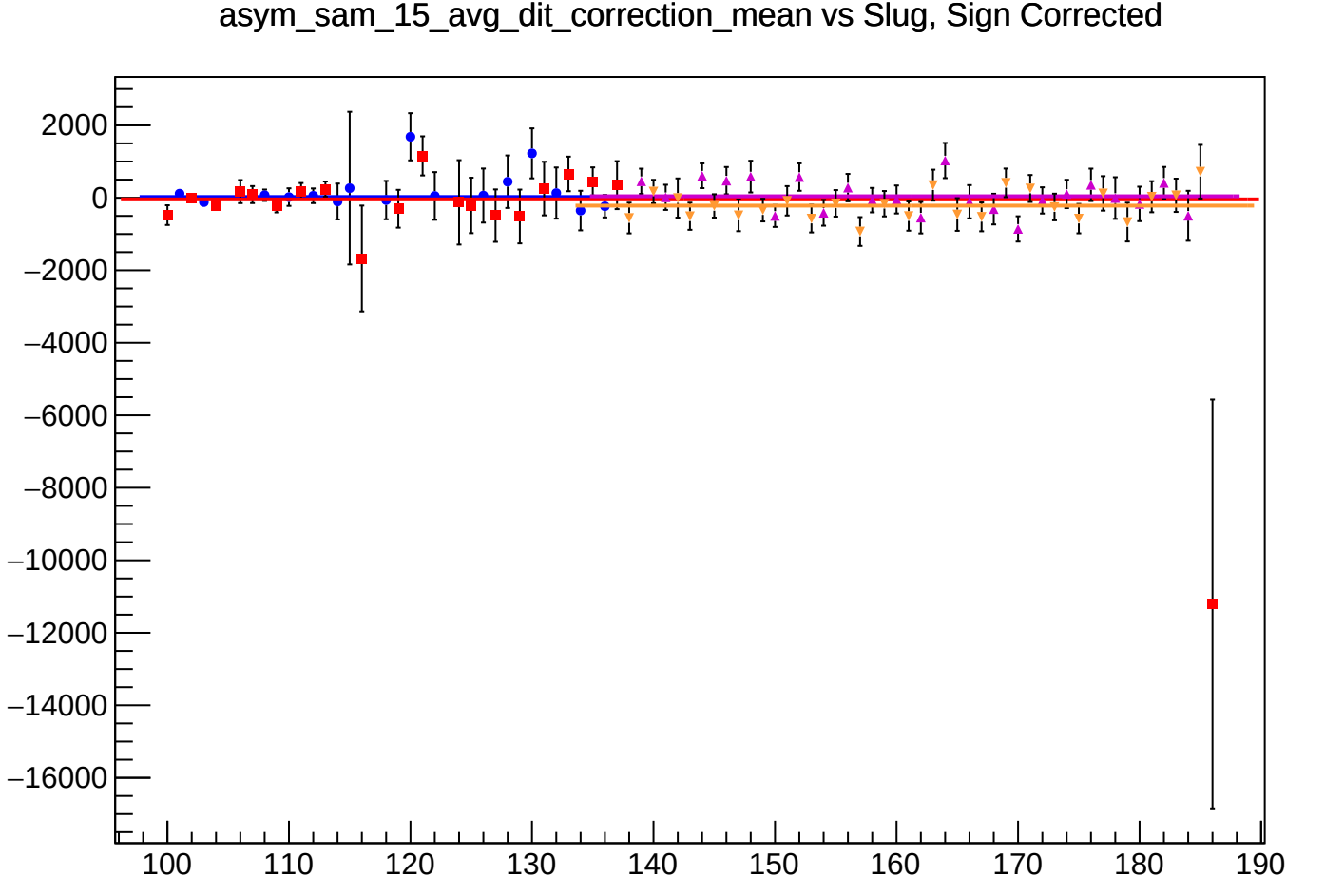
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 58.592+/-0.011 χ^2/NDF: 1356040.2/35

In: 65.967+/-0.009 χ^2/NDF:1460749.5/38

Out: 65.066+/-0.009 χ^2/NDF:2496619.3/44

All: 65.500+/-0.007 χ^2/NDF: 3962110.7/83



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

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

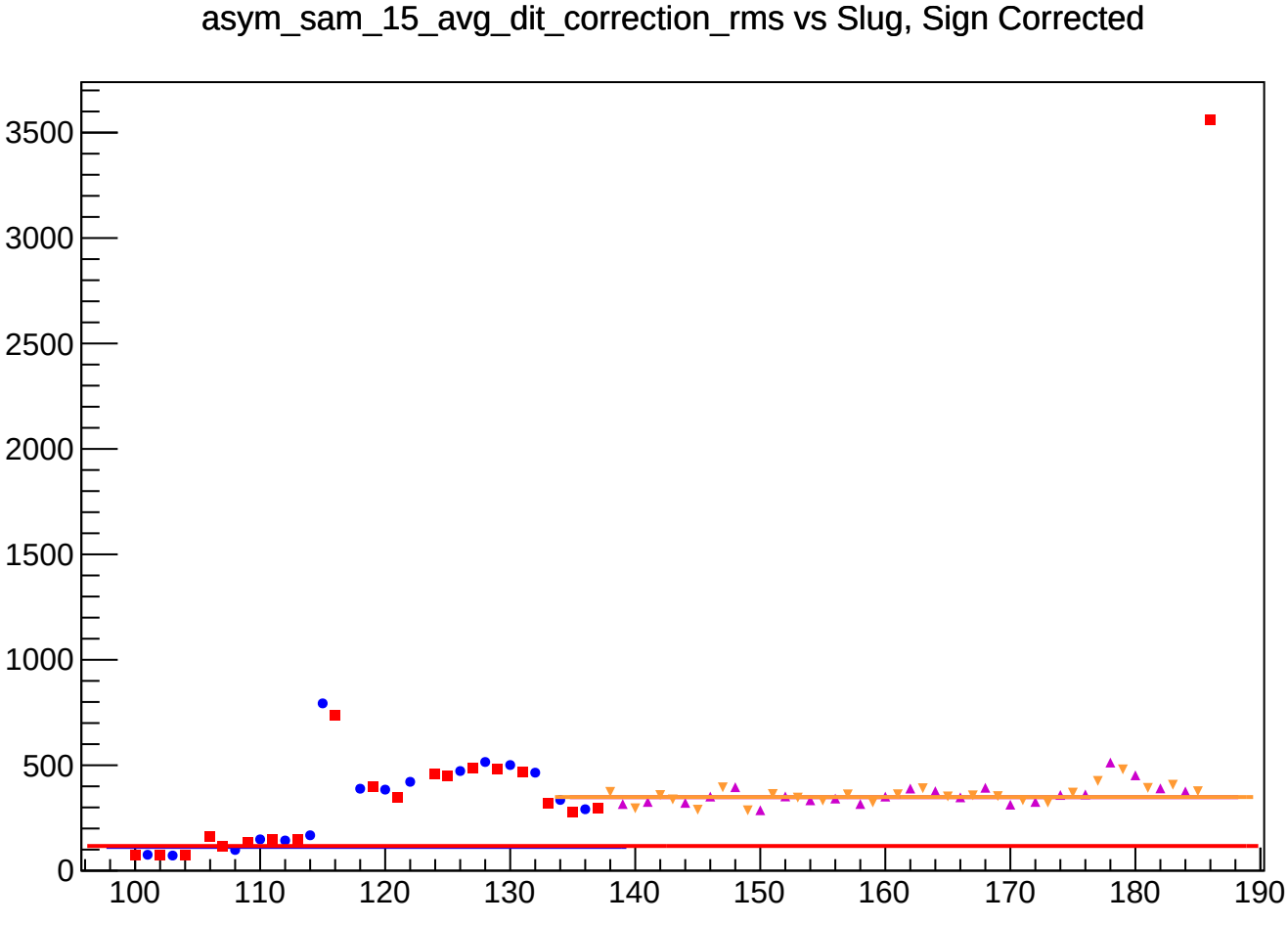
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -11.938+/-37.756 χ^2/NDF: 40.8/35

In: 26.999+/-44.899 χ^2/NDF:44.6/38

Out: -97.219+/-44.326 χ^2/NDF:48.0/44

All: -35.907+/-31.544 χ^2/NDF: 96.5/83



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

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

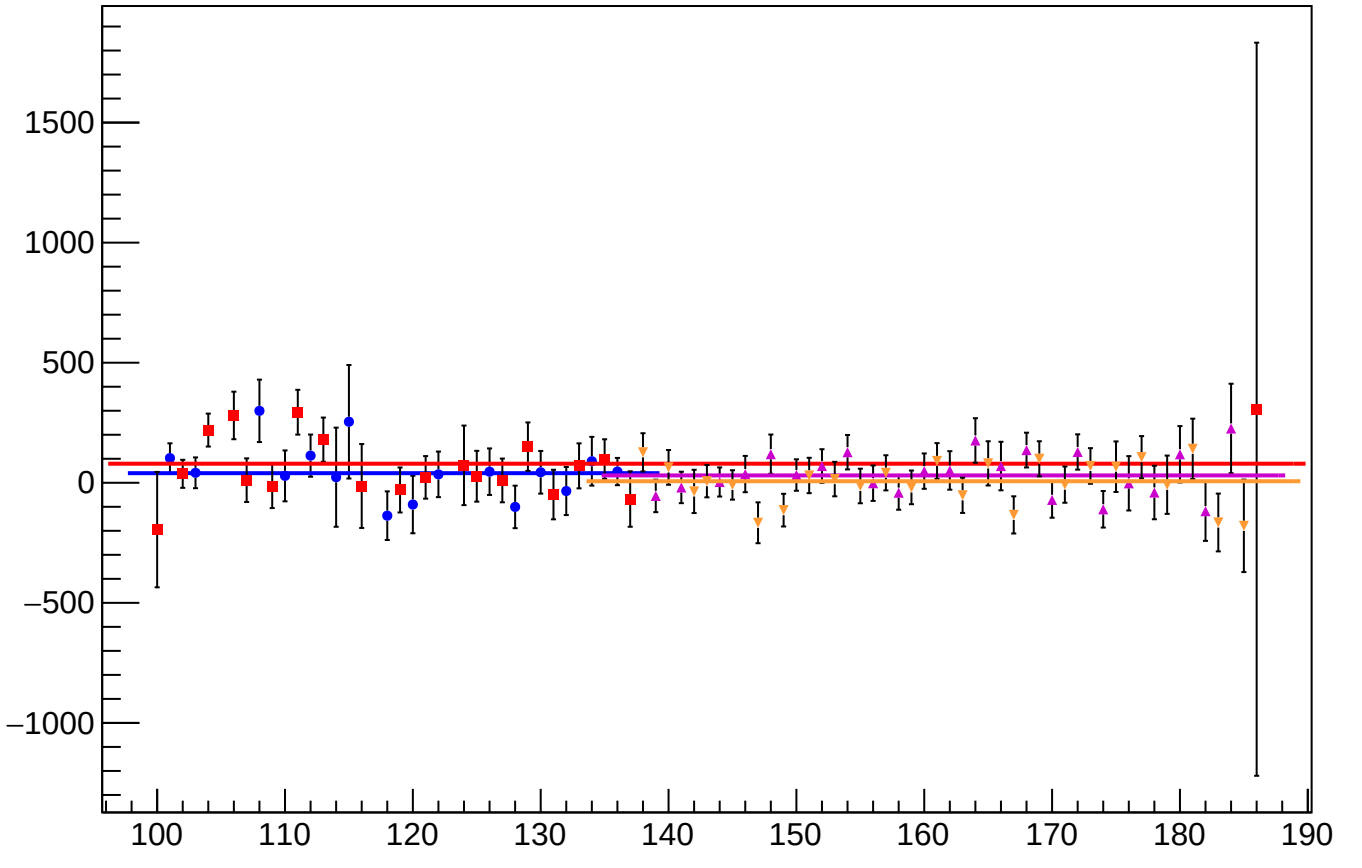
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 114.869+/-0.027 χ^2/NDF: 11493520.5/35

In: 182.949+/-0.032 χ^2/NDF:17673039.9/38

Out: 188.069+/-0.031 χ^2/NDF:18059614.3/44

All: 185.542+/-0.022 χ^2/NDF: 35745824.1/83



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

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

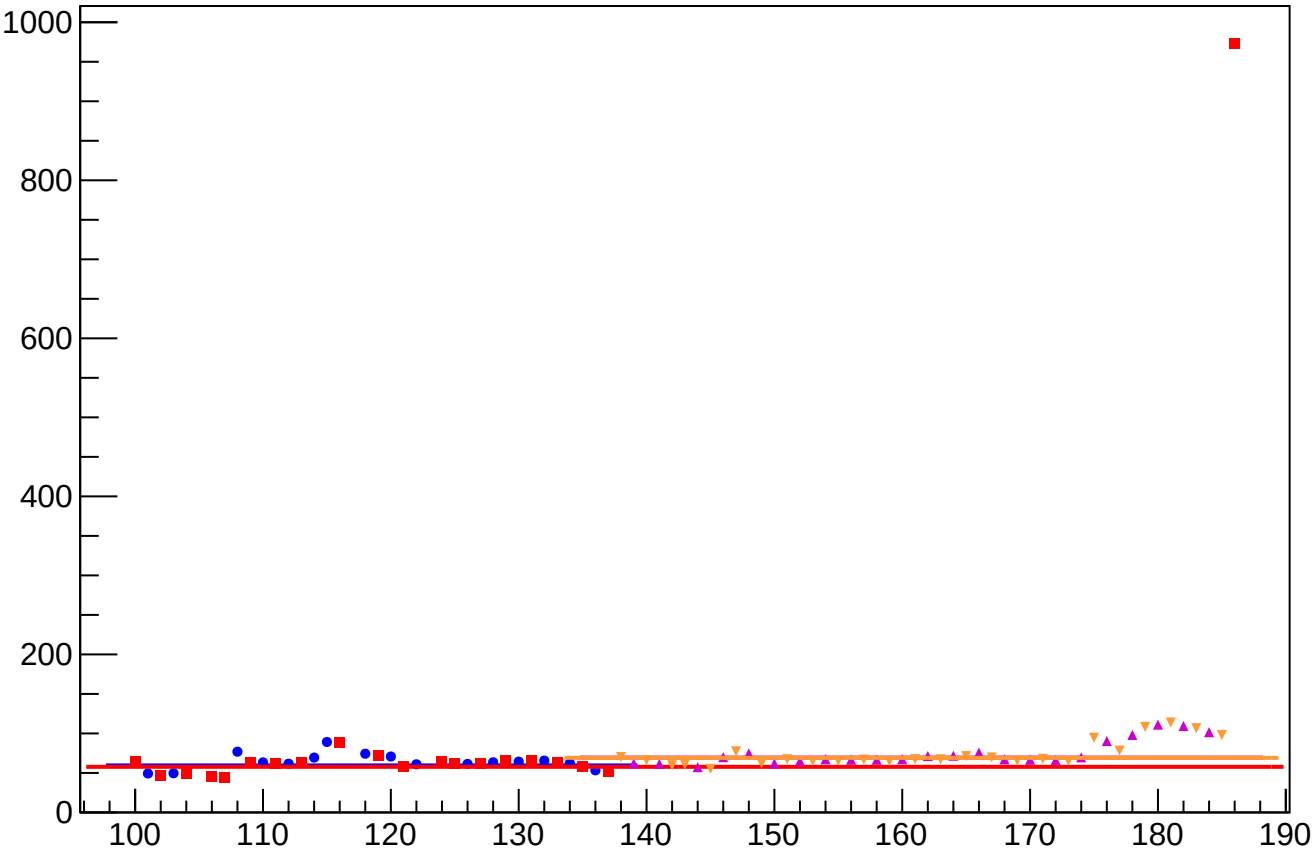
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 60.566+/-15.577 χ^2/NDF: 40.6/35

In: 33.936+/-13.310 χ^2/NDF:36.7/38

Out: 32.308+/-12.840 χ^2/NDF:57.3/44

All: 33.093+/-9.241 χ^2/NDF: 94.0/83



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

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

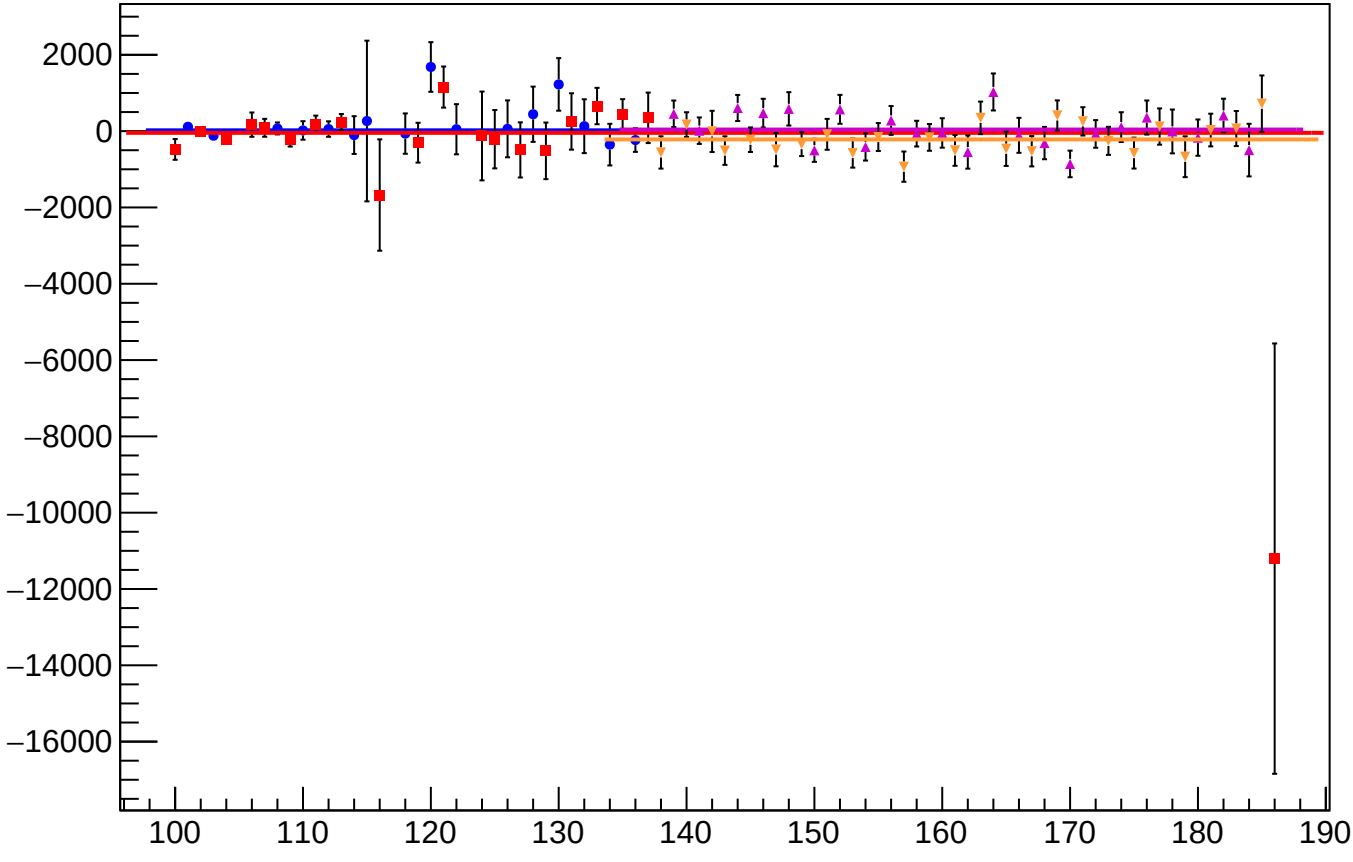
Right: 58.592+/-0.011 χ^2/NDF: 1356034.1/35

In: 65.967+/-0.009 χ^2/NDF:1460743.4/38

Out: 65.066+/-0.009 χ^2/NDF:2496608.0/44

All: 65.500+/-0.007 χ^2/NDF: 3962093.6/83

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

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

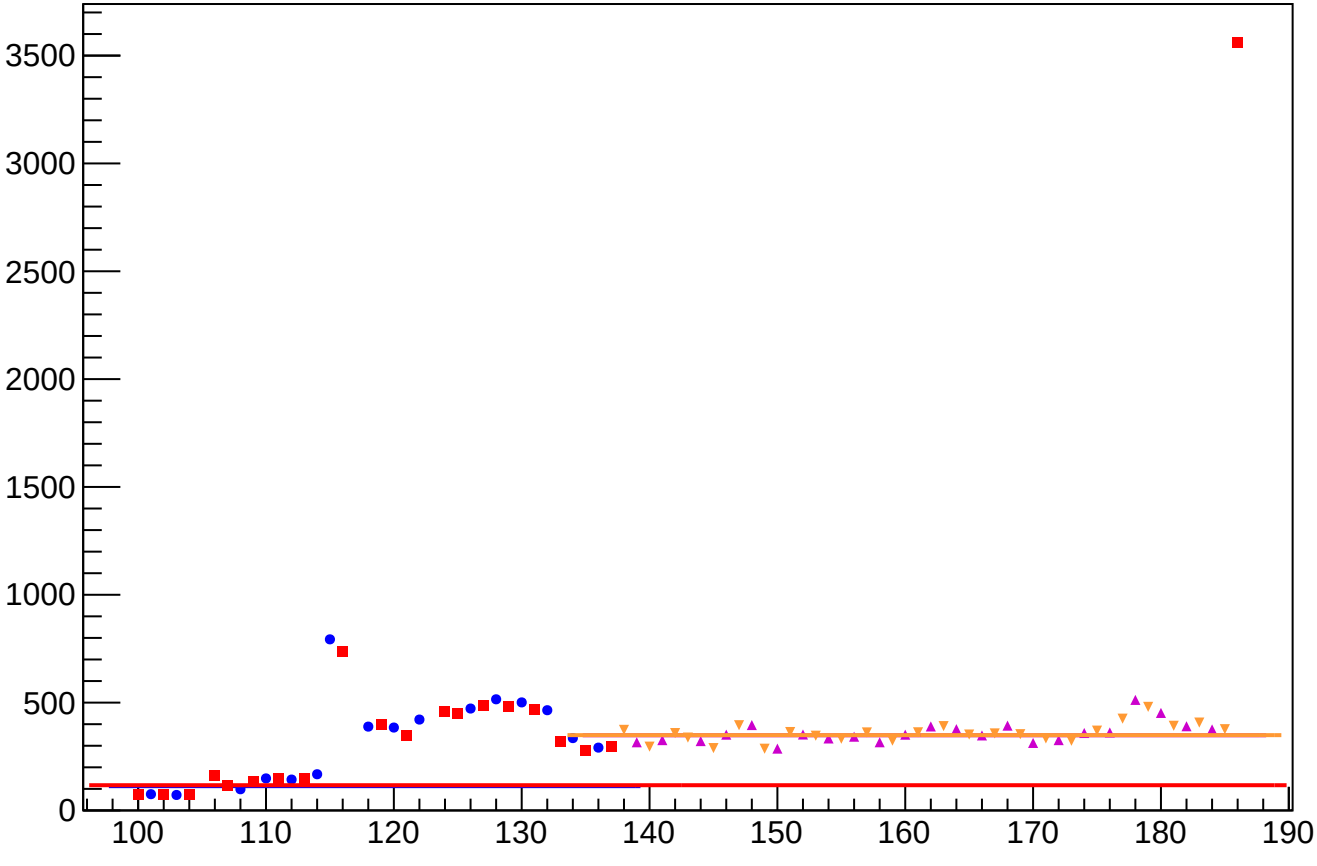
Right: -11.938+/-37.756 χ^2/NDF: 40.8/35

In: 26.999+/-44.898 χ^2/NDF:44.6/38

Out: -97.218+/-44.326 χ^2/NDF:48.0/44

All: -35.907+/-31.544 χ^2/NDF: 96.5/83

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 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

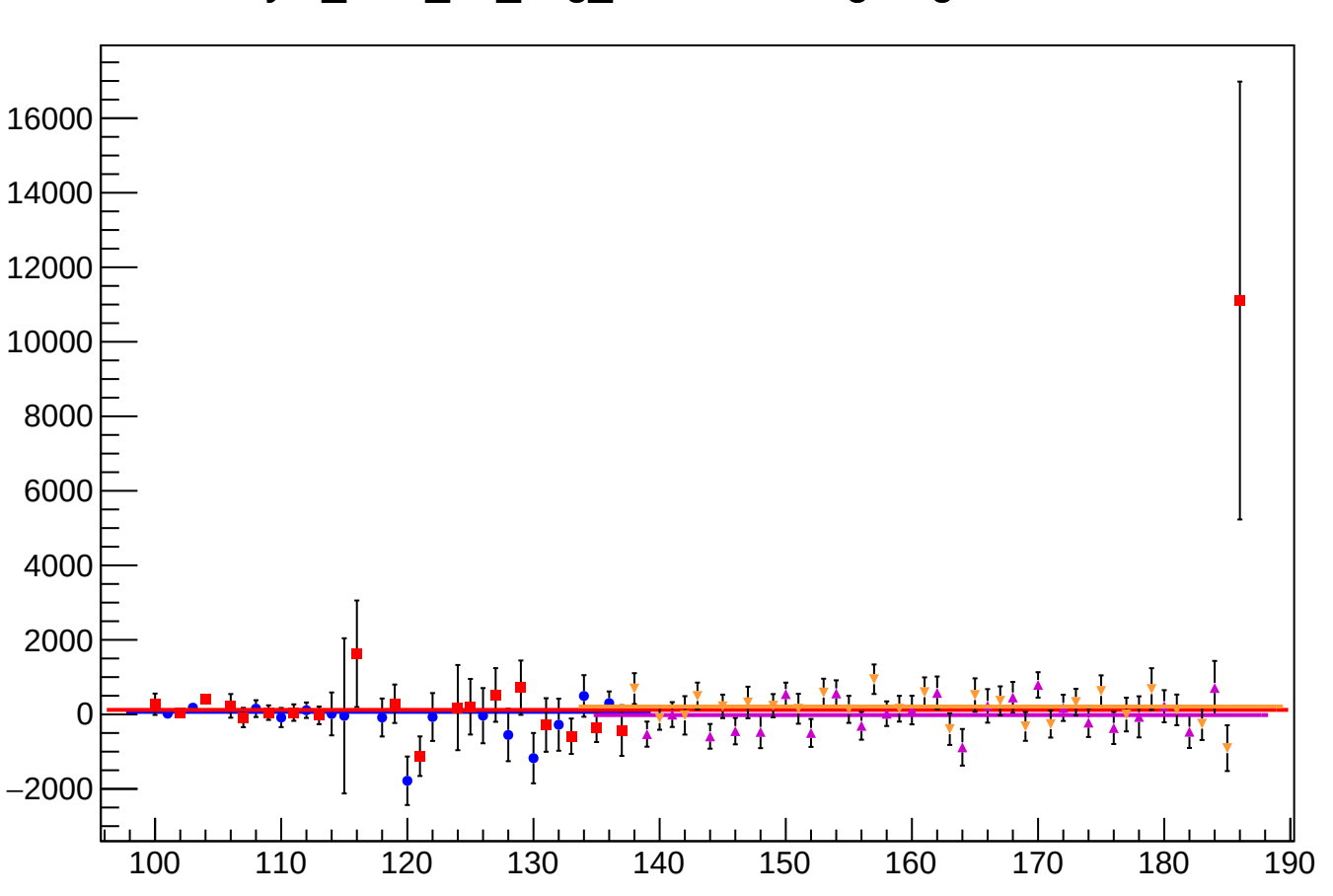
Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

Right: 114.869+/-0.027 χ^2/NDF: 11493520.9/35

In: 182.949+/-0.032 χ^2/NDF:17673099.3/38

Out: 188.069+/-0.031 χ^2/NDF:18059692.6/44

All: 185.542+/-0.022 χ^2/NDF: 35745961.0/83



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

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

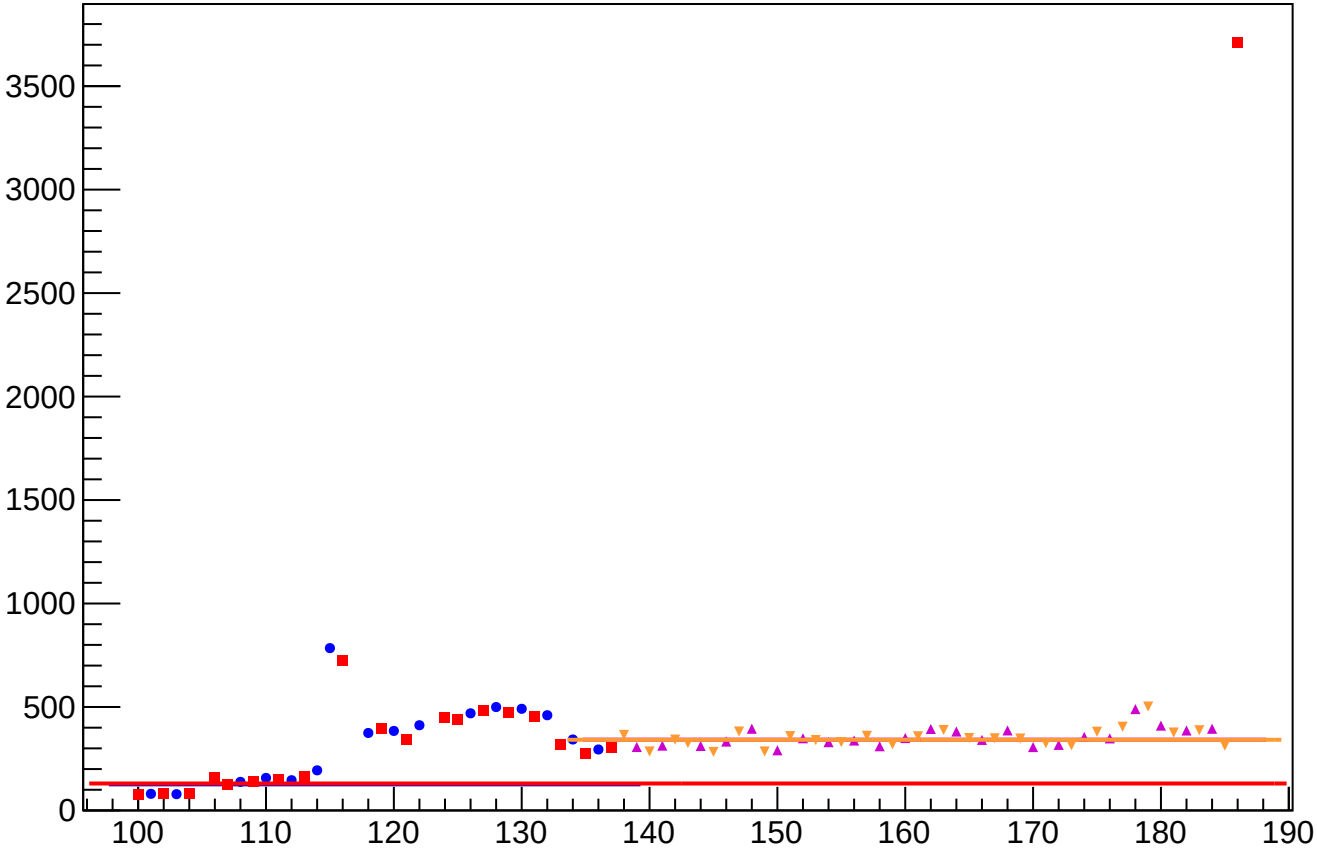
Right: 94.720+/-41.397 χ^2/NDF: 40.8/35

In: 37.427+/-47.717 χ^2/NDF:48.5/38

Out: 152.124+/-46.619 χ^2/NDF:46.9/44

All: 96.111+/-33.346 χ^2/NDF: 98.4/83

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

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

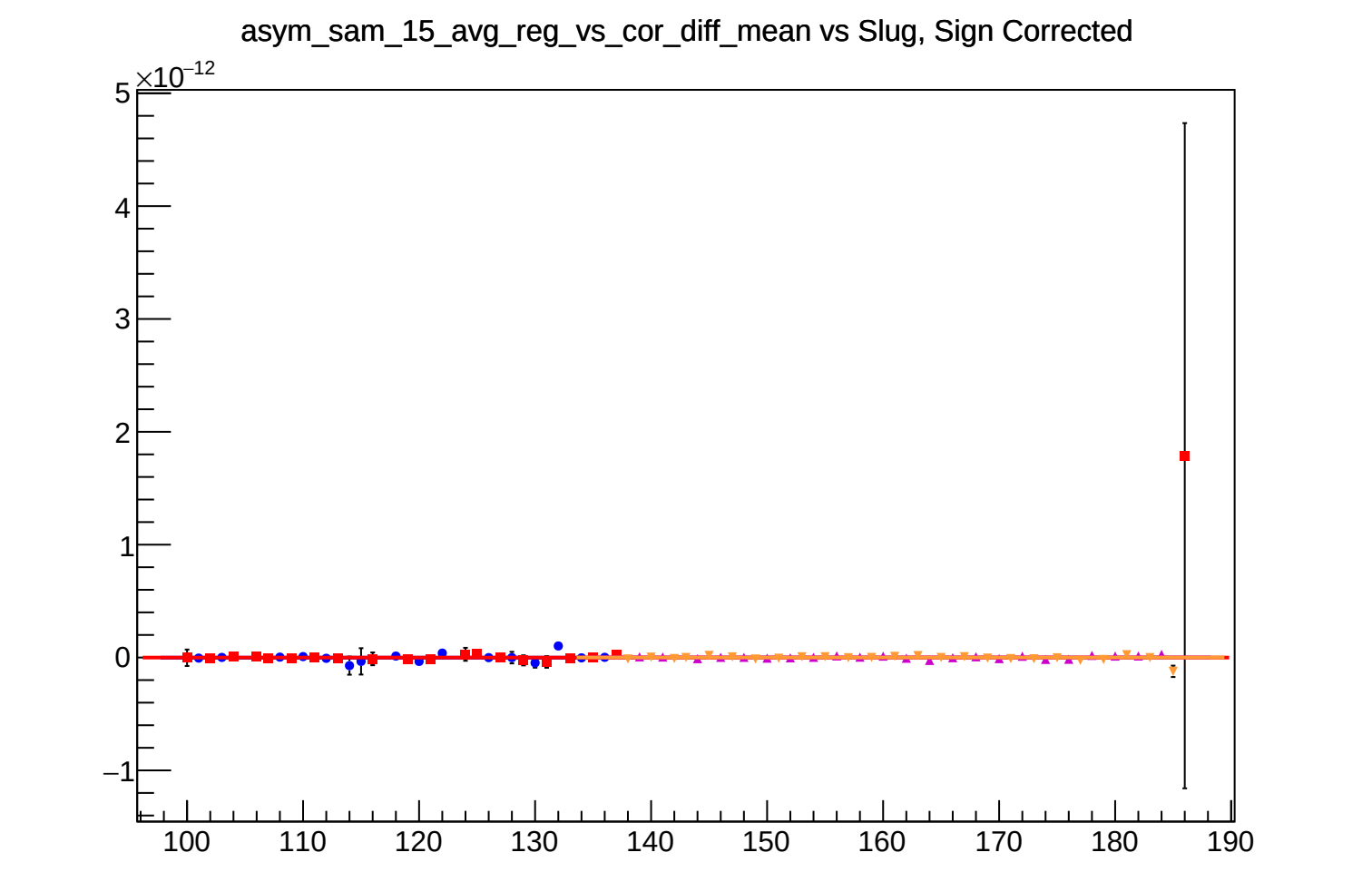
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 128.251+/-0.029 χ^2/NDF: 10615321.6/35

In: 201.600+/-0.034 χ^2/NDF:15006213.6/38

Out: 204.770+/-0.033 χ^2/NDF:15325402.6/44

All: 203.222+/-0.024 χ^2/NDF: 30336131.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

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

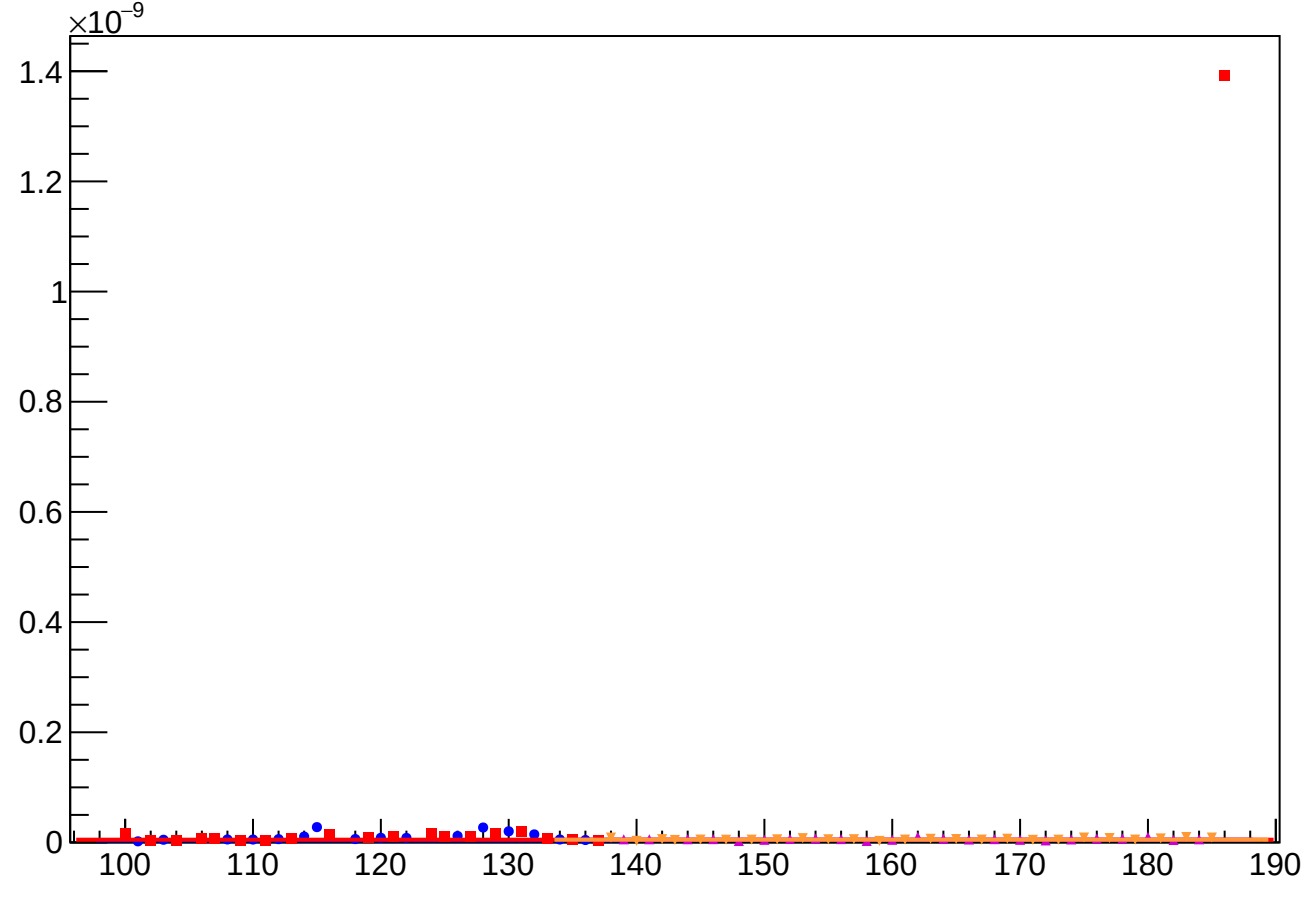
Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

Right: -0.000+/-0.000 χ^2/NDF: 28.7/35

In: -0.000+/-0.000 χ^2/NDF:39.0/38

Out: 0.000+/-0.000 χ^2/NDF:39.5/44

All: -0.000+/-0.000 χ^2/NDF: 78.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

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

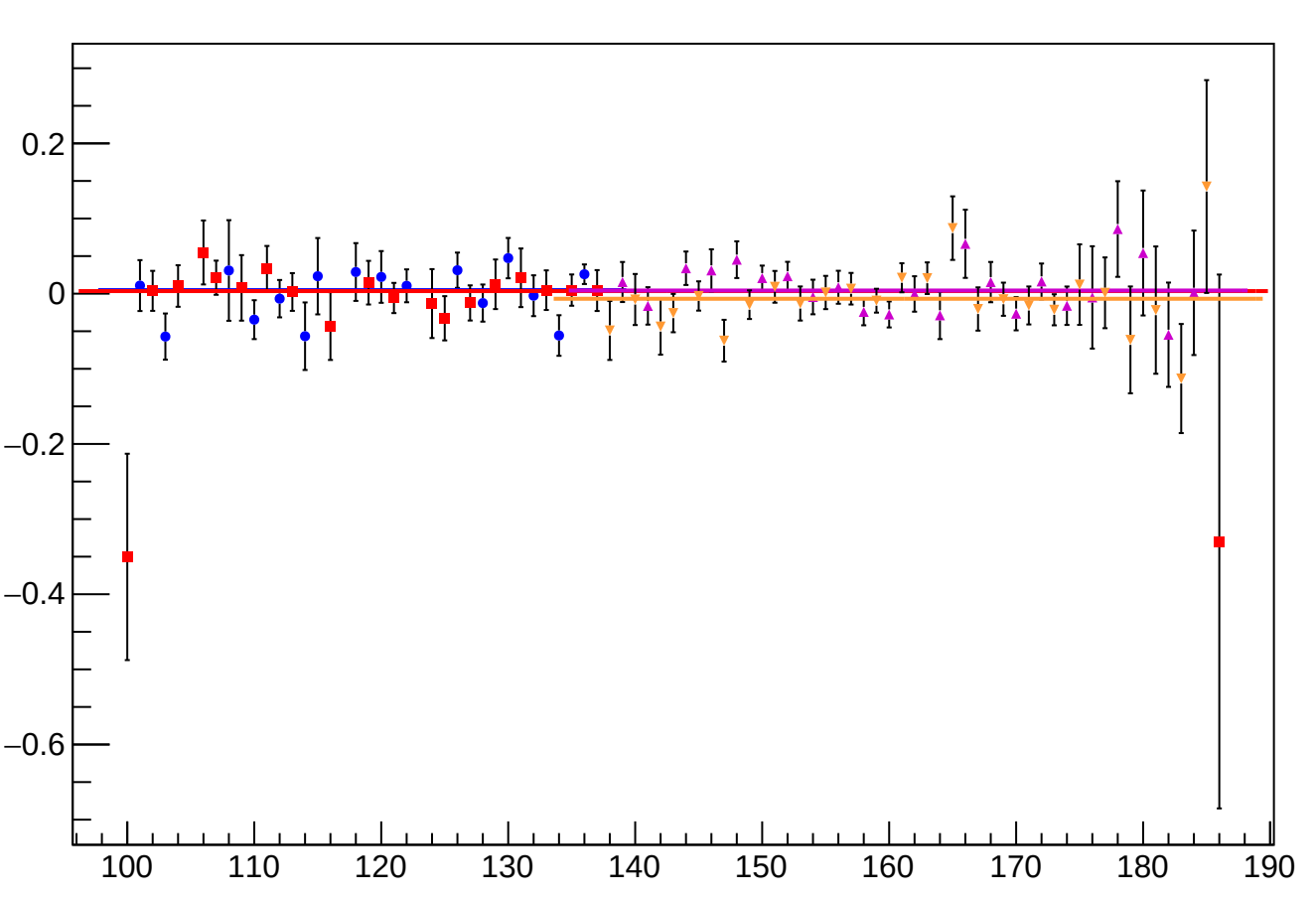
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4107870.7/35

In: 0.000+/-0.000 χ^2/NDF:3706039.1/38

Out: 0.000+/-0.000 χ^2/NDF:3032942.9/44

All: 0.000+/-0.000 χ^2/NDF: 6850131.5/83



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

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

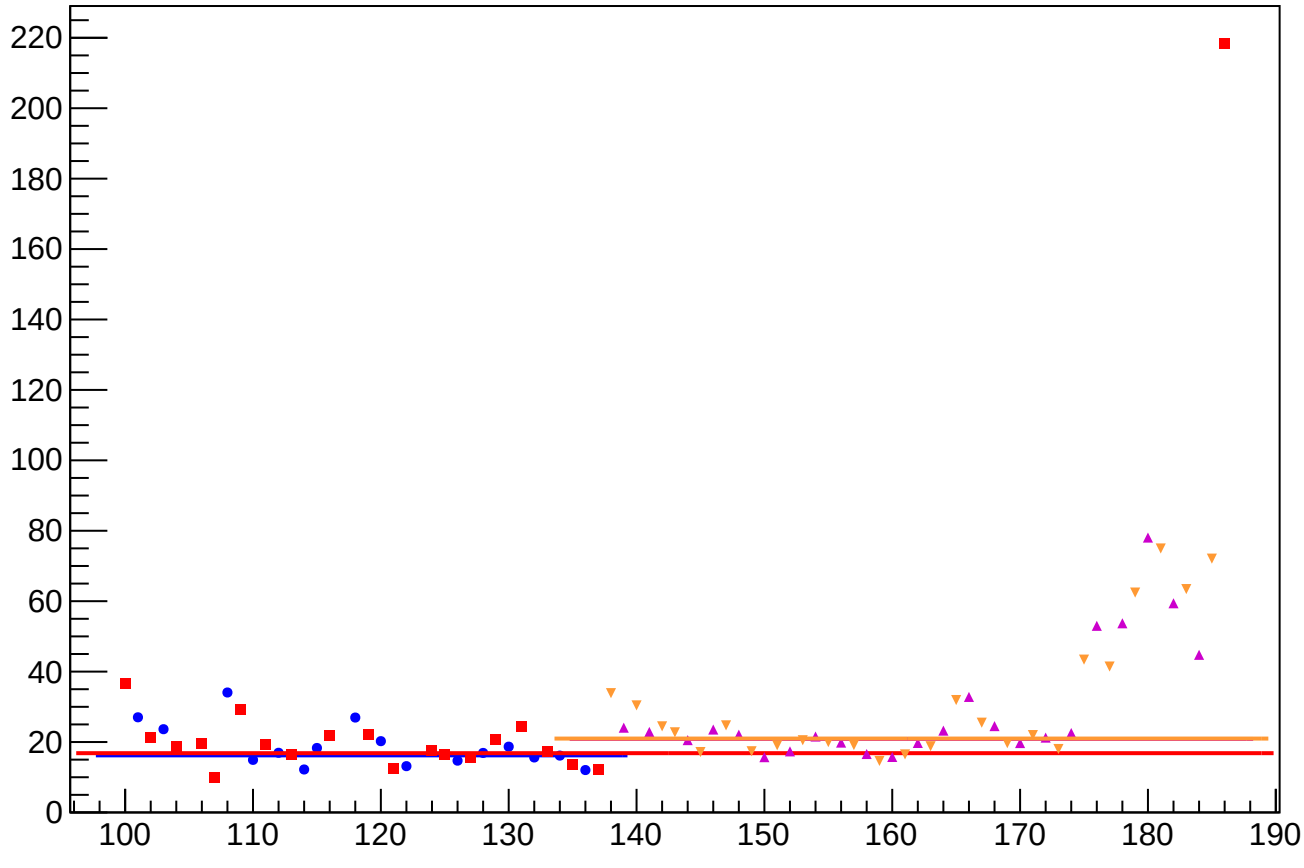
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.004+/-0.005 χ^2/NDF: 36.0/35

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/83



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

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

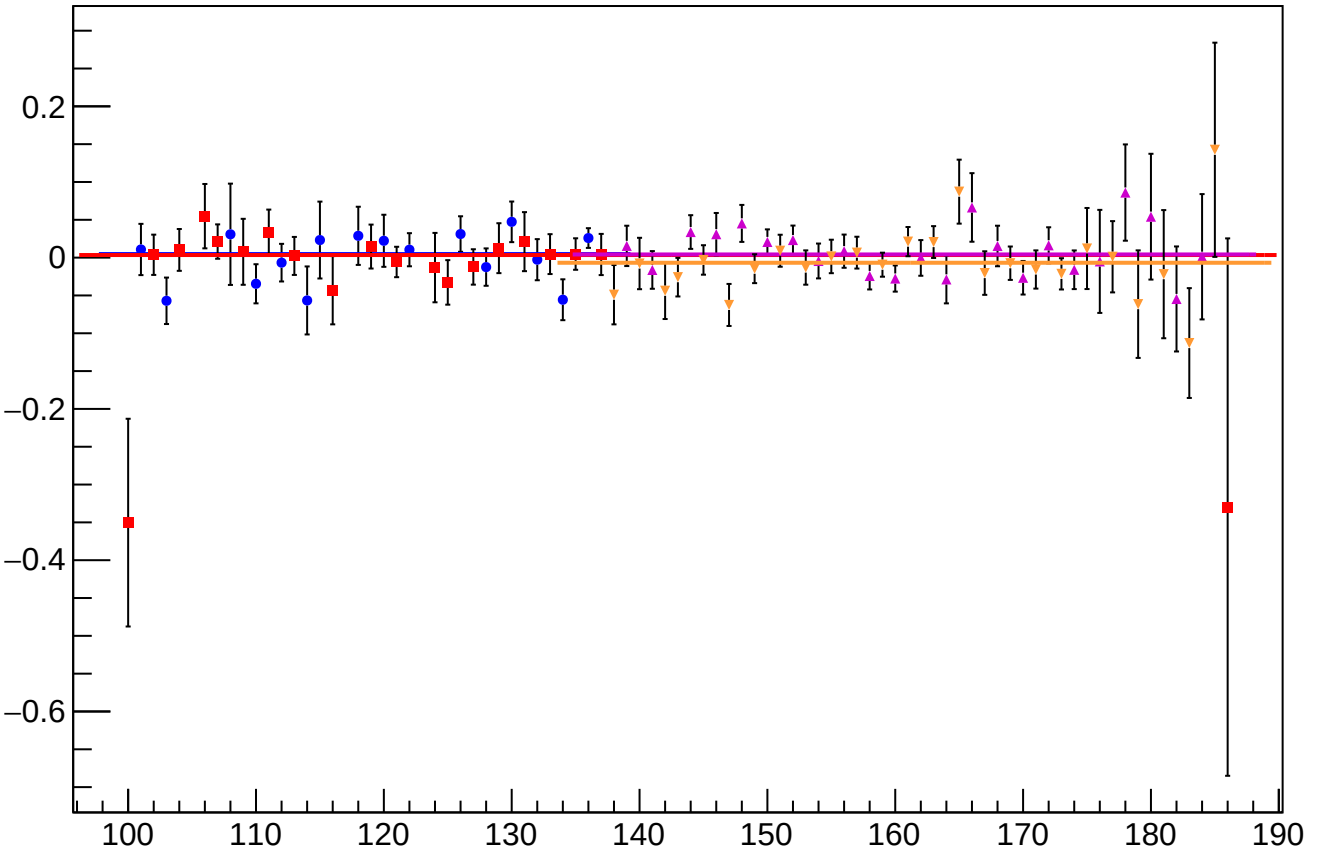
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.524+/-0.003 χ^2/NDF: 2463209.3/35

In: 19.036+/-0.003 χ^2/NDF:5087337.9/38

Out: 19.400+/-0.003 χ^2/NDF:6461604.0/44

All: 19.219+/-0.002 χ^2/NDF: 11556771.1/83



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

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

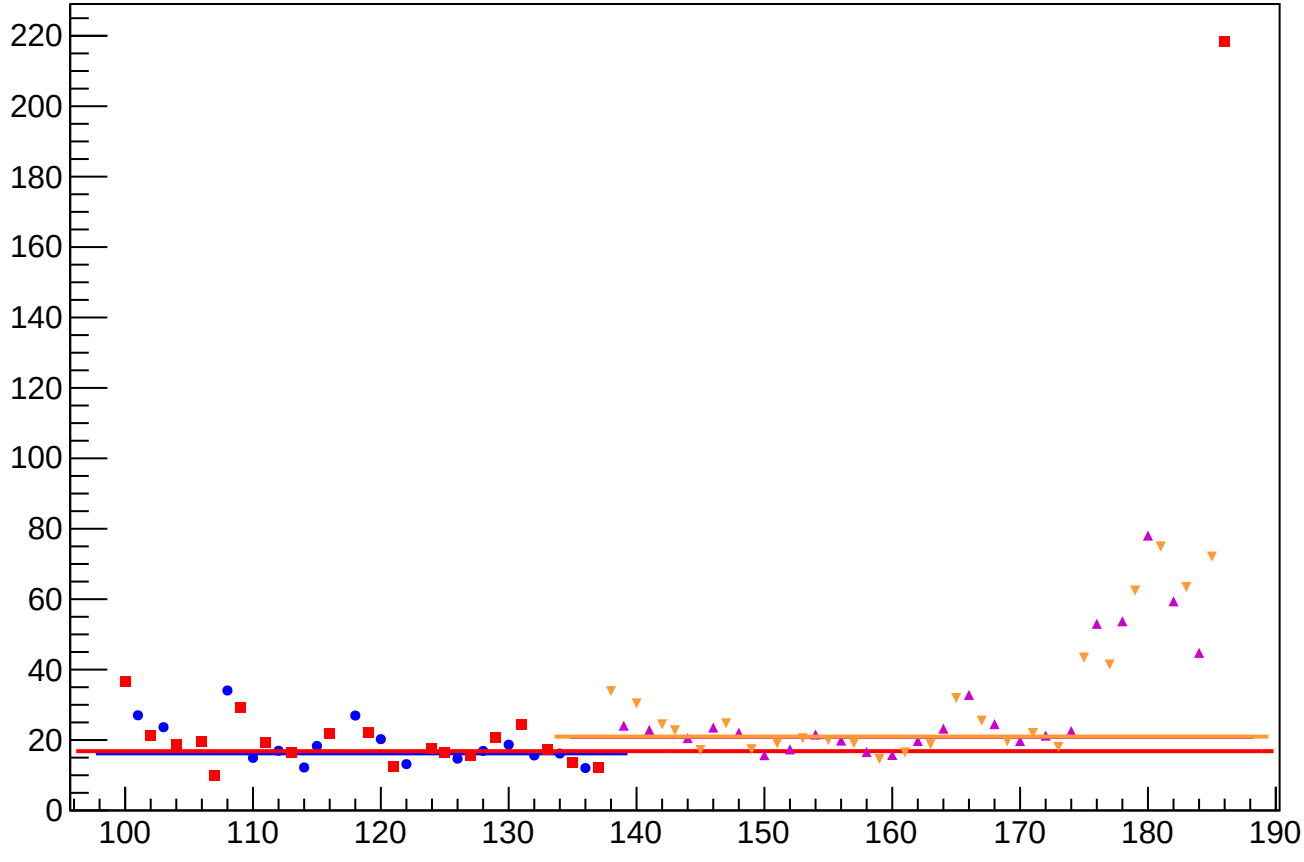
Right: 0.004+/-0.005 χ^2/NDF: 36.0/35

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/83

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

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

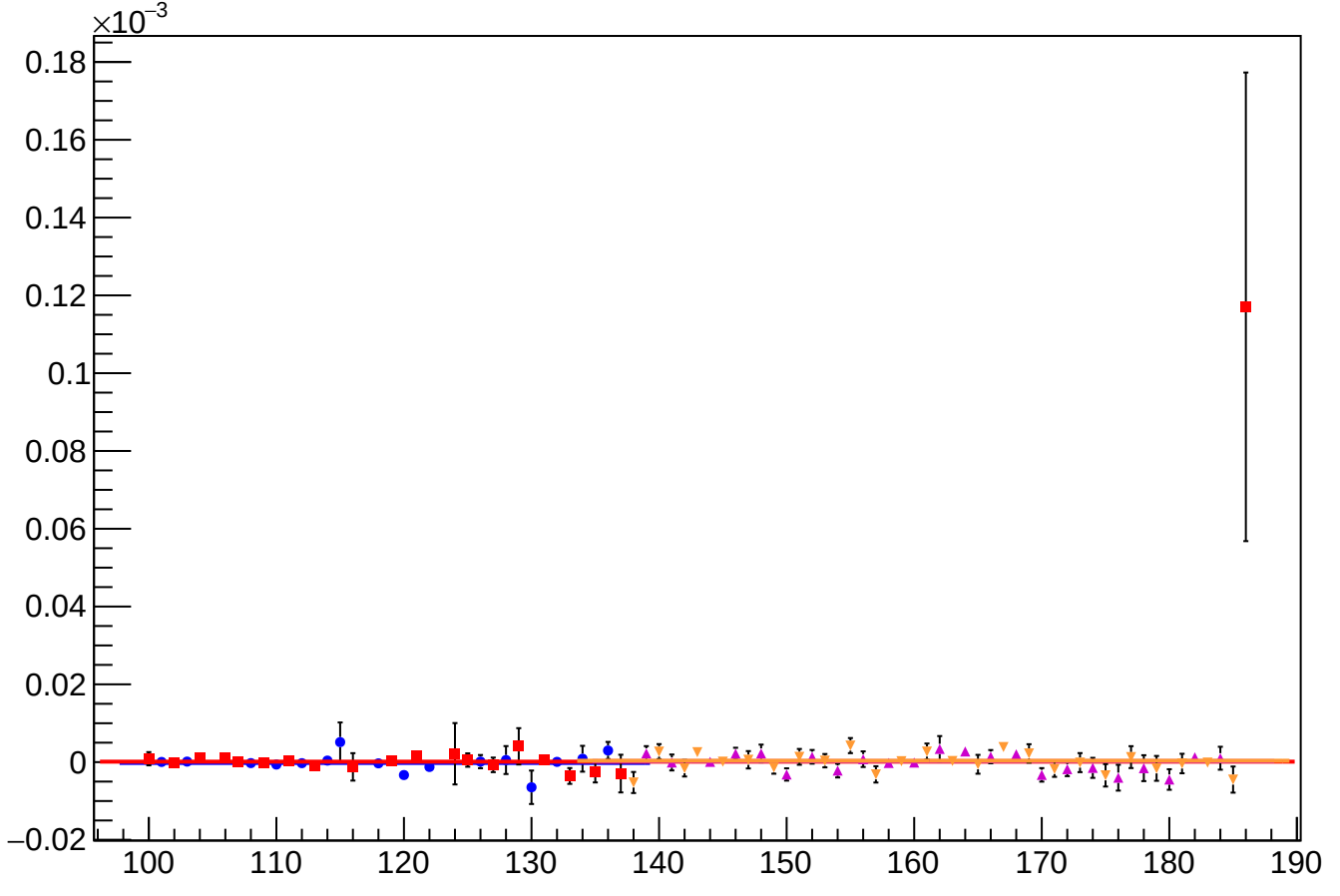
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.524+/-0.003 χ^2/NDF: 2463209.3/35

In: 19.036+/-0.003 χ^2/NDF:5087337.9/38

Out: 19.400+/-0.003 χ^2/NDF:6461604.0/44

All: 19.219+/-0.002 χ^2/NDF: 11556771.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

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

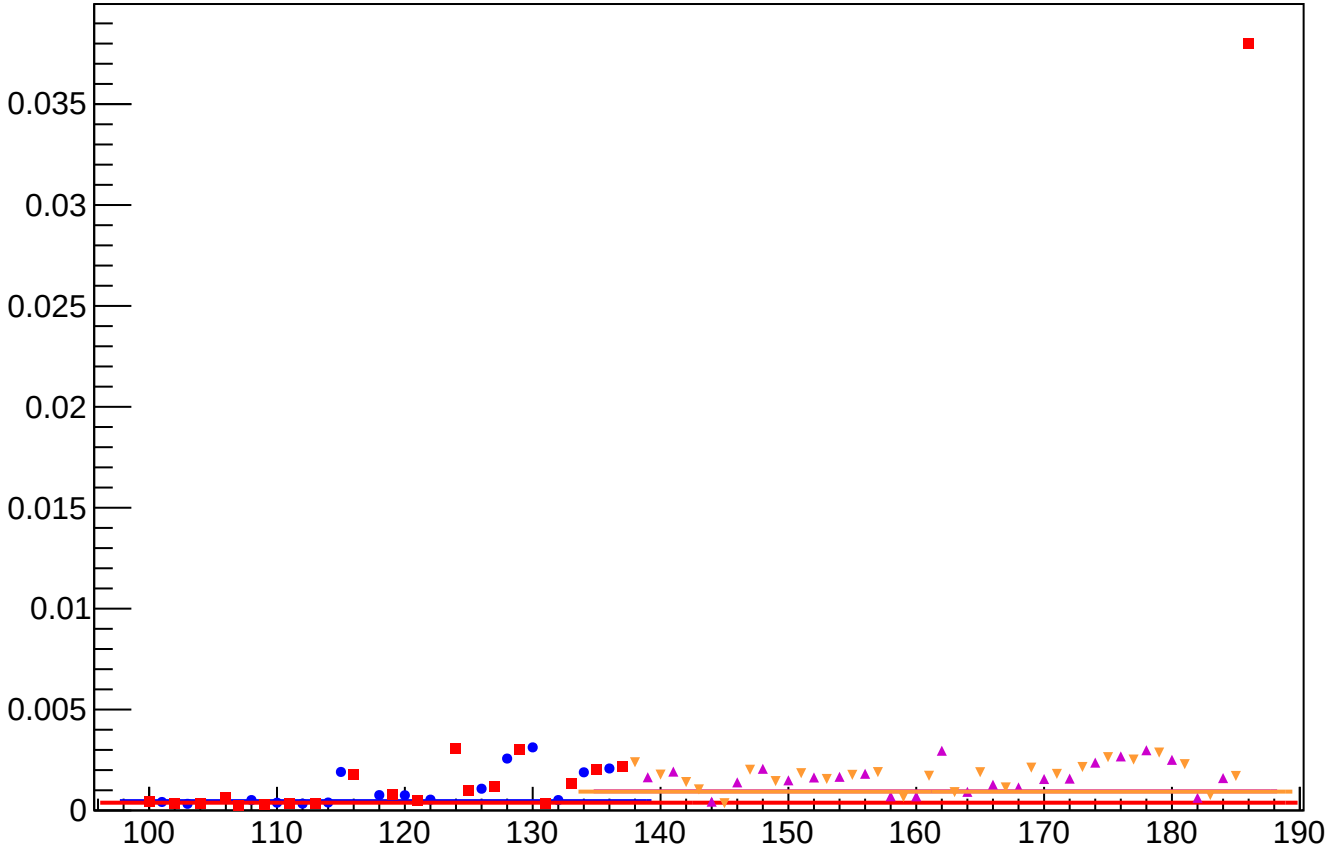
Right: -0.000+/-0.000 χ^2/NDF: 40.0/35

In: -0.000+/-0.000 χ^2/NDF:48.1/38

Out: 0.000+/-0.000 χ^2/NDF:58.8/44

All: 0.000+/-0.000 χ^2/NDF: 108.0/83

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

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

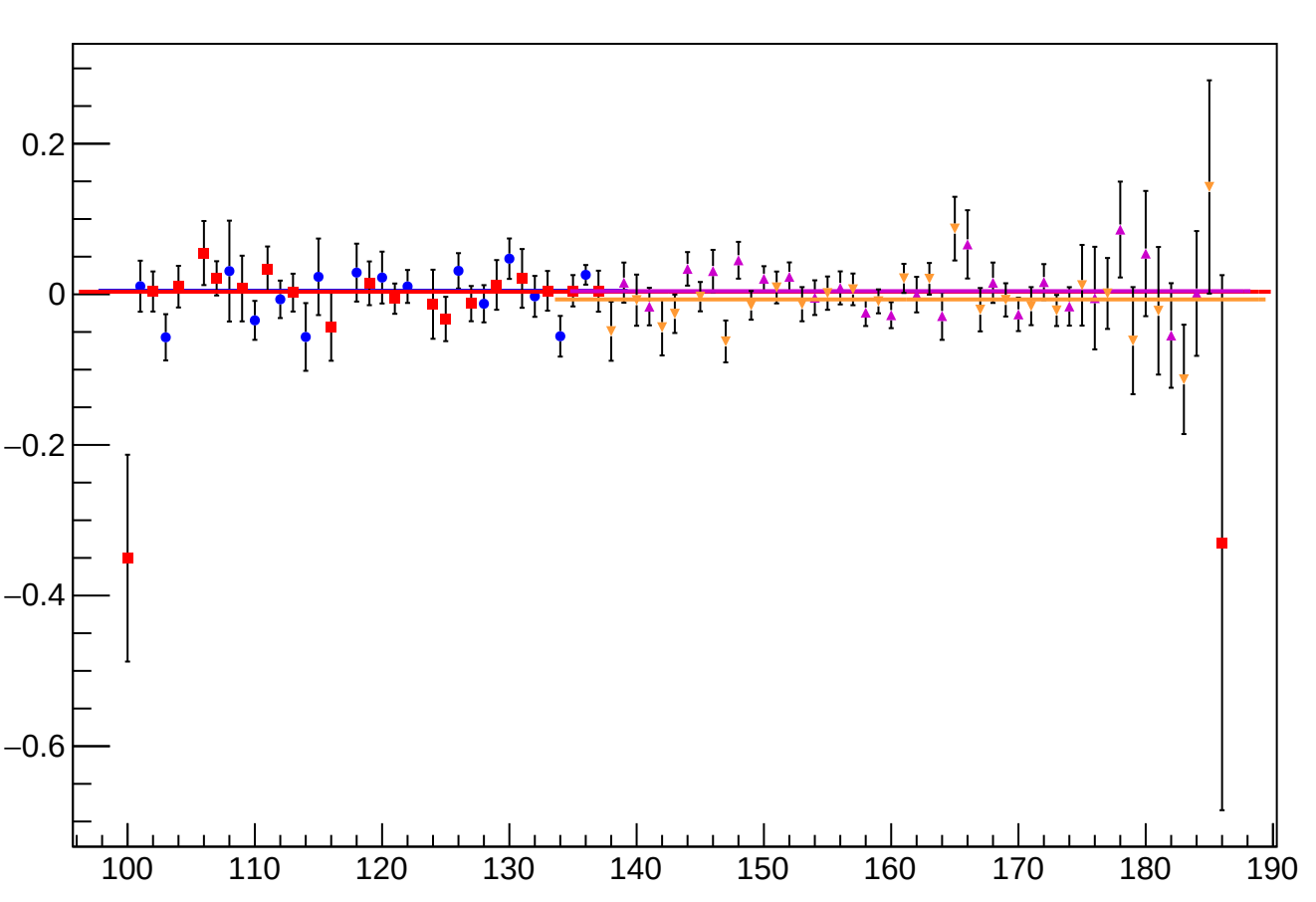
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9024247.7/35

In: 0.001+/-0.000 χ^2/NDF:17680710.8/38

Out: 0.001+/-0.000 χ^2/NDF:22979319.1/44

All: 0.001+/-0.000 χ^2/NDF: 41066249.1/83



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

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

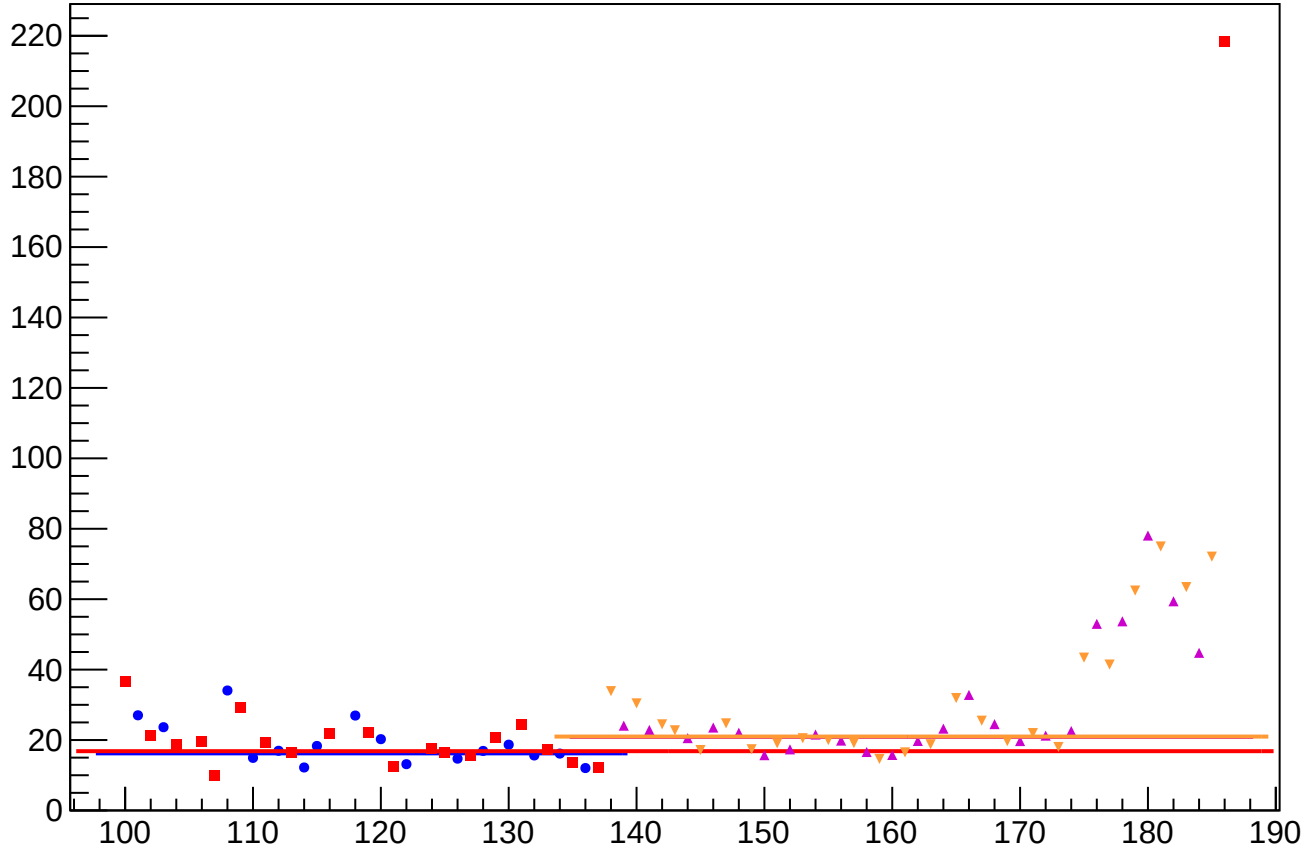
Right: 0.004+/-0.005 χ^2/NDF: 36.0/35

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/83

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 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

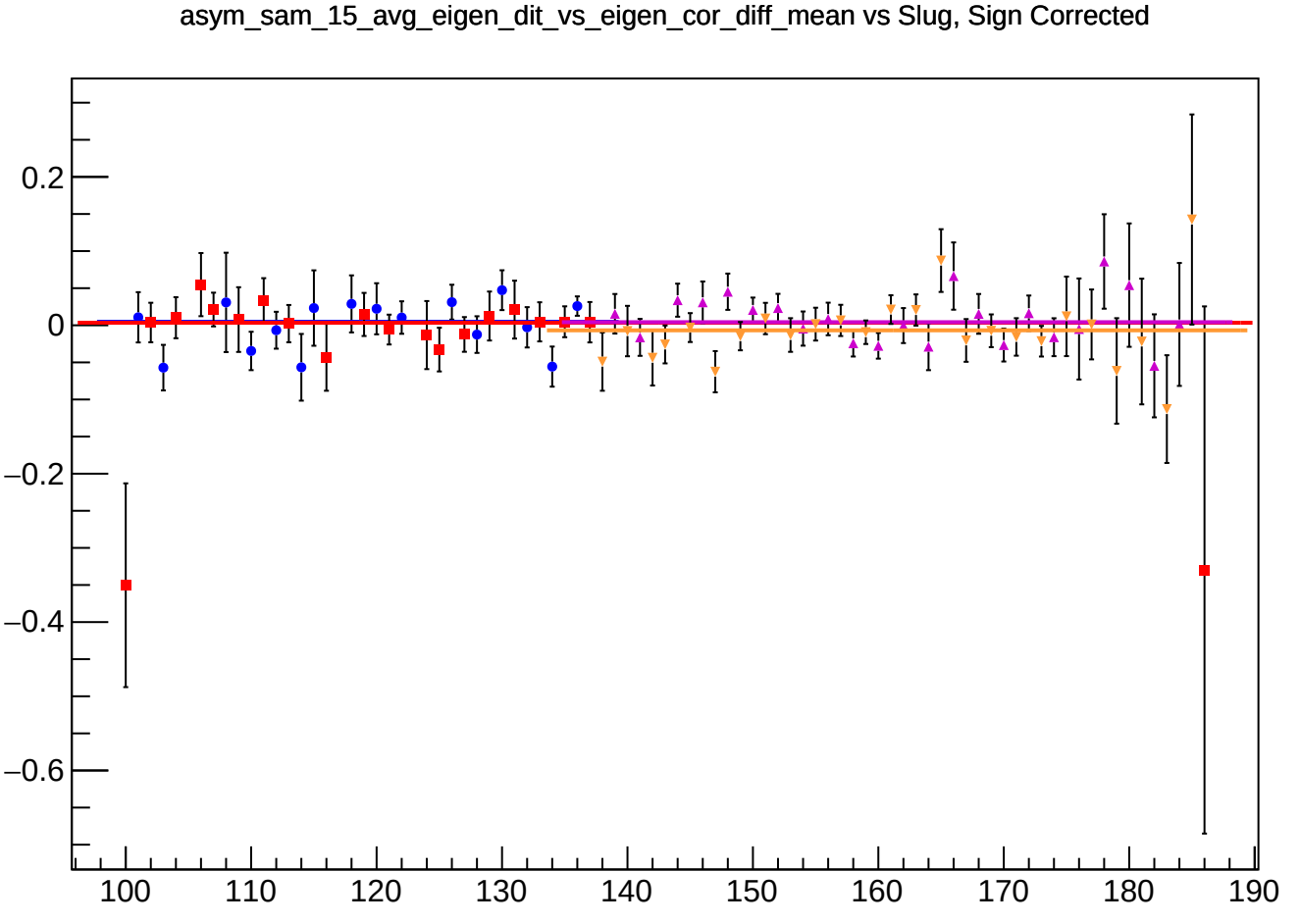
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.523+/-0.003 χ^2/NDF: 2463168.8/35

In: 19.036+/-0.003 χ^2/NDF:5087421.2/38

Out: 19.400+/-0.003 χ^2/NDF:6461660.3/44

All: 19.219+/-0.002 χ^2/NDF: 11556912.1/83



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

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

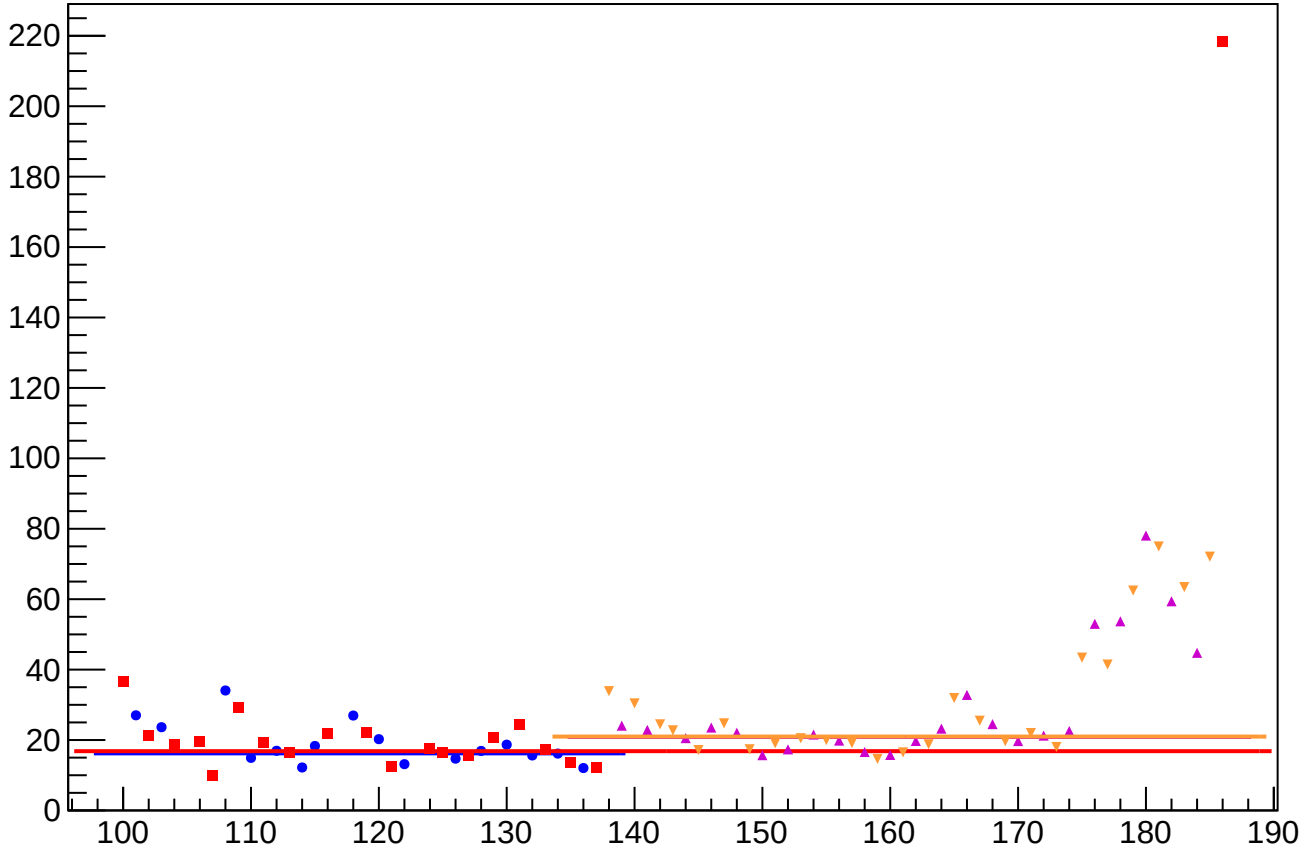
Right: 0.004+/-0.005 χ^2/NDF: 36.0/35

In: 0.004+/-0.004 χ^2/NDF:44.6/38

Out: -0.003+/-0.004 χ^2/NDF:37.7/44

All: 0.001+/-0.003 χ^2/NDF: 83.9/83

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.981+/-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

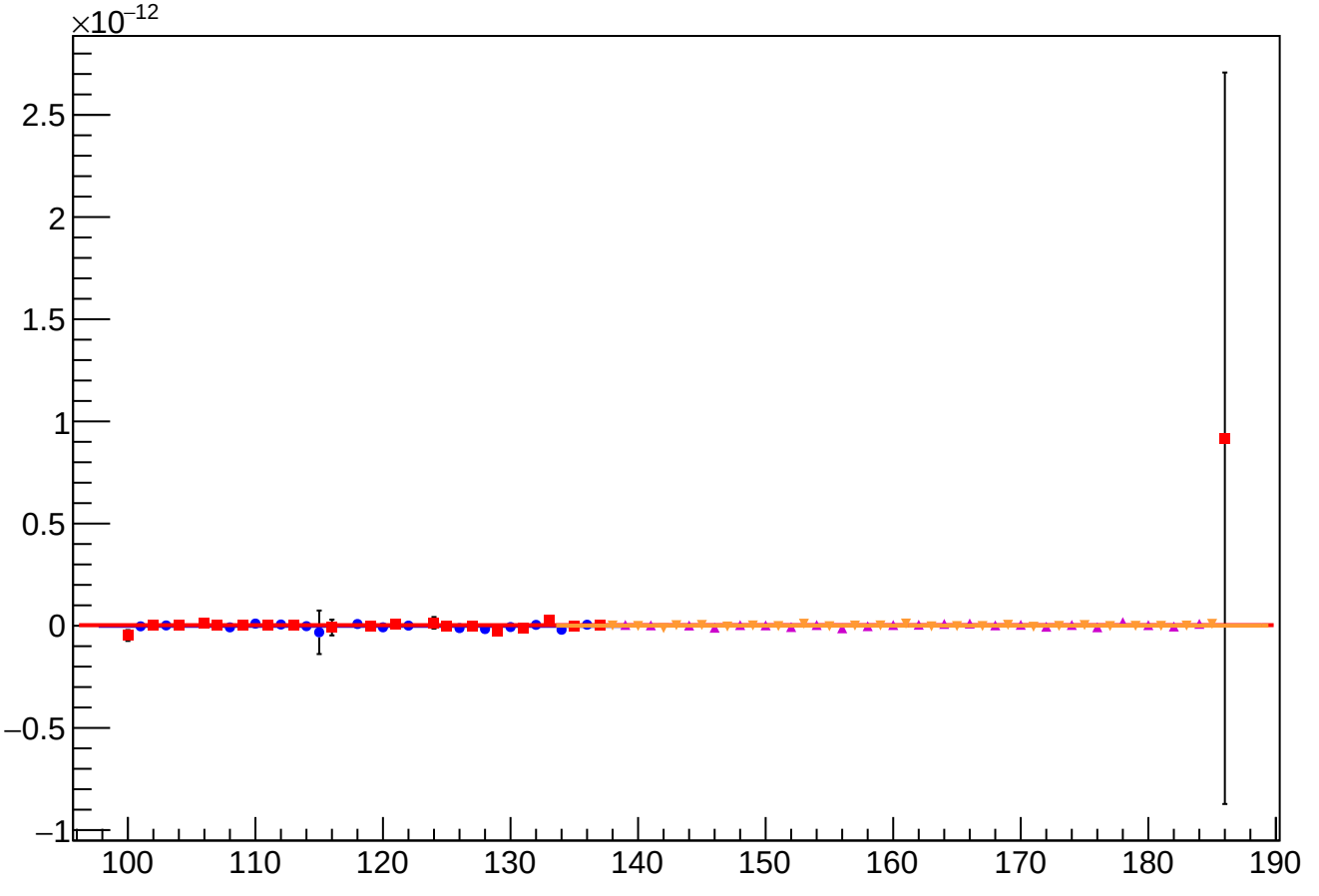
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.523+/-0.003 χ^2/NDF: 2463168.8/35

In: 19.036+/-0.003 χ^2/NDF:5087421.2/38

Out: 19.400+/-0.003 χ^2/NDF:6461660.3/44

All: 19.219+/-0.002 χ^2/NDF: 11556912.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

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

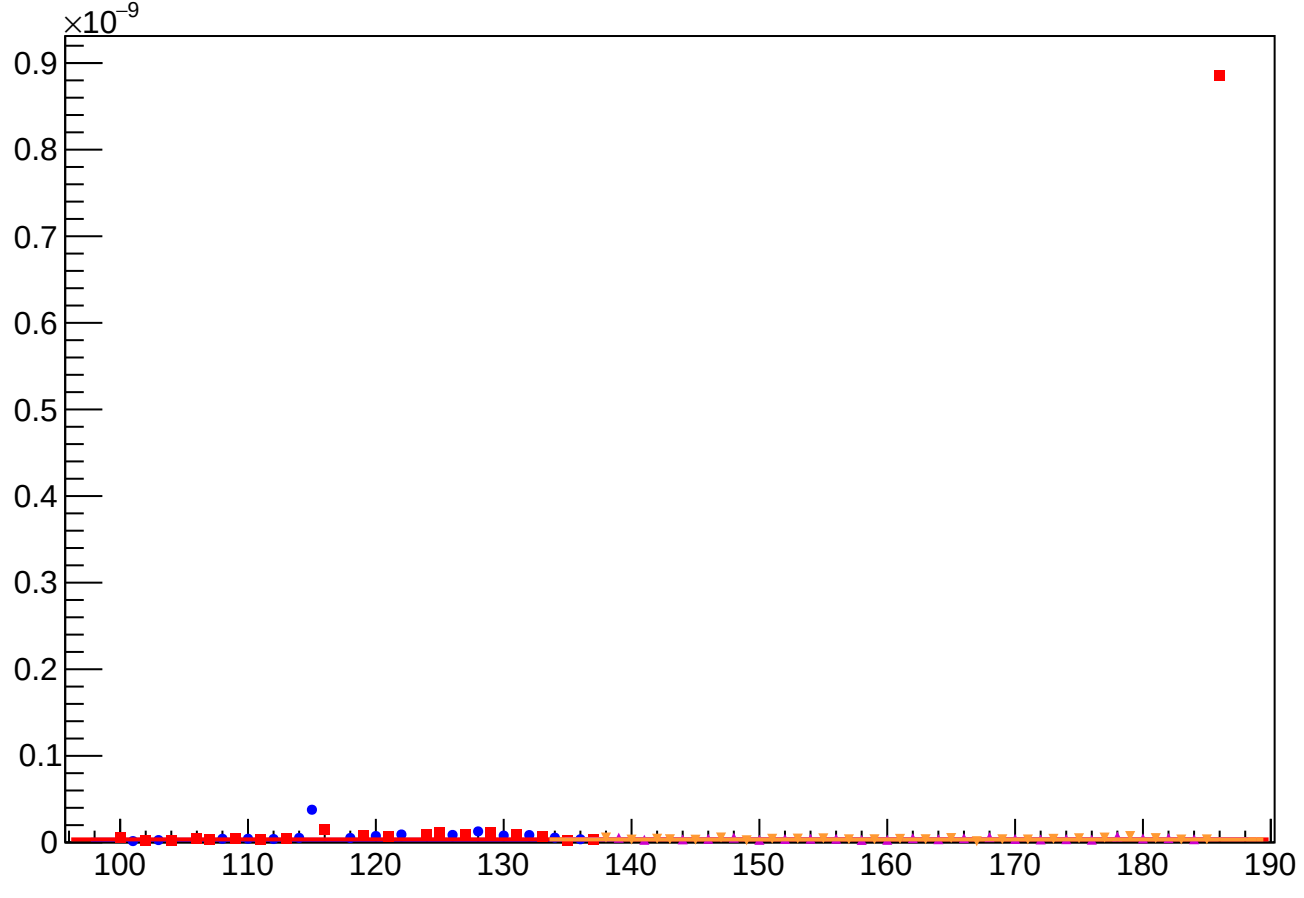
Right: 0.000+/-0.000 χ^2/NDF: 27.6/35

In: 0.000+/-0.000 χ^2/NDF:39.1/38

Out: 0.000+/-0.000 χ^2/NDF:29.2/44

All: 0.000+/-0.000 χ^2/NDF: 68.8/83

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

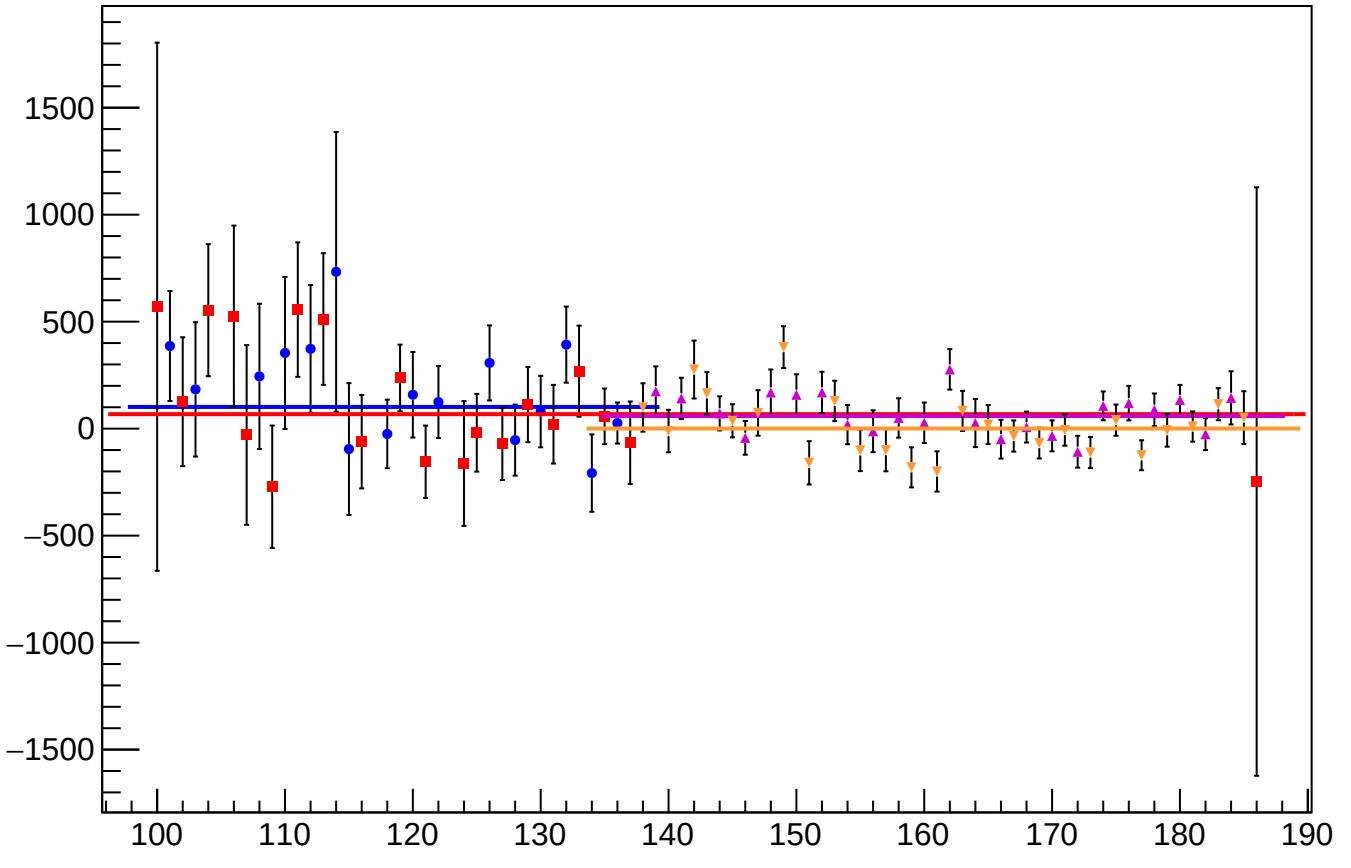
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6058829.6/35

In: 0.000+/-0.000 χ^2/NDF:4513980.5/38

Out: 0.000+/-0.000 χ^2/NDF:5572572.2/44

All: 0.000+/-0.000 χ^2/NDF: 10097415.8/83



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

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

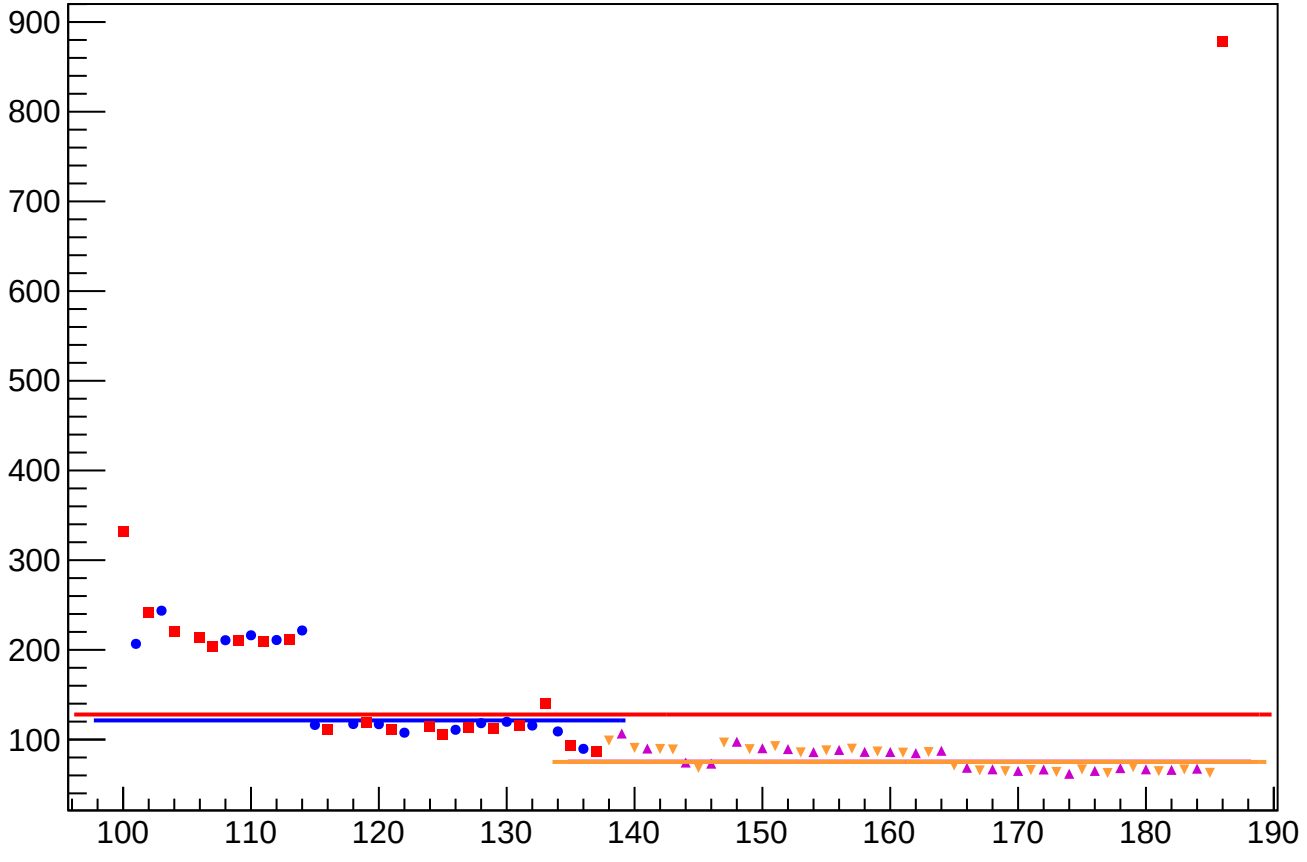
Right: 85.161+/-34.254 χ^2/NDF: 29.8/35

In: 64.162+/-16.739 χ^2/NDF:39.9/38

Out: 7.971+/-16.340 χ^2/NDF:66.4/44

All: 35.390+/-11.693 χ^2/NDF: 112.1/83

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

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

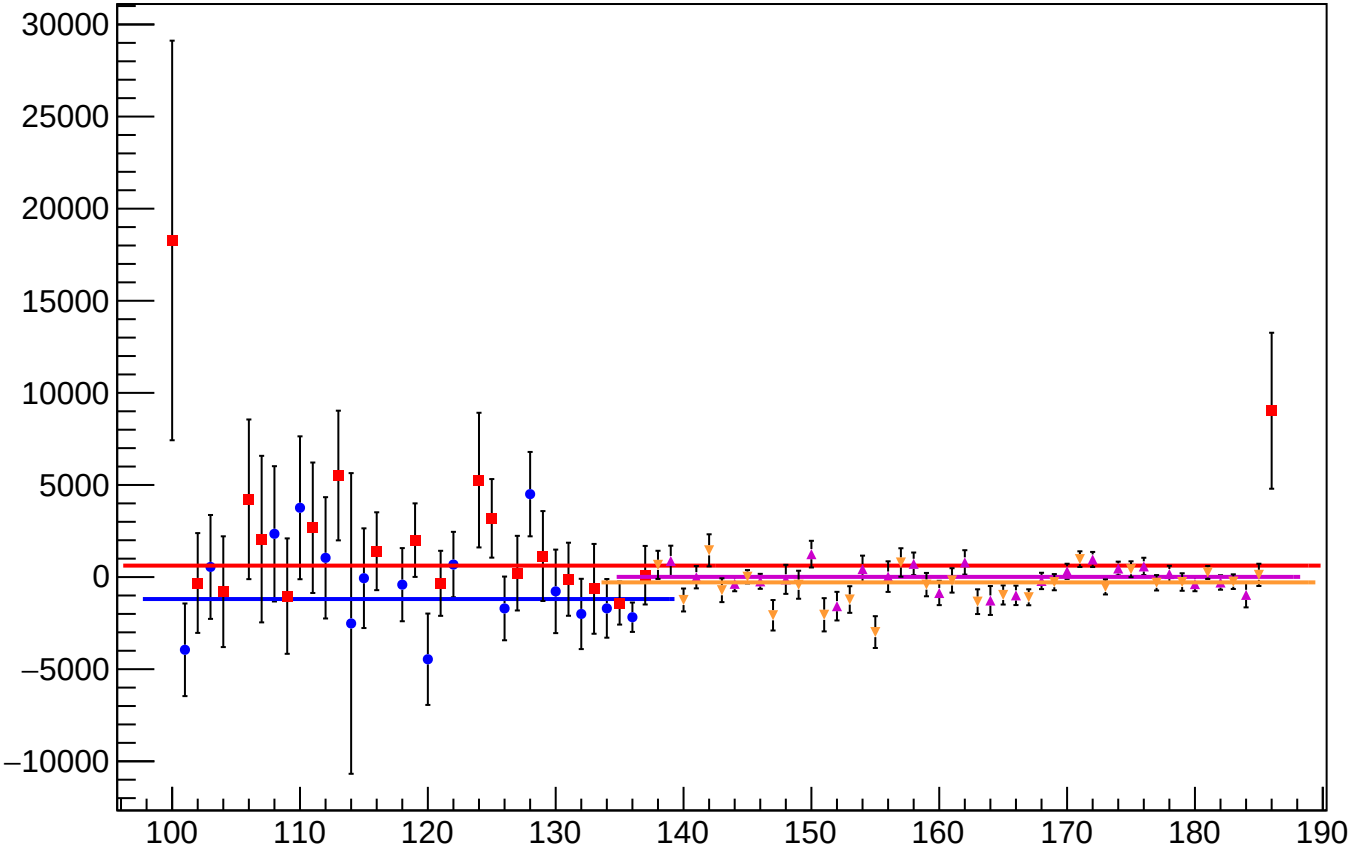
Right: 124.505+/-0.024 χ^2/NDF: 3372919.4/35

In: 81.030+/-0.012 χ^2/NDF:3757418.1/38

Out: 80.850+/-0.012 χ^2/NDF:5043611.9/44

All: 80.938+/-0.008 χ^2/NDF: 8801147.8/83

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 622.285+/-517.839 χ^2/NDF: 17.9/19

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

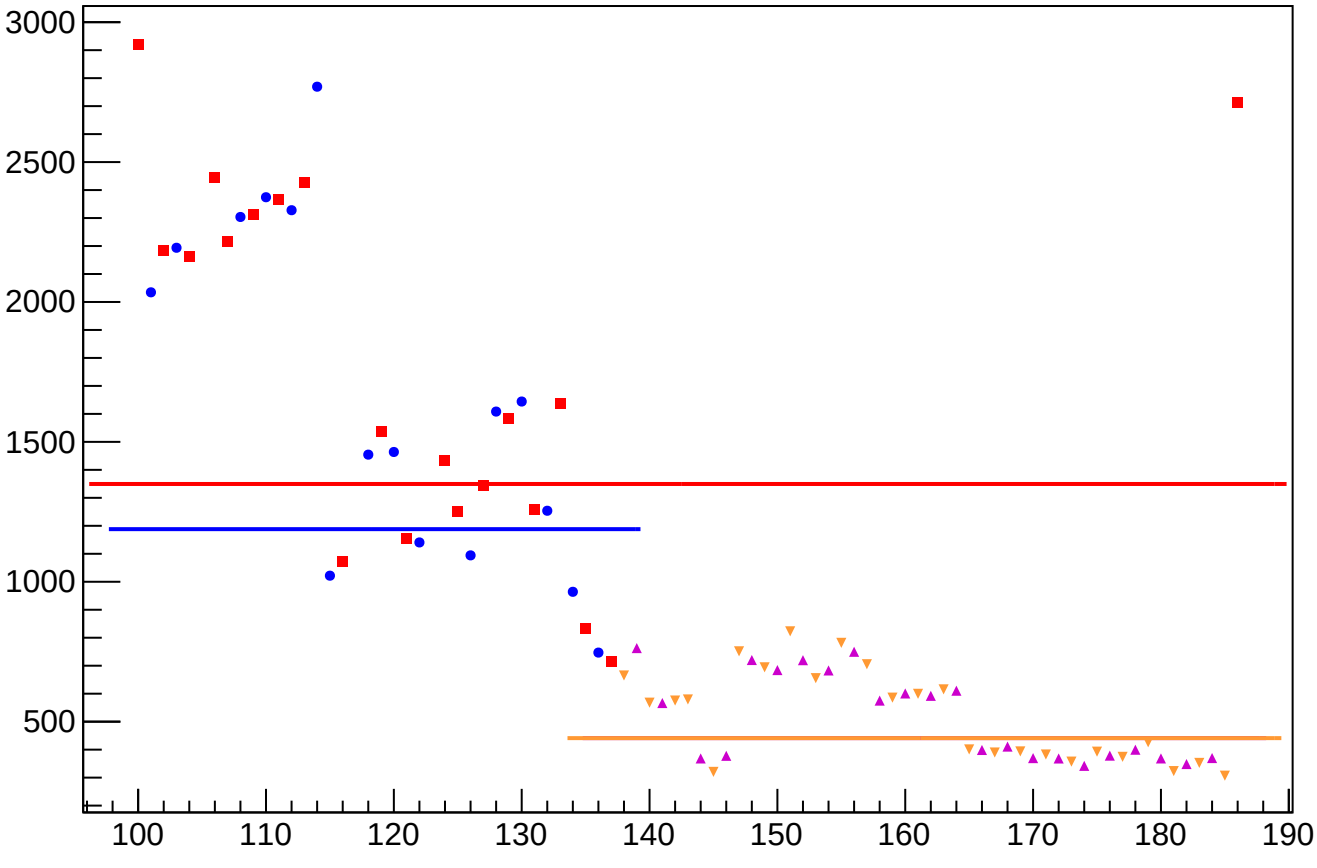
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

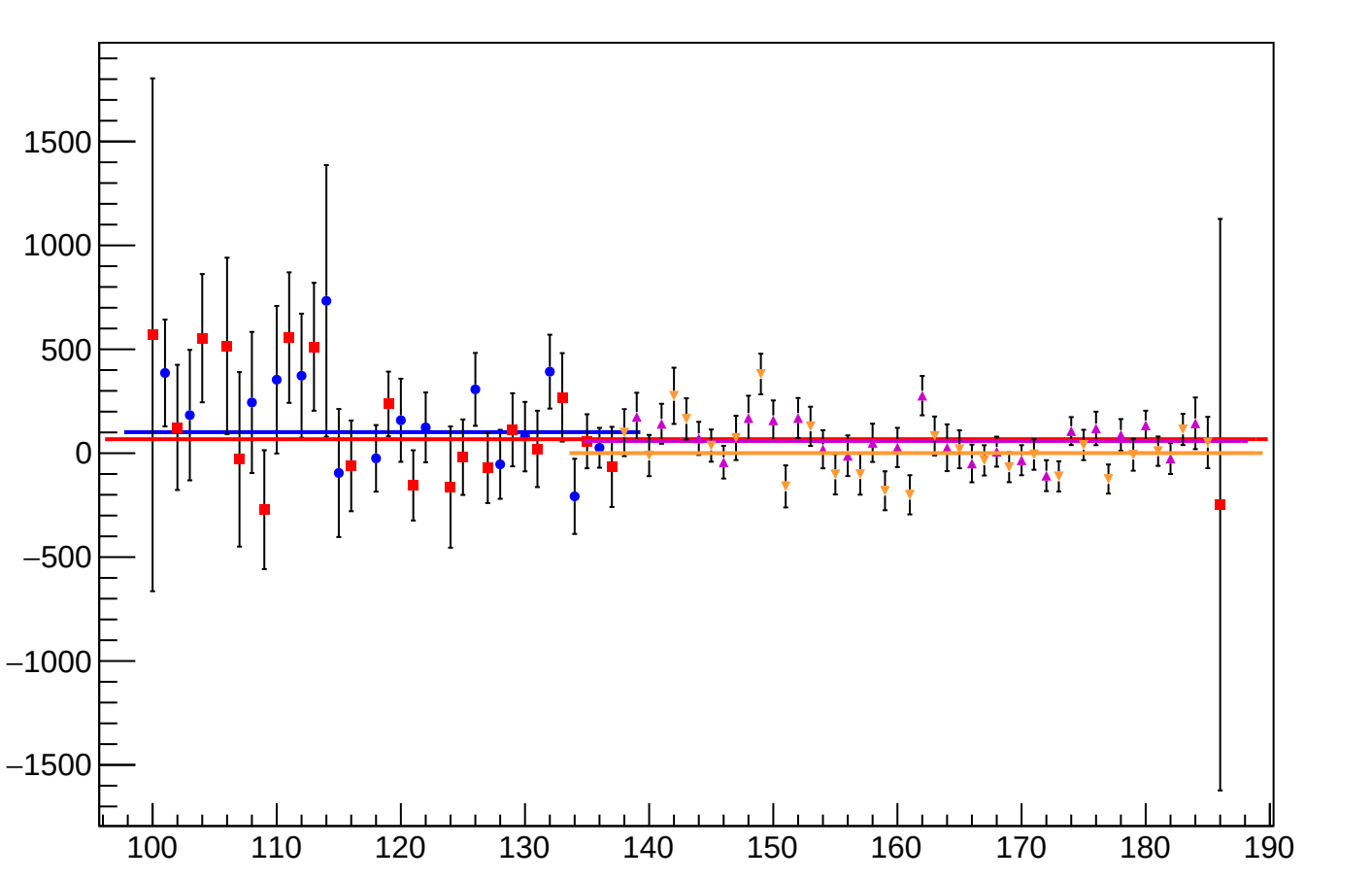
Right: -355.703+/-351.598 χ^2/NDF: 40.4/35

In: -47.228+/-105.047 χ^2/NDF:55.3/38

Out: -251.976+/-103.124 χ^2/NDF:74.1/44

All: -151.494+/-73.590 χ^2/NDF: 131.4/83


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 441.128+/-0.074 χ²/NDF:3234629.2/24
Right Out: 1349.501+/-0.366 χ²/NDF: 2167925.0/19
Left In: 441.196+/-0.076 χ²/NDF:2682075.8/22
Left: 441.161+/-0.053 χ²/NDF: 5916705.4/47
Right: 1262.490+/-0.249 χ²/NDF: 4317323.6/35
In: 477.131+/-0.074 χ²/NDF:9356969.0/38
Out: 477.152+/-0.073 χ²/NDF:11312658.5/44
All: 477.142+/-0.052 χ²/NDF: 20669627.5/83



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

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

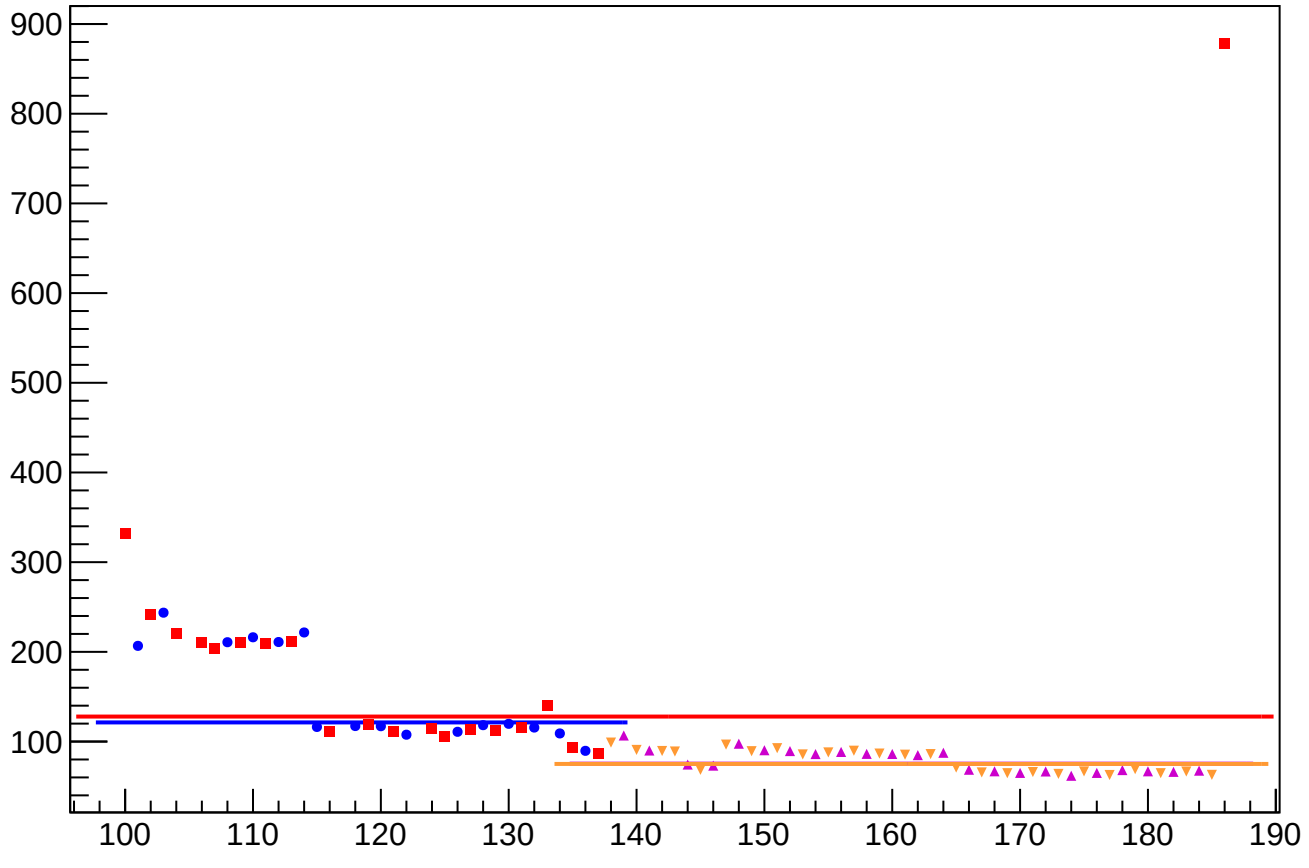
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 85.045+/-34.255 χ^2/NDF: 29.7/35

In: 64.158+/-16.739 χ^2/NDF:39.9/38

Out: 7.945+/-16.340 χ^2/NDF:66.4/44

All: 35.375+/-11.693 χ^2/NDF: 112.0/83



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

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

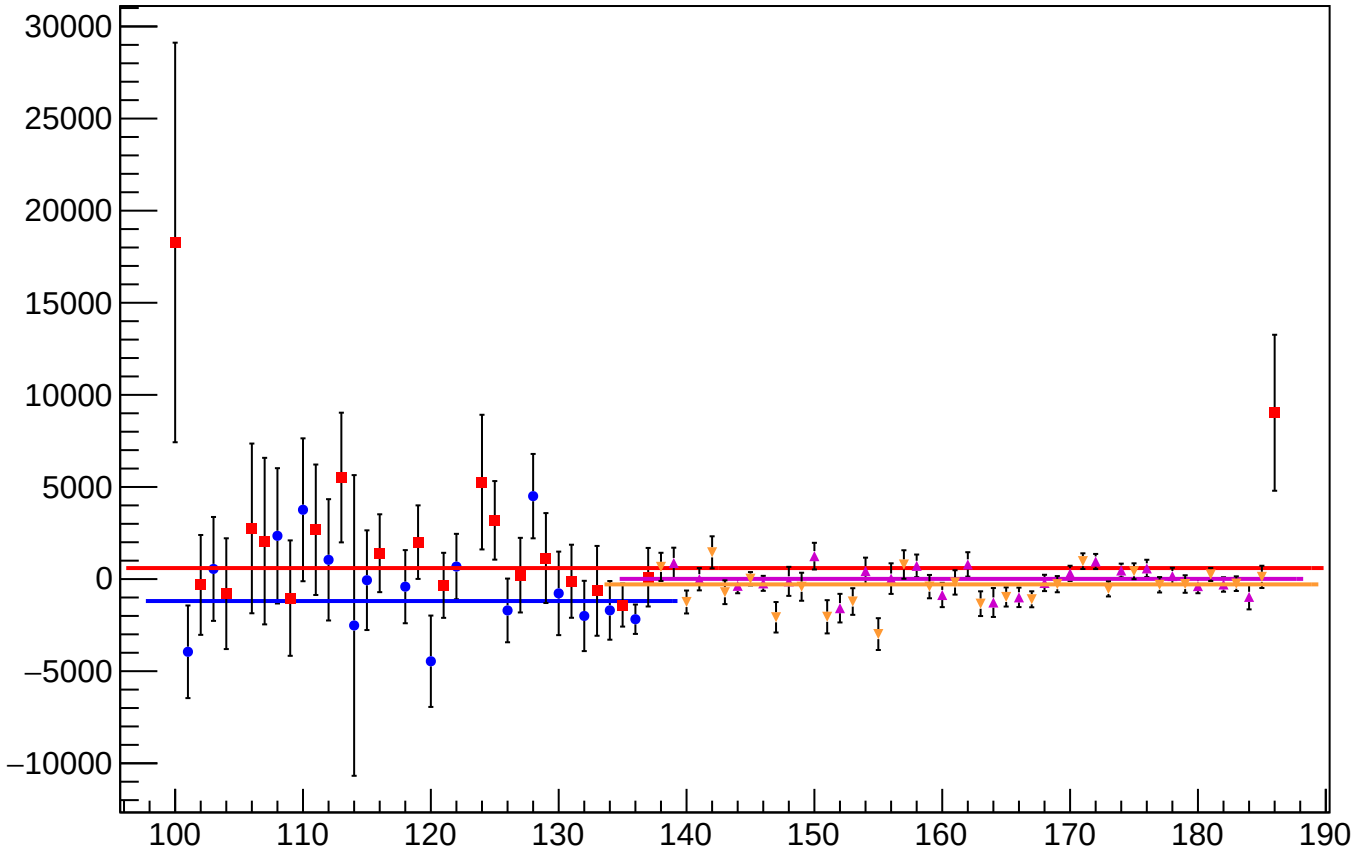
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 124.481+/-0.024 χ^2/NDF: 3366608.3/35

In: 81.030+/-0.012 χ^2/NDF:3757420.0/38

Out: 80.844+/-0.012 χ^2/NDF:5033492.3/44

All: 80.935+/-0.008 χ^2/NDF: 8791038.4/83



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

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

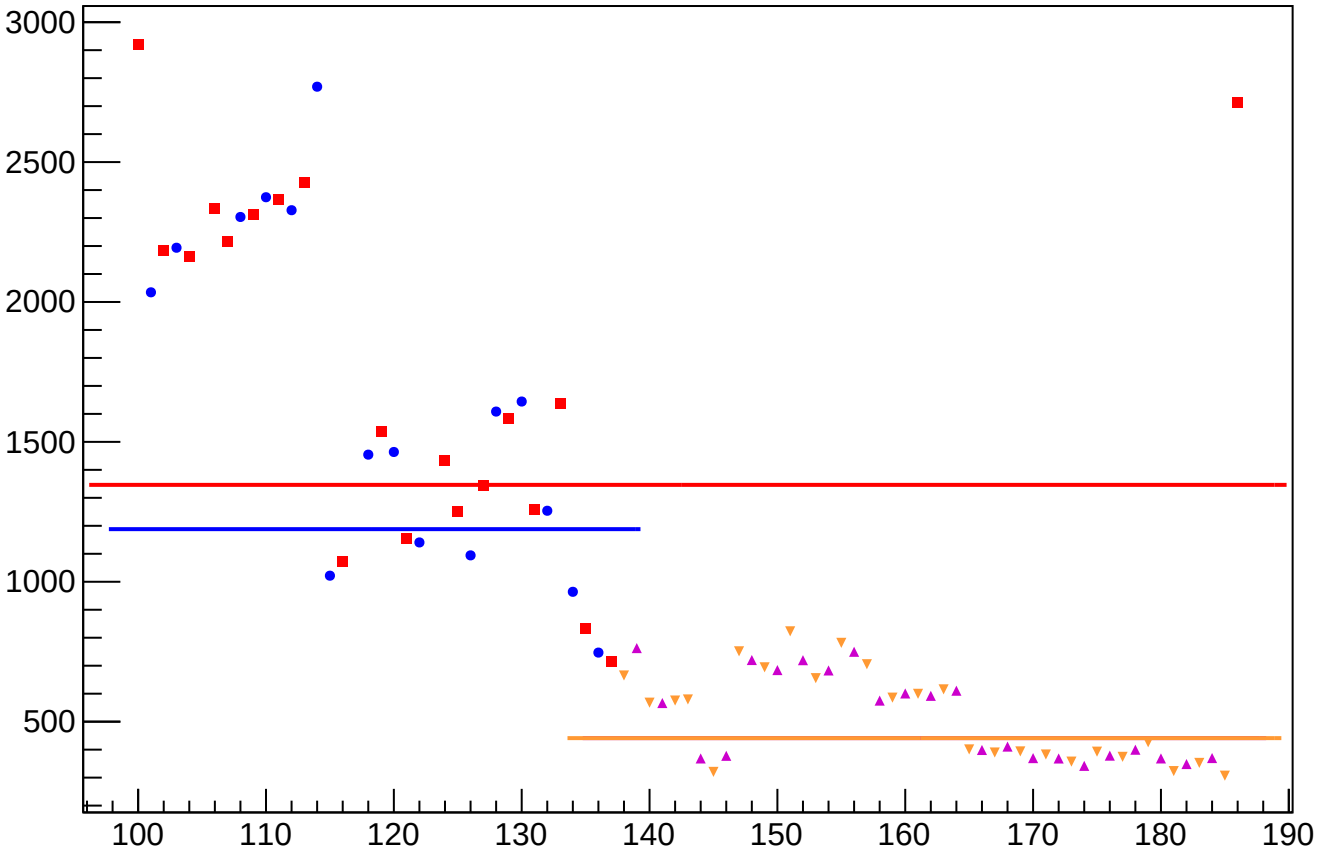
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -367.646+/-351.735 χ^2/NDF: 39.8/35

In: -47.226+/-105.047 χ^2/NDF:55.3/38

Out: -252.997+/-103.127 χ^2/NDF:73.5/44

All: -152.009+/-73.591 χ^2/NDF: 130.8/83



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

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

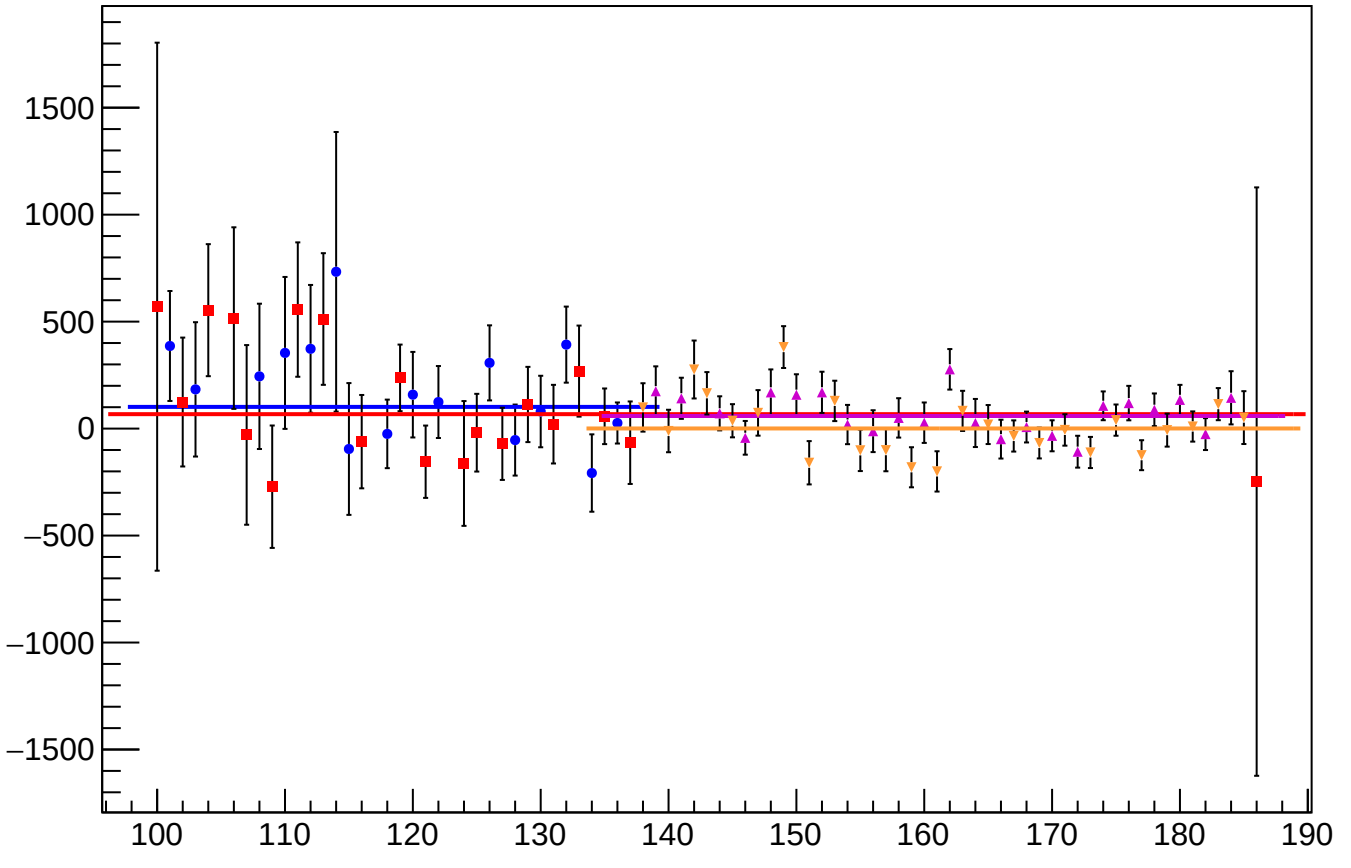
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1260.963+/-0.249 χ^2/NDF: 4277402.2/35

In: 477.131+/-0.074 χ^2/NDF:9356979.7/38

Out: 476.969+/-0.073 χ^2/NDF:11226190.2/44

All: 477.048+/-0.052 χ^2/NDF: 20583172.3/83



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

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

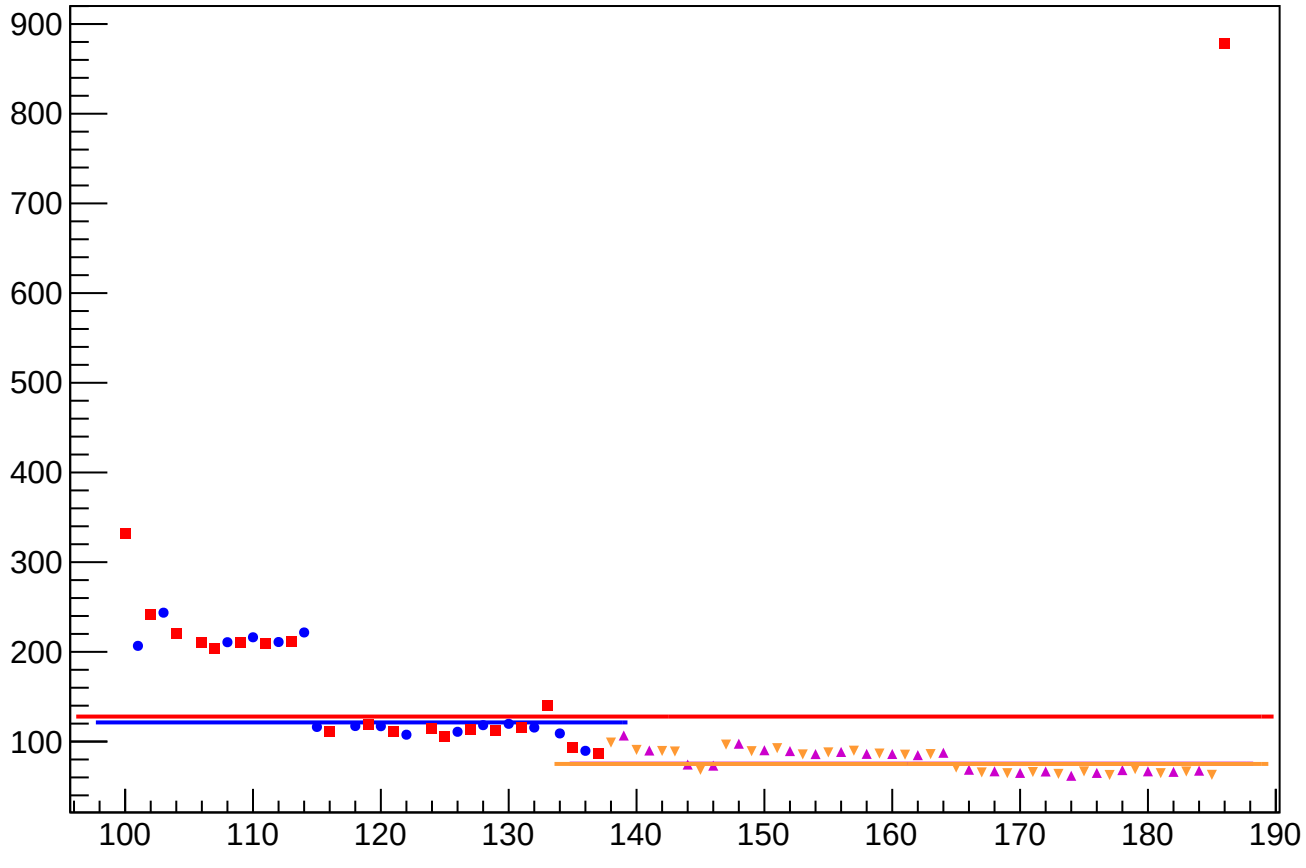
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 85.045+/-34.255 χ^2/NDF: 29.7/35

In: 64.158+/-16.739 χ^2/NDF:39.9/38

Out: 7.945+/-16.340 χ^2/NDF:66.4/44

All: 35.375+/-11.693 χ^2/NDF: 112.0/83



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

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

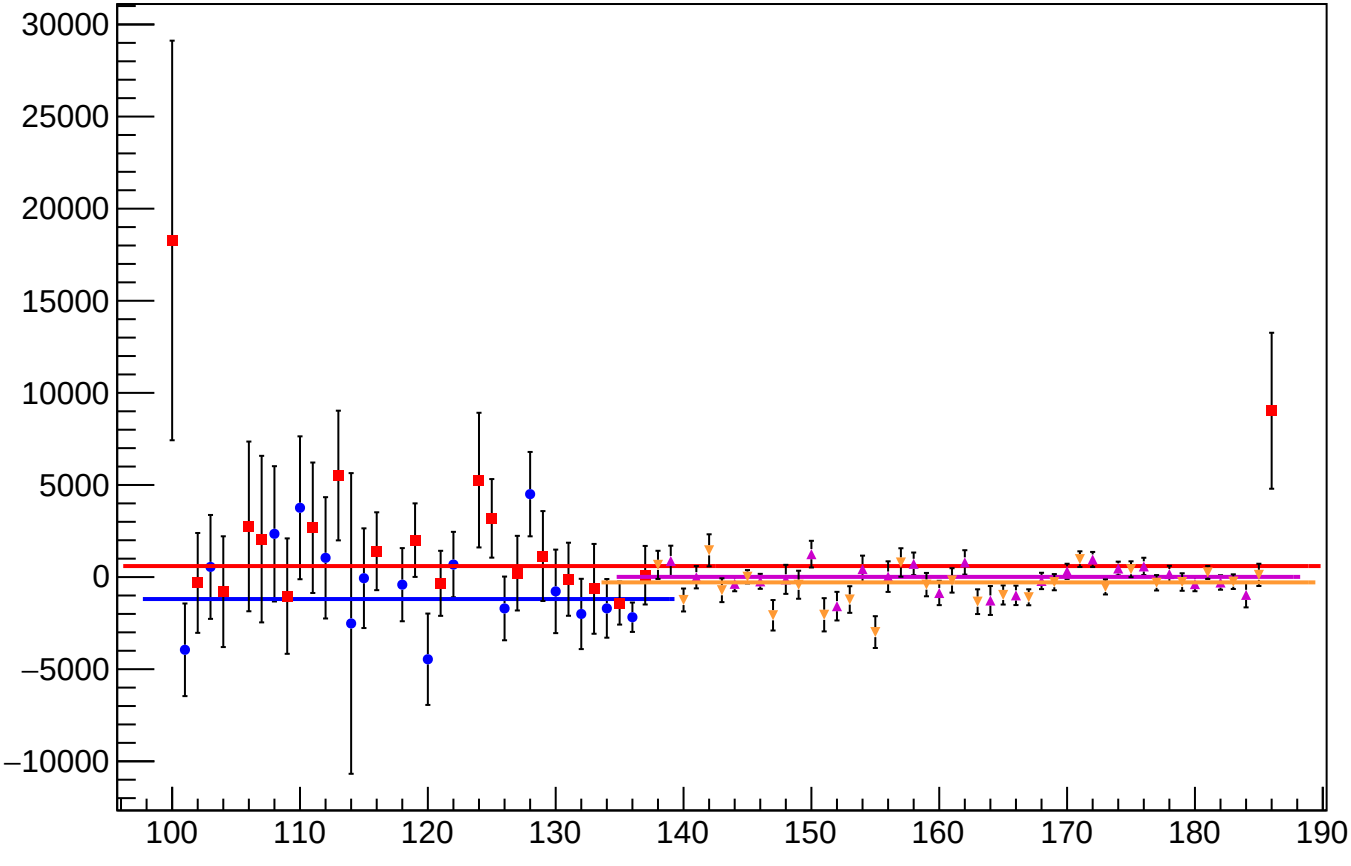
Right: 124.481+/-0.024 χ^2/NDF: 3366608.3/35

In: 81.030+/-0.012 χ^2/NDF:3757420.0/38

Out: 80.844+/-0.012 χ^2/NDF:5033492.3/44

All: 80.935+/-0.008 χ^2/NDF: 8791038.4/83

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -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

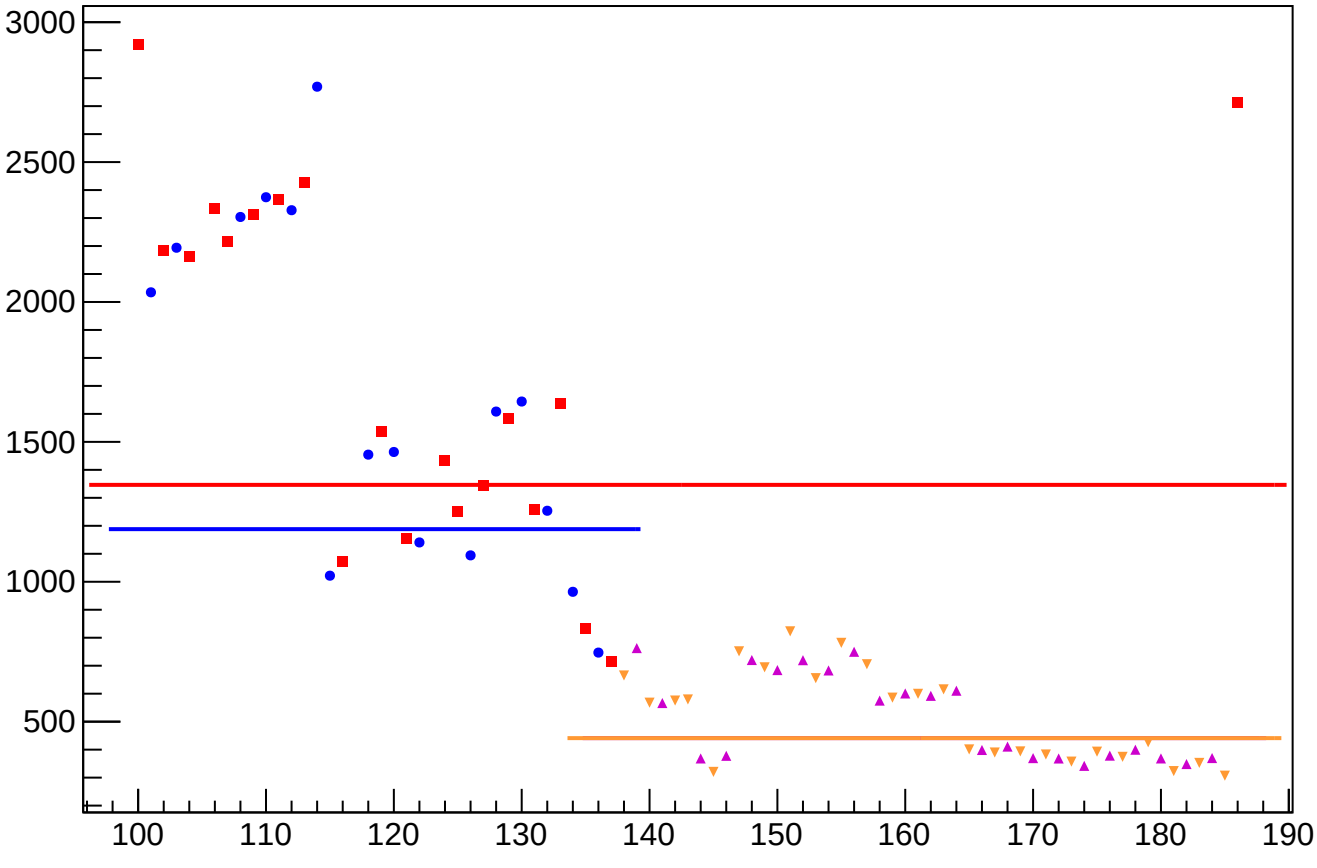
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -367.646+/-351.735 χ^2/NDF: 39.8/35

In: -47.226+/-105.047 χ^2/NDF:55.3/38

Out: -252.997+/-103.127 χ^2/NDF:73.5/44

All: -152.009+/-73.591 χ^2/NDF: 130.8/83


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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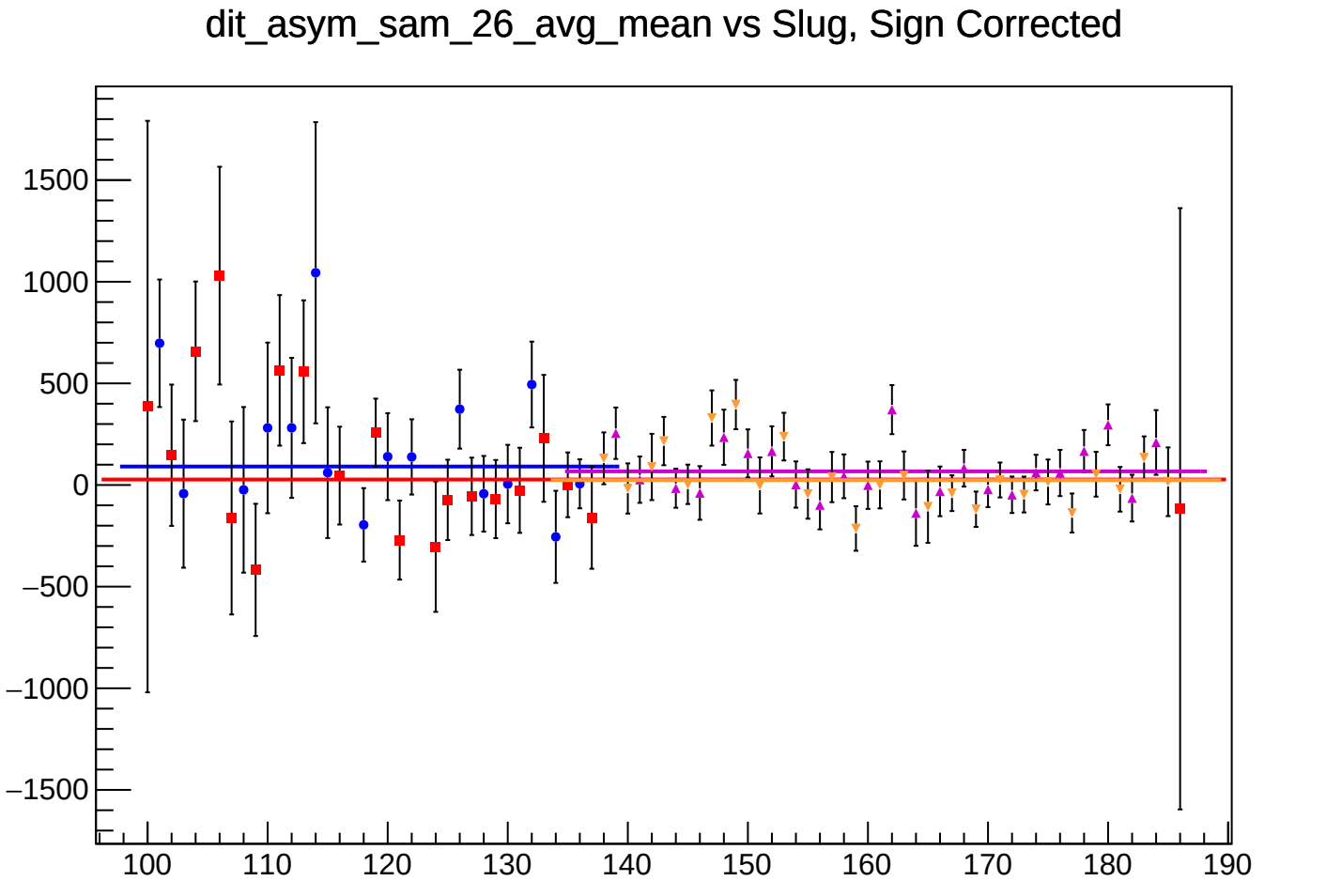
170
180
190
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 441.128+/-0.074 χ²/NDF:3234622.5/24
Right Out: 1346.333+/-0.366 χ²/NDF: 2132136.5/19
Left In: 441.196+/-0.076 χ²/NDF:2682073.9/22
Left: 441.162+/-0.053 χ²/NDF: 5916696.8/47
Right: 1260.963+/-0.249 χ²/NDF: 4277402.2/35
In: 477.131+/-0.074 χ²/NDF:9356979.7/38
Out: 476.969+/-0.073 χ²/NDF:11226190.2/44
All: 477.048+/-0.052 χ²/NDF: 20583172.3/83



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

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

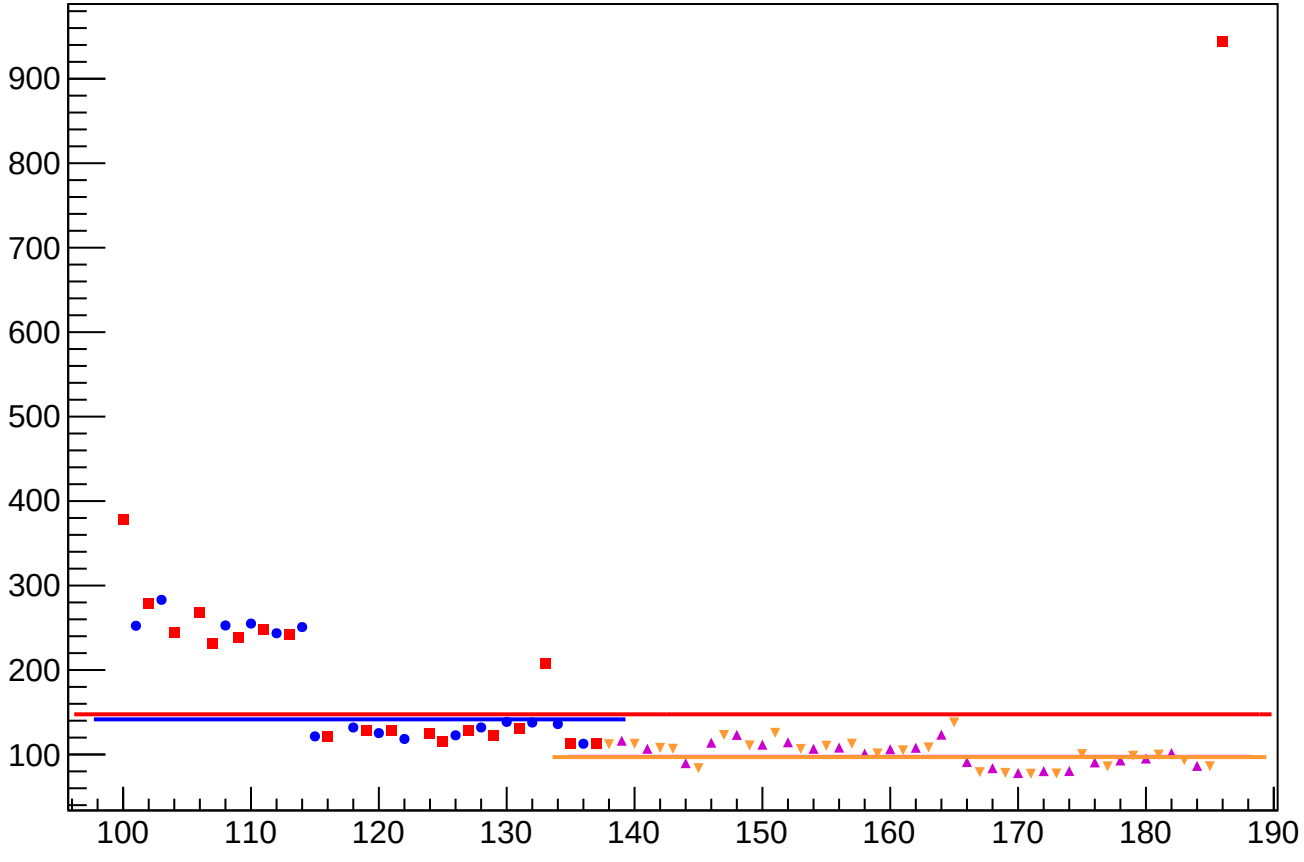
Right: 59.732+/-39.779 χ^2/NDF: 39.3/35

In: 70.602+/-21.347 χ^2/NDF:46.9/38

Out: 24.287+/-20.858 χ^2/NDF:55.7/44

All: 46.908+/-14.919 χ^2/NDF: 105.0/83

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

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

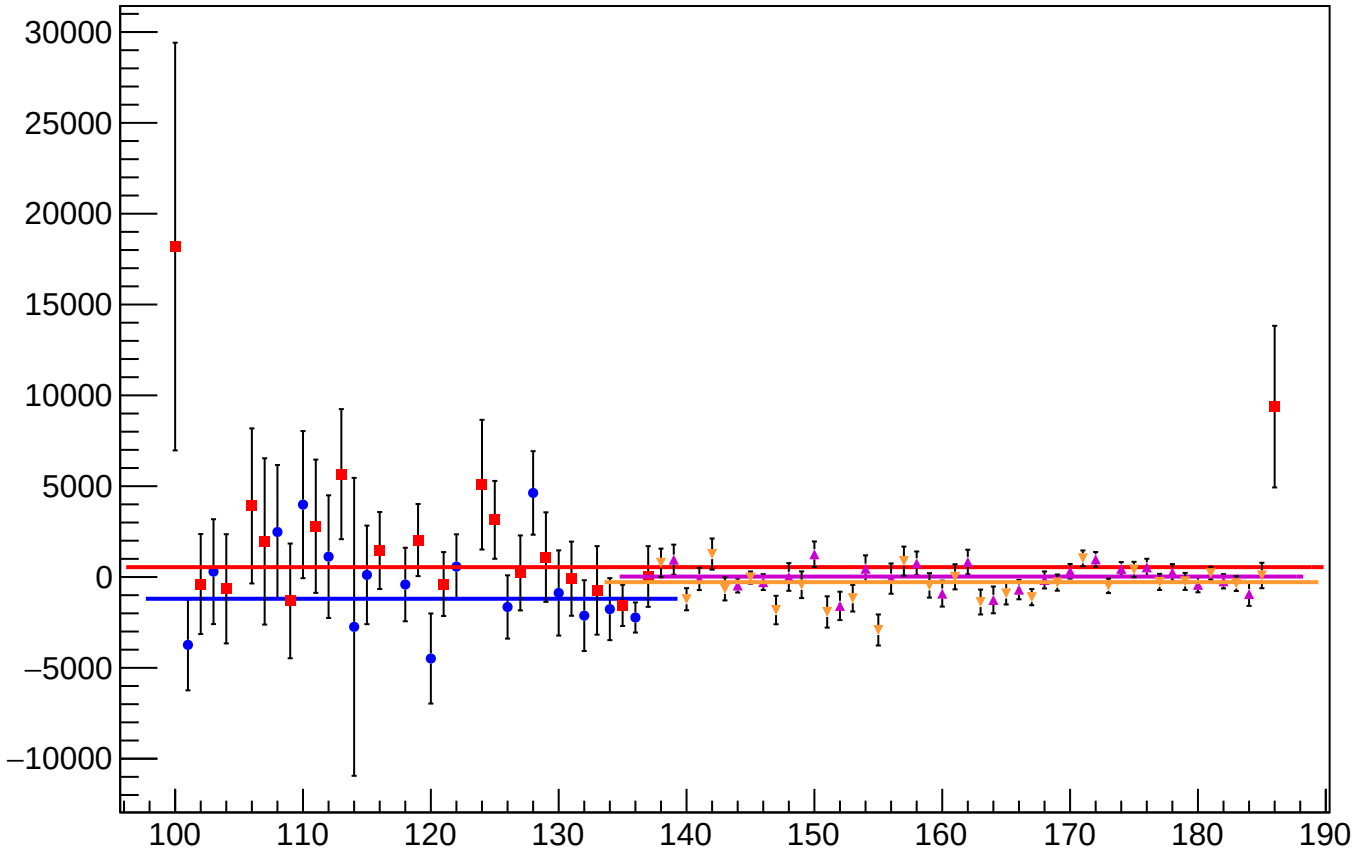
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 144.495+/-0.028 χ^2/NDF: 3368158.3/35

In: 103.723+/-0.015 χ^2/NDF:3026433.2/38

Out: 103.695+/-0.015 χ^2/NDF:4397099.8/44

All: 103.709+/-0.011 χ^2/NDF: 7423534.8/83



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

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

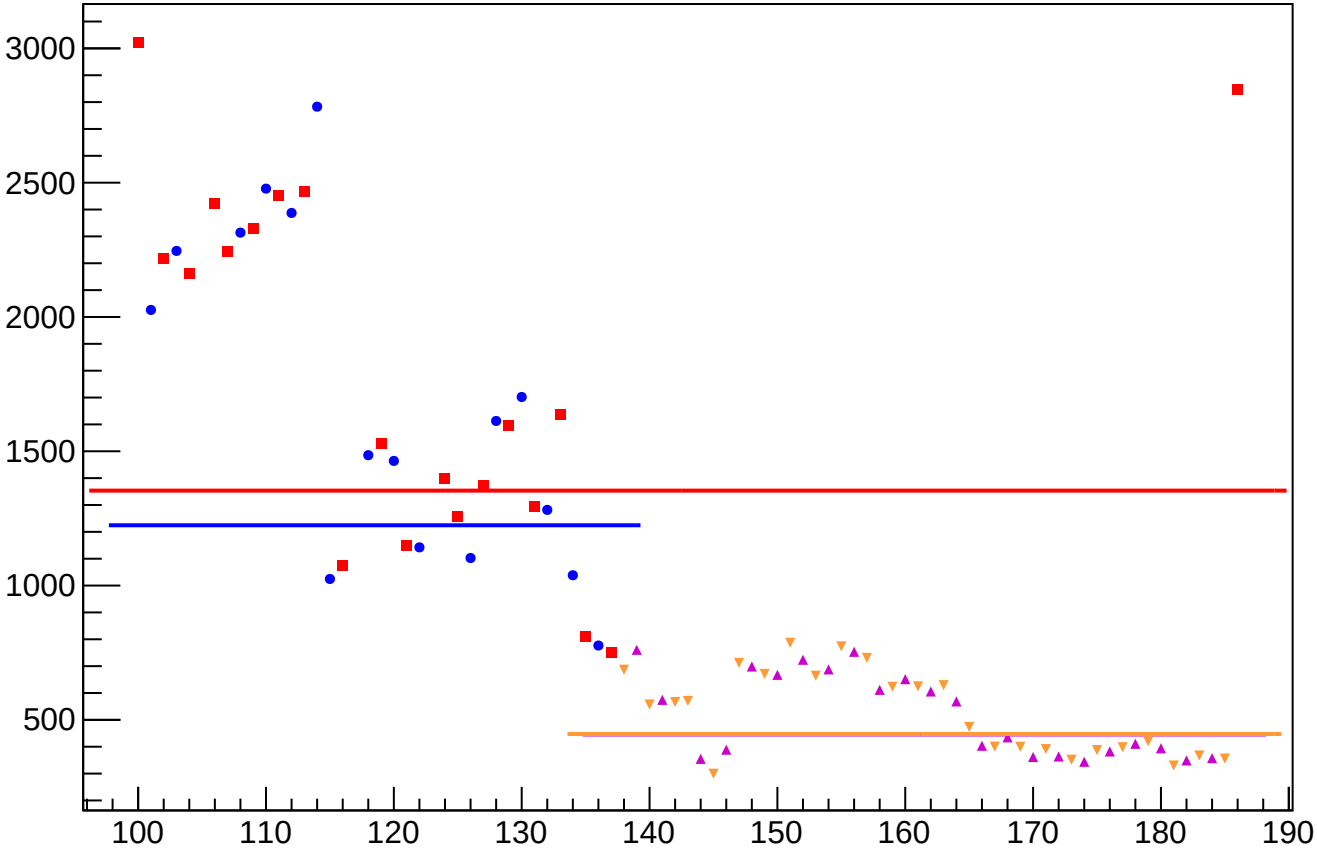
Right: -375.637+/-357.227 χ^2/NDF: 40.2/35

In: -32.533+/-106.305 χ^2/NDF:54.8/38

Out: -249.219+/-104.237 χ^2/NDF:71.1/44

All: -143.005+/-74.427 χ^2/NDF: 128.0/83

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

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

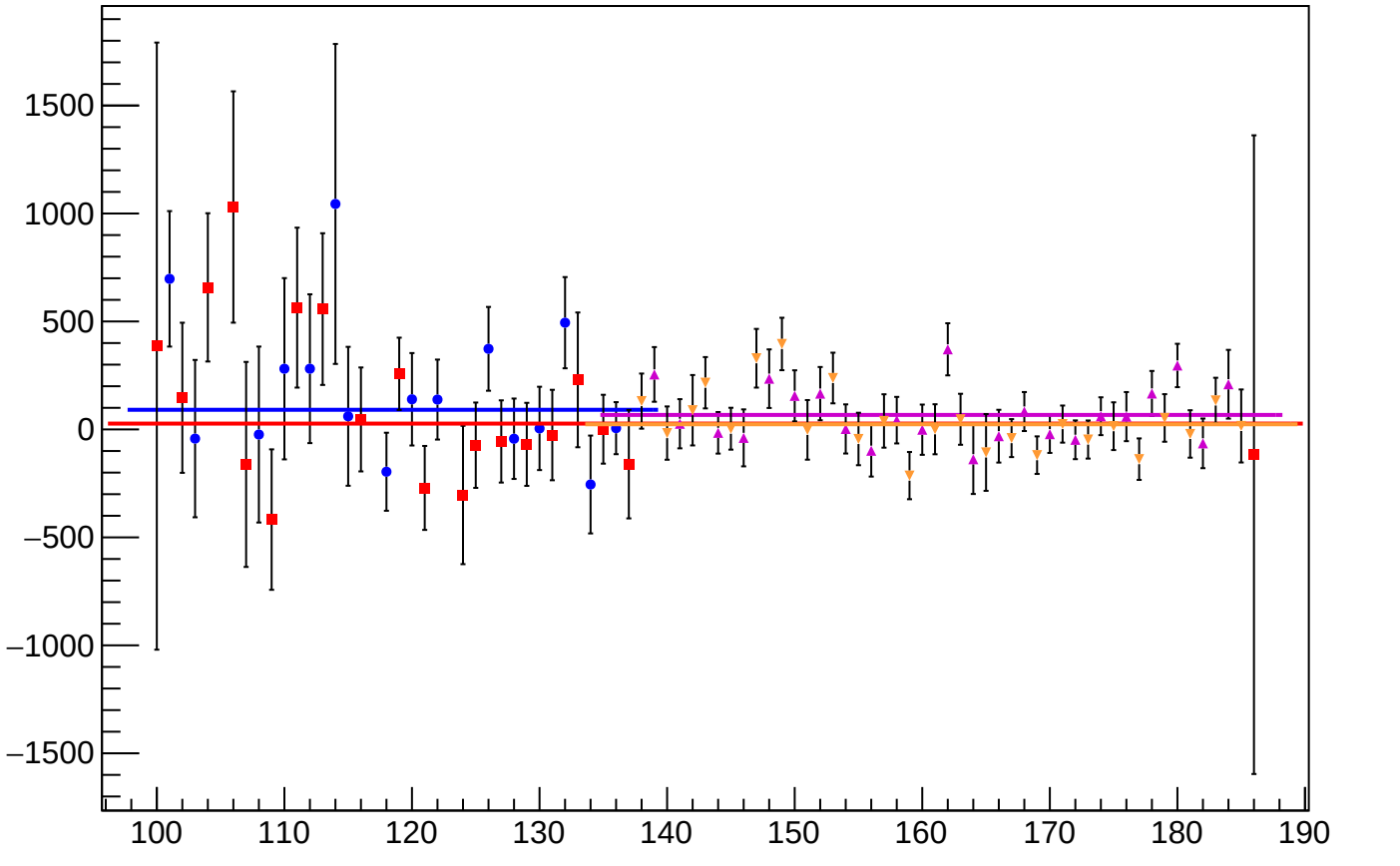
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1285.304+/-0.253 χ^2/NDF: 4247726.3/35

In: 481.949+/-0.075 χ^2/NDF:9463616.0/38

Out: 483.761+/-0.074 χ^2/NDF:11244644.5/44

All: 482.873+/-0.053 χ^2/NDF: 20708556.9/83



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

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

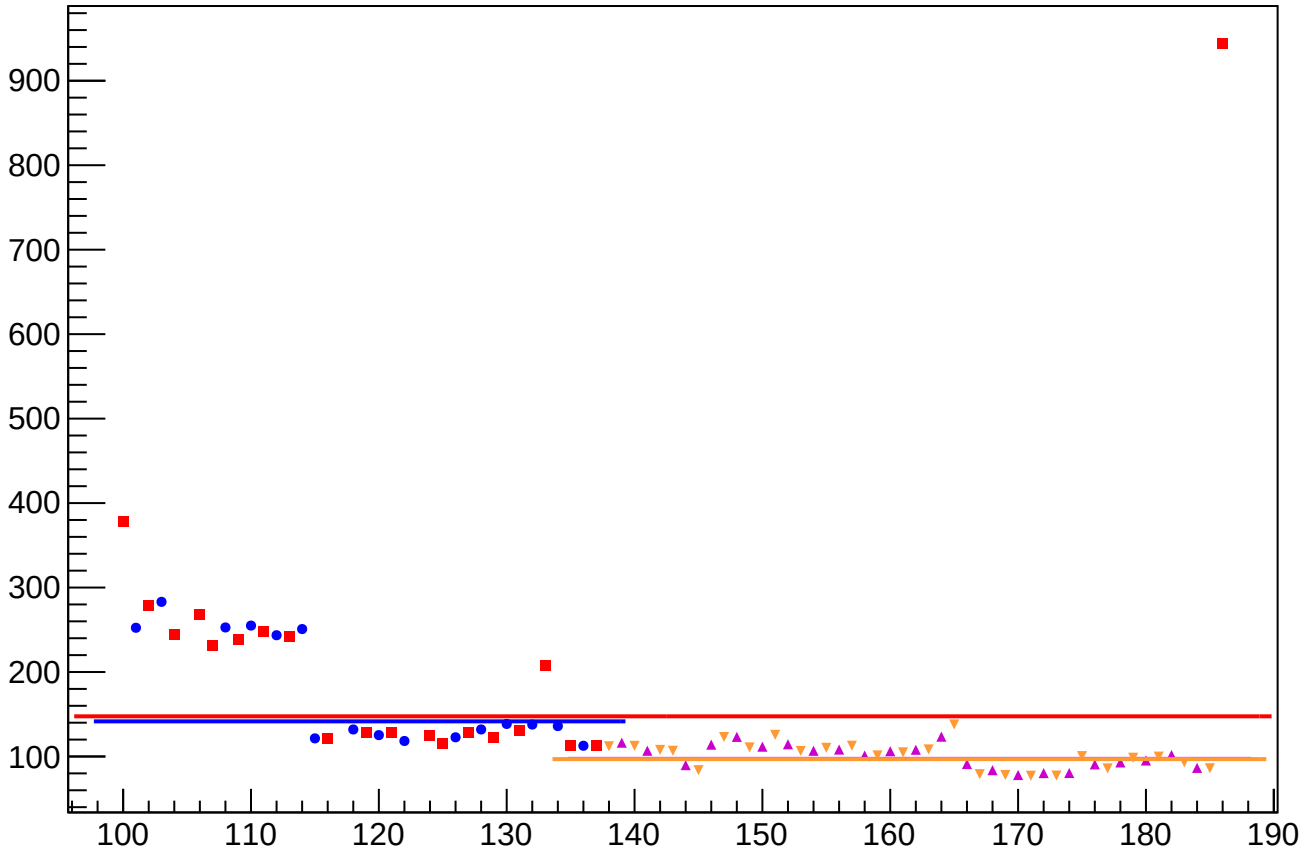
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 59.734+/-39.779 χ^2/NDF: 39.3/35

In: 70.602+/-21.347 χ^2/NDF:46.9/38

Out: 24.285+/-20.858 χ^2/NDF:55.7/44

All: 46.907+/-14.919 χ^2/NDF: 105.0/83



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

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

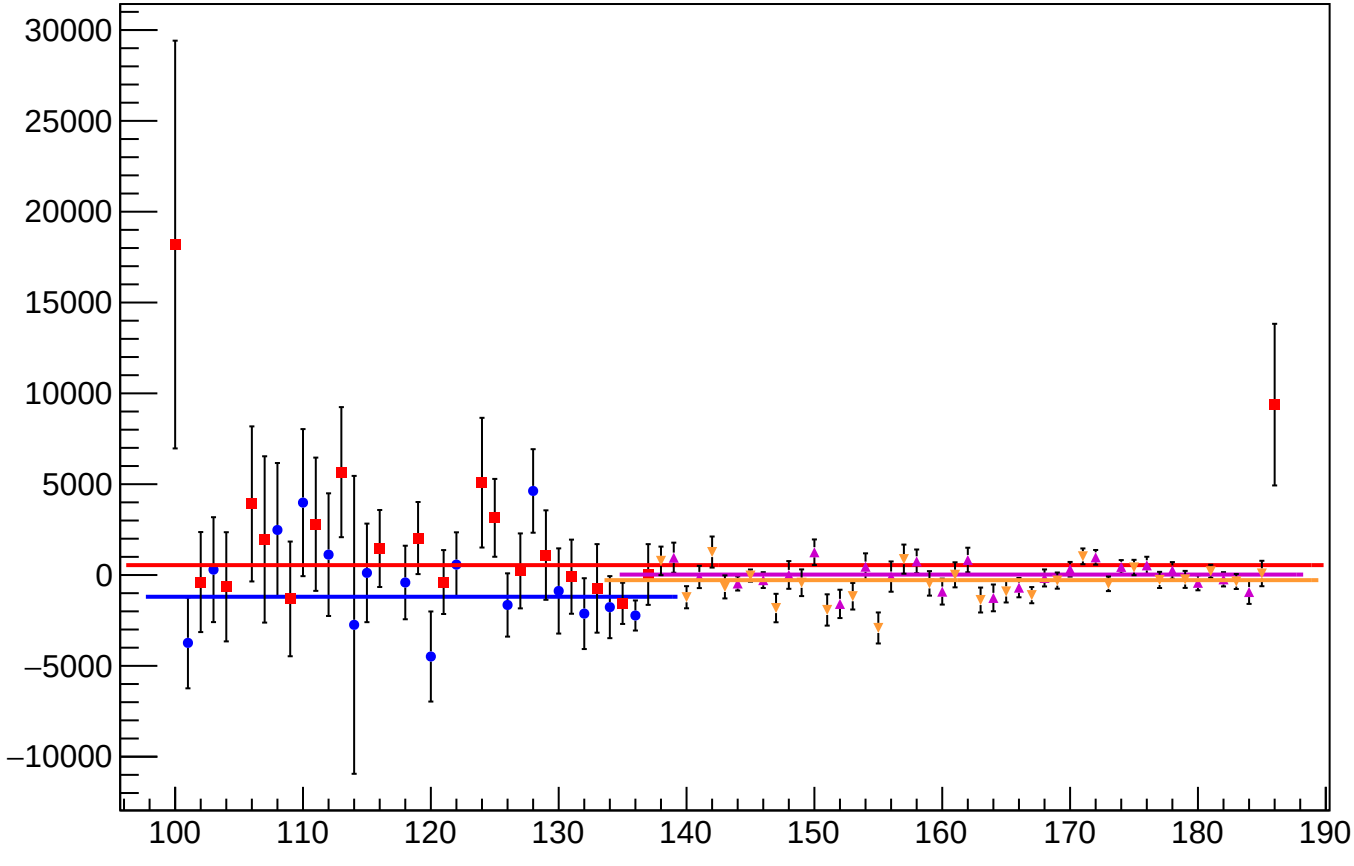
Right: 144.494+/-0.028 χ^2/NDF: 3368128.9/35

In: 103.724+/-0.015 χ^2/NDF:3026364.8/38

Out: 103.695+/-0.015 χ^2/NDF:4397055.4/44

All: 103.709+/-0.011 χ^2/NDF: 7423421.9/83

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -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

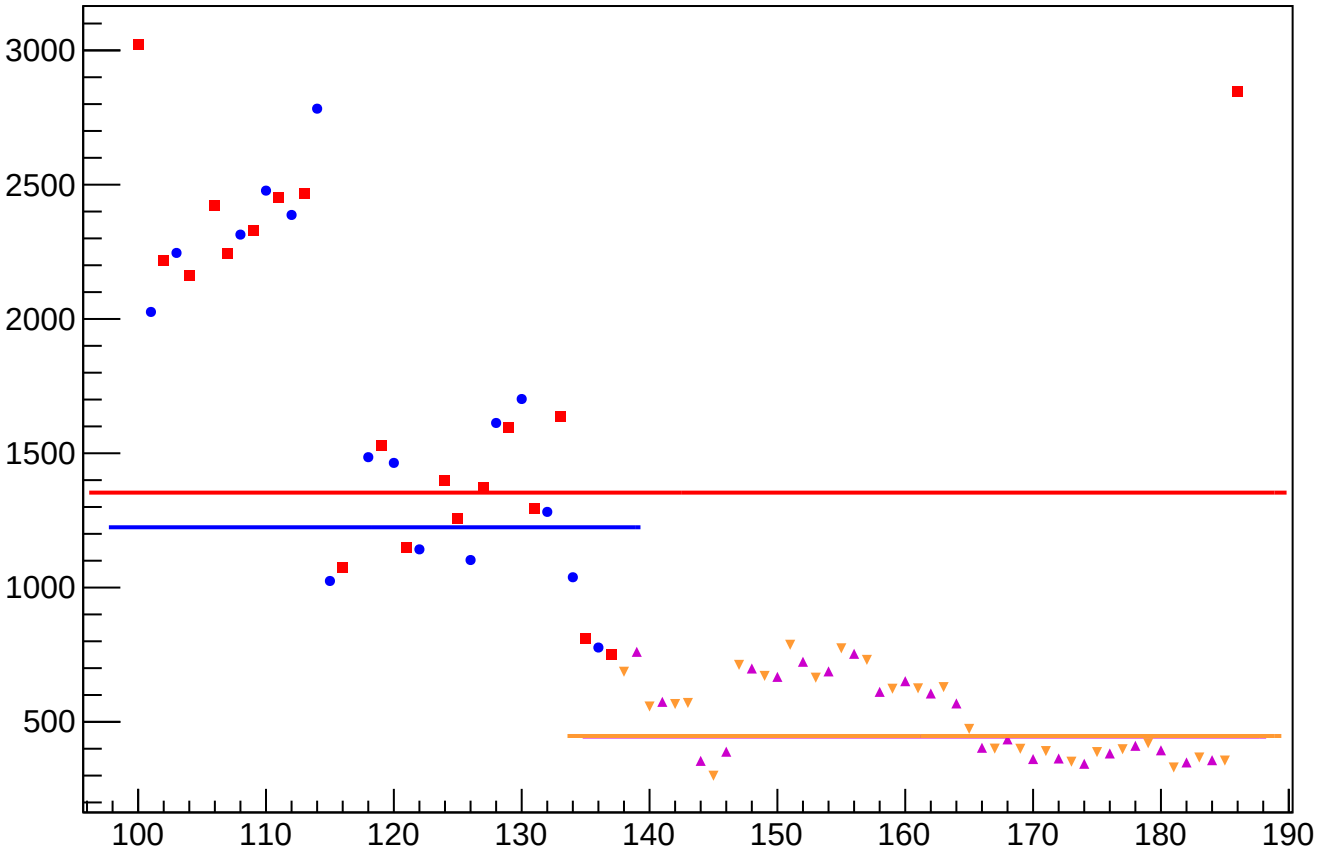
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

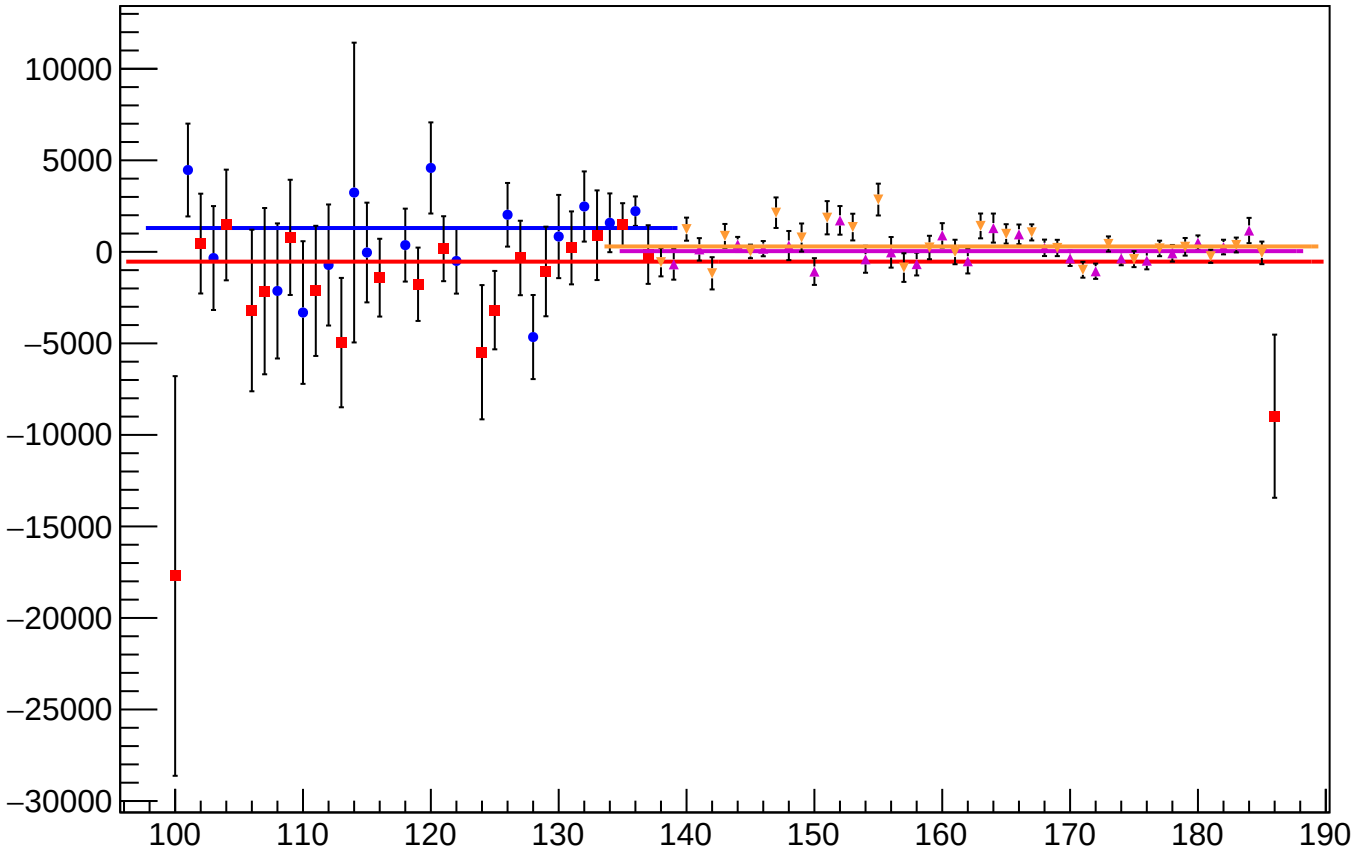
Right: -375.634+/-357.226 χ^2/NDF: 40.2/35

In: -32.533+/-106.305 χ^2/NDF:54.8/38

Out: -249.218+/-104.237 χ^2/NDF:71.1/44

All: -143.004+/-74.427 χ^2/NDF: 128.0/83


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 447.385+/-0.075 χ²/NDF:3197793.9/24
Right Out: 1353.491+/-0.368 χ²/NDF: 2223335.1/19
Left In: 445.491+/-0.077 χ²/NDF:2713303.9/22
Left: 446.460+/-0.054 χ²/NDF: 5911407.5/47
Right: 1285.303+/-0.253 χ²/NDF: 4247687.9/35
In: 481.949+/-0.075 χ²/NDF:9463612.9/38
Out: 483.761+/-0.074 χ²/NDF:11244659.0/44
All: 482.873+/-0.053 χ²/NDF: 20708568.3/83



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

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

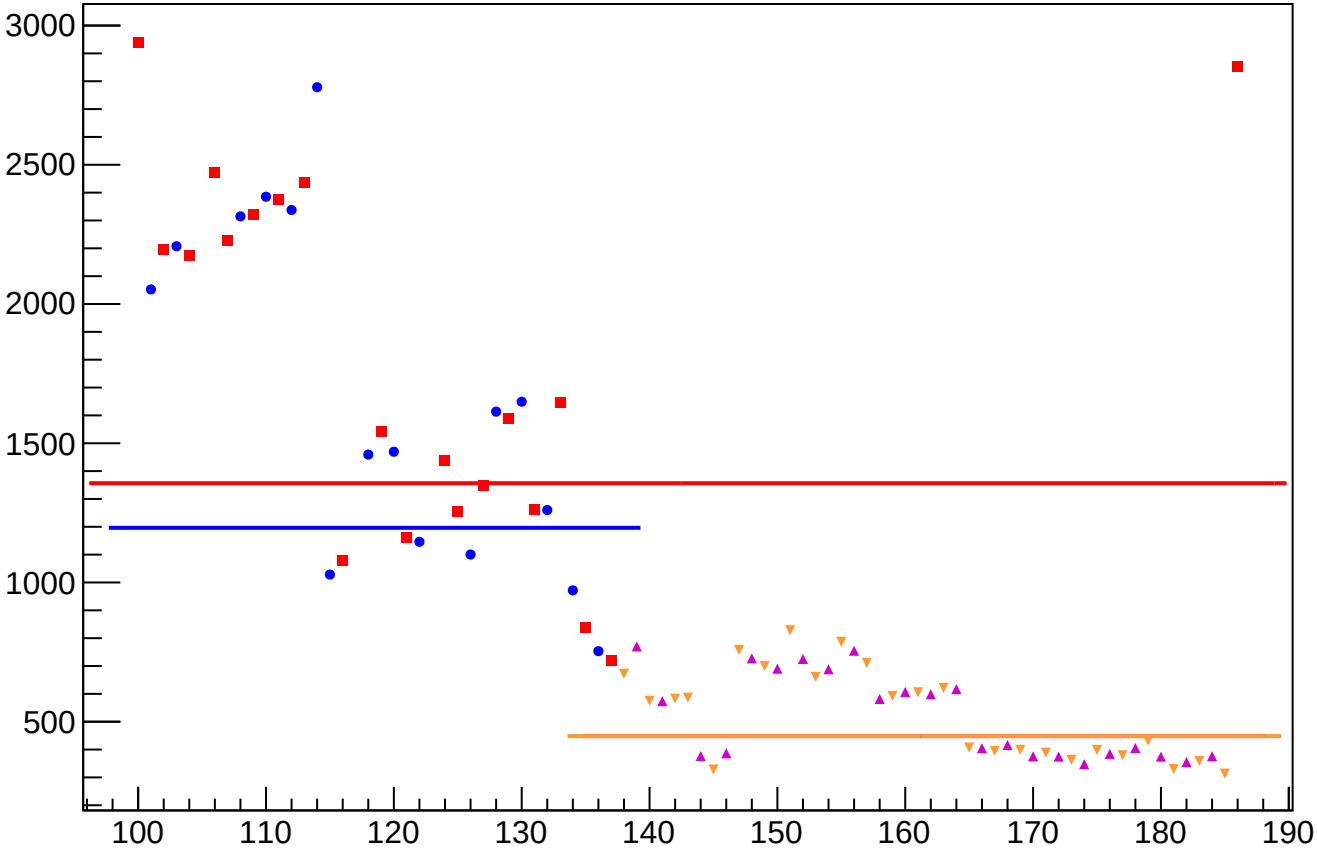
Right: 454.447+/-353.769 χ^2/NDF: 39.9/35

In: 99.928+/-106.608 χ^2/NDF:55.9/38

Out: 261.510+/-104.633 χ^2/NDF:69.6/44

All: 182.229+/-74.675 χ^2/NDF: 126.7/83

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

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

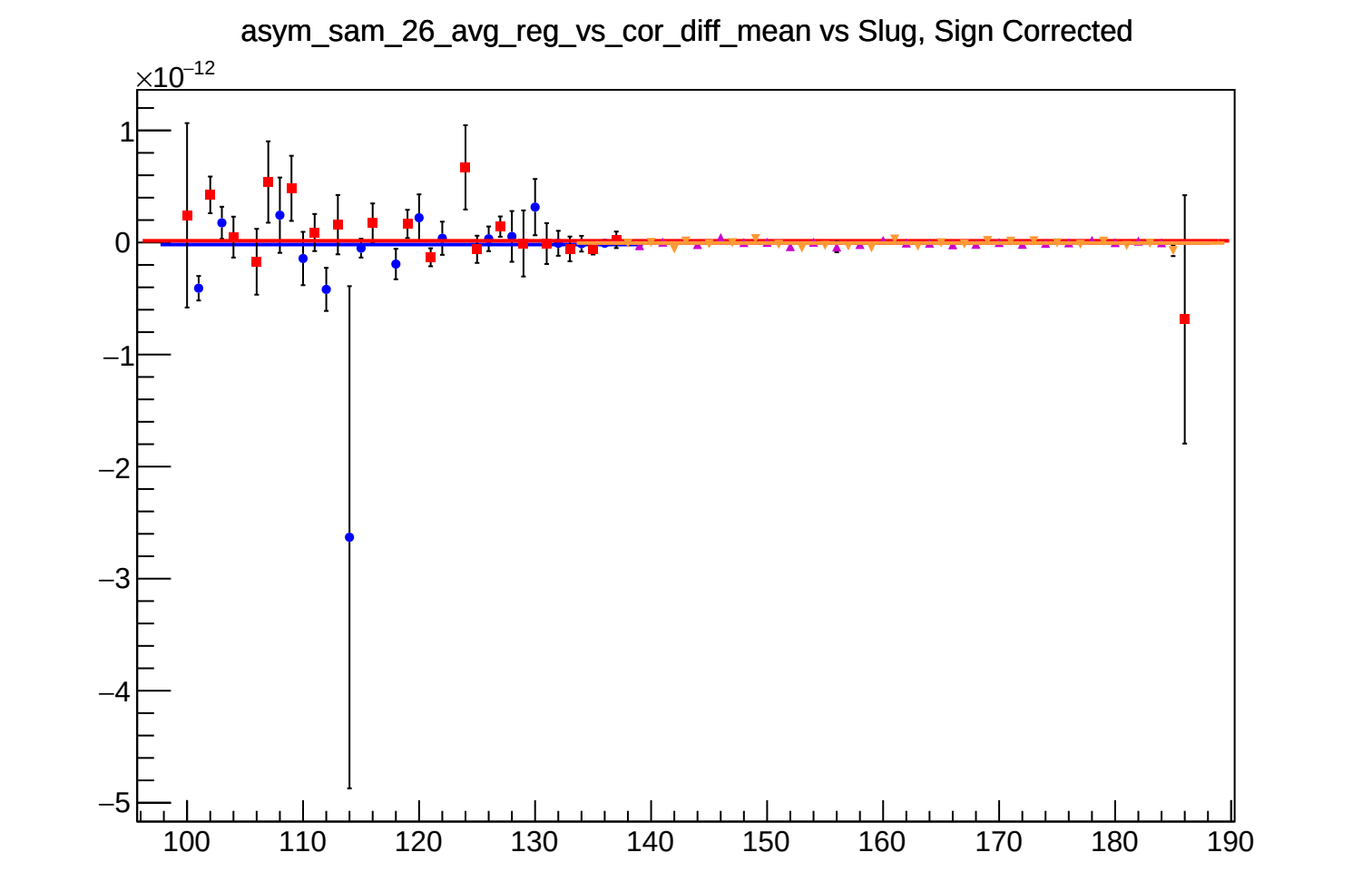
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1270.239+/-0.250 χ^2/NDF: 4314097.3/35

In: 484.993+/-0.075 χ^2/NDF:9233632.4/38

Out: 484.923+/-0.074 χ^2/NDF:11172356.3/44

All: 484.957+/-0.053 χ^2/NDF: 20405989.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

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

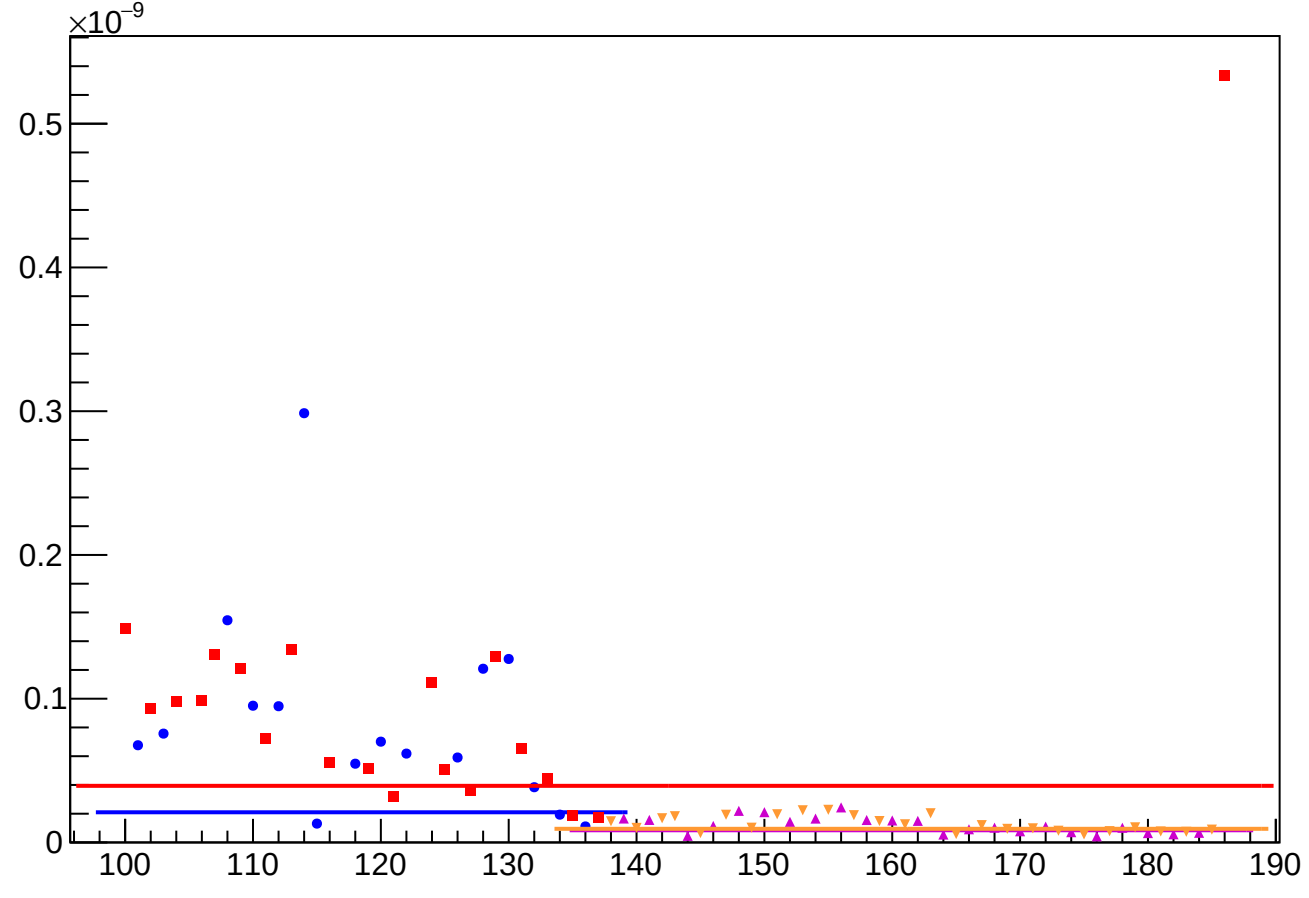
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/35

In: -0.000+/-0.000 χ^2/NDF:44.1/38

Out: -0.000+/-0.000 χ^2/NDF:49.7/44

All: -0.000+/-0.000 χ^2/NDF: 93.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

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

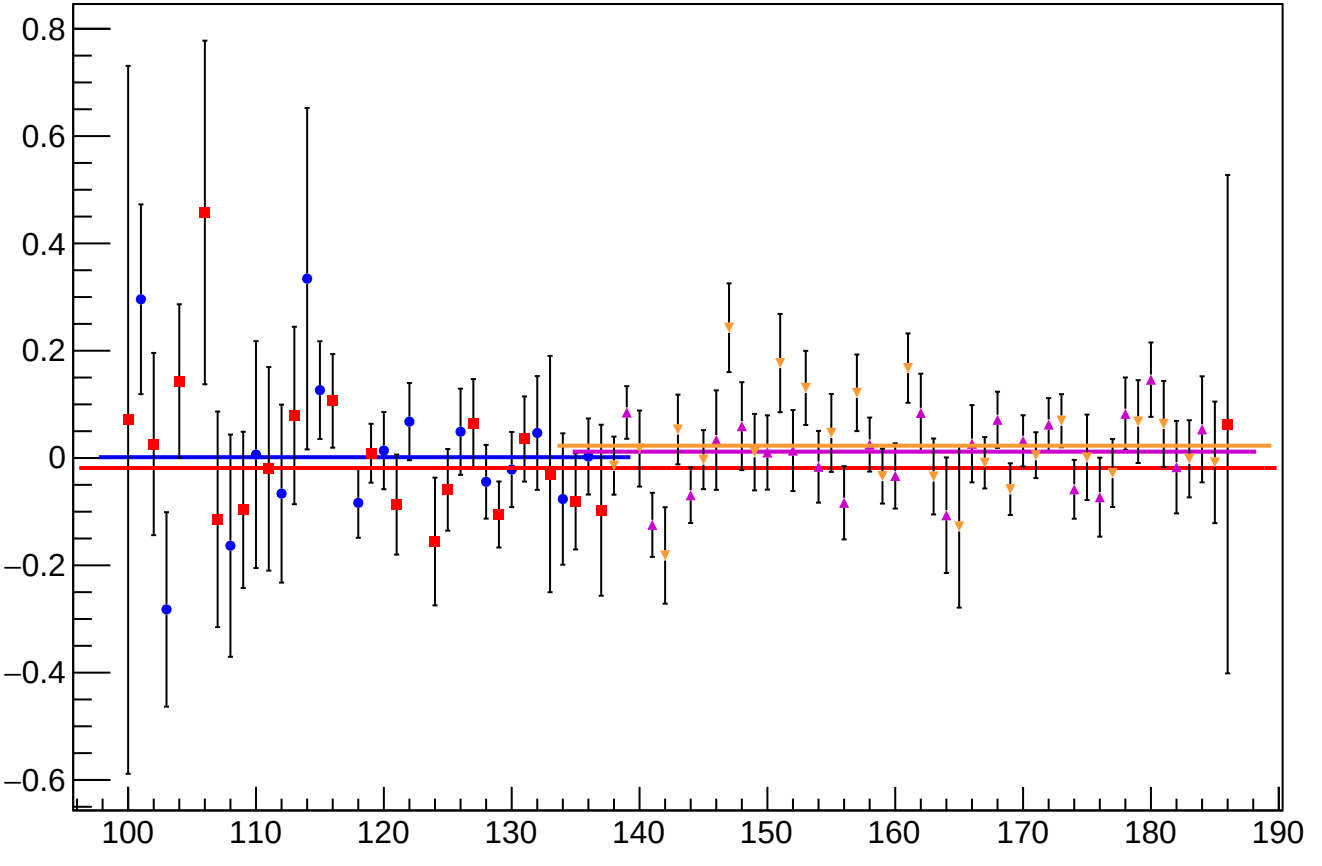
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6481562.9/35

In: 0.000+/-0.000 χ^2/NDF:7065485.8/38

Out: 0.000+/-0.000 χ^2/NDF:7199186.4/44

All: 0.000+/-0.000 χ^2/NDF: 14344113.2/83



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

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

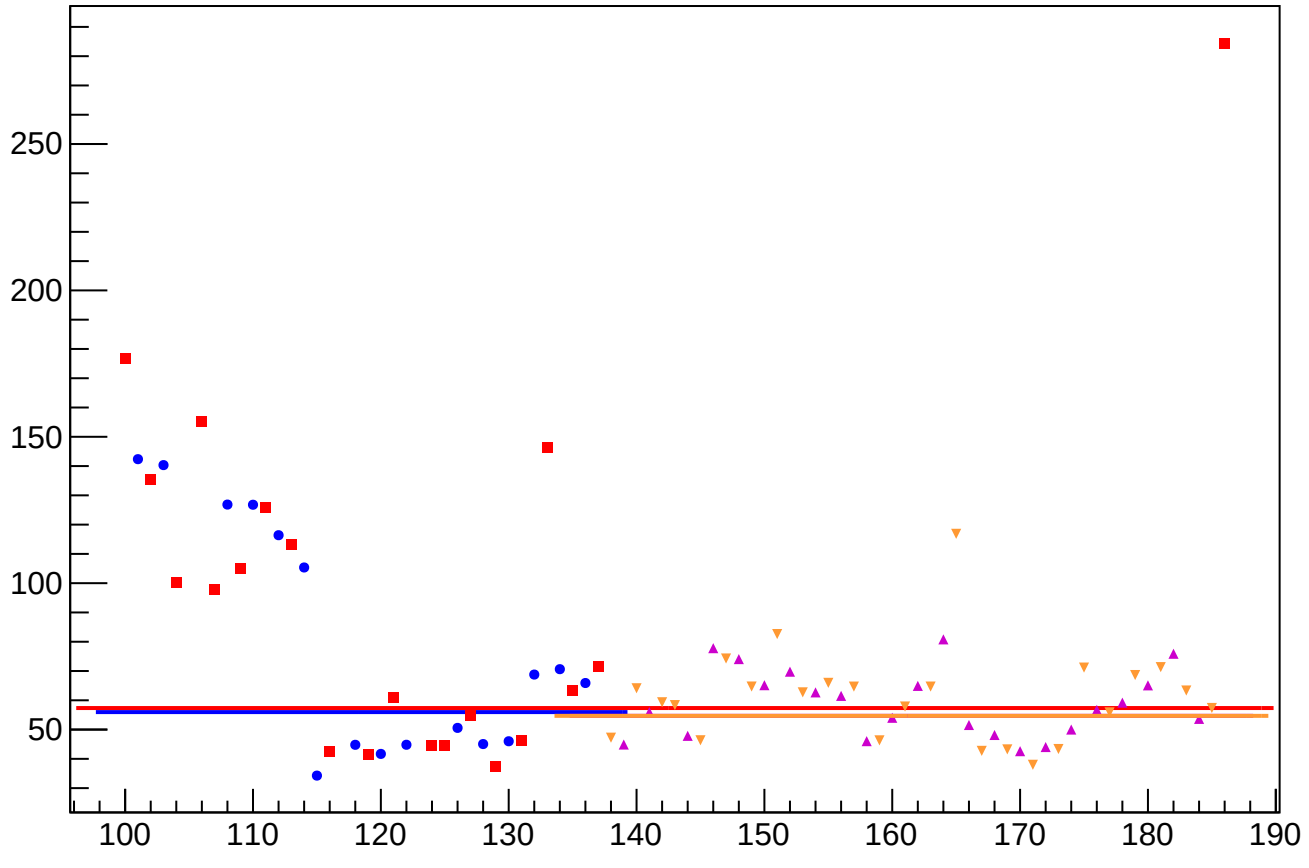
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.008+/-0.017 χ^2/NDF: 26.6/35

In: 0.009+/-0.012 χ^2/NDF:39.1/38

Out: 0.013+/-0.011 χ^2/NDF:49.7/44

All: 0.011+/-0.008 χ^2/NDF: 88.9/83



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

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

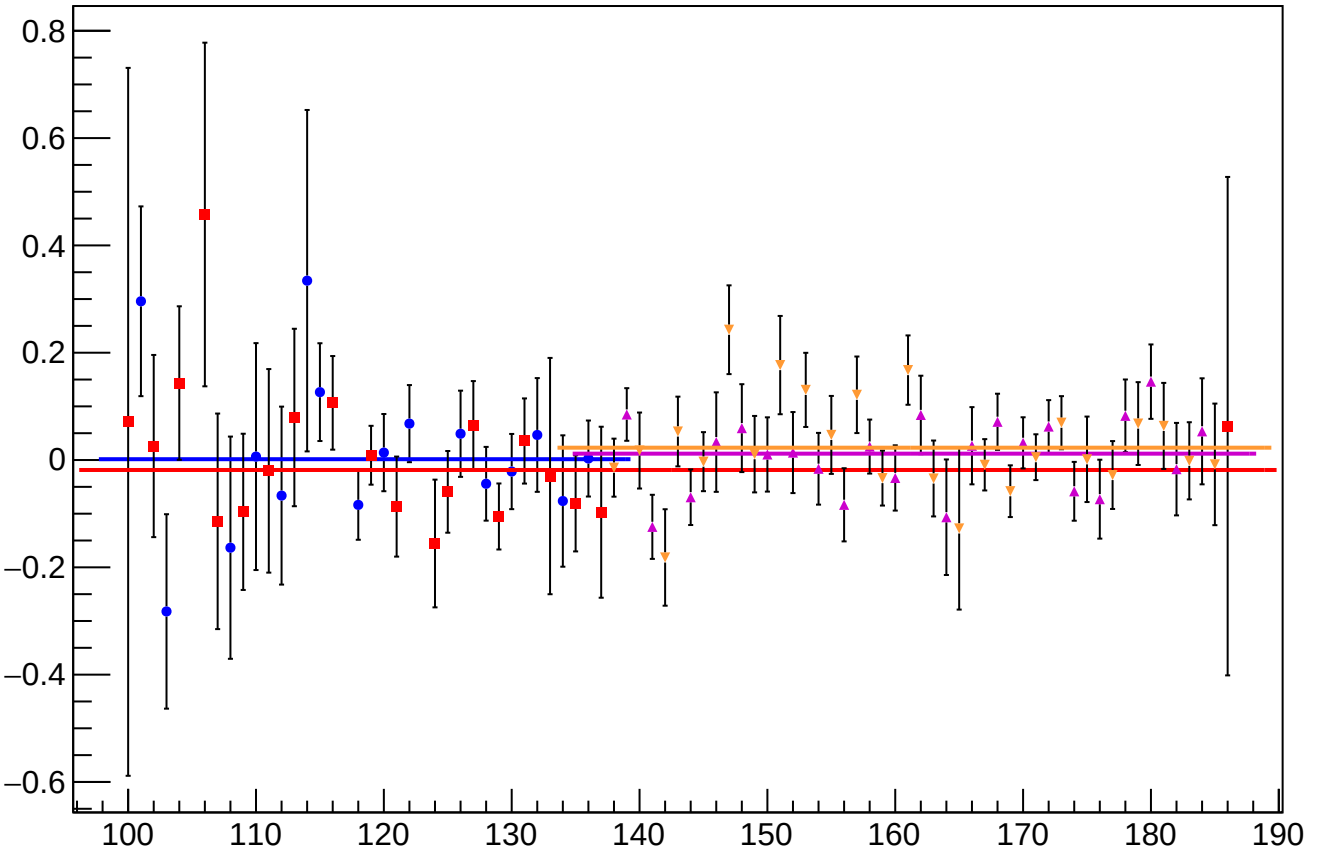
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

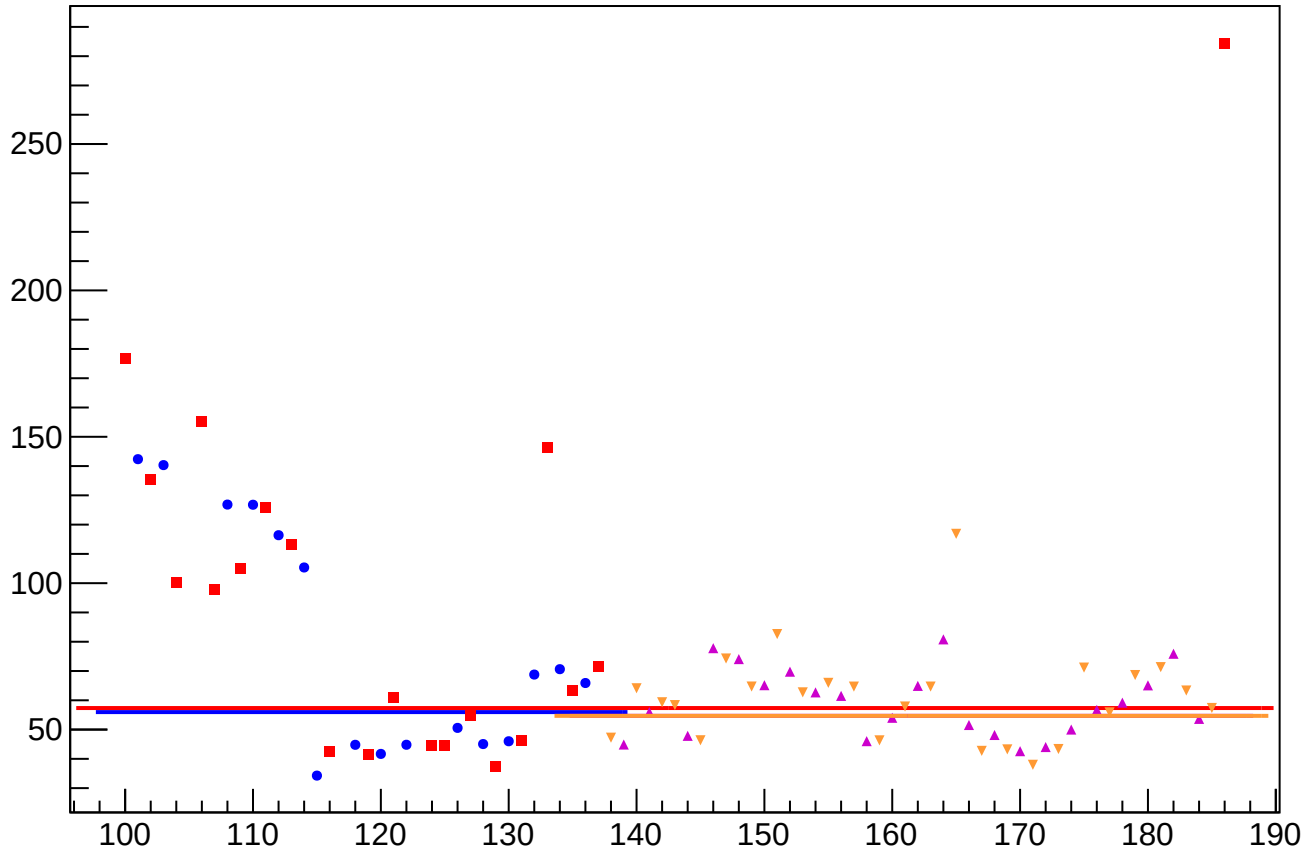
Right: 56.658+/-0.012 χ^2/NDF: 5215140.0/35

In: 54.999+/-0.008 χ^2/NDF:3375142.0/38

Out: 55.306+/-0.008 χ^2/NDF:4988167.2/44

All: 55.155+/-0.006 χ^2/NDF: 8364030.8/83


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
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: 26.6/35
In: 0.009+/-0.012 χ²/NDF:39.1/38
Out: 0.013+/-0.011 χ²/NDF:49.7/44
All: 0.011+/-0.008 χ²/NDF: 88.9/83



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

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

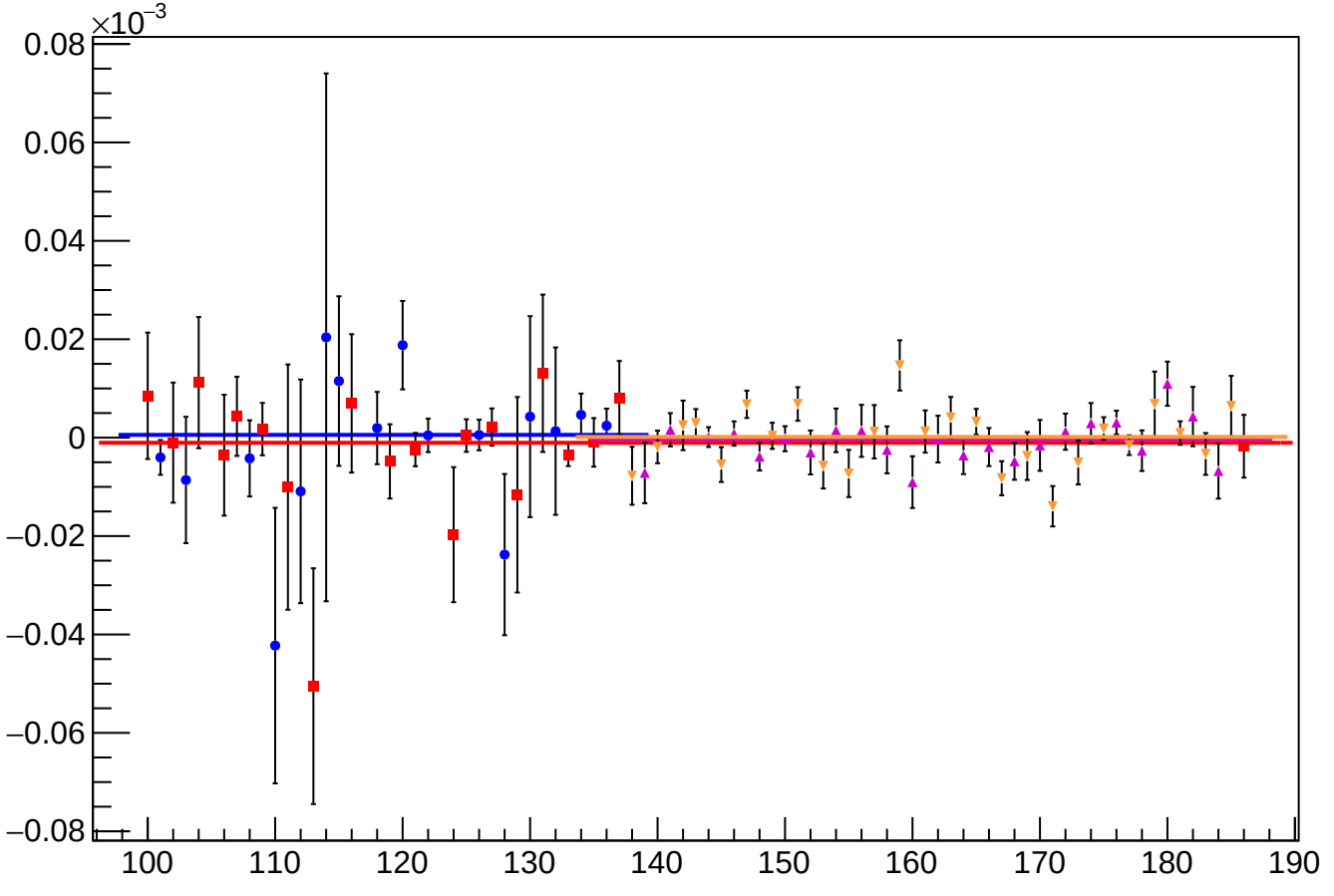
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 56.658+/-0.012 χ^2/NDF: 5215140.0/35

In: 54.999+/-0.008 χ^2/NDF:3375142.0/38

Out: 55.306+/-0.008 χ^2/NDF:4988167.2/44

All: 55.155+/-0.006 χ^2/NDF: 8364030.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

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

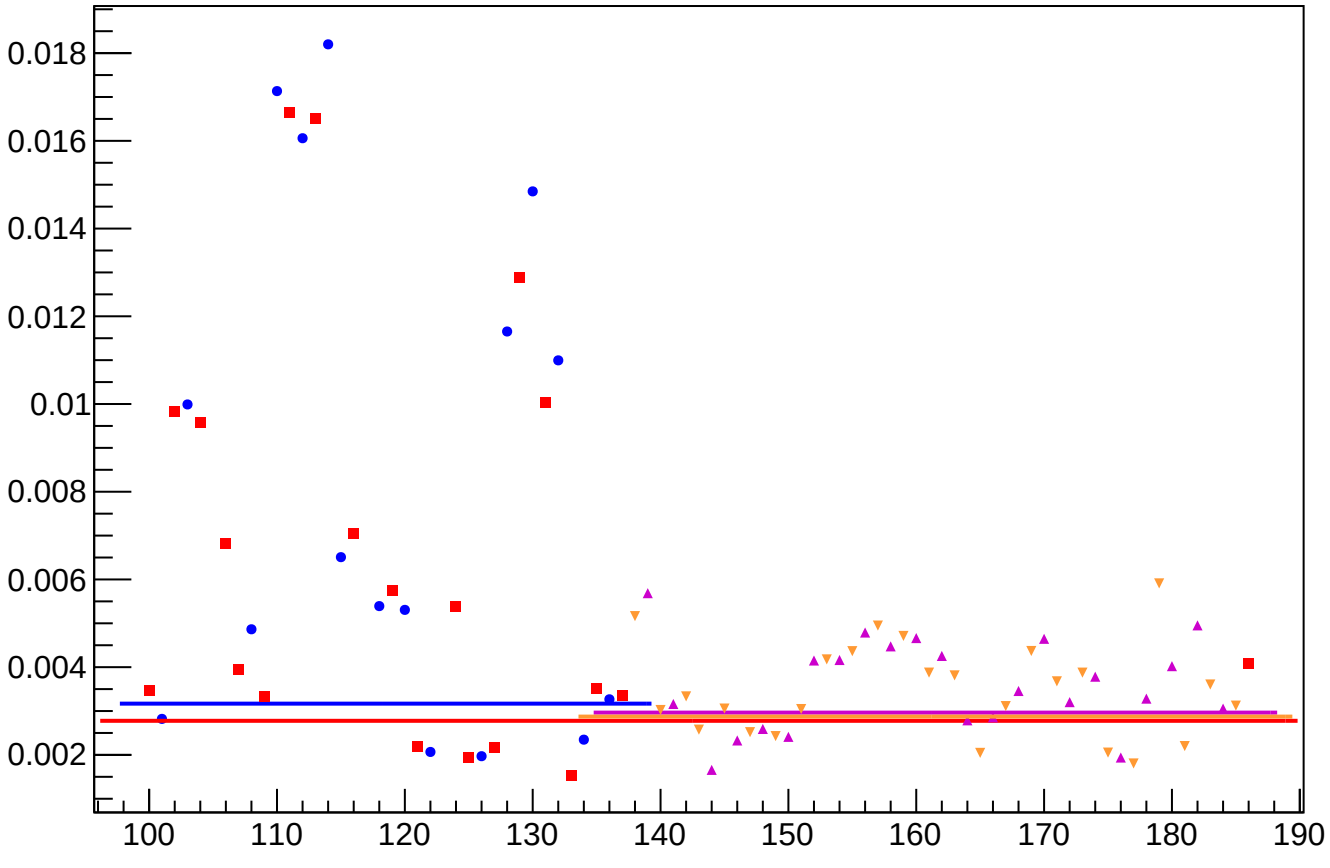
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

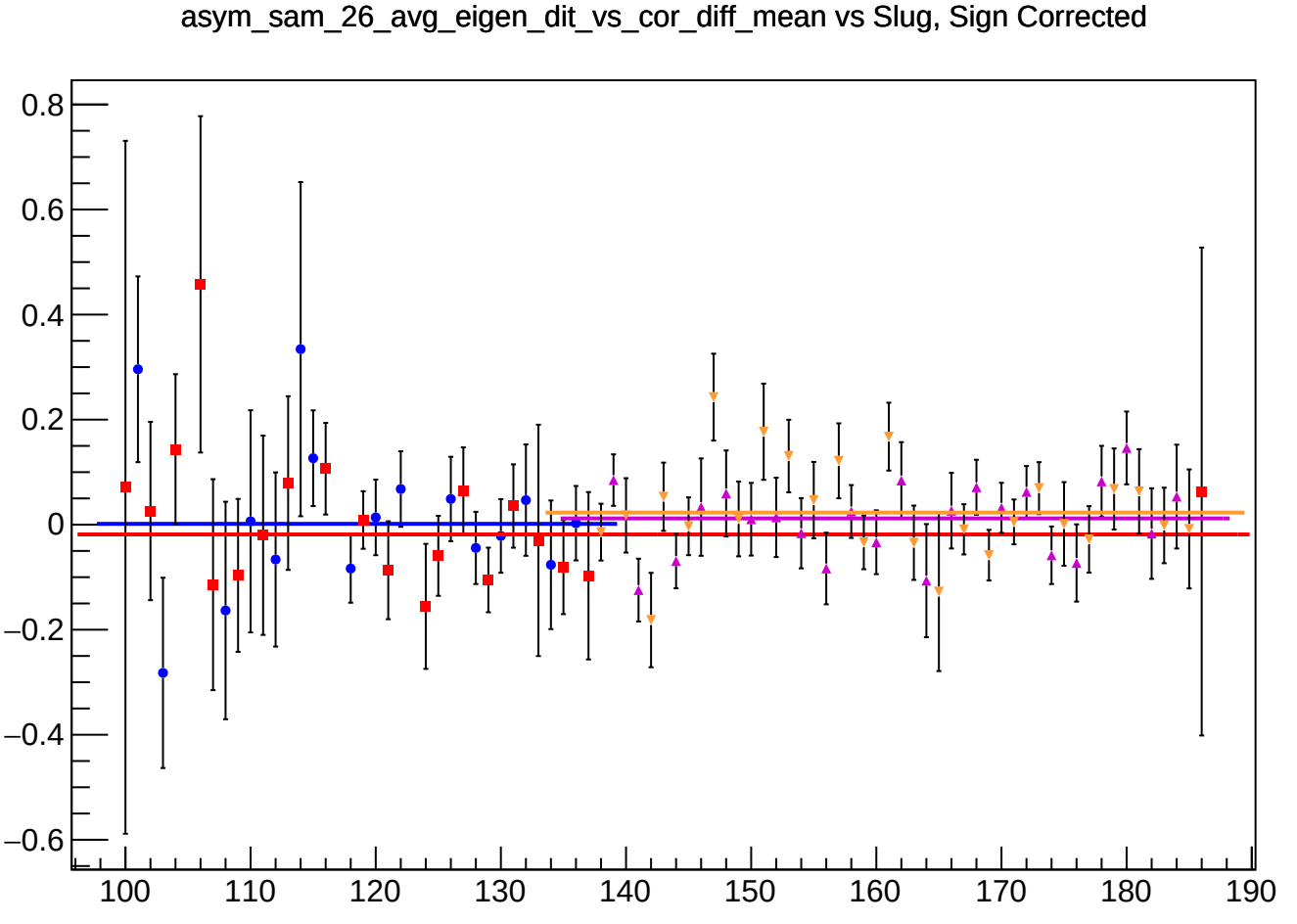
Right: -0.000+/-0.000 χ^2/NDF: 27.8/35

In: -0.000+/-0.000 χ^2/NDF:34.3/38

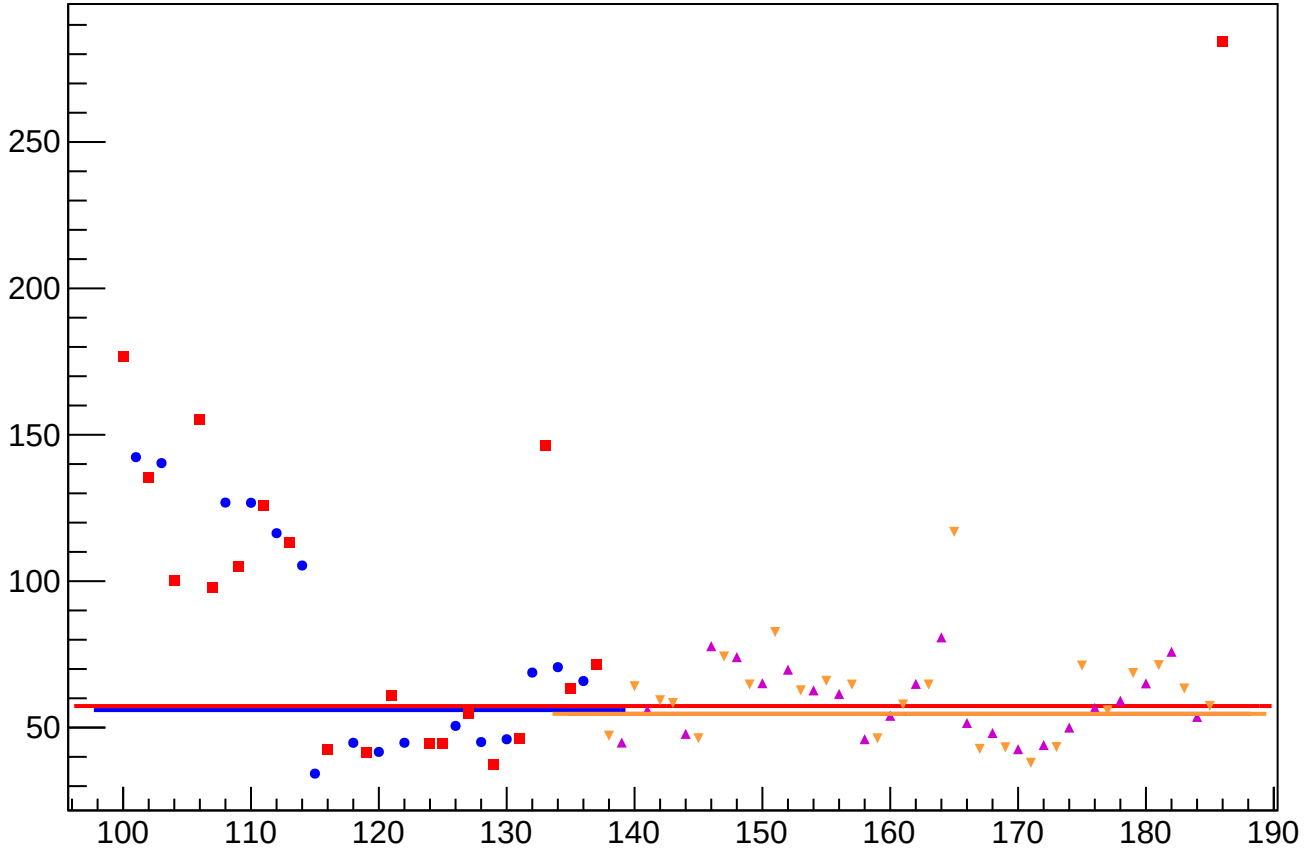
Out: -0.000+/-0.000 χ^2/NDF:68.2/44

All: -0.000+/-0.000 χ^2/NDF: 102.5/83


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: 4545616.6/15
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: 9870565.0/35
In: 0.003+/-0.000 χ²/NDF:8196139.0/38
Out: 0.003+/-0.000 χ²/NDF:8852516.0/44
All: 0.003+/-0.000 χ²/NDF: 17109365.1/83


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: 13.1/15
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: 26.6/35
In: 0.009+/-0.012 χ²/NDF:39.1/38
Out: 0.013+/-0.011 χ²/NDF:49.7/44
All: 0.011+/-0.008 χ²/NDF: 88.9/83

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 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

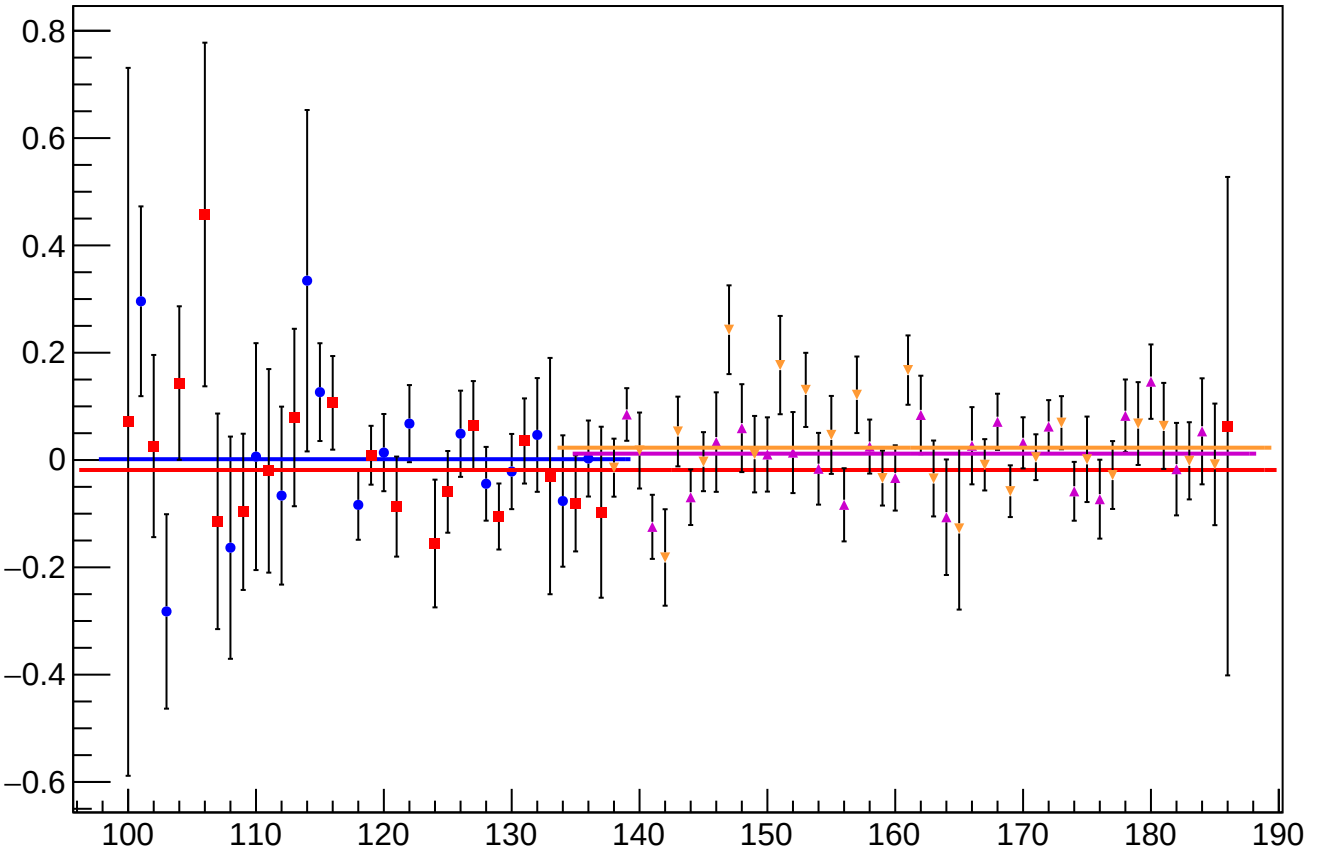
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 56.658+/-0.012 χ^2/NDF: 5215014.0/35

In: 54.999+/-0.008 χ^2/NDF:3375032.4/38

Out: 55.306+/-0.008 χ^2/NDF:4988094.9/44

All: 55.156+/-0.006 χ^2/NDF: 8363848.2/83



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

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

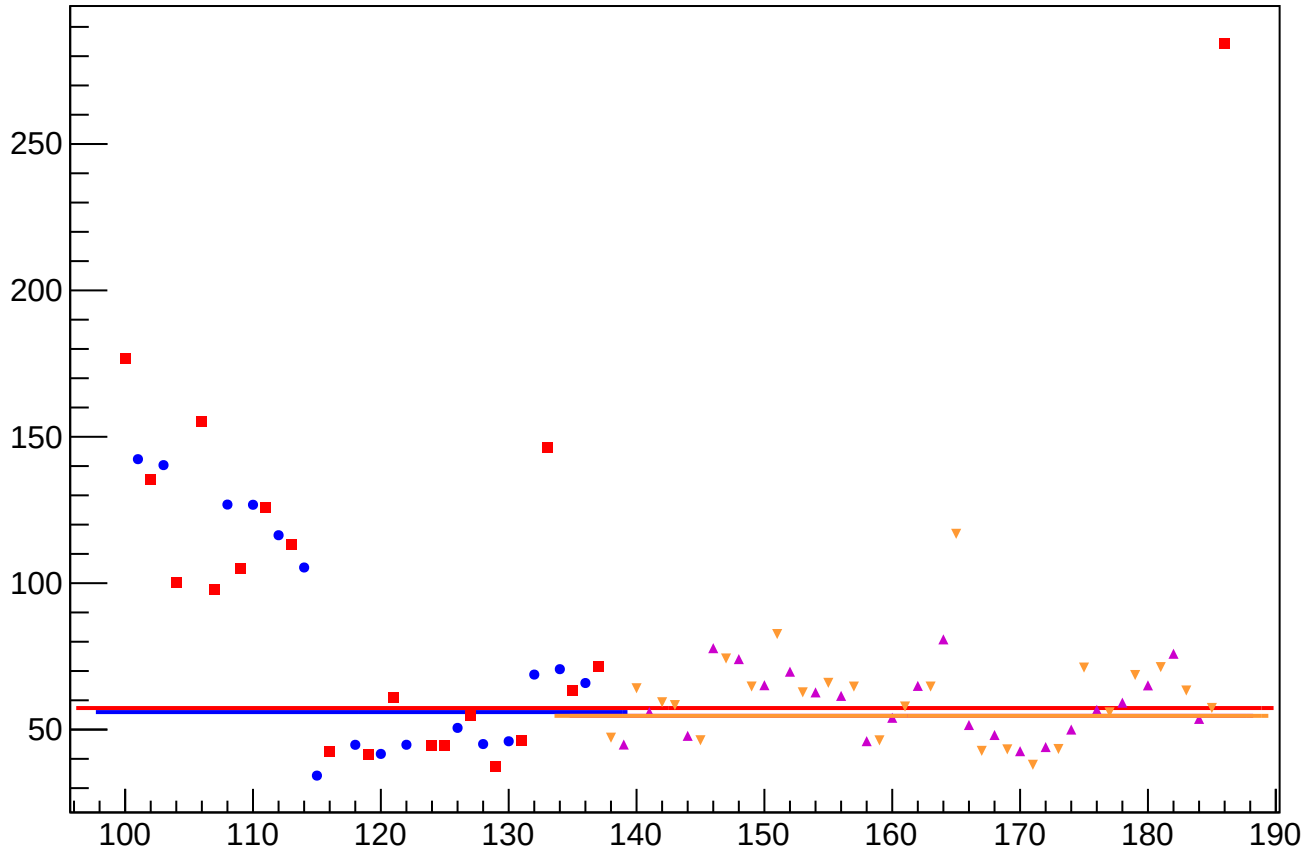
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.008+/-0.017 χ^2/NDF: 26.6/35

In: 0.009+/-0.012 χ^2/NDF:39.1/38

Out: 0.013+/-0.011 χ^2/NDF:49.7/44

All: 0.011+/-0.008 χ^2/NDF: 88.9/83



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

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

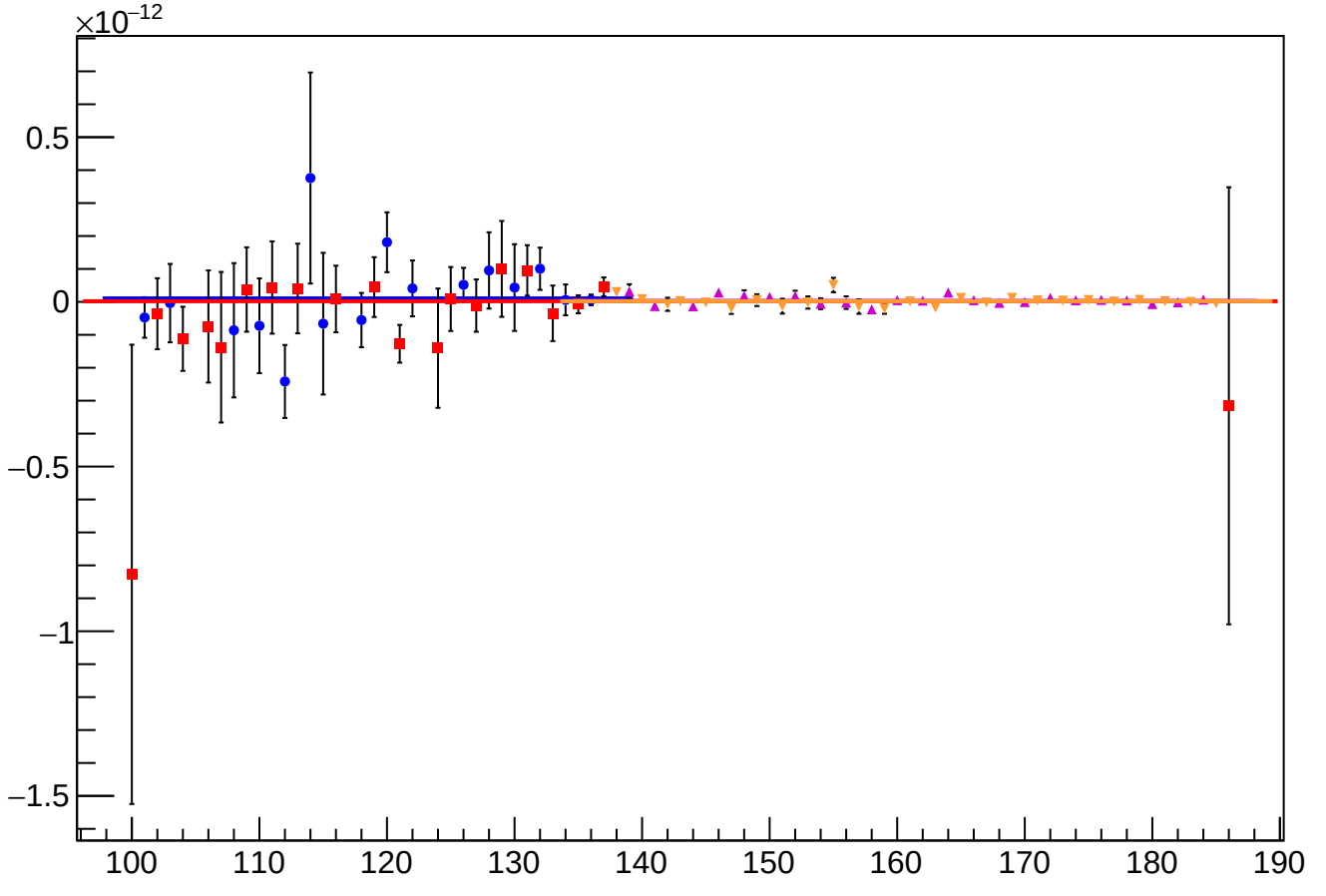
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 56.658+/-0.012 χ^2/NDF: 5215014.0/35

In: 54.999+/-0.008 χ^2/NDF:3375032.4/38

Out: 55.306+/-0.008 χ^2/NDF:4988094.9/44

All: 55.156+/-0.006 χ^2/NDF: 8363848.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

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

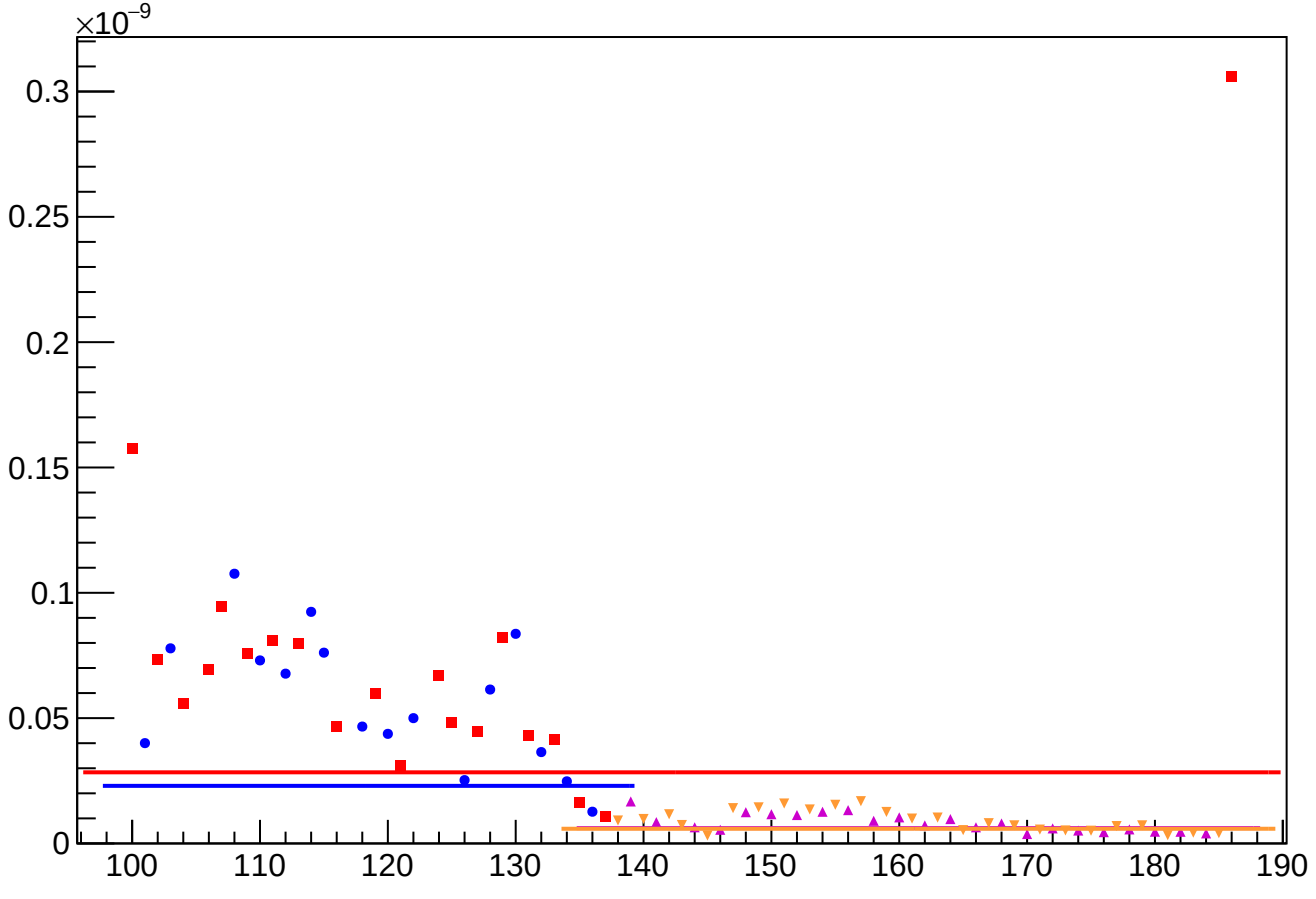
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 30.3/35

In: 0.000+/-0.000 χ^2/NDF:49.1/38

Out: 0.000+/-0.000 χ^2/NDF:35.2/44

All: 0.000+/-0.000 χ^2/NDF: 84.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

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

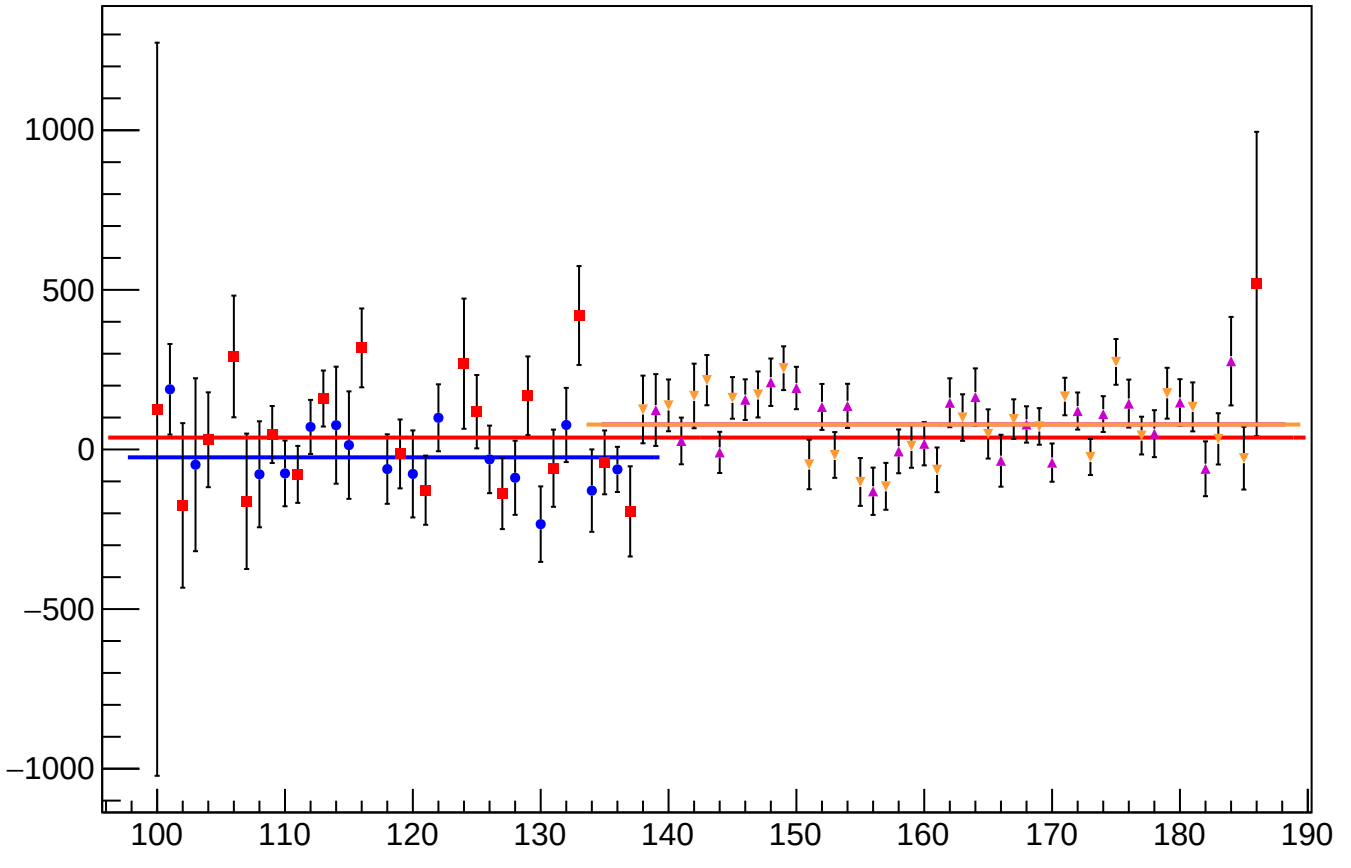
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8045866.4/35

In: 0.000+/-0.000 χ^2/NDF:10349888.1/38

Out: 0.000+/-0.000 χ^2/NDF:13873102.6/44

All: 0.000+/-0.000 χ^2/NDF: 24249699.0/83



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

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

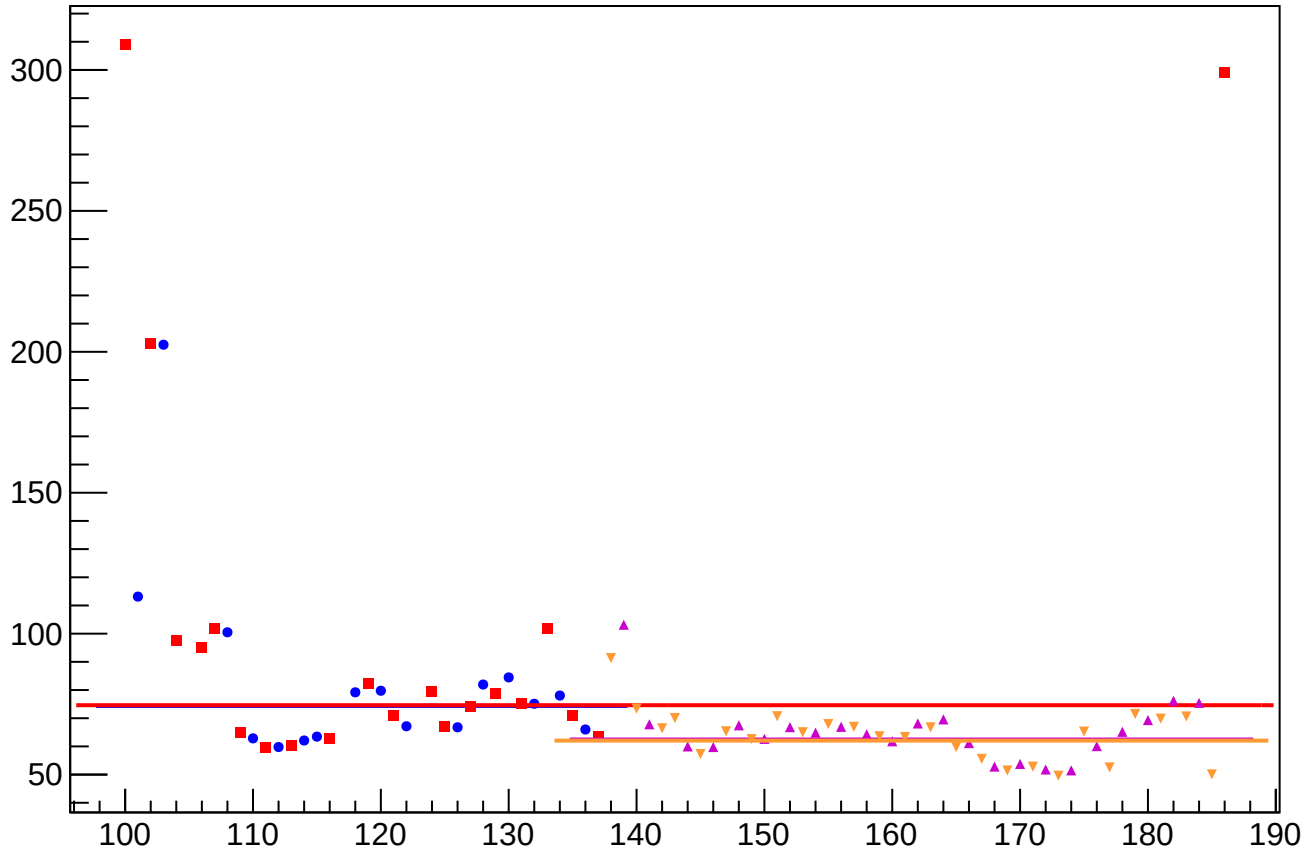
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: 6.882+/-20.262 χ^2/NDF: 44.5/35

In: 57.066+/-13.182 χ^2/NDF:57.7/38

Out: 69.872+/-12.791 χ^2/NDF:86.7/44

All: 63.662+/-9.180 χ^2/NDF: 144.9/83



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

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

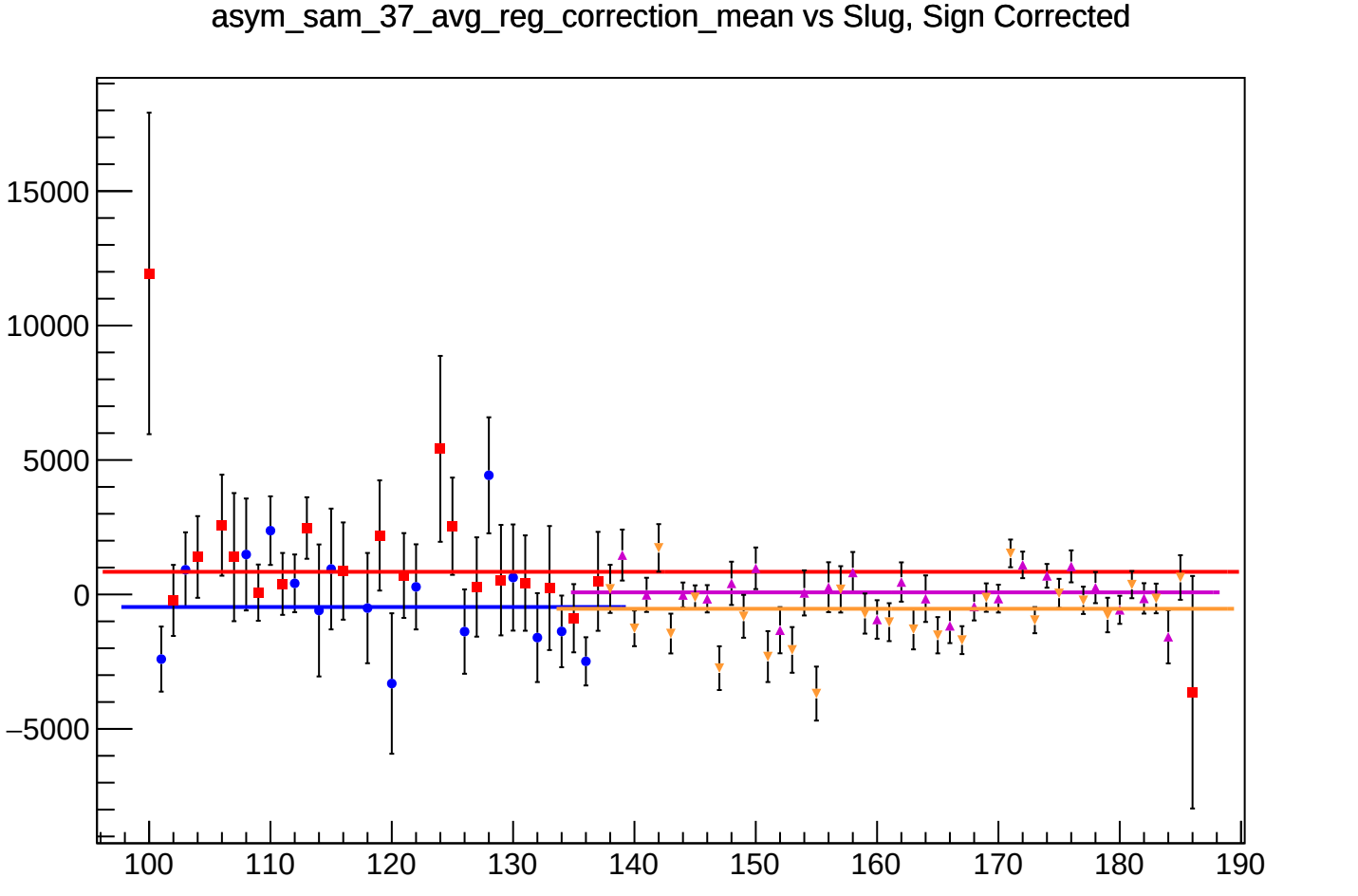
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 74.495+/-0.014 χ^2/NDF: 2205513.3/35

In: 64.924+/-0.009 χ^2/NDF:1761679.3/38

Out: 64.608+/-0.009 χ^2/NDF:2375809.0/44

All: 64.761+/-0.006 χ^2/NDF: 4138078.7/83



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

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

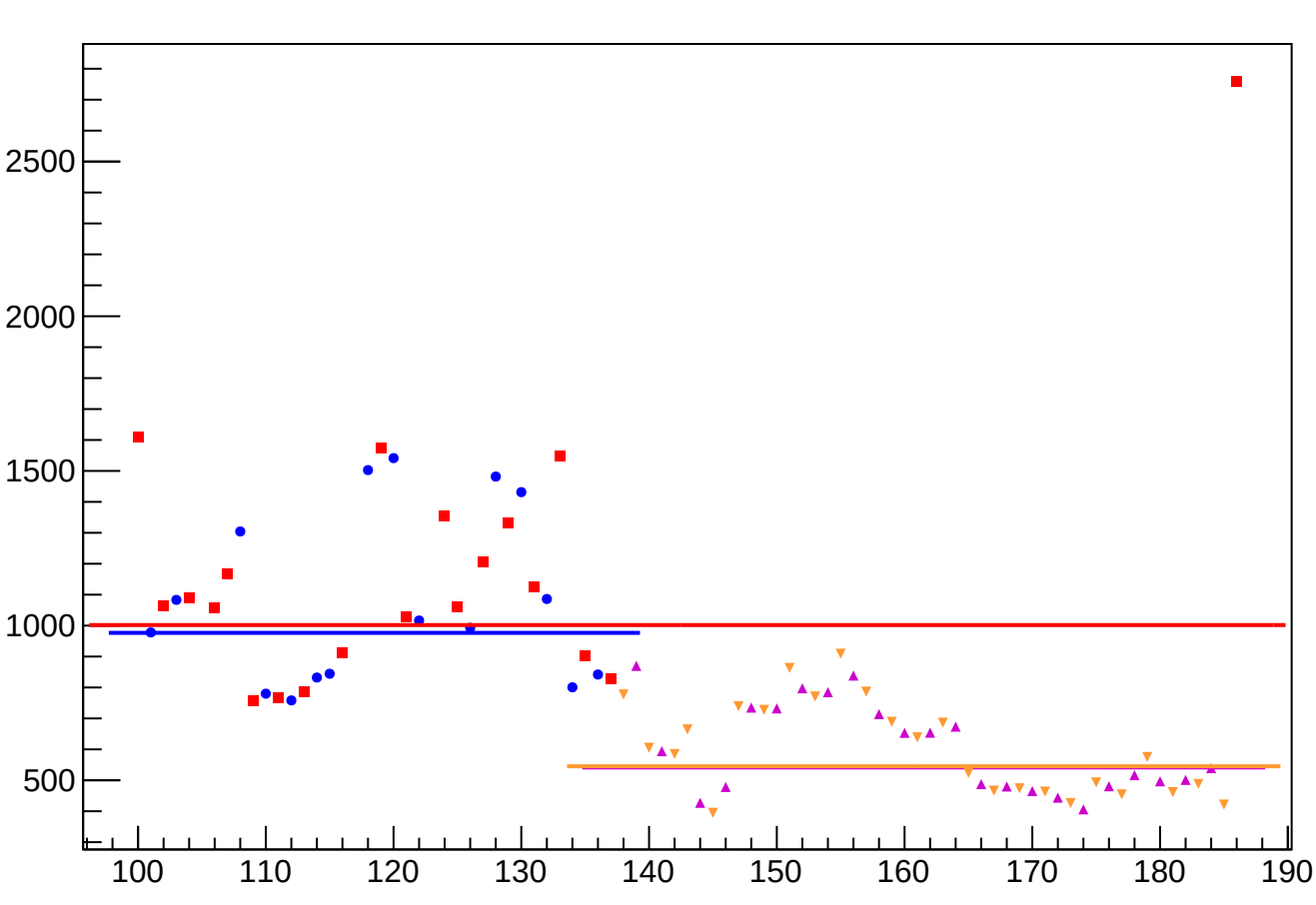
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 195.117+/-263.702 χ^2/NDF: 44.0/35

In: 18.793+/-123.097 χ^2/NDF:53.9/38

Out: -386.581+/-120.934 χ^2/NDF:95.5/44

All: -187.487+/-86.268 χ^2/NDF: 155.0/83



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

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

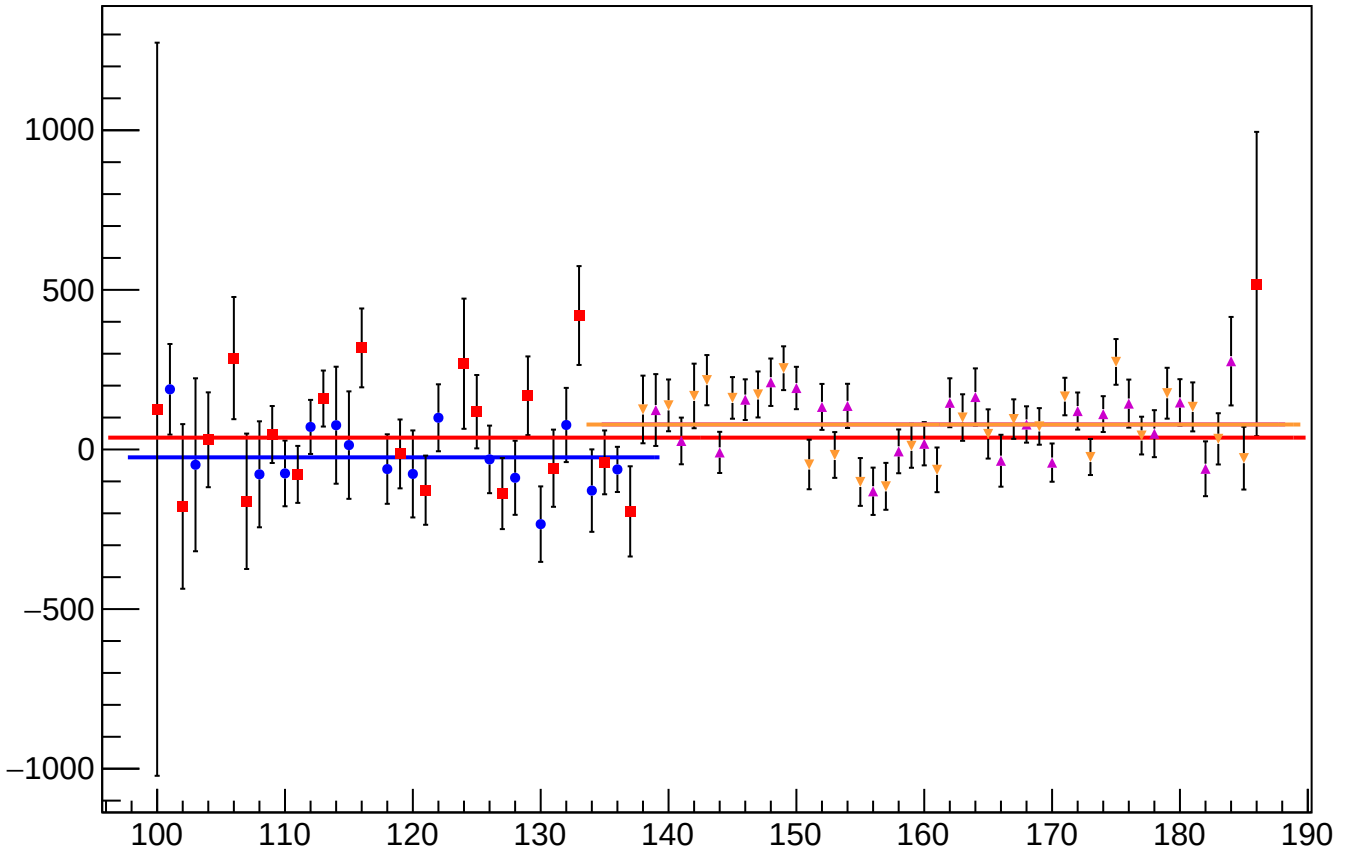
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 989.326+/-0.186 χ^2/NDF: 1789641.5/35

In: 588.337+/-0.087 χ^2/NDF:4979199.1/38

Out: 593.843+/-0.086 χ^2/NDF:5839999.8/44

All: 591.139+/-0.061 χ^2/NDF: 10821235.2/83



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

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

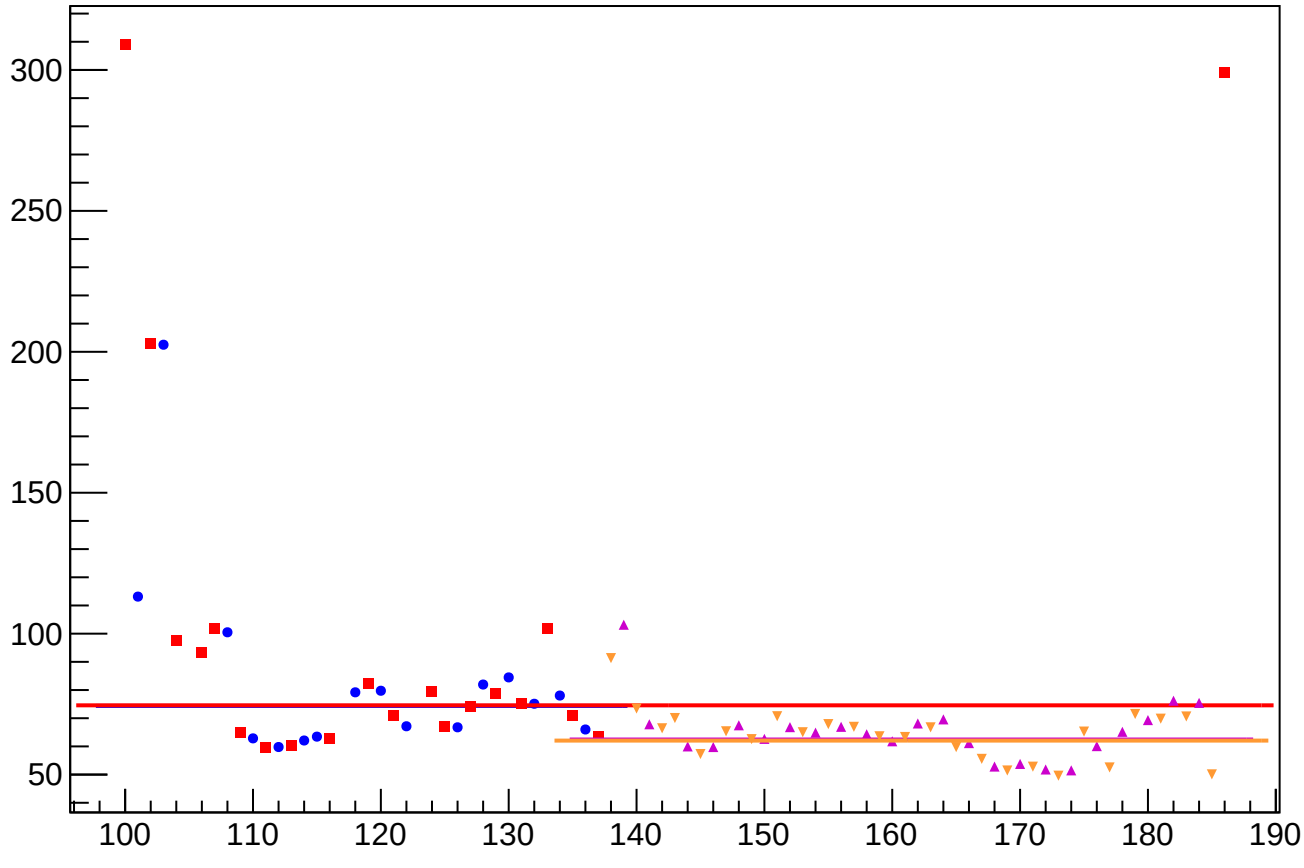
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 6.774+/-20.263 χ^2/NDF: 44.4/35

In: 57.065+/-13.182 χ^2/NDF:57.7/38

Out: 69.836+/-12.791 χ^2/NDF:86.6/44

All: 63.643+/-9.180 χ^2/NDF: 144.8/83



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

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

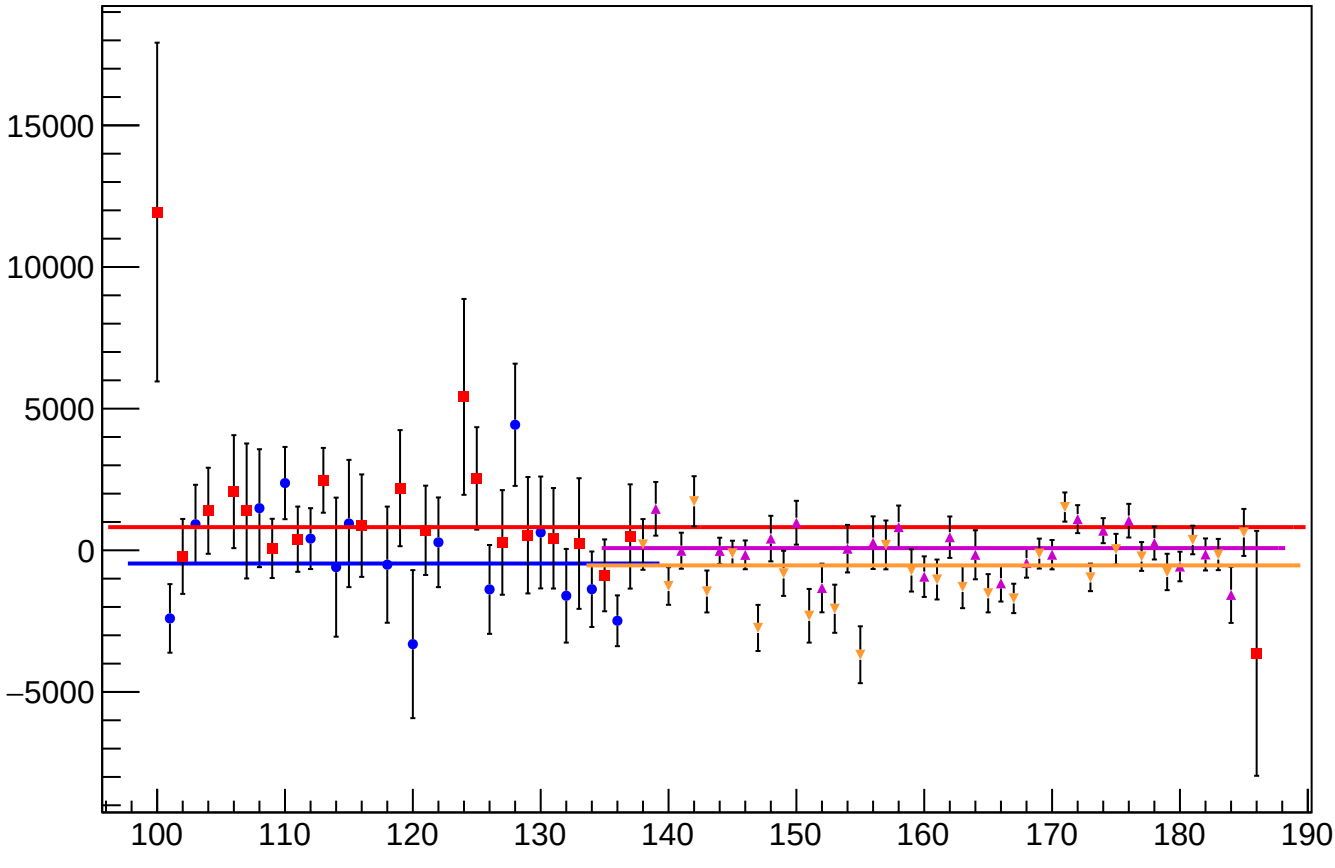
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 74.473+/-0.014 χ^2/NDF: 2201872.7/35

In: 64.924+/-0.009 χ^2/NDF:1761681.2/38

Out: 64.599+/-0.009 χ^2/NDF:2370081.1/44

All: 64.757+/-0.006 χ^2/NDF: 4132386.3/83



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

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

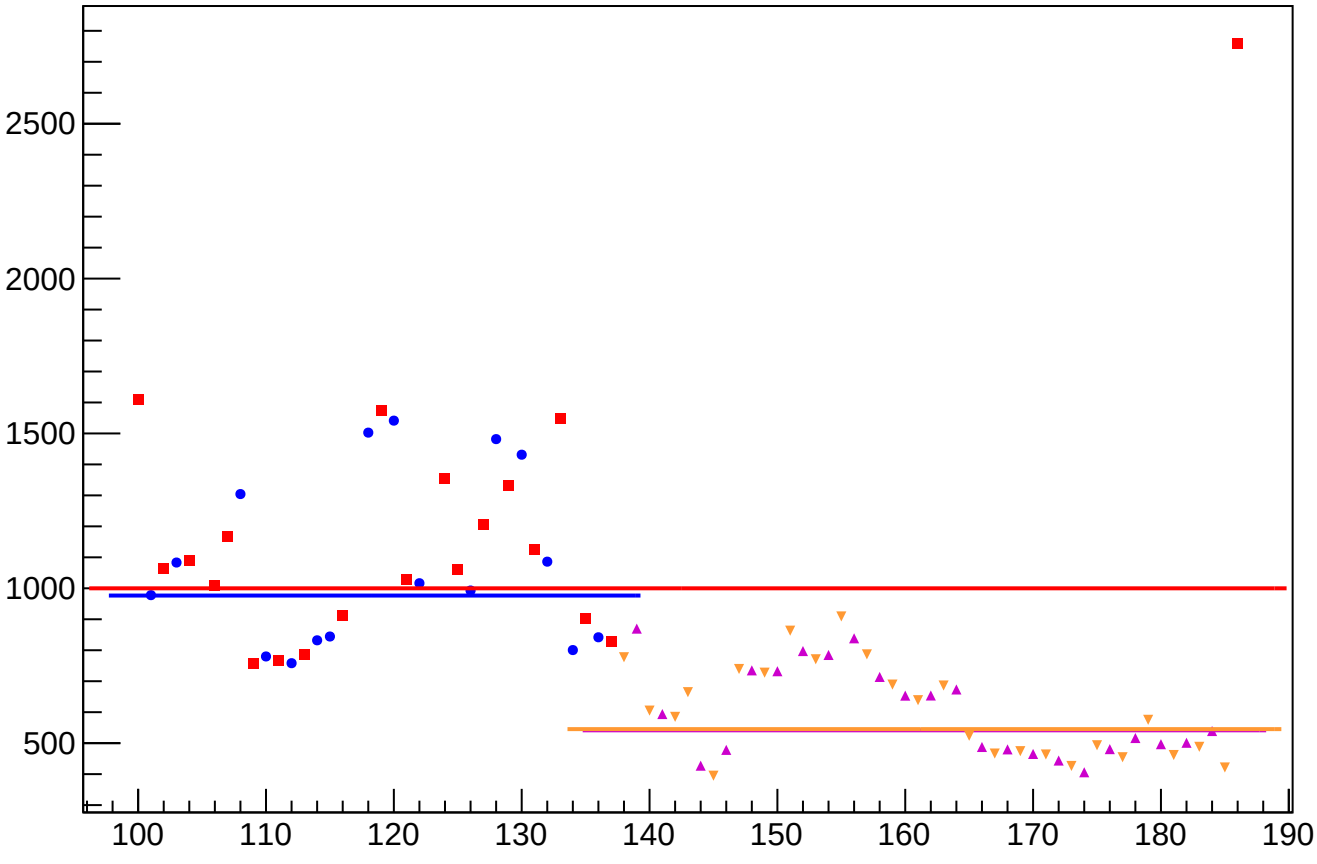
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 181.250+/-264.006 χ^2/NDF: 43.3/35

In: 18.794+/-123.097 χ^2/NDF:53.9/38

Out: -389.773+/-120.963 χ^2/NDF:94.6/44

All: -189.061+/-86.279 χ^2/NDF: 154.1/83



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

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

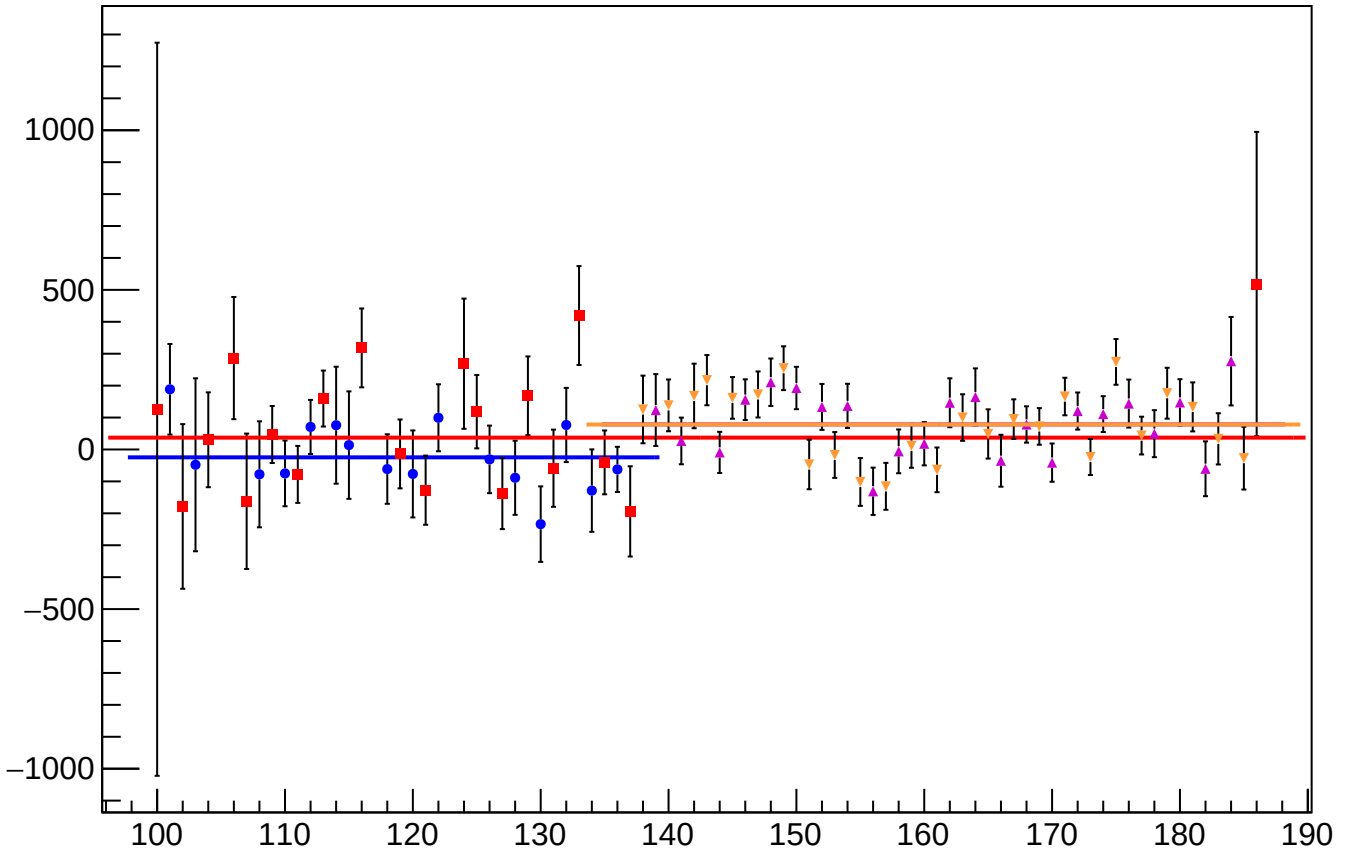
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 988.360+/-0.187 χ^2/NDF: 1787334.1/35

In: 588.337+/-0.087 χ^2/NDF:4979256.5/38

Out: 593.448+/-0.086 χ^2/NDF:5805341.8/44

All: 590.937+/-0.061 χ^2/NDF: 10786352.7/83



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

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

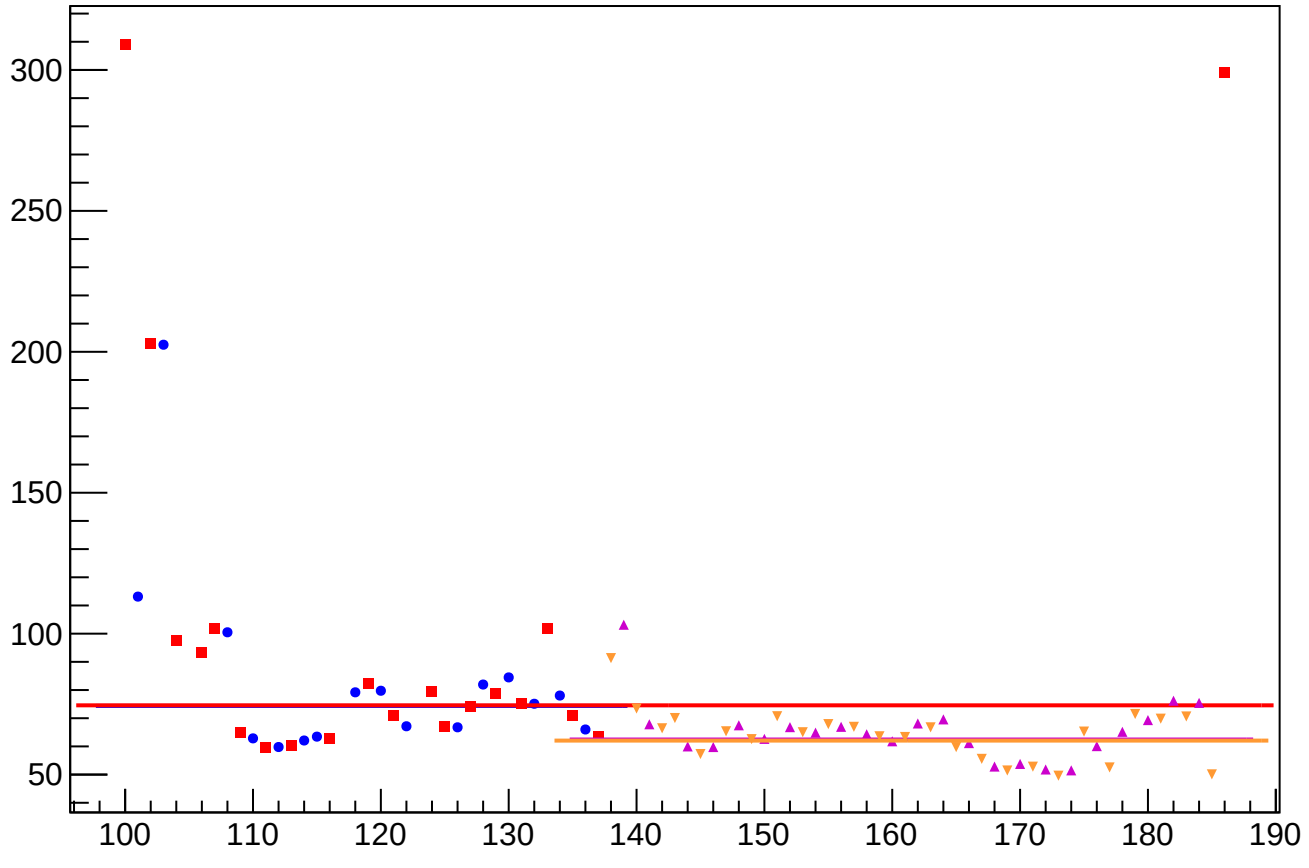
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 6.774+/-20.263 χ^2/NDF: 44.4/35

In: 57.065+/-13.182 χ^2/NDF:57.7/38

Out: 69.836+/-12.791 χ^2/NDF:86.6/44

All: 63.643+/-9.180 χ^2/NDF: 144.8/83



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

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

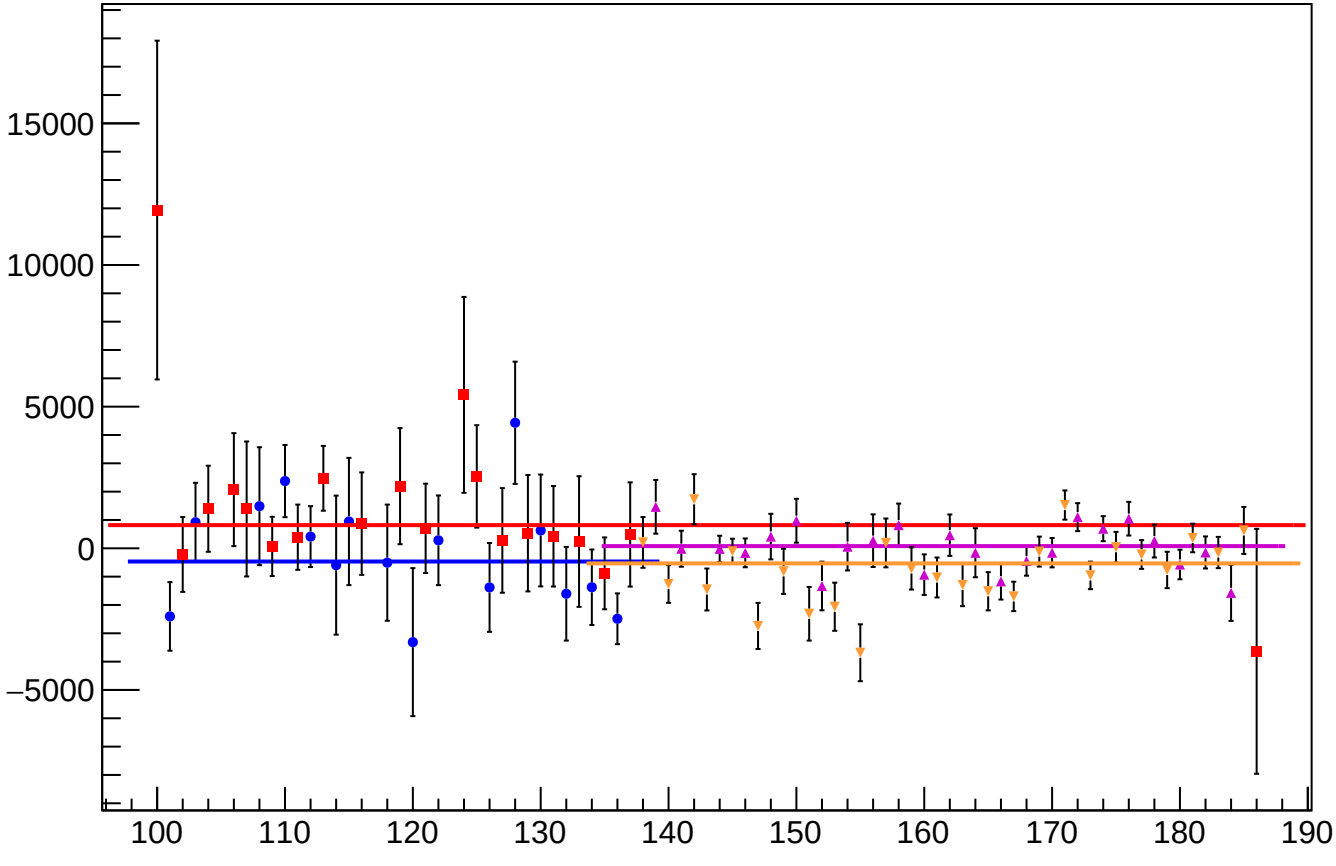
Right: 74.473+/-0.014 χ^2/NDF: 2201872.7/35

In: 64.924+/-0.009 χ^2/NDF:1761681.2/38

Out: 64.599+/-0.009 χ^2/NDF:2370081.1/44

All: 64.757+/-0.006 χ^2/NDF: 4132386.3/83

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -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

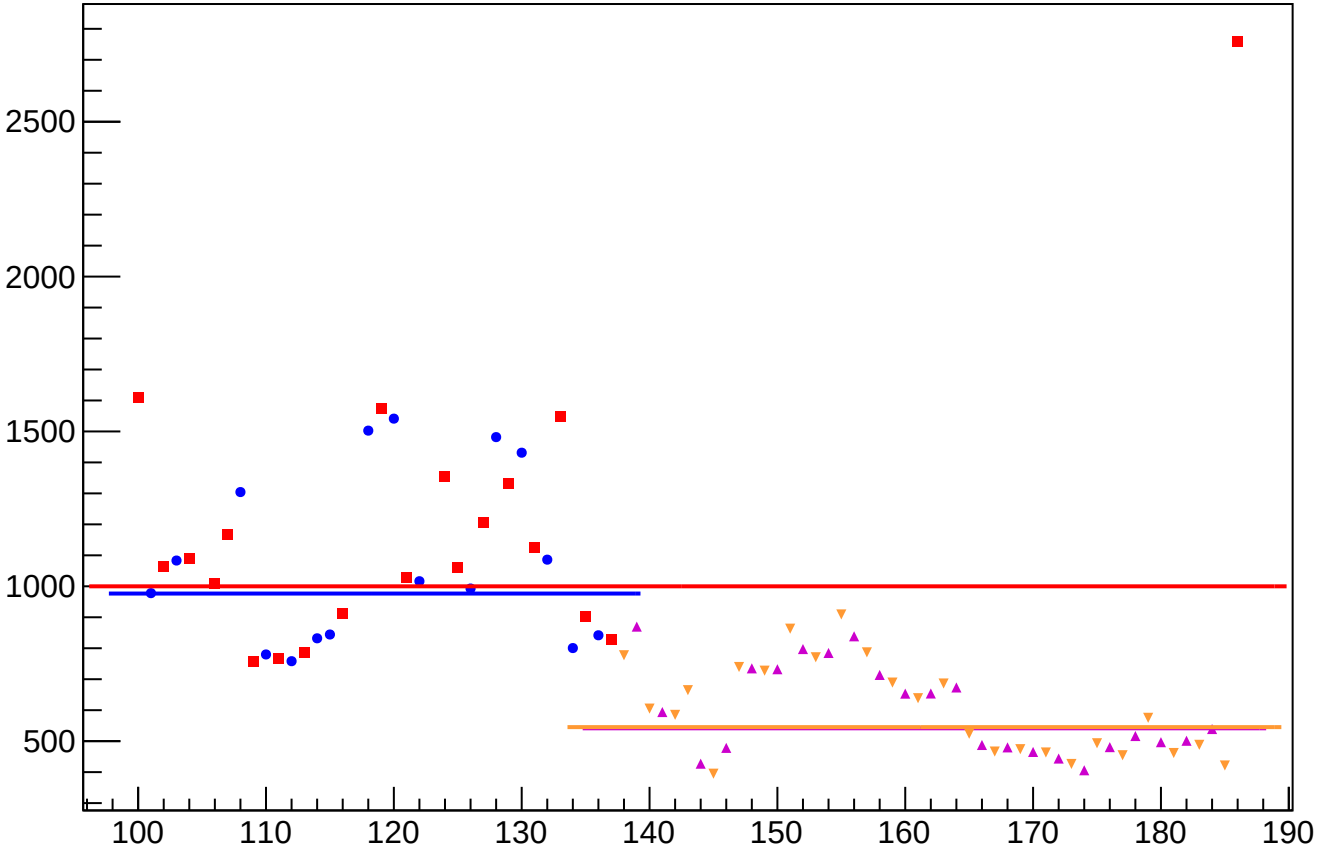
Right: 181.250+/-264.006 χ^2/NDF: 43.3/35

In: 18.794+/-123.097 χ^2/NDF:53.9/38

Out: -389.773+/-120.963 χ^2/NDF:94.6/44

All: -189.061+/-86.279 χ^2/NDF: 154.1/83

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 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

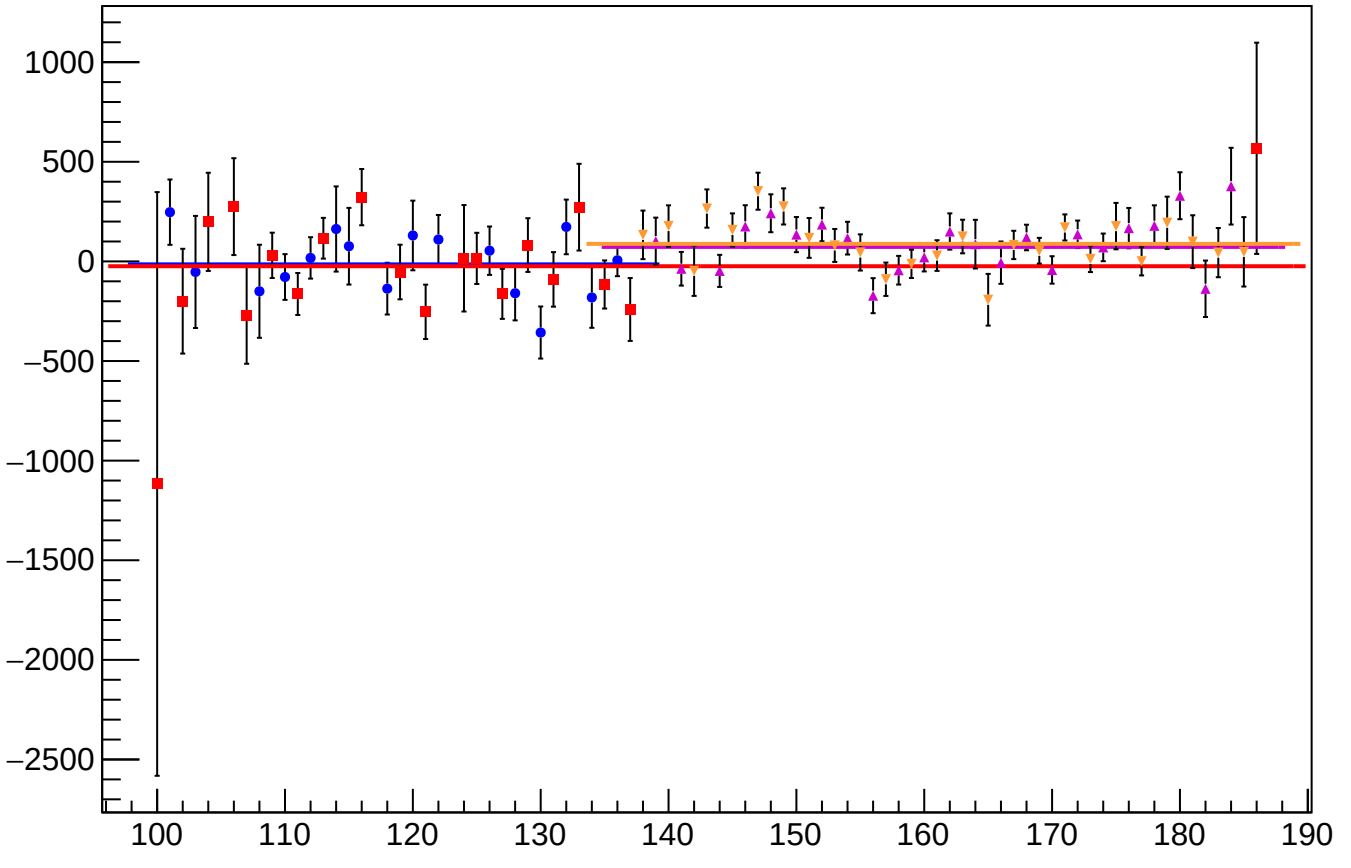
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 988.360+/-0.187 χ^2/NDF: 1787334.1/35

In: 588.337+/-0.087 χ^2/NDF:4979256.5/38

Out: 593.448+/-0.086 χ^2/NDF:5805341.8/44

All: 590.937+/-0.061 χ^2/NDF: 10786352.7/83



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

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

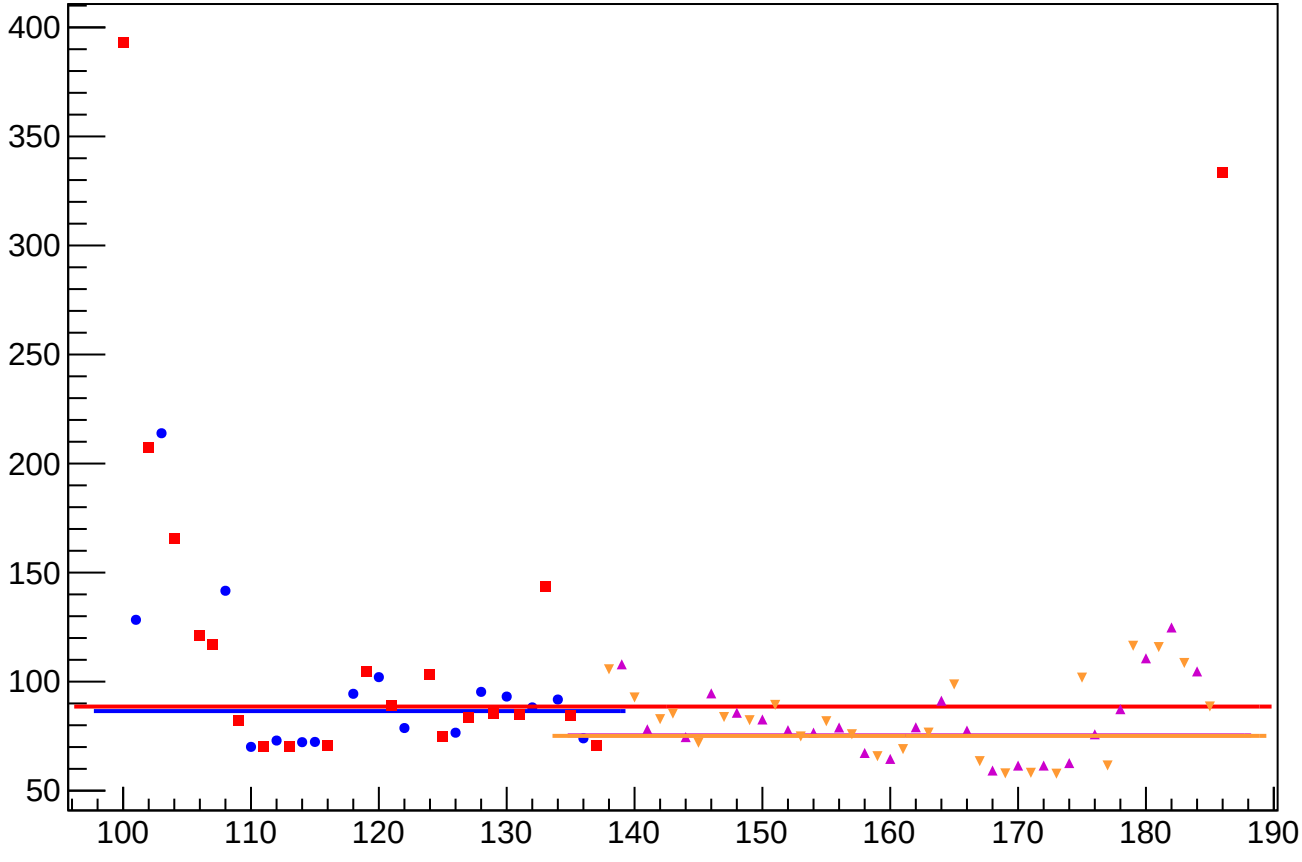
Right: -19.548+/-23.958 χ^2/NDF: 43.2/35

In: 52.950+/-16.072 χ^2/NDF:61.9/38

Out: 64.014+/-15.731 χ^2/NDF:70.3/44

All: 58.601+/-11.242 χ^2/NDF: 132.5/83

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

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

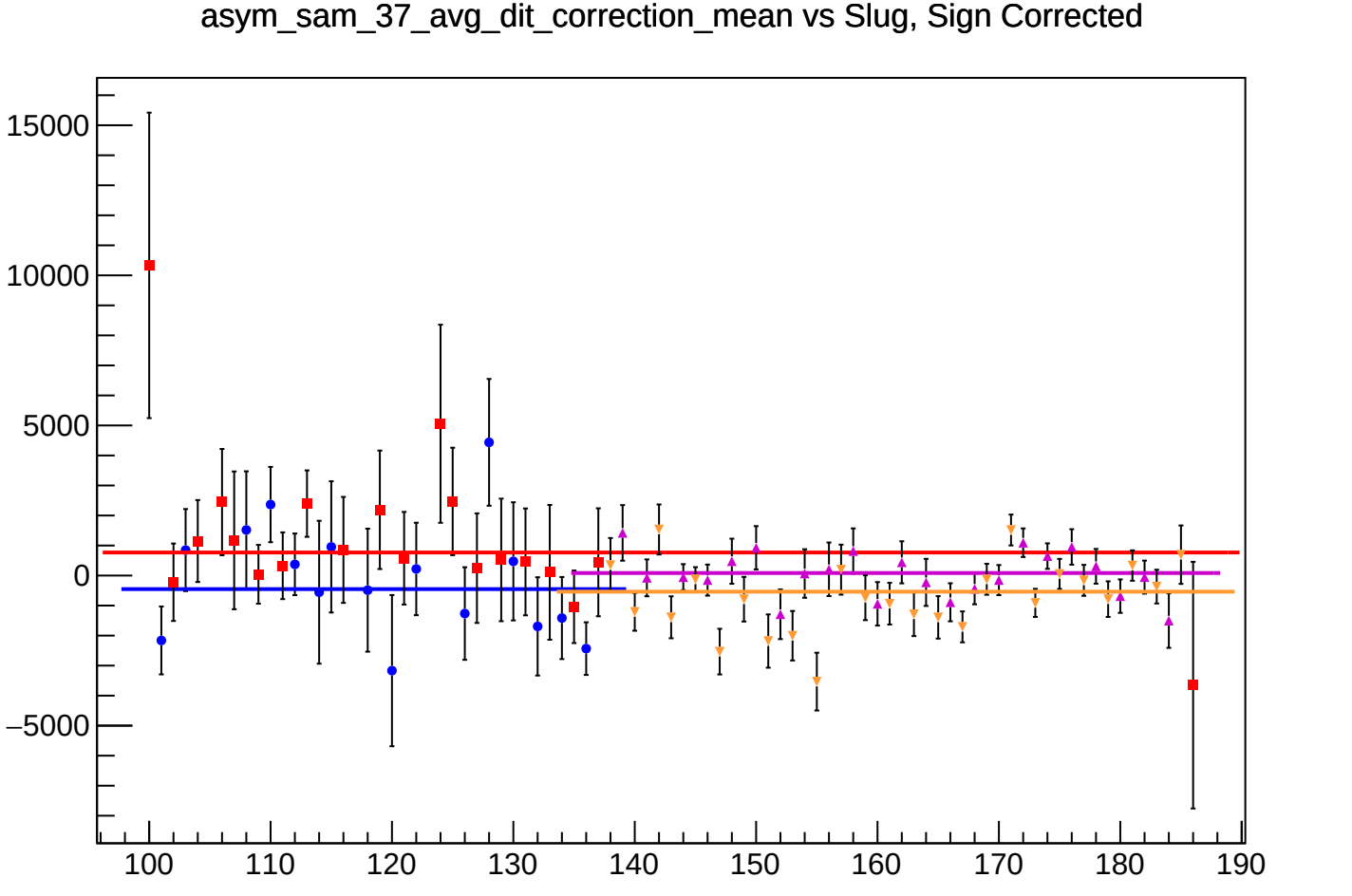
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 87.520+/-0.017 χ^2/NDF: 2417884.1/35

In: 77.884+/-0.011 χ^2/NDF:2249561.0/38

Out: 78.004+/-0.011 χ^2/NDF:3404829.1/44

All: 77.946+/-0.008 χ^2/NDF: 5654446.8/83



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 767.677+/-356.516 χ^2/NDF: 14.8/19

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

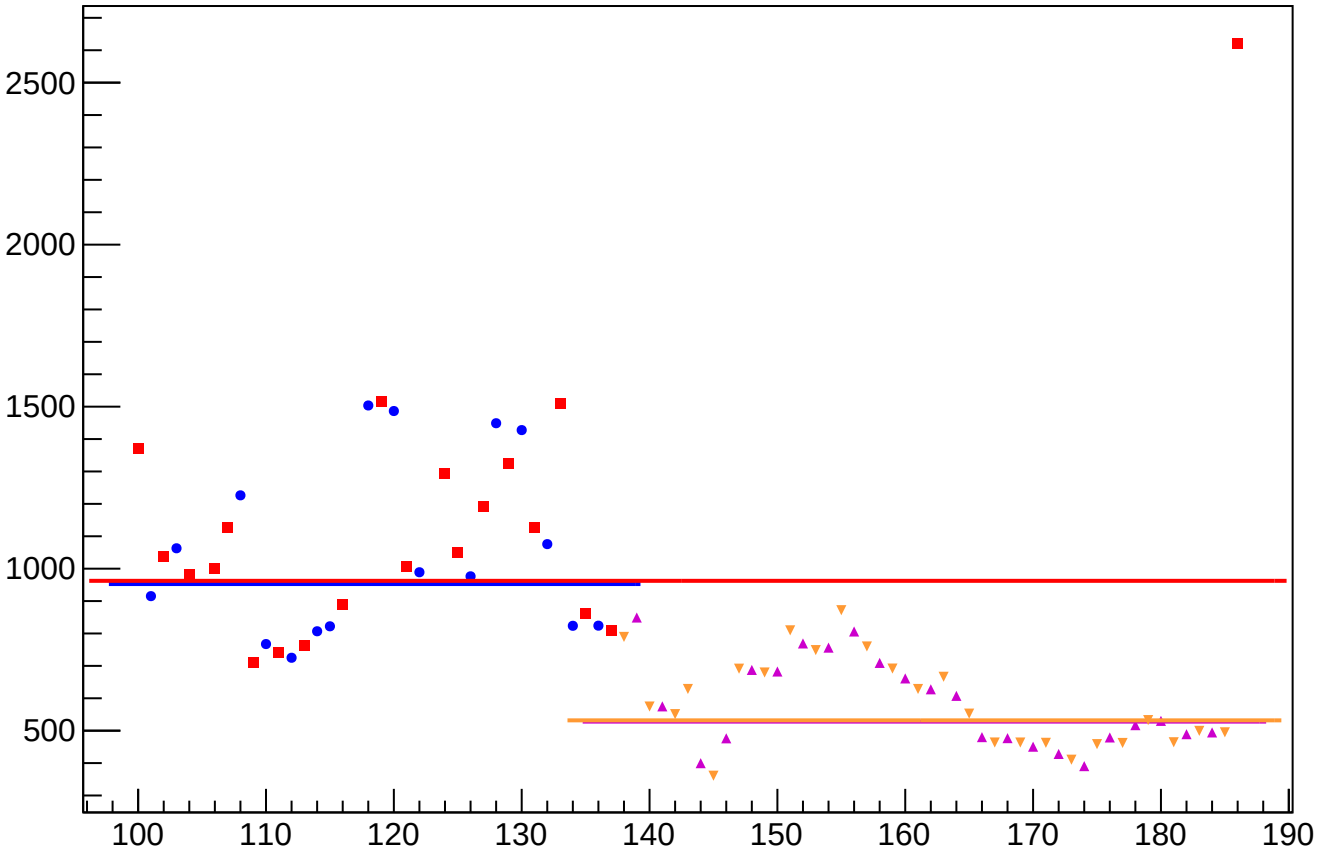
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 173.491+/-255.248 χ^2/NDF: 44.2/35

In: 26.918+/-120.001 χ^2/NDF:53.1/38

Out: -395.059+/-117.515 χ^2/NDF:93.8/44

All: -188.487+/-83.961 χ^2/NDF: 153.2/83



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

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

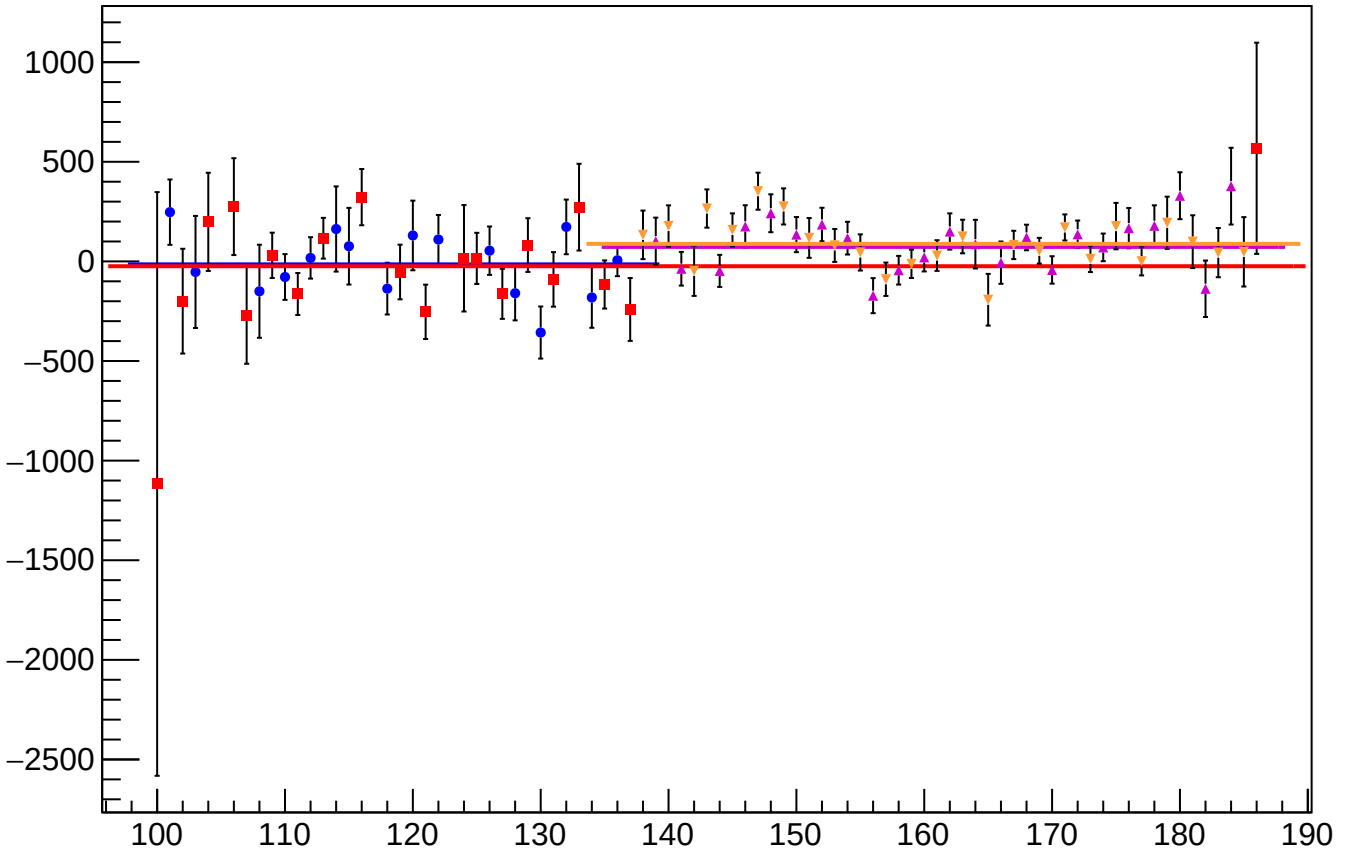
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 957.636+/-0.180 χ^2/NDF: 1826967.0/35

In: 573.725+/-0.085 χ^2/NDF:4953318.3/38

Out: 578.657+/-0.083 χ^2/NDF:5718175.0/44

All: 576.243+/-0.059 χ^2/NDF: 10673217.6/83



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

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

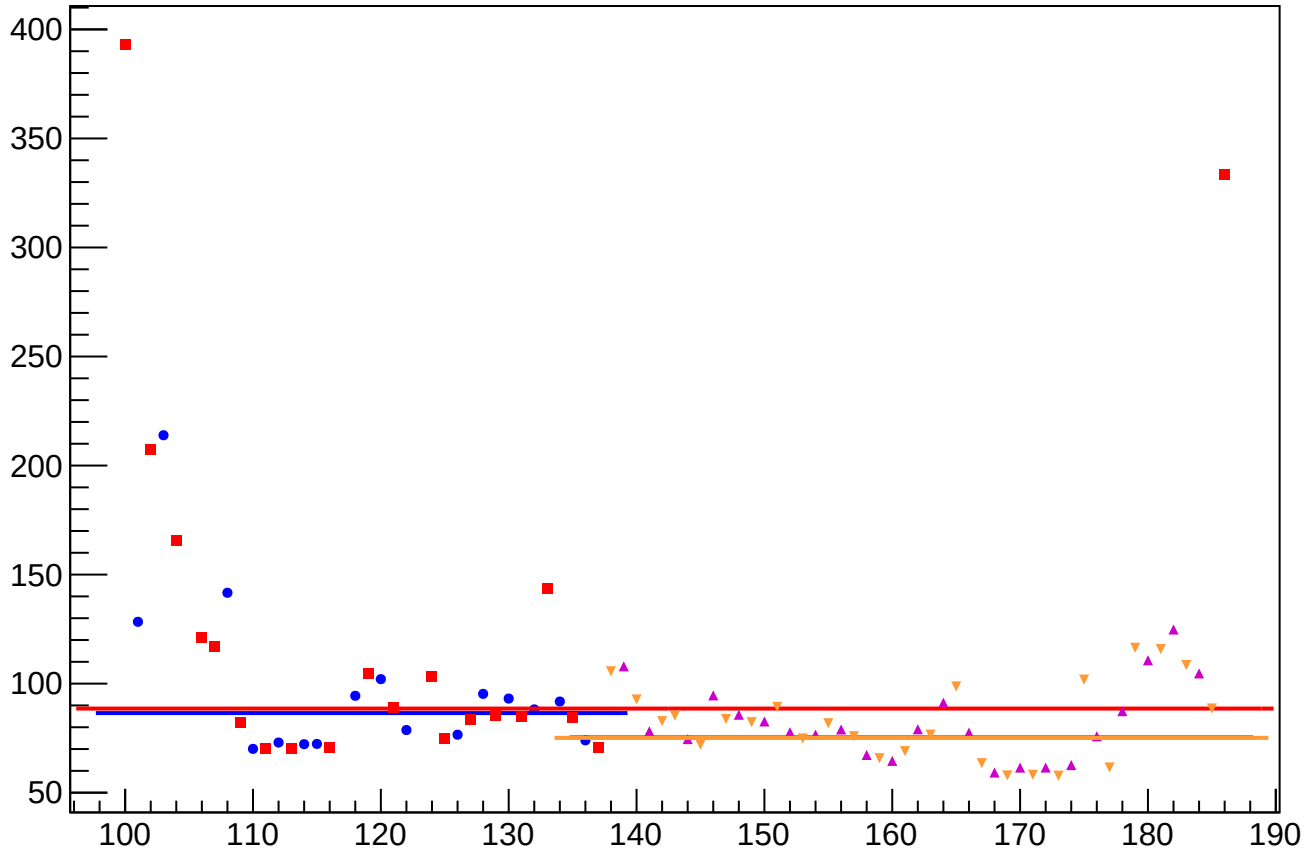
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -19.550+/-23.958 χ^2/NDF: 43.2/35

In: 52.950+/-16.072 χ^2/NDF:61.9/38

Out: 64.013+/-15.731 χ^2/NDF:70.3/44

All: 58.600+/-11.242 χ^2/NDF: 132.5/83



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

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

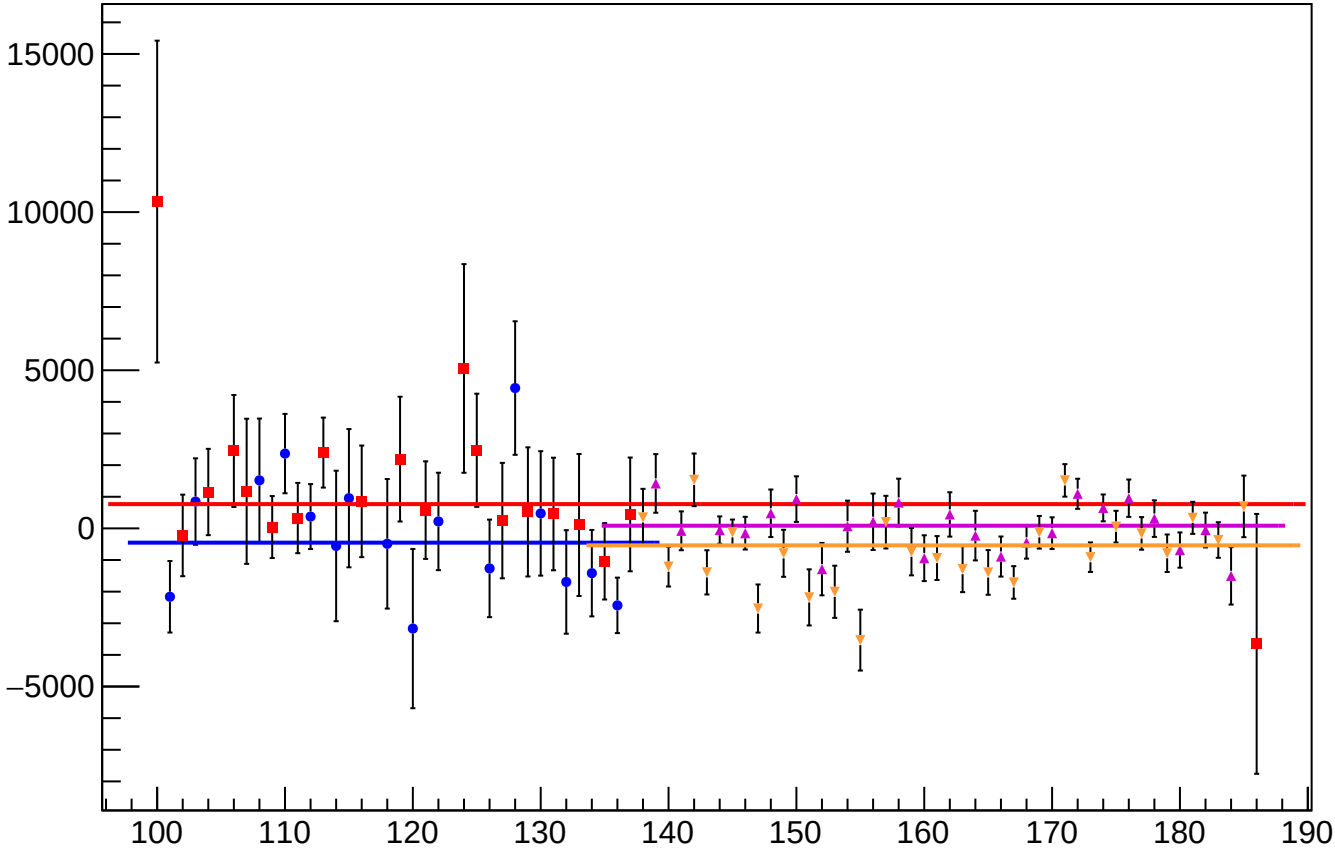
Right: 87.520+/-0.017 χ^2/NDF: 2417872.7/35

In: 77.885+/-0.011 χ^2/NDF:2249556.7/38

Out: 78.005+/-0.011 χ^2/NDF:3404831.8/44

All: 77.946+/-0.008 χ^2/NDF: 5654445.2/83

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -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

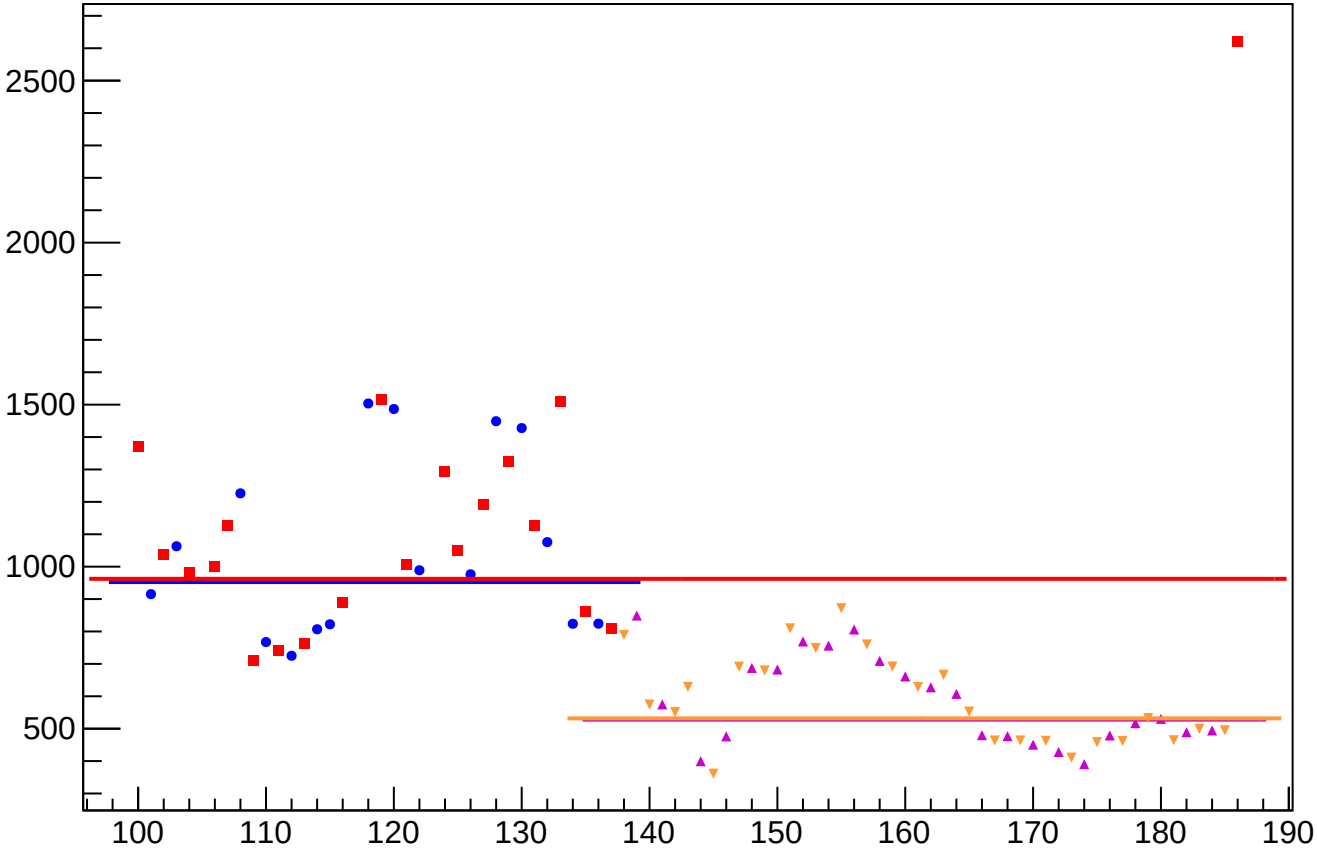
Right: 173.492+/-255.247 χ^2/NDF: 44.2/35

In: 26.918+/-120.001 χ^2/NDF:53.1/38

Out: -395.059+/-117.515 χ^2/NDF:93.8/44

All: -188.487+/-83.961 χ^2/NDF: 153.2/83

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 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

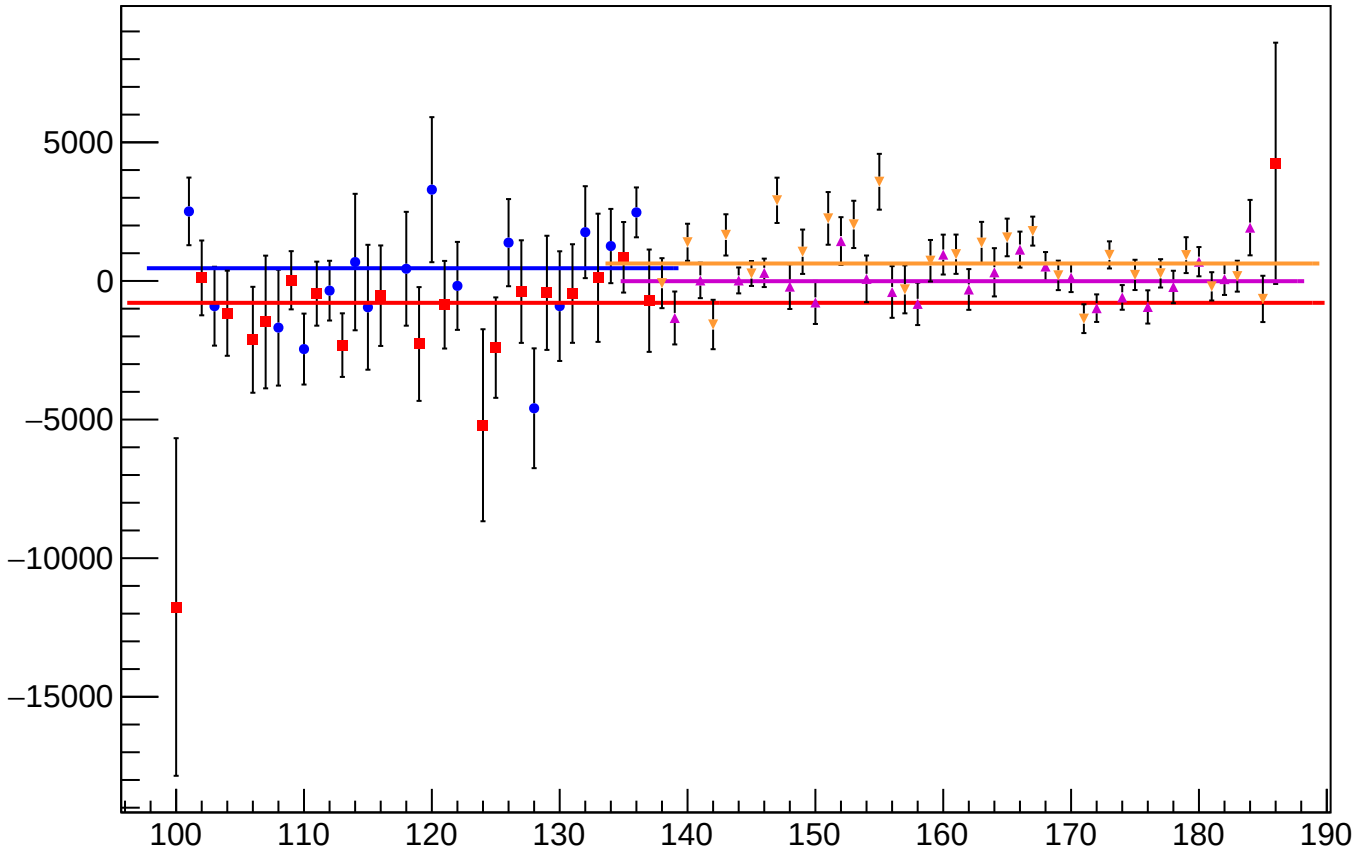
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 957.634+/-0.180 χ^2/NDF: 1826969.9/35

In: 573.725+/-0.085 χ^2/NDF:4953305.2/38

Out: 578.656+/-0.083 χ^2/NDF:5718160.2/44

All: 576.242+/-0.059 χ^2/NDF: 10673189.7/83



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -789.297+/-372.867 χ^2/NDF: 13.0/19

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

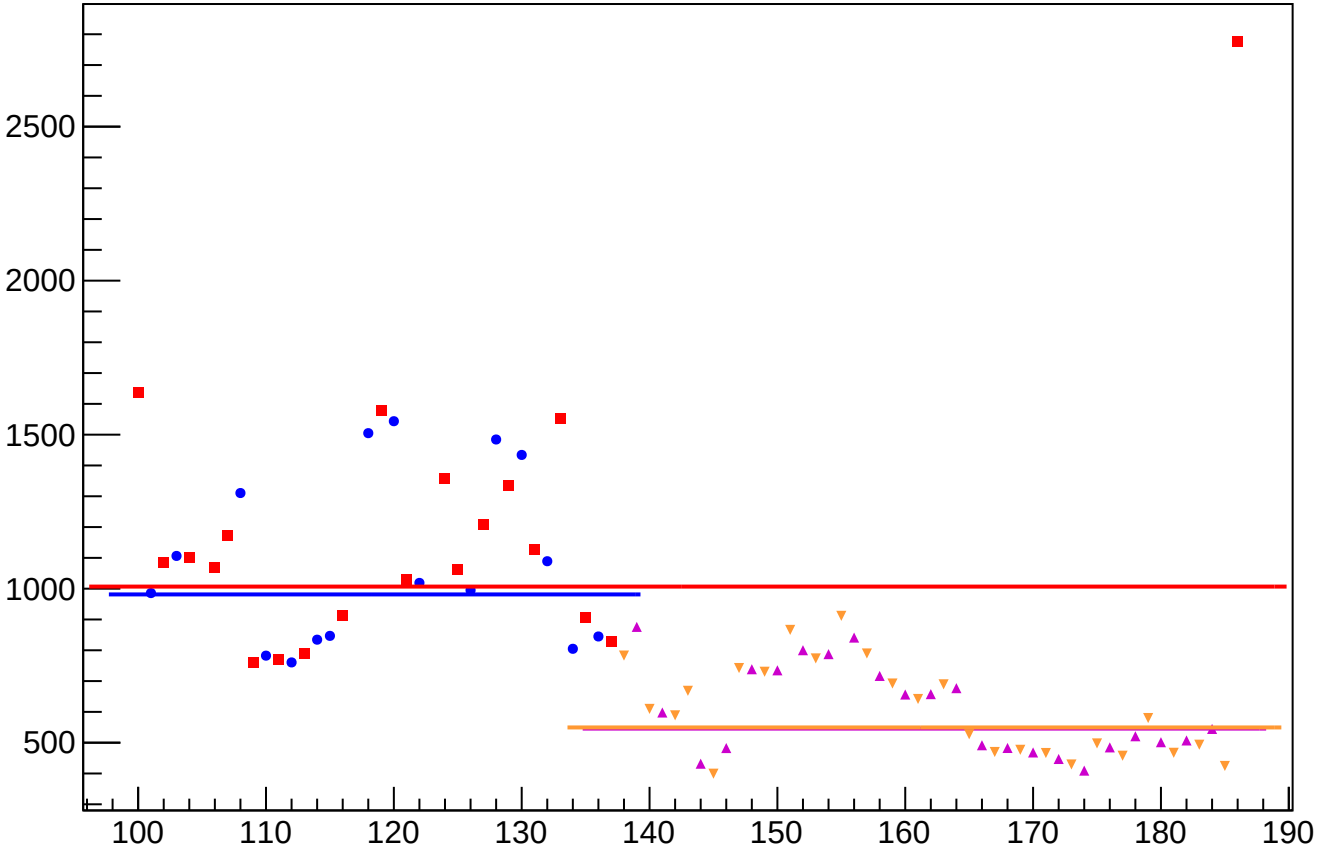
Right: -171.750+/-265.062 χ^2/NDF: 43.1/35

In: 42.145+/-123.982 χ^2/NDF:53.3/38

Out: 478.032+/-121.786 χ^2/NDF:90.8/44

All: 263.982+/-86.882 χ^2/NDF: 150.4/83

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

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

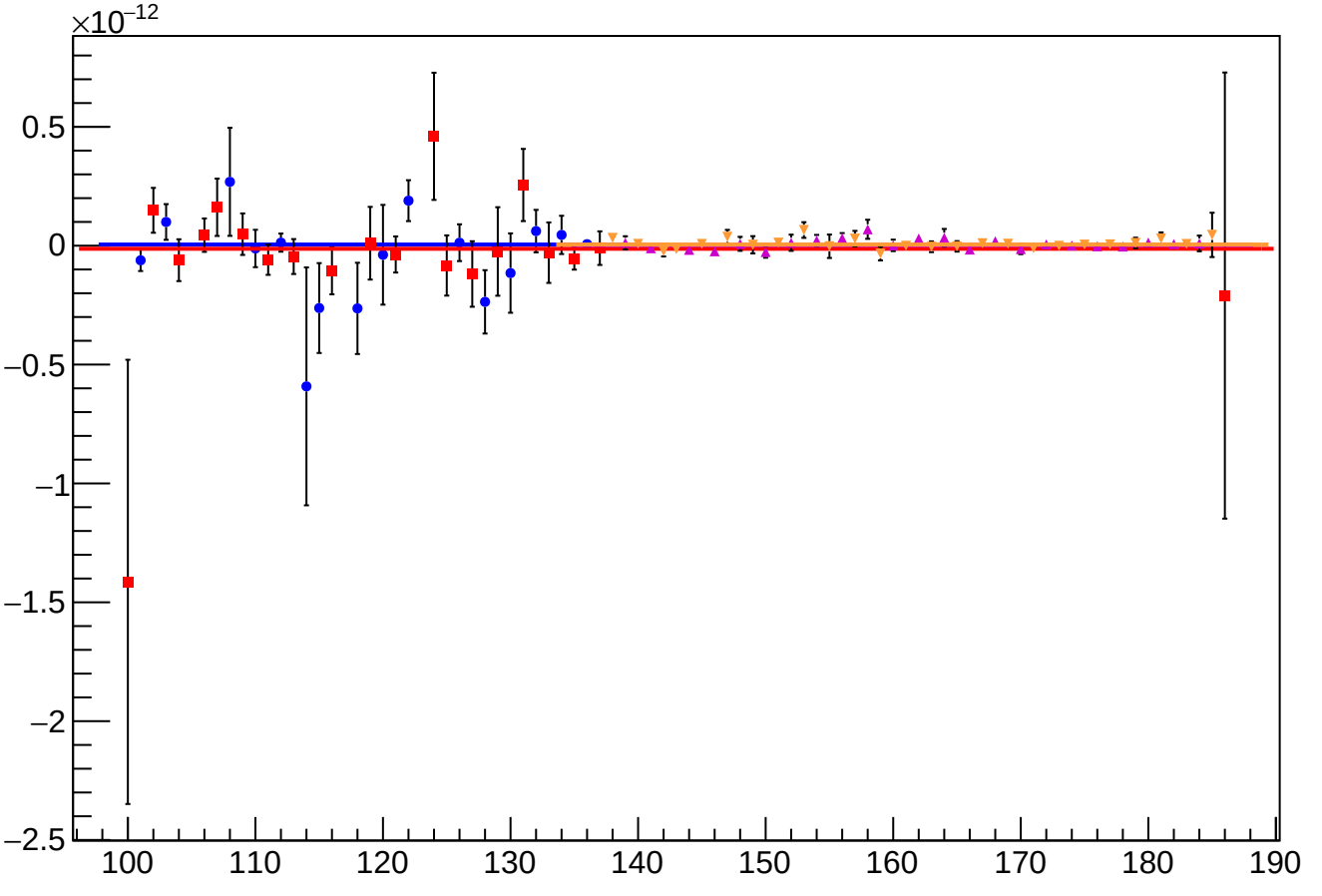
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 994.197+/-0.187 χ^2/NDF: 1795169.3/35

In: 592.855+/-0.088 χ^2/NDF:4935292.9/38

Out: 598.260+/-0.086 χ^2/NDF:5794223.5/44

All: 595.606+/-0.061 χ^2/NDF: 10731451.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

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

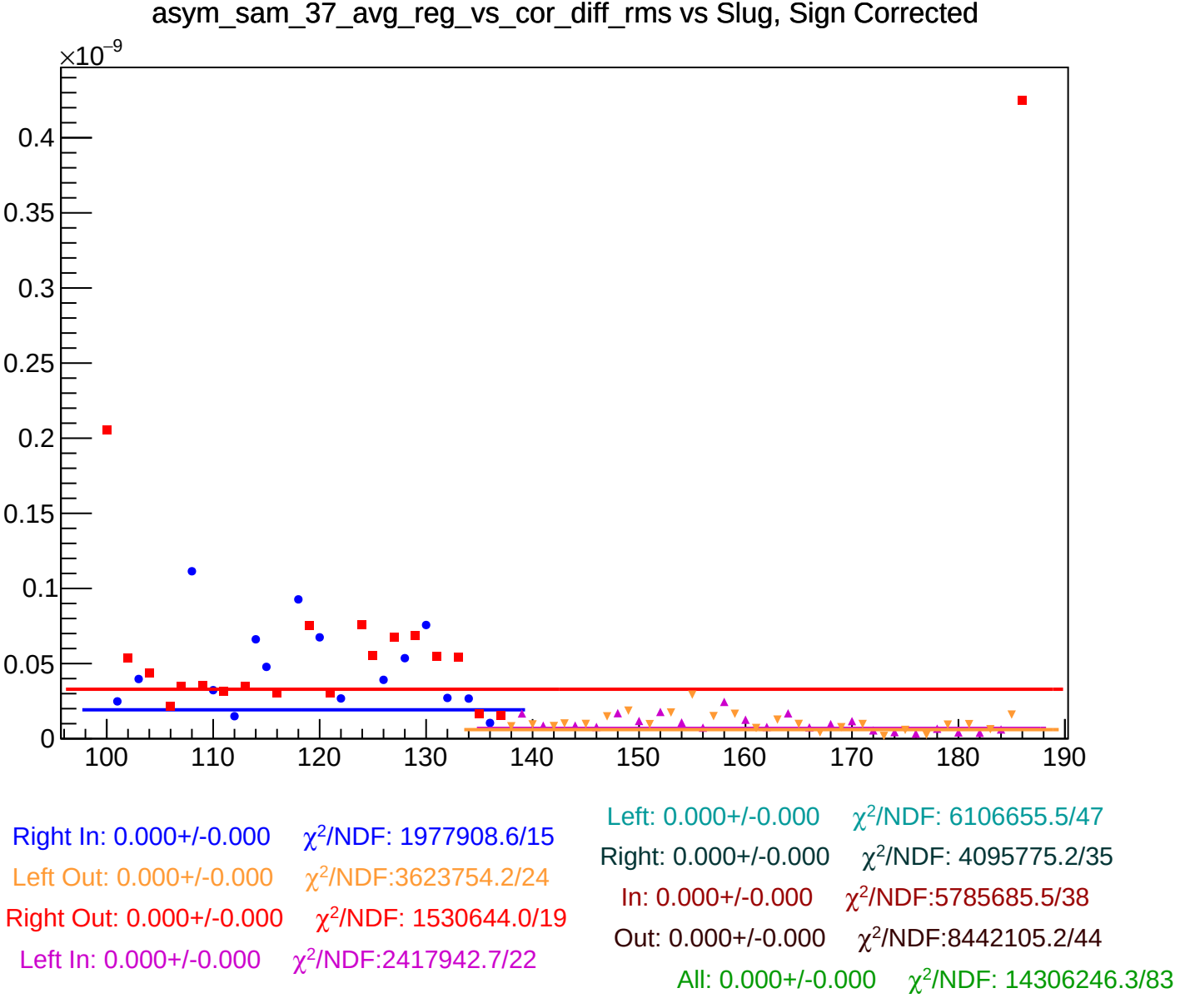
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

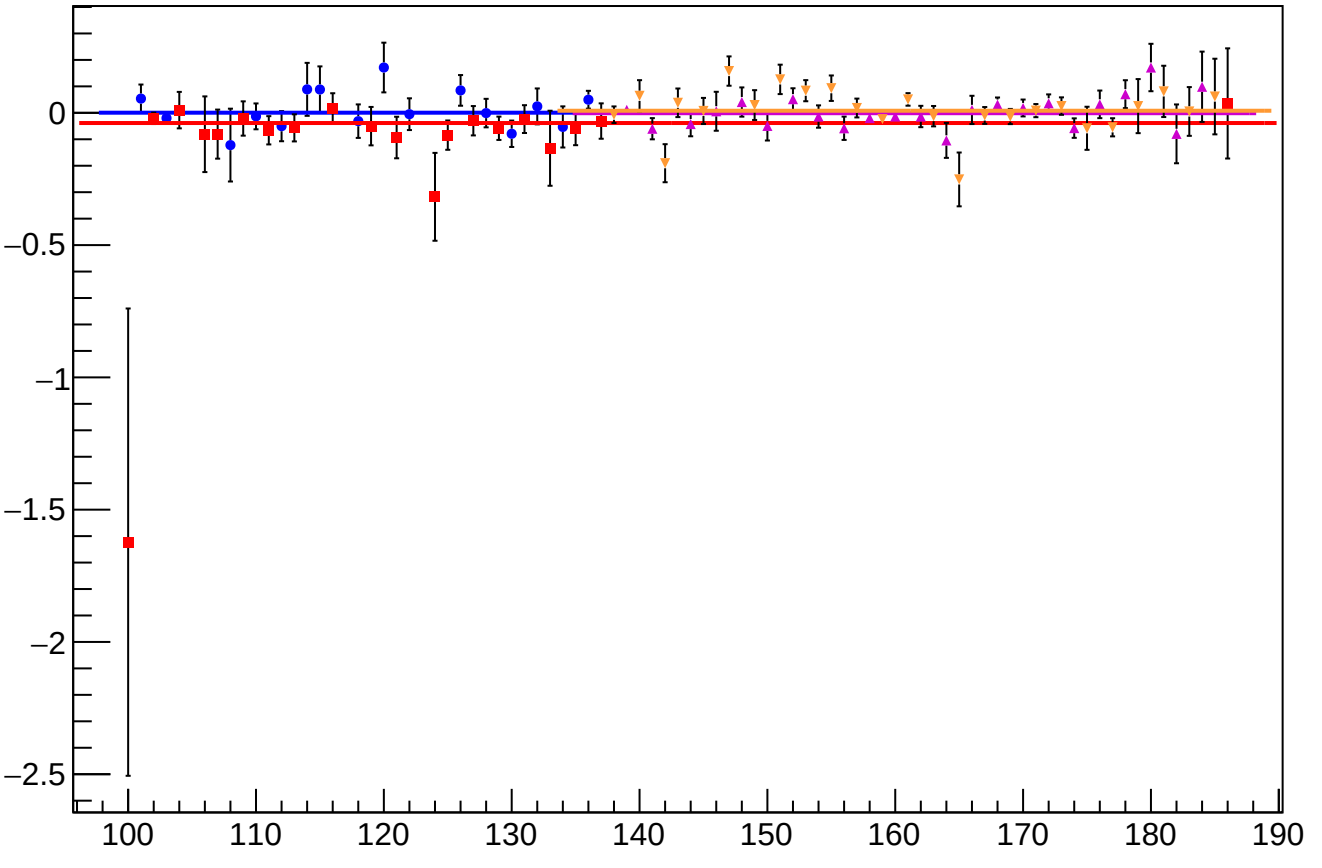
Right: -0.000+/-0.000 χ^2/NDF: 38.6/35

In: 0.000+/-0.000 χ^2/NDF:39.7/38

Out: 0.000+/-0.000 χ^2/NDF:34.8/44

All: 0.000+/-0.000 χ^2/NDF: 74.7/83


asym_sam_37_avg_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: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3623754.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1530644.0/19
Left In: 0.000+/-0.000 χ²/NDF:2417942.7/22
Left: 0.000+/-0.000 χ²/NDF: 6106655.5/47
Right: 0.000+/-0.000 χ²/NDF: 4095775.2/35
In: 0.000+/-0.000 χ²/NDF:5785685.5/38
Out: 0.000+/-0.000 χ²/NDF:8442105.2/44
All: 0.000+/-0.000 χ²/NDF: 14306246.3/83



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

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

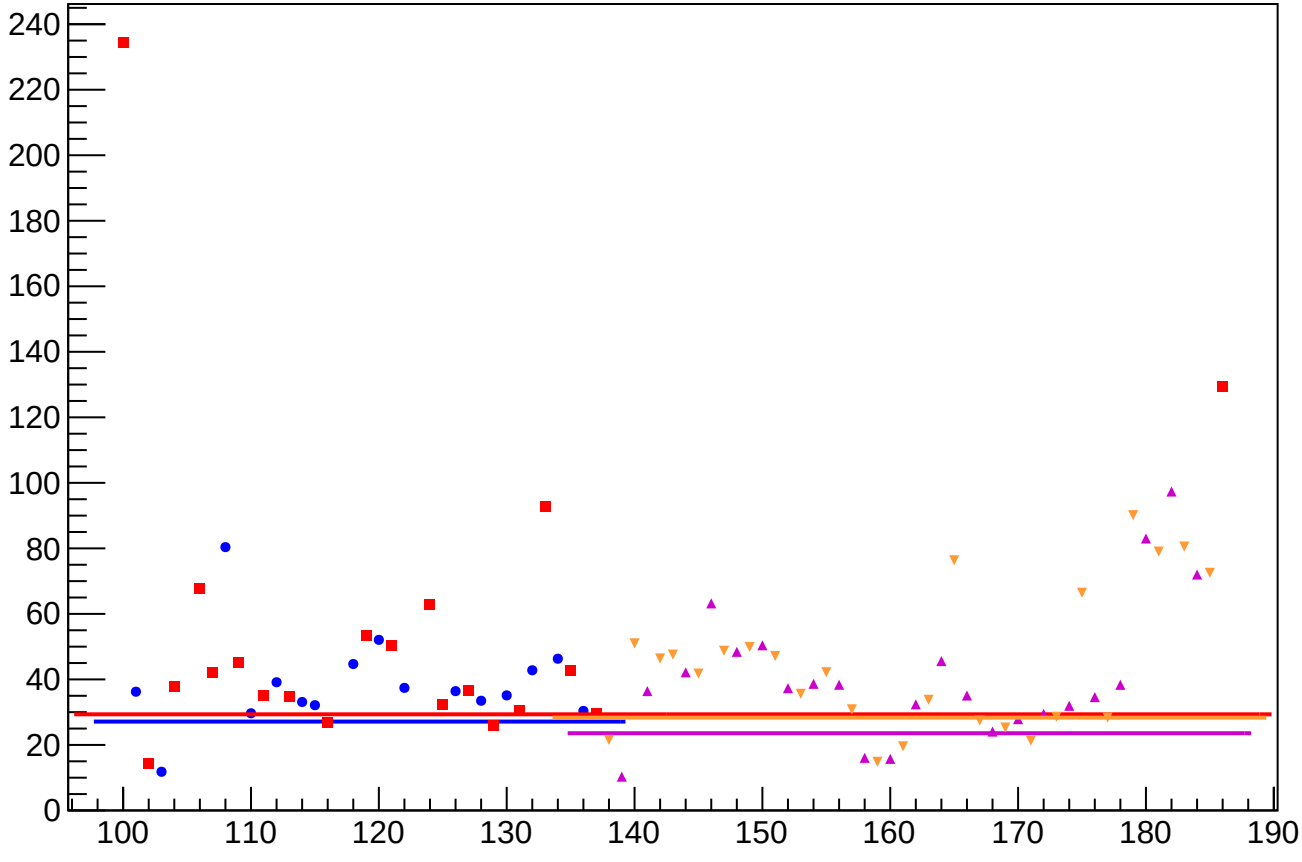
Right: -0.018+/-0.009 χ^2/NDF: 32.7/35

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.003+/-0.004 χ^2/NDF: 110.5/83

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 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

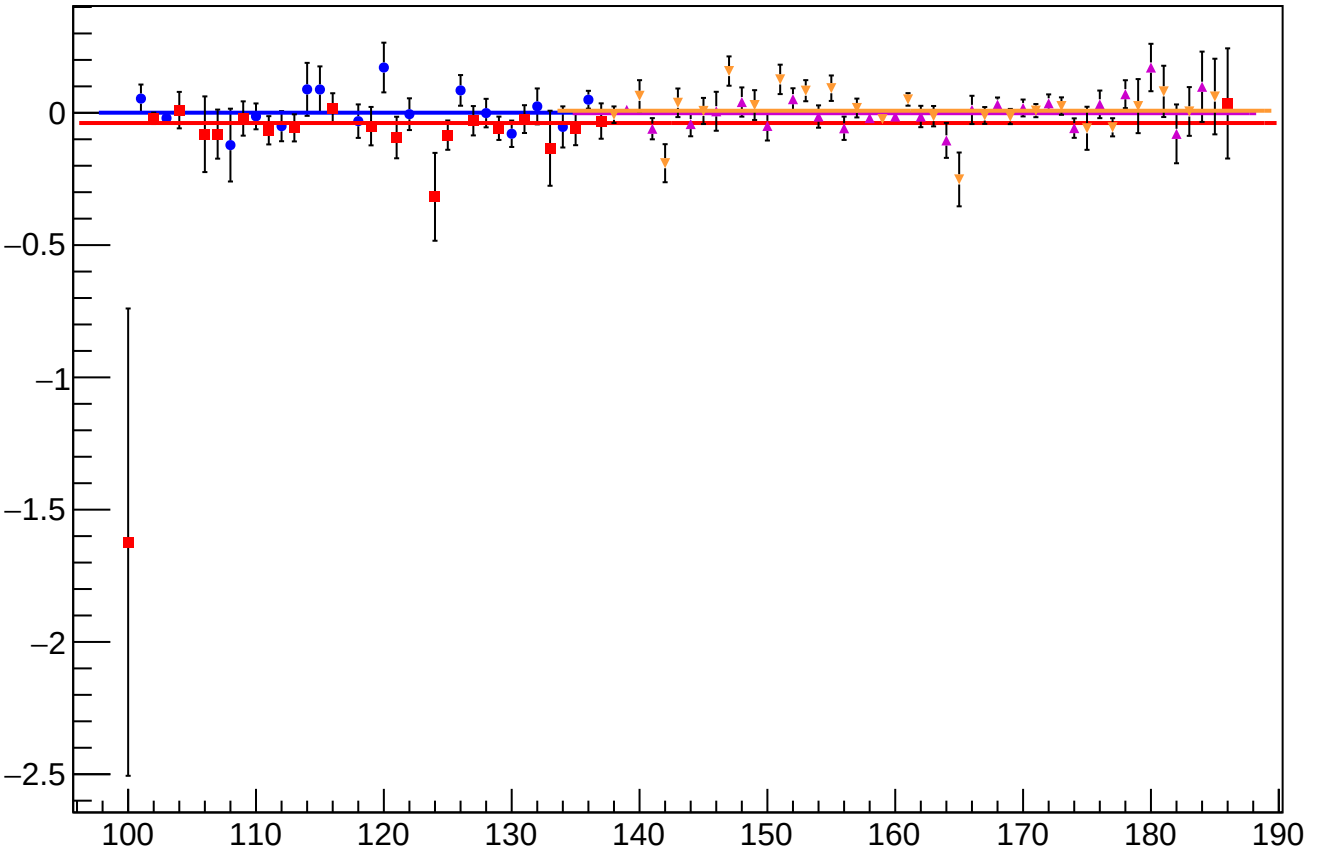
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 28.185+/-0.006 χ^2/NDF: 5366623.2/35

In: 24.434+/-0.004 χ^2/NDF:10811492.1/38

Out: 28.596+/-0.005 χ^2/NDF:9716863.2/44

All: 26.324+/-0.003 χ^2/NDF: 20976549.8/83



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

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

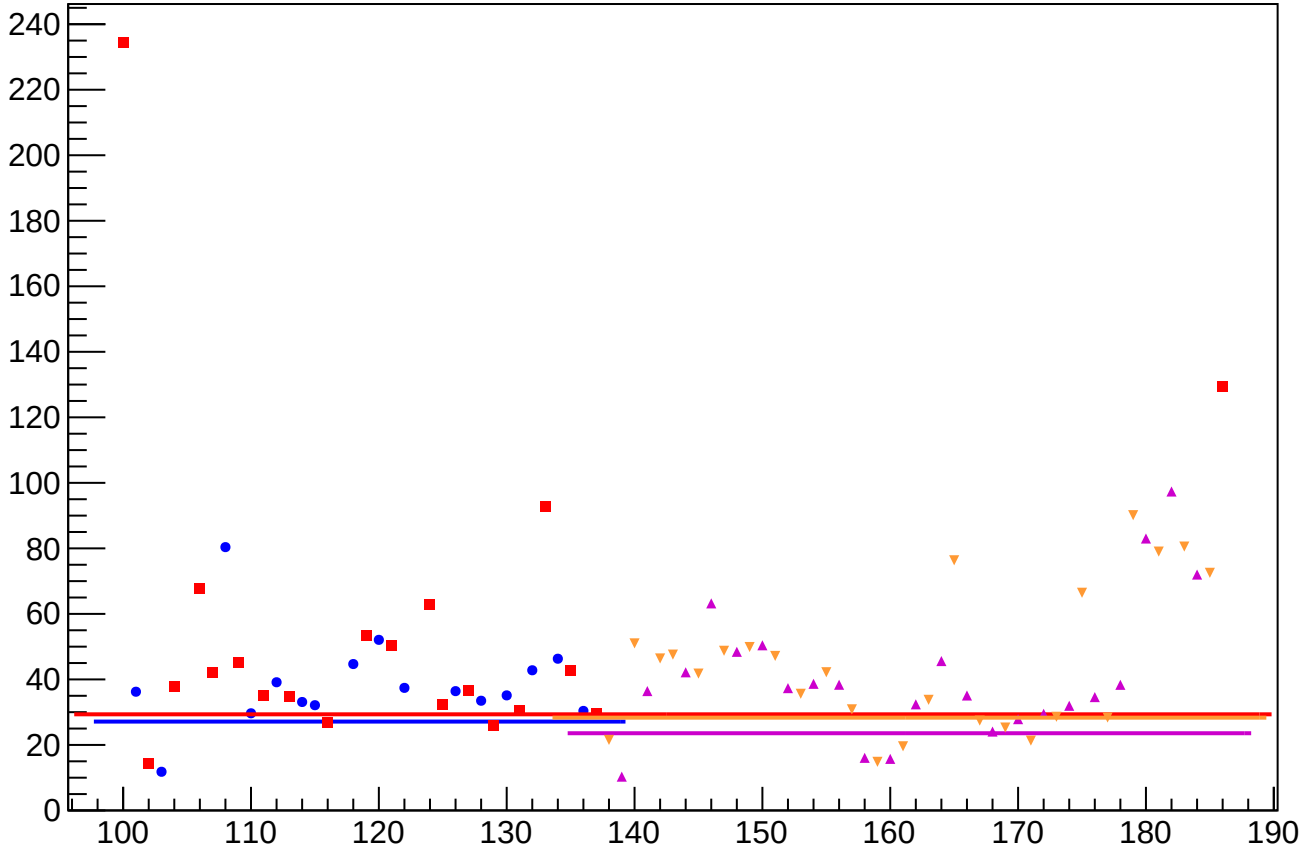
Right: -0.018+/-0.009 χ^2/NDF: 32.7/35

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.003+/-0.004 χ^2/NDF: 110.5/83

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 28.325+/-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

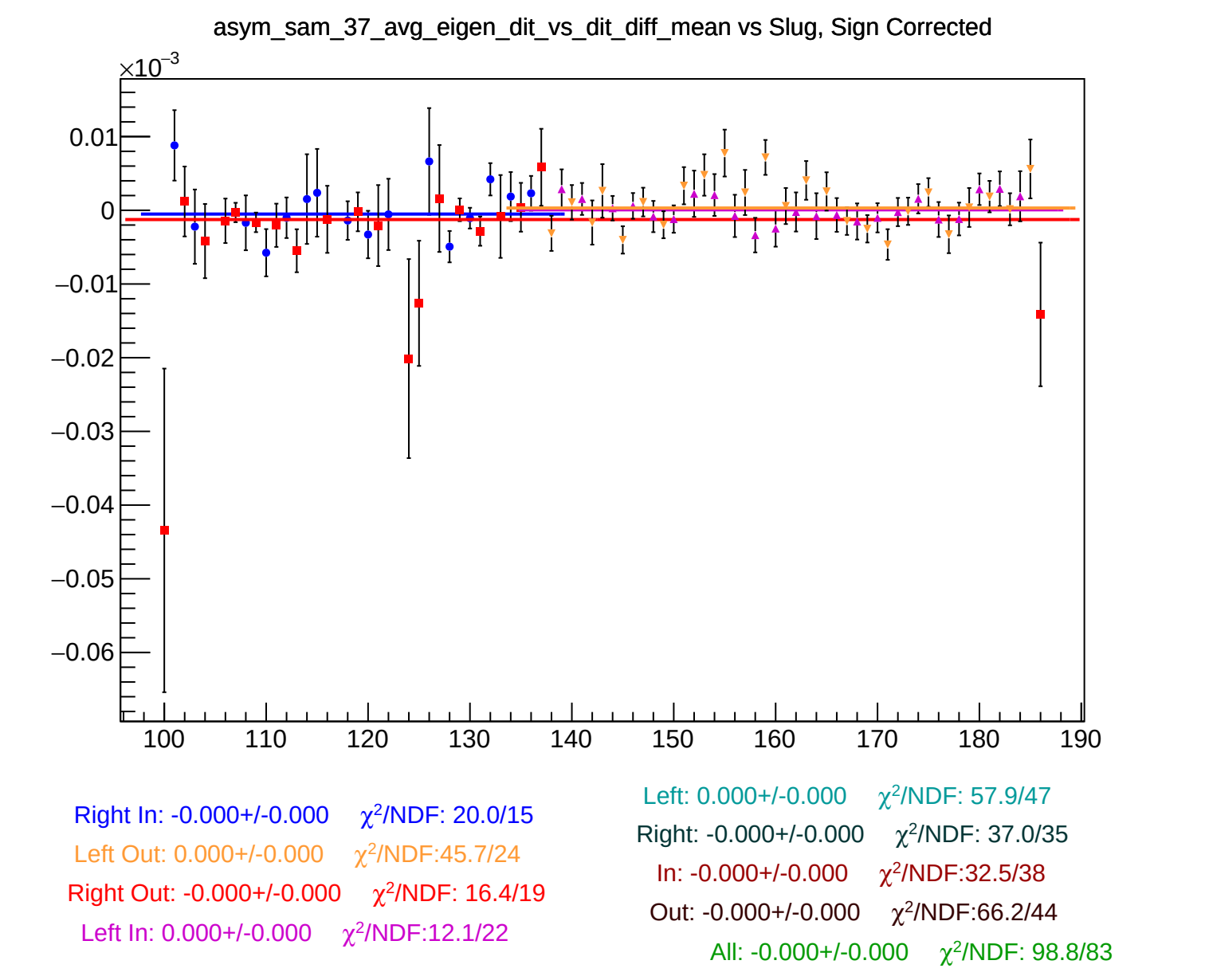
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

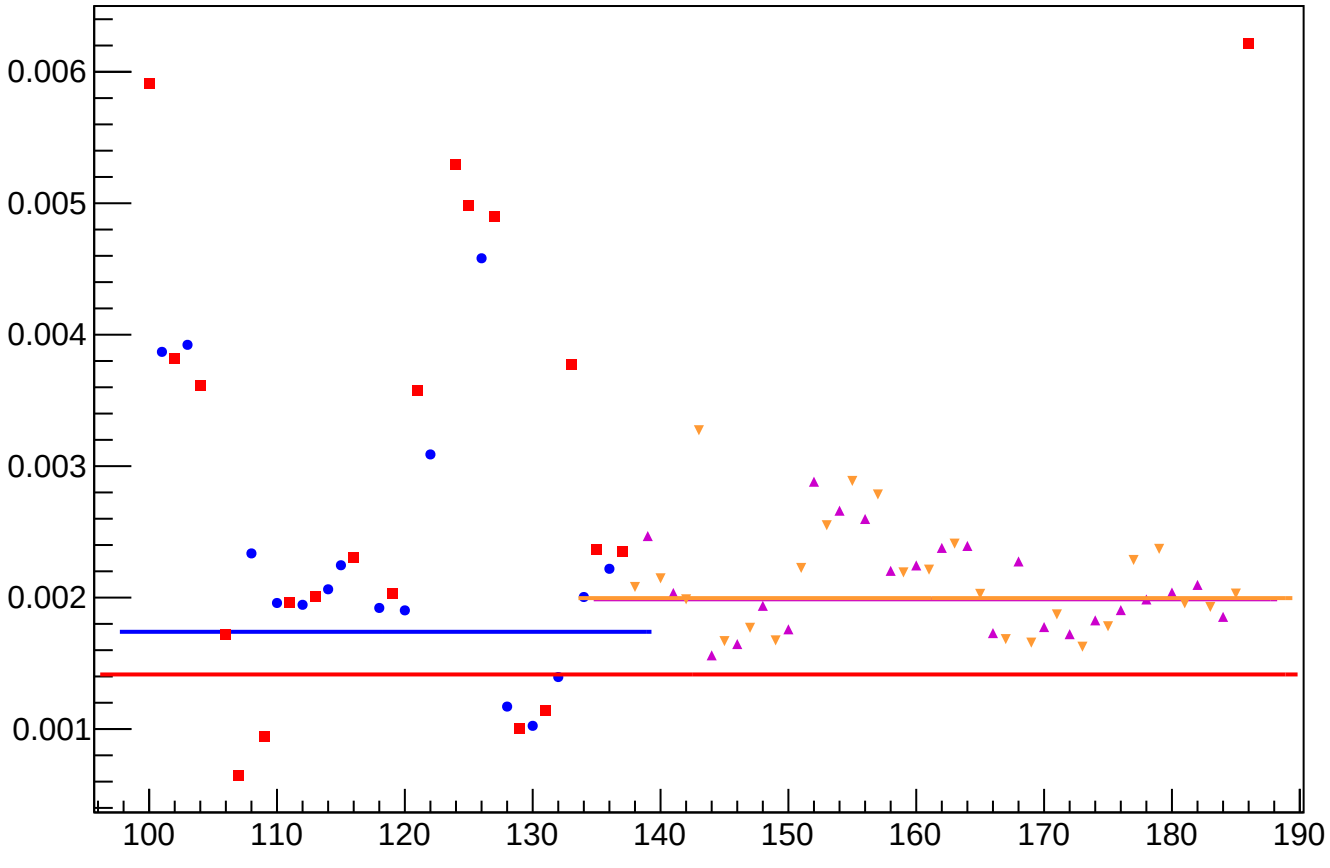
Right: 28.185+/-0.006 χ^2/NDF: 5366623.2/35

In: 24.434+/-0.004 χ^2/NDF:10811492.1/38

Out: 28.596+/-0.005 χ^2/NDF:9716863.2/44

All: 26.324+/-0.003 χ^2/NDF: 20976549.8/83


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.4/19
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 37.0/35
In: -0.000+/-0.000 χ²/NDF:32.5/38
Out: -0.000+/-0.000 χ²/NDF:66.2/44
All: -0.000+/-0.000 χ²/NDF: 98.8/83



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4810340.7/19

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

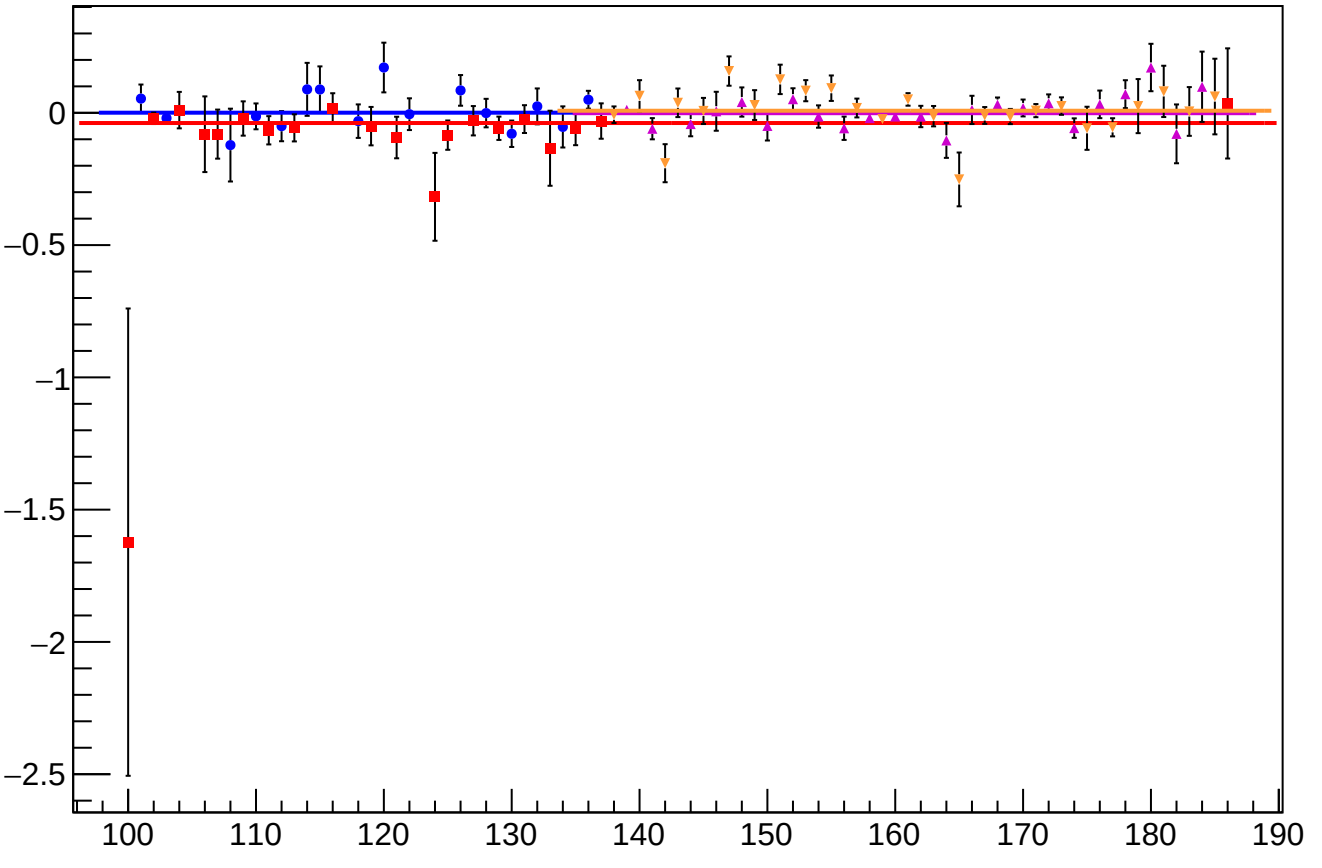
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 7194749.9/35

In: 0.002+/-0.000 χ^2/NDF:3236889.9/38

Out: 0.002+/-0.000 χ^2/NDF:7133166.6/44

All: 0.002+/-0.000 χ^2/NDF: 10482577.8/83



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

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

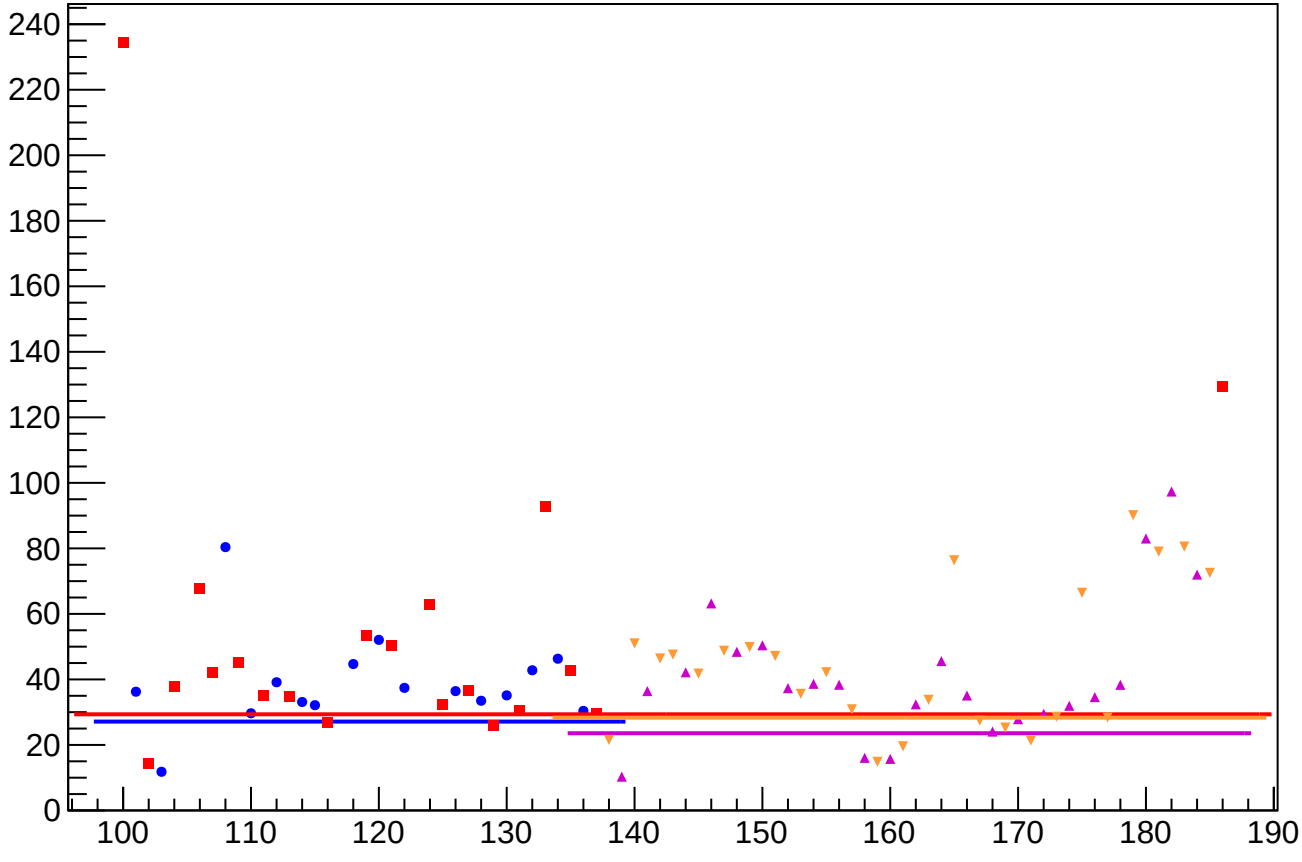
Right: -0.018+/-0.009 χ^2/NDF: 32.7/35

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.003+/-0.004 χ^2/NDF: 110.5/83

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 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

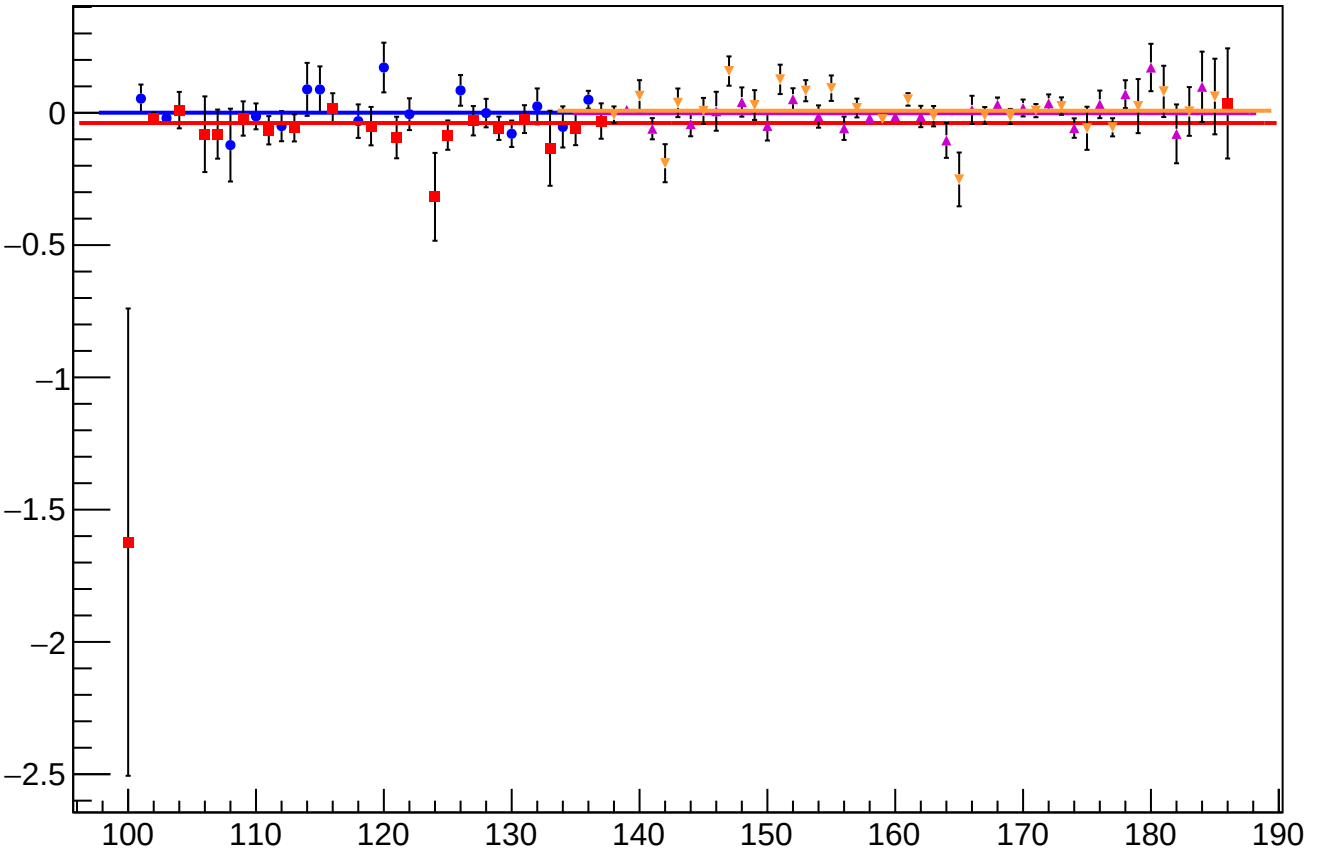
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 28.186+/-0.006 χ^2/NDF: 5366438.0/35

In: 24.433+/-0.004 χ^2/NDF:10812917.2/38

Out: 28.596+/-0.005 χ^2/NDF:9716760.1/44

All: 26.324+/-0.003 χ^2/NDF: 20978197.8/83



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

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

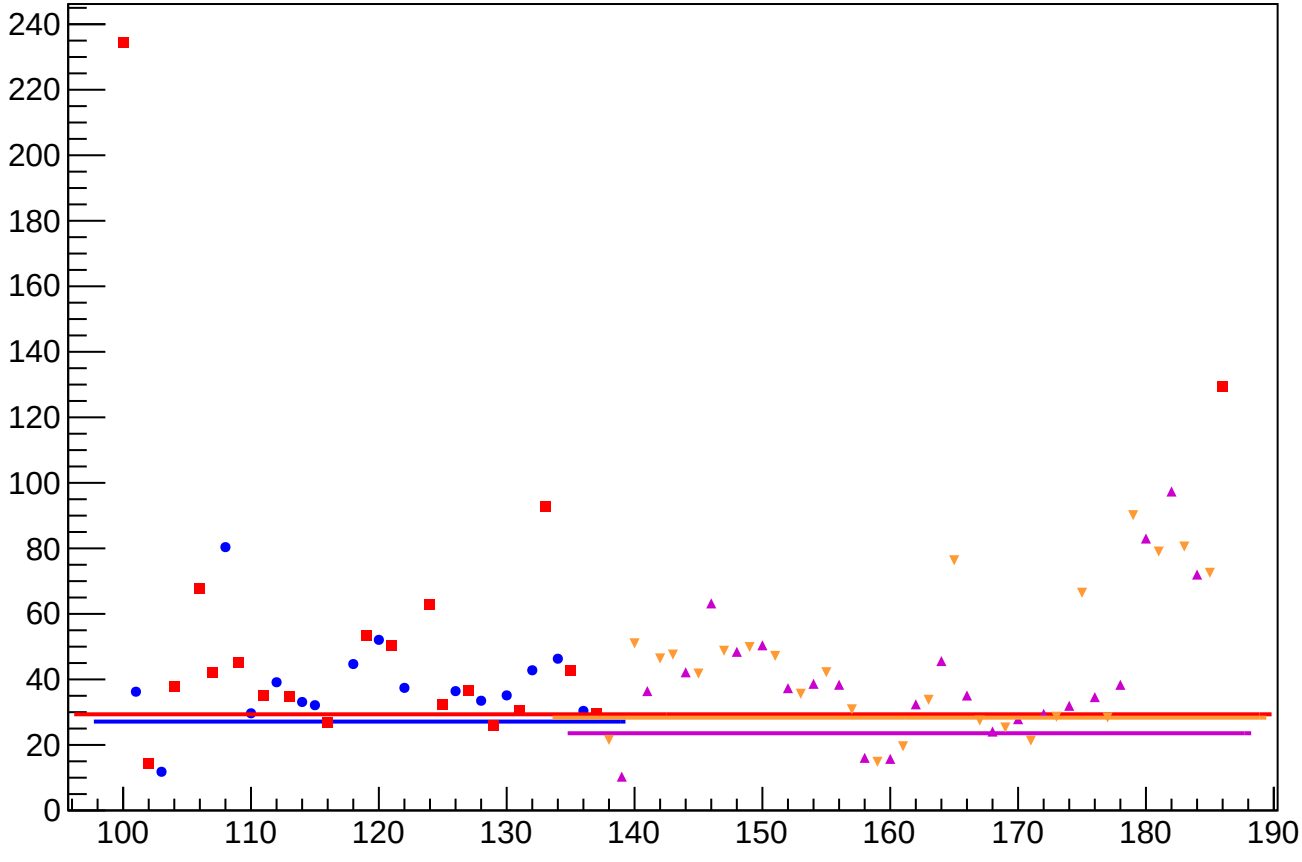
Right: -0.018+/-0.009 χ^2/NDF: 32.7/35

In: -0.001+/-0.006 χ^2/NDF:41.7/38

Out: -0.004+/-0.006 χ^2/NDF:68.7/44

All: -0.003+/-0.004 χ^2/NDF: 110.5/83

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 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

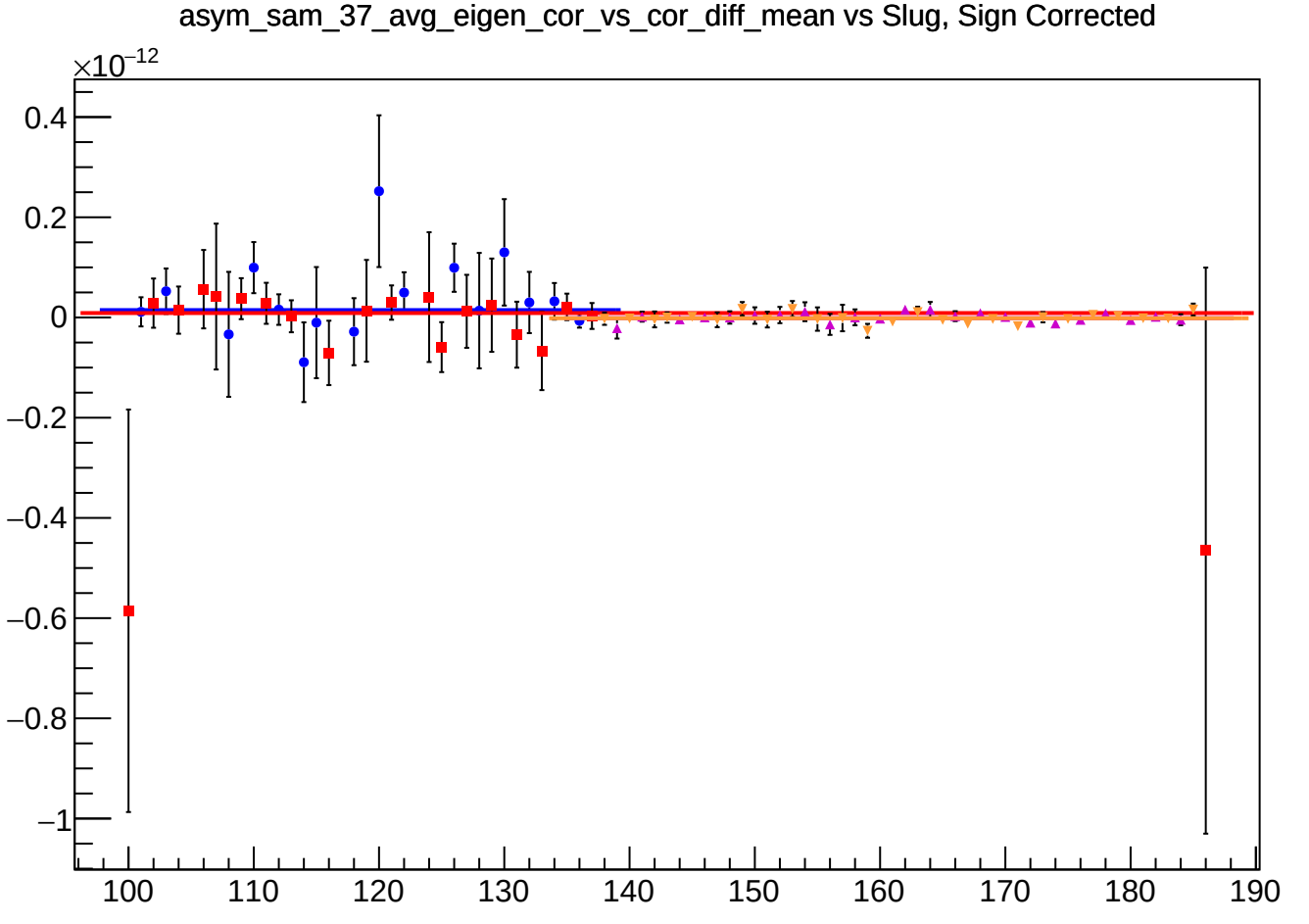
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

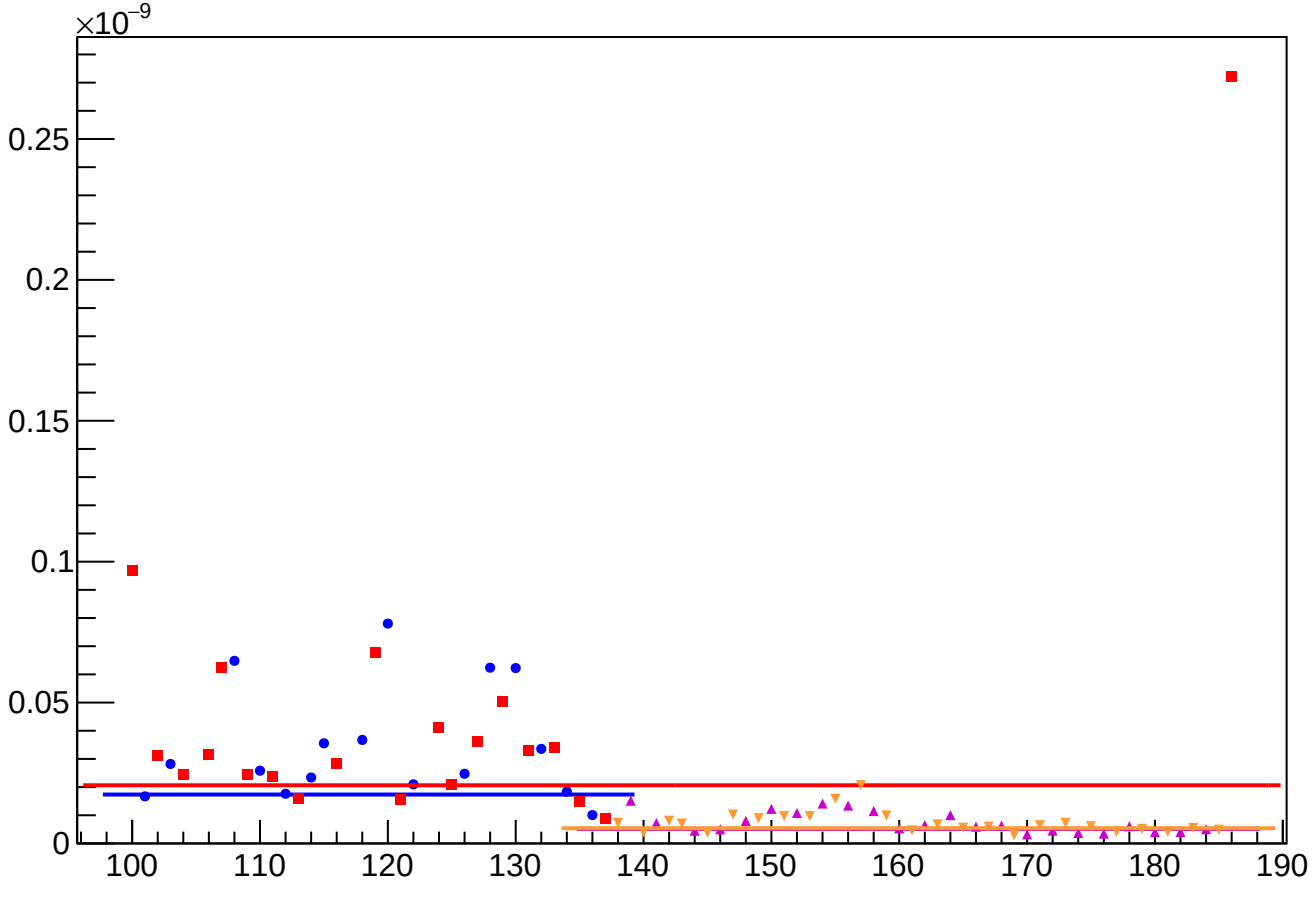
Right: 28.186+/-0.006 χ^2/NDF: 5366438.0/35

In: 24.433+/-0.004 χ^2/NDF:10812917.2/38

Out: 28.596+/-0.005 χ^2/NDF:9716760.1/44

All: 26.324+/-0.003 χ^2/NDF: 20978197.8/83


asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:17.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 9.7/19
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 33.5/47
Right: 0.000+/-0.000 χ²/NDF: 25.8/35
In: -0.000+/-0.000 χ²/NDF:34.7/38
Out: -0.000+/-0.000 χ²/NDF:28.2/44
All: -0.000+/-0.000 χ²/NDF: 62.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

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

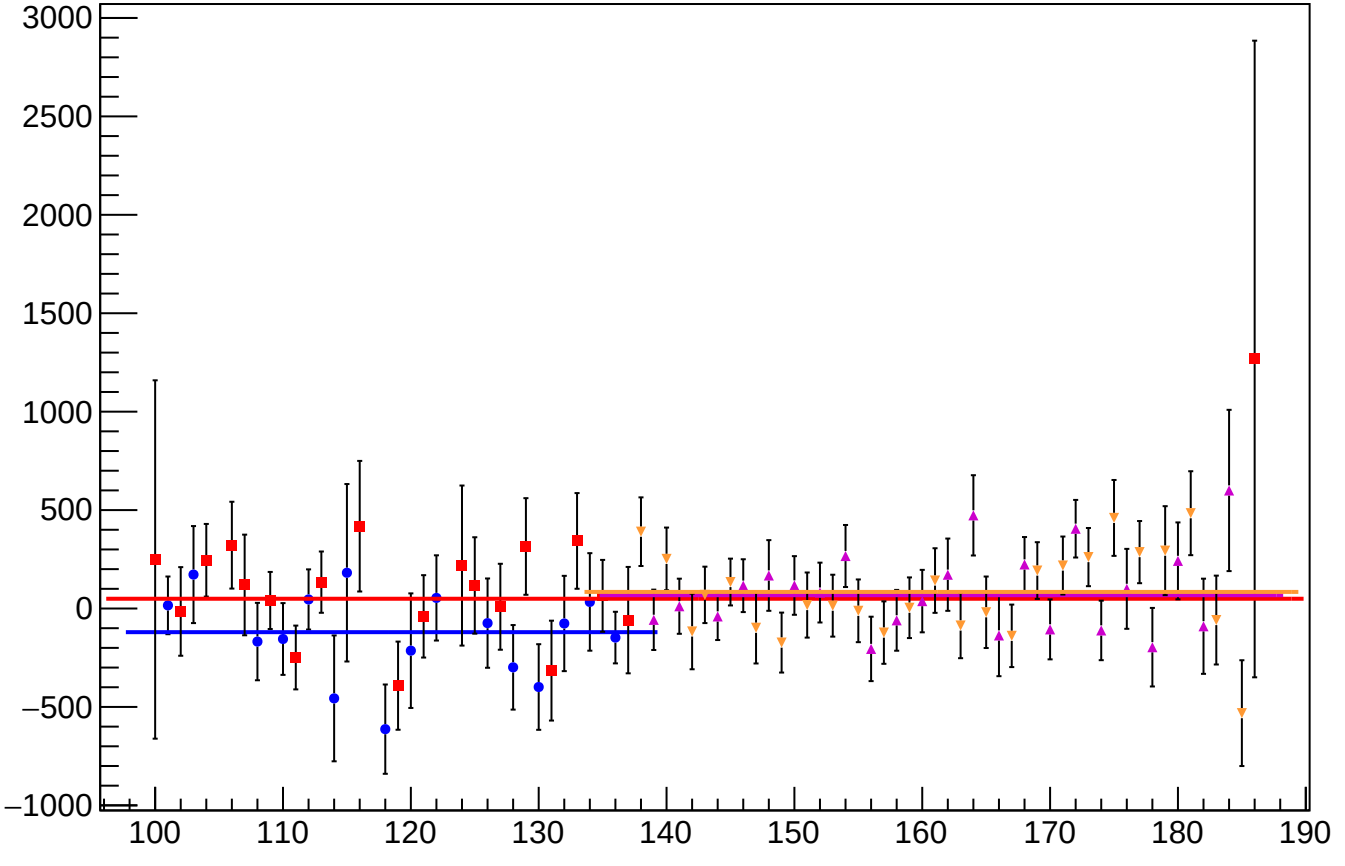
Right: 0.000+/-0.000 χ^2/NDF: 4870008.1/35

In: 0.000+/-0.000 χ^2/NDF:9052627.4/38

Out: 0.000+/-0.000 χ^2/NDF:9252483.3/44

All: 0.000+/-0.000 χ^2/NDF: 18324540.2/83

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

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

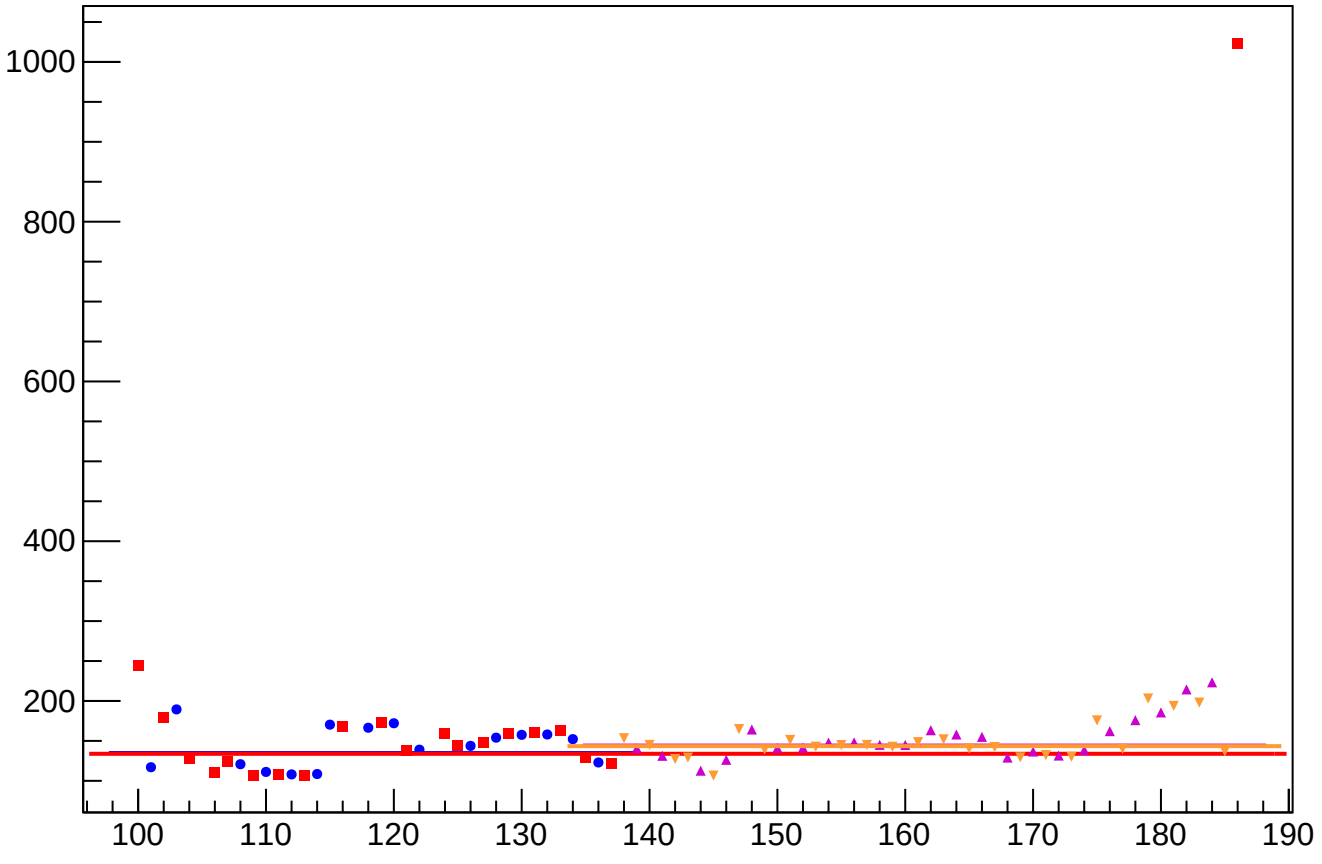
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -33.229+/-35.697 χ^2/NDF: 36.6/35

In: 9.700+/-28.386 χ^2/NDF:49.3/38

Out: 73.741+/-27.544 χ^2/NDF:51.7/44

All: 42.685+/-19.767 χ^2/NDF: 103.6/83



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

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

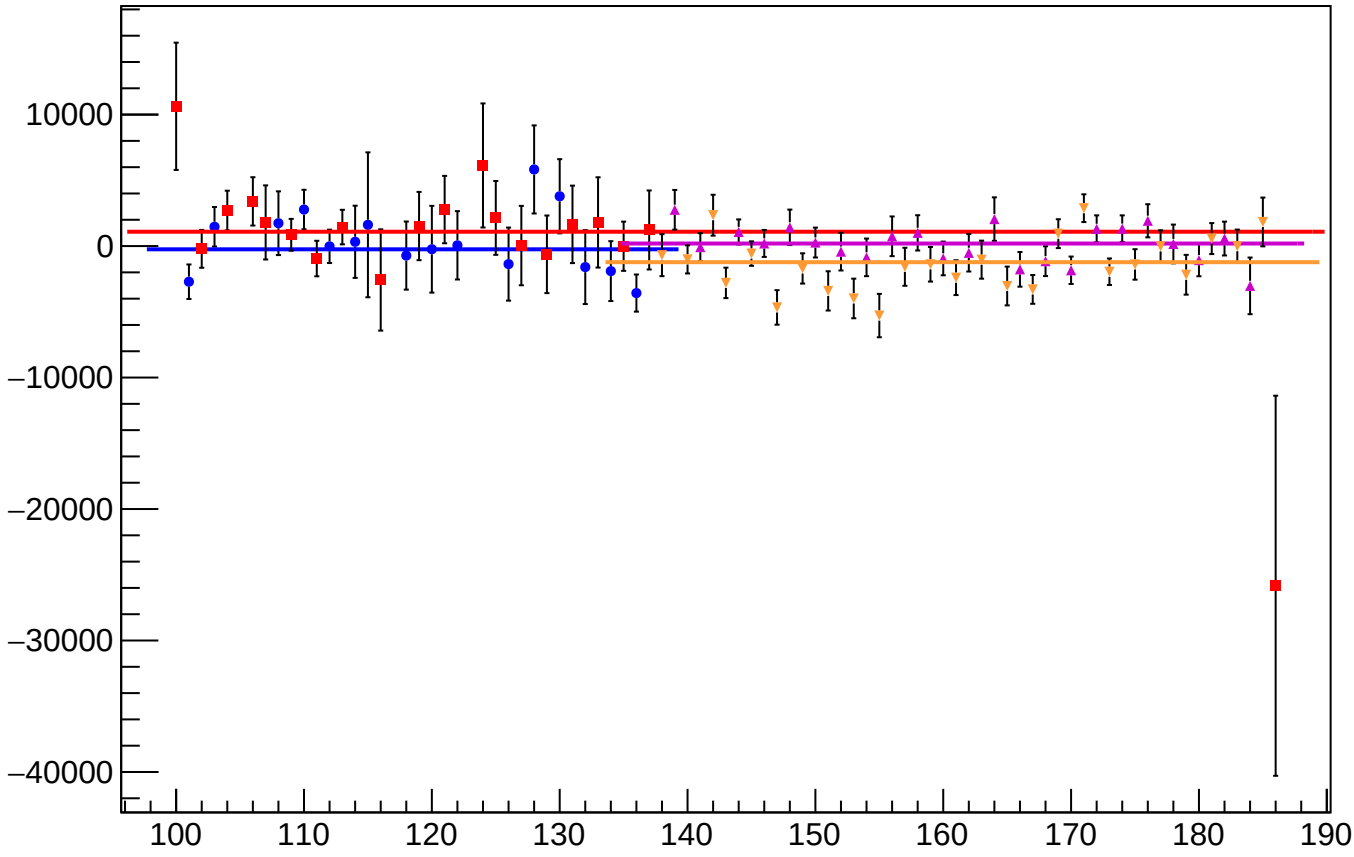
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 134.308+/-0.025 χ^2/NDF: 1518004.4/35

In: 141.270+/-0.020 χ^2/NDF:1166275.8/38

Out: 140.524+/-0.019 χ^2/NDF:1899187.9/44

All: 140.886+/-0.014 χ^2/NDF: 3066176.0/83



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1091.144+/-468.154 χ^2/NDF: 16.9/19

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

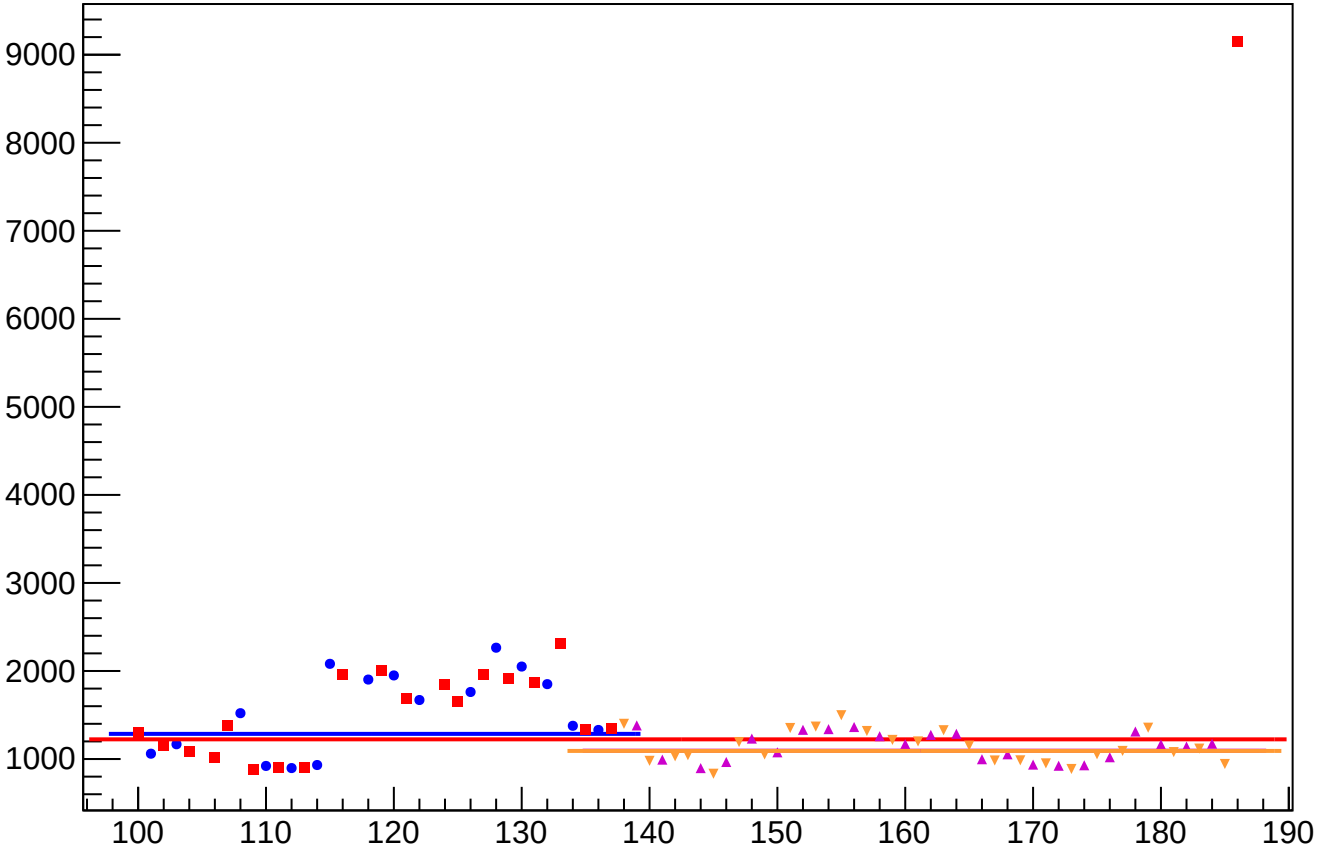
Right: 468.220+/-342.189 χ^2/NDF: 42.3/35

In: 101.144+/-230.059 χ^2/NDF:45.5/38

Out: -705.447+/-221.736 χ^2/NDF:95.1/44

All: -317.006+/-159.652 χ^2/NDF: 147.0/83

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 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

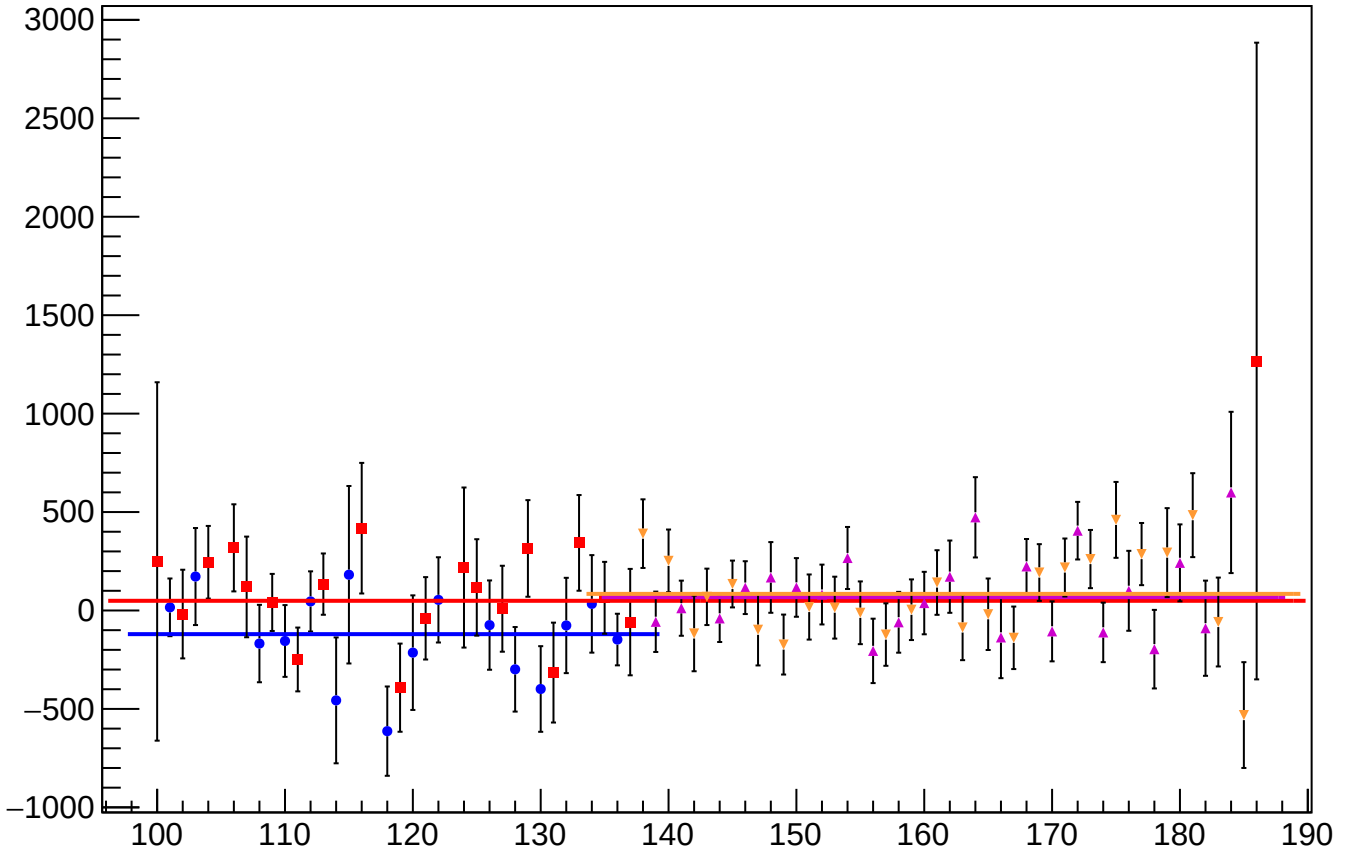
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1252.486+/-0.242 χ^2/NDF: 3175099.2/35

In: 1134.727+/-0.163 χ^2/NDF:2132979.6/38

Out: 1121.498+/-0.157 χ^2/NDF:3003259.3/44

All: 1127.869+/-0.113 χ^2/NDF: 5139667.6/83



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

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

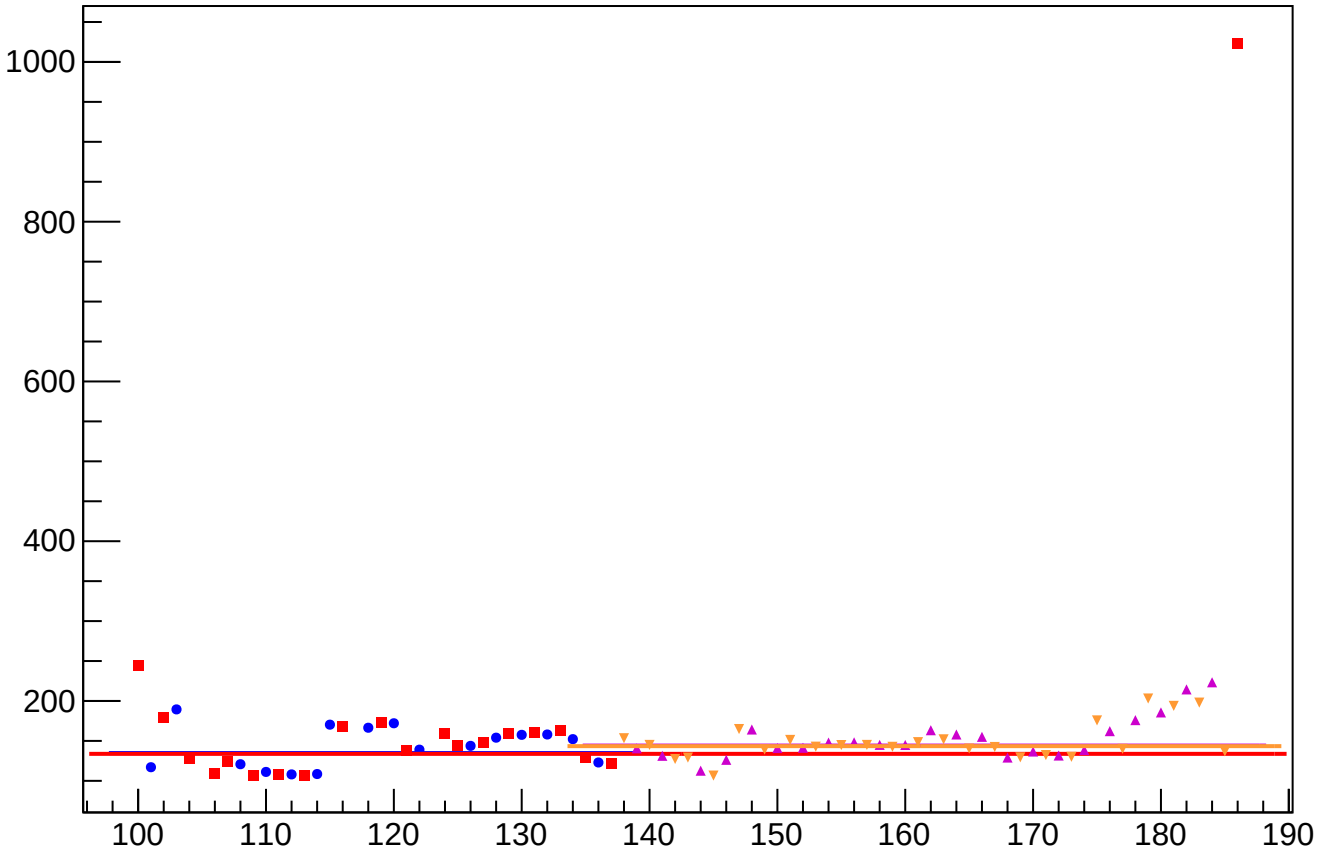
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -33.473+/-35.701 χ^2/NDF: 36.6/35

In: 9.698+/-28.386 χ^2/NDF:49.3/38

Out: 73.621+/-27.545 χ^2/NDF:51.7/44

All: 42.620+/-19.768 χ^2/NDF: 103.6/83



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

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

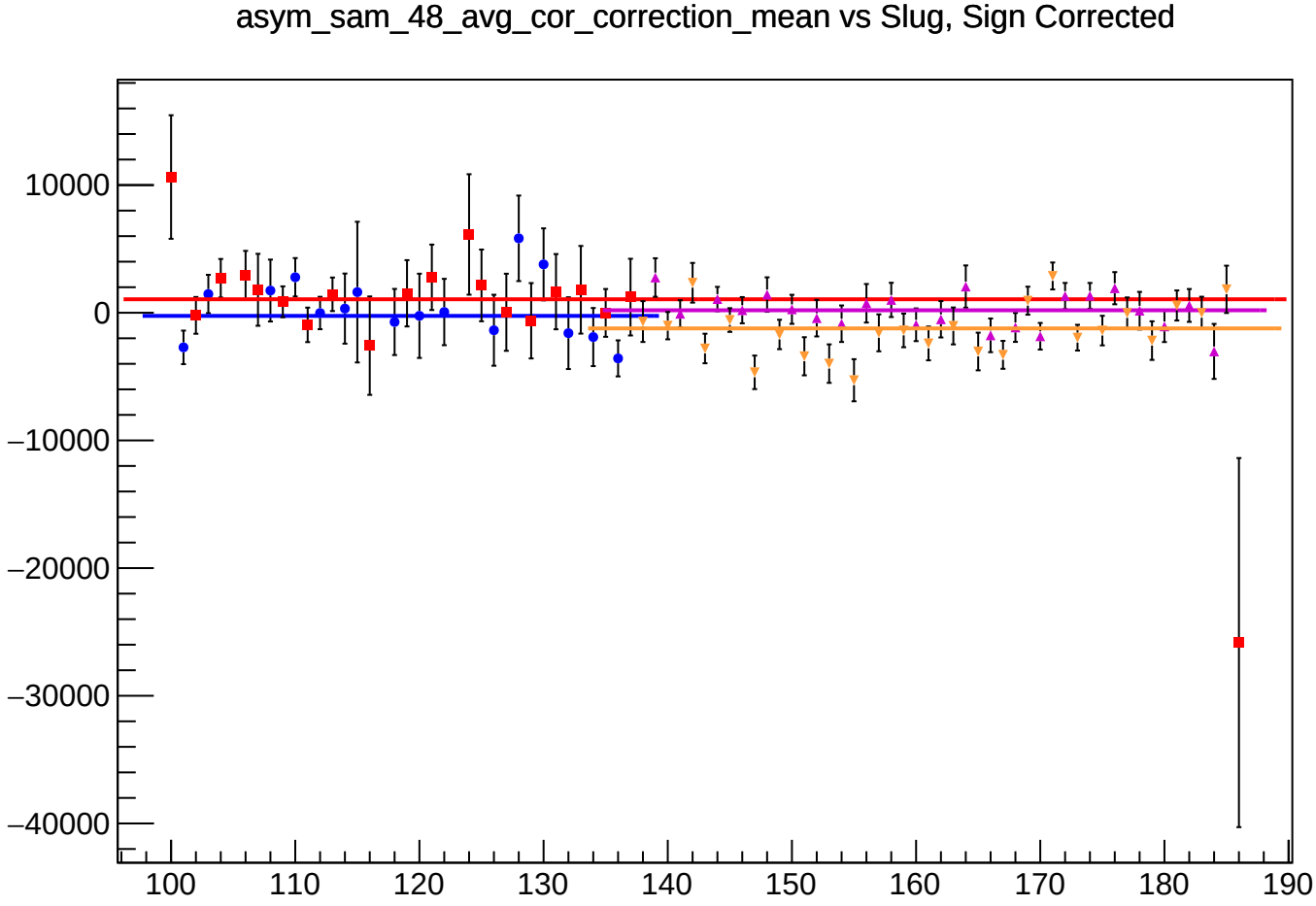
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 134.271+/-0.025 χ^2/NDF: 1521292.4/35

In: 141.270+/-0.020 χ^2/NDF:1166278.7/38

Out: 140.503+/-0.019 χ^2/NDF:1903179.9/44

All: 140.875+/-0.014 χ^2/NDF: 3070212.0/83



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

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

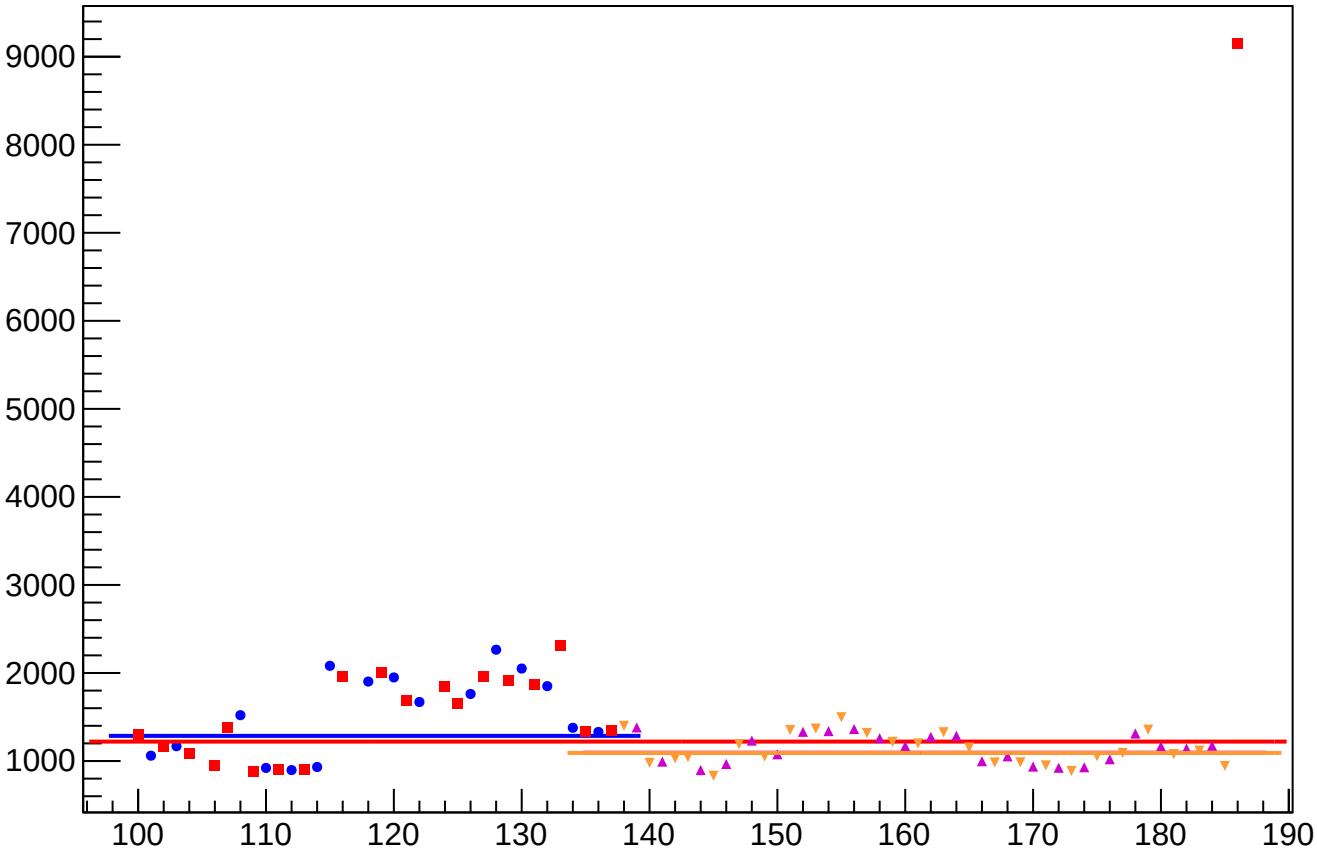
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 448.005+/-342.550 χ^2/NDF: 41.5/35

In: 101.133+/-230.060 χ^2/NDF:45.5/38

Out: -714.936+/-221.834 χ^2/NDF:93.9/44

All: -321.752+/-159.689 χ^2/NDF: 145.9/83



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

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

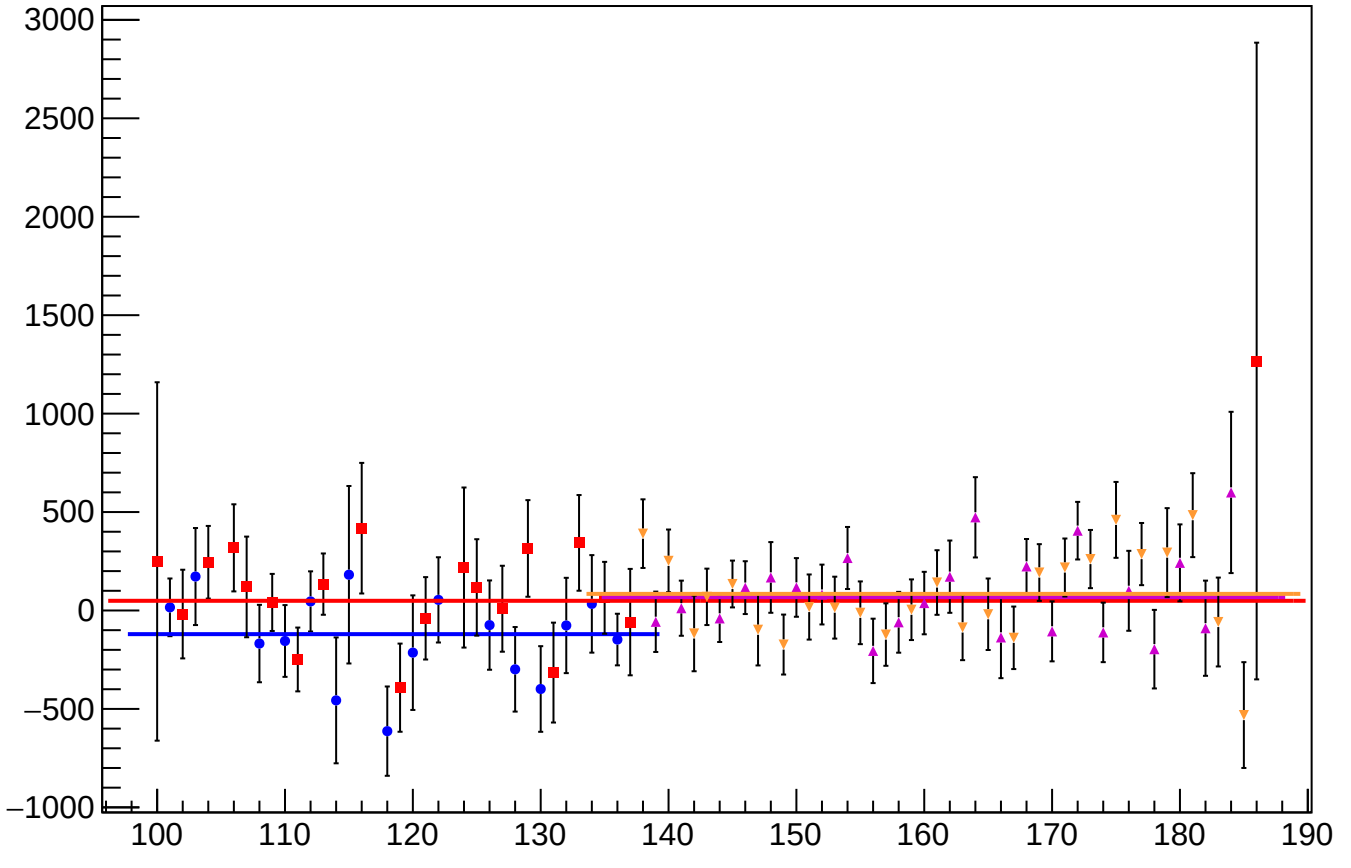
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1250.993+/-0.242 χ^2/NDF: 3191421.6/35

In: 1134.730+/-0.163 χ^2/NDF:2132983.8/38

Out: 1120.753+/-0.157 χ^2/NDF:3012304.7/44

All: 1127.487+/-0.113 χ^2/NDF: 5149113.6/83



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

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

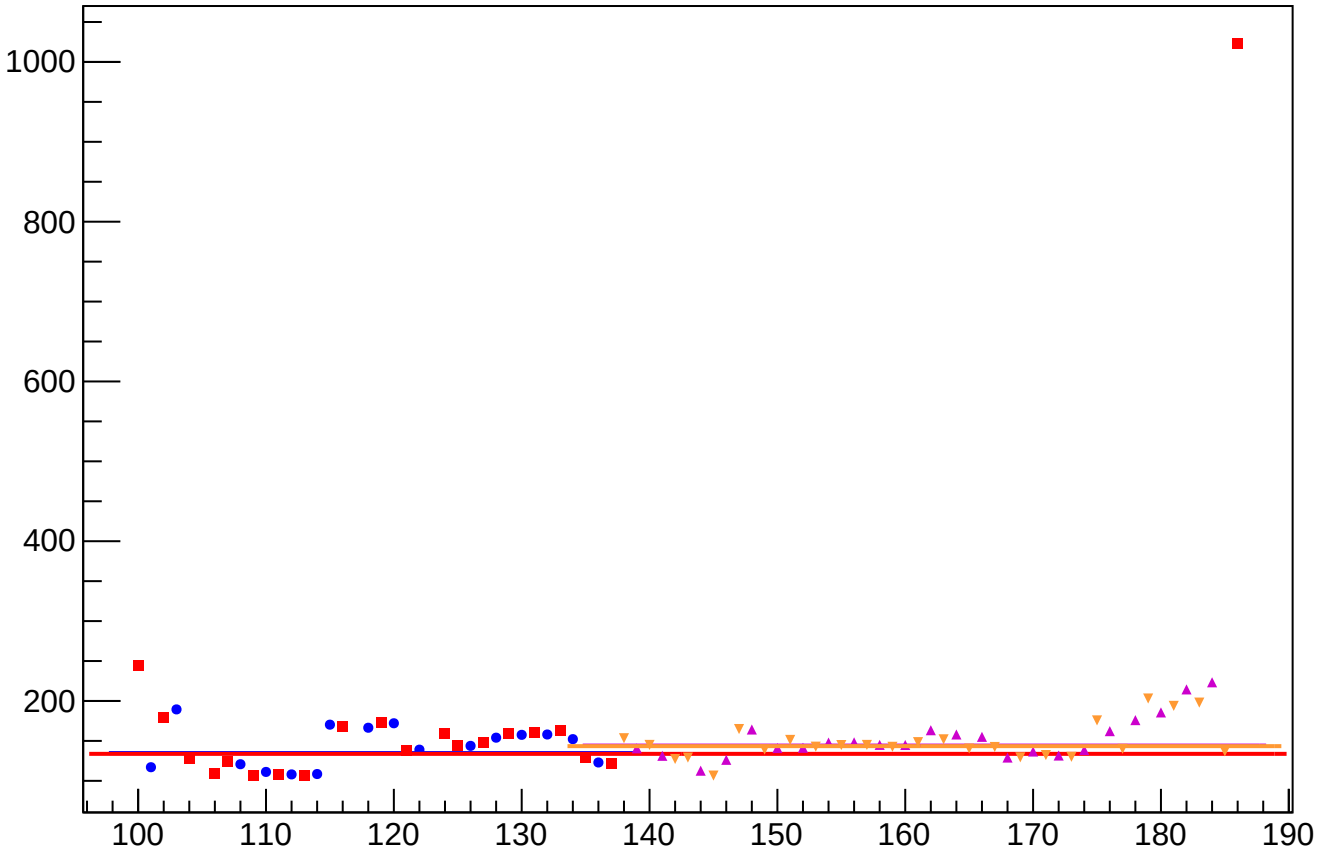
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -33.473+/-35.701 χ^2/NDF: 36.6/35

In: 9.698+/-28.386 χ^2/NDF:49.3/38

Out: 73.621+/-27.545 χ^2/NDF:51.7/44

All: 42.620+/-19.768 χ^2/NDF: 103.6/83



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

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

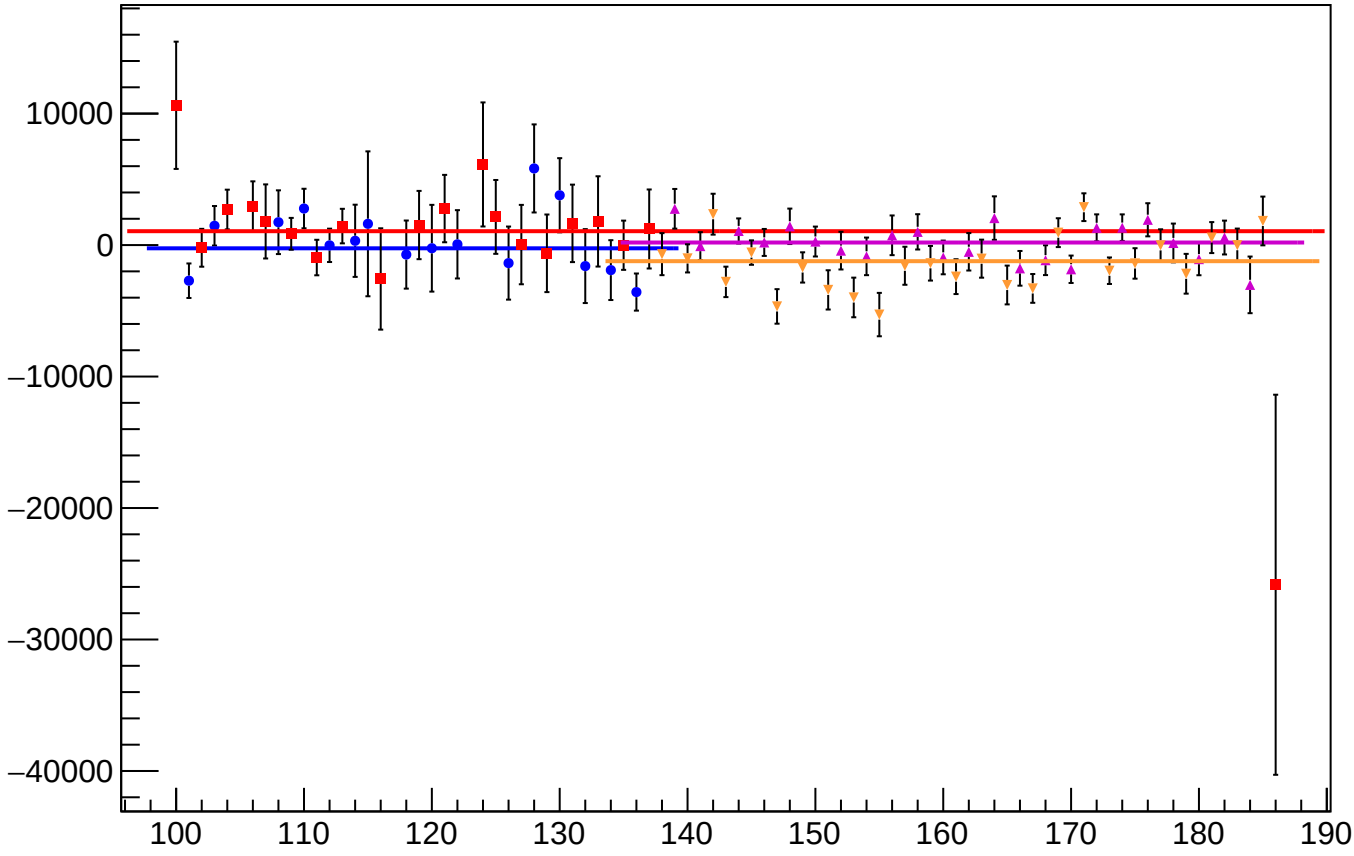
Right: 134.271+/-0.025 χ^2/NDF: 1521292.4/35

In: 141.270+/-0.020 χ^2/NDF:1166278.7/38

Out: 140.503+/-0.019 χ^2/NDF:1903179.9/44

All: 140.875+/-0.014 χ^2/NDF: 3070212.0/83

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -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

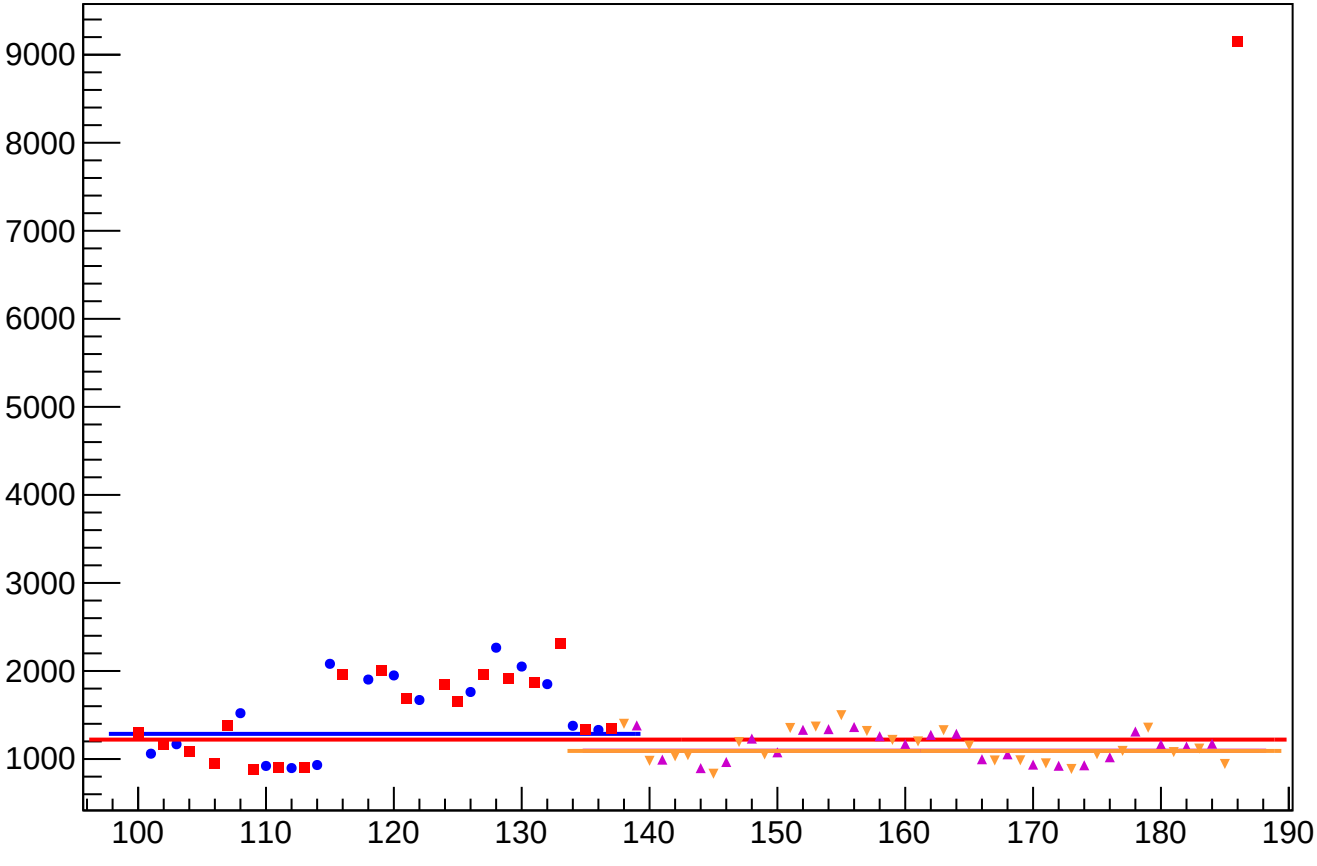
Right: 448.005+/-342.550 χ^2/NDF: 41.5/35

In: 101.133+/-230.060 χ^2/NDF:45.5/38

Out: -714.936+/-221.834 χ^2/NDF:93.9/44

All: -321.752+/-159.689 χ^2/NDF: 145.9/83

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

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

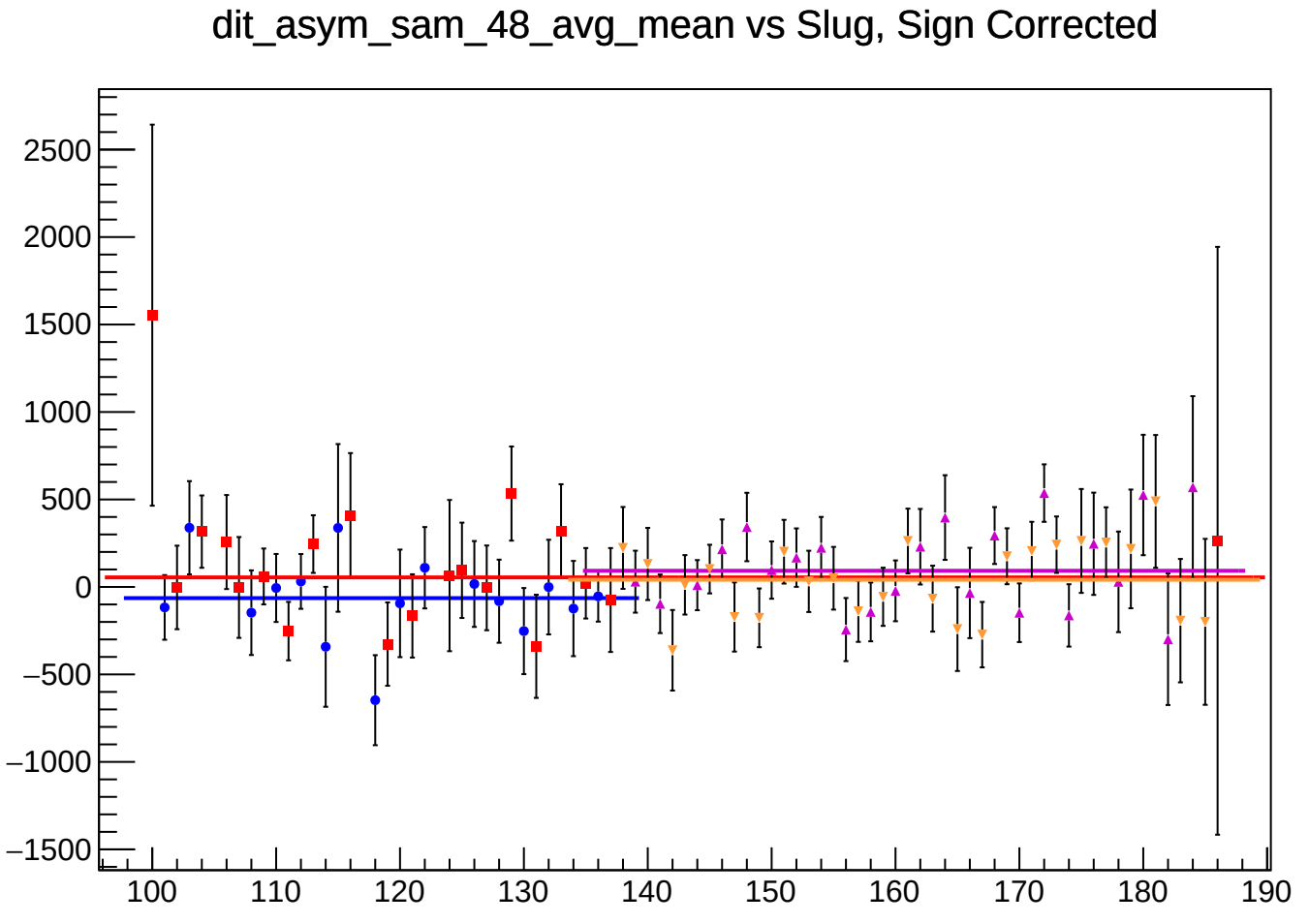
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1250.993+/-0.242 χ^2/NDF: 3191421.6/35

In: 1134.730+/-0.163 χ^2/NDF:2132983.8/38

Out: 1120.753+/-0.157 χ^2/NDF:3012304.7/44

All: 1127.487+/-0.113 χ^2/NDF: 5149113.6/83



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

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

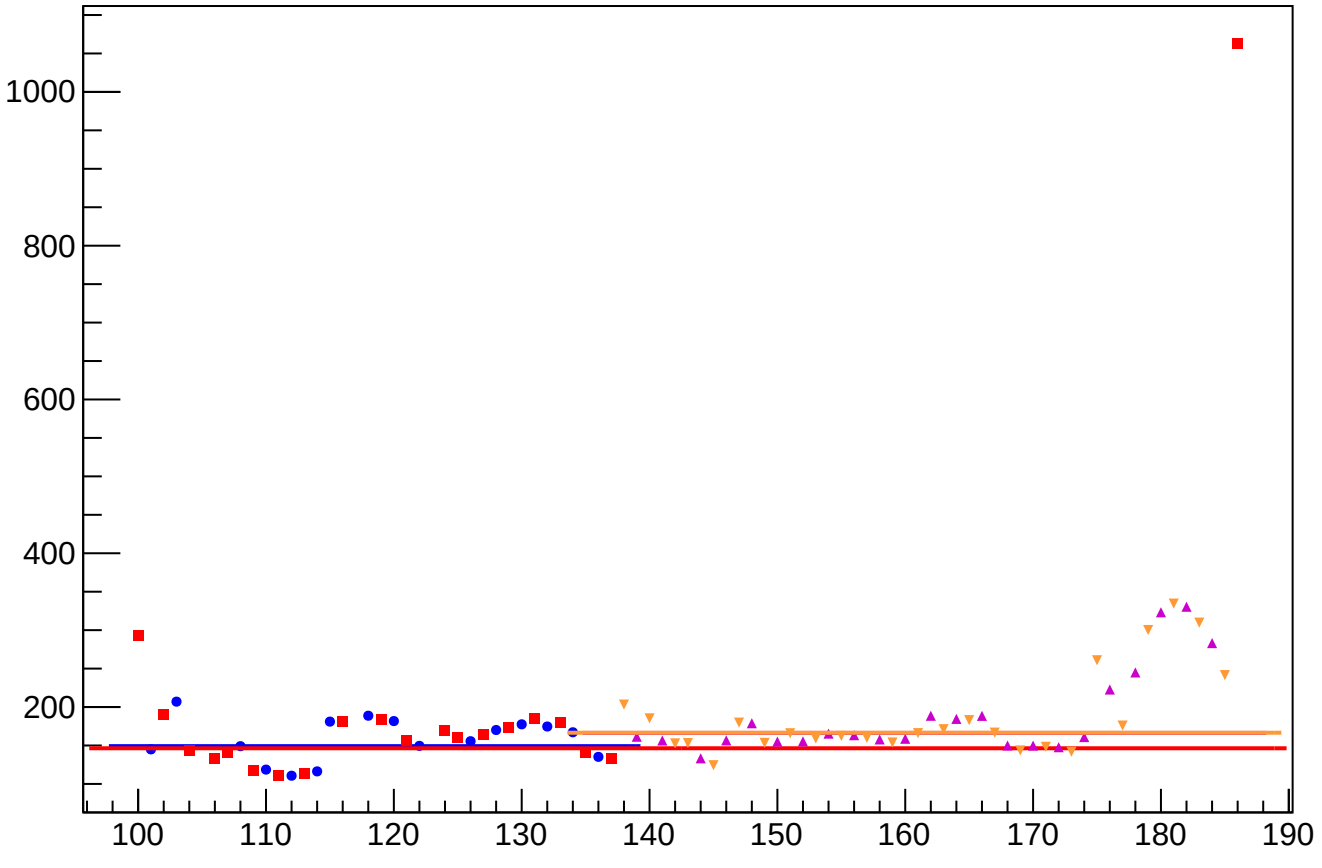
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -2.483+/-39.383 χ^2/NDF: 32.6/35

In: 40.359+/-32.782 χ^2/NDF:45.4/38

Out: 45.642+/-31.853 χ^2/NDF:41.9/44

All: 43.076+/-22.845 χ^2/NDF: 87.3/83



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

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

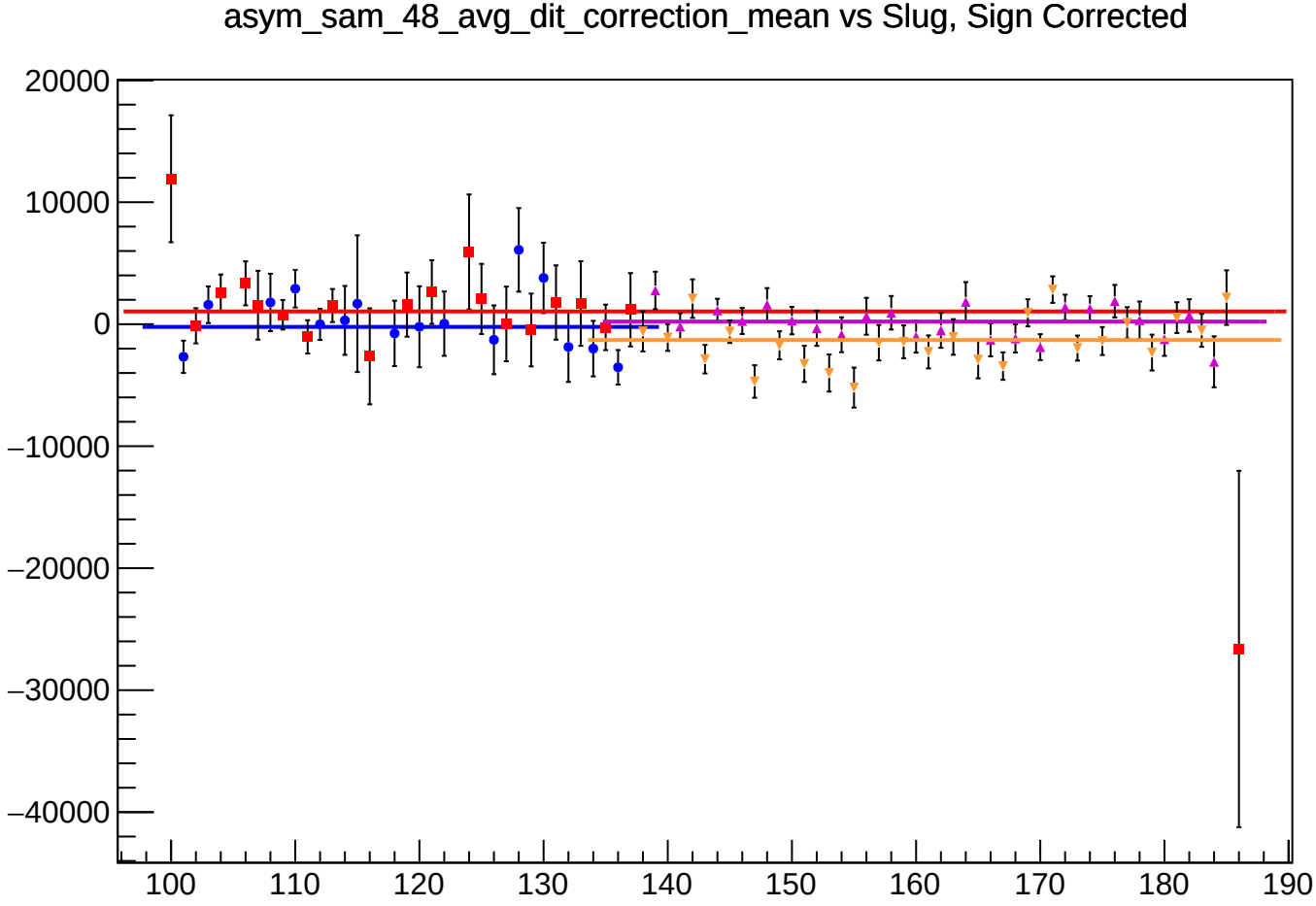
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 147.701+/-0.028 χ^2/NDF: 1575014.5/35

In: 160.573+/-0.023 χ^2/NDF:1965605.6/38

Out: 159.743+/-0.023 χ^2/NDF:3022082.2/44

All: 160.146+/-0.016 χ^2/NDF: 4988346.8/83



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

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

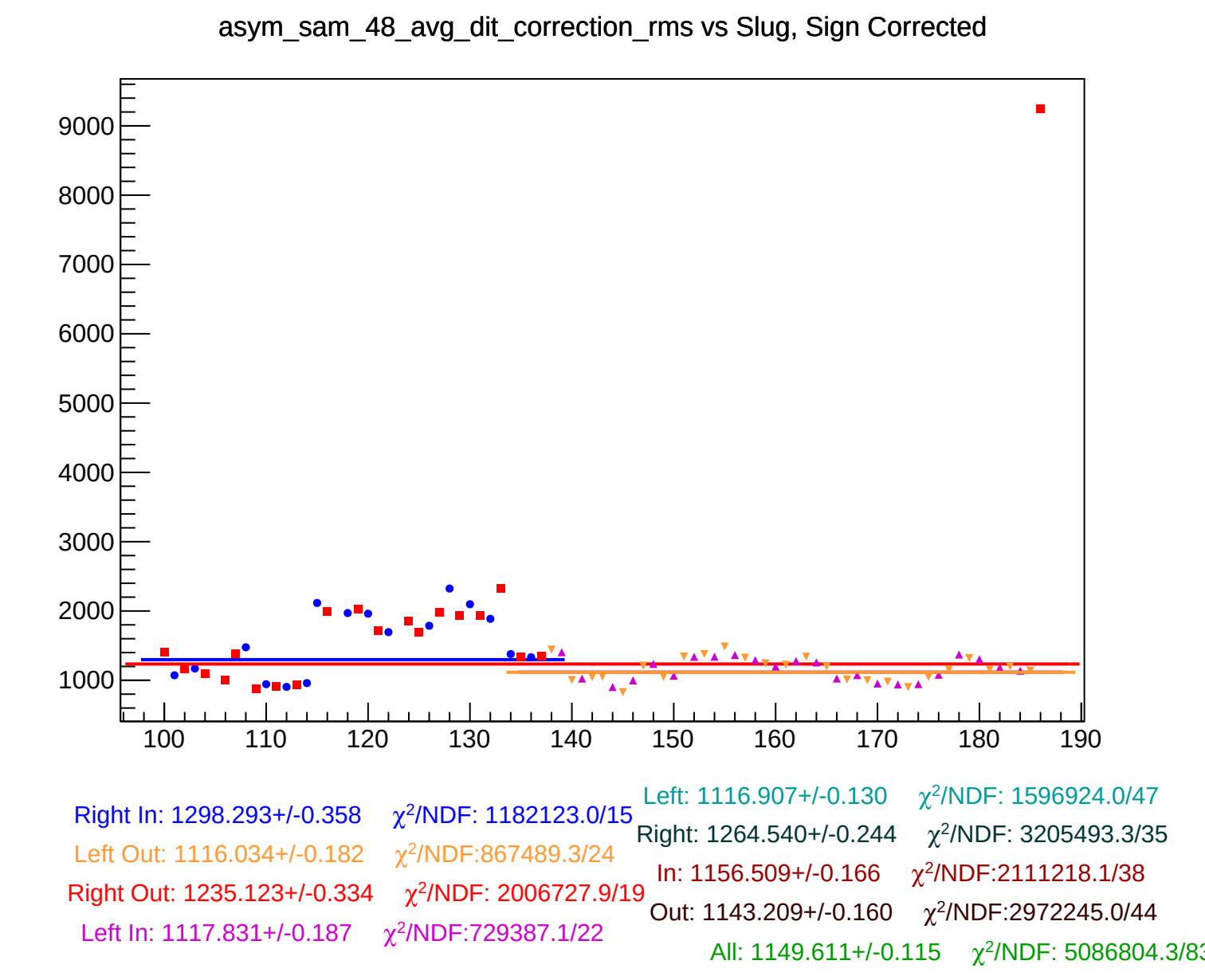
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

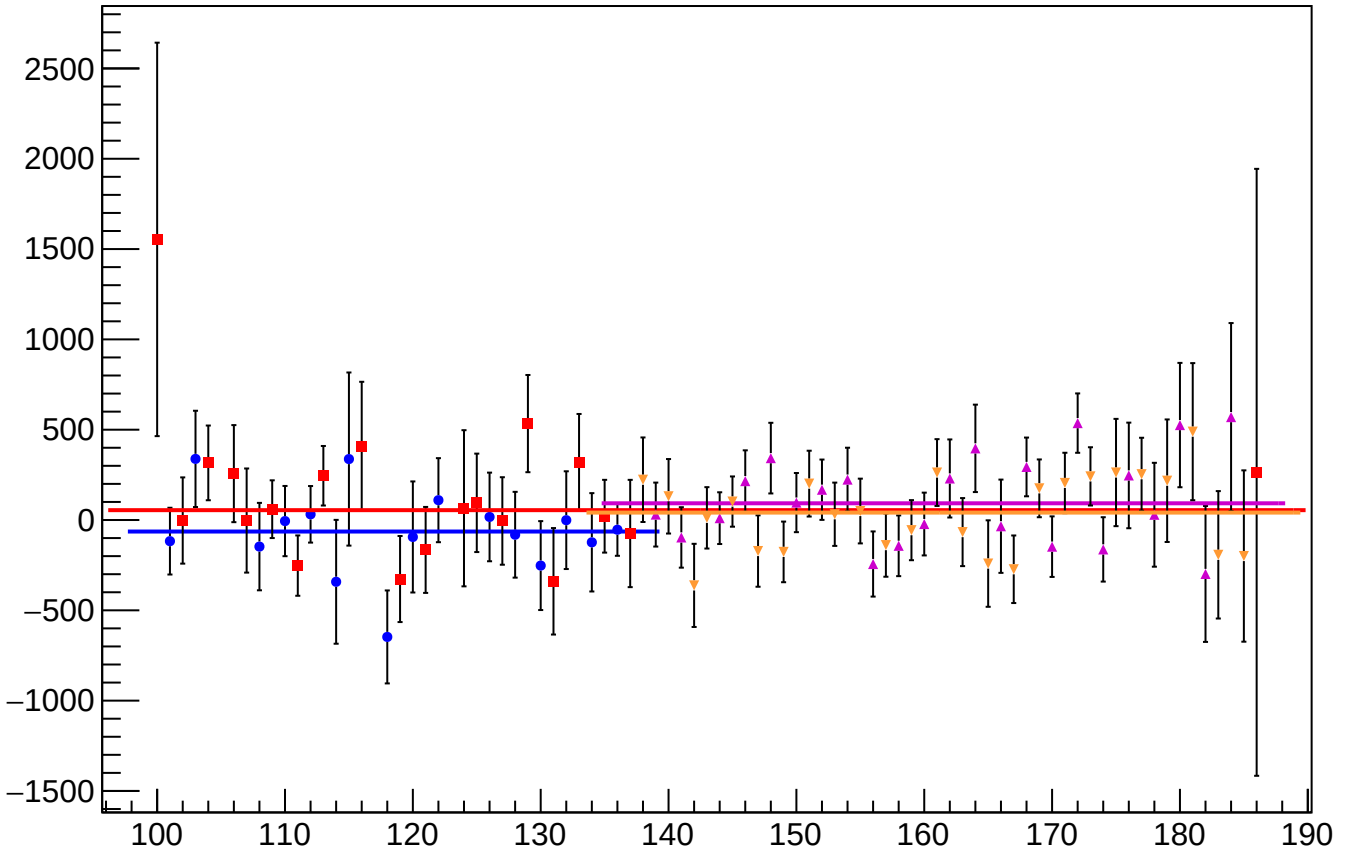
Right: 455.575+/-345.435 χ^2/NDF: 42.4/35

In: 123.297+/-234.349 χ^2/NDF:44.7/38

Out: -763.489+/-225.746 χ^2/NDF:91.3/44

All: -336.670+/-162.583 χ^2/NDF: 143.4/83


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1298.293+/-0.358 χ²/NDF: 1182123.0/15
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1235.123+/-0.334 χ²/NDF: 2006727.9/19
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1264.540+/-0.244 χ²/NDF: 3205493.3/35
In: 1156.509+/-0.166 χ²/NDF:2111218.1/38
Out: 1143.209+/-0.160 χ²/NDF:2972245.0/44
All: 1149.611+/-0.115 χ²/NDF: 5086804.3/83



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

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

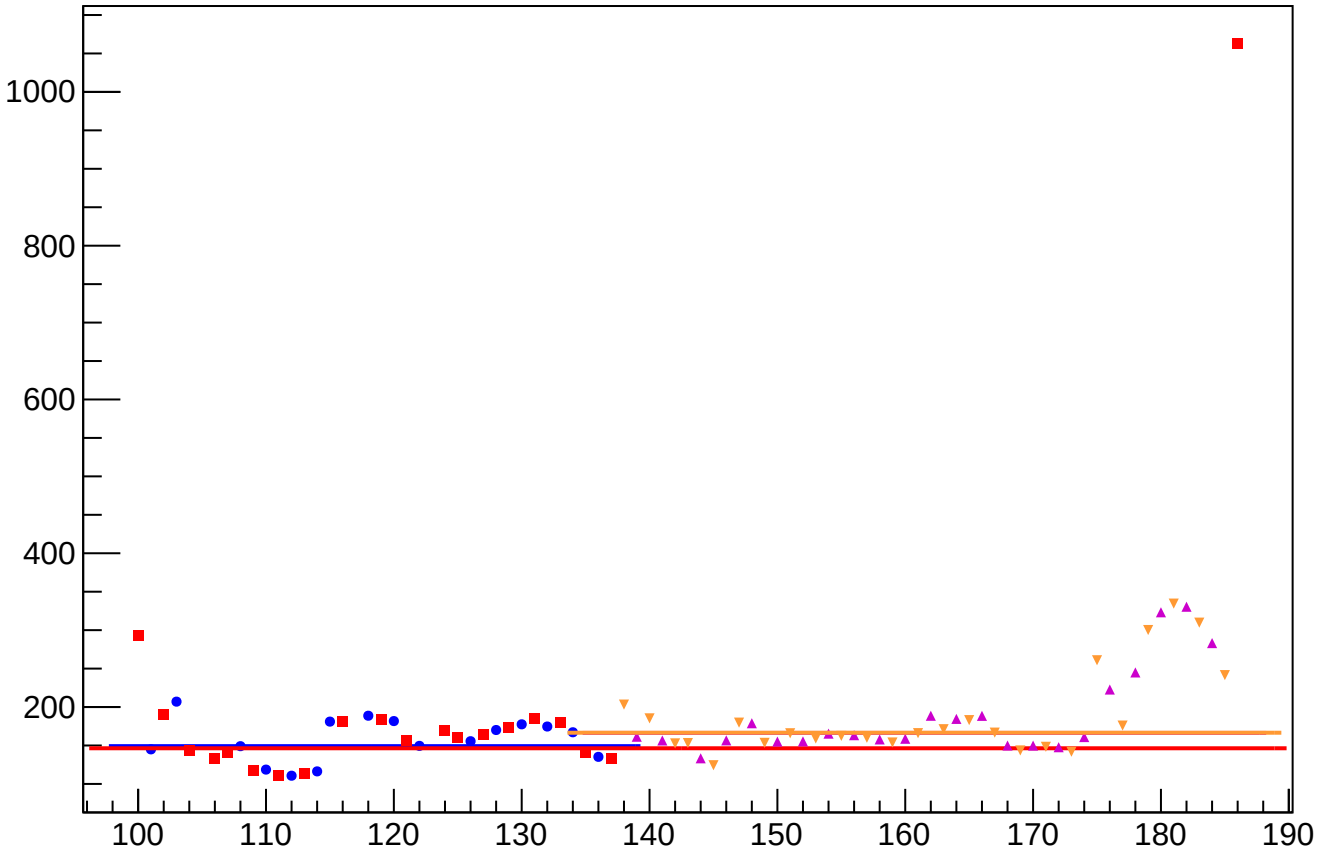
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -2.482+/-39.383 χ^2/NDF: 32.6/35

In: 40.360+/-32.782 χ^2/NDF:45.4/38

Out: 45.643+/-31.853 χ^2/NDF:41.9/44

All: 43.077+/-22.845 χ^2/NDF: 87.3/83



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

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

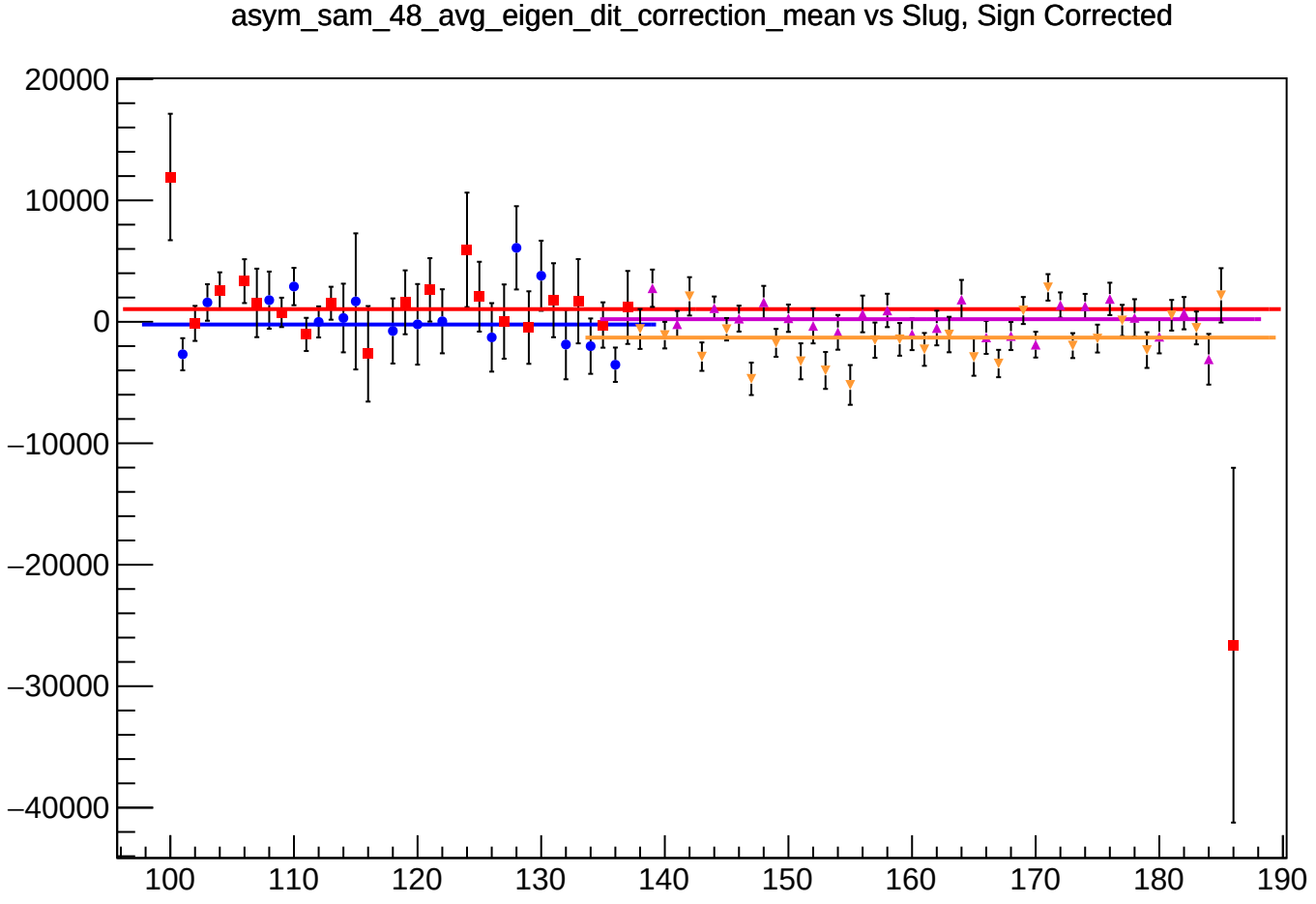
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 147.701+/-0.028 χ^2/NDF: 1575017.6/35

In: 160.573+/-0.023 χ^2/NDF:1965590.3/38

Out: 159.743+/-0.023 χ^2/NDF:3022082.9/44

All: 160.146+/-0.016 χ^2/NDF: 4988332.3/83



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

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

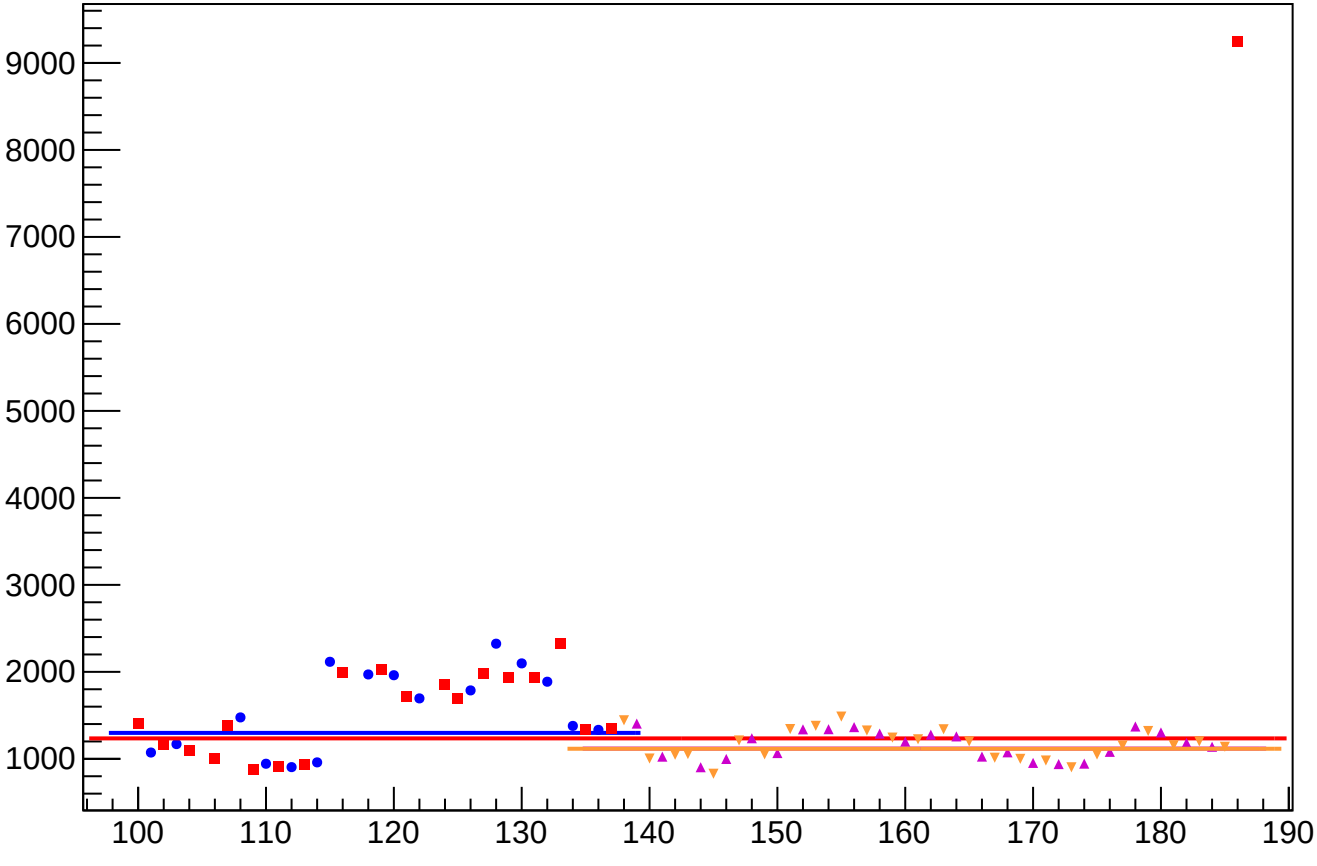
Right: 455.575+/-345.435 χ^2/NDF: 42.4/35

In: 123.296+/-234.348 χ^2/NDF:44.7/38

Out: -763.488+/-225.746 χ^2/NDF:91.3/44

All: -336.670+/-162.583 χ^2/NDF: 143.4/83

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 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

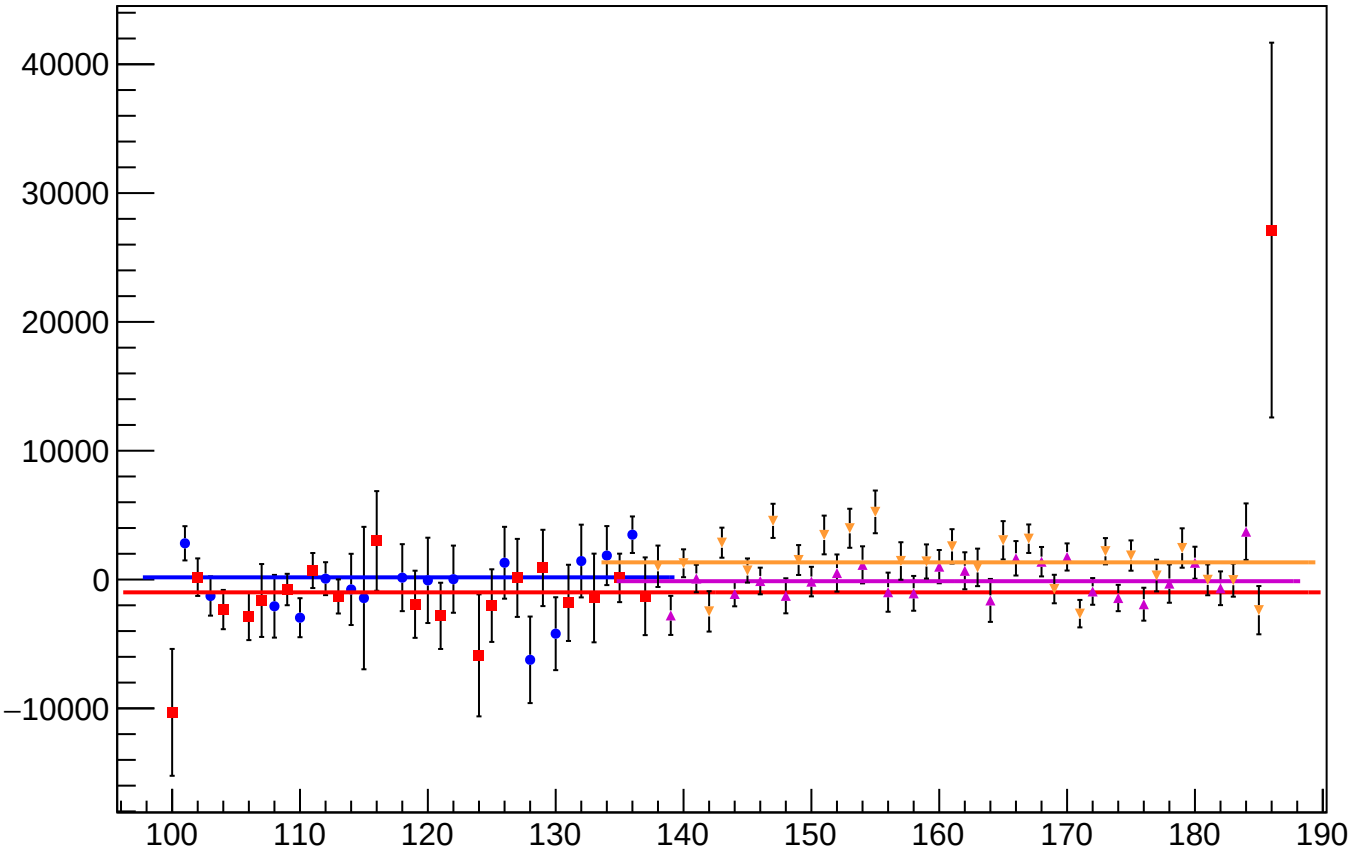
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1264.538+/-0.244 χ^2/NDF: 3205500.2/35

In: 1156.507+/-0.166 χ^2/NDF:2111222.8/38

Out: 1143.208+/-0.160 χ^2/NDF:2972250.9/44

All: 1149.609+/-0.115 χ^2/NDF: 5086814.9/83



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

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

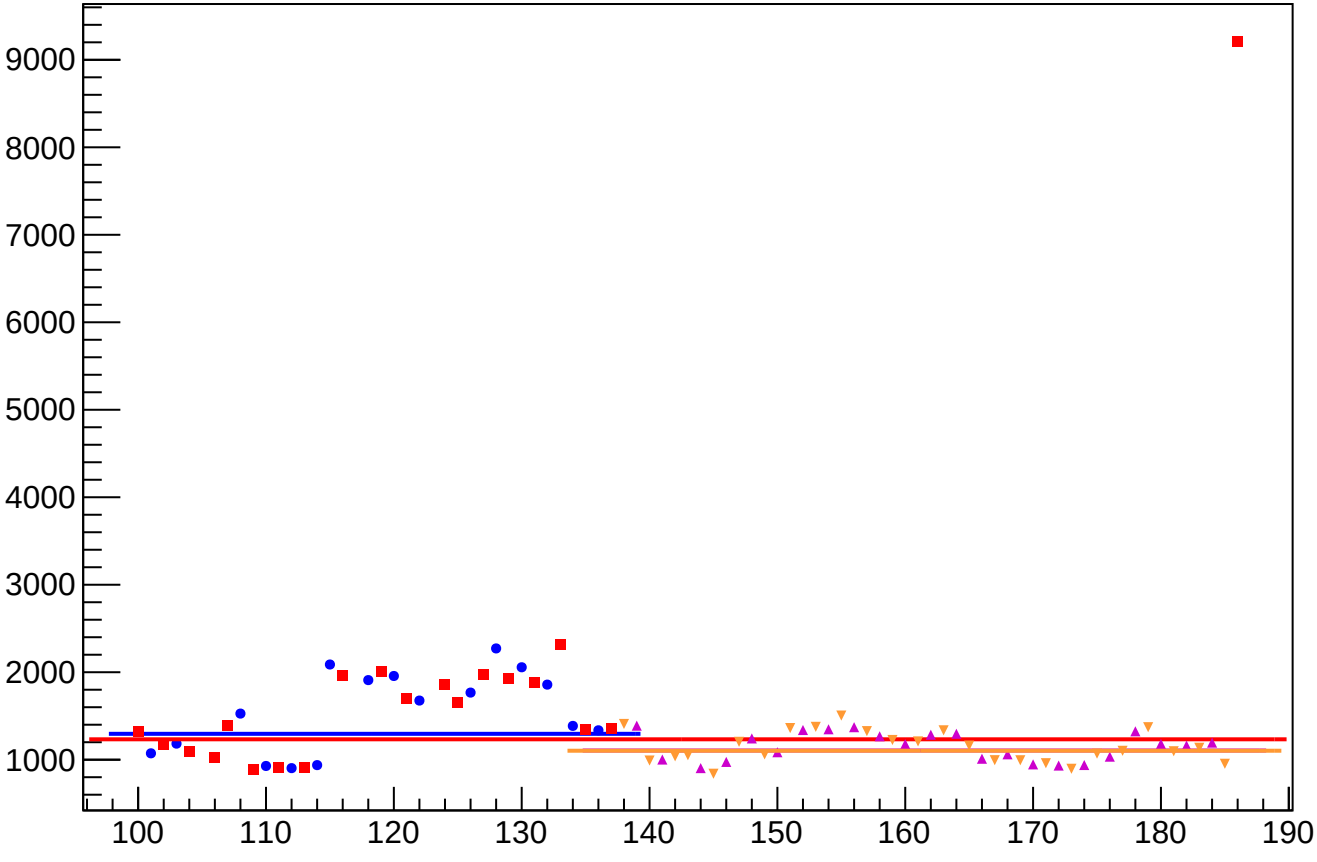
Right: -451.278+/-344.781 χ^2/NDF: 40.7/35

In: -65.116+/-232.168 χ^2/NDF:46.8/38

Out: 810.741+/-223.772 χ^2/NDF:89.9/44

All: 388.935+/-161.117 χ^2/NDF: 144.1/83

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

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

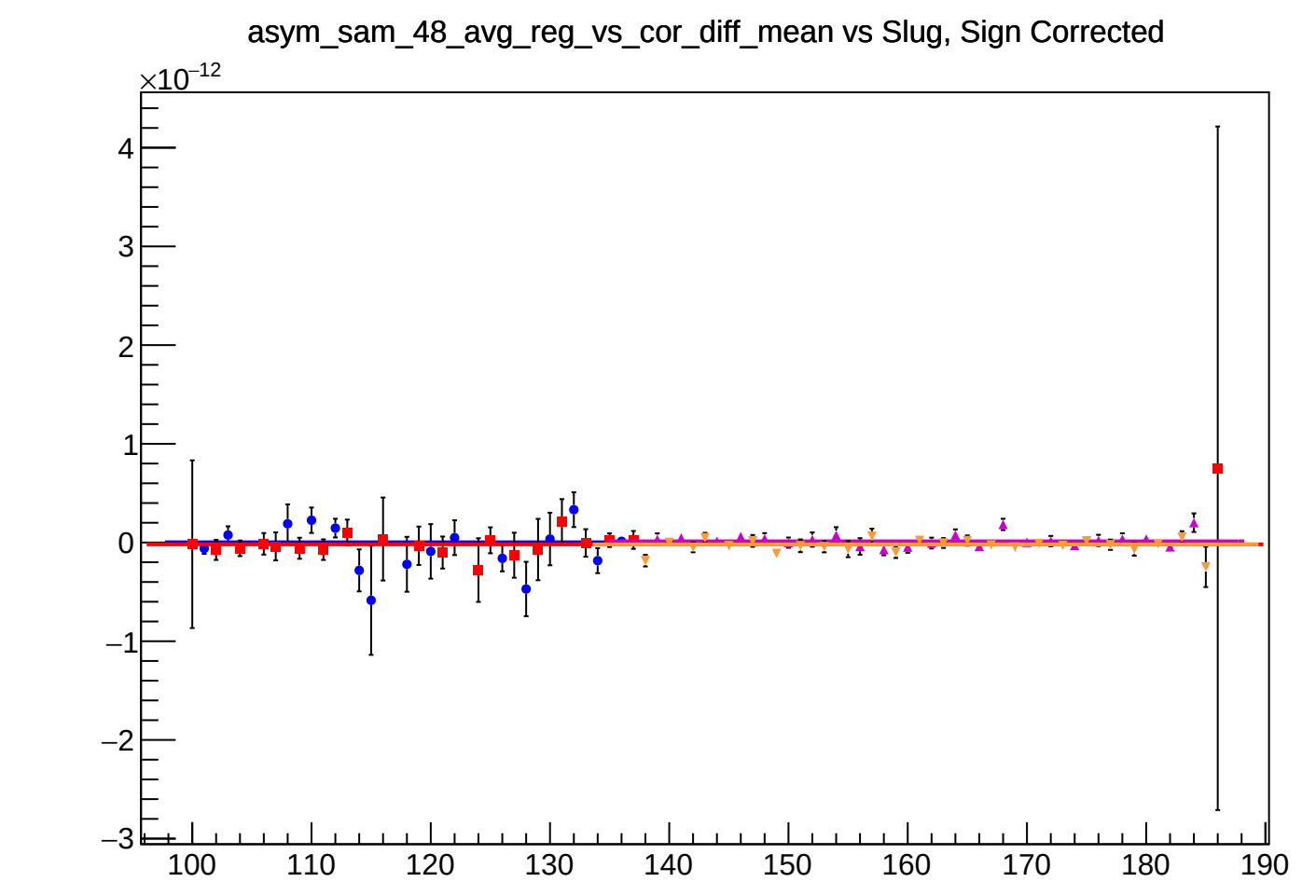
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1262.487+/-0.244 χ^2/NDF: 3143693.4/35

In: 1145.503+/-0.164 χ^2/NDF:2102527.6/38

Out: 1132.077+/-0.158 χ^2/NDF:2972239.0/44

All: 1138.543+/-0.114 χ^2/NDF: 5078233.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 4.8/19

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

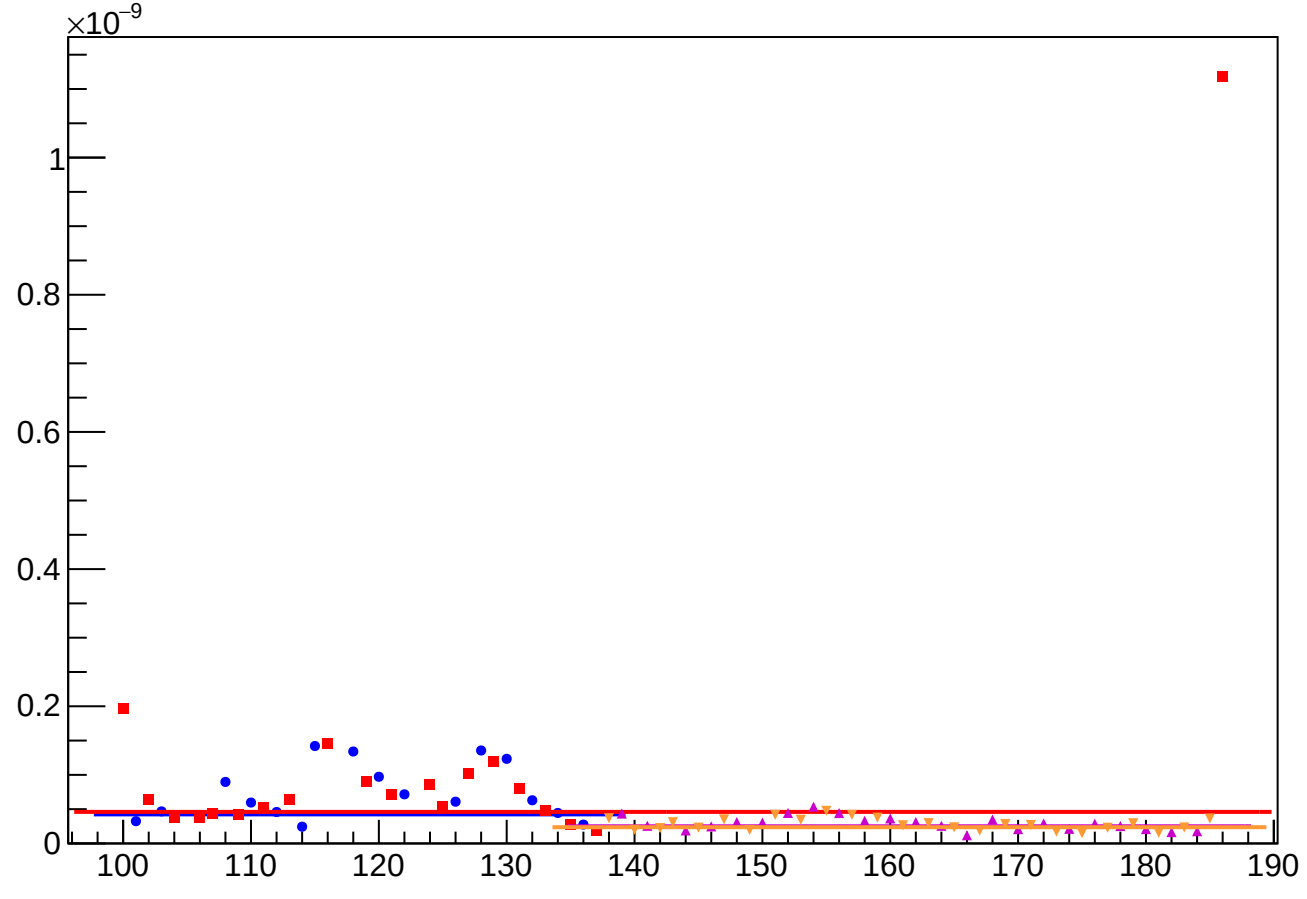
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 27.3/35

In: 0.000+/-0.000 χ^2/NDF:49.4/38

Out: -0.000+/-0.000 χ^2/NDF:31.3/44

All: -0.000+/-0.000 χ^2/NDF: 86.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

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

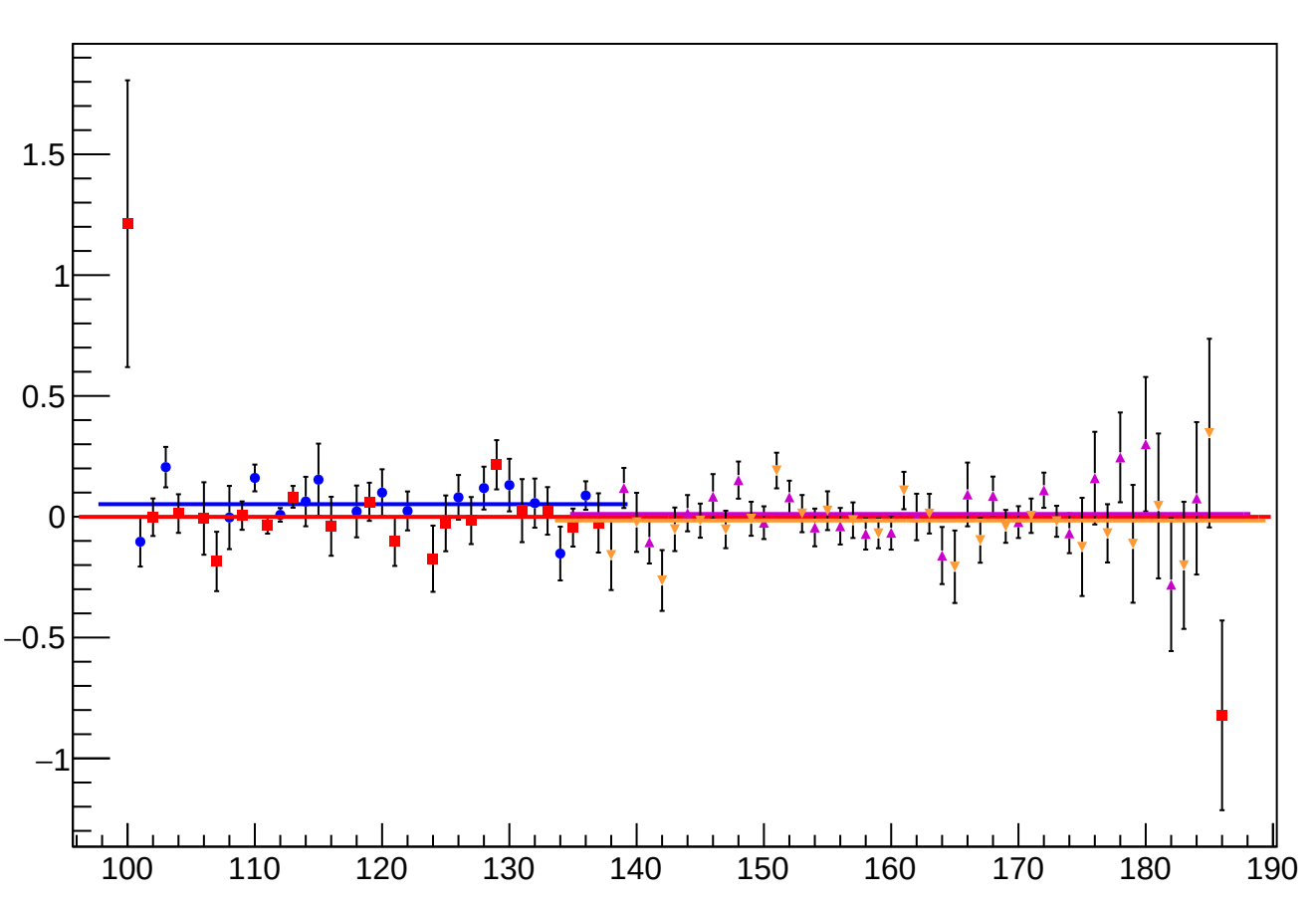
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2668466.3/35

In: 0.000+/-0.000 χ^2/NDF:3619516.9/38

Out: 0.000+/-0.000 χ^2/NDF:3831975.4/44

All: 0.000+/-0.000 χ^2/NDF: 7477667.5/83



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

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

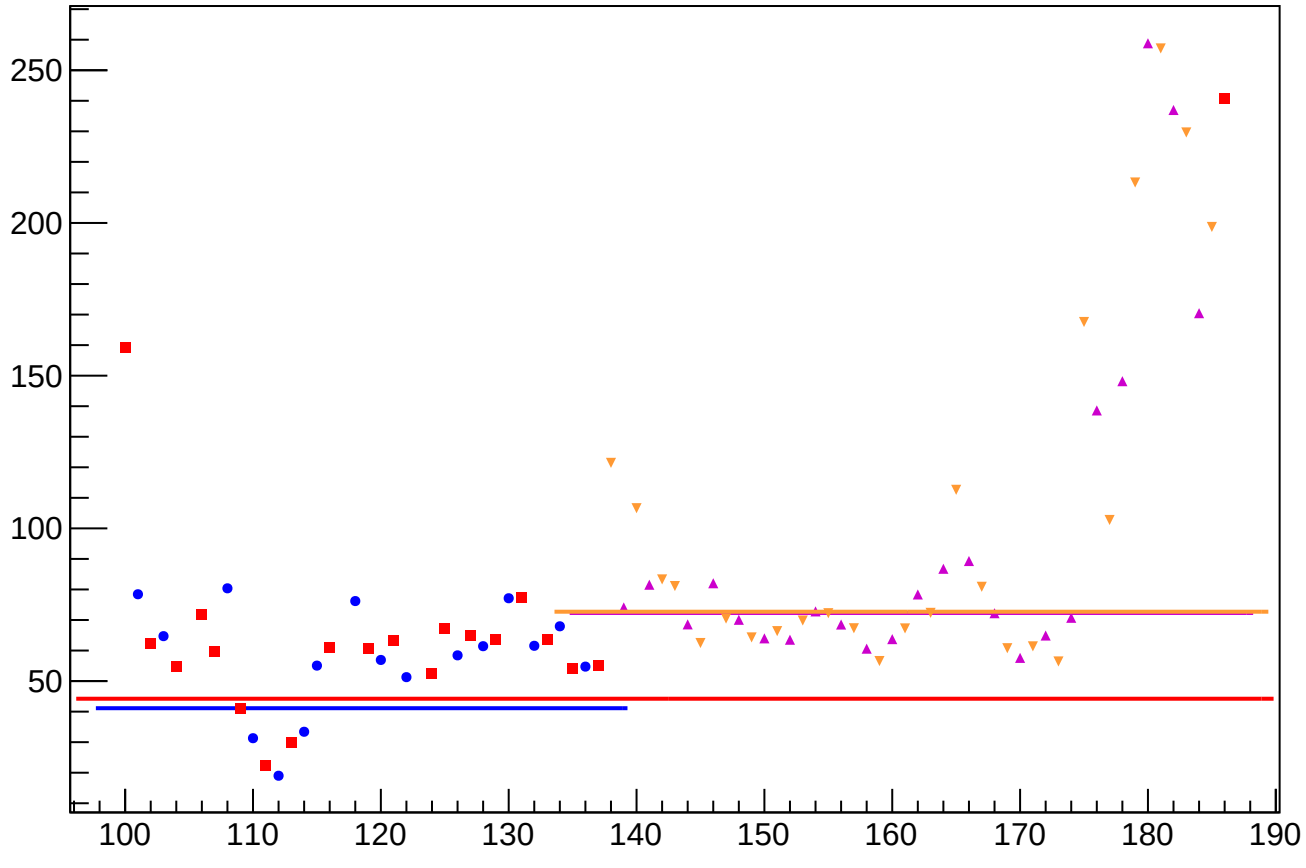
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.013 χ^2/NDF: 45.9/35

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 94.4/83



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

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

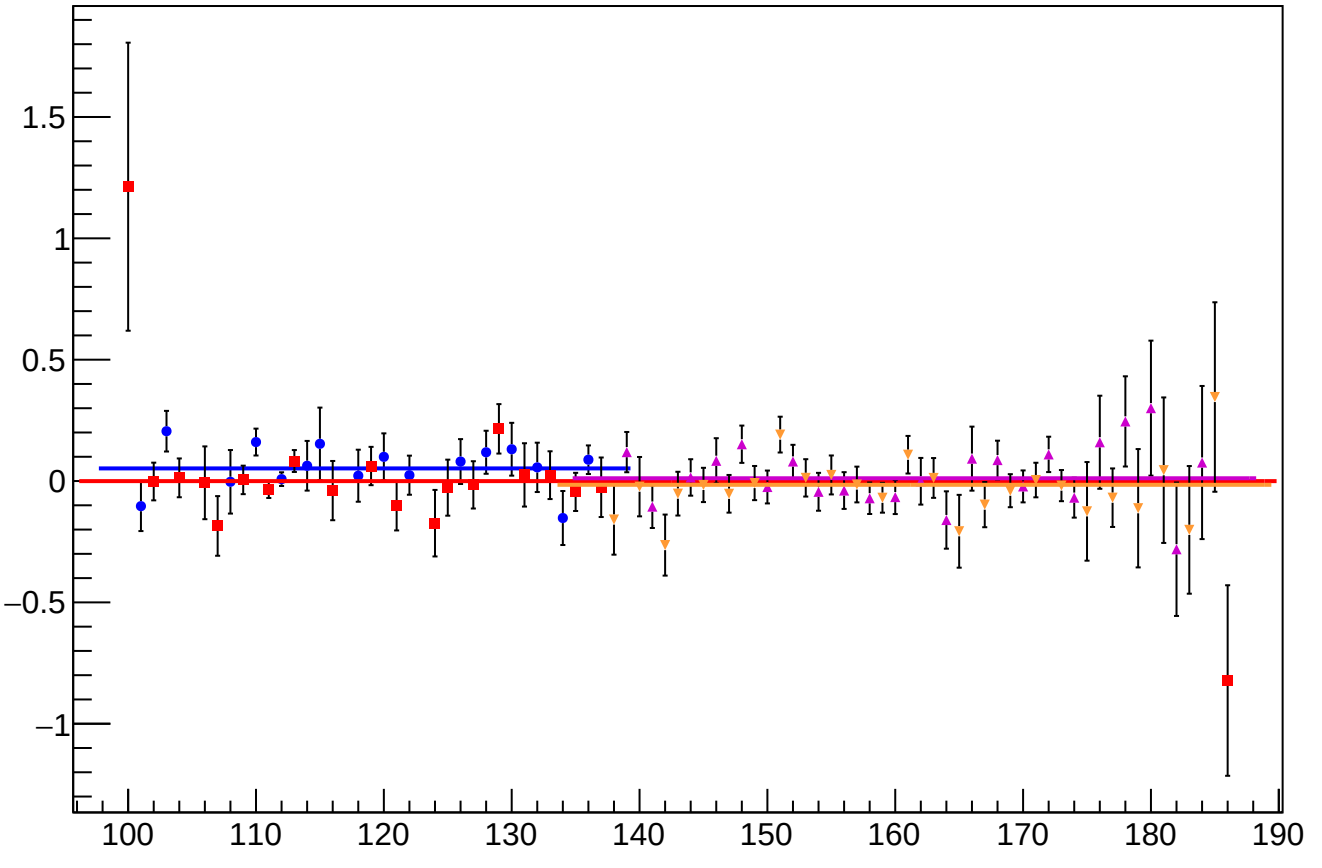
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 42.660+/-0.009 χ^2/NDF: 5506499.0/35

In: 56.291+/-0.009 χ^2/NDF:8710620.3/38

Out: 58.428+/-0.009 χ^2/NDF:9035761.0/44

All: 57.364+/-0.006 χ^2/NDF: 17774641.1/83



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

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

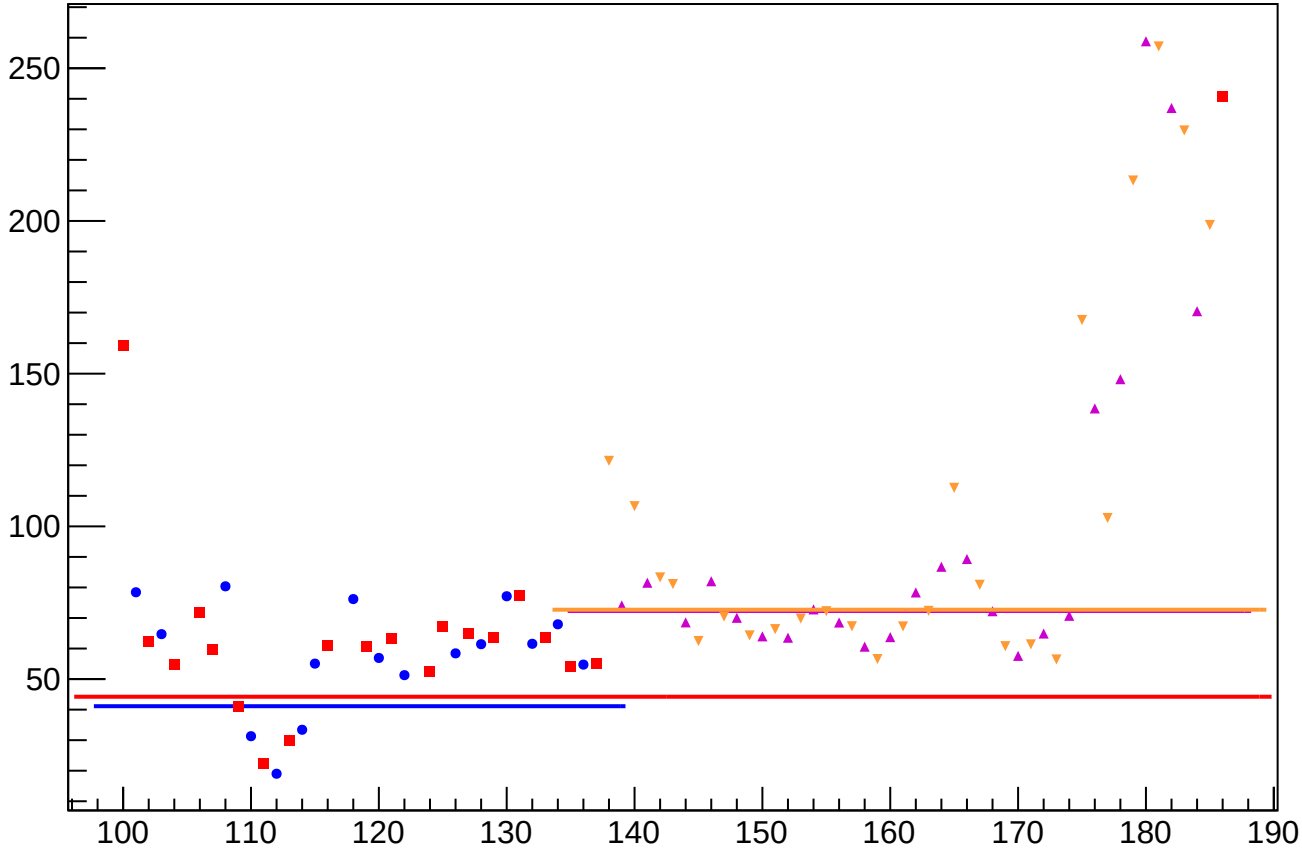
Right: 0.026+/-0.013 χ^2/NDF: 45.9/35

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 94.4/83

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 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

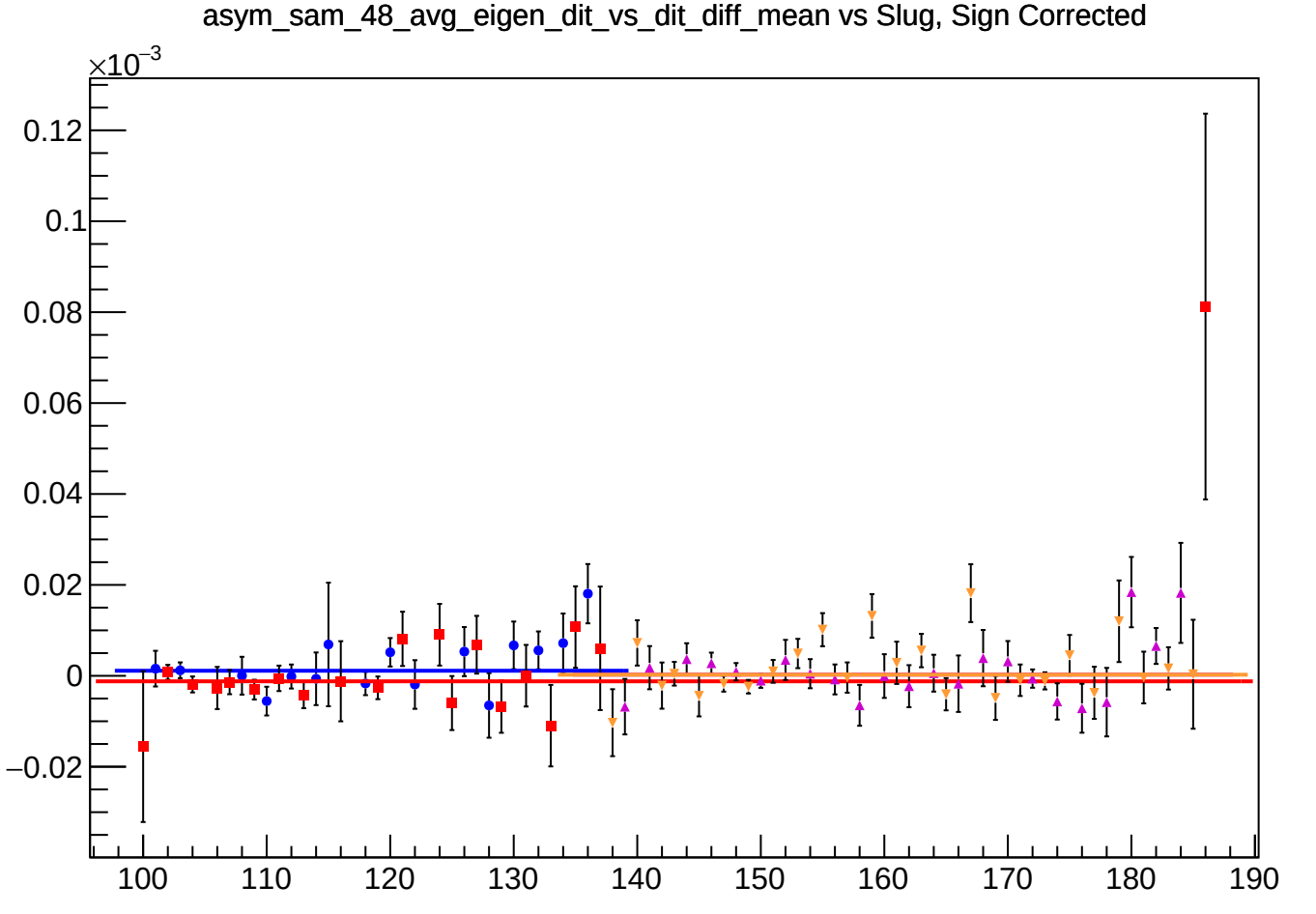
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 42.660+/-0.009 χ^2/NDF: 5506499.0/35

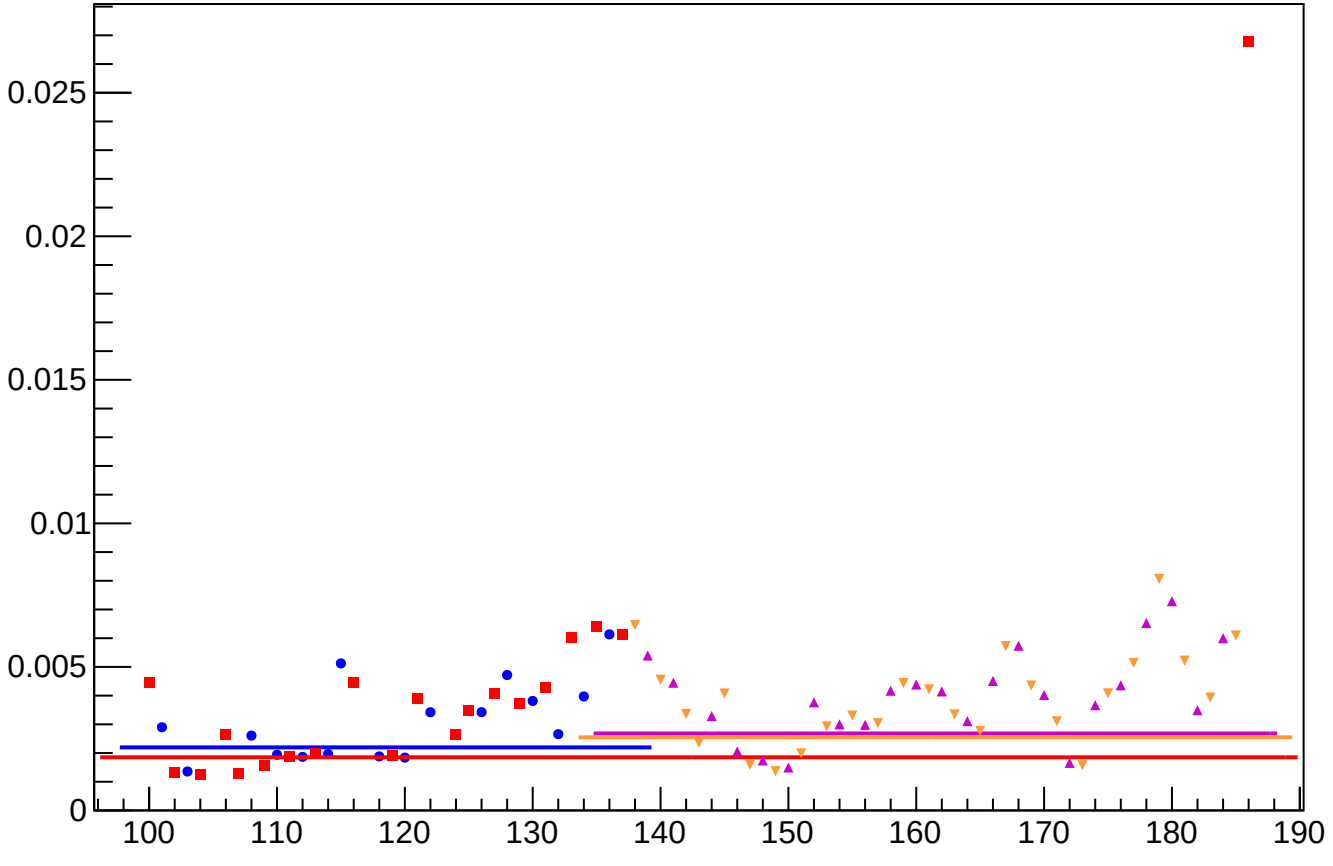
In: 56.291+/-0.009 χ^2/NDF:8710620.3/38

Out: 58.428+/-0.009 χ^2/NDF:9035761.0/44

All: 57.364+/-0.006 χ^2/NDF: 17774641.1/83


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.7/19
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/47
Right: -0.000+/-0.000 χ²/NDF: 43.5/35
In: 0.000+/-0.000 χ²/NDF:44.5/38
Out: -0.000+/-0.000 χ²/NDF:65.2/44
All: 0.000+/-0.000 χ²/NDF: 111.3/83

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

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

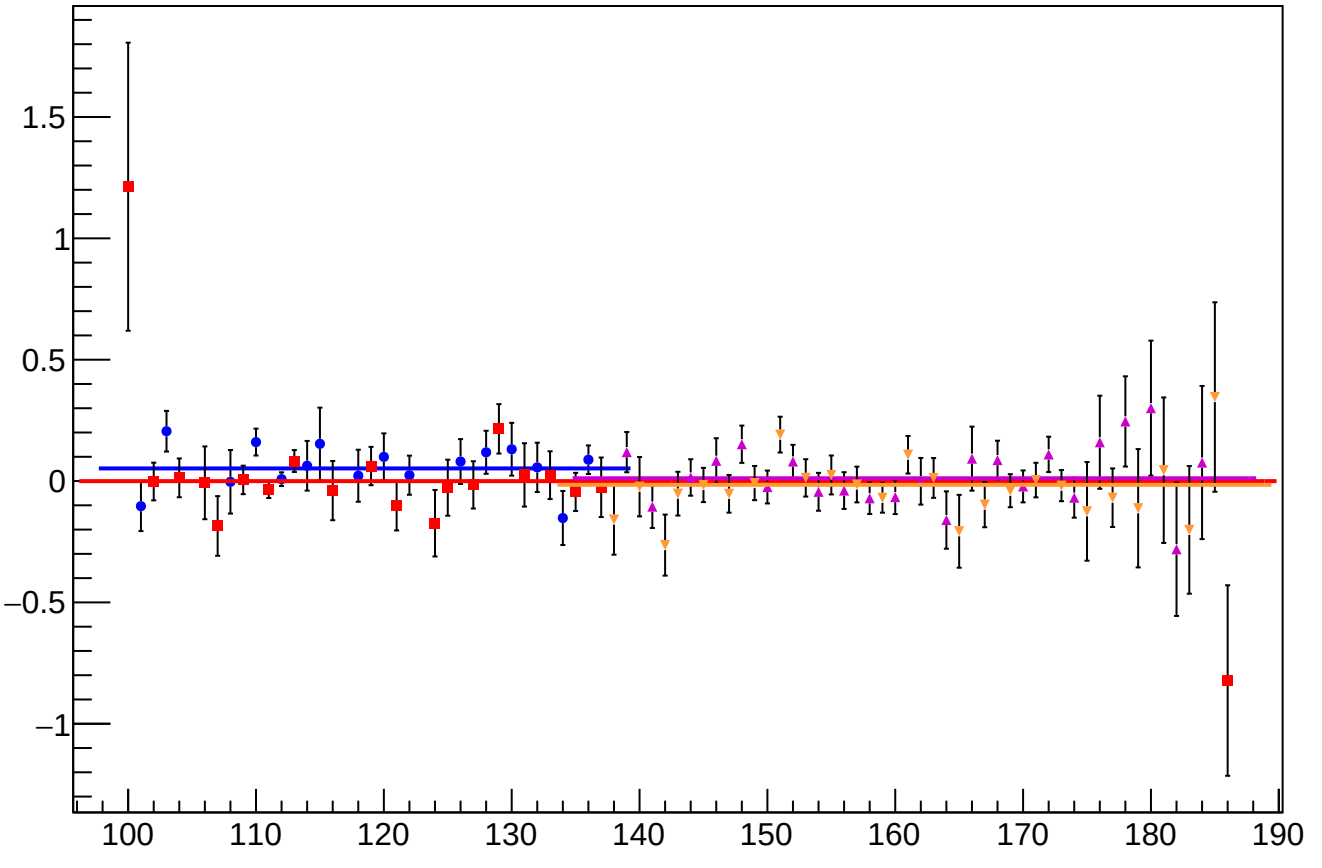
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 6290644.0/35

In: 0.002+/-0.000 χ^2/NDF:9152296.3/38

Out: 0.002+/-0.000 χ^2/NDF:12286323.7/44

All: 0.002+/-0.000 χ^2/NDF: 21654824.8/83



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

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

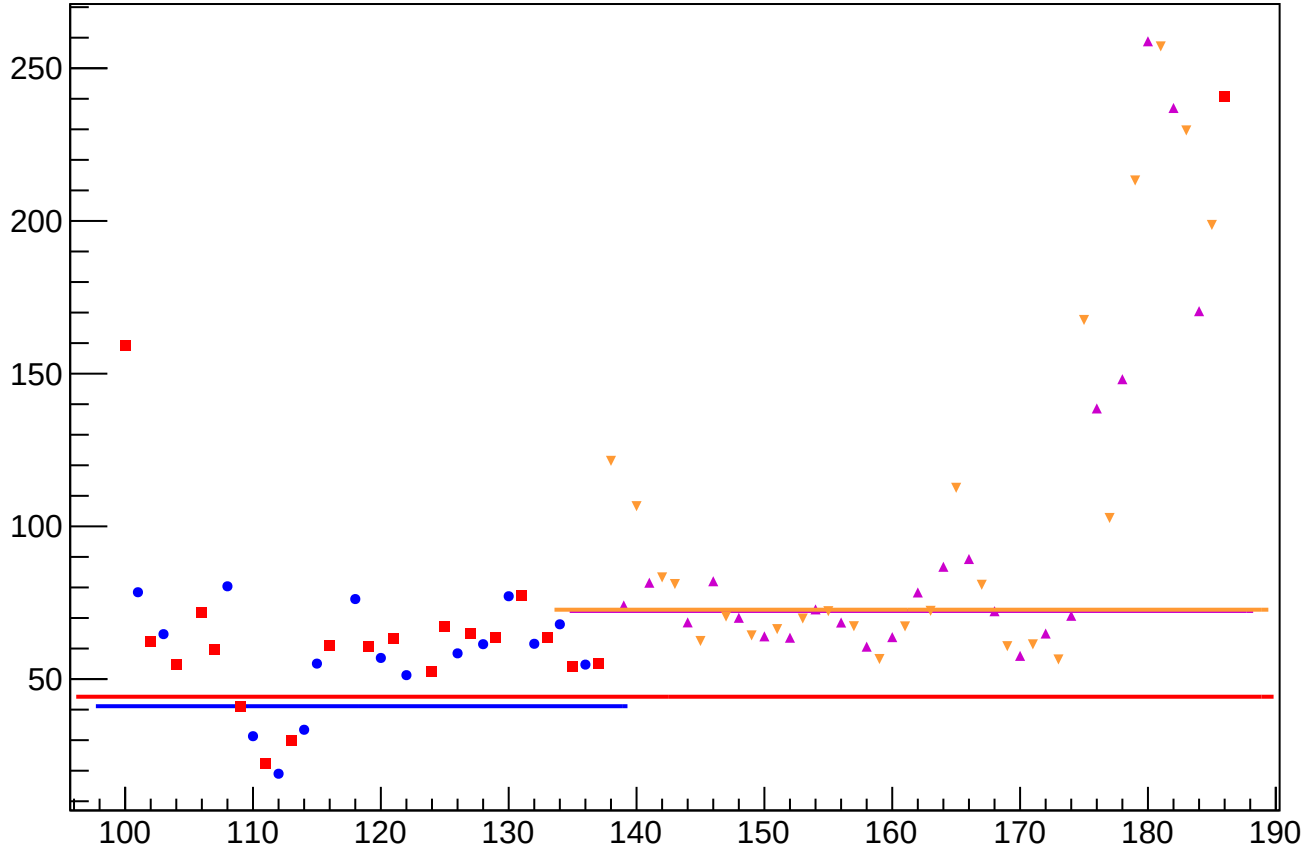
Right: 0.026+/-0.013 χ^2/NDF: 45.9/35

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 94.4/83

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 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

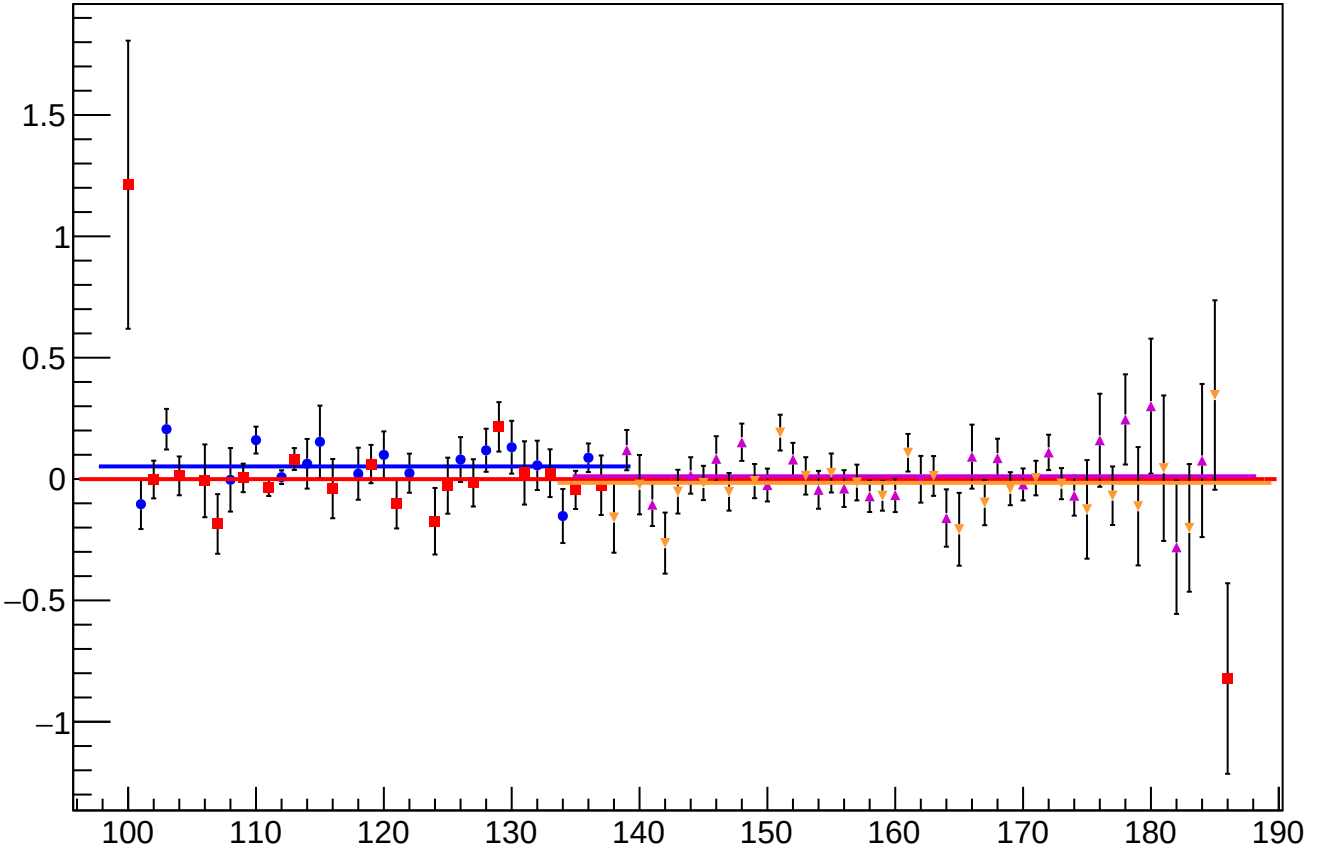
Right: 42.659+/-0.009 χ^2/NDF: 5506830.2/35

In: 56.291+/-0.009 χ^2/NDF:8711027.8/38

Out: 58.427+/-0.009 χ^2/NDF:9036152.1/44

All: 57.363+/-0.006 χ^2/NDF: 17775442.4/83

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.016+/-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

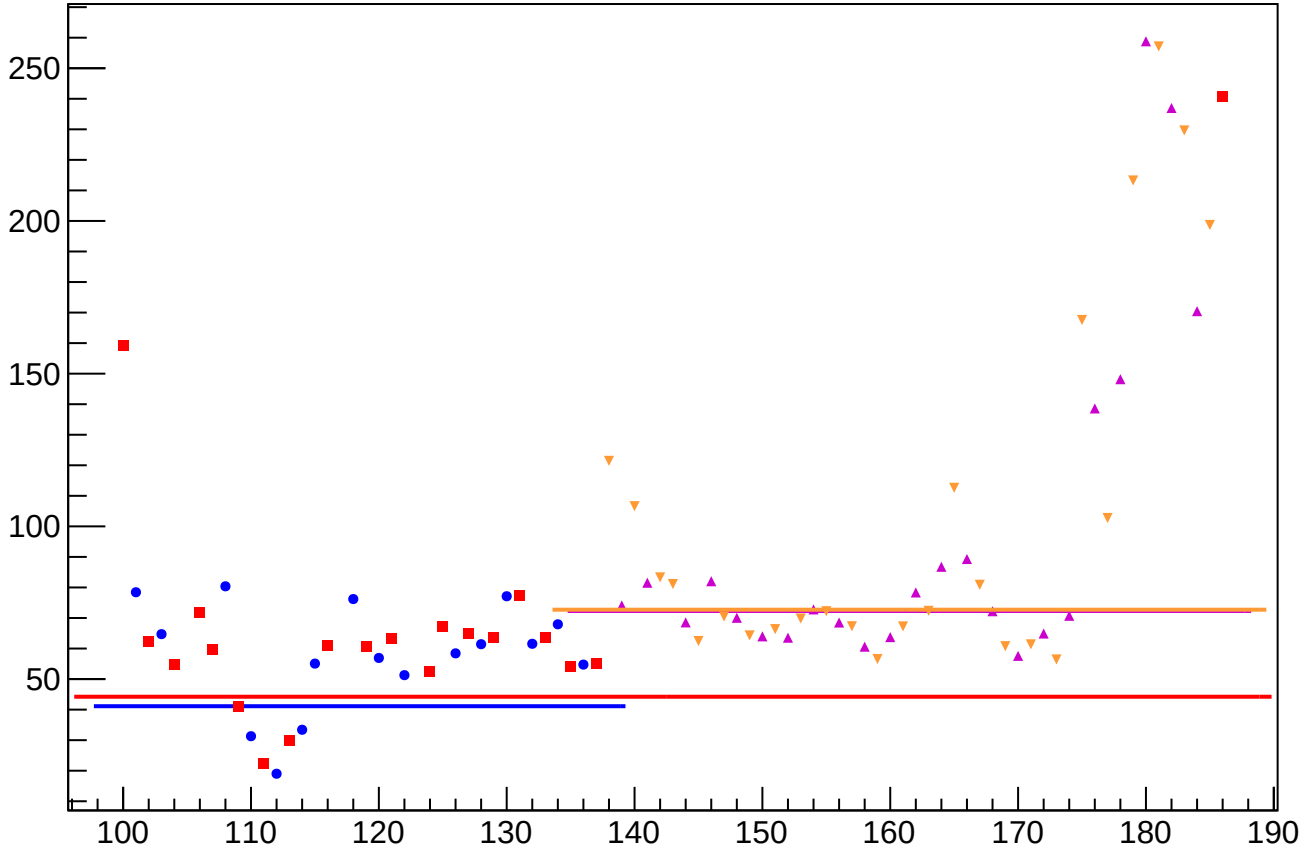
Right: 0.026+/-0.013 χ^2/NDF: 45.9/35

In: 0.032+/-0.013 χ^2/NDF:43.8/38

Out: -0.008+/-0.013 χ^2/NDF:45.6/44

All: 0.012+/-0.009 χ^2/NDF: 94.4/83

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 72.716+/-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

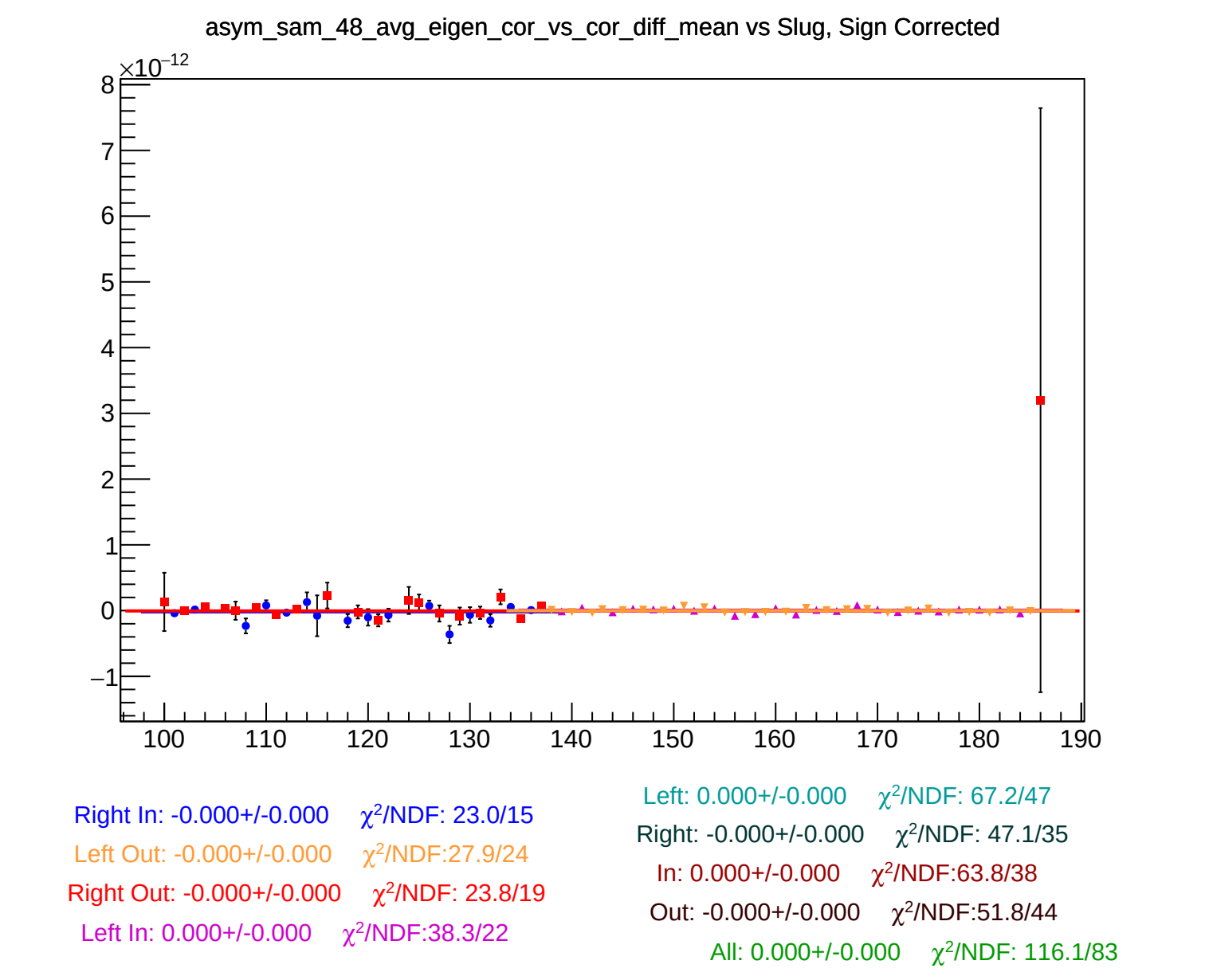
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

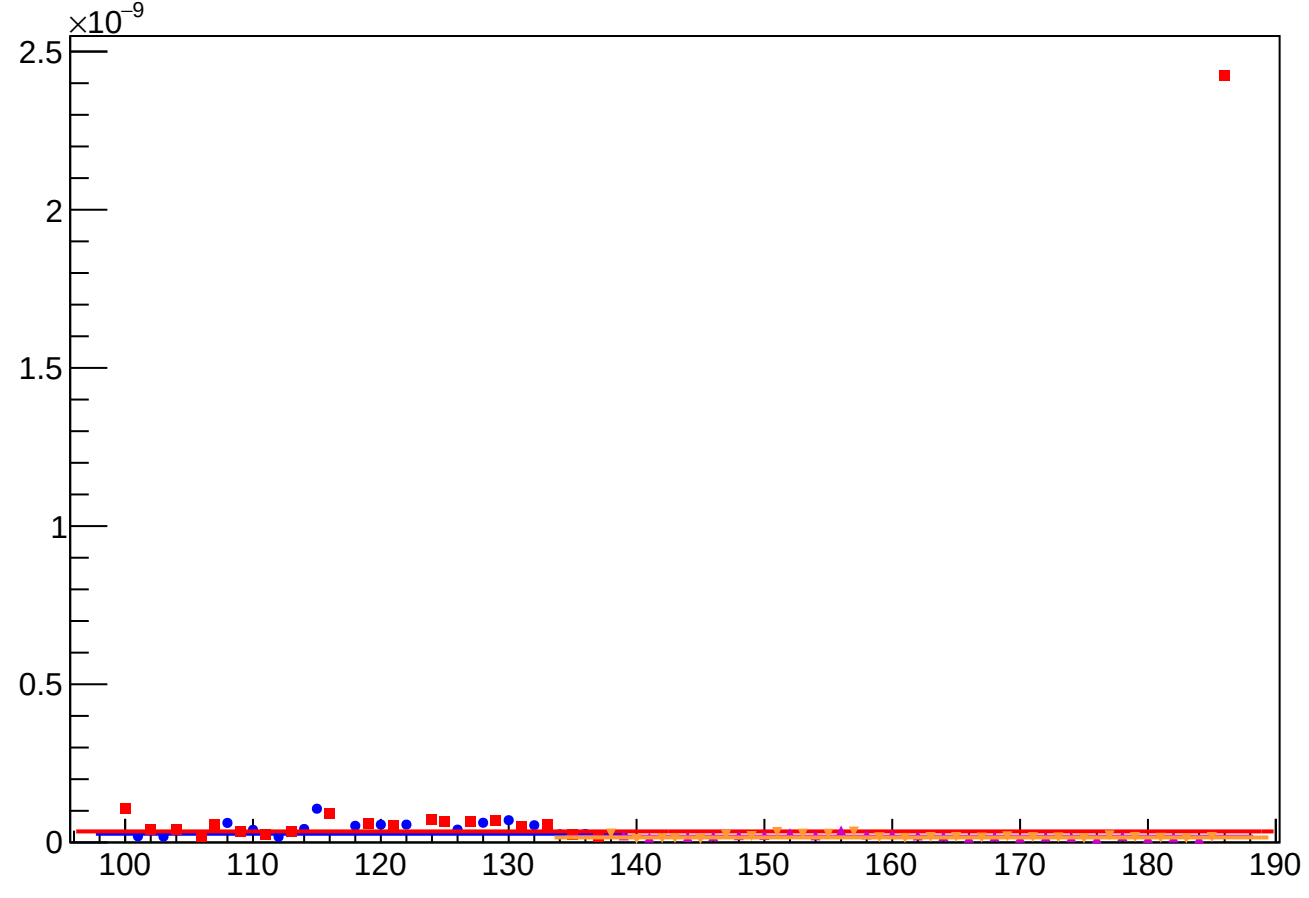
Right: 42.659+/-0.009 χ^2/NDF: 5506830.2/35

In: 56.291+/-0.009 χ^2/NDF:8711027.8/38

Out: 58.427+/-0.009 χ^2/NDF:9036152.1/44

All: 57.363+/-0.006 χ^2/NDF: 17775442.4/83


asym_sam_48_avg_eigen_cor_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: 23.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.8/19
Left In: 0.000+/-0.000 χ²/NDF:38.3/22
Left: 0.000+/-0.000 χ²/NDF: 67.2/47
Right: -0.000+/-0.000 χ²/NDF: 47.1/35
In: 0.000+/-0.000 χ²/NDF:63.8/38
Out: -0.000+/-0.000 χ²/NDF:51.8/44
All: 0.000+/-0.000 χ²/NDF: 116.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

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

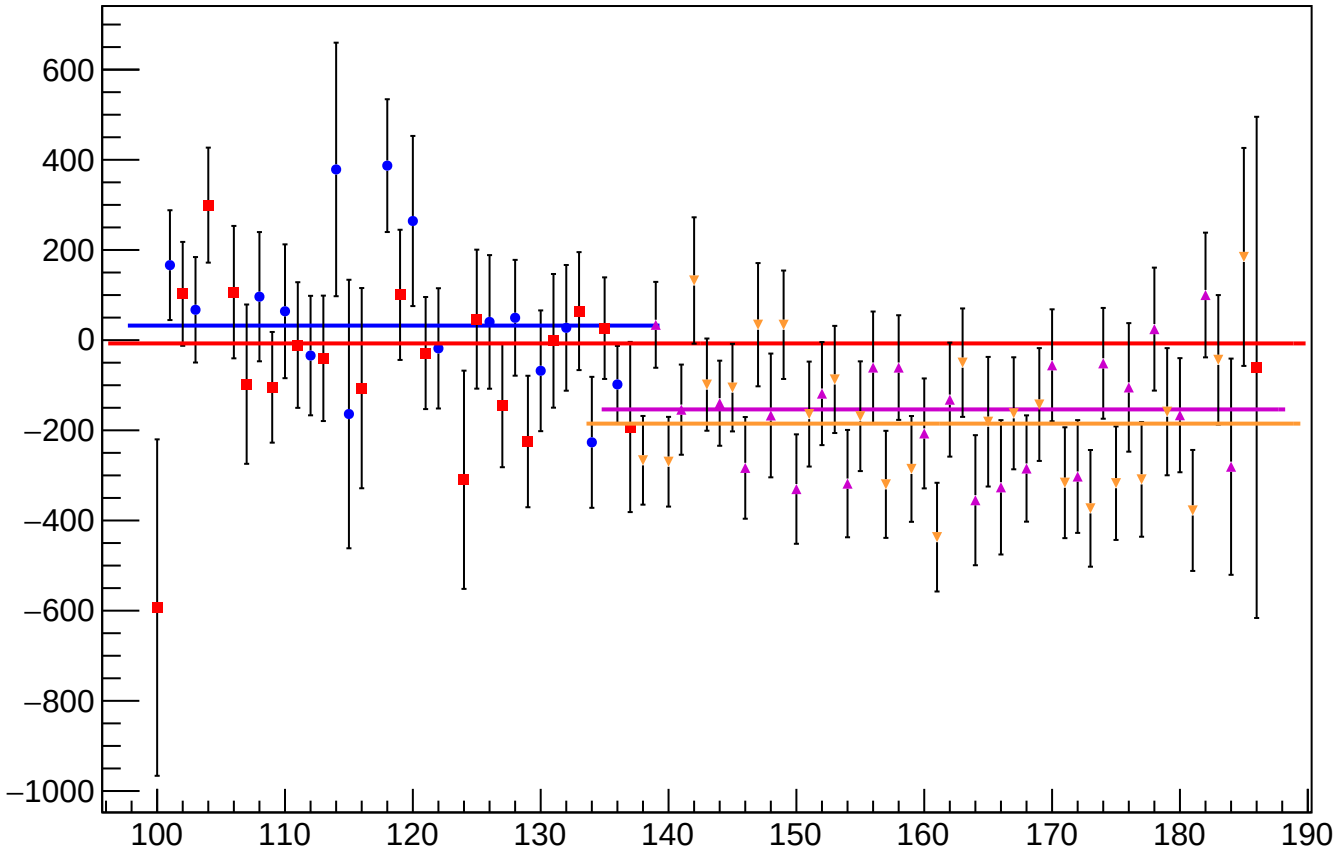
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4277723.8/35

In: 0.000+/-0.000 χ^2/NDF:4162536.5/38

Out: 0.000+/-0.000 χ^2/NDF:7004388.8/44

All: 0.000+/-0.000 χ^2/NDF: 11365311.8/83



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

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

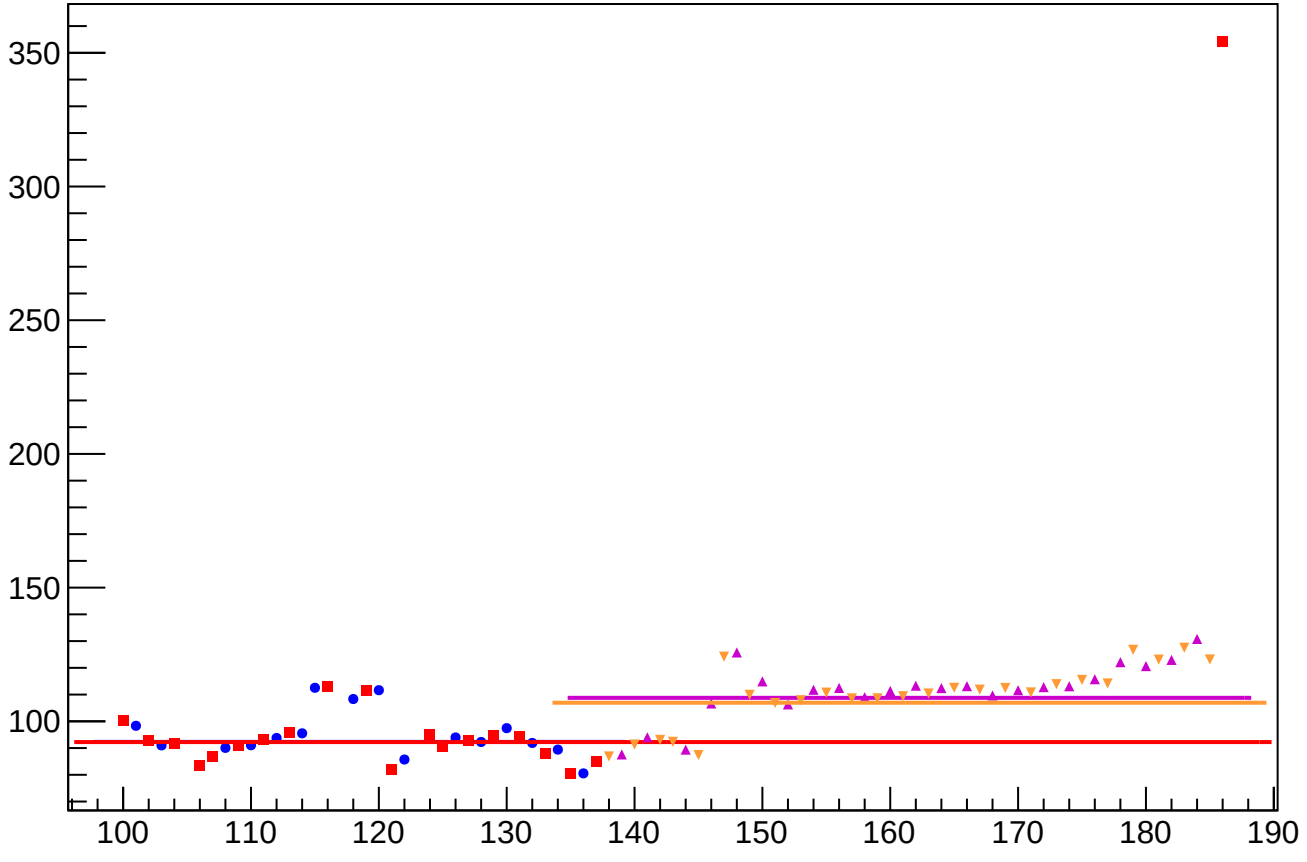
Right: 11.894+/-23.958 χ^2/NDF: 35.8/35

In: -87.637+/-20.511 χ^2/NDF:59.6/38

Out: -122.976+/-19.722 χ^2/NDF:69.3/44

All: -106.000+/-14.216 χ^2/NDF: 130.5/83

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

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

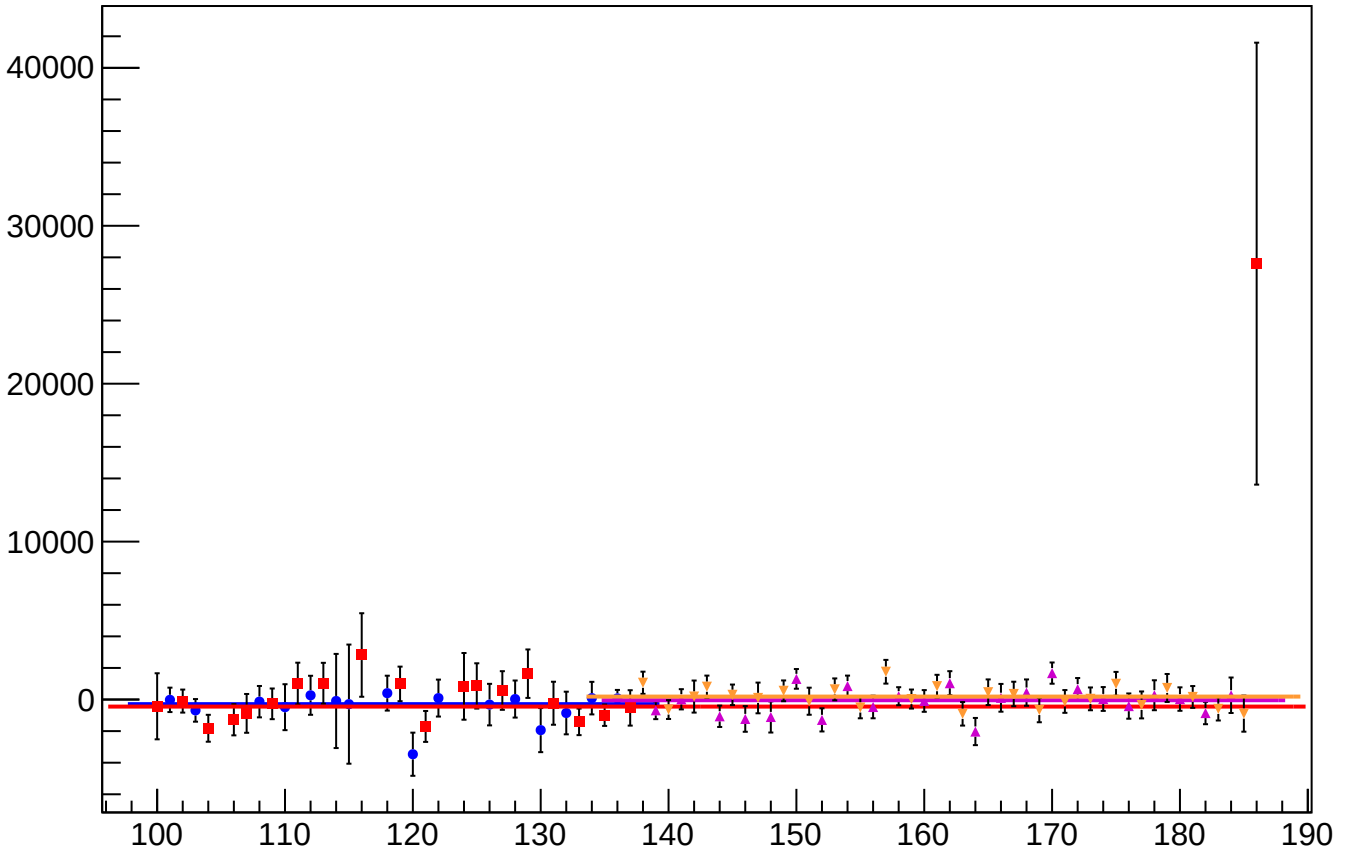
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 92.270+/-0.017 χ^2/NDF: 657851.4/35

In: 102.932+/-0.015 χ^2/NDF:761041.2/38

Out: 101.812+/-0.014 χ^2/NDF:1268138.9/44

All: 102.350+/-0.010 χ^2/NDF: 2032280.8/83



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

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

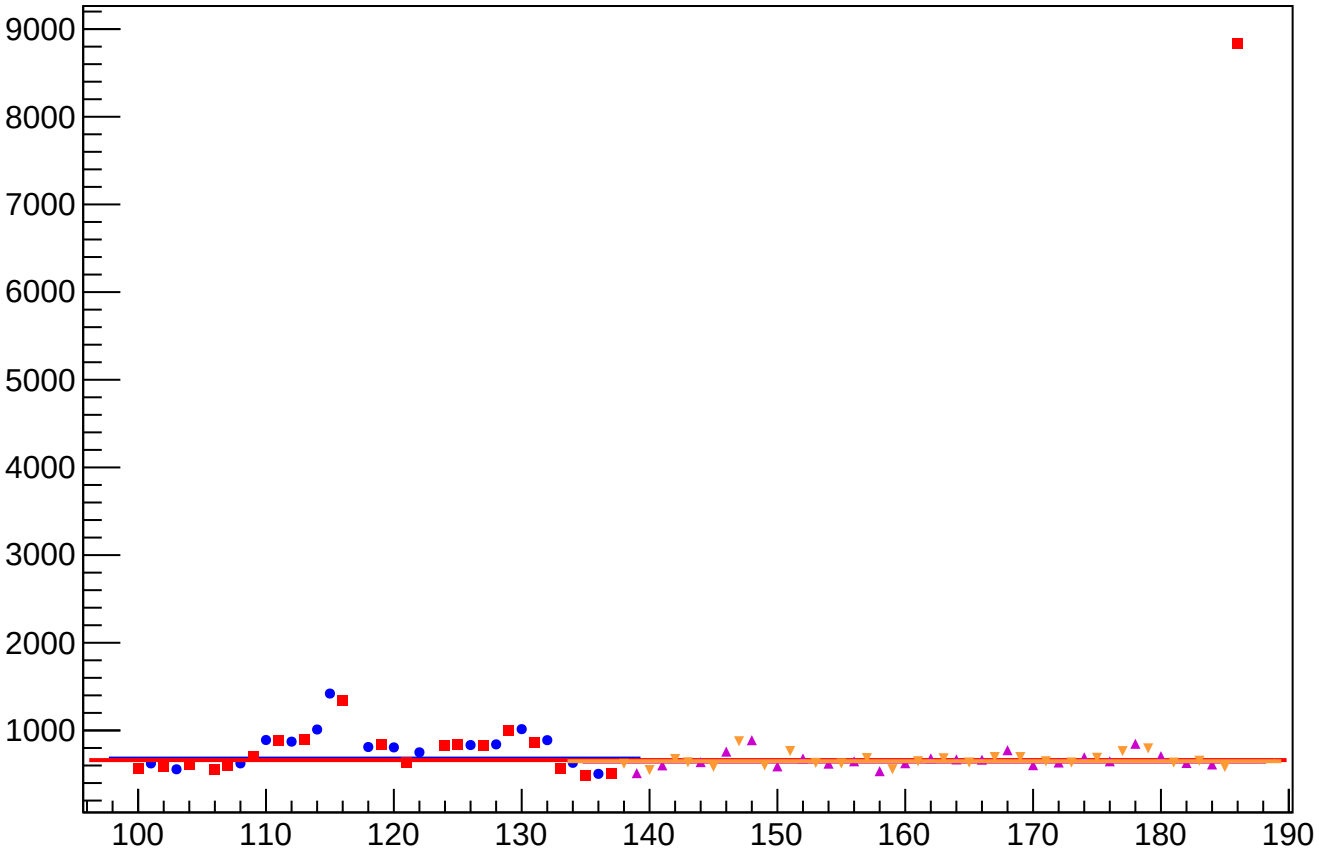
Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

Right: -373.202+/-179.609 χ^2/NDF: 29.9/35

In: -106.952+/-131.219 χ^2/NDF:43.2/38

Out: 19.424+/-127.699 χ^2/NDF:44.7/44

All: -42.046+/-91.516 χ^2/NDF: 88.4/83



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

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

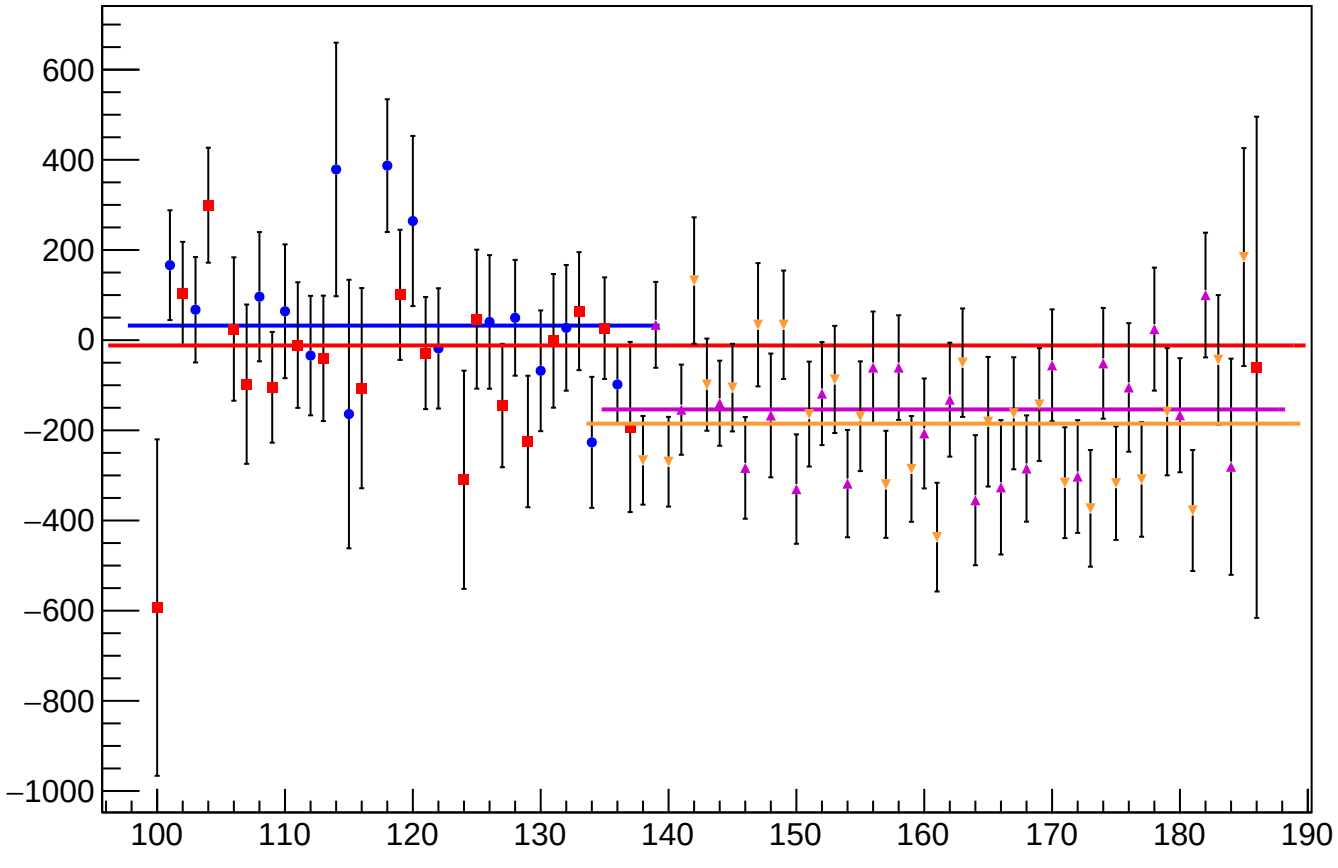
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 669.985+/-0.127 χ^2/NDF: 2251024.0/35

In: 652.991+/-0.093 χ^2/NDF:1354049.7/38

Out: 652.492+/-0.090 χ^2/NDF:1900518.4/44

All: 652.735+/-0.065 χ^2/NDF: 3254582.9/83



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

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

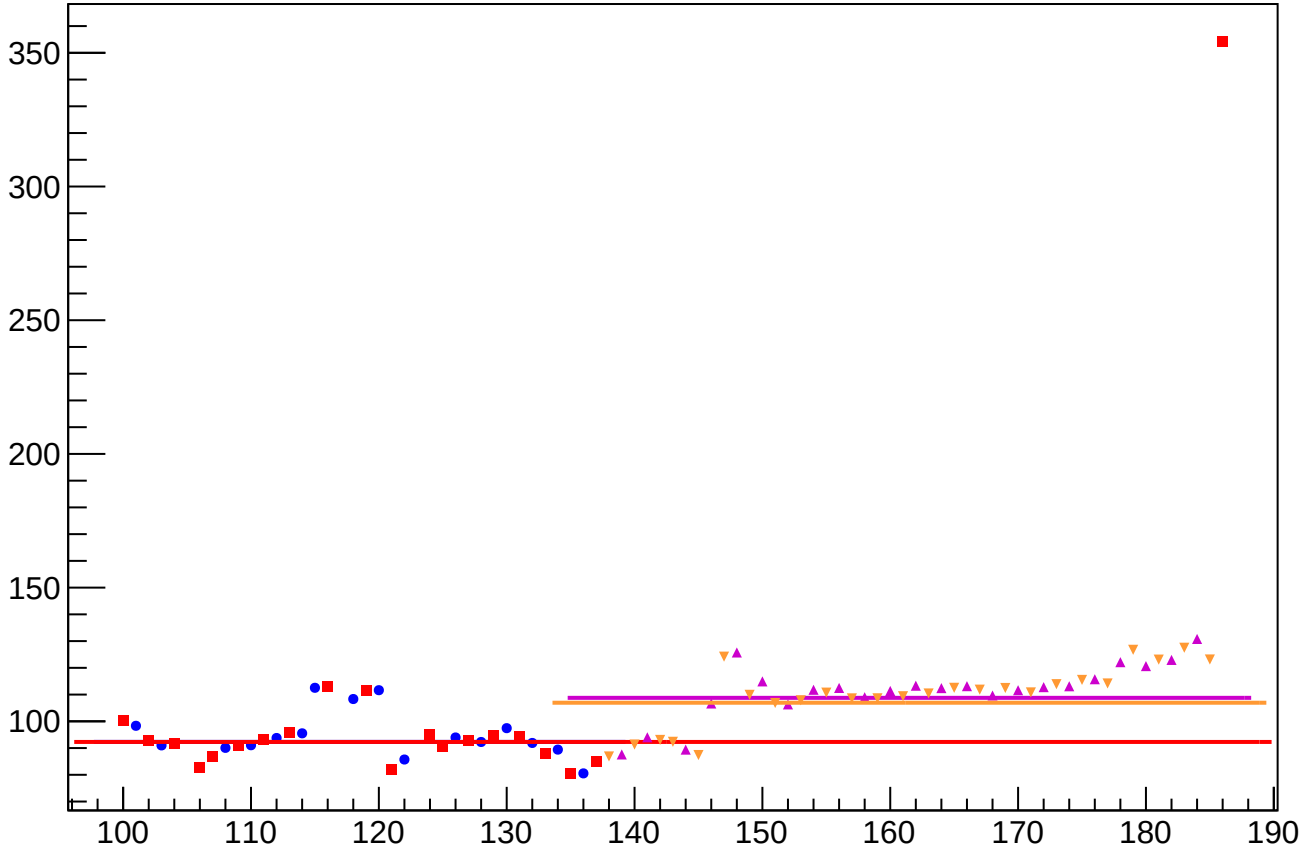
Right: 9.669+/-24.005 χ^2/NDF: 35.3/35

In: -87.635+/-20.511 χ^2/NDF:59.6/38

Out: -124.848+/-19.748 χ^2/NDF:67.7/44

All: -106.947+/-14.226 χ^2/NDF: 129.1/83

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

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

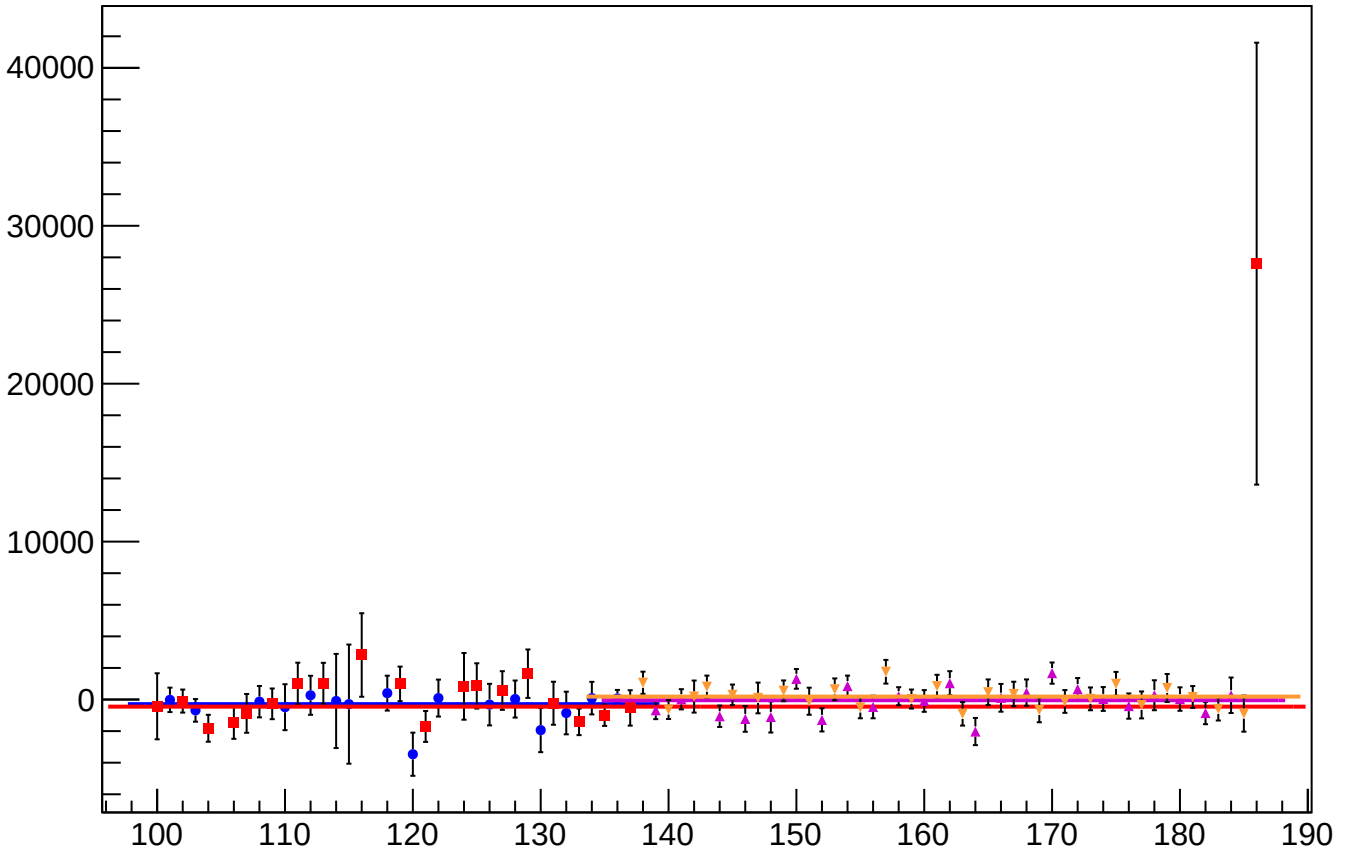
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 92.294+/-0.017 χ^2/NDF: 657527.7/35

In: 102.932+/-0.015 χ^2/NDF:761041.1/38

Out: 101.853+/-0.014 χ^2/NDF:1265005.4/44

All: 102.372+/-0.010 χ^2/NDF: 2028918.6/83



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

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

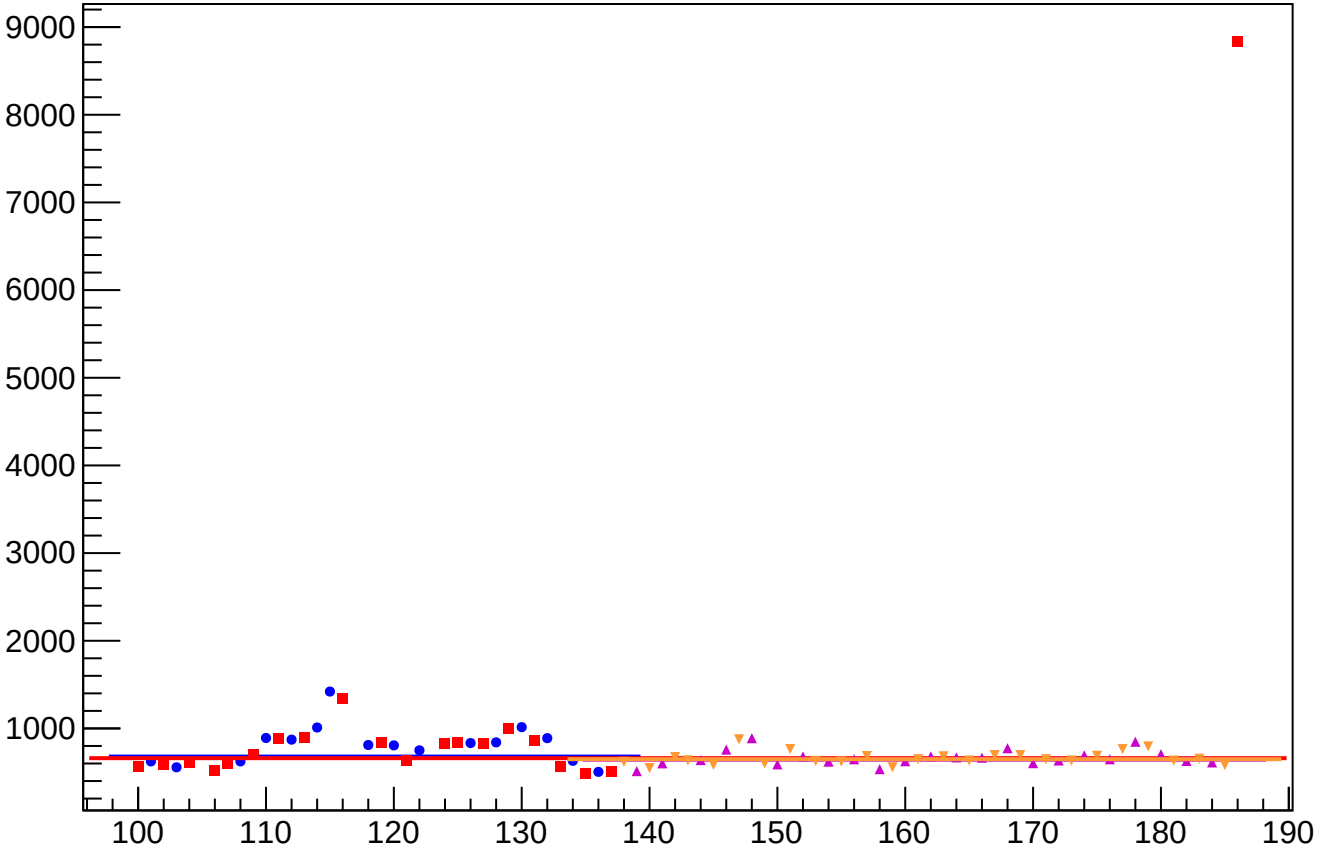
Right: -374.872+/-179.920 χ^2/NDF: 30.1/35

In: -106.953+/-131.219 χ^2/NDF:43.2/38

Out: 19.262+/-127.811 χ^2/NDF:44.9/44

All: -42.185+/-91.557 χ^2/NDF: 88.6/83

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

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

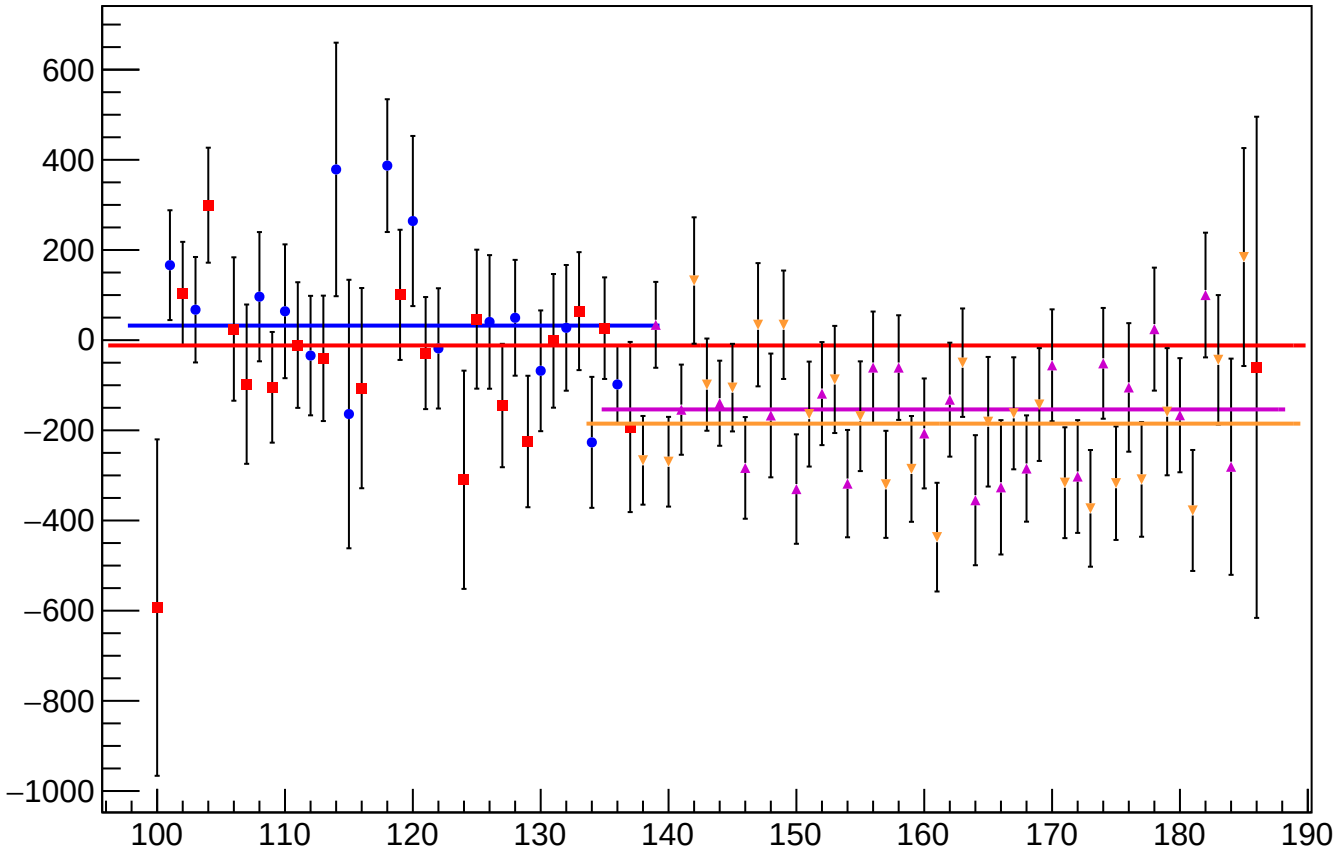
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 669.569+/-0.127 χ^2/NDF: 2261642.5/35

In: 652.991+/-0.093 χ^2/NDF:1354052.3/38

Out: 652.252+/-0.090 χ^2/NDF:1910175.6/44

All: 652.612+/-0.065 χ^2/NDF: 3264260.4/83



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

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

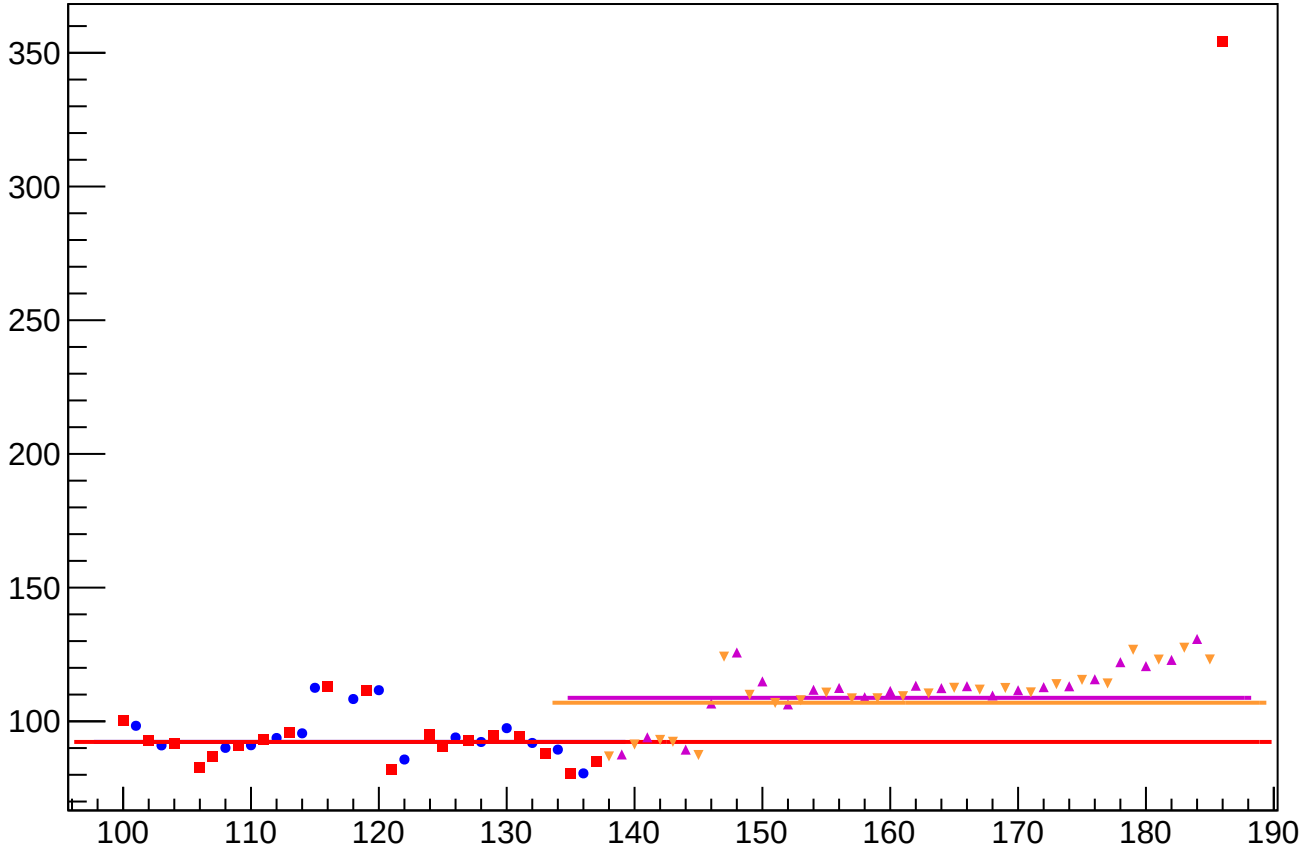
Right: 9.669+/-24.005 χ^2/NDF: 35.3/35

In: -87.635+/-20.511 χ^2/NDF:59.6/38

Out: -124.848+/-19.748 χ^2/NDF:67.7/44

All: -106.947+/-14.226 χ^2/NDF: 129.1/83

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

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

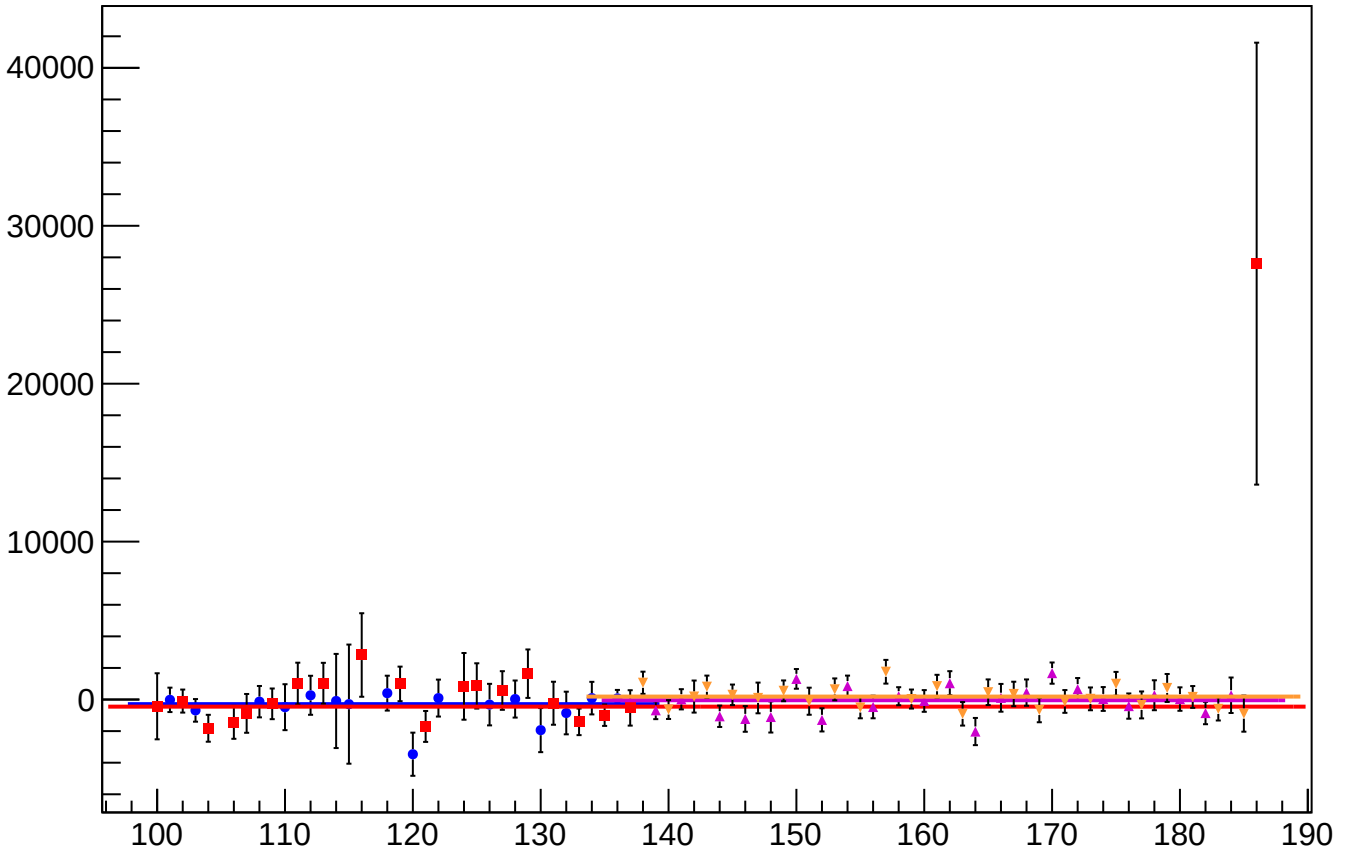
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 92.294+/-0.017 χ^2/NDF: 657527.7/35

In: 102.932+/-0.015 χ^2/NDF:761041.1/38

Out: 101.853+/-0.014 χ^2/NDF:1265005.4/44

All: 102.372+/-0.010 χ^2/NDF: 2028918.6/83



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

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

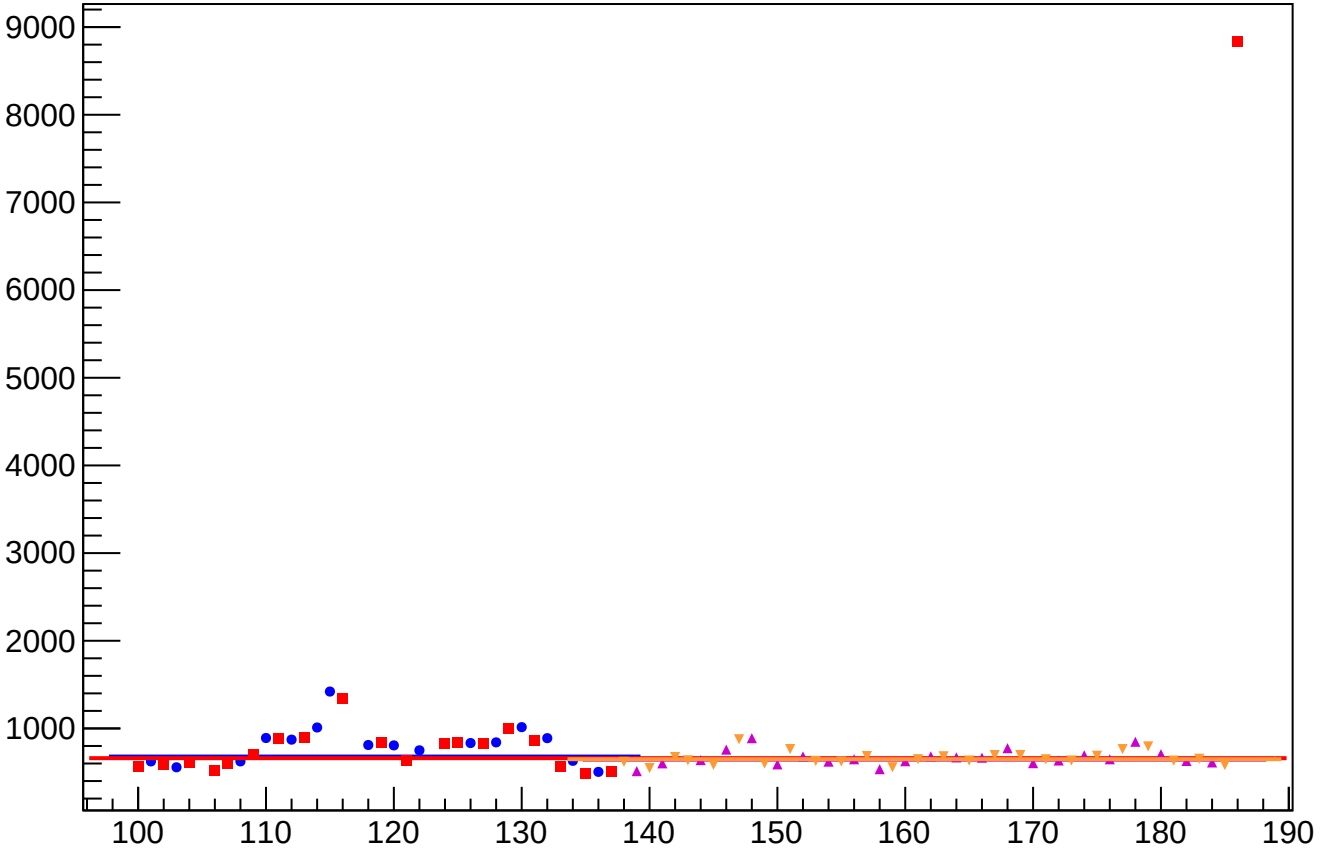
Right: -374.872+/-179.920 χ^2/NDF: 30.1/35

In: -106.953+/-131.219 χ^2/NDF:43.2/38

Out: 19.262+/-127.811 χ^2/NDF:44.9/44

All: -42.185+/-91.557 χ^2/NDF: 88.6/83

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

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

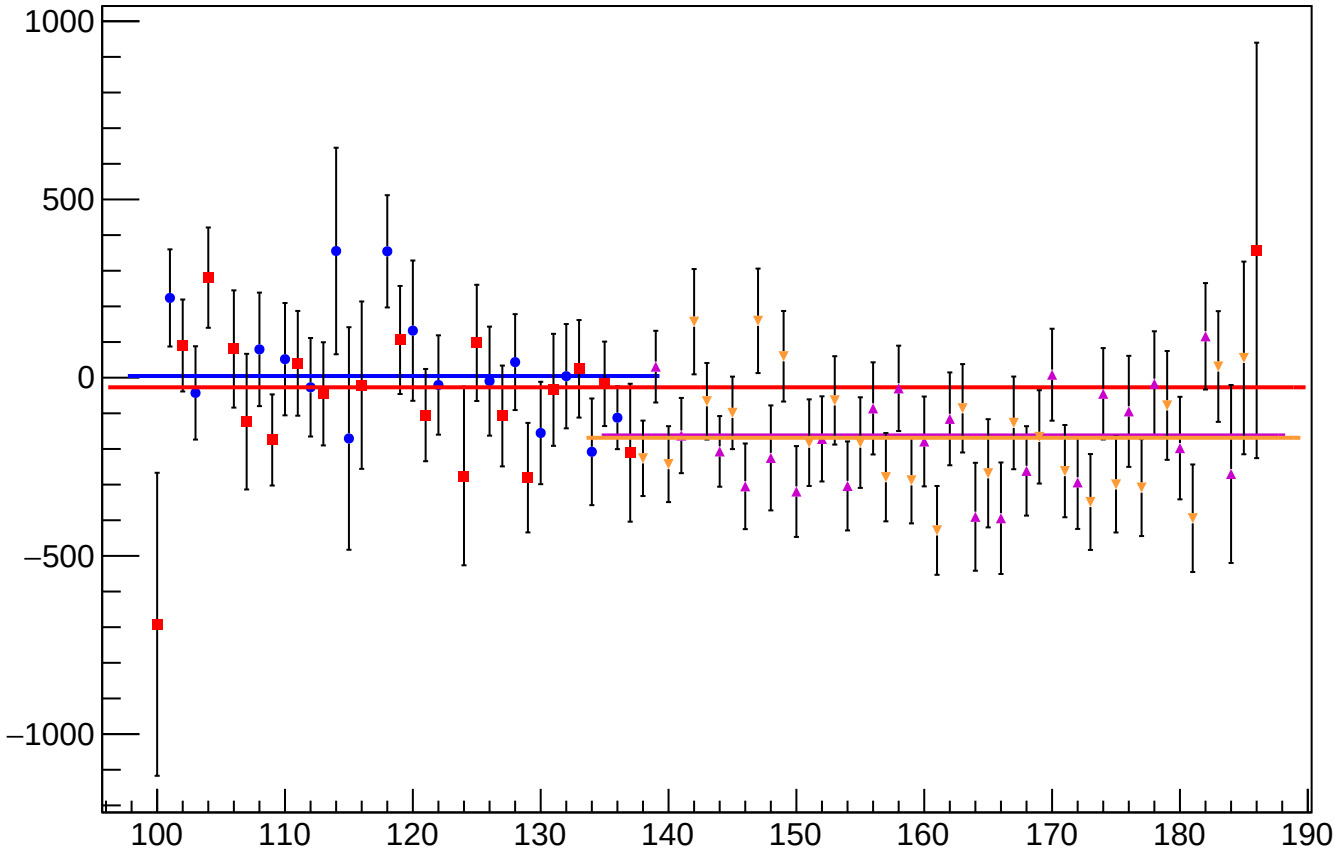
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 669.569+/-0.127 χ^2/NDF: 2261642.5/35

In: 652.991+/-0.093 χ^2/NDF:1354052.3/38

Out: 652.252+/-0.090 χ^2/NDF:1910175.6/44

All: 652.612+/-0.065 χ^2/NDF: 3264260.4/83



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

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

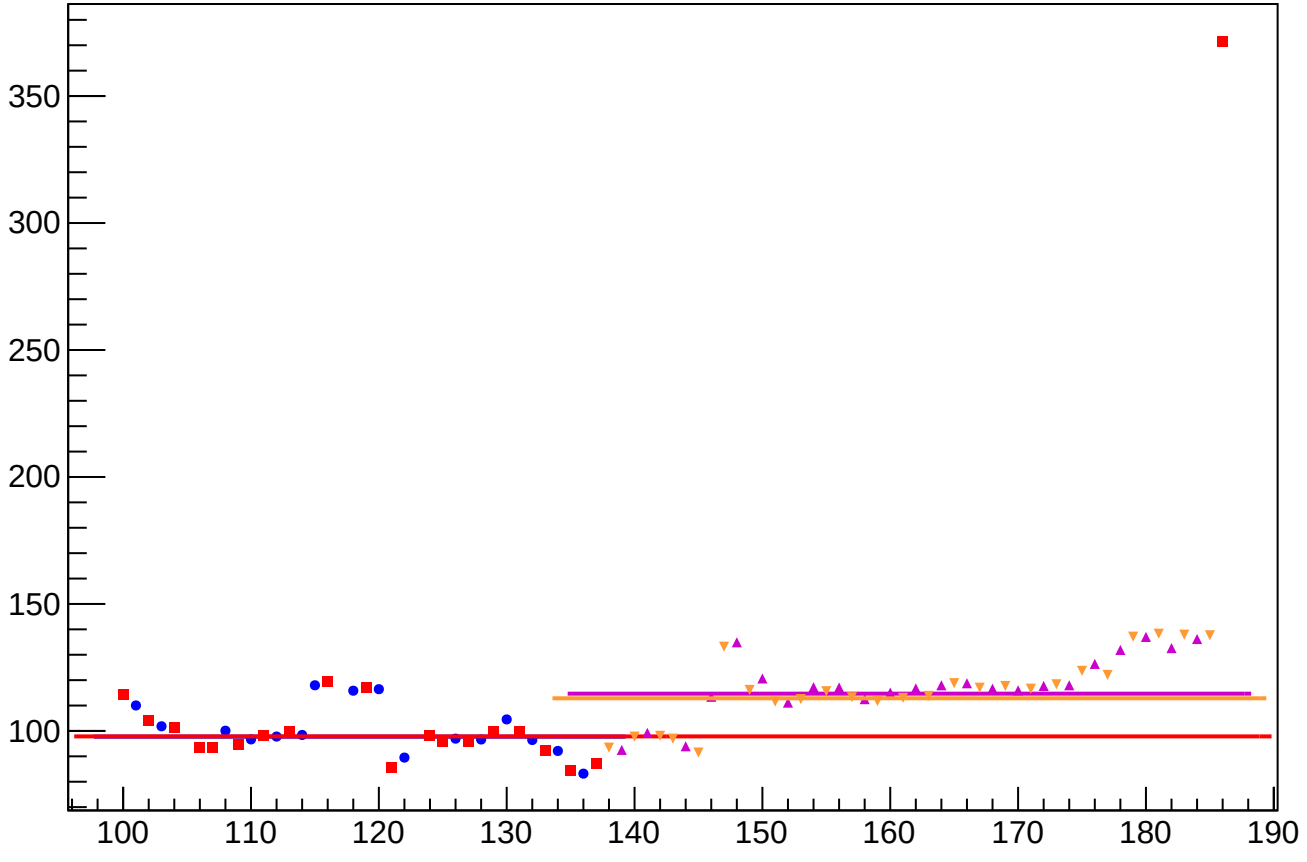
Right: -11.671+/-25.414 χ^2/NDF: 33.3/35

In: -103.257+/-21.681 χ^2/NDF:52.4/38

Out: -119.446+/-20.860 χ^2/NDF:60.4/44

All: -111.664+/-15.032 χ^2/NDF: 113.1/83

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

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

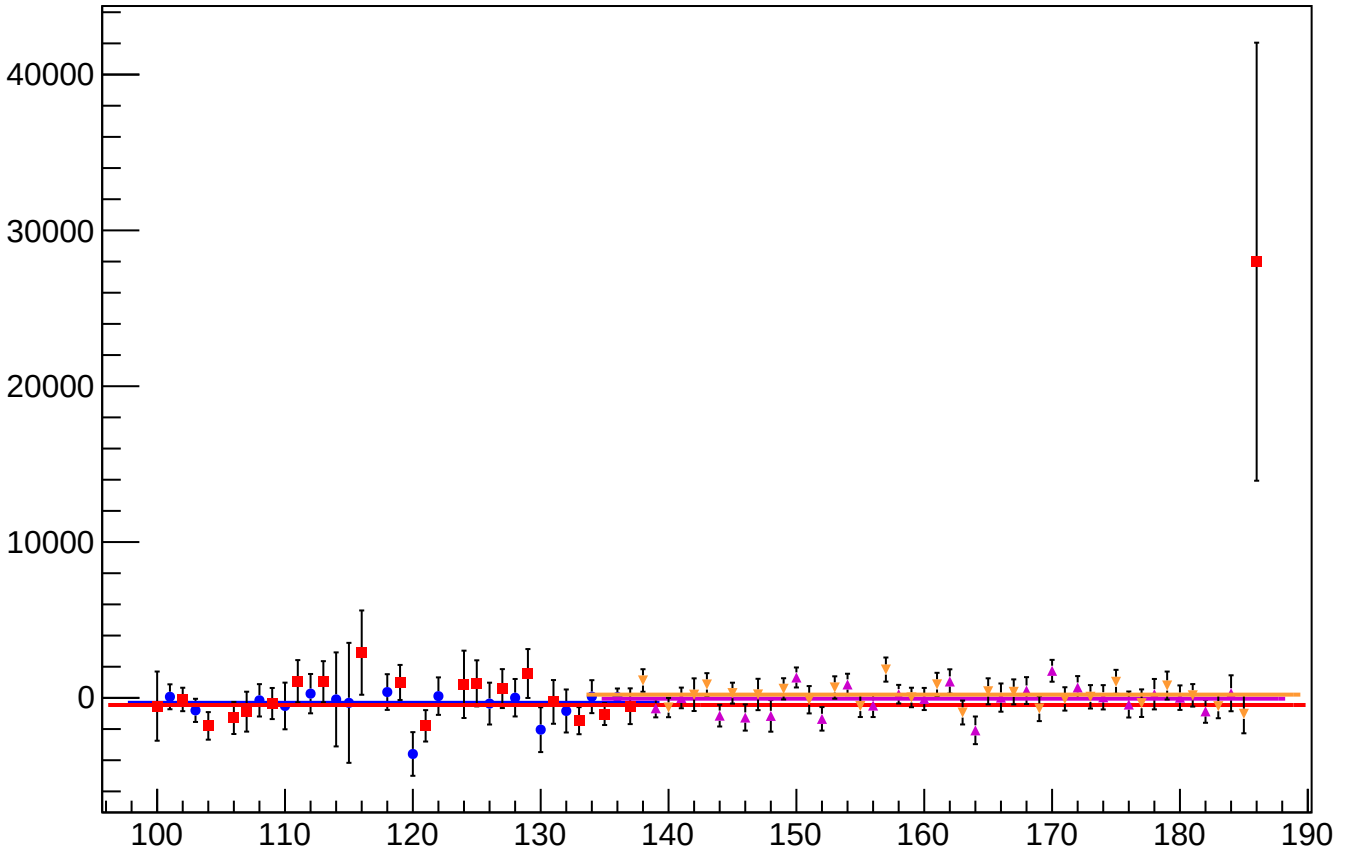
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.806+/-0.018 χ^2/NDF: 698041.6/35

In: 108.710+/-0.015 χ^2/NDF:828696.2/38

Out: 107.642+/-0.015 χ^2/NDF:1303949.8/44

All: 108.155+/-0.011 χ^2/NDF: 2135164.9/83



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

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

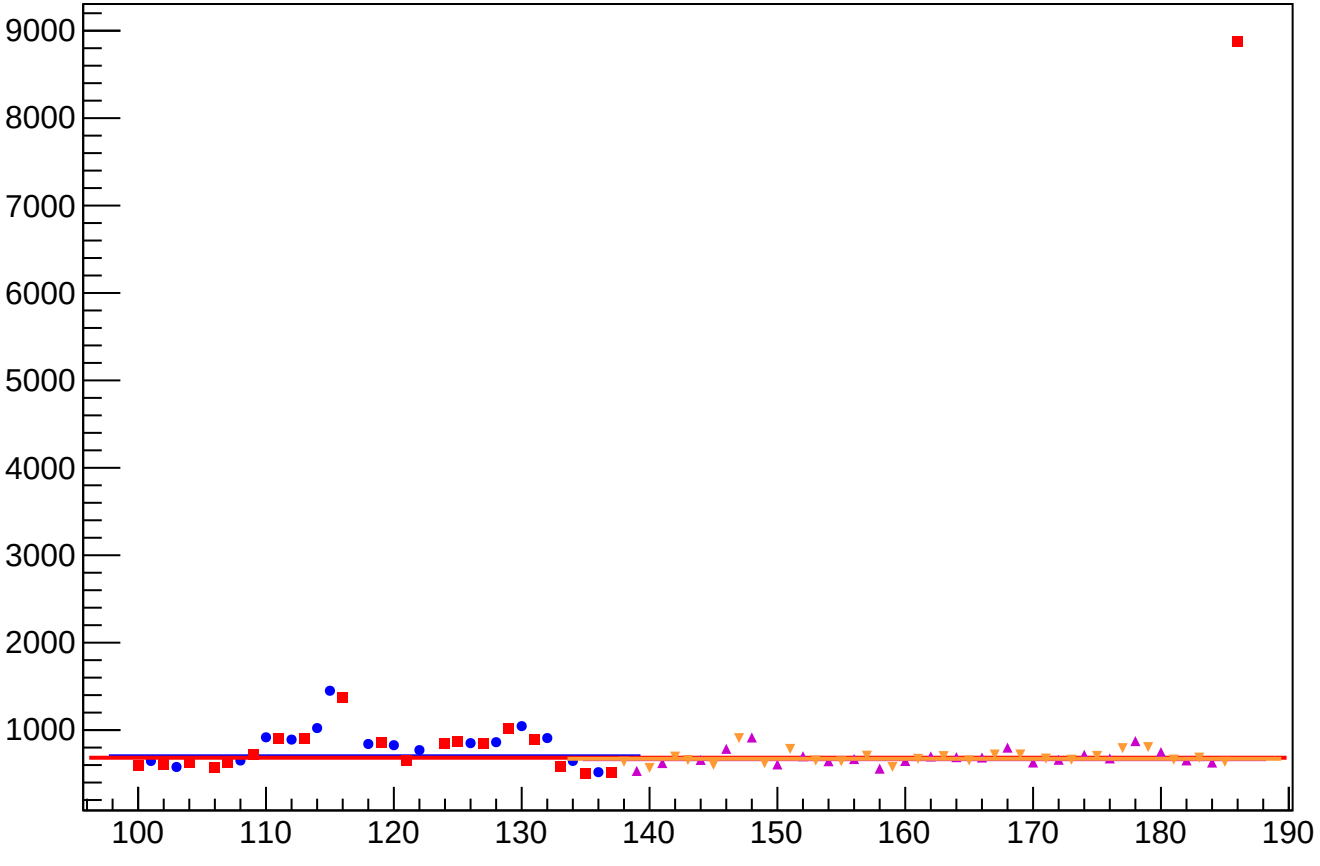
Right: -389.235+/-185.183 χ^2/NDF: 29.9/35

In: -118.805+/-135.715 χ^2/NDF:43.2/38

Out: 33.285+/-131.998 χ^2/NDF:44.4/44

All: -40.649+/-94.623 χ^2/NDF: 88.3/83

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

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

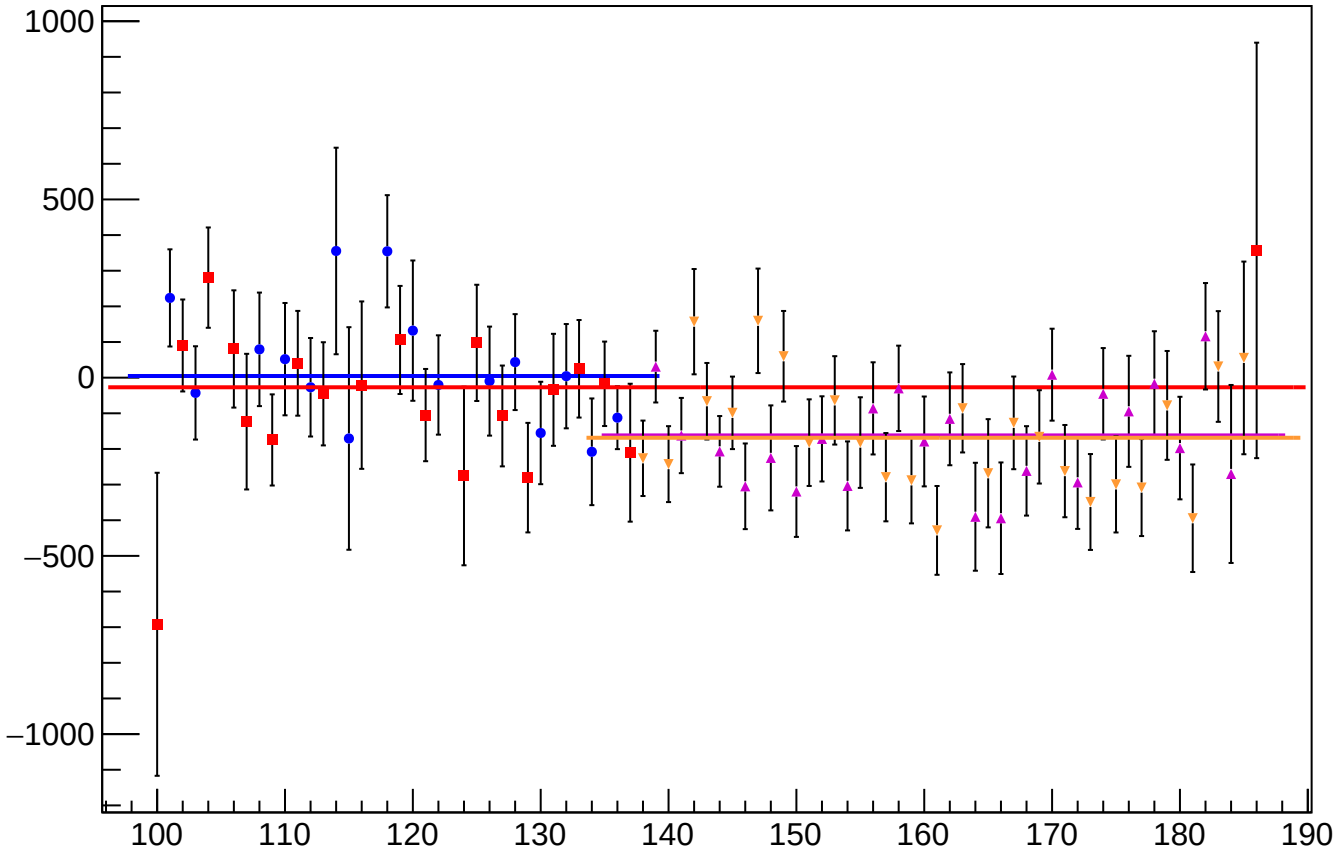
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 691.523+/-0.131 χ^2/NDF: 2206645.1/35

In: 675.740+/-0.096 χ^2/NDF:1322668.5/38

Out: 674.997+/-0.093 χ^2/NDF:1851471.0/44

All: 675.358+/-0.067 χ^2/NDF: 3174170.2/83



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

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

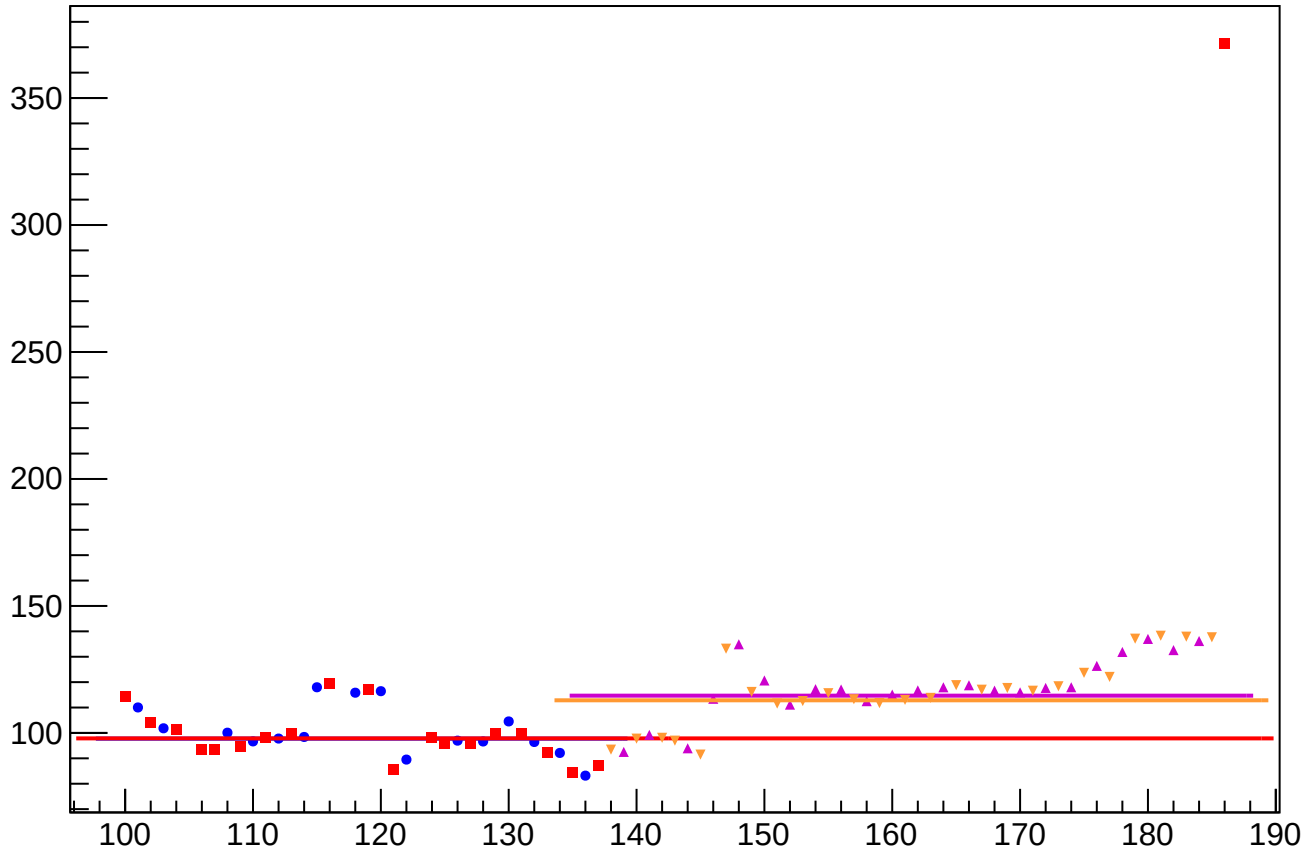
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -11.670+/-25.414 χ^2/NDF: 33.3/35

In: -103.256+/-21.681 χ^2/NDF:52.4/38

Out: -119.446+/-20.860 χ^2/NDF:60.4/44

All: -111.664+/-15.032 χ^2/NDF: 113.1/83



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

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

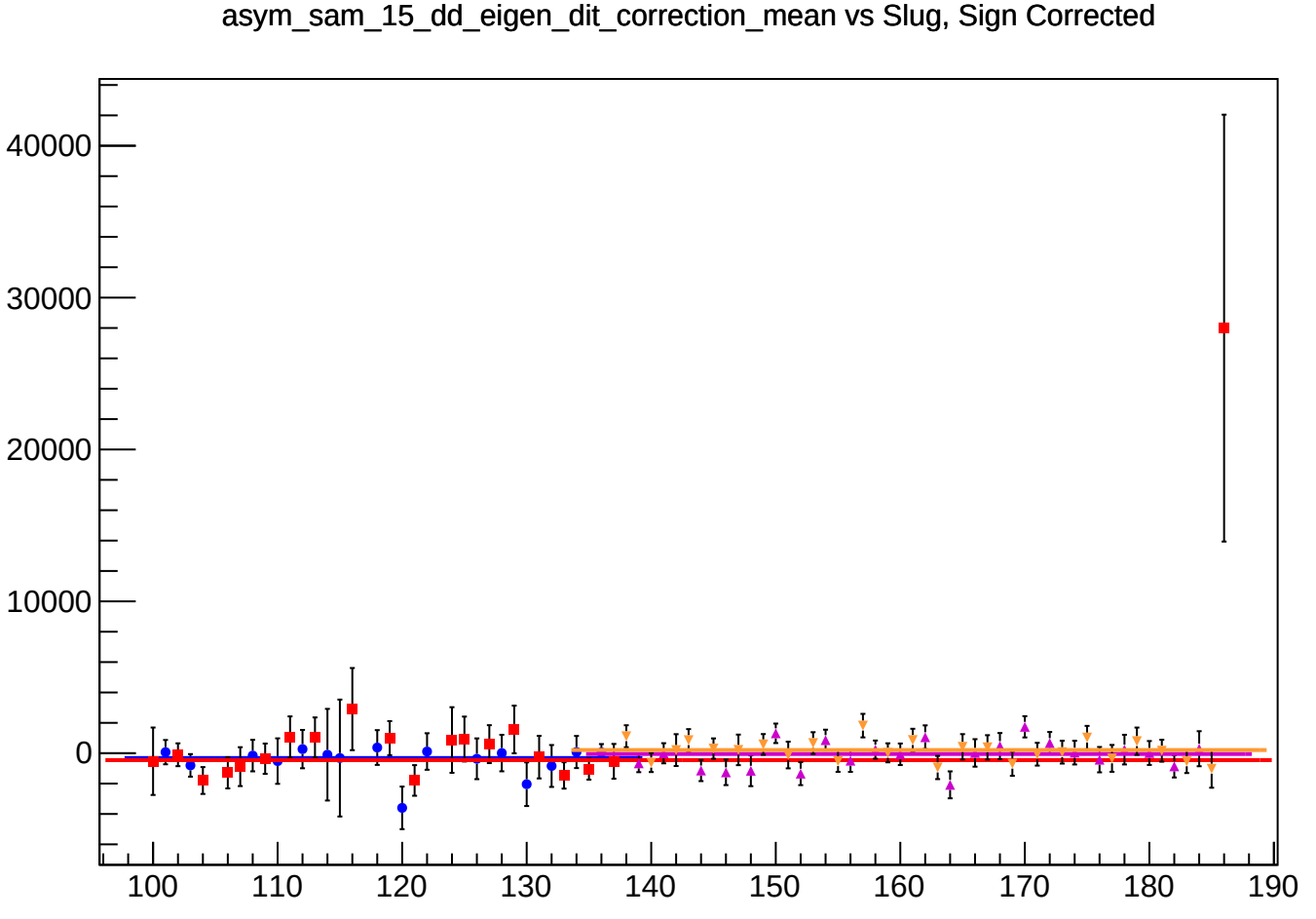
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.805+/-0.018 χ^2/NDF: 698040.9/35

In: 108.709+/-0.015 χ^2/NDF:828706.9/38

Out: 107.642+/-0.015 χ^2/NDF:1303953.9/44

All: 108.155+/-0.011 χ^2/NDF: 2135179.9/83



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

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

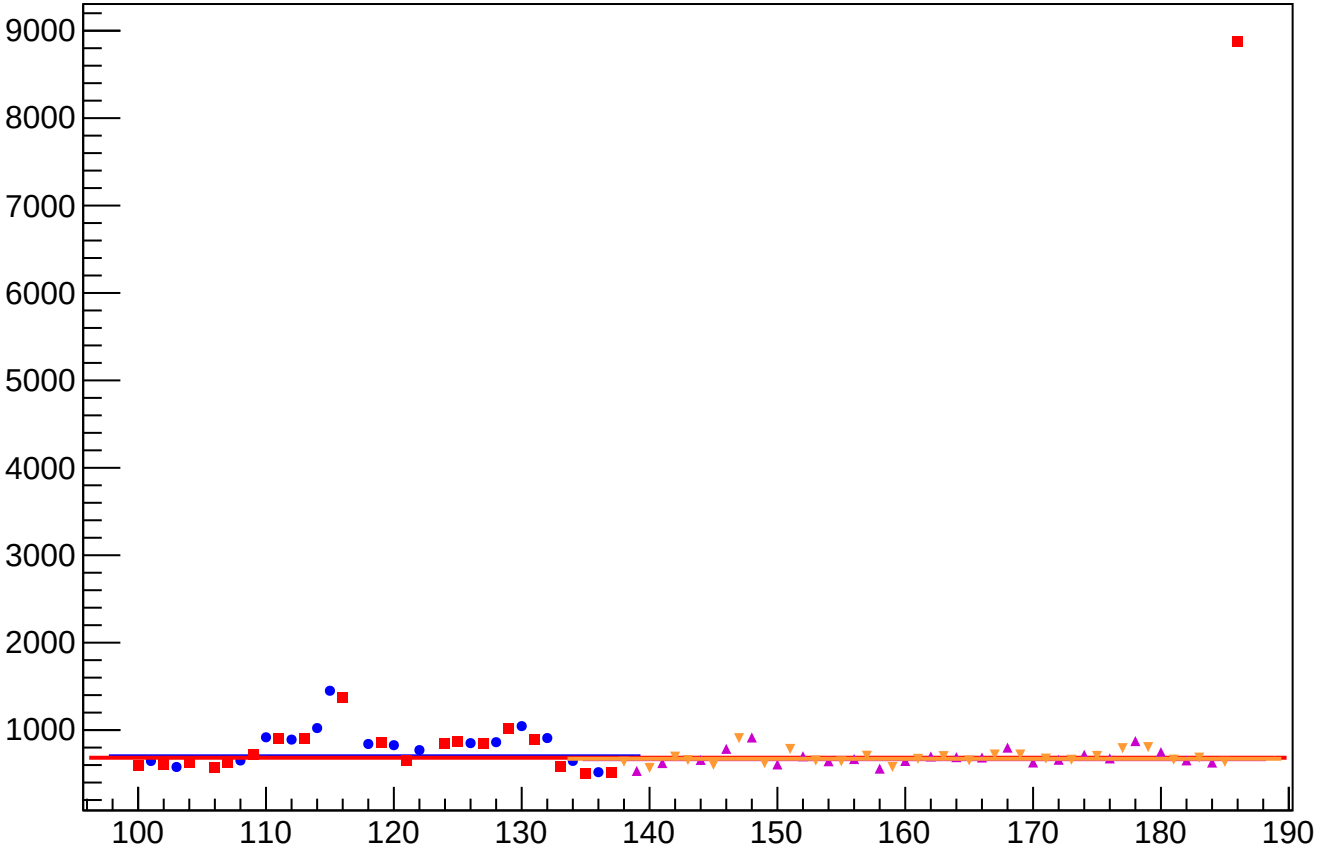
Right: -389.234+/-185.183 χ^2/NDF: 29.9/35

In: -118.805+/-135.715 χ^2/NDF:43.2/38

Out: 33.284+/-131.998 χ^2/NDF:44.4/44

All: -40.650+/-94.623 χ^2/NDF: 88.3/83

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 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

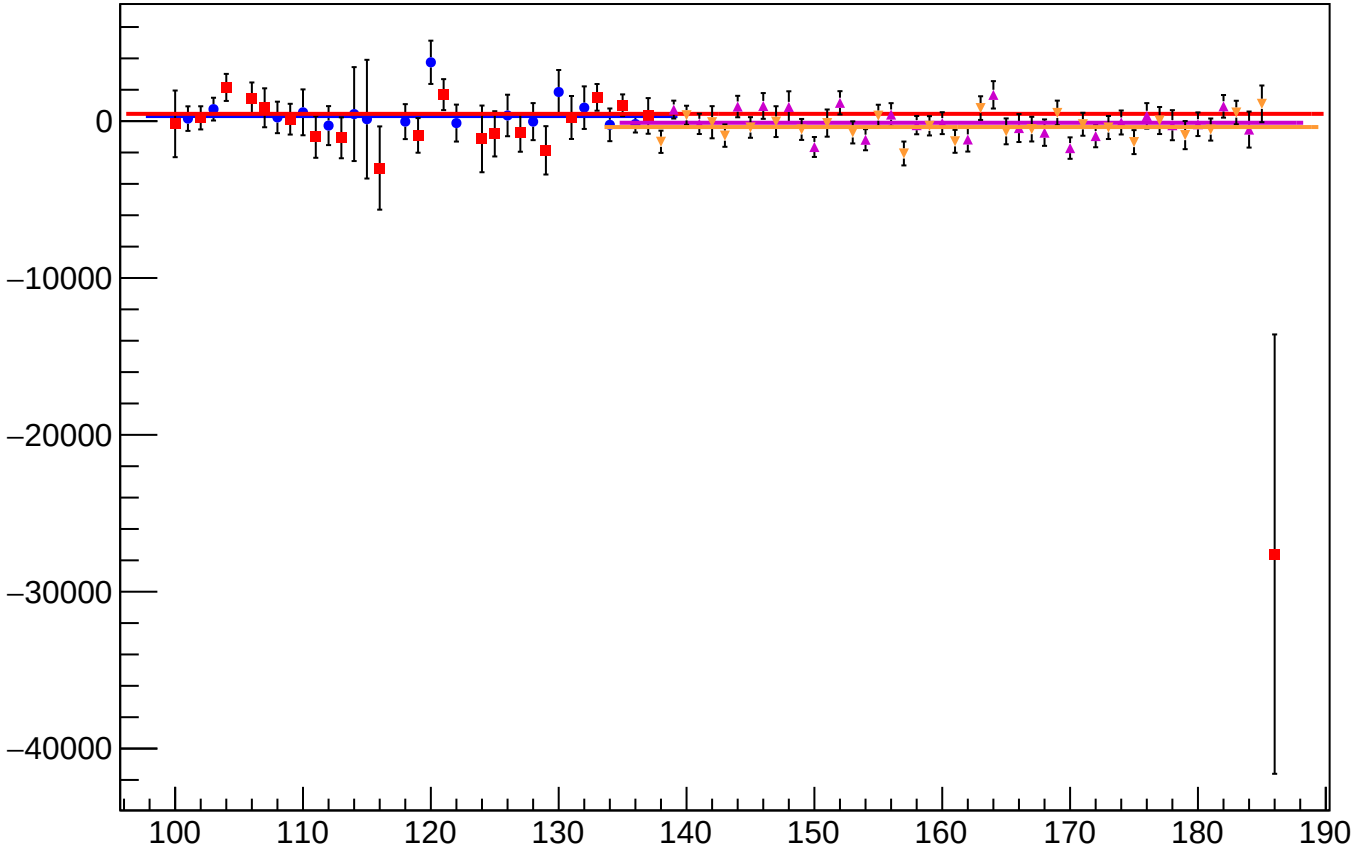
Right: 691.521+/-0.131 χ^2/NDF: 2206650.9/35

In: 675.740+/-0.096 χ^2/NDF:1322670.7/38

Out: 674.997+/-0.093 χ^2/NDF:1851473.3/44

All: 675.358+/-0.067 χ^2/NDF: 3174174.7/83

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

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

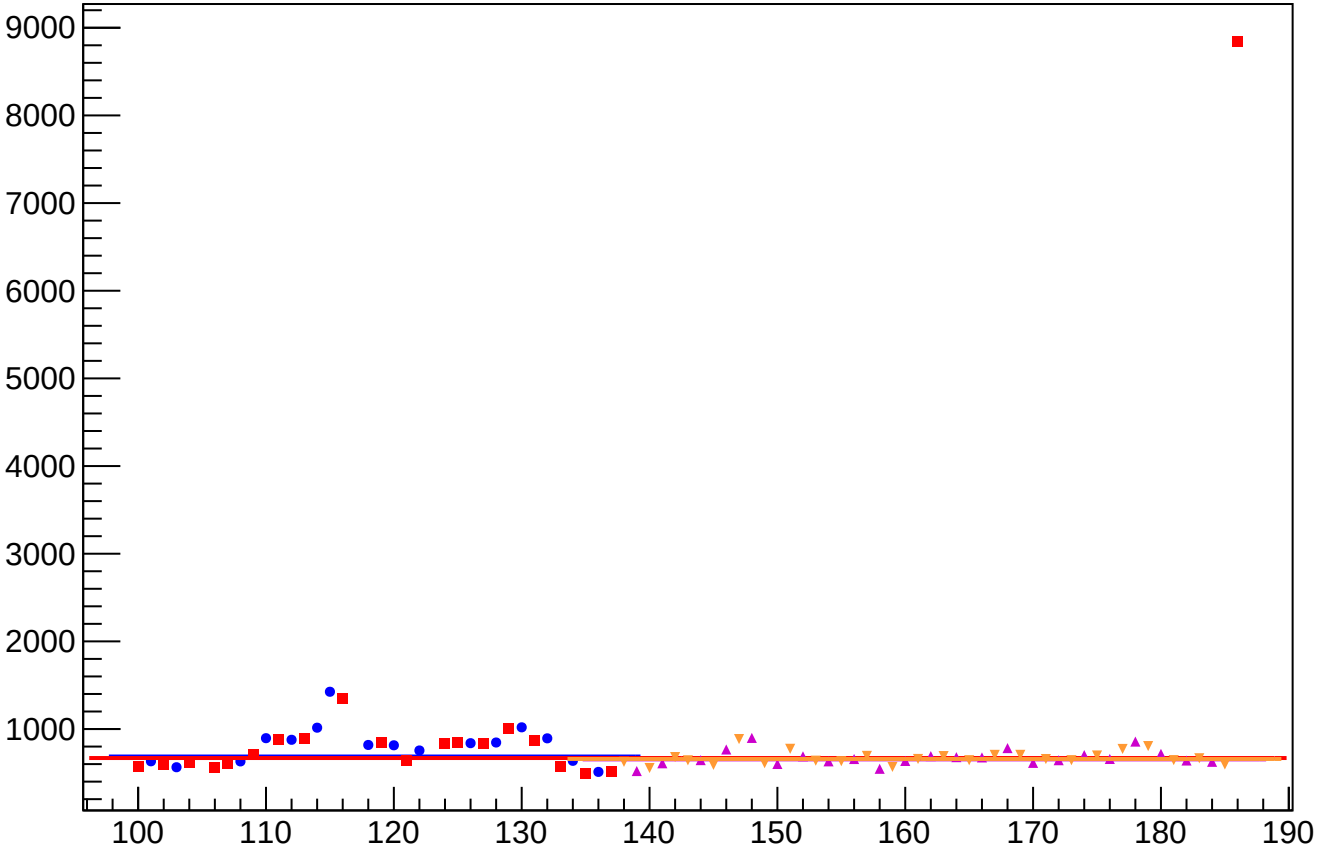
Right: 396.726+/-181.467 χ^2/NDF: 33.3/35

In: 6.347+/-133.022 χ^2/NDF:47.2/38

Out: -154.107+/-129.399 χ^2/NDF:53.1/44

All: -76.094+/-92.753 χ^2/NDF: 101.0/83

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

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

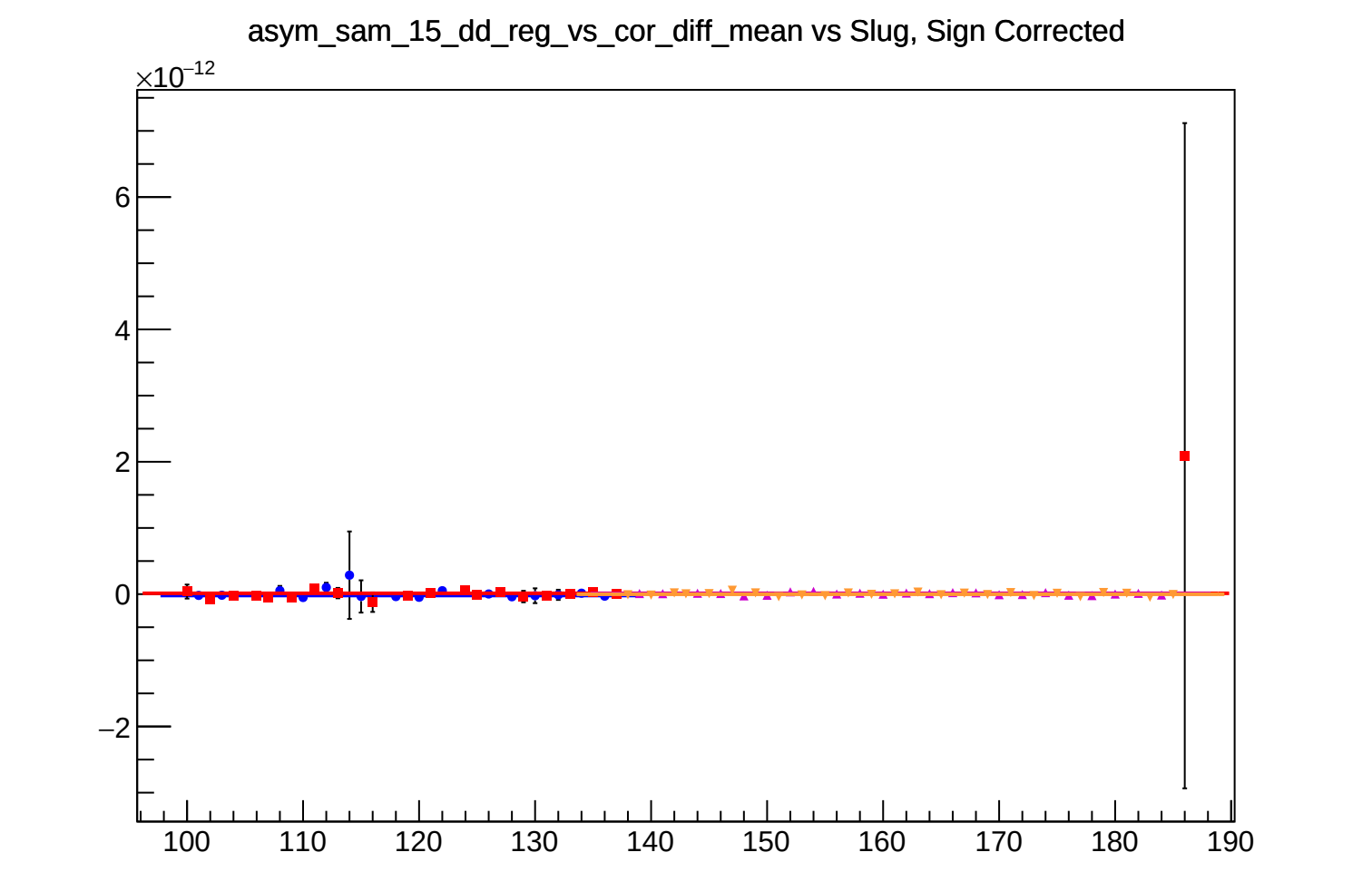
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 677.462+/-0.128 χ^2/NDF: 2212354.2/35

In: 662.292+/-0.094 χ^2/NDF:1314258.5/38

Out: 661.482+/-0.091 χ^2/NDF:1870750.2/44

All: 661.876+/-0.066 χ^2/NDF: 3185046.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

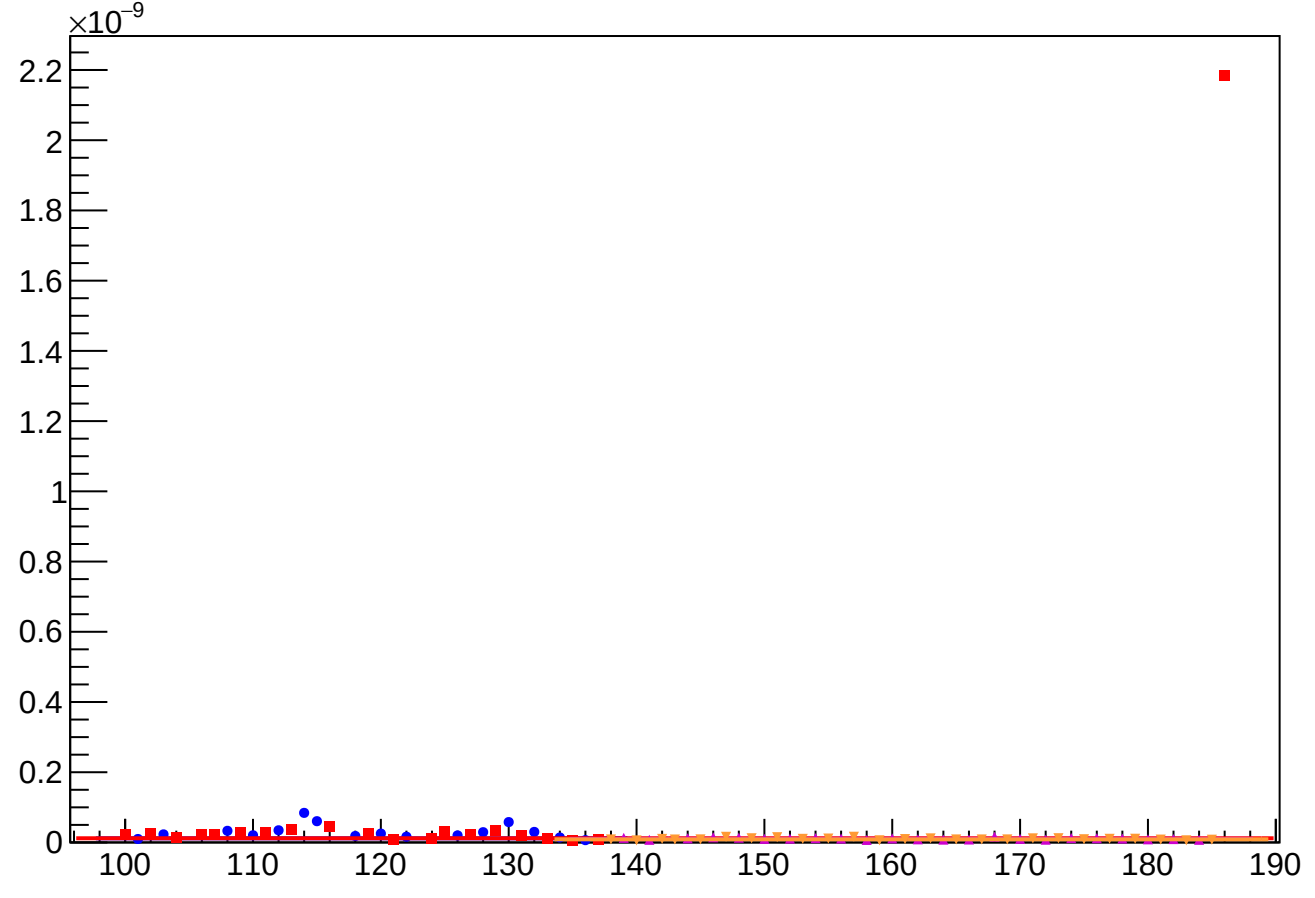
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 36.2/35

In: 0.000+/-0.000 χ^2/NDF:36.3/38

Out: 0.000+/-0.000 χ^2/NDF:51.9/44

All: 0.000+/-0.000 χ^2/NDF: 88.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2161176.0/15

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

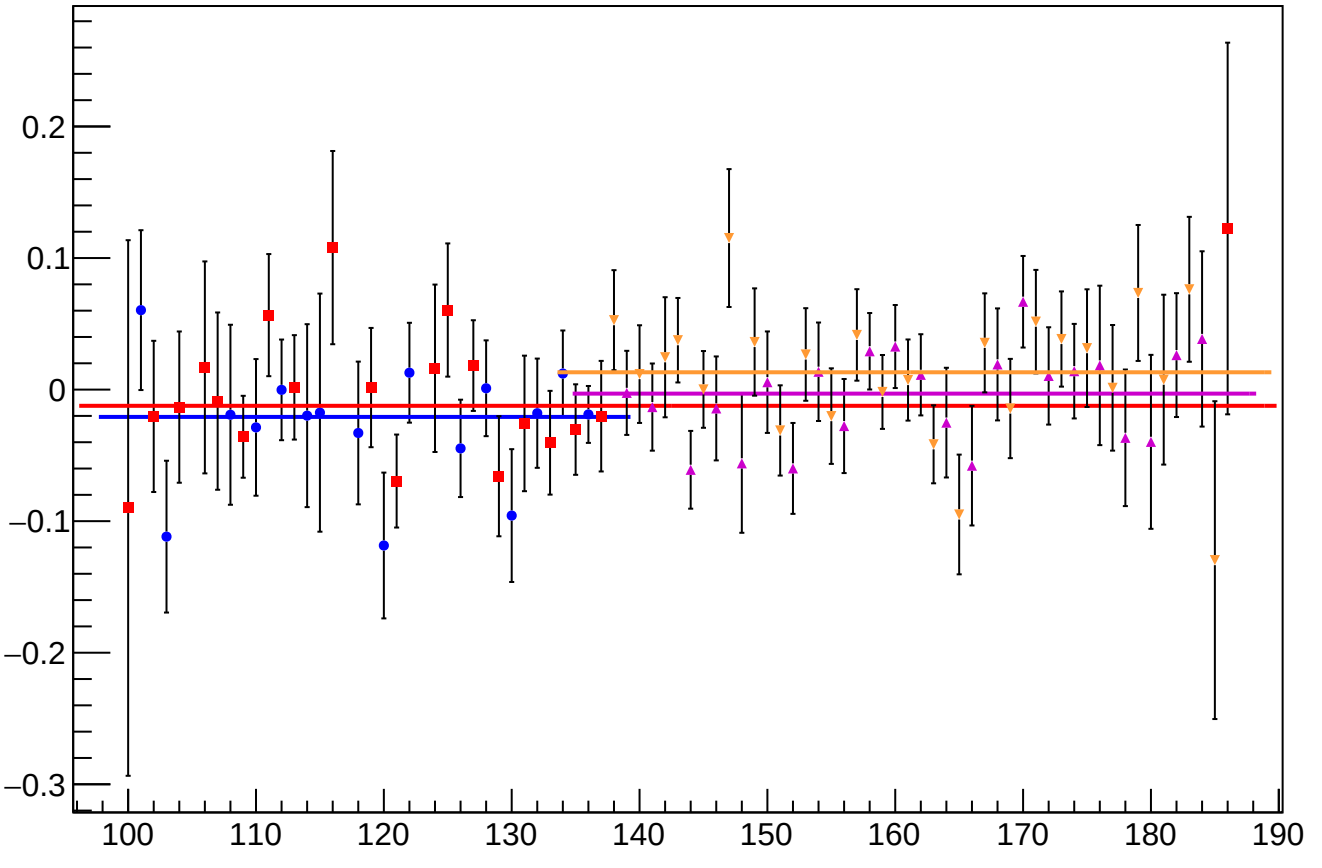
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 4737588.7/35

In: 0.000+/-0.000 χ^2/NDF:2884822.0/38

Out: 0.000+/-0.000 χ^2/NDF:3851915.2/44

All: 0.000+/-0.000 χ^2/NDF: 6839697.8/83



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

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

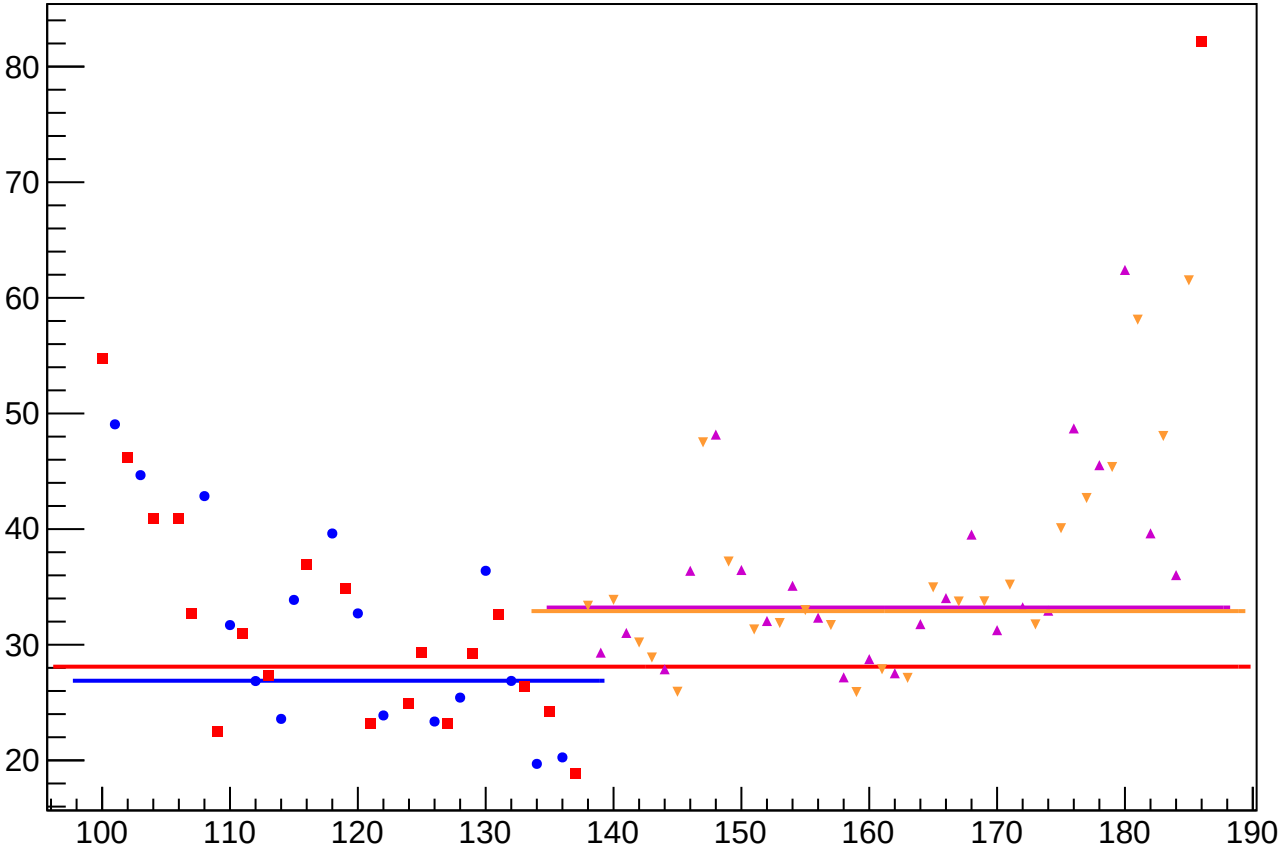
Right: -0.017+/-0.007 χ^2/NDF: 27.7/35

In: -0.010+/-0.006 χ^2/NDF:33.5/38

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/83

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

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

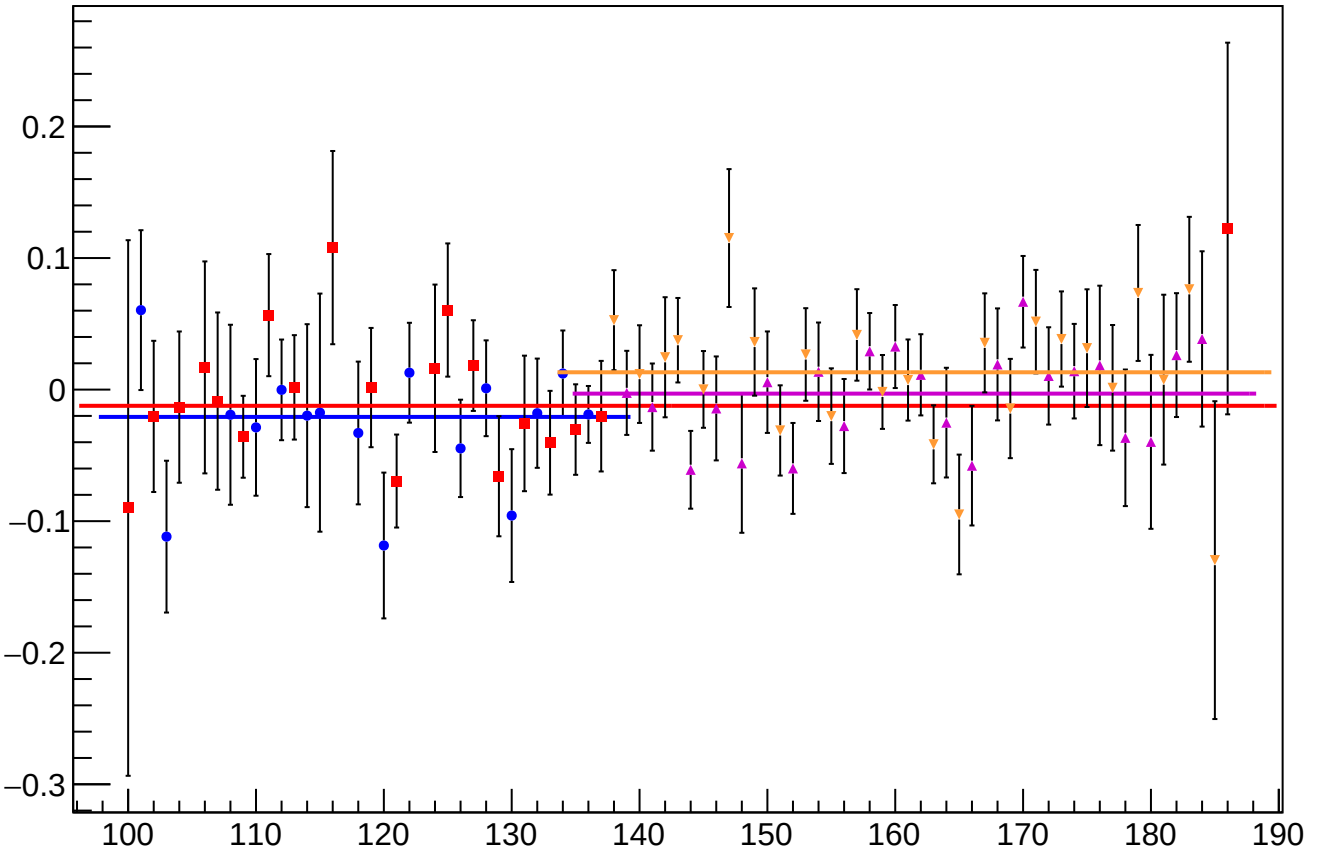
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 27.494+/-0.005 χ^2/NDF: 2191420.1/35

In: 30.907+/-0.004 χ^2/NDF:2803067.1/38

Out: 31.236+/-0.004 χ^2/NDF:2757778.8/44

All: 31.075+/-0.003 χ^2/NDF: 5563584.5/83



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

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

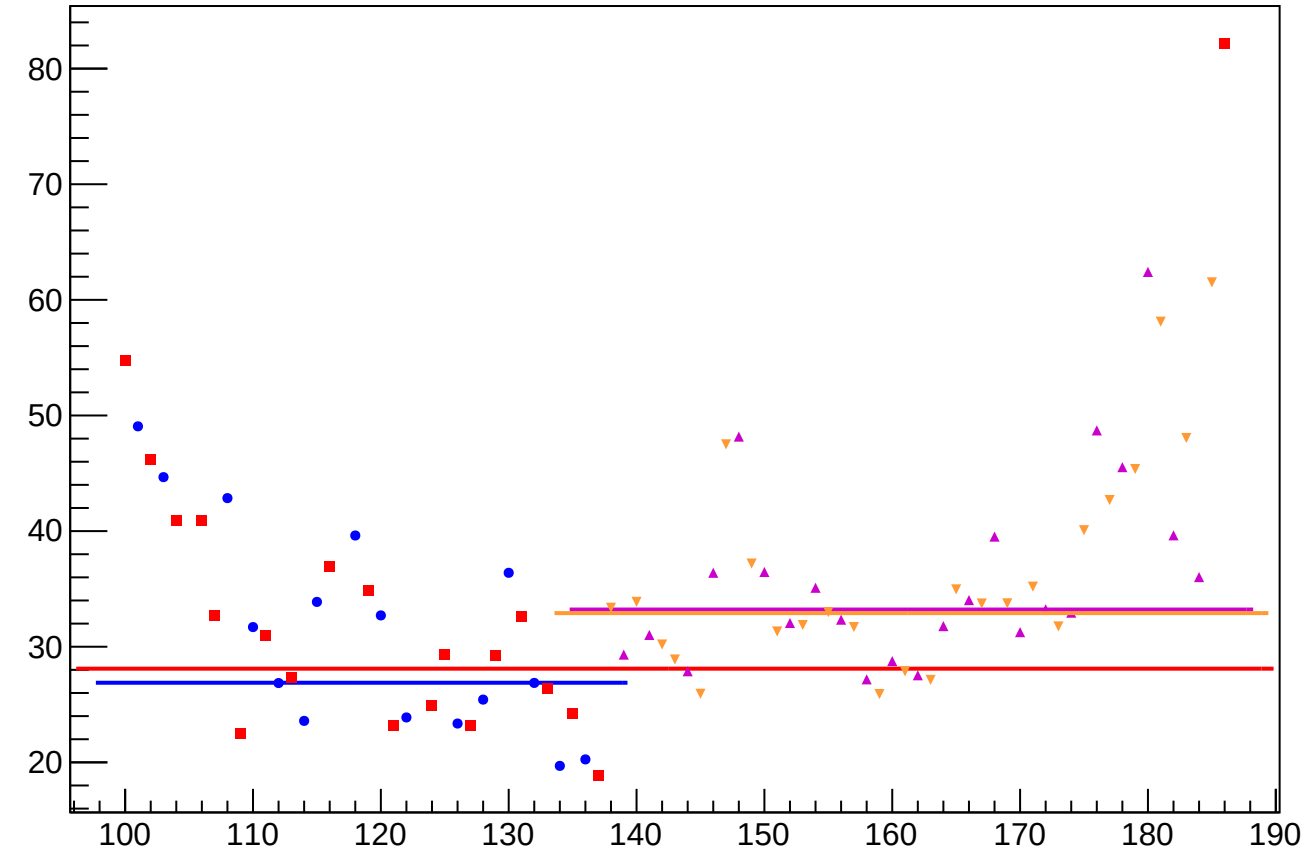
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.017+/-0.007 χ^2/NDF: 27.7/35

In: -0.010+/-0.006 χ^2/NDF:33.5/38

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/83



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

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

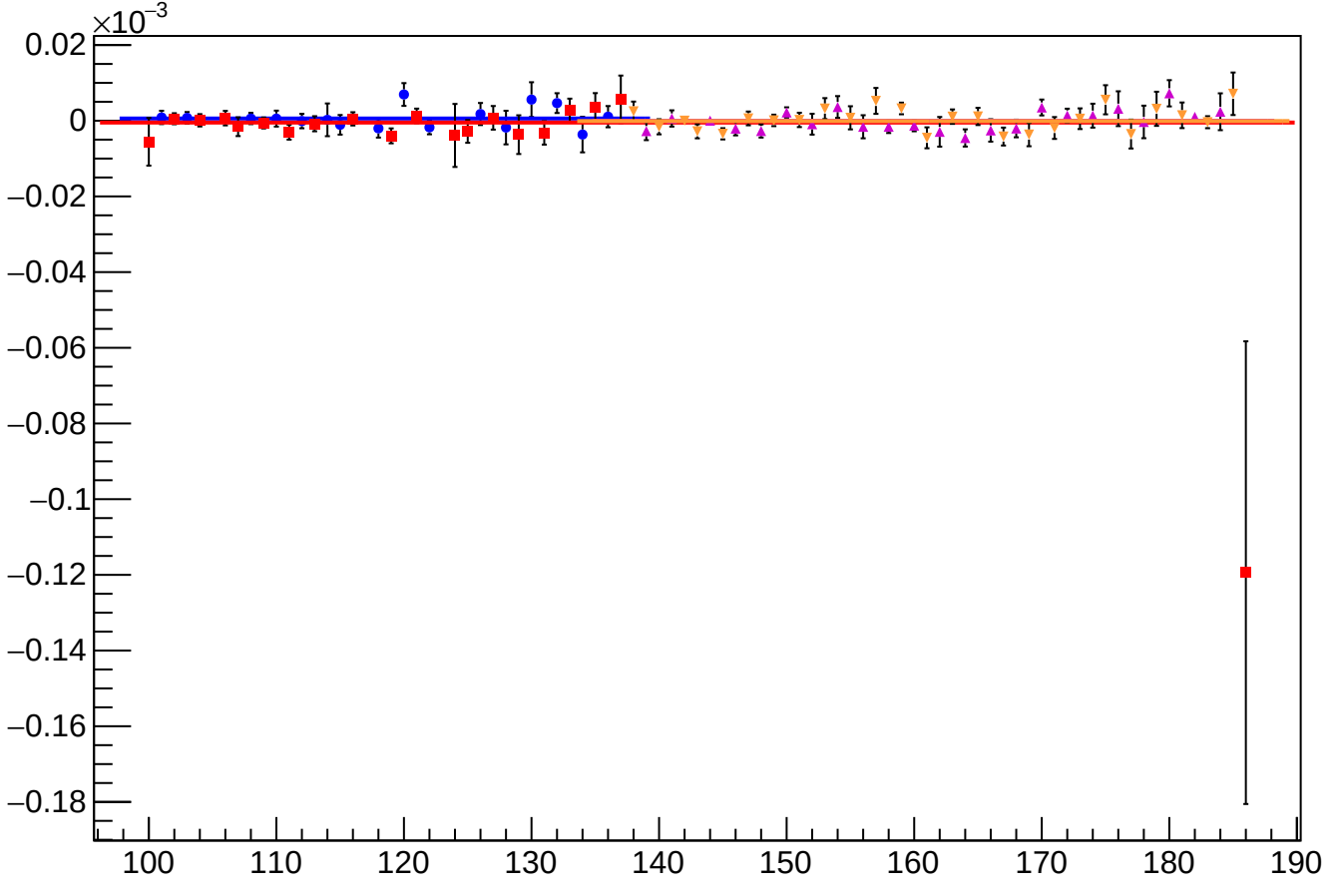
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 27.494+/-0.005 χ^2/NDF: 2191420.1/35

In: 30.907+/-0.004 χ^2/NDF:2803067.1/38

Out: 31.236+/-0.004 χ^2/NDF:2757778.8/44

All: 31.075+/-0.003 χ^2/NDF: 5563584.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

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

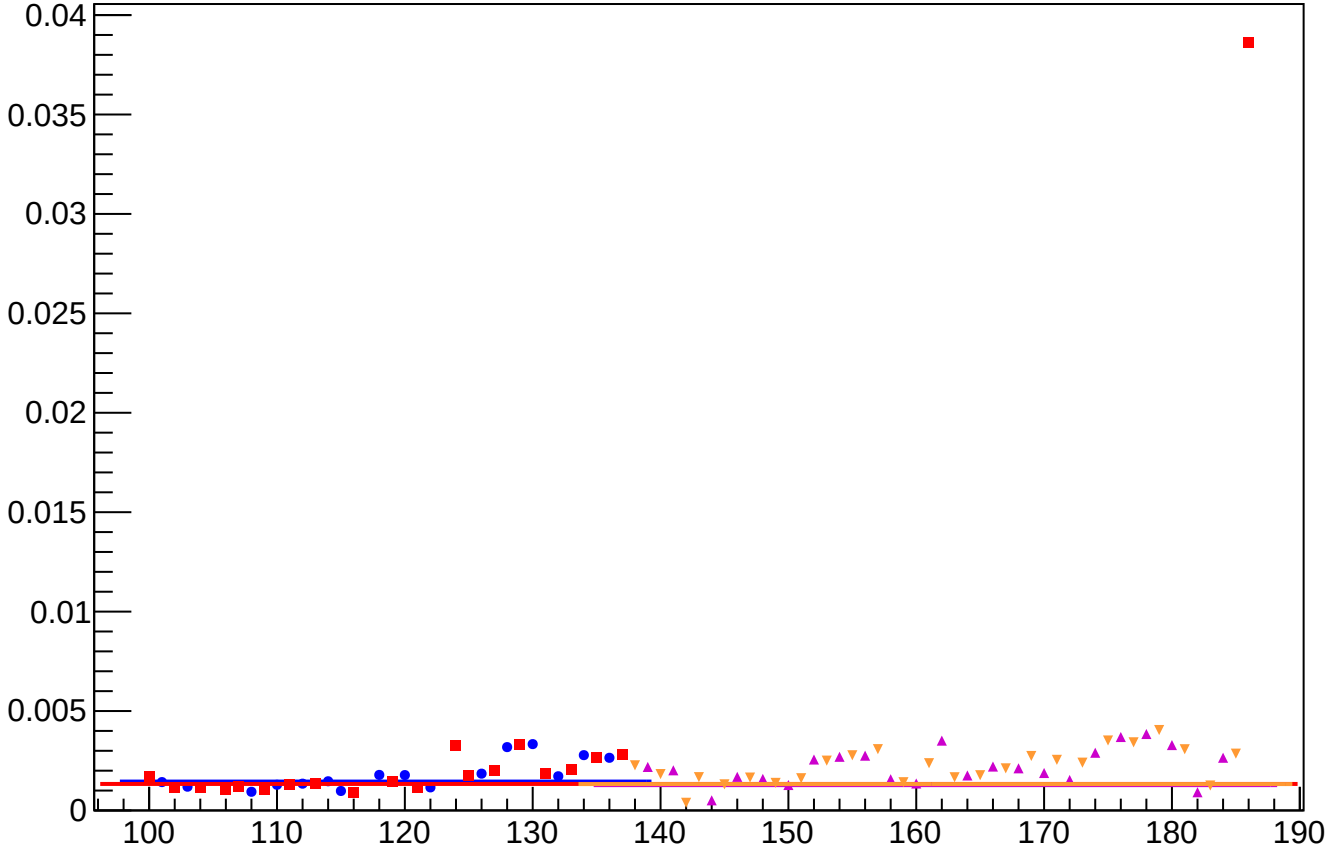
Right: -0.000+/-0.000 χ^2/NDF: 31.6/35

In: 0.000+/-0.000 χ^2/NDF:40.5/38

Out: -0.000+/-0.000 χ^2/NDF:48.4/44

All: -0.000+/-0.000 χ^2/NDF: 89.6/83

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2146247.9/19

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

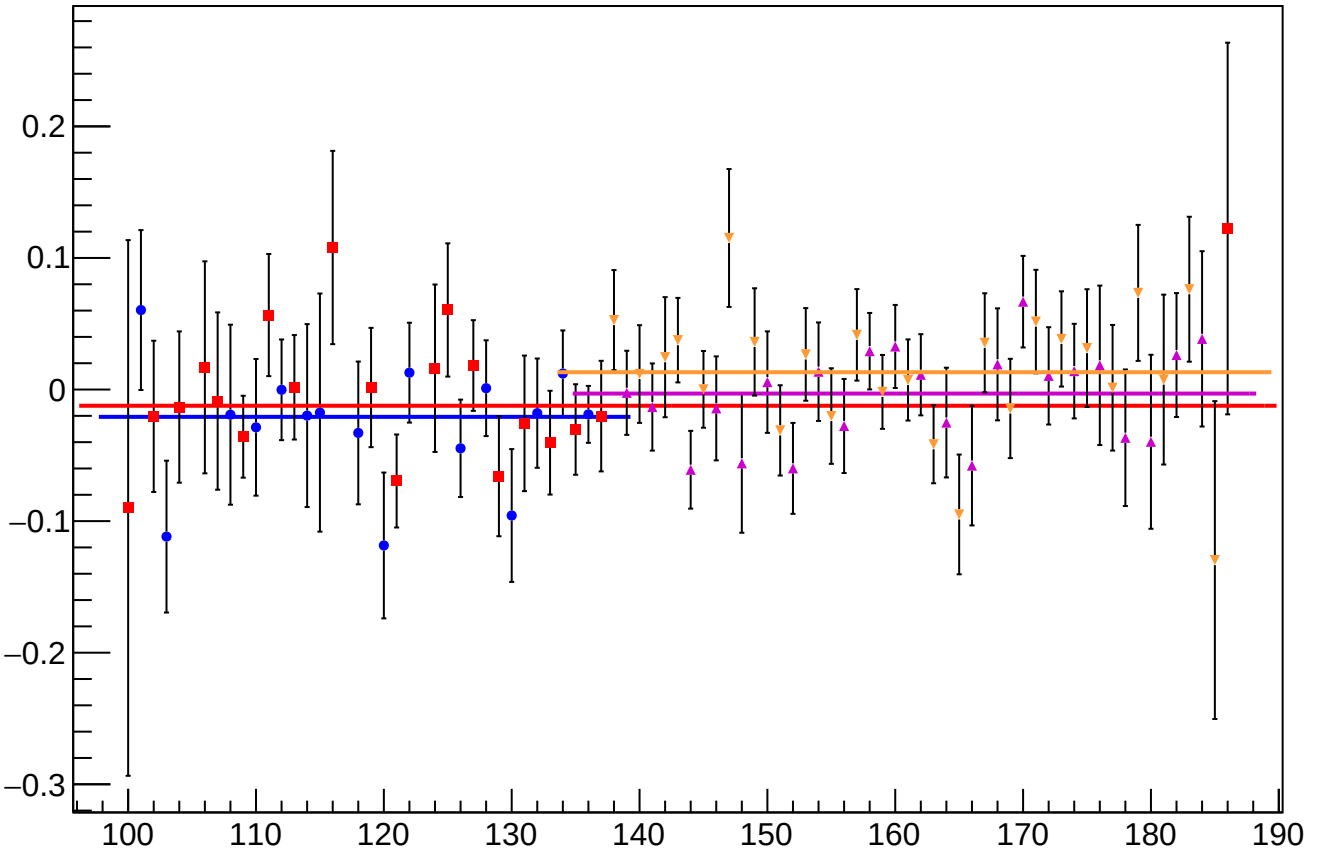
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 3904134.5/35

In: 0.001+/-0.000 χ^2/NDF:11728023.0/38

Out: 0.001+/-0.000 χ^2/NDF:13305816.1/44

All: 0.001+/-0.000 χ^2/NDF: 25034213.4/83



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

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

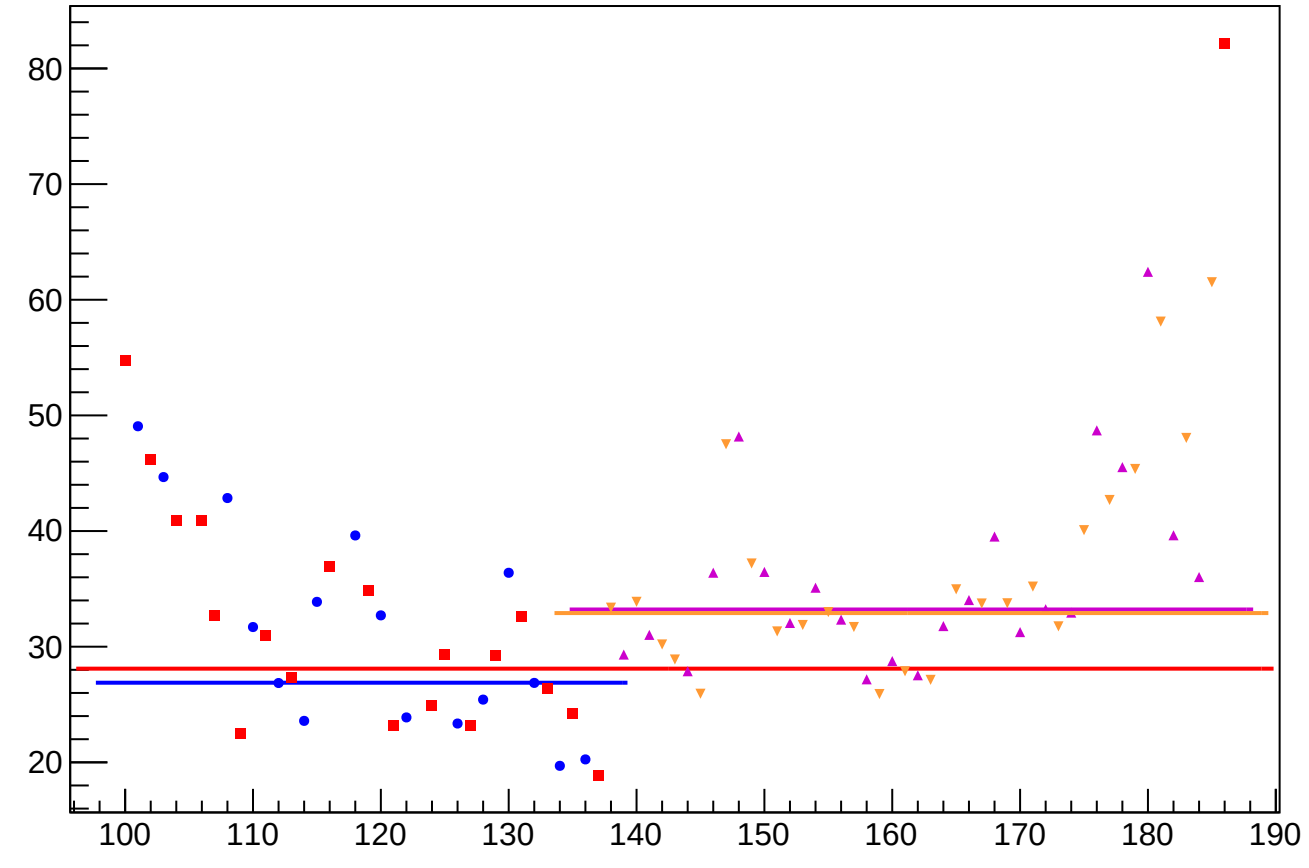
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.017+/-0.007 χ^2/NDF: 27.7/35

In: -0.010+/-0.006 χ^2/NDF:33.5/38

Out: 0.004+/-0.006 χ^2/NDF:44.0/44

All: -0.002+/-0.004 χ^2/NDF: 80.0/83



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

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

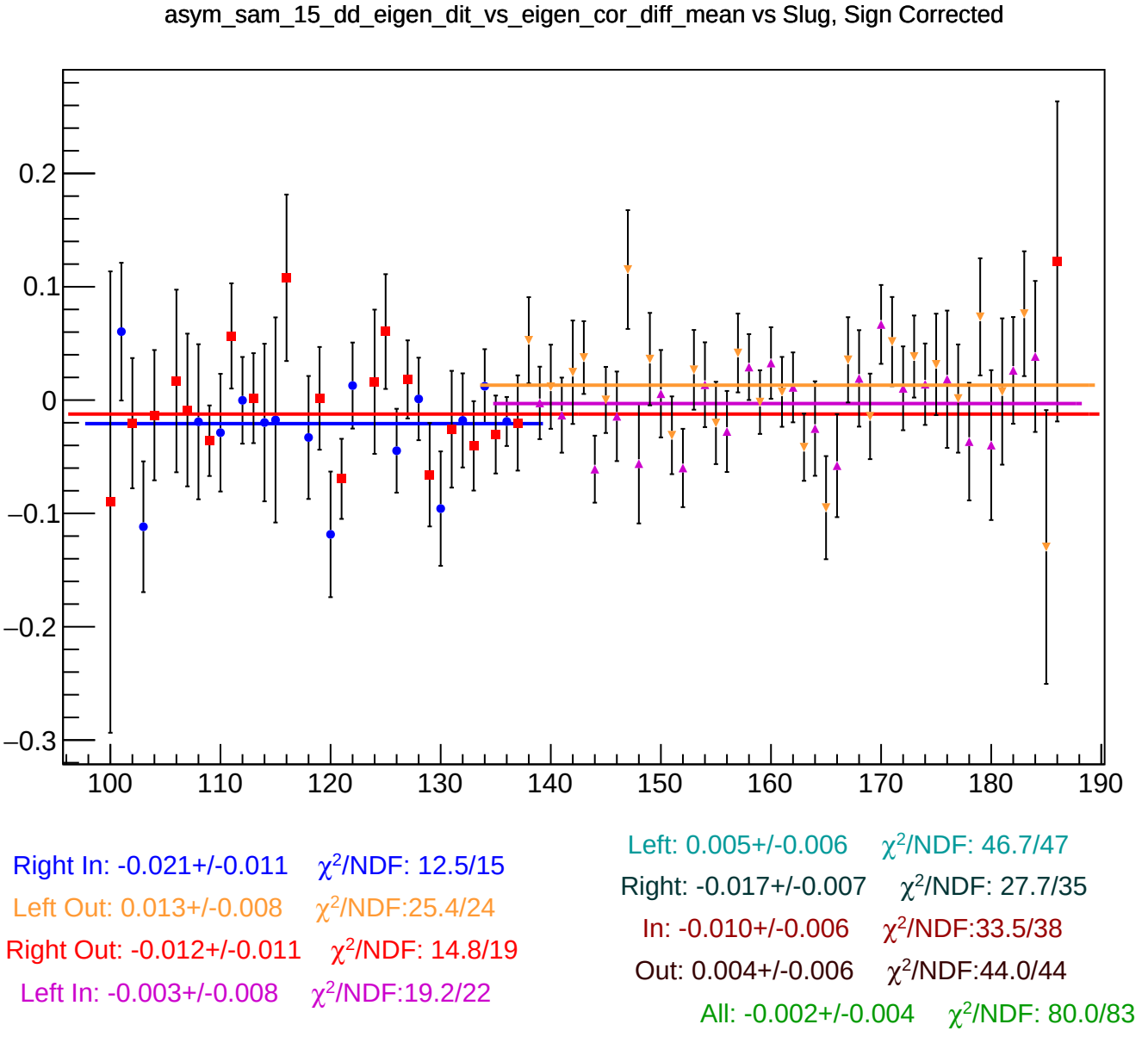
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 27.493+/-0.005 χ^2/NDF: 2191483.8/35

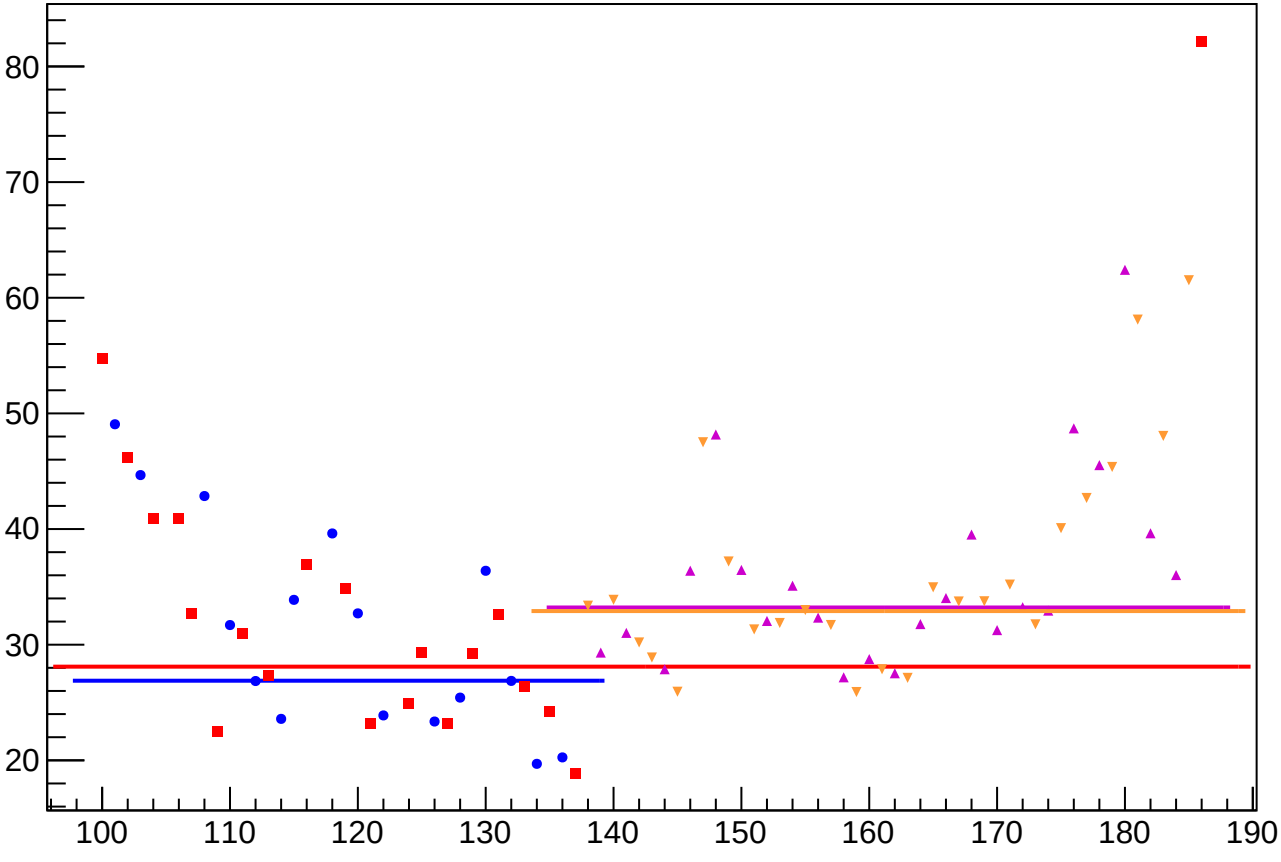
In: 30.907+/-0.004 χ^2/NDF:2803295.4/38

Out: 31.235+/-0.004 χ^2/NDF:2758073.5/44

All: 31.075+/-0.003 χ^2/NDF: 5564104.1/83


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: -0.012+/-0.011 χ²/NDF: 14.8/19
Left In: -0.003+/-0.008 χ²/NDF:19.2/22
Left: 0.005+/-0.006 χ²/NDF: 46.7/47
Right: -0.017+/-0.007 χ²/NDF: 27.7/35
In: -0.010+/-0.006 χ²/NDF:33.5/38
Out: 0.004+/-0.006 χ²/NDF:44.0/44
All: -0.002+/-0.004 χ²/NDF: 80.0/83

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 32.907+/-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

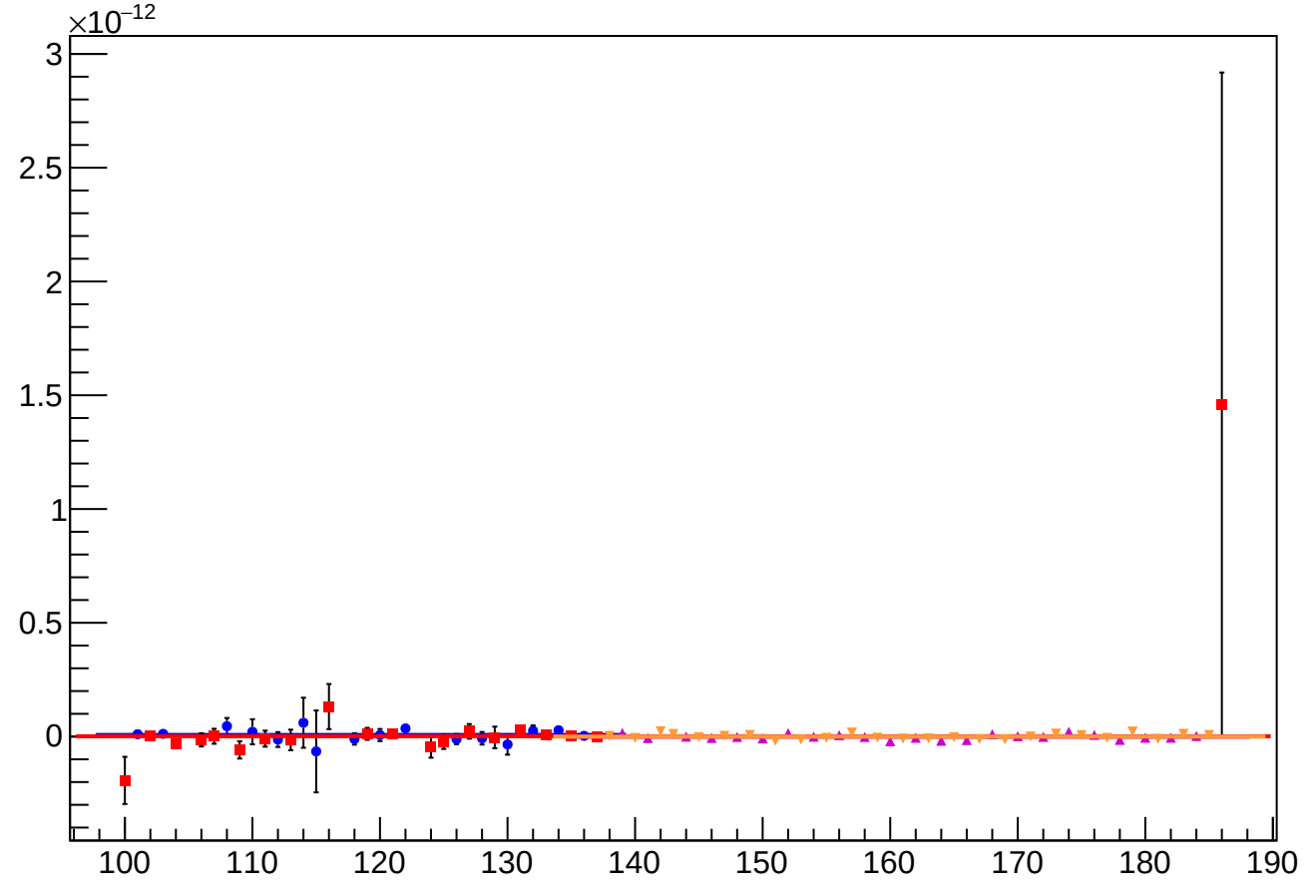
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 27.493+/-0.005 χ^2/NDF: 2191483.8/35

In: 30.907+/-0.004 χ^2/NDF:2803295.4/38

Out: 31.235+/-0.004 χ^2/NDF:2758073.5/44

All: 31.075+/-0.003 χ^2/NDF: 5564104.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

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

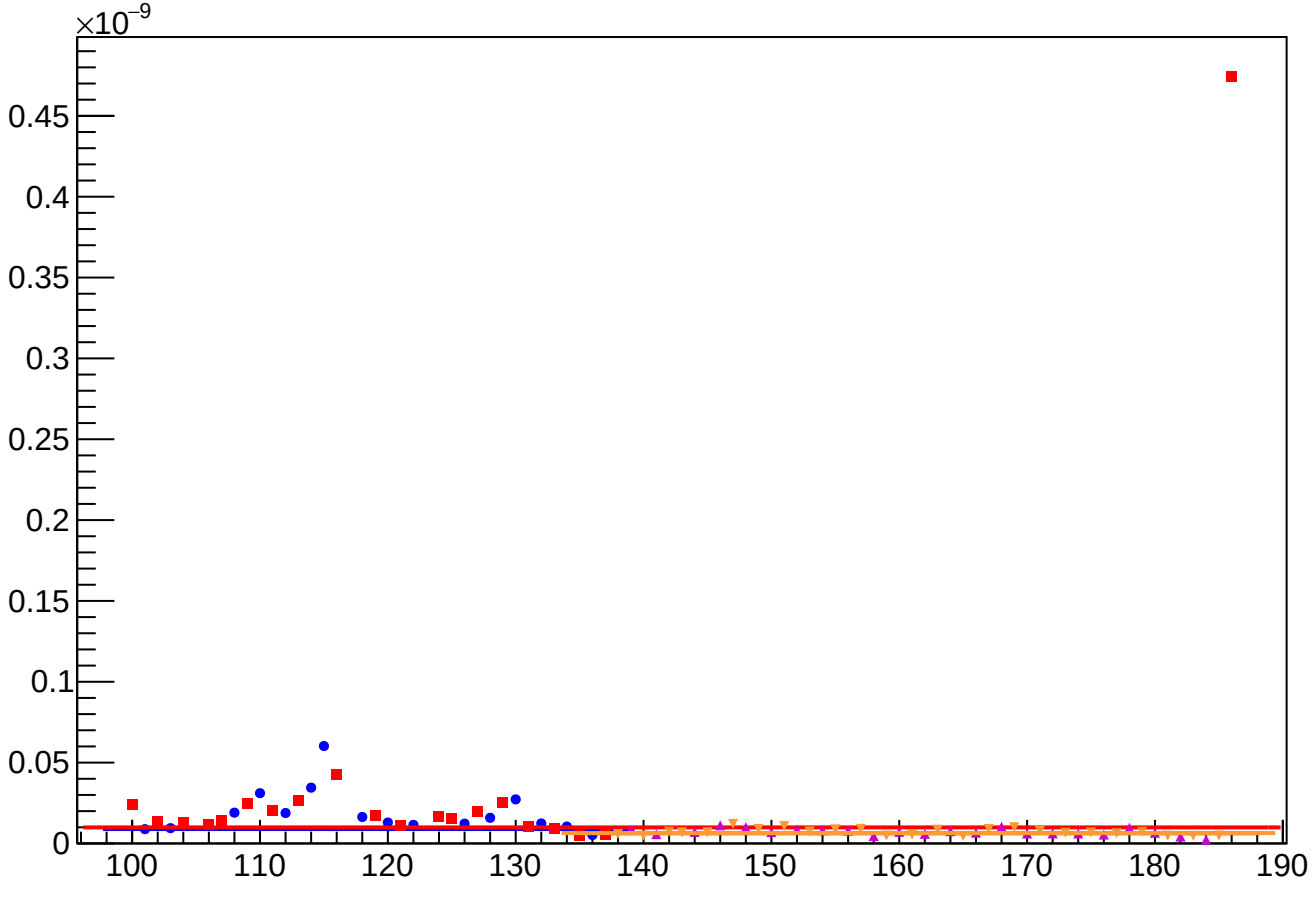
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 25.3/35

In: -0.000+/-0.000 χ^2/NDF:36.5/38

Out: -0.000+/-0.000 χ^2/NDF:47.4/44

All: -0.000+/-0.000 χ^2/NDF: 83.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2872553.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

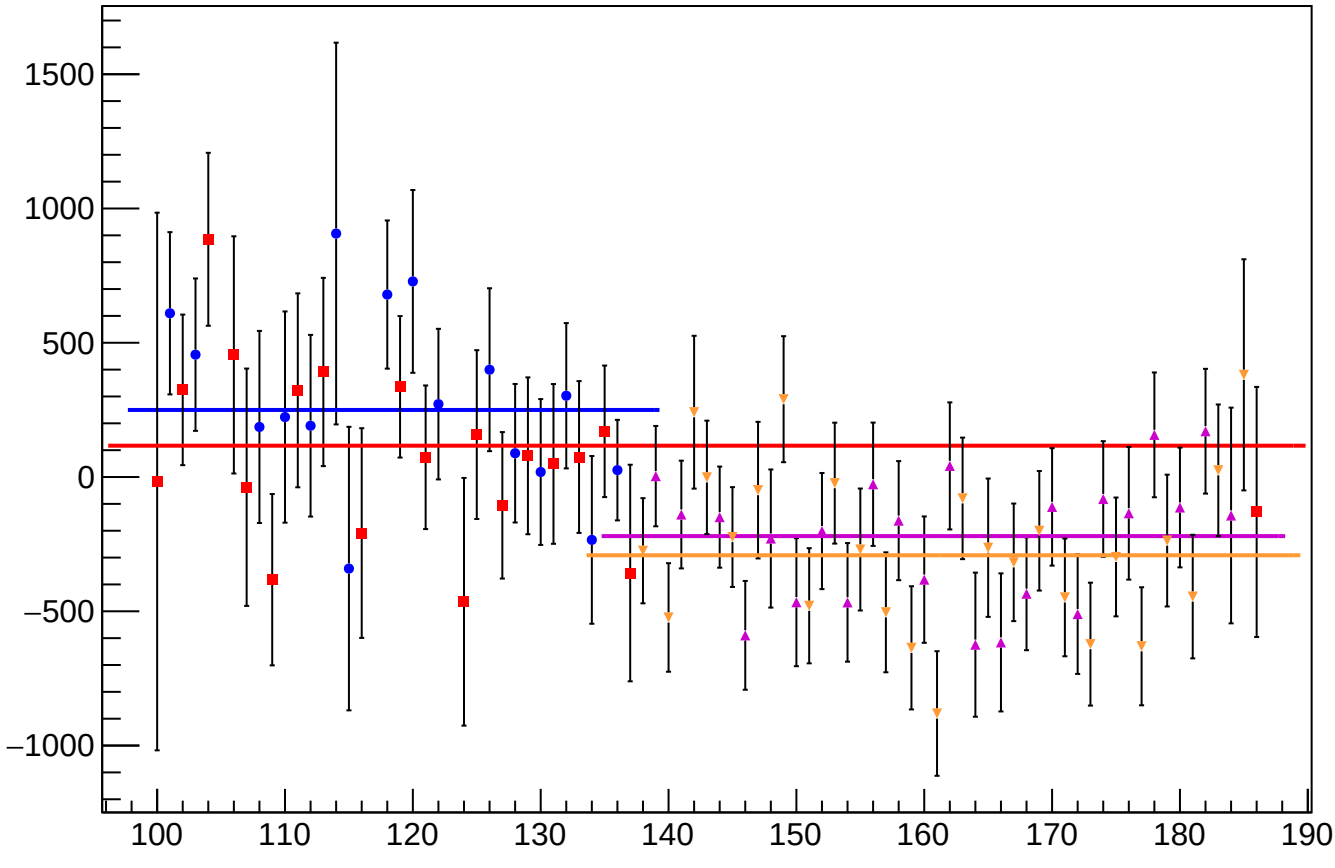
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5319591.3/35

In: 0.000+/-0.000 χ^2/NDF:5089632.4/38

Out: 0.000+/-0.000 χ^2/NDF:5637717.0/44

All: 0.000+/-0.000 χ^2/NDF: 10734865.9/83



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

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

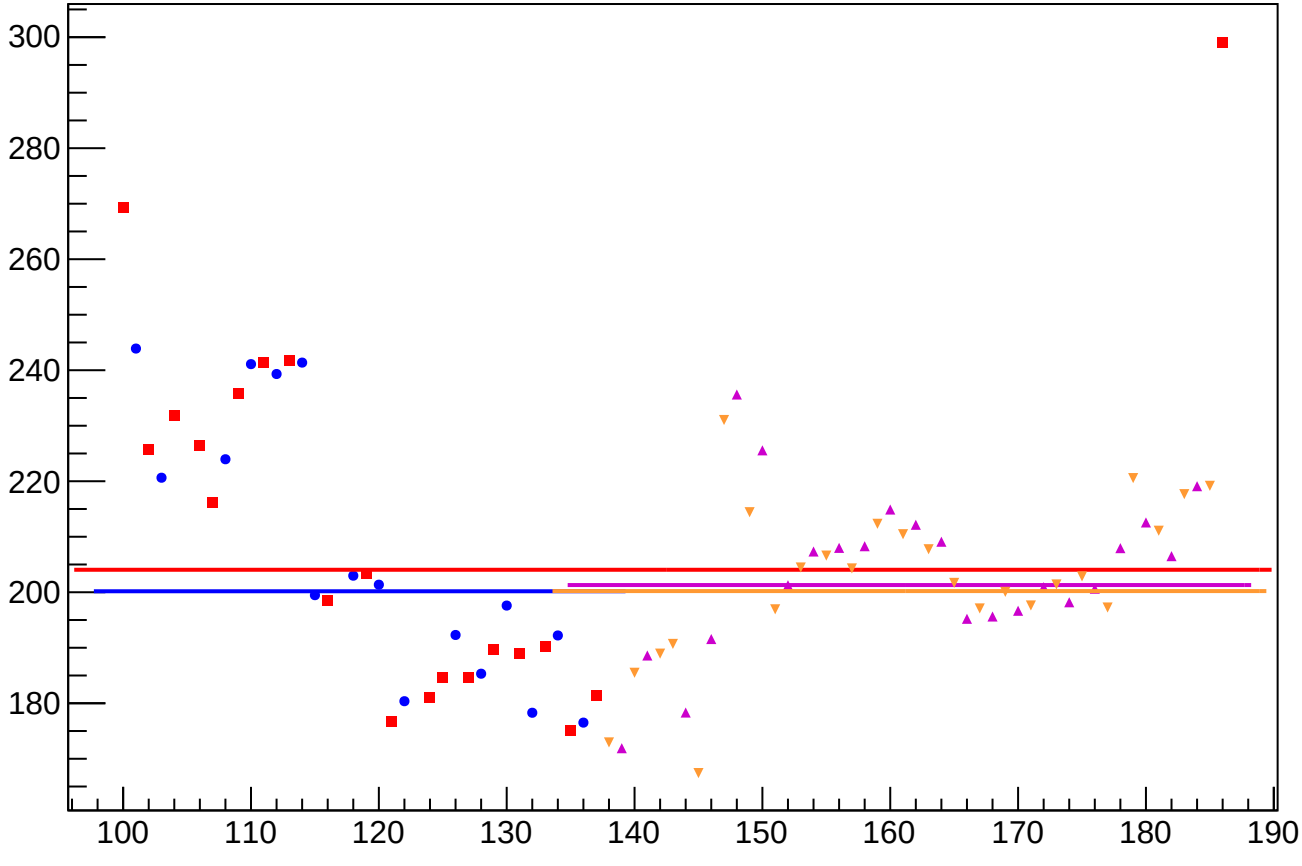
Right: 181.940+/-52.430 χ^2/NDF: 31.2/35

In: -86.618+/-39.896 χ^2/NDF:65.7/38

Out: -177.729+/-38.748 χ^2/NDF:74.5/44

All: -133.503+/-27.796 χ^2/NDF: 142.8/83

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

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

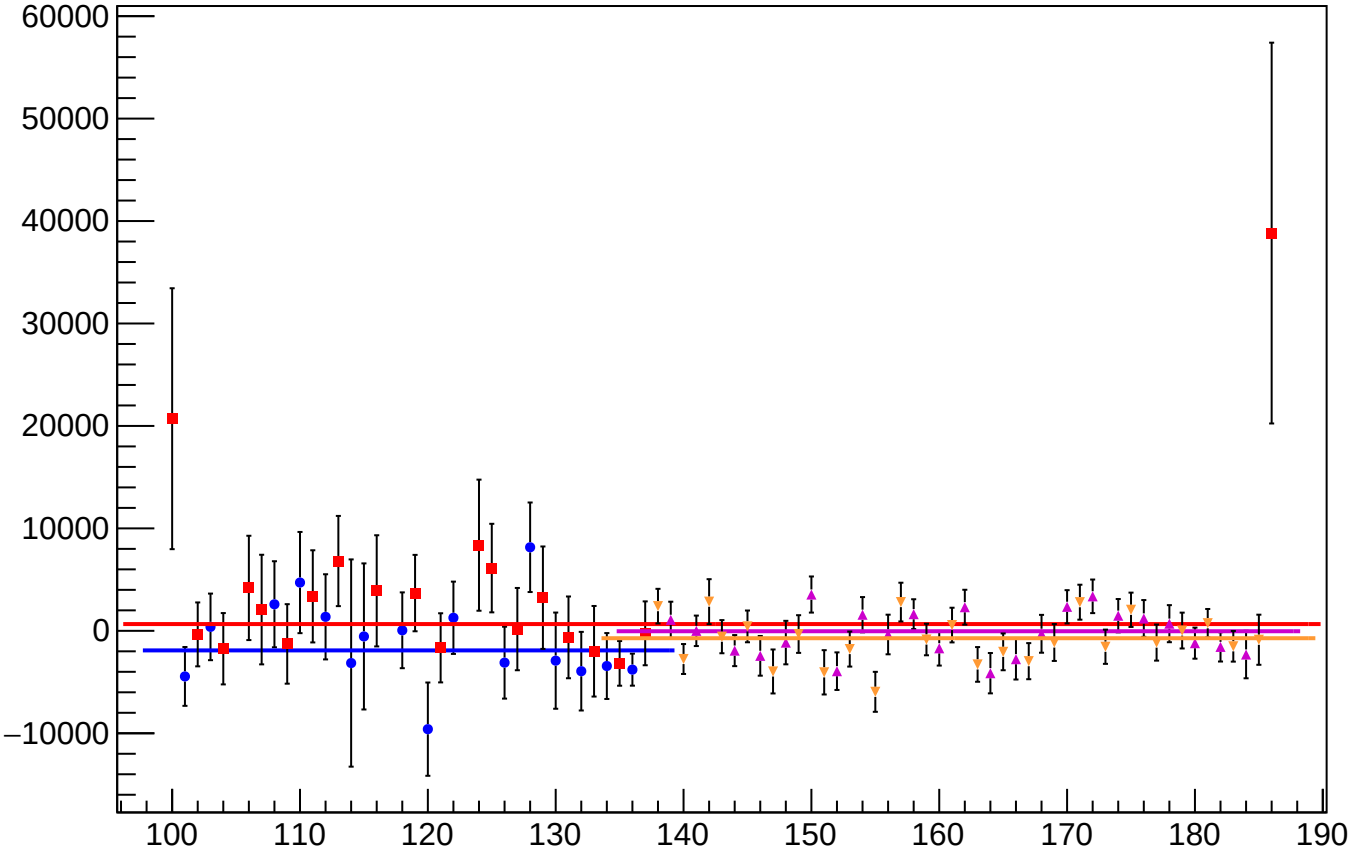
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 202.151+/-0.037 χ^2/NDF: 466326.3/35

In: 200.979+/-0.028 χ^2/NDF:362968.9/38

Out: 201.279+/-0.027 χ^2/NDF:490937.4/44

All: 201.133+/-0.020 χ^2/NDF: 853964.4/83



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

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

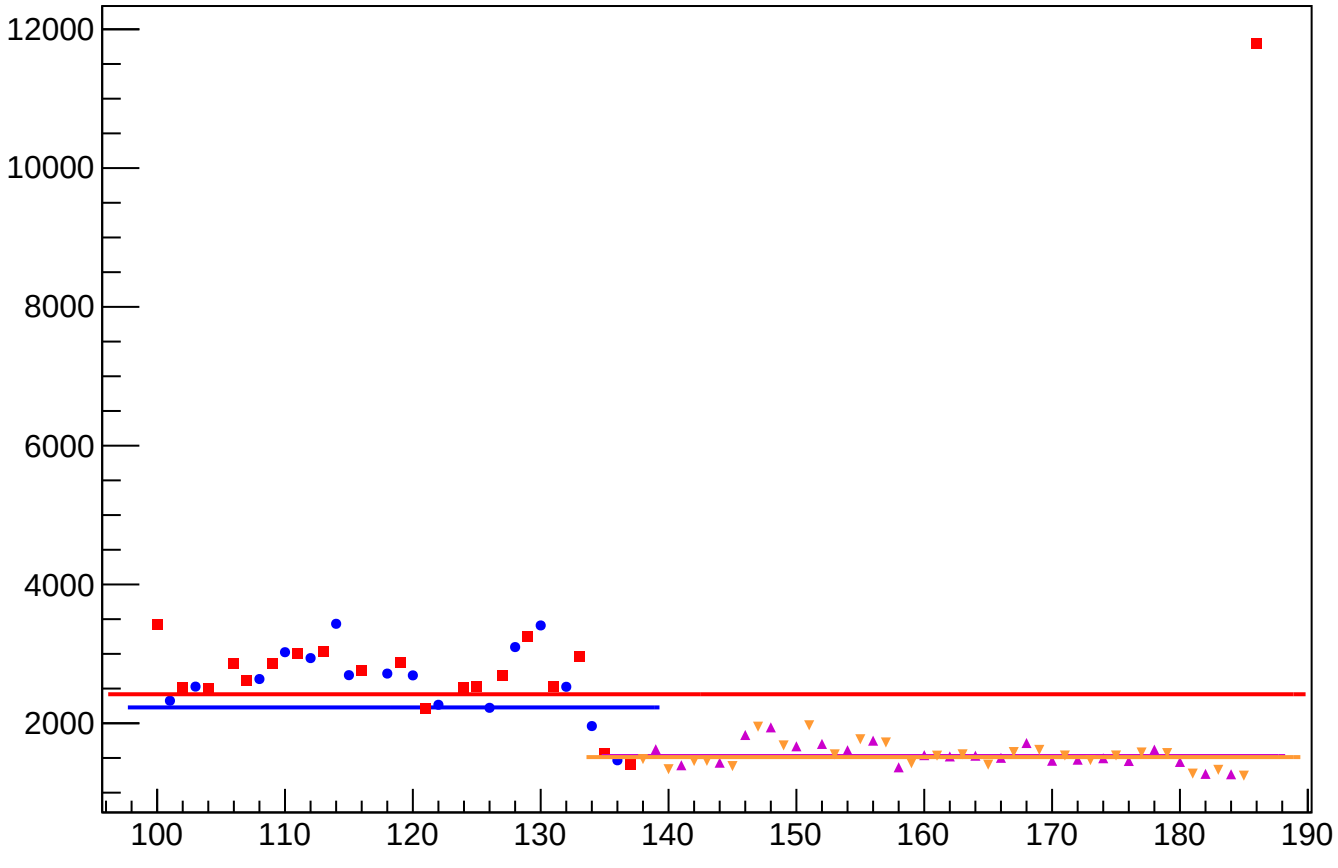
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -683.807+/-621.228 χ^2/NDF: 39.4/35

In: -317.793+/-331.449 χ^2/NDF:54.7/38

Out: -542.299+/-323.234 χ^2/NDF:59.2/44

All: -432.863+/-231.411 χ^2/NDF: 114.1/83



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

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

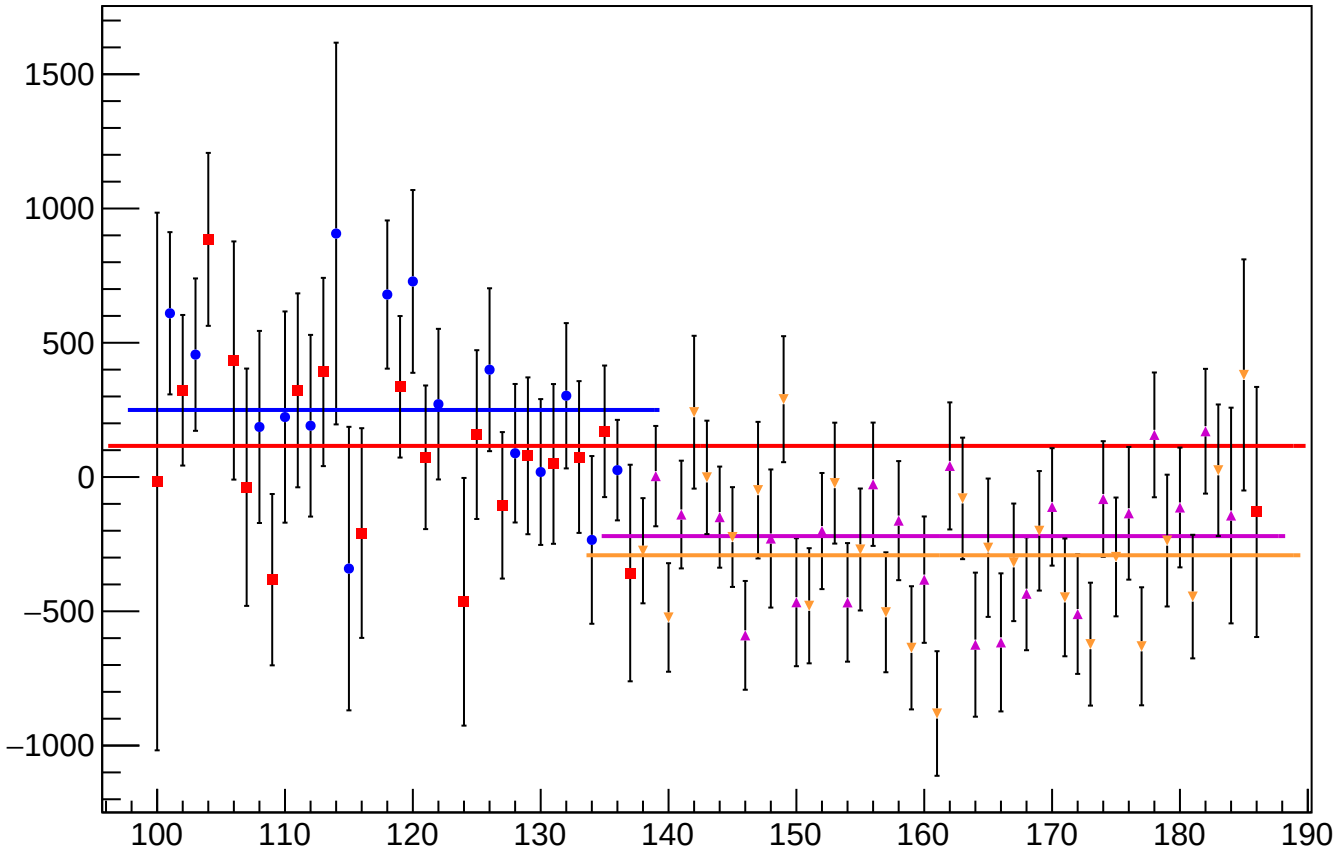
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2318.915+/-0.439 χ^2/NDF: 2303791.2/35

In: 1632.231+/-0.234 χ^2/NDF:2453208.7/38

Out: 1629.349+/-0.229 χ^2/NDF:3518460.8/44

All: 1630.754+/-0.164 χ^2/NDF: 5971747.0/83



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

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

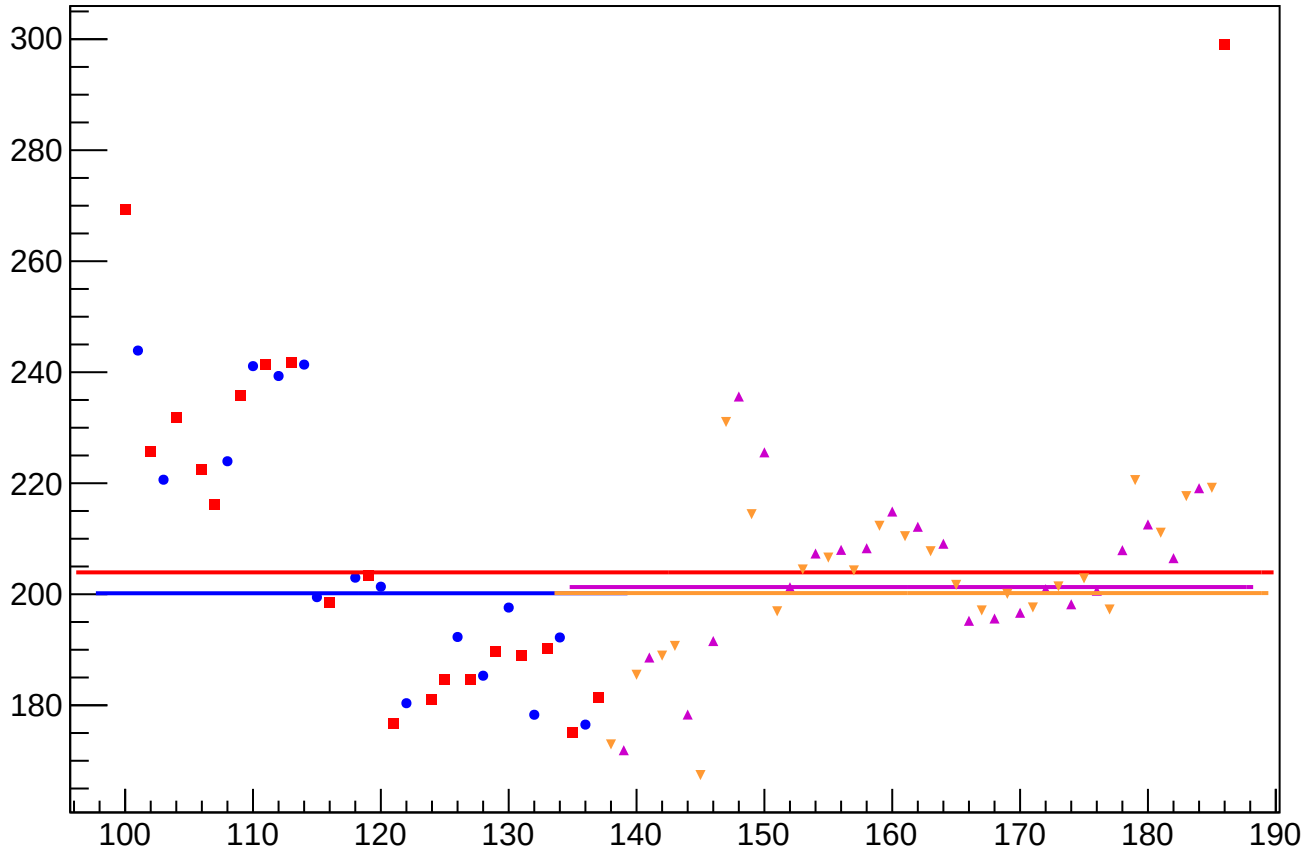
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 181.559+/-52.434 χ^2/NDF: 31.1/35

In: -86.623+/-39.896 χ^2/NDF:65.7/38

Out: -177.966+/-38.749 χ^2/NDF:74.3/44

All: -133.626+/-27.797 χ^2/NDF: 142.7/83



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

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

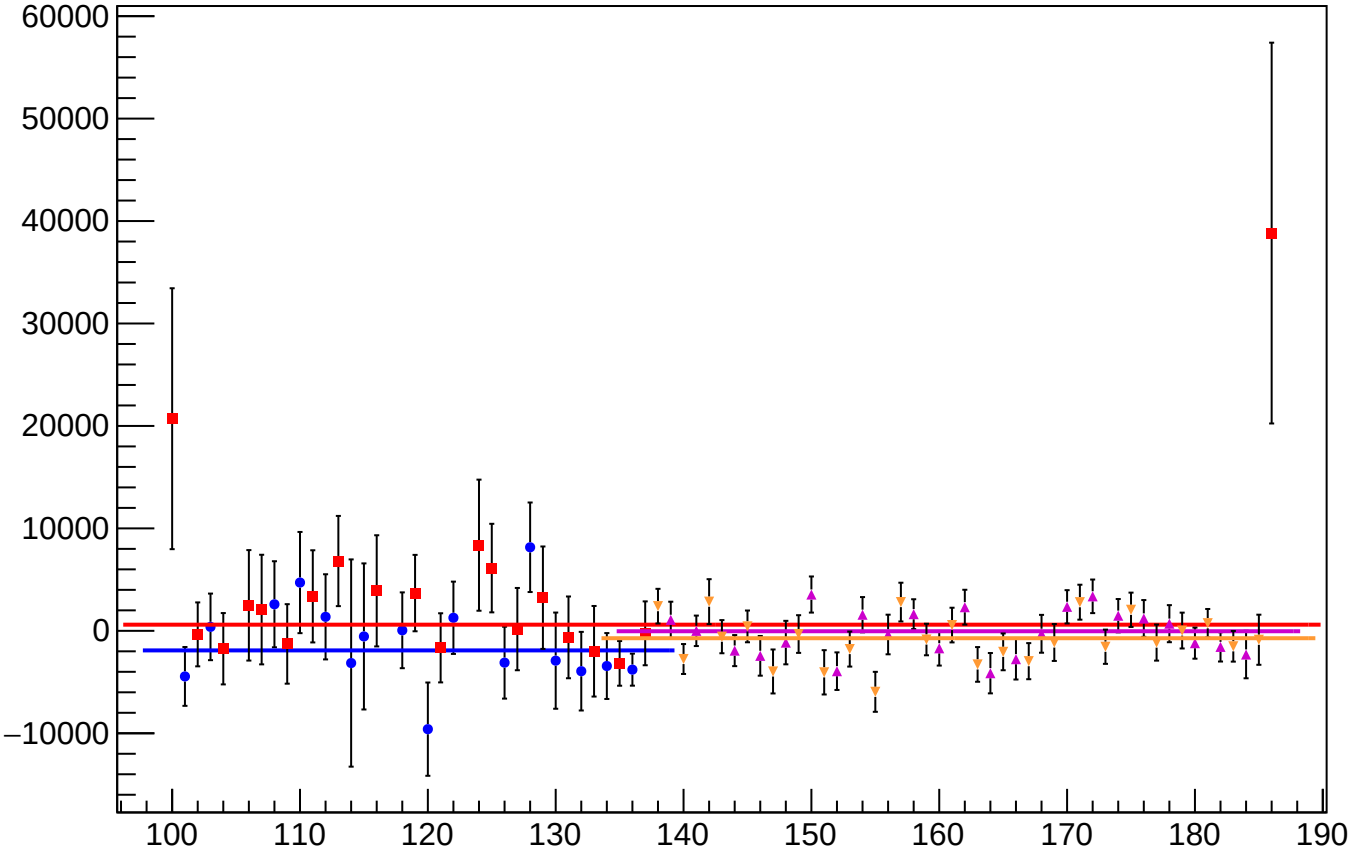
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 202.095+/-0.037 χ^2/NDF: 464557.1/35

In: 200.979+/-0.028 χ^2/NDF:362969.2/38

Out: 201.248+/-0.027 χ^2/NDF:489097.9/44

All: 201.118+/-0.020 χ^2/NDF: 852113.9/83



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

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

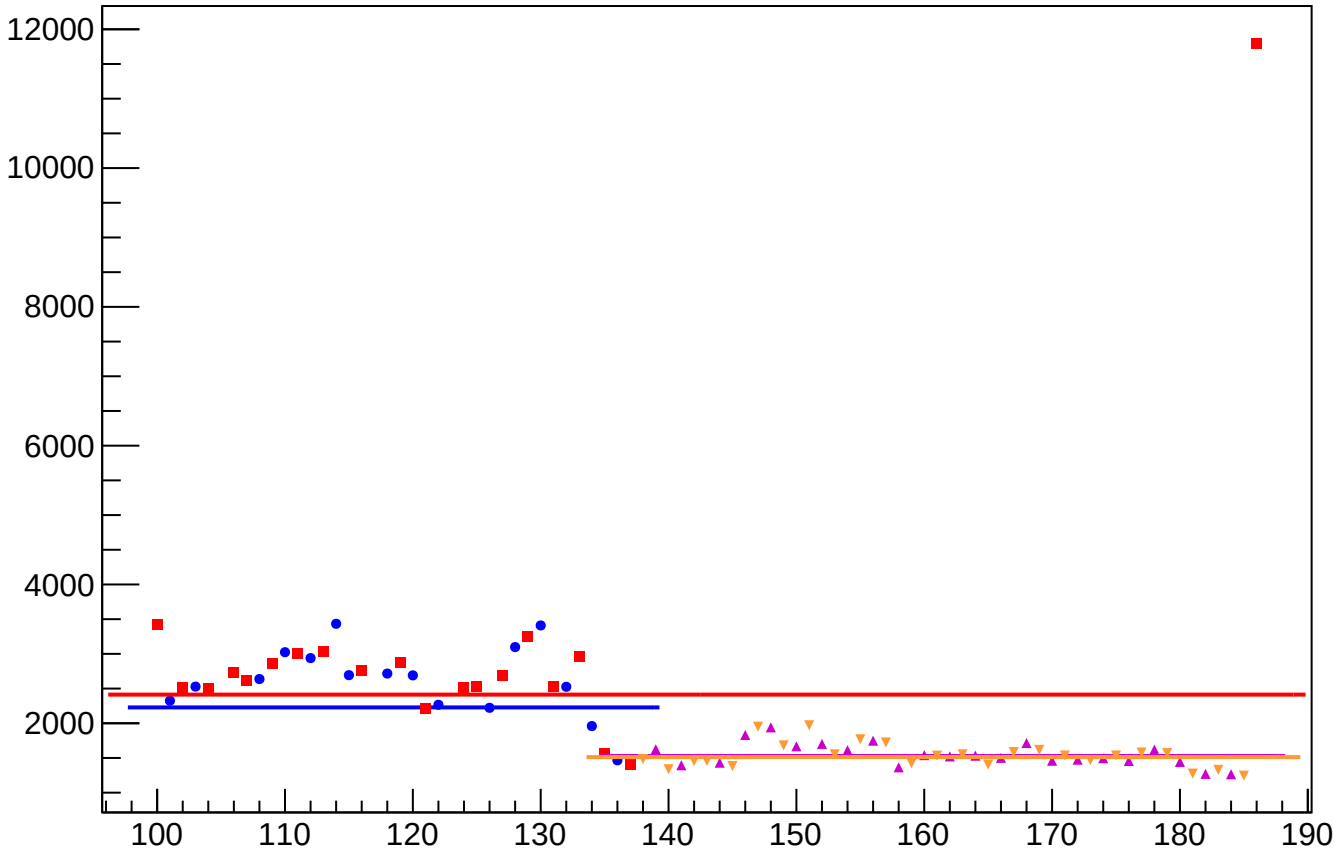
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -714.205+/-621.741 χ^2/NDF: 38.8/35

In: -317.784+/-331.449 χ^2/NDF:54.7/38

Out: -550.466+/-323.306 χ^2/NDF:58.6/44

All: -437.018+/-231.437 χ^2/NDF: 113.6/83



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

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

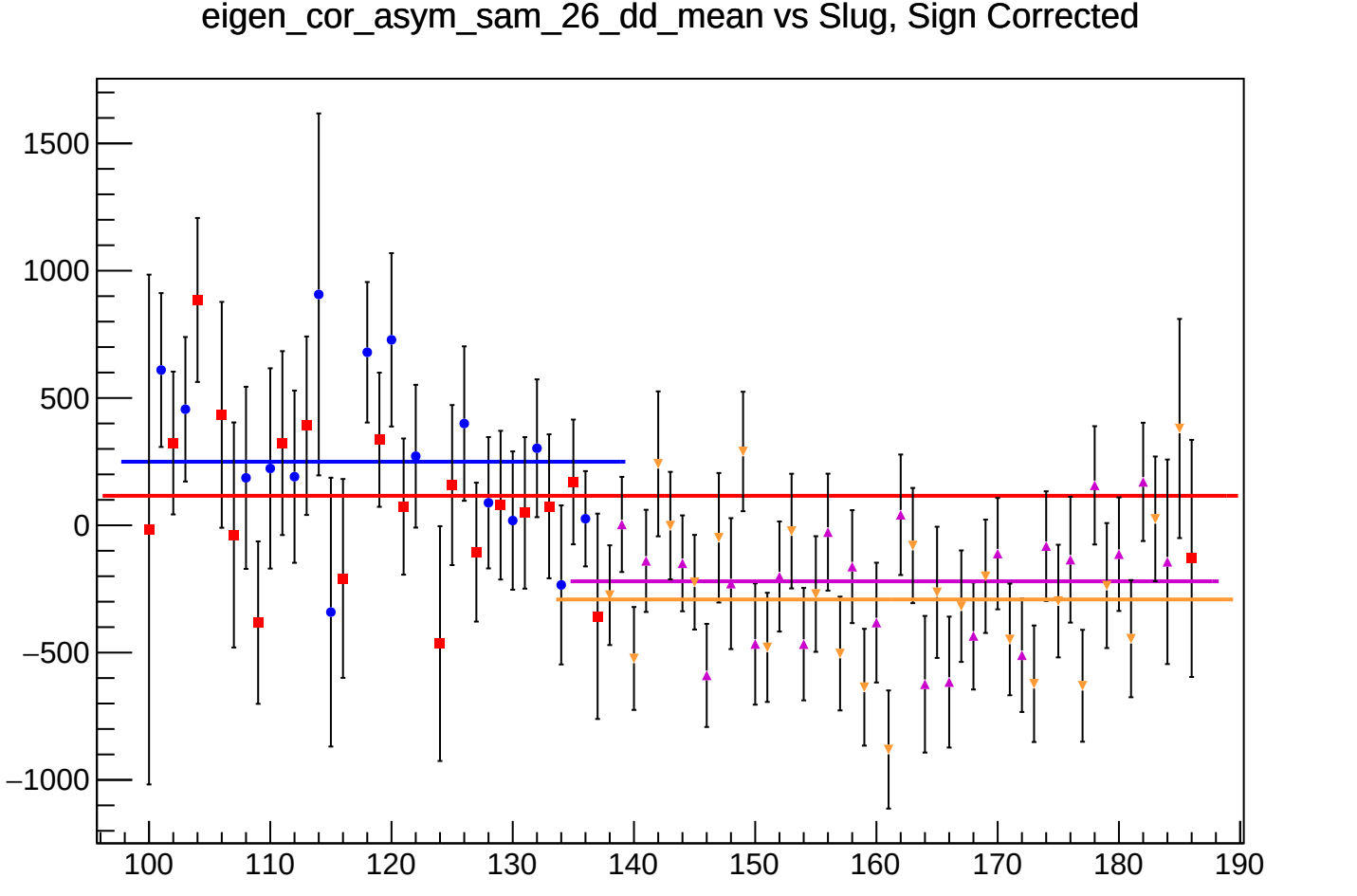
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2316.248+/-0.440 χ^2/NDF: 2292309.2/35

In: 1632.232+/-0.234 χ^2/NDF:2453221.6/38

Out: 1628.319+/-0.229 χ^2/NDF:3483890.8/44

All: 1630.227+/-0.164 χ^2/NDF: 5937255.2/83


eigen_cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
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−500
−1000
100
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120
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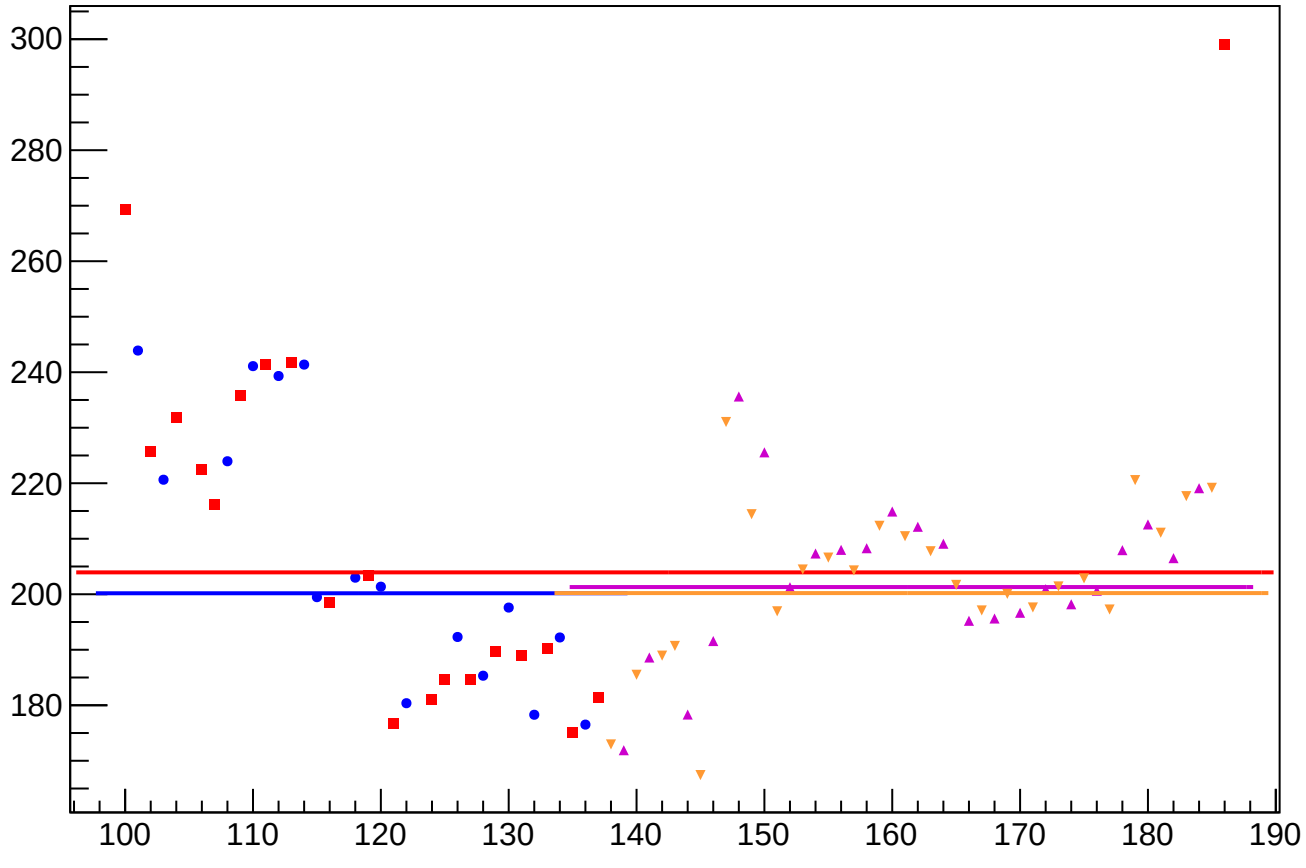
140
150
160
170
180
190
Right In: 249.764+/-74.877 χ²/NDF: 13.8/15
Left Out: -291.316+/-45.614 χ²/NDF:36.4/24
Right Out: 115.932+/-73.449 χ²/NDF: 15.8/19
Left In: -219.983+/-47.146 χ²/NDF:23.7/22
Left: -256.827+/-32.782 χ²/NDF: 61.3/47
Right: 181.559+/-52.434 χ²/NDF: 31.1/35
In: -86.623+/-39.896 χ²/NDF:65.7/38
Out: -177.966+/-38.749 χ²/NDF:74.3/44
All: -133.626+/-27.797 χ²/NDF: 142.7/83



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

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

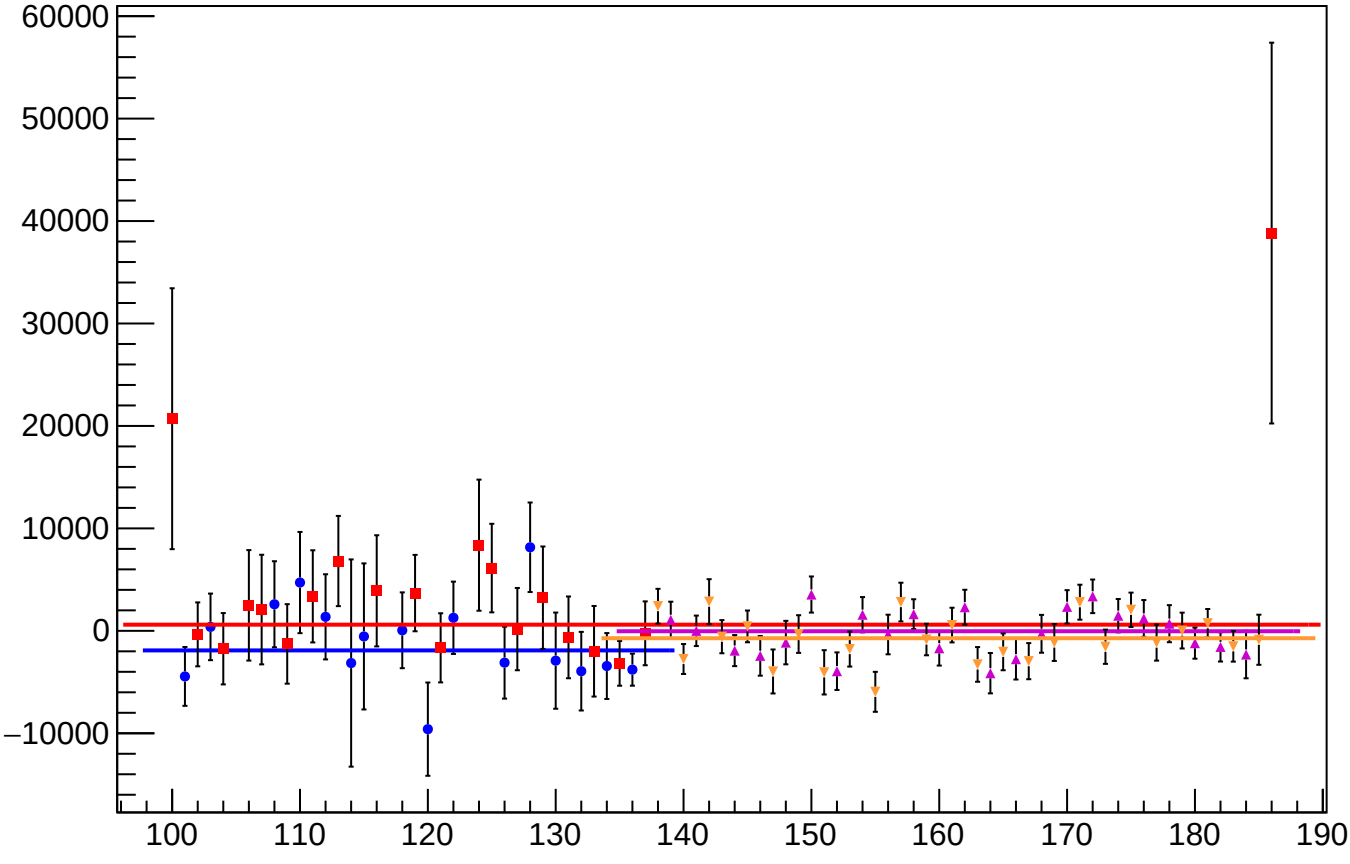
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 202.095+/-0.037 χ^2/NDF: 464557.1/35

In: 200.979+/-0.028 χ^2/NDF:362969.2/38

Out: 201.248+/-0.027 χ^2/NDF:489097.9/44

All: 201.118+/-0.020 χ^2/NDF: 852113.9/83



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

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

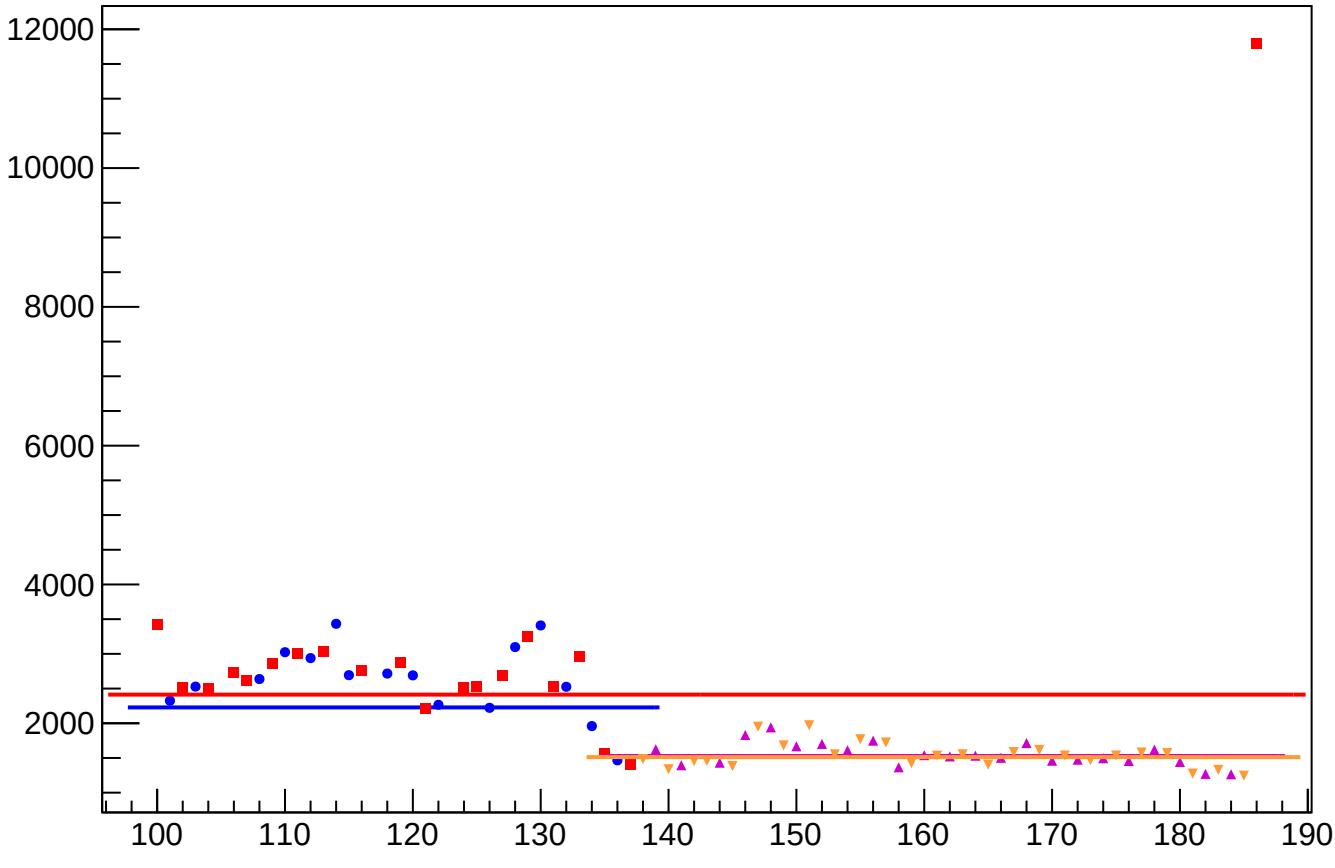
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

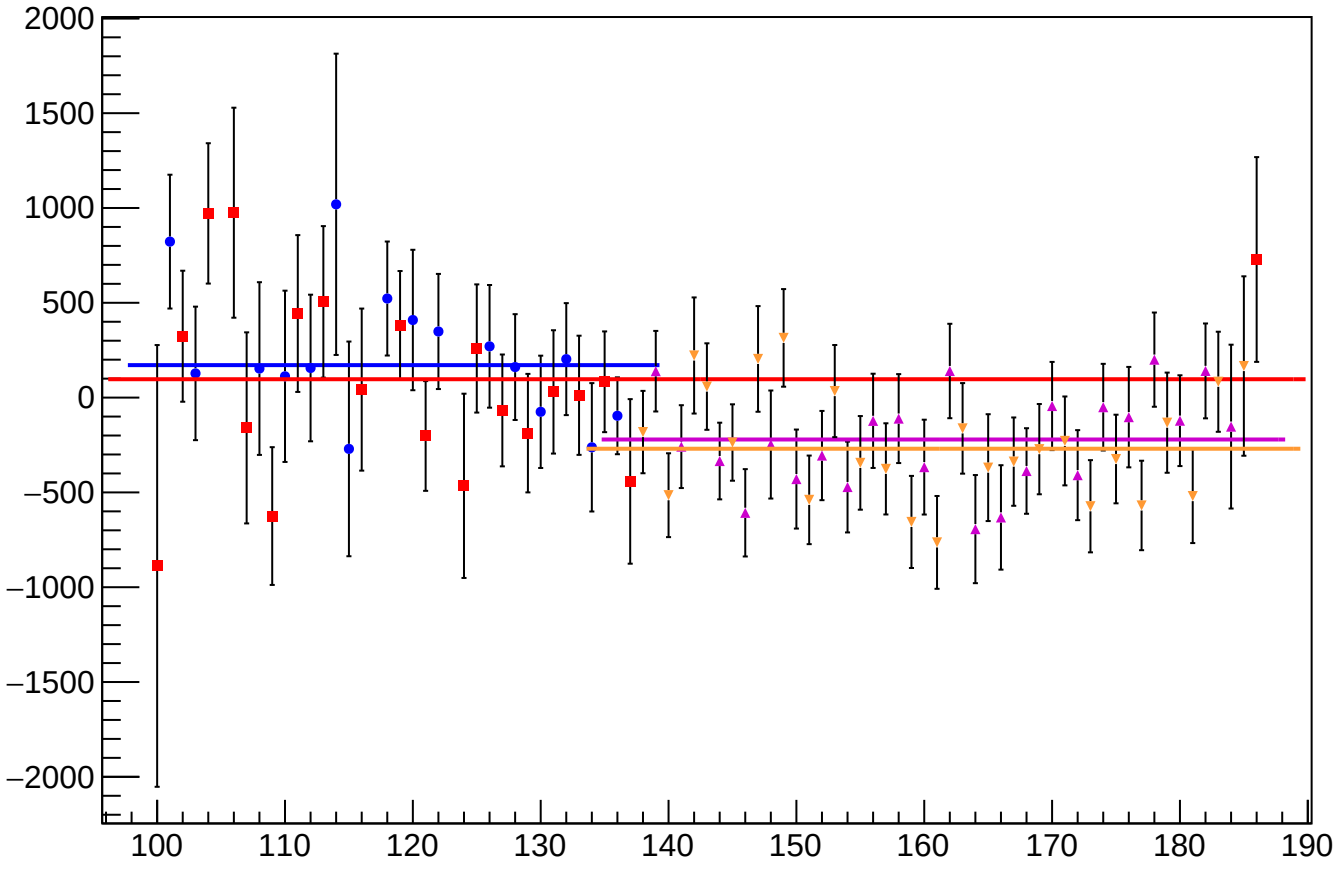
Right: -714.205+/-621.741 χ^2/NDF: 38.8/35

In: -317.784+/-331.449 χ^2/NDF:54.7/38

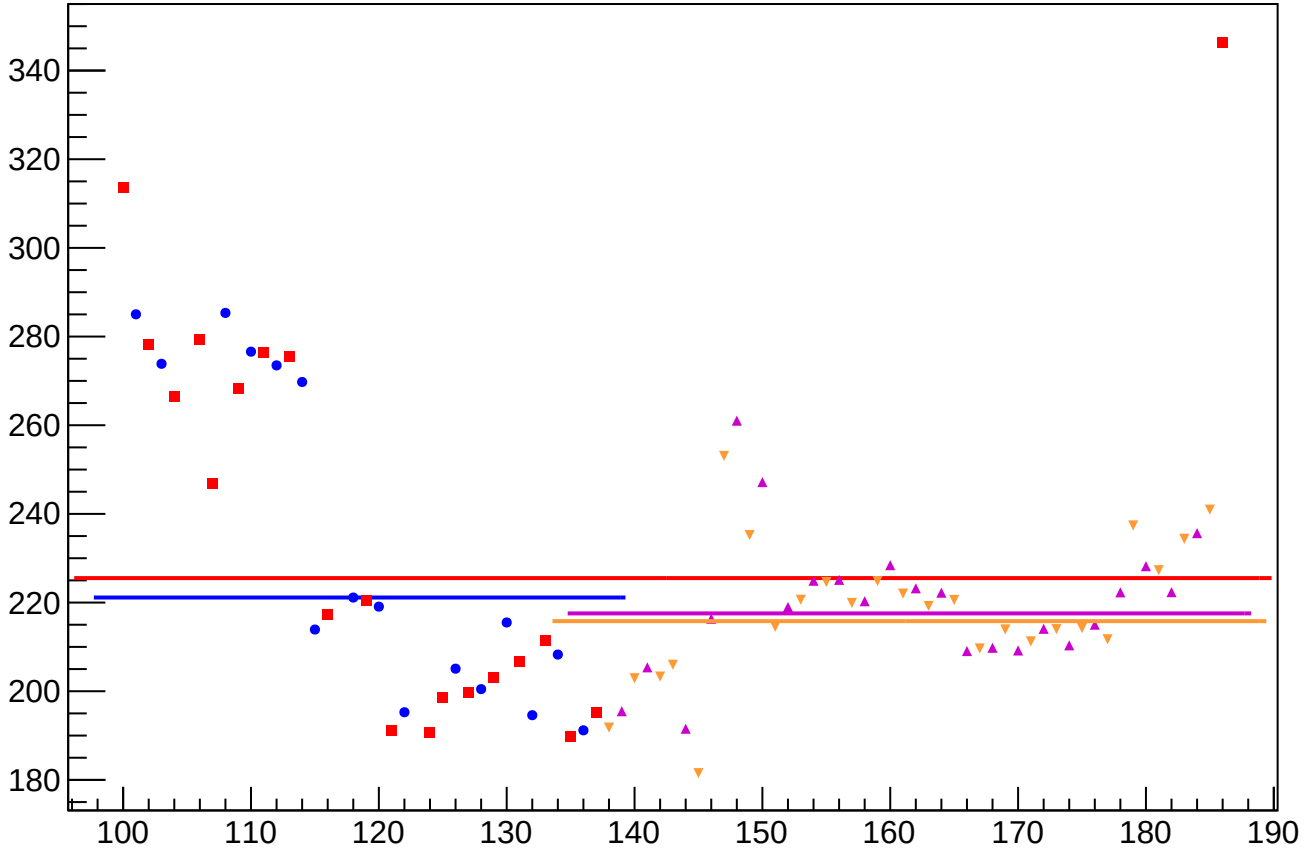
Out: -550.466+/-323.306 χ^2/NDF:58.6/44

All: -437.018+/-231.437 χ^2/NDF: 113.6/83


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: 2228.435+/-0.607 χ²/NDF: 947659.2/15
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: 2316.248+/-0.440 χ²/NDF: 2292309.2/35
In: 1632.232+/-0.234 χ²/NDF:2453221.6/38
Out: 1628.319+/-0.229 χ²/NDF:3483890.8/44
All: 1630.227+/-0.164 χ²/NDF: 5937255.2/83


dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 171.258+/-83.116 χ²/NDF: 11.5/15
Left Out: -269.678+/-49.158 χ²/NDF:31.5/24
Right Out: 96.909+/-81.597 χ²/NDF: 23.0/19
Left In: -220.926+/-50.956 χ²/NDF:23.4/22
Left: -246.177+/-35.378 χ²/NDF: 55.3/47
Right: 133.398+/-58.227 χ²/NDF: 34.9/35
In: -113.790+/-43.442 χ²/NDF:51.0/38
Out: -172.060+/-42.107 χ²/NDF:69.3/44
All: -143.834+/-30.235 χ²/NDF: 121.3/83

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

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

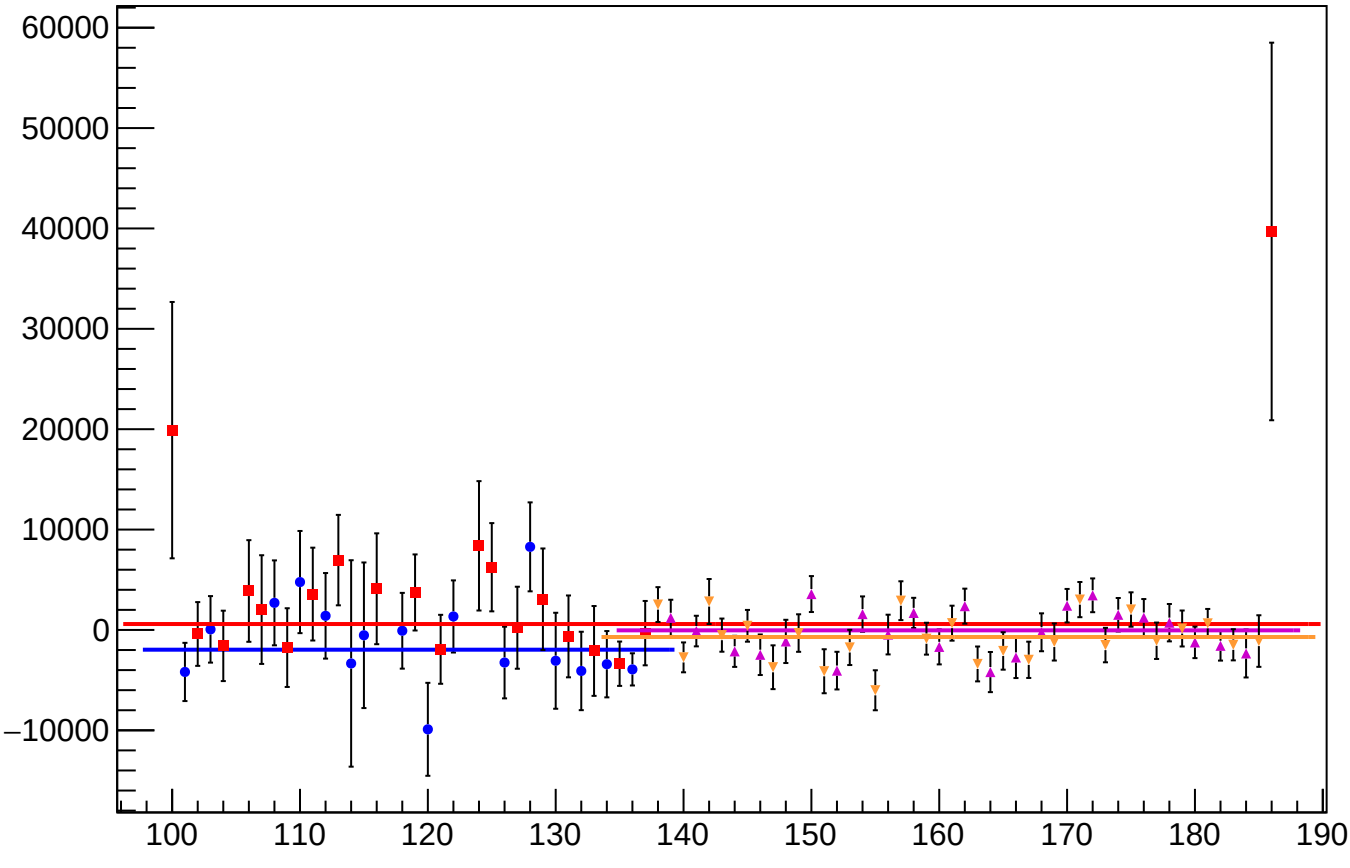
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 223.371+/-0.041 χ^2/NDF: 751065.3/35

In: 218.534+/-0.031 χ^2/NDF:482471.8/38

Out: 218.394+/-0.030 χ^2/NDF:639031.1/44

All: 218.462+/-0.021 χ^2/NDF: 1121513.7/83



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

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

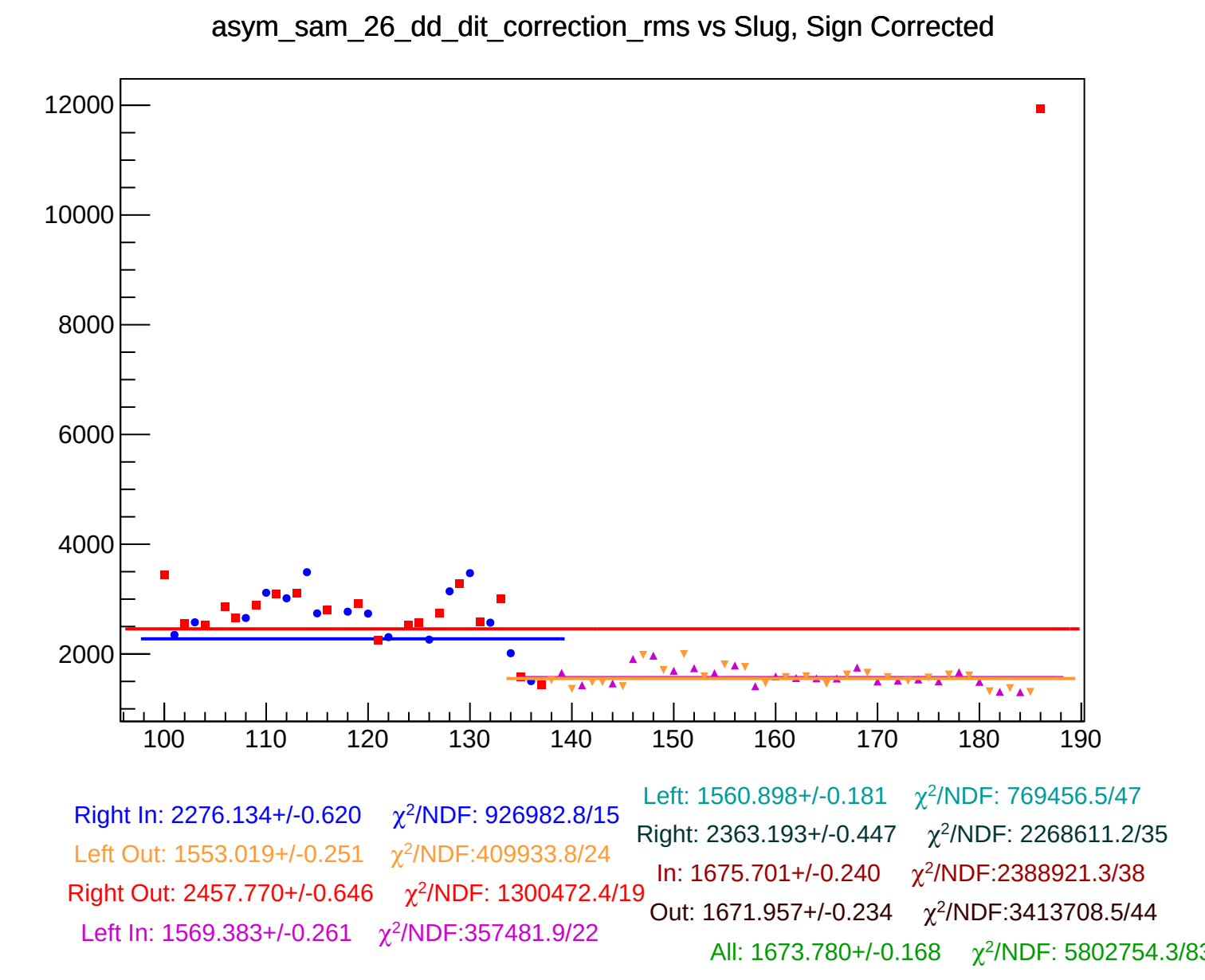
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

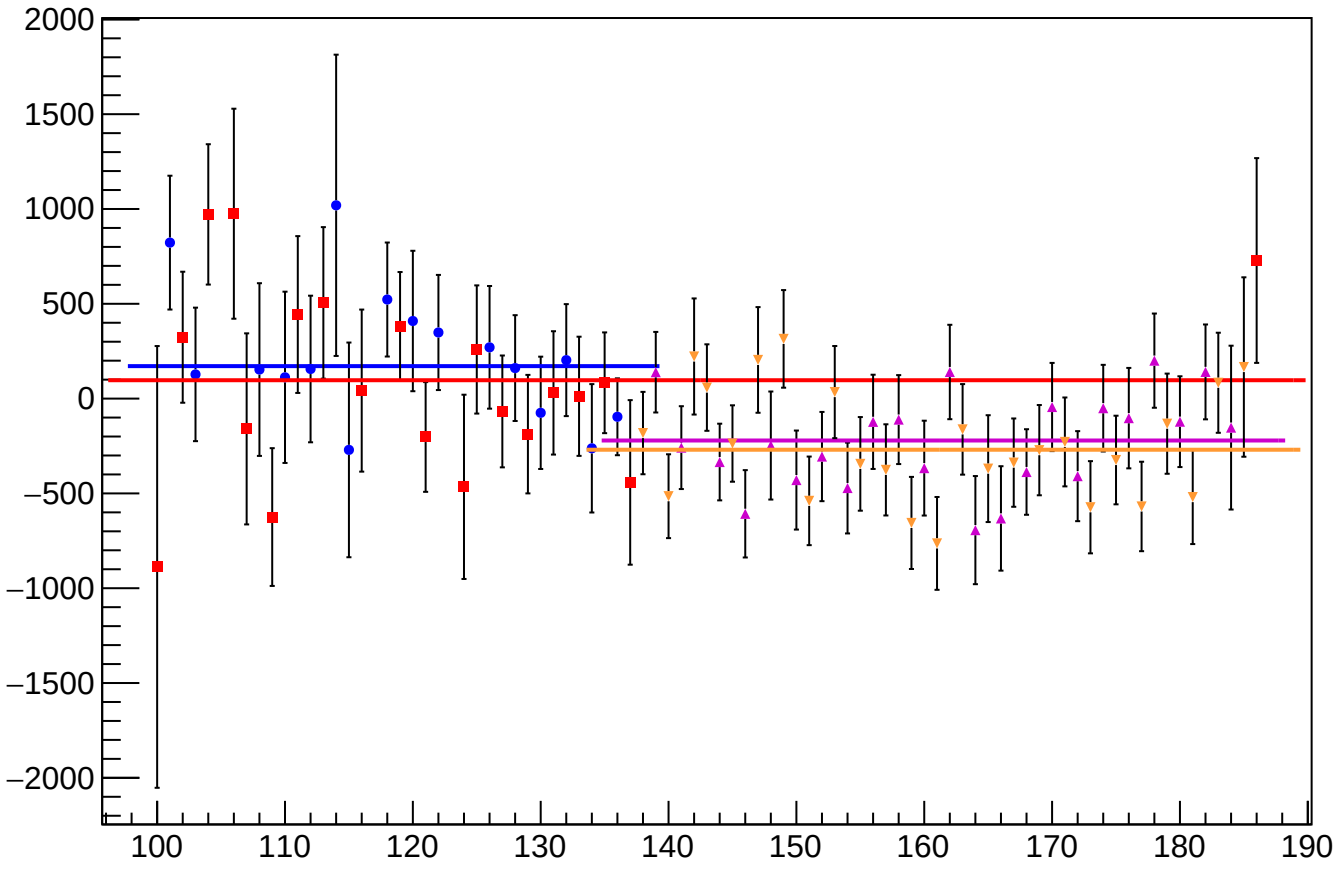
Right: -741.739+/-632.556 χ^2/NDF: 39.3/35

In: -329.654+/-339.998 χ^2/NDF:54.6/38

Out: -533.931+/-331.275 χ^2/NDF:58.5/44

All: -434.447+/-237.271 χ^2/NDF: 113.2/83


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2276.134+/-0.620 χ²/NDF: 926982.8/15
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: 2363.193+/-0.447 χ²/NDF: 2268611.2/35
In: 1675.701+/-0.240 χ²/NDF:2388921.3/38
Out: 1671.957+/-0.234 χ²/NDF:3413708.5/44
All: 1673.780+/-0.168 χ²/NDF: 5802754.3/83



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

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

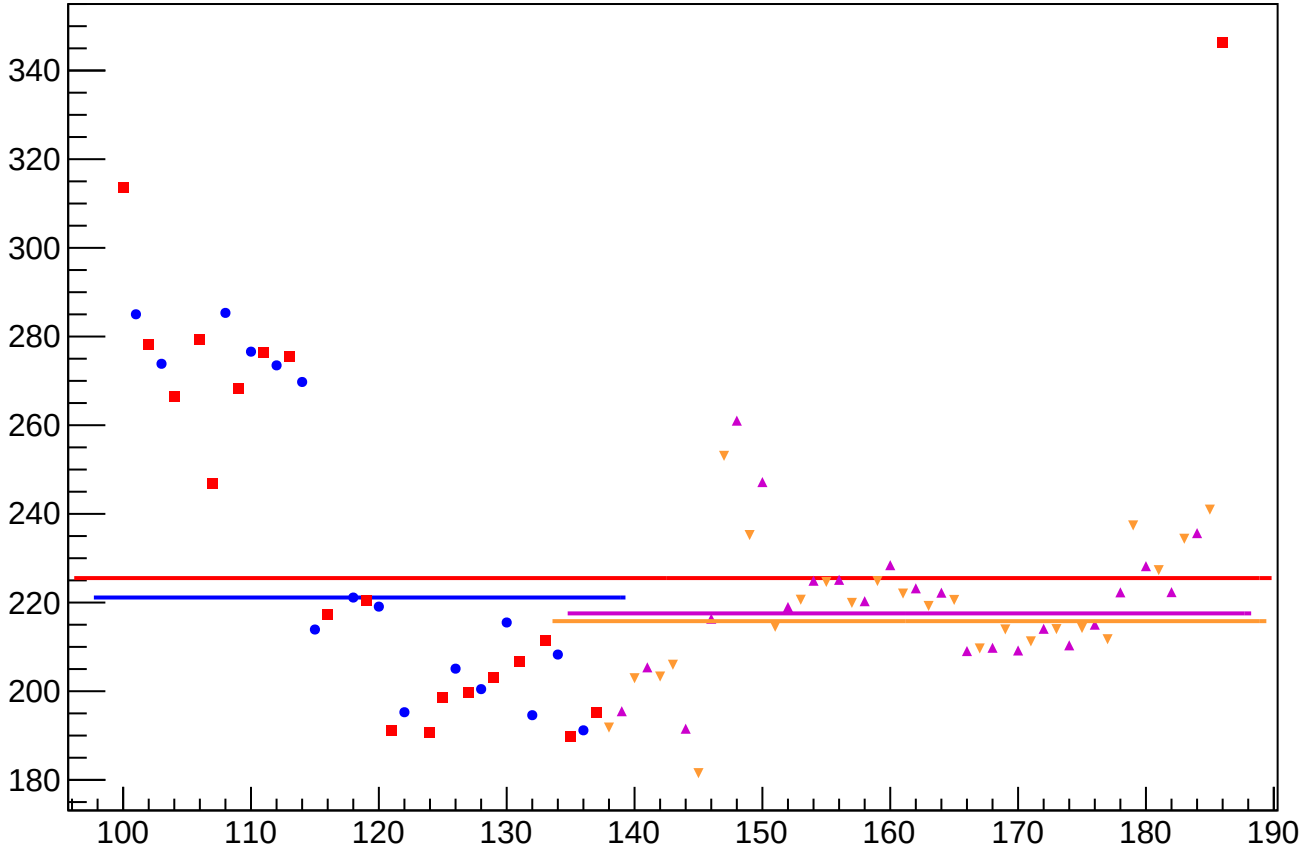
Right: 133.397+/-58.227 χ^2/NDF: 34.9/35

In: -113.790+/-43.442 χ^2/NDF:51.0/38

Out: -172.061+/-42.107 χ^2/NDF:69.3/44

All: -143.834+/-30.235 χ^2/NDF: 121.3/83

eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

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

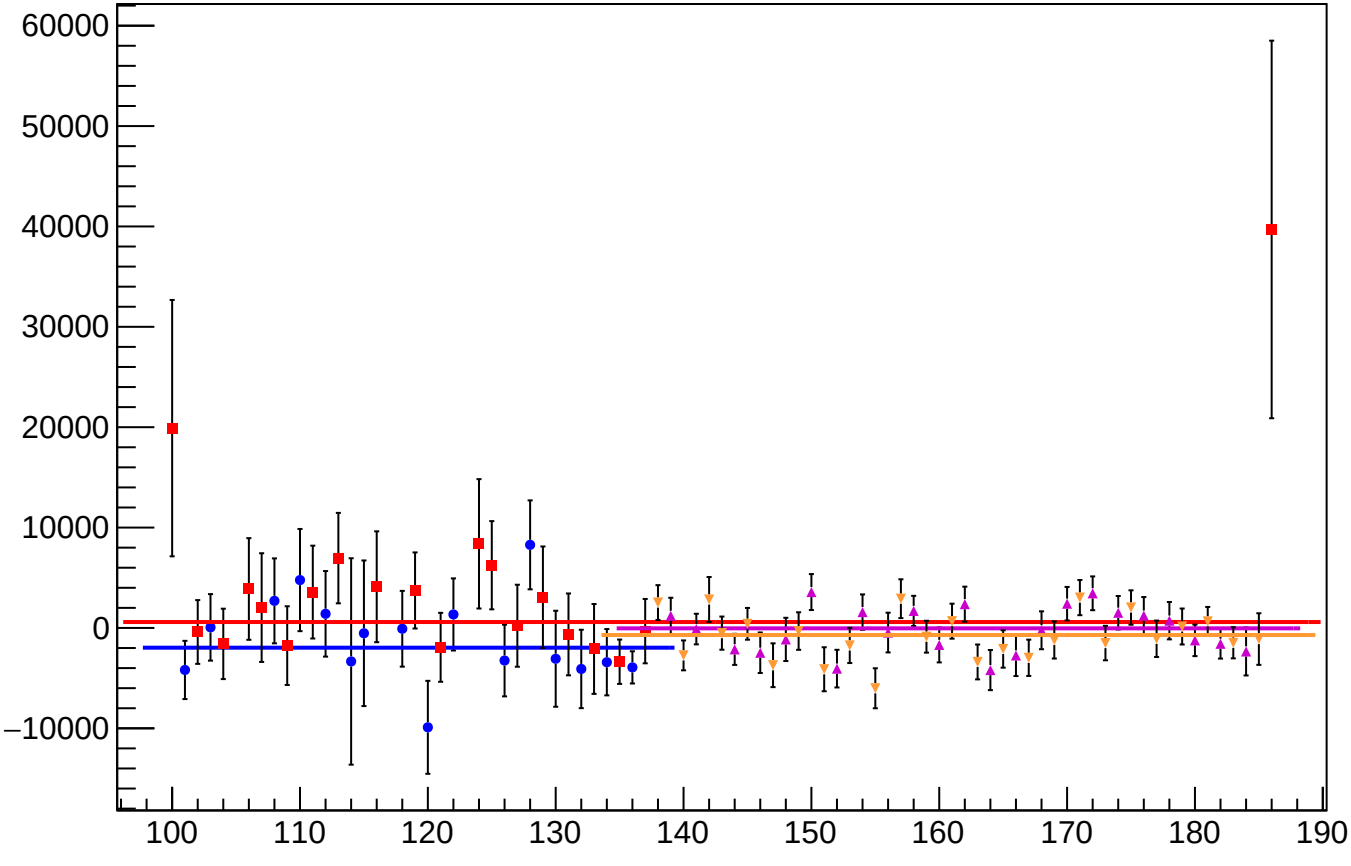
Right: 223.369+/-0.041 χ^2/NDF: 751046.5/35

In: 218.533+/-0.031 χ^2/NDF:482467.8/38

Out: 218.393+/-0.030 χ^2/NDF:639017.8/44

All: 218.461+/-0.021 χ^2/NDF: 1121496.4/83

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -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

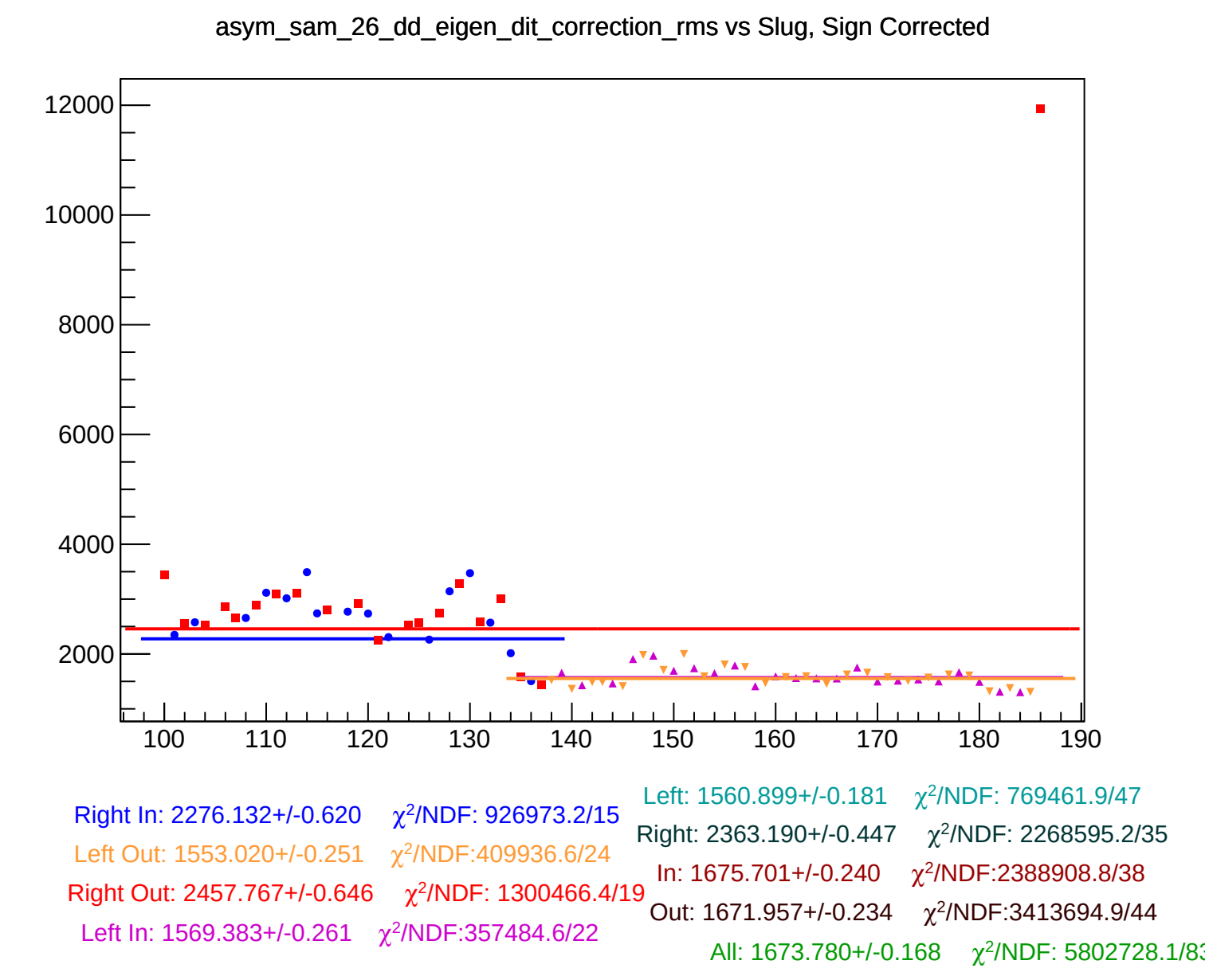
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -741.735+/-632.555 χ^2/NDF: 39.3/35

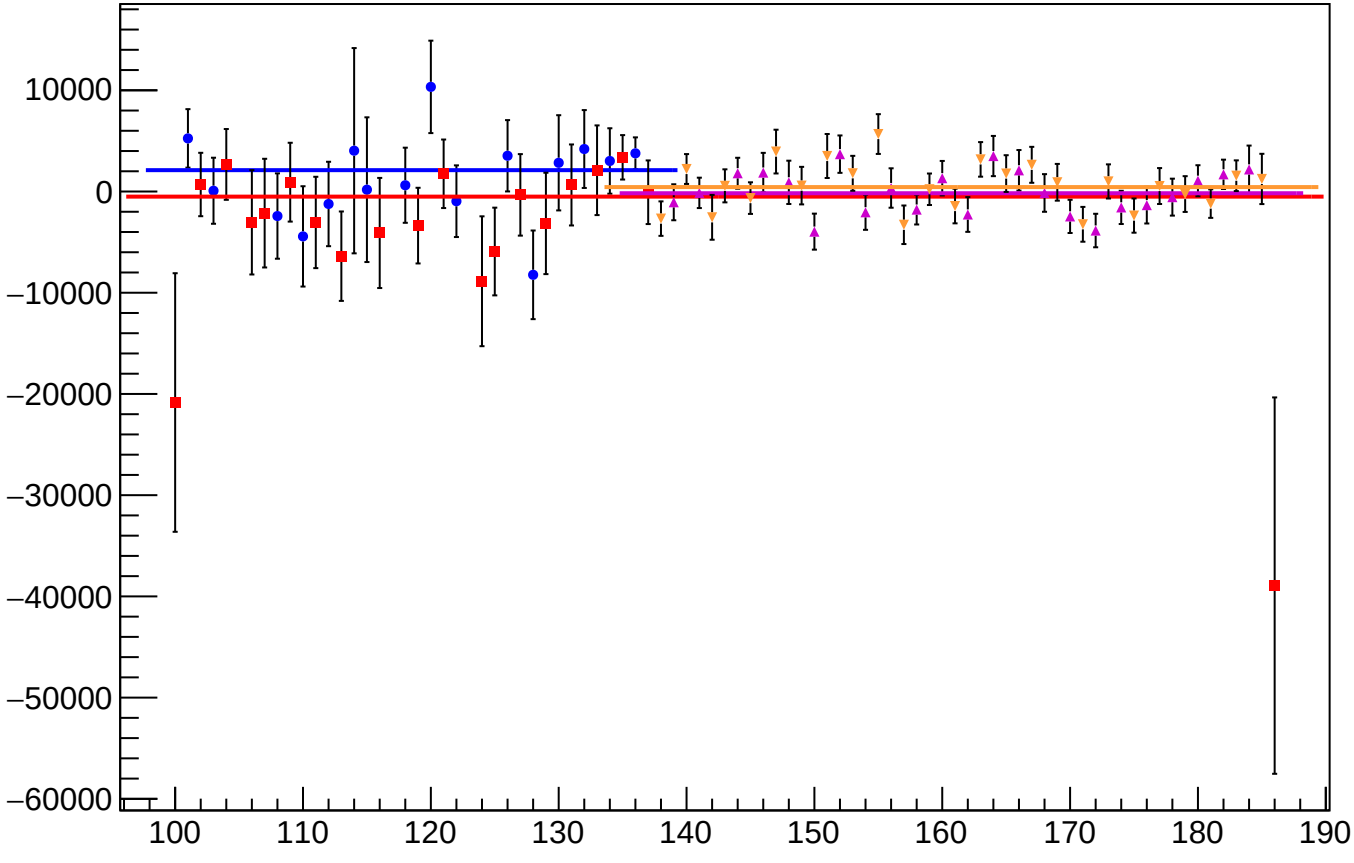
In: -329.653+/-339.998 χ^2/NDF:54.6/38

Out: -533.930+/-331.275 χ^2/NDF:58.5/44

All: -434.446+/-237.271 χ^2/NDF: 113.2/83


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2276.132+/-0.620 χ²/NDF: 926973.2/15
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: 2363.190+/-0.447 χ²/NDF: 2268595.2/35
In: 1675.701+/-0.240 χ²/NDF:2388908.8/38
Out: 1671.957+/-0.234 χ²/NDF:3413694.9/44
All: 1673.780+/-0.168 χ²/NDF: 5802728.1/83

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

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

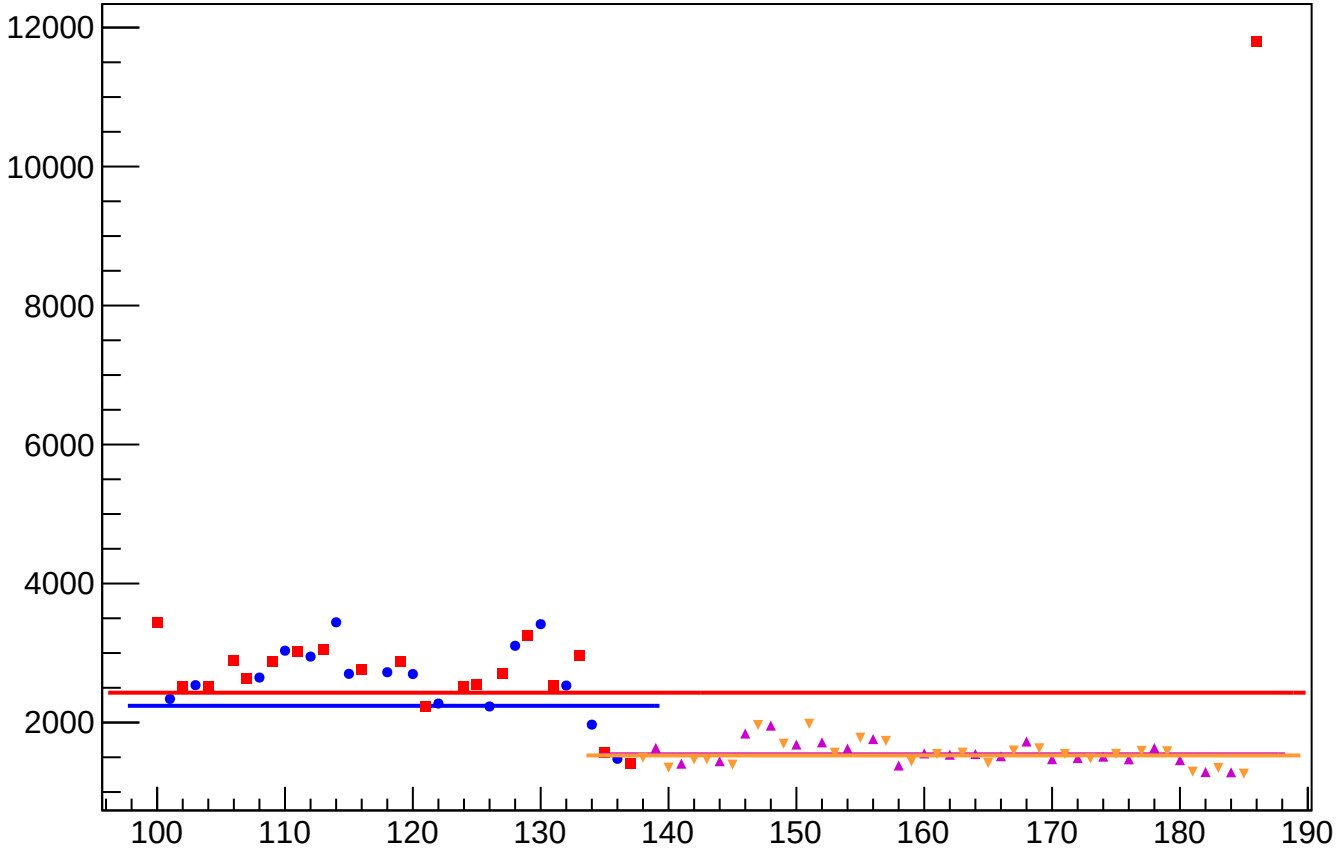
Right: 861.499+/-624.119 χ^2/NDF: 39.9/35

In: 171.909+/-334.269 χ^2/NDF:55.6/38

Out: 314.752+/-326.020 χ^2/NDF:58.7/44

All: 245.115+/-233.393 χ^2/NDF: 114.4/83

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

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

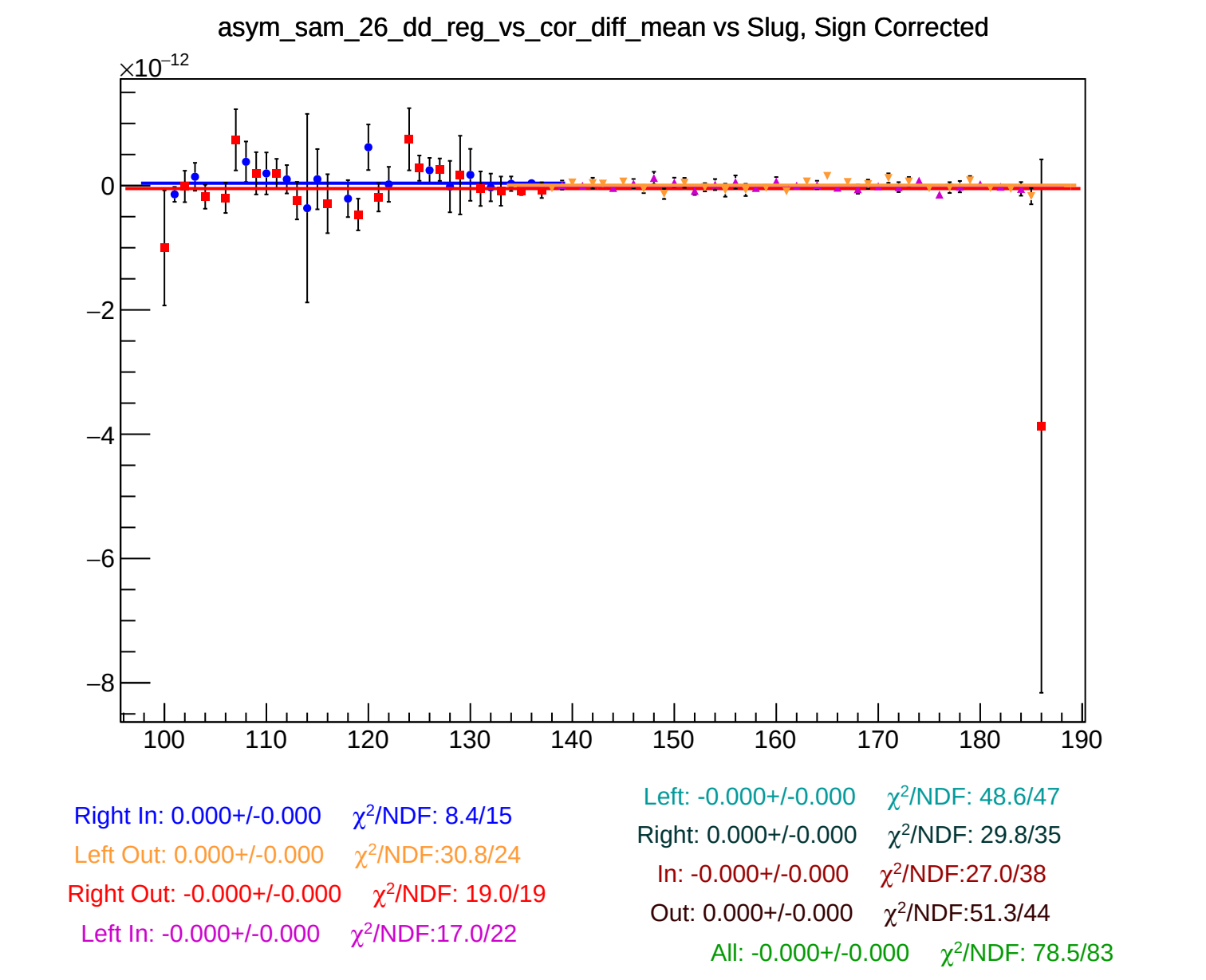
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

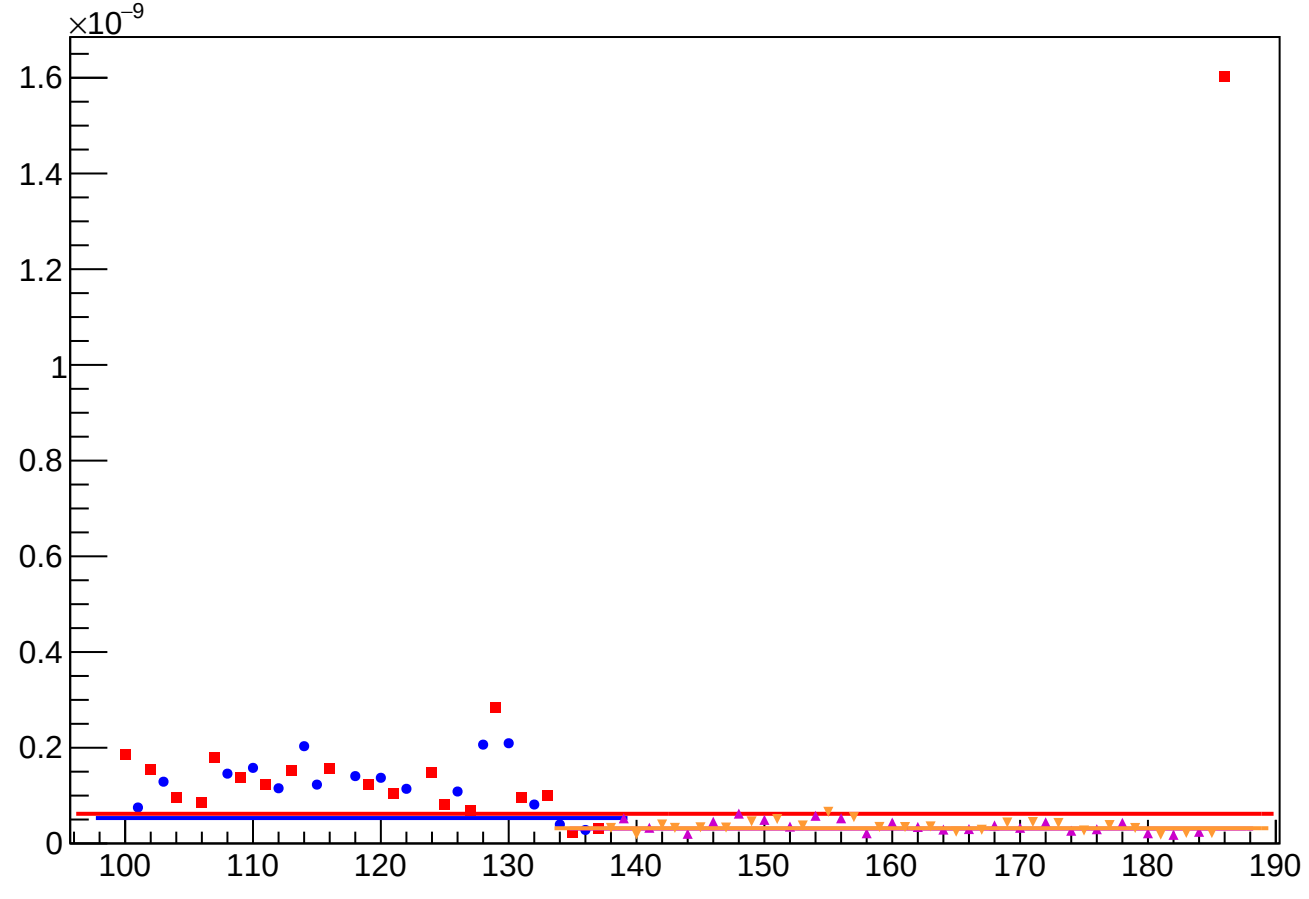
Right: 2330.685+/-0.441 χ^2/NDF: 2277255.3/35

In: 1646.966+/-0.236 χ^2/NDF:2408472.6/38

Out: 1644.287+/-0.231 χ^2/NDF:3464042.5/44

All: 1645.593+/-0.165 χ^2/NDF: 5872580.9/83


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: 8.4/15
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: 29.8/35
In: -0.000+/-0.000 χ²/NDF:27.0/38
Out: 0.000+/-0.000 χ²/NDF:51.3/44
All: -0.000+/-0.000 χ²/NDF: 78.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

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

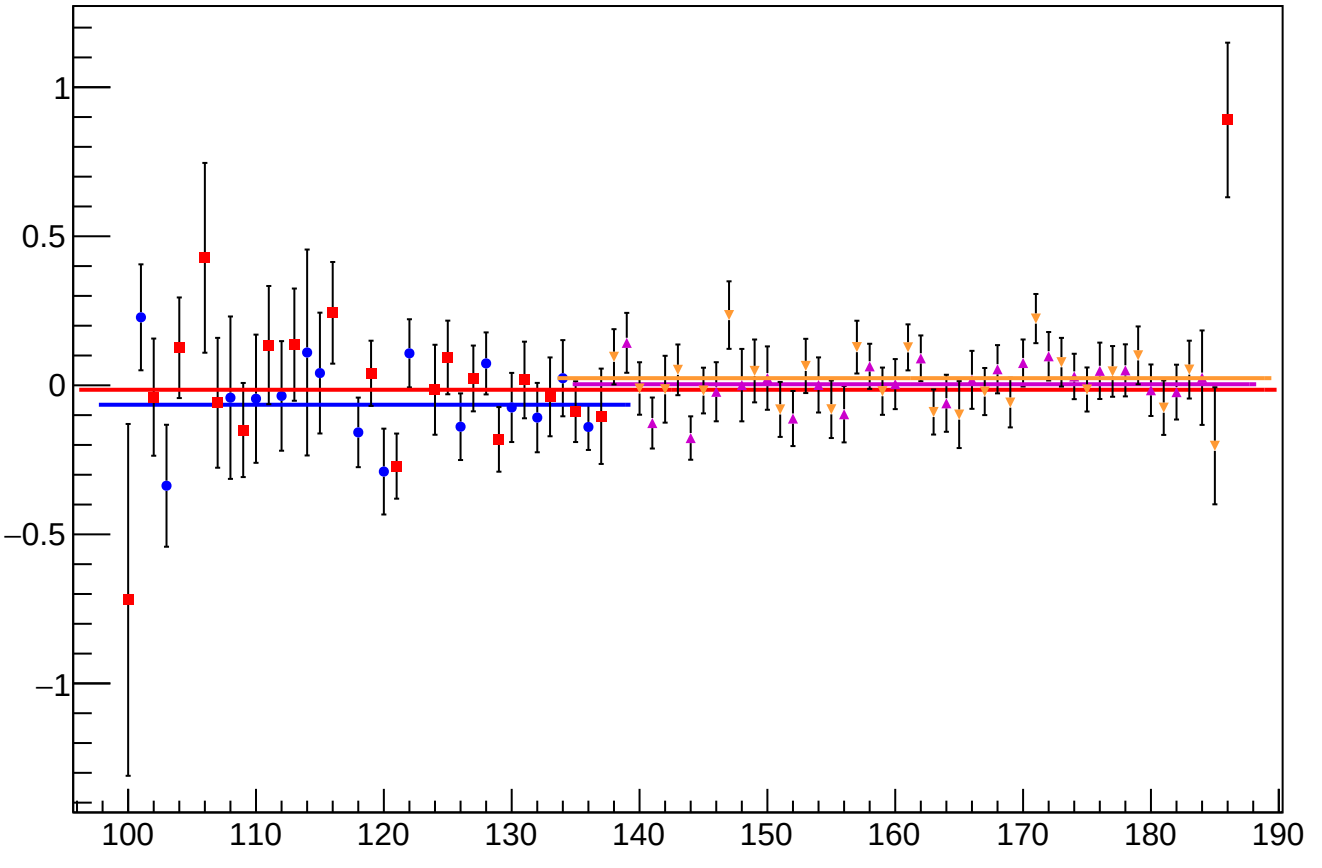
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5300550.3/35

In: 0.000+/-0.000 χ^2/NDF:4827074.9/38

Out: 0.000+/-0.000 χ^2/NDF:4802949.2/44

All: 0.000+/-0.000 χ^2/NDF: 9633007.6/83



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

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

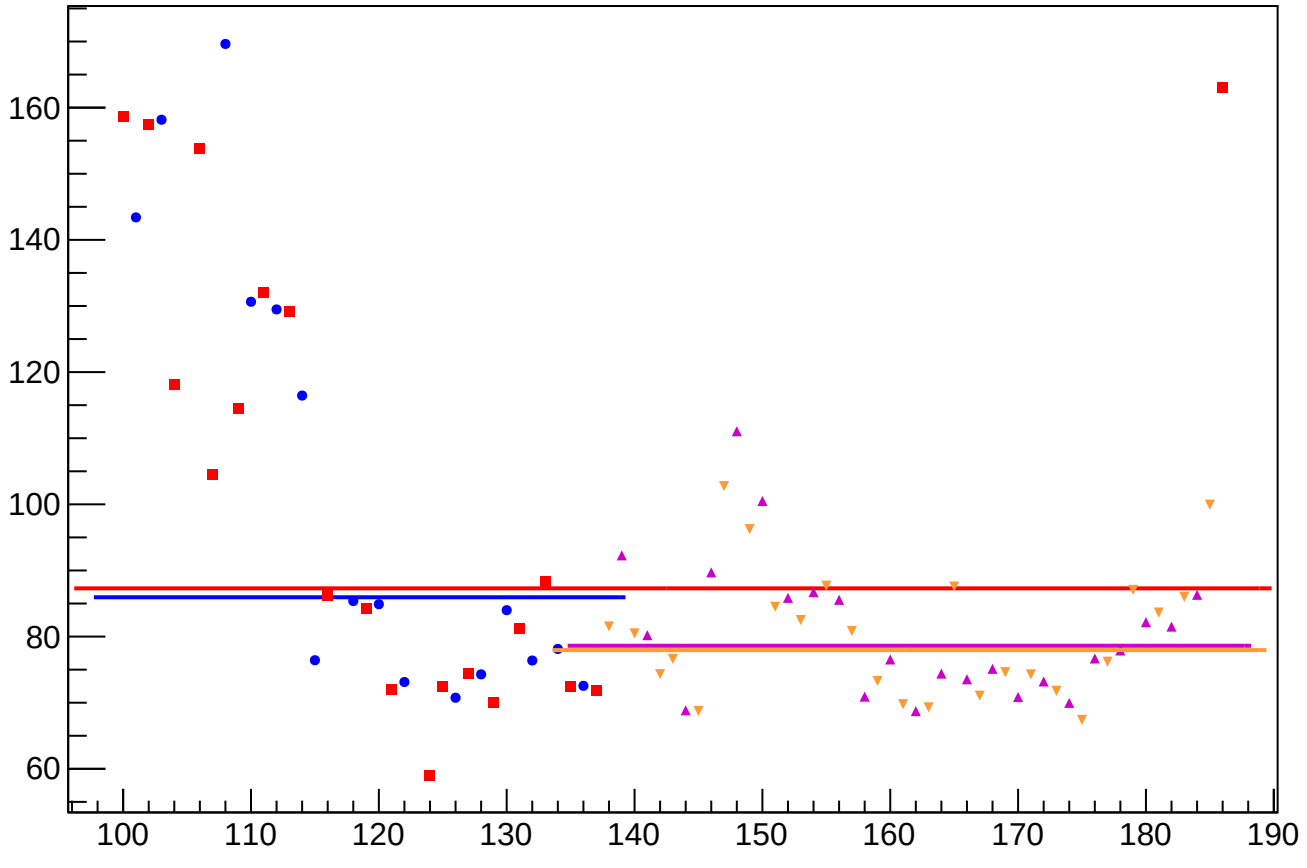
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.040+/-0.023 χ^2/NDF: 45.8/35

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.002+/-0.011 χ^2/NDF: 94.9/83



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

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

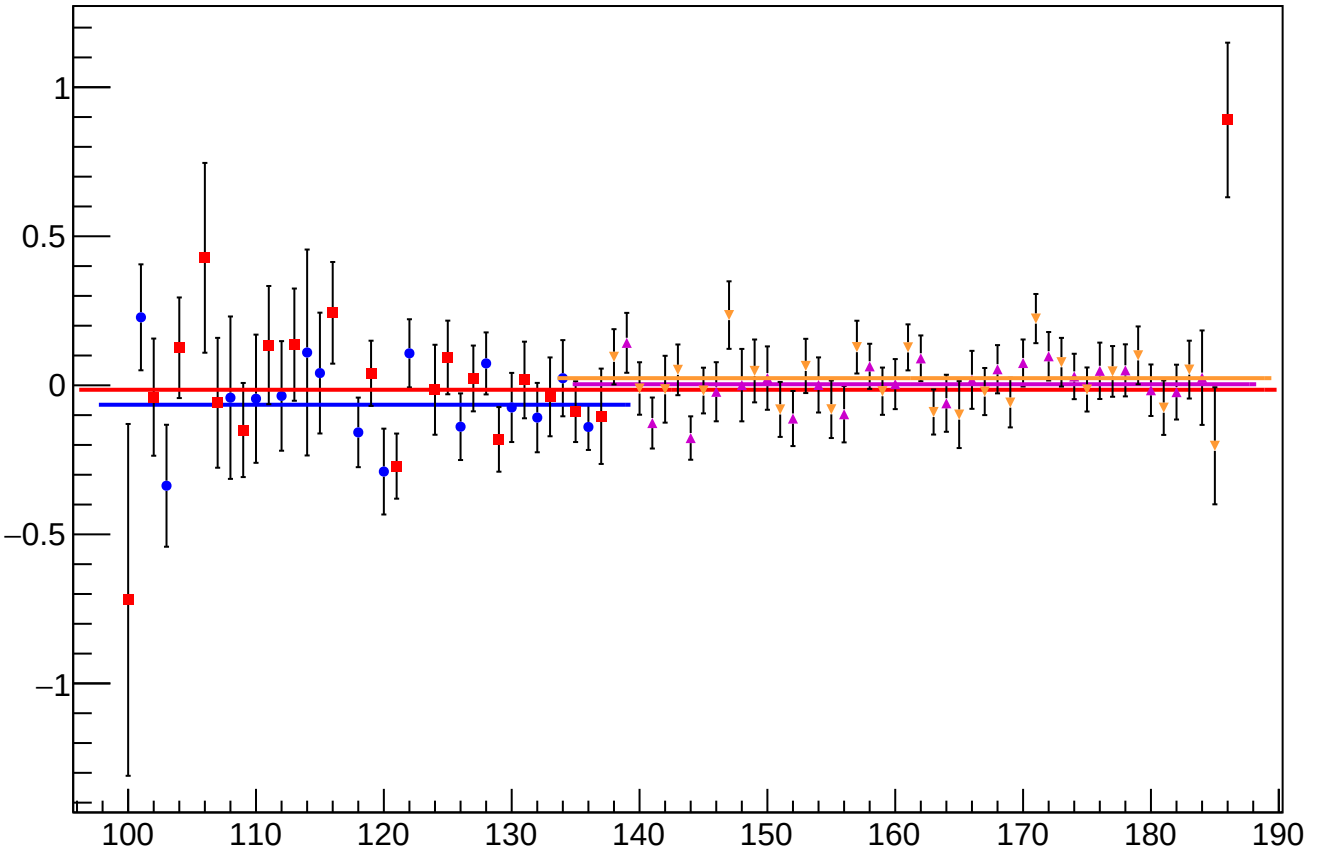
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 86.633+/-0.016 χ^2/NDF: 2201180.9/35

In: 80.353+/-0.011 χ^2/NDF:1606724.7/38

Out: 80.102+/-0.011 χ^2/NDF:1729858.4/44

All: 80.223+/-0.008 χ^2/NDF: 3336829.6/83



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

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

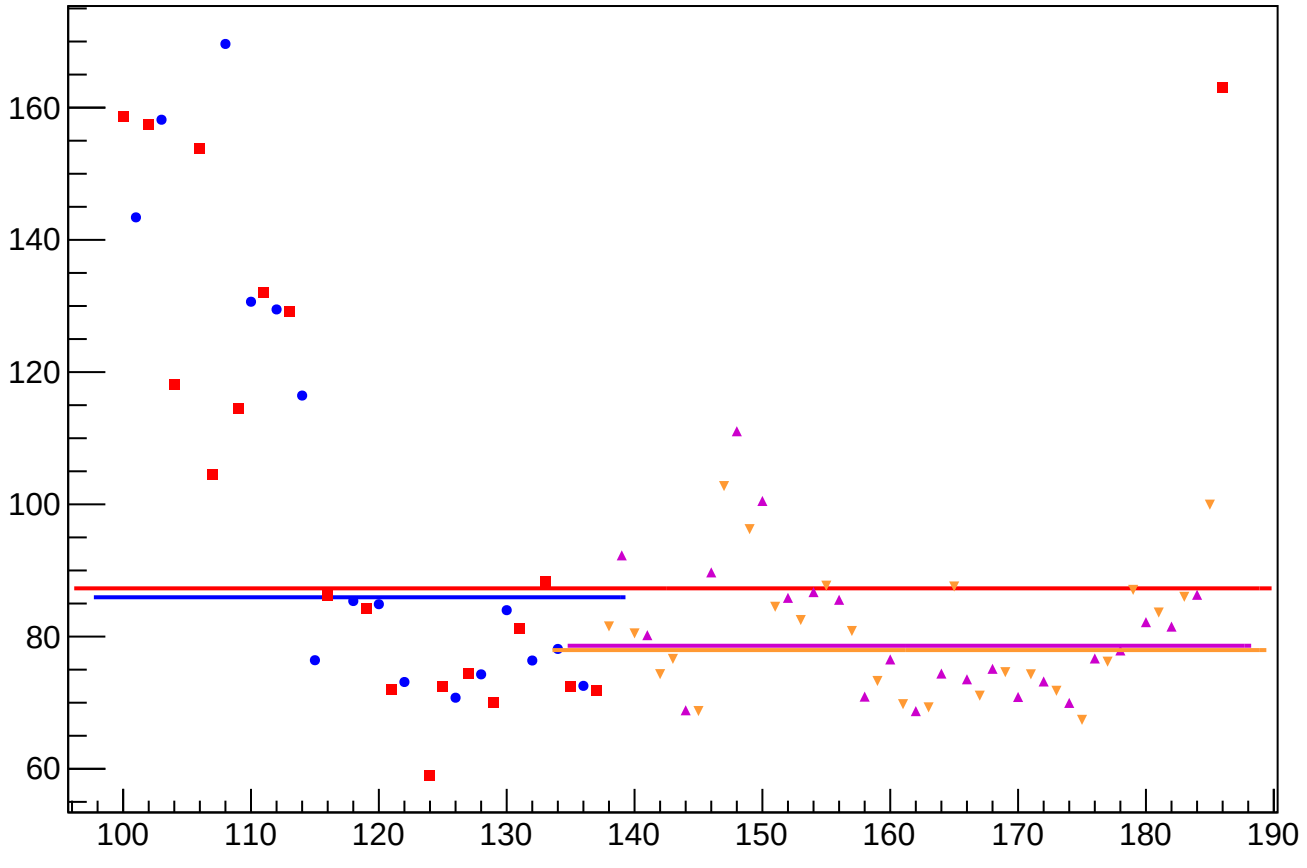
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.040+/-0.023 χ^2/NDF: 45.8/35

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.002+/-0.011 χ^2/NDF: 94.9/83



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

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

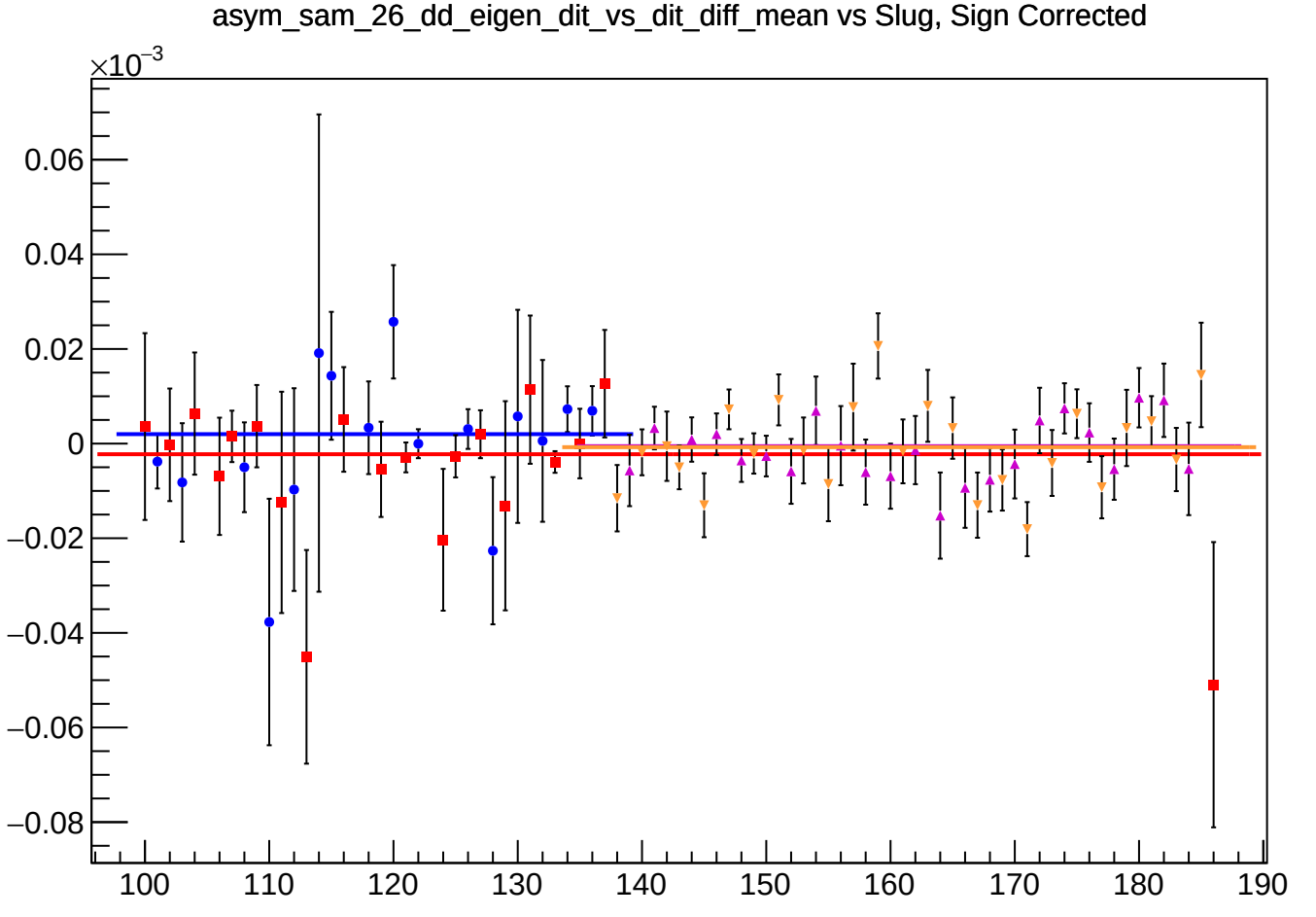
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 86.633+/-0.016 χ^2/NDF: 2201180.9/35

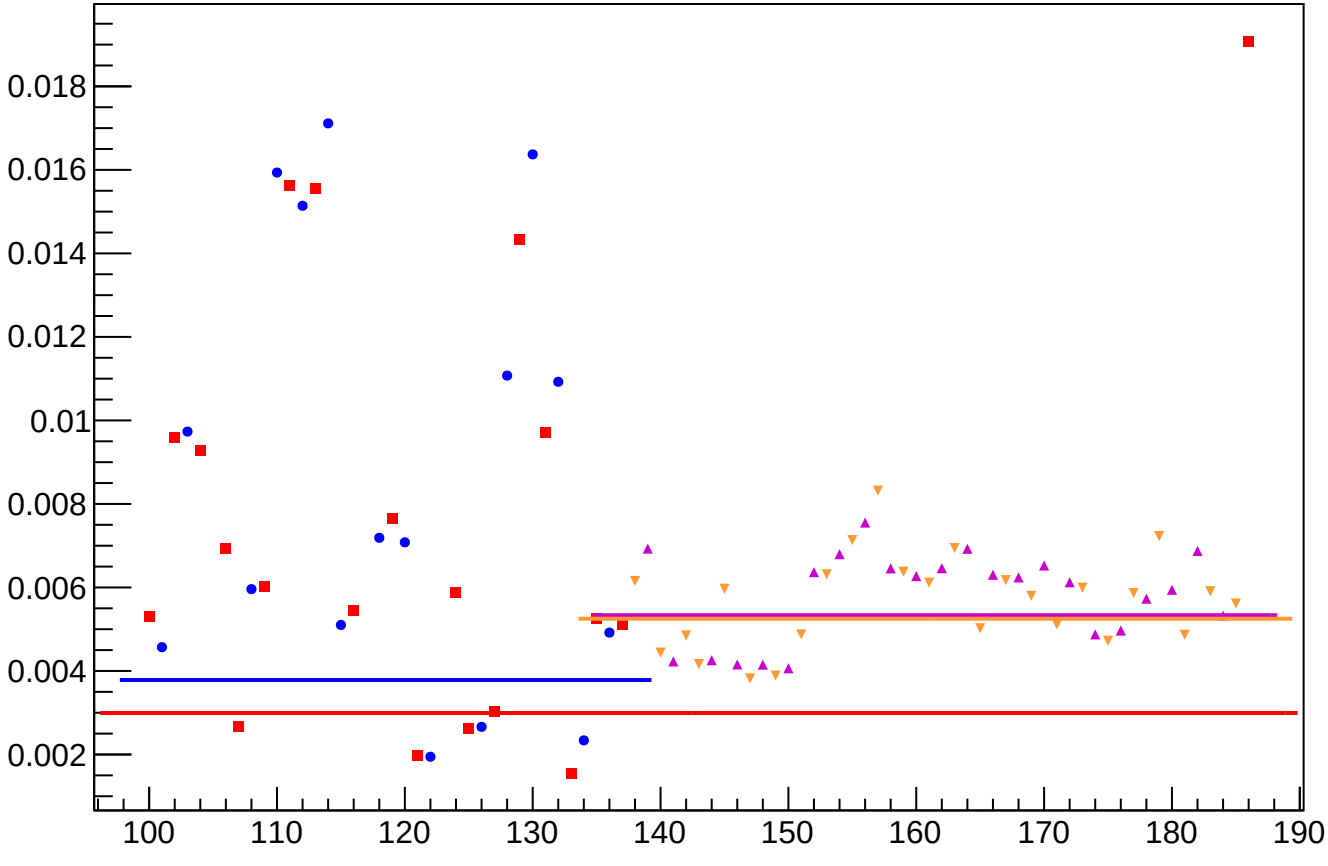
In: 80.353+/-0.011 χ^2/NDF:1606724.7/38

Out: 80.102+/-0.011 χ^2/NDF:1729858.4/44

All: 80.223+/-0.008 χ^2/NDF: 3336829.6/83


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:47.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.1/19
Left In: -0.000+/-0.000 χ²/NDF:18.6/22
Left: -0.000+/-0.000 χ²/NDF: 66.2/47
Right: -0.000+/-0.000 χ²/NDF: 32.6/35
In: 0.000+/-0.000 χ²/NDF:34.9/38
Out: -0.000+/-0.000 χ²/NDF:62.3/44
All: -0.000+/-0.000 χ²/NDF: 98.8/83

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

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

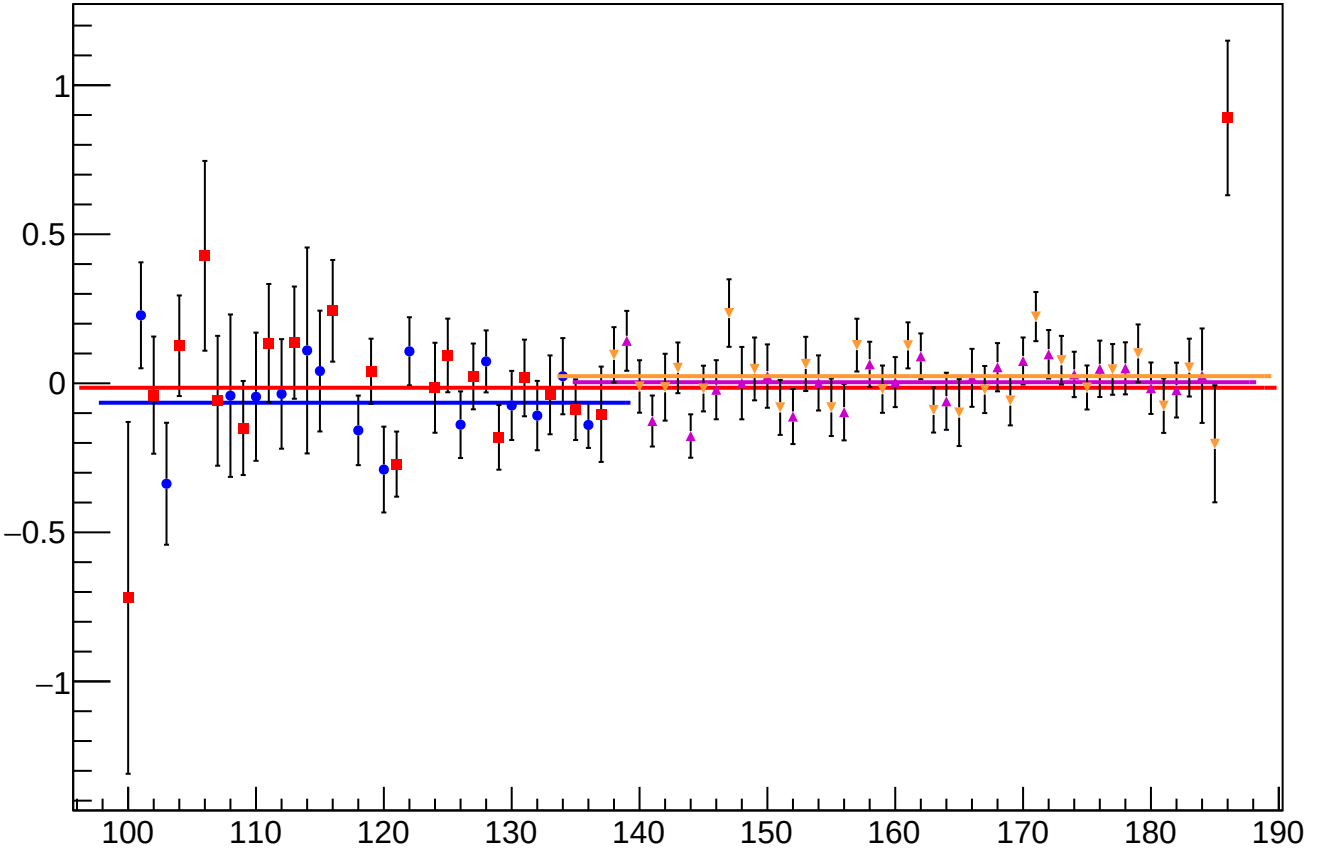
Right: 0.003+/-0.000 χ^2/NDF: 11061317.1/35

In: 0.005+/-0.000 χ^2/NDF:7228402.7/38

Out: 0.004+/-0.000 χ^2/NDF:10577148.8/44

All: 0.005+/-0.000 χ^2/NDF: 18085493.4/83

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-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

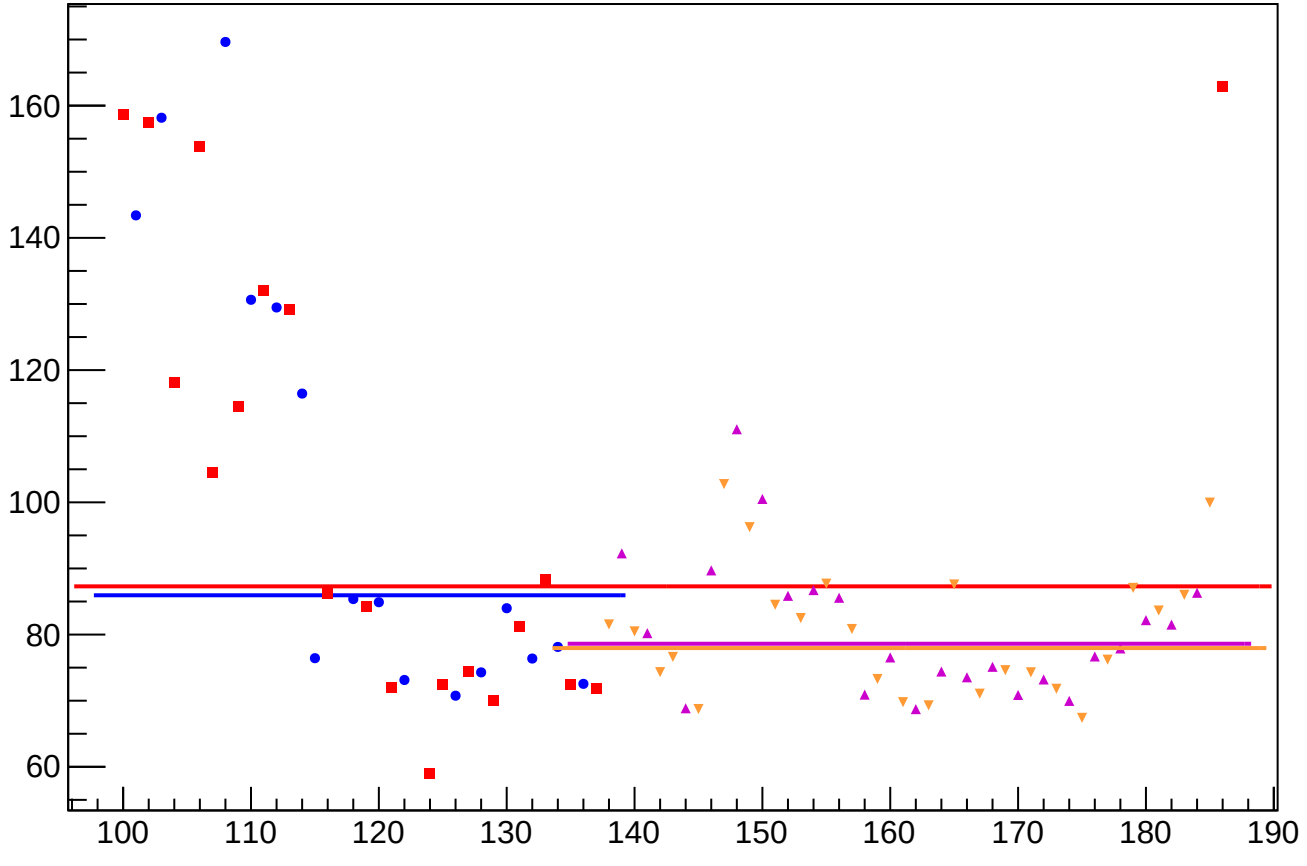
Right: -0.040+/-0.023 χ^2/NDF: 45.8/35

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.002+/-0.011 χ^2/NDF: 94.9/83

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 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

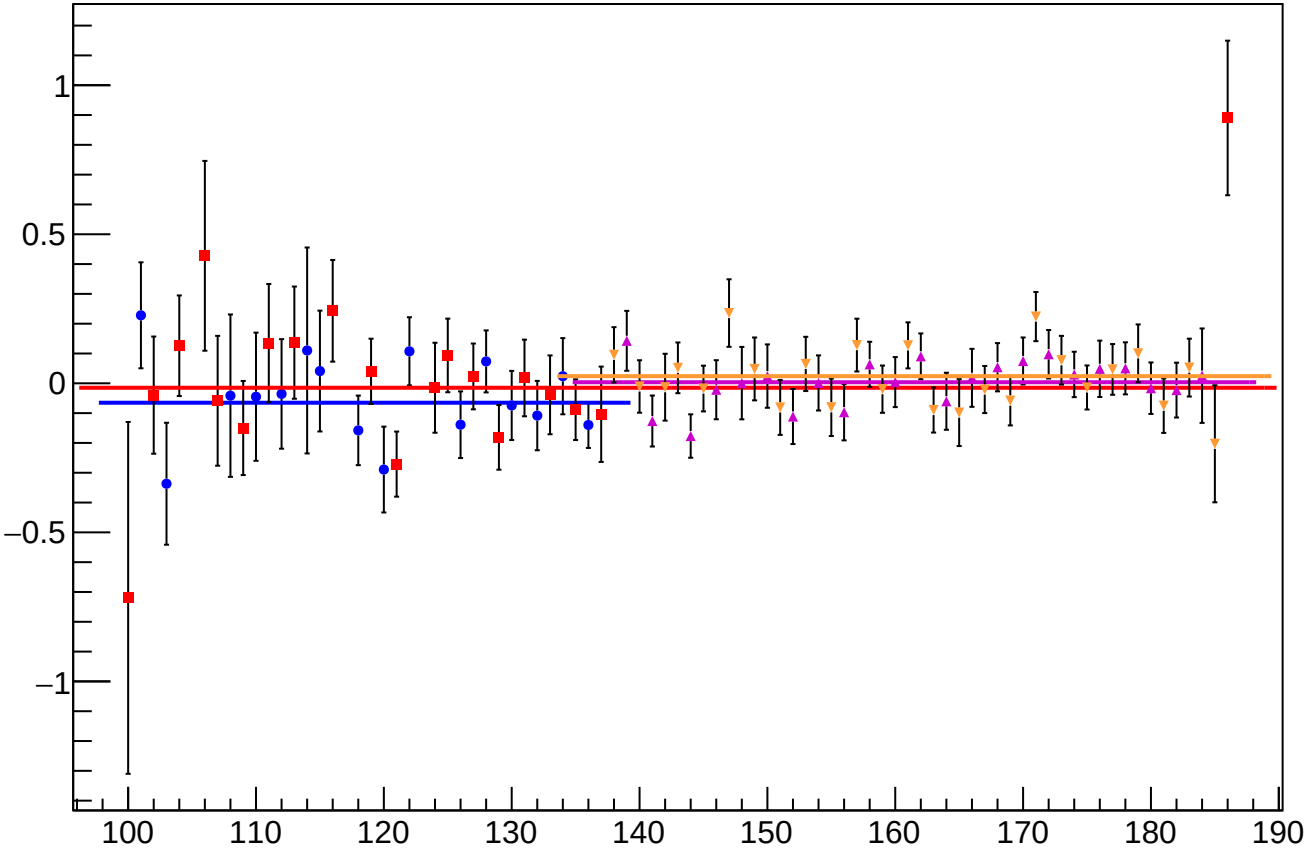
Right: 86.631+/-0.016 χ^2/NDF: 2201133.3/35

In: 80.352+/-0.011 χ^2/NDF:1606712.2/38

Out: 80.101+/-0.011 χ^2/NDF:1729826.3/44

All: 80.222+/-0.008 χ^2/NDF: 3336784.4/83

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.024+/-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

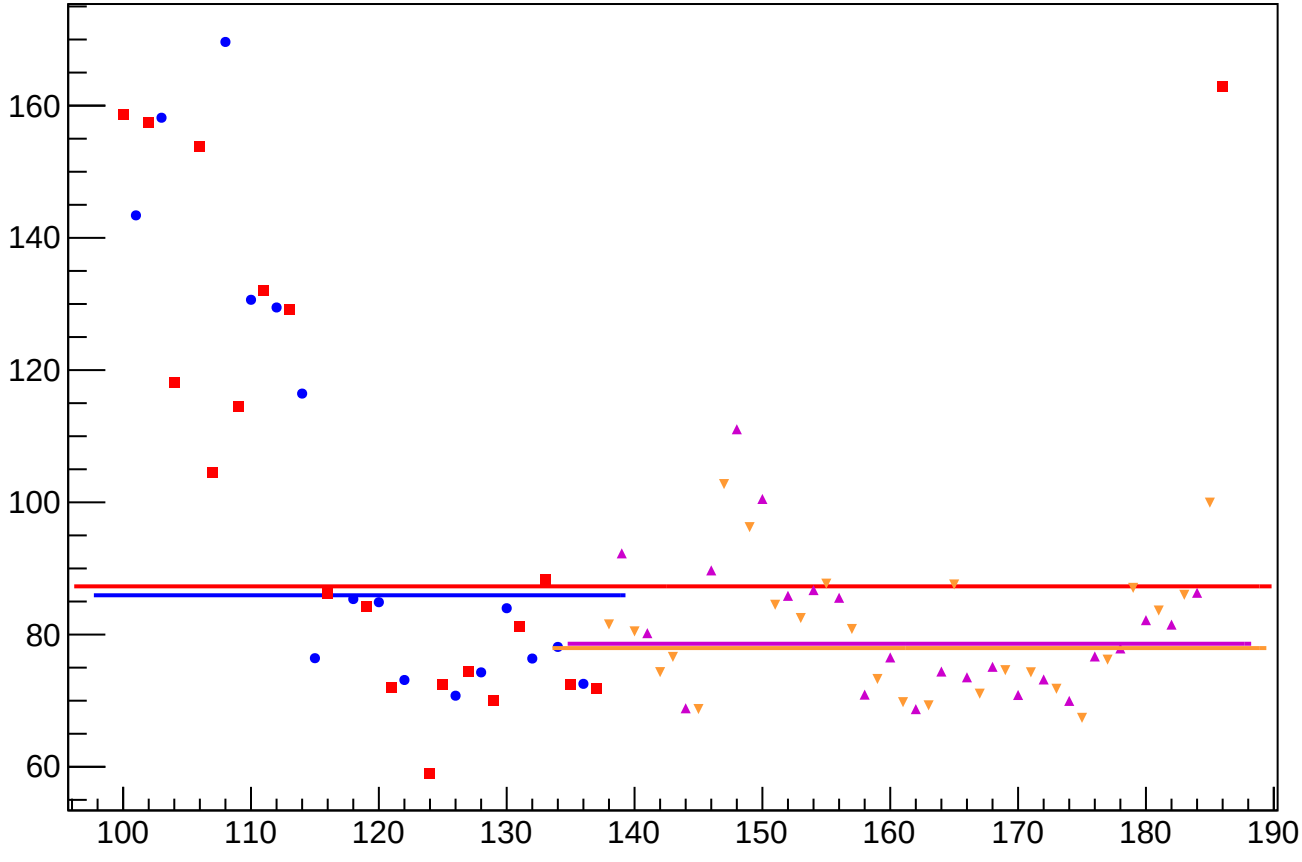
Right: -0.040+/-0.023 χ^2/NDF: 45.8/35

In: -0.013+/-0.016 χ^2/NDF:36.3/38

Out: 0.015+/-0.016 χ^2/NDF:57.1/44

All: 0.002+/-0.011 χ^2/NDF: 94.9/83

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 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

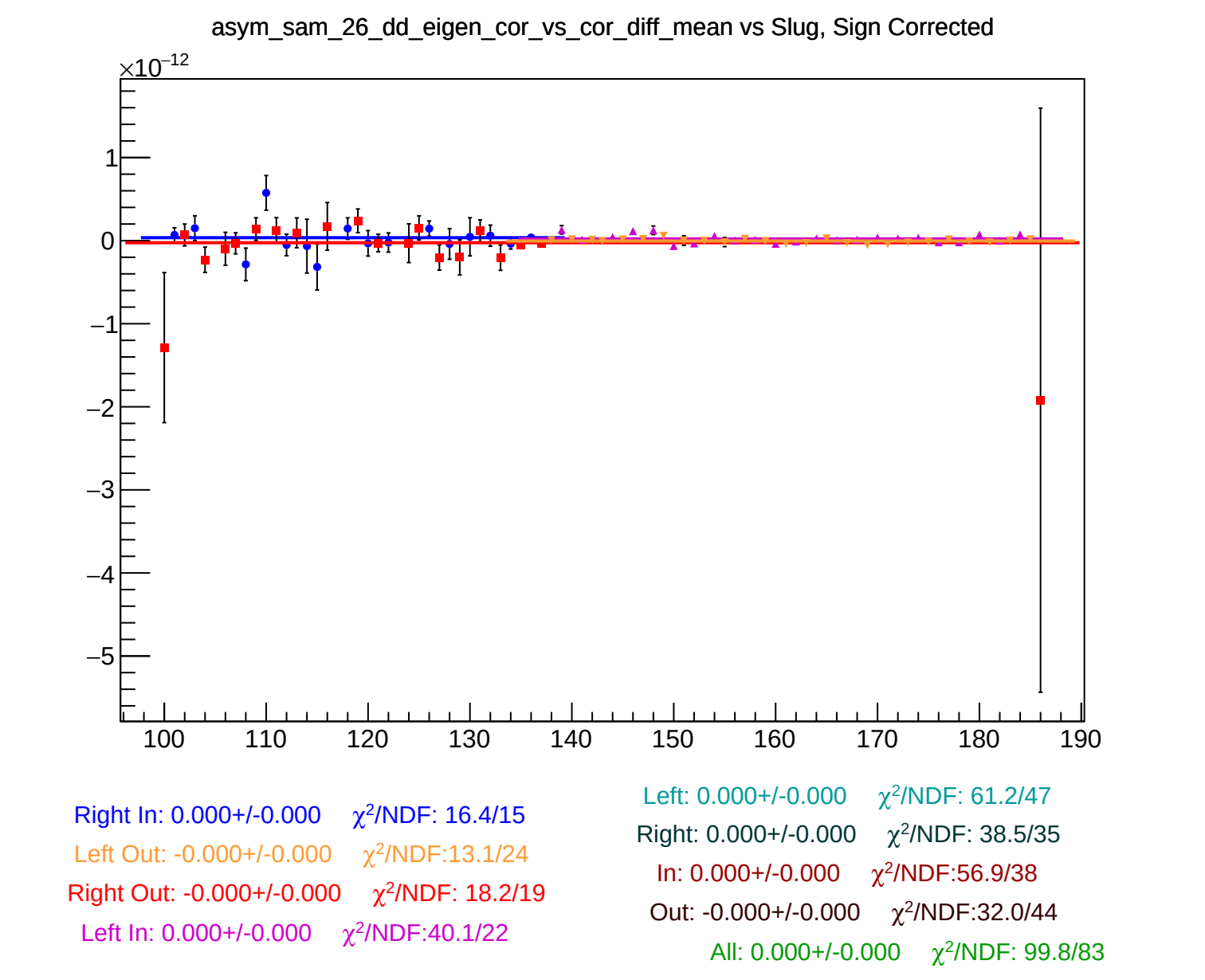
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

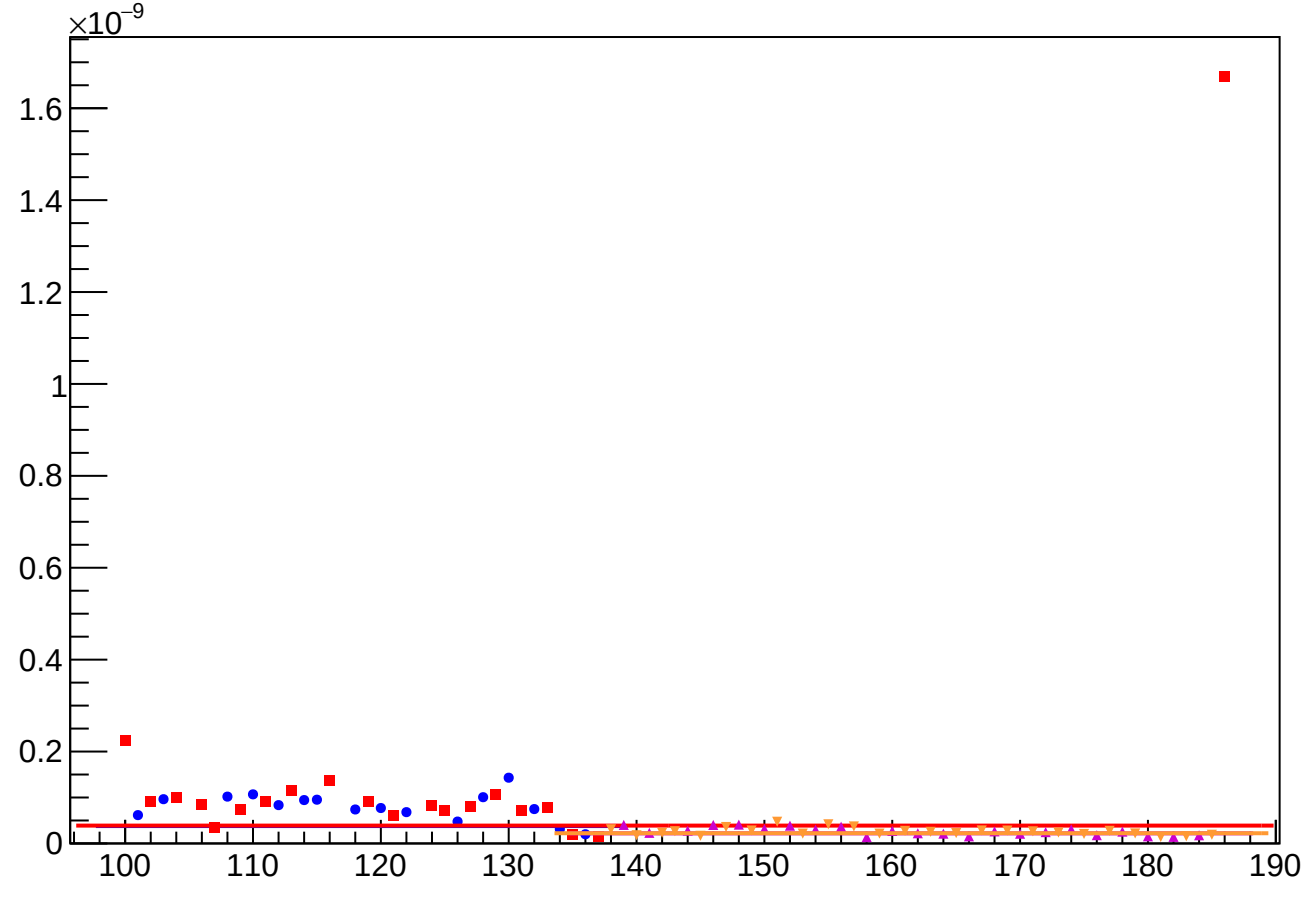
Right: 86.631+/-0.016 χ^2/NDF: 2201133.3/35

In: 80.352+/-0.011 χ^2/NDF:1606712.2/38

Out: 80.101+/-0.011 χ^2/NDF:1729826.3/44

All: 80.222+/-0.008 χ^2/NDF: 3336784.4/83


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: 16.4/15
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: 38.5/35
In: 0.000+/-0.000 χ²/NDF:56.9/38
Out: -0.000+/-0.000 χ²/NDF:32.0/44
All: 0.000+/-0.000 χ²/NDF: 99.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

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

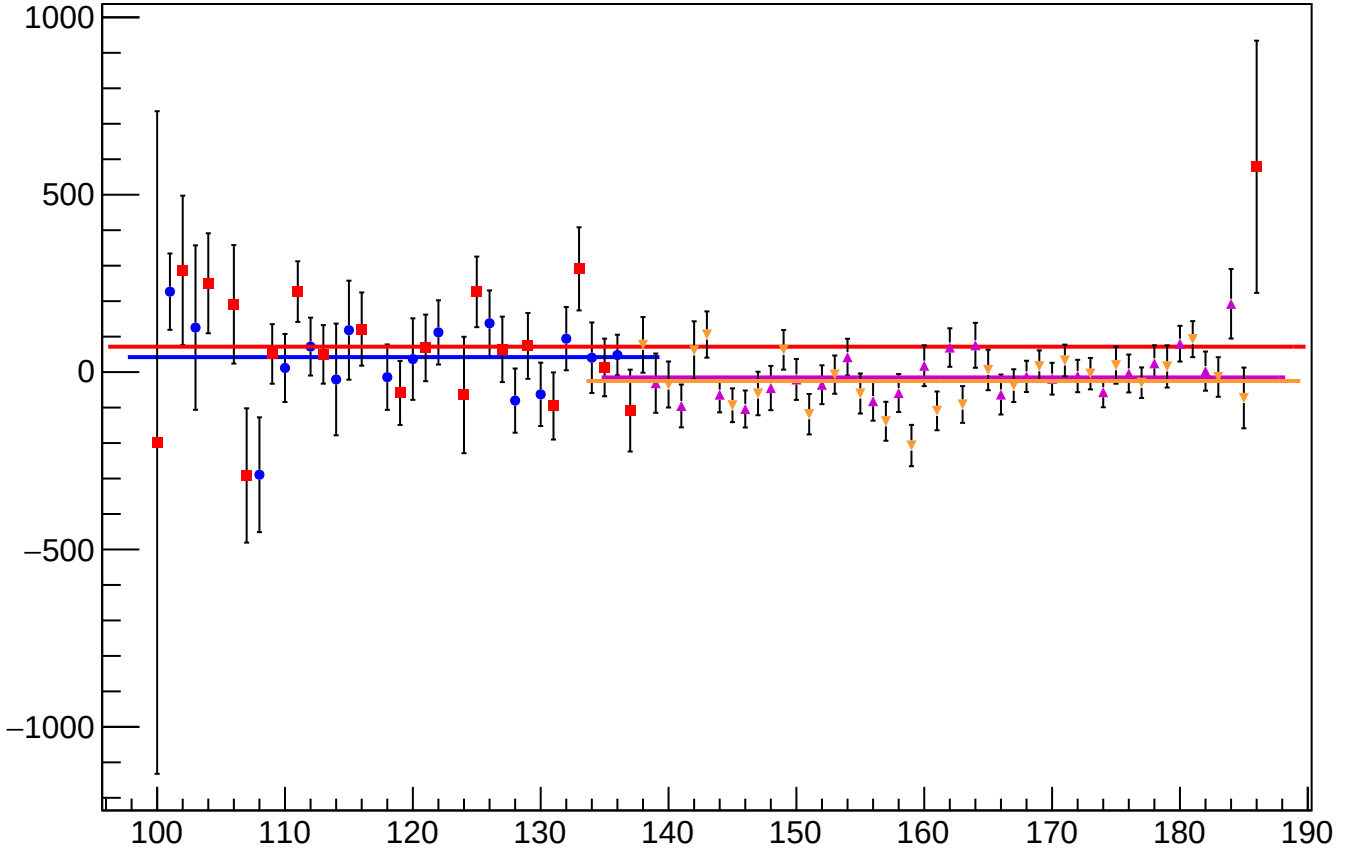
Right: 0.000+/-0.000 χ^2/NDF: 8011036.2/35

In: 0.000+/-0.000 χ^2/NDF:7335000.4/38

Out: 0.000+/-0.000 χ^2/NDF:7896766.2/44

All: 0.000+/-0.000 χ^2/NDF: 15231790.5/83

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

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

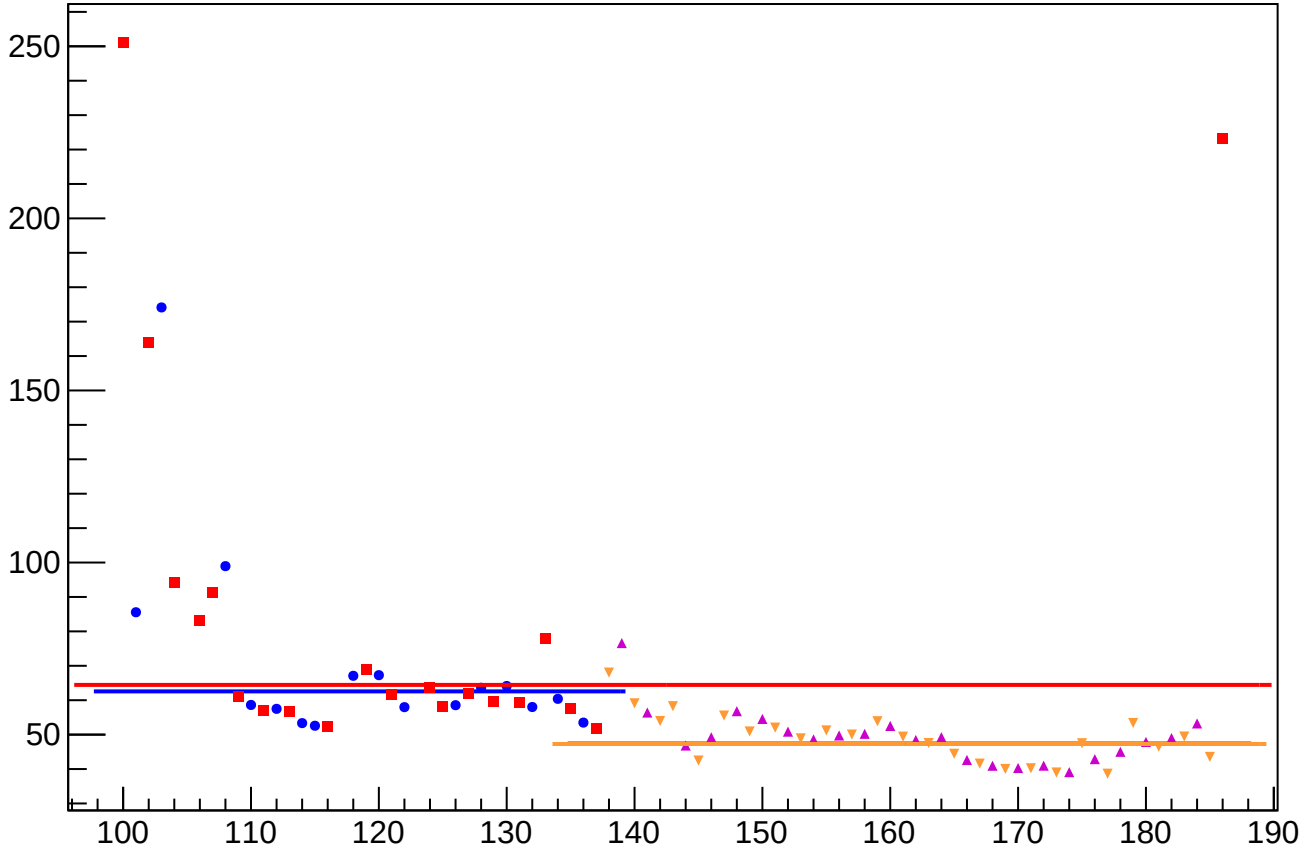
Right: 56.838+/-17.171 χ^2/NDF: 41.7/35

In: -4.879+/-10.178 χ^2/NDF:42.9/38

Out: -8.900+/-9.940 χ^2/NDF:83.6/44

All: -6.937+/-7.111 χ^2/NDF: 126.6/83

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

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

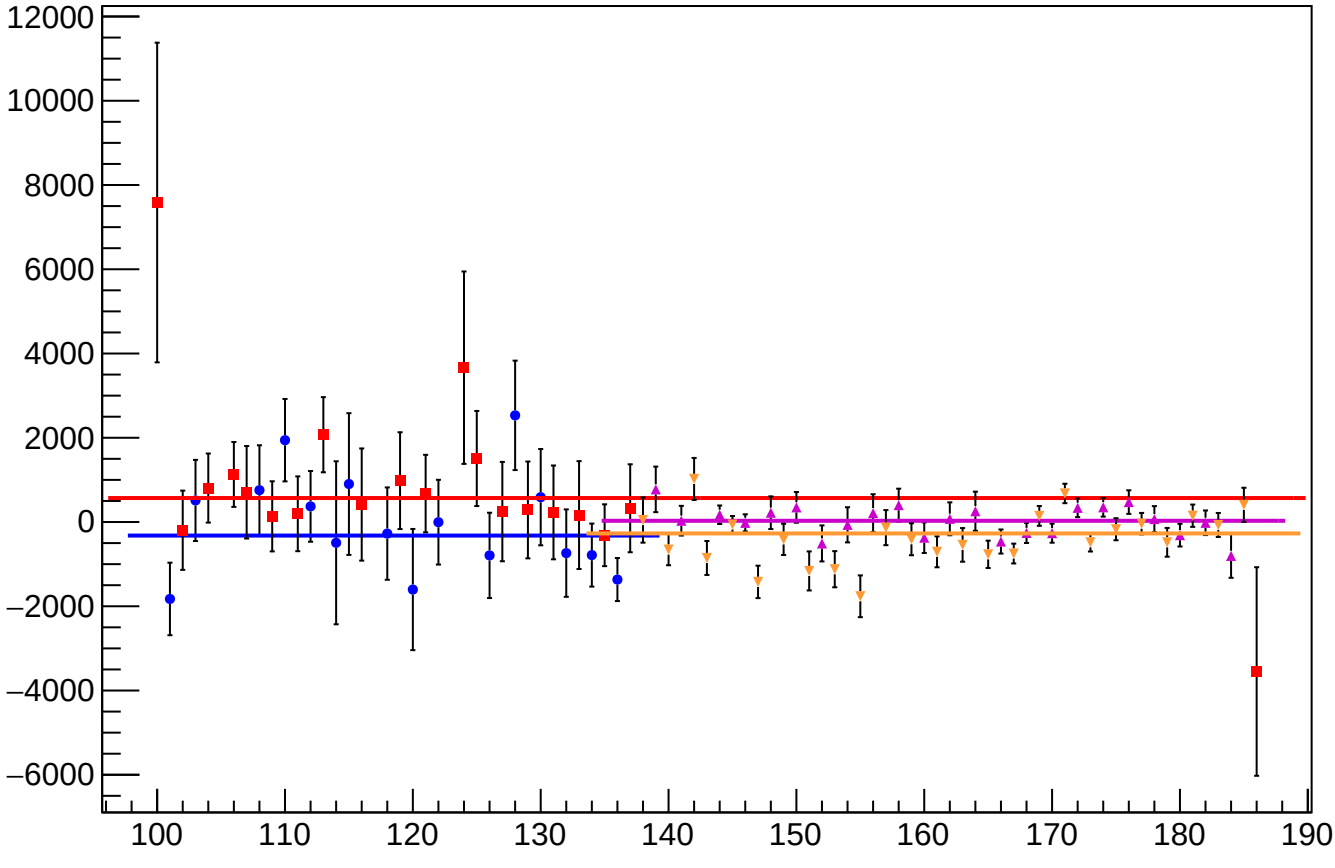
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 63.501+/-0.012 χ^2/NDF: 1999730.5/35

In: 50.102+/-0.007 χ^2/NDF:2058421.7/38

Out: 50.141+/-0.007 χ^2/NDF:2779998.7/44

All: 50.122+/-0.005 χ^2/NDF: 4838435.9/83



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

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

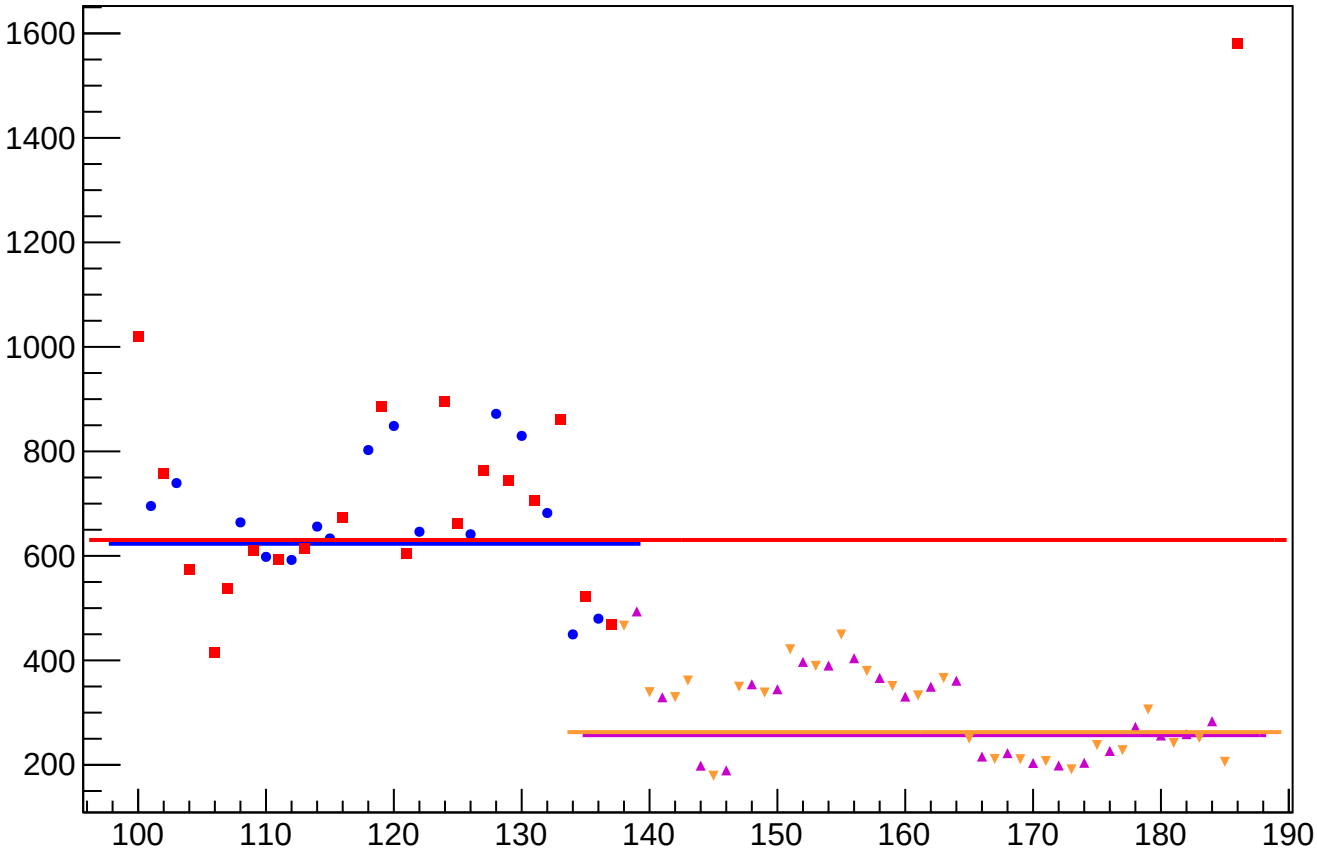
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 134.865+/-166.517 χ^2/NDF: 45.1/35

In: 6.536+/-60.613 χ^2/NDF:49.1/38

Out: -214.717+/-60.220 χ^2/NDF:101.3/44

All: -104.809+/-42.720 χ^2/NDF: 157.2/83



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

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

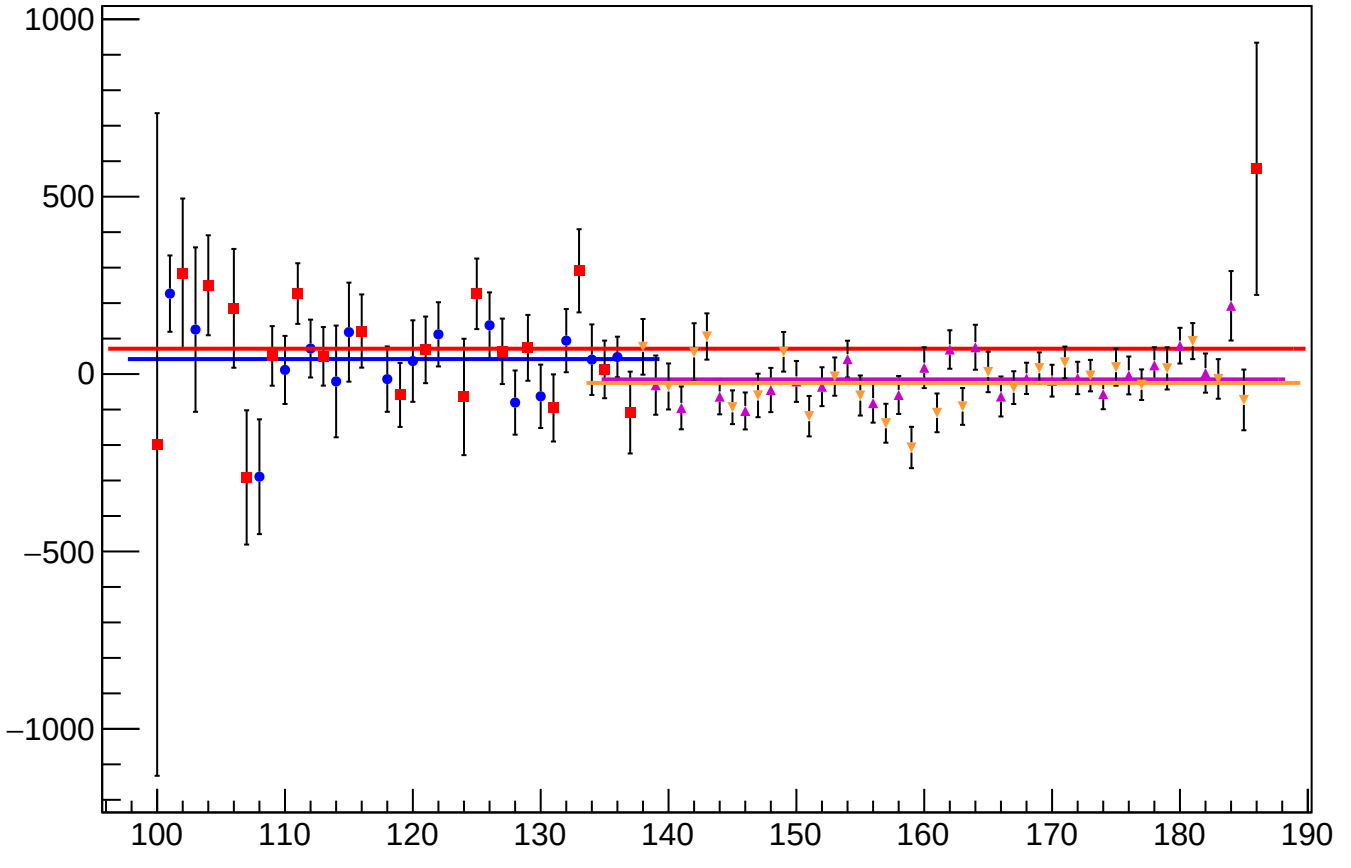
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 626.899+/-0.118 χ^2/NDF: 1446227.1/35

In: 280.507+/-0.043 χ^2/NDF:7619231.8/38

Out: 287.327+/-0.043 χ^2/NDF:8437121.0/44

All: 283.939+/-0.030 χ^2/NDF: 16069097.9/83



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

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

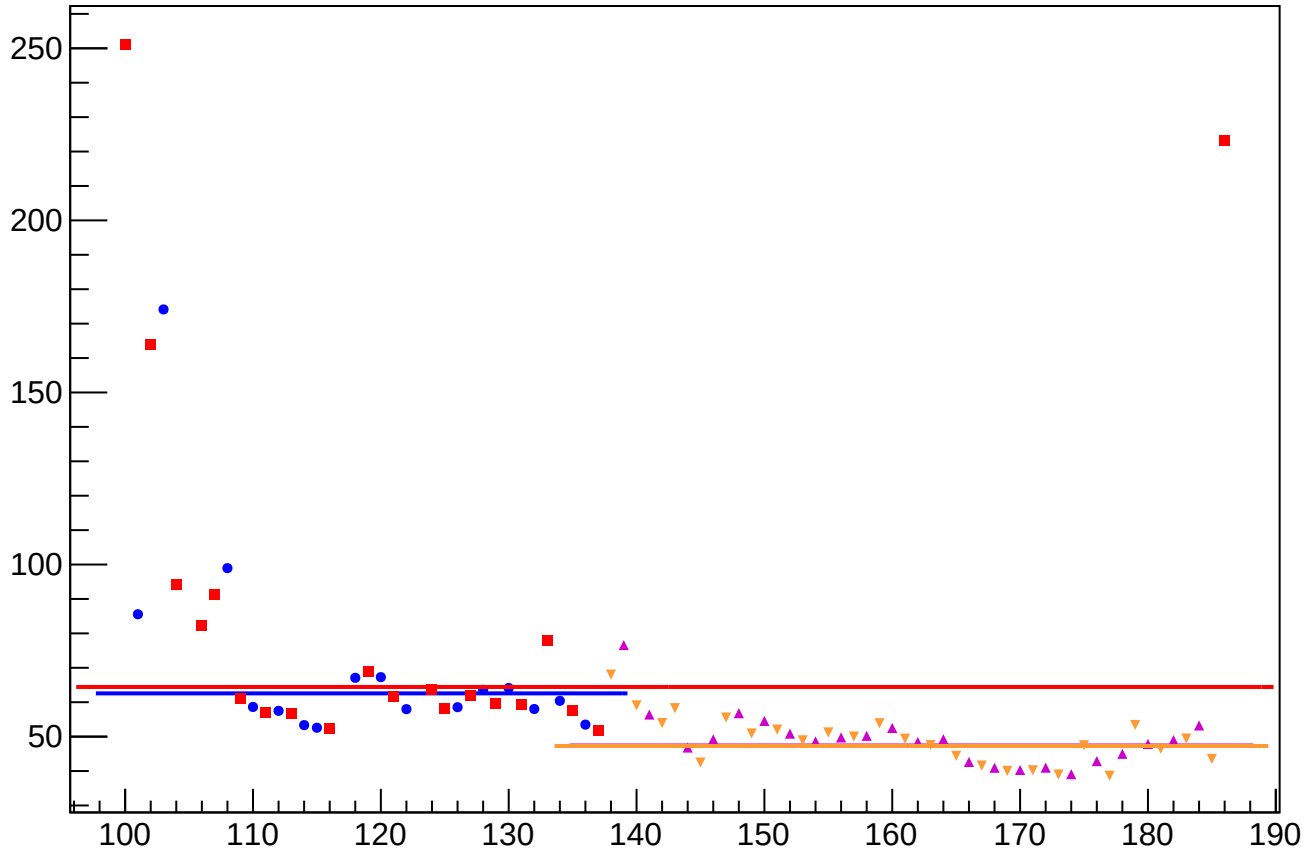
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 56.744+/-17.172 χ^2/NDF: 41.6/35

In: -4.879+/-10.178 χ^2/NDF:42.9/38

Out: -8.929+/-9.940 χ^2/NDF:83.5/44

All: -6.952+/-7.111 χ^2/NDF: 126.4/83



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

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

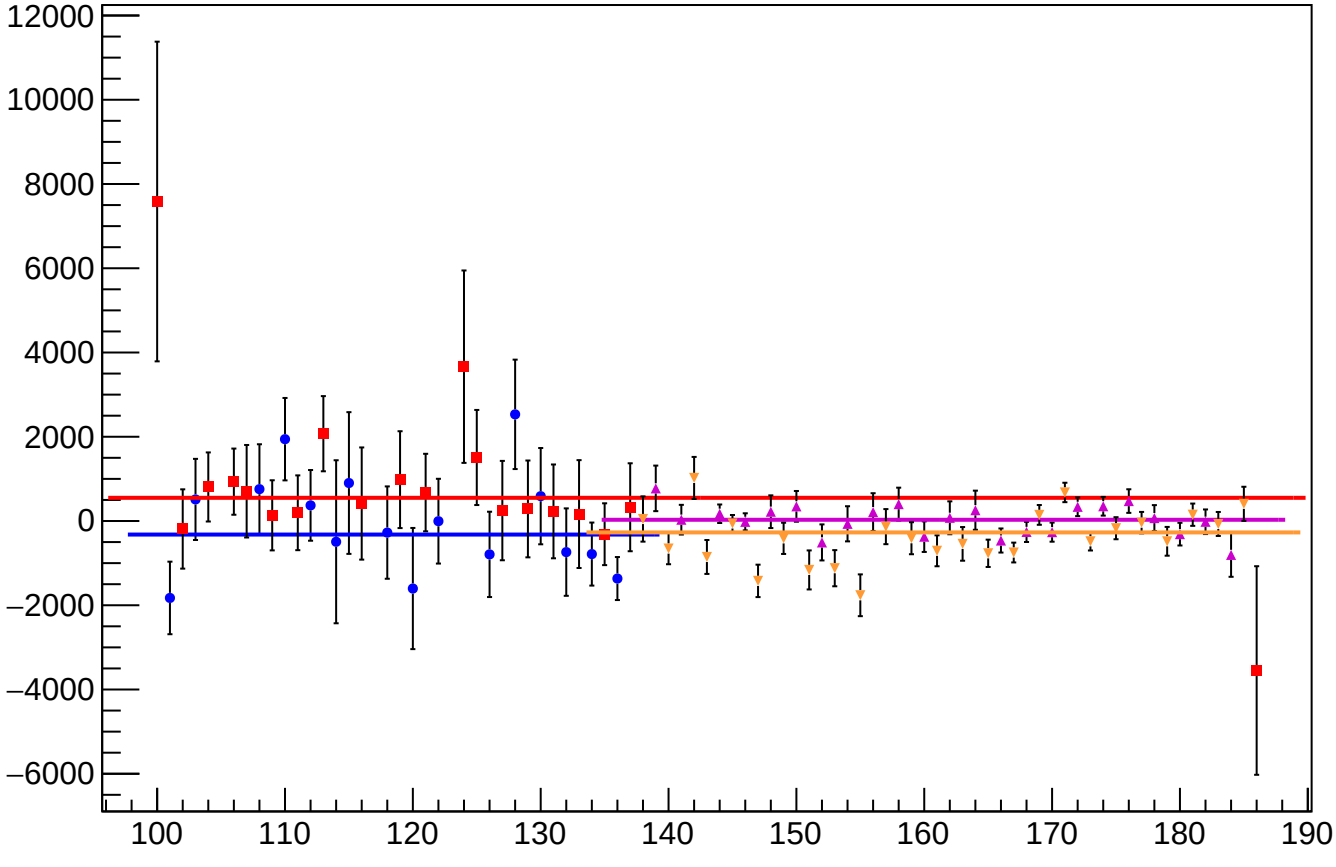
Right: 63.489+/-0.012 χ^2/NDF: 1996953.8/35

In: 50.102+/-0.007 χ^2/NDF:2058423.5/38

Out: 50.137+/-0.007 χ^2/NDF:2774982.2/44

All: 50.120+/-0.005 χ^2/NDF: 4833418.0/83

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

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

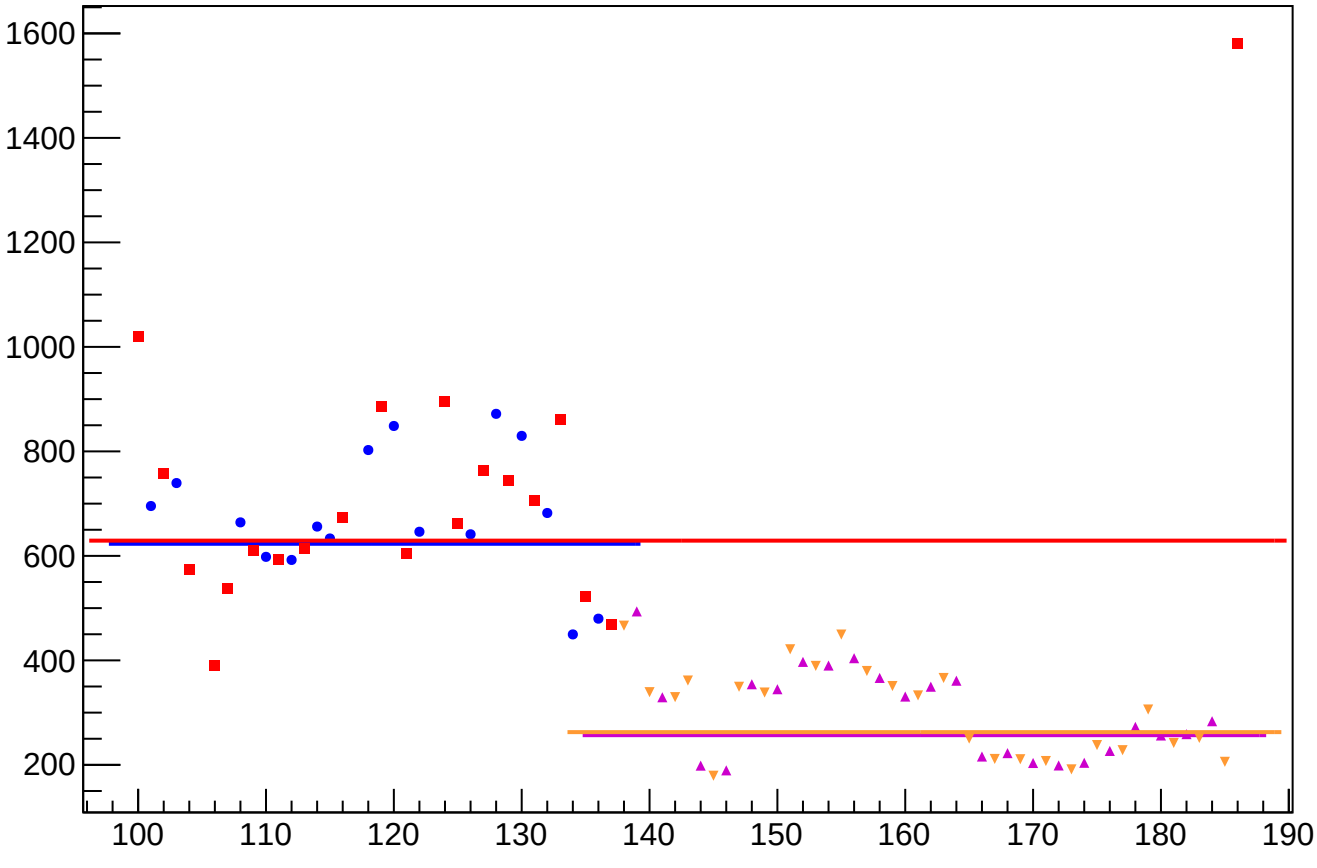
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 124.525+/-166.676 χ^2/NDF: 44.5/35

In: 6.538+/-60.613 χ^2/NDF:49.1/38

Out: -216.149+/-60.228 χ^2/NDF:100.4/44

All: -105.515+/-42.723 χ^2/NDF: 156.4/83



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

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

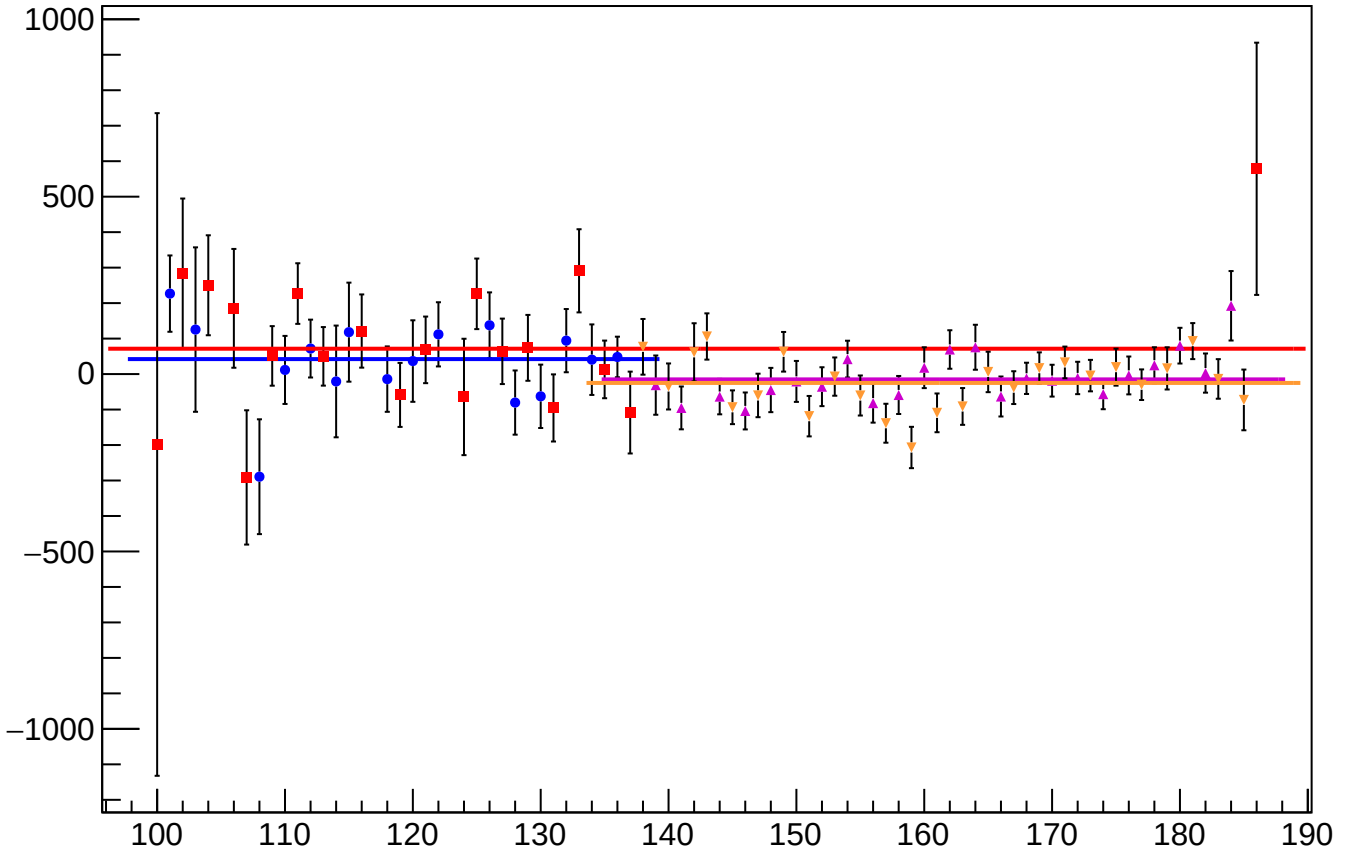
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 626.250+/-0.118 χ^2/NDF: 1474687.0/35

In: 280.507+/-0.043 χ^2/NDF:7619275.8/38

Out: 287.158+/-0.043 χ^2/NDF:8418000.8/44

All: 283.854+/-0.030 χ^2/NDF: 16049396.0/83



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

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

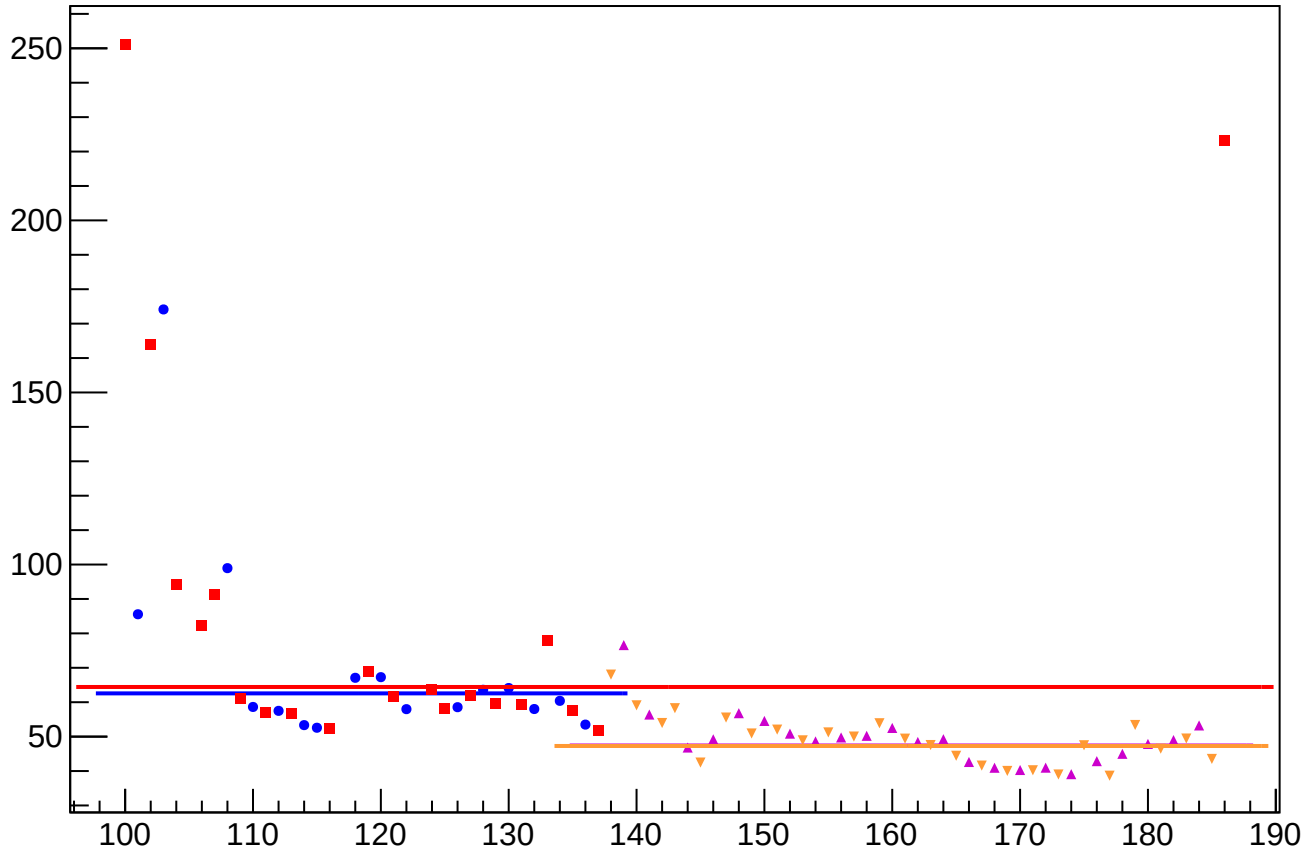
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 56.744+/-17.172 χ^2/NDF: 41.6/35

In: -4.879+/-10.178 χ^2/NDF:42.9/38

Out: -8.929+/-9.940 χ^2/NDF:83.5/44

All: -6.952+/-7.111 χ^2/NDF: 126.4/83



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

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

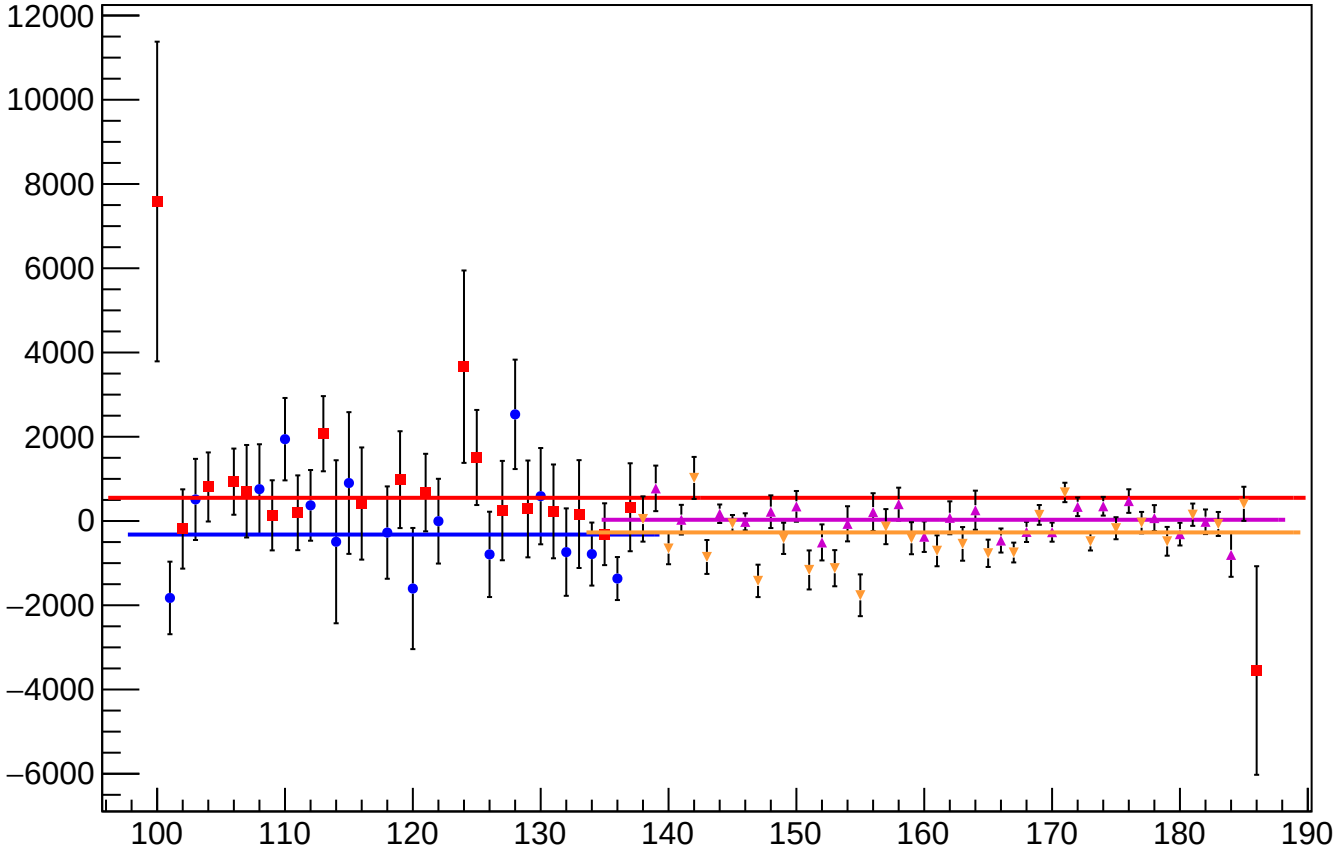
Right: 63.489+/-0.012 χ^2/NDF: 1996953.8/35

In: 50.102+/-0.007 χ^2/NDF:2058423.5/38

Out: 50.137+/-0.007 χ^2/NDF:2774982.2/44

All: 50.120+/-0.005 χ^2/NDF: 4833418.0/83

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -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

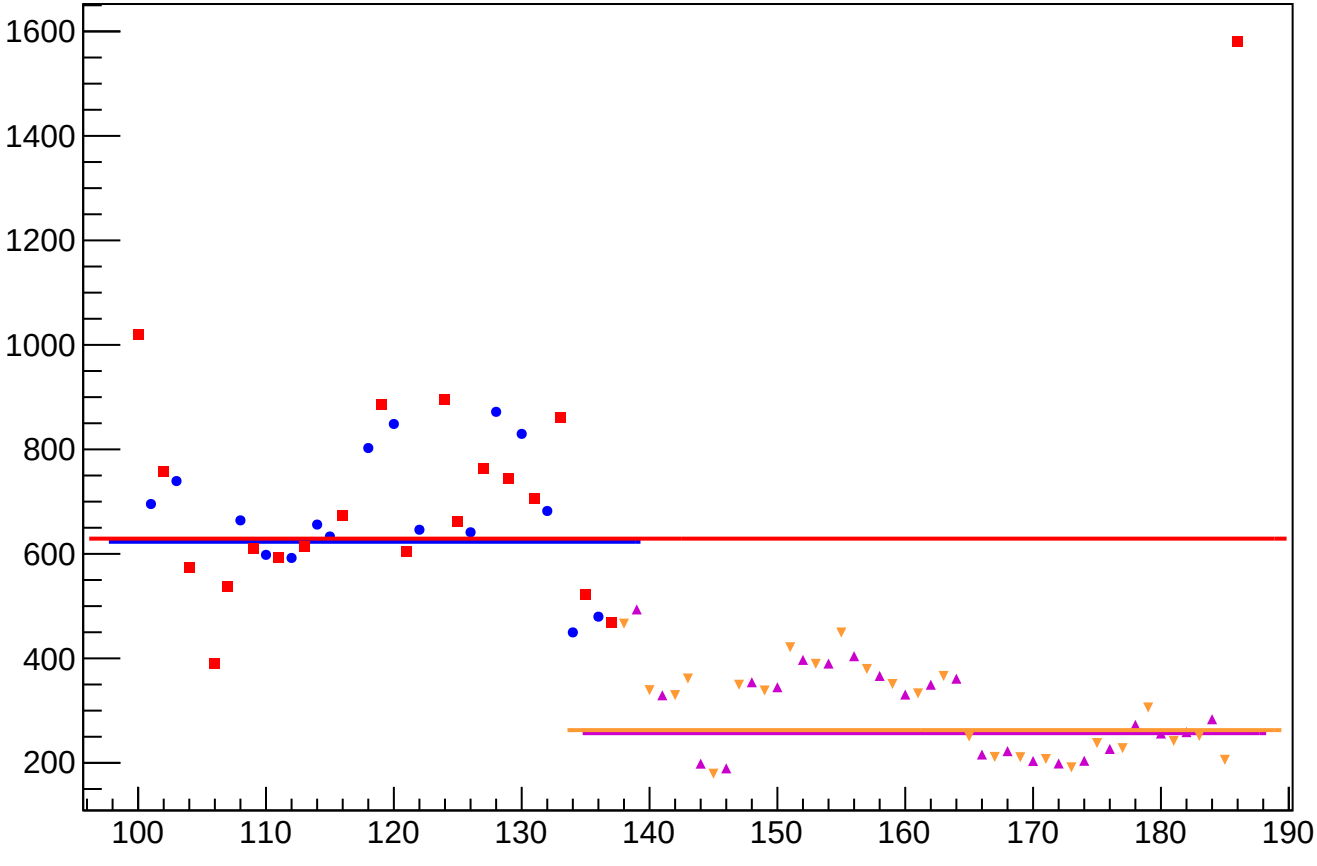
Right: 124.525+/-166.676 χ^2/NDF: 44.5/35

In: 6.538+/-60.613 χ^2/NDF:49.1/38

Out: -216.149+/-60.228 χ^2/NDF:100.4/44

All: -105.515+/-42.723 χ^2/NDF: 156.4/83

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 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

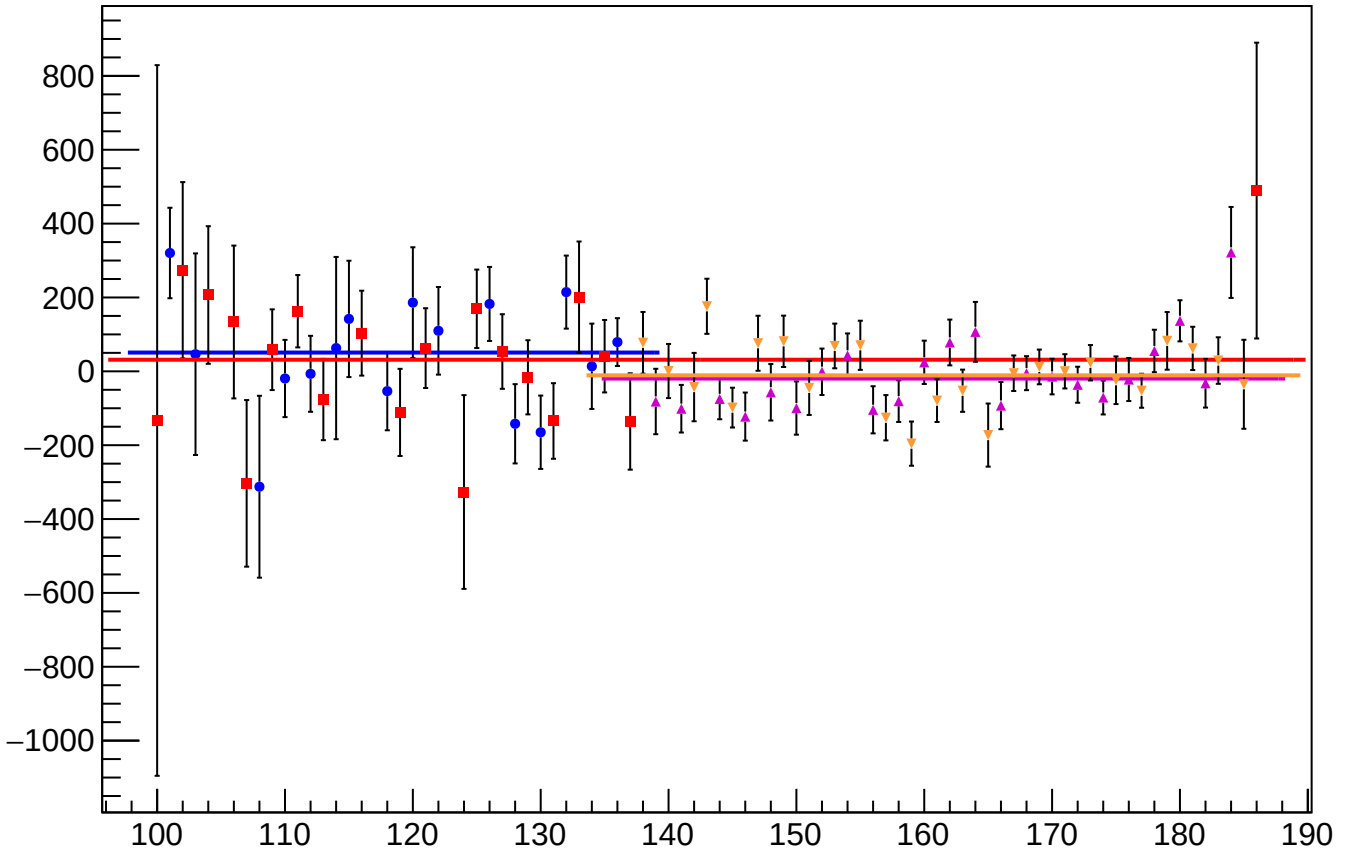
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 626.250+/-0.118 χ^2/NDF: 1474687.0/35

In: 280.507+/-0.043 χ^2/NDF:7619275.8/38

Out: 287.158+/-0.043 χ^2/NDF:8418000.8/44

All: 283.854+/-0.030 χ^2/NDF: 16049396.0/83



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

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

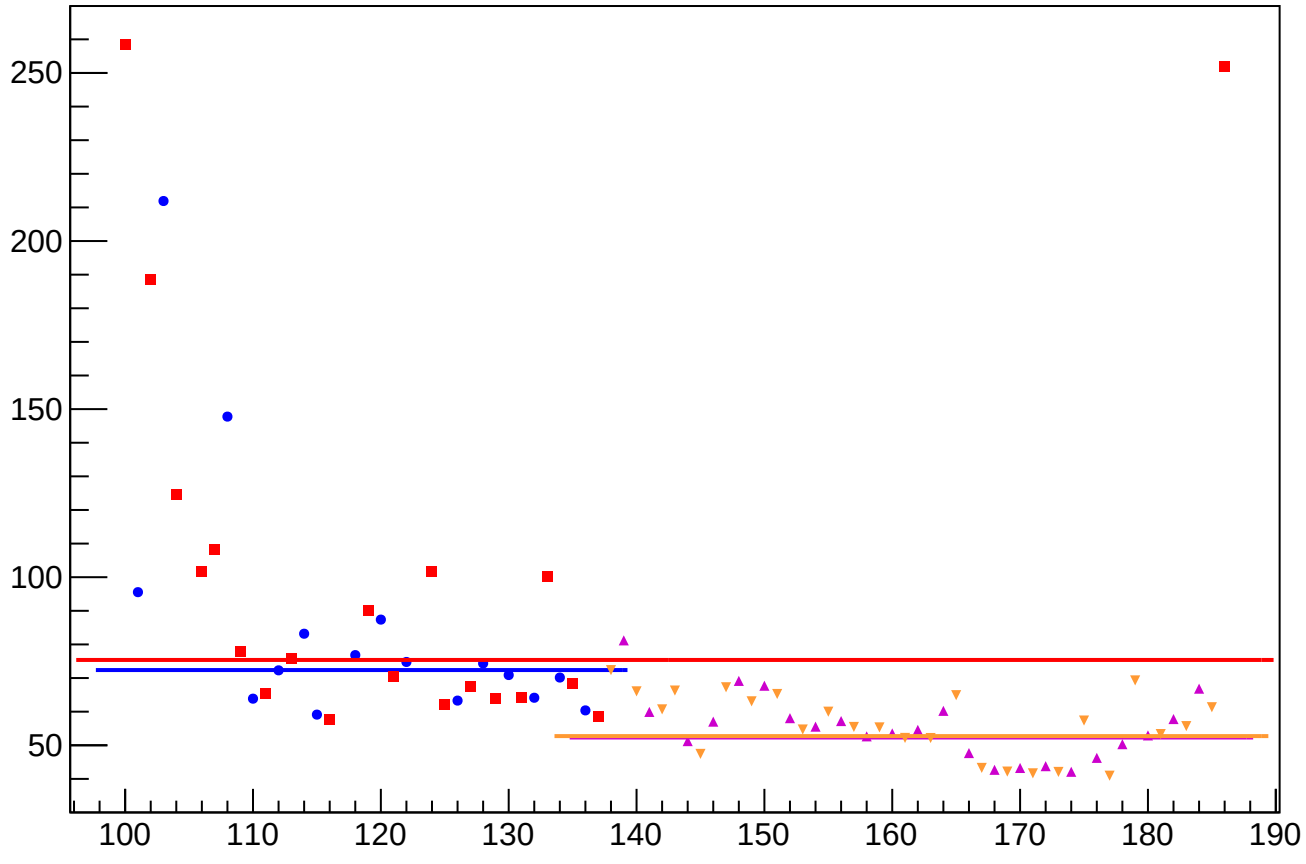
Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

Right: 41.309+/-20.203 χ^2/NDF: 42.9/35

In: -8.039+/-11.470 χ^2/NDF:64.8/38

Out: -4.314+/-11.318 χ^2/NDF:62.0/44

All: -6.152+/-8.057 χ^2/NDF: 126.9/83



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

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

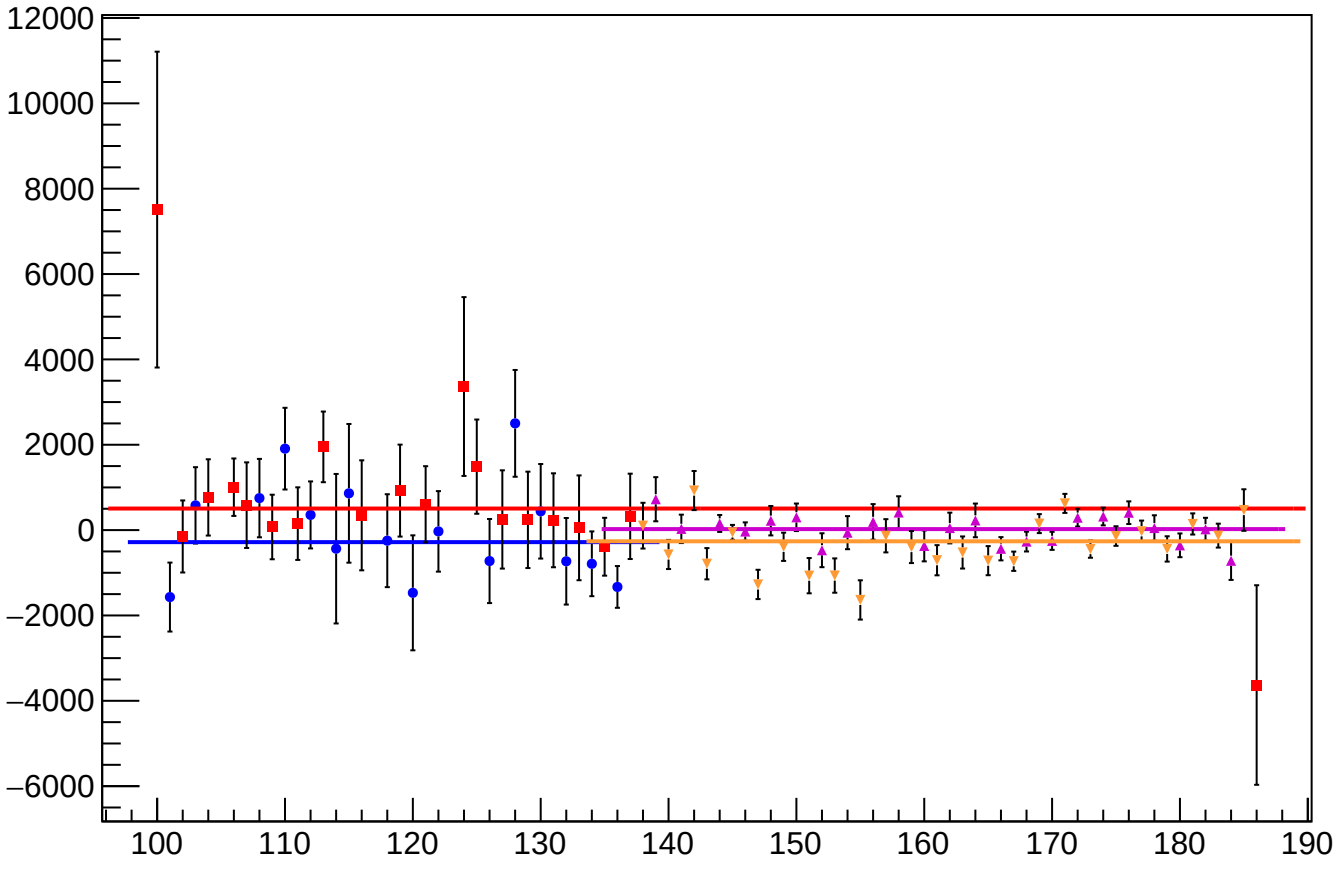
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 73.853+/-0.014 χ^2/NDF: 2392293.7/35

In: 55.606+/-0.008 χ^2/NDF:2669394.8/38

Out: 56.221+/-0.008 χ^2/NDF:3654397.8/44

All: 55.918+/-0.006 χ^2/NDF: 6326706.2/83



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

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

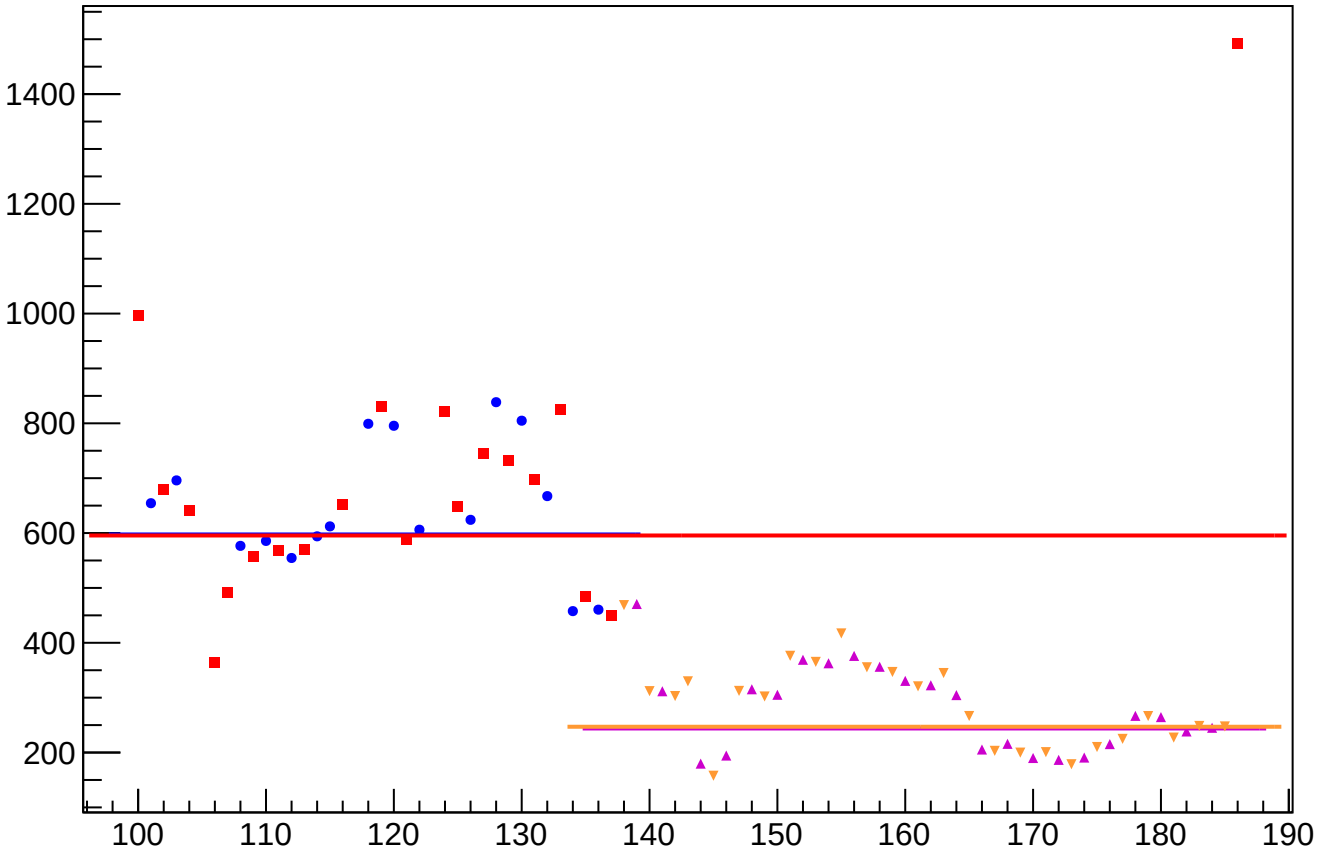
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 125.360+/-158.218 χ^2/NDF: 45.4/35

In: 4.020+/-57.475 χ^2/NDF:48.7/38

Out: -211.851+/-56.535 χ^2/NDF:100.0/44

All: -105.695+/-40.304 χ^2/NDF: 155.8/83



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

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

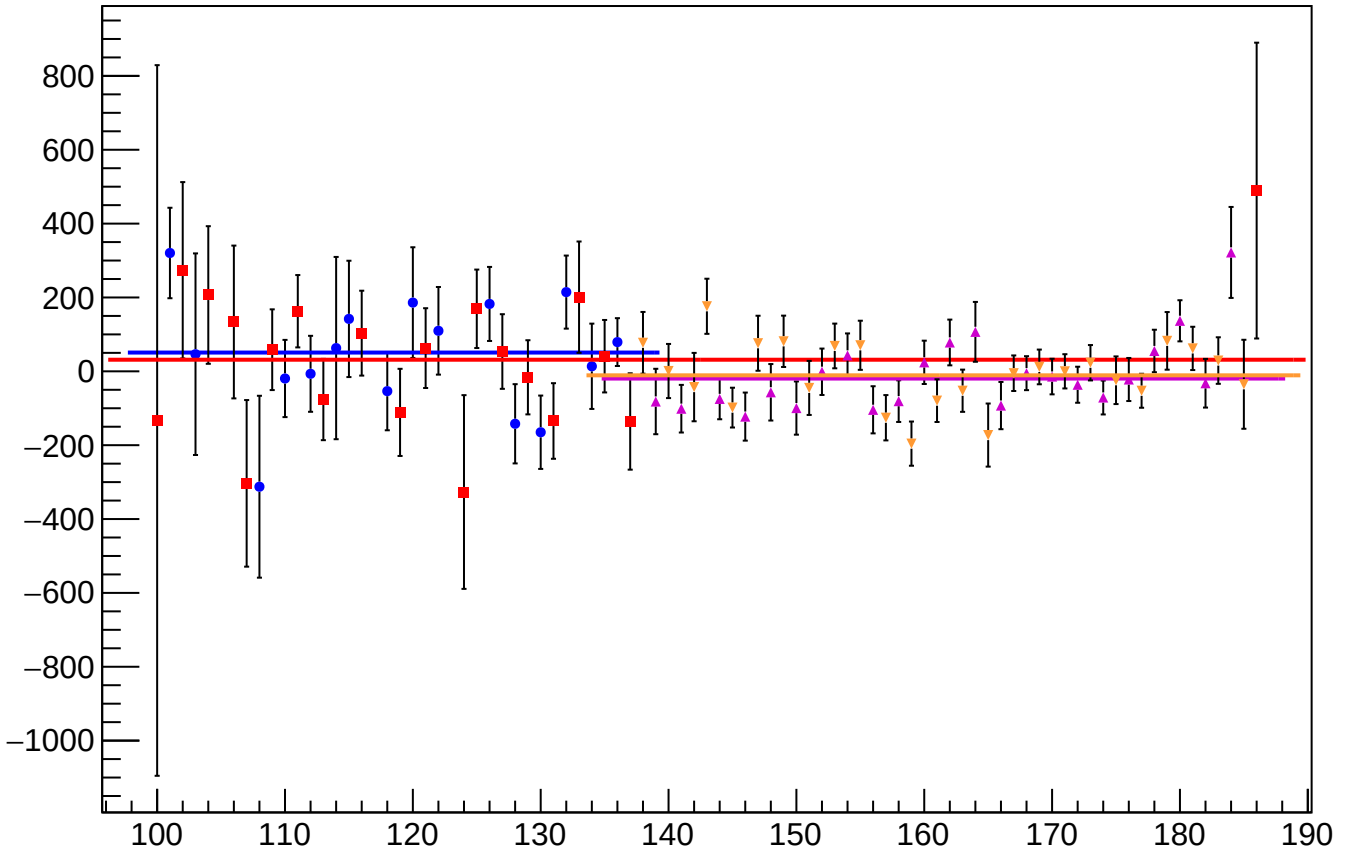
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 596.471+/-0.112 χ^2/NDF: 1519581.5/35

In: 266.337+/-0.041 χ^2/NDF:7537200.7/38

Out: 270.030+/-0.040 χ^2/NDF:8603621.1/44

All: 268.214+/-0.028 χ^2/NDF: 16145017.7/83



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

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

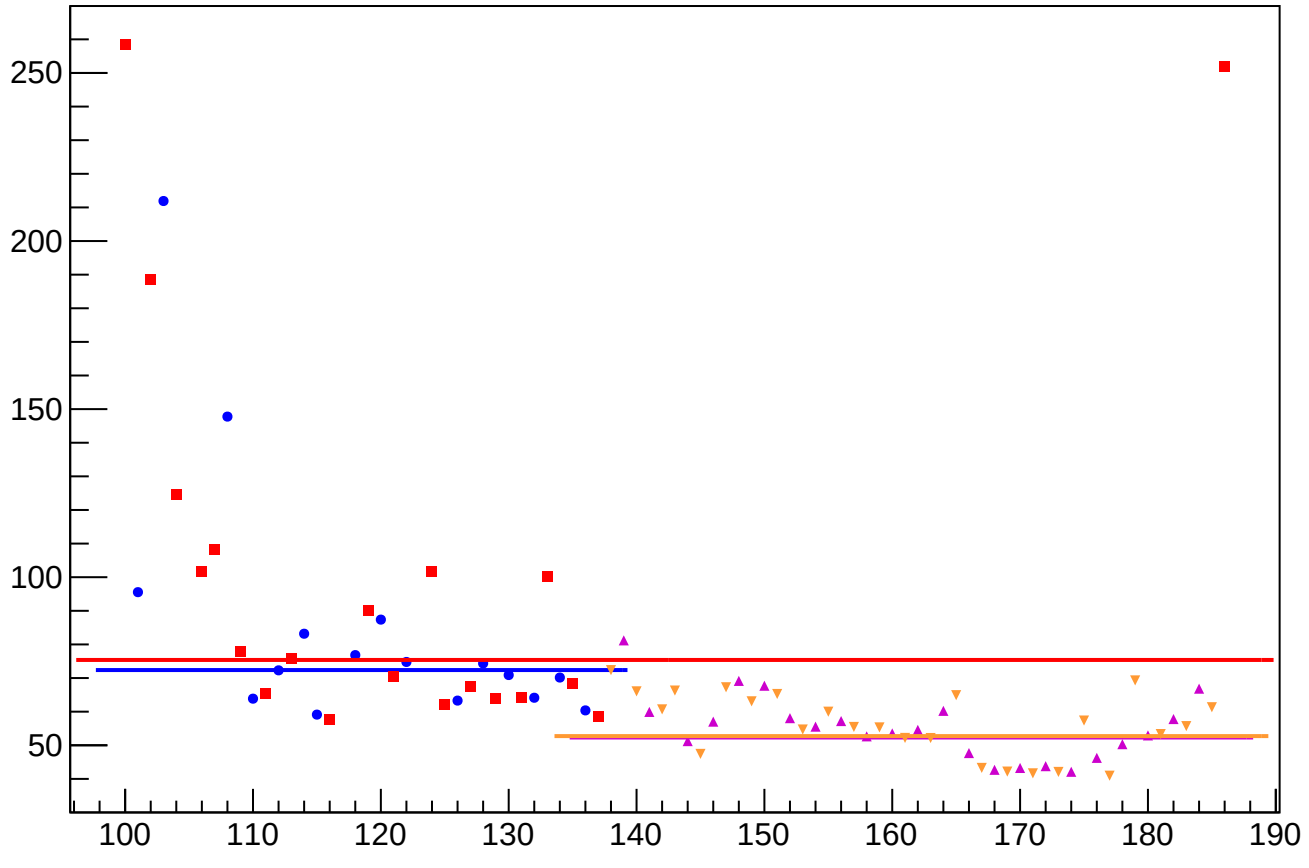
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 41.308+/-20.203 χ^2/NDF: 42.9/35

In: -8.039+/-11.470 χ^2/NDF:64.8/38

Out: -4.313+/-11.318 χ^2/NDF:62.0/44

All: -6.151+/-8.057 χ^2/NDF: 126.9/83



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

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

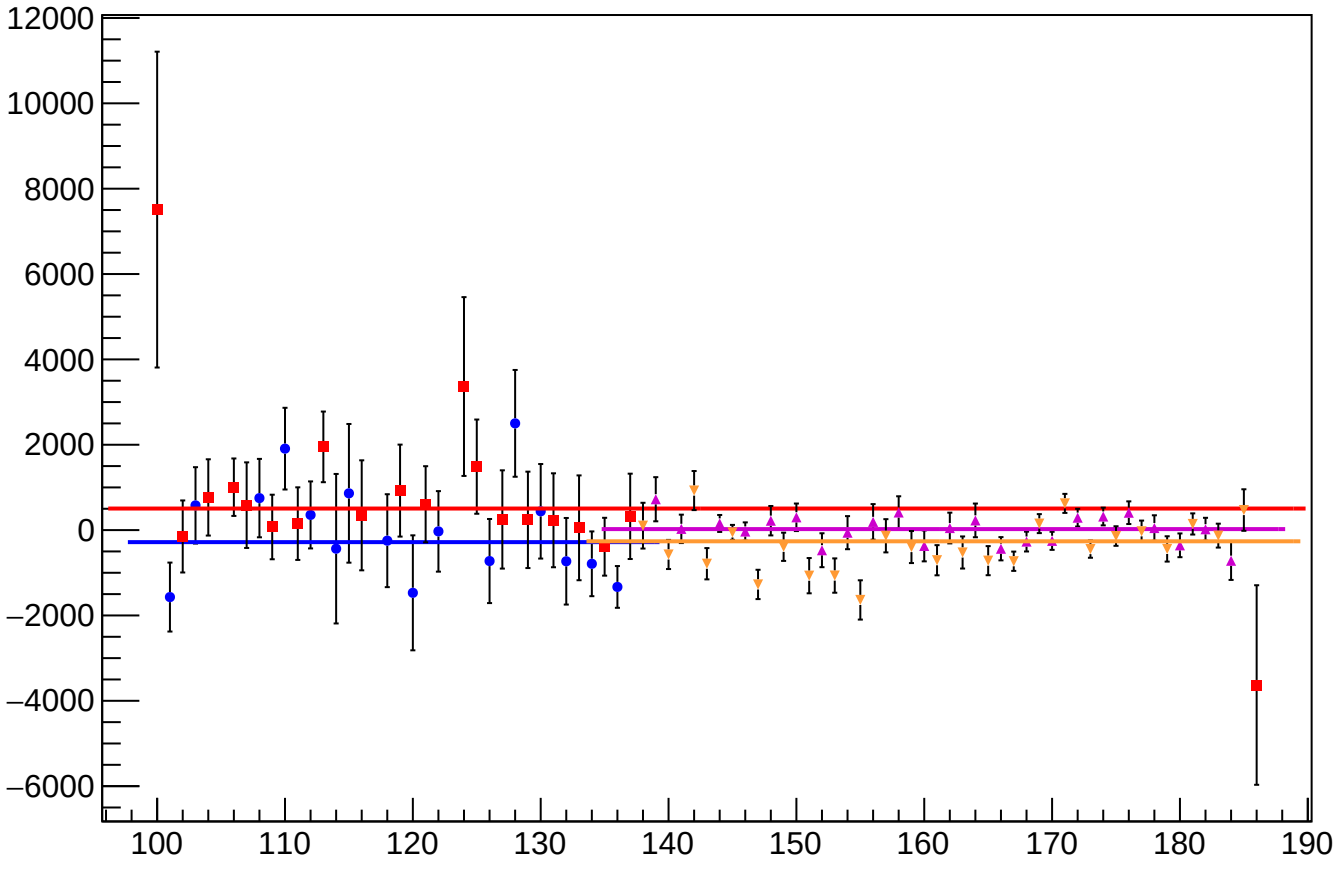
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 73.853+/-0.014 χ^2/NDF: 2392293.8/35

In: 55.606+/-0.008 χ^2/NDF:2669393.6/38

Out: 56.221+/-0.008 χ^2/NDF:3654409.2/44

All: 55.918+/-0.006 χ^2/NDF: 6326716.7/83



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

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

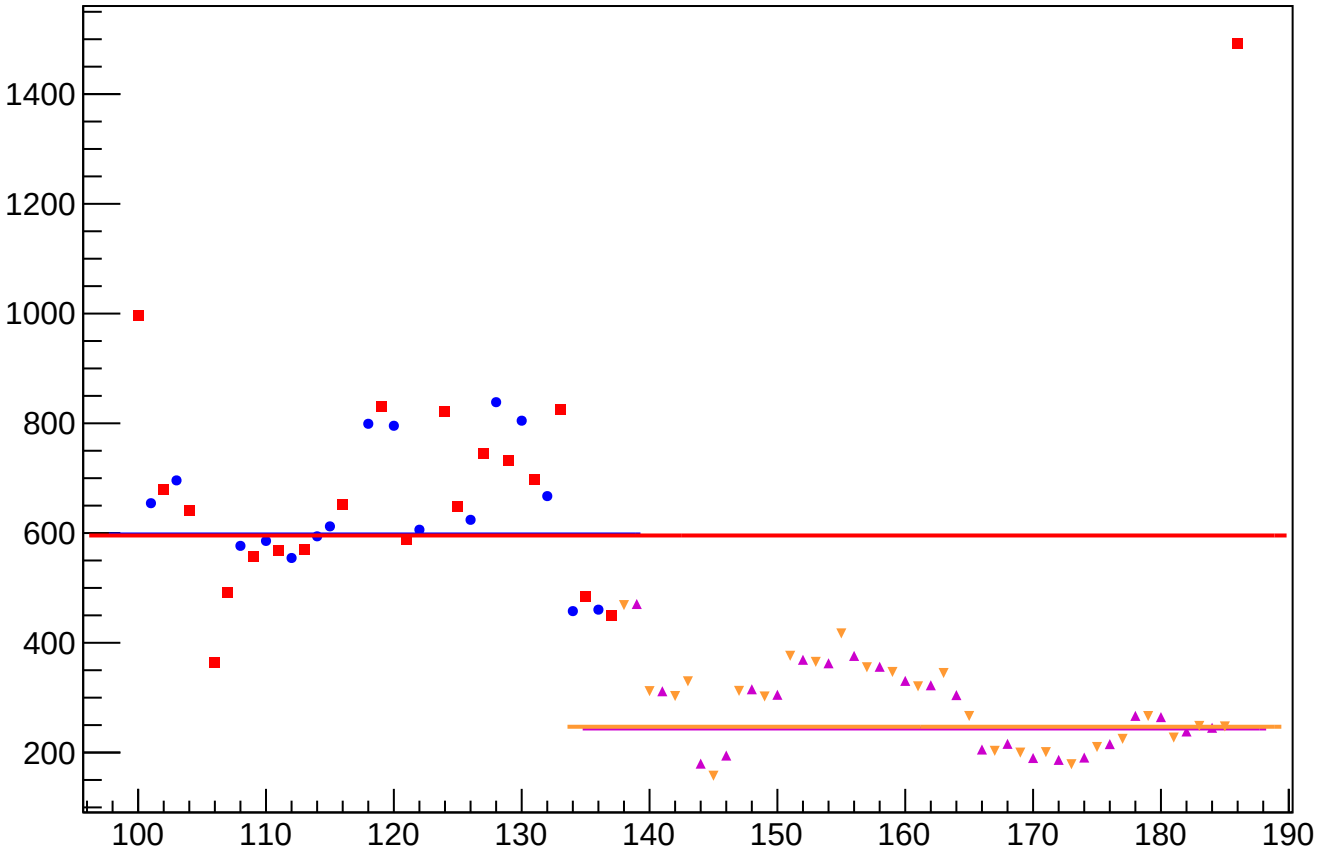
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 125.361+/-158.218 χ^2/NDF: 45.4/35

In: 4.019+/-57.475 χ^2/NDF:48.7/38

Out: -211.851+/-56.535 χ^2/NDF:100.0/44

All: -105.696+/-40.304 χ^2/NDF: 155.8/83



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

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

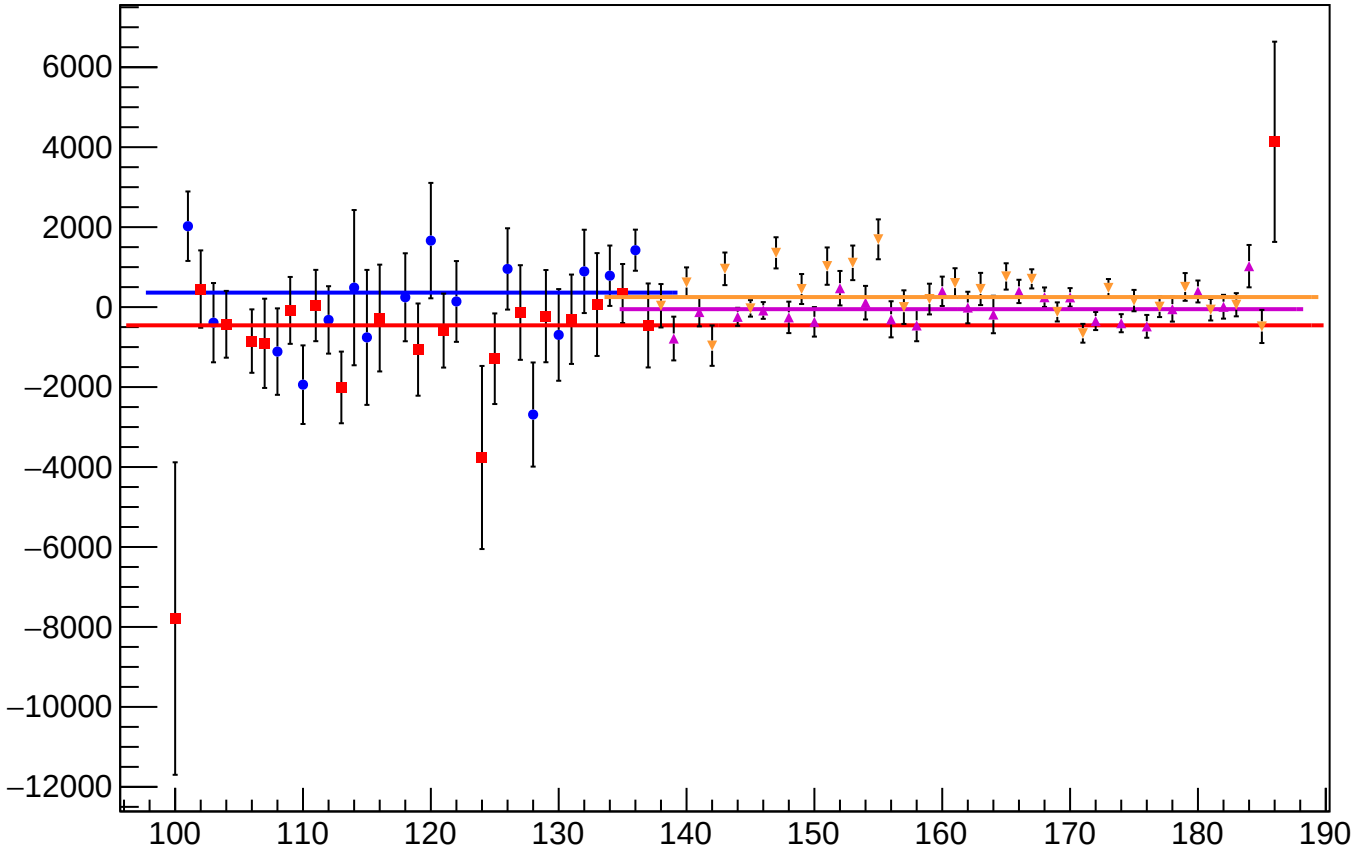
Right: 596.470+/-0.112 χ^2/NDF: 1519577.0/35

In: 266.337+/-0.041 χ^2/NDF:7537201.5/38

Out: 270.030+/-0.040 χ^2/NDF:8603606.0/44

All: 268.214+/-0.028 χ^2/NDF: 16145003.8/83

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

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

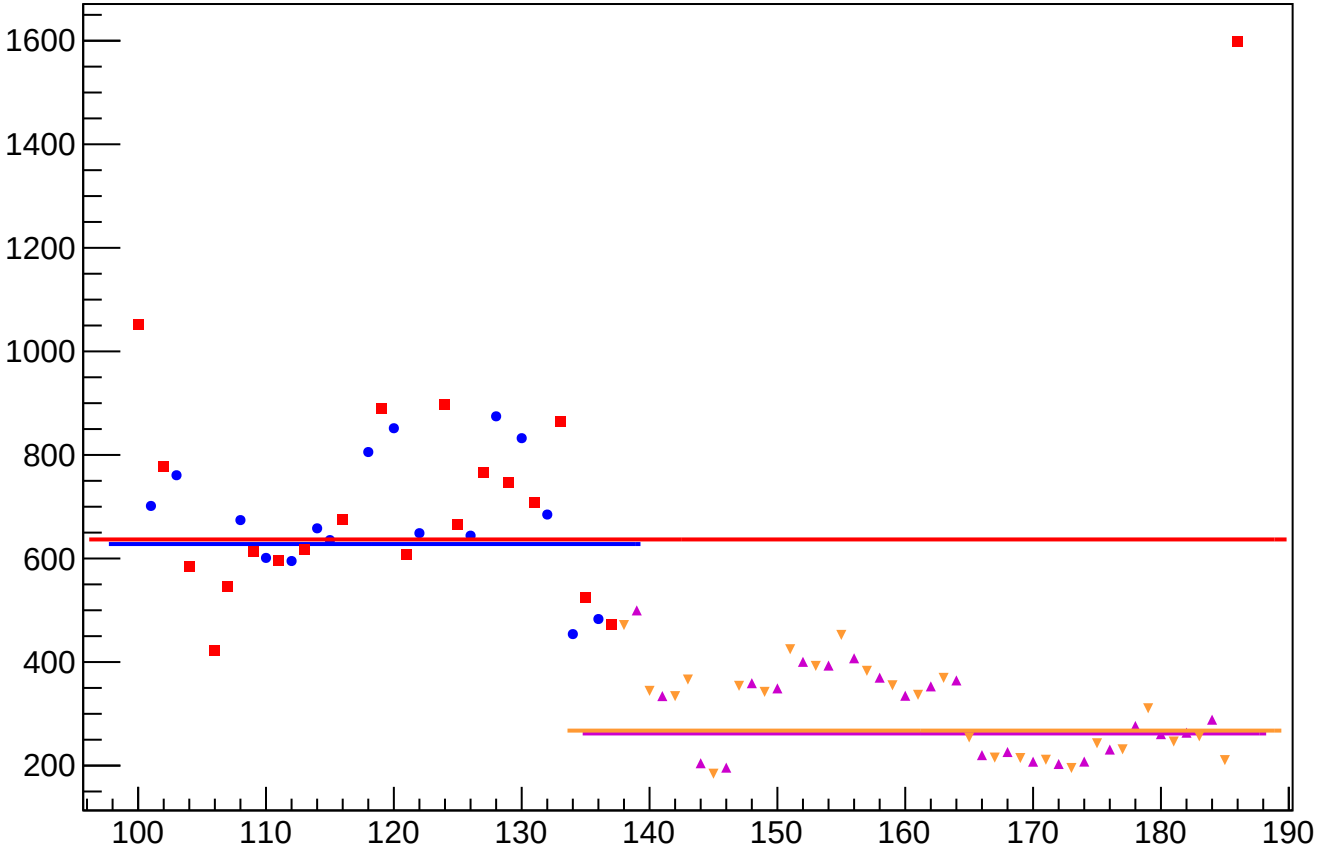
Right: -55.888+/-168.009 χ^2/NDF: 47.1/35

In: -24.406+/-61.703 χ^2/NDF:54.6/38

Out: 203.106+/-61.233 χ^2/NDF:92.1/44

All: 90.220+/-43.463 χ^2/NDF: 153.5/83

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

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

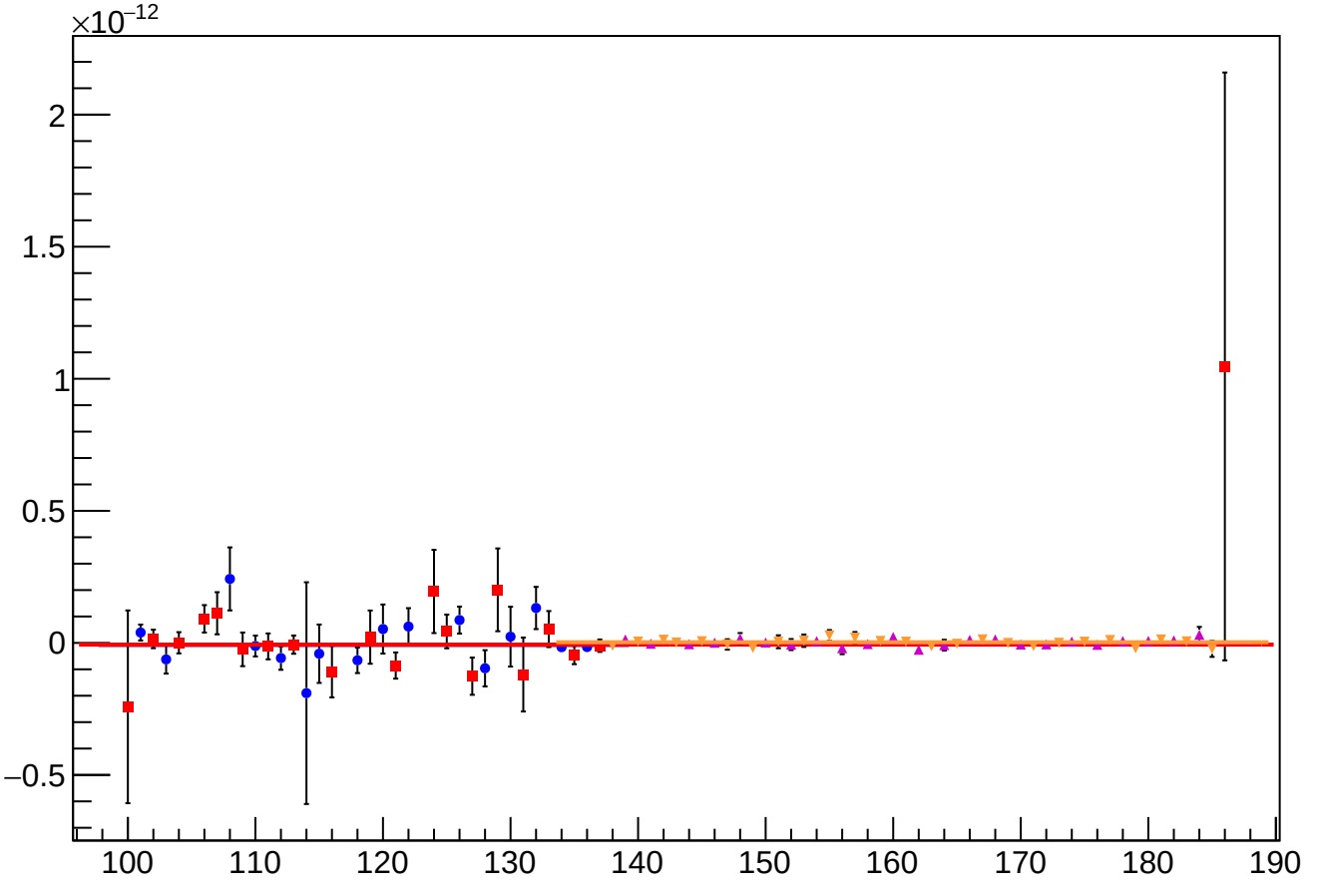
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 632.443+/-0.119 χ^2/NDF: 1436658.0/35

In: 286.210+/-0.044 χ^2/NDF:7433250.7/38

Out: 292.658+/-0.043 χ^2/NDF:8271769.6/44

All: 289.459+/-0.031 χ^2/NDF: 15716024.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

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

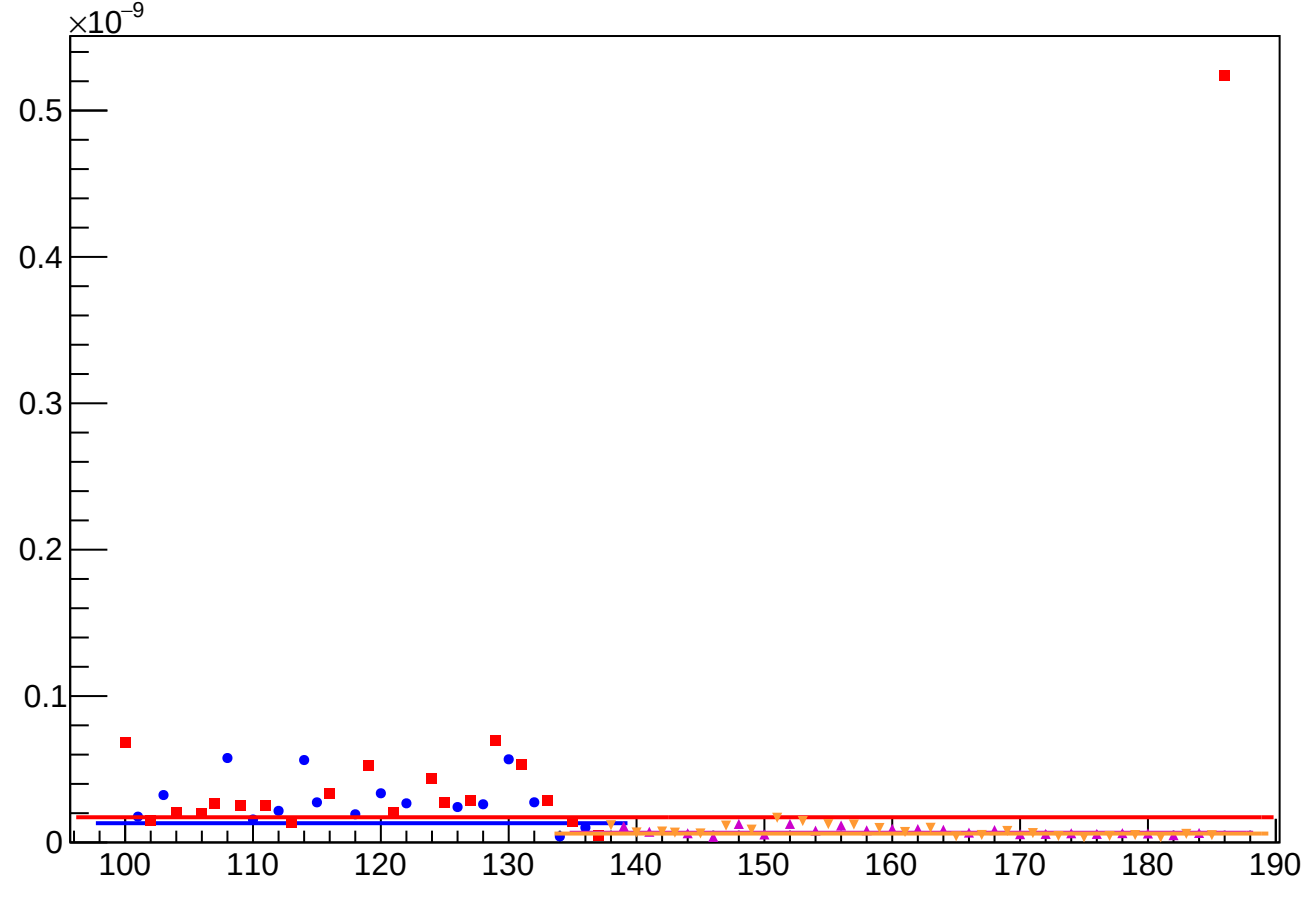
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.8/35

In: 0.000+/-0.000 χ^2/NDF:34.1/38

Out: 0.000+/-0.000 χ^2/NDF:36.7/44

All: 0.000+/-0.000 χ^2/NDF: 71.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

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

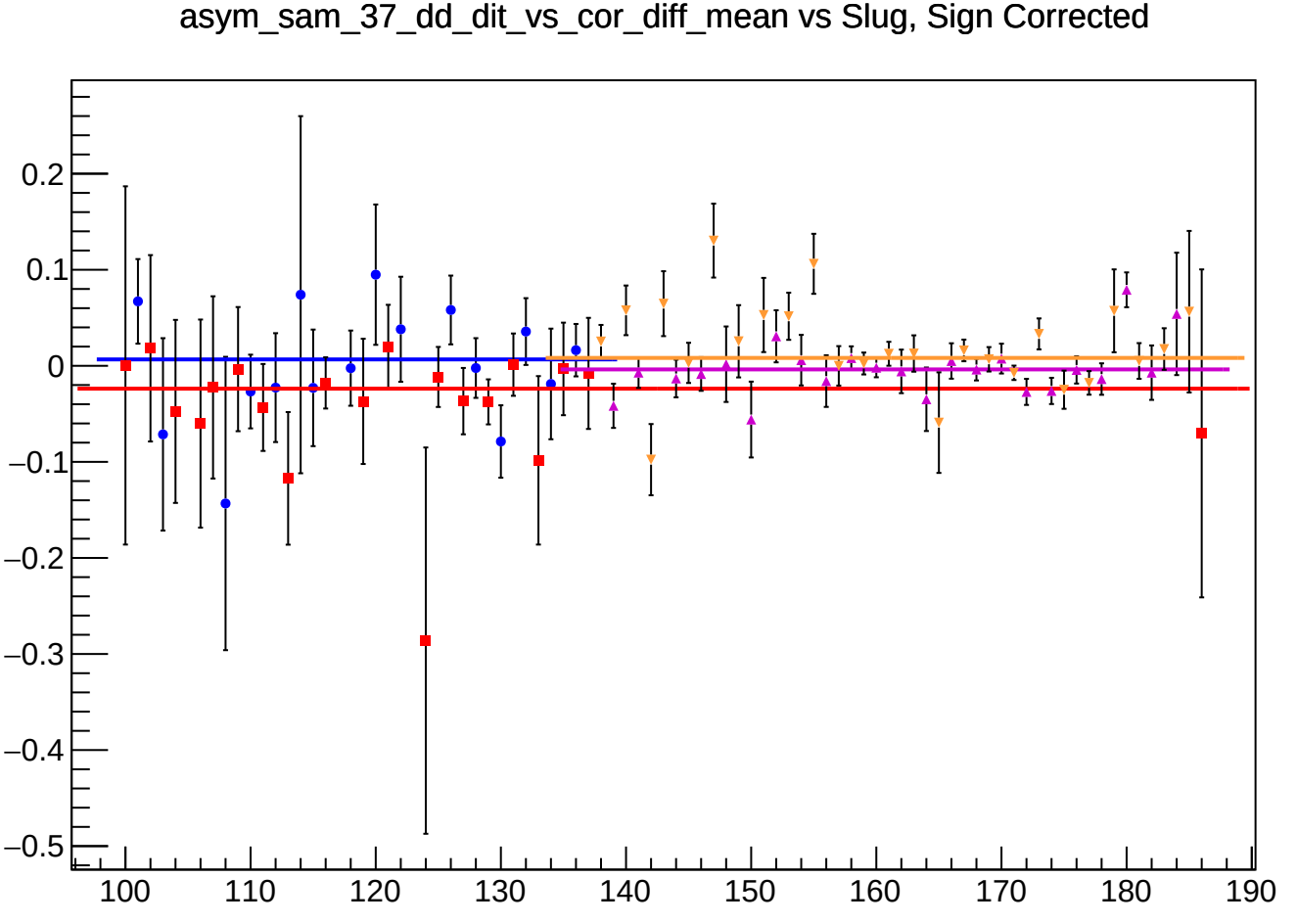
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

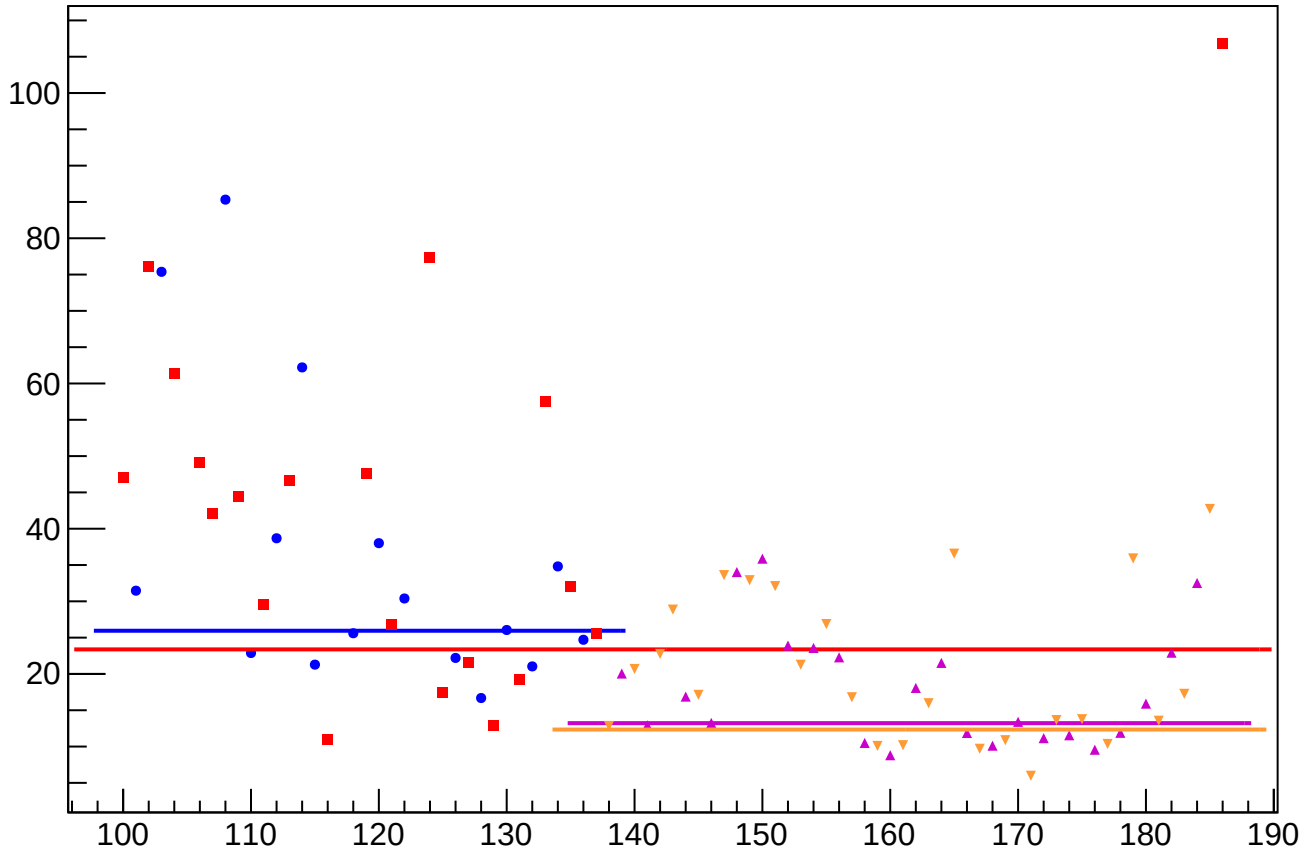
Right: 0.000+/-0.000 χ^2/NDF: 4293498.4/35

In: 0.000+/-0.000 χ^2/NDF:4155689.1/38

Out: 0.000+/-0.000 χ^2/NDF:6259812.9/44

All: 0.000+/-0.000 χ^2/NDF: 10466523.1/83


asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.008+/-0.003 χ²/NDF:58.8/24
Right Out: -0.024+/-0.010 χ²/NDF: 7.6/19
Left In: -0.004+/-0.004 χ²/NDF:37.2/22
Left: 0.003+/-0.003 χ²/NDF: 101.7/47
Right: -0.009+/-0.008 χ²/NDF: 26.6/35
In: -0.003+/-0.003 χ²/NDF:53.0/38
Out: 0.005+/-0.003 χ²/NDF:74.8/44
All: 0.001+/-0.002 χ²/NDF: 130.5/83



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

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

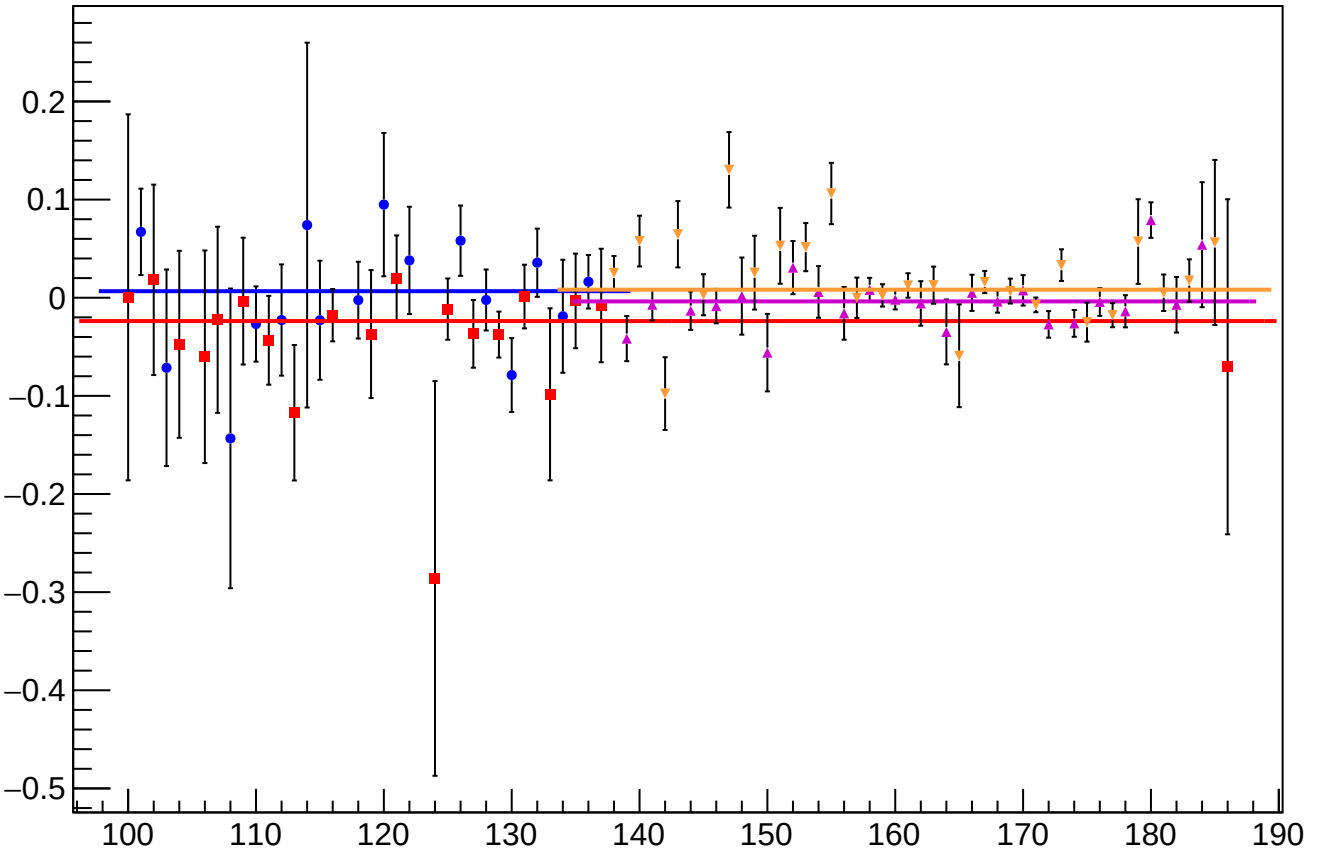
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 24.591+/-0.005 χ^2/NDF: 5278622.1/35

In: 14.457+/-0.002 χ^2/NDF:7625847.5/38

Out: 13.424+/-0.002 χ^2/NDF:12584582.1/44

All: 13.914+/-0.002 χ^2/NDF: 20304431.0/83



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

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

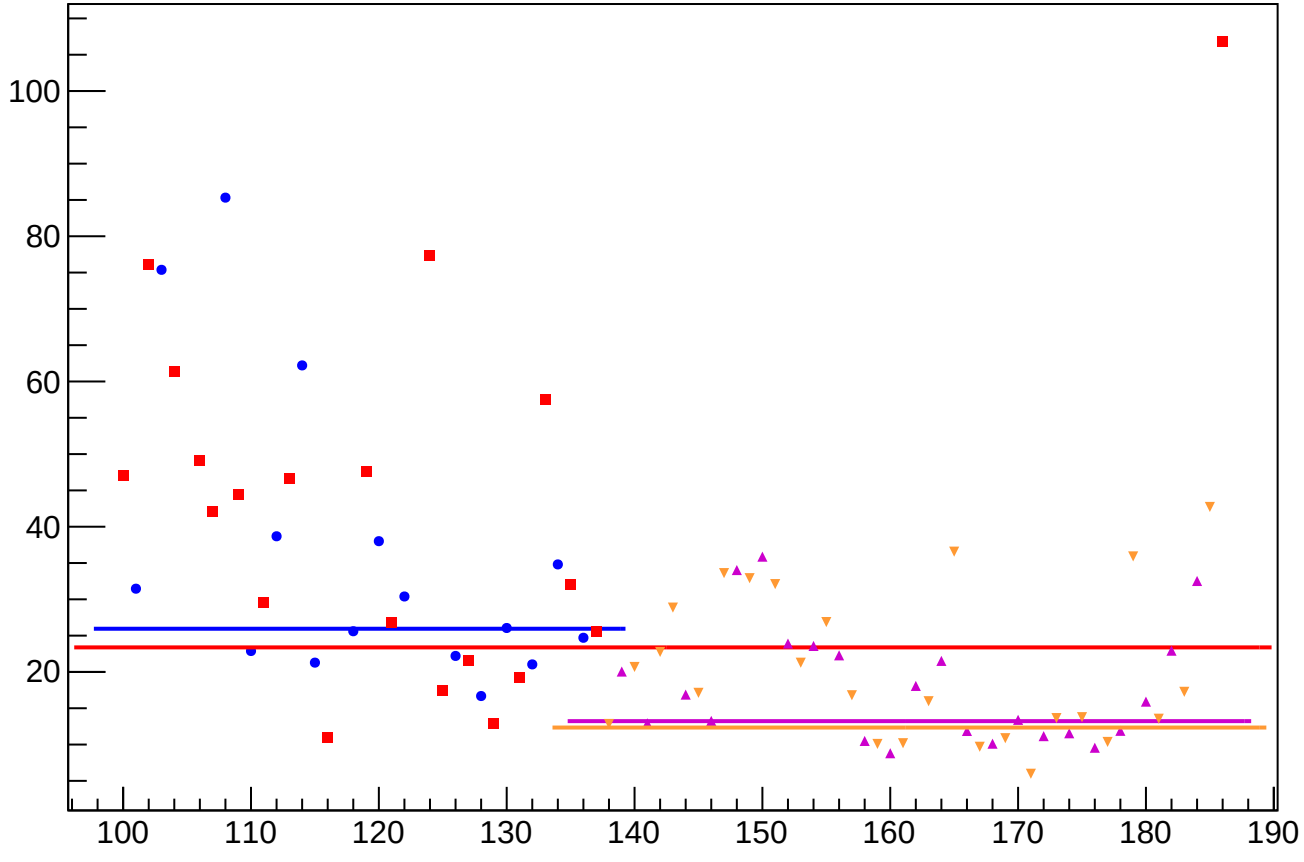
Right: -0.009+/-0.008 χ^2/NDF: 26.6/35

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 130.5/83

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

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

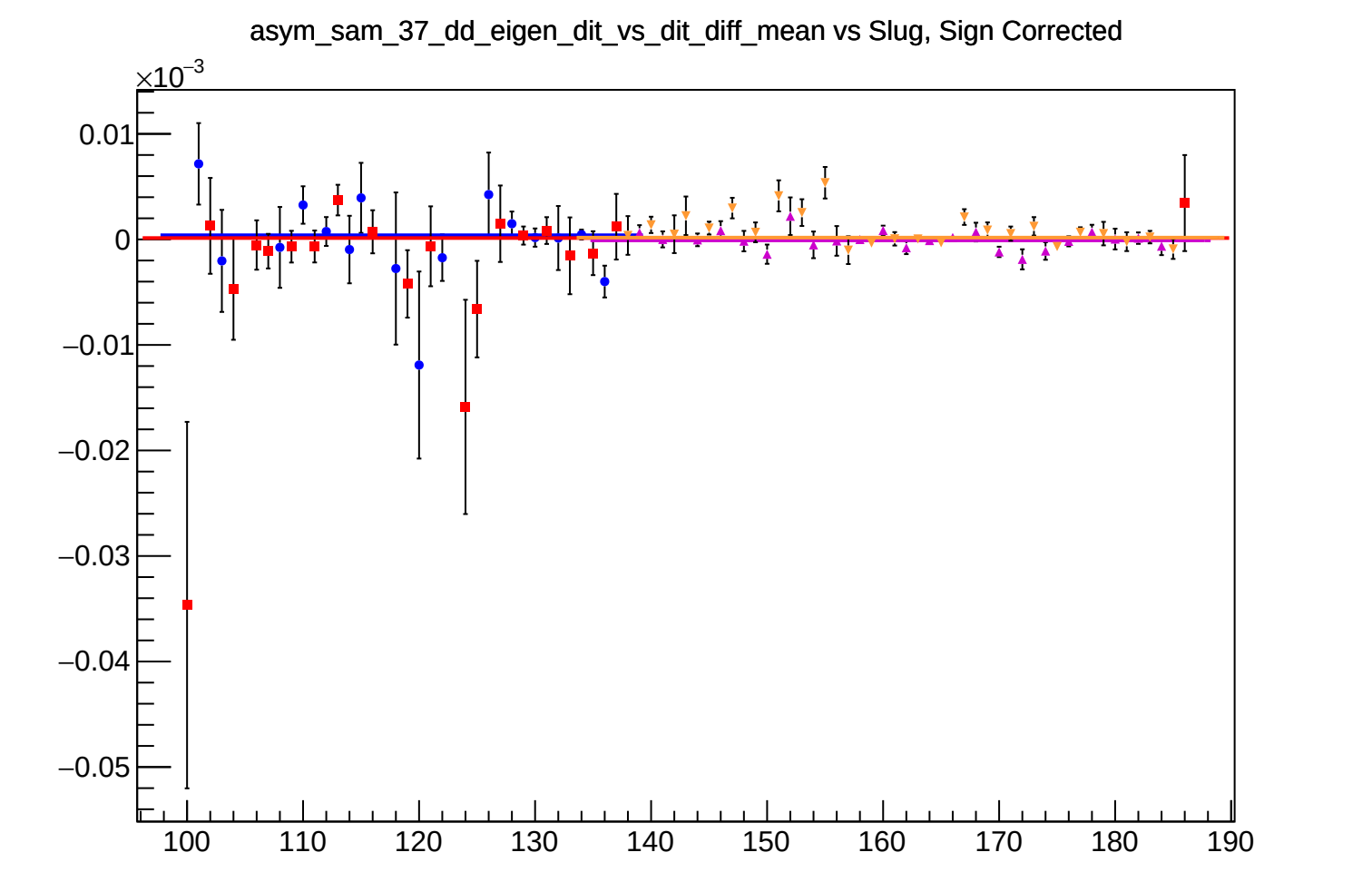
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 24.591+/-0.005 χ^2/NDF: 5278622.1/35

In: 14.457+/-0.002 χ^2/NDF:7625847.5/38

Out: 13.424+/-0.002 χ^2/NDF:12584582.1/44

All: 13.914+/-0.002 χ^2/NDF: 20304431.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

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

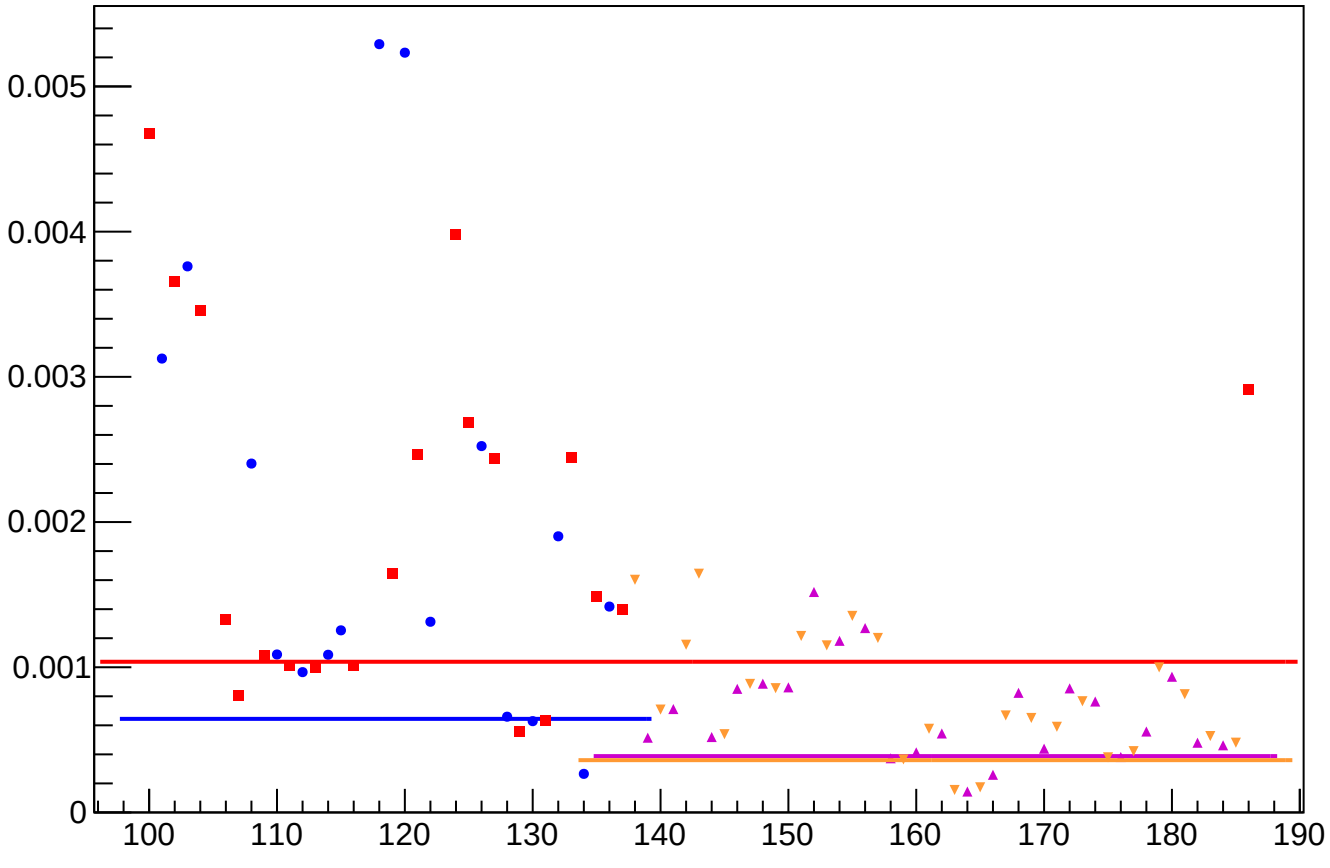
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/35

In: -0.000+/-0.000 χ^2/NDF:47.1/38

Out: 0.000+/-0.000 χ^2/NDF:82.5/44

All: 0.000+/-0.000 χ^2/NDF: 131.6/83



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

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

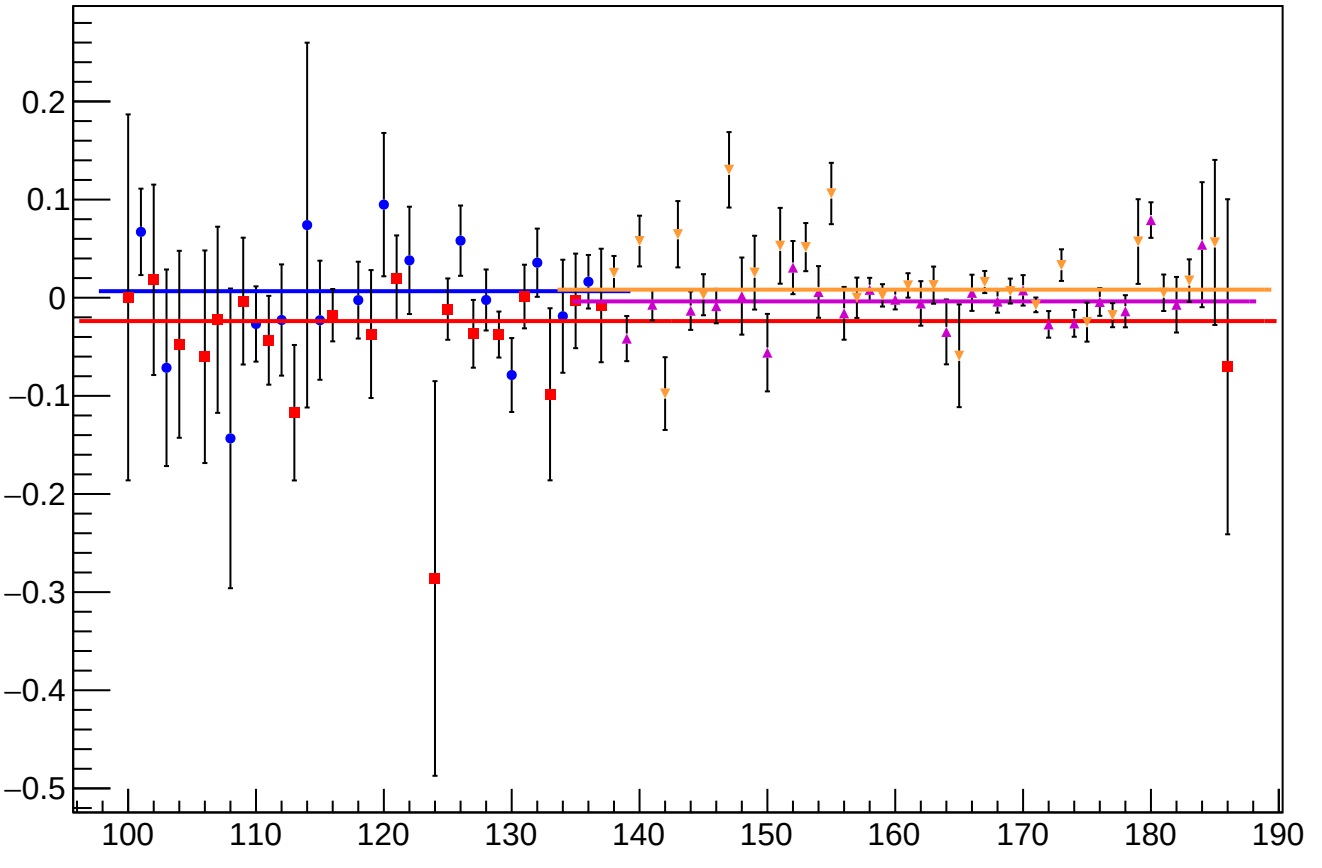
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 11559120.7/35

In: 0.000+/-0.000 χ^2/NDF:18060950.5/38

Out: 0.000+/-0.000 χ^2/NDF:22365519.3/44

All: 0.000+/-0.000 χ^2/NDF: 40456027.8/83



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

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

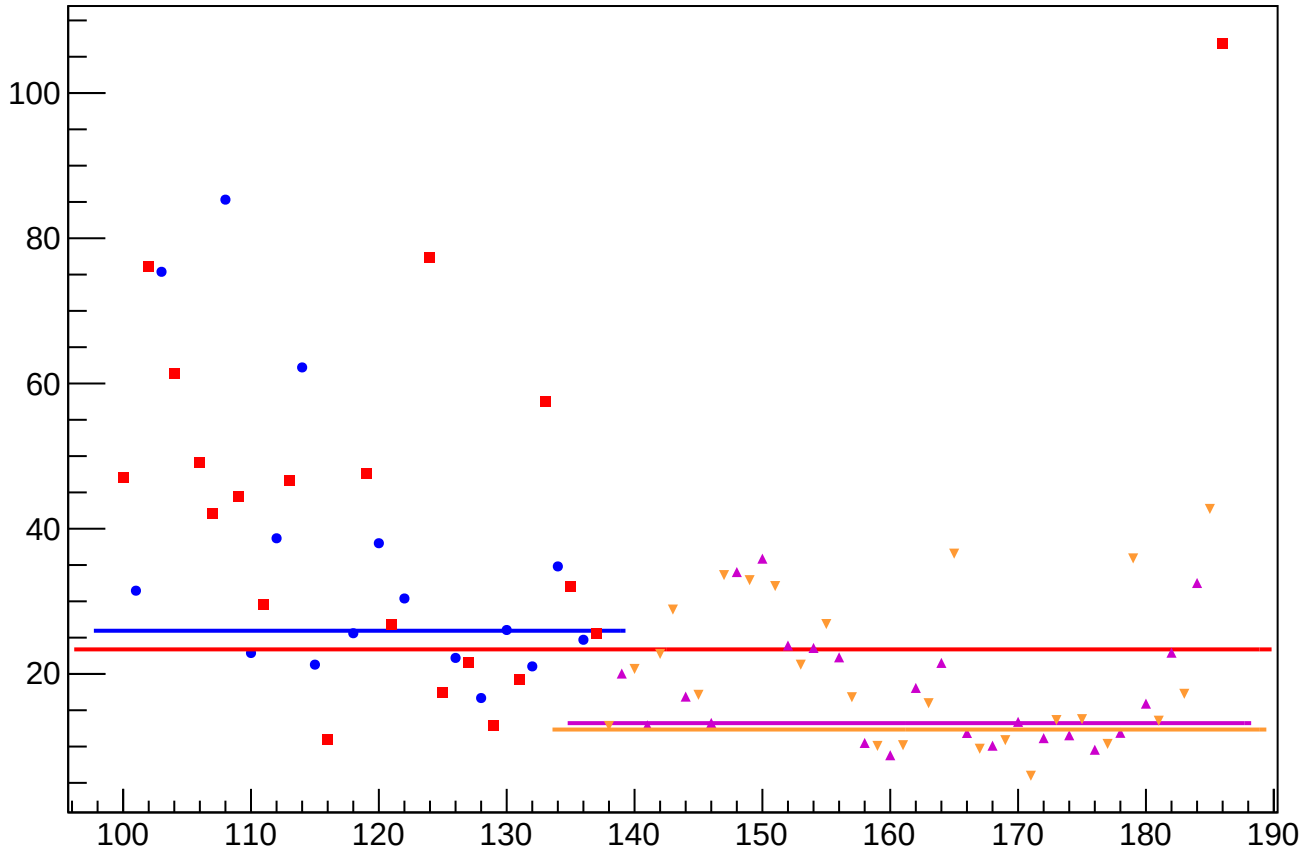
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.009+/-0.008 χ^2/NDF: 26.6/35

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 130.5/83



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

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

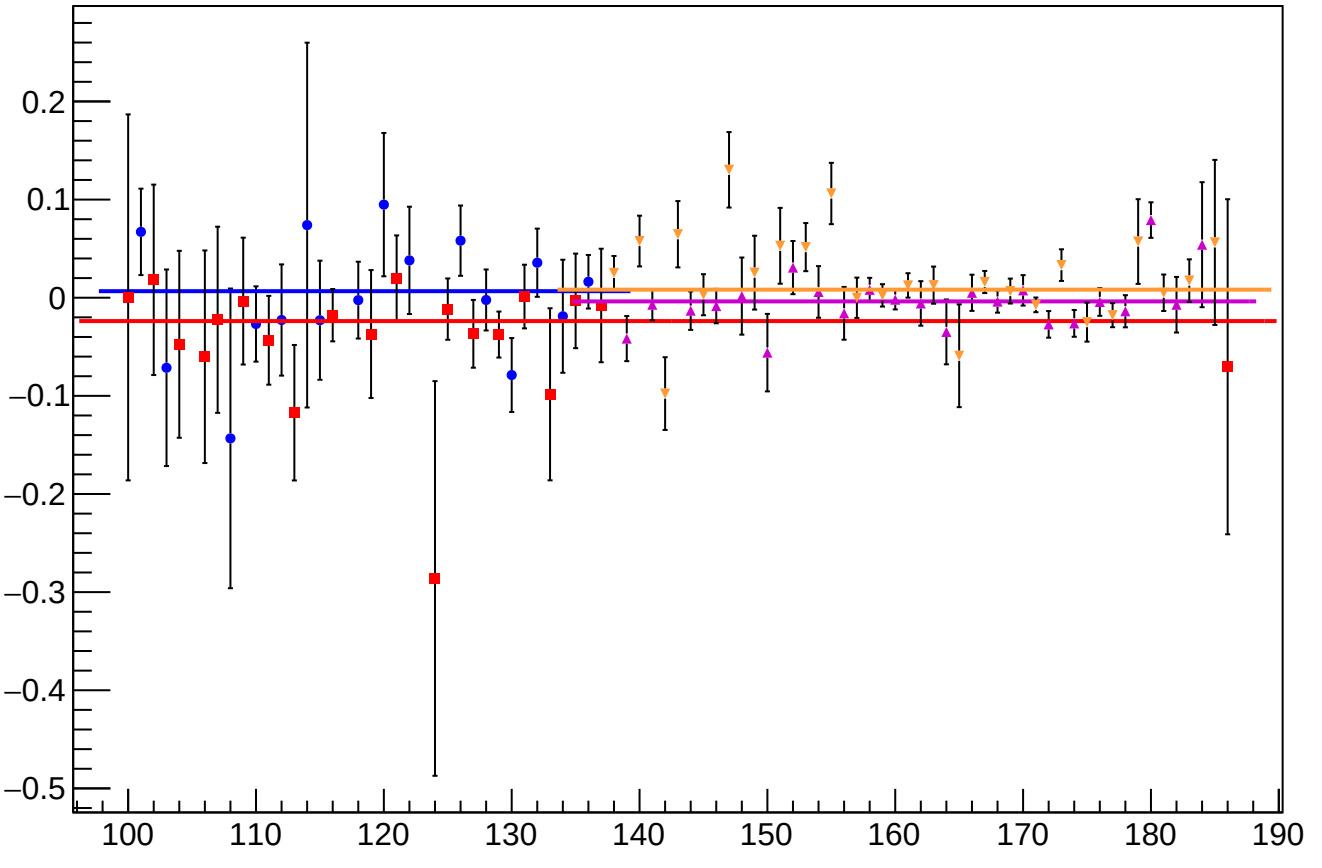
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 24.592+/-0.005 χ^2/NDF: 5278398.0/35

In: 14.457+/-0.002 χ^2/NDF:7626038.2/38

Out: 13.424+/-0.002 χ^2/NDF:12584748.7/44

All: 13.914+/-0.002 χ^2/NDF: 20304778.2/83



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

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

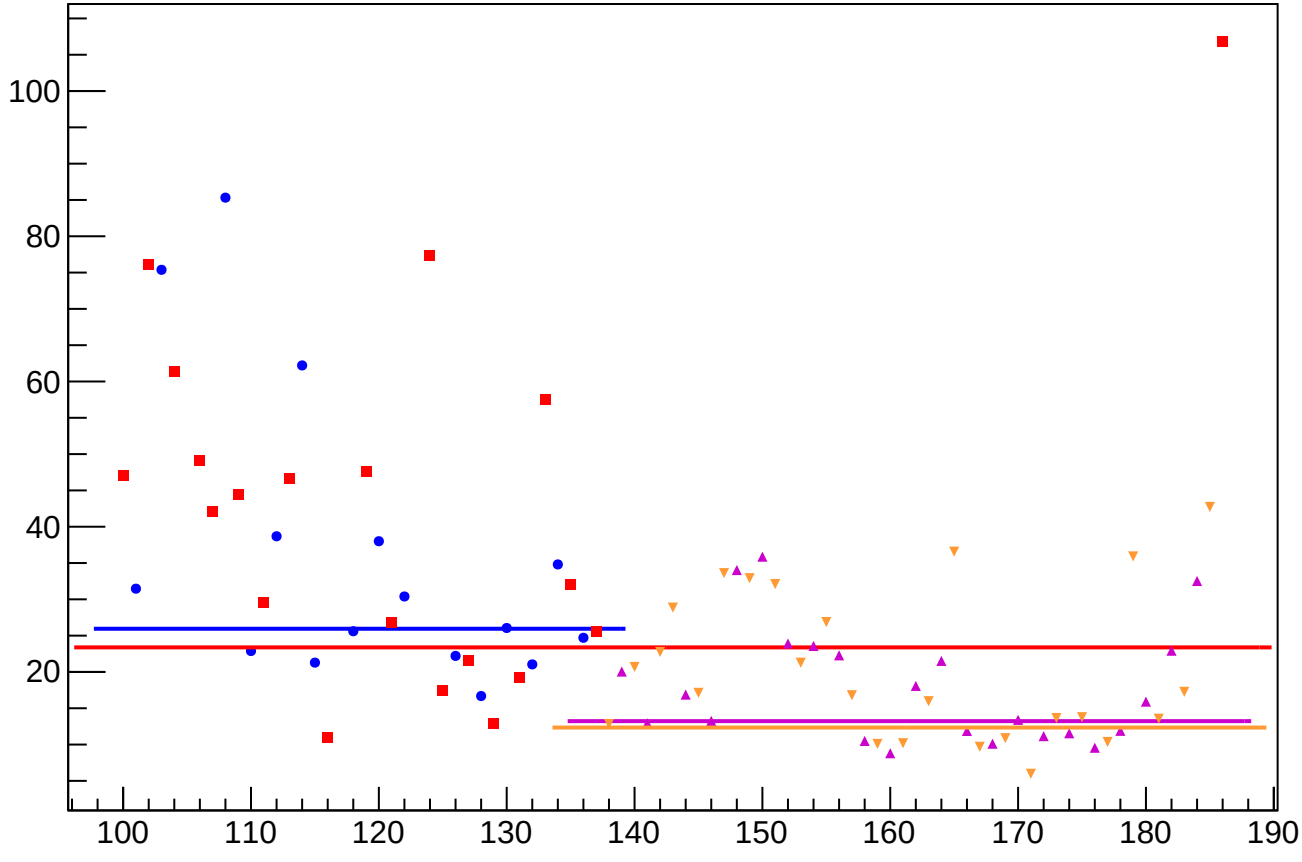
Right: -0.009+/-0.008 χ^2/NDF: 26.6/35

In: -0.003+/-0.003 χ^2/NDF:53.0/38

Out: 0.005+/-0.003 χ^2/NDF:74.8/44

All: 0.001+/-0.002 χ^2/NDF: 130.5/83

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.343+/-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

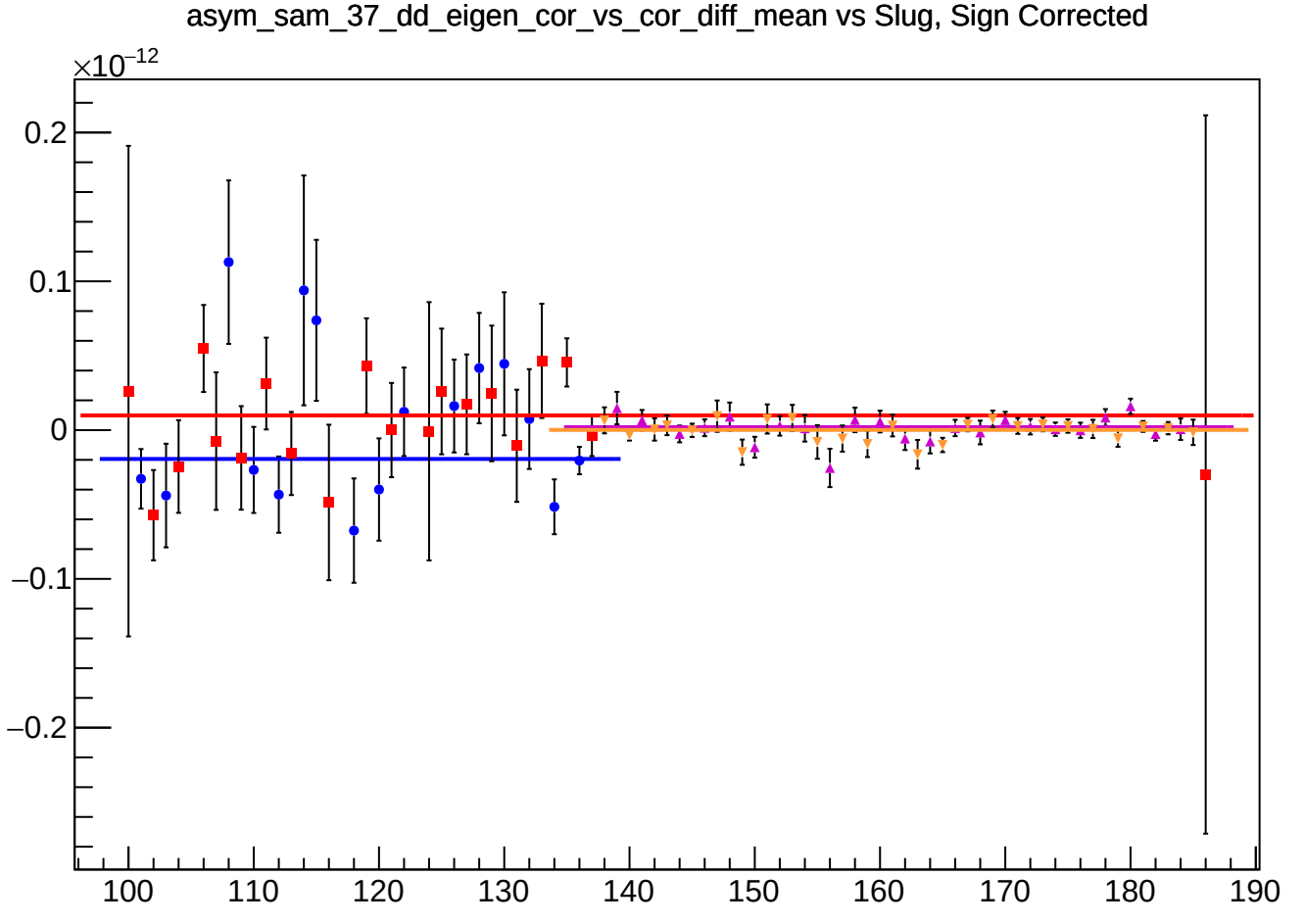
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 24.592+/-0.005 χ^2/NDF: 5278398.0/35

In: 14.457+/-0.002 χ^2/NDF:7626038.2/38

Out: 13.424+/-0.002 χ^2/NDF:12584748.7/44

All: 13.914+/-0.002 χ^2/NDF: 20304778.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

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

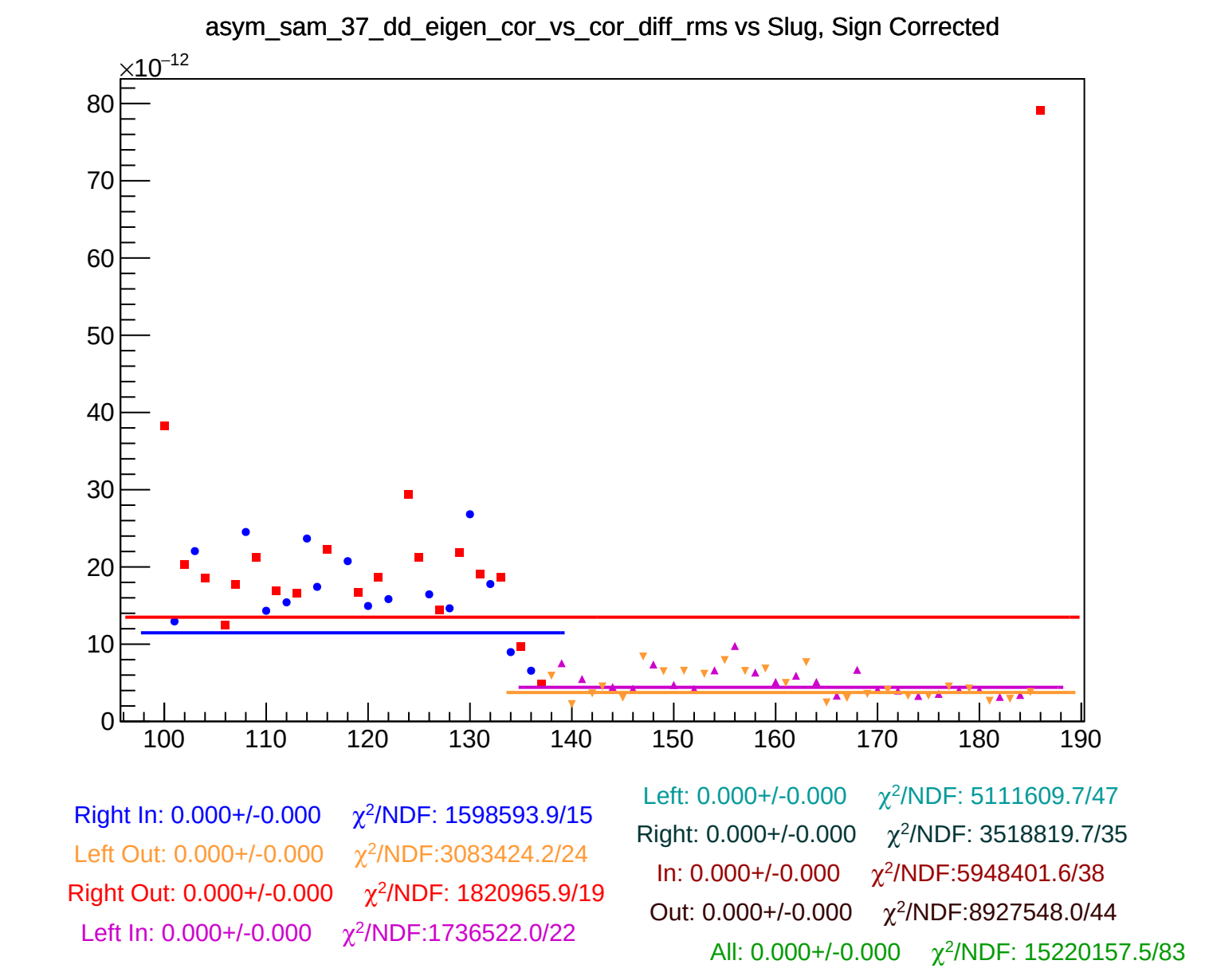
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

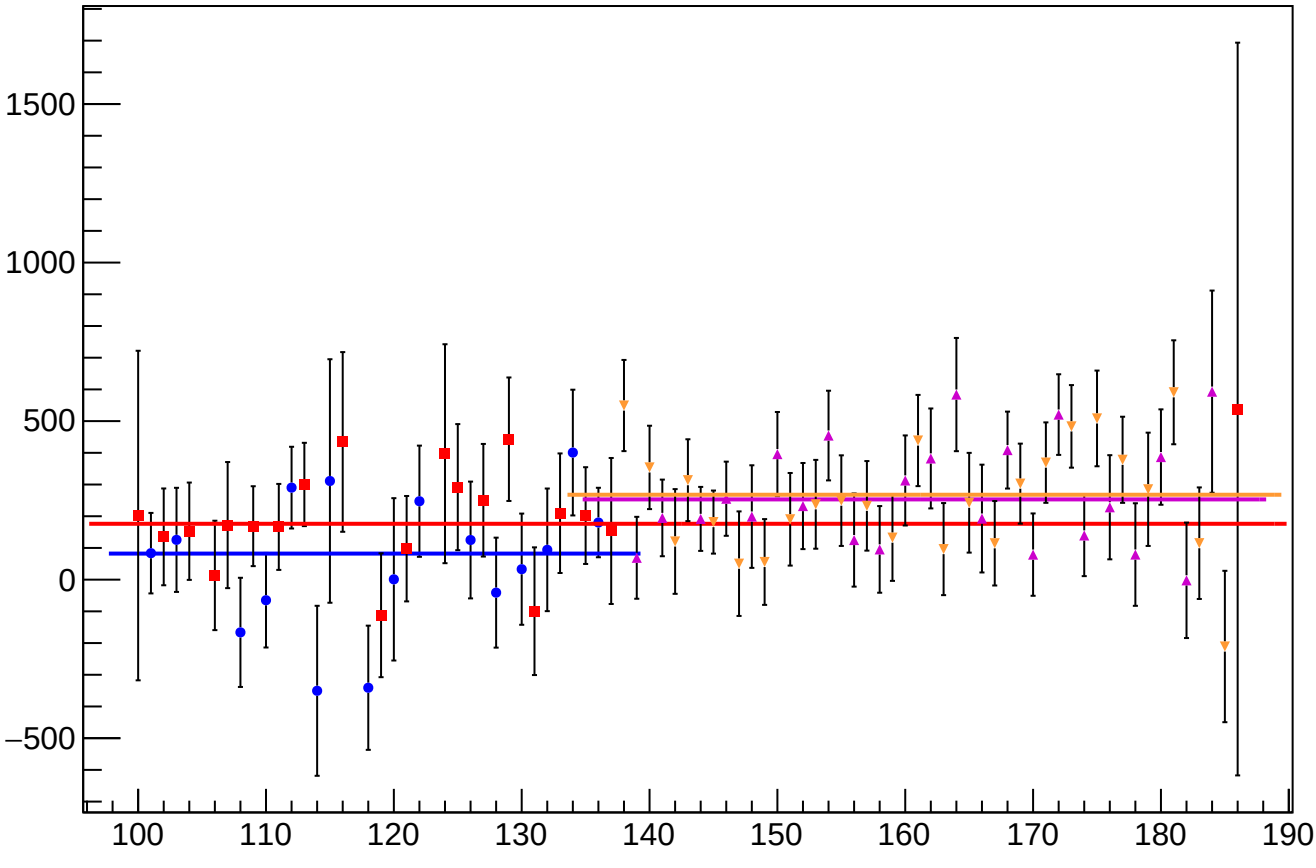
Right: -0.000+/-0.000 χ^2/NDF: 56.4/35

In: 0.000+/-0.000 χ^2/NDF:63.0/38

Out: 0.000+/-0.000 χ^2/NDF:43.9/44

All: 0.000+/-0.000 χ^2/NDF: 107.0/83


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: 1598593.9/15
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: 3518819.7/35
In: 0.000+/-0.000 χ²/NDF:5948401.6/38
Out: 0.000+/-0.000 χ²/NDF:8927548.0/44
All: 0.000+/-0.000 χ²/NDF: 15220157.5/83



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

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

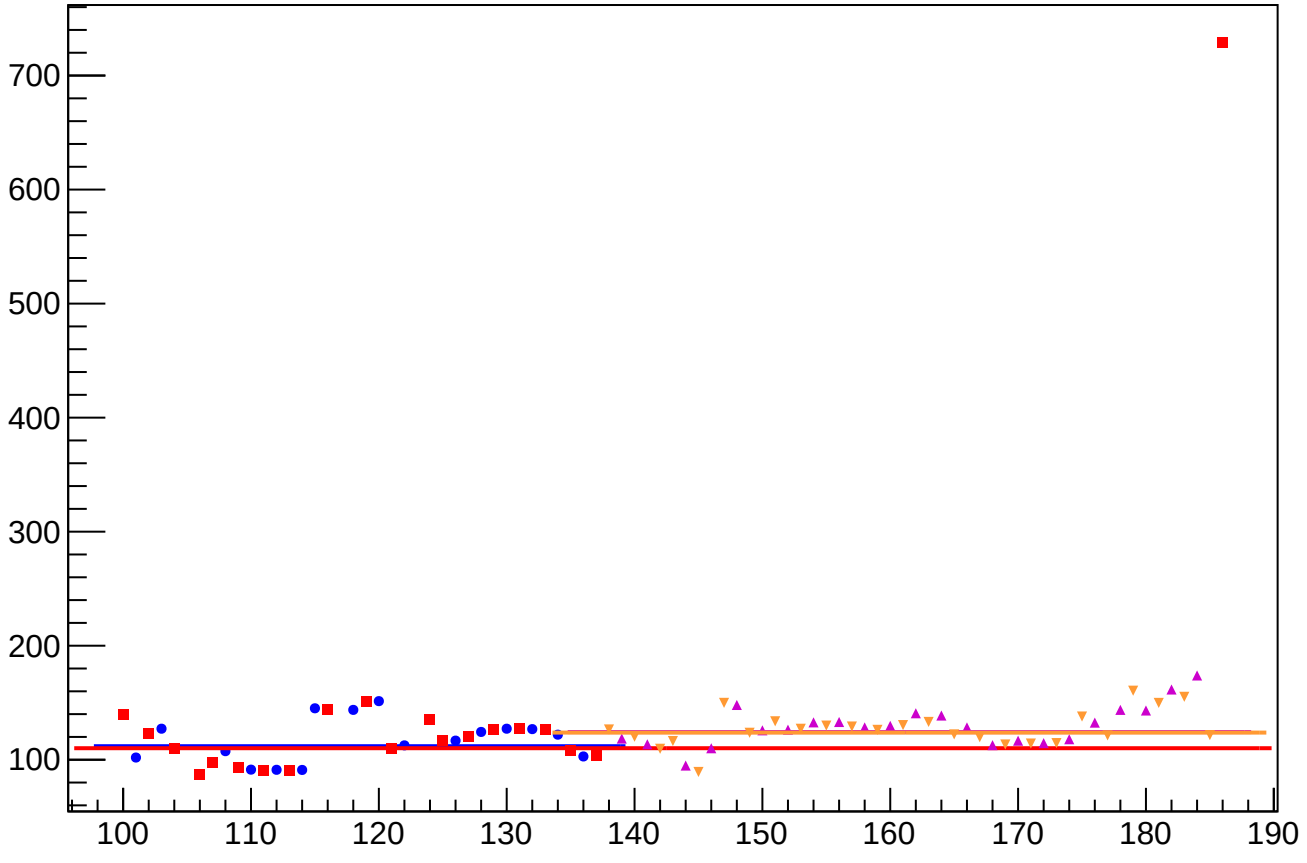
Right: 130.874+/-29.253 χ^2/NDF: 30.9/35

In: 197.323+/-24.062 χ^2/NDF:55.6/38

Out: 237.723+/-23.285 χ^2/NDF:44.4/44

All: 218.187+/-16.733 χ^2/NDF: 101.5/83

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

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

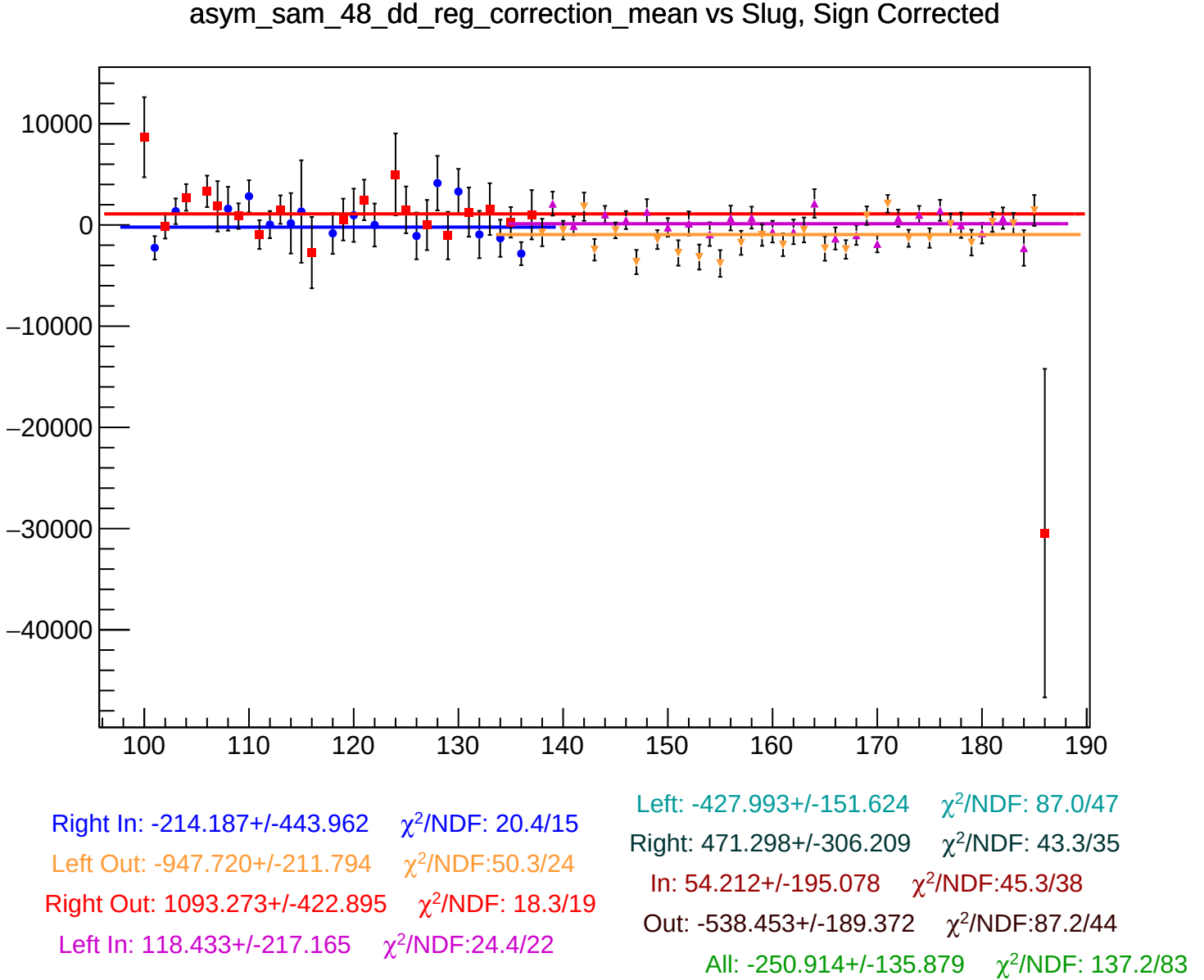
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

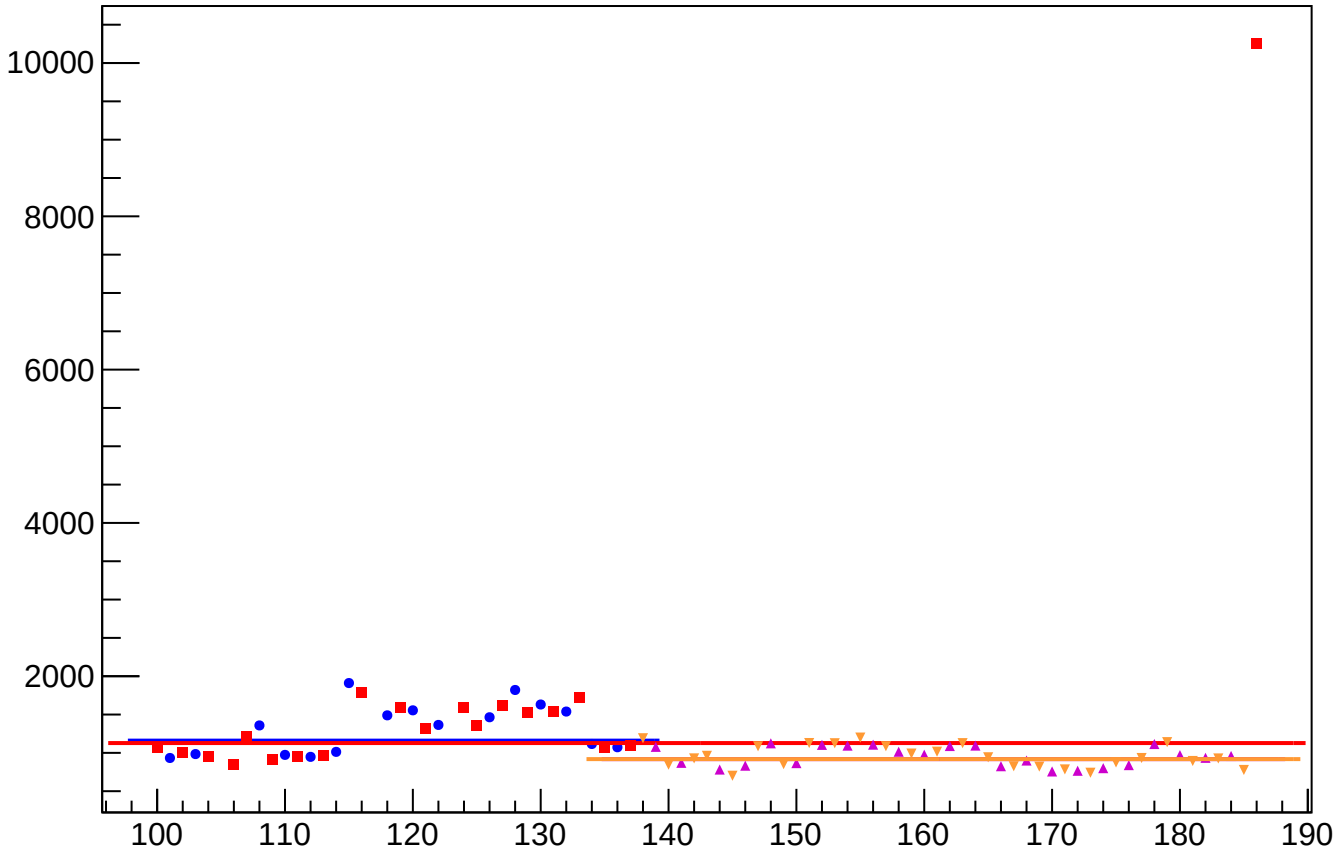
Right: 110.953+/-0.021 χ^2/NDF: 1249298.0/35

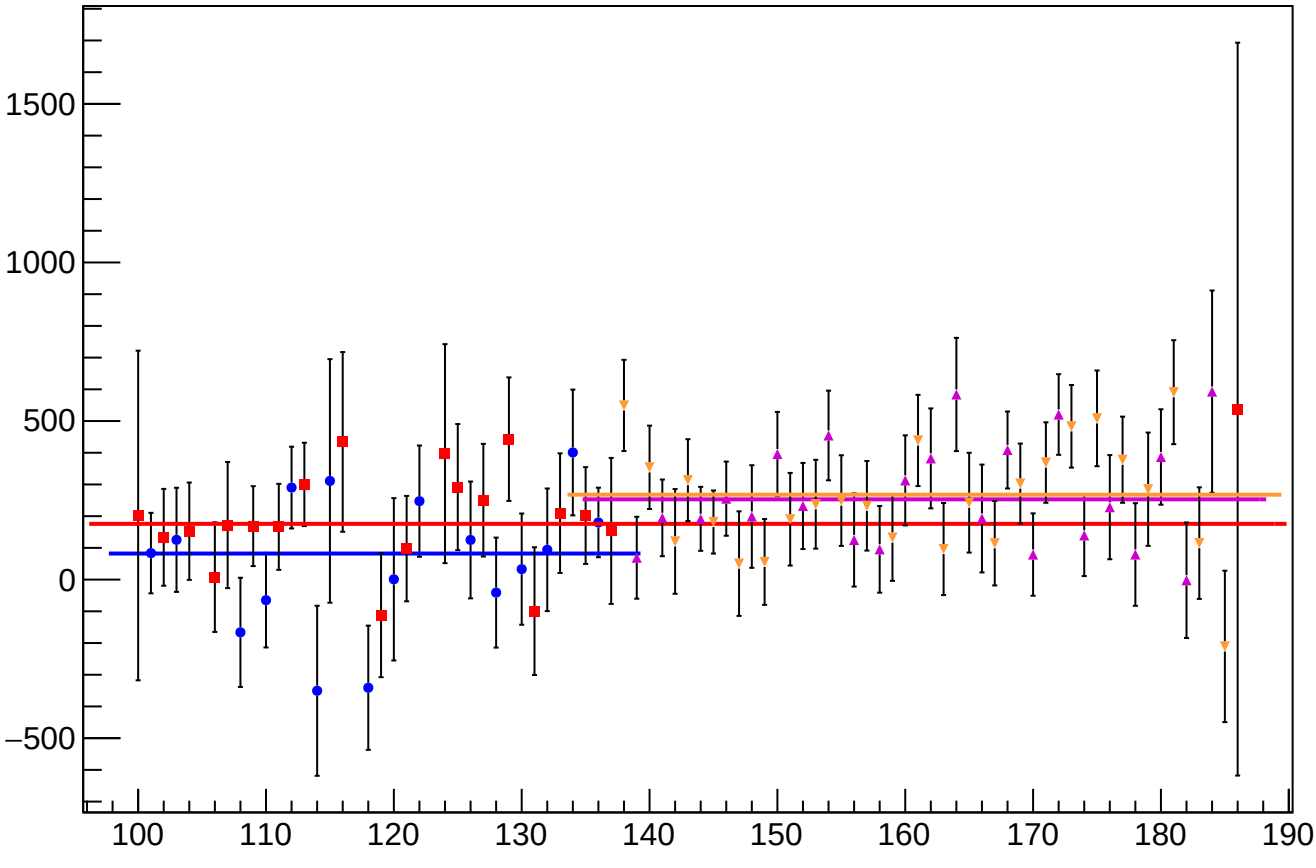
In: 120.216+/-0.017 χ^2/NDF:979909.3/38

Out: 119.312+/-0.016 χ^2/NDF:1692573.8/44

All: 119.749+/-0.012 χ^2/NDF: 2673940.5/83


asym_sam_48_dd_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: -214.187+/-443.962 χ²/NDF: 20.4/15
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1093.273+/-422.895 χ²/NDF: 18.3/19
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 471.298+/-306.209 χ²/NDF: 43.3/35
In: 54.212+/-195.078 χ²/NDF:45.3/38
Out: -538.453+/-189.372 χ²/NDF:87.2/44
All: -250.914+/-135.879 χ²/NDF: 137.2/83


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1159.567+/-0.314 χ²/NDF: 683693.3/15
Left Out: 918.501+/-0.150 χ²/NDF:887820.0/24
Right Out: 1127.952+/-0.299 χ²/NDF: 1415091.9/19
Left In: 918.214+/-0.154 χ²/NDF:666262.3/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.1/47
Right: 1142.992+/-0.217 χ²/NDF: 2104102.4/35
In: 964.813+/-0.138 χ²/NDF:1826909.8/38
Out: 960.501+/-0.134 χ²/NDF:2695136.0/44
All: 962.593+/-0.096 χ²/NDF: 4522548.8/83



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

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

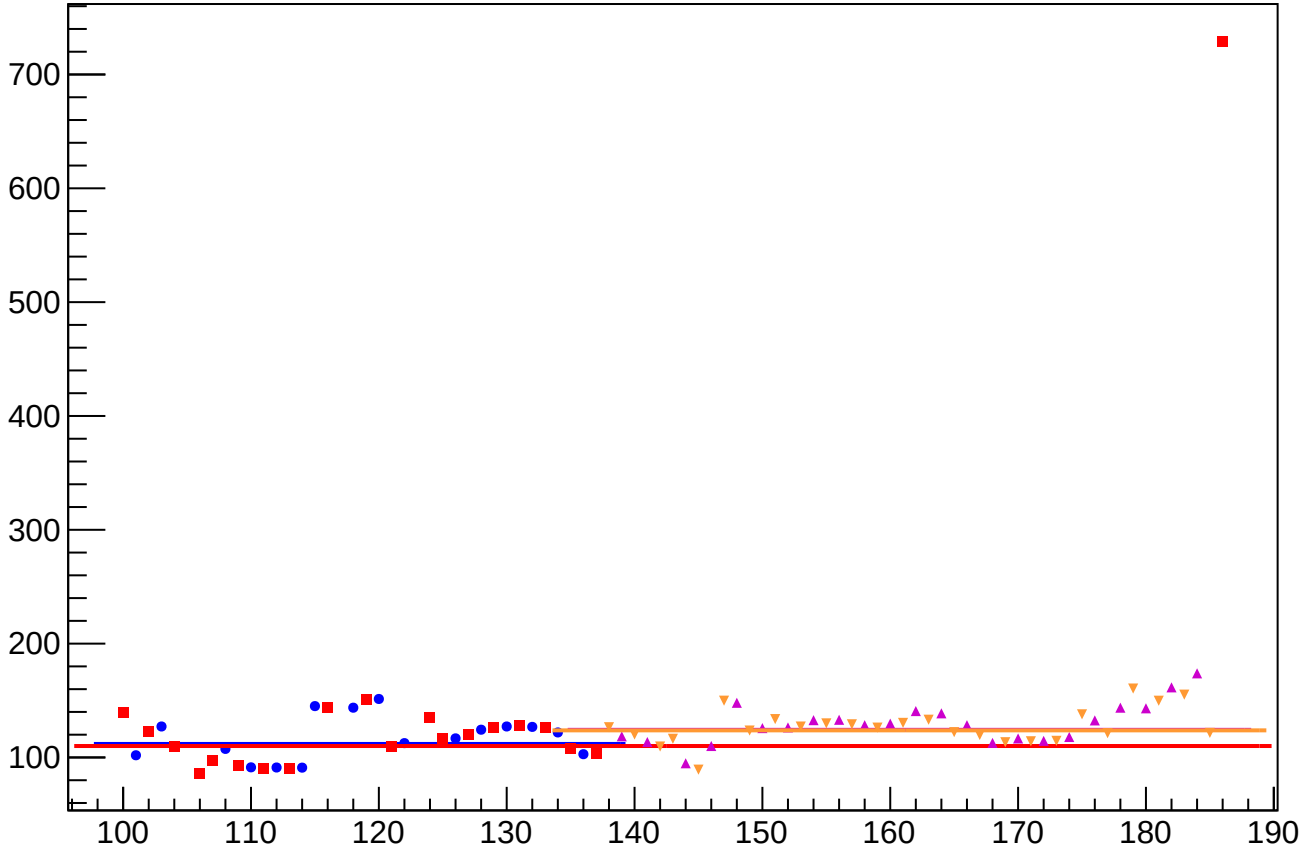
Right: 130.659+/-29.255 χ^2/NDF: 31.0/35

In: 197.321+/-24.062 χ^2/NDF:55.6/38

Out: 237.605+/-23.286 χ^2/NDF:44.5/44

All: 218.124+/-16.733 χ^2/NDF: 101.5/83

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

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

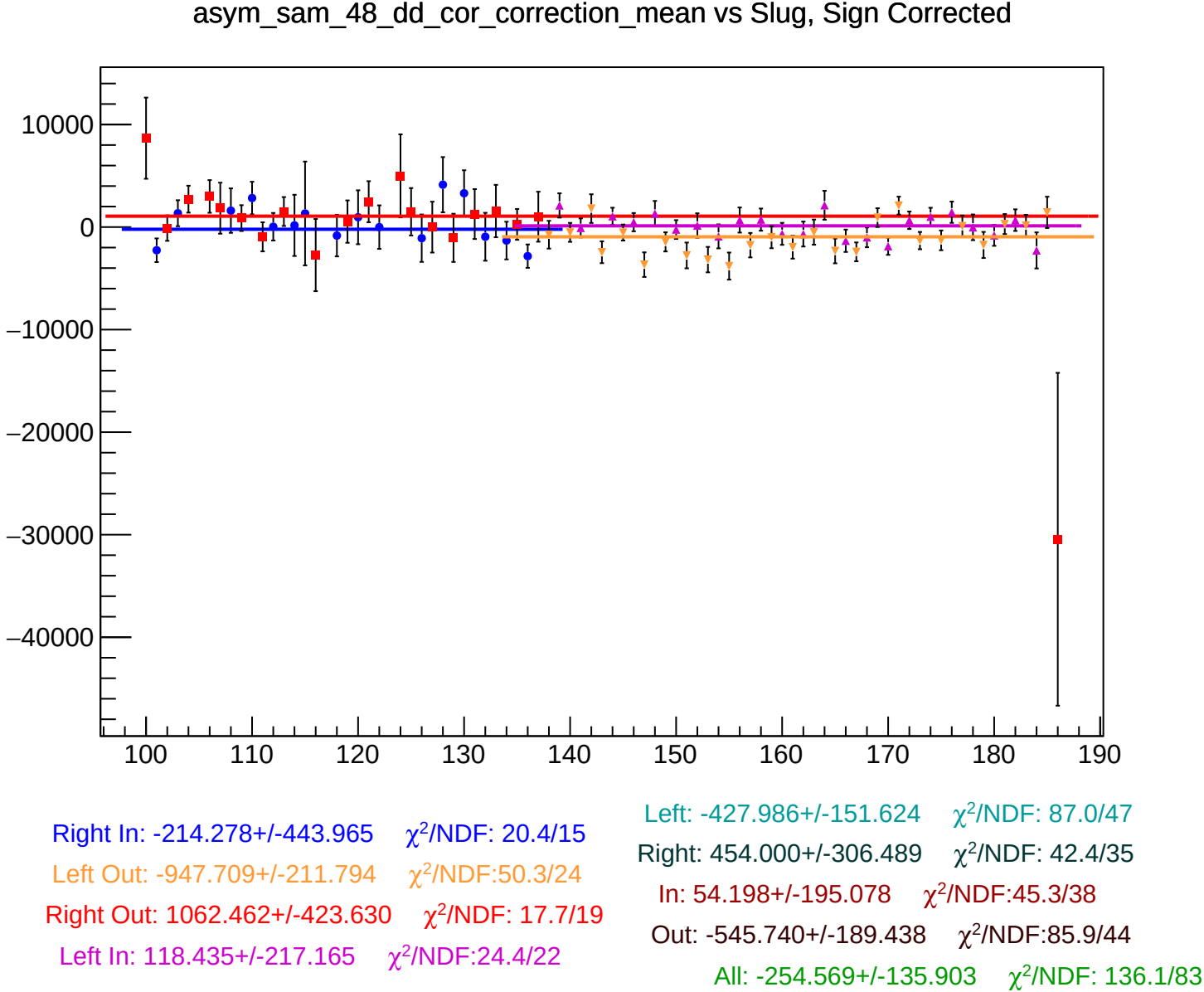
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

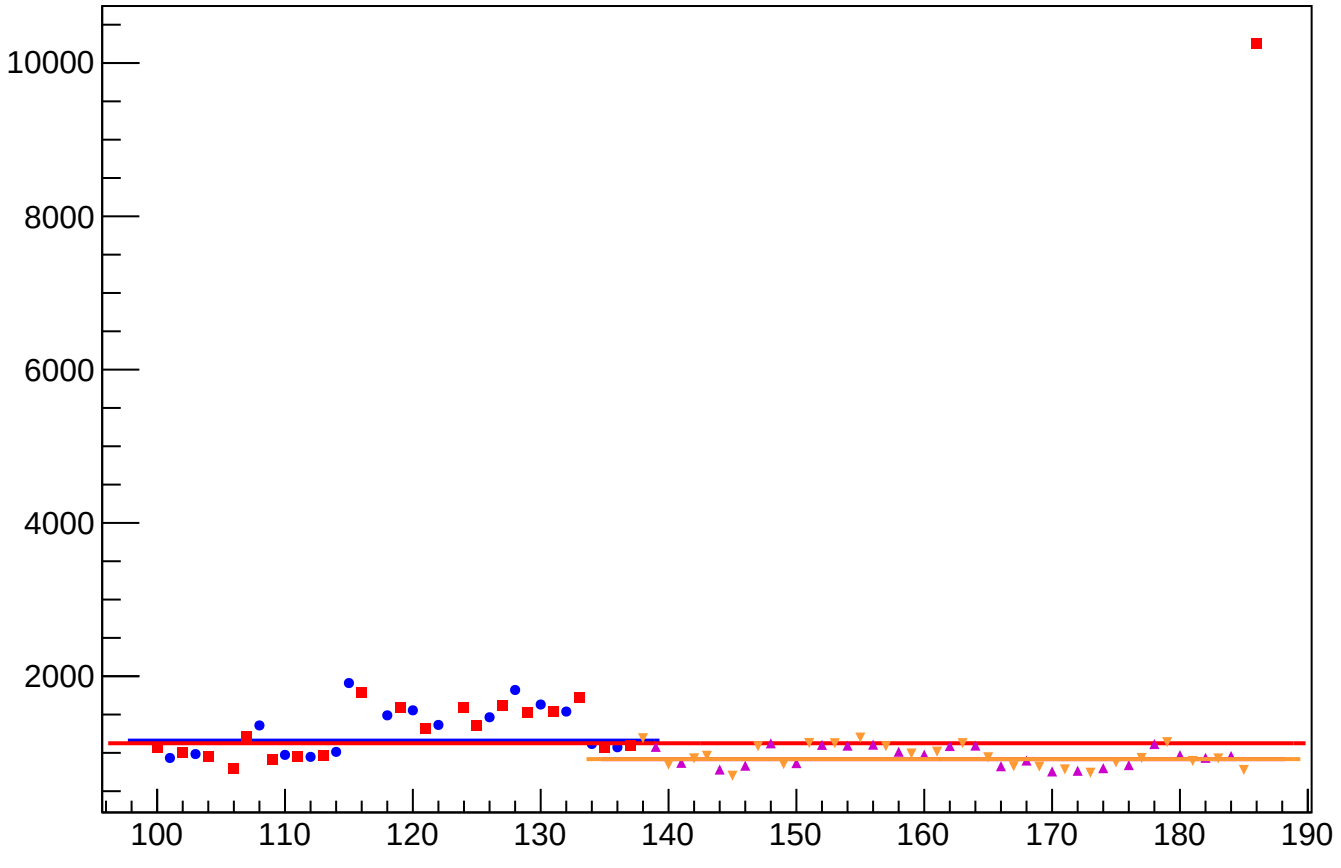
Right: 110.924+/-0.021 χ^2/NDF: 1253010.7/35

In: 120.216+/-0.017 χ^2/NDF:979909.9/38

Out: 119.294+/-0.016 χ^2/NDF:1697388.4/44

All: 119.740+/-0.012 χ^2/NDF: 2678812.7/83


asym_sam_48_dd_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: -214.278+/-443.965 χ²/NDF: 20.4/15
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: 454.000+/-306.489 χ²/NDF: 42.4/35
In: 54.198+/-195.078 χ²/NDF:45.3/38
Out: -545.740+/-189.438 χ²/NDF:85.9/44
All: -254.569+/-135.903 χ²/NDF: 136.1/83



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

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

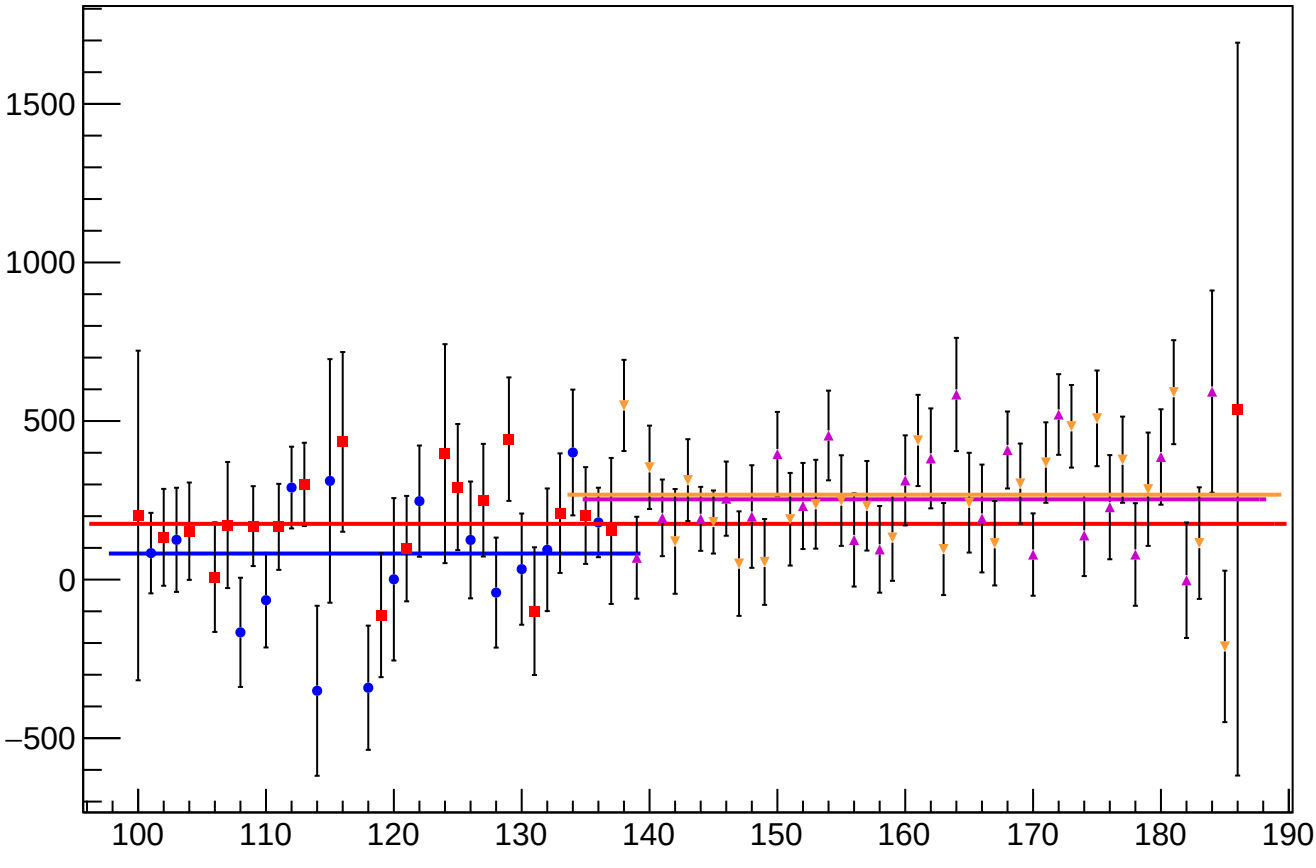
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1141.677+/-0.217 χ^2/NDF: 2126204.8/35

In: 964.814+/-0.138 χ^2/NDF:1826911.7/38

Out: 959.870+/-0.134 χ^2/NDF:2705737.4/44

All: 962.270+/-0.096 χ^2/NDF: 4533310.3/83



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

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

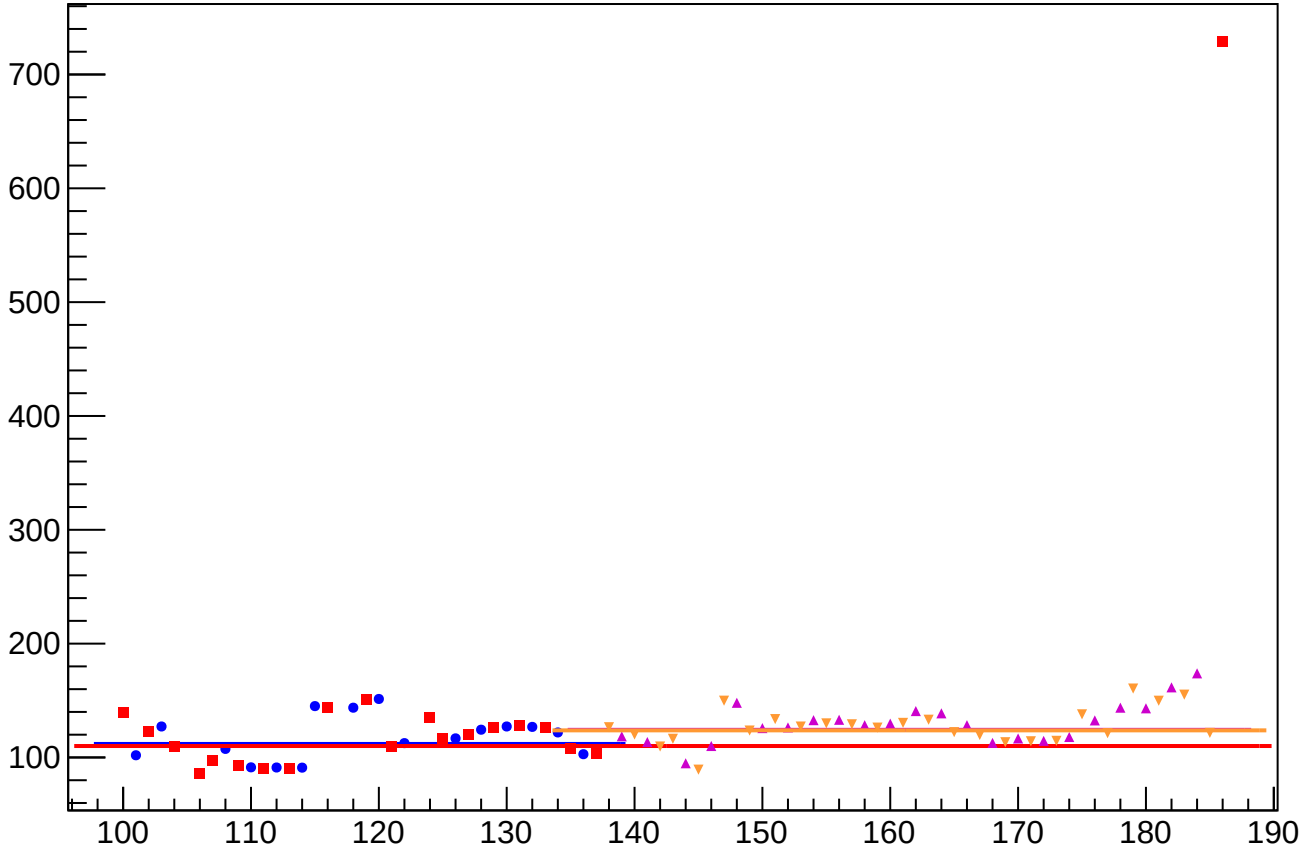
Right: 130.659+/-29.255 χ^2/NDF: 31.0/35

In: 197.321+/-24.062 χ^2/NDF:55.6/38

Out: 237.605+/-23.286 χ^2/NDF:44.5/44

All: 218.124+/-16.733 χ^2/NDF: 101.5/83

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

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

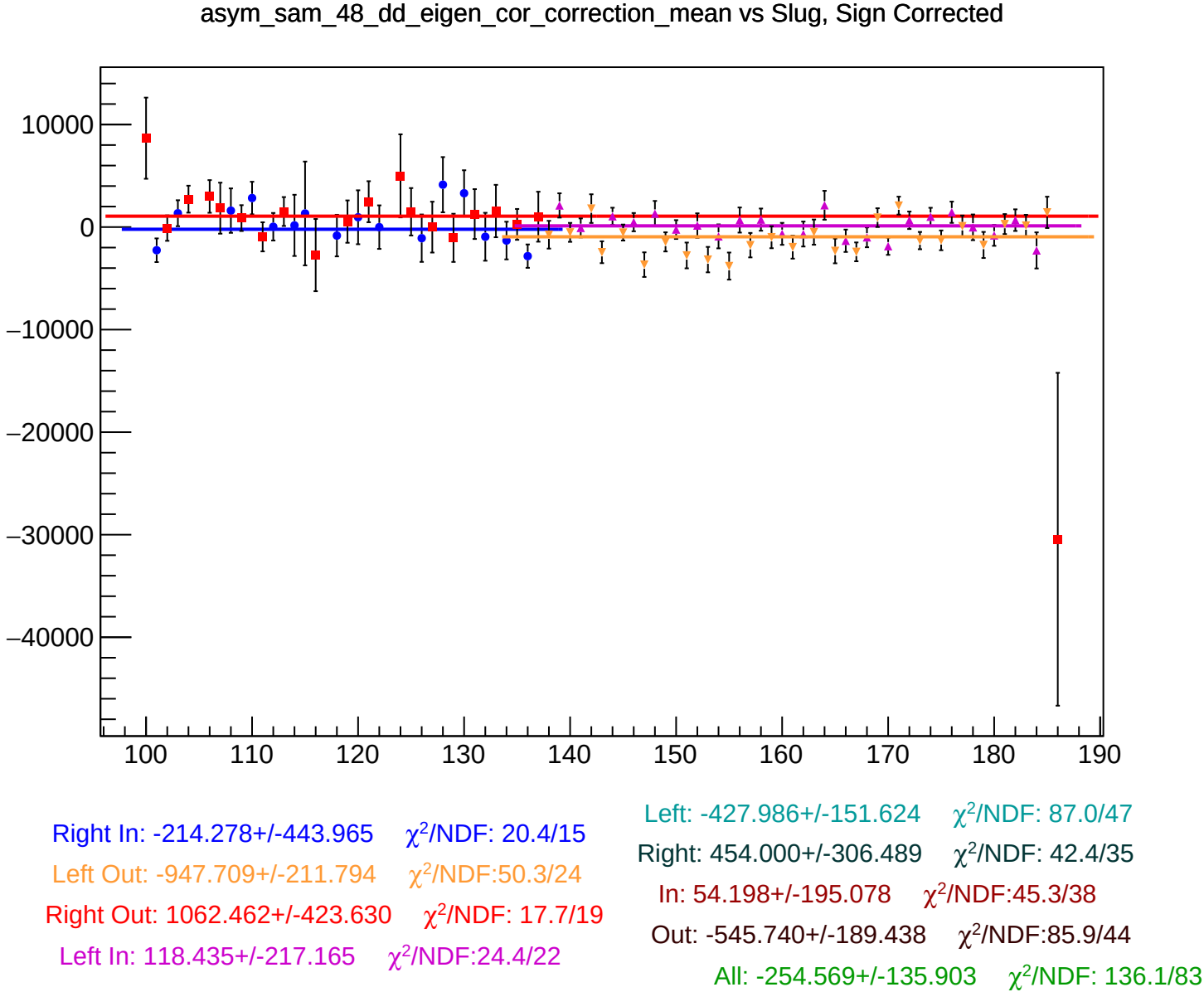
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

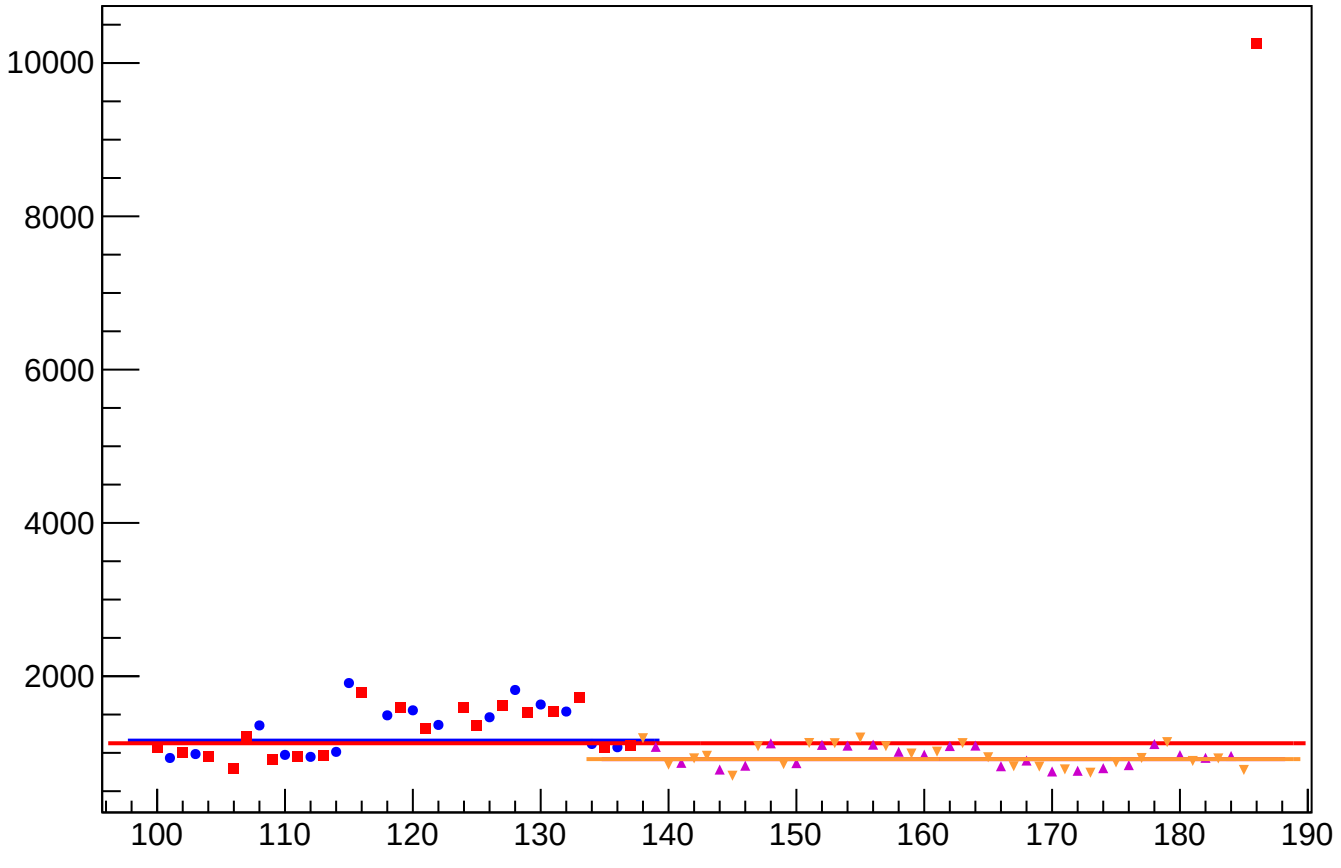
Right: 110.924+/-0.021 χ^2/NDF: 1253010.7/35

In: 120.216+/-0.017 χ^2/NDF:979909.9/38

Out: 119.294+/-0.016 χ^2/NDF:1697388.4/44

All: 119.740+/-0.012 χ^2/NDF: 2678812.7/83


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: -214.278+/-443.965 χ²/NDF: 20.4/15
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: 454.000+/-306.489 χ²/NDF: 42.4/35
In: 54.198+/-195.078 χ²/NDF:45.3/38
Out: -545.740+/-189.438 χ²/NDF:85.9/44
All: -254.569+/-135.903 χ²/NDF: 136.1/83



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

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

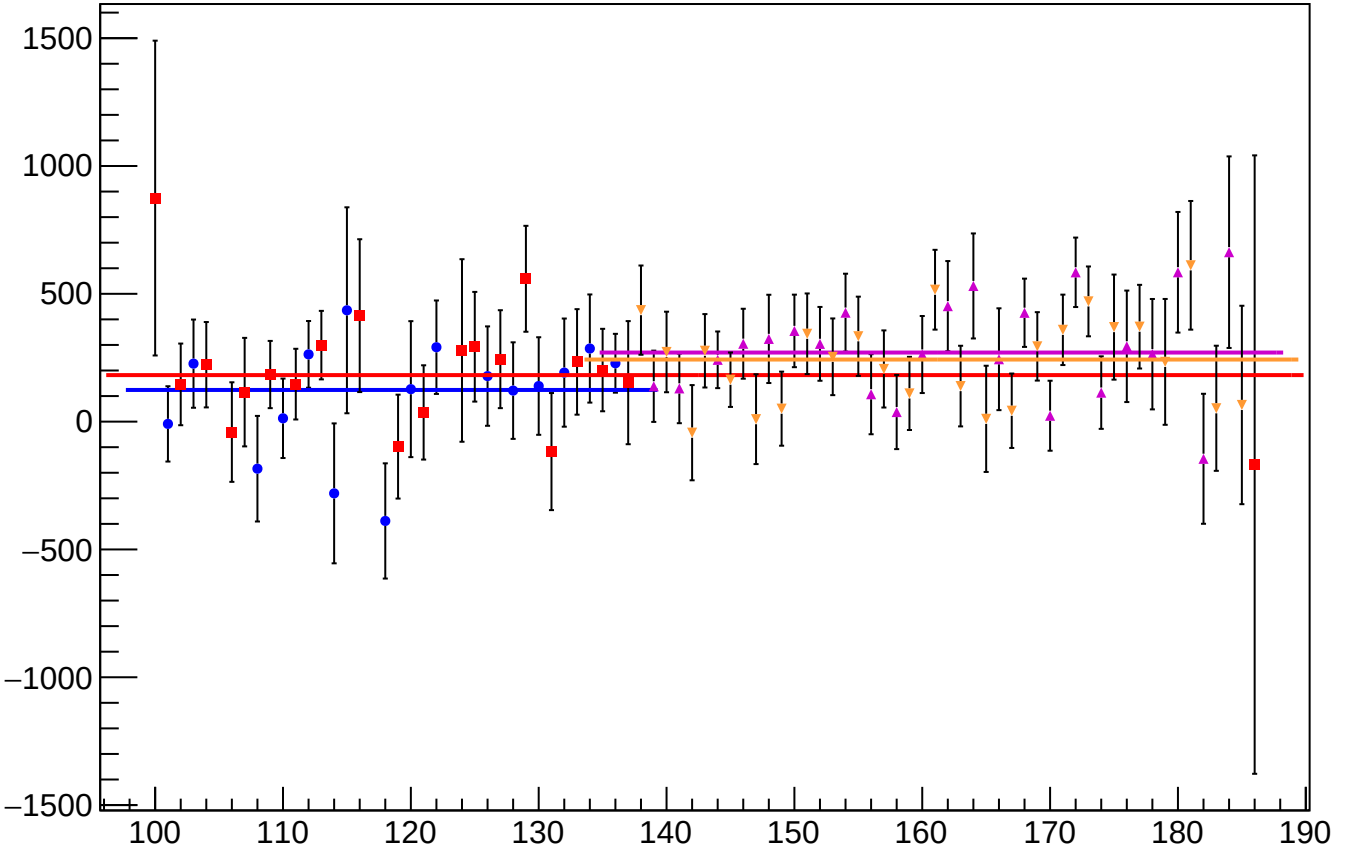
Right: 1141.677+/-0.217 χ^2/NDF: 2126204.8/35

In: 964.814+/-0.138 χ^2/NDF:1826911.7/38

Out: 959.870+/-0.134 χ^2/NDF:2705737.4/44

All: 962.270+/-0.096 χ^2/NDF: 4533310.3/83

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

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

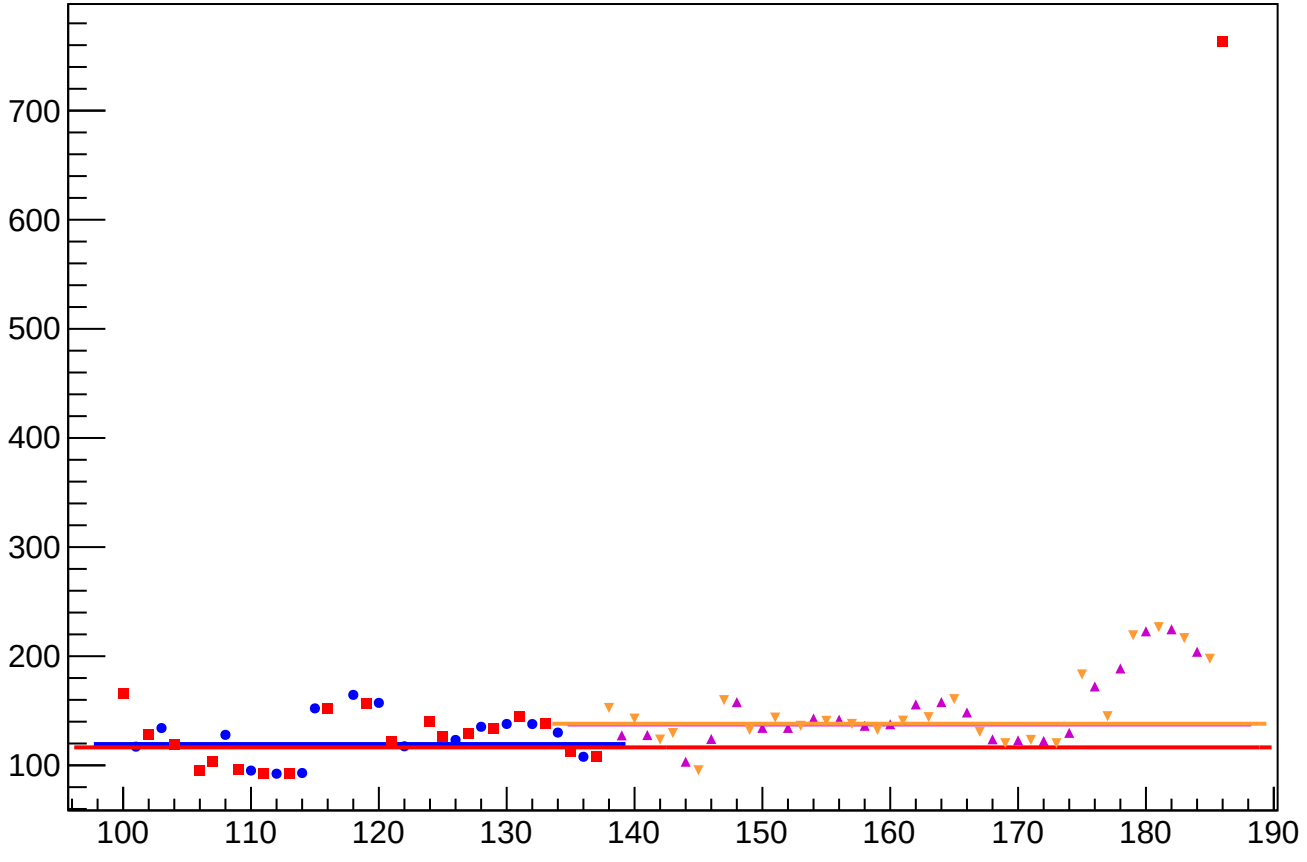
Right: 154.297+/-31.241 χ^2/NDF: 28.7/35

In: 219.628+/-26.604 χ^2/NDF:49.0/38

Out: 221.201+/-25.785 χ^2/NDF:37.3/44

All: 220.439+/-18.515 χ^2/NDF: 86.3/83

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

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

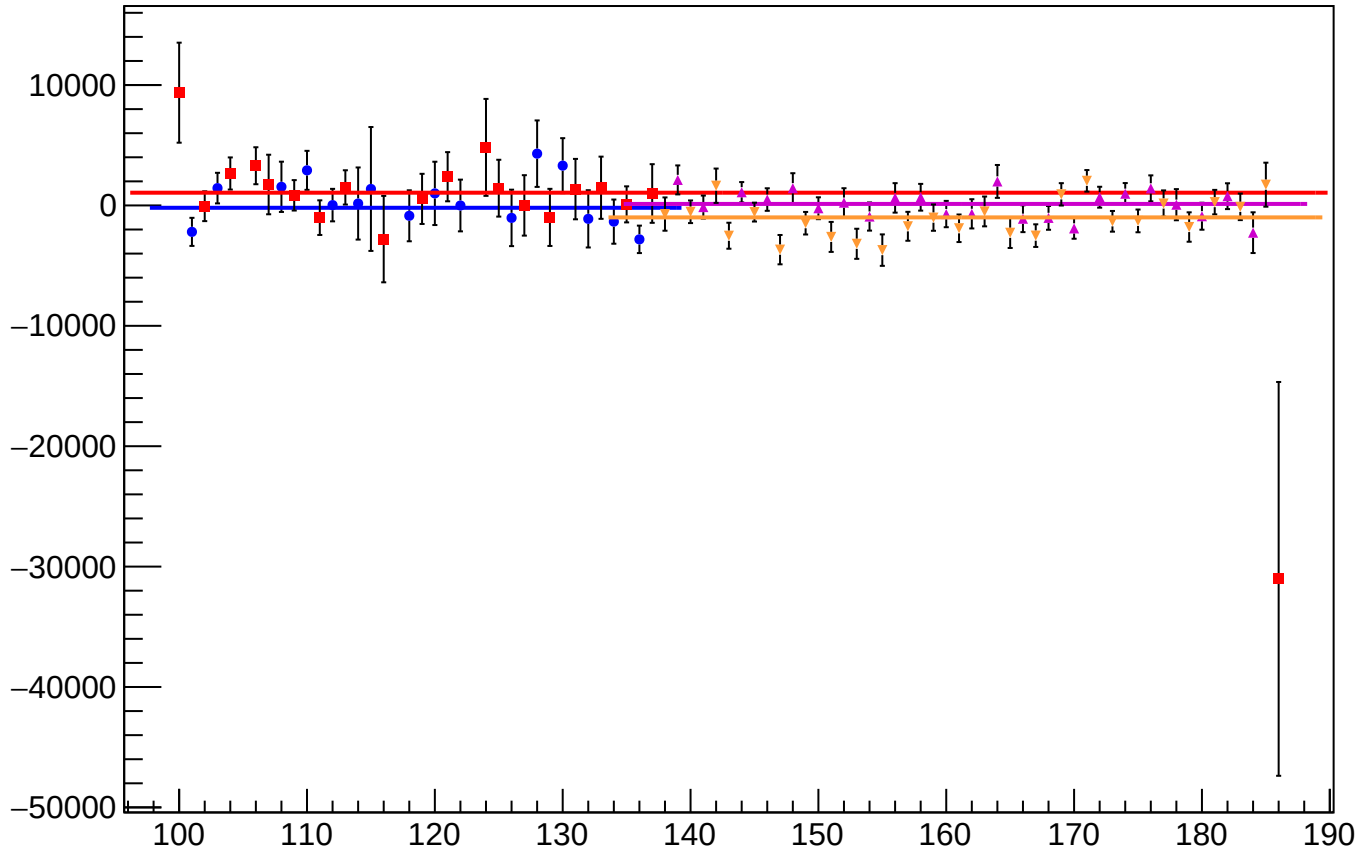
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 117.901+/-0.022 χ^2/NDF: 1384515.1/35

In: 131.267+/-0.019 χ^2/NDF:1696639.3/38

Out: 130.403+/-0.018 χ^2/NDF:2662100.0/44

All: 130.821+/-0.013 χ^2/NDF: 4359828.4/83



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

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

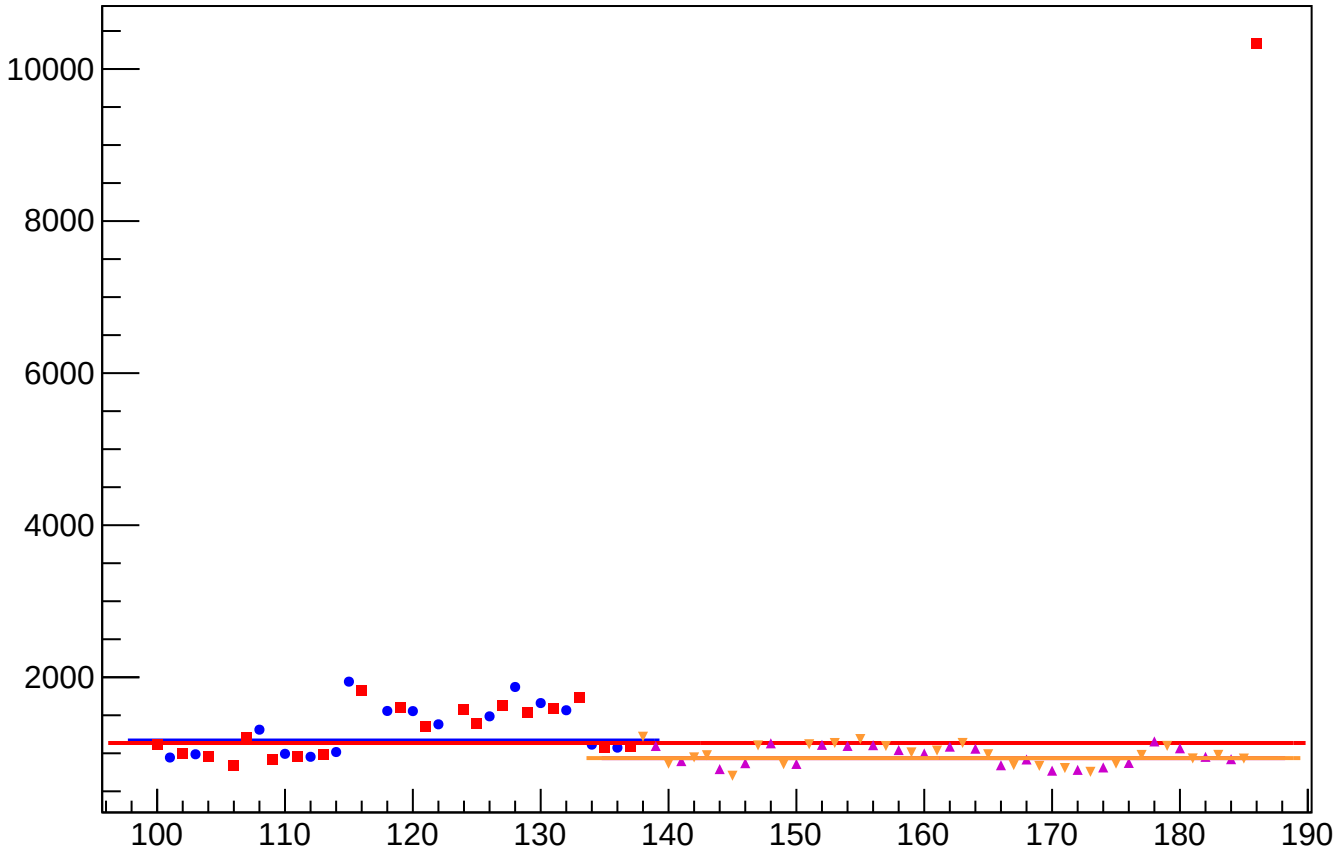
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 462.144+/-308.420 χ^2/NDF: 42.9/35

In: 61.920+/-198.403 χ^2/NDF:44.7/38

Out: -574.577+/-192.386 χ^2/NDF:83.8/44

All: -266.126+/-138.115 χ^2/NDF: 133.8/83



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

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

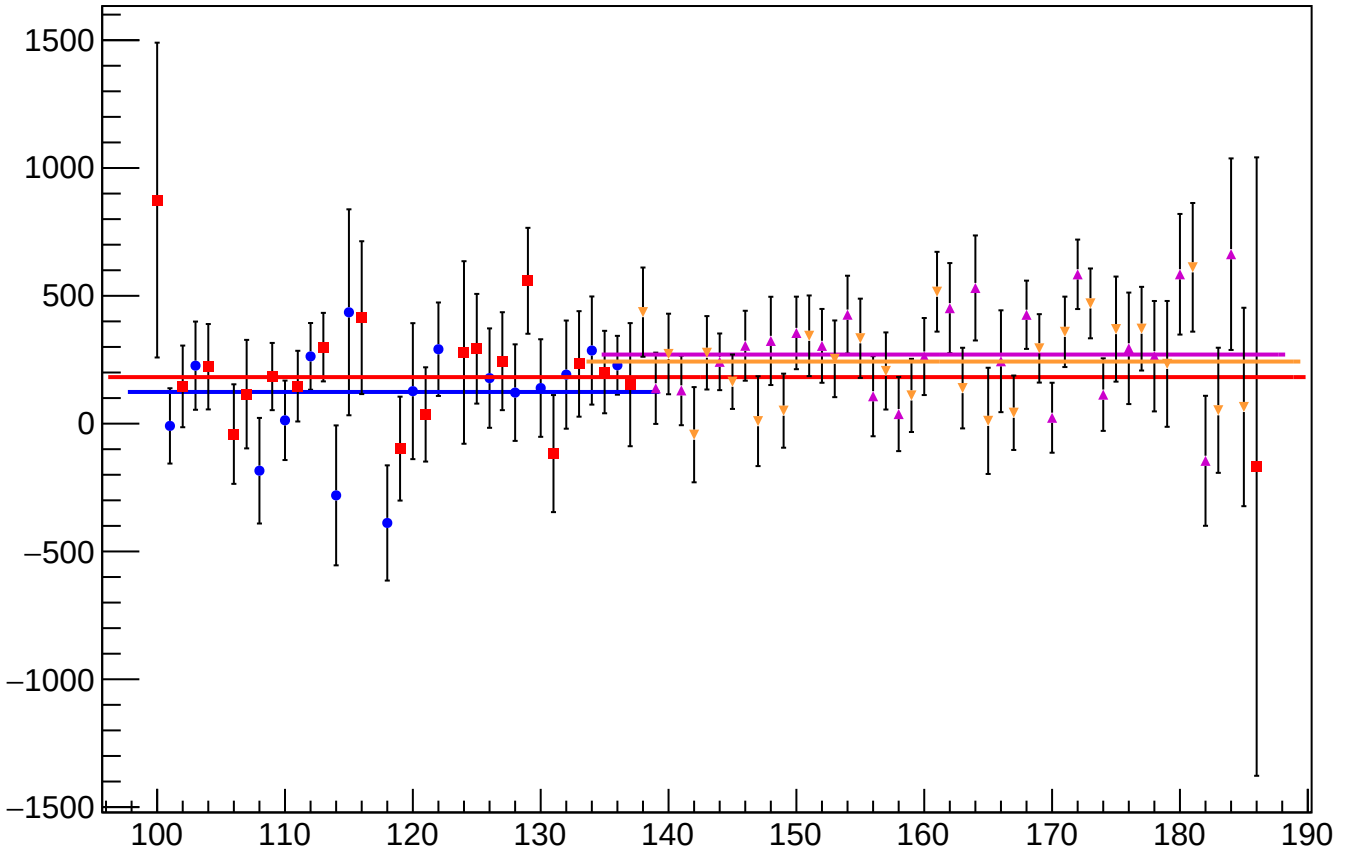
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1151.008+/-0.218 χ^2/NDF: 2155222.5/35

In: 981.955+/-0.140 χ^2/NDF:1783059.7/38

Out: 977.328+/-0.136 χ^2/NDF:2619767.2/44

All: 979.571+/-0.098 χ^2/NDF: 4403387.5/83



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 182.021+/-43.197 χ^2/NDF: 12.4/19

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

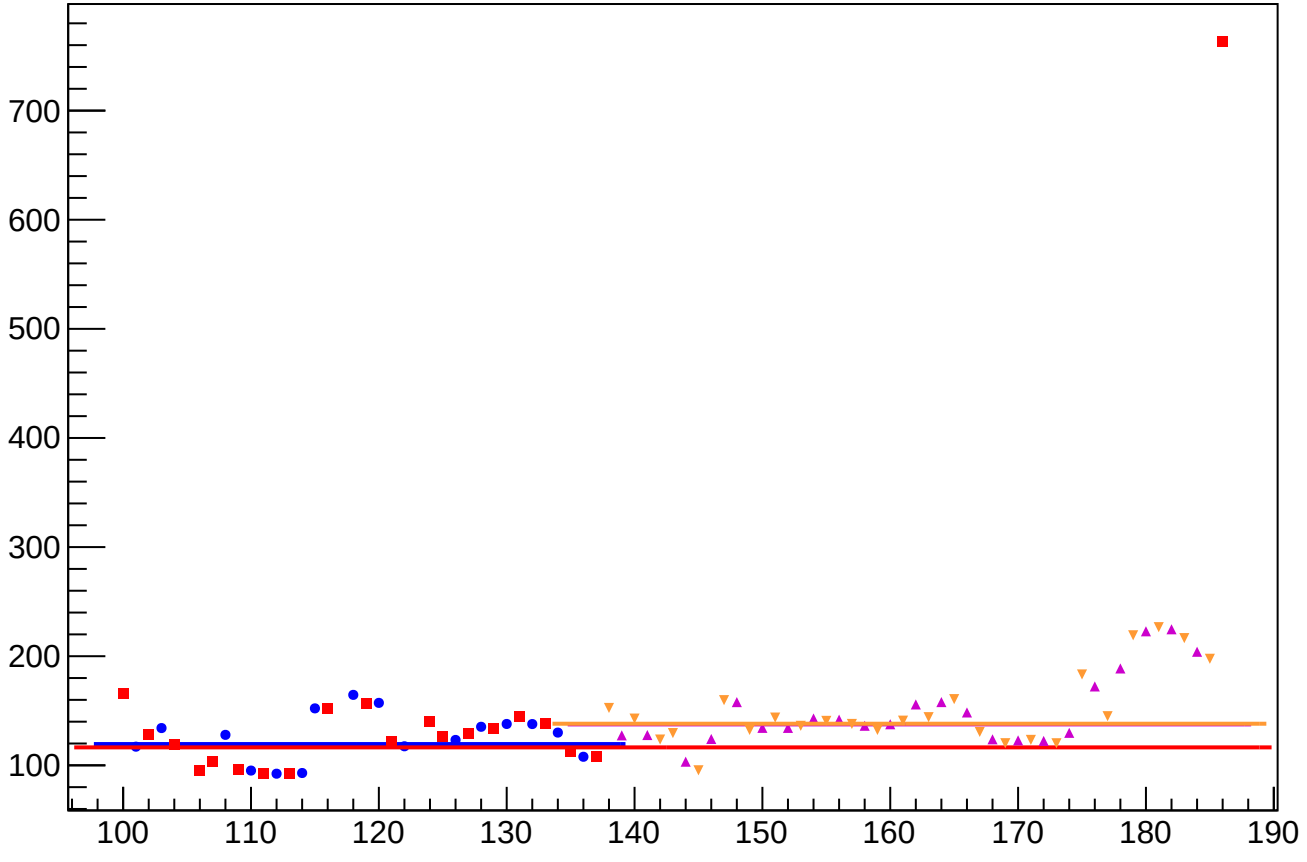
Right: 154.299+/-31.241 χ^2/NDF: 28.7/35

In: 219.630+/-26.604 χ^2/NDF:49.0/38

Out: 221.203+/-25.785 χ^2/NDF:37.3/44

All: 220.441+/-18.515 χ^2/NDF: 86.3/83

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

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

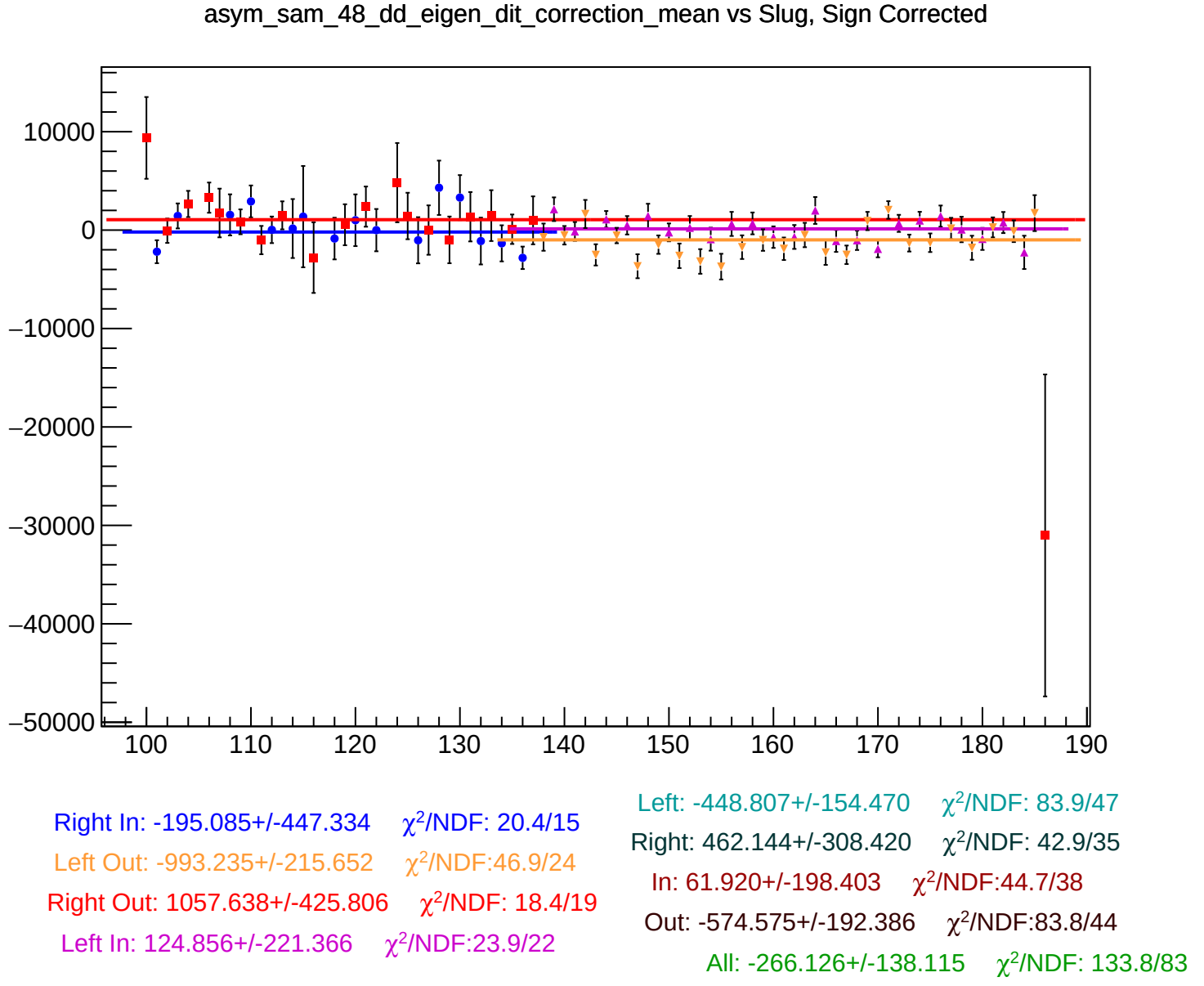
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 117.901+/-0.022 χ^2/NDF: 1384521.8/35

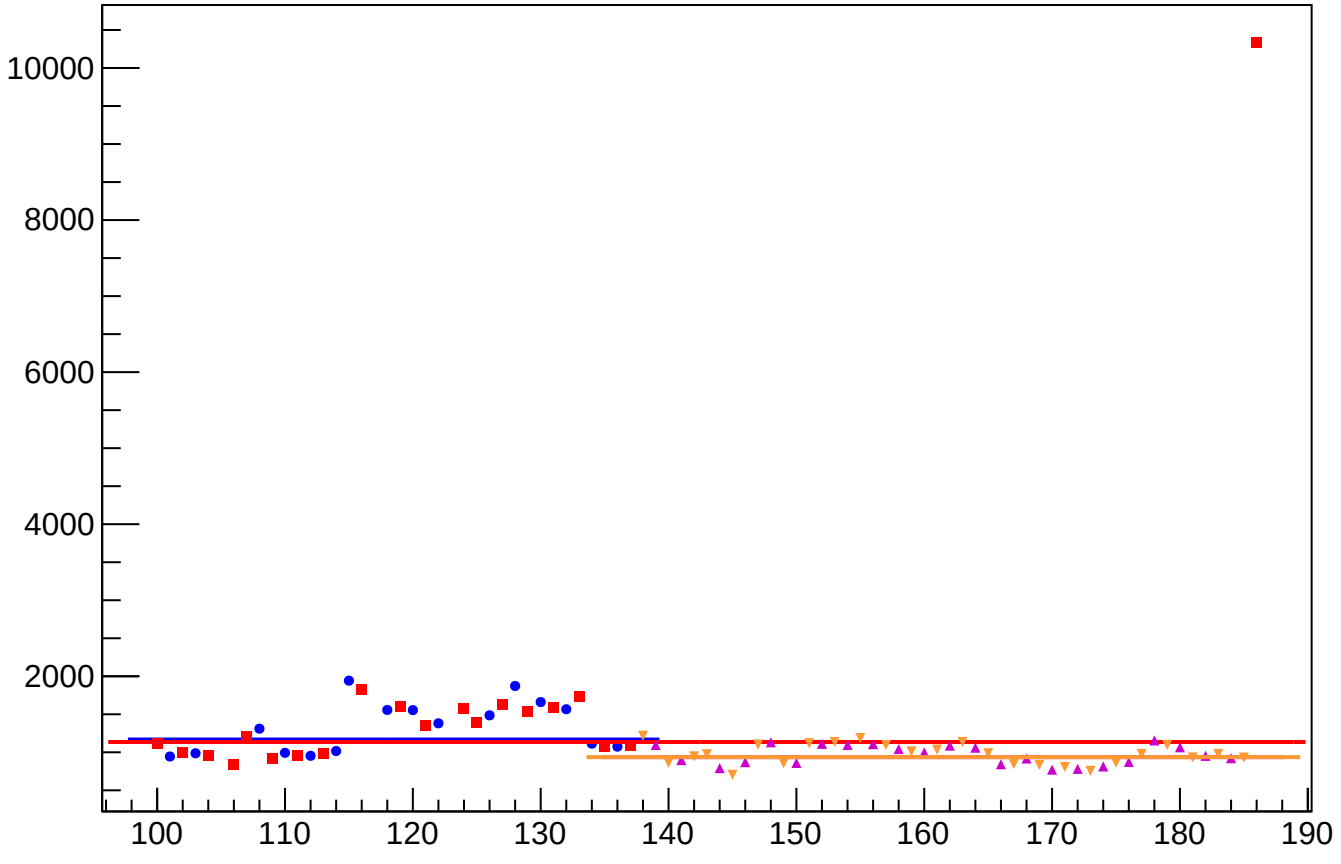
In: 131.267+/-0.019 χ^2/NDF:1696628.3/38

Out: 130.403+/-0.018 χ^2/NDF:2662107.6/44

All: 130.821+/-0.013 χ^2/NDF: 4359825.0/83


asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -195.085+/-447.334 χ²/NDF: 20.4/15
Left Out: -993.235+/-215.652 χ²/NDF:46.9/24
Right Out: 1057.638+/-425.806 χ²/NDF: 18.4/19
Left In: 124.856+/-221.366 χ²/NDF:23.9/22
Left: -448.807+/-154.470 χ²/NDF: 83.9/47
Right: 462.144+/-308.420 χ²/NDF: 42.9/35
In: 61.920+/-198.403 χ²/NDF:44.7/38
Out: -574.575+/-192.386 χ²/NDF:83.8/44
All: -266.126+/-138.115 χ²/NDF: 133.8/83

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

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

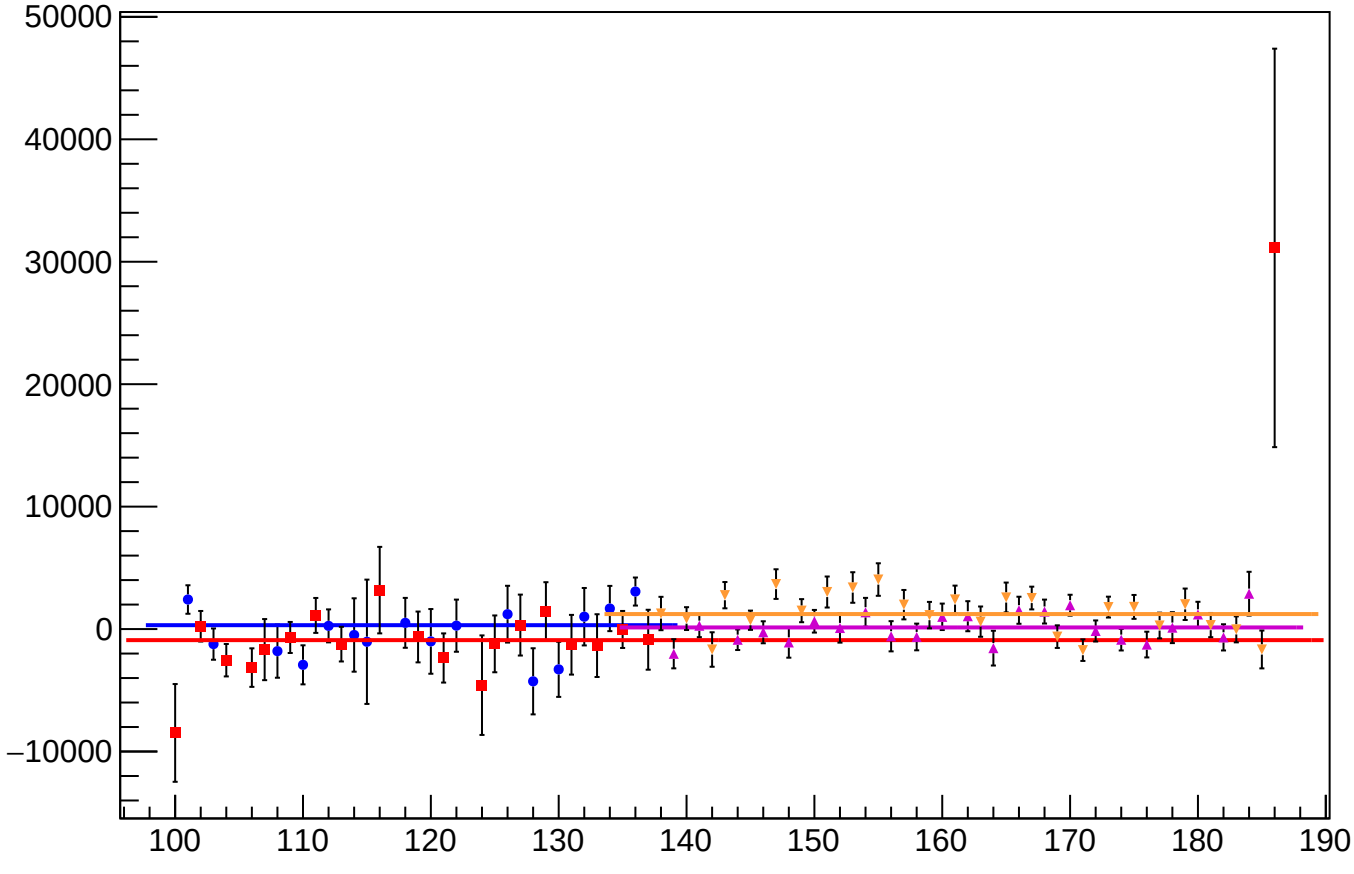
Right: 1151.008+/-0.218 χ^2/NDF: 2155225.5/35

In: 981.954+/-0.140 χ^2/NDF:1783063.4/38

Out: 977.327+/-0.136 χ^2/NDF:2619774.2/44

All: 979.570+/-0.098 χ^2/NDF: 4403398.3/83

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

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

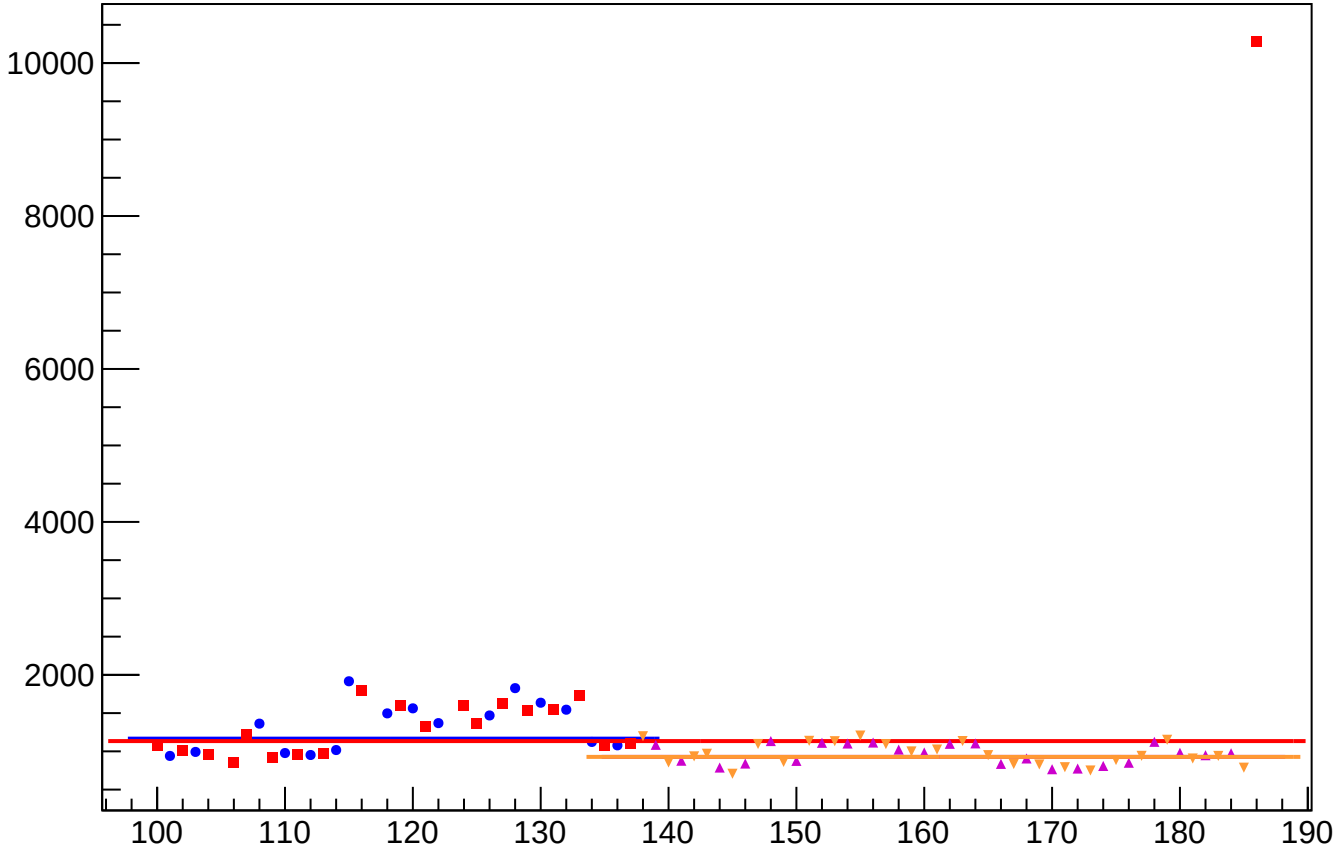
Right: -322.916+/-307.887 χ^2/NDF: 44.5/35

In: 168.712+/-196.810 χ^2/NDF:48.2/38

Out: 795.697+/-191.049 χ^2/NDF:86.9/44

All: 491.516+/-137.083 χ^2/NDF: 140.3/83

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

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

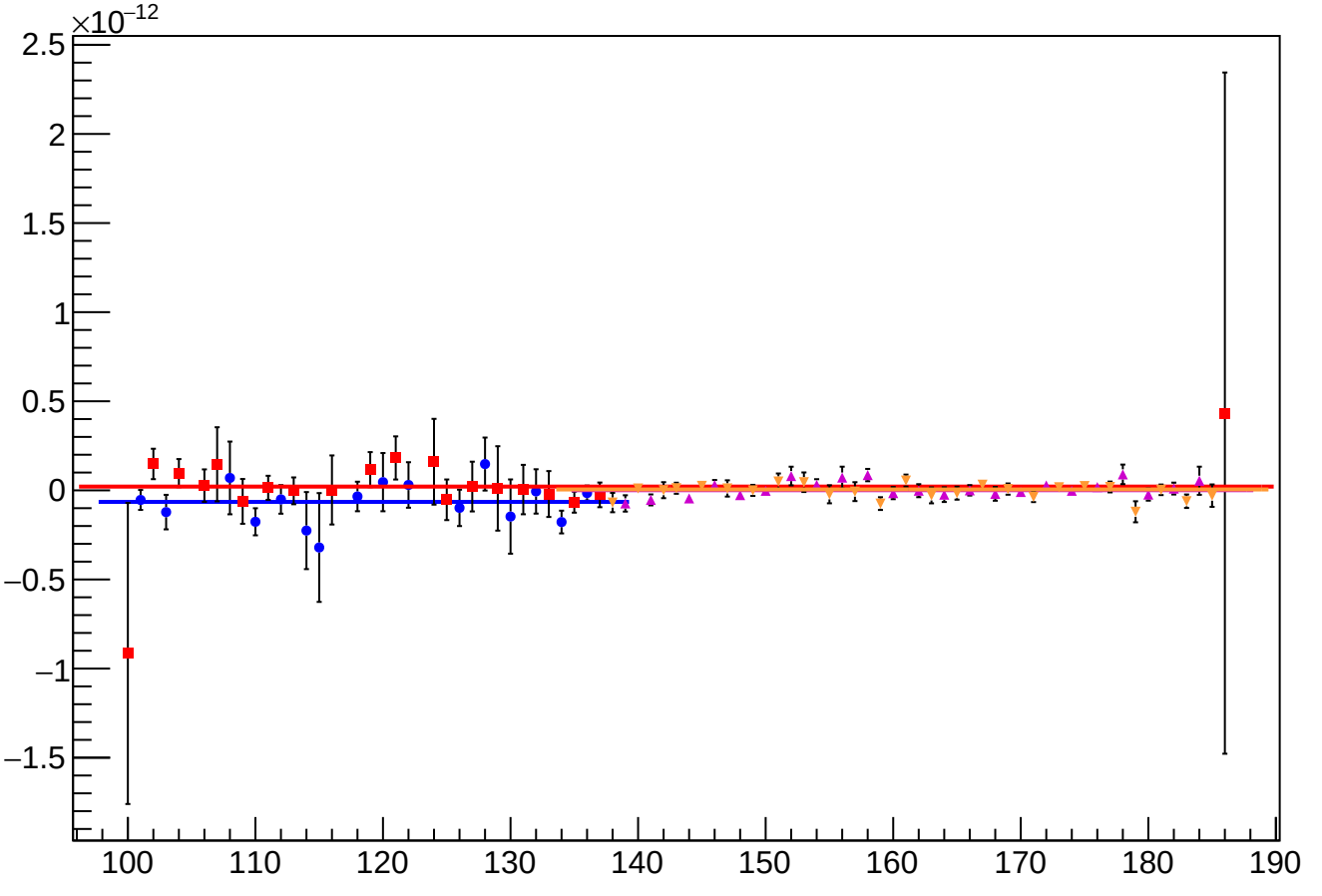
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1149.389+/-0.218 χ^2/NDF: 2090530.2/35

In: 973.738+/-0.139 χ^2/NDF:1794533.7/38

Out: 969.317+/-0.135 χ^2/NDF:2660222.5/44

All: 971.462+/-0.097 χ^2/NDF: 4455275.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

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

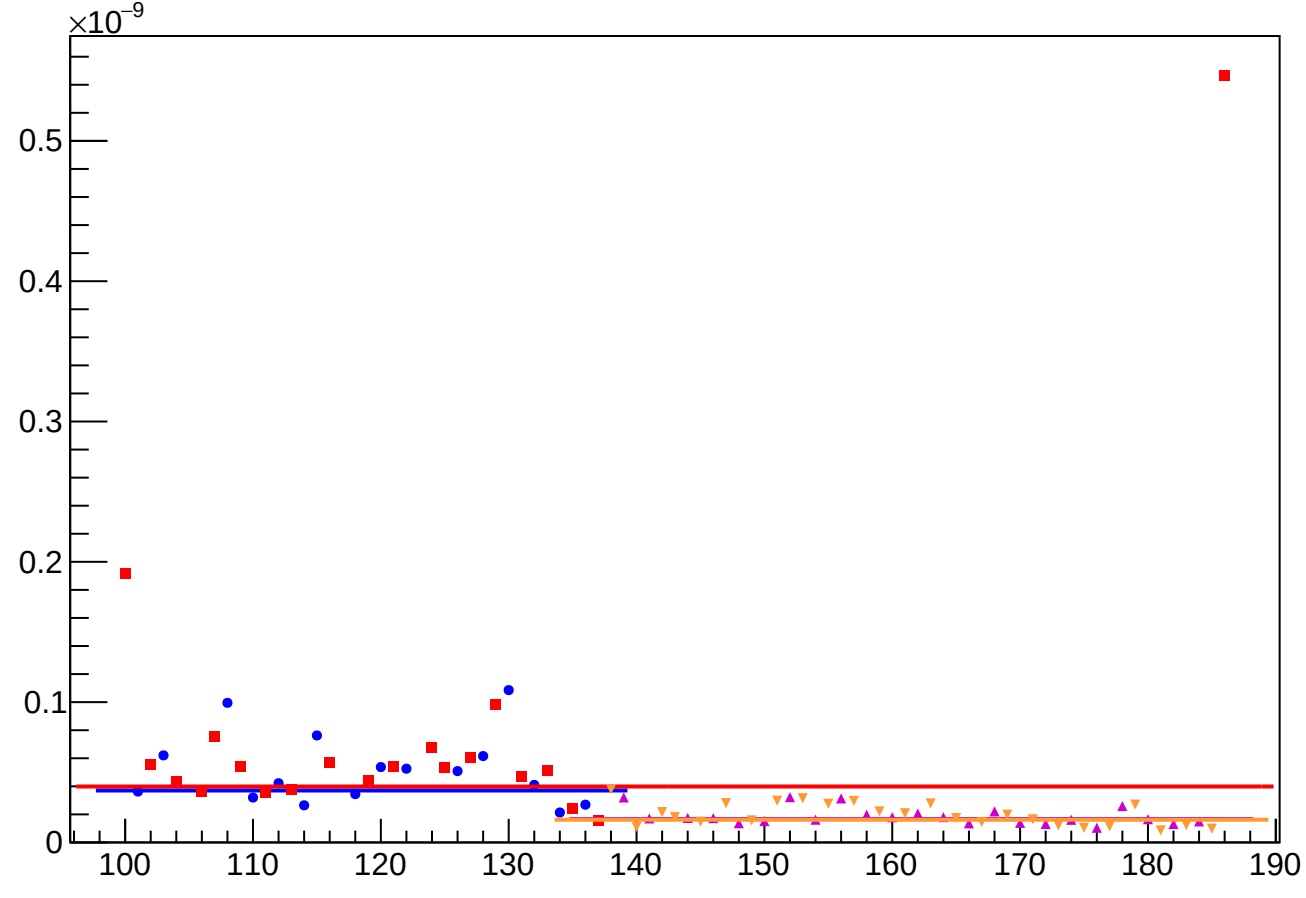
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 31.3/35

In: -0.000+/-0.000 χ^2/NDF:48.4/38

Out: 0.000+/-0.000 χ^2/NDF:37.4/44

All: 0.000+/-0.000 χ^2/NDF: 87.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1044230.8/19

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

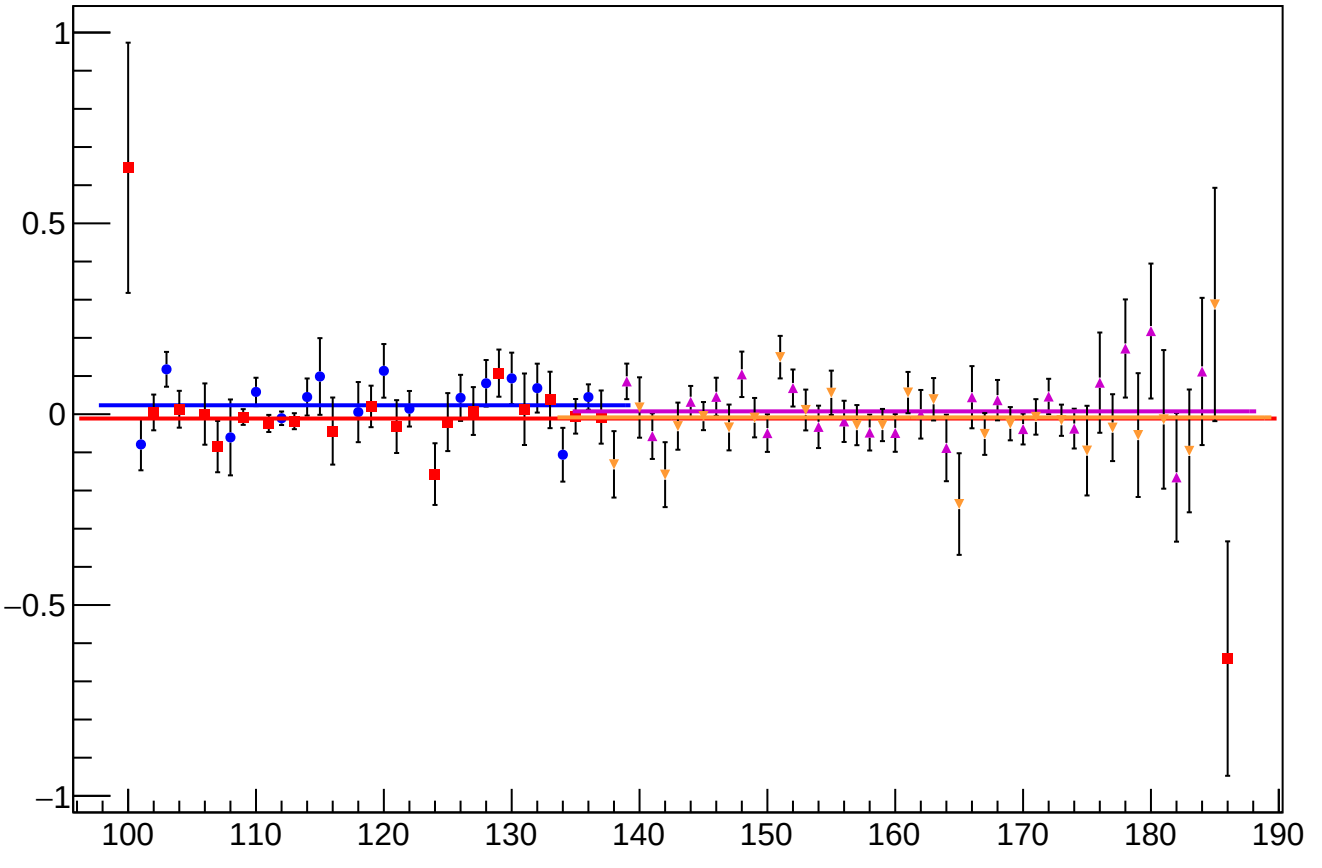
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 2055670.0/35

In: 0.000+/-0.000 χ^2/NDF:3509026.2/38

Out: 0.000+/-0.000 χ^2/NDF:5005679.7/44

All: 0.000+/-0.000 χ^2/NDF: 8523351.7/83



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

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

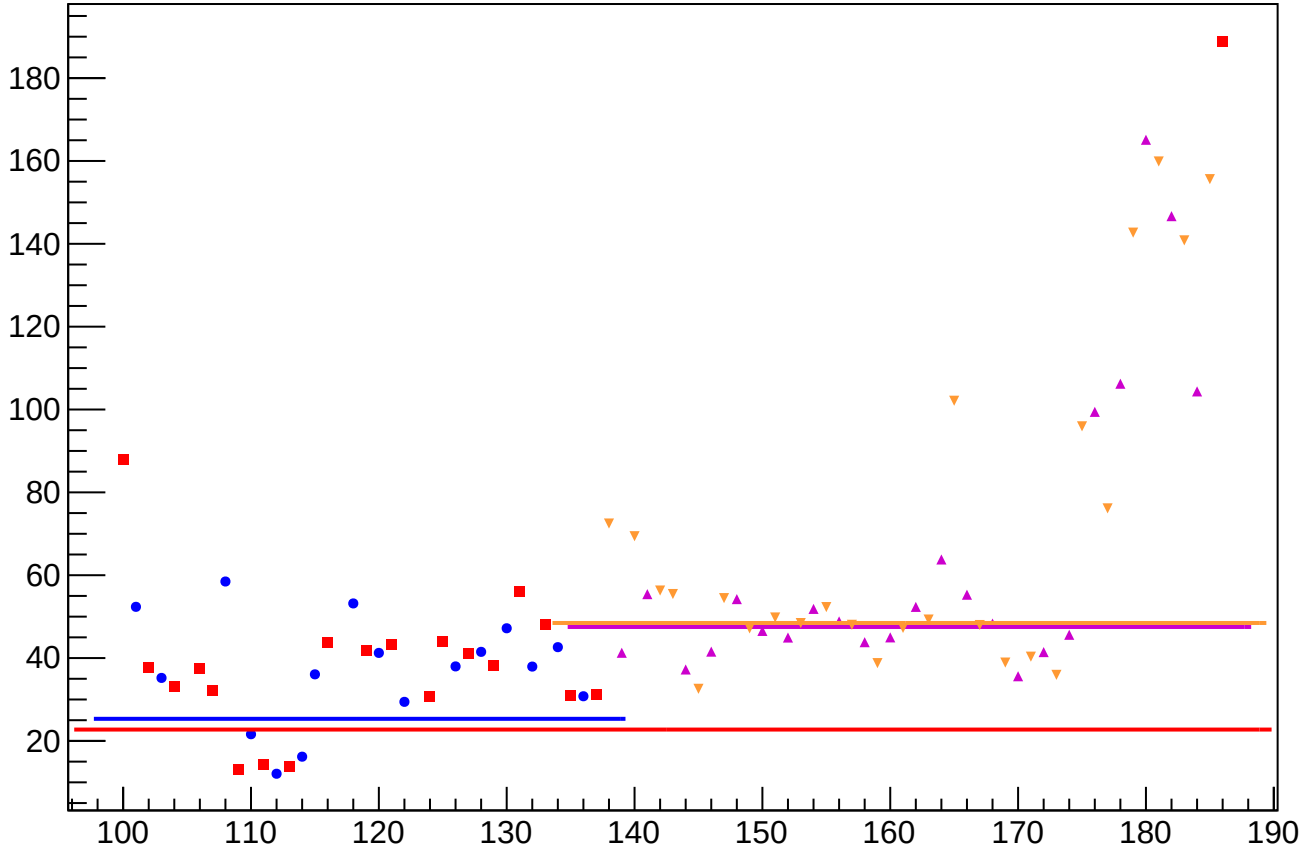
Right: 0.004+/-0.007 χ^2/NDF: 44.7/35

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.1/83

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.471+/-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

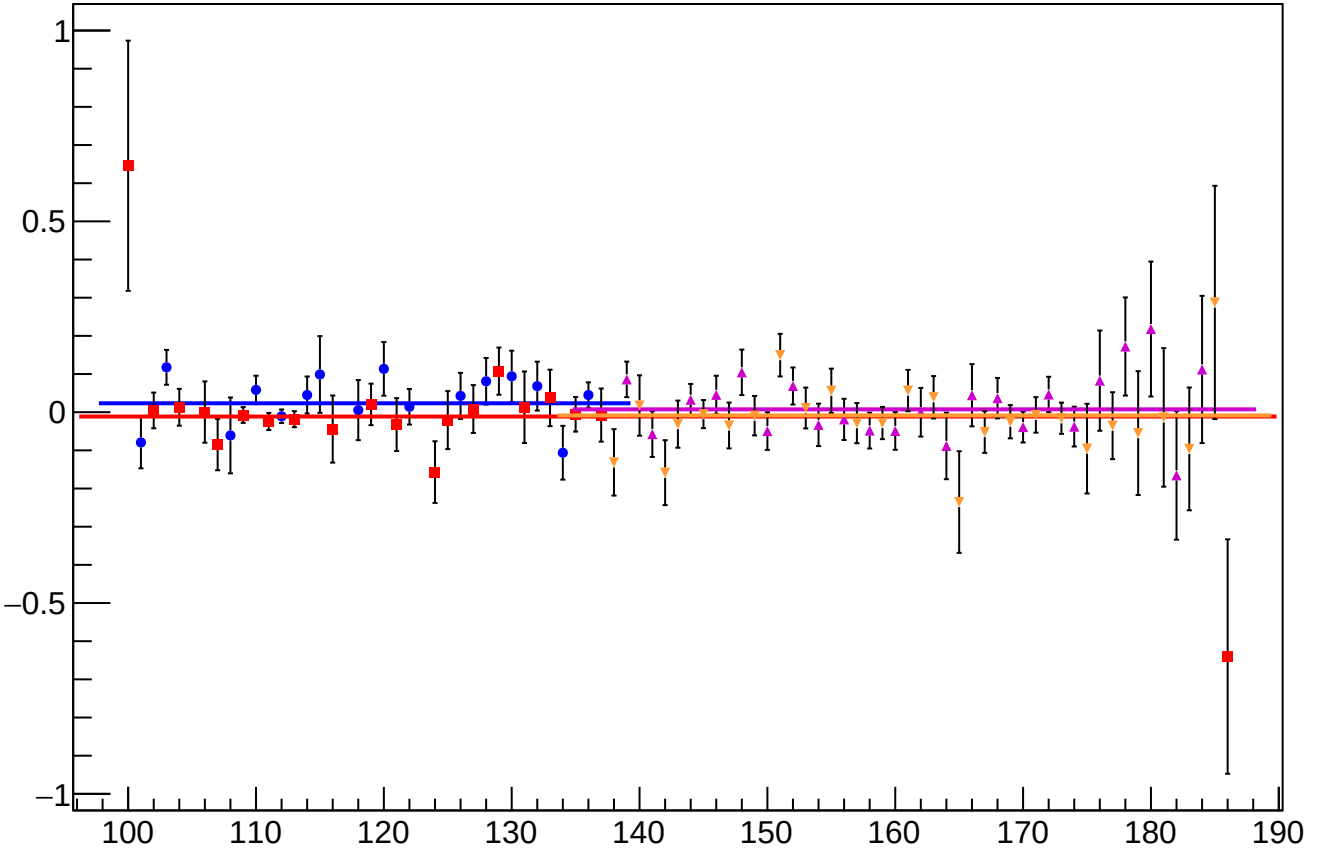
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 23.880+/-0.005 χ^2/NDF: 6711995.9/35

In: 35.497+/-0.006 χ^2/NDF:9678432.6/38

Out: 33.024+/-0.005 χ^2/NDF:13612779.0/44

All: 34.173+/-0.004 χ^2/NDF: 23389820.0/83



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

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

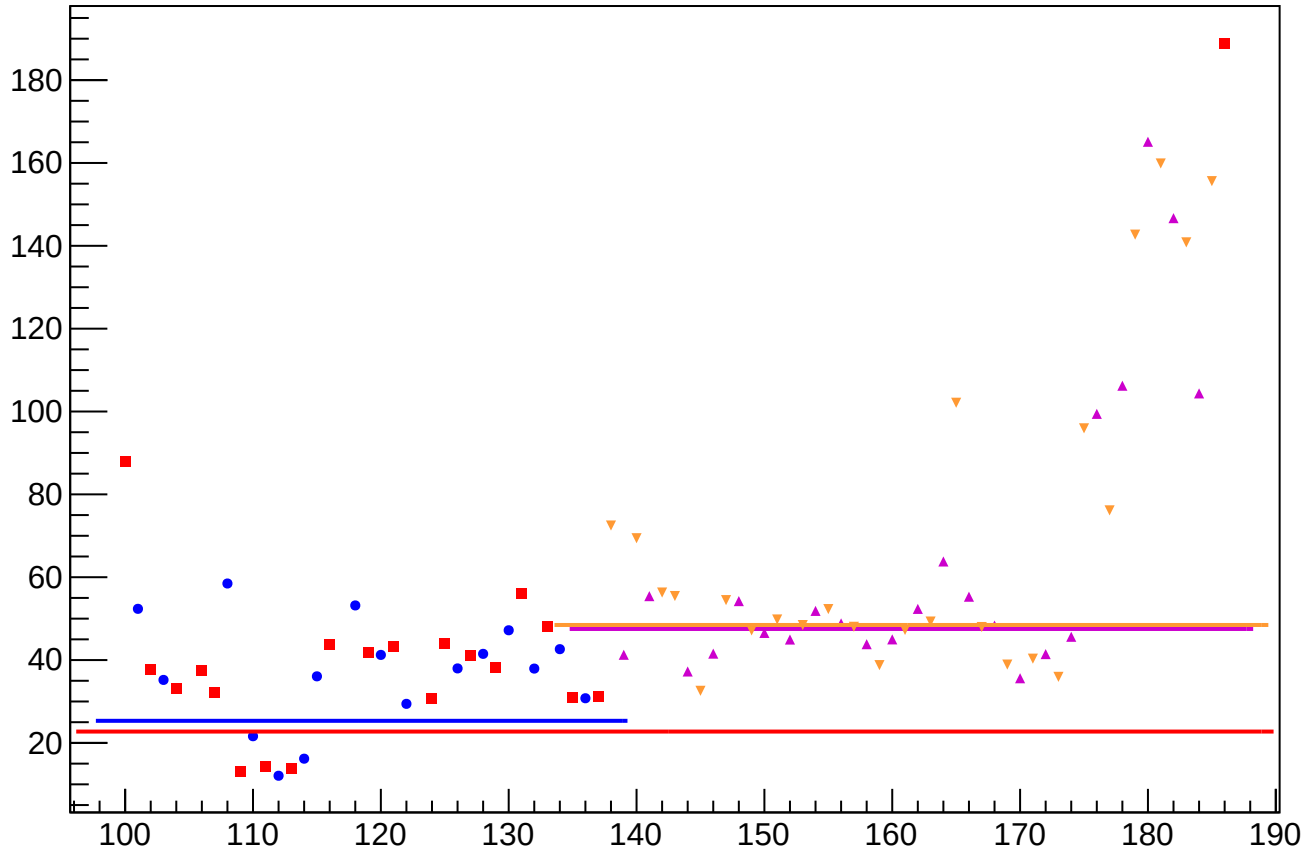
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 44.7/35

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.1/83



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

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

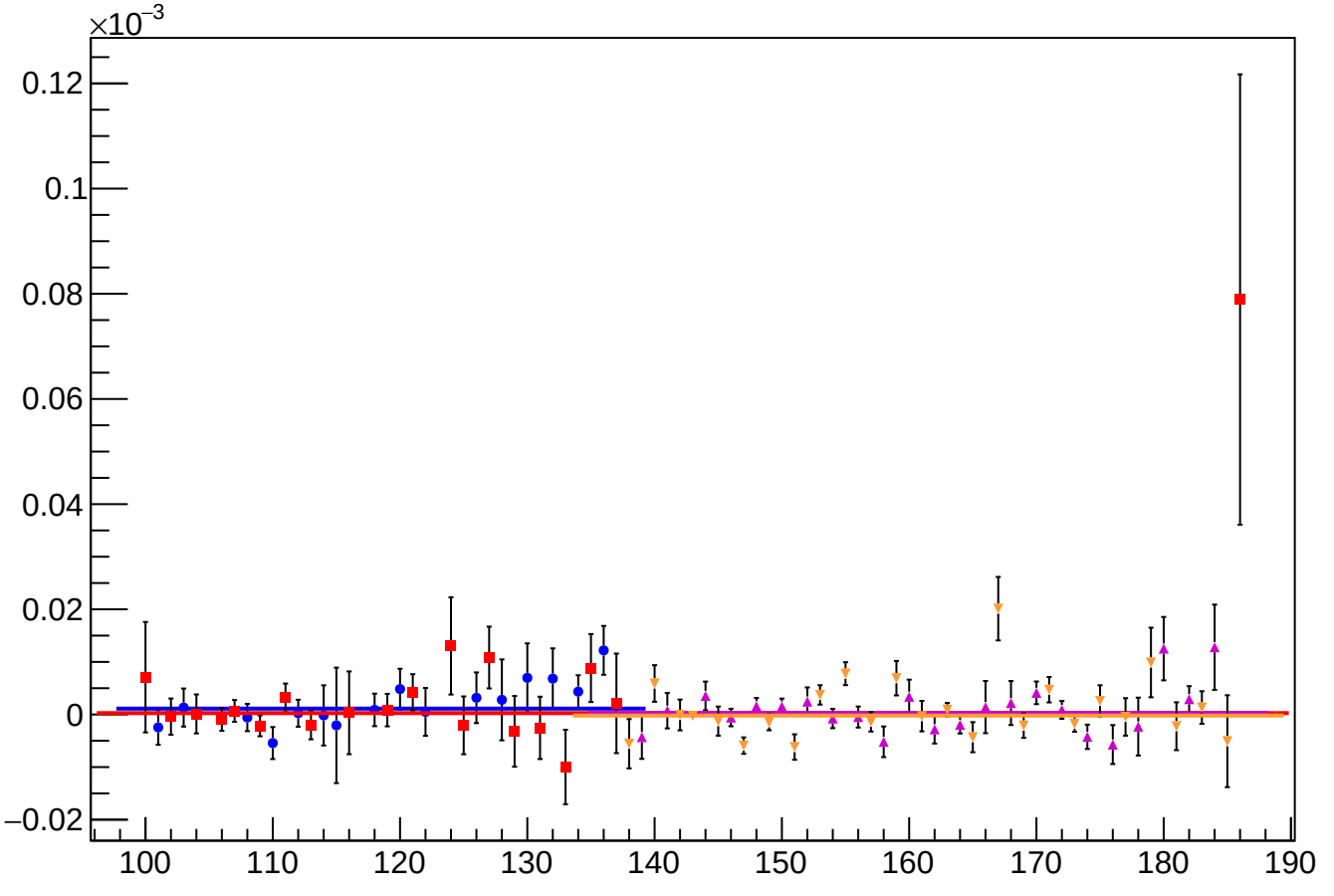
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 23.880+/-0.005 χ^2/NDF: 6711995.9/35

In: 35.497+/-0.006 χ^2/NDF:9678432.6/38

Out: 33.024+/-0.005 χ^2/NDF:13612779.0/44

All: 34.173+/-0.004 χ^2/NDF: 23389820.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

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

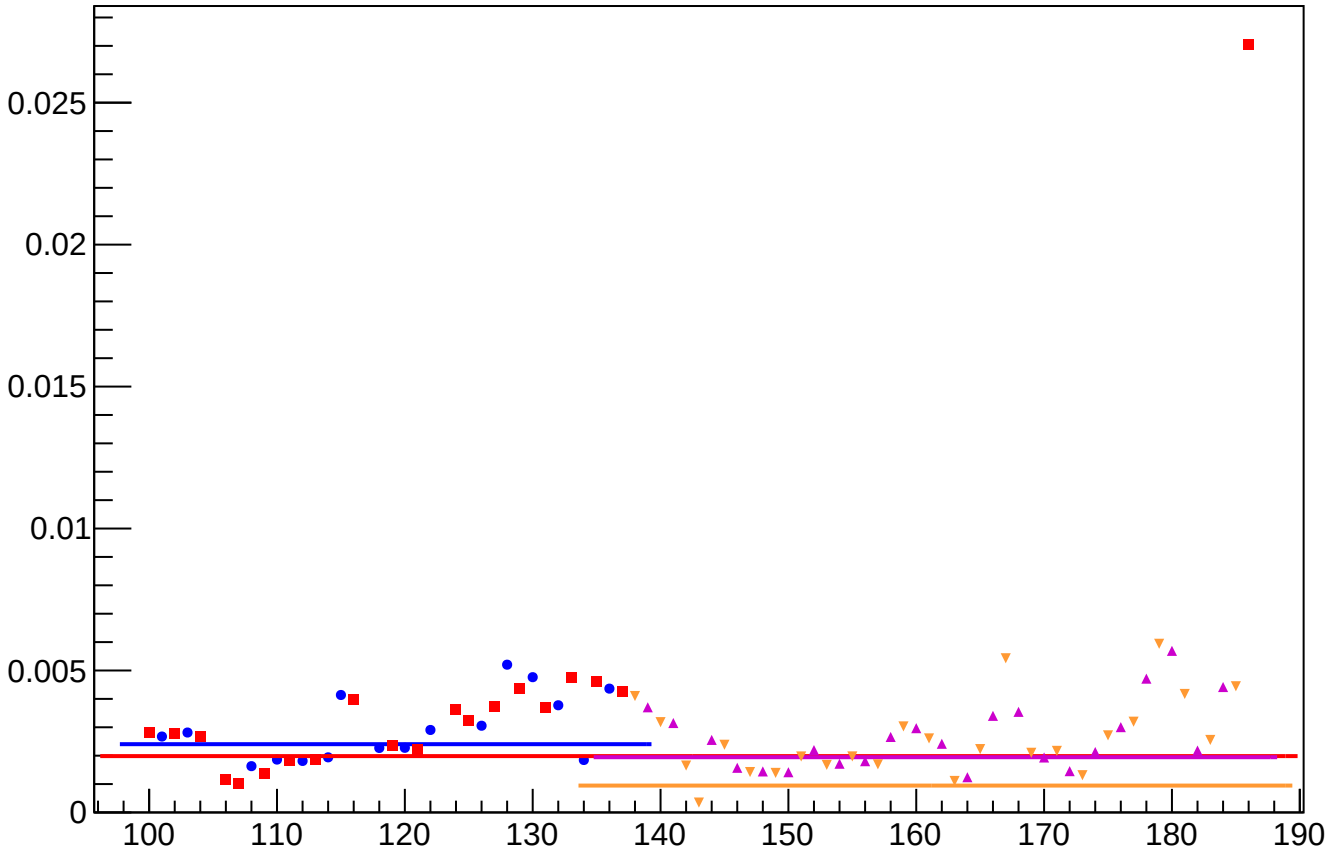
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 35.2/35

In: 0.000+/-0.000 χ^2/NDF:47.7/38

Out: -0.000+/-0.000 χ^2/NDF:90.4/44

All: 0.000+/-0.000 χ^2/NDF: 139.4/83



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

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

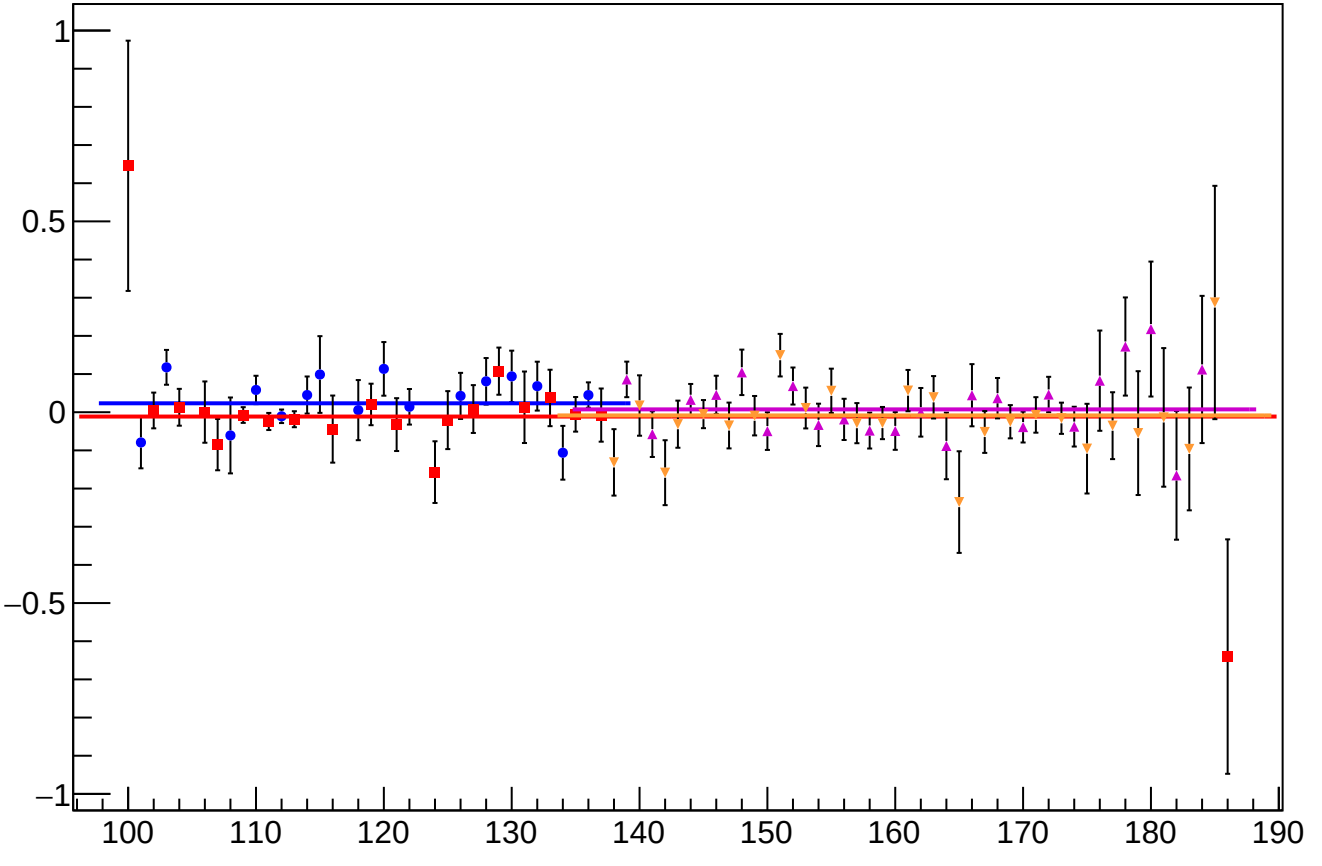
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 5256654.6/35

In: 0.002+/-0.000 χ^2/NDF:6298294.7/38

Out: 0.001+/-0.000 χ^2/NDF:23938100.2/44

All: 0.001+/-0.000 χ^2/NDF: 37124091.1/83



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

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

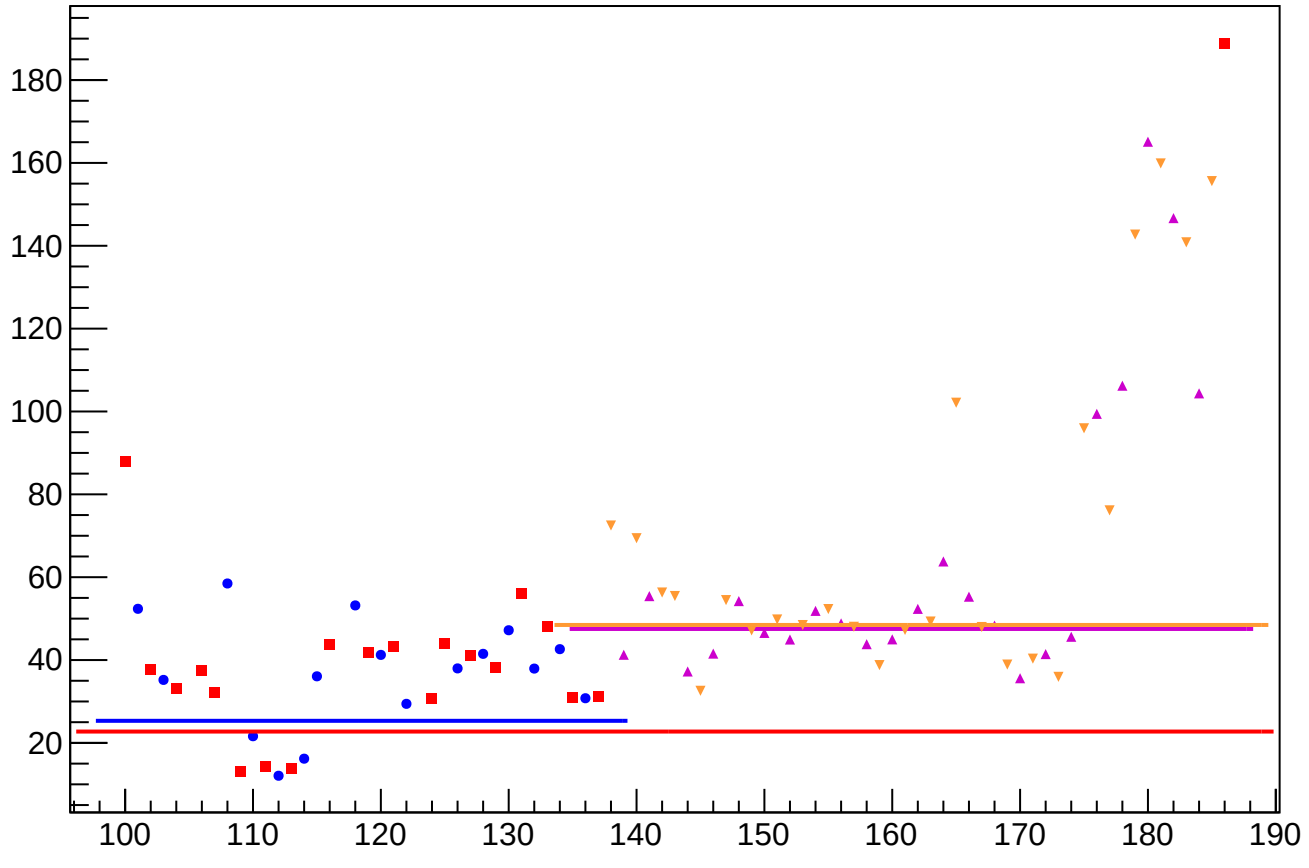
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 44.7/35

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.1/83



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

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

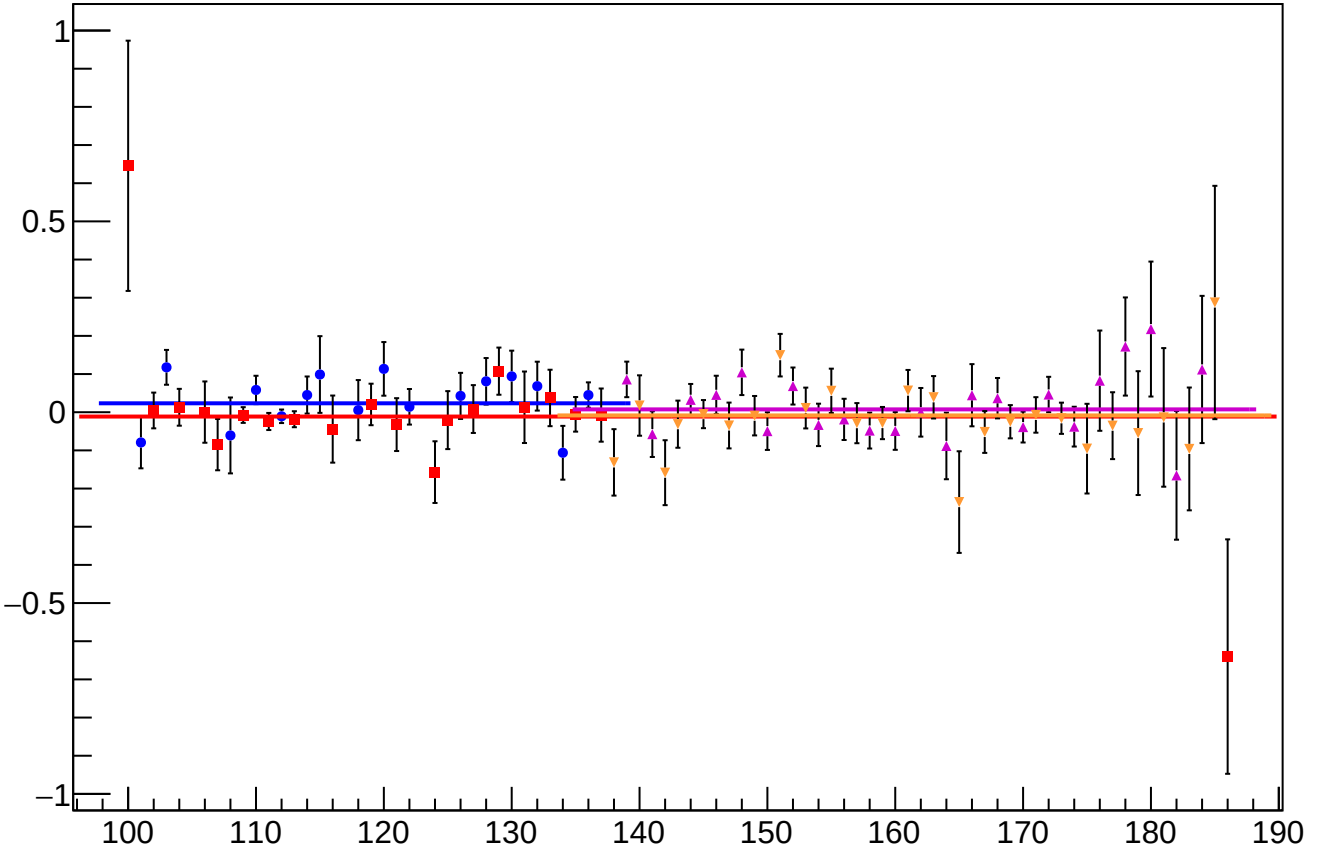
Right: 23.879+/-0.005 χ^2/NDF: 6712500.9/35

In: 35.496+/-0.006 χ^2/NDF:9679414.5/38

Out: 33.024+/-0.005 χ^2/NDF:13613123.7/44

All: 34.173+/-0.004 χ^2/NDF: 23391089.2/83

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-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

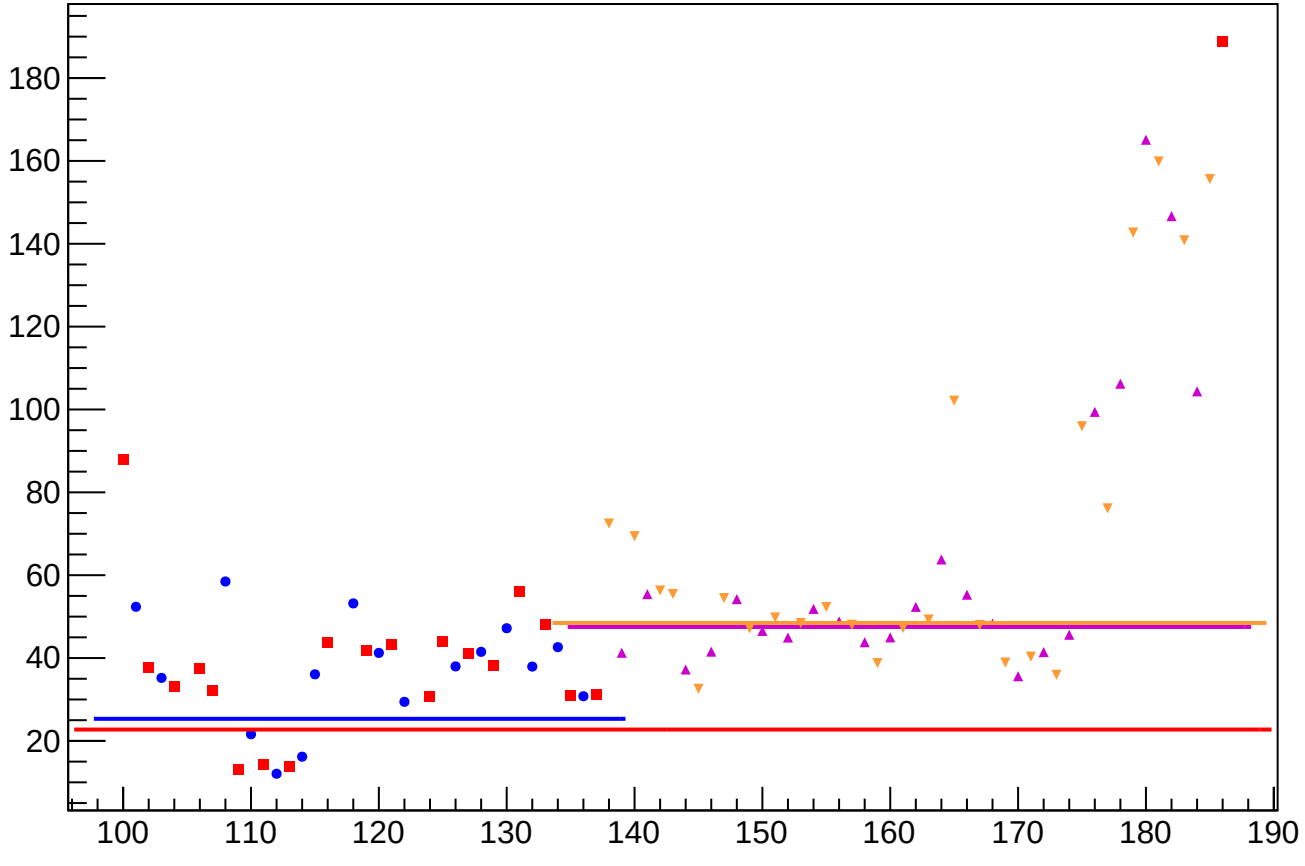
Right: 0.004+/-0.007 χ^2/NDF: 44.7/35

In: 0.016+/-0.008 χ^2/NDF:44.9/38

Out: -0.010+/-0.008 χ^2/NDF:41.6/44

All: 0.002+/-0.006 χ^2/NDF: 92.1/83

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.471+/-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

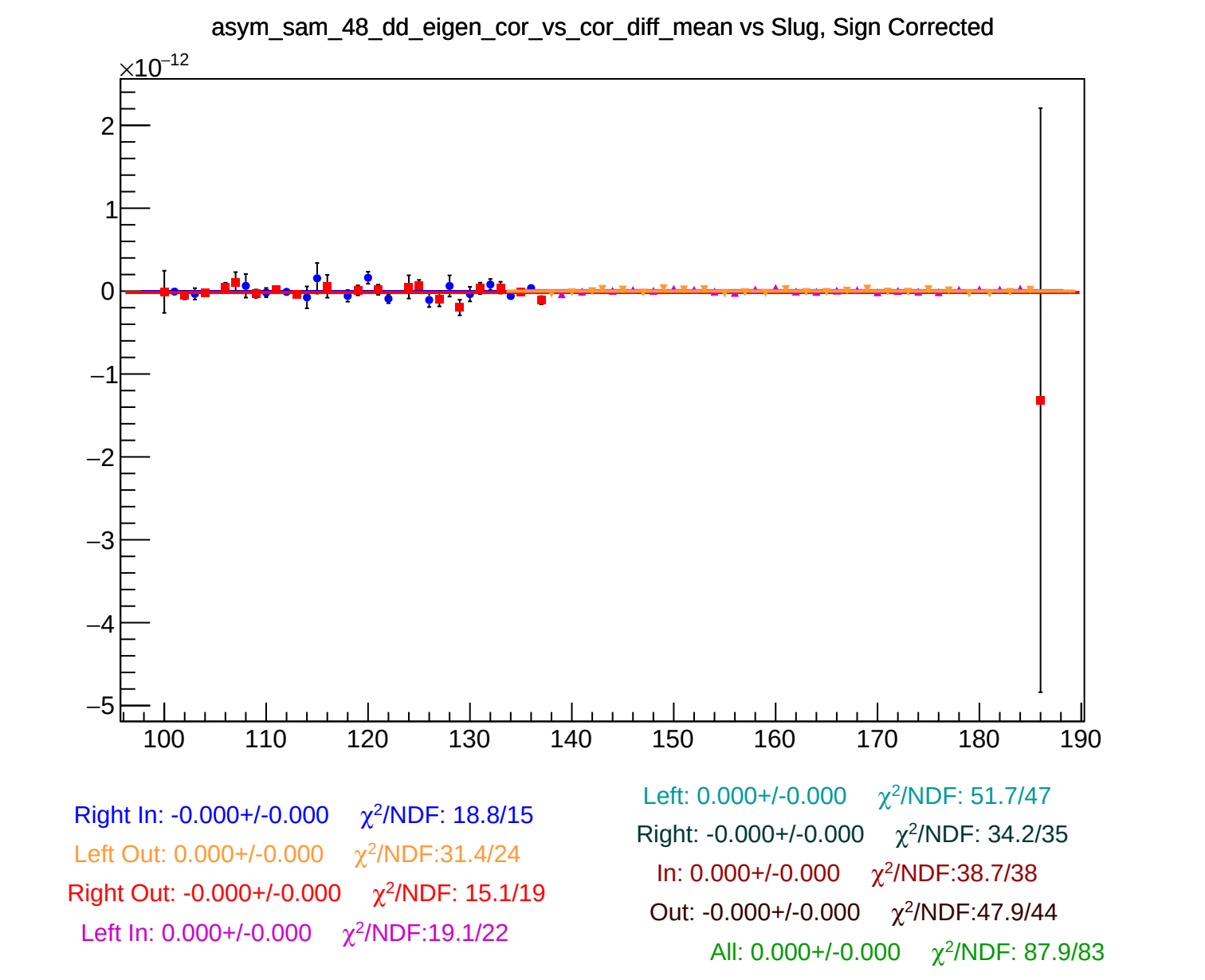
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

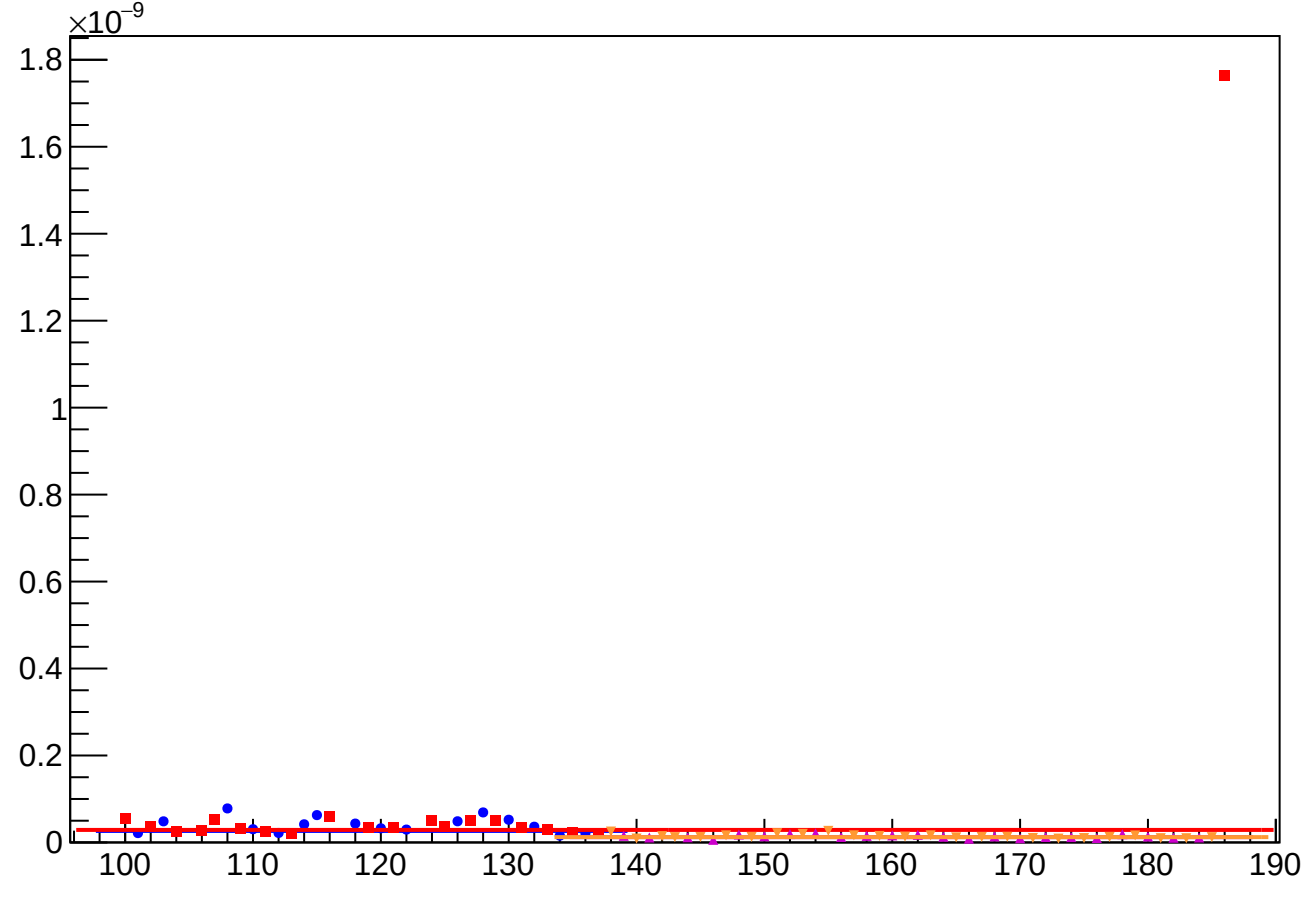
Right: 23.879+/-0.005 χ^2/NDF: 6712500.9/35

In: 35.496+/-0.006 χ^2/NDF:9679414.5/38

Out: 33.024+/-0.005 χ^2/NDF:13613123.7/44

All: 34.173+/-0.004 χ^2/NDF: 23391089.2/83


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: 18.8/15
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: 34.2/35
In: 0.000+/-0.000 χ²/NDF:38.7/38
Out: -0.000+/-0.000 χ²/NDF:47.9/44
All: 0.000+/-0.000 χ²/NDF: 87.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

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

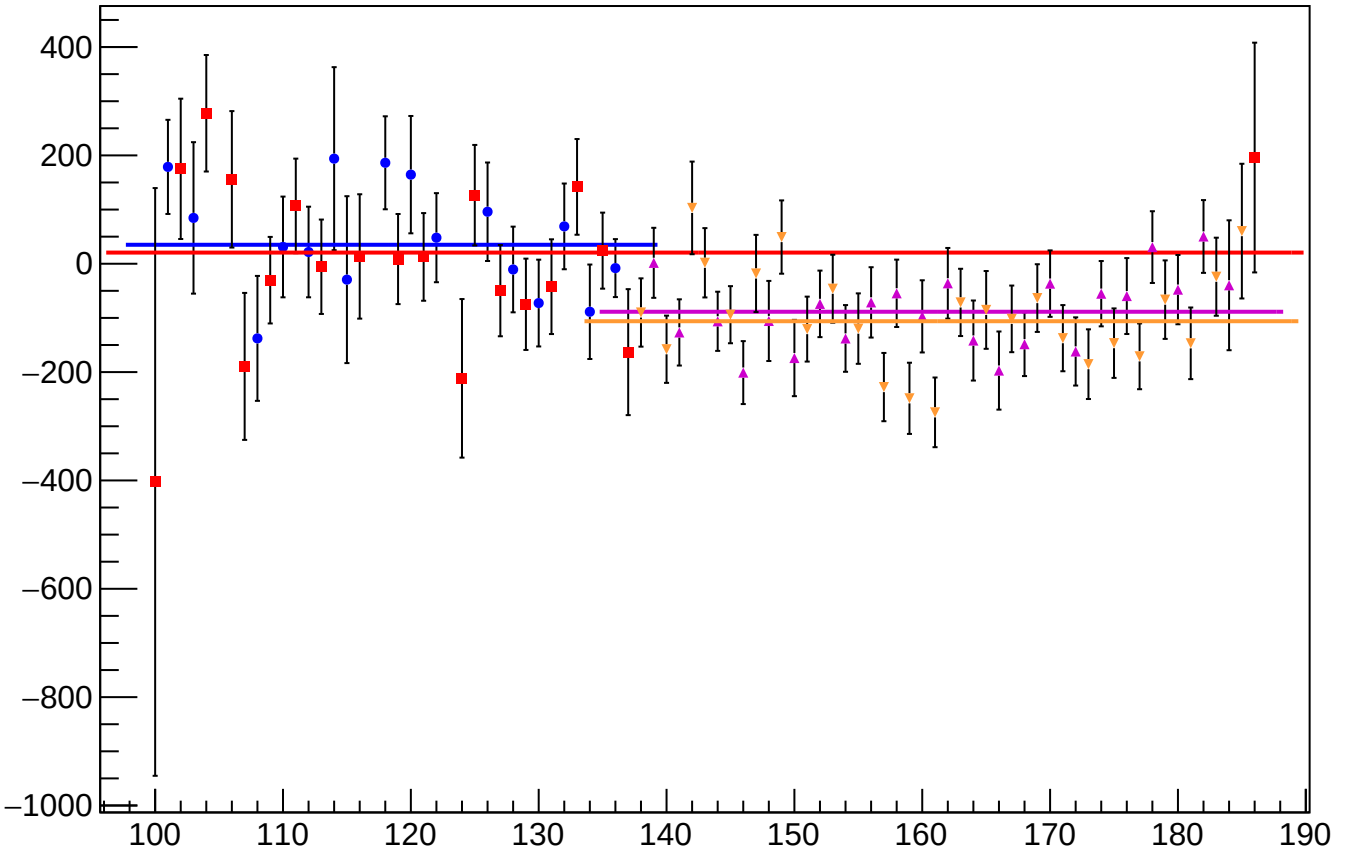
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3120276.9/35

In: 0.000+/-0.000 χ^2/NDF:5968251.7/38

Out: 0.000+/-0.000 χ^2/NDF:6214467.0/44

All: 0.000+/-0.000 χ^2/NDF: 12182957.2/83



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

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

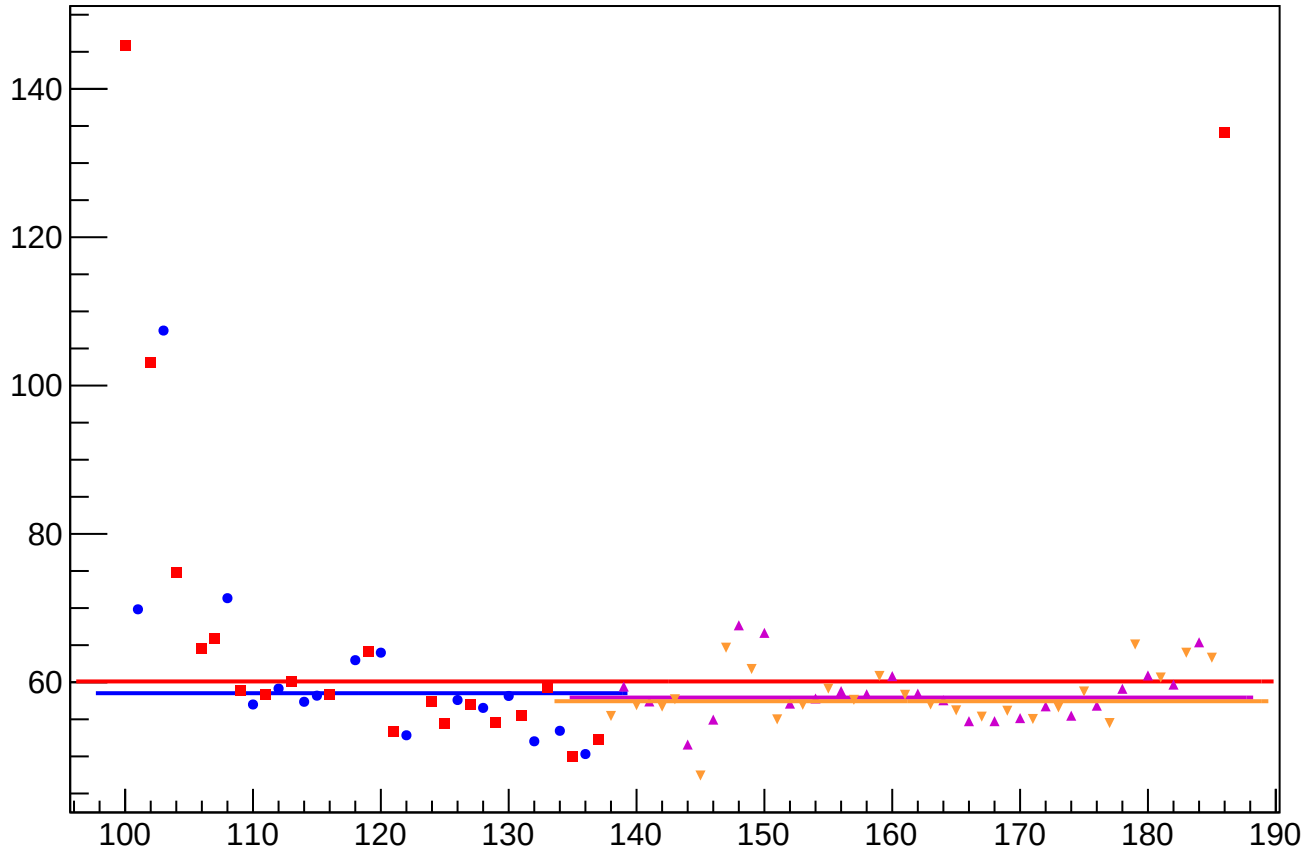
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 27.772+/-15.610 χ^2/NDF: 40.6/35

In: -54.857+/-11.567 χ^2/NDF:62.8/38

Out: -73.014+/-11.251 χ^2/NDF:89.3/44

All: -64.187+/-8.065 χ^2/NDF: 153.4/83



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

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

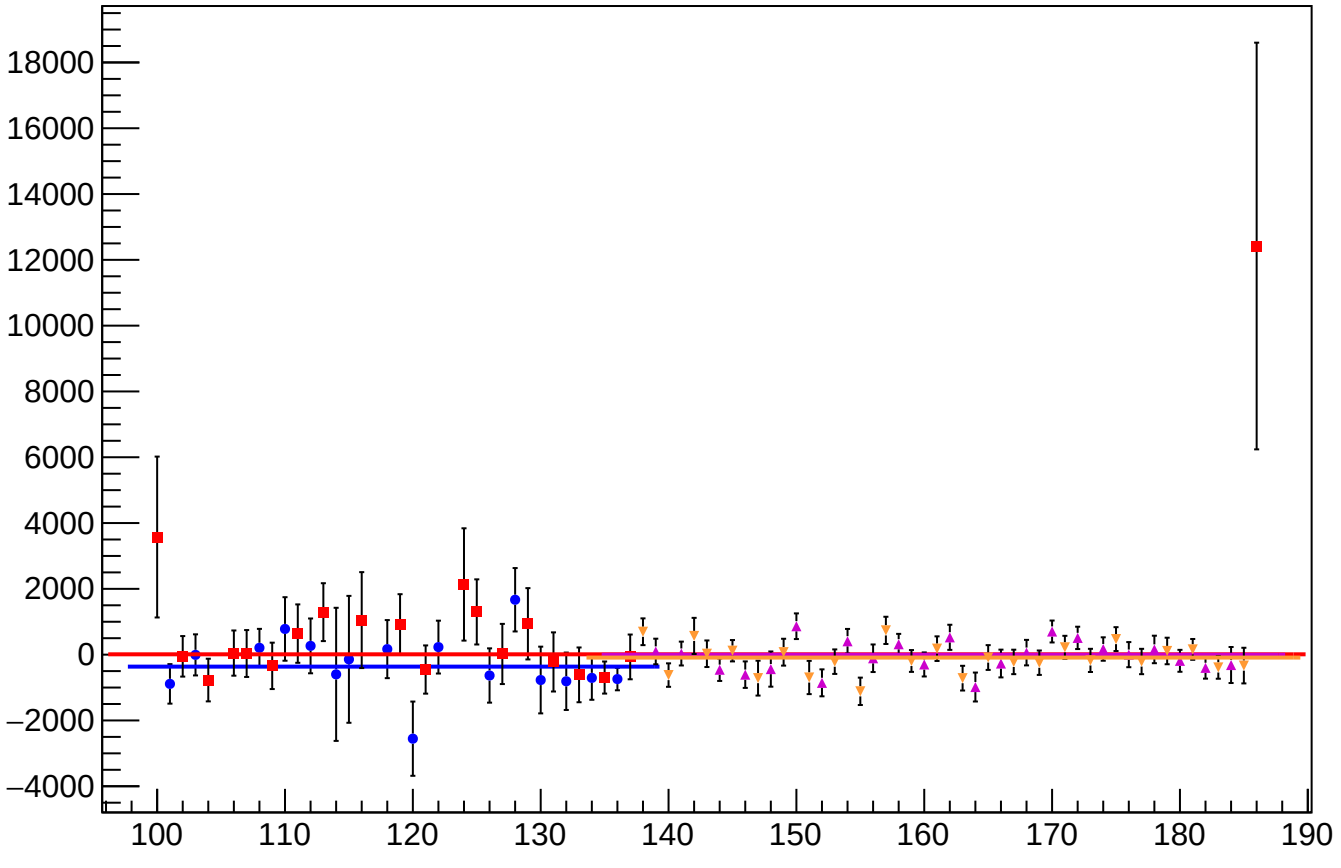
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 59.319+/-0.011 χ^2/NDF: 1050499.3/35

In: 58.094+/-0.008 χ^2/NDF:529674.7/38

Out: 58.137+/-0.008 χ^2/NDF:848838.1/44

All: 58.116+/-0.006 χ^2/NDF: 1378527.1/83



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

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

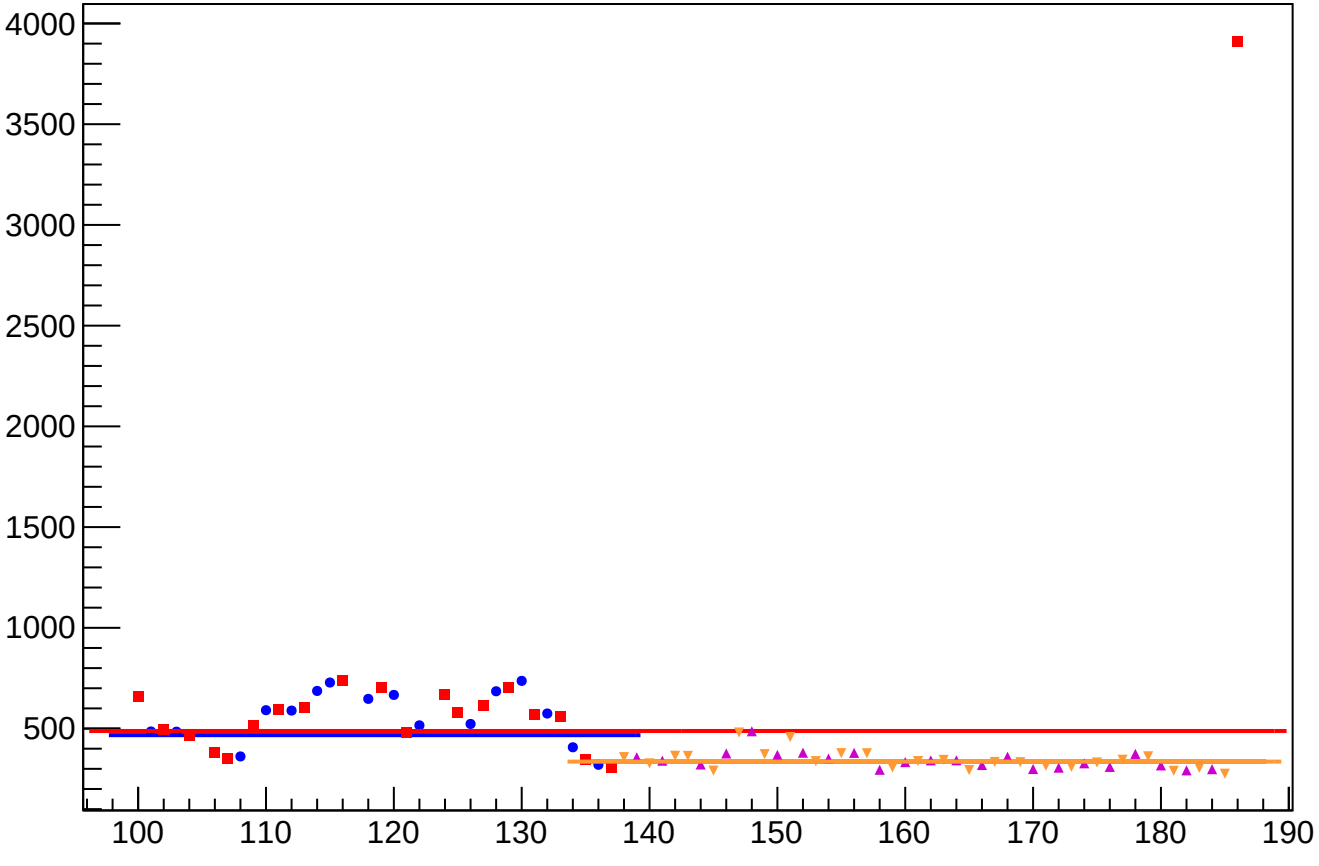
Right: -179.354+/-128.546 χ^2/NDF: 36.5/35

In: -61.270+/-72.527 χ^2/NDF:52.2/38

Out: -74.108+/-70.982 χ^2/NDF:49.3/44

All: -67.827+/-50.729 χ^2/NDF: 101.5/83

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 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

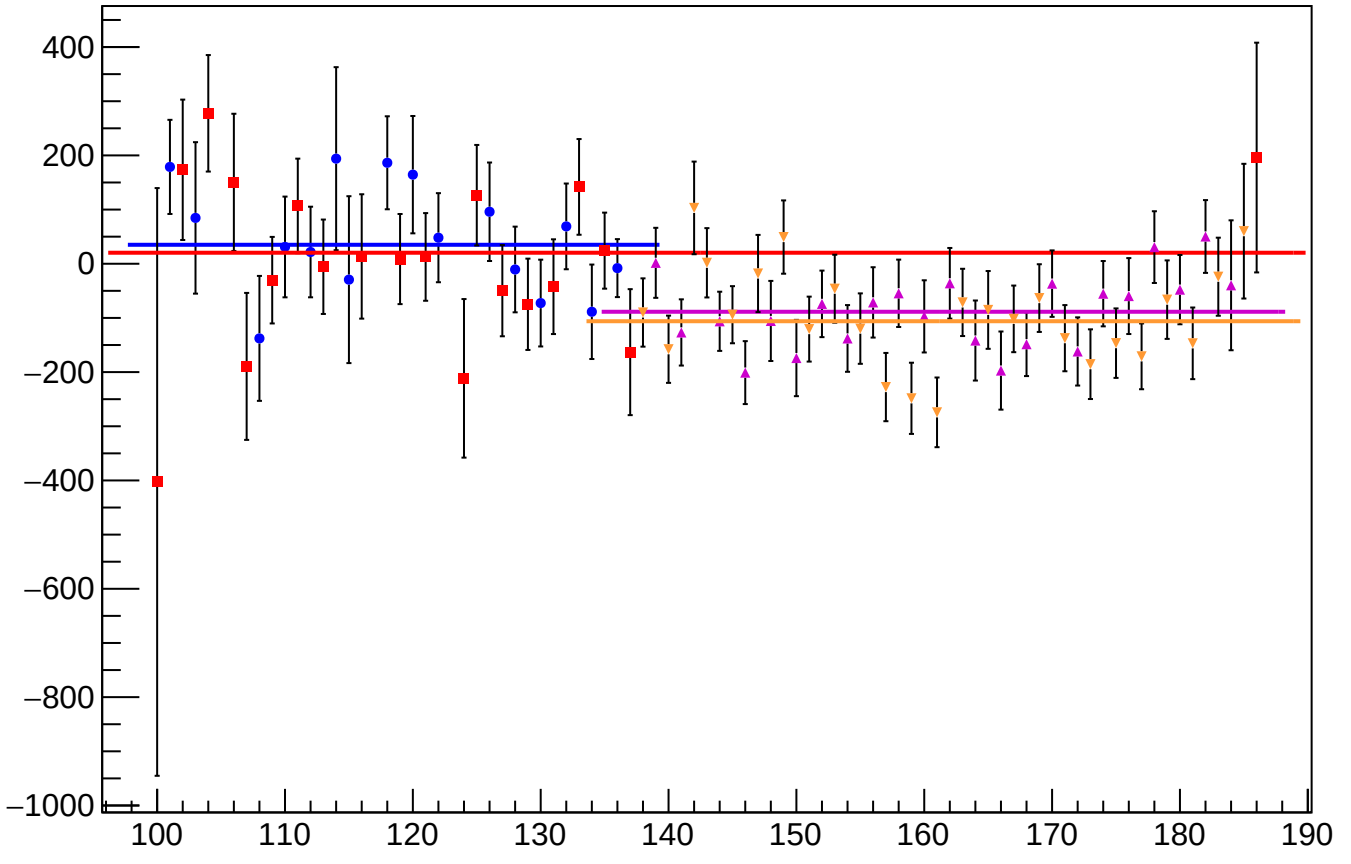
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 477.388+/-0.091 χ^2/NDF: 2531300.2/35

In: 357.425+/-0.051 χ^2/NDF:2323360.4/38

Out: 358.775+/-0.050 χ^2/NDF:3195162.9/44

All: 358.115+/-0.036 χ^2/NDF: 5518877.1/83



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

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

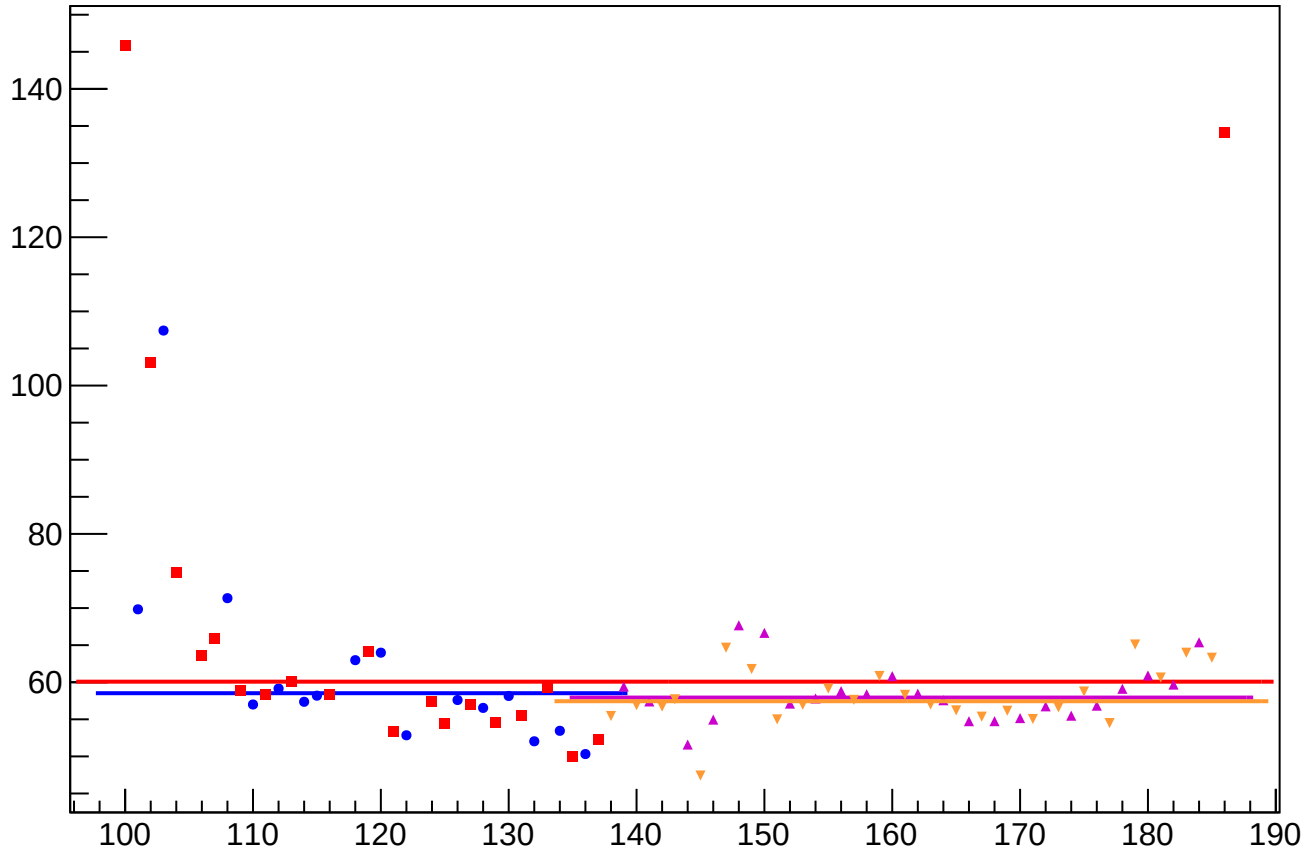
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 27.637+/-15.611 χ^2/NDF: 40.5/35

In: -54.860+/-11.567 χ^2/NDF:62.8/38

Out: -73.093+/-11.252 χ^2/NDF:89.1/44

All: -64.228+/-8.065 χ^2/NDF: 153.1/83



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

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

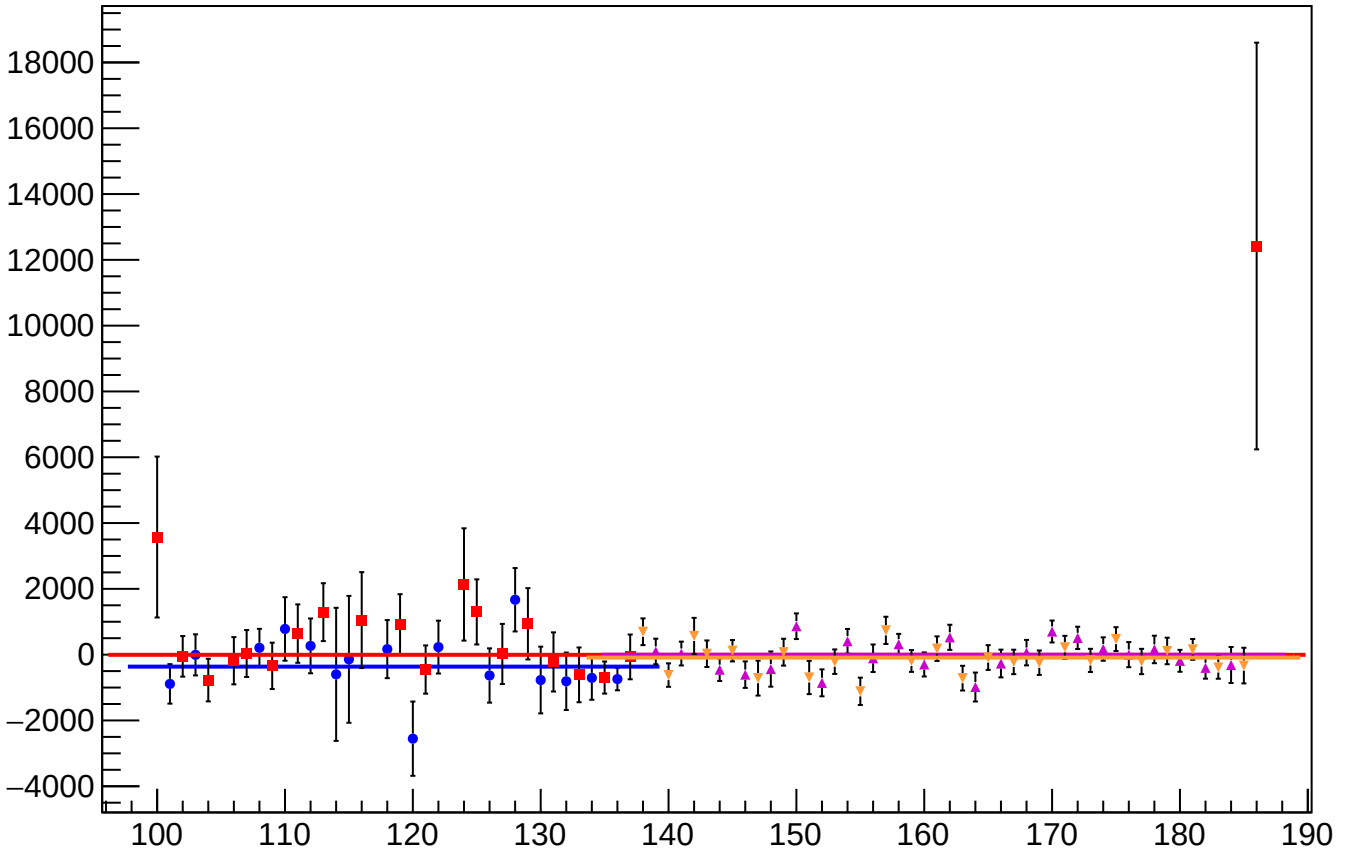
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 59.303+/-0.011 χ^2/NDF: 1049512.8/35

In: 58.094+/-0.008 χ^2/NDF:529676.8/38

Out: 58.128+/-0.008 χ^2/NDF:847541.5/44

All: 58.111+/-0.006 χ^2/NDF: 1377227.6/83



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

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

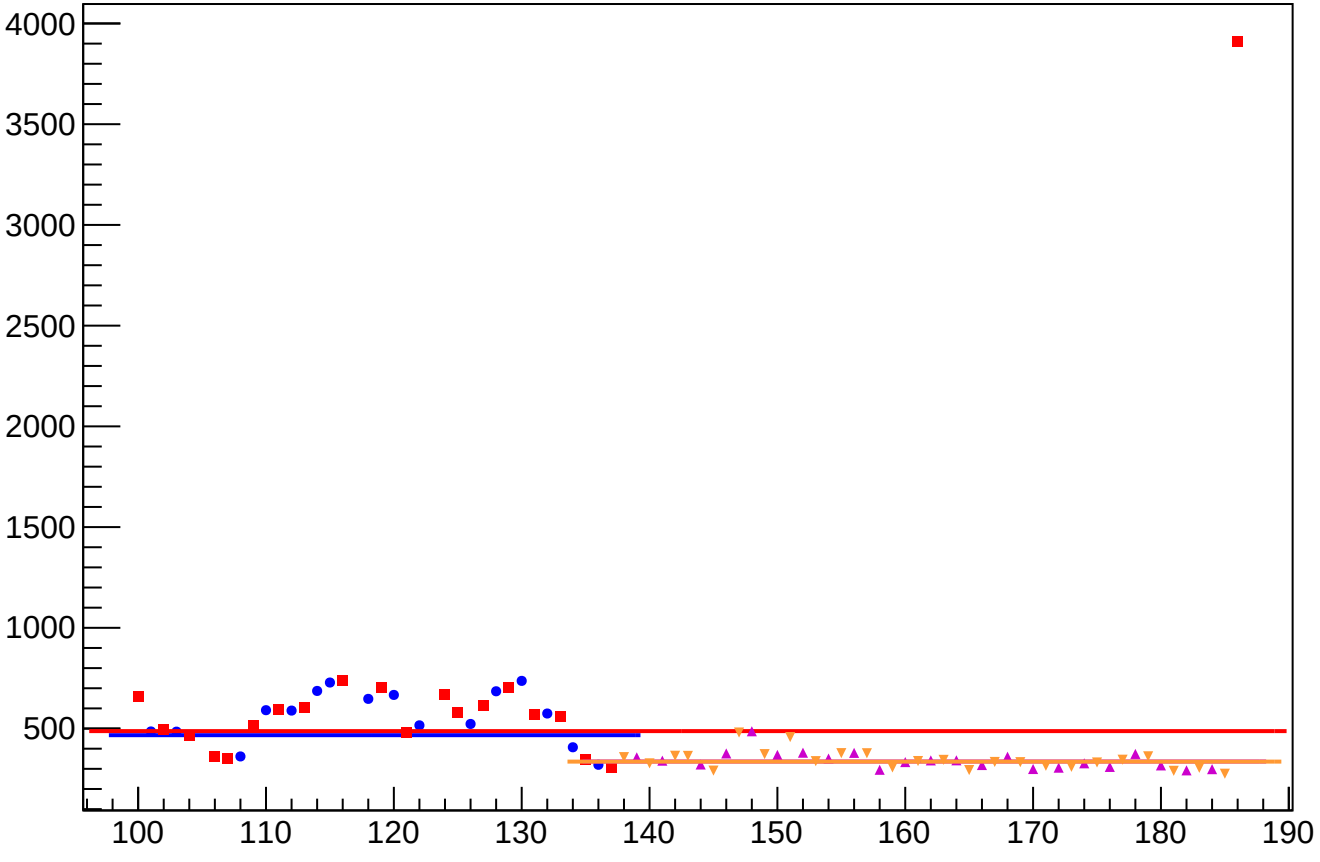
Right: -187.503+/-128.741 χ^2/NDF: 36.4/35

In: -61.265+/-72.527 χ^2/NDF:52.2/38

Out: -76.498+/-71.015 χ^2/NDF:49.3/44

All: -69.042+/-50.741 χ^2/NDF: 101.5/83

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 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

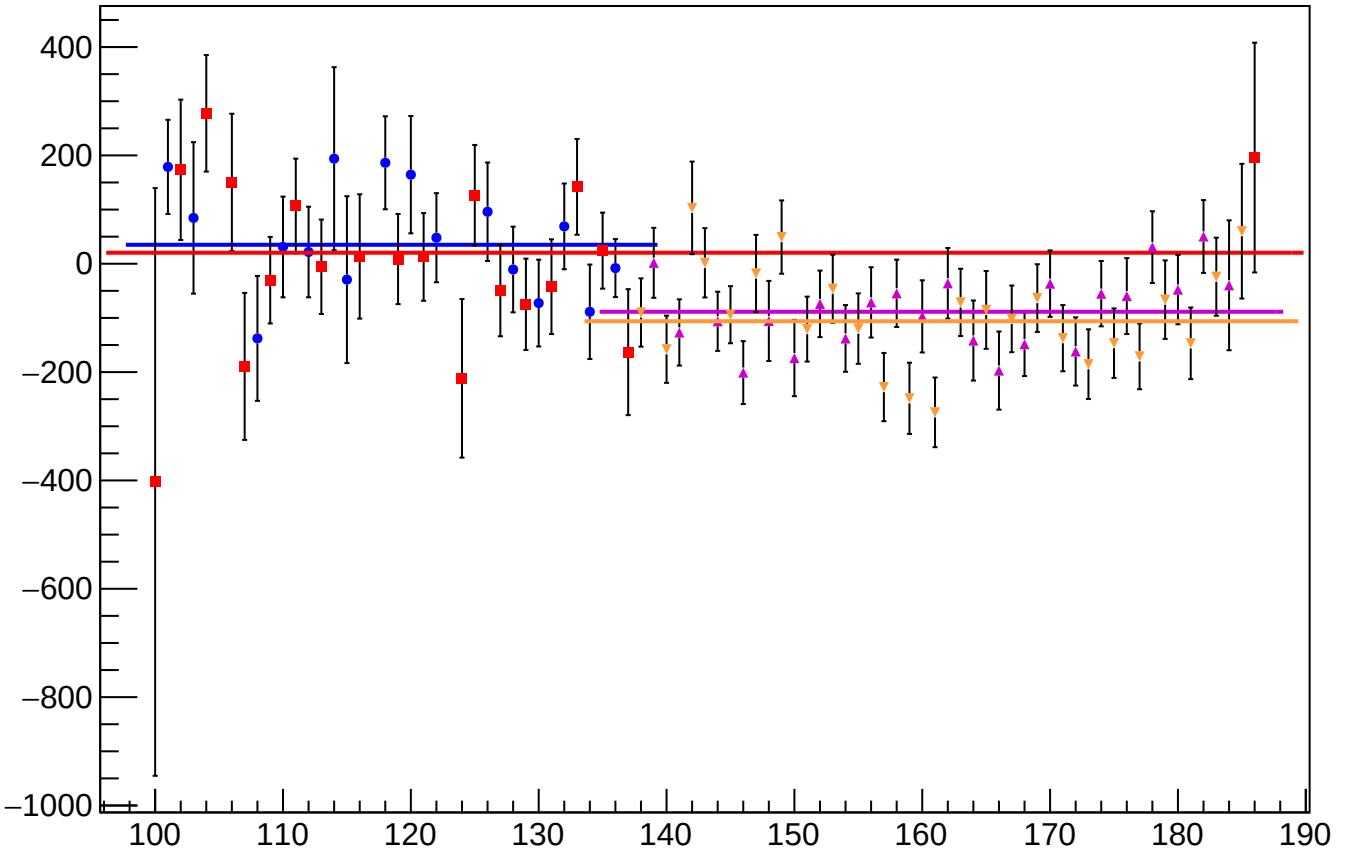
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 477.018+/-0.091 χ^2/NDF: 2545348.6/35

In: 357.425+/-0.051 χ^2/NDF:2323393.6/38

Out: 358.553+/-0.050 χ^2/NDF:3193430.8/44

All: 358.001+/-0.036 χ^2/NDF: 5517071.0/83



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

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

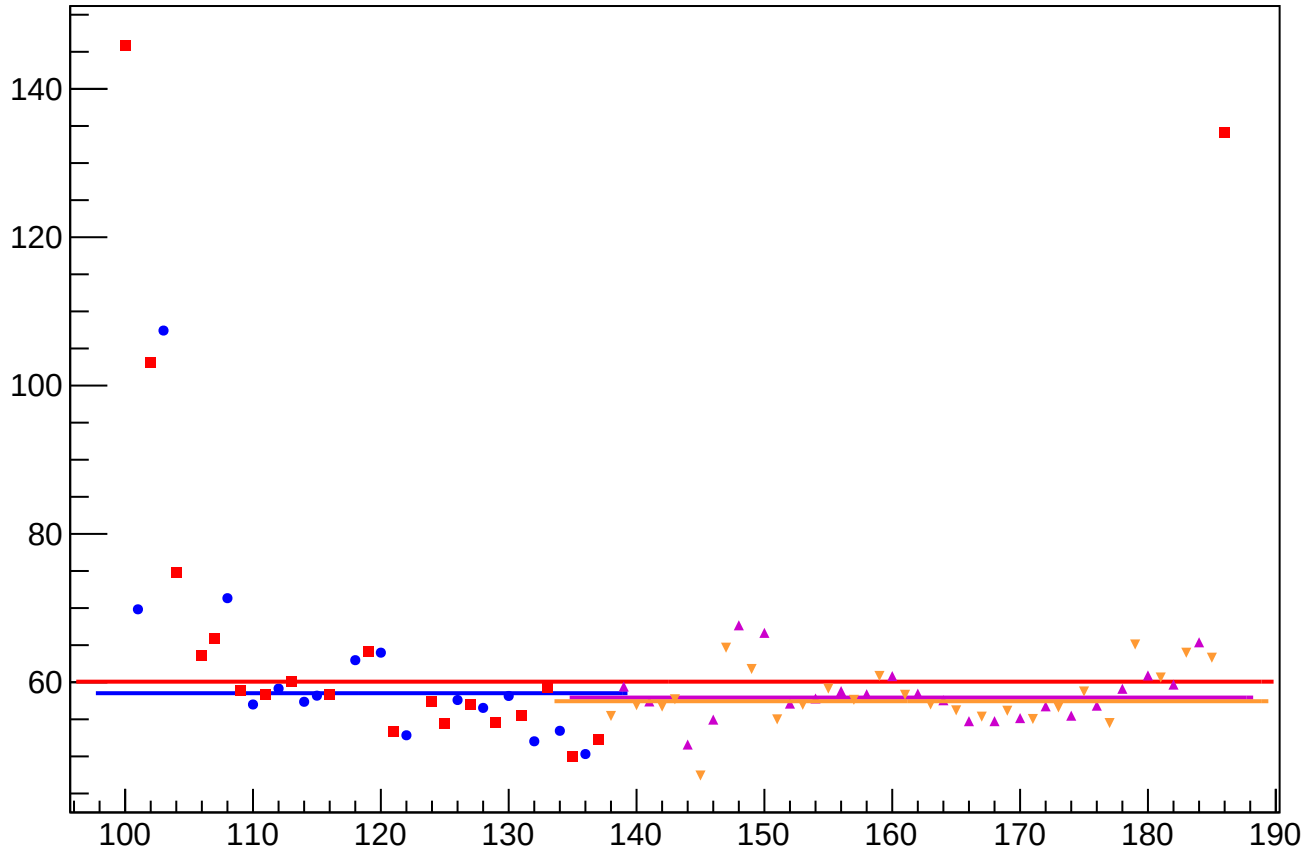
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 27.637+/-15.611 χ^2/NDF: 40.5/35

In: -54.860+/-11.567 χ^2/NDF:62.8/38

Out: -73.093+/-11.252 χ^2/NDF:89.1/44

All: -64.228+/-8.065 χ^2/NDF: 153.1/83



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

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

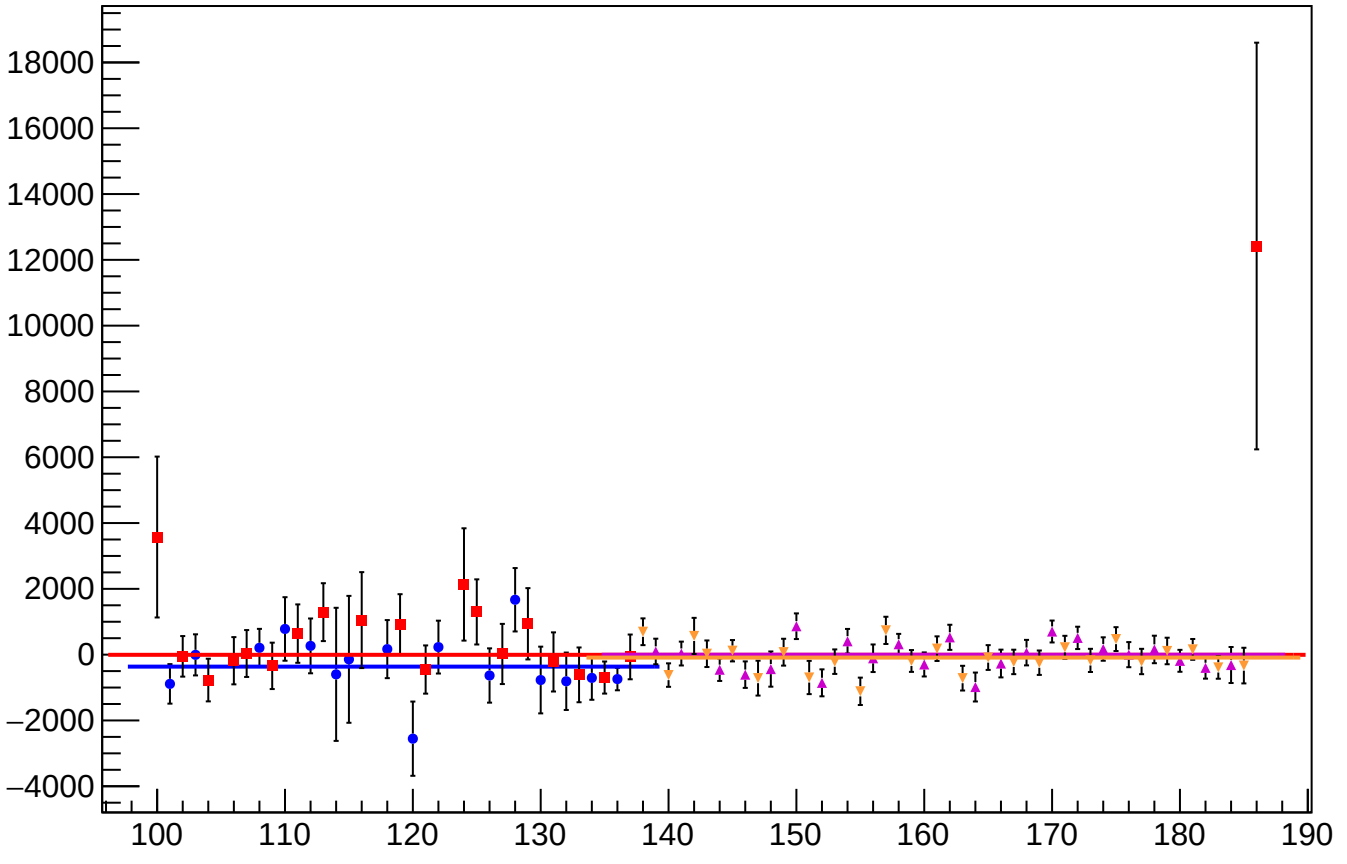
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 59.303+/-0.011 χ^2/NDF: 1049512.8/35

In: 58.094+/-0.008 χ^2/NDF:529676.8/38

Out: 58.128+/-0.008 χ^2/NDF:847541.5/44

All: 58.111+/-0.006 χ^2/NDF: 1377227.6/83



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

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

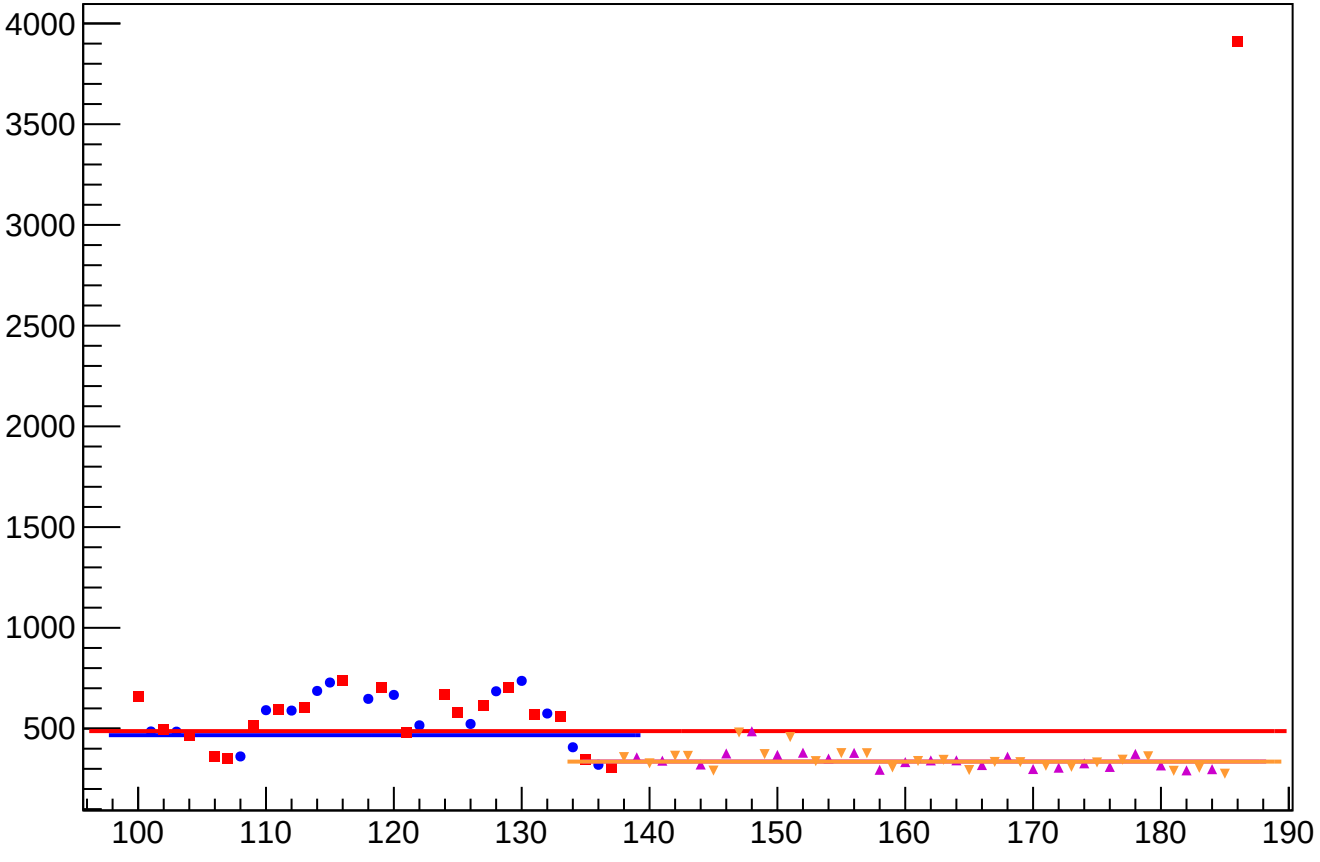
Right: -187.503+/-128.741 χ^2/NDF: 36.4/35

In: -61.265+/-72.527 χ^2/NDF:52.2/38

Out: -76.498+/-71.015 χ^2/NDF:49.3/44

All: -69.042+/-50.741 χ^2/NDF: 101.5/83

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 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

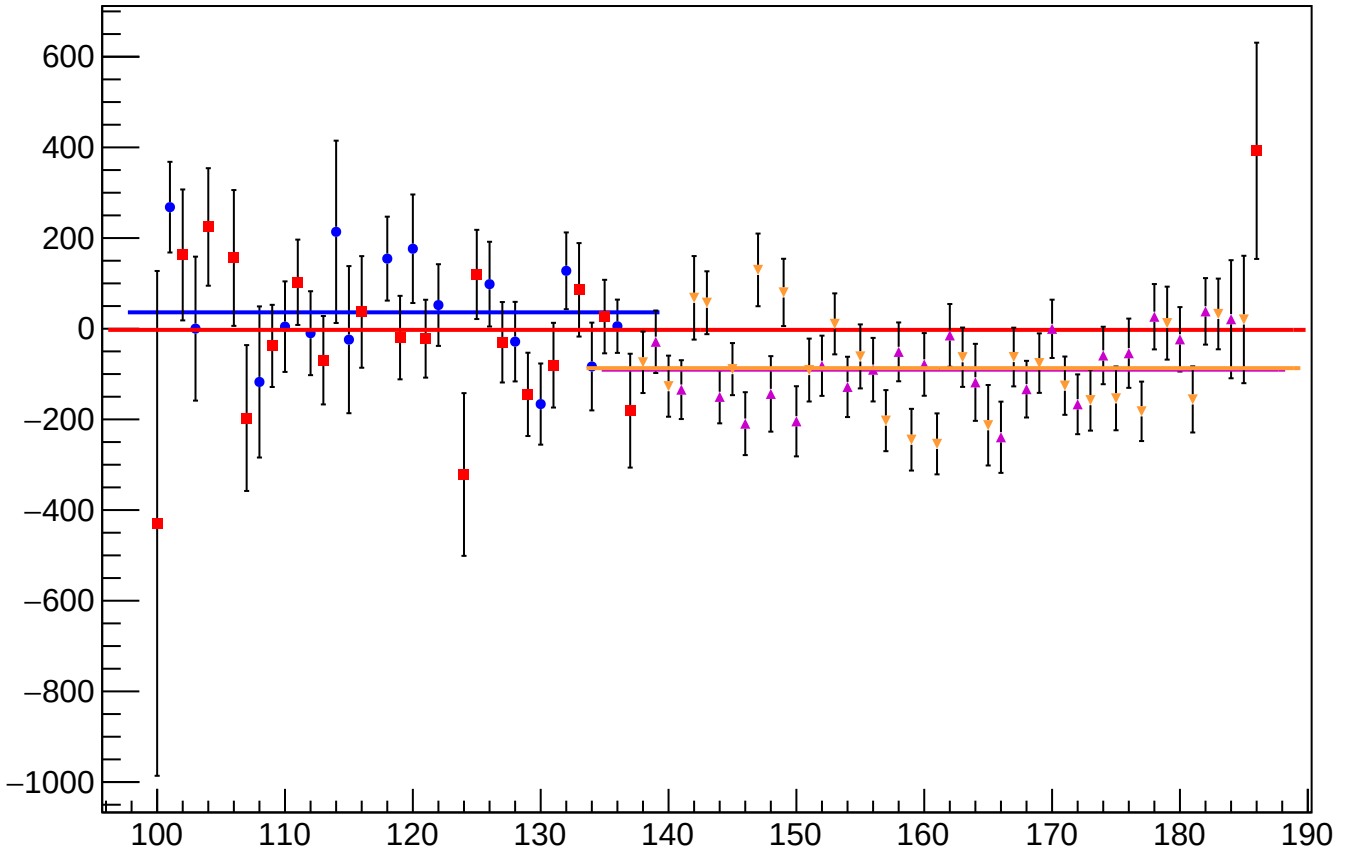
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 477.018+/-0.091 χ^2/NDF: 2545348.6/35

In: 357.425+/-0.051 χ^2/NDF:2323393.6/38

Out: 358.553+/-0.050 χ^2/NDF:3193430.8/44

All: 358.001+/-0.036 χ^2/NDF: 5517071.0/83



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

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

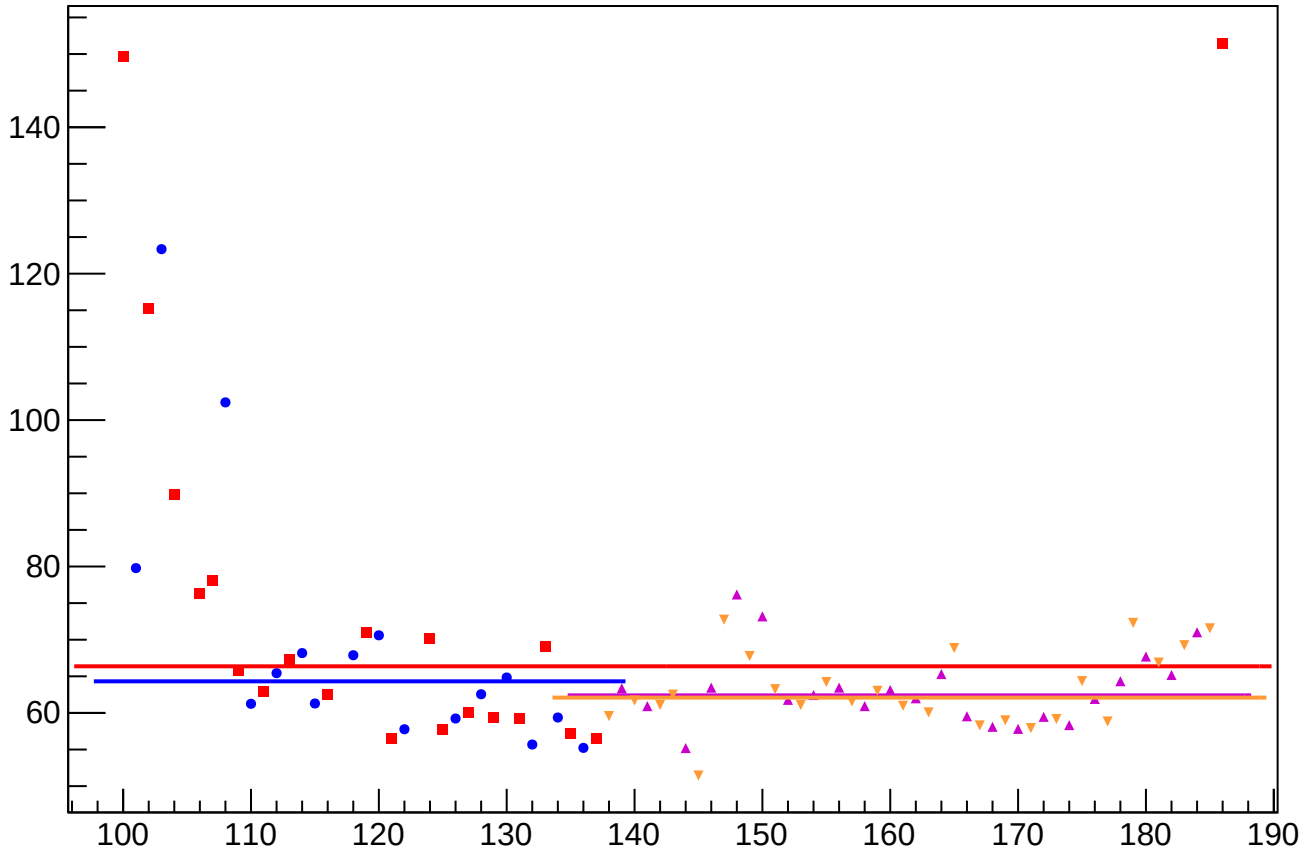
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 16.778+/-17.291 χ^2/NDF: 44.0/35

In: -56.961+/-12.574 χ^2/NDF:64.4/38

Out: -65.705+/-12.261 χ^2/NDF:80.9/44

All: -61.443+/-8.778 χ^2/NDF: 145.5/83



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

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

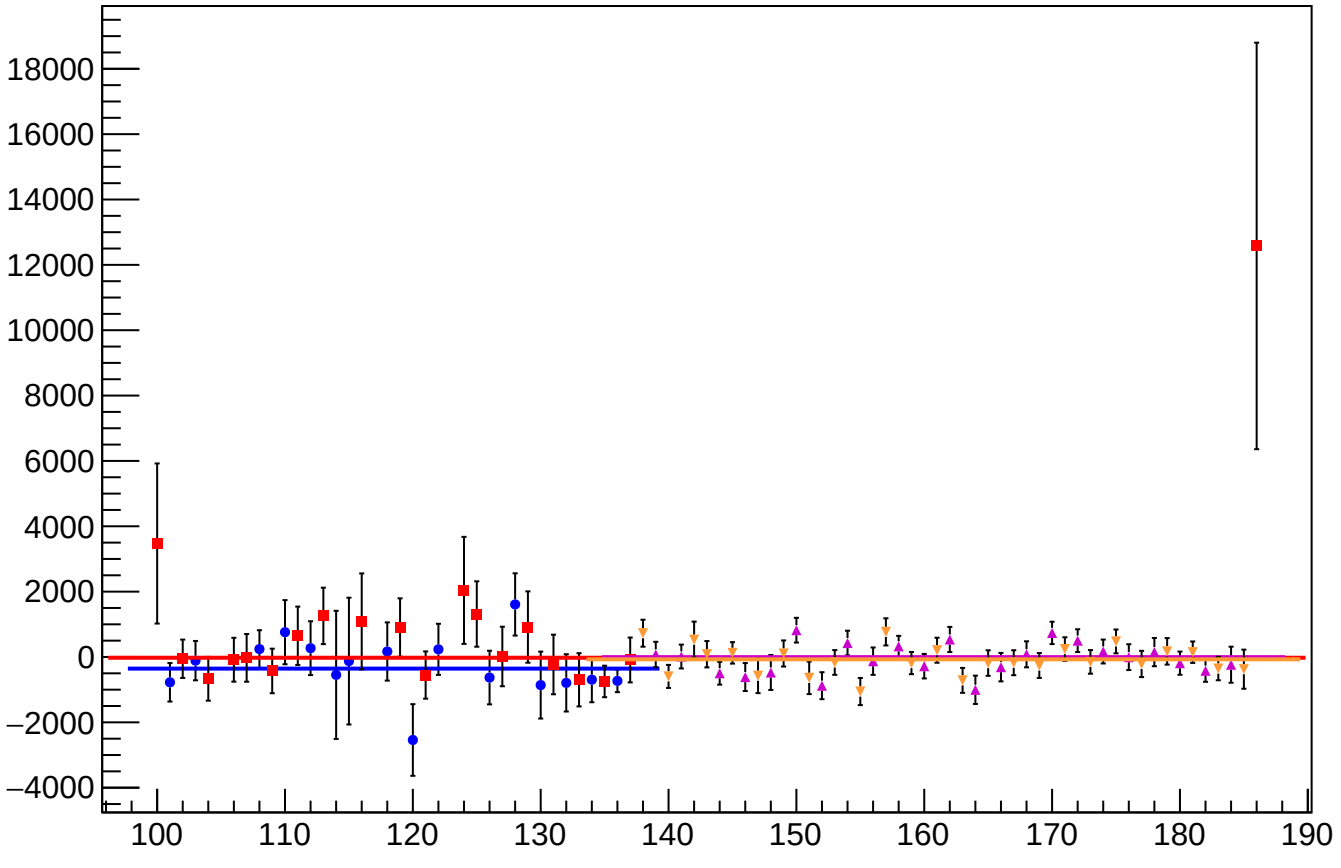
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 65.344+/-0.012 χ^2/NDF: 1278217.9/35

In: 62.902+/-0.009 χ^2/NDF:729951.7/38

Out: 63.169+/-0.009 χ^2/NDF:1018250.7/44

All: 63.039+/-0.006 χ^2/NDF: 1748664.8/83



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

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

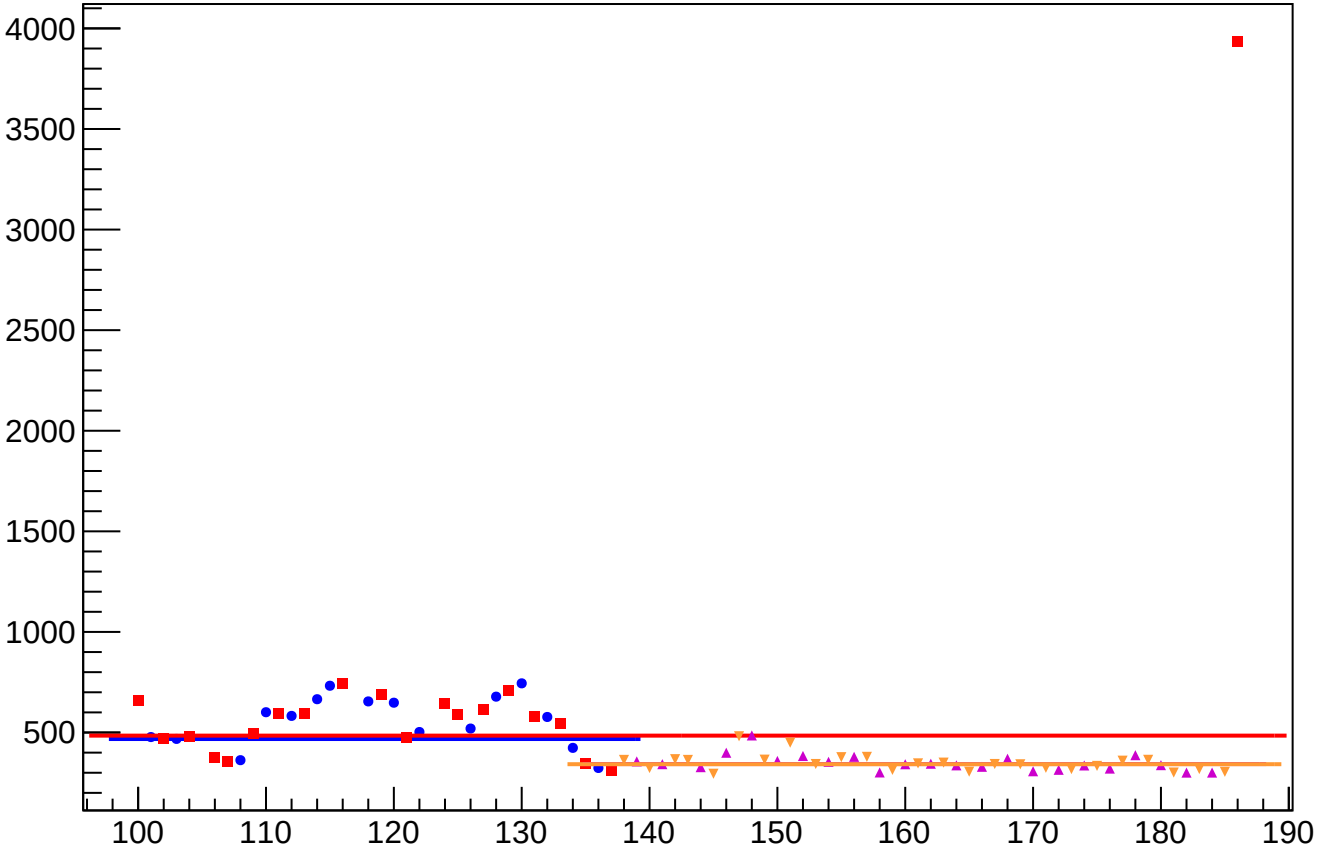
Right: -190.345+/-127.920 χ^2/NDF: 36.0/35

In: -64.501+/-73.706 χ^2/NDF:51.9/38

Out: -63.732+/-71.971 χ^2/NDF:48.1/44

All: -64.108+/-51.494 χ^2/NDF: 100.1/83

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 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

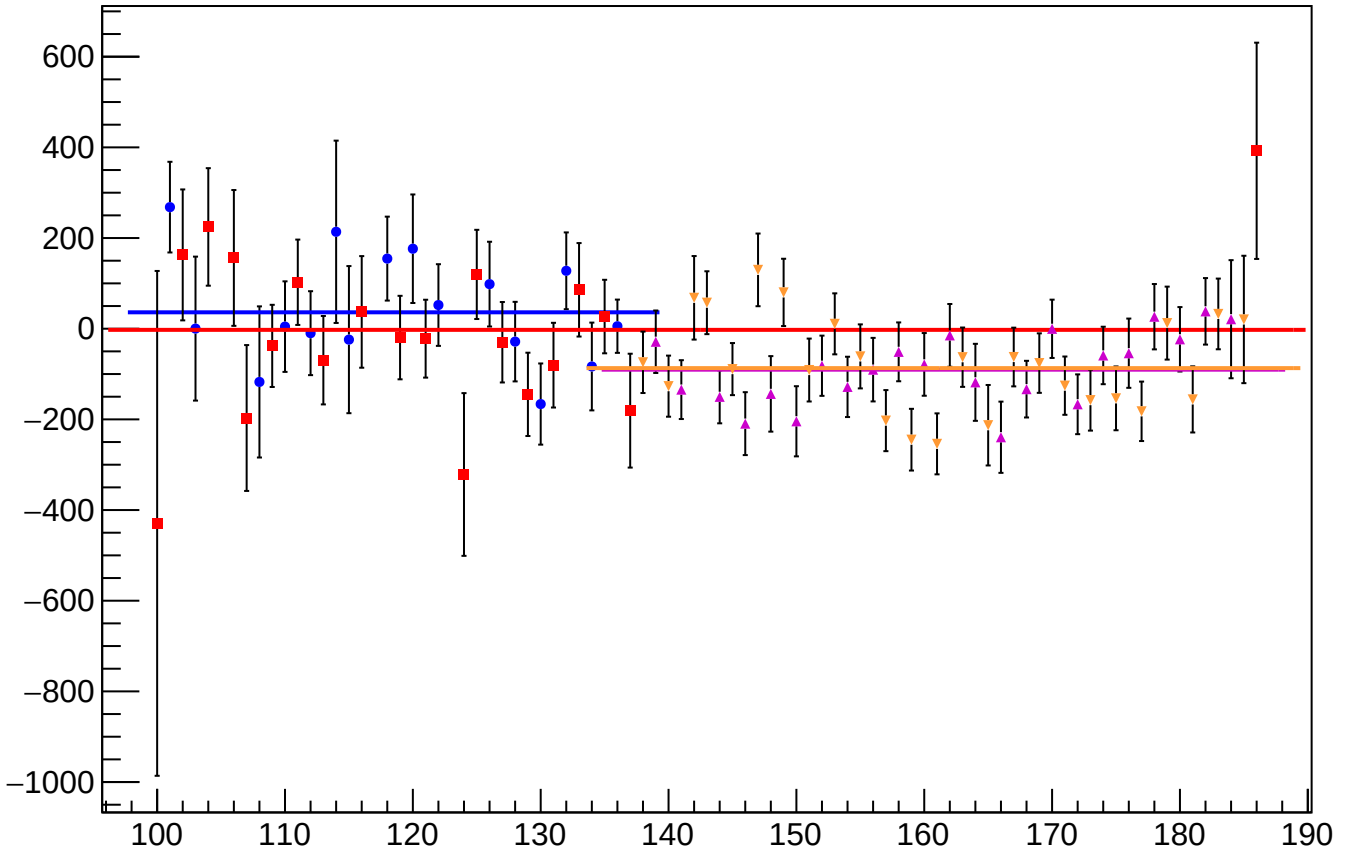
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 476.053+/-0.090 χ^2/NDF: 2464696.0/35

In: 364.031+/-0.052 χ^2/NDF:2152052.2/38

Out: 364.840+/-0.051 χ^2/NDF:2936661.7/44

All: 364.445+/-0.036 χ^2/NDF: 5088837.4/83



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

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

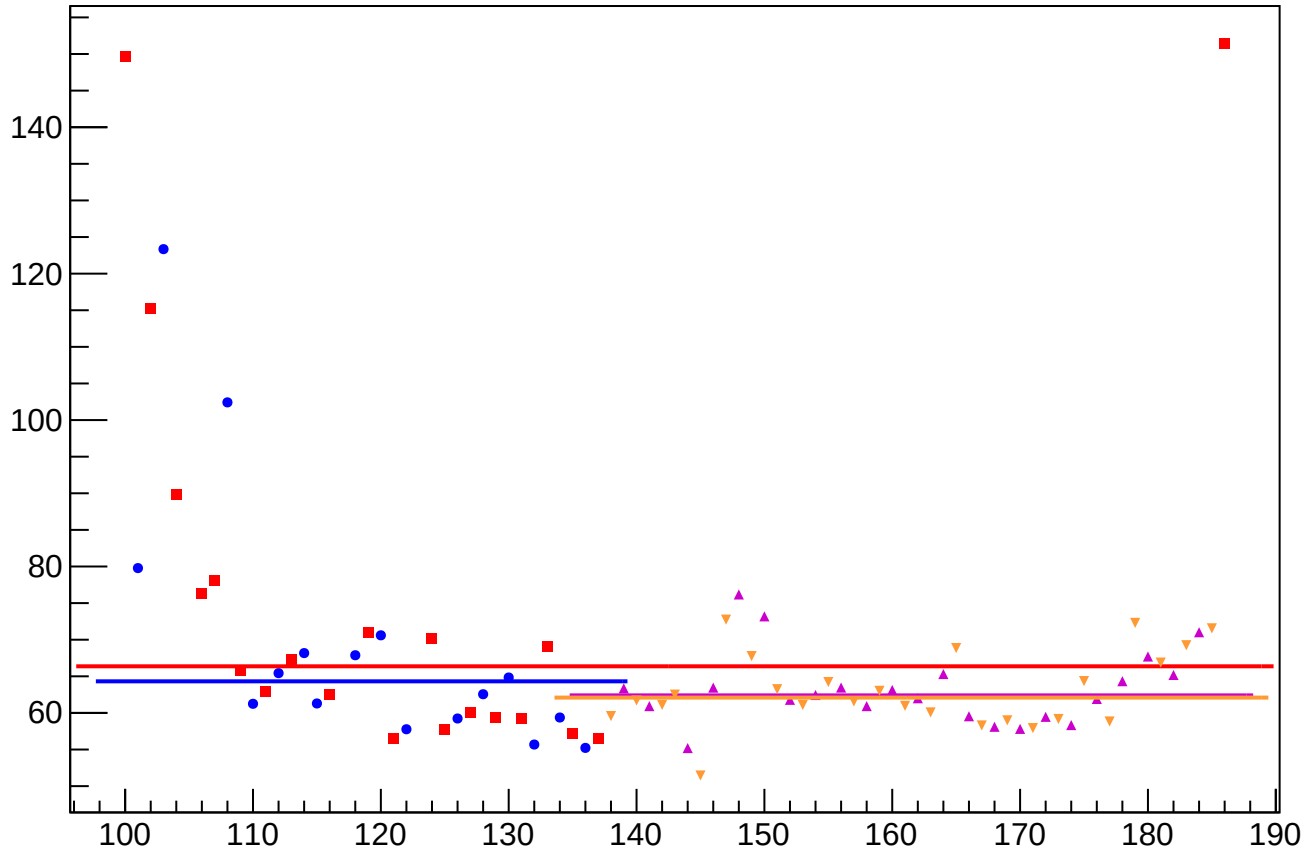
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 16.778+/-17.291 χ^2/NDF: 44.0/35

In: -56.961+/-12.574 χ^2/NDF:64.4/38

Out: -65.704+/-12.261 χ^2/NDF:80.9/44

All: -61.443+/-8.778 χ^2/NDF: 145.5/83



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

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

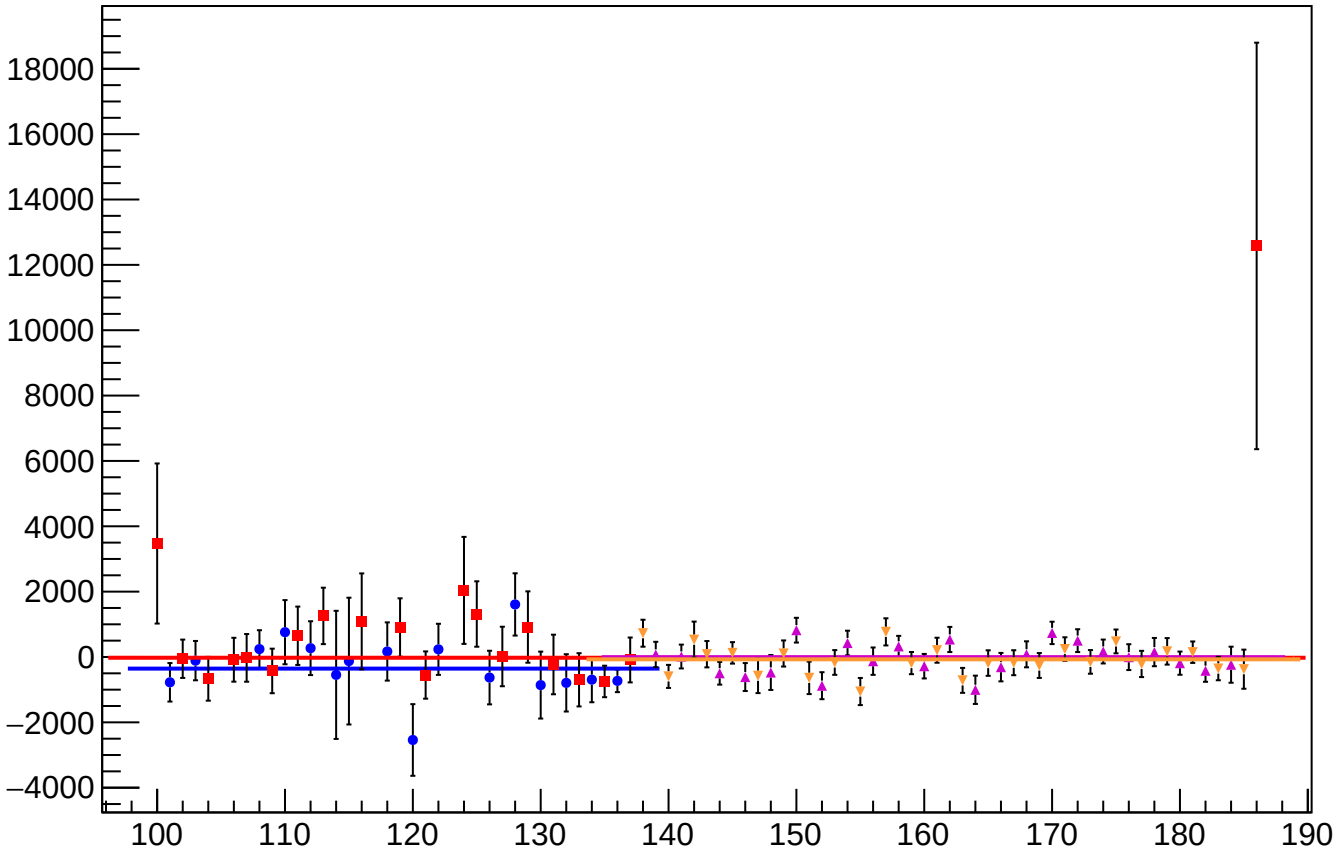
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 65.343+/-0.012 χ^2/NDF: 1278221.6/35

In: 62.902+/-0.009 χ^2/NDF:729961.9/38

Out: 63.169+/-0.009 χ^2/NDF:1018248.0/44

All: 63.039+/-0.006 χ^2/NDF: 1748672.2/83



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

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

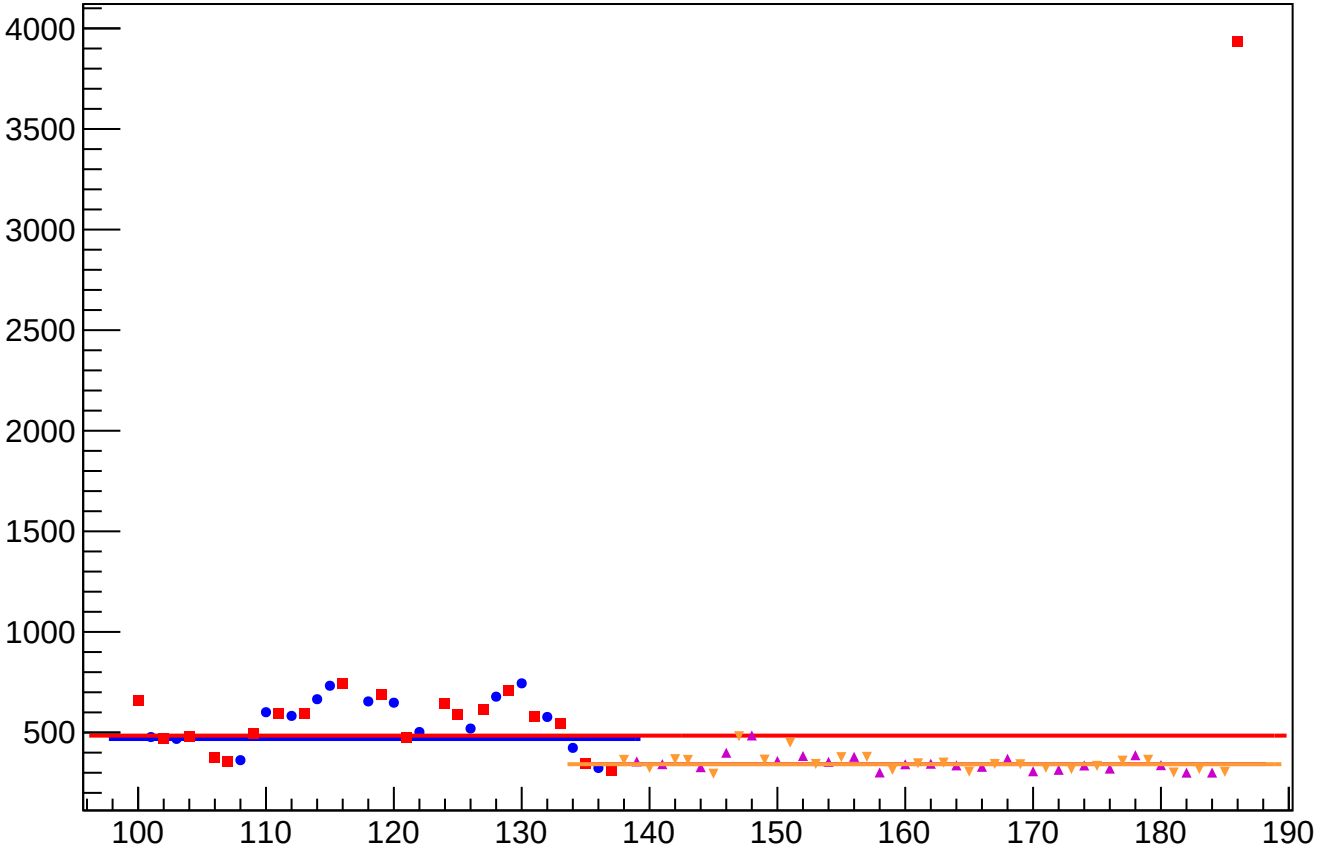
Right: -190.345+/-127.920 χ^2/NDF: 36.0/35

In: -64.502+/-73.706 χ^2/NDF:51.9/38

Out: -63.732+/-71.971 χ^2/NDF:48.1/44

All: -64.108+/-51.494 χ^2/NDF: 100.1/83

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 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

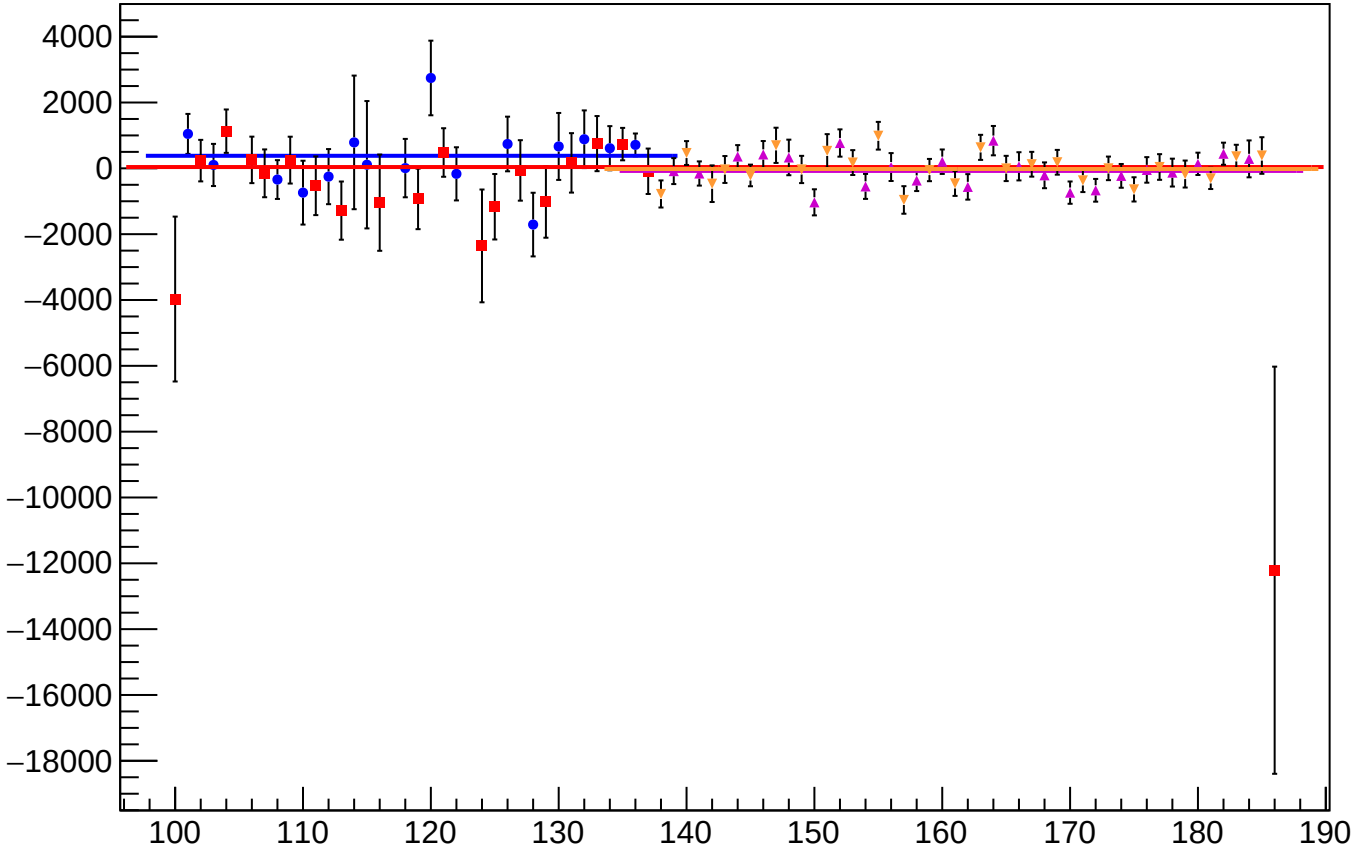
Right: 476.052+/-0.090 χ^2/NDF: 2464696.8/35

In: 364.031+/-0.052 χ^2/NDF:2152048.2/38

Out: 364.840+/-0.051 χ^2/NDF:2936654.5/44

All: 364.445+/-0.036 χ^2/NDF: 5088826.1/83

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

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

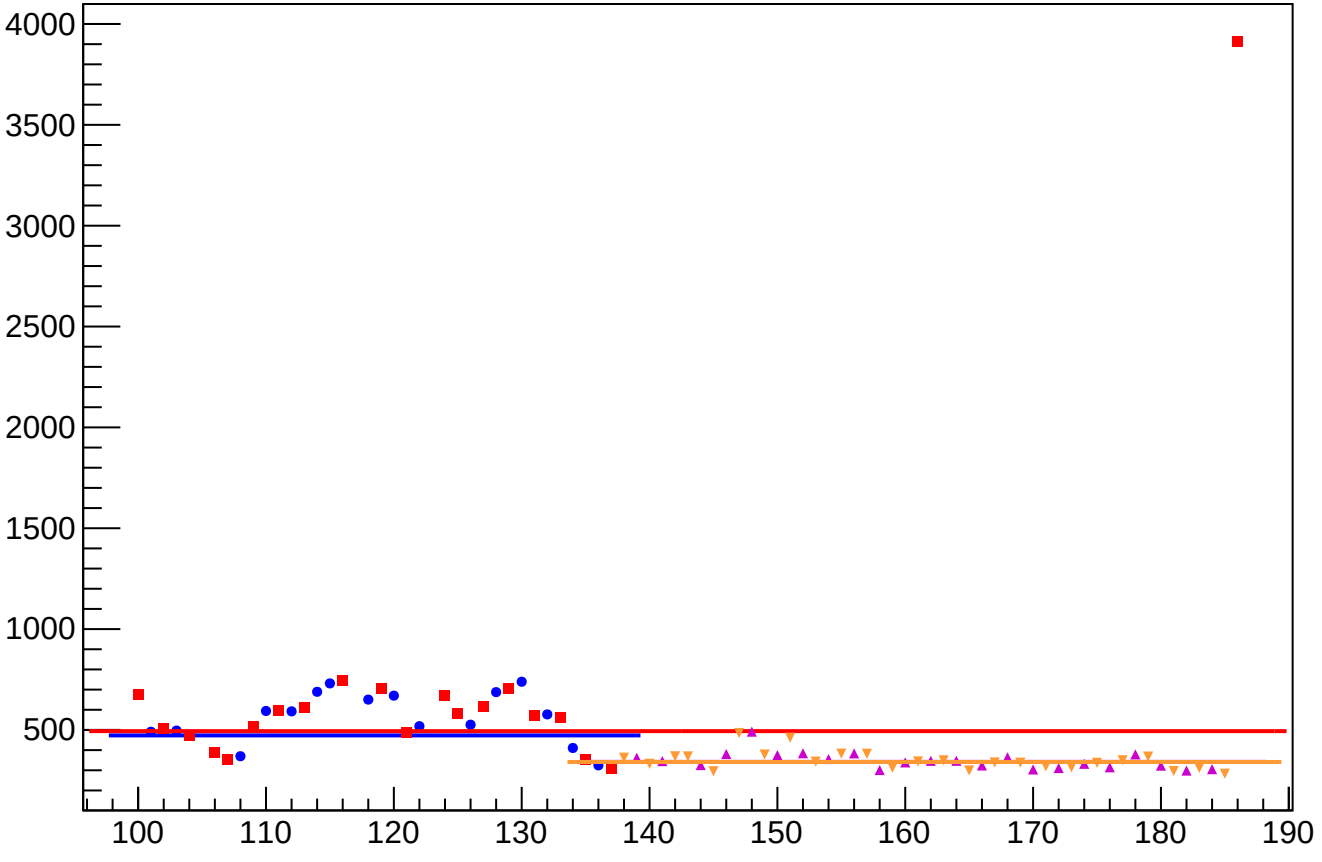
Right: 212.588+/-130.040 χ^2/NDF: 39.3/35

In: -4.075+/-73.594 χ^2/NDF:54.4/38

Out: -11.242+/-72.037 χ^2/NDF:52.9/44

All: -7.735+/-51.480 χ^2/NDF: 107.3/83

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

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

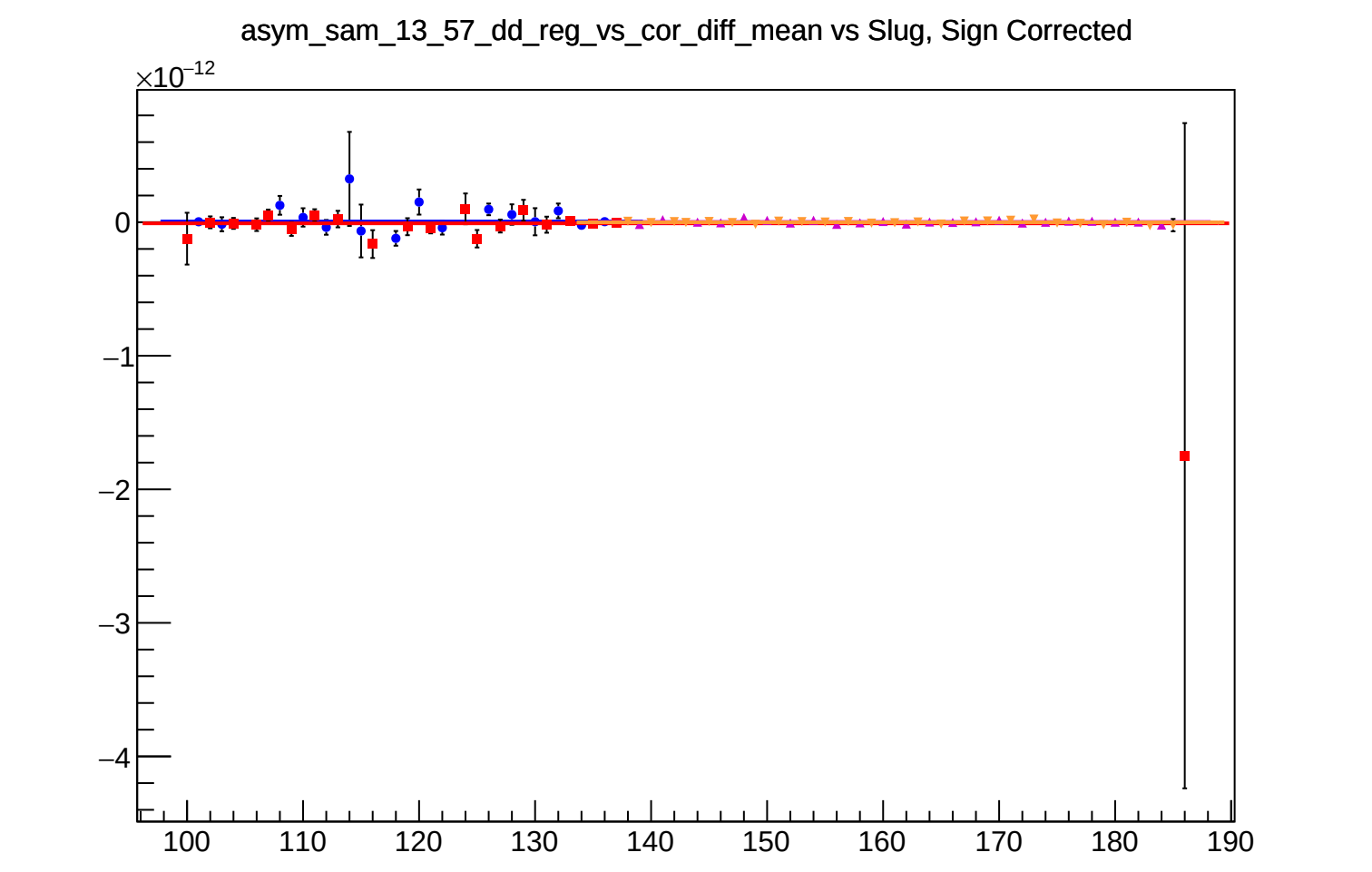
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 483.382+/-0.092 χ^2/NDF: 2472696.0/35

In: 362.938+/-0.052 χ^2/NDF:2262875.9/38

Out: 364.342+/-0.051 χ^2/NDF:3127635.8/44

All: 363.655+/-0.036 χ^2/NDF: 5390883.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

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

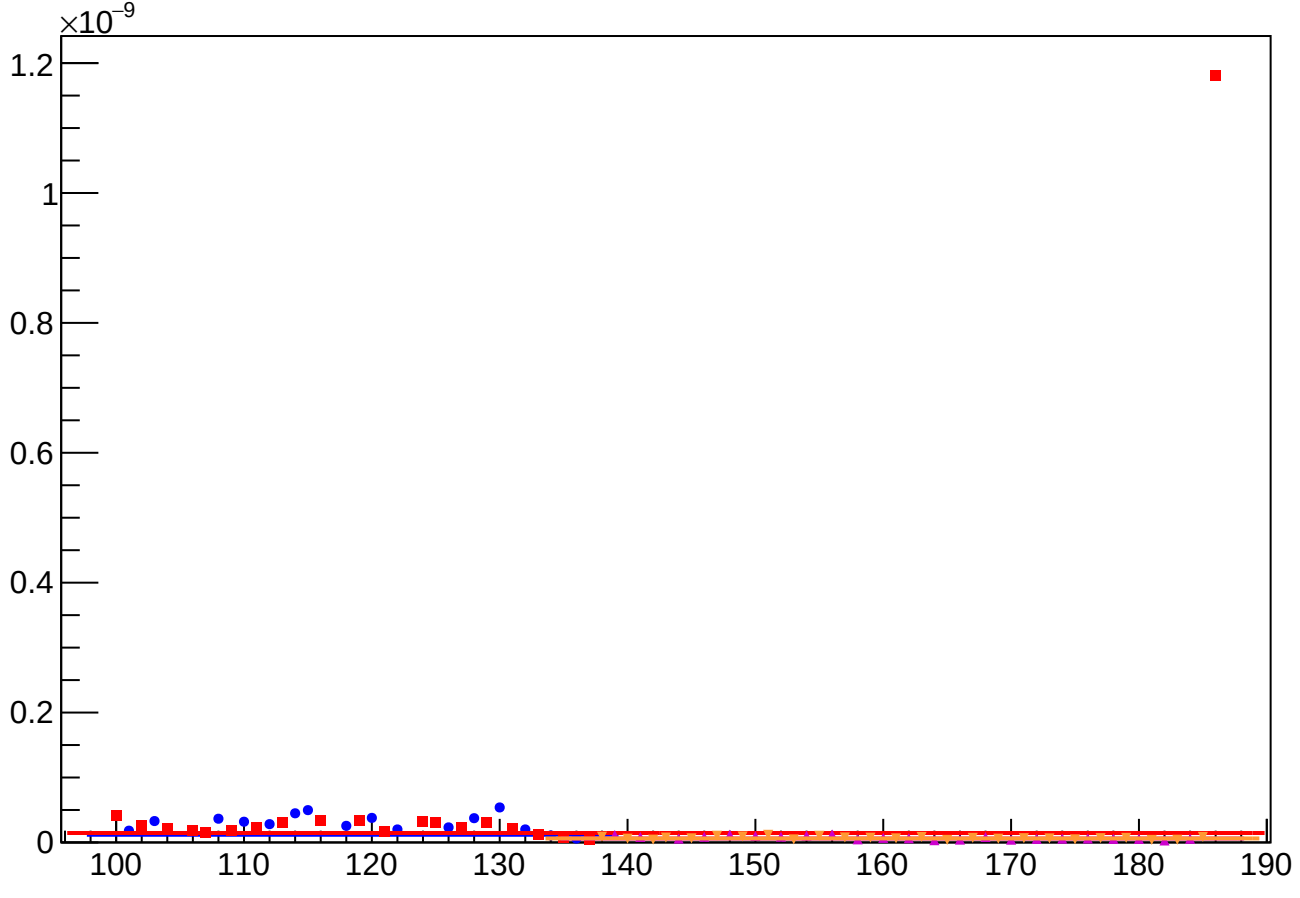
Right: -0.000+/-0.000 χ^2/NDF: 36.9/35

In: 0.000+/-0.000 χ^2/NDF:35.7/38

Out: -0.000+/-0.000 χ^2/NDF:34.3/44

All: 0.000+/-0.000 χ^2/NDF: 71.1/83

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

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

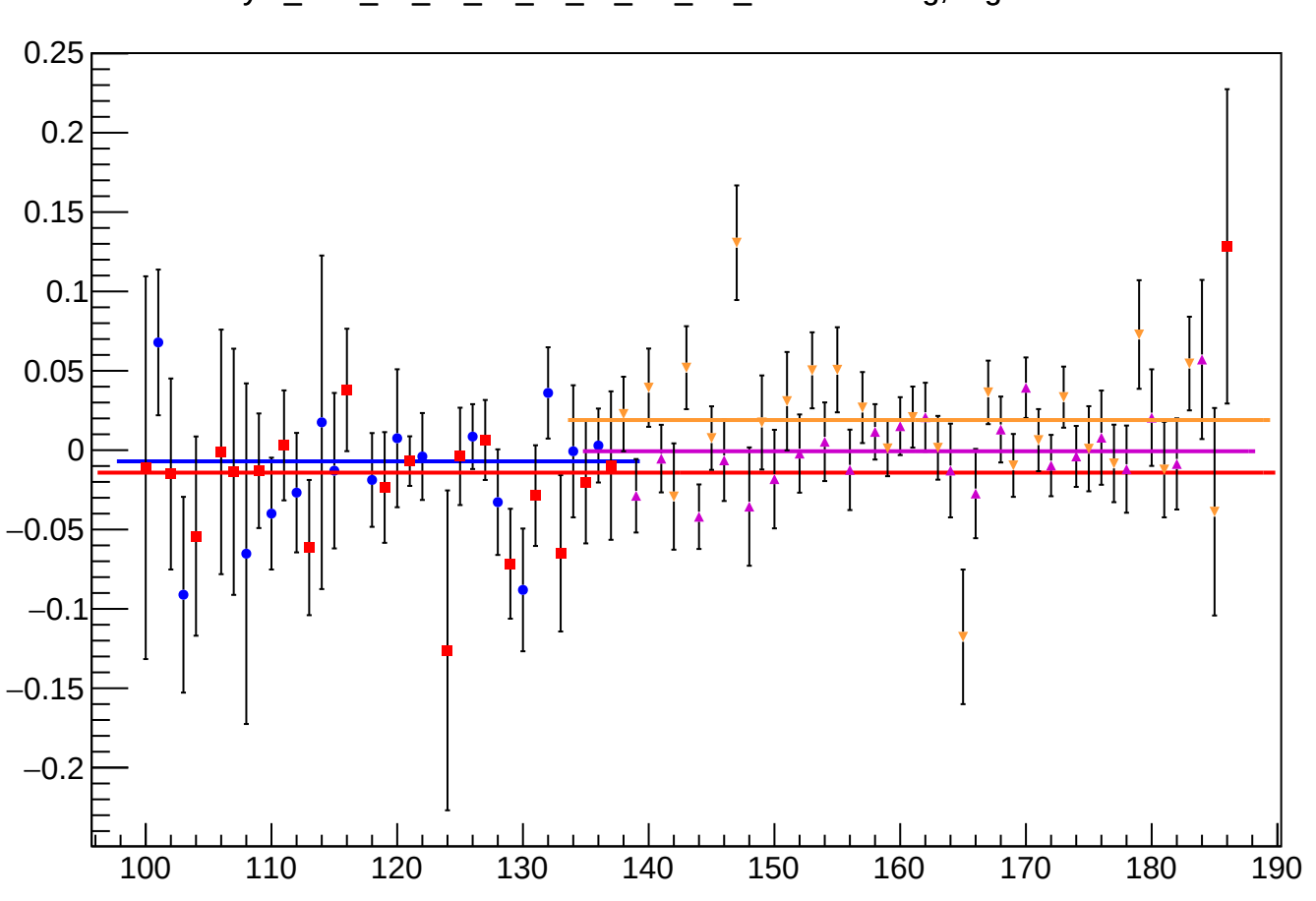
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5153112.2/35

In: 0.000+/-0.000 χ^2/NDF:5455084.2/38

Out: 0.000+/-0.000 χ^2/NDF:4893713.3/44

All: 0.000+/-0.000 χ^2/NDF: 10354589.8/83



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

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

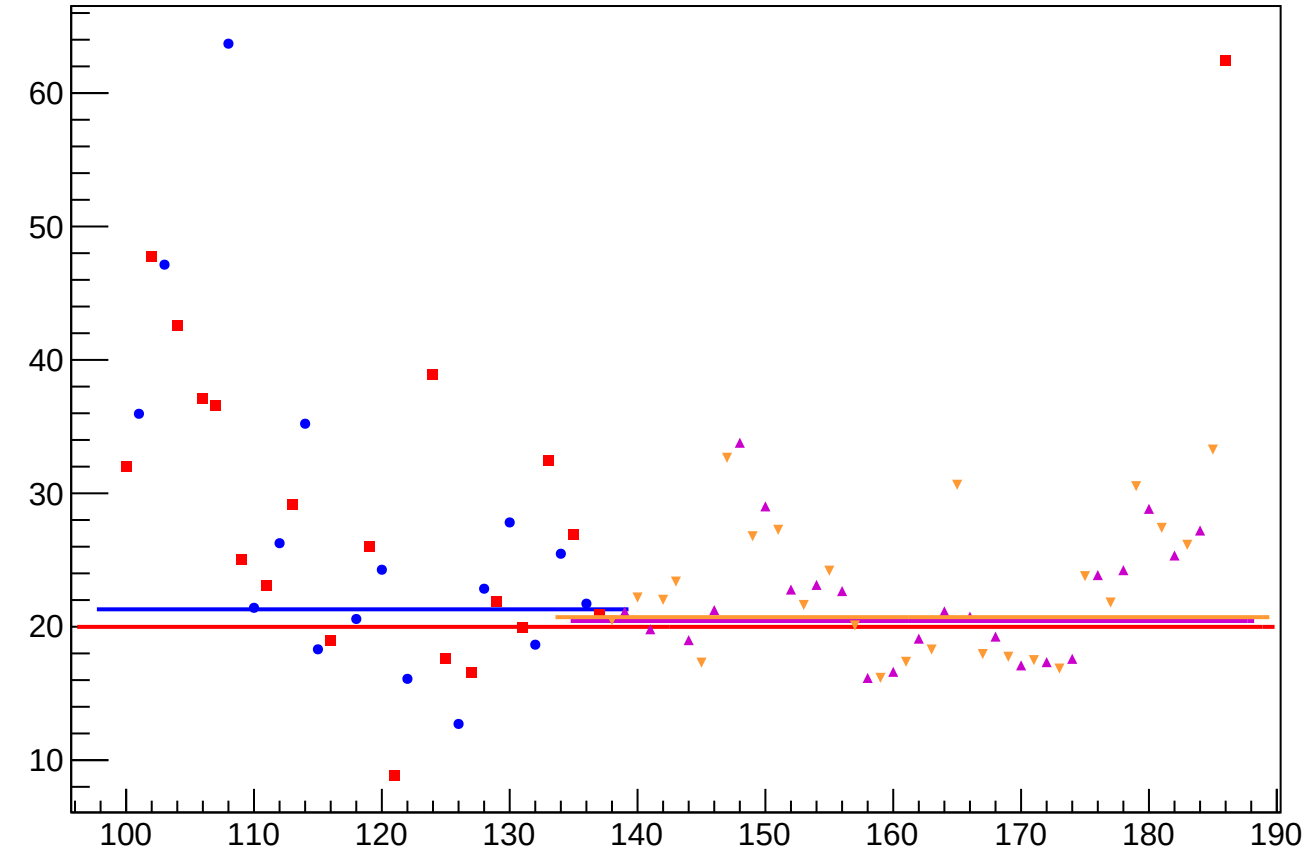
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 26.9/35

In: -0.002+/-0.004 χ^2/NDF:32.4/38

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 102.2/83



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

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

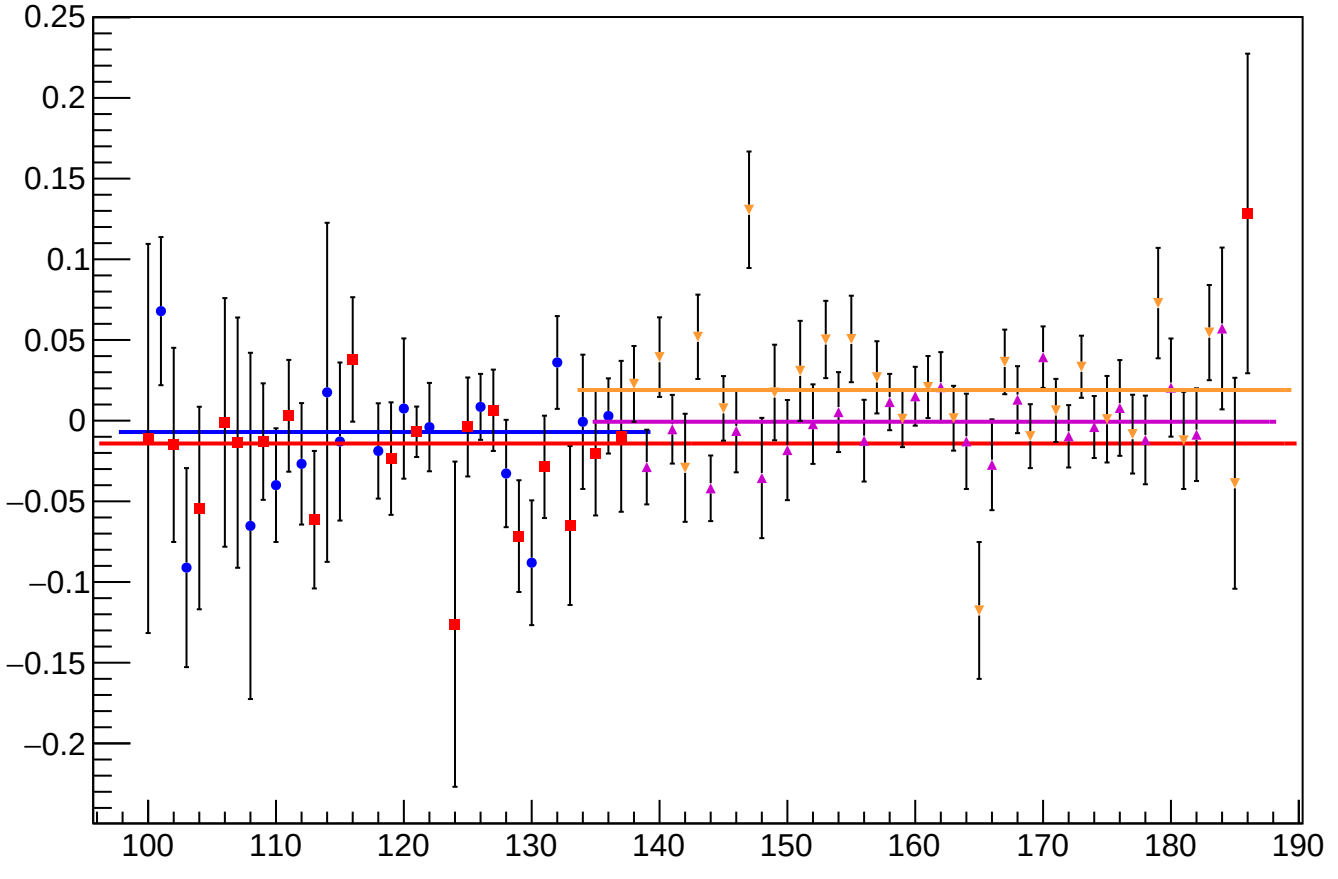
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.614+/-0.004 χ^2/NDF: 4312616.4/35

In: 20.645+/-0.003 χ^2/NDF:2668910.7/38

Out: 20.528+/-0.003 χ^2/NDF:4326804.6/44

All: 20.585+/-0.002 χ^2/NDF: 6996481.2/83



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

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

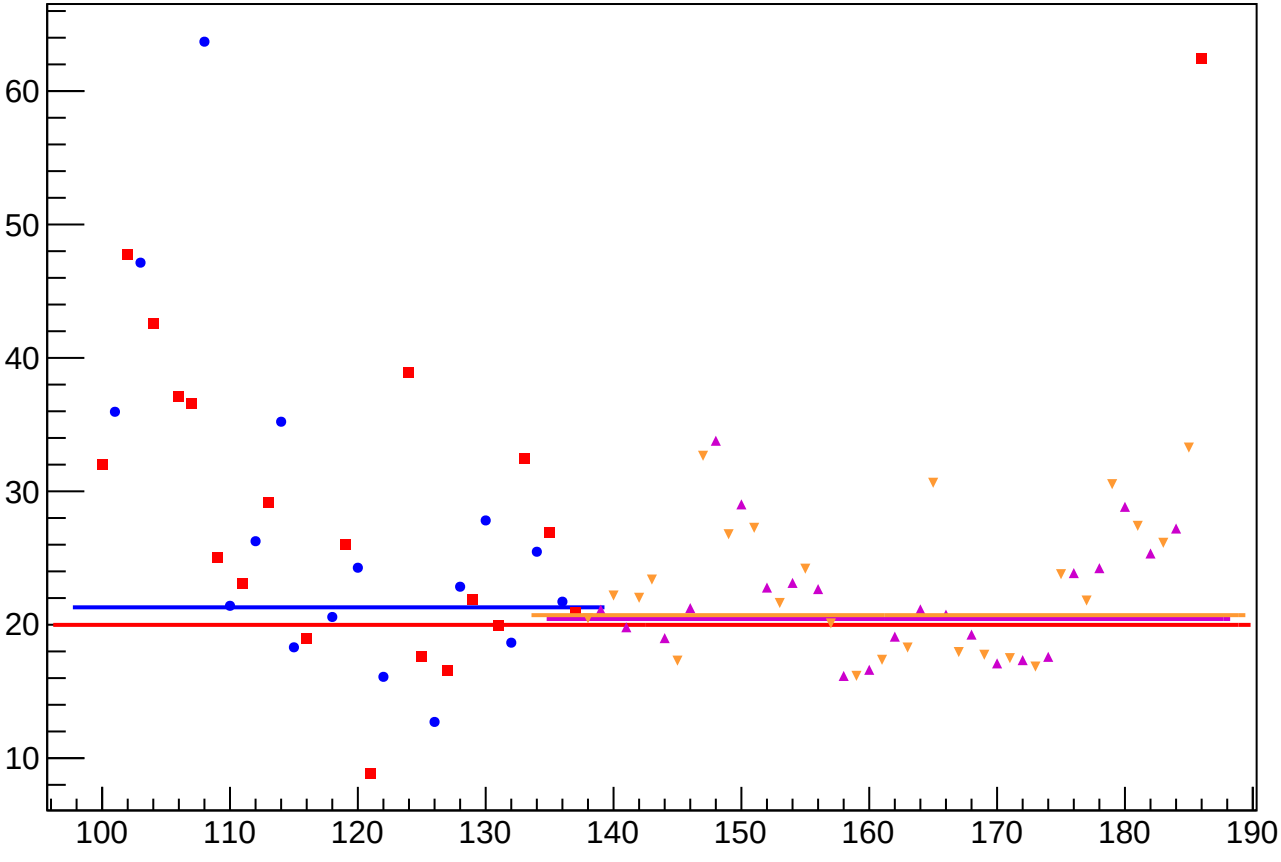
Right: -0.011+/-0.006 χ^2/NDF: 26.9/35

In: -0.002+/-0.004 χ^2/NDF:32.4/38

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 102.2/83

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.718+/-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

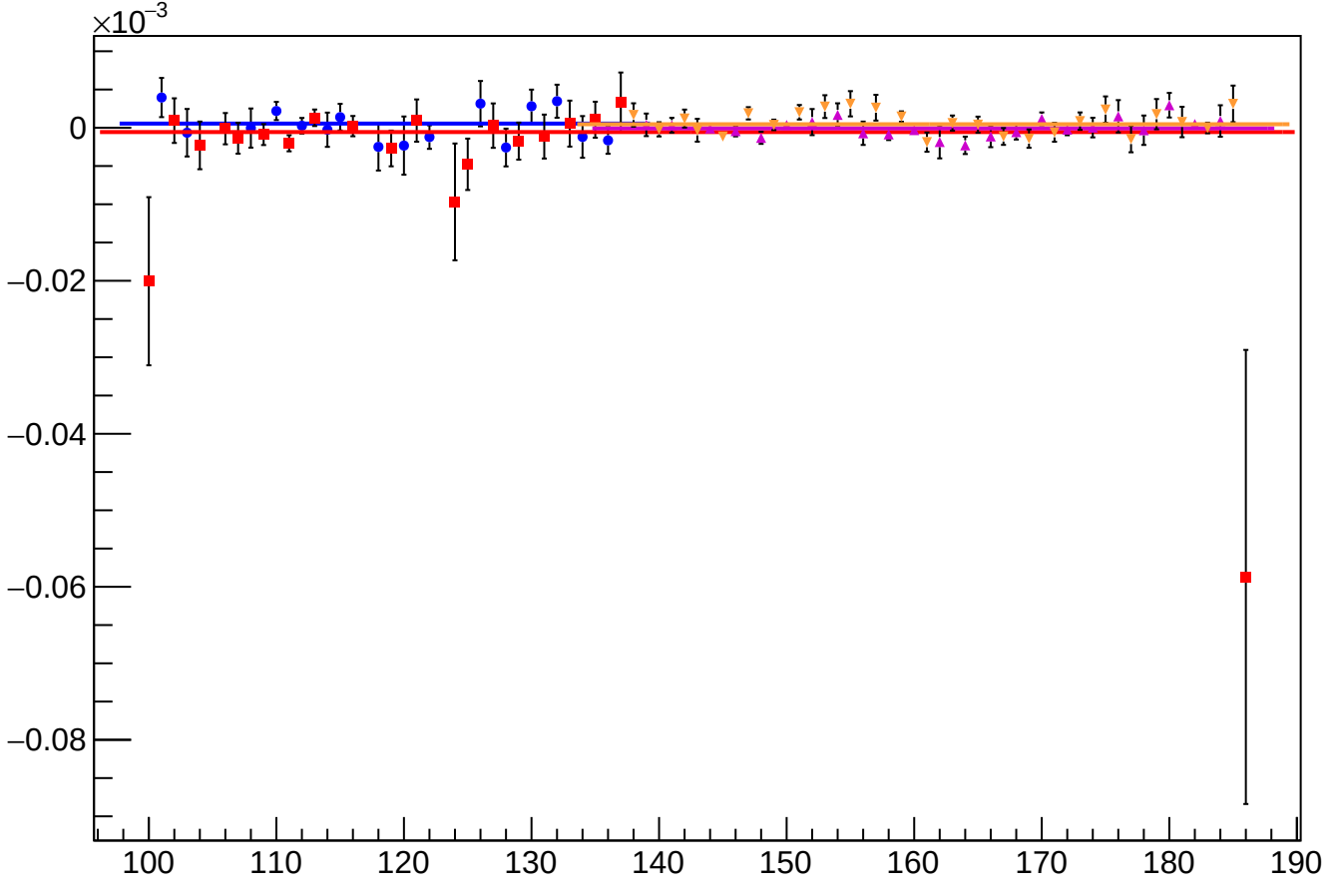
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.614+/-0.004 χ^2/NDF: 4312616.4/35

In: 20.645+/-0.003 χ^2/NDF:2668910.7/38

Out: 20.528+/-0.003 χ^2/NDF:4326804.6/44

All: 20.585+/-0.002 χ^2/NDF: 6996481.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

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

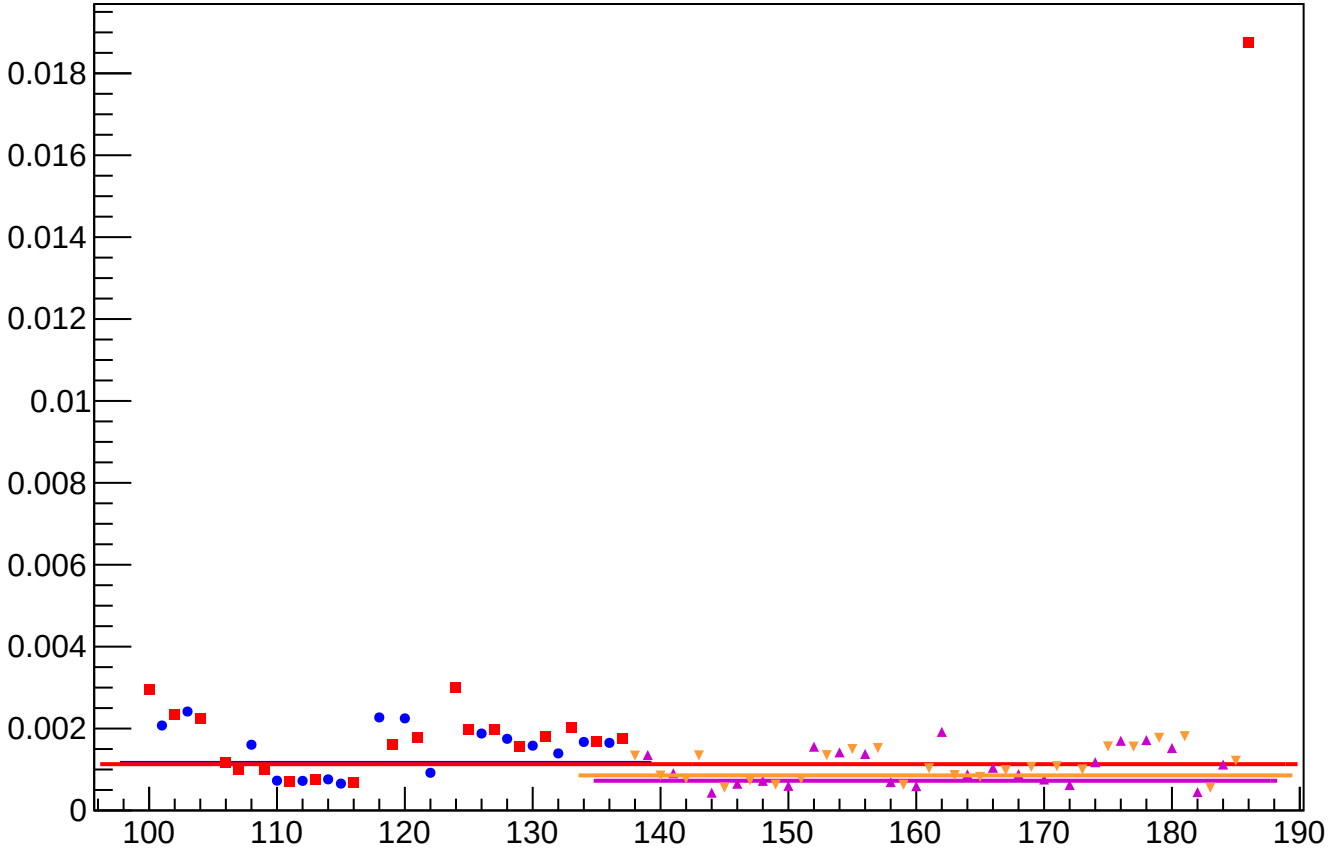
Right: -0.000+/-0.000 χ^2/NDF: 36.4/35

In: 0.000+/-0.000 χ^2/NDF:35.5/38

Out: 0.000+/-0.000 χ^2/NDF:60.0/44

All: 0.000+/-0.000 χ^2/NDF: 96.6/83

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

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

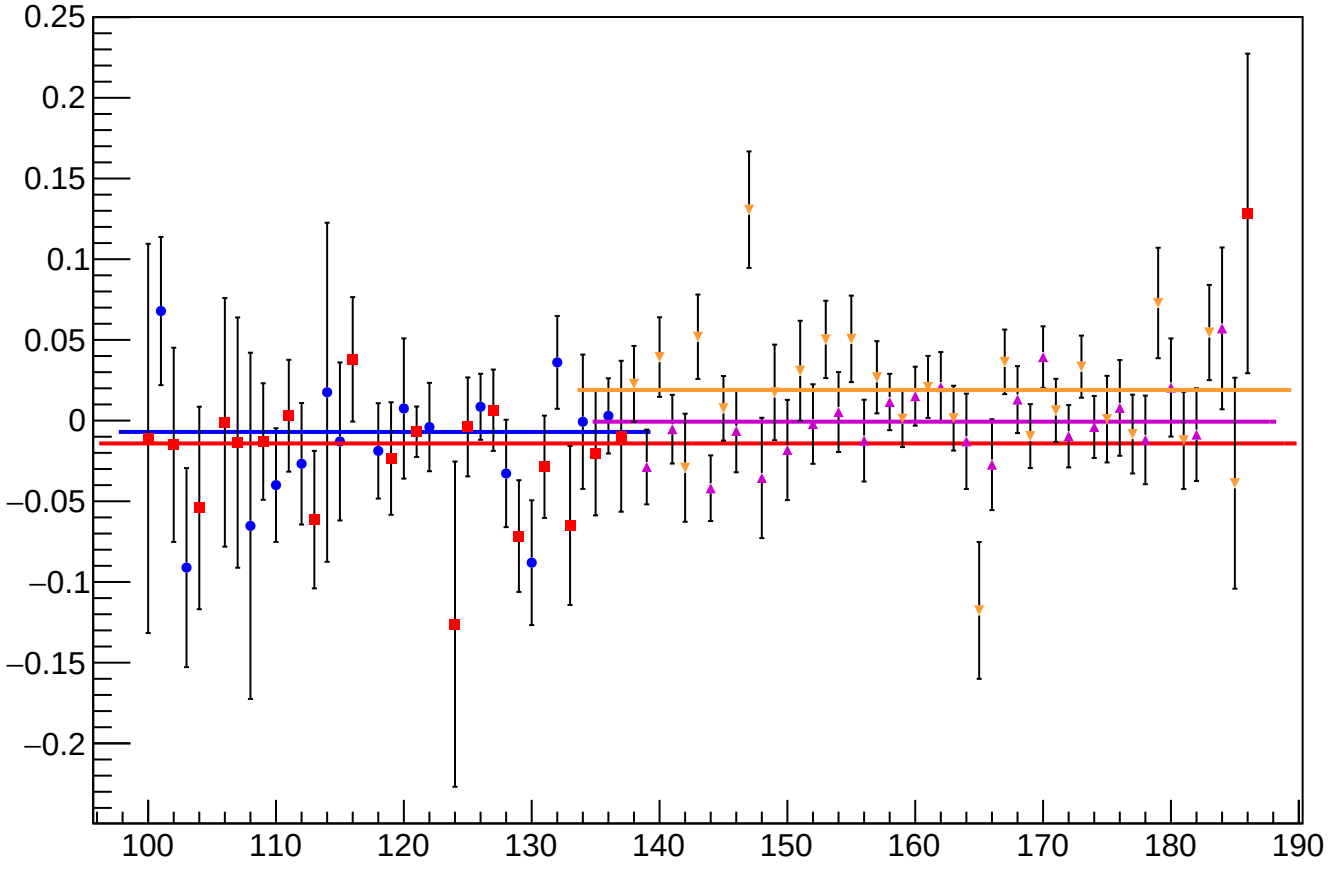
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 5868510.1/35

In: 0.001+/-0.000 χ^2/NDF:9773230.0/38

Out: 0.001+/-0.000 χ^2/NDF:8356436.9/44

All: 0.001+/-0.000 χ^2/NDF: 18565317.6/83



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

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

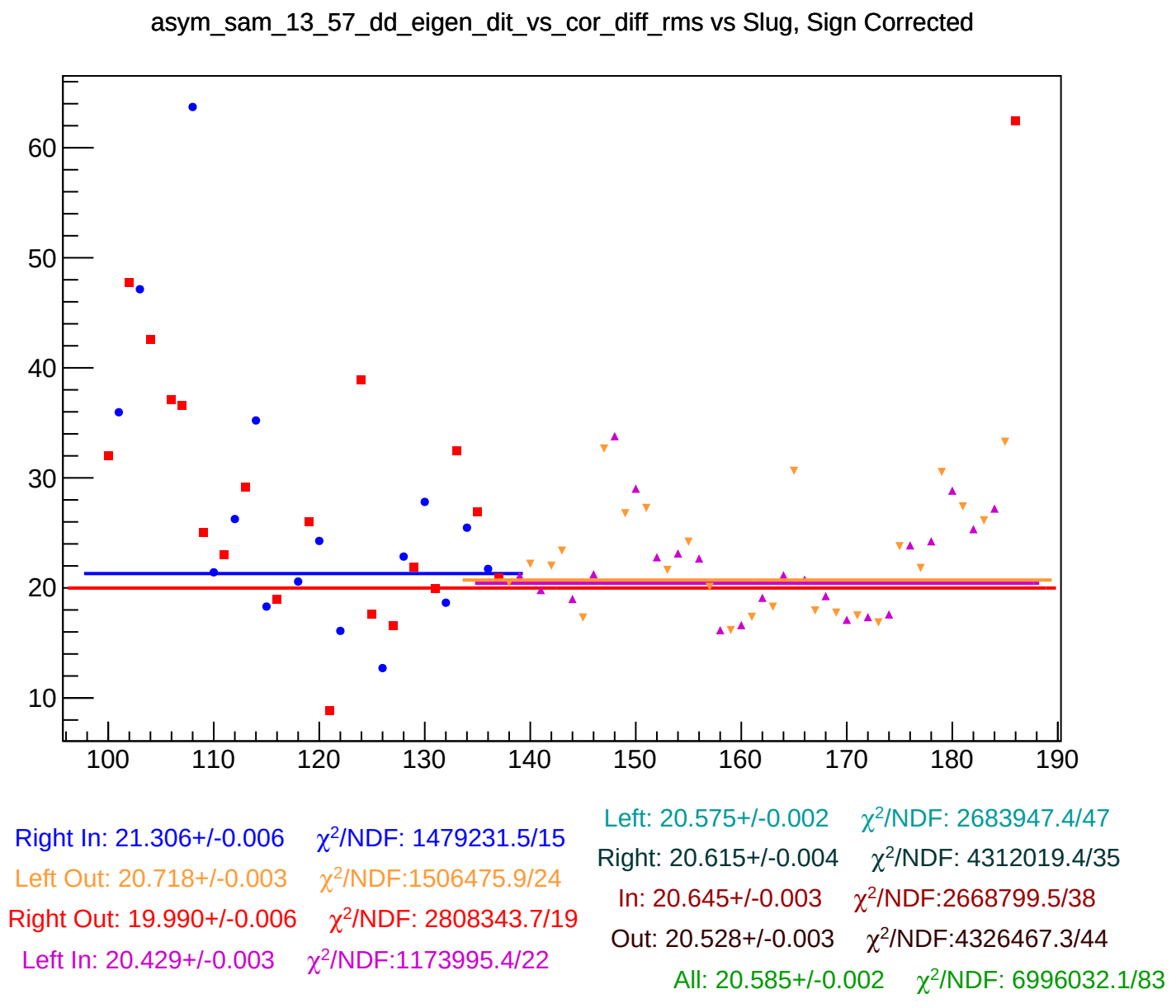
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

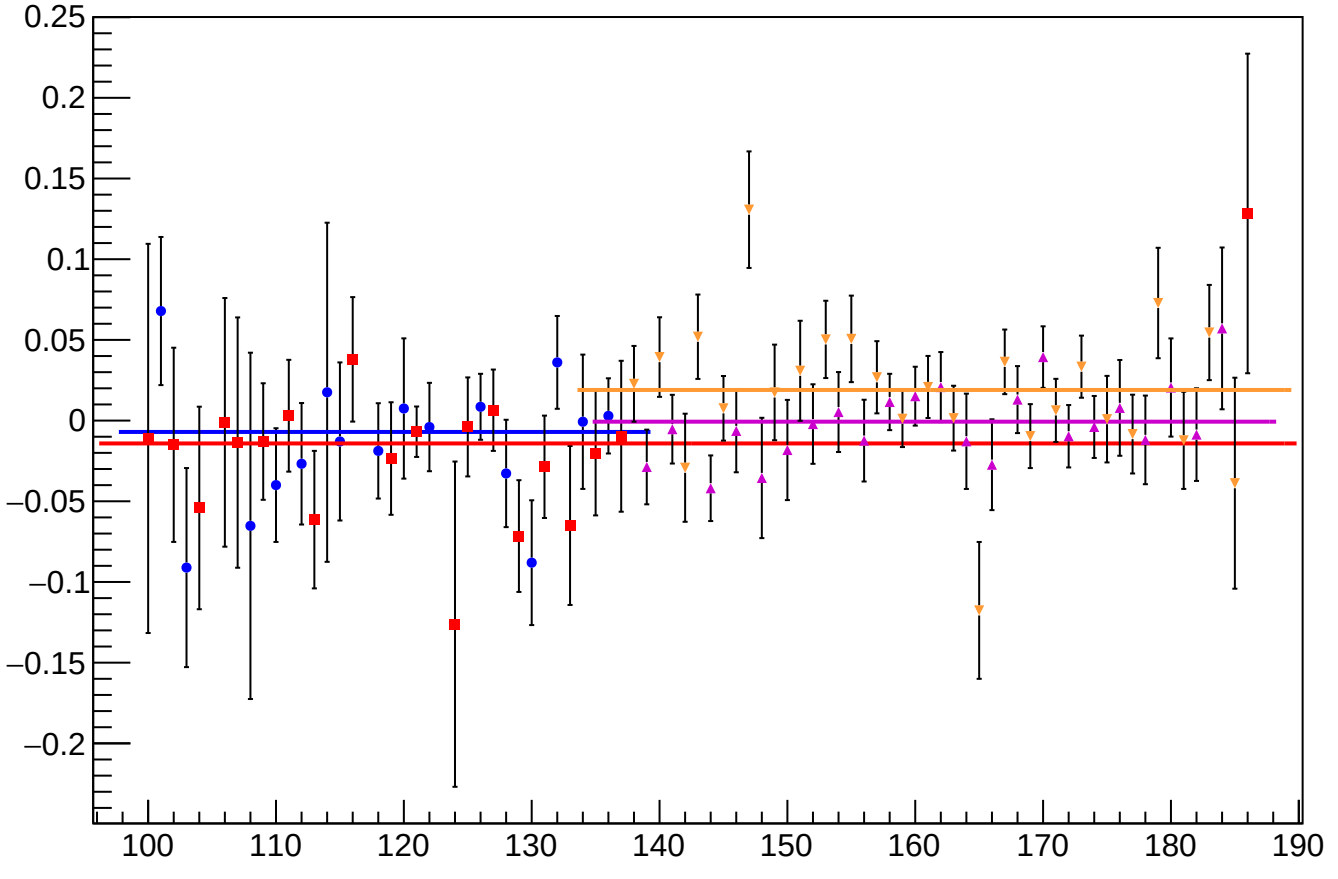
Right: -0.011+/-0.006 χ^2/NDF: 26.9/35

In: -0.002+/-0.004 χ^2/NDF:32.4/38

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 102.2/83


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 21.306+/-0.006 χ2/NDF: 1479231.5/15
Left Out: 20.718+/-0.003 χ2/NDF:1506475.9/24
Right Out: 19.990+/-0.006 χ2/NDF: 2808343.7/19
Left In: 20.429+/-0.003 χ2/NDF:1173995.4/22
Left: 20.575+/-0.002 χ2/NDF: 2683947.4/47
Right: 20.615+/-0.004 χ2/NDF: 4312019.4/35
In: 20.645+/-0.003 χ2/NDF:2668799.5/38
Out: 20.528+/-0.003 χ2/NDF:4326467.3/44
All: 20.585+/-0.002 χ2/NDF: 6996032.1/83



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

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

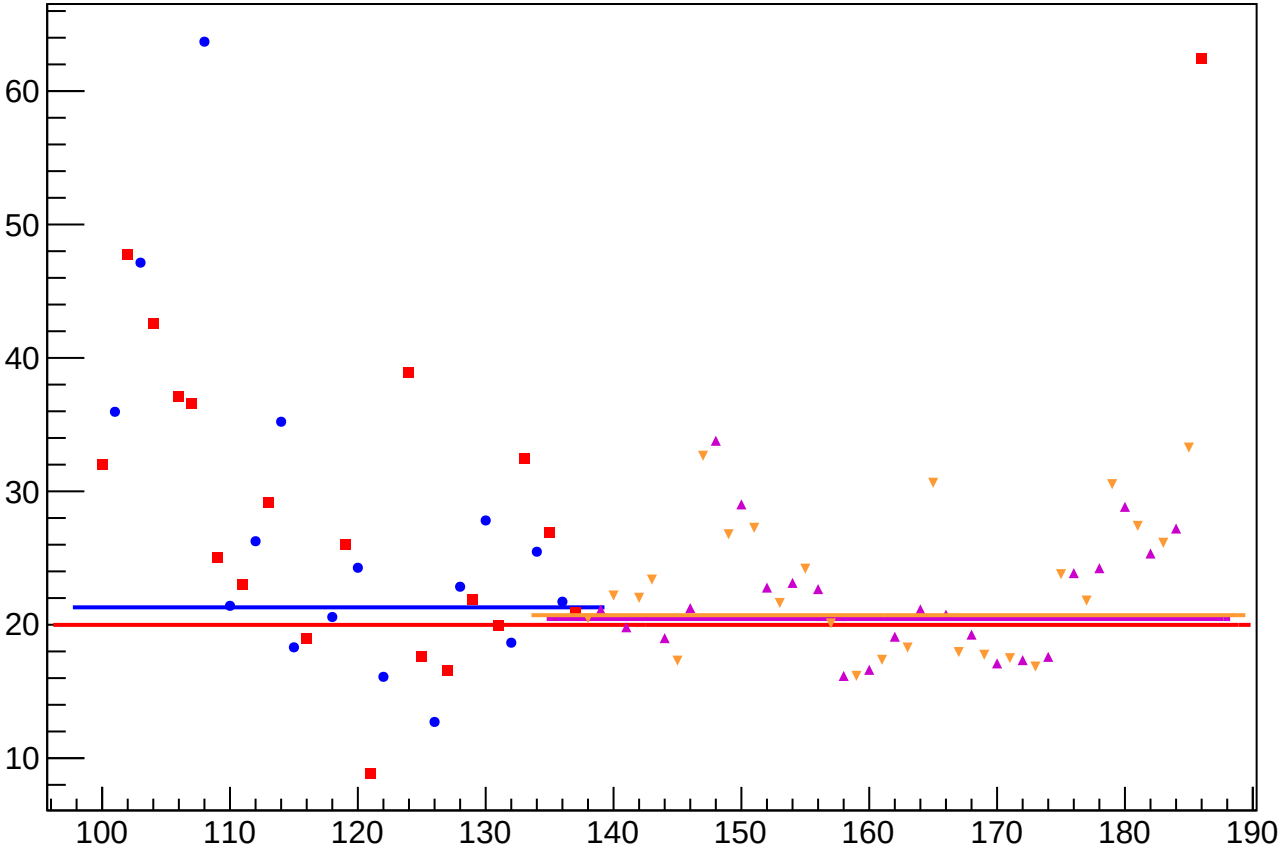
Right: -0.011+/-0.006 χ^2/NDF: 26.9/35

In: -0.002+/-0.004 χ^2/NDF:32.4/38

Out: 0.010+/-0.004 χ^2/NDF:65.4/44

All: 0.004+/-0.003 χ^2/NDF: 102.2/83

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.718+/-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

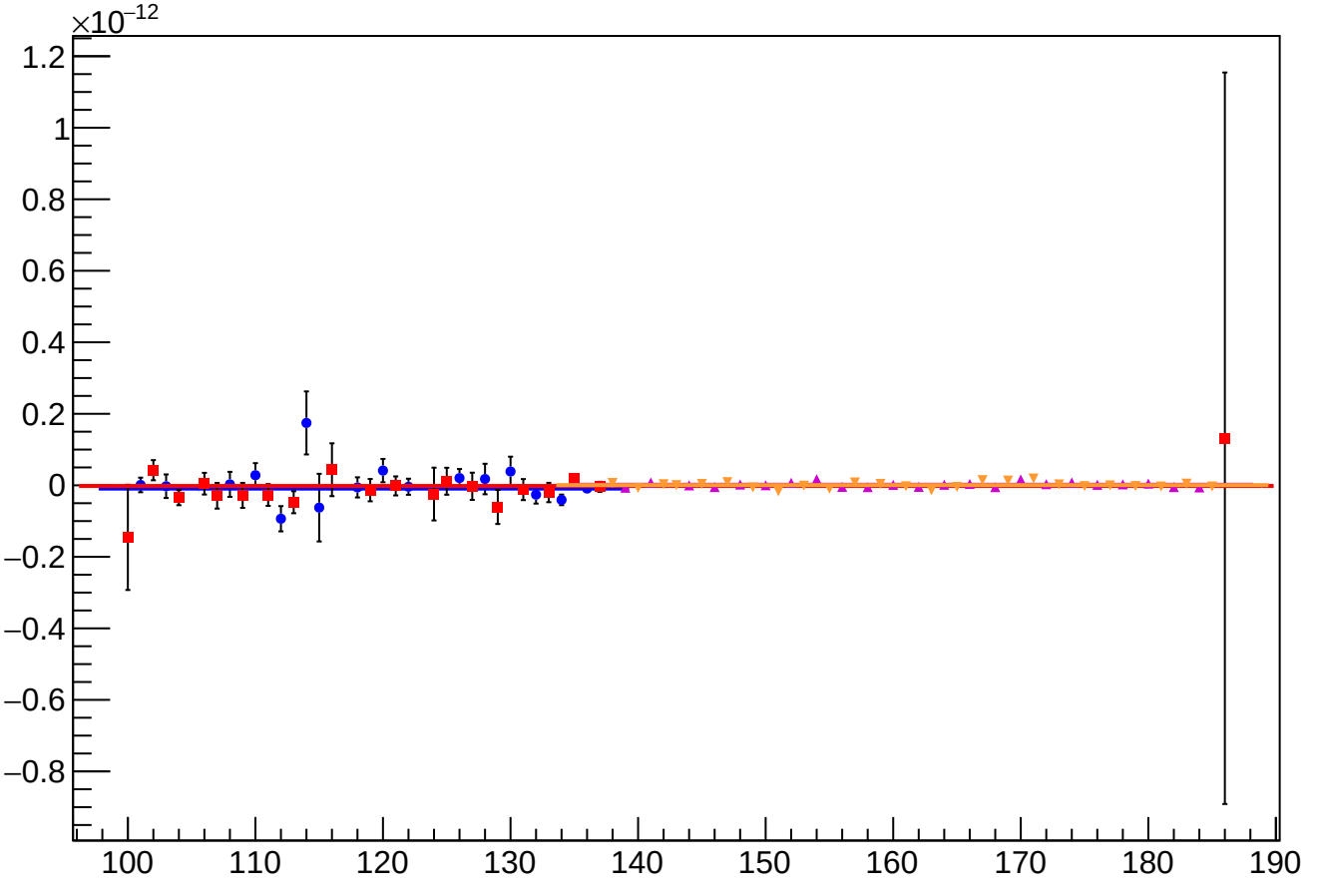
Right: 20.615+/-0.004 χ^2/NDF: 4312019.4/35

In: 20.645+/-0.003 χ^2/NDF:2668799.5/38

Out: 20.528+/-0.003 χ^2/NDF:4326467.3/44

All: 20.585+/-0.002 χ^2/NDF: 6996032.1/83

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

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

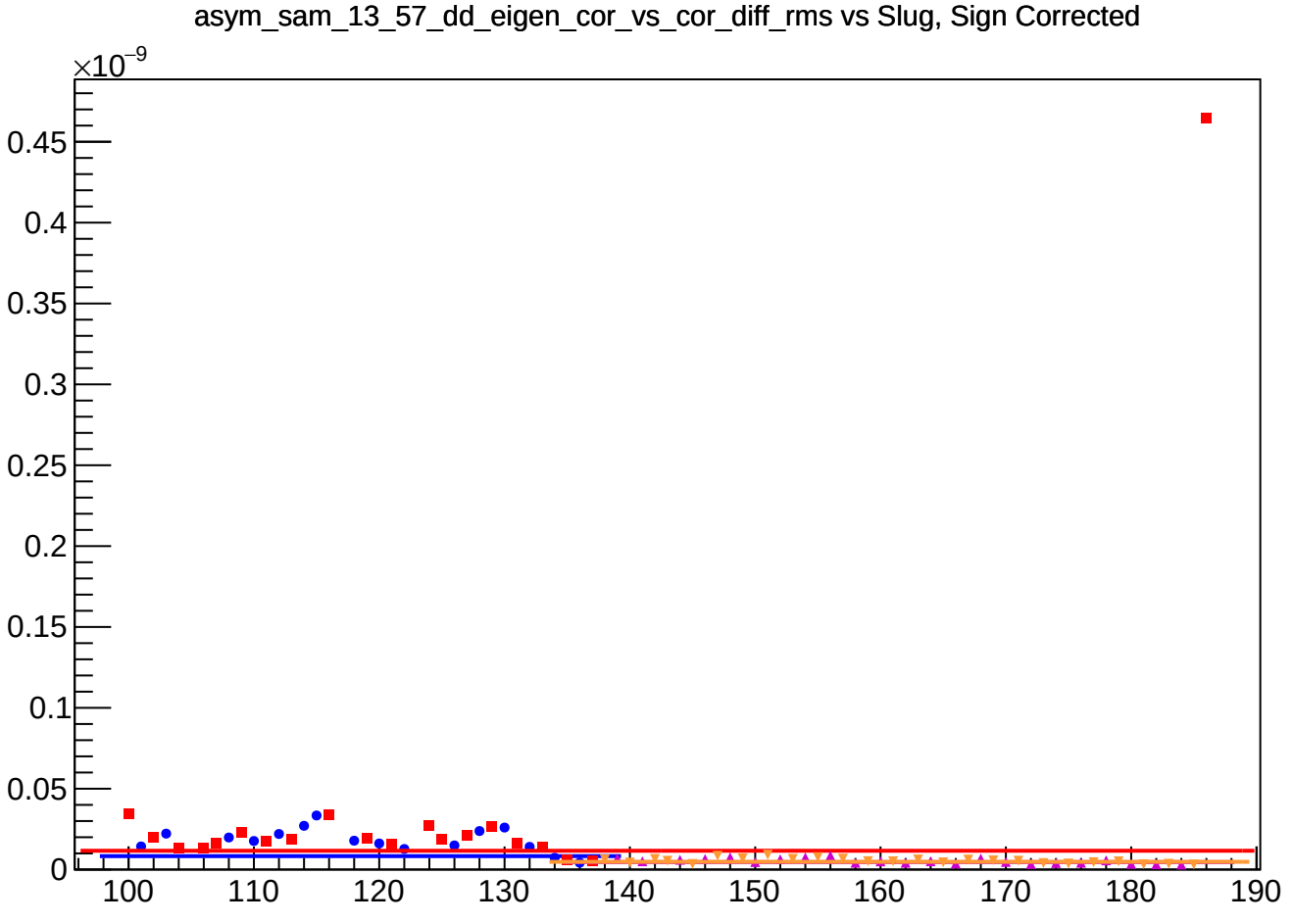
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 40.6/35

In: 0.000+/-0.000 χ^2/NDF:48.4/38

Out: 0.000+/-0.000 χ^2/NDF:46.2/44

All: 0.000+/-0.000 χ^2/NDF: 94.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3003369.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

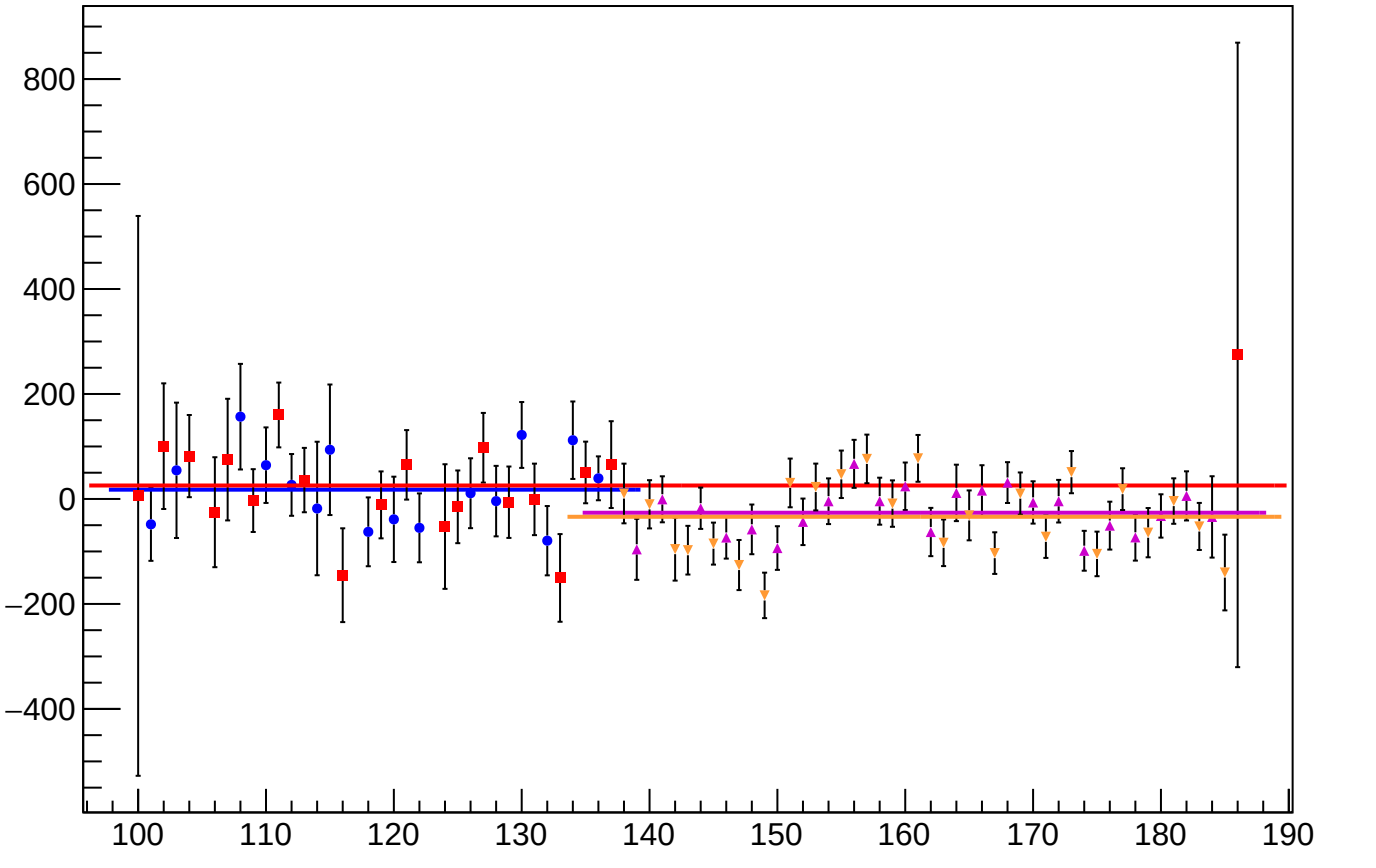
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

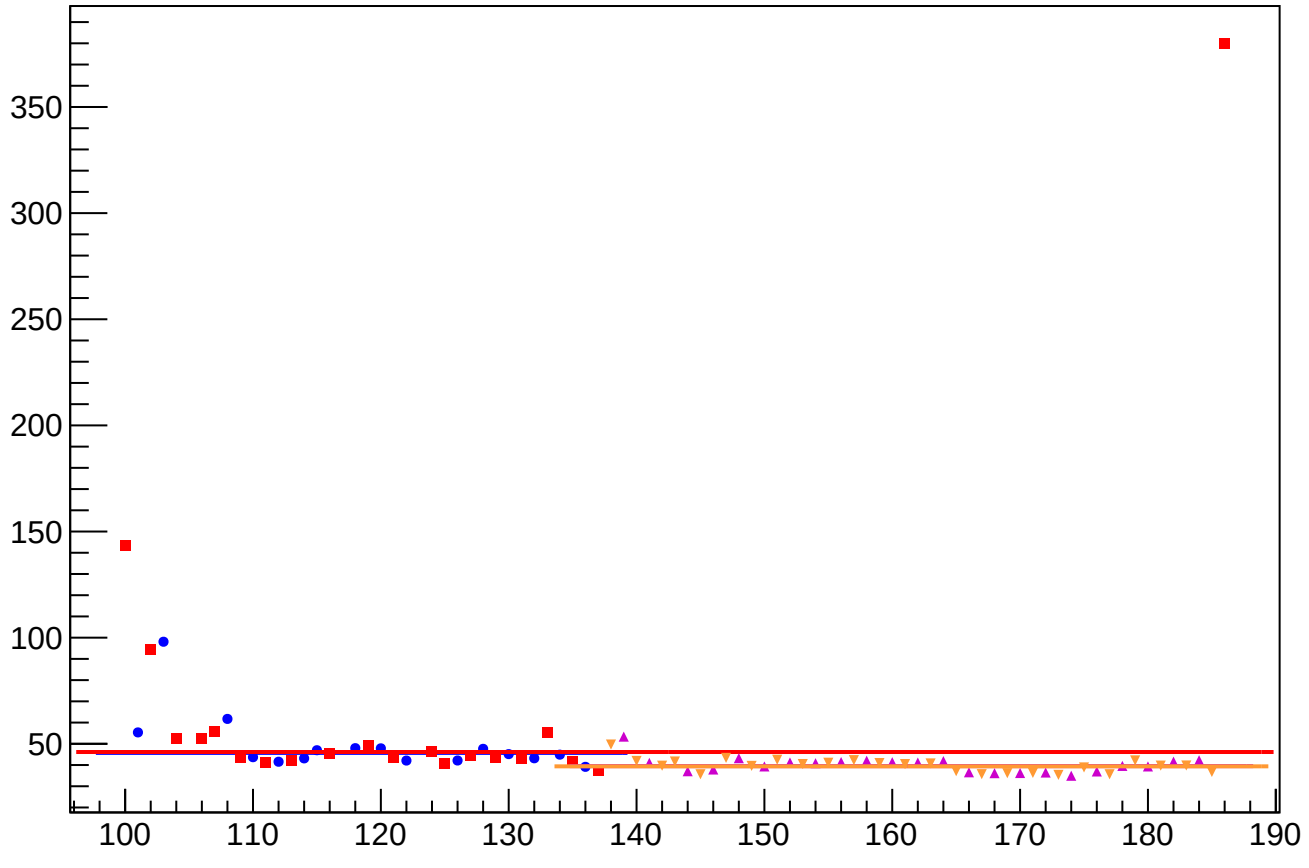
Right: 0.000+/-0.000 χ^2/NDF: 7156854.3/35

In: 0.000+/-0.000 χ^2/NDF:6887536.3/38

Out: 0.000+/-0.000 χ^2/NDF:7873475.0/44

All: 0.000+/-0.000 χ^2/NDF: 14794597.4/83


reg_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: 17.701+/-17.470 χ²/NDF: 13.9/15
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 25.652+/-17.329 χ²/NDF: 18.0/19
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 21.708+/-12.303 χ²/NDF: 32.1/35
In: -16.605+/-8.190 χ²/NDF:41.4/38
Out: -21.308+/-7.982 χ²/NDF:86.1/44
All: -19.017+/-5.716 χ²/NDF: 127.6/83



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

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

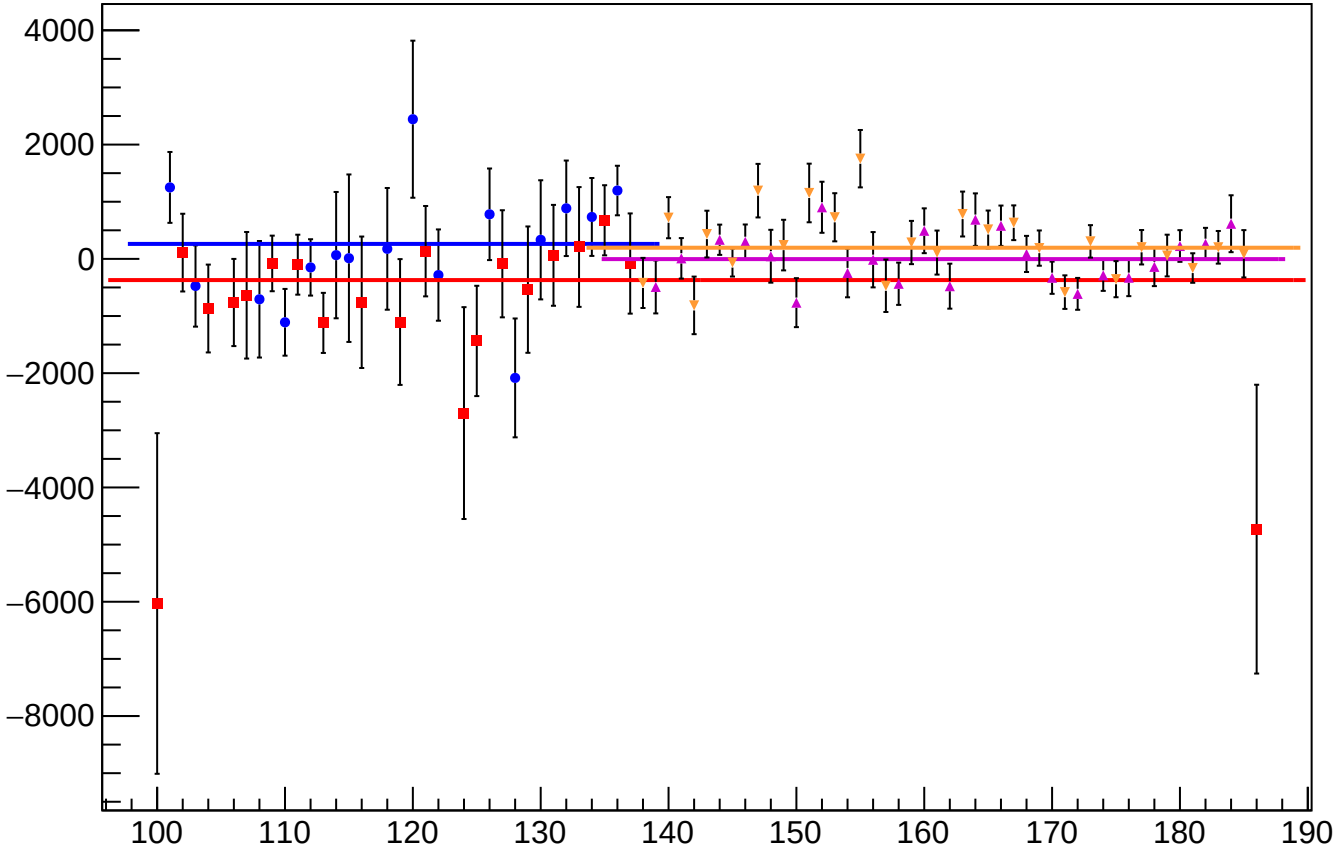
Right: 45.931+/-0.009 χ^2/NDF: 1672247.3/35

In: 40.861+/-0.006 χ^2/NDF:952083.6/38

Out: 40.815+/-0.006 χ^2/NDF:1638105.6/44

All: 40.837+/-0.004 χ^2/NDF: 2590222.1/83

asym_sam_15_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

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

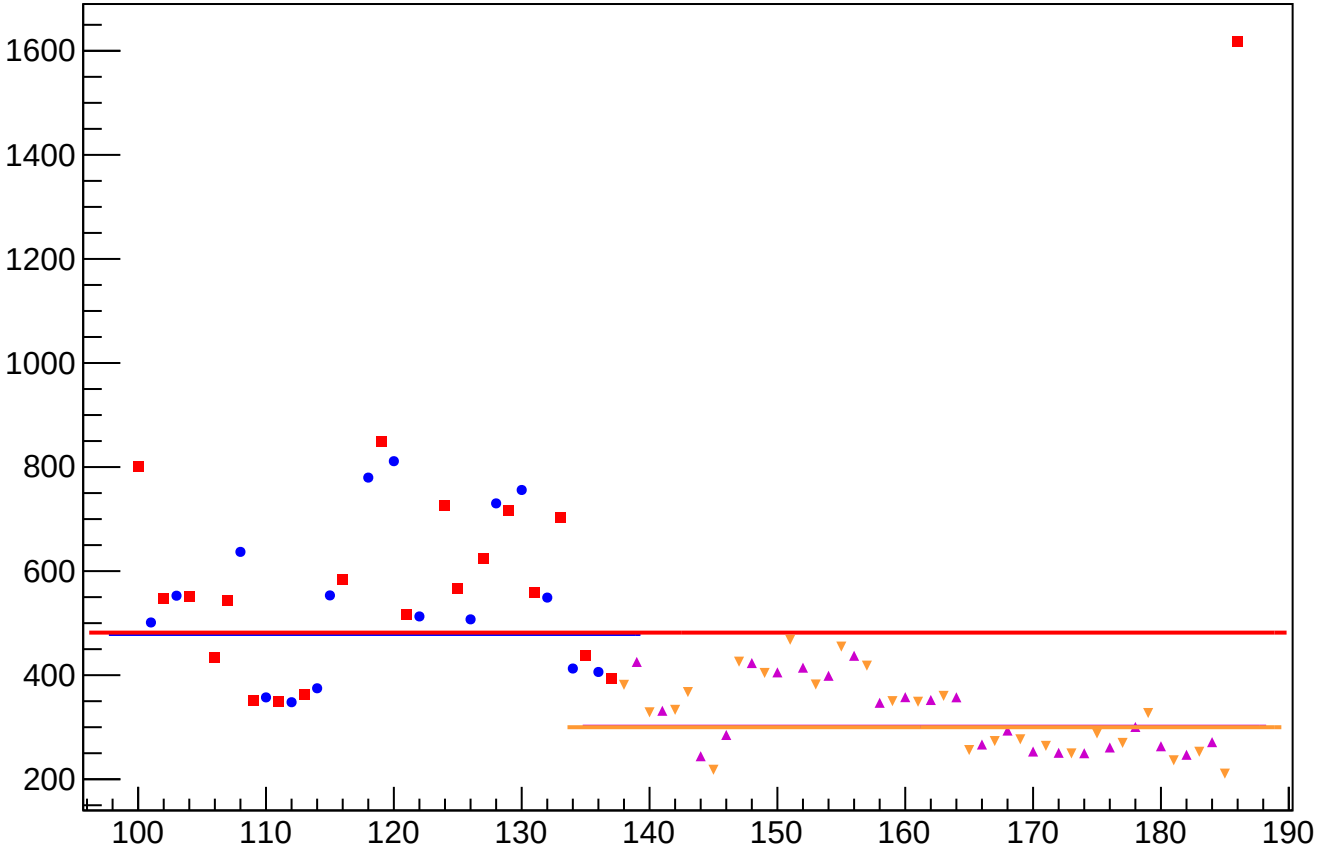
Right: -63.150+/-129.164 χ^2/NDF: 48.9/35

In: 30.885+/-67.092 χ^2/NDF:59.1/38

Out: 120.664+/-65.326 χ^2/NDF:75.1/44

All: 76.972+/-46.804 χ^2/NDF: 135.1/83

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 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

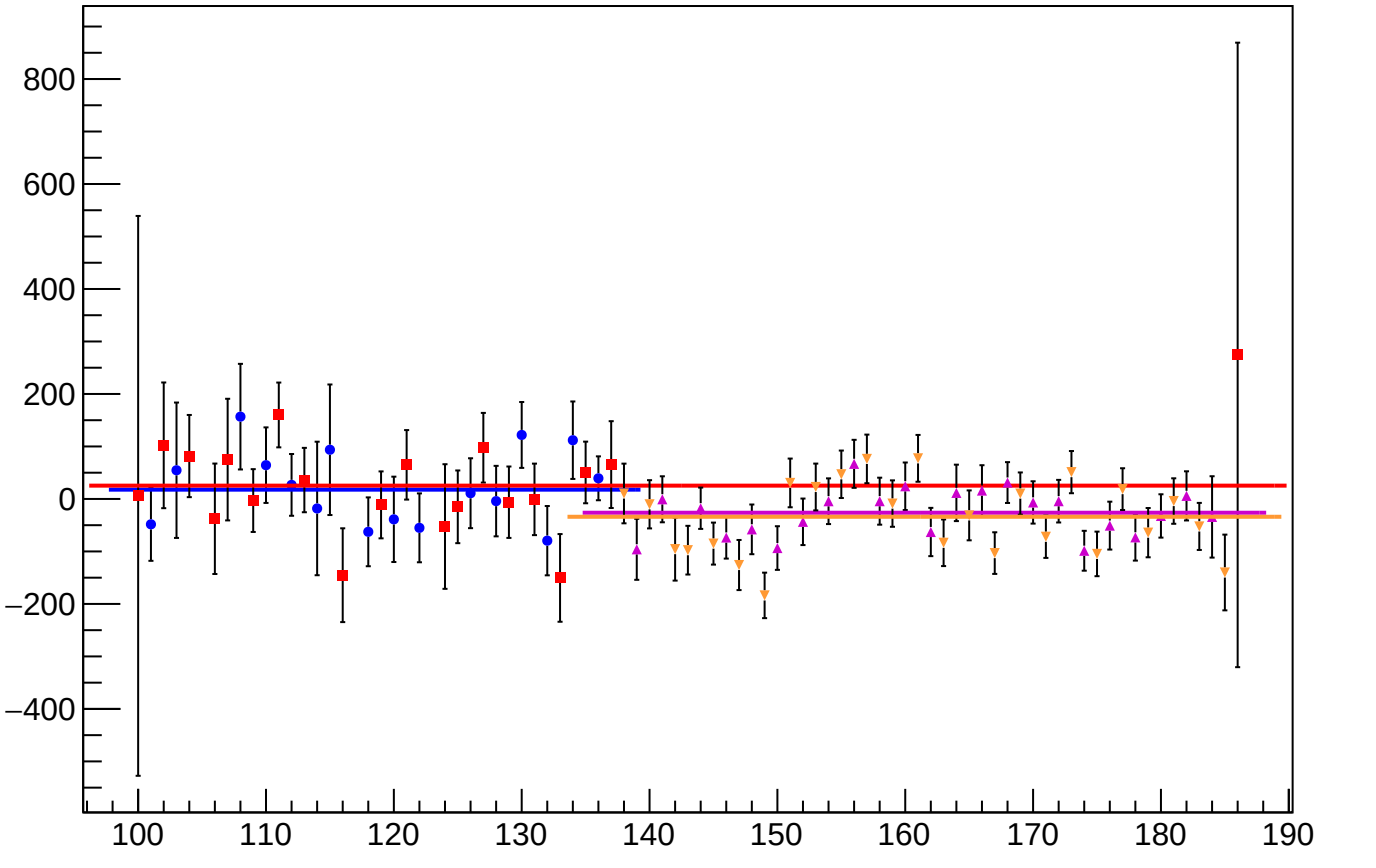
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 480.524+/-0.091 χ^2/NDF: 2365549.3/35

In: 324.381+/-0.047 χ^2/NDF:3967995.4/38

Out: 323.866+/-0.046 χ^2/NDF:4989323.2/44

All: 324.116+/-0.033 χ^2/NDF: 8957379.1/83


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
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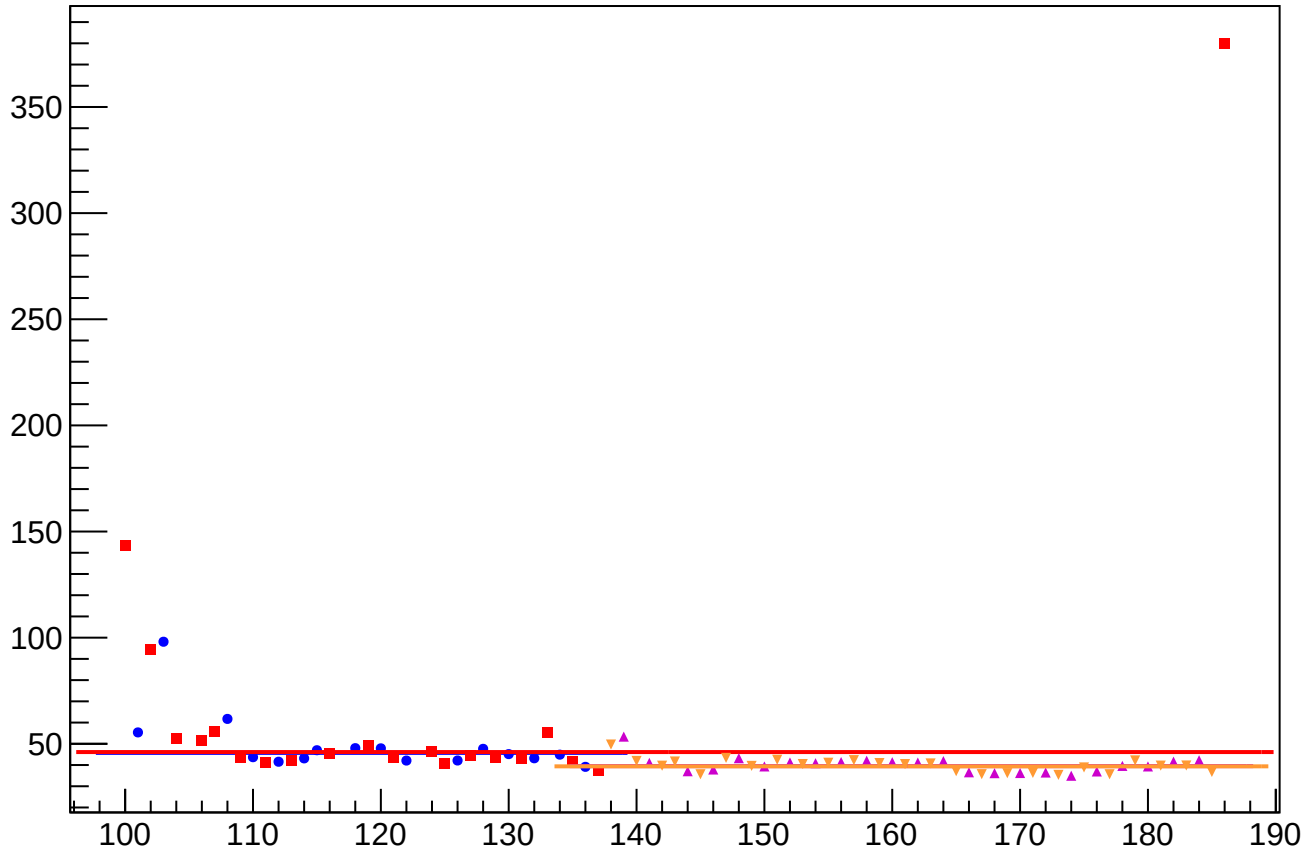
170
180
190
Right In: 17.706+/-17.470 χ²/NDF: 13.9/15
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 25.356+/-17.332 χ²/NDF: 18.2/19
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 21.561+/-12.304 χ²/NDF: 32.2/35
In: -16.604+/-8.190 χ²/NDF:41.4/38
Out: -21.373+/-7.983 χ²/NDF:86.1/44
All: -19.049+/-5.716 χ²/NDF: 127.6/83



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

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

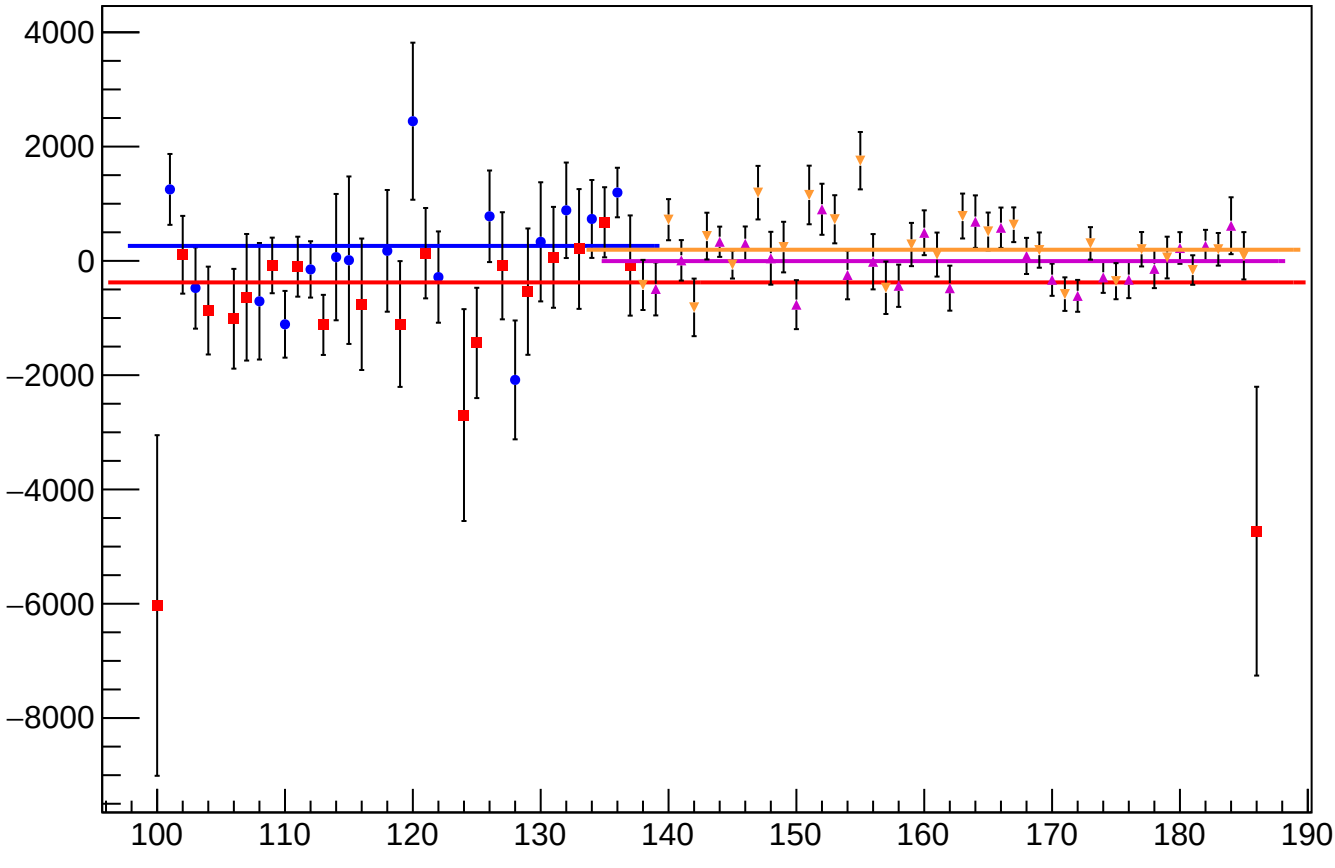
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 45.919+/-0.009 χ^2/NDF: 1670592.1/35

In: 40.861+/-0.006 χ^2/NDF:952086.5/38

Out: 40.809+/-0.006 χ^2/NDF:1634779.9/44

All: 40.835+/-0.004 χ^2/NDF: 2586907.4/83



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

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

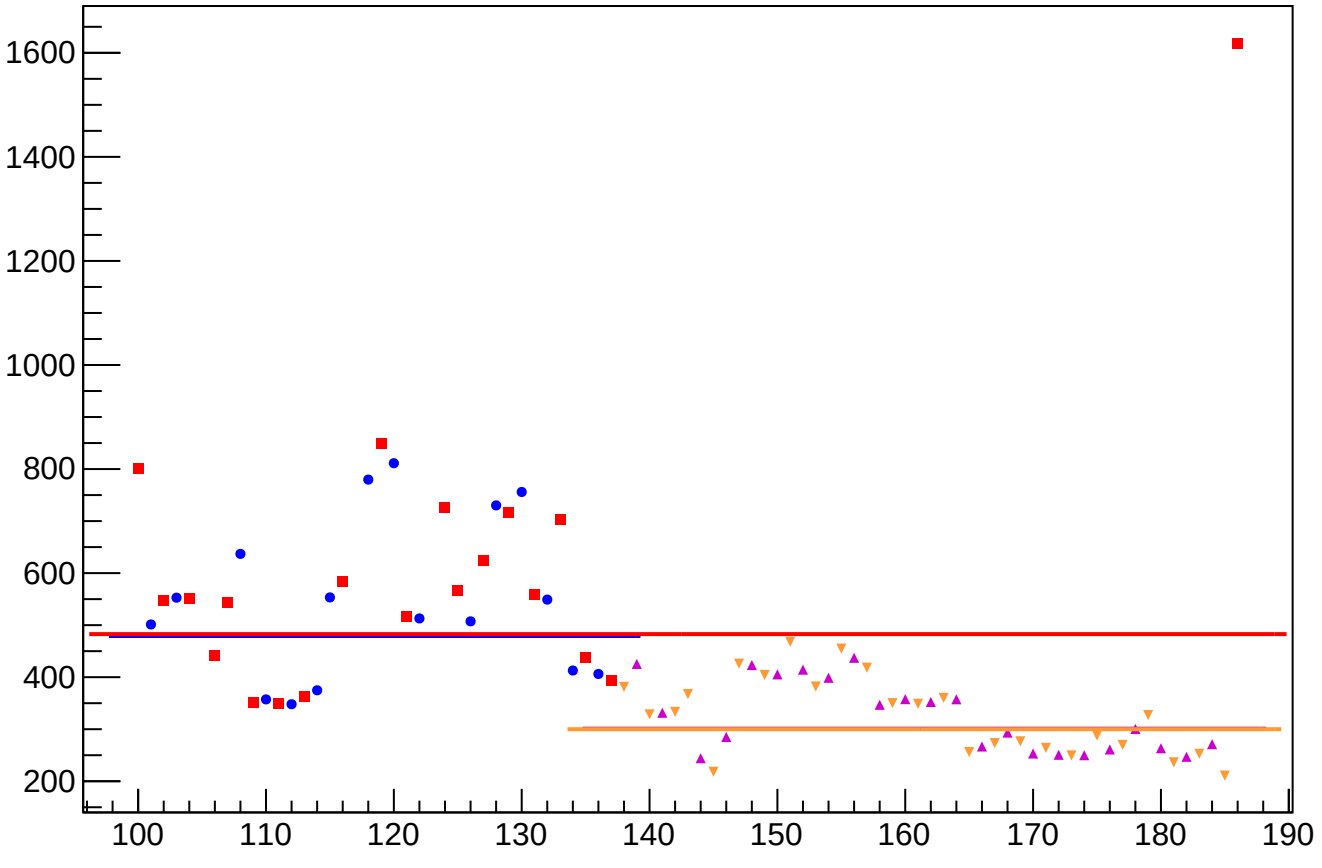
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -63.988+/-129.608 χ^2/NDF: 49.2/35

In: 30.886+/-67.092 χ^2/NDF:59.1/38

Out: 120.772+/-65.383 χ^2/NDF:75.4/44

All: 76.988+/-46.825 χ^2/NDF: 135.5/83



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

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

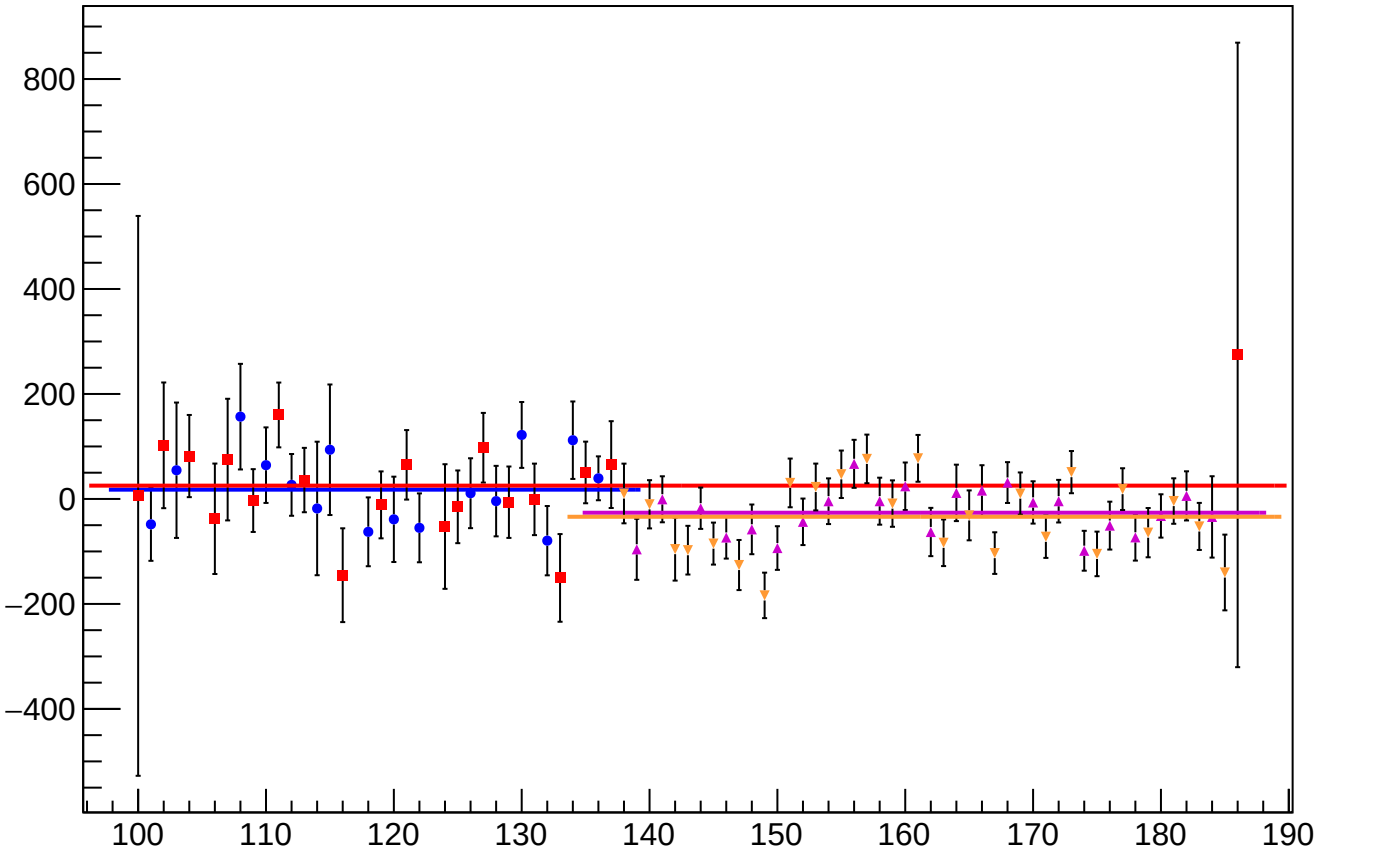
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 481.014+/-0.092 χ^2/NDF: 2362366.4/35

In: 324.381+/-0.047 χ^2/NDF:3968056.8/38

Out: 323.716+/-0.046 χ^2/NDF:4984237.1/44

All: 324.040+/-0.033 χ^2/NDF: 8952394.7/83


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
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180
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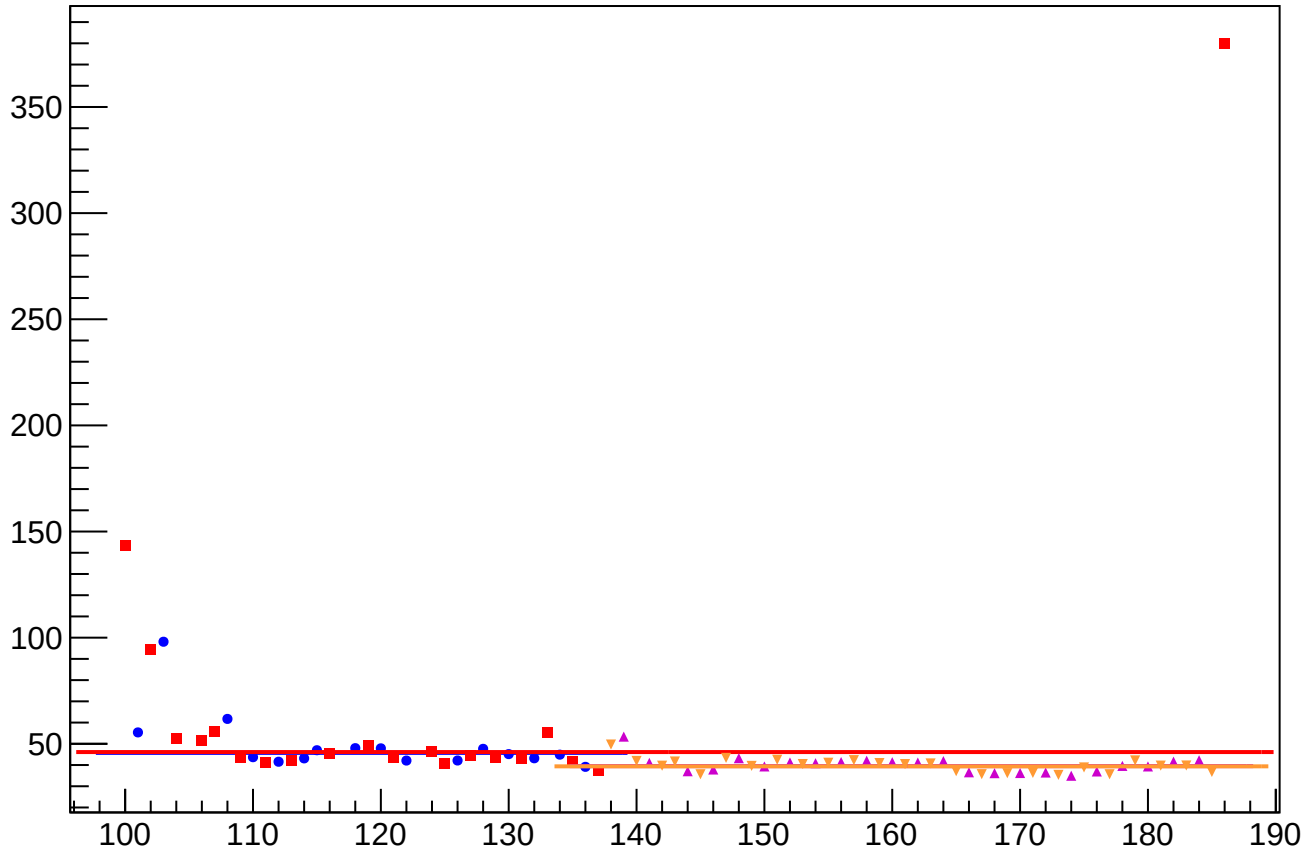
Right In: 17.706+/-17.470 χ²/NDF: 13.9/15
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 25.356+/-17.332 χ²/NDF: 18.2/19
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 21.561+/-12.304 χ²/NDF: 32.2/35
In: -16.604+/-8.190 χ²/NDF:41.4/38
Out: -21.373+/-7.983 χ²/NDF:86.1/44
All: -19.049+/-5.716 χ²/NDF: 127.6/83



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

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

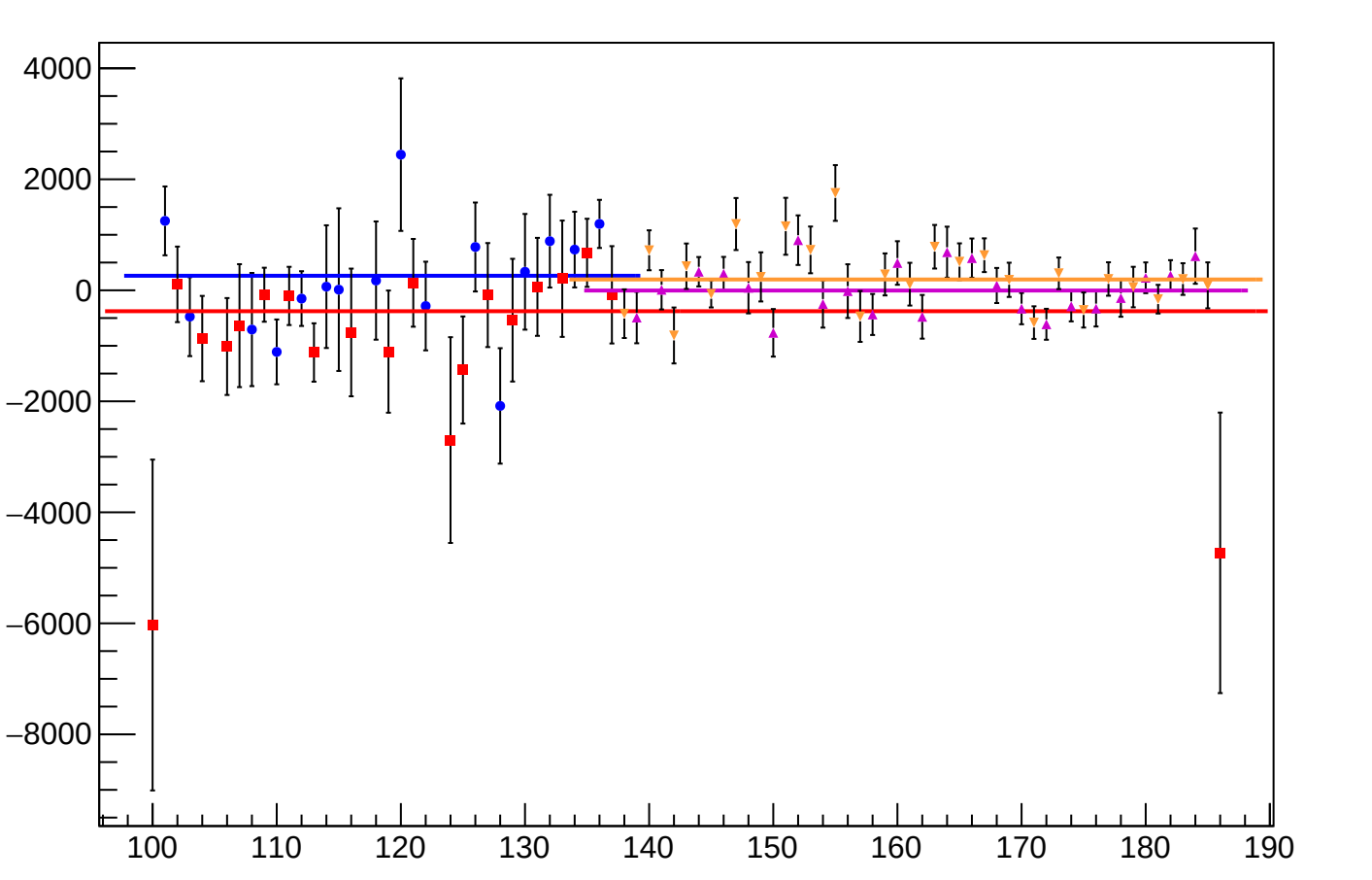
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 45.919+/-0.009 χ^2/NDF: 1670592.1/35

In: 40.861+/-0.006 χ^2/NDF:952086.5/38

Out: 40.809+/-0.006 χ^2/NDF:1634779.9/44

All: 40.835+/-0.004 χ^2/NDF: 2586907.4/83



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

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

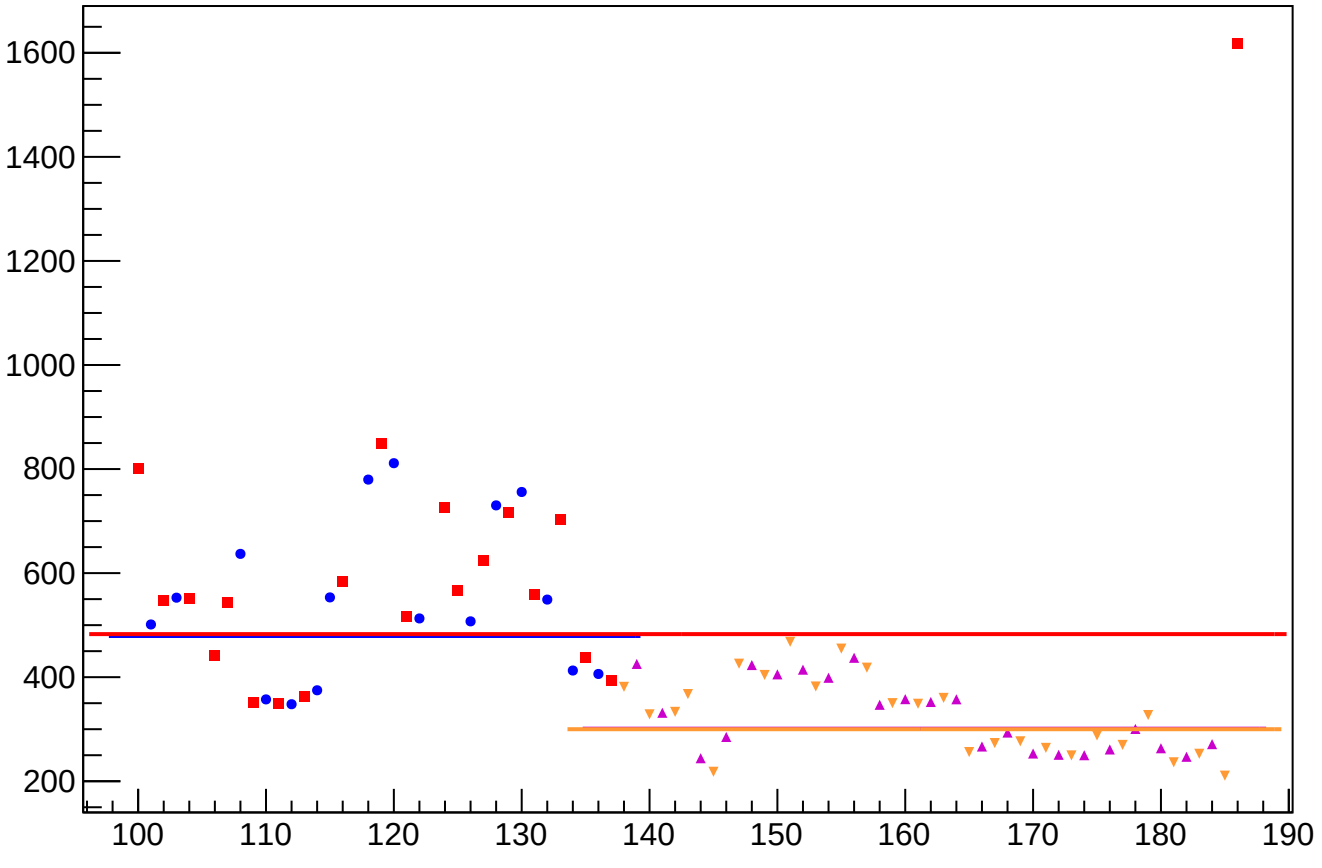
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -63.988+/-129.608 χ^2/NDF: 49.2/35

In: 30.886+/-67.092 χ^2/NDF:59.1/38

Out: 120.772+/-65.383 χ^2/NDF:75.4/44

All: 76.988+/-46.825 χ^2/NDF: 135.5/83



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

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

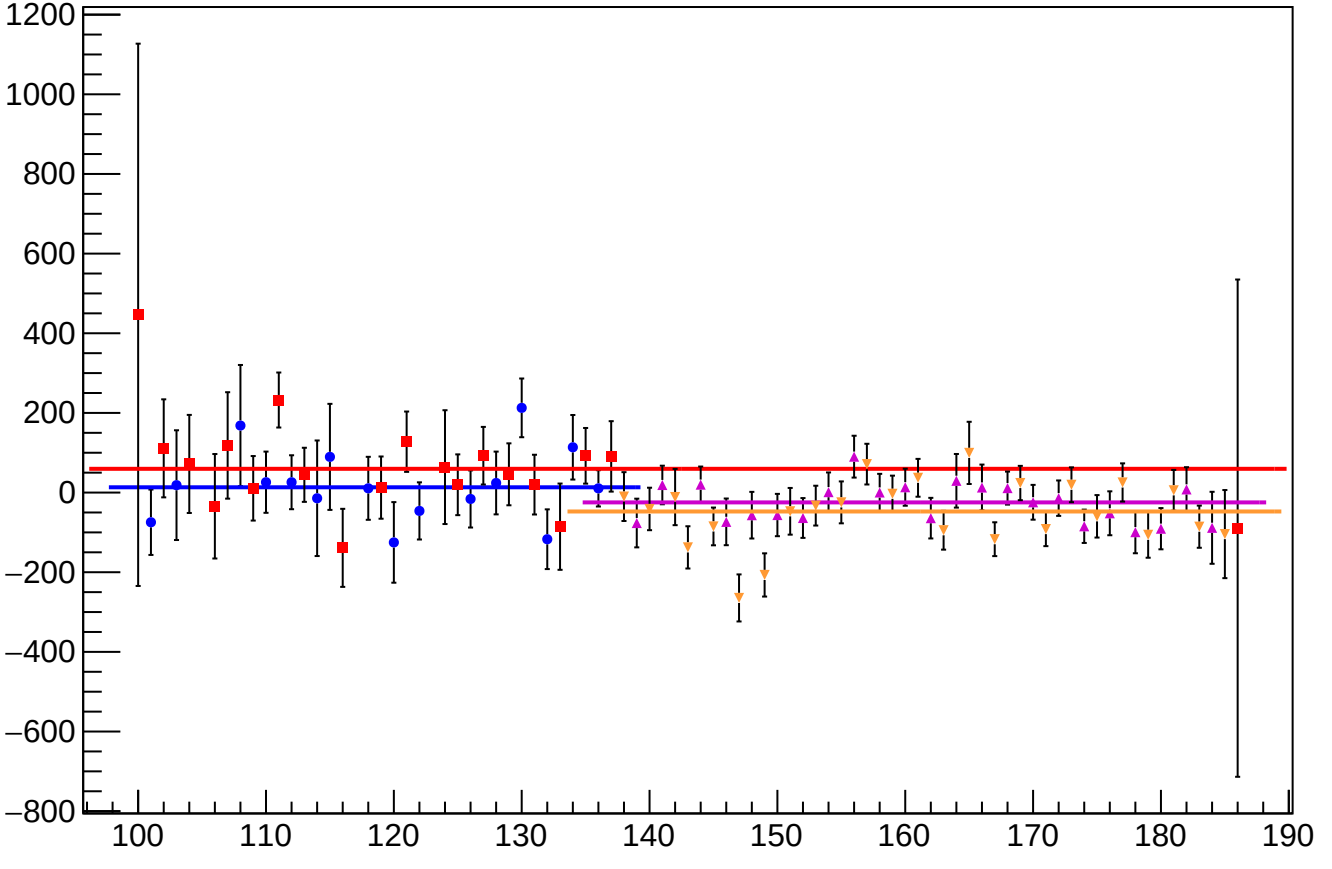
Right: 481.014+/-0.092 χ^2/NDF: 2362366.4/35

In: 324.381+/-0.047 χ^2/NDF:3968056.8/38

Out: 323.716+/-0.046 χ^2/NDF:4984237.1/44

All: 324.040+/-0.033 χ^2/NDF: 8952394.7/83

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

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

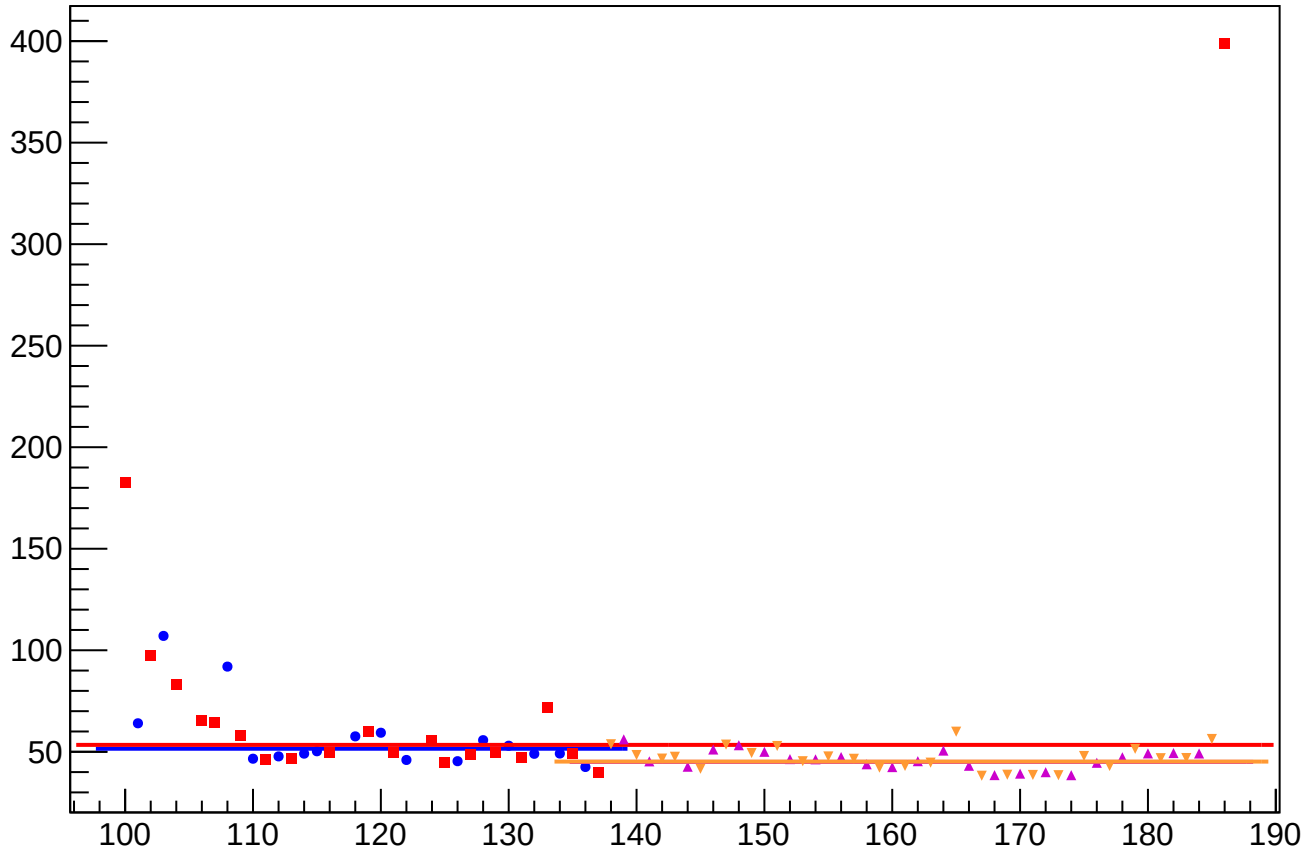
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.027+/-14.166 χ^2/NDF: 36.1/35

In: -16.191+/-9.391 χ^2/NDF:39.8/38

Out: -25.100+/-9.243 χ^2/NDF:93.0/44

All: -20.716+/-6.588 χ^2/NDF: 133.3/83



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

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

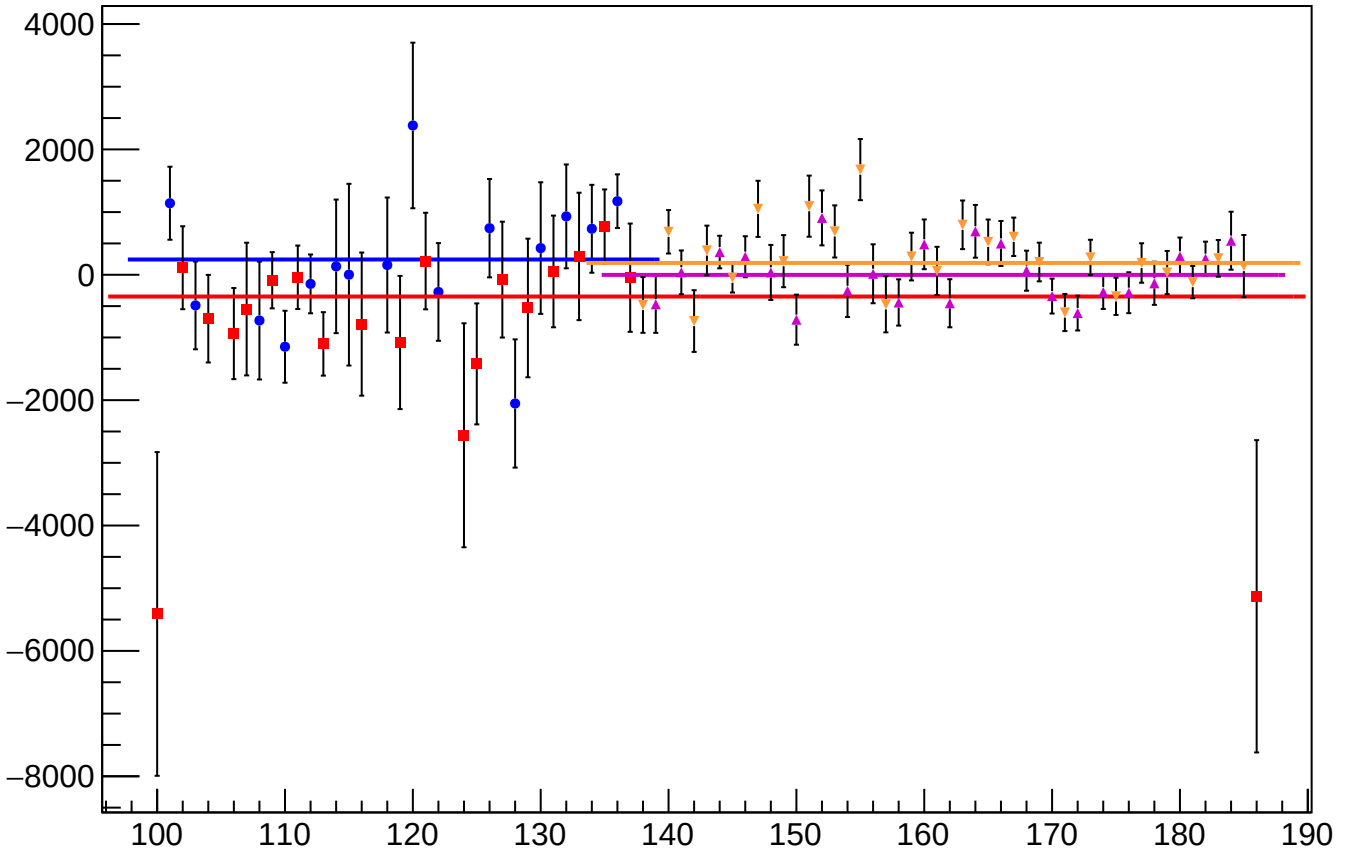
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 52.435+/-0.010 χ^2/NDF: 2001722.2/35

In: 46.470+/-0.007 χ^2/NDF:1205605.4/38

Out: 46.893+/-0.007 χ^2/NDF:2077309.8/44

All: 46.685+/-0.005 χ^2/NDF: 3284980.7/83



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

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

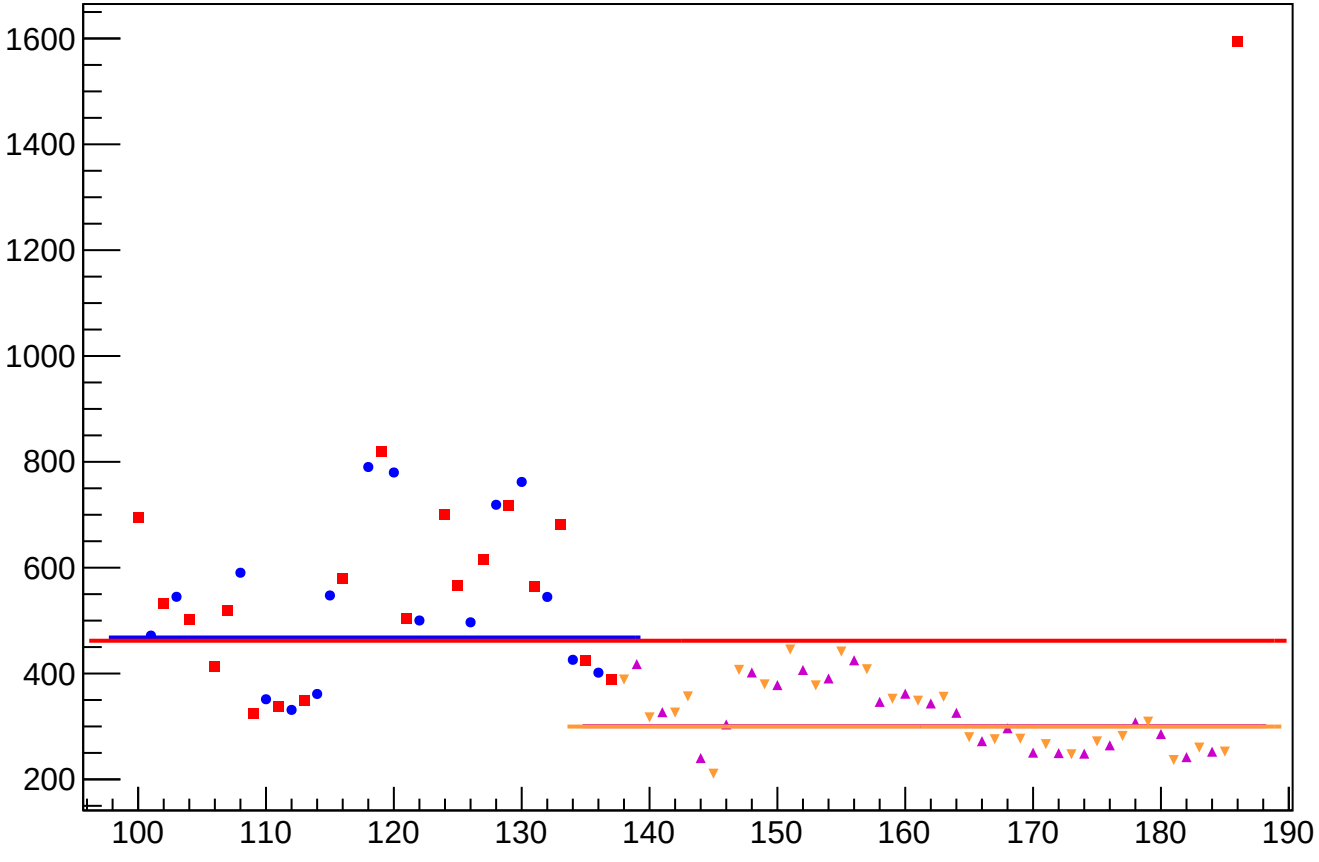
Right: -64.293+/-125.100 χ^2/NDF: 51.3/35

In: 31.692+/-66.664 χ^2/NDF:59.4/38

Out: 114.136+/-64.672 χ^2/NDF:75.2/44

All: 74.164+/-46.418 χ^2/NDF: 135.4/83

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 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

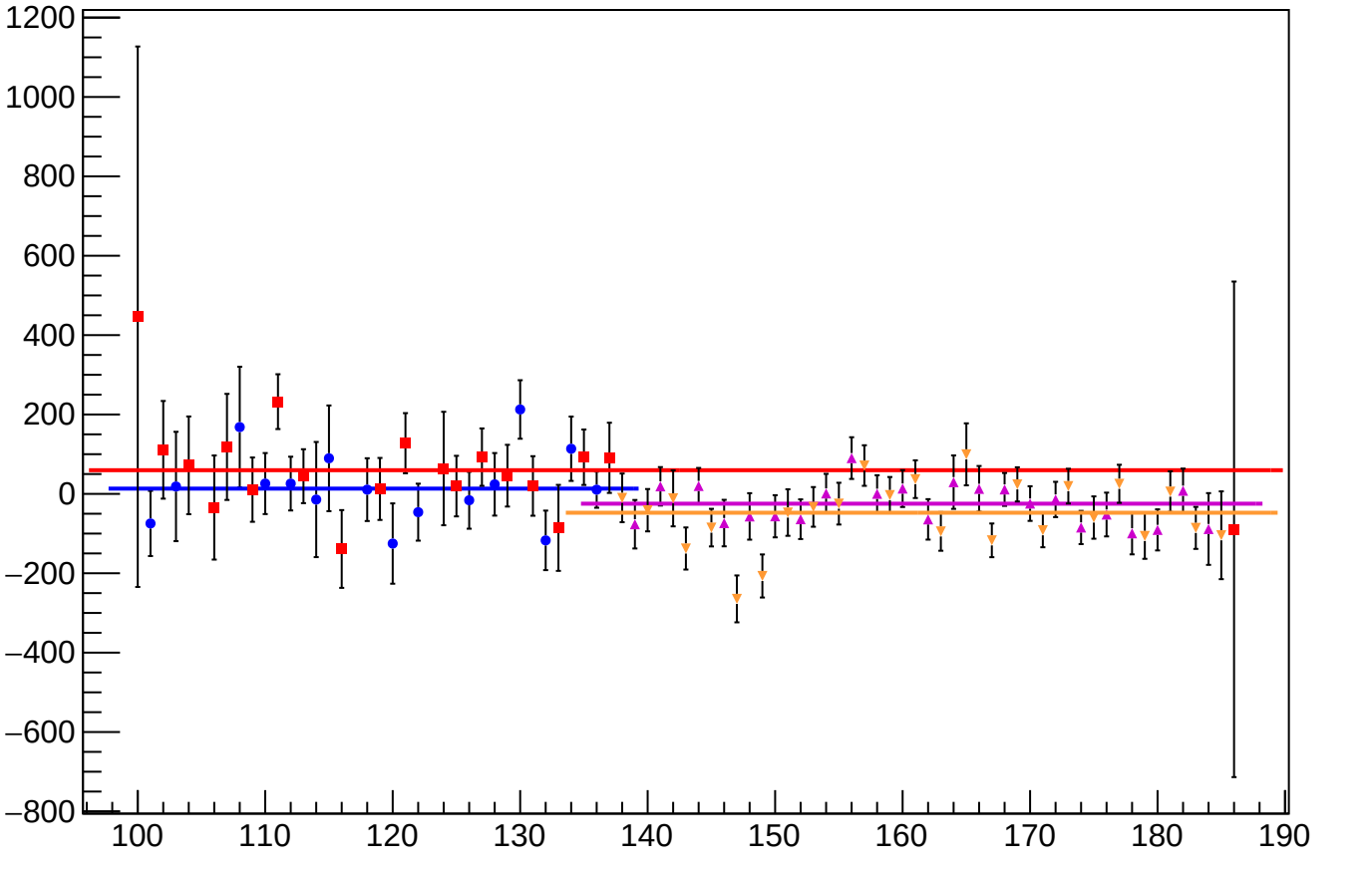
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 464.886+/-0.088 χ^2/NDF: 2481829.1/35

In: 323.301+/-0.047 χ^2/NDF:3724777.0/38

Out: 322.406+/-0.046 χ^2/NDF:4583912.3/44

All: 322.840+/-0.033 χ^2/NDF: 8308875.0/83



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

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

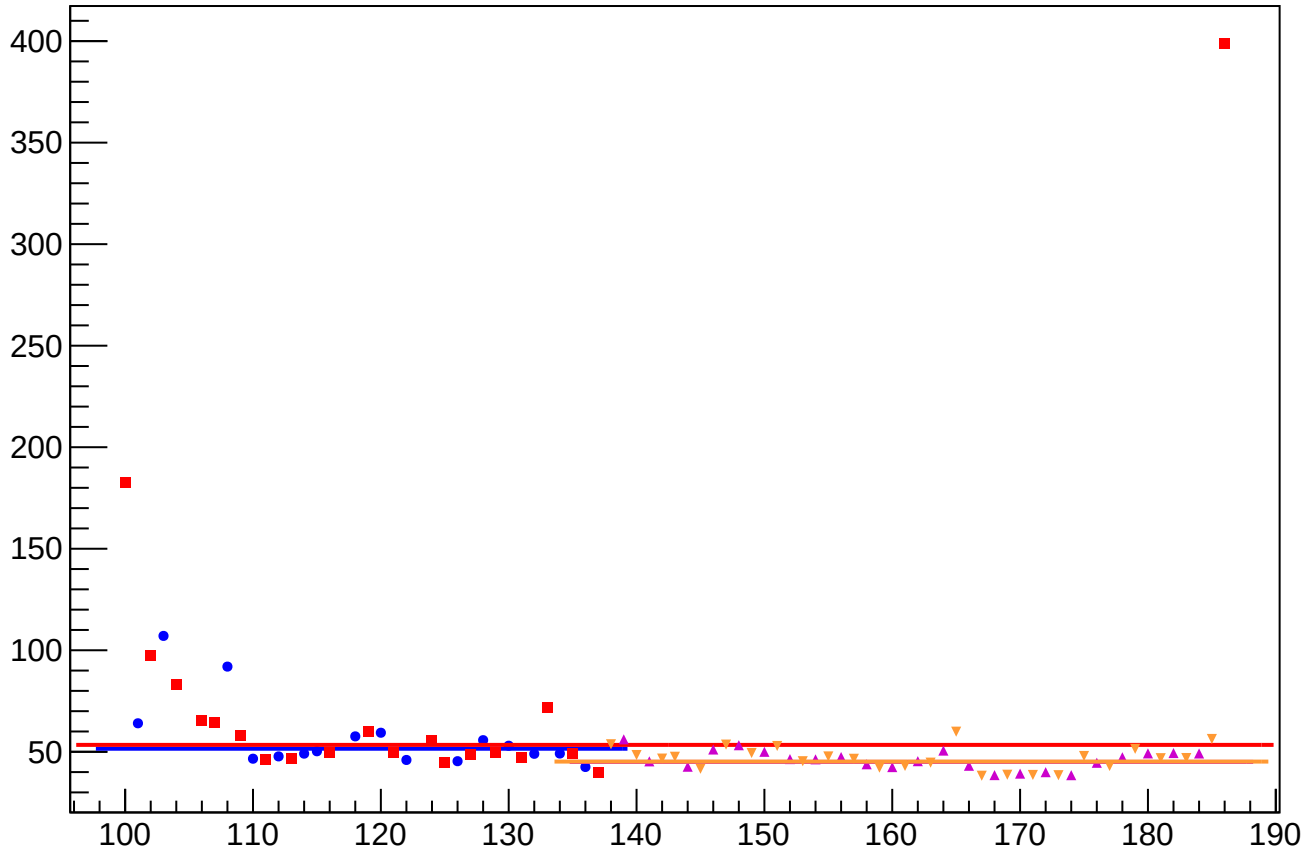
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 36.027+/-14.166 χ^2/NDF: 36.1/35

In: -16.191+/-9.391 χ^2/NDF:39.8/38

Out: -25.100+/-9.243 χ^2/NDF:93.0/44

All: -20.716+/-6.588 χ^2/NDF: 133.3/83



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

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

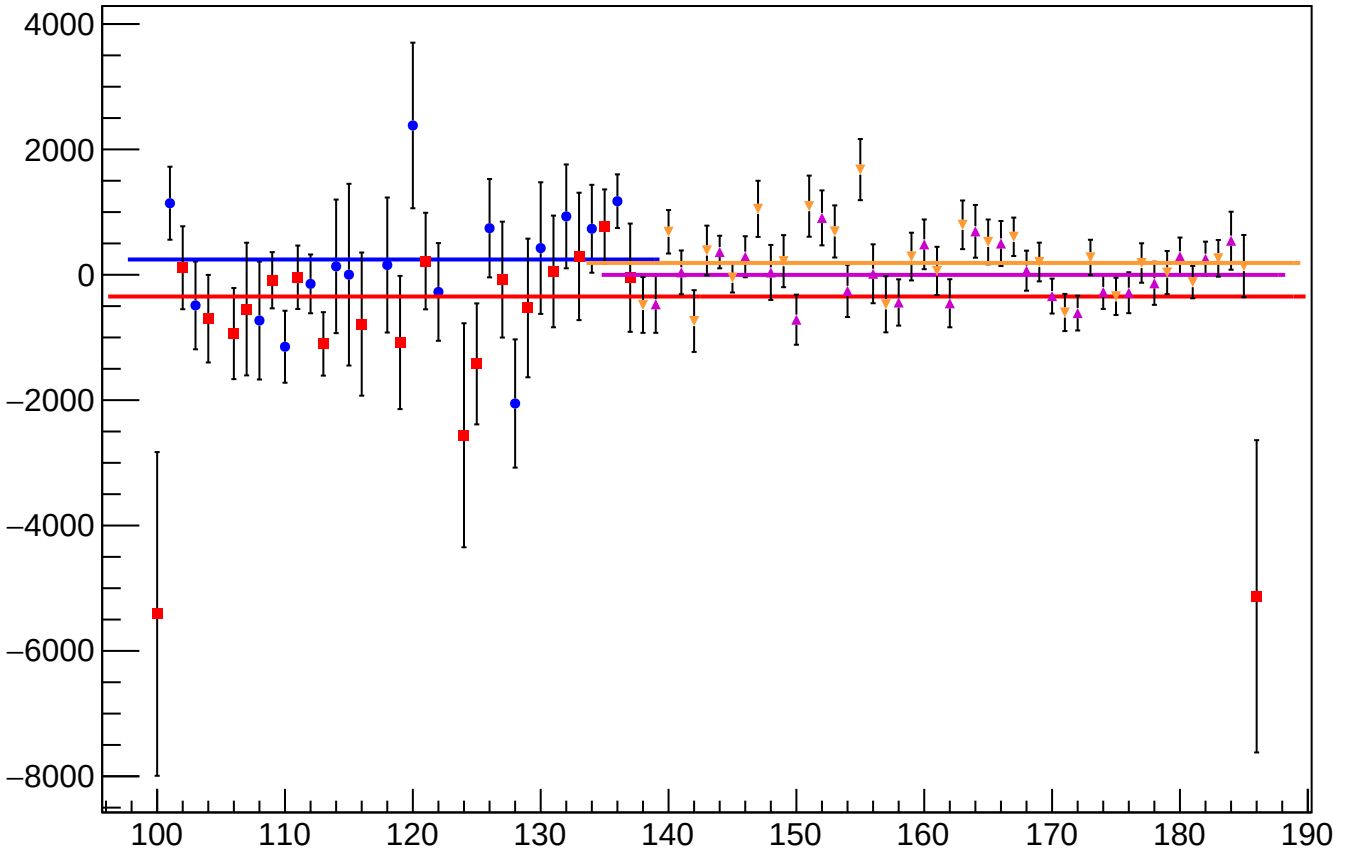
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 52.435+/-0.010 χ^2/NDF: 2001737.2/35

In: 46.470+/-0.007 χ^2/NDF:1205610.8/38

Out: 46.893+/-0.007 χ^2/NDF:2077321.4/44

All: 46.685+/-0.005 χ^2/NDF: 3284997.5/83



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

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

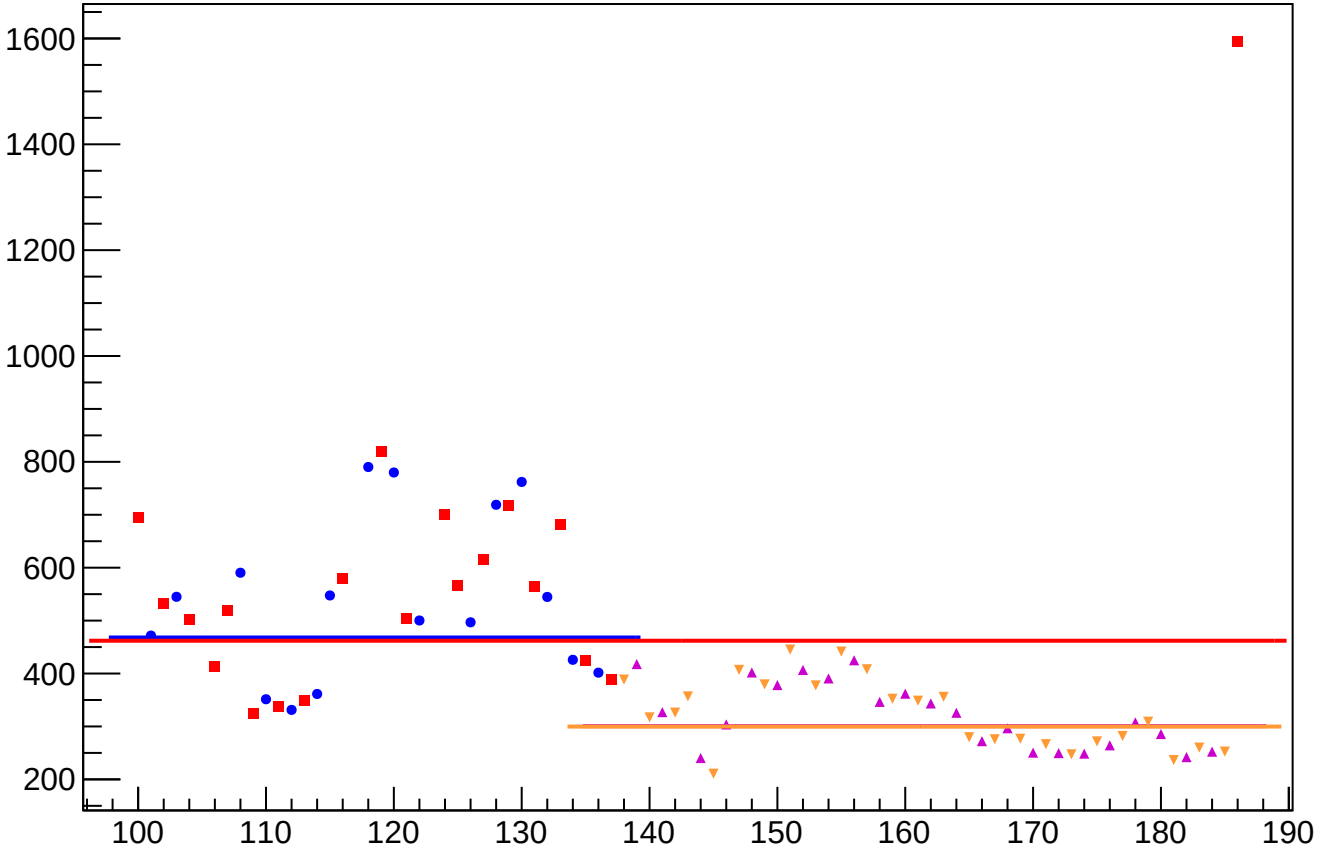
Right: -64.293+/-125.099 χ^2/NDF: 51.3/35

In: 31.693+/-66.664 χ^2/NDF:59.4/38

Out: 114.136+/-64.672 χ^2/NDF:75.2/44

All: 74.164+/-46.418 χ^2/NDF: 135.4/83

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 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

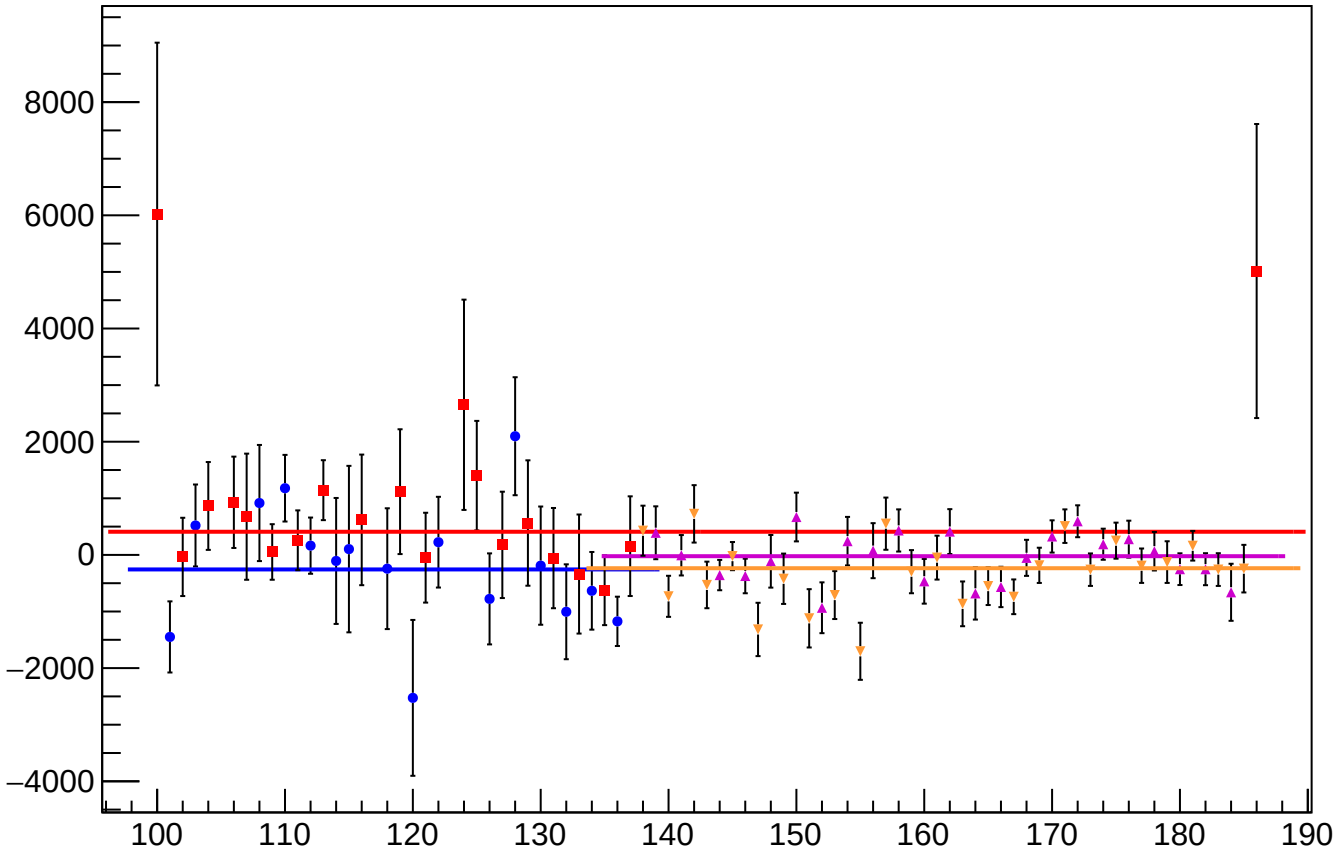
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 464.885+/-0.088 χ^2/NDF: 2481824.1/35

In: 323.301+/-0.047 χ^2/NDF:3724755.0/38

Out: 322.406+/-0.046 χ^2/NDF:4583894.0/44

All: 322.840+/-0.033 χ^2/NDF: 8308834.8/83



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

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

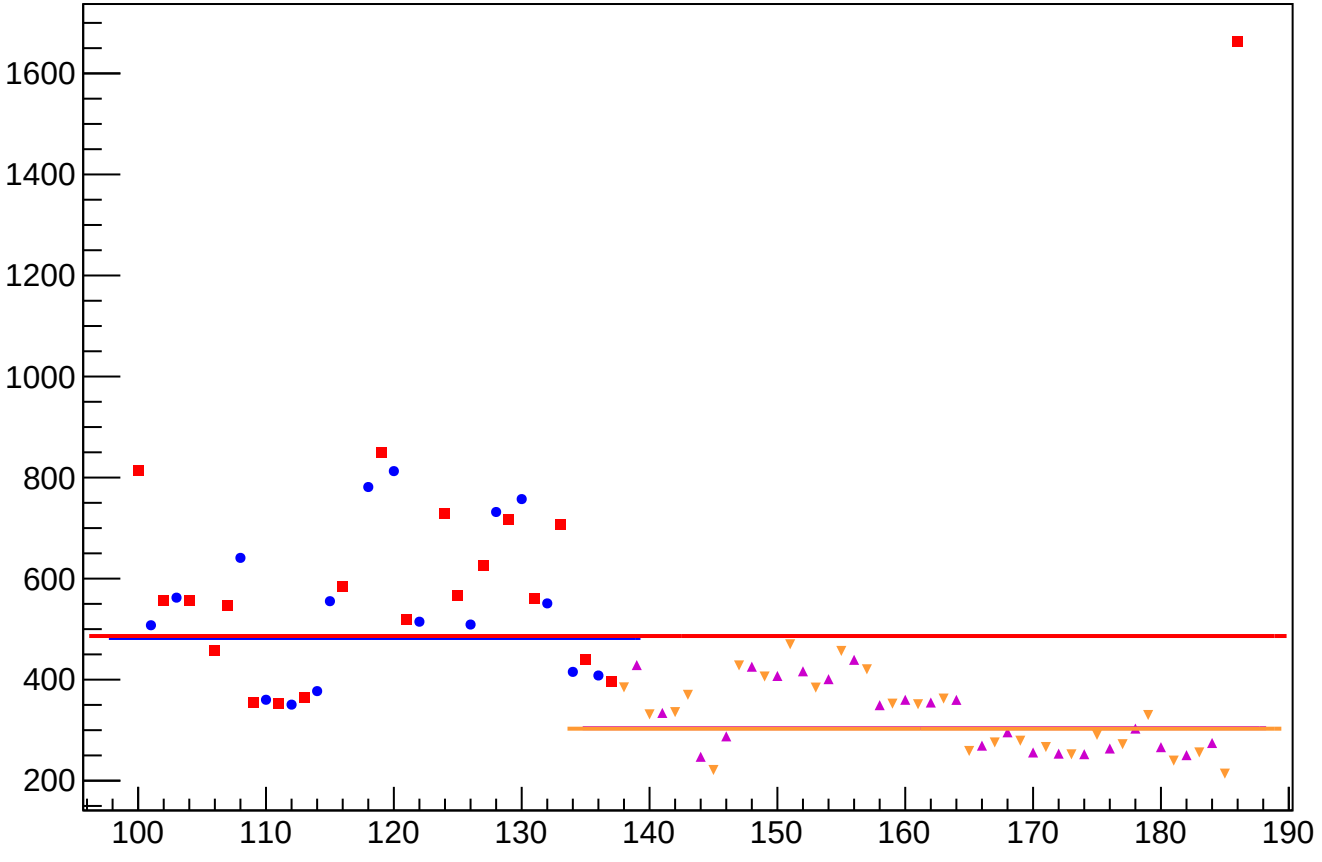
Right: 84.418+/-130.211 χ^2/NDF: 50.9/35

In: -53.509+/-67.687 χ^2/NDF:58.1/38

Out: -150.533+/-65.932 χ^2/NDF:75.7/44

All: -103.296+/-47.229 χ^2/NDF: 135.0/83

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

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

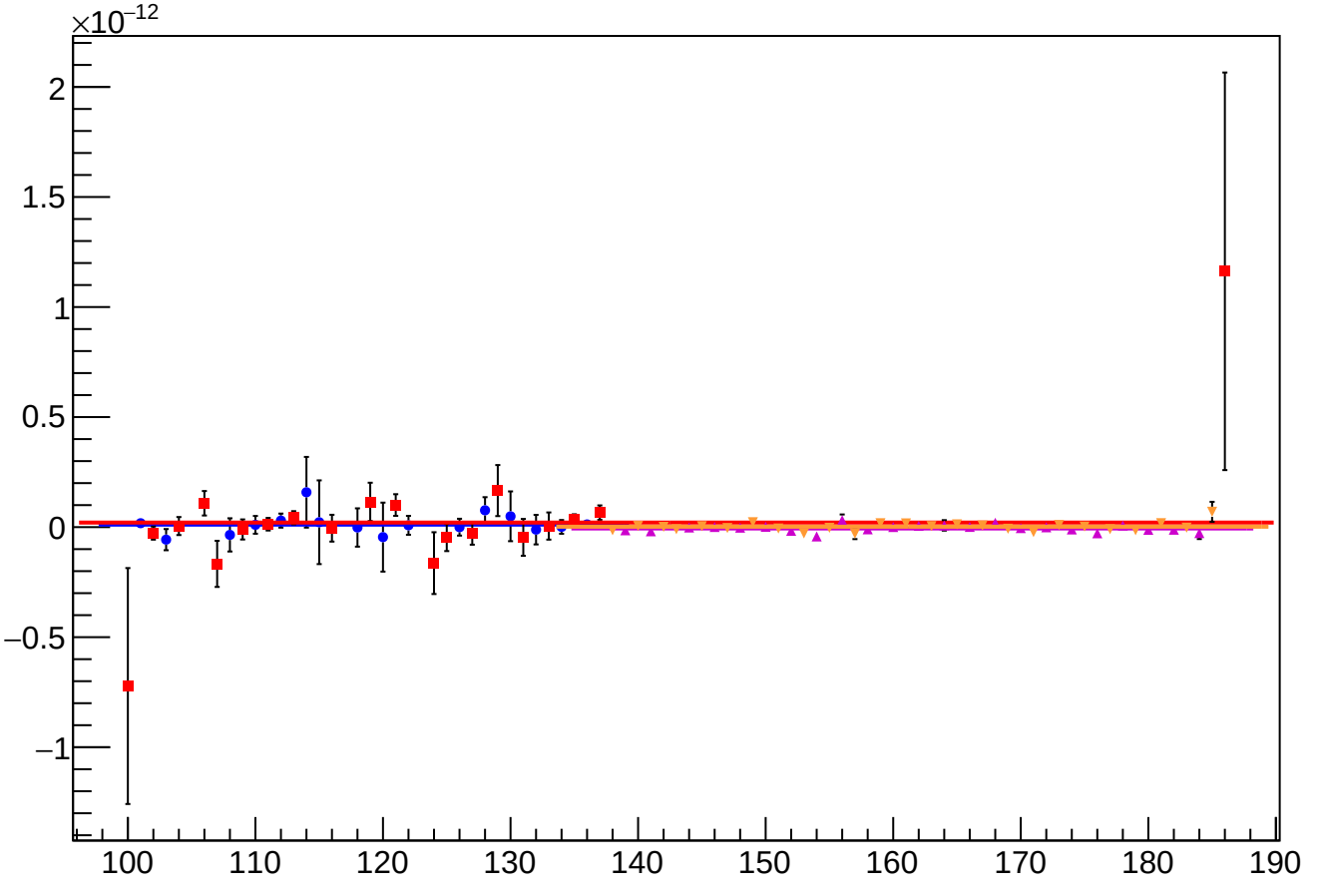
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 484.482+/-0.092 χ^2/NDF: 2353095.4/35

In: 327.456+/-0.048 χ^2/NDF:3915724.3/38

Out: 327.036+/-0.047 χ^2/NDF:4938235.2/44

All: 327.241+/-0.033 χ^2/NDF: 8853999.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

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

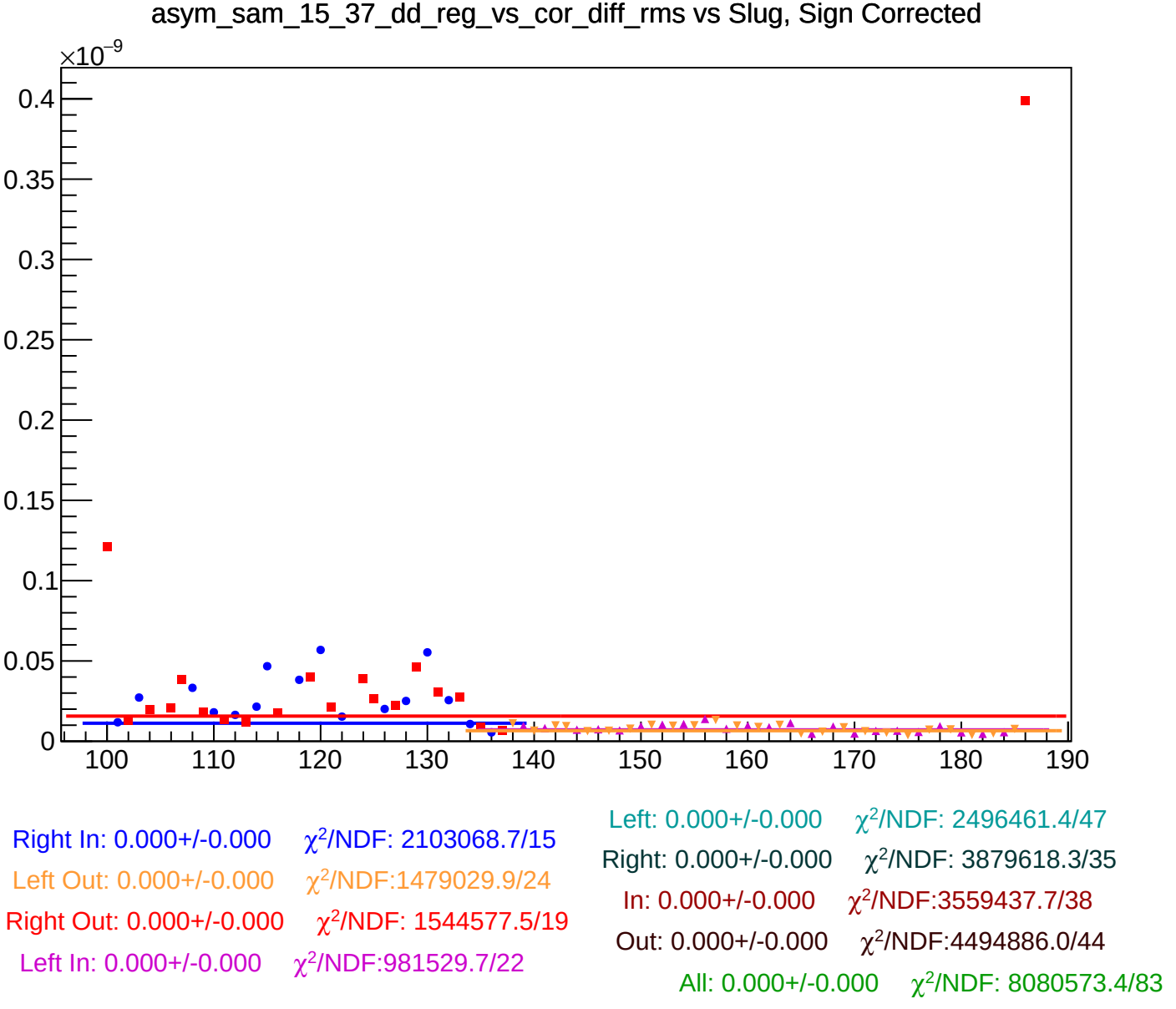
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 31.3/35

In: -0.000+/-0.000 χ^2/NDF:27.9/38

Out: 0.000+/-0.000 χ^2/NDF:51.3/44

All: -0.000+/-0.000 χ^2/NDF: 83.0/83


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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0.35
0.3
0.25
0.2
0.15
0.1
0.05
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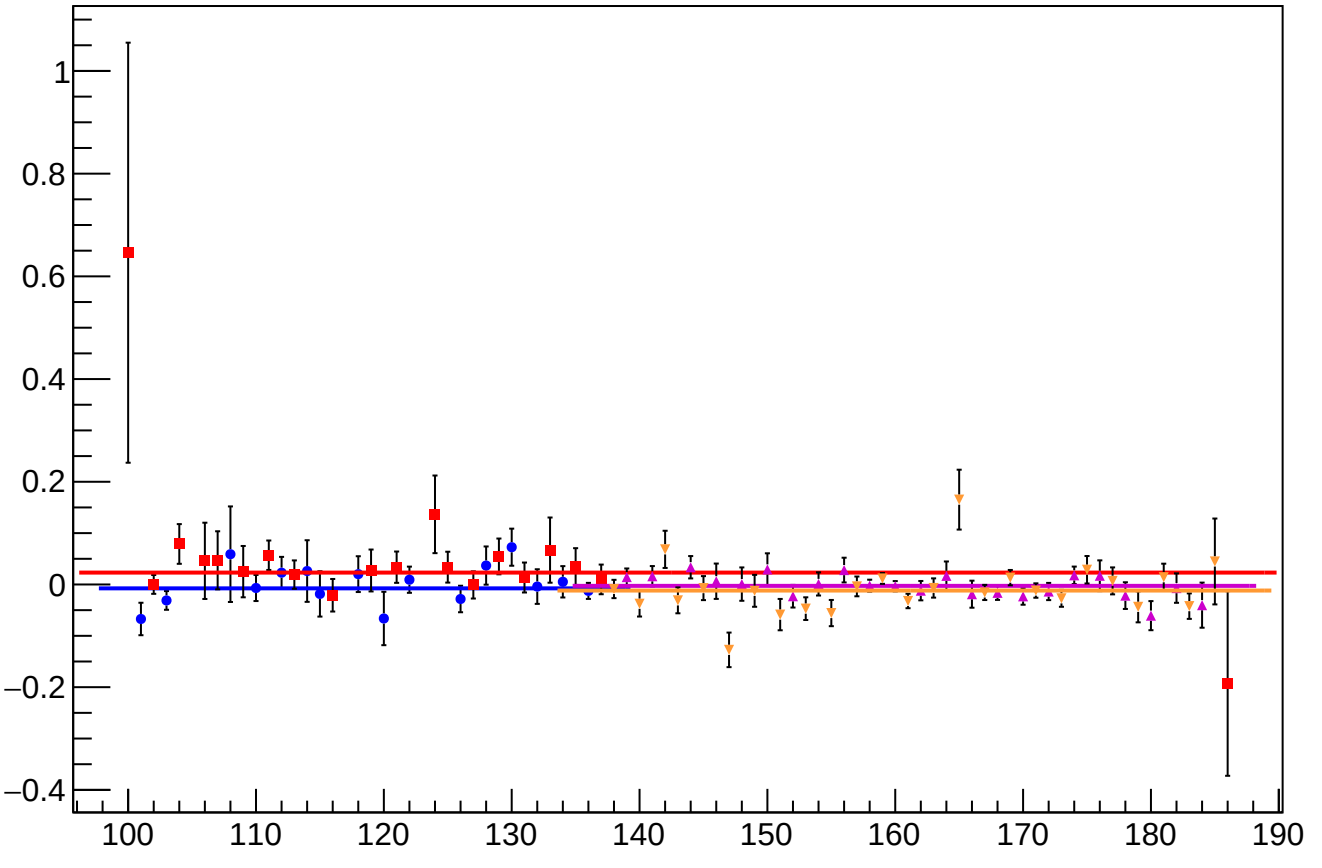
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1544577.5/19
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 3879618.3/35
In: 0.000+/-0.000 χ²/NDF:3559437.7/38
Out: 0.000+/-0.000 χ²/NDF:4494886.0/44
All: 0.000+/-0.000 χ²/NDF: 8080573.4/83



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

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

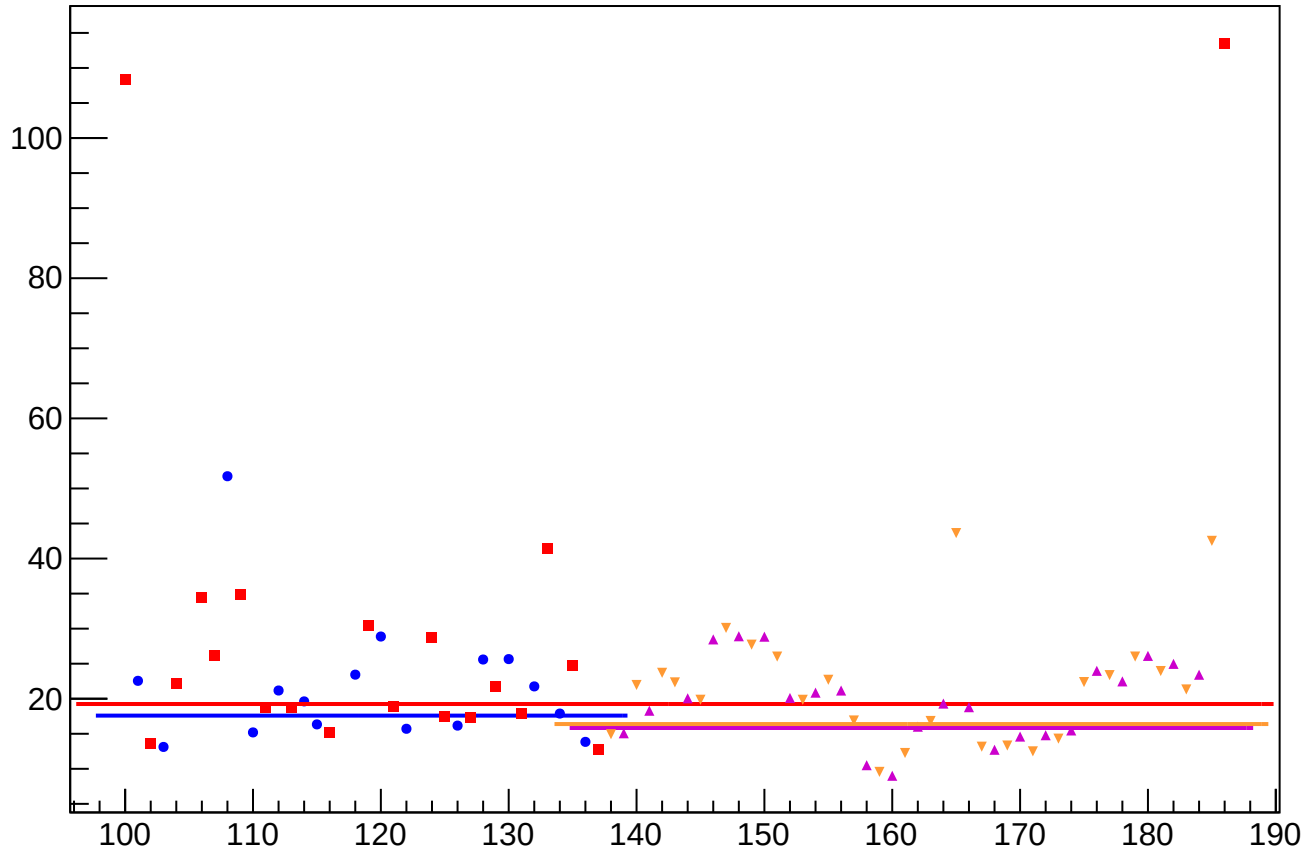
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.007+/-0.005 χ^2/NDF: 41.3/35

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 122.3/83



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

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

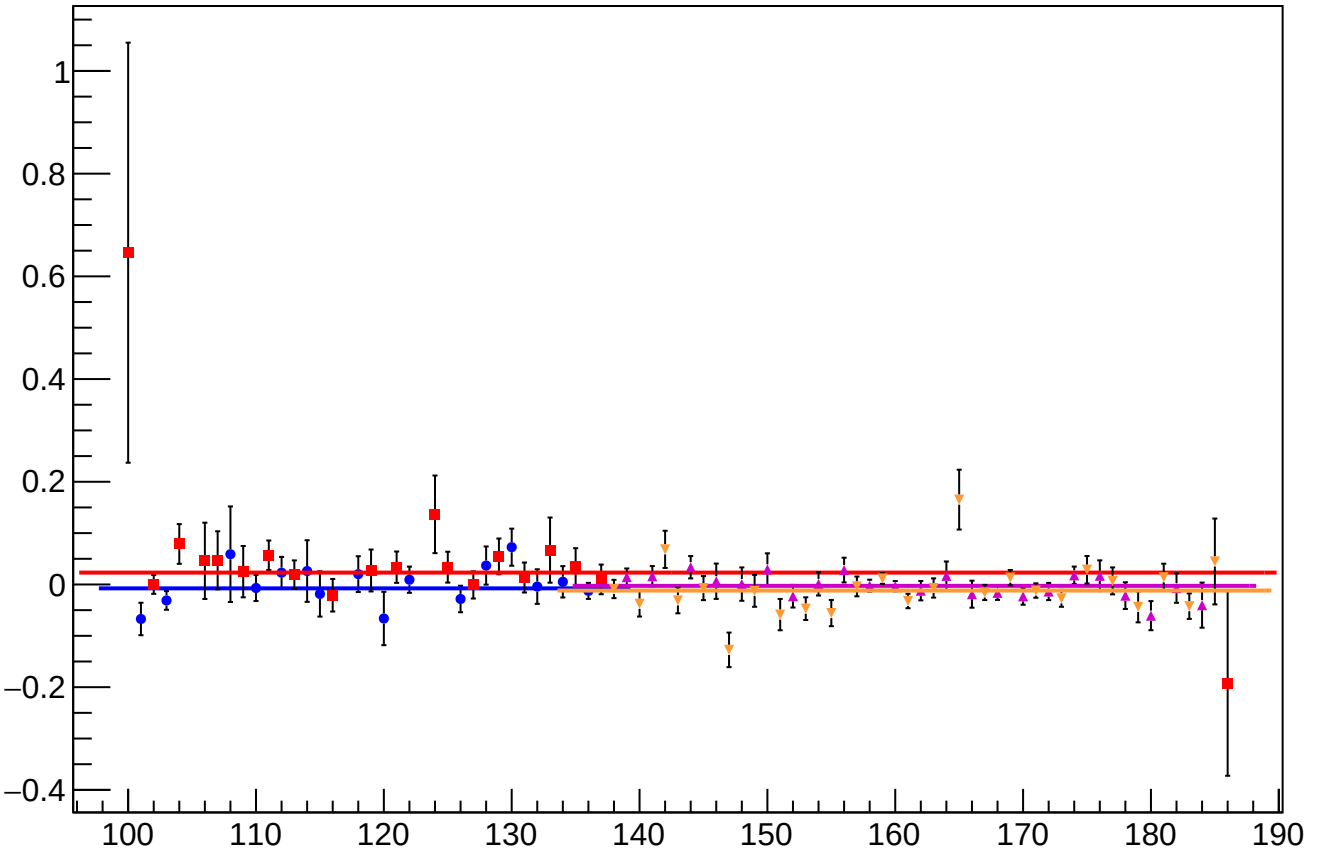
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 18.360+/-0.004 χ^2/NDF: 2840782.0/35

In: 16.247+/-0.002 χ^2/NDF:4739399.0/38

Out: 17.006+/-0.003 χ^2/NDF:6042564.9/44

All: 16.619+/-0.002 χ^2/NDF: 10827446.6/83



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

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

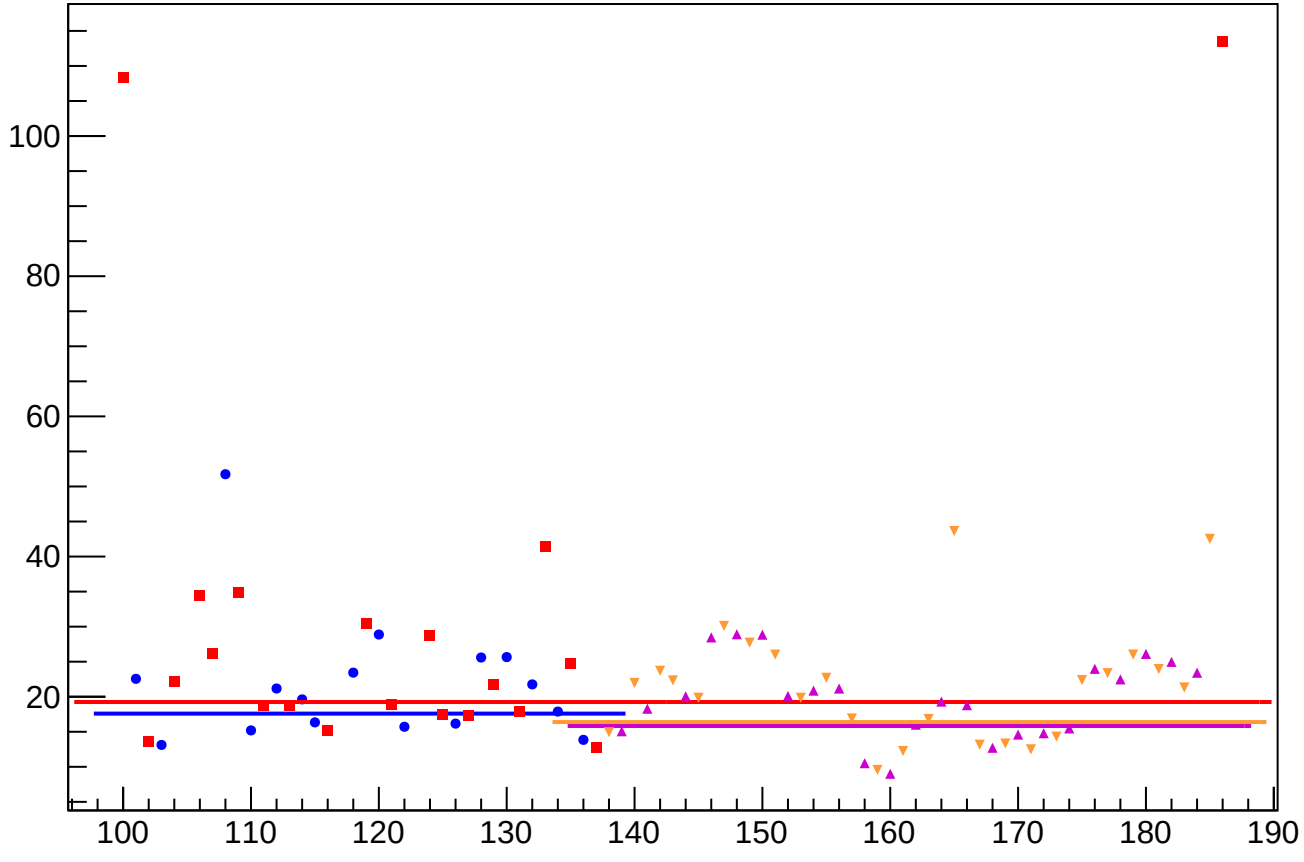
Right: 0.007+/-0.005 χ^2/NDF: 41.3/35

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 122.3/83

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 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

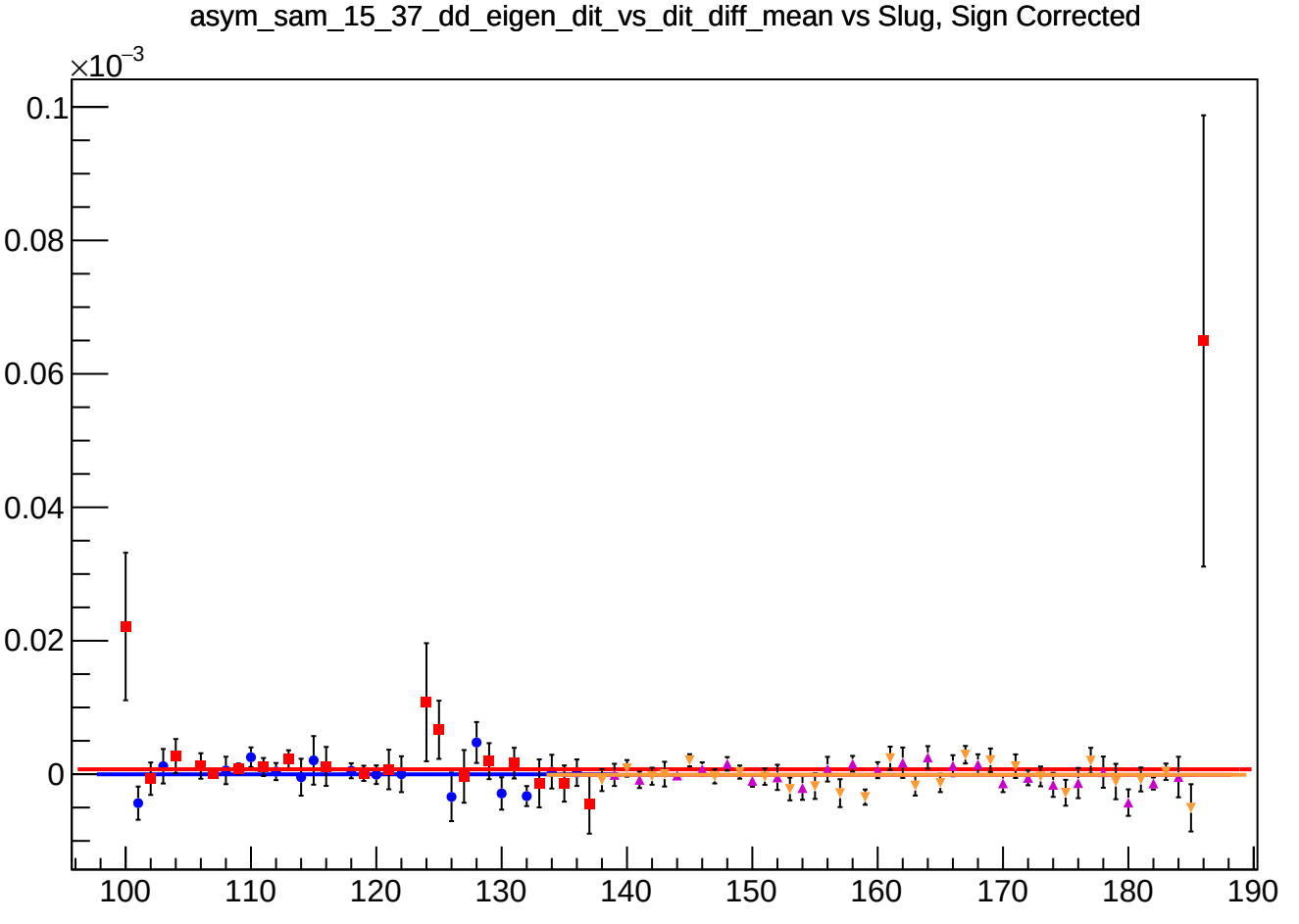
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 18.360+/-0.004 χ^2/NDF: 2840782.0/35

In: 16.247+/-0.002 χ^2/NDF:4739399.0/38

Out: 17.006+/-0.003 χ^2/NDF:6042564.9/44

All: 16.619+/-0.002 χ^2/NDF: 10827446.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

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

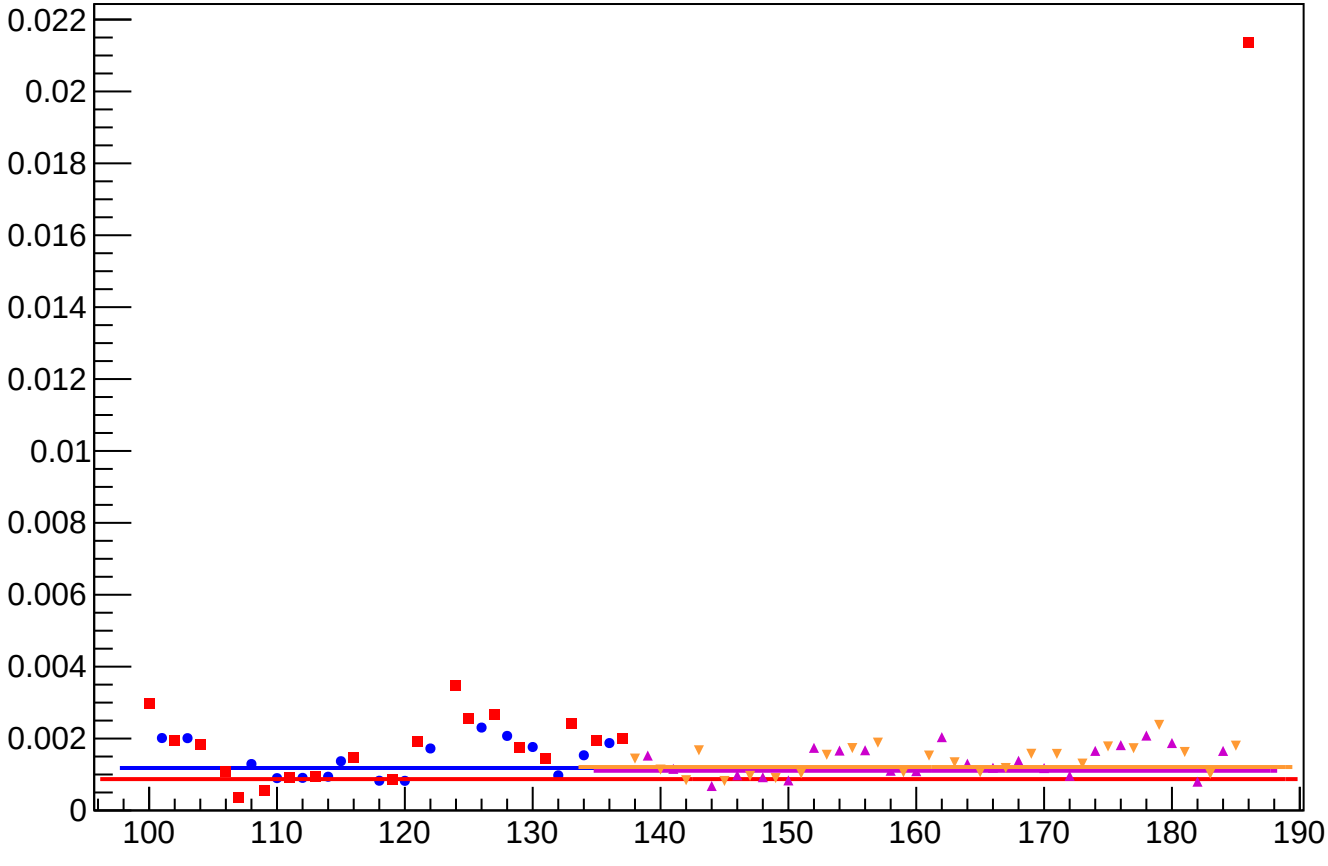
Right: 0.000+/-0.000 χ^2/NDF: 34.5/35

In: -0.000+/-0.000 χ^2/NDF:38.5/38

Out: 0.000+/-0.000 χ^2/NDF:55.6/44

All: 0.000+/-0.000 χ^2/NDF: 94.8/83

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

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

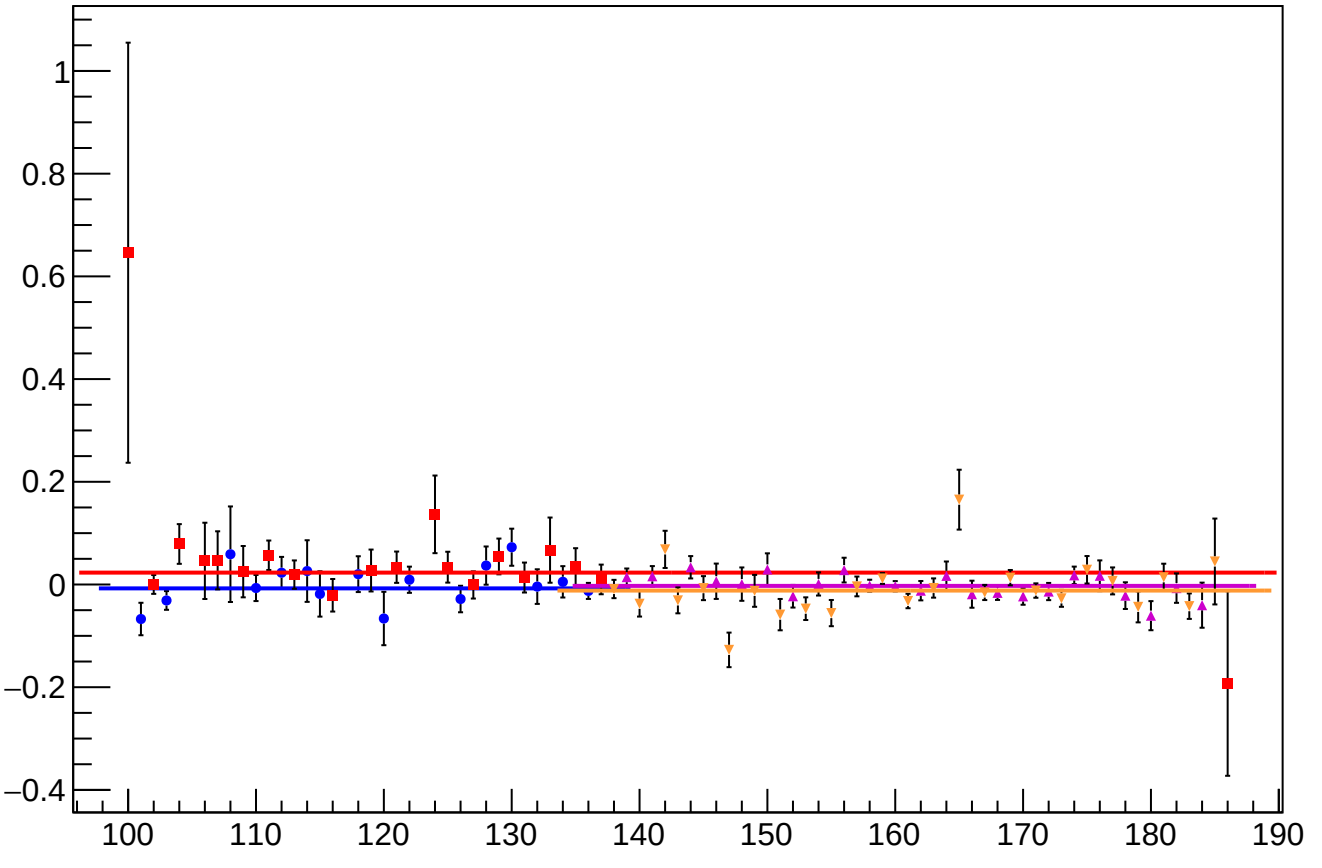
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 7515586.7/35

In: 0.001+/-0.000 χ^2/NDF:5363147.9/38

Out: 0.001+/-0.000 χ^2/NDF:8877109.5/44

All: 0.001+/-0.000 χ^2/NDF: 14266509.5/83



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

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

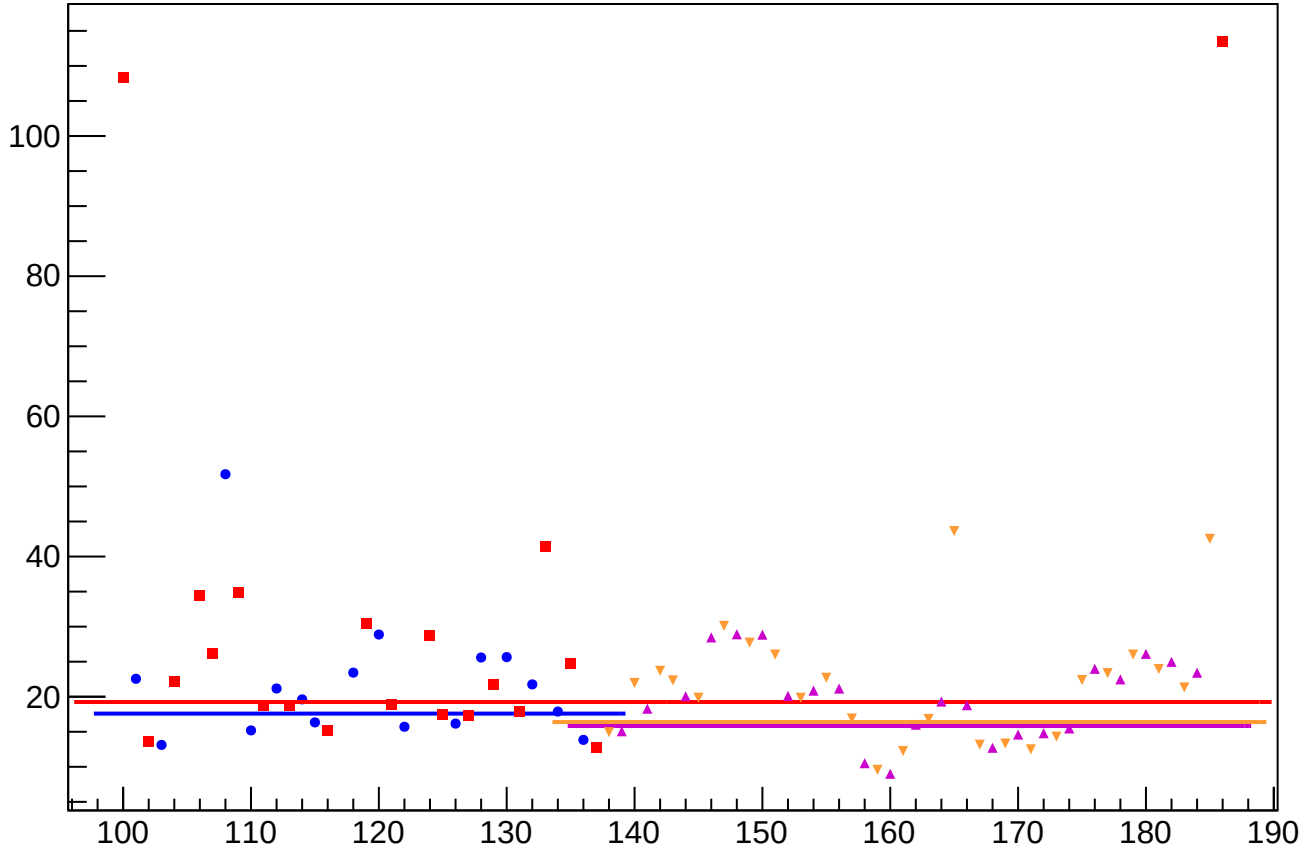
Right: 0.007+/-0.005 χ^2/NDF: 41.2/35

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 122.3/83

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 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

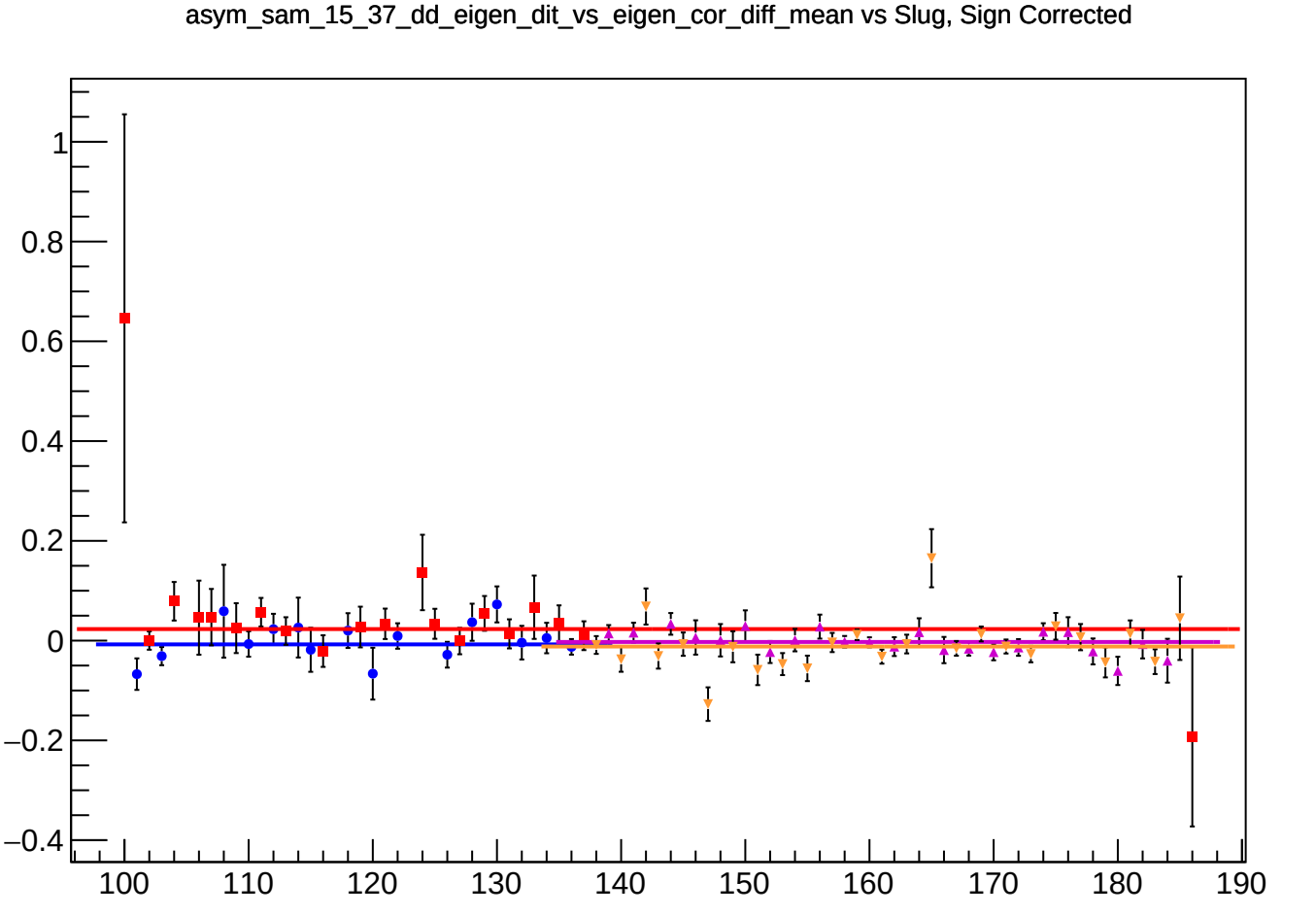
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 18.360+/-0.004 χ^2/NDF: 2840745.9/35

In: 16.247+/-0.002 χ^2/NDF:4739835.8/38

Out: 17.006+/-0.003 χ^2/NDF:6042802.9/44

All: 16.618+/-0.002 χ^2/NDF: 10828132.5/83



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

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

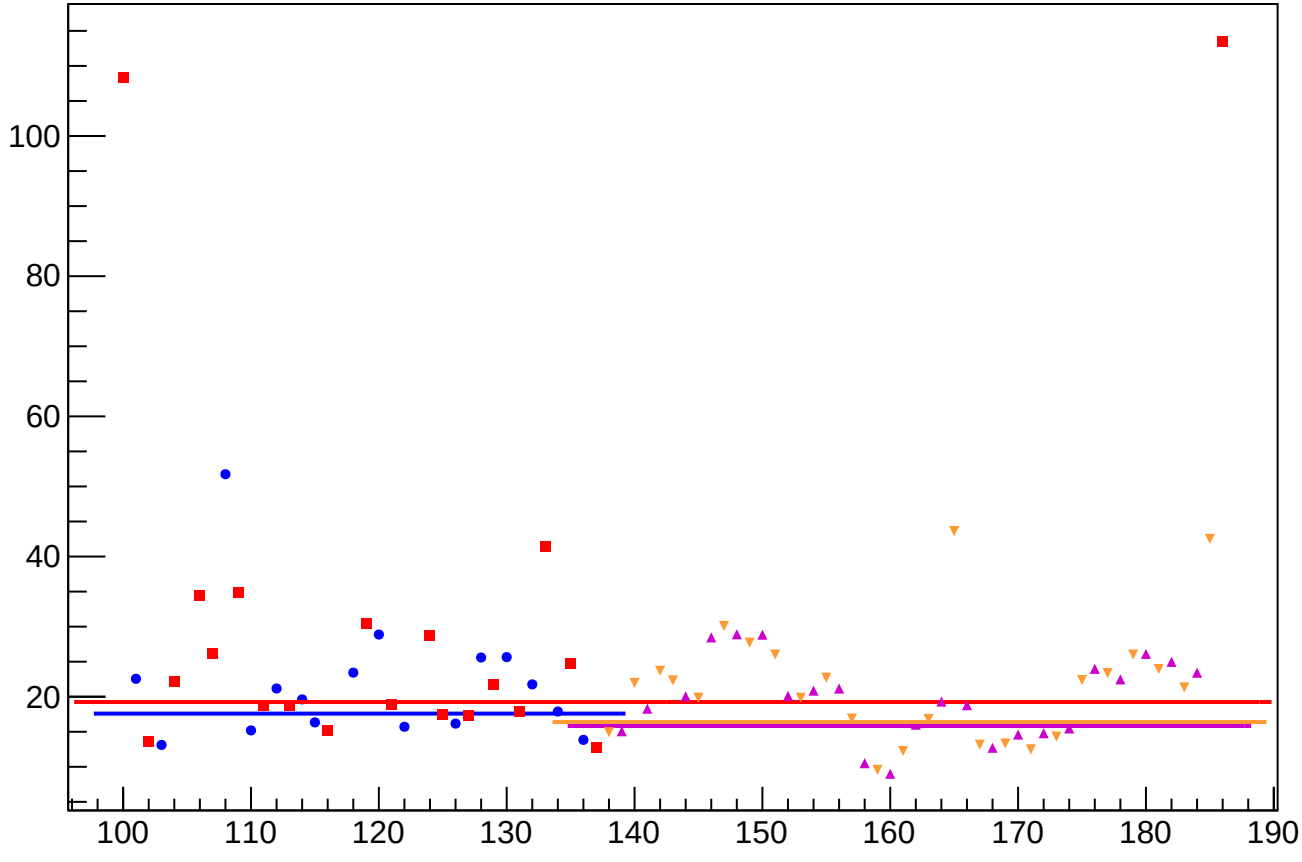
Right: 0.007+/-0.005 χ^2/NDF: 41.2/35

In: -0.004+/-0.004 χ^2/NDF:36.8/38

Out: -0.004+/-0.004 χ^2/NDF:85.5/44

All: -0.004+/-0.003 χ^2/NDF: 122.3/83

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 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

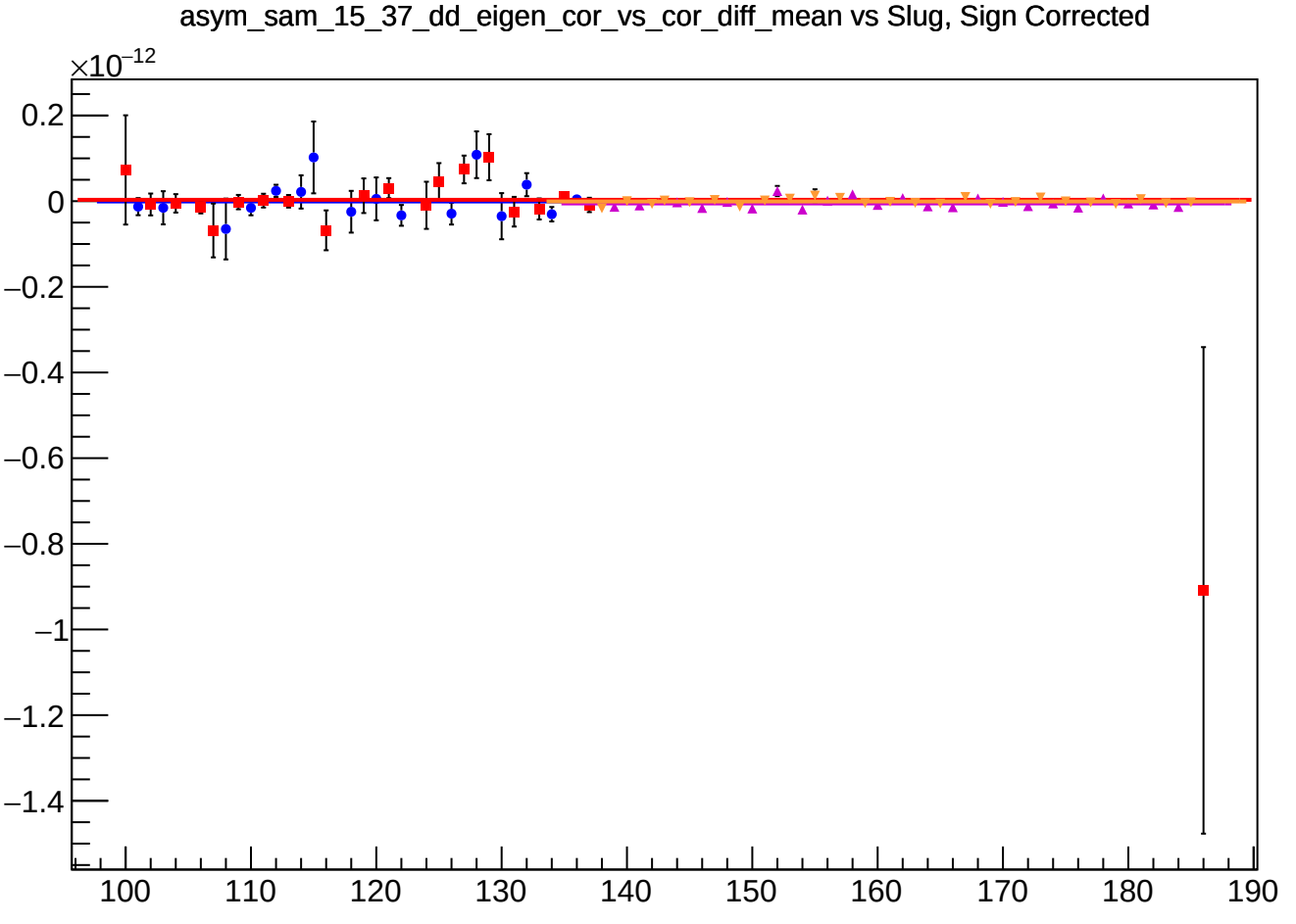
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 18.360+/-0.004 χ^2/NDF: 2840745.9/35

In: 16.247+/-0.002 χ^2/NDF:4739835.8/38

Out: 17.006+/-0.003 χ^2/NDF:6042802.9/44

All: 16.618+/-0.002 χ^2/NDF: 10828132.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

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

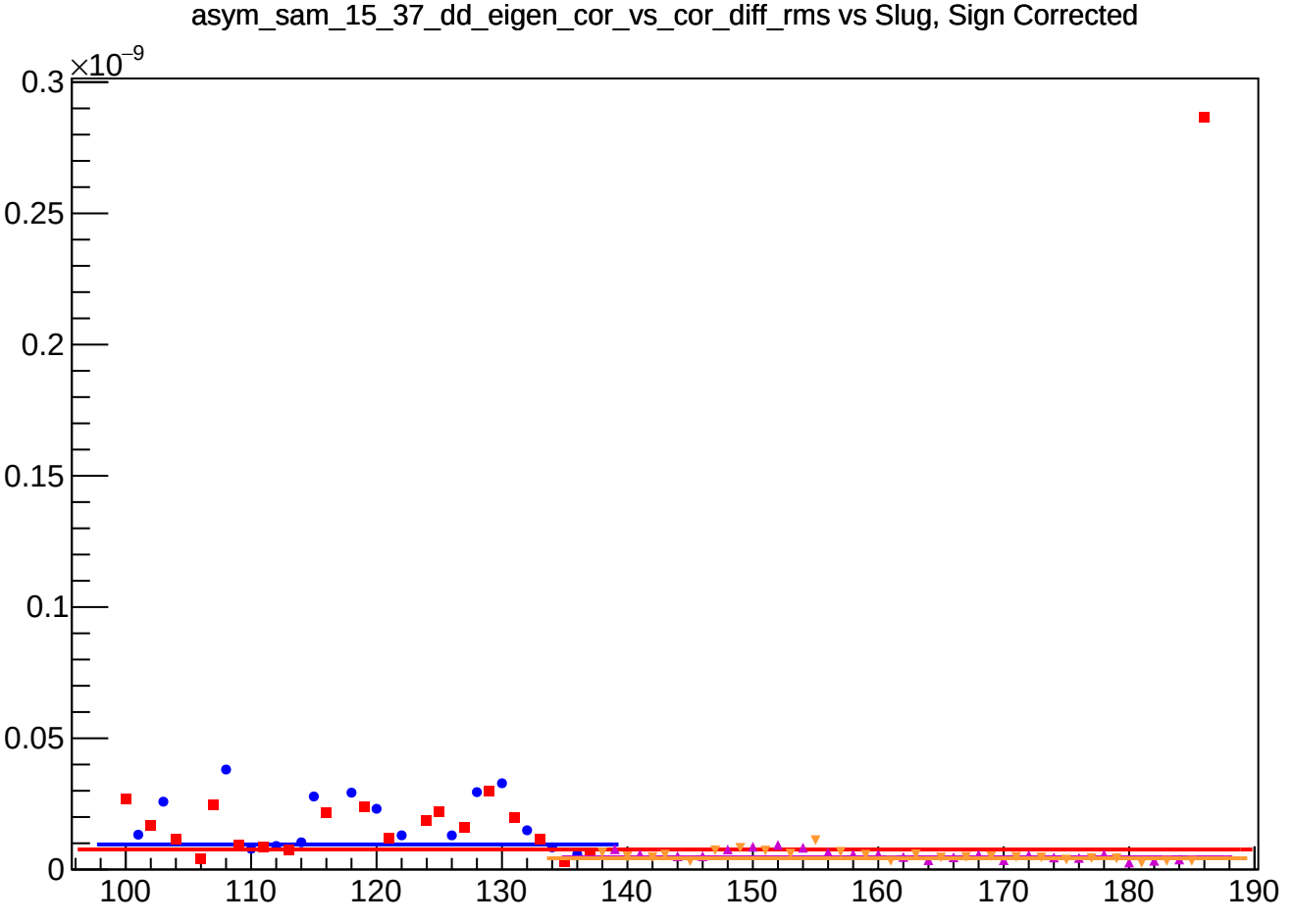
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 42.3/35

In: -0.000+/-0.000 χ^2/NDF:59.0/38

Out: -0.000+/-0.000 χ^2/NDF:41.6/44

All: -0.000+/-0.000 χ^2/NDF: 106.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3568999.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

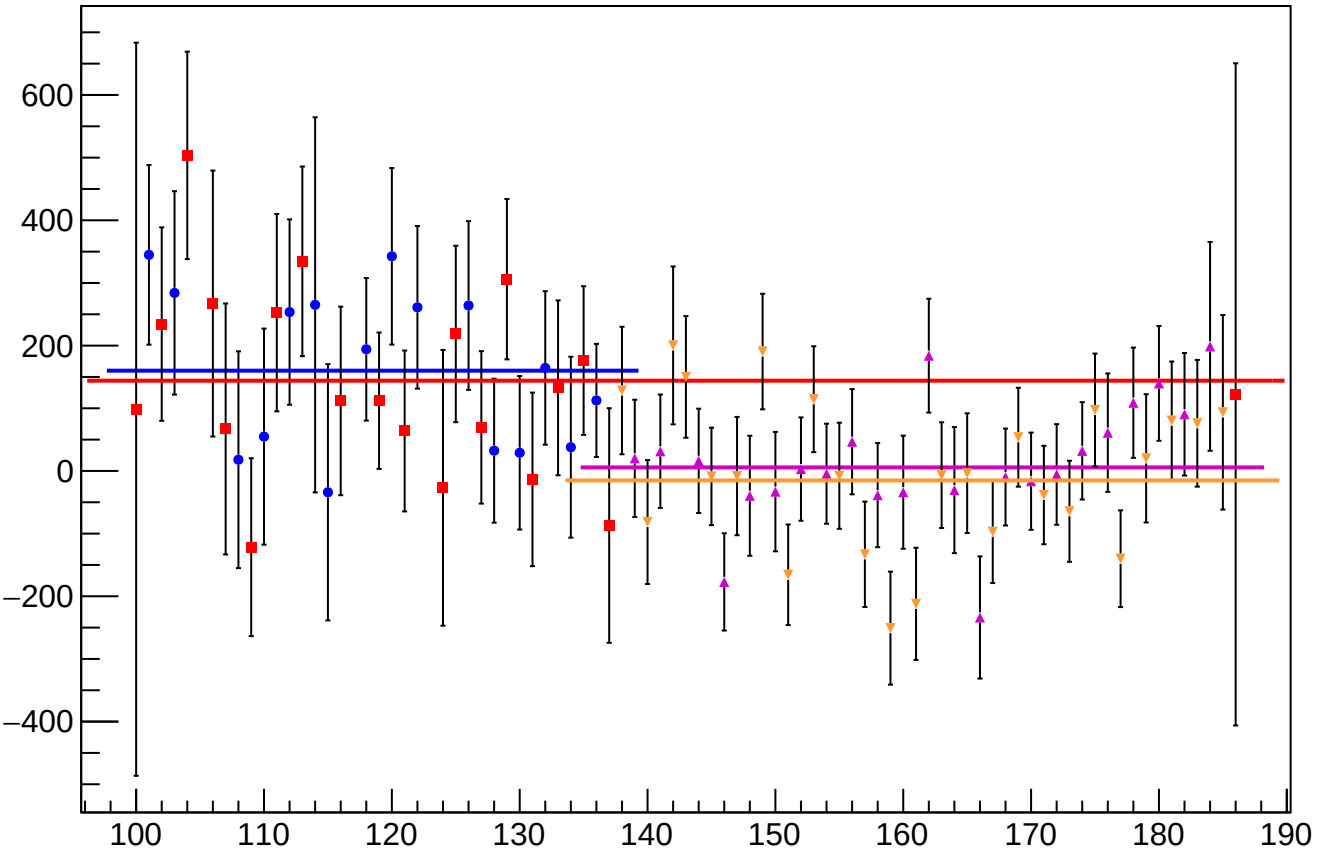
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 6359681.6/35

In: 0.000+/-0.000 χ^2/NDF:6872231.4/38

Out: 0.000+/-0.000 χ^2/NDF:7190546.4/44

All: 0.000+/-0.000 χ^2/NDF: 14194216.8/83



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

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

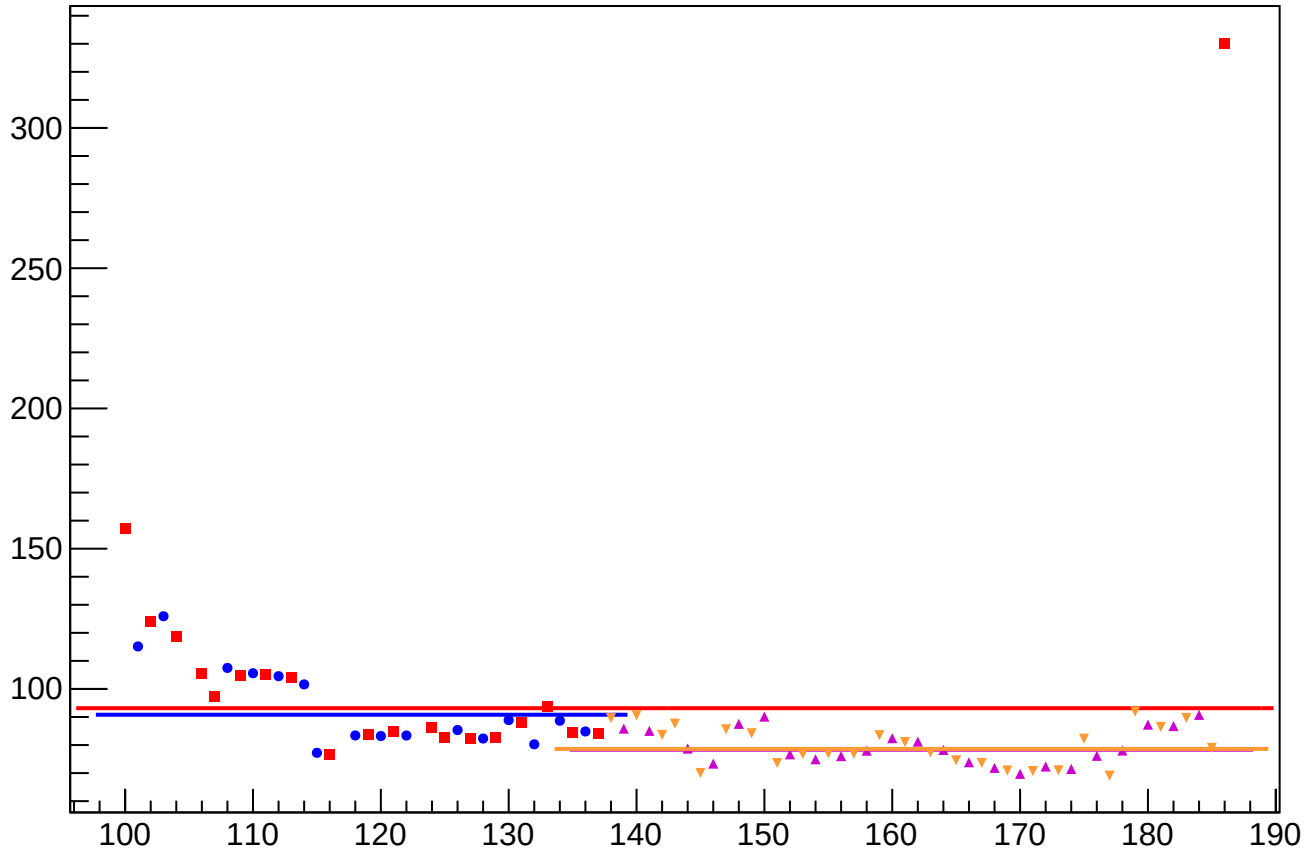
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 152.018+/-24.152 χ^2/NDF: 28.6/35

In: 40.282+/-16.188 χ^2/NDF:49.9/38

Out: 19.380+/-15.893 χ^2/NDF:76.1/44

All: 29.638+/-11.341 χ^2/NDF: 126.8/83



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

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

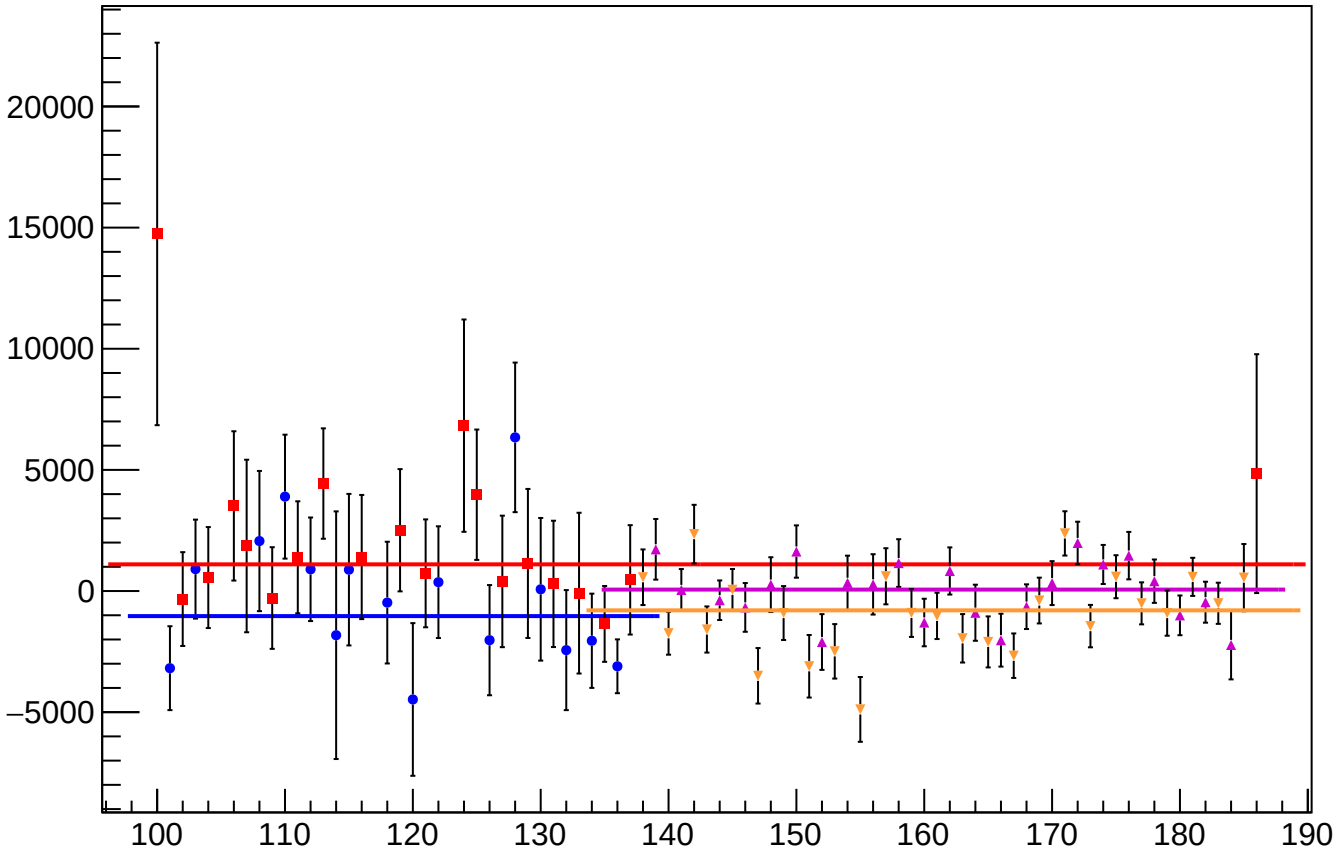
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 91.969+/-0.017 χ^2/NDF: 983166.9/35

In: 81.133+/-0.011 χ^2/NDF:688399.7/38

Out: 81.764+/-0.011 χ^2/NDF:1296188.1/44

All: 81.454+/-0.008 χ^2/NDF: 1986135.7/83



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

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

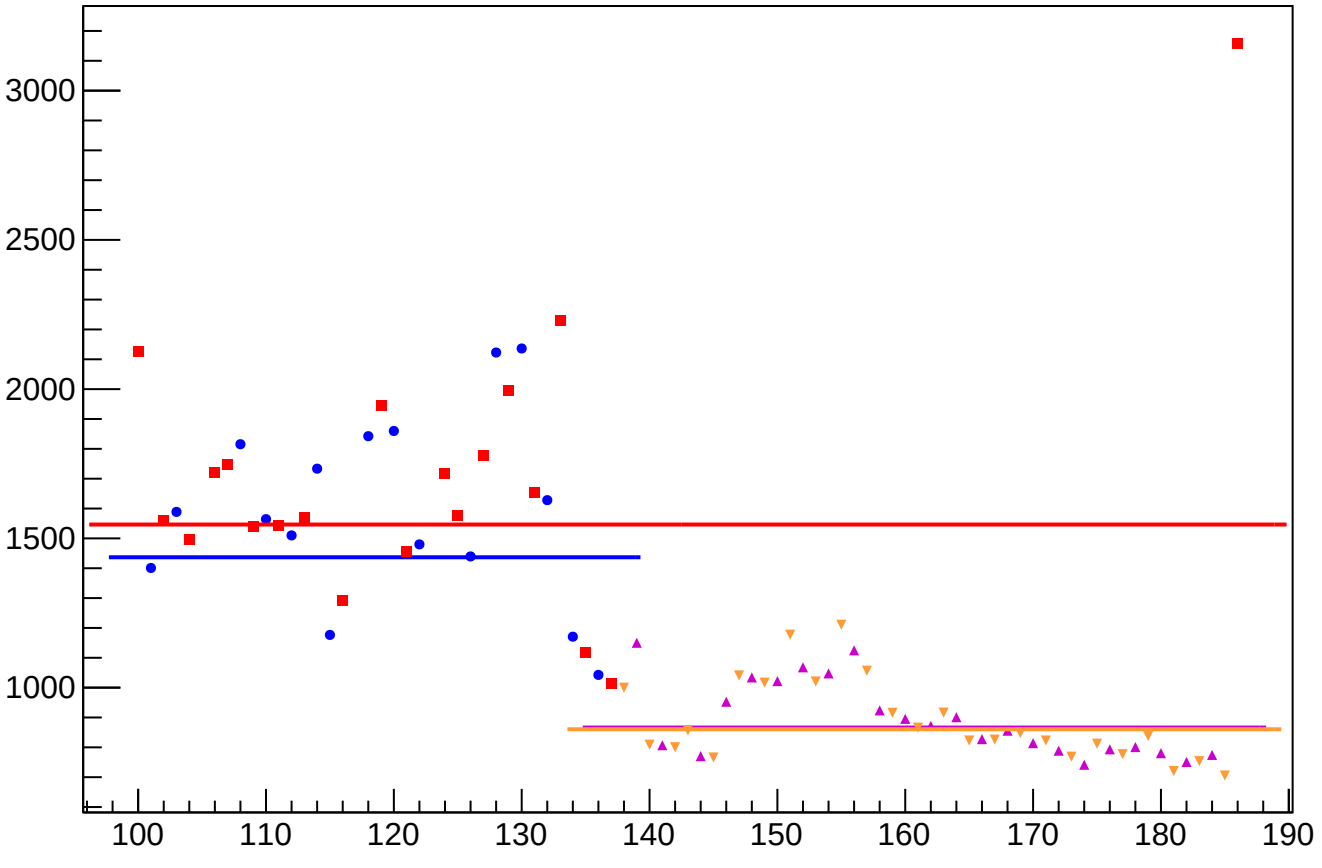
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 4.507+/-394.243 χ^2/NDF: 41.1/35

In: -73.284+/-191.636 χ^2/NDF:54.2/38

Out: -589.694+/-186.767 χ^2/NDF:83.0/44

All: -338.132+/-133.752 χ^2/NDF: 140.9/83



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

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

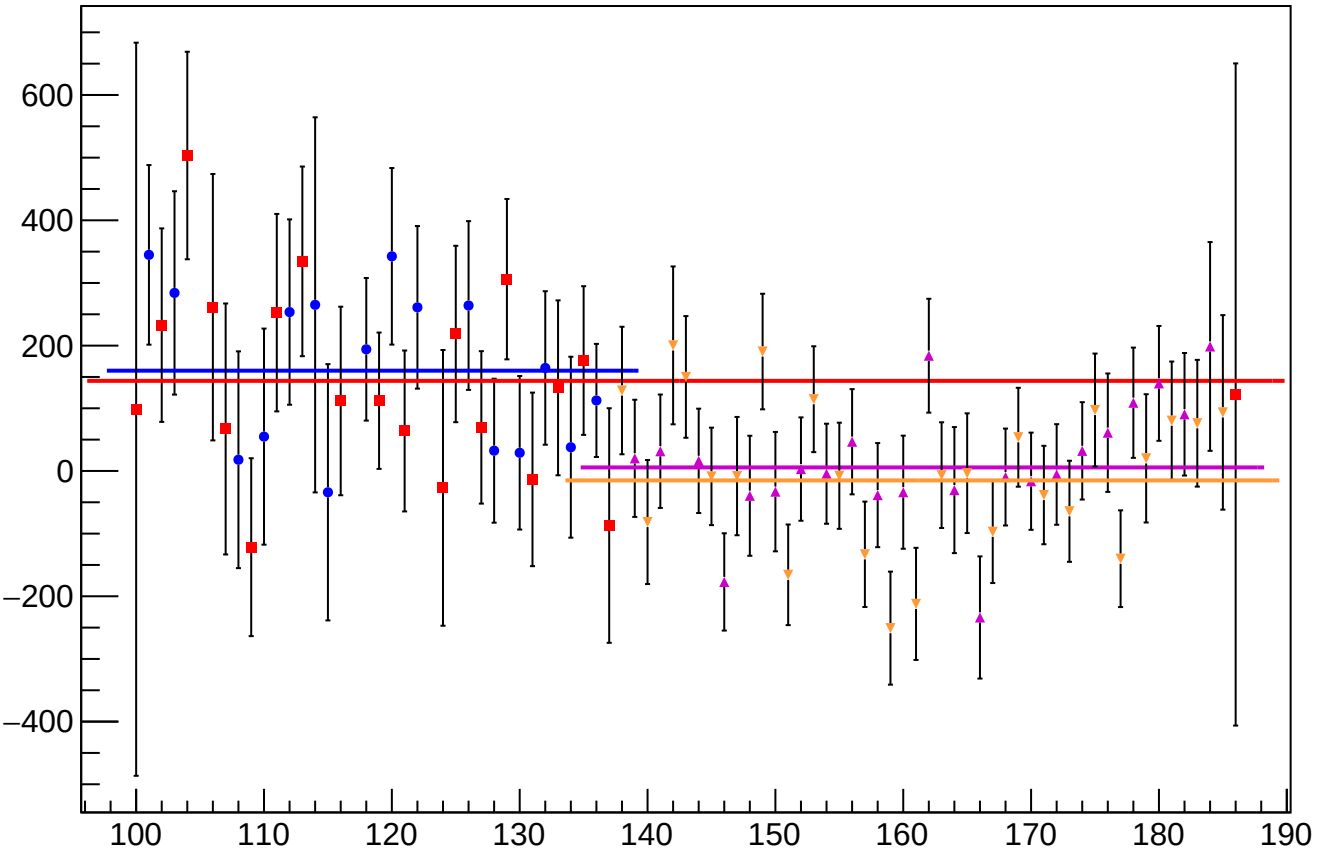
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1490.103+/-0.279 χ^2/NDF: 1435368.9/35

In: 935.545+/-0.136 χ^2/NDF:3177554.5/38

Out: 935.395+/-0.132 χ^2/NDF:4044415.7/44

All: 935.468+/-0.095 χ^2/NDF: 7221970.8/83



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

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

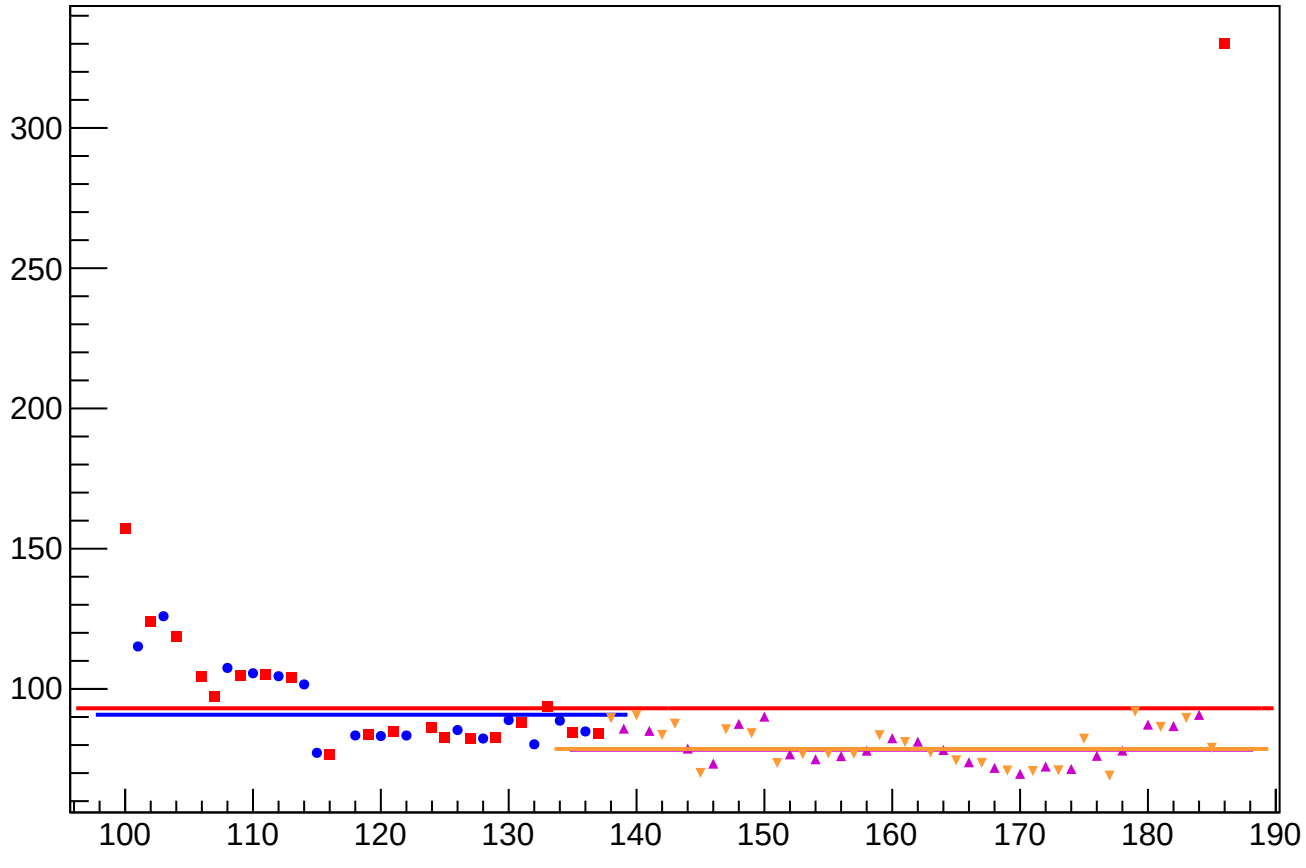
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 151.889+/-24.153 χ^2/NDF: 28.5/35

In: 40.278+/-16.188 χ^2/NDF:49.9/38

Out: 19.323+/-15.893 χ^2/NDF:76.0/44

All: 29.608+/-11.341 χ^2/NDF: 126.7/83



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

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

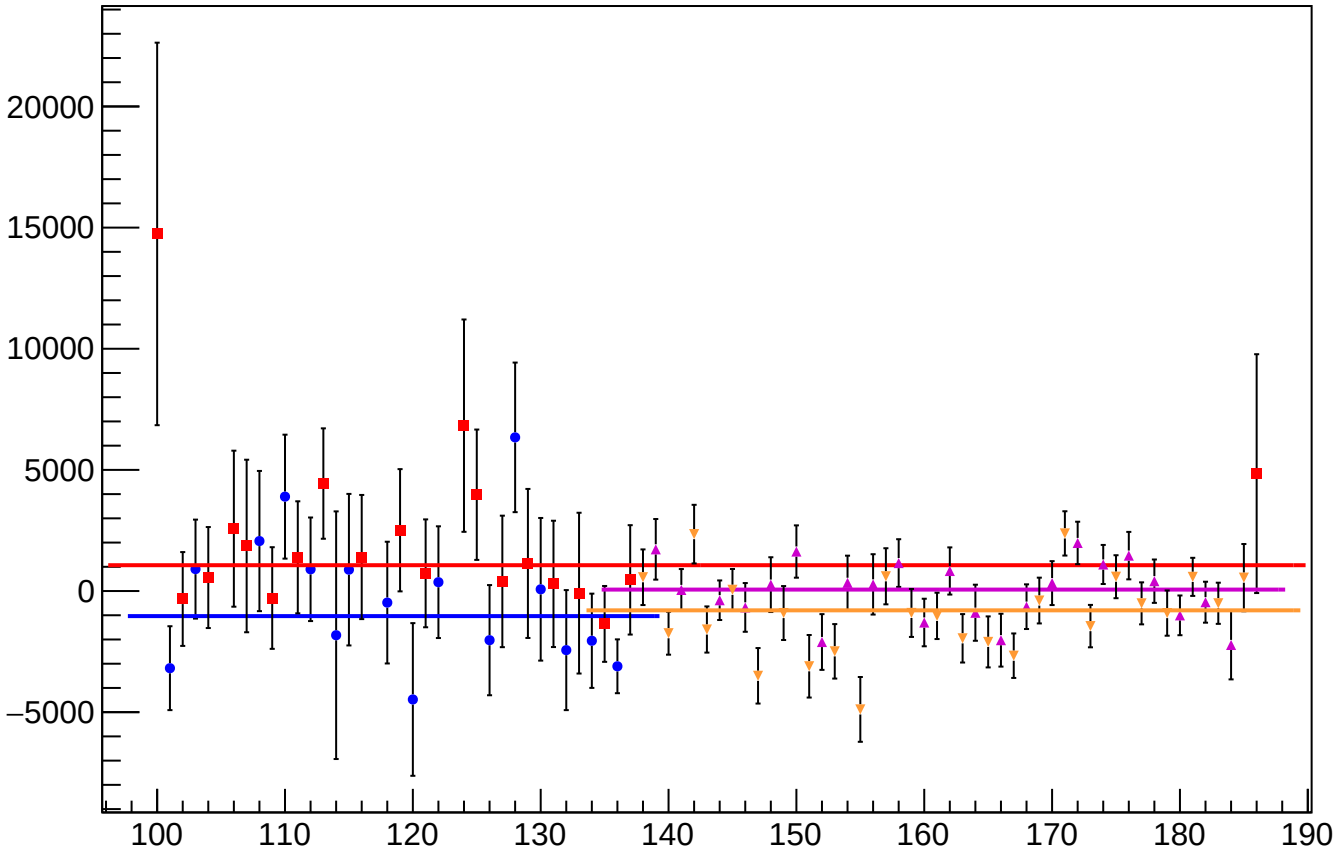
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 91.953+/-0.017 χ^2/NDF: 981885.7/35

In: 81.133+/-0.011 χ^2/NDF:688401.7/38

Out: 81.756+/-0.011 χ^2/NDF:1293729.1/44

All: 81.450+/-0.008 χ^2/NDF: 1983642.5/83



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

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

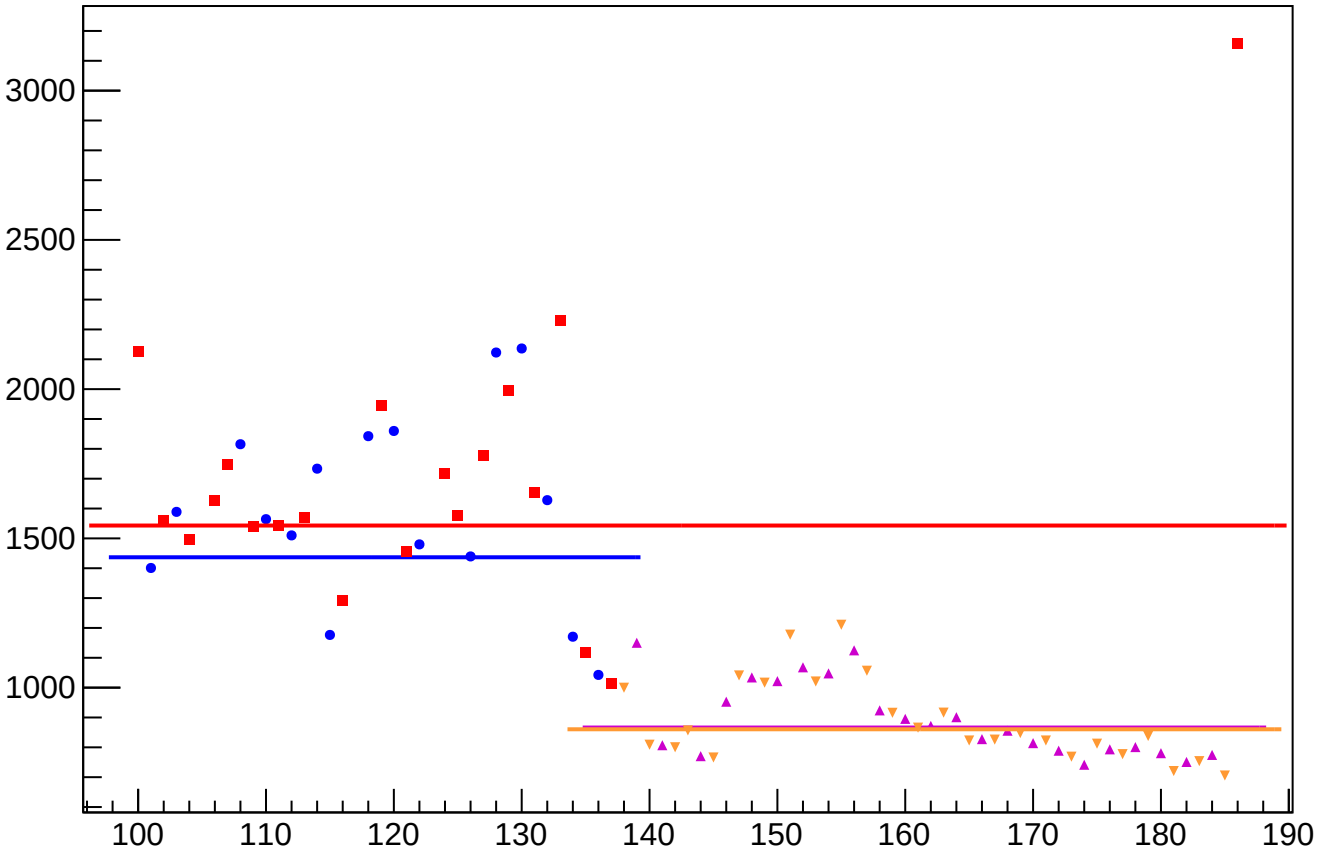
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -14.280+/-394.522 χ^2/NDF: 40.4/35

In: -73.281+/-191.636 χ^2/NDF:54.2/38

Out: -594.097+/-186.797 χ^2/NDF:82.2/44

All: -340.348+/-133.763 χ^2/NDF: 140.2/83



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

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

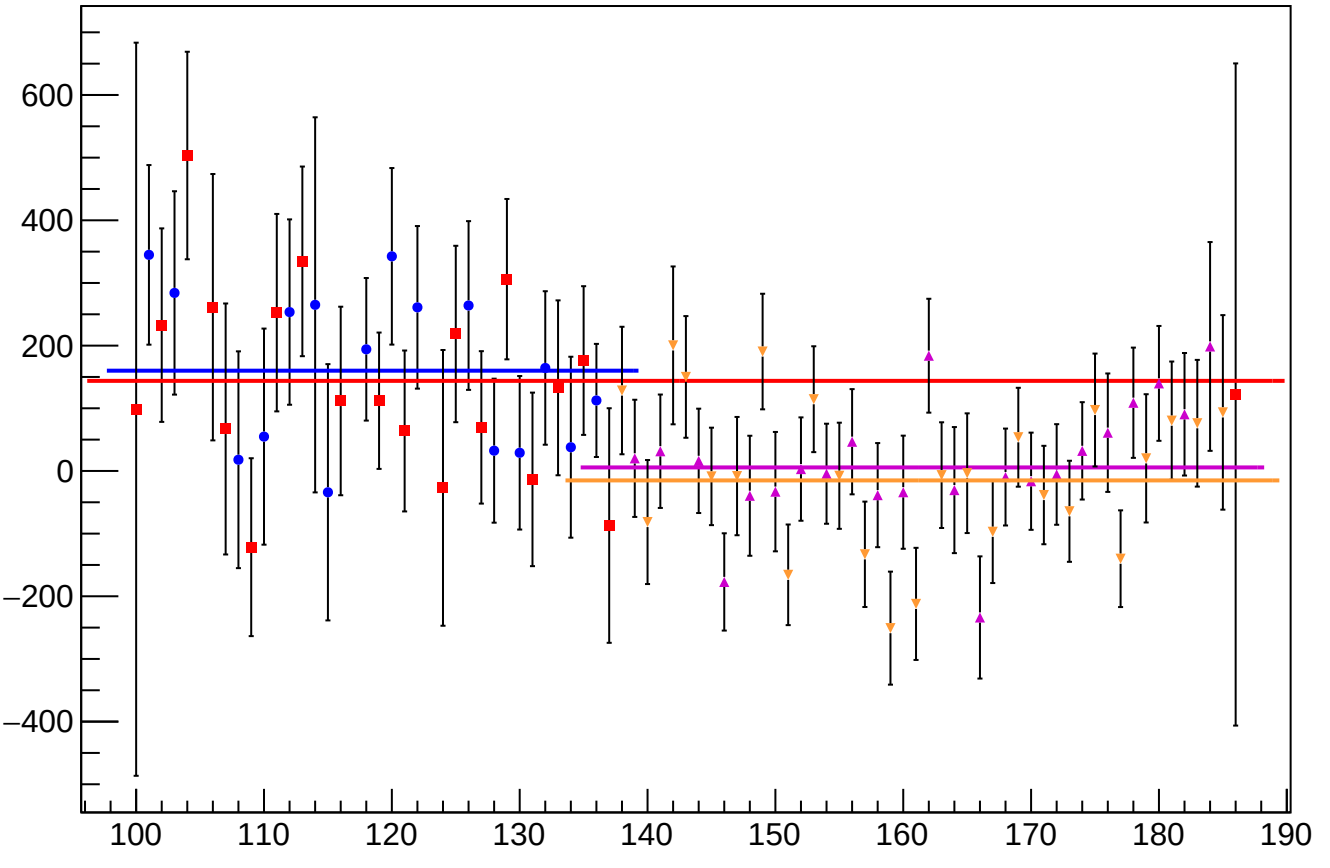
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1488.398+/-0.279 χ^2/NDF: 1427702.5/35

In: 935.546+/-0.136 χ^2/NDF:3177573.0/38

Out: 934.837+/-0.132 χ^2/NDF:4006828.9/44

All: 935.182+/-0.095 χ^2/NDF: 7184415.9/83



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

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

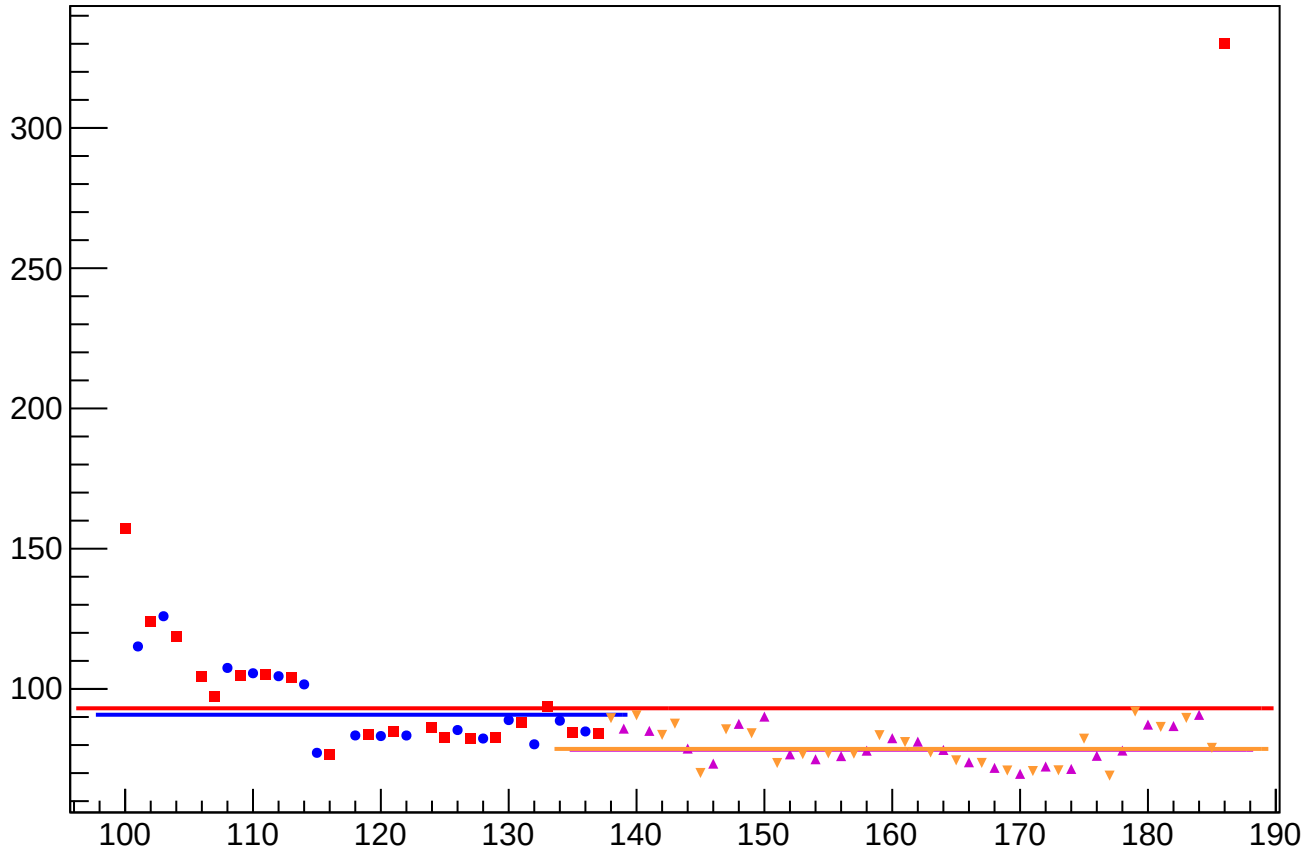
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 151.889+/-24.153 χ^2/NDF: 28.5/35

In: 40.278+/-16.188 χ^2/NDF:49.9/38

Out: 19.323+/-15.893 χ^2/NDF:76.0/44

All: 29.608+/-11.341 χ^2/NDF: 126.7/83



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

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

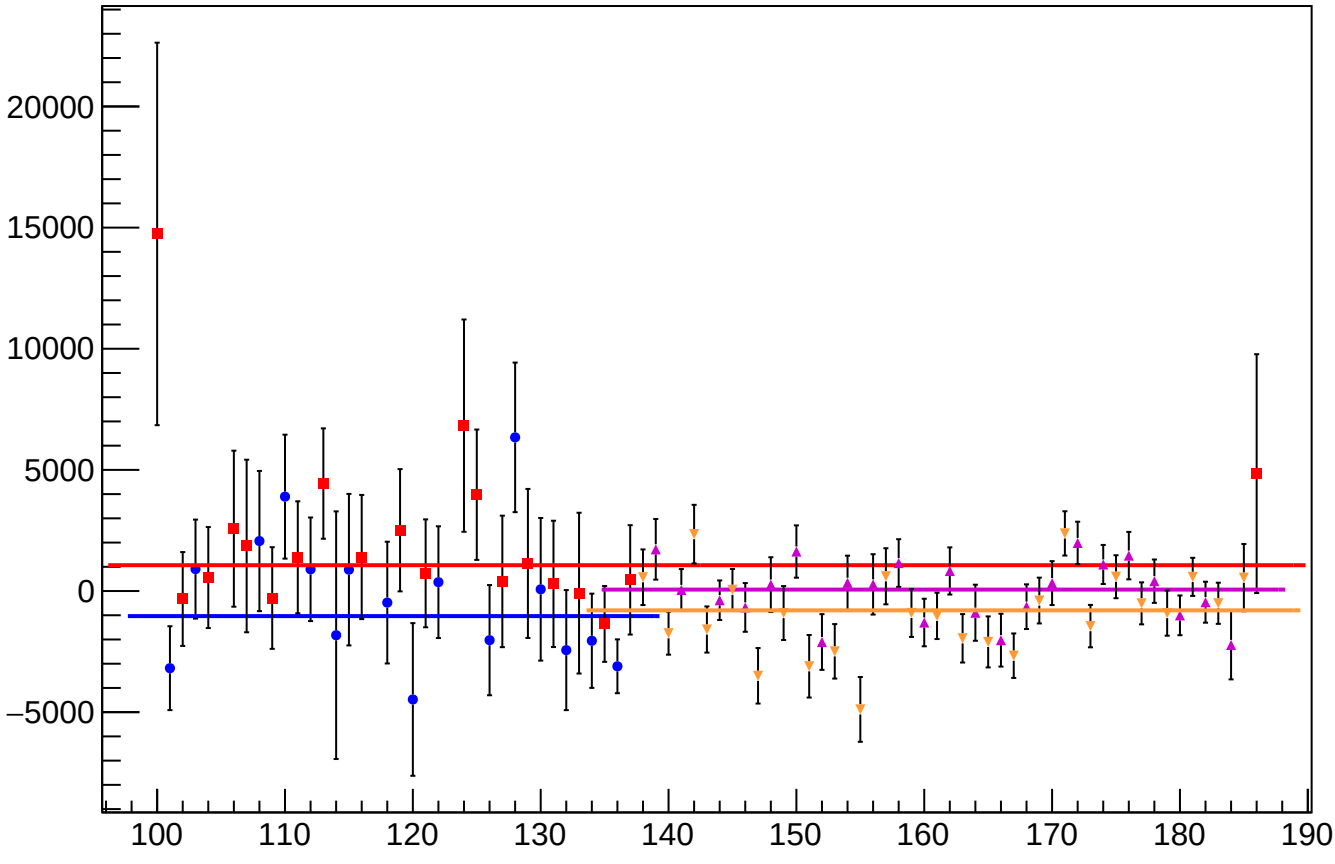
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 91.953+/-0.017 χ^2/NDF: 981885.7/35

In: 81.133+/-0.011 χ^2/NDF:688401.7/38

Out: 81.756+/-0.011 χ^2/NDF:1293729.1/44

All: 81.450+/-0.008 χ^2/NDF: 1983642.5/83



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

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

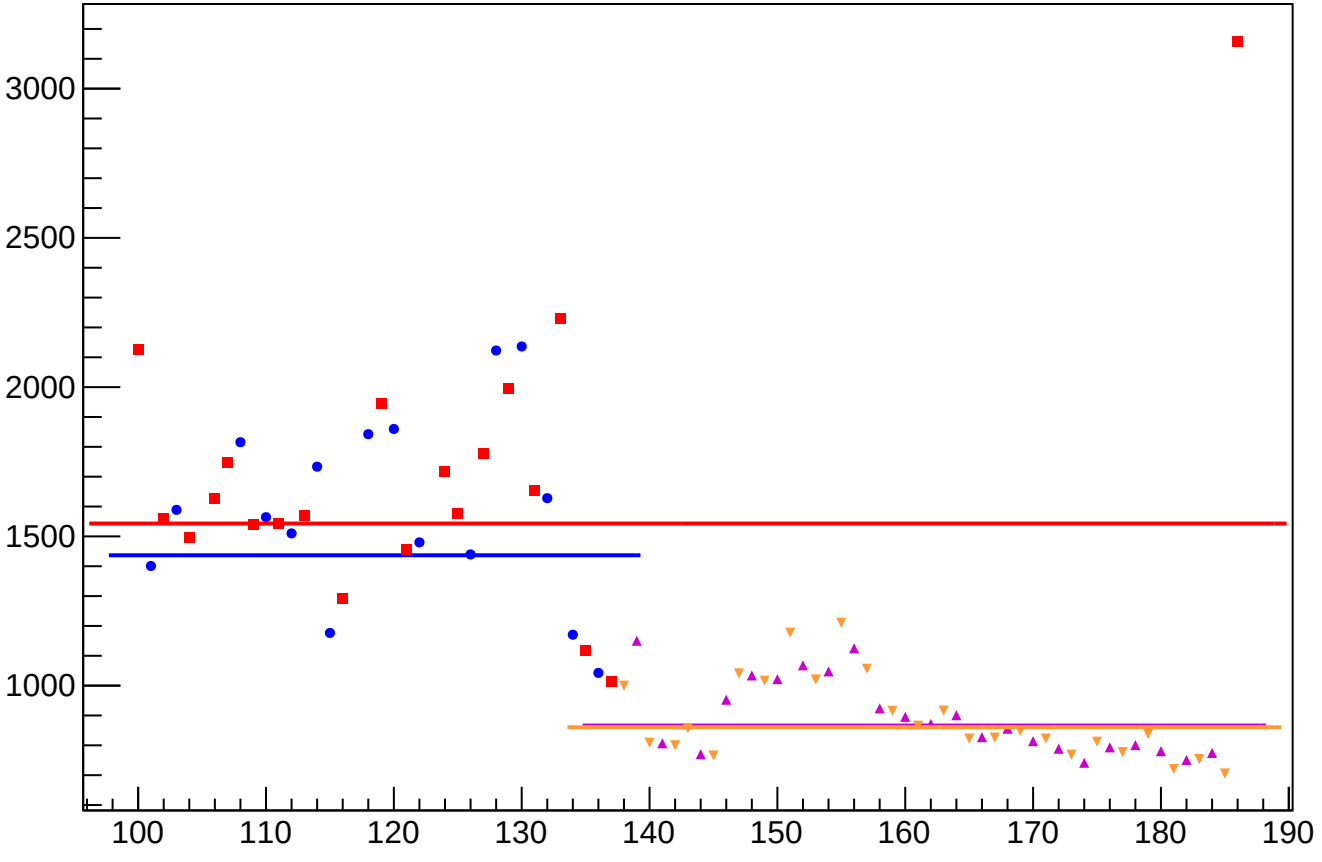
Right: -14.280+/-394.522 χ^2/NDF: 40.4/35

In: -73.281+/-191.636 χ^2/NDF:54.2/38

Out: -594.097+/-186.797 χ^2/NDF:82.2/44

All: -340.348+/-133.763 χ^2/NDF: 140.2/83

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

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

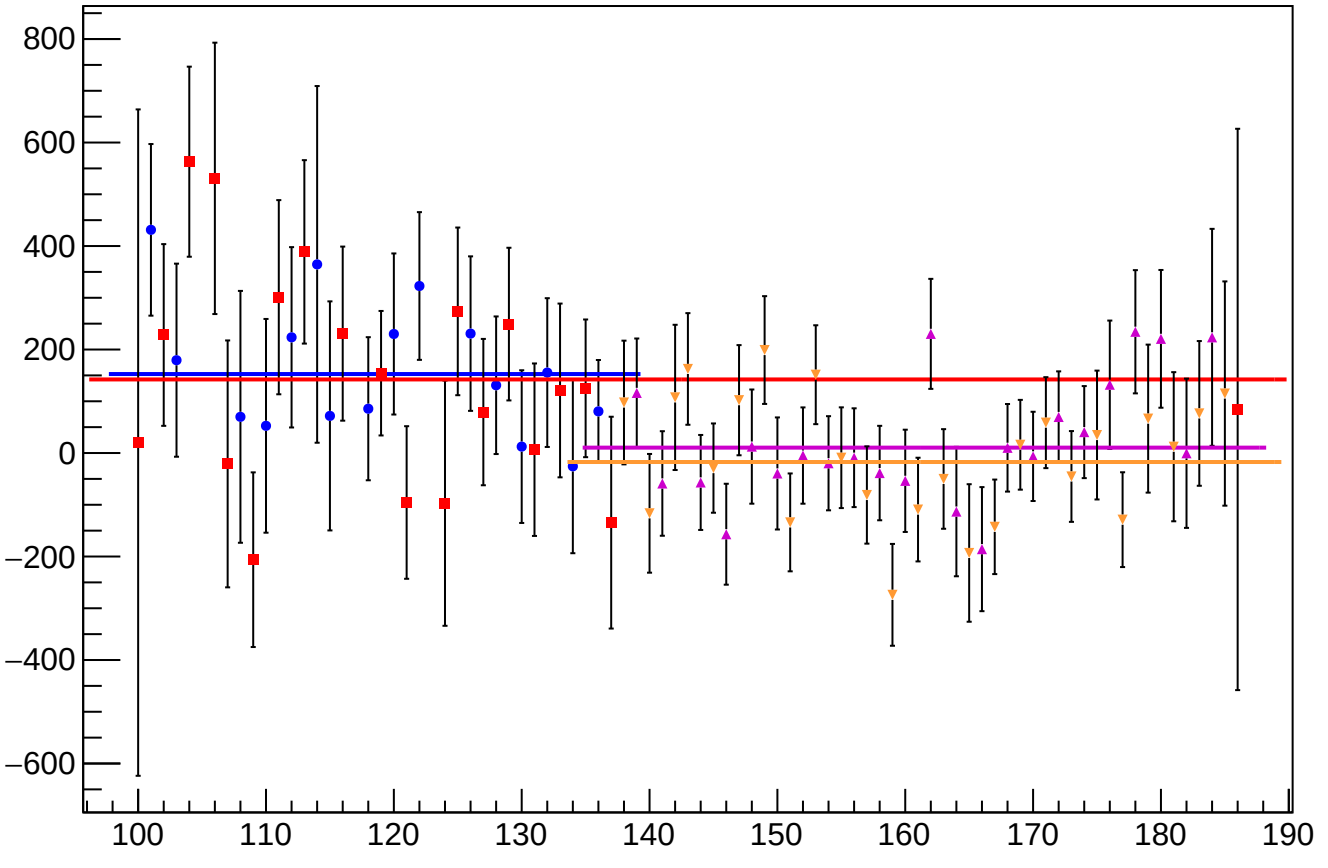
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1488.398+/-0.279 χ^2/NDF: 1427702.5/35

In: 935.546+/-0.136 χ^2/NDF:3177573.0/38

Out: 934.837+/-0.132 χ^2/NDF:4006828.9/44

All: 935.182+/-0.095 χ^2/NDF: 7184415.9/83


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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−200
−400
−600
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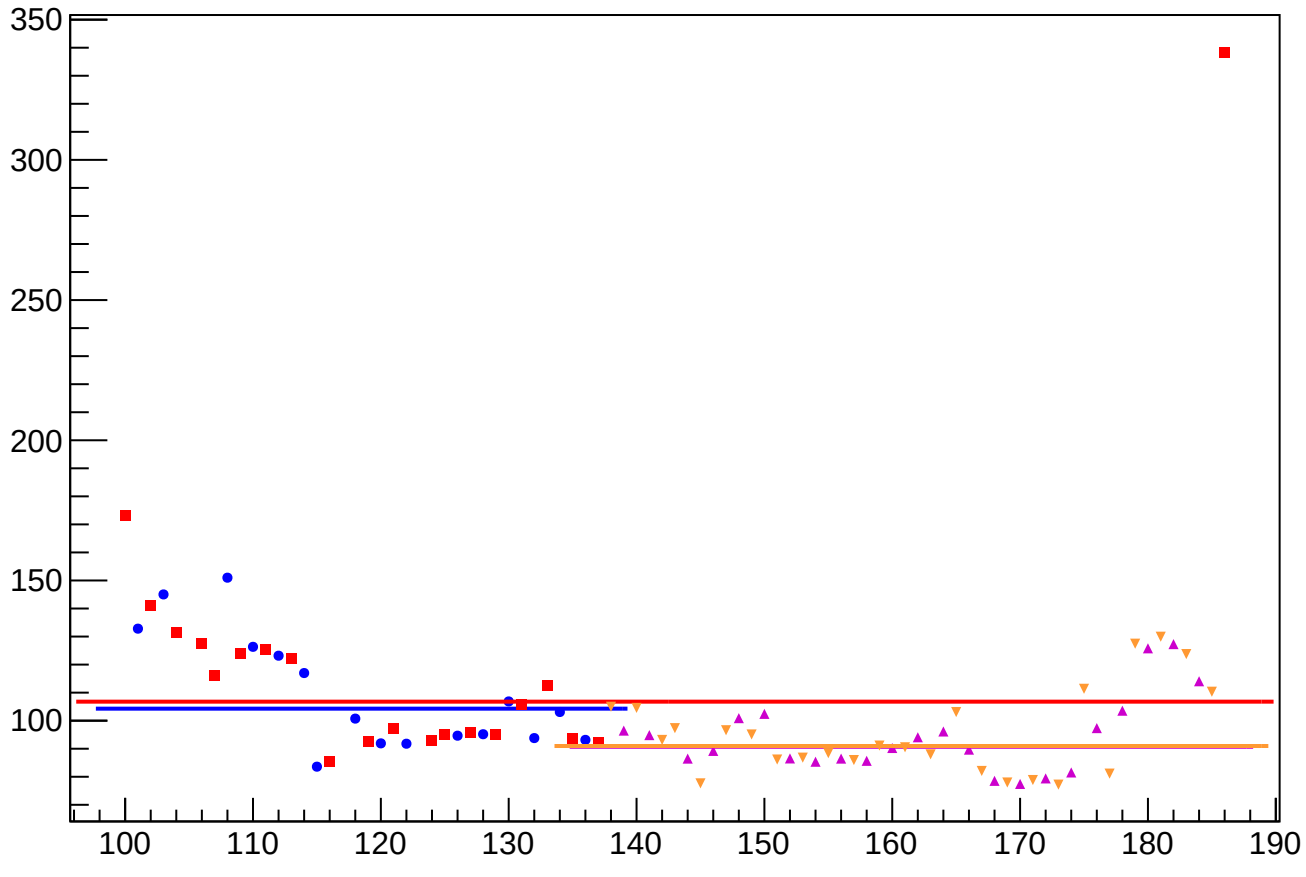
110
120
130
140
150
160
170
180
190
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 142.191+/-39.237 χ²/NDF: 22.9/19
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 147.381+/-27.819 χ²/NDF: 31.6/35
In: 42.991+/-18.880 χ²/NDF:41.3/38
Out: 18.134+/-18.506 χ²/NDF:67.0/44
All: 30.314+/-13.216 χ²/NDF: 109.2/83



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

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

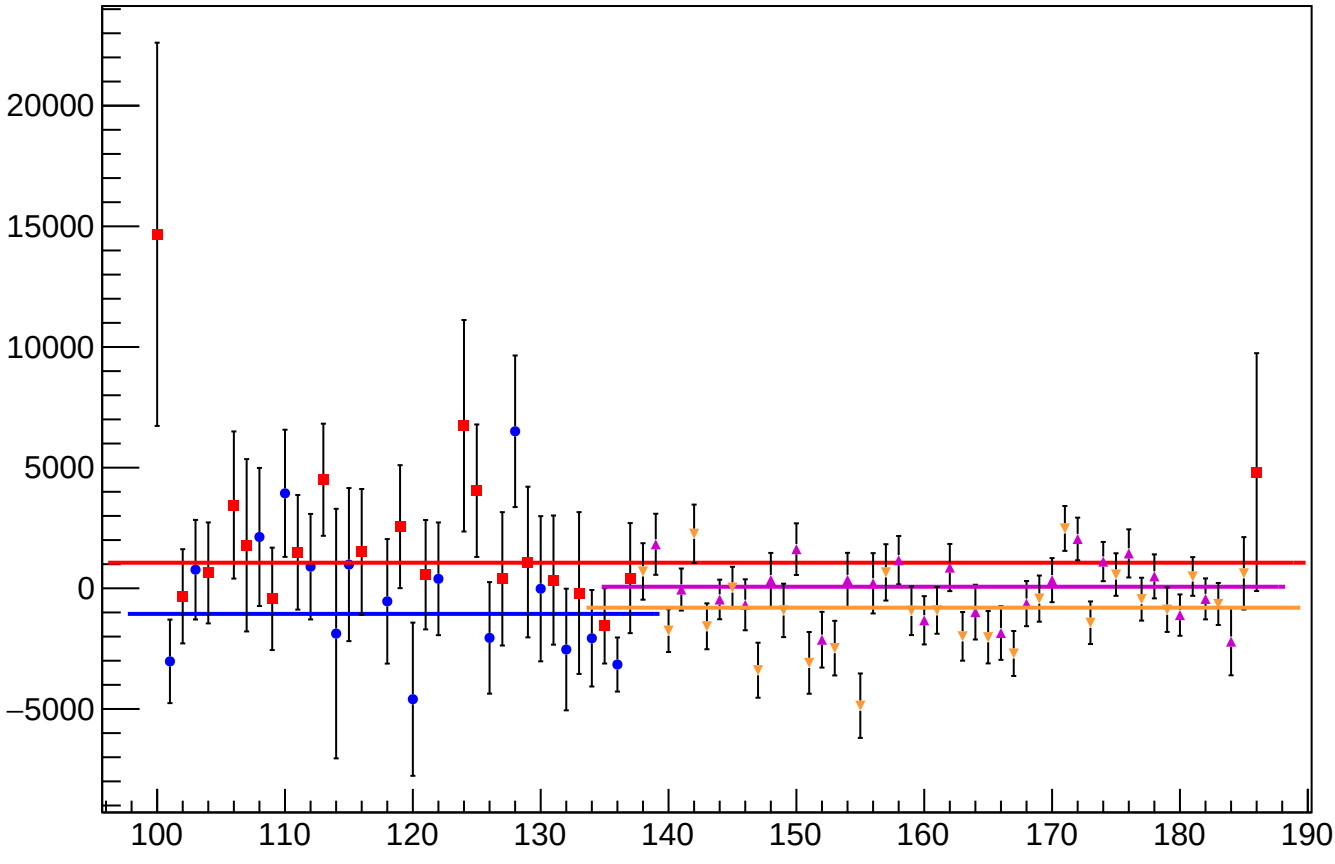
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 105.543+/-0.020 χ^2/NDF: 1092960.6/35

In: 93.805+/-0.013 χ^2/NDF:1107449.3/38

Out: 94.486+/-0.013 χ^2/NDF:1747898.0/44

All: 94.152+/-0.009 χ^2/NDF: 2856673.9/83



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

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

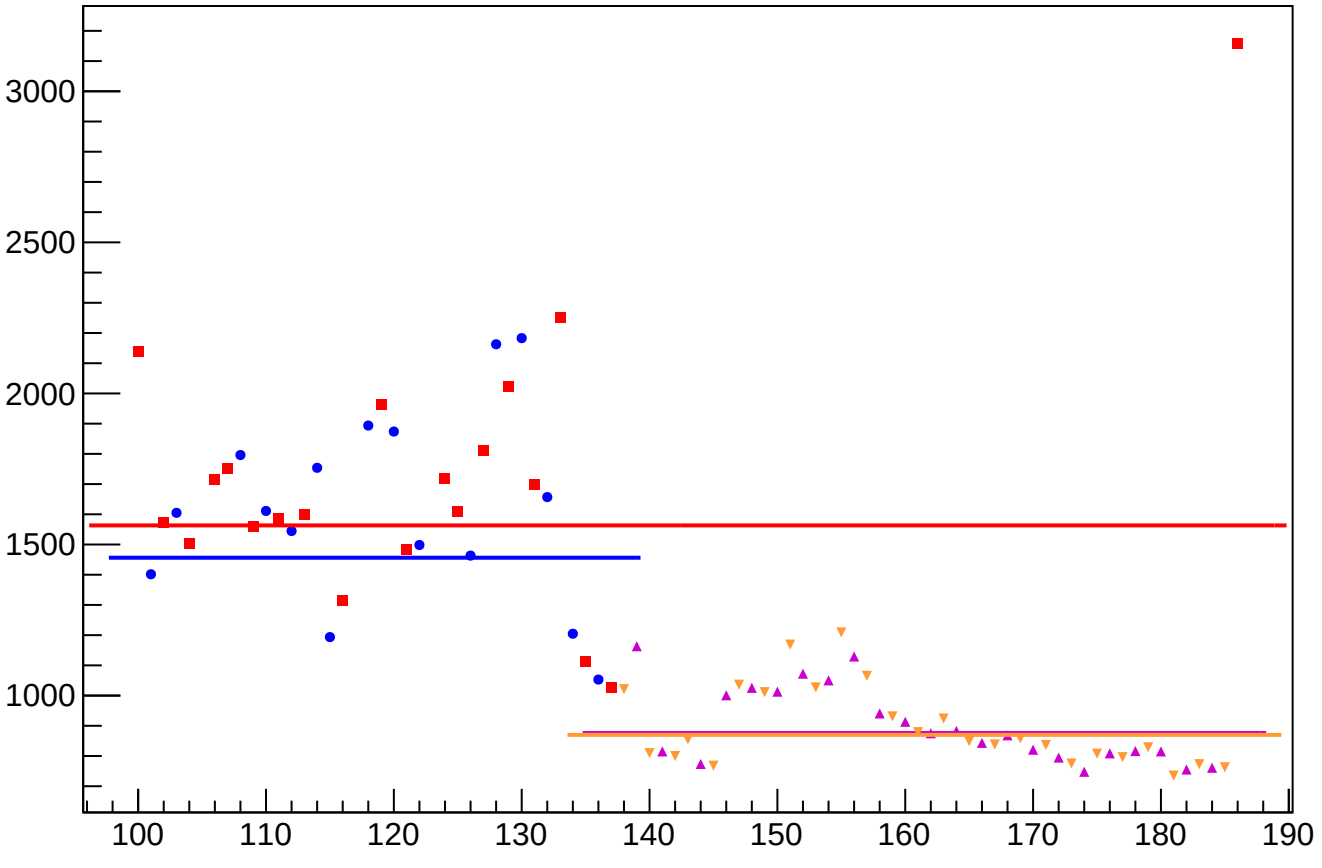
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -24.659+/-399.029 χ^2/NDF: 41.0/35

In: -70.600+/-193.795 χ^2/NDF:54.3/38

Out: -599.298+/-188.639 χ^2/NDF:81.7/44

All: -342.076+/-135.174 χ^2/NDF: 139.8/83



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

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

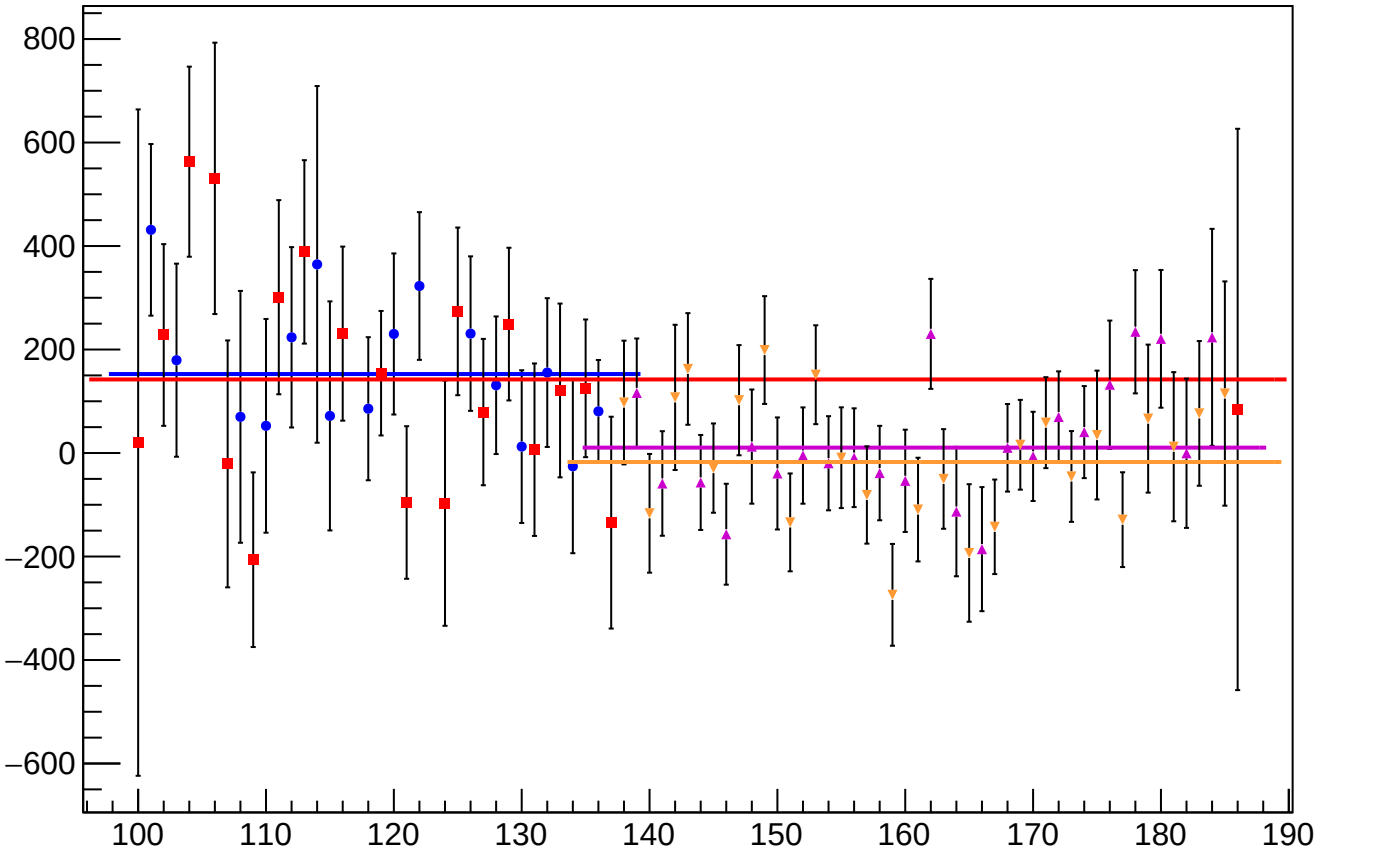
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1508.482+/-0.282 χ^2/NDF: 1452177.1/35

In: 946.325+/-0.137 χ^2/NDF:3184471.9/38

Out: 945.609+/-0.133 χ^2/NDF:4003075.6/44

All: 945.958+/-0.096 χ^2/NDF: 7187561.5/83


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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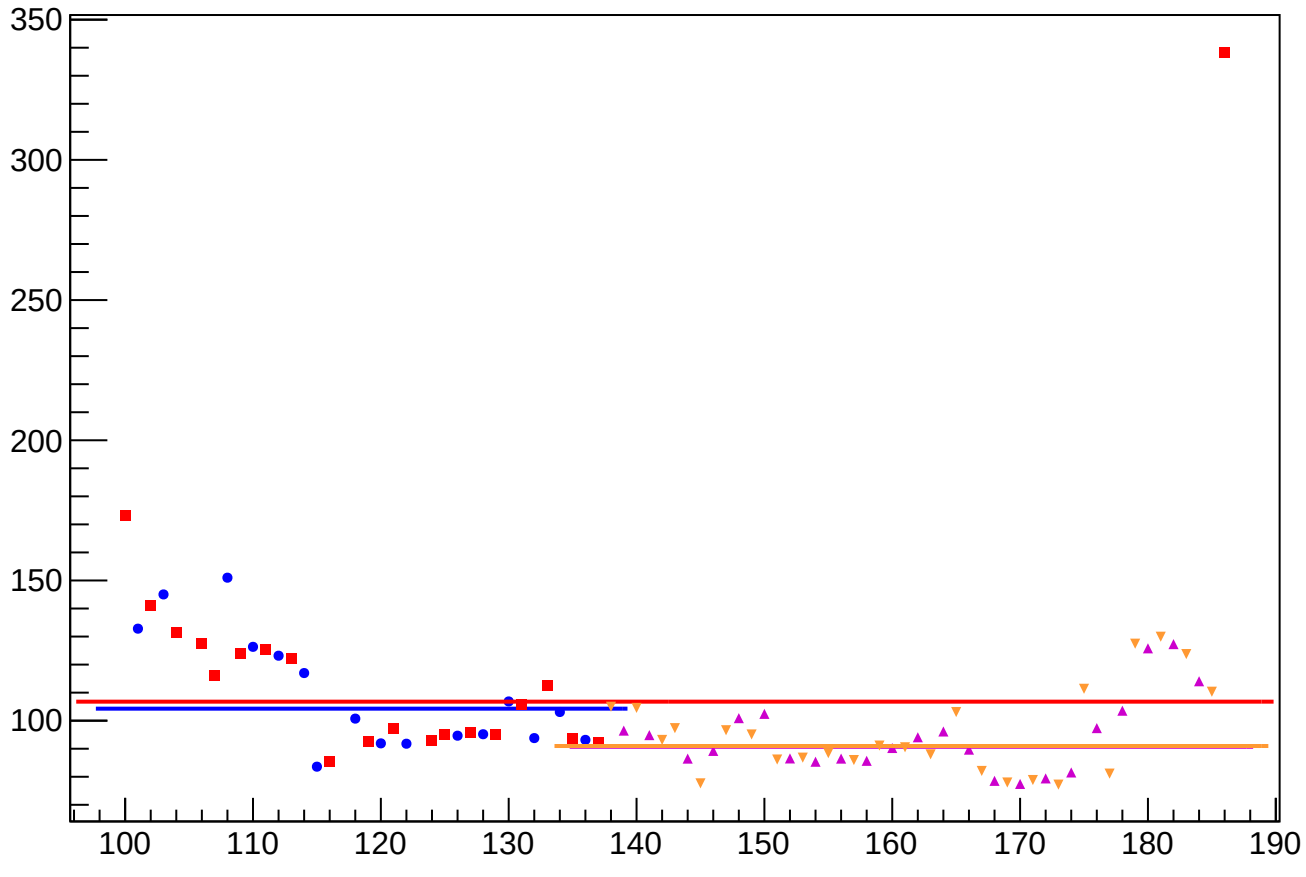
180
190
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 142.189+/-39.237 χ²/NDF: 22.9/19
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 147.381+/-27.818 χ²/NDF: 31.6/35
In: 42.992+/-18.880 χ²/NDF:41.3/38
Out: 18.134+/-18.506 χ²/NDF:67.0/44
All: 30.314+/-13.216 χ²/NDF: 109.2/83



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

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

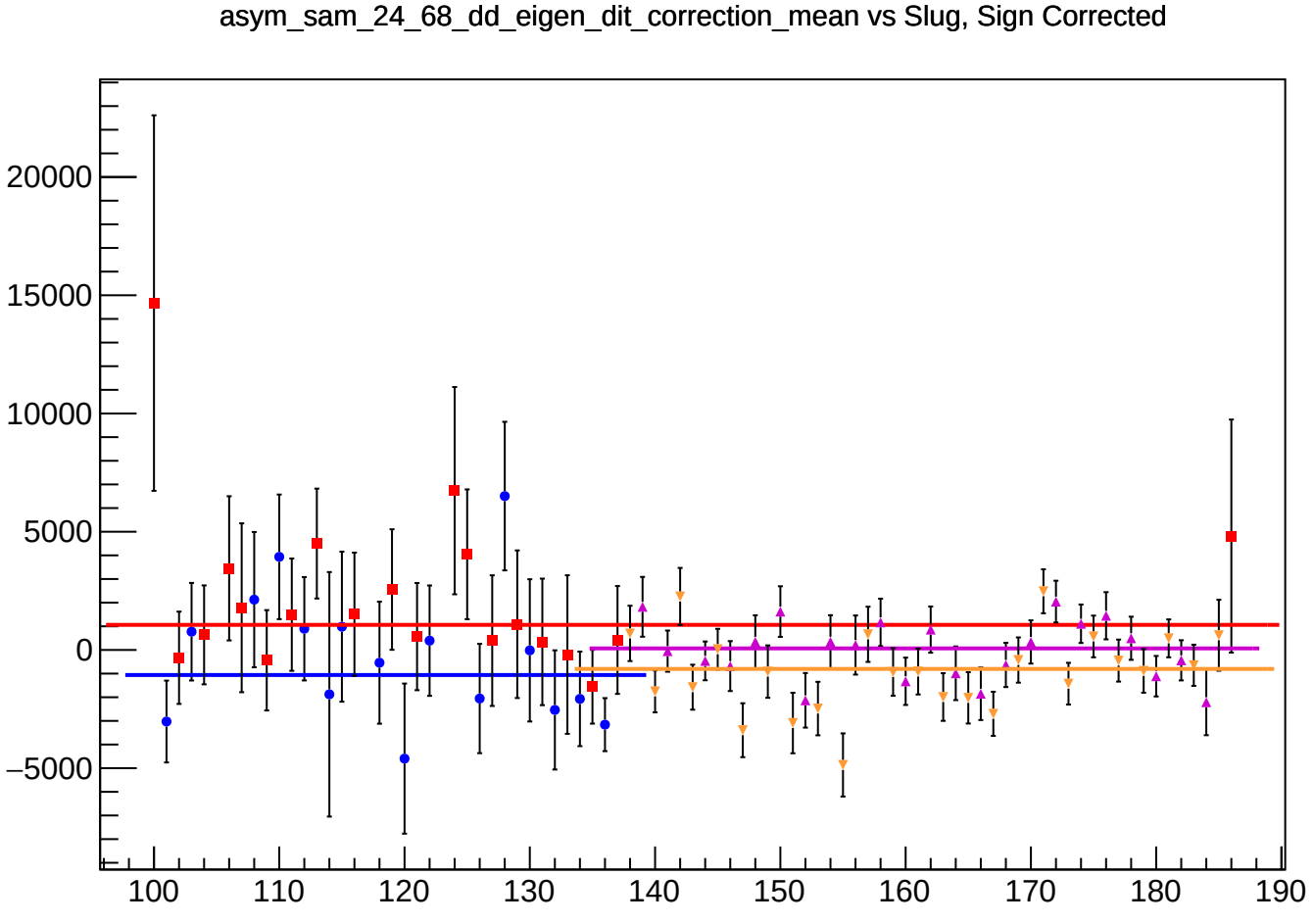
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 105.542+/-0.020 χ^2/NDF: 1092965.6/35

In: 93.805+/-0.013 χ^2/NDF:1107419.4/38

Out: 94.486+/-0.013 χ^2/NDF:1747882.0/44

All: 94.152+/-0.009 χ^2/NDF: 2856628.7/83


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
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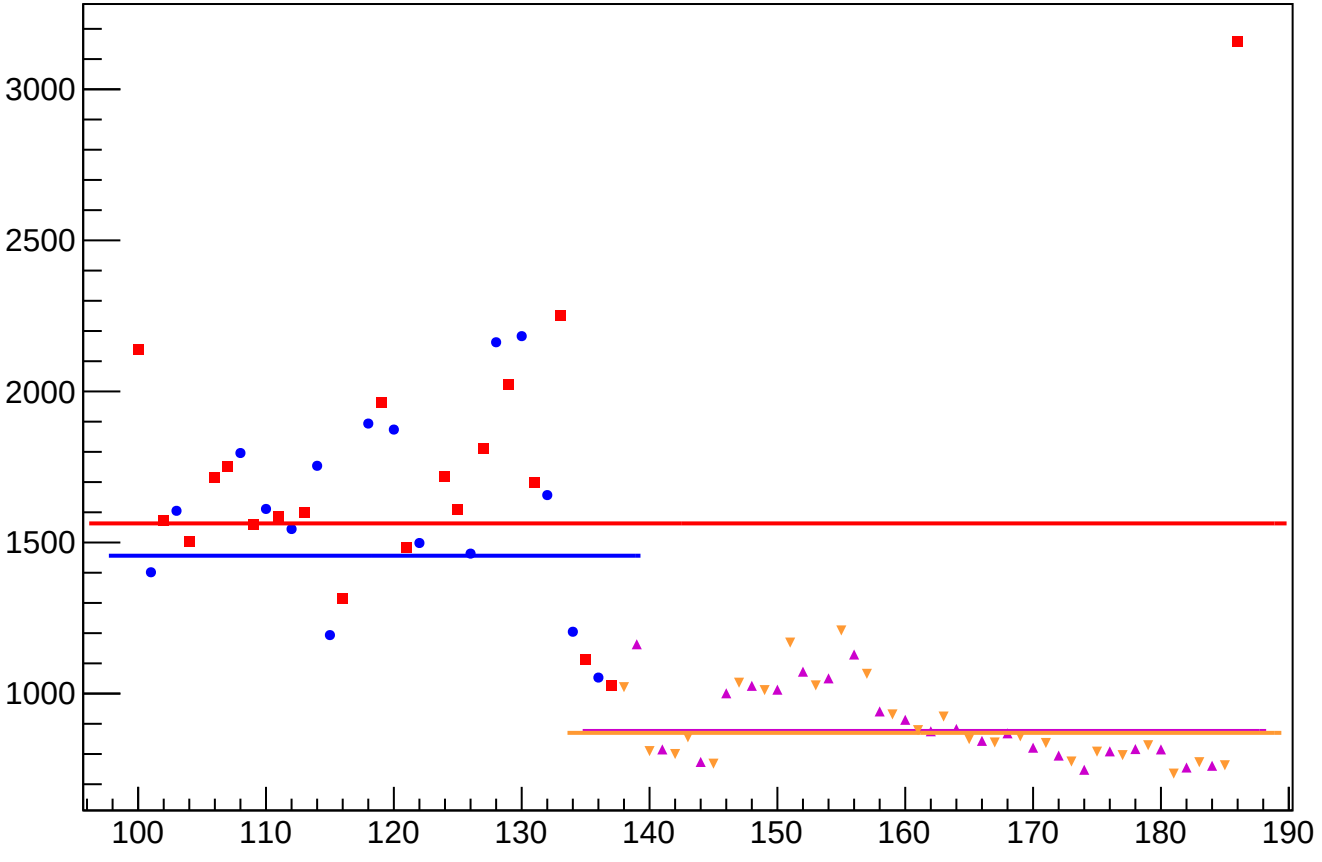
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -1059.353+/-557.644 χ²/NDF: 20.0/15
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1061.041+/-571.222 χ²/NDF: 13.9/19
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -24.658+/-399.028 χ²/NDF: 41.0/35
In: -70.600+/-193.795 χ²/NDF:54.3/38
Out: -599.297+/-188.639 χ²/NDF:81.7/44
All: -342.076+/-135.174 χ²/NDF: 139.8/83

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

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

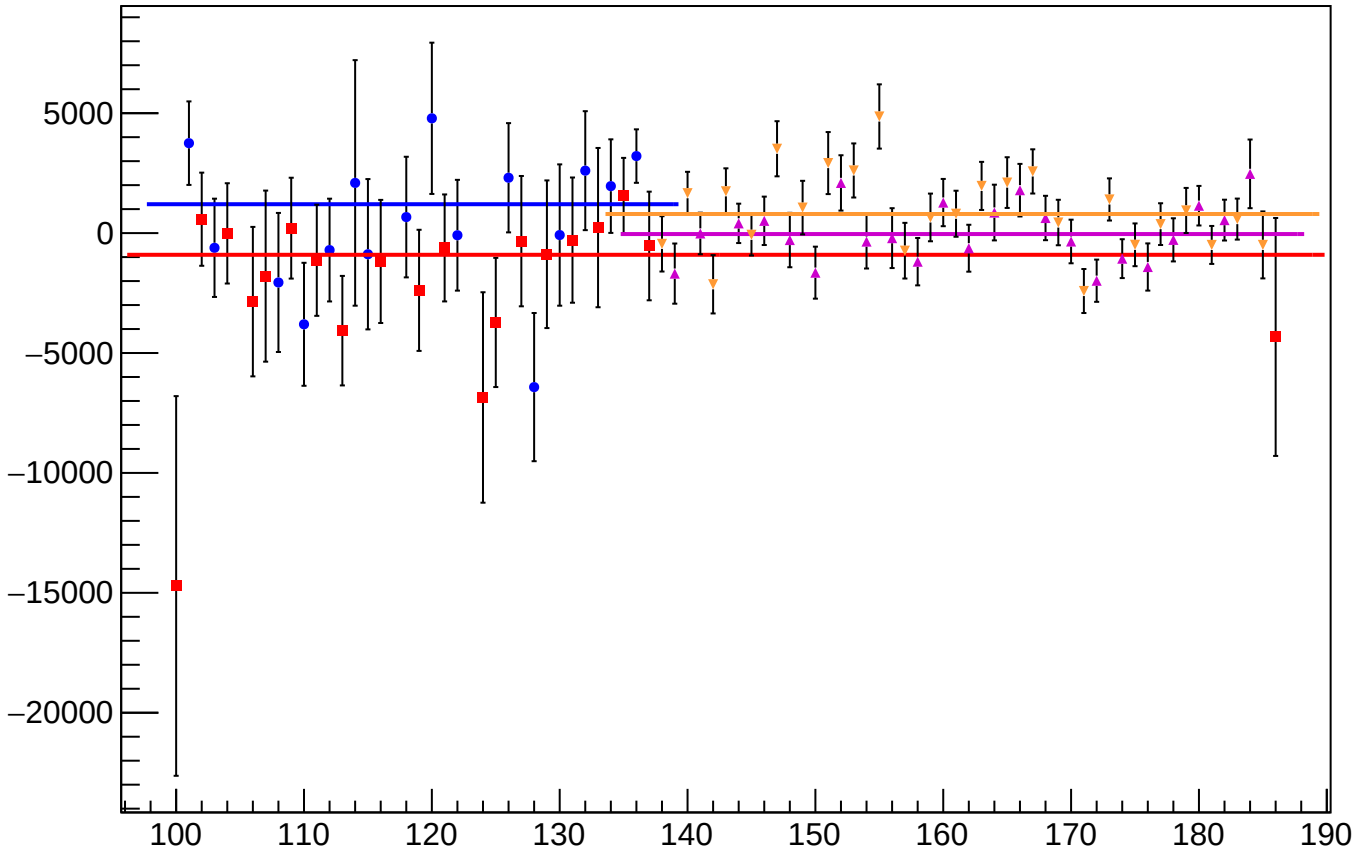
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1508.479+/-0.282 χ^2/NDF: 1452174.7/35

In: 946.324+/-0.137 χ^2/NDF:3184464.6/38

Out: 945.608+/-0.133 χ^2/NDF:4003070.0/44

All: 945.957+/-0.096 χ^2/NDF: 7187548.6/83



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -904.574+/-566.659 χ^2/NDF: 13.0/19

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

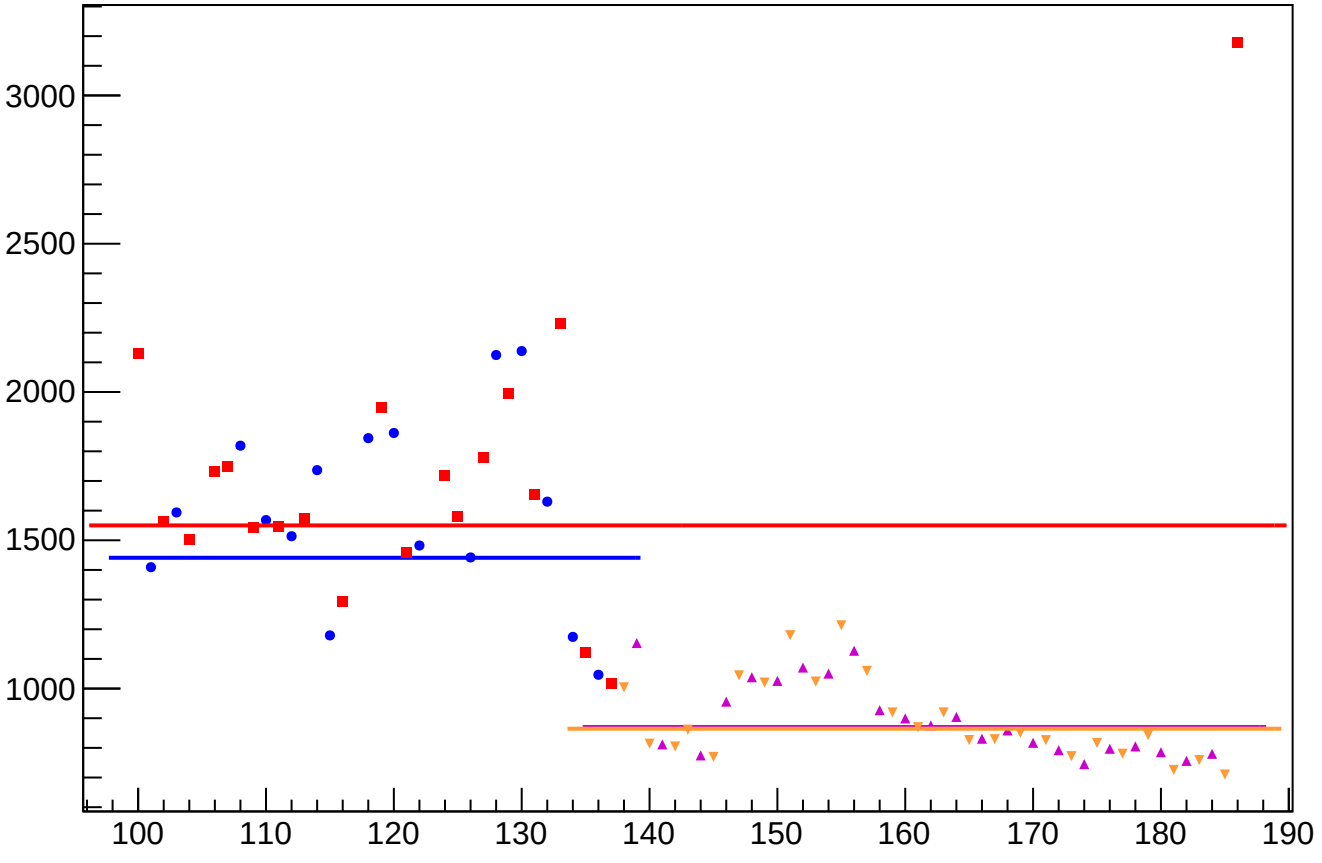
Right: 178.212+/-395.304 χ^2/NDF: 41.2/35

In: 111.668+/-192.452 χ^2/NDF:55.3/38

Out: 609.883+/-187.592 χ^2/NDF:78.2/44

All: 367.145+/-134.333 χ^2/NDF: 137.0/83

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

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

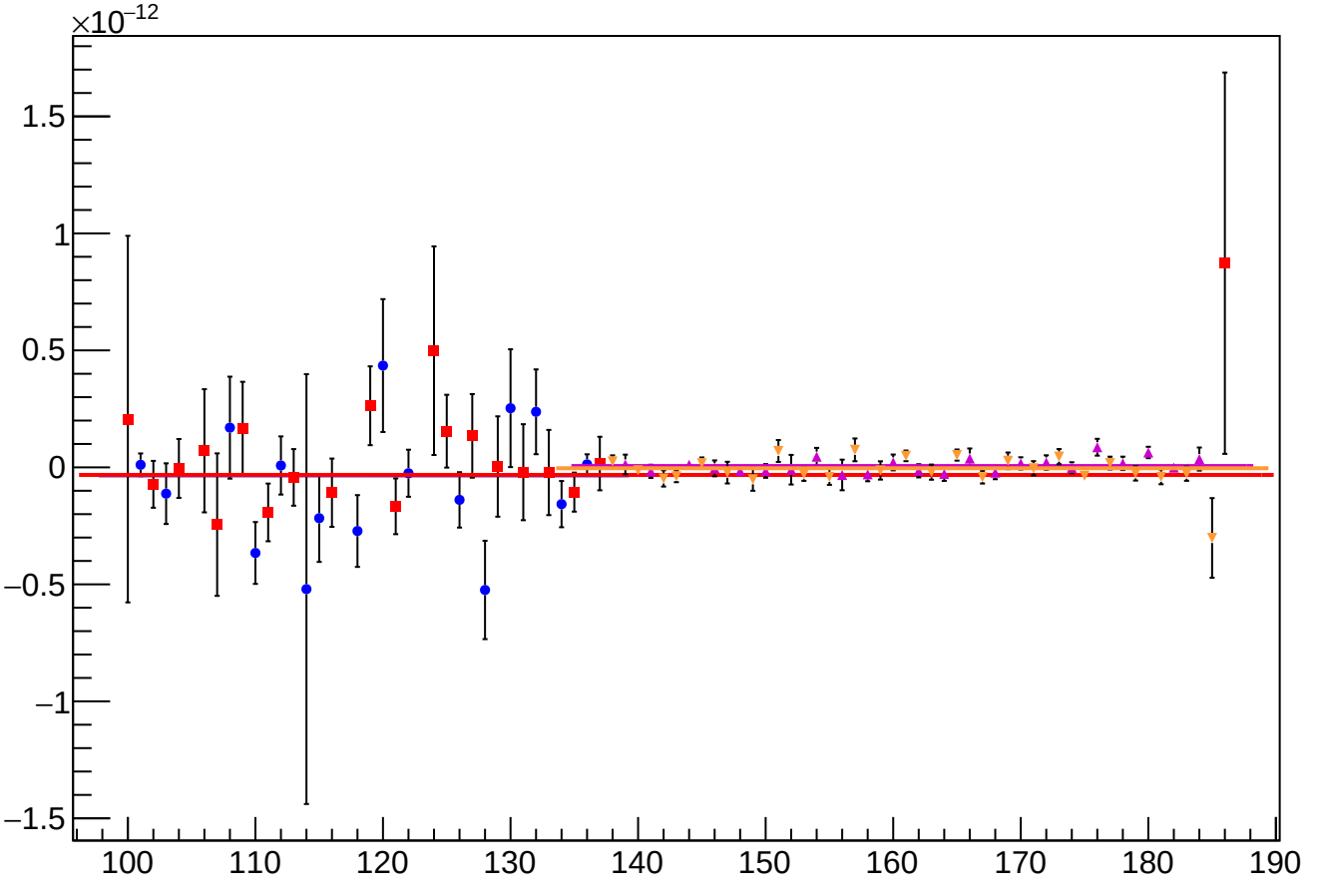
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1494.139+/-0.280 χ^2/NDF: 1428589.1/35

In: 939.782+/-0.136 χ^2/NDF:3154592.7/38

Out: 939.766+/-0.133 χ^2/NDF:4015092.5/44

All: 939.774+/-0.095 χ^2/NDF: 7169685.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

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

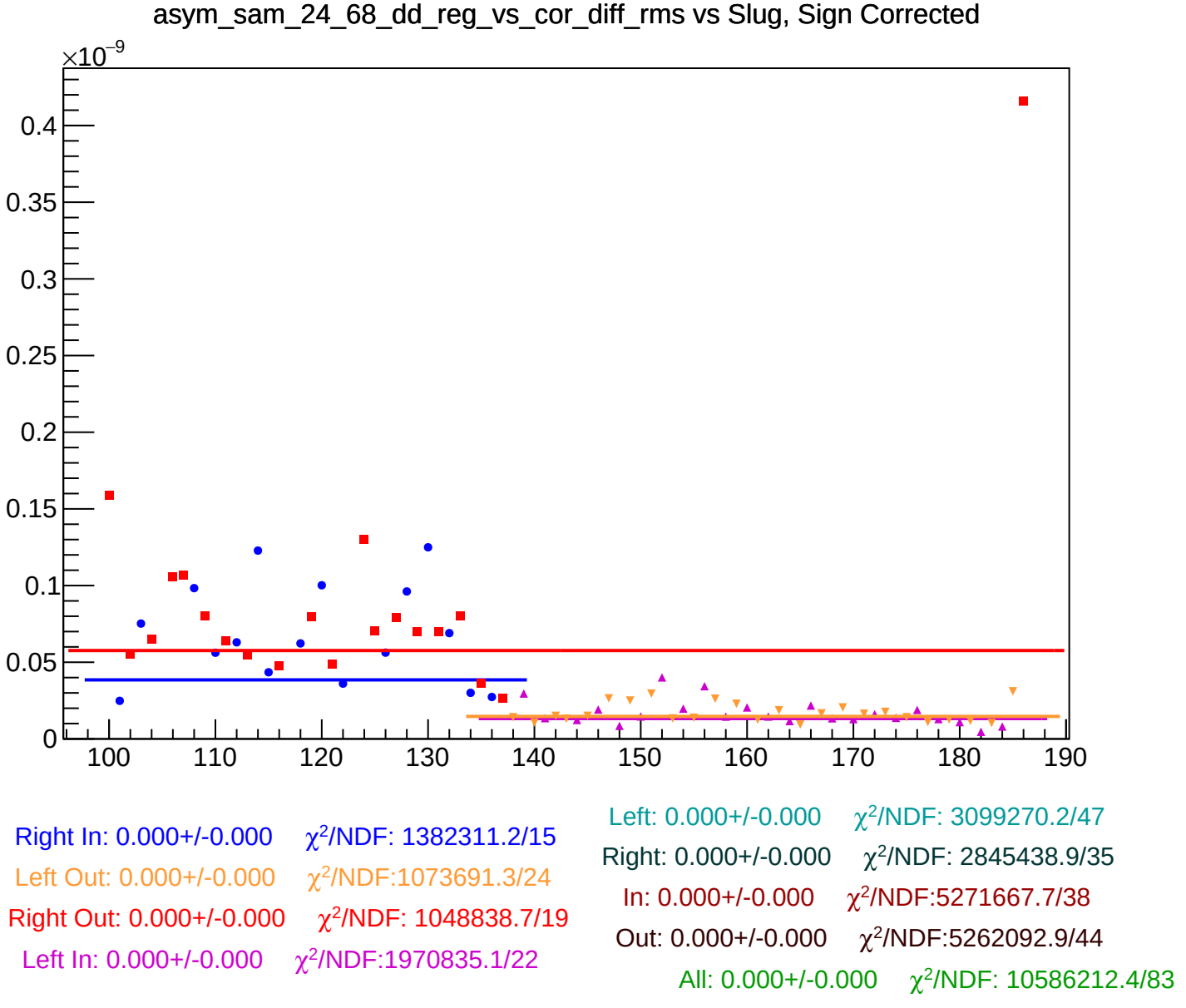
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.6/35

In: 0.000+/-0.000 χ^2/NDF:50.4/38

Out: -0.000+/-0.000 χ^2/NDF:53.6/44

All: -0.000+/-0.000 χ^2/NDF: 105.0/83


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
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0.05
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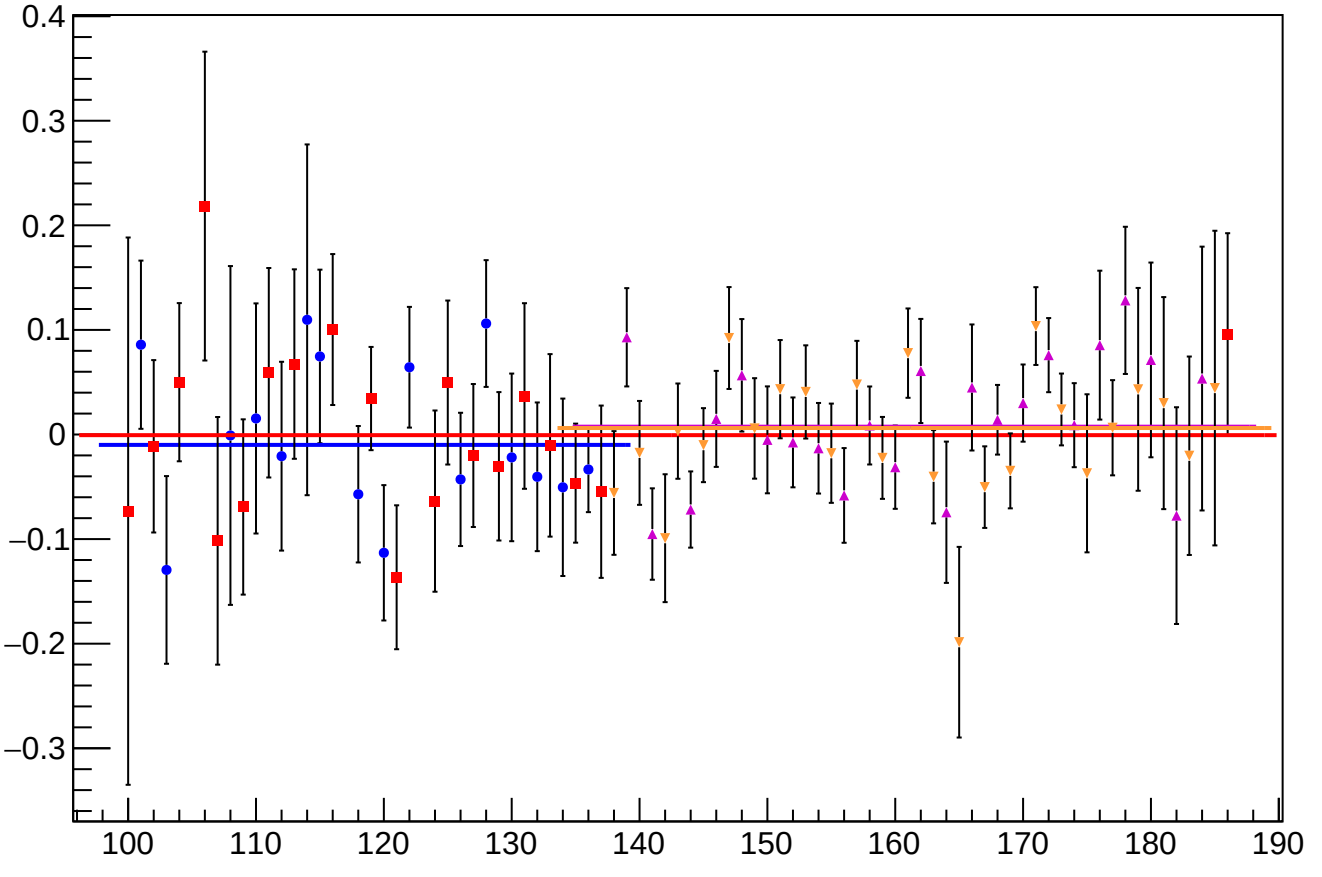
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1073691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1048838.7/19
Left In: 0.000+/-0.000 χ²/NDF:1970835.1/22
Left: 0.000+/-0.000 χ²/NDF: 3099270.2/47
Right: 0.000+/-0.000 χ²/NDF: 2845438.9/35
In: 0.000+/-0.000 χ²/NDF:5271667.7/38
Out: 0.000+/-0.000 χ²/NDF:5262092.9/44
All: 0.000+/-0.000 χ²/NDF: 10586212.4/83



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

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

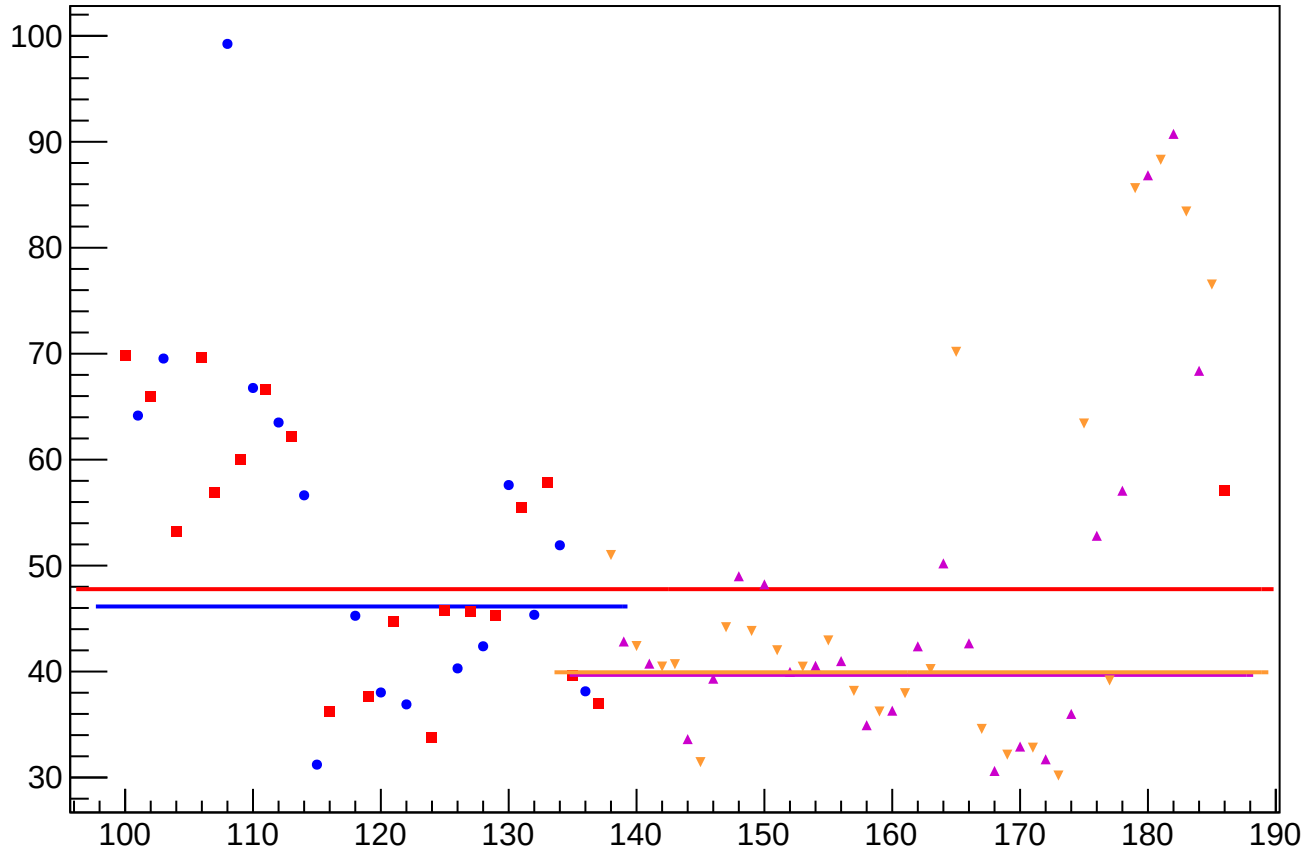
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.005+/-0.013 χ^2/NDF: 29.3/35

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.005+/-0.008 χ^2/NDF:45.8/44

All: 0.004+/-0.006 χ^2/NDF: 91.2/83



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

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

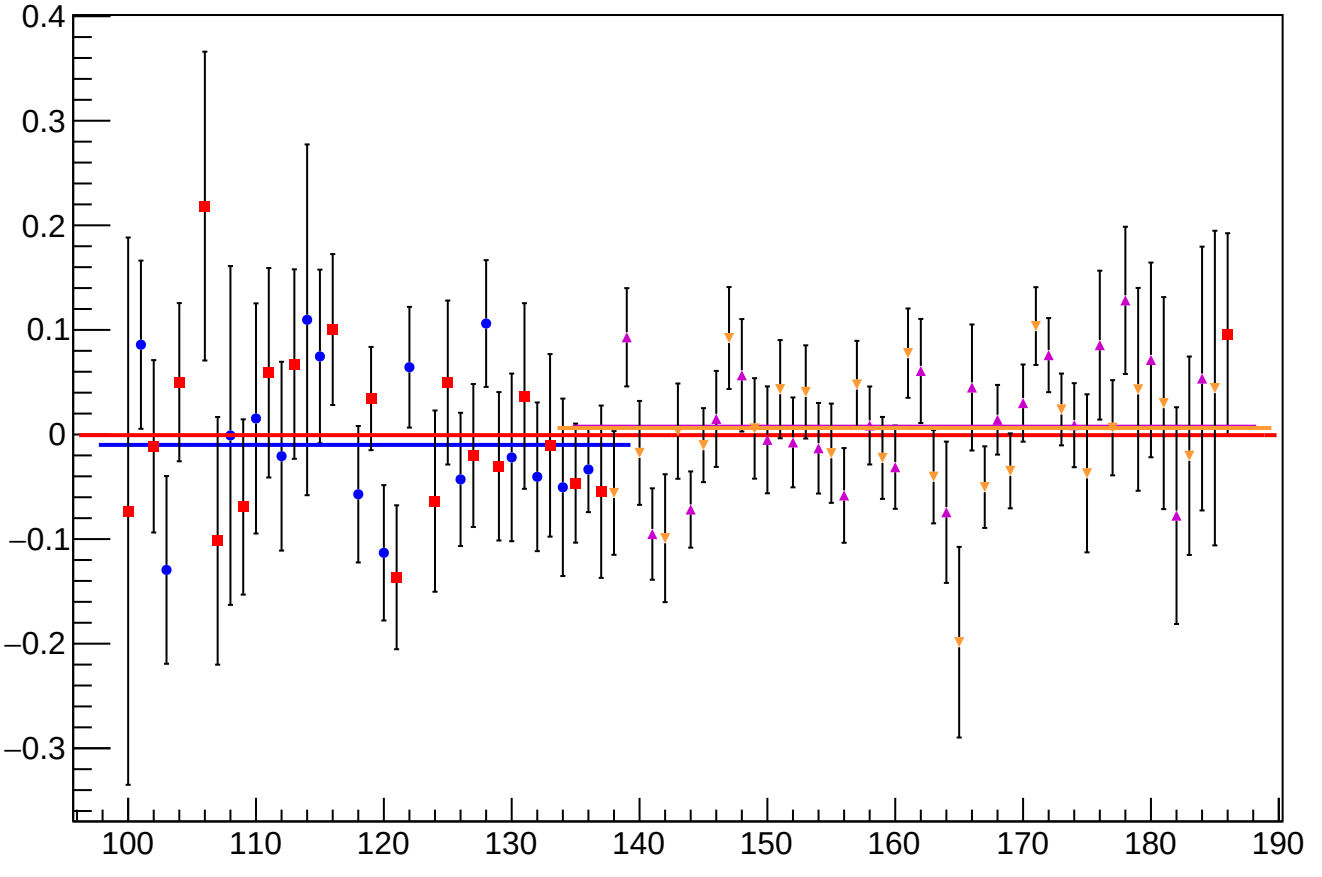
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 46.968+/-0.009 χ^2/NDF: 1585466.5/35

In: 41.157+/-0.006 χ^2/NDF:3017948.3/38

Out: 41.693+/-0.006 χ^2/NDF:3451194.2/44

All: 41.430+/-0.004 χ^2/NDF: 6473108.5/83



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

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

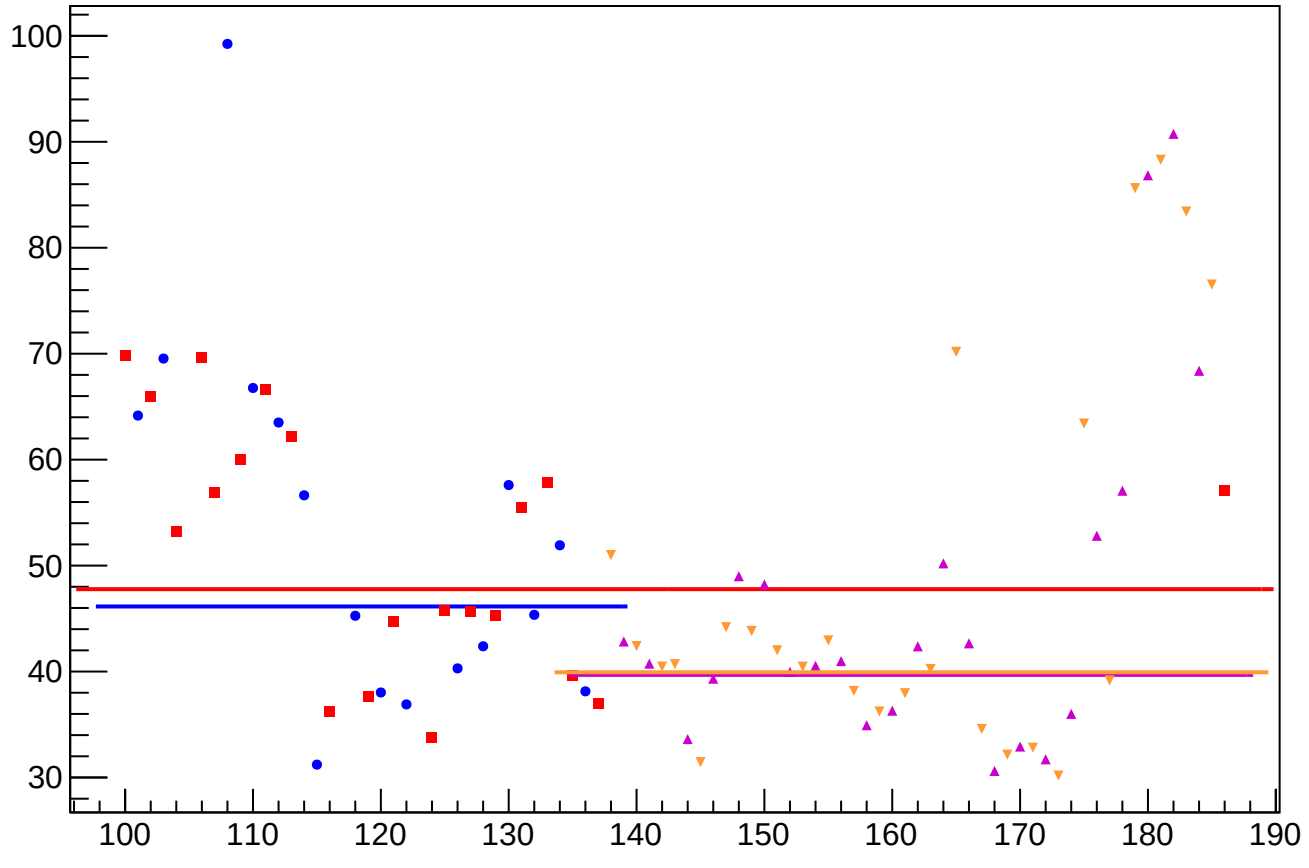
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.005+/-0.013 χ^2/NDF: 29.3/35

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.005+/-0.008 χ^2/NDF:45.8/44

All: 0.004+/-0.006 χ^2/NDF: 91.2/83



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

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

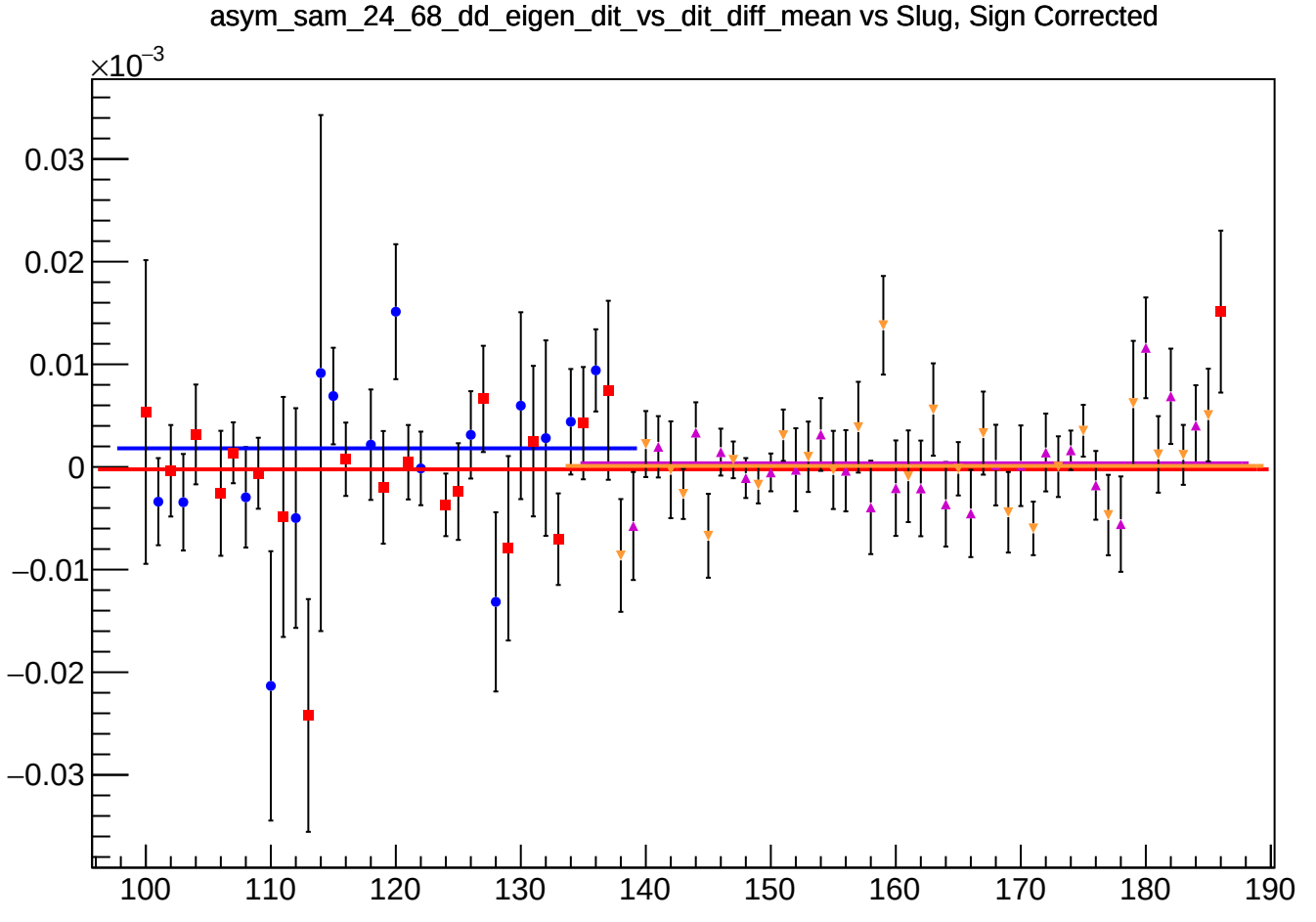
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 46.968+/-0.009 χ^2/NDF: 1585466.5/35

In: 41.157+/-0.006 χ^2/NDF:3017948.3/38

Out: 41.693+/-0.006 χ^2/NDF:3451194.2/44

All: 41.430+/-0.004 χ^2/NDF: 6473108.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

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

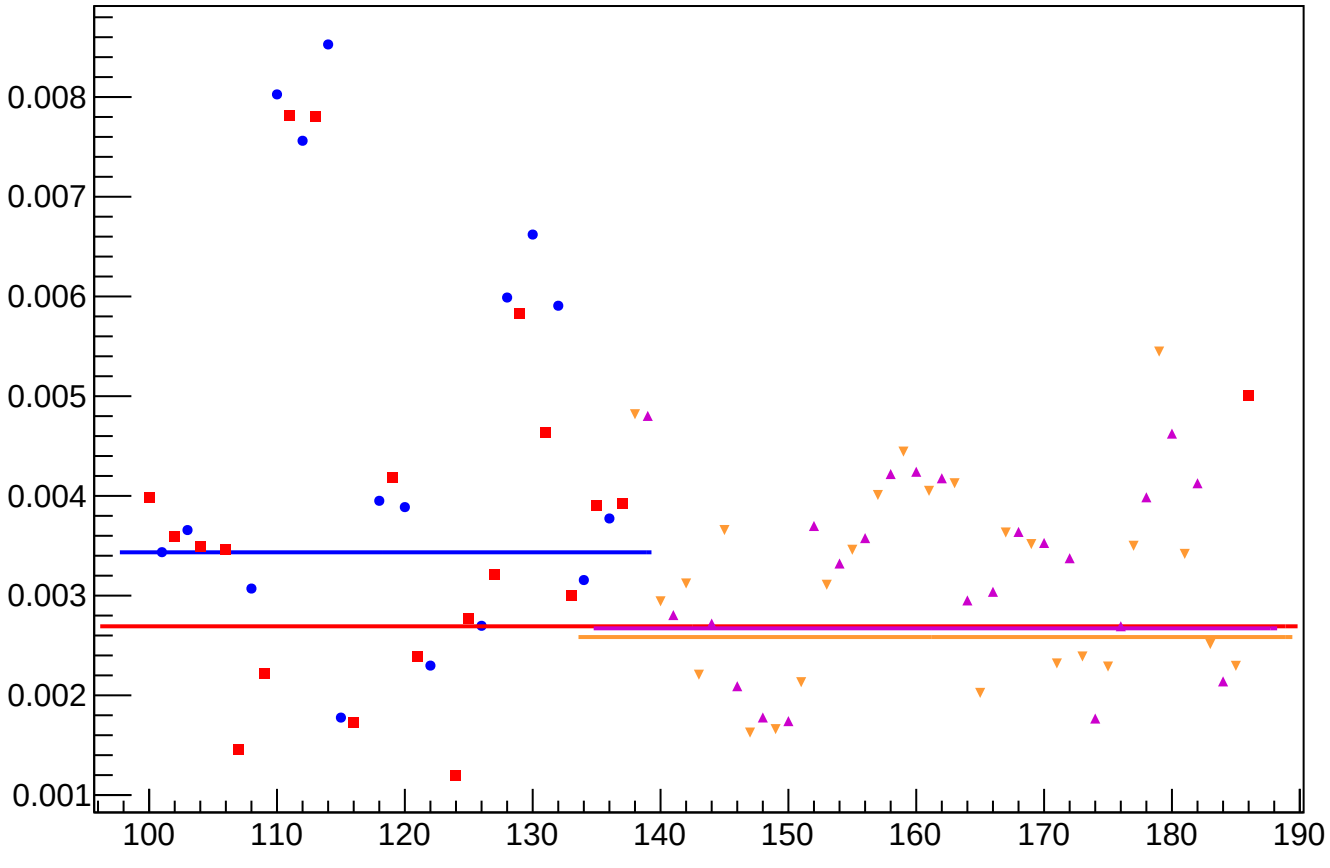
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 39.0/35

In: 0.000+/-0.000 χ^2/NDF:39.6/38

Out: 0.000+/-0.000 χ^2/NDF:50.9/44

All: 0.000+/-0.000 χ^2/NDF: 91.1/83



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

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

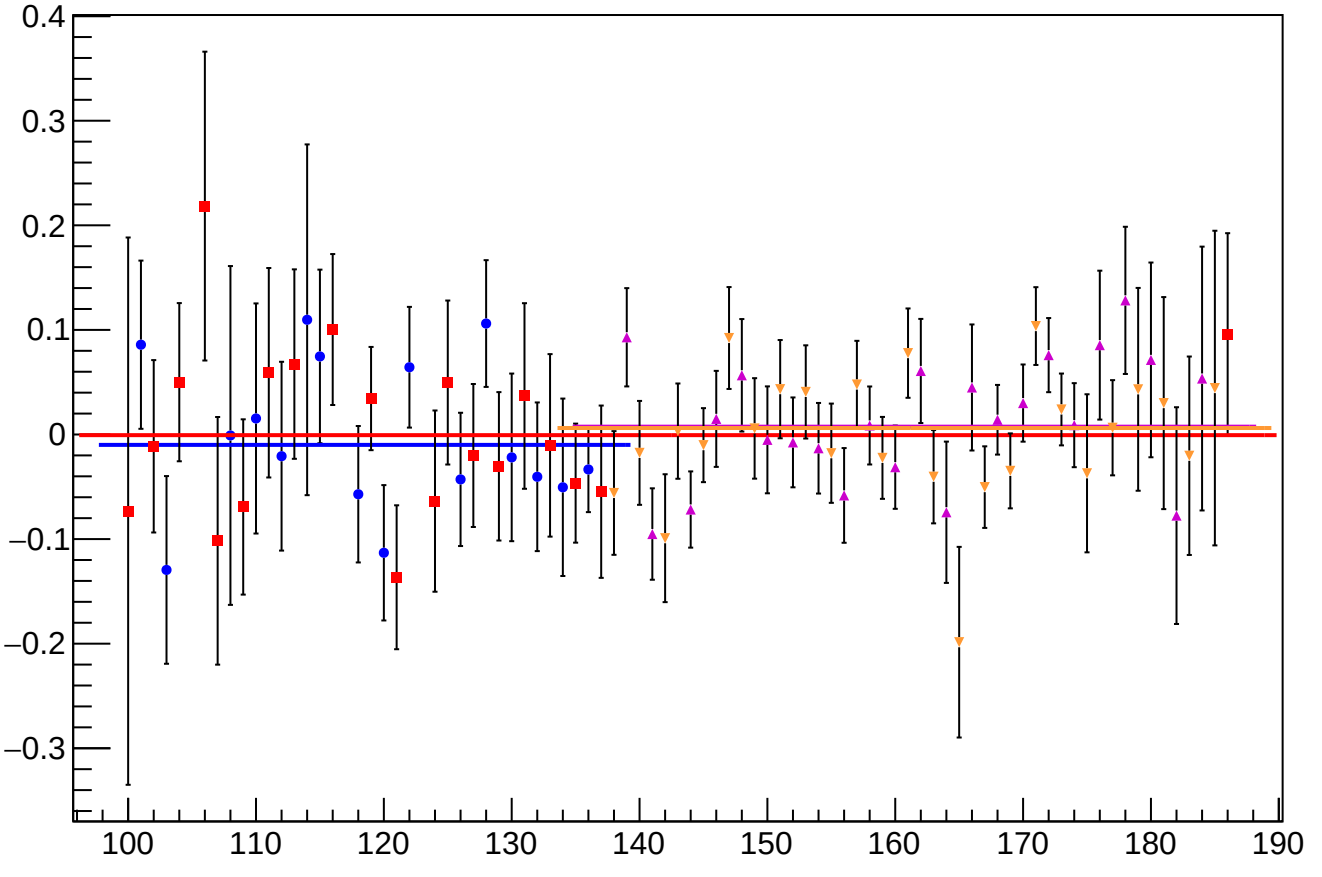
Right: 0.003+/-0.000 χ^2/NDF: 4982472.3/35

In: 0.003+/-0.000 χ^2/NDF:6072657.7/38

Out: 0.003+/-0.000 χ^2/NDF:6780293.8/44

All: 0.003+/-0.000 χ^2/NDF: 12983629.0/83

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-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

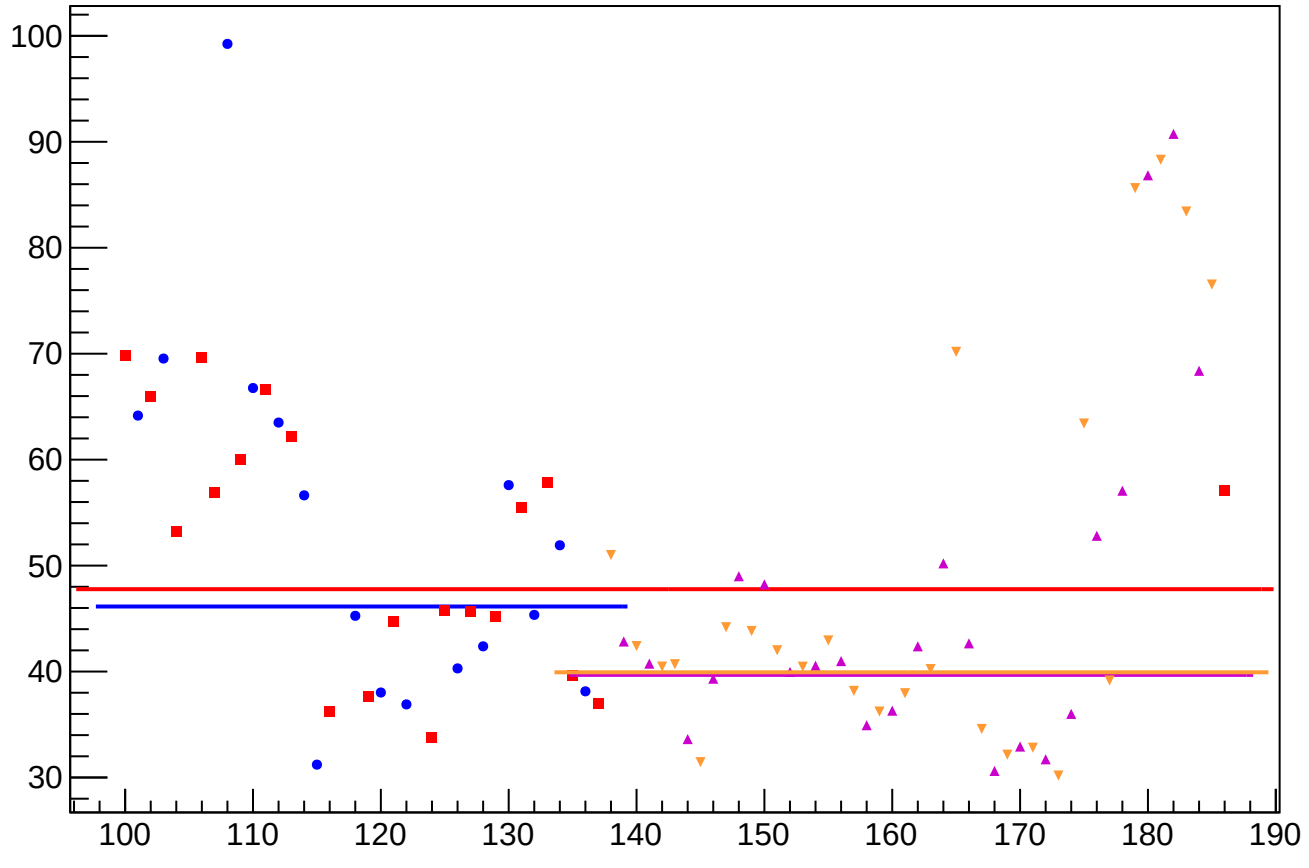
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.005+/-0.013 χ^2/NDF: 29.3/35

In: 0.004+/-0.009 χ^2/NDF:45.4/38

Out: 0.005+/-0.008 χ^2/NDF:45.8/44

All: 0.004+/-0.006 χ^2/NDF: 91.2/83



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

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

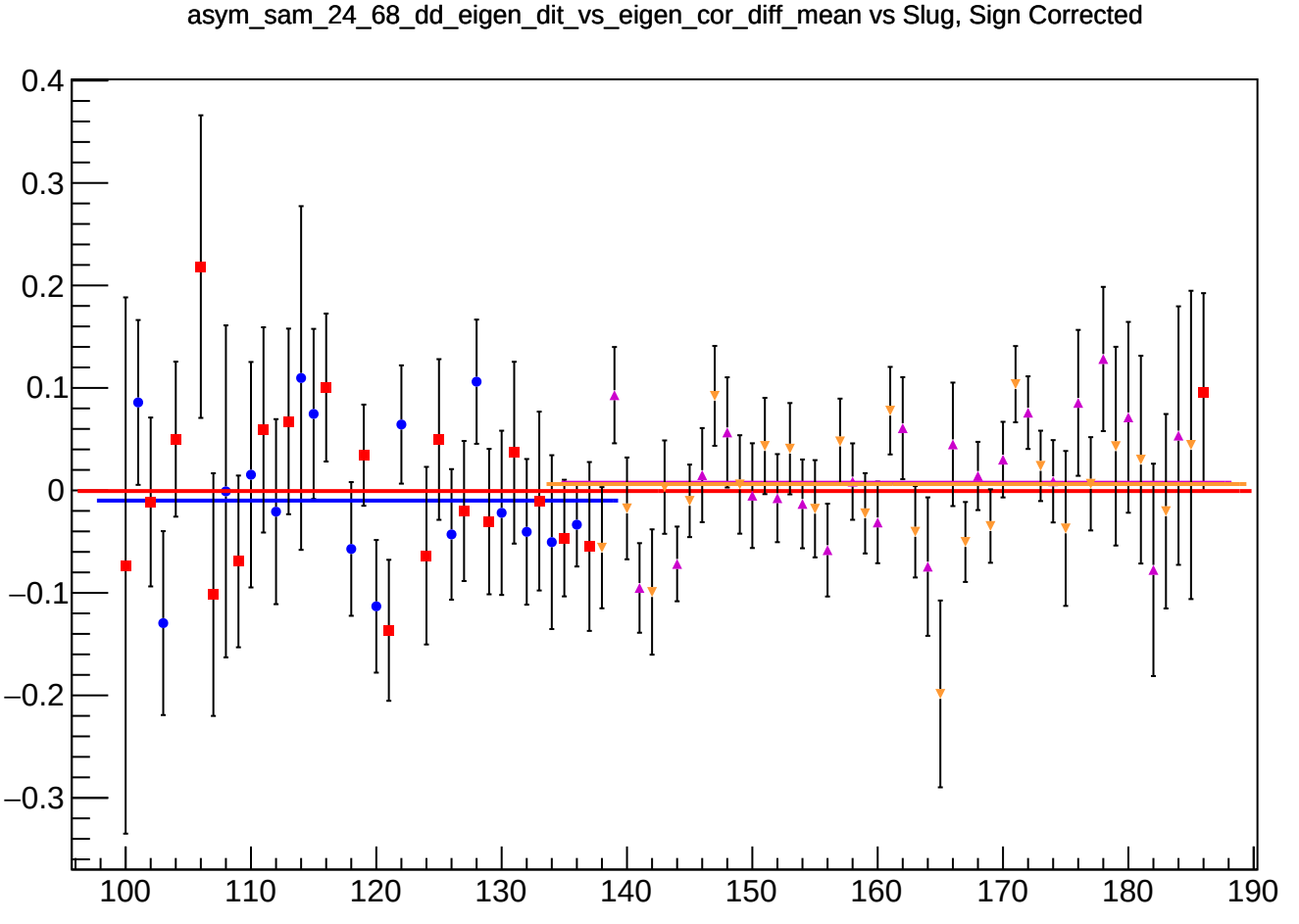
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 46.967+/-0.009 χ^2/NDF: 1585441.7/35

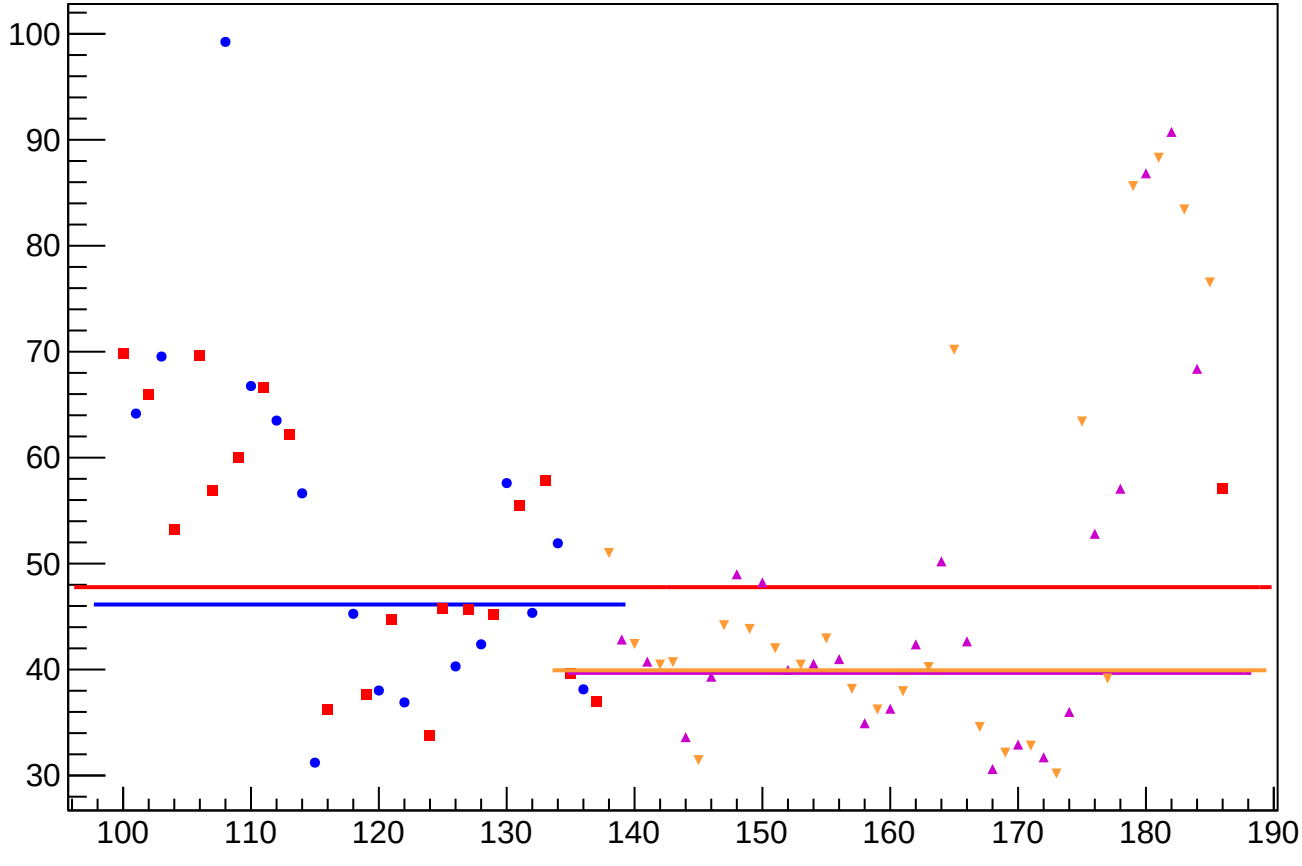
In: 41.156+/-0.006 χ^2/NDF:3017874.7/38

Out: 41.693+/-0.006 χ^2/NDF:3451149.2/44

All: 41.429+/-0.004 χ^2/NDF: 6472994.5/83


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: -0.010+/-0.018 χ²/NDF: 14.2/15
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: -0.005+/-0.013 χ²/NDF: 29.3/35
In: 0.004+/-0.009 χ²/NDF:45.4/38
Out: 0.005+/-0.008 χ²/NDF:45.8/44
All: 0.004+/-0.006 χ²/NDF: 91.2/83

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 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

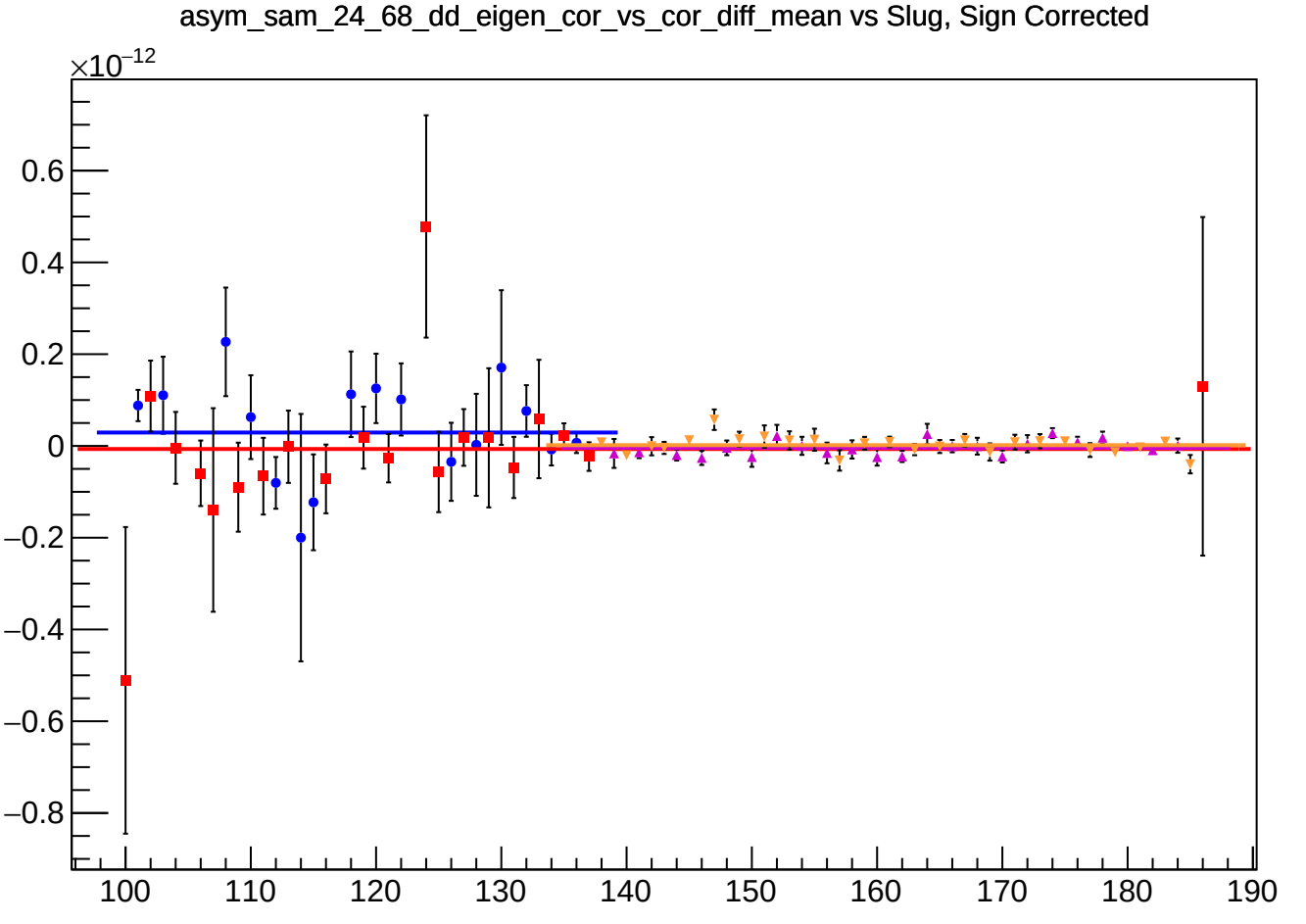
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 46.967+/-0.009 χ^2/NDF: 1585441.7/35

In: 41.156+/-0.006 χ^2/NDF:3017874.7/38

Out: 41.693+/-0.006 χ^2/NDF:3451149.2/44

All: 41.429+/-0.004 χ^2/NDF: 6472994.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.4/19

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

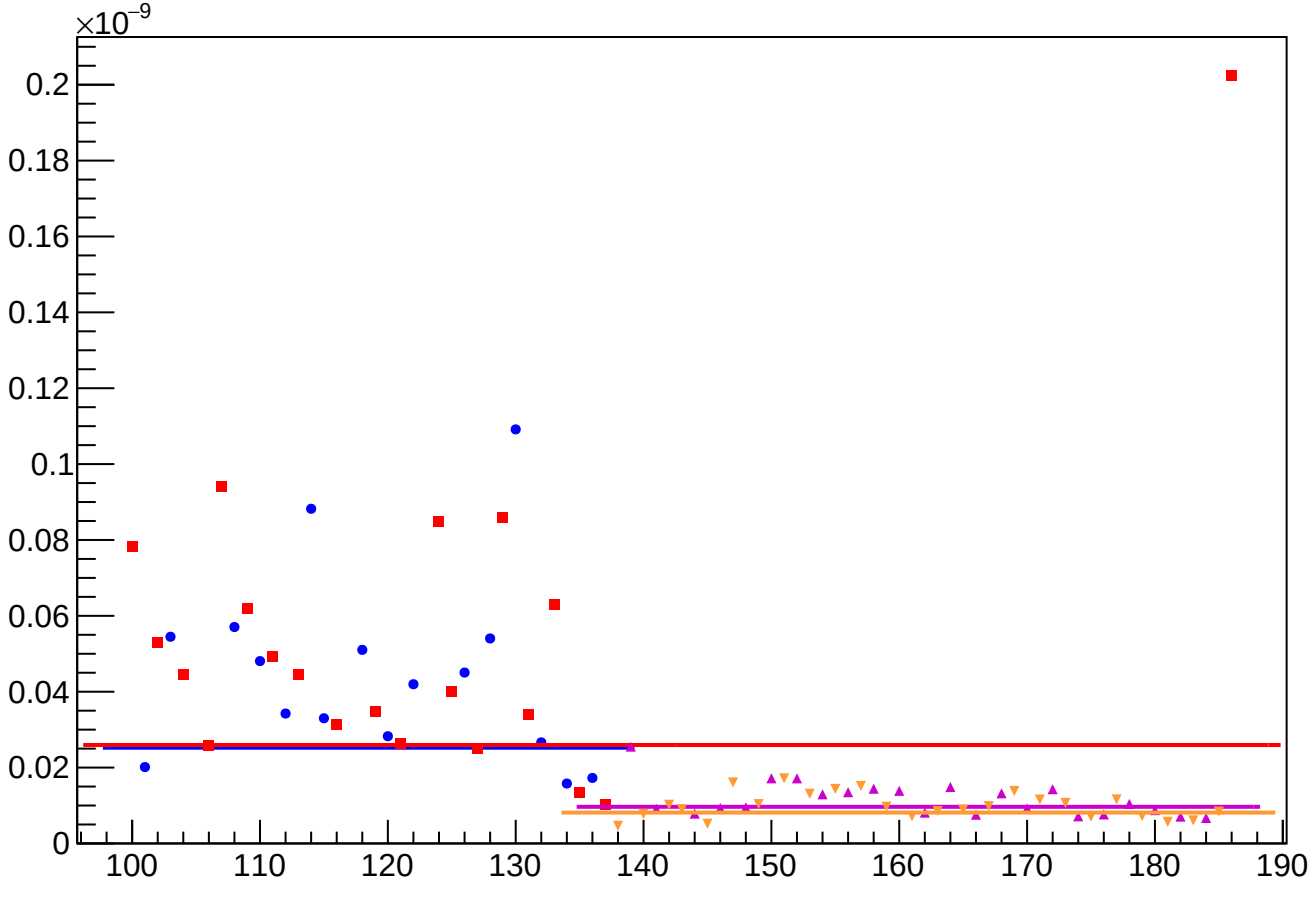
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 38.6/35

In: -0.000+/-0.000 χ^2/NDF:54.2/38

Out: 0.000+/-0.000 χ^2/NDF:42.7/44

All: -0.000+/-0.000 χ^2/NDF: 97.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

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

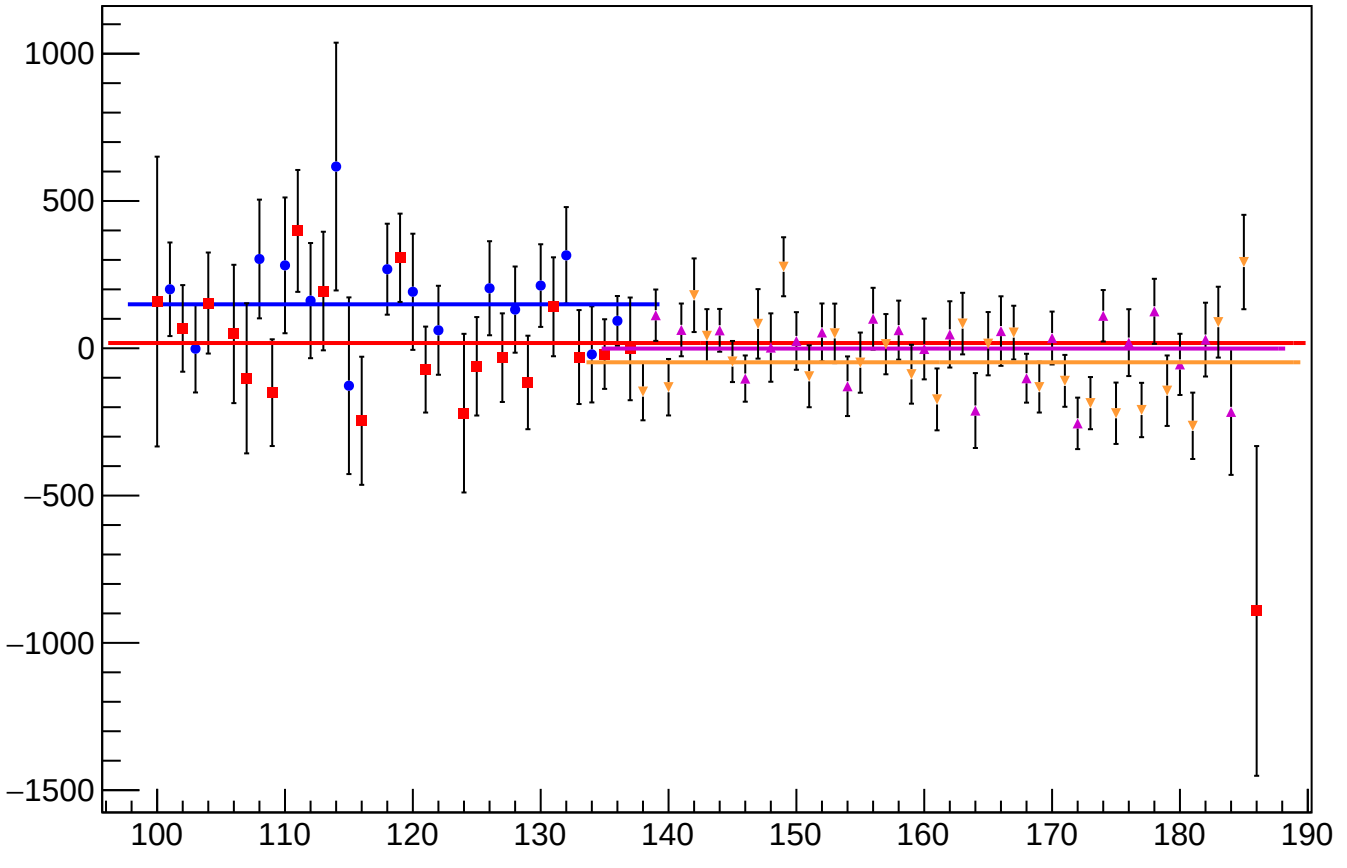
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5369626.1/35

In: 0.000+/-0.000 χ^2/NDF:6750893.5/38

Out: 0.000+/-0.000 χ^2/NDF:8597051.0/44

All: 0.000+/-0.000 χ^2/NDF: 15730906.2/83



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

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

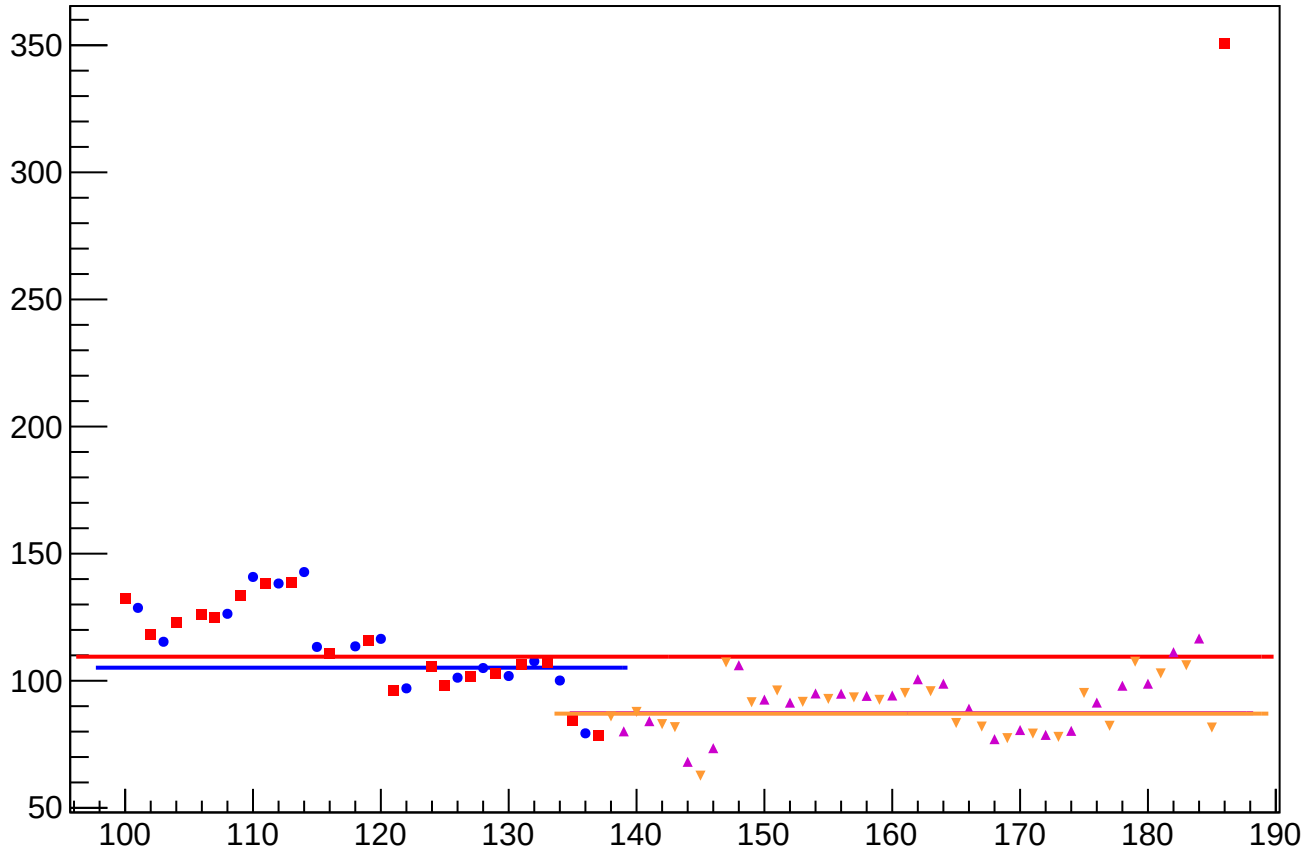
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 84.104+/-28.172 χ^2/NDF: 30.3/35

In: 30.920+/-18.286 χ^2/NDF:44.8/38

Out: -34.460+/-17.876 χ^2/NDF:63.0/44

All: -2.511+/-12.783 χ^2/NDF: 114.3/83



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

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

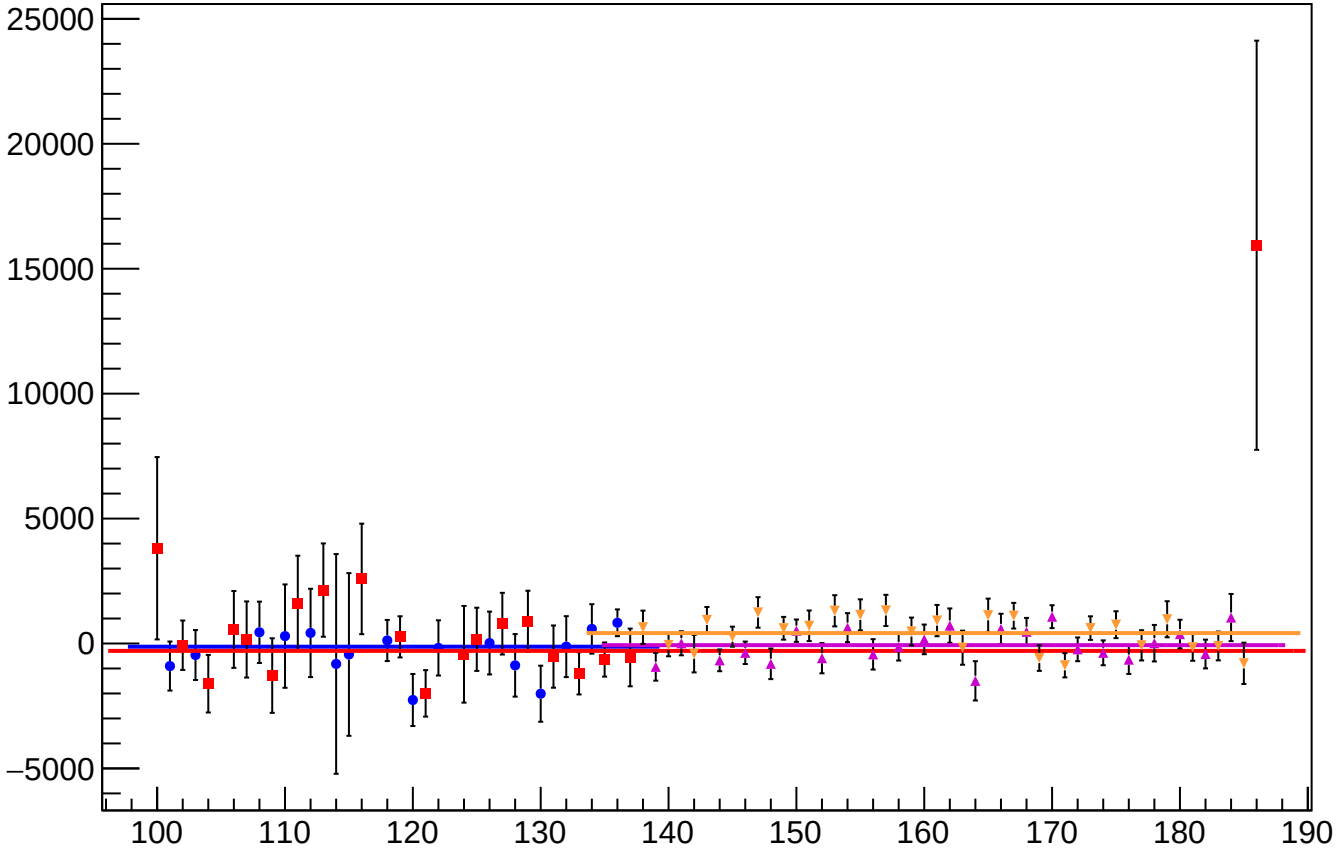
Right: 107.292+/-0.020 χ^2/NDF: 1143325.4/35

In: 91.055+/-0.013 χ^2/NDF:1324307.6/38

Out: 91.546+/-0.013 χ^2/NDF:1845695.6/44

All: 91.306+/-0.009 χ^2/NDF: 3170741.2/83

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 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

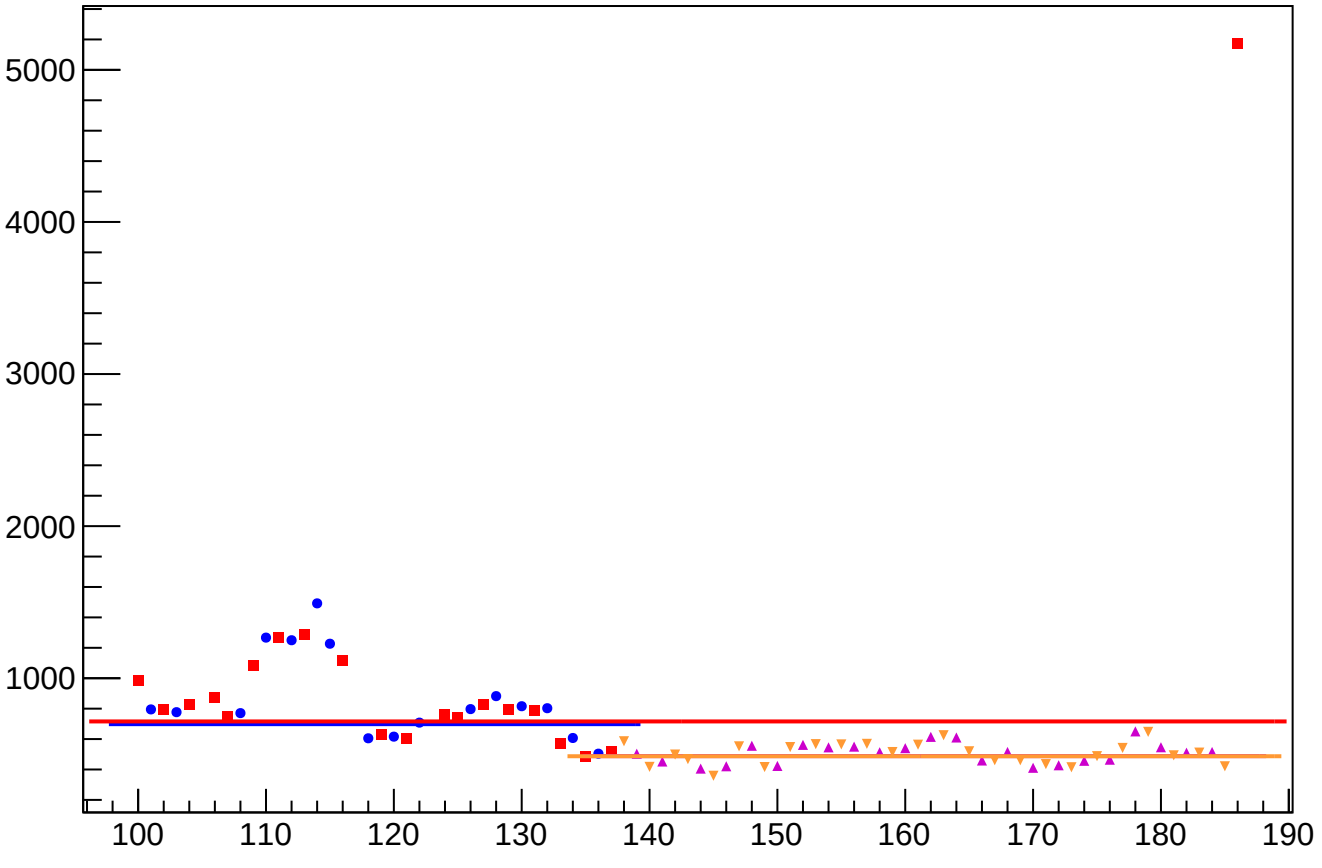
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -211.283+/-190.420 χ^2/NDF: 31.4/35

In: -76.242+/-106.044 χ^2/NDF:39.9/38

Out: 311.381+/-103.716 χ^2/NDF:57.3/44

All: 121.870+/-74.148 χ^2/NDF: 104.0/83



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

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

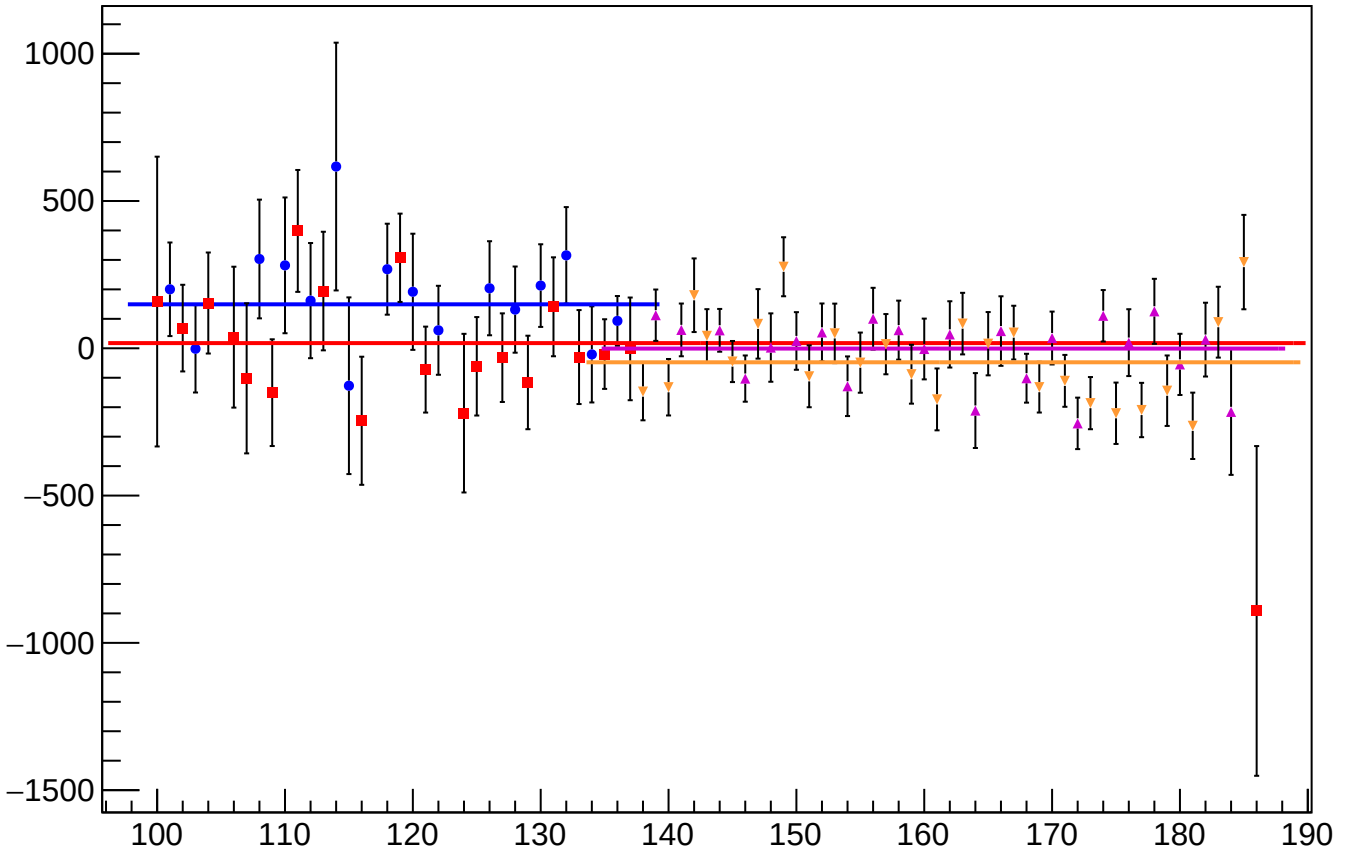
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 706.951+/-0.135 χ^2/NDF: 2545603.6/35

In: 520.679+/-0.075 χ^2/NDF:2580241.9/38

Out: 520.855+/-0.073 χ^2/NDF:3674621.5/44

All: 520.769+/-0.052 χ^2/NDF: 6254866.2/83



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

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

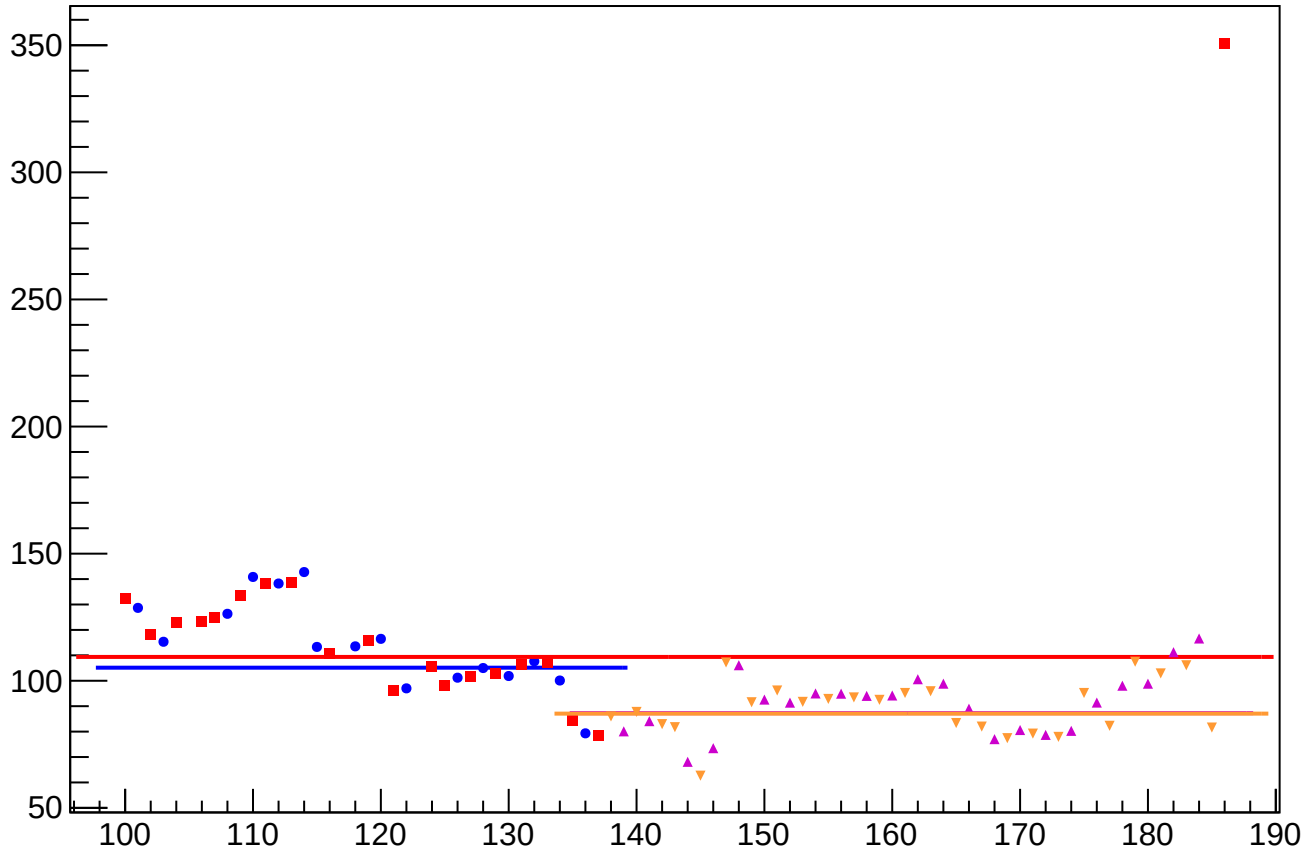
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 84.009+/-28.180 χ^2/NDF: 30.3/35

In: 30.917+/-18.286 χ^2/NDF:44.8/38

Out: -34.529+/-17.878 χ^2/NDF:62.9/44

All: -2.544+/-12.784 χ^2/NDF: 114.3/83



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

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

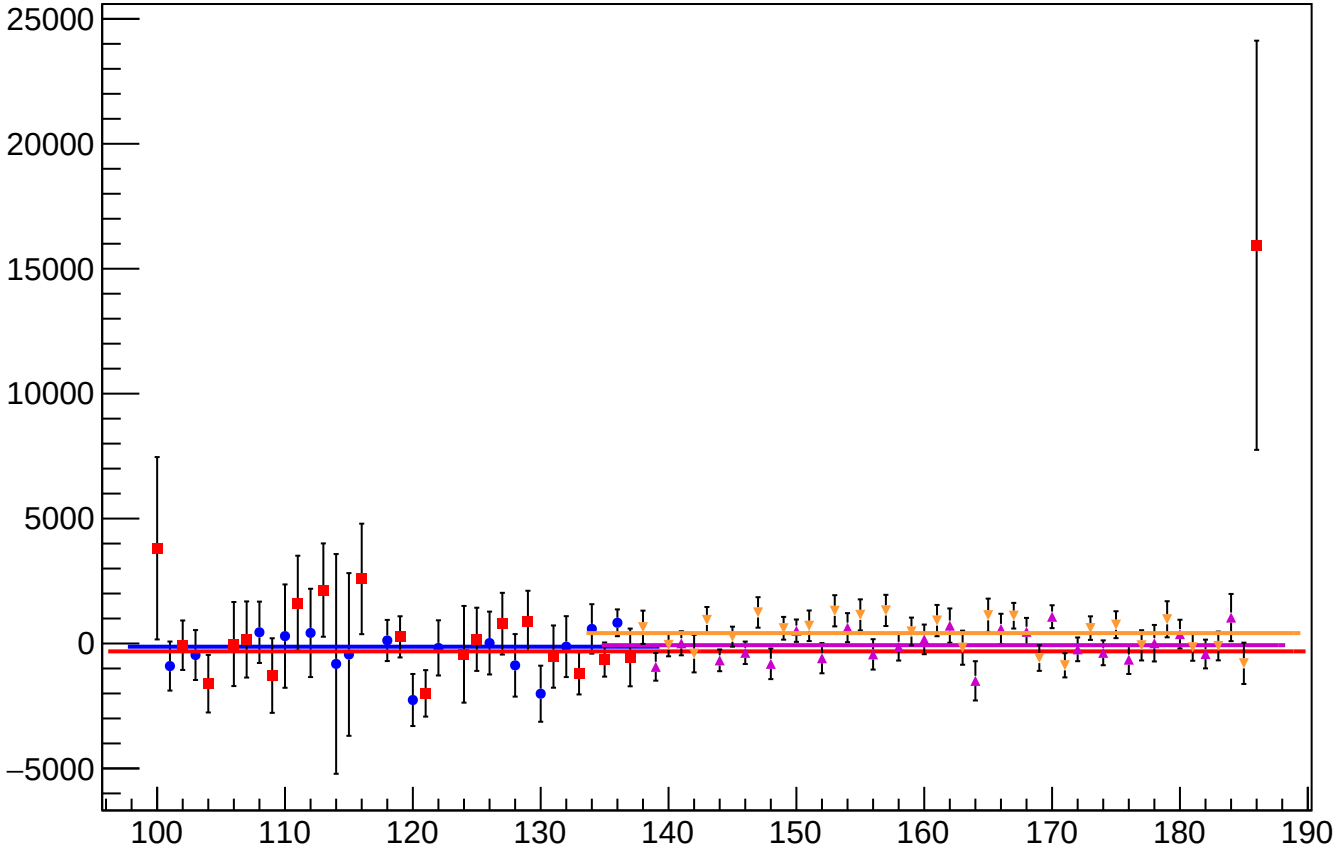
Right: 107.244+/-0.020 χ^2/NDF: 1139490.4/35

In: 91.055+/-0.013 χ^2/NDF:1324307.9/38

Out: 91.523+/-0.013 χ^2/NDF:1837711.9/44

All: 91.294+/-0.009 χ^2/NDF: 3162691.0/83

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 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

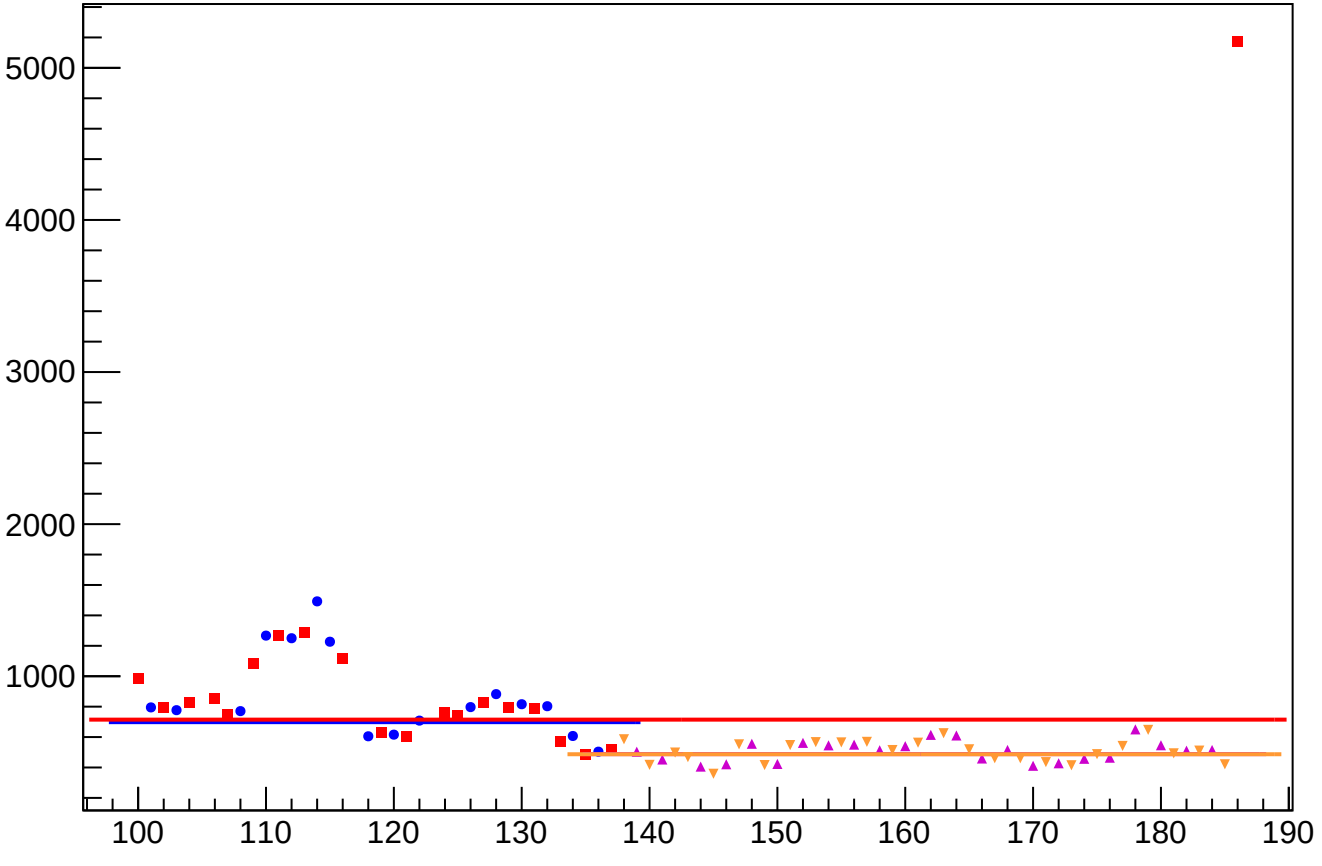
Right: -220.746+/-190.667 χ^2/NDF: 31.2/35

In: -76.239+/-106.044 χ^2/NDF:39.9/38

Out: 308.972+/-103.756 χ^2/NDF:57.3/44

All: 120.566+/-74.162 χ^2/NDF: 103.9/83

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 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

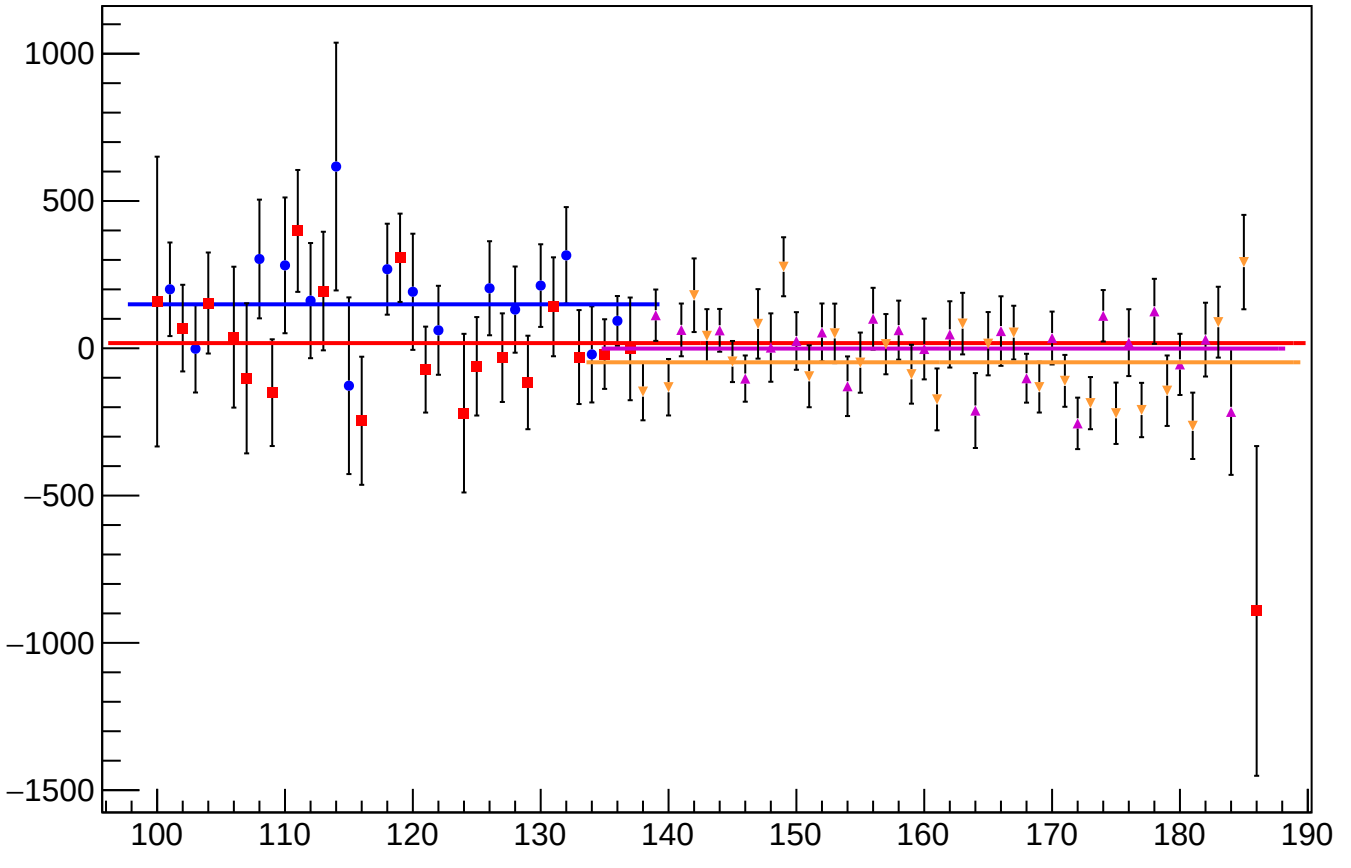
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 706.277+/-0.135 χ^2/NDF: 2537328.0/35

In: 520.679+/-0.075 χ^2/NDF:2580259.0/38

Out: 520.513+/-0.073 χ^2/NDF:3647591.5/44

All: 520.594+/-0.052 χ^2/NDF: 6227853.0/83



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

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

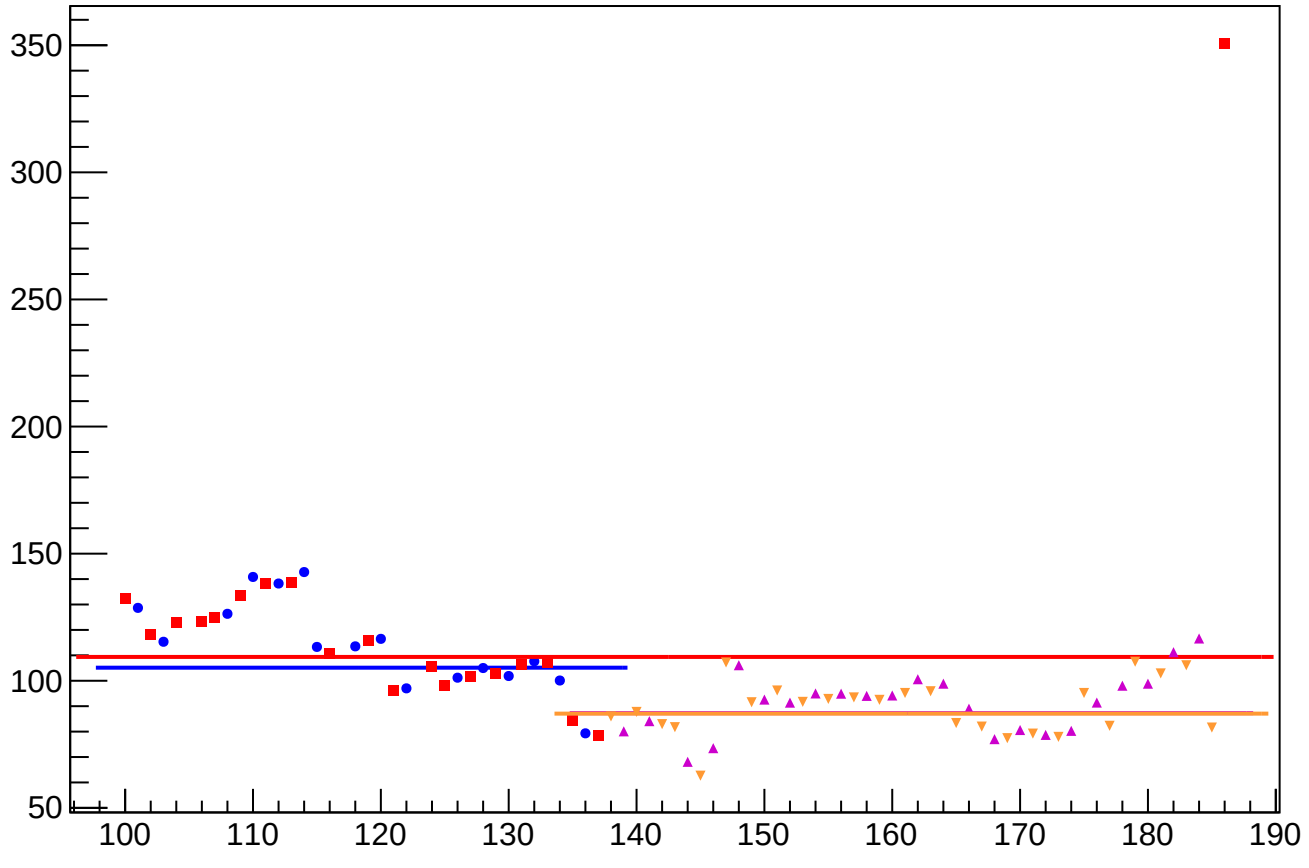
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 84.009+/-28.180 χ^2/NDF: 30.3/35

In: 30.917+/-18.286 χ^2/NDF:44.8/38

Out: -34.529+/-17.878 χ^2/NDF:62.9/44

All: -2.544+/-12.784 χ^2/NDF: 114.3/83



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

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

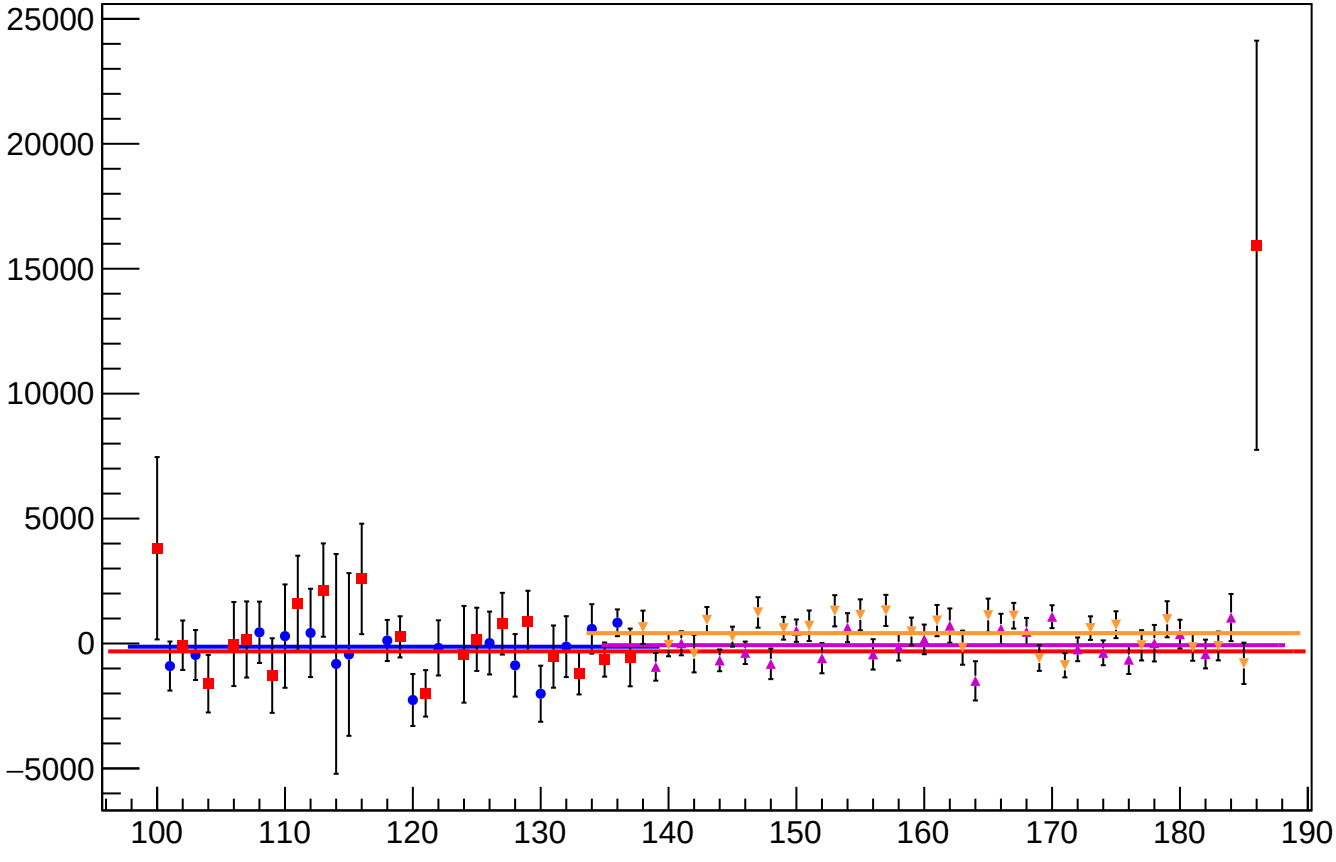
Right: 107.244+/-0.020 χ^2/NDF: 1139490.4/35

In: 91.055+/-0.013 χ^2/NDF:1324307.9/38

Out: 91.523+/-0.013 χ^2/NDF:1837711.9/44

All: 91.294+/-0.009 χ^2/NDF: 3162691.0/83

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 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

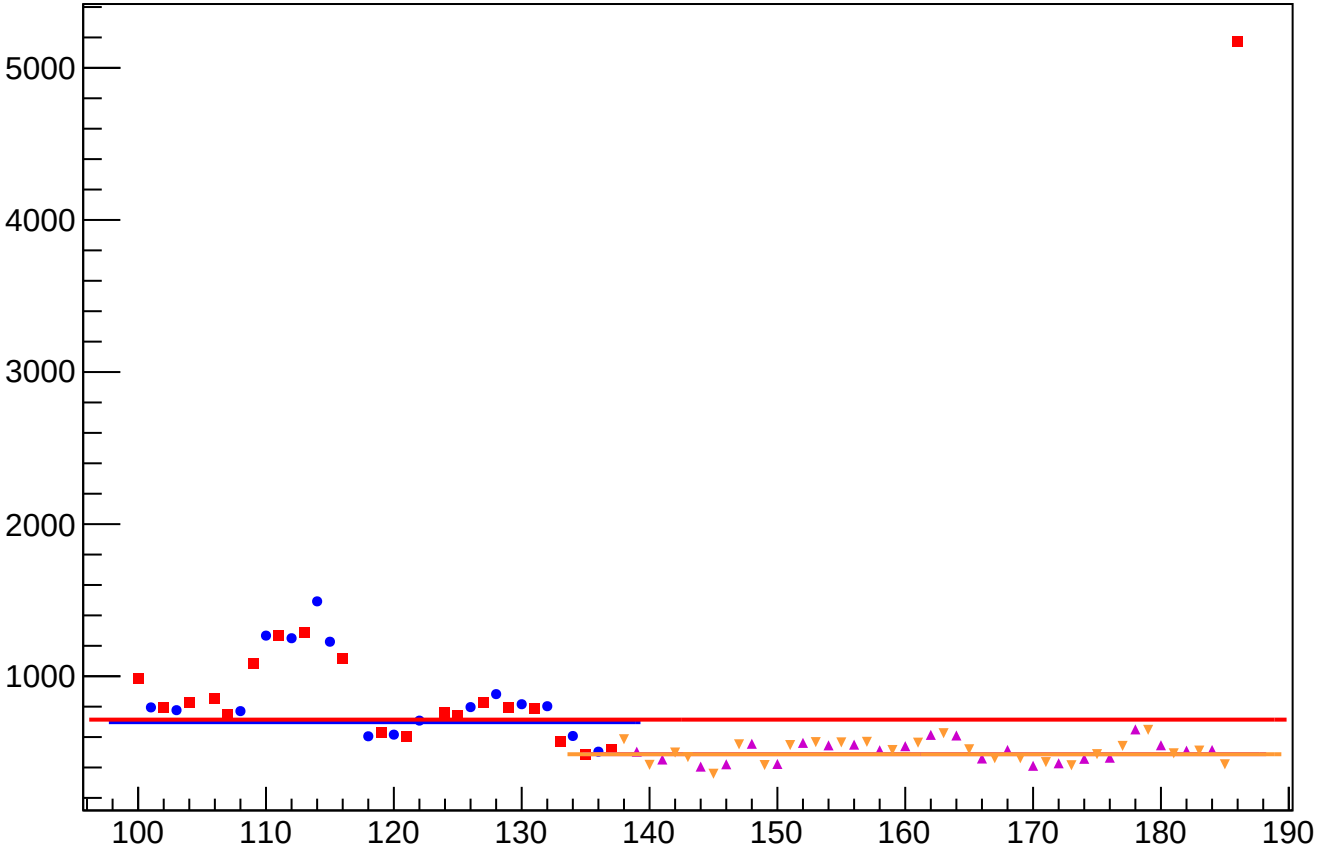
Right: -220.746+/-190.667 χ^2/NDF: 31.2/35

In: -76.239+/-106.044 χ^2/NDF:39.9/38

Out: 308.972+/-103.756 χ^2/NDF:57.3/44

All: 120.566+/-74.162 χ^2/NDF: 103.9/83

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 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

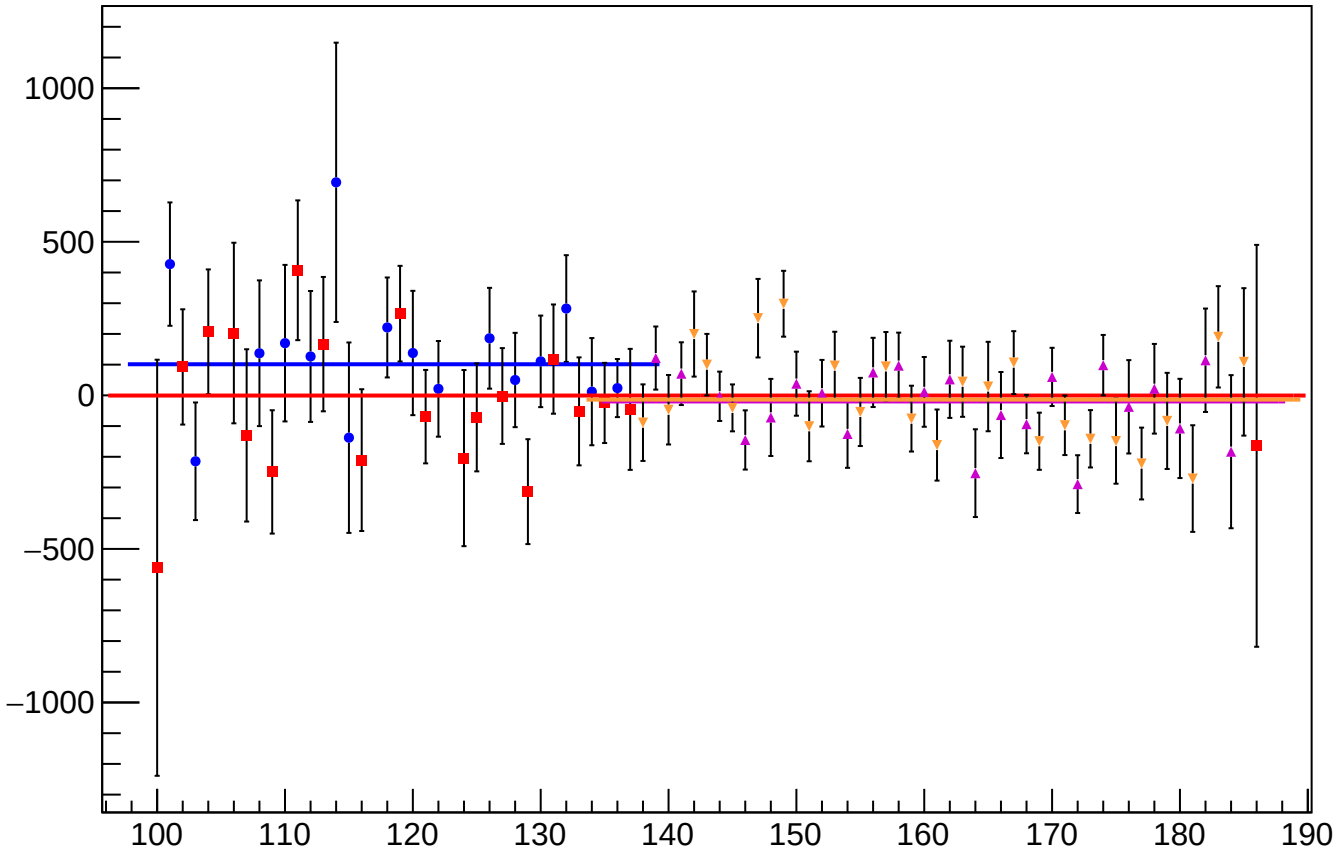
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 706.277+/-0.135 χ^2/NDF: 2537328.0/35

In: 520.679+/-0.075 χ^2/NDF:2580259.0/38

Out: 520.513+/-0.073 χ^2/NDF:3647591.5/44

All: 520.594+/-0.052 χ^2/NDF: 6227853.0/83



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

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

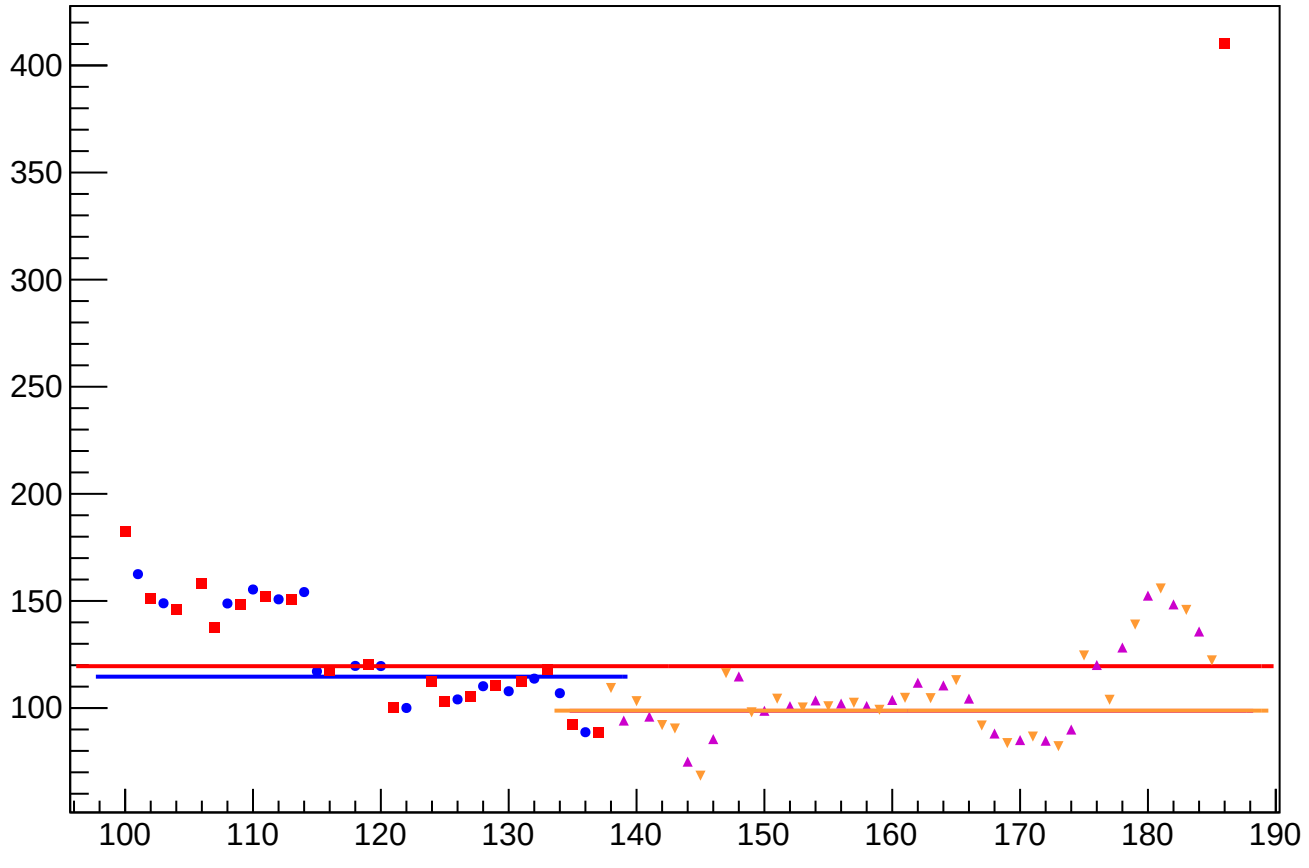
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 50.828+/-30.915 χ^2/NDF: 30.4/35

In: 7.669+/-20.725 χ^2/NDF:40.3/38

Out: -11.062+/-20.318 χ^2/NDF:53.1/44

All: -1.882+/-14.509 χ^2/NDF: 93.8/83



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

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

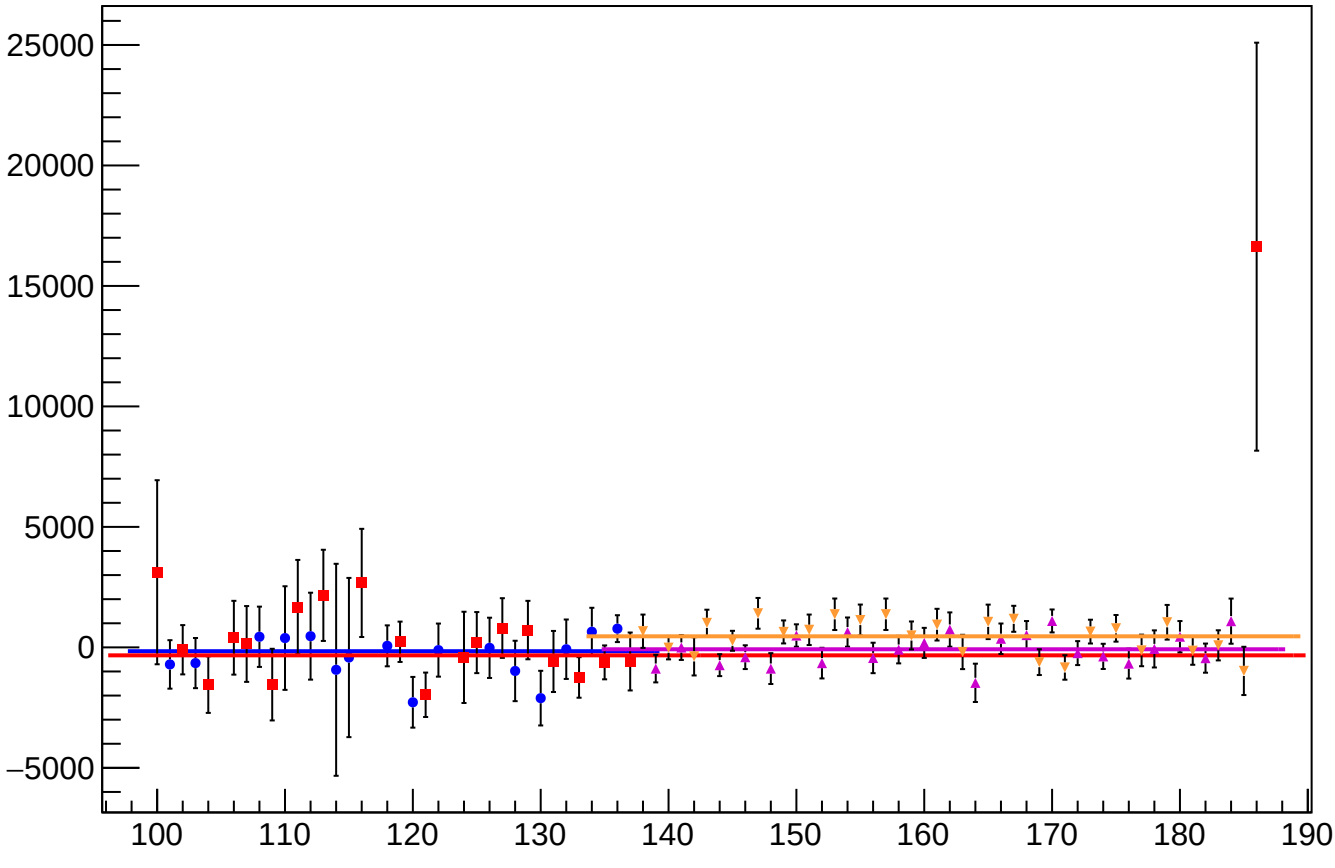
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 117.077+/-0.022 χ^2/NDF: 1424212.4/35

In: 102.299+/-0.015 χ^2/NDF:1728408.2/38

Out: 103.236+/-0.014 χ^2/NDF:2416150.5/44

All: 102.777+/-0.010 χ^2/NDF: 4146643.4/83



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

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

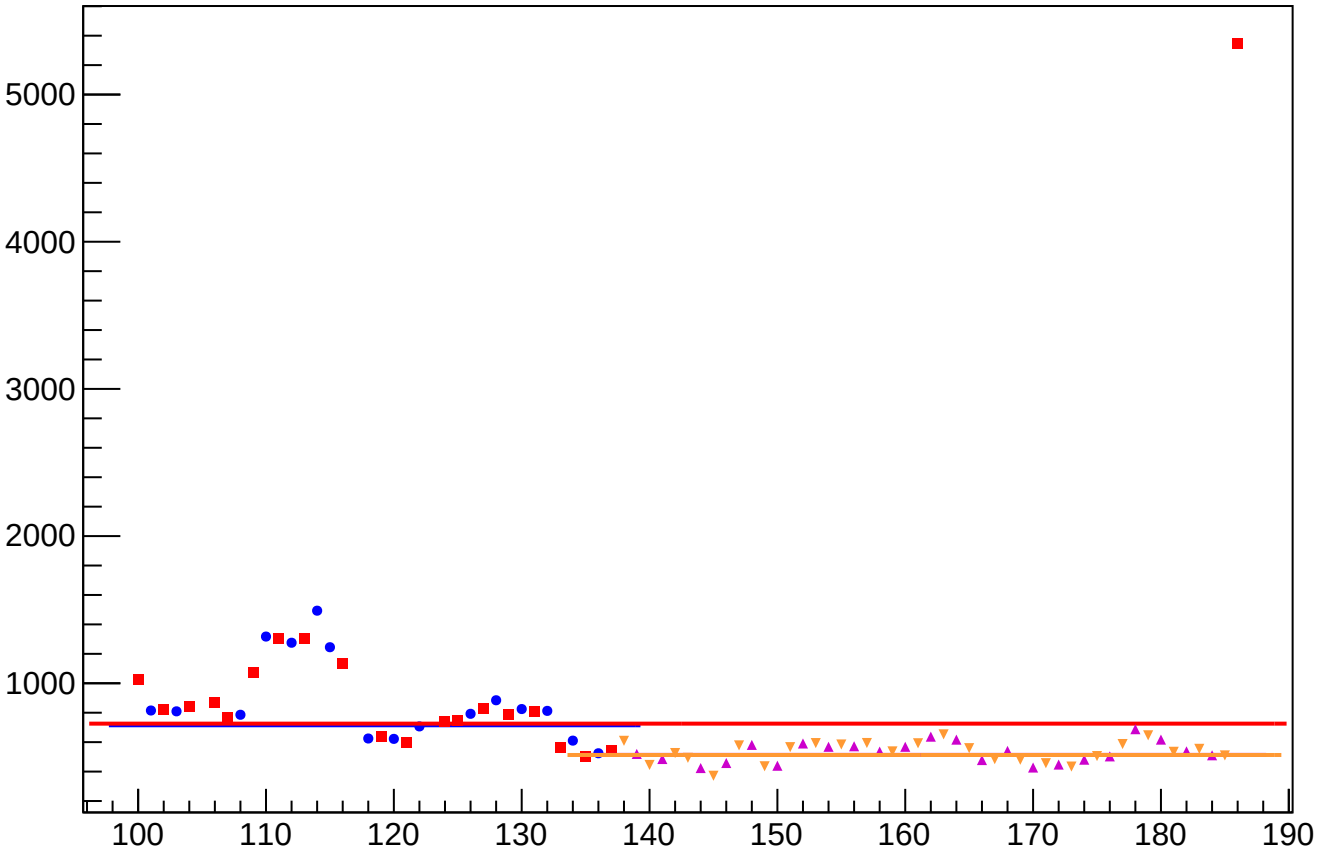
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -245.310+/-193.750 χ^2/NDF: 30.5/35

In: -91.933+/-111.058 χ^2/NDF:38.3/38

Out: 334.898+/-108.429 χ^2/NDF:56.1/44

All: 126.594+/-77.584 χ^2/NDF: 102.0/83



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

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

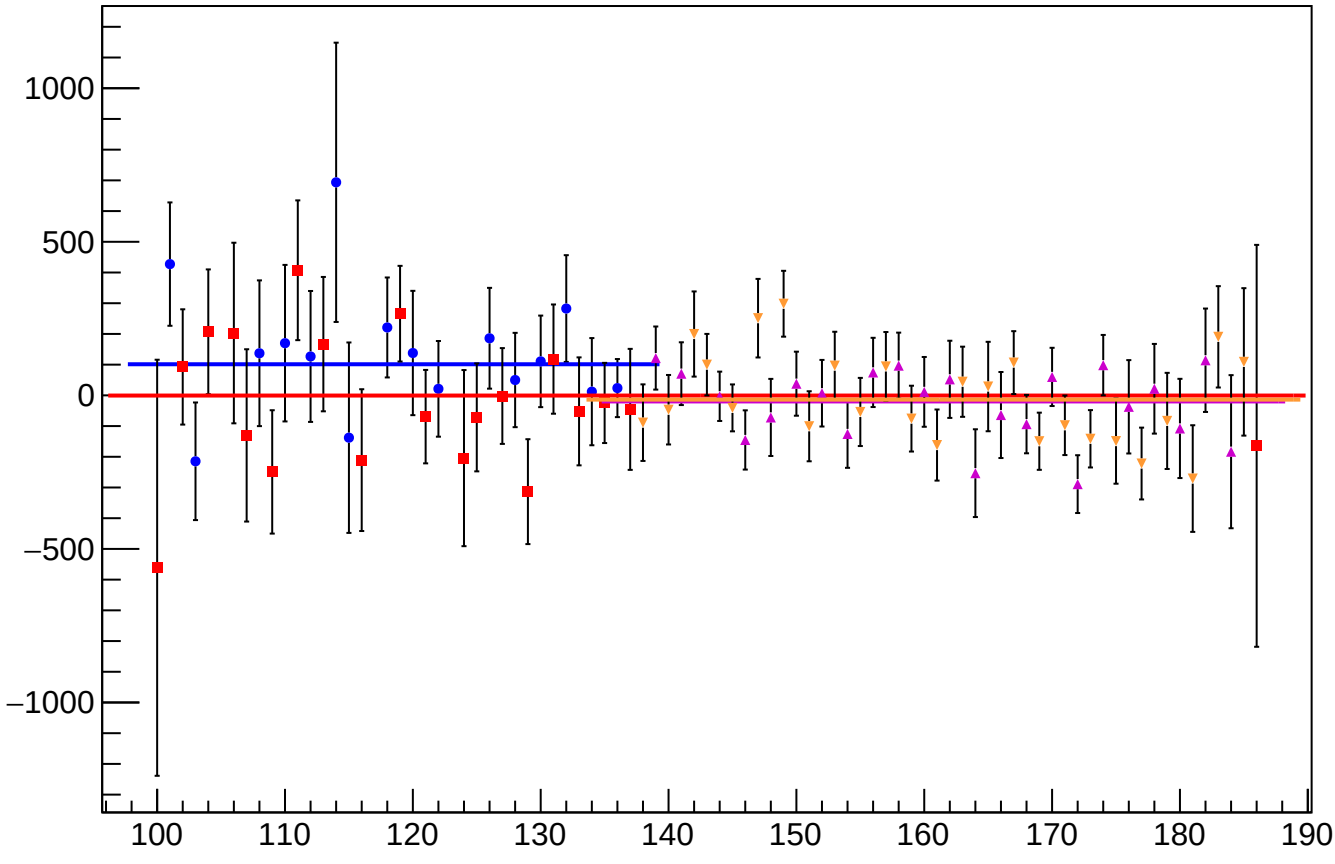
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 720.210+/-0.137 χ^2/NDF: 2492652.8/35

In: 546.310+/-0.079 χ^2/NDF:2409338.6/38

Out: 546.249+/-0.077 χ^2/NDF:3436161.2/44

All: 546.279+/-0.055 χ^2/NDF: 5845500.1/83



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

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

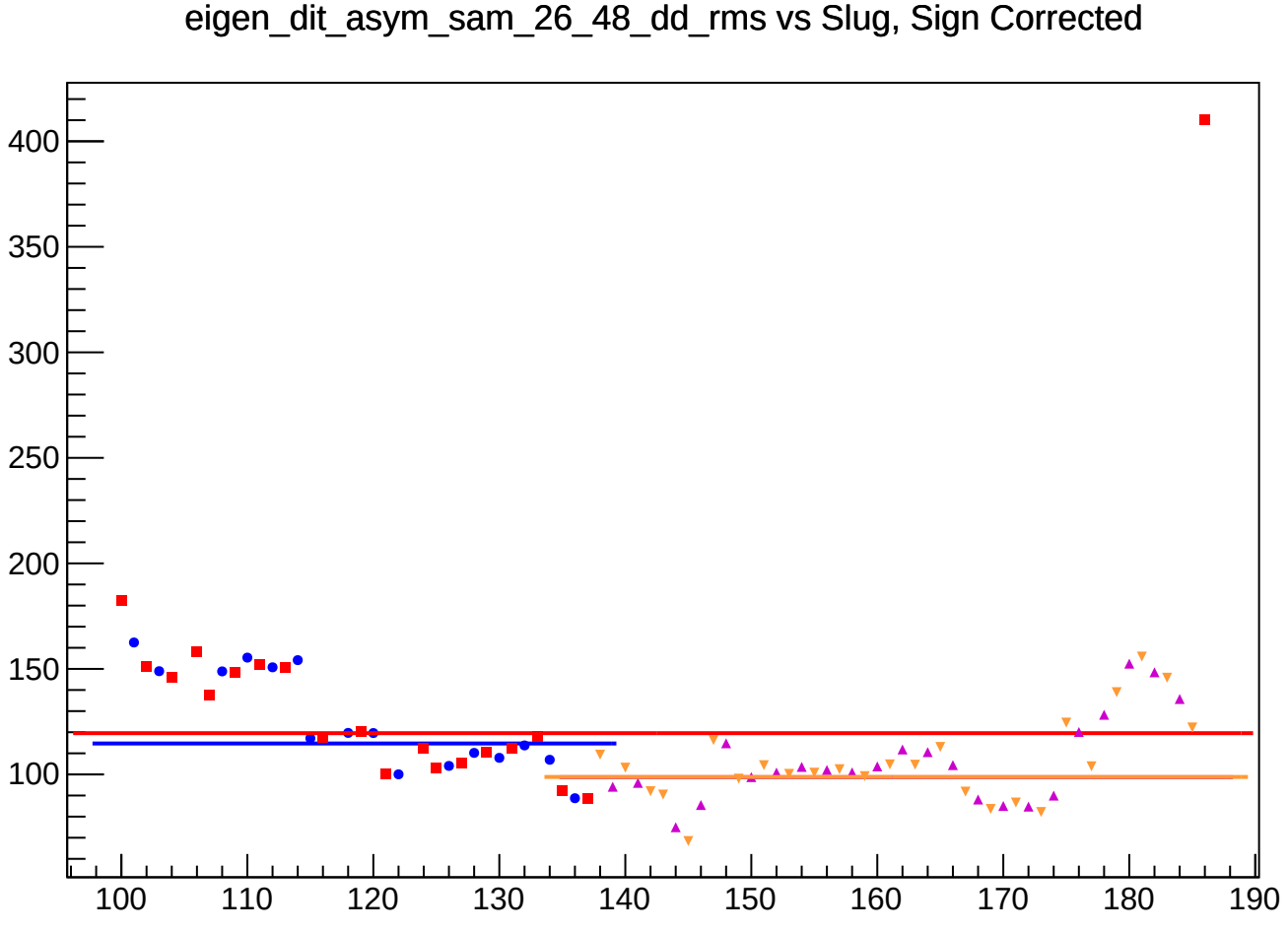
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 50.827+/-30.915 χ^2/NDF: 30.4/35

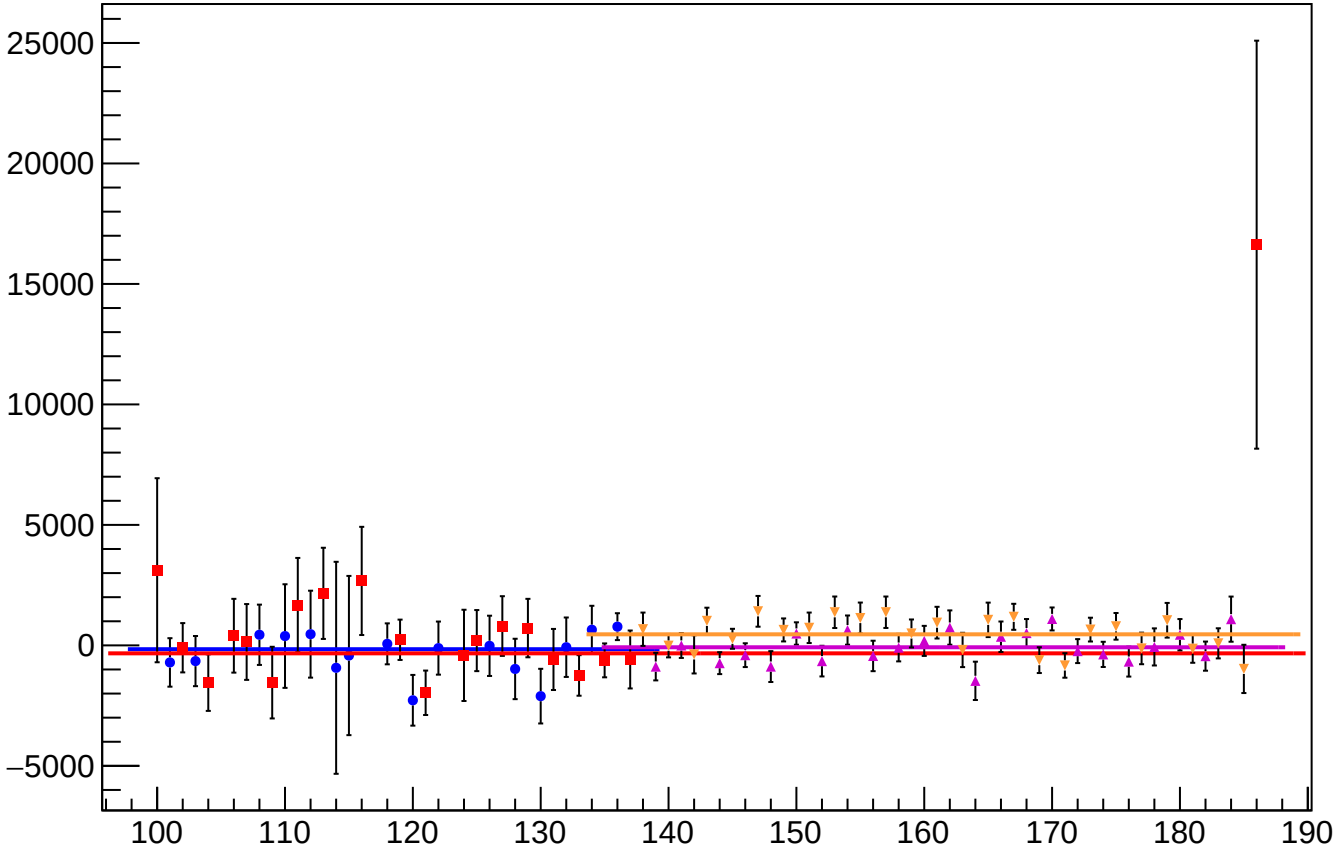
In: 7.668+/-20.725 χ^2/NDF:40.3/38

Out: -11.064+/-20.318 χ^2/NDF:53.1/44

All: -1.884+/-14.509 χ^2/NDF: 93.8/83


eigen_dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
180
190
Right In: 114.655+/-0.031 χ²/NDF: 531962.9/15
Left Out: 98.799+/-0.016 χ²/NDF:1185809.9/24
Right Out: 119.547+/-0.031 χ²/NDF: 879705.4/19
Left In: 98.673+/-0.017 χ²/NDF:987808.4/22
Left: 98.737+/-0.012 χ²/NDF: 2173647.6/47
Right: 117.077+/-0.022 χ²/NDF: 1424186.4/35
In: 102.299+/-0.015 χ²/NDF:1728390.5/38
Out: 103.236+/-0.014 χ²/NDF:2416144.5/44
All: 102.777+/-0.010 χ²/NDF: 4146619.4/83

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 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

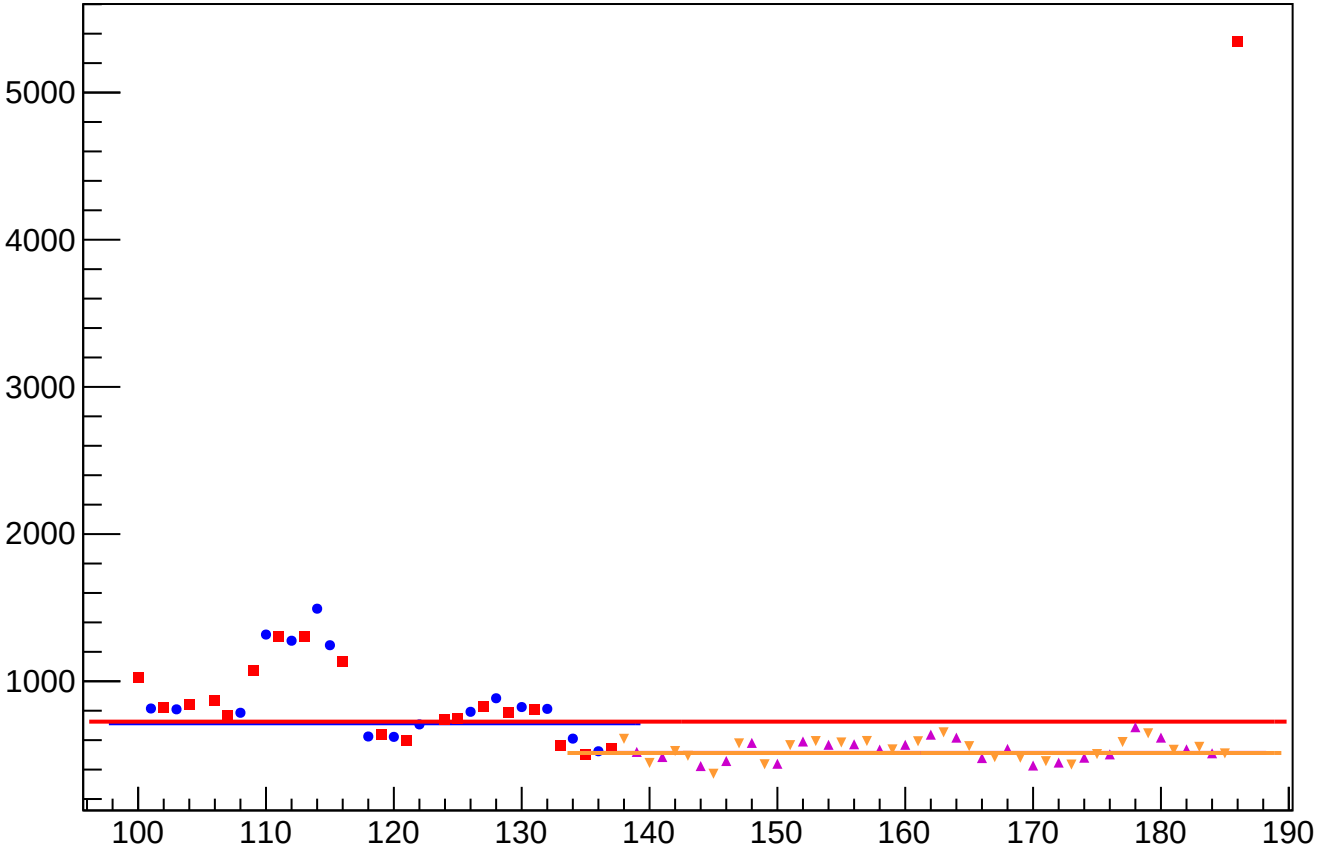
Right: -245.311+/-193.750 χ^2/NDF: 30.5/35

In: -91.933+/-111.058 χ^2/NDF:38.3/38

Out: 334.896+/-108.429 χ^2/NDF:56.1/44

All: 126.594+/-77.584 χ^2/NDF: 102.0/83

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 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

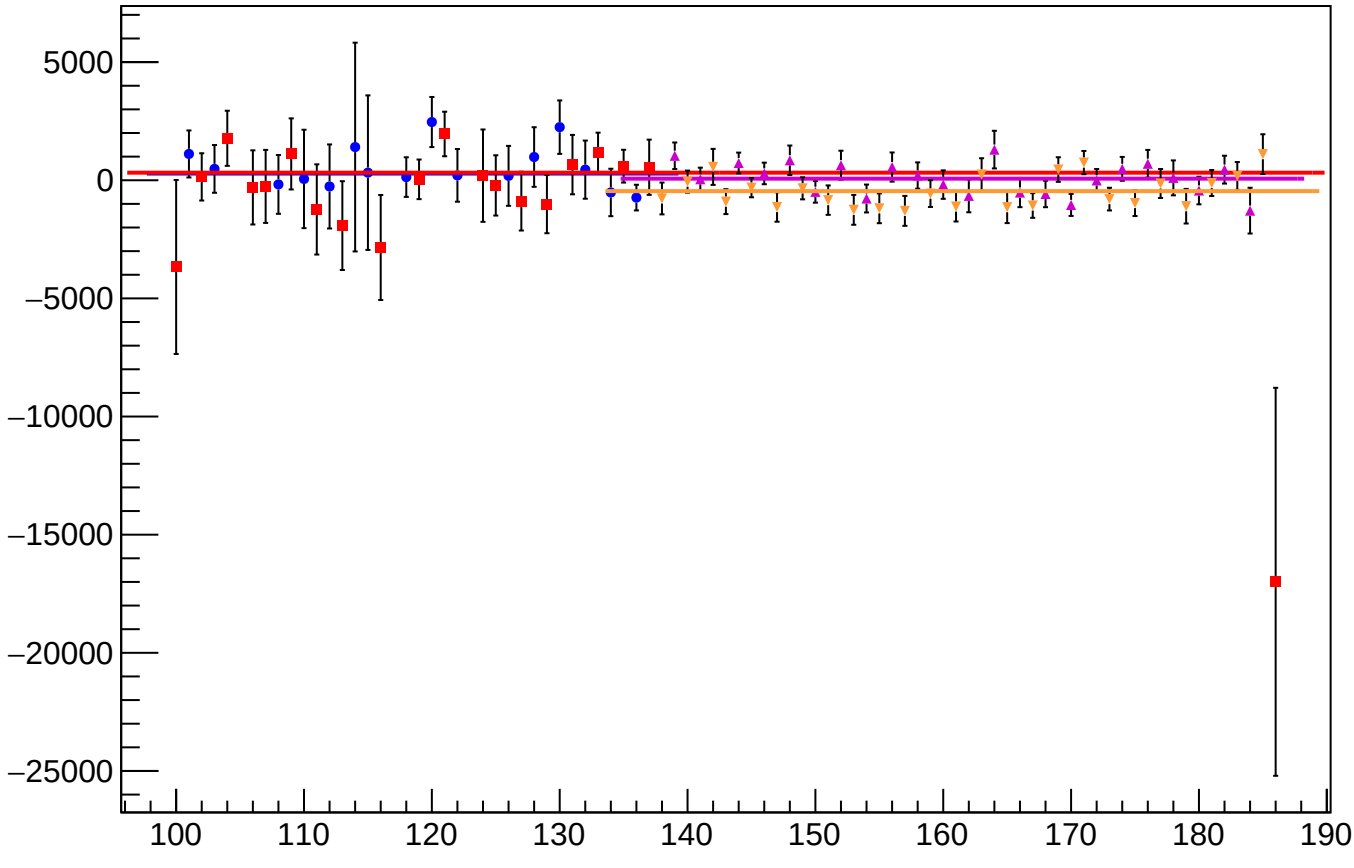
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 720.210+/-0.137 χ^2/NDF: 2492640.3/35

In: 546.310+/-0.079 χ^2/NDF:2409332.7/38

Out: 546.249+/-0.077 χ^2/NDF:3436155.1/44

All: 546.278+/-0.055 χ^2/NDF: 5845488.0/83



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

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

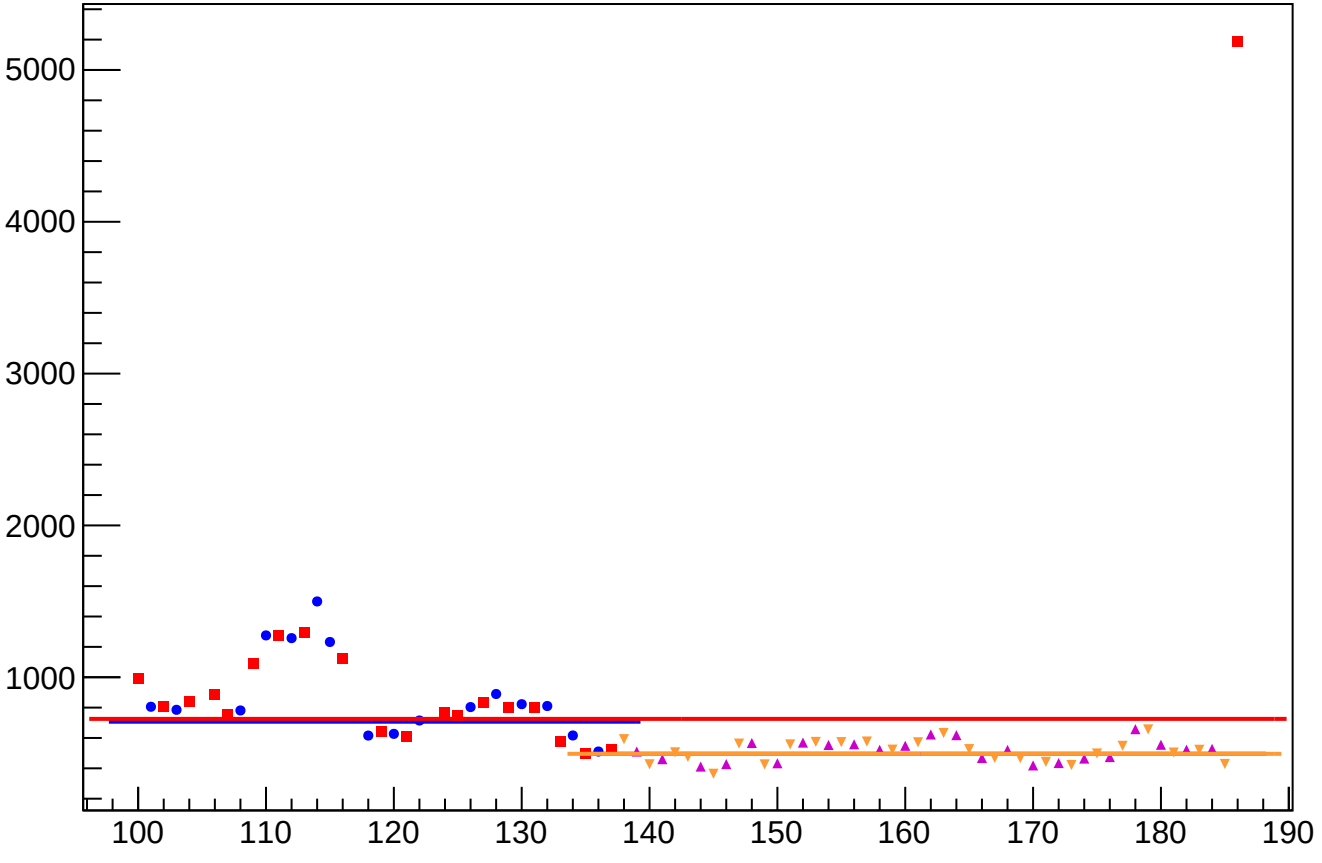
Right: 302.686+/-192.824 χ^2/NDF: 31.3/35

In: 102.074+/-107.759 χ^2/NDF:41.9/38

Out: -343.871+/-105.405 χ^2/NDF:56.3/44

All: -125.821+/-75.351 χ^2/NDF: 107.0/83

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

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

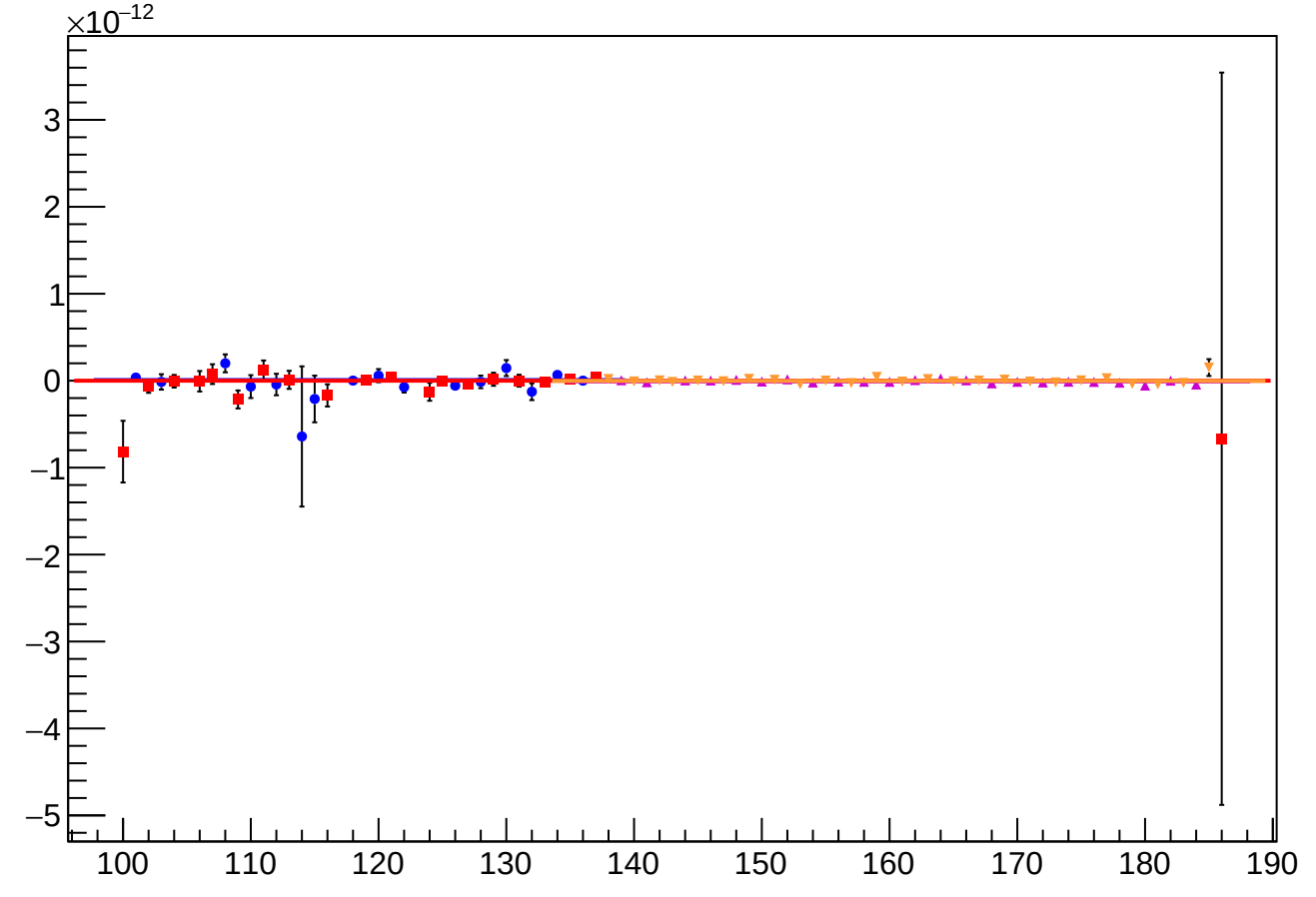
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 716.420+/-0.136 χ^2/NDF: 2507763.1/35

In: 529.422+/-0.076 χ^2/NDF:2533077.4/38

Out: 529.721+/-0.075 χ^2/NDF:3618086.1/44

All: 529.575+/-0.053 χ^2/NDF: 6151171.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

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

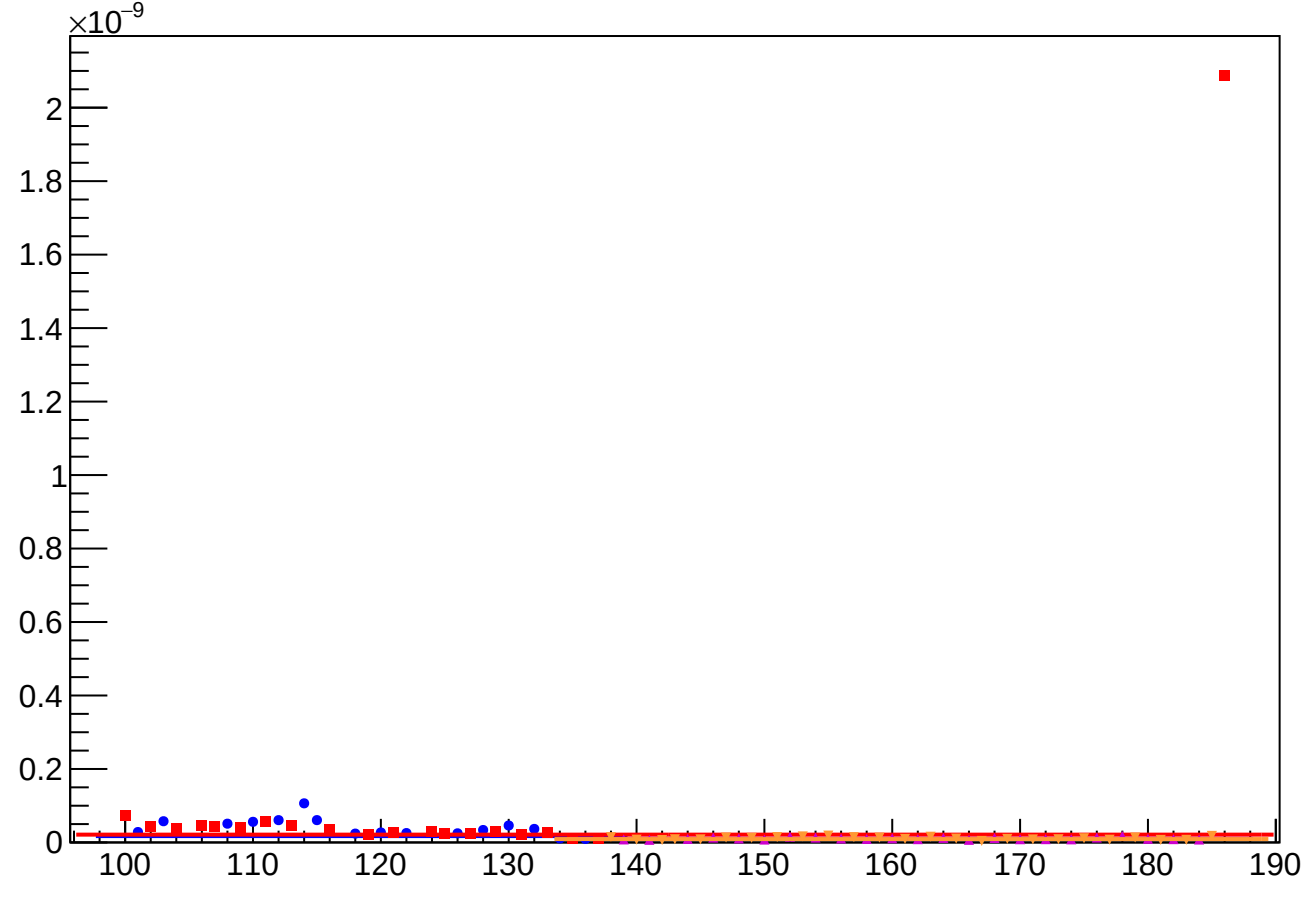
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: 0.000+/-0.000 χ^2/NDF: 35.3/35

In: -0.000+/-0.000 χ^2/NDF:34.4/38

Out: -0.000+/-0.000 χ^2/NDF:43.0/44

All: -0.000+/-0.000 χ^2/NDF: 78.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

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

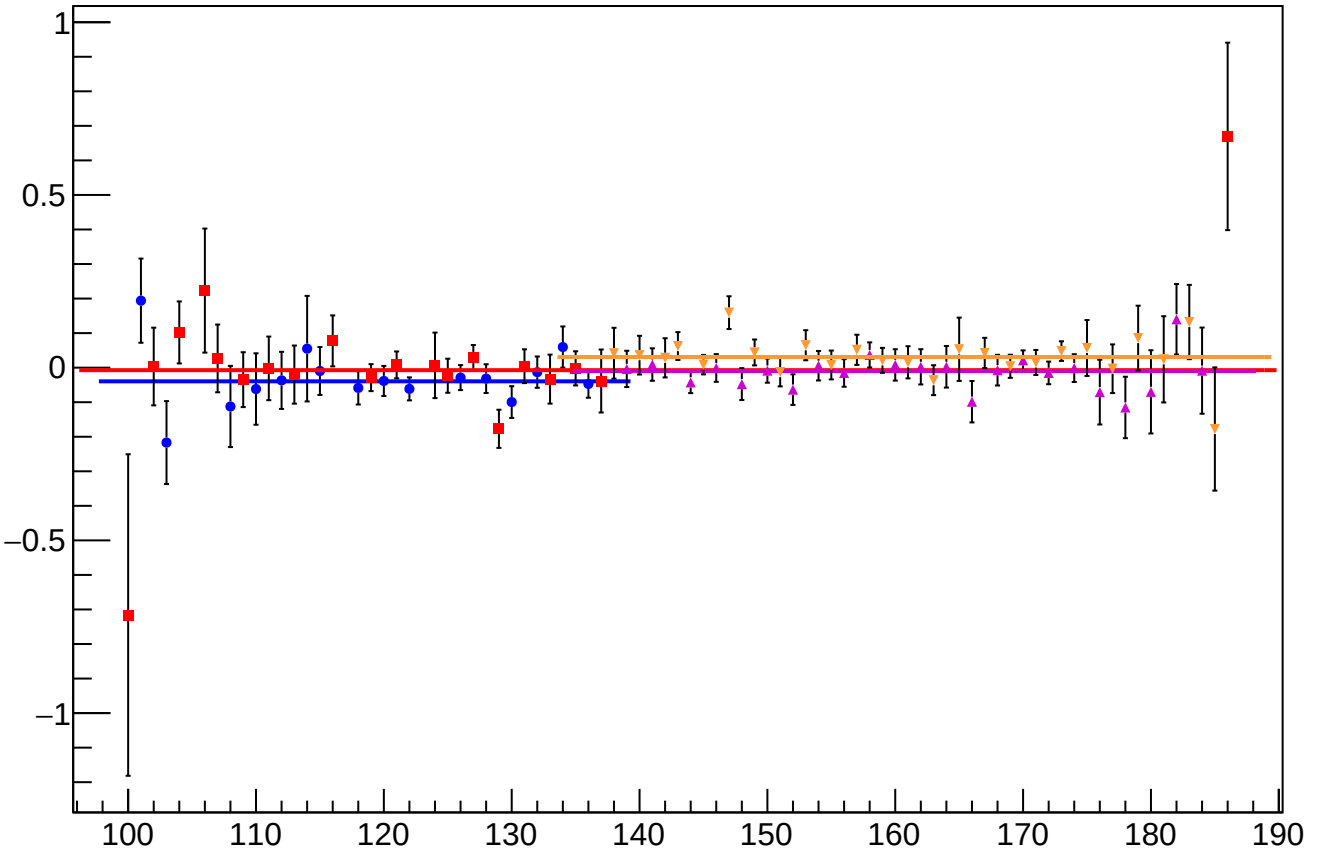
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4621900.7/35

In: 0.000+/-0.000 χ^2/NDF:3769984.3/38

Out: 0.000+/-0.000 χ^2/NDF:5495752.1/44

All: 0.000+/-0.000 χ^2/NDF: 9284640.6/83



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

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

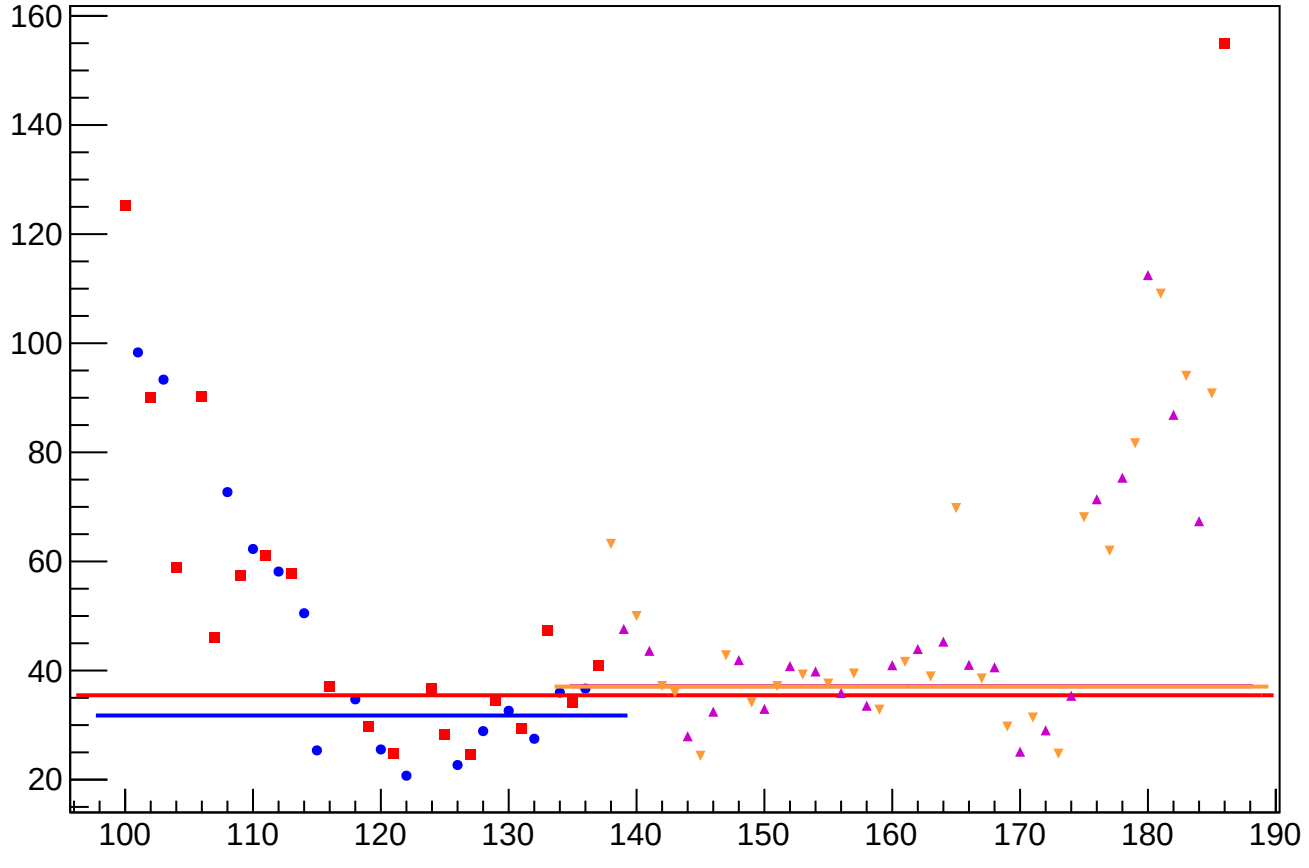
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.025+/-0.010 χ^2/NDF: 39.8/35

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 89.8/83



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

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

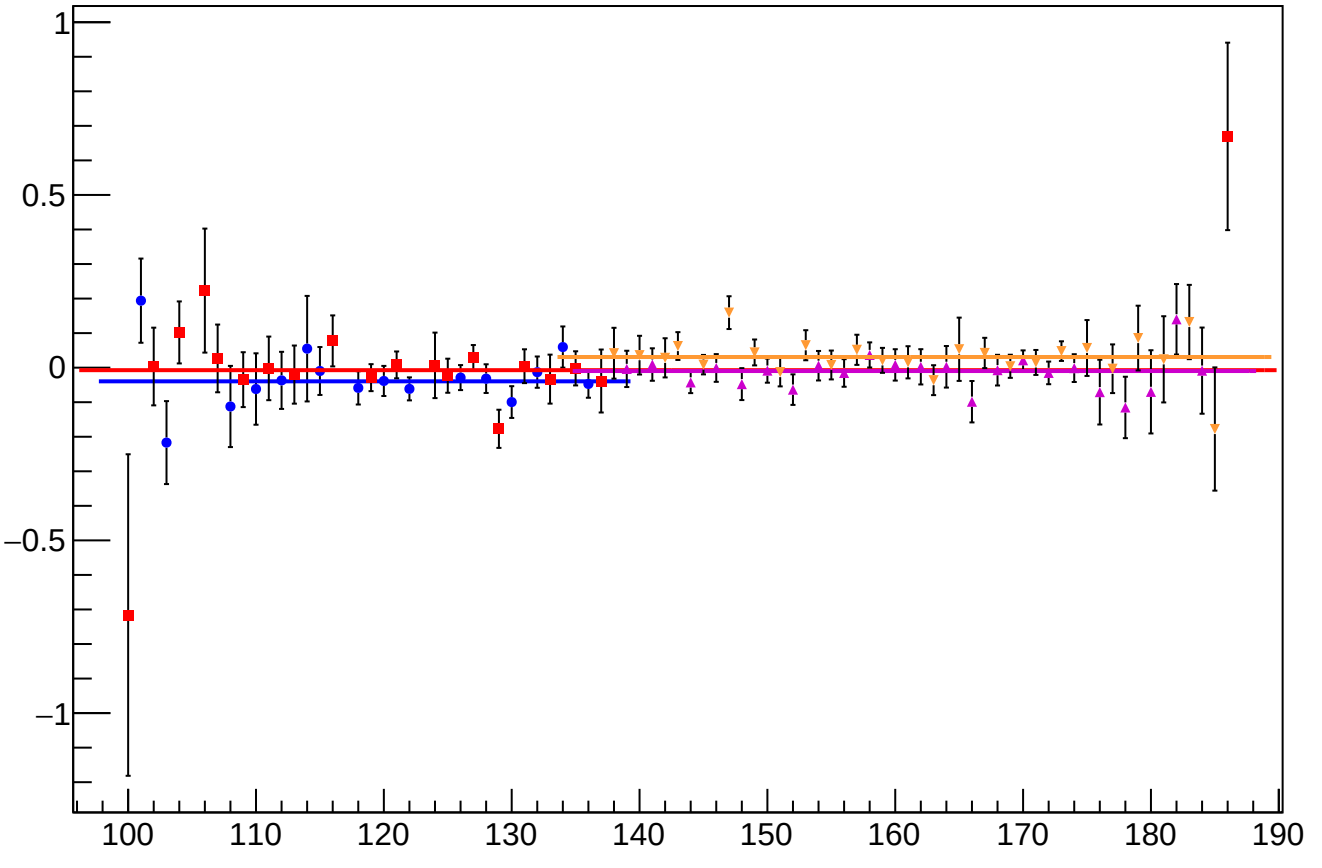
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 33.477+/-0.007 χ^2/NDF: 4559359.5/35

In: 35.319+/-0.005 χ^2/NDF:5486143.8/38

Out: 36.589+/-0.005 χ^2/NDF:6304857.4/44

All: 35.951+/-0.004 χ^2/NDF: 11818578.4/83



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

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

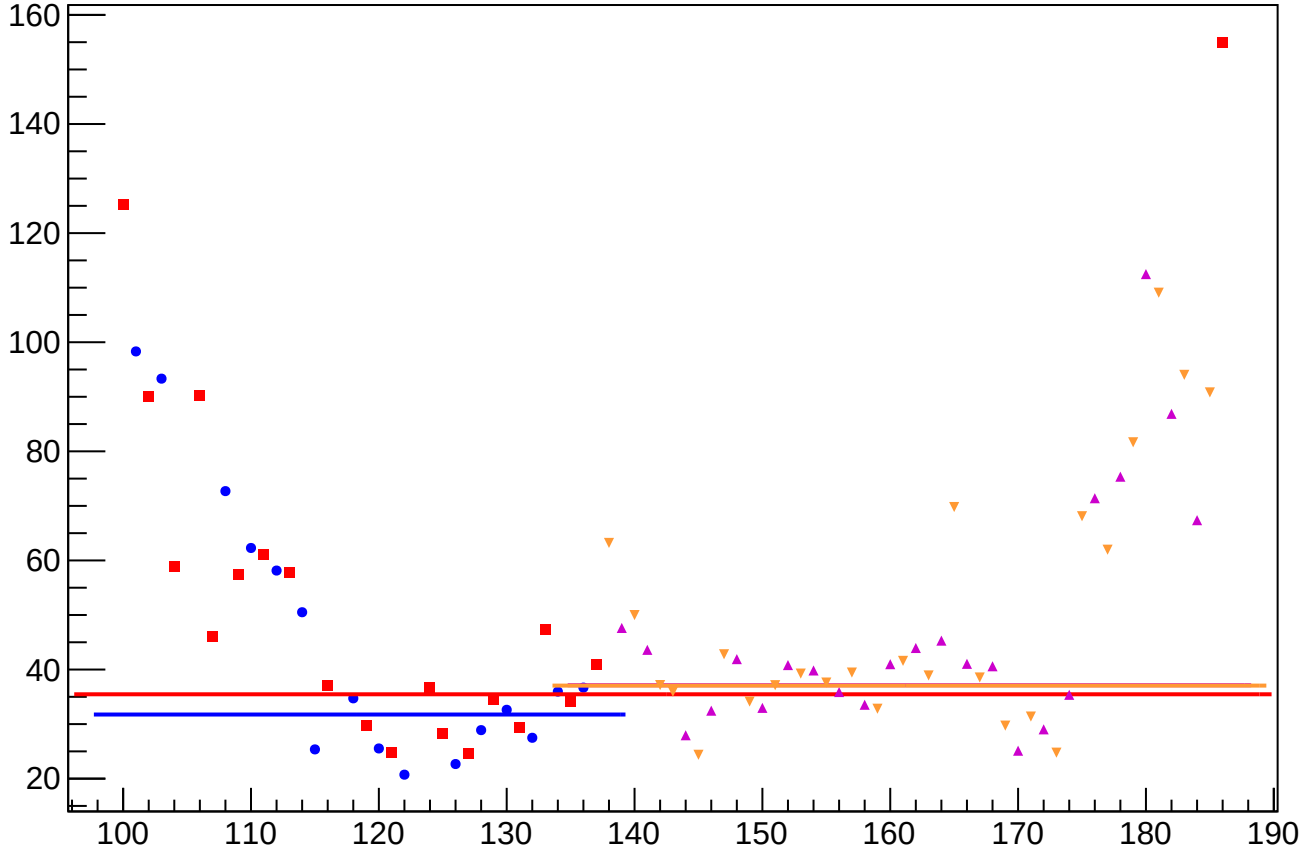
Right: -0.025+/-0.010 χ^2/NDF: 39.8/35

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 89.8/83

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 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

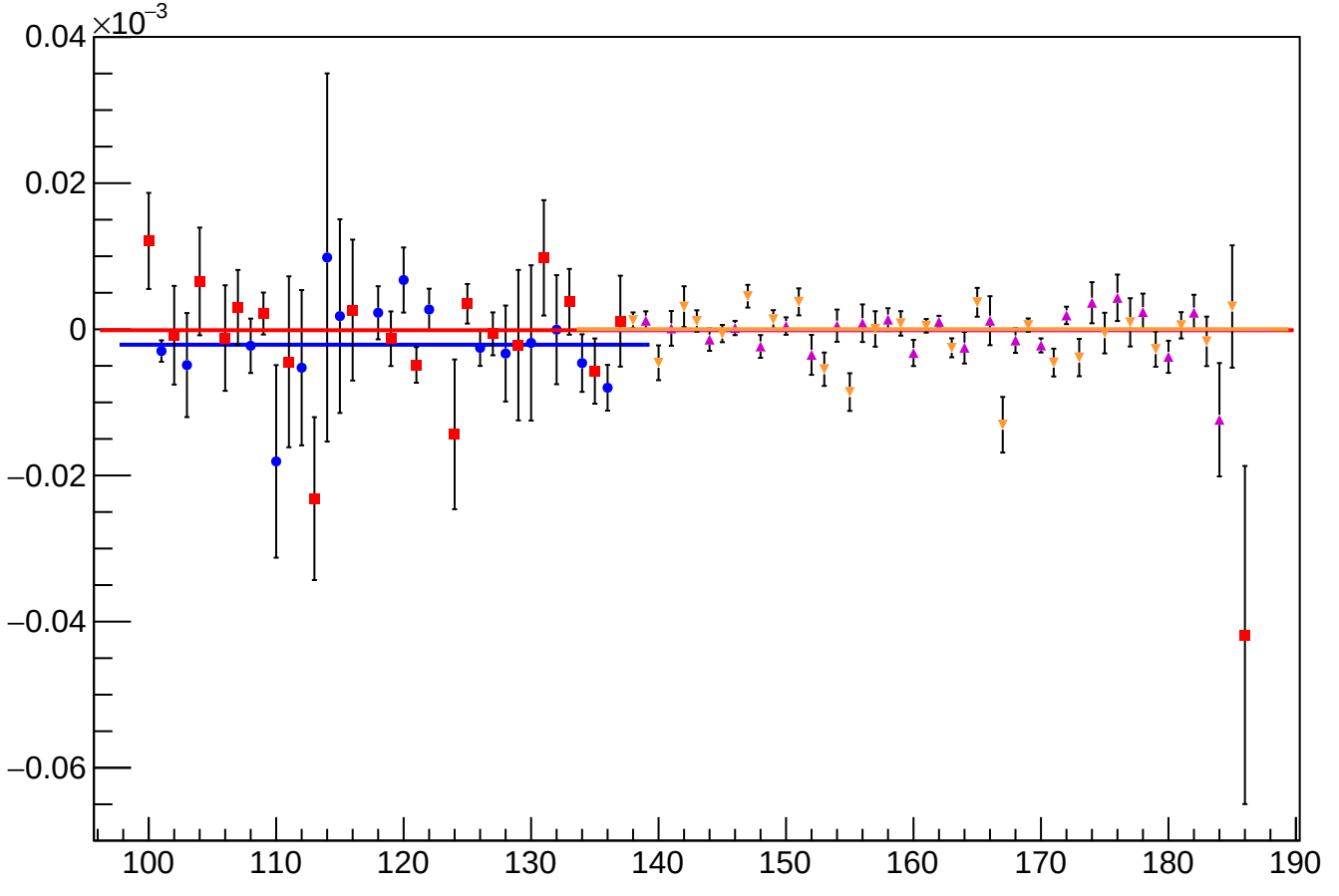
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 33.477+/-0.007 χ^2/NDF: 4559359.5/35

In: 35.319+/-0.005 χ^2/NDF:5486143.8/38

Out: 36.589+/-0.005 χ^2/NDF:6304857.4/44

All: 35.951+/-0.004 χ^2/NDF: 11818578.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

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

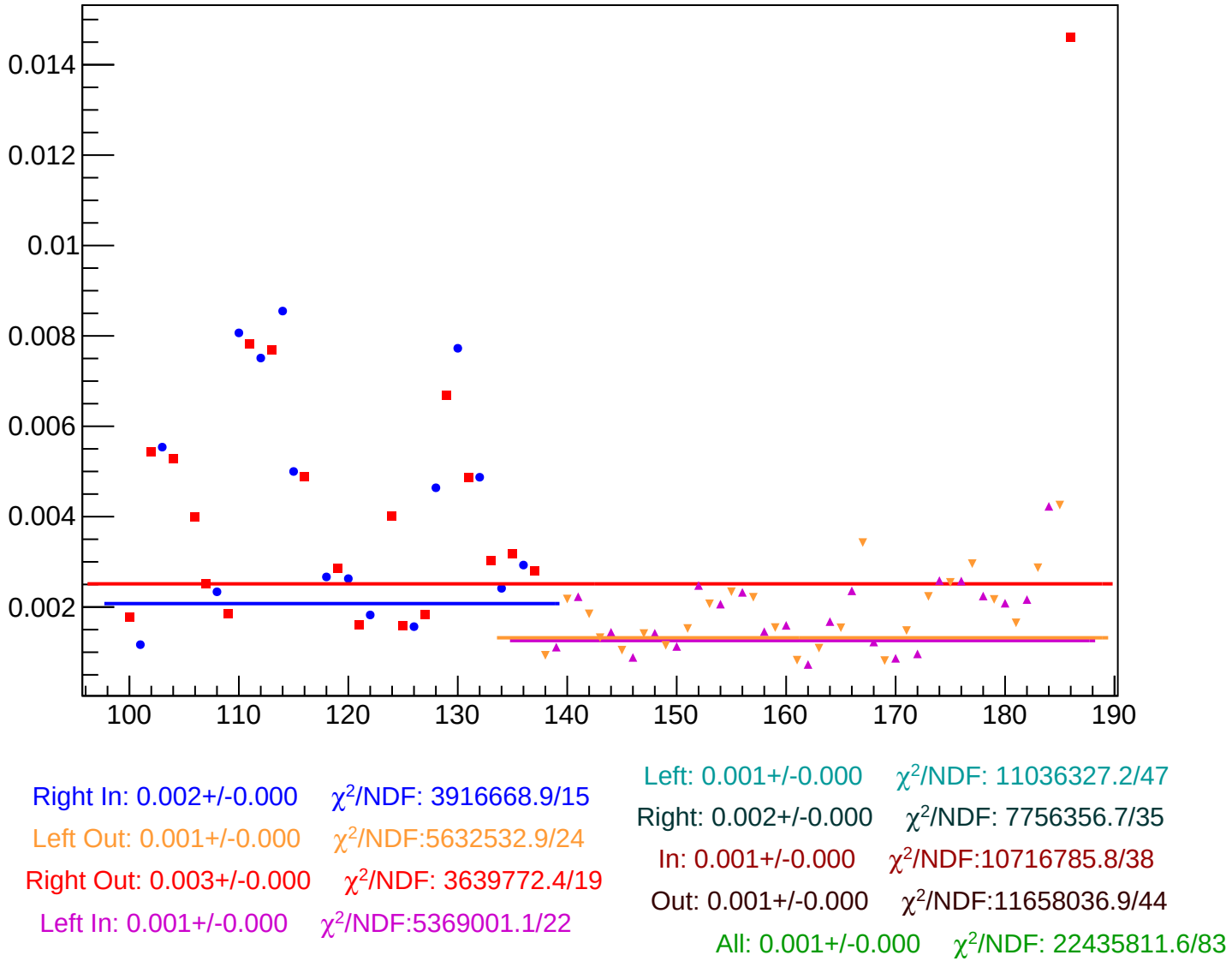
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.4/35

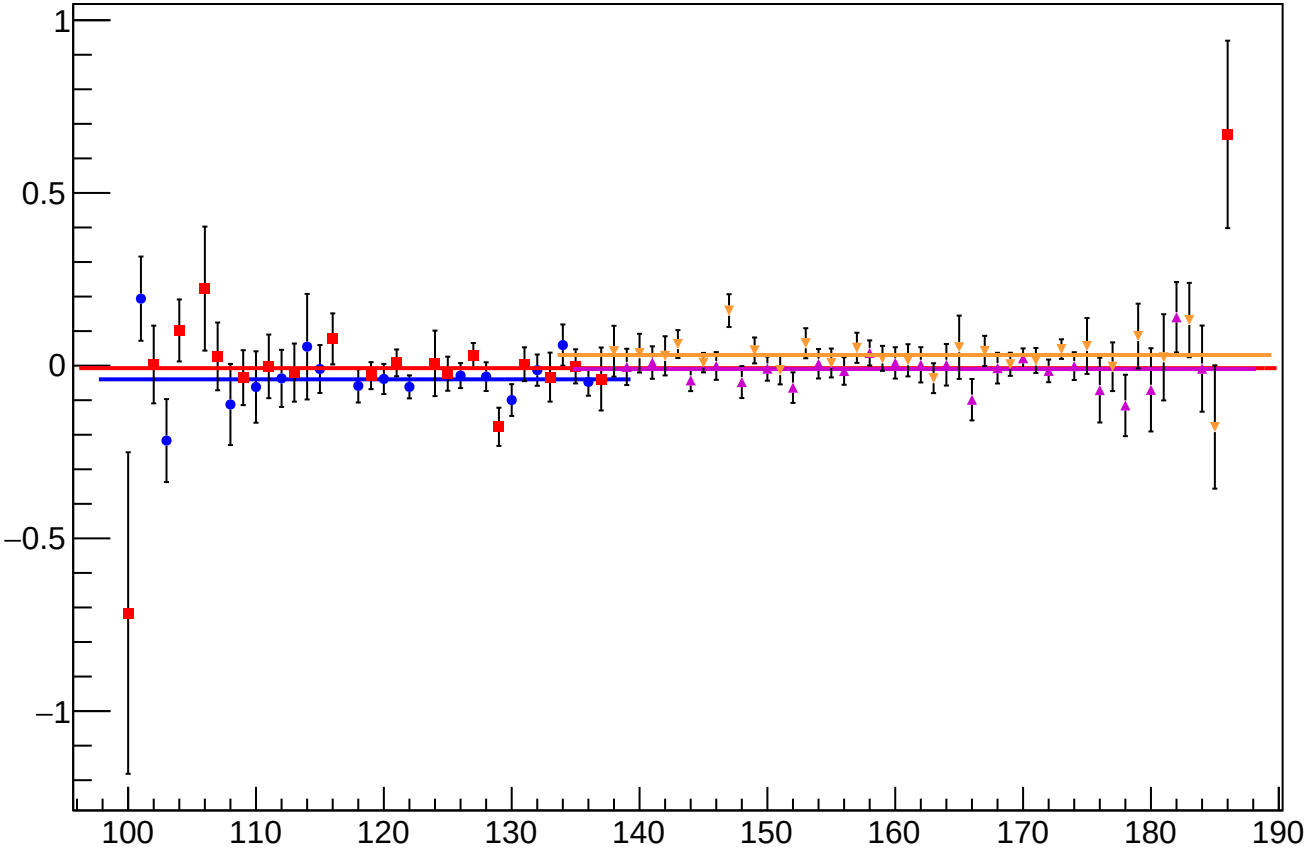
In: -0.000+/-0.000 χ^2/NDF:51.3/38

Out: 0.000+/-0.000 χ^2/NDF:92.3/44

All: -0.000+/-0.000 χ^2/NDF: 144.1/83


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: 3916668.9/15
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: 7756356.7/35
In: 0.001+/-0.000 χ²/NDF:10716785.8/38
Out: 0.001+/-0.000 χ²/NDF:11658036.9/44
All: 0.001+/-0.000 χ²/NDF: 22435811.6/83

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

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

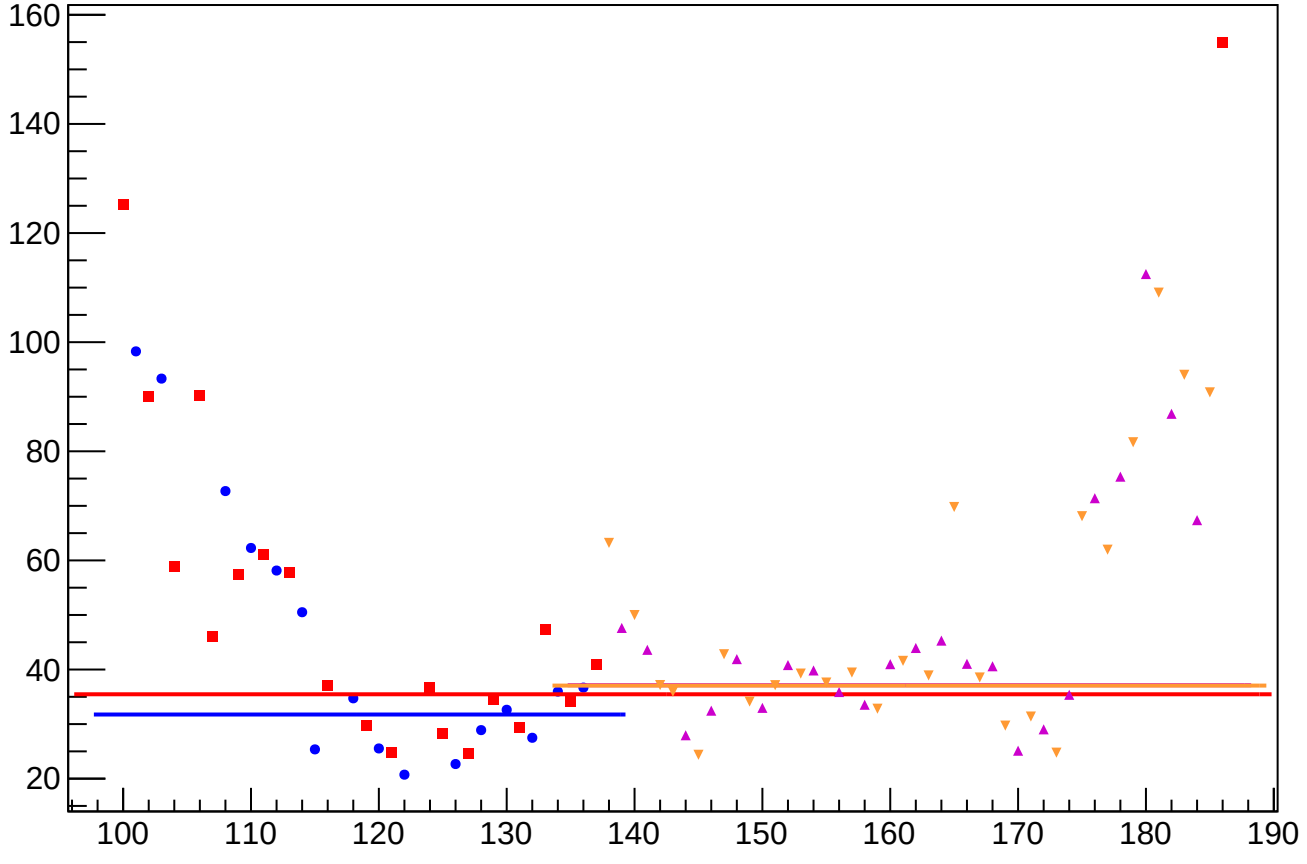
Right: -0.025+/-0.010 χ^2/NDF: 39.7/35

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 89.8/83

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 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

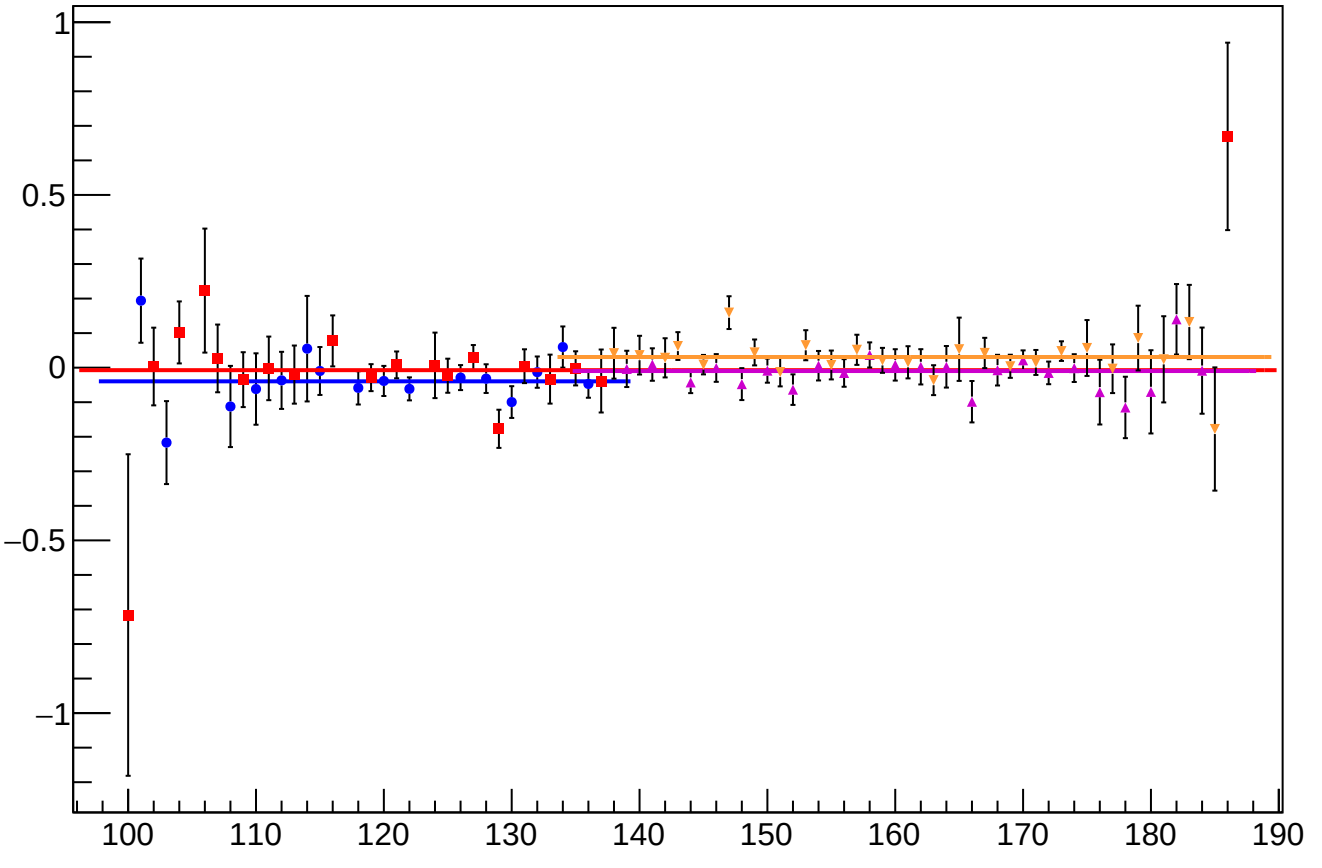
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 33.477+/-0.007 χ^2/NDF: 4559194.7/35

In: 35.319+/-0.005 χ^2/NDF:5486053.9/38

Out: 36.590+/-0.005 χ^2/NDF:6304712.3/44

All: 35.951+/-0.004 χ^2/NDF: 11818344.0/83



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

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

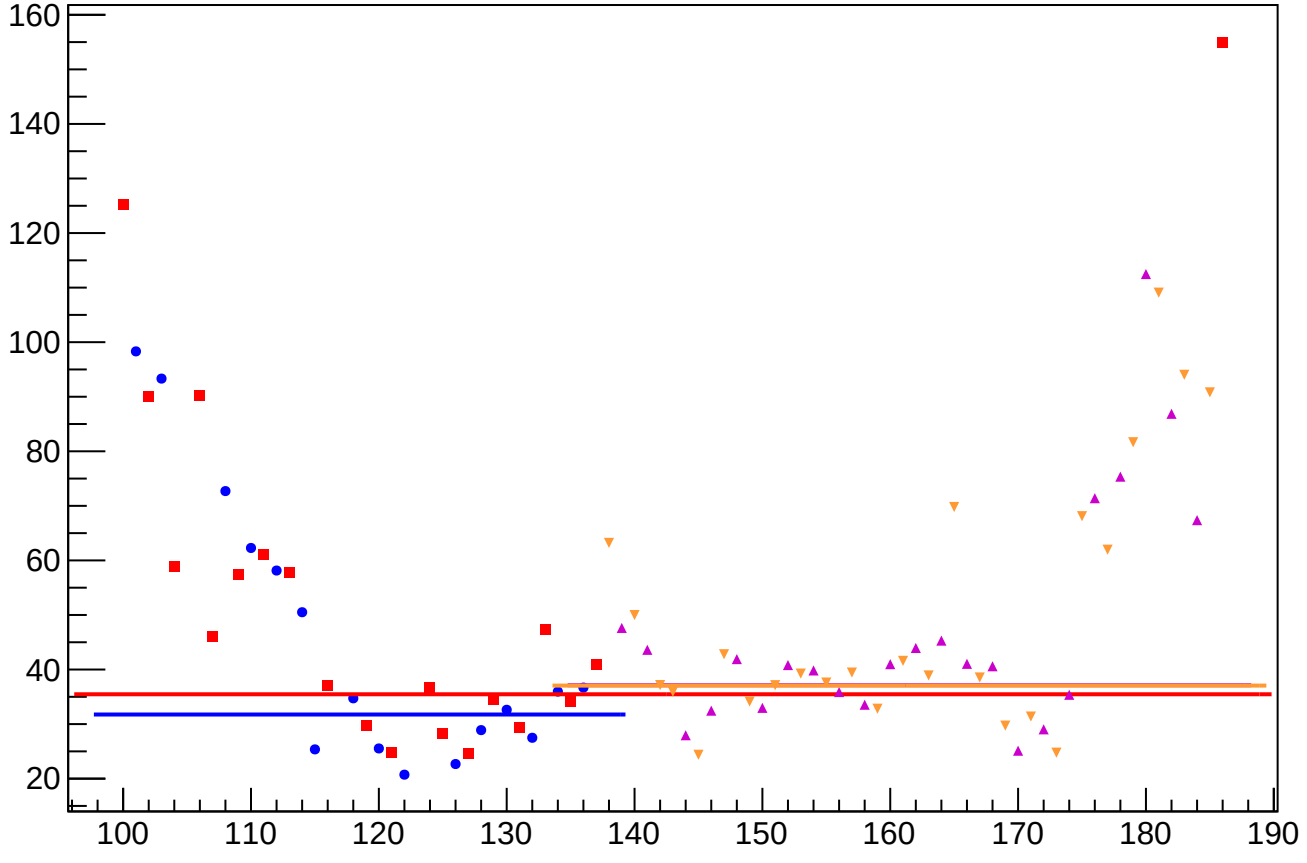
Right: -0.025+/-0.010 χ^2/NDF: 39.7/35

In: -0.020+/-0.008 χ^2/NDF:29.1/38

Out: 0.020+/-0.008 χ^2/NDF:47.5/44

All: -0.000+/-0.005 χ^2/NDF: 89.8/83

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 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

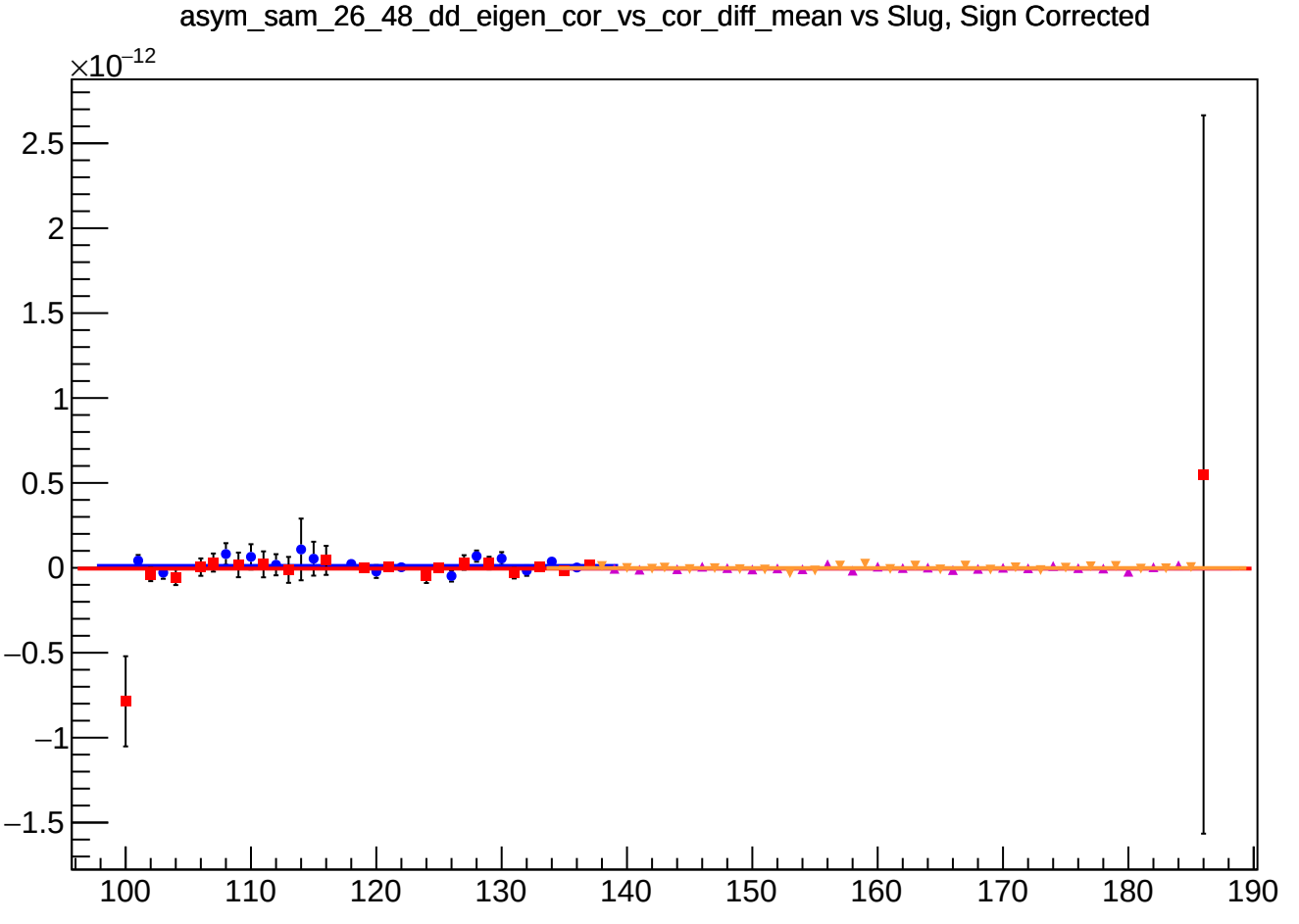
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 33.477+/-0.007 χ^2/NDF: 4559194.7/35

In: 35.319+/-0.005 χ^2/NDF:5486053.9/38

Out: 36.590+/-0.005 χ^2/NDF:6304712.3/44

All: 35.951+/-0.004 χ^2/NDF: 11818344.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/19

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

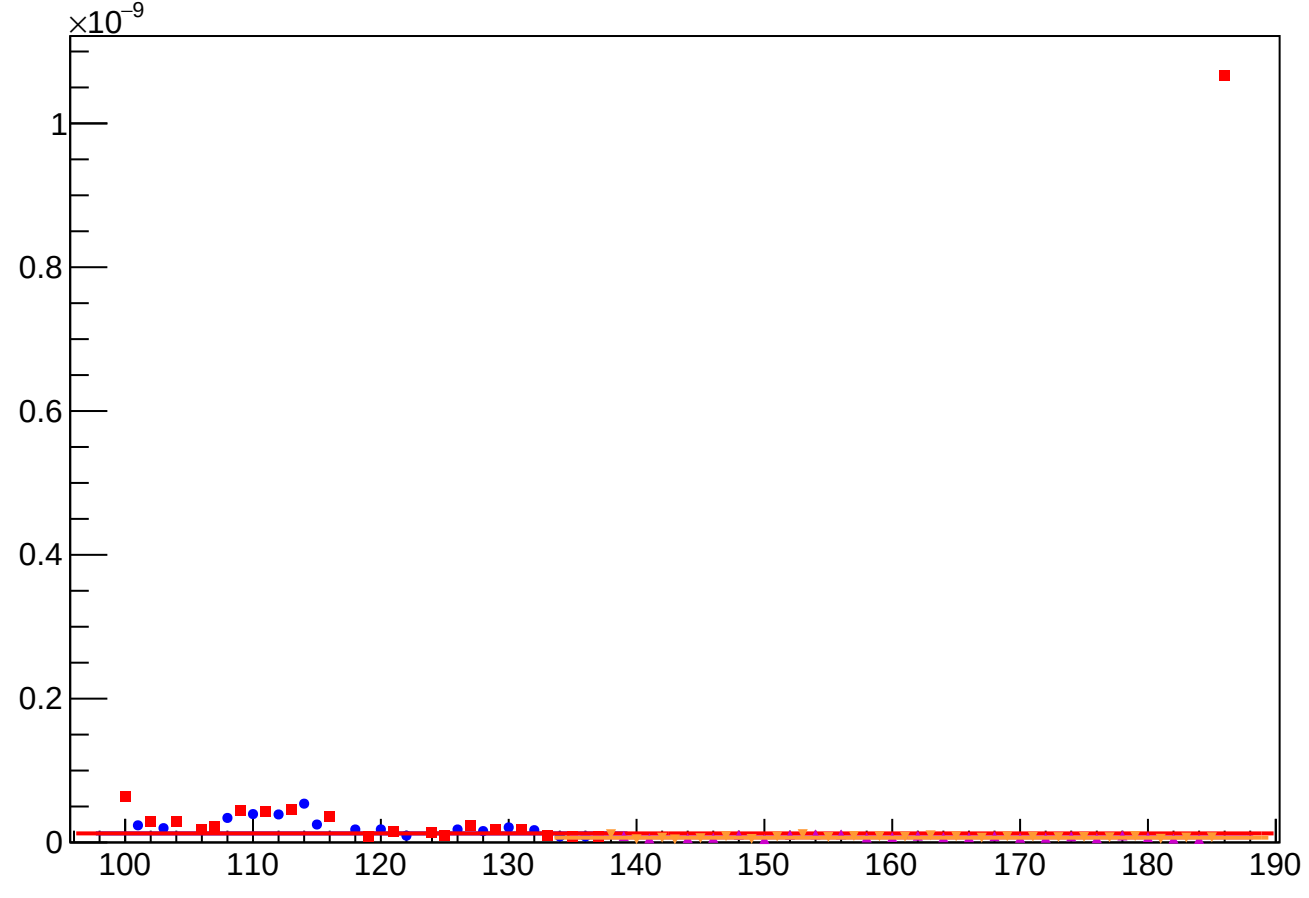
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 37.3/35

In: -0.000+/-0.000 χ^2/NDF:42.0/38

Out: -0.000+/-0.000 χ^2/NDF:43.7/44

All: -0.000+/-0.000 χ^2/NDF: 85.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

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

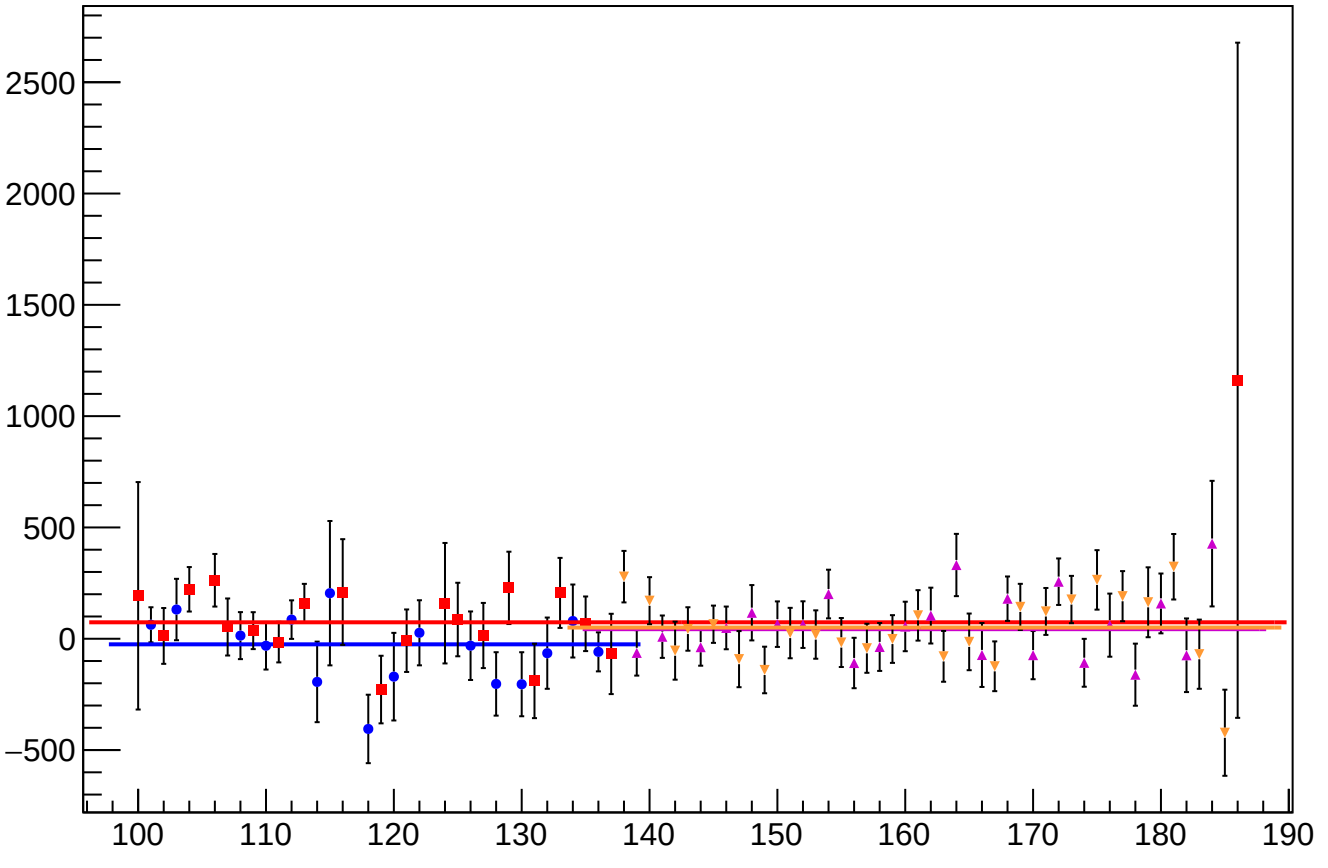
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5409387.9/35

In: 0.000+/-0.000 χ^2/NDF:4906007.2/38

Out: 0.000+/-0.000 χ^2/NDF:6663066.3/44

All: 0.000+/-0.000 χ^2/NDF: 11628928.8/83



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

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

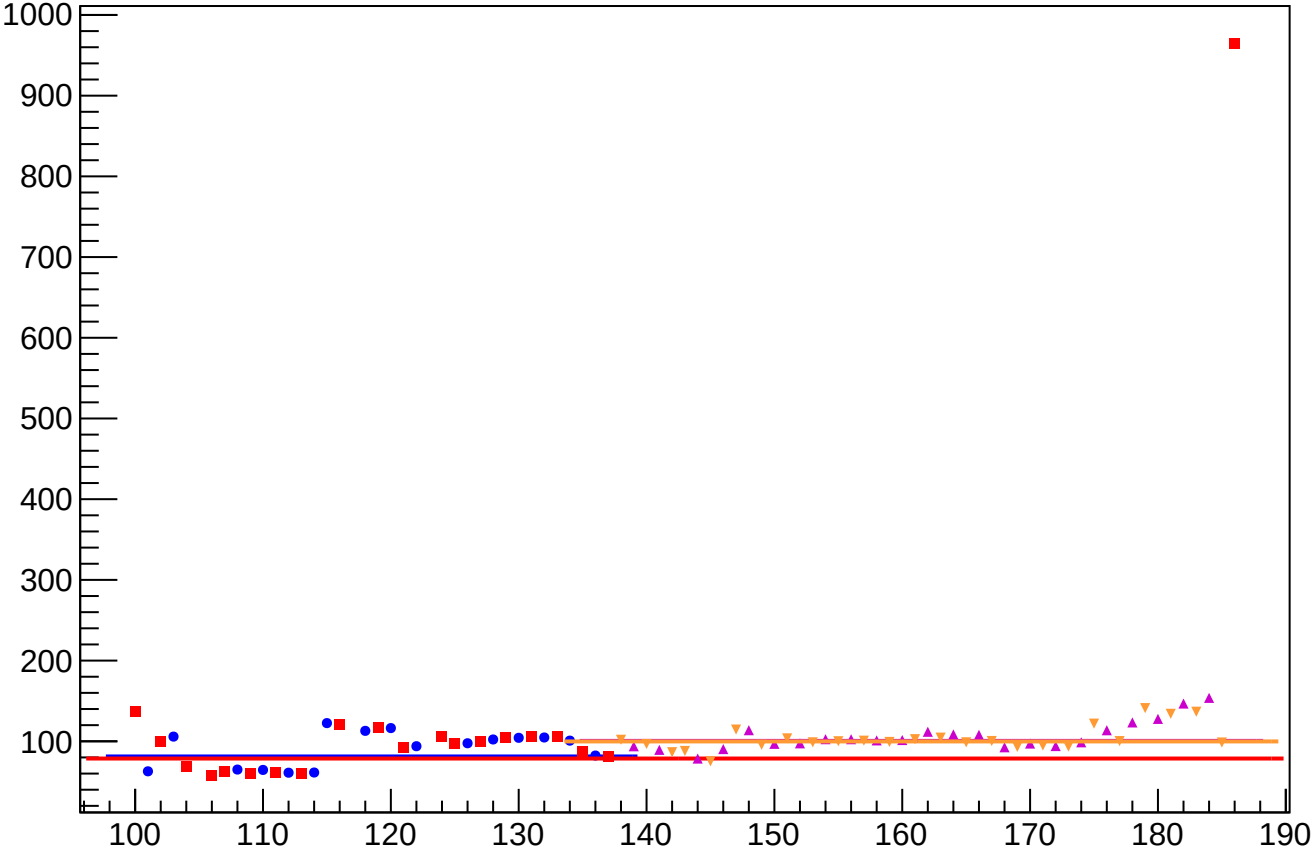
Right: 26.508+/-21.608 χ^2/NDF: 38.7/35

In: 18.062+/-18.909 χ^2/NDF:45.8/38

Out: 59.044+/-18.216 χ^2/NDF:51.2/44

All: 39.317+/-13.119 χ^2/NDF: 99.4/83

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 99.839+/-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

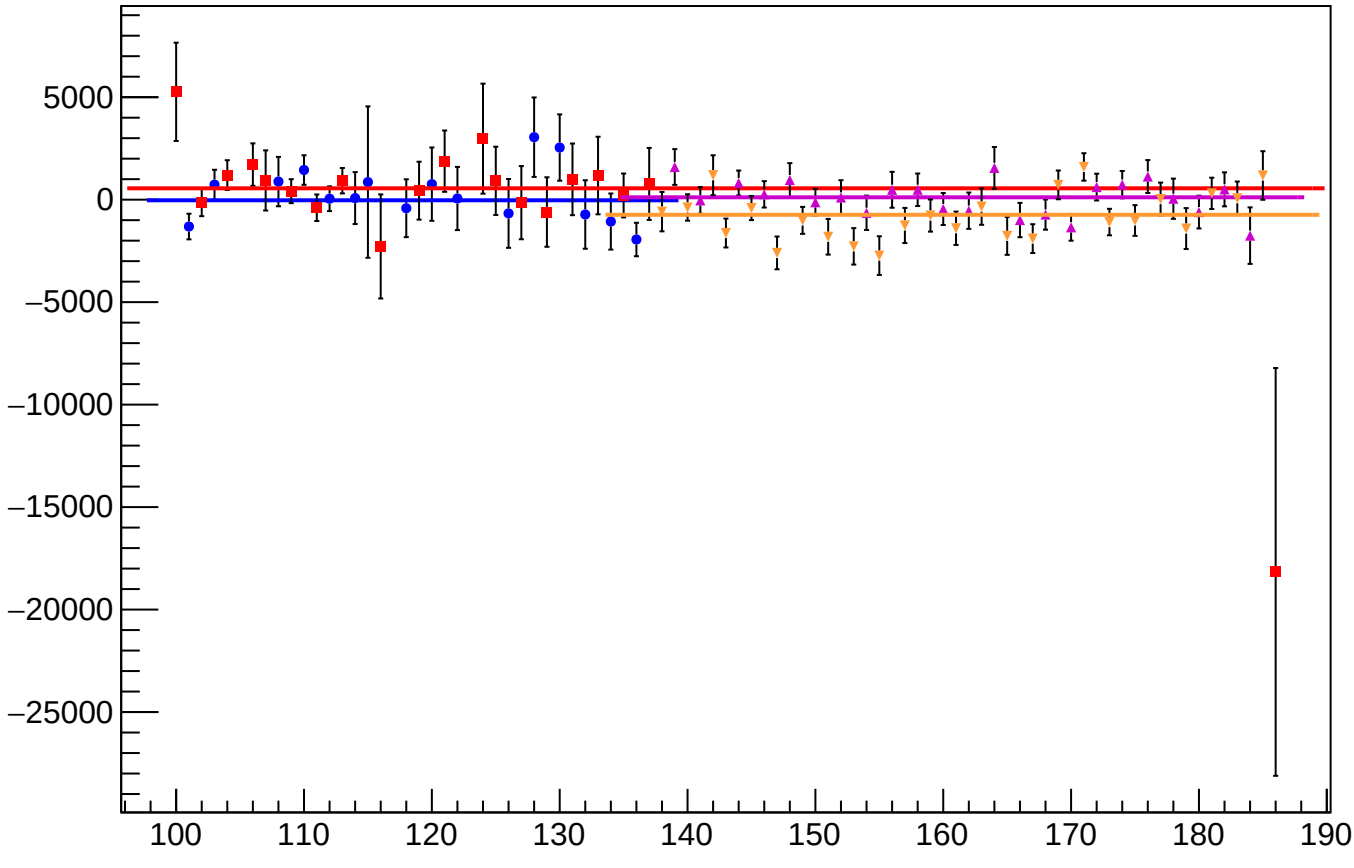
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 79.872+/-0.015 χ^2/NDF: 2412248.7/35

In: 93.427+/-0.013 χ^2/NDF:1927772.5/38

Out: 91.987+/-0.013 χ^2/NDF:2946817.1/44

All: 92.680+/-0.009 χ^2/NDF: 4880604.4/83



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

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

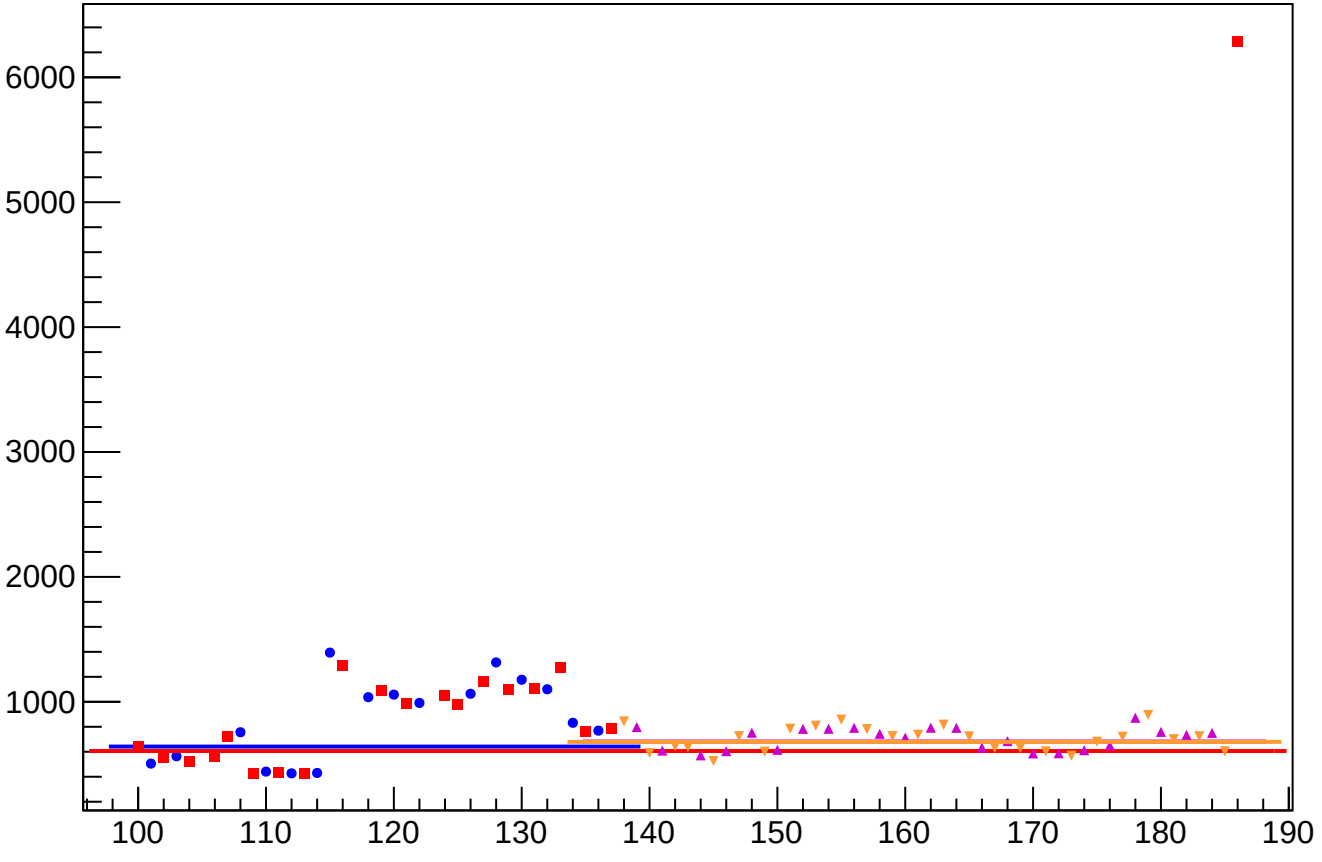
Right: 283.750+/-174.789 χ^2/NDF: 41.5/35

In: 74.481+/-136.432 χ^2/NDF:45.8/38

Out: -349.828+/-130.722 χ^2/NDF:87.1/44

All: -146.738+/-94.389 χ^2/NDF: 138.0/83

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 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

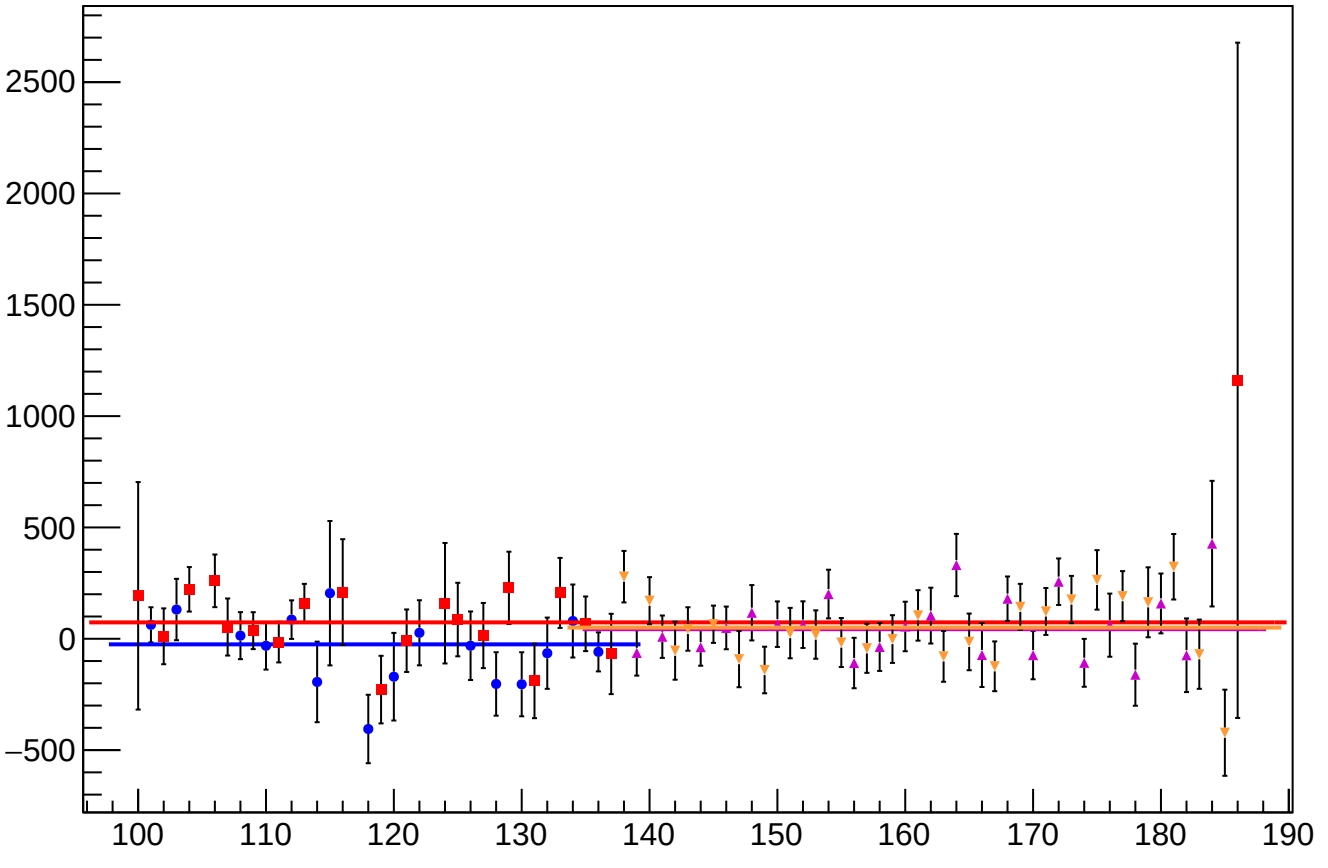
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 622.376+/-0.124 χ^2/NDF: 4618336.0/35

In: 670.509+/-0.096 χ^2/NDF:2484288.5/38

Out: 657.133+/-0.092 χ^2/NDF:3592112.1/44

All: 663.536+/-0.067 χ^2/NDF: 6086423.4/83



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

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

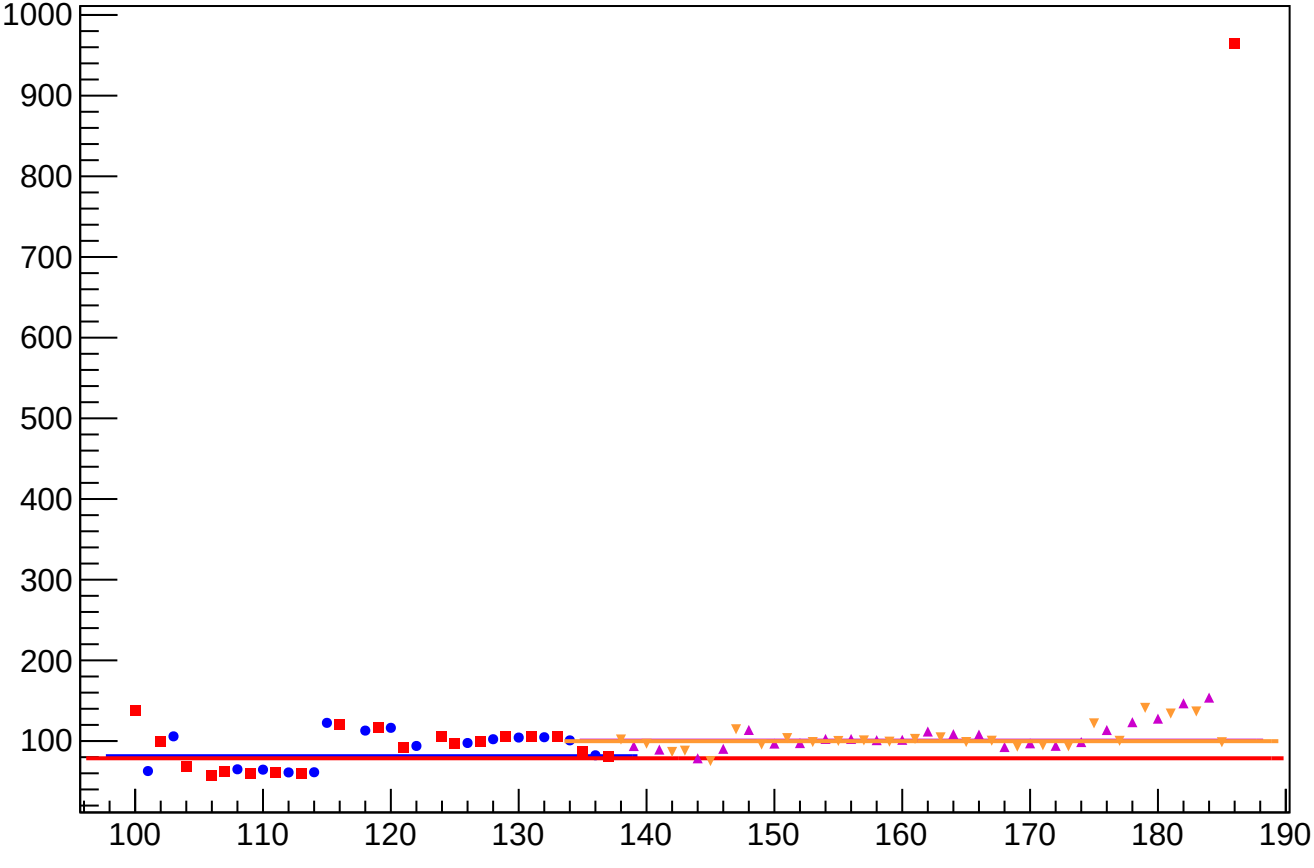
Right: 26.366+/-21.609 χ^2/NDF: 38.7/35

In: 18.061+/-18.909 χ^2/NDF:45.8/38

Out: 58.950+/-18.216 χ^2/NDF:51.1/44

All: 39.268+/-13.119 χ^2/NDF: 99.3/83

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

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

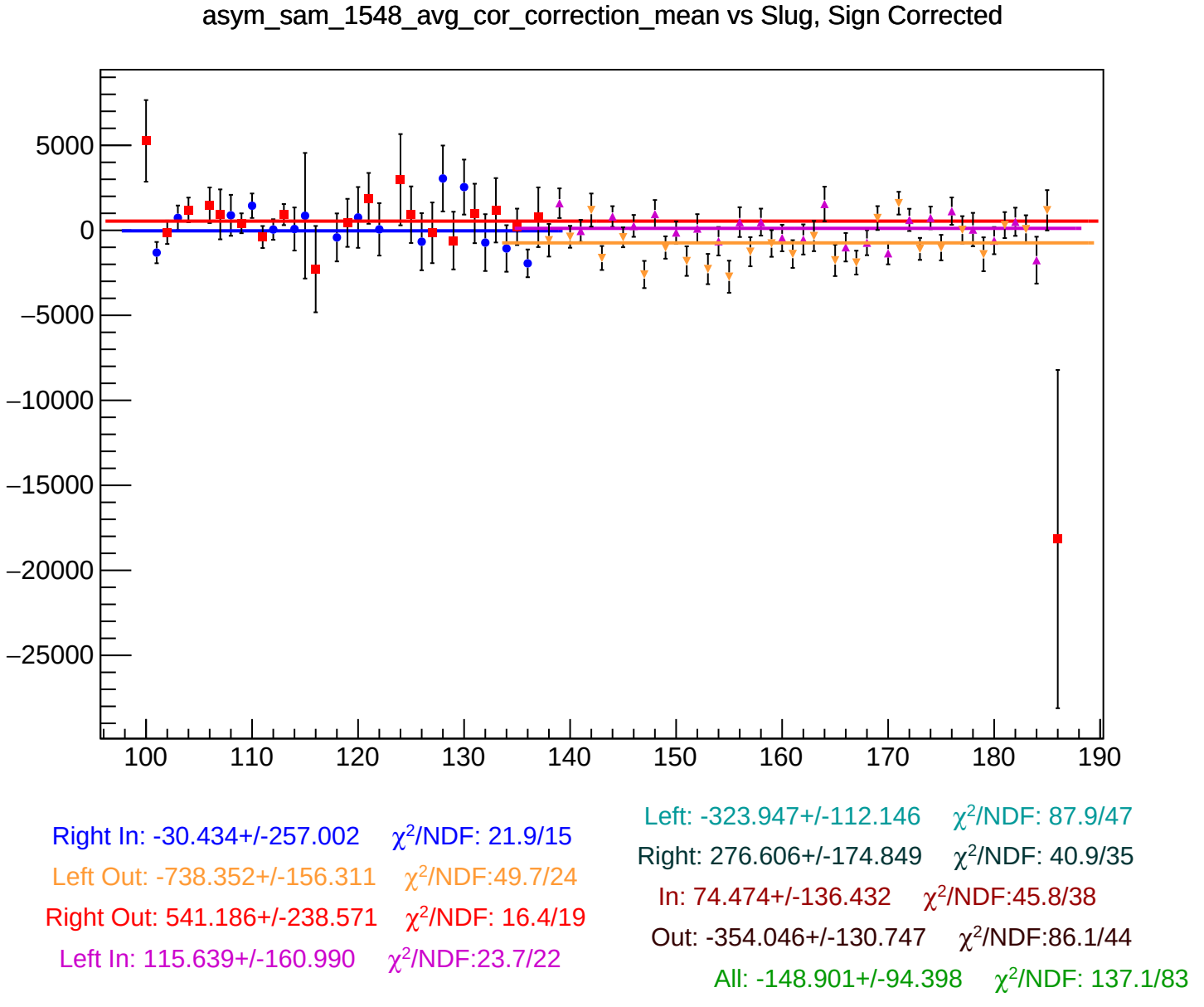
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 79.862+/-0.015 χ^2/NDF: 2414520.1/35

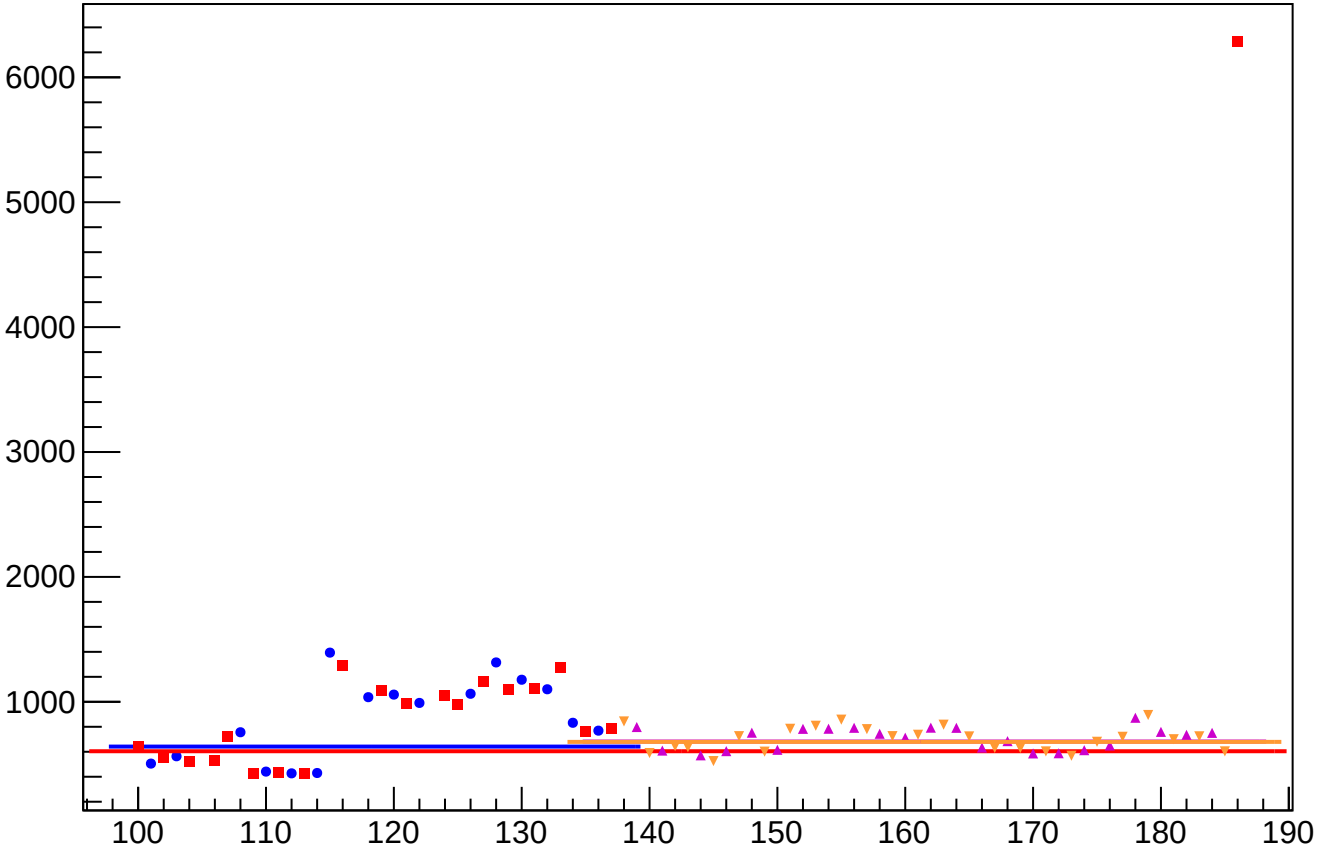
In: 93.427+/-0.013 χ^2/NDF:1927773.9/38

Out: 91.981+/-0.013 χ^2/NDF:2950043.9/44

All: 92.677+/-0.009 χ^2/NDF: 4883885.1/83


asym_sam_1548_avg_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: -30.434+/-257.002 χ²/NDF: 21.9/15
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: 276.606+/-174.849 χ²/NDF: 40.9/35
In: 74.474+/-136.432 χ²/NDF:45.8/38
Out: -354.046+/-130.747 χ²/NDF:86.1/44
All: -148.901+/-94.398 χ²/NDF: 137.1/83

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 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

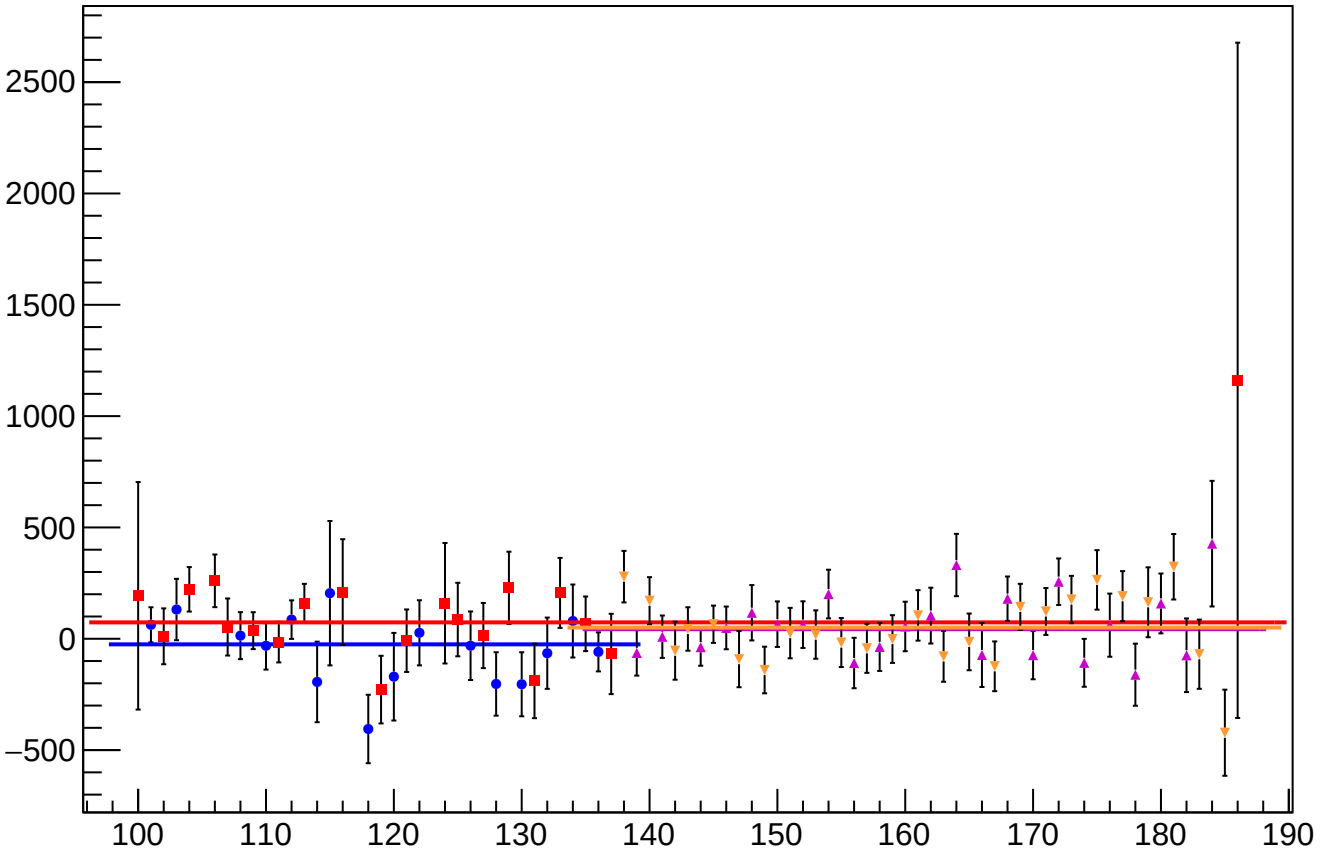
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 621.492+/-0.124 χ^2/NDF: 4627585.6/35

In: 670.512+/-0.096 χ^2/NDF:2484232.7/38

Out: 656.650+/-0.092 χ^2/NDF:3605399.8/44

All: 663.286+/-0.067 χ^2/NDF: 6100395.1/83



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

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

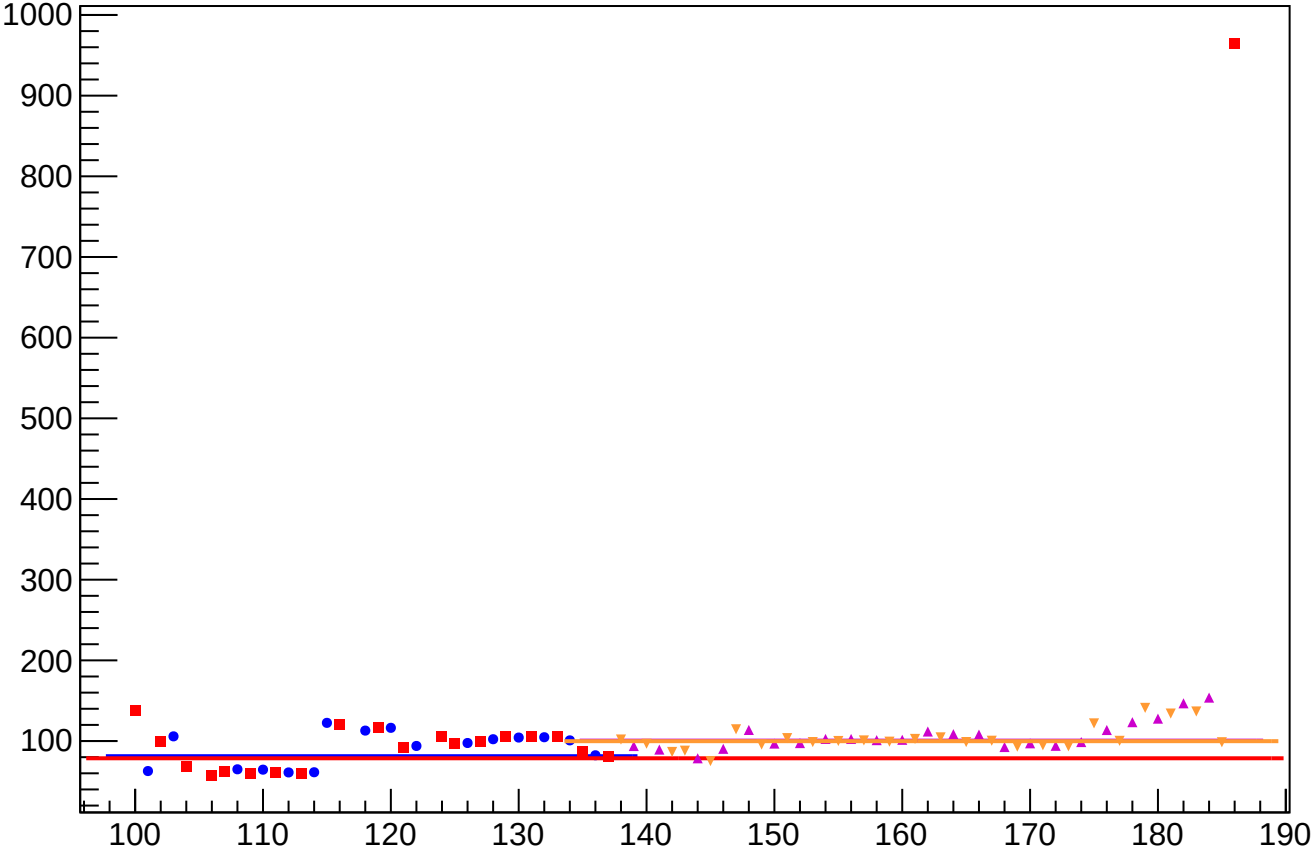
Right: 26.366+/-21.609 χ^2/NDF: 38.7/35

In: 18.061+/-18.909 χ^2/NDF:45.8/38

Out: 58.950+/-18.216 χ^2/NDF:51.1/44

All: 39.268+/-13.119 χ^2/NDF: 99.3/83

eigen_cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

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

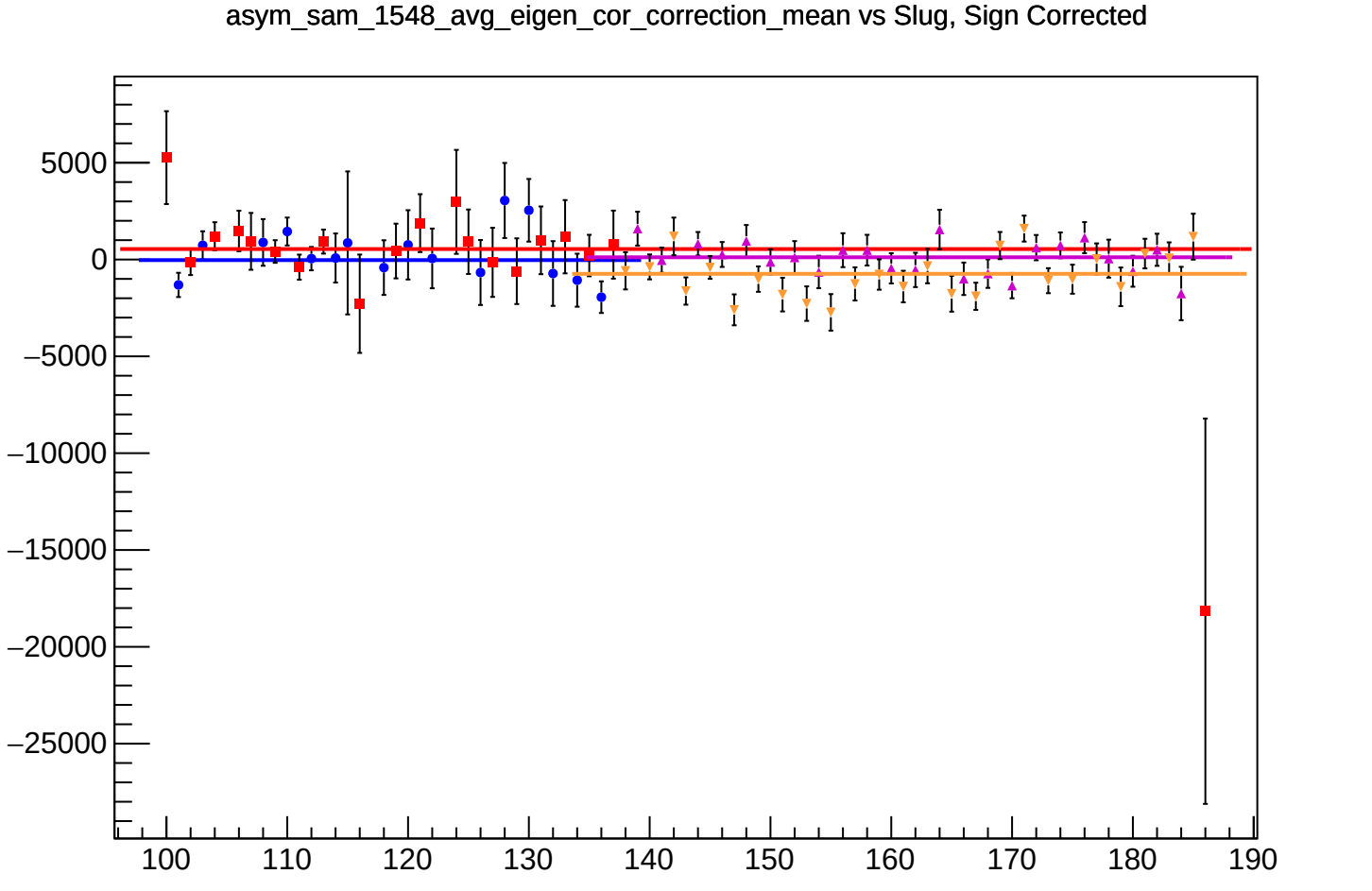
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 79.862+/-0.015 χ^2/NDF: 2414520.1/35

In: 93.427+/-0.013 χ^2/NDF:1927773.9/38

Out: 91.981+/-0.013 χ^2/NDF:2950043.9/44

All: 92.677+/-0.009 χ^2/NDF: 4883885.1/83



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

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

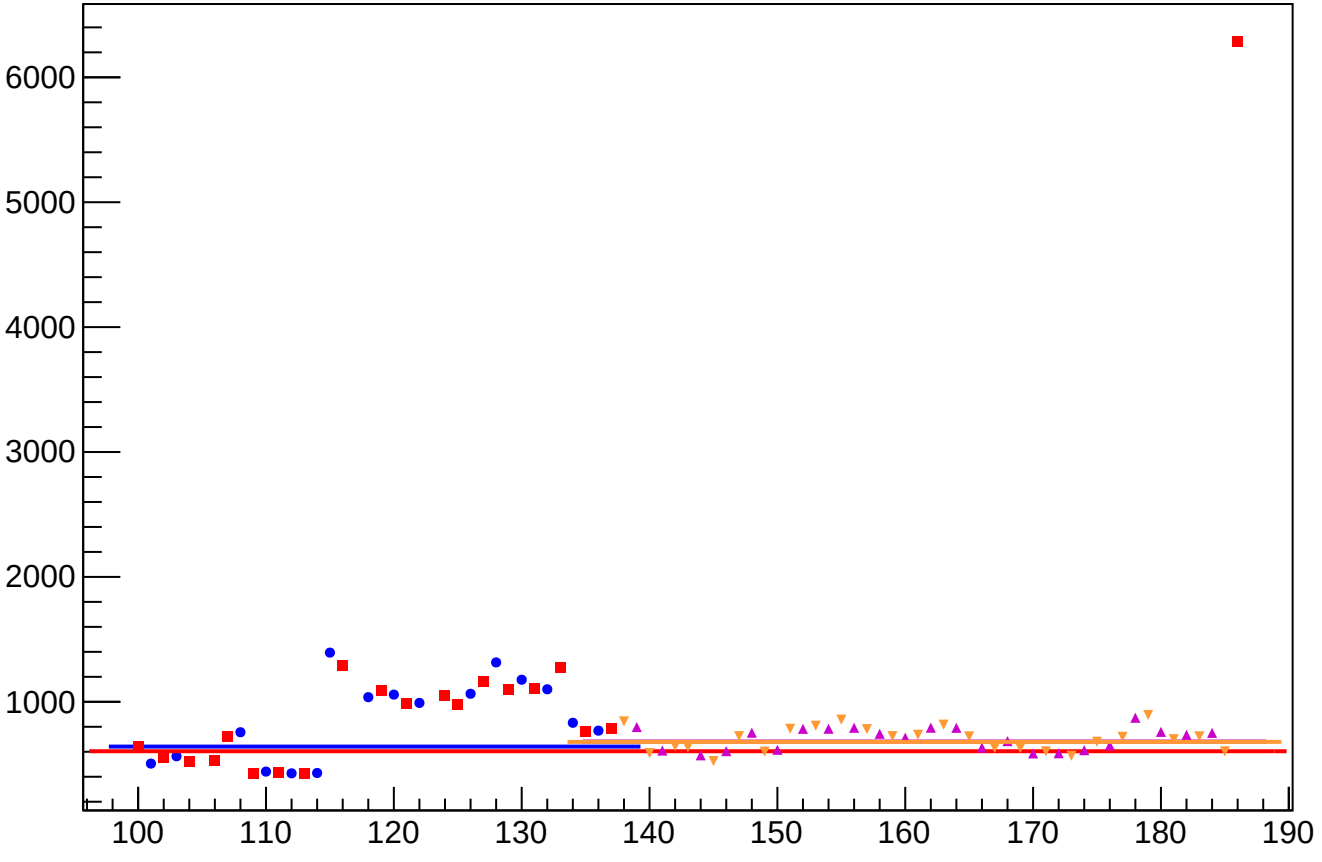
Right: 276.606+/-174.849 χ^2/NDF: 40.9/35

In: 74.474+/-136.432 χ^2/NDF:45.8/38

Out: -354.046+/-130.747 χ^2/NDF:86.1/44

All: -148.901+/-94.398 χ^2/NDF: 137.1/83

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 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

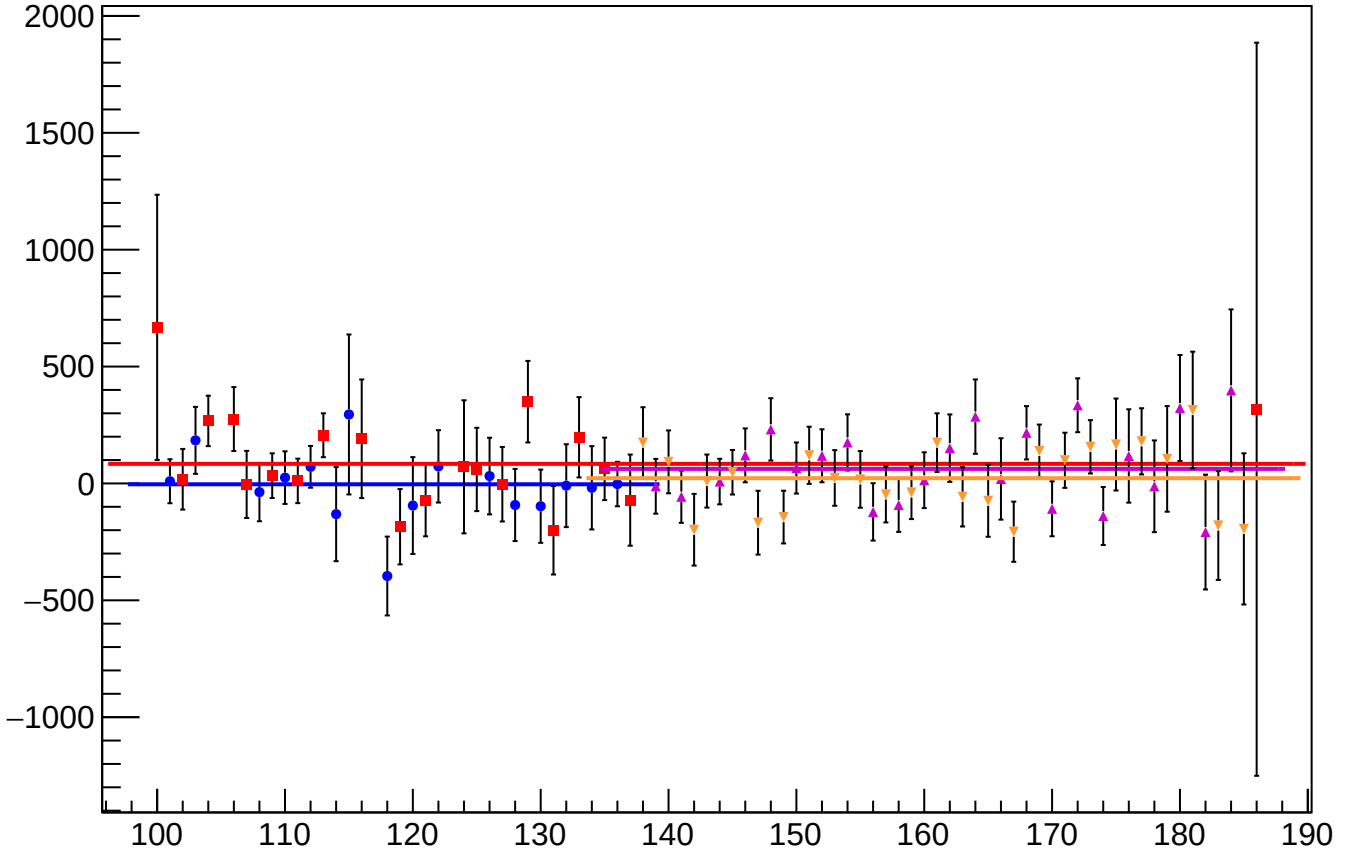
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 621.492+/-0.124 χ^2/NDF: 4627585.6/35

In: 670.512+/-0.096 χ^2/NDF:2484232.7/38

Out: 656.650+/-0.092 χ^2/NDF:3605399.8/44

All: 663.286+/-0.067 χ^2/NDF: 6100395.1/83



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

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

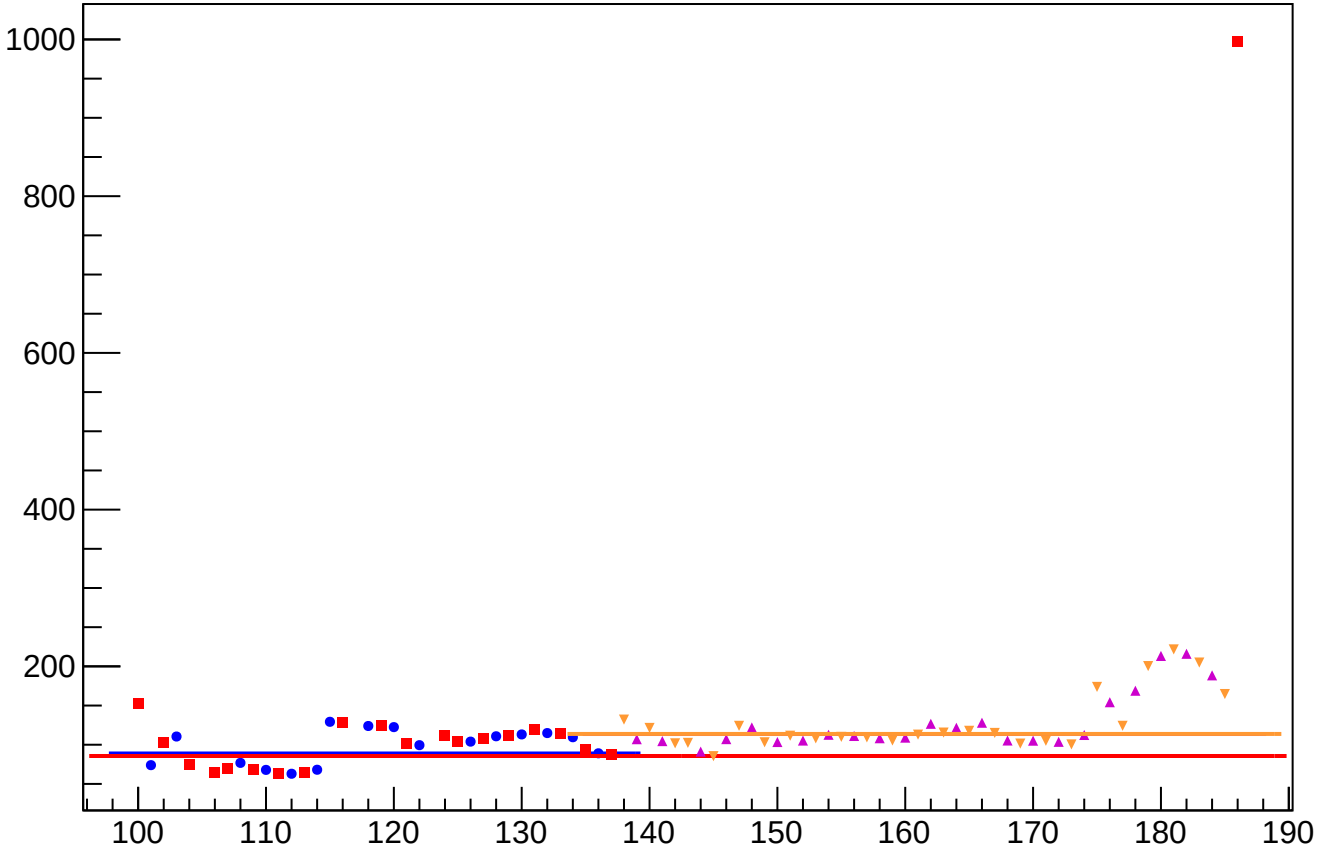
Right: 42.069+/-23.591 χ^2/NDF: 32.8/35

In: 36.470+/-21.343 χ^2/NDF:39.9/38

Out: 47.041+/-20.636 χ^2/NDF:42.8/44

All: 41.934+/-14.836 χ^2/NDF: 82.8/83

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

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

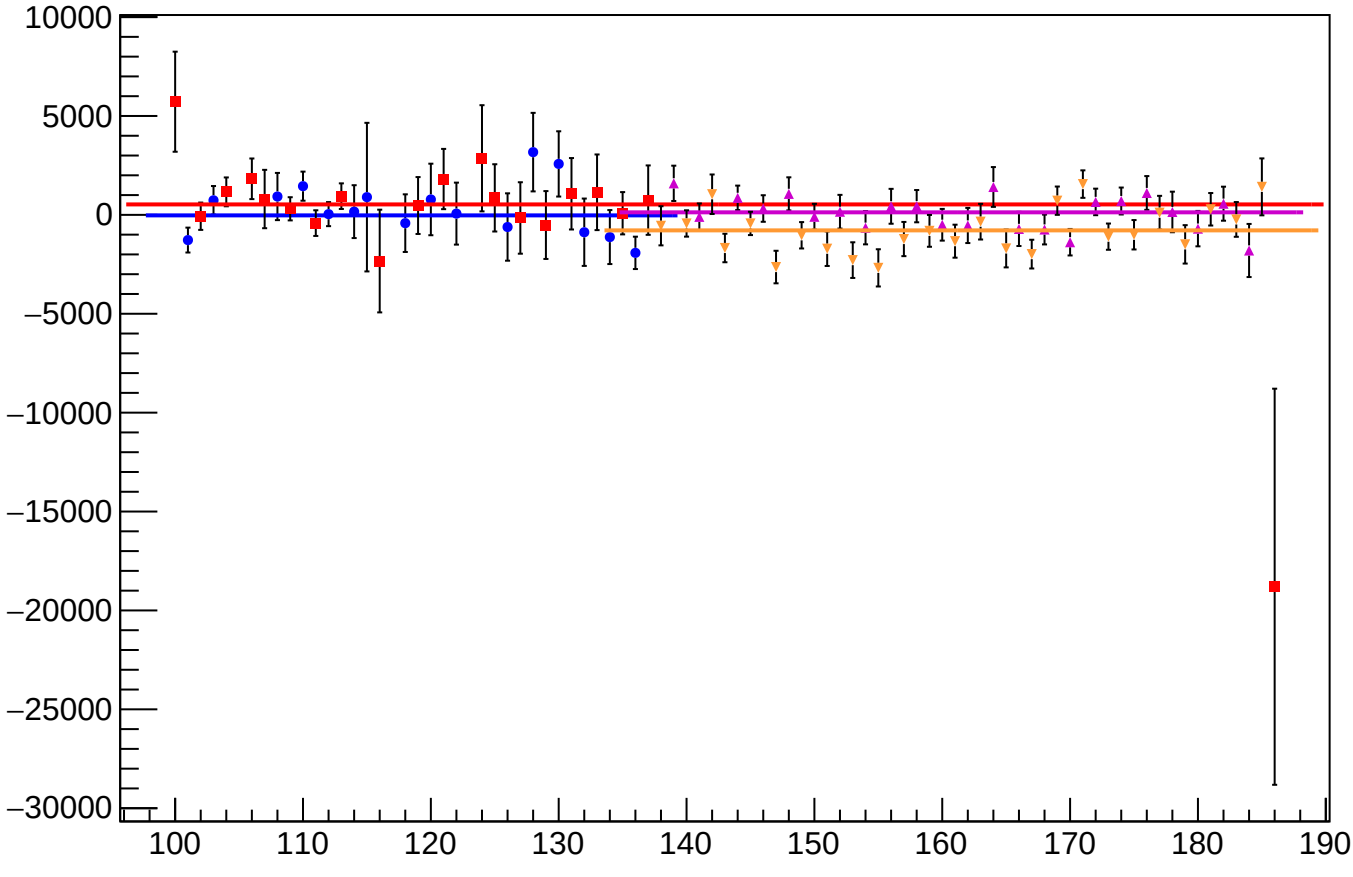
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 87.143+/-0.017 χ^2/NDF: 2294099.4/35

In: 103.967+/-0.015 χ^2/NDF:2686688.0/38

Out: 102.505+/-0.015 χ^2/NDF:4033280.8/44

All: 103.211+/-0.010 χ^2/NDF: 6724815.8/83



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

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

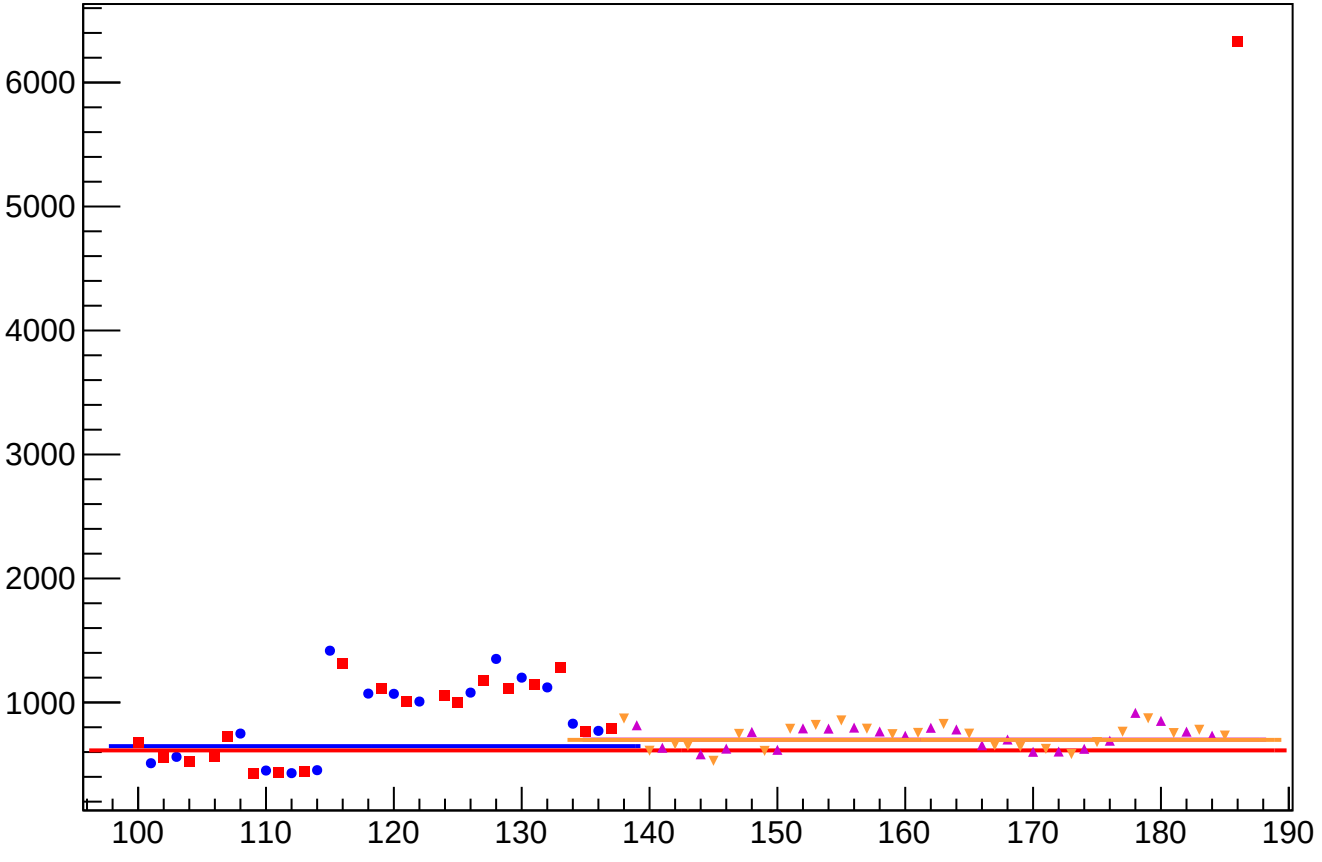
Right: 271.482+/-176.626 χ^2/NDF: 41.4/35

In: 83.719+/-139.375 χ^2/NDF:44.5/38

Out: -381.411+/-133.605 χ^2/NDF:83.3/44

All: -158.674+/-96.448 χ^2/NDF: 133.7/83

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 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

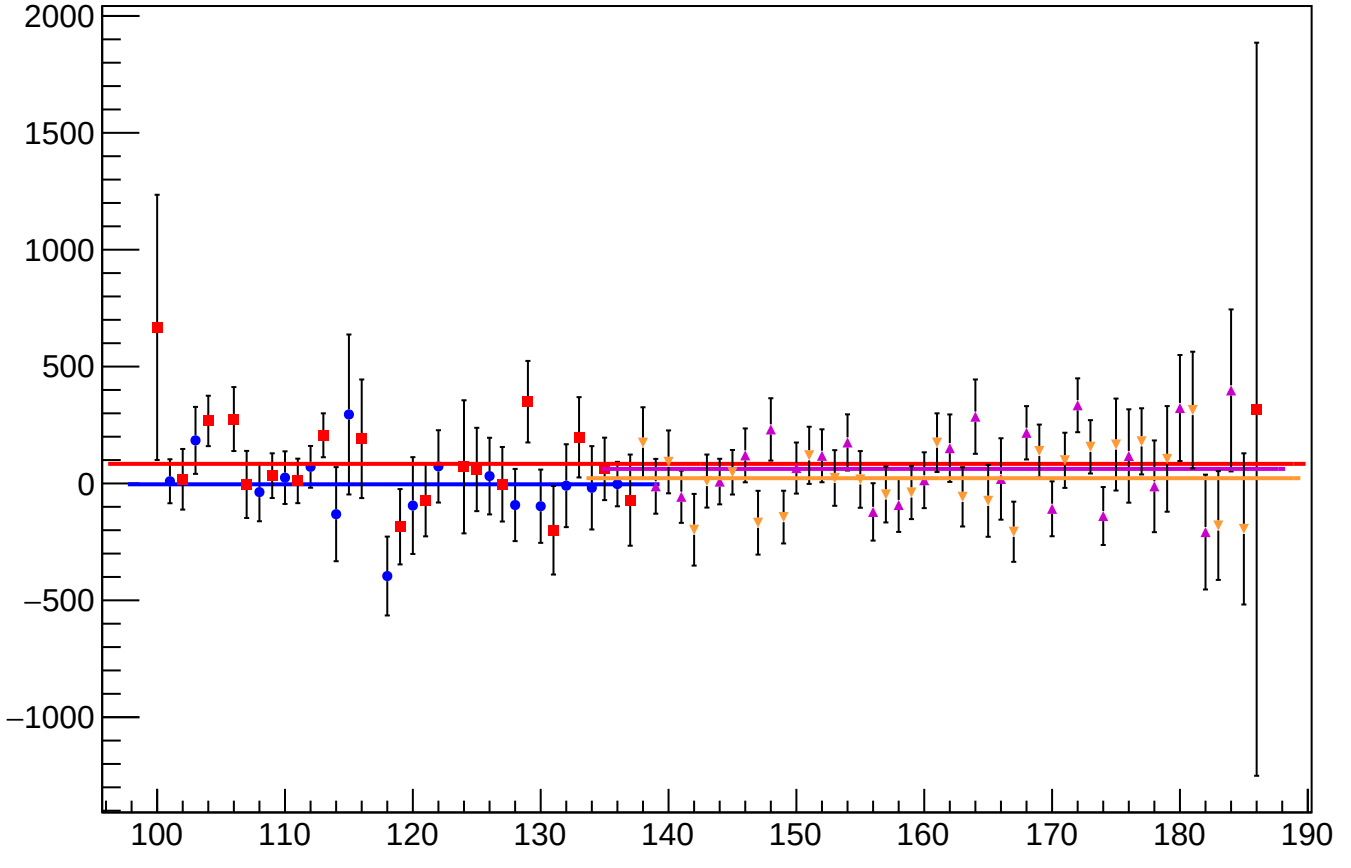
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 629.263+/-0.125 χ^2/NDF: 4633086.9/35

In: 684.941+/-0.099 χ^2/NDF:2530271.2/38

Out: 672.194+/-0.094 χ^2/NDF:3612864.8/44

All: 678.298+/-0.068 χ^2/NDF: 6151854.4/83



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

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

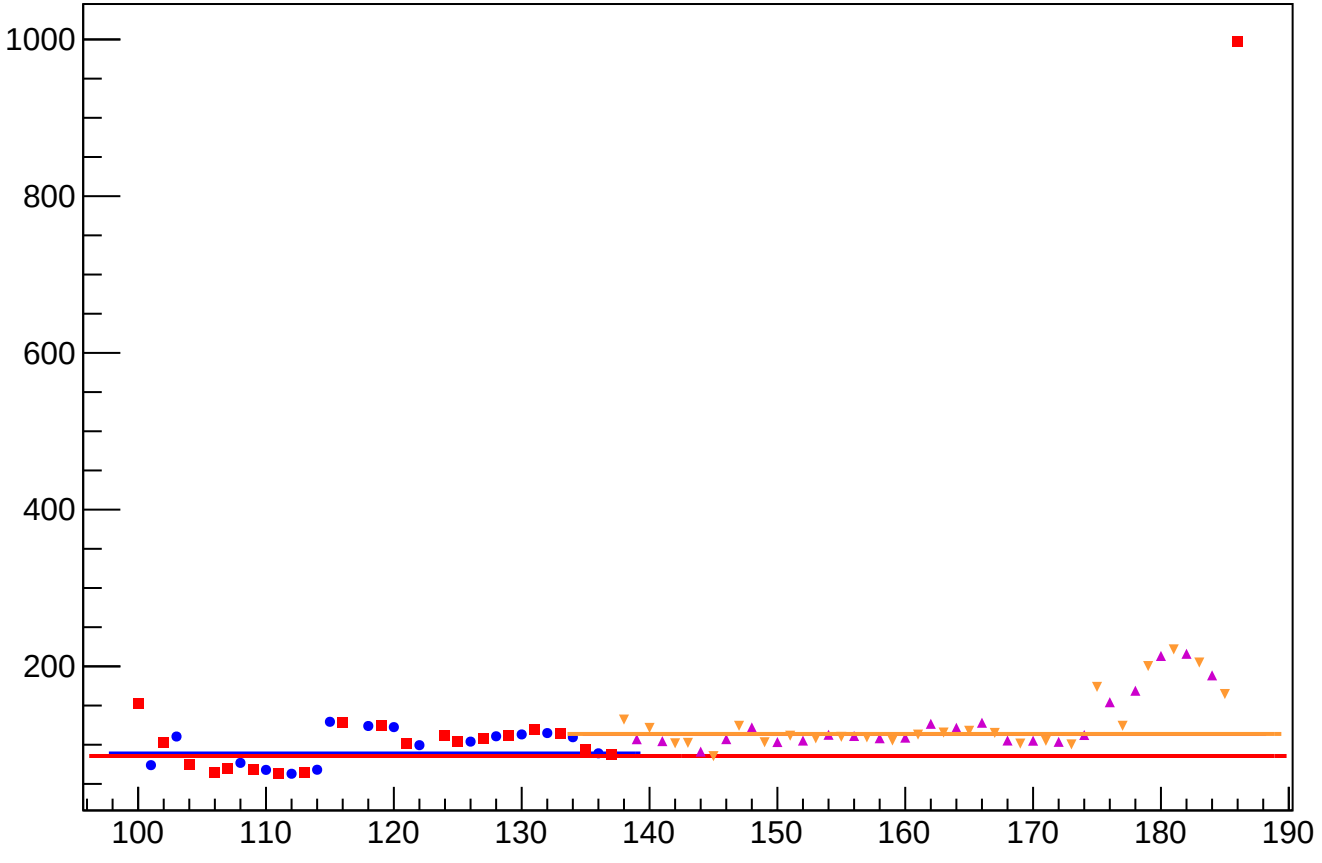
Right: 42.069+/-23.591 χ^2/NDF: 32.8/35

In: 36.471+/-21.343 χ^2/NDF:39.9/38

Out: 47.042+/-20.636 χ^2/NDF:42.8/44

All: 41.934+/-14.836 χ^2/NDF: 82.8/83

eigen_dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

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

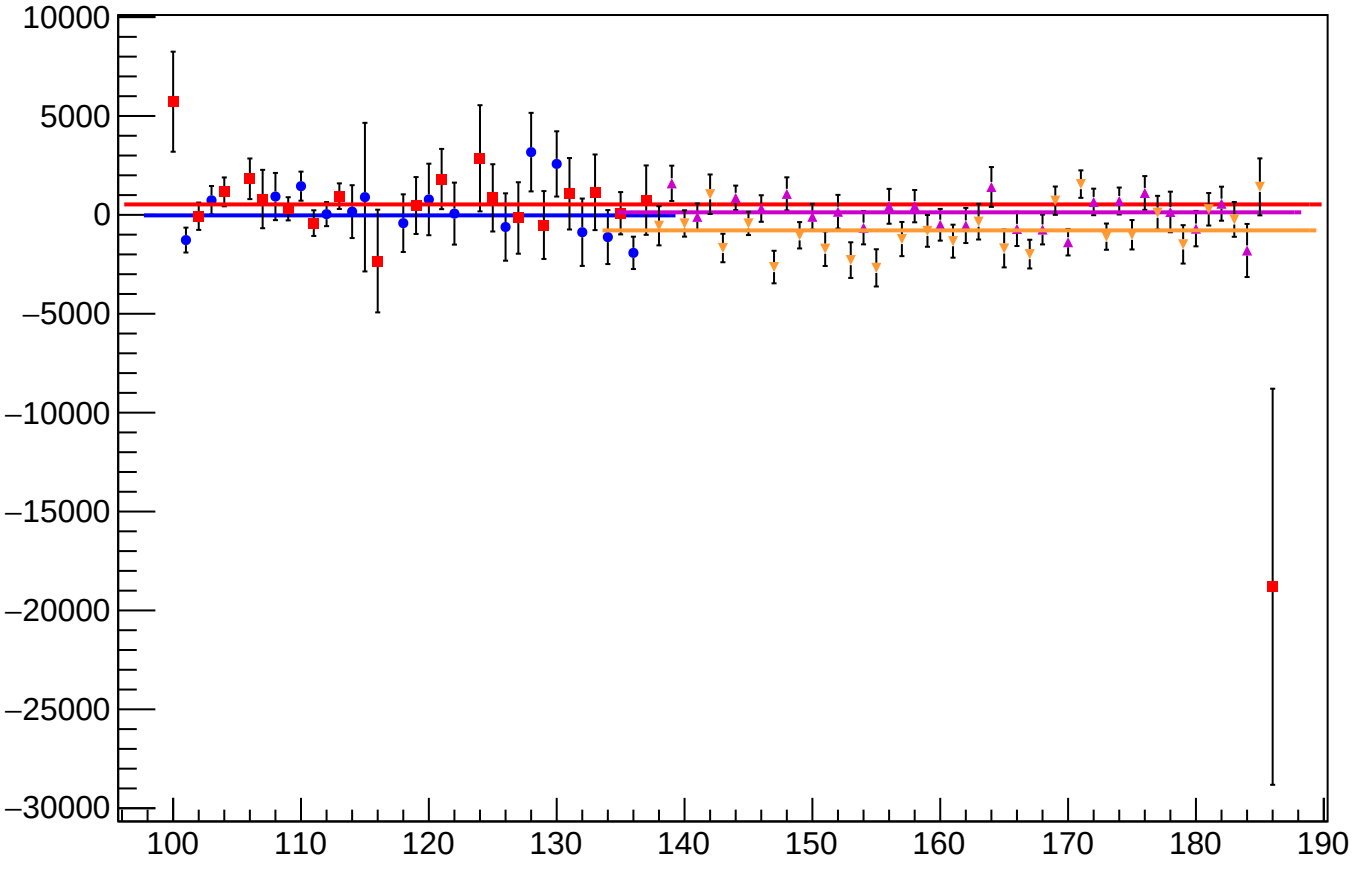
Right: 87.143+/-0.017 χ^2/NDF: 2294100.9/35

In: 103.967+/-0.015 χ^2/NDF:2686675.6/38

Out: 102.505+/-0.015 χ^2/NDF:4033282.3/44

All: 103.211+/-0.010 χ^2/NDF: 6724805.1/83

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -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

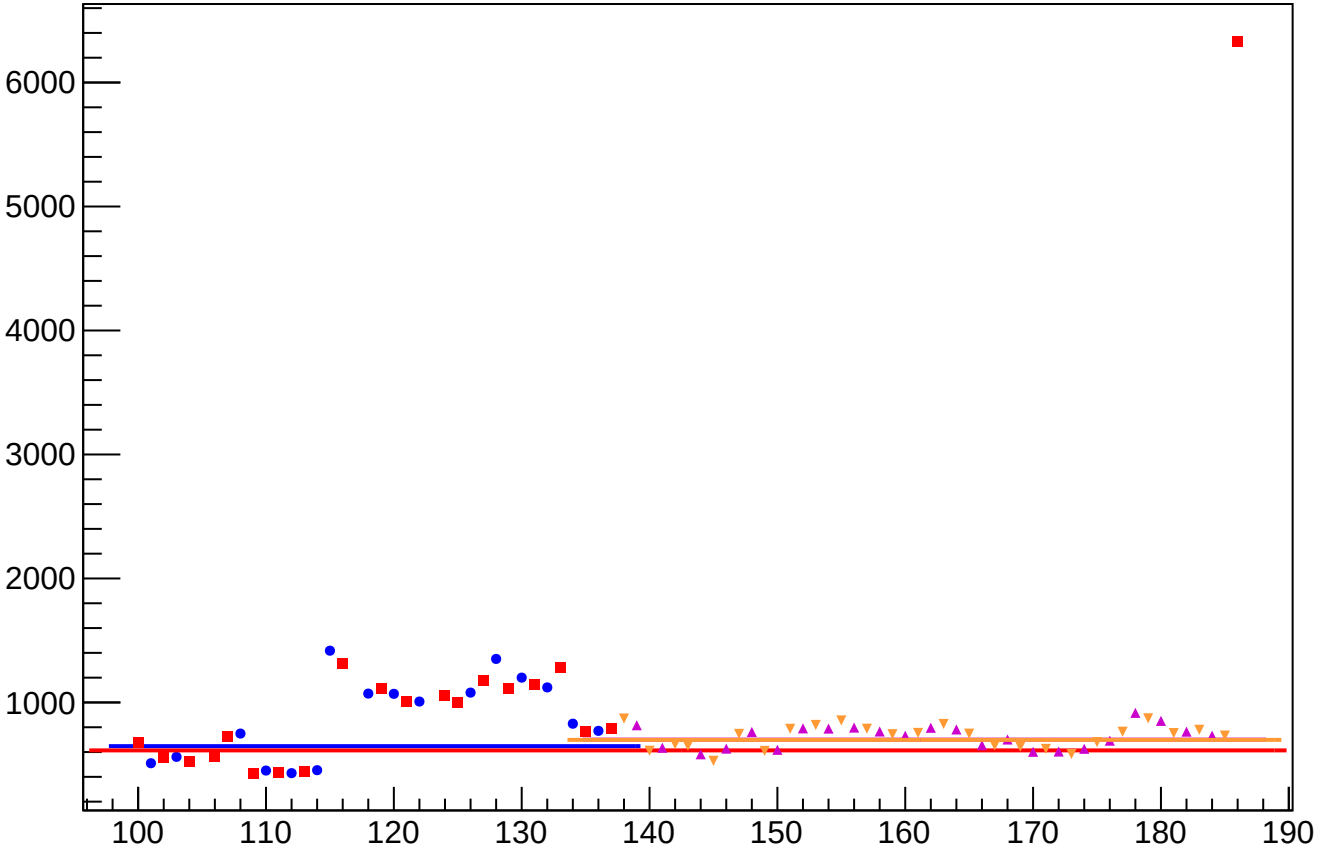
Right: 271.482+/-176.626 χ^2/NDF: 41.4/35

In: 83.718+/-139.375 χ^2/NDF:44.5/38

Out: -381.411+/-133.605 χ^2/NDF:83.3/44

All: -158.674+/-96.448 χ^2/NDF: 133.7/83

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 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

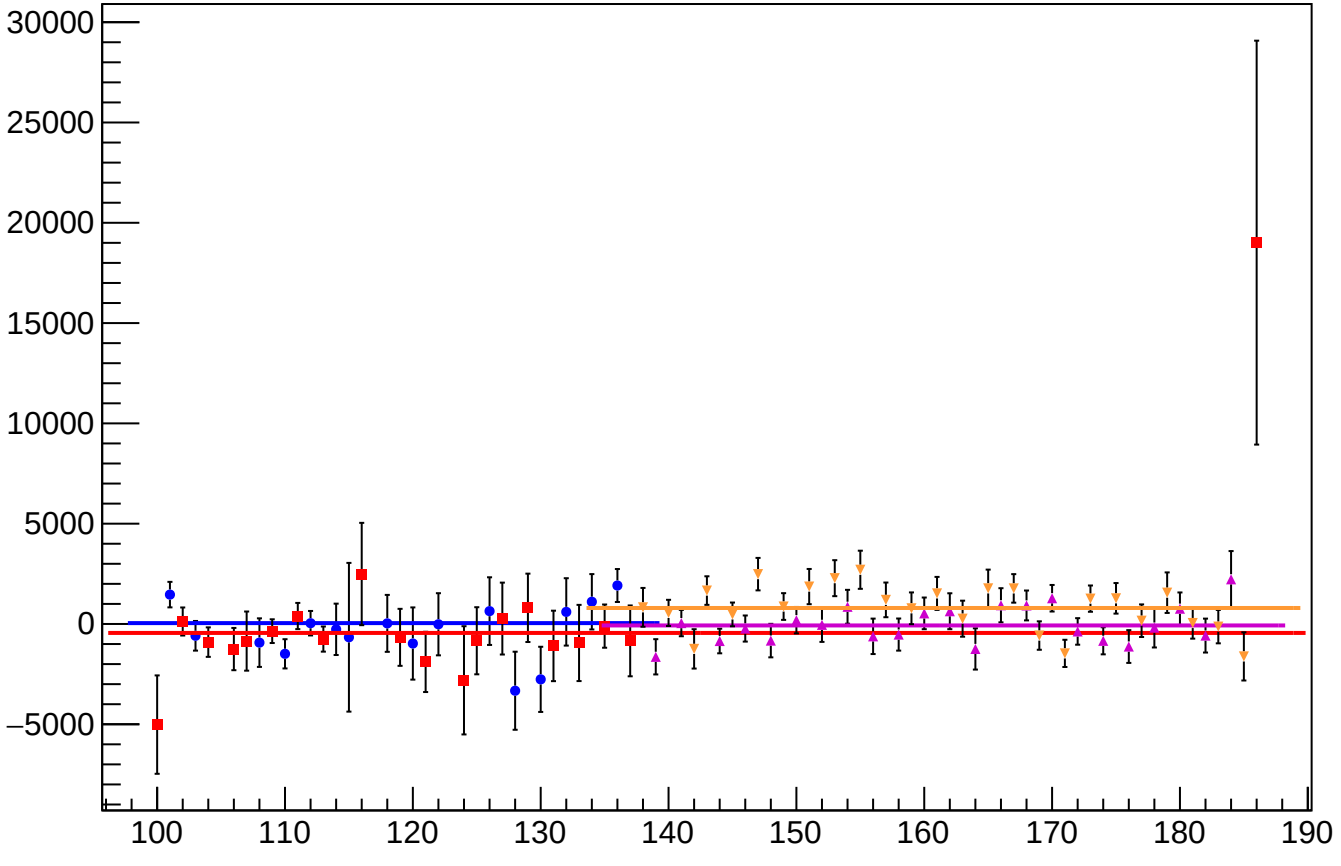
Right: 629.263+/-0.125 χ^2/NDF: 4633094.0/35

In: 684.940+/-0.099 χ^2/NDF:2530271.7/38

Out: 672.193+/-0.094 χ^2/NDF:3612865.6/44

All: 678.297+/-0.068 χ^2/NDF: 6151855.8/83

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

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

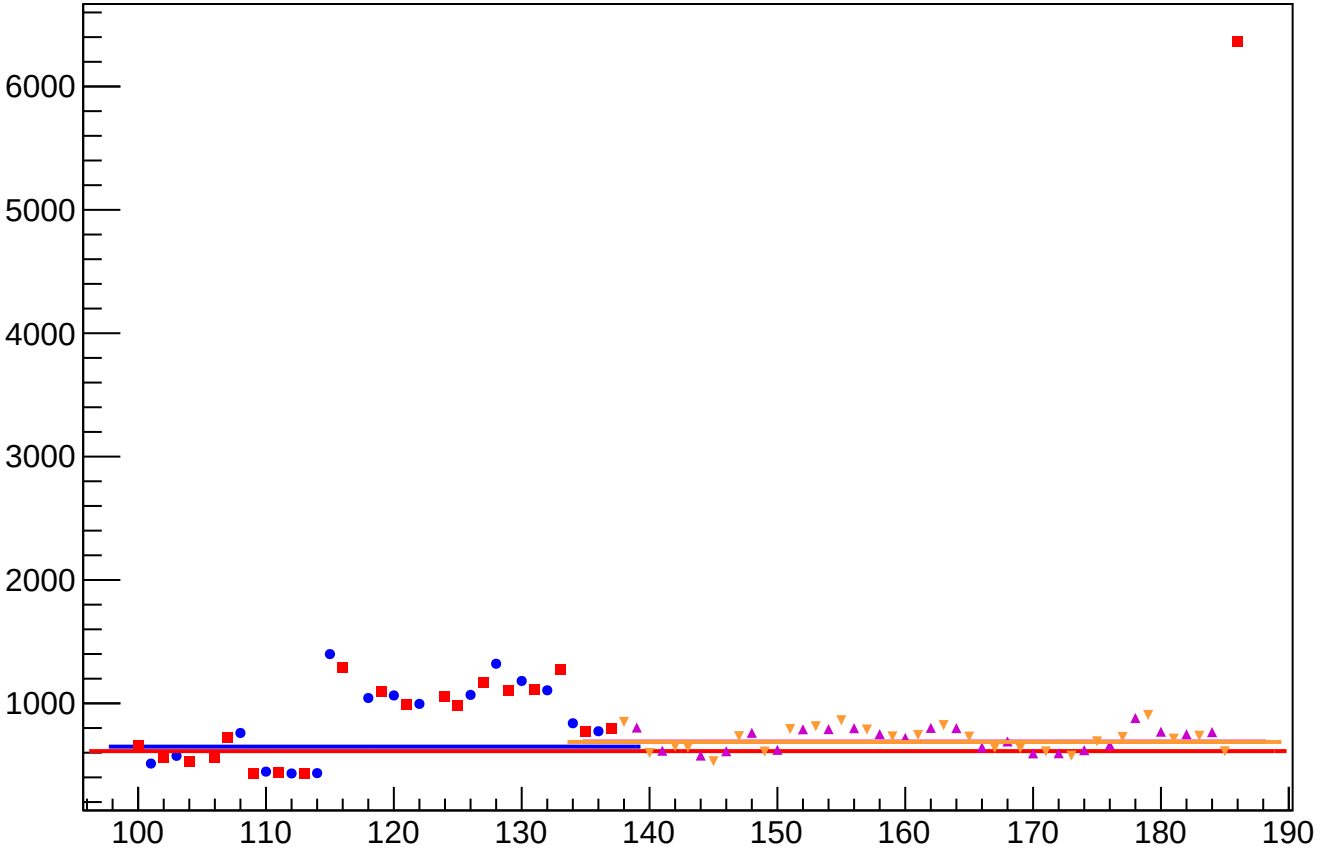
Right: -220.220+/-176.703 χ^2/NDF: 40.1/35

In: -40.586+/-138.000 χ^2/NDF:48.3/38

Out: 422.627+/-132.226 χ^2/NDF:80.0/44

All: 200.914+/-95.474 χ^2/NDF: 134.1/83

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

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

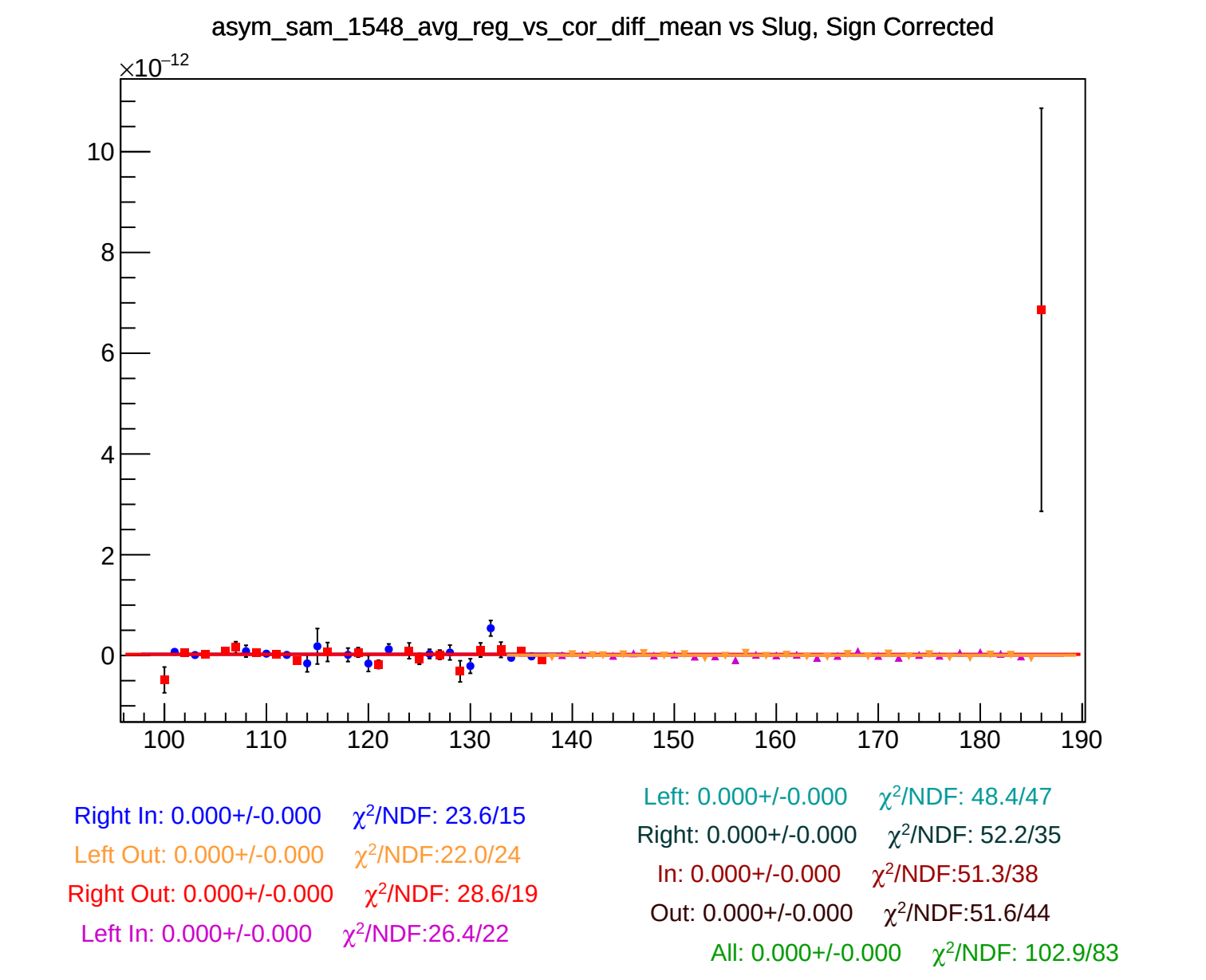
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

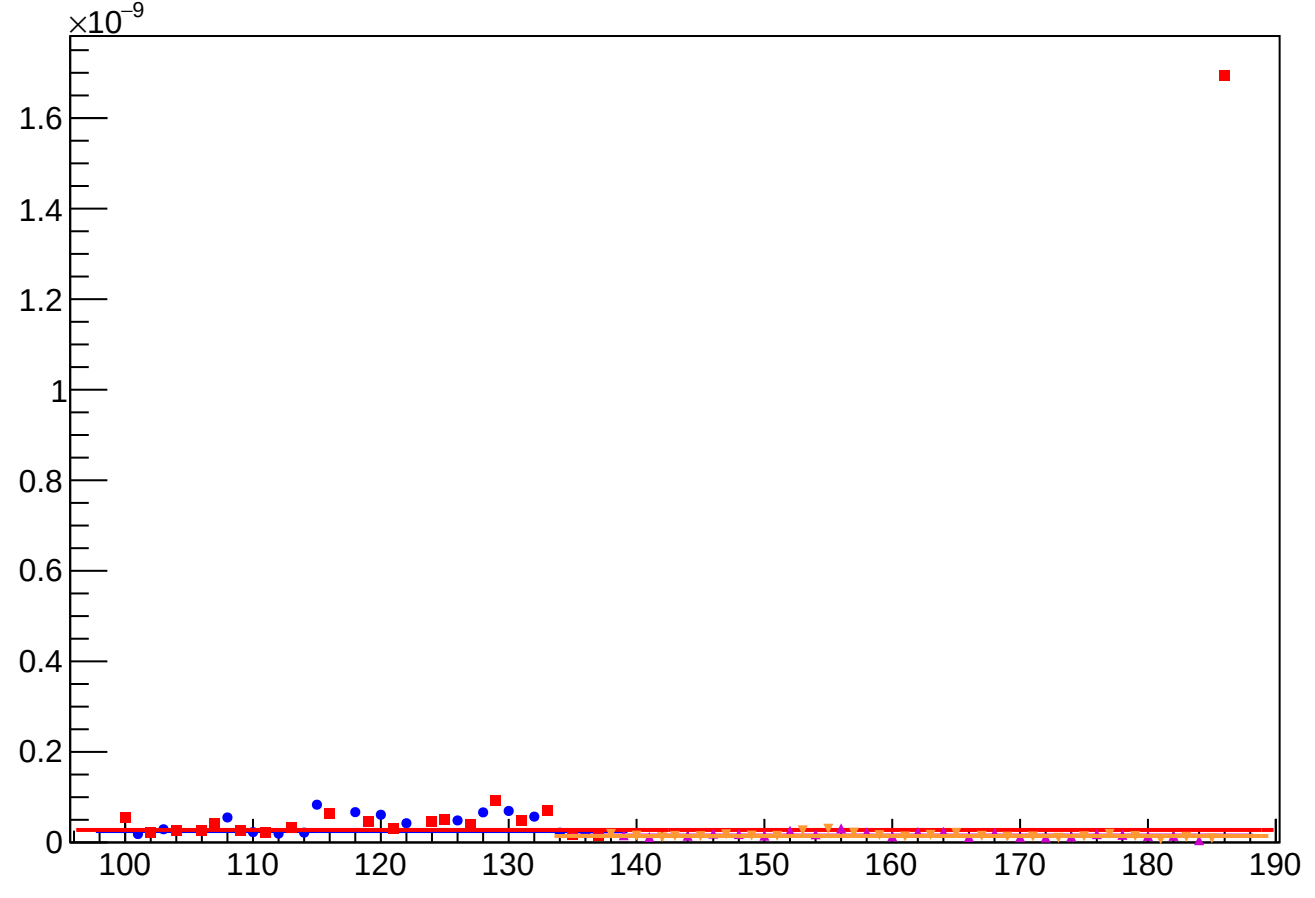
Right: 629.597+/-0.125 χ^2/NDF: 4563351.0/35

In: 678.455+/-0.098 χ^2/NDF:2448498.1/38

Out: 664.847+/-0.093 χ^2/NDF:3557875.7/44

All: 671.360+/-0.068 χ^2/NDF: 6016511.8/83


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.6/19
Left In: 0.000+/-0.000 χ²/NDF:26.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.4/47
Right: 0.000+/-0.000 χ²/NDF: 52.2/35
In: 0.000+/-0.000 χ²/NDF:51.3/38
Out: 0.000+/-0.000 χ²/NDF:51.6/44
All: 0.000+/-0.000 χ²/NDF: 102.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

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

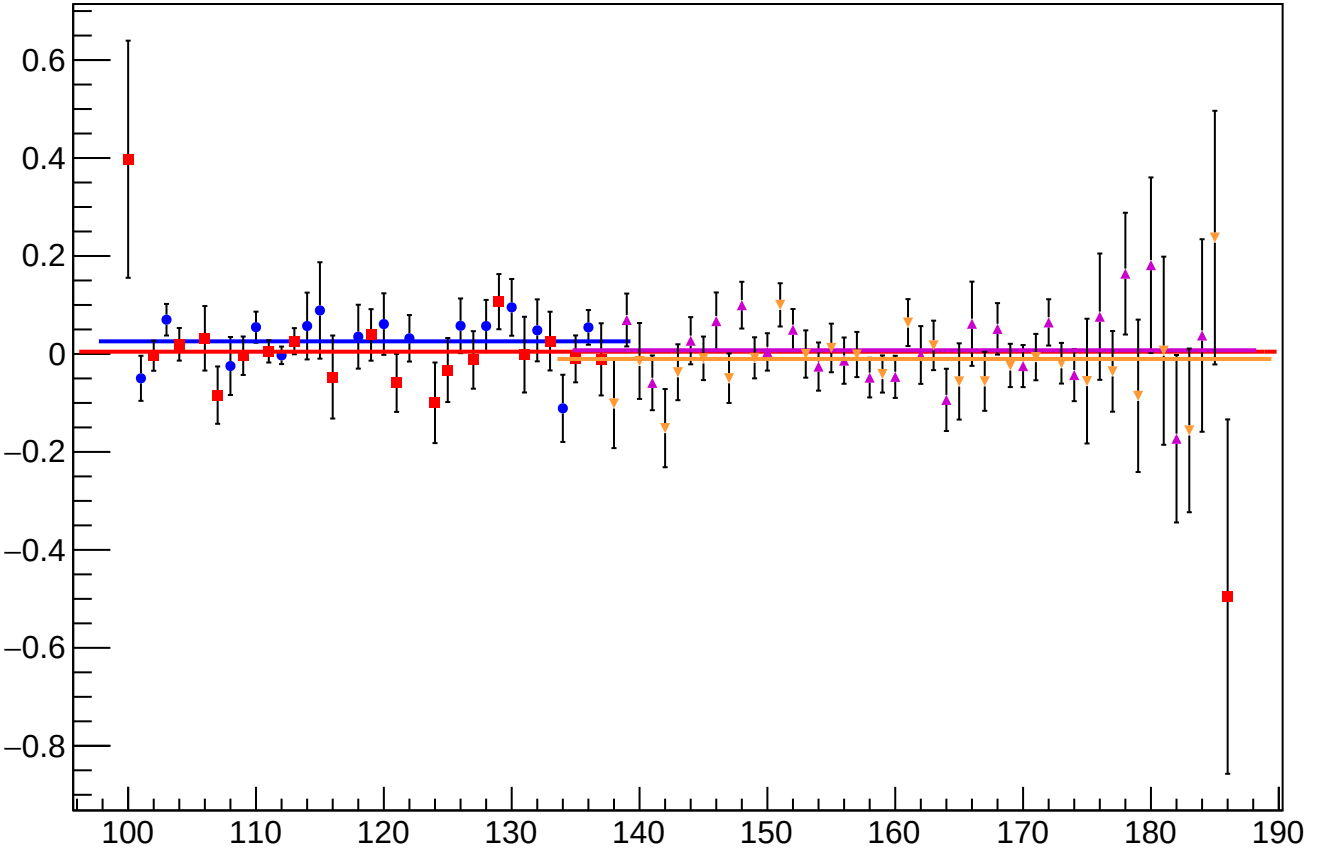
Right: 0.000+/-0.000 χ^2/NDF: 2670946.1/35

In: 0.000+/-0.000 χ^2/NDF:3169221.6/38

Out: 0.000+/-0.000 χ^2/NDF:3519657.1/44

All: 0.000+/-0.000 χ^2/NDF: 6713925.7/83

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-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

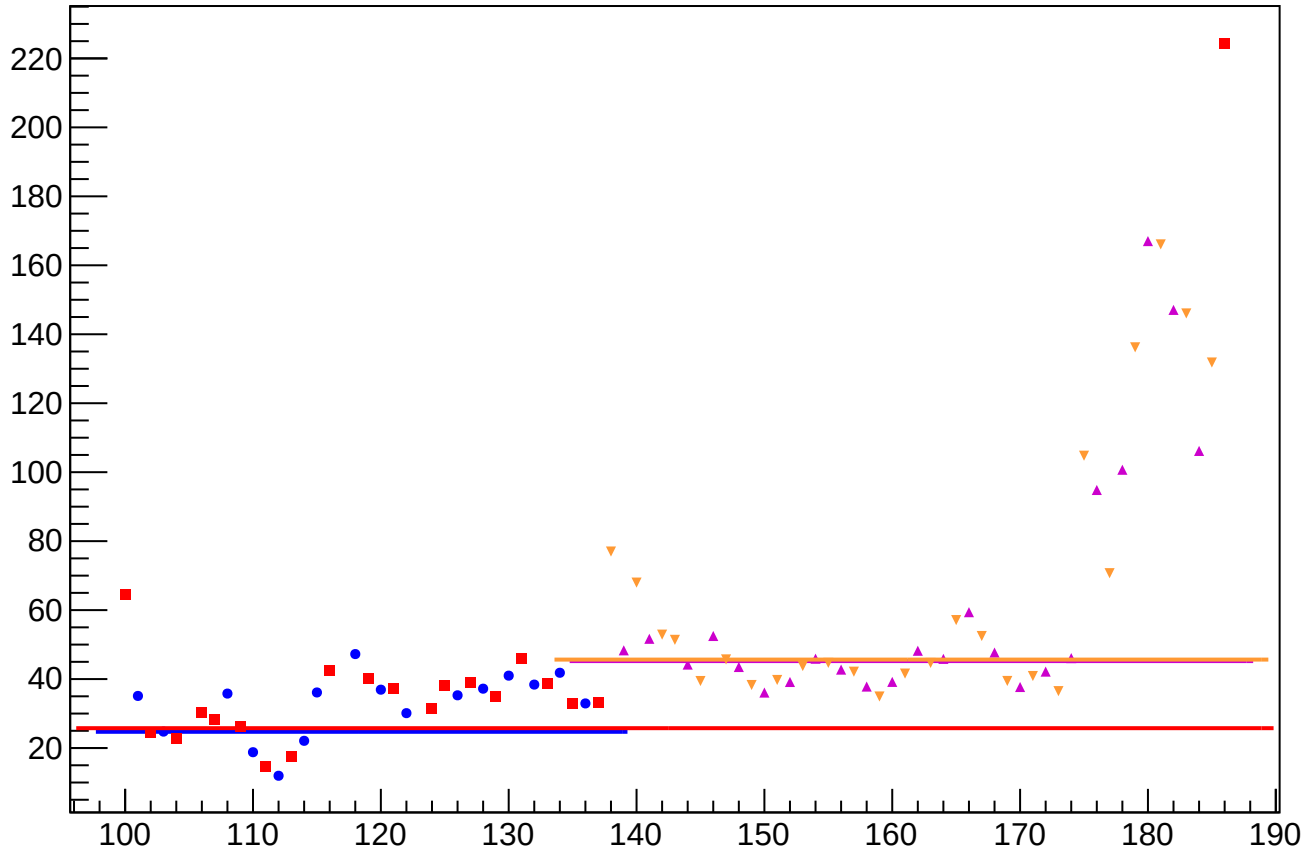
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.015+/-0.007 χ^2/NDF: 34.1/35

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.1/83



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

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

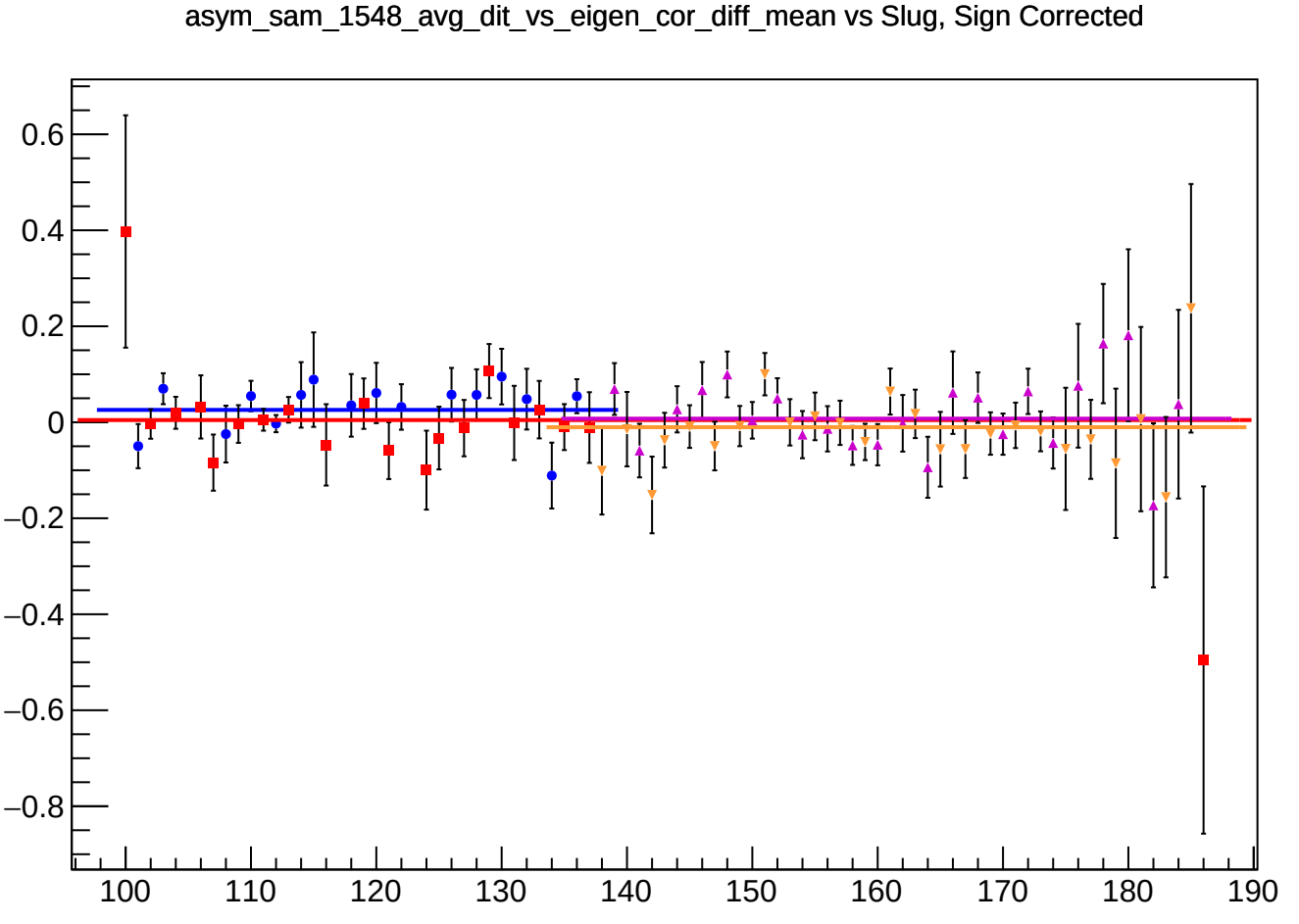
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 25.237+/-0.005 χ^2/NDF: 4513679.1/35

In: 33.970+/-0.005 χ^2/NDF:8827074.8/38

Out: 34.850+/-0.005 χ^2/NDF:9603188.2/44

All: 34.413+/-0.004 χ^2/NDF: 18443516.9/83



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

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

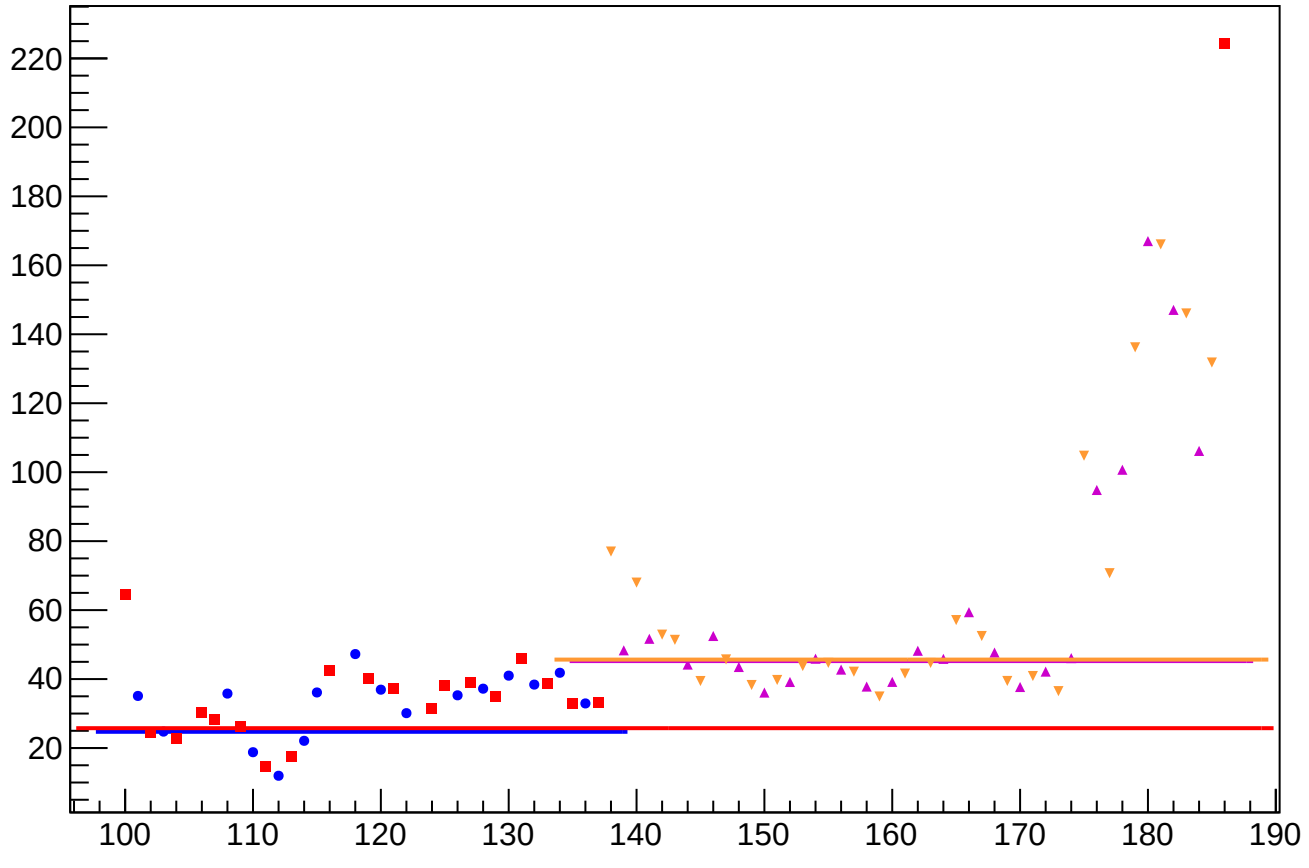
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.015+/-0.007 χ^2/NDF: 34.1/35

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.1/83



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

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

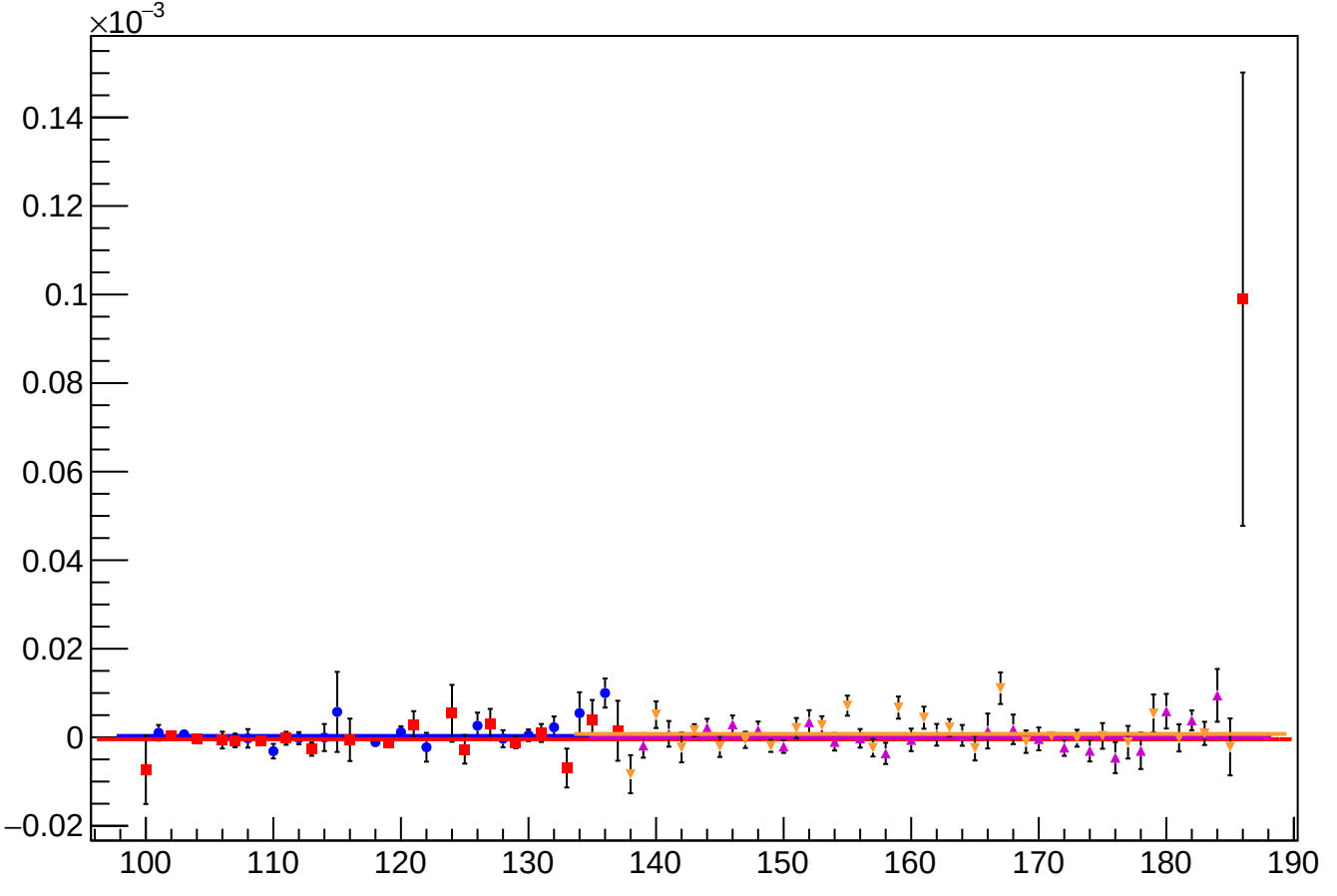
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 25.237+/-0.005 χ^2/NDF: 4513679.1/35

In: 33.970+/-0.005 χ^2/NDF:8827074.8/38

Out: 34.850+/-0.005 χ^2/NDF:9603188.2/44

All: 34.413+/-0.004 χ^2/NDF: 18443516.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

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

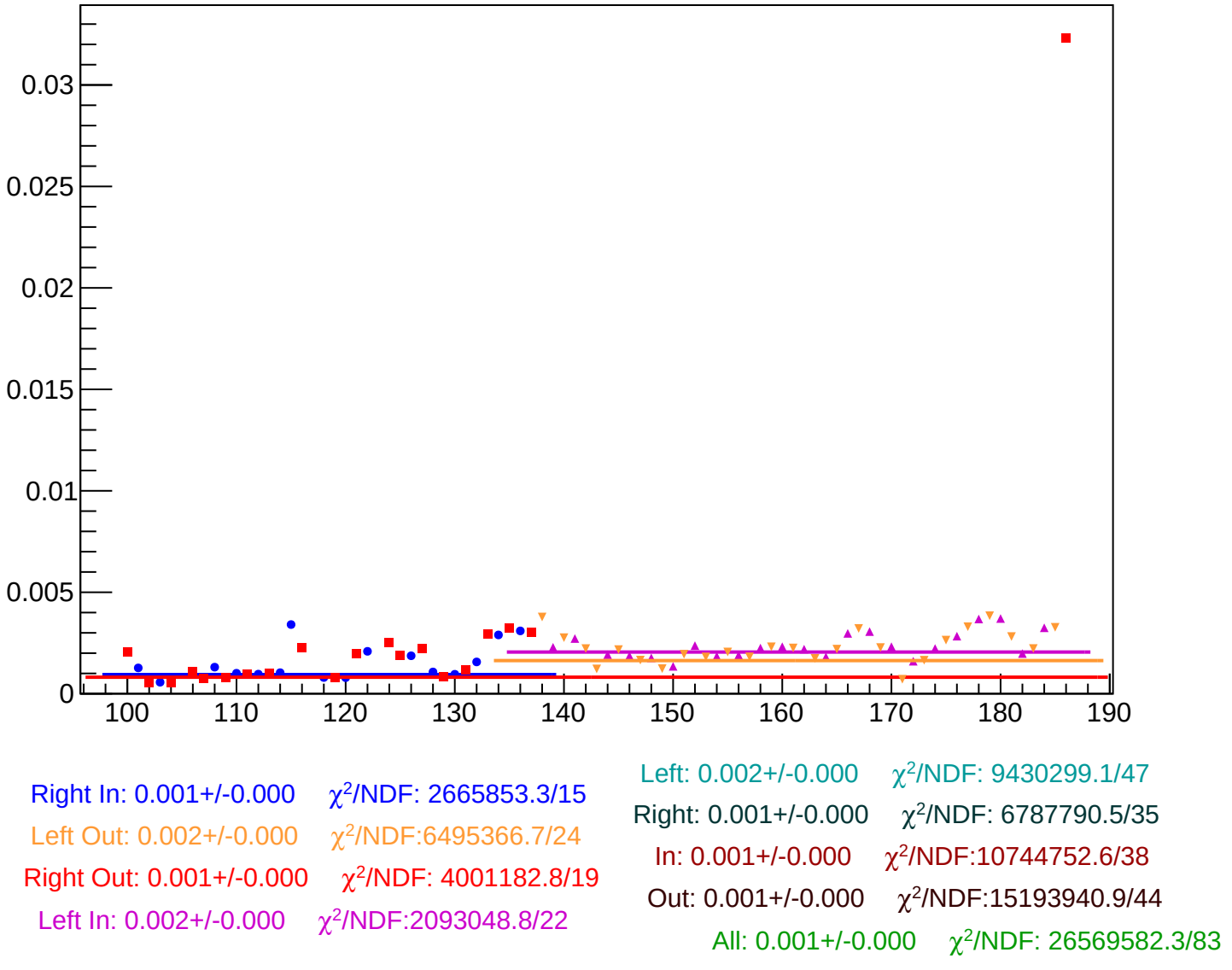
Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

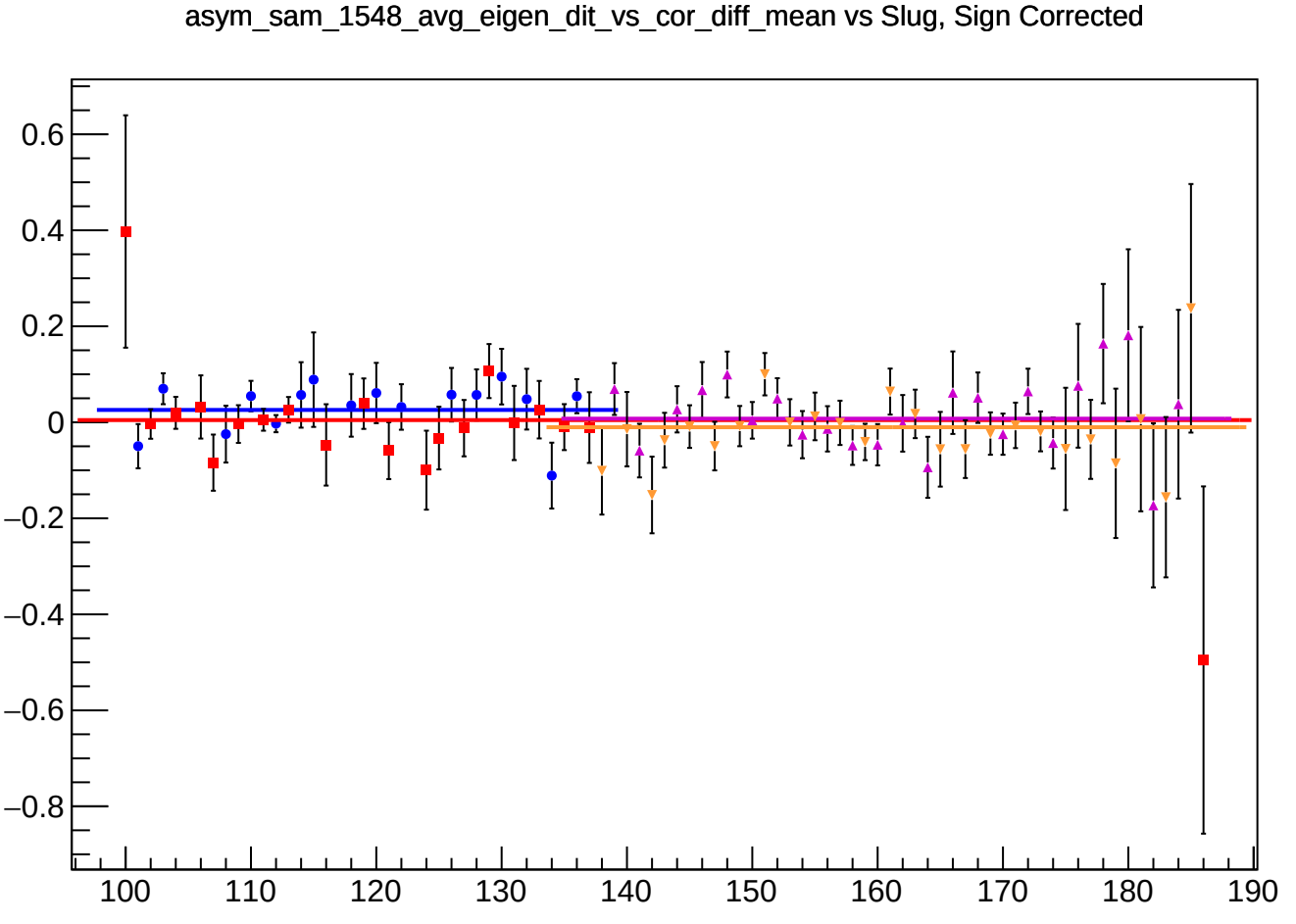
Right: -0.000+/-0.000 χ^2/NDF: 37.7/35

In: 0.000+/-0.000 χ^2/NDF:44.0/38

Out: 0.000+/-0.000 χ^2/NDF:67.6/44

All: 0.000+/-0.000 χ^2/NDF: 111.7/83


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:6495366.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 4001182.8/19
Left In: 0.002+/-0.000 χ²/NDF:2093048.8/22
Left: 0.002+/-0.000 χ²/NDF: 9430299.1/47
Right: 0.001+/-0.000 χ²/NDF: 6787790.5/35
In: 0.001+/-0.000 χ²/NDF:10744752.6/38
Out: 0.001+/-0.000 χ²/NDF:15193940.9/44
All: 0.001+/-0.000 χ²/NDF: 26569582.3/83



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

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

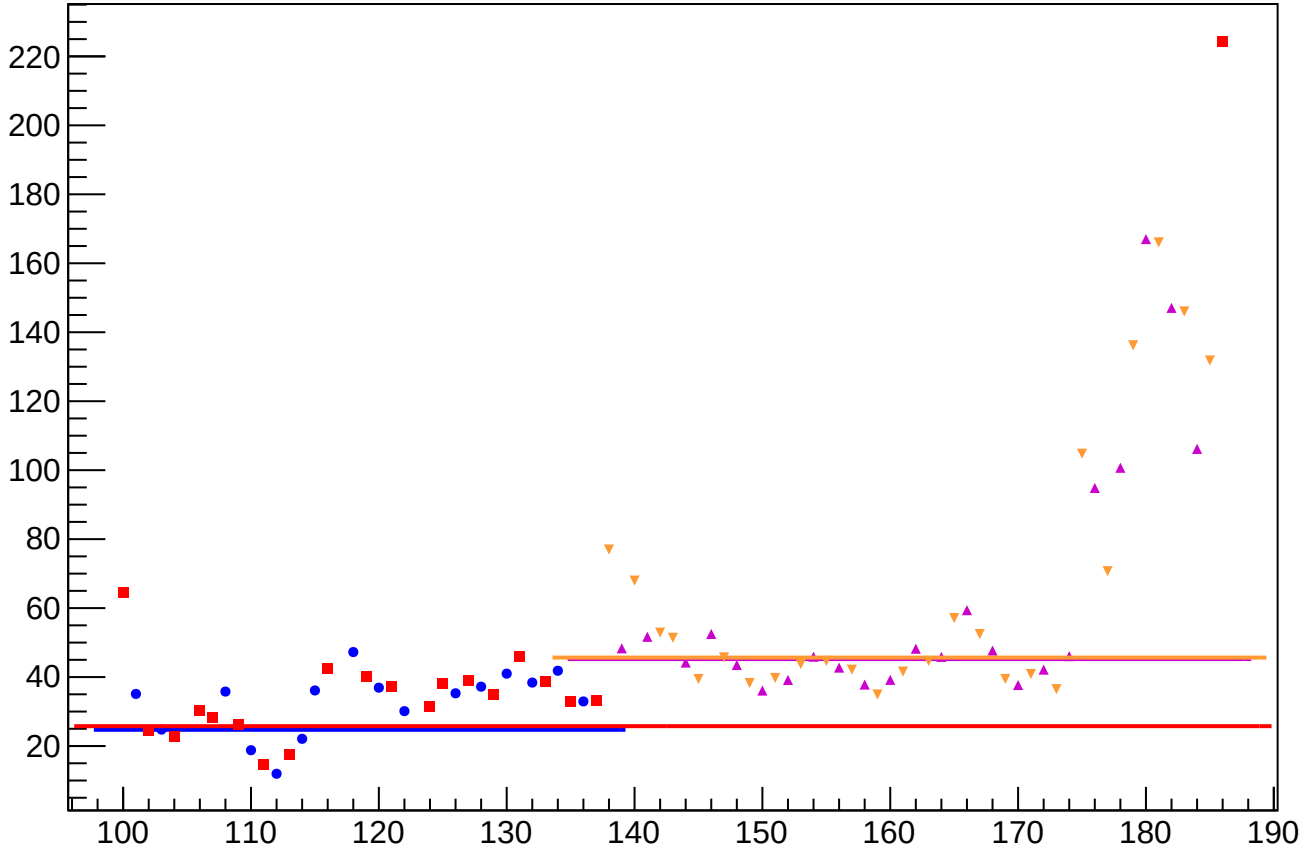
Right: 0.015+/-0.007 χ^2/NDF: 34.1/35

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.1/83

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 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

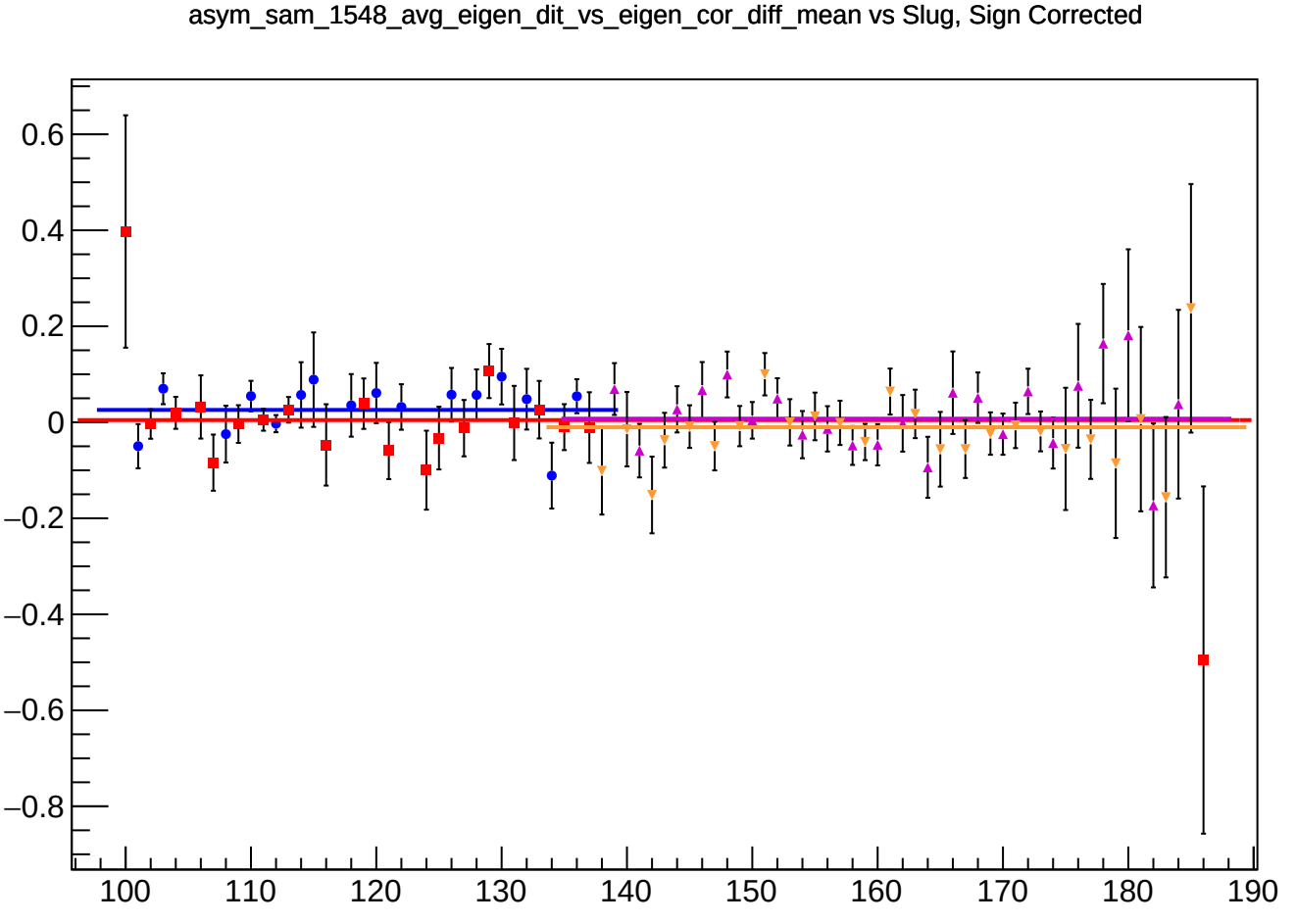
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 25.236+/-0.005 χ^2/NDF: 4514001.3/35

In: 33.969+/-0.005 χ^2/NDF:8827524.7/38

Out: 34.850+/-0.005 χ^2/NDF:9603530.8/44

All: 34.412+/-0.004 χ^2/NDF: 18444313.5/83



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

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

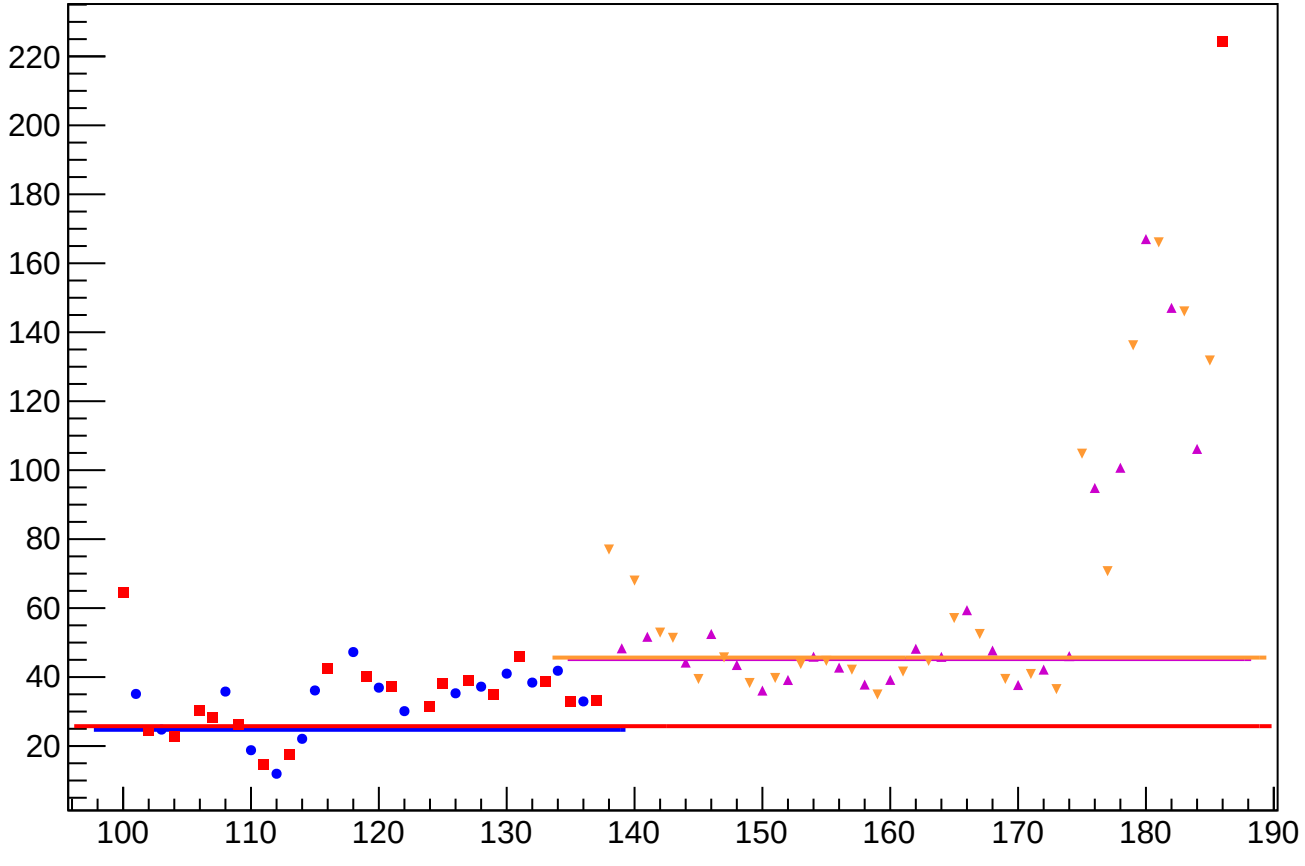
Right: 0.015+/-0.007 χ^2/NDF: 34.1/35

In: 0.018+/-0.008 χ^2/NDF:41.2/38

Out: -0.002+/-0.008 χ^2/NDF:34.5/44

All: 0.008+/-0.005 χ^2/NDF: 79.1/83

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 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

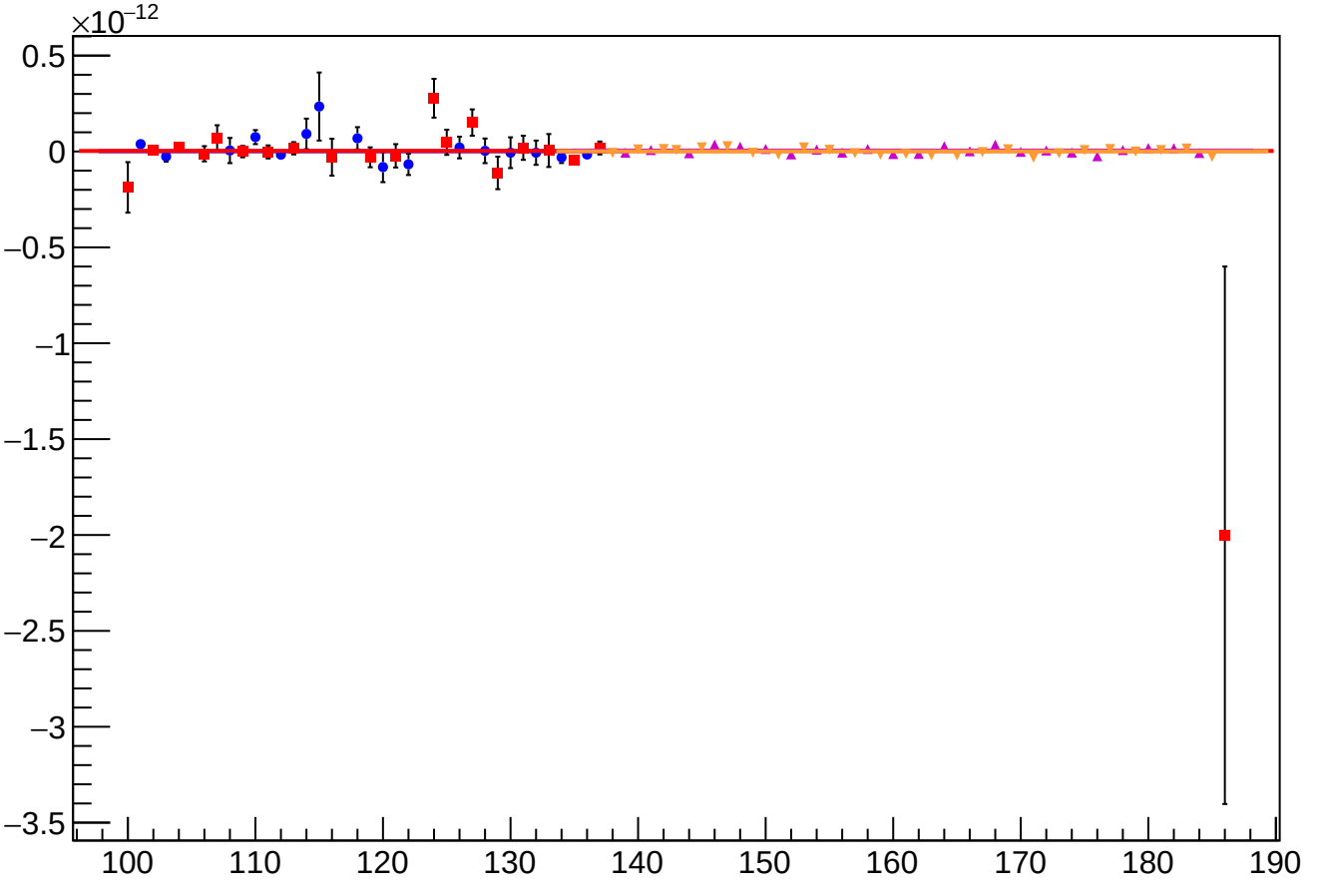
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 25.236+/-0.005 χ^2/NDF: 4514001.3/35

In: 33.969+/-0.005 χ^2/NDF:8827524.7/38

Out: 34.850+/-0.005 χ^2/NDF:9603530.8/44

All: 34.412+/-0.004 χ^2/NDF: 18444313.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

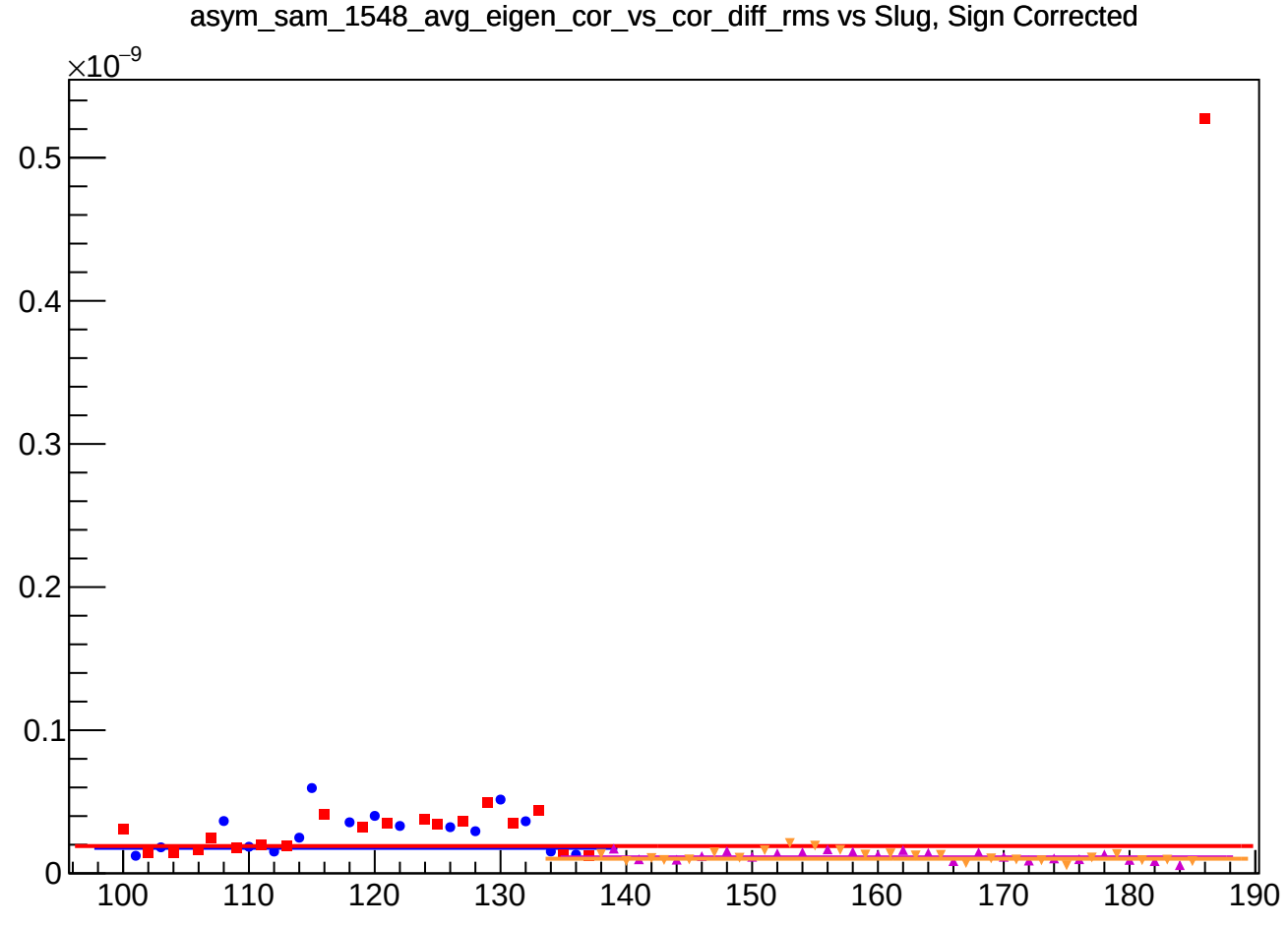
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

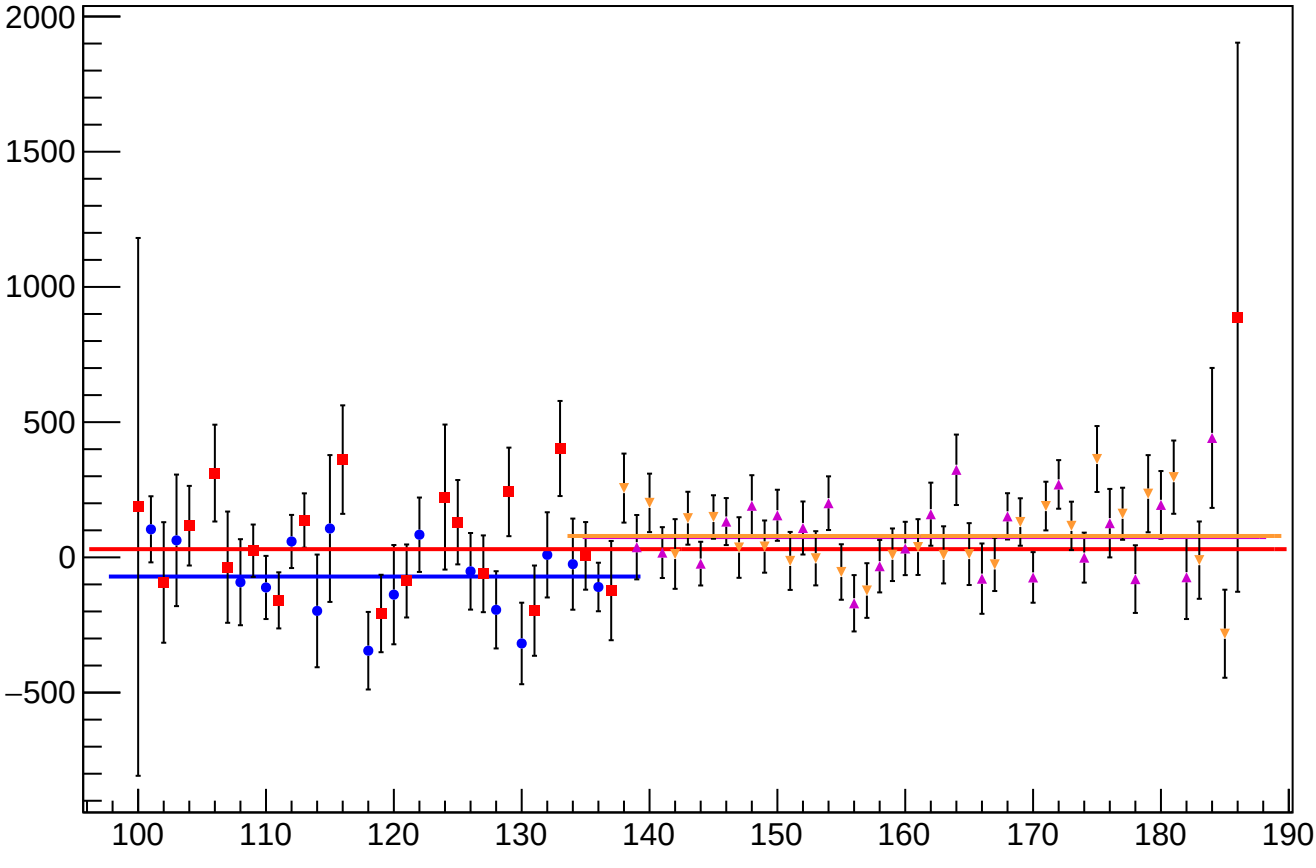
Right: 0.000+/-0.000 χ^2/NDF: 44.3/35

In: 0.000+/-0.000 χ^2/NDF:42.5/38

Out: 0.000+/-0.000 χ^2/NDF:51.0/44

All: 0.000+/-0.000 χ^2/NDF: 94.2/83


asym_sam_1548_avg_eigen_cor_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: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2257651.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1883840.3/19
Left In: 0.000+/-0.000 χ²/NDF:1536588.2/22
Left: 0.000+/-0.000 χ²/NDF: 3895034.6/47
Right: 0.000+/-0.000 χ²/NDF: 3773356.4/35
In: 0.000+/-0.000 χ²/NDF:4443399.4/38
Out: 0.000+/-0.000 χ²/NDF:5847704.8/44
All: 0.000+/-0.000 χ²/NDF: 10395613.0/83



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

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

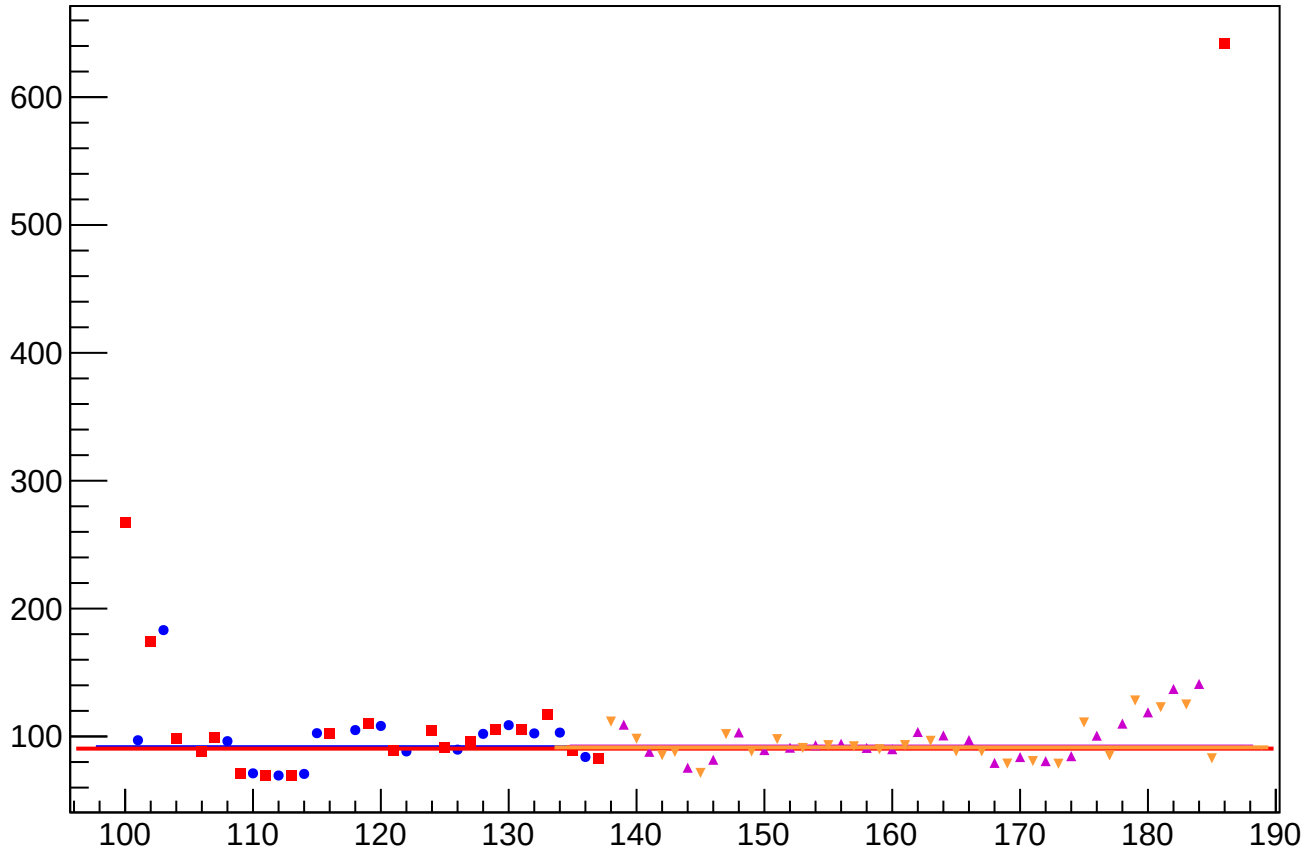
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -18.941+/-24.511 χ^2/NDF: 43.0/35

In: 34.361+/-18.545 χ^2/NDF:59.1/38

Out: 65.679+/-17.962 χ^2/NDF:58.2/44

All: 50.520+/-12.902 χ^2/NDF: 118.8/83



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

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

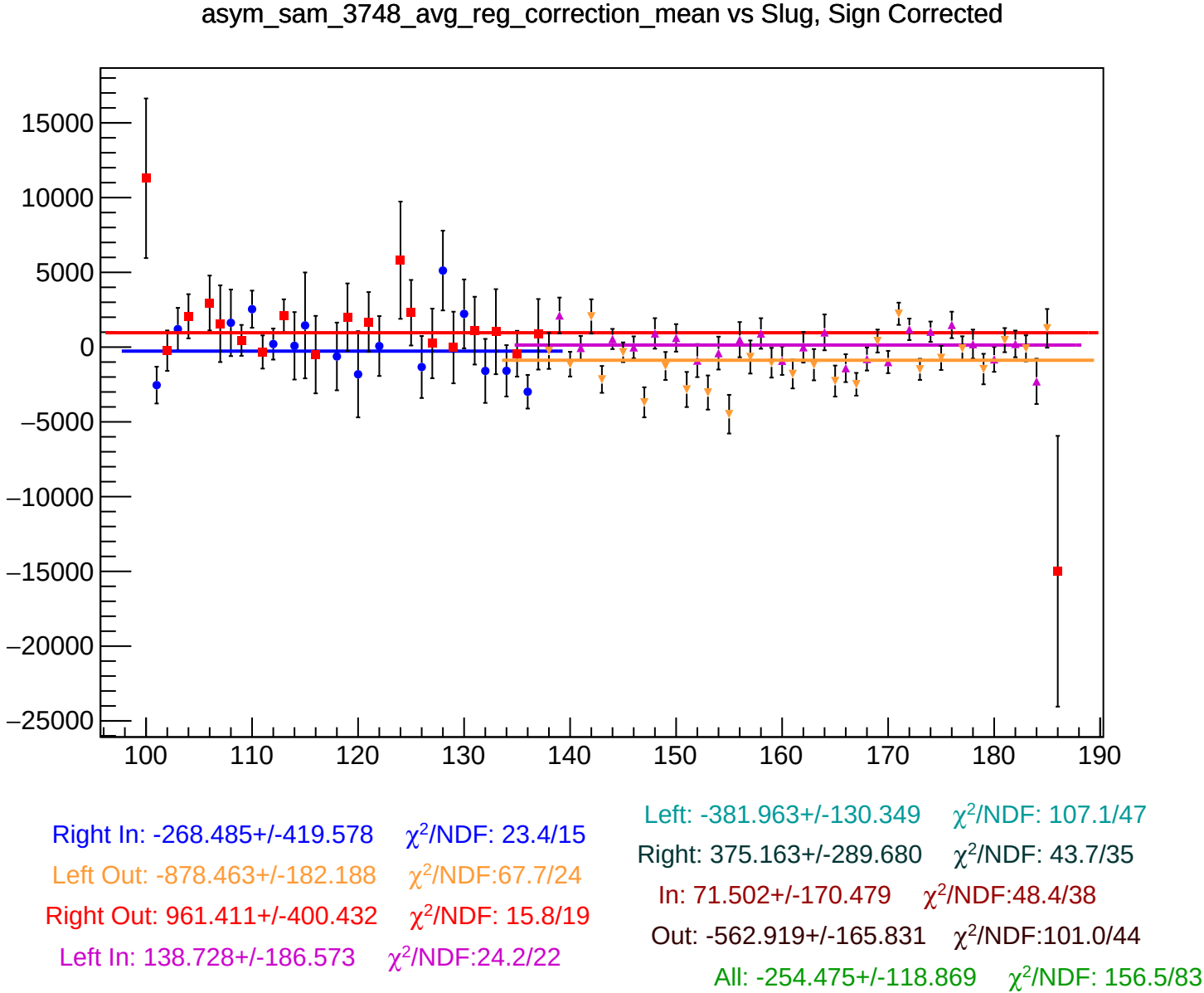
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

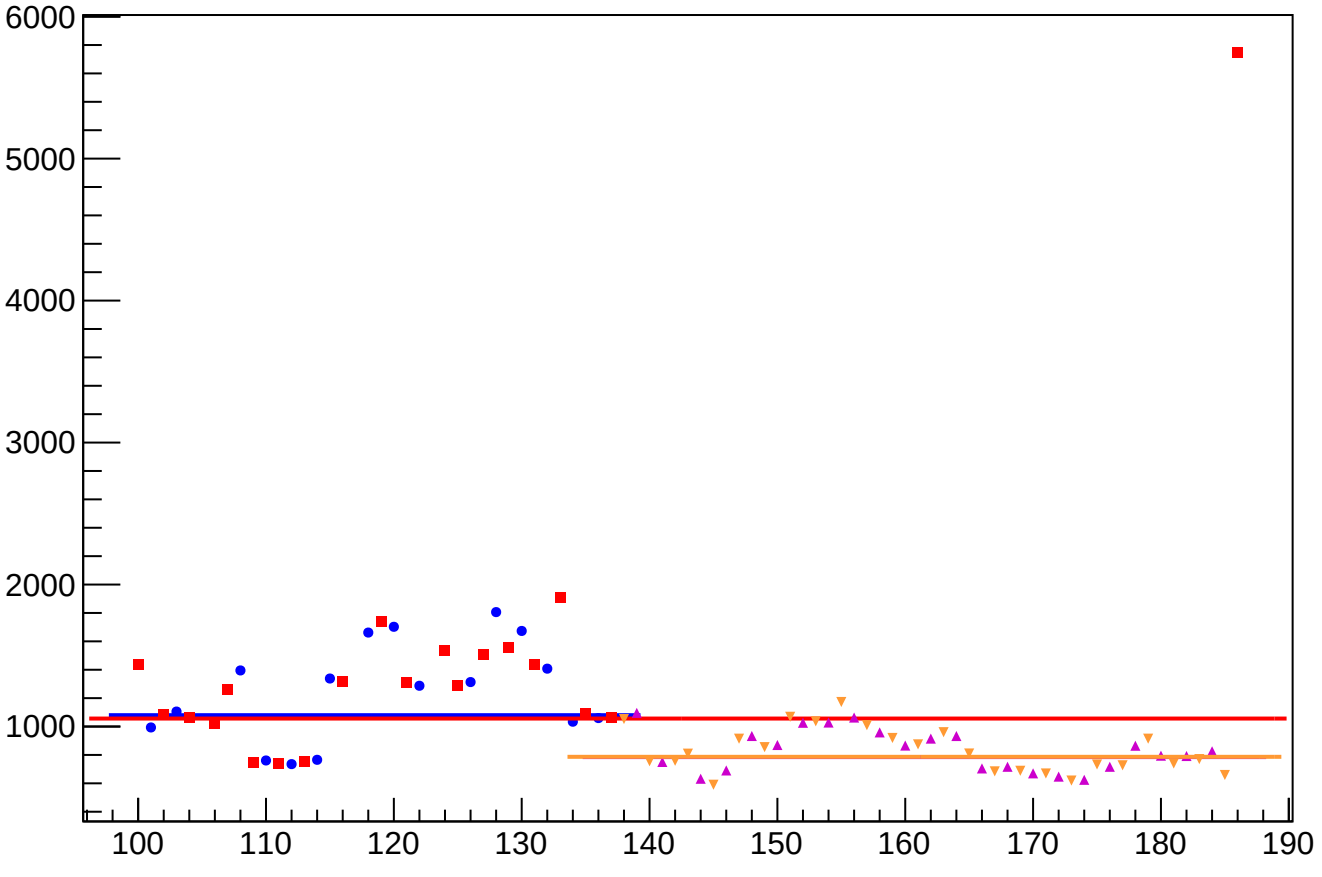
Right: 91.030+/-0.017 χ^2/NDF: 1918635.0/35

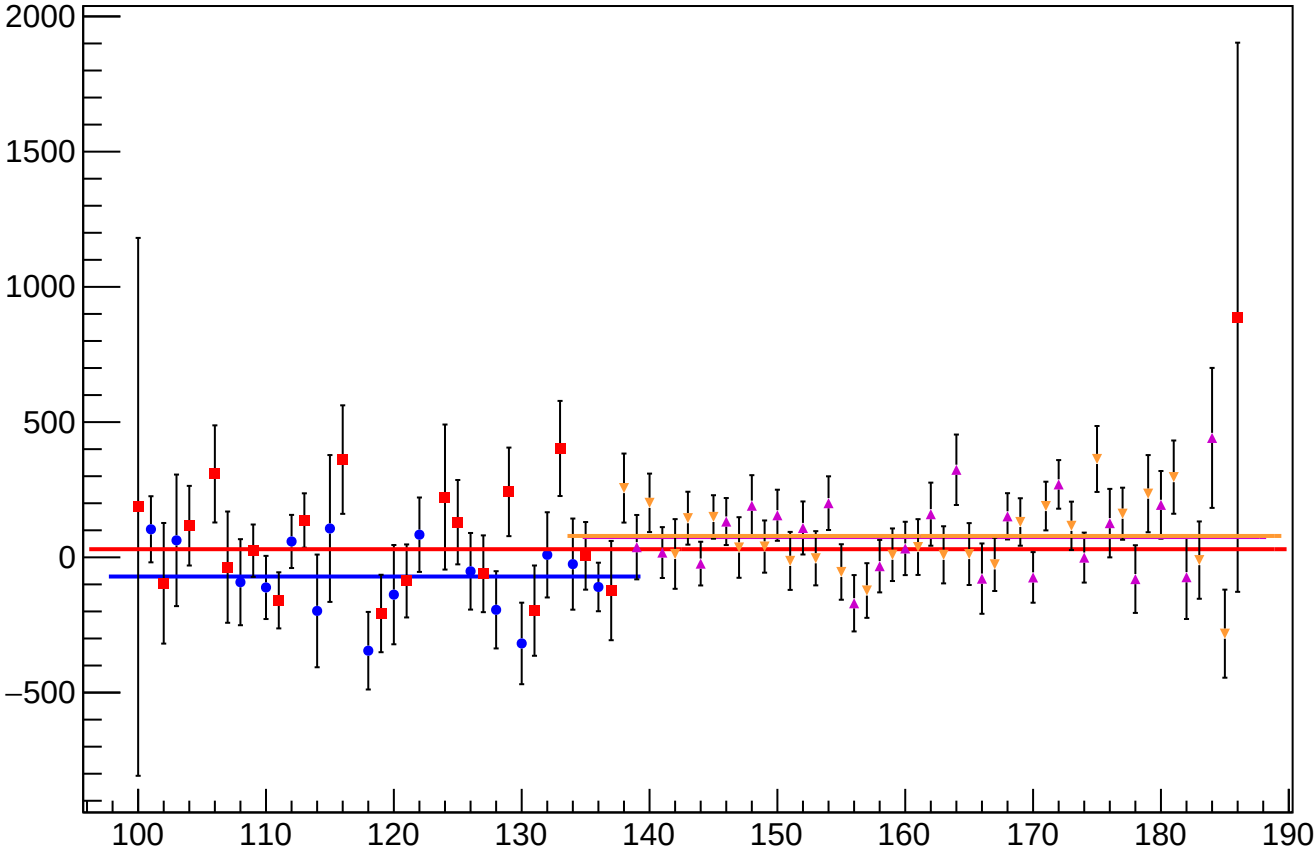
In: 91.963+/-0.013 χ^2/NDF:1280546.4/38

Out: 91.192+/-0.013 χ^2/NDF:2089309.2/44

All: 91.565+/-0.009 χ^2/NDF: 3371641.1/83


asym_sam_3748_avg_reg_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: -268.485+/-419.578 χ²/NDF: 23.4/15
Left Out: -878.463+/-182.188 χ²/NDF:67.7/24
Right Out: 961.411+/-400.432 χ²/NDF: 15.8/19
Left In: 138.728+/-186.573 χ²/NDF:24.2/22
Left: -381.963+/-130.349 χ²/NDF: 107.1/47
Right: 375.163+/-289.680 χ²/NDF: 43.7/35
In: 71.502+/-170.479 χ²/NDF:48.4/38
Out: -562.919+/-165.831 χ²/NDF:101.0/44
All: -254.475+/-118.869 χ²/NDF: 156.5/83


asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1080.045+/-0.297 χ²/NDF: 1053468.5/15
Left Out: 786.758+/-0.129 χ²/NDF:1210893.0/24
Right Out: 1056.258+/-0.283 χ²/NDF: 1736331.2/19
Left In: 784.833+/-0.132 χ²/NDF:1063747.2/22
Left: 785.819+/-0.092 χ²/NDF: 2274749.2/47
Right: 1067.596+/-0.205 χ²/NDF: 2793163.7/35
In: 833.569+/-0.121 χ²/NDF:2943850.6/38
Out: 832.978+/-0.117 χ²/NDF:3697774.7/44
All: 833.266+/-0.084 χ²/NDF: 6641637.6/83



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

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

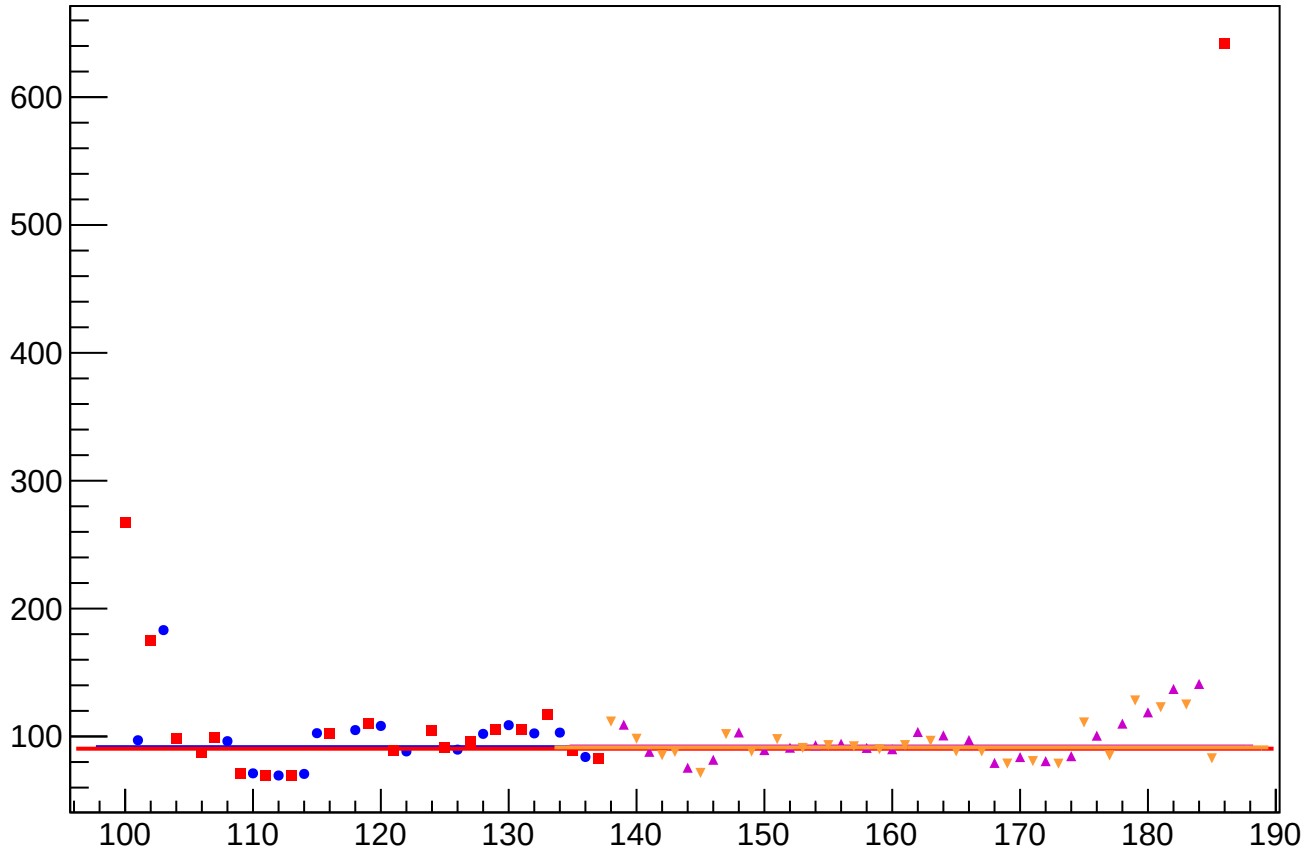
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -19.081+/-24.513 χ^2/NDF: 43.0/35

In: 34.359+/-18.545 χ^2/NDF:59.1/38

Out: 65.619+/-17.963 χ^2/NDF:58.1/44

All: 50.487+/-12.902 χ^2/NDF: 118.7/83



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

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

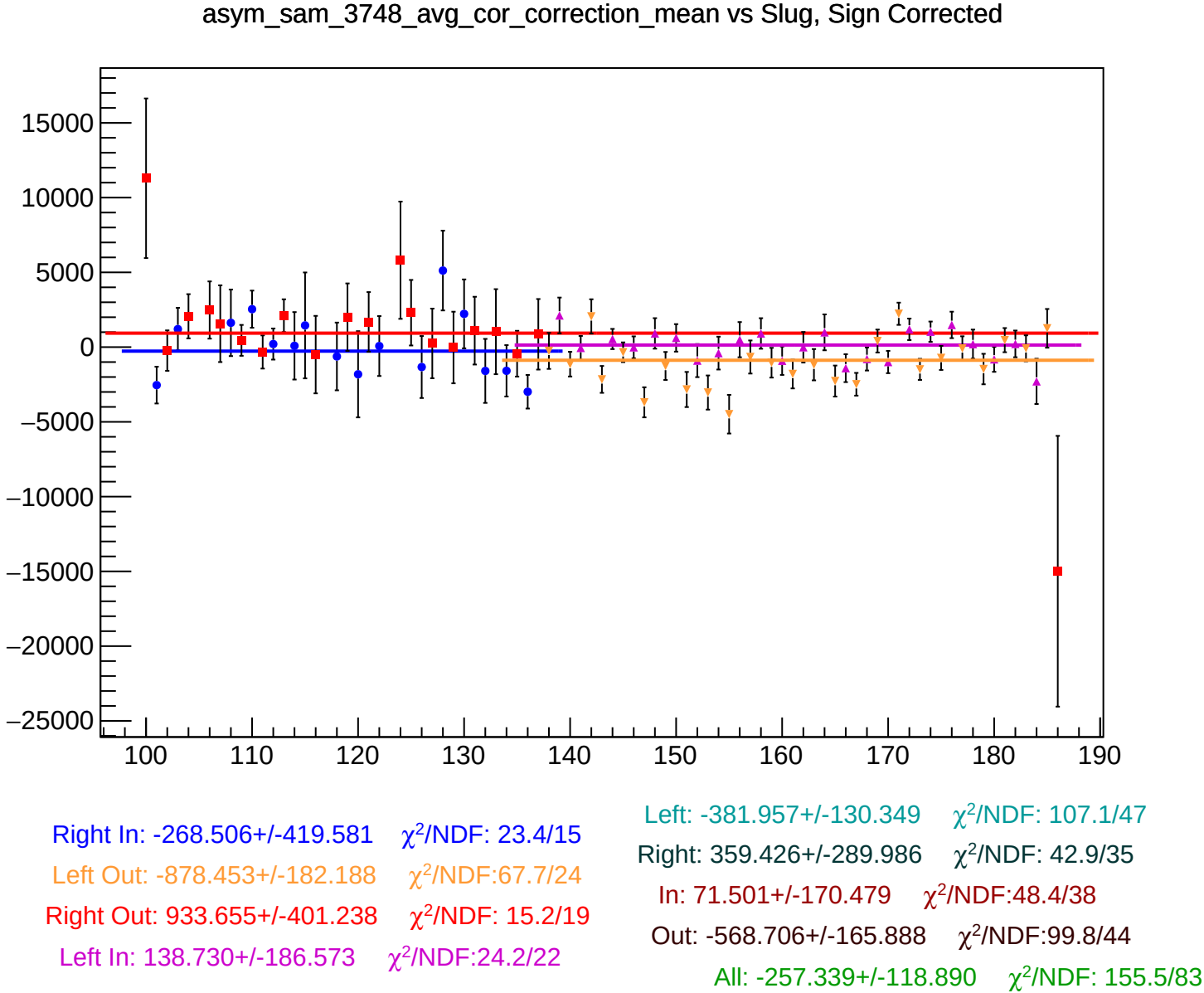
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

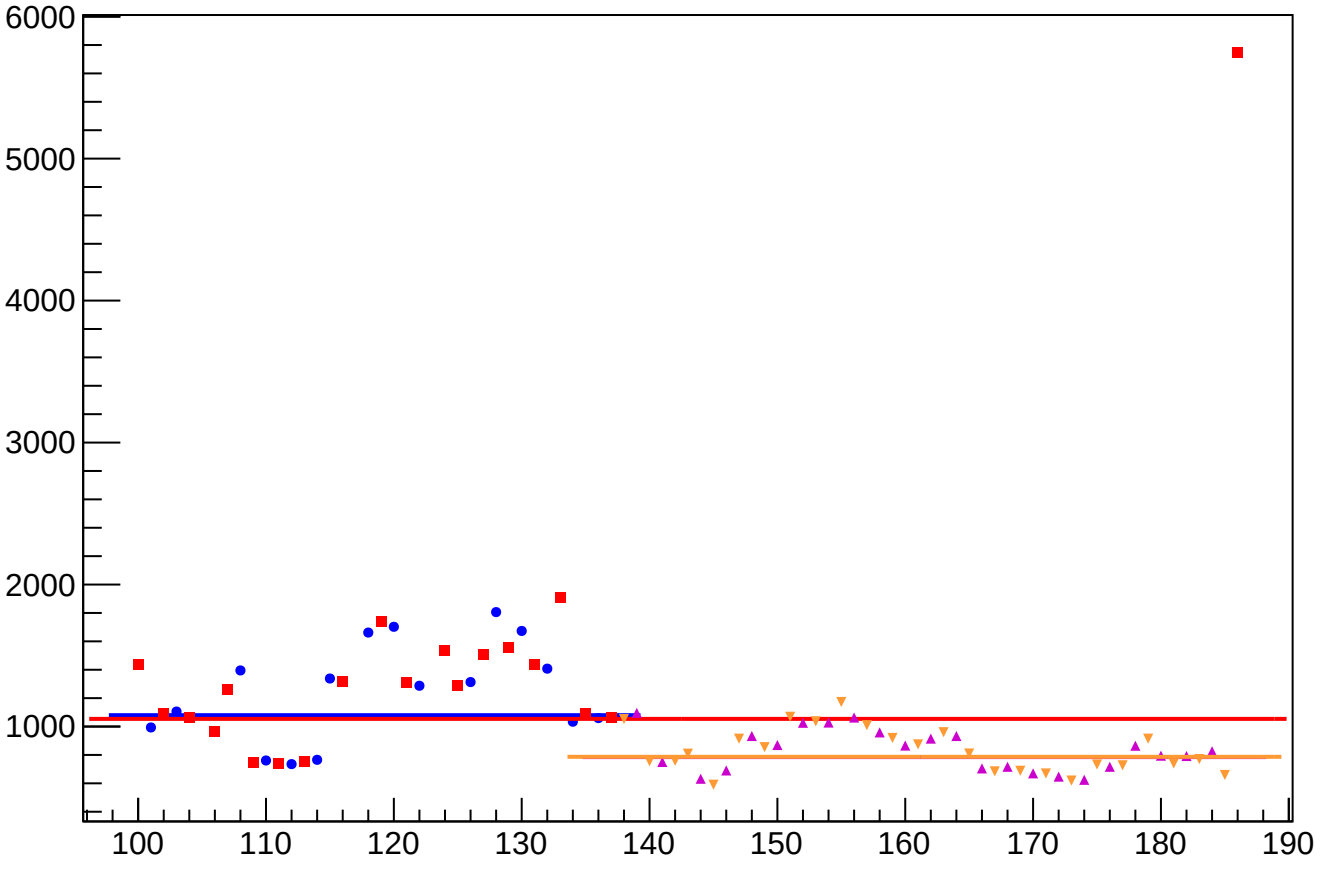
Right: 91.006+/-0.017 χ^2/NDF: 1919374.0/35

In: 91.963+/-0.013 χ^2/NDF:1280549.6/38

Out: 91.179+/-0.013 χ^2/NDF:2090072.1/44

All: 91.558+/-0.009 χ^2/NDF: 3372467.6/83


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: -268.506+/-419.581 χ²/NDF: 23.4/15
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: 359.426+/-289.986 χ²/NDF: 42.9/35
In: 71.501+/-170.479 χ²/NDF:48.4/38
Out: -568.706+/-165.888 χ²/NDF:99.8/44
All: -257.339+/-118.890 χ²/NDF: 155.5/83



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

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

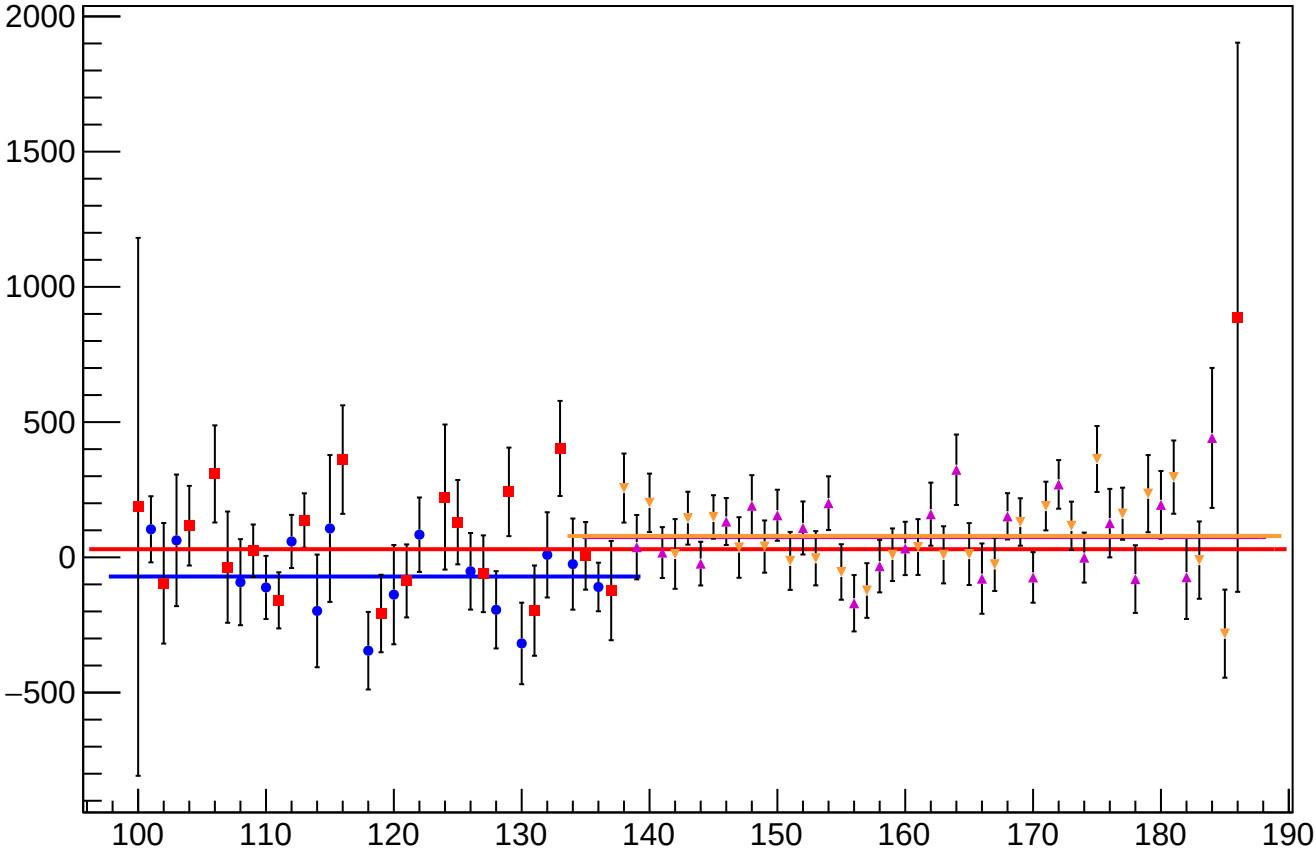
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1066.418+/-0.205 χ^2/NDF: 2797563.5/35

In: 833.570+/-0.121 χ^2/NDF:2943892.7/38

Out: 832.430+/-0.117 χ^2/NDF:3686225.5/44

All: 832.984+/-0.084 χ^2/NDF: 6630164.2/83



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

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

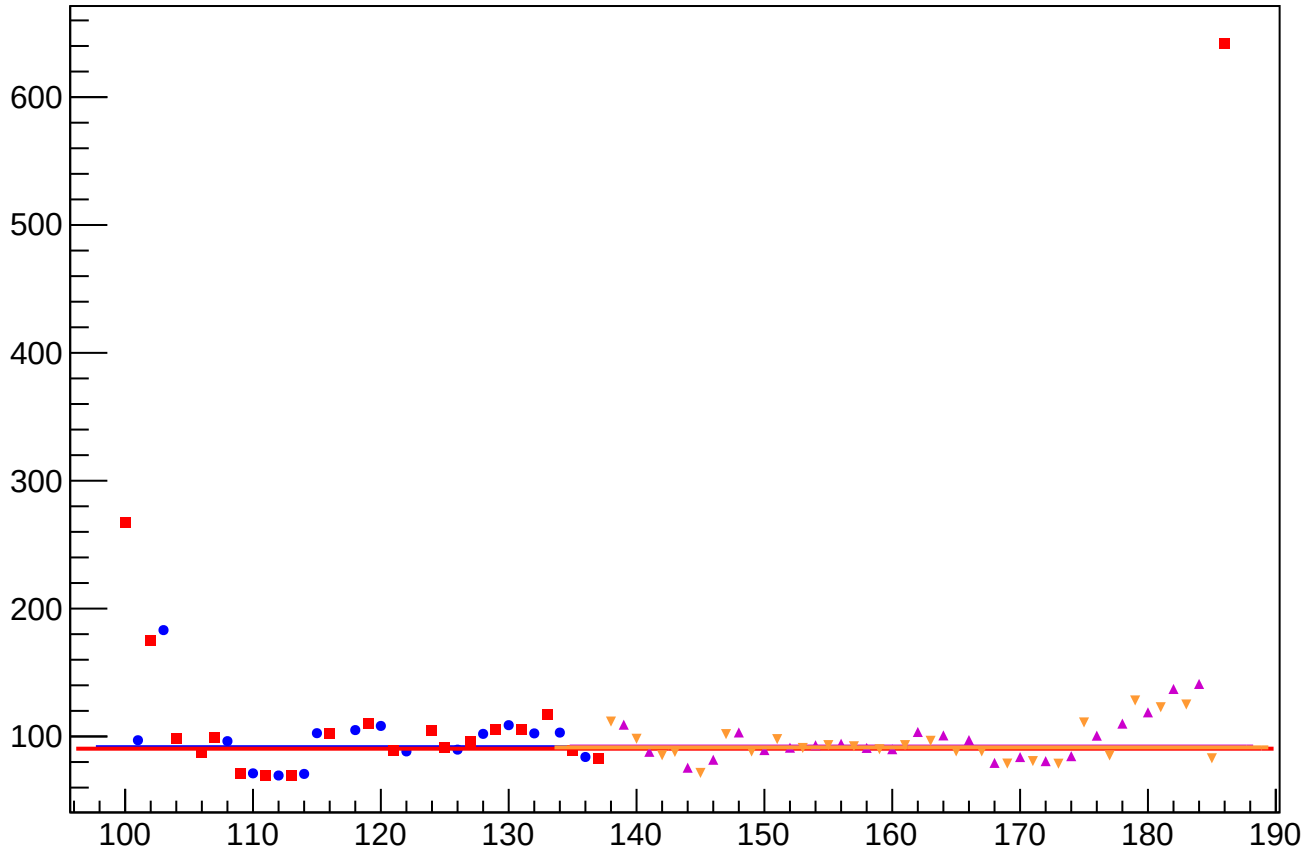
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -19.081+/-24.513 χ^2/NDF: 43.0/35

In: 34.359+/-18.545 χ^2/NDF:59.1/38

Out: 65.619+/-17.963 χ^2/NDF:58.1/44

All: 50.487+/-12.902 χ^2/NDF: 118.7/83



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

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

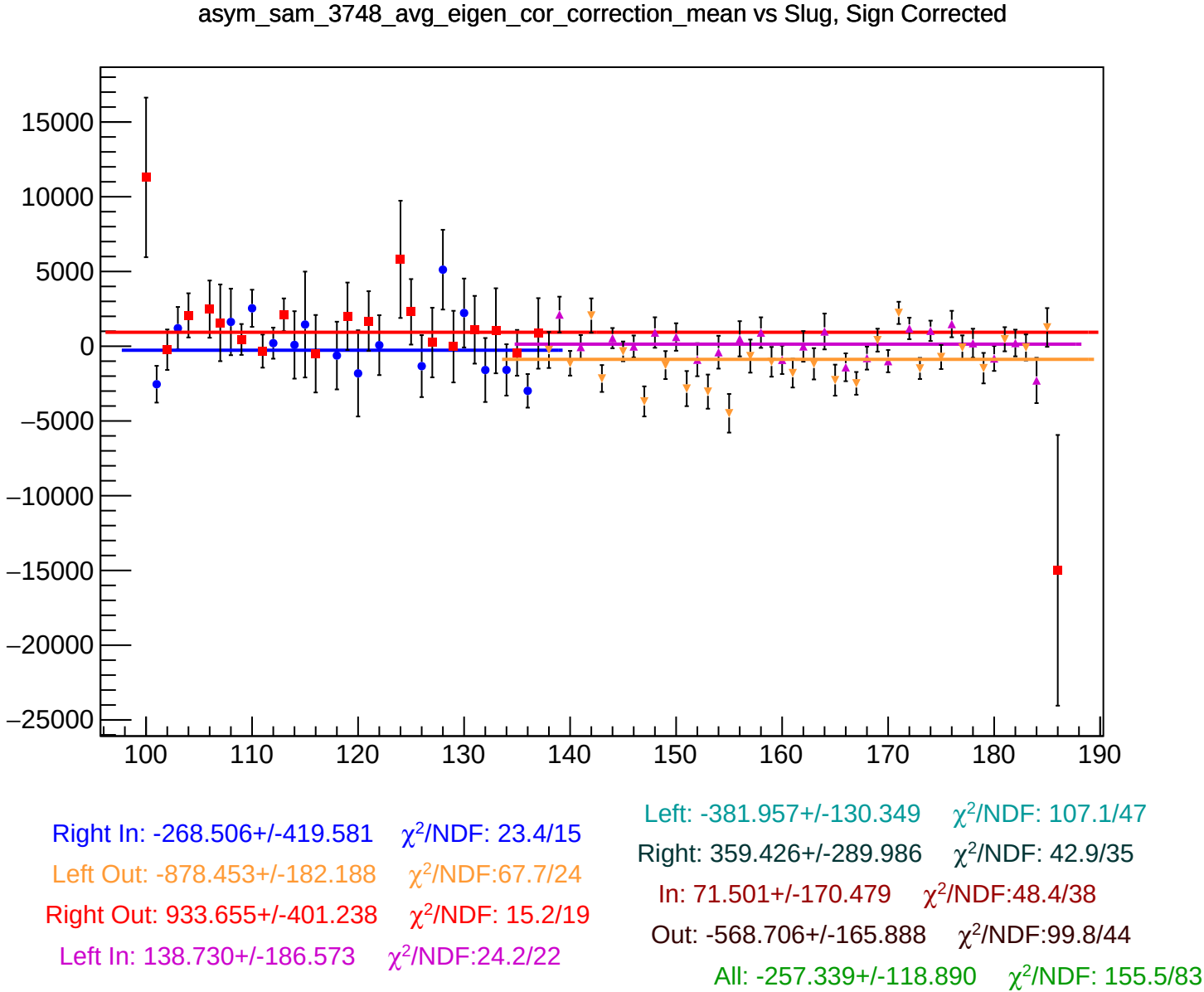
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 91.006+/-0.017 χ^2/NDF: 1919374.0/35

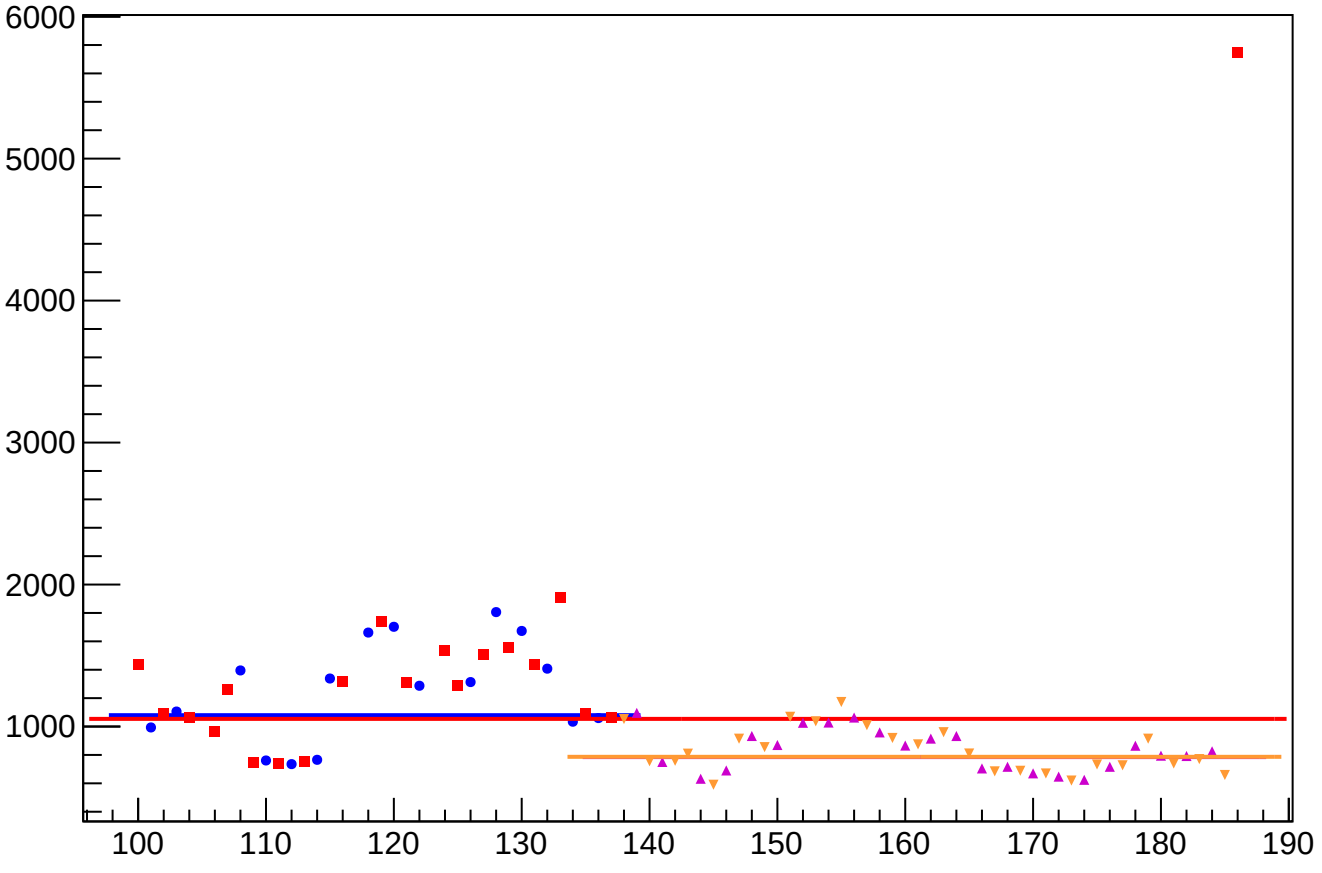
In: 91.963+/-0.013 χ^2/NDF:1280549.6/38

Out: 91.179+/-0.013 χ^2/NDF:2090072.1/44

All: 91.558+/-0.009 χ^2/NDF: 3372467.6/83


asym_sam_3748_avg_eigen_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: -268.506+/-419.581 χ²/NDF: 23.4/15
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: 359.426+/-289.986 χ²/NDF: 42.9/35
In: 71.501+/-170.479 χ²/NDF:48.4/38
Out: -568.706+/-165.888 χ²/NDF:99.8/44
All: -257.339+/-118.890 χ²/NDF: 155.5/83

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

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

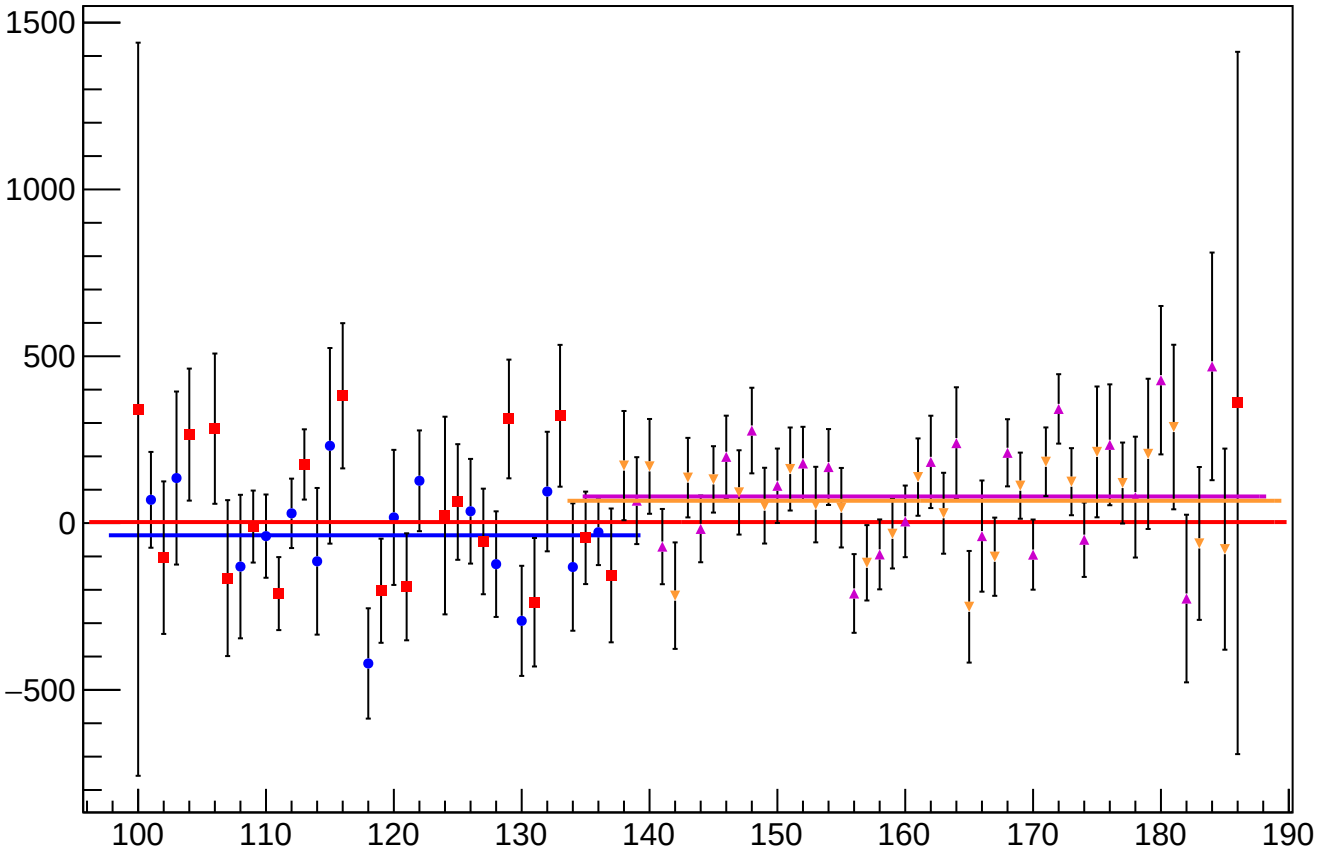
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1066.418+/-0.205 χ^2/NDF: 2797563.5/35

In: 833.570+/-0.121 χ^2/NDF:2943892.7/38

Out: 832.430+/-0.117 χ^2/NDF:3686225.5/44

All: 832.984+/-0.084 χ^2/NDF: 6630164.2/83



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

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

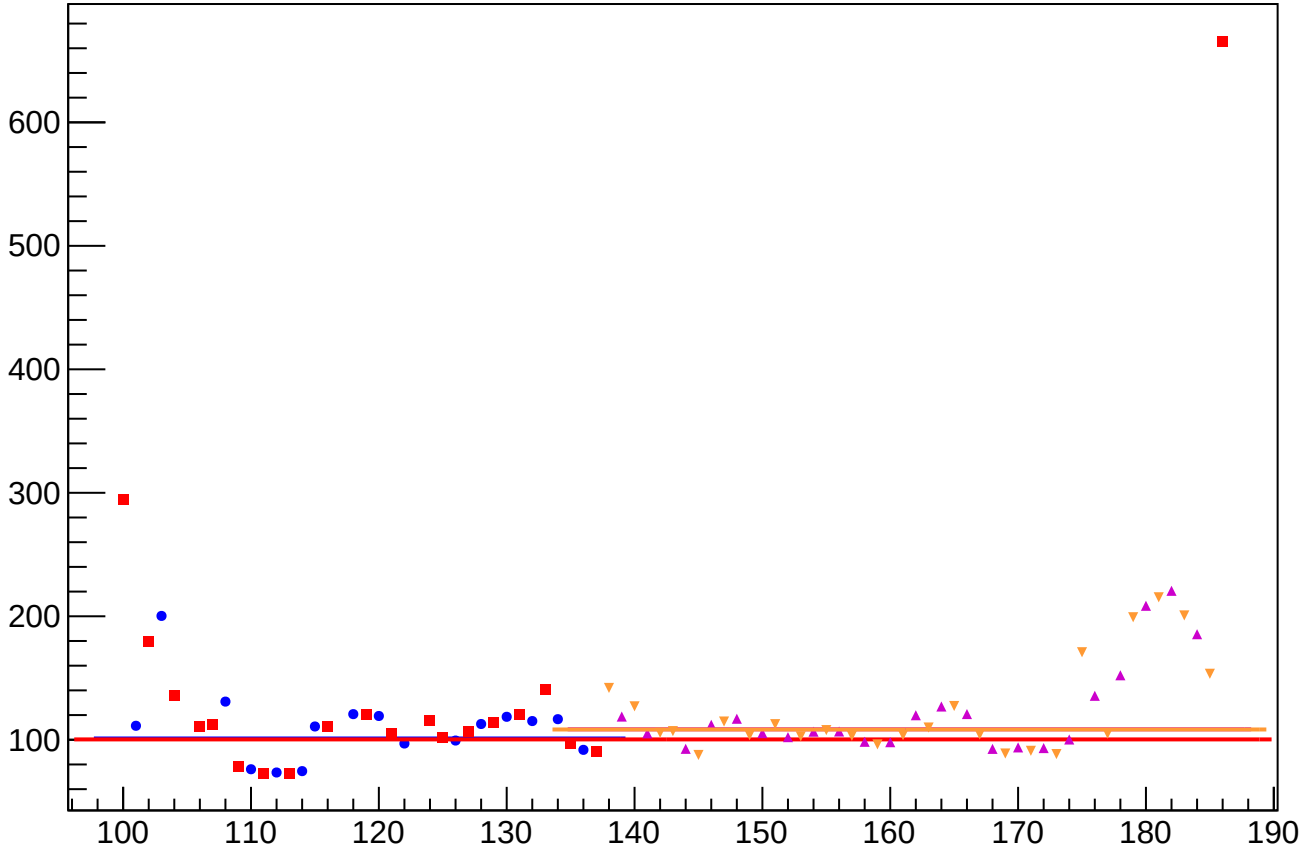
Right: -16.339+/-27.265 χ^2/NDF: 38.3/35

In: 43.384+/-21.803 χ^2/NDF:56.0/38

Out: 47.079+/-21.246 χ^2/NDF:46.4/44

All: 45.279+/-15.216 χ^2/NDF: 102.4/83

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 108.330+/-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

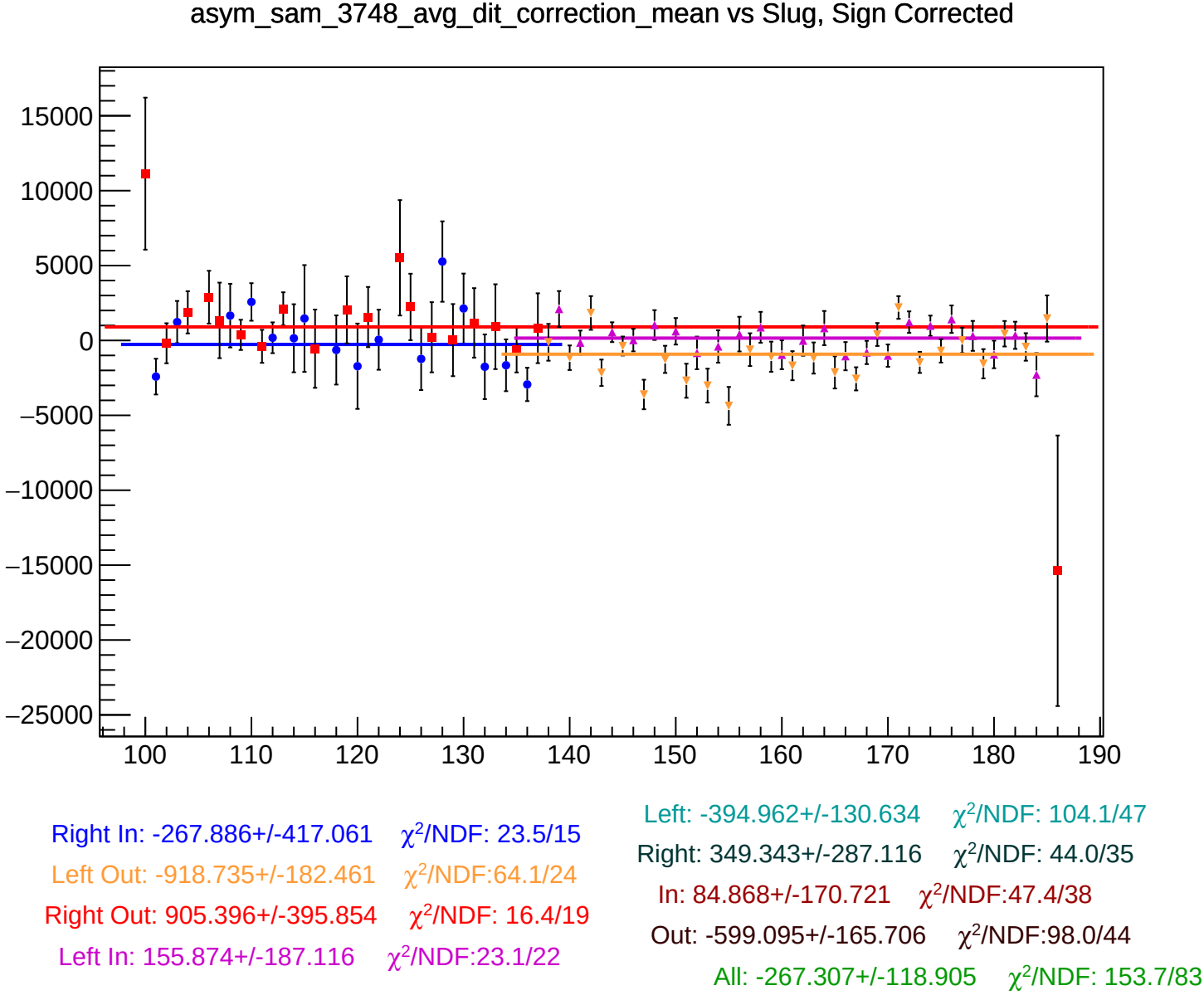
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

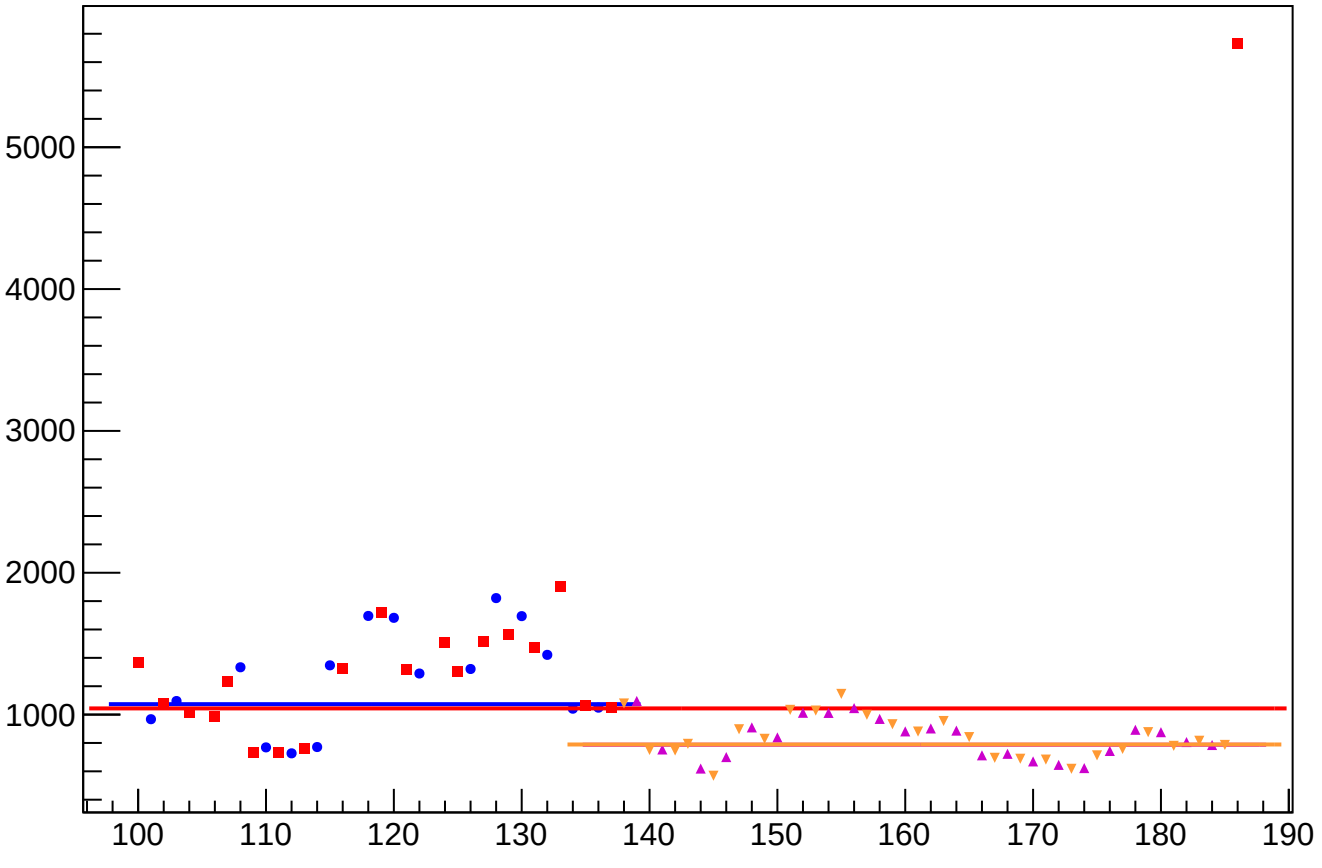
Right: 100.652+/-0.019 χ^2/NDF: 2174310.5/35

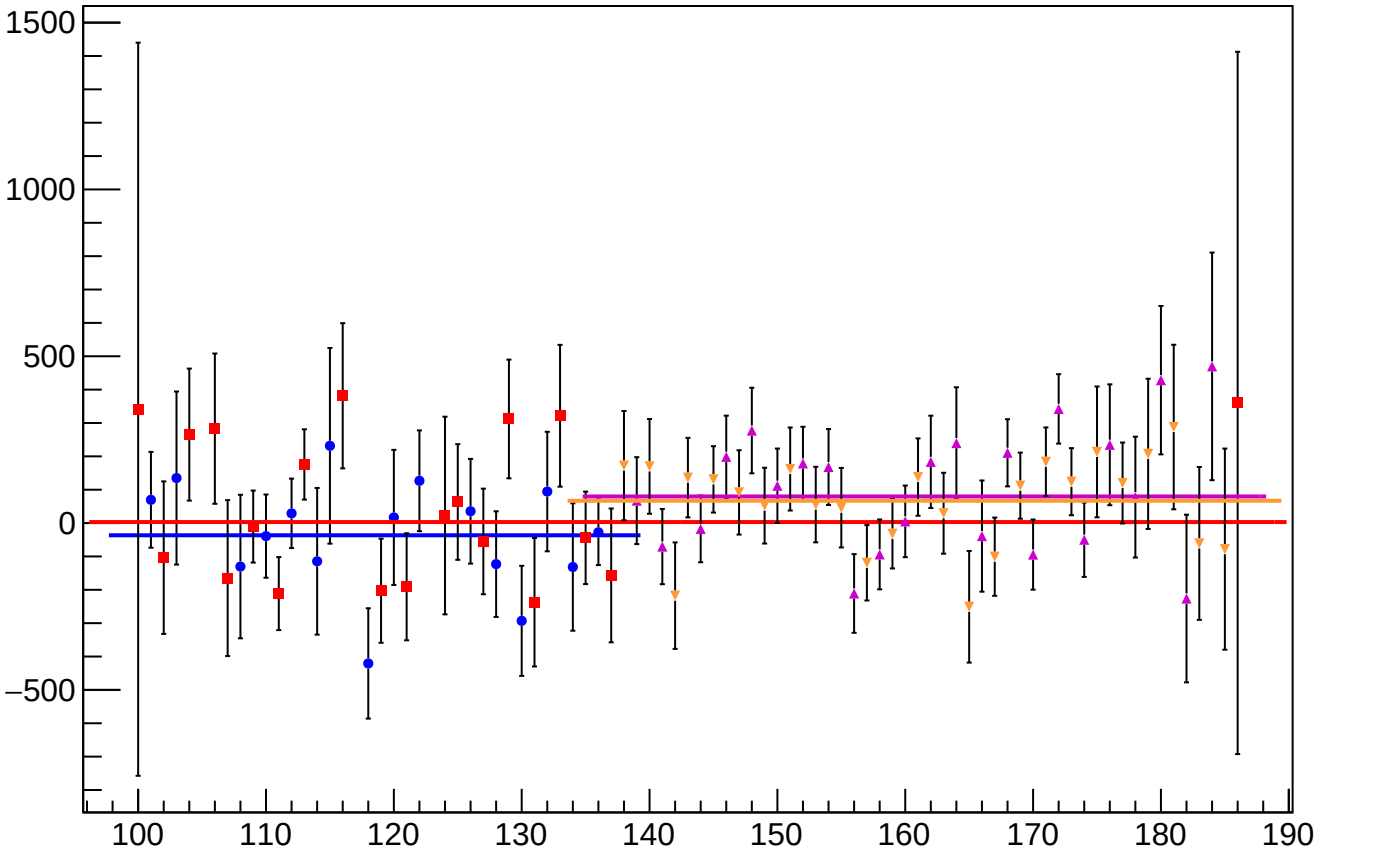
In: 106.159+/-0.015 χ^2/NDF:2145831.9/38

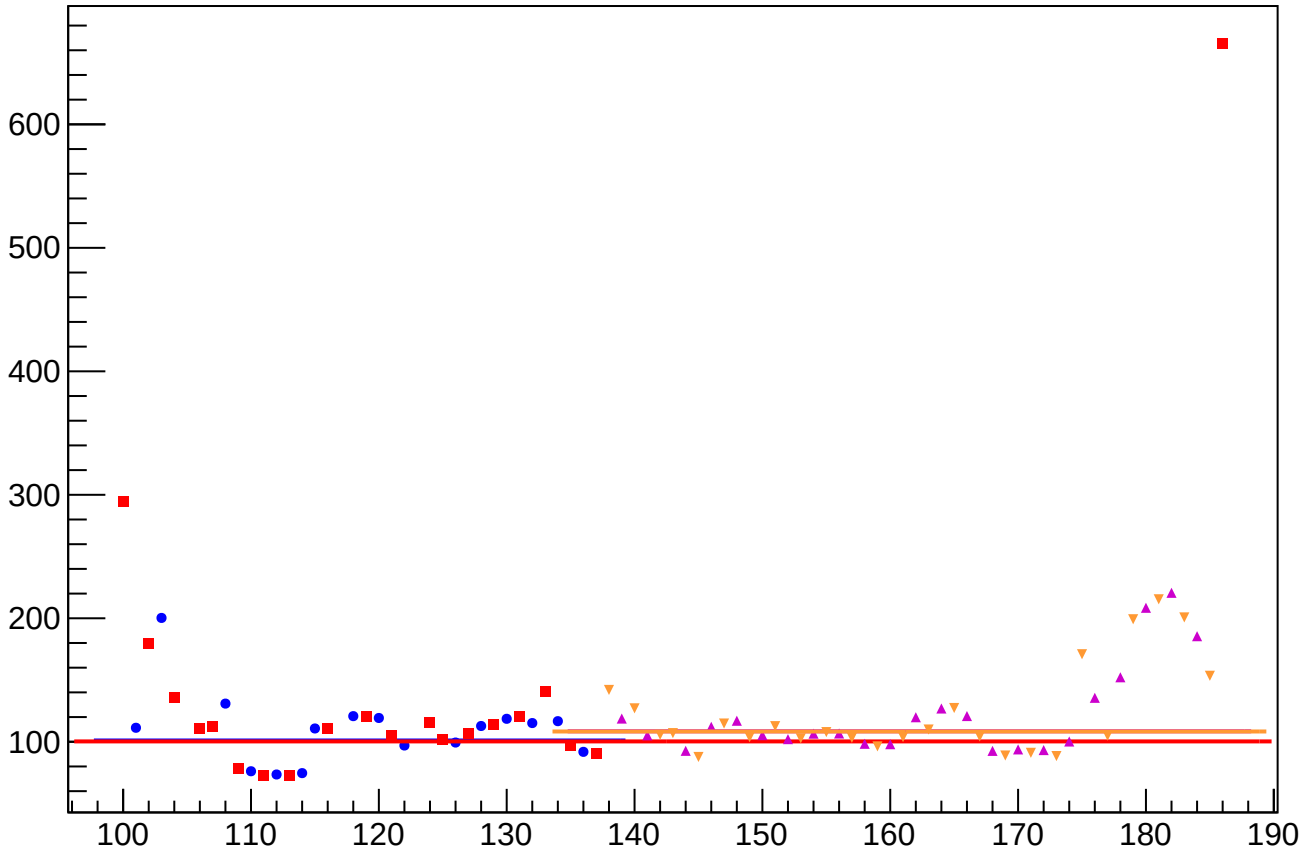
Out: 105.835+/-0.015 χ^2/NDF:3293741.8/44

All: 105.993+/-0.011 χ^2/NDF: 5439800.7/83


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: -267.886+/-417.061 χ²/NDF: 23.5/15
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: 349.343+/-287.116 χ²/NDF: 44.0/35
In: 84.868+/-170.721 χ²/NDF:47.4/38
Out: -599.095+/-165.706 χ²/NDF:98.0/44
All: -267.307+/-118.905 χ²/NDF: 153.7/83


asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1073.456+/-0.295 χ²/NDF: 1077055.9/15
Left Out: 789.250+/-0.129 χ²/NDF:1176799.1/24
Right Out: 1043.556+/-0.280 χ²/NDF: 1769024.0/19
Left In: 787.390+/-0.132 χ²/NDF:1041390.9/22
Left: 788.343+/-0.092 χ²/NDF: 2218291.4/47
Right: 1057.726+/-0.203 χ²/NDF: 2851487.5/35
In: 835.323+/-0.121 χ²/NDF:2901722.2/38
Out: 833.811+/-0.117 χ²/NDF:3626606.7/44
All: 834.545+/-0.084 χ²/NDF: 6528409.7/83


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
190
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 66.898+/-25.584 χ²/NDF:19.6/24
Right Out: 3.035+/-38.140 χ²/NDF: 24.9/19
Left In: 79.766+/-26.299 χ²/NDF:36.9/22
Left: 73.154+/-18.338 χ²/NDF: 56.7/47
Right: -16.340+/-27.265 χ²/NDF: 38.3/35
In: 43.384+/-21.803 χ²/NDF:56.0/38
Out: 47.079+/-21.246 χ²/NDF:46.4/44
All: 45.279+/-15.216 χ²/NDF: 102.4/83



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

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

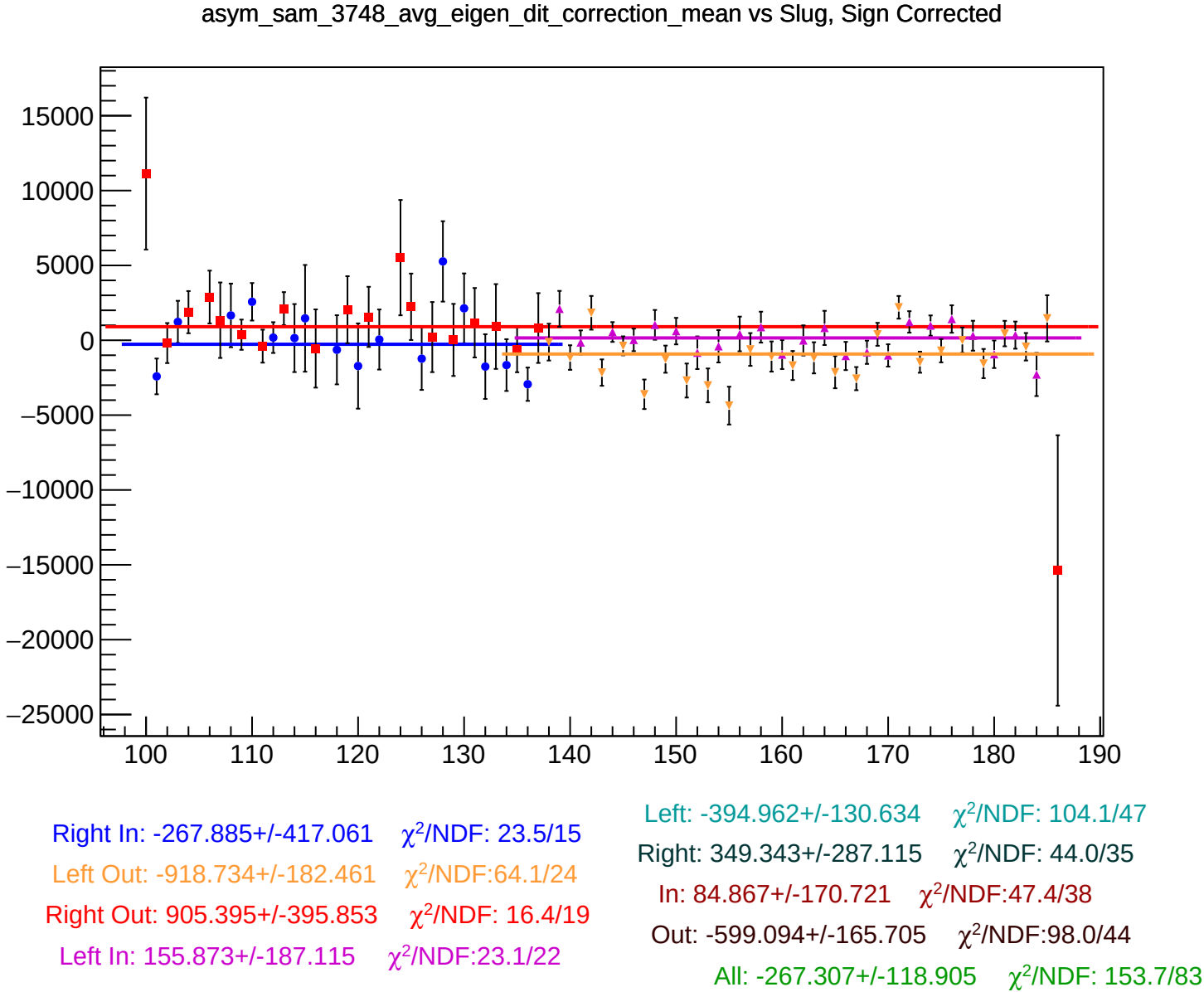
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 100.653+/-0.019 χ^2/NDF: 2174310.5/35

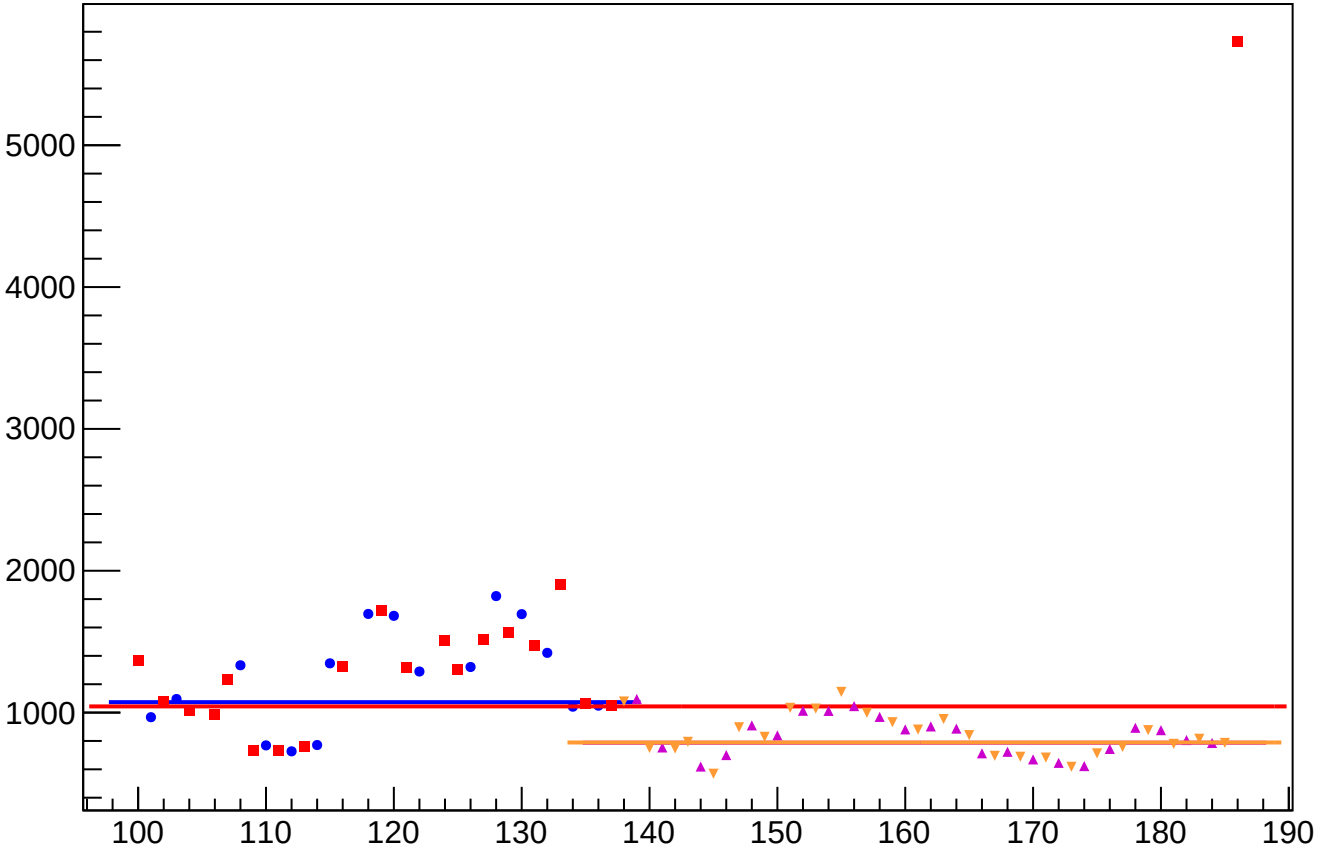
In: 106.160+/-0.015 χ^2/NDF:2145813.8/38

Out: 105.835+/-0.015 χ^2/NDF:3293740.5/44

All: 105.993+/-0.011 χ^2/NDF: 5439781.3/83


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: -267.885+/-417.061 χ²/NDF: 23.5/15
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: 349.343+/-287.115 χ²/NDF: 44.0/35
In: 84.867+/-170.721 χ²/NDF:47.4/38
Out: -599.094+/-165.705 χ²/NDF:98.0/44
All: -267.307+/-118.905 χ²/NDF: 153.7/83

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 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

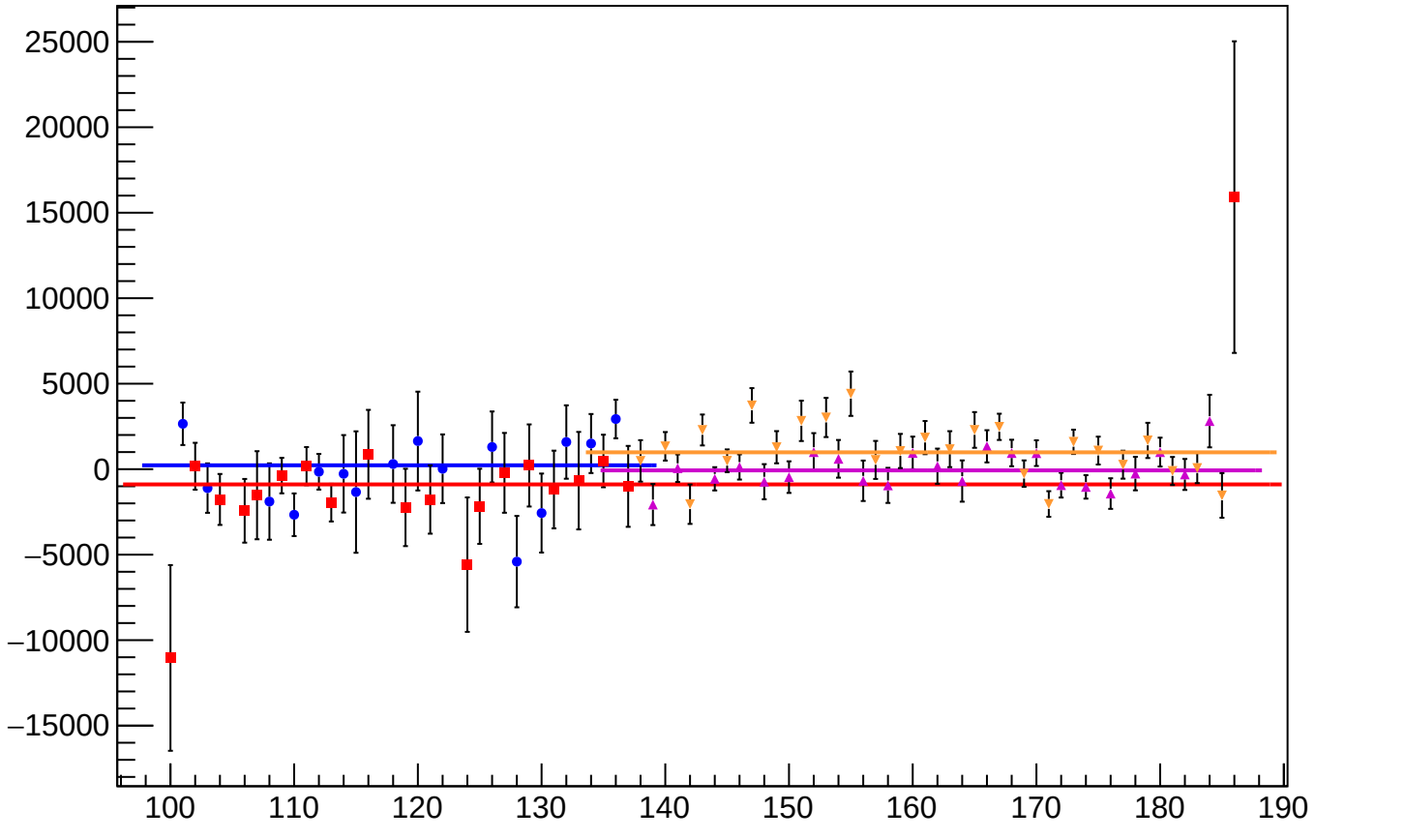
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1057.725+/-0.203 χ^2/NDF: 2851495.7/35

In: 835.322+/-0.121 χ^2/NDF:2901727.7/38

Out: 833.810+/-0.117 χ^2/NDF:3626612.6/44

All: 834.543+/-0.084 χ^2/NDF: 6528421.0/83



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

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

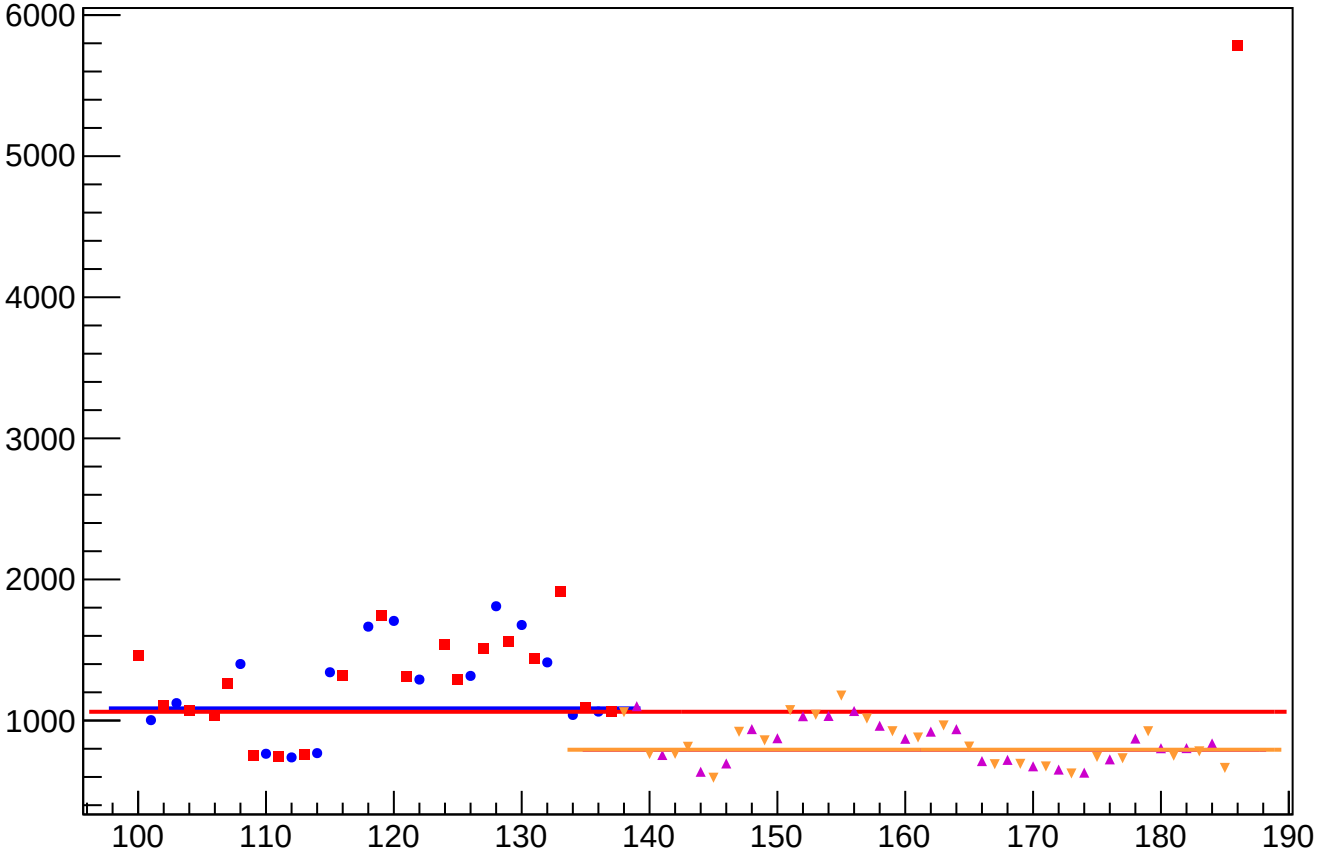
Right: -357.567+/-291.286 χ^2/NDF: 42.7/35

In: -20.760+/-171.746 χ^2/NDF:49.3/38

Out: 662.743+/-167.058 χ^2/NDF:96.3/44

All: 330.447+/-119.751 χ^2/NDF: 153.7/83

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

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

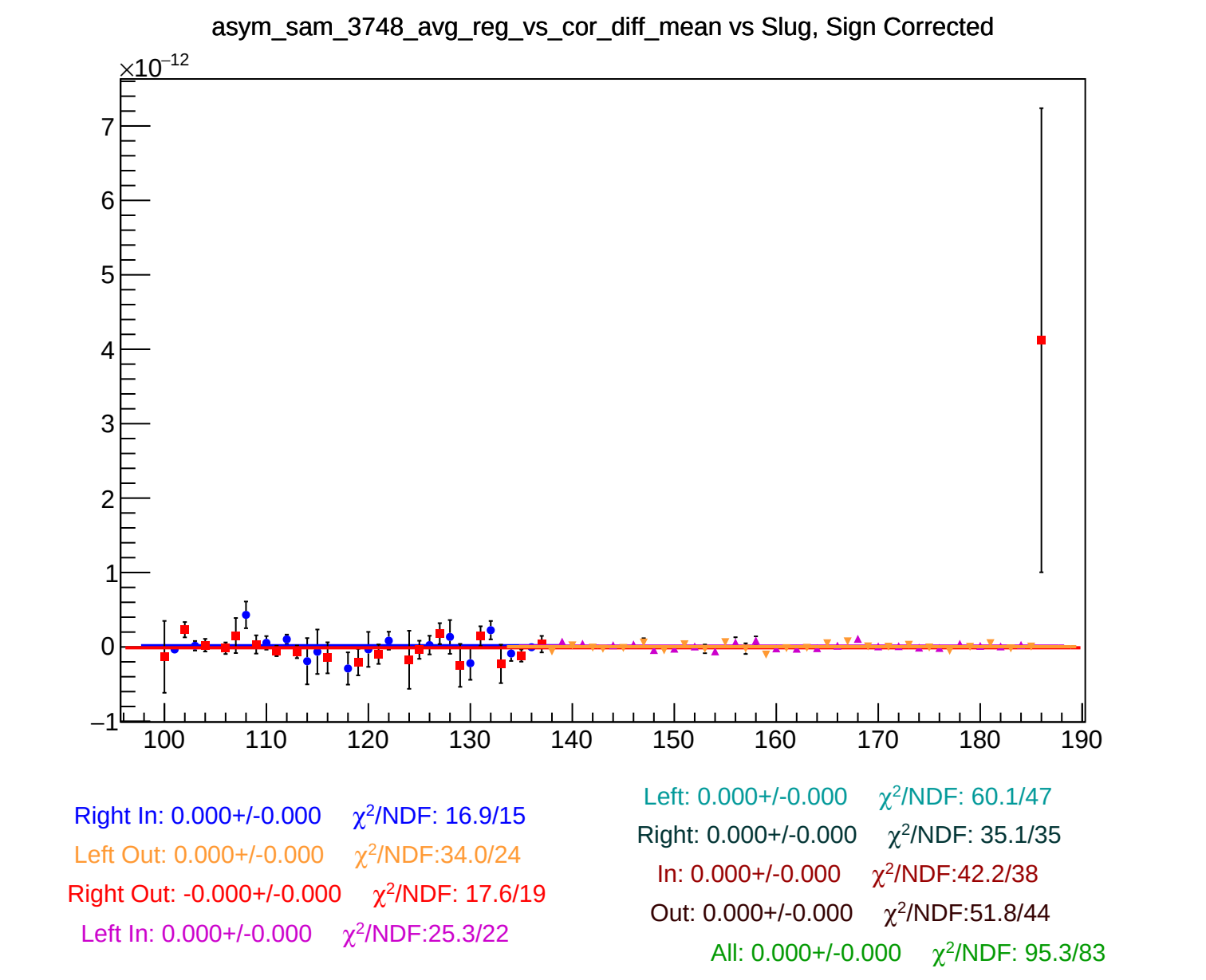
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

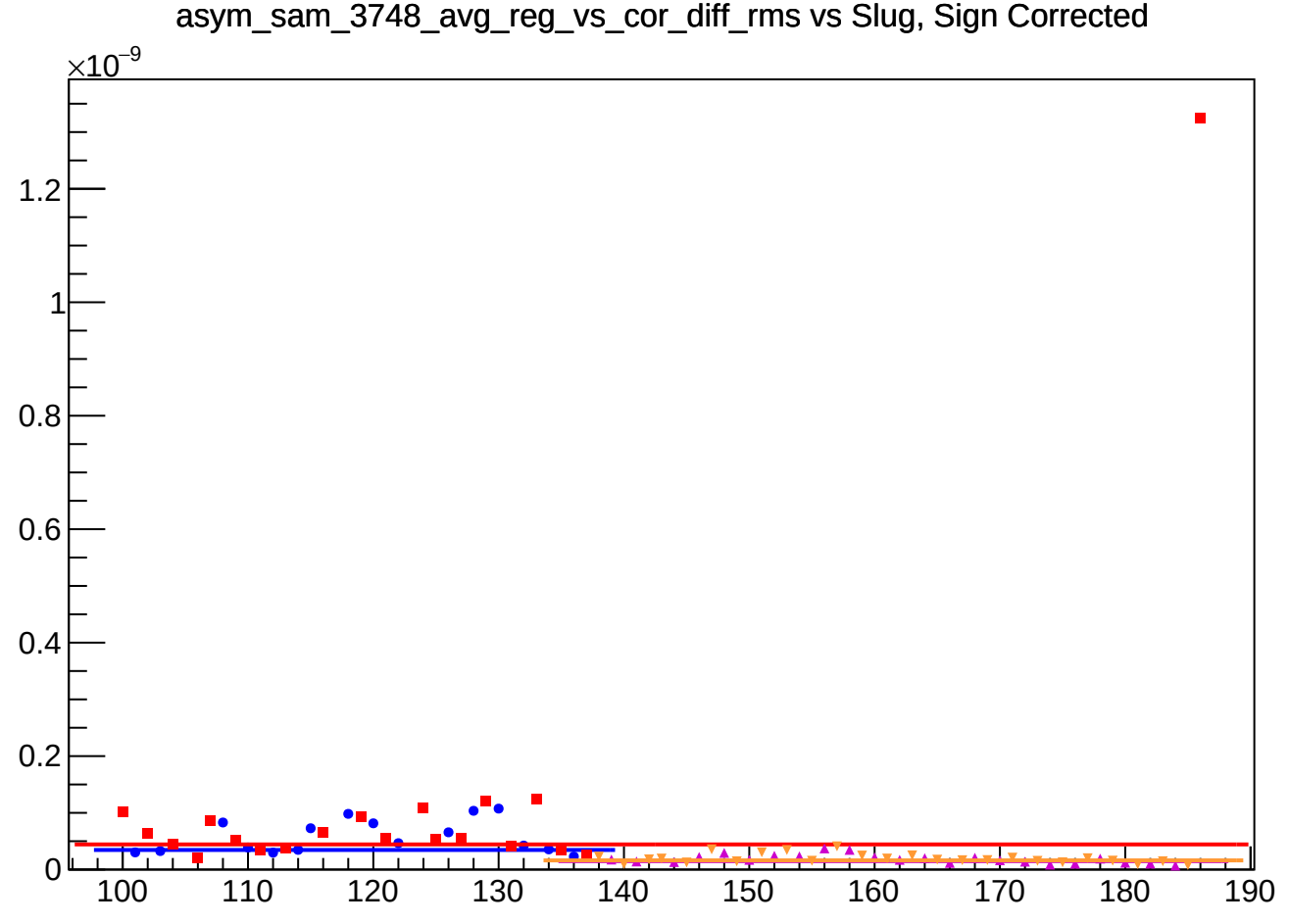
Right: 1073.545+/-0.206 χ^2/NDF: 2783205.3/35

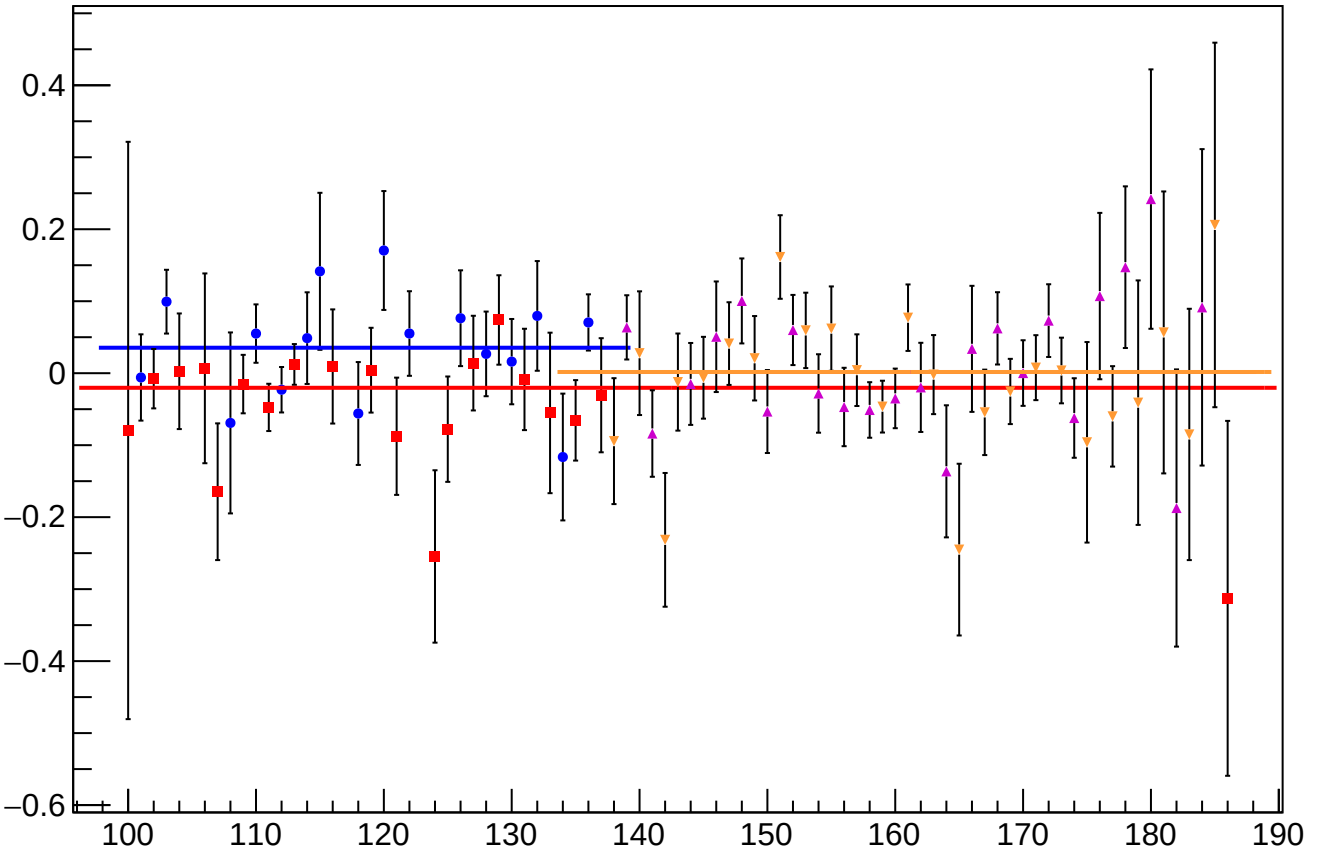
In: 840.052+/-0.121 χ^2/NDF:2912457.1/38

Out: 839.346+/-0.118 χ^2/NDF:3665202.8/44

All: 839.689+/-0.085 χ^2/NDF: 6577677.2/83


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: 16.9/15
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: 35.1/35
In: 0.000+/-0.000 χ²/NDF:42.2/38
Out: 0.000+/-0.000 χ²/NDF:51.8/44
All: 0.000+/-0.000 χ²/NDF: 95.3/83


asym_sam_3748_avg_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: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1725685.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 1410343.9/19
Left In: 0.000+/-0.000 χ²/NDF:1661952.2/22
Left: 0.000+/-0.000 χ²/NDF: 3428363.2/47
Right: 0.000+/-0.000 χ²/NDF: 2758390.3/35
In: 0.000+/-0.000 χ²/NDF:4349306.2/38
Out: 0.000+/-0.000 χ²/NDF:5207000.4/44
All: 0.000+/-0.000 χ²/NDF: 9600068.3/83



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

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

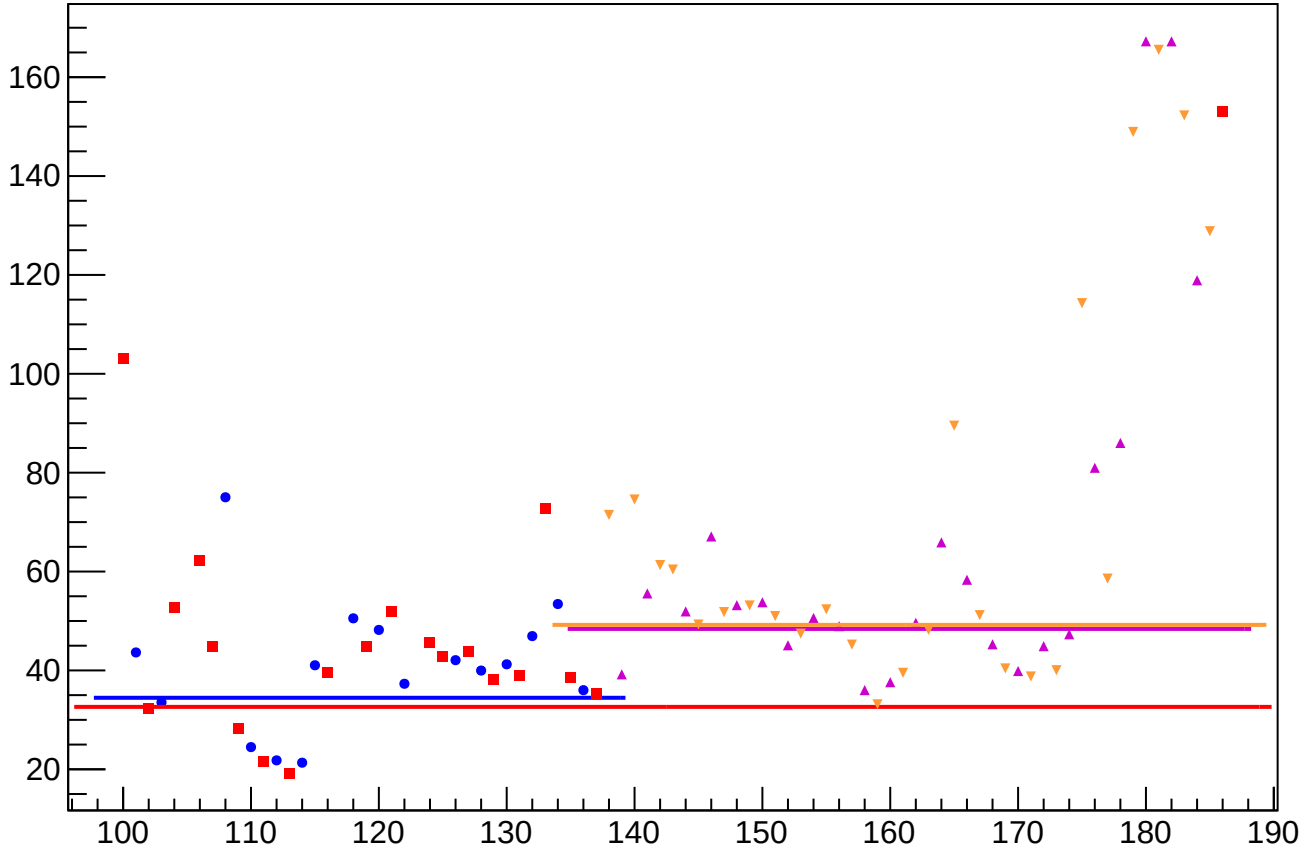
Right: 0.006+/-0.010 χ^2/NDF: 40.2/35

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 96.8/83

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

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

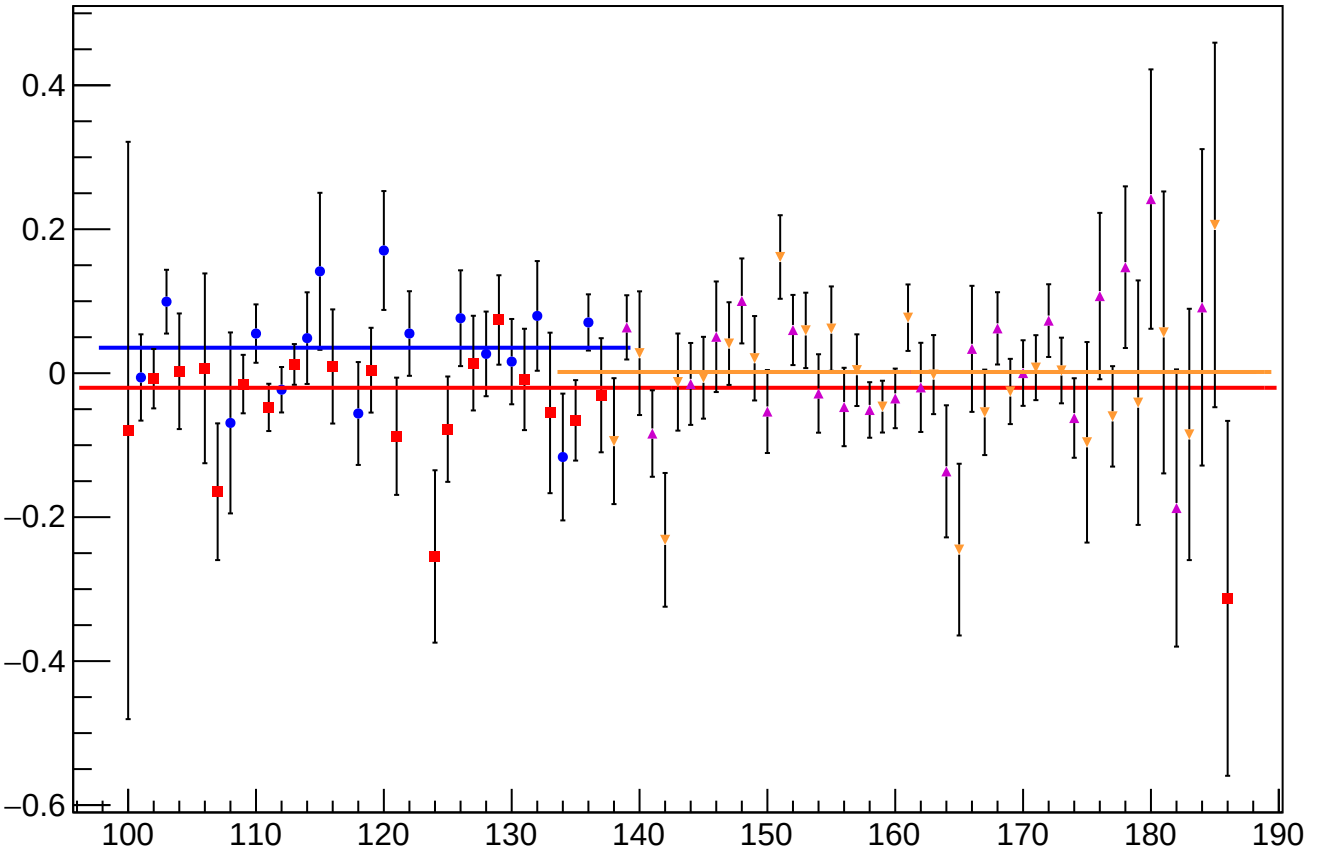
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 33.493+/-0.007 χ^2/NDF: 3340605.5/35

In: 42.234+/-0.007 χ^2/NDF:5325208.0/38

Out: 41.448+/-0.006 χ^2/NDF:8026975.6/44

All: 41.829+/-0.005 χ^2/NDF: 13359640.5/83



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

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

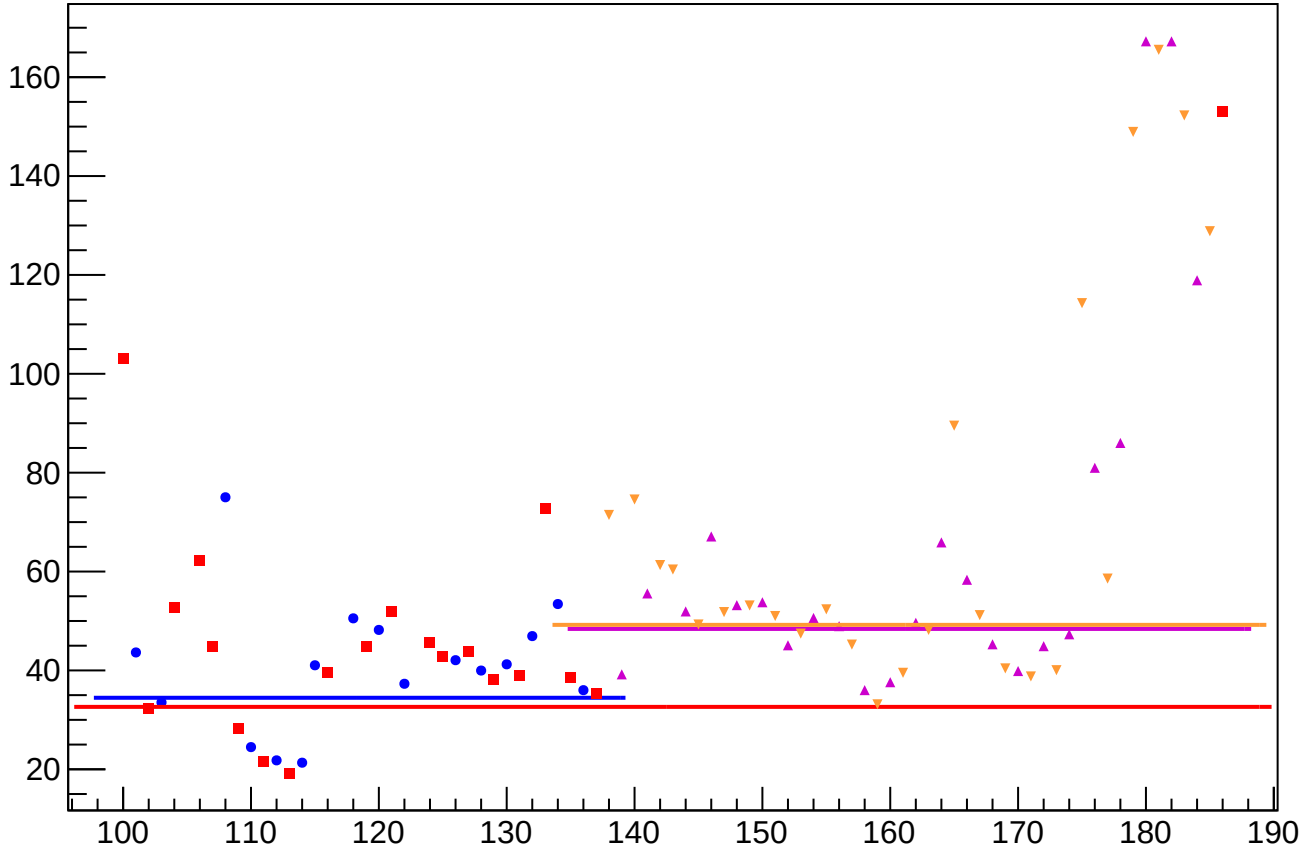
Right: 0.006+/-0.010 χ^2/NDF: 40.2/35

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 96.8/83

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

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

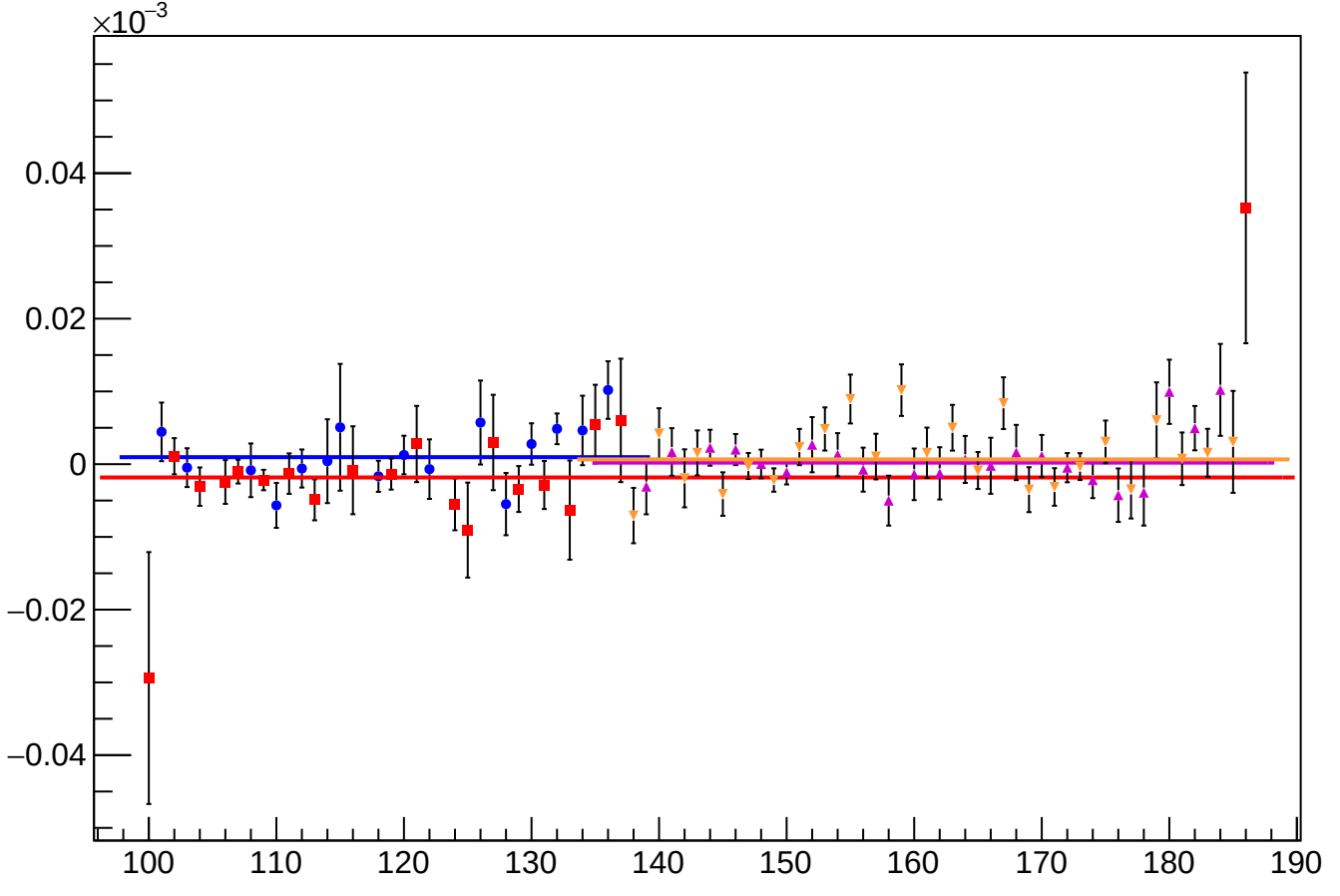
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 33.493+/-0.007 χ^2/NDF: 3340605.5/35

In: 42.234+/-0.007 χ^2/NDF:5325208.0/38

Out: 41.448+/-0.006 χ^2/NDF:8026975.6/44

All: 41.829+/-0.005 χ^2/NDF: 13359640.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

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

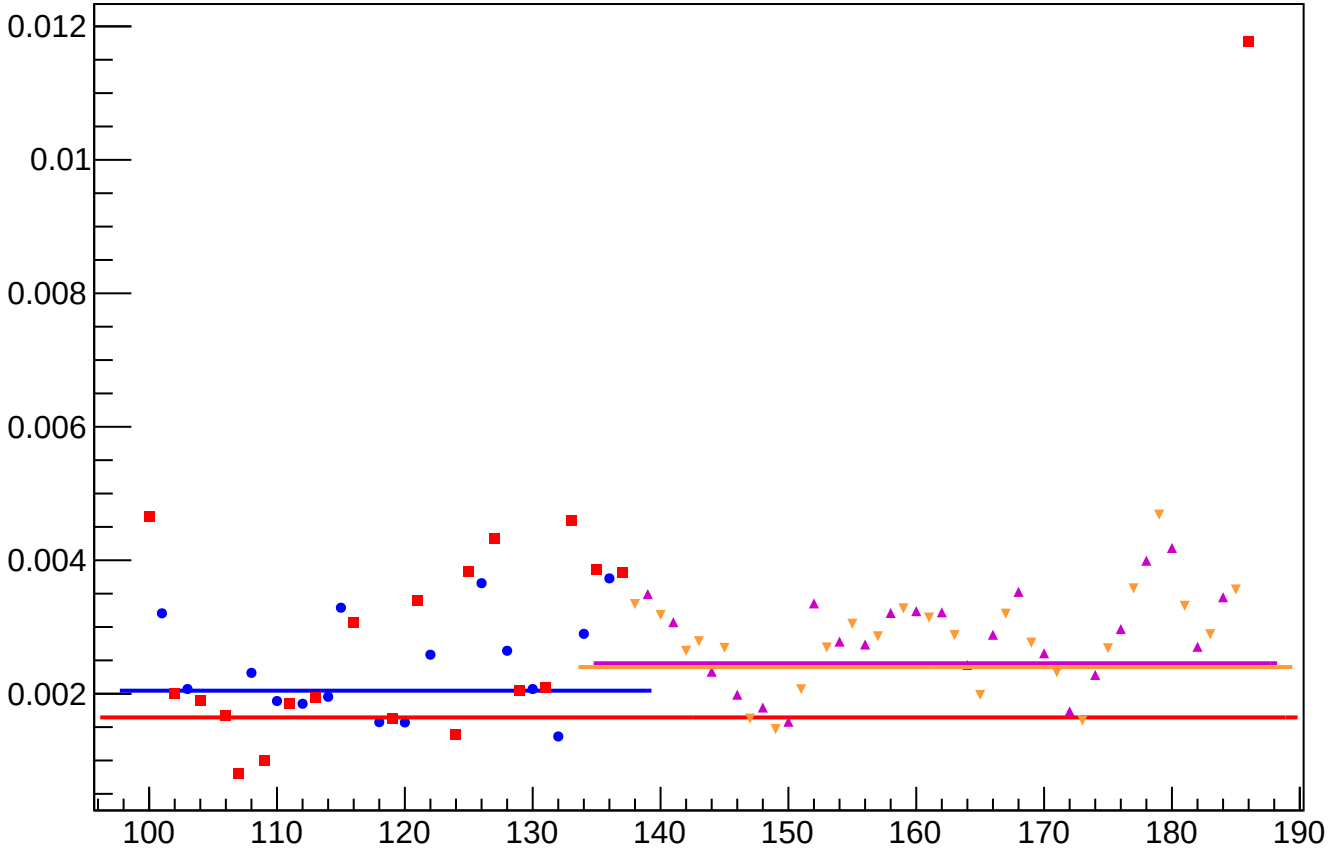
Right: -0.000+/-0.000 χ^2/NDF: 44.9/35

In: 0.000+/-0.000 χ^2/NDF:41.2/38

Out: -0.000+/-0.000 χ^2/NDF:66.5/44

All: -0.000+/-0.000 χ^2/NDF: 109.5/83

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

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

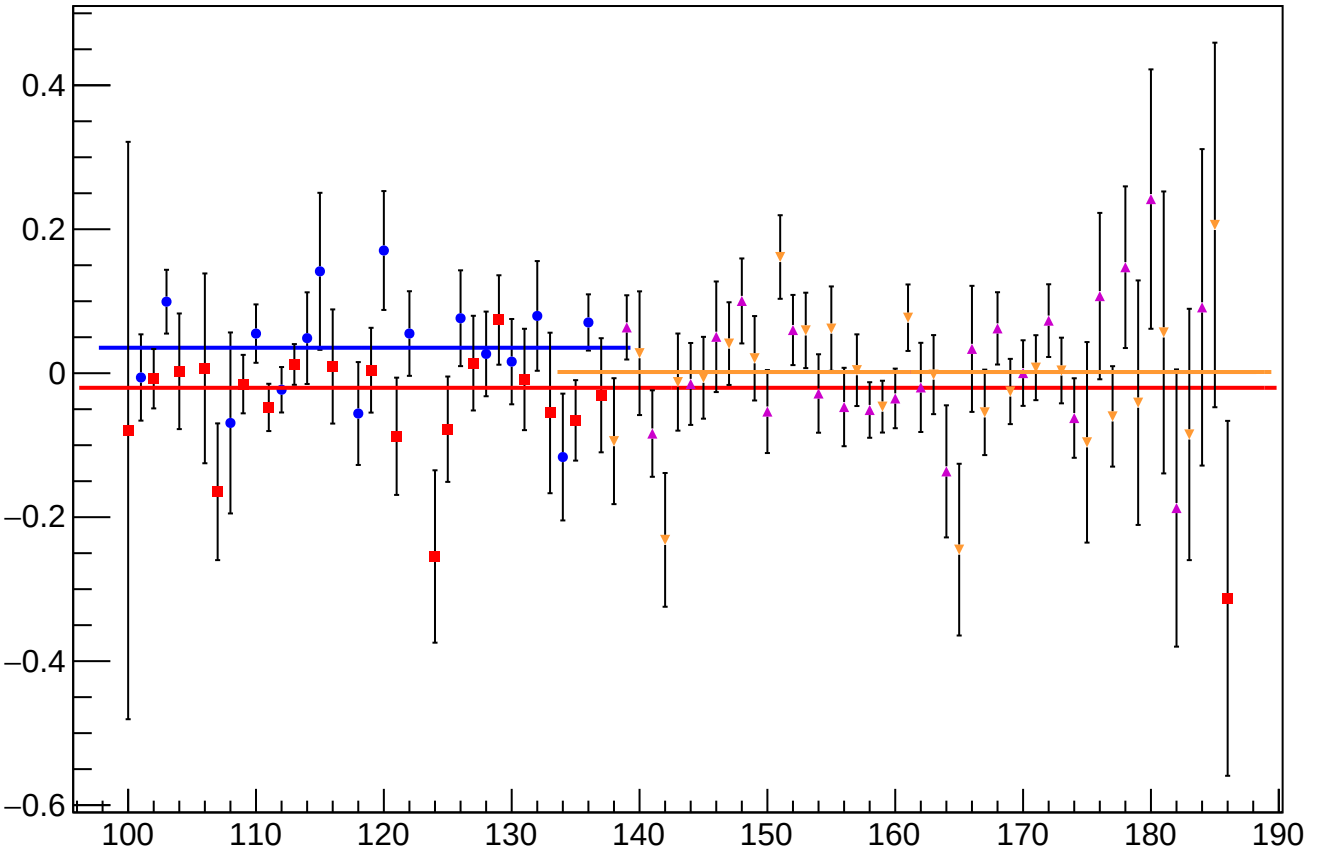
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 5073644.4/35

In: 0.002+/-0.000 χ^2/NDF:4222190.1/38

Out: 0.002+/-0.000 χ^2/NDF:8111481.4/44

All: 0.002+/-0.000 χ^2/NDF: 12582297.0/83



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

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

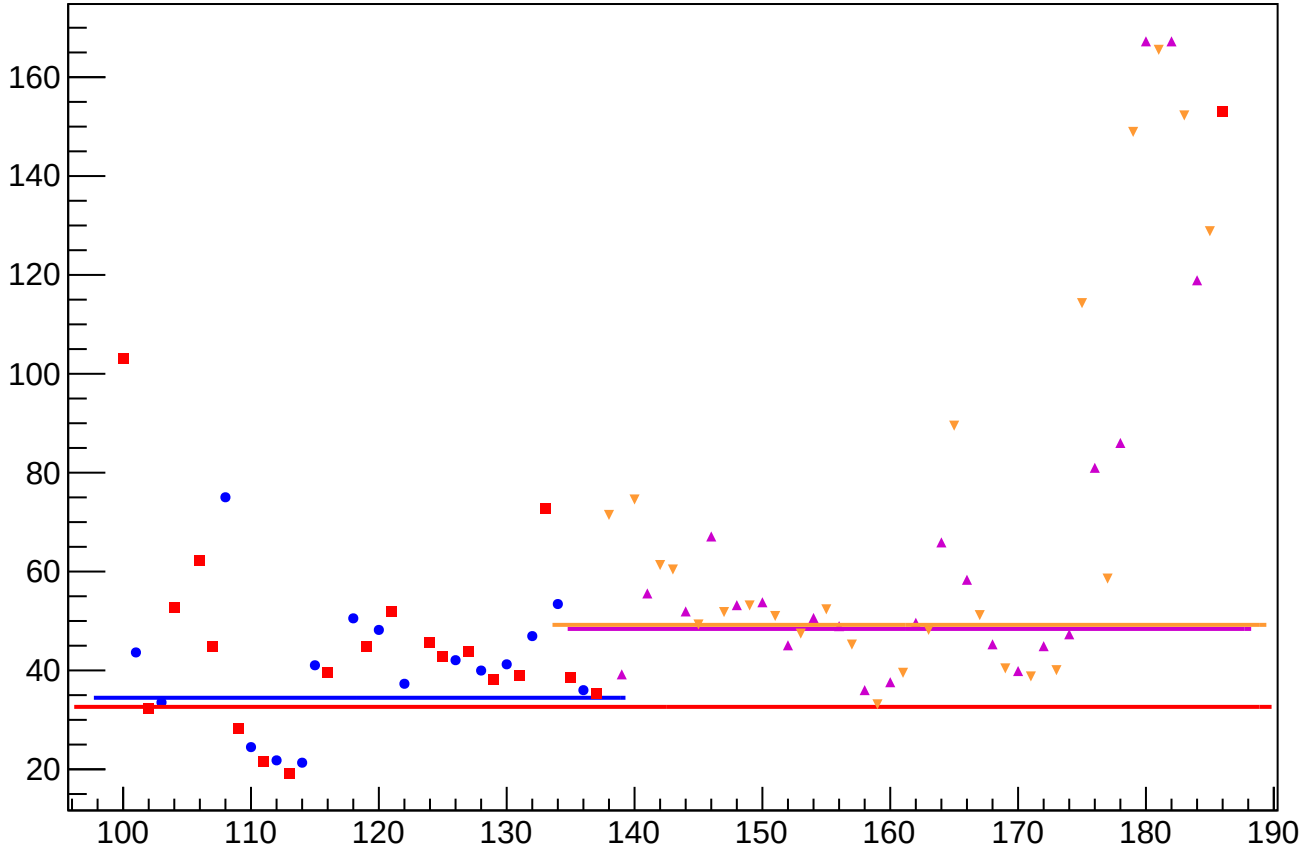
Right: 0.006+/-0.010 χ^2/NDF: 40.2/35

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 96.8/83

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 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

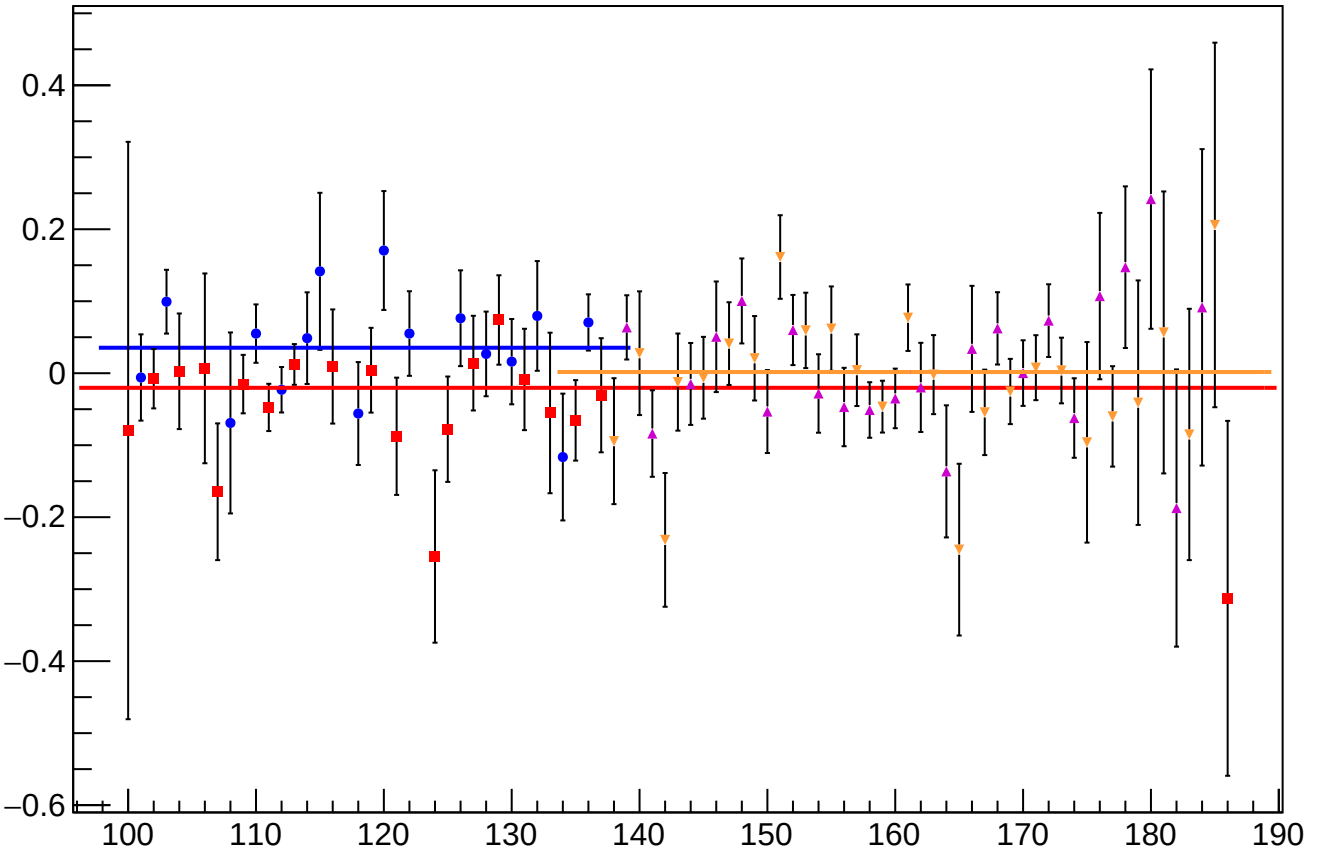
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 33.494+/-0.007 χ^2/NDF: 3340521.3/35

In: 42.234+/-0.007 χ^2/NDF:5325143.6/38

Out: 41.448+/-0.006 χ^2/NDF:8026914.8/44

All: 41.829+/-0.005 χ^2/NDF: 13359514.5/83



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

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

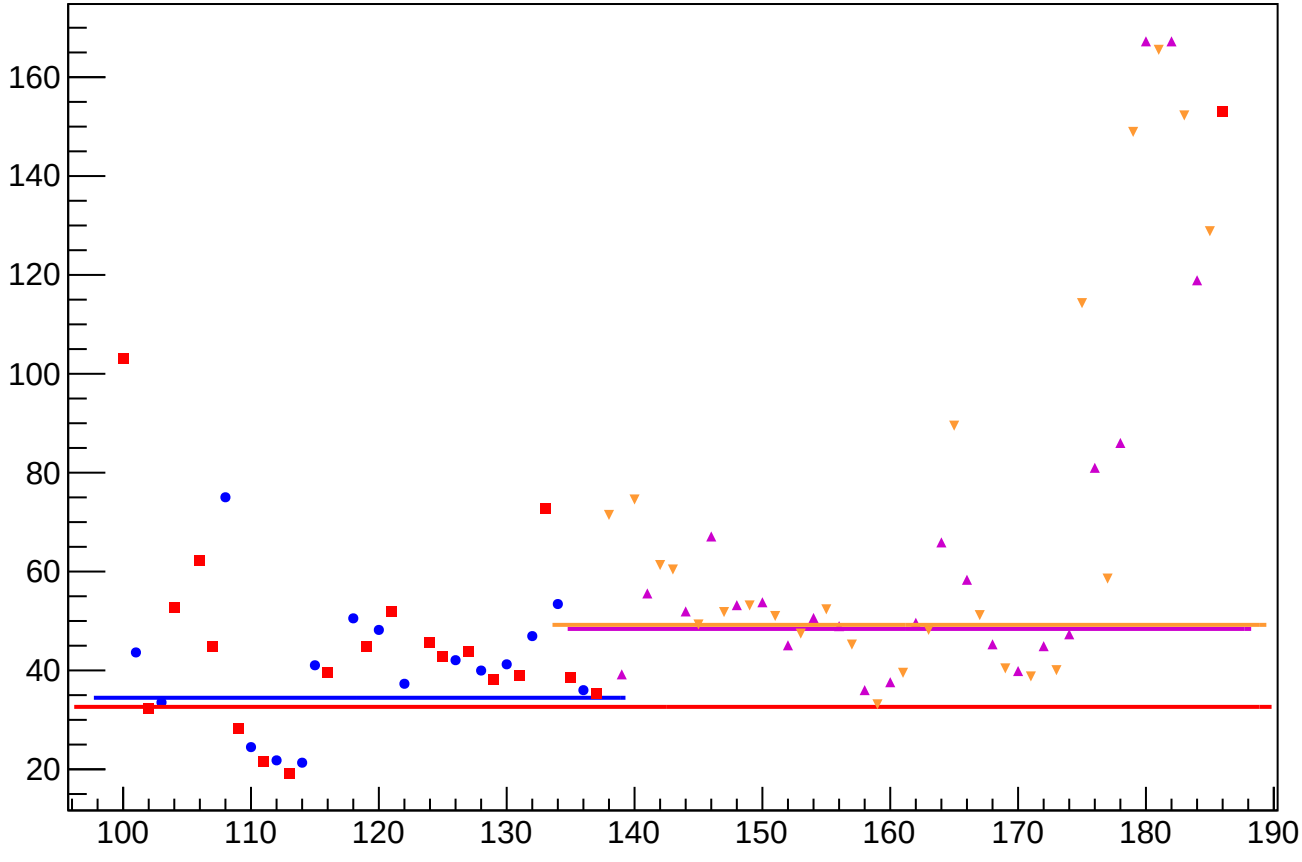
Right: 0.006+/-0.010 χ^2/NDF: 40.2/35

In: 0.017+/-0.009 χ^2/NDF:46.3/38

Out: -0.009+/-0.009 χ^2/NDF:46.7/44

All: 0.004+/-0.006 χ^2/NDF: 96.8/83

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 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

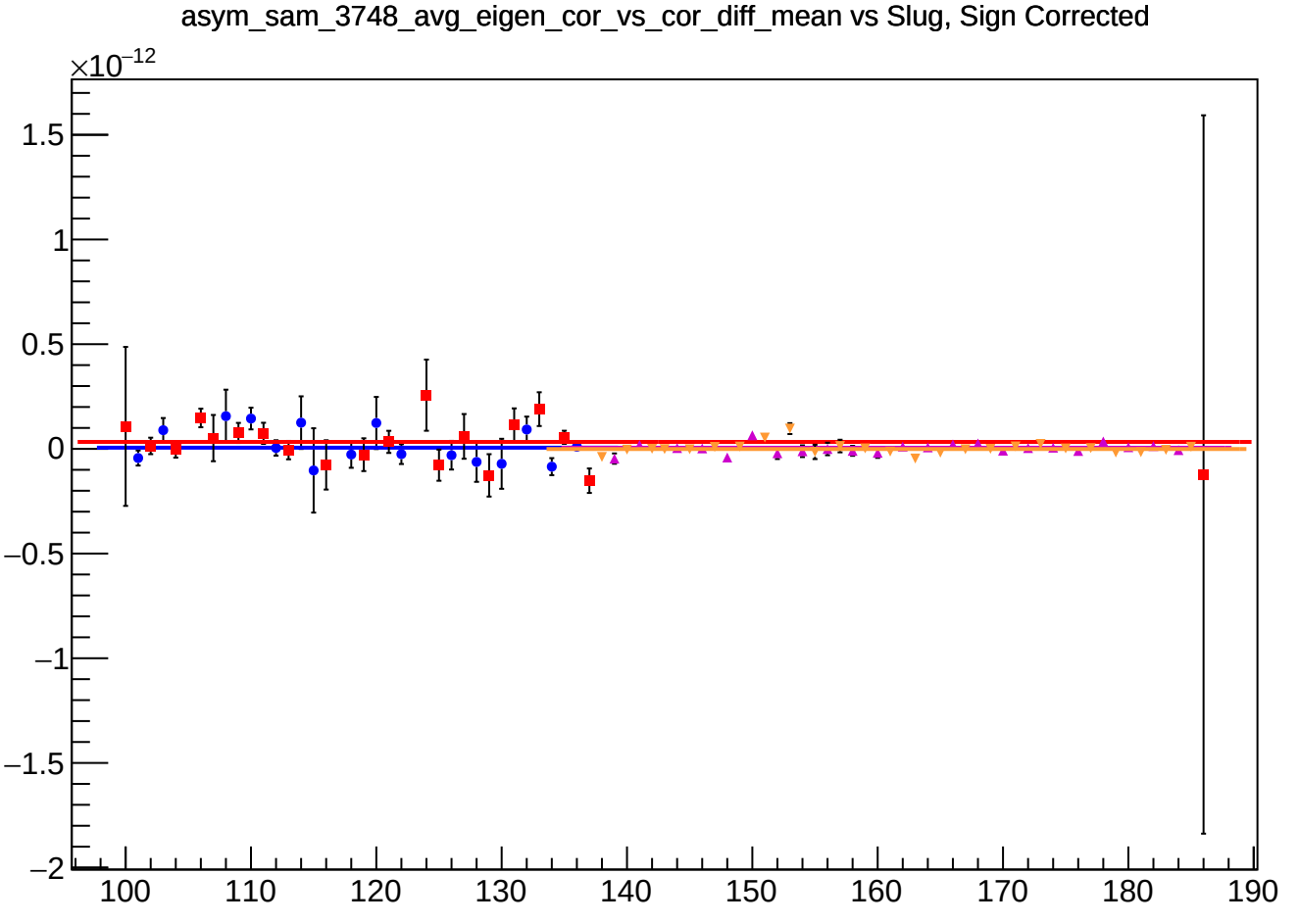
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 33.494+/-0.007 χ^2/NDF: 3340521.3/35

In: 42.234+/-0.007 χ^2/NDF:5325143.6/38

Out: 41.448+/-0.006 χ^2/NDF:8026914.8/44

All: 41.829+/-0.005 χ^2/NDF: 13359514.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

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

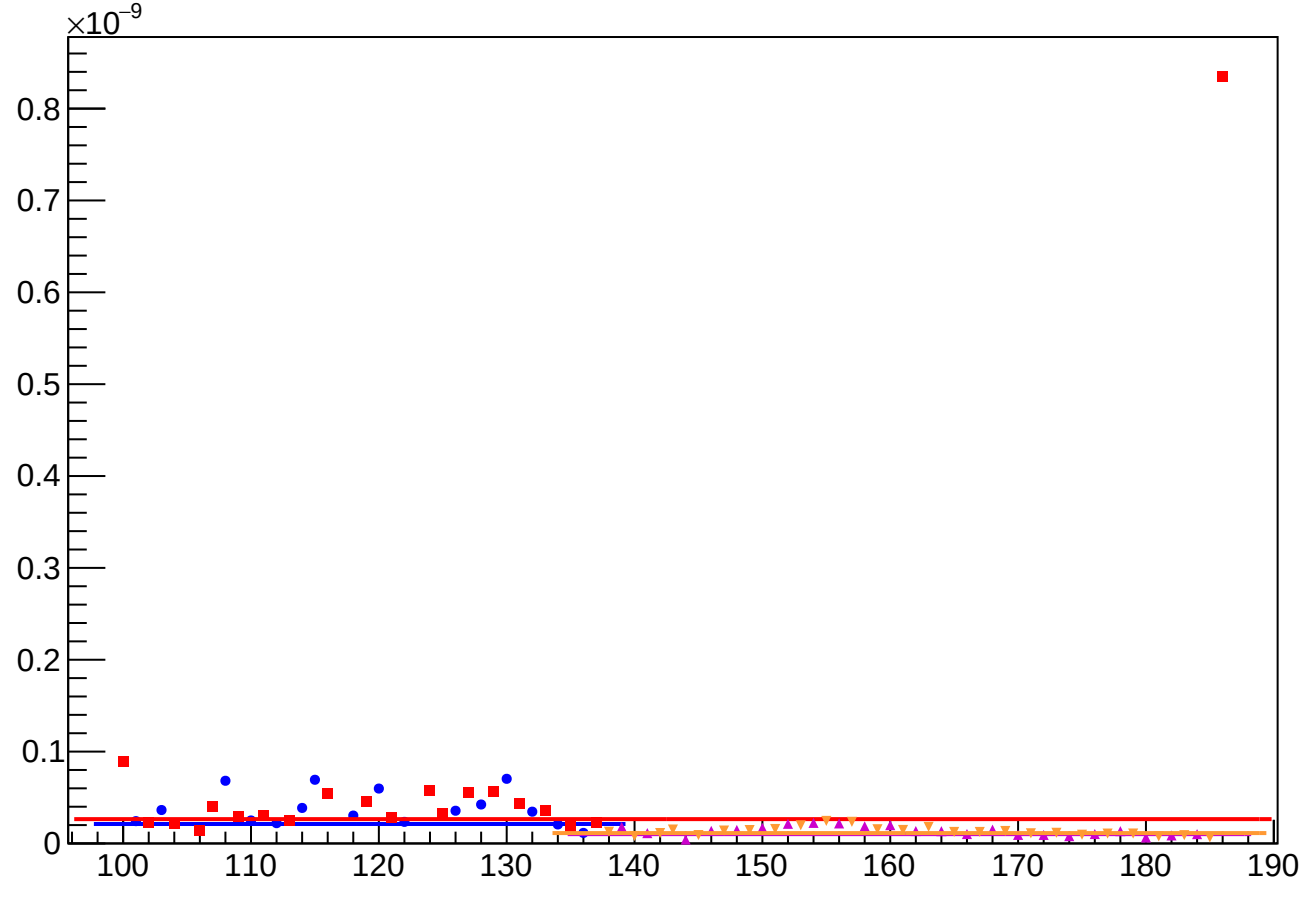
Right: 0.000+/-0.000 χ^2/NDF: 59.6/35

In: 0.000+/-0.000 χ^2/NDF:52.0/38

Out: 0.000+/-0.000 χ^2/NDF:76.9/44

All: 0.000+/-0.000 χ^2/NDF: 129.7/83

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1662412.3/19

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

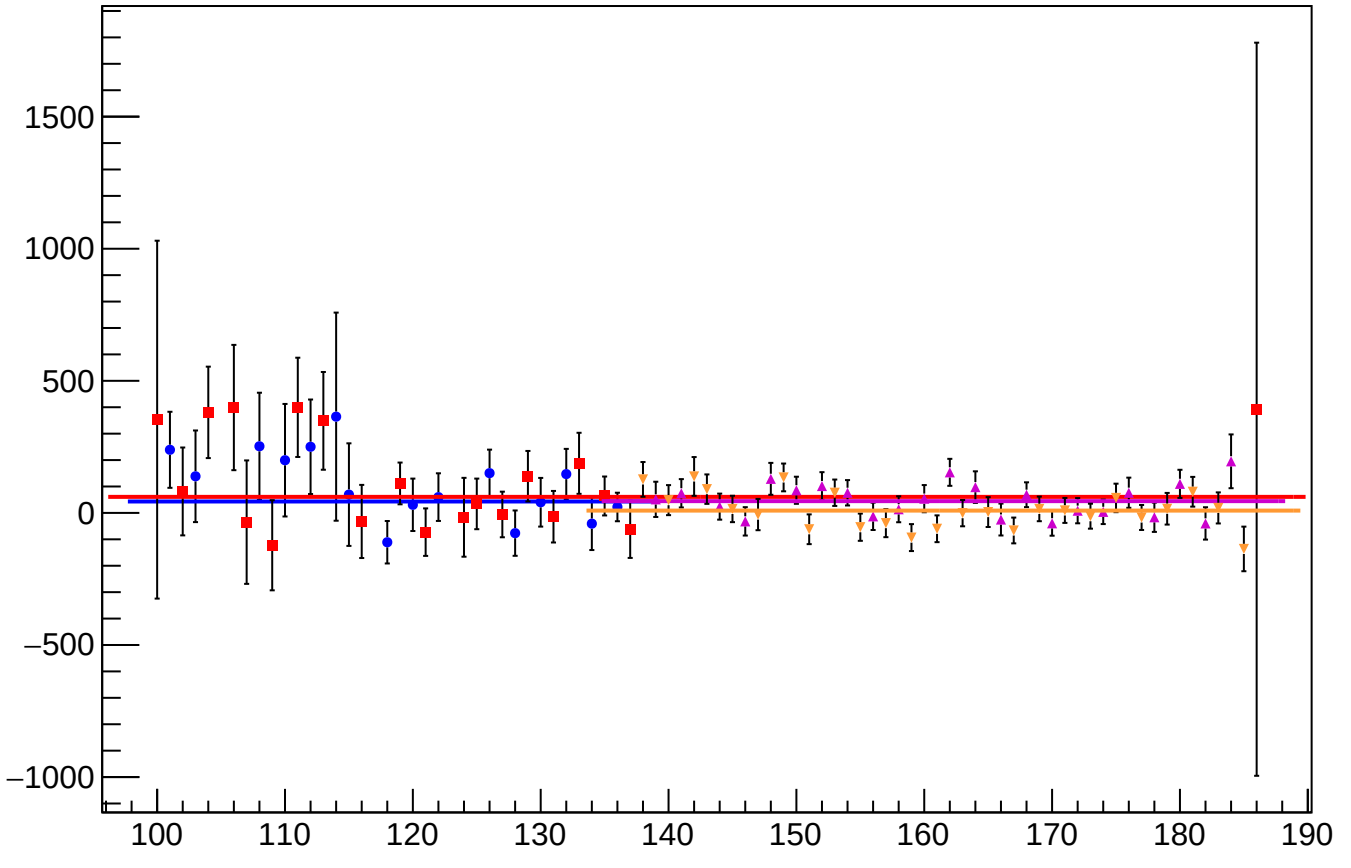
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3931722.0/35

In: 0.000+/-0.000 χ^2/NDF:7839569.9/38

Out: 0.000+/-0.000 χ^2/NDF:6422416.3/44

All: 0.000+/-0.000 χ^2/NDF: 14423909.1/83



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

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

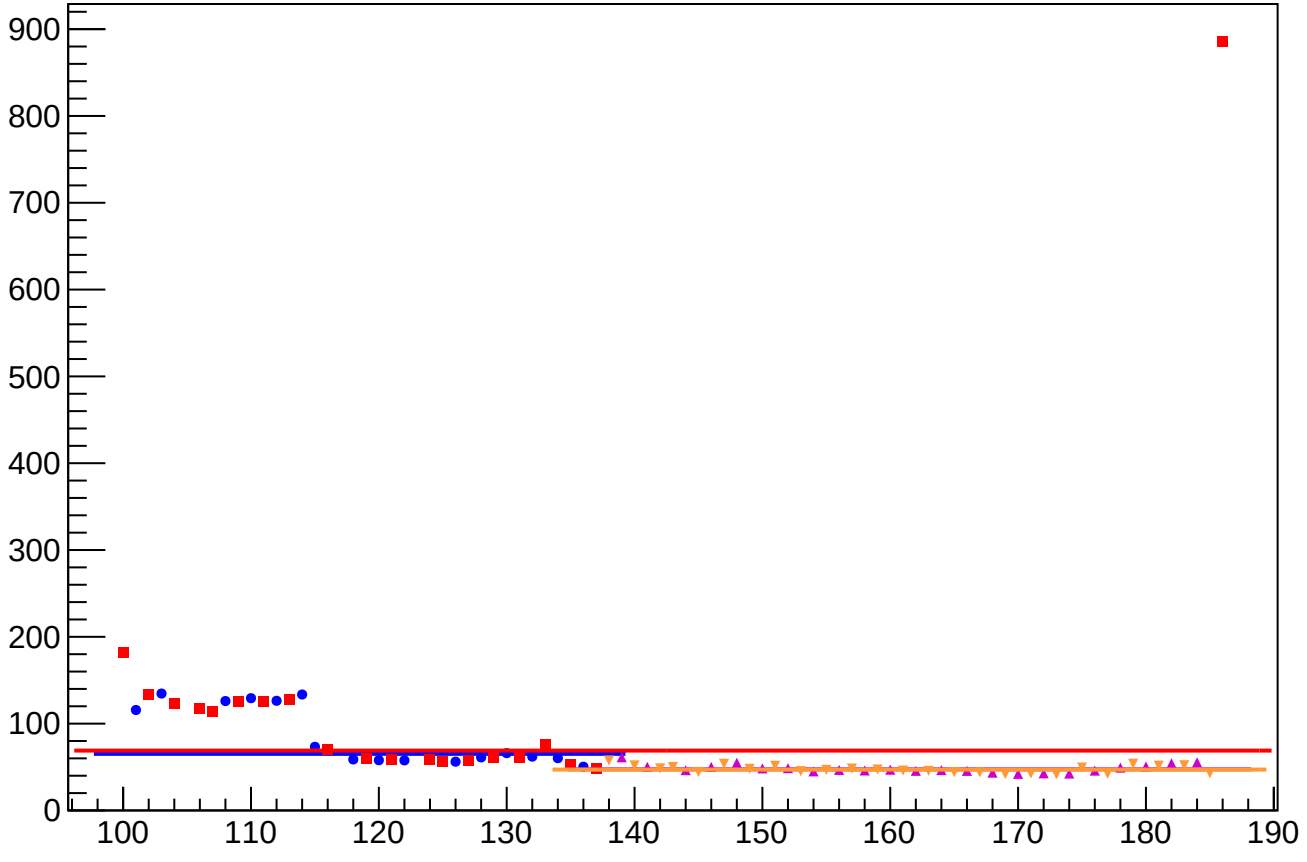
Right: 51.609+/-18.609 χ^2/NDF: 35.6/35

In: 44.337+/-10.233 χ^2/NDF:42.0/38

Out: 15.937+/-9.998 χ^2/NDF:58.3/44

All: 29.807+/-7.151 χ^2/NDF: 104.2/83

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

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

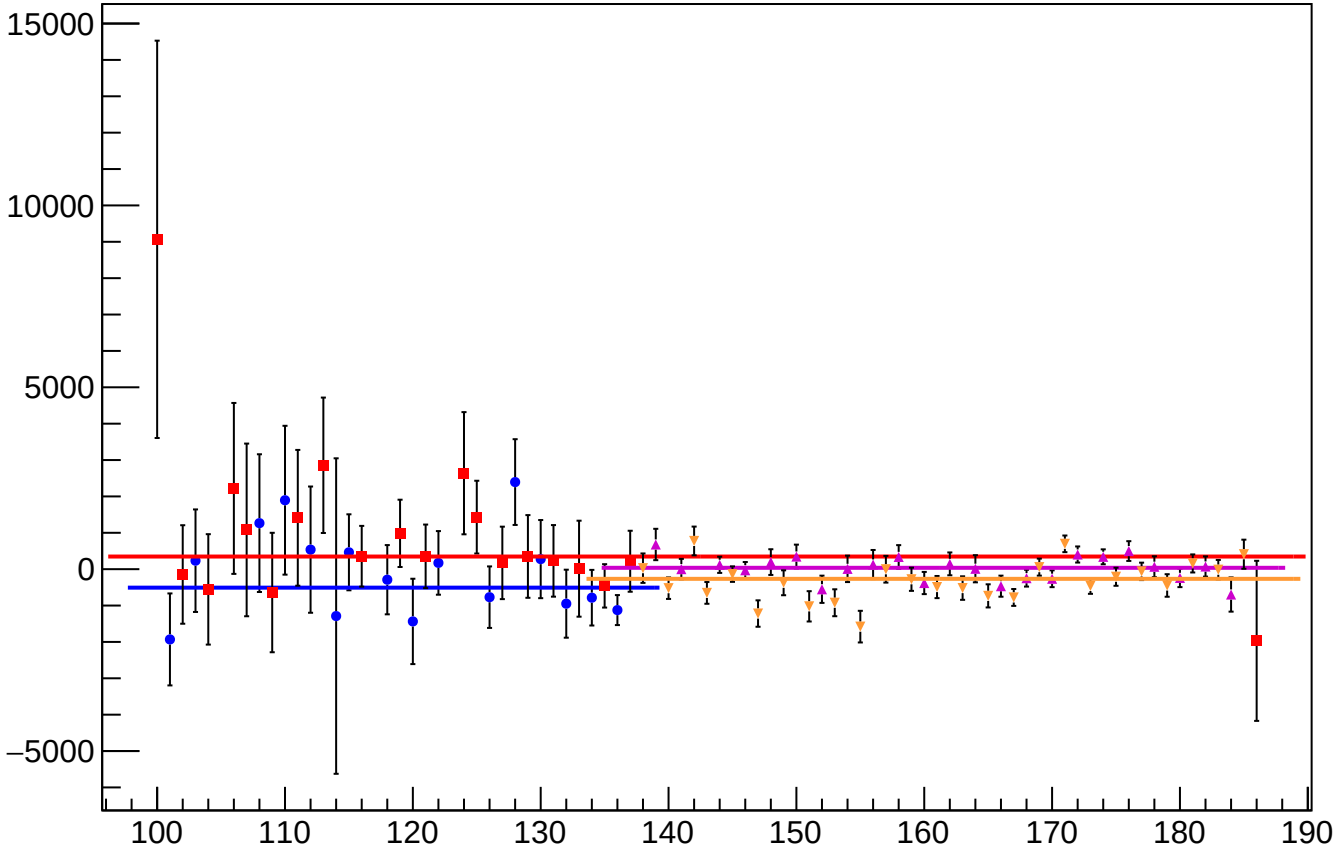
Right: 67.009+/-0.013 χ^2/NDF: 3800865.5/35

In: 50.192+/-0.007 χ^2/NDF:2523363.8/38

Out: 50.091+/-0.007 χ^2/NDF:3764849.1/44

All: 50.141+/-0.005 χ^2/NDF: 6288312.8/83

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -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

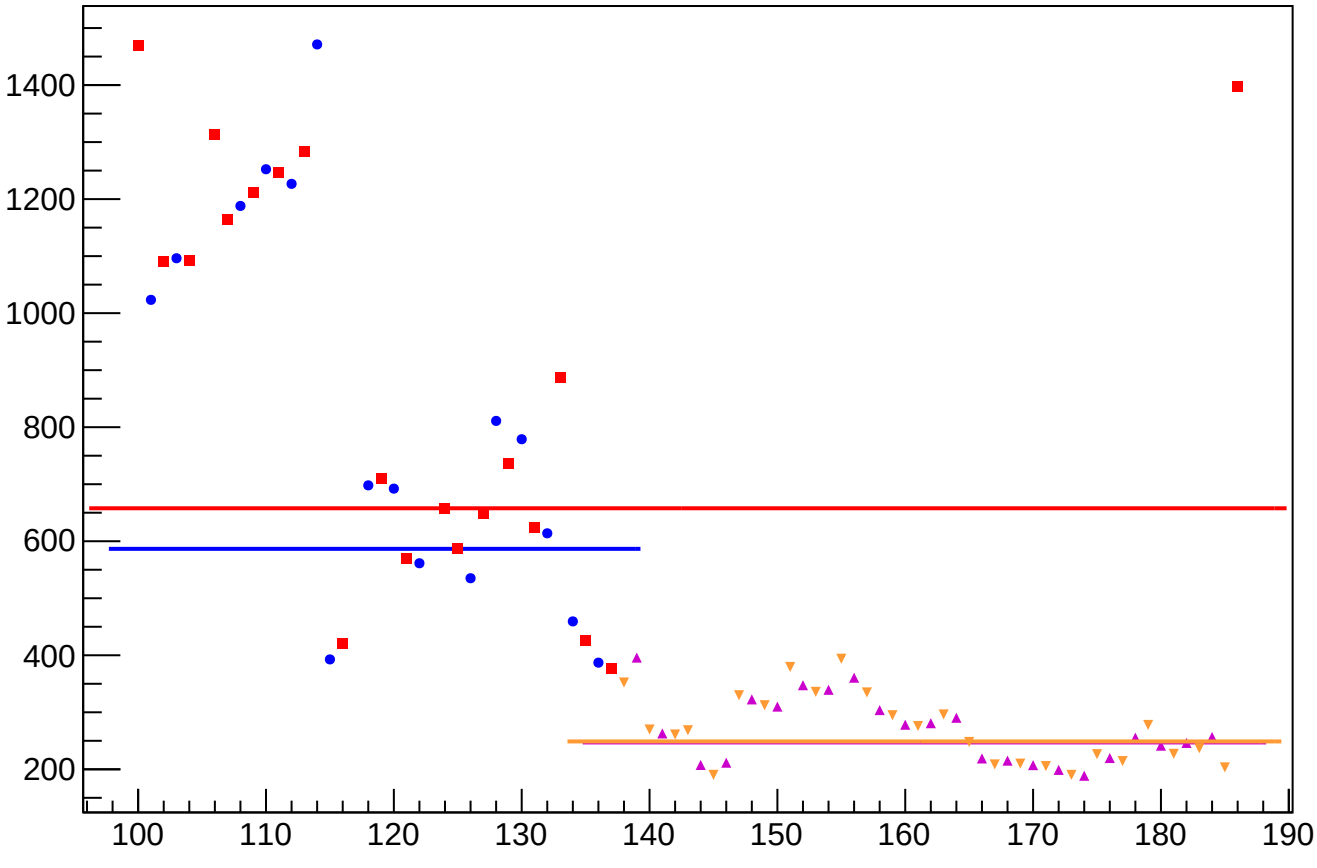
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -111.079+/-173.478 χ^2/NDF: 34.5/35

In: 5.522+/-57.397 χ^2/NDF:47.2/38

Out: -235.424+/-56.581 χ^2/NDF:88.2/44

All: -116.677+/-40.294 χ^2/NDF: 144.3/83



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

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

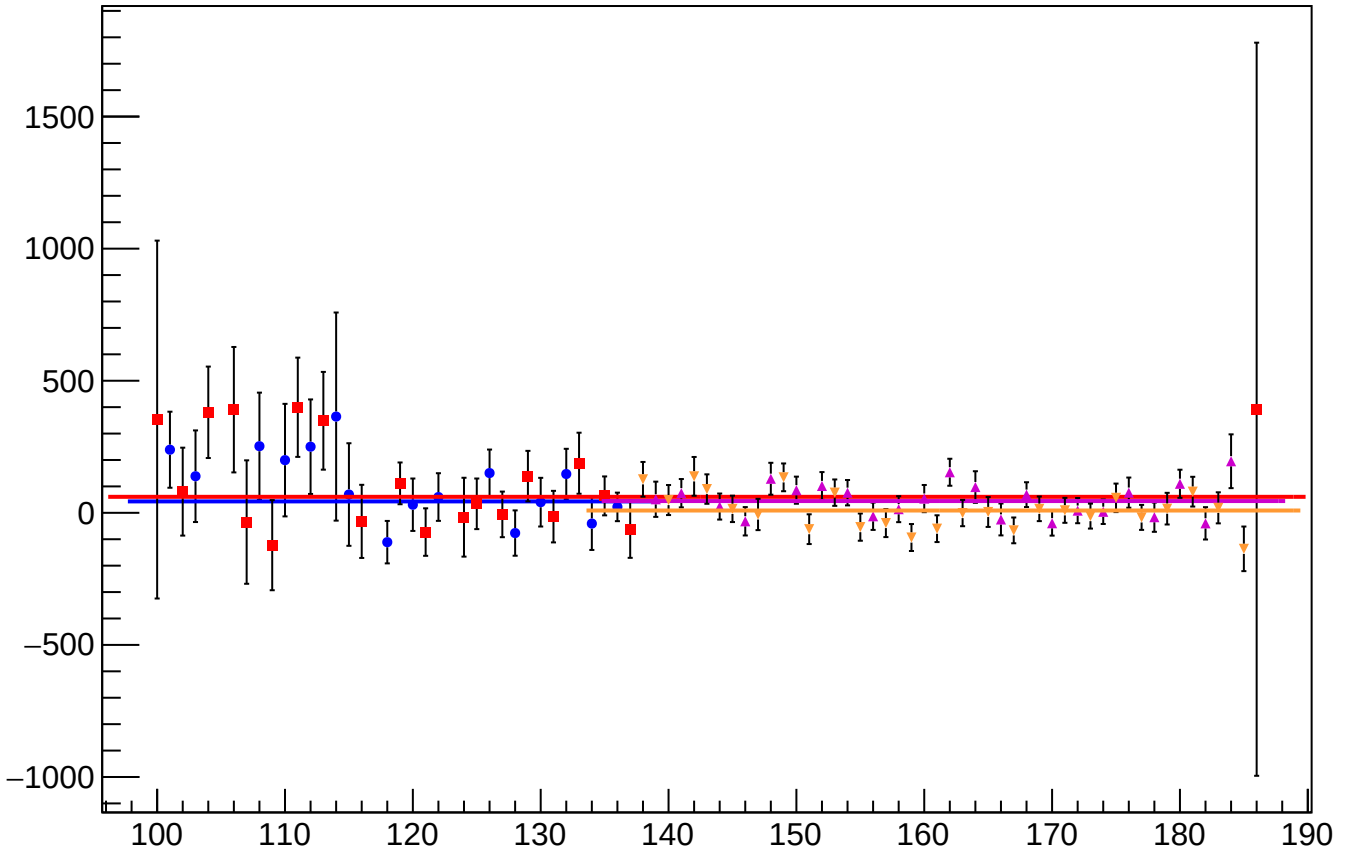
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 619.654+/-0.123 χ^2/NDF: 4471916.0/35

In: 267.033+/-0.041 χ^2/NDF:7403434.1/38

Out: 269.072+/-0.040 χ^2/NDF:8899745.7/44

All: 268.067+/-0.028 χ^2/NDF: 16304460.3/83



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

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

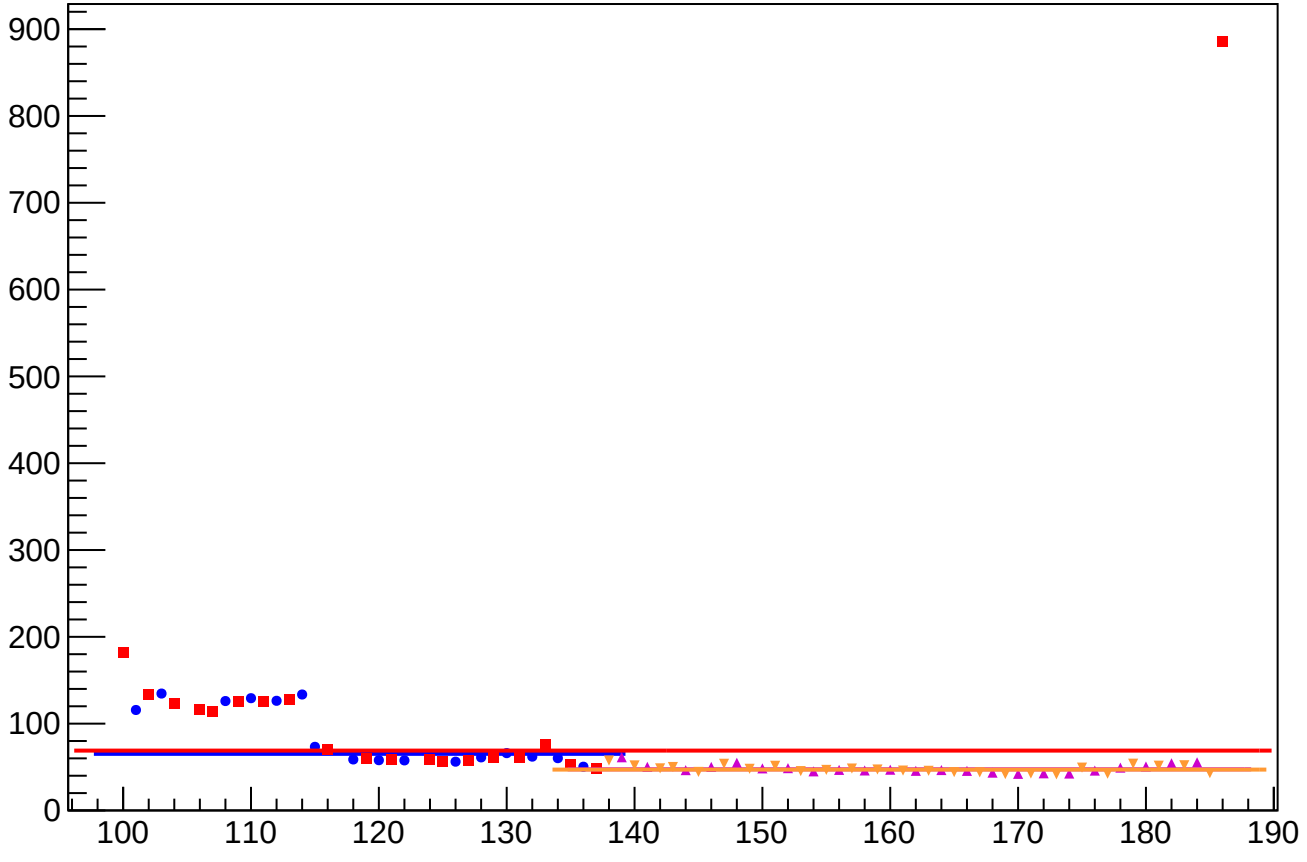
Right: 51.533+/-18.609 χ^2/NDF: 35.5/35

In: 44.335+/-10.233 χ^2/NDF:42.0/38

Out: 15.918+/-9.998 χ^2/NDF:58.2/44

All: 29.796+/-7.151 χ^2/NDF: 104.1/83

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

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

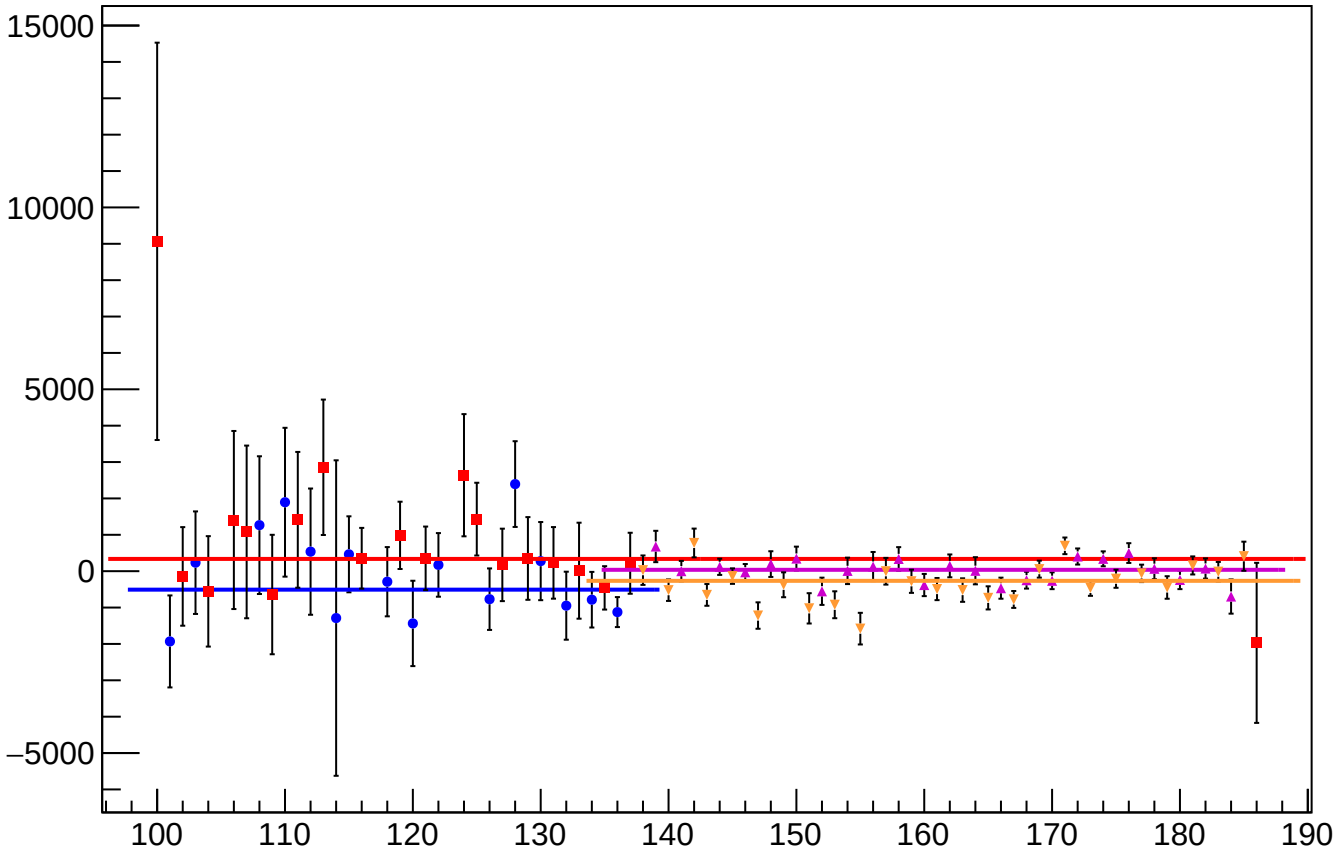
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 67.002+/-0.013 χ^2/NDF: 3797394.3/35

In: 50.192+/-0.007 χ^2/NDF:2523365.9/38

Out: 50.089+/-0.007 χ^2/NDF:3759971.9/44

All: 50.140+/-0.005 χ^2/NDF: 6283441.9/83



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

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

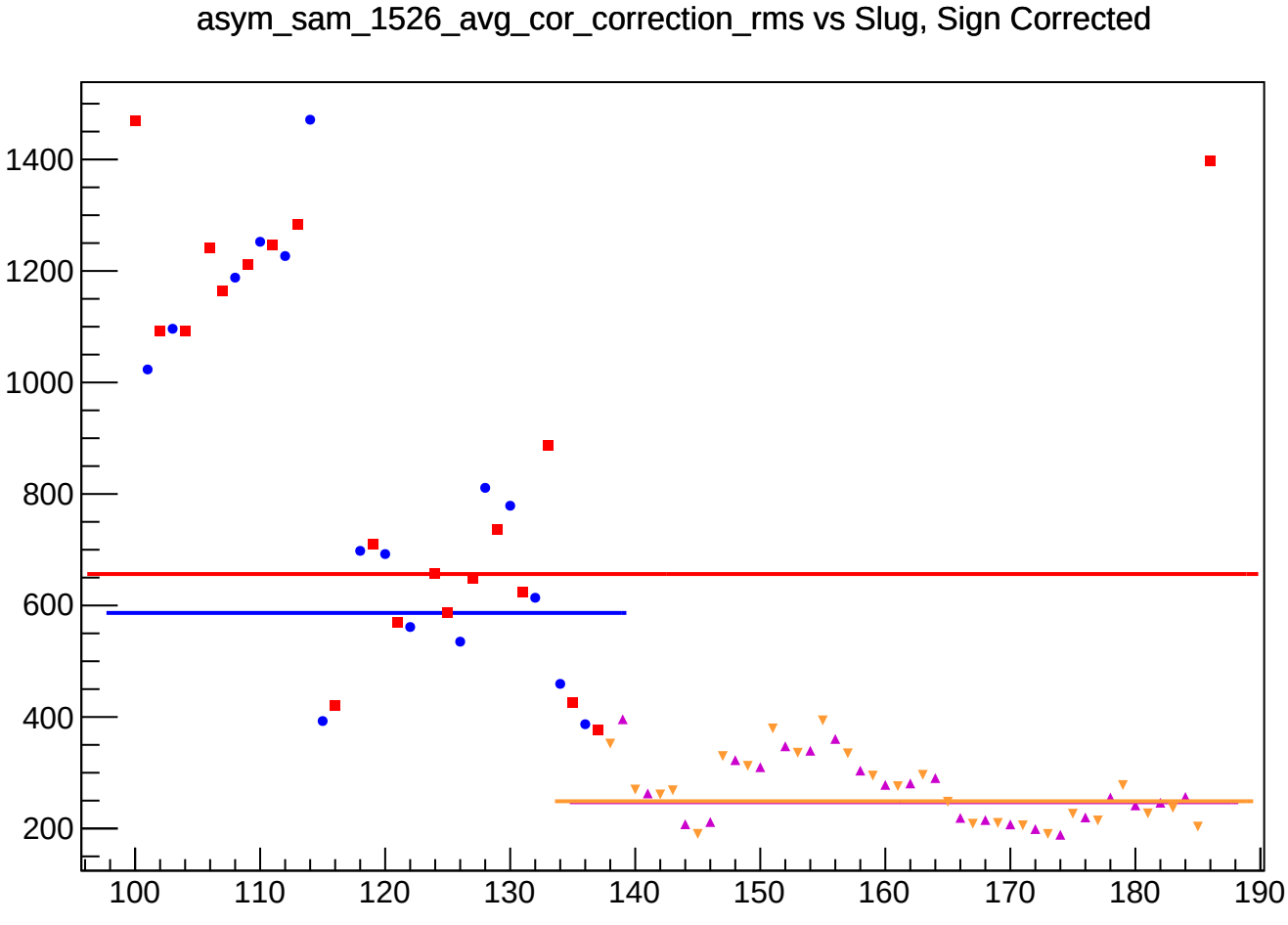
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -116.123+/-173.517 χ^2/NDF: 33.9/35

In: 5.520+/-57.397 χ^2/NDF:47.2/38

Out: -235.963+/-56.582 χ^2/NDF:87.5/44

All: -116.949+/-40.295 χ^2/NDF: 143.7/83



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

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

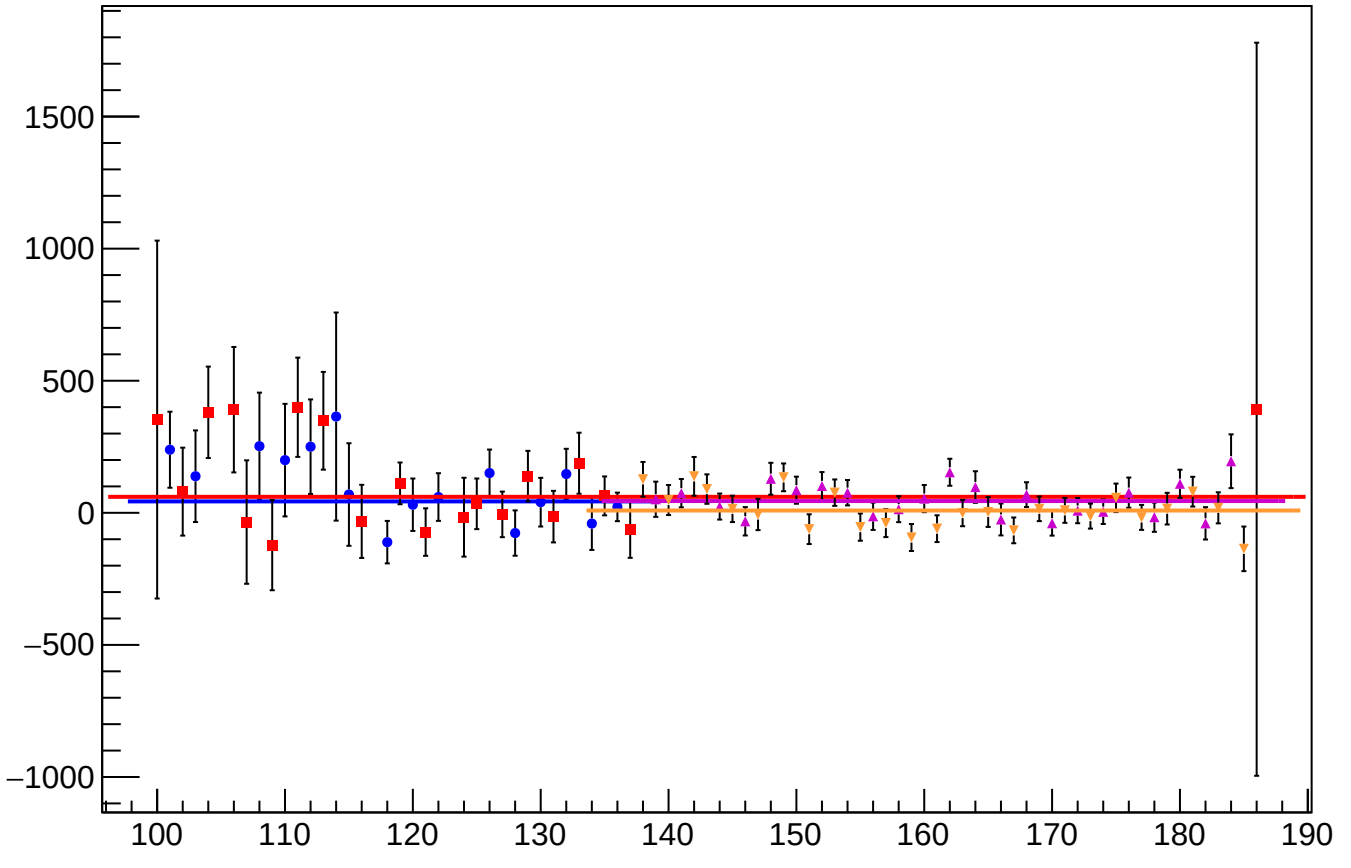
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 618.996+/-0.123 χ^2/NDF: 4427103.2/35

In: 267.033+/-0.041 χ^2/NDF:7403444.9/38

Out: 268.986+/-0.040 χ^2/NDF:8820635.8/44

All: 268.023+/-0.028 χ^2/NDF: 16225254.2/83



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

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

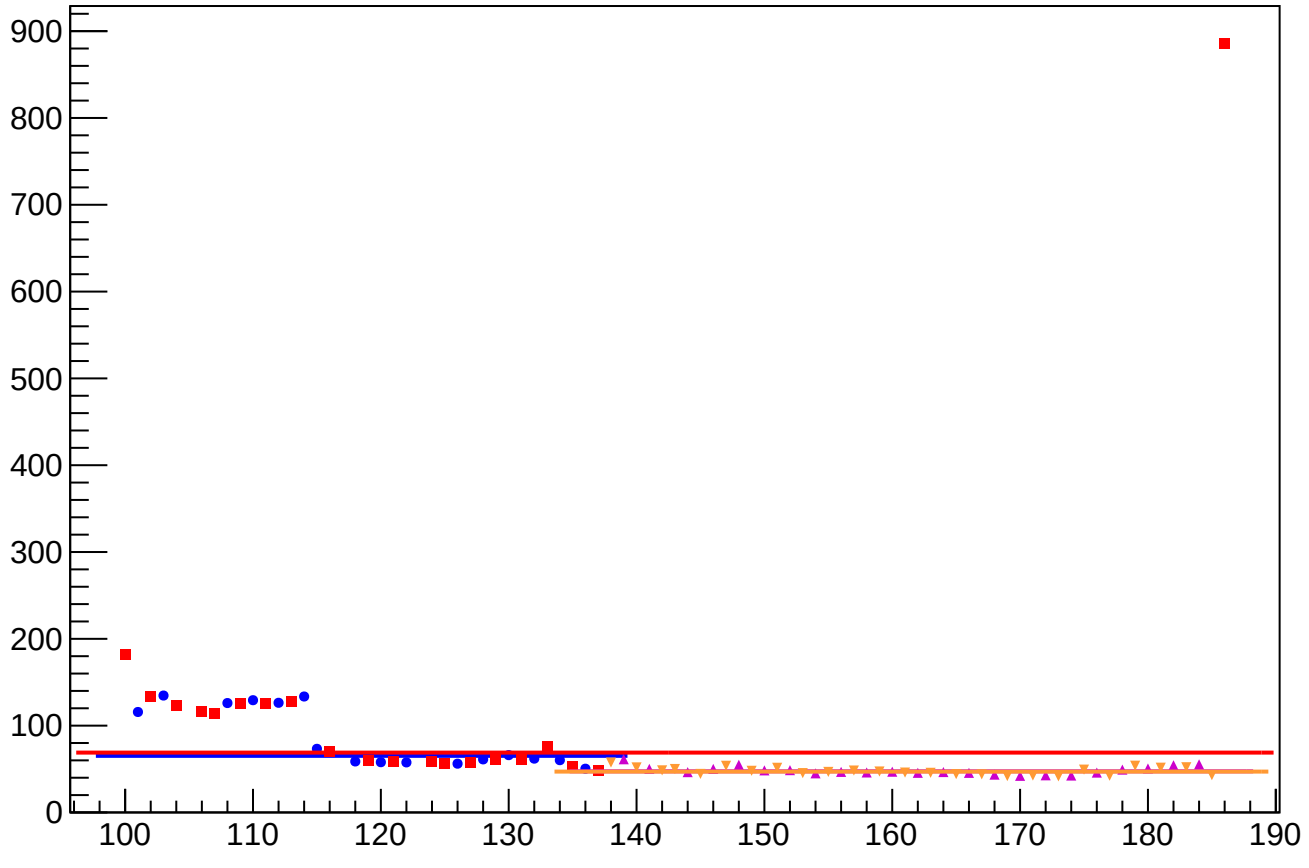
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 51.533+/-18.609 χ^2/NDF: 35.5/35

In: 44.335+/-10.233 χ^2/NDF:42.0/38

Out: 15.918+/-9.998 χ^2/NDF:58.2/44

All: 29.796+/-7.151 χ^2/NDF: 104.1/83



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

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

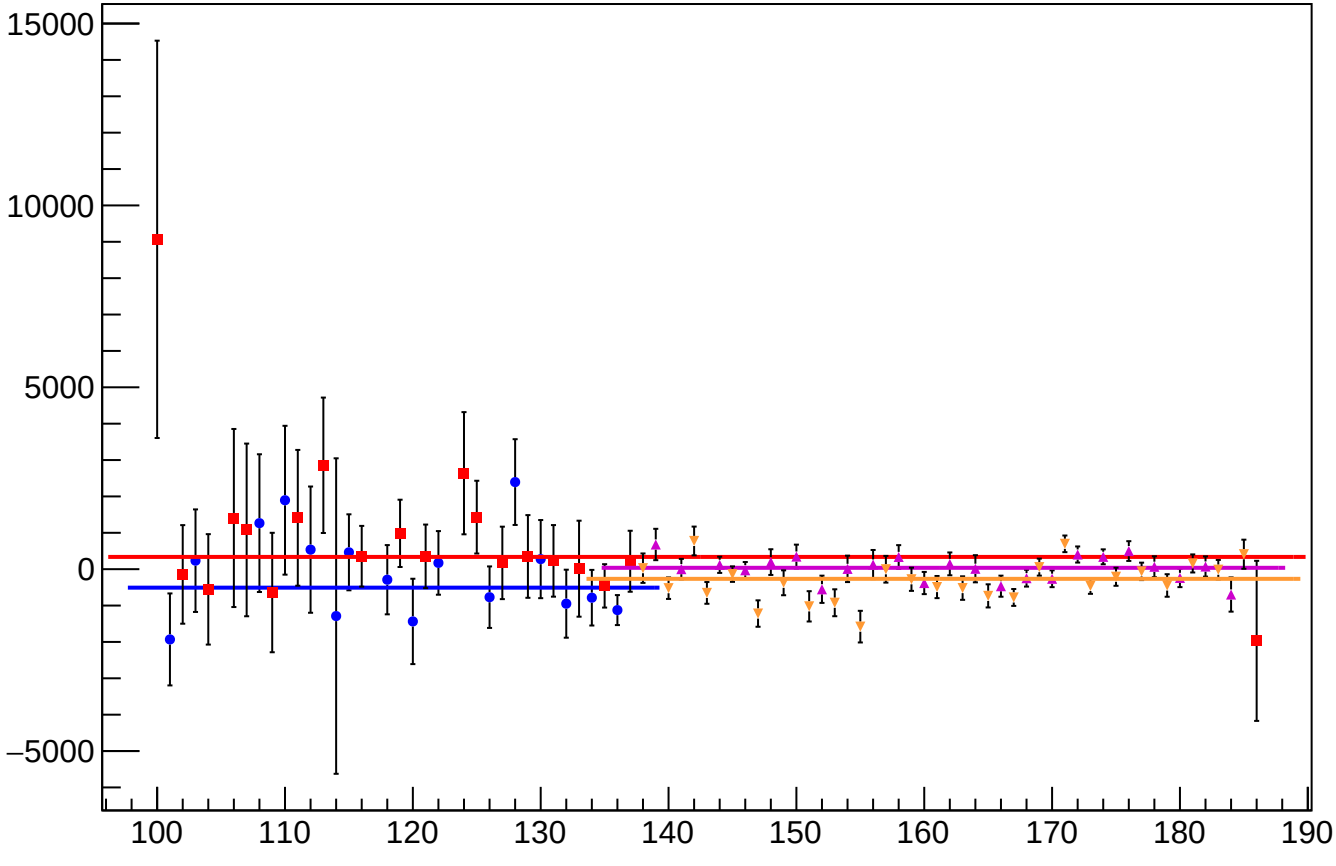
Right: 67.002+/-0.013 χ^2/NDF: 3797394.3/35

In: 50.192+/-0.007 χ^2/NDF:2523365.9/38

Out: 50.089+/-0.007 χ^2/NDF:3759971.9/44

All: 50.140+/-0.005 χ^2/NDF: 6283441.9/83

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -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

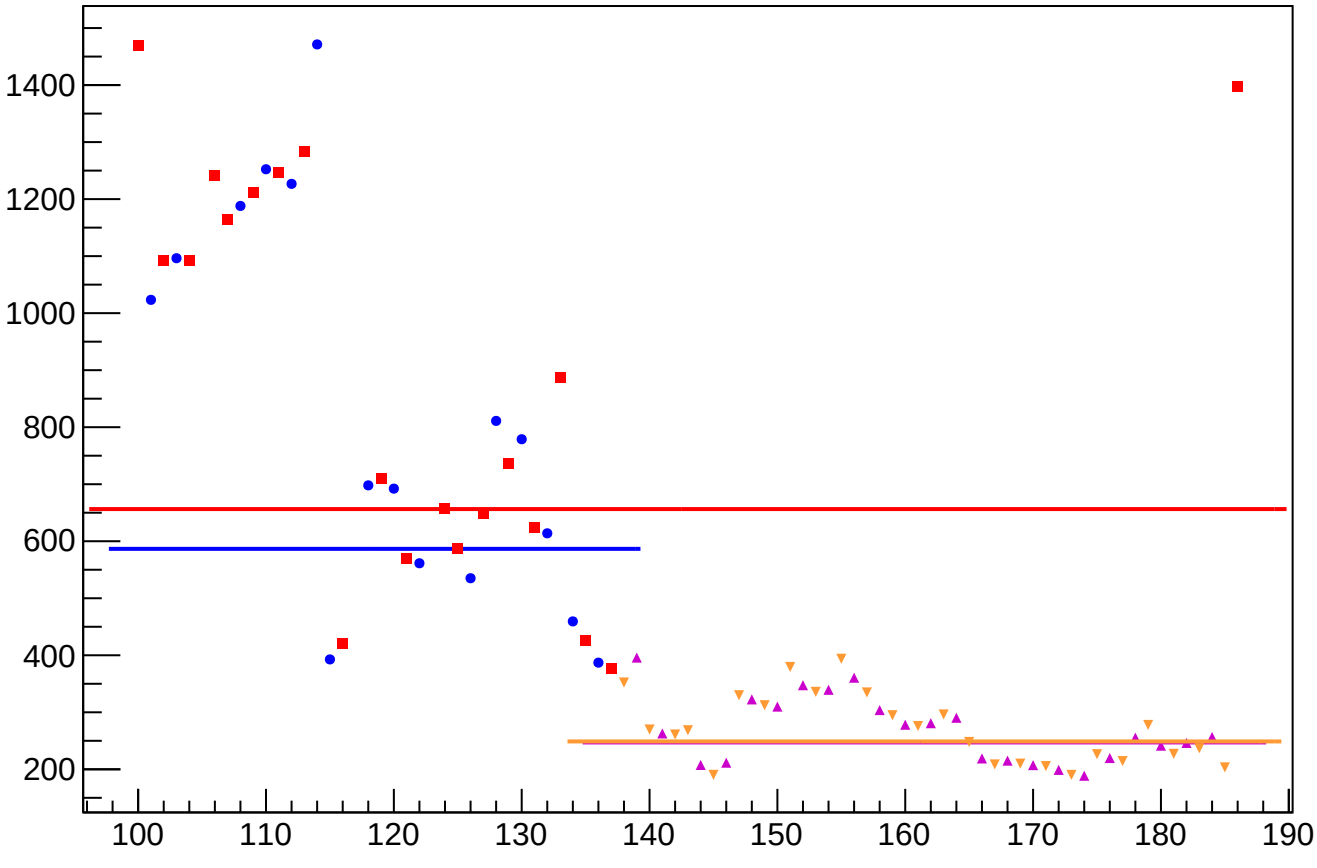
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -116.123+/-173.517 χ^2/NDF: 33.9/35

In: 5.520+/-57.397 χ^2/NDF:47.2/38

Out: -235.963+/-56.582 χ^2/NDF:87.5/44

All: -116.949+/-40.295 χ^2/NDF: 143.7/83



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

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

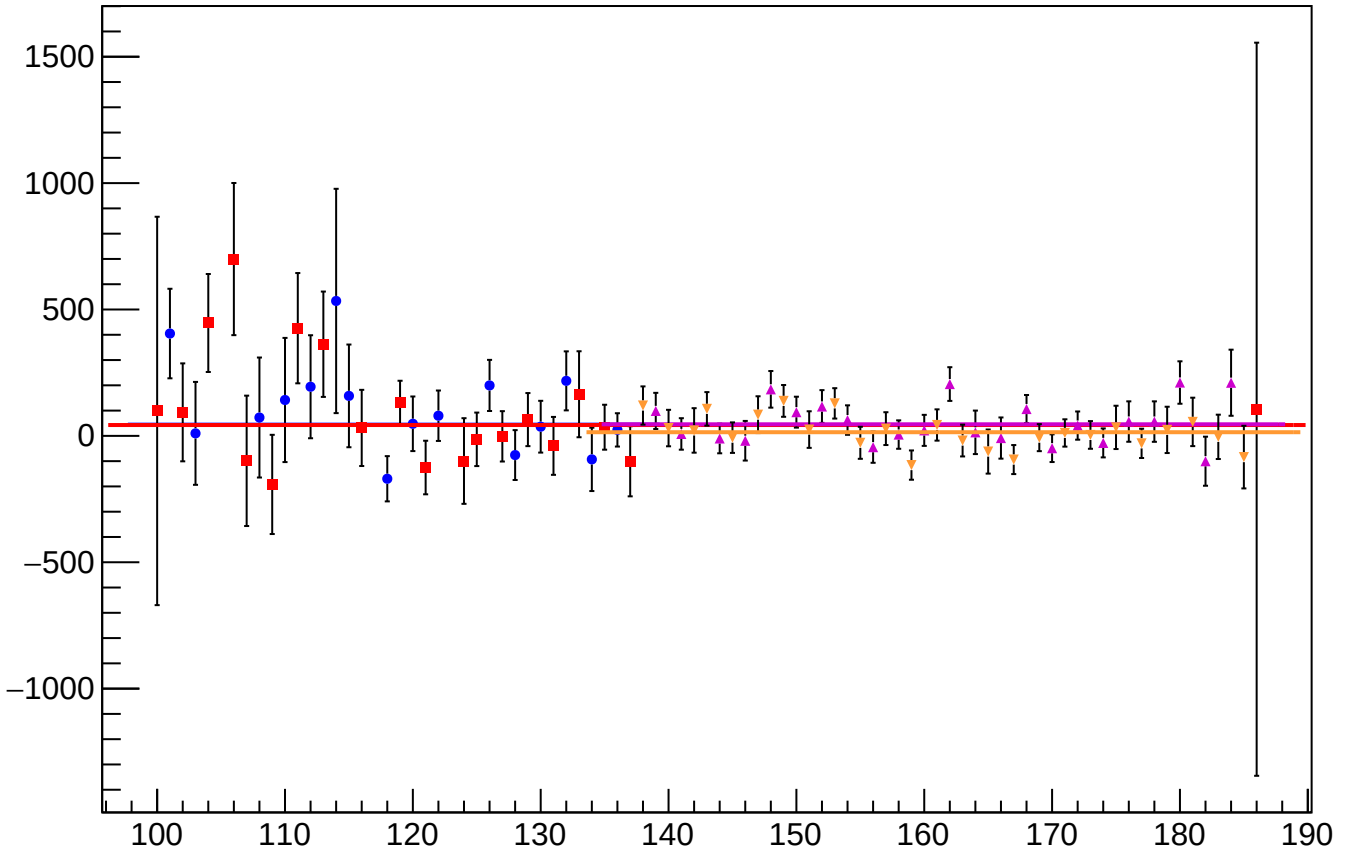
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 618.996+/-0.123 χ^2/NDF: 4427103.2/35

In: 267.033+/-0.041 χ^2/NDF:7403444.9/38

Out: 268.986+/-0.040 χ^2/NDF:8820635.8/44

All: 268.023+/-0.028 χ^2/NDF: 16225254.2/83



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

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

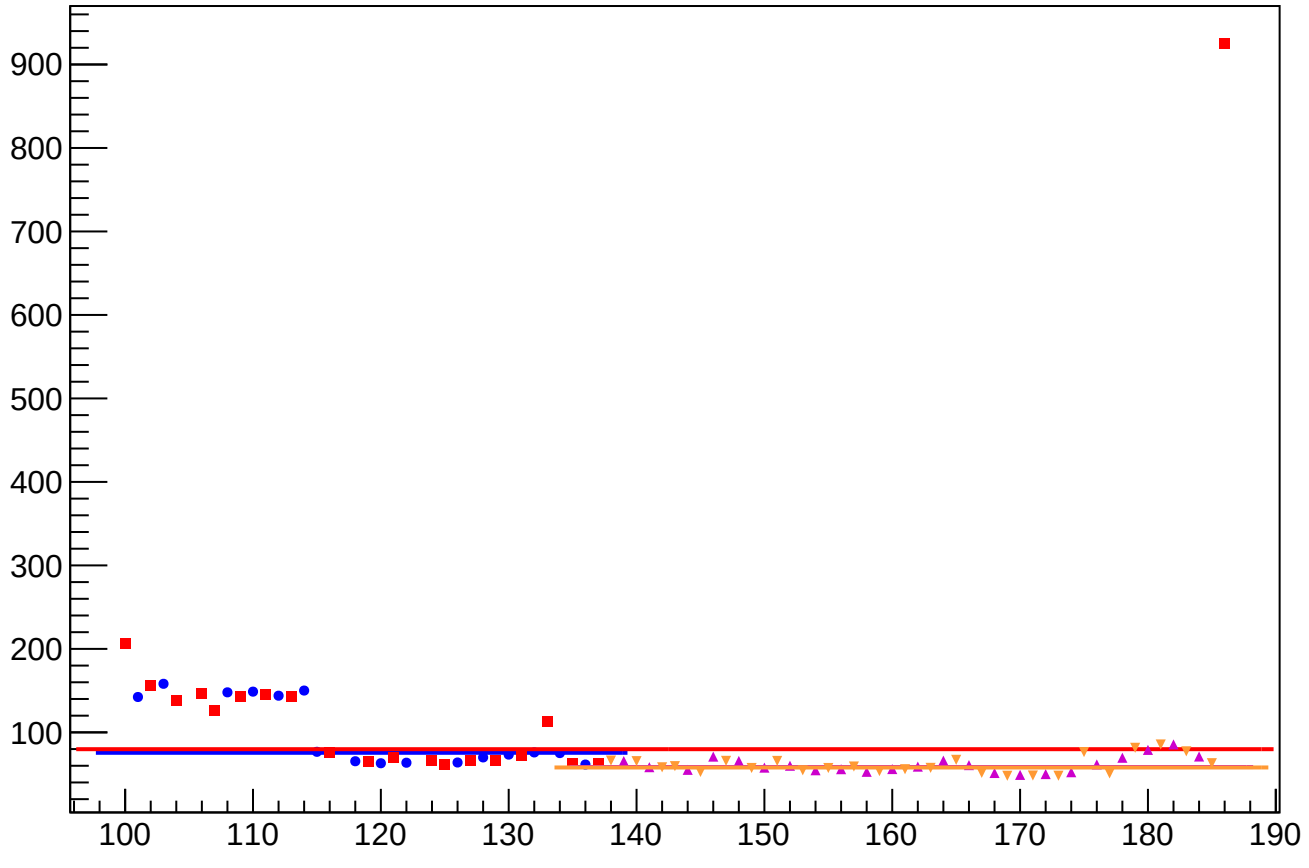
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 43.690+/-21.604 χ^2/NDF: 42.9/35

In: 45.553+/-12.628 χ^2/NDF:50.3/38

Out: 18.946+/-12.357 χ^2/NDF:48.5/44

All: 31.961+/-8.832 χ^2/NDF: 101.1/83



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 79.858+/-0.022 χ^2/NDF: 2363324.4/19

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

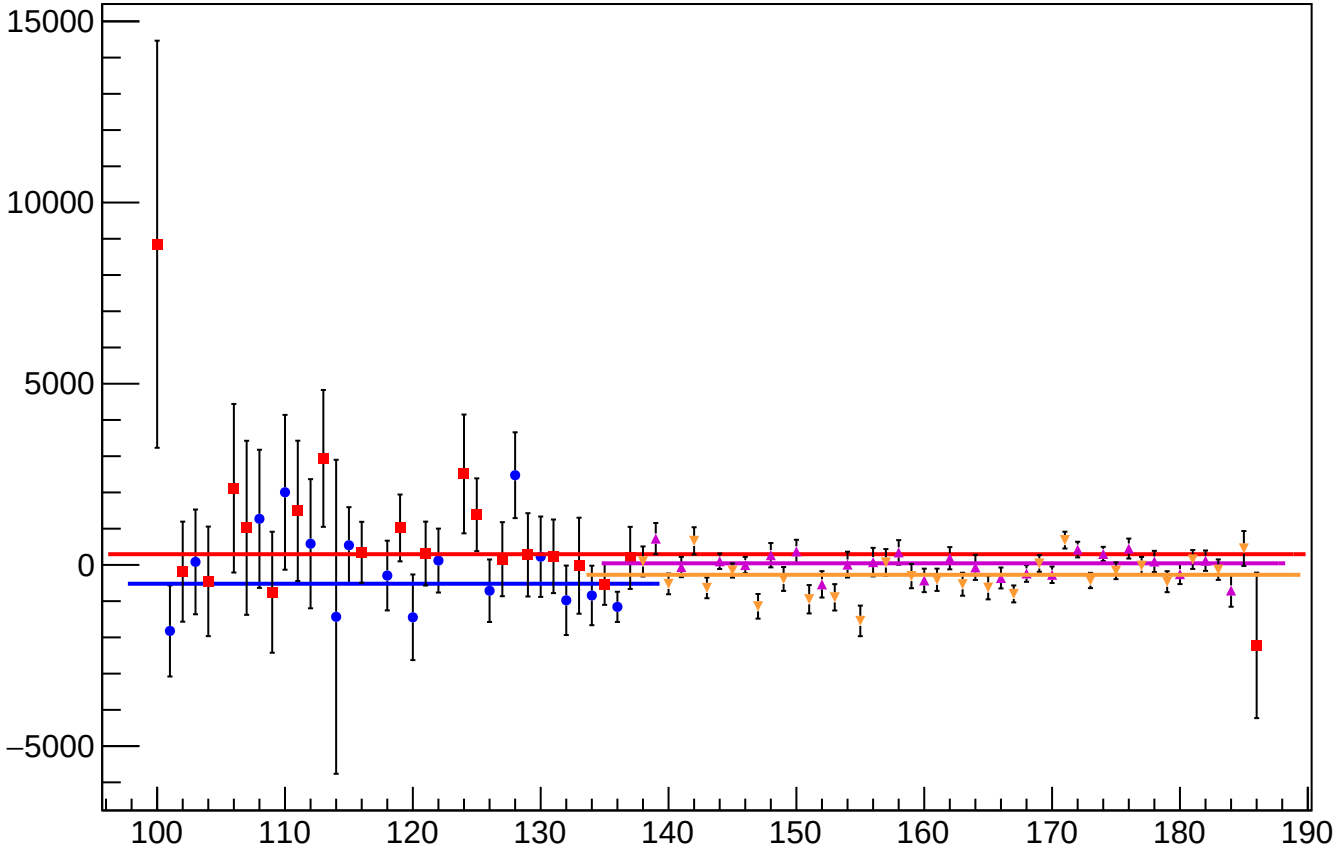
Right: 77.607+/-0.015 χ^2/NDF: 3848769.5/35

In: 61.522+/-0.009 χ^2/NDF:2650514.3/38

Out: 61.390+/-0.009 χ^2/NDF:4088754.5/44

All: 61.455+/-0.006 χ^2/NDF: 6739379.0/83

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -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

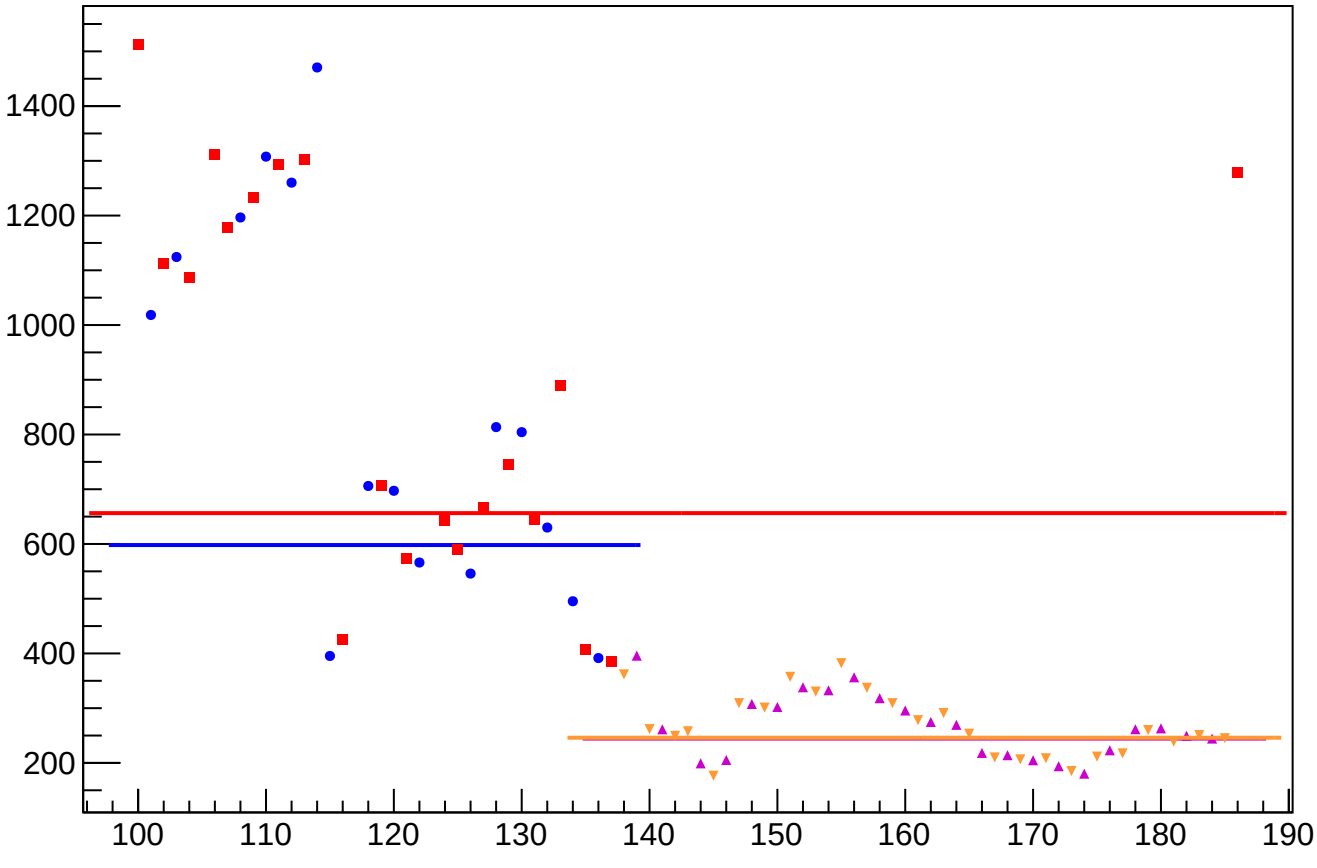
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -133.540+/-175.127 χ^2/NDF: 34.7/35

In: 13.143+/-56.958 χ^2/NDF:47.4/38

Out: -245.137+/-55.877 χ^2/NDF:84.0/44

All: -118.471+/-39.888 χ^2/NDF: 141.9/83



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

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

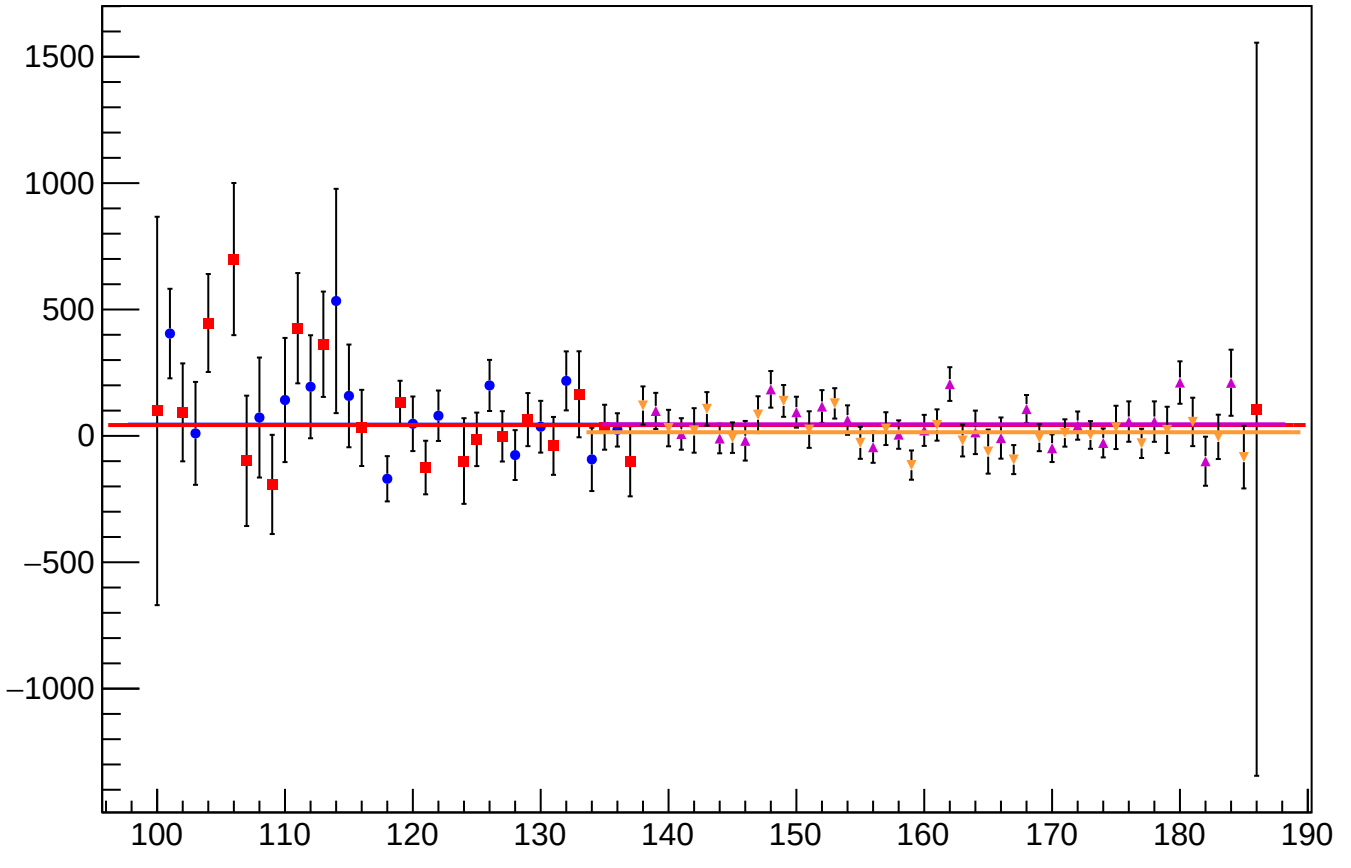
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 625.652+/-0.124 χ^2/NDF: 4504358.2/35

In: 264.149+/-0.040 χ^2/NDF:7699627.0/38

Out: 265.790+/-0.040 χ^2/NDF:9029037.4/44

All: 264.985+/-0.028 χ^2/NDF: 16729511.0/83



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

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

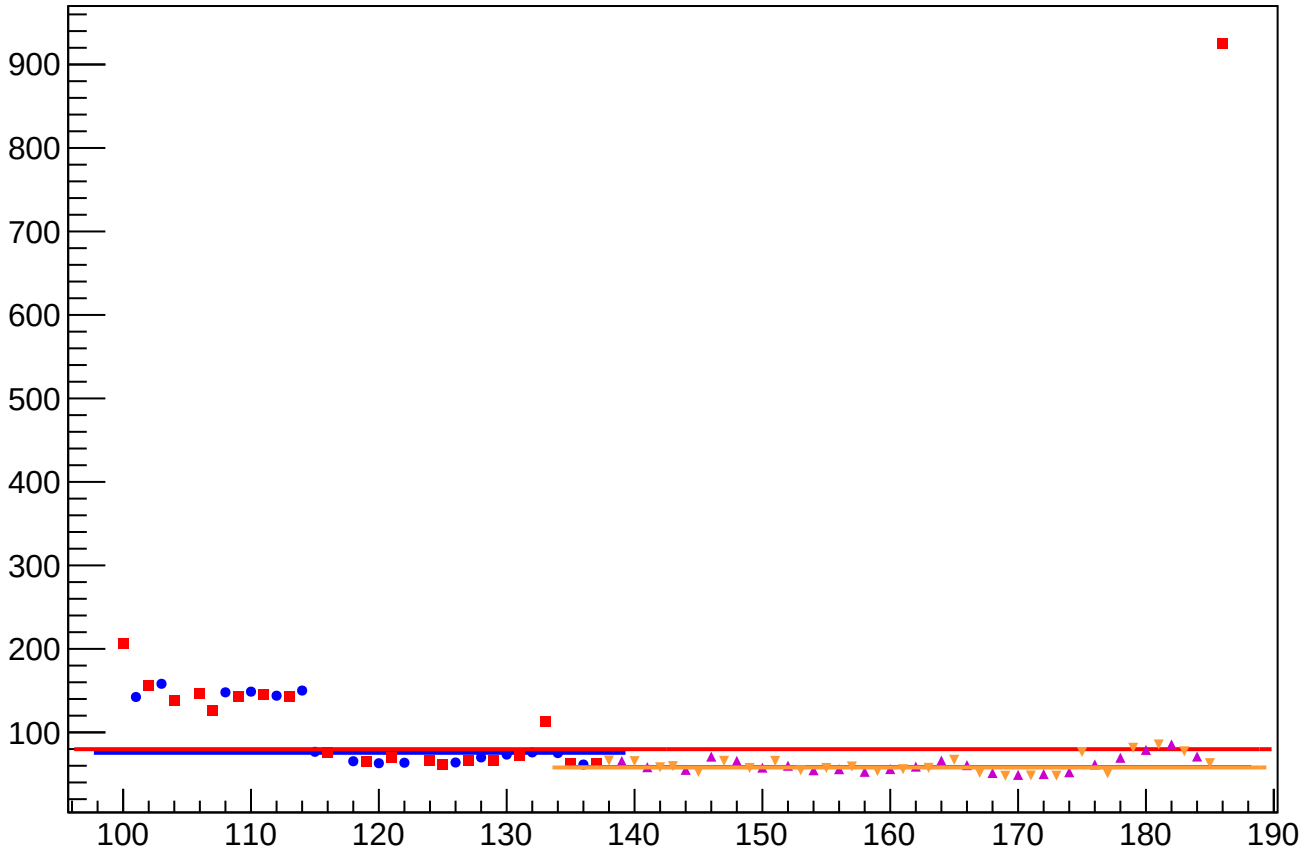
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 43.691+/-21.604 χ^2/NDF: 42.9/35

In: 45.553+/-12.628 χ^2/NDF:50.3/38

Out: 18.946+/-12.357 χ^2/NDF:48.5/44

All: 31.960+/-8.832 χ^2/NDF: 101.1/83



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

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

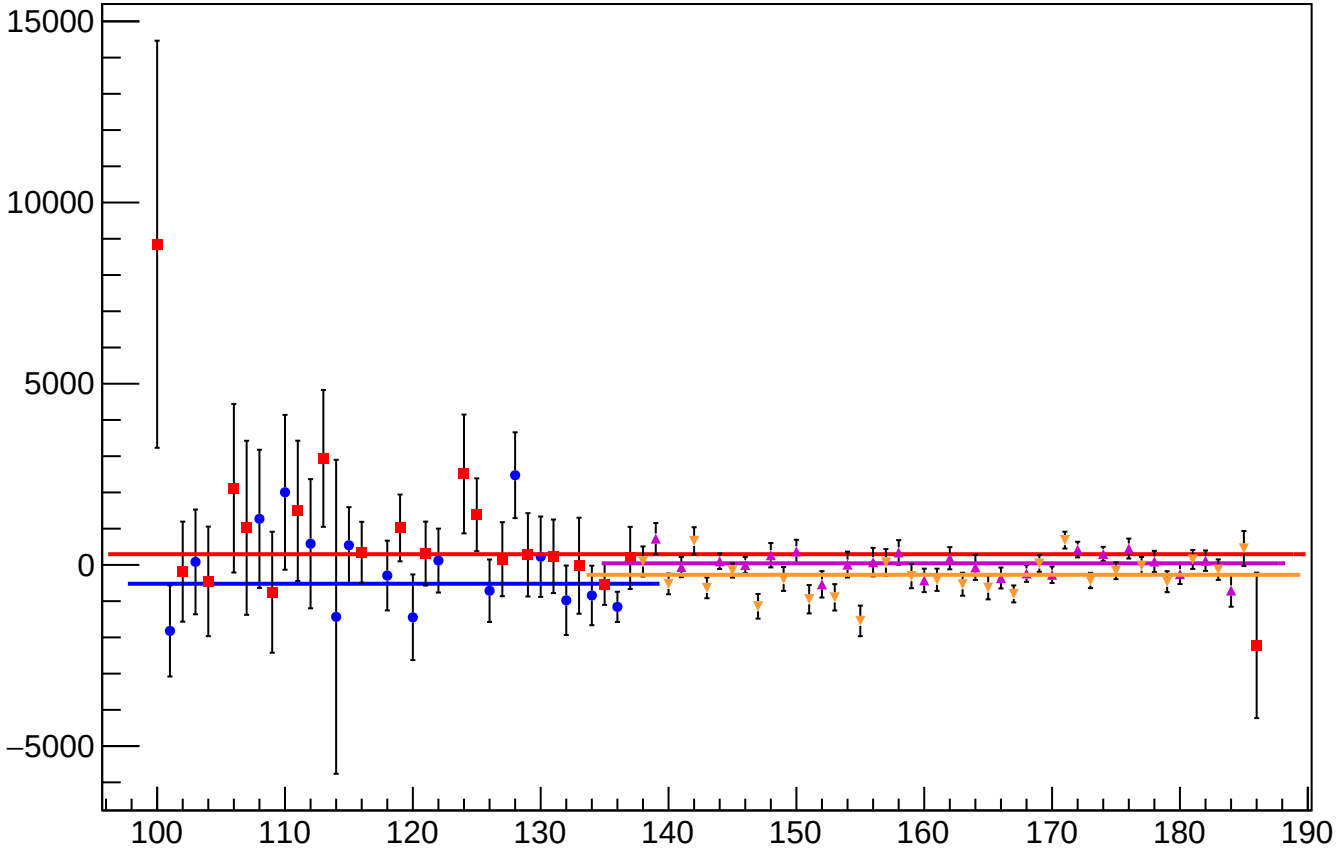
Right: 77.607+/-0.015 χ^2/NDF: 3848748.3/35

In: 61.522+/-0.009 χ^2/NDF:2650464.5/38

Out: 61.390+/-0.009 χ^2/NDF:4088729.4/44

All: 61.455+/-0.006 χ^2/NDF: 6739304.0/83

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -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

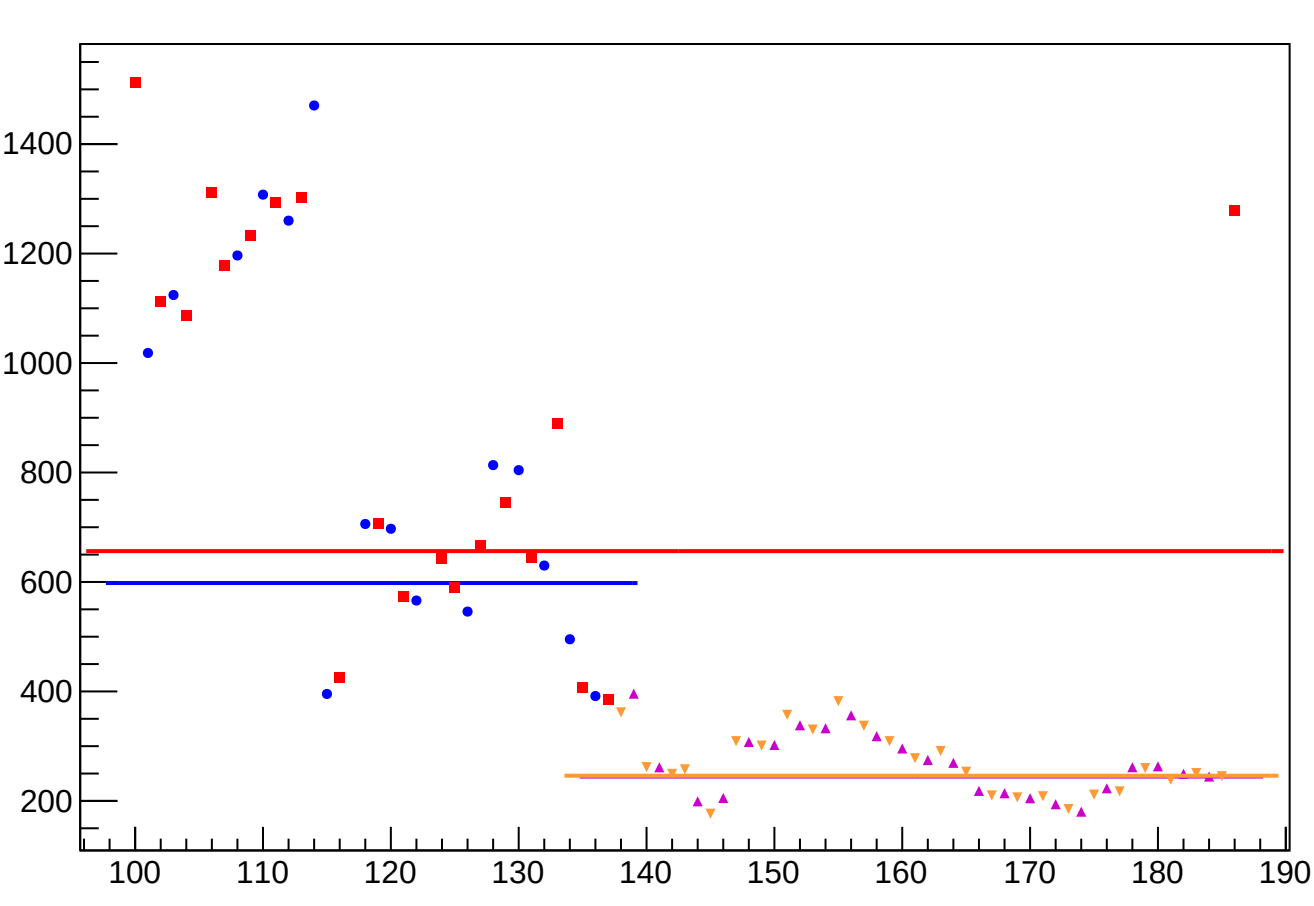
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -133.539+/-175.127 χ^2/NDF: 34.7/35

In: 13.143+/-56.958 χ^2/NDF:47.4/38

Out: -245.136+/-55.877 χ^2/NDF:84.0/44

All: -118.471+/-39.888 χ^2/NDF: 141.9/83



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

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

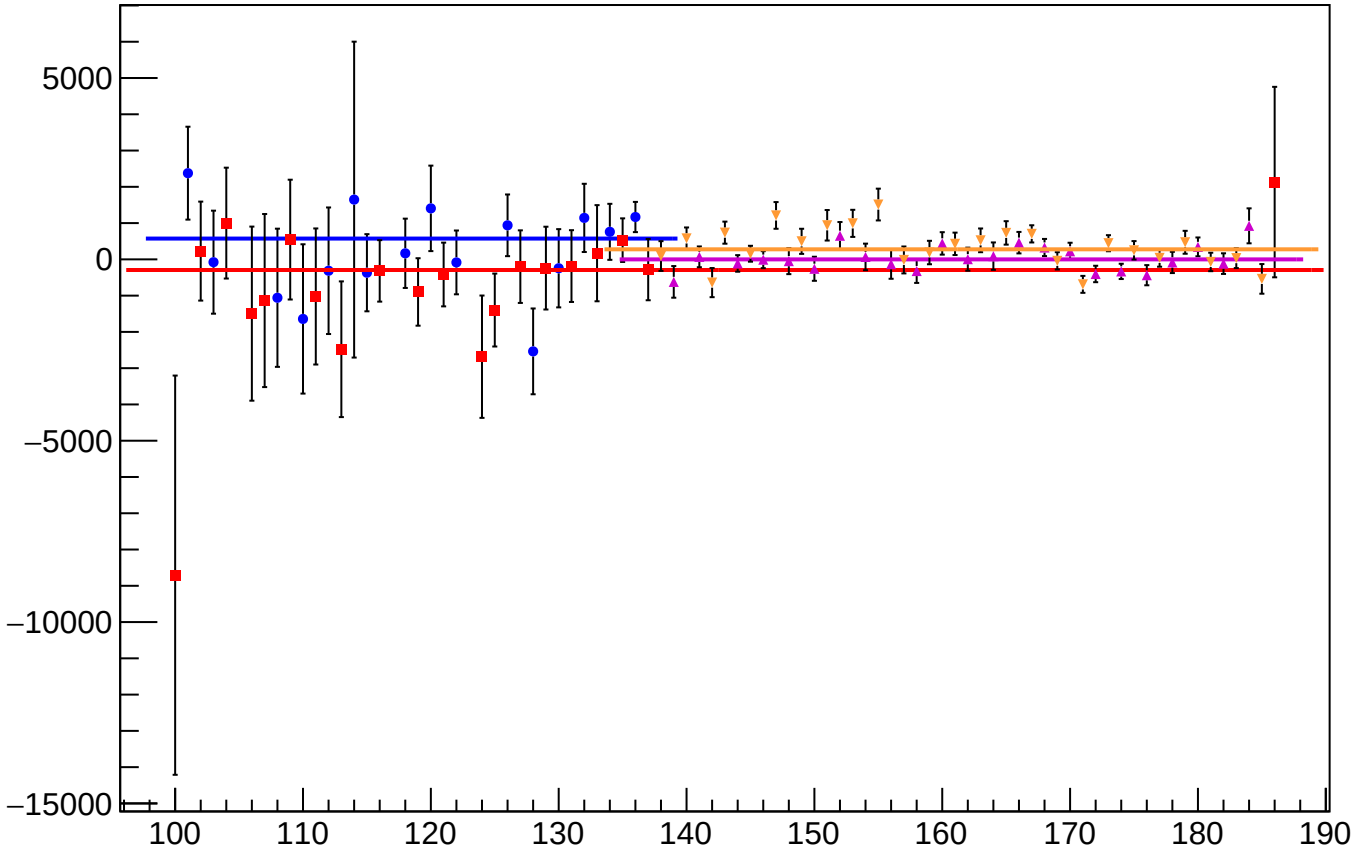
Right: 625.652+/-0.124 χ^2/NDF: 4504320.6/35

In: 264.149+/-0.040 χ^2/NDF:7699604.9/38

Out: 265.790+/-0.040 χ^2/NDF:9029032.3/44

All: 264.985+/-0.028 χ^2/NDF: 16729483.6/83

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

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

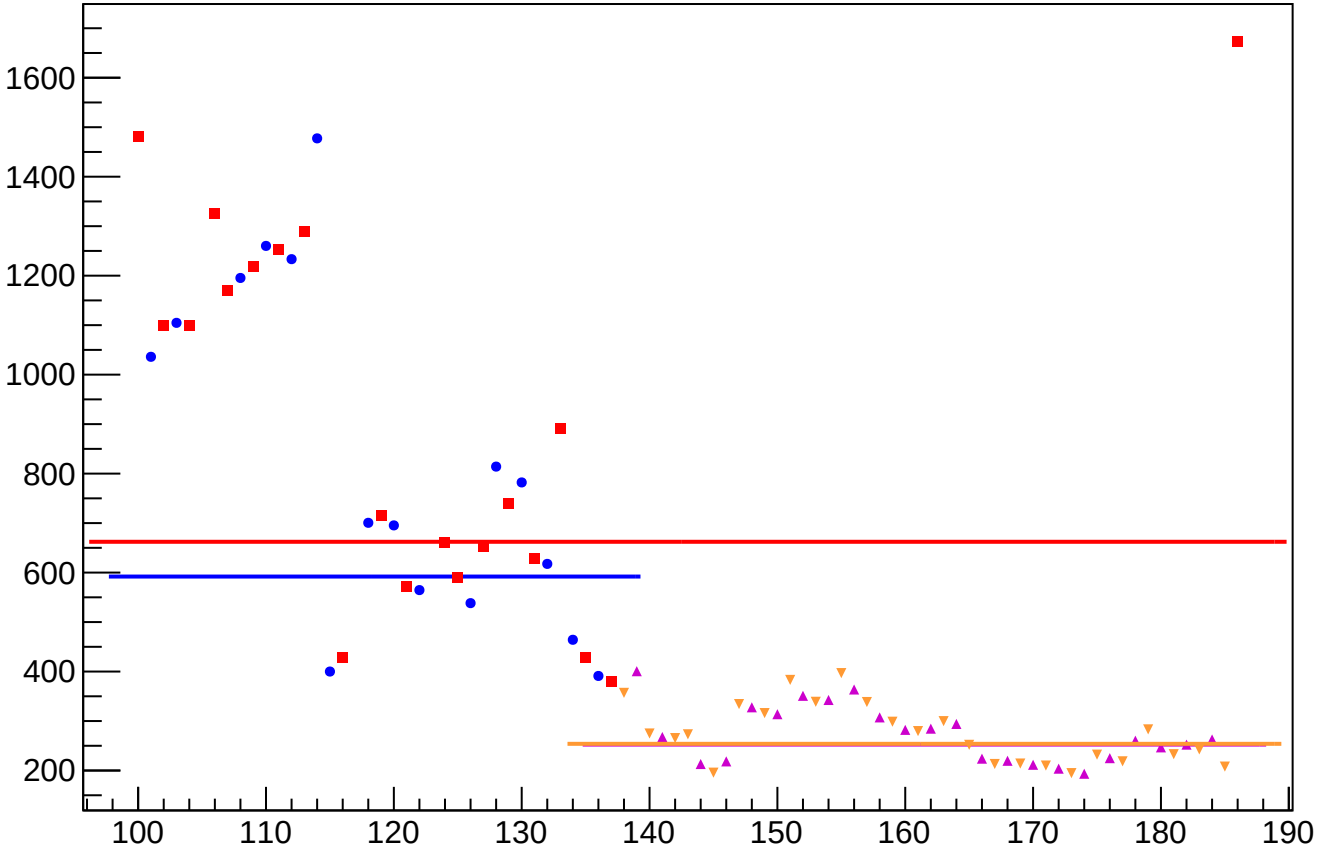
Right: 171.549+/-174.985 χ^2/NDF: 34.5/35

In: 33.873+/-58.518 χ^2/NDF:50.1/38

Out: 248.380+/-57.642 χ^2/NDF:80.6/44

All: 142.745+/-41.065 χ^2/NDF: 137.6/83

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

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

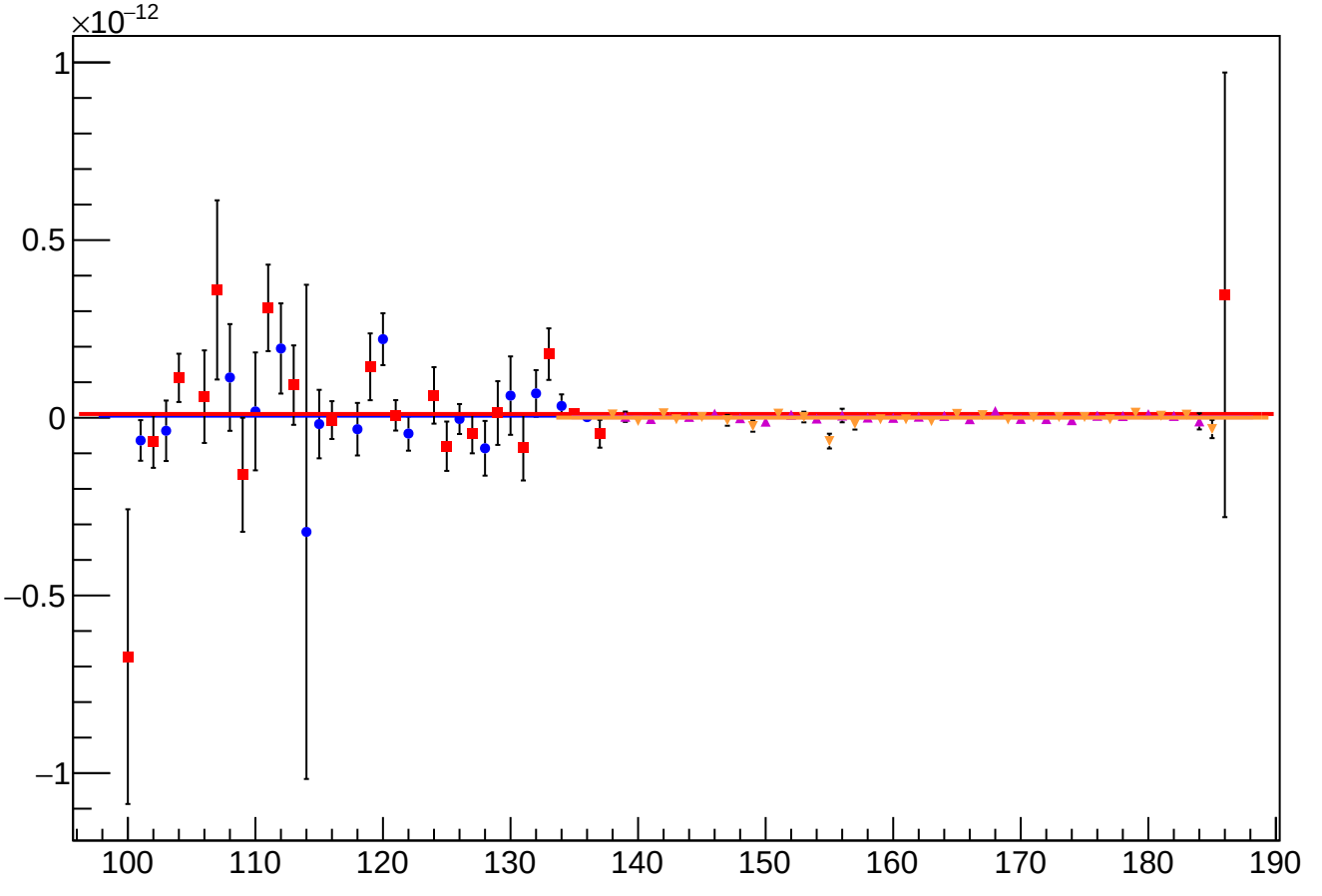
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 624.547+/-0.124 χ^2/NDF: 4505130.4/35

In: 272.761+/-0.041 χ^2/NDF:7245813.0/38

Out: 274.492+/-0.041 χ^2/NDF:8773752.8/44

All: 273.640+/-0.029 χ^2/NDF: 16020453.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

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

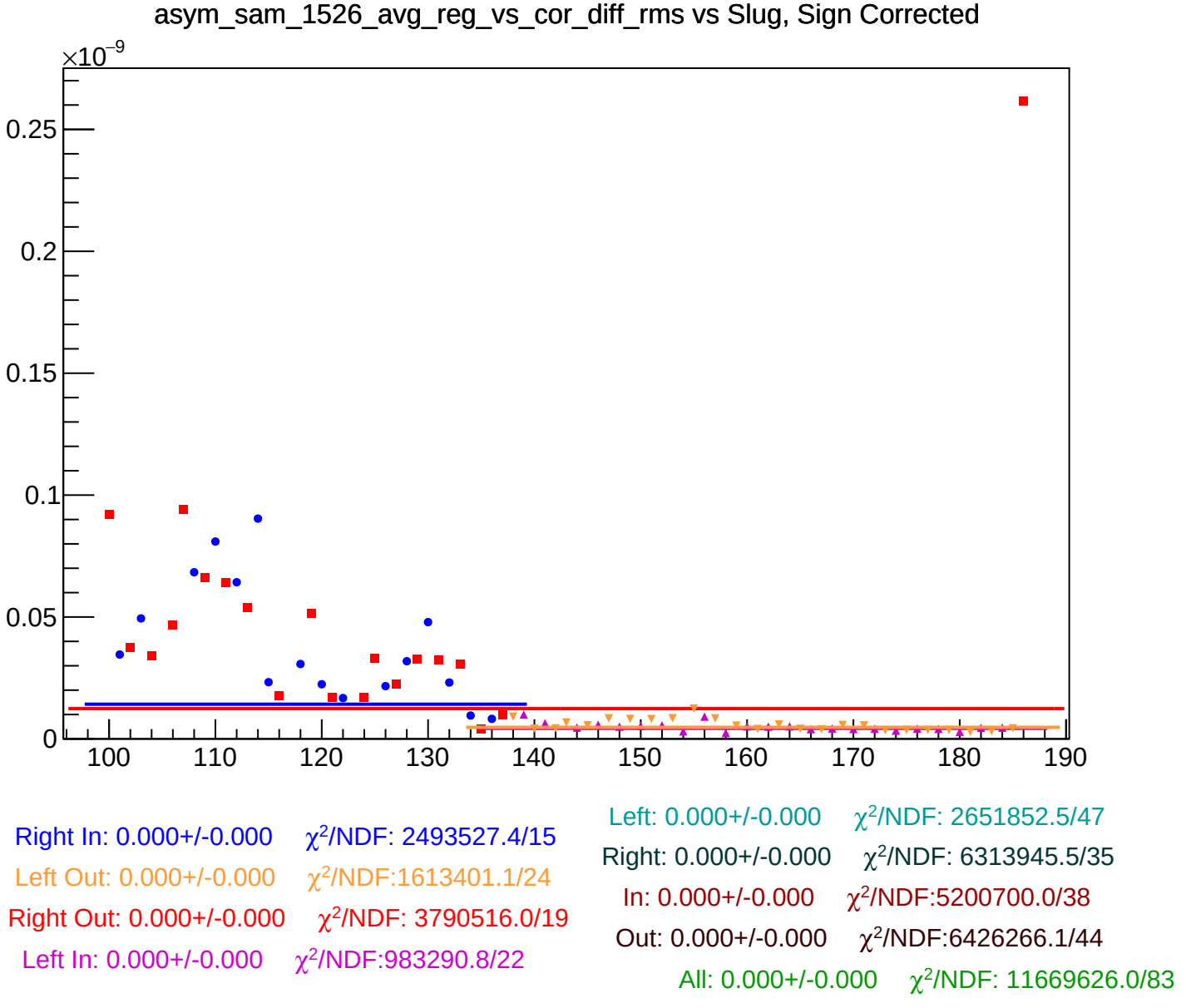
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

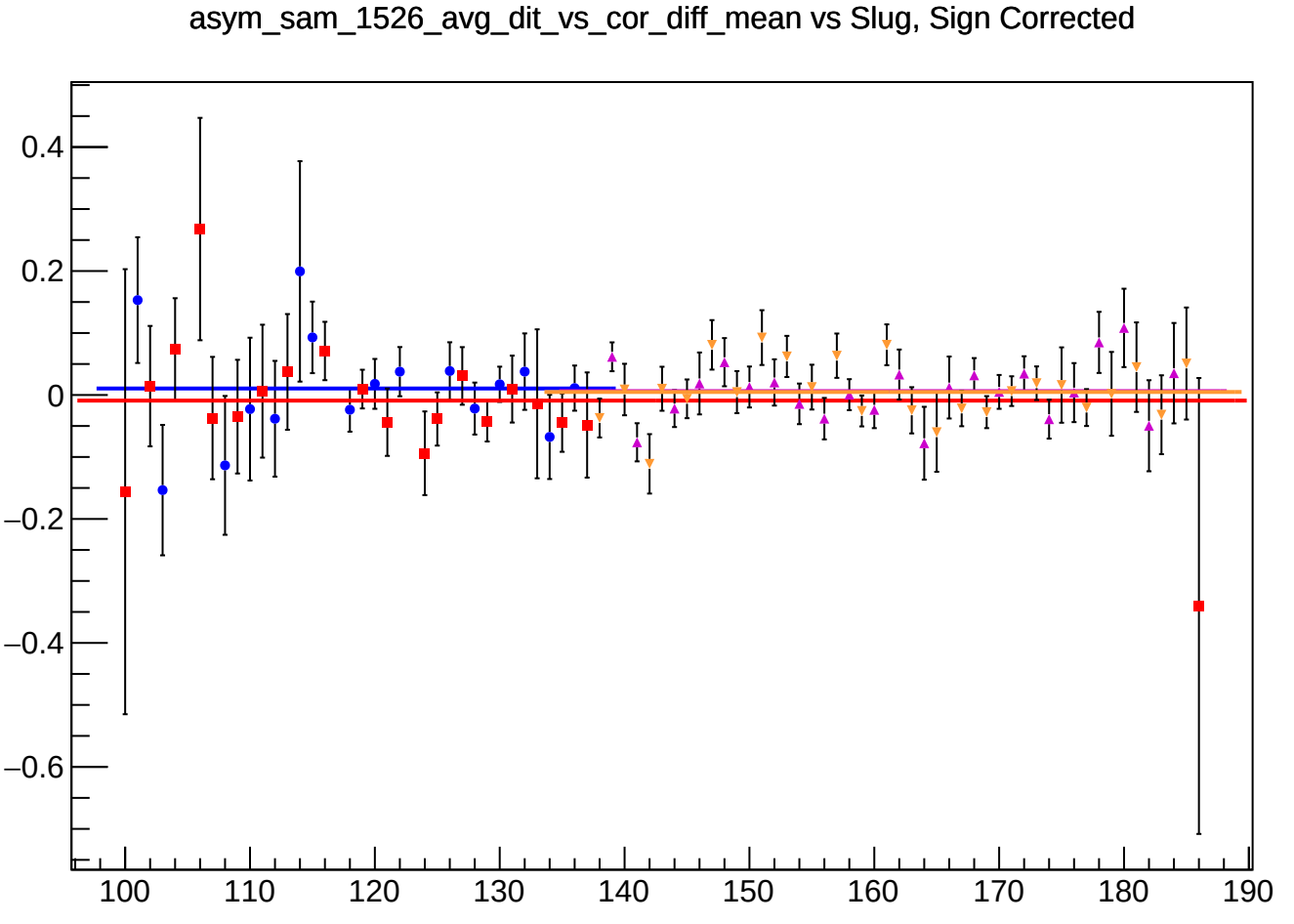
Right: 0.000+/-0.000 χ^2/NDF: 48.1/35

In: 0.000+/-0.000 χ^2/NDF:32.4/38

Out: 0.000+/-0.000 χ^2/NDF:57.6/44

All: 0.000+/-0.000 χ^2/NDF: 90.1/83


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: 2493527.4/15
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: 6313945.5/35
In: 0.000+/-0.000 χ²/NDF:5200700.0/38
Out: 0.000+/-0.000 χ²/NDF:6426266.1/44
All: 0.000+/-0.000 χ²/NDF: 11669626.0/83



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

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

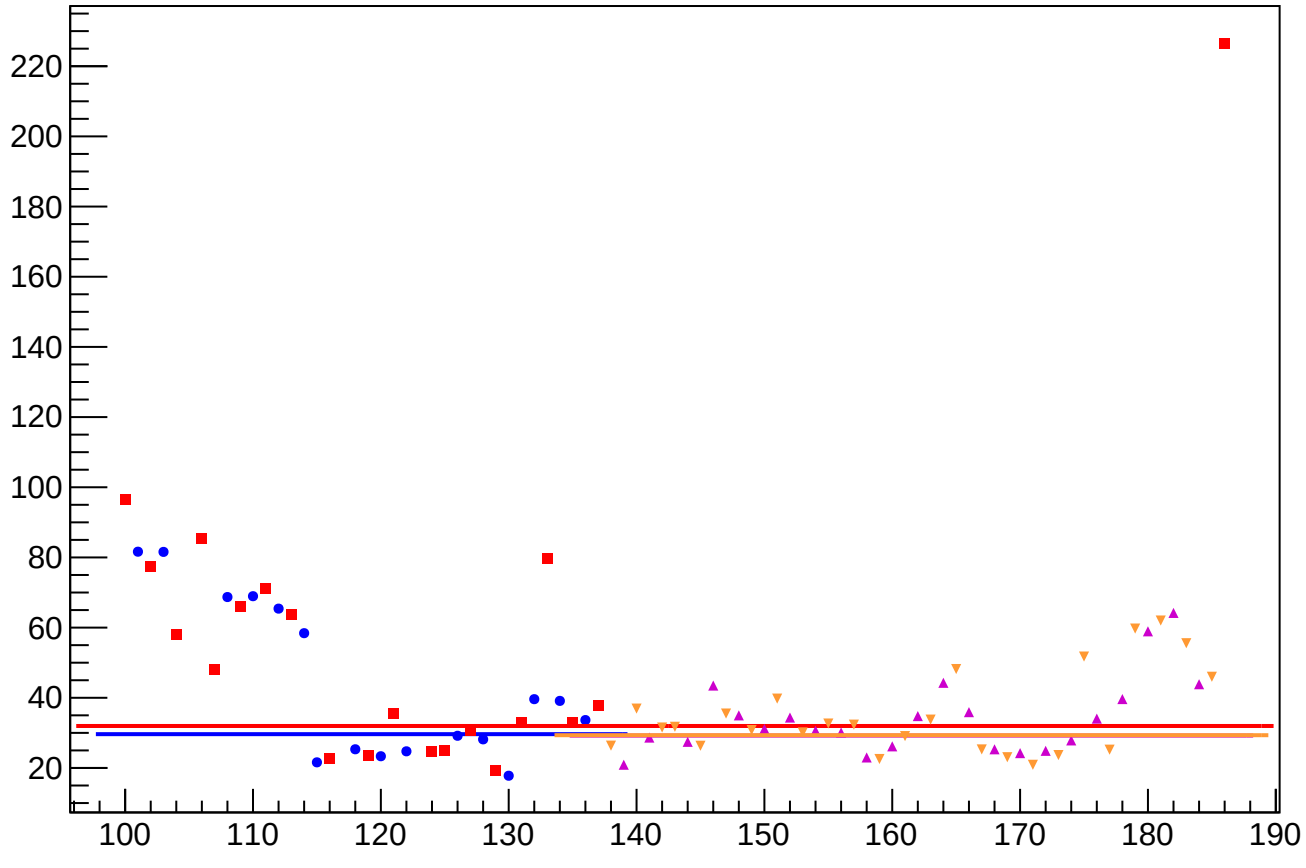
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.001+/-0.009 χ^2/NDF: 27.5/35

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.7/83



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

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

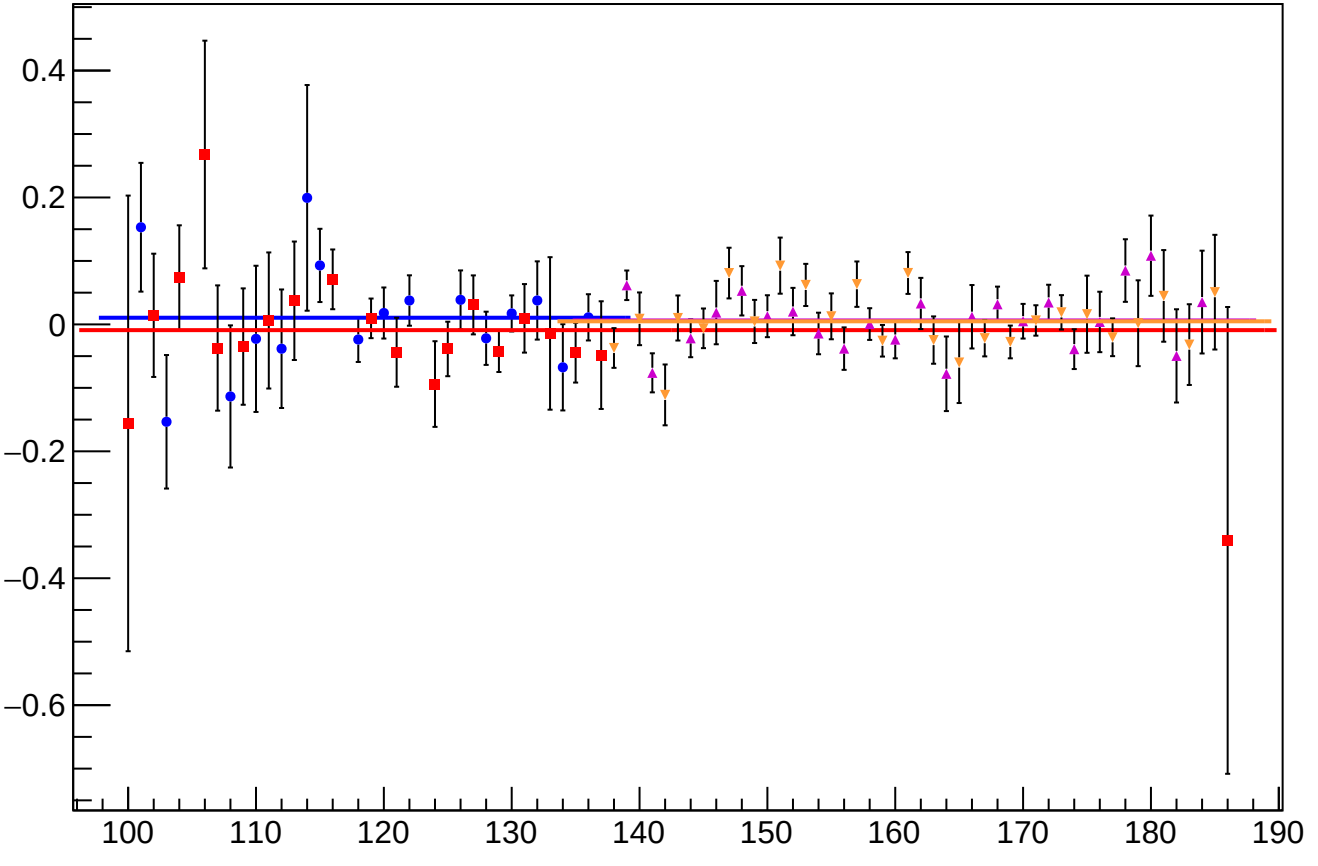
Right: 30.739+/-0.006 χ^2/NDF: 5692498.4/35

In: 29.329+/-0.004 χ^2/NDF:4547709.9/38

Out: 29.925+/-0.004 χ^2/NDF:5959743.7/44

All: 29.628+/-0.003 χ^2/NDF: 10516504.9/83

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-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

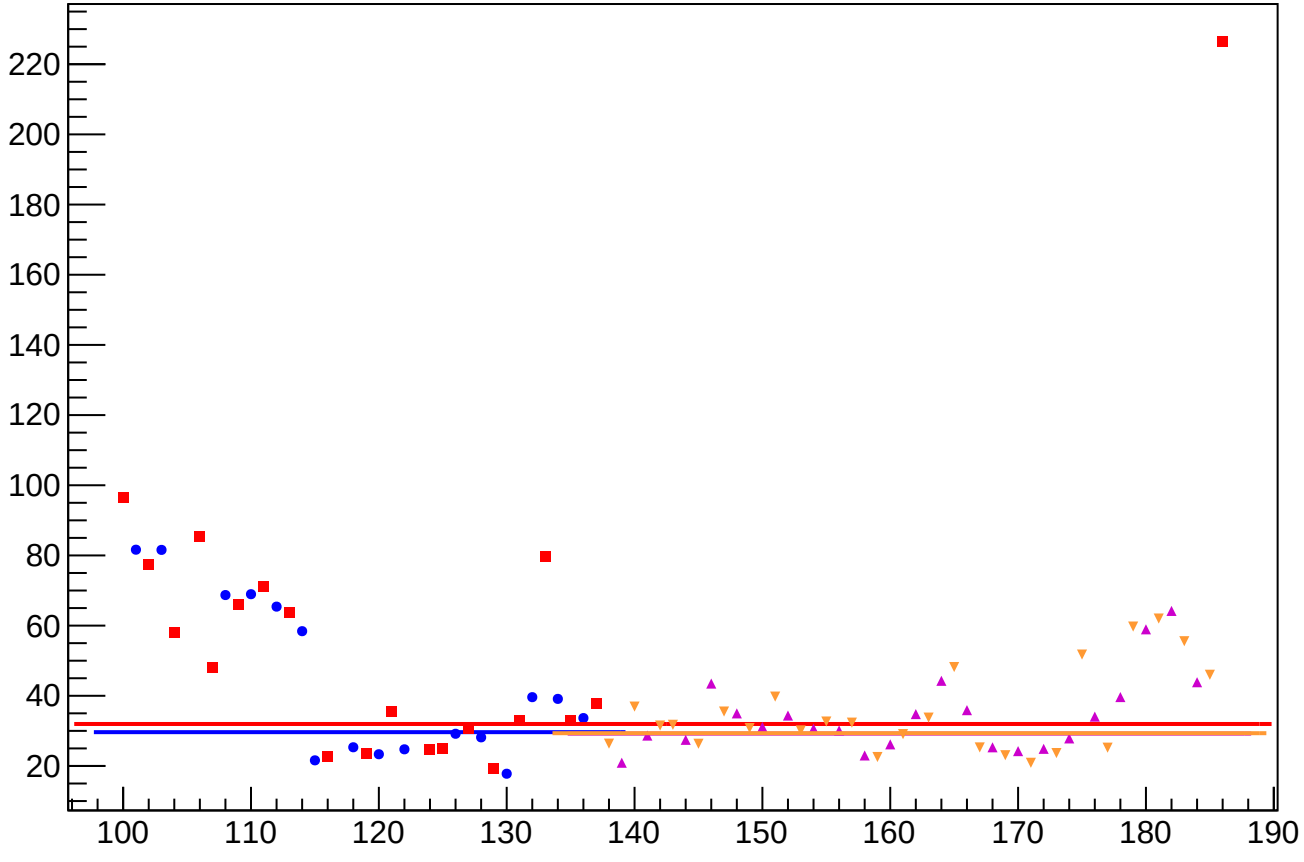
Right: 0.001+/-0.009 χ^2/NDF: 27.5/35

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.7/83

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 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

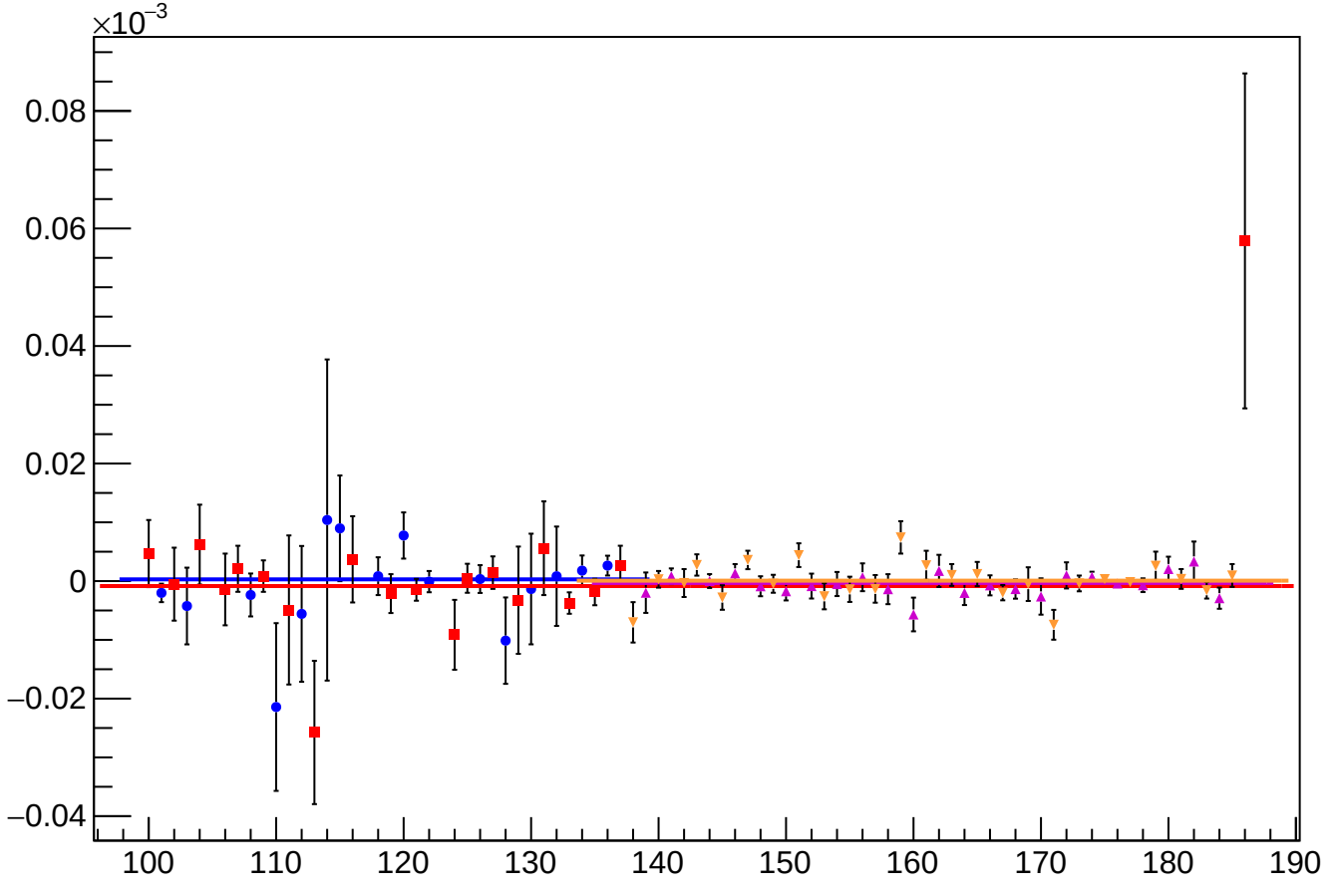
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.739+/-0.006 χ^2/NDF: 5692498.4/35

In: 29.329+/-0.004 χ^2/NDF:4547709.9/38

Out: 29.925+/-0.004 χ^2/NDF:5959743.7/44

All: 29.628+/-0.003 χ^2/NDF: 10516504.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

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

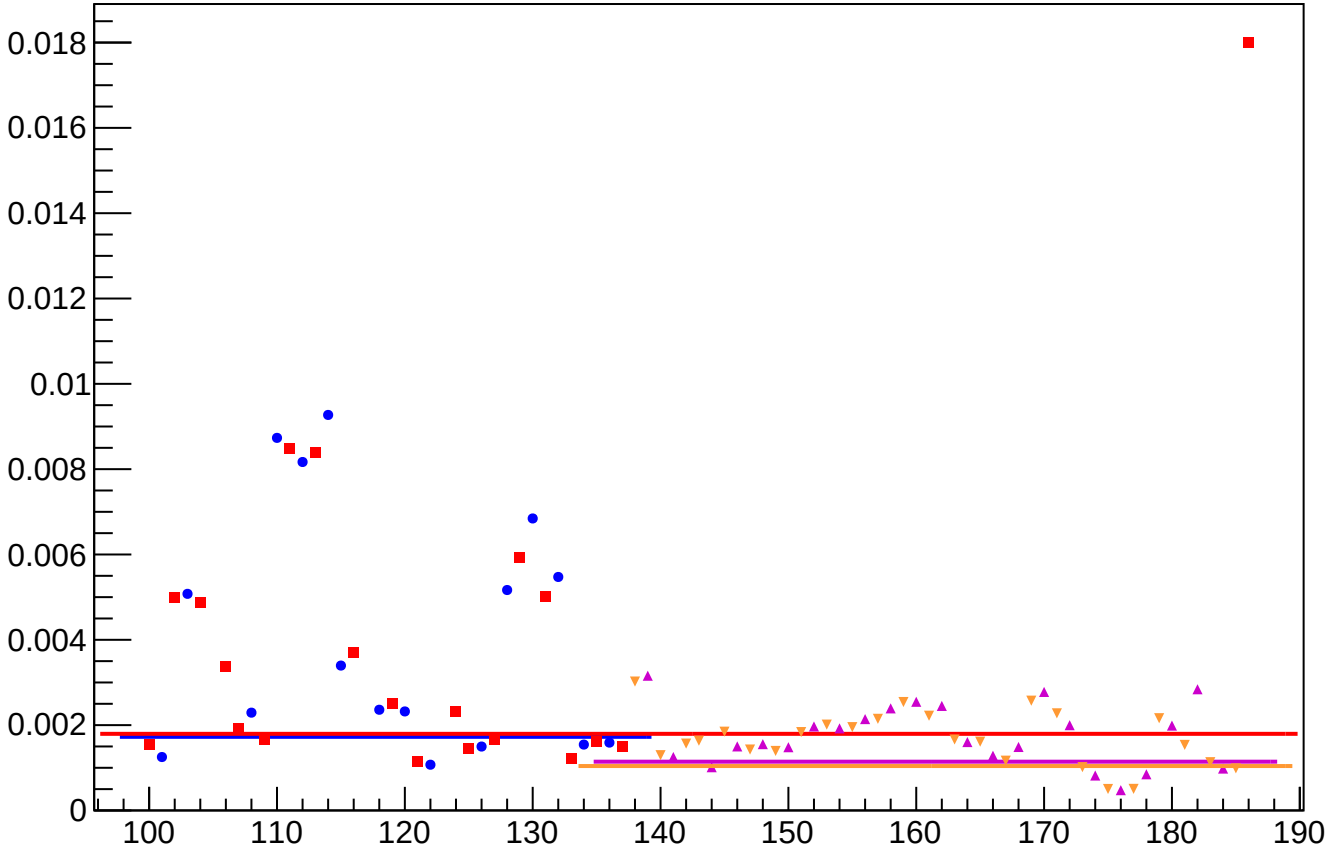
Right: -0.000+/-0.000 χ^2/NDF: 35.5/35

In: -0.000+/-0.000 χ^2/NDF:30.8/38

Out: -0.000+/-0.000 χ^2/NDF:64.6/44

All: -0.000+/-0.000 χ^2/NDF: 95.6/83

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-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

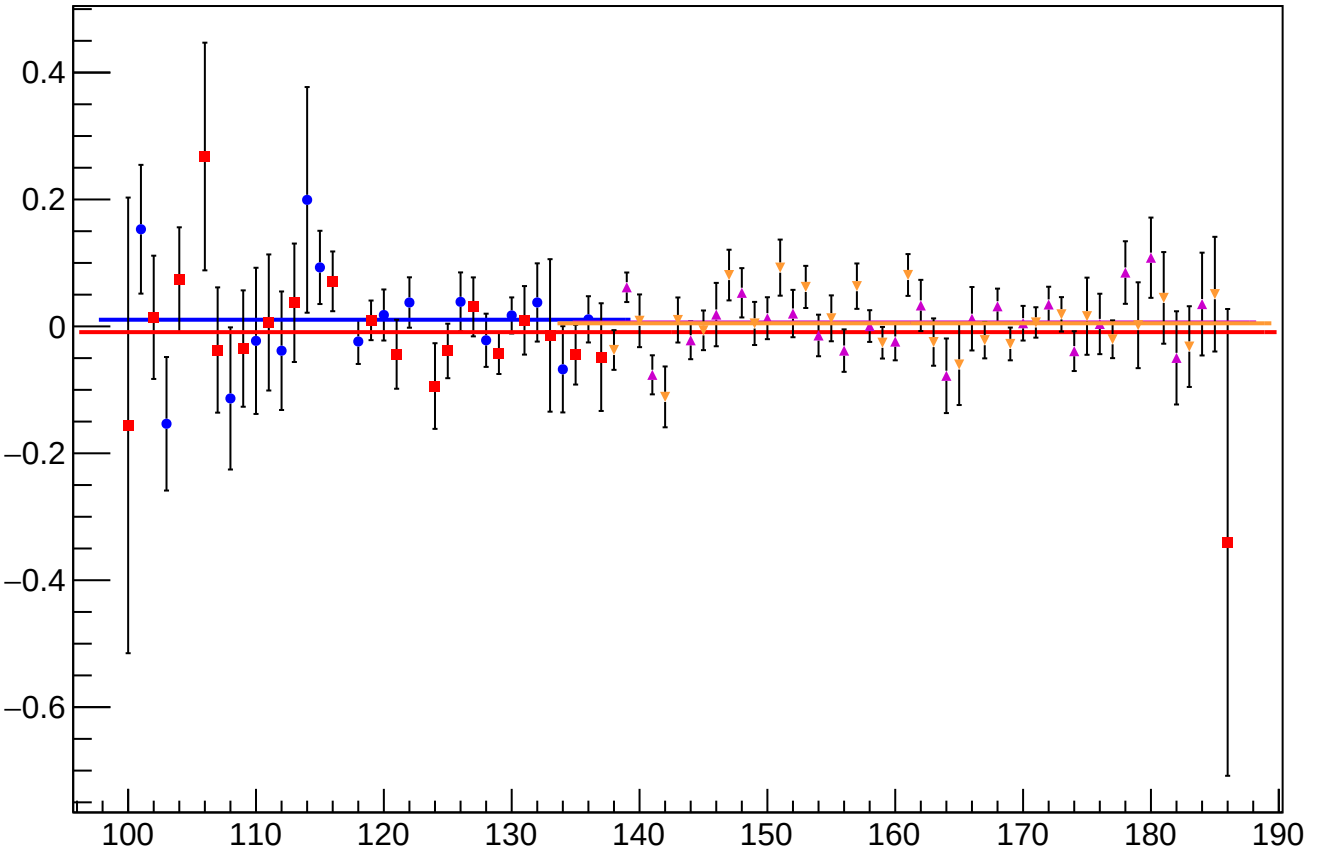
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 8306778.9/35

In: 0.001+/-0.000 χ^2/NDF:13228063.8/38

Out: 0.001+/-0.000 χ^2/NDF:15868148.1/44

All: 0.001+/-0.000 χ^2/NDF: 29225047.2/83



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

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

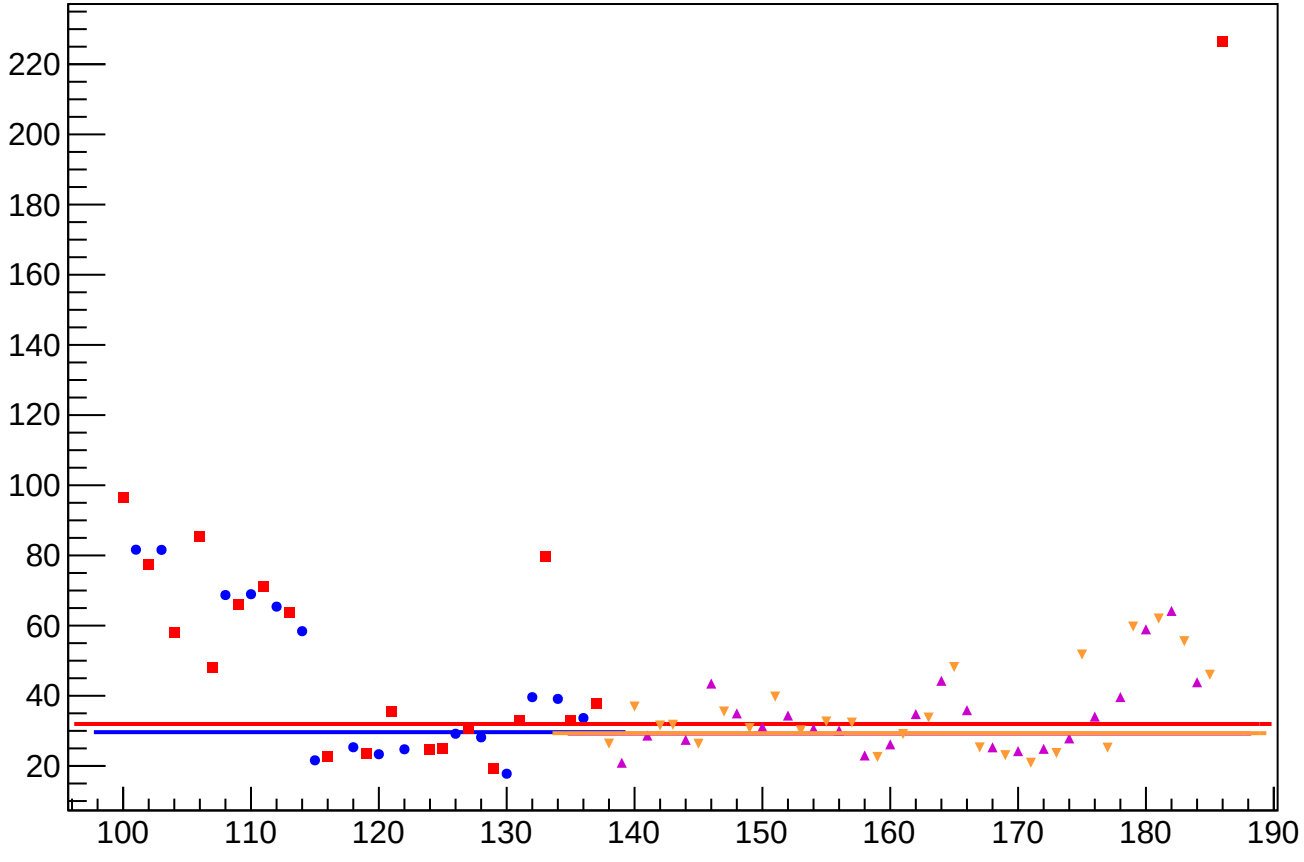
Right: 0.001+/-0.009 χ^2/NDF: 27.5/35

In: 0.007+/-0.006 χ^2/NDF:44.2/38

Out: 0.002+/-0.006 χ^2/NDF:48.1/44

All: 0.005+/-0.004 χ^2/NDF: 92.7/83

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

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

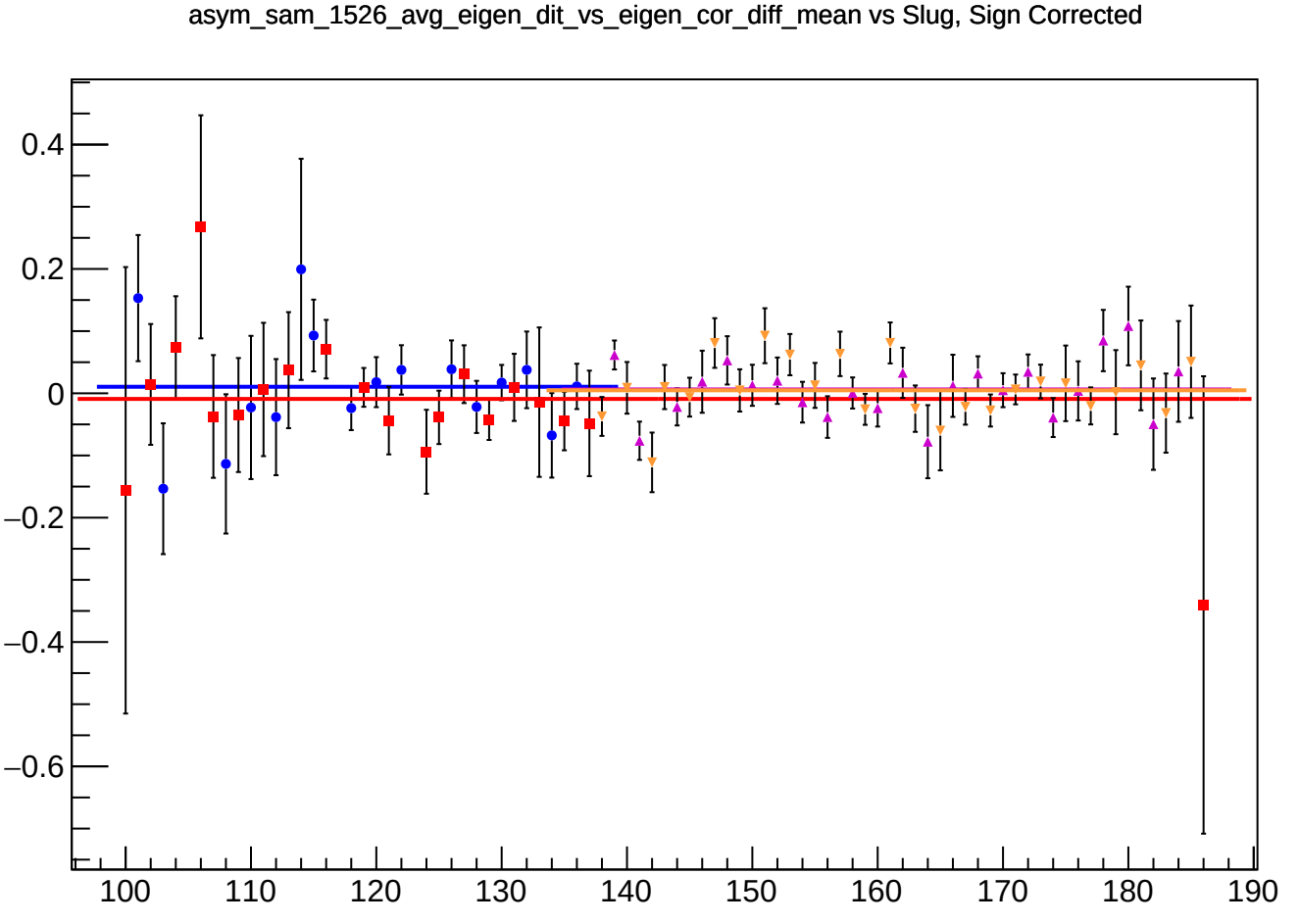
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.737+/-0.006 χ^2/NDF: 5692879.3/35

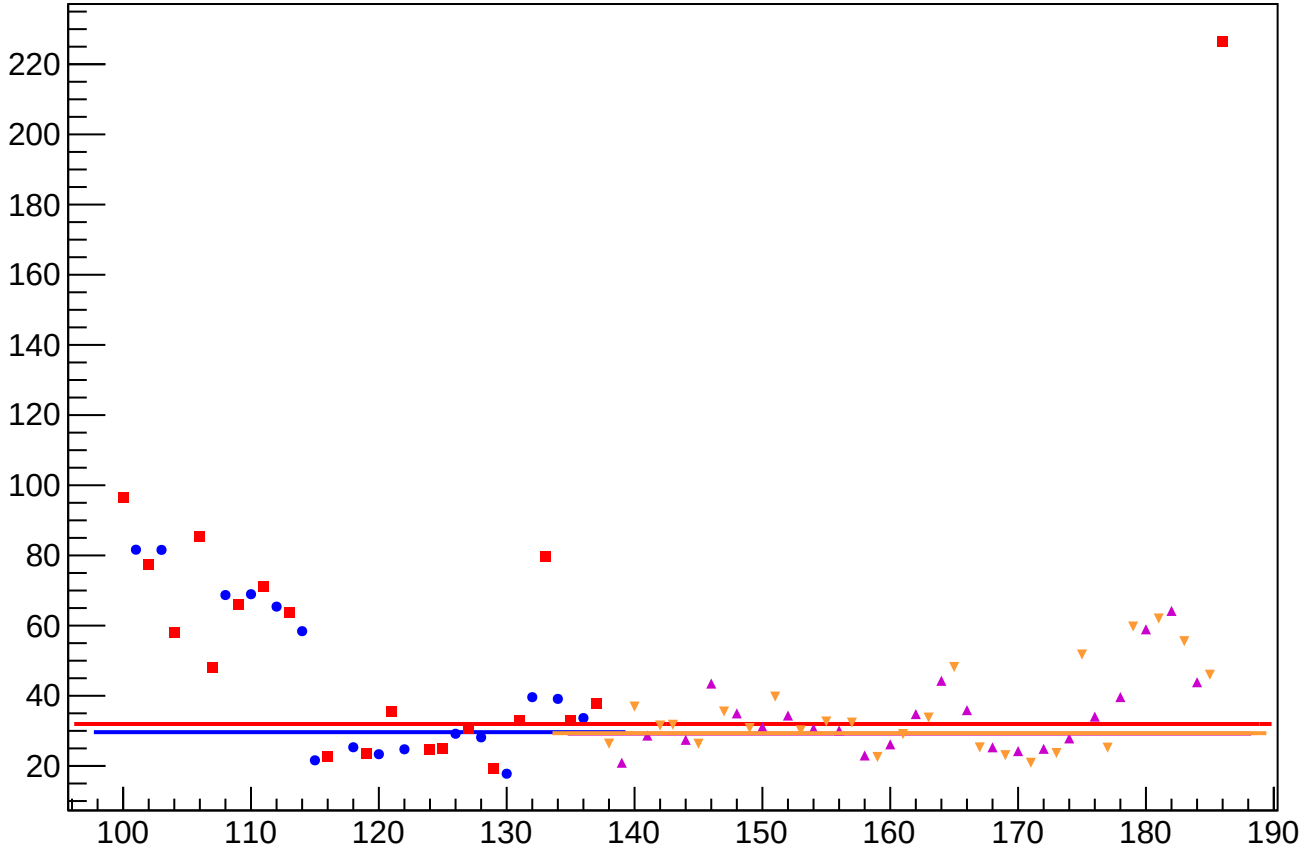
In: 29.329+/-0.004 χ^2/NDF:4547863.4/38

Out: 29.925+/-0.004 χ^2/NDF:5959896.8/44

All: 29.628+/-0.003 χ^2/NDF: 10516808.3/83


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.009+/-0.013 χ²/NDF: 13.2/19
Left In: 0.006+/-0.007 χ²/NDF:31.0/22
Left: 0.006+/-0.005 χ²/NDF: 65.0/47
Right: 0.001+/-0.009 χ²/NDF: 27.5/35
In: 0.007+/-0.006 χ²/NDF:44.2/38
Out: 0.002+/-0.006 χ²/NDF:48.1/44
All: 0.005+/-0.004 χ²/NDF: 92.7/83

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 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

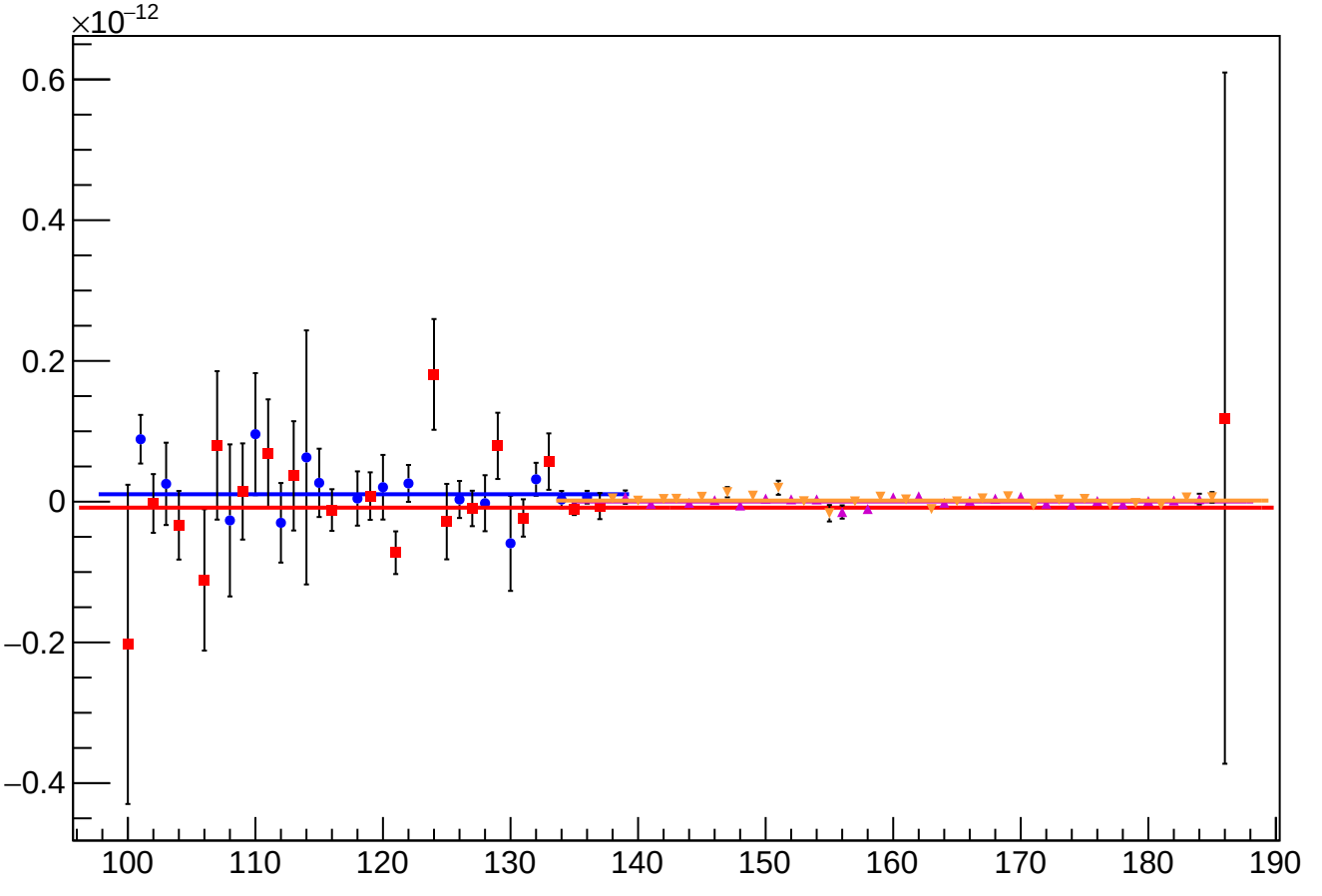
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.737+/-0.006 χ^2/NDF: 5692879.3/35

In: 29.329+/-0.004 χ^2/NDF:4547863.4/38

Out: 29.925+/-0.004 χ^2/NDF:5959896.8/44

All: 29.628+/-0.003 χ^2/NDF: 10516808.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

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

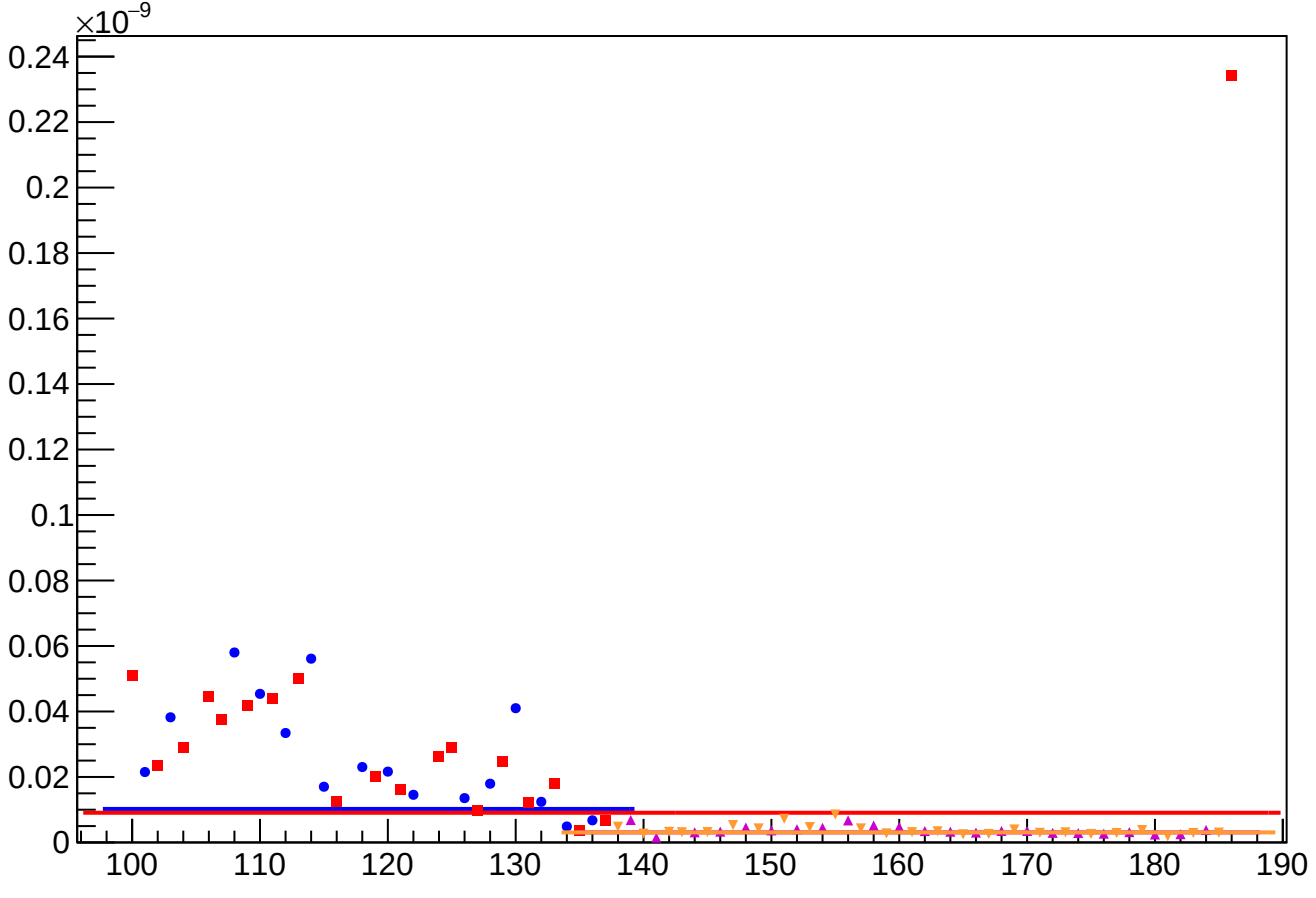
Right: 0.000+/-0.000 χ^2/NDF: 36.7/35

In: 0.000+/-0.000 χ^2/NDF:31.5/38

Out: 0.000+/-0.000 χ^2/NDF:59.3/44

All: 0.000+/-0.000 χ^2/NDF: 91.2/83

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

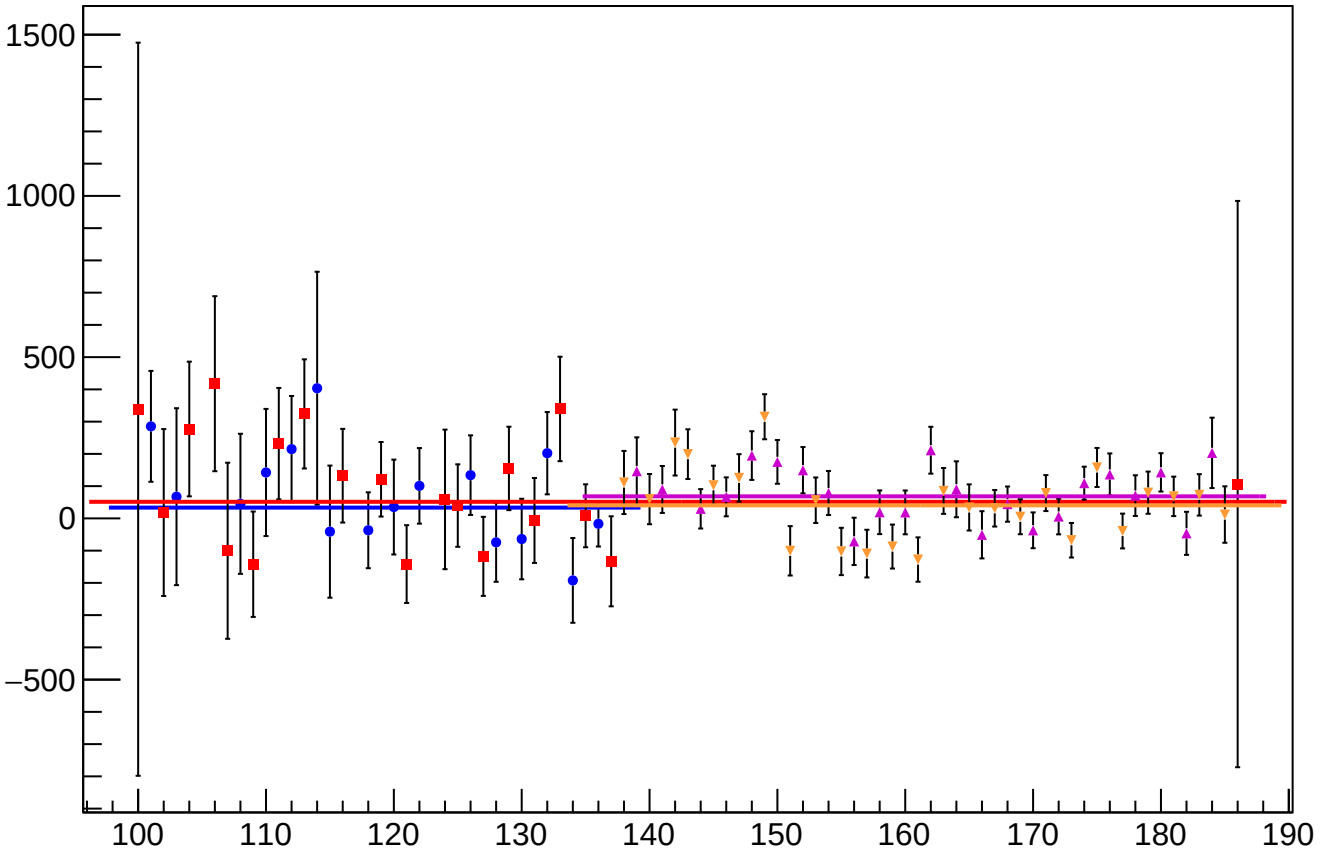
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8484947.7/35

In: 0.000+/-0.000 χ^2/NDF:8441645.4/38

Out: 0.000+/-0.000 χ^2/NDF:8961546.1/44

All: 0.000+/-0.000 χ^2/NDF: 17404796.2/83



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

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

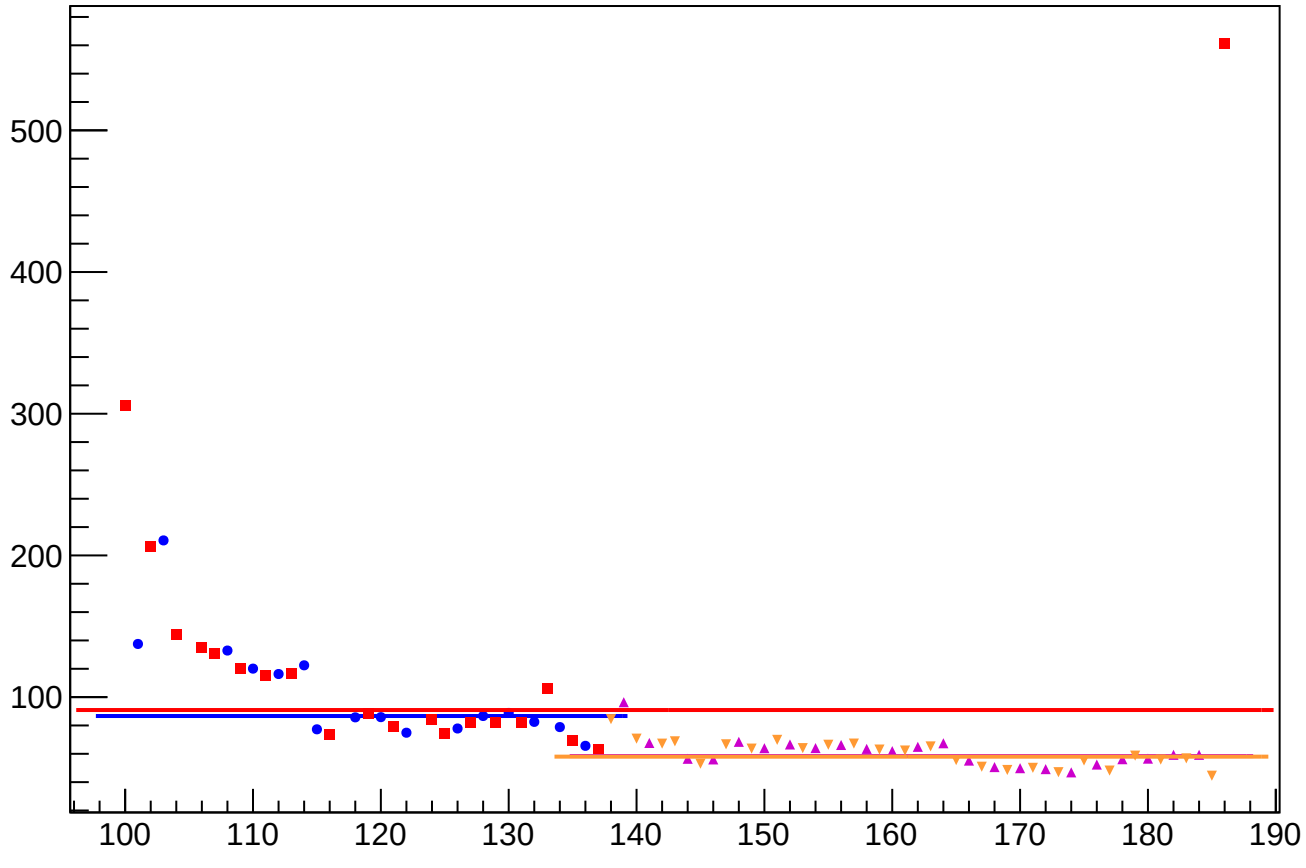
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 42.179+/-24.284 χ^2/NDF: 32.5/35

In: 63.335+/-12.833 χ^2/NDF:45.5/38

Out: 41.771+/-12.508 χ^2/NDF:79.1/44

All: 52.276+/-8.957 χ^2/NDF: 126.0/83



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

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

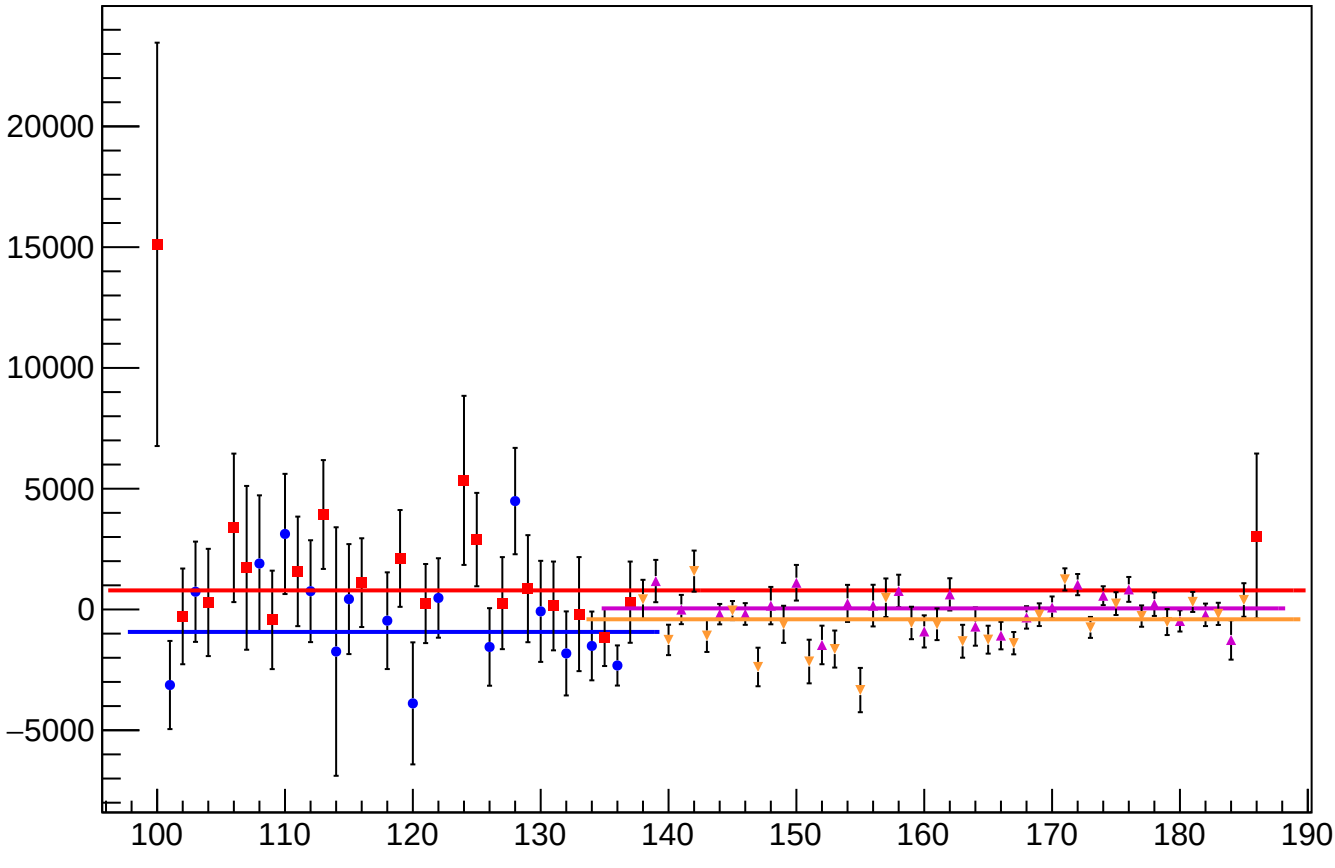
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 88.722+/-0.017 χ^2/NDF: 2778718.3/35

In: 62.452+/-0.009 χ^2/NDF:2966648.0/38

Out: 62.240+/-0.009 χ^2/NDF:4087115.1/44

All: 62.343+/-0.006 χ^2/NDF: 7054045.4/83



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

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

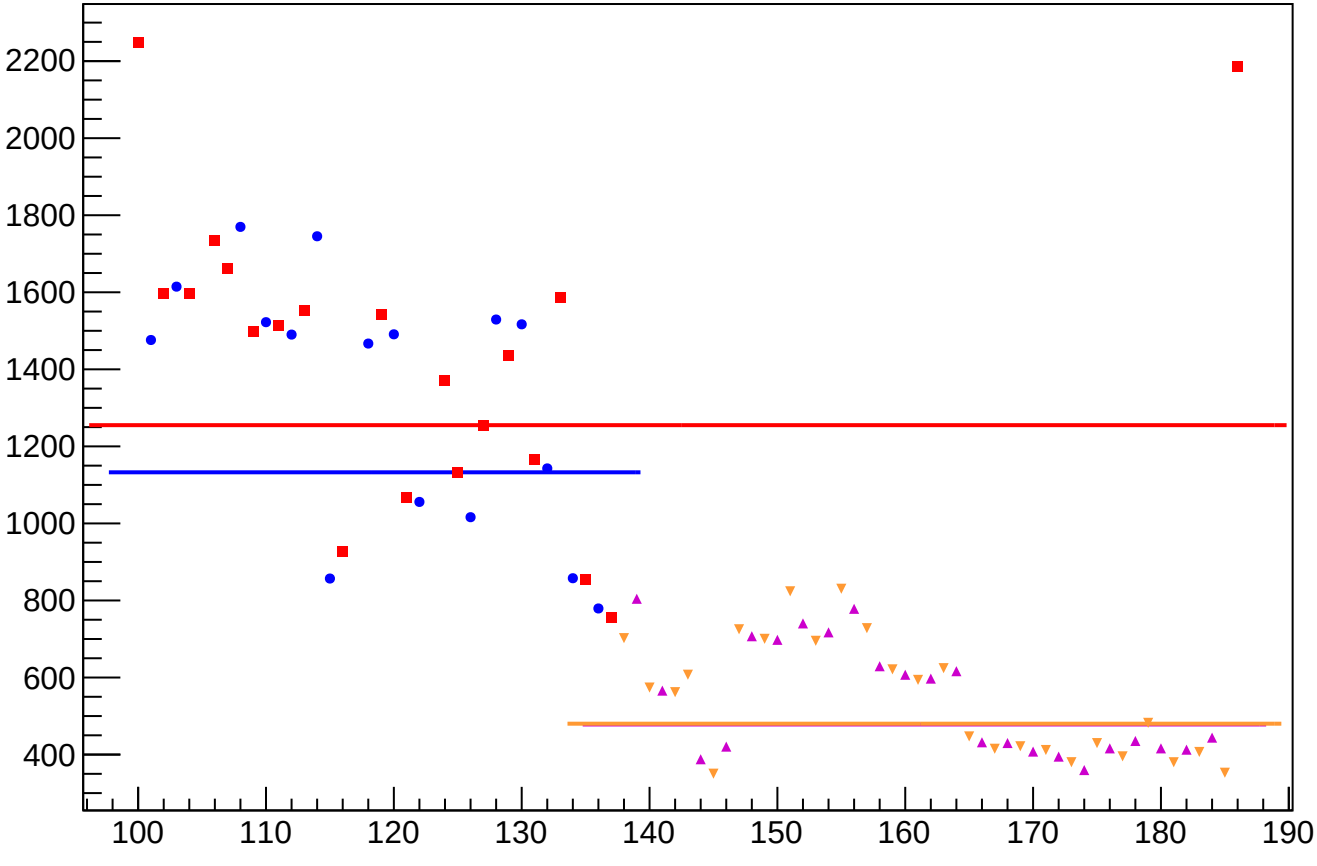
Right: -113.267+/-319.475 χ^2/NDF: 39.2/35

In: -18.030+/-111.970 χ^2/NDF:54.2/38

Out: -338.731+/-110.214 χ^2/NDF:82.9/44

All: -180.914+/-78.546 χ^2/NDF: 141.2/83

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1255.069+/-0.328 χ^2/NDF: 1046773.2/19

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

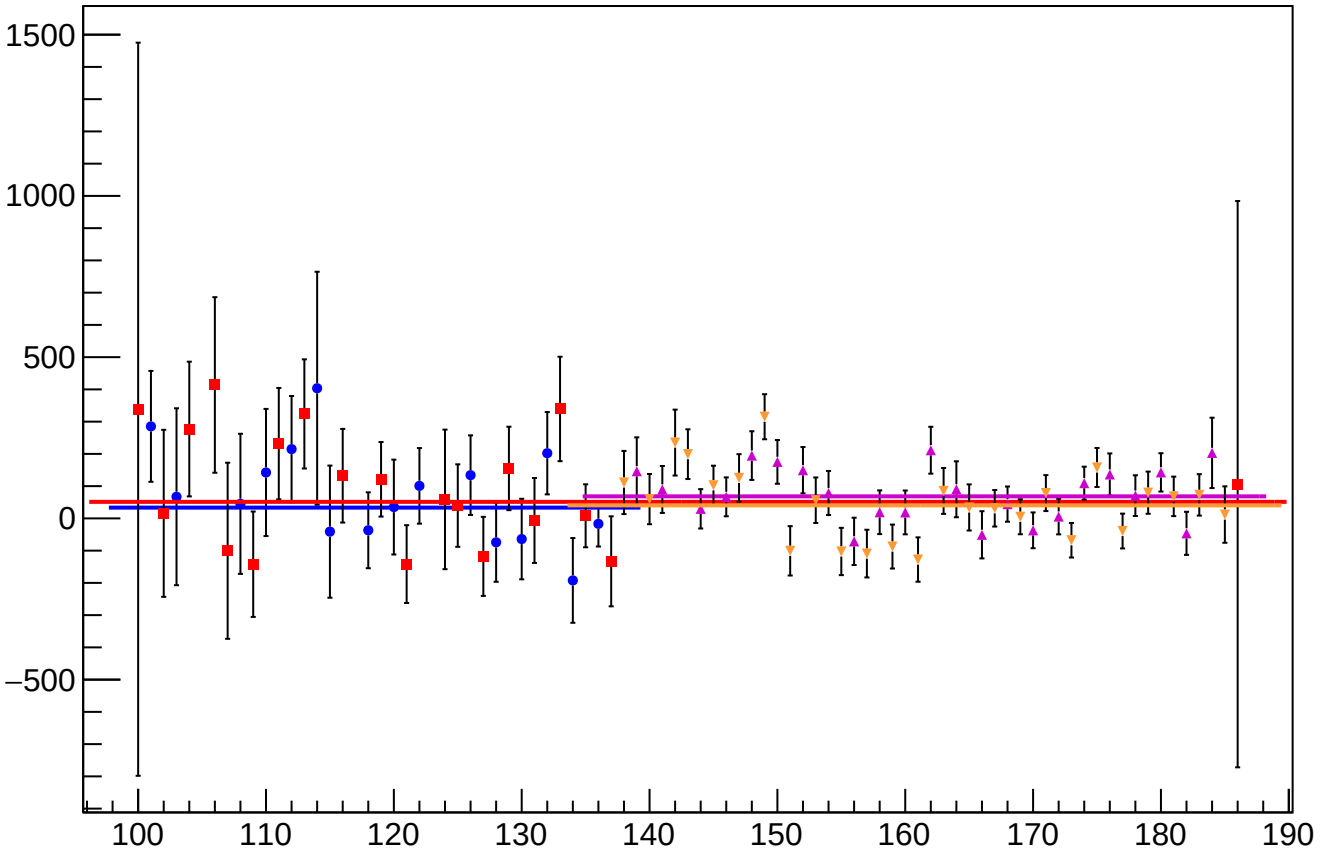
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1190.812+/-0.226 χ^2/NDF: 2244110.8/35

In: 520.303+/-0.079 χ^2/NDF:7464131.7/38

Out: 523.963+/-0.078 χ^2/NDF:8901595.5/44

All: 522.162+/-0.056 χ^2/NDF: 16366812.8/83



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

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

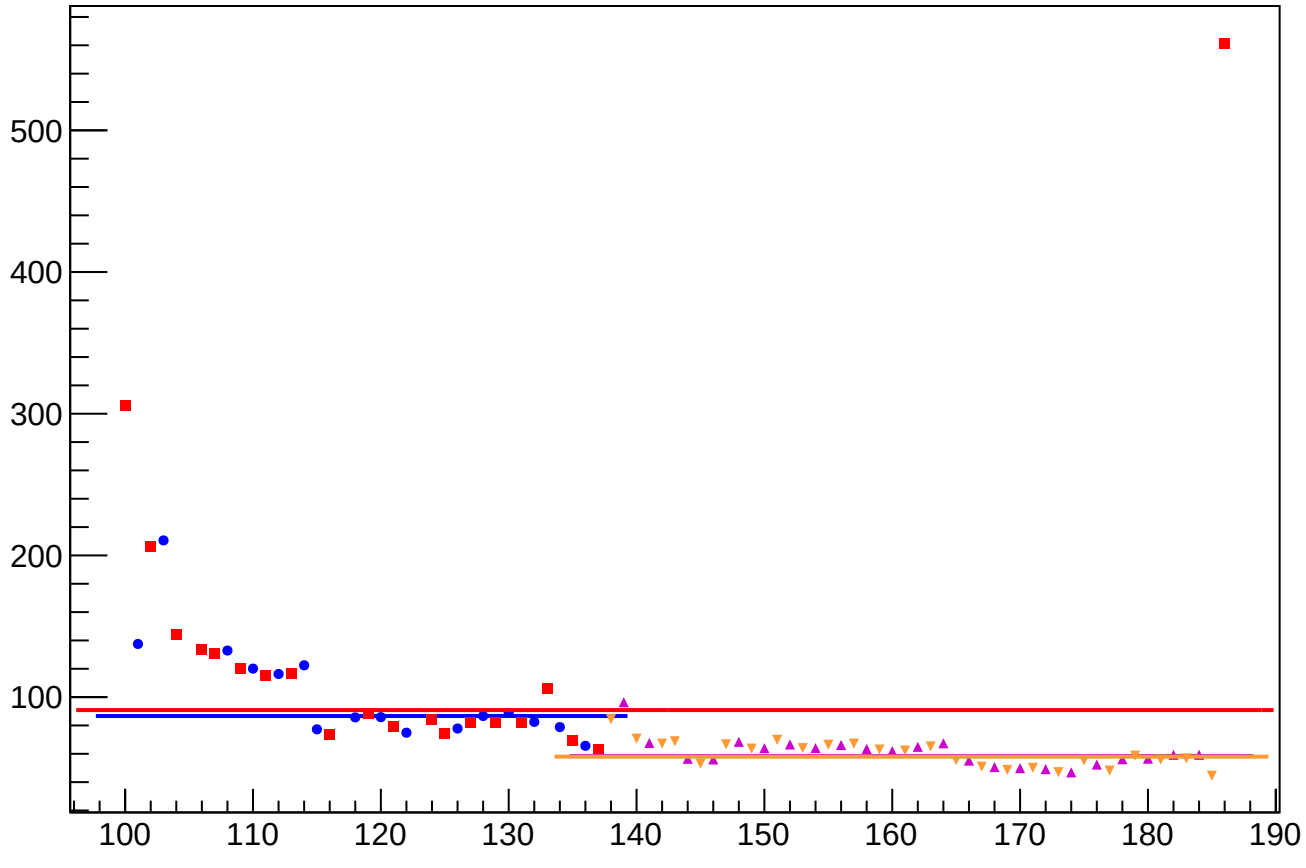
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 42.103+/-24.284 χ^2/NDF: 32.5/35

In: 63.333+/-12.833 χ^2/NDF:45.5/38

Out: 41.754+/-12.508 χ^2/NDF:79.0/44

All: 52.267+/-8.957 χ^2/NDF: 125.9/83



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

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

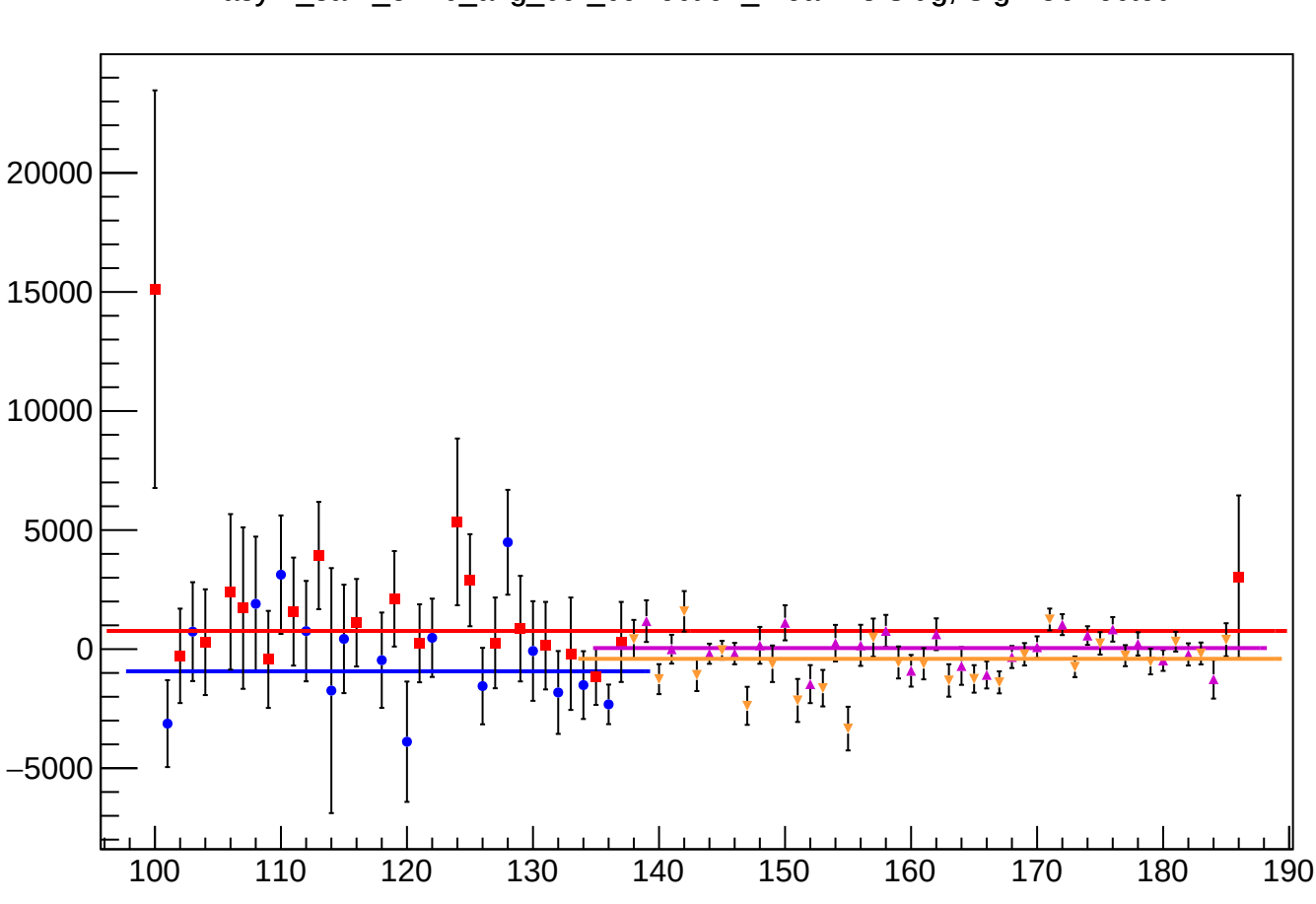
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 88.704+/-0.017 χ^2/NDF: 2773853.4/35

In: 62.452+/-0.009 χ^2/NDF:2966650.2/38

Out: 62.234+/-0.009 χ^2/NDF:4078857.8/44

All: 62.341+/-0.006 χ^2/NDF: 7045804.3/83



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

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

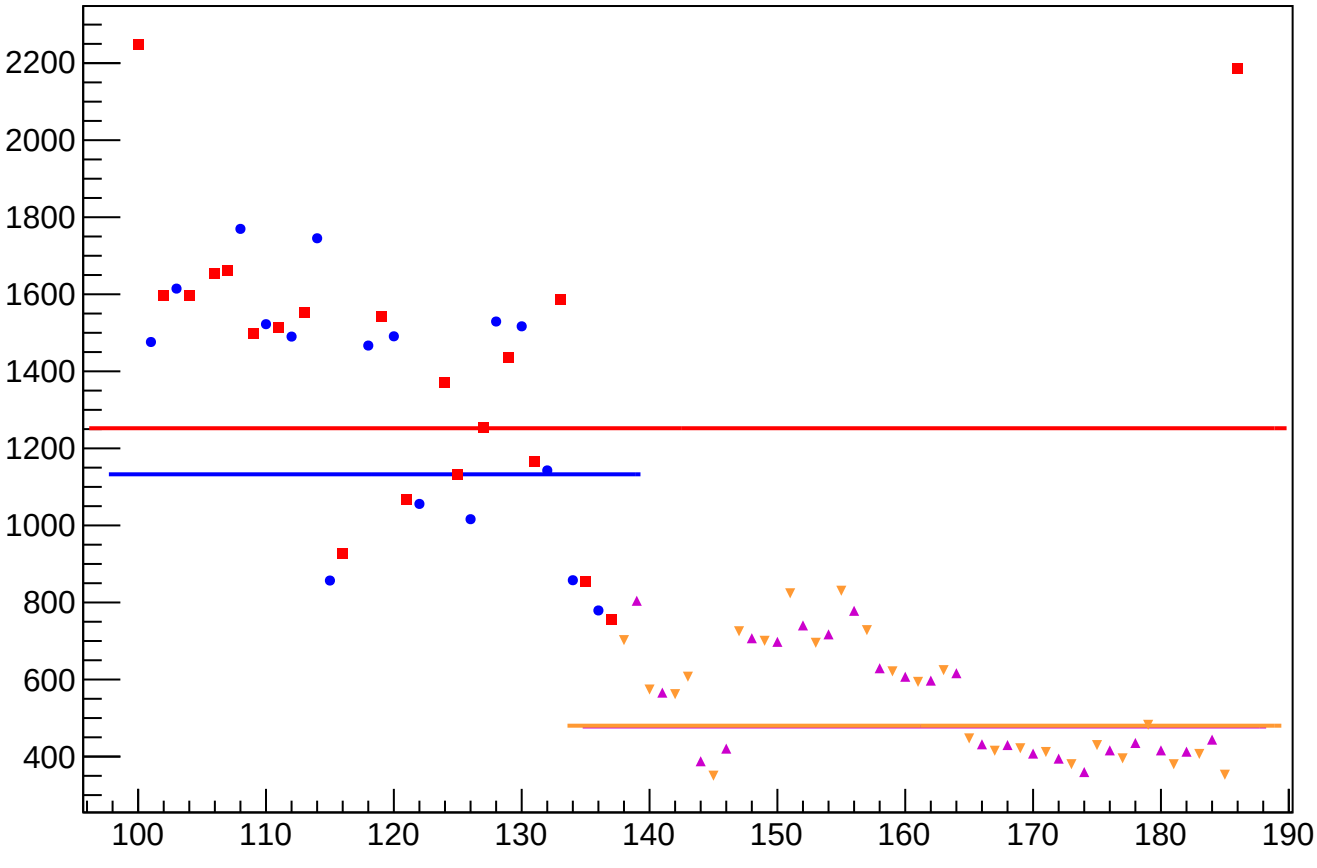
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -126.723+/-319.678 χ^2/NDF: 38.5/35

In: -18.029+/-111.970 χ^2/NDF:54.2/38

Out: -340.365+/-110.222 χ^2/NDF:82.2/44

All: -181.732+/-78.549 χ^2/NDF: 140.5/83


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
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1200
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400
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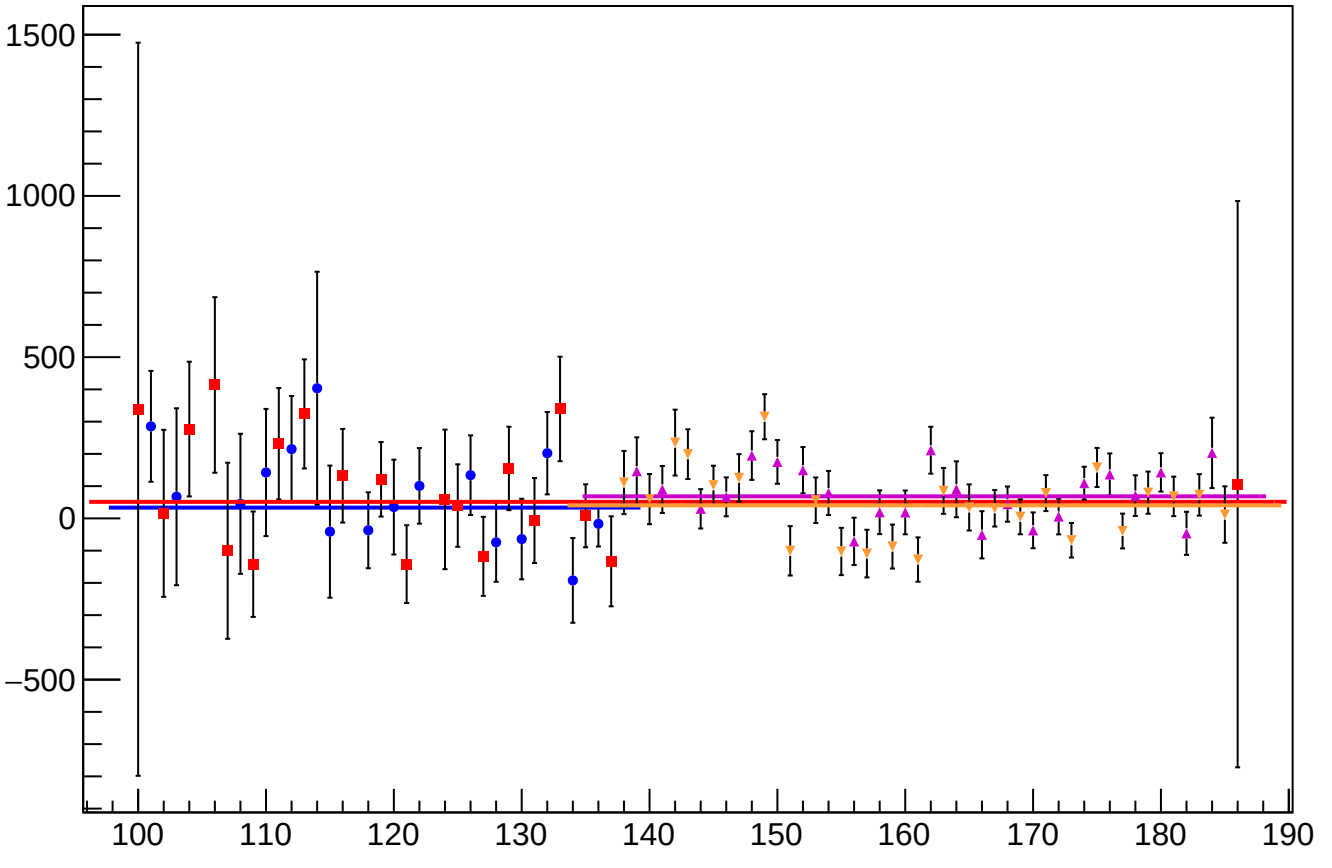
170
180
190
Right In: 1132.689+/-0.312 χ²/NDF: 1124187.2/15
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1252.287+/-0.328 χ²/NDF: 1028644.5/19
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1189.411+/-0.226 χ²/NDF: 2222628.3/35
In: 520.303+/-0.079 χ²/NDF:7464158.9/38
Out: 523.696+/-0.078 χ²/NDF:8832481.0/44
All: 522.026+/-0.056 χ²/NDF: 16297572.7/83


eigen_cor_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1500
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−500
100
110
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130
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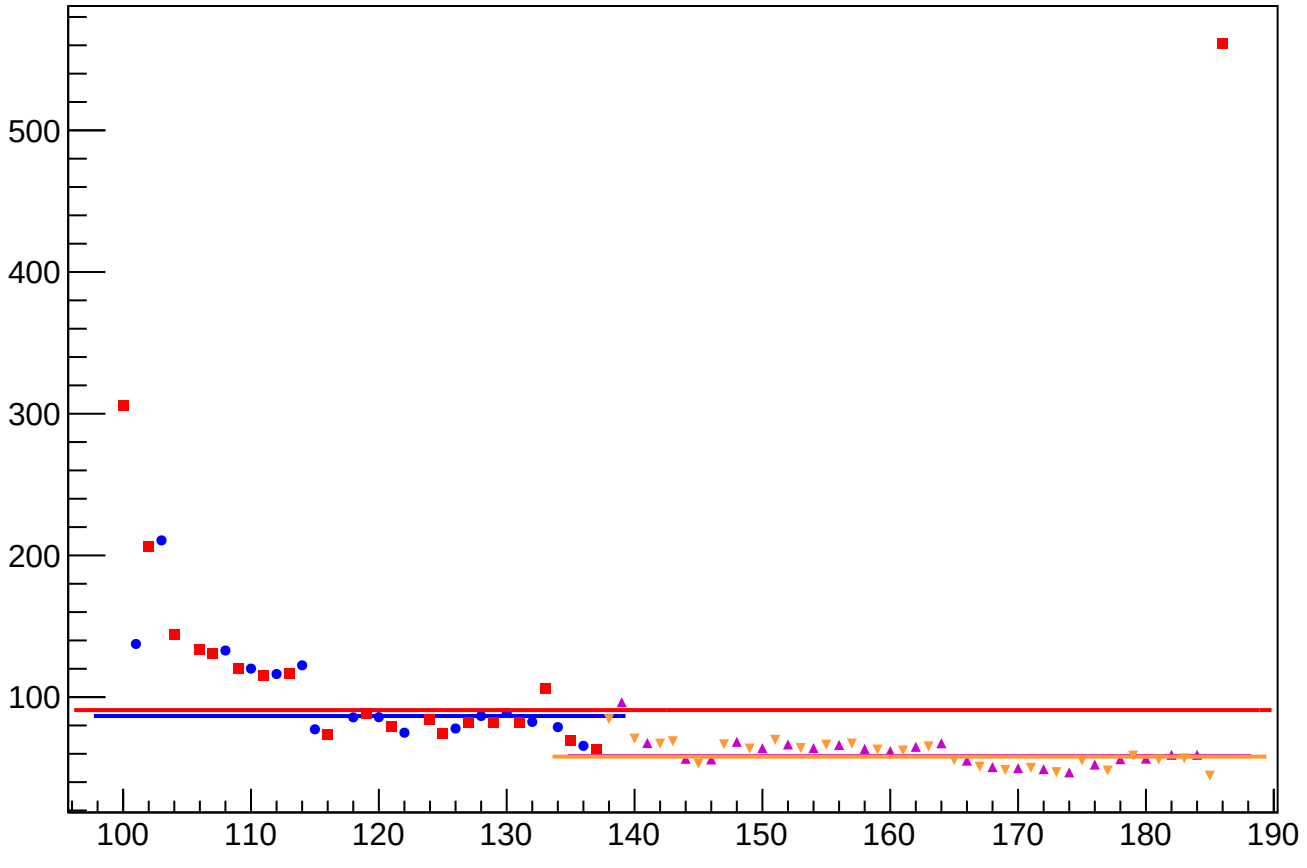
170
180
190
Right In: 33.422+/-33.881 χ²/NDF: 12.8/15
Left Out: 40.344+/-13.402 χ²/NDF:59.4/24
Right Out: 51.274+/-34.826 χ²/NDF: 19.5/19
Left In: 68.343+/-13.866 χ²/NDF:31.7/22
Left: 53.867+/-9.637 χ²/NDF: 93.3/47
Right: 42.103+/-24.284 χ²/NDF: 32.5/35
In: 63.333+/-12.833 χ²/NDF:45.5/38
Out: 41.754+/-12.508 χ²/NDF:79.0/44
All: 52.267+/-8.957 χ²/NDF: 125.9/83



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

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

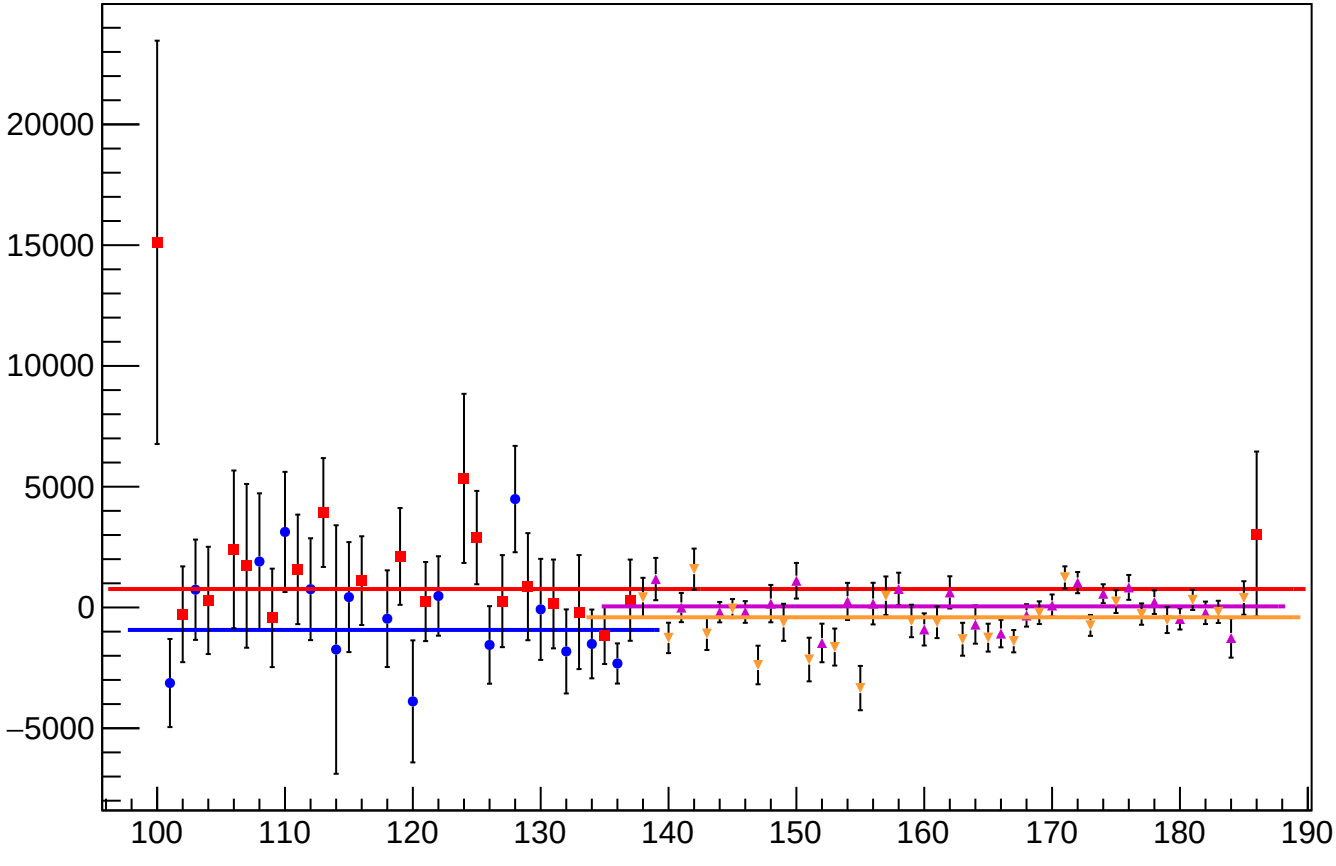
Right: 88.704+/-0.017 χ^2/NDF: 2773853.4/35

In: 62.452+/-0.009 χ^2/NDF:2966650.2/38

Out: 62.234+/-0.009 χ^2/NDF:4078857.8/44

All: 62.341+/-0.006 χ^2/NDF: 7045804.3/83

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -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

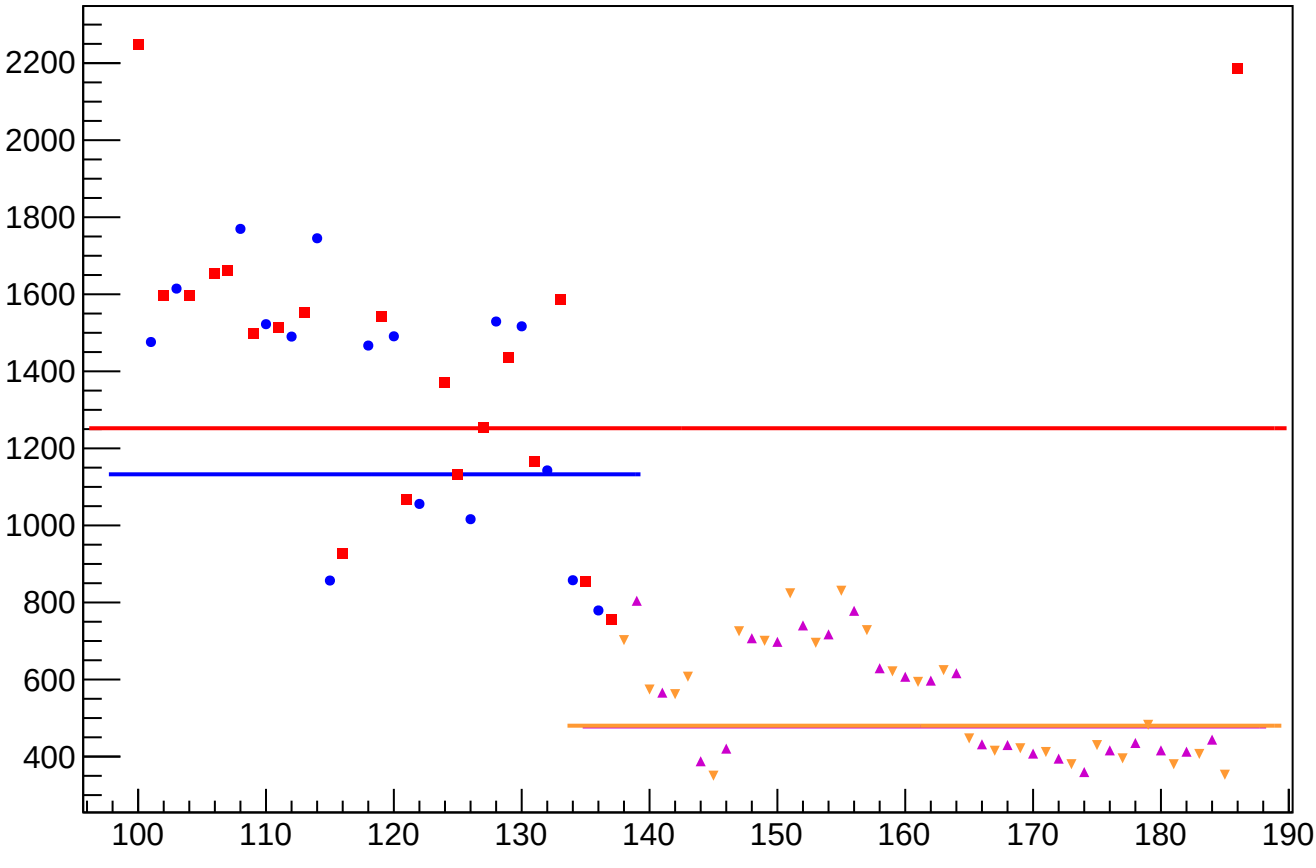
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -126.723+/-319.678 χ^2/NDF: 38.5/35

In: -18.029+/-111.970 χ^2/NDF:54.2/38

Out: -340.365+/-110.222 χ^2/NDF:82.2/44

All: -181.732+/-78.549 χ^2/NDF: 140.5/83


asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
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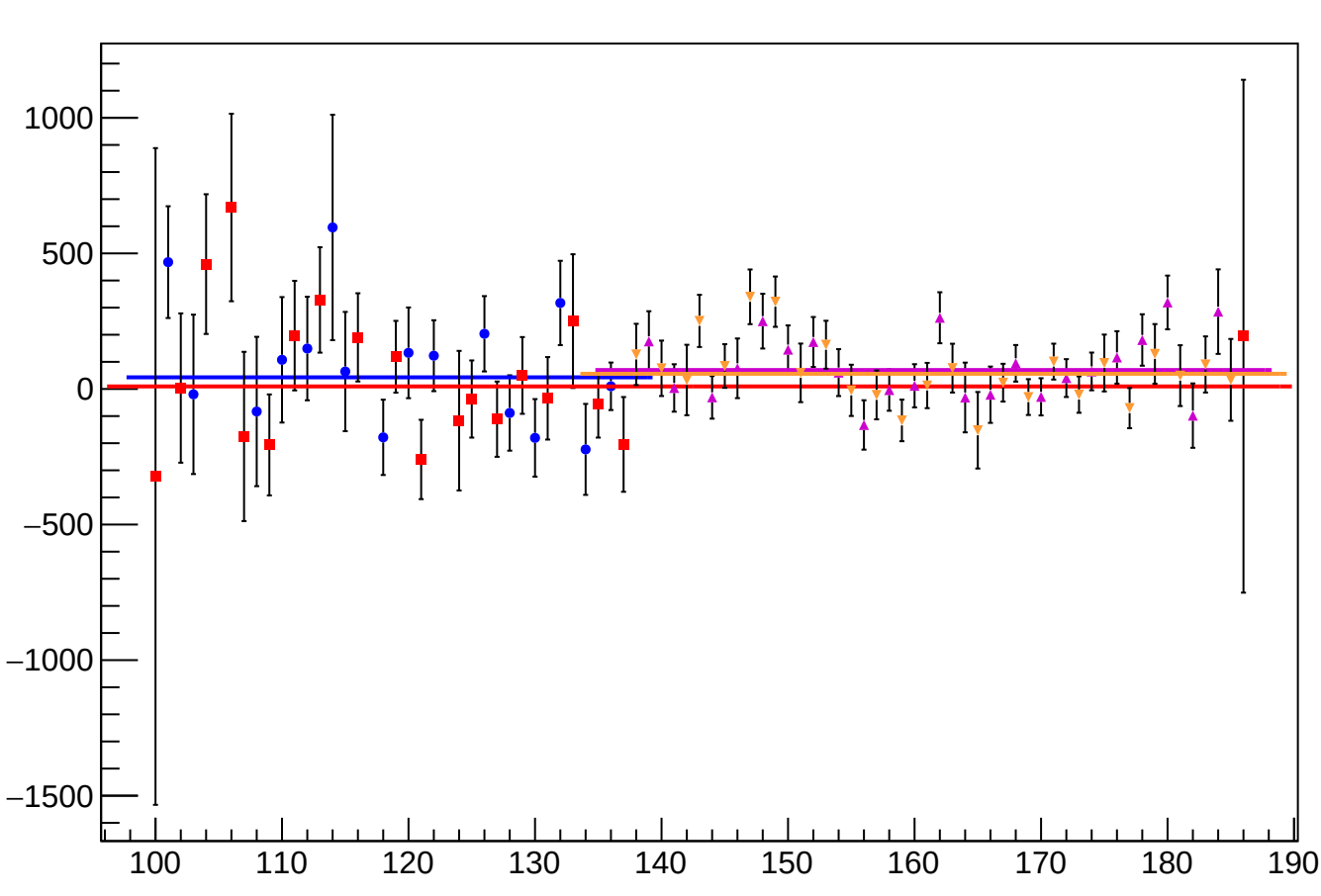
190
Right In: 1132.689+/-0.312 χ²/NDF: 1124187.2/15
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1252.287+/-0.328 χ²/NDF: 1028644.5/19
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1189.411+/-0.226 χ²/NDF: 2222628.3/35
In: 520.303+/-0.079 χ²/NDF:7464158.9/38
Out: 523.696+/-0.078 χ²/NDF:8832481.0/44
All: 522.026+/-0.056 χ²/NDF: 16297572.7/83



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

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

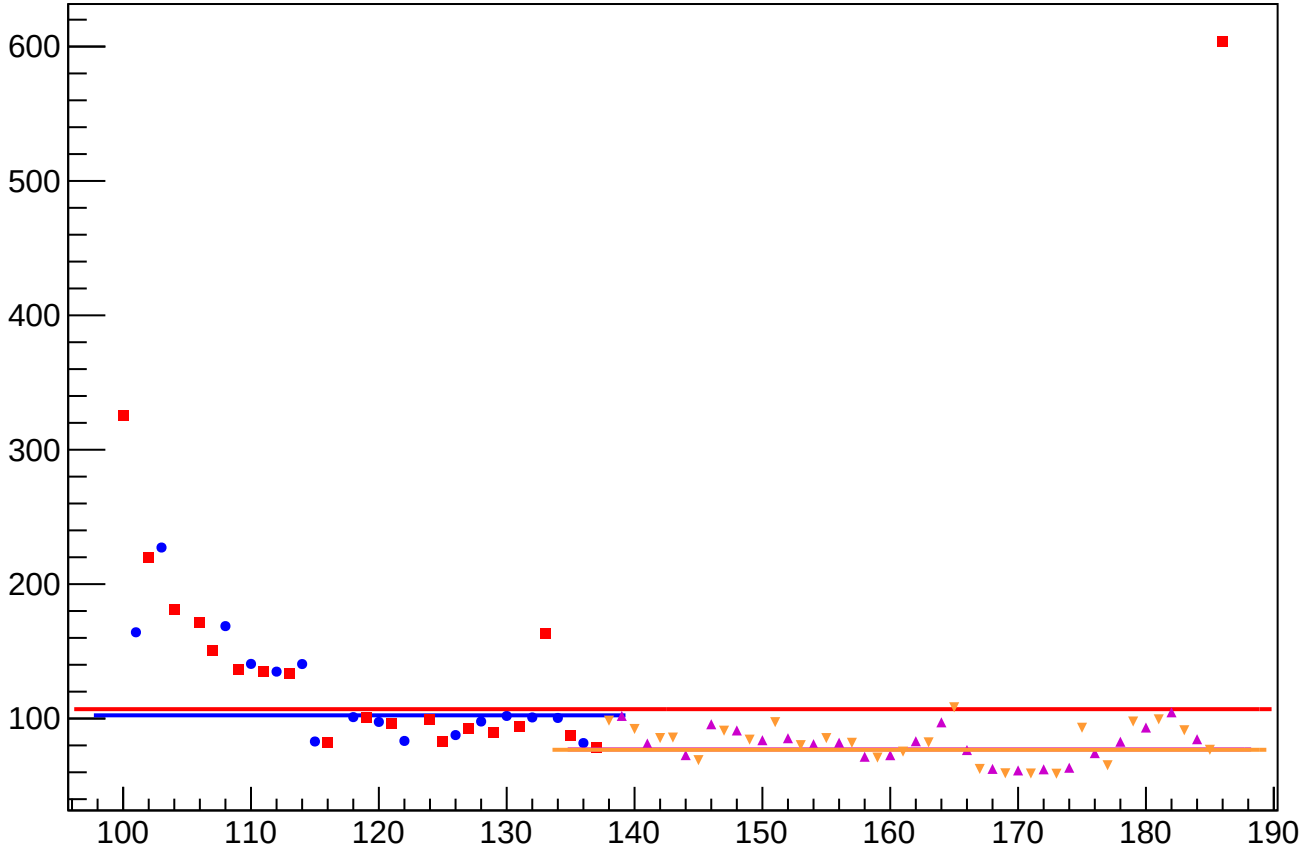
Right: 26.571+/-28.619 χ^2/NDF: 42.0/35

In: 65.090+/-16.785 χ^2/NDF:55.2/38

Out: 48.459+/-16.444 χ^2/NDF:60.8/44

All: 56.604+/-11.746 χ^2/NDF: 116.5/83

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

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

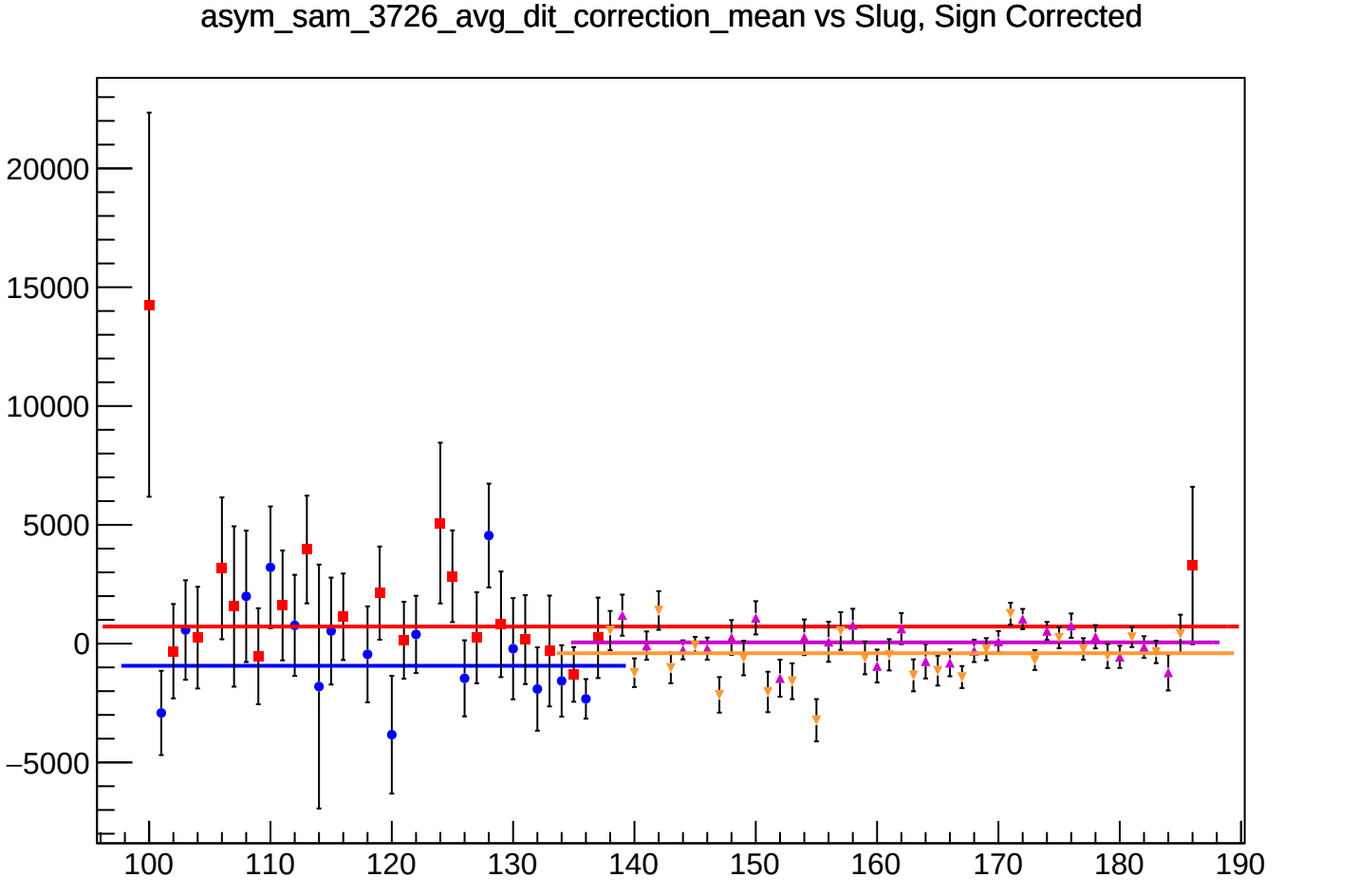
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 104.613+/-0.020 χ^2/NDF: 2739288.4/35

In: 81.495+/-0.012 χ^2/NDF:2504925.8/38

Out: 81.601+/-0.012 χ^2/NDF:3890073.6/44

All: 81.549+/-0.008 χ^2/NDF: 6395039.7/83



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

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

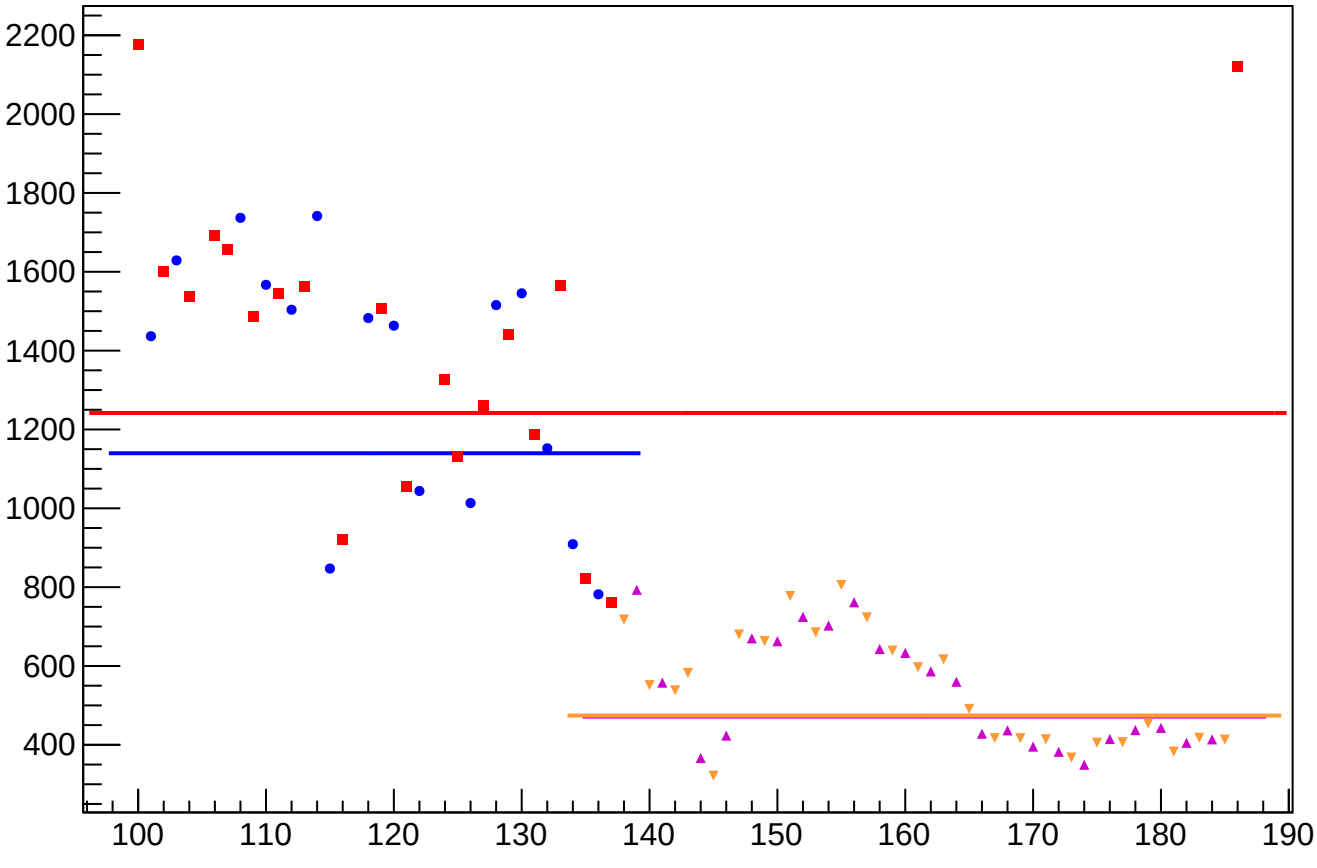
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -136.132+/-318.568 χ^2/NDF: 39.3/35

In: -7.380+/-110.602 χ^2/NDF:53.8/38

Out: -340.491+/-108.596 χ^2/NDF:80.5/44

All: -176.983+/-77.488 χ^2/NDF: 138.9/83


asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected
2200
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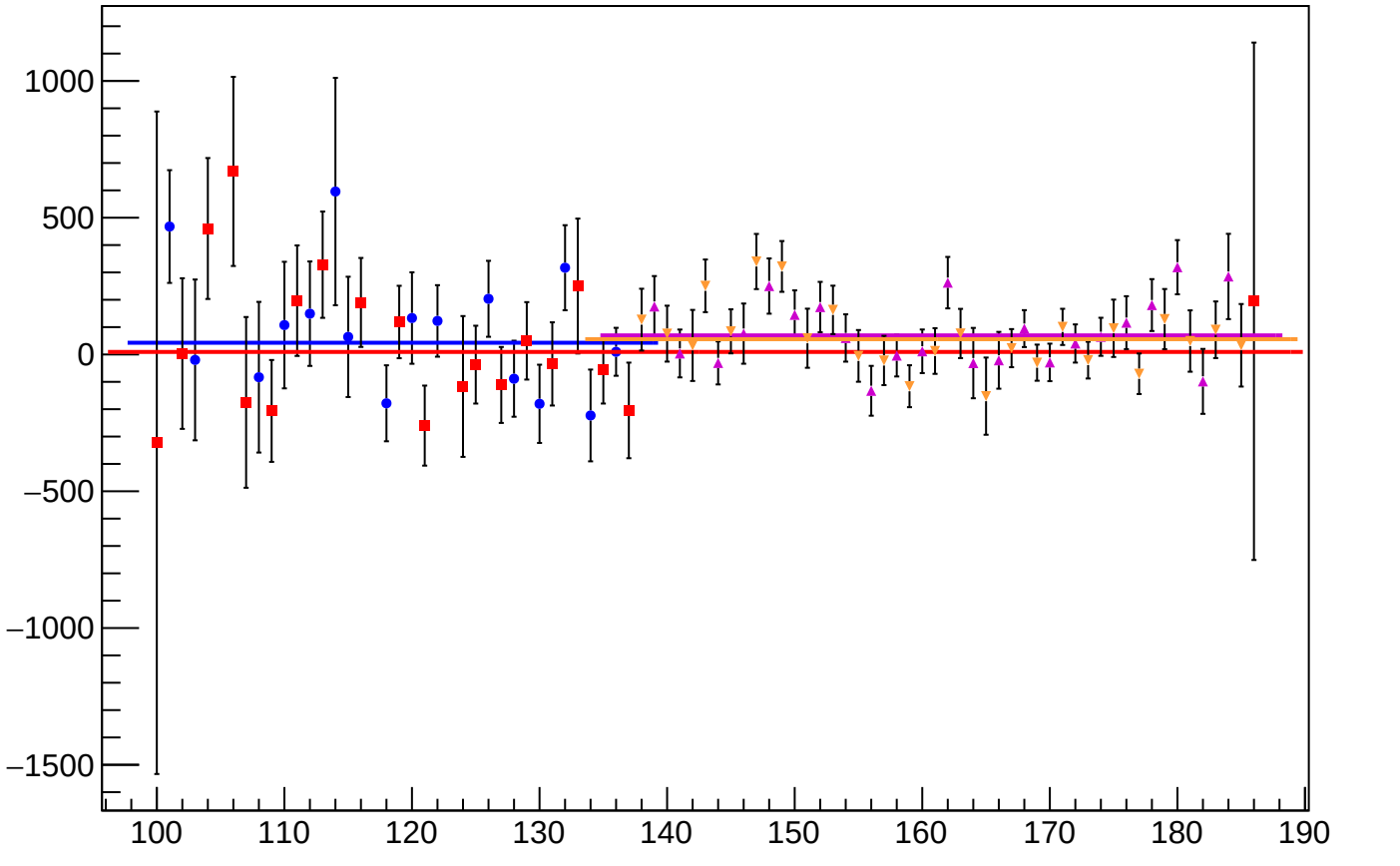
120
130
140
150
160
170
180
190
Right In: 1139.658+/-0.313 χ²/NDF: 1093410.3/15
Left Out: 474.294+/-0.079 χ²/NDF:2538995.4/24
Right Out: 1241.823+/-0.324 χ²/NDF: 1065919.5/19
Left In: 471.456+/-0.081 χ²/NDF:2209343.4/22
Left: 472.906+/-0.056 χ²/NDF: 4748969.5/47
Right: 1188.925+/-0.225 χ²/NDF: 2210690.2/35
In: 513.158+/-0.078 χ²/NDF:7574356.7/38
Out: 517.305+/-0.077 χ²/NDF:8889672.9/44
All: 515.269+/-0.055 χ²/NDF: 16465460.5/83



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

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

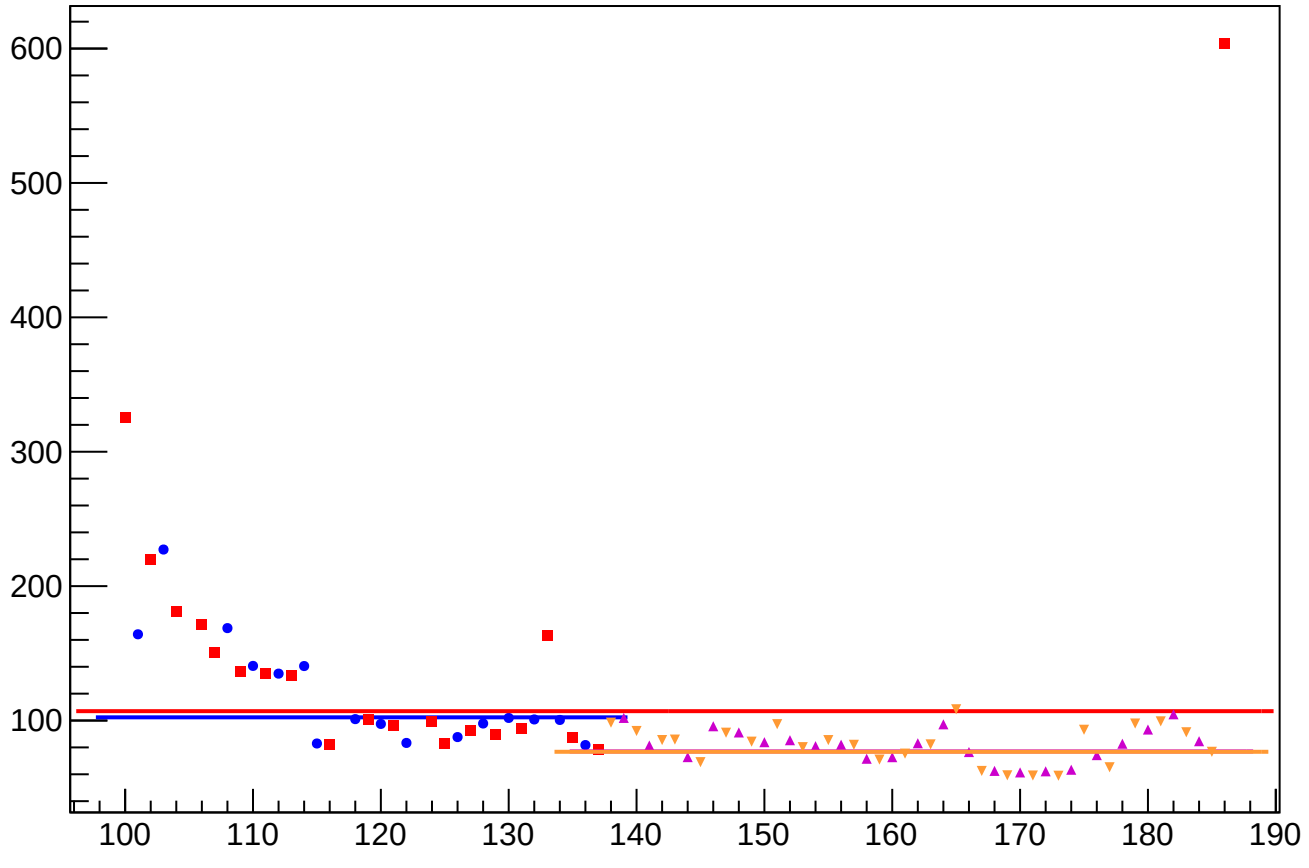
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.570+/-28.619 χ^2/NDF: 42.0/35

In: 65.089+/-16.785 χ^2/NDF:55.2/38

Out: 48.457+/-16.444 χ^2/NDF:60.8/44

All: 56.603+/-11.746 χ^2/NDF: 116.5/83



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

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

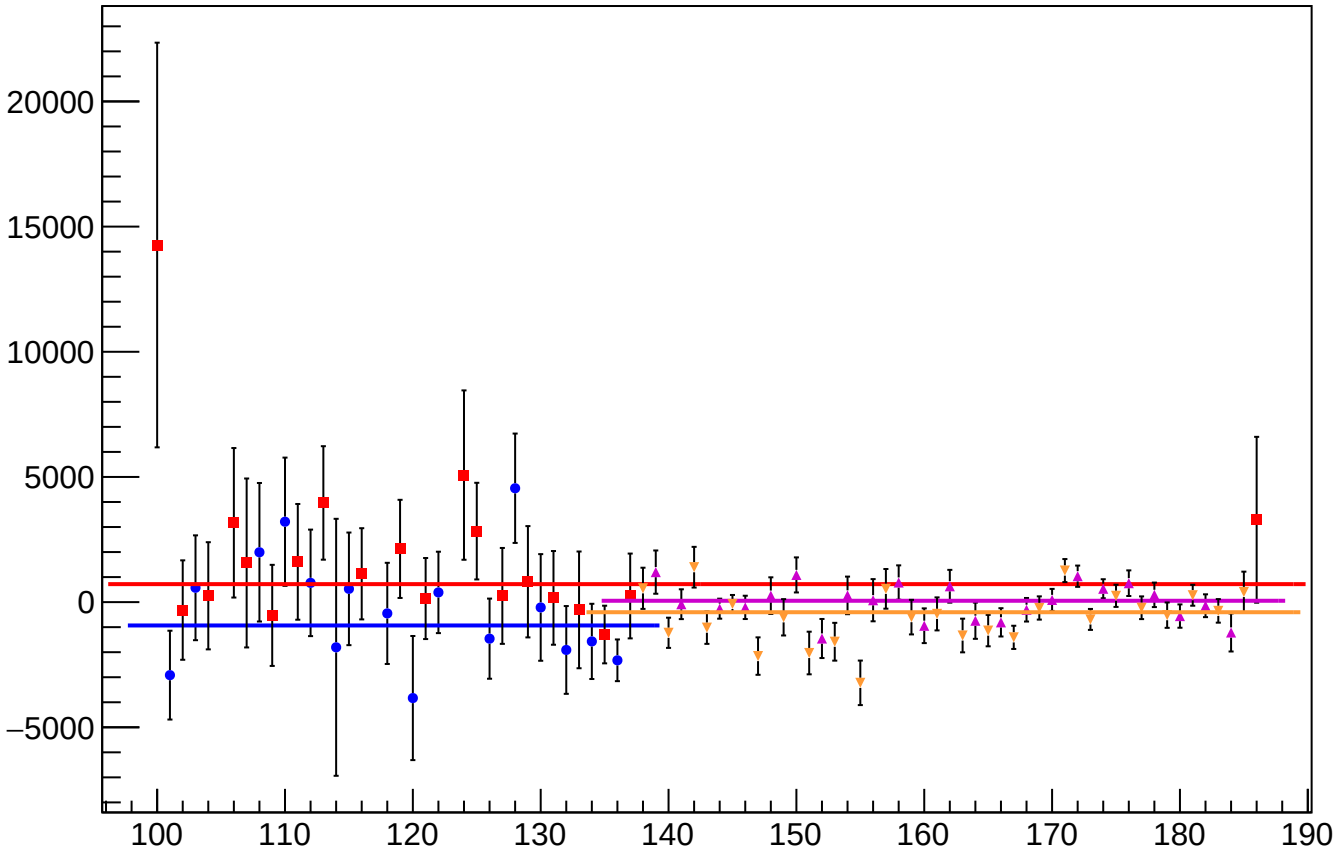
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 104.613+/-0.020 χ^2/NDF: 2739287.6/35

In: 81.495+/-0.012 χ^2/NDF:2504887.3/38

Out: 81.601+/-0.012 χ^2/NDF:3890054.1/44

All: 81.549+/-0.008 χ^2/NDF: 6394981.8/83



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

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

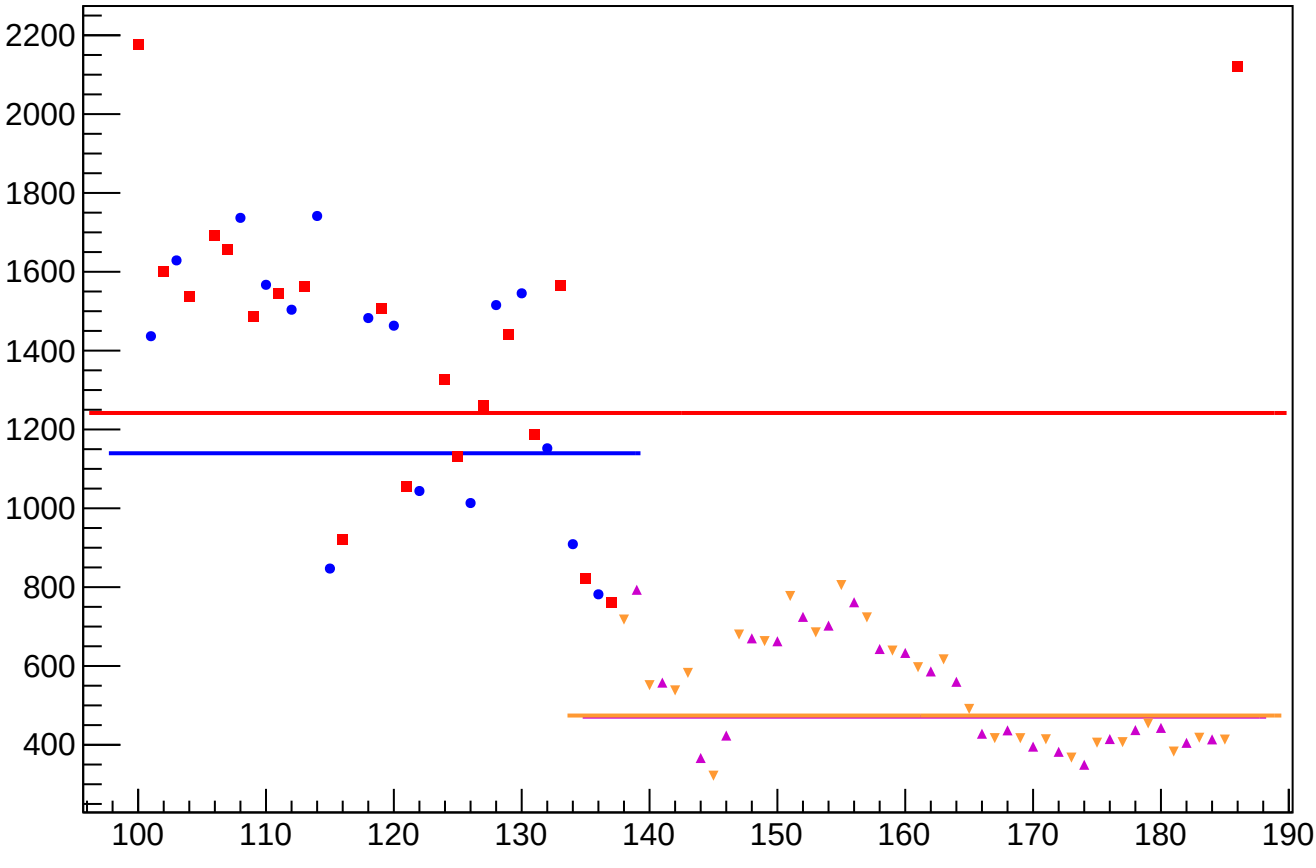
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -136.129+/-318.567 χ^2/NDF: 39.3/35

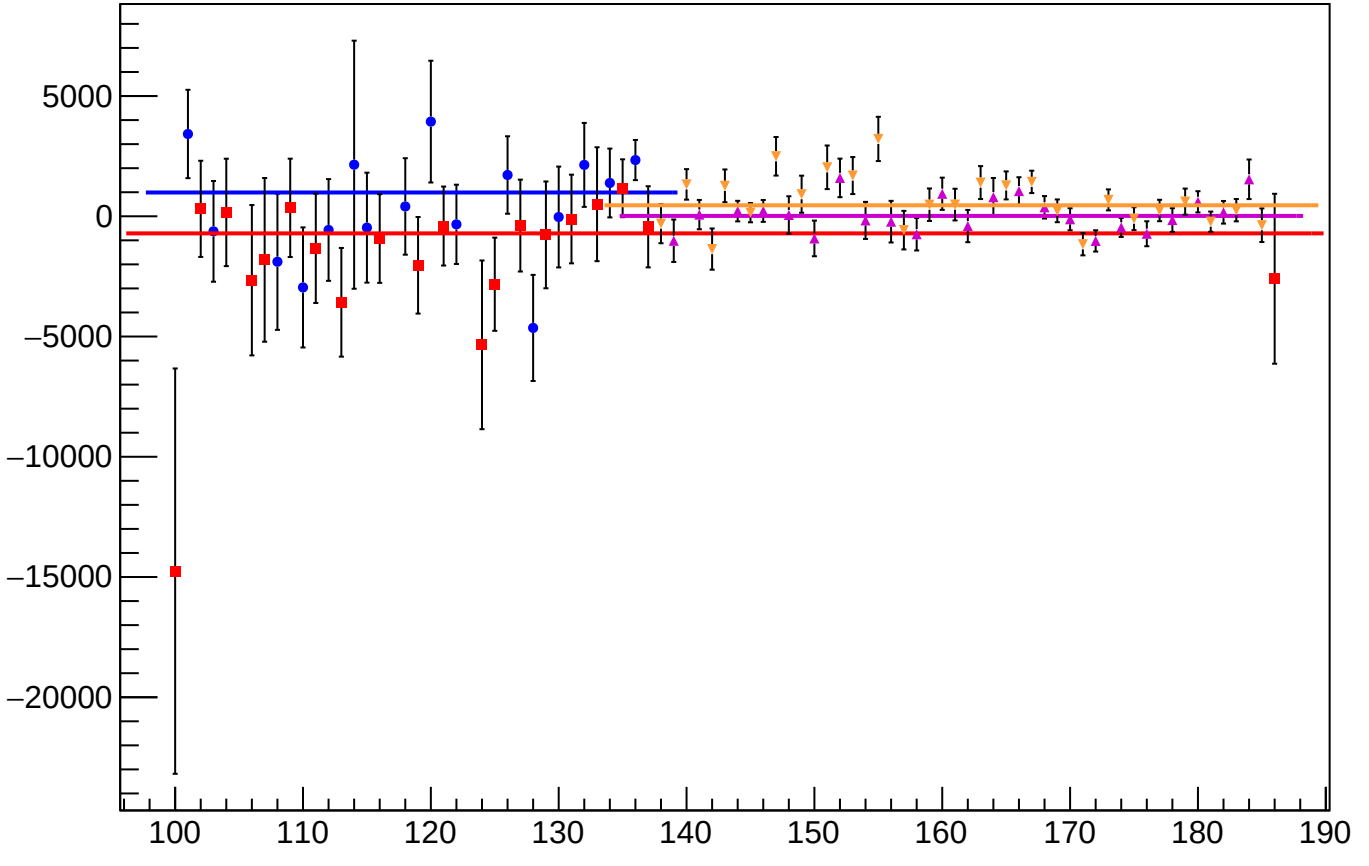
In: -7.380+/-110.601 χ^2/NDF:53.8/38

Out: -340.490+/-108.596 χ^2/NDF:80.5/44

All: -176.982+/-77.488 χ^2/NDF: 138.9/83


asym_sam_3726_avg_eigen_dit_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: 1139.656+/-0.313 χ²/NDF: 1093397.5/15
Left Out: 474.294+/-0.079 χ²/NDF:2538999.2/24
Right Out: 1241.821+/-0.324 χ²/NDF: 1065909.4/19
Left In: 471.456+/-0.081 χ²/NDF:2209338.4/22
Left: 472.905+/-0.056 χ²/NDF: 4748968.3/47
Right: 1188.923+/-0.225 χ²/NDF: 2210666.7/35
In: 513.158+/-0.078 χ²/NDF:7574338.1/38
Out: 517.304+/-0.077 χ²/NDF:8889664.5/44
All: 515.269+/-0.055 χ²/NDF: 16465433.4/83

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

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

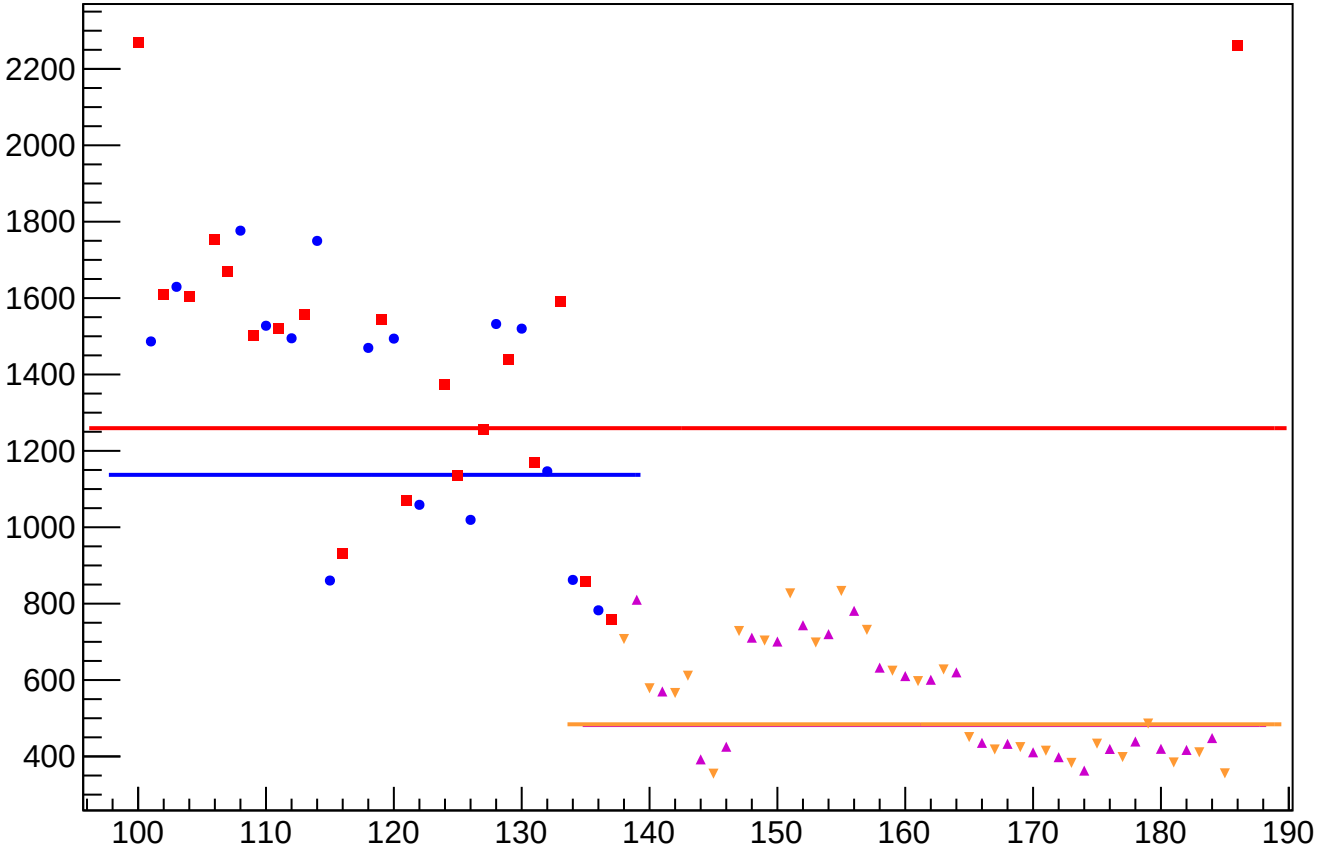
Right: 182.062+/-320.787 χ^2/NDF: 38.2/35

In: 78.409+/-112.845 χ^2/NDF:53.9/38

Out: 390.815+/-111.050 χ^2/NDF:77.5/44

All: 237.115+/-79.151 χ^2/NDF: 135.3/83

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

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

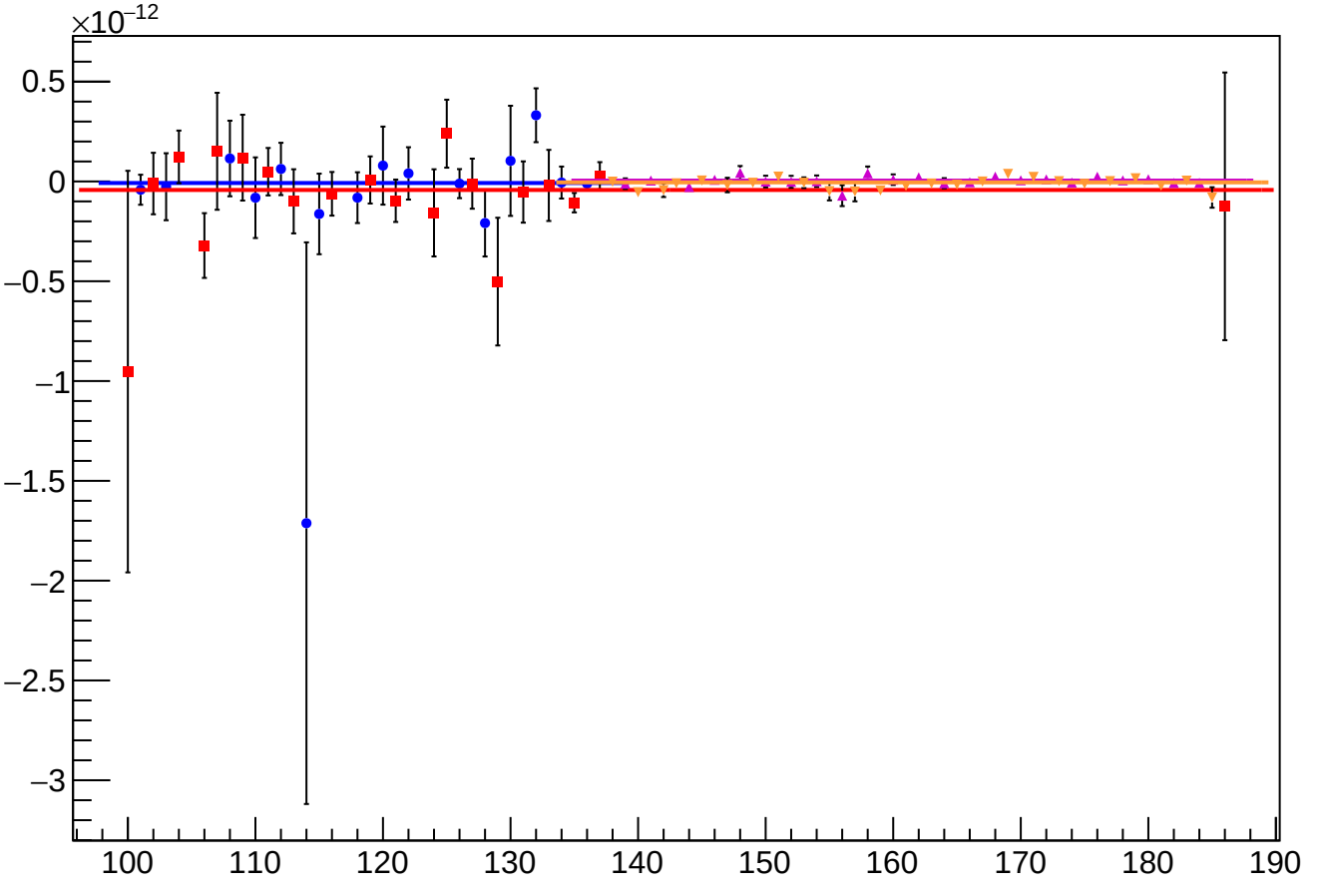
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1195.244+/-0.227 χ^2/NDF: 2259516.8/35

In: 524.735+/-0.080 χ^2/NDF:7405966.1/38

Out: 528.241+/-0.079 χ^2/NDF:8842972.7/44

All: 526.516+/-0.056 χ^2/NDF: 16249919.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

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

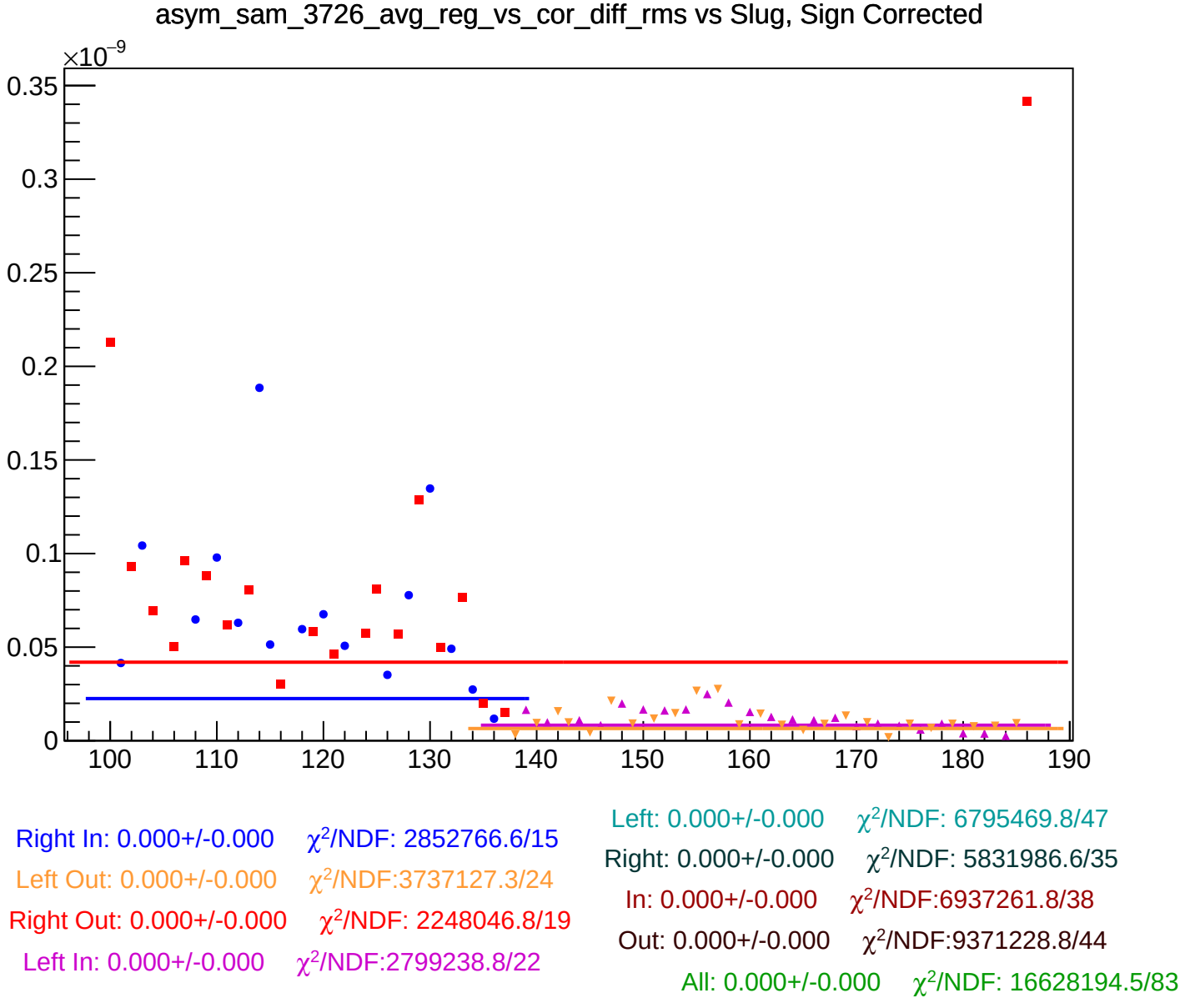
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

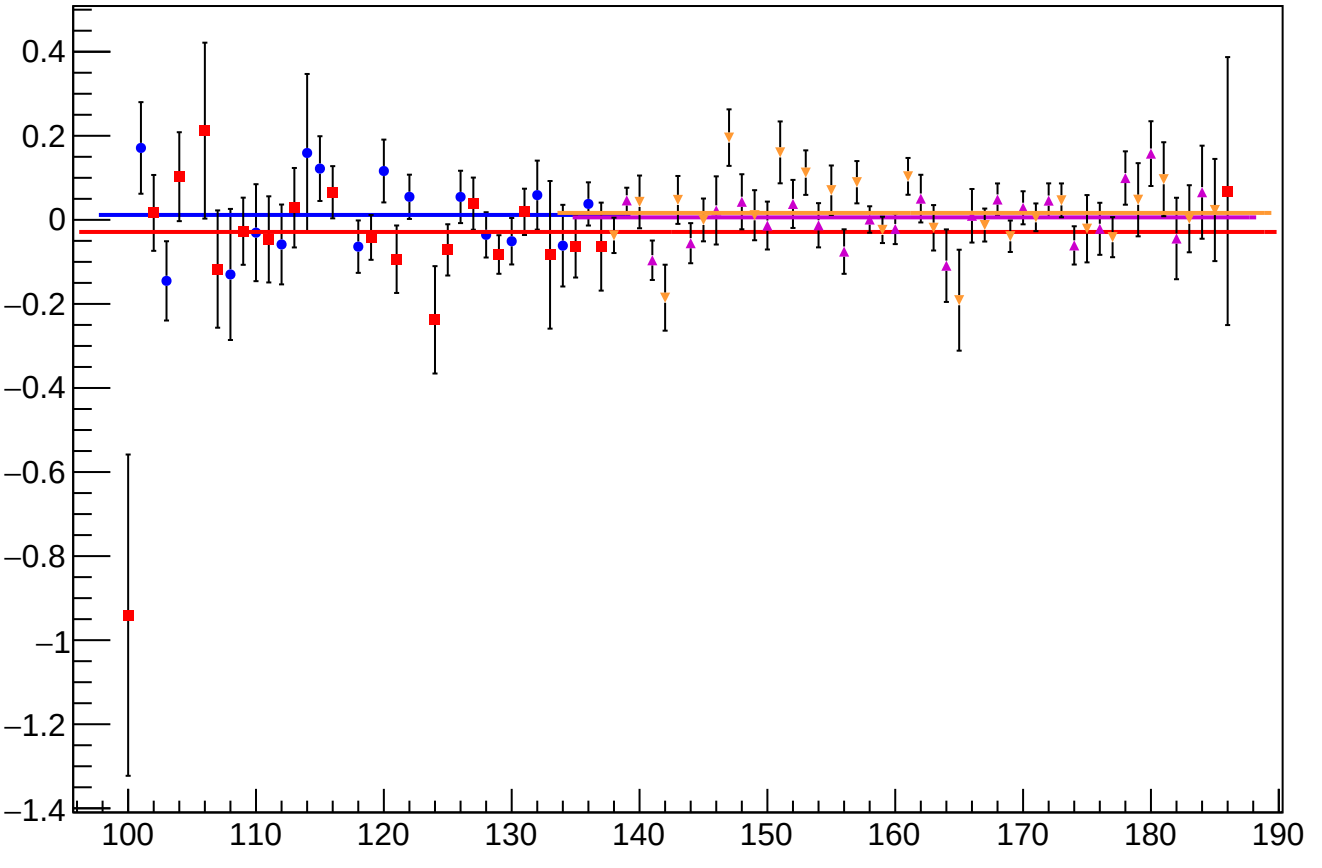
Right: -0.000+/-0.000 χ^2/NDF: 28.5/35

In: 0.000+/-0.000 χ^2/NDF:27.2/38

Out: -0.000+/-0.000 χ^2/NDF:48.5/44

All: -0.000+/-0.000 χ^2/NDF: 79.0/83


asym_sam_3726_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: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3737127.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2248046.8/19
Left In: 0.000+/-0.000 χ²/NDF:2799238.8/22
Left: 0.000+/-0.000 χ²/NDF: 6795469.8/47
Right: 0.000+/-0.000 χ²/NDF: 5831986.6/35
In: 0.000+/-0.000 χ²/NDF:6937261.8/38
Out: 0.000+/-0.000 χ²/NDF:9371228.8/44
All: 0.000+/-0.000 χ²/NDF: 16628194.5/83



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

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

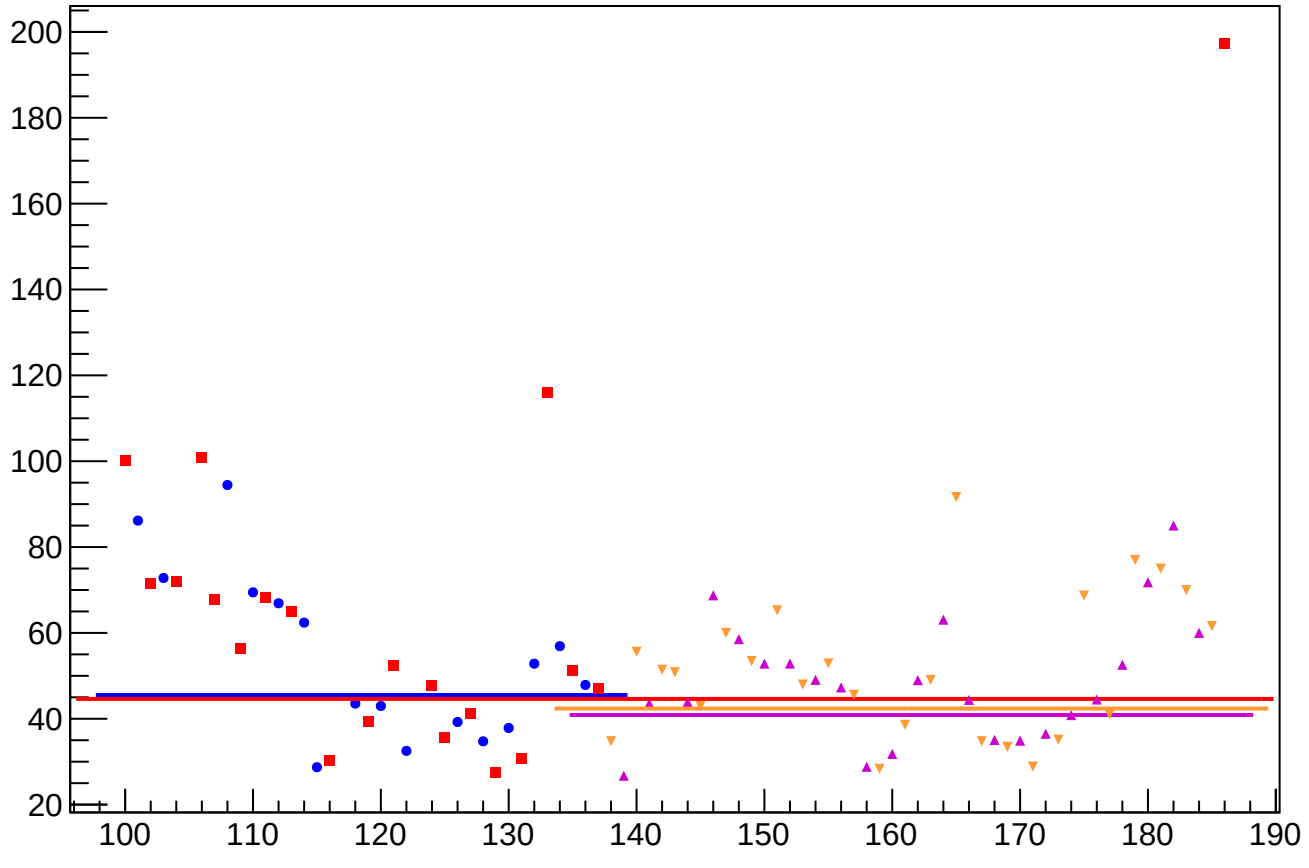
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.009+/-0.013 χ^2/NDF: 39.0/35

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 108.4/83



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

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

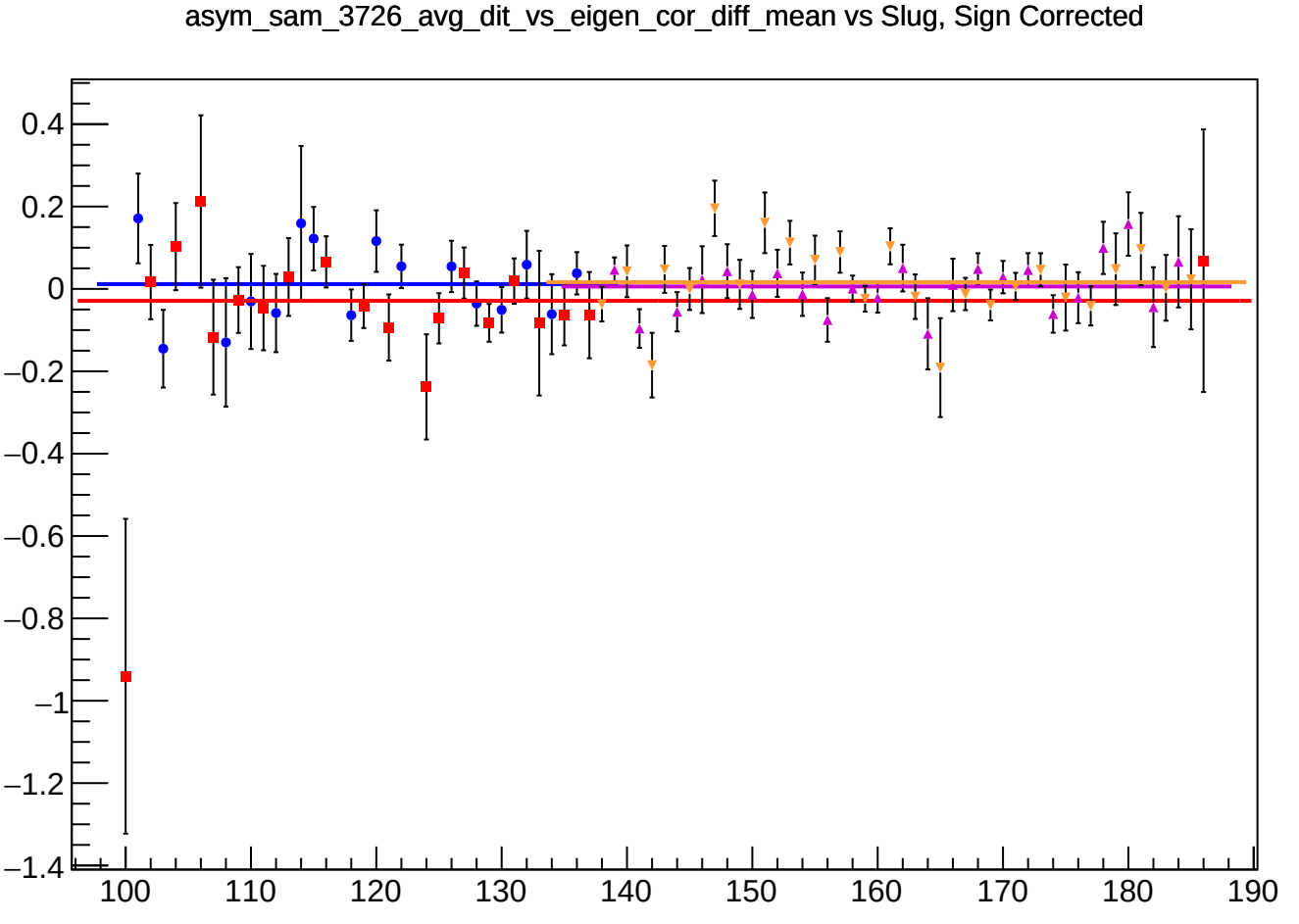
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.061+/-0.009 χ^2/NDF: 3459993.7/35

In: 41.993+/-0.006 χ^2/NDF:4030039.4/38

Out: 42.940+/-0.006 χ^2/NDF:5418203.3/44

All: 42.467+/-0.004 χ^2/NDF: 9459402.2/83



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

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

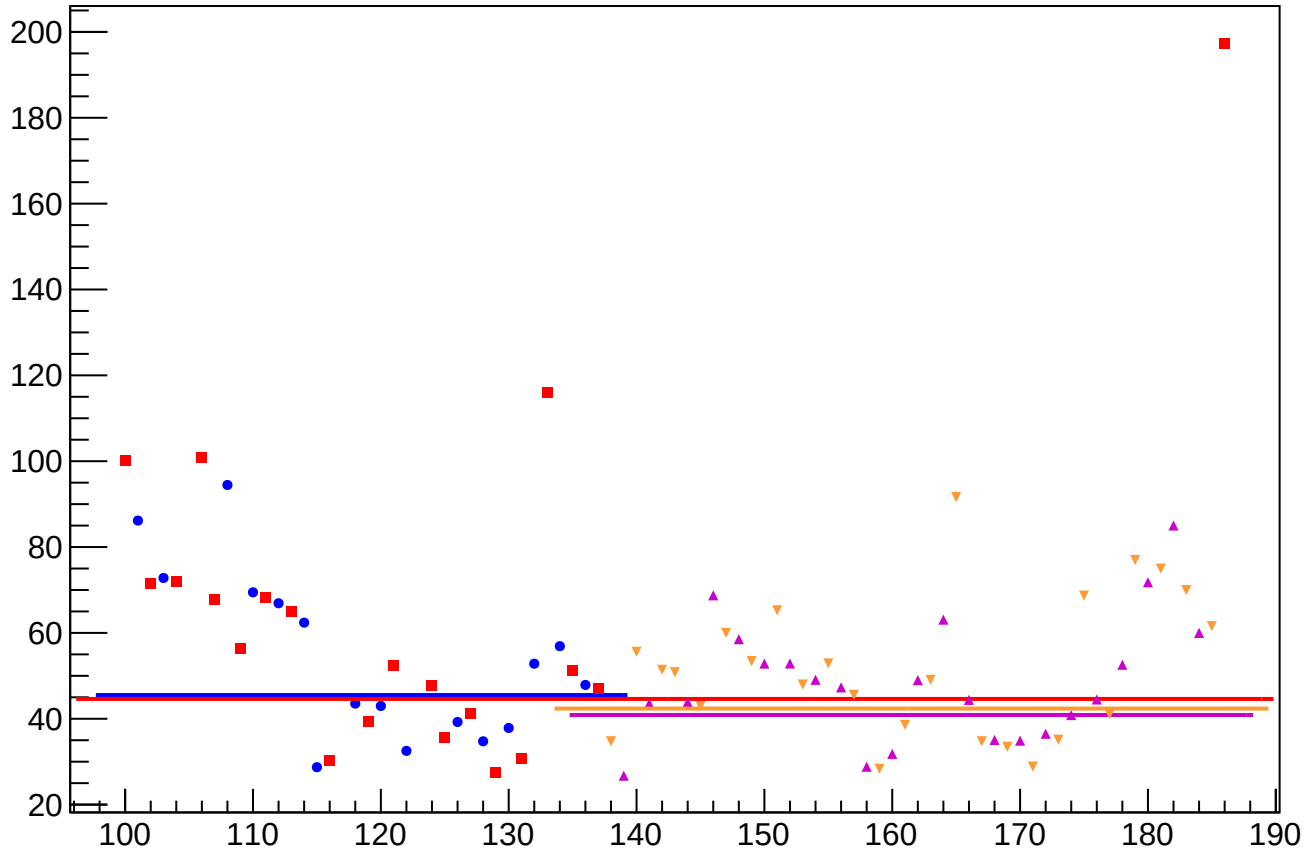
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.009+/-0.013 χ^2/NDF: 39.0/35

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 108.4/83



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

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

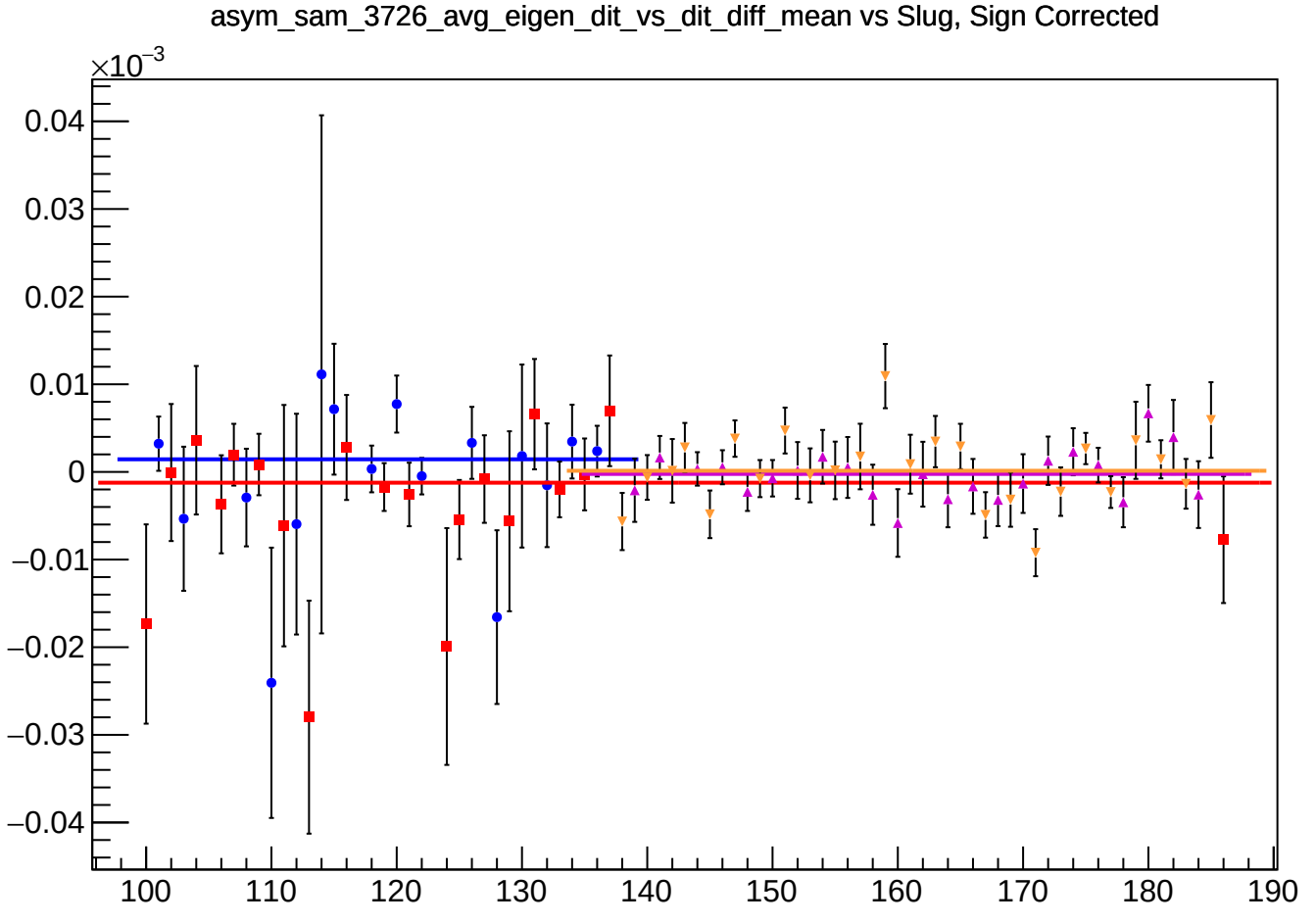
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.061+/-0.009 χ^2/NDF: 3459993.7/35

In: 41.993+/-0.006 χ^2/NDF:4030039.4/38

Out: 42.940+/-0.006 χ^2/NDF:5418203.3/44

All: 42.467+/-0.004 χ^2/NDF: 9459402.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

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

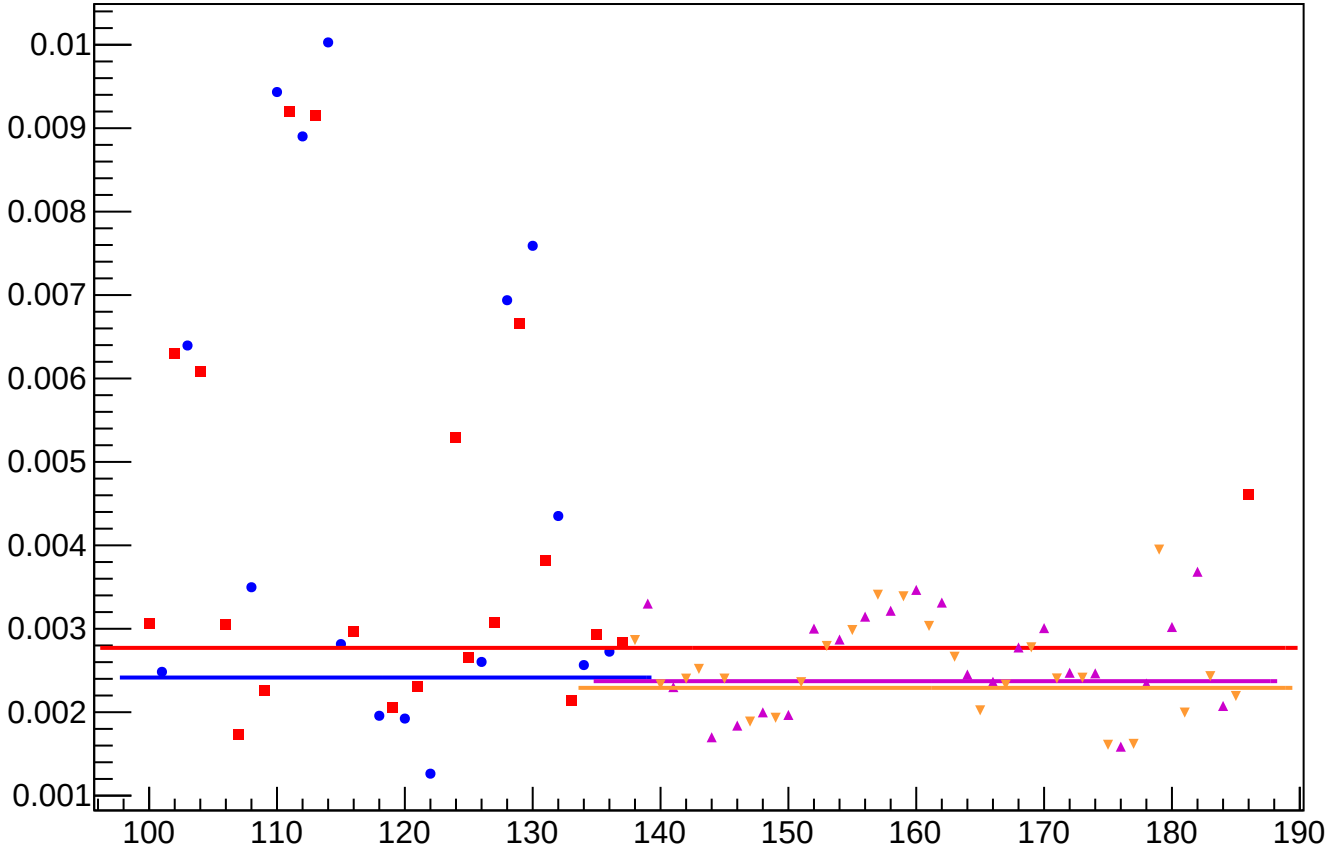
Right: 0.000+/-0.000 χ^2/NDF: 32.9/35

In: 0.000+/-0.000 χ^2/NDF:32.0/38

Out: -0.000+/-0.000 χ^2/NDF:66.8/44

All: 0.000+/-0.000 χ^2/NDF: 99.0/83

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF: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

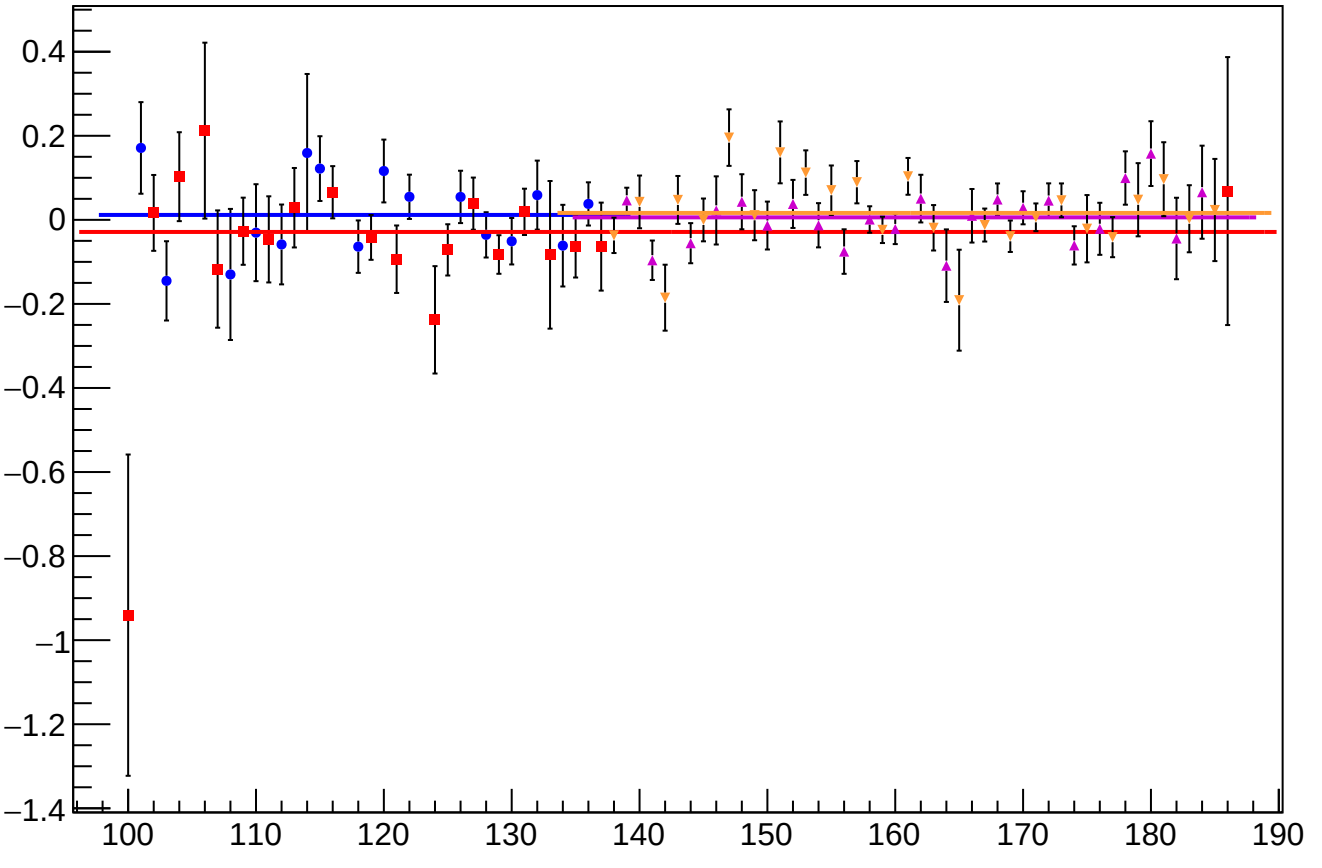
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6179230.1/35

In: 0.002+/-0.000 χ^2/NDF:5455102.0/38

Out: 0.002+/-0.000 χ^2/NDF:4759601.2/44

All: 0.002+/-0.000 χ^2/NDF: 10214704.4/83



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

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

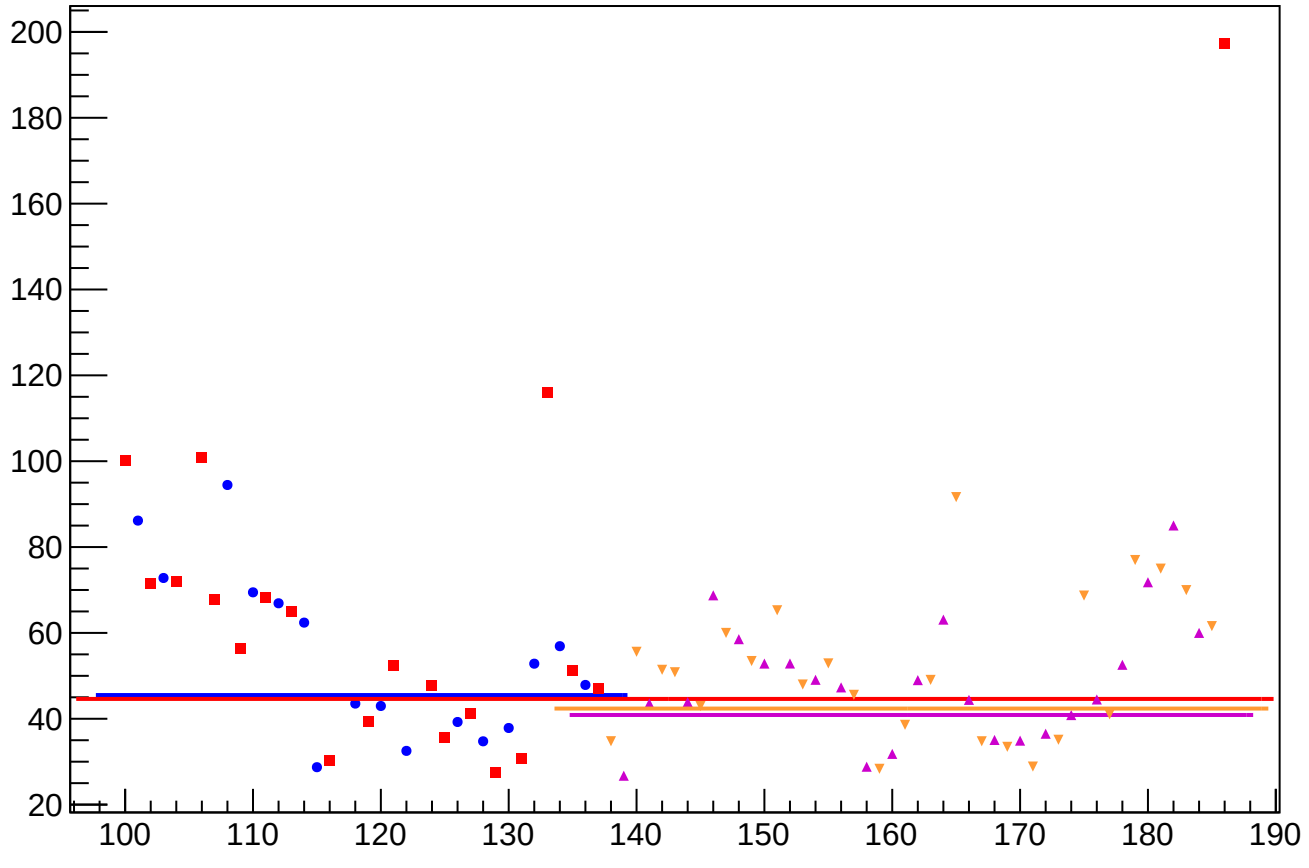
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.009+/-0.013 χ^2/NDF: 39.0/35

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 108.4/83



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

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

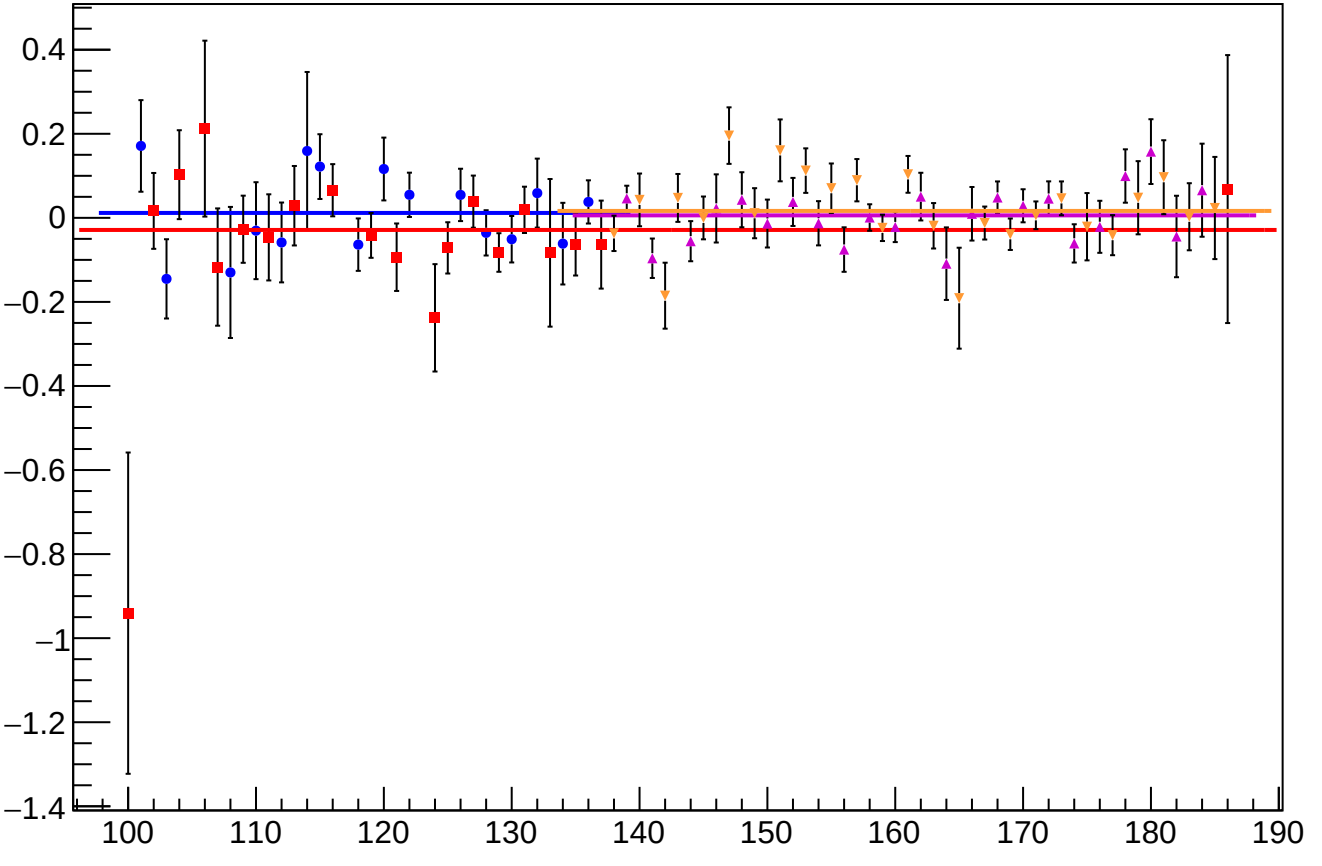
Right: 45.062+/-0.009 χ^2/NDF: 3459863.3/35

In: 41.994+/-0.006 χ^2/NDF:4029997.1/38

Out: 42.940+/-0.006 χ^2/NDF:5418149.3/44

All: 42.468+/-0.004 χ^2/NDF: 9459306.4/83

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-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

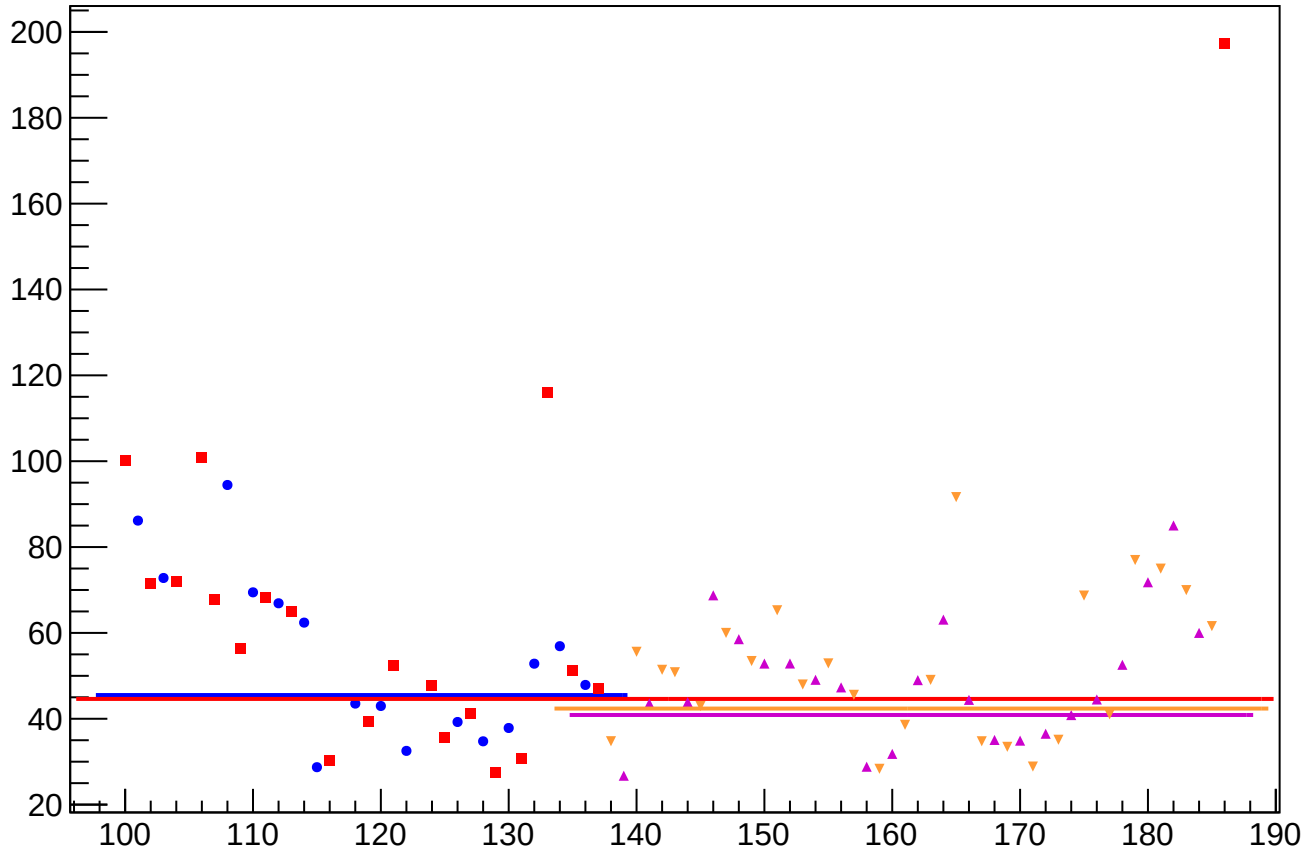
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.009+/-0.013 χ^2/NDF: 39.0/35

In: 0.007+/-0.009 χ^2/NDF:42.9/38

Out: 0.005+/-0.009 χ^2/NDF:65.5/44

All: 0.006+/-0.006 χ^2/NDF: 108.4/83



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

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

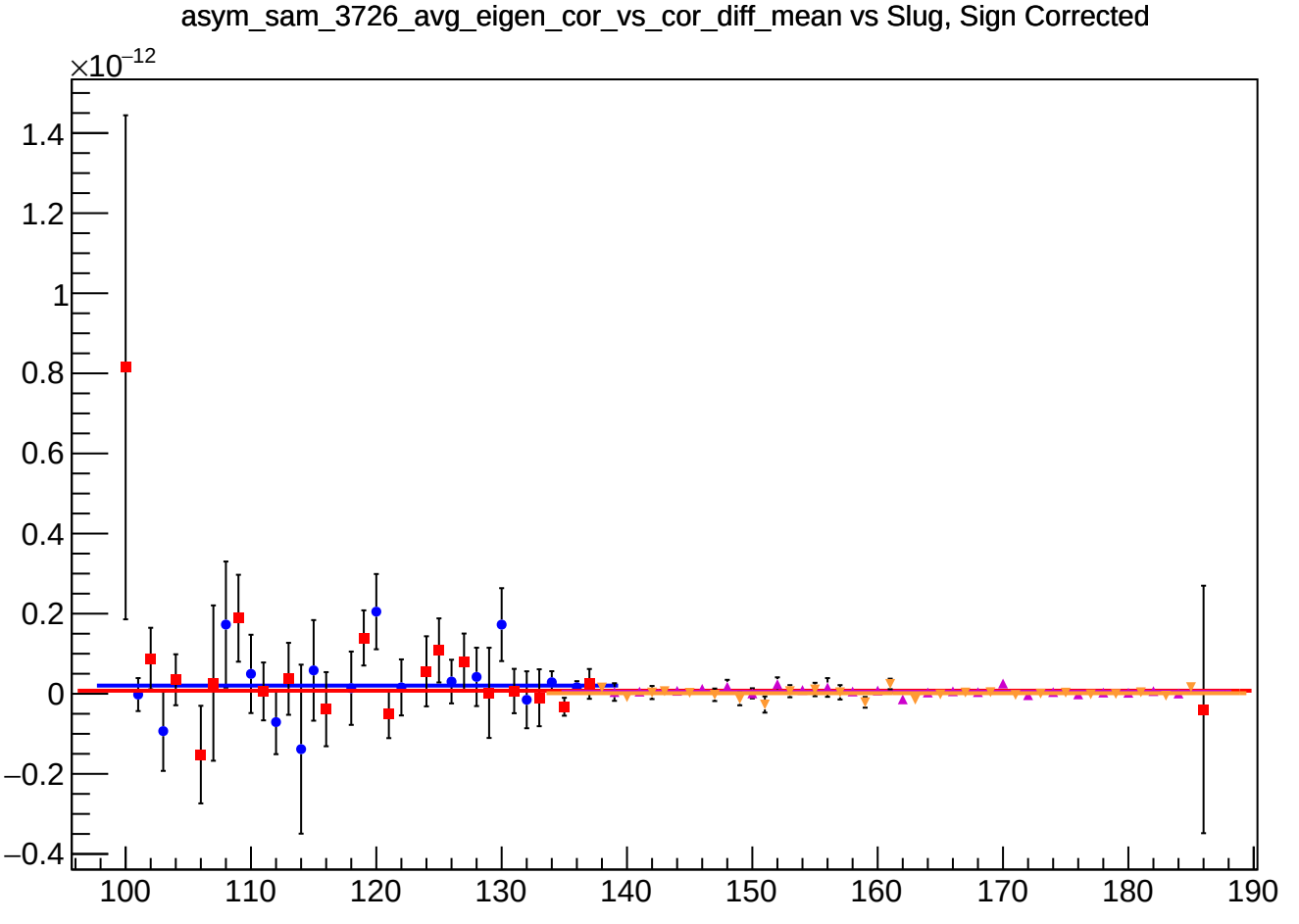
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.062+/-0.009 χ^2/NDF: 3459863.3/35

In: 41.994+/-0.006 χ^2/NDF:4029997.1/38

Out: 42.940+/-0.006 χ^2/NDF:5418149.3/44

All: 42.468+/-0.004 χ^2/NDF: 9459306.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

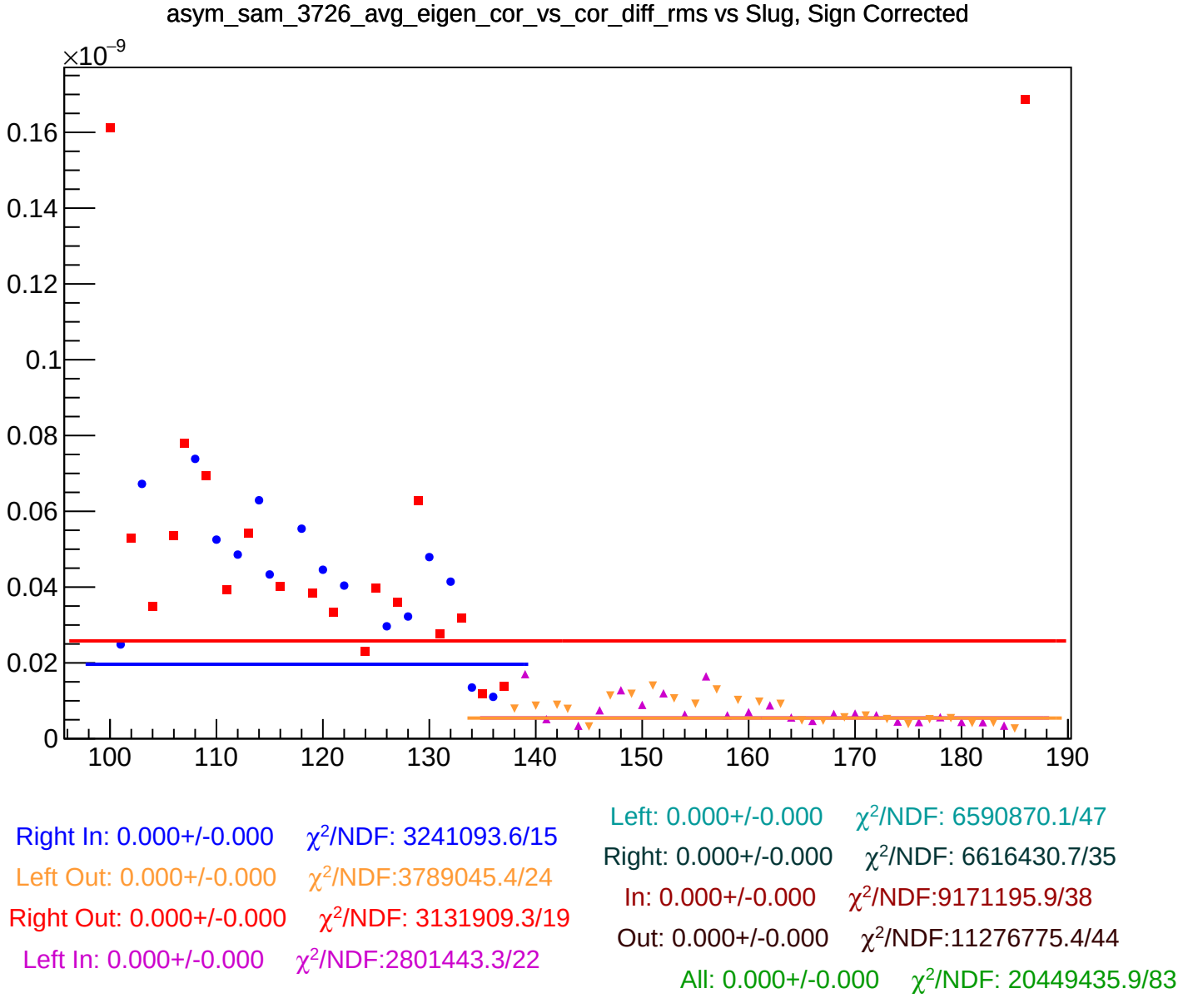
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

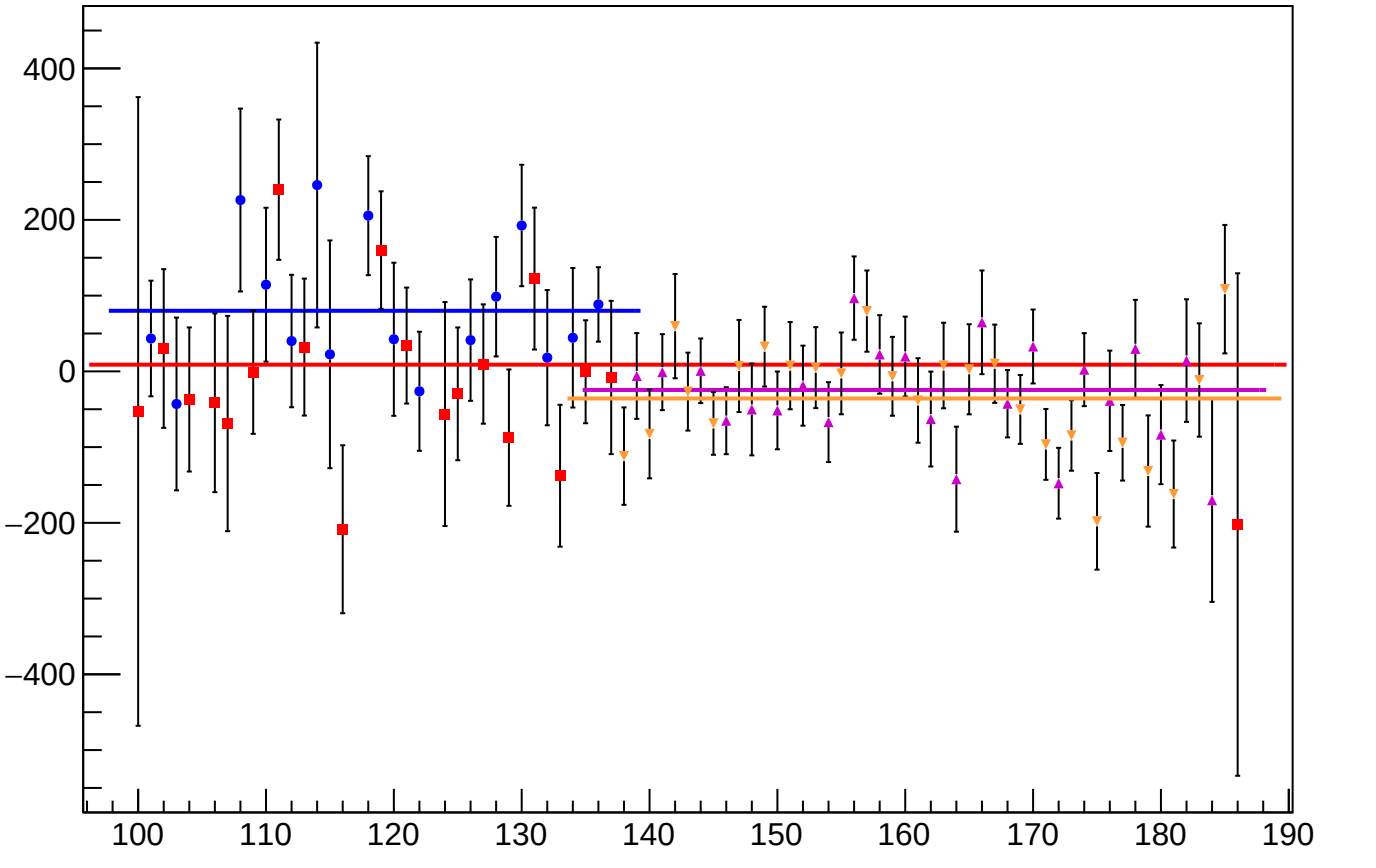
Right: 0.000+/-0.000 χ^2/NDF: 31.1/35

In: 0.000+/-0.000 χ^2/NDF:26.8/38

Out: 0.000+/-0.000 χ^2/NDF:38.7/44

All: 0.000+/-0.000 χ^2/NDF: 68.1/83


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3789045.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3131909.3/19
Left In: 0.000+/-0.000 χ²/NDF:2801443.3/22
Left: 0.000+/-0.000 χ²/NDF: 6590870.1/47
Right: 0.000+/-0.000 χ²/NDF: 6616430.7/35
In: 0.000+/-0.000 χ²/NDF:9171195.9/38
Out: 0.000+/-0.000 χ²/NDF:11276775.4/44
All: 0.000+/-0.000 χ²/NDF: 20449435.9/83



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

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

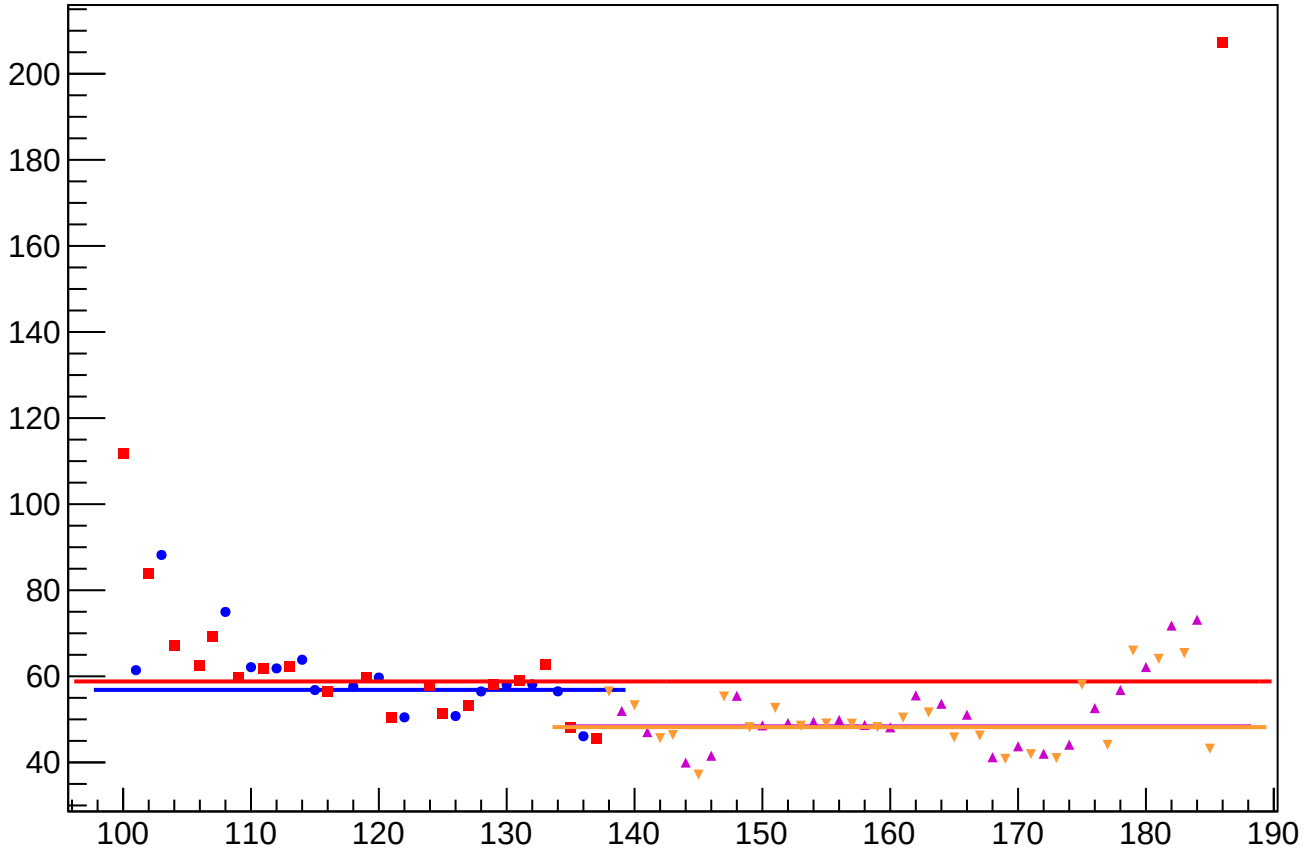
Right: 44.574+/-15.219 χ^2/NDF: 37.8/35

In: -1.359+/-10.118 χ^2/NDF:55.7/38

Out: -26.420+/-9.884 χ^2/NDF:57.8/44

All: -14.183+/-7.070 χ^2/NDF: 116.7/83

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

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

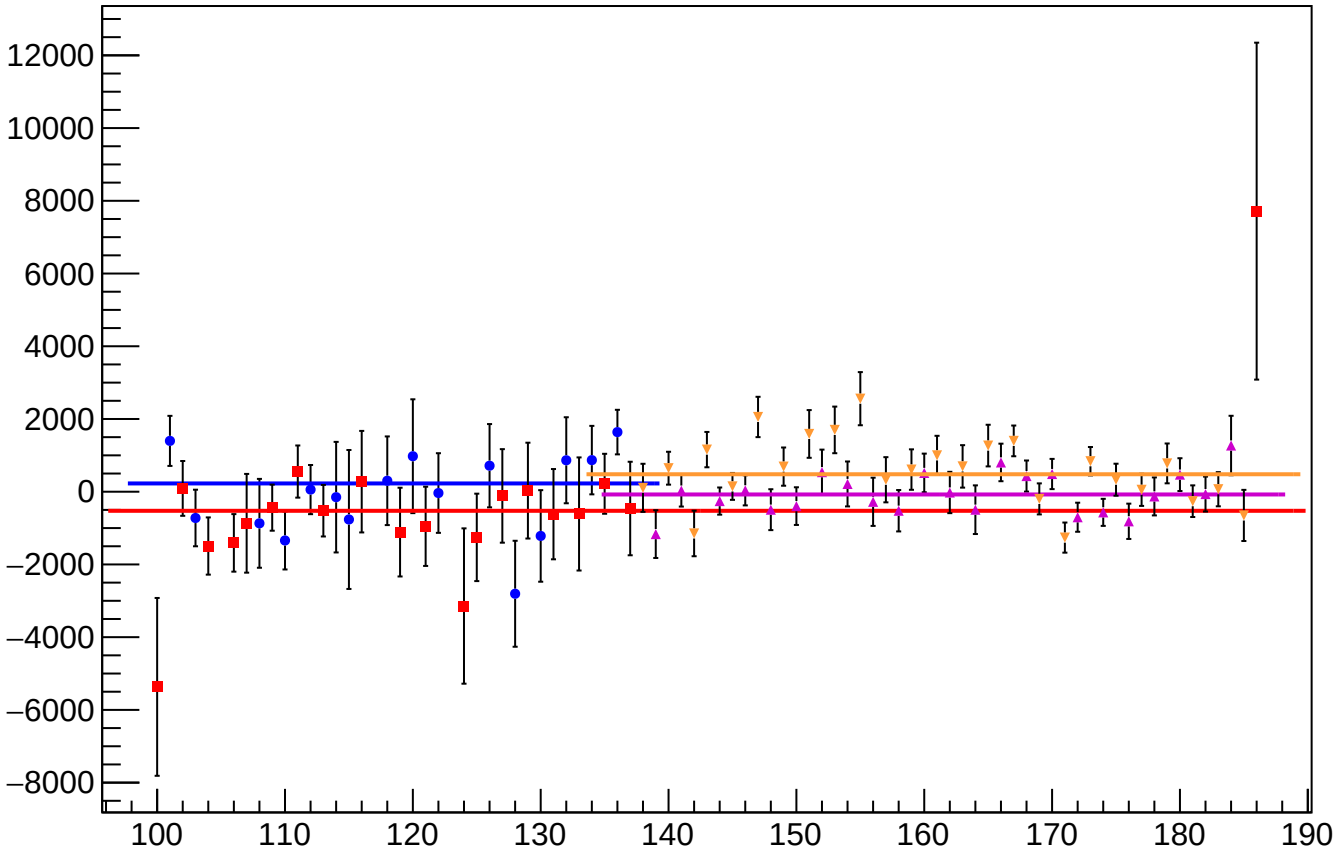
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 57.829+/-0.011 χ^2/NDF: 1066507.3/35

In: 50.262+/-0.007 χ^2/NDF:1279260.3/38

Out: 50.426+/-0.007 χ^2/NDF:1879424.0/44

All: 50.346+/-0.005 χ^2/NDF: 3158955.2/83



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

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

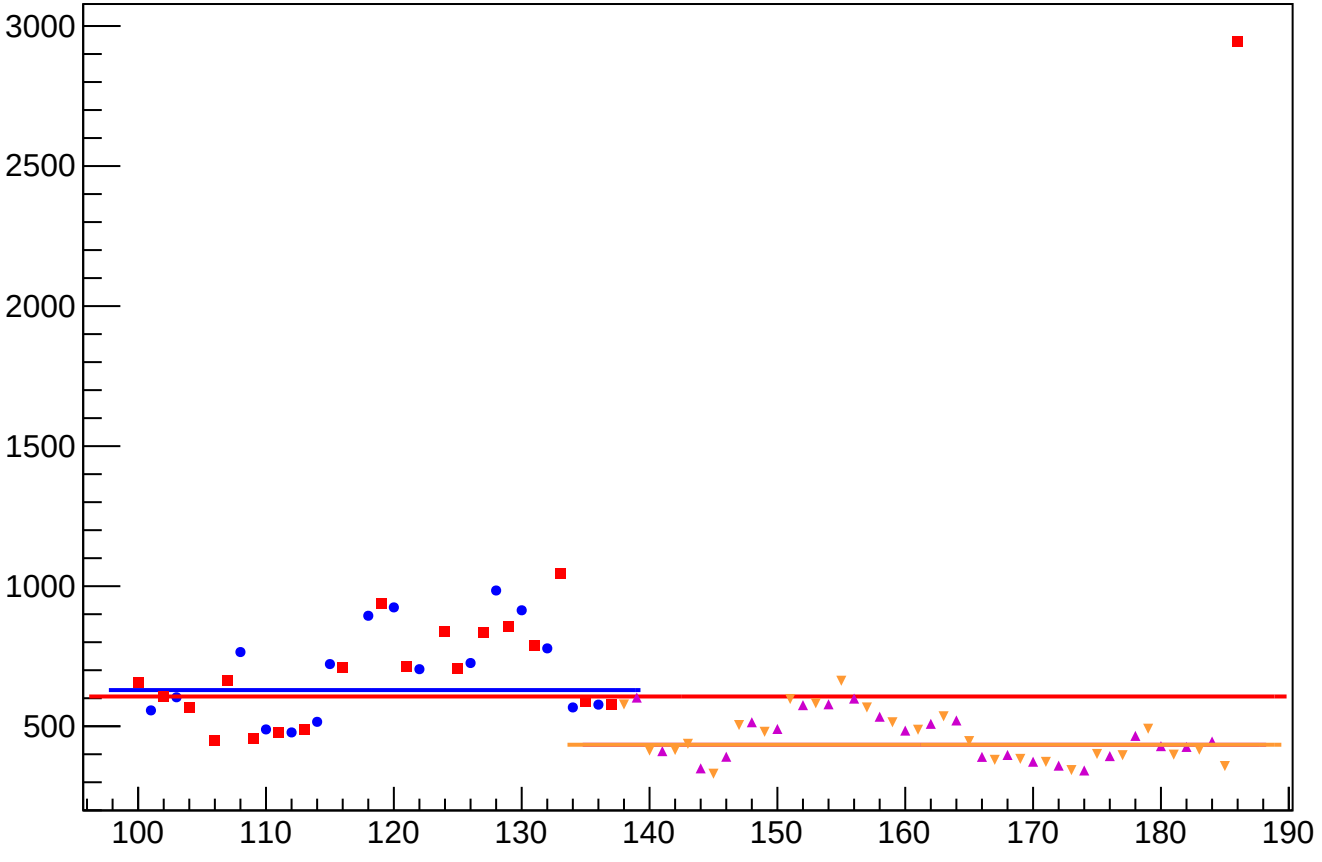
Right: -171.606+/-165.302 χ^2/NDF: 43.3/35

In: -28.814+/-94.826 χ^2/NDF:47.4/38

Out: 315.376+/-91.914 χ^2/NDF:102.2/44

All: 148.647+/-65.998 χ^2/NDF: 156.4/83

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 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

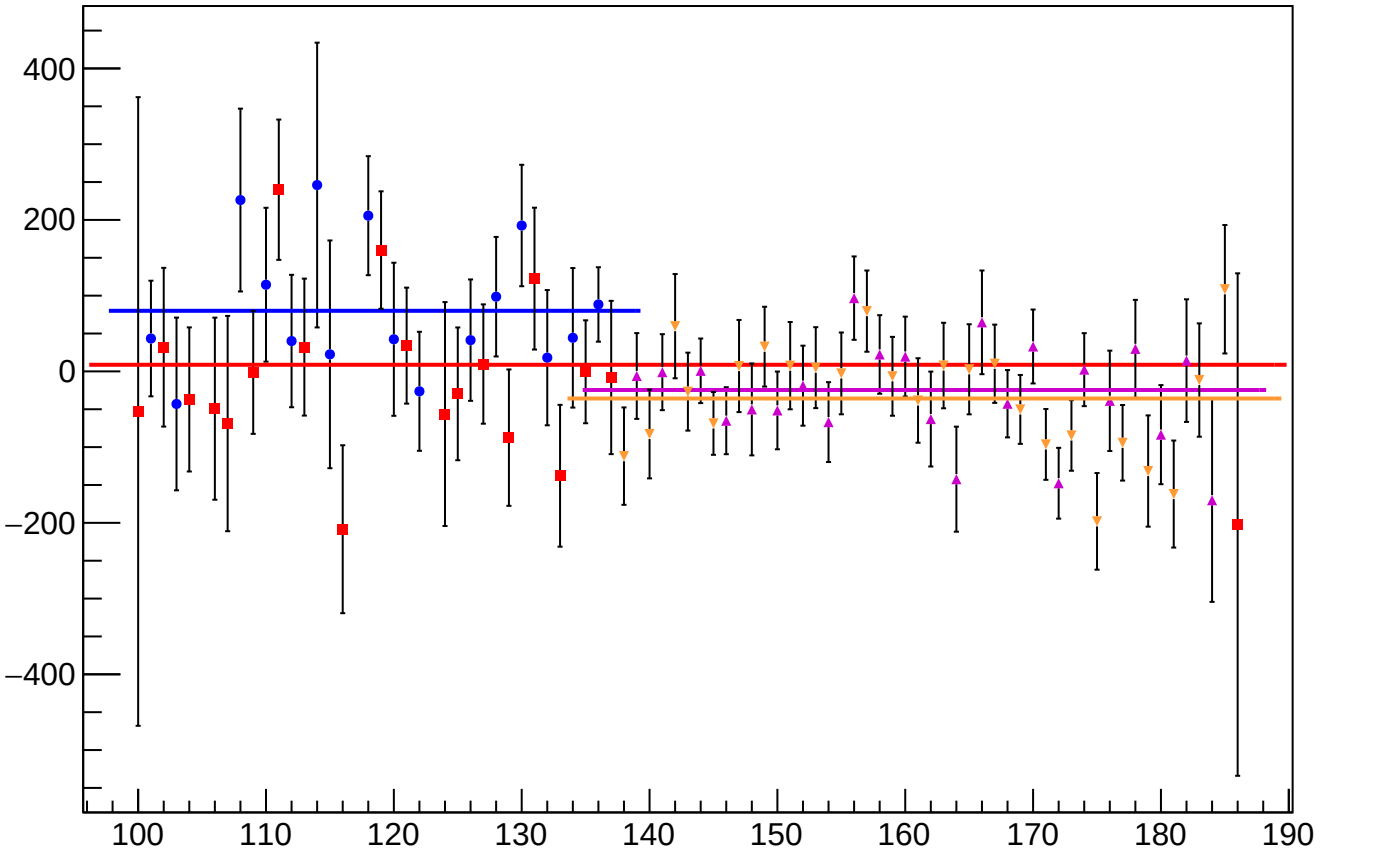
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 616.961+/-0.117 χ^2/NDF: 2087521.7/35

In: 463.913+/-0.067 χ^2/NDF:2896733.5/38

Out: 462.197+/-0.065 χ^2/NDF:3592211.8/44

All: 463.028+/-0.047 χ^2/NDF: 6489282.9/83



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

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

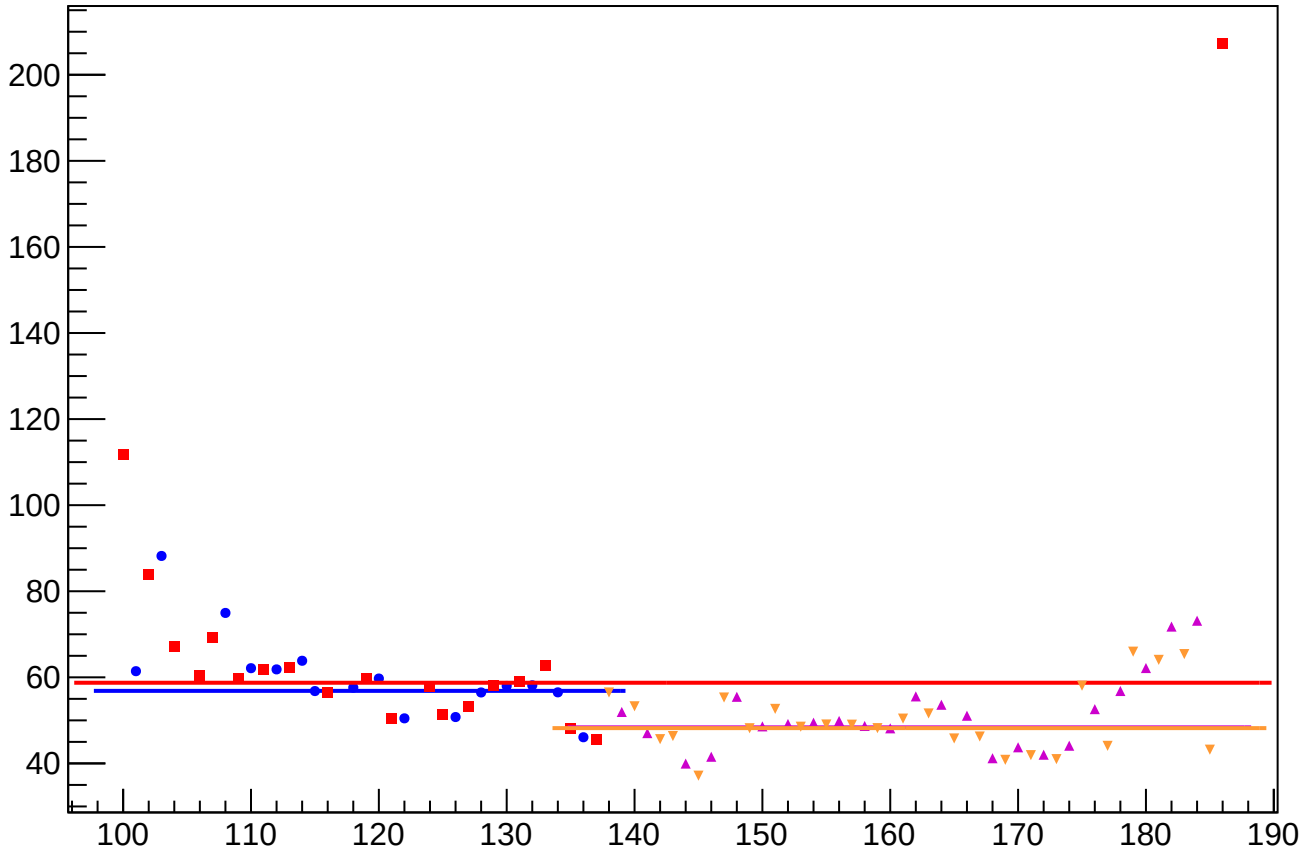
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 44.543+/-15.224 χ^2/NDF: 37.8/35

In: -1.359+/-10.118 χ^2/NDF:55.7/38

Out: -26.457+/-9.885 χ^2/NDF:57.9/44

All: -14.200+/-7.071 χ^2/NDF: 116.8/83



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

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

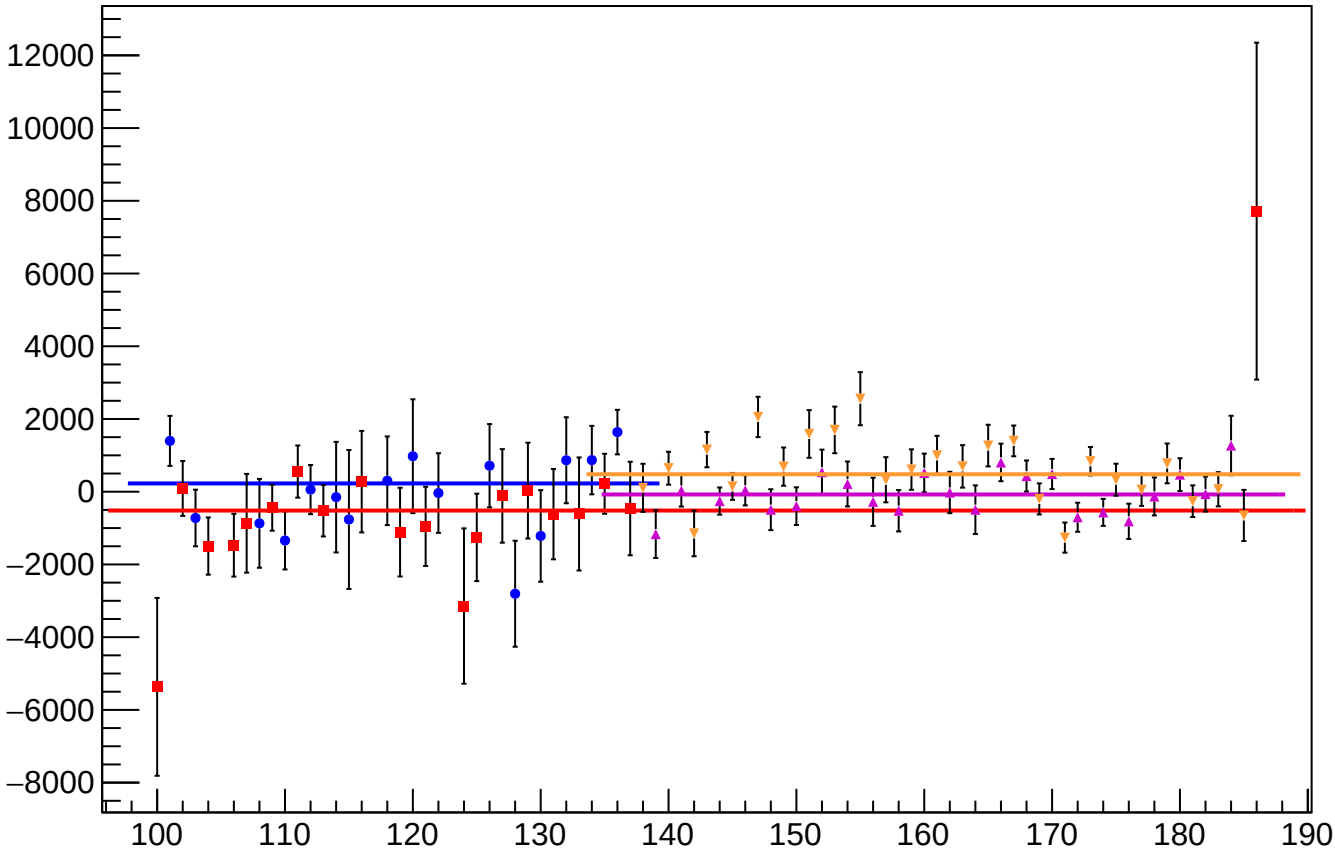
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 57.793+/-0.011 χ^2/NDF: 1064585.5/35

In: 50.262+/-0.007 χ^2/NDF:1279264.4/38

Out: 50.410+/-0.007 χ^2/NDF:1872705.4/44

All: 50.337+/-0.005 χ^2/NDF: 3152188.2/83



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

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

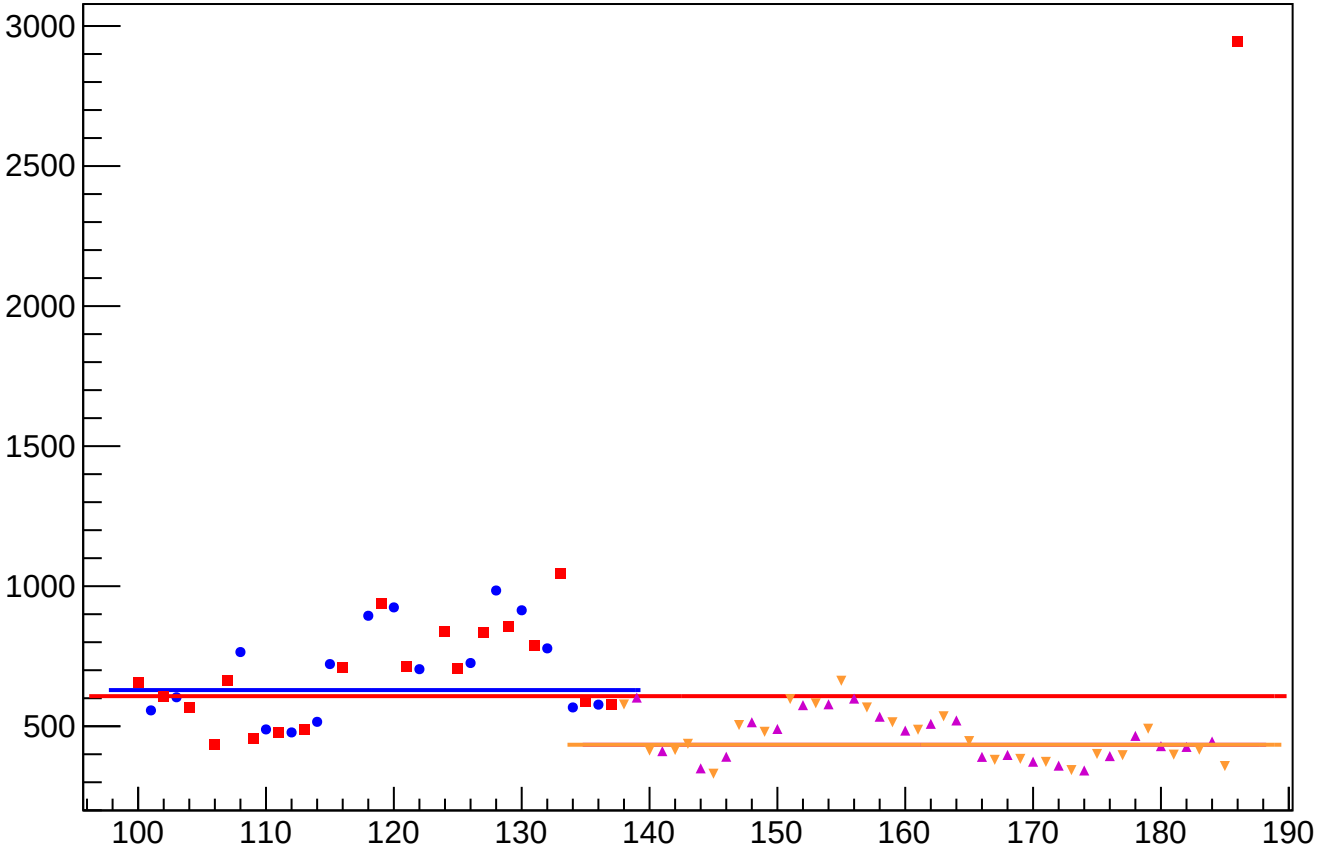
Right: -165.473+/-165.881 χ^2/NDF: 43.2/35

In: -28.811+/-94.826 χ^2/NDF:47.4/38

Out: 318.306+/-92.013 χ^2/NDF:101.7/44

All: 149.972+/-66.035 χ^2/NDF: 156.0/83

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

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

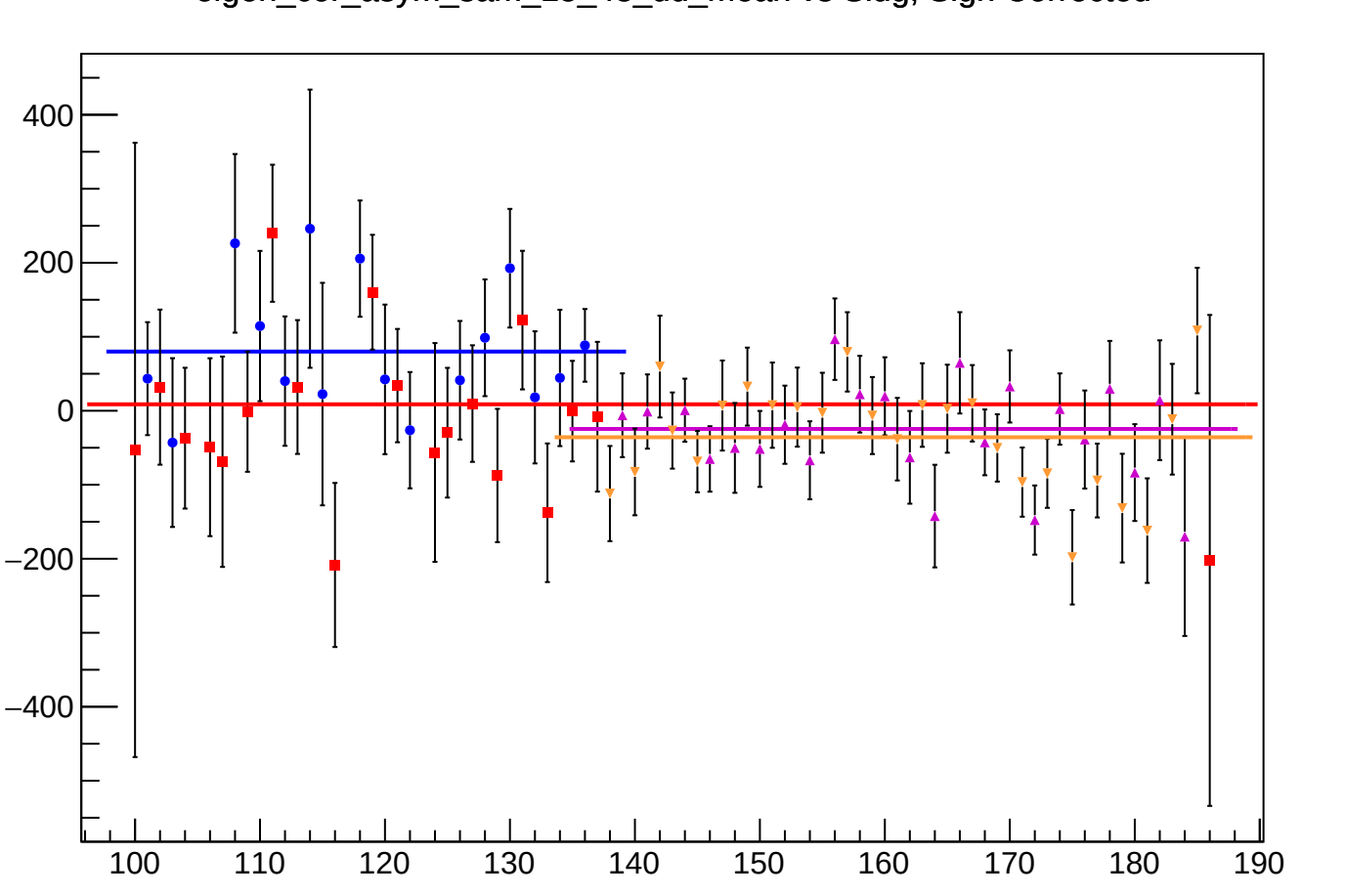
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 617.671+/-0.117 χ^2/NDF: 2085410.2/35

In: 463.913+/-0.067 χ^2/NDF:2896763.7/38

Out: 462.080+/-0.065 χ^2/NDF:3593839.4/44

All: 462.969+/-0.047 χ^2/NDF: 6490987.8/83



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

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

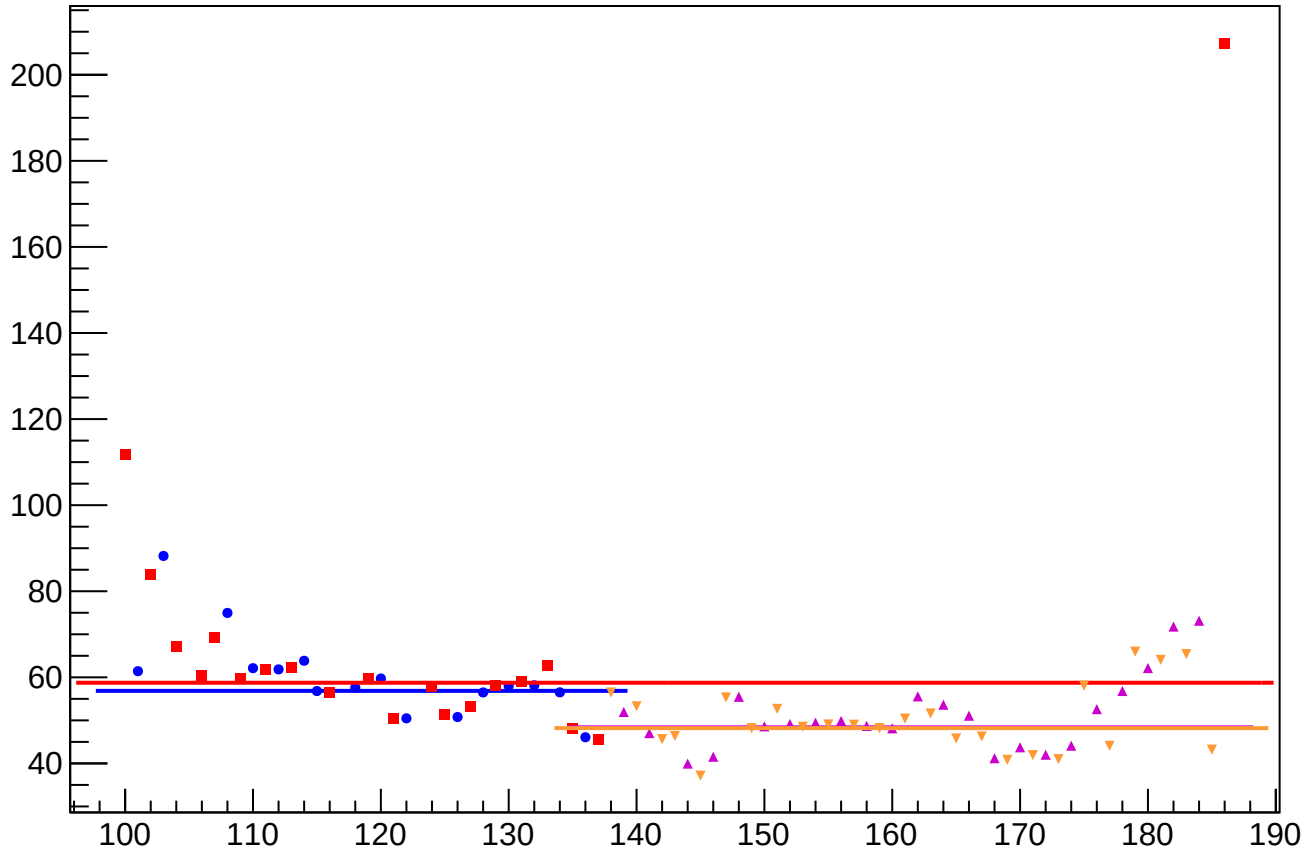
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 44.543+/-15.224 χ^2/NDF: 37.8/35

In: -1.359+/-10.118 χ^2/NDF:55.7/38

Out: -26.457+/-9.885 χ^2/NDF:57.9/44

All: -14.200+/-7.071 χ^2/NDF: 116.8/83



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

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

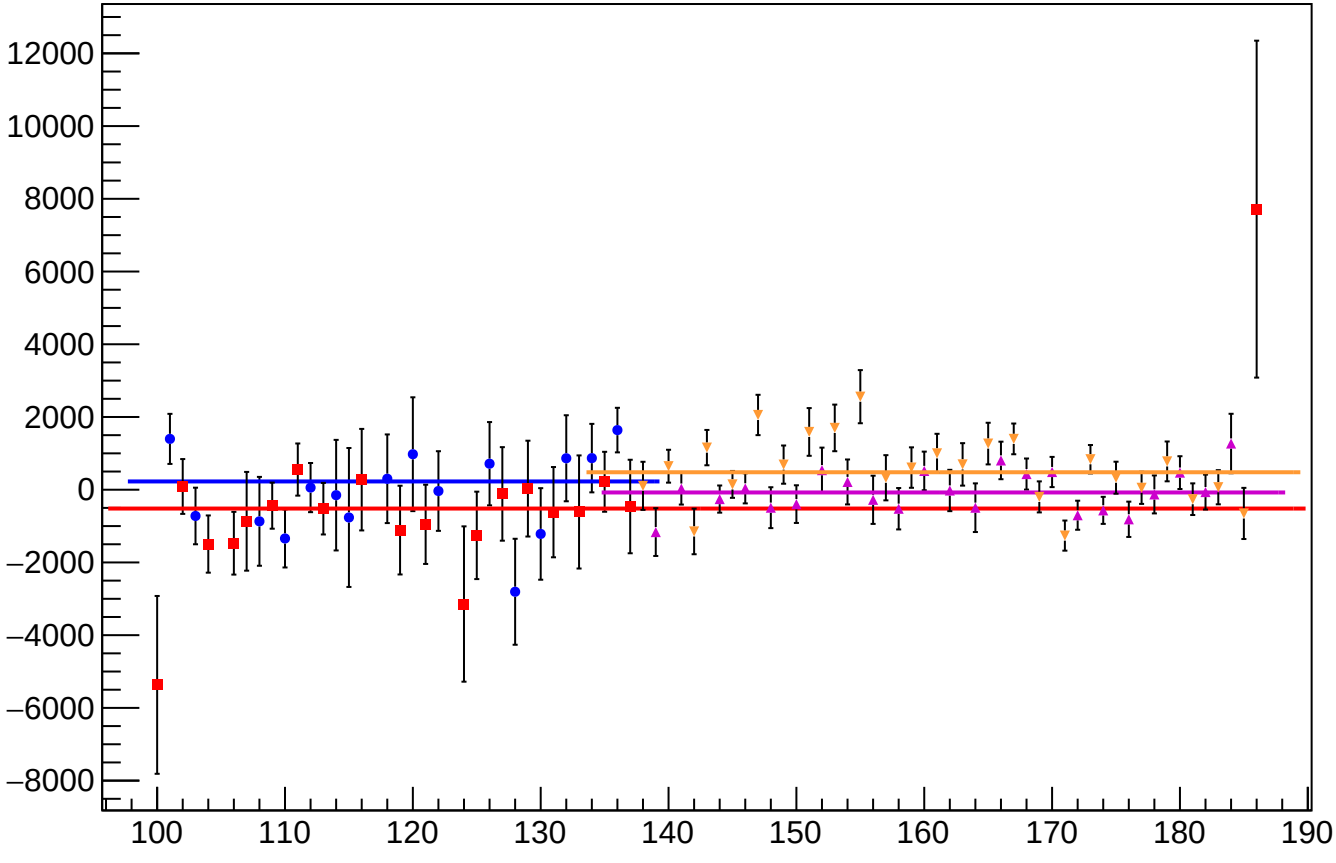
Right: 57.793+/-0.011 χ^2/NDF: 1064585.5/35

In: 50.262+/-0.007 χ^2/NDF:1279264.4/38

Out: 50.410+/-0.007 χ^2/NDF:1872705.4/44

All: 50.337+/-0.005 χ^2/NDF: 3152188.2/83

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

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

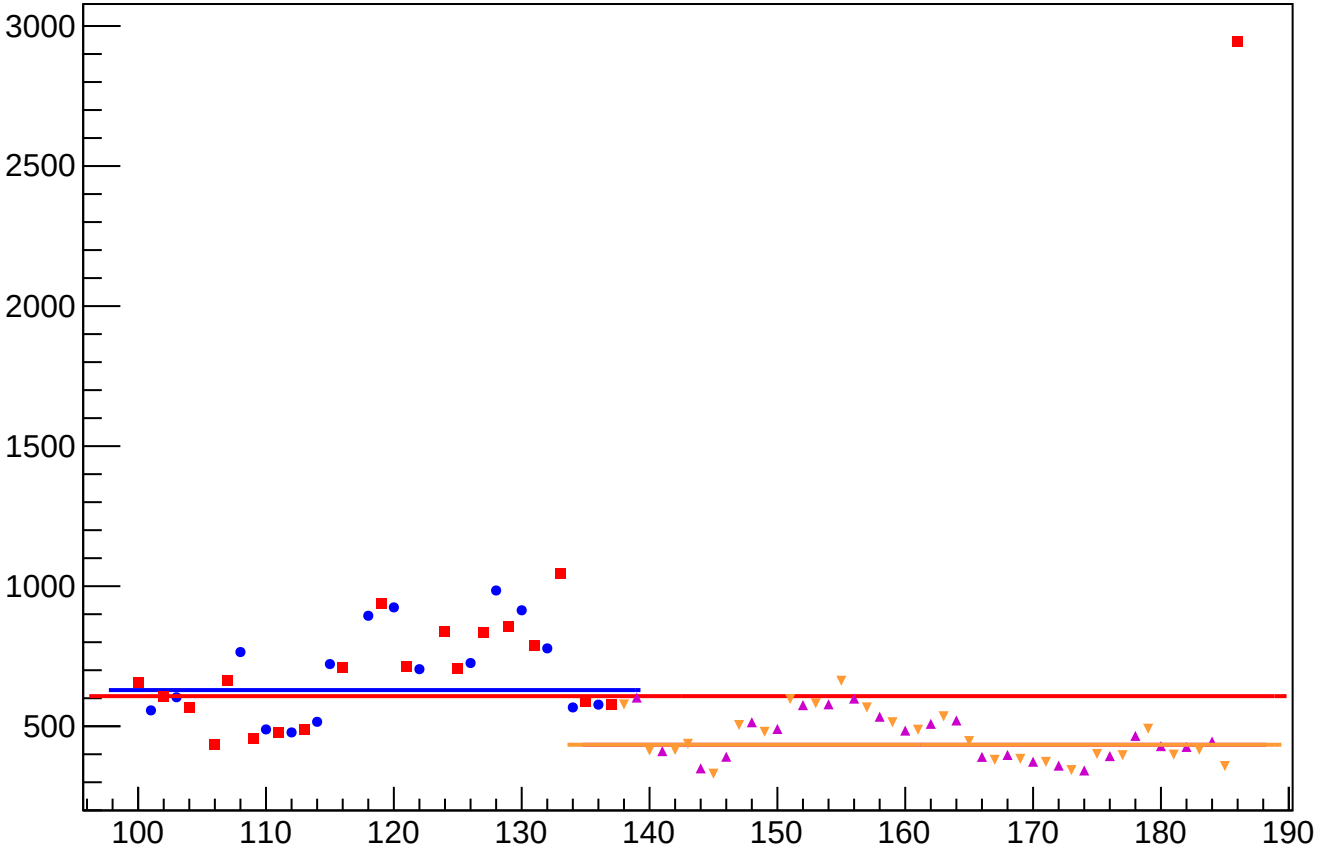
Right: -165.473+/-165.881 χ^2/NDF: 43.2/35

In: -28.811+/-94.826 χ^2/NDF:47.4/38

Out: 318.306+/-92.013 χ^2/NDF:101.7/44

All: 149.972+/-66.035 χ^2/NDF: 156.0/83

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

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

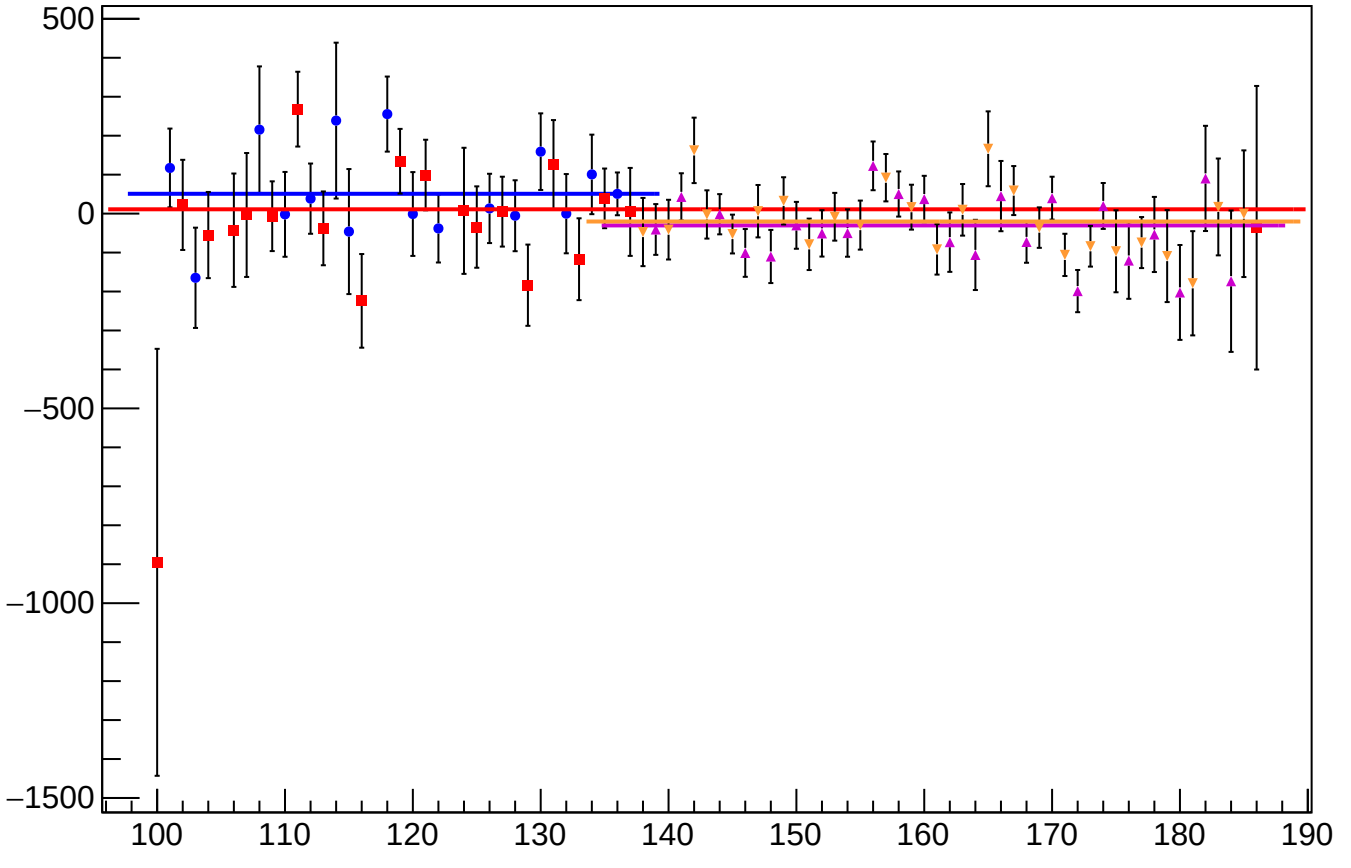
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 617.671+/-0.117 χ^2/NDF: 2085410.2/35

In: 463.913+/-0.067 χ^2/NDF:2896763.7/38

Out: 462.080+/-0.065 χ^2/NDF:3593839.4/44

All: 462.969+/-0.047 χ^2/NDF: 6490987.8/83



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

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

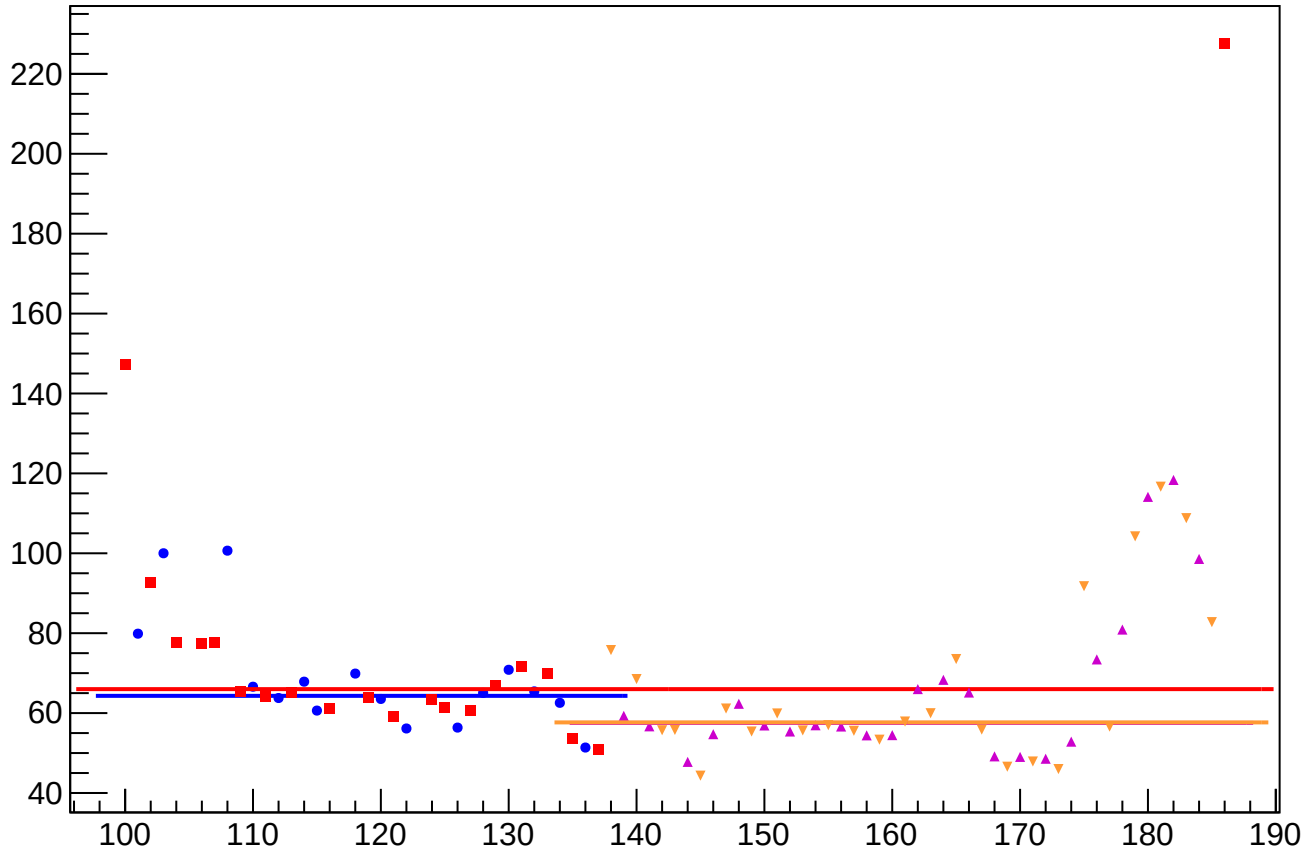
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 30.774+/-17.240 χ^2/NDF: 39.2/35

In: -10.372+/-12.141 χ^2/NDF:54.7/38

Out: -12.755+/-11.888 χ^2/NDF:50.4/44

All: -11.588+/-8.494 χ^2/NDF: 105.1/83



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

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

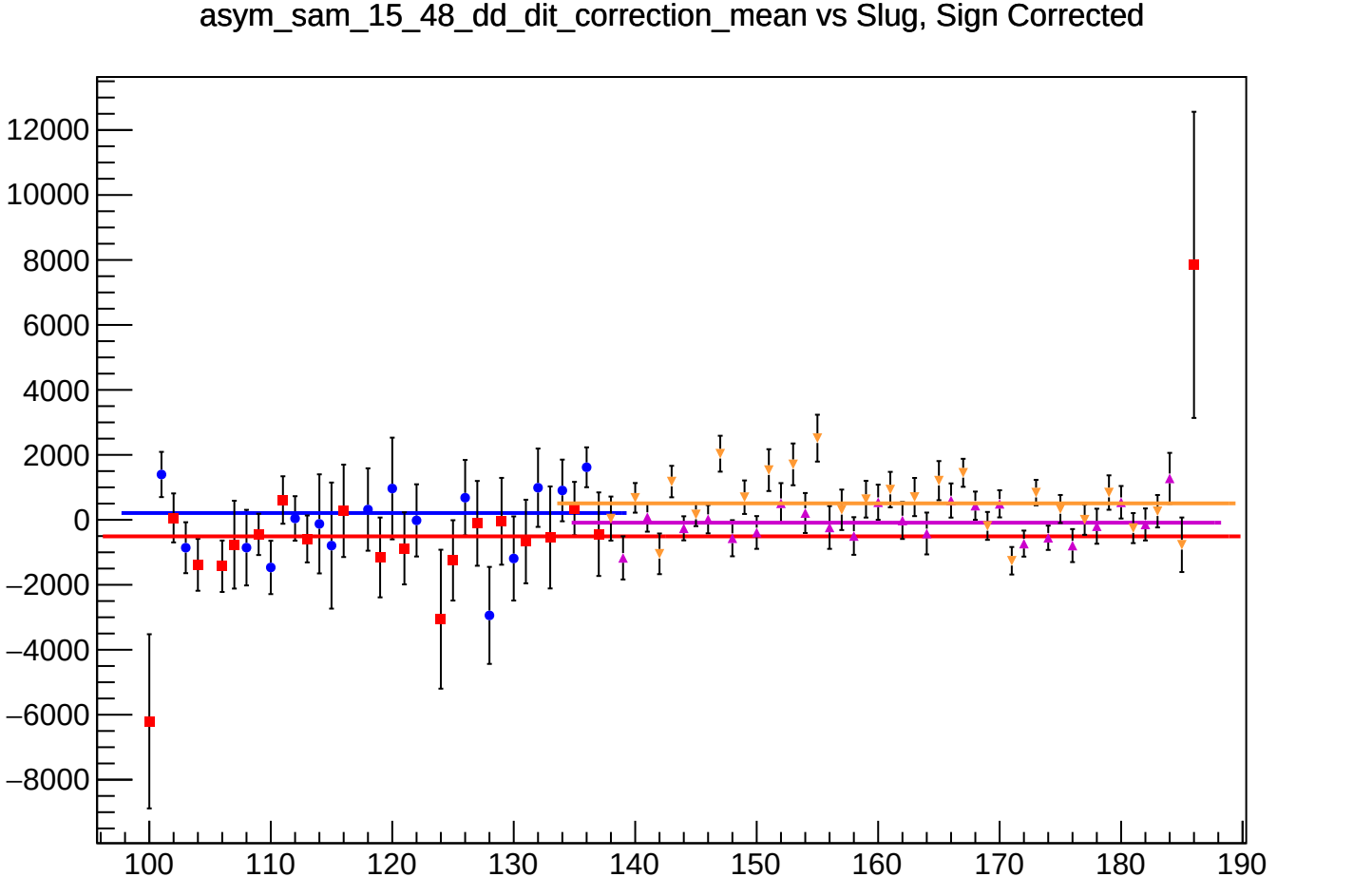
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

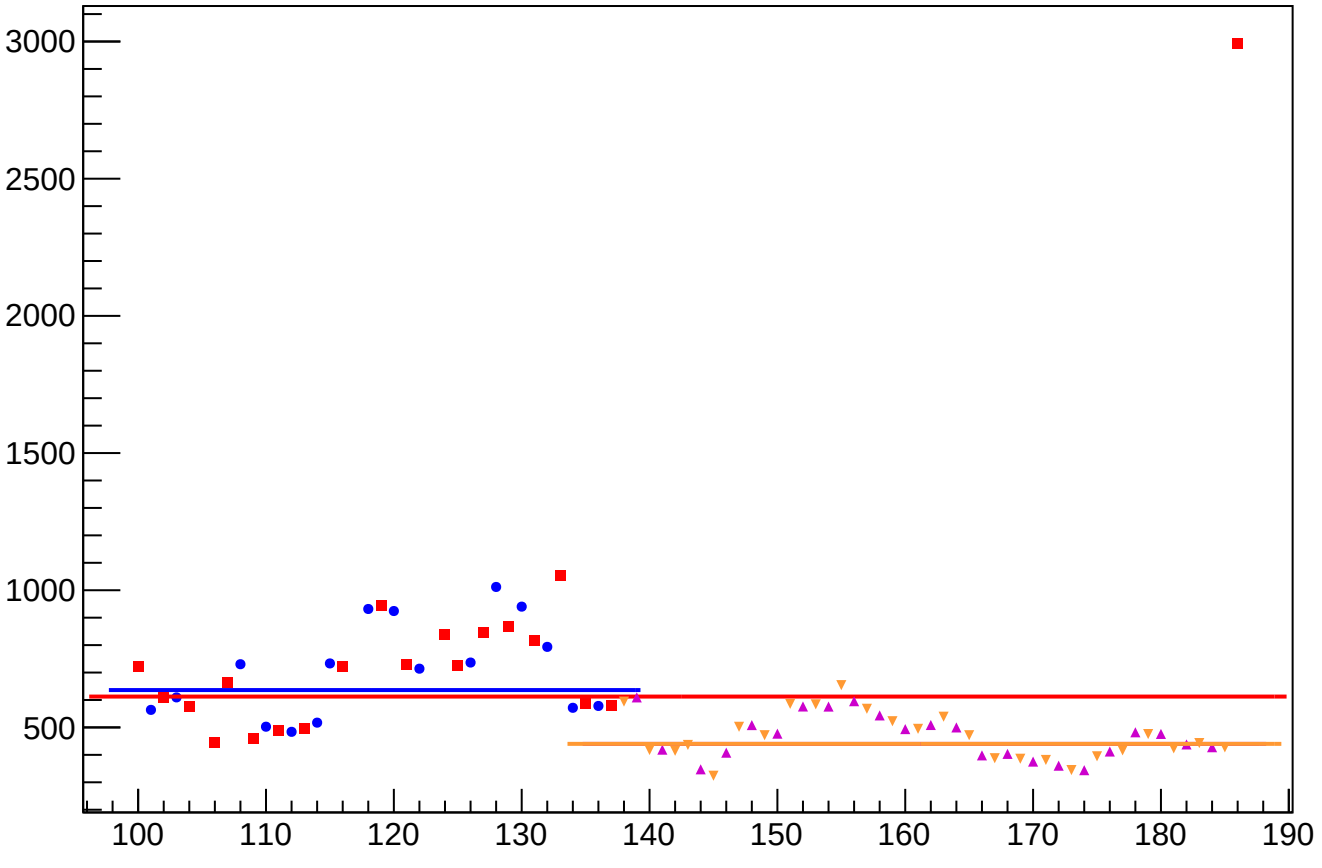
Right: 65.166+/-0.012 χ^2/NDF: 1184717.7/35

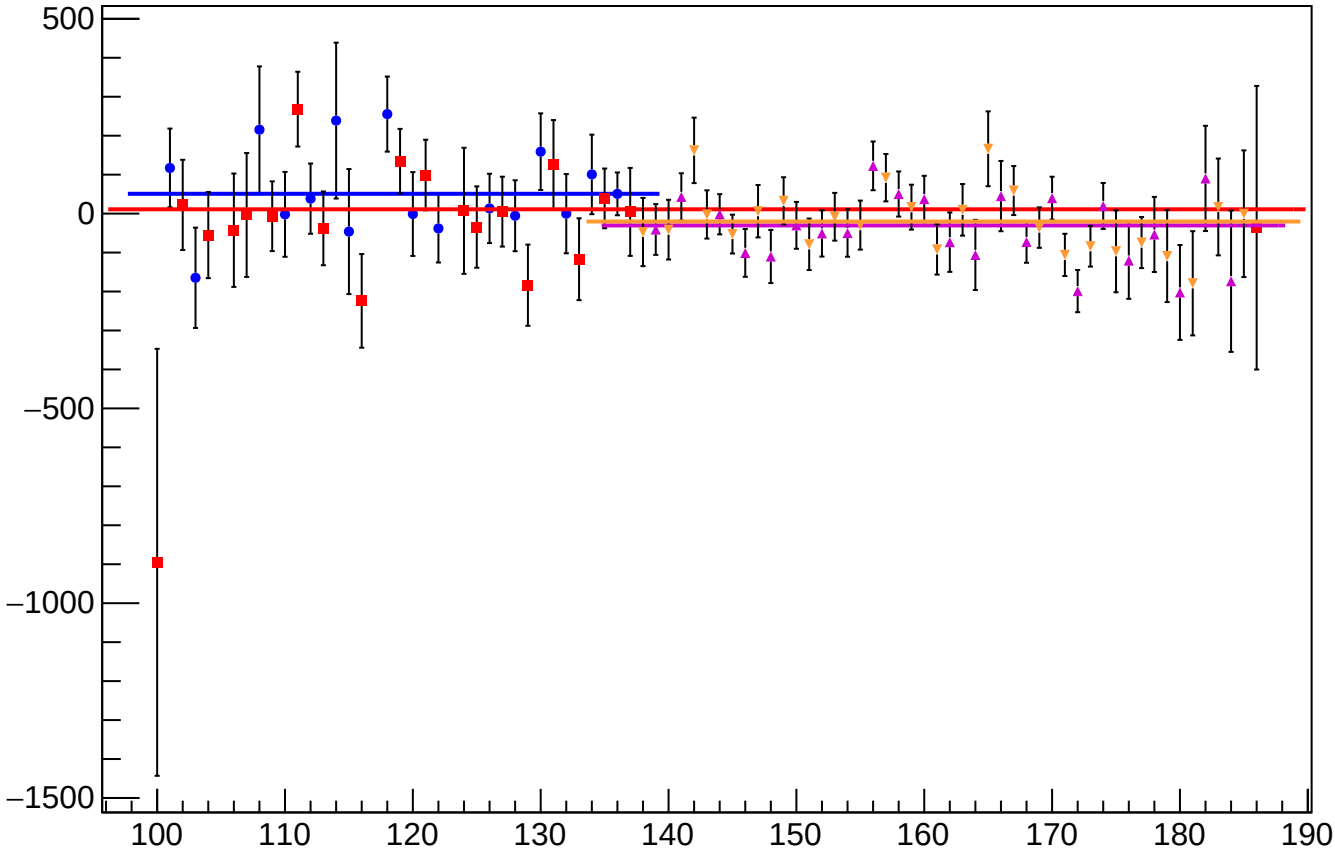
In: 59.205+/-0.009 χ^2/NDF:2023750.6/38

Out: 59.667+/-0.008 χ^2/NDF:2803859.3/44

All: 59.441+/-0.006 χ^2/NDF: 4829090.8/83


asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 210.018+/-243.798 χ²/NDF: 22.4/15
Left Out: 507.171+/-101.776 χ²/NDF:65.8/24
Right Out: -508.818+/-229.406 χ²/NDF: 17.0/19
Left In: -88.471+/-104.542 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -171.242+/-167.071 χ²/NDF: 44.0/35
In: -42.112+/-96.081 χ²/NDF:47.0/38
Out: 340.085+/-93.032 χ²/NDF:99.2/44
All: 155.147+/-66.835 χ²/NDF: 154.4/83


asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 636.144+/-0.172 χ²/NDF: 705237.7/15
Left Out: 440.075+/-0.072 χ²/NDF:1196985.5/24
Right Out: 612.457+/-0.162 χ²/NDF: 1405310.5/19
Left In: 439.877+/-0.074 χ²/NDF:1061910.1/22
Left: 439.979+/-0.052 χ²/NDF: 2258899.3/47
Right: 623.581+/-0.118 χ²/NDF: 2120561.6/35
In: 470.360+/-0.068 χ²/NDF:2862013.4/38
Out: 468.425+/-0.066 χ²/NDF:3545862.5/44
All: 469.361+/-0.047 χ²/NDF: 6408294.9/83



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

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

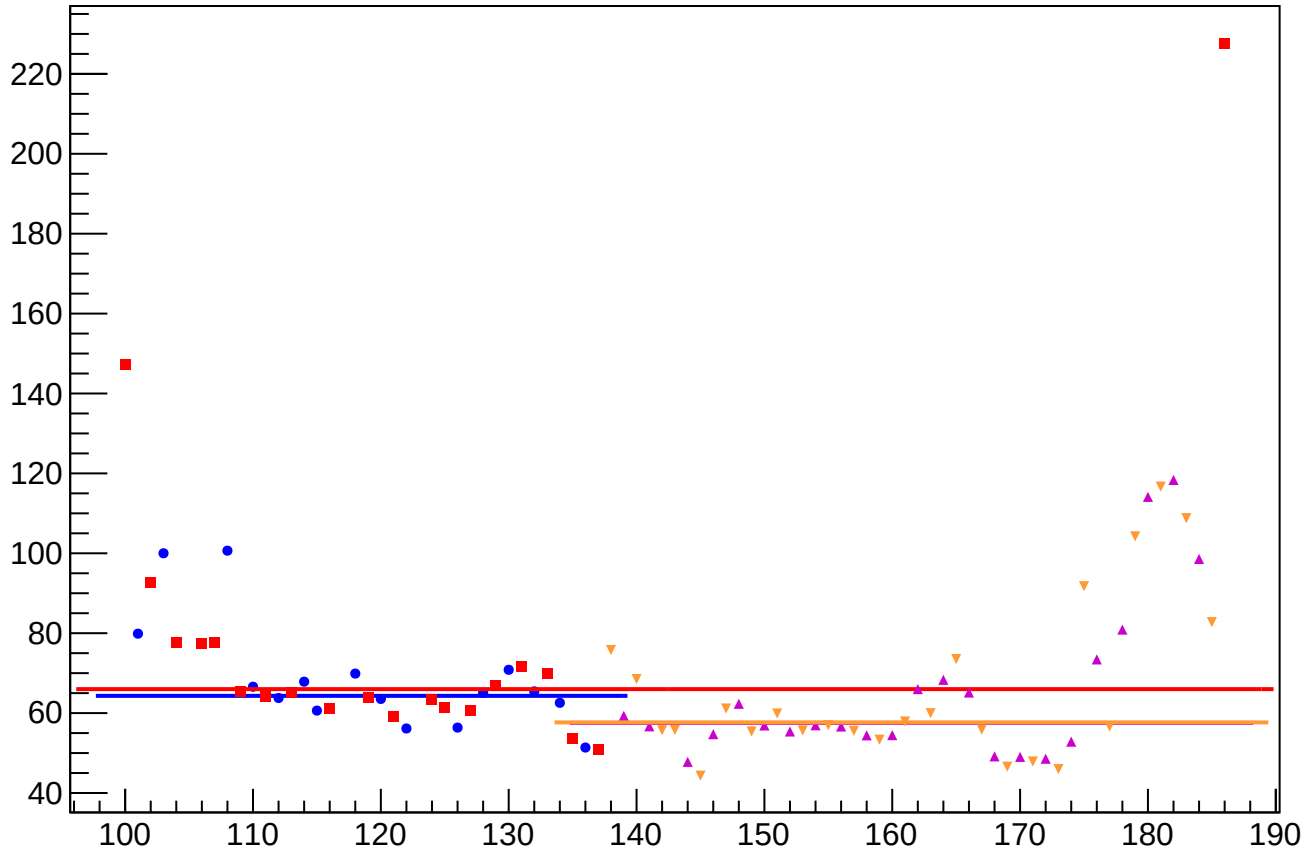
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 30.773+/-17.240 χ^2/NDF: 39.2/35

In: -10.372+/-12.141 χ^2/NDF:54.7/38

Out: -12.756+/-11.888 χ^2/NDF:50.4/44

All: -11.589+/-8.494 χ^2/NDF: 105.1/83



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

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

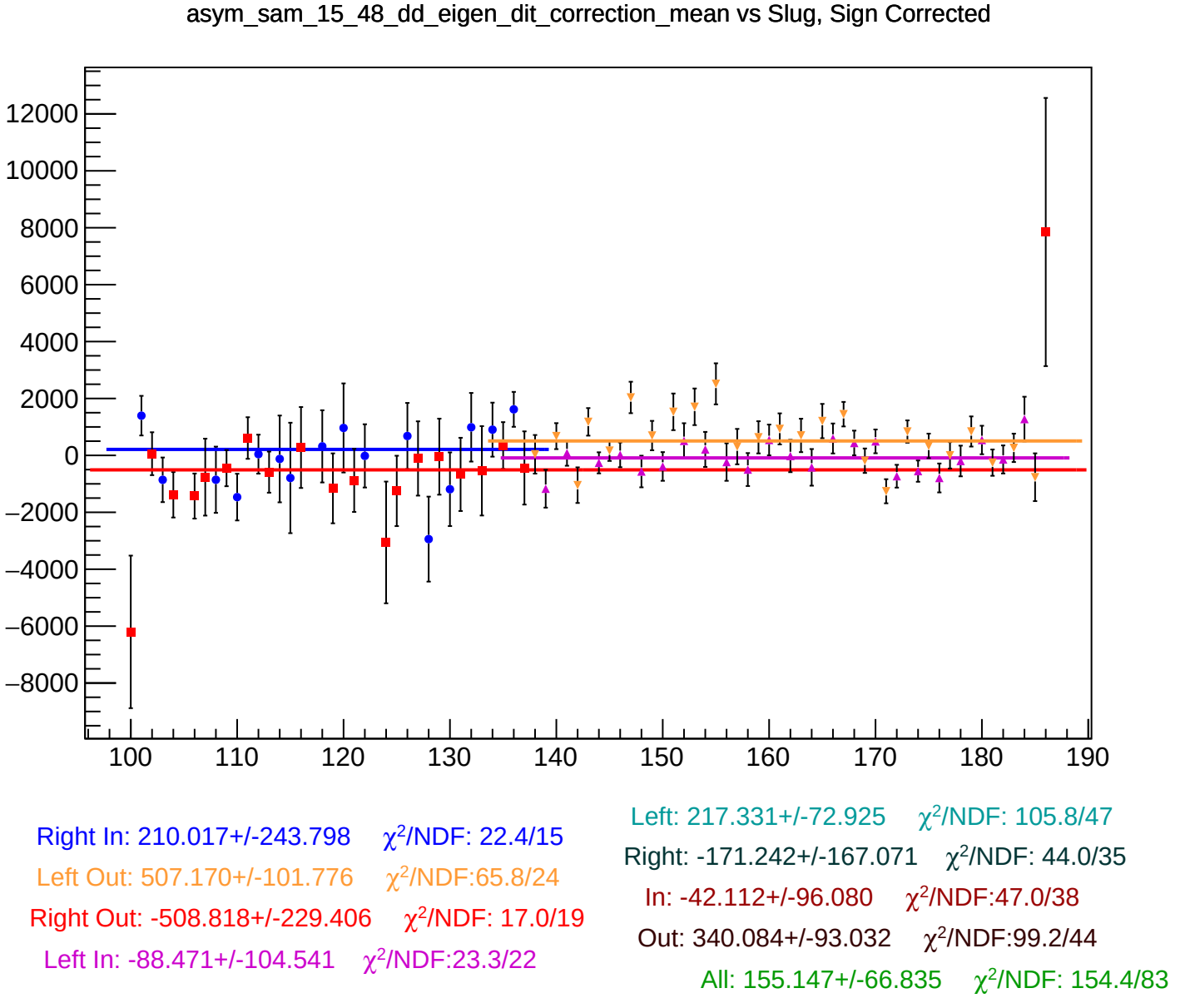
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 65.166+/-0.012 χ^2/NDF: 1184723.2/35

In: 59.205+/-0.009 χ^2/NDF:2023727.0/38

Out: 59.667+/-0.008 χ^2/NDF:2803851.9/44

All: 59.441+/-0.006 χ^2/NDF: 4829060.1/83


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
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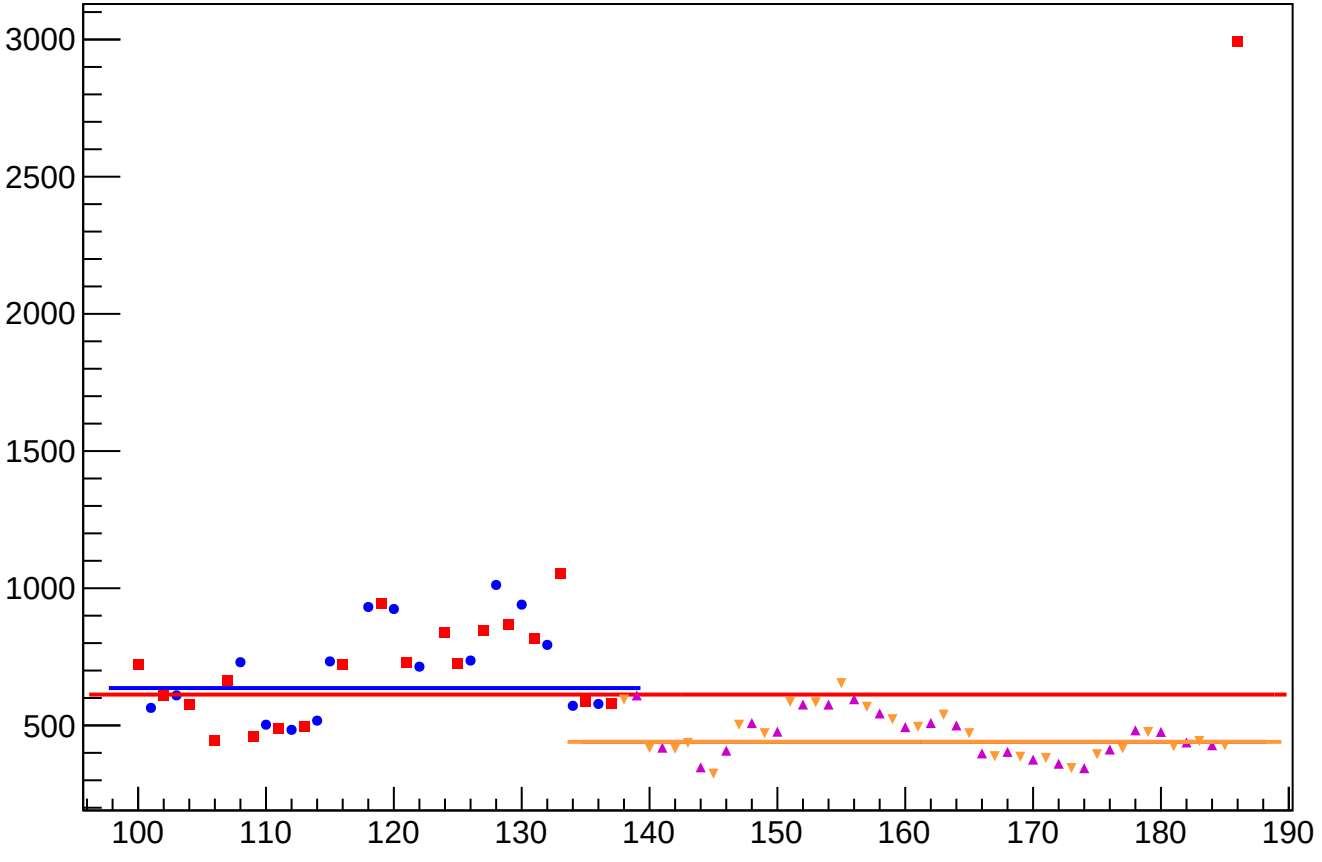
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 210.017+/-243.798 χ²/NDF: 22.4/15
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: -508.818+/-229.406 χ²/NDF: 17.0/19
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -171.242+/-167.071 χ²/NDF: 44.0/35
In: -42.112+/-96.080 χ²/NDF:47.0/38
Out: 340.084+/-93.032 χ²/NDF:99.2/44
All: 155.147+/-66.835 χ²/NDF: 154.4/83

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 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

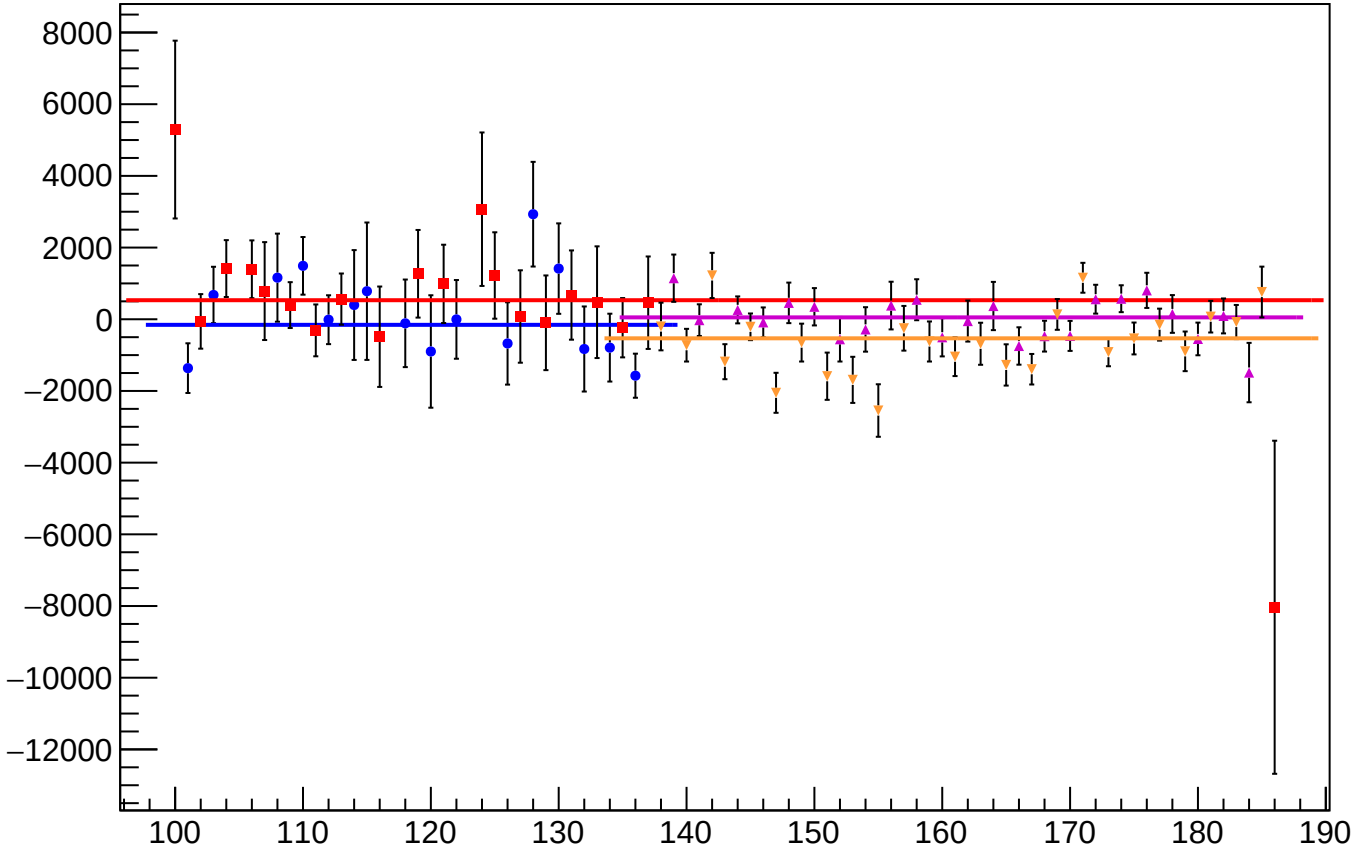
Right: 623.580+/-0.118 χ^2/NDF: 2120567.7/35

In: 470.359+/-0.068 χ^2/NDF:2862031.0/38

Out: 468.424+/-0.066 χ^2/NDF:3545879.5/44

All: 469.360+/-0.047 χ^2/NDF: 6408329.4/83

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

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

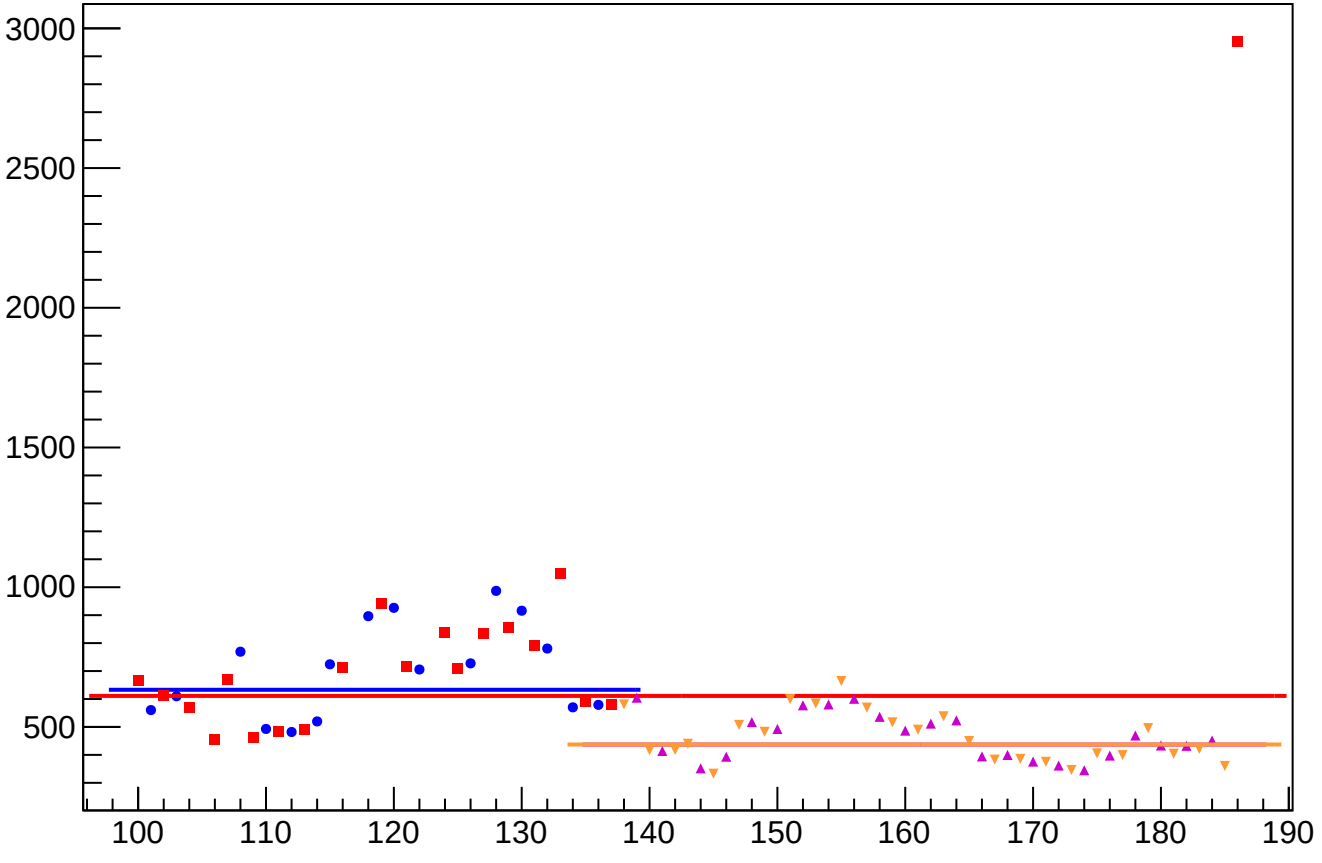
Right: 208.237+/-166.377 χ^2/NDF: 42.3/35

In: 20.298+/-95.486 χ^2/NDF:47.2/38

Out: -357.274+/-92.573 χ^2/NDF:99.2/44

All: -174.334+/-66.465 χ^2/NDF: 154.4/83

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

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

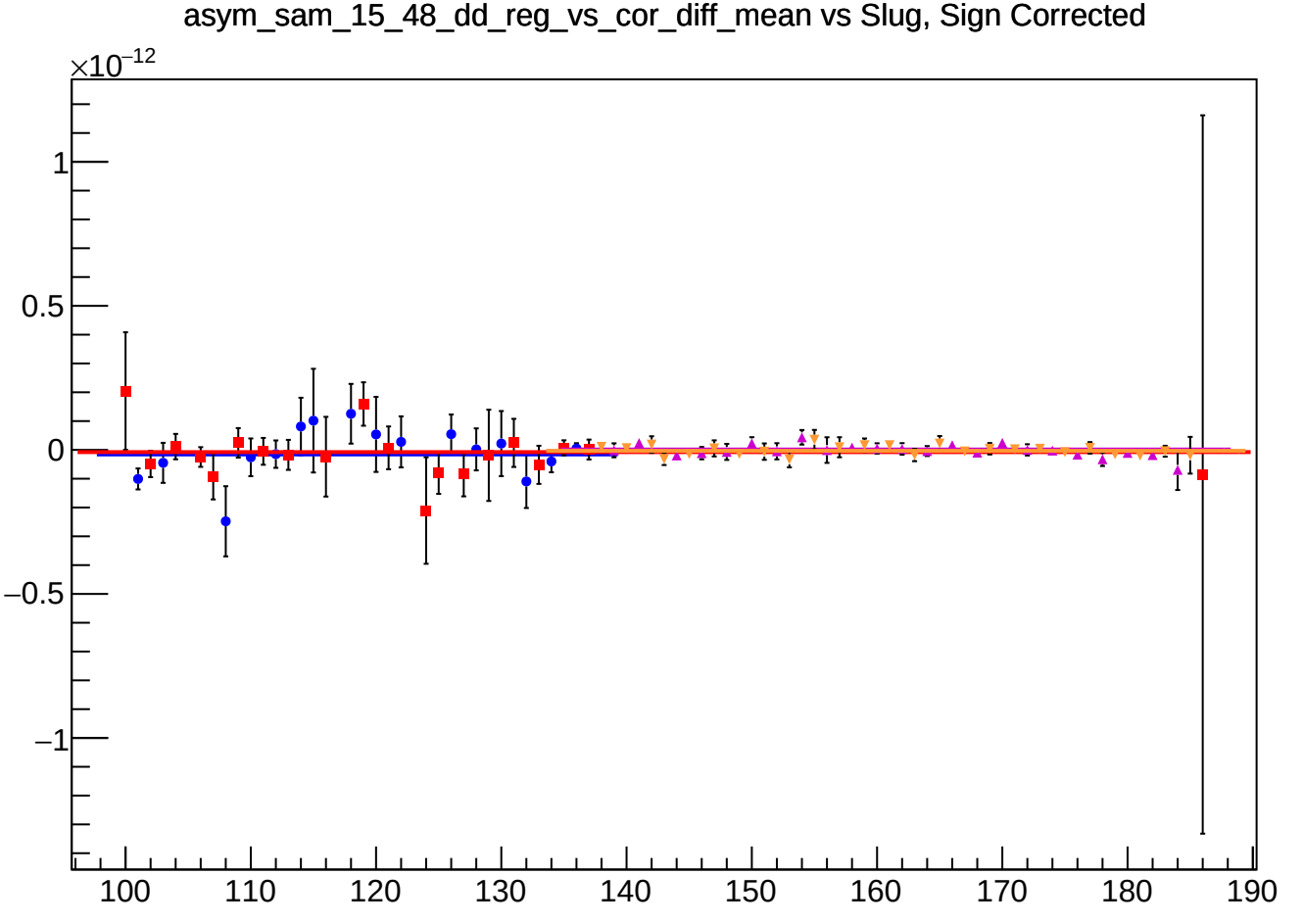
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 621.362+/-0.118 χ^2/NDF: 2053001.7/35

In: 467.307+/-0.068 χ^2/NDF:2864754.0/38

Out: 465.671+/-0.065 χ^2/NDF:3558167.4/44

All: 466.464+/-0.047 χ^2/NDF: 6423223.8/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

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

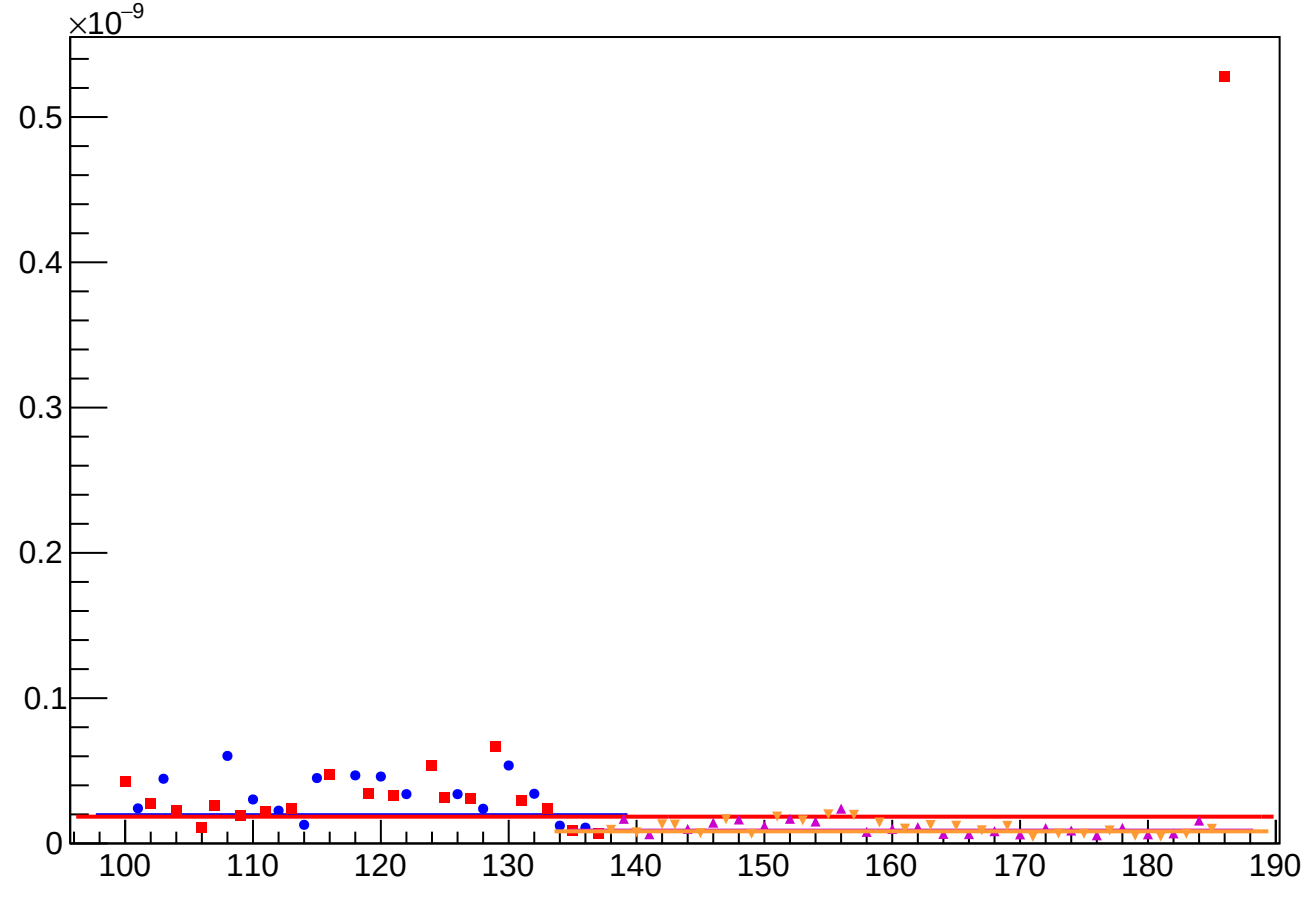
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 30.1/35

In: -0.000+/-0.000 χ^2/NDF:40.6/38

Out: -0.000+/-0.000 χ^2/NDF:27.4/44

All: -0.000+/-0.000 χ^2/NDF: 68.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

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

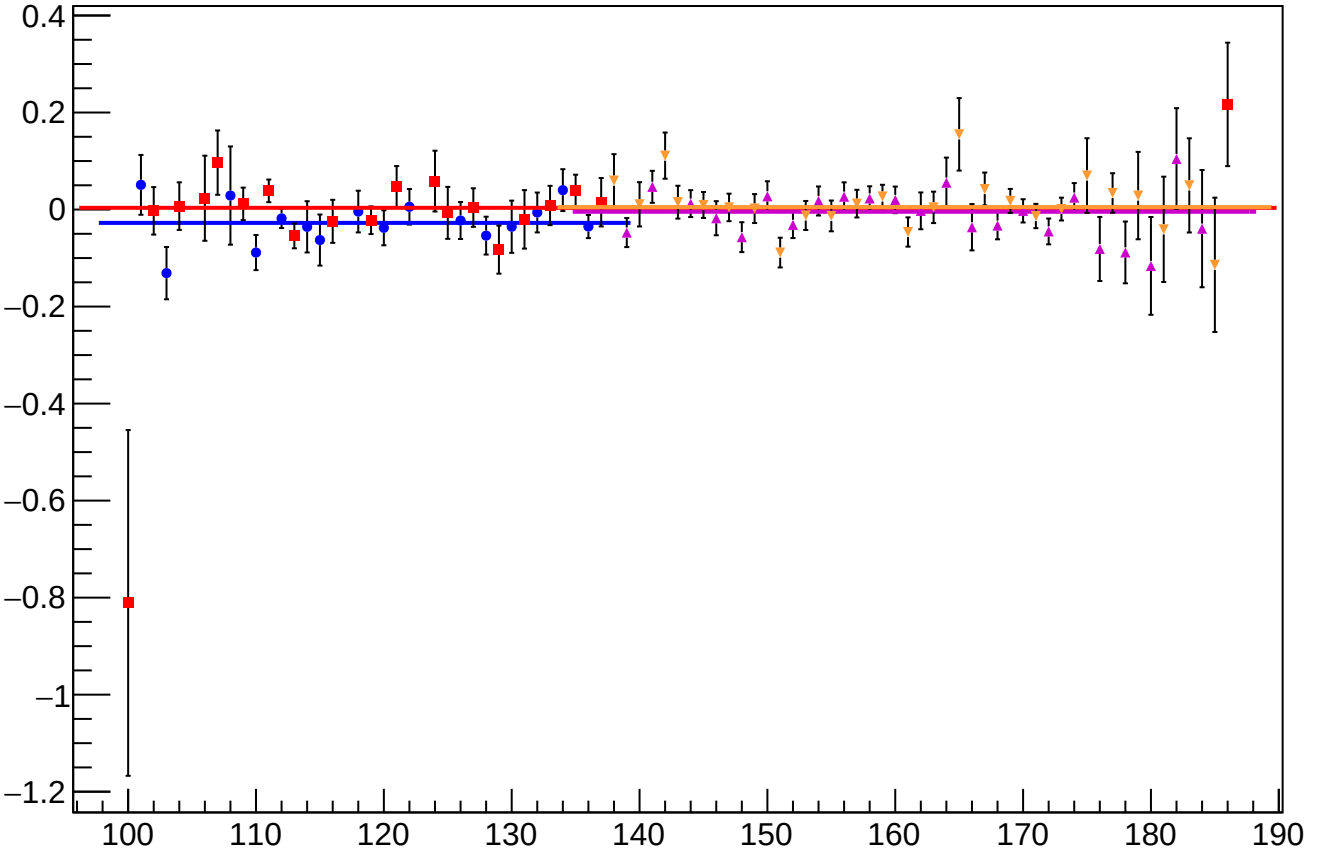
Right: 0.000+/-0.000 χ^2/NDF: 3521343.1/35

In: 0.000+/-0.000 χ^2/NDF:4691671.6/38

Out: 0.000+/-0.000 χ^2/NDF:5259654.7/44

All: 0.000+/-0.000 χ^2/NDF: 9978988.9/83

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-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

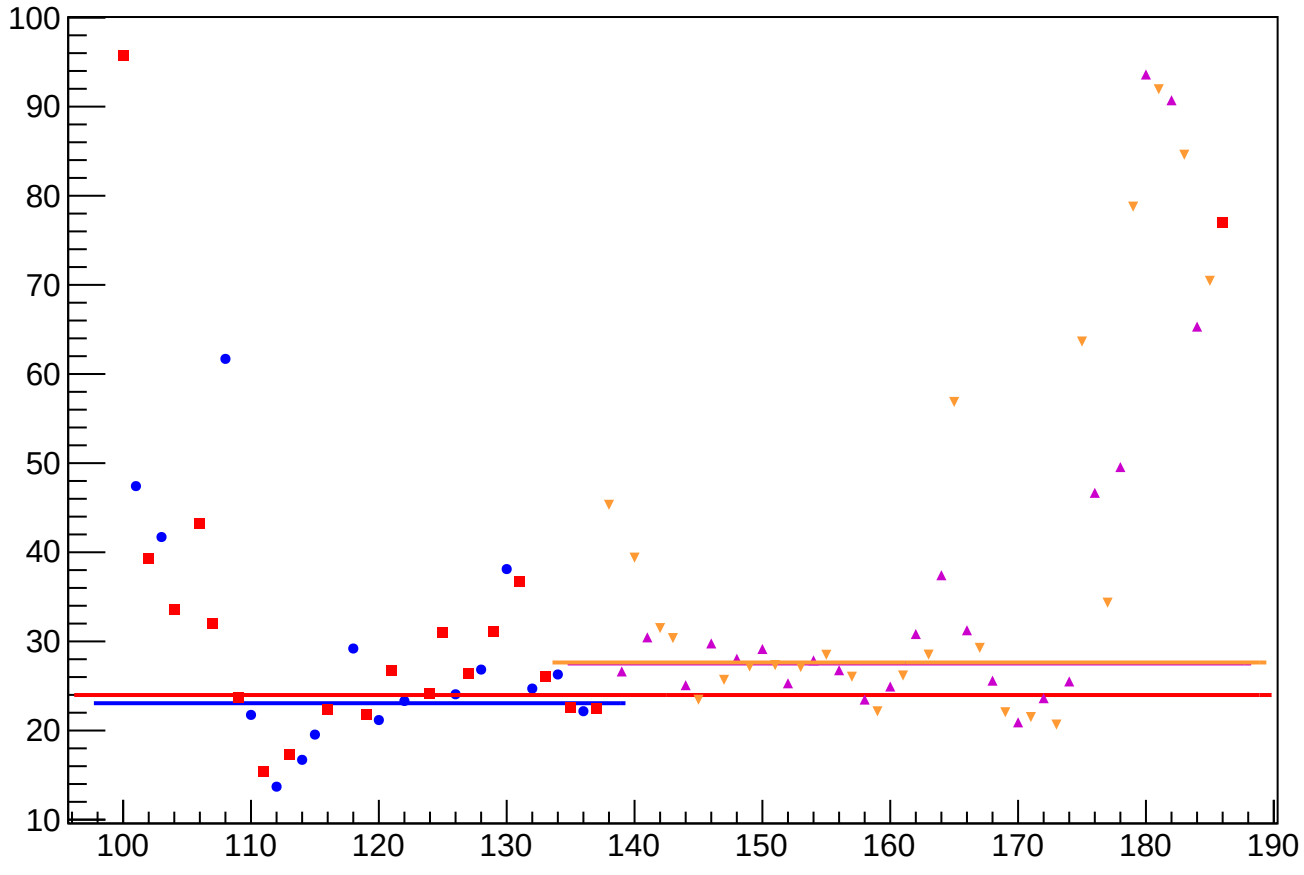
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.007 χ^2/NDF: 44.1/35

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 100.8/83



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

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

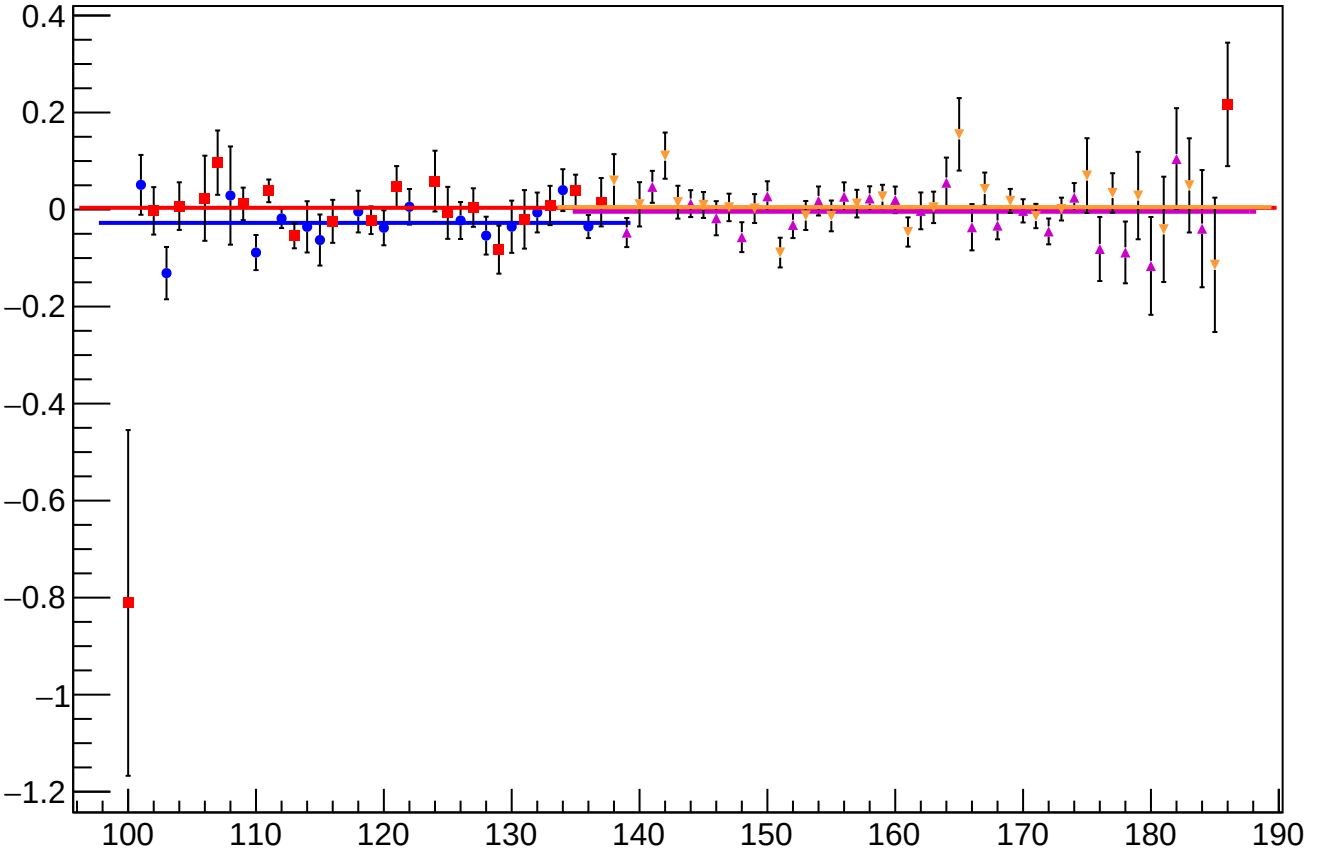
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 23.532+/-0.005 χ^2/NDF: 3011626.1/35

In: 25.938+/-0.004 χ^2/NDF:4489227.9/38

Out: 26.346+/-0.004 χ^2/NDF:5612175.8/44

All: 26.145+/-0.003 χ^2/NDF: 10106791.7/83



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

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

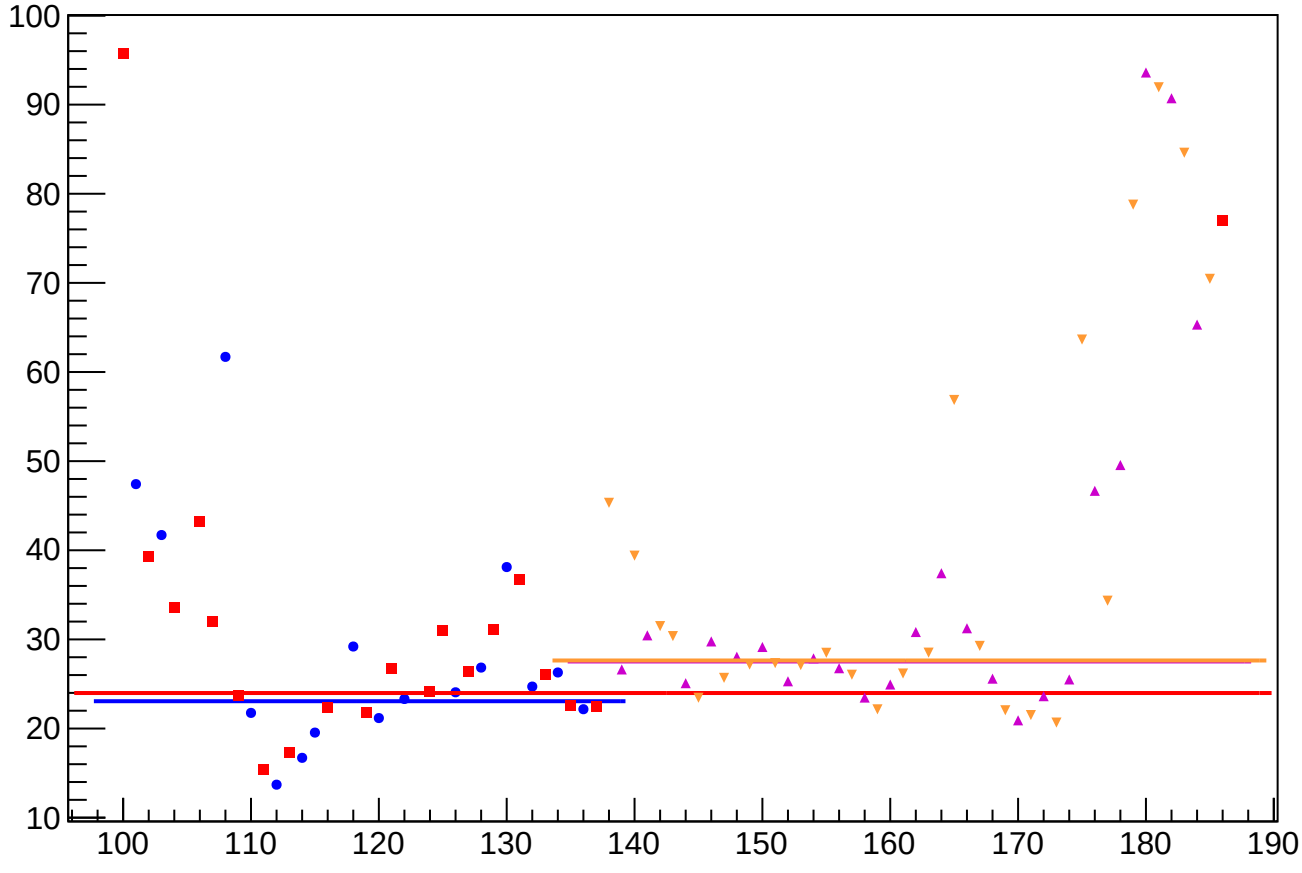
Right: -0.012+/-0.007 χ^2/NDF: 44.1/35

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 100.8/83

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

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

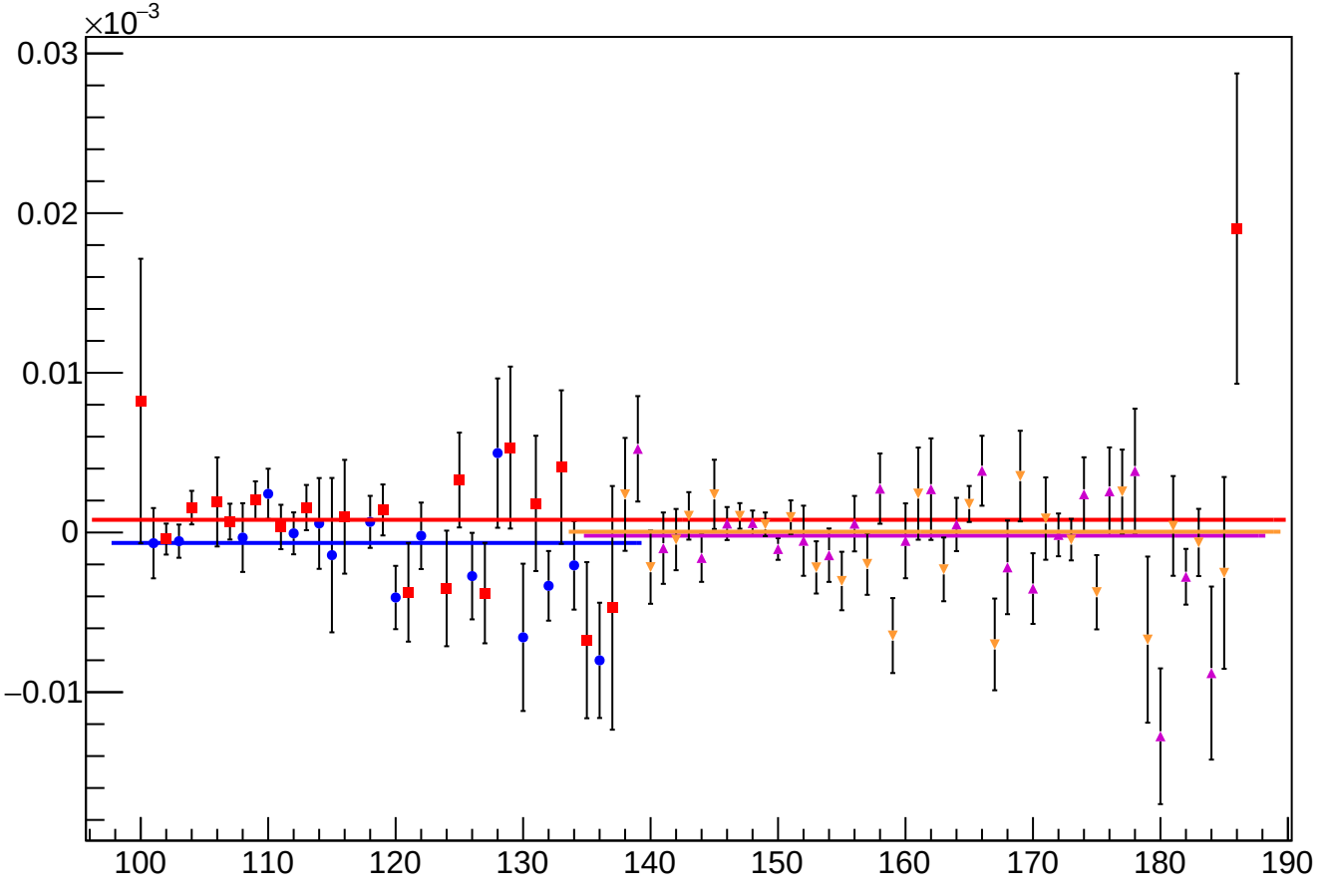
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 23.532+/-0.005 χ^2/NDF: 3011626.1/35

In: 25.938+/-0.004 χ^2/NDF:4489227.9/38

Out: 26.346+/-0.004 χ^2/NDF:5612175.8/44

All: 26.145+/-0.003 χ^2/NDF: 10106791.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

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

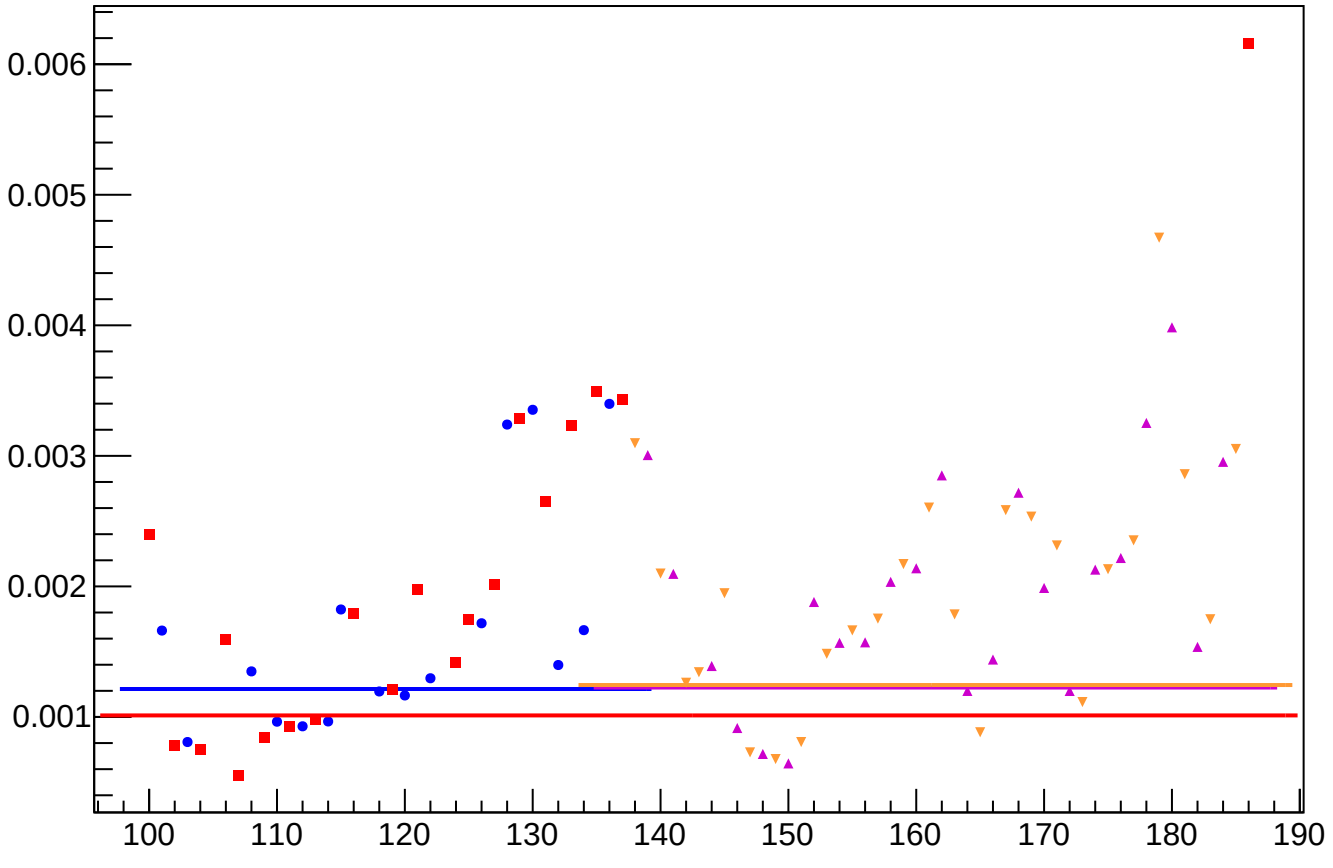
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.2/35

In: -0.000+/-0.000 χ^2/NDF:51.4/38

Out: 0.000+/-0.000 χ^2/NDF:57.7/44

All: 0.000+/-0.000 χ^2/NDF: 112.2/83



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

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

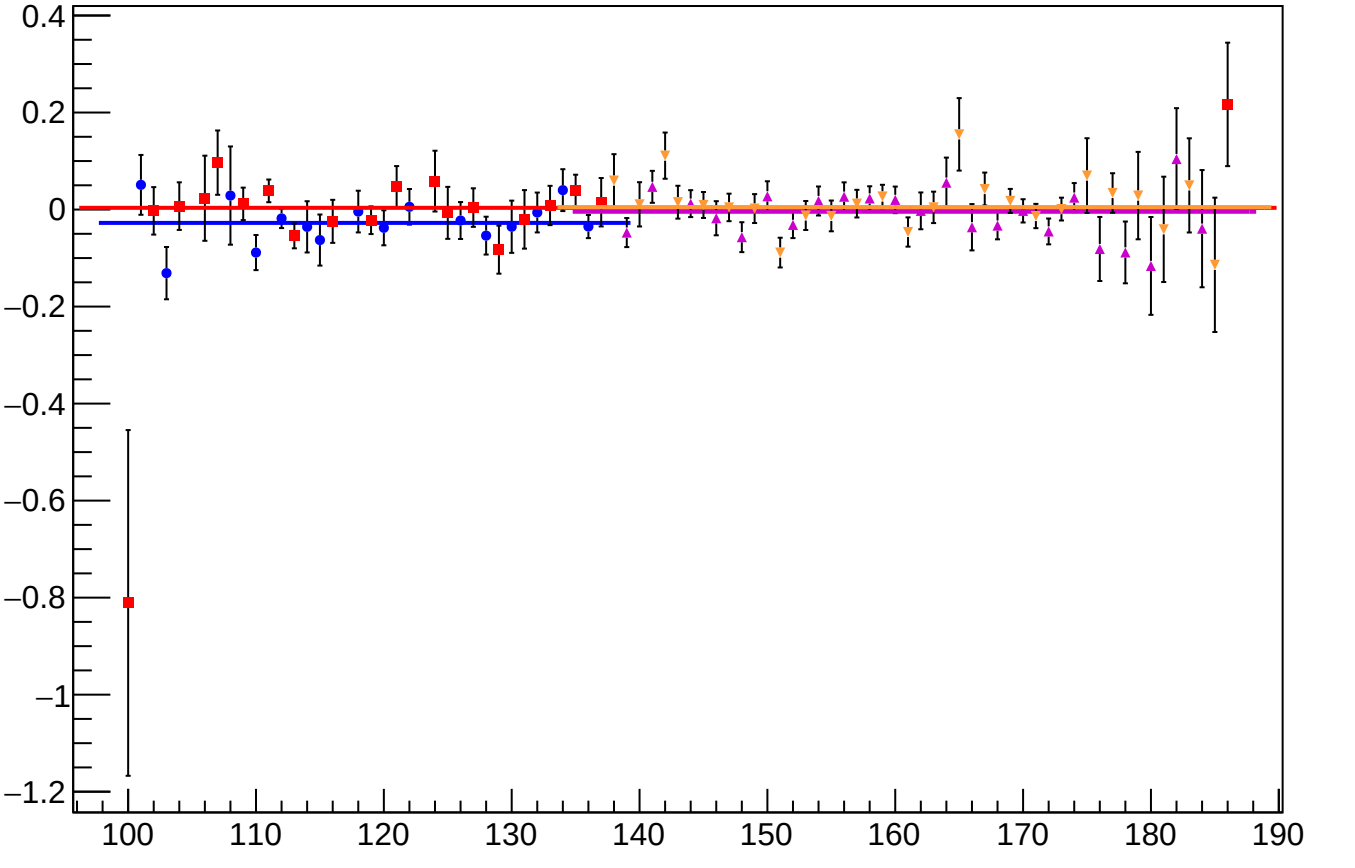
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 6299519.2/35

In: 0.001+/-0.000 χ^2/NDF:10090945.2/38

Out: 0.001+/-0.000 χ^2/NDF:12566208.6/44

All: 0.001+/-0.000 χ^2/NDF: 22716194.5/83



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

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

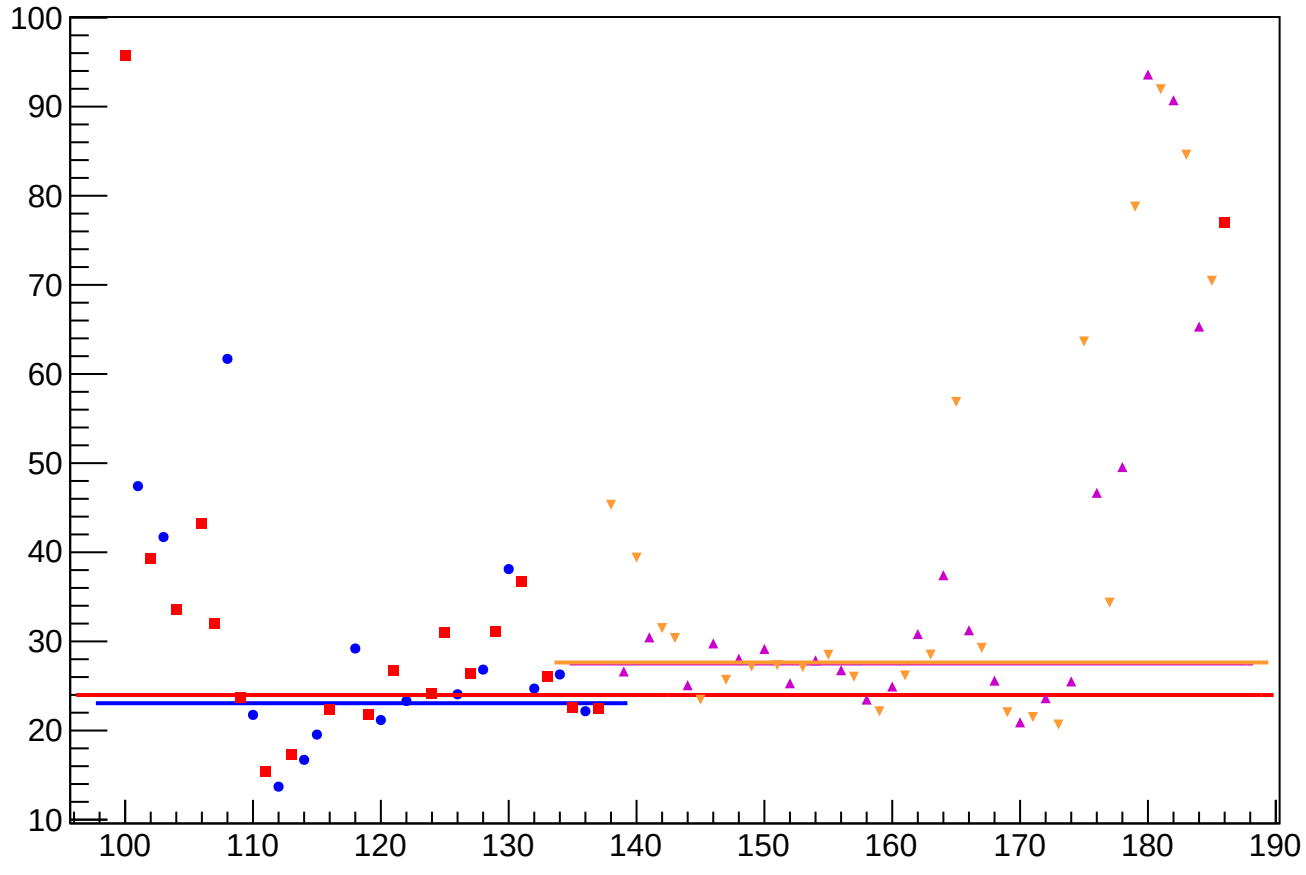
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.007 χ^2/NDF: 44.1/35

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 100.8/83



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

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

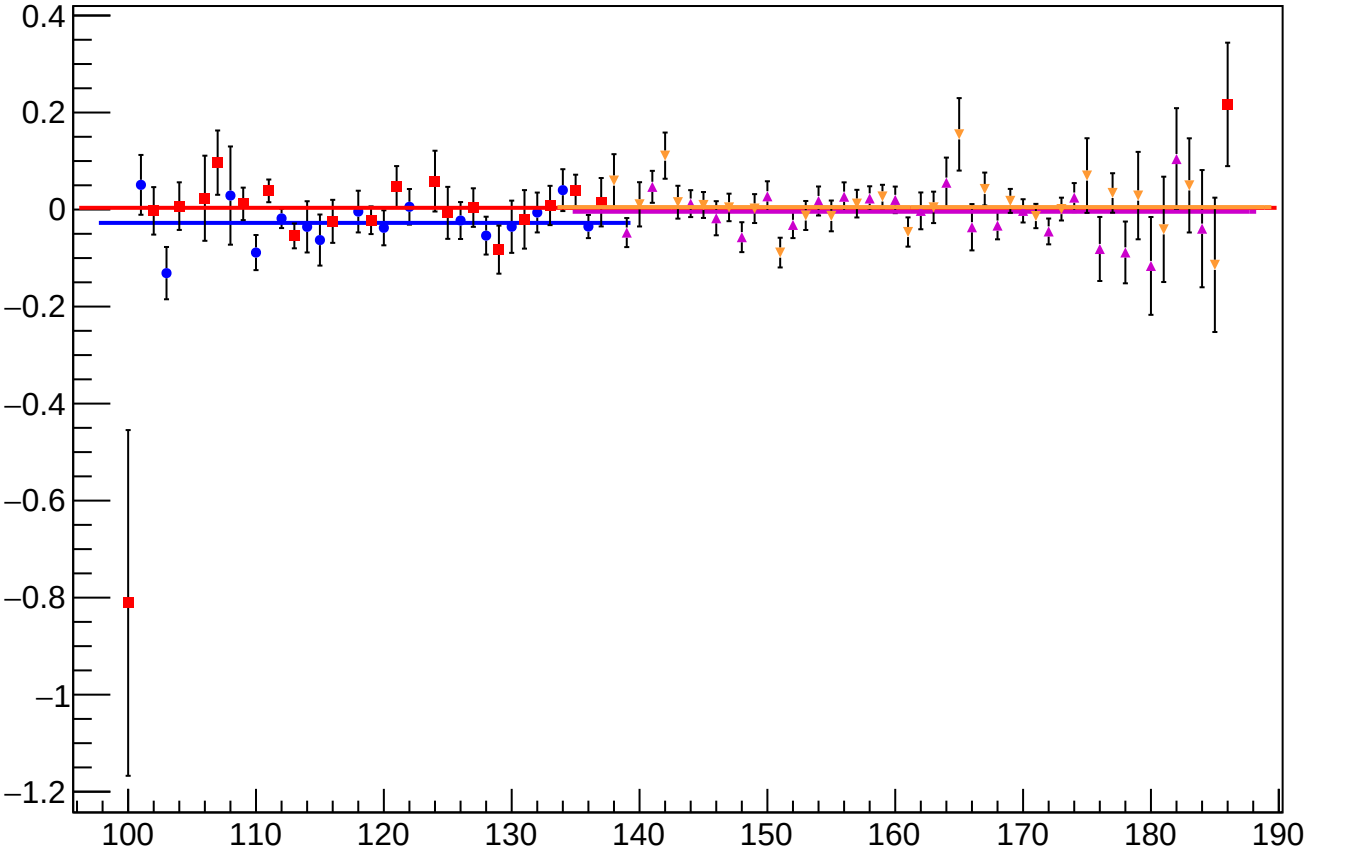
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 23.531+/-0.005 χ^2/NDF: 3011698.4/35

In: 25.938+/-0.004 χ^2/NDF:4489262.6/38

Out: 26.346+/-0.004 χ^2/NDF:5612239.9/44

All: 26.145+/-0.003 χ^2/NDF: 10106892.3/83



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

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

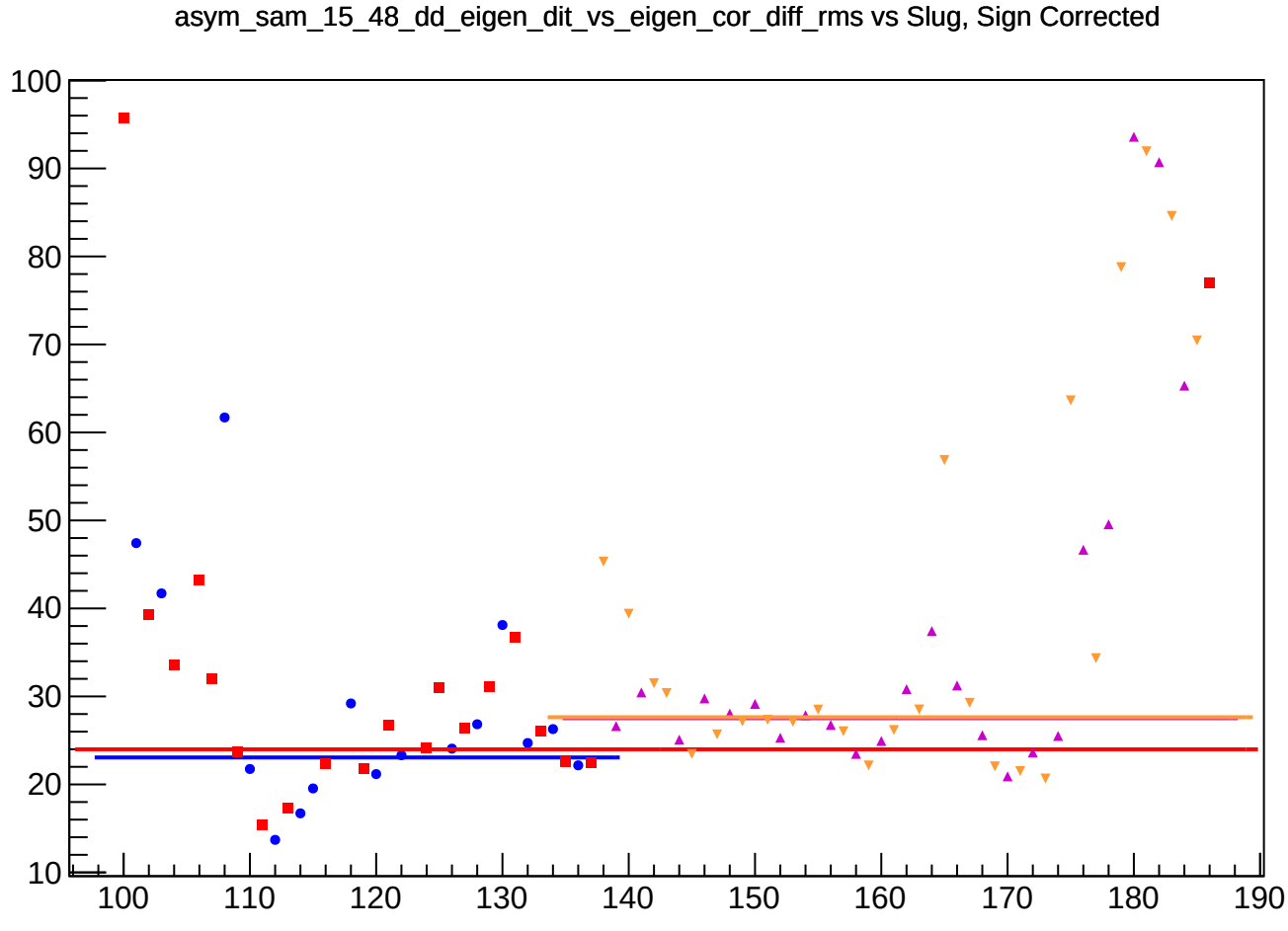
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.007 χ^2/NDF: 44.1/35

In: -0.013+/-0.006 χ^2/NDF:42.6/38

Out: 0.005+/-0.006 χ^2/NDF:53.4/44

All: -0.004+/-0.004 χ^2/NDF: 100.8/83



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

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

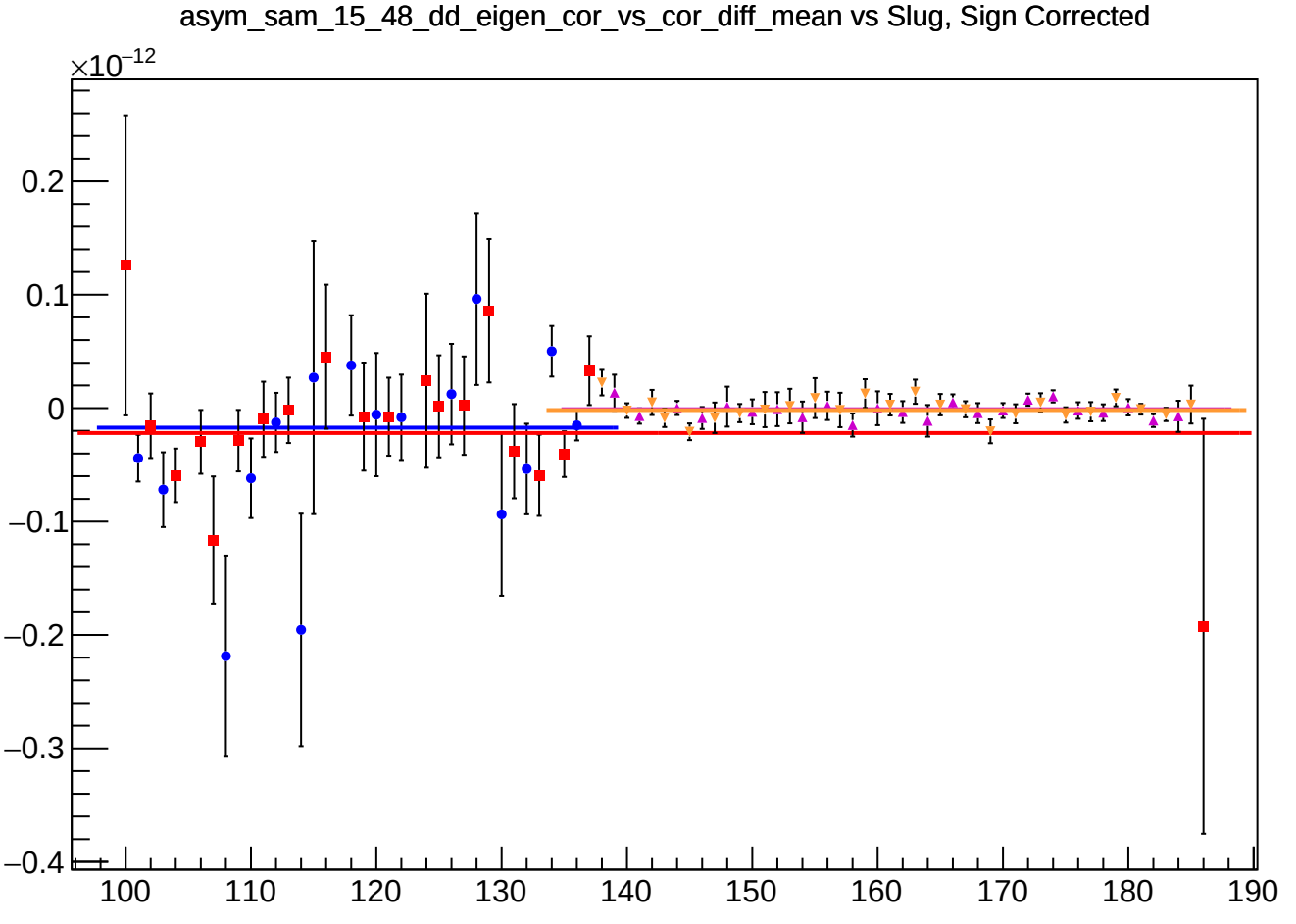
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 23.531+/-0.005 χ^2/NDF: 3011698.4/35

In: 25.938+/-0.004 χ^2/NDF:4489262.6/38

Out: 26.346+/-0.004 χ^2/NDF:5612239.9/44

All: 26.145+/-0.003 χ^2/NDF: 10106892.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

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

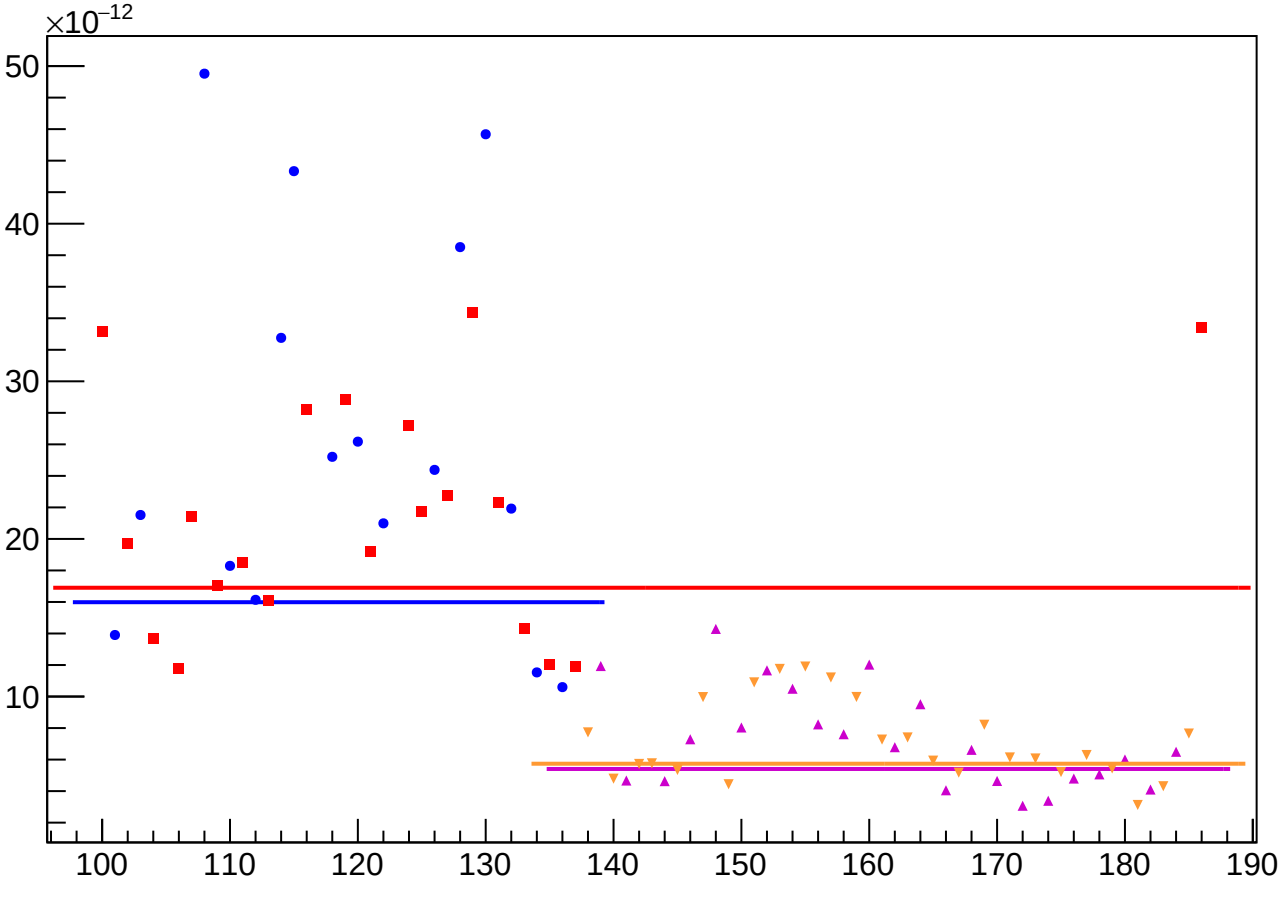
Right: -0.000+/-0.000 χ^2/NDF: 48.9/35

In: -0.000+/-0.000 χ^2/NDF:50.5/38

Out: -0.000+/-0.000 χ^2/NDF:49.6/44

All: -0.000+/-0.000 χ^2/NDF: 100.2/83

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 851986.4/19

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

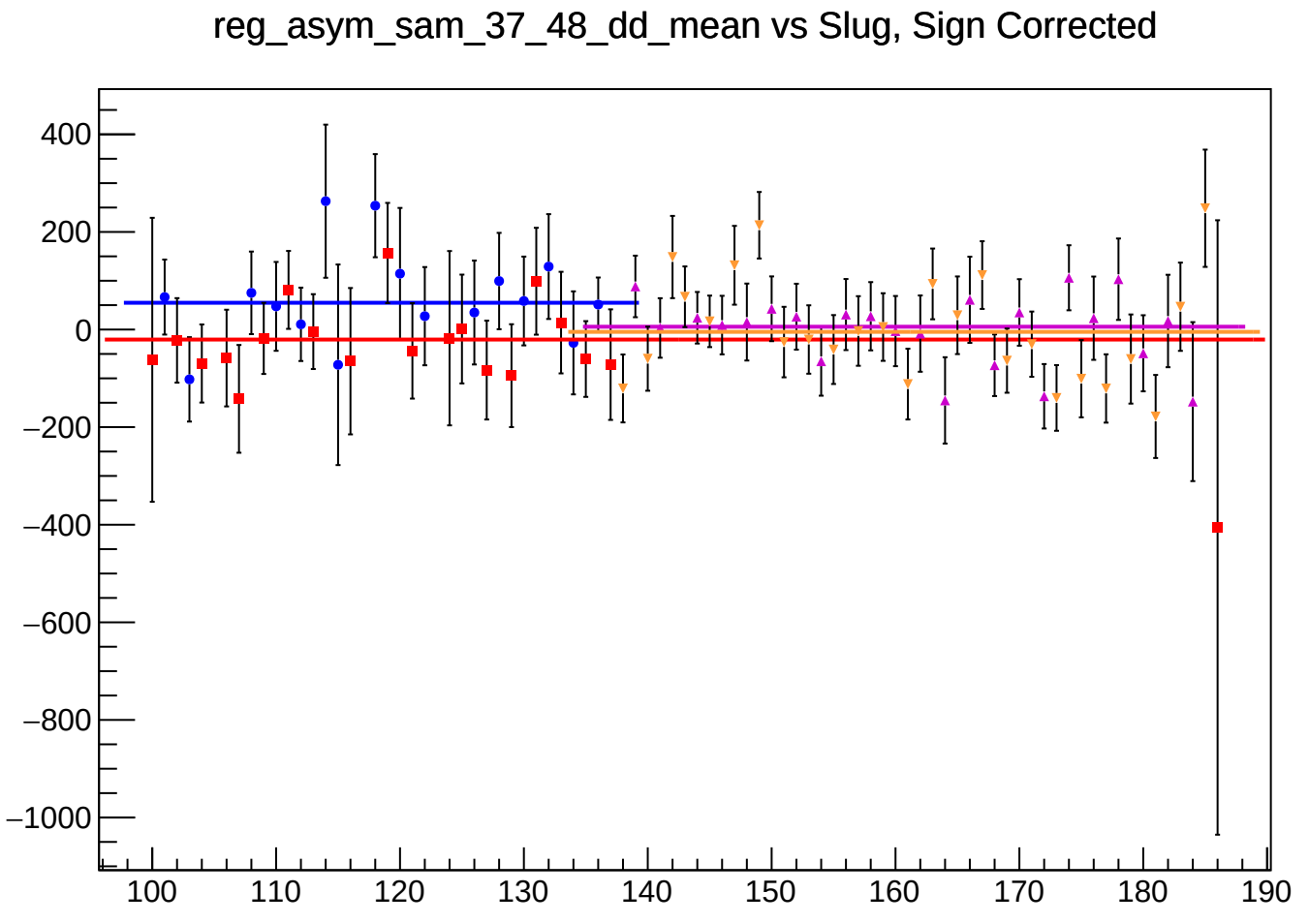
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

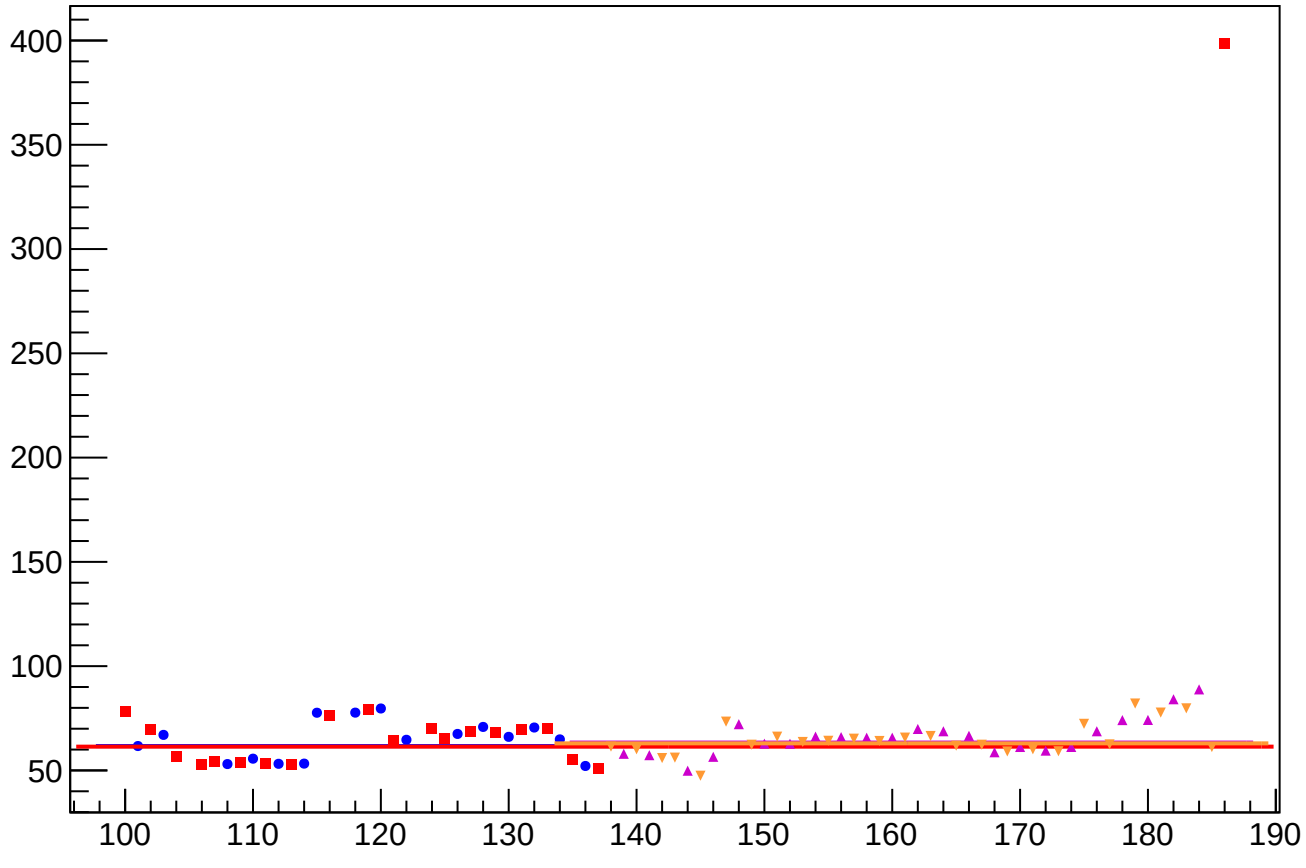
Right: 0.000+/-0.000 χ^2/NDF: 2630345.5/35

In: 0.000+/-0.000 χ^2/NDF:8781692.5/38

Out: 0.000+/-0.000 χ^2/NDF:7324744.4/44

All: 0.000+/-0.000 χ^2/NDF: 16149156.9/83


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: -4.742+/-14.432 χ²/NDF:47.4/24
Right Out: -20.515+/-22.557 χ²/NDF: 9.6/19
Left In: 5.776+/-14.931 χ²/NDF:18.3/22
Left: 0.338+/-10.377 χ²/NDF: 65.9/47
Right: 16.159+/-16.165 χ²/NDF: 26.1/35
In: 20.177+/-12.552 χ²/NDF:32.5/38
Out: -9.323+/-12.156 χ²/NDF:57.3/44
All: 4.955+/-8.732 χ²/NDF: 92.6/83



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

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

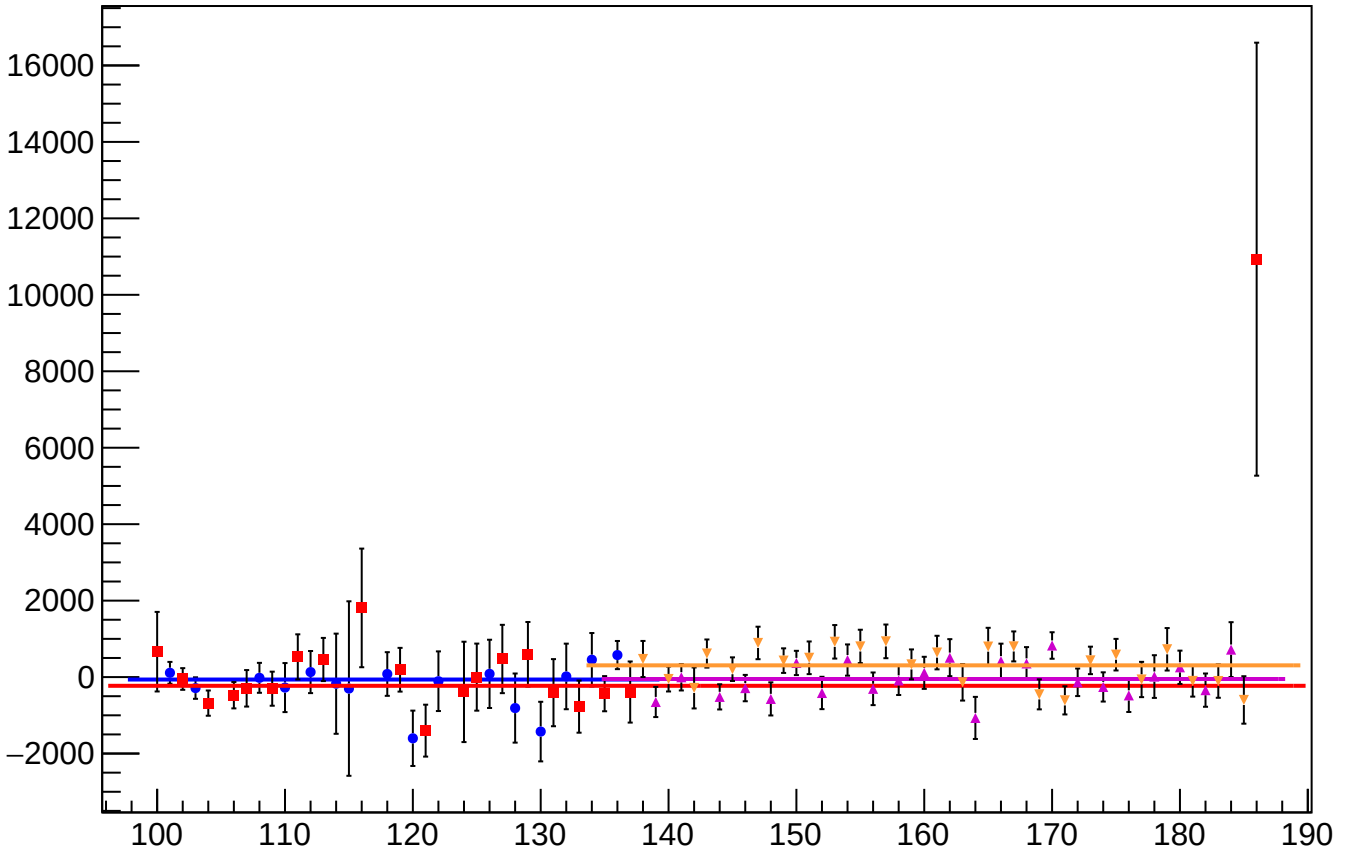
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.533+/-0.011 χ^2/NDF: 1125601.8/35

In: 62.869+/-0.009 χ^2/NDF:771570.4/38

Out: 62.518+/-0.009 χ^2/NDF:1392141.6/44

All: 62.688+/-0.006 χ^2/NDF: 2164517.8/83



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

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

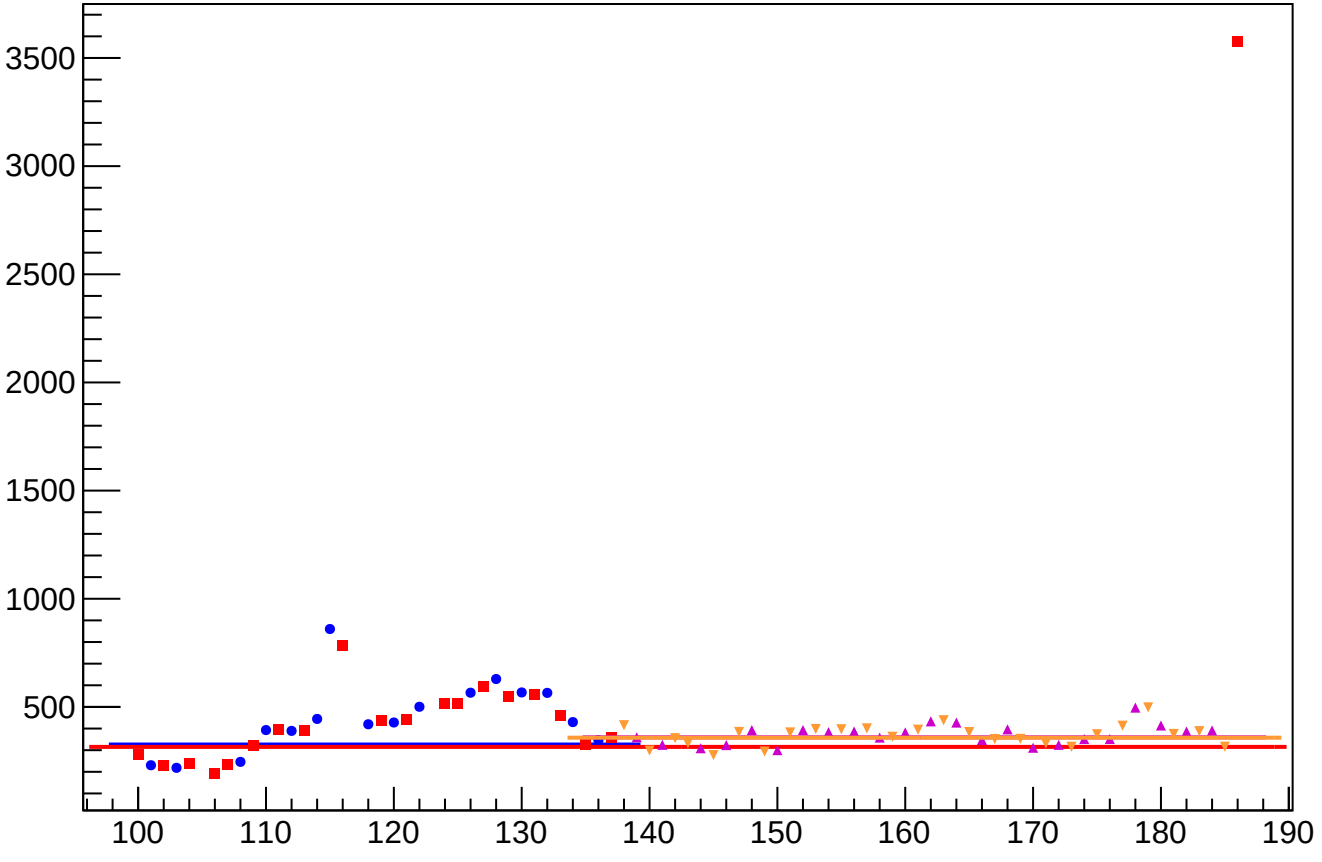
Right: -150.388+/-89.149 χ^2/NDF: 32.4/35

In: -54.168+/-70.994 χ^2/NDF:40.5/38

Out: 141.077+/-68.395 χ^2/NDF:62.1/44

All: 47.094+/-49.256 χ^2/NDF: 106.5/83

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 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

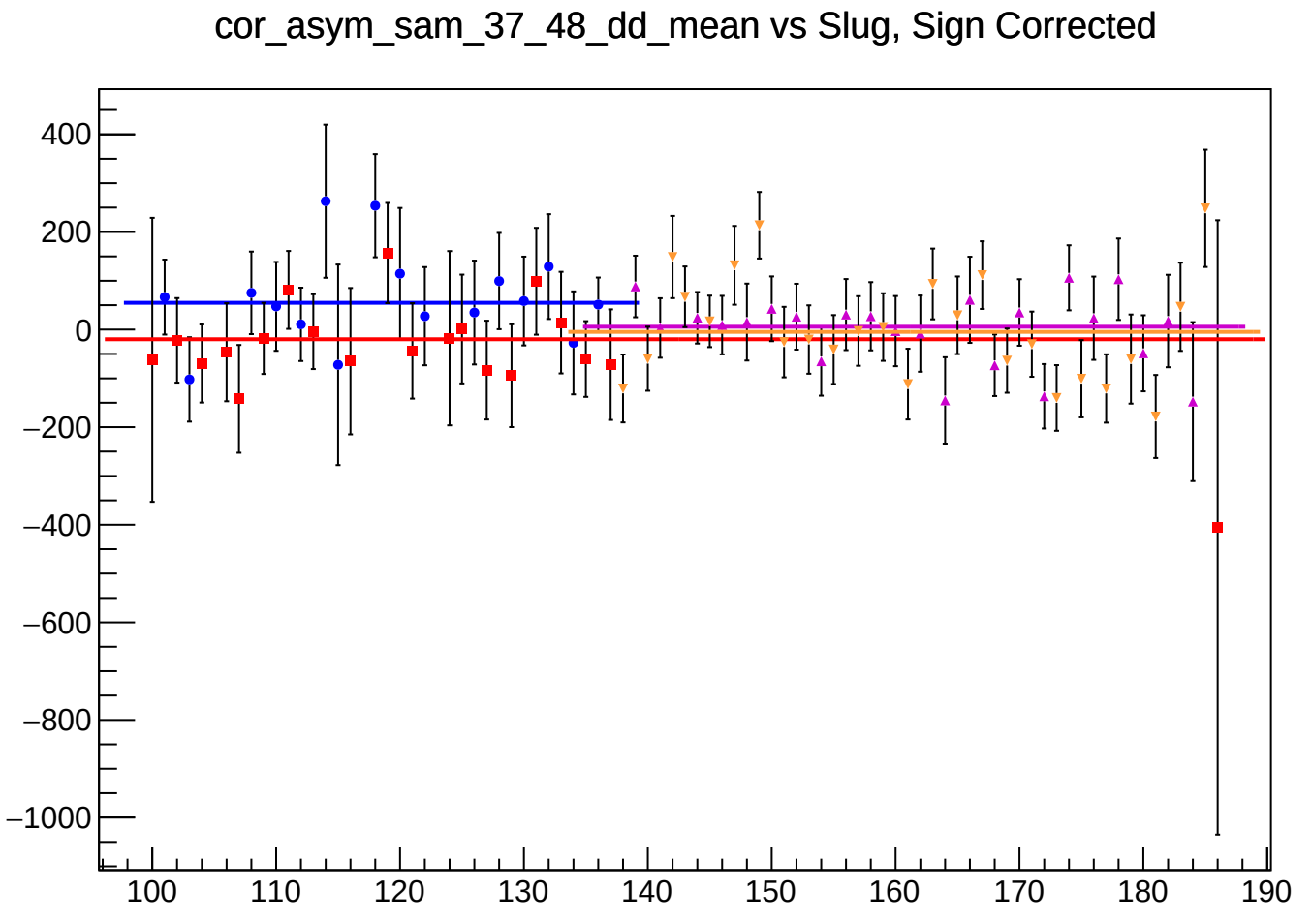
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 320.377+/-0.063 χ^2/NDF: 4192112.1/35

In: 349.398+/-0.050 χ^2/NDF:2345573.4/38

Out: 344.531+/-0.048 χ^2/NDF:3299845.9/44

All: 346.874+/-0.035 χ^2/NDF: 5650293.7/83



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

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

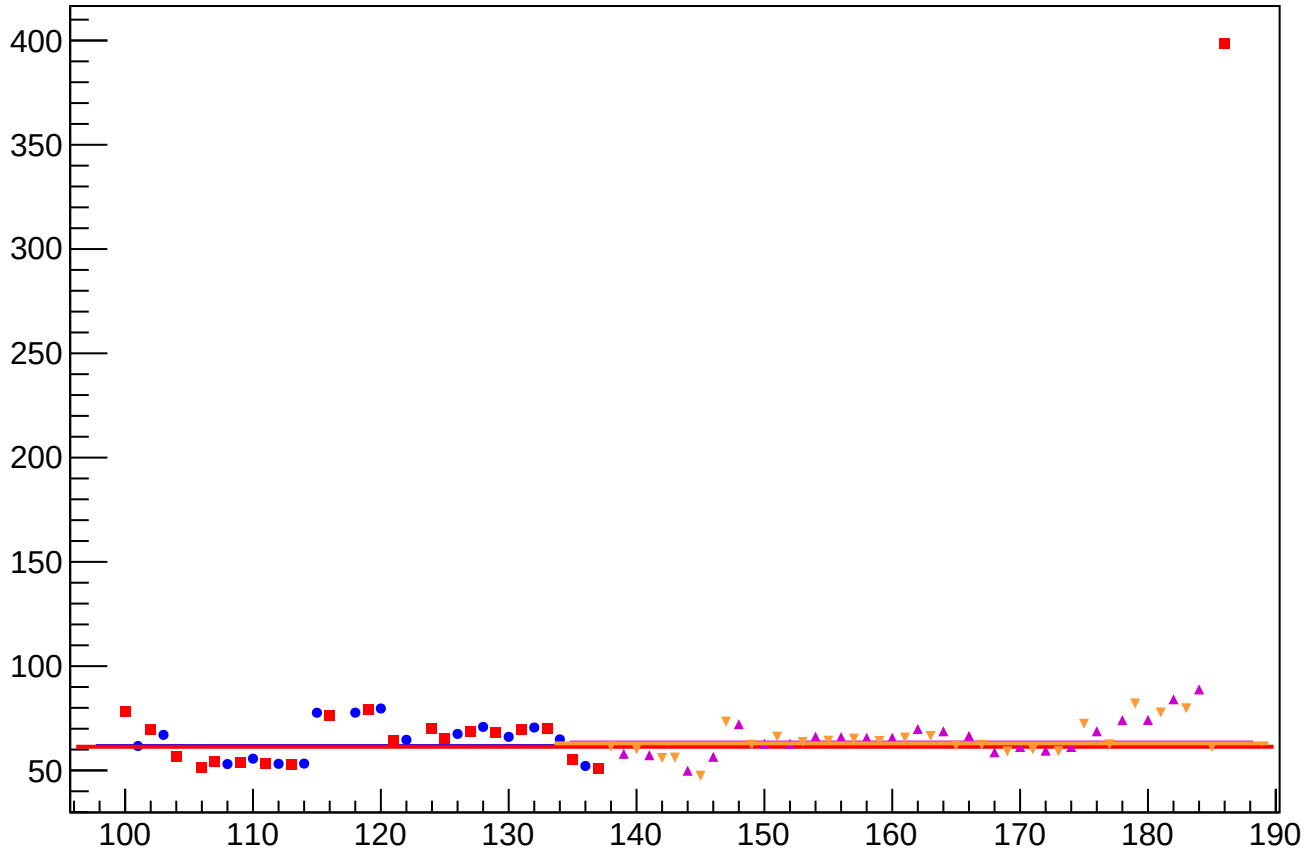
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 16.525+/-16.171 χ^2/NDF: 25.9/35

In: 20.175+/-12.552 χ^2/NDF:32.5/38

Out: -9.129+/-12.159 χ^2/NDF:57.2/44

All: 5.057+/-8.733 χ^2/NDF: 92.5/83



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

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

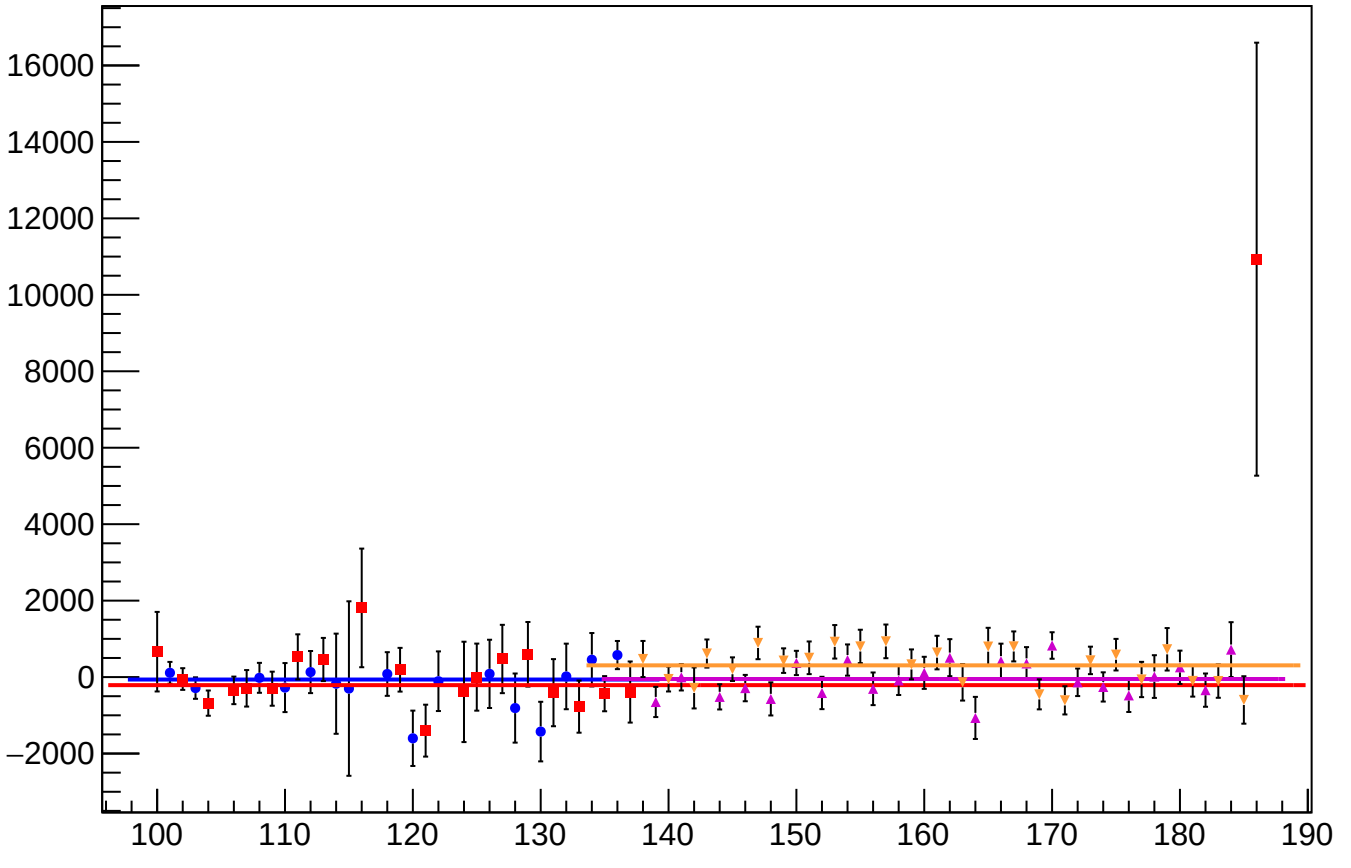
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.512+/-0.011 χ^2/NDF: 1129181.0/35

In: 62.869+/-0.009 χ^2/NDF:771570.6/38

Out: 62.507+/-0.009 χ^2/NDF:1396025.7/44

All: 62.682+/-0.006 χ^2/NDF: 2168454.0/83



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

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

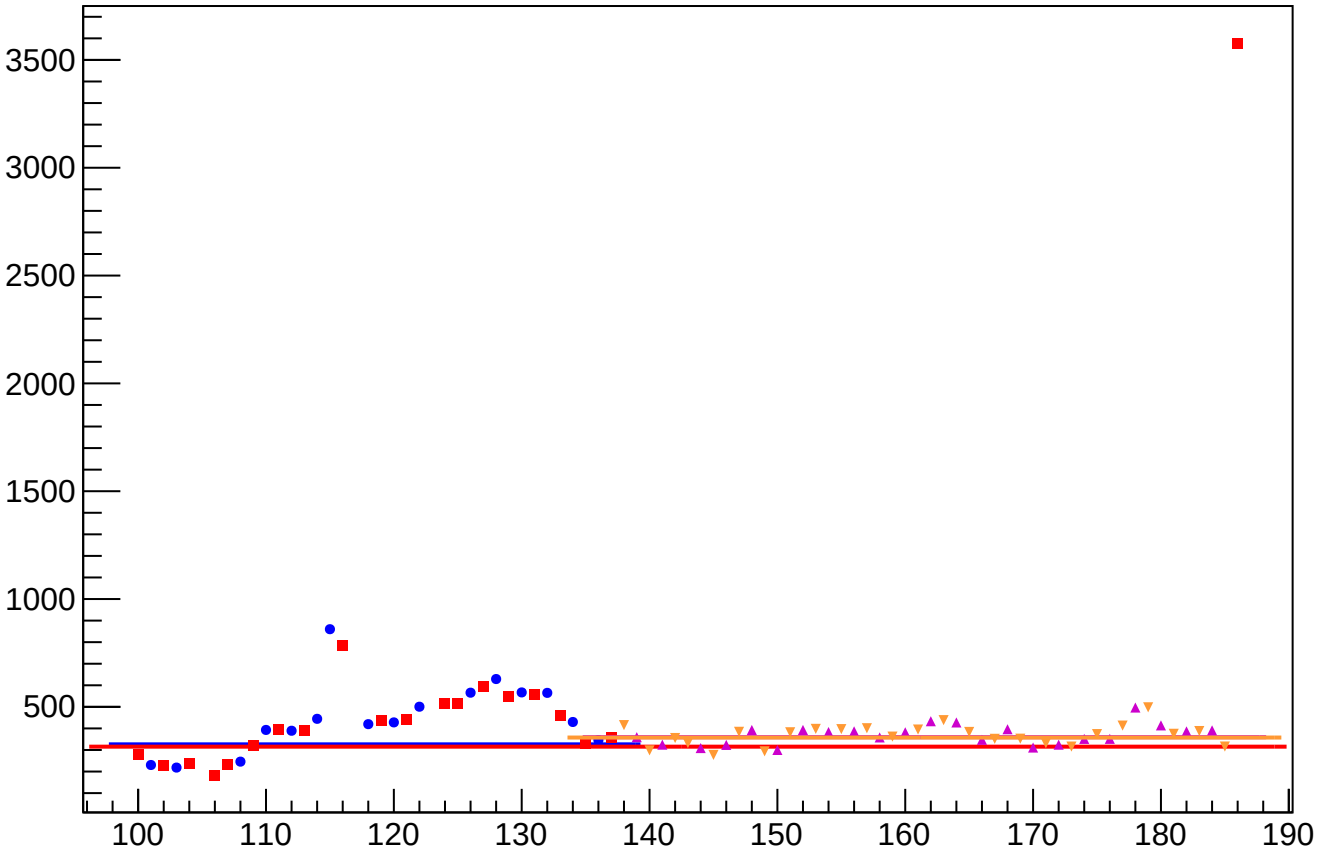
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -140.818+/-89.417 χ^2/NDF: 31.8/35

In: -54.162+/-70.994 χ^2/NDF:40.5/38

Out: 147.714+/-68.515 χ^2/NDF:60.8/44

All: 50.362+/-49.301 χ^2/NDF: 105.4/83



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

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

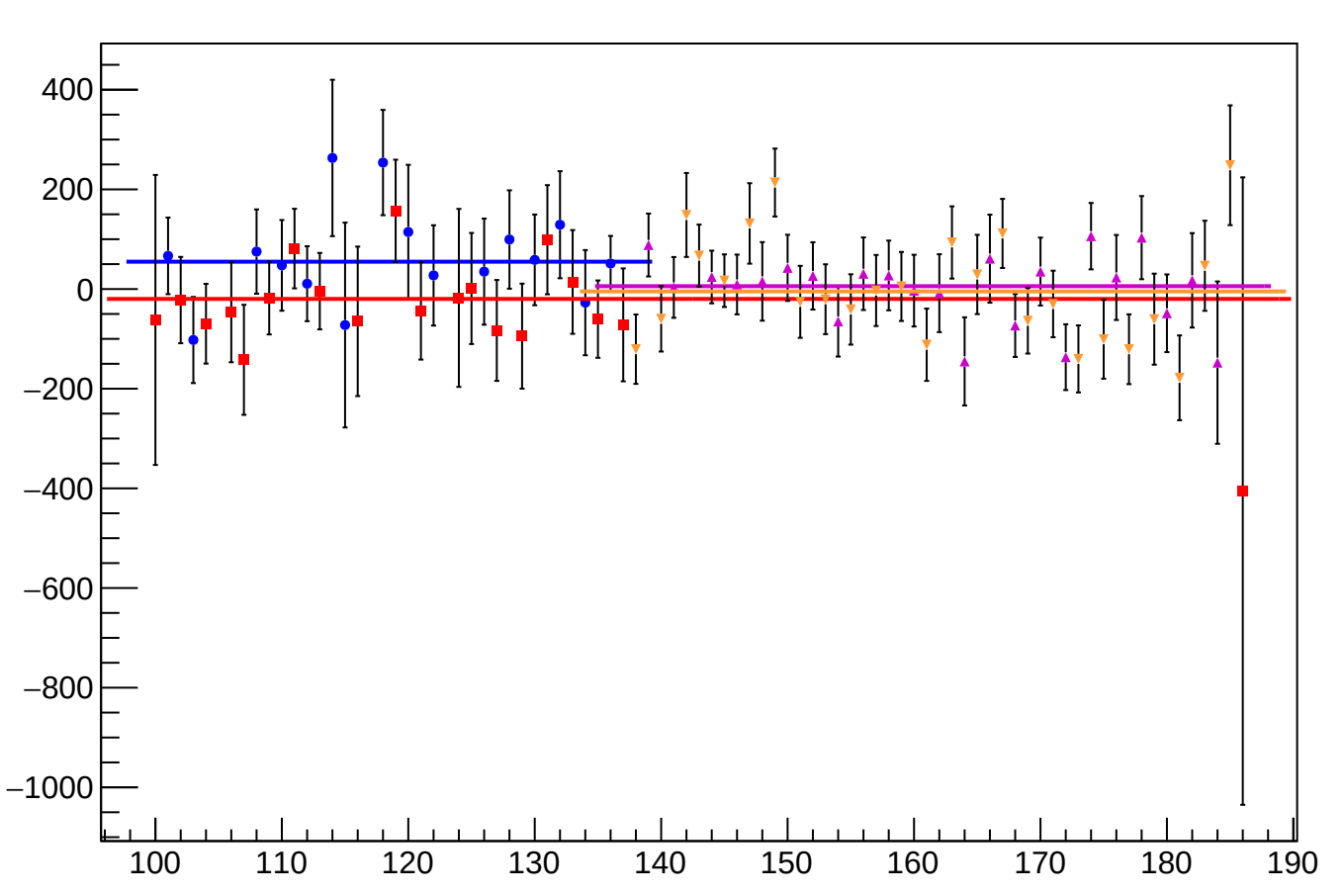
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 320.517+/-0.063 χ^2/NDF: 4210087.5/35

In: 349.399+/-0.050 χ^2/NDF:2345498.9/38

Out: 344.698+/-0.048 χ^2/NDF:3315310.8/44

All: 346.965+/-0.035 χ^2/NDF: 5665349.9/83



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

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

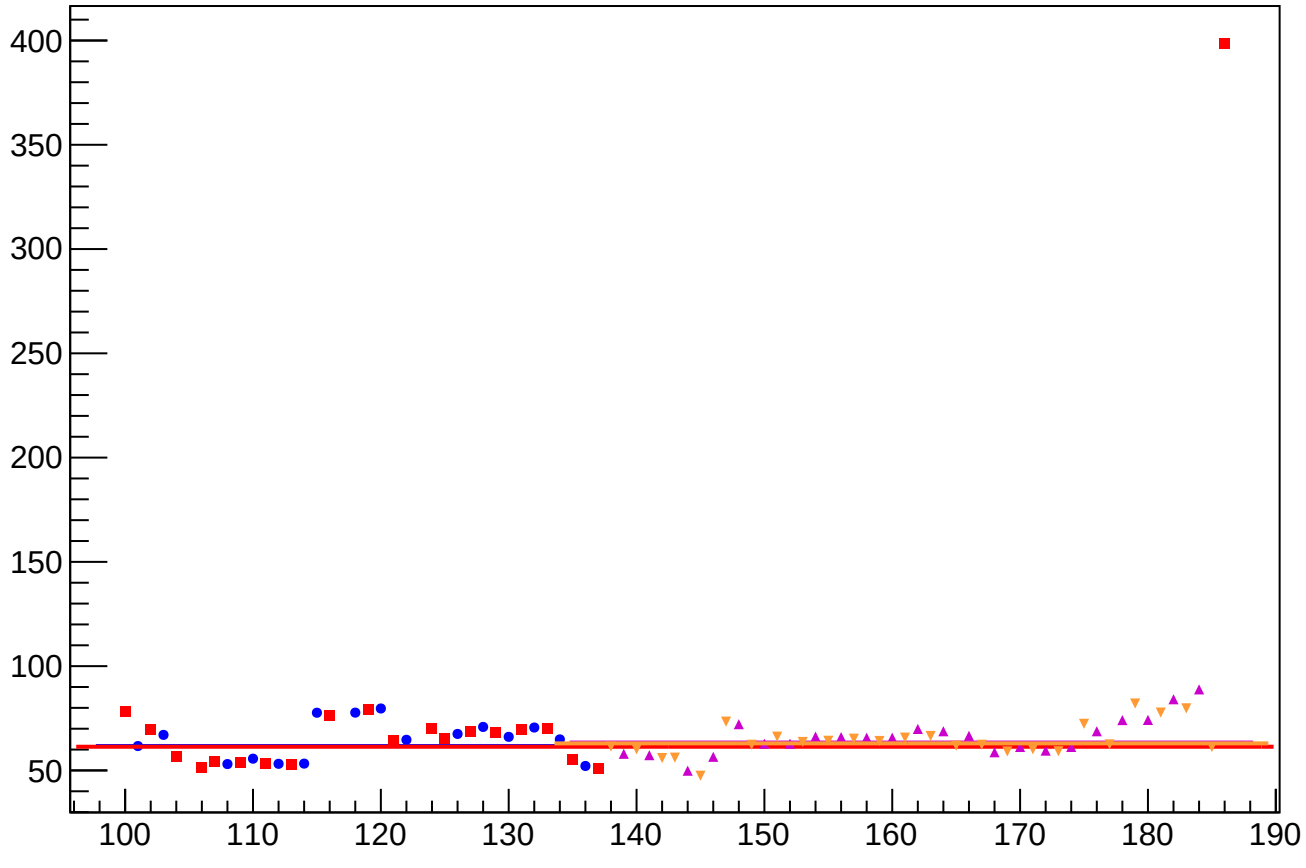
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 16.525+/-16.171 χ^2/NDF: 25.9/35

In: 20.175+/-12.552 χ^2/NDF:32.5/38

Out: -9.129+/-12.159 χ^2/NDF:57.2/44

All: 5.057+/-8.733 χ^2/NDF: 92.5/83



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

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

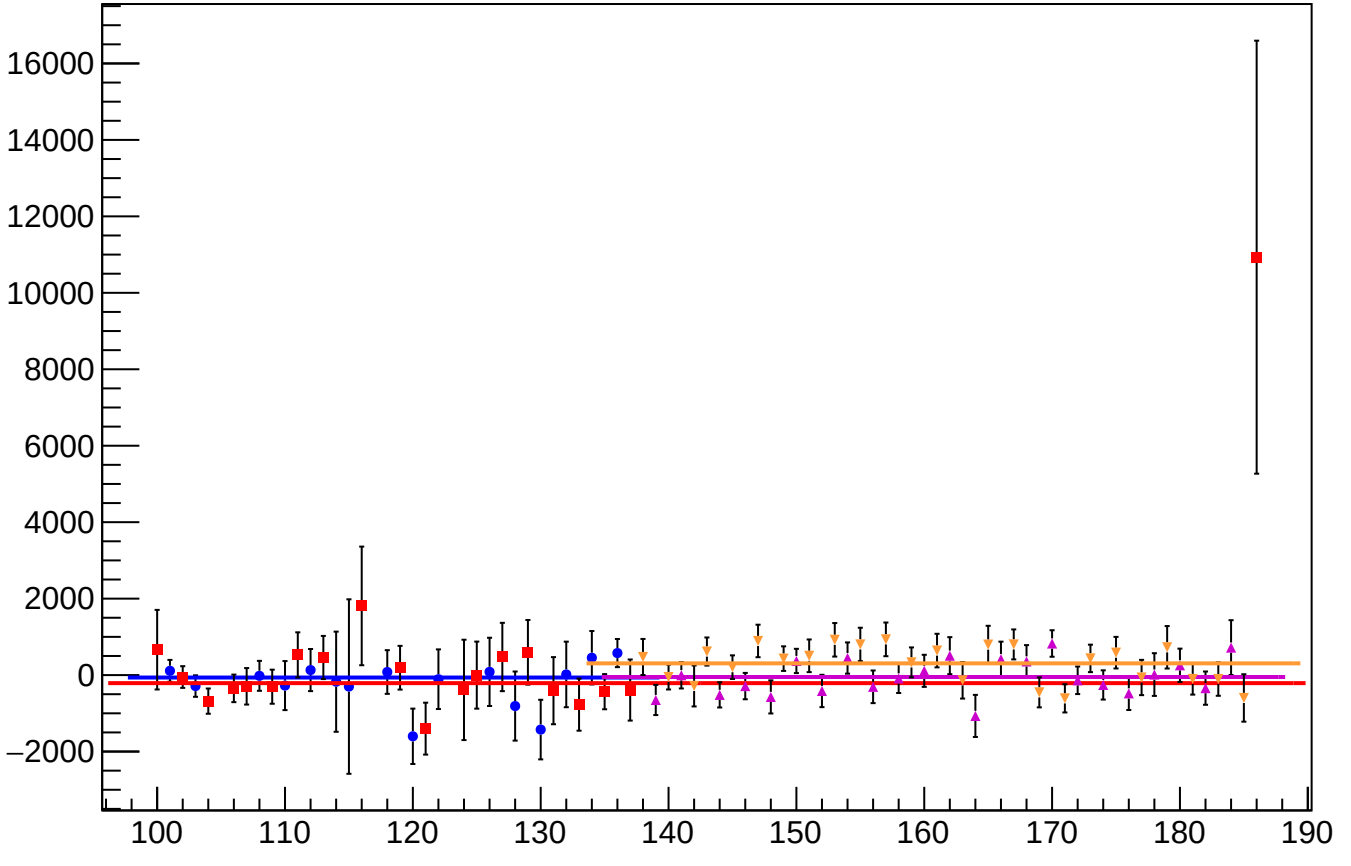
Right: 61.512+/-0.011 χ^2/NDF: 1129181.0/35

In: 62.869+/-0.009 χ^2/NDF:771570.6/38

Out: 62.507+/-0.009 χ^2/NDF:1396025.7/44

All: 62.682+/-0.006 χ^2/NDF: 2168454.0/83

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 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

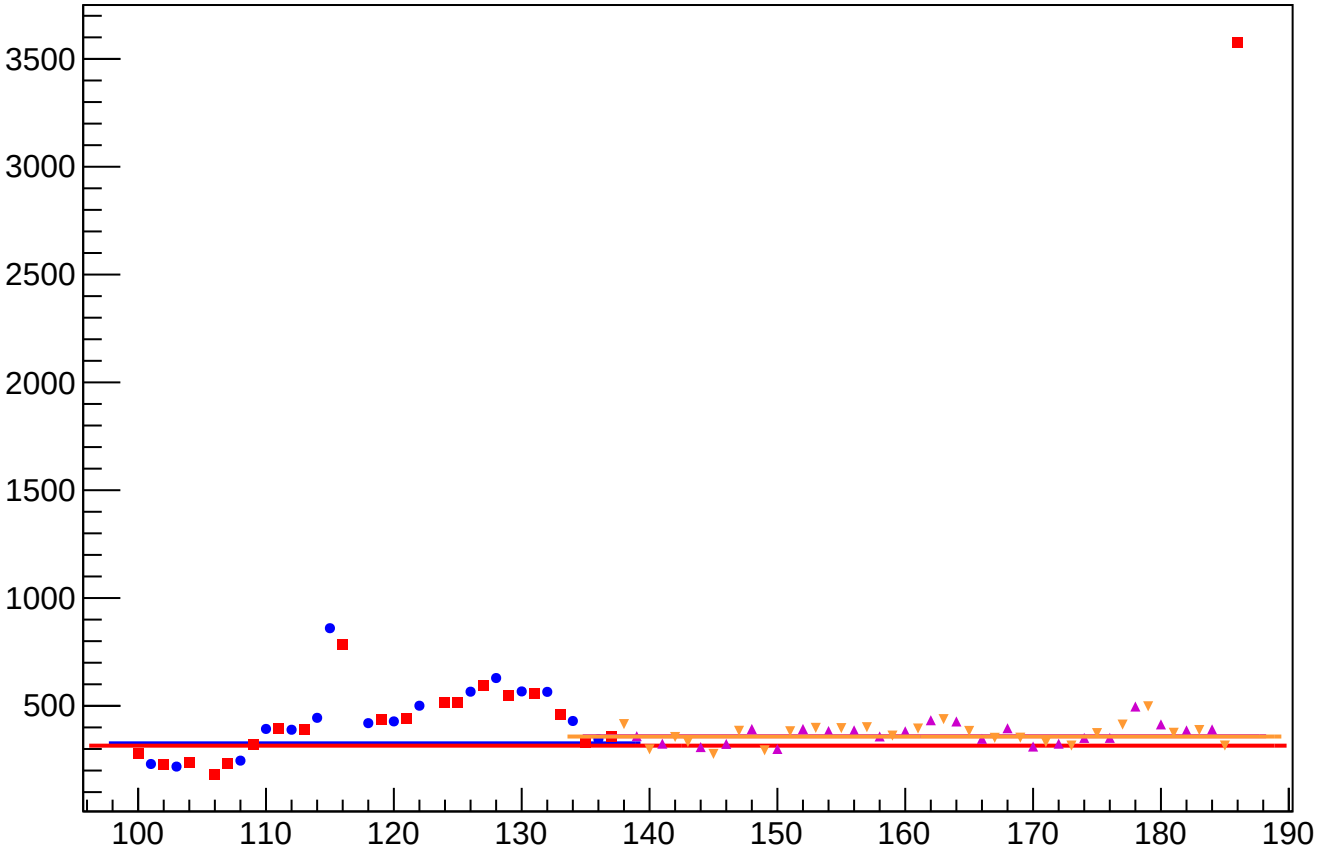
Right: -140.818+/-89.417 χ^2/NDF: 31.8/35

In: -54.162+/-70.994 χ^2/NDF:40.5/38

Out: 147.714+/-68.515 χ^2/NDF:60.8/44

All: 50.362+/-49.301 χ^2/NDF: 105.4/83

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 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

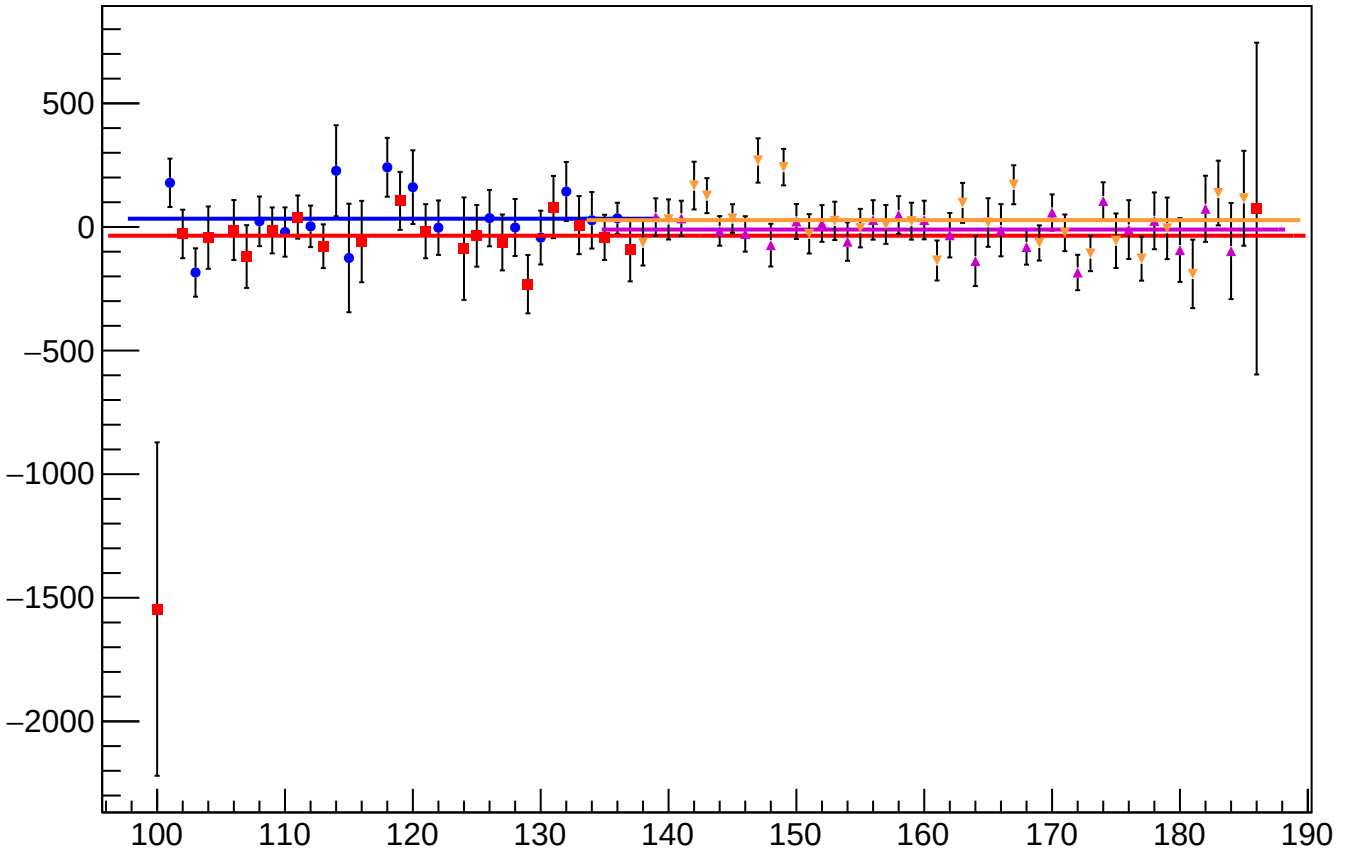
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 320.517+/-0.063 χ^2/NDF: 4210087.5/35

In: 349.399+/-0.050 χ^2/NDF:2345498.9/38

Out: 344.698+/-0.048 χ^2/NDF:3315310.8/44

All: 346.965+/-0.035 χ^2/NDF: 5665349.9/83



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

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

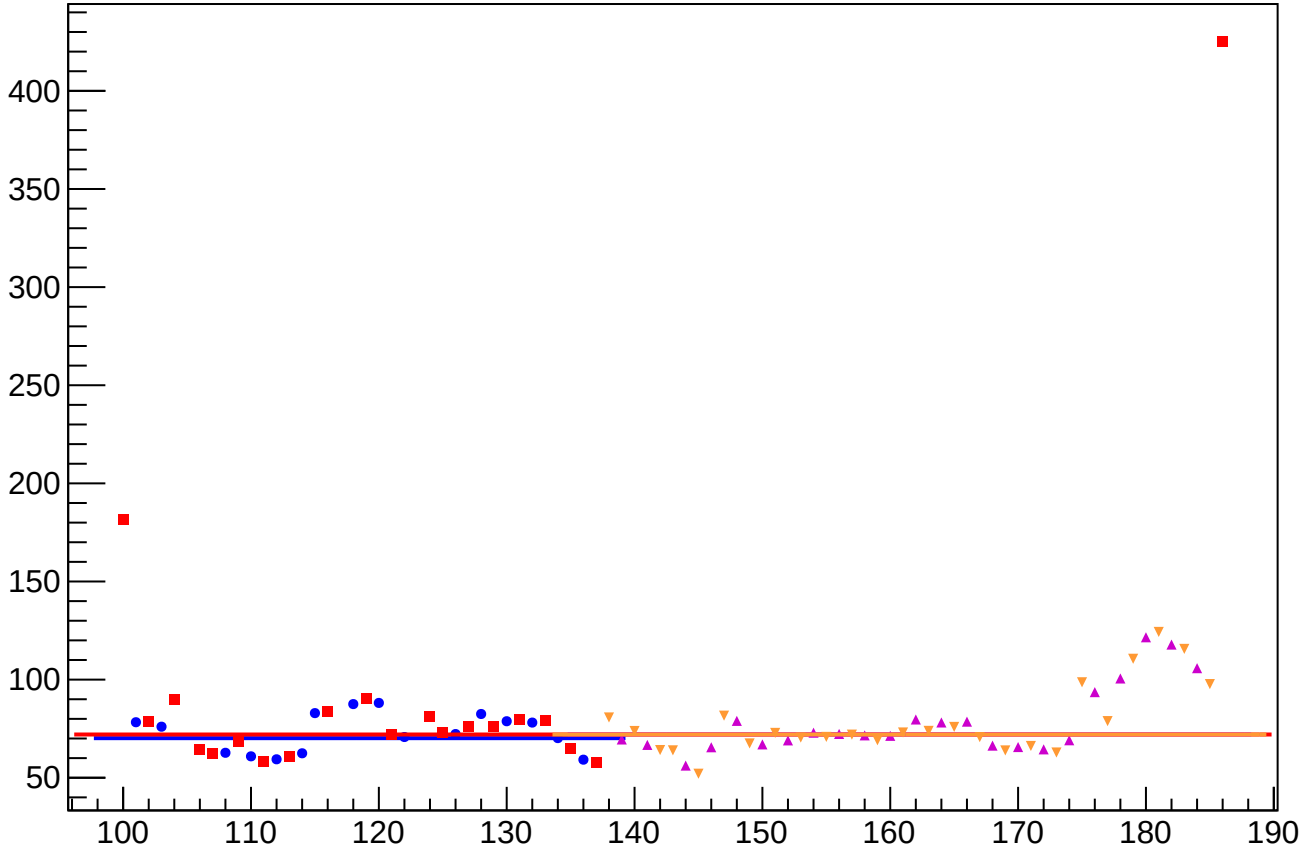
Right: -0.872+/-18.713 χ^2/NDF: 30.0/35

In: 2.583+/-14.428 χ^2/NDF:32.6/38

Out: 9.660+/-14.156 χ^2/NDF:58.5/44

All: 6.189+/-10.105 χ^2/NDF: 91.2/83

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 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

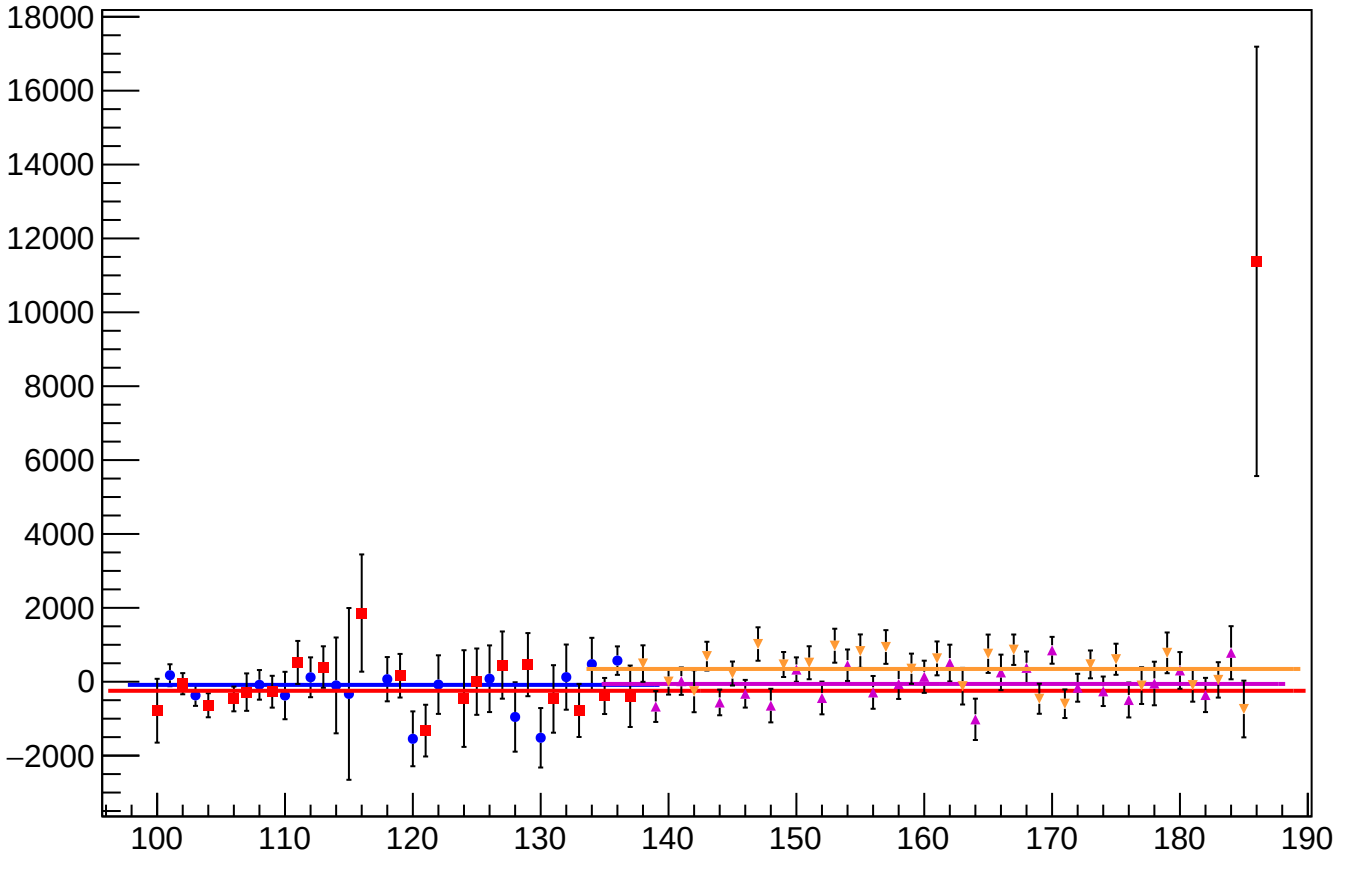
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 71.098+/-0.013 χ^2/NDF: 1154335.8/35

In: 71.518+/-0.010 χ^2/NDF:1335558.6/38

Out: 72.039+/-0.010 χ^2/NDF:2149577.0/44

All: 71.783+/-0.007 χ^2/NDF: 3486465.5/83



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

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

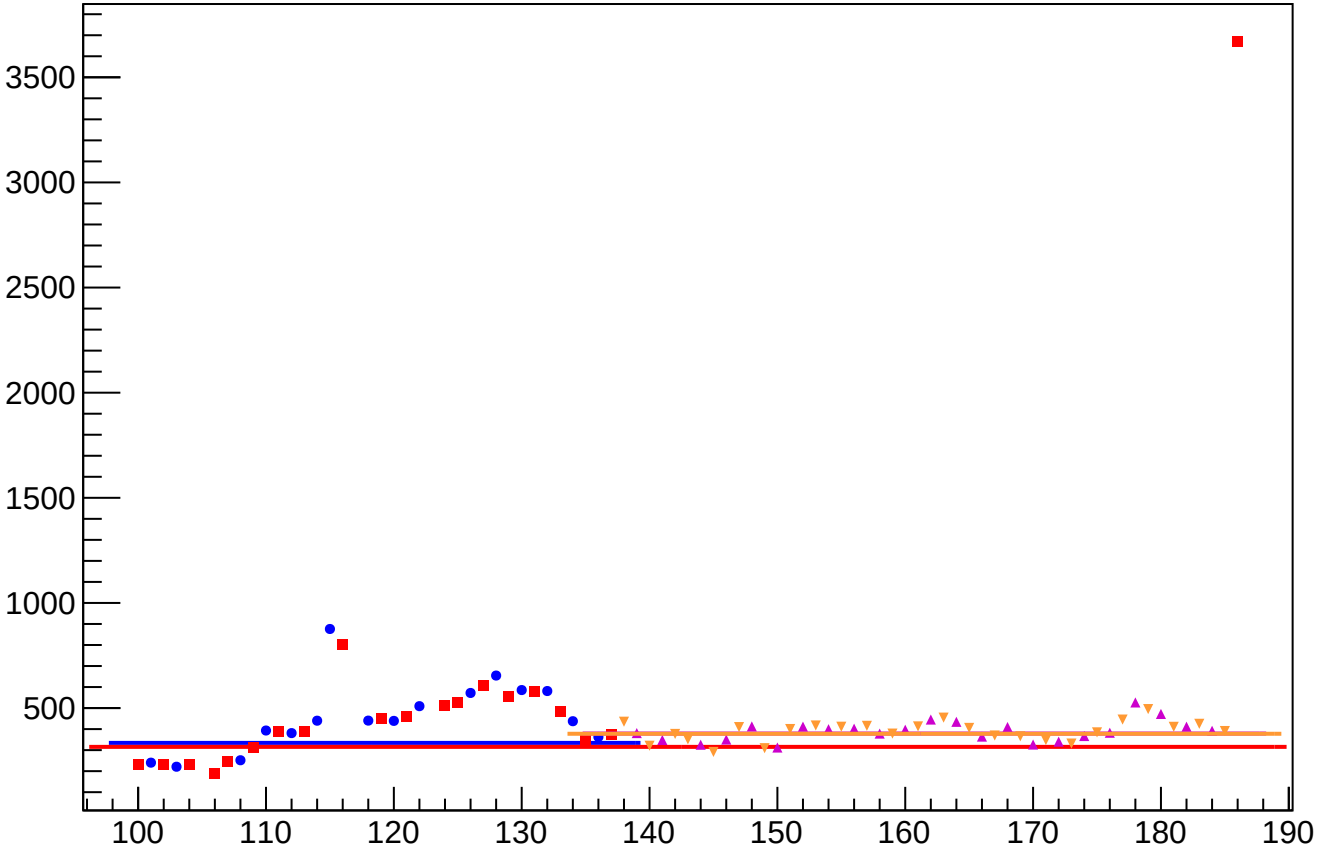
Right: -171.187+/-90.372 χ^2/NDF: 31.0/35

In: -67.786+/-74.181 χ^2/NDF:39.6/38

Out: 149.955+/-70.984 χ^2/NDF:60.8/44

All: 45.878+/-51.286 χ^2/NDF: 104.9/83

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 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

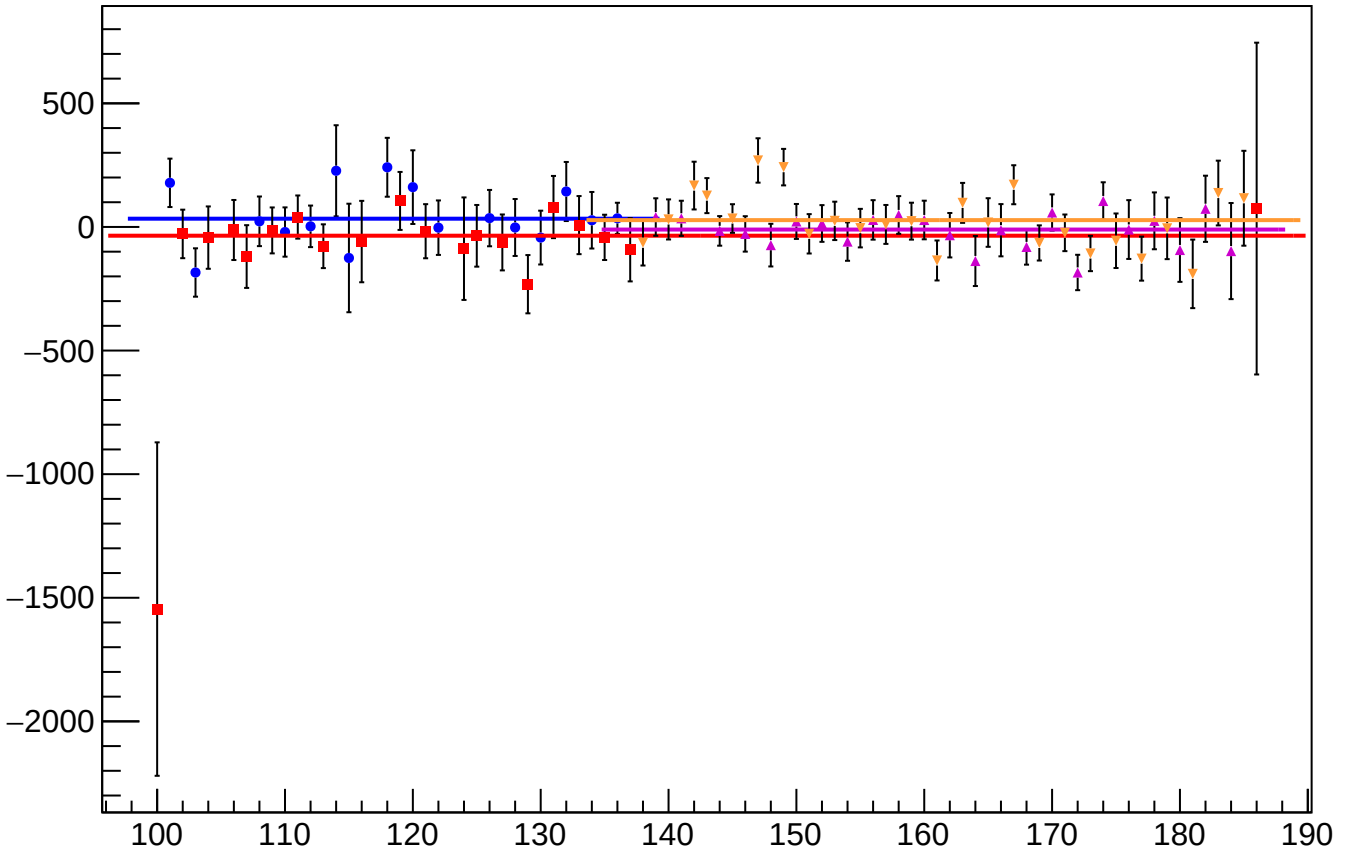
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 324.247+/-0.064 χ^2/NDF: 4323731.0/35

In: 365.019+/-0.052 χ^2/NDF:2412269.2/38

Out: 357.135+/-0.050 χ^2/NDF:3549589.5/44

All: 360.903+/-0.036 χ^2/NDF: 5973653.8/83



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

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

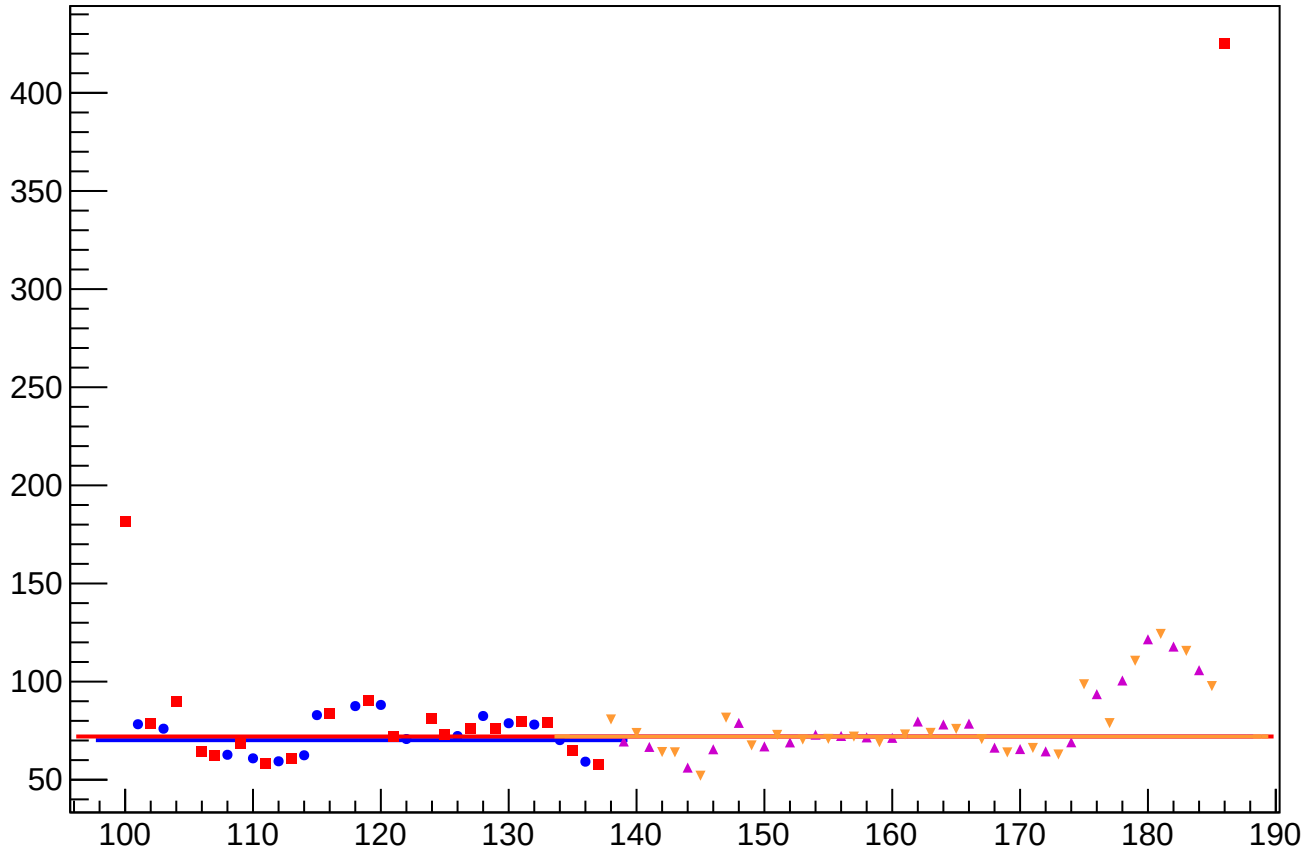
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -0.873+/-18.713 χ^2/NDF: 30.0/35

In: 2.582+/-14.428 χ^2/NDF:32.6/38

Out: 9.659+/-14.156 χ^2/NDF:58.5/44

All: 6.188+/-10.105 χ^2/NDF: 91.2/83



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

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

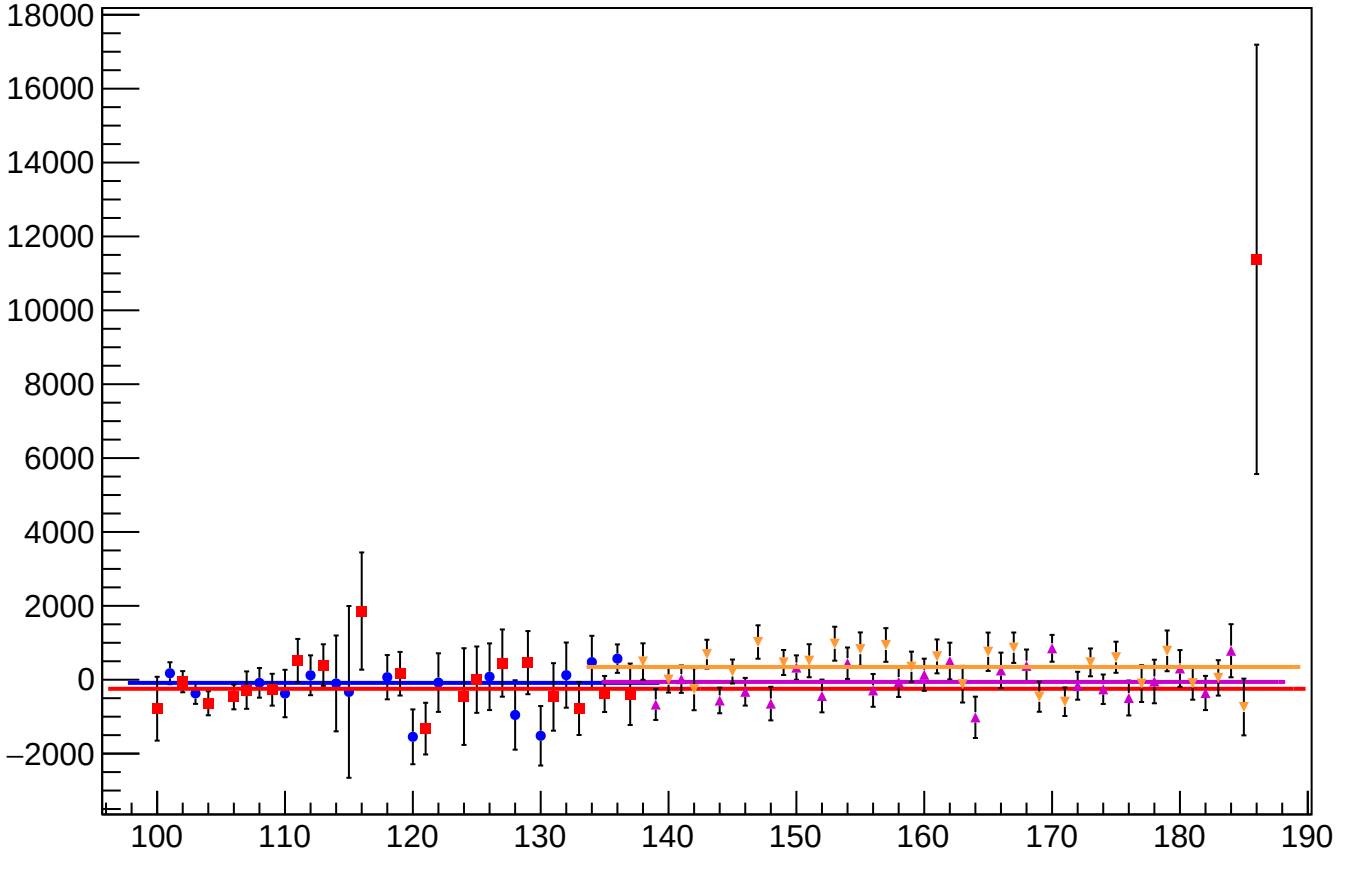
Right: 71.098+/-0.013 χ^2/NDF: 1154343.1/35

In: 71.518+/-0.010 χ^2/NDF:1335550.7/38

Out: 72.039+/-0.010 χ^2/NDF:2149588.7/44

All: 71.783+/-0.007 χ^2/NDF: 3486469.2/83

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 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

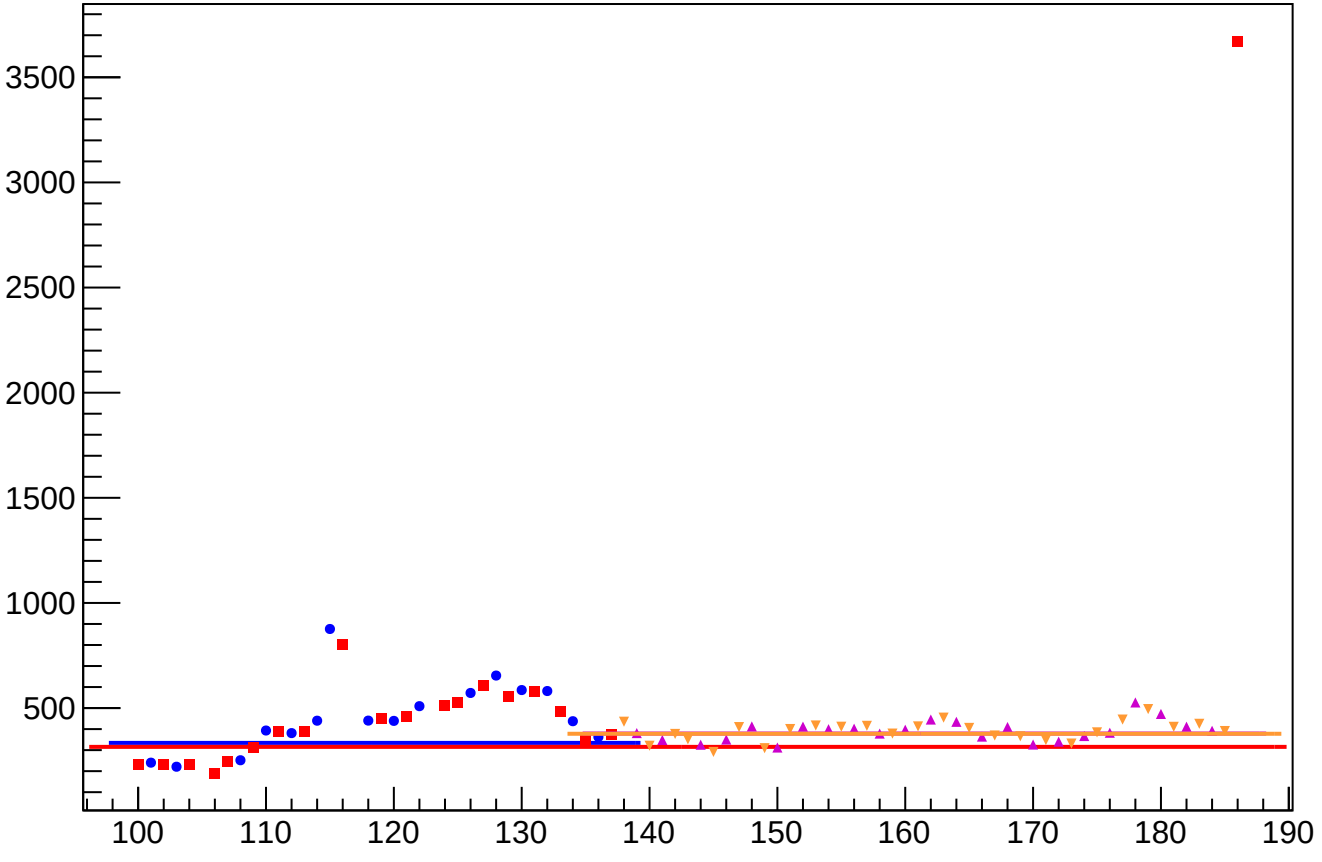
Right: -171.187+/-90.372 χ^2/NDF: 31.0/35

In: -67.786+/-74.181 χ^2/NDF:39.6/38

Out: 149.954+/-70.984 χ^2/NDF:60.8/44

All: 45.878+/-51.286 χ^2/NDF: 104.9/83

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 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

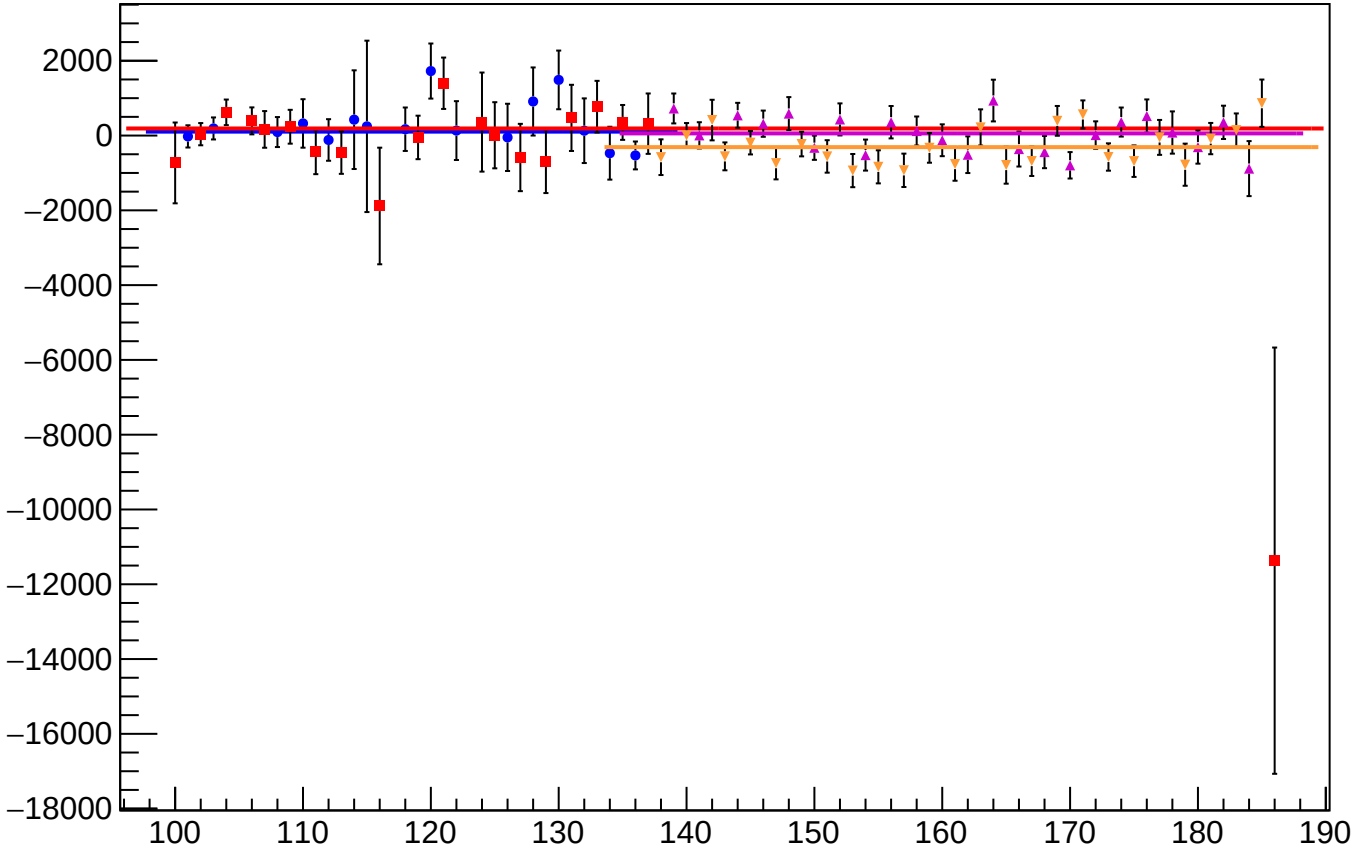
Right: 324.247+/-0.064 χ^2/NDF: 4323728.5/35

In: 365.019+/-0.052 χ^2/NDF:2412260.7/38

Out: 357.134+/-0.050 χ^2/NDF:3549583.8/44

All: 360.903+/-0.036 χ^2/NDF: 5973640.0/83

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

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

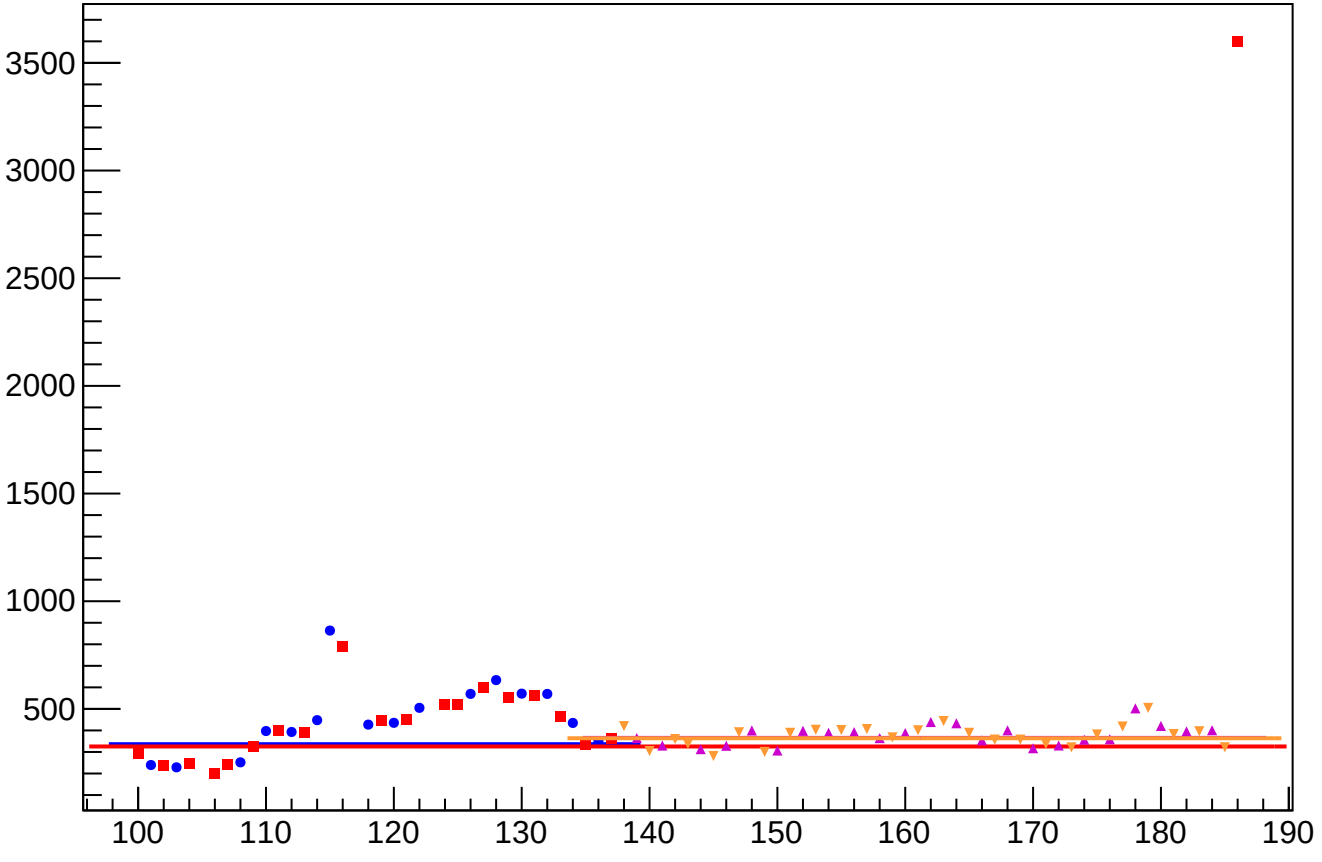
Right: 149.436+/-91.549 χ^2/NDF: 30.4/35

In: 71.695+/-72.358 χ^2/NDF:41.0/38

Out: -157.009+/-69.751 χ^2/NDF:58.1/44

All: -46.851+/-50.218 χ^2/NDF: 104.3/83

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

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

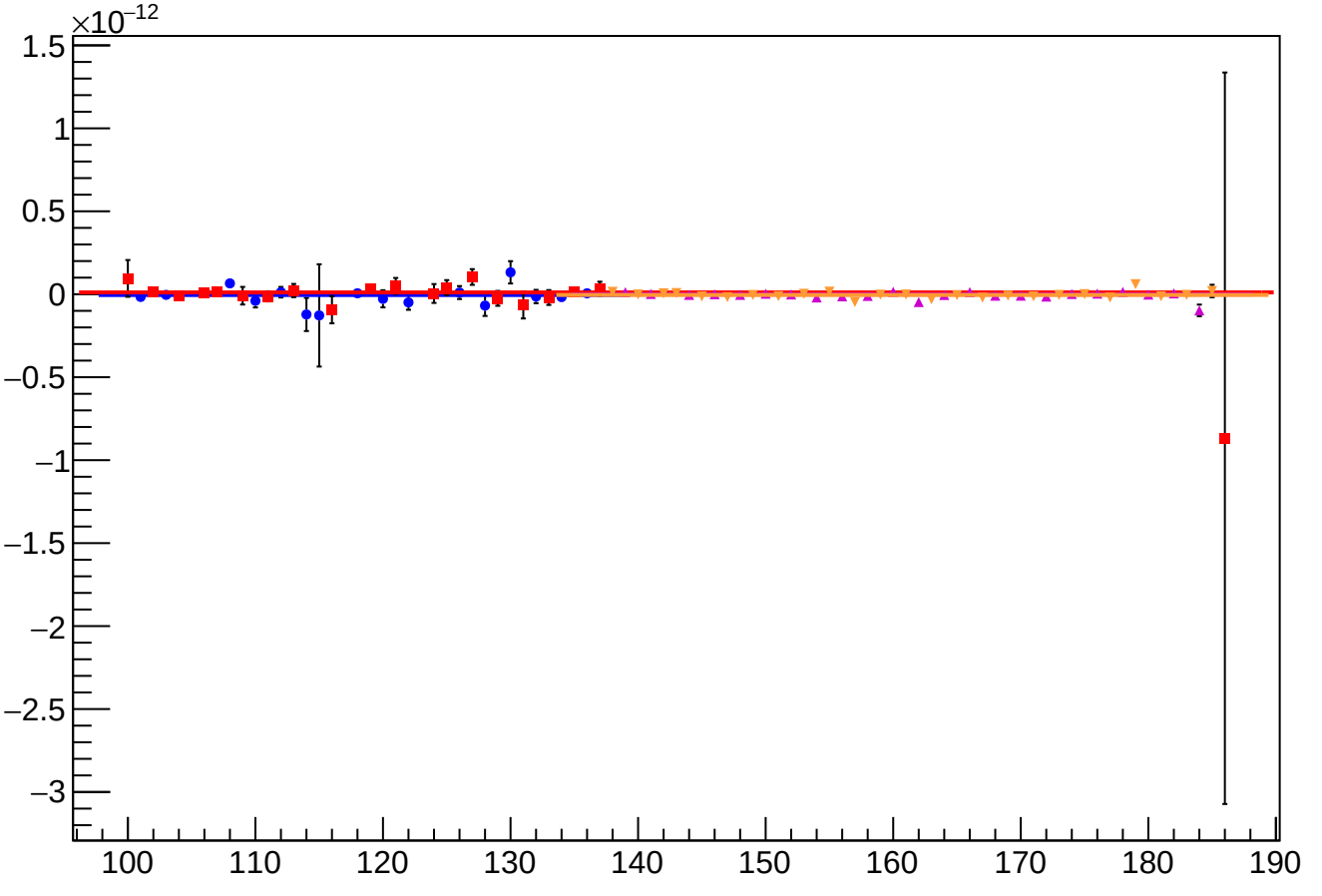
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 330.510+/-0.065 χ^2/NDF: 3951160.6/35

In: 356.678+/-0.051 χ^2/NDF:2196484.6/38

Out: 352.032+/-0.049 χ^2/NDF:3122187.2/44

All: 354.269+/-0.036 χ^2/NDF: 5322946.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

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

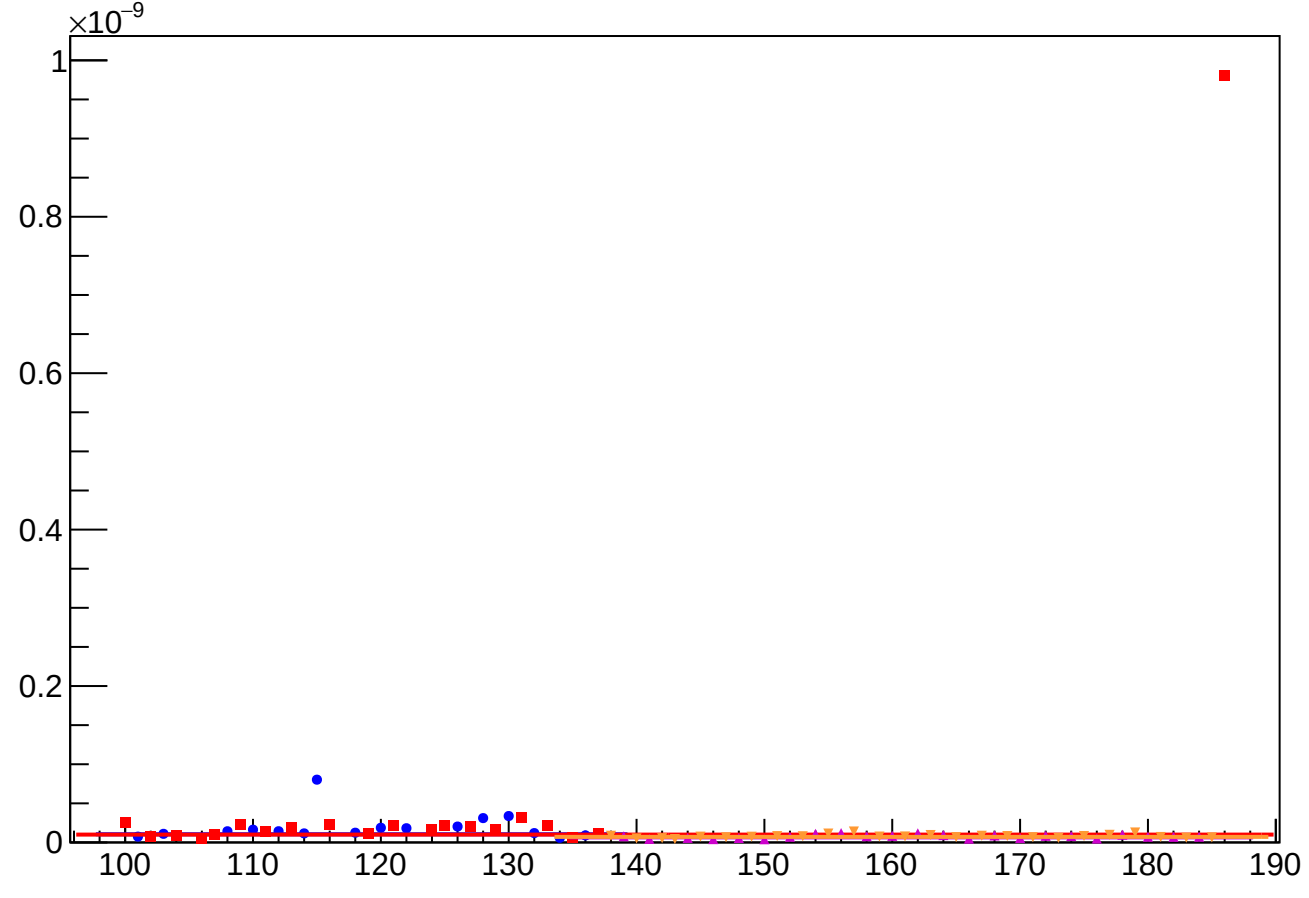
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 31.9/35

In: -0.000+/-0.000 χ^2/NDF:38.4/38

Out: -0.000+/-0.000 χ^2/NDF:39.2/44

All: -0.000+/-0.000 χ^2/NDF: 77.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1803526.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

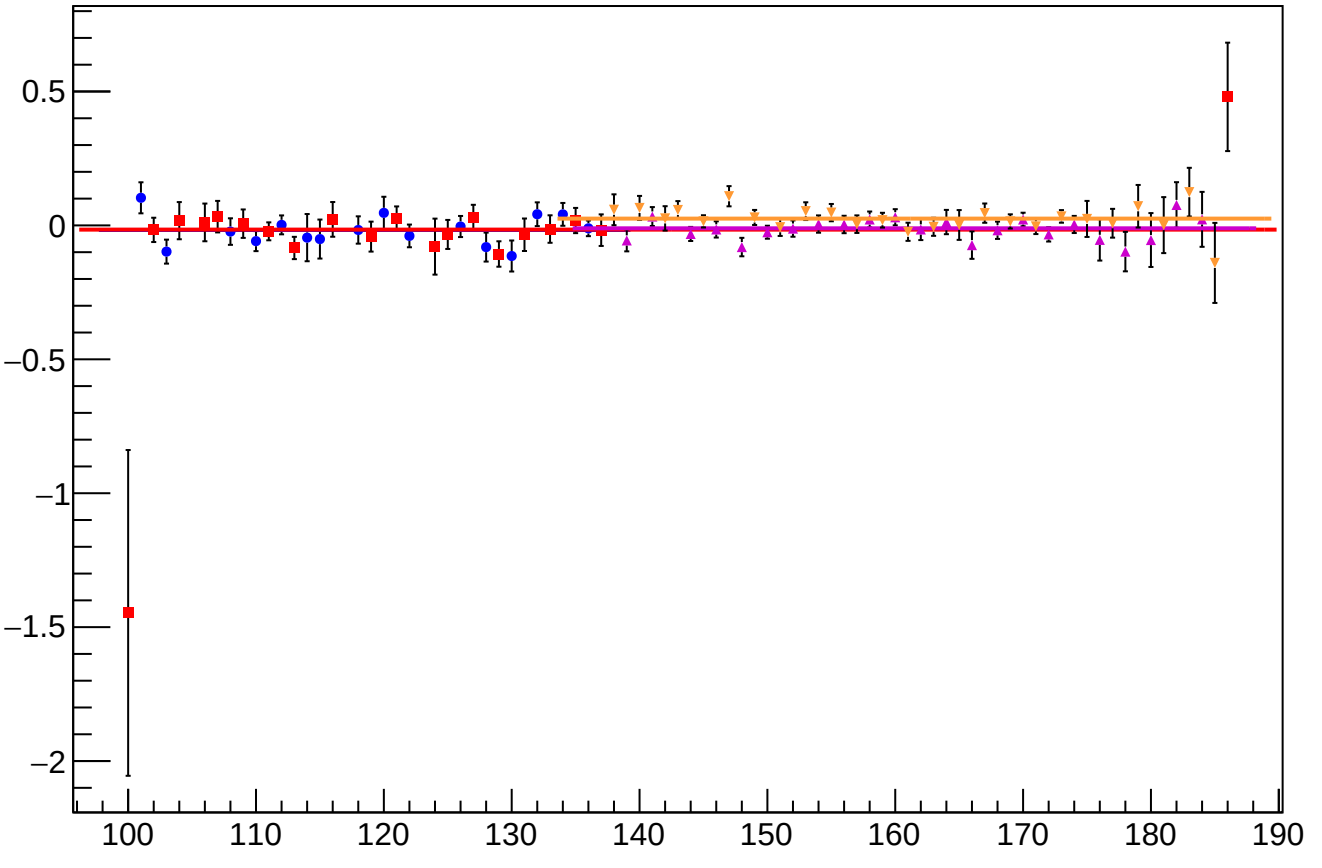
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 2991629.5/35

In: 0.000+/-0.000 χ^2/NDF:3059163.1/38

Out: 0.000+/-0.000 χ^2/NDF:3029000.3/44

All: 0.000+/-0.000 χ^2/NDF: 6131915.0/83



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

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

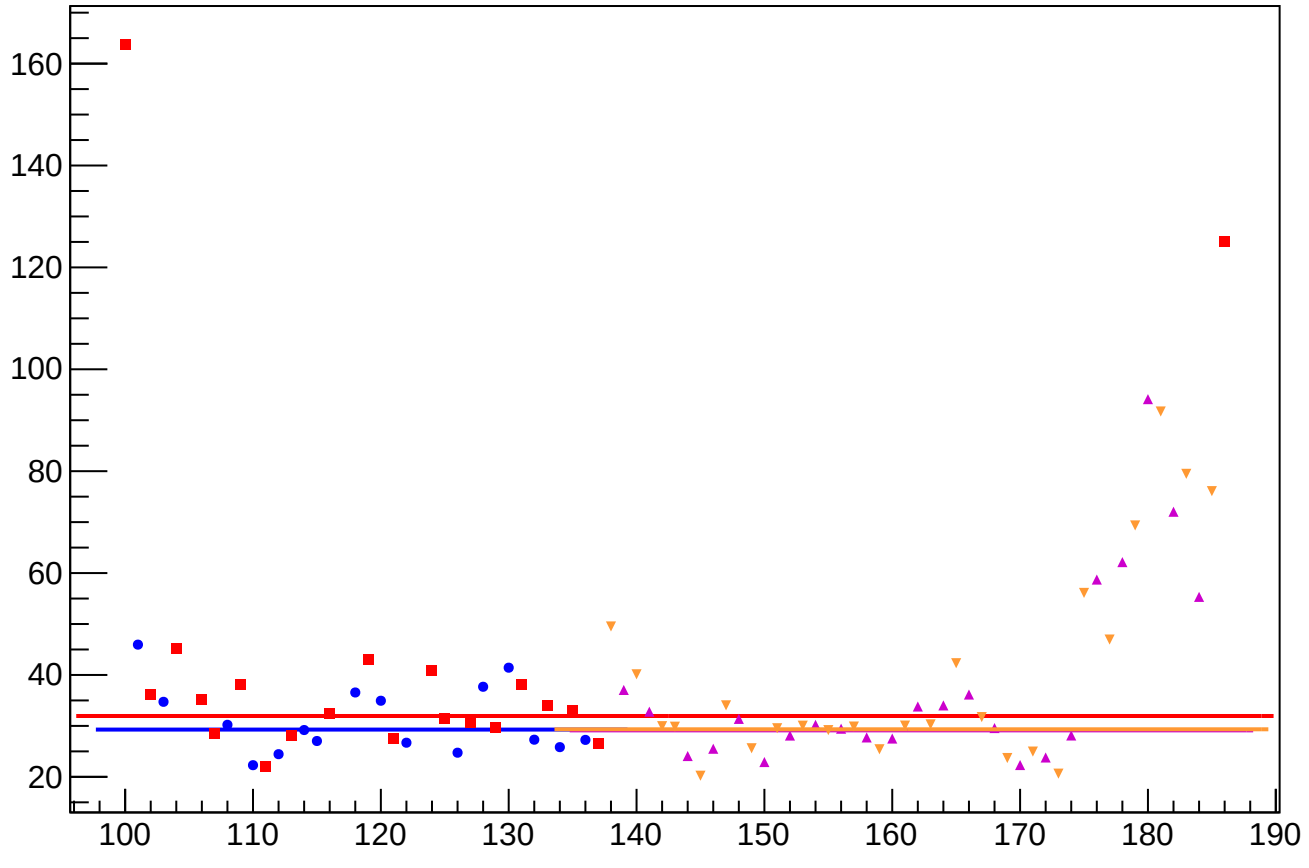
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 41.7/35

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.7/83



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

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

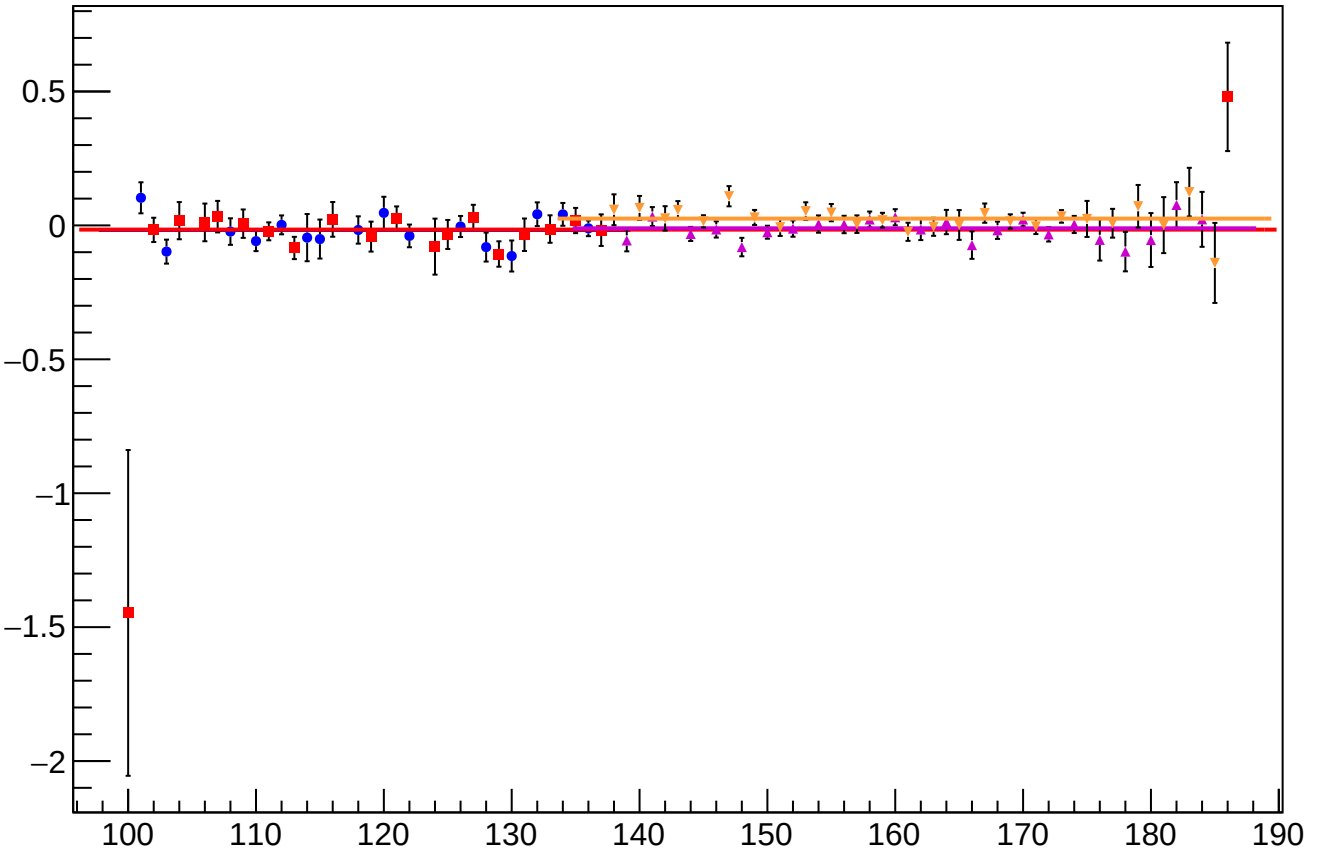
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 30.529+/-0.006 χ^2/NDF: 1608813.3/35

In: 29.170+/-0.004 χ^2/NDF:3400030.8/38

Out: 30.016+/-0.004 χ^2/NDF:4940186.7/44

All: 29.591+/-0.003 χ^2/NDF: 8359145.6/83



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

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

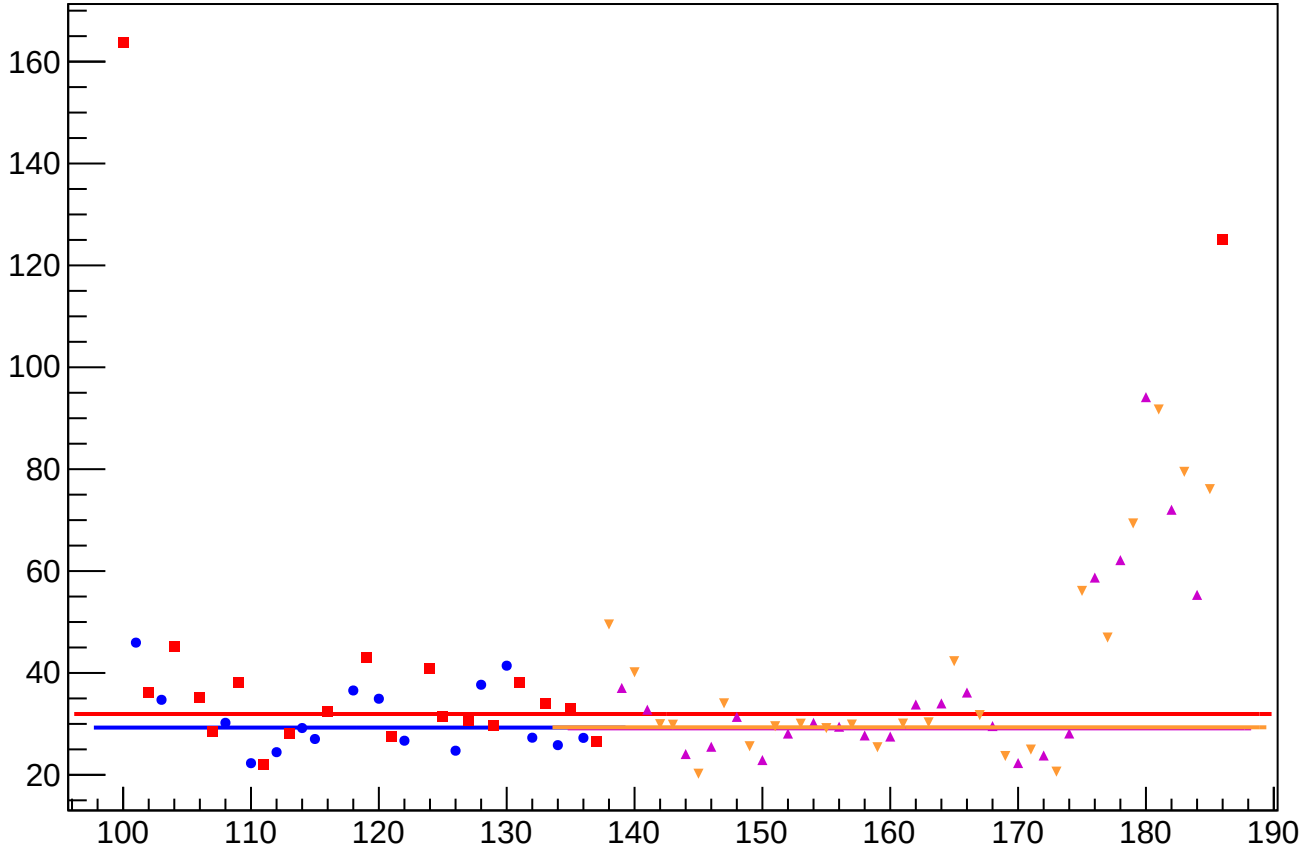
Right: -0.016+/-0.008 χ^2/NDF: 41.7/35

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.7/83

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 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

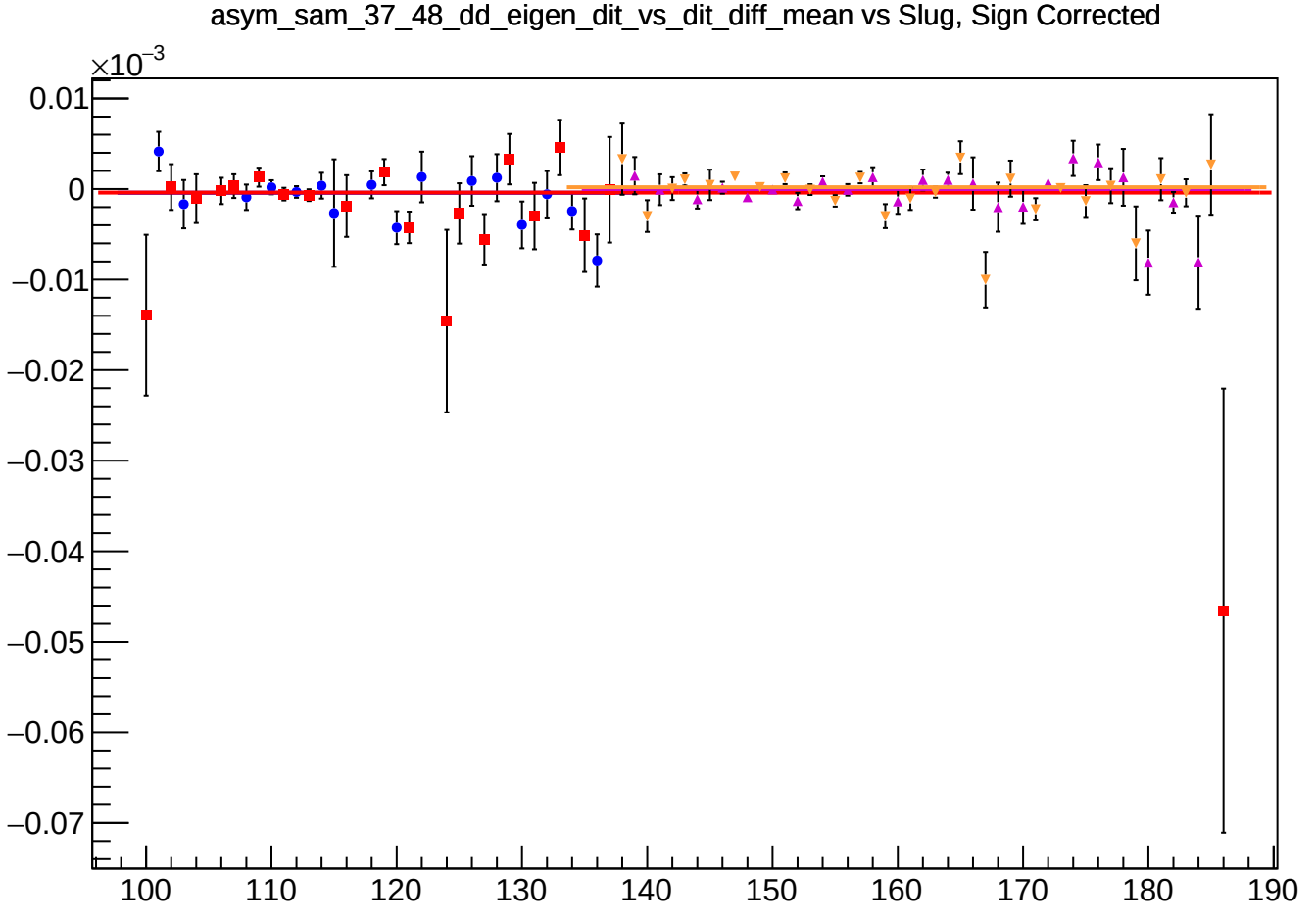
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 30.529+/-0.006 χ^2/NDF: 1608813.3/35

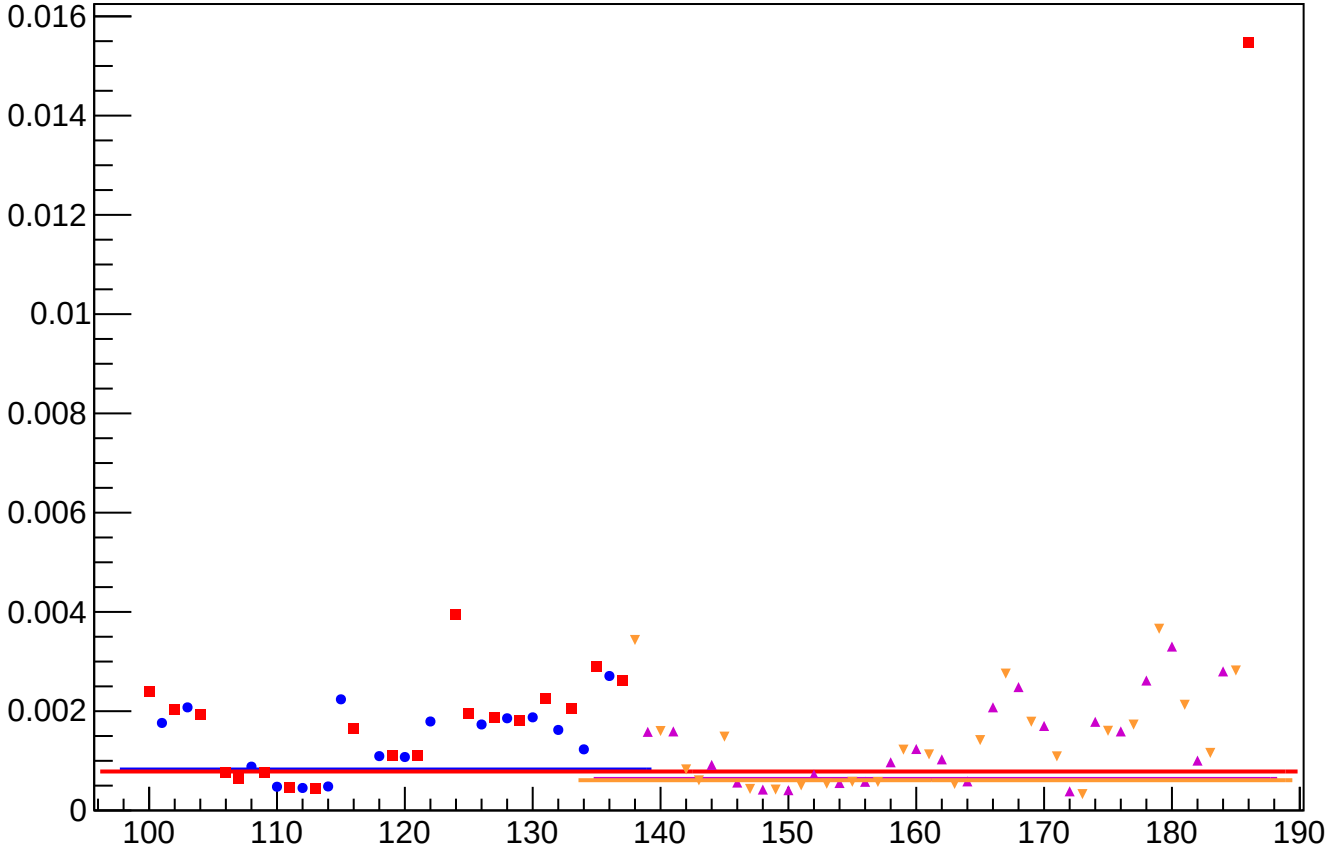
In: 29.170+/-0.004 χ^2/NDF:3400030.8/38

Out: 30.016+/-0.004 χ^2/NDF:4940186.7/44

All: 29.591+/-0.003 χ^2/NDF: 8359145.6/83


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.2/15
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.8/19
Left In: -0.000+/-0.000 χ²/NDF:32.9/22
Left: 0.000+/-0.000 χ²/NDF: 86.2/47
Right: -0.000+/-0.000 χ²/NDF: 50.1/35
In: -0.000+/-0.000 χ²/NDF:55.2/38
Out: 0.000+/-0.000 χ²/NDF:83.8/44
All: 0.000+/-0.000 χ²/NDF: 139.5/83

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

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

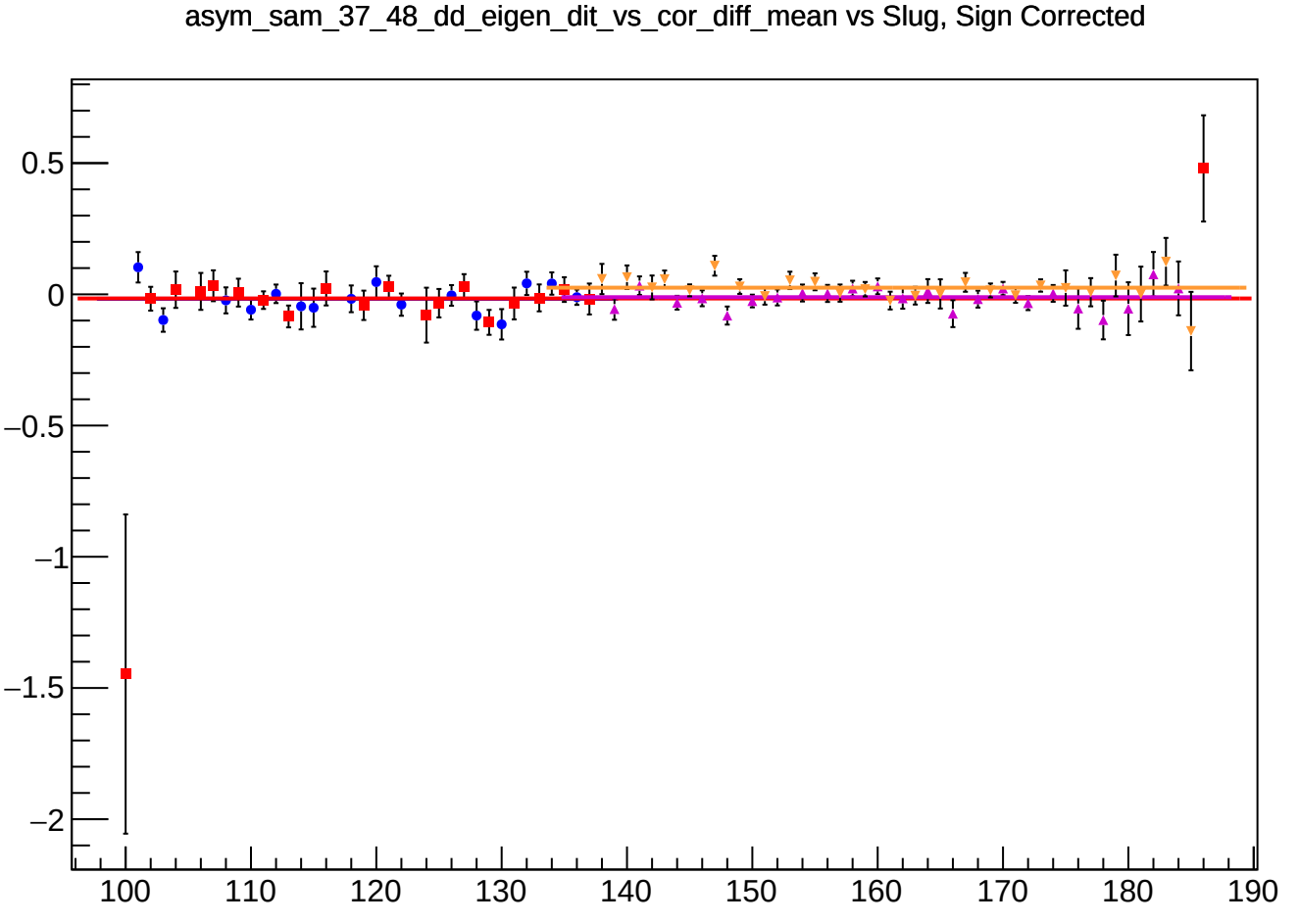
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 9817372.1/35

In: 0.001+/-0.000 χ^2/NDF:14247200.7/38

Out: 0.001+/-0.000 χ^2/NDF:16732061.4/44

All: 0.001+/-0.000 χ^2/NDF: 31013696.9/83



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

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

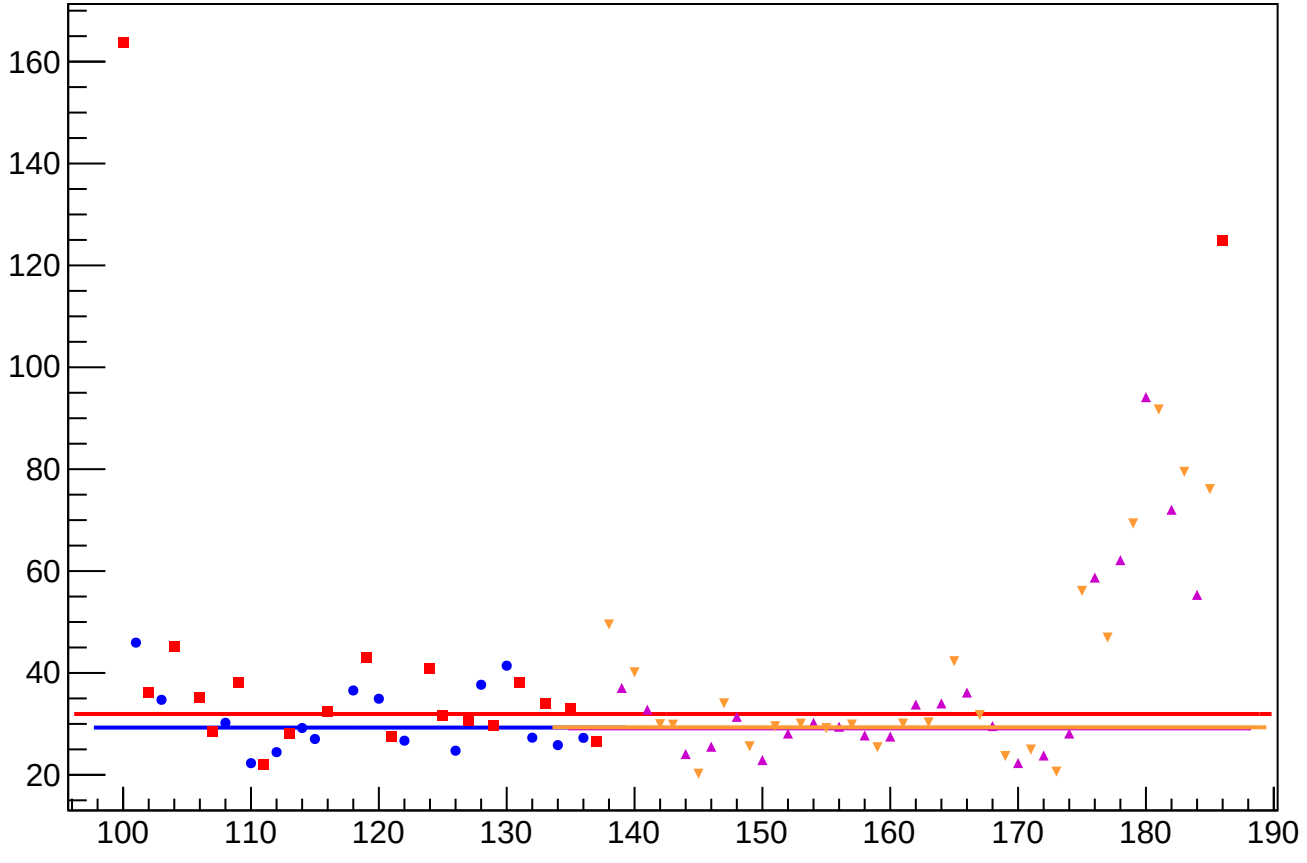
Right: -0.016+/-0.008 χ^2/NDF: 41.7/35

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.7/83

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 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

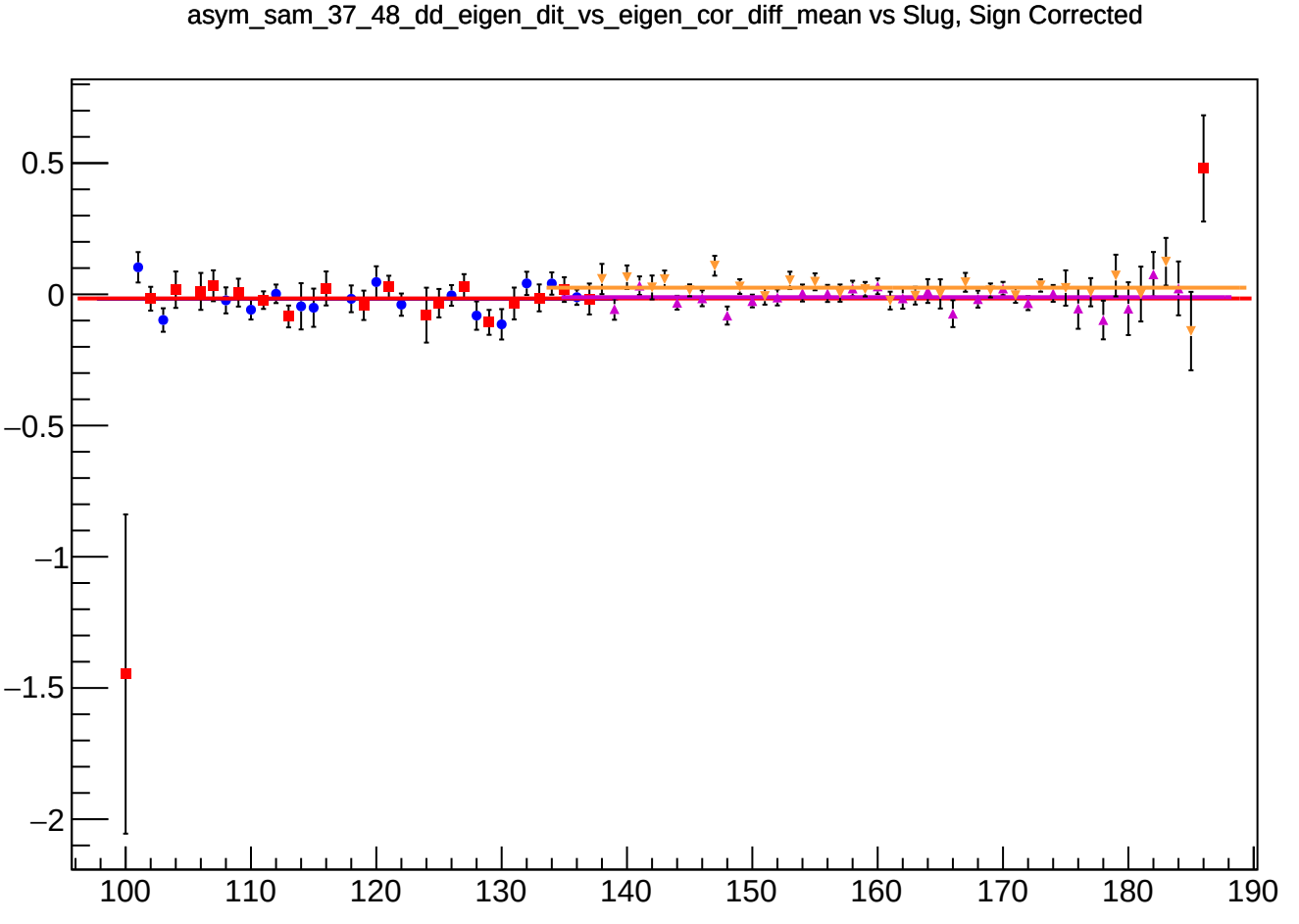
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 30.529+/-0.006 χ^2/NDF: 1608786.9/35

In: 29.169+/-0.004 χ^2/NDF:3399993.8/38

Out: 30.016+/-0.004 χ^2/NDF:4940246.8/44

All: 29.590+/-0.003 χ^2/NDF: 8359168.2/83



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

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

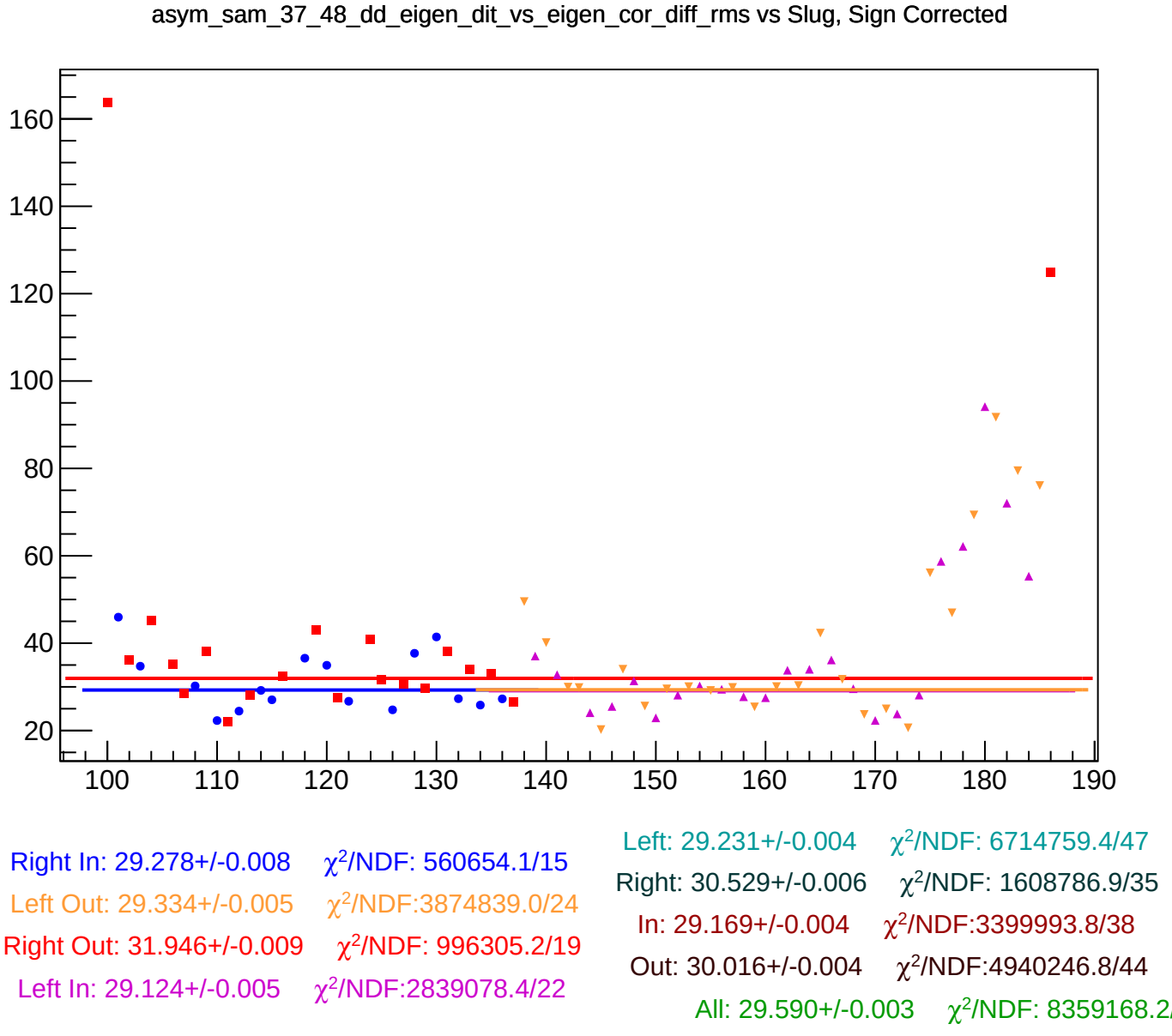
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

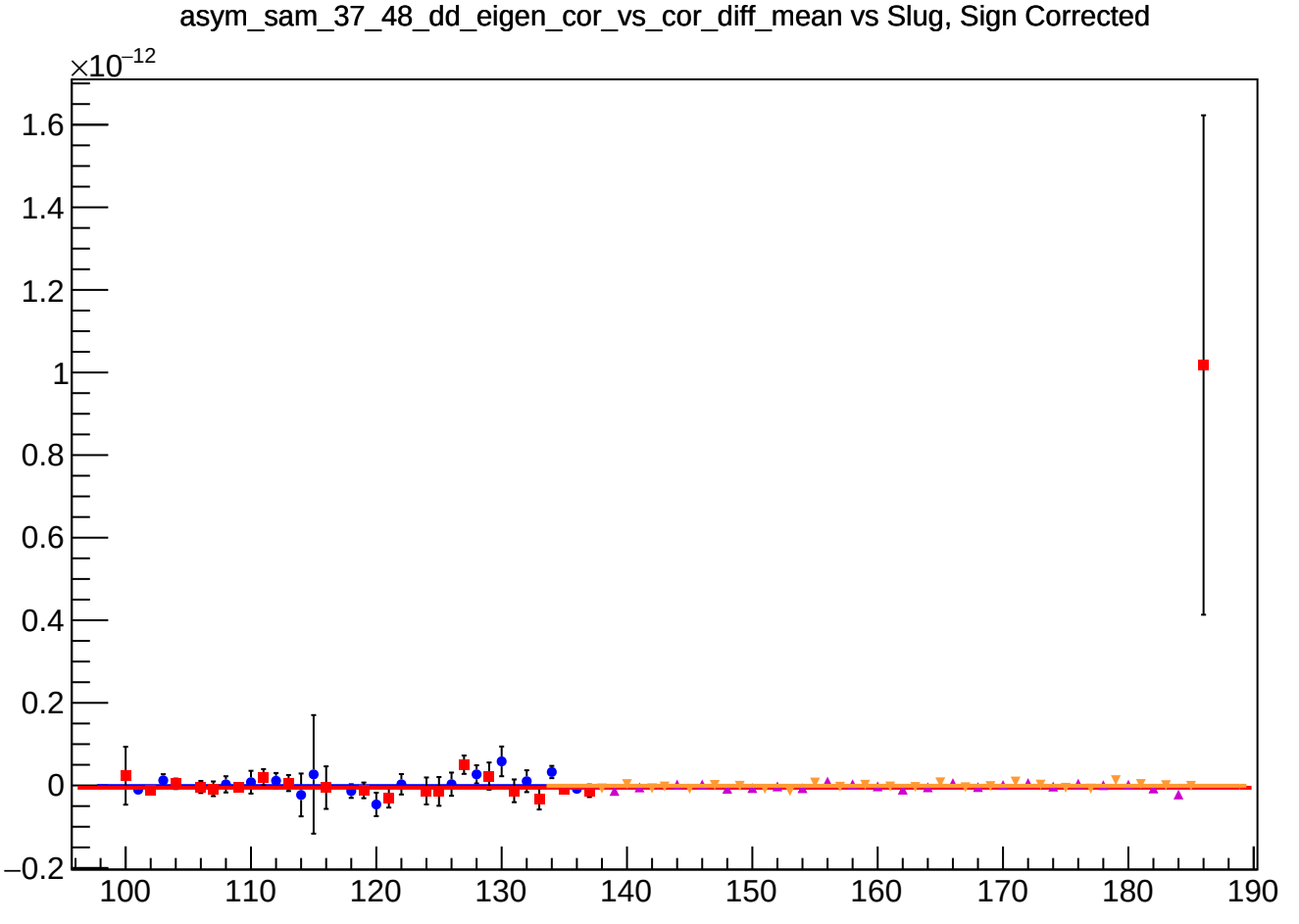
Right: -0.016+/-0.008 χ^2/NDF: 41.7/35

In: -0.013+/-0.006 χ^2/NDF:38.0/38

Out: 0.015+/-0.006 χ^2/NDF:48.8/44

All: 0.001+/-0.004 χ^2/NDF: 96.7/83


asym_sam_37_48_dd_eigen_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: 29.278+/-0.008 χ2/NDF: 560654.1/15
Left Out: 29.334+/-0.005 χ2/NDF:3874839.0/24
Right Out: 31.946+/-0.009 χ2/NDF: 996305.2/19
Left In: 29.124+/-0.005 χ2/NDF:2839078.4/22
Left: 29.231+/-0.004 χ2/NDF: 6714759.4/47
Right: 30.529+/-0.006 χ2/NDF: 1608786.9/35
In: 29.169+/-0.004 χ2/NDF:3399993.8/38
Out: 30.016+/-0.004 χ2/NDF:4940246.8/44
All: 29.590+/-0.003 χ2/NDF: 8359168.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

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

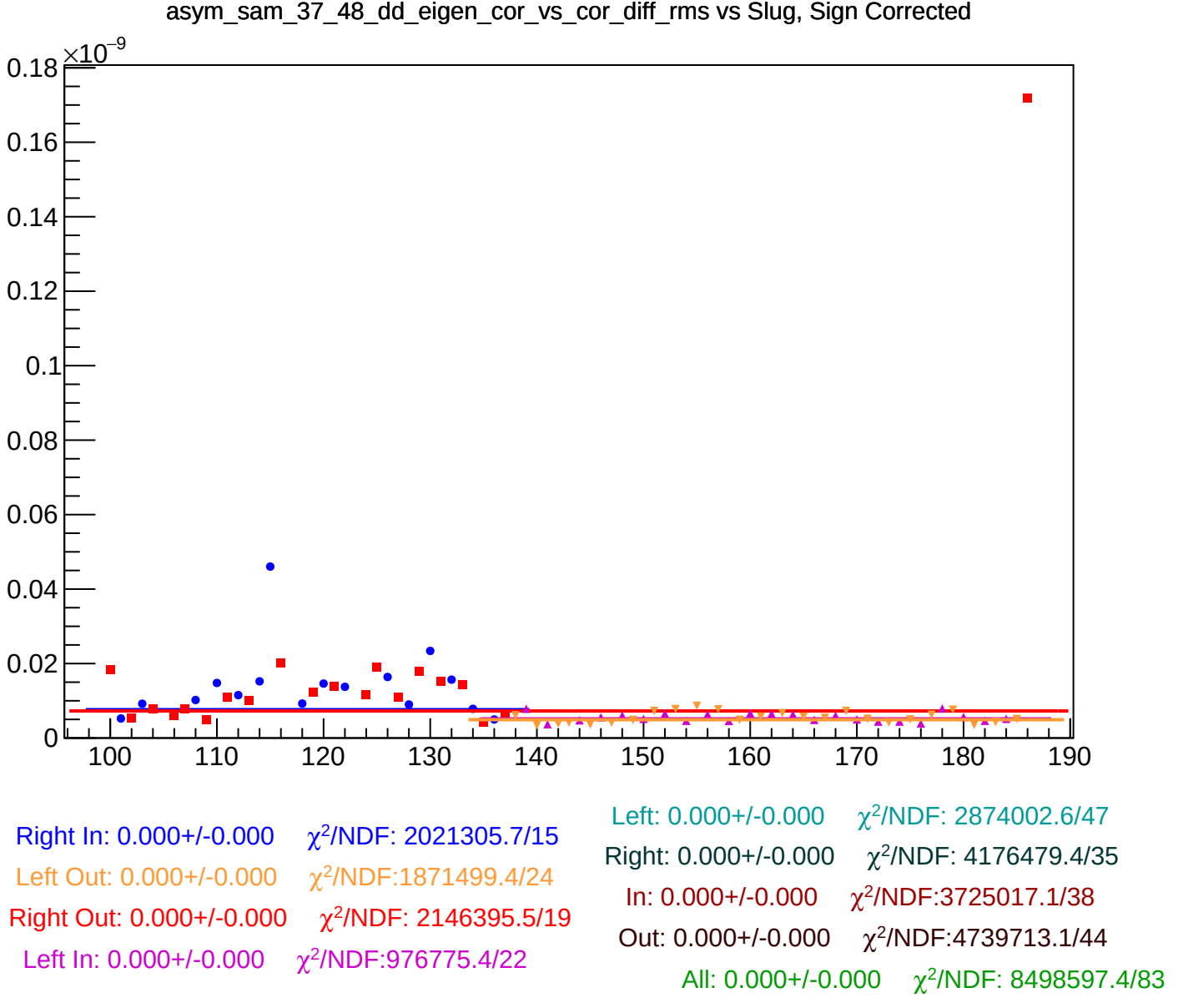
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

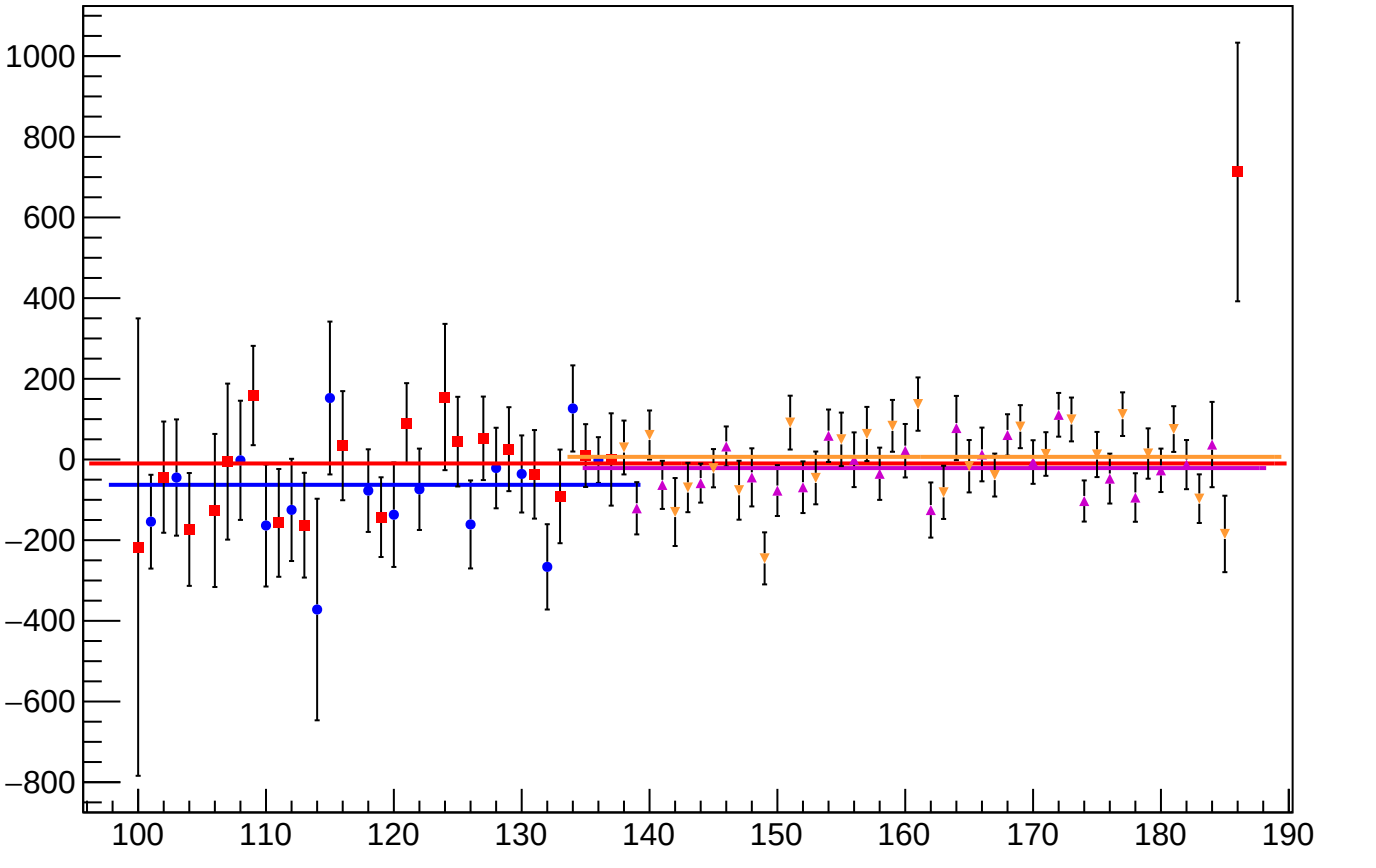
Right: -0.000+/-0.000 χ^2/NDF: 33.7/35

In: -0.000+/-0.000 χ^2/NDF:33.5/38

Out: -0.000+/-0.000 χ^2/NDF:32.8/44

All: -0.000+/-0.000 χ^2/NDF: 66.3/83


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: 2021305.7/15
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: 4176479.4/35
In: 0.000+/-0.000 χ²/NDF:3725017.1/38
Out: 0.000+/-0.000 χ²/NDF:4739713.1/44
All: 0.000+/-0.000 χ²/NDF: 8498597.4/83



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

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

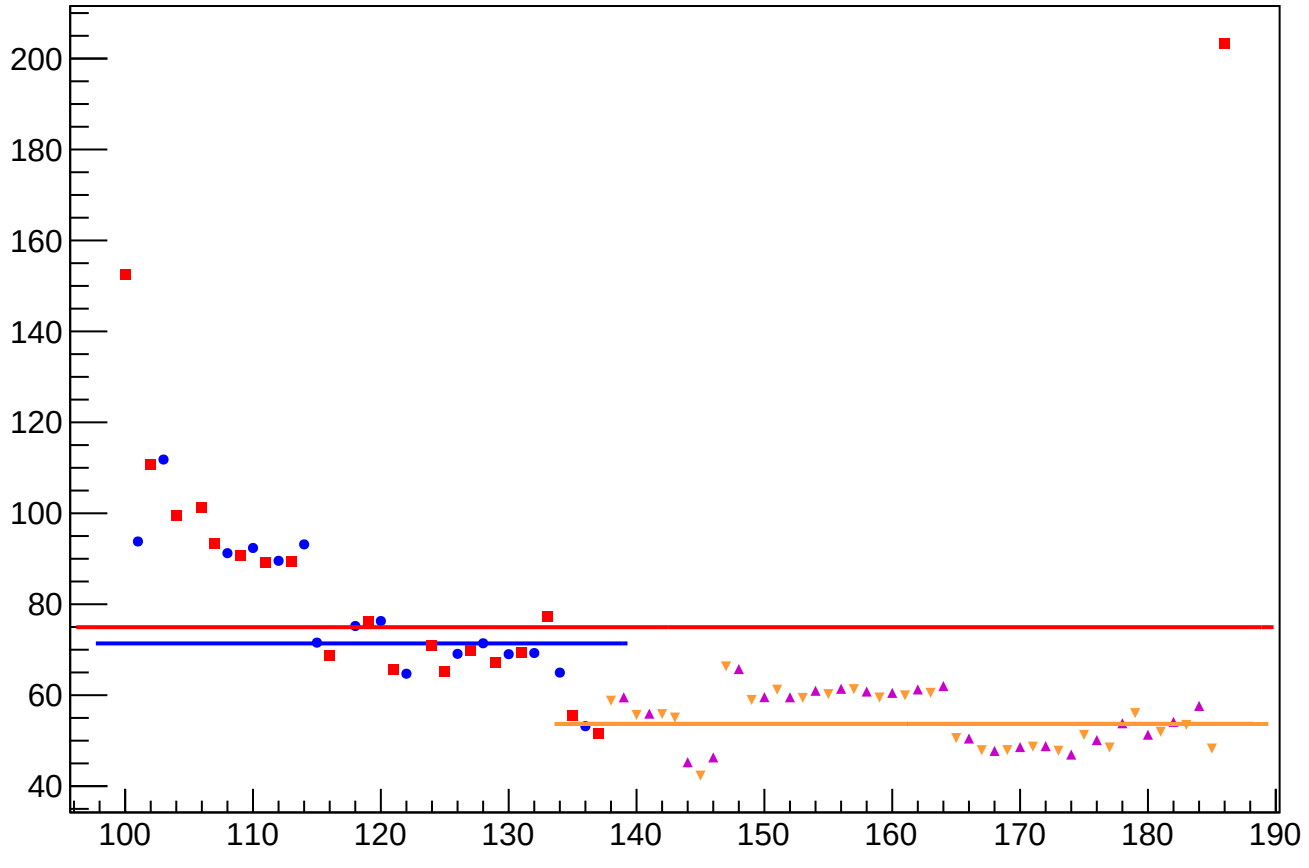
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -36.769+/-19.401 χ^2/NDF: 31.9/35

In: -28.702+/-11.471 χ^2/NDF:40.8/38

Out: 3.823+/-11.230 χ^2/NDF:67.5/44

All: -12.094+/-8.024 χ^2/NDF: 112.4/83



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

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

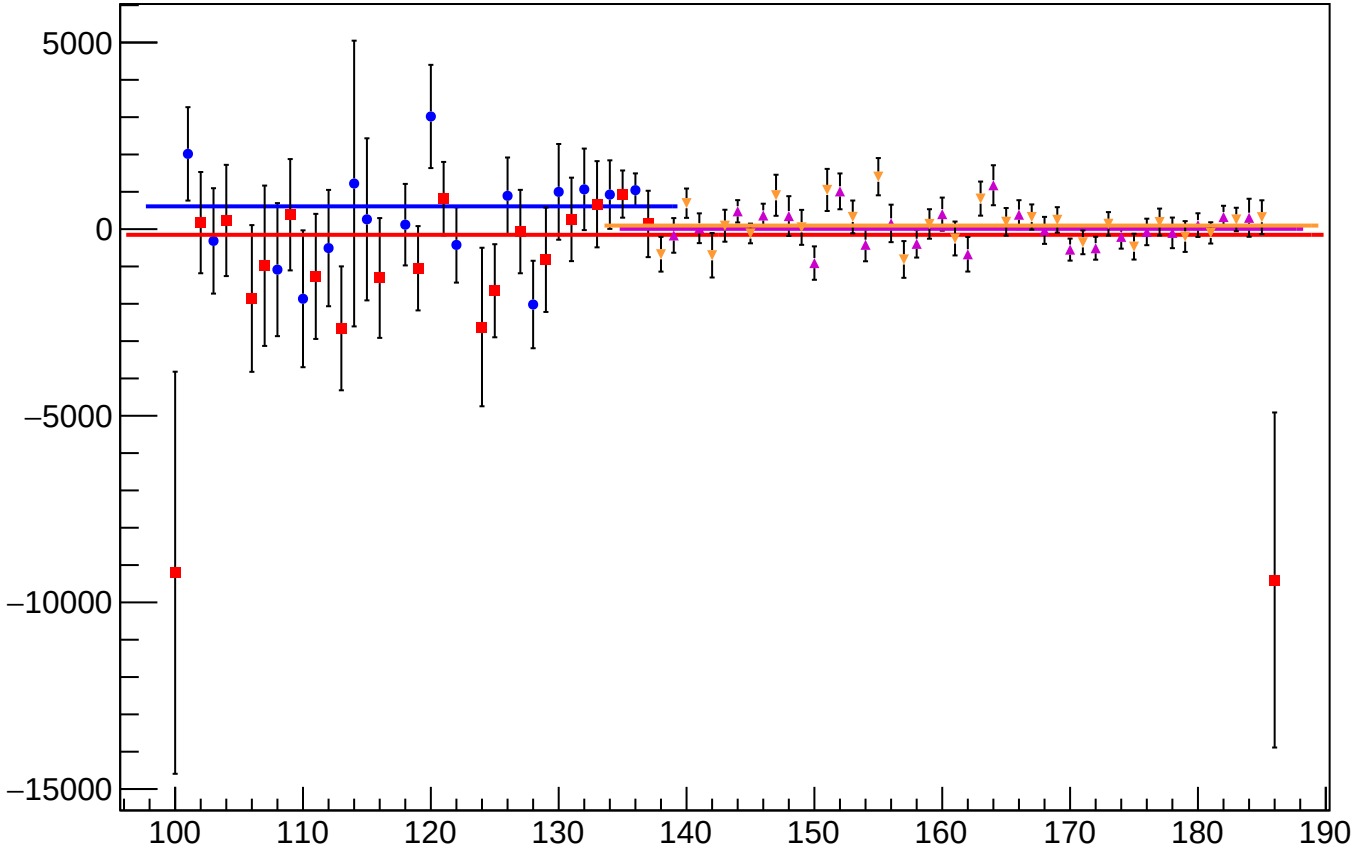
Right: 73.140+/-0.014 χ^2/NDF: 1569121.9/35

In: 56.837+/-0.008 χ^2/NDF:1757129.1/38

Out: 57.173+/-0.008 χ^2/NDF:2422776.3/44

All: 57.009+/-0.006 χ^2/NDF: 4180780.7/83

asym_sam_15_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

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

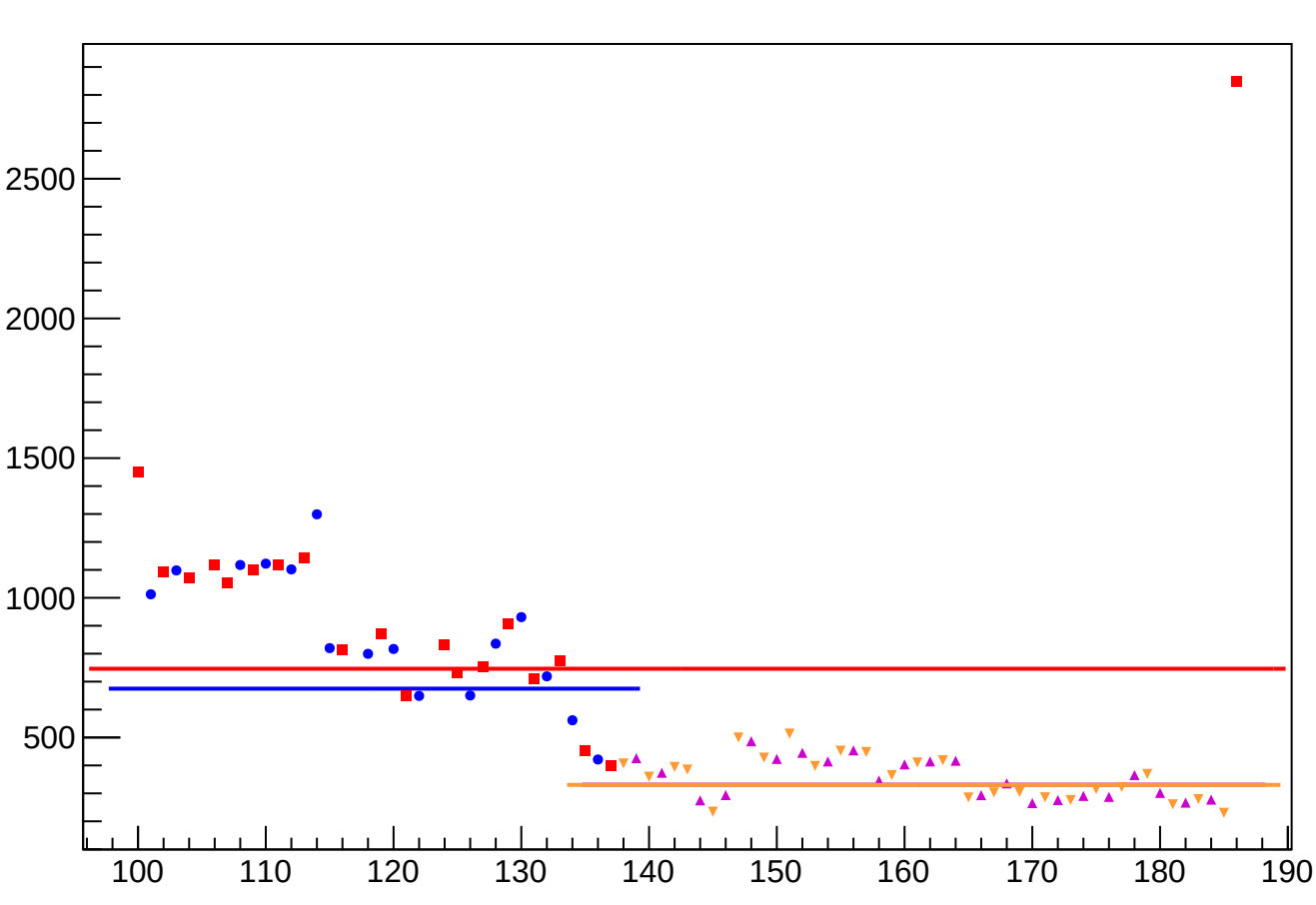
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 252.845+/-194.371 χ^2/NDF: 39.3/35

In: 56.602+/-75.860 χ^2/NDF:52.7/38

Out: 78.445+/-74.433 χ^2/NDF:53.7/44

All: 67.731+/-53.129 χ^2/NDF: 106.4/83



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

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

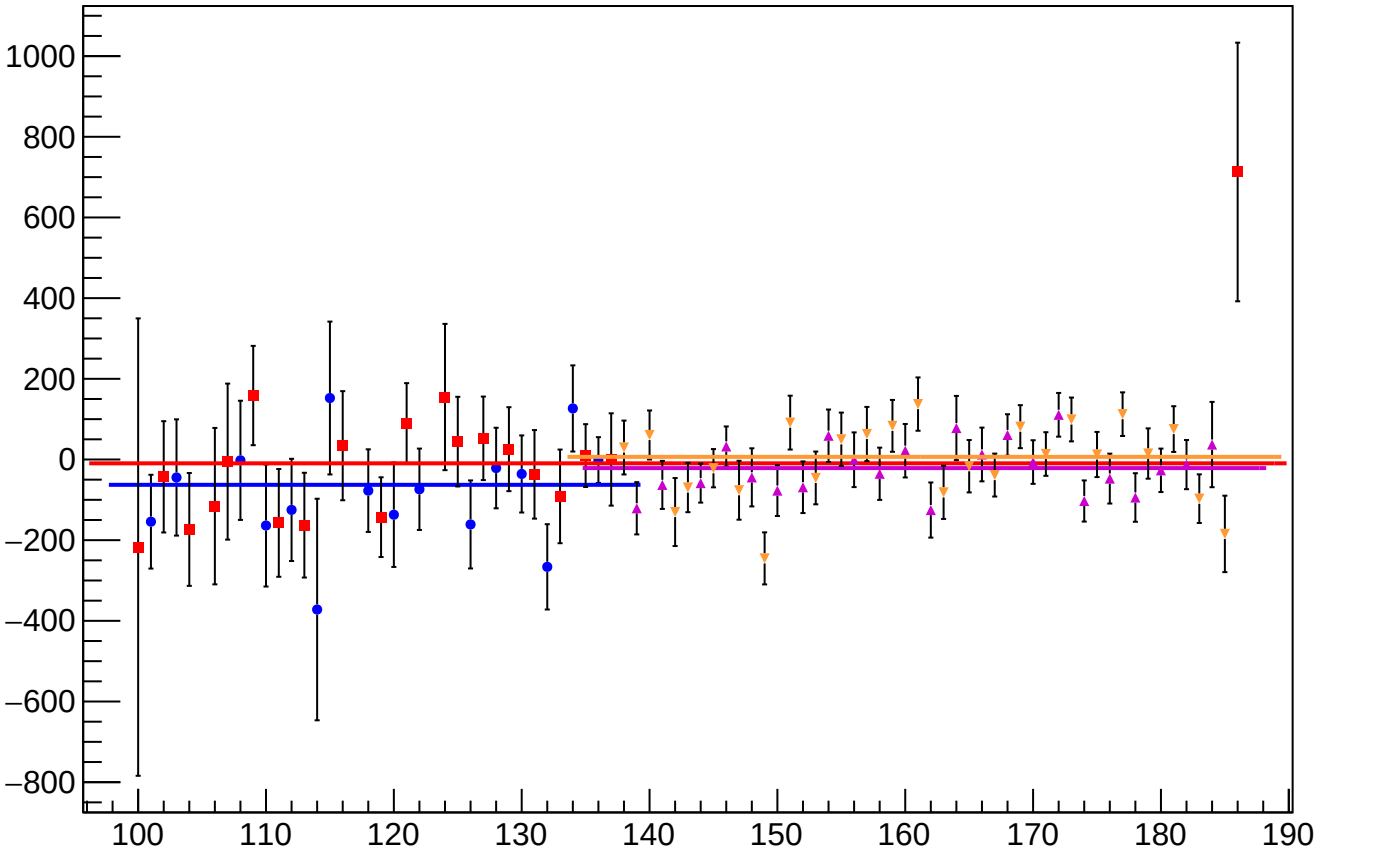
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 708.278+/-0.137 χ^2/NDF: 3641783.4/35

In: 358.850+/-0.054 χ^2/NDF:5995180.1/38

Out: 359.012+/-0.053 χ^2/NDF:7707119.8/44

All: 358.932+/-0.038 χ^2/NDF: 13702304.5/83



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

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

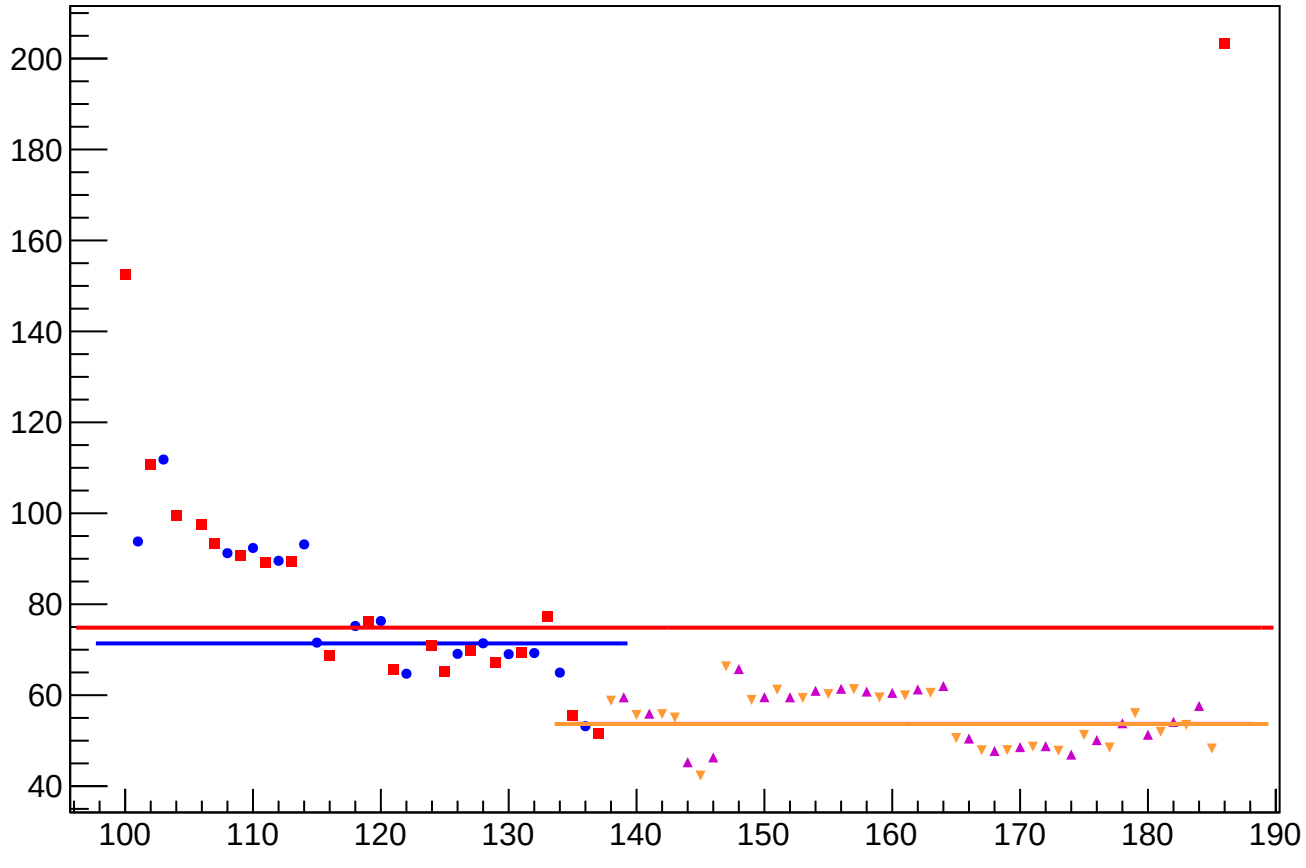
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -36.600+/-19.405 χ^2/NDF: 31.9/35

In: -28.700+/-11.471 χ^2/NDF:40.8/38

Out: 3.887+/-11.230 χ^2/NDF:67.4/44

All: -12.062+/-8.025 χ^2/NDF: 112.3/83



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

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

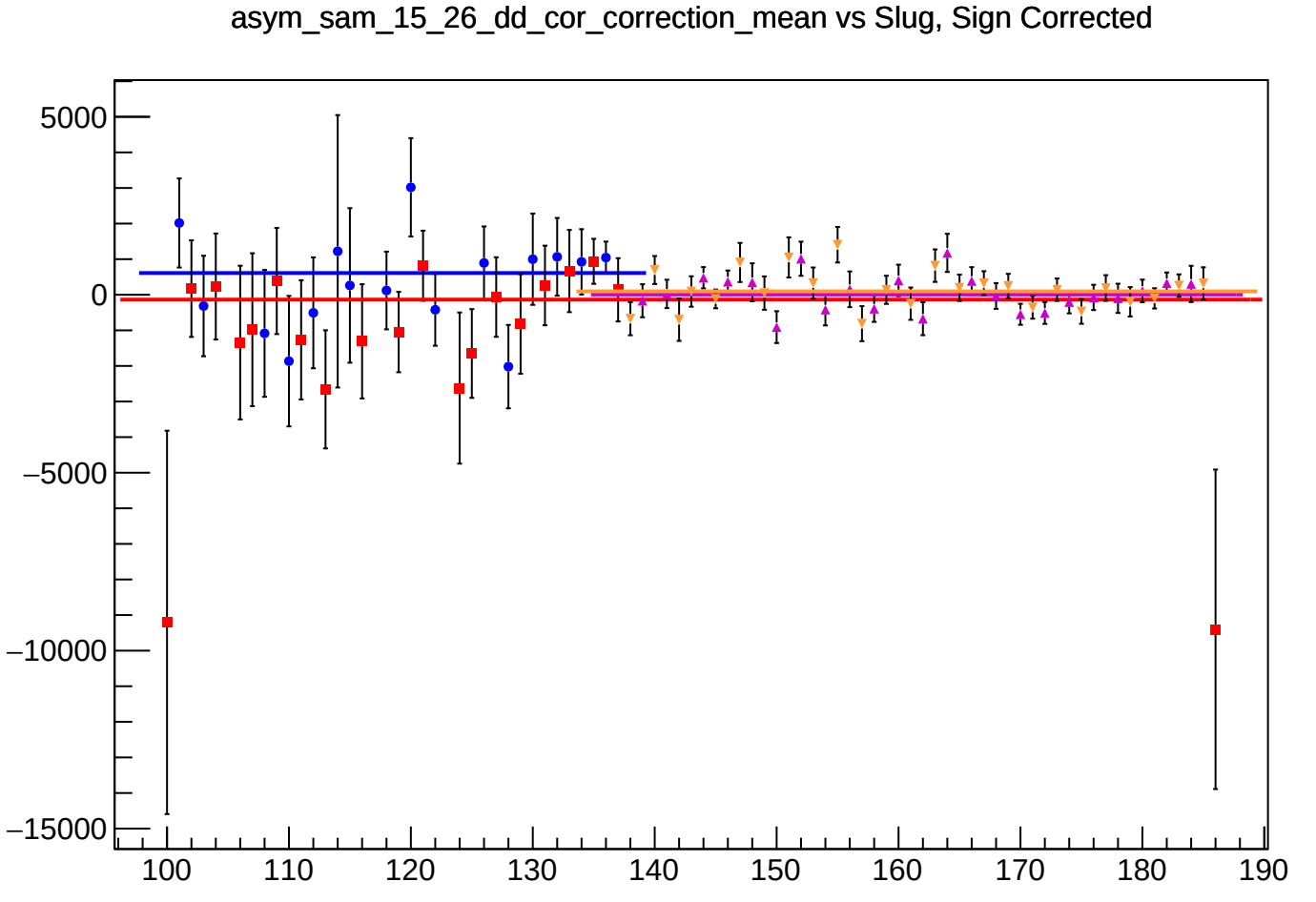
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 73.091+/-0.014 χ^2/NDF: 1557263.3/35

In: 56.837+/-0.008 χ^2/NDF:1757131.7/38

Out: 57.154+/-0.008 χ^2/NDF:2401971.6/44

All: 56.999+/-0.006 χ^2/NDF: 4159882.7/83



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

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

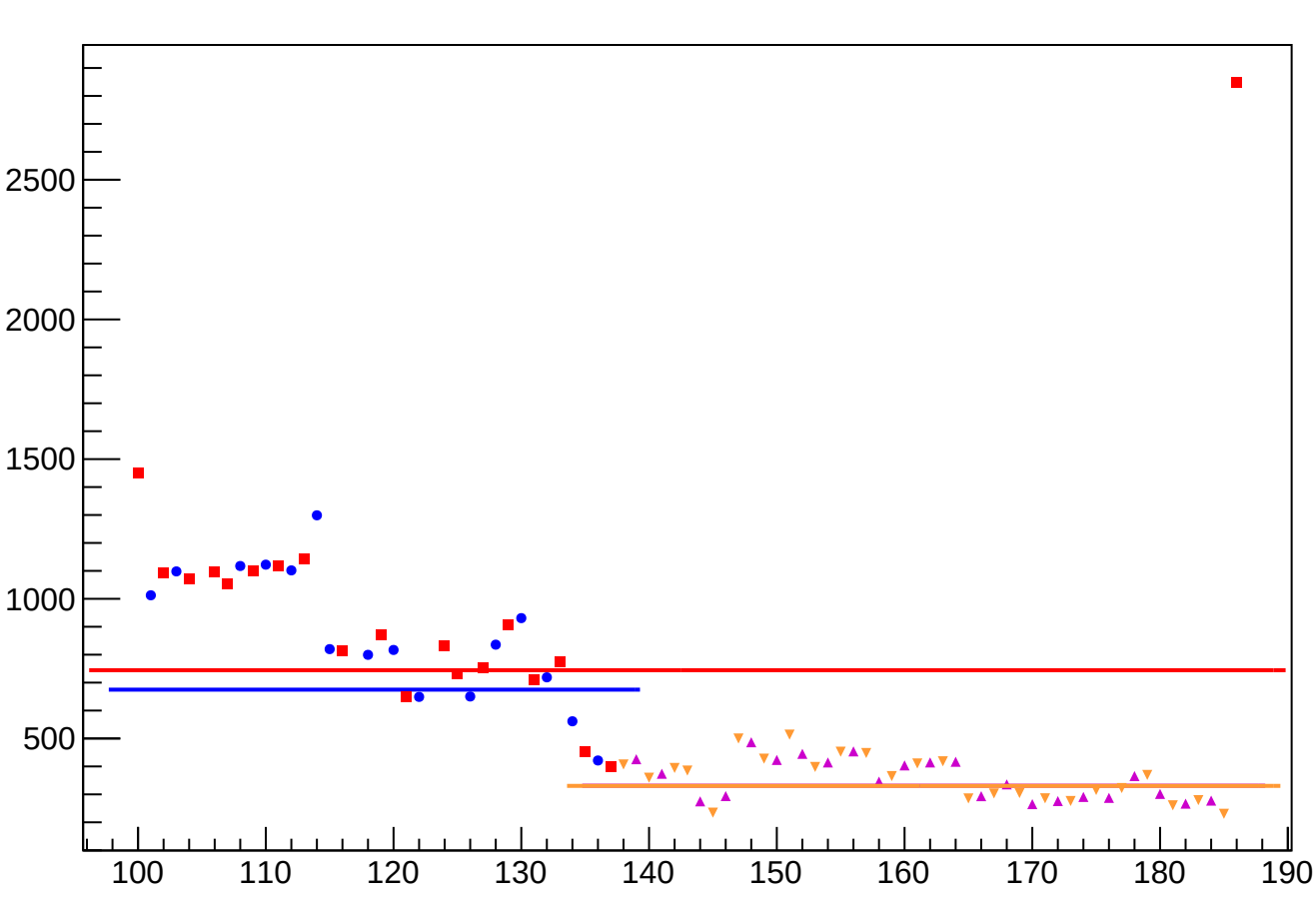
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 260.497+/-194.537 χ^2/NDF: 38.7/35

In: 56.597+/-75.860 χ^2/NDF:52.7/38

Out: 79.526+/-74.442 χ^2/NDF:53.2/44

All: 68.278+/-53.133 χ^2/NDF: 105.9/83



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

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

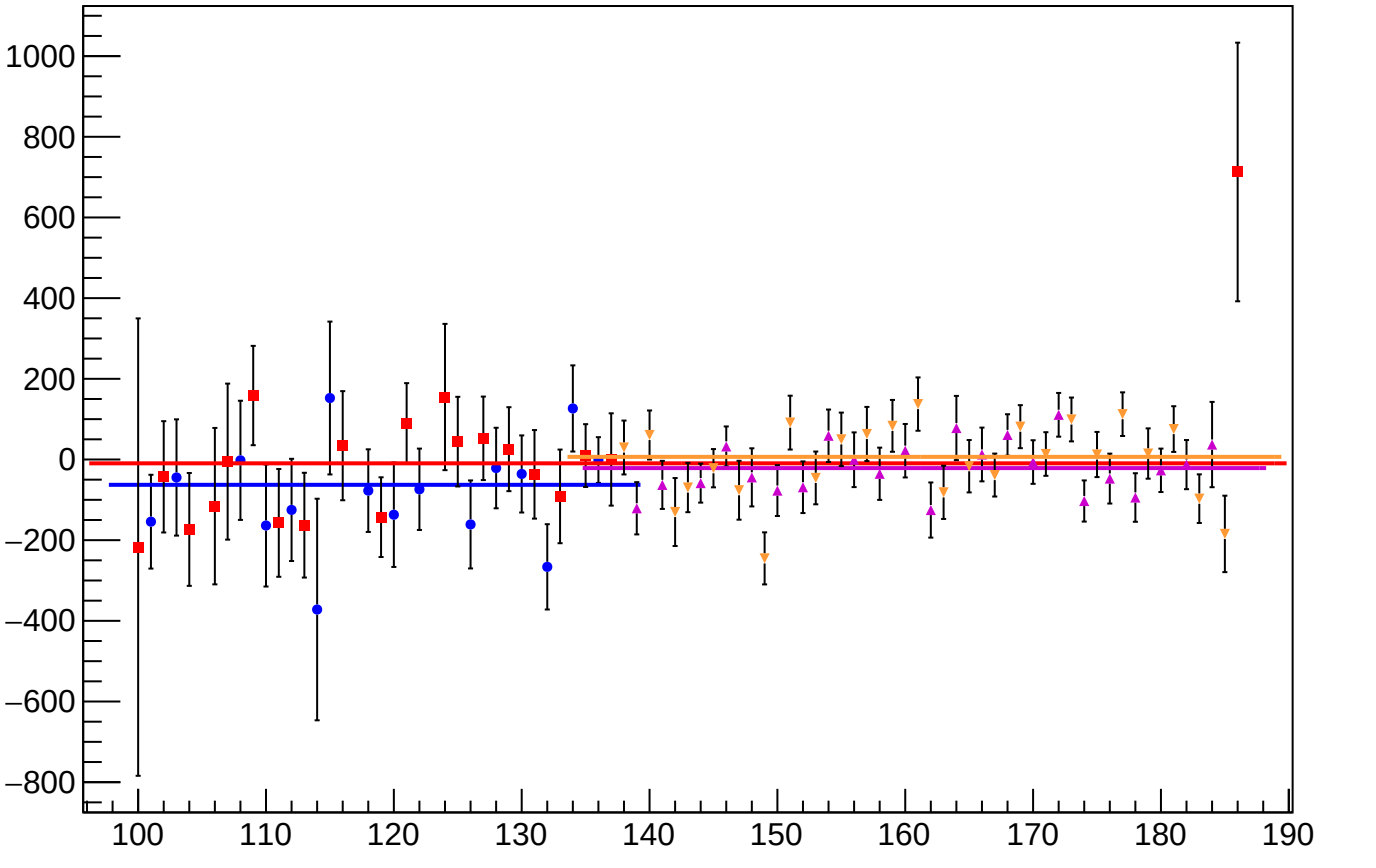
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 707.410+/-0.138 χ^2/NDF: 3619451.1/35

In: 358.850+/-0.054 χ^2/NDF:5995211.0/38

Out: 358.797+/-0.053 χ^2/NDF:7641722.7/44

All: 358.823+/-0.038 χ^2/NDF: 13636934.2/83



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

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

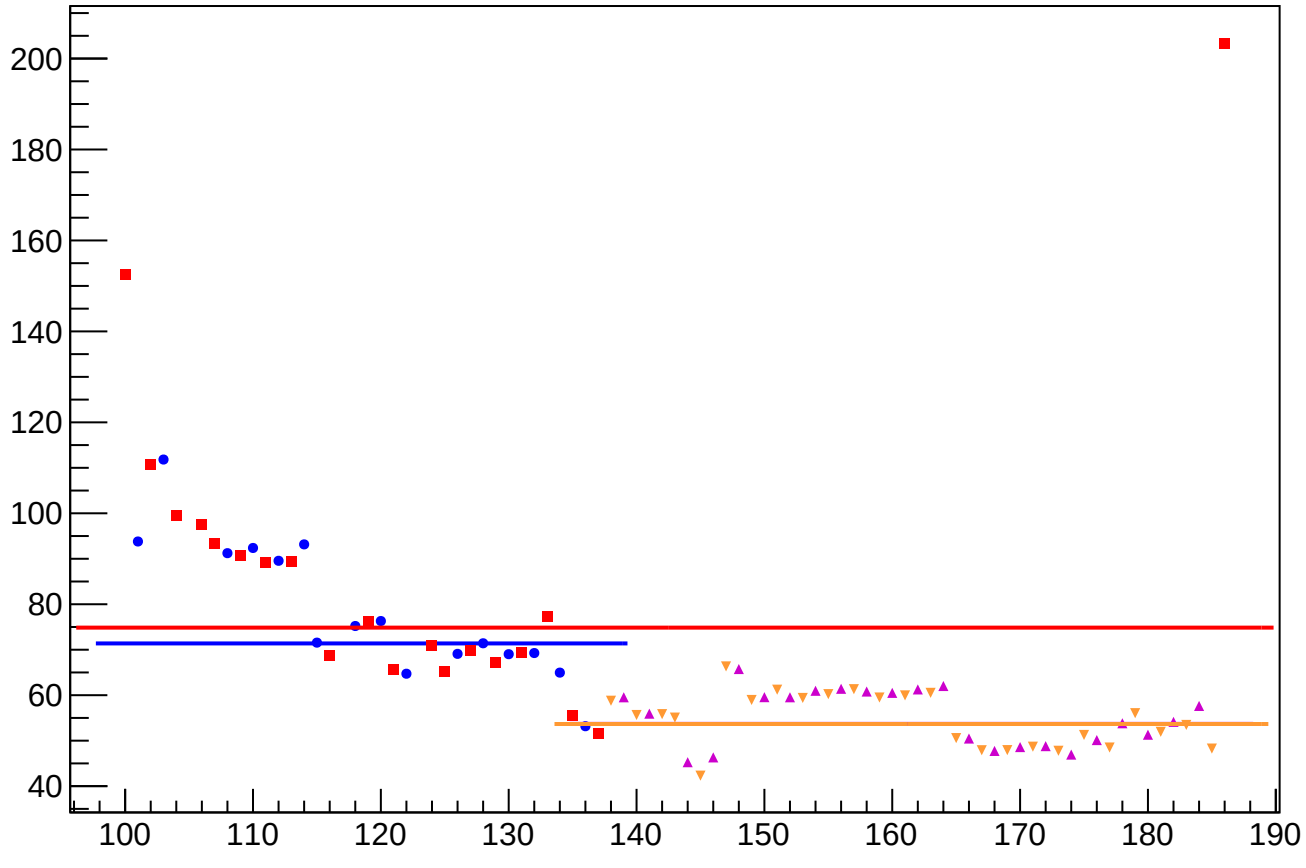
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -36.600+/-19.405 χ^2/NDF: 31.9/35

In: -28.700+/-11.471 χ^2/NDF:40.8/38

Out: 3.887+/-11.230 χ^2/NDF:67.4/44

All: -12.062+/-8.025 χ^2/NDF: 112.3/83



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

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

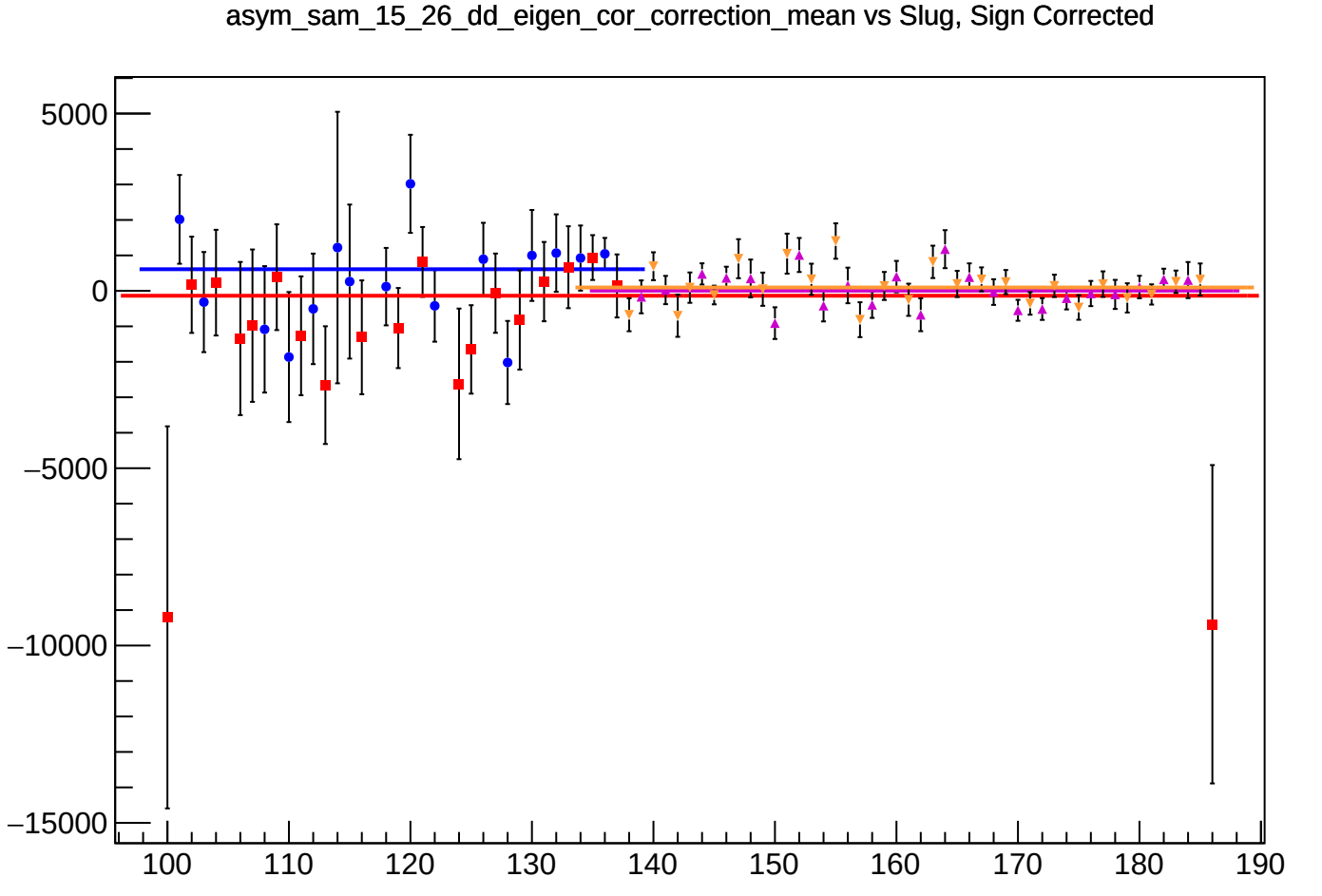
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 73.091+/-0.014 χ^2/NDF: 1557263.3/35

In: 56.837+/-0.008 χ^2/NDF:1757131.7/38

Out: 57.154+/-0.008 χ^2/NDF:2401971.6/44

All: 56.999+/-0.006 χ^2/NDF: 4159882.7/83



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

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

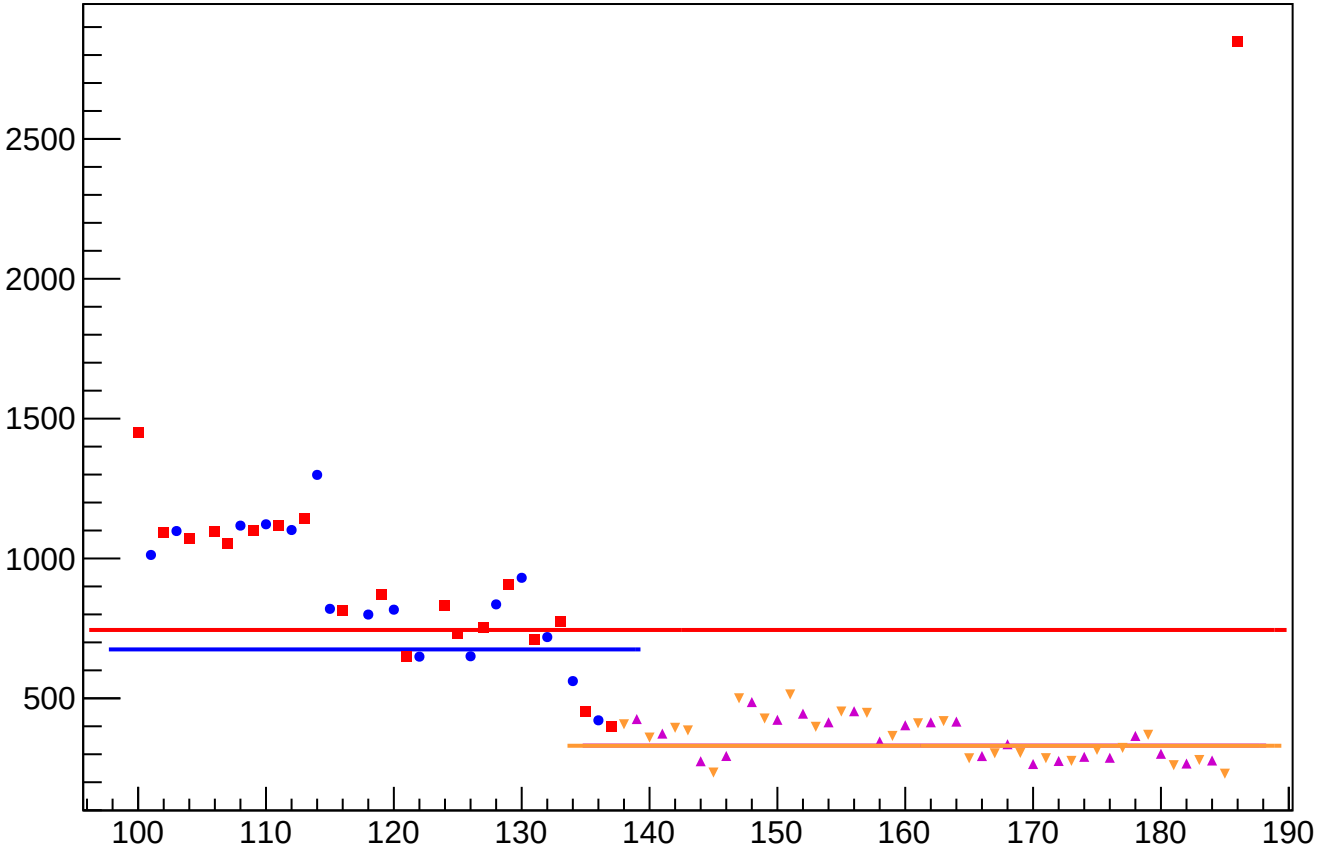
Right: 260.497+/-194.537 χ^2/NDF: 38.7/35

In: 56.597+/-75.860 χ^2/NDF:52.7/38

Out: 79.526+/-74.442 χ^2/NDF:53.2/44

All: 68.278+/-53.133 χ^2/NDF: 105.9/83

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 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

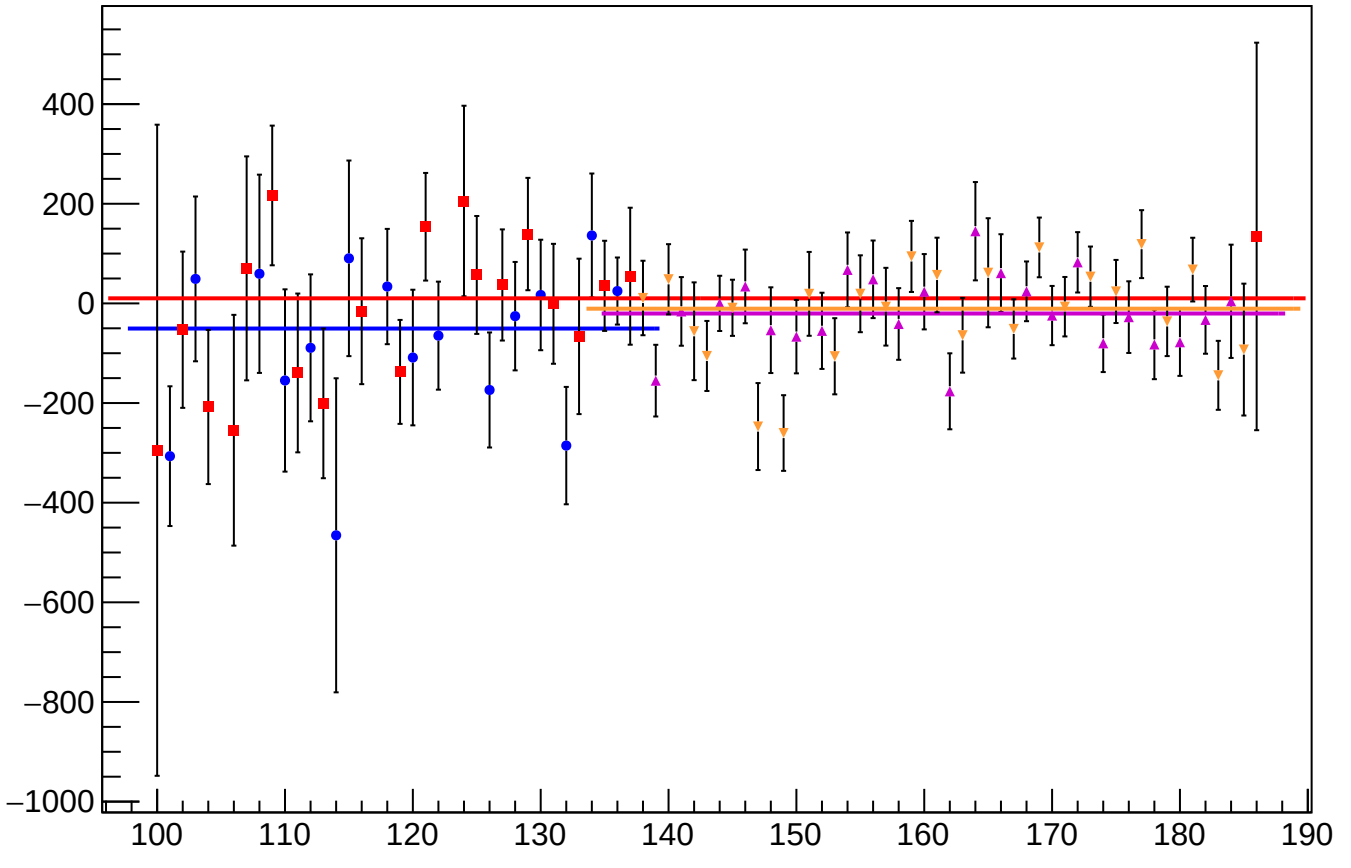
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 707.410+/-0.138 χ^2/NDF: 3619451.1/35

In: 358.850+/-0.054 χ^2/NDF:5995211.0/38

Out: 358.797+/-0.053 χ^2/NDF:7641722.7/44

All: 358.823+/-0.038 χ^2/NDF: 13636934.2/83



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

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

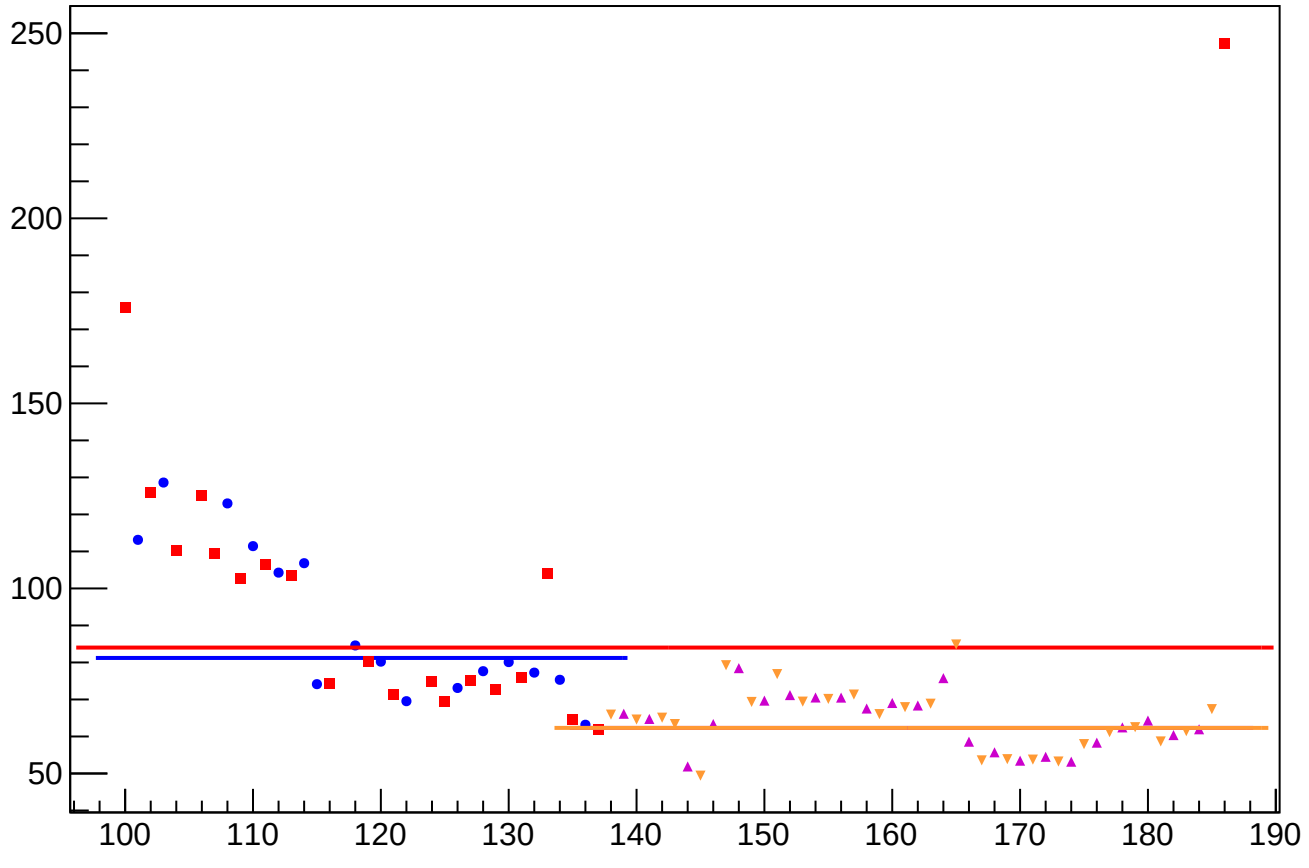
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -20.213+/-21.989 χ^2/NDF: 34.0/35

In: -25.855+/-13.324 χ^2/NDF:38.9/38

Out: -6.987+/-13.003 χ^2/NDF:58.2/44

All: -16.191+/-9.306 χ^2/NDF: 98.1/83



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

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

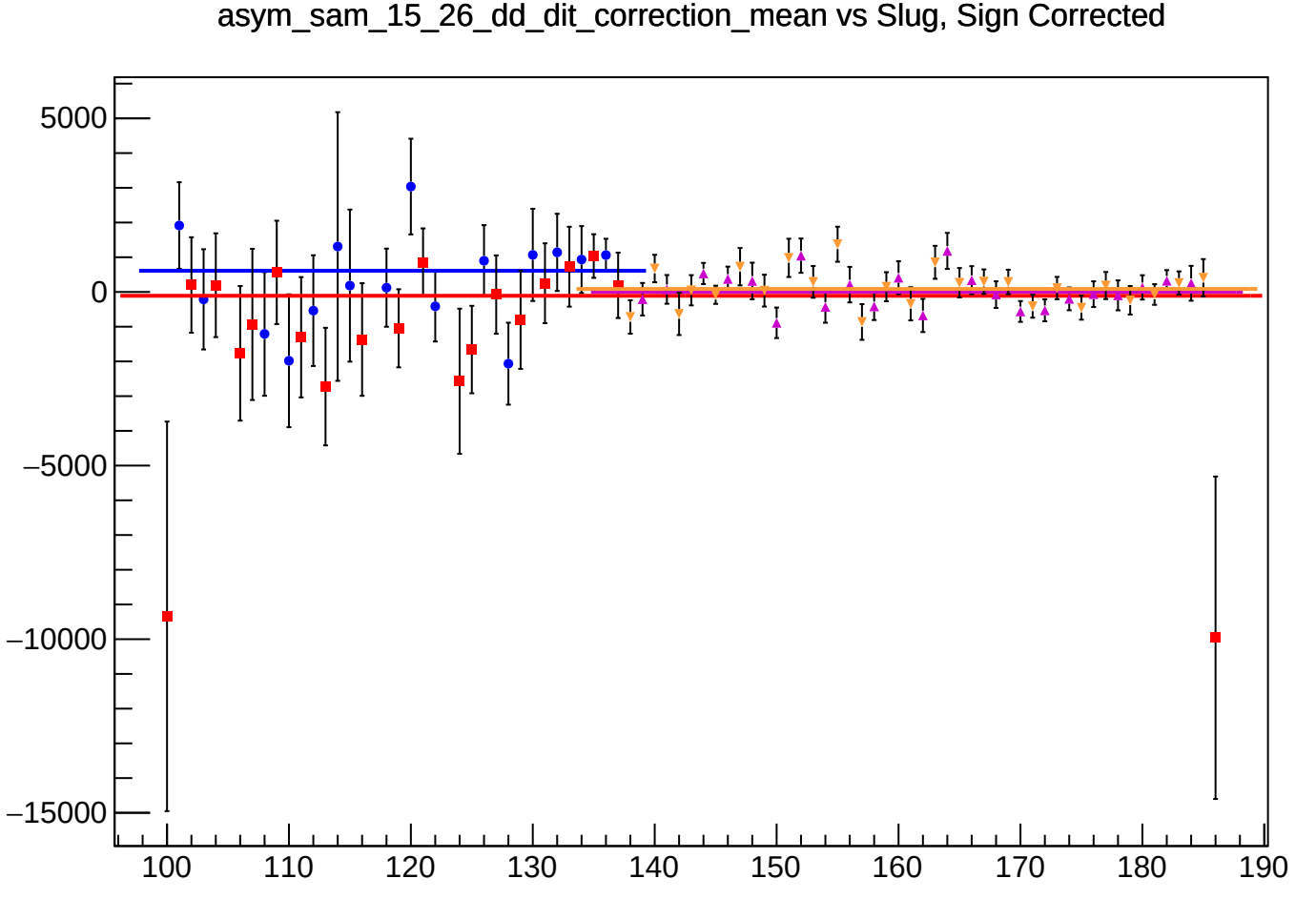
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 82.617+/-0.016 χ^2/NDF: 1755691.1/35

In: 65.789+/-0.009 χ^2/NDF:1752142.3/38

Out: 66.102+/-0.009 χ^2/NDF:2523562.1/44

All: 65.950+/-0.007 χ^2/NDF: 4276269.5/83



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

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

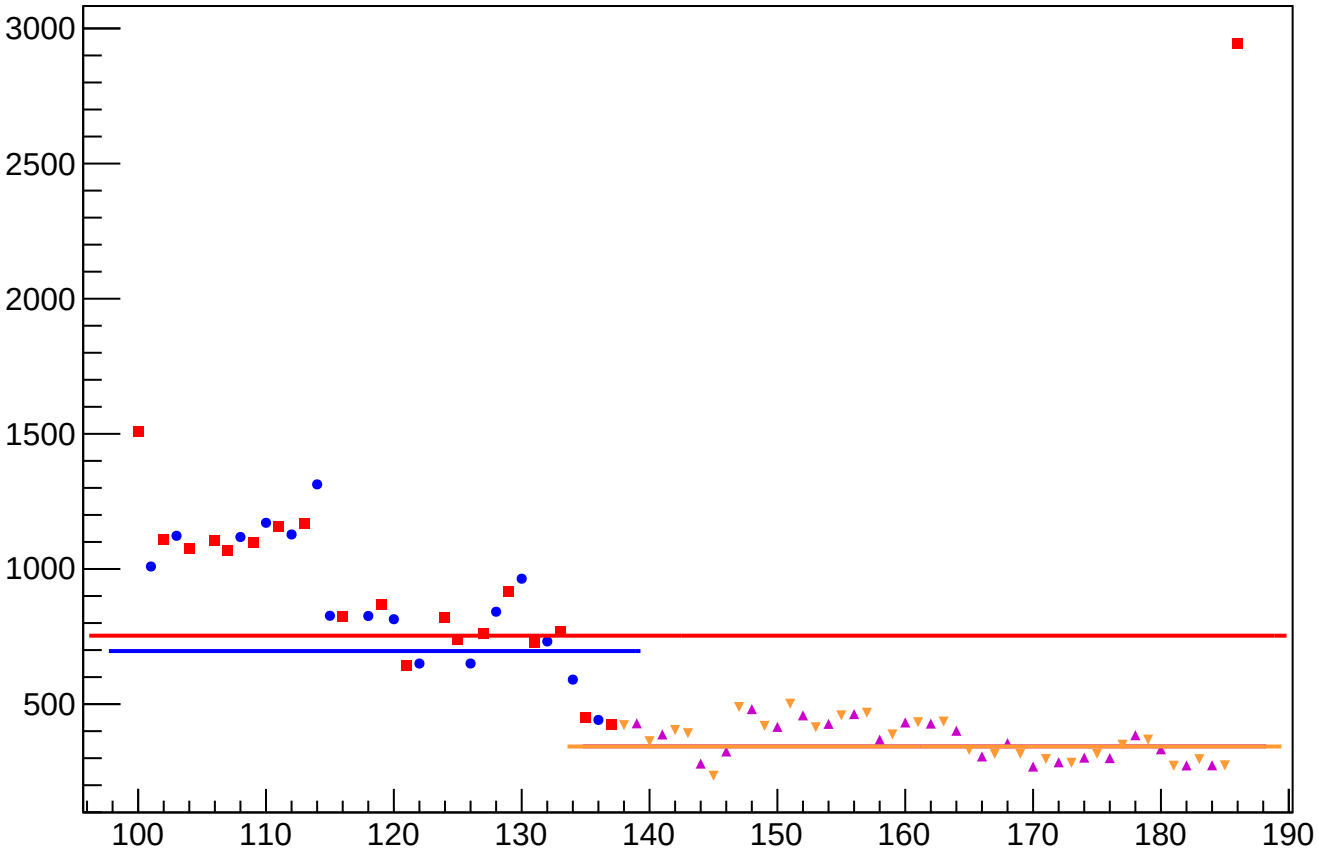
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 266.050+/-197.941 χ^2/NDF: 39.8/35

In: 56.266+/-78.654 χ^2/NDF:52.7/38

Out: 72.778+/-76.902 χ^2/NDF:52.8/44

All: 64.708+/-54.987 χ^2/NDF: 105.5/83



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

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

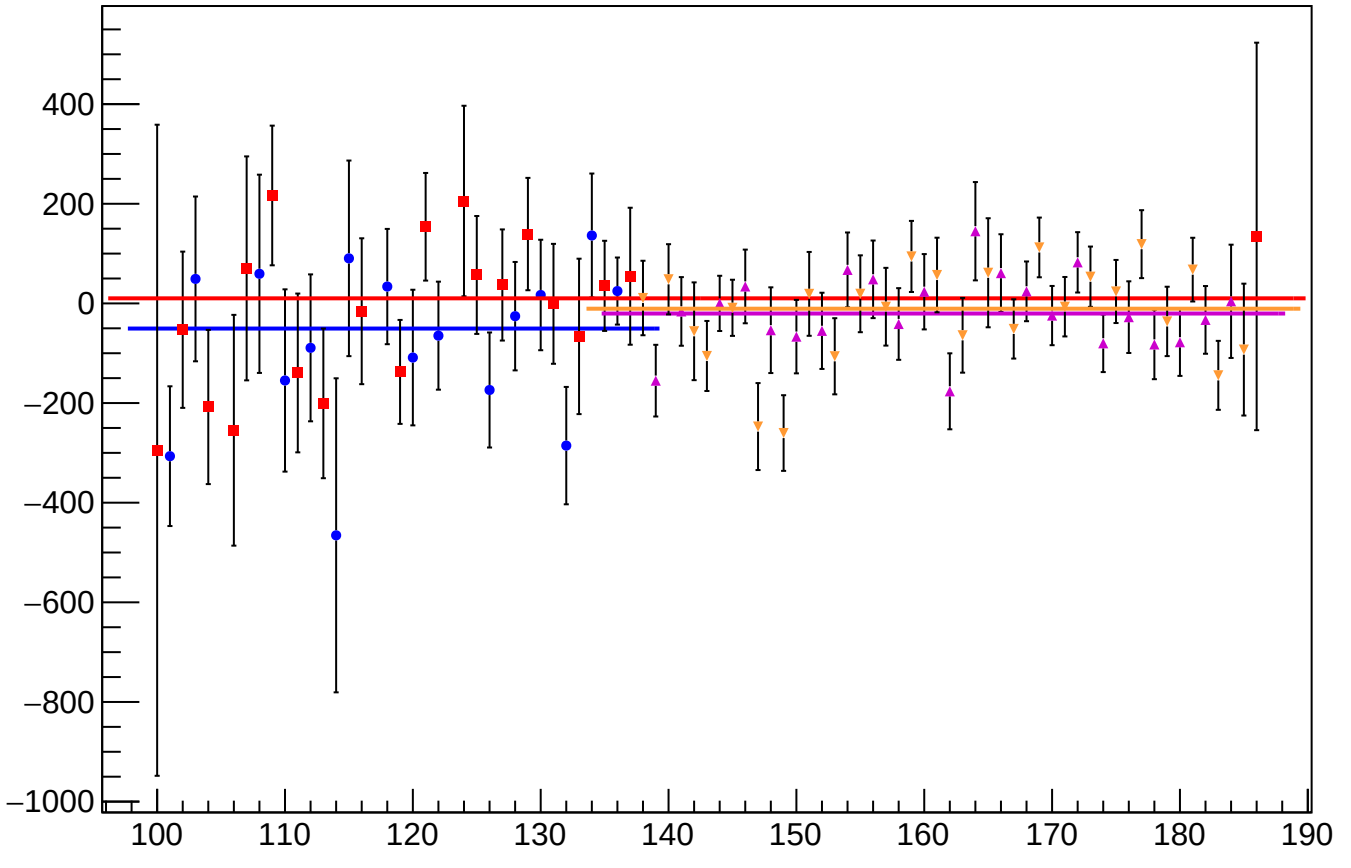
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 723.556+/-0.140 χ^2/NDF: 3502063.0/35

In: 372.780+/-0.056 χ^2/NDF:5814255.3/38

Out: 372.810+/-0.054 χ^2/NDF:7347082.0/44

All: 372.796+/-0.039 χ^2/NDF: 13161337.5/83



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

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

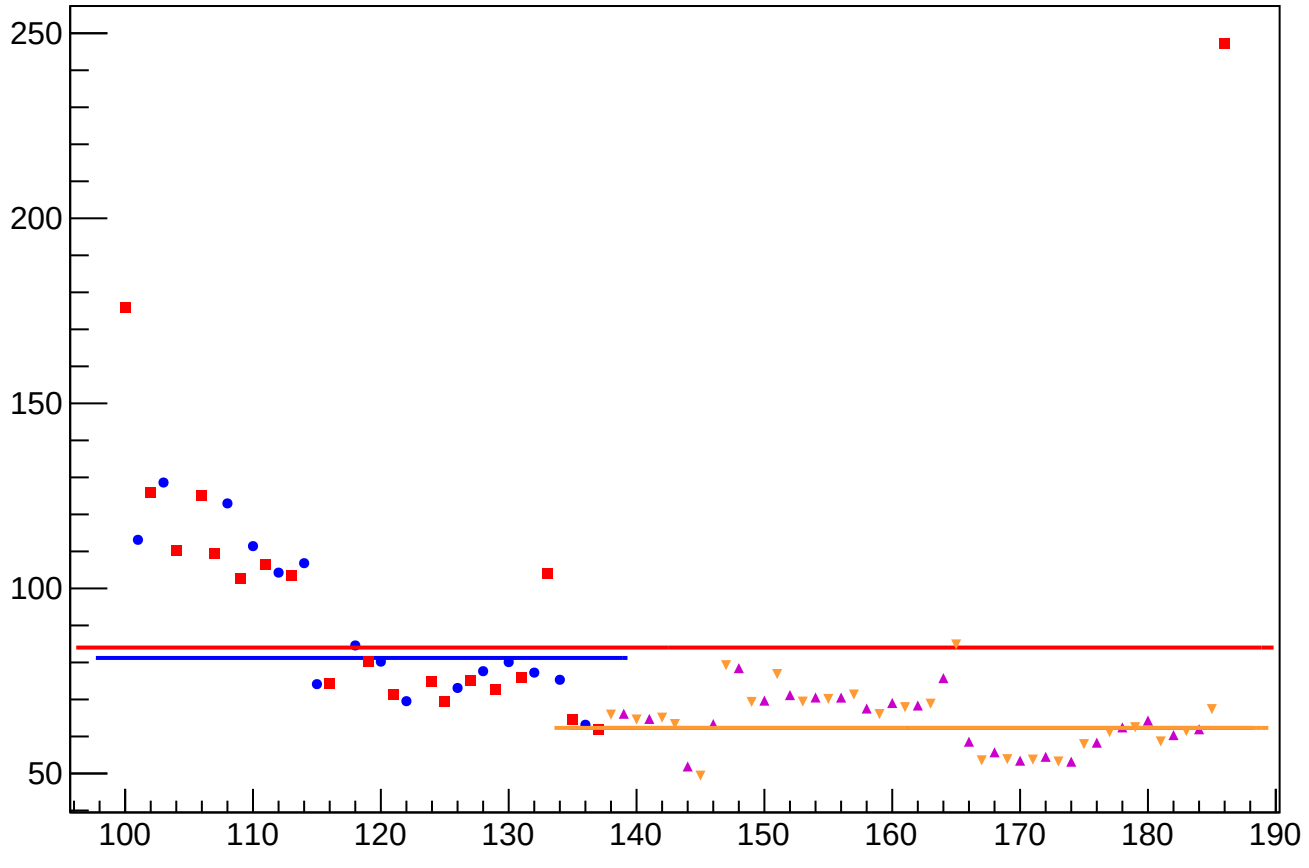
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -20.213+/-21.989 χ^2/NDF: 34.0/35

In: -25.855+/-13.324 χ^2/NDF:38.9/38

Out: -6.986+/-13.003 χ^2/NDF:58.2/44

All: -16.191+/-9.306 χ^2/NDF: 98.1/83



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

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

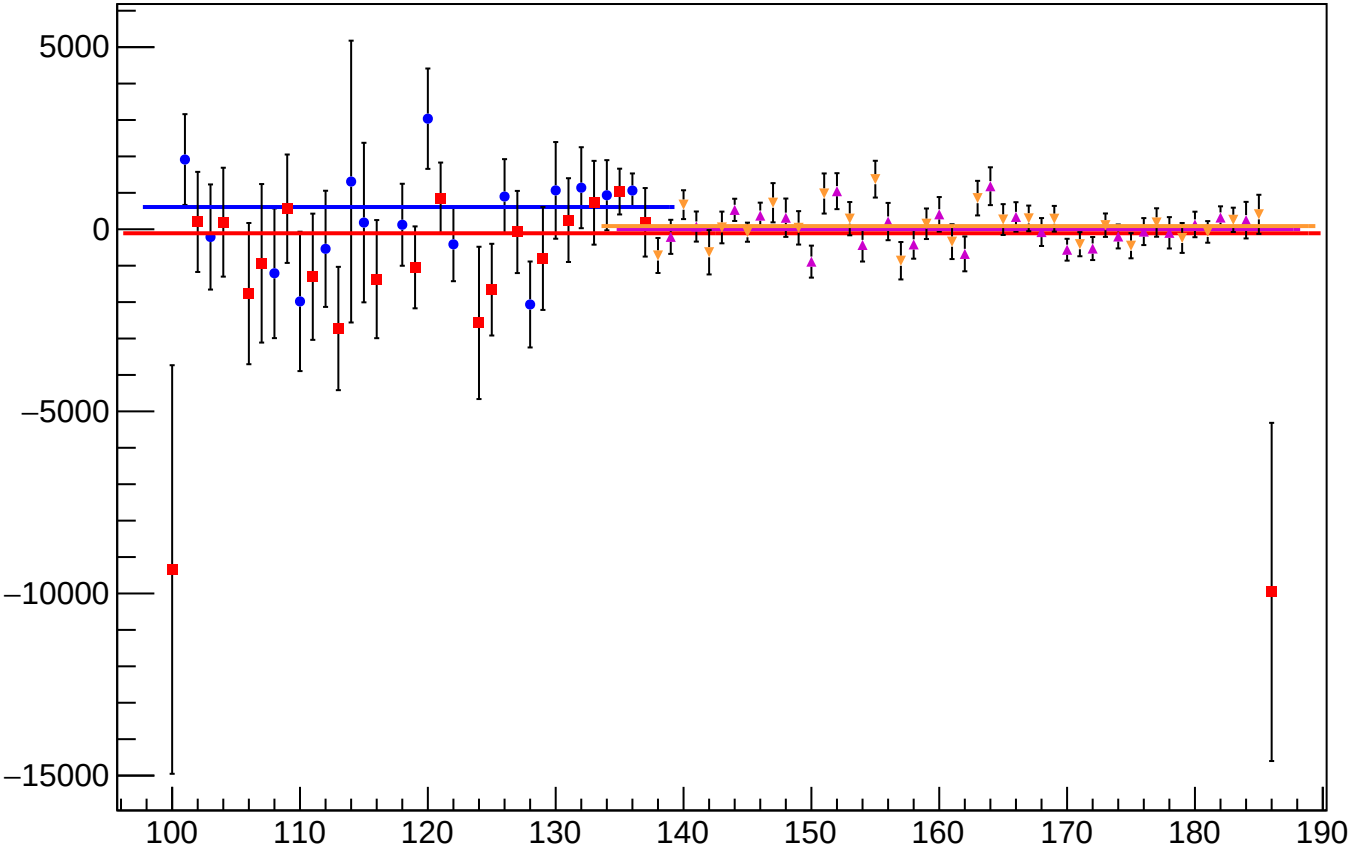
Right: 82.617+/-0.016 χ^2/NDF: 1755658.0/35

In: 65.790+/-0.009 χ^2/NDF:1752088.2/38

Out: 66.102+/-0.009 χ^2/NDF:2523517.6/44

All: 65.950+/-0.007 χ^2/NDF: 4276170.6/83

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 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

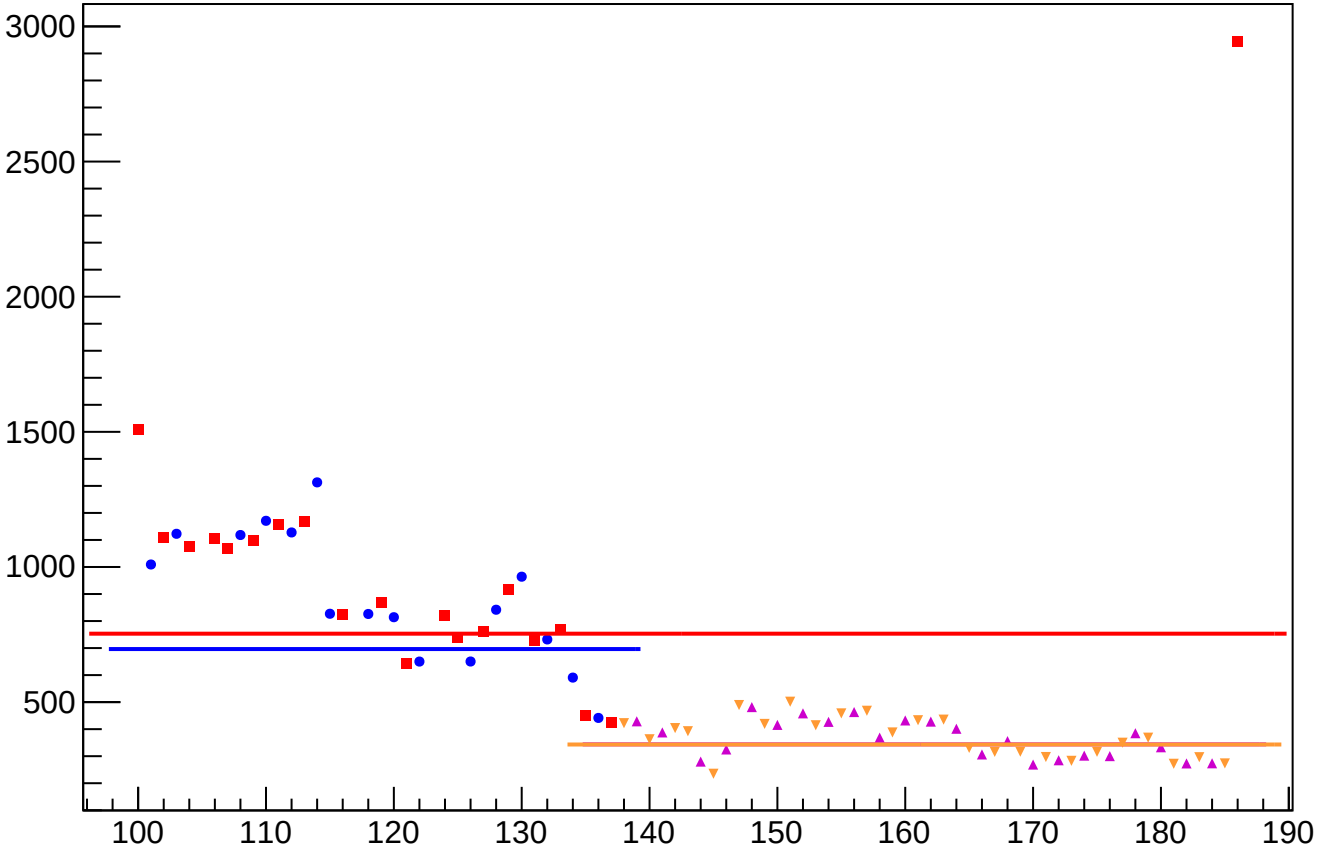
Right: 266.049+/-197.940 χ^2/NDF: 39.8/35

In: 56.266+/-78.654 χ^2/NDF:52.7/38

Out: 72.778+/-76.902 χ^2/NDF:52.8/44

All: 64.708+/-54.987 χ^2/NDF: 105.5/83

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

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

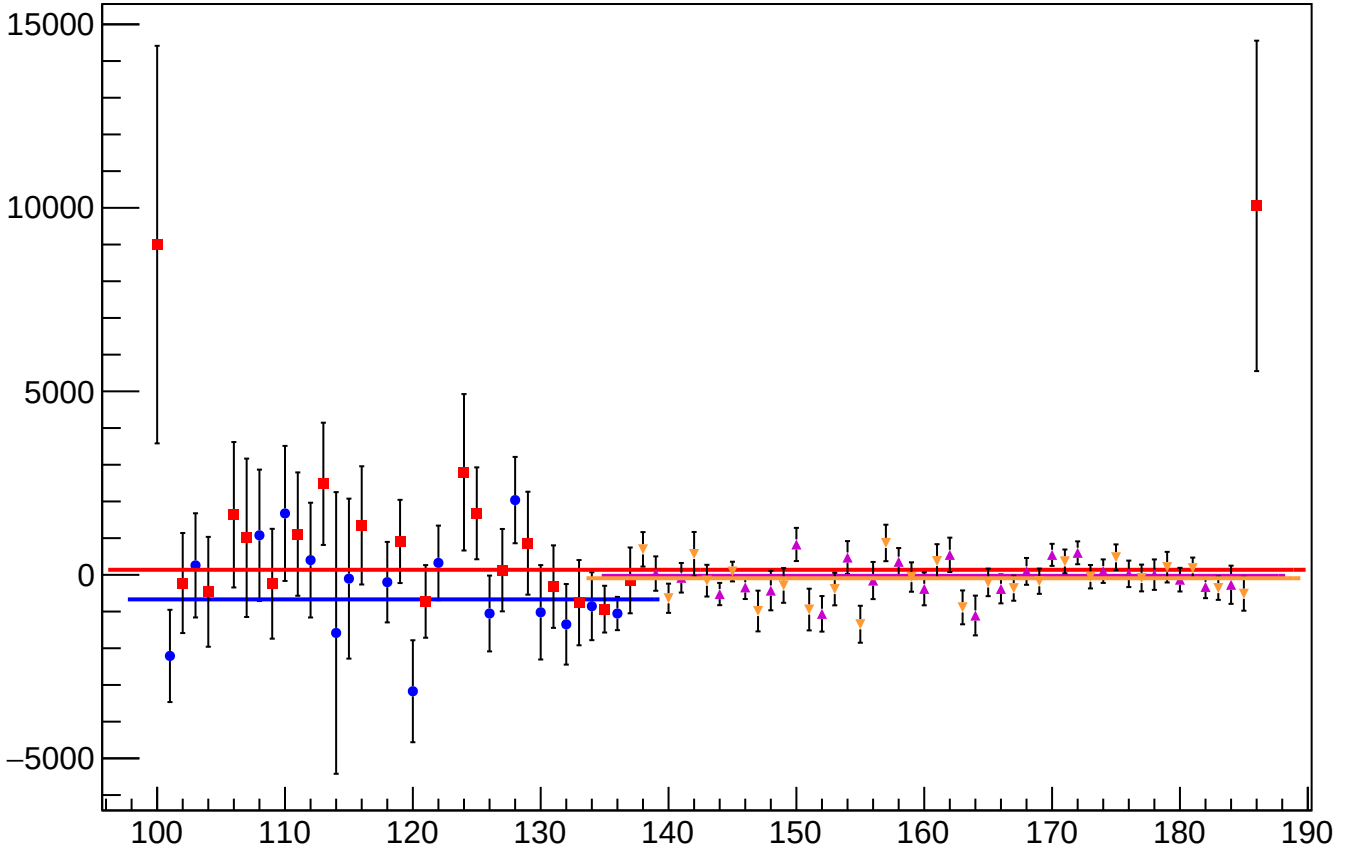
Right: 723.555+/-0.140 χ^2/NDF: 3502033.0/35

In: 372.781+/-0.056 χ^2/NDF:5814246.2/38

Out: 372.811+/-0.054 χ^2/NDF:7347081.3/44

All: 372.796+/-0.039 χ^2/NDF: 13161327.7/83

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

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

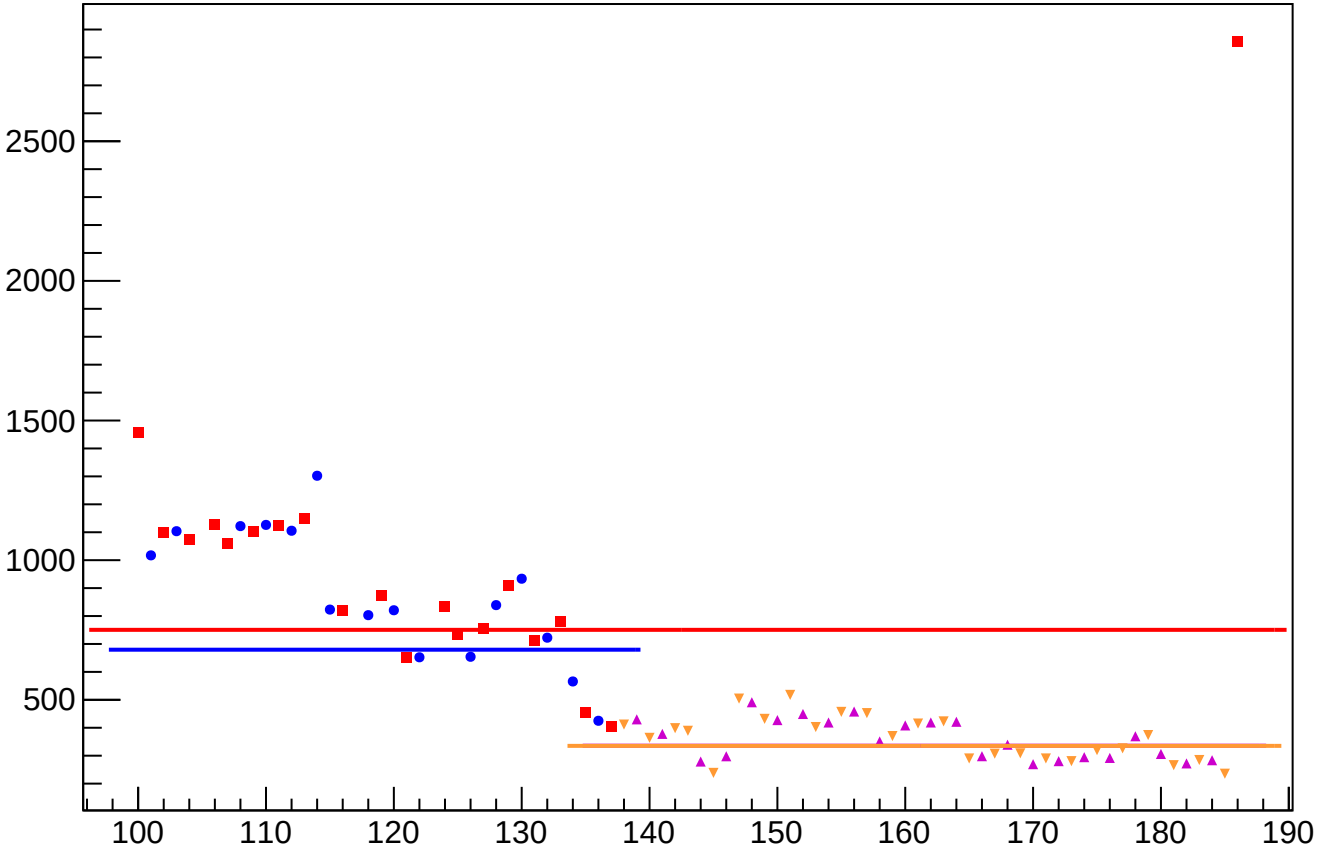
Right: -289.780+/-195.512 χ^2/NDF: 40.1/35

In: -79.732+/-76.851 χ^2/NDF:52.3/38

Out: -76.559+/-75.404 χ^2/NDF:54.5/44

All: -78.115+/-53.823 χ^2/NDF: 106.8/83

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

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

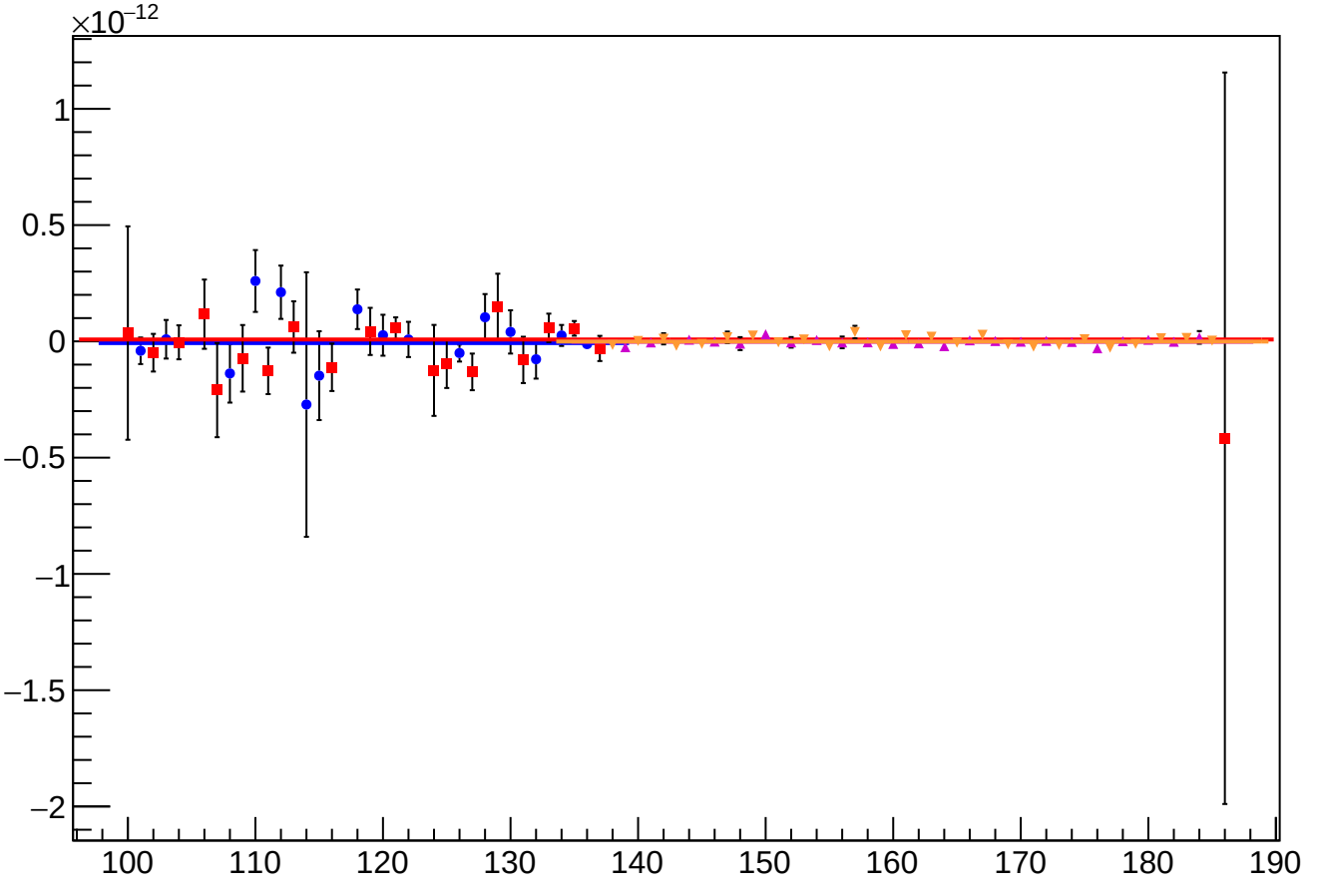
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 712.860+/-0.138 χ^2/NDF: 3610825.3/35

In: 363.953+/-0.054 χ^2/NDF:5901653.5/38

Out: 364.167+/-0.053 χ^2/NDF:7594100.0/44

All: 364.062+/-0.038 χ^2/NDF: 13495761.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

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

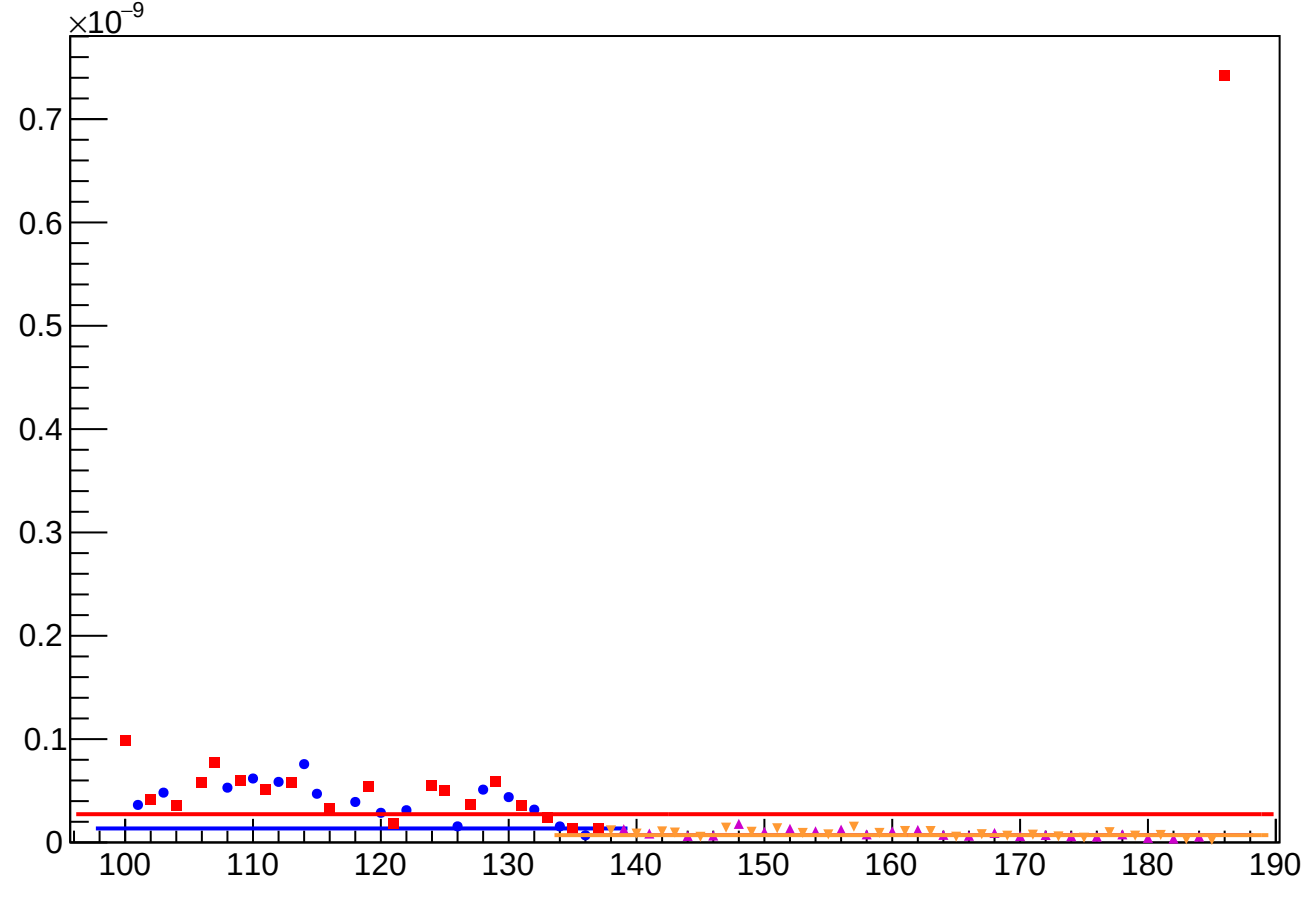
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 34.9/35

In: -0.000+/-0.000 χ^2/NDF:32.3/38

Out: -0.000+/-0.000 χ^2/NDF:50.6/44

All: -0.000+/-0.000 χ^2/NDF: 83.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

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

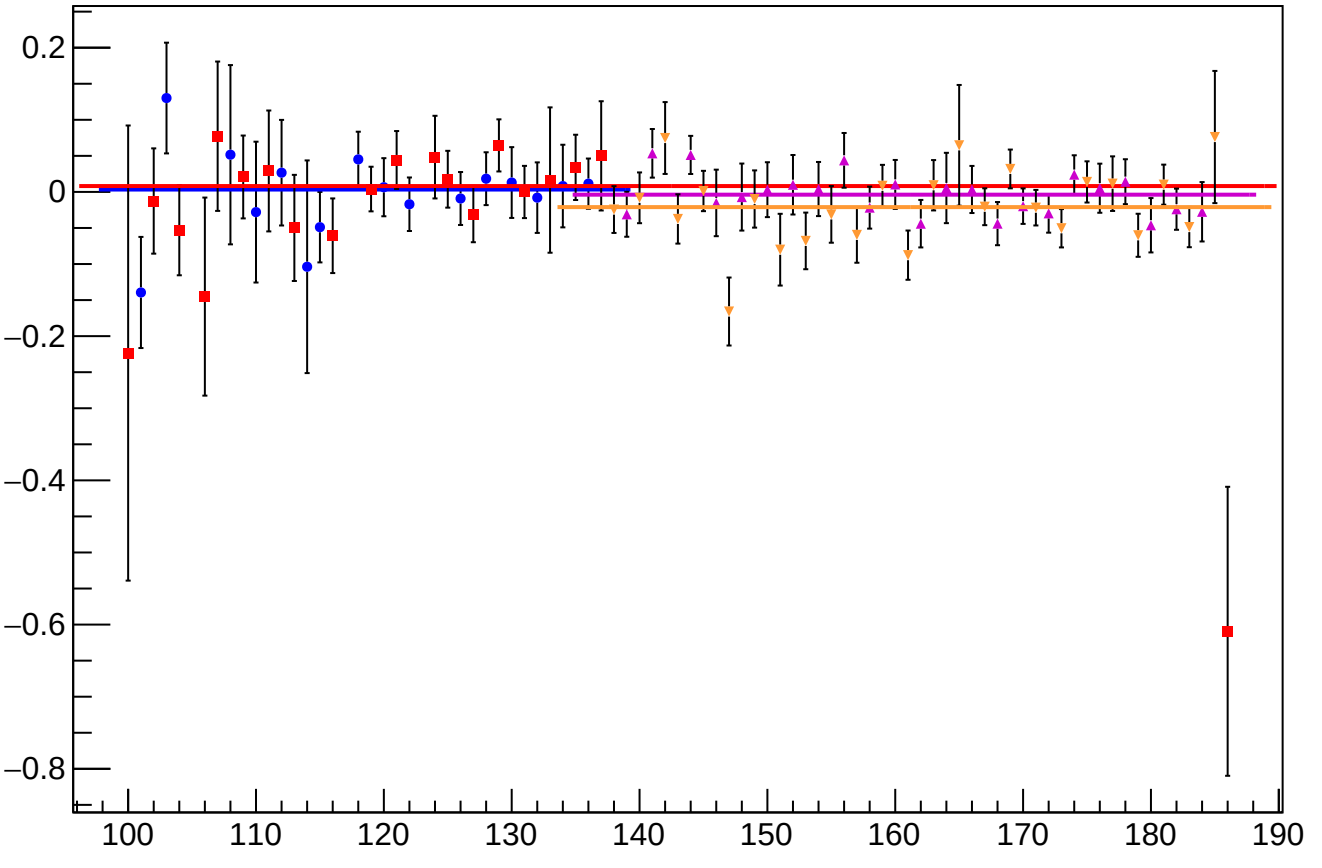
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6125601.1/35

In: 0.000+/-0.000 χ^2/NDF:5326337.8/38

Out: 0.000+/-0.000 χ^2/NDF:6816339.3/44

All: 0.000+/-0.000 χ^2/NDF: 12143396.2/83



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

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

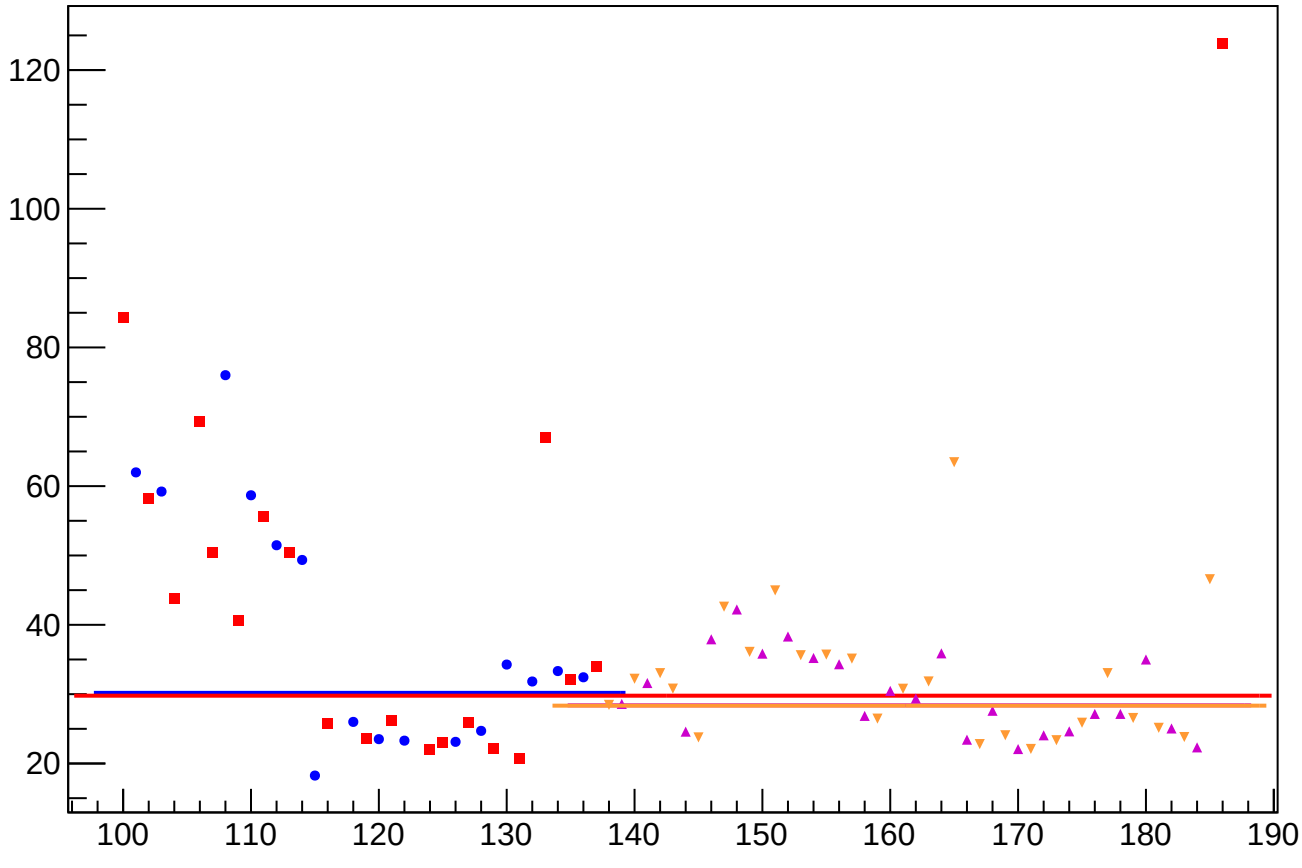
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.009 χ^2/NDF: 31.0/35

In: -0.002+/-0.006 χ^2/NDF:29.1/38

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.7/83



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

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

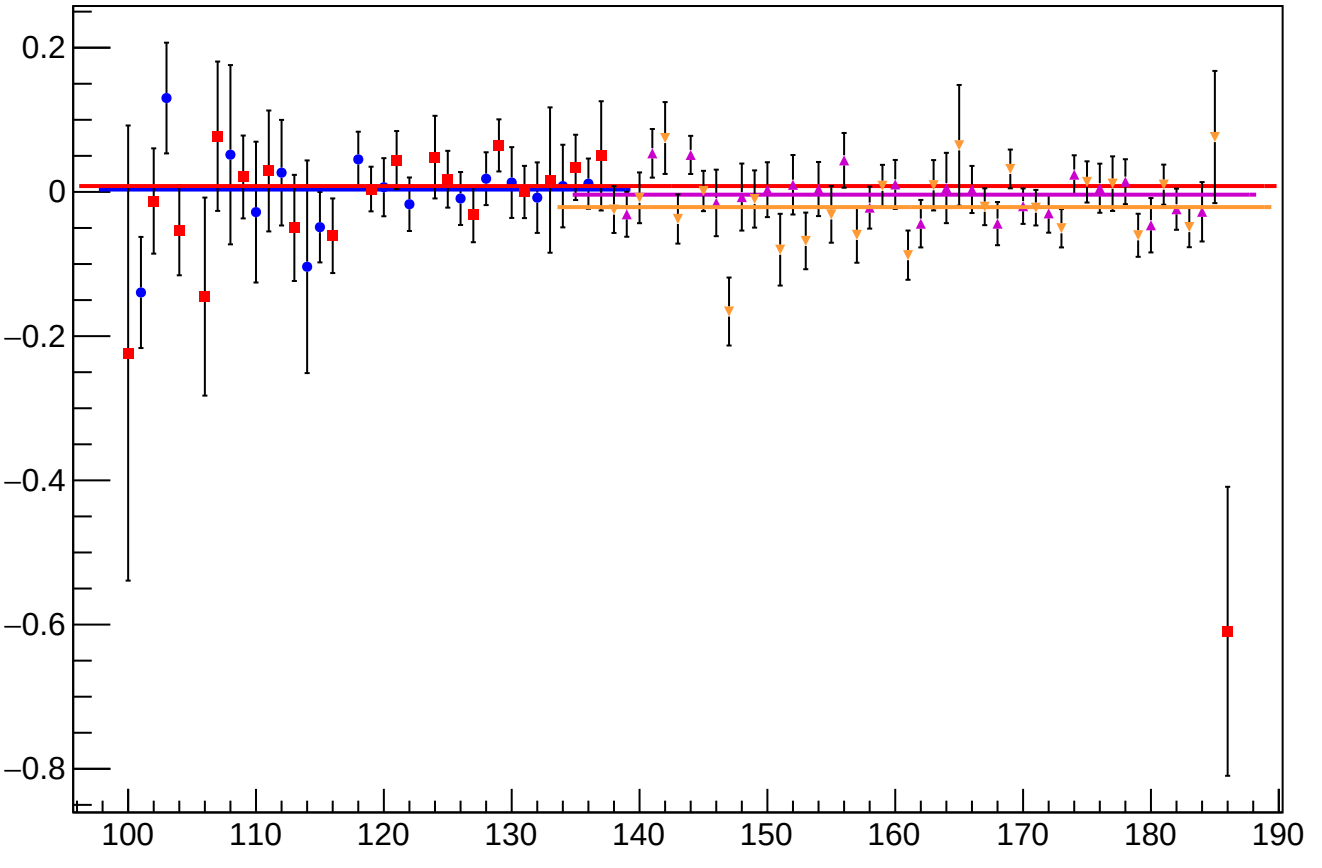
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 29.974+/-0.006 χ^2/NDF: 3979089.8/35

In: 28.817+/-0.004 χ^2/NDF:2818877.2/38

Out: 28.690+/-0.004 χ^2/NDF:4046641.5/44

All: 28.751+/-0.003 χ^2/NDF: 6865981.3/83



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

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

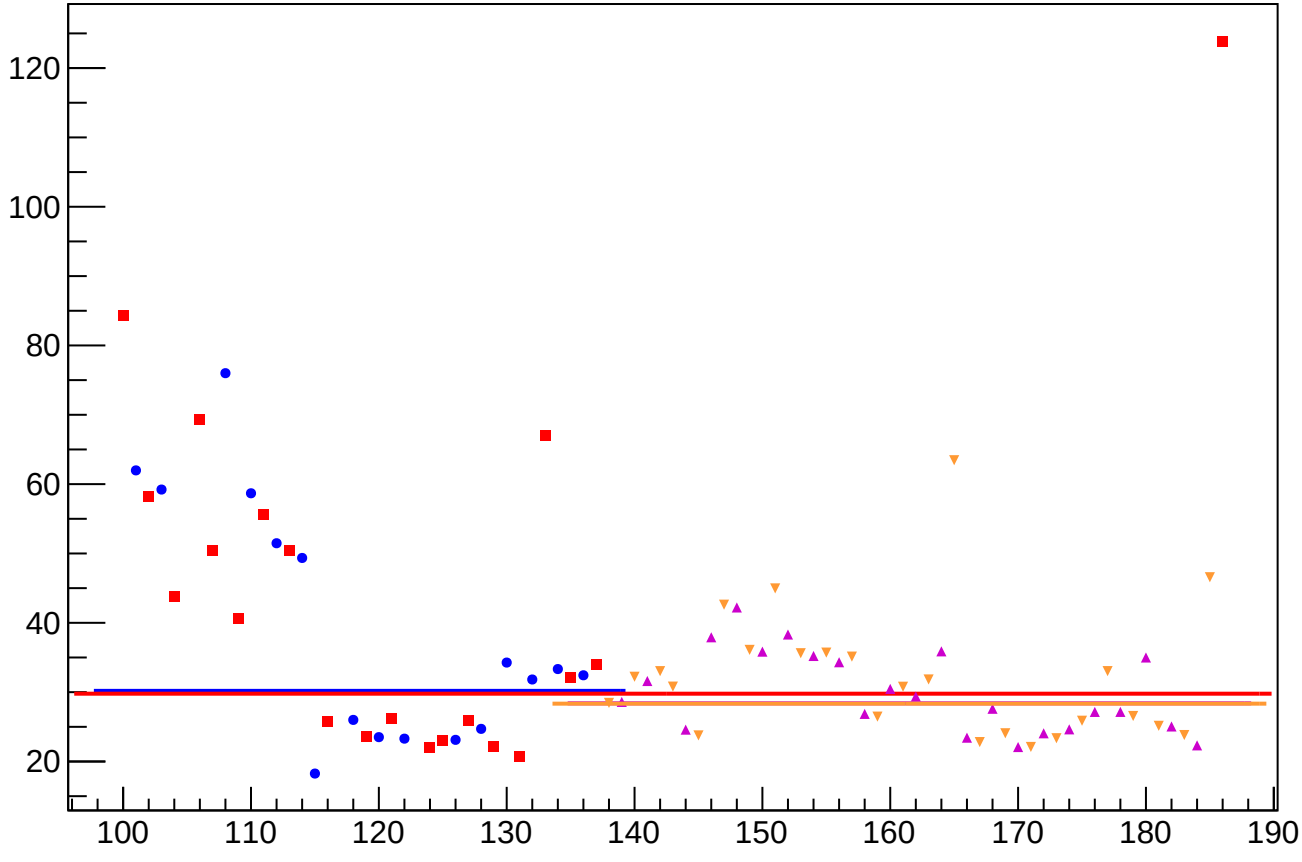
Right: 0.006+/-0.009 χ^2/NDF: 31.0/35

In: -0.002+/-0.006 χ^2/NDF:29.1/38

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.7/83

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.342+/-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

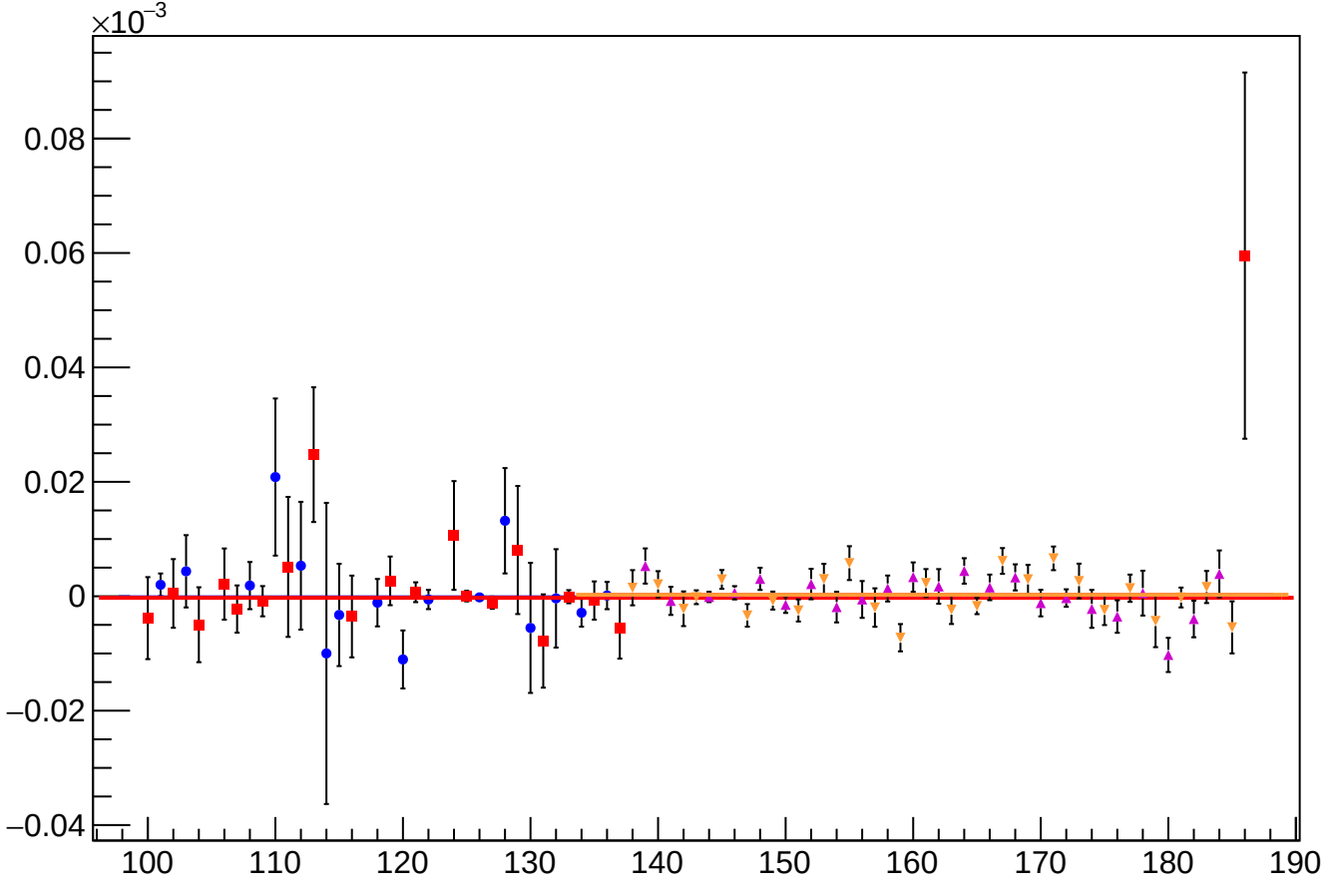
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 29.974+/-0.006 χ^2/NDF: 3979089.8/35

In: 28.817+/-0.004 χ^2/NDF:2818877.2/38

Out: 28.690+/-0.004 χ^2/NDF:4046641.5/44

All: 28.751+/-0.003 χ^2/NDF: 6865981.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

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

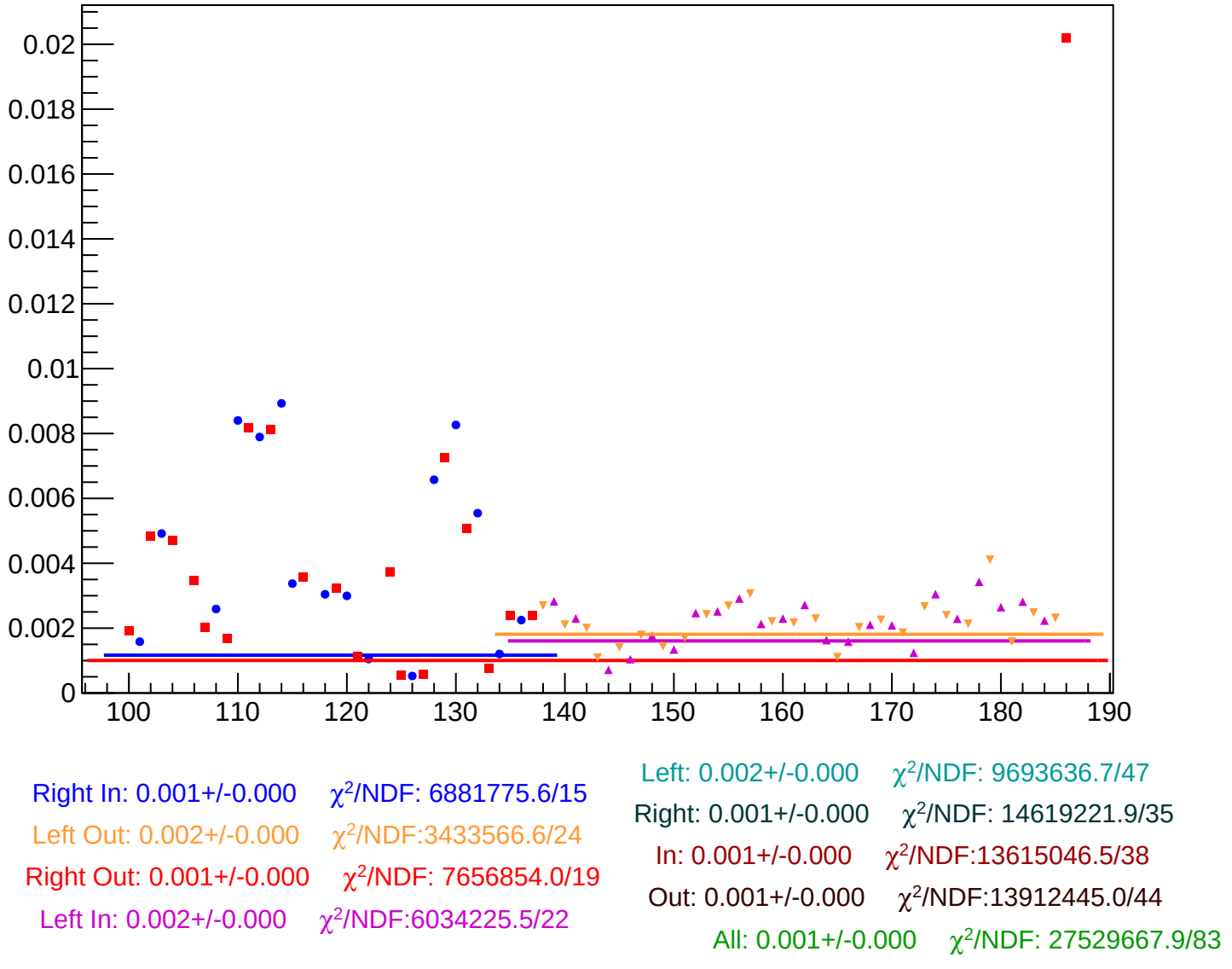
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

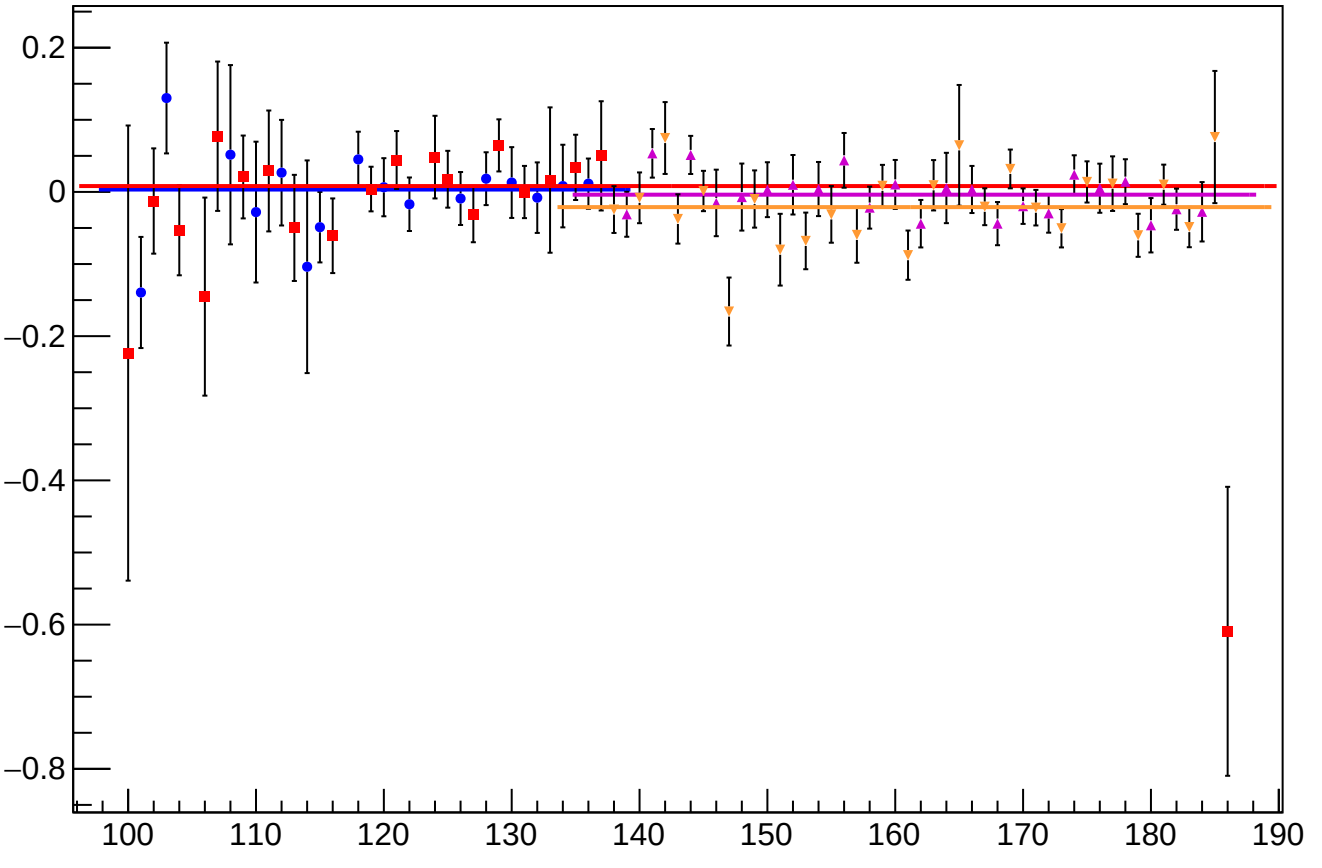
Right: -0.000+/-0.000 χ^2/NDF: 28.0/35

In: 0.000+/-0.000 χ^2/NDF:46.7/38

Out: 0.000+/-0.000 χ^2/NDF:66.3/44

All: 0.000+/-0.000 χ^2/NDF: 113.0/83


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7656854.0/19
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
Left: 0.002+/-0.000 χ²/NDF: 9693636.7/47
Right: 0.001+/-0.000 χ²/NDF: 14619221.9/35
In: 0.001+/-0.000 χ²/NDF:13615046.5/38
Out: 0.001+/-0.000 χ²/NDF:13912445.0/44
All: 0.001+/-0.000 χ²/NDF: 27529667.9/83



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

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

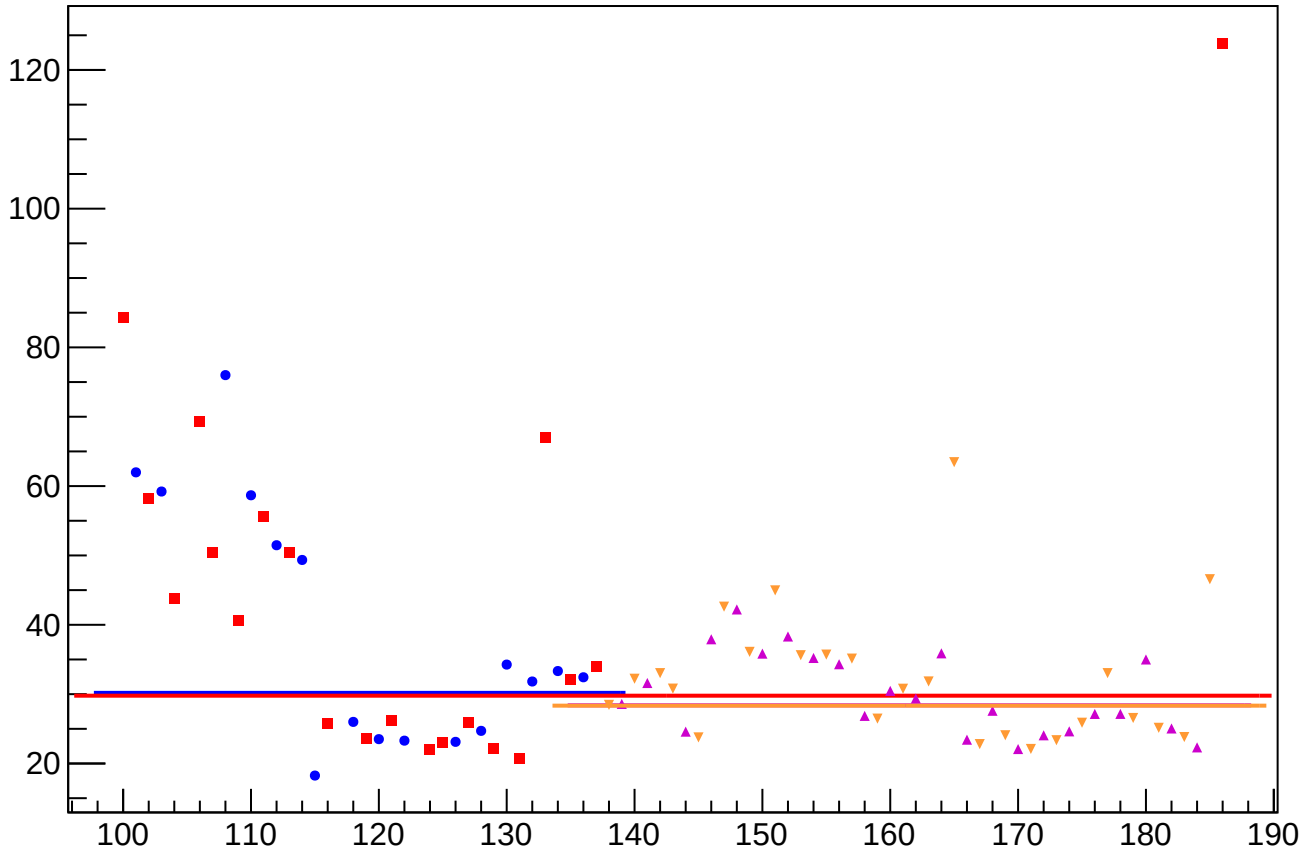
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.009 χ^2/NDF: 31.0/35

In: -0.002+/-0.006 χ^2/NDF:29.1/38

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.7/83



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

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

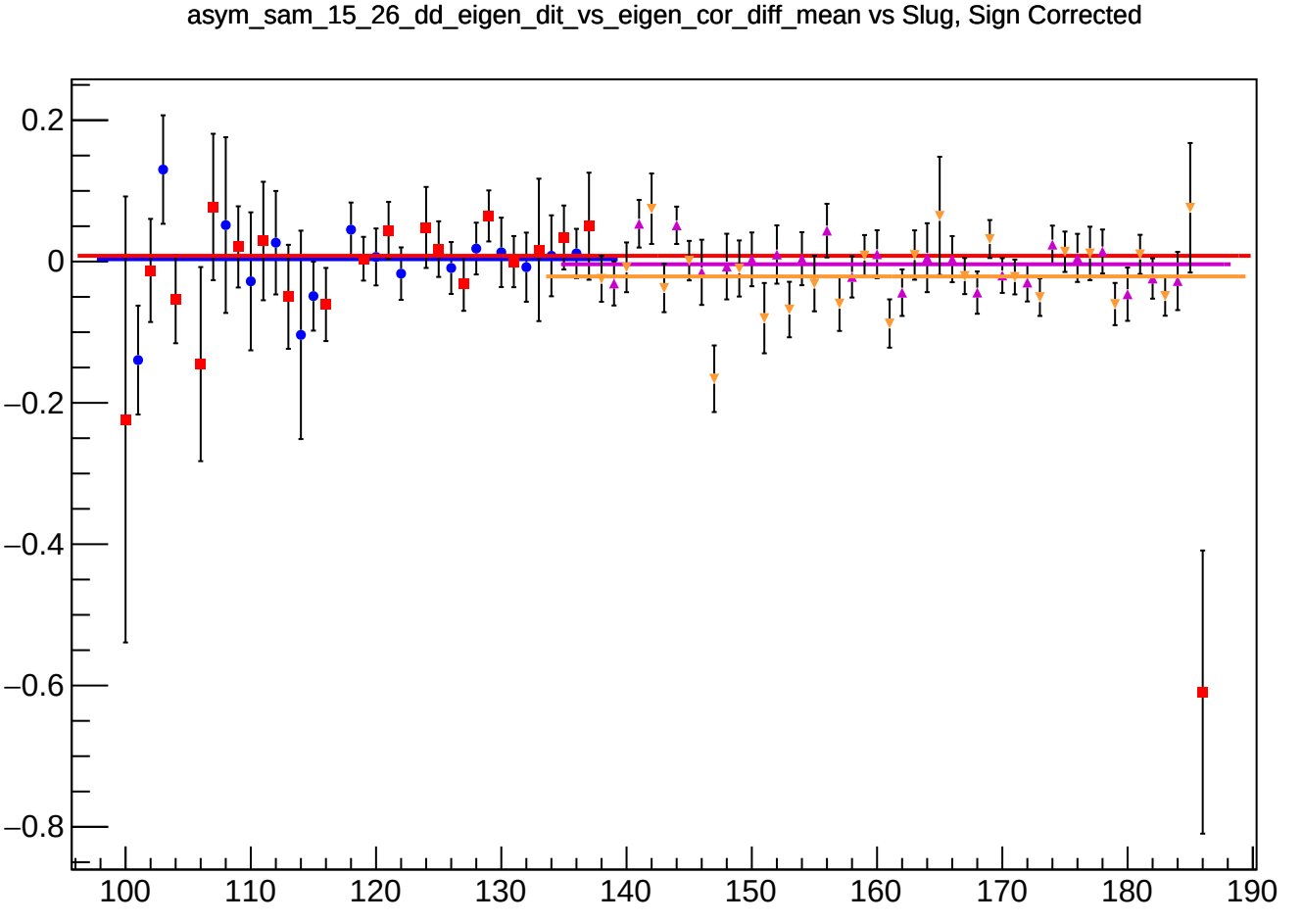
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 29.974+/-0.006 χ^2/NDF: 3978870.2/35

In: 28.817+/-0.004 χ^2/NDF:2818688.0/38

Out: 28.690+/-0.004 χ^2/NDF:4046578.3/44

All: 28.751+/-0.003 χ^2/NDF: 6865731.1/83



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

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

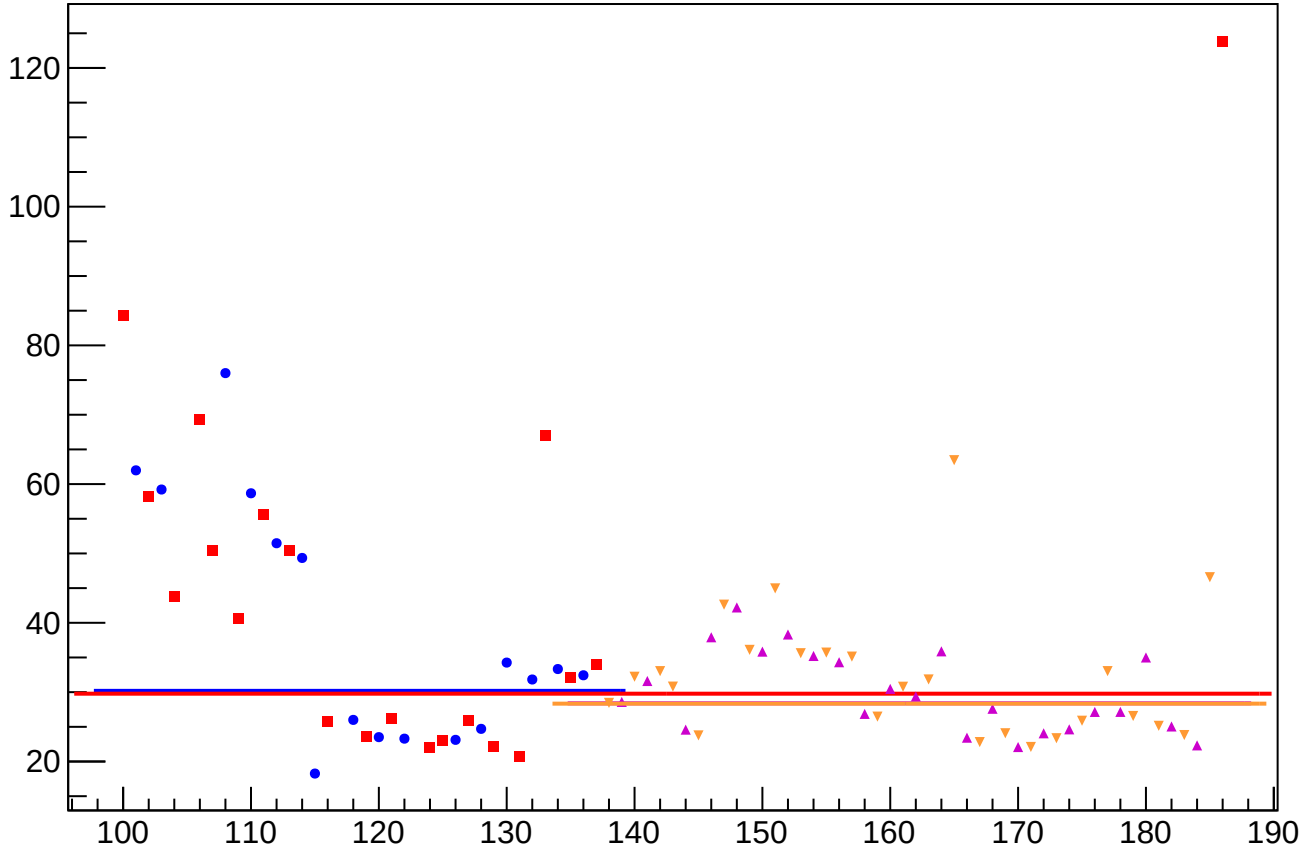
Right: 0.006+/-0.009 χ^2/NDF: 31.0/35

In: -0.002+/-0.006 χ^2/NDF:29.1/38

Out: -0.014+/-0.006 χ^2/NDF:62.6/44

All: -0.008+/-0.004 χ^2/NDF: 93.7/83

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.342+/-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

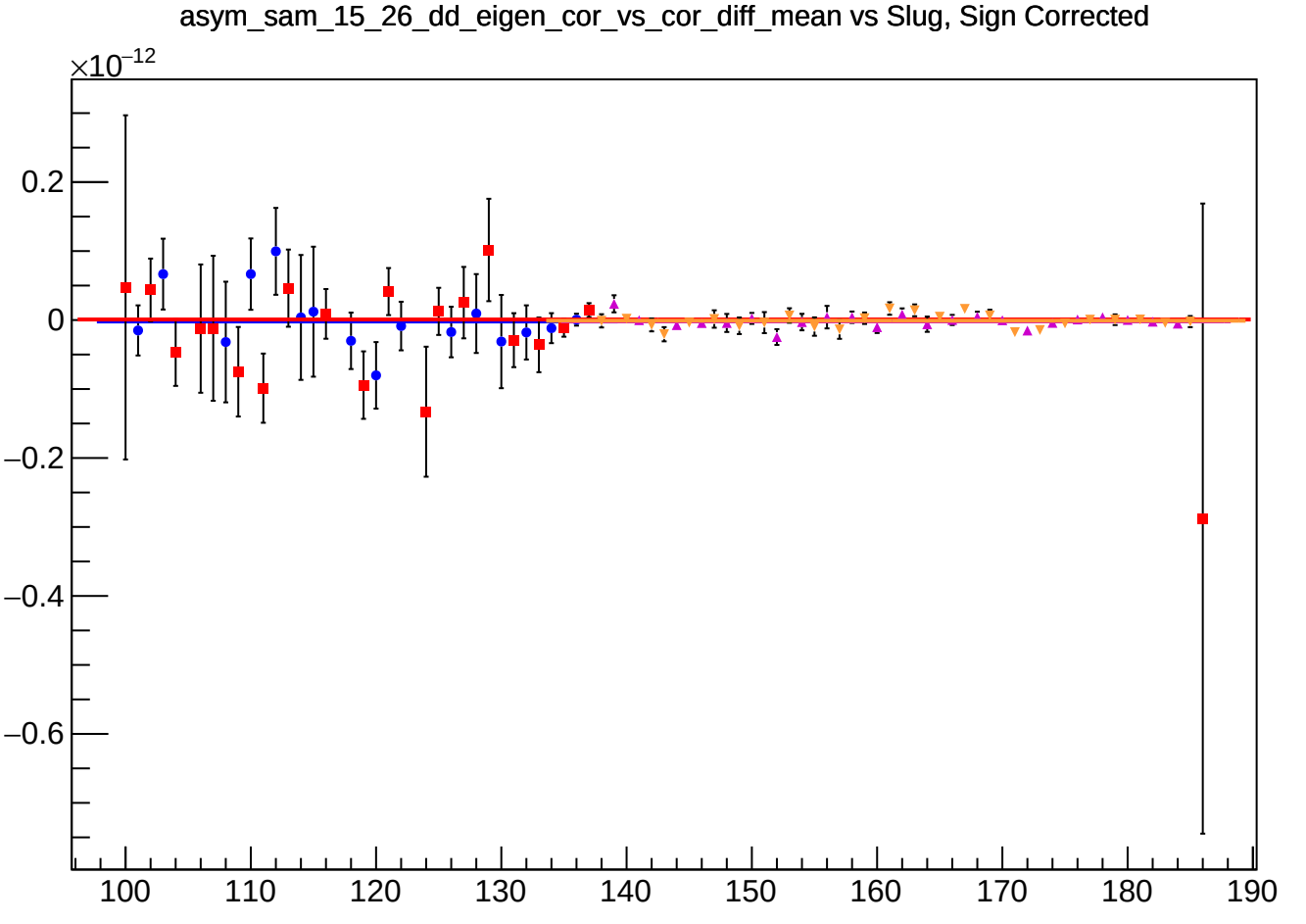
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 29.974+/-0.006 χ^2/NDF: 3978870.2/35

In: 28.817+/-0.004 χ^2/NDF:2818688.0/38

Out: 28.690+/-0.004 χ^2/NDF:4046578.3/44

All: 28.751+/-0.003 χ^2/NDF: 6865731.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

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

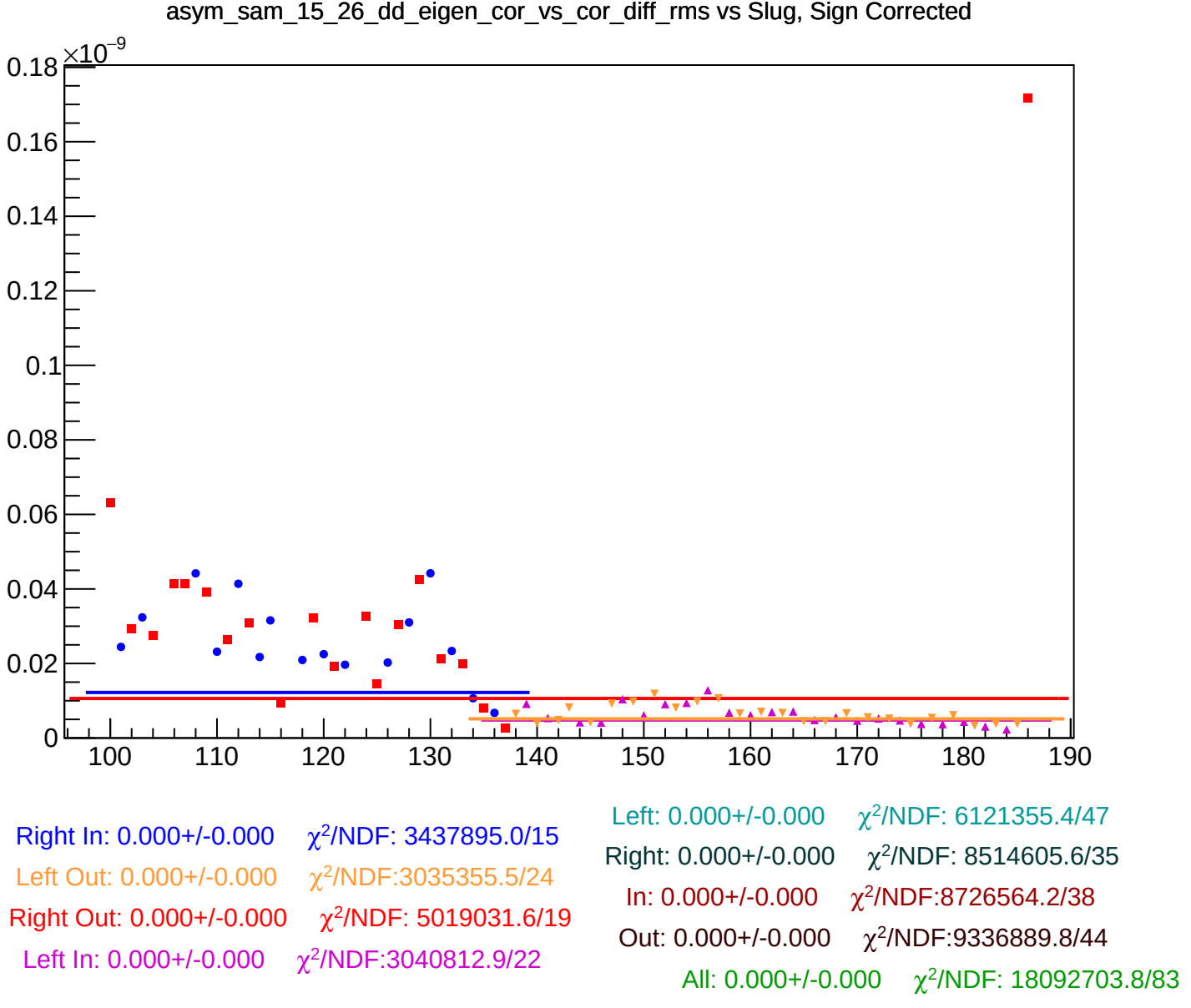
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: -0.000+/-0.000 χ^2/NDF: 32.3/35

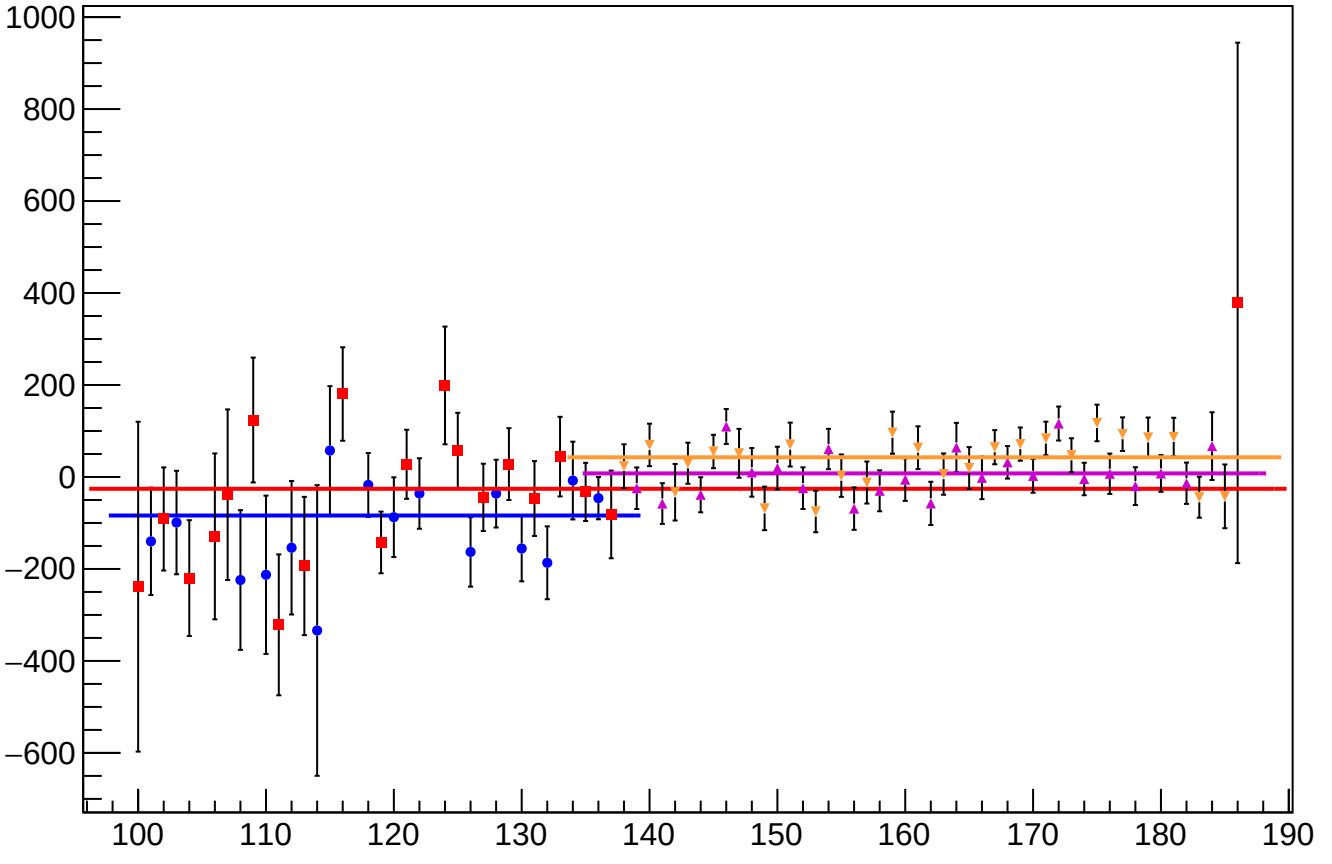
In: -0.000+/-0.000 χ^2/NDF:29.9/38

Out: -0.000+/-0.000 χ^2/NDF:56.0/44

All: -0.000+/-0.000 χ^2/NDF: 86.2/83


asym_sam_15_26_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: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5019031.6/19
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 8514605.6/35
In: 0.000+/-0.000 χ²/NDF:8726564.2/38
Out: 0.000+/-0.000 χ²/NDF:9336889.8/44
All: 0.000+/-0.000 χ²/NDF: 18092703.8/83

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

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

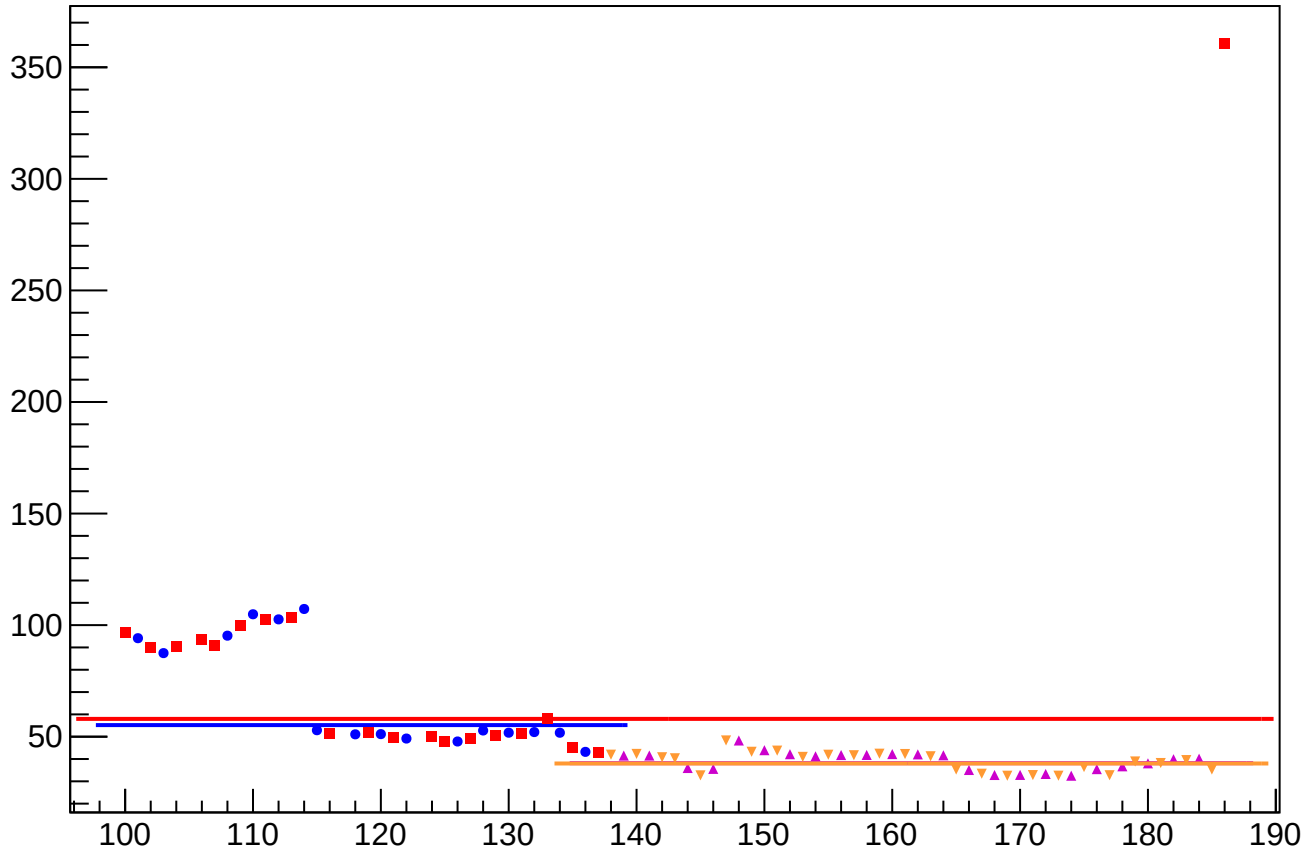
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -55.570+/-15.369 χ^2/NDF: 37.6/35

In: -5.878+/-8.278 χ^2/NDF:56.7/38

Out: 33.548+/-8.091 χ^2/NDF:66.6/44

All: 14.285+/-5.786 χ^2/NDF: 134.8/83



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

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

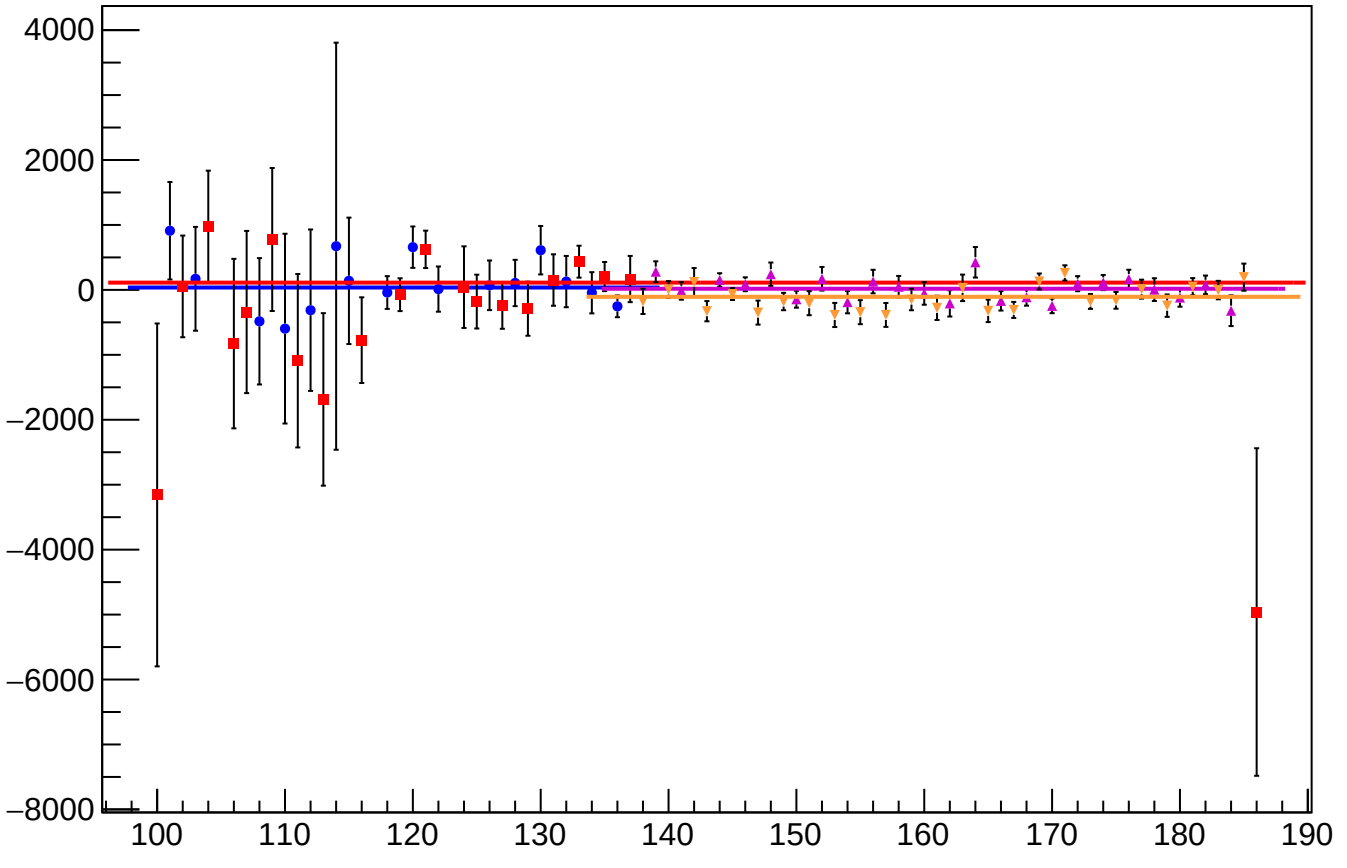
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.549+/-0.011 χ^2/NDF: 3023789.2/35

In: 40.678+/-0.006 χ^2/NDF:2659503.2/38

Out: 40.681+/-0.006 χ^2/NDF:3790800.4/44

All: 40.680+/-0.004 χ^2/NDF: 6450303.8/83



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

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

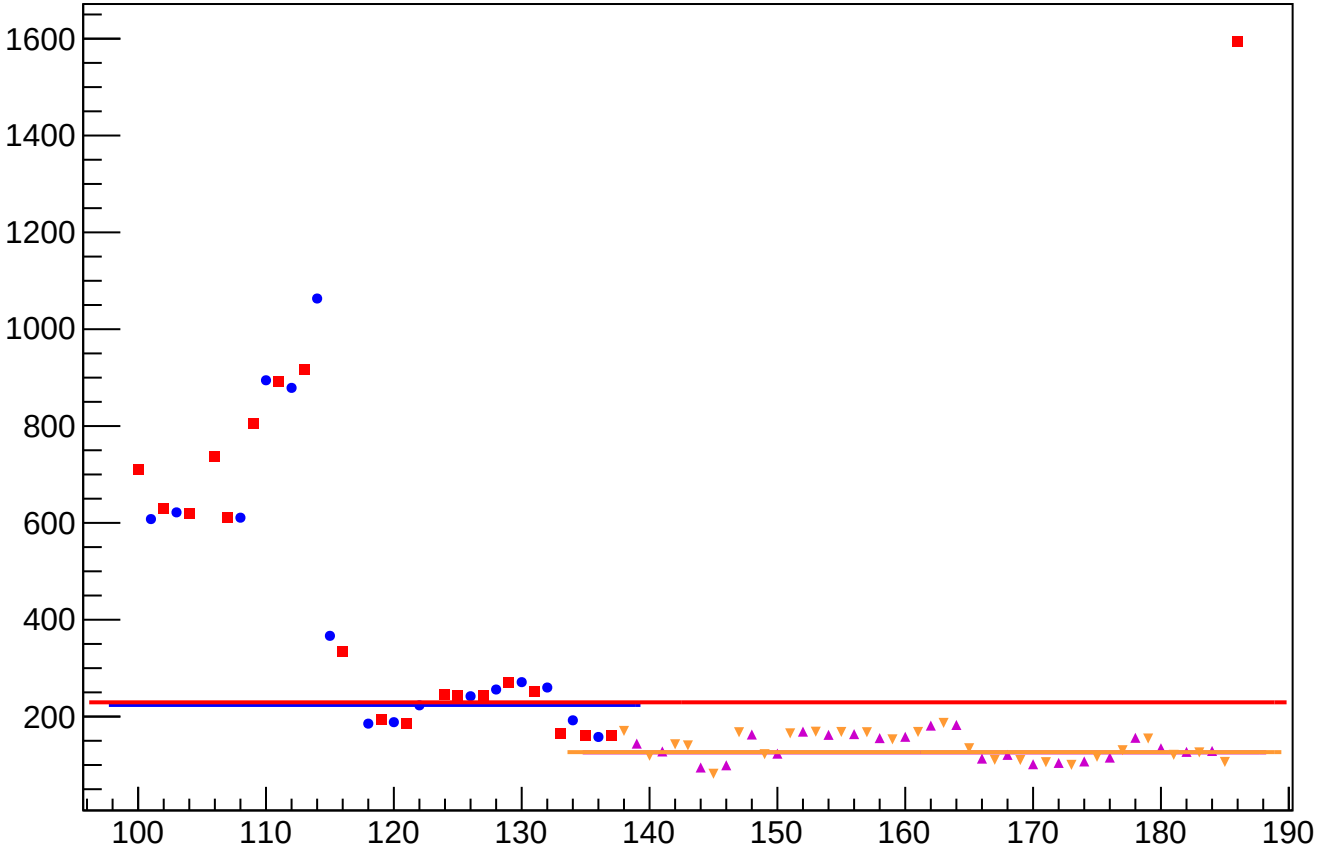
Right: 73.207+/-66.924 χ^2/NDF: 31.8/35

In: 19.290+/-28.727 χ^2/NDF:39.7/38

Out: -87.508+/-28.248 χ^2/NDF:62.5/44

All: -35.008+/-20.142 χ^2/NDF: 109.2/83

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 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

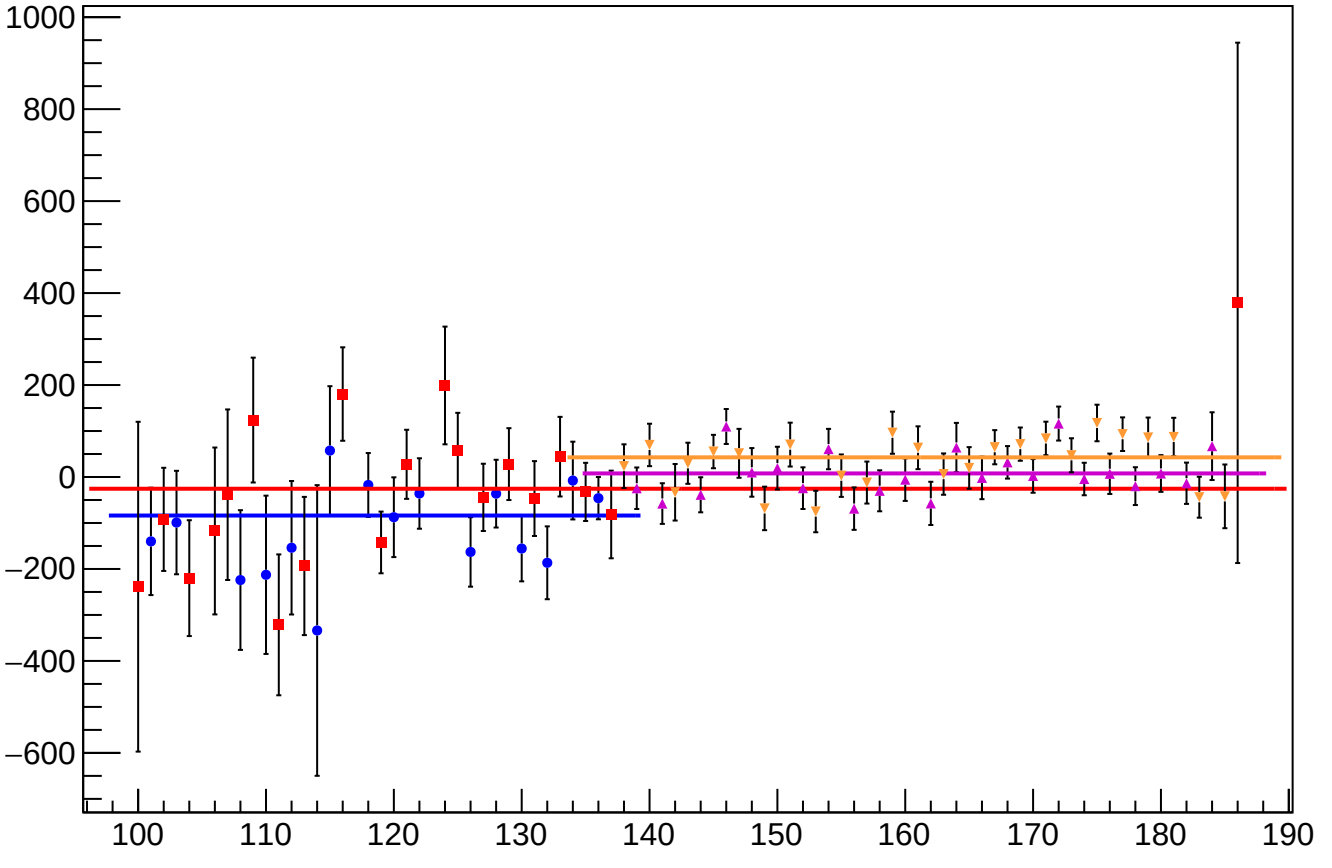
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 226.669+/-0.047 χ^2/NDF: 7198391.9/35

In: 135.255+/-0.020 χ^2/NDF:6367199.4/38

Out: 135.511+/-0.020 χ^2/NDF:8091888.0/44

All: 135.385+/-0.014 χ^2/NDF: 14459168.0/83



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

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

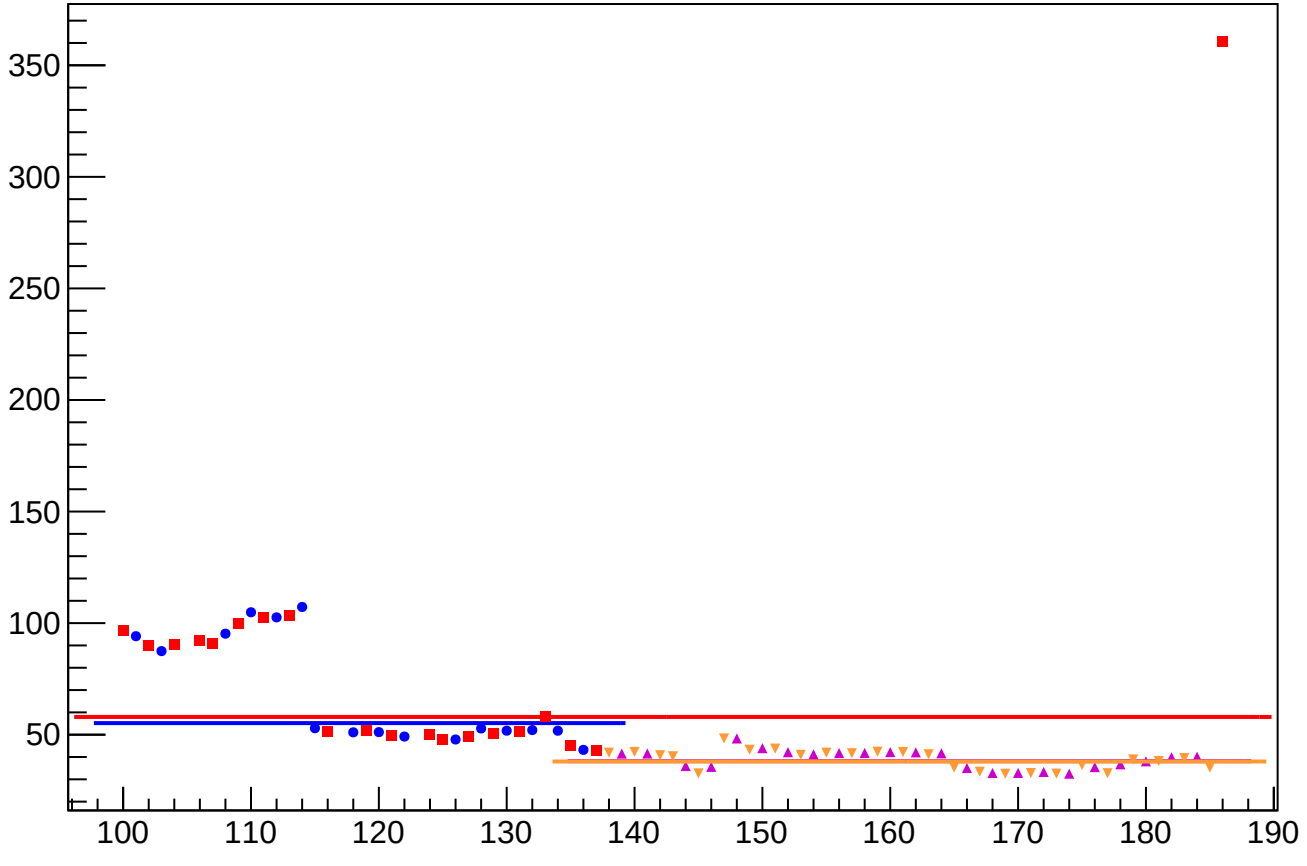
Right: -55.494+/-15.370 χ^2/NDF: 37.6/35

In: -5.876+/-8.278 χ^2/NDF:56.7/38

Out: 33.572+/-8.091 χ^2/NDF:66.5/44

All: 14.298+/-5.786 χ^2/NDF: 134.8/83

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 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

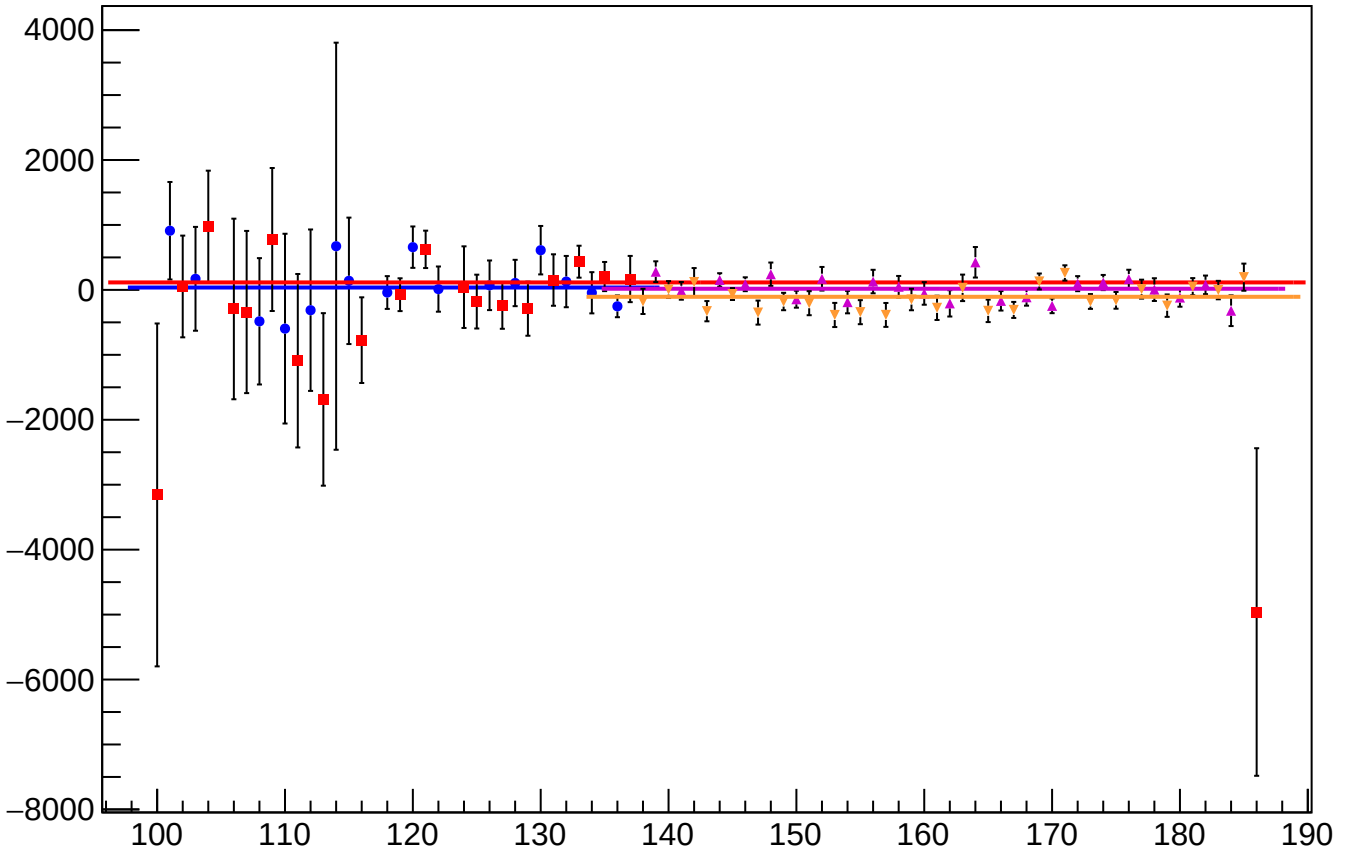
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.535+/-0.011 χ^2/NDF: 3016154.7/35

In: 40.678+/-0.006 χ^2/NDF:2659503.5/38

Out: 40.677+/-0.006 χ^2/NDF:3779180.8/44

All: 40.678+/-0.004 χ^2/NDF: 6438684.2/83



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

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

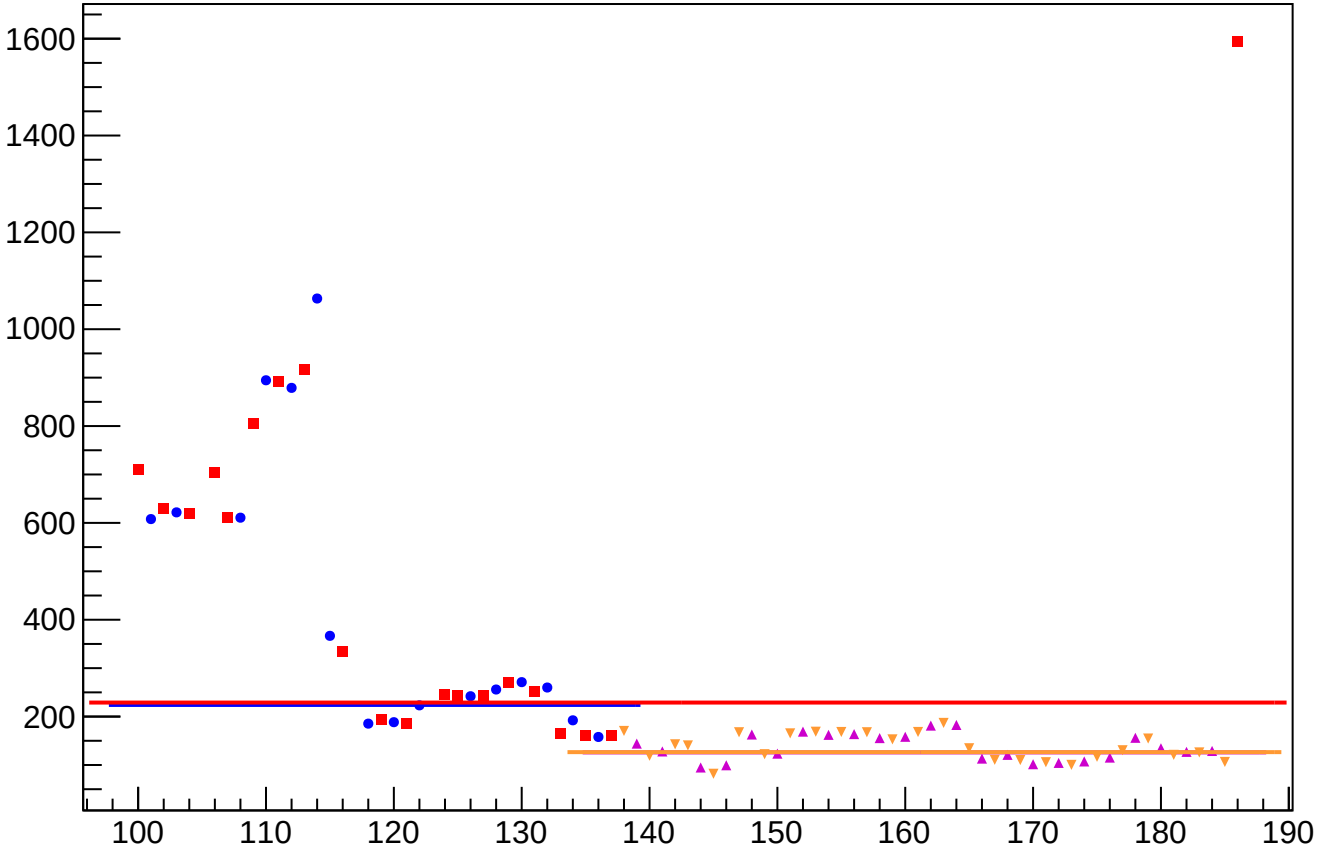
Right: 74.714+/-66.934 χ^2/NDF: 31.4/35

In: 19.290+/-28.727 χ^2/NDF:39.7/38

Out: -87.248+/-28.249 χ^2/NDF:62.2/44

All: -34.873+/-20.142 χ^2/NDF: 108.8/83

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 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

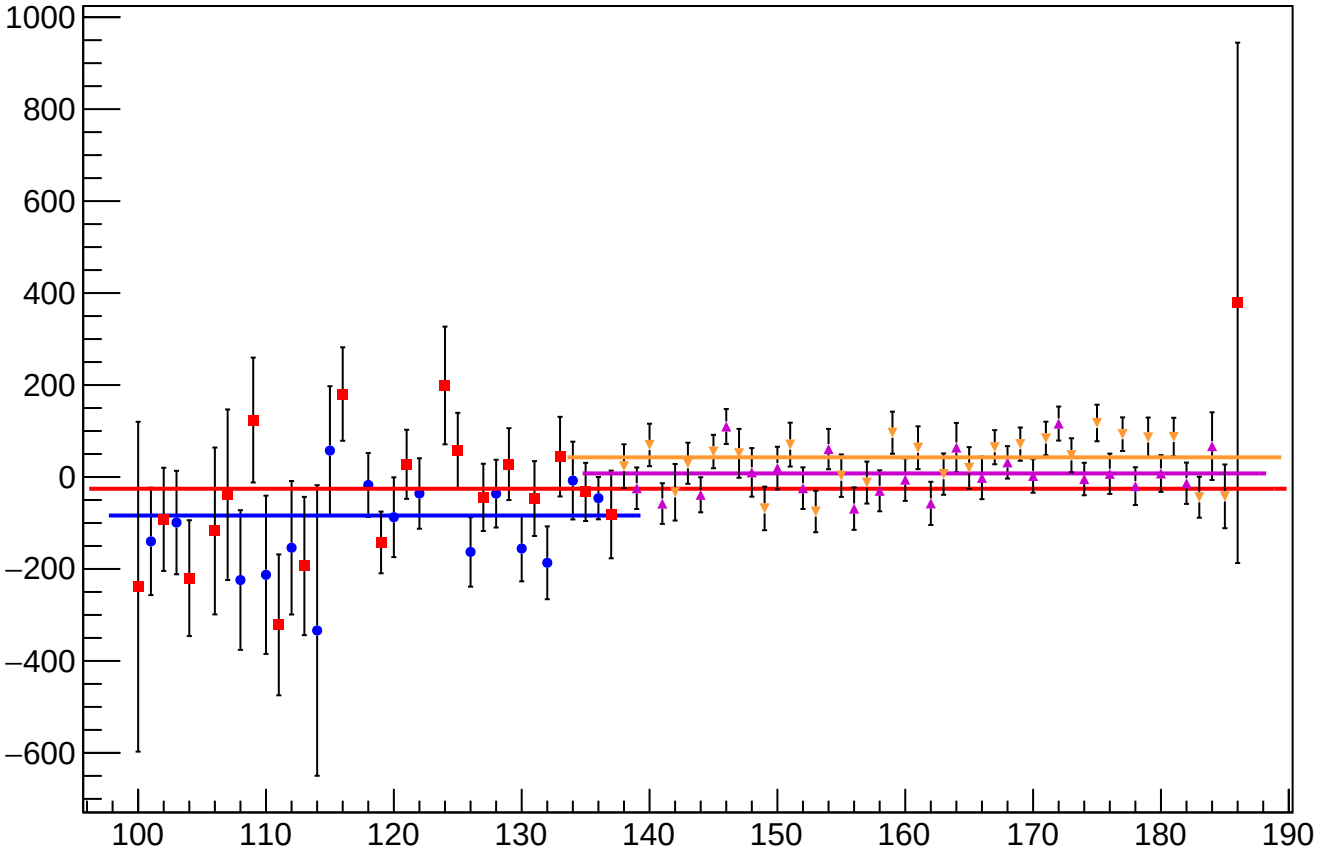
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 226.435+/-0.047 χ^2/NDF: 7129571.6/35

In: 135.255+/-0.020 χ^2/NDF:6367219.1/38

Out: 135.464+/-0.020 χ^2/NDF:8002832.2/44

All: 135.361+/-0.014 χ^2/NDF: 14370105.3/83



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

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

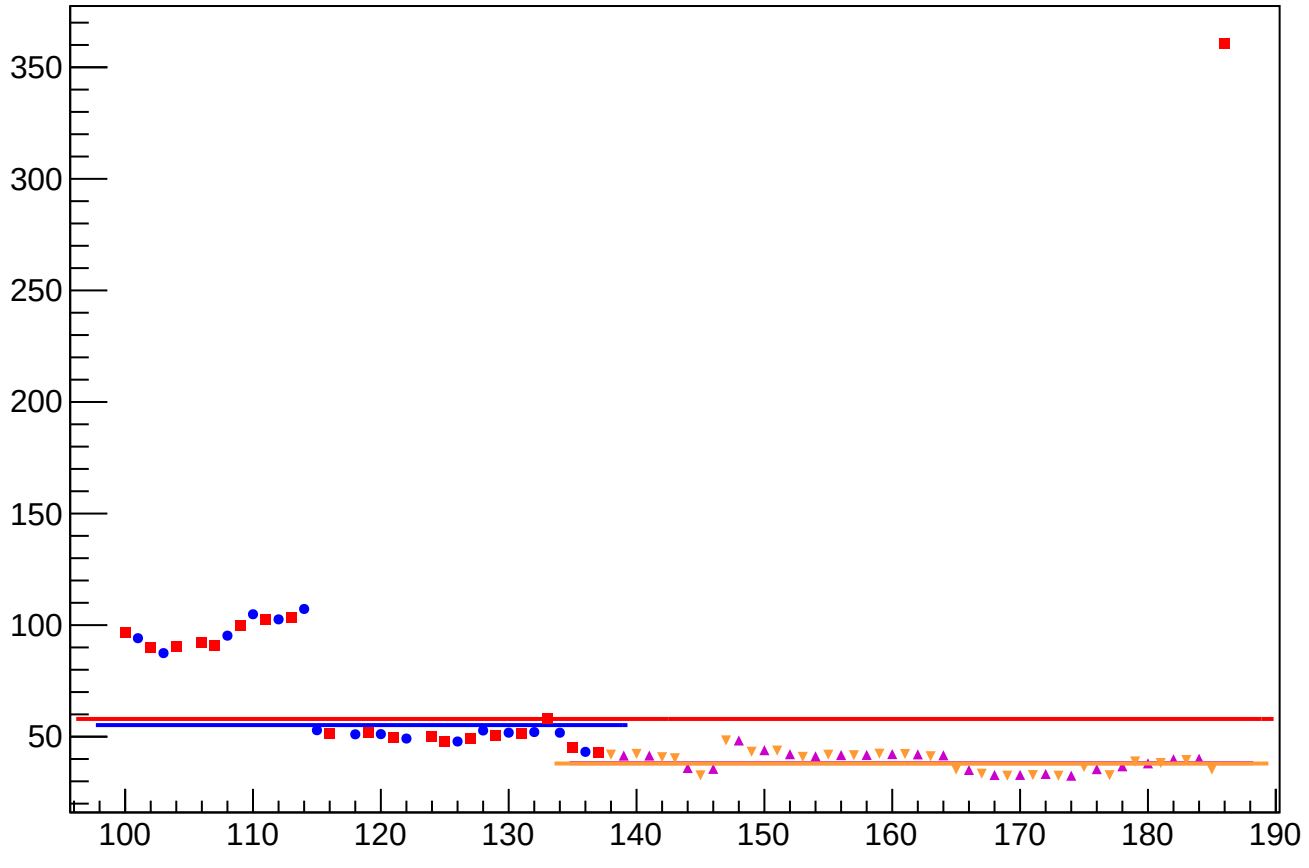
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -55.494+/-15.370 χ^2/NDF: 37.6/35

In: -5.876+/-8.278 χ^2/NDF:56.7/38

Out: 33.572+/-8.091 χ^2/NDF:66.5/44

All: 14.298+/-5.786 χ^2/NDF: 134.8/83



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

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

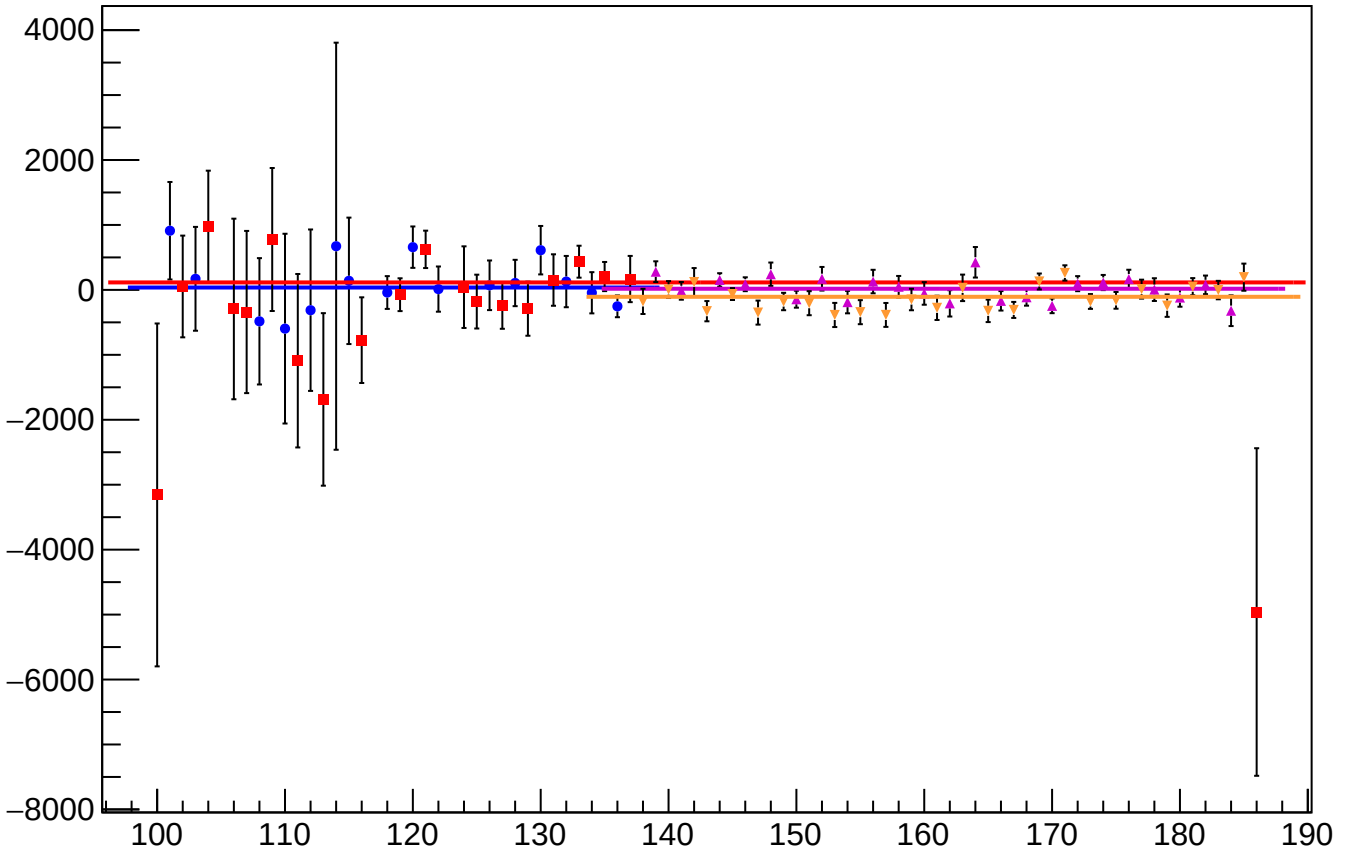
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.535+/-0.011 χ^2/NDF: 3016154.7/35

In: 40.678+/-0.006 χ^2/NDF:2659503.5/38

Out: 40.677+/-0.006 χ^2/NDF:3779180.8/44

All: 40.678+/-0.004 χ^2/NDF: 6438684.2/83



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

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

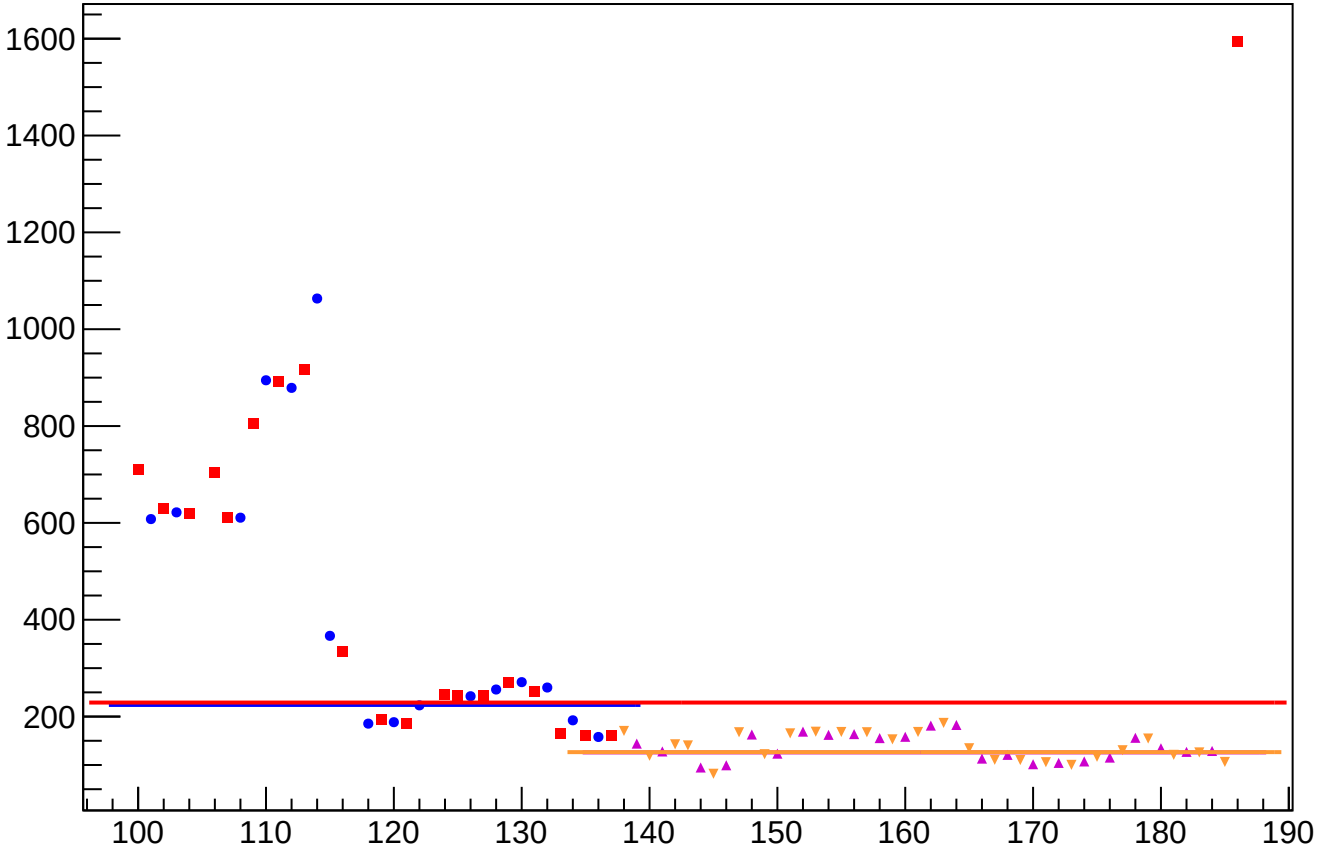
Right: 74.714+/-66.934 χ^2/NDF: 31.4/35

In: 19.290+/-28.727 χ^2/NDF:39.7/38

Out: -87.248+/-28.249 χ^2/NDF:62.2/44

All: -34.873+/-20.142 χ^2/NDF: 108.8/83

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 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

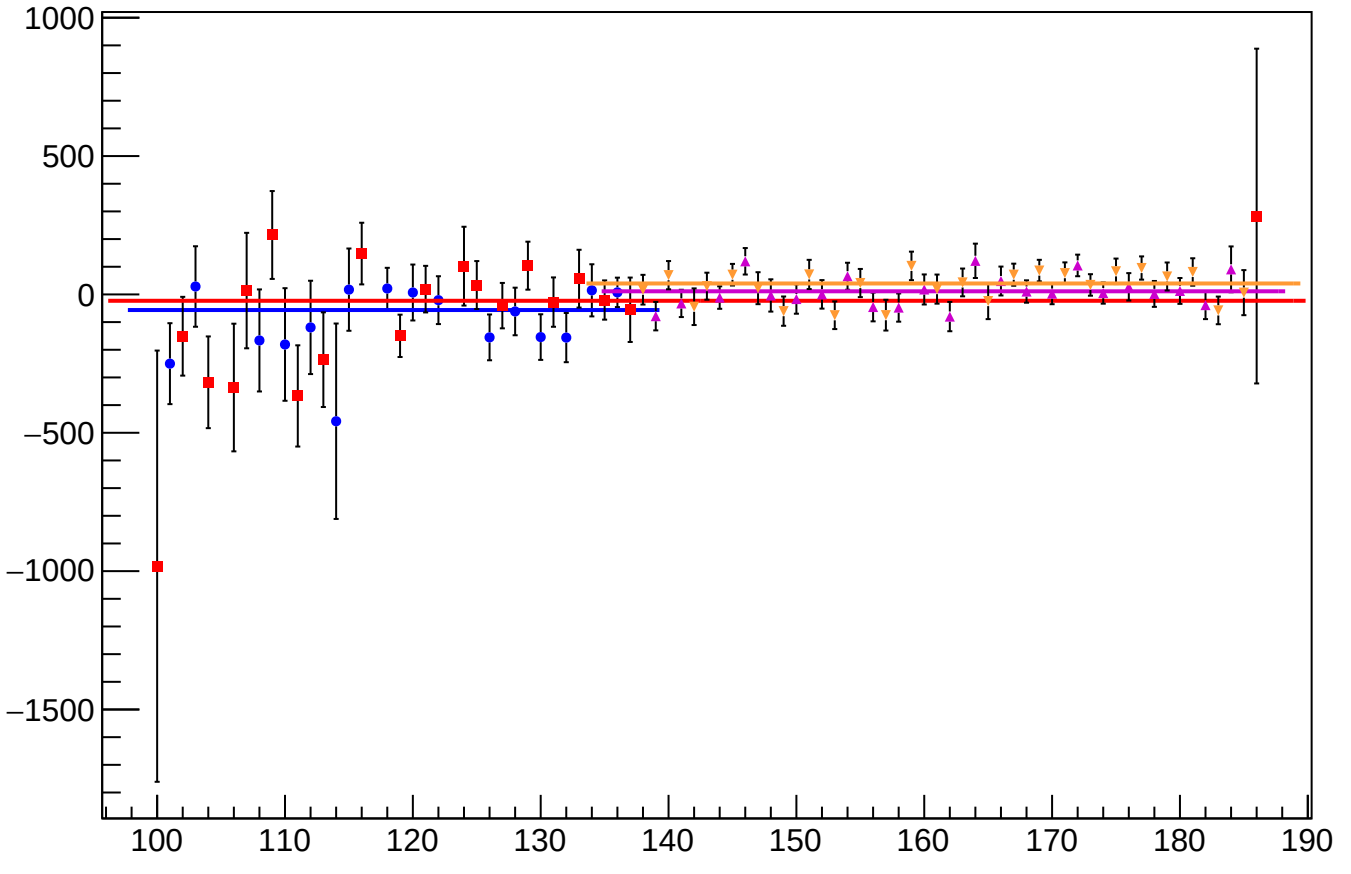
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 226.435+/-0.047 χ^2/NDF: 7129571.6/35

In: 135.255+/-0.020 χ^2/NDF:6367219.1/38

Out: 135.464+/-0.020 χ^2/NDF:8002832.2/44

All: 135.361+/-0.014 χ^2/NDF: 14370105.3/83



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

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

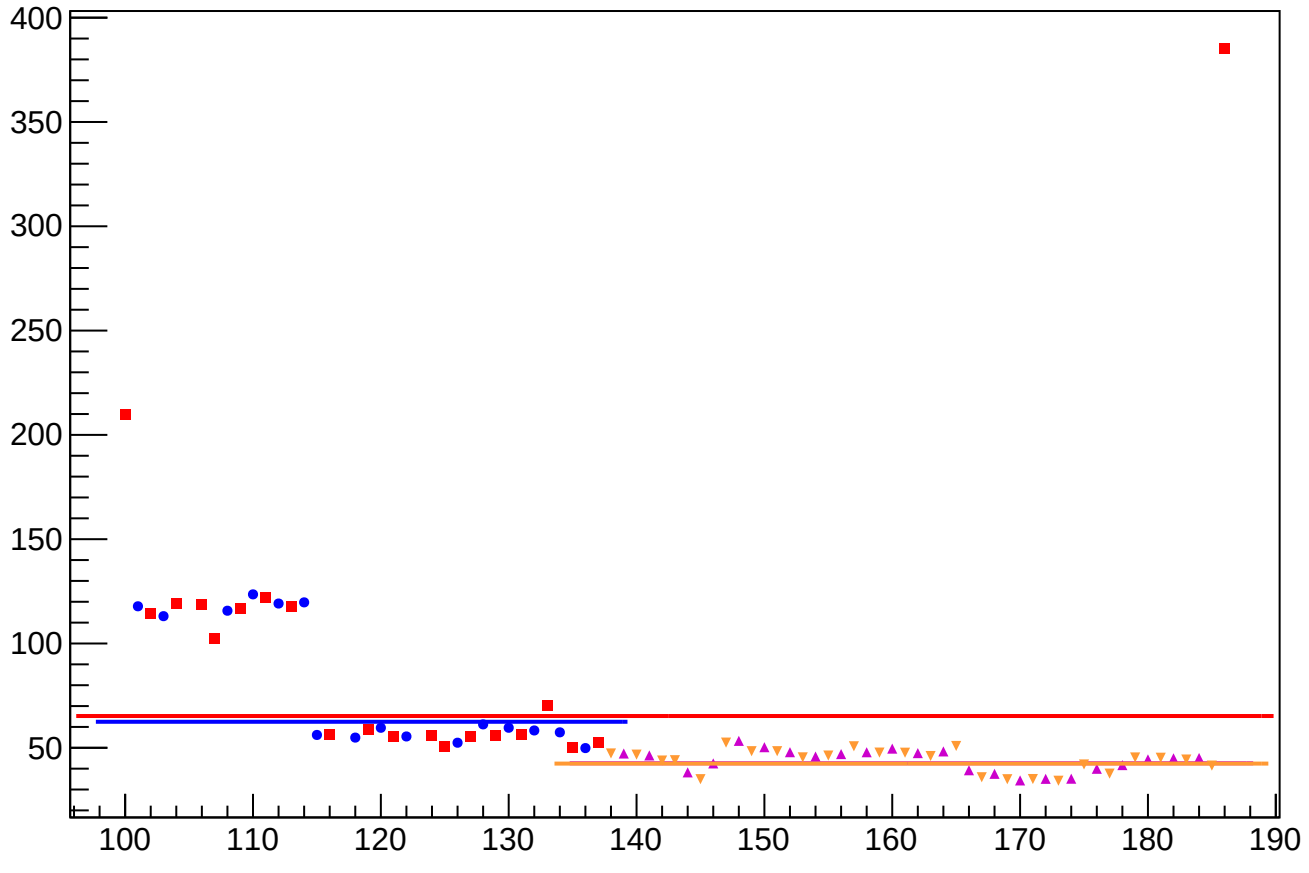
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.128+/-17.542 χ^2/NDF: 37.5/35

In: 1.499+/-9.319 χ^2/NDF:46.7/38

Out: 31.394+/-9.086 χ^2/NDF:59.3/44

All: 16.825+/-6.506 χ^2/NDF: 111.3/83



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

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

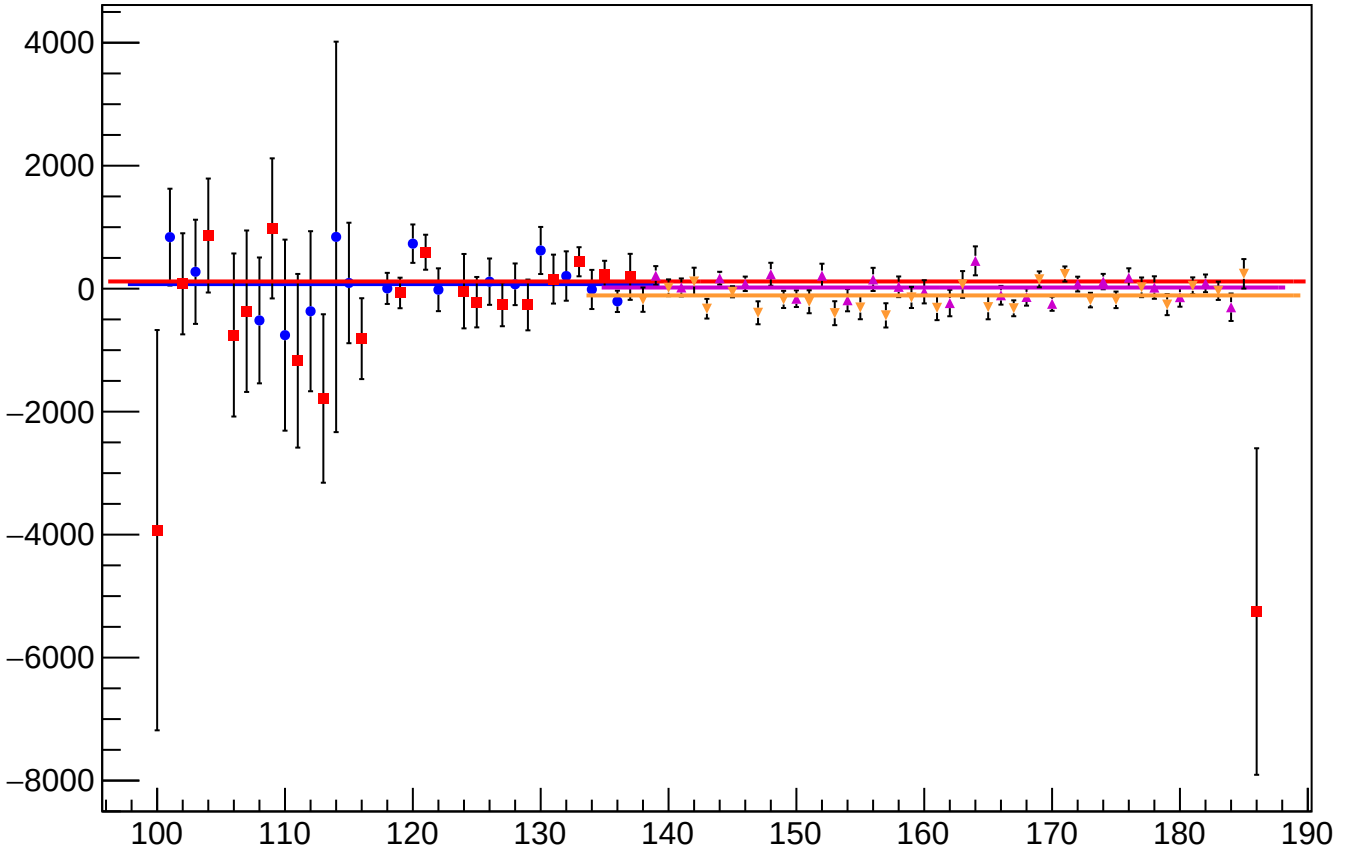
Right: 63.818+/-0.012 χ^2/NDF: 3511553.8/35

In: 45.460+/-0.007 χ^2/NDF:3067016.8/38

Out: 45.406+/-0.006 χ^2/NDF:4280936.5/44

All: 45.432+/-0.005 χ^2/NDF: 7347987.8/83

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -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

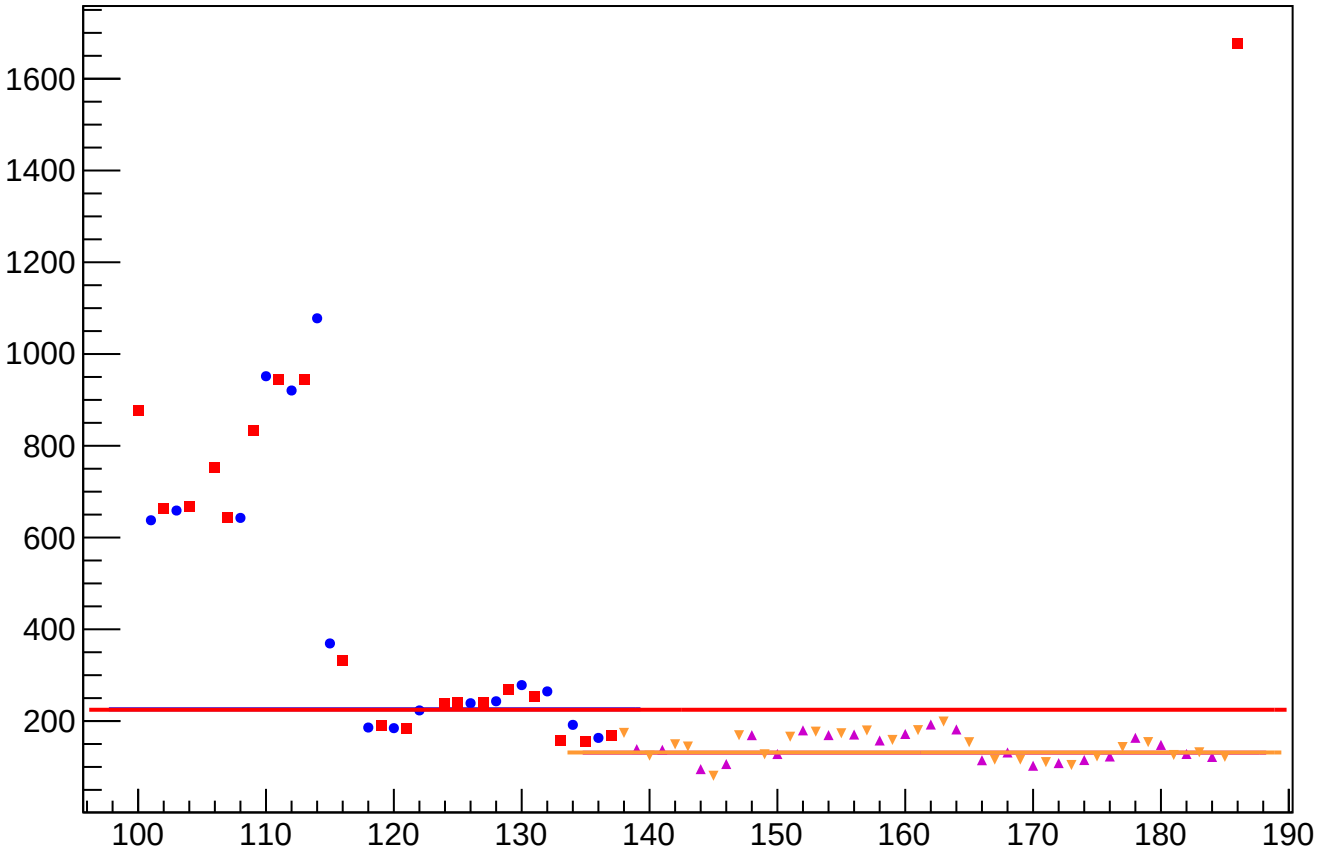
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 95.810+/-66.856 χ^2/NDF: 31.7/35

In: 24.377+/-29.863 χ^2/NDF:38.7/38

Out: -88.144+/-29.251 χ^2/NDF:61.9/44

All: -33.048+/-20.897 χ^2/NDF: 107.9/83



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

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

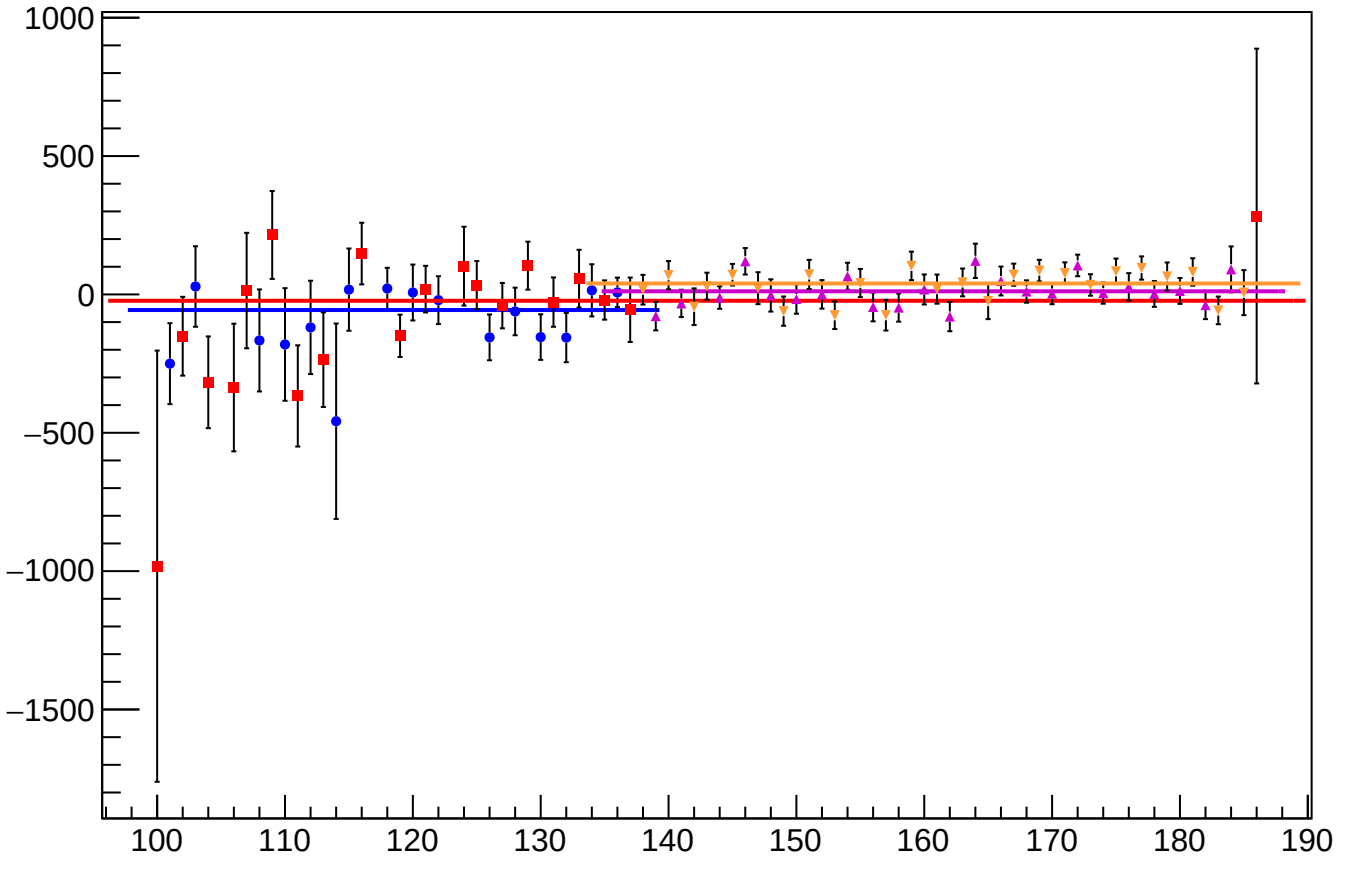
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 225.124+/-0.047 χ^2/NDF: 7473233.0/35

In: 140.517+/-0.021 χ^2/NDF:6295886.2/38

Out: 140.417+/-0.021 χ^2/NDF:8102403.2/44

All: 140.466+/-0.015 χ^2/NDF: 14398300.7/83



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

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

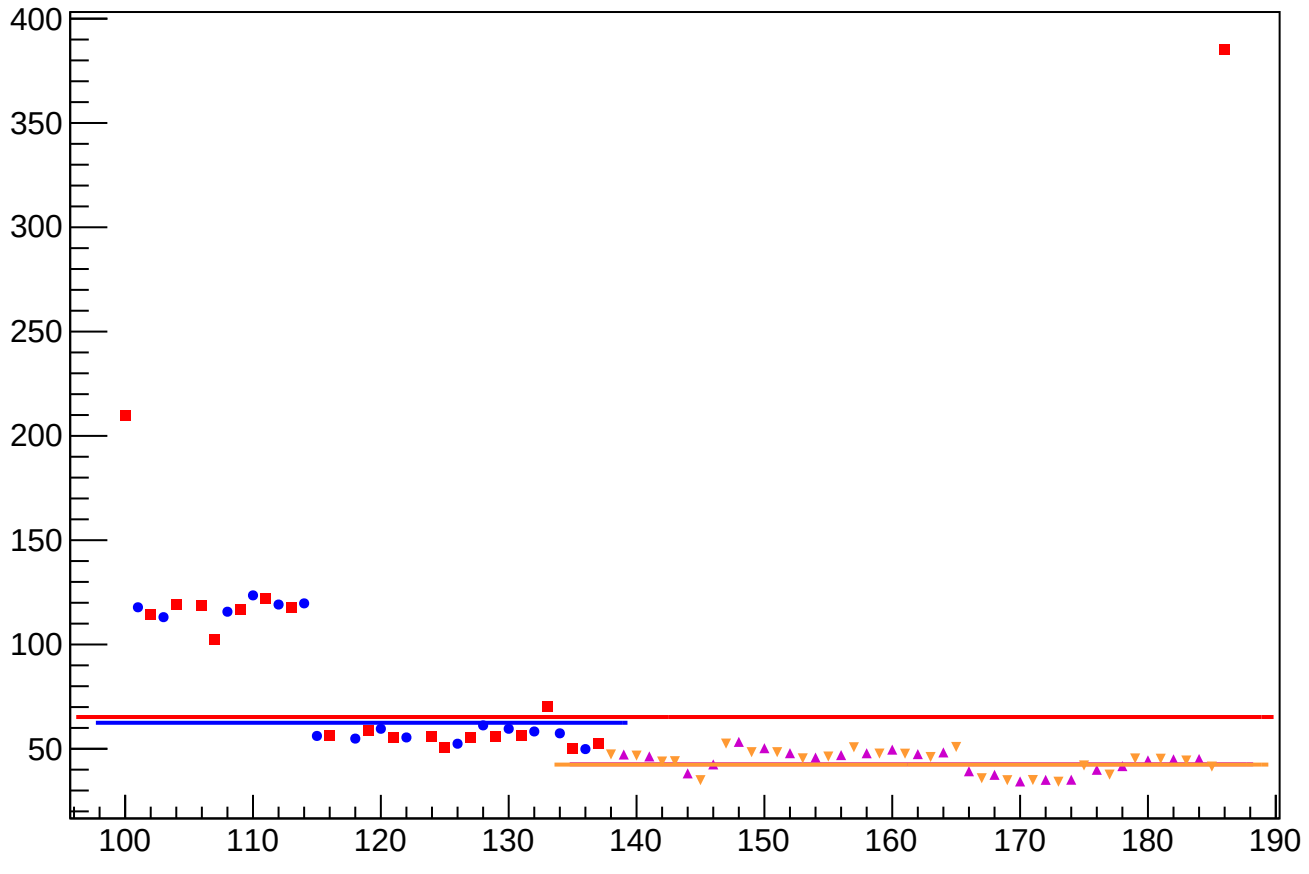
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.130+/-17.541 χ^2/NDF: 37.5/35

In: 1.499+/-9.319 χ^2/NDF:46.7/38

Out: 31.395+/-9.086 χ^2/NDF:59.3/44

All: 16.825+/-6.506 χ^2/NDF: 111.3/83



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

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

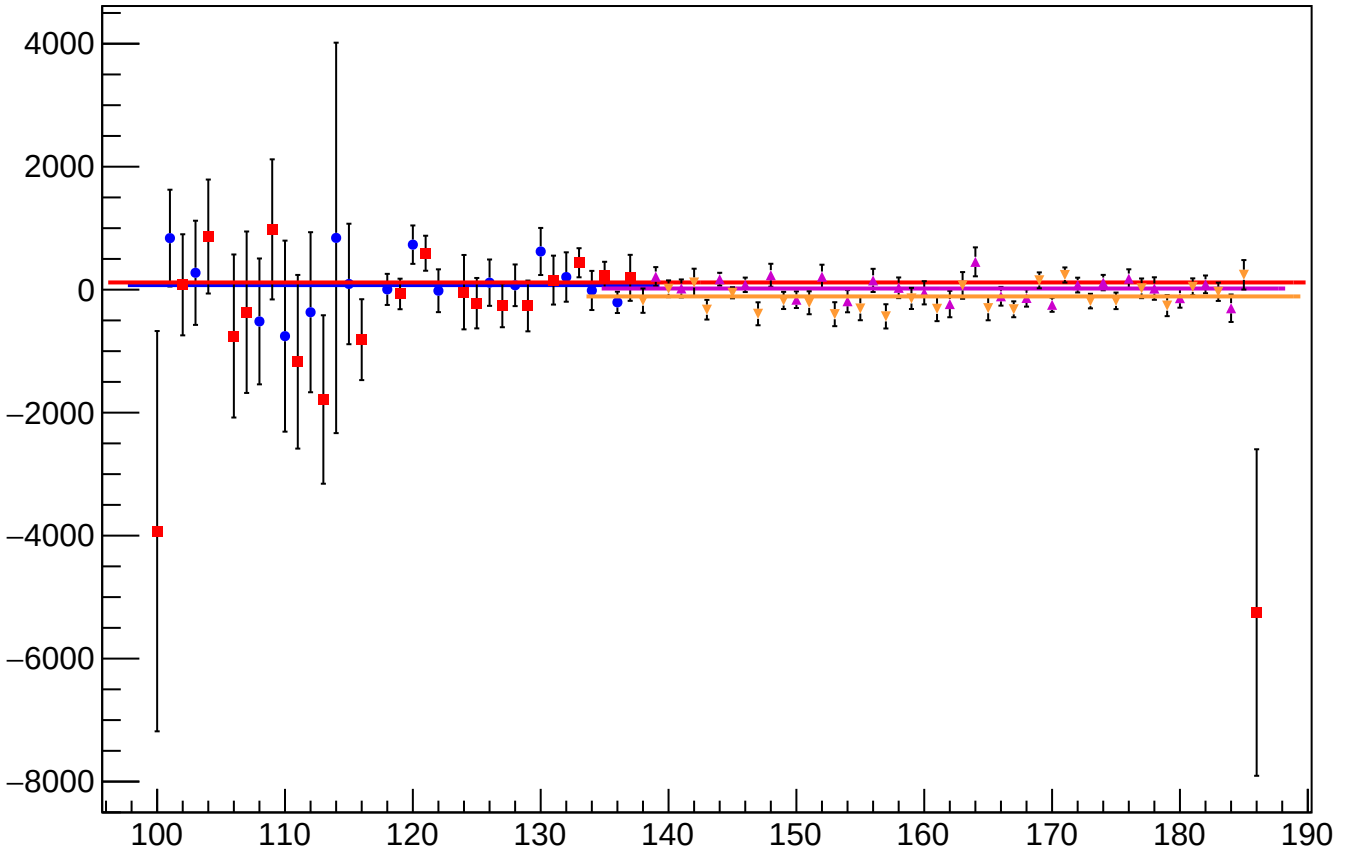
Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

Right: 63.818+/-0.012 χ^2/NDF: 3511516.8/35

In: 45.460+/-0.007 χ^2/NDF:3066951.1/38

Out: 45.406+/-0.006 χ^2/NDF:4280912.7/44

All: 45.432+/-0.005 χ^2/NDF: 7347898.4/83



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

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

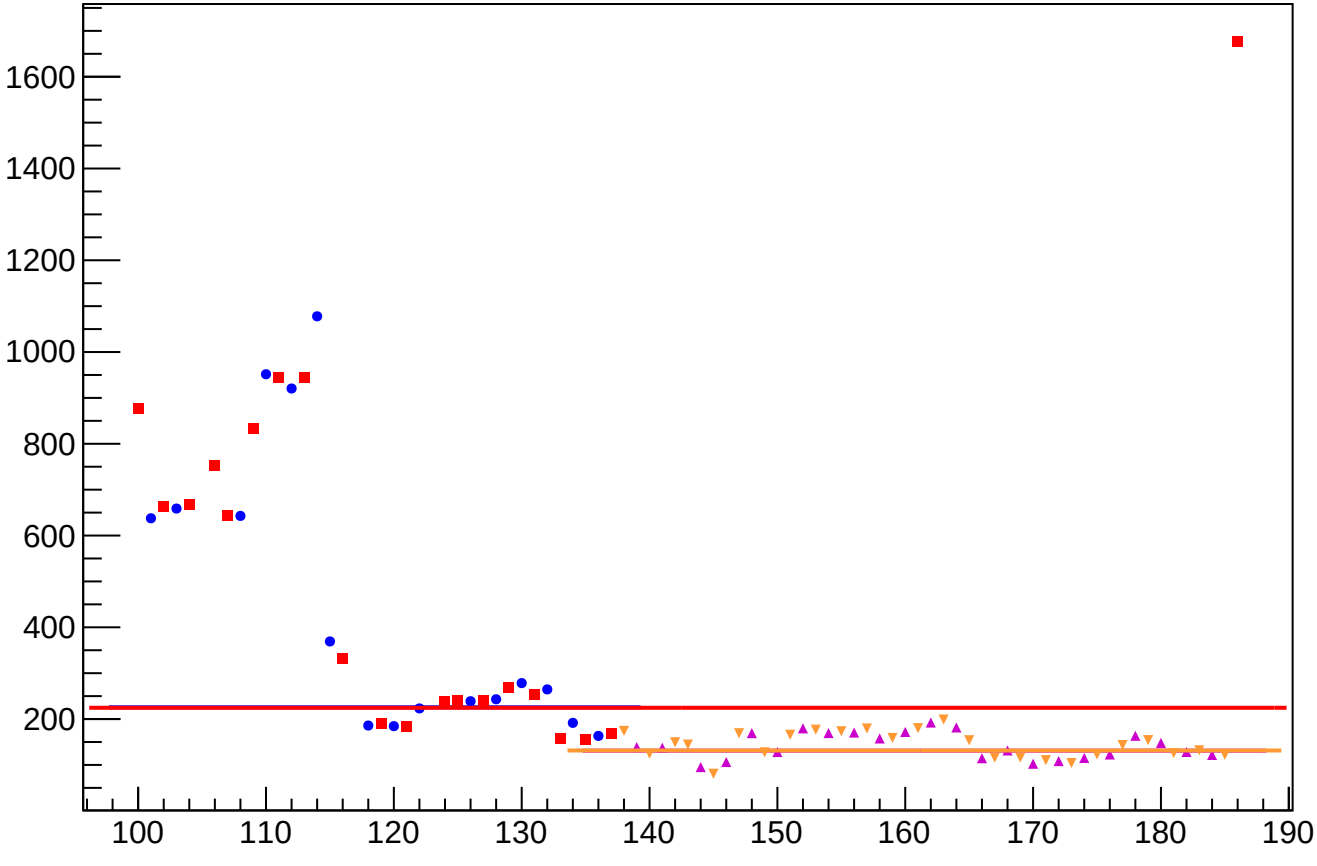
Right: 95.810+/-66.856 χ^2/NDF: 31.7/35

In: 24.377+/-29.863 χ^2/NDF:38.7/38

Out: -88.144+/-29.251 χ^2/NDF:61.9/44

All: -33.048+/-20.897 χ^2/NDF: 107.9/83

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 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

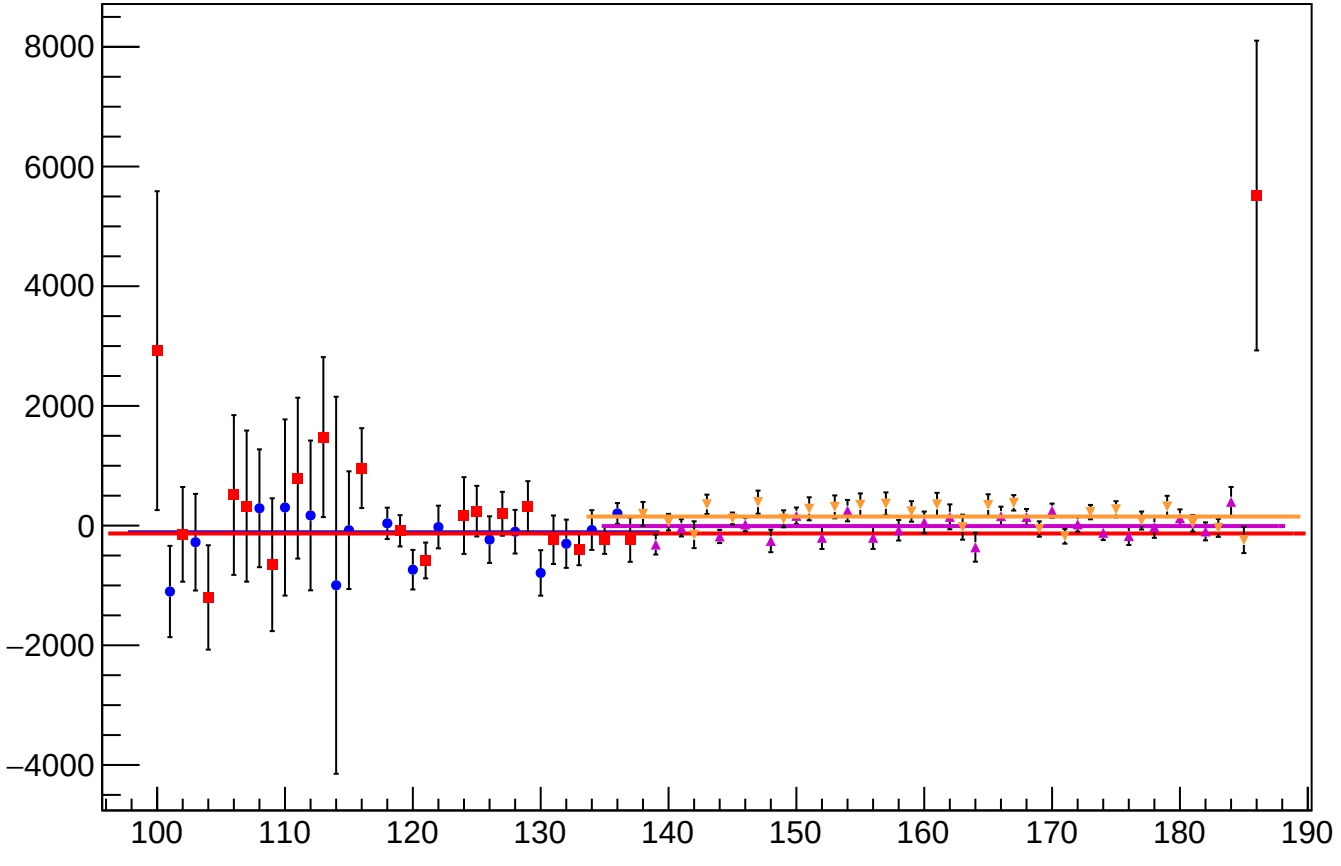
Right: 225.124+/-0.047 χ^2/NDF: 7473200.2/35

In: 140.517+/-0.021 χ^2/NDF:6295871.8/38

Out: 140.417+/-0.021 χ^2/NDF:8102382.7/44

All: 140.466+/-0.015 χ^2/NDF: 14398265.8/83

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

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

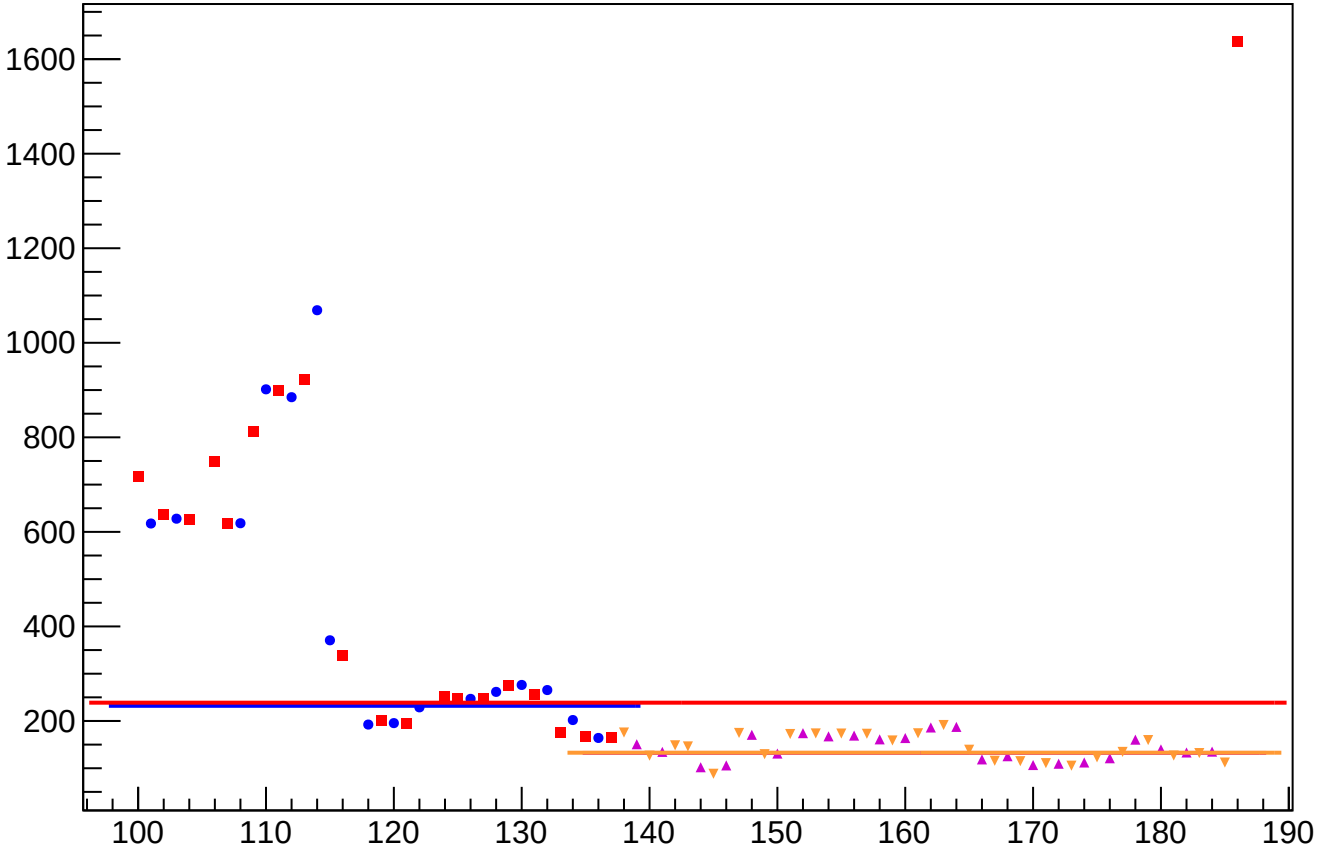
Right: -121.541+/-69.156 χ^2/NDF: 32.3/35

In: -18.013+/-30.051 χ^2/NDF:43.4/38

Out: 125.975+/-29.544 χ^2/NDF:59.9/44

All: 55.204+/-21.068 χ^2/NDF: 114.9/83

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

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

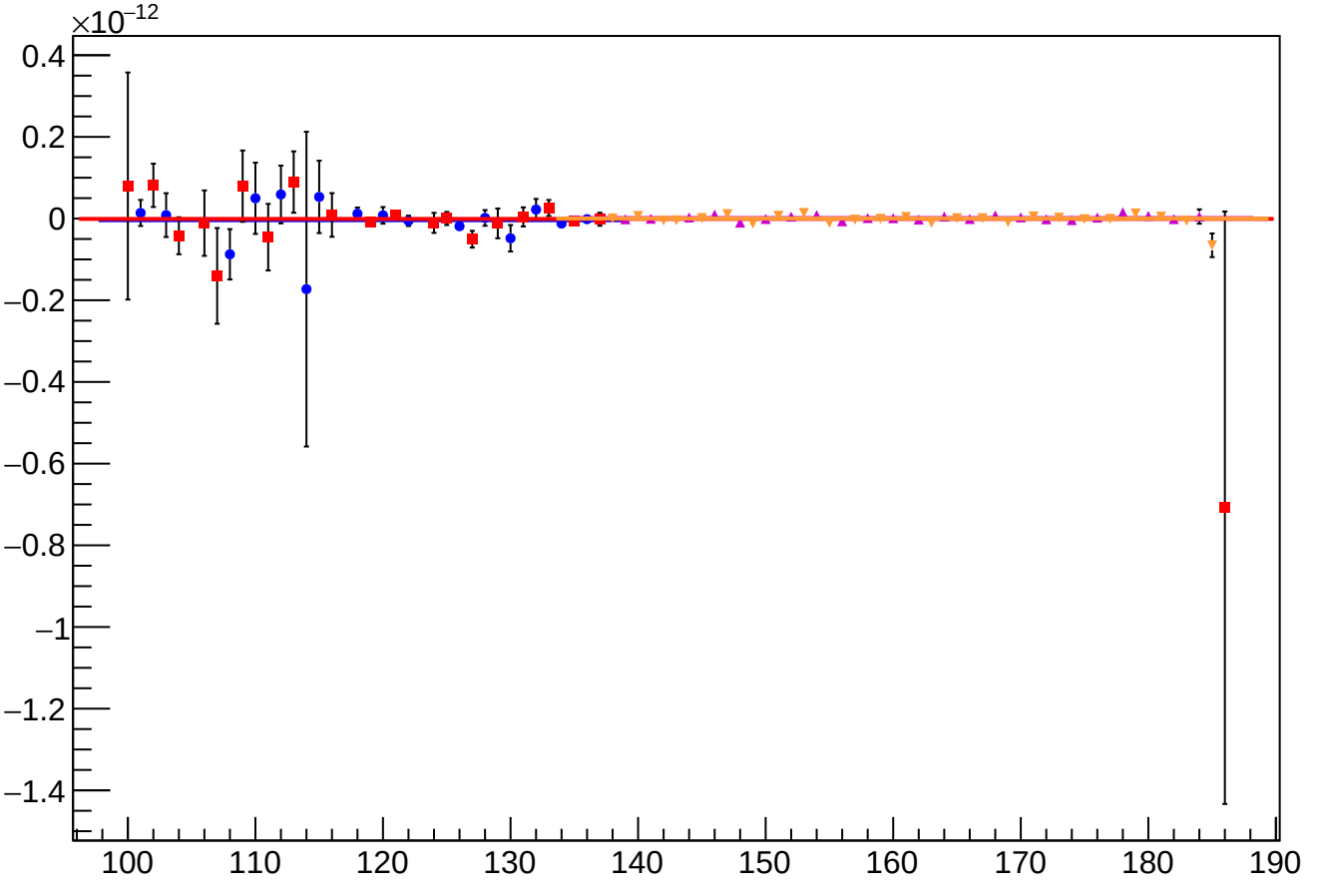
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 235.318+/-0.049 χ^2/NDF: 6996000.2/35

In: 142.006+/-0.021 χ^2/NDF:6091802.2/38

Out: 142.281+/-0.021 χ^2/NDF:7776158.9/44

All: 142.146+/-0.015 χ^2/NDF: 13868046.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

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

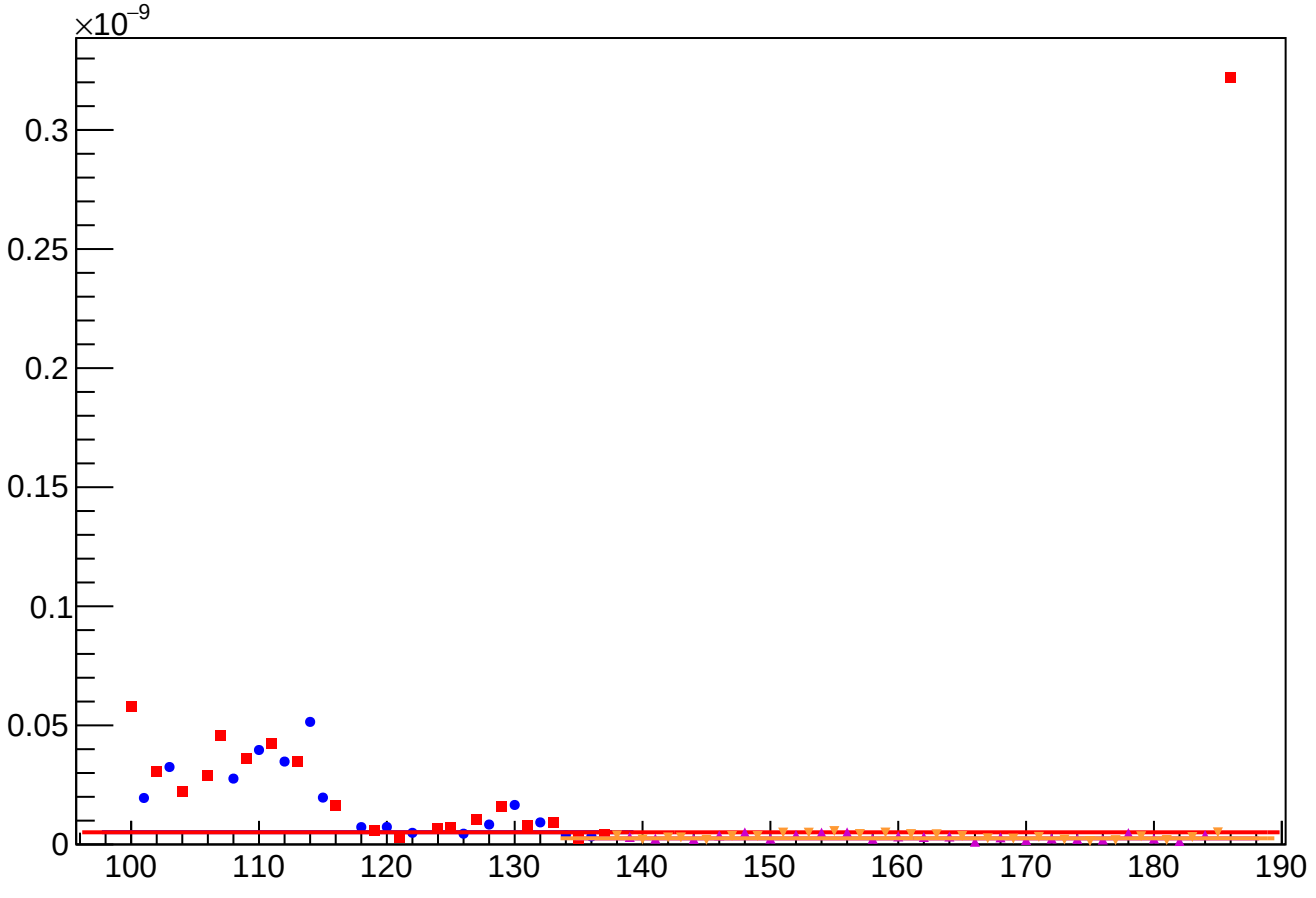
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 30.8/35

In: 0.000+/-0.000 χ^2/NDF:28.3/38

Out: 0.000+/-0.000 χ^2/NDF:51.3/44

All: 0.000+/-0.000 χ^2/NDF: 79.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

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

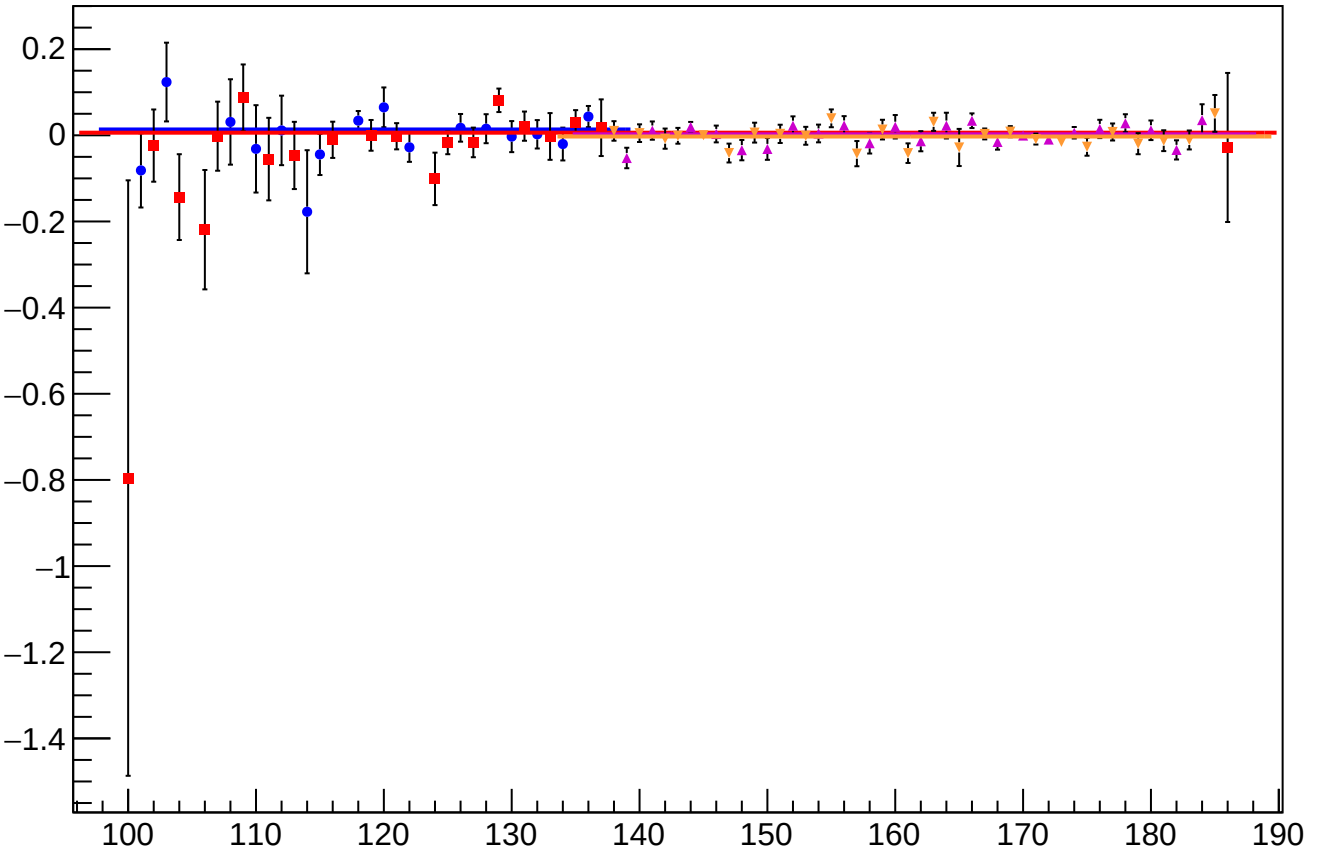
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6236591.8/35

In: 0.000+/-0.000 χ^2/NDF:5099926.0/38

Out: 0.000+/-0.000 χ^2/NDF:6556109.7/44

All: 0.000+/-0.000 χ^2/NDF: 11656090.5/83



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

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

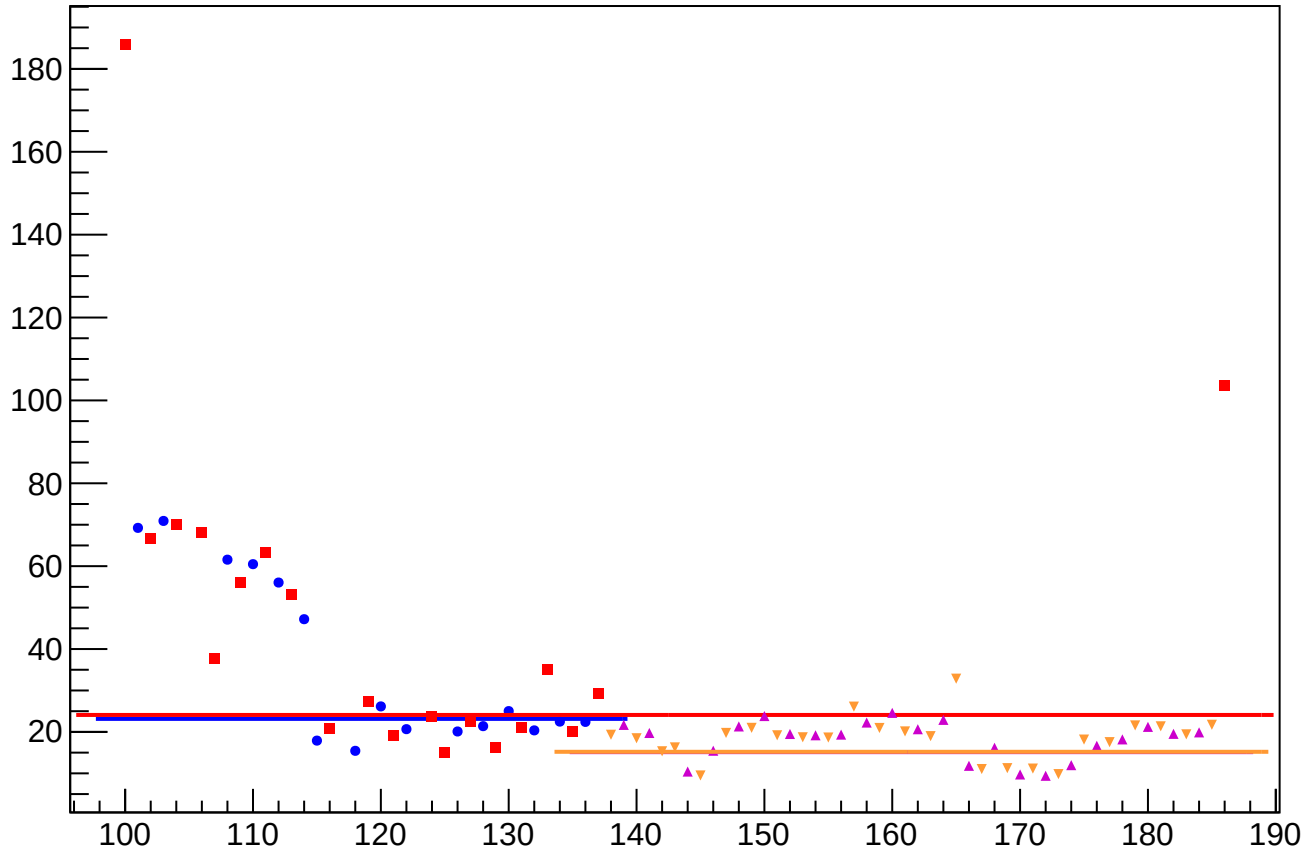
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.010+/-0.007 χ^2/NDF: 34.1/35

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 86.4/83



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

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

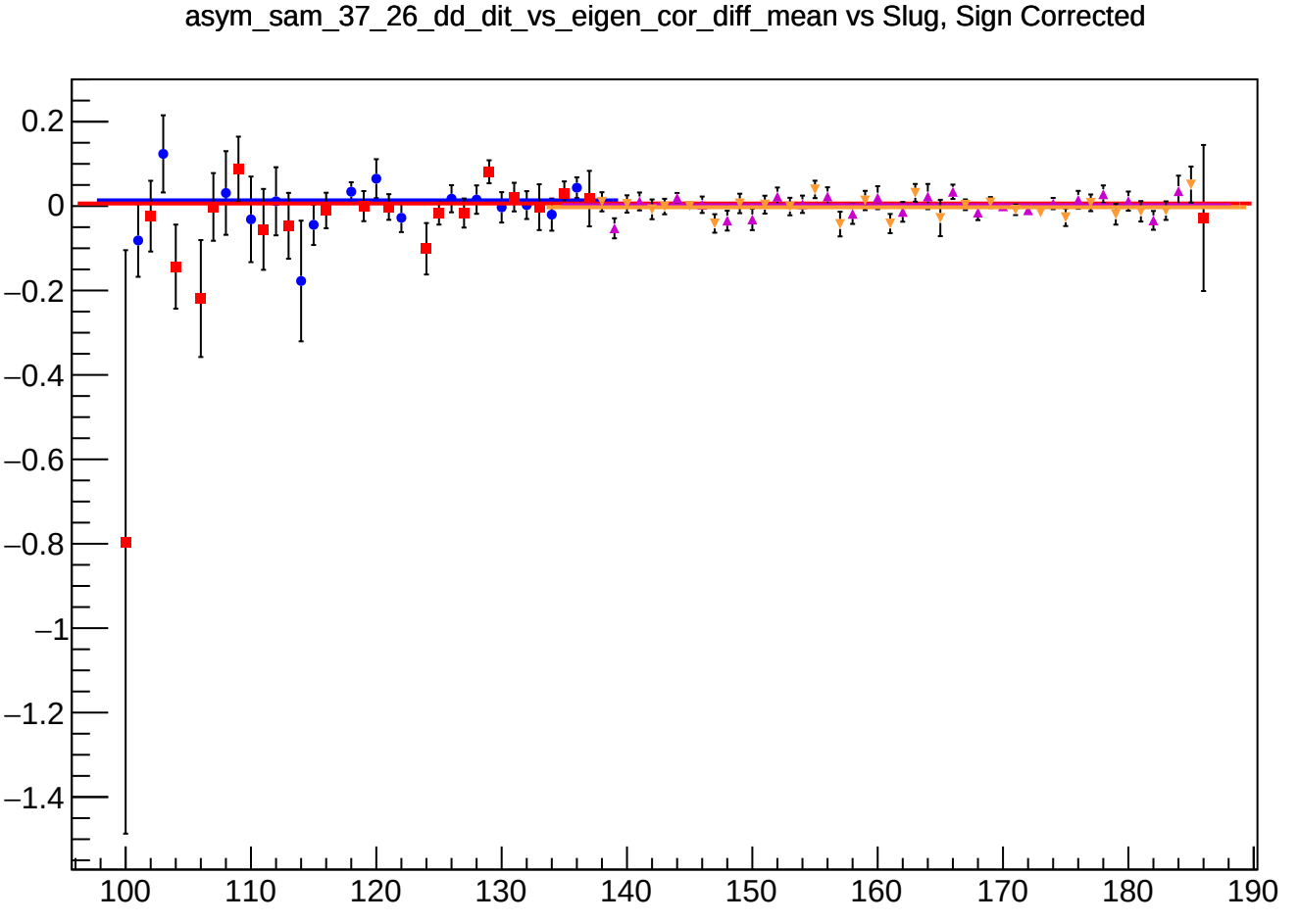
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 23.610+/-0.005 χ^2/NDF: 5738119.3/35

In: 16.169+/-0.003 χ^2/NDF:6964017.1/38

Out: 16.266+/-0.002 χ^2/NDF:8142769.4/44

All: 16.219+/-0.002 χ^2/NDF: 15107533.5/83



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

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

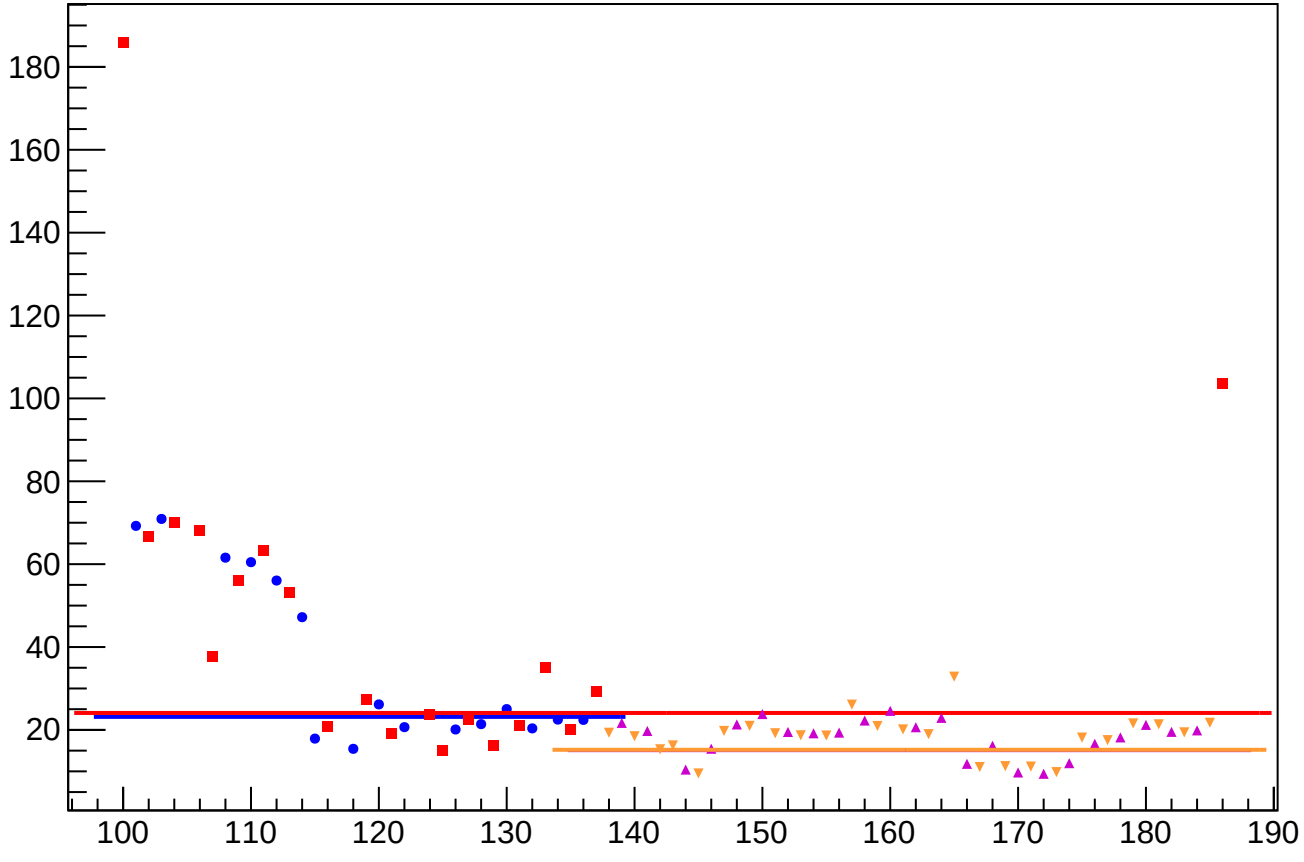
Right: 0.010+/-0.007 χ^2/NDF: 34.1/35

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 86.4/83

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 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

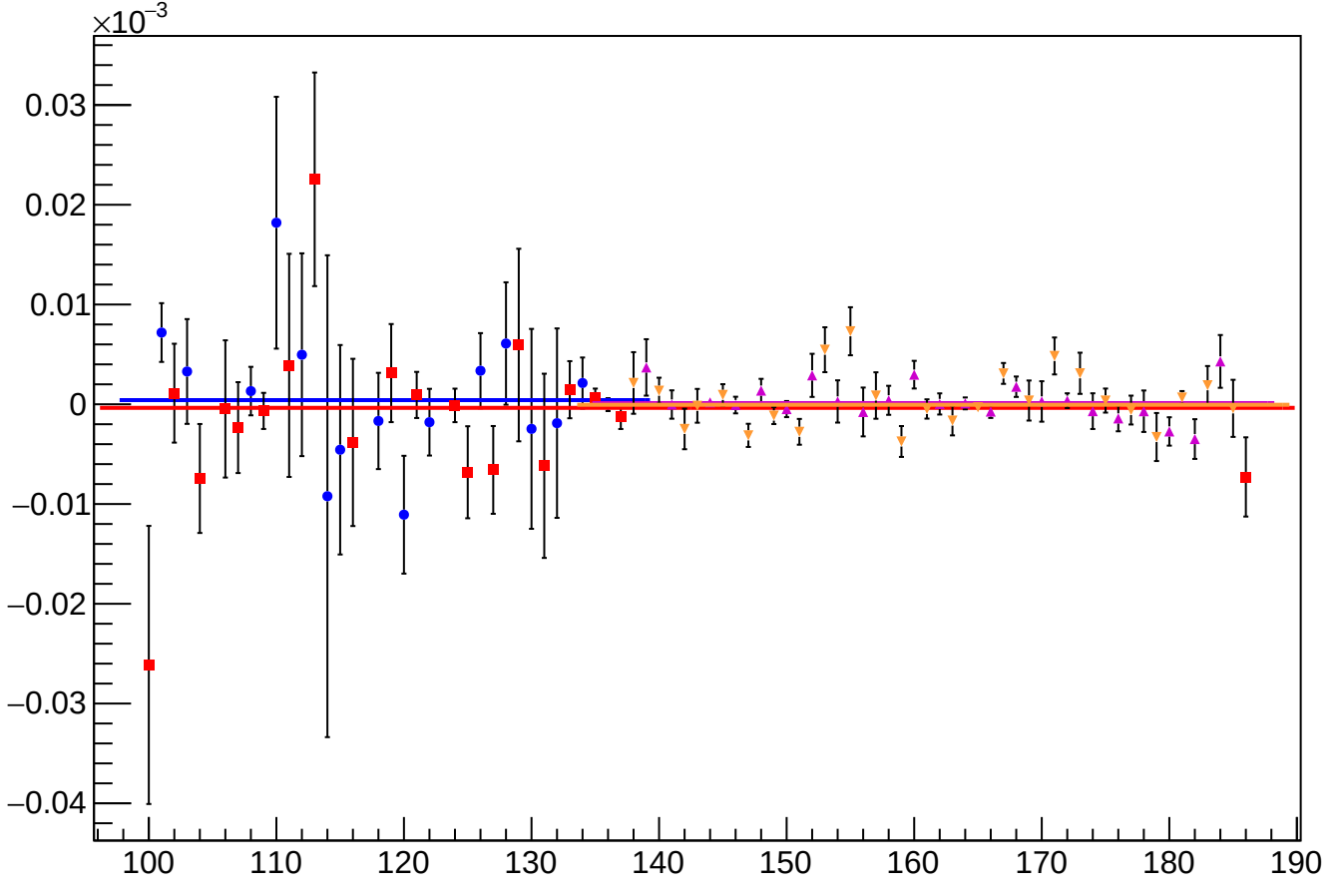
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 23.610+/-0.005 χ^2/NDF: 5738119.3/35

In: 16.169+/-0.003 χ^2/NDF:6964017.1/38

Out: 16.266+/-0.002 χ^2/NDF:8142769.4/44

All: 16.219+/-0.002 χ^2/NDF: 15107533.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

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

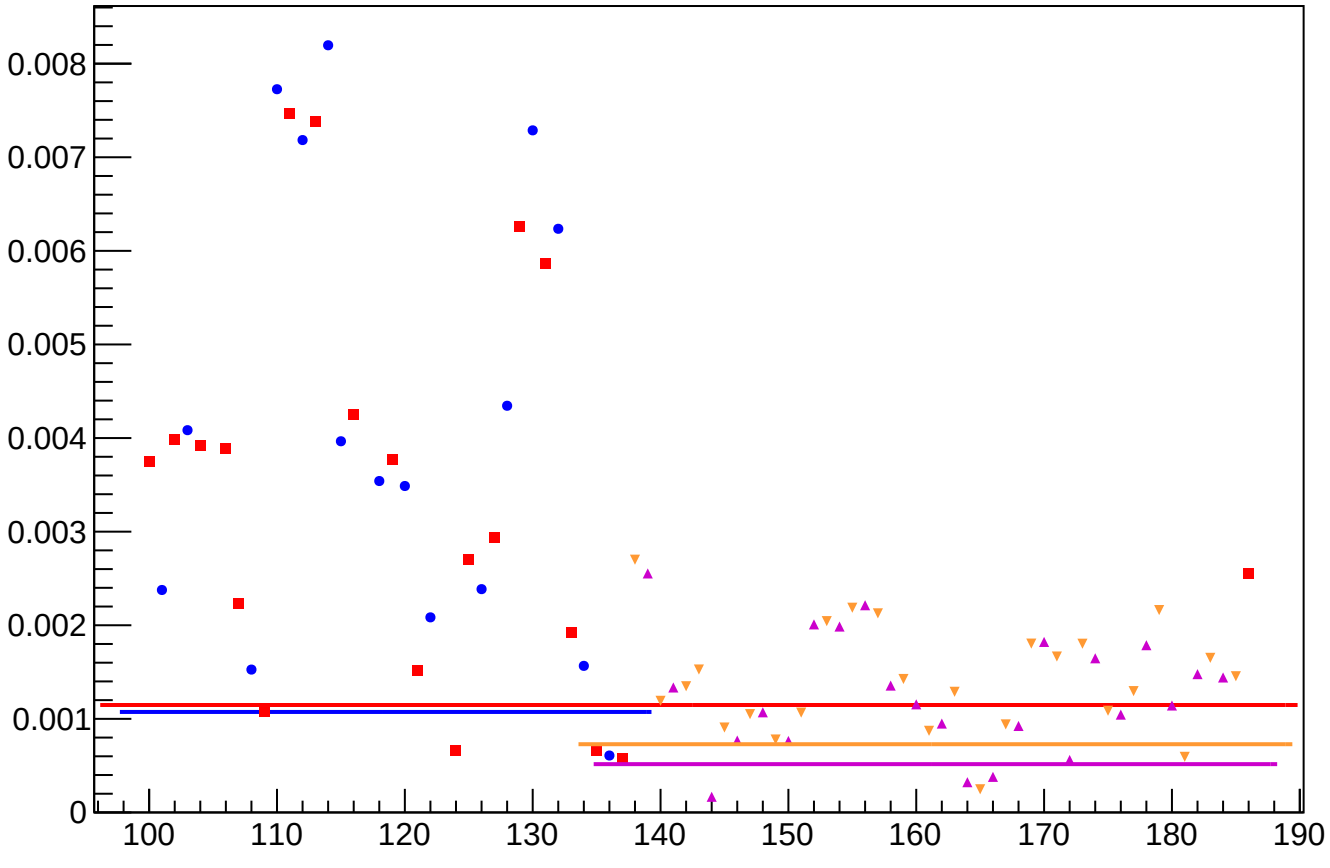
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 37.2/35

In: 0.000+/-0.000 χ^2/NDF:41.0/38

Out: -0.000+/-0.000 χ^2/NDF:84.1/44

All: 0.000+/-0.000 χ^2/NDF: 125.9/83



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

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

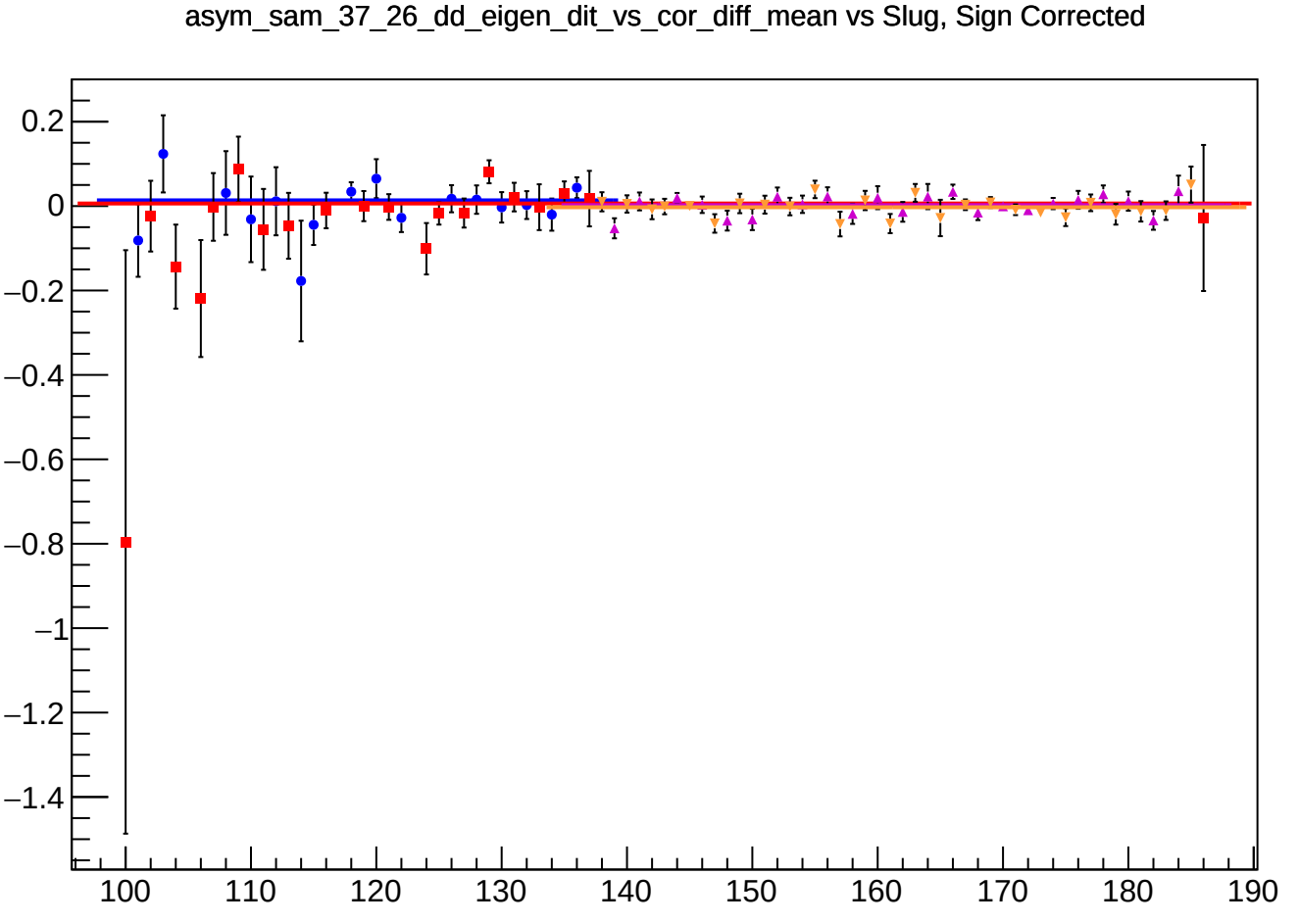
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 14113170.2/35

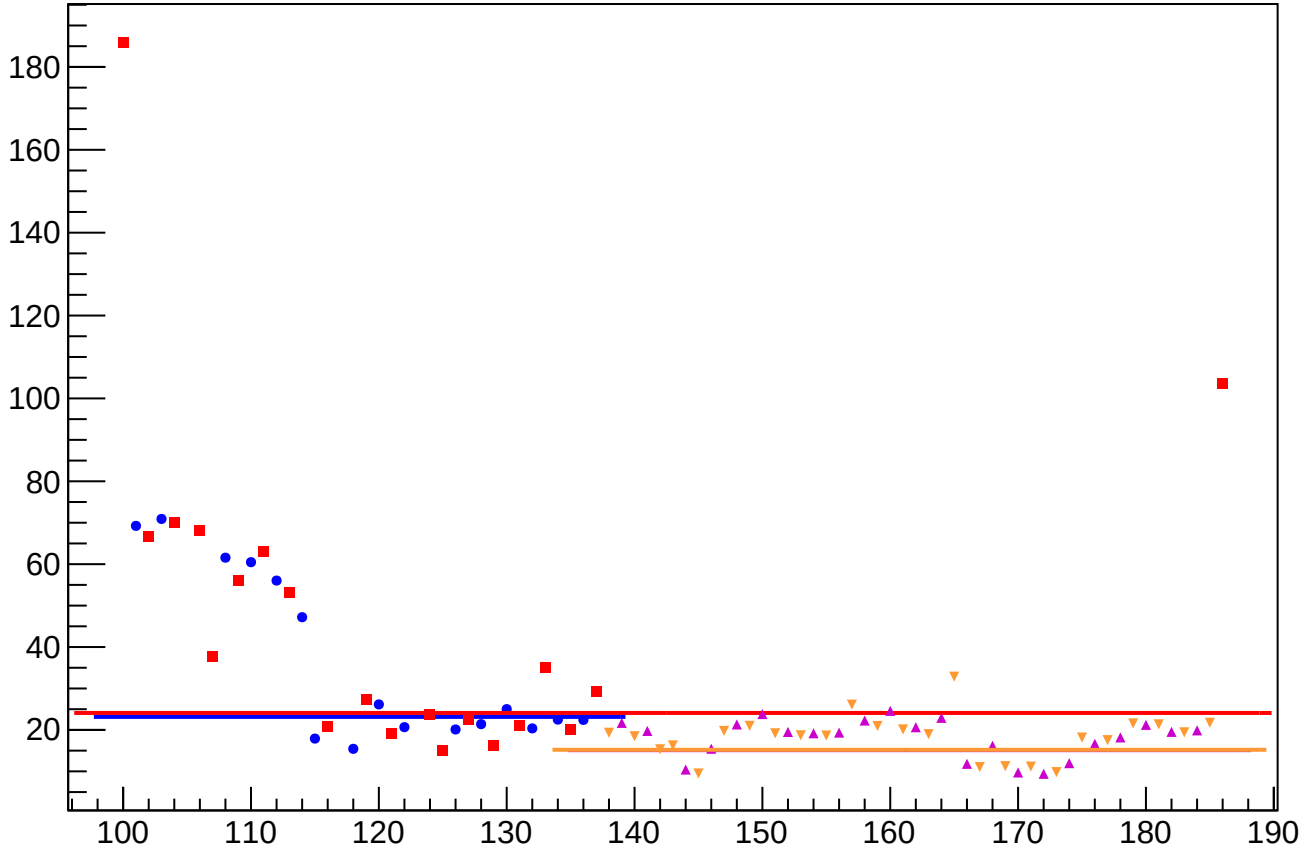
In: 0.001+/-0.000 χ^2/NDF:23871829.9/38

Out: 0.001+/-0.000 χ^2/NDF:21146743.6/44

All: 0.001+/-0.000 χ^2/NDF: 46404303.8/83


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: -0.003+/-0.004 χ²/NDF:22.6/24
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/19
Left In: 0.002+/-0.004 χ²/NDF:26.9/22
Left: -0.000+/-0.003 χ²/NDF: 50.5/47
Right: 0.010+/-0.007 χ²/NDF: 34.1/35
In: 0.004+/-0.004 χ²/NDF:40.4/38
Out: -0.002+/-0.003 χ²/NDF:44.8/44
All: 0.001+/-0.002 χ²/NDF: 86.4/83

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 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

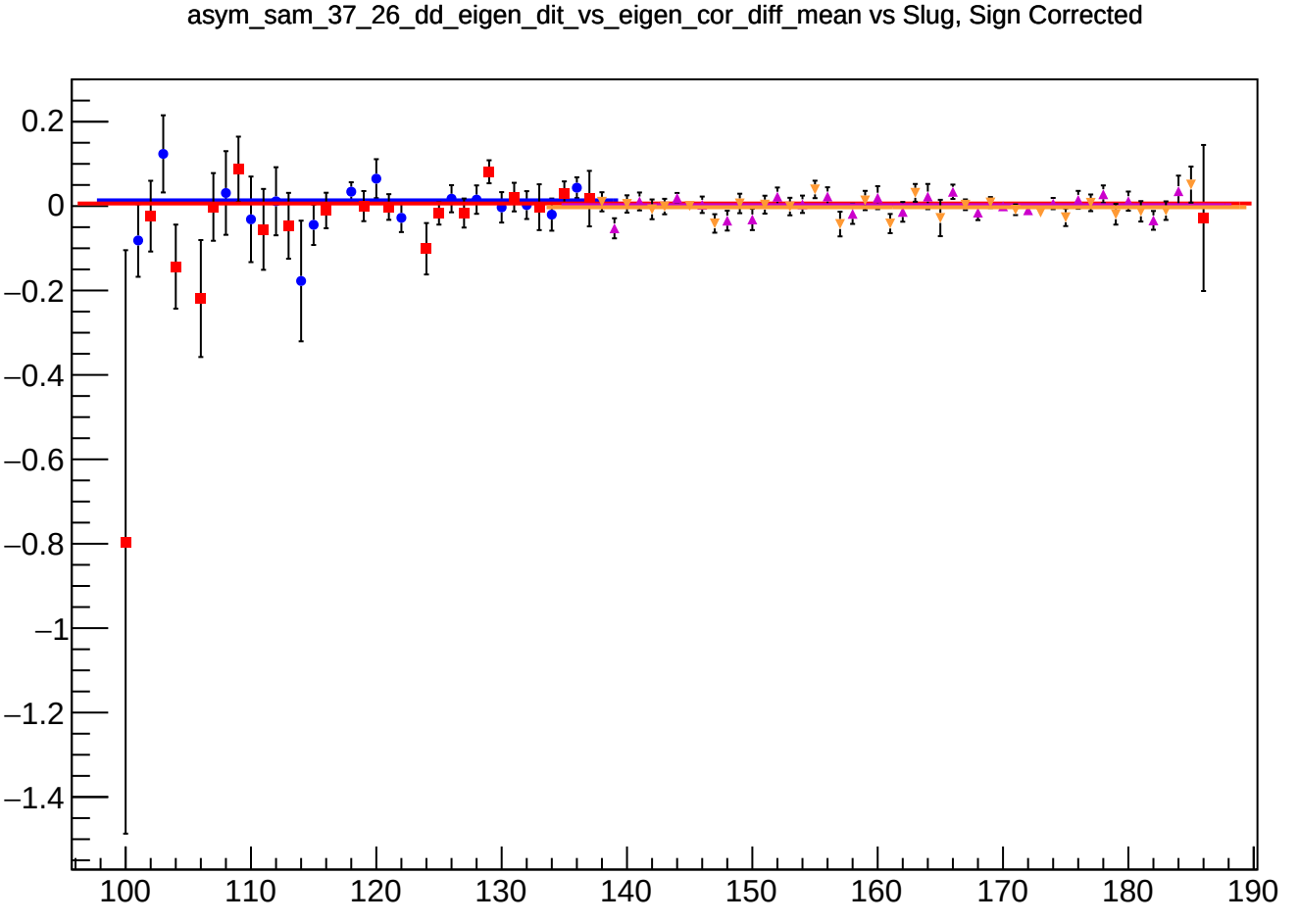
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 23.609+/-0.005 χ^2/NDF: 5738112.8/35

In: 16.169+/-0.003 χ^2/NDF:6963777.7/38

Out: 16.266+/-0.002 χ^2/NDF:8142680.5/44

All: 16.219+/-0.002 χ^2/NDF: 15107205.3/83



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

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

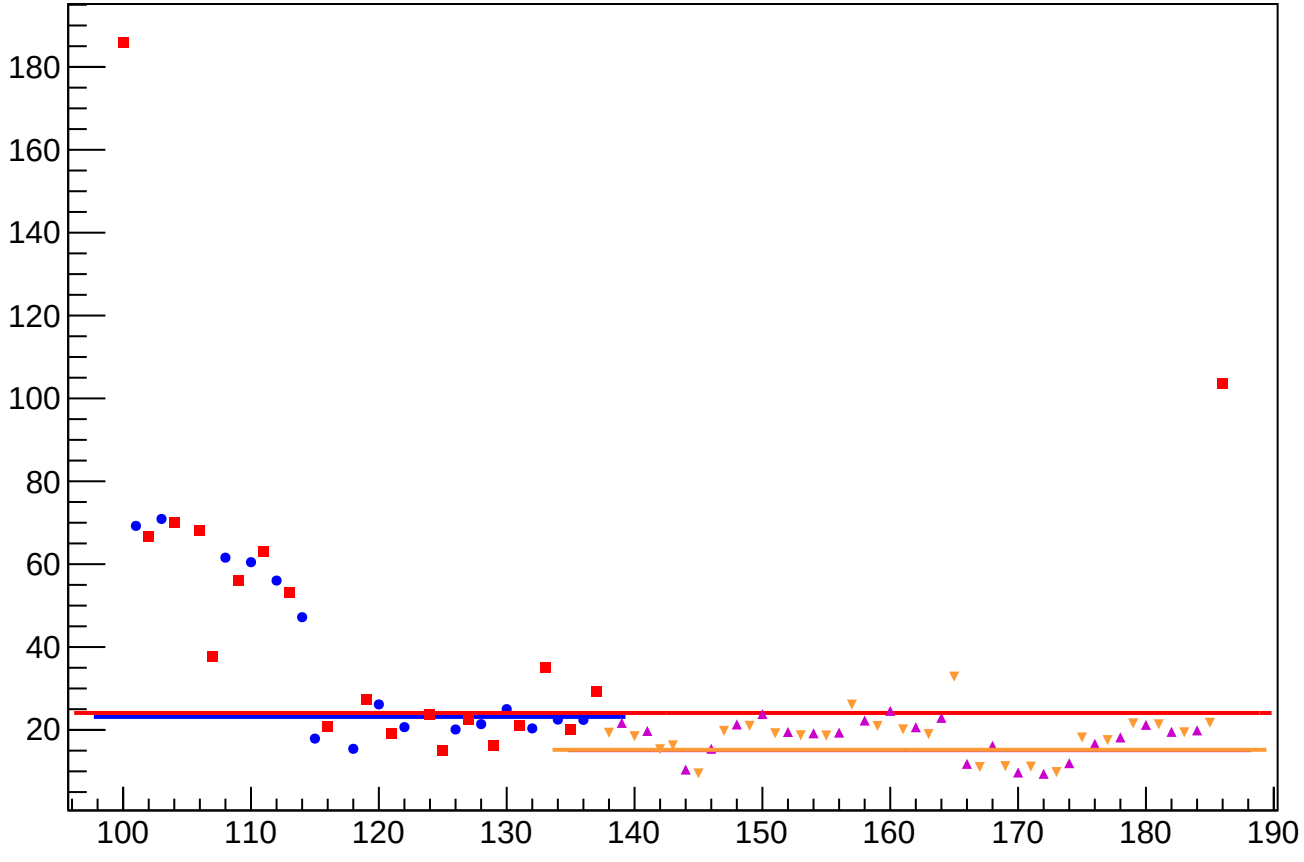
Right: 0.010+/-0.007 χ^2/NDF: 34.1/35

In: 0.004+/-0.004 χ^2/NDF:40.4/38

Out: -0.002+/-0.003 χ^2/NDF:44.8/44

All: 0.001+/-0.002 χ^2/NDF: 86.4/83

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 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

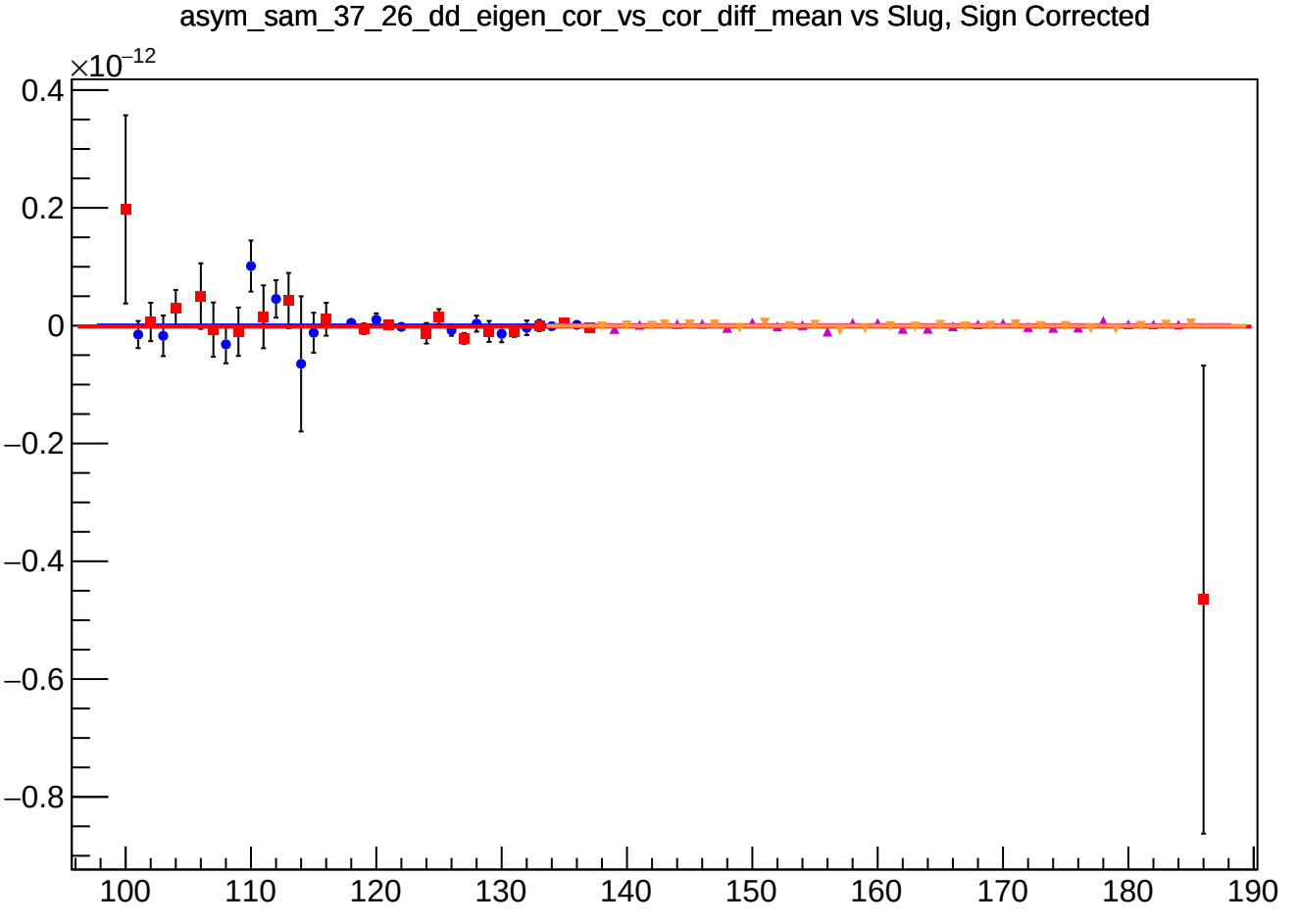
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 23.609+/-0.005 χ^2/NDF: 5738112.8/35

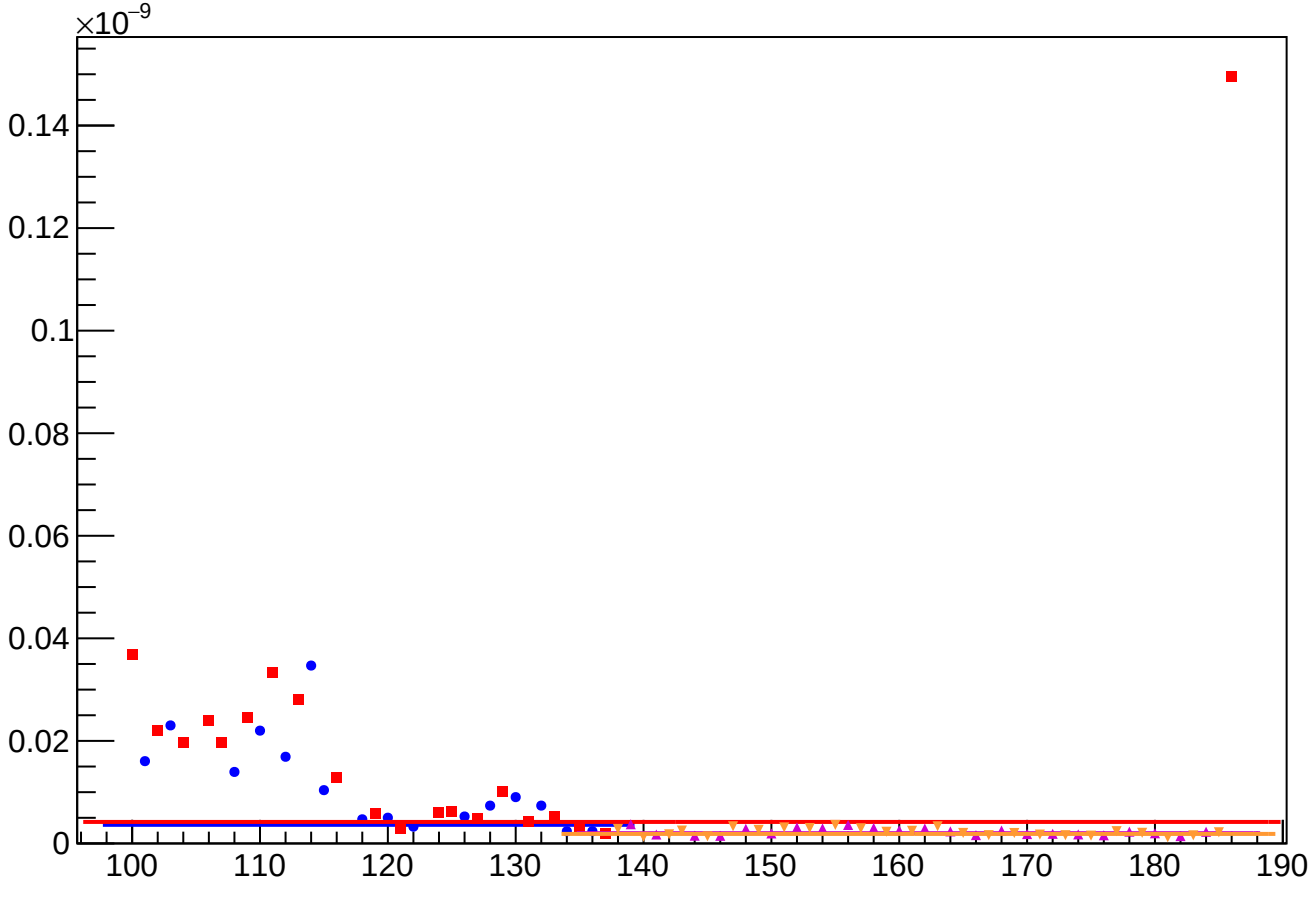
In: 16.169+/-0.003 χ^2/NDF:6963777.7/38

Out: 16.266+/-0.002 χ^2/NDF:8142680.5/44

All: 16.219+/-0.002 χ^2/NDF: 15107205.3/83


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.9/19
Left In: 0.000+/-0.000 χ²/NDF:39.5/22
Left: 0.000+/-0.000 χ²/NDF: 62.7/47
Right: -0.000+/-0.000 χ²/NDF: 30.2/35
In: 0.000+/-0.000 χ²/NDF:52.5/38
Out: -0.000+/-0.000 χ²/NDF:38.6/44
All: 0.000+/-0.000 χ²/NDF: 93.2/83

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF: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

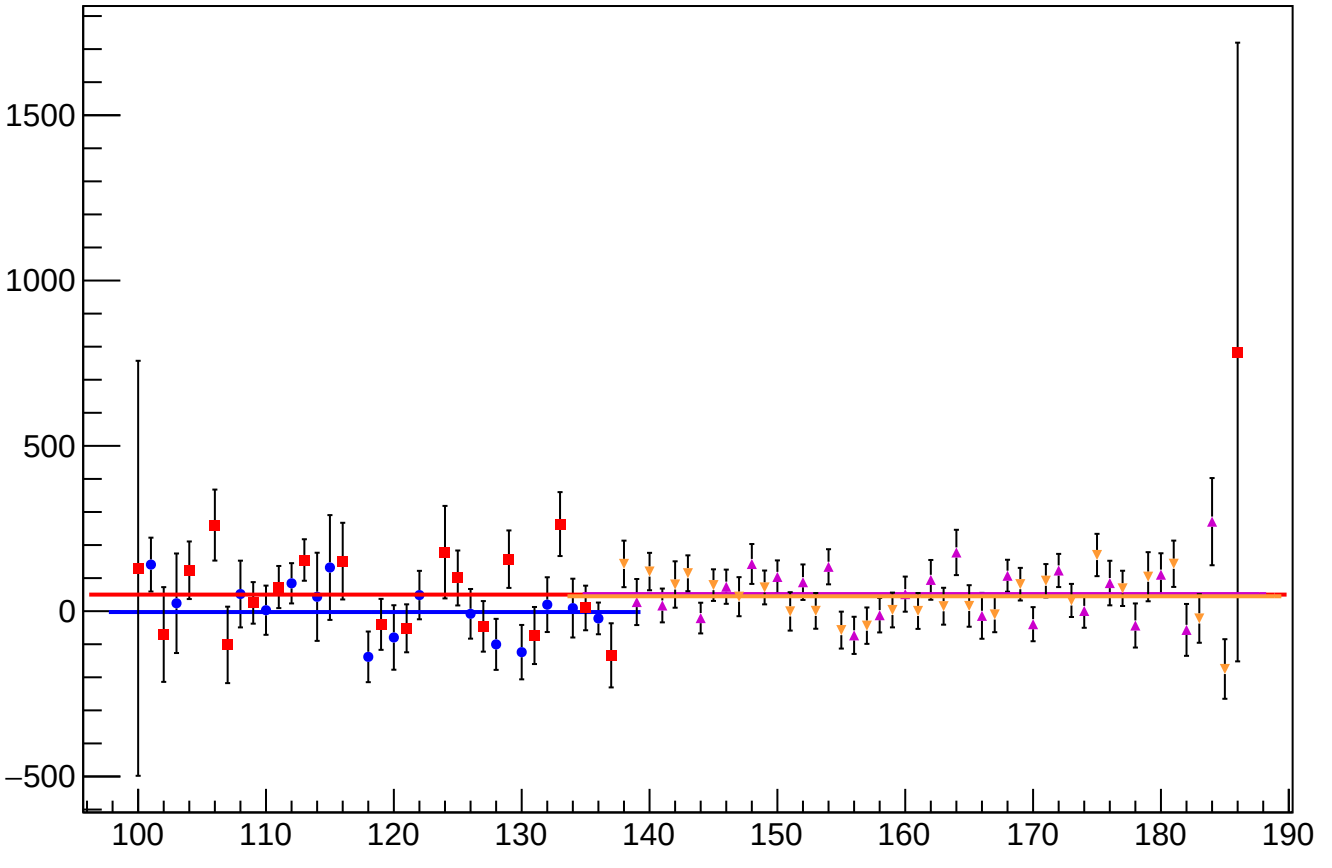
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8377460.9/35

In: 0.000+/-0.000 χ^2/NDF:6705053.3/38

Out: 0.000+/-0.000 χ^2/NDF:9237664.3/44

All: 0.000+/-0.000 χ^2/NDF: 16020558.0/83



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

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

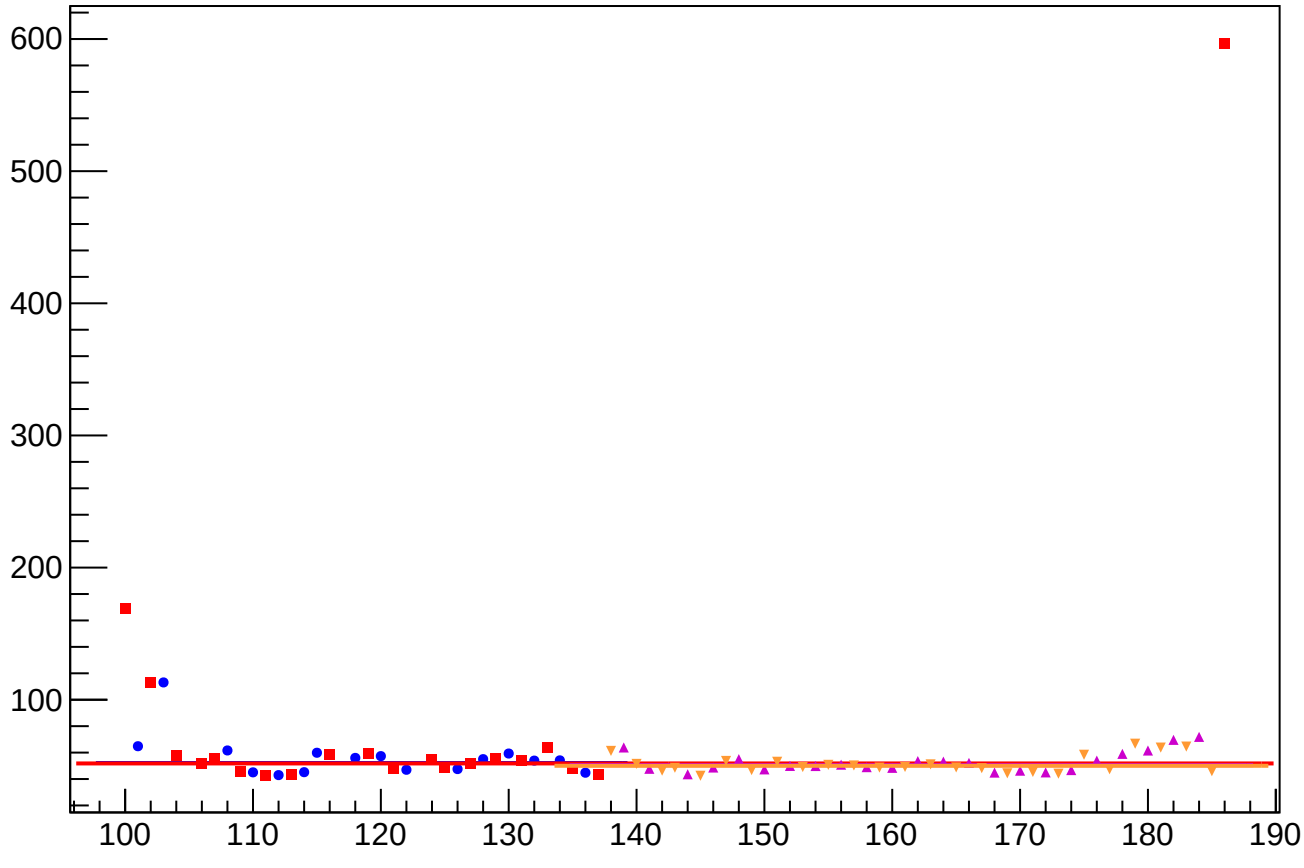
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 24.262+/-14.003 χ^2/NDF: 48.1/35

In: 37.381+/-10.244 χ^2/NDF:55.9/38

Out: 46.381+/-9.917 χ^2/NDF:61.4/44

All: 42.026+/-7.125 χ^2/NDF: 117.6/83



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

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

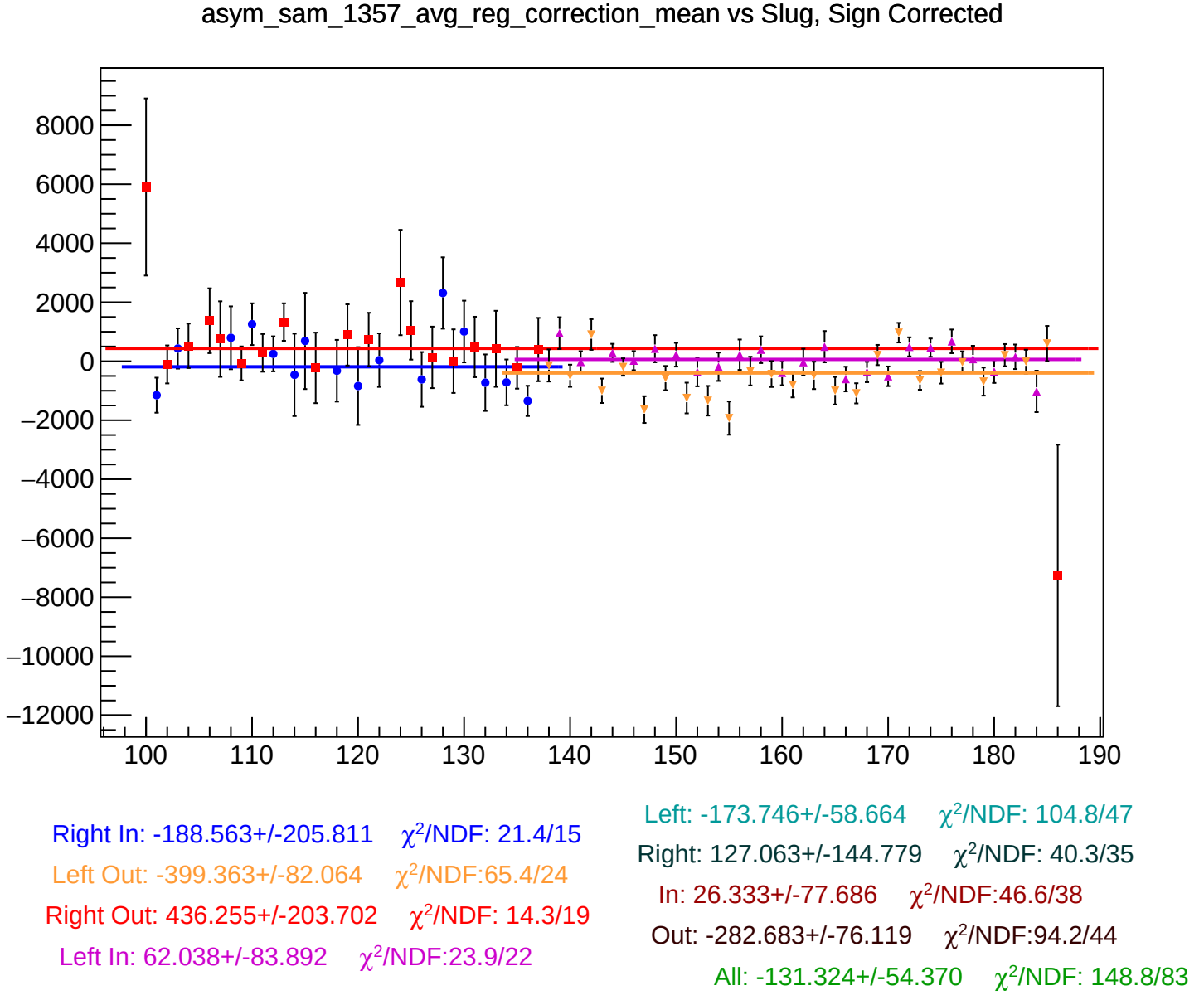
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 51.956+/-0.010 χ^2/NDF: 1881118.9/35

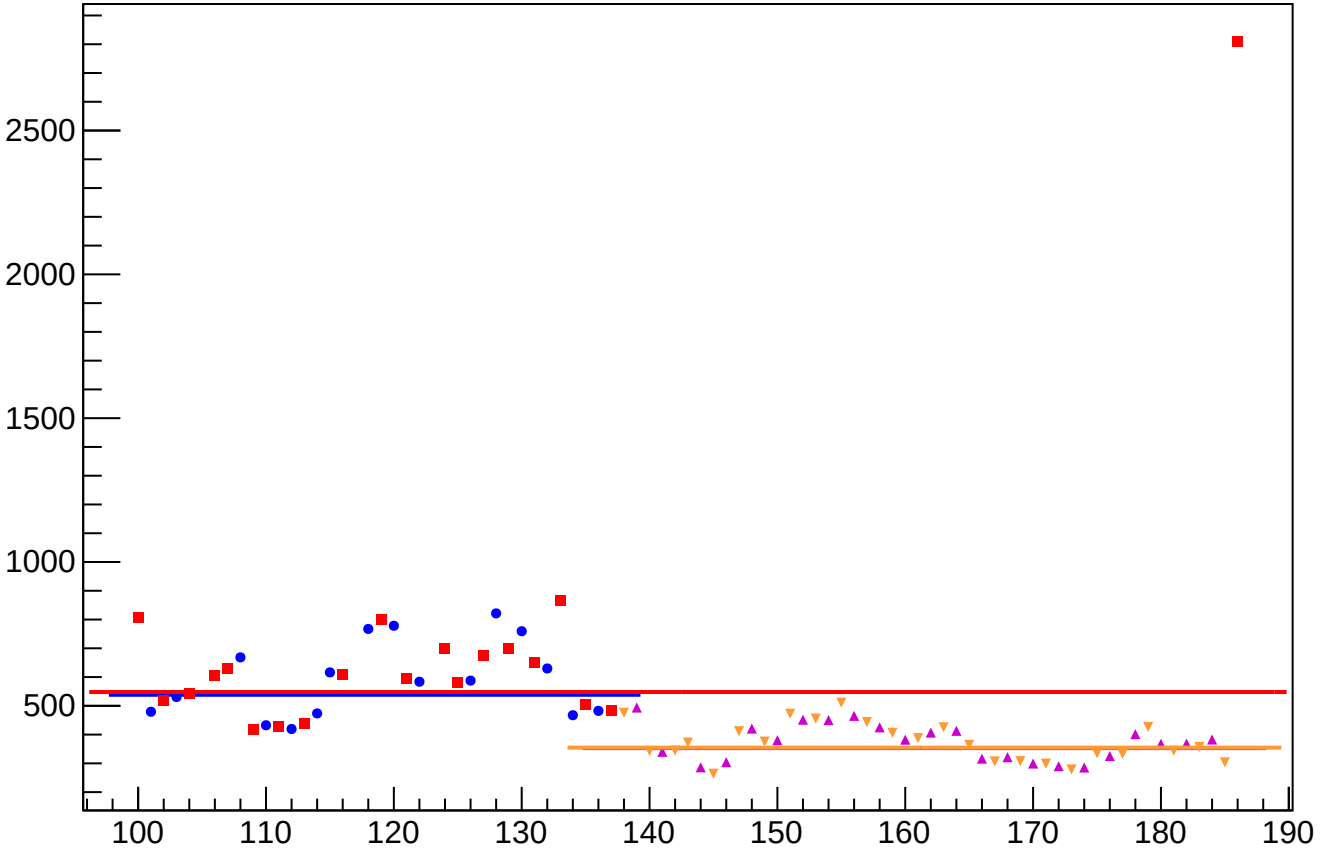
In: 50.936+/-0.007 χ^2/NDF:1075966.1/38

Out: 50.473+/-0.007 χ^2/NDF:1839106.1/44

All: 50.697+/-0.005 χ^2/NDF: 2917184.4/83


asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -188.563+/-205.811 χ²/NDF: 21.4/15
Left Out: -399.363+/-82.064 χ²/NDF:65.4/24
Right Out: 436.255+/-203.702 χ²/NDF: 14.3/19
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.746+/-58.664 χ²/NDF: 104.8/47
Right: 127.063+/-144.779 χ²/NDF: 40.3/35
In: 26.333+/-77.686 χ²/NDF:46.6/38
Out: -282.683+/-76.119 χ²/NDF:94.2/44
All: -131.324+/-54.370 χ²/NDF: 148.8/83

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

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

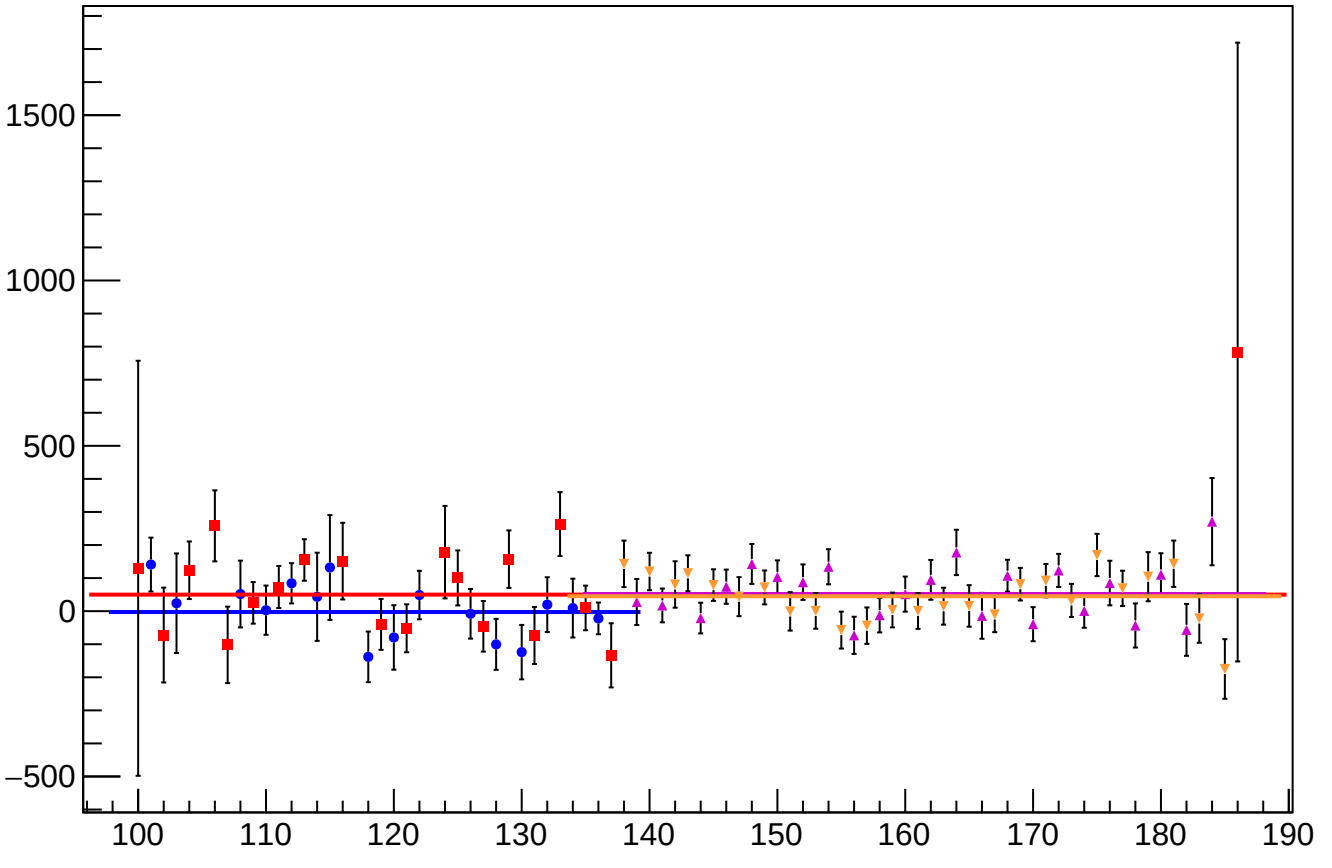
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 543.295+/-0.102 χ^2/NDF: 1774559.7/35

In: 379.520+/-0.055 χ^2/NDF:3009226.0/38

Out: 381.669+/-0.054 χ^2/NDF:3854201.0/44

All: 380.616+/-0.038 χ^2/NDF: 6864208.0/83



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

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

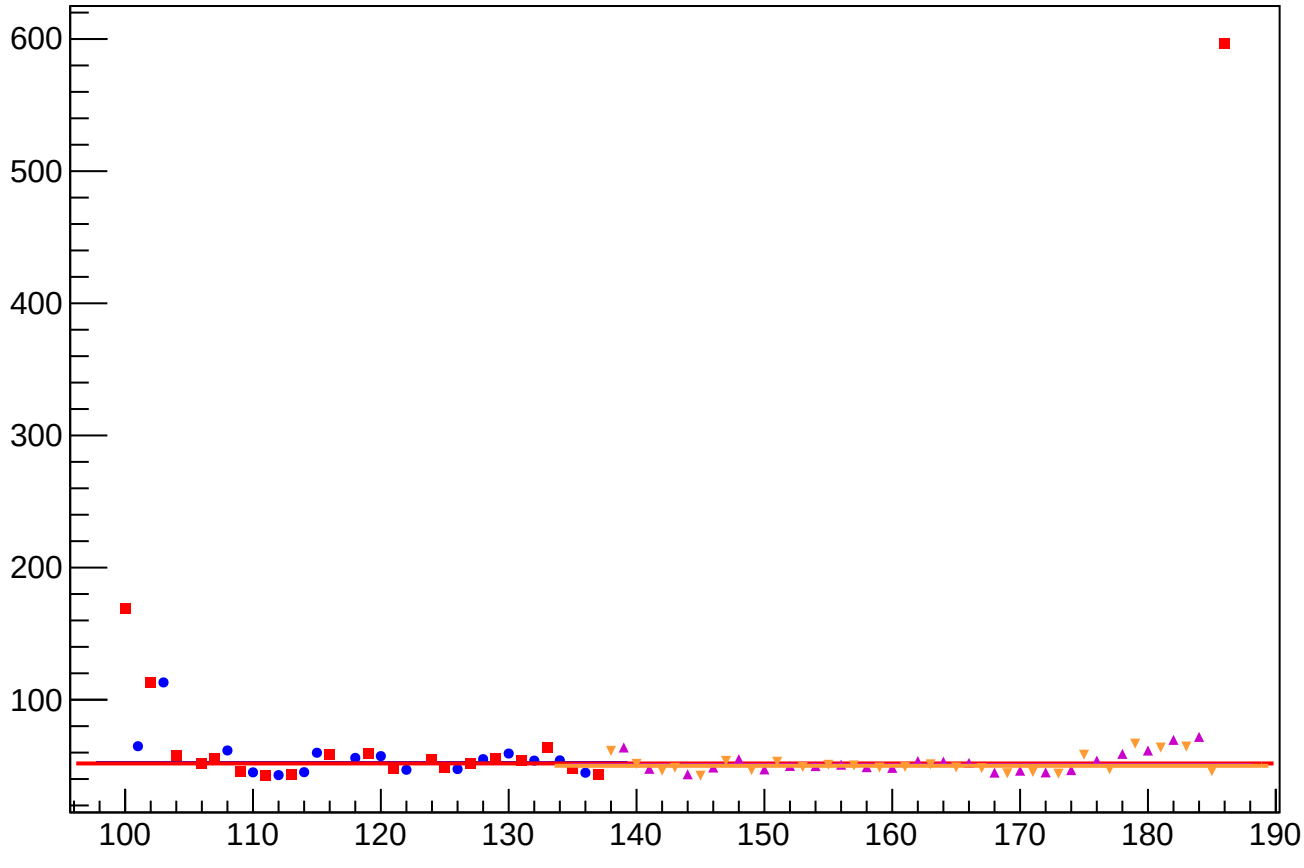
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 24.200+/-14.003 χ^2/NDF: 48.0/35

In: 37.379+/-10.244 χ^2/NDF:55.9/38

Out: 46.354+/-9.918 χ^2/NDF:61.3/44

All: 42.012+/-7.125 χ^2/NDF: 117.5/83



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

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

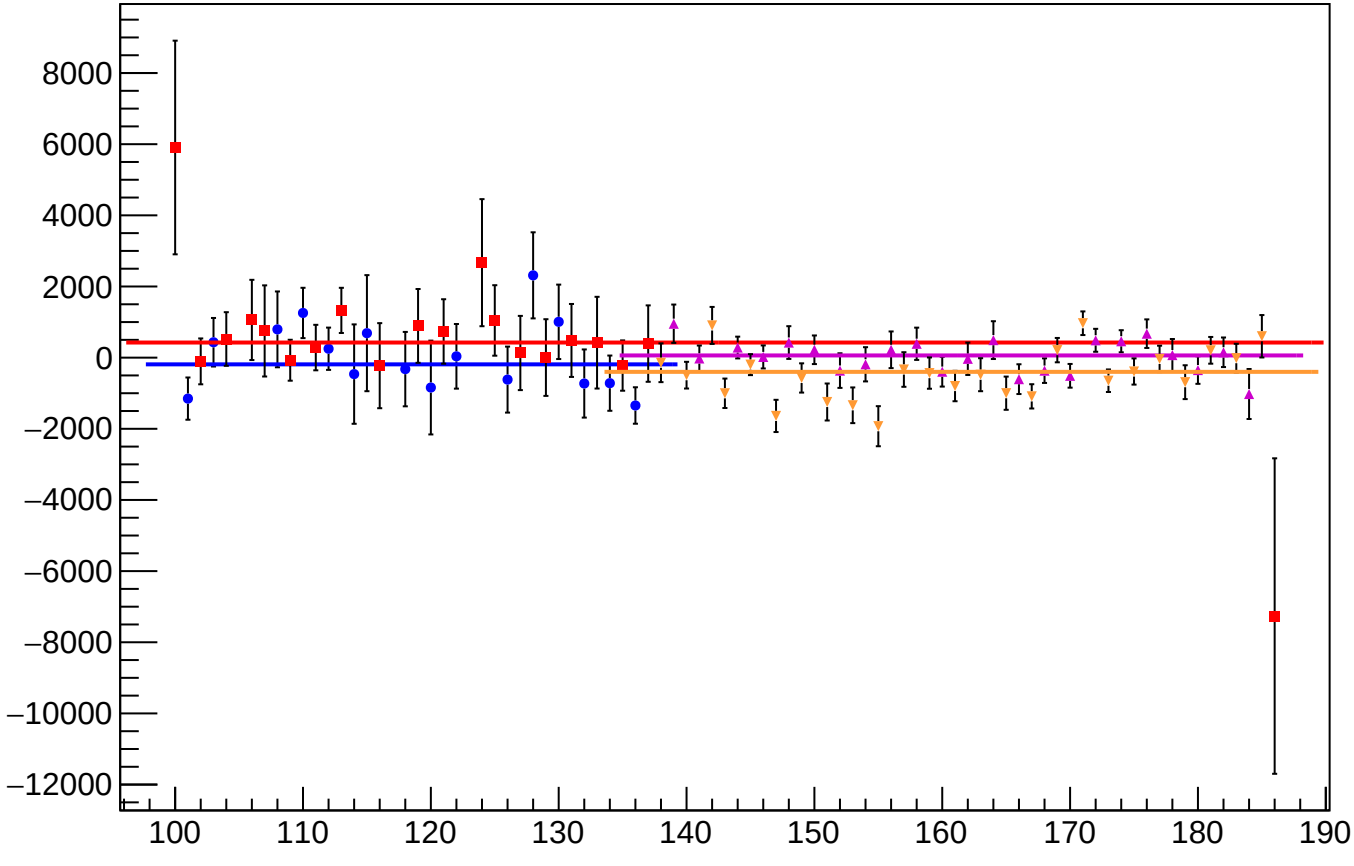
Right: 51.950+/-0.010 χ^2/NDF: 1881384.7/35

In: 50.936+/-0.007 χ^2/NDF:1075968.4/38

Out: 50.470+/-0.007 χ^2/NDF:1839210.7/44

All: 50.696+/-0.005 χ^2/NDF: 2917315.5/83

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -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

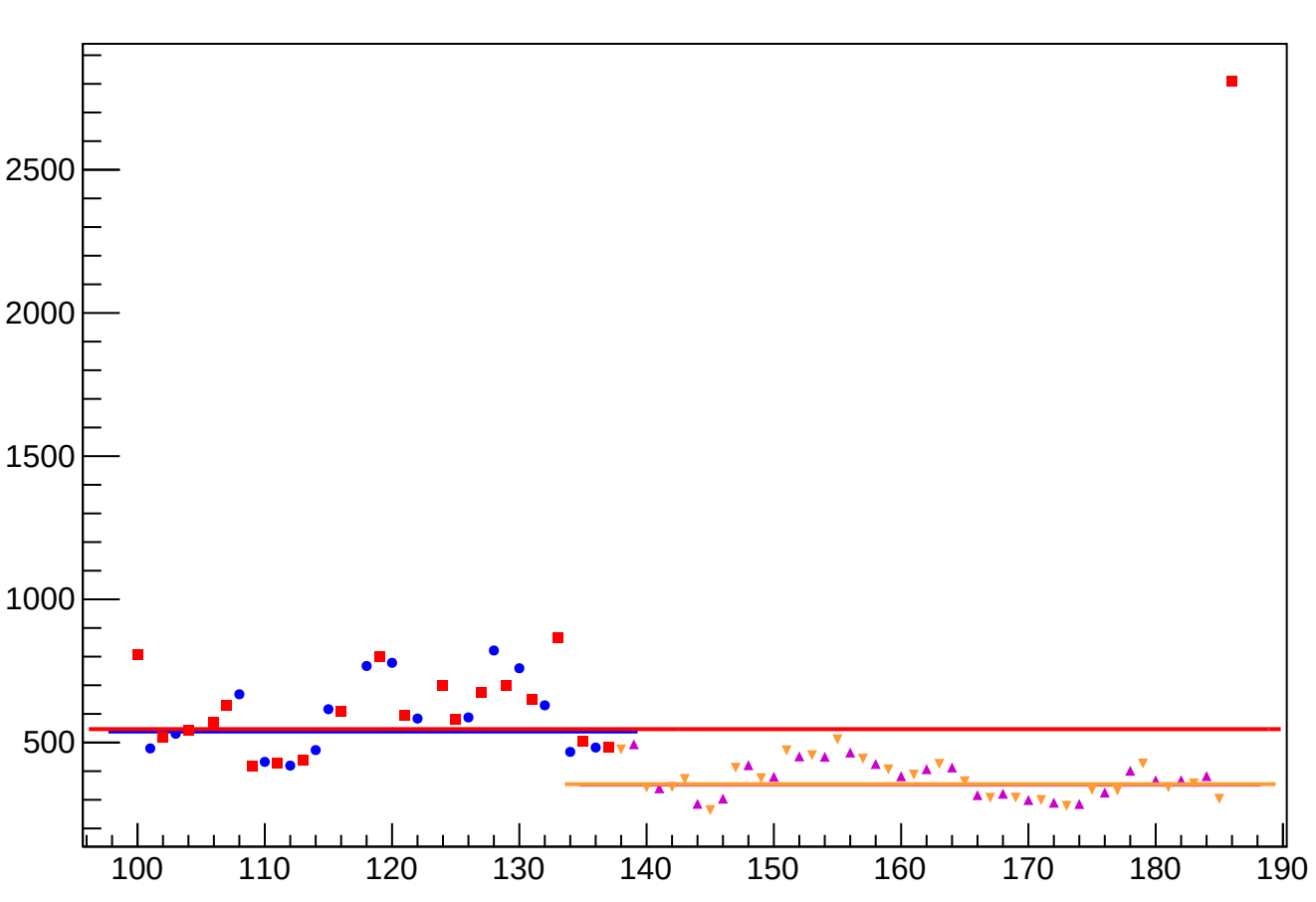
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 121.041+/-144.849 χ^2/NDF: 39.7/35

In: 26.336+/-77.686 χ^2/NDF:46.6/38

Out: -284.454+/-76.129 χ^2/NDF:93.4/44

All: -132.206+/-54.374 χ^2/NDF: 148.1/83



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

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

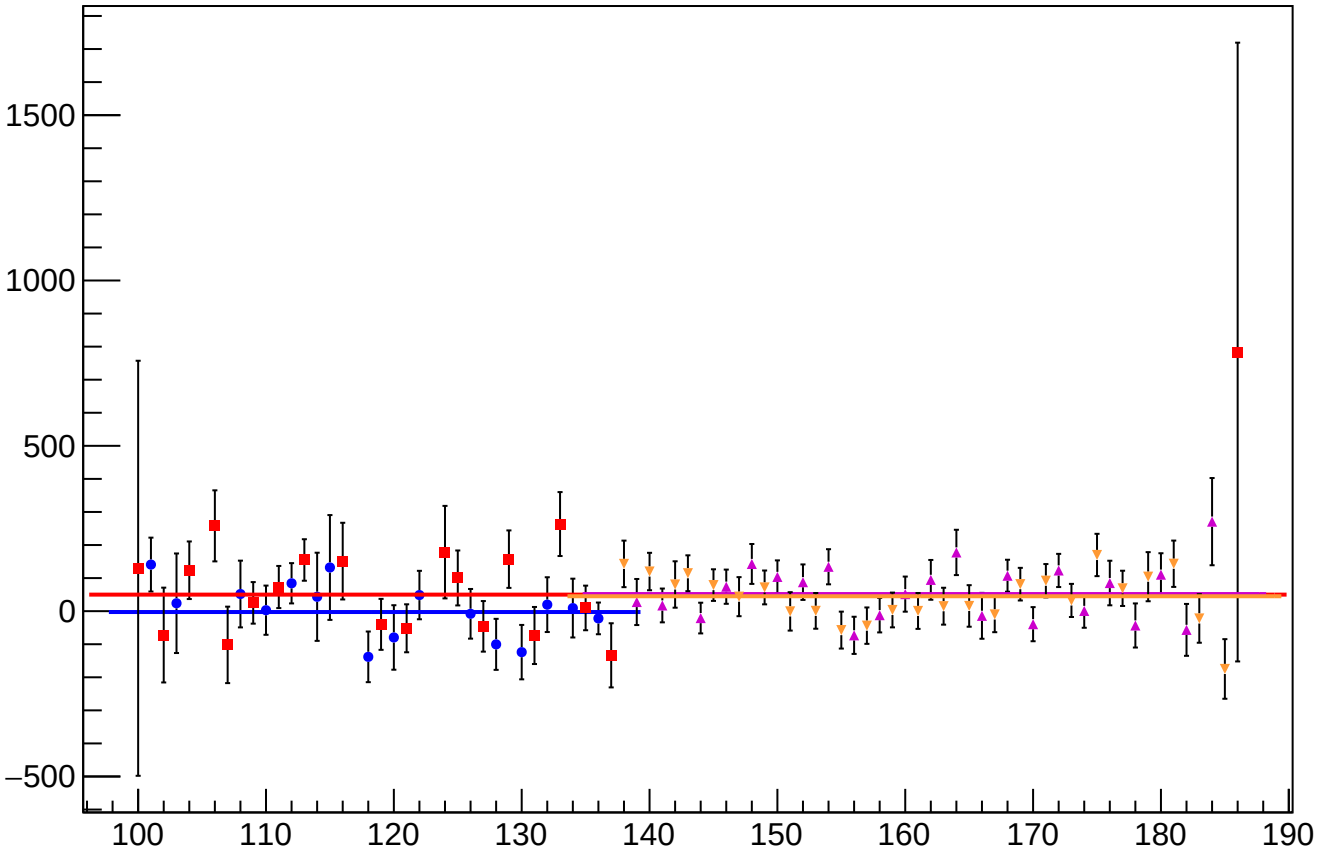
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 542.685+/-0.102 χ^2/NDF: 1769039.1/35

In: 379.520+/-0.055 χ^2/NDF:3009278.0/38

Out: 381.457+/-0.054 χ^2/NDF:3827461.9/44

All: 380.508+/-0.038 χ^2/NDF: 6837374.1/83



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

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

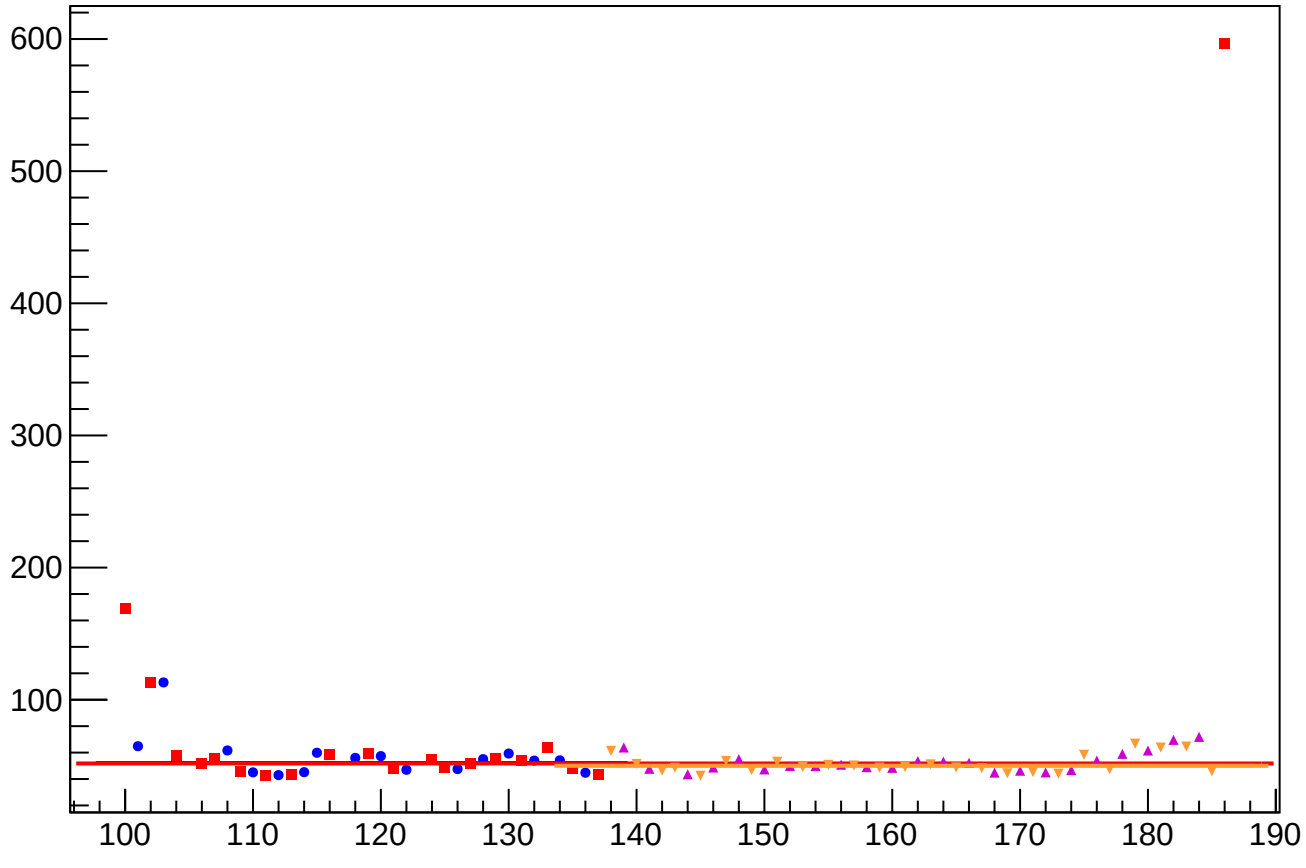
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 24.200+/-14.003 χ^2/NDF: 48.0/35

In: 37.379+/-10.244 χ^2/NDF:55.9/38

Out: 46.354+/-9.918 χ^2/NDF:61.3/44

All: 42.012+/-7.125 χ^2/NDF: 117.5/83



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

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

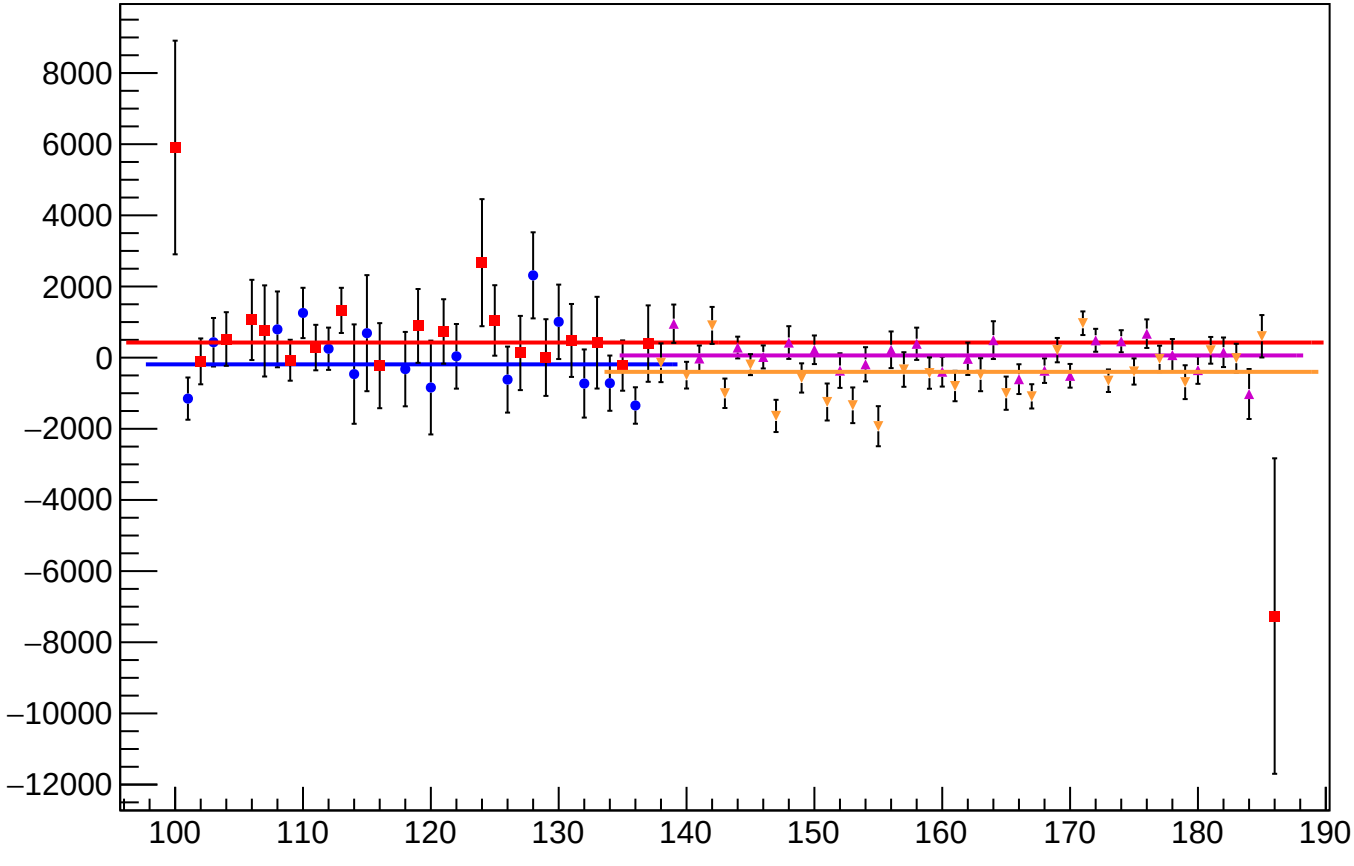
Right: 51.950+/-0.010 χ^2/NDF: 1881384.7/35

In: 50.936+/-0.007 χ^2/NDF:1075968.4/38

Out: 50.470+/-0.007 χ^2/NDF:1839210.7/44

All: 50.696+/-0.005 χ^2/NDF: 2917315.5/83

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -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

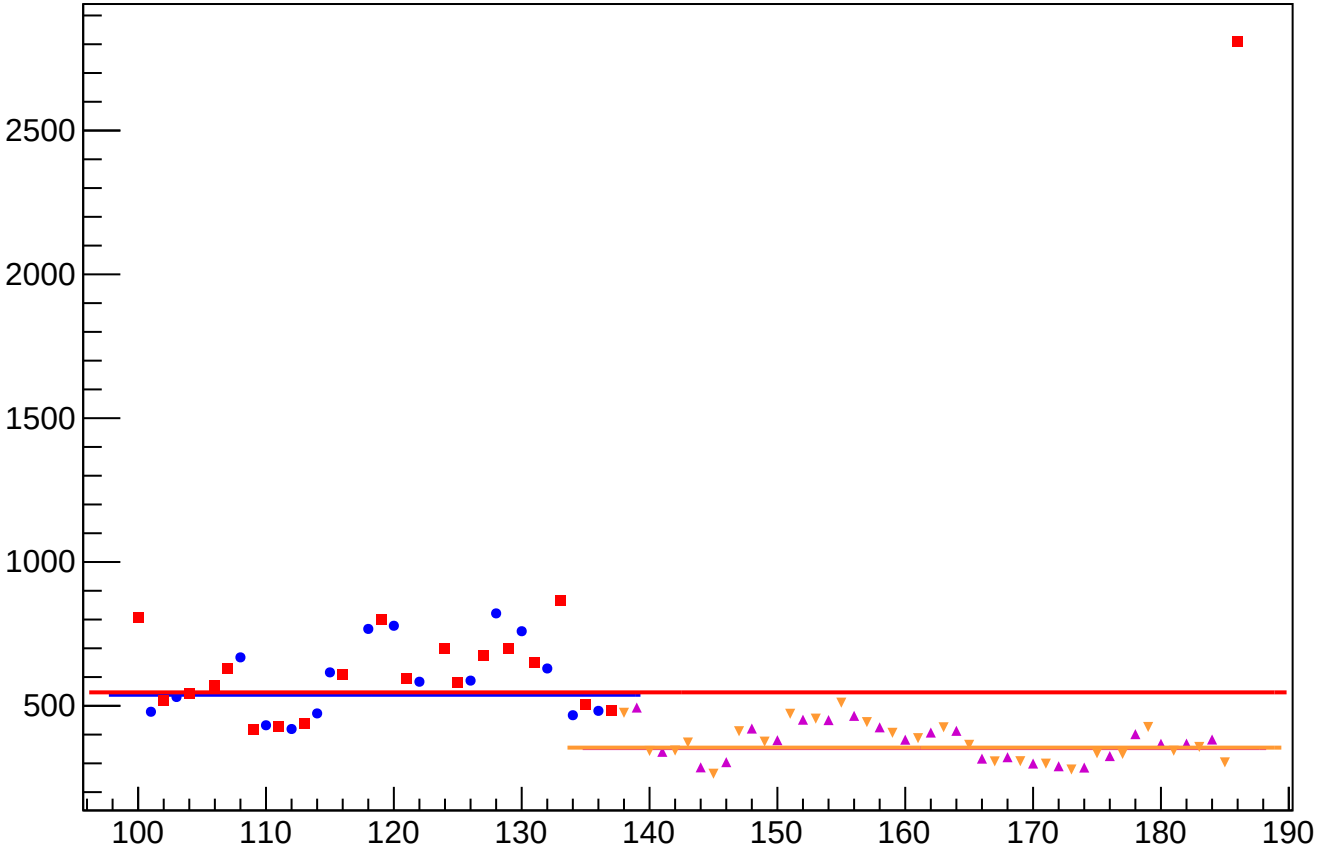
Right: 121.041+/-144.849 χ^2/NDF: 39.7/35

In: 26.336+/-77.686 χ^2/NDF:46.6/38

Out: -284.454+/-76.129 χ^2/NDF:93.4/44

All: -132.206+/-54.374 χ^2/NDF: 148.1/83

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 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

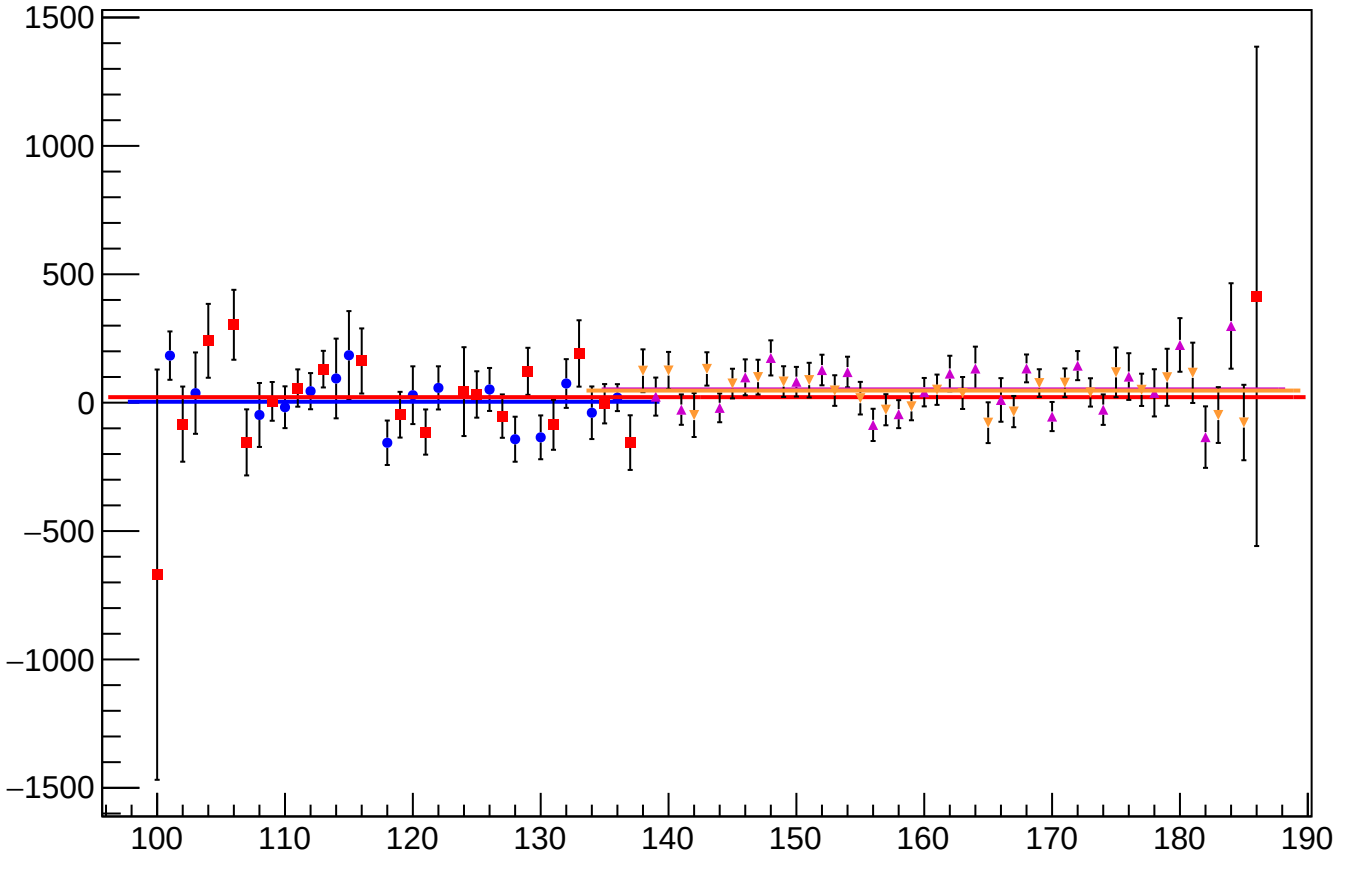
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 542.685+/-0.102 χ^2/NDF: 1769039.1/35

In: 379.520+/-0.055 χ^2/NDF:3009278.0/38

Out: 381.457+/-0.054 χ^2/NDF:3827461.9/44

All: 380.508+/-0.038 χ^2/NDF: 6837374.1/83



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

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

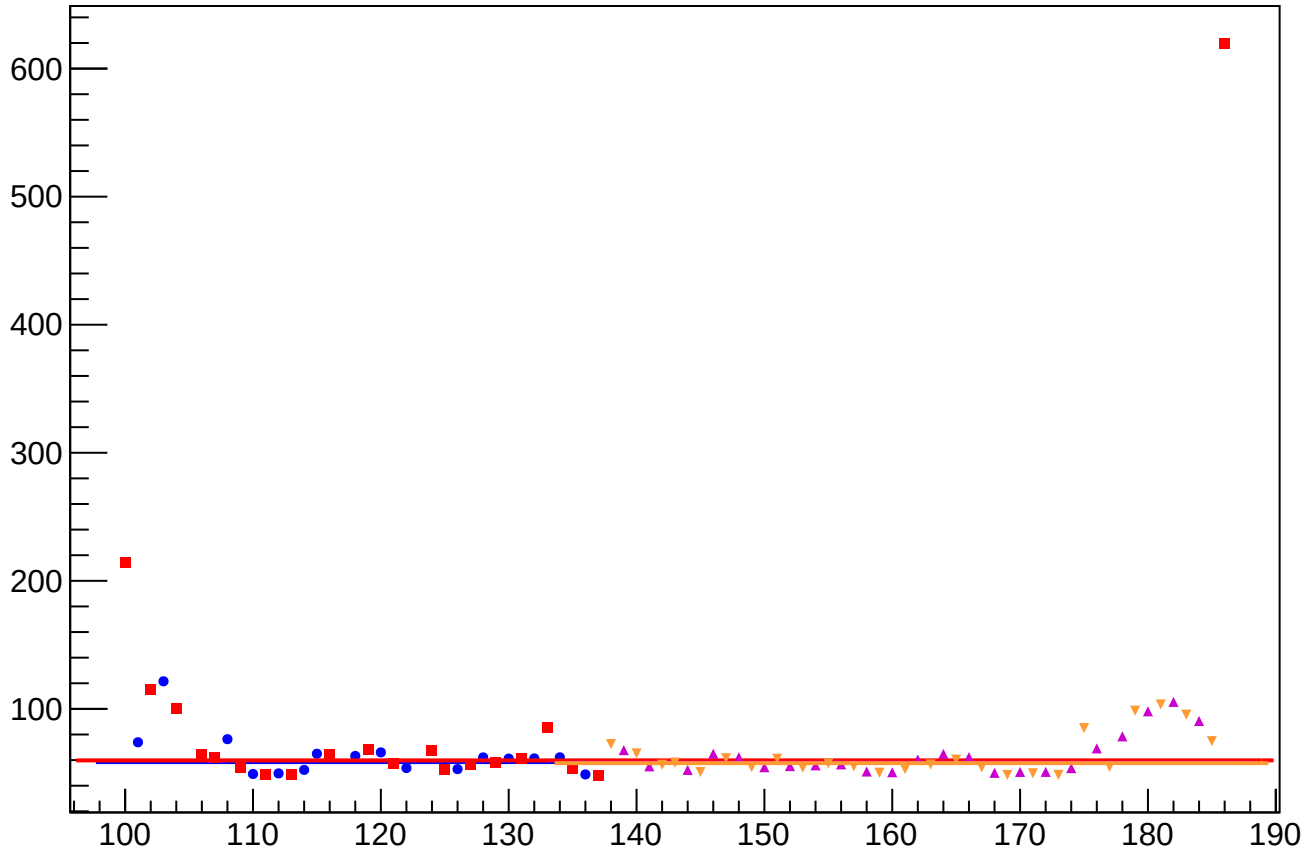
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 12.421+/-15.995 χ^2/NDF: 41.0/35

In: 38.314+/-11.843 χ^2/NDF:57.6/38

Out: 40.460+/-11.619 χ^2/NDF:42.5/44

All: 39.407+/-8.294 χ^2/NDF: 100.2/83



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

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

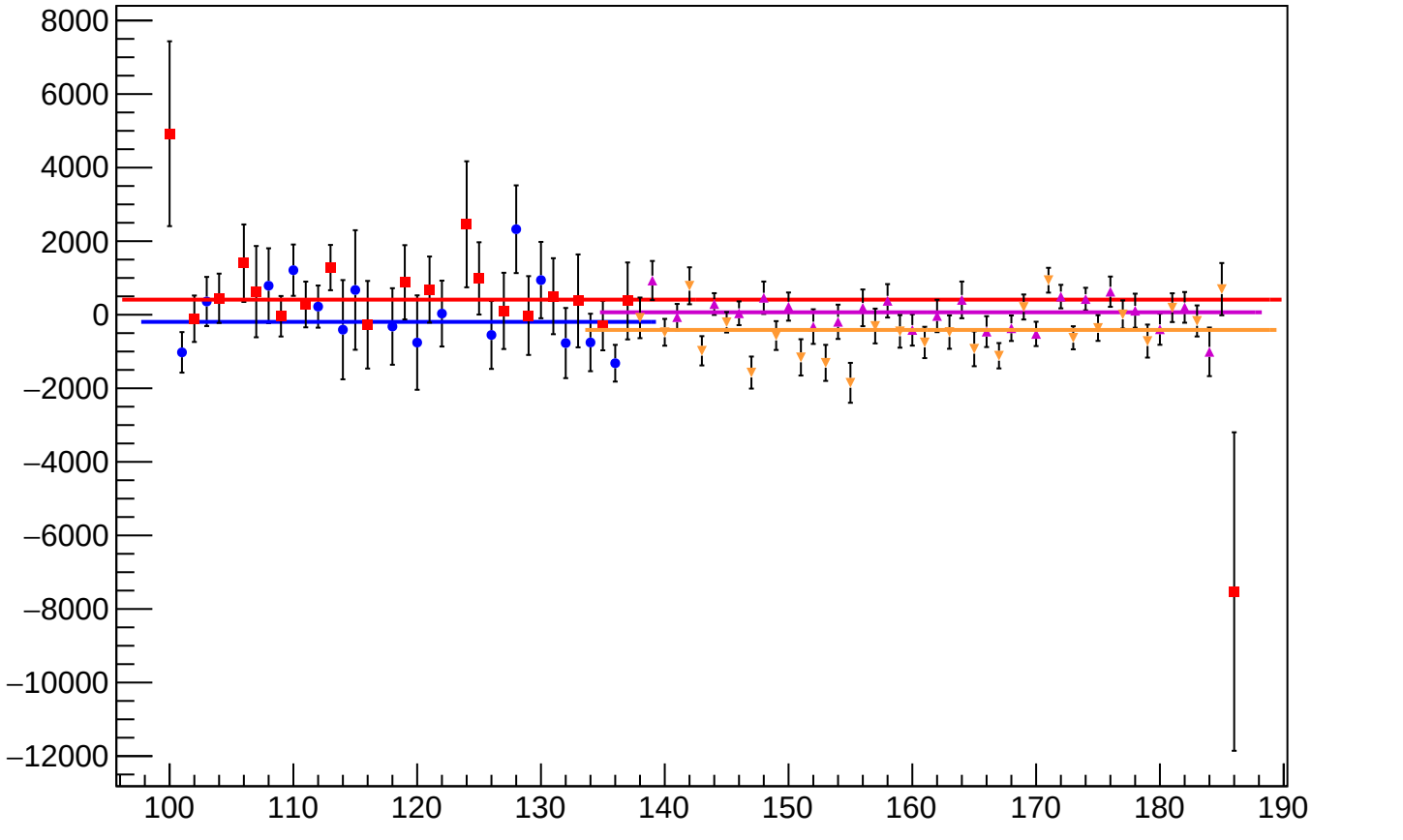
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 59.120+/-0.011 χ^2/NDF: 2034484.8/35

In: 58.086+/-0.008 χ^2/NDF:1708296.6/38

Out: 58.194+/-0.008 χ^2/NDF:2826833.7/44

All: 58.141+/-0.006 χ^2/NDF: 4535214.7/83



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

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

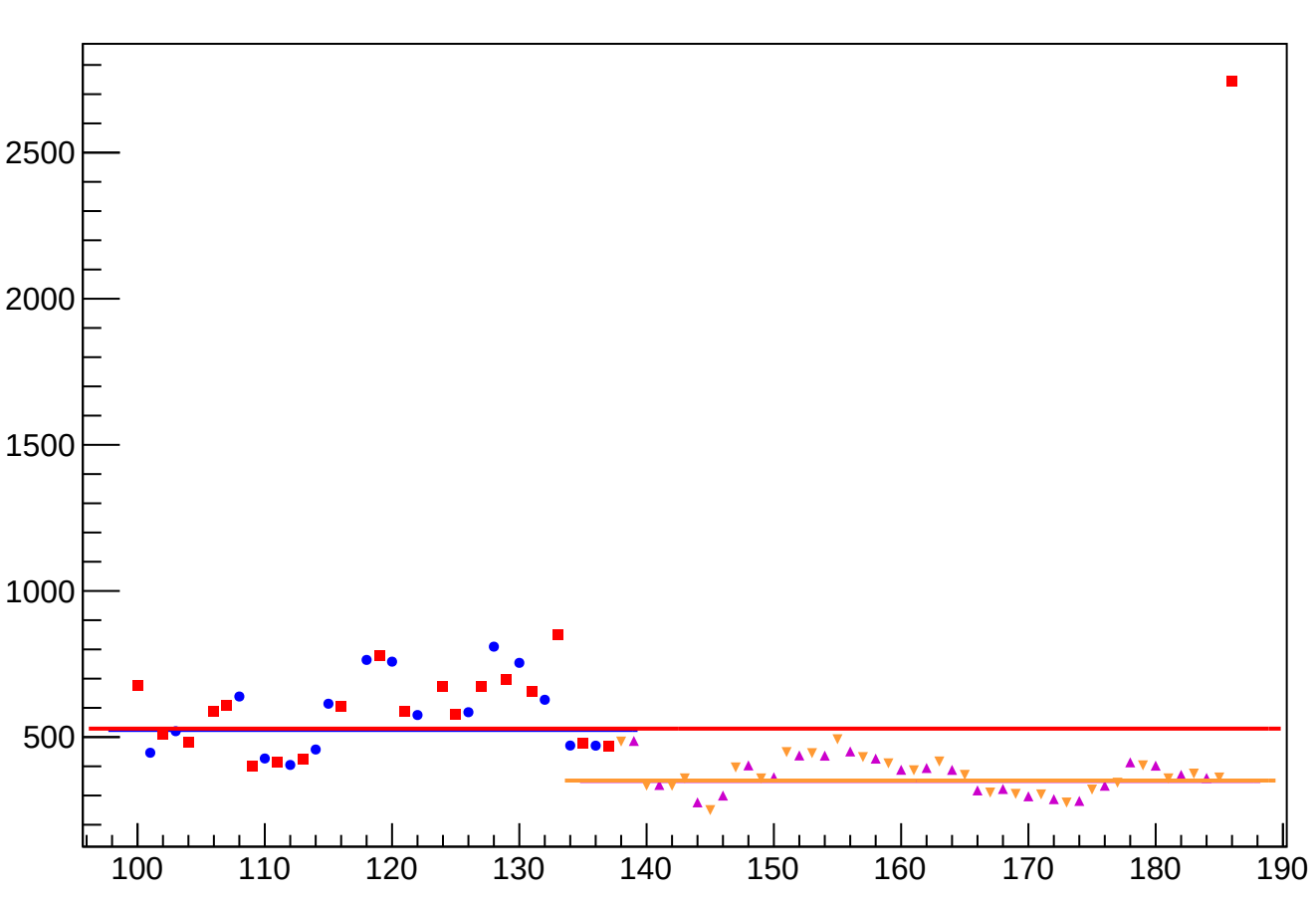
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

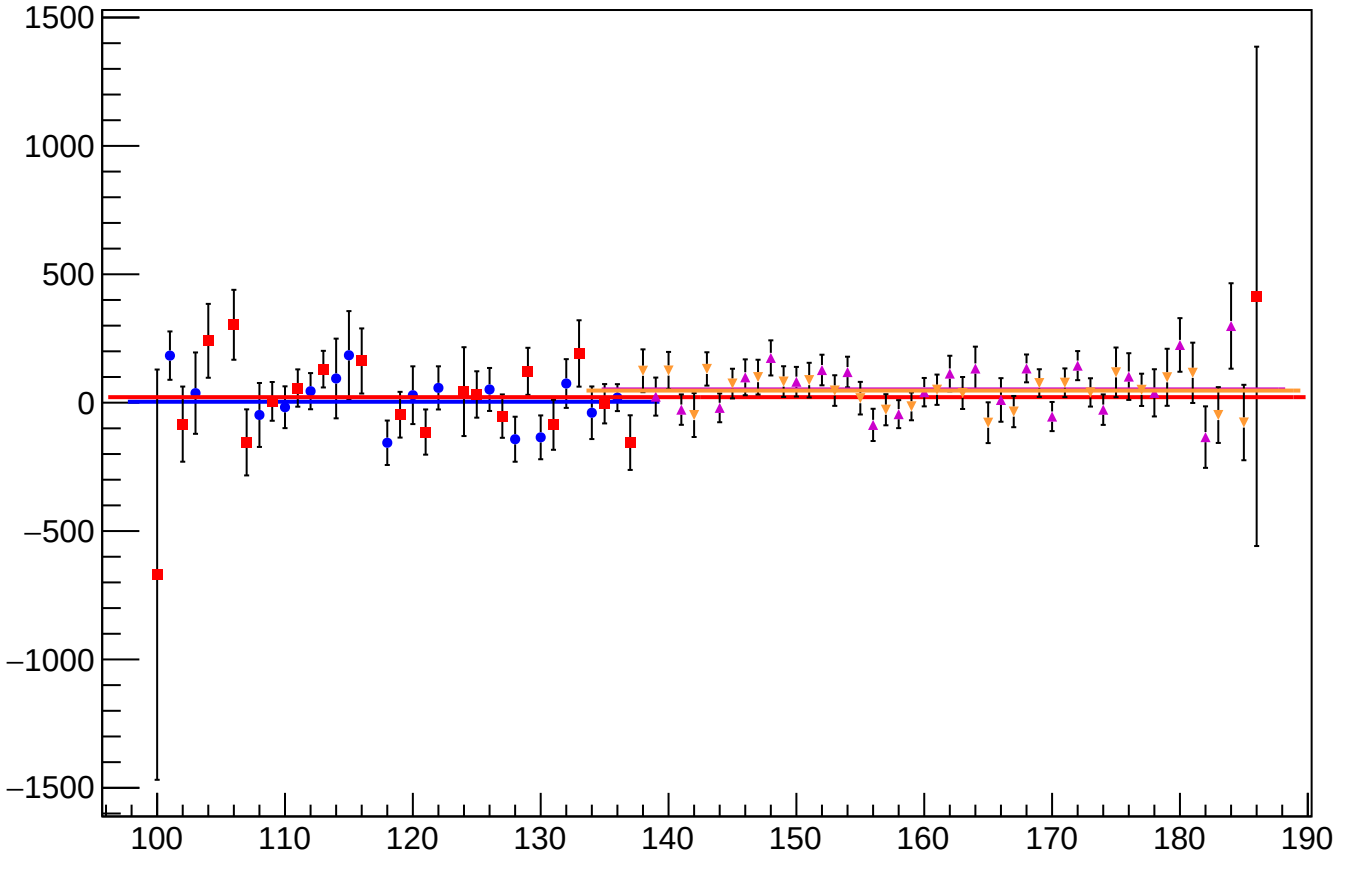
Right: 114.105+/-140.485 χ^2/NDF: 40.1/35

In: 28.491+/-76.759 χ^2/NDF:45.1/38

Out: -293.408+/-75.010 χ^2/NDF:91.0/44

All: -136.168+/-53.648 χ^2/NDF: 145.1/83


asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 524.326+/-0.142 χ²/NDF: 658488.5/15
Left Out: 351.264+/-0.057 χ²/NDF:1118247.7/24
Right Out: 528.894+/-0.139 χ²/NDF: 1210873.7/19
Left In: 349.813+/-0.059 χ²/NDF:990366.6/22
Left: 350.556+/-0.041 χ²/NDF: 2108926.7/47
Right: 526.654+/-0.099 χ²/NDF: 1869890.5/35
In: 375.364+/-0.054 χ²/NDF:2940840.1/38
Out: 377.069+/-0.053 χ²/NDF:3721741.4/44
All: 376.236+/-0.038 χ²/NDF: 6663086.0/83



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

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

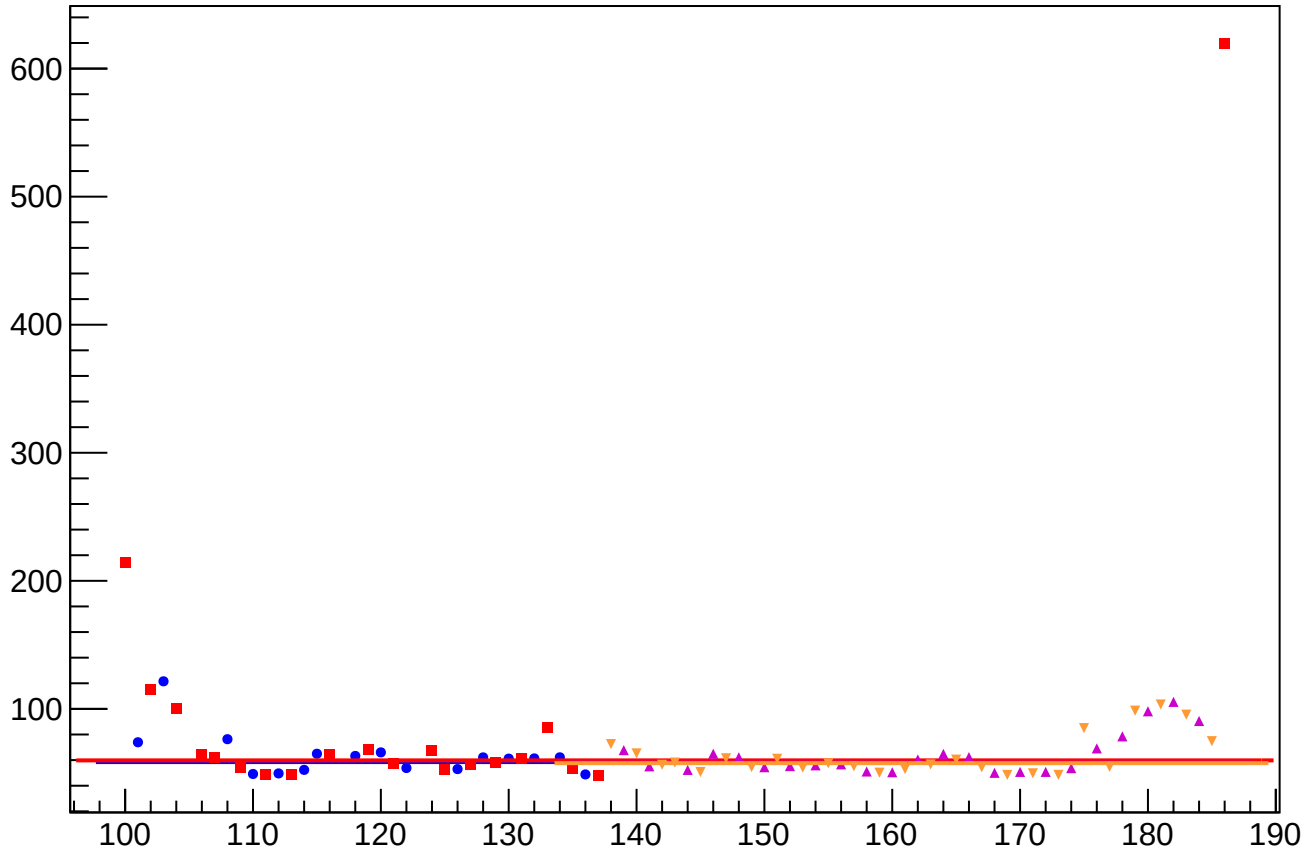
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 12.420+/-15.995 χ^2/NDF: 41.0/35

In: 38.314+/-11.843 χ^2/NDF:57.6/38

Out: 40.459+/-11.619 χ^2/NDF:42.5/44

All: 39.407+/-8.294 χ^2/NDF: 100.2/83



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

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

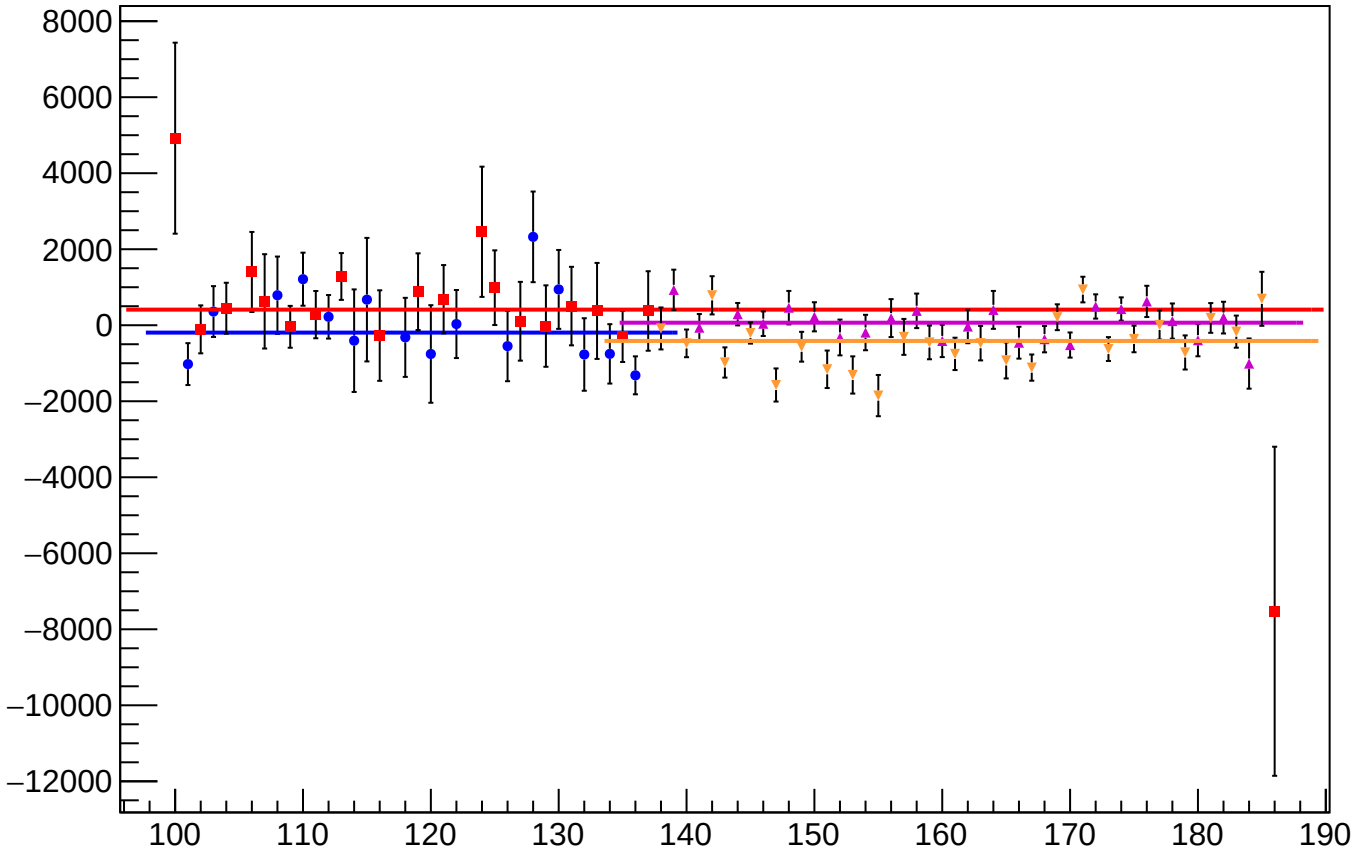
Right: 59.120+/-0.011 χ^2/NDF: 2034480.9/35

In: 58.086+/-0.008 χ^2/NDF:1708279.4/38

Out: 58.194+/-0.008 χ^2/NDF:2826828.2/44

All: 58.141+/-0.006 χ^2/NDF: 4535192.0/83

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -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

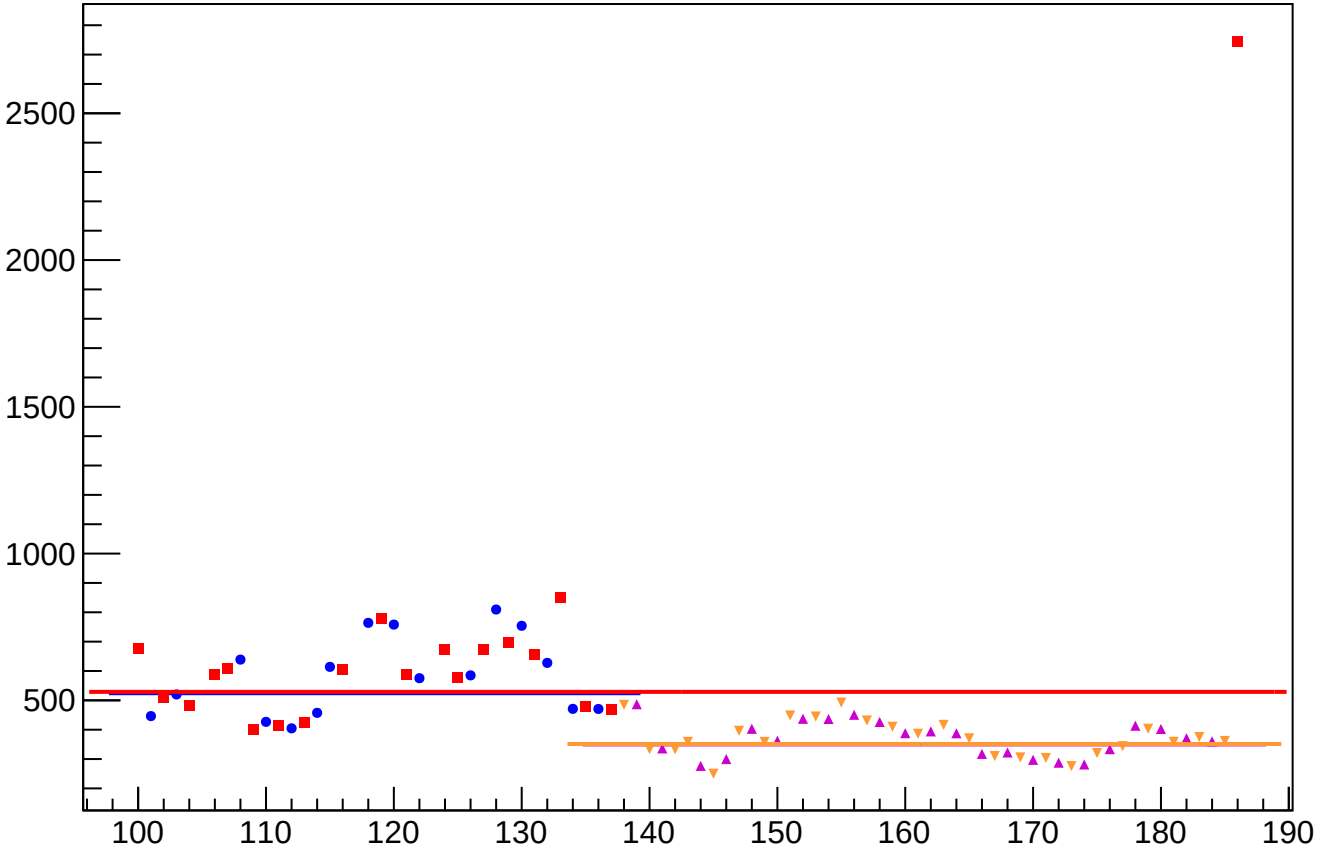
Right: 114.105+/-140.484 χ^2/NDF: 40.1/35

In: 28.491+/-76.759 χ^2/NDF:45.1/38

Out: -293.408+/-75.010 χ^2/NDF:91.0/44

All: -136.168+/-53.648 χ^2/NDF: 145.1/83

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 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

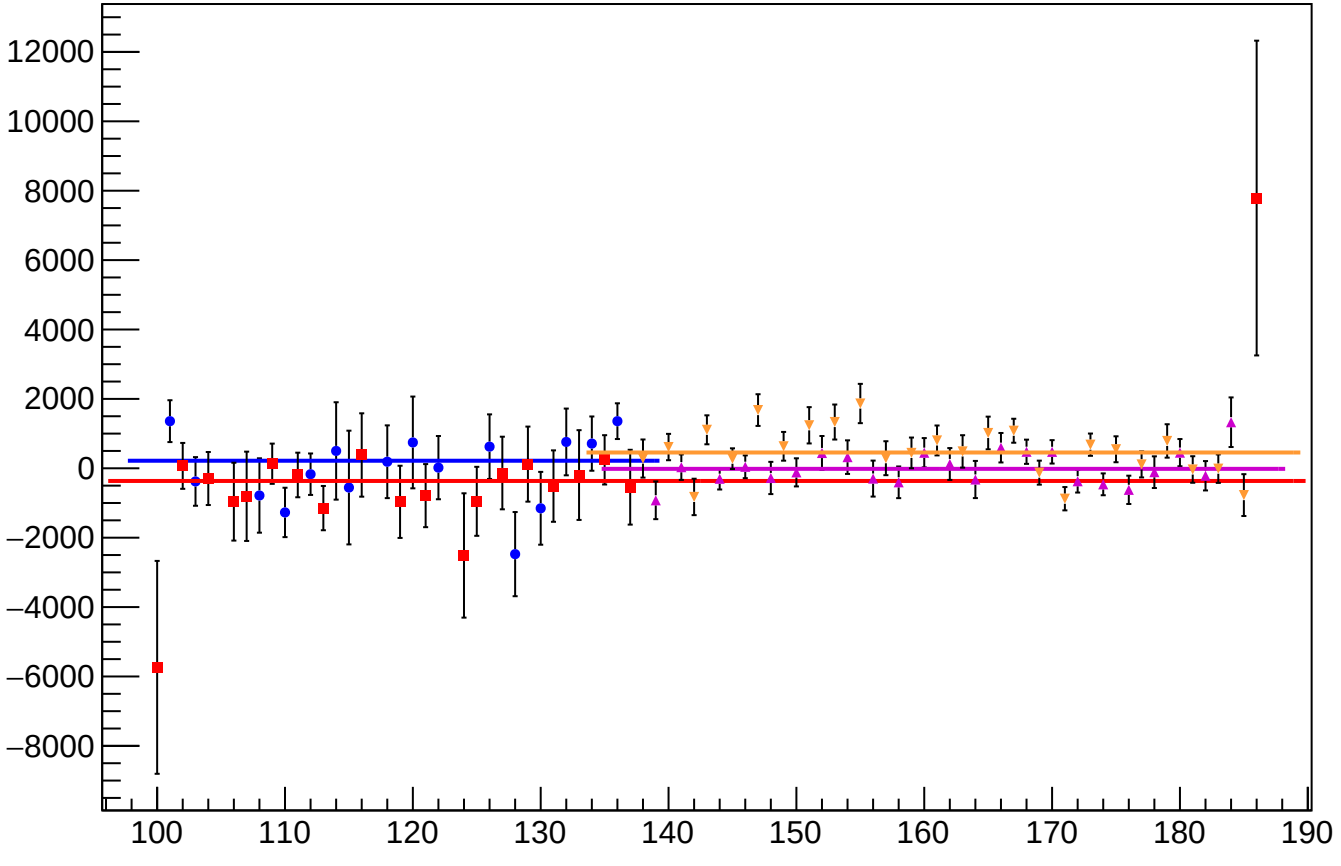
Right: 526.653+/-0.099 χ^2/NDF: 1869897.4/35

In: 375.364+/-0.054 χ^2/NDF:2940830.0/38

Out: 377.068+/-0.053 χ^2/NDF:3721731.8/44

All: 376.236+/-0.038 χ^2/NDF: 6663066.3/83

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

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

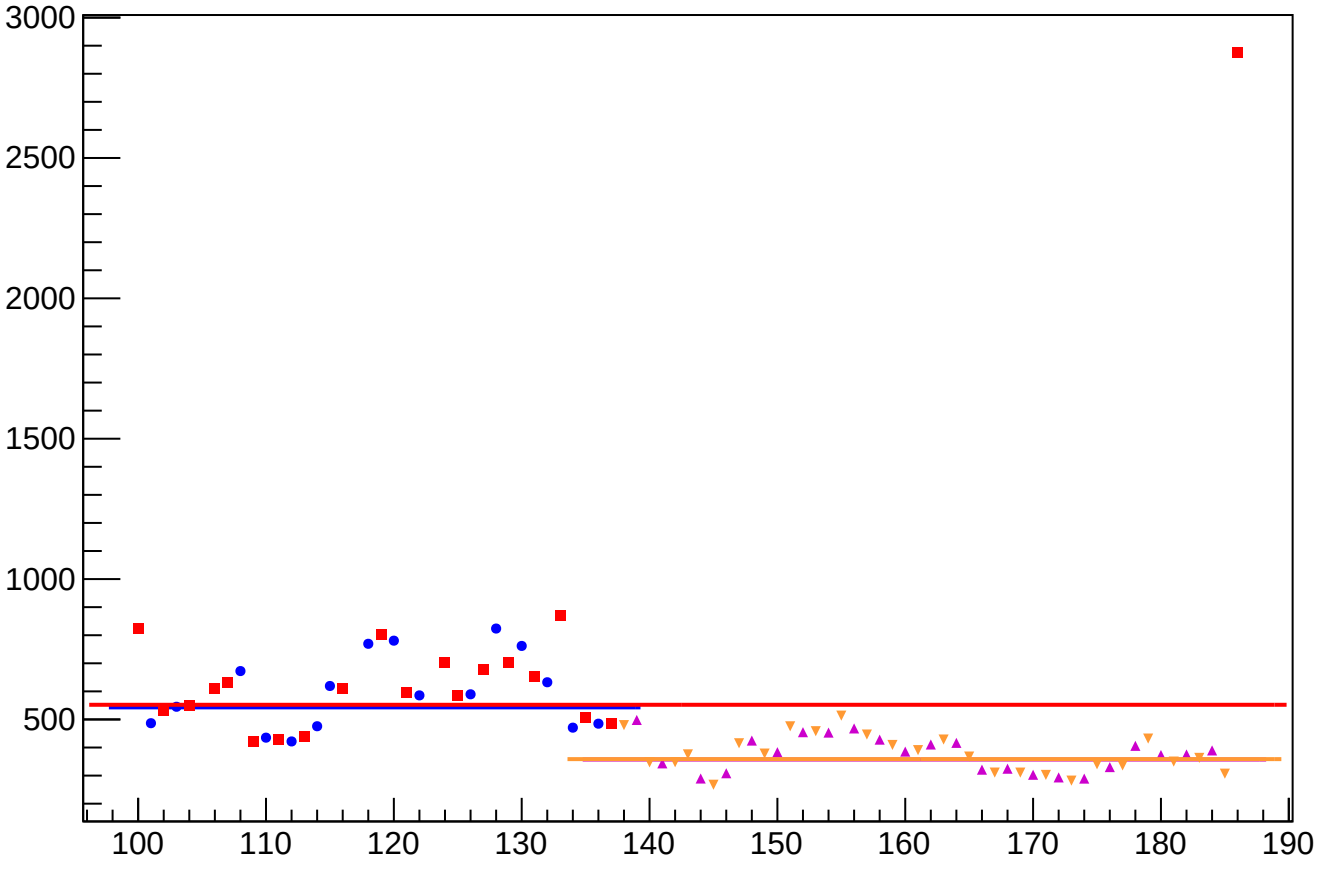
Right: -76.654+/-145.964 χ^2/NDF: 40.1/35

In: 17.414+/-78.522 χ^2/NDF:48.8/38

Out: 340.157+/-76.922 χ^2/NDF:87.8/44

All: 182.107+/-54.949 χ^2/NDF: 145.2/83

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

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

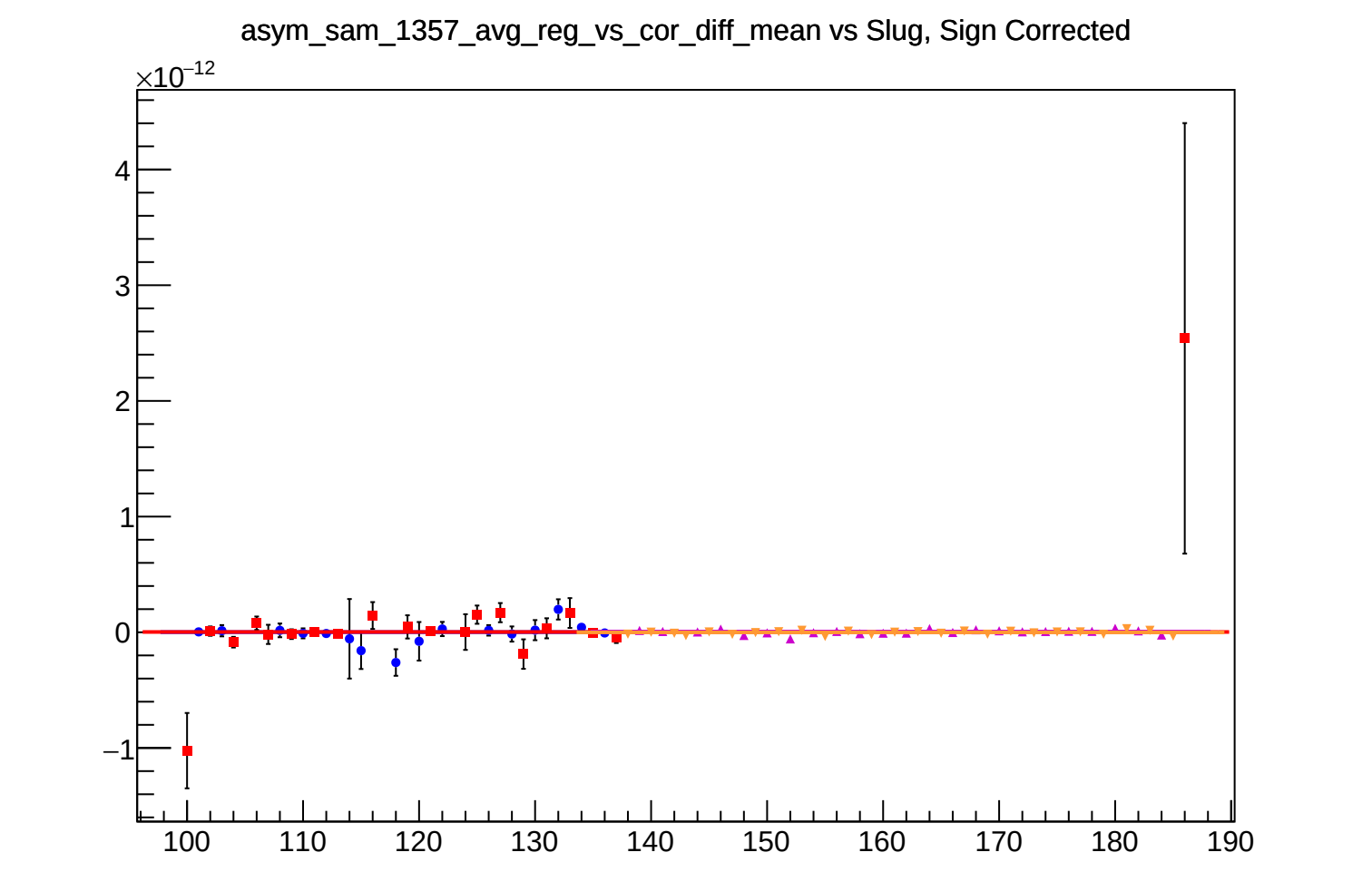
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 547.665+/-0.103 χ^2/NDF: 1763308.8/35

In: 383.793+/-0.056 χ^2/NDF:2961136.9/38

Out: 385.830+/-0.054 χ^2/NDF:3802899.0/44

All: 384.832+/-0.039 χ^2/NDF: 6764722.8/83



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/19

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

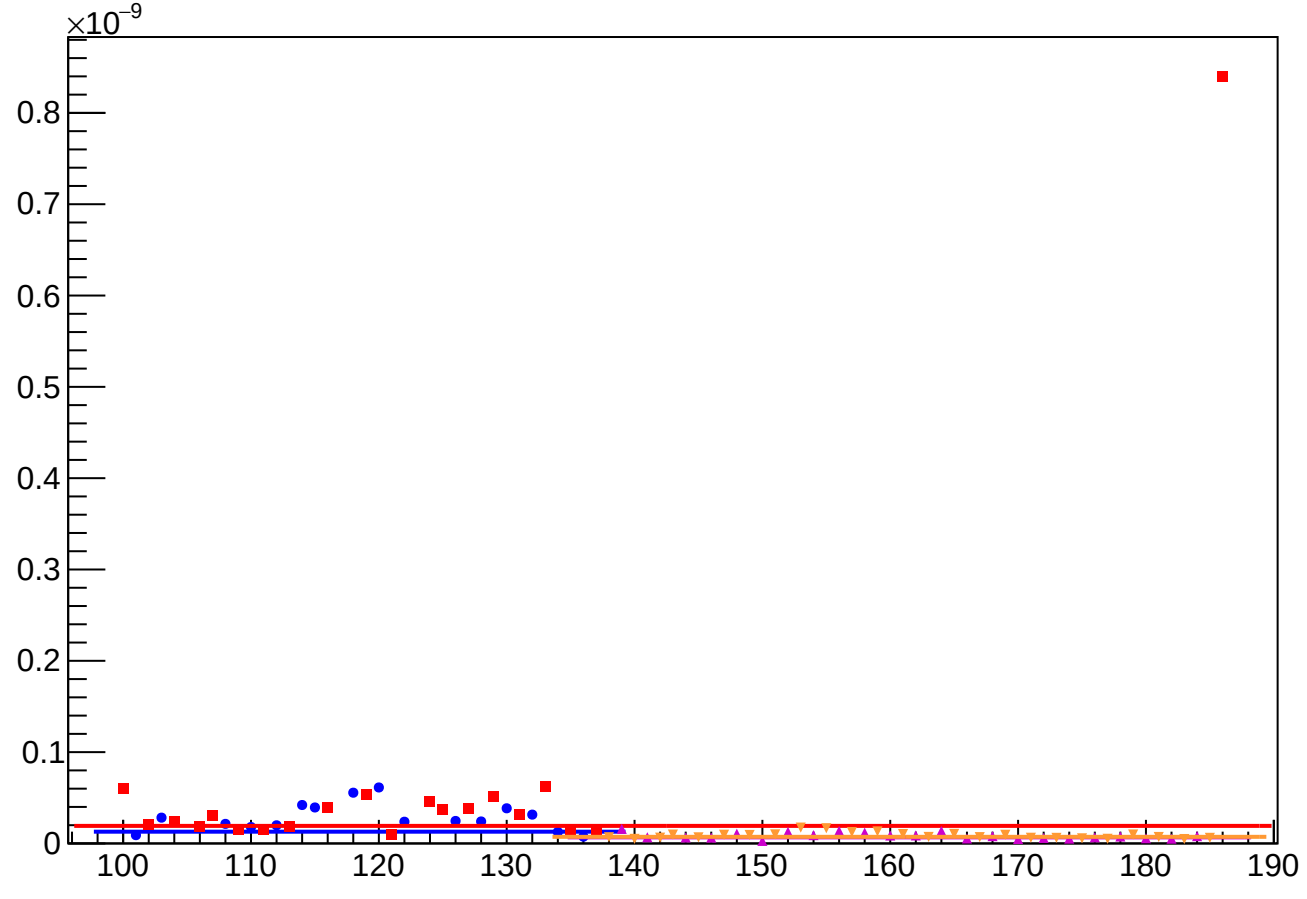
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: 0.000+/-0.000 χ^2/NDF: 45.5/35

In: 0.000+/-0.000 χ^2/NDF:42.3/38

Out: -0.000+/-0.000 χ^2/NDF:50.1/44

All: 0.000+/-0.000 χ^2/NDF: 94.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

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

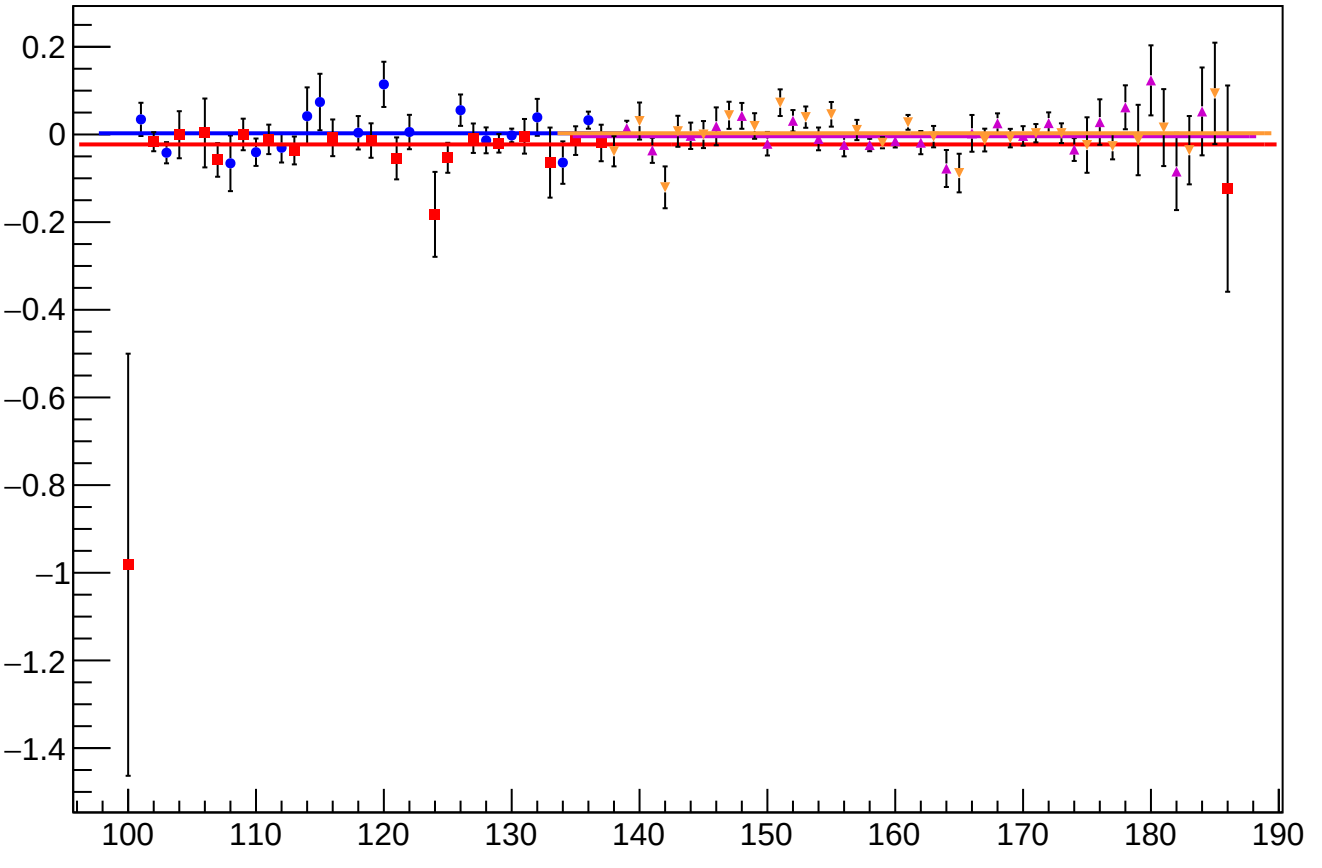
Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

Right: 0.000+/-0.000 χ^2/NDF: 3865355.7/35

In: 0.000+/-0.000 χ^2/NDF:4362899.2/38

Out: 0.000+/-0.000 χ^2/NDF:5042435.8/44

All: 0.000+/-0.000 χ^2/NDF: 9466179.9/83



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

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

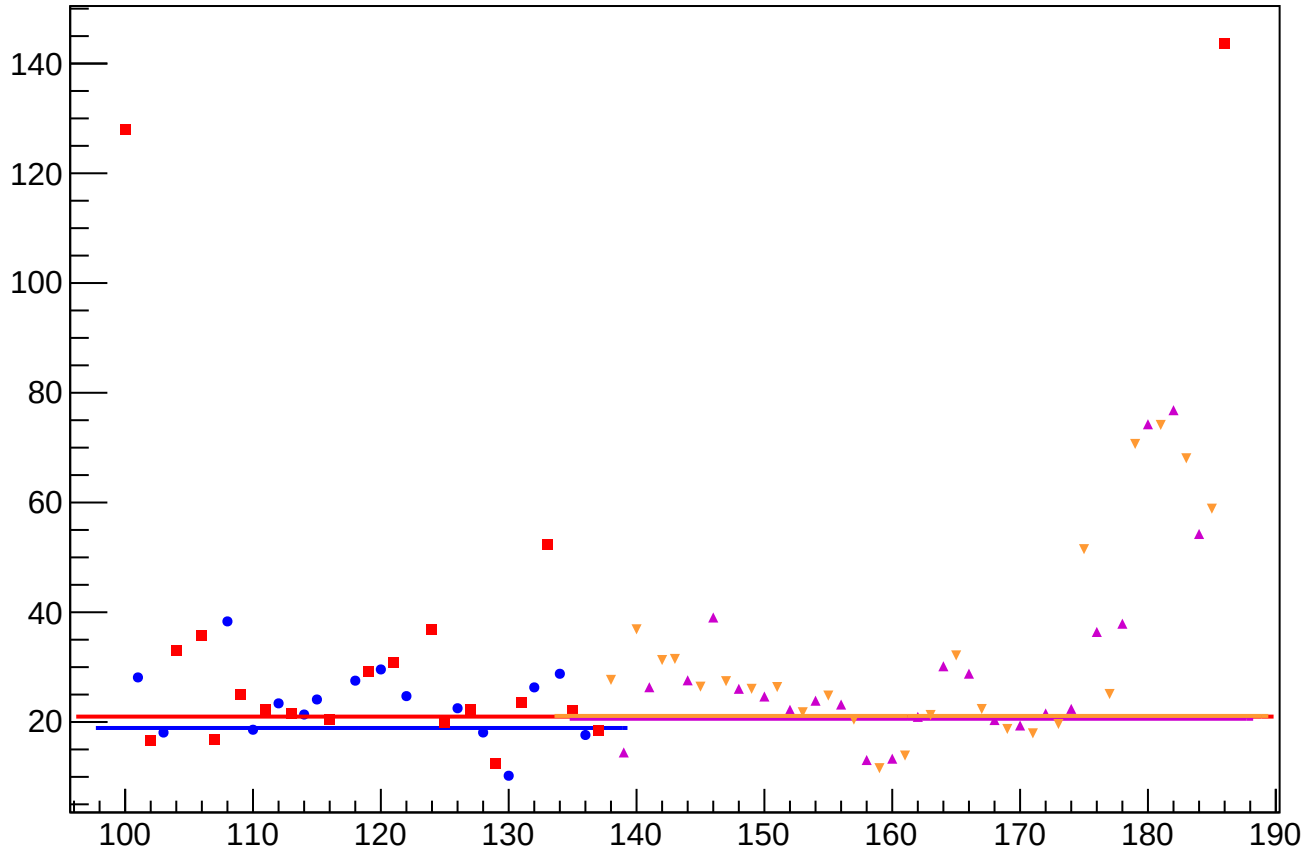
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.009+/-0.006 χ^2/NDF: 37.8/35

In: -0.002+/-0.004 χ^2/NDF:47.0/38

Out: -0.005+/-0.005 χ^2/NDF:50.2/44

All: -0.003+/-0.003 χ^2/NDF: 97.4/83



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

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

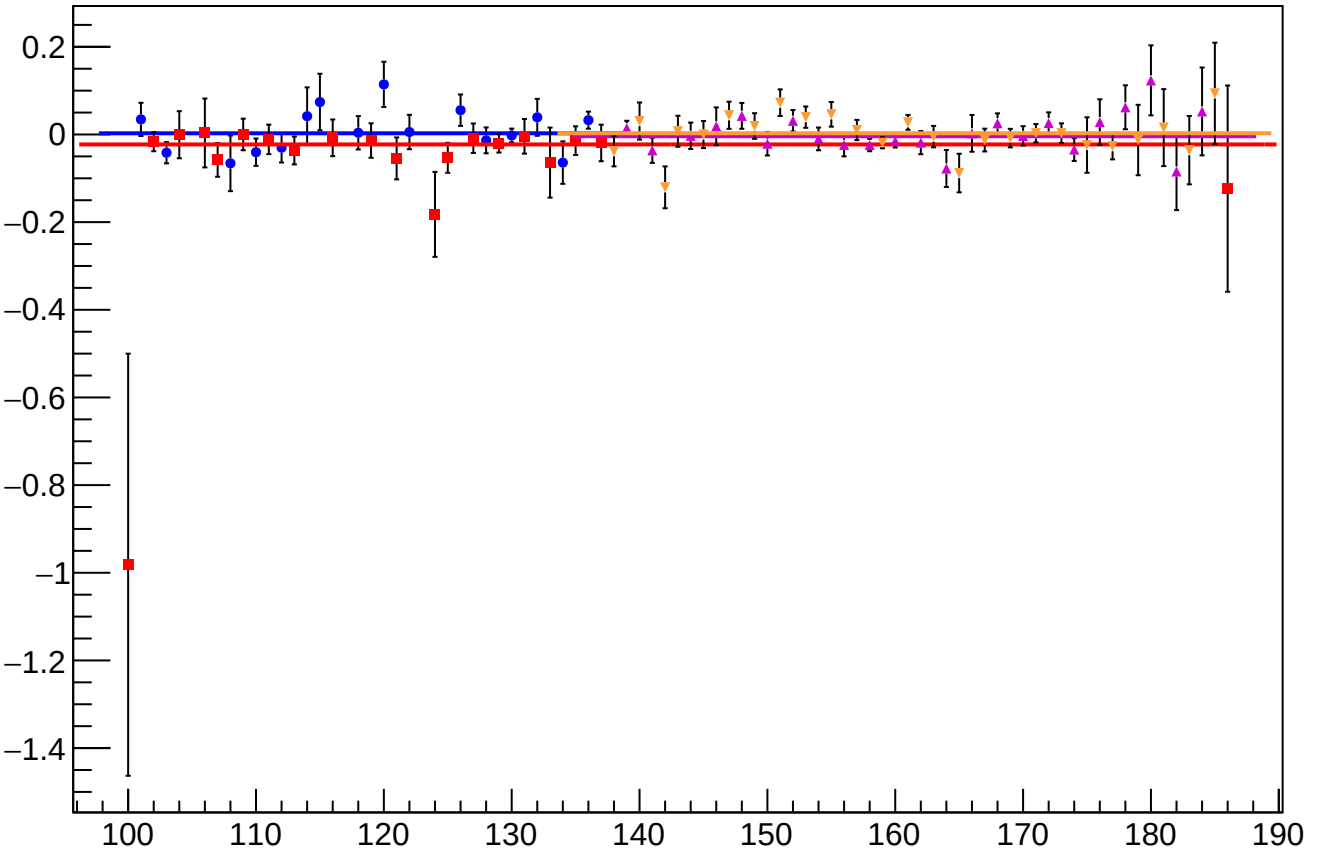
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 19.866+/-0.004 χ^2/NDF: 3290962.9/35

In: 20.043+/-0.003 χ^2/NDF:6052267.9/38

Out: 21.072+/-0.003 χ^2/NDF:7382418.7/44

All: 20.544+/-0.002 χ^2/NDF: 13486528.6/83



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

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

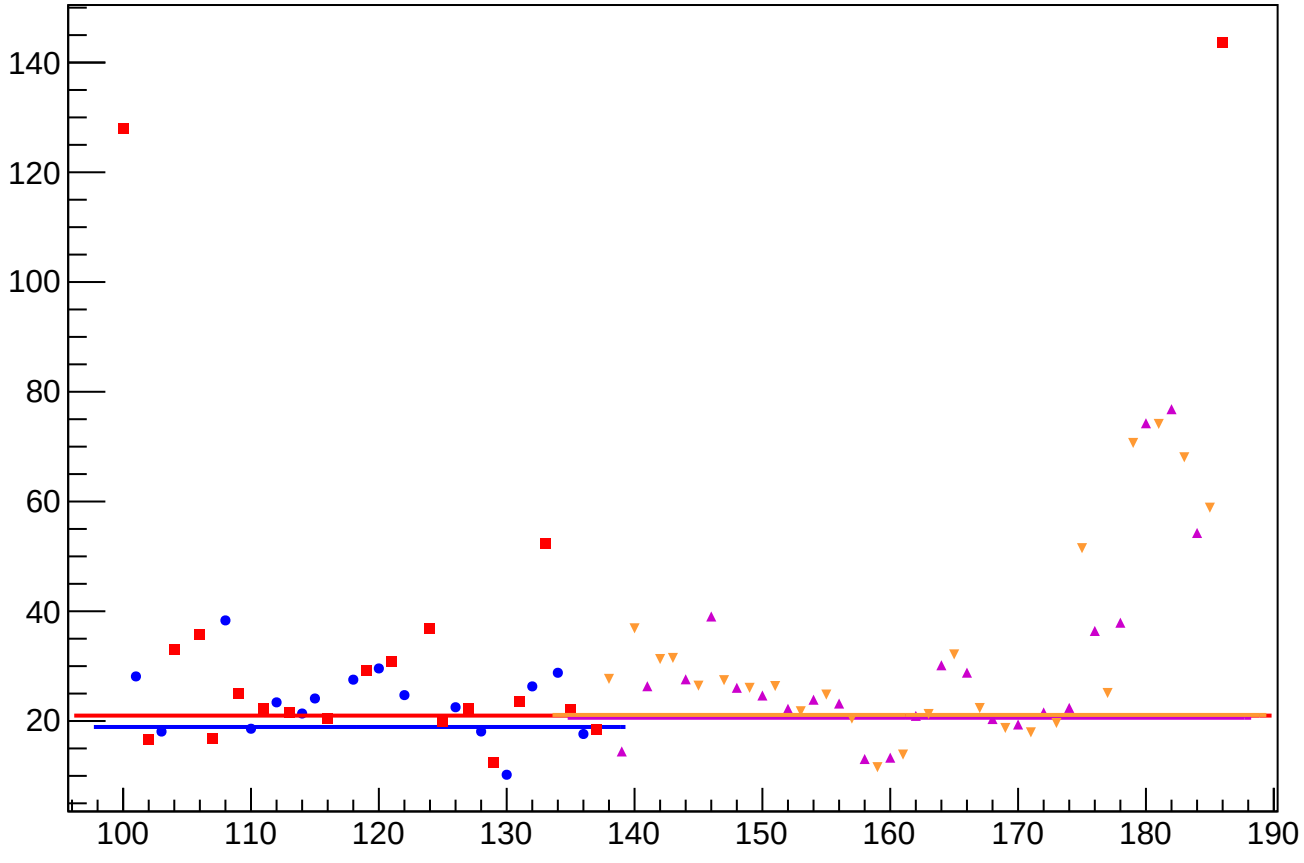
Right: -0.009+/-0.006 χ^2/NDF: 37.8/35

In: -0.002+/-0.004 χ^2/NDF:47.0/38

Out: -0.005+/-0.005 χ^2/NDF:50.2/44

All: -0.003+/-0.003 χ^2/NDF: 97.4/83

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 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

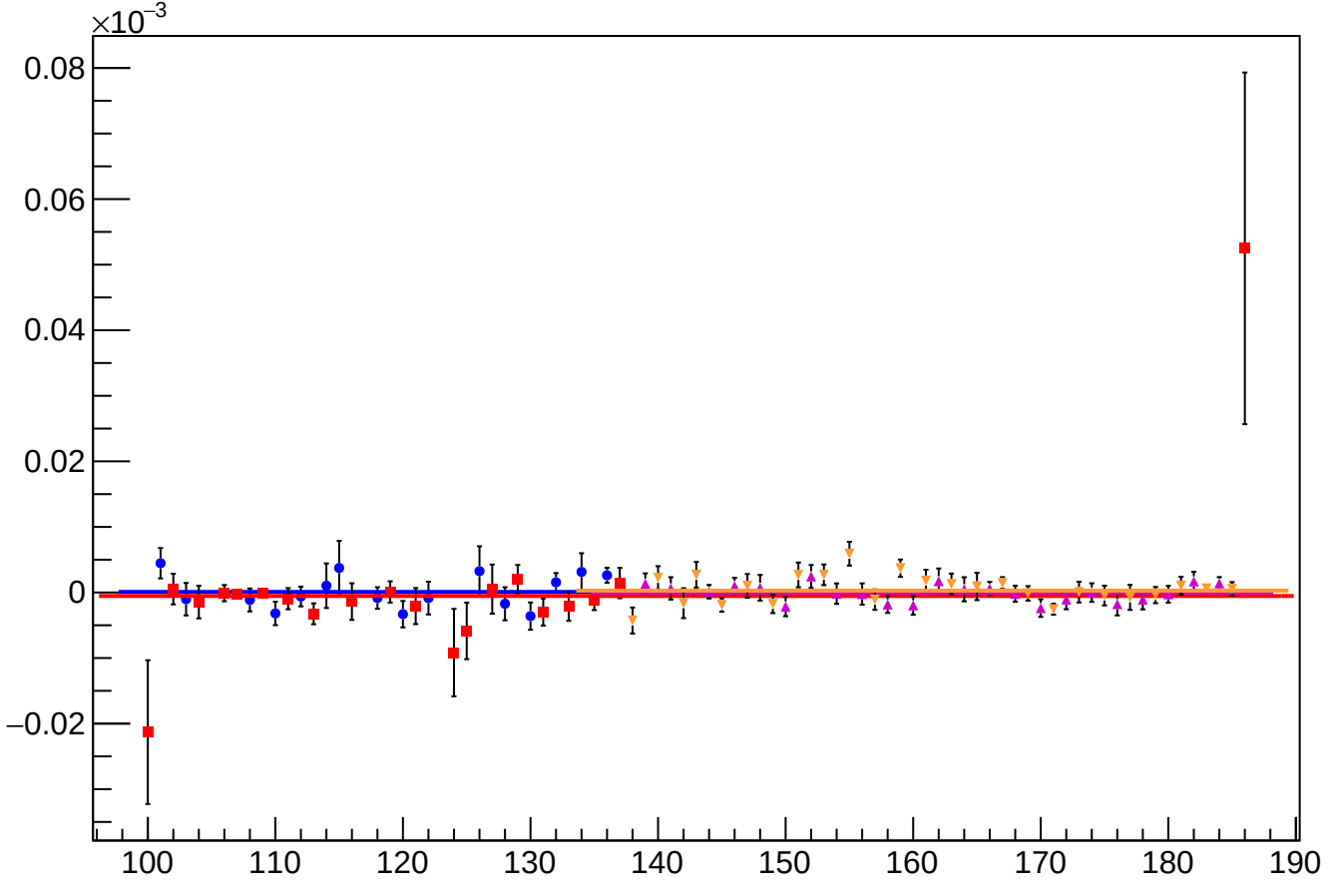
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 19.866+/-0.004 χ^2/NDF: 3290962.9/35

In: 20.043+/-0.003 χ^2/NDF:6052267.9/38

Out: 21.072+/-0.003 χ^2/NDF:7382418.7/44

All: 20.544+/-0.002 χ^2/NDF: 13486528.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

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

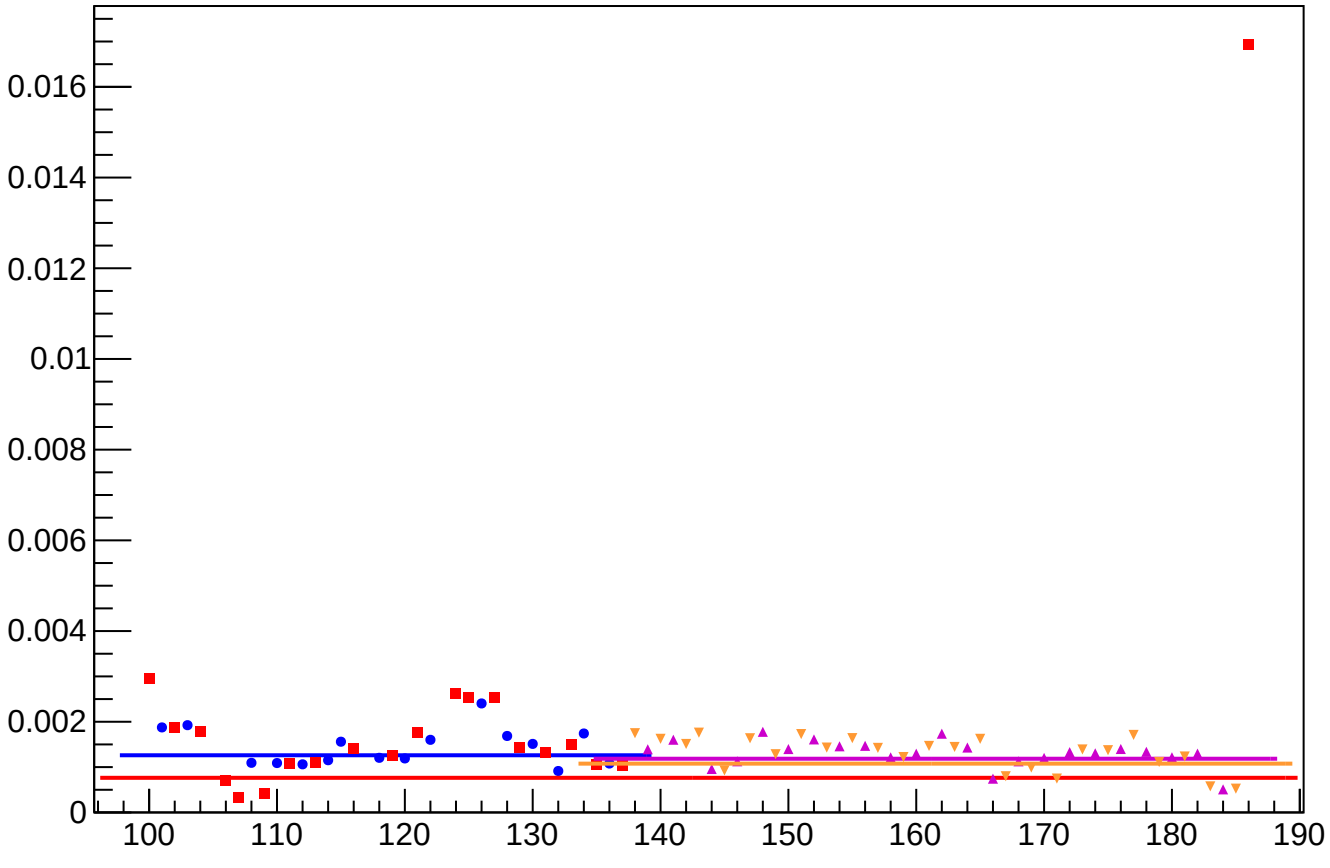
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 44.2/35

In: 0.000+/-0.000 χ^2/NDF:43.4/38

Out: -0.000+/-0.000 χ^2/NDF:75.9/44

All: -0.000+/-0.000 χ^2/NDF: 119.2/83



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

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

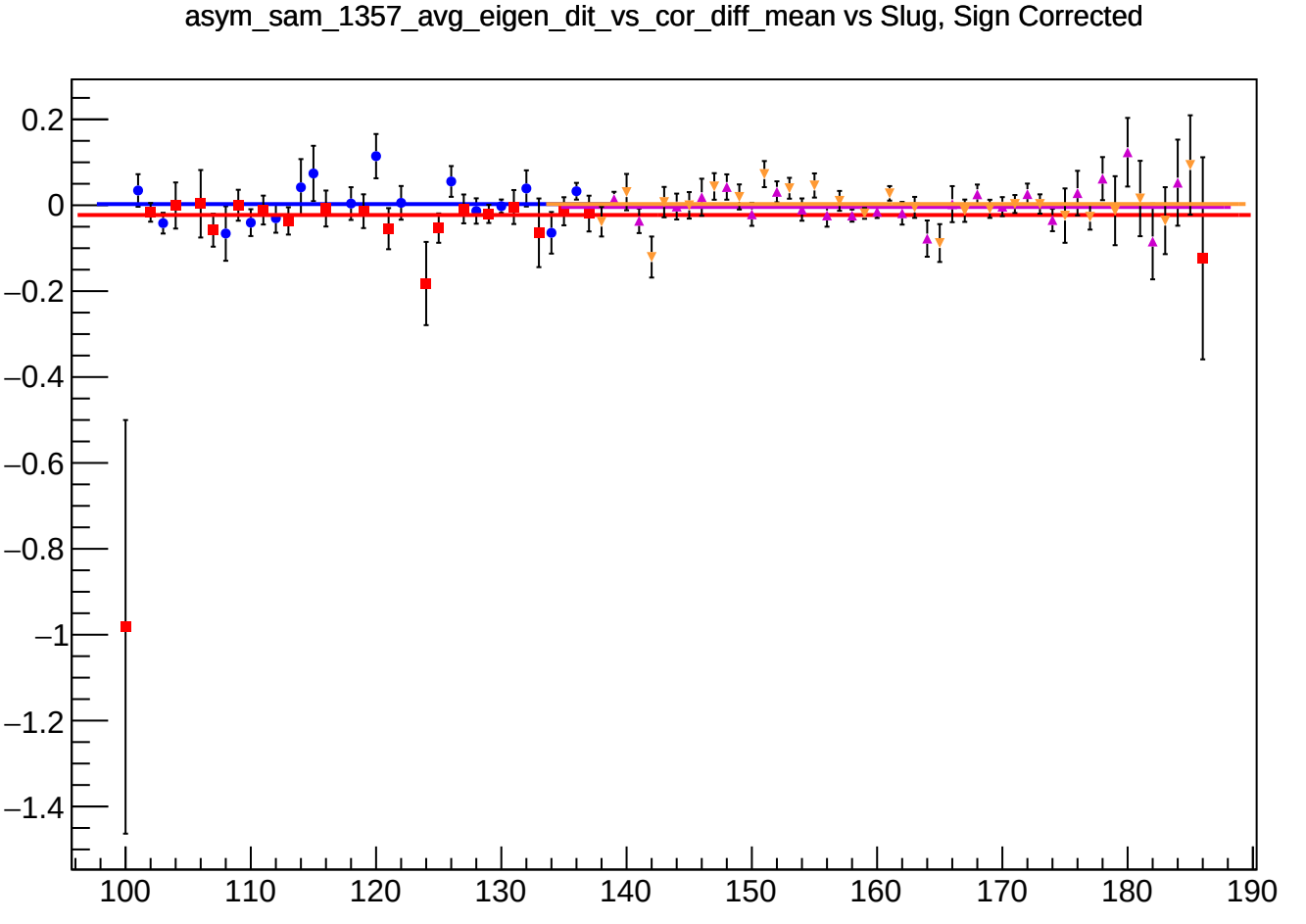
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 7710617.8/35

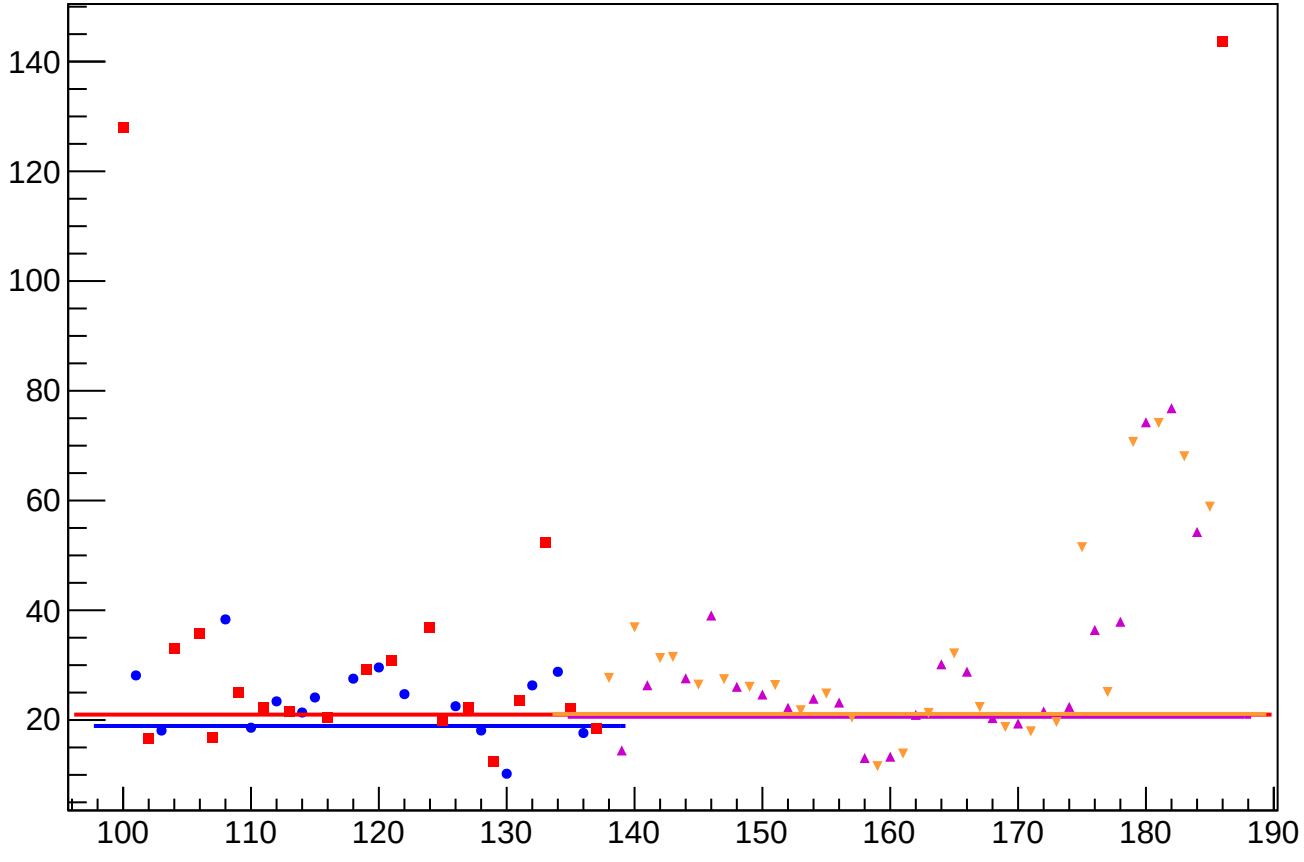
In: 0.001+/-0.000 χ^2/NDF:3400230.0/38

Out: 0.001+/-0.000 χ^2/NDF:11010267.1/44

All: 0.001+/-0.000 χ^2/NDF: 15560803.0/83


asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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: 0.003+/-0.008 χ²/NDF: 22.0/15
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.023+/-0.008 χ²/NDF: 11.0/19
Left In: -0.004+/-0.005 χ²/NDF:24.6/22
Left: -0.001+/-0.004 χ²/NDF: 58.2/47
Right: -0.009+/-0.006 χ²/NDF: 37.8/35
In: -0.002+/-0.004 χ²/NDF:47.0/38
Out: -0.005+/-0.005 χ²/NDF:50.2/44
All: -0.003+/-0.003 χ²/NDF: 97.4/83

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 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

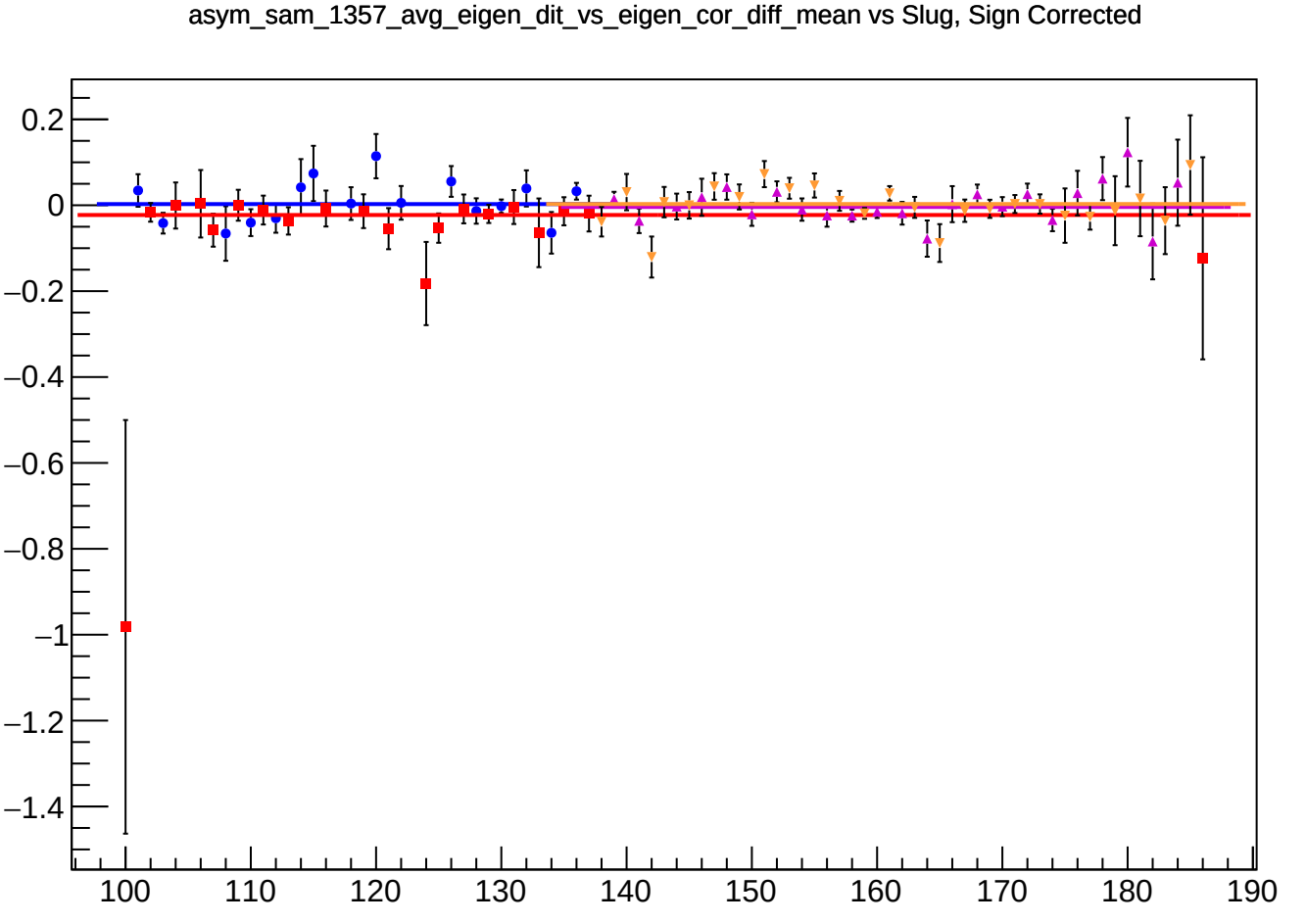
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 19.867+/-0.004 χ^2/NDF: 3290839.4/35

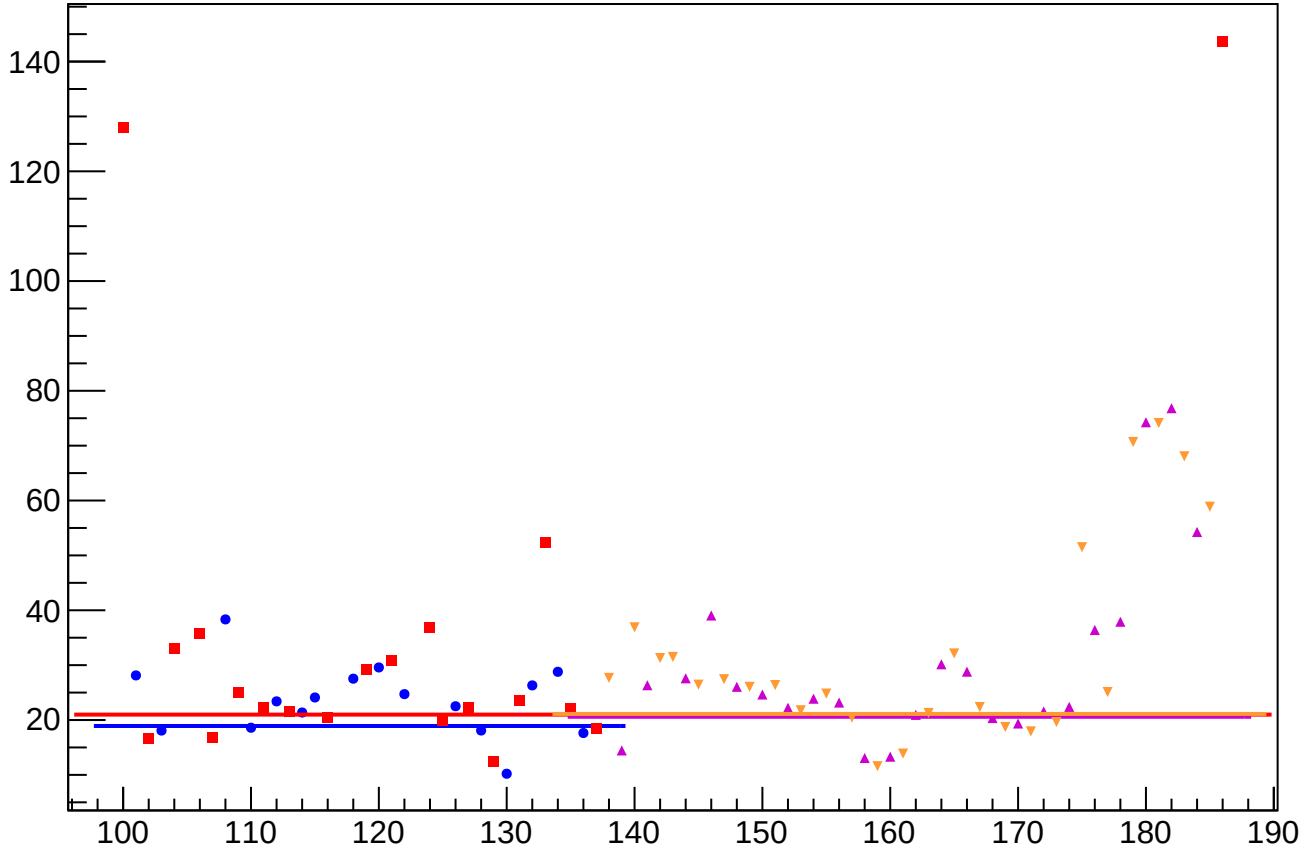
In: 20.043+/-0.003 χ^2/NDF:6052139.0/38

Out: 21.072+/-0.003 χ^2/NDF:7382558.8/44

All: 20.544+/-0.002 χ^2/NDF: 13486520.0/83


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.003+/-0.008 χ²/NDF: 22.0/15
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.023+/-0.008 χ²/NDF: 11.0/19
Left In: -0.004+/-0.005 χ²/NDF:24.6/22
Left: -0.001+/-0.004 χ²/NDF: 58.2/47
Right: -0.009+/-0.006 χ²/NDF: 37.8/35
In: -0.002+/-0.004 χ²/NDF:47.0/38
Out: -0.005+/-0.005 χ²/NDF:50.2/44
All: -0.003+/-0.003 χ²/NDF: 97.4/83

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 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

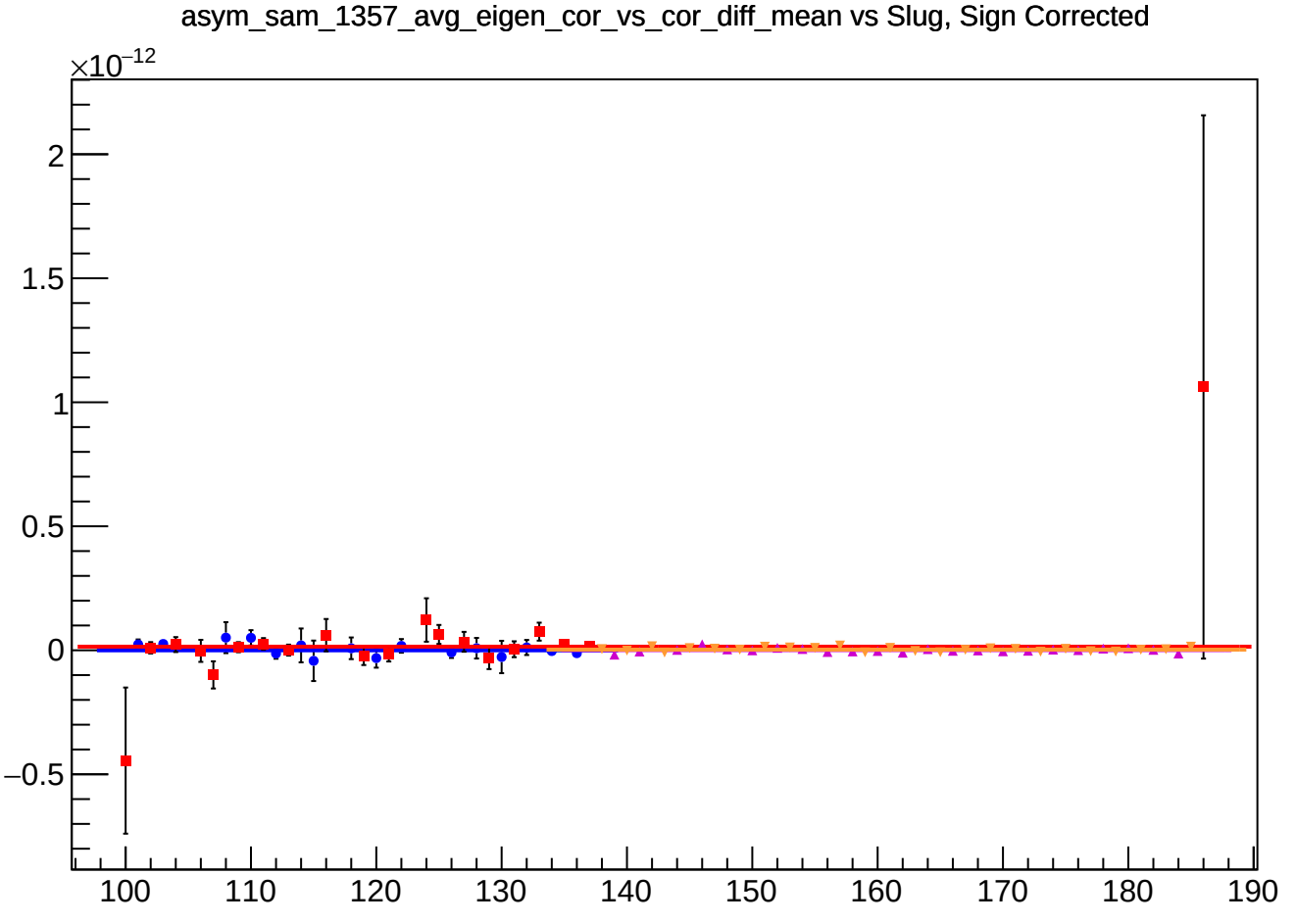
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 19.867+/-0.004 χ^2/NDF: 3290839.4/35

In: 20.043+/-0.003 χ^2/NDF:6052139.0/38

Out: 21.072+/-0.003 χ^2/NDF:7382558.8/44

All: 20.544+/-0.002 χ^2/NDF: 13486520.0/83



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

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

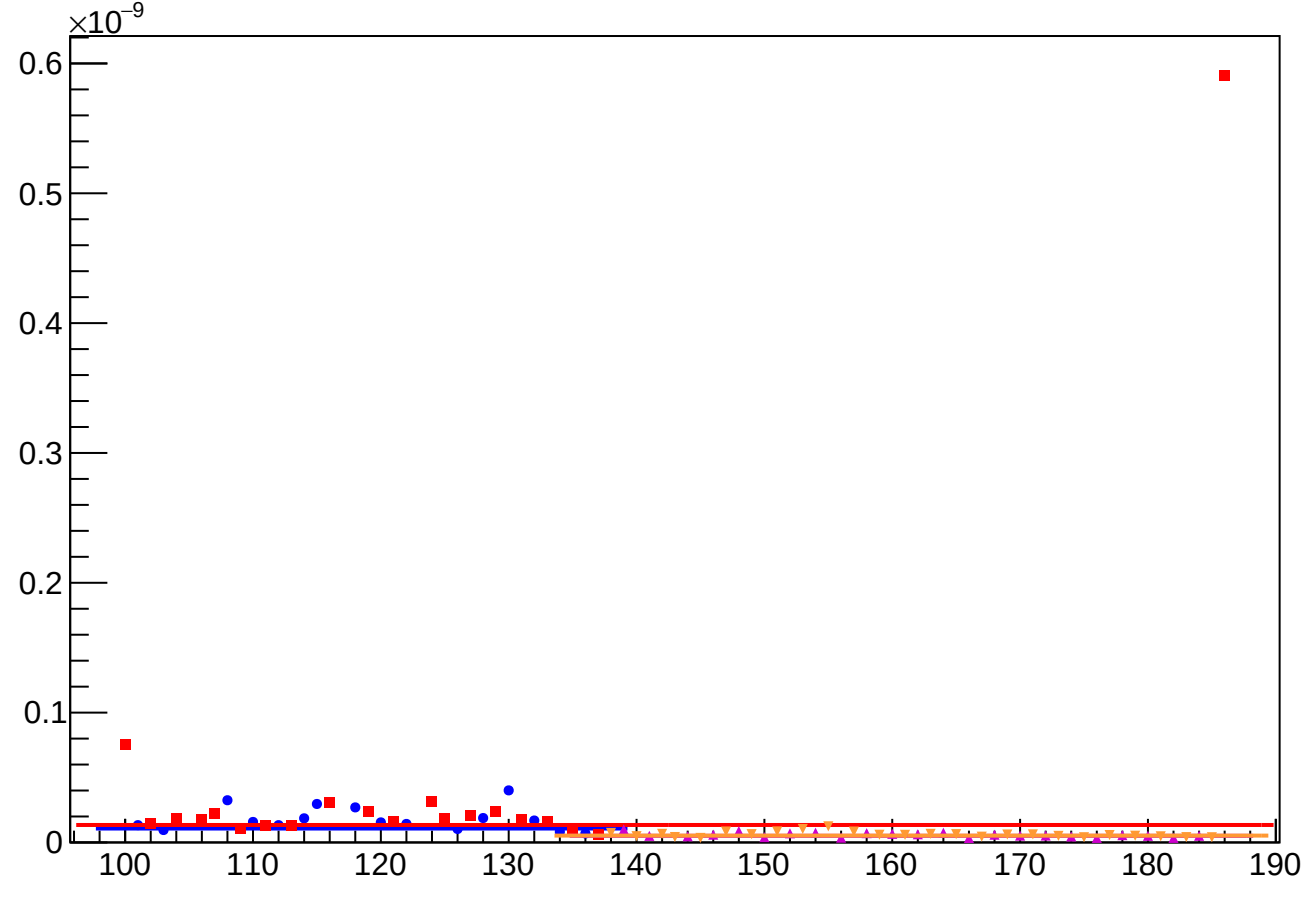
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 32.0/35

In: 0.000+/-0.000 χ^2/NDF:31.9/38

Out: 0.000+/-0.000 χ^2/NDF:42.4/44

All: 0.000+/-0.000 χ^2/NDF: 75.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

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

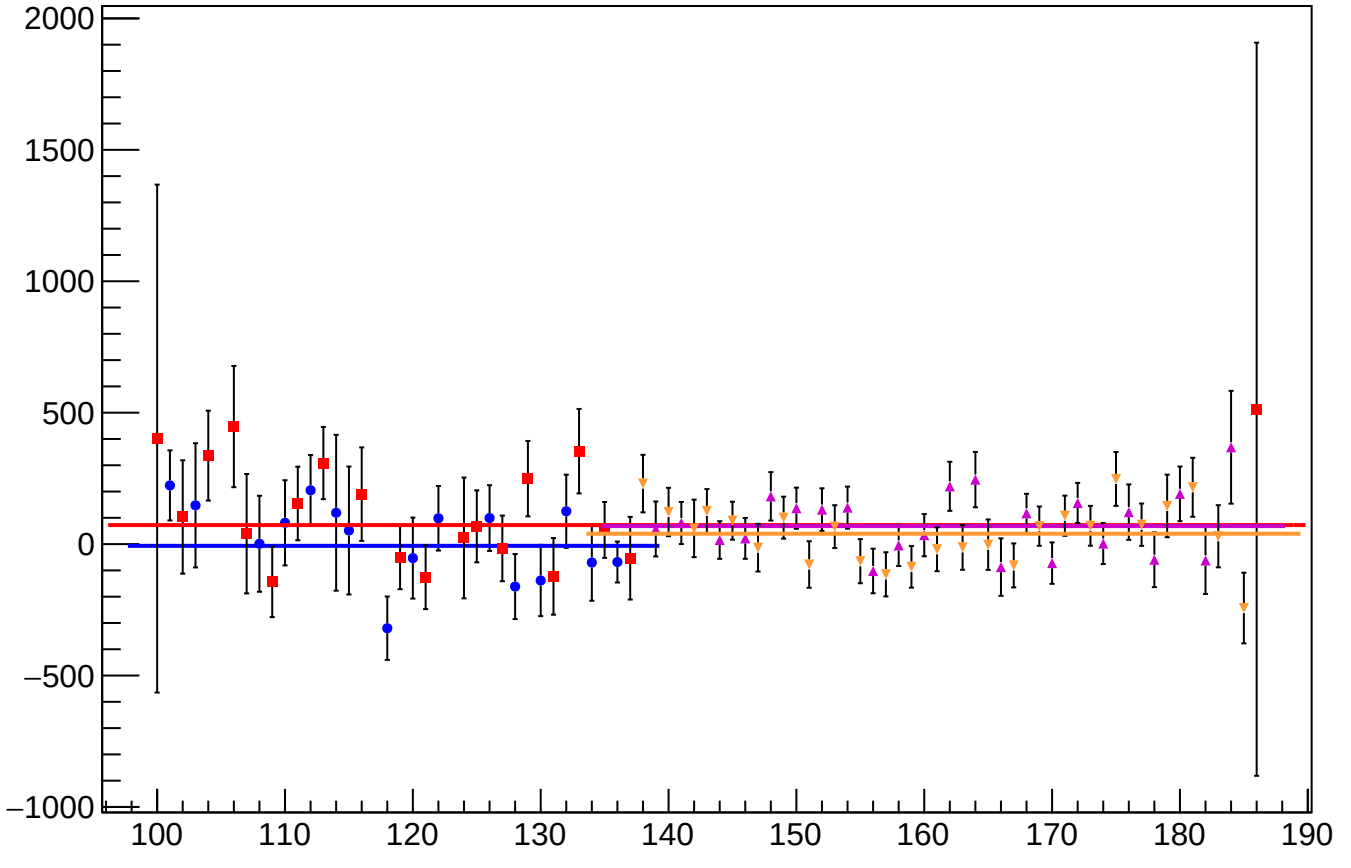
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 3997747.4/35

In: 0.000+/-0.000 χ^2/NDF:5420607.3/38

Out: 0.000+/-0.000 χ^2/NDF:6990502.9/44

All: 0.000+/-0.000 χ^2/NDF: 12432243.8/83



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

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

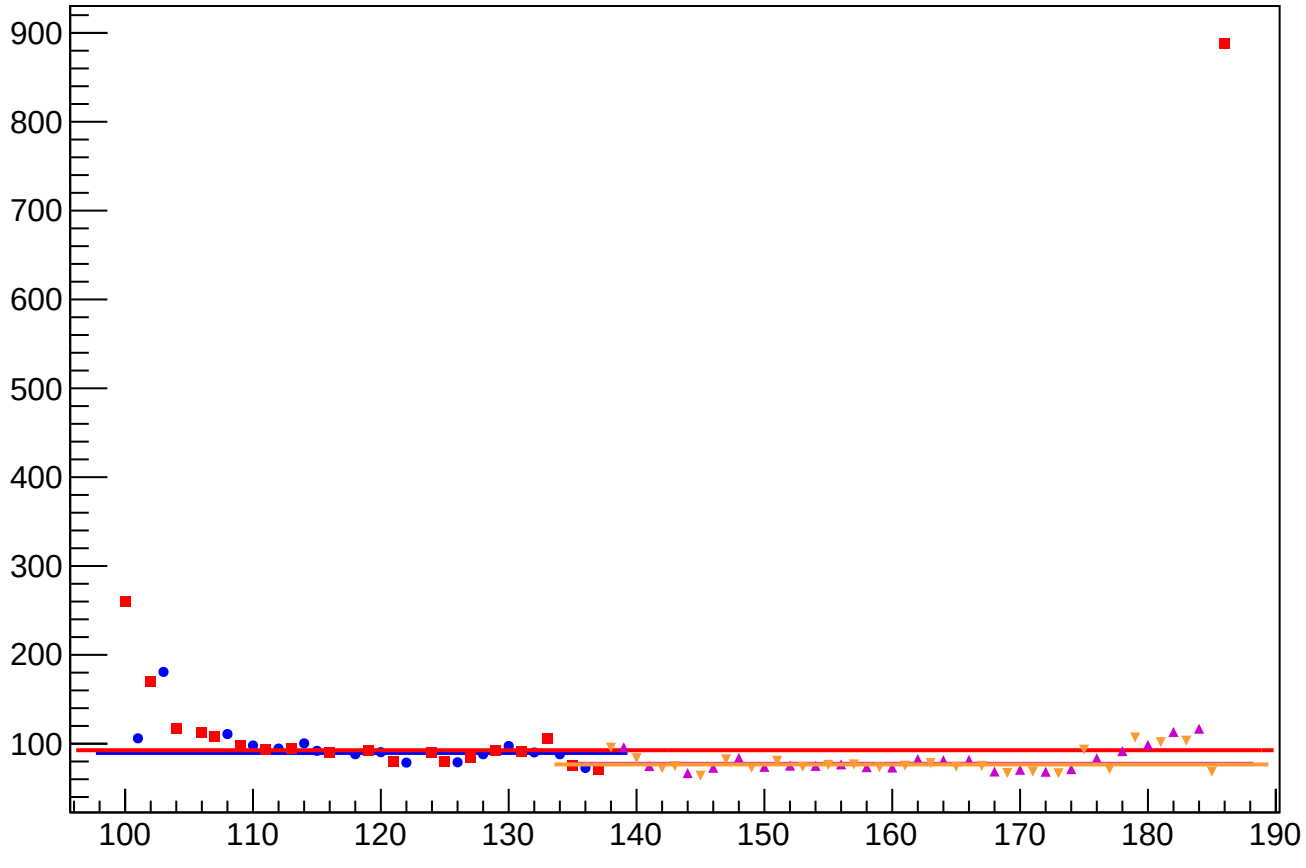
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 32.251+/-24.449 χ^2/NDF: 44.4/35

In: 51.927+/-16.156 χ^2/NDF:51.7/38

Out: 46.201+/-15.759 χ^2/NDF:55.5/44

All: 48.993+/-11.281 χ^2/NDF: 107.3/83



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

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

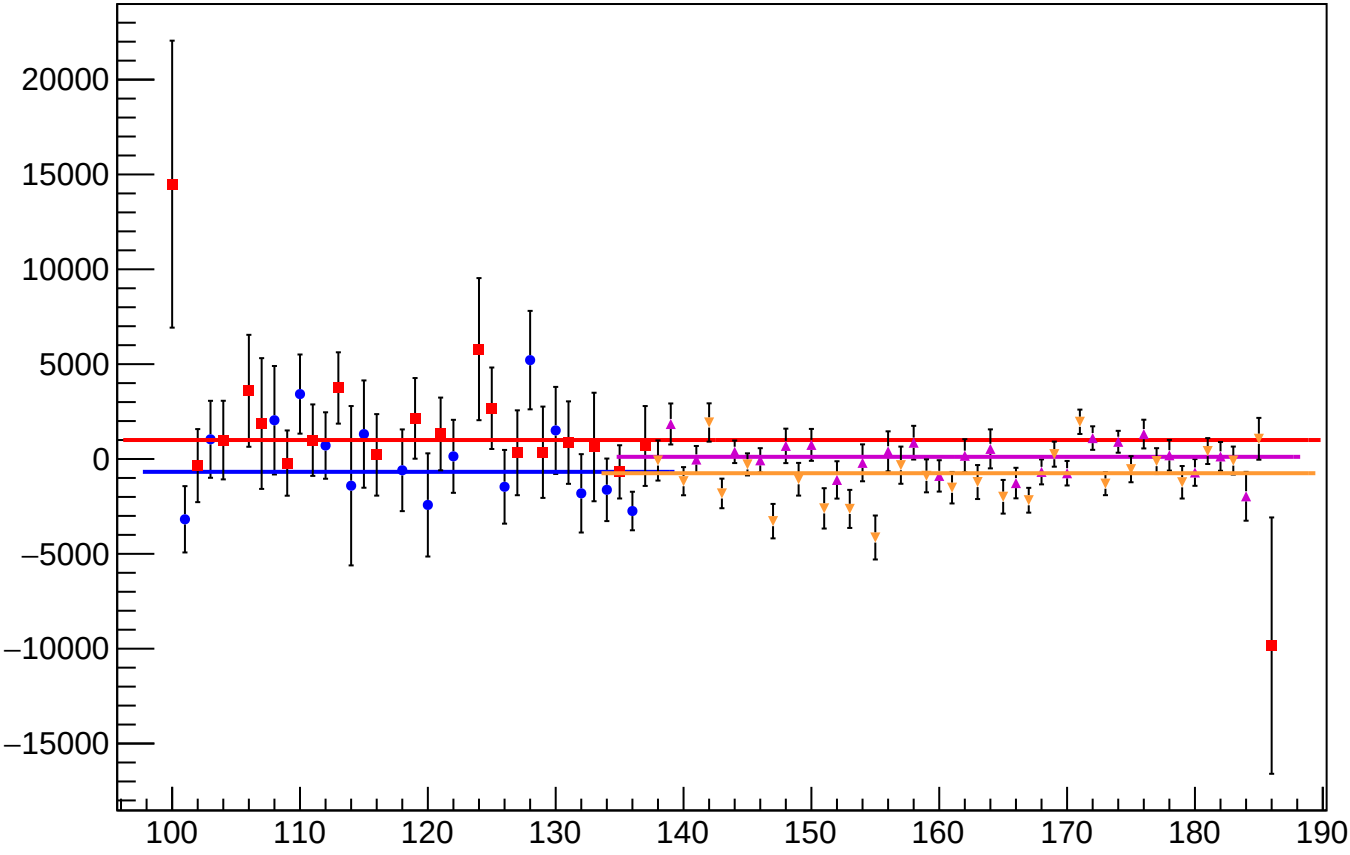
Right: 91.105+/-0.017 χ^2/NDF: 1699251.4/35

In: 80.070+/-0.011 χ^2/NDF:1287588.0/38

Out: 79.917+/-0.011 χ^2/NDF:2183236.1/44

All: 79.991+/-0.008 χ^2/NDF: 3470916.0/83

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1000.282+/-495.017 χ^2/NDF: 14.0/19

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

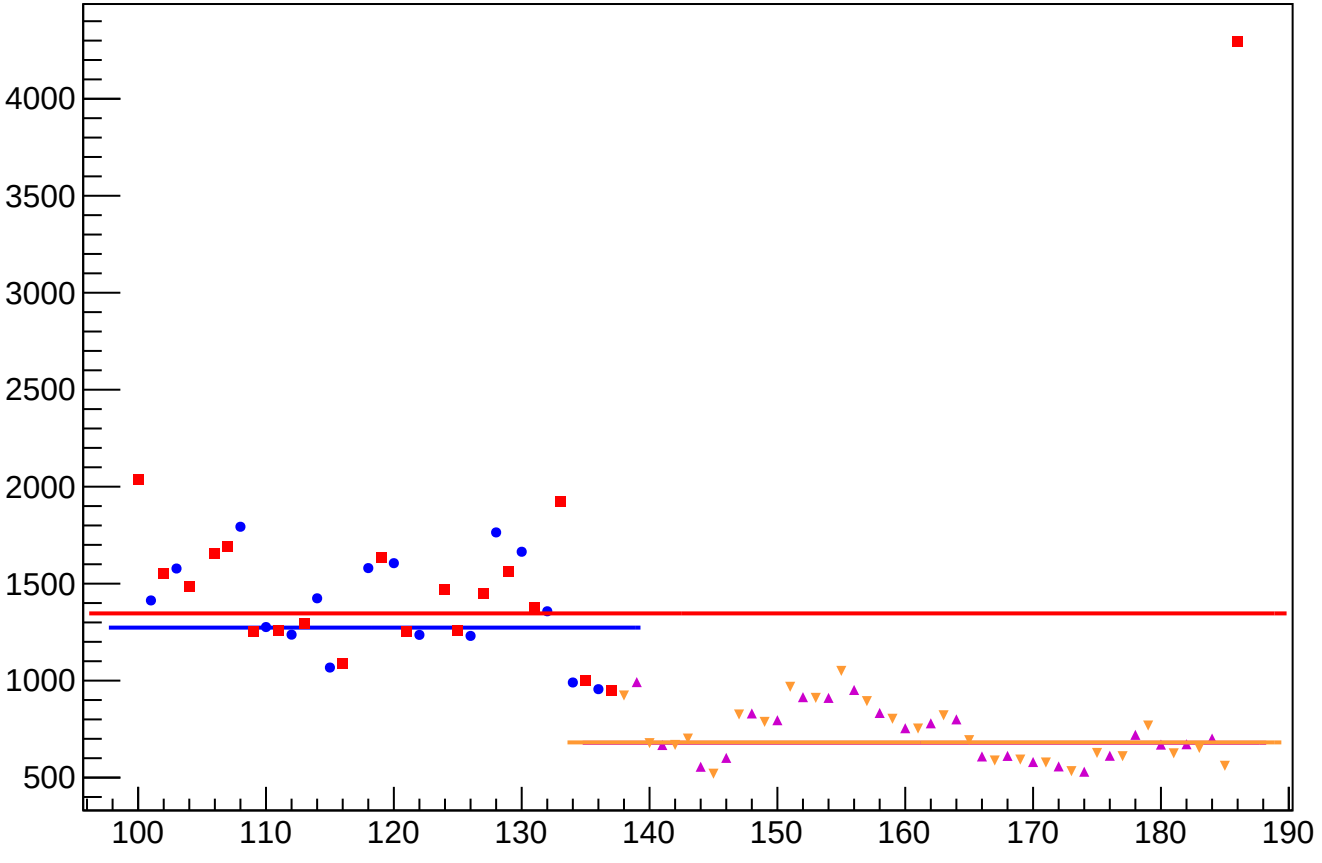
Right: 146.860+/-346.972 χ^2/NDF: 40.1/35

In: 34.989+/-153.539 χ^2/NDF:47.7/38

Out: -587.697+/-150.589 χ^2/NDF:95.4/44

All: -282.393+/-107.510 χ^2/NDF: 151.4/83

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 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

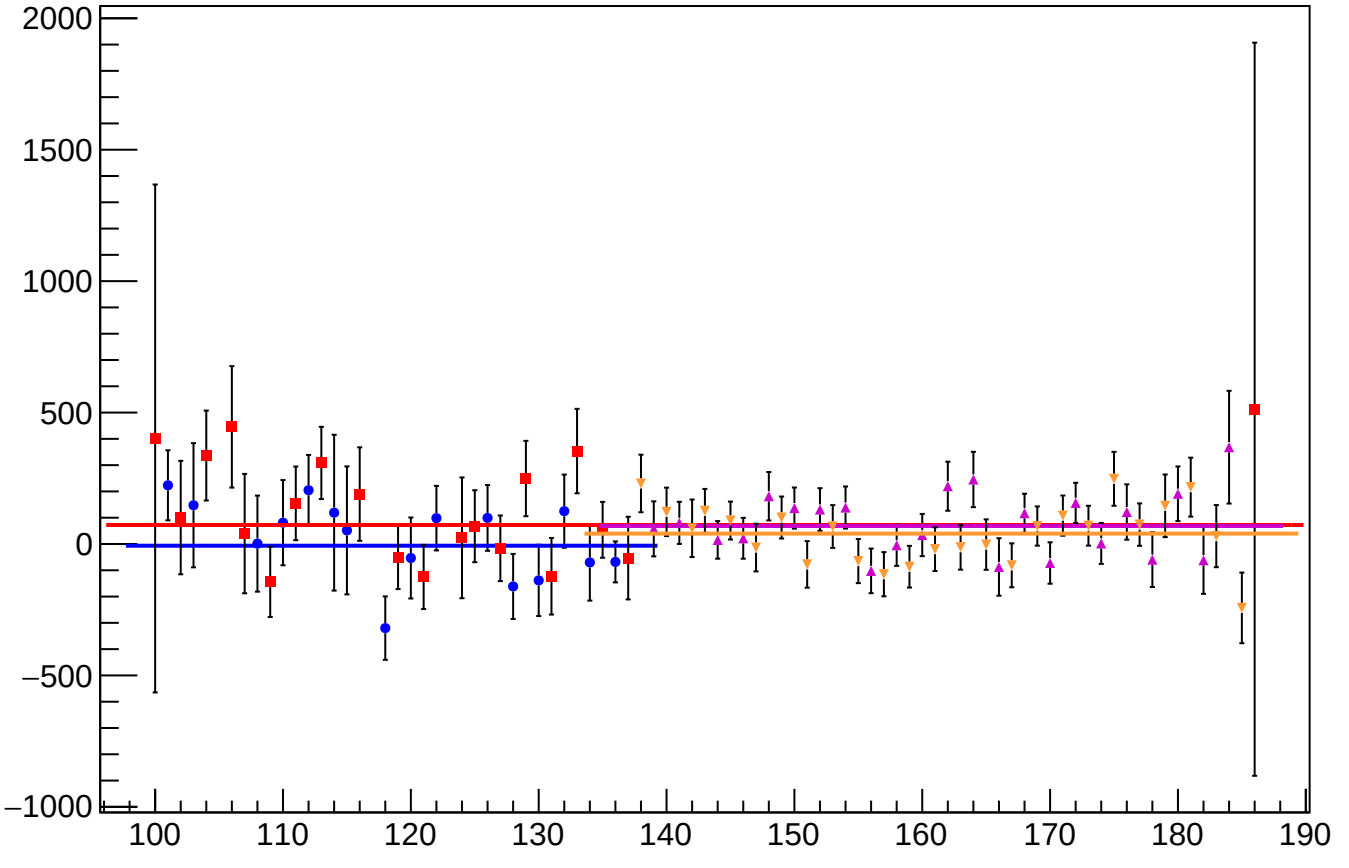
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1309.320+/-0.245 χ^2/NDF: 1473288.5/35

In: 738.573+/-0.109 χ^2/NDF:4466728.6/38

Out: 742.983+/-0.106 χ^2/NDF:5464670.1/44

All: 740.821+/-0.076 χ^2/NDF: 9932239.7/83



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

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

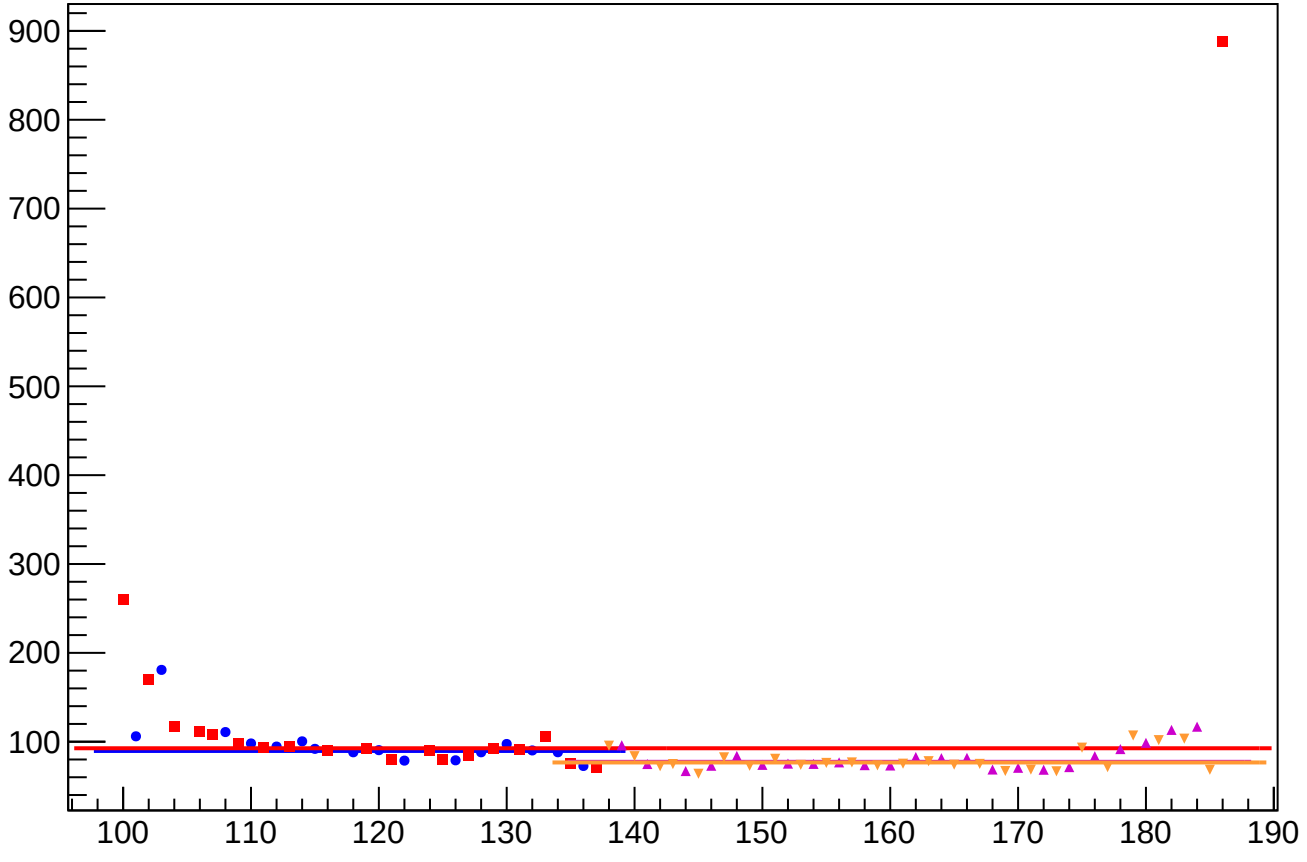
Right: 32.174+/-24.449 χ^2/NDF: 44.4/35

In: 51.925+/-16.156 χ^2/NDF:51.7/38

Out: 46.177+/-15.759 χ^2/NDF:55.5/44

All: 48.979+/-11.281 χ^2/NDF: 107.2/83

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

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

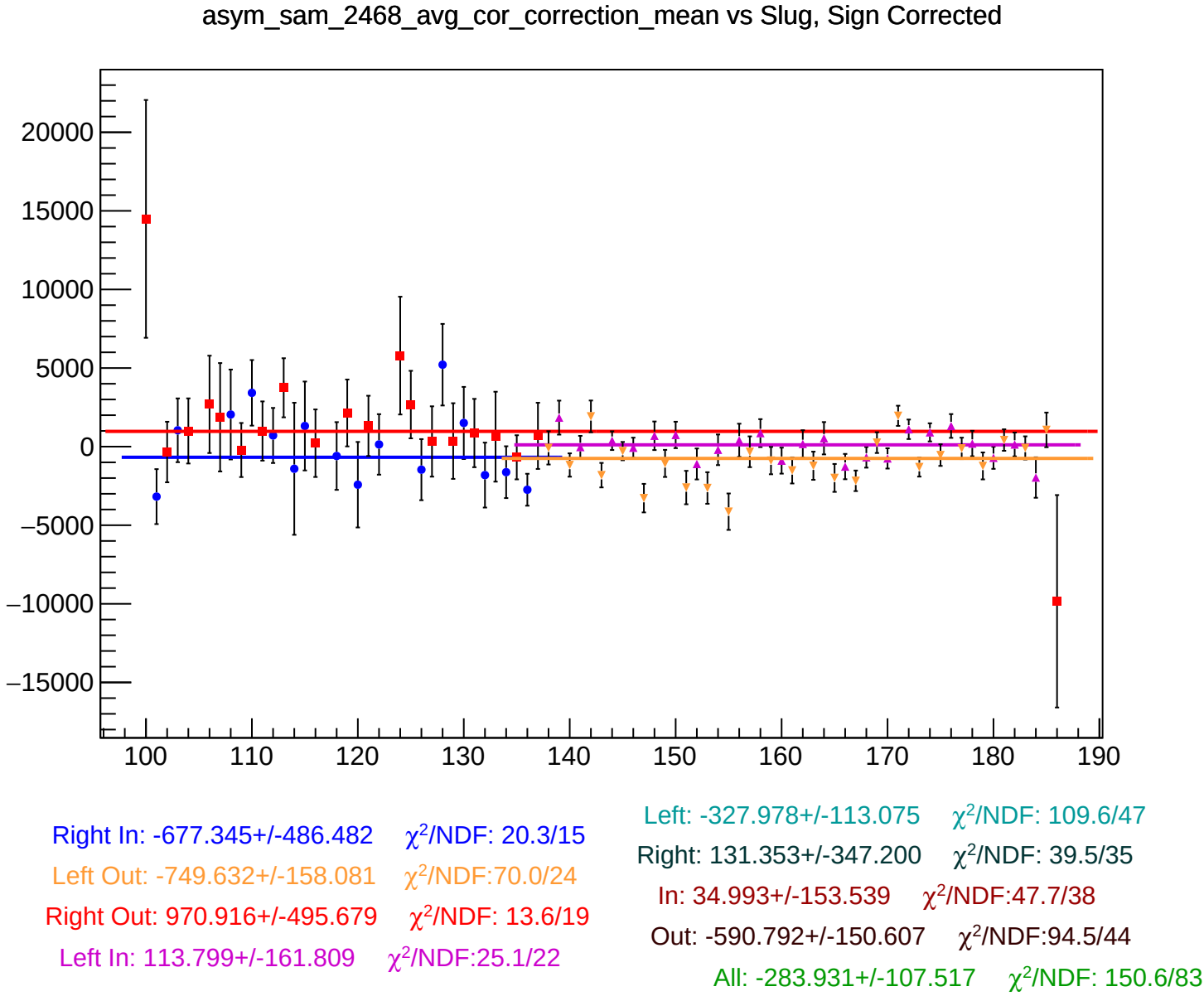
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 91.090+/-0.017 χ^2/NDF: 1697379.6/35

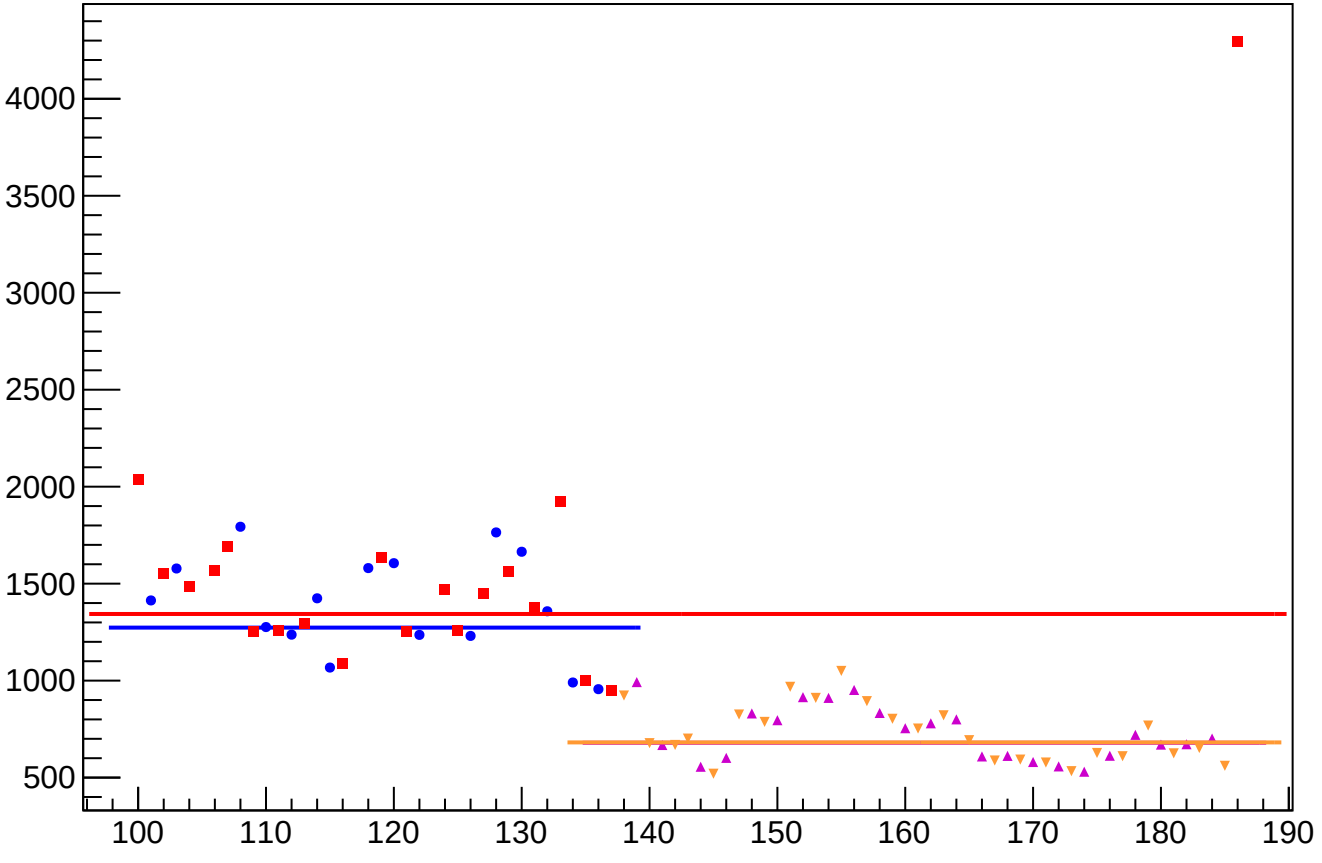
In: 80.070+/-0.011 χ^2/NDF:1287591.6/38

Out: 79.910+/-0.011 χ^2/NDF:2180164.9/44

All: 79.988+/-0.008 χ^2/NDF: 3467856.6/83


asym_sam_2468_avg_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: -677.345+/-486.482 χ²/NDF: 20.3/15
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: 131.353+/-347.200 χ²/NDF: 39.5/35
In: 34.993+/-153.539 χ²/NDF:47.7/38
Out: -590.792+/-150.607 χ²/NDF:94.5/44
All: -283.931+/-107.517 χ²/NDF: 150.6/83

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 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

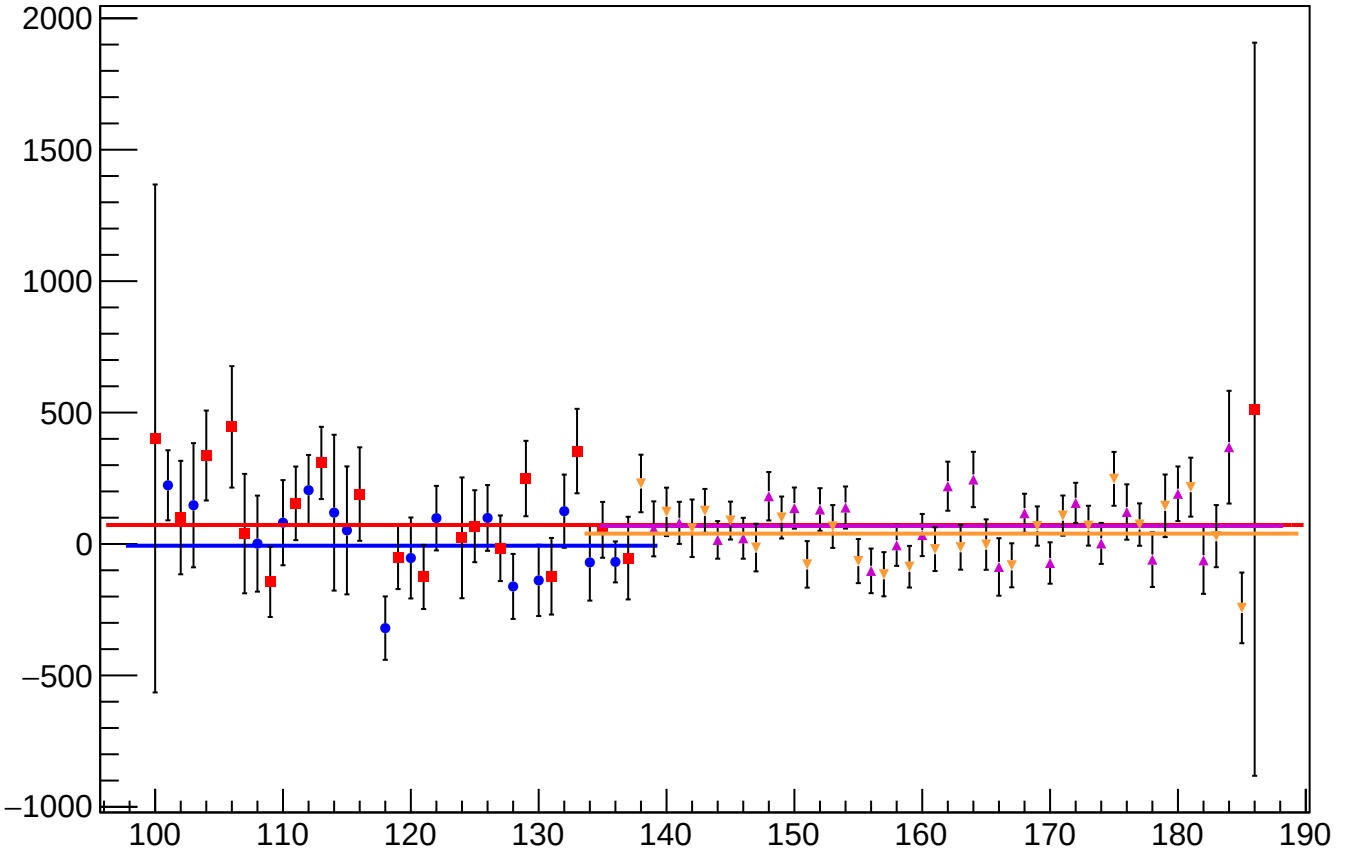
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1307.819+/-0.246 χ^2/NDF: 1460072.2/35

In: 738.573+/-0.109 χ^2/NDF:4466763.2/38

Out: 742.560+/-0.106 χ^2/NDF:5416218.9/44

All: 740.605+/-0.076 χ^2/NDF: 9883669.4/83



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

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

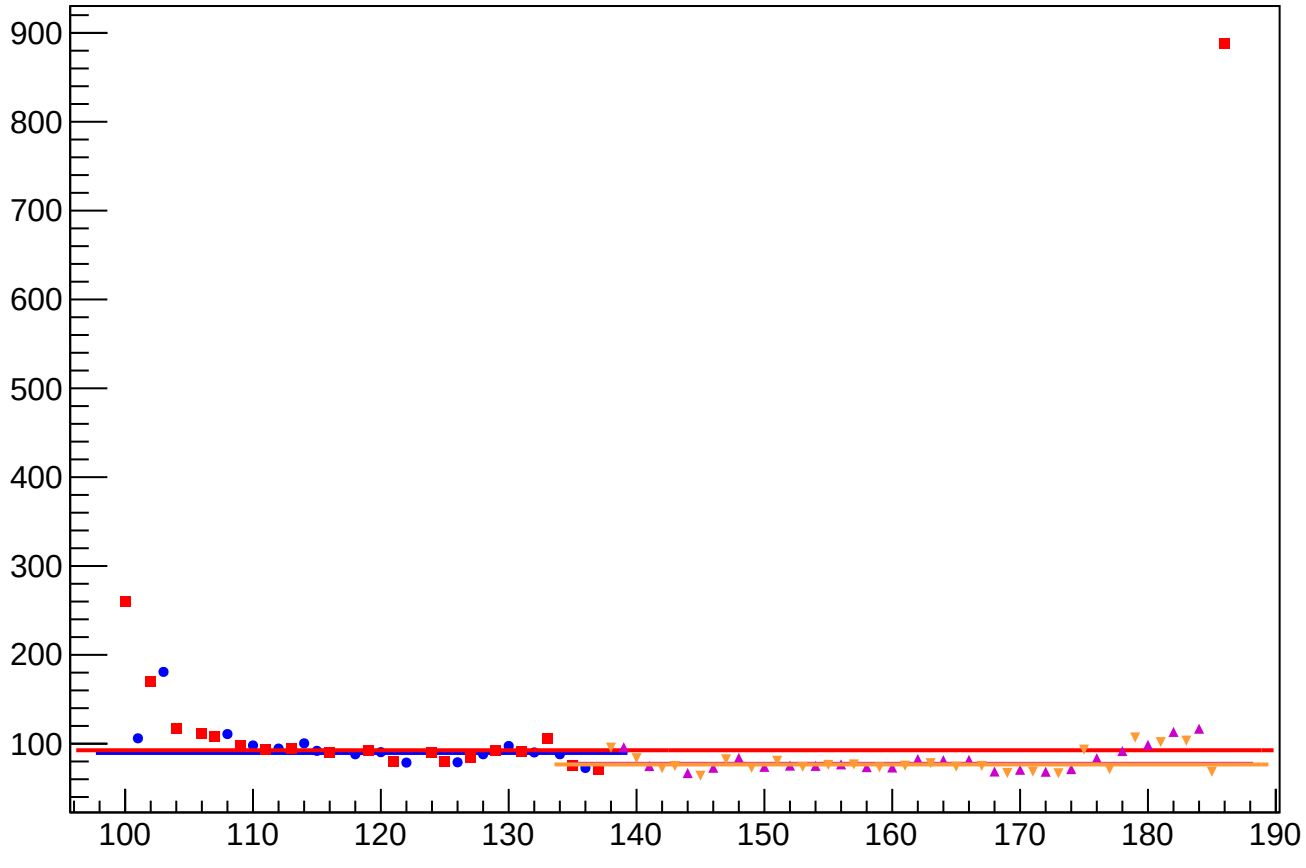
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 32.174+/-24.449 χ^2/NDF: 44.4/35

In: 51.925+/-16.156 χ^2/NDF:51.7/38

Out: 46.177+/-15.759 χ^2/NDF:55.5/44

All: 48.979+/-11.281 χ^2/NDF: 107.2/83



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

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

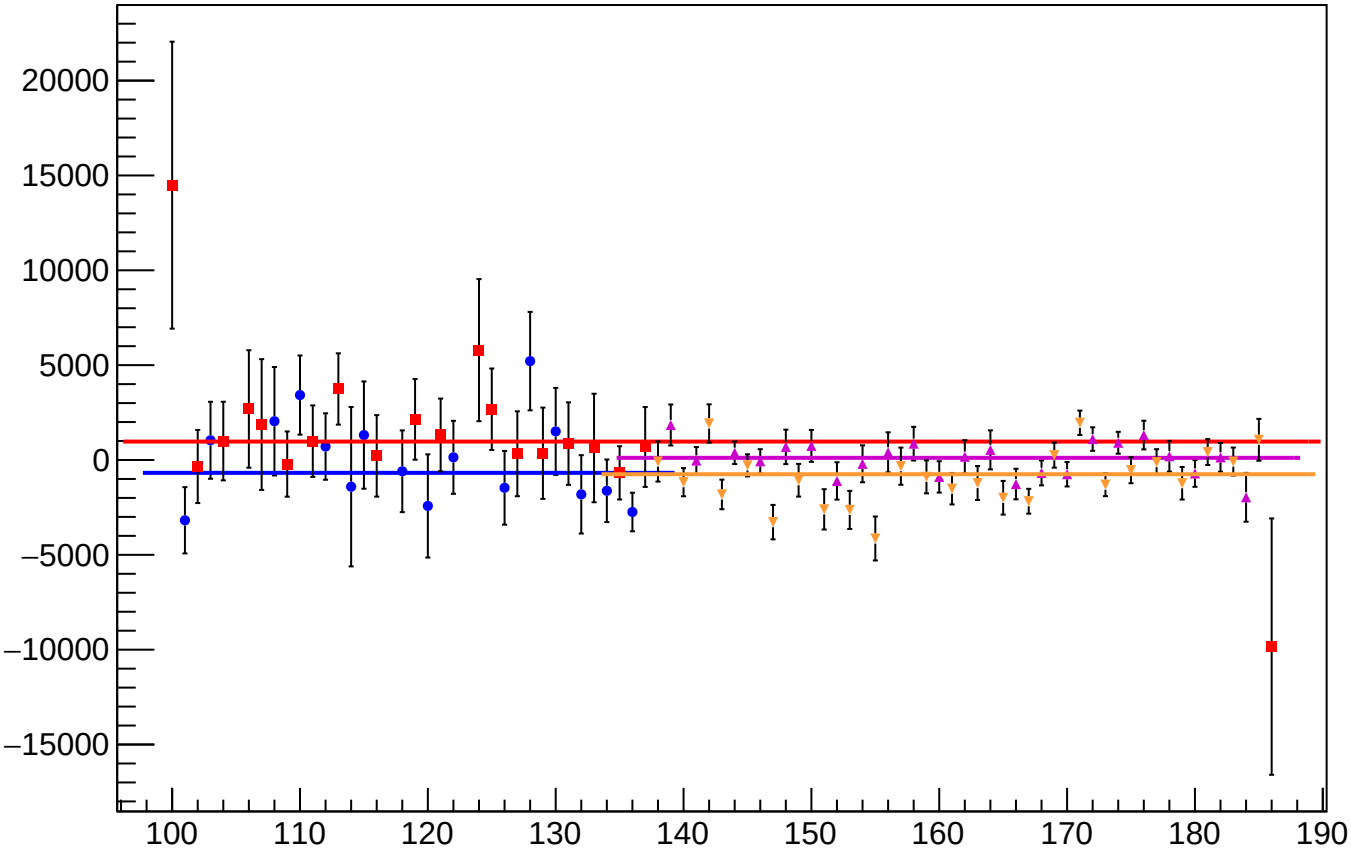
Right: 91.090+/-0.017 χ^2/NDF: 1697379.6/35

In: 80.070+/-0.011 χ^2/NDF:1287591.6/38

Out: 79.910+/-0.011 χ^2/NDF:2180164.9/44

All: 79.988+/-0.008 χ^2/NDF: 3467856.6/83

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -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

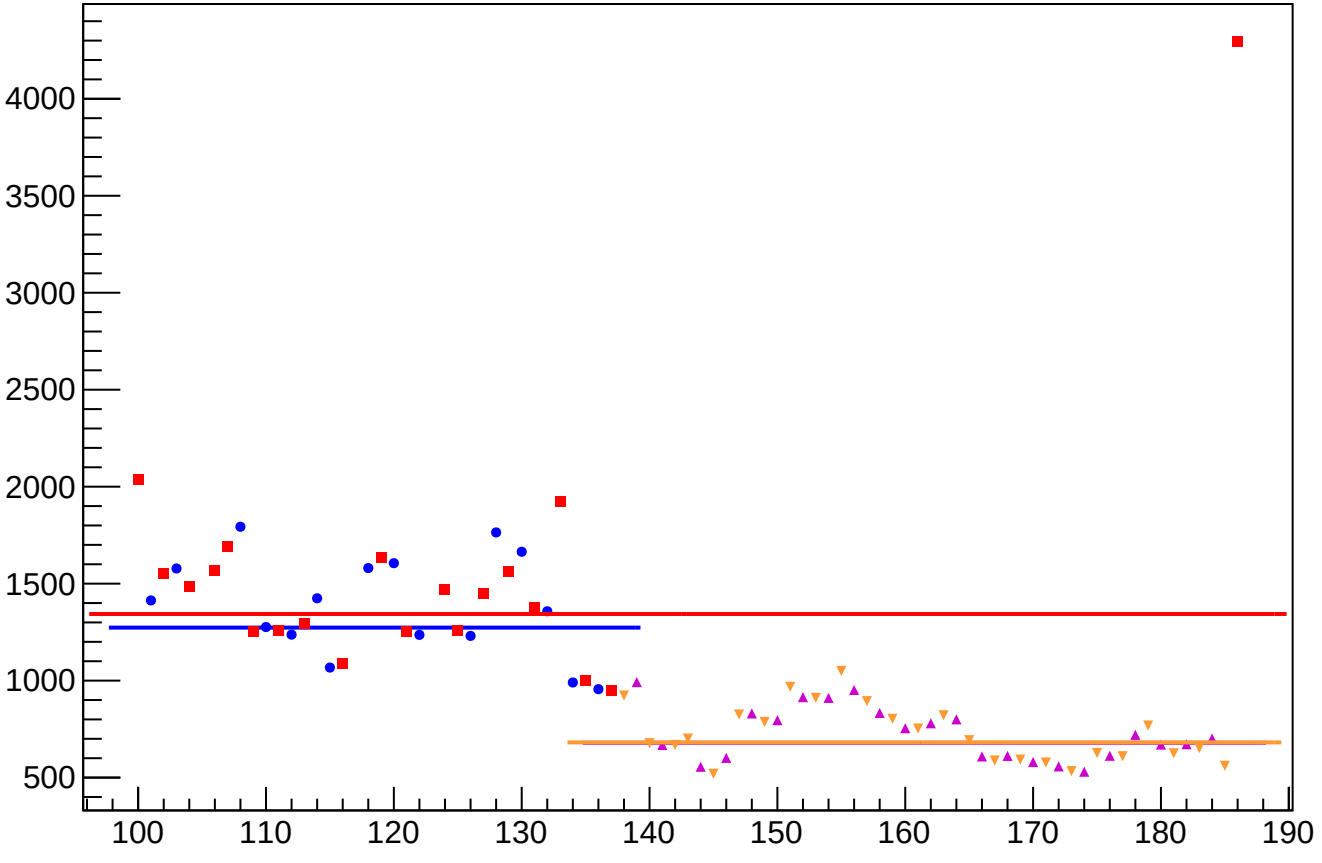
Right: 131.353+/-347.200 χ^2/NDF: 39.5/35

In: 34.993+/-153.539 χ^2/NDF:47.7/38

Out: -590.792+/-150.607 χ^2/NDF:94.5/44

All: -283.931+/-107.517 χ^2/NDF: 150.6/83

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 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

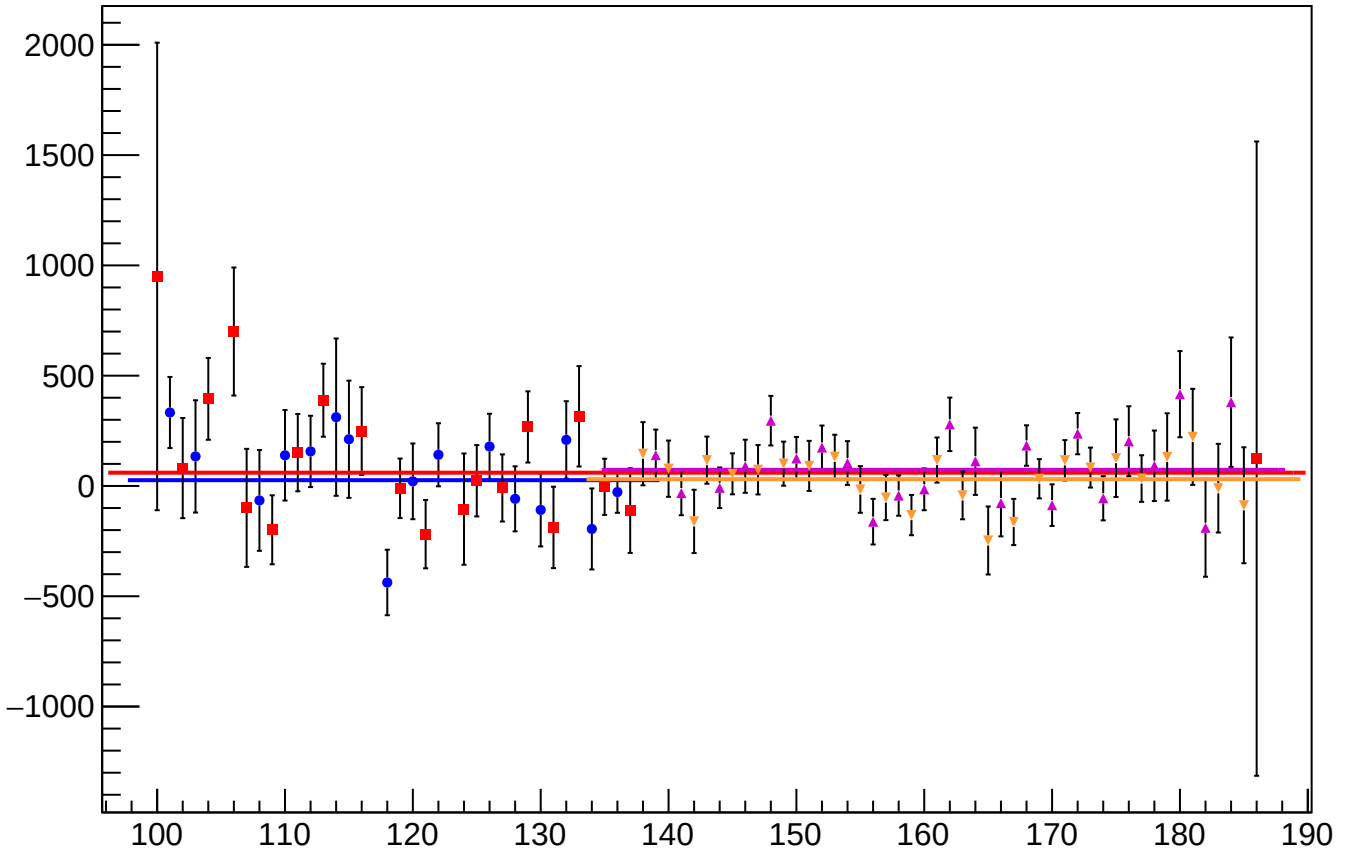
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1307.819+/-0.246 χ^2/NDF: 1460072.2/35

In: 738.573+/-0.109 χ^2/NDF:4466763.2/38

Out: 742.560+/-0.106 χ^2/NDF:5416218.9/44

All: 740.605+/-0.076 χ^2/NDF: 9883669.4/83



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

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

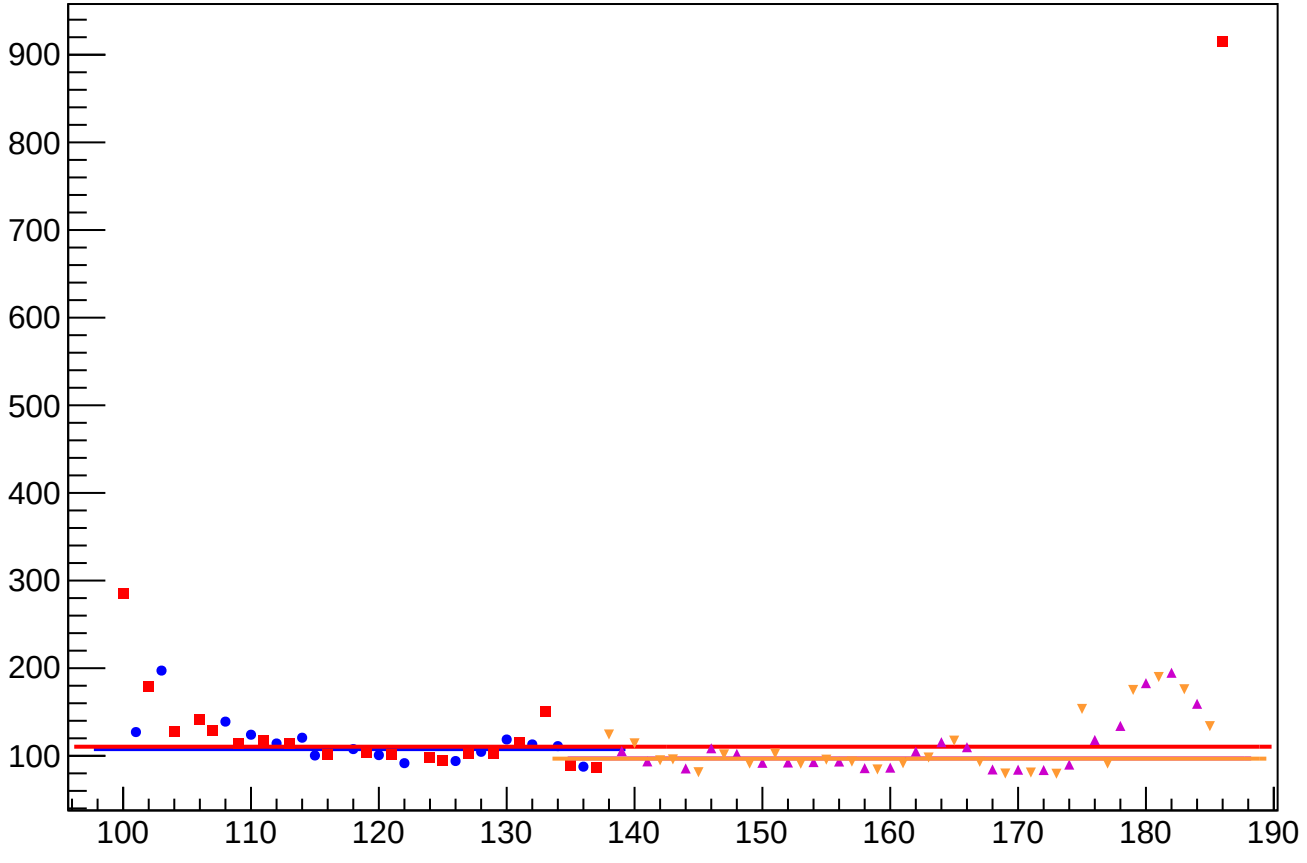
Right: 43.092+/-29.249 χ^2/NDF: 48.7/35

In: 61.636+/-20.422 χ^2/NDF:56.8/38

Out: 37.544+/-20.022 χ^2/NDF:47.3/44

All: 49.351+/-14.297 χ^2/NDF: 104.9/83

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

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

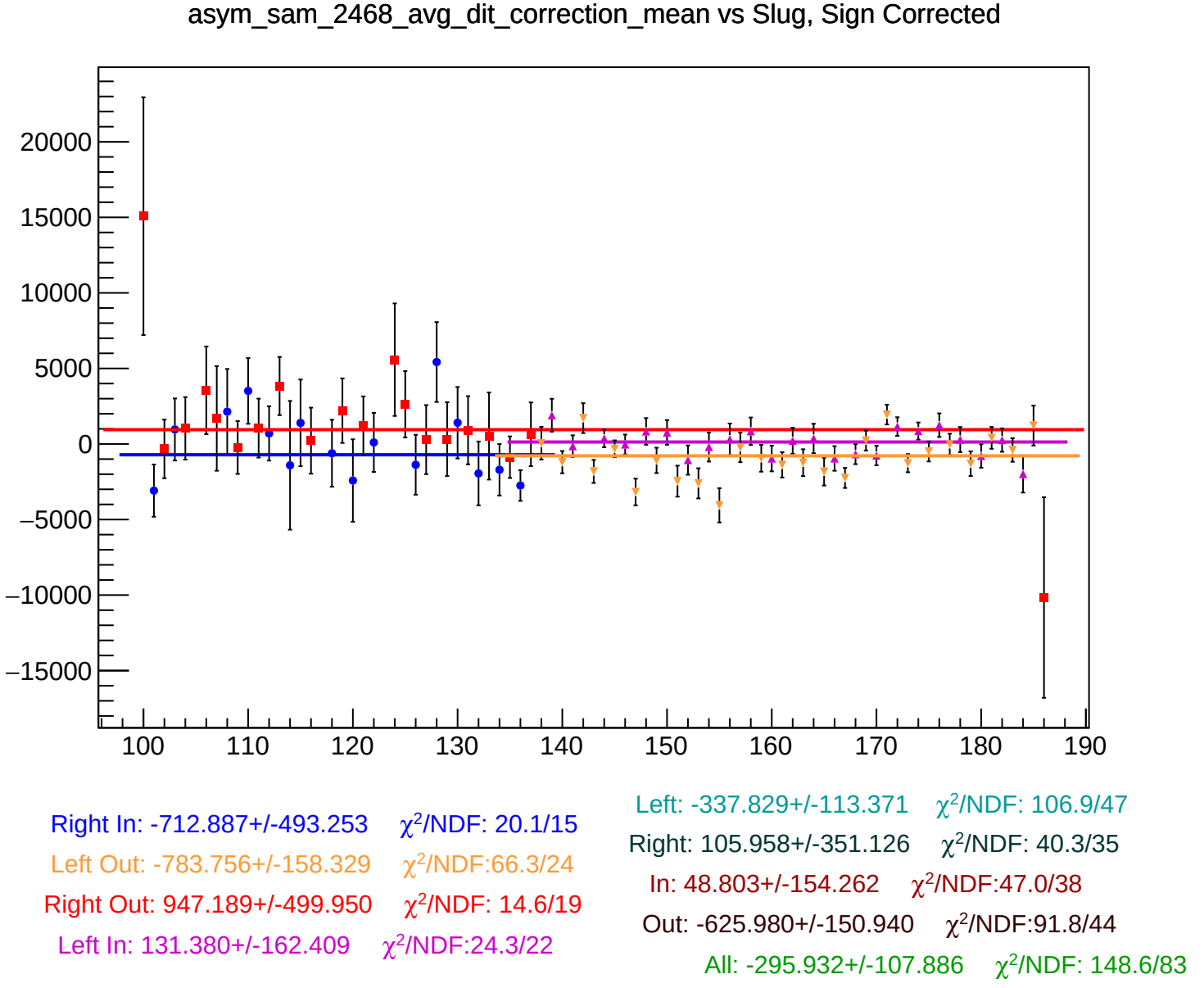
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

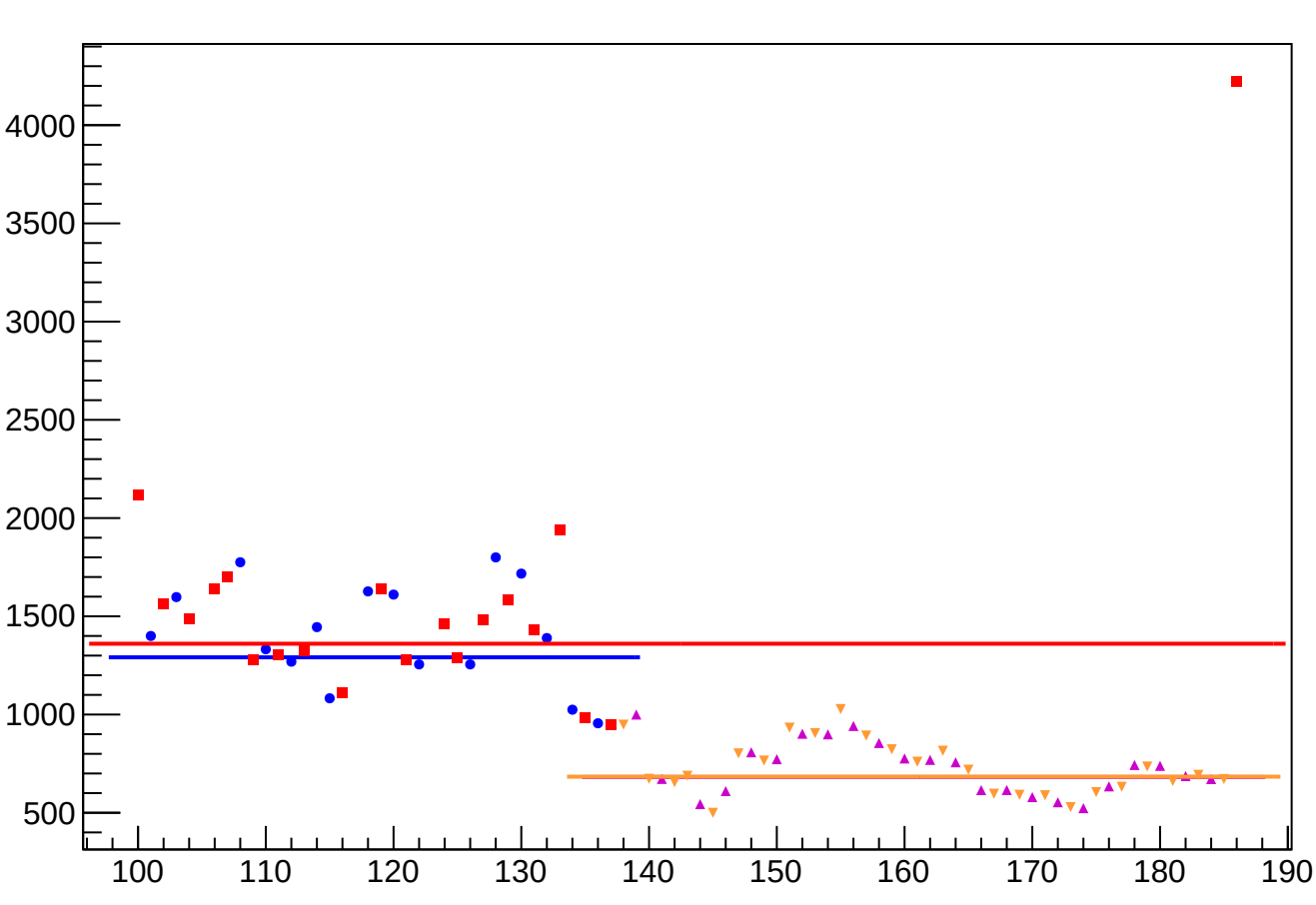
Right: 109.036+/-0.021 χ^2/NDF: 1606070.0/35

In: 99.634+/-0.014 χ^2/NDF:1905302.3/38

Out: 99.962+/-0.014 χ^2/NDF:3004130.4/44

All: 99.801+/-0.010 χ^2/NDF: 4909695.6/83


asym_sam_2468_avg_dit_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: -712.887+/-493.253 χ²/NDF: 20.1/15
Left Out: -783.756+/-158.329 χ²/NDF:66.3/24
Right Out: 947.189+/-499.950 χ²/NDF: 14.6/19
Left In: 131.380+/-162.409 χ²/NDF:24.3/22
Left: -337.829+/-113.371 χ²/NDF: 106.9/47
Right: 105.958+/-351.126 χ²/NDF: 40.3/35
In: 48.803+/-154.262 χ²/NDF:47.0/38
Out: -625.980+/-150.940 χ²/NDF:91.8/44
All: -295.932+/-107.886 χ²/NDF: 148.6/83



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

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

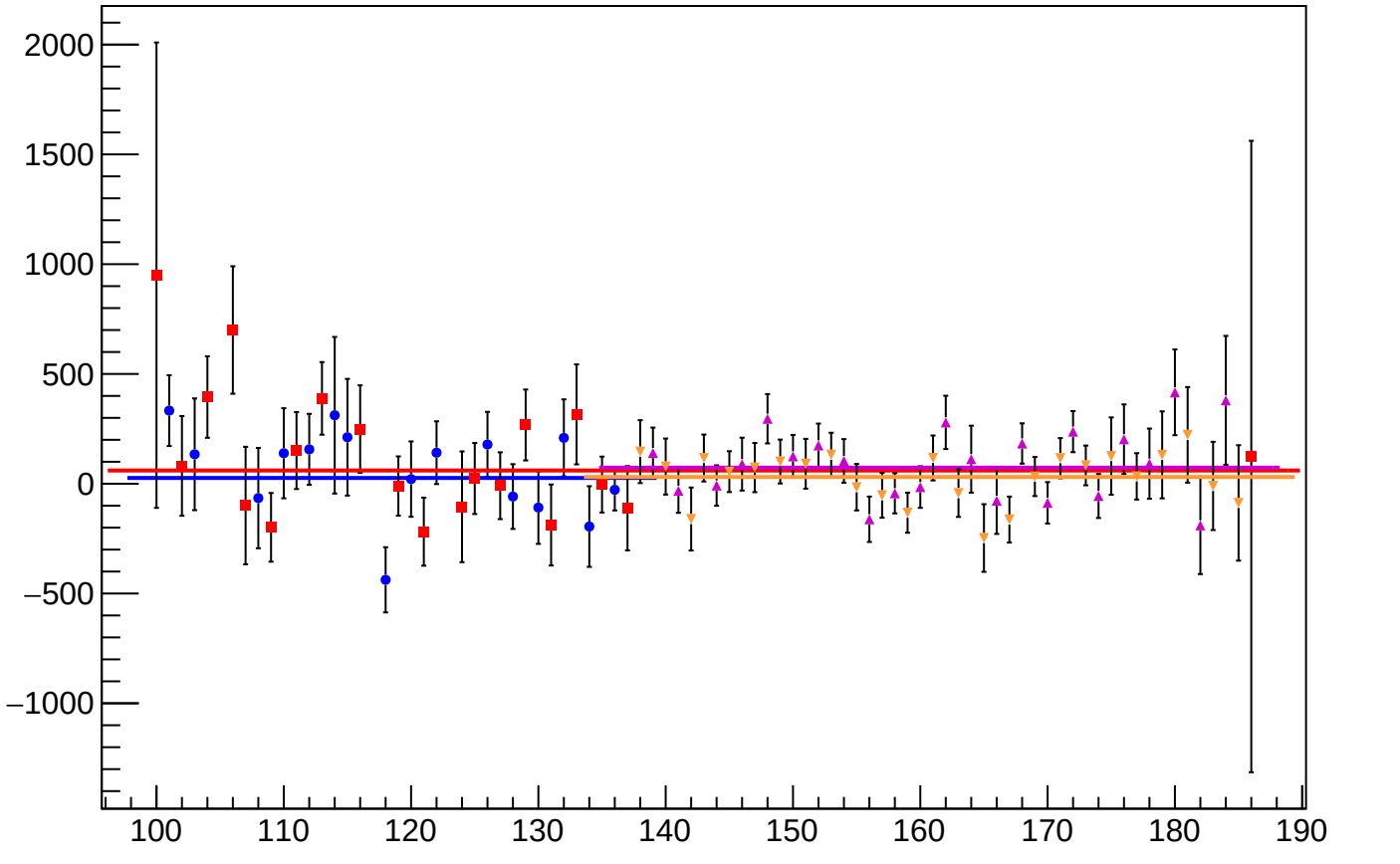
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1325.365+/-0.248 χ^2/NDF: 1495043.0/35

In: 741.553+/-0.109 χ^2/NDF:4549970.8/38

Out: 745.383+/-0.107 χ^2/NDF:5493240.1/44

All: 743.510+/-0.076 χ^2/NDF: 10043840.8/83



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

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

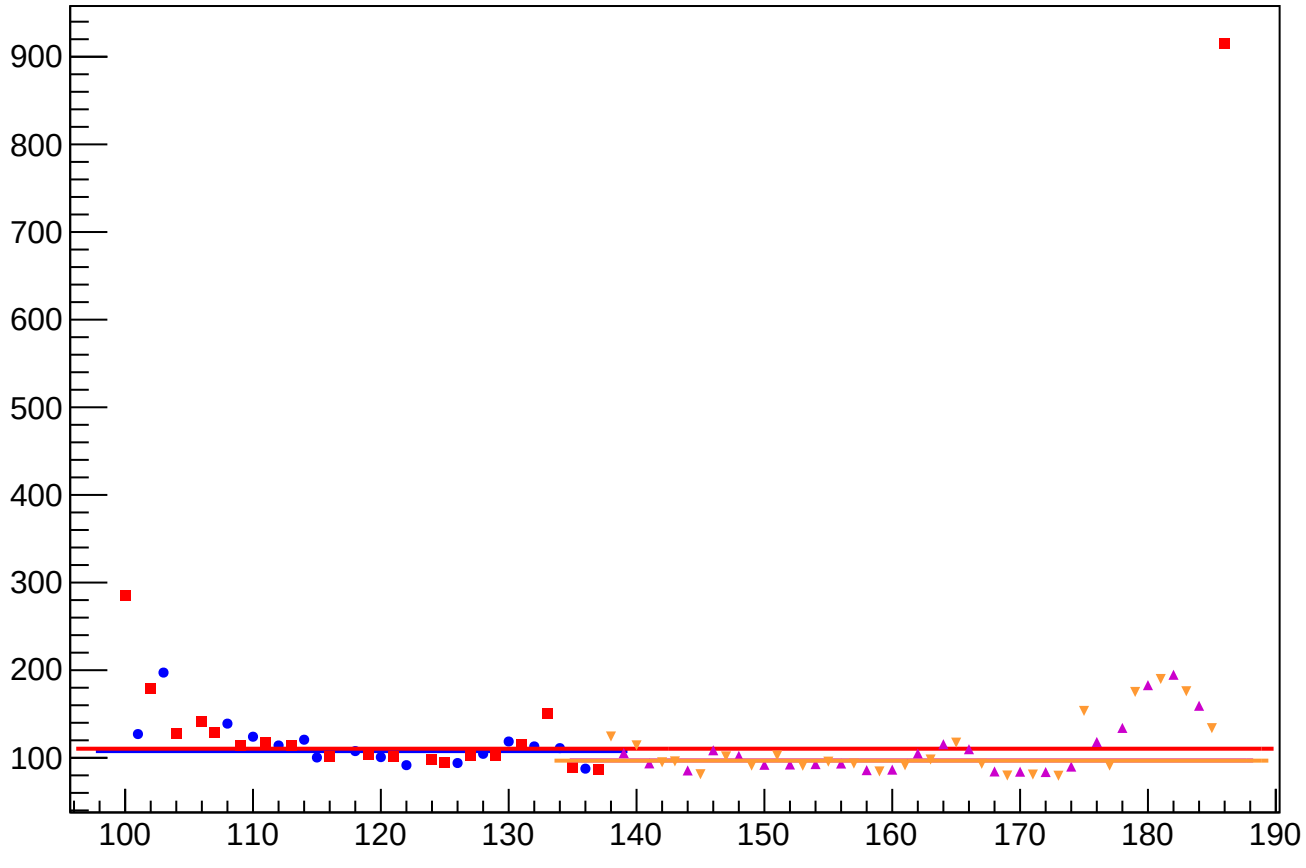
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 43.092+/-29.249 χ^2/NDF: 48.7/35

In: 61.635+/-20.422 χ^2/NDF:56.8/38

Out: 37.544+/-20.022 χ^2/NDF:47.3/44

All: 49.351+/-14.297 χ^2/NDF: 104.9/83



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

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

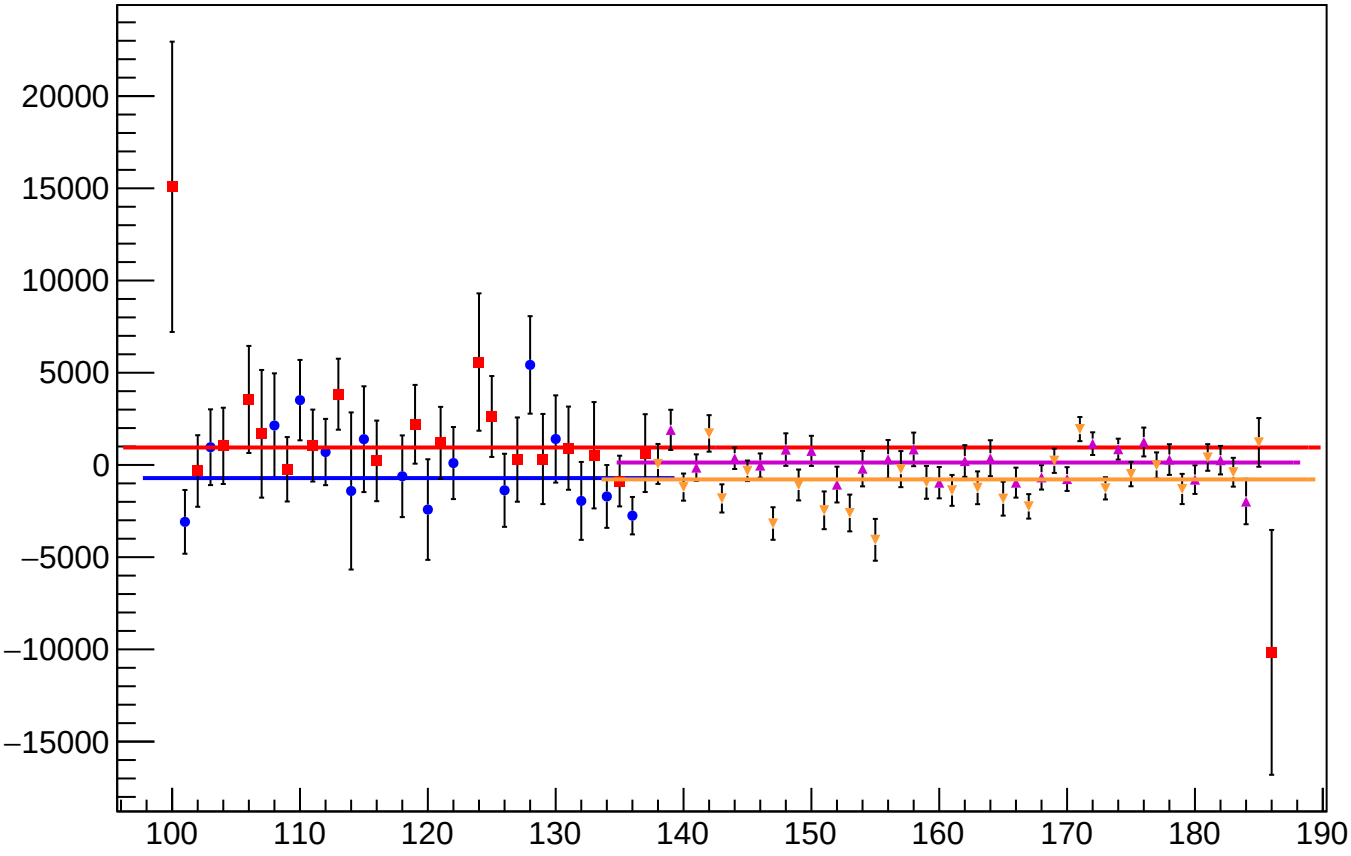
Right: 109.035+/-0.021 χ^2/NDF: 1606055.2/35

In: 99.634+/-0.014 χ^2/NDF:1905253.7/38

Out: 99.962+/-0.014 χ^2/NDF:3004107.2/44

All: 99.801+/-0.010 χ^2/NDF: 4909623.8/83

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -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

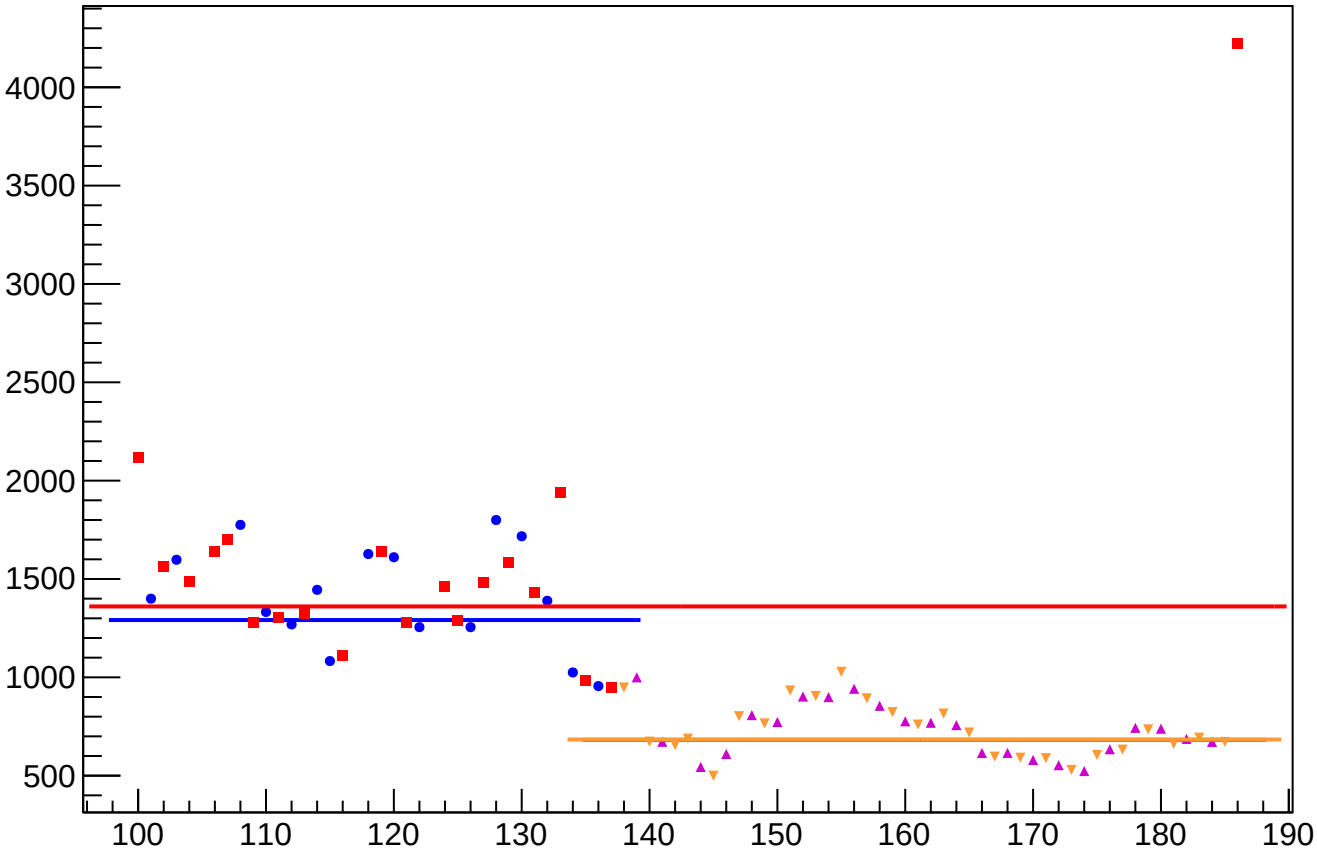
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 105.960+/-351.125 χ^2/NDF: 40.3/35

In: 48.802+/-154.262 χ^2/NDF:47.0/38

Out: -625.978+/-150.940 χ^2/NDF:91.8/44

All: -295.932+/-107.886 χ^2/NDF: 148.6/83



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

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

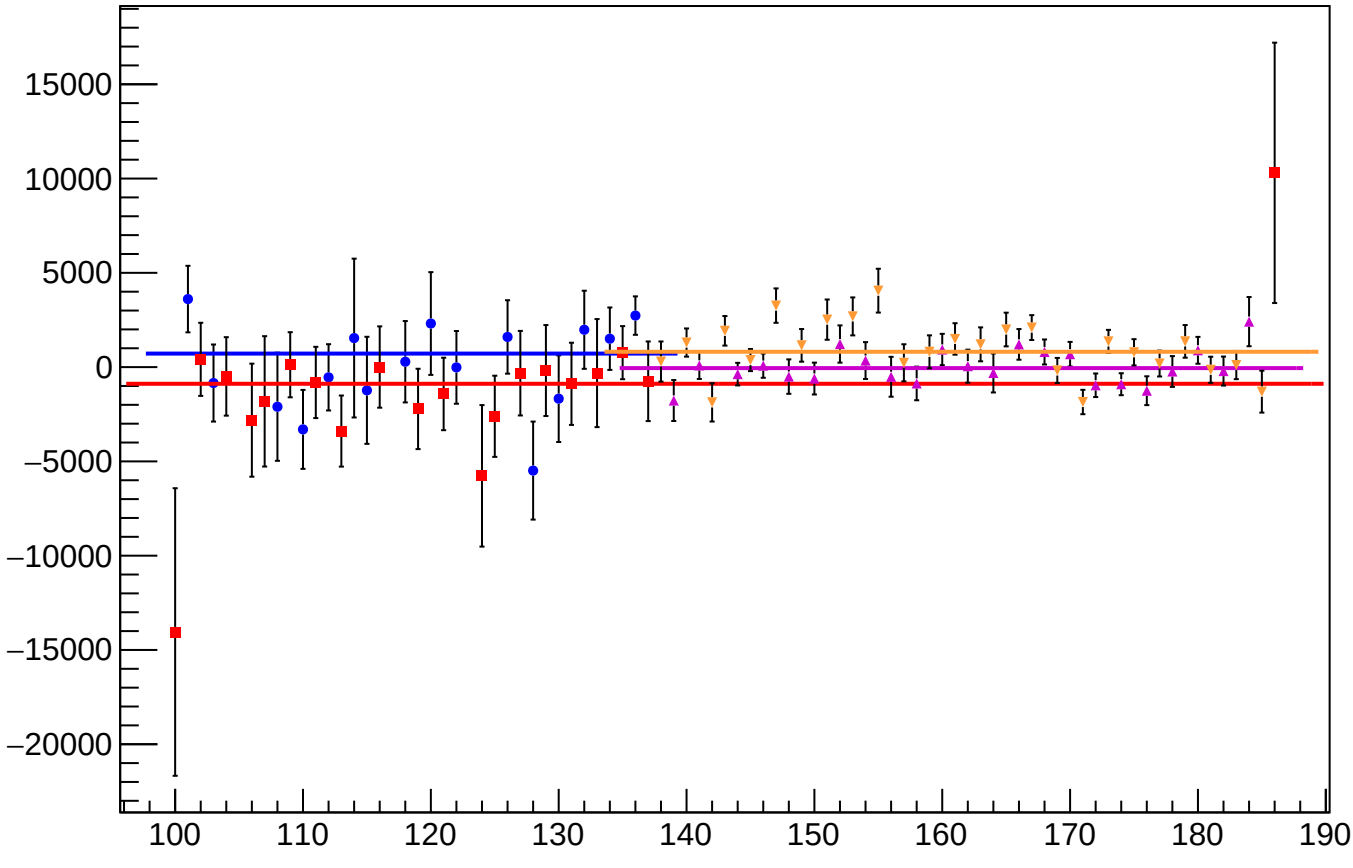
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1325.362+/-0.248 χ^2/NDF: 1495040.2/35

In: 741.551+/-0.109 χ^2/NDF:4549970.3/38

Out: 745.382+/-0.107 χ^2/NDF:5493245.0/44

All: 743.508+/-0.076 χ^2/NDF: 10043845.2/83



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

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

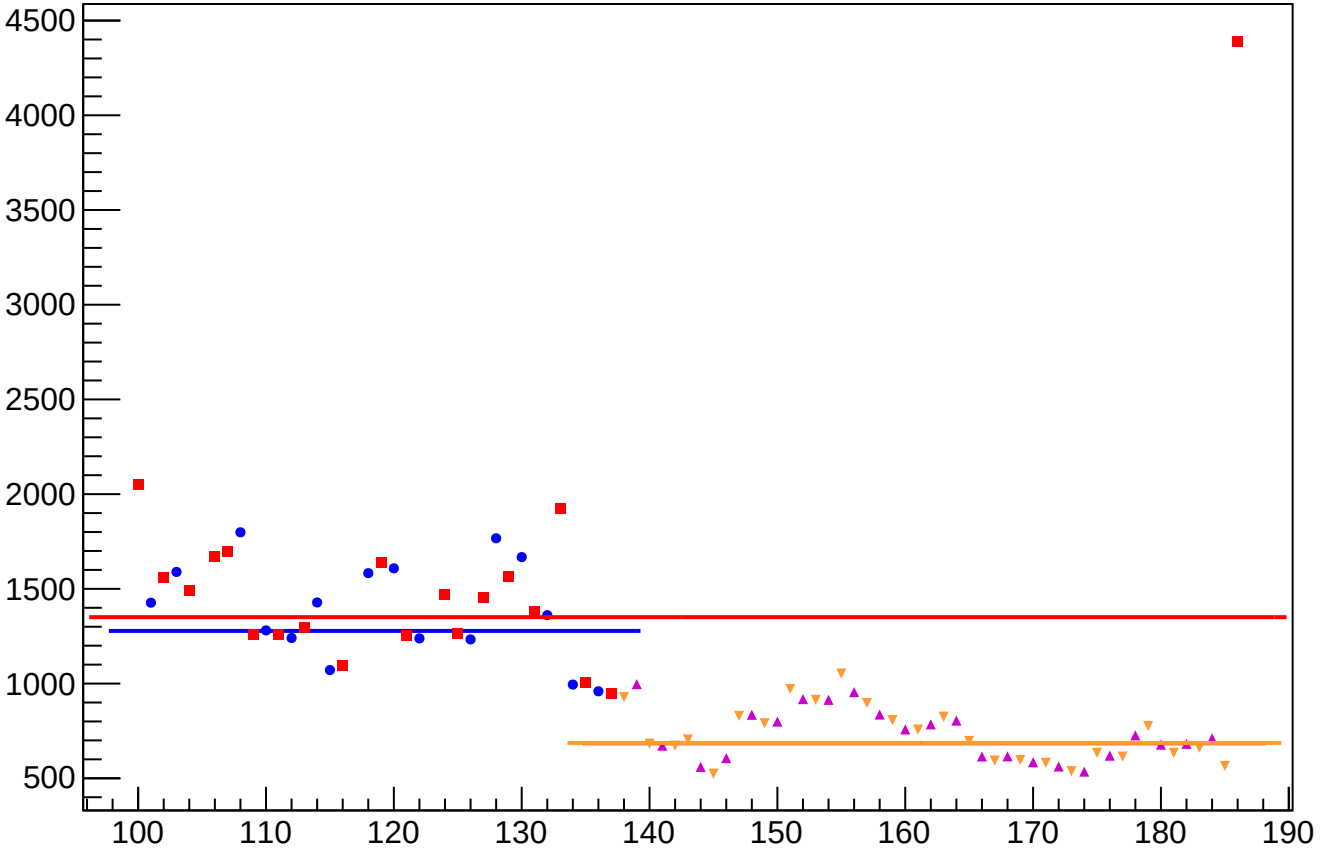
Right: -69.381+/-348.211 χ^2/NDF: 39.5/35

In: 24.947+/-154.642 χ^2/NDF:48.6/38

Out: 655.801+/-151.653 χ^2/NDF:89.6/44

All: 346.529+/-108.276 χ^2/NDF: 146.7/83

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

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

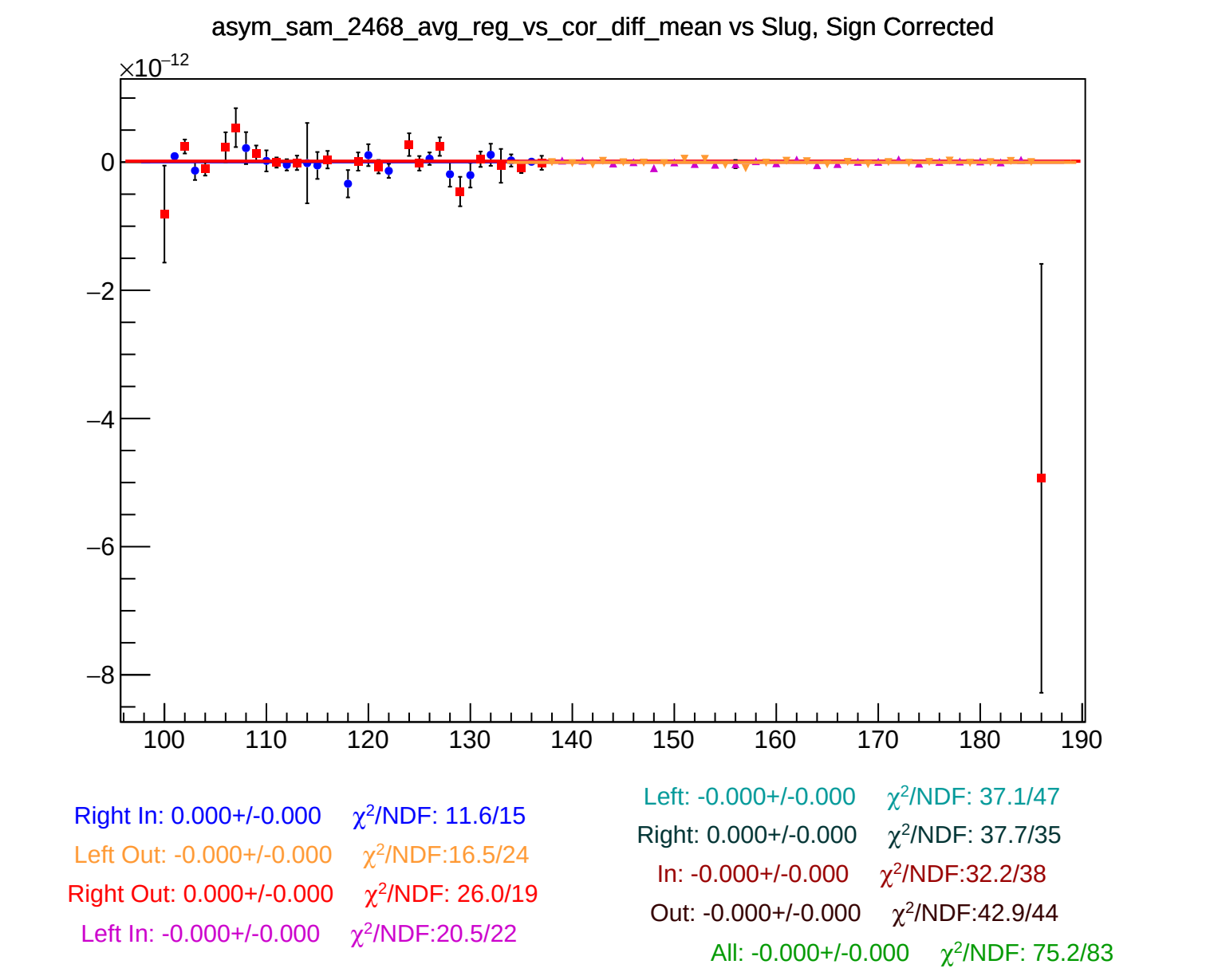
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1313.655+/-0.246 χ^2/NDF: 1480677.9/35

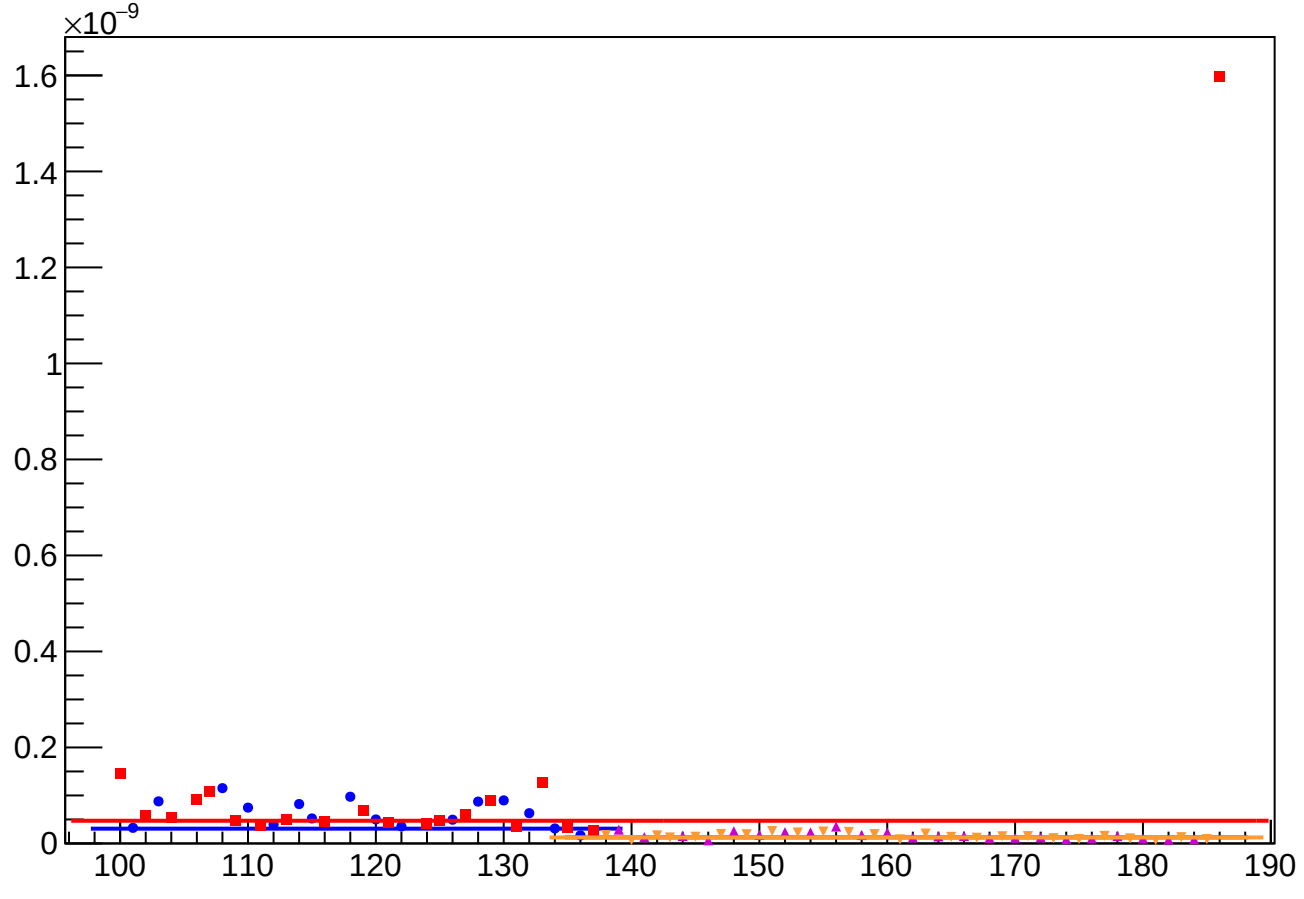
In: 744.275+/-0.109 χ^2/NDF:4419179.7/38

Out: 748.573+/-0.107 χ^2/NDF:5412699.0/44

All: 746.466+/-0.077 χ^2/NDF: 9832666.4/83


asym_sam_2468_avg_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: 11.6/15
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.0/19
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 37.7/35
In: -0.000+/-0.000 χ²/NDF:32.2/38
Out: -0.000+/-0.000 χ²/NDF:42.9/44
All: -0.000+/-0.000 χ²/NDF: 75.2/83

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

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

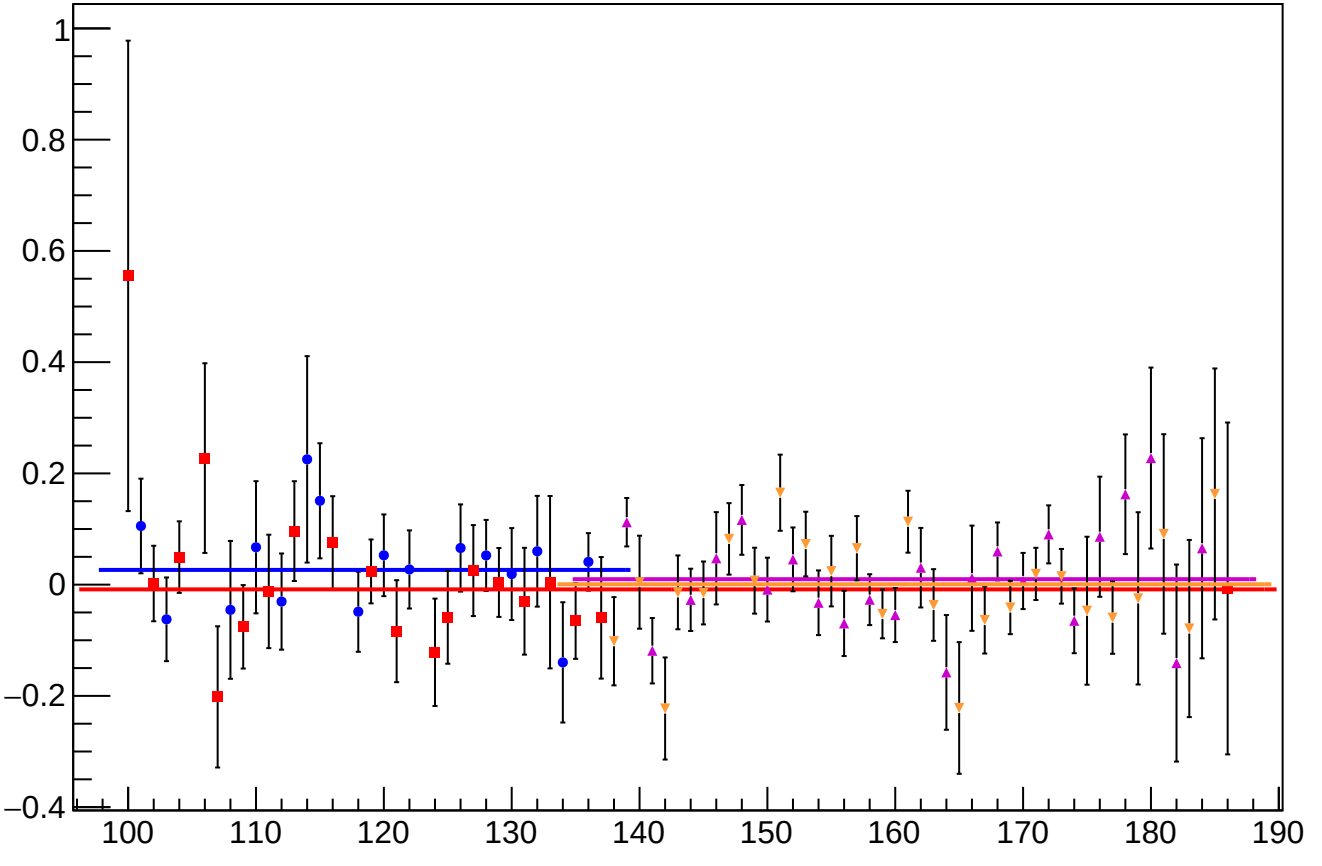
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3487012.7/35

In: 0.000+/-0.000 χ^2/NDF:5216602.8/38

Out: 0.000+/-0.000 χ^2/NDF:5761552.6/44

All: 0.000+/-0.000 χ^2/NDF: 10978580.9/83



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

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

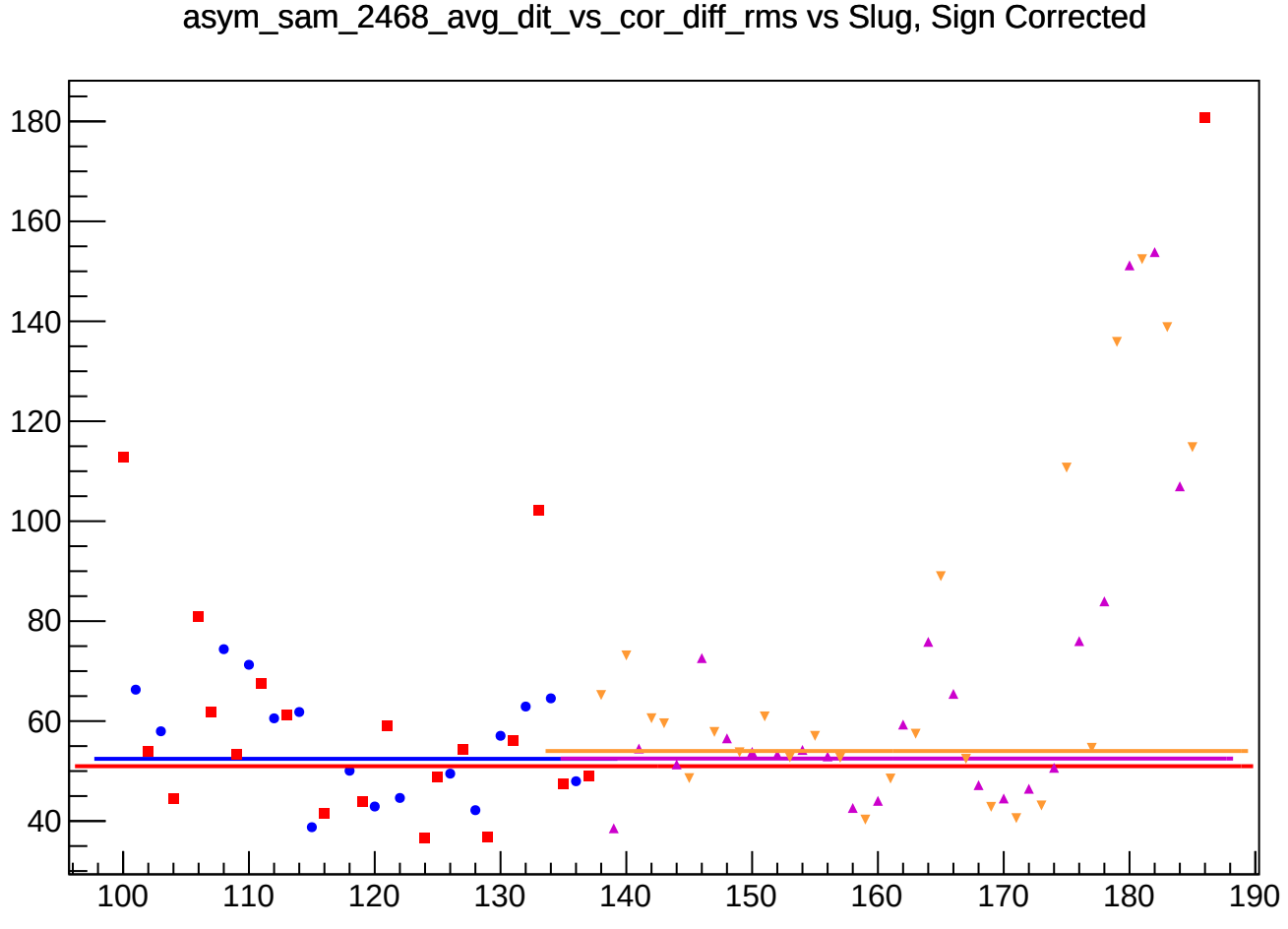
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.008+/-0.014 χ^2/NDF: 25.4/35

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.3/83



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

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

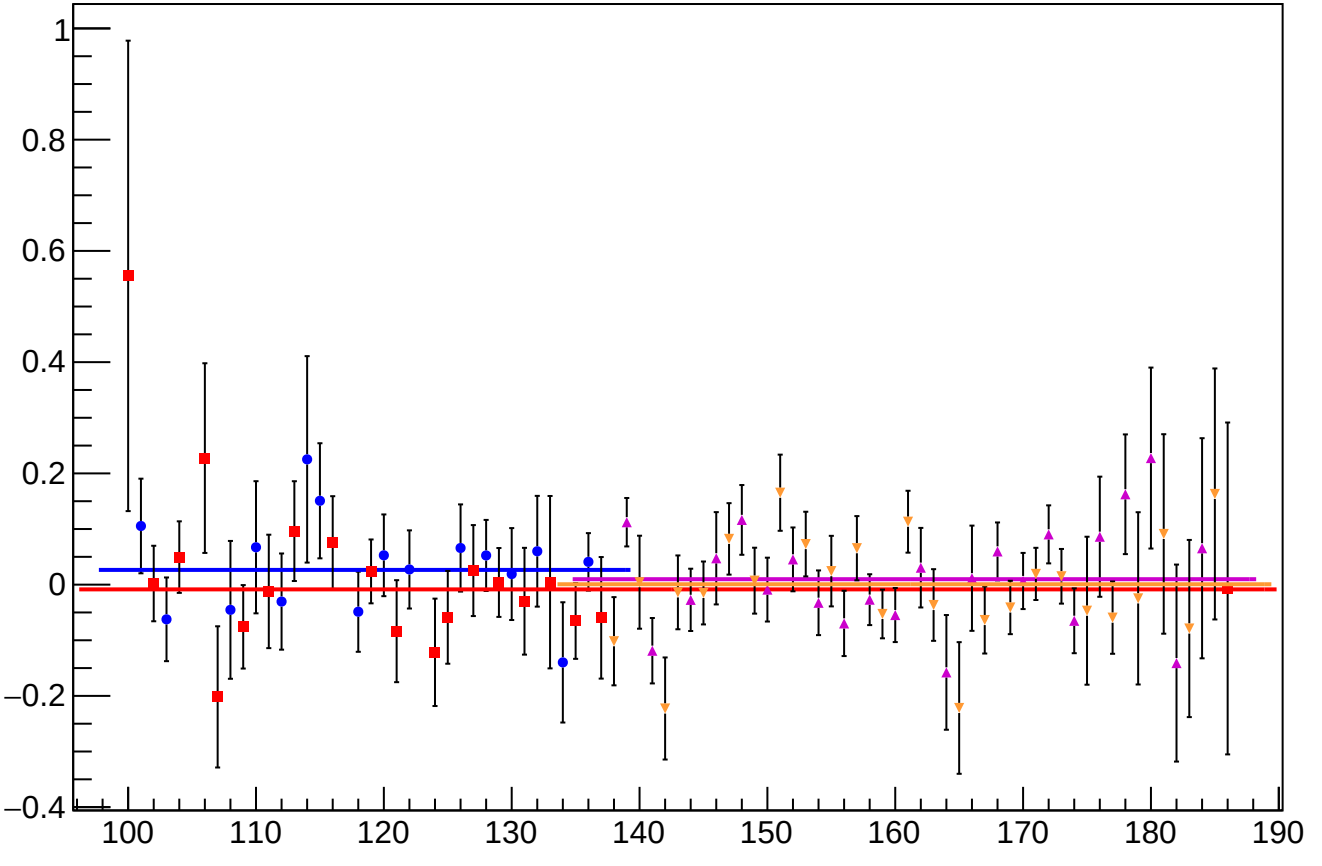
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.678+/-0.010 χ^2/NDF: 1480074.7/35

In: 52.487+/-0.008 χ^2/NDF:2975786.9/38

Out: 53.051+/-0.008 χ^2/NDF:4317513.1/44

All: 52.773+/-0.006 χ^2/NDF: 7295925.3/83



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

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

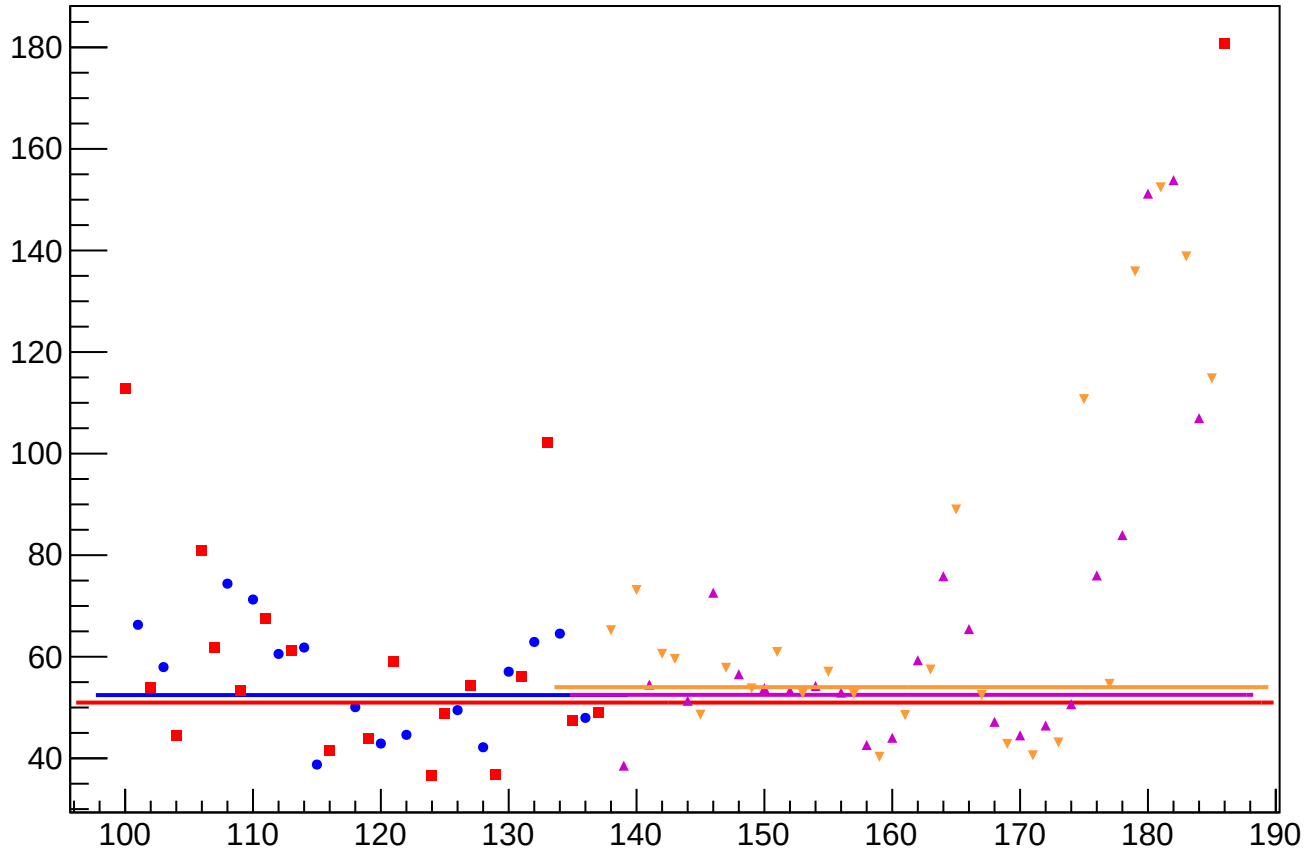
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.008+/-0.014 χ^2/NDF: 25.4/35

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.3/83



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

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

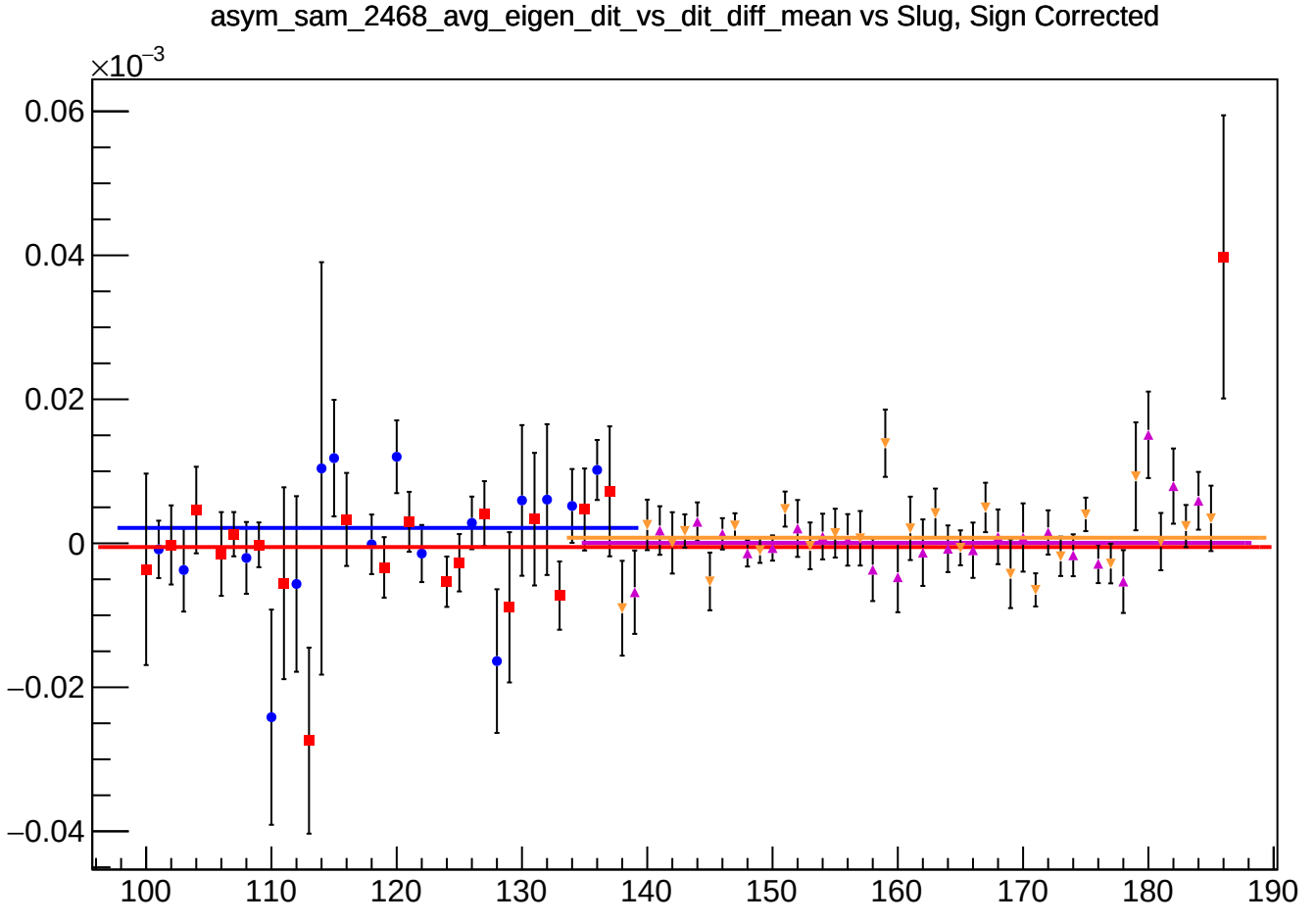
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 51.678+/-0.010 χ^2/NDF: 1480074.7/35

In: 52.487+/-0.008 χ^2/NDF:2975786.9/38

Out: 53.051+/-0.008 χ^2/NDF:4317513.1/44

All: 52.773+/-0.006 χ^2/NDF: 7295925.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

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

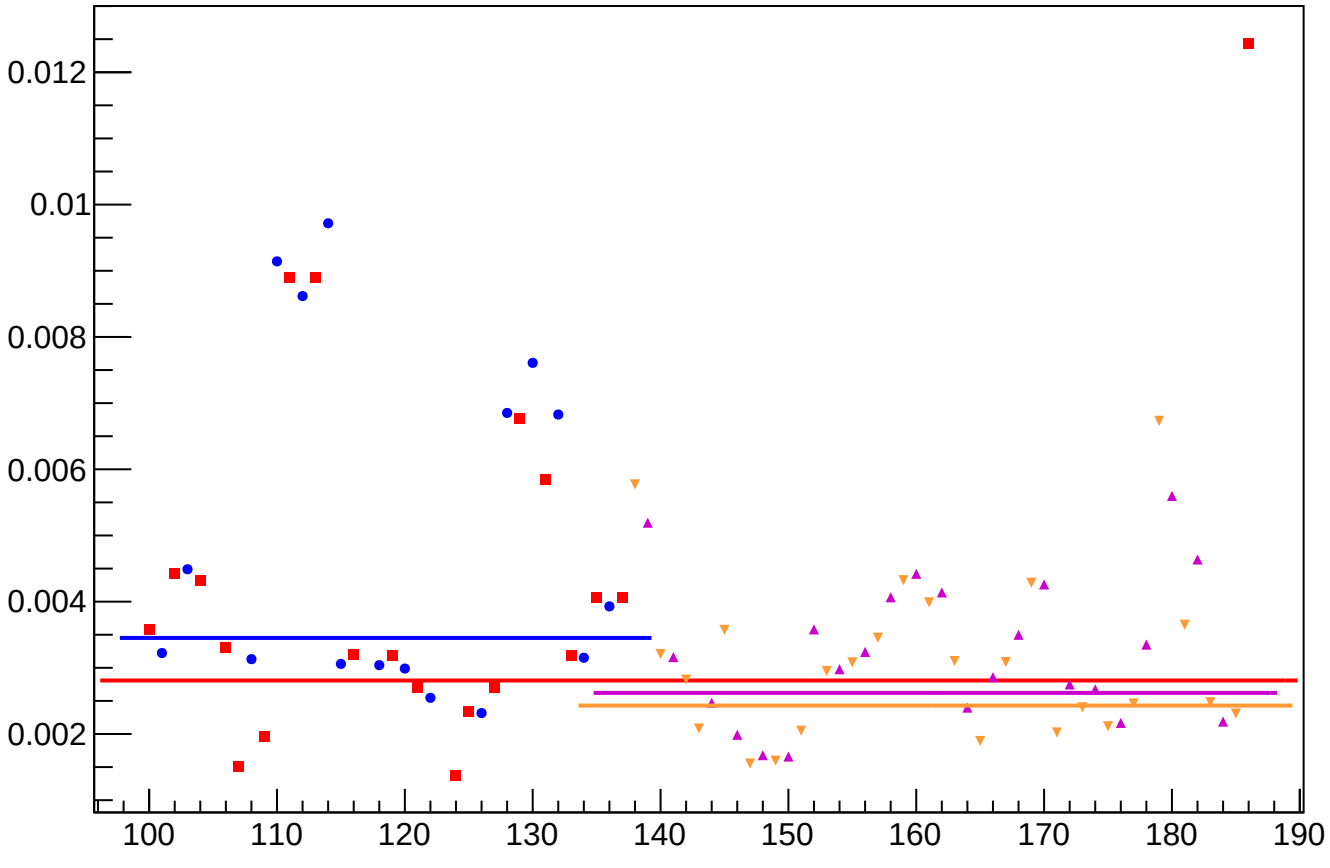
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 41.3/35

In: 0.000+/-0.000 χ^2/NDF:42.1/38

Out: 0.000+/-0.000 χ^2/NDF:58.1/44

All: 0.000+/-0.000 χ^2/NDF: 100.2/83



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

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

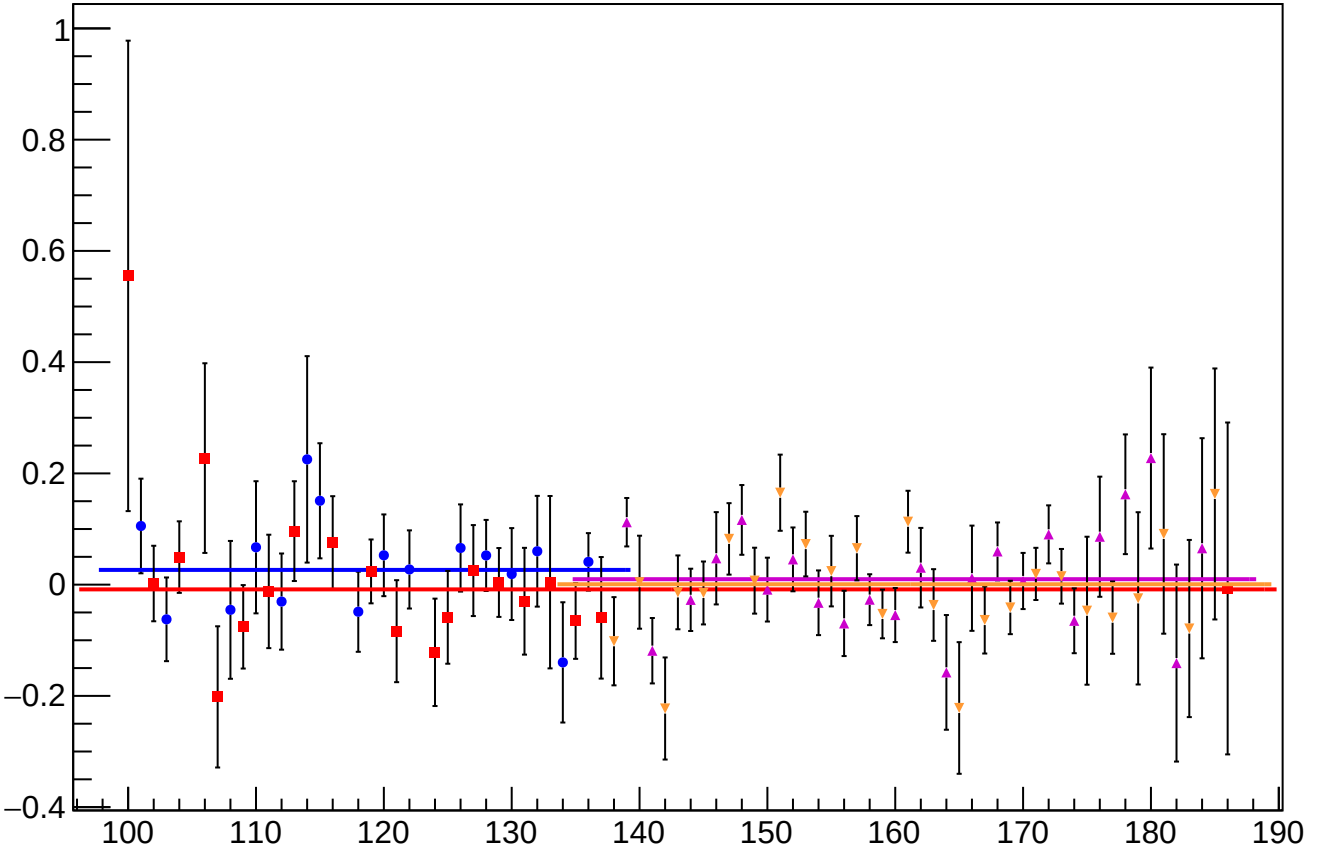
Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

Right: 0.003+/-0.000 χ^2/NDF: 5422356.1/35

In: 0.003+/-0.000 χ^2/NDF:6491652.2/38

Out: 0.003+/-0.000 χ^2/NDF:7606573.7/44

All: 0.003+/-0.000 χ^2/NDF: 14322074.6/83



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

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

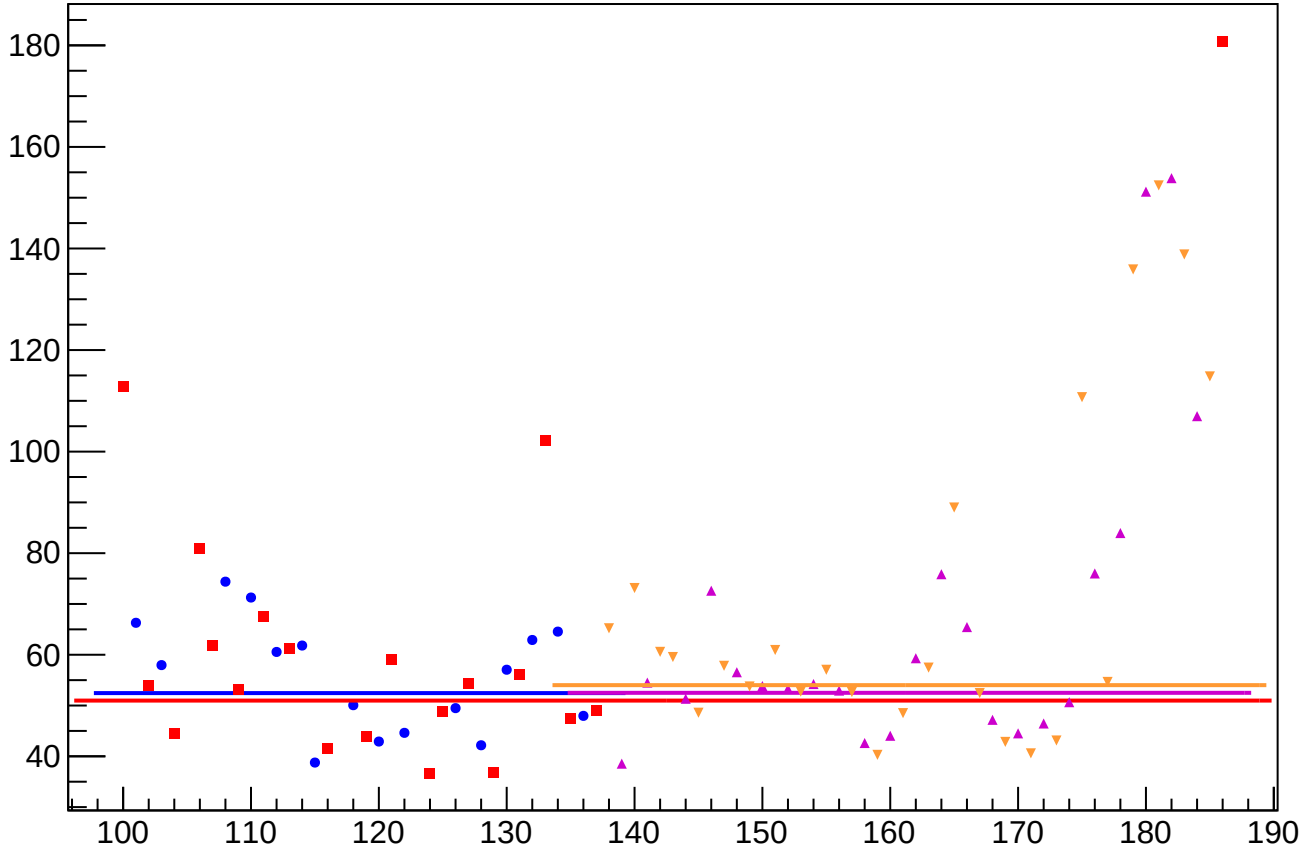
Right: 0.008+/-0.014 χ^2/NDF: 25.4/35

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.3/83

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 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

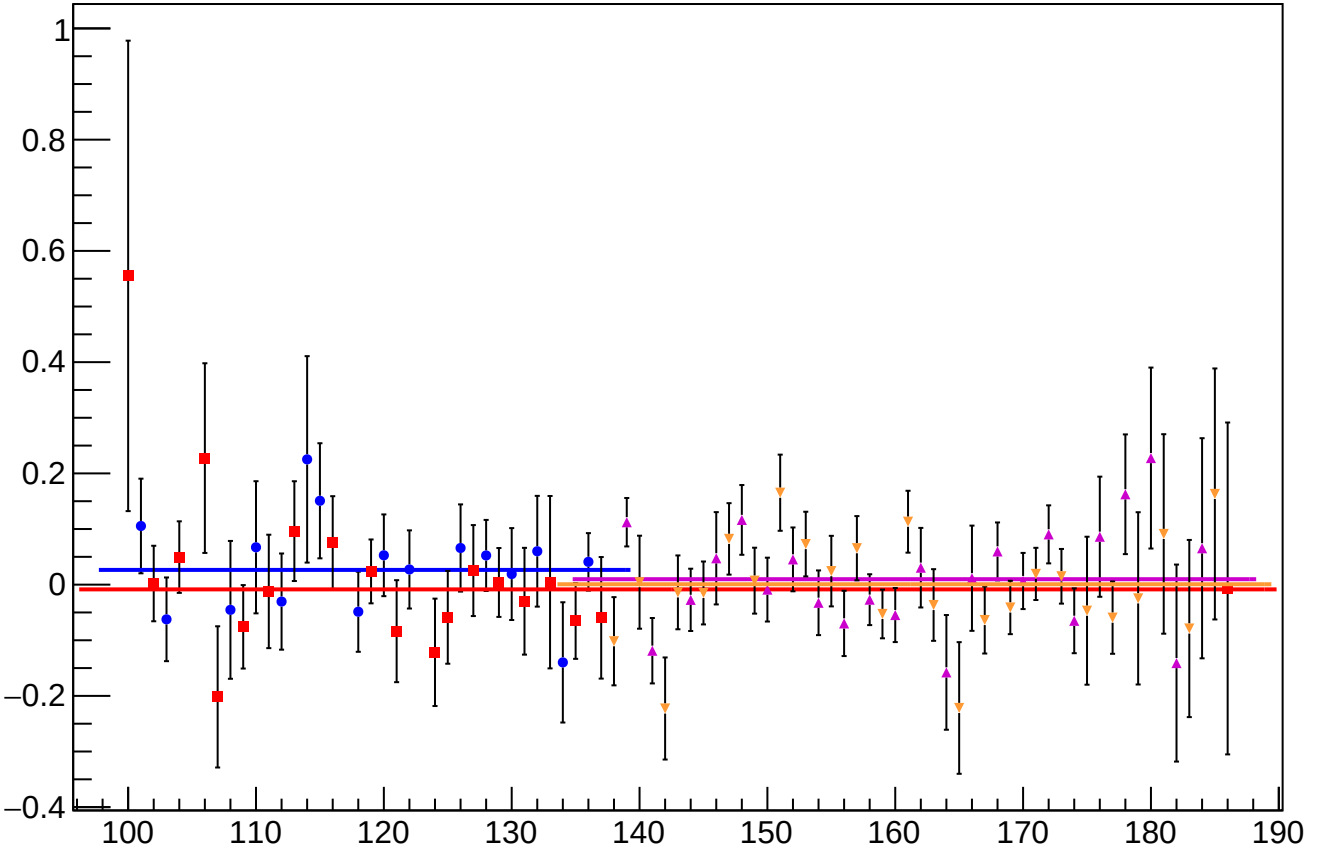
Right: 51.677+/-0.010 χ^2/NDF: 1480044.0/35

In: 52.487+/-0.008 χ^2/NDF:2975782.4/38

Out: 53.051+/-0.008 χ^2/NDF:4317581.3/44

All: 52.773+/-0.006 χ^2/NDF: 7295988.8/83

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.001+/-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

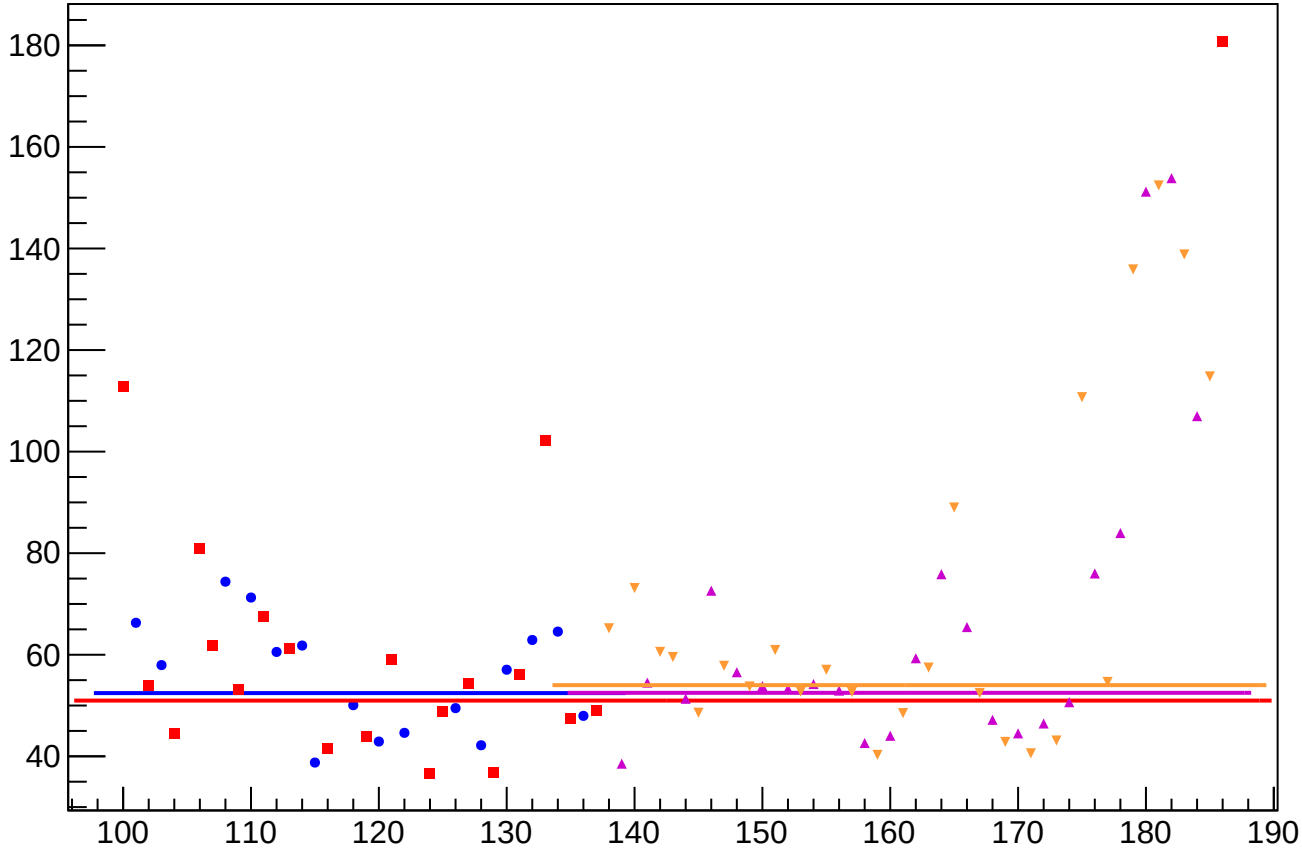
Right: 0.008+/-0.014 χ^2/NDF: 25.4/35

In: 0.015+/-0.011 χ^2/NDF:42.3/38

Out: -0.002+/-0.011 χ^2/NDF:45.8/44

All: 0.006+/-0.008 χ^2/NDF: 89.3/83

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 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

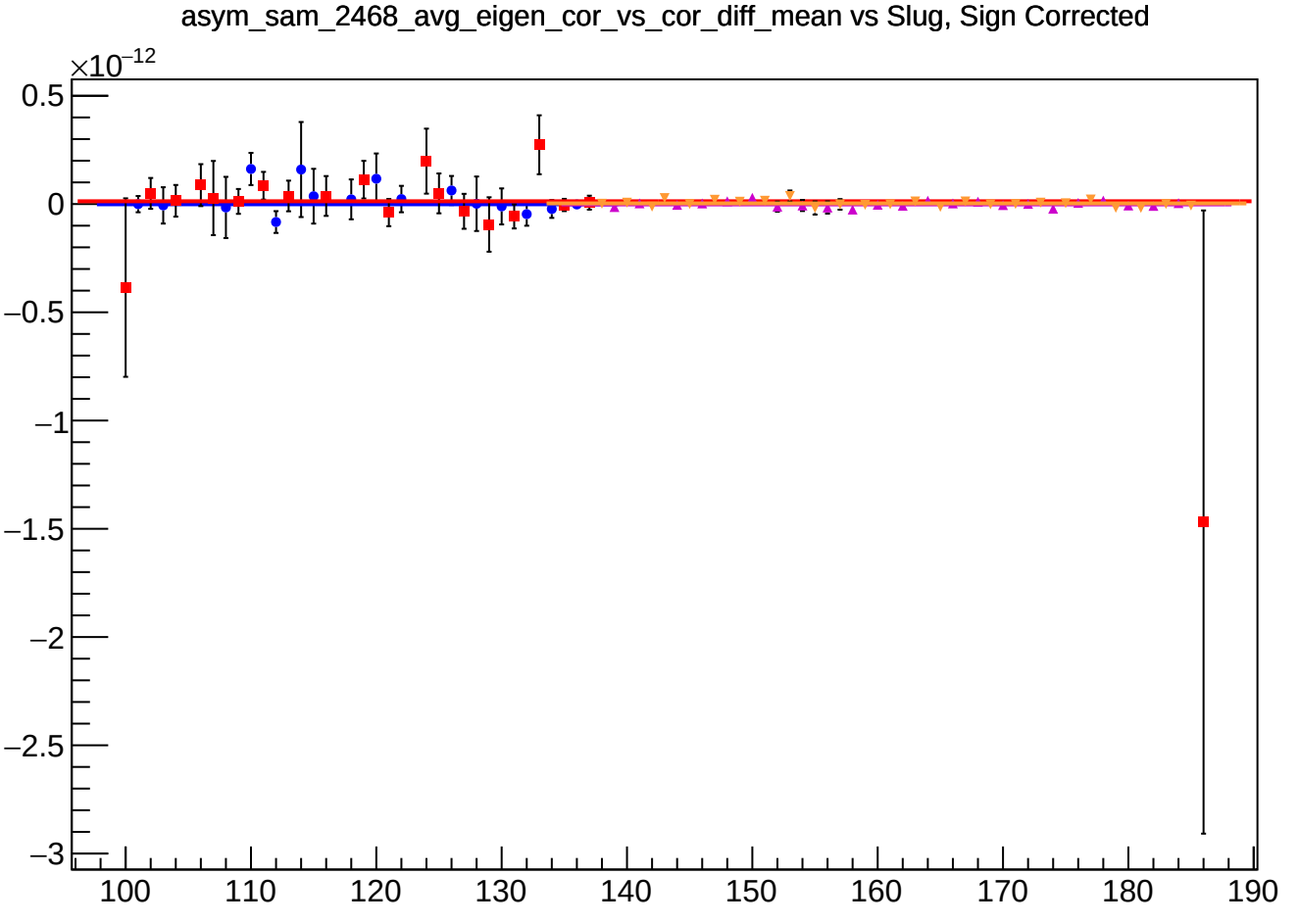
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

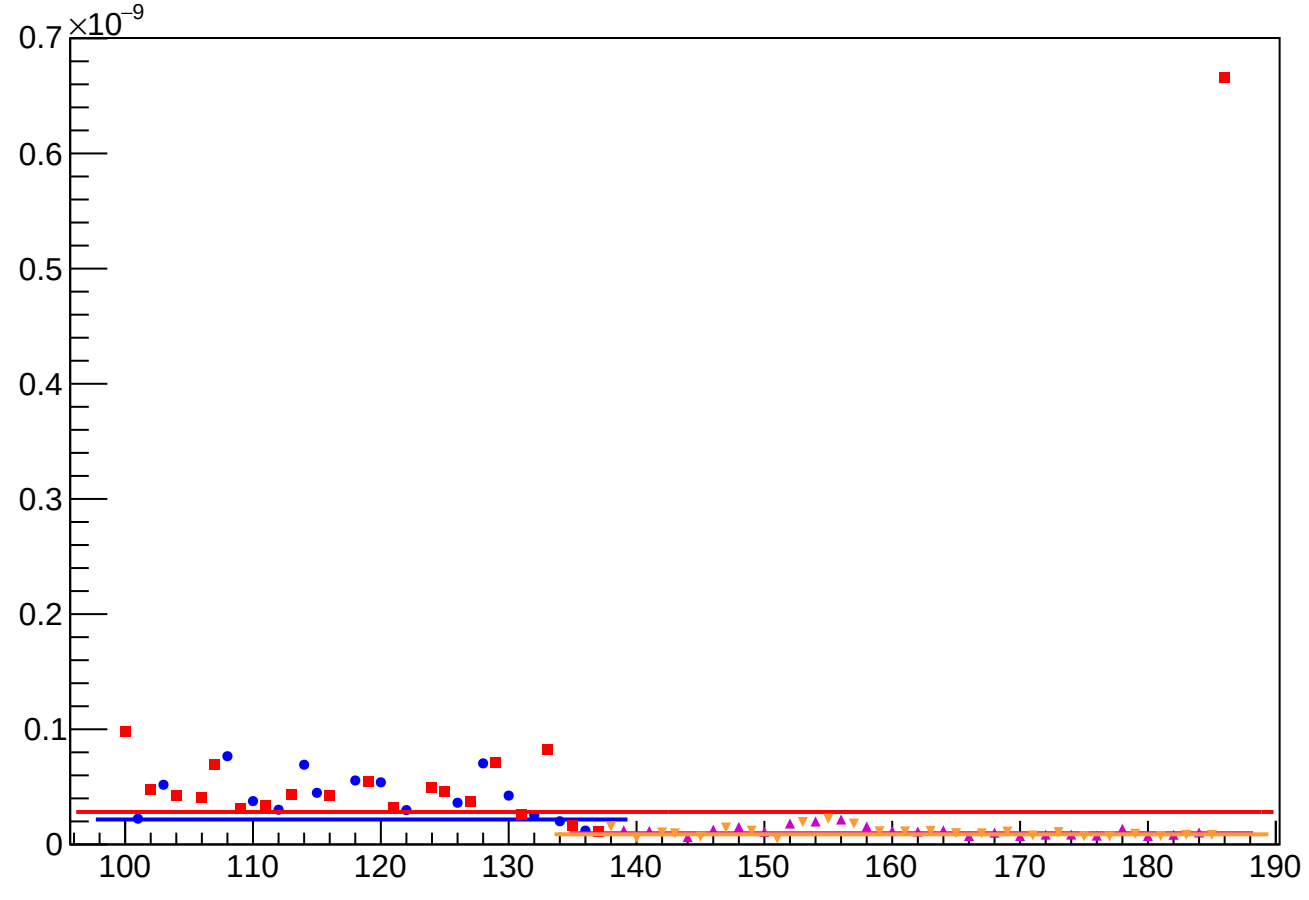
Right: 51.677+/-0.010 χ^2/NDF: 1480044.0/35

In: 52.487+/-0.008 χ^2/NDF:2975782.4/38

Out: 53.051+/-0.008 χ^2/NDF:4317581.3/44

All: 52.773+/-0.006 χ^2/NDF: 7295988.8/83


asym_sam_2468_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:21.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.7/19
Left In: -0.000+/-0.000 χ²/NDF:15.3/22
Left: 0.000+/-0.000 χ²/NDF: 38.5/47
Right: 0.000+/-0.000 χ²/NDF: 26.5/35
In: -0.000+/-0.000 χ²/NDF:26.5/38
Out: 0.000+/-0.000 χ²/NDF:37.0/44
All: 0.000+/-0.000 χ²/NDF: 65.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2774636.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

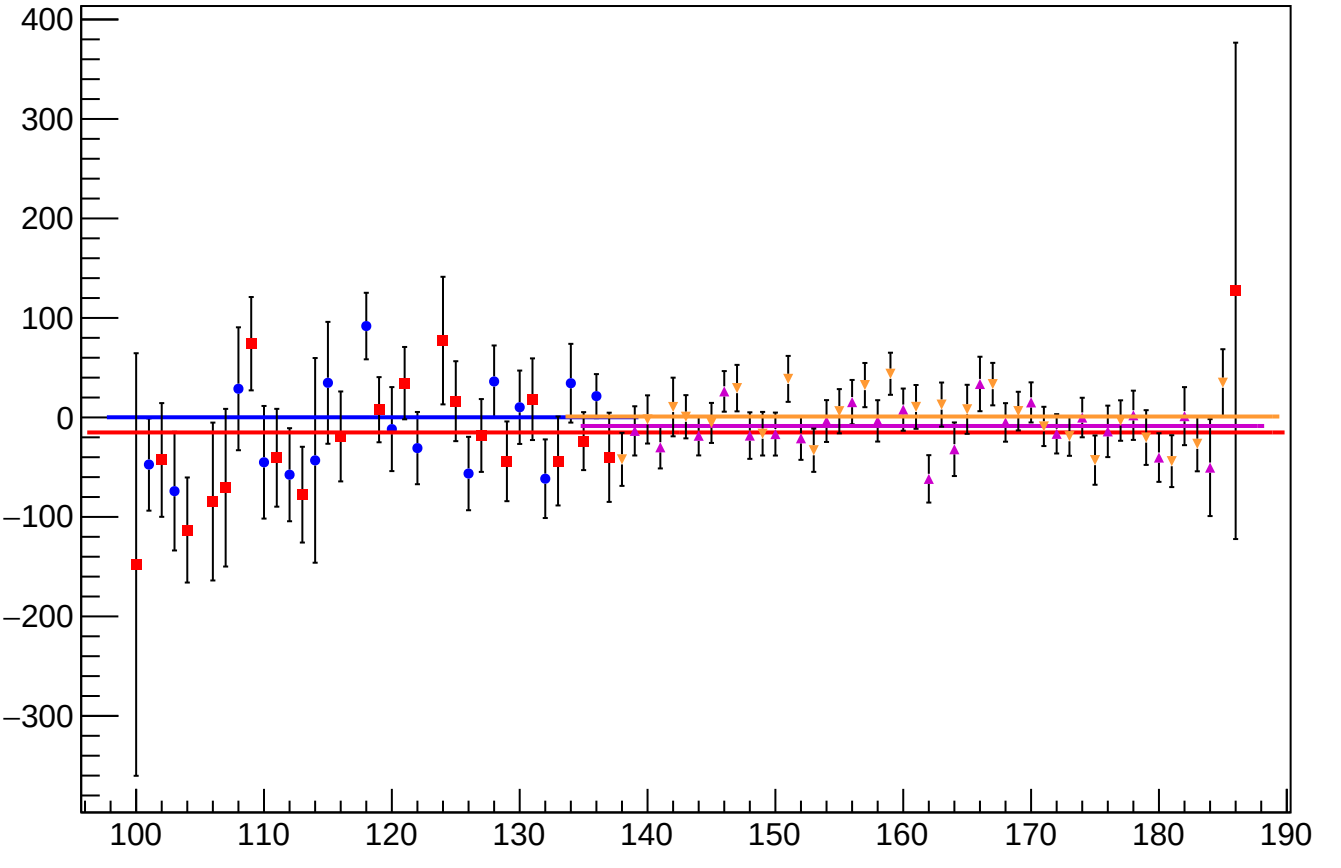
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5539060.7/35

In: 0.000+/-0.000 χ^2/NDF:6723020.6/38

Out: 0.000+/-0.000 χ^2/NDF:8760356.4/44

All: 0.000+/-0.000 χ^2/NDF: 15606678.5/83



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

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

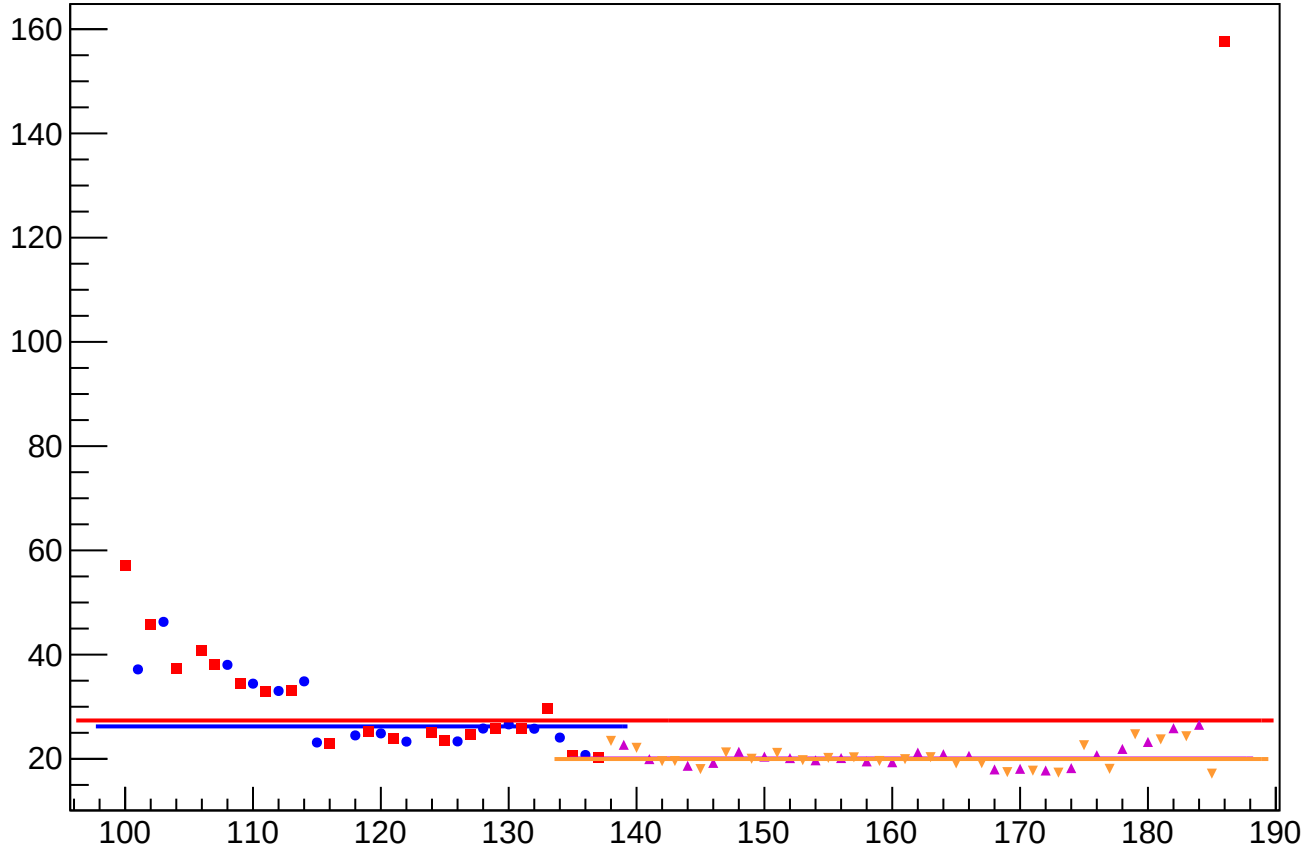
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -7.310+/-7.178 χ^2/NDF: 40.7/35

In: -7.016+/-4.275 χ^2/NDF:41.3/38

Out: -1.738+/-4.178 χ^2/NDF:49.5/44

All: -4.316+/-2.988 χ^2/NDF: 91.6/83



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

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

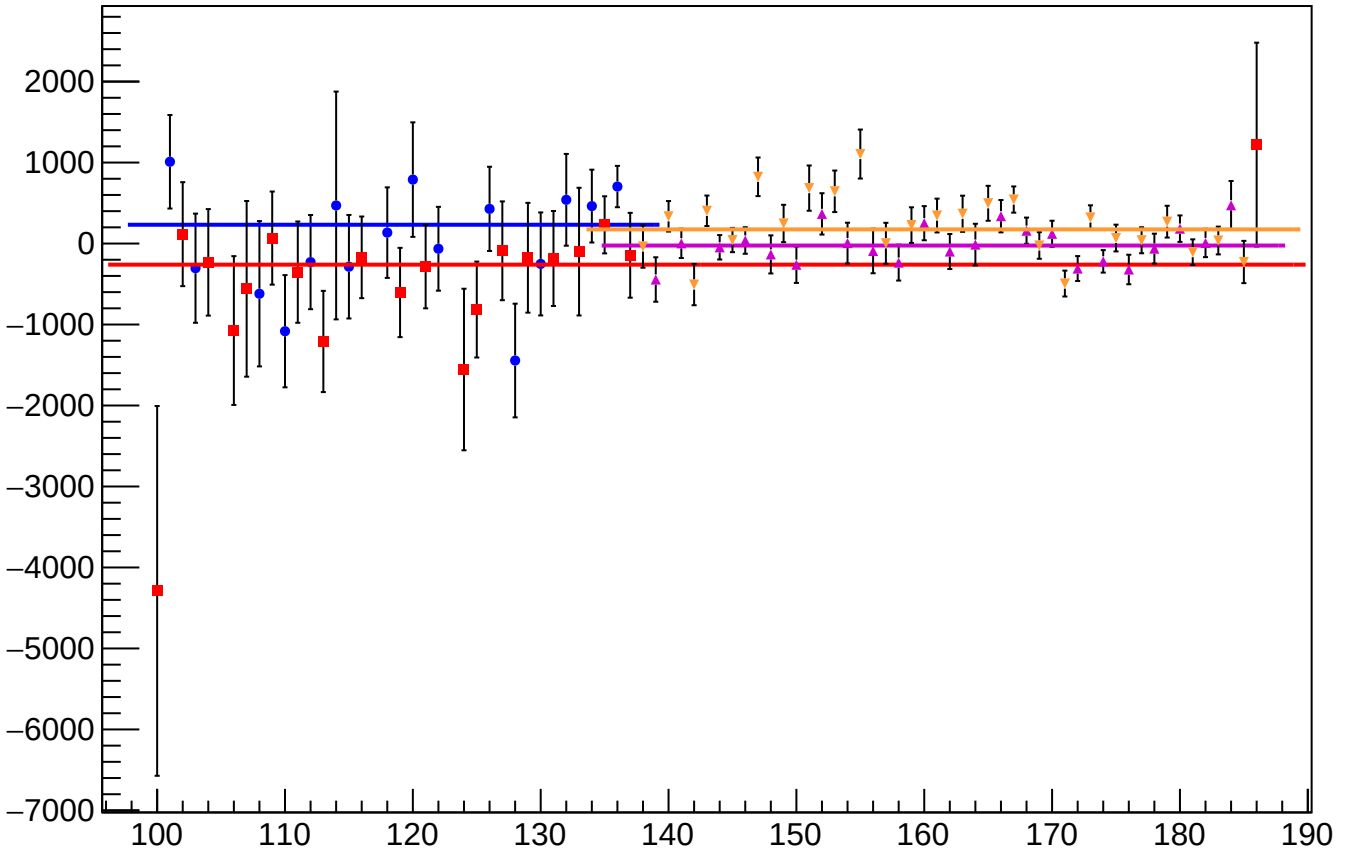
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 26.785+/-0.005 χ^2/NDF: 1990203.1/35

In: 21.186+/-0.003 χ^2/NDF:1592294.2/38

Out: 21.195+/-0.003 χ^2/NDF:2555902.9/44

All: 21.191+/-0.002 χ^2/NDF: 4148201.6/83



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

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

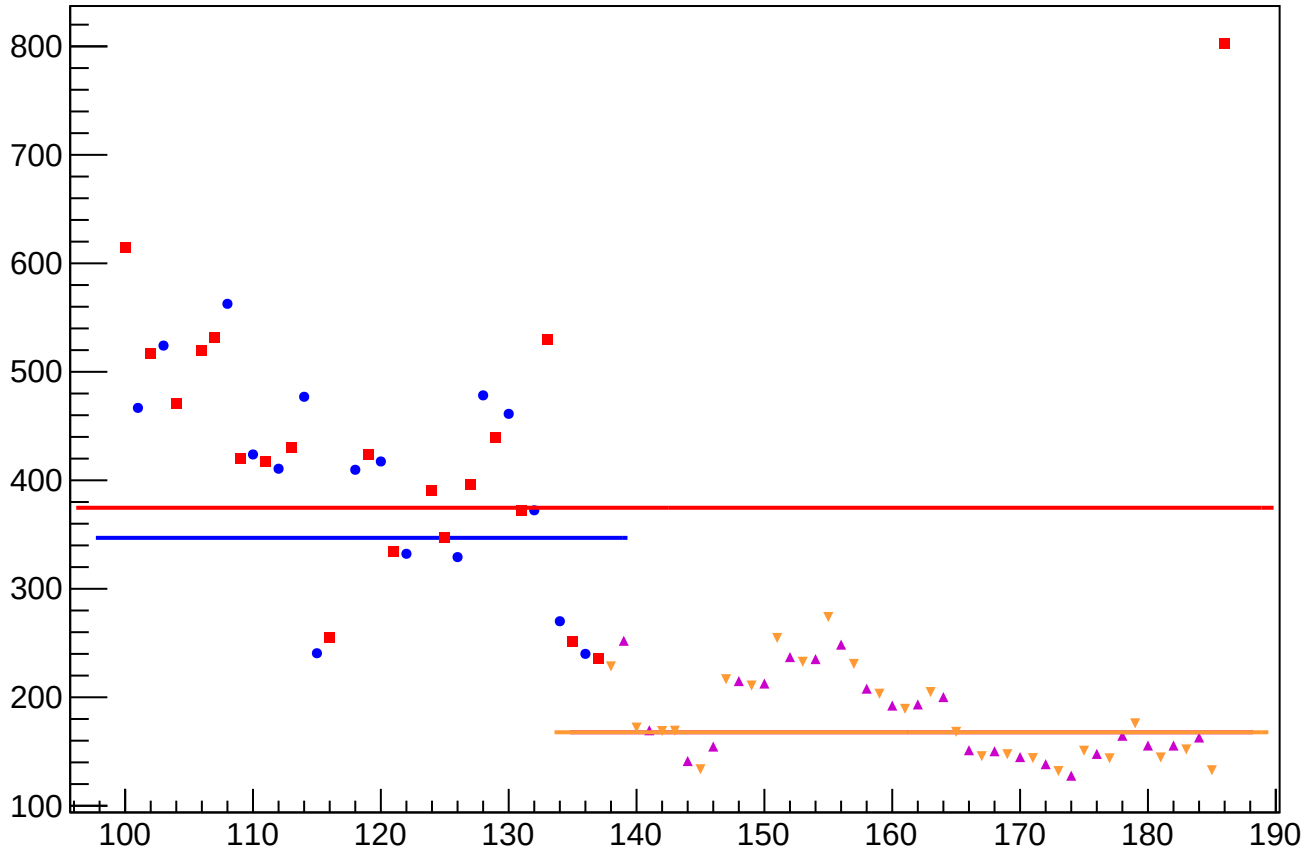
Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

Right: -6.692+/-96.831 χ^2/NDF: 39.6/35

In: -3.770+/-38.411 χ^2/NDF:49.9/38

Out: 142.889+/-37.596 χ^2/NDF:93.8/44

All: 71.132+/-26.868 χ^2/NDF: 151.1/83



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

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

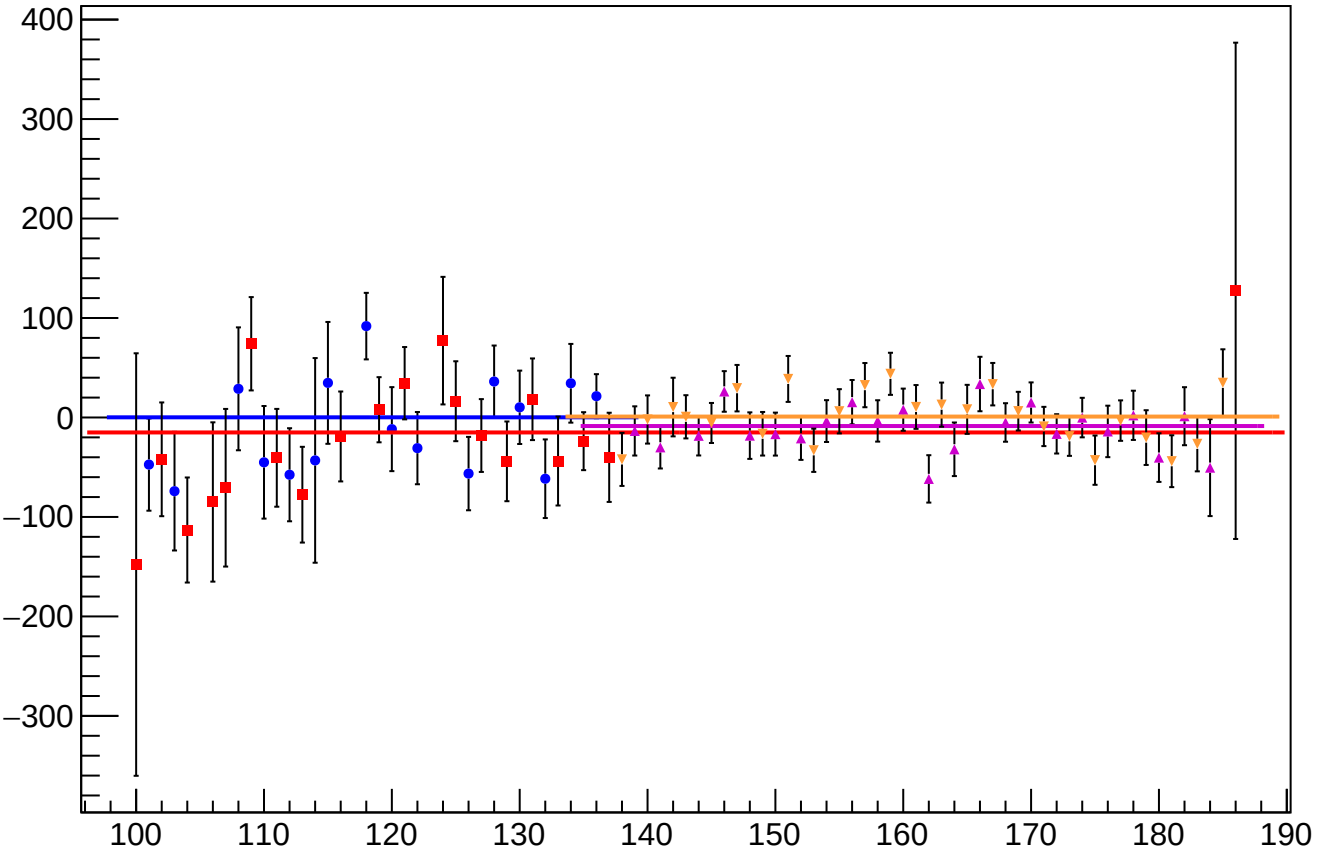
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 360.406+/-0.068 χ^2/NDF: 2251736.3/35

In: 182.285+/-0.027 χ^2/NDF:5706303.7/38

Out: 182.870+/-0.027 χ^2/NDF:6833946.2/44

All: 182.584+/-0.019 χ^2/NDF: 12540487.2/83



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

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

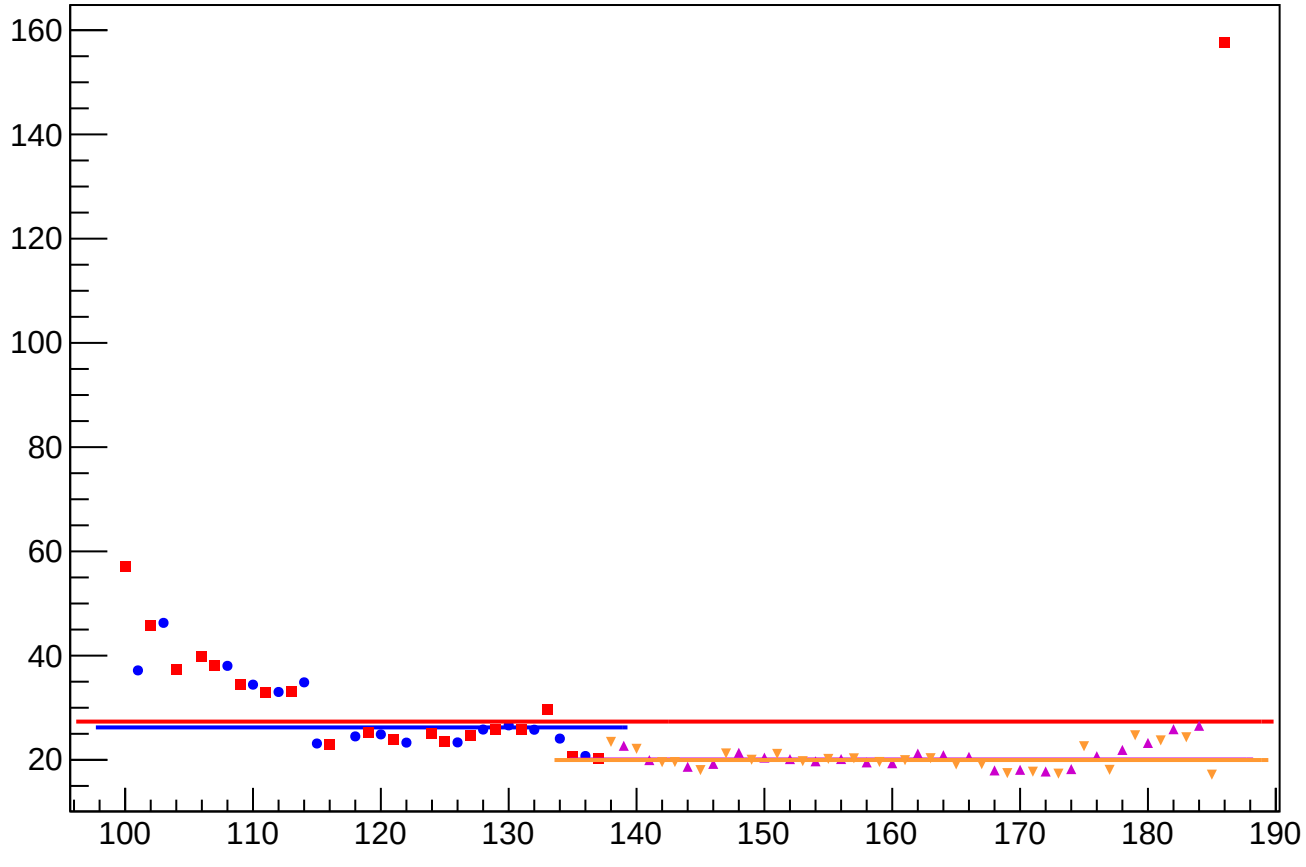
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.288+/-7.179 χ^2/NDF: 40.7/35

In: -7.015+/-4.275 χ^2/NDF:41.3/38

Out: -1.732+/-4.178 χ^2/NDF:49.5/44

All: -4.313+/-2.988 χ^2/NDF: 91.6/83



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

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

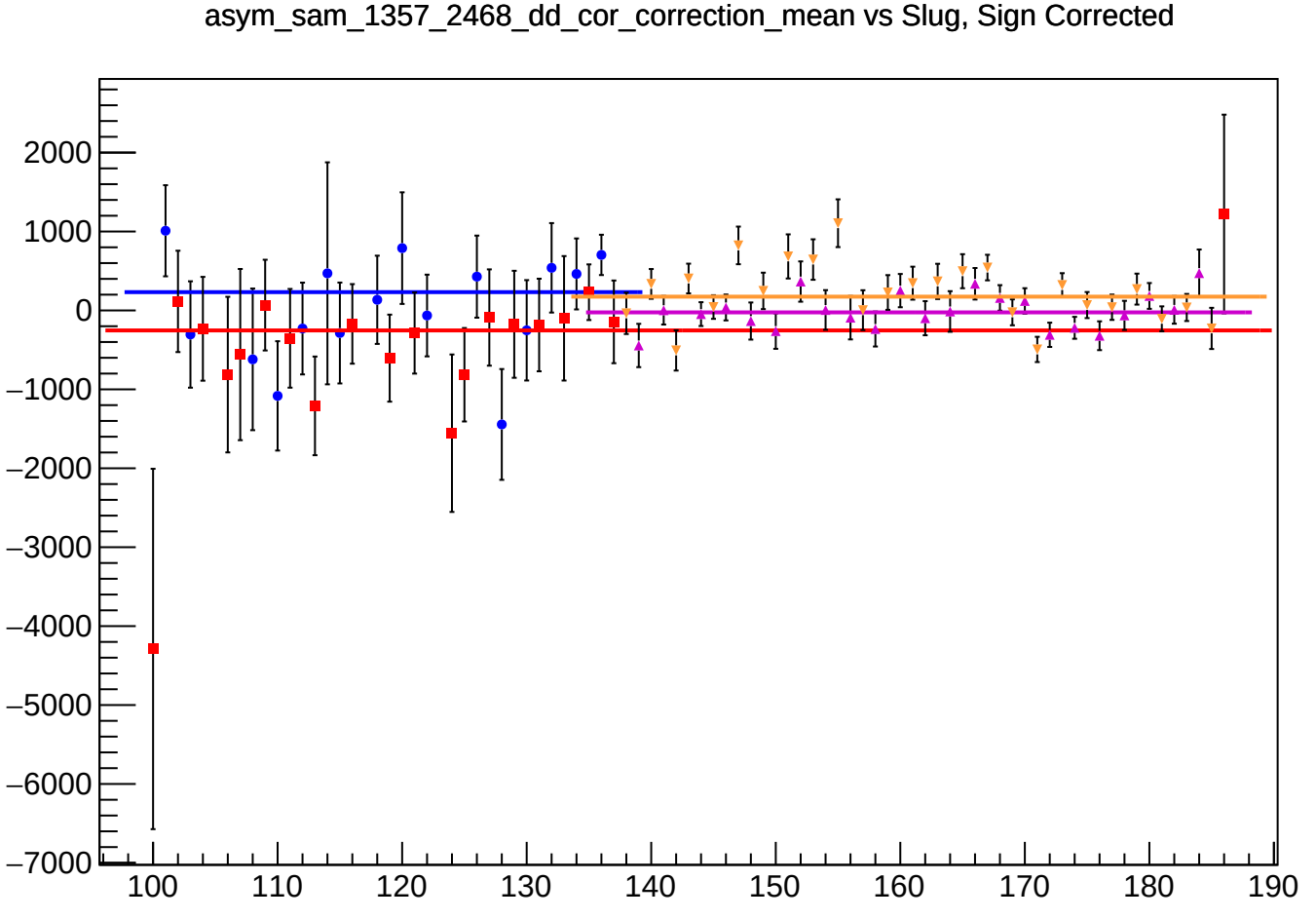
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 26.774+/-0.005 χ^2/NDF: 1980166.1/35

In: 21.186+/-0.003 χ^2/NDF:1592297.6/38

Out: 21.191+/-0.003 χ^2/NDF:2540996.5/44

All: 21.189+/-0.002 χ^2/NDF: 4133295.5/83



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

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

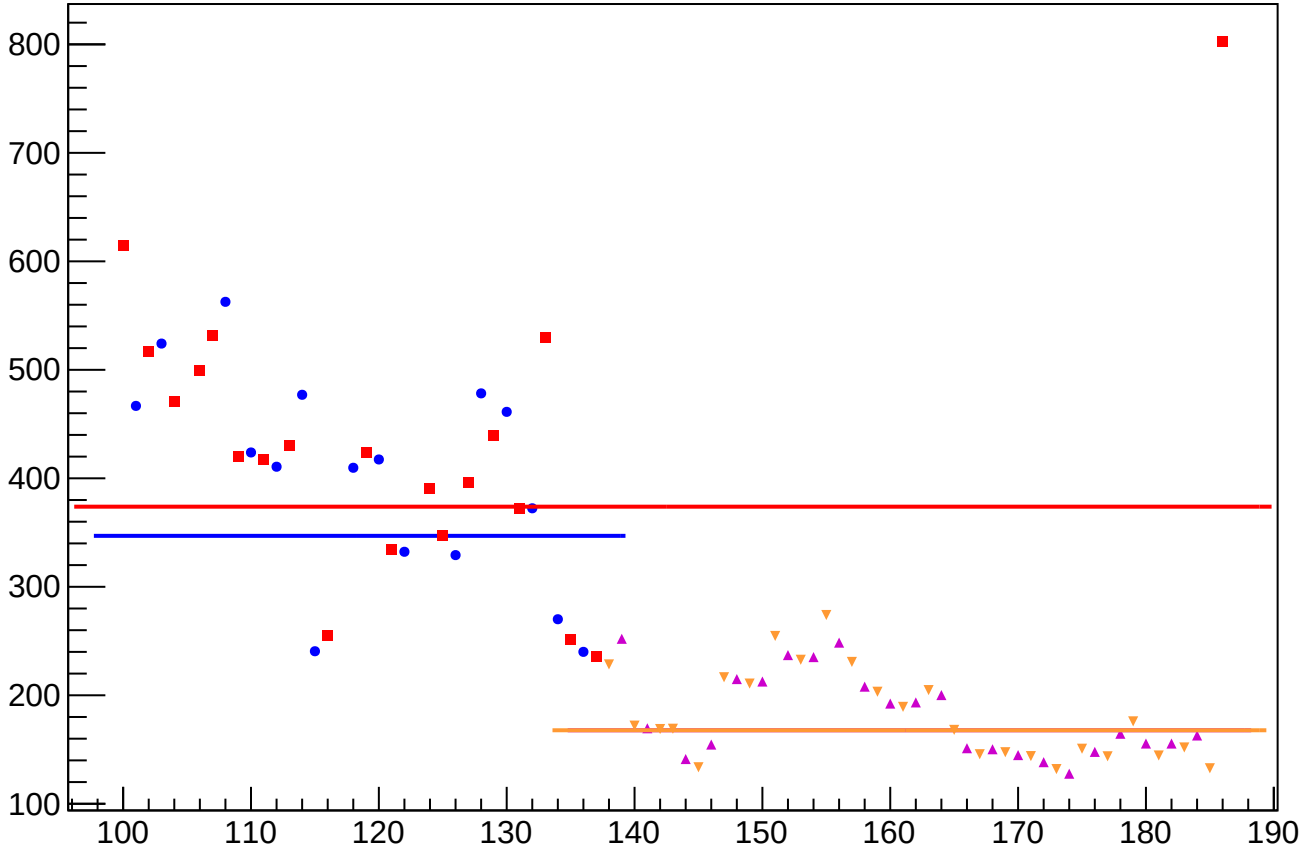
Right: -2.645+/-96.903 χ^2/NDF: 38.9/35

In: -3.771+/-38.411 χ^2/NDF:49.9/38

Out: 143.531+/-37.600 χ^2/NDF:93.0/44

All: 71.451+/-26.869 χ^2/NDF: 150.3/83

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 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

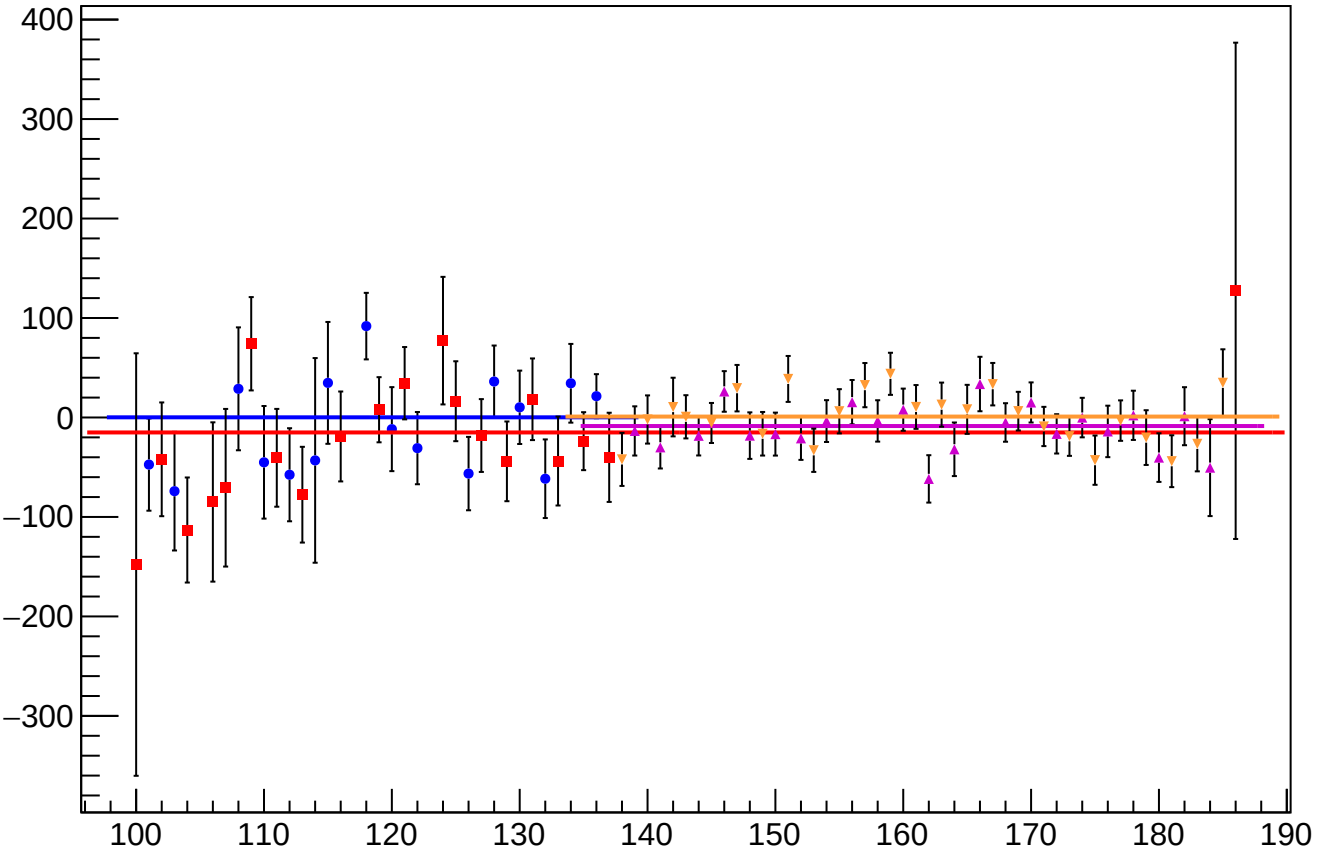
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 359.978+/-0.069 χ^2/NDF: 2231553.7/35

In: 182.285+/-0.027 χ^2/NDF:5706319.1/38

Out: 182.766+/-0.027 χ^2/NDF:6771435.9/44

All: 182.531+/-0.019 χ^2/NDF: 12477915.4/83



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

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

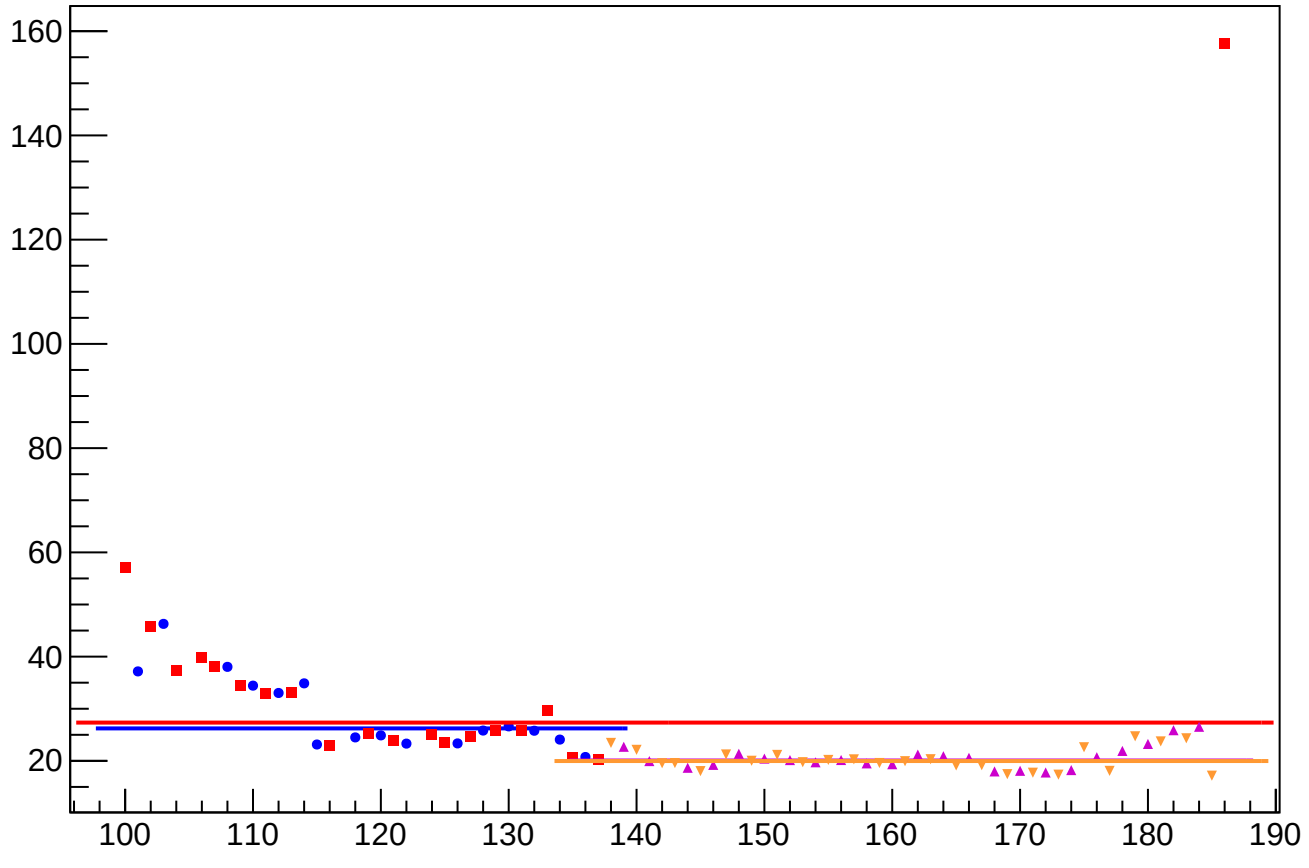
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -7.288+/-7.179 χ^2/NDF: 40.7/35

In: -7.015+/-4.275 χ^2/NDF:41.3/38

Out: -1.732+/-4.178 χ^2/NDF:49.5/44

All: -4.313+/-2.988 χ^2/NDF: 91.6/83



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

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

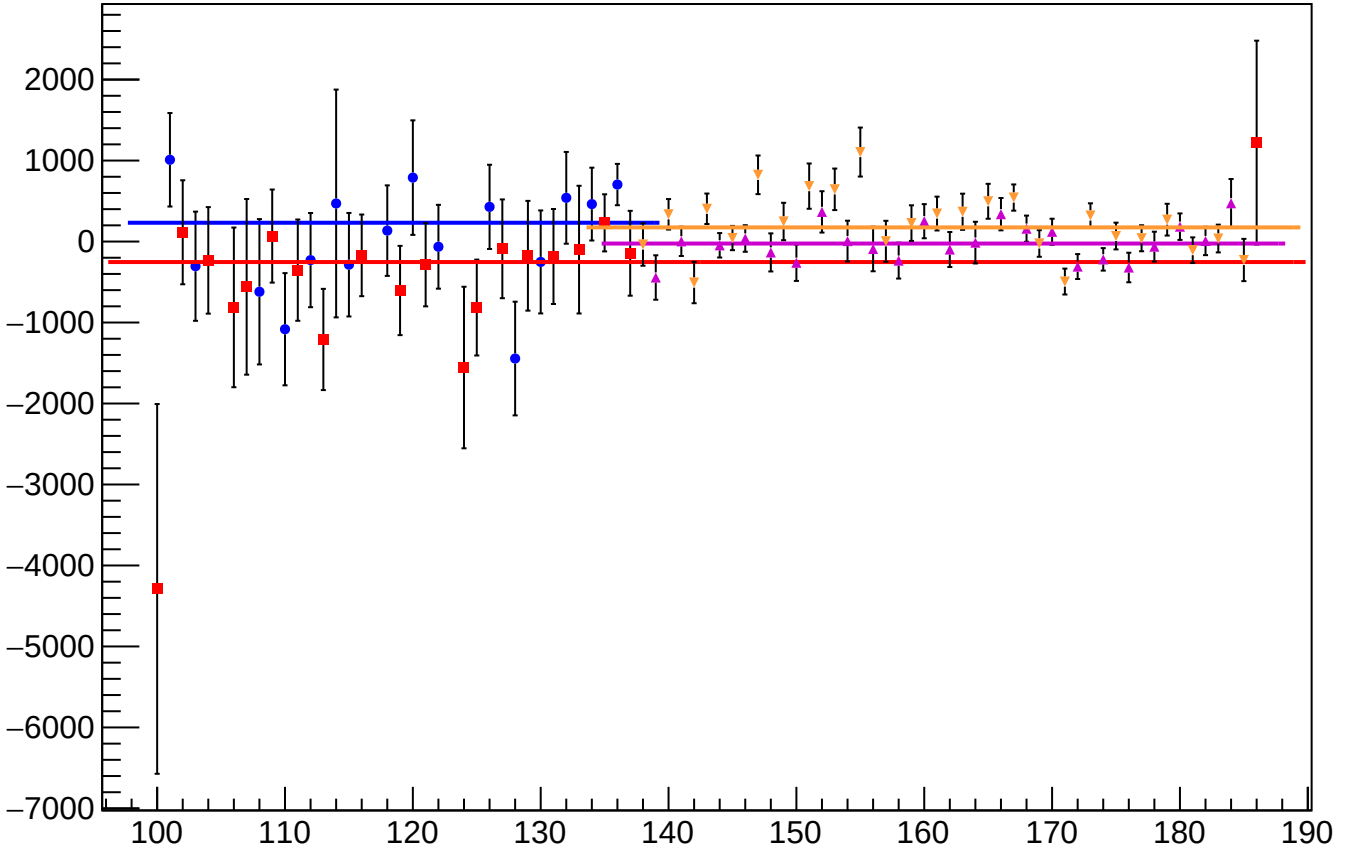
Right: 26.774+/-0.005 χ^2/NDF: 1980166.1/35

In: 21.186+/-0.003 χ^2/NDF:1592297.6/38

Out: 21.191+/-0.003 χ^2/NDF:2540996.5/44

All: 21.189+/-0.002 χ^2/NDF: 4133295.5/83

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 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

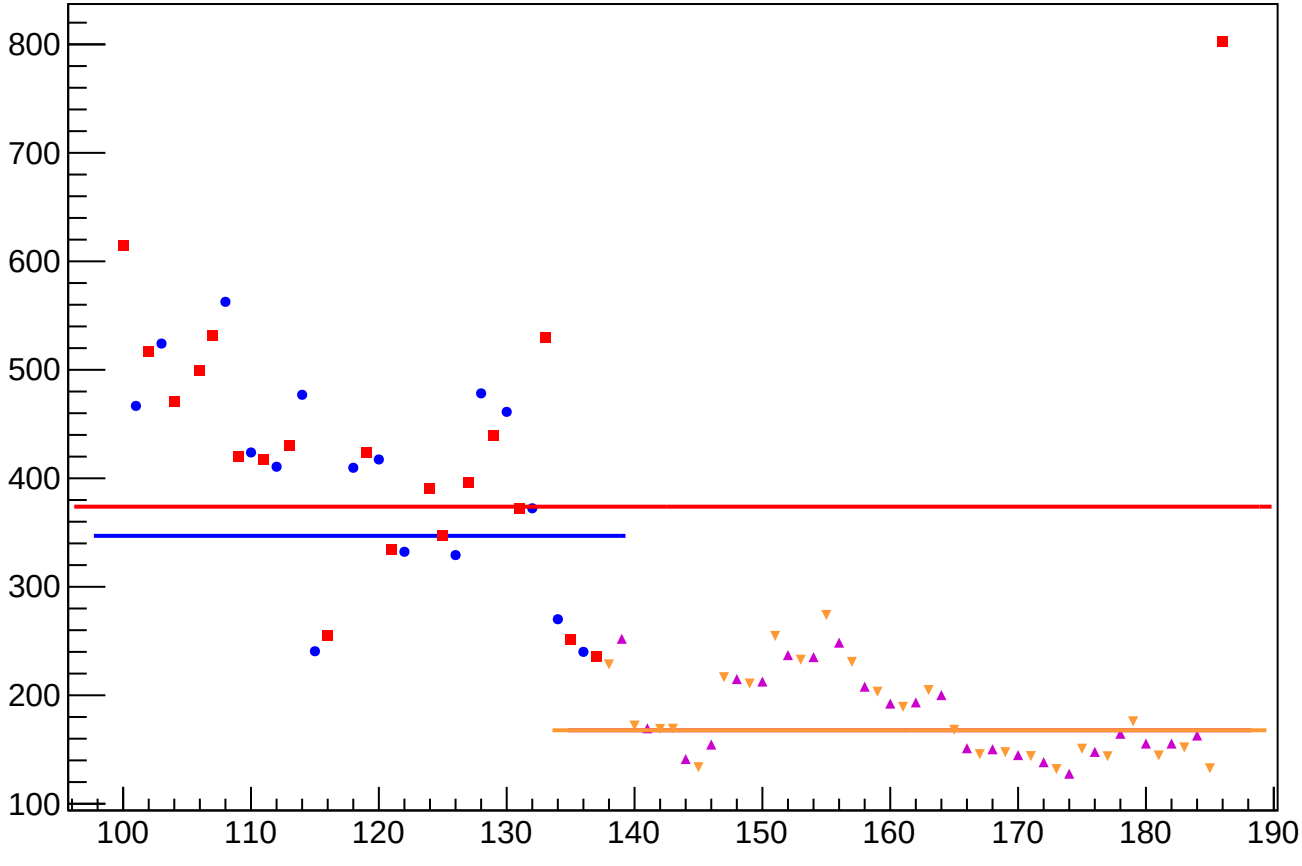
Right: -2.645+/-96.903 χ^2/NDF: 38.9/35

In: -3.771+/-38.411 χ^2/NDF:49.9/38

Out: 143.531+/-37.600 χ^2/NDF:93.0/44

All: 71.451+/-26.869 χ^2/NDF: 150.3/83

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 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

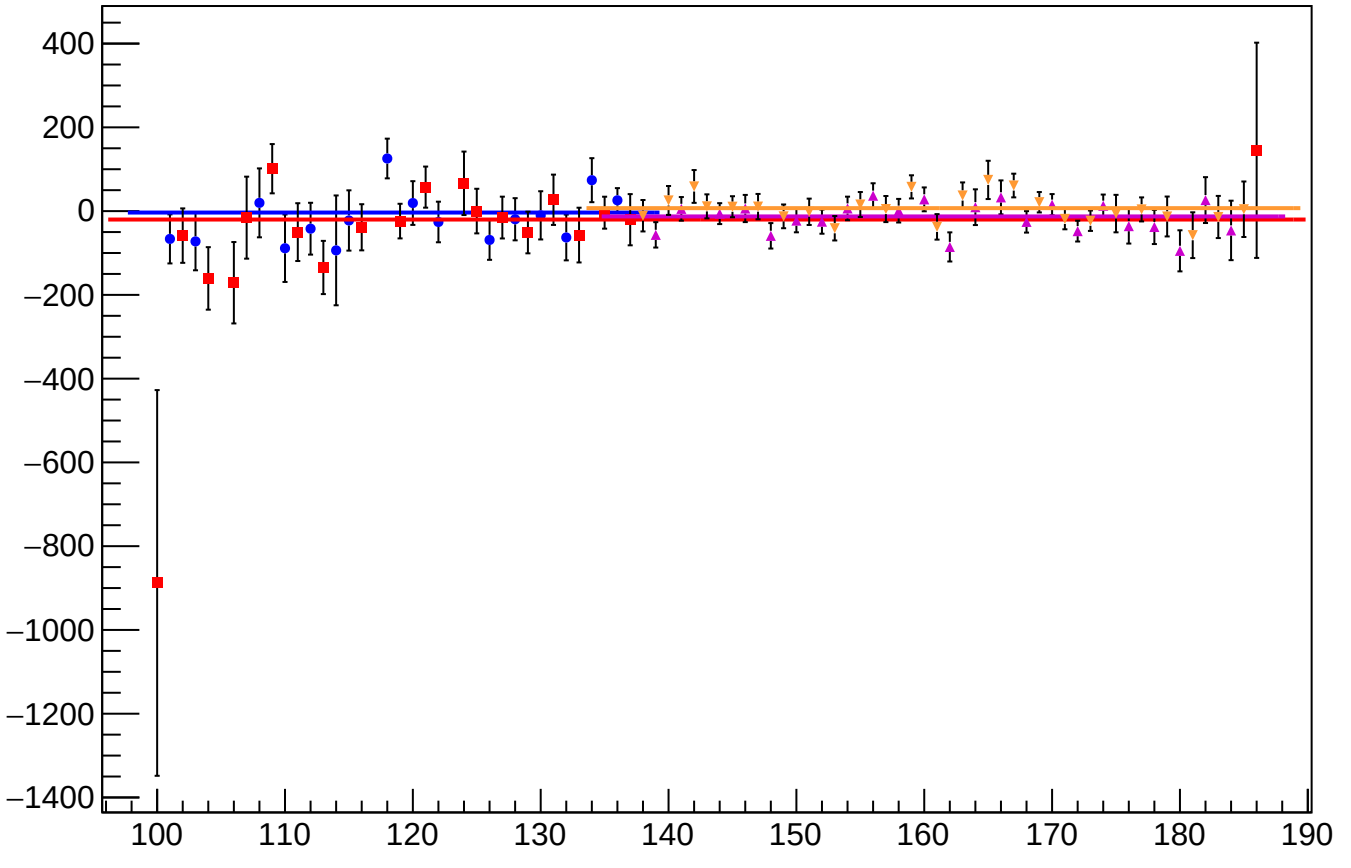
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 359.978+/-0.069 χ^2/NDF: 2231553.7/35

In: 182.285+/-0.027 χ^2/NDF:5706319.1/38

Out: 182.766+/-0.027 χ^2/NDF:6771435.9/44

All: 182.531+/-0.019 χ^2/NDF: 12477915.4/83



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

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

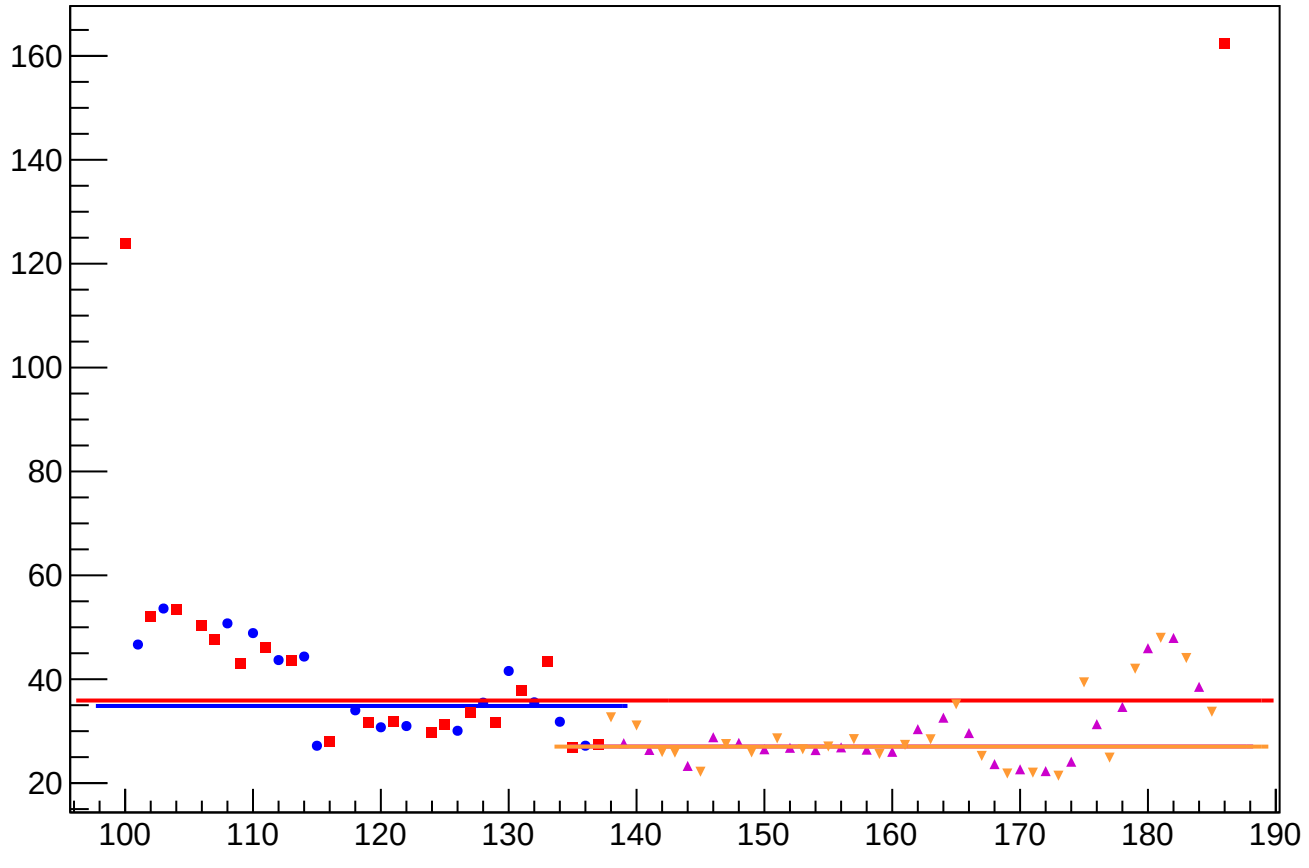
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -11.729+/-9.492 χ^2/NDF: 42.8/35

In: -10.923+/-5.857 χ^2/NDF:44.5/38

Out: 2.148+/-5.730 χ^2/NDF:49.6/44

All: -4.244+/-4.096 χ^2/NDF: 96.6/83



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

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

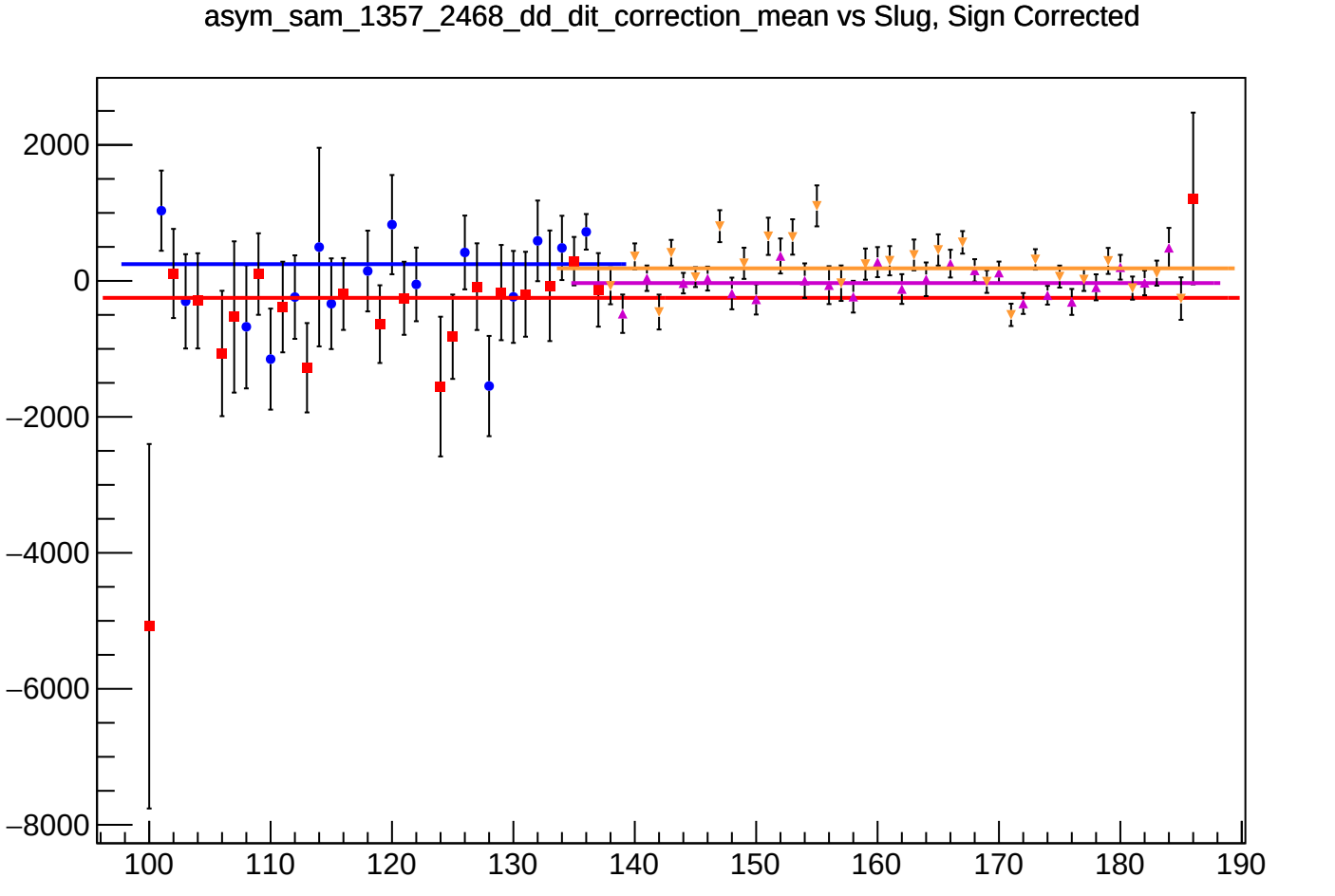
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 35.373+/-0.007 χ^2/NDF: 1929908.5/35

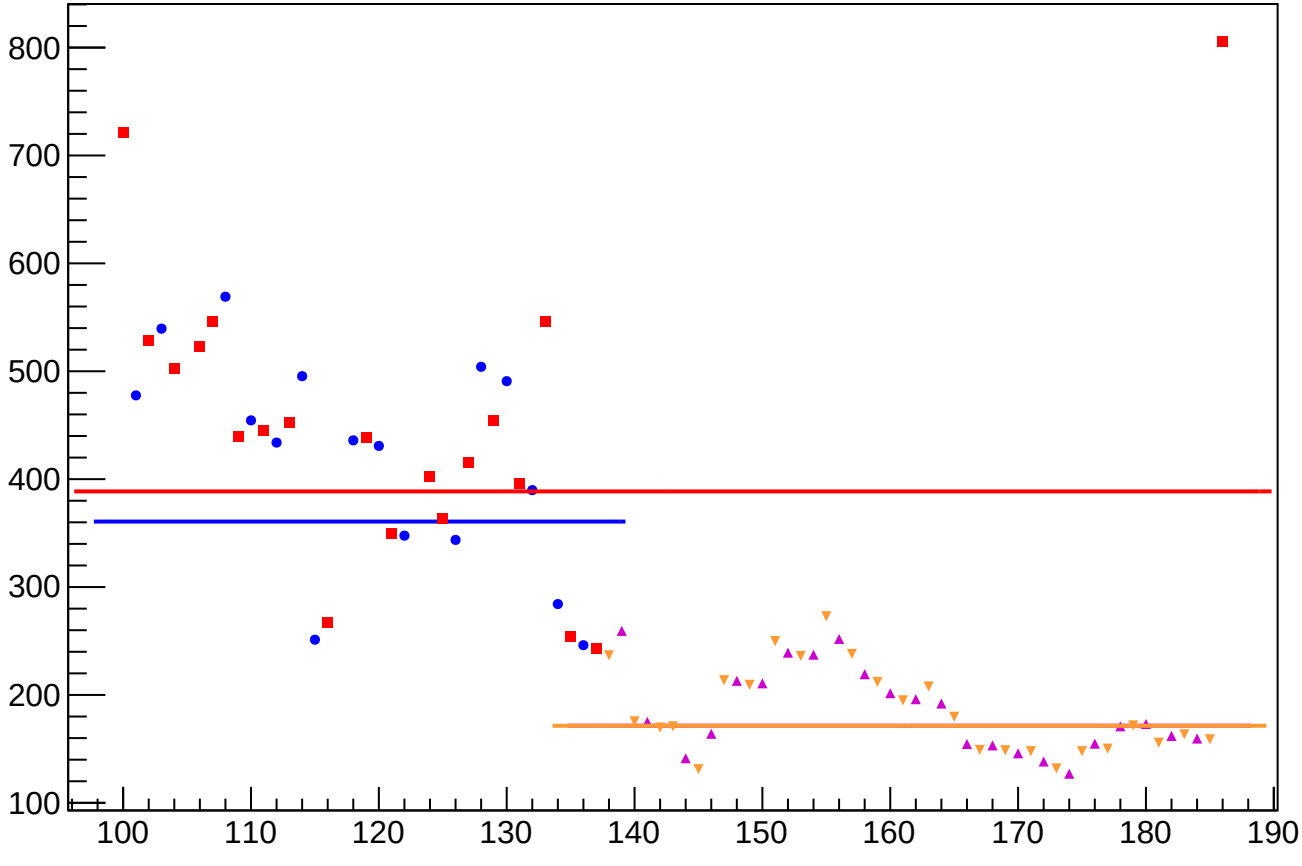
In: 28.544+/-0.004 χ^2/NDF:2250919.5/38

Out: 28.636+/-0.004 χ^2/NDF:3408297.9/44

All: 28.591+/-0.003 χ^2/NDF: 5659468.3/83


asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 246.507+/-140.275 χ²/NDF: 19.8/15
Left Out: 184.675+/-39.832 χ²/NDF:67.7/24
Right Out: -249.561+/-144.343 χ²/NDF: 14.0/19
Left In: -31.891+/-40.975 χ²/NDF:26.4/22
Left: 79.454+/-28.561 χ²/NDF: 108.4/47
Right: 5.562+/-100.597 χ²/NDF: 39.8/35
In: -10.004+/-39.331 χ²/NDF:49.8/38
Out: 153.947+/-38.397 χ²/NDF:90.1/44
All: 73.942+/-27.475 χ²/NDF: 148.8/83

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 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

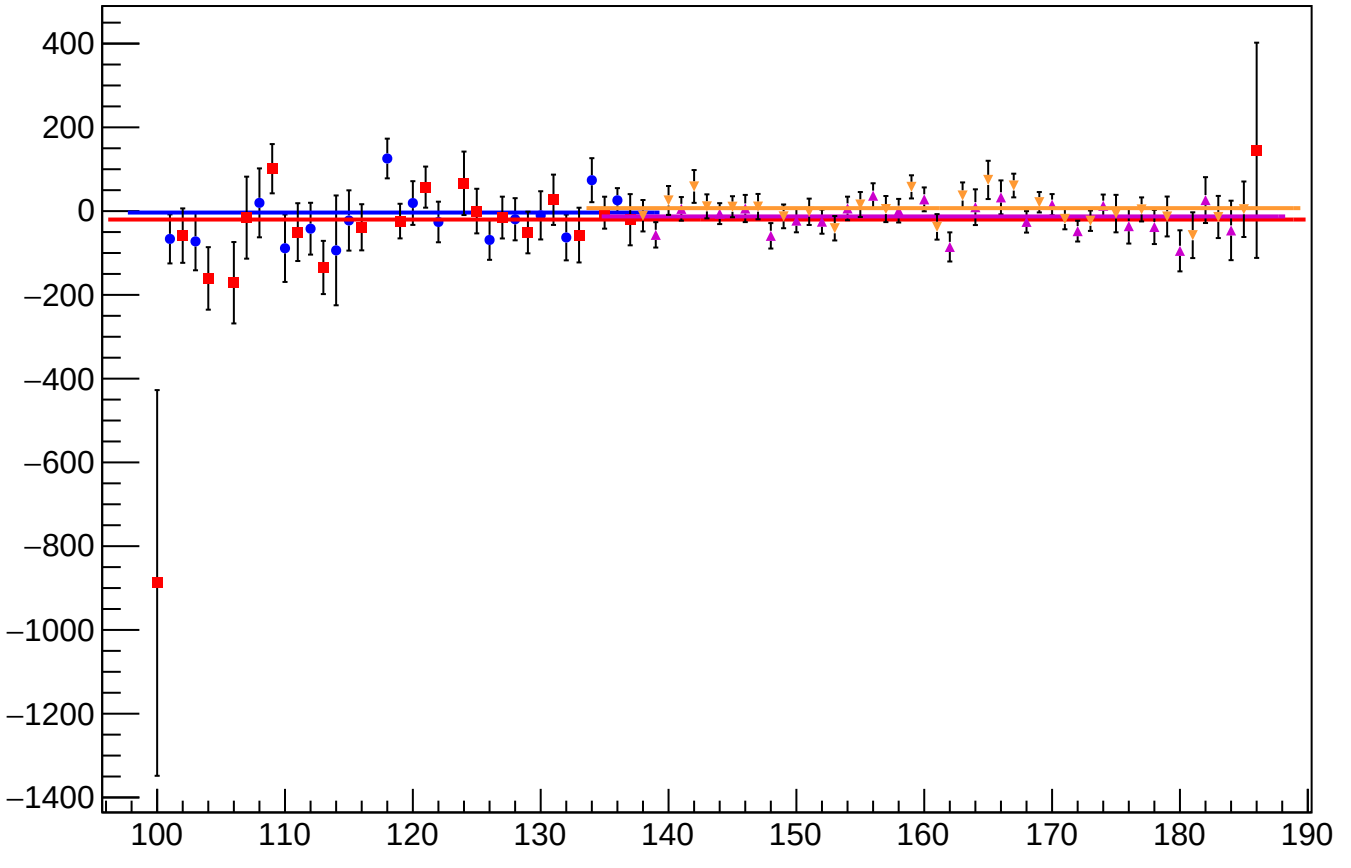
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 374.272+/-0.071 χ^2/NDF: 2315334.6/35

In: 186.364+/-0.028 χ^2/NDF:5860996.3/38

Out: 186.798+/-0.027 χ^2/NDF:6919866.6/44

All: 186.586+/-0.019 χ^2/NDF: 12780987.4/83



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

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

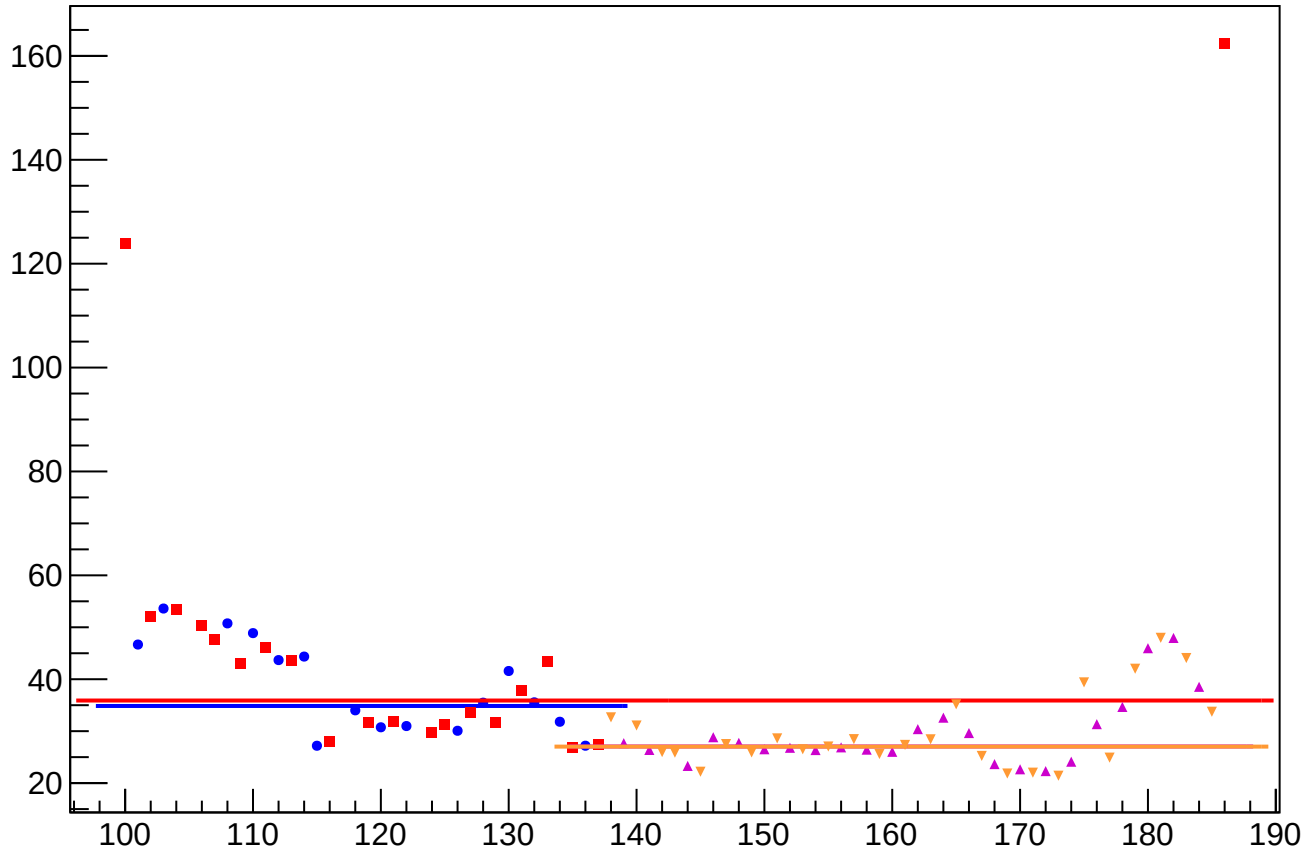
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -11.730+/-9.492 χ^2/NDF: 42.8/35

In: -10.923+/-5.857 χ^2/NDF:44.5/38

Out: 2.148+/-5.730 χ^2/NDF:49.6/44

All: -4.244+/-4.096 χ^2/NDF: 96.6/83



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

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

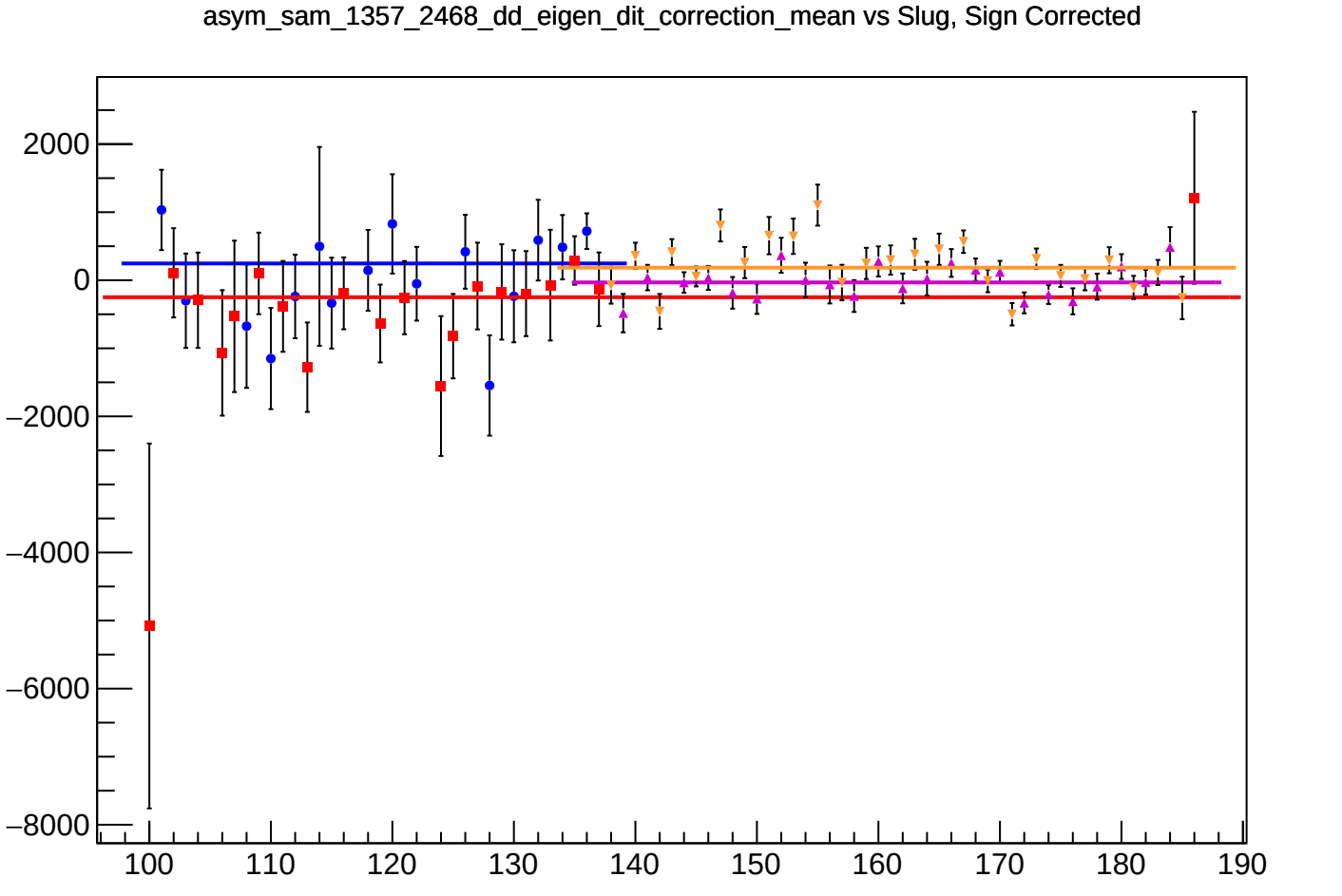
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 35.373+/-0.007 χ^2/NDF: 1929830.0/35

In: 28.544+/-0.004 χ^2/NDF:2250780.9/38

Out: 28.636+/-0.004 χ^2/NDF:3408214.6/44

All: 28.591+/-0.003 χ^2/NDF: 5659246.7/83



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

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

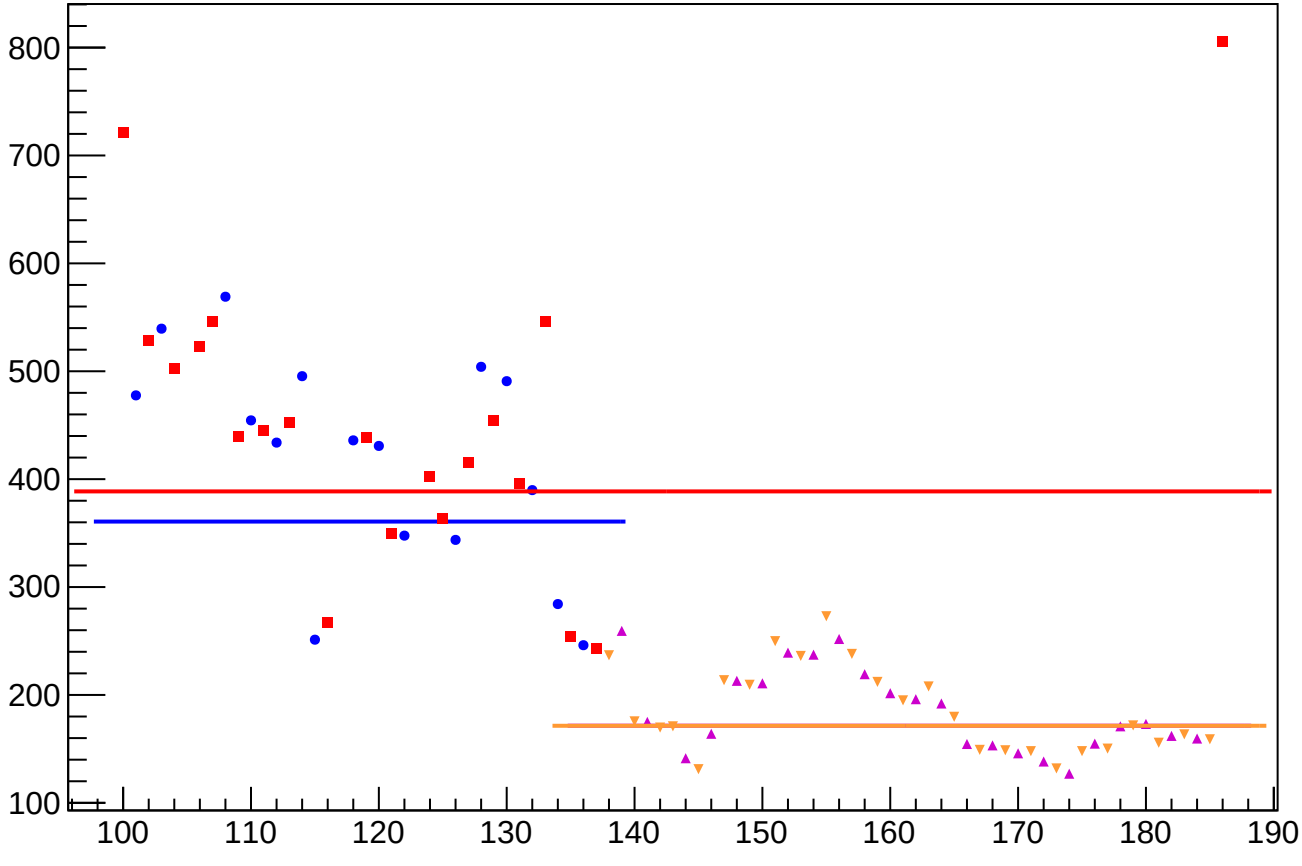
Right: 5.561+/-100.596 χ^2/NDF: 39.8/35

In: -10.004+/-39.331 χ^2/NDF:49.8/38

Out: 153.947+/-38.397 χ^2/NDF:90.1/44

All: 73.942+/-27.475 χ^2/NDF: 148.8/83

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 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

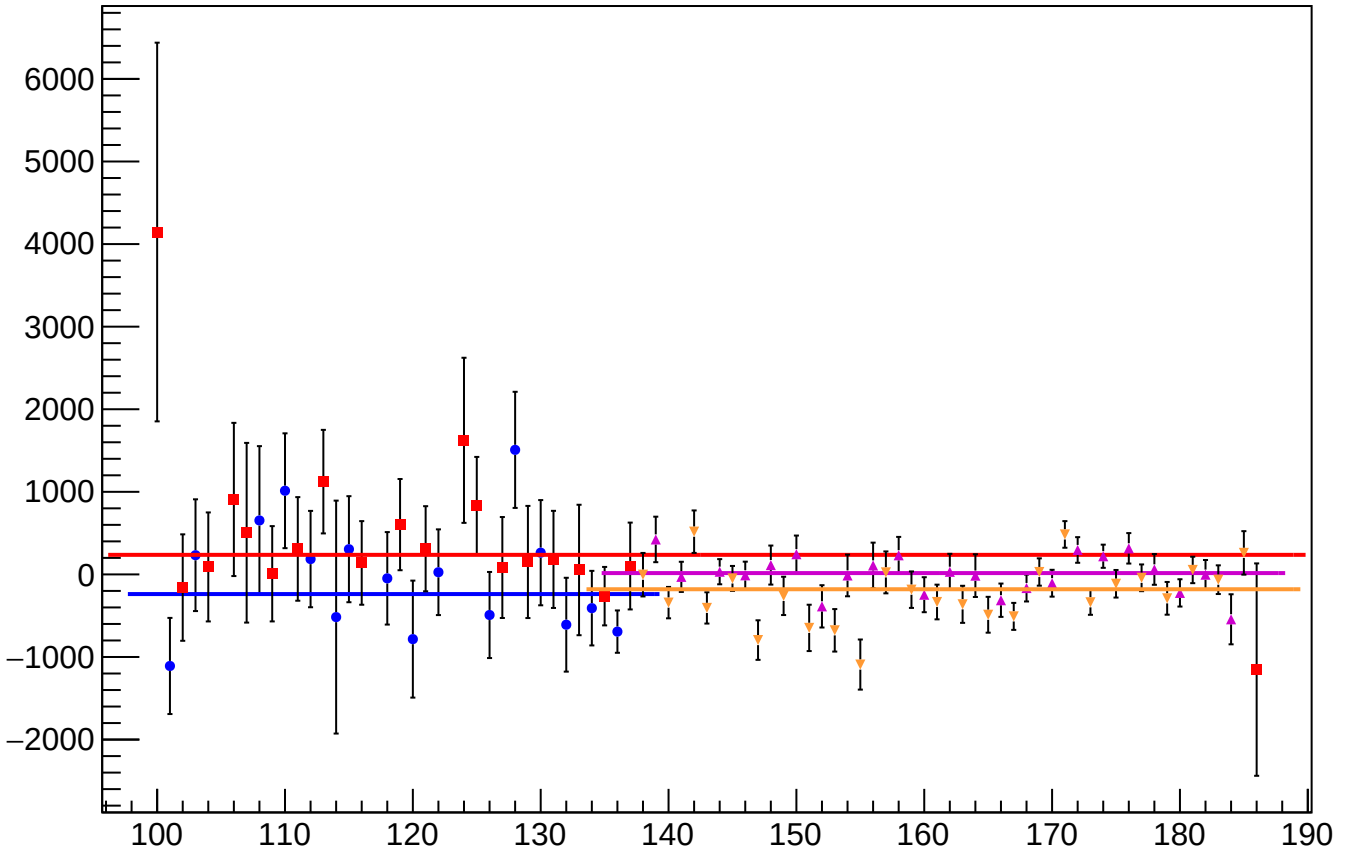
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 374.271+/-0.071 χ^2/NDF: 2315324.2/35

In: 186.364+/-0.028 χ^2/NDF:5861010.9/38

Out: 186.797+/-0.027 χ^2/NDF:6919888.2/44

All: 186.586+/-0.019 χ^2/NDF: 12781023.6/83



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

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

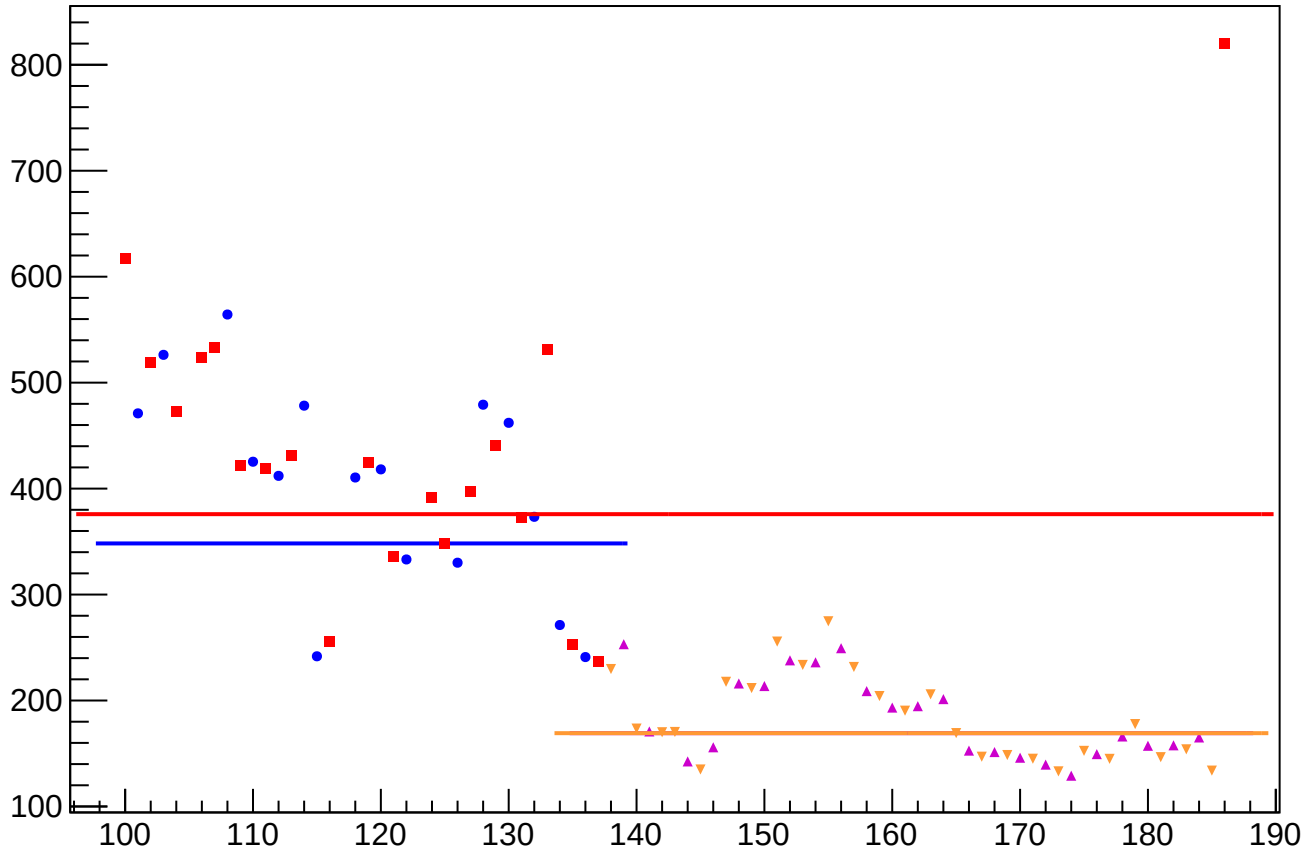
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -7.897+/-97.169 χ^2/NDF: 38.8/35

In: -4.726+/-38.709 χ^2/NDF:49.8/38

Out: -148.970+/-37.886 χ^2/NDF:88.2/44

All: -78.398+/-27.076 χ^2/NDF: 145.1/83



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

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

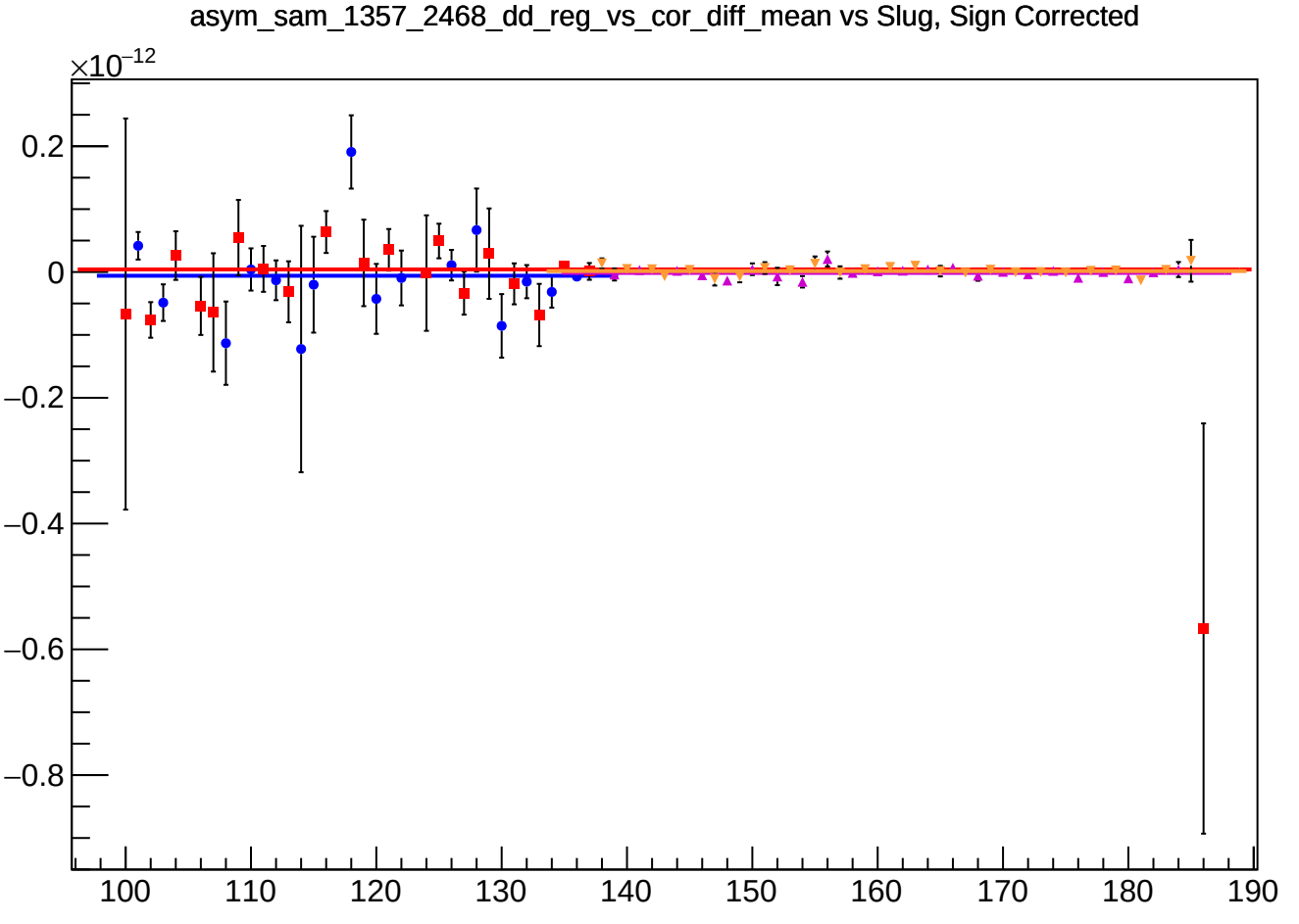
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 361.641+/-0.069 χ^2/NDF: 2256466.1/35

In: 183.833+/-0.027 χ^2/NDF:5645555.5/38

Out: 184.409+/-0.027 χ^2/NDF:6769546.1/44

All: 184.127+/-0.019 χ^2/NDF: 12415327.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

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

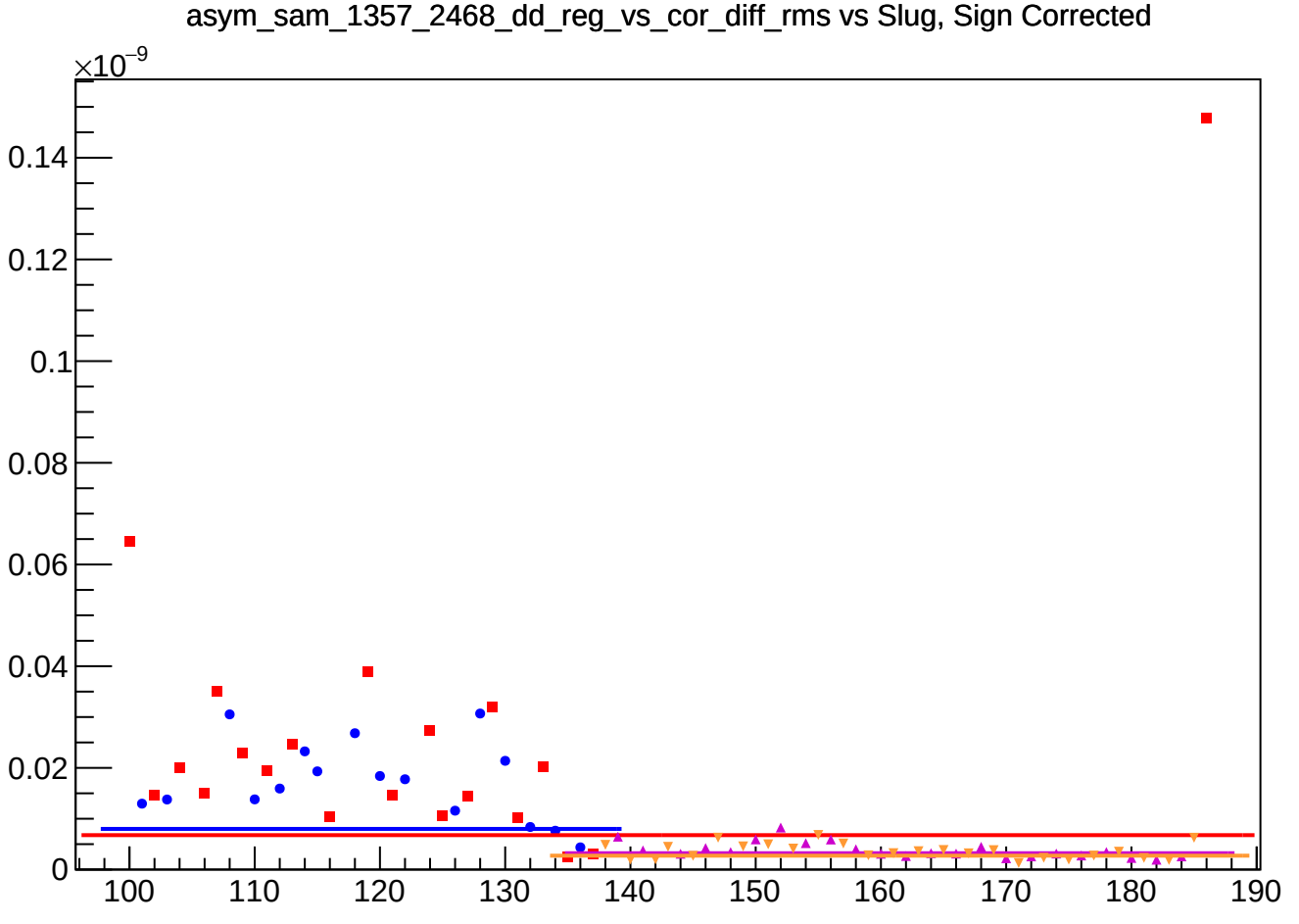
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

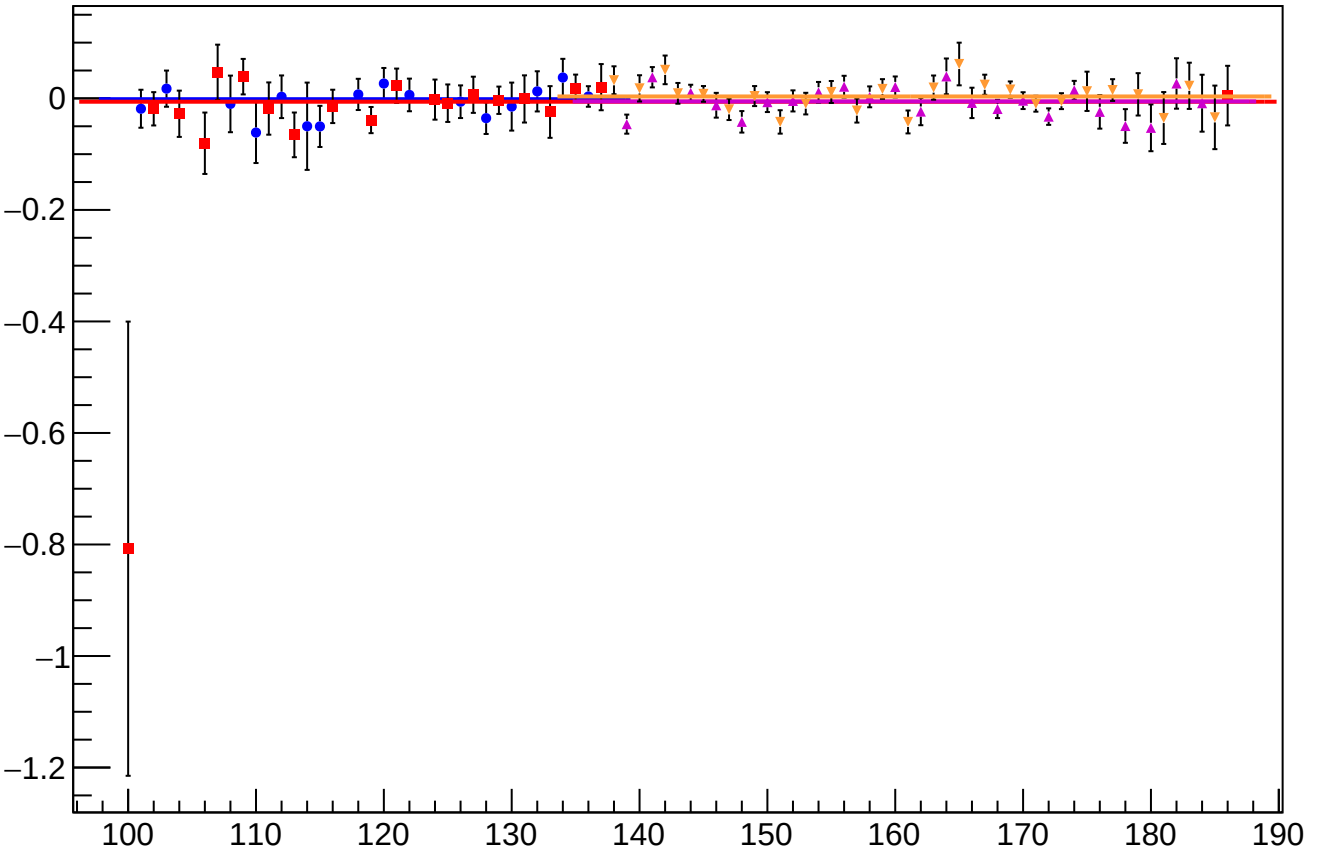
Right: -0.000+/-0.000 χ^2/NDF: 54.9/35

In: -0.000+/-0.000 χ^2/NDF:47.5/38

Out: 0.000+/-0.000 χ^2/NDF:45.1/44

All: 0.000+/-0.000 χ^2/NDF: 96.2/83


asym_sam_1357_2468_dd_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: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1923193.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3753780.4/19
Left In: 0.000+/-0.000 χ²/NDF:1355602.1/22
Left: 0.000+/-0.000 χ²/NDF: 3427530.5/47
Right: 0.000+/-0.000 χ²/NDF: 5751143.0/35
In: 0.000+/-0.000 χ²/NDF:4643237.8/38
Out: 0.000+/-0.000 χ²/NDF:6688127.4/44
All: 0.000+/-0.000 χ²/NDF: 11543915.9/83



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

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

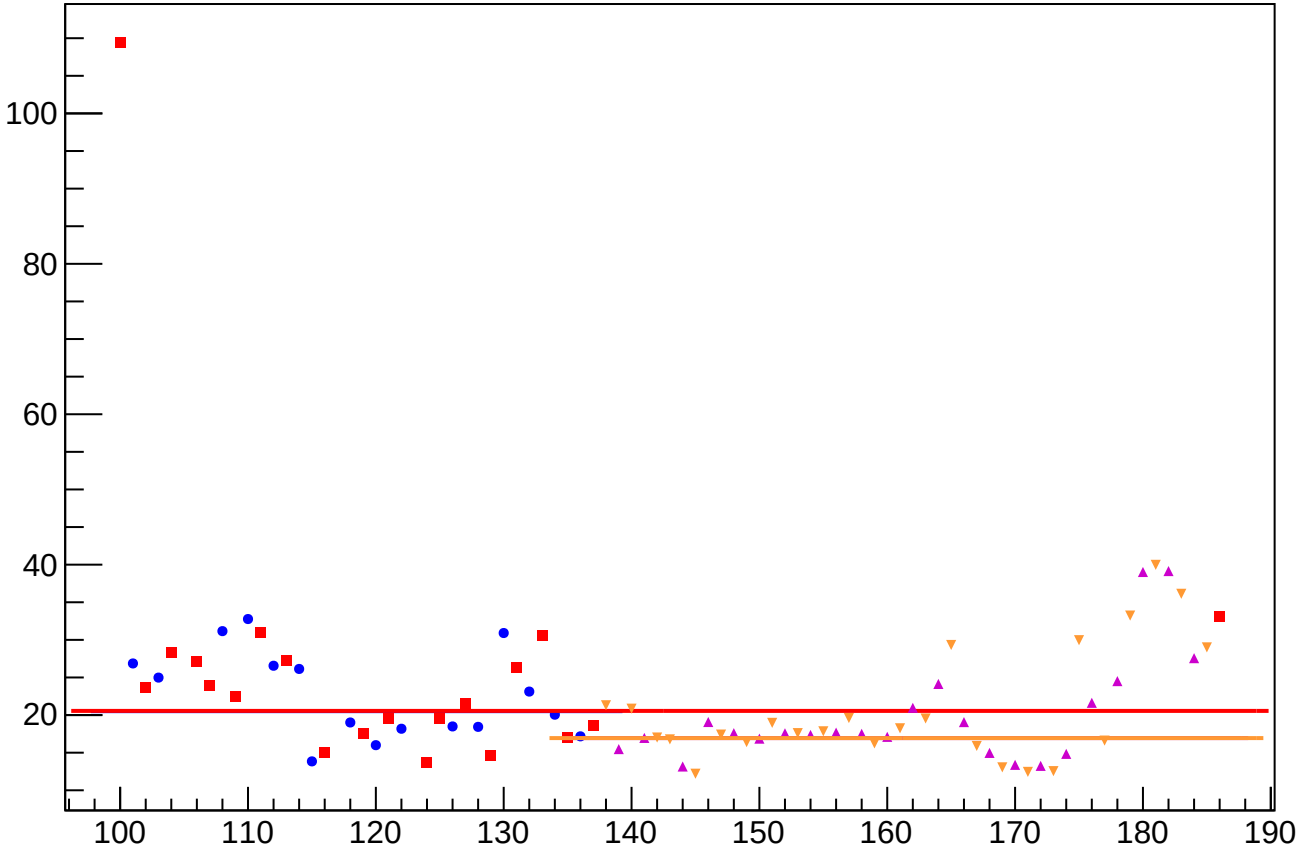
Right: -0.004+/-0.006 χ^2/NDF: 24.7/35

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.002+/-0.003 χ^2/NDF: 87.4/83

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.939+/-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

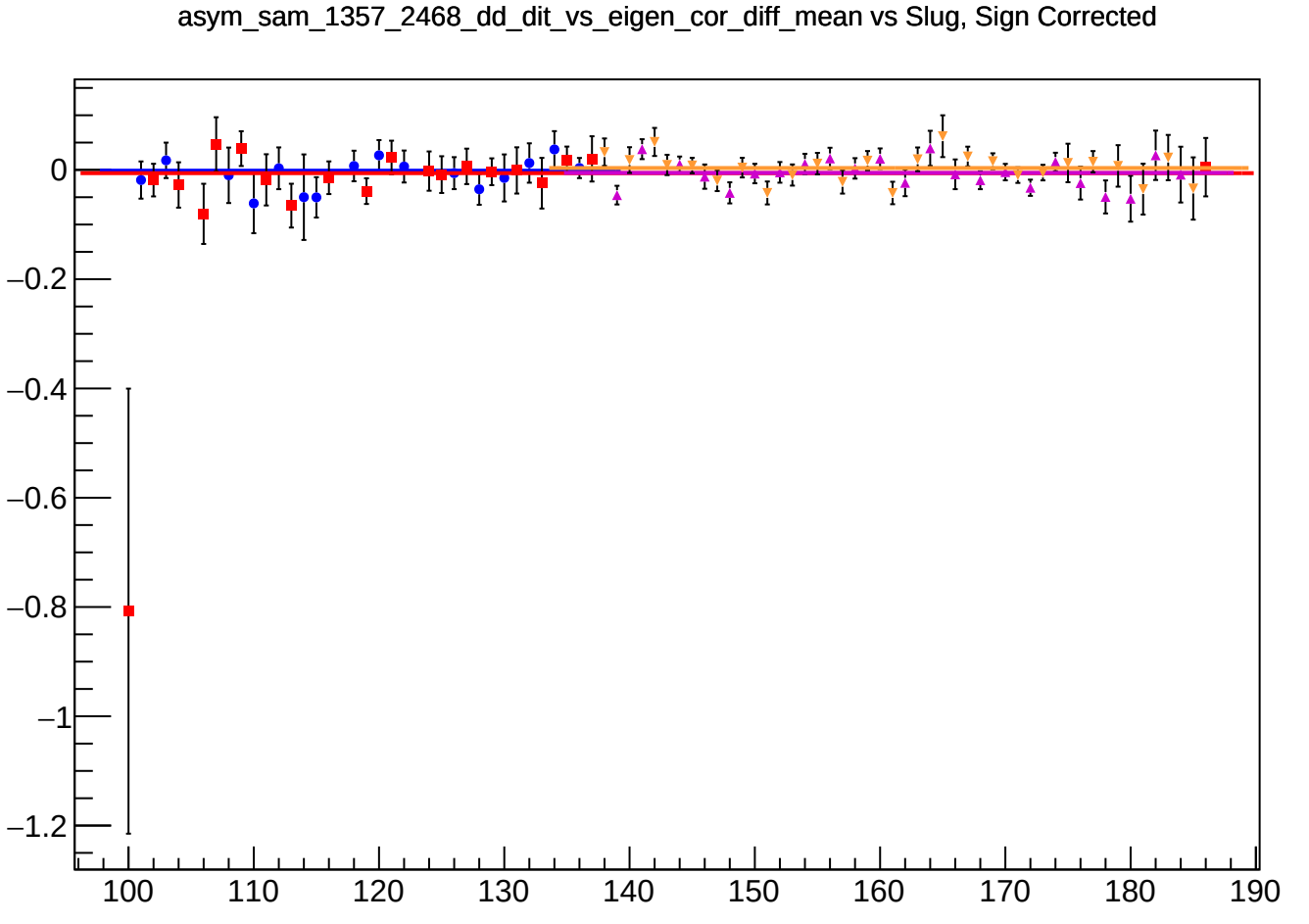
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.539+/-0.004 χ^2/NDF: 1683263.5/35

In: 17.704+/-0.003 χ^2/NDF:2958208.4/38

Out: 17.719+/-0.003 χ^2/NDF:4151269.2/44

All: 17.712+/-0.002 χ^2/NDF: 7109493.0/83



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

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

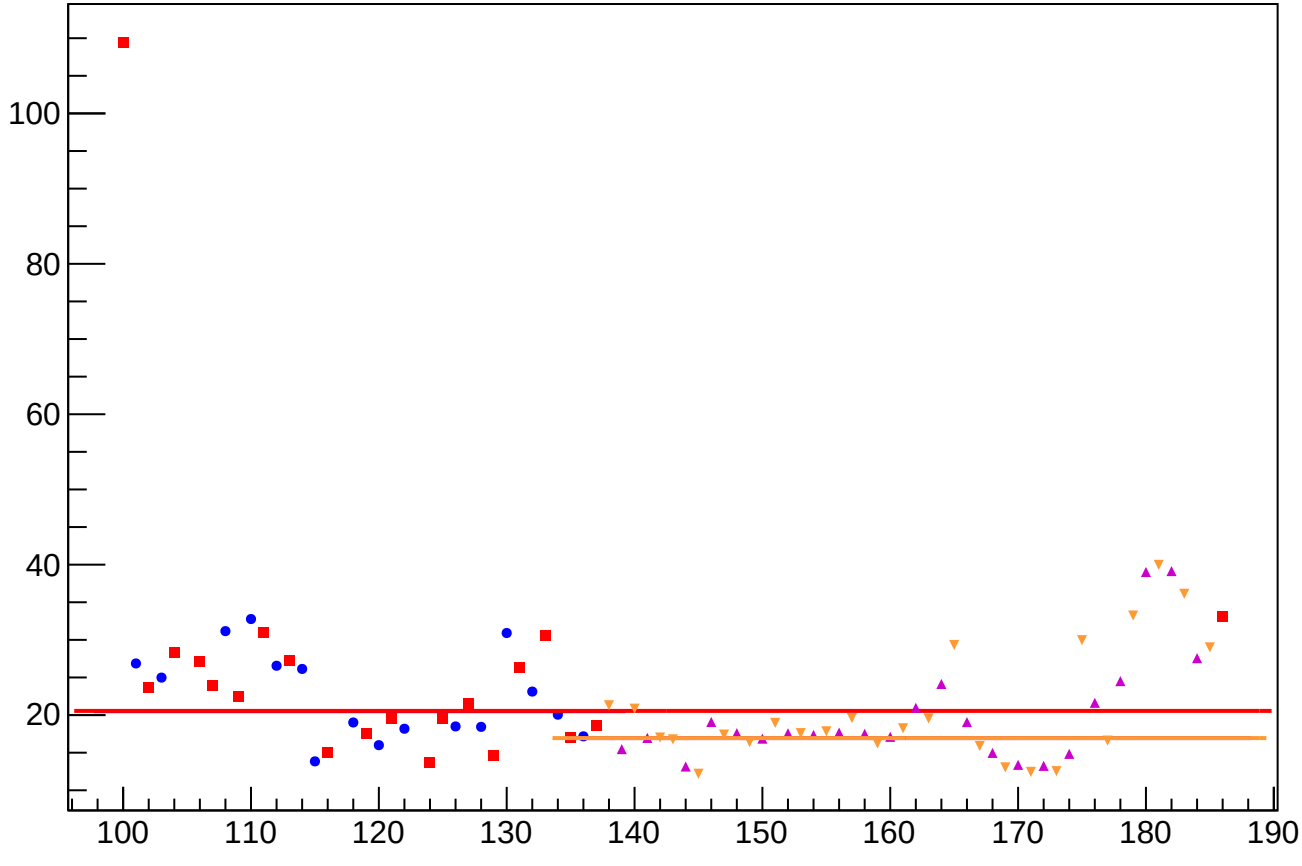
Right: -0.004+/-0.006 χ^2/NDF: 24.7/35

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.002+/-0.003 χ^2/NDF: 87.4/83

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.939+/-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

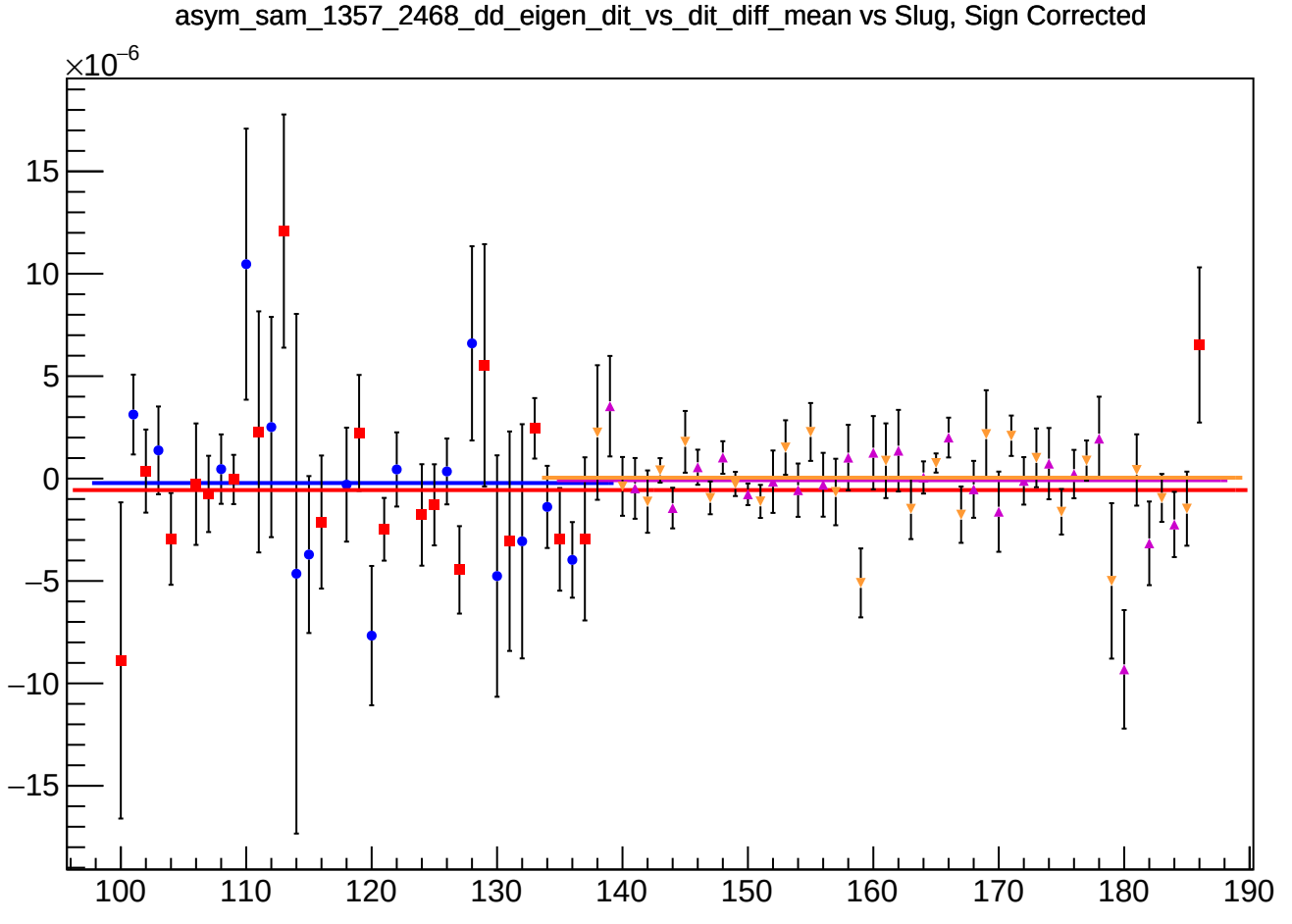
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.539+/-0.004 χ^2/NDF: 1683263.5/35

In: 17.704+/-0.003 χ^2/NDF:2958208.4/38

Out: 17.719+/-0.003 χ^2/NDF:4151269.2/44

All: 17.712+/-0.002 χ^2/NDF: 7109493.0/83



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

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

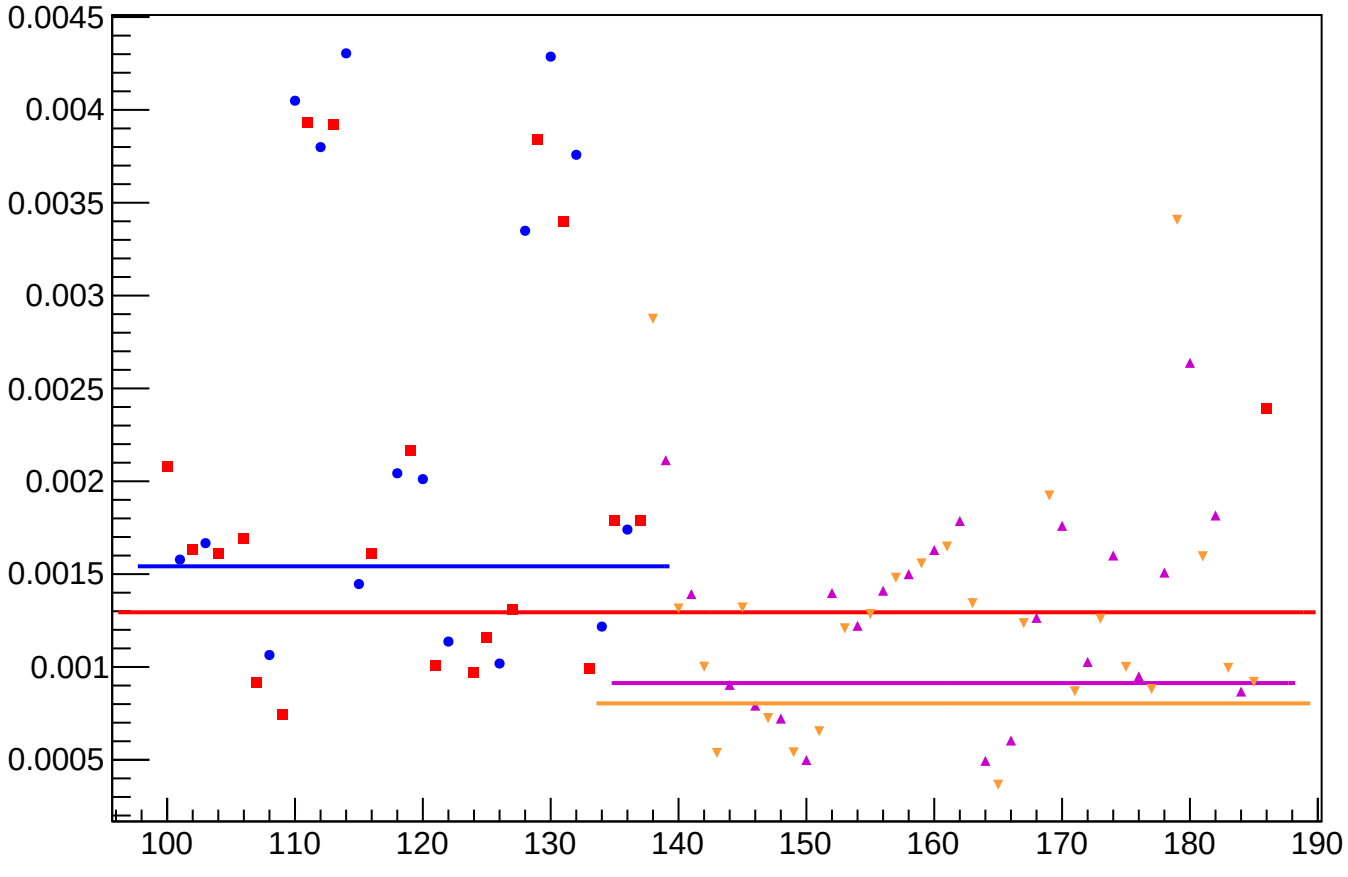
Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

Right: -0.000+/-0.000 χ^2/NDF: 44.6/35

In: -0.000+/-0.000 χ^2/NDF:50.9/38

Out: -0.000+/-0.000 χ^2/NDF:62.9/44

All: -0.000+/-0.000 χ^2/NDF: 113.8/83



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

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

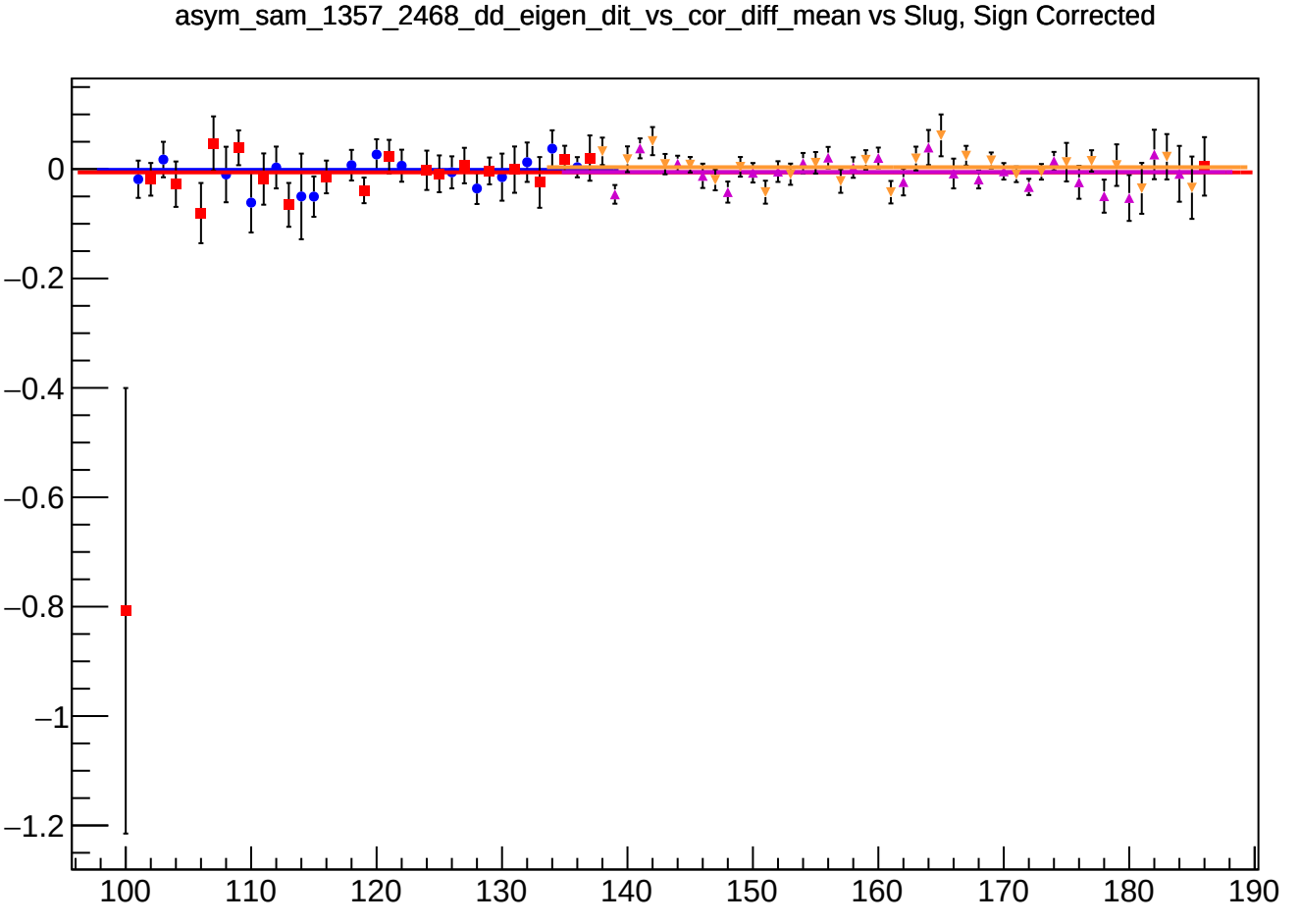
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 5439615.9/35

In: 0.001+/-0.000 χ^2/NDF:10591878.5/38

Out: 0.001+/-0.000 χ^2/NDF:12636255.0/44

All: 0.001+/-0.000 χ^2/NDF: 23565793.7/83



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

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

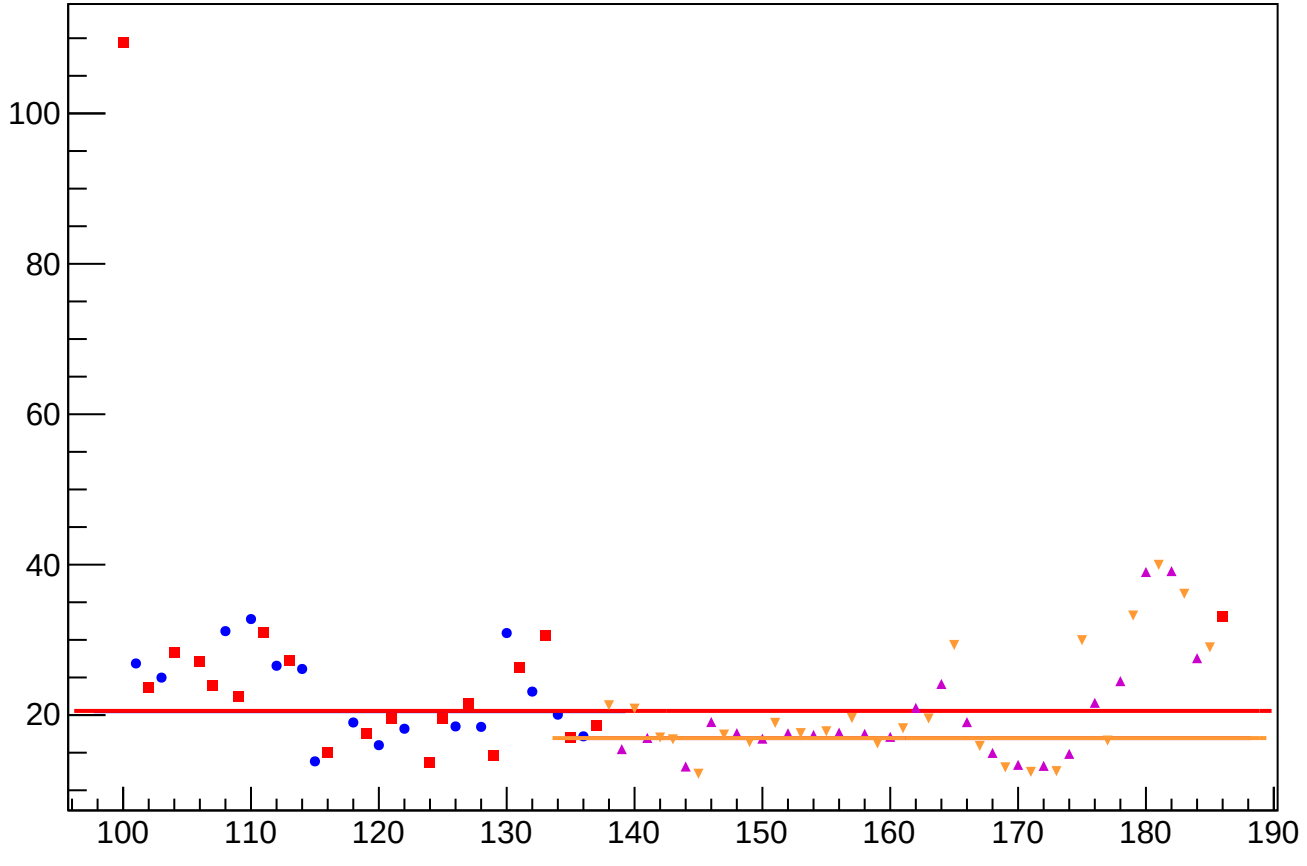
Right: -0.004+/-0.006 χ^2/NDF: 24.7/35

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.002+/-0.003 χ^2/NDF: 87.4/83

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.939+/-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

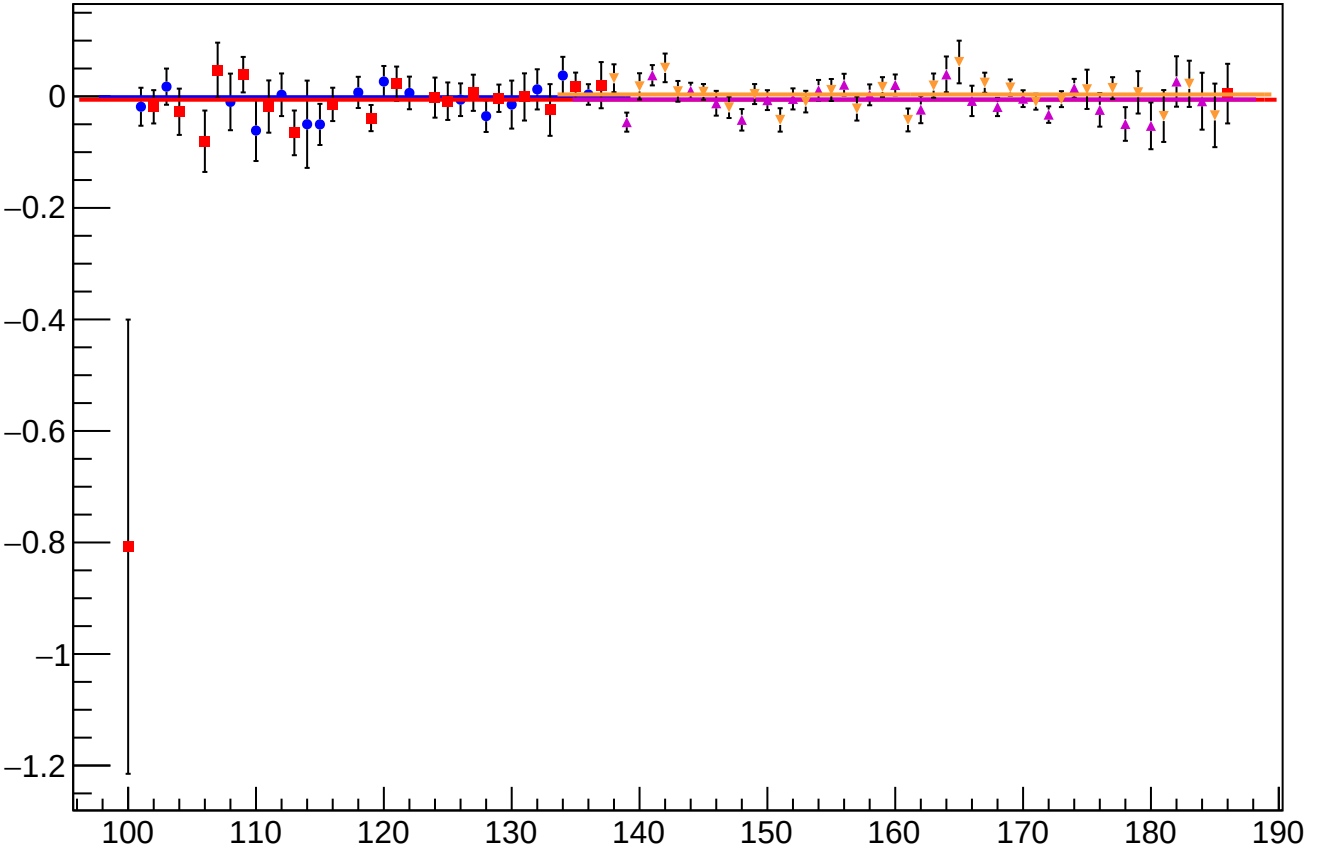
Right: 20.538+/-0.004 χ^2/NDF: 1683166.4/35

In: 17.704+/-0.003 χ^2/NDF:2957968.9/38

Out: 17.719+/-0.003 χ^2/NDF:4151126.1/44

All: 17.712+/-0.002 χ^2/NDF: 7109110.5/83

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-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

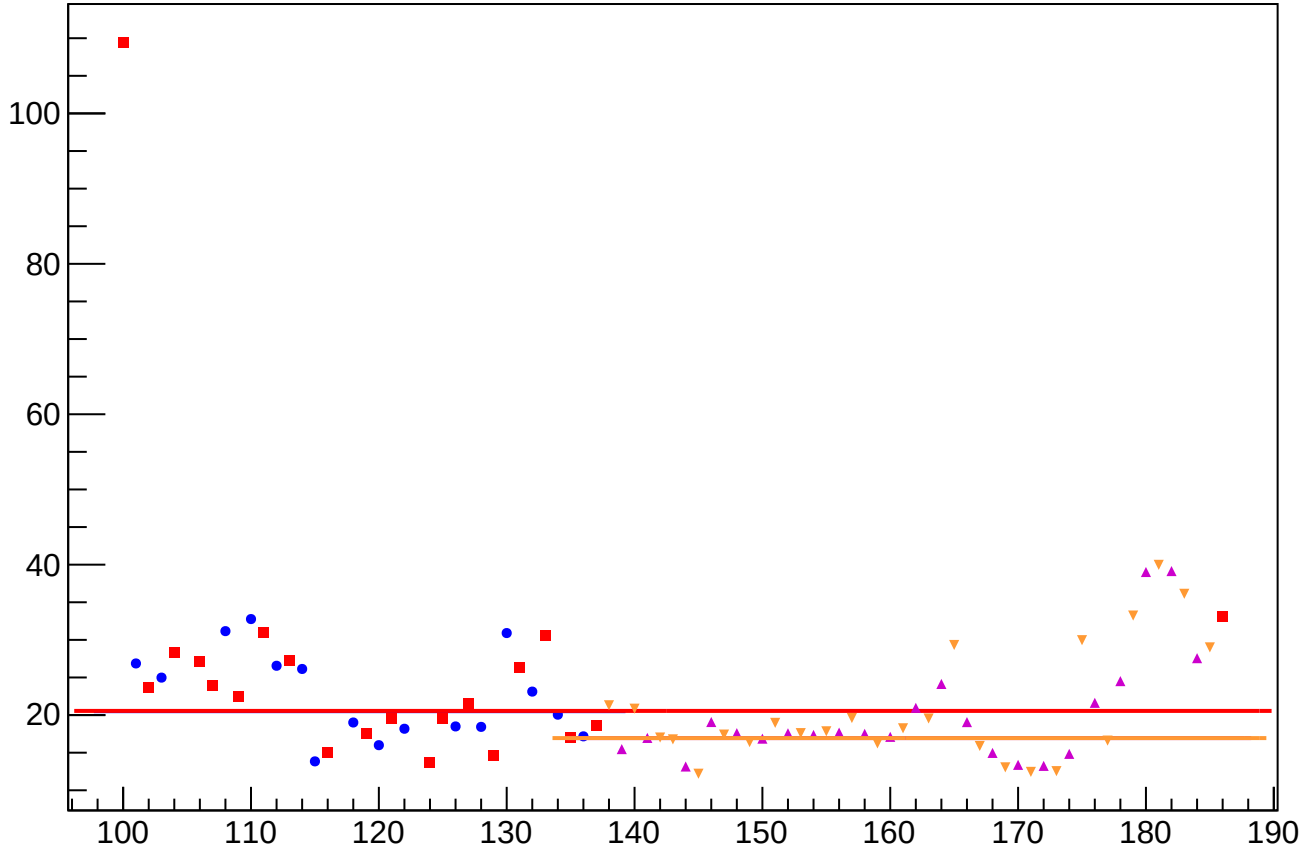
Right: -0.004+/-0.006 χ^2/NDF: 24.7/35

In: -0.005+/-0.004 χ^2/NDF:41.7/38

Out: 0.001+/-0.004 χ^2/NDF:44.4/44

All: -0.002+/-0.003 χ^2/NDF: 87.4/83

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.939+/-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

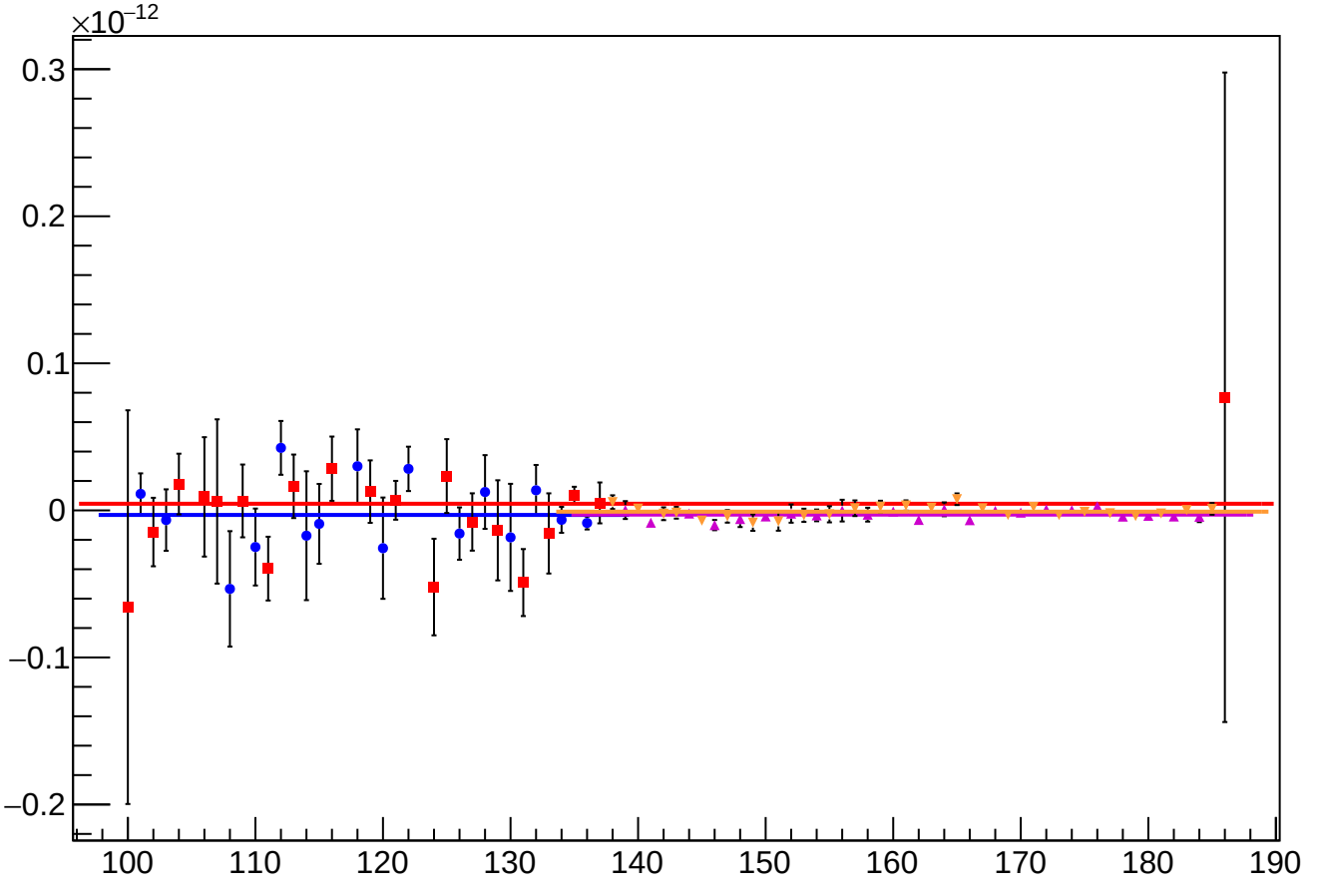
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.538+/-0.004 χ^2/NDF: 1683166.4/35

In: 17.704+/-0.003 χ^2/NDF:2957968.9/38

Out: 17.719+/-0.003 χ^2/NDF:4151126.1/44

All: 17.712+/-0.002 χ^2/NDF: 7109110.5/83



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

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

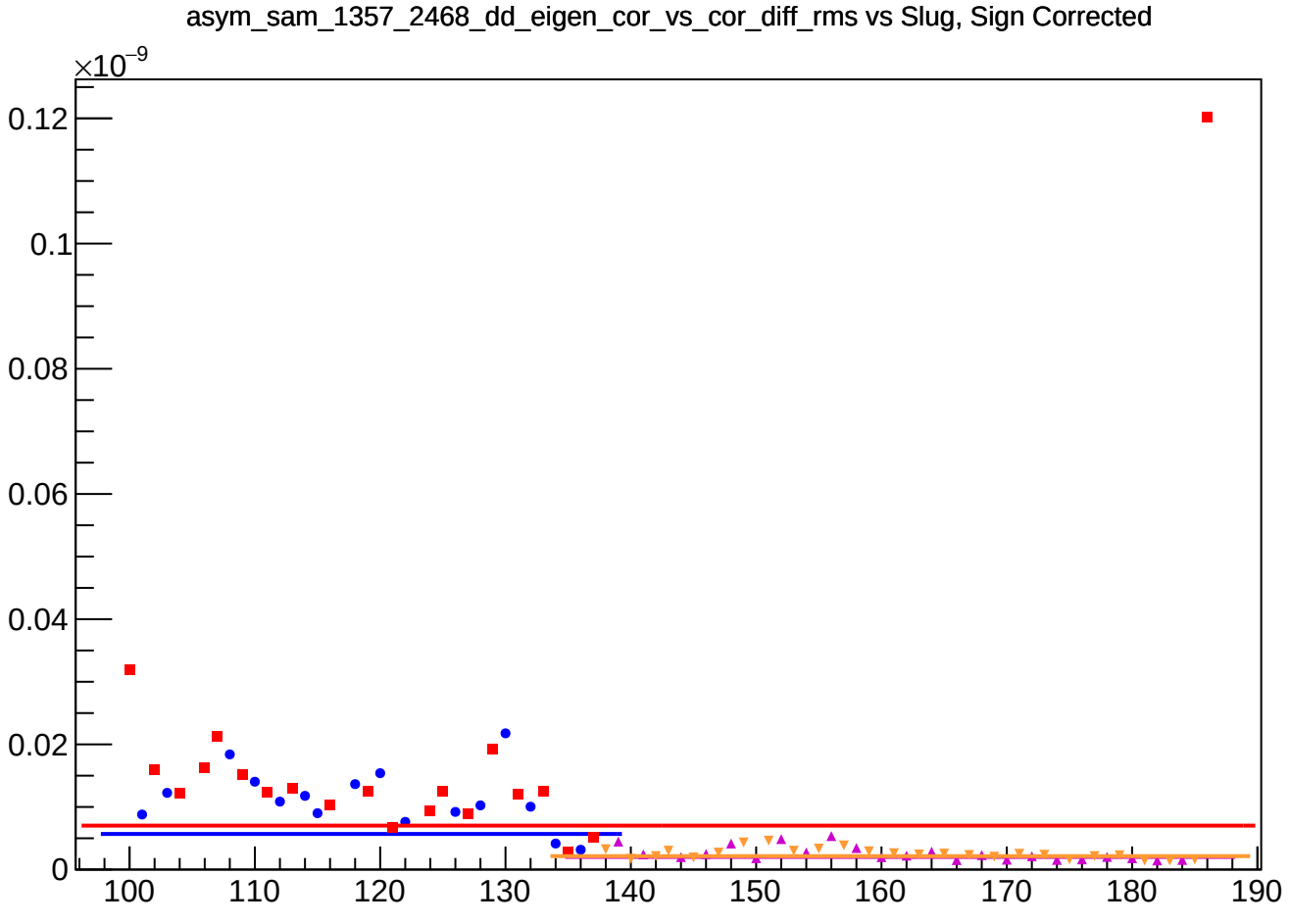
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

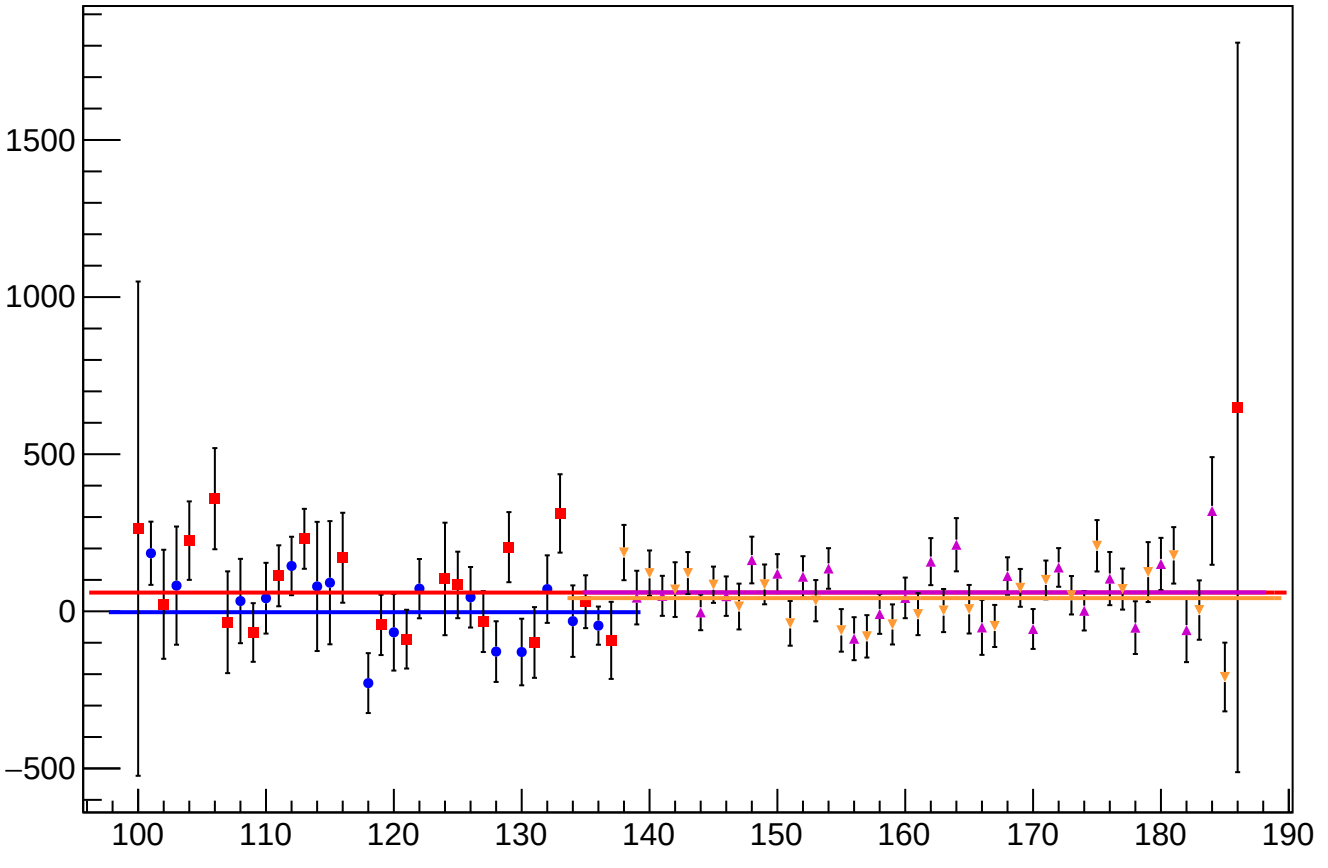
Right: 0.000+/-0.000 χ^2/NDF: 41.0/35

In: -0.000+/-0.000 χ^2/NDF:43.1/38

Out: -0.000+/-0.000 χ^2/NDF:44.2/44

All: -0.000+/-0.000 χ^2/NDF: 93.1/83


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: 2705902.9/15
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: 6477633.0/35
In: 0.000+/-0.000 χ²/NDF:7526420.6/38
Out: 0.000+/-0.000 χ²/NDF:8916094.4/44
All: 0.000+/-0.000 χ²/NDF: 16478976.3/83



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

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

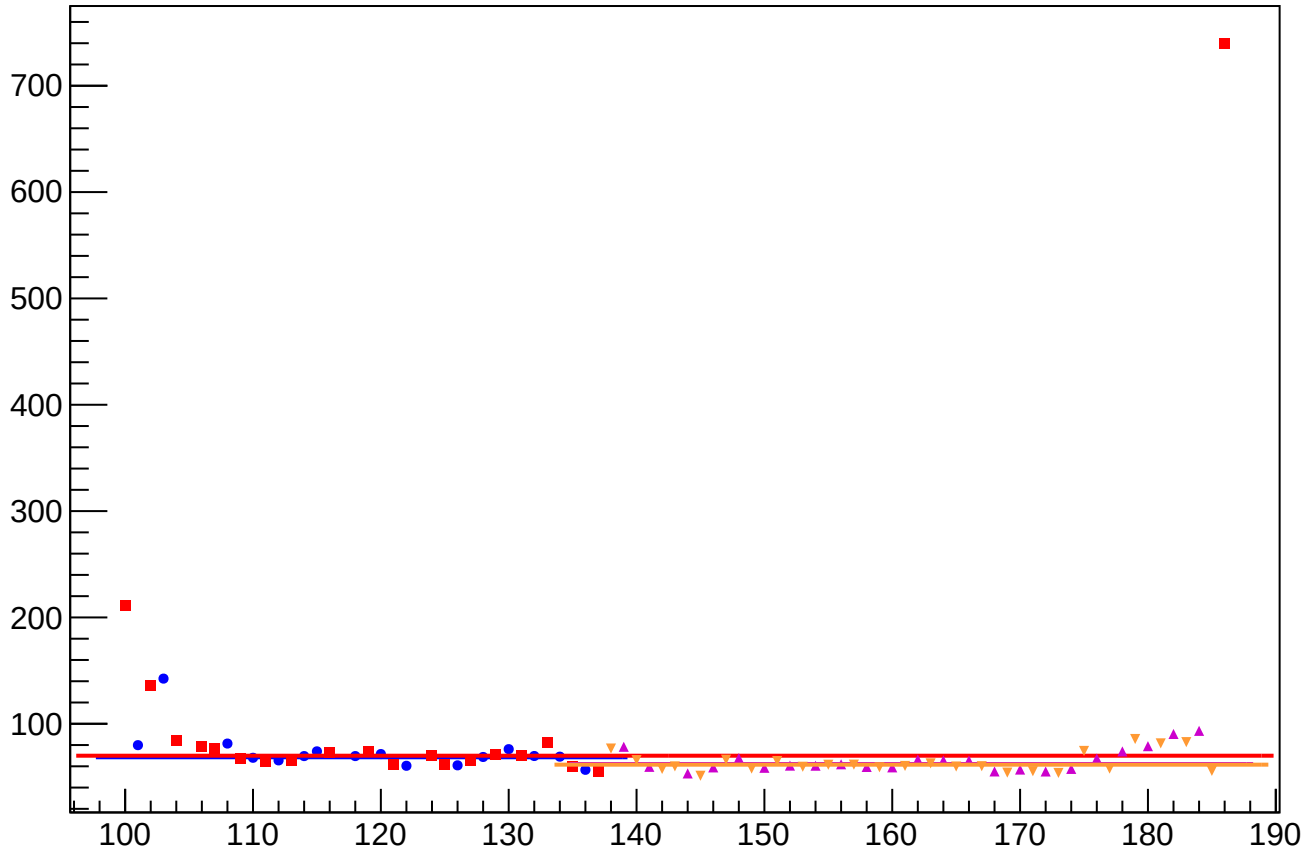
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 28.251+/-18.593 χ^2/NDF: 46.5/35

In: 45.248+/-12.831 χ^2/NDF:54.3/38

Out: 45.968+/-12.490 χ^2/NDF:58.4/44

All: 45.618+/-8.950 χ^2/NDF: 112.7/83



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

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

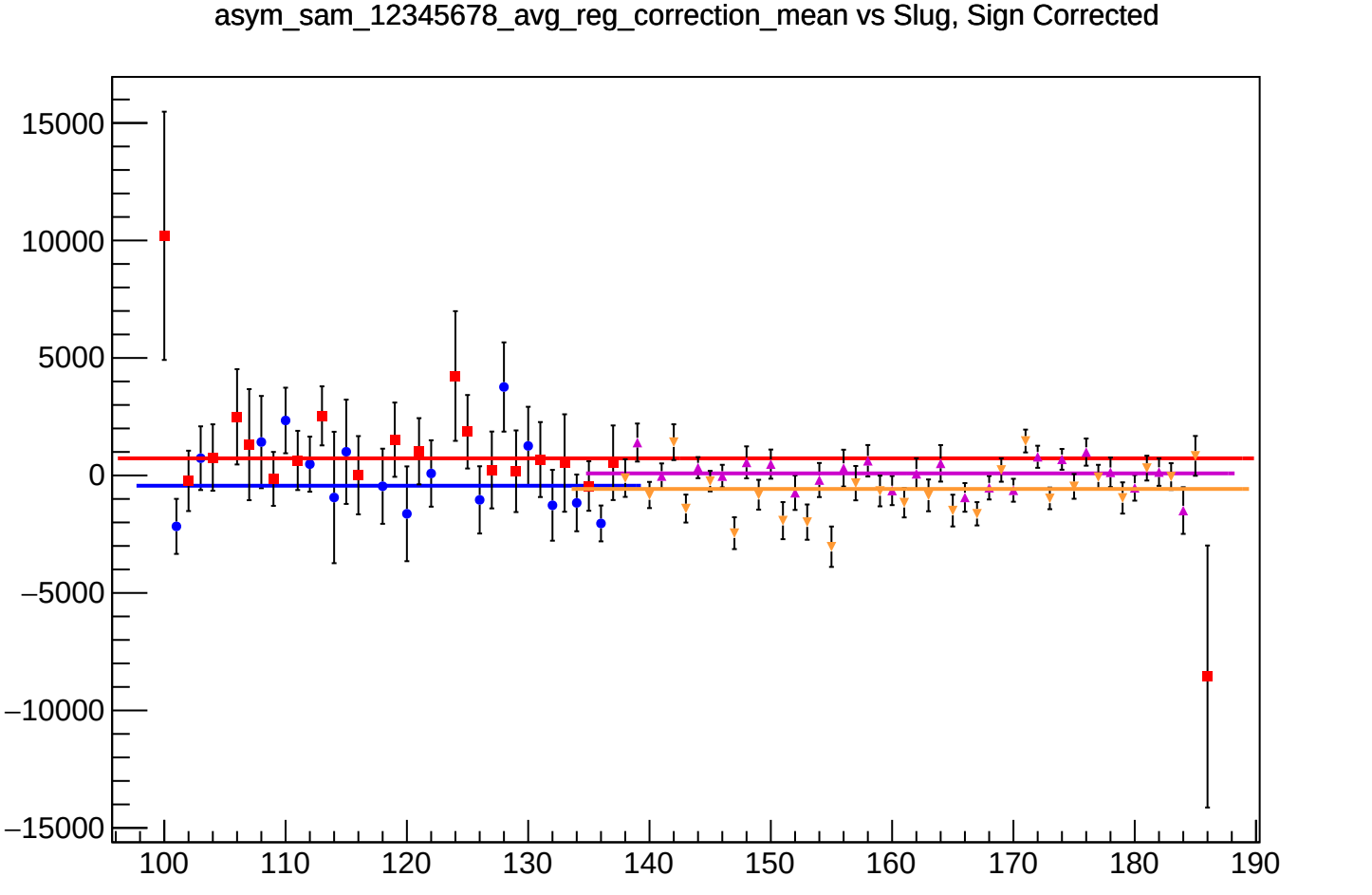
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 69.228+/-0.013 χ^2/NDF: 1661501.7/35

In: 63.667+/-0.009 χ^2/NDF:1157982.4/38

Out: 63.433+/-0.009 χ^2/NDF:1982533.1/44

All: 63.547+/-0.006 χ^2/NDF: 3140857.7/83



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

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

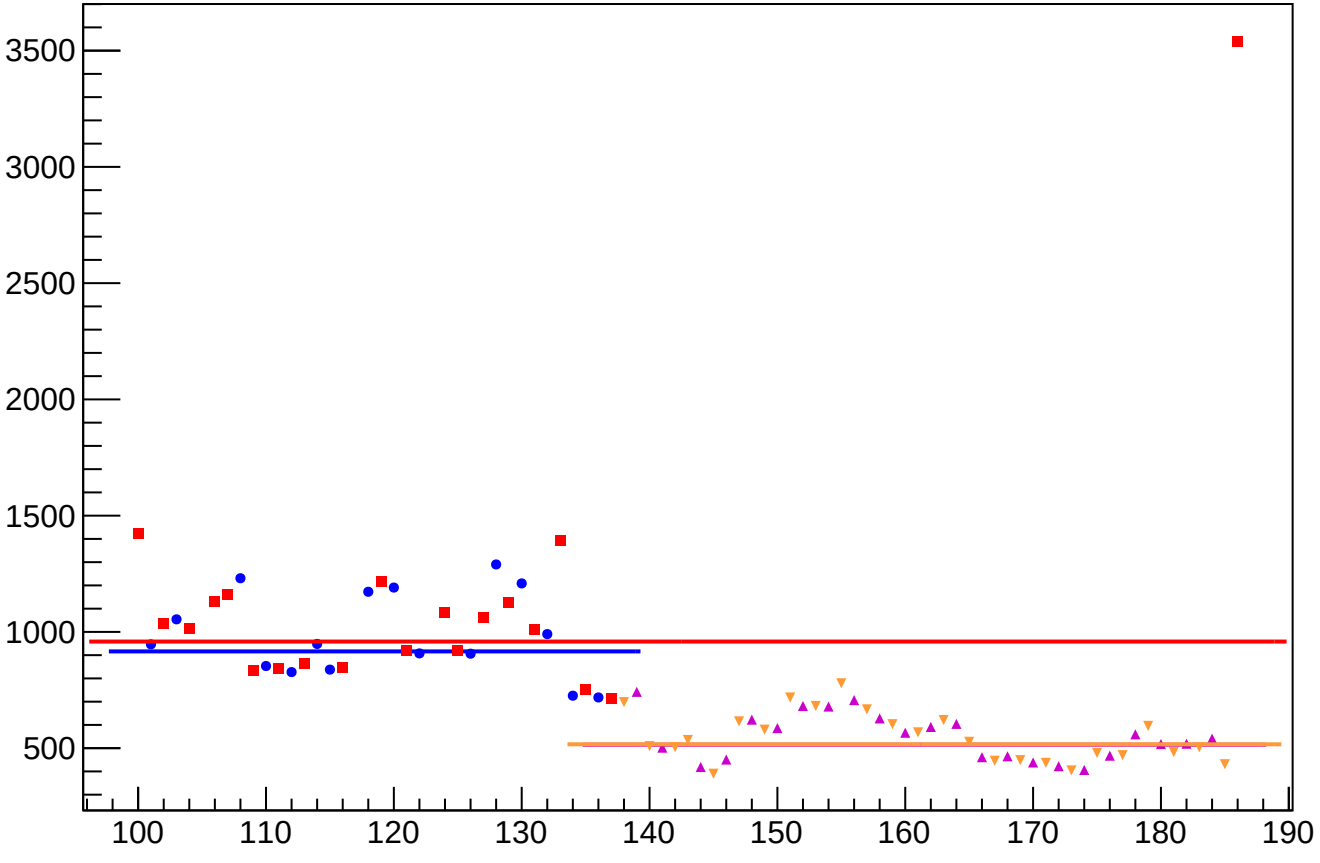
Right: 139.567+/-247.912 χ^2/NDF: 40.2/35

In: 30.633+/-115.576 χ^2/NDF:47.2/38

Out: -439.932+/-113.369 χ^2/NDF:95.2/44

All: -209.185+/-80.933 χ^2/NDF: 150.8/83

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 516.635+/-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

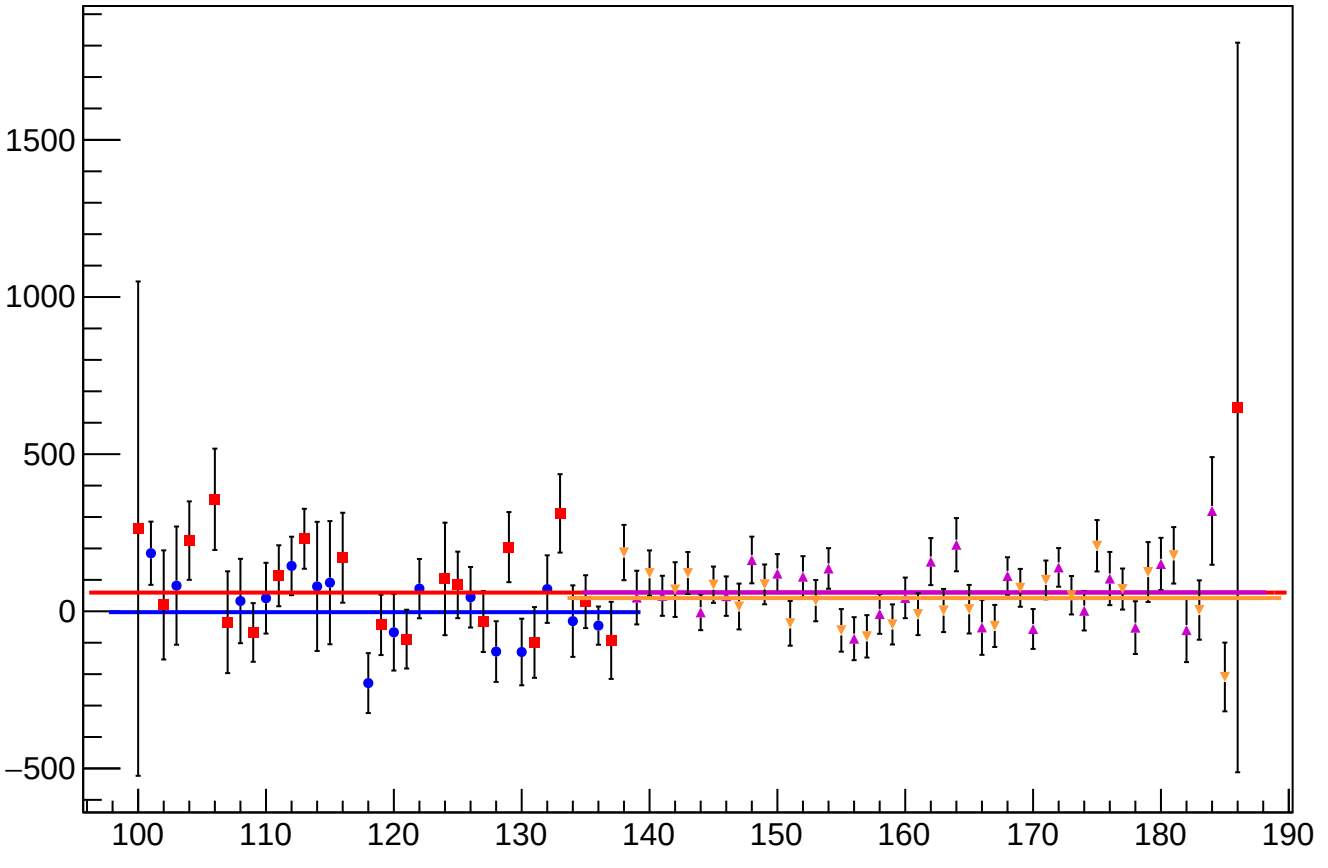
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 937.168+/-0.175 χ^2/NDF: 1369184.7/35

In: 558.831+/-0.082 χ^2/NDF:3986377.7/38

Out: 562.389+/-0.080 χ^2/NDF:4931398.8/44

All: 560.644+/-0.057 χ^2/NDF: 8918742.1/83



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

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

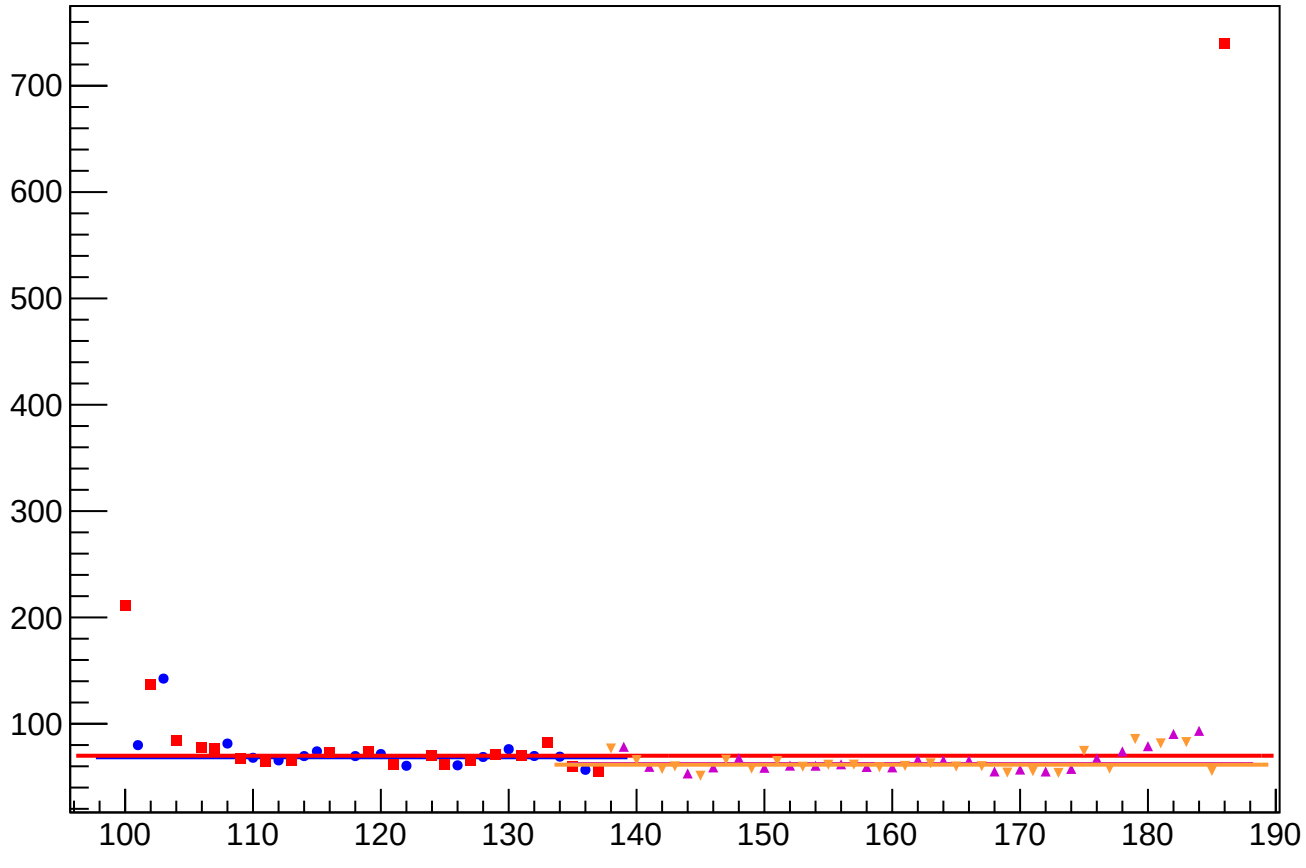
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 28.185+/-18.593 χ^2/NDF: 46.4/35

In: 45.247+/-12.831 χ^2/NDF:54.3/38

Out: 45.944+/-12.490 χ^2/NDF:58.3/44

All: 45.605+/-8.950 χ^2/NDF: 112.6/83



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

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

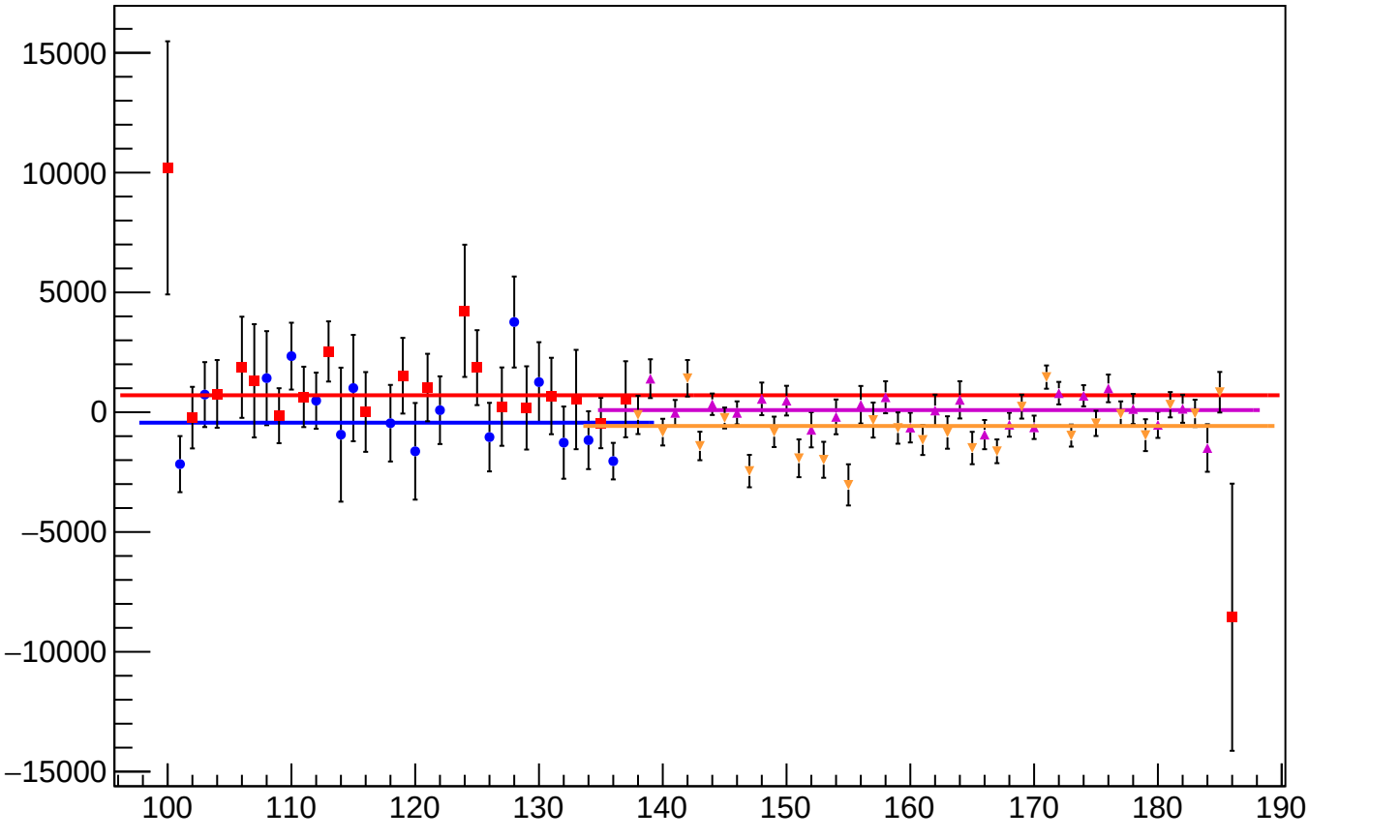
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 69.218+/-0.013 χ^2/NDF: 1660846.9/35

In: 63.667+/-0.009 χ^2/NDF:1157985.4/38

Out: 63.428+/-0.009 χ^2/NDF:1981225.5/44

All: 63.544+/-0.006 χ^2/NDF: 3139566.1/83



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

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

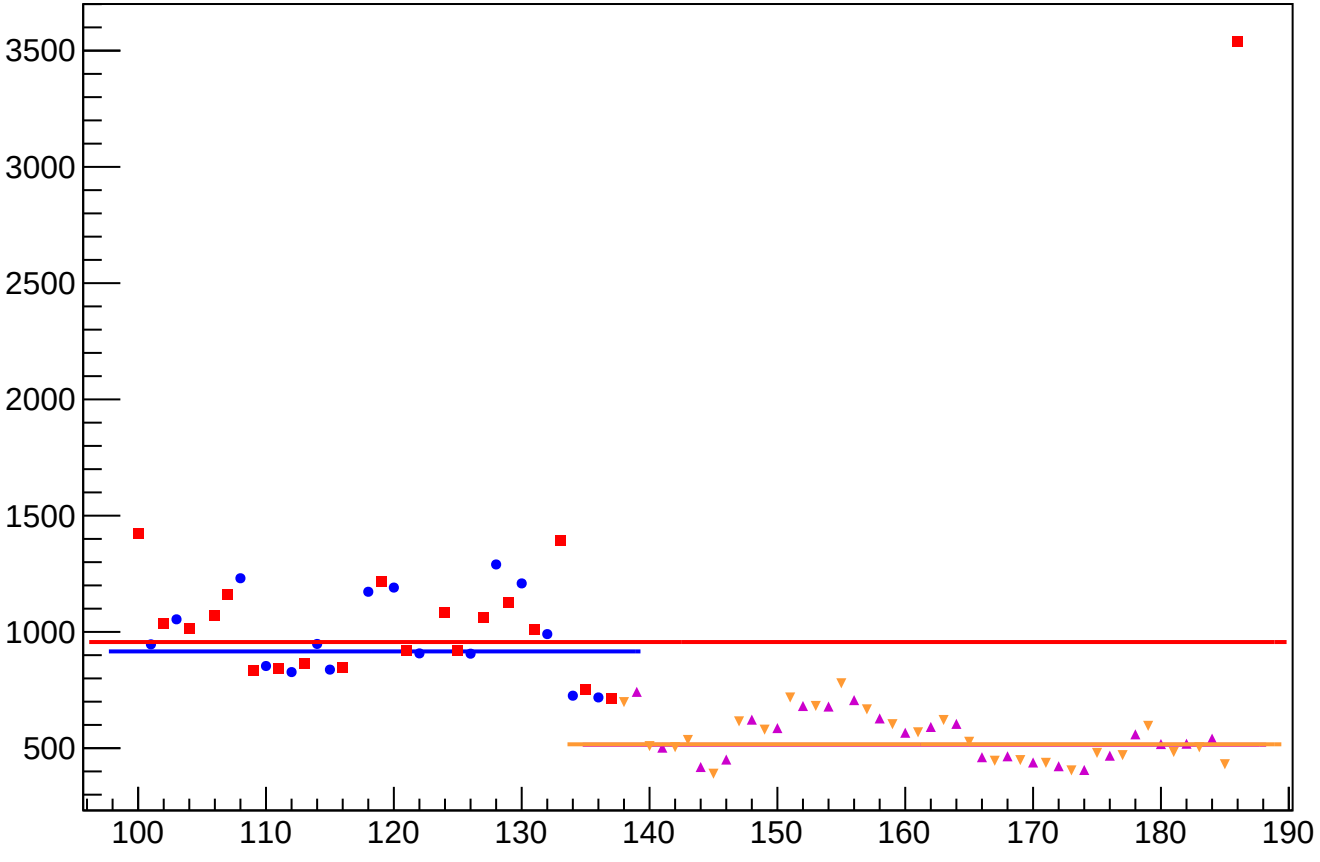
Right: 128.504+/-248.063 χ^2/NDF: 39.5/35

In: 30.636+/-115.576 χ^2/NDF:47.2/38

Out: -442.388+/-113.383 χ^2/NDF:94.3/44

All: -210.405+/-80.938 χ^2/NDF: 150.0/83

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 516.635+/-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

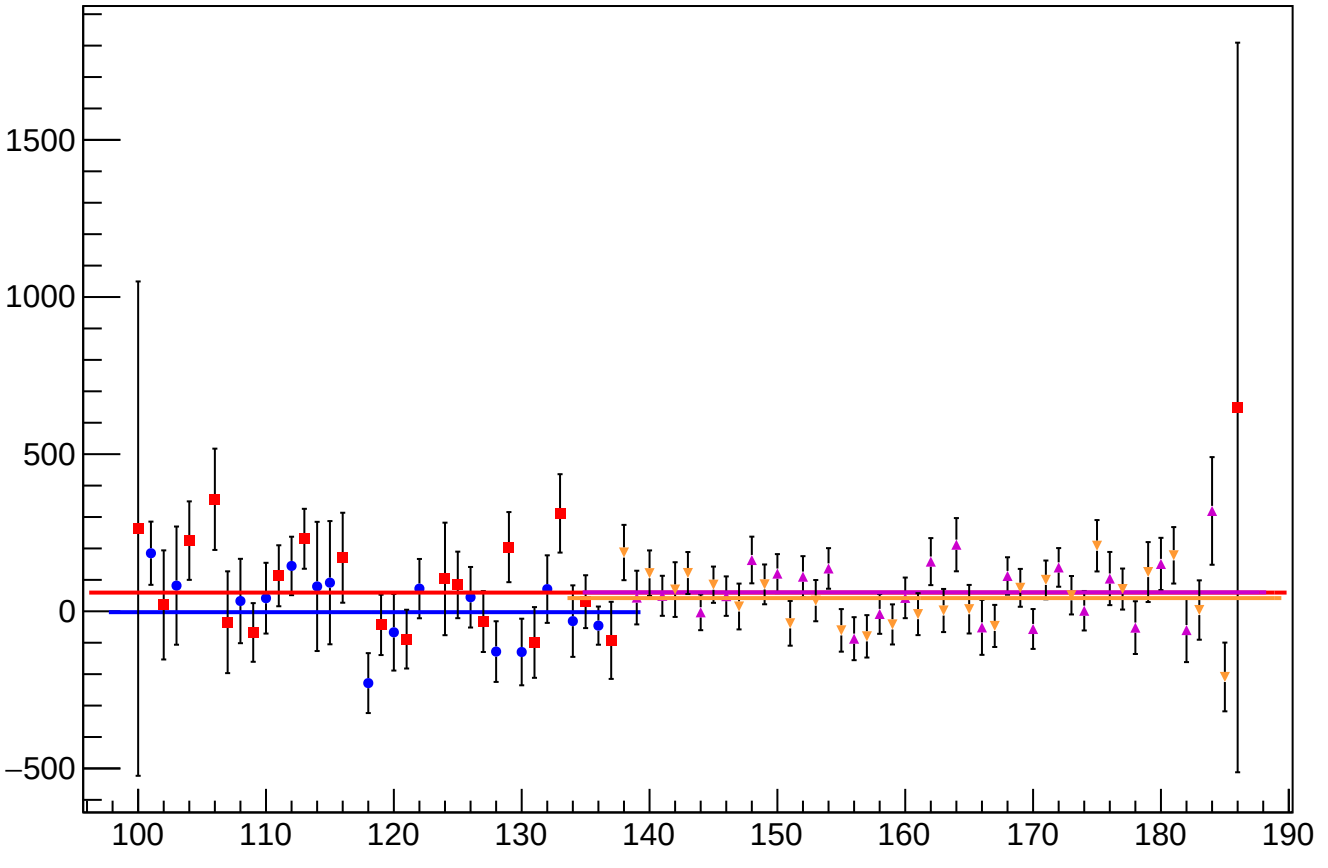
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 936.102+/-0.175 χ^2/NDF: 1358696.4/35

In: 558.831+/-0.082 χ^2/NDF:3986420.1/38

Out: 562.070+/-0.080 χ^2/NDF:4889324.9/44

All: 560.482+/-0.057 χ^2/NDF: 8876545.3/83



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

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

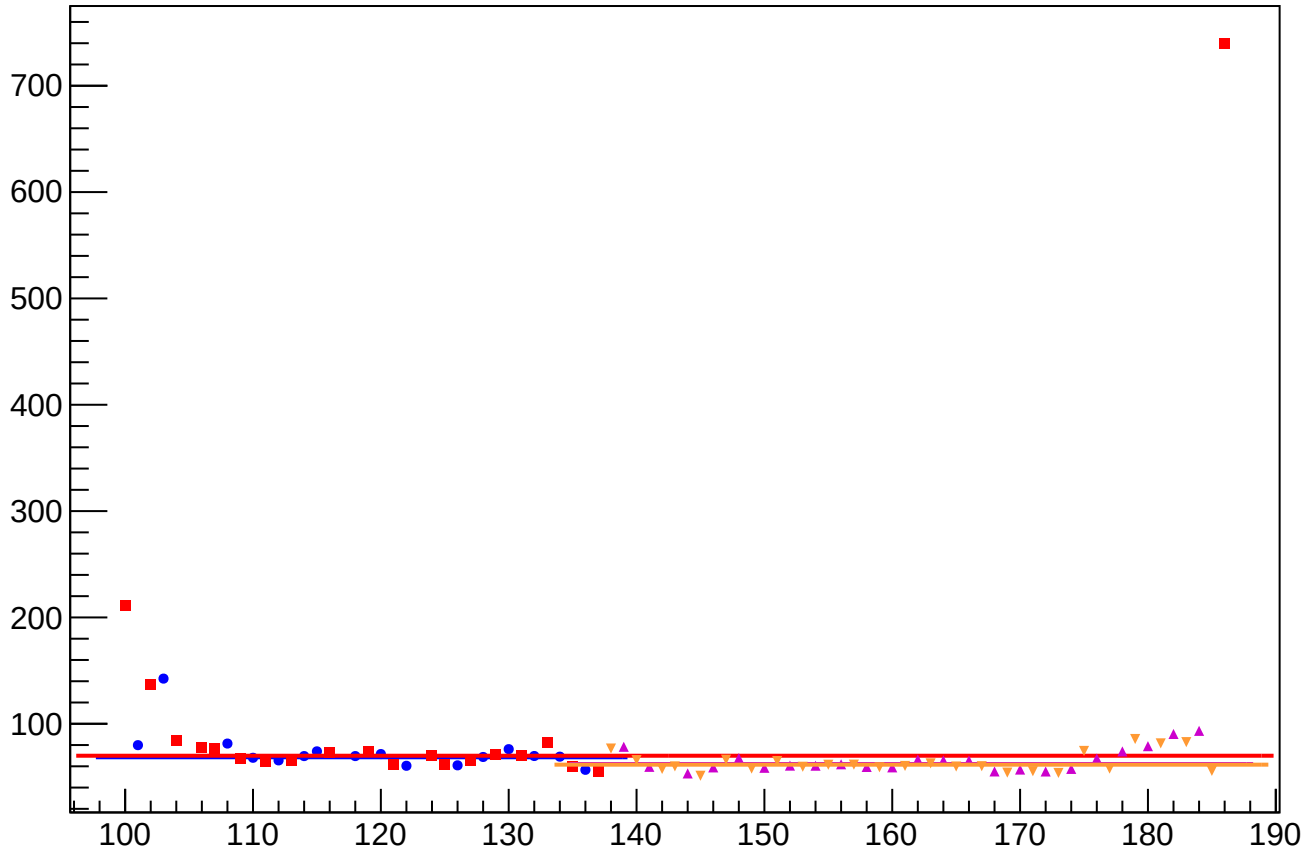
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 28.185+/-18.593 χ^2/NDF: 46.4/35

In: 45.247+/-12.831 χ^2/NDF:54.3/38

Out: 45.944+/-12.490 χ^2/NDF:58.3/44

All: 45.605+/-8.950 χ^2/NDF: 112.6/83



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

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

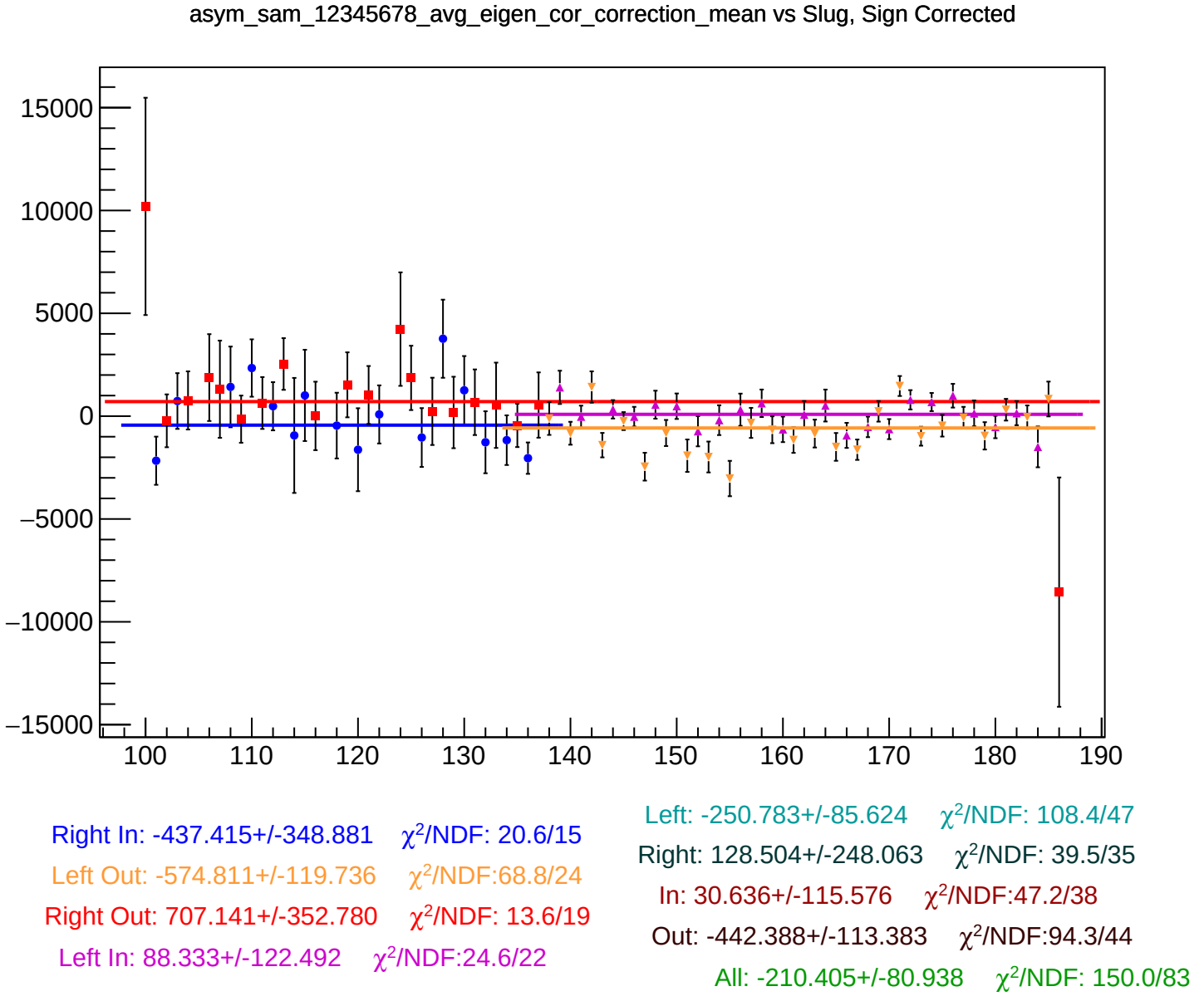
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 69.218+/-0.013 χ^2/NDF: 1660846.9/35

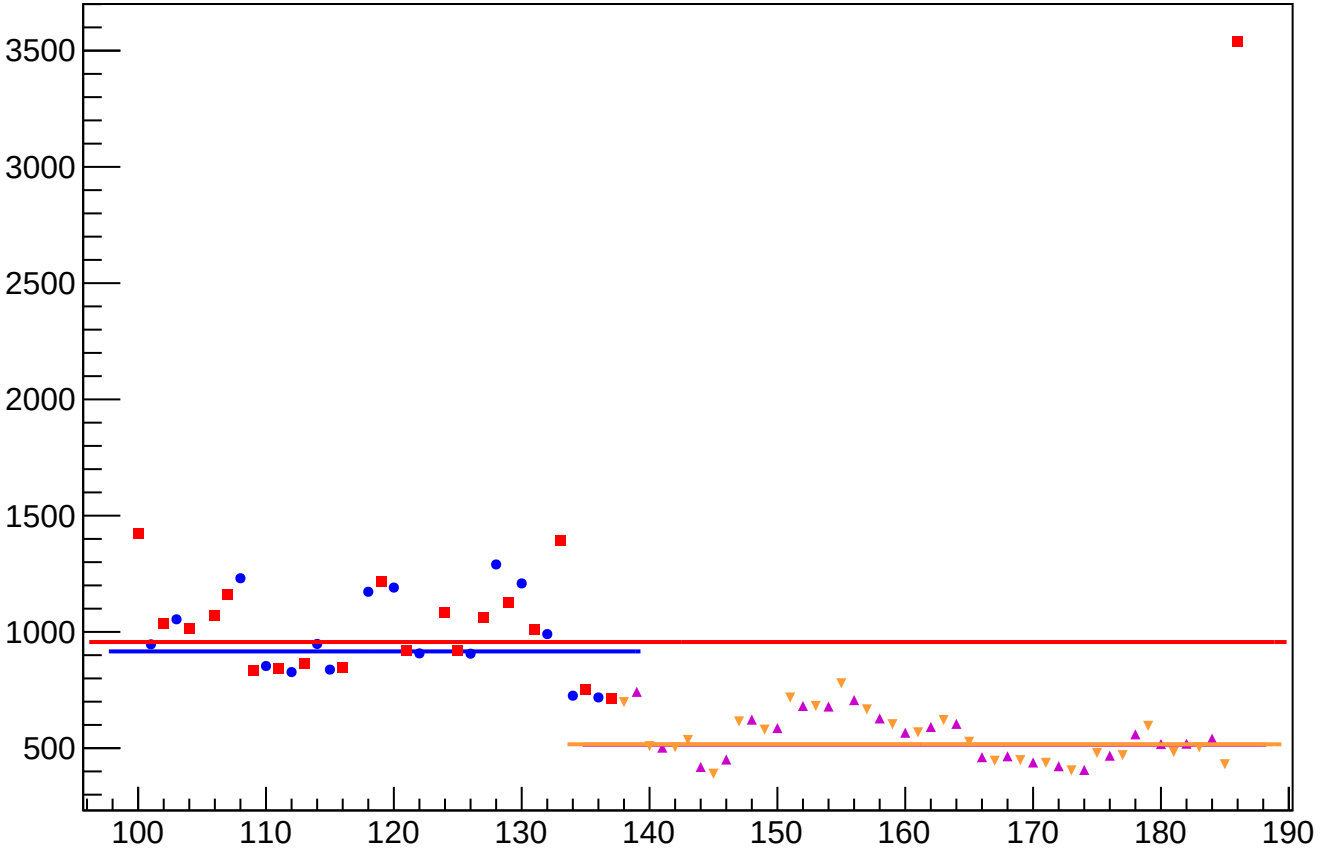
In: 63.667+/-0.009 χ^2/NDF:1157985.4/38

Out: 63.428+/-0.009 χ^2/NDF:1981225.5/44

All: 63.544+/-0.006 χ^2/NDF: 3139566.1/83


asym_sam_12345678_avg_eigen_cor_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: -437.415+/-348.881 χ²/NDF: 20.6/15
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: 707.141+/-352.780 χ²/NDF: 13.6/19
Left In: 88.333+/-122.492 χ²/NDF:24.6/22
Left: -250.783+/-85.624 χ²/NDF: 108.4/47
Right: 128.504+/-248.063 χ²/NDF: 39.5/35
In: 30.636+/-115.576 χ²/NDF:47.2/38
Out: -442.388+/-113.383 χ²/NDF:94.3/44
All: -210.405+/-80.938 χ²/NDF: 150.0/83

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 516.635+/-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

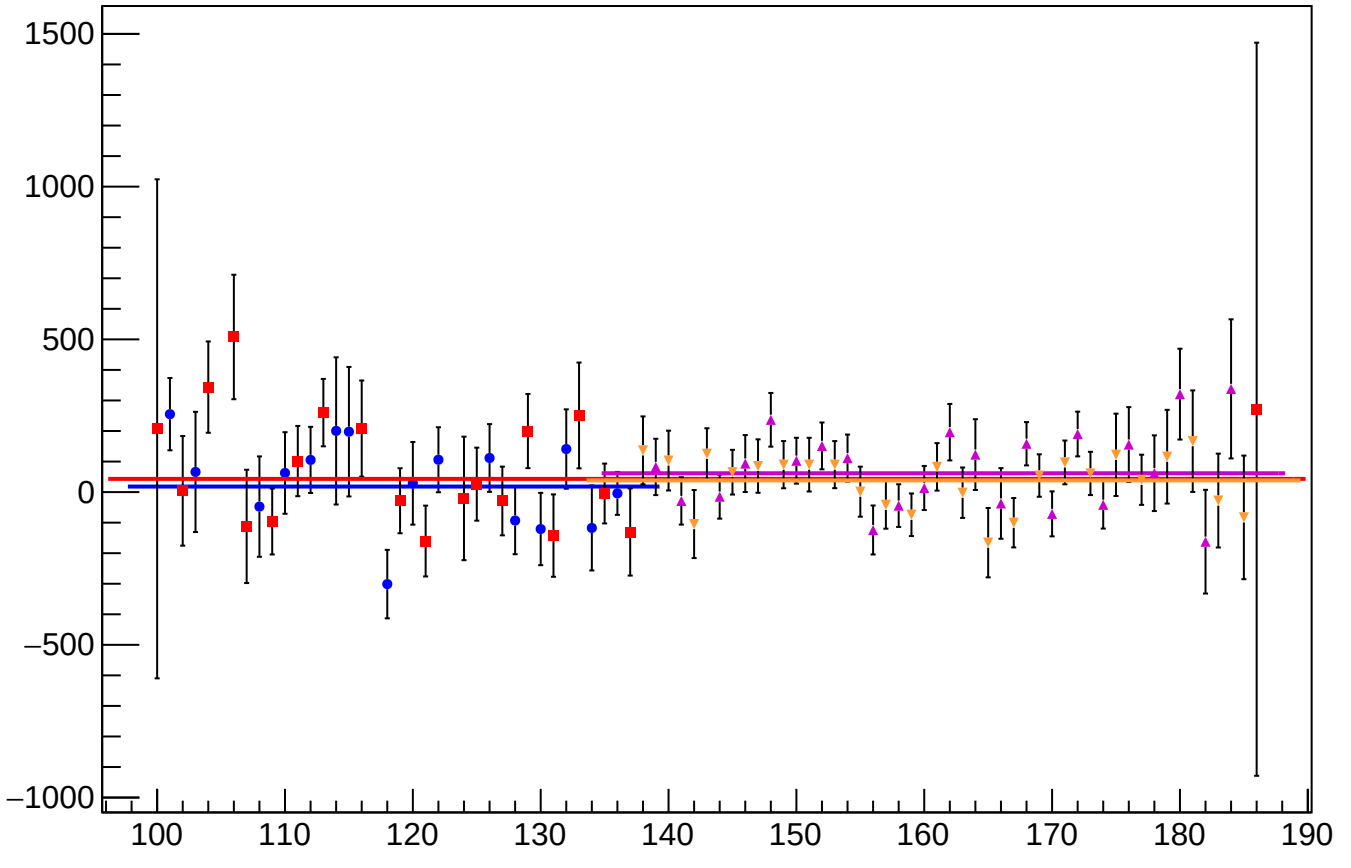
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 936.102+/-0.175 χ^2/NDF: 1358696.4/35

In: 558.831+/-0.082 χ^2/NDF:3986420.1/38

Out: 562.070+/-0.080 χ^2/NDF:4889324.9/44

All: 560.482+/-0.057 χ^2/NDF: 8876545.3/83



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

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

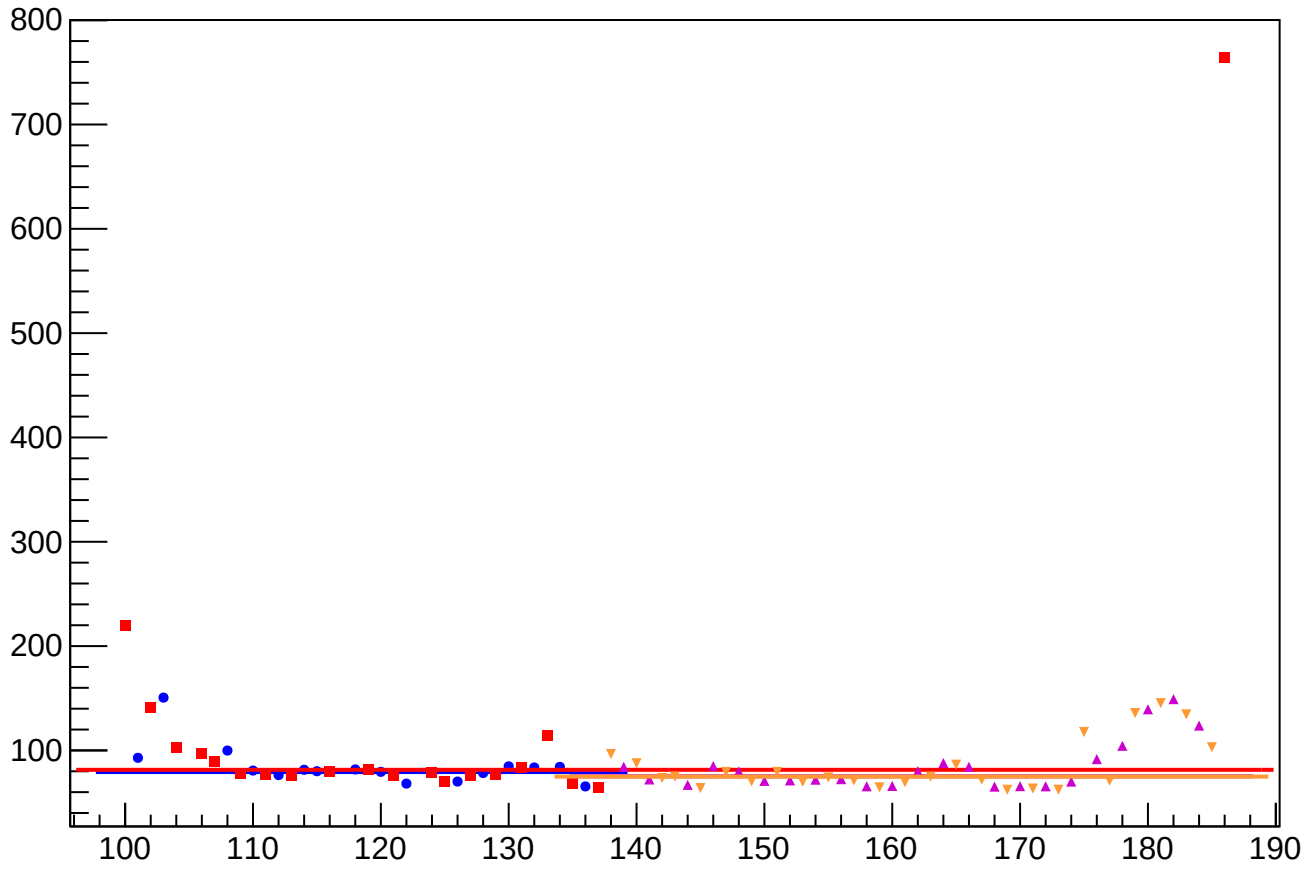
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 30.591+/-21.581 χ^2/NDF: 48.2/35

In: 50.211+/-15.603 χ^2/NDF:58.4/38

Out: 39.529+/-15.314 χ^2/NDF:46.6/44

All: 44.770+/-10.929 χ^2/NDF: 105.2/83



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

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

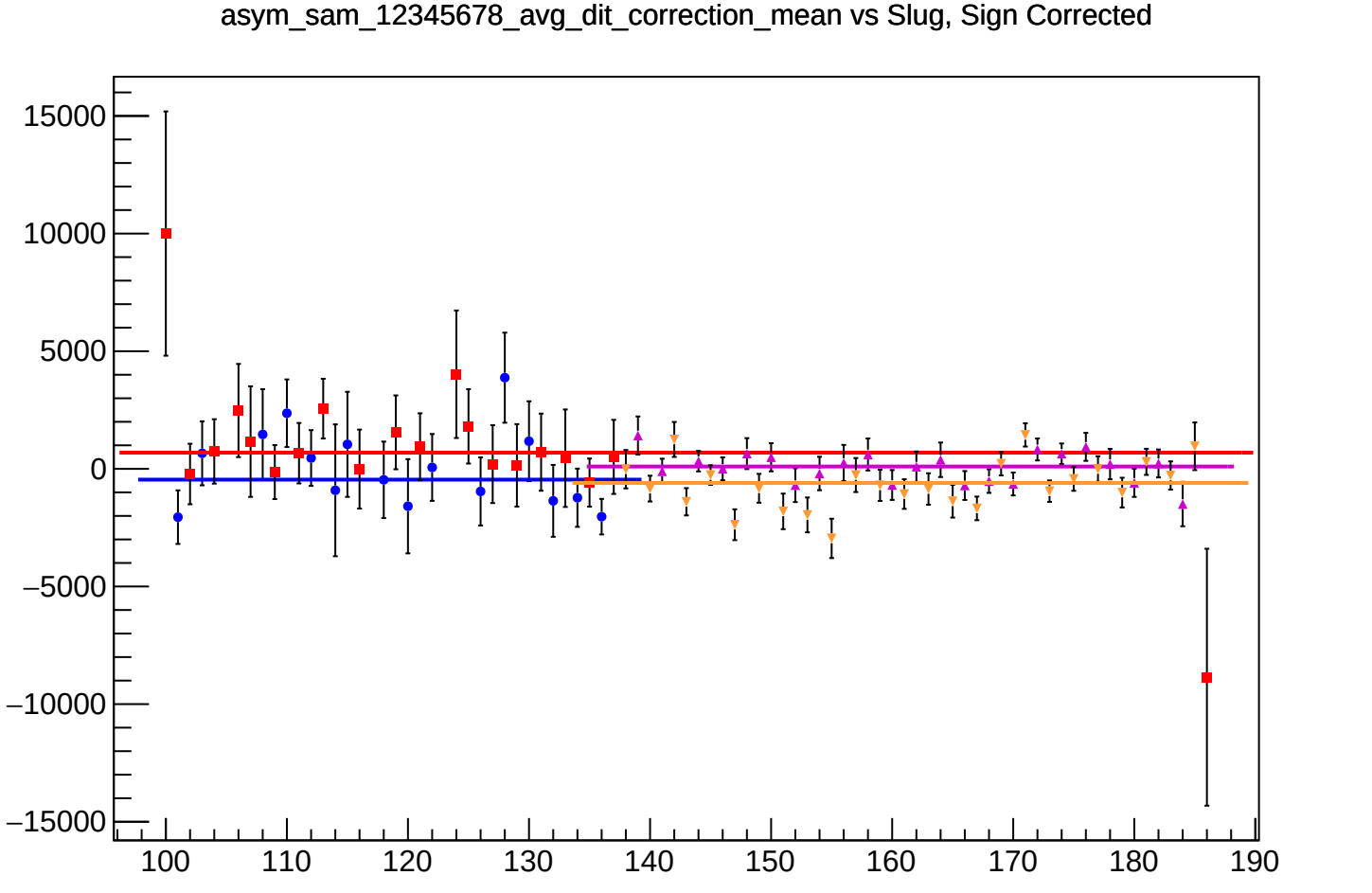
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 80.322+/-0.015 χ^2/NDF: 1611937.8/35

In: 76.241+/-0.011 χ^2/NDF:1784448.6/38

Out: 76.521+/-0.011 χ^2/NDF:2891023.4/44

All: 76.384+/-0.008 χ^2/NDF: 4675799.1/83



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

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

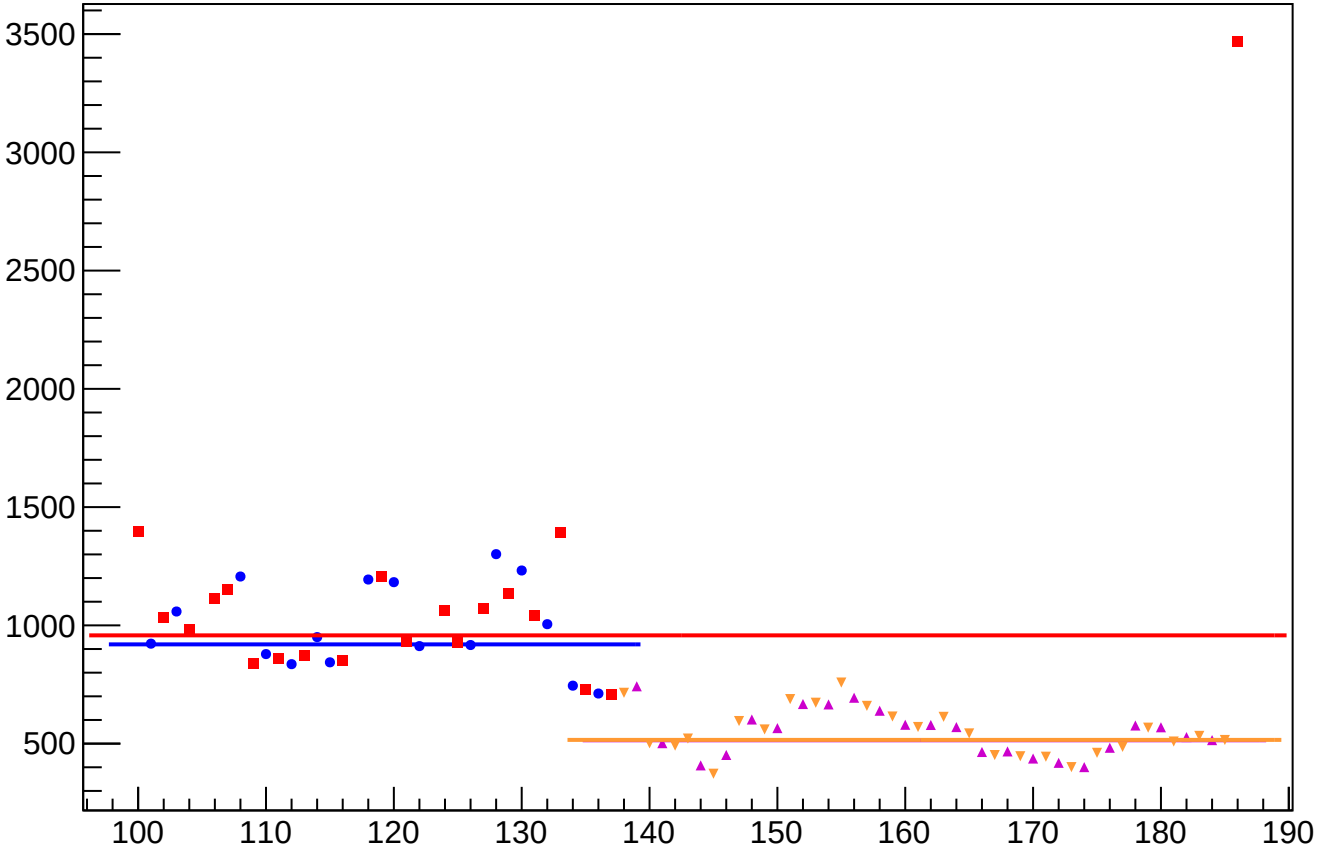
Right: 112.533+/-248.162 χ^2/NDF: 40.2/35

In: 38.484+/-115.466 χ^2/NDF:46.2/38

Out: -465.990+/-113.002 χ^2/NDF:91.7/44

All: -219.193+/-80.762 χ^2/NDF: 147.6/83

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 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

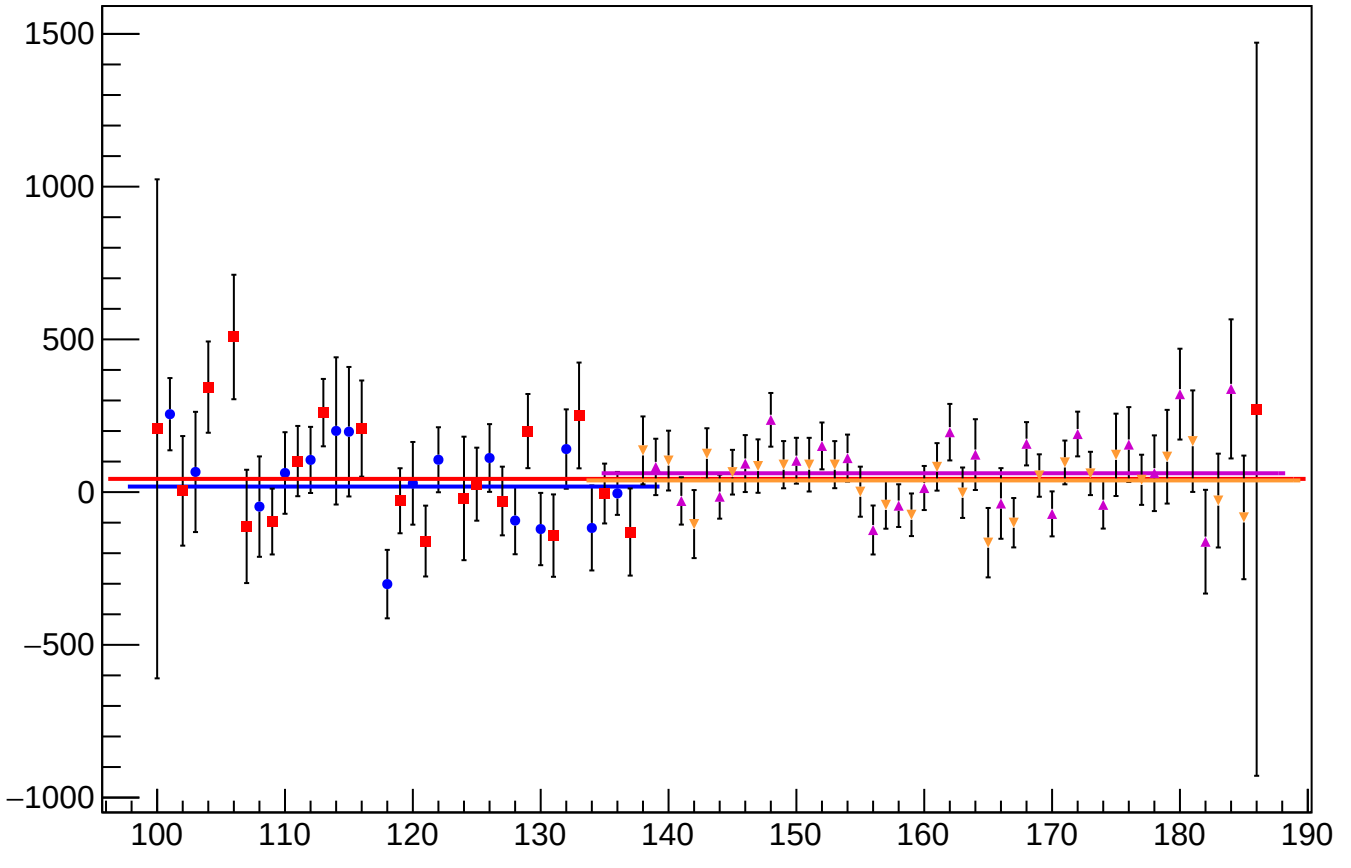
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 938.594+/-0.175 χ^2/NDF: 1377399.1/35

In: 558.207+/-0.082 χ^2/NDF:4024423.6/38

Out: 561.353+/-0.080 χ^2/NDF:4913117.2/44

All: 559.814+/-0.057 χ^2/NDF: 8938299.0/83



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

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

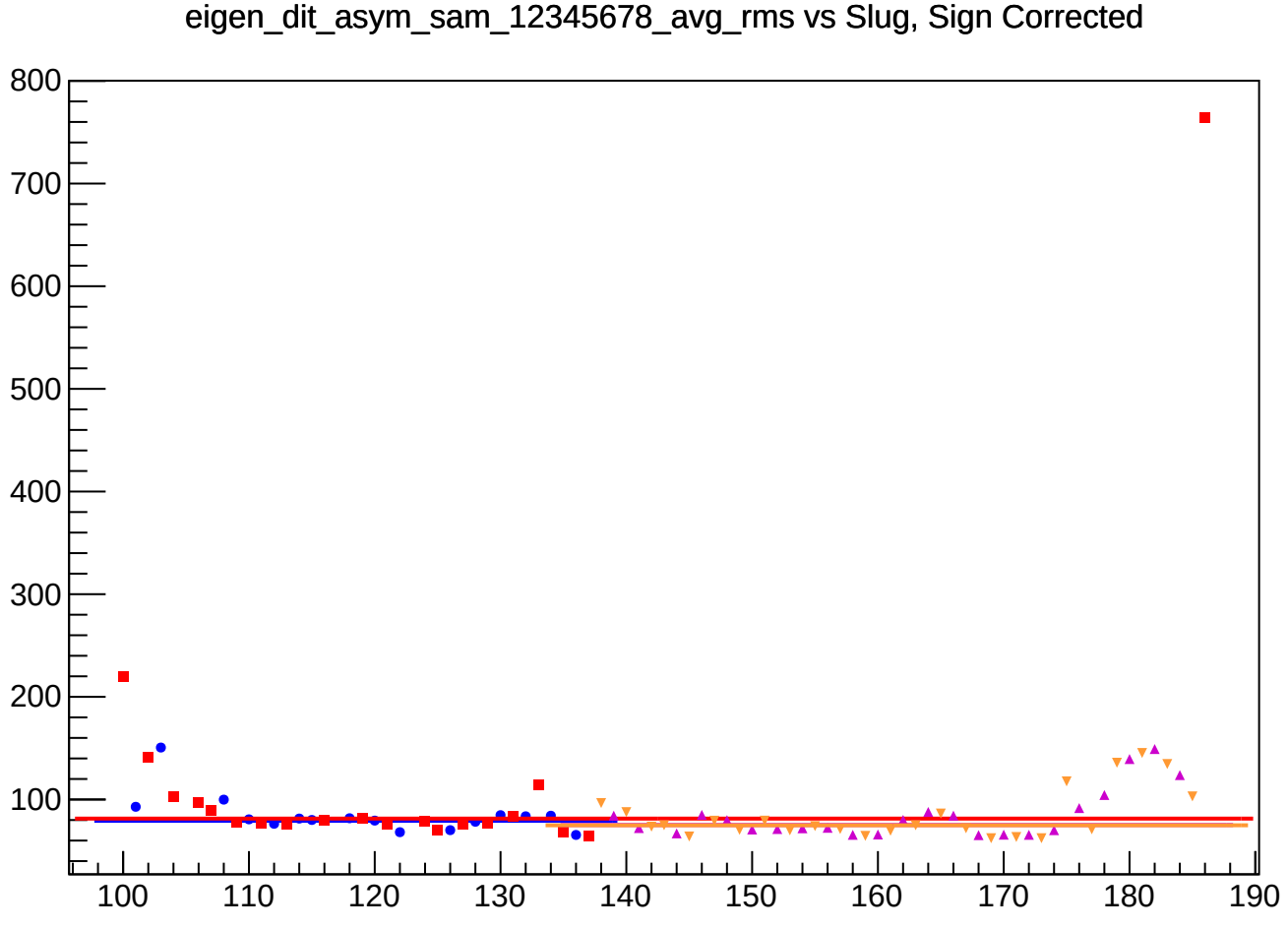
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 30.590+/-21.581 χ^2/NDF: 48.2/35

In: 50.210+/-15.603 χ^2/NDF:58.4/38

Out: 39.529+/-15.314 χ^2/NDF:46.6/44

All: 44.770+/-10.929 χ^2/NDF: 105.2/83



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

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

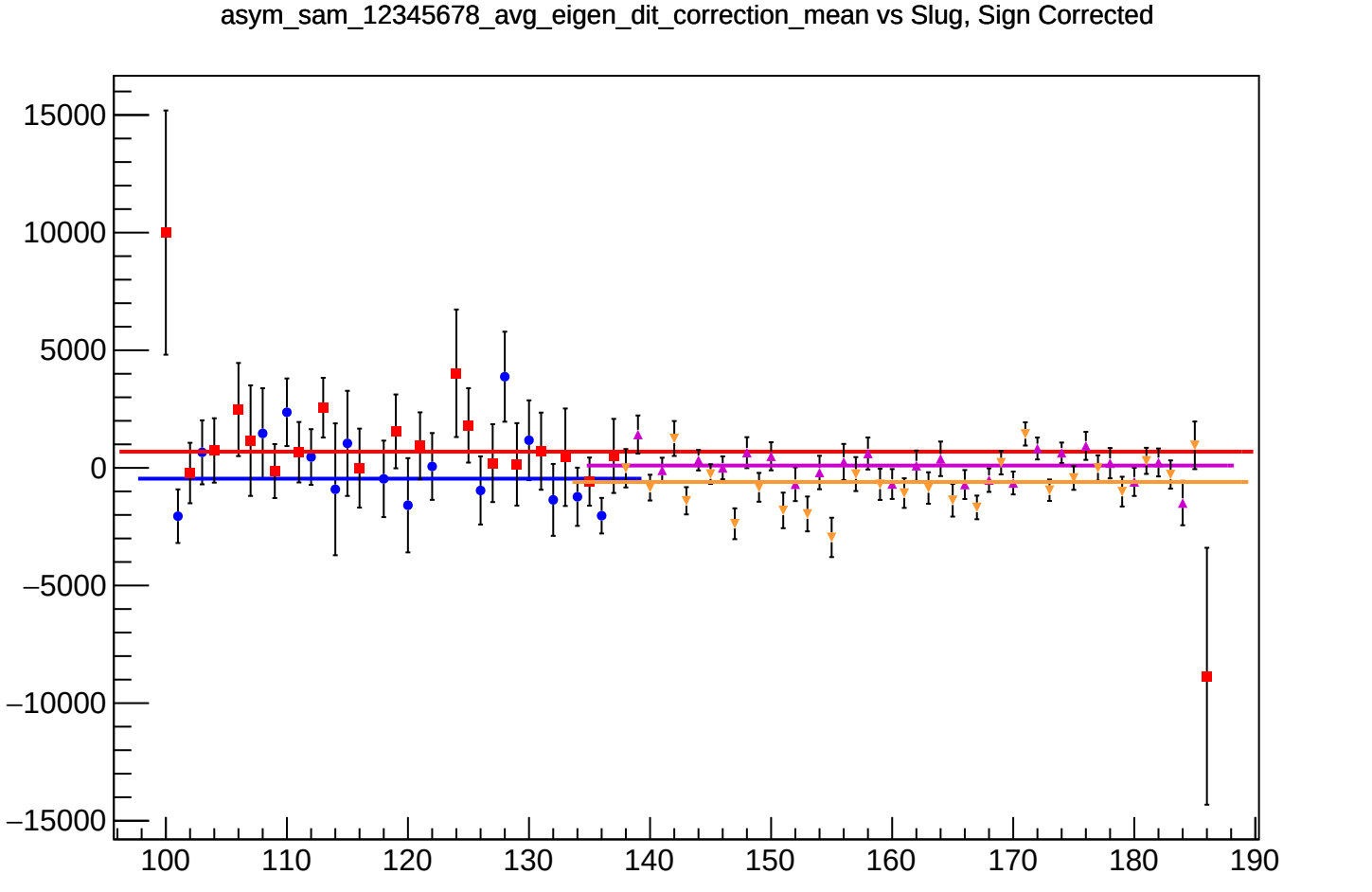
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 80.322+/-0.015 χ^2/NDF: 1611944.5/35

In: 76.242+/-0.011 χ^2/NDF:1784424.3/38

Out: 76.521+/-0.011 χ^2/NDF:2891022.2/44

All: 76.384+/-0.008 χ^2/NDF: 4675773.7/83



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

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

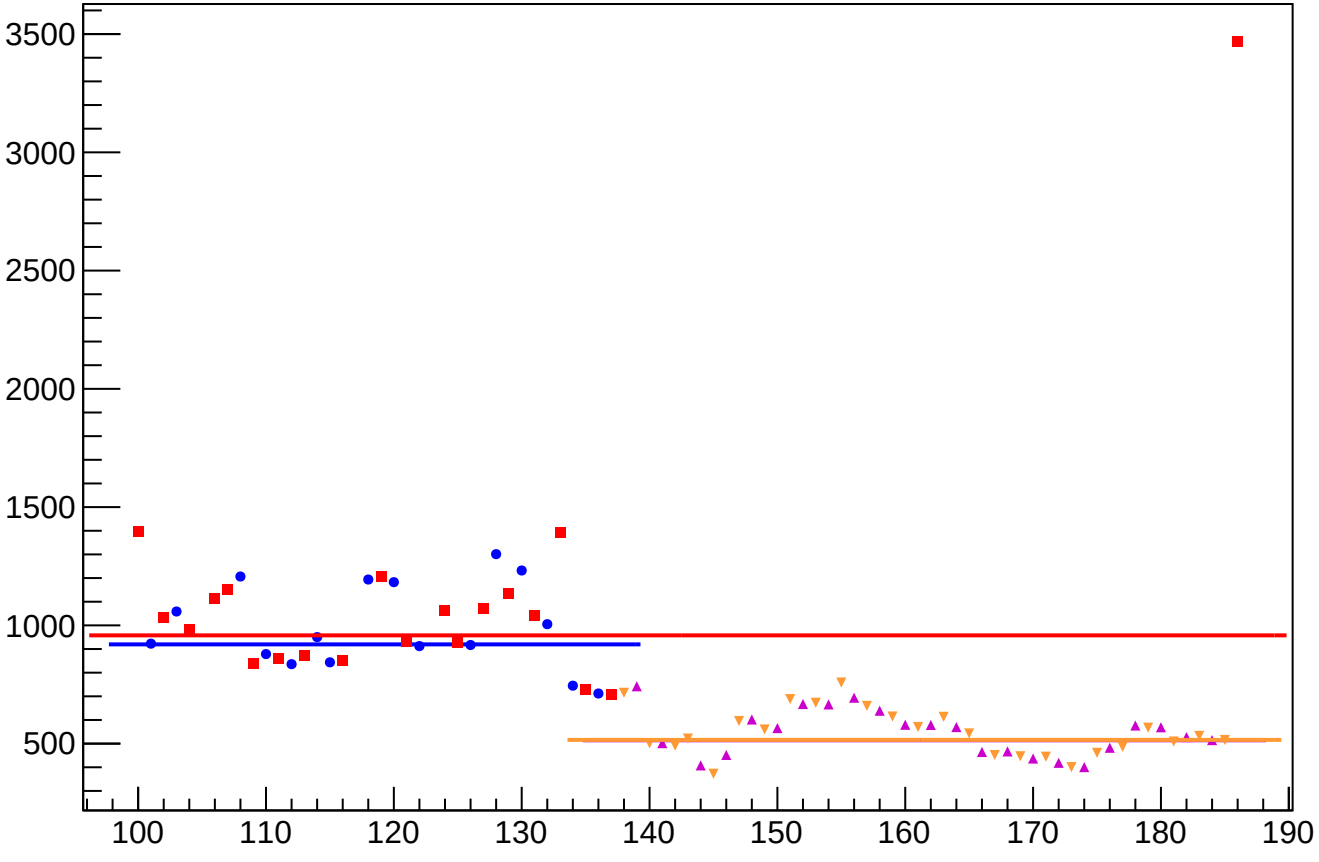
Right: 112.534+/-248.162 χ^2/NDF: 40.2/35

In: 38.483+/-115.466 χ^2/NDF:46.2/38

Out: -465.989+/-113.002 χ^2/NDF:91.7/44

All: -219.192+/-80.761 χ^2/NDF: 147.6/83

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 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

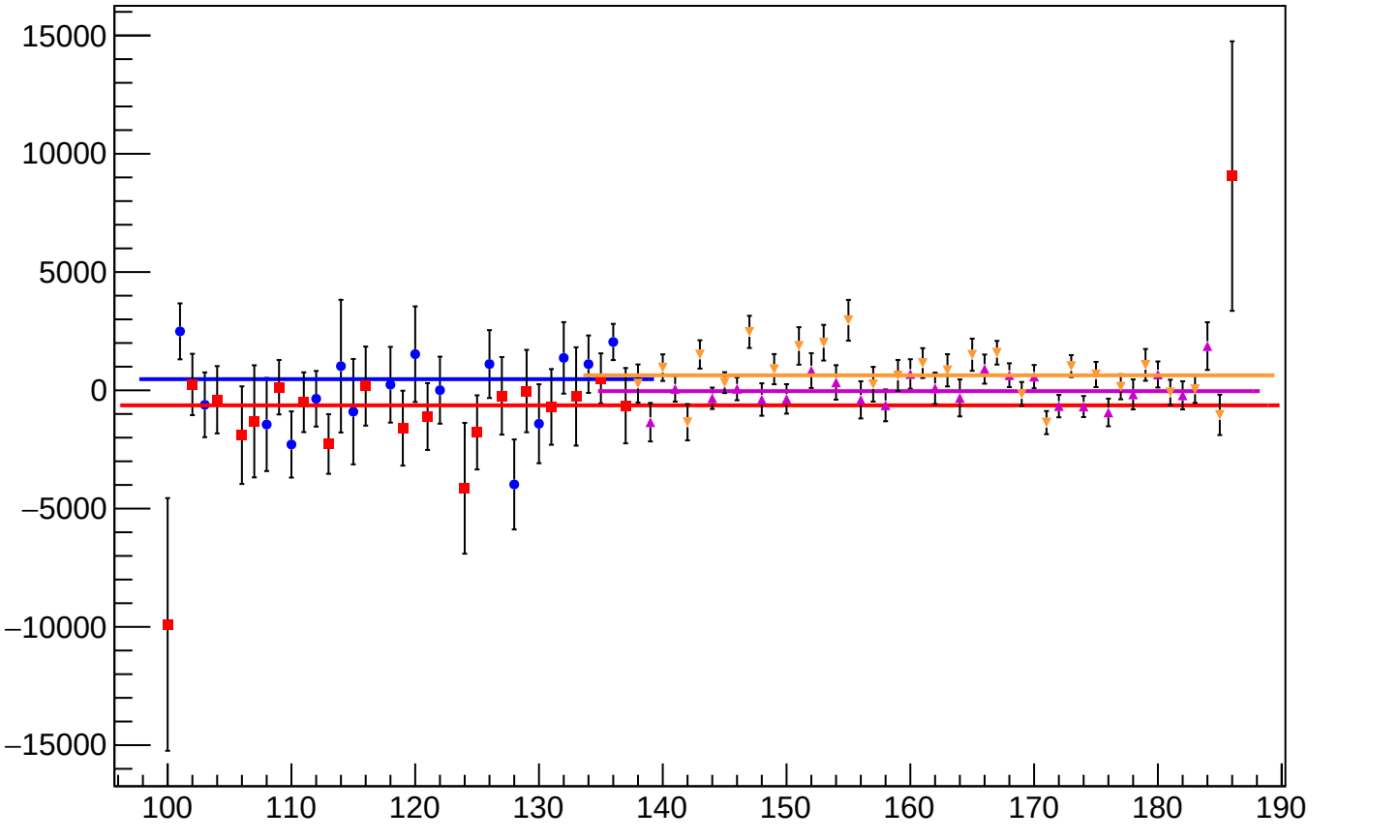
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 938.591+/-0.175 χ^2/NDF: 1377400.0/35

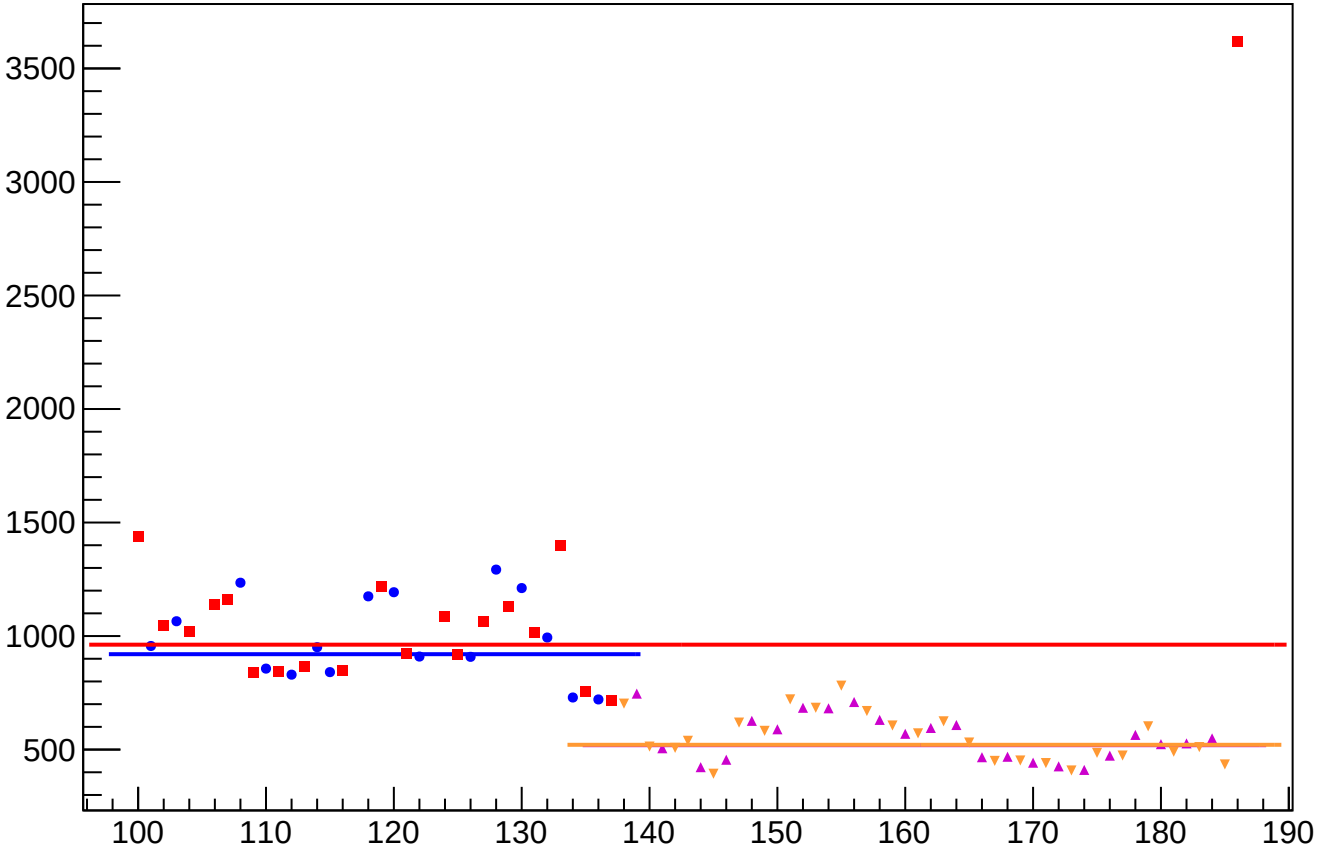
In: 558.206+/-0.082 χ^2/NDF:4024418.8/38

Out: 561.352+/-0.080 χ^2/NDF:4913116.7/44

All: 559.813+/-0.057 χ^2/NDF: 8938293.7/83


asym_sam_12345678_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 472.014+/-350.376 χ²/NDF: 21.5/15
Left Out: 634.783+/-120.717 χ²/NDF:64.5/24
Right Out: -635.015+/-353.828 χ²/NDF: 13.2/19
Left In: -34.808+/-123.517 χ²/NDF:25.1/22
Left: 307.664+/-86.333 χ²/NDF: 104.6/47
Right: -76.074+/-248.965 χ²/NDF: 39.6/35
In: 21.215+/-116.491 χ²/NDF:48.5/38
Out: 502.390+/-114.250 χ²/NDF:89.3/44
All: 266.474+/-81.568 χ²/NDF: 146.4/83

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

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

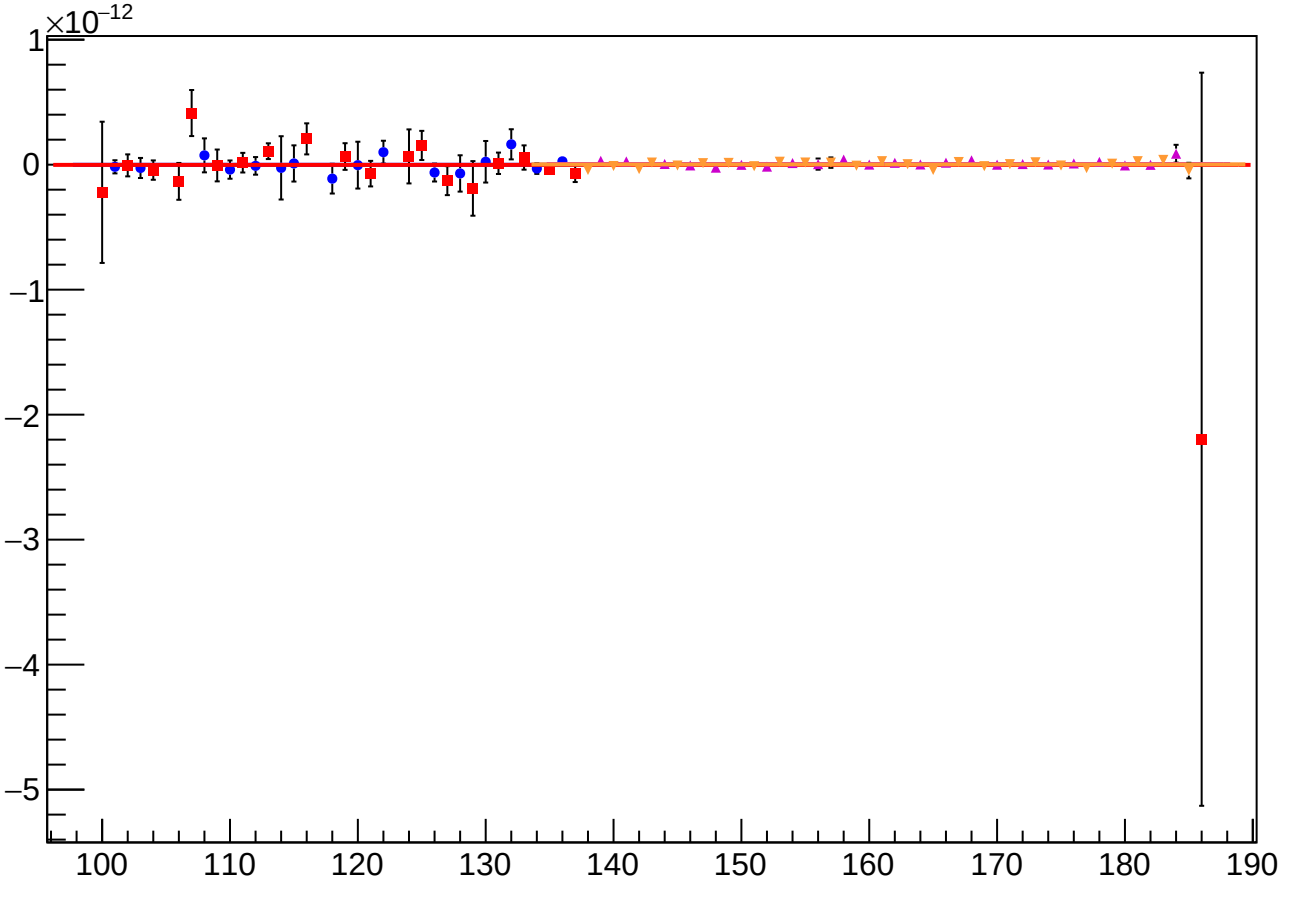
Right: 940.862+/-0.176 χ^2/NDF: 1375324.9/35

In: 563.553+/-0.082 χ^2/NDF:3938023.9/38

Out: 567.004+/-0.081 χ^2/NDF:4878241.0/44

All: 565.312+/-0.058 χ^2/NDF: 8817159.4/83

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/19

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

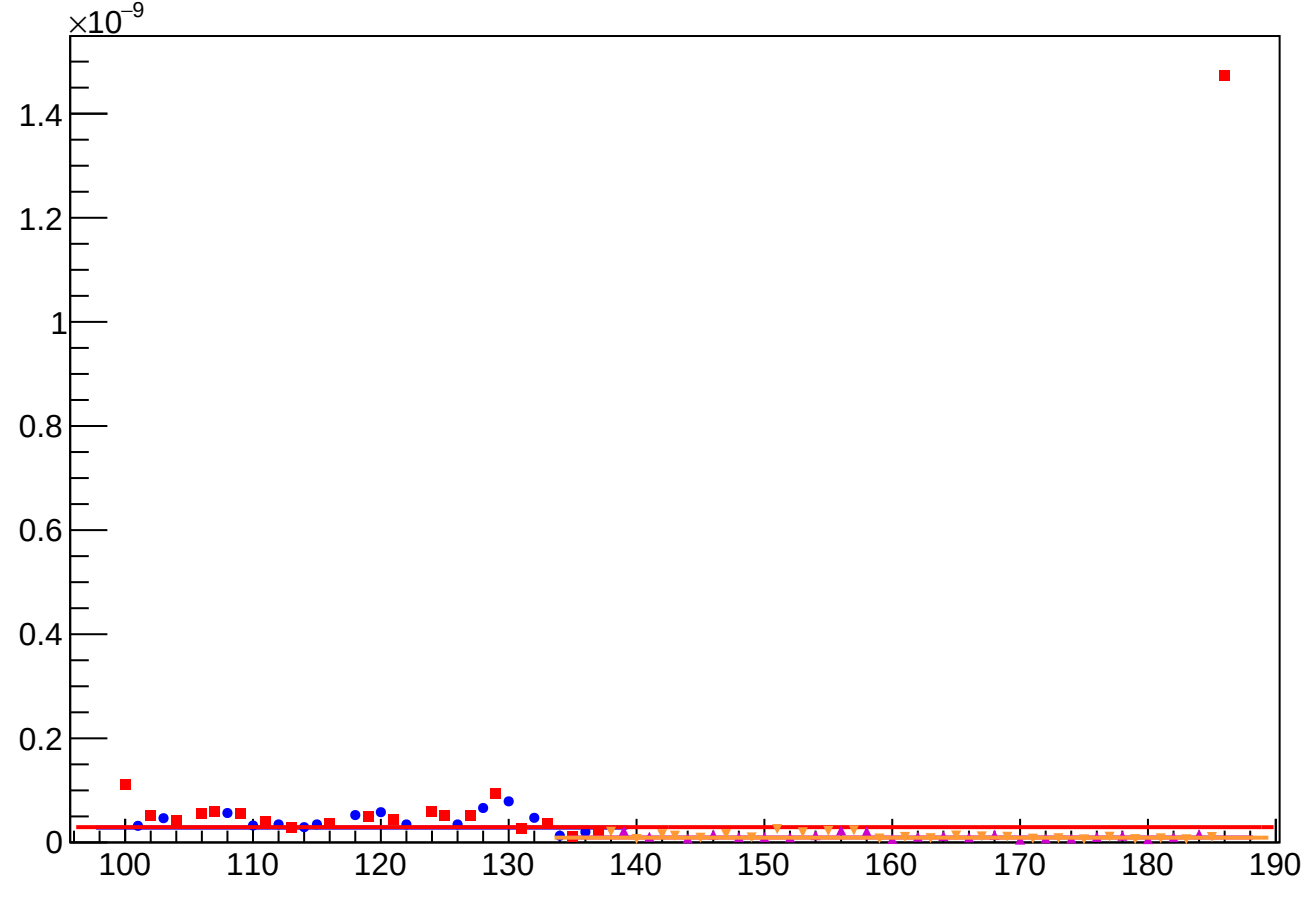
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 27.0/35

In: 0.000+/-0.000 χ^2/NDF:17.9/38

Out: 0.000+/-0.000 χ^2/NDF:42.4/44

All: 0.000+/-0.000 χ^2/NDF: 60.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

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

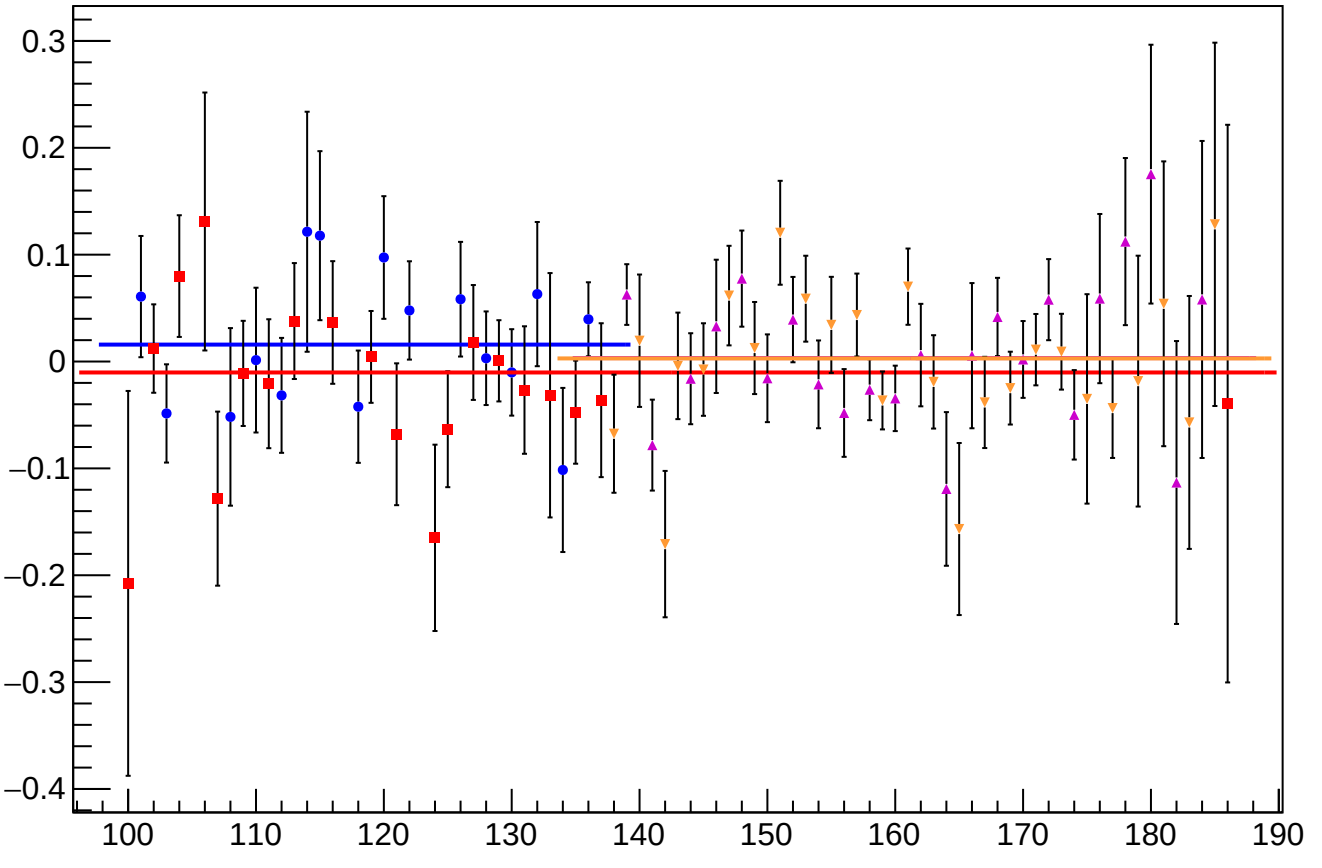
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3285630.0/35

In: 0.000+/-0.000 χ^2/NDF:4930730.6/38

Out: 0.000+/-0.000 χ^2/NDF:6380808.2/44

All: 0.000+/-0.000 χ^2/NDF: 11331763.6/83



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

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

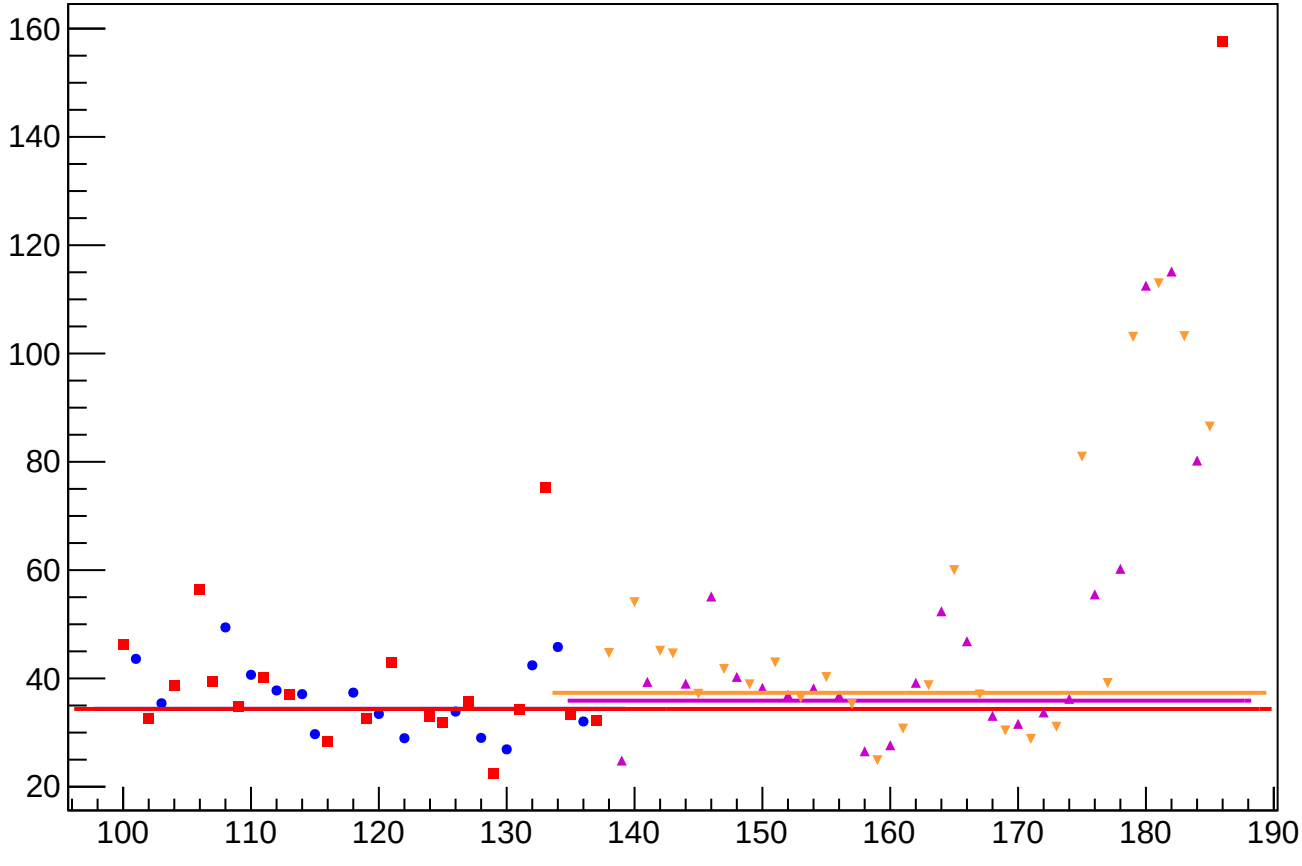
Right: 0.003+/-0.009 χ^2/NDF: 31.8/35

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 94.5/83

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 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

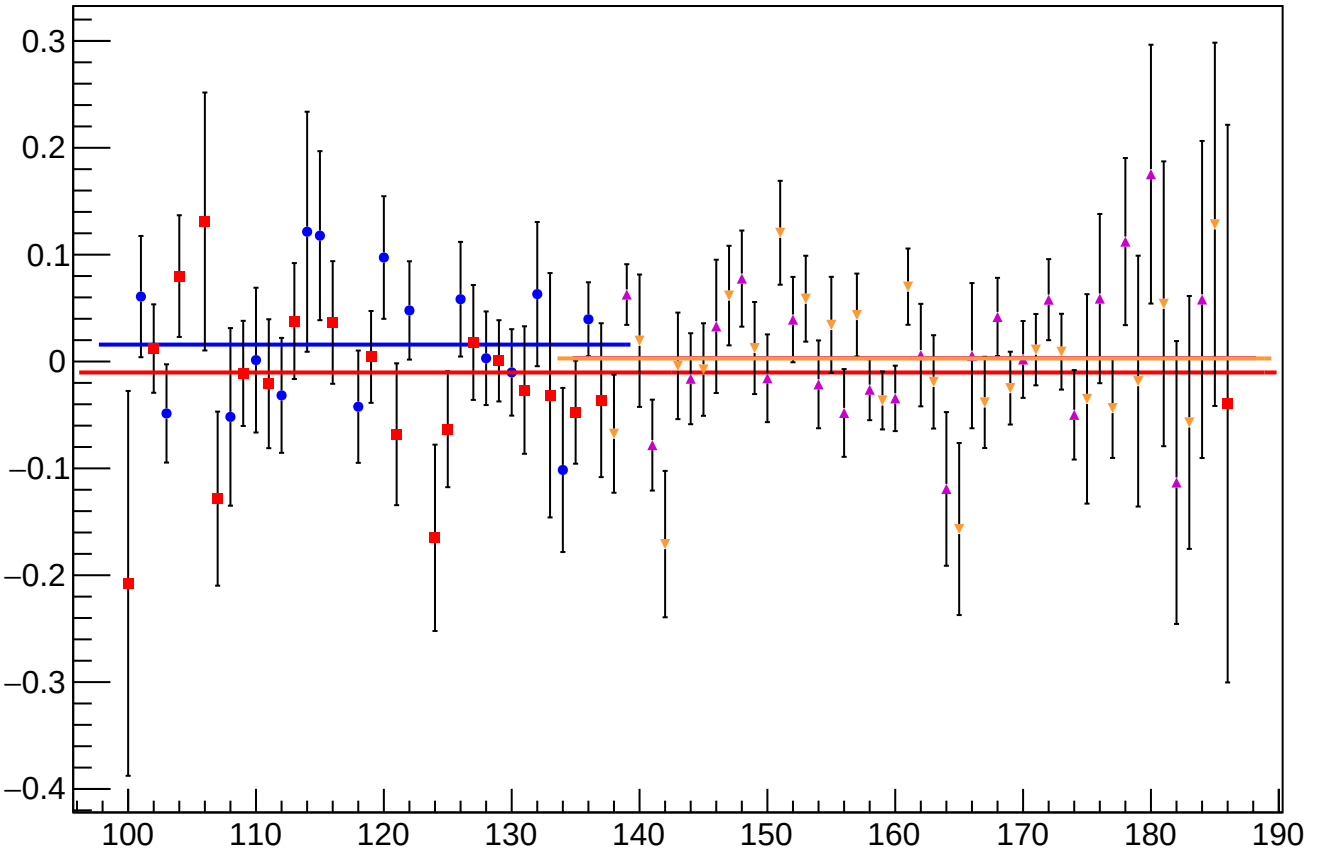
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.372+/-0.007 χ^2/NDF: 1457793.3/35

In: 35.414+/-0.005 χ^2/NDF:3523588.1/38

Out: 36.360+/-0.005 χ^2/NDF:4854979.3/44

All: 35.886+/-0.004 χ^2/NDF: 8394197.9/83



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

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

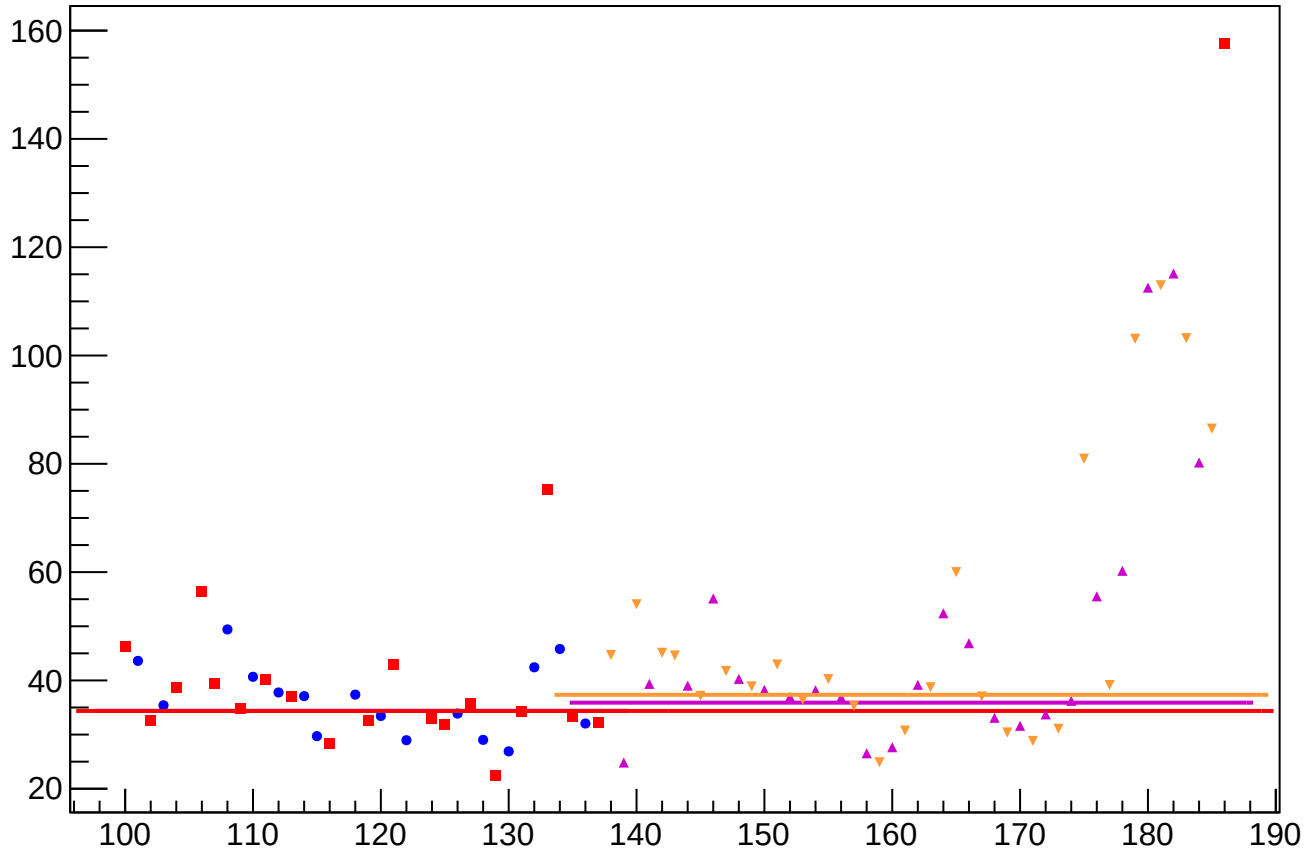
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

Right: 0.003+/-0.009 χ^2/NDF: 31.8/35

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 94.5/83



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

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

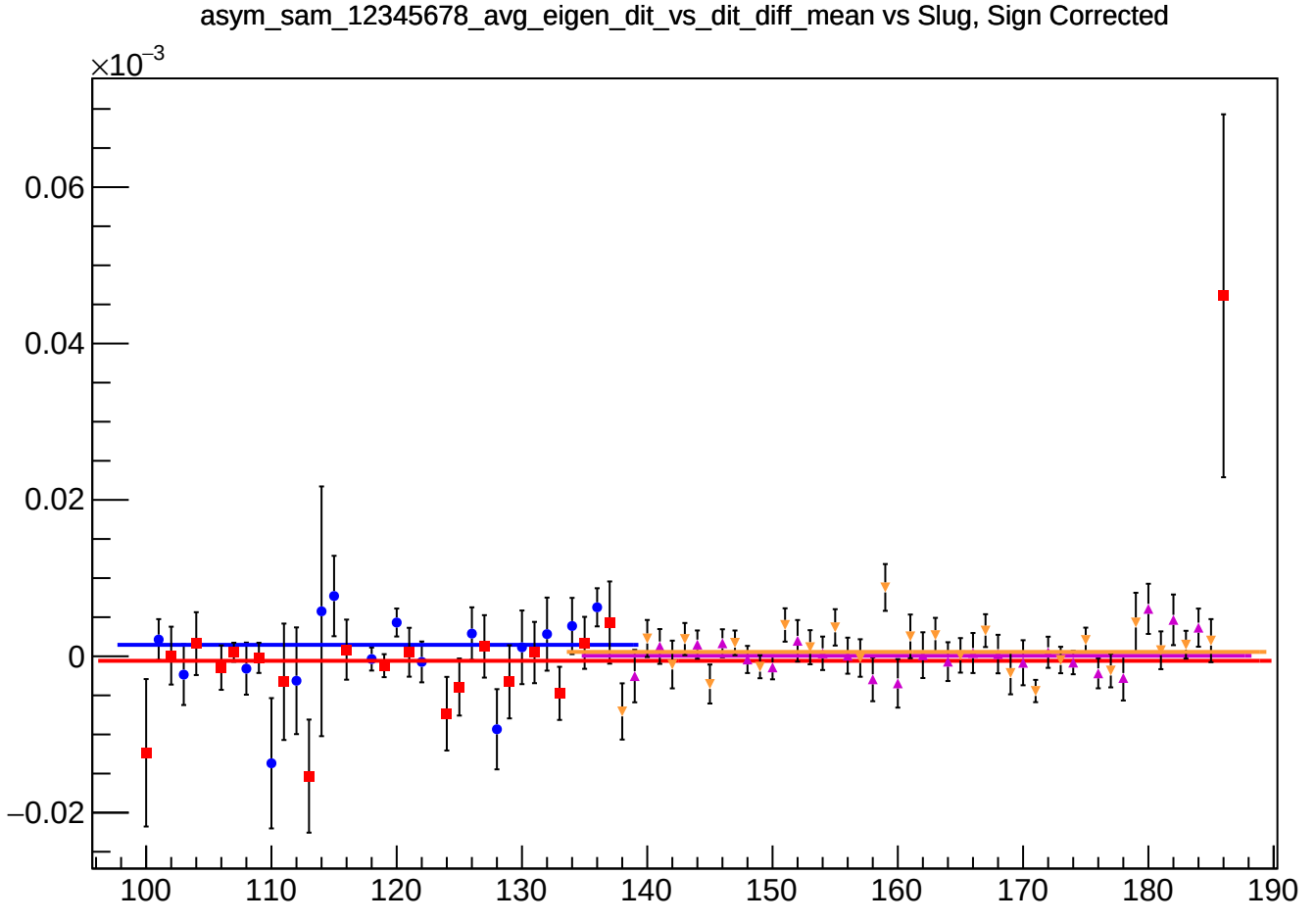
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.372+/-0.007 χ^2/NDF: 1457793.3/35

In: 35.414+/-0.005 χ^2/NDF:3523588.1/38

Out: 36.360+/-0.005 χ^2/NDF:4854979.3/44

All: 35.886+/-0.004 χ^2/NDF: 8394197.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

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

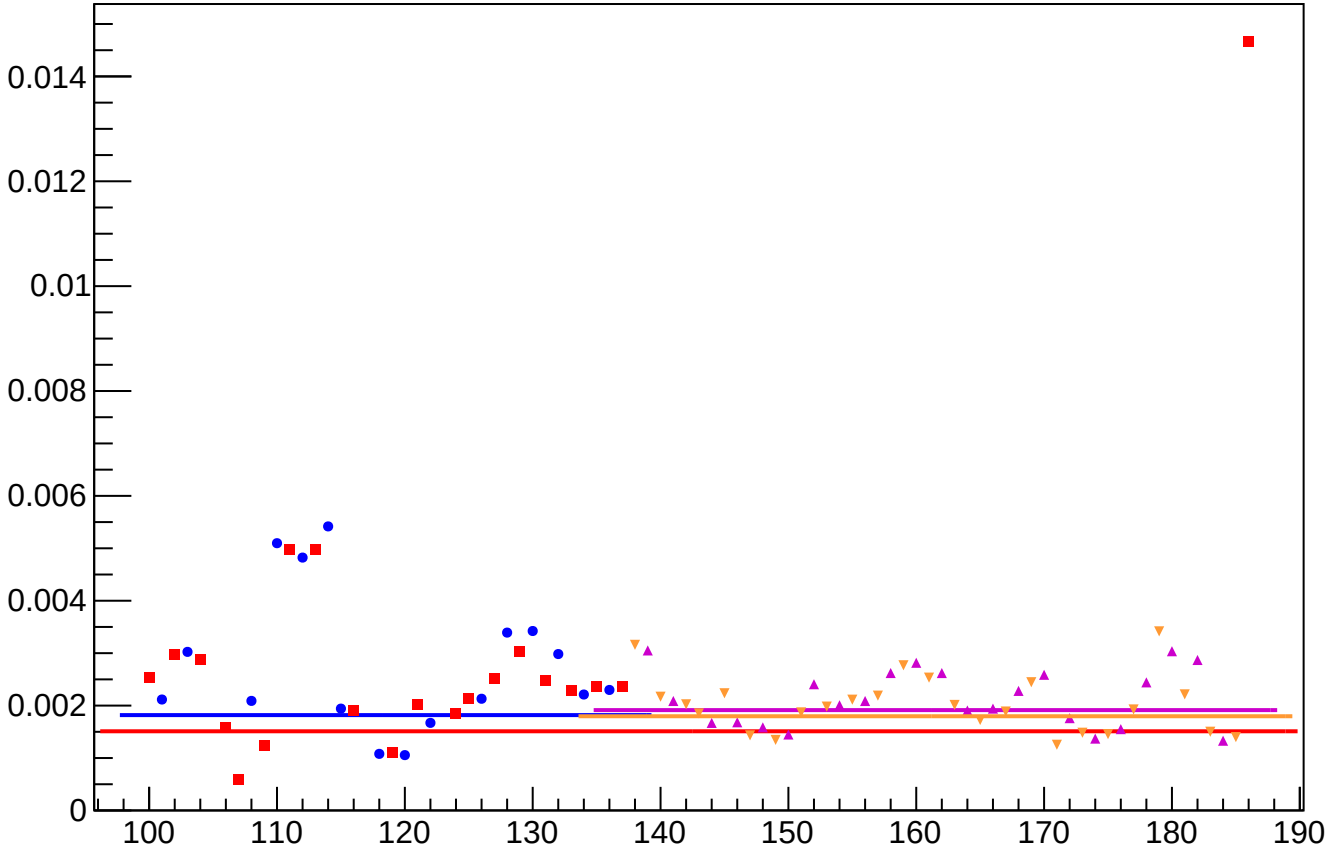
Right: 0.000+/-0.000 χ^2/NDF: 43.2/35

In: 0.000+/-0.000 χ^2/NDF:40.4/38

Out: 0.000+/-0.000 χ^2/NDF:63.7/44

All: 0.000+/-0.000 χ^2/NDF: 104.3/83

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF: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

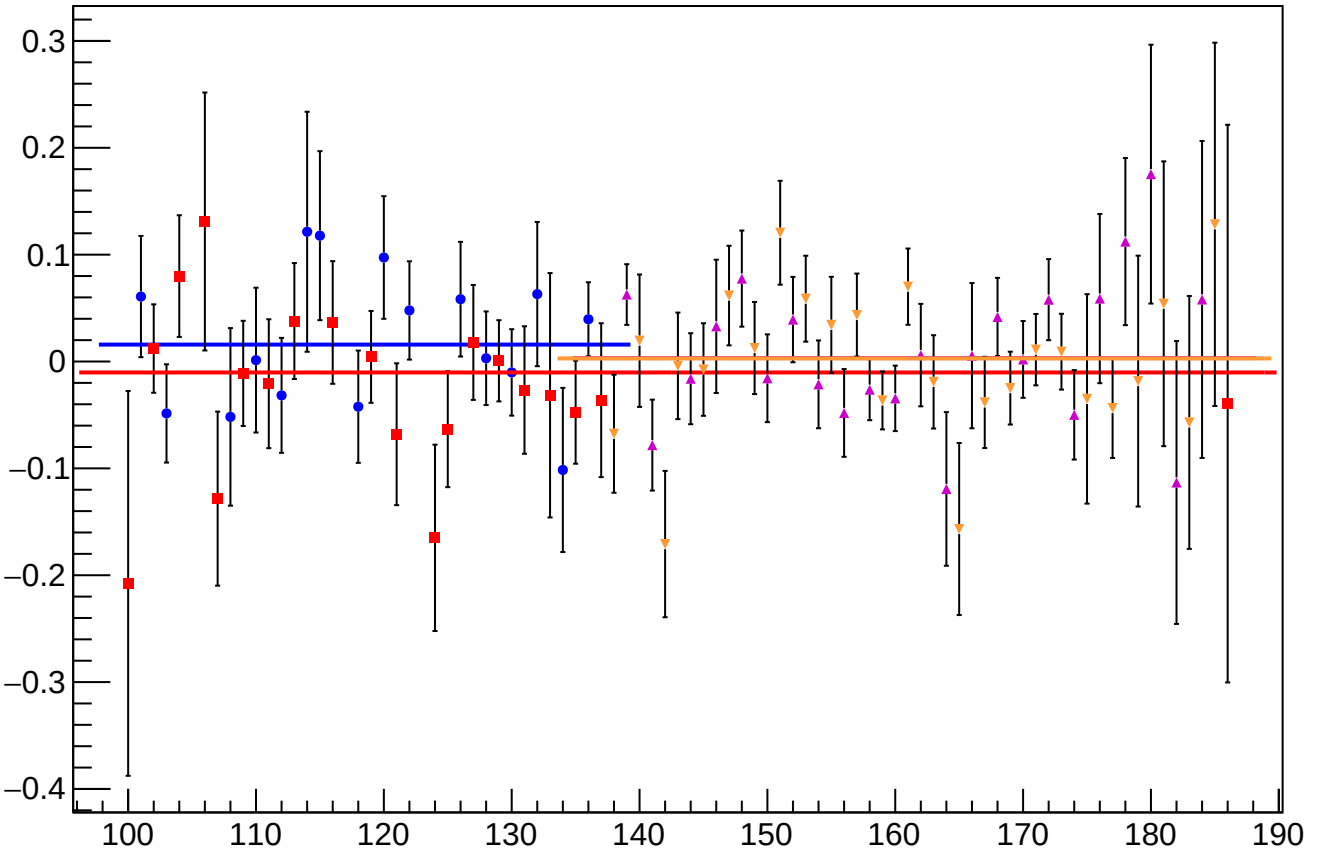
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.002+/-0.000 χ^2/NDF: 7095937.2/35

In: 0.002+/-0.000 χ^2/NDF:4765120.5/38

Out: 0.002+/-0.000 χ^2/NDF:6886839.8/44

All: 0.002+/-0.000 χ^2/NDF: 11874233.9/83



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

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

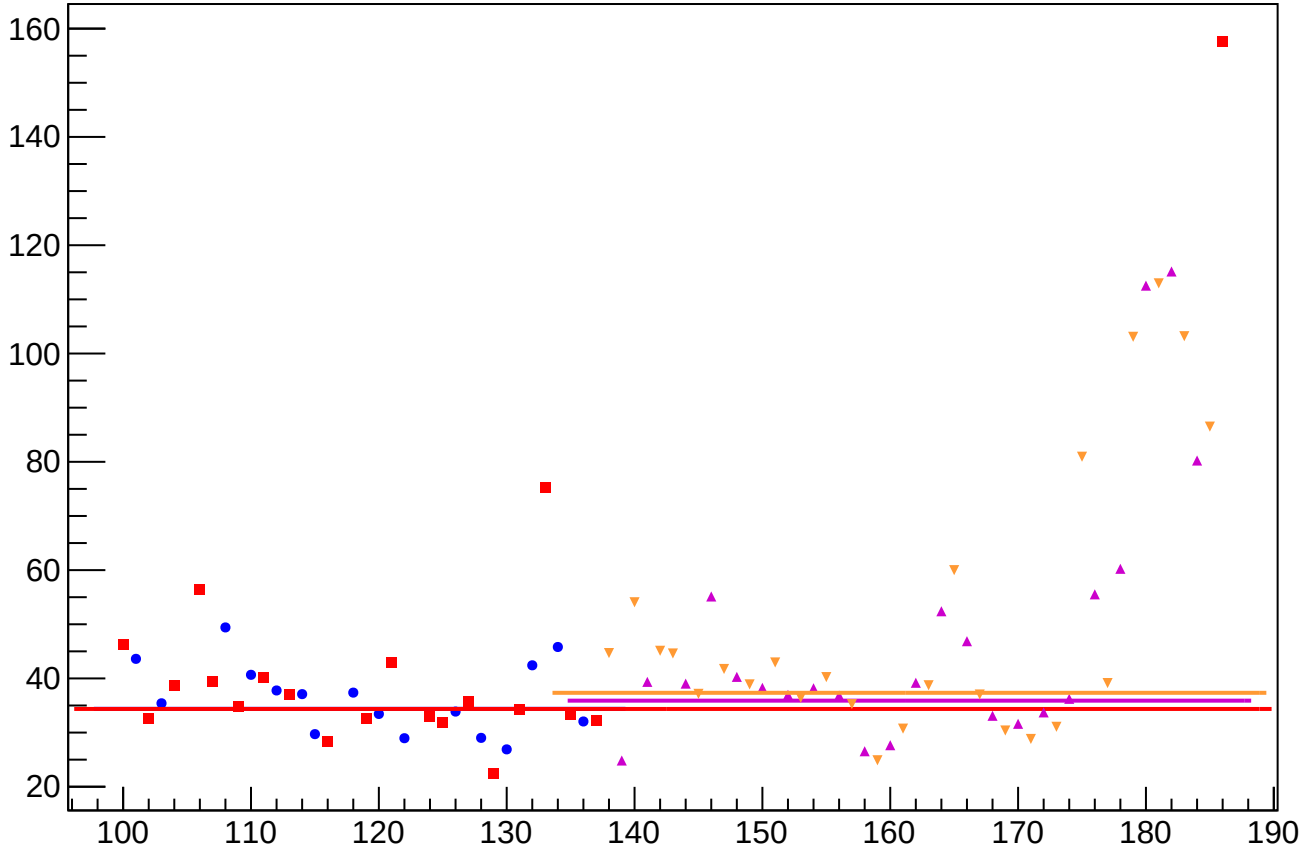
Right: 0.003+/-0.009 χ^2/NDF: 31.8/35

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 94.5/83

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 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

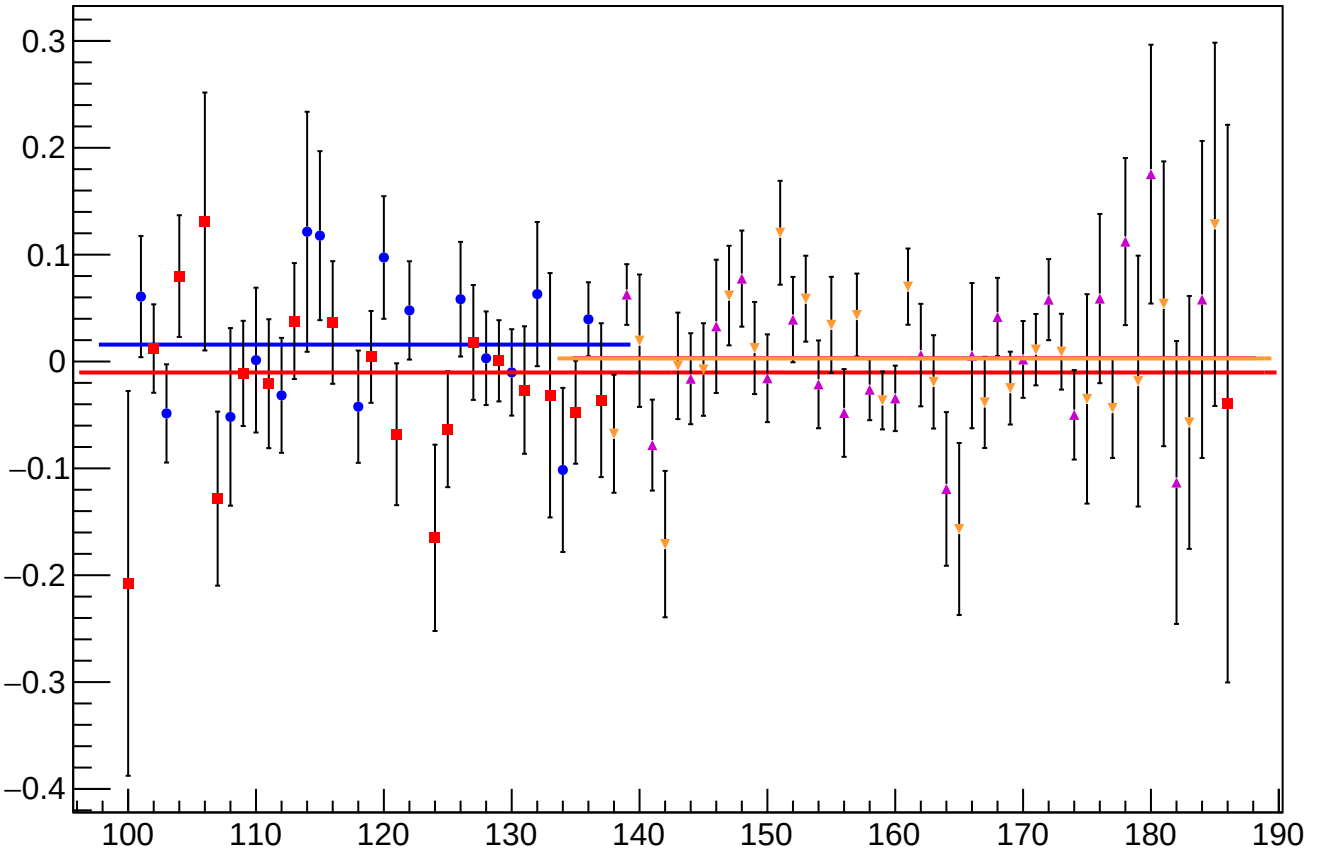
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 34.372+/-0.007 χ^2/NDF: 1457906.9/35

In: 35.414+/-0.005 χ^2/NDF:3523685.8/38

Out: 36.360+/-0.005 χ^2/NDF:4855120.7/44

All: 35.886+/-0.004 χ^2/NDF: 8394436.5/83



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

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

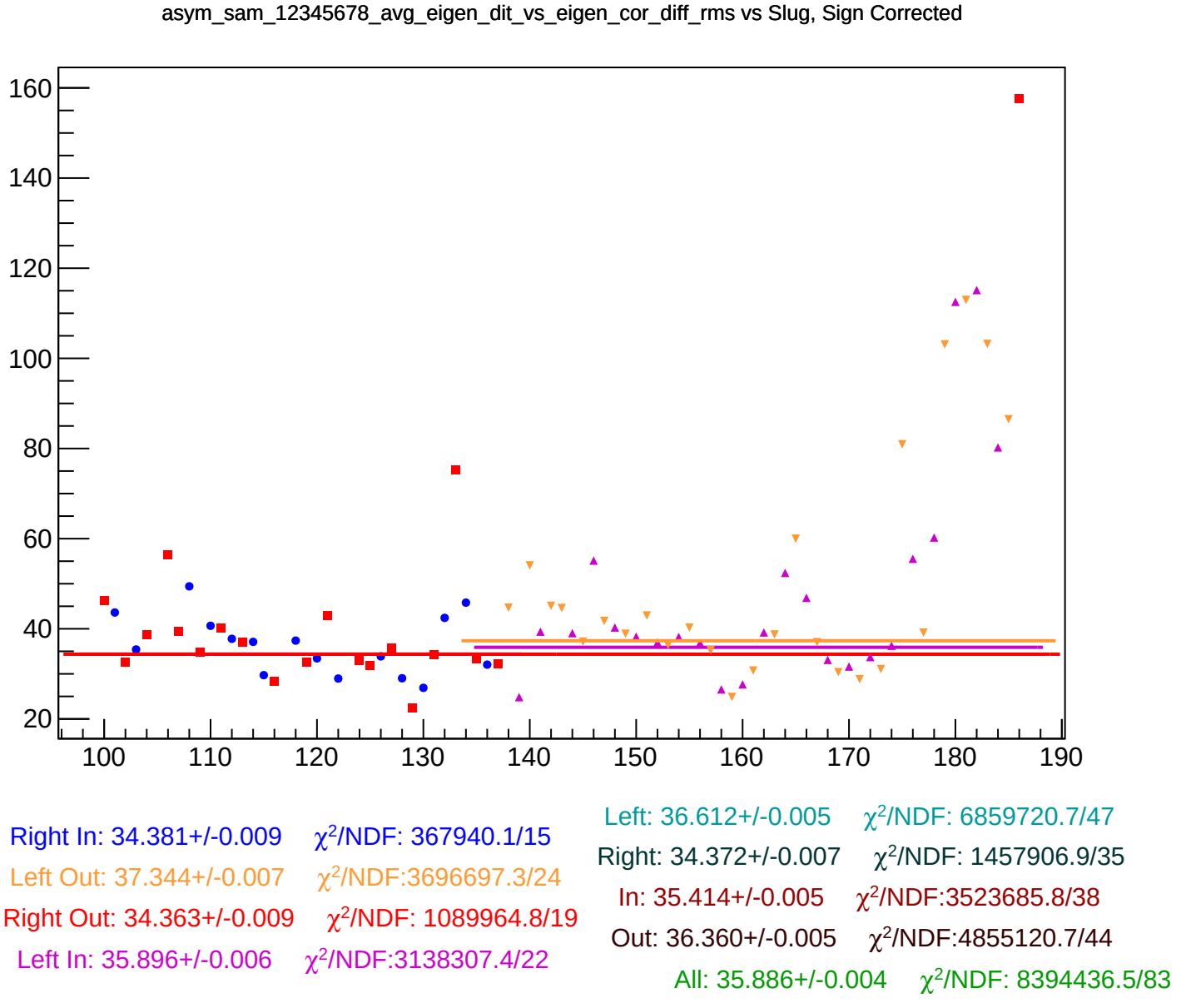
Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

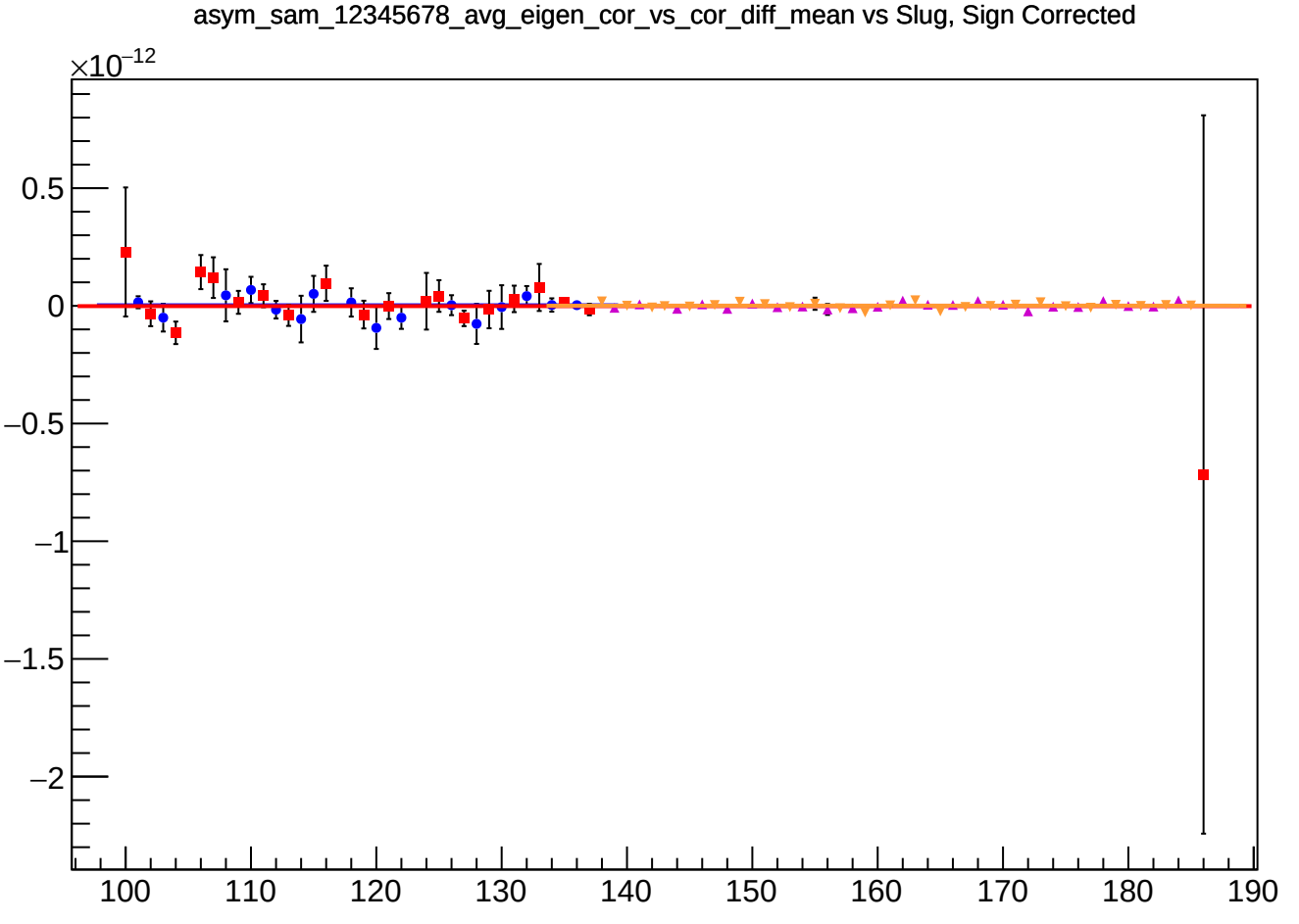
Right: 0.003+/-0.009 χ^2/NDF: 31.8/35

In: 0.007+/-0.008 χ^2/NDF:45.2/38

Out: -0.001+/-0.008 χ^2/NDF:48.7/44

All: 0.003+/-0.005 χ^2/NDF: 94.5/83


asym_sam_12345678_avg_eigen_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: 34.381+/-0.009 χ2/NDF: 367940.1/15
Left Out: 37.344+/-0.007 χ2/NDF:3696697.3/24
Right Out: 34.363+/-0.009 χ2/NDF: 1089964.8/19
Left In: 35.896+/-0.006 χ2/NDF:3138307.4/22
Left: 36.612+/-0.005 χ2/NDF: 6859720.7/47
Right: 34.372+/-0.007 χ2/NDF: 1457906.9/35
In: 35.414+/-0.005 χ2/NDF:3523685.8/38
Out: 36.360+/-0.005 χ2/NDF:4855120.7/44
All: 35.886+/-0.004 χ2/NDF: 8394436.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/19

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

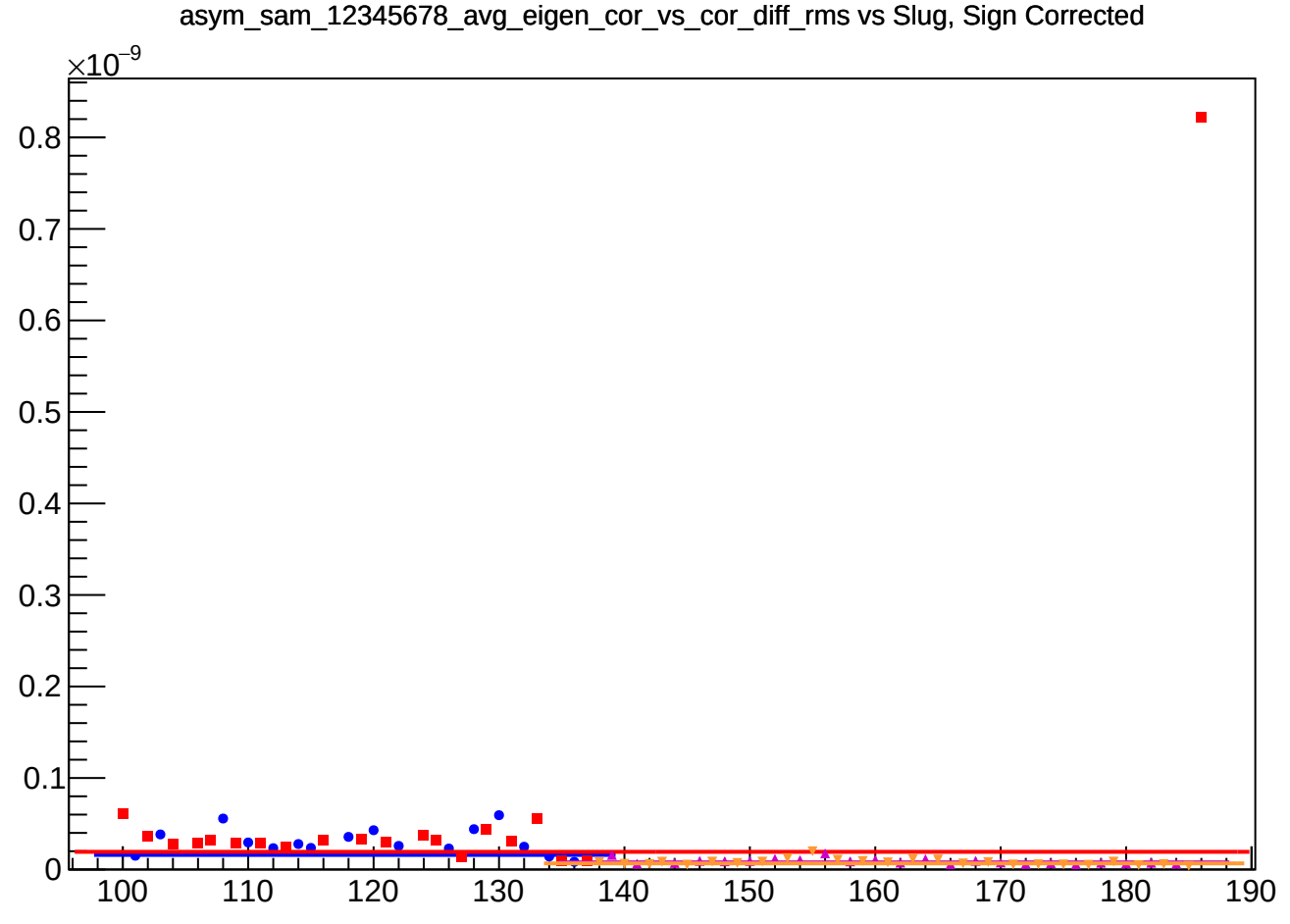
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 29.5/35

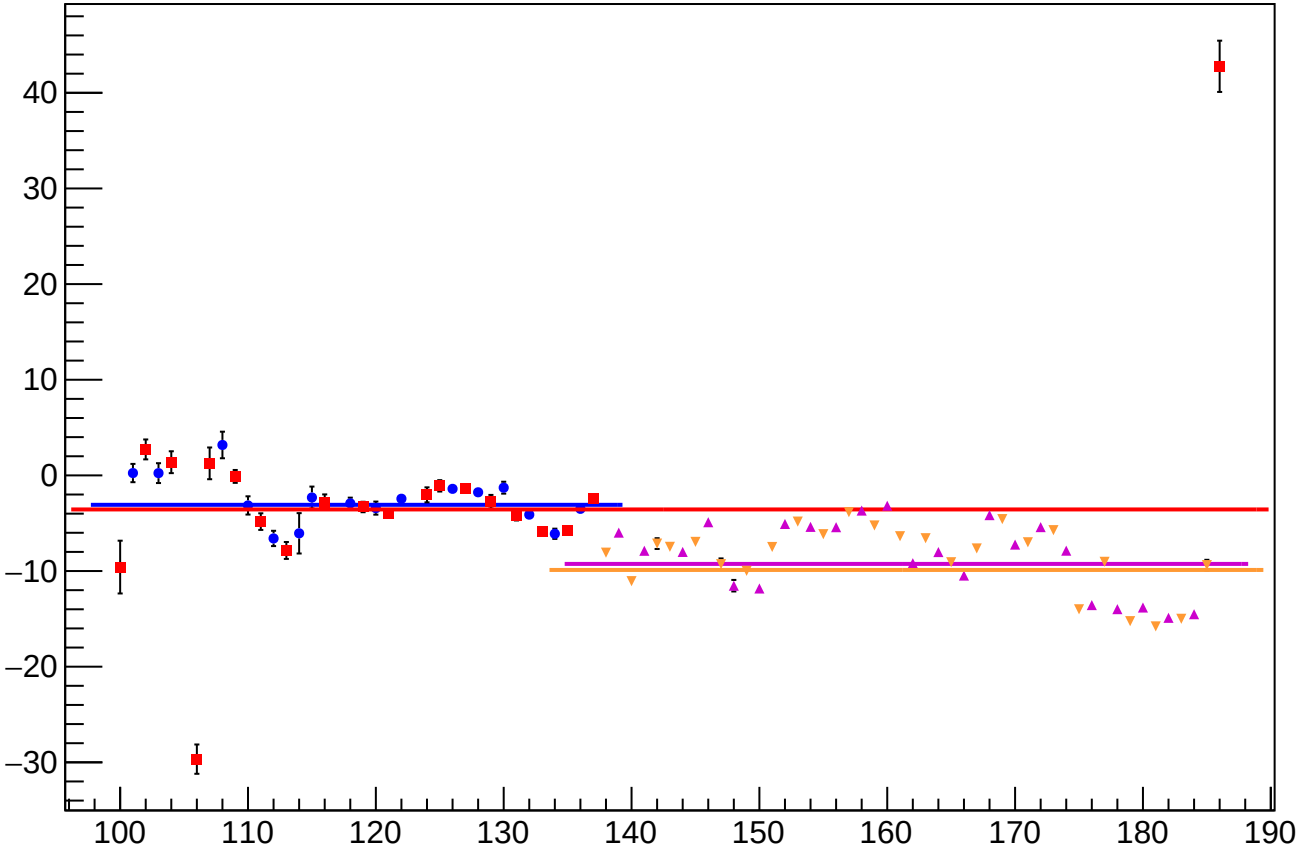
In: 0.000+/-0.000 χ^2/NDF:36.9/38

Out: 0.000+/-0.000 χ^2/NDF:43.1/44

All: 0.000+/-0.000 χ^2/NDF: 80.1/83


asym_sam_12345678_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: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2994556.9/19
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
Left: 0.000+/-0.000 χ²/NDF: 4027727.7/47
Right: 0.000+/-0.000 χ²/NDF: 5943119.2/35
In: 0.000+/-0.000 χ²/NDF:6056788.6/38
Out: 0.000+/-0.000 χ²/NDF:8141113.2/44
All: 0.000+/-0.000 χ²/NDF: 14485924.8/83

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

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

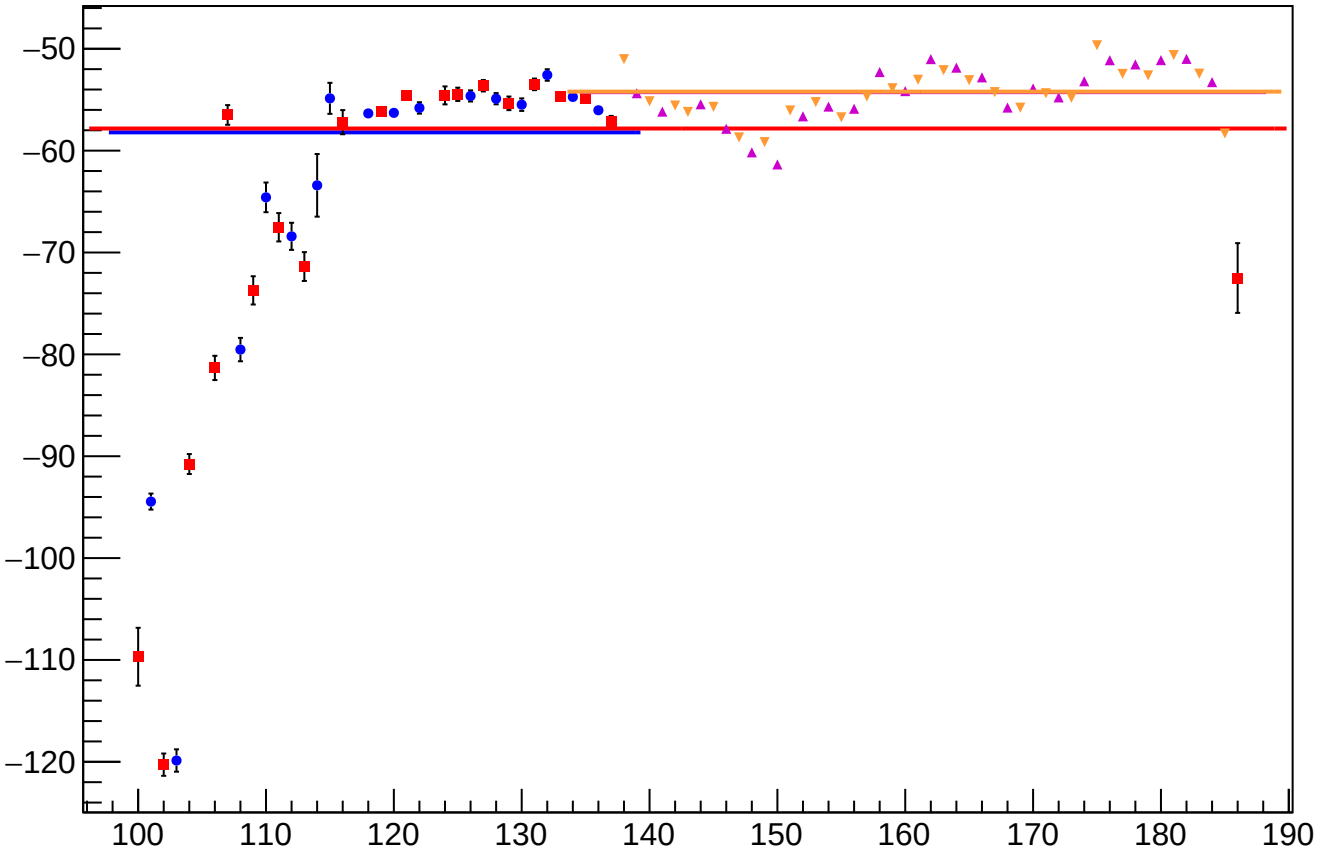
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

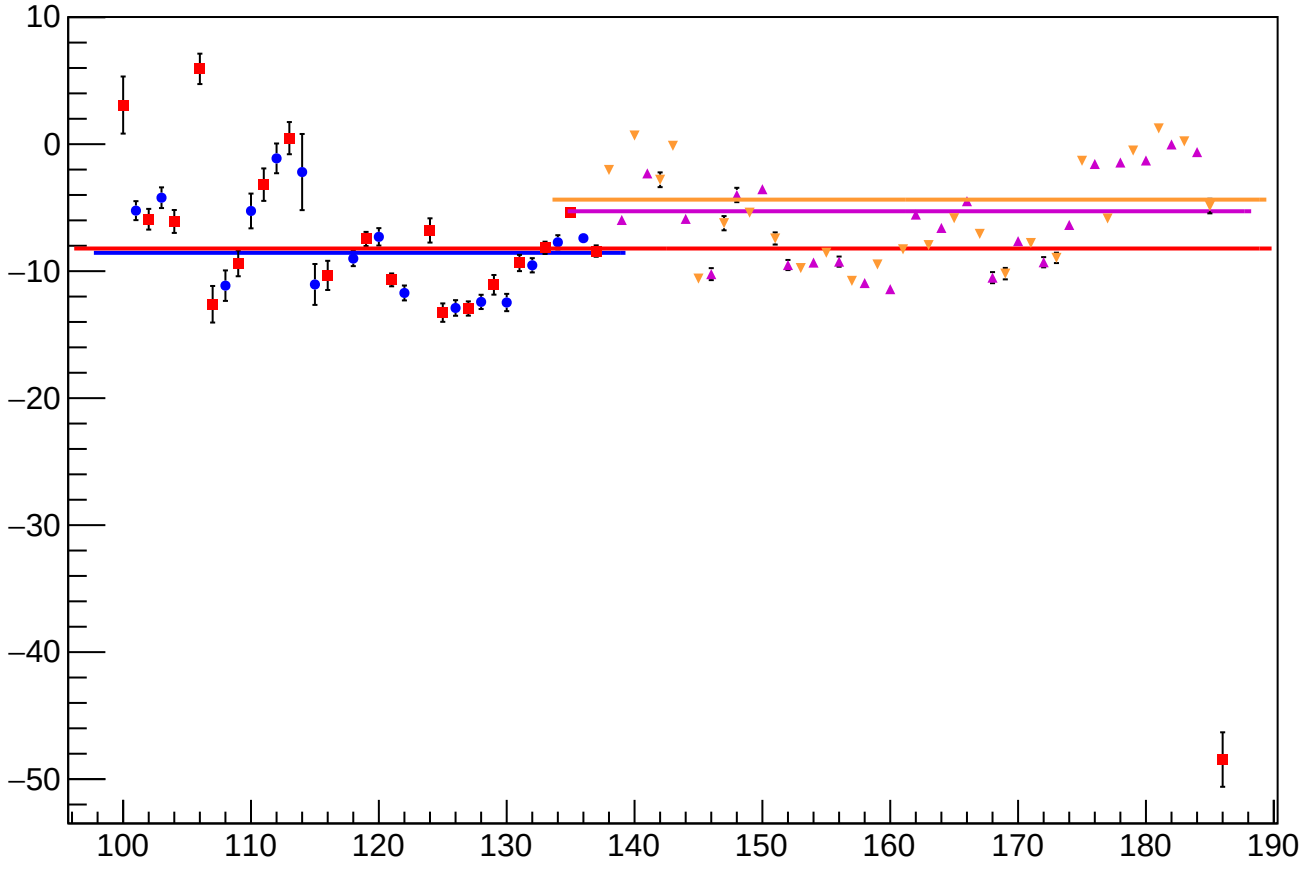
Right: -3.310+/-0.097 χ^2/NDF: 974.4/35

In: -7.901+/-0.063 χ^2/NDF:4831.3/38

Out: -8.635+/-0.062 χ^2/NDF:5679.1/44

All: -8.274+/-0.044 χ^2/NDF: 10578.6/83


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: -58.204+/-0.136 χ²/NDF: 6126.9/15
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: -58.020+/-0.097 χ²/NDF: 11941.8/35
In: -54.873+/-0.054 χ²/NDF:9332.4/38
Out: -54.713+/-0.052 χ²/NDF:8257.8/44
All: -54.791+/-0.037 χ²/NDF: 17594.8/83



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

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

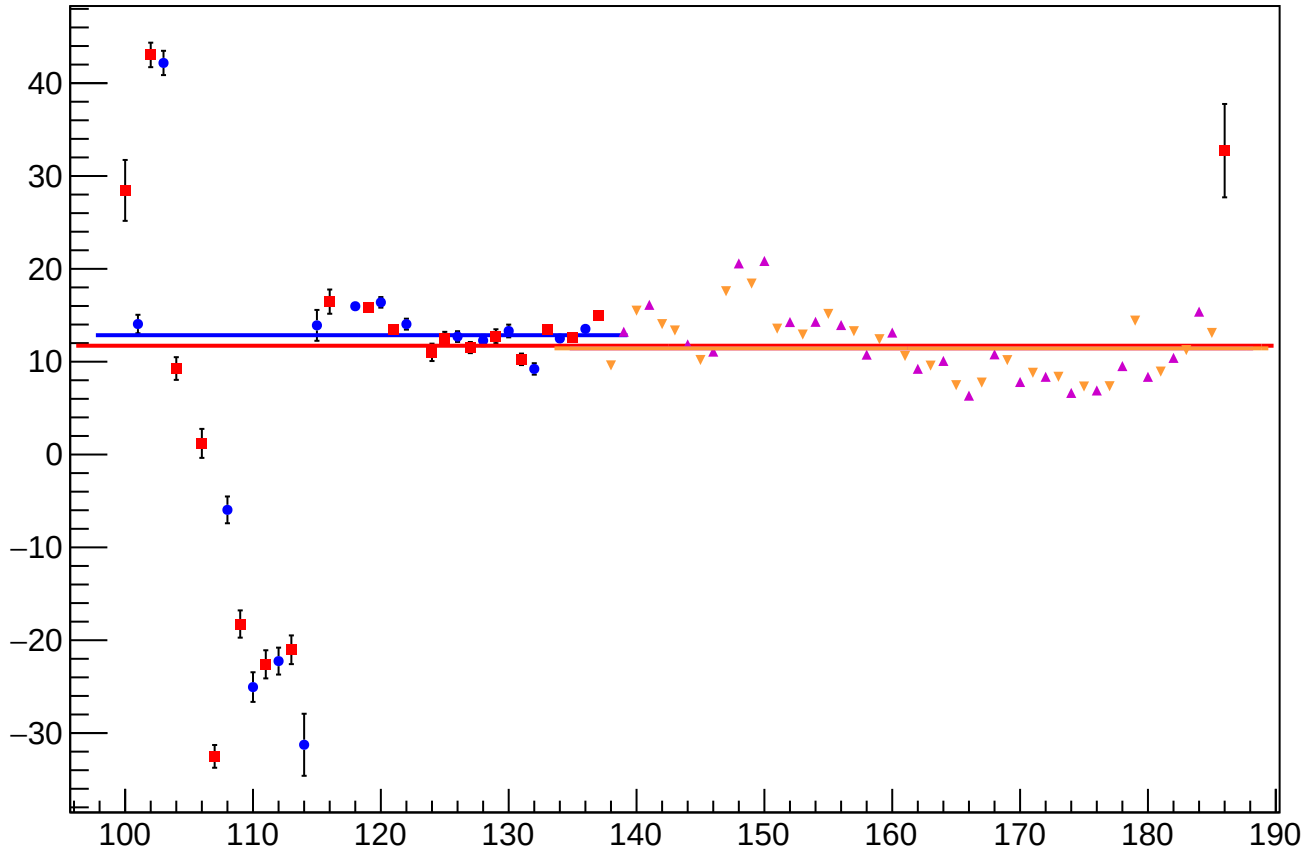
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -8.395+/-0.105 χ^2/NDF: 1146.3/35

In: -5.919+/-0.064 χ^2/NDF:3462.8/38

Out: -5.024+/-0.063 χ^2/NDF:5072.4/44

All: -5.466+/-0.045 χ^2/NDF: 8634.6/83



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

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

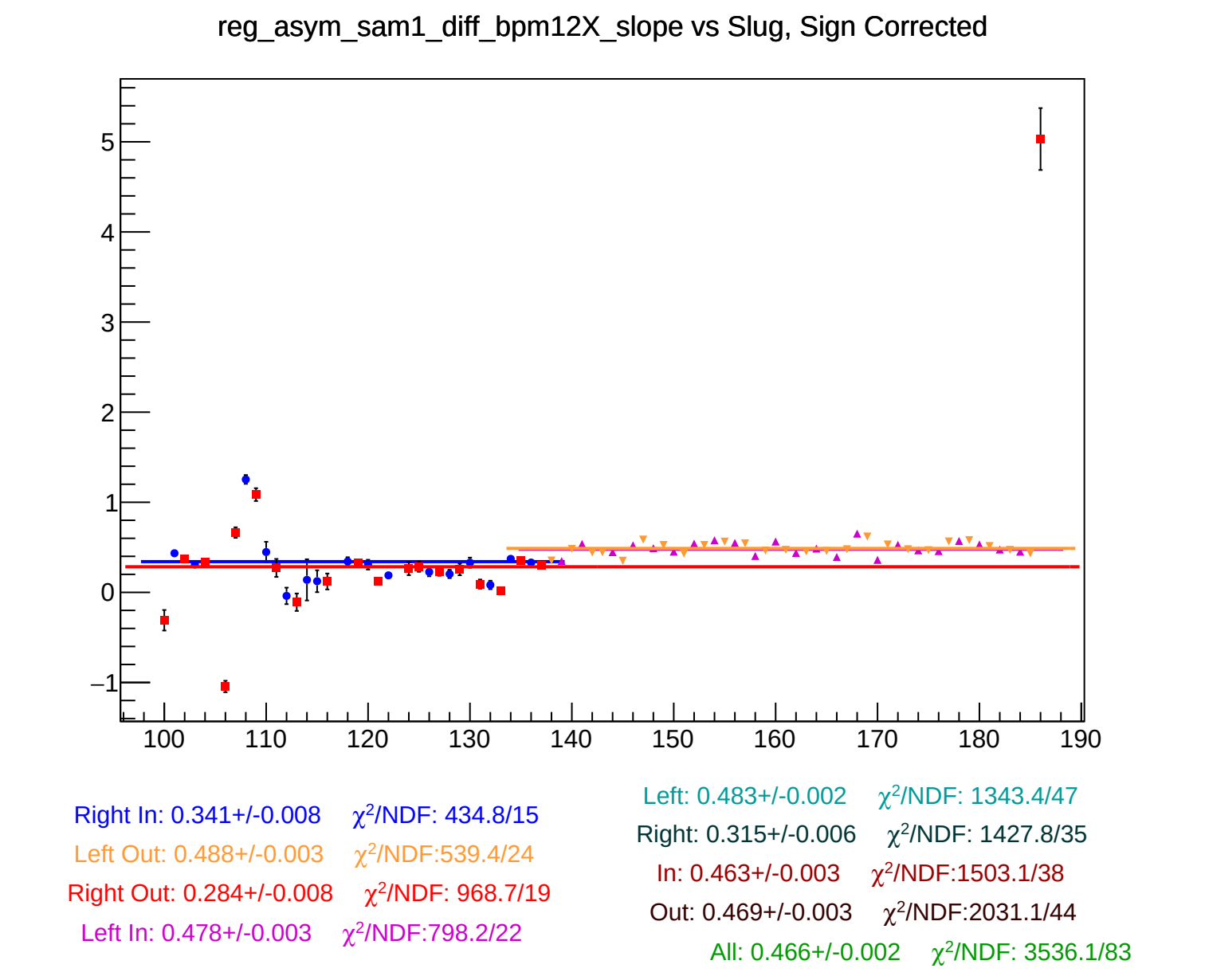
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

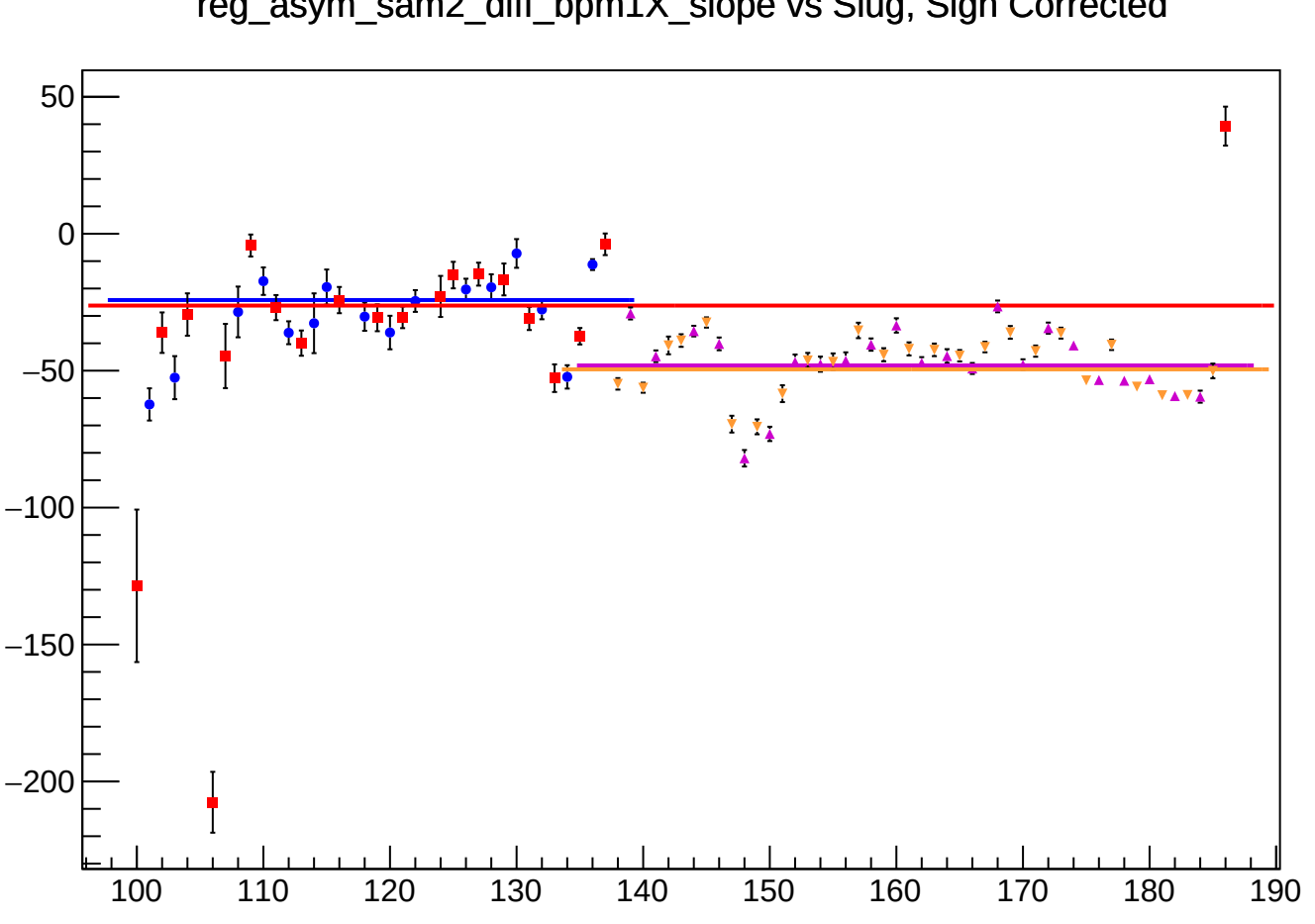
Right: 12.303+/-0.108 χ^2/NDF: 5672.3/35

In: 11.659+/-0.059 χ^2/NDF:5561.5/38

Out: 11.477+/-0.058 χ^2/NDF:5954.8/44

All: 11.565+/-0.041 χ^2/NDF: 11521.1/83


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.341+/-0.008 χ²/NDF: 434.8/15
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.284+/-0.008 χ²/NDF: 968.7/19
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.315+/-0.006 χ²/NDF: 1427.8/35
In: 0.463+/-0.003 χ²/NDF:1503.1/38
Out: 0.469+/-0.003 χ²/NDF:2031.1/44
All: 0.466+/-0.002 χ²/NDF: 3536.1/83



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -26.229+/-1.123 χ^2/NDF: 500.6/19

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

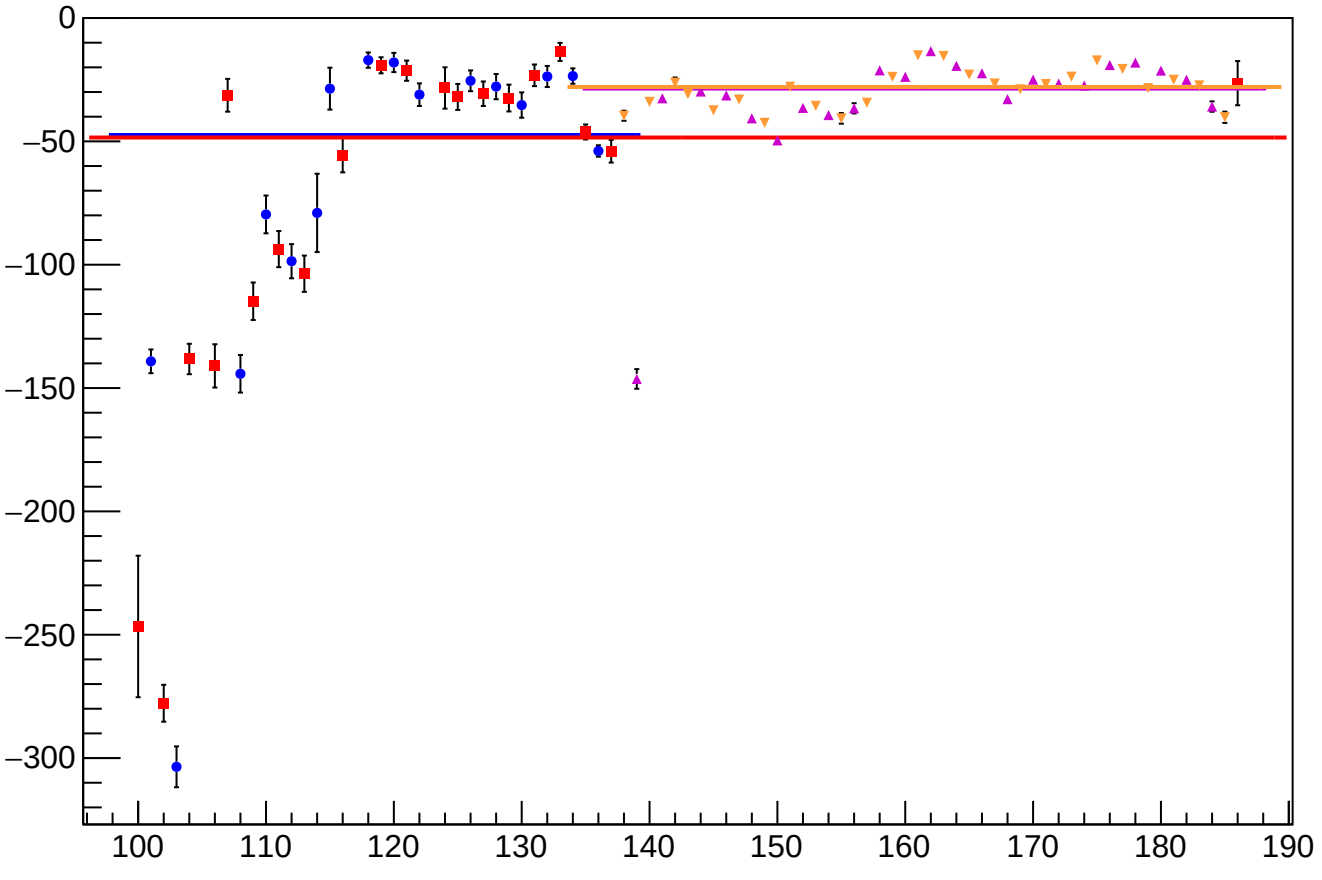
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -25.183+/-0.781 χ^2/NDF: 673.0/35

In: -45.001+/-0.391 χ^2/NDF:1297.7/38

Out: -46.865+/-0.379 χ^2/NDF:1458.2/44

All: -45.961+/-0.272 χ^2/NDF: 2767.7/83



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

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

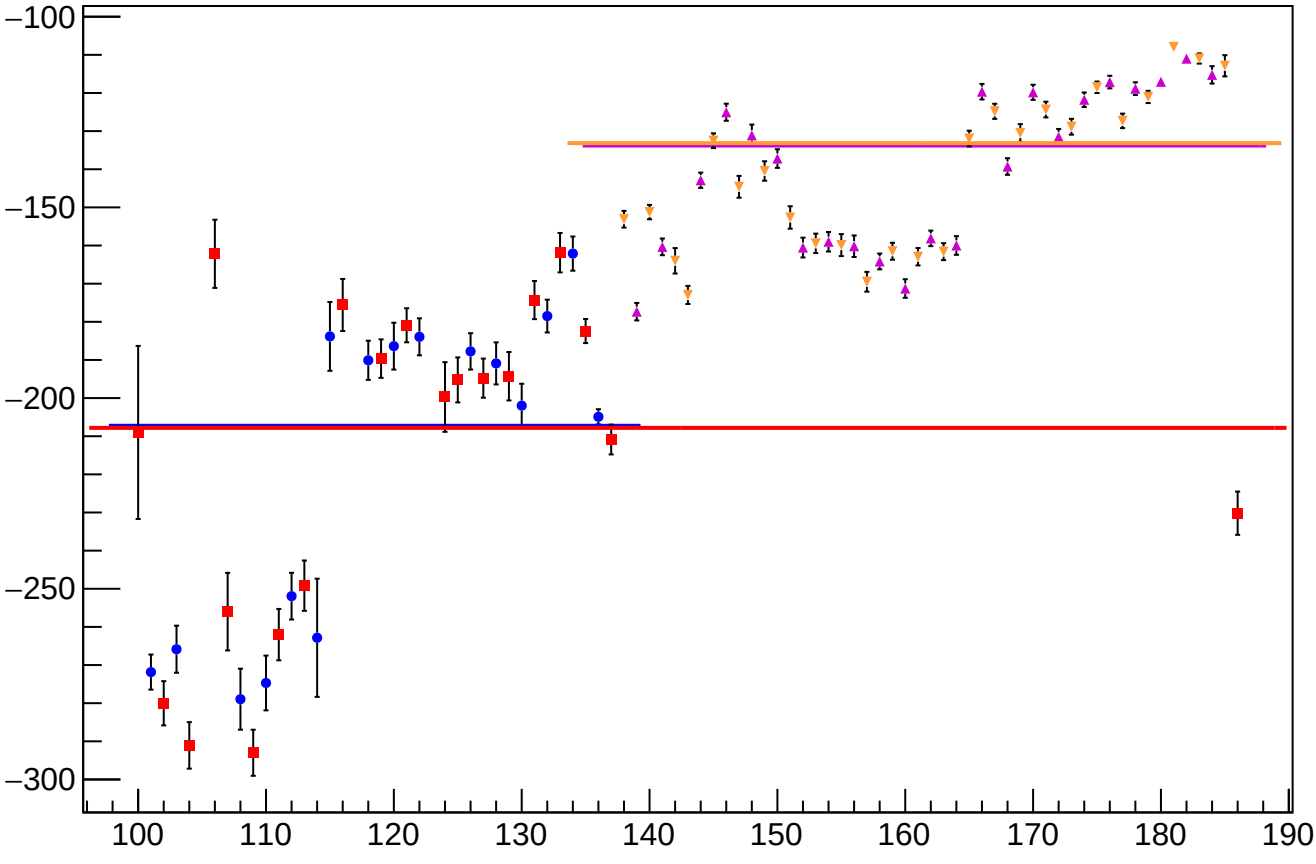
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -47.902+/-0.802 χ^2/NDF: 3654.6/35

In: -30.176+/-0.319 χ^2/NDF:3622.0/38

Out: -29.387+/-0.310 χ^2/NDF:2562.6/44

All: -29.770+/-0.222 χ^2/NDF: 6187.8/83



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

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

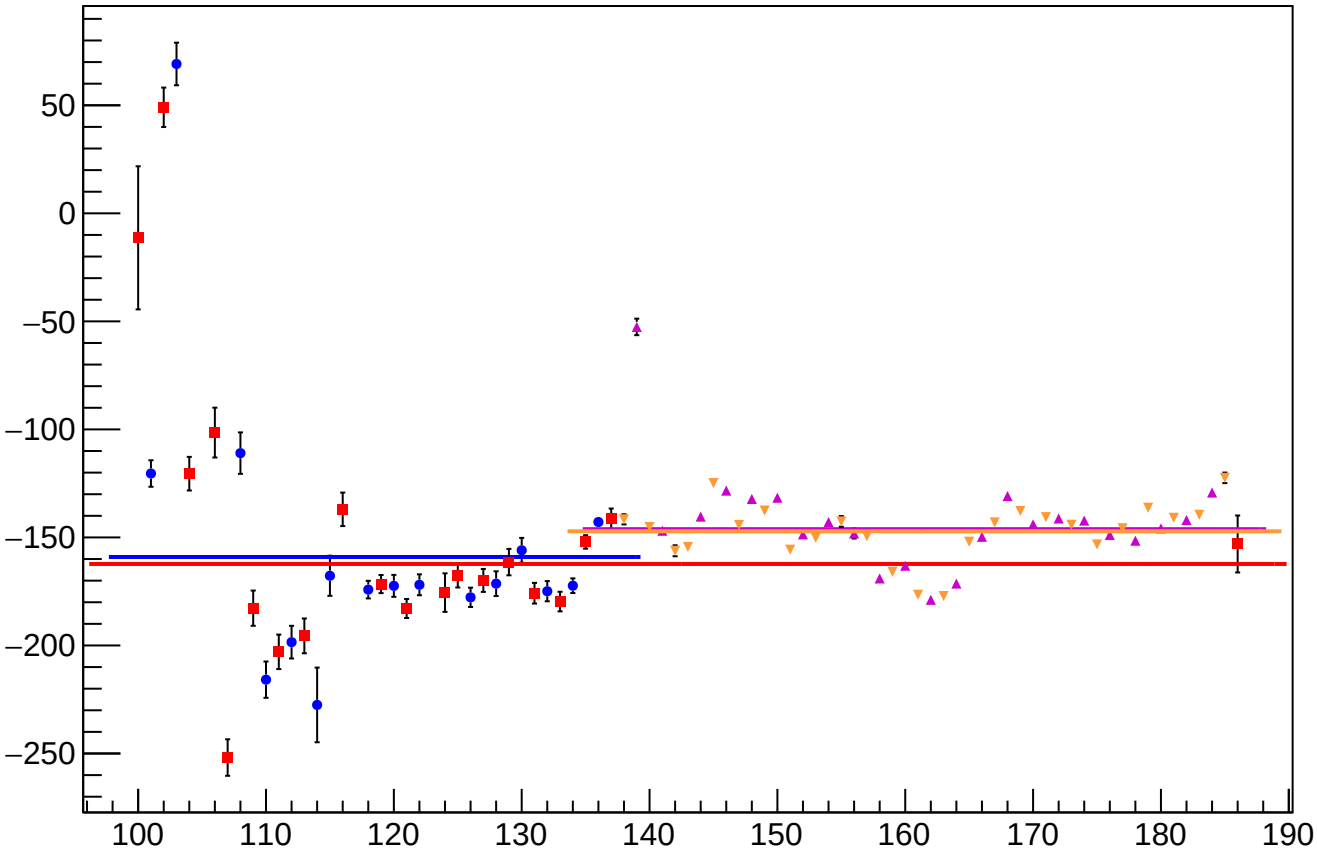
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -207.522+/-0.857 χ^2/NDF: 1734.3/35

In: -141.956+/-0.393 χ^2/NDF:6645.9/38

Out: -140.200+/-0.383 χ^2/NDF:6756.4/44

All: -141.056+/-0.274 χ^2/NDF: 13412.6/83



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -162.276+/-1.317 χ^2/NDF: 873.1/19

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

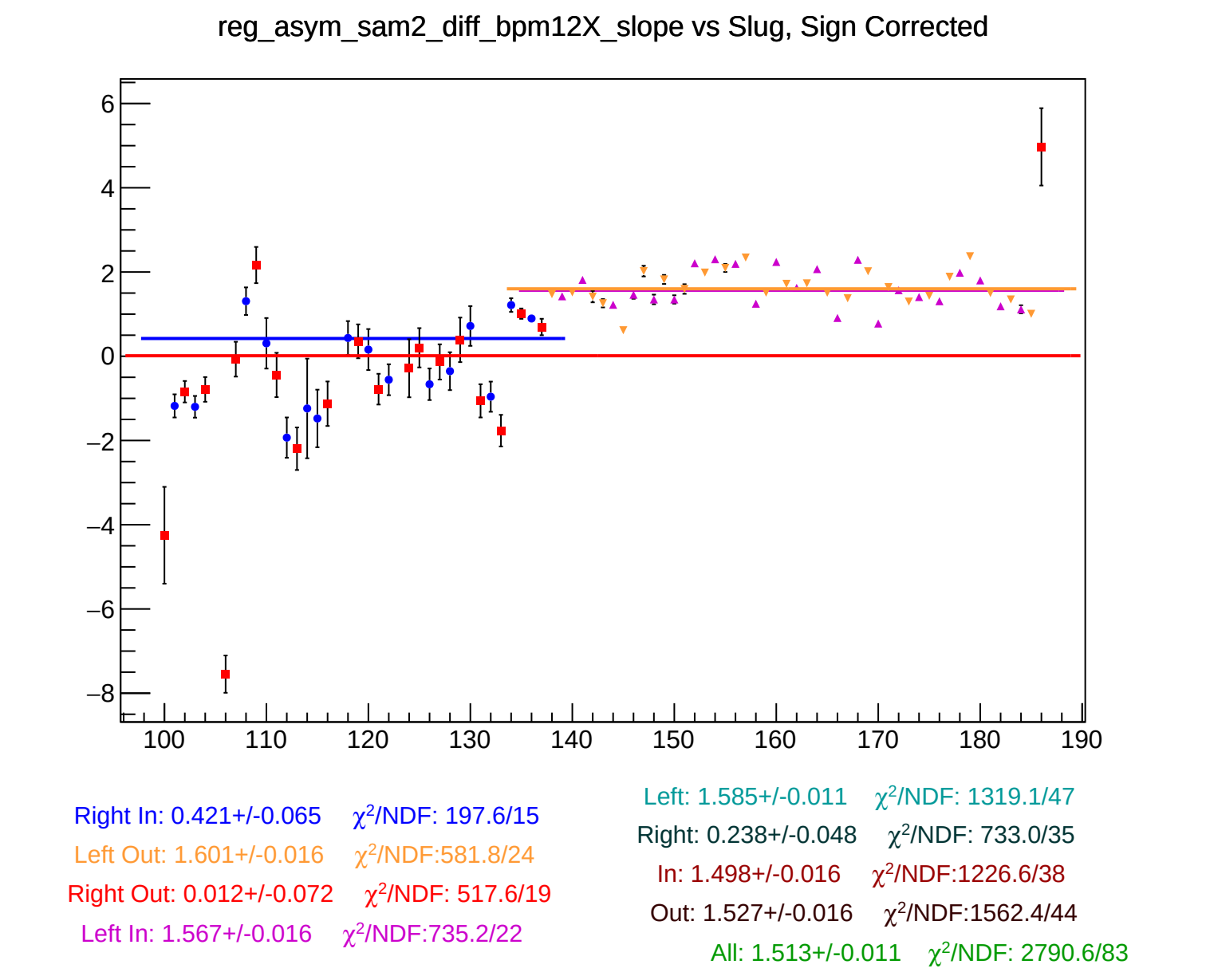
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

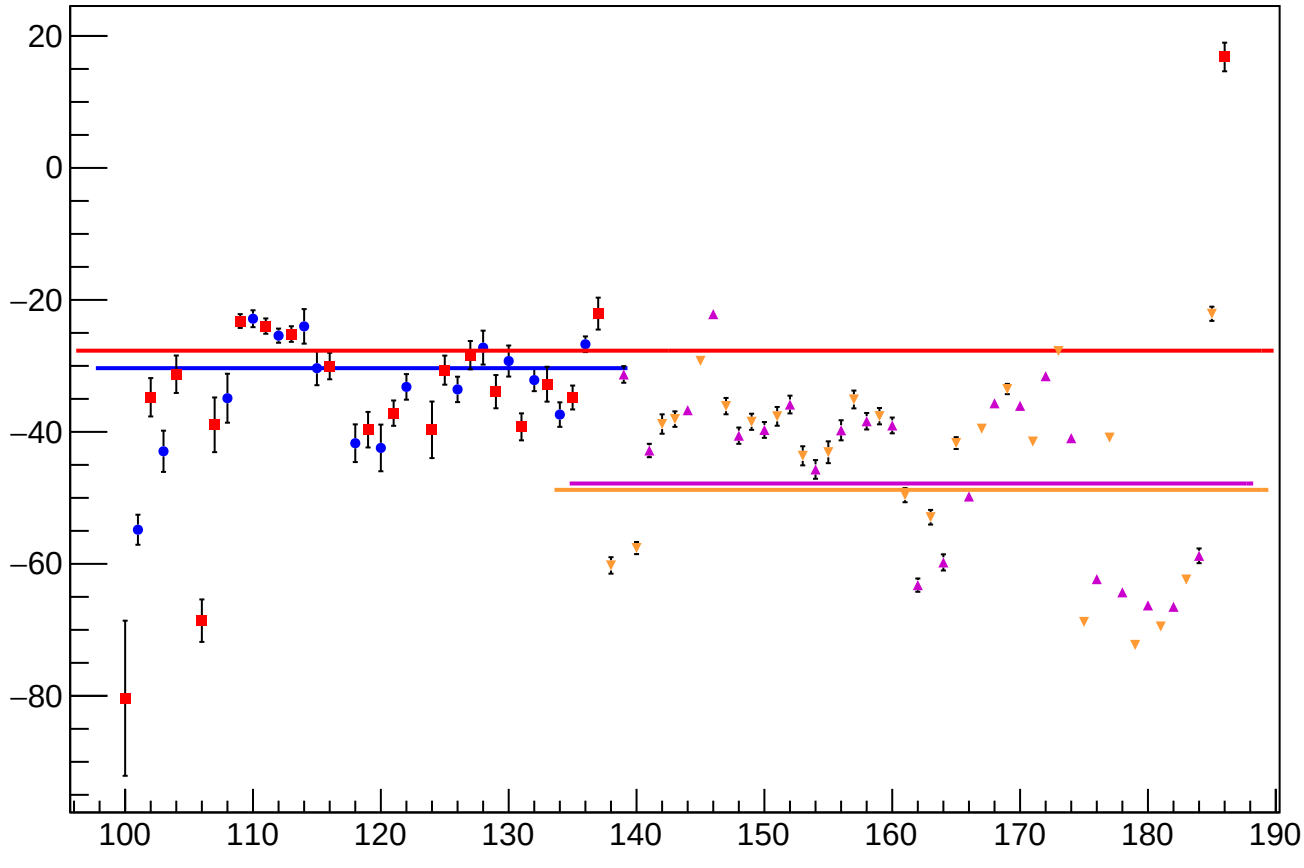
Right: -160.546+/-0.897 χ^2/NDF: 1692.1/35

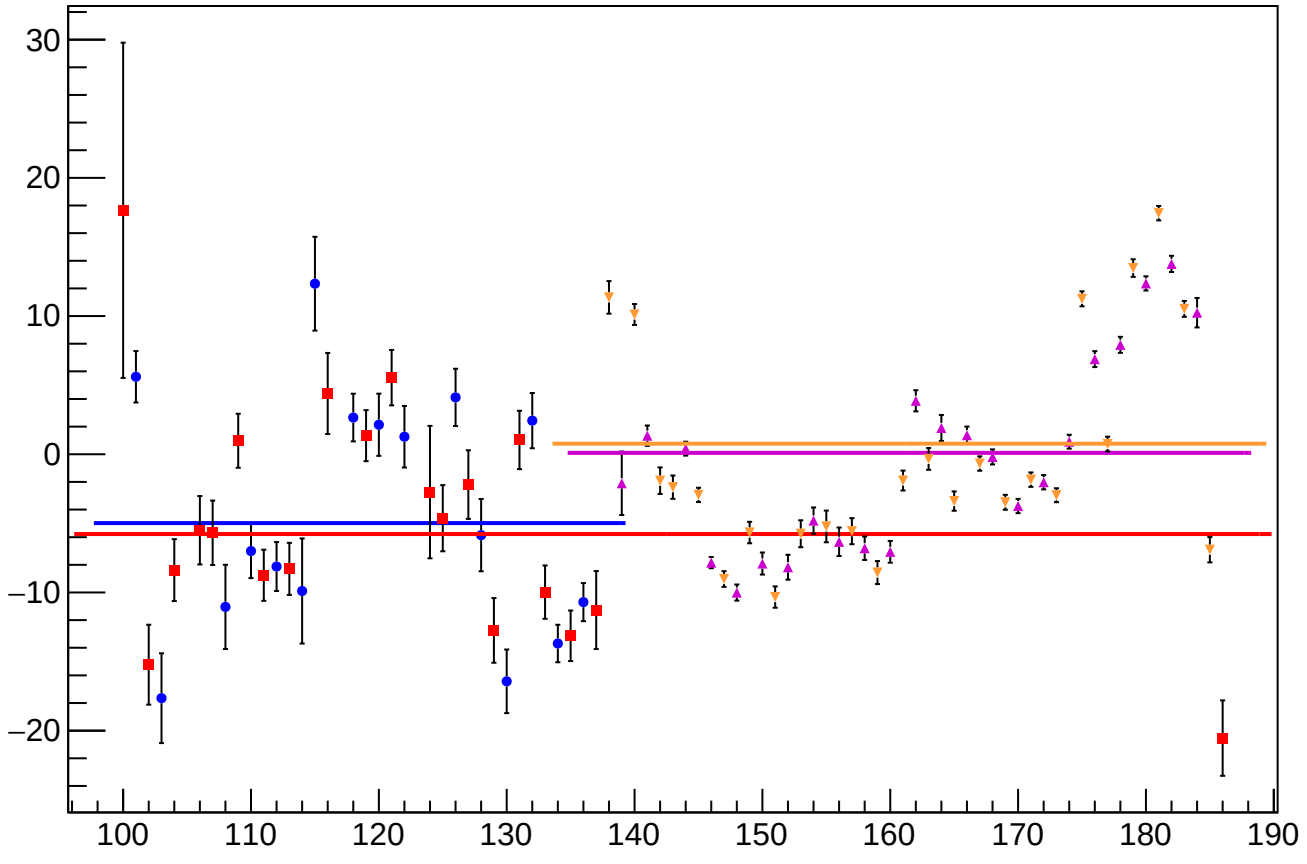
In: -147.252+/-0.355 χ^2/NDF:2710.7/38

Out: -148.206+/-0.346 χ^2/NDF:2241.2/44

All: -147.741+/-0.248 χ^2/NDF: 4955.6/83


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: 0.421+/-0.065 χ²/NDF: 197.6/15
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: 0.238+/-0.048 χ²/NDF: 733.0/35
In: 1.498+/-0.016 χ²/NDF:1226.6/38
Out: 1.527+/-0.016 χ²/NDF:1562.4/44
All: 1.513+/-0.011 χ²/NDF: 2790.6/83


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: -30.341+/-0.468 χ²/NDF: 253.6/15
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: -28.938+/-0.321 χ²/NDF: 1039.3/35
In: -45.784+/-0.160 χ²/NDF:8710.0/38
Out: -46.145+/-0.156 χ²/NDF:11723.3/44
All: -45.969+/-0.112 χ²/NDF: 20435.9/83



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

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

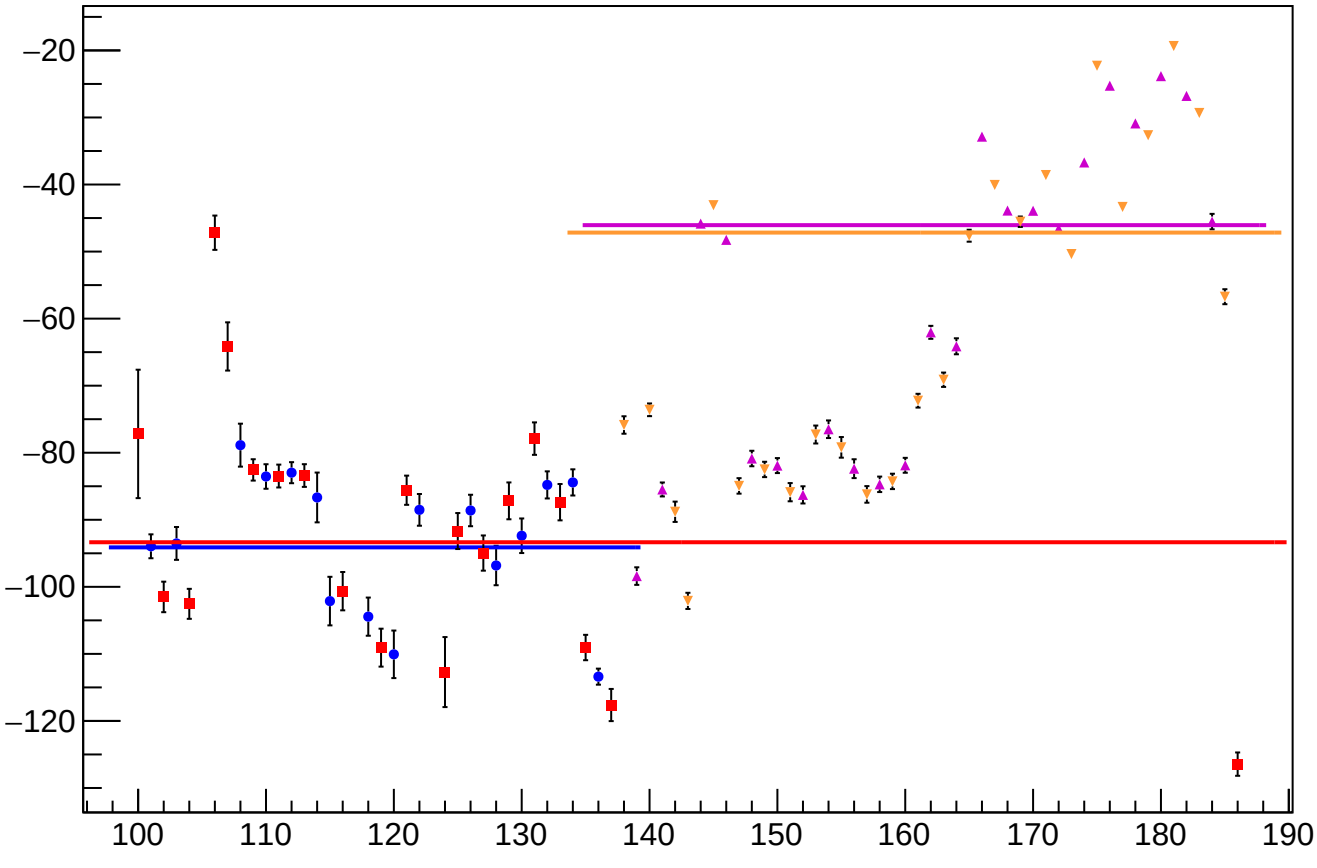
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -5.372+/-0.362 χ^2/NDF: 405.4/35

In: -0.222+/-0.129 χ^2/NDF:3052.2/38

Out: 0.360+/-0.128 χ^2/NDF:3785.7/44

All: 0.070+/-0.091 χ^2/NDF: 6848.2/83



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -93.350+/-0.518 χ^2/NDF: 1186.5/19

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

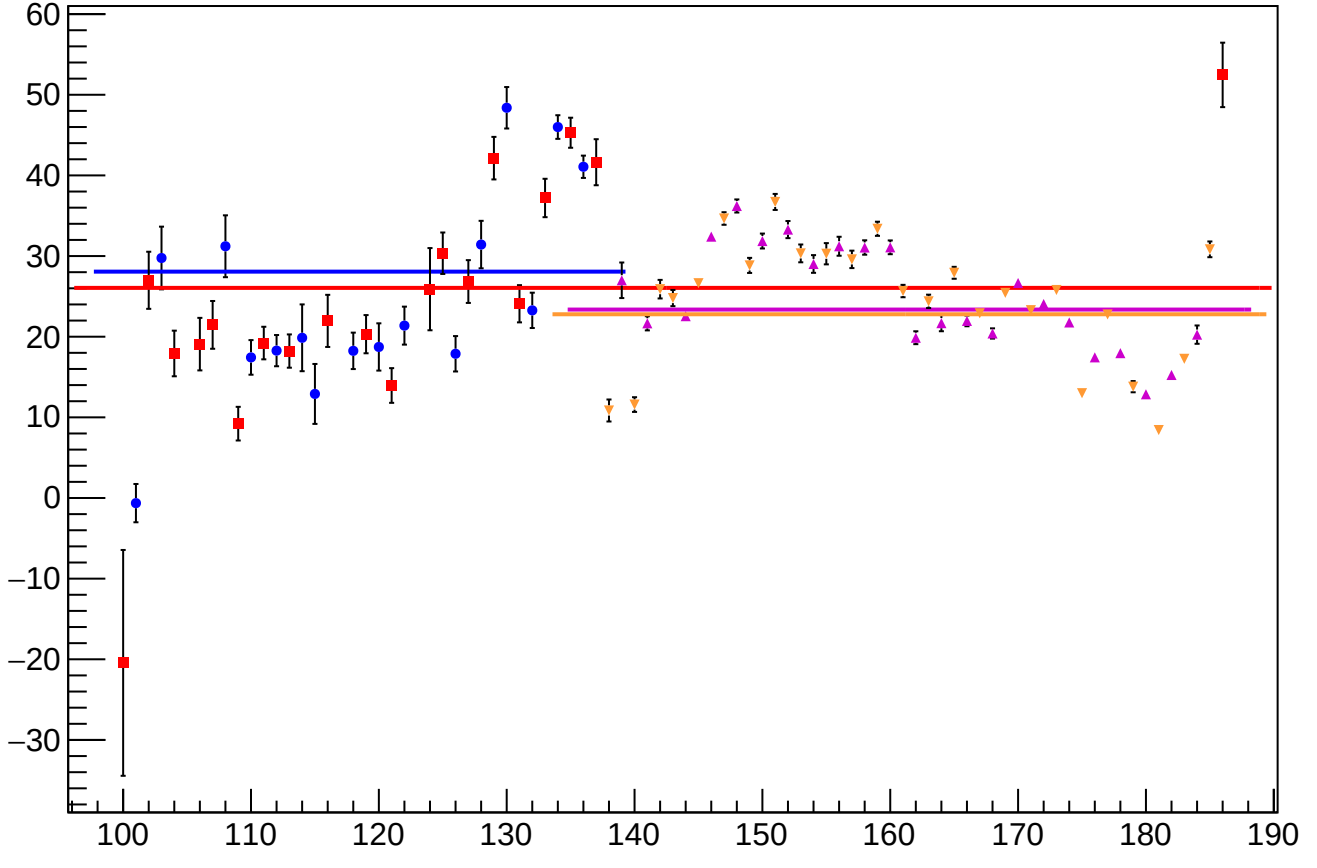
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -93.719+/-0.373 χ^2/NDF: 1654.4/35

In: -50.443+/-0.162 χ^2/NDF:22513.9/38

Out: -51.537+/-0.159 χ^2/NDF:26033.9/44

All: -50.999+/-0.114 χ^2/NDF: 48571.0/83



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

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

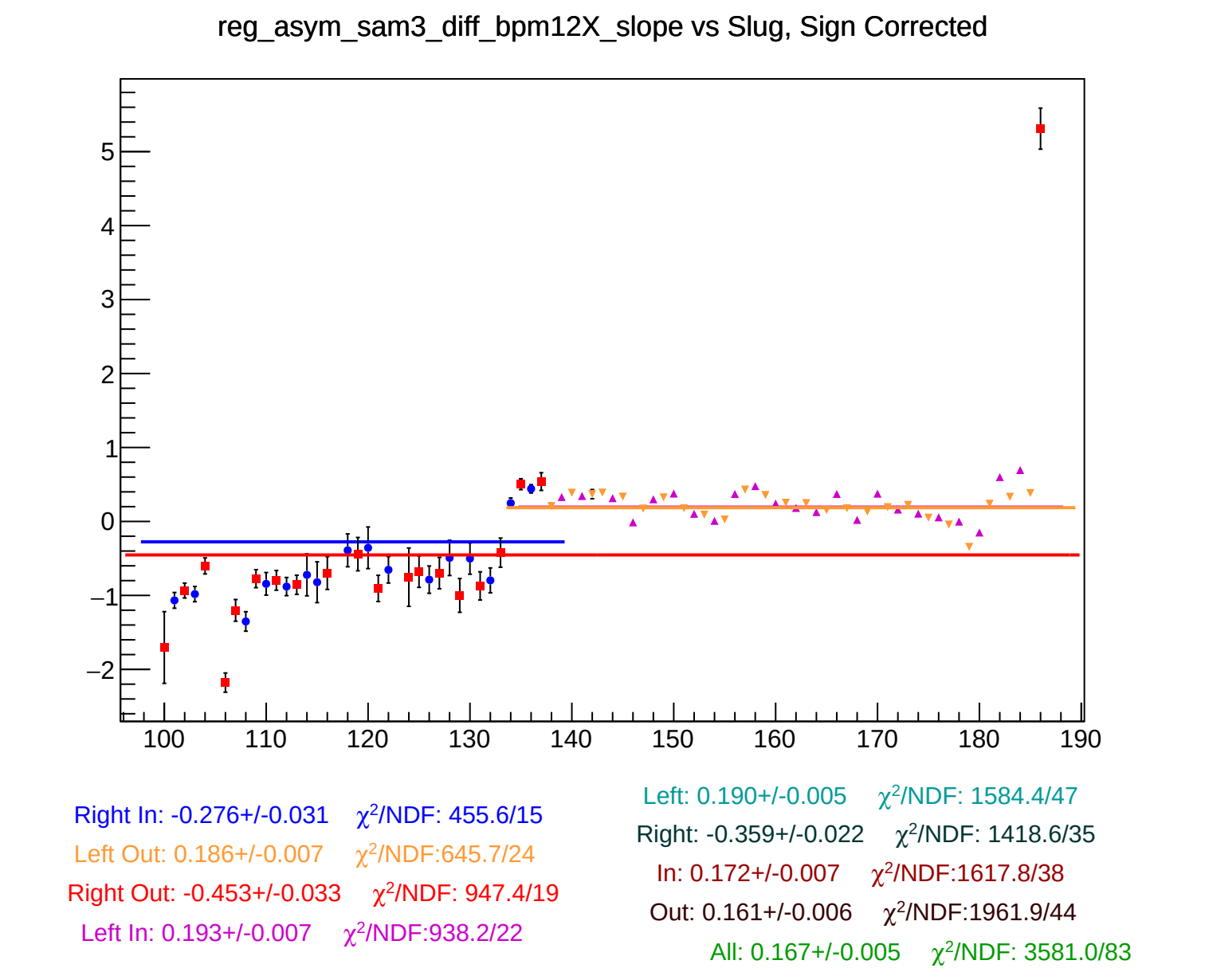
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

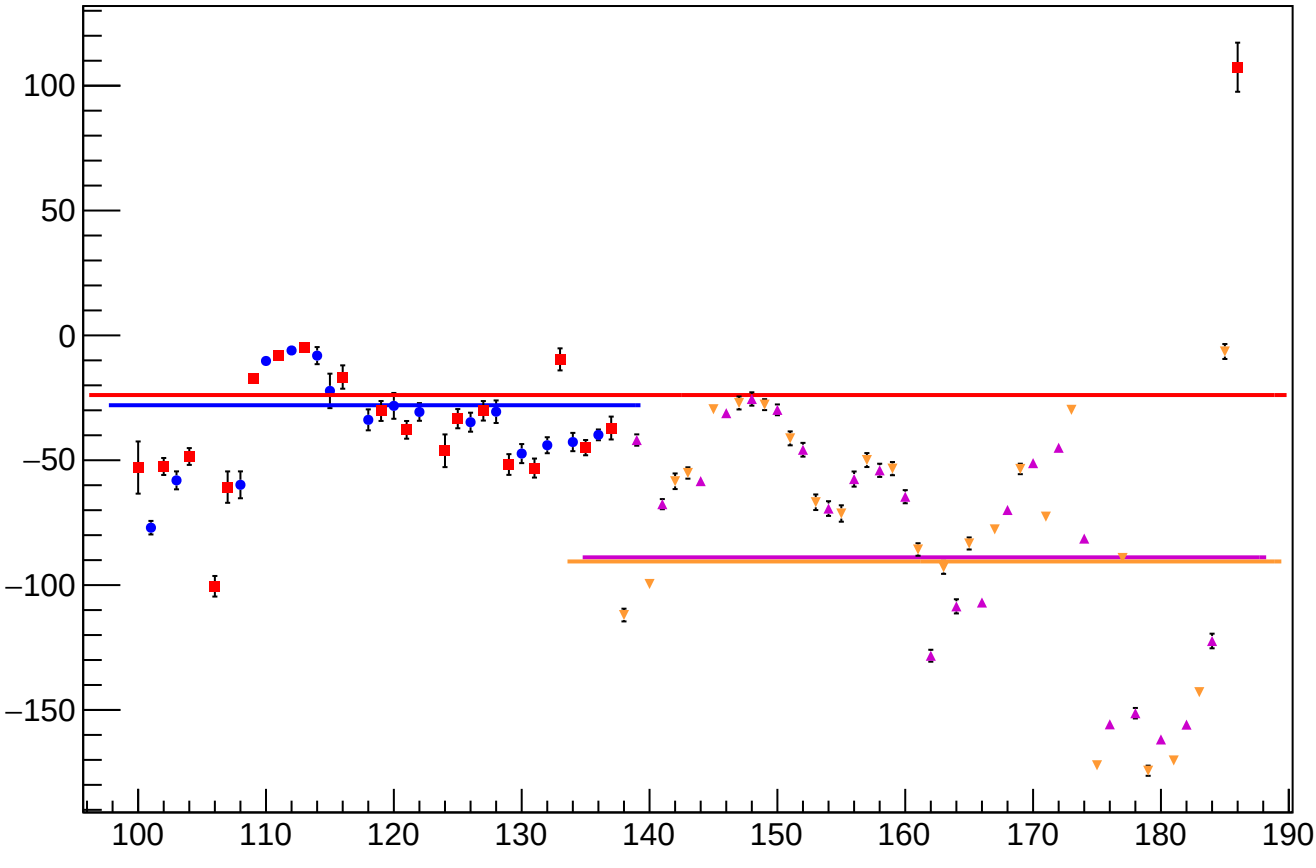
Right: 27.087+/-0.408 χ^2/NDF: 988.5/35

In: 23.667+/-0.144 χ^2/NDF:2432.4/38

Out: 22.978+/-0.143 χ^2/NDF:2841.7/44

All: 23.320+/-0.101 χ^2/NDF: 5285.7/83


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.276+/-0.031 χ2/NDF: 455.6/15
Left Out: 0.186+/-0.007 χ2/NDF:645.7/24
Right Out: -0.453+/-0.033 χ2/NDF: 947.4/19
Left In: 0.193+/-0.007 χ2/NDF:938.2/22
Left: 0.190+/-0.005 χ2/NDF: 1584.4/47
Right: -0.359+/-0.022 χ2/NDF: 1418.6/35
In: 0.172+/-0.007 χ2/NDF:1617.8/38
Out: 0.161+/-0.006 χ2/NDF:1961.9/44
All: 0.167+/-0.005 χ2/NDF: 3581.0/83



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

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

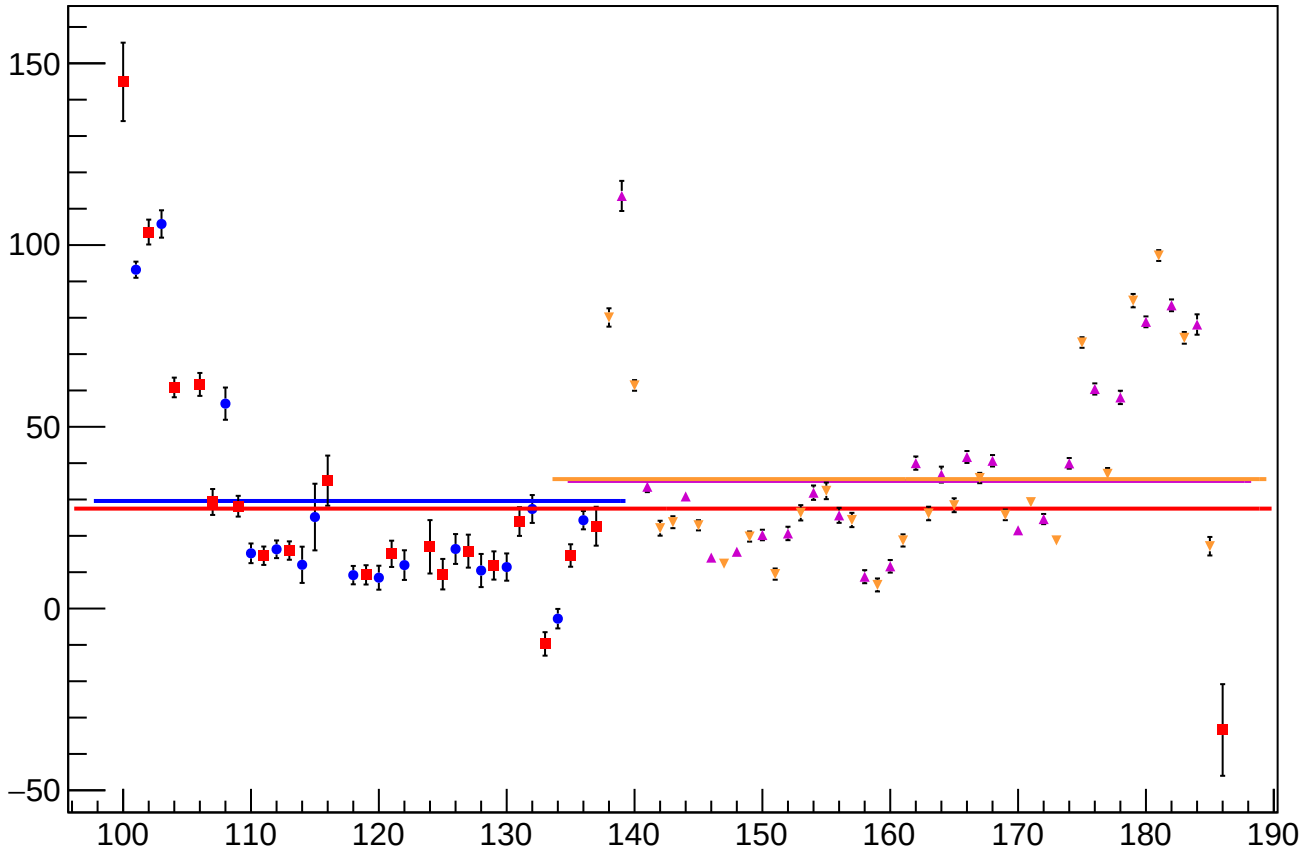
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -25.733+/-0.489 χ^2/NDF: 2080.7/35

In: -72.873+/-0.373 χ^2/NDF:17878.1/38

Out: -71.297+/-0.355 χ^2/NDF:23751.1/44

All: -72.047+/-0.257 χ^2/NDF: 41638.5/83



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

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

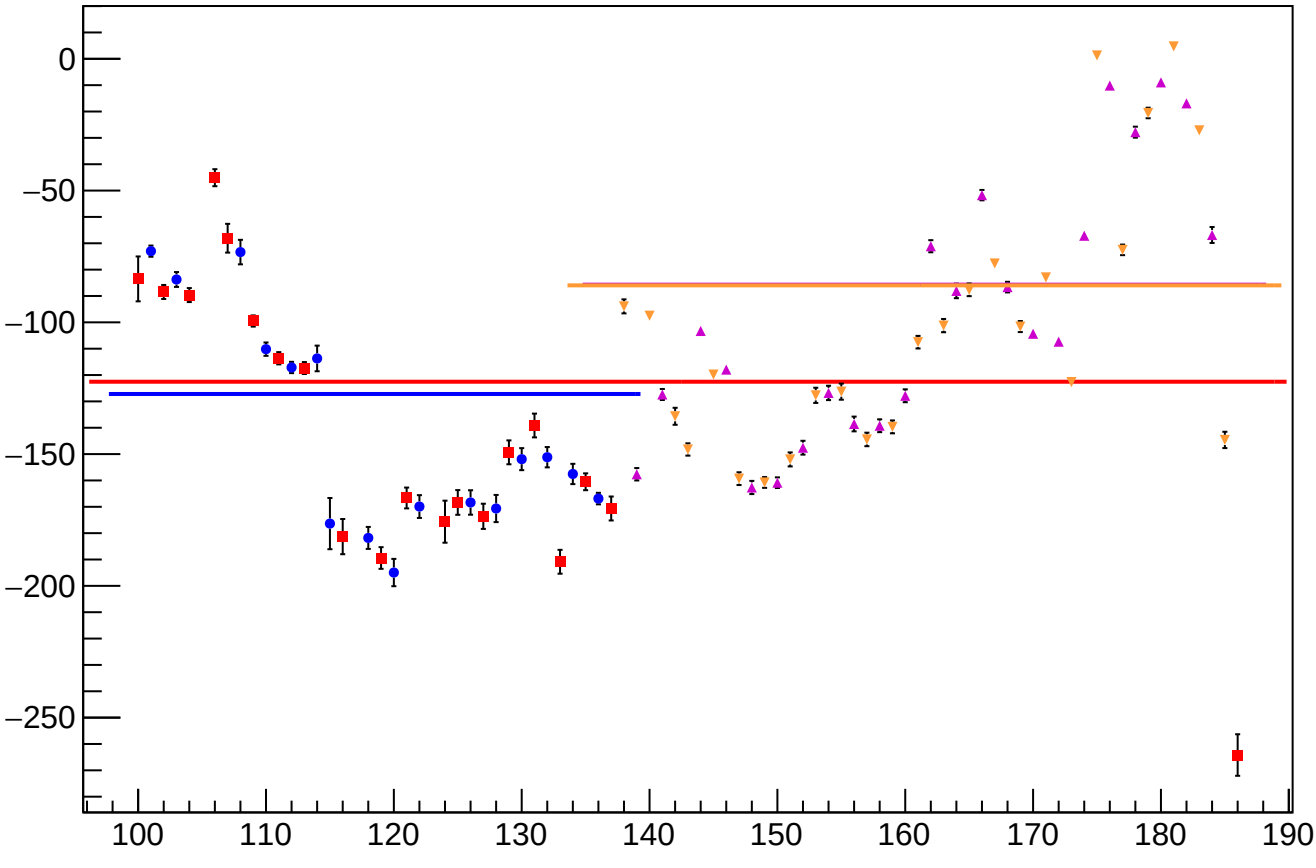
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

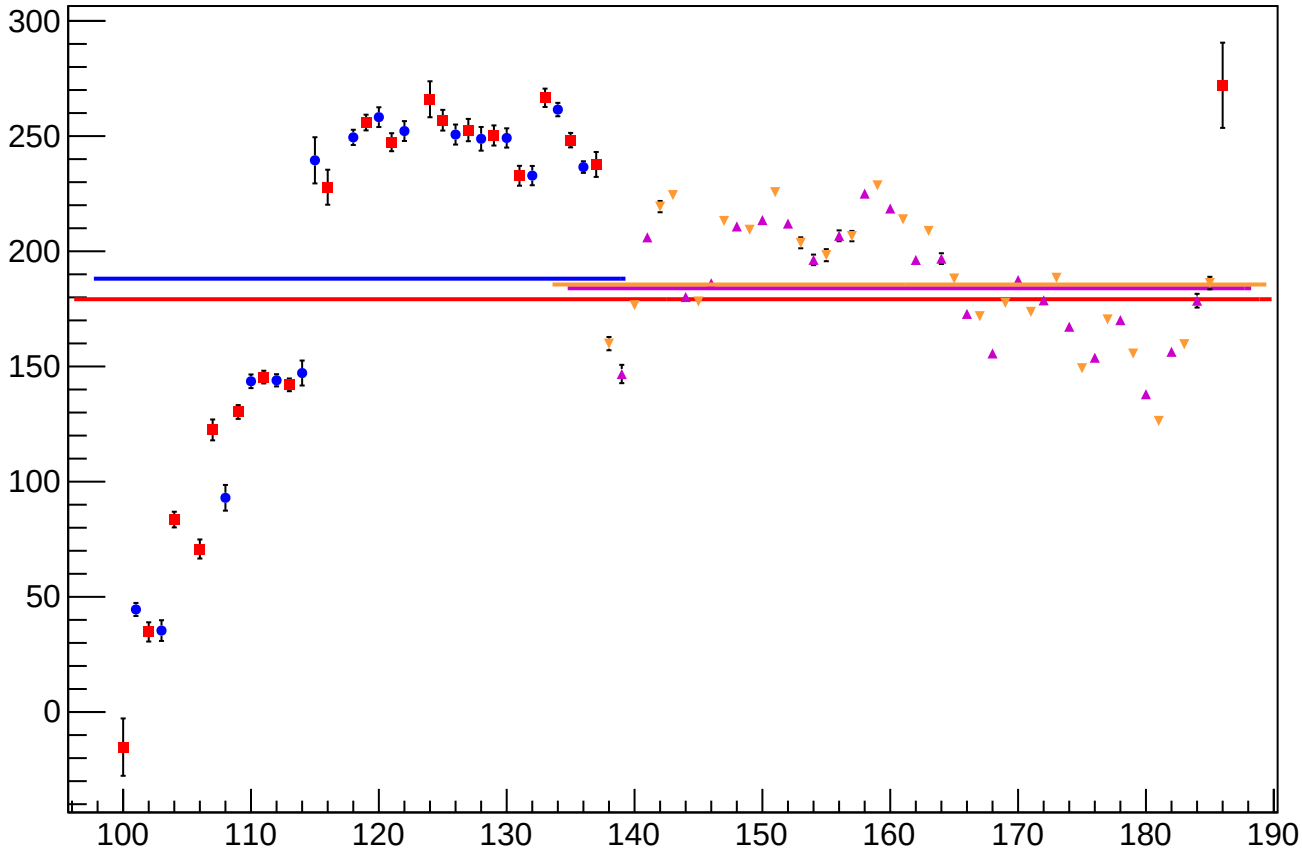
Right: 28.528+/-0.567 χ^2/NDF: 2877.7/35

In: 34.295+/-0.310 χ^2/NDF:5849.9/38

Out: 34.446+/-0.301 χ^2/NDF:7270.8/44

All: 34.373+/-0.216 χ^2/NDF: 13120.8/83


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: -127.190+/-0.829 χ²/NDF: 2178.2/15
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: -124.761+/-0.573 χ²/NDF: 4918.1/35
In: -94.574+/-0.383 χ²/NDF:17904.0/38
Out: -93.994+/-0.372 χ²/NDF:20613.2/44
All: -94.275+/-0.267 χ²/NDF: 38518.4/83



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

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

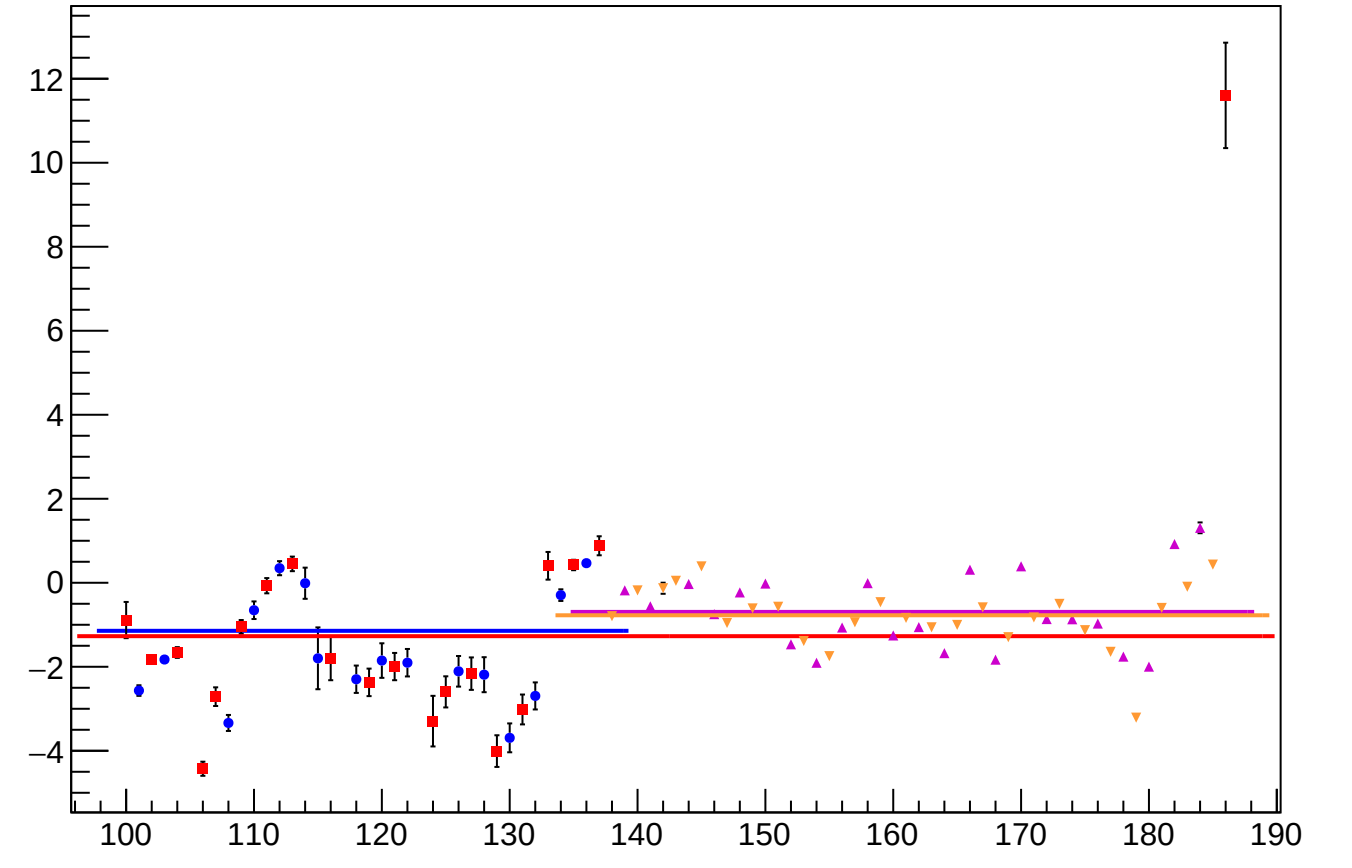
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 183.596+/-0.645 χ^2/NDF: 13860.4/35

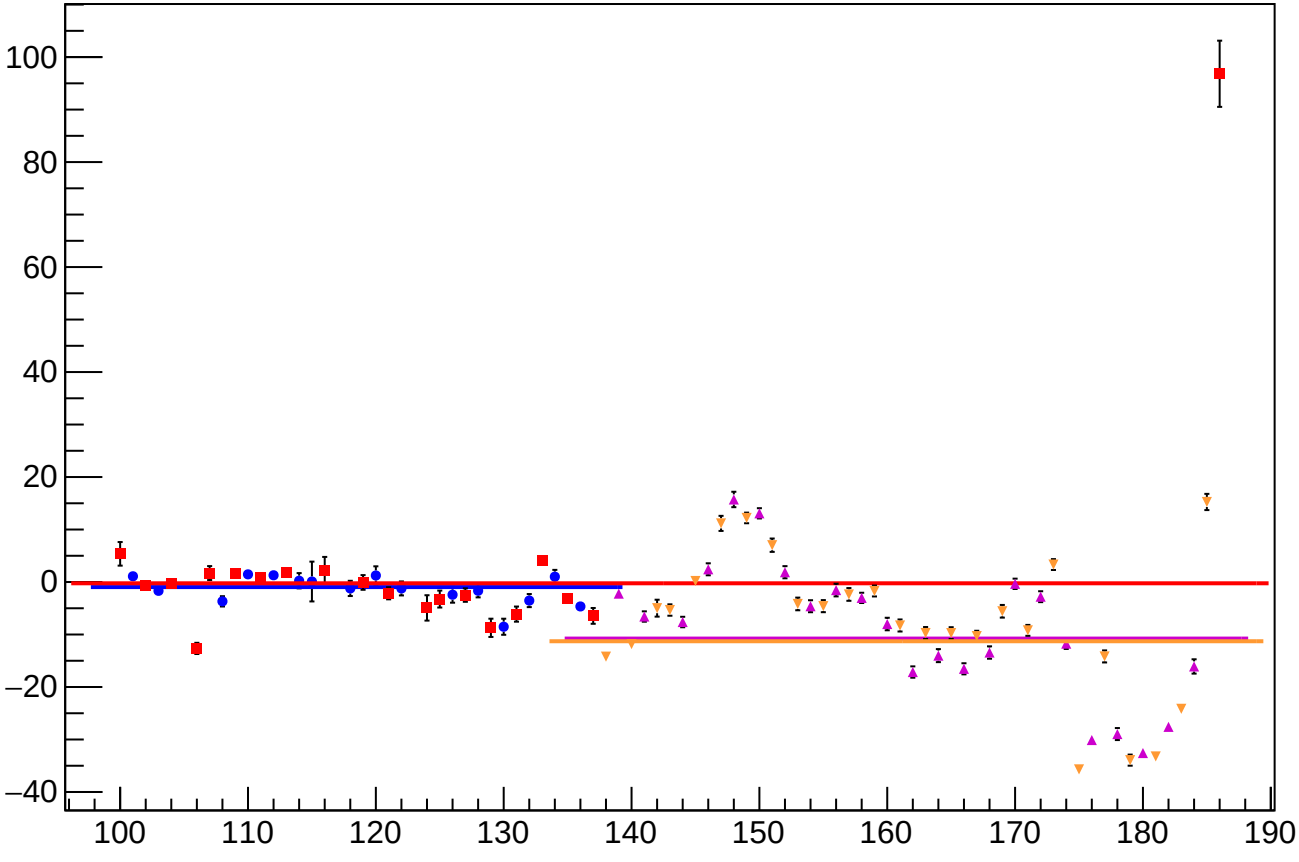
In: 184.543+/-0.349 χ^2/NDF:11009.8/38

Out: 184.685+/-0.340 χ^2/NDF:12091.4/44

All: 184.616+/-0.244 χ^2/NDF: 23101.3/83


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -1.144+/-0.048 χ²/NDF: 787.4/15
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.272+/-0.047 χ²/NDF: 1103.6/19
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.209+/-0.034 χ²/NDF: 1894.6/35
In: -0.743+/-0.016 χ²/NDF:3431.1/38
Out: -0.827+/-0.016 χ²/NDF:3024.9/44
All: -0.786+/-0.011 χ²/NDF: 6470.5/83

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

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

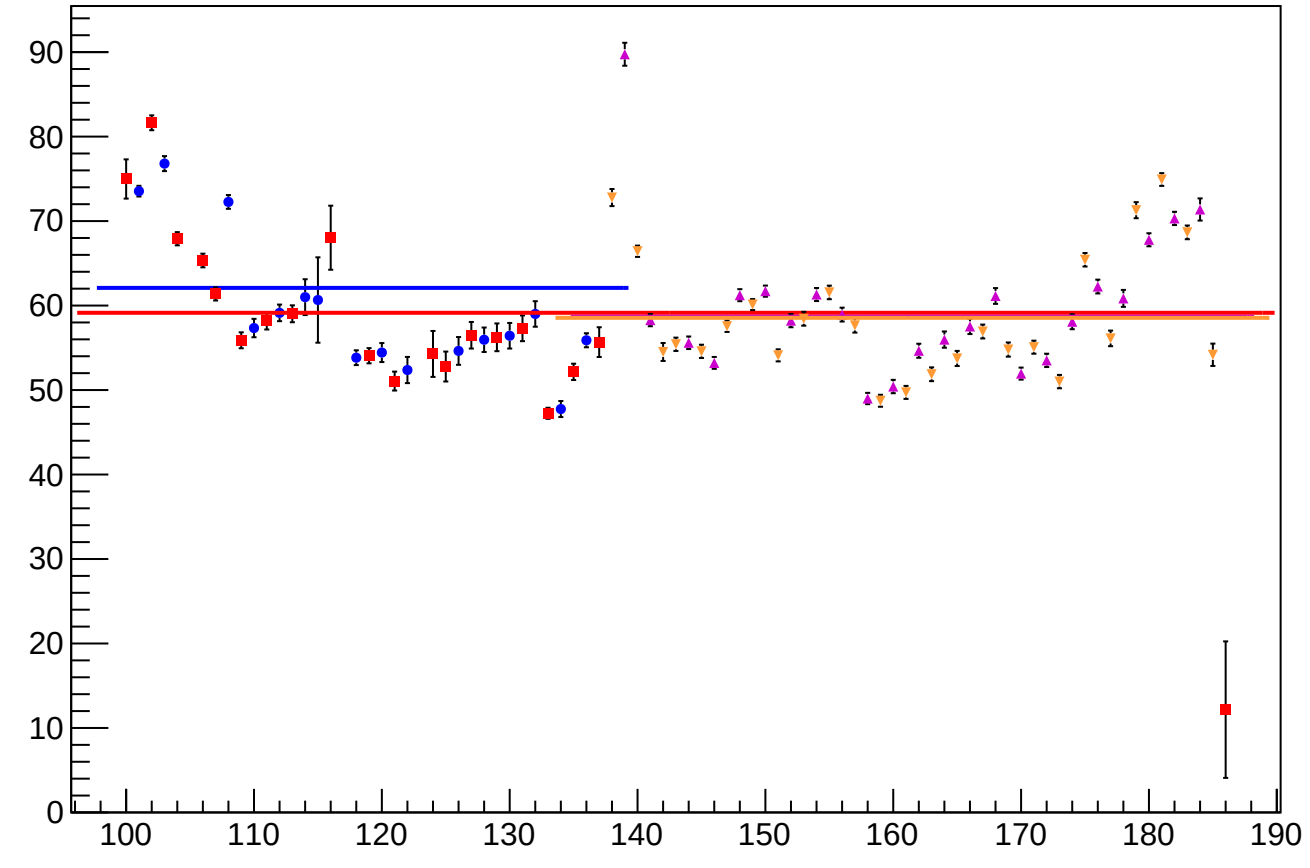
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.559+/-0.168 χ^2/NDF: 625.6/35

In: -6.701+/-0.163 χ^2/NDF:4680.5/38

Out: -6.162+/-0.152 χ^2/NDF:6325.3/44

All: -6.413+/-0.111 χ^2/NDF: 11011.7/83



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

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

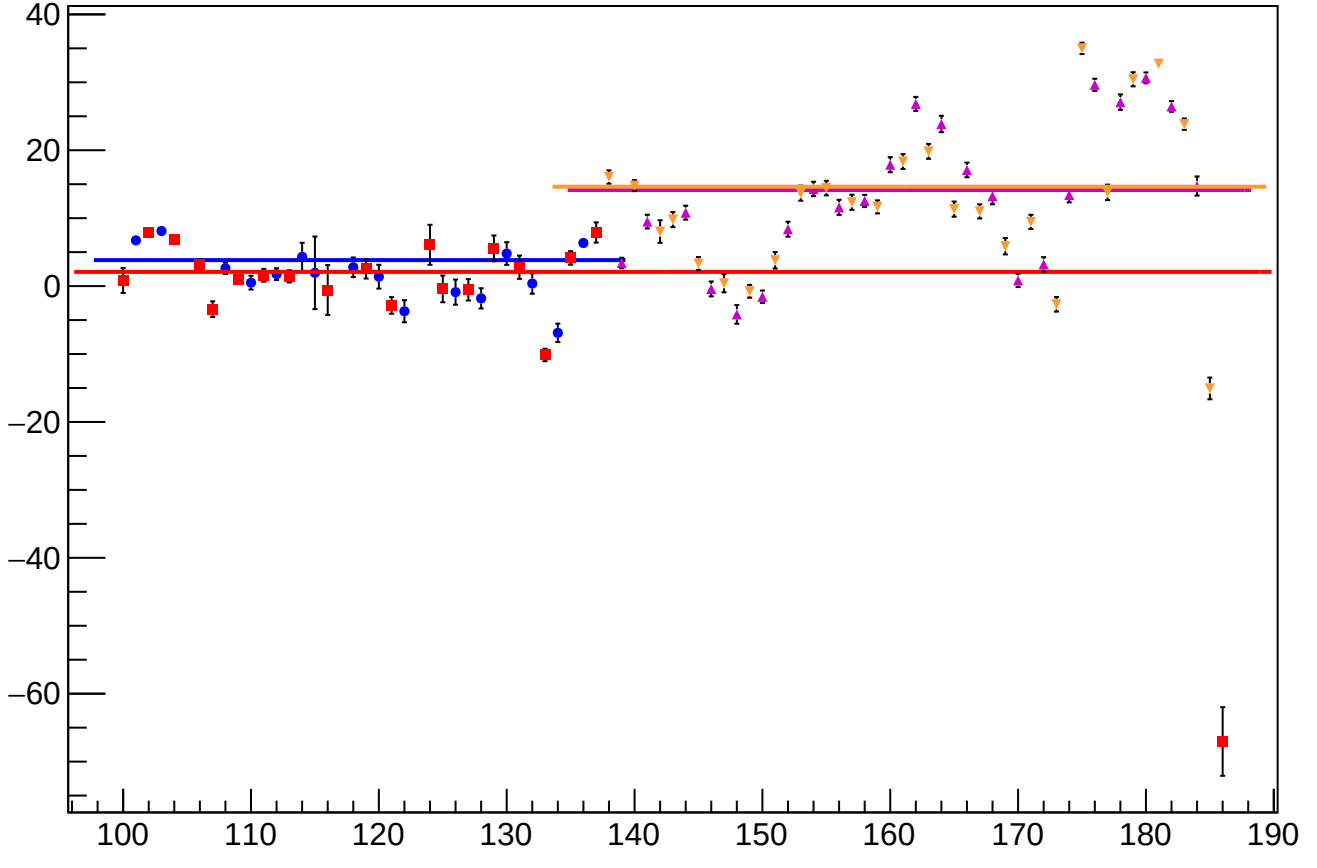
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 60.494+/-0.179 χ^2/NDF: 2804.2/35

In: 59.659+/-0.142 χ^2/NDF:3032.7/38

Out: 58.731+/-0.134 χ^2/NDF:3342.7/44

All: 59.169+/-0.098 χ^2/NDF: 6397.9/83



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

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

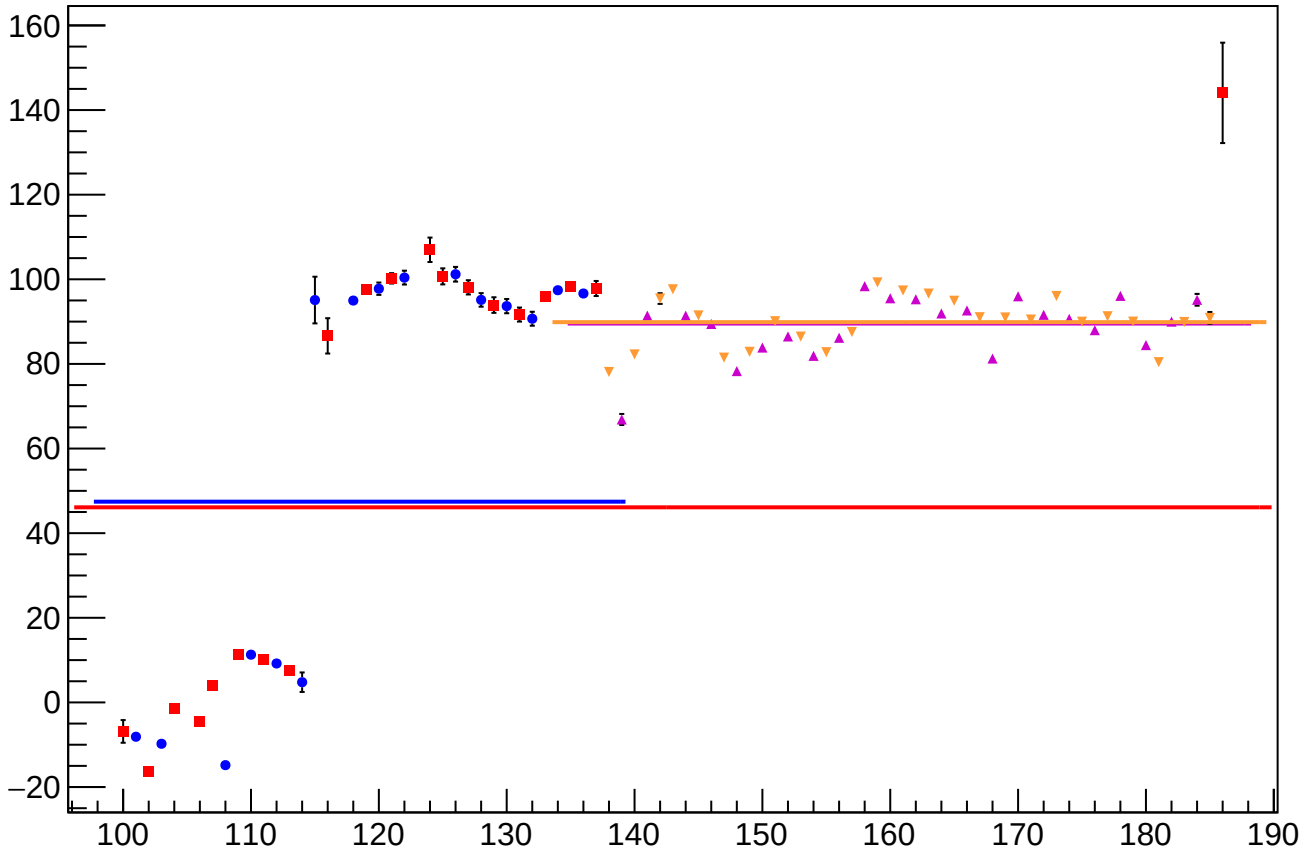
Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

Right: 2.895+/-0.180 χ^2/NDF: 791.3/35

In: 10.141+/-0.165 χ^2/NDF:3675.5/38

Out: 9.448+/-0.158 χ^2/NDF:5044.3/44

All: 9.780+/-0.114 χ^2/NDF: 8728.9/83



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

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

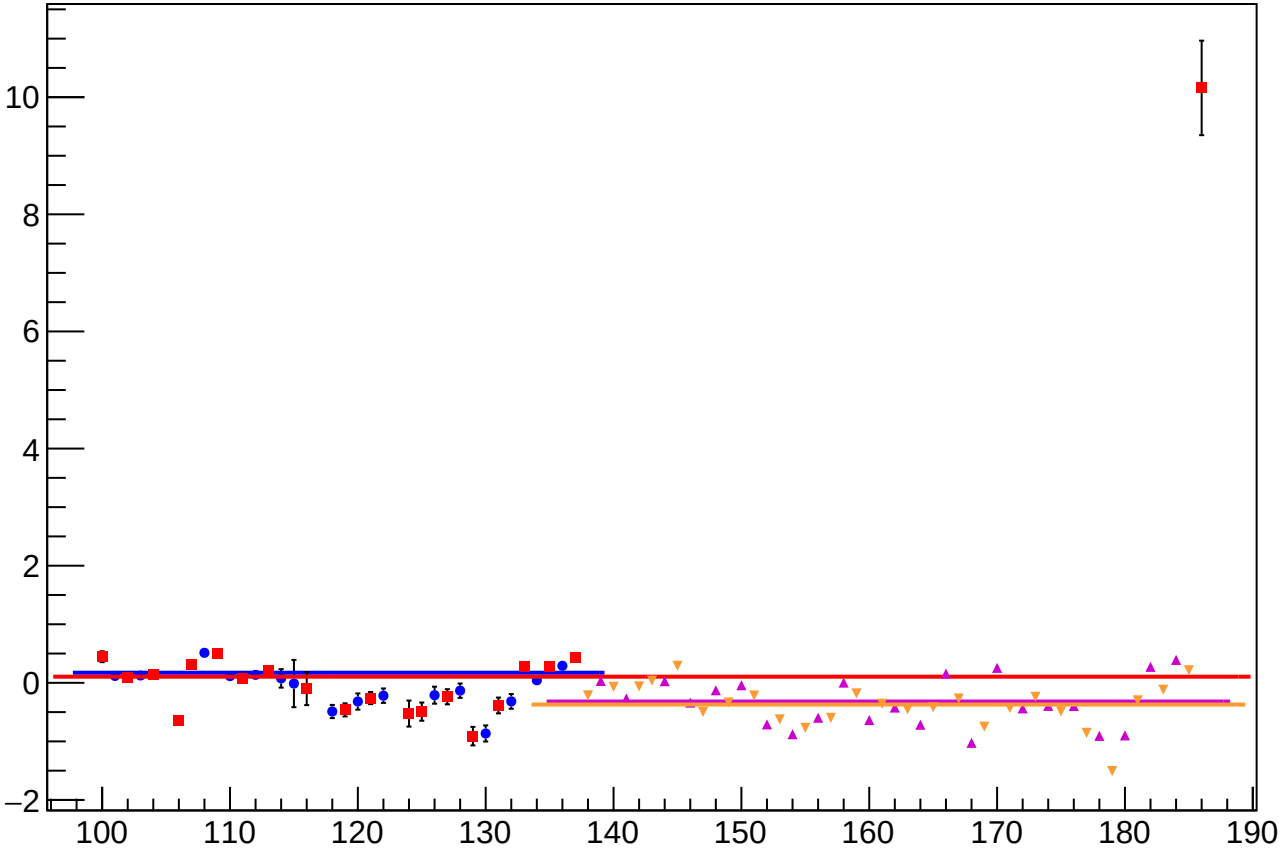
Right: 46.723+/-0.209 χ^2/NDF: 55863.0/35

In: 78.159+/-0.160 χ^2/NDF:41607.8/38

Out: 77.253+/-0.153 χ^2/NDF:46888.9/44

All: 77.684+/-0.111 χ^2/NDF: 88513.5/83

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.105+/-0.013 χ^2/NDF: 714.1/19

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

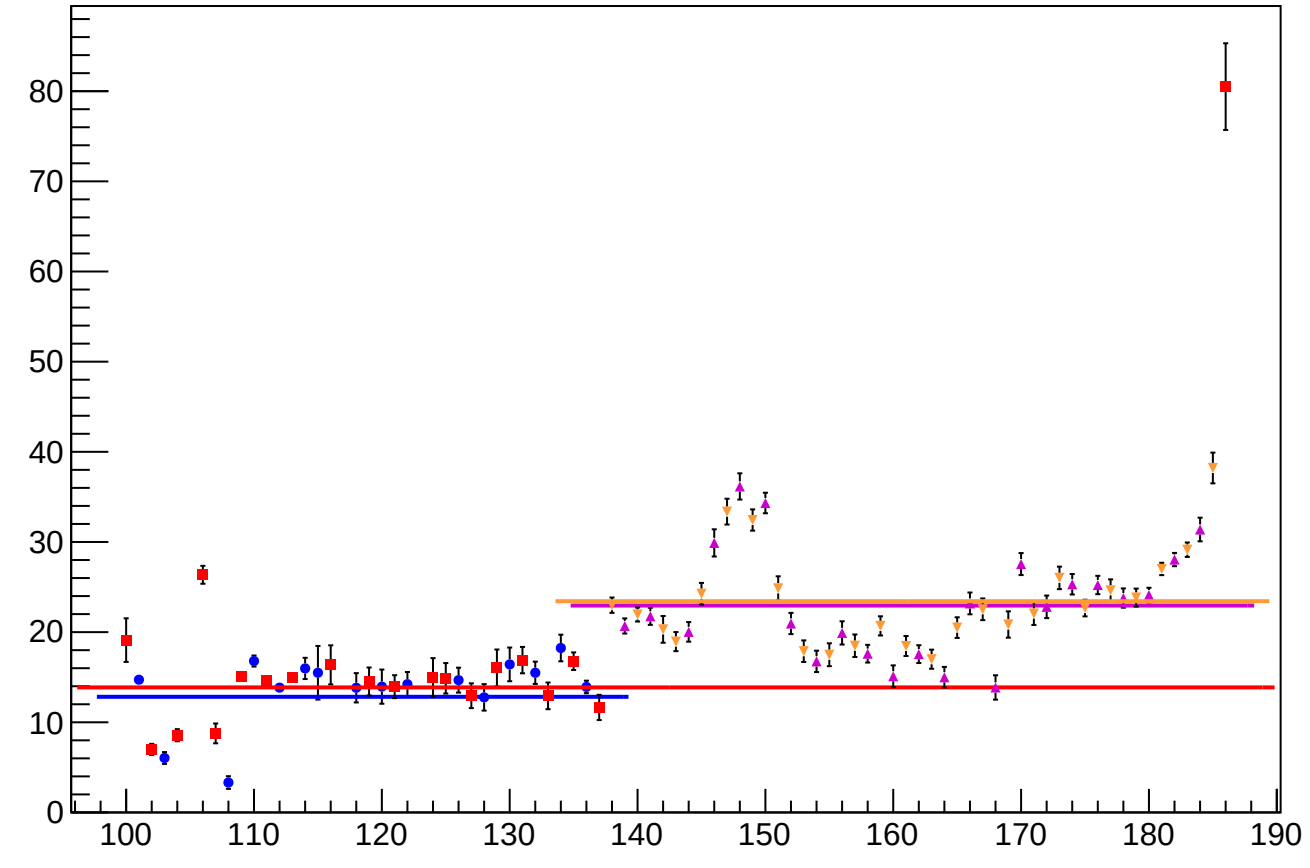
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: 0.137+/-0.010 χ^2/NDF: 991.0/35

In: -0.198+/-0.007 χ^2/NDF:3616.0/38

Out: -0.246+/-0.007 χ^2/NDF:3405.2/44

All: -0.222+/-0.005 χ^2/NDF: 7044.7/83



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

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

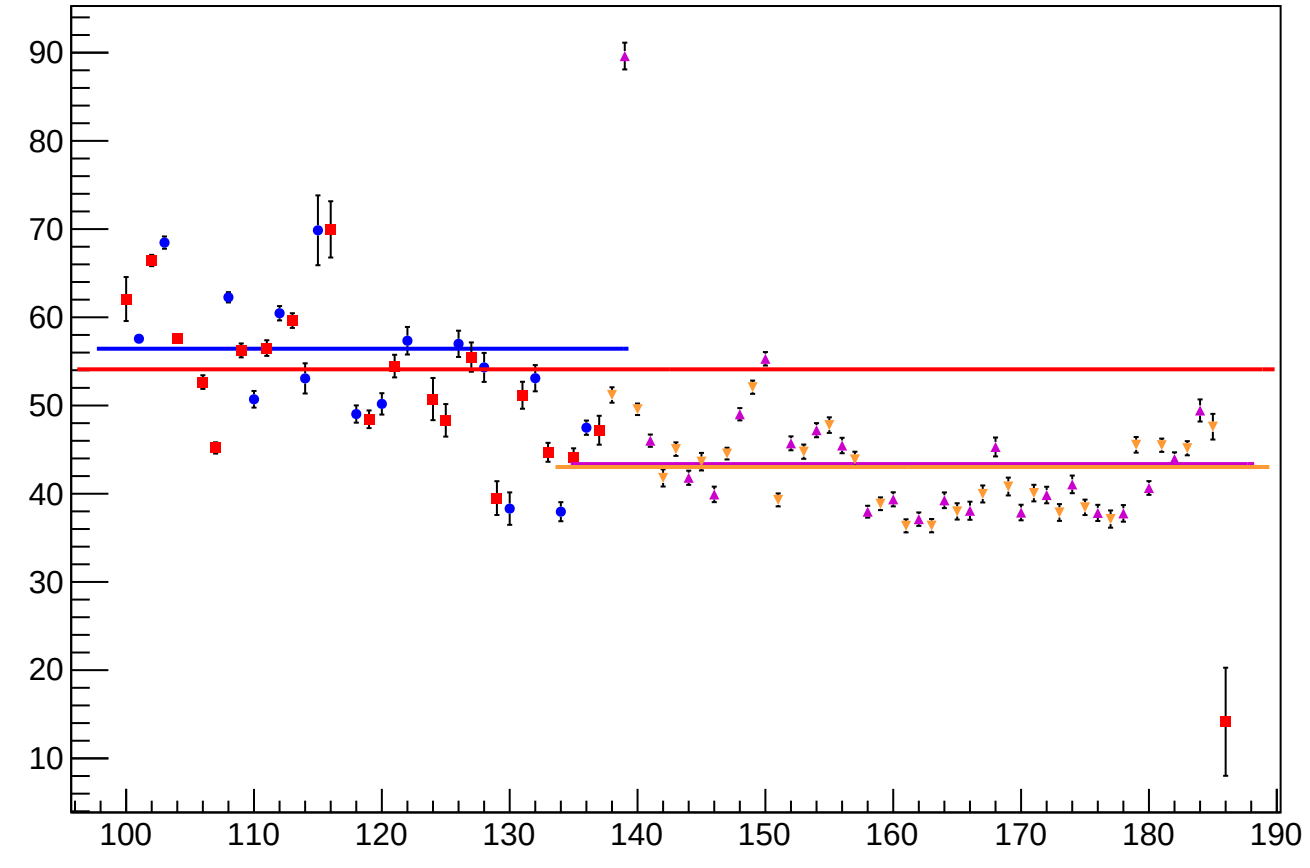
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.374+/-0.148 χ^2/NDF: 997.0/35

In: 17.627+/-0.155 χ^2/NDF:2013.7/38

Out: 18.380+/-0.148 χ^2/NDF:2061.0/44

All: 18.021+/-0.107 χ^2/NDF: 4087.0/83



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

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

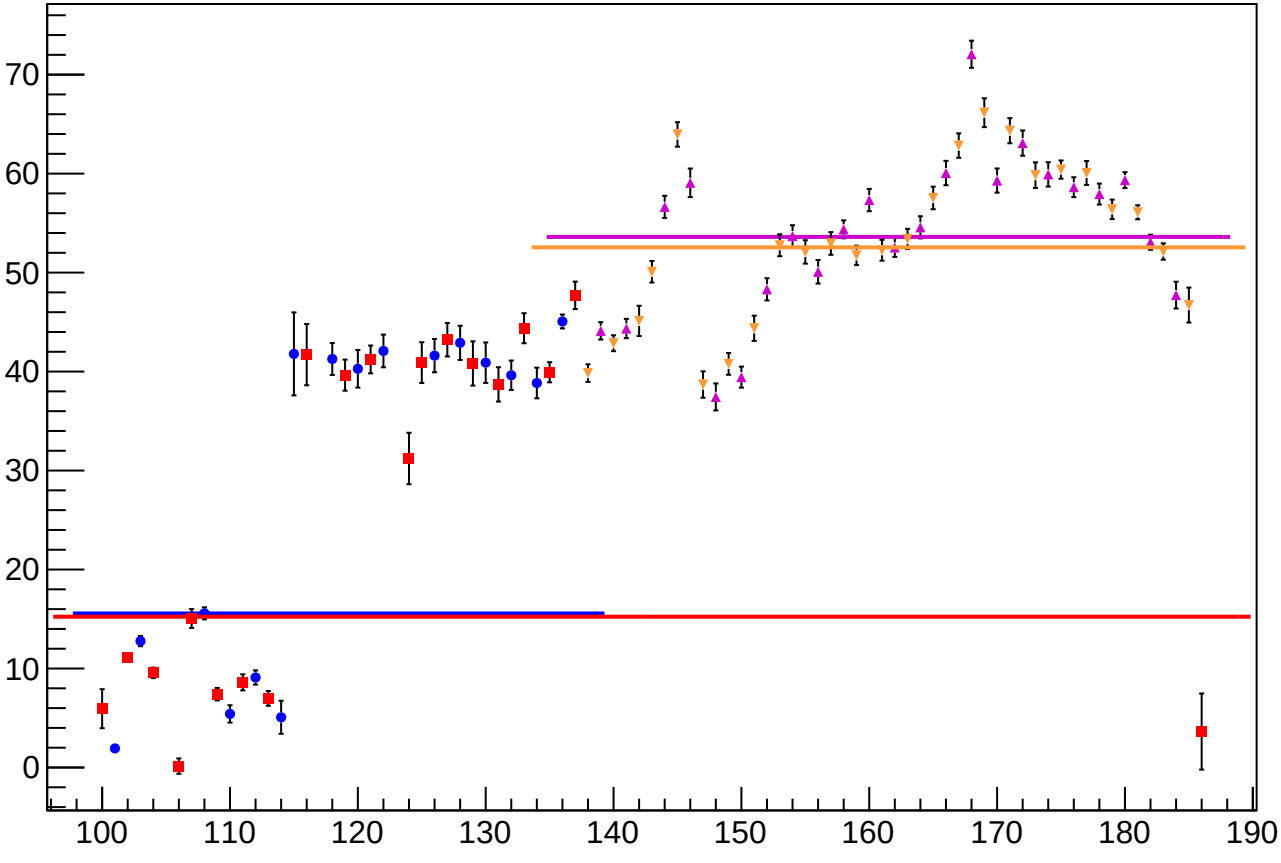
Right: 55.284+/-0.158 χ^2/NDF: 2192.0/35

In: 48.450+/-0.138 χ^2/NDF:4894.2/38

Out: 46.985+/-0.134 χ^2/NDF:3395.4/44

All: 47.695+/-0.096 χ^2/NDF: 8347.3/83

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

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

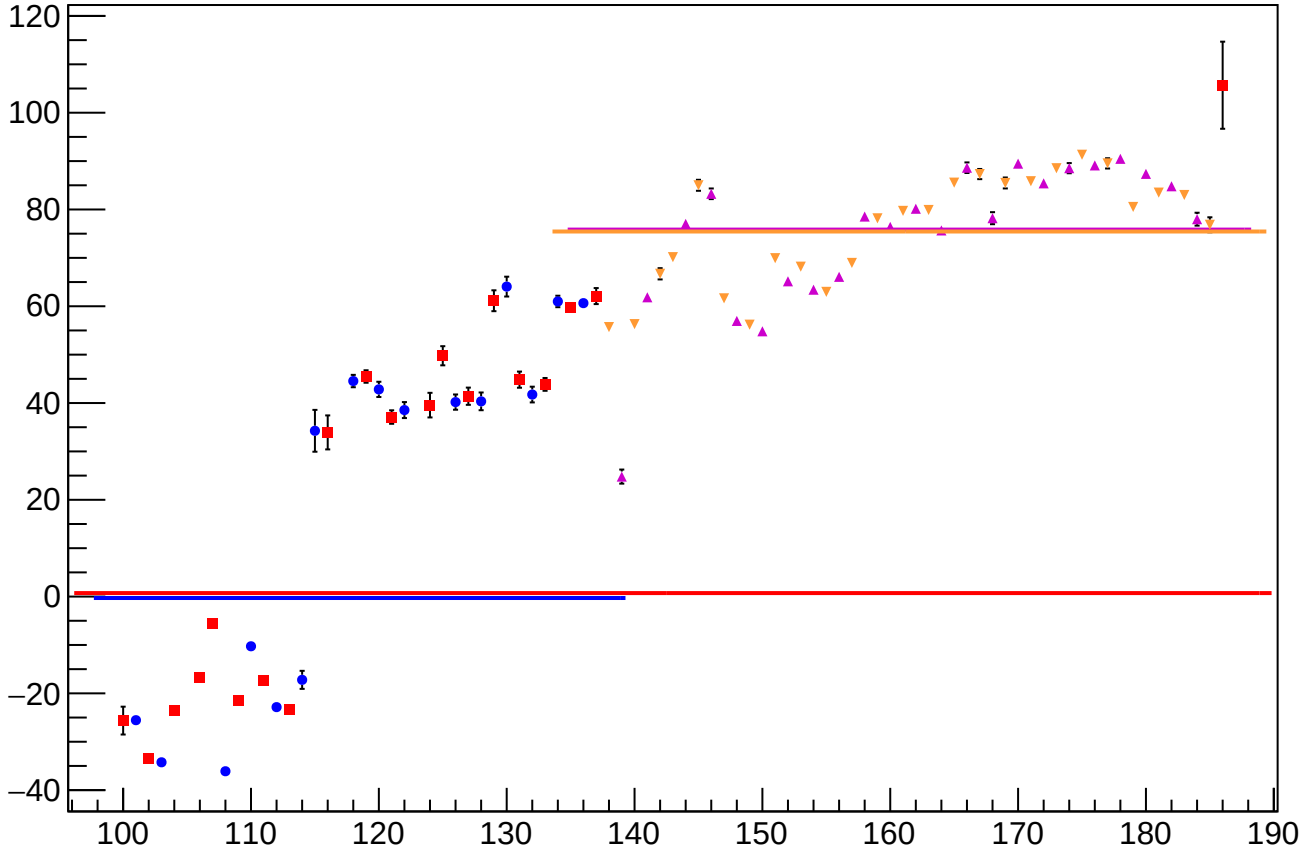
Right: 15.401+/-0.153 χ^2/NDF: 9059.3/35

In: 33.808+/-0.154 χ^2/NDF:21351.2/38

Out: 34.253+/-0.153 χ^2/NDF:19896.1/44

All: 34.032+/-0.109 χ^2/NDF: 41251.4/83

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

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

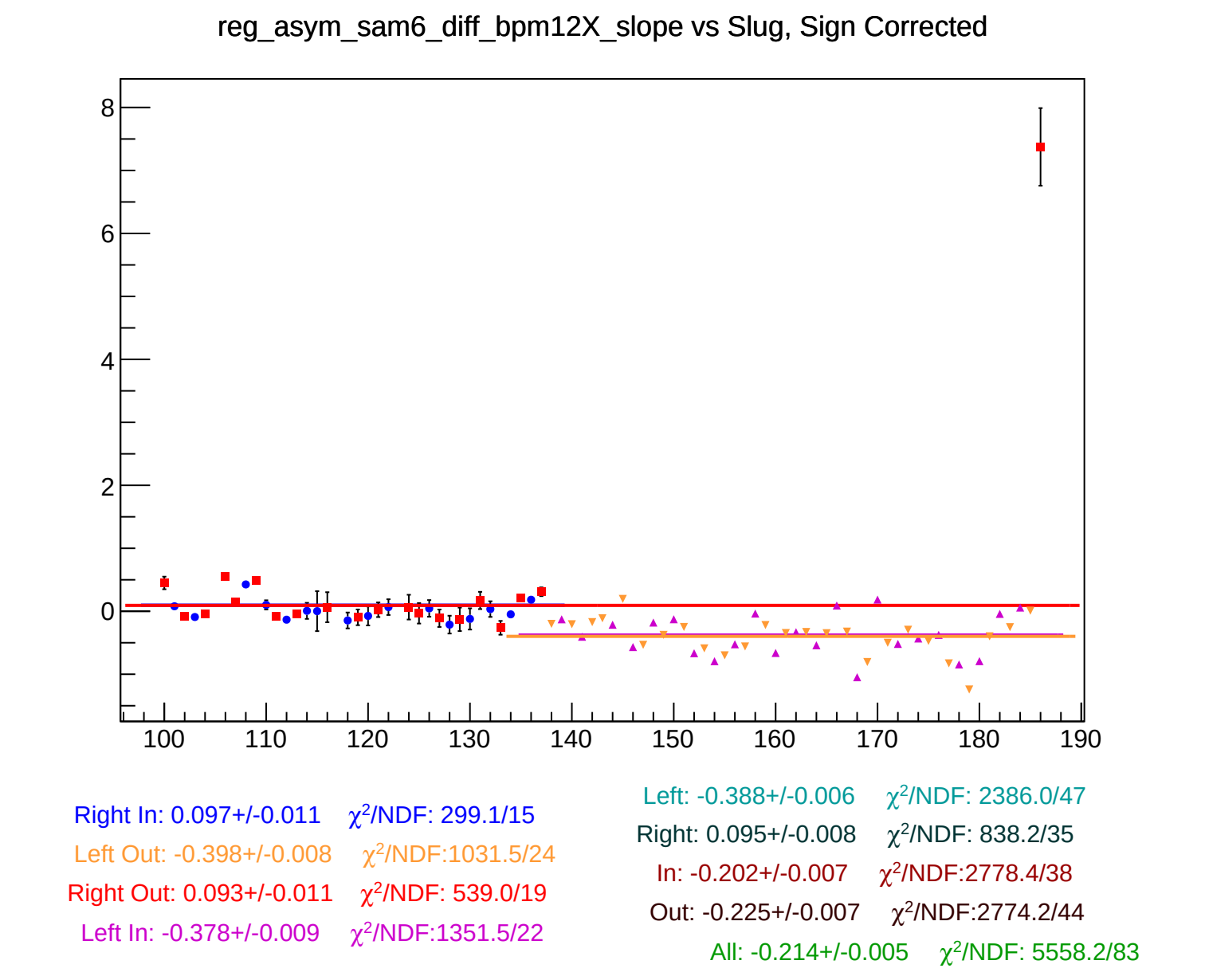
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

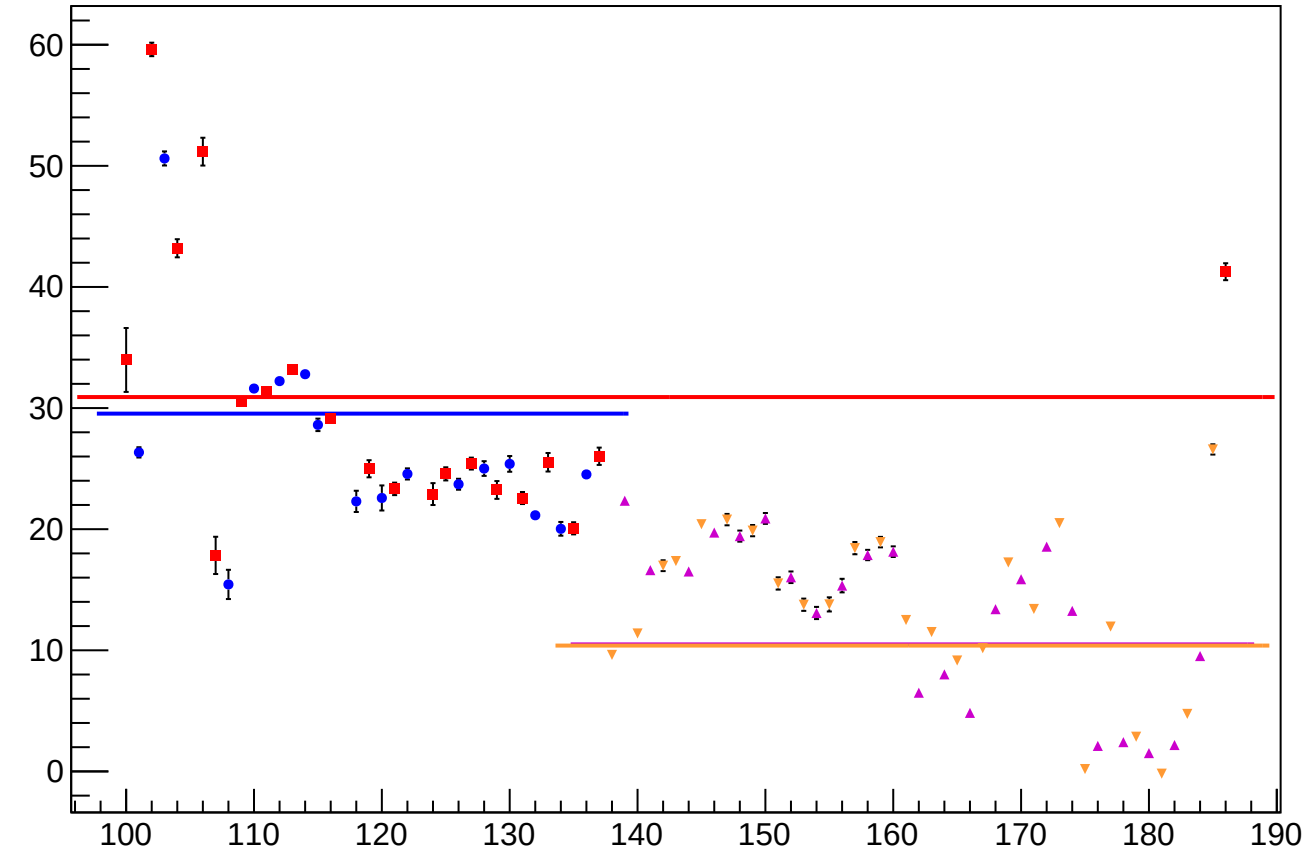
Right: 0.209+/-0.186 χ^2/NDF: 37202.6/35

In: 48.218+/-0.157 χ^2/NDF:79355.5/38

Out: 50.180+/-0.153 χ^2/NDF:72862.1/44

All: 49.226+/-0.110 χ^2/NDF: 152297.4/83


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.097+/-0.011 χ²/NDF: 299.1/15
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: 0.093+/-0.011 χ²/NDF: 539.0/19
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.095+/-0.008 χ²/NDF: 838.2/35
In: -0.202+/-0.007 χ²/NDF:2778.4/38
Out: -0.225+/-0.007 χ²/NDF:2774.2/44
All: -0.214+/-0.005 χ²/NDF: 5558.2/83



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

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

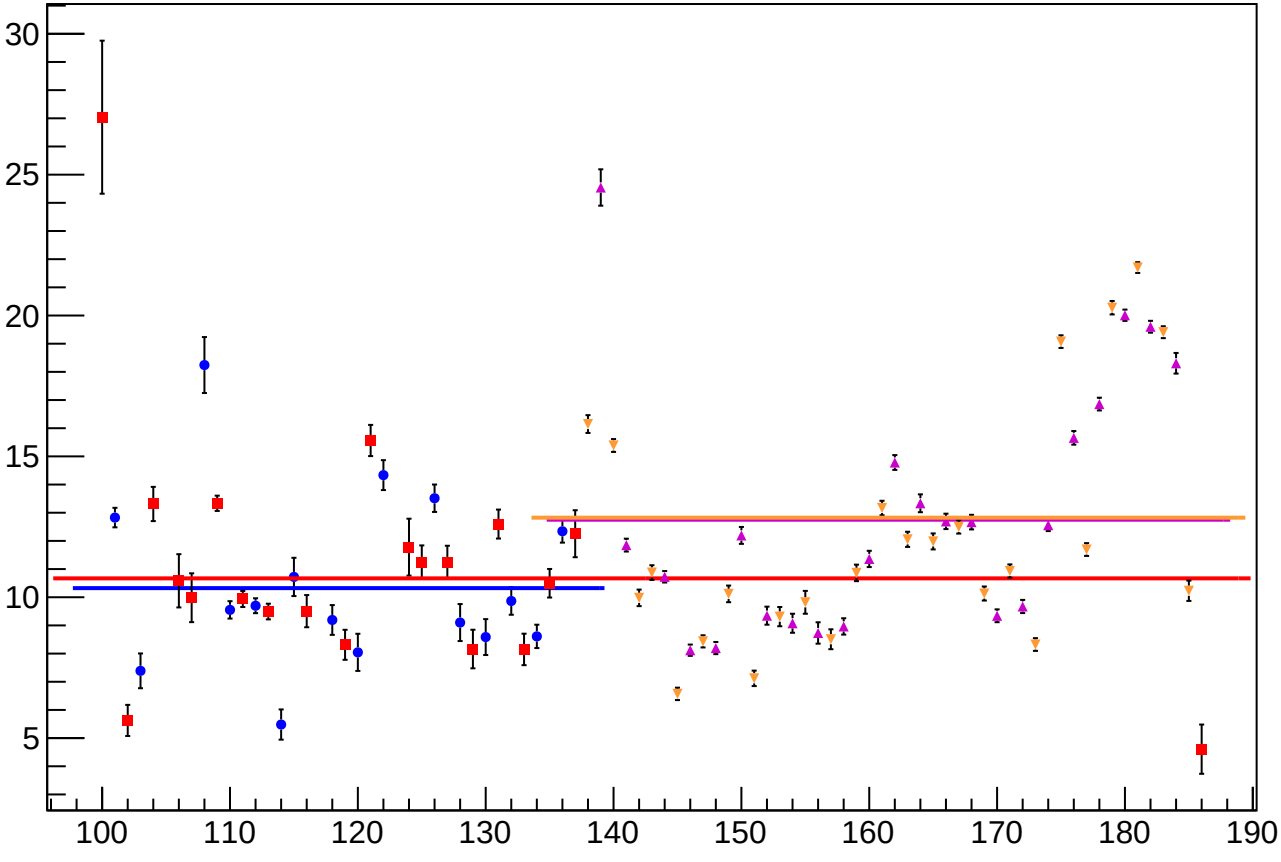
Right: 30.323+/-0.060 χ^2/NDF: 8799.9/35

In: 17.068+/-0.054 χ^2/NDF:42978.8/38

Out: 18.462+/-0.050 χ^2/NDF:59375.9/44

All: 17.820+/-0.037 χ^2/NDF: 102713.8/83

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

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

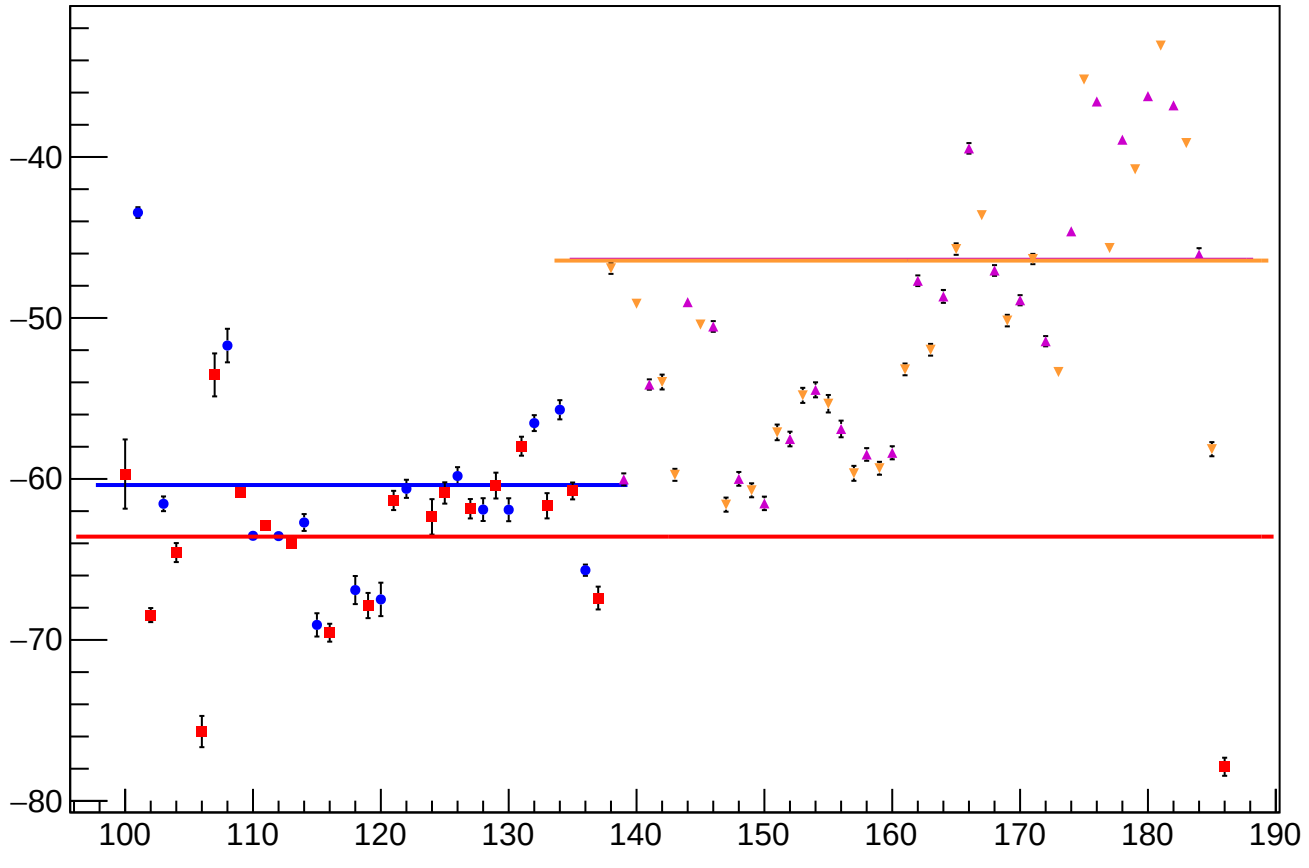
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.500+/-0.080 χ^2/NDF: 872.0/35

In: 12.322+/-0.048 χ^2/NDF:6278.7/38

Out: 12.454+/-0.046 χ^2/NDF:8787.8/44

All: 12.390+/-0.033 χ^2/NDF: 15070.4/83



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

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

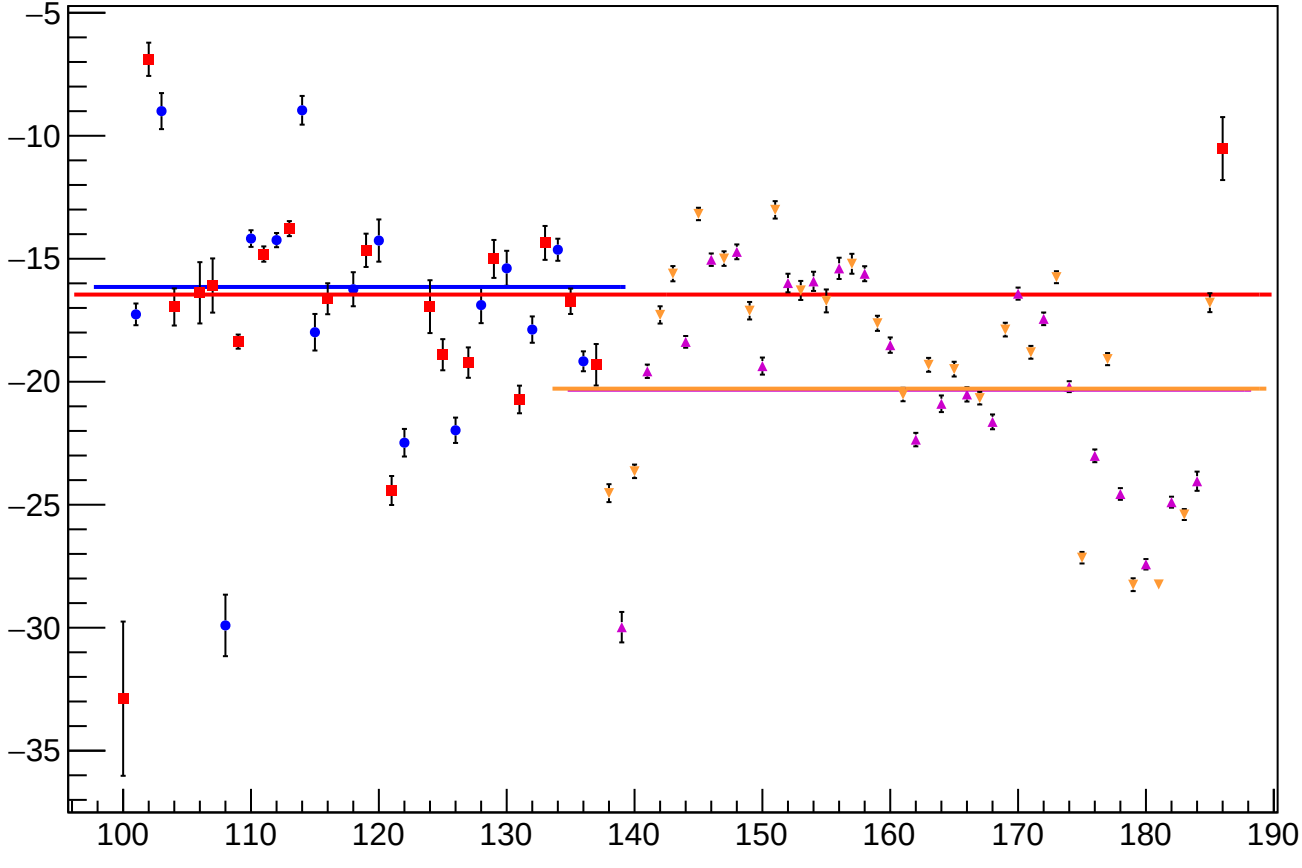
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -62.092+/-0.077 χ^2/NDF: 5544.1/35

In: -50.007+/-0.058 χ^2/NDF:30043.2/38

Out: -51.102+/-0.055 χ^2/NDF:38970.1/44

All: -50.579+/-0.040 χ^2/NDF: 69203.0/83



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

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

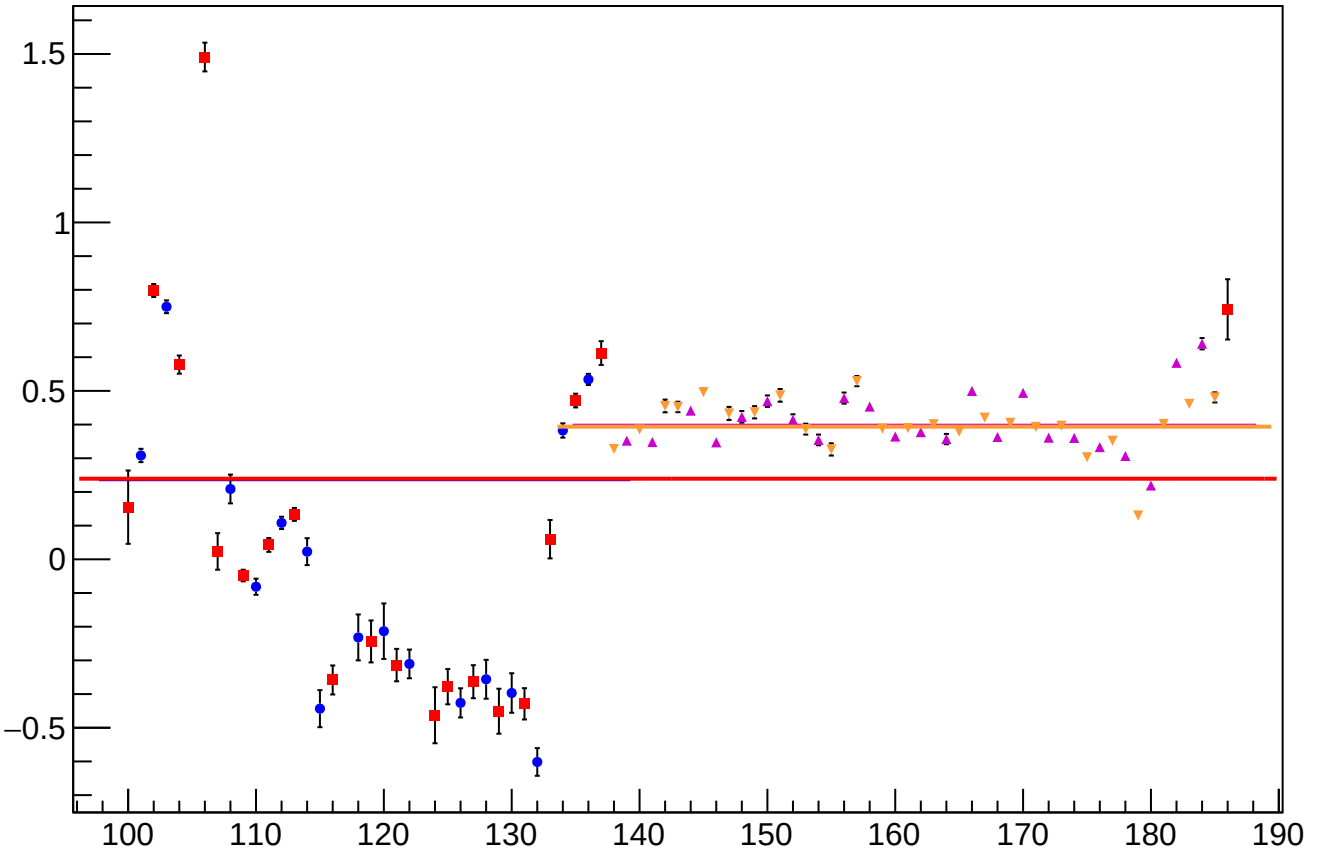
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.305+/-0.089 χ^2/NDF: 1506.5/35

In: -19.583+/-0.054 χ^2/NDF:5957.2/38

Out: -19.613+/-0.052 χ^2/NDF:8510.7/44

All: -19.598+/-0.037 χ^2/NDF: 14468.1/83



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

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

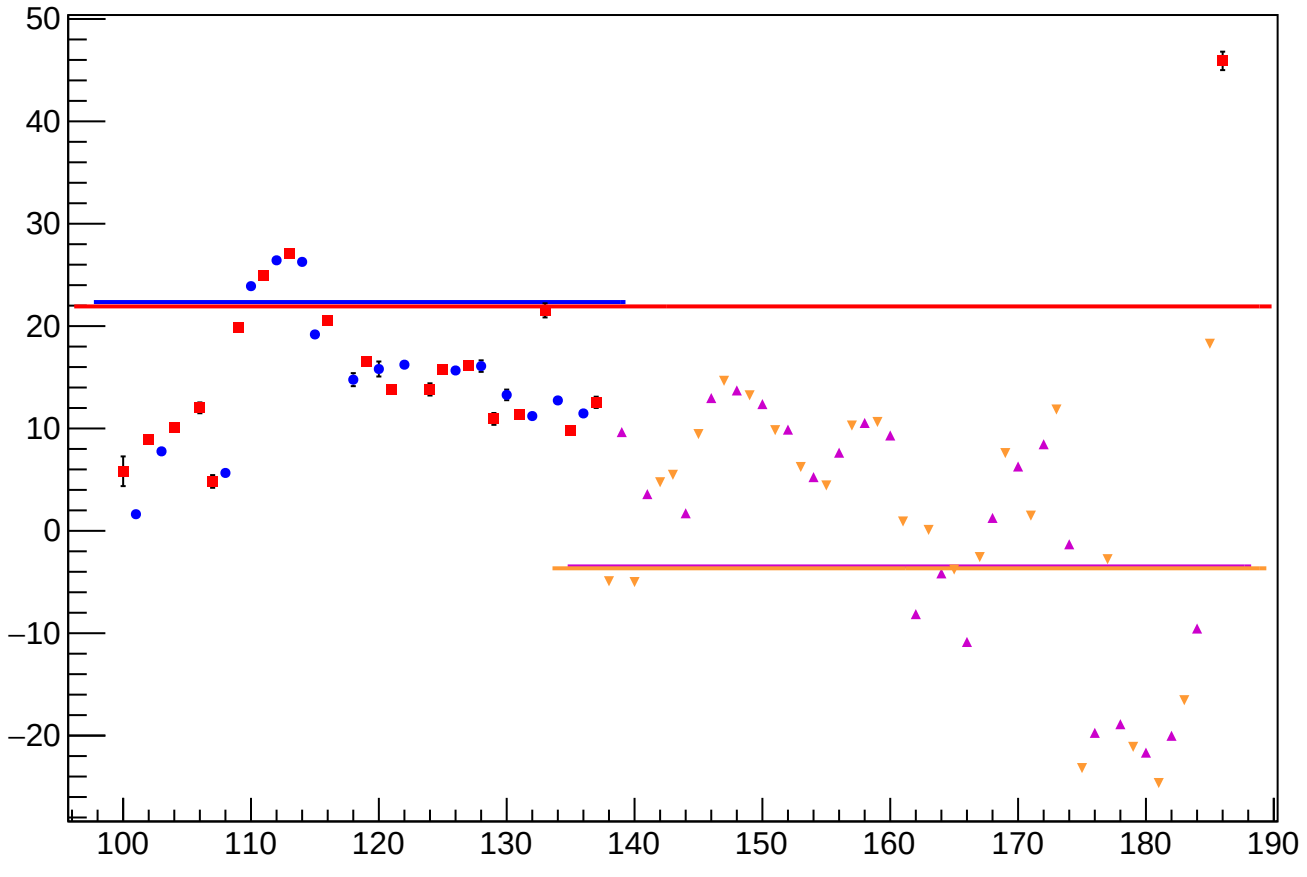
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.239+/-0.005 χ^2/NDF: 6259.7/35

In: 0.377+/-0.002 χ^2/NDF:4373.3/38

Out: 0.376+/-0.002 χ^2/NDF:4995.5/44

All: 0.377+/-0.002 χ^2/NDF: 9369.0/83



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

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

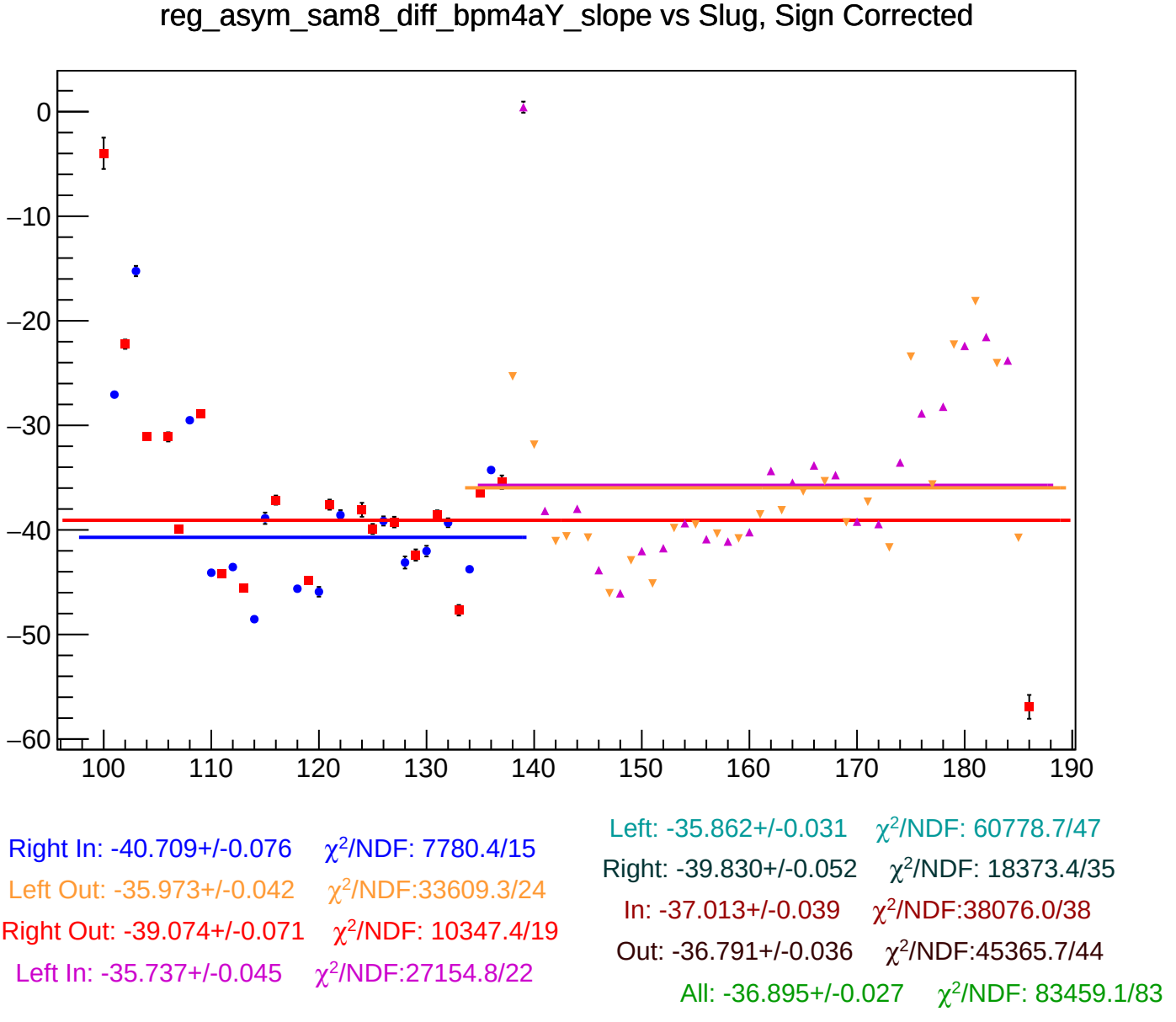
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

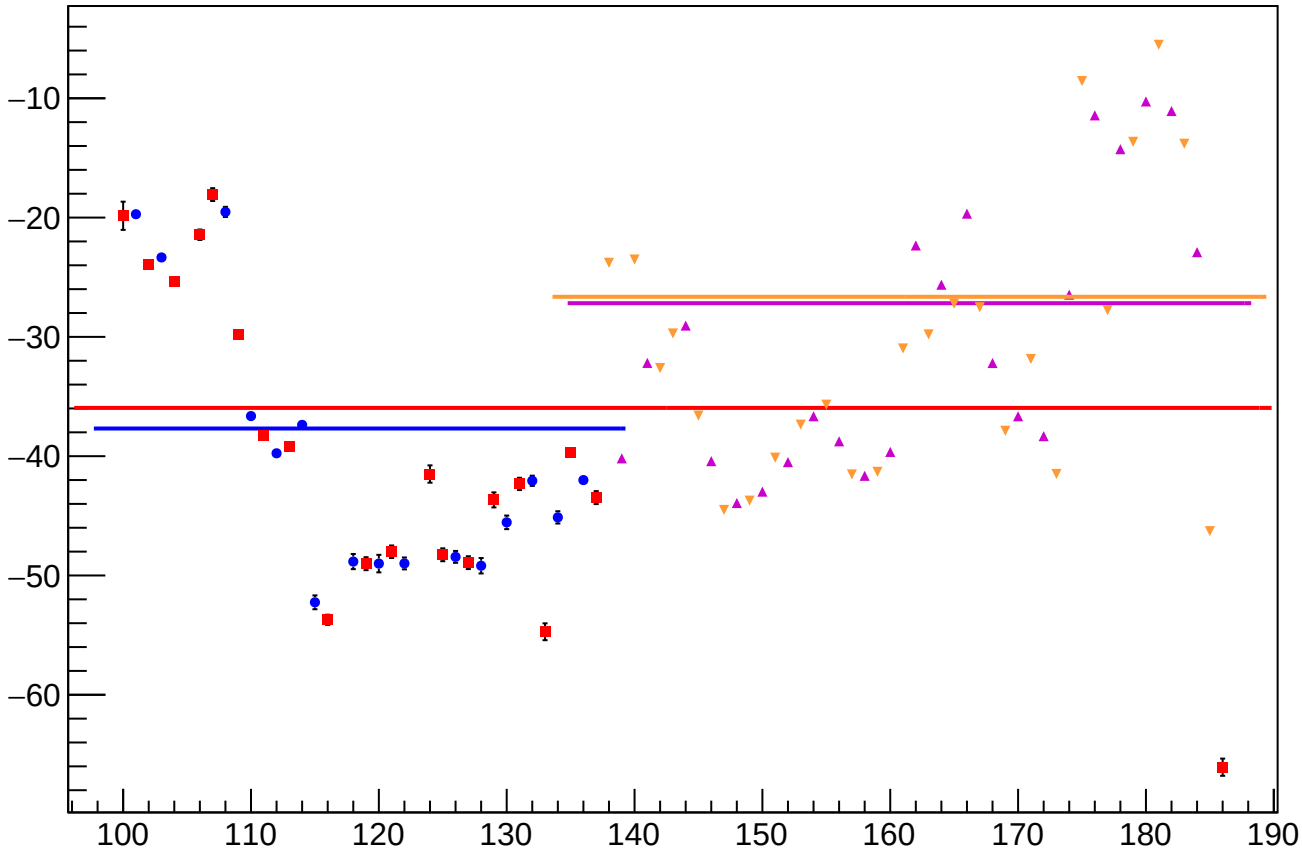
Right: 22.094+/-0.036 χ^2/NDF: 23774.6/35

In: 9.632+/-0.040 χ^2/NDF:160129.8/38

Out: 11.227+/-0.035 χ^2/NDF:196190.5/44

All: 10.535+/-0.027 χ^2/NDF: 357207.3/83


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
180
190
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -35.973+/-0.042 χ²/NDF:33609.3/24
Right Out: -39.074+/-0.071 χ²/NDF: 10347.4/19
Left In: -35.737+/-0.045 χ²/NDF:27154.8/22
Left: -35.862+/-0.031 χ²/NDF: 60778.7/47
Right: -39.830+/-0.052 χ²/NDF: 18373.4/35
In: -37.013+/-0.039 χ²/NDF:38076.0/38
Out: -36.791+/-0.036 χ²/NDF:45365.7/44
All: -36.895+/-0.027 χ²/NDF: 83459.1/83



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

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

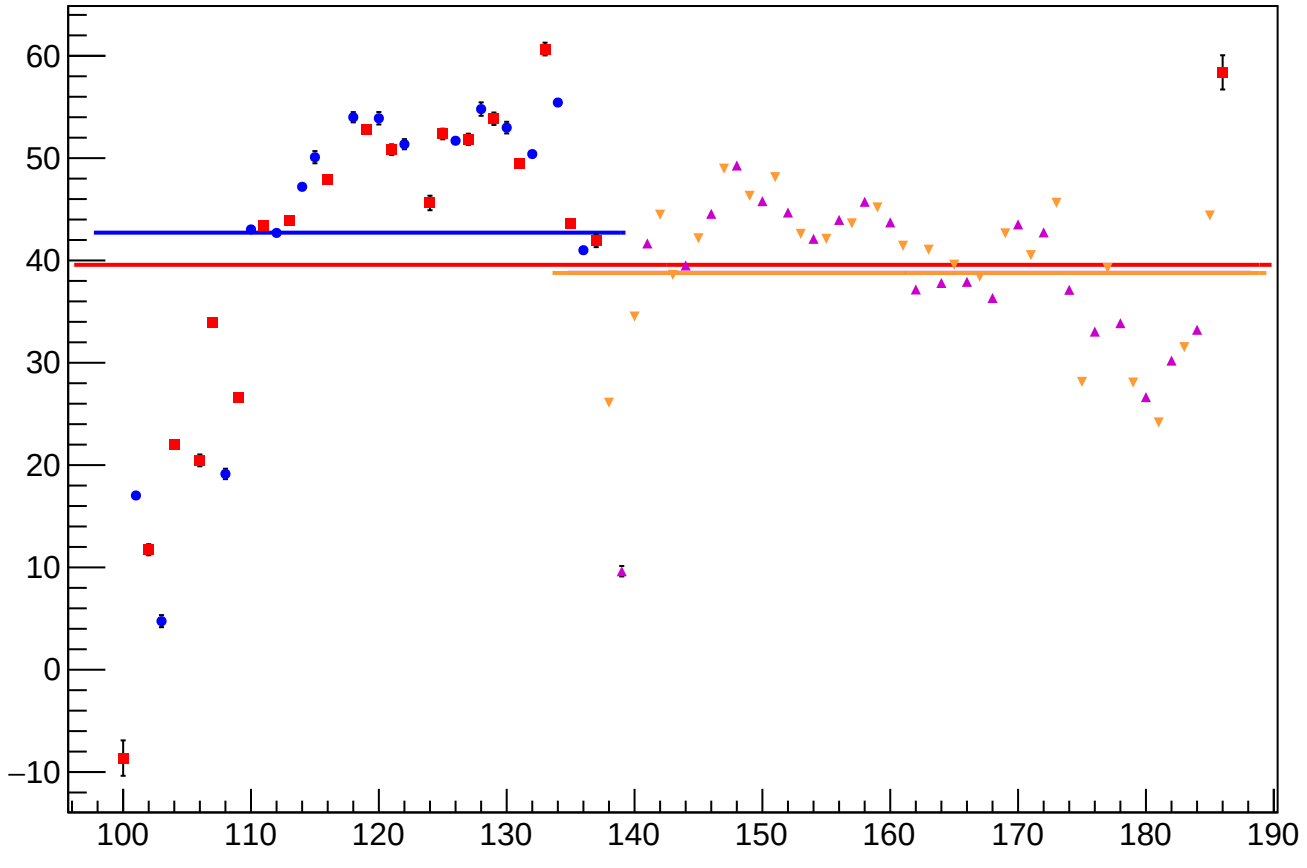
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.696+/-0.048 χ^2/NDF: 26201.5/35

In: -31.124+/-0.045 χ^2/NDF:64508.8/38

Out: -30.557+/-0.042 χ^2/NDF:77333.5/44

All: -30.816+/-0.031 χ^2/NDF: 141927.7/83



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

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

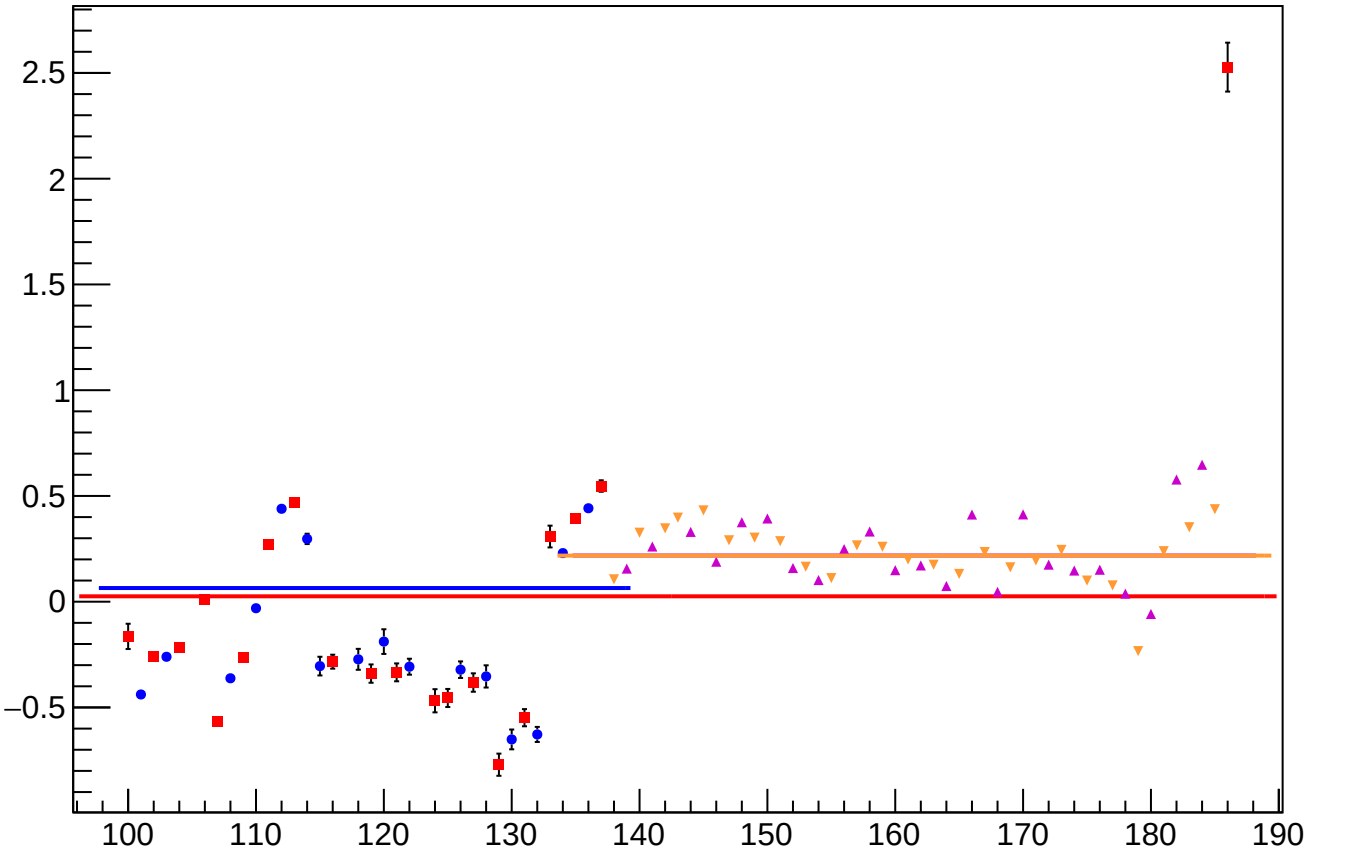
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

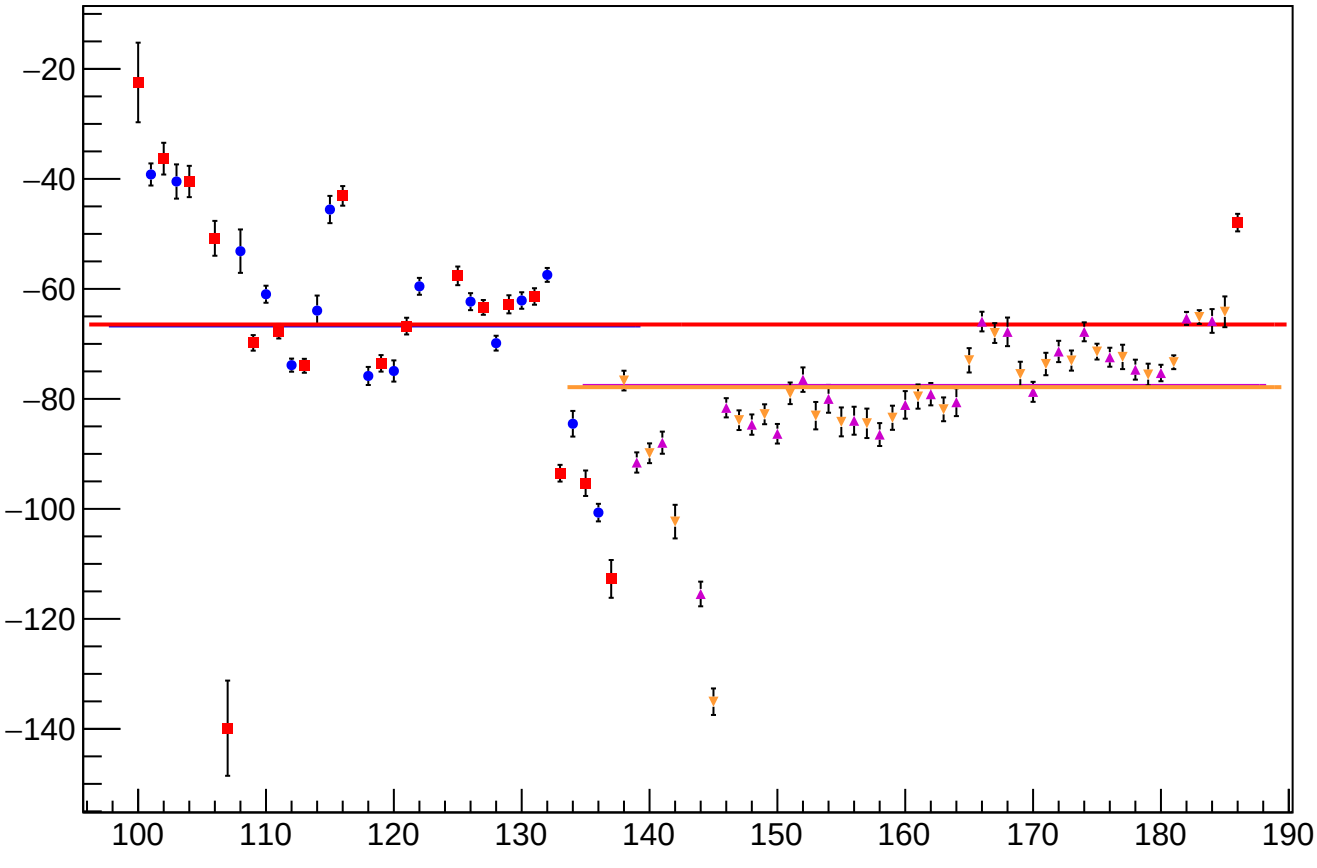
Right: 41.012+/-0.058 χ^2/NDF: 33611.0/35

In: 39.805+/-0.043 χ^2/NDF:32586.6/38

Out: 38.994+/-0.041 χ^2/NDF:39251.1/44

All: 39.375+/-0.030 χ^2/NDF: 72024.4/83


reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.065+/-0.005 χ²/NDF: 5497.5/15
Left Out: 0.218+/-0.002 χ²/NDF:4075.0/24
Right Out: 0.025+/-0.004 χ²/NDF: 6874.0/19
Left In: 0.218+/-0.002 χ²/NDF:5312.2/22
Left: 0.218+/-0.002 χ²/NDF: 9387.2/47
Right: 0.043+/-0.003 χ²/NDF: 12407.5/35
In: 0.191+/-0.002 χ²/NDF:11641.1/38
Out: 0.181+/-0.002 χ²/NDF:12503.0/44
All: 0.186+/-0.001 χ²/NDF: 24159.0/83



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -66.472+/-0.406 χ^2/NDF: 1399.7/18

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

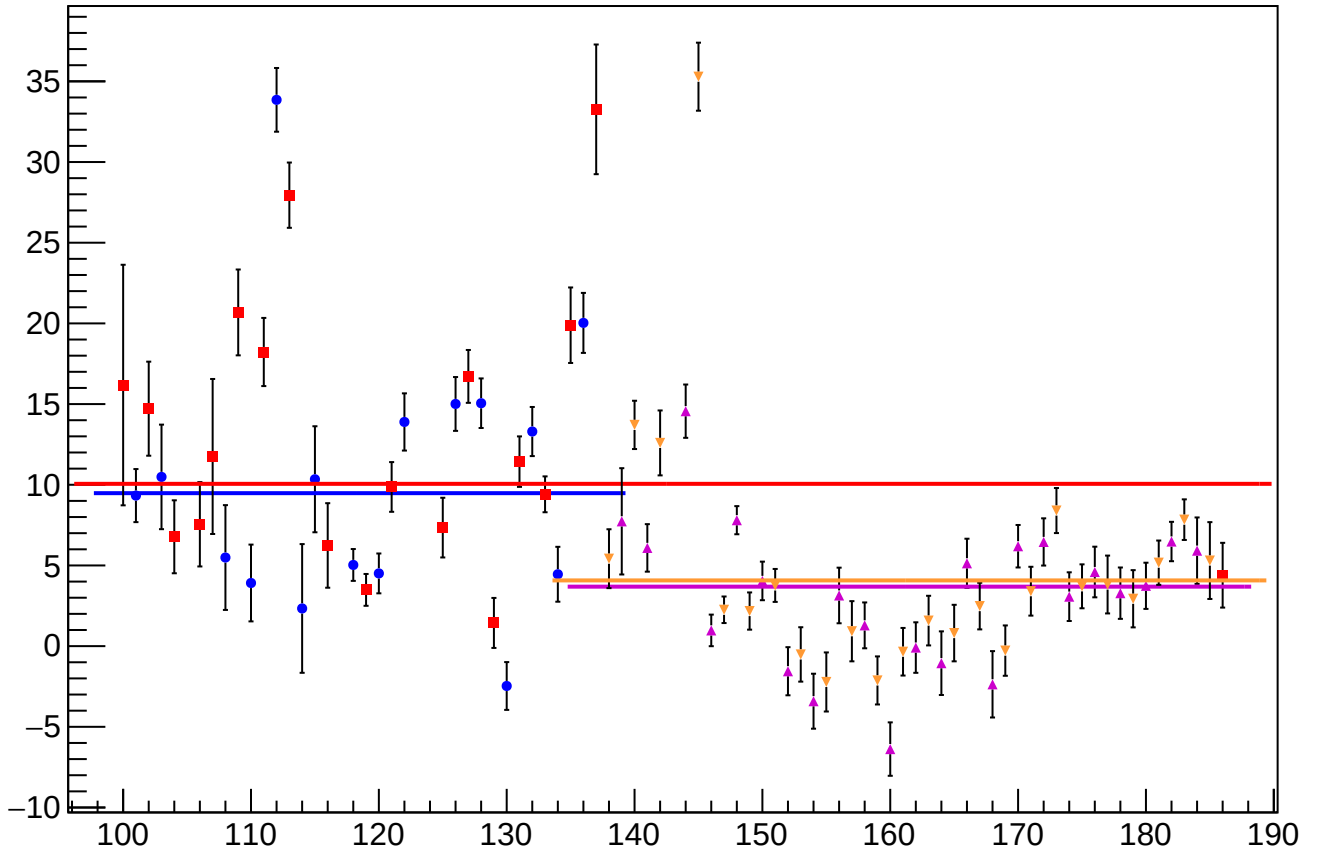
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -66.556+/-0.294 χ^2/NDF: 2452.2/34

In: -72.542+/-0.290 χ^2/NDF:2102.6/38

Out: -72.335+/-0.283 χ^2/NDF:2737.9/42

All: -72.435+/-0.203 χ^2/NDF: 4840.8/81



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

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

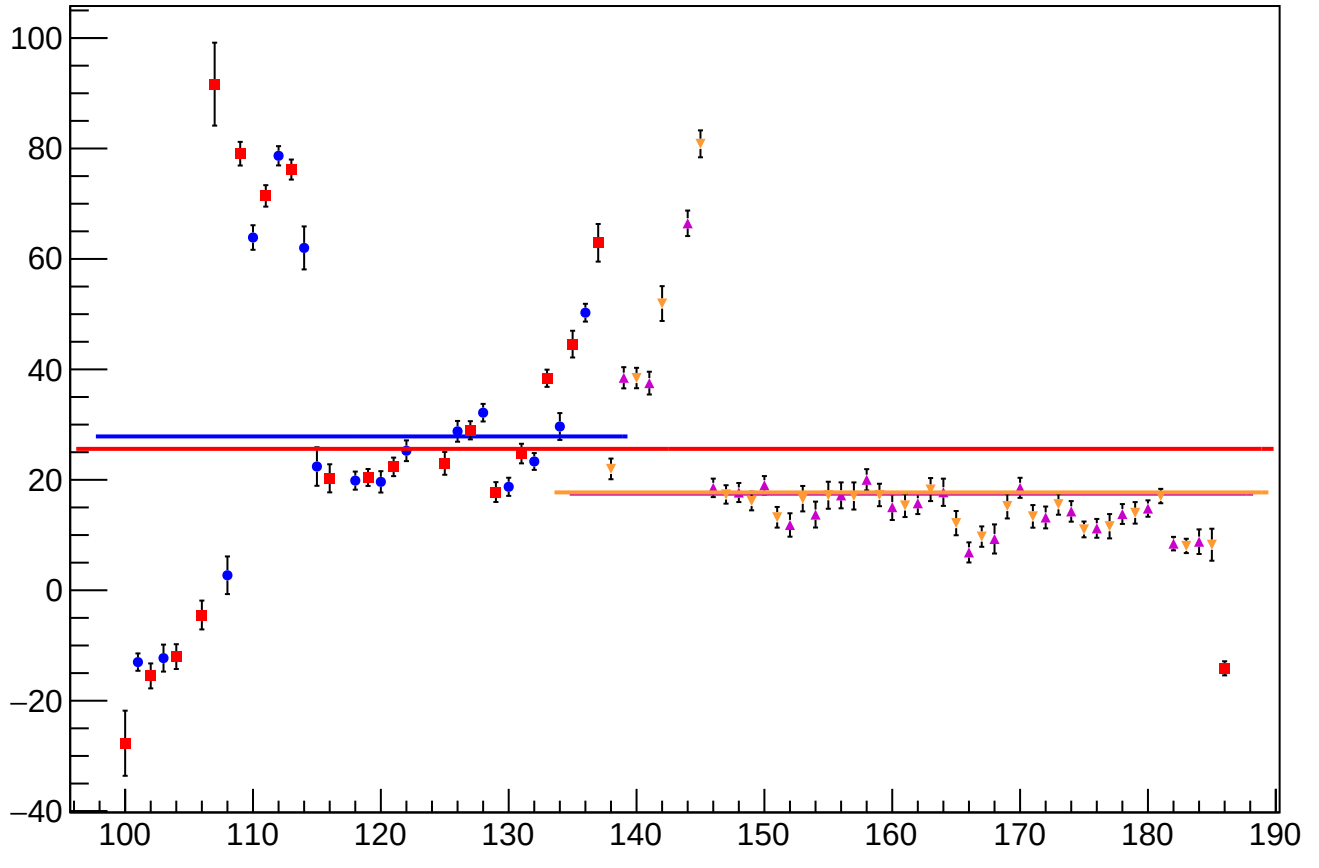
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.770+/-0.302 χ^2/NDF: 614.6/34

In: 5.608+/-0.247 χ^2/NDF:646.9/38

Out: 6.030+/-0.243 χ^2/NDF:775.3/42

All: 5.822+/-0.173 χ^2/NDF: 1423.7/81



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

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

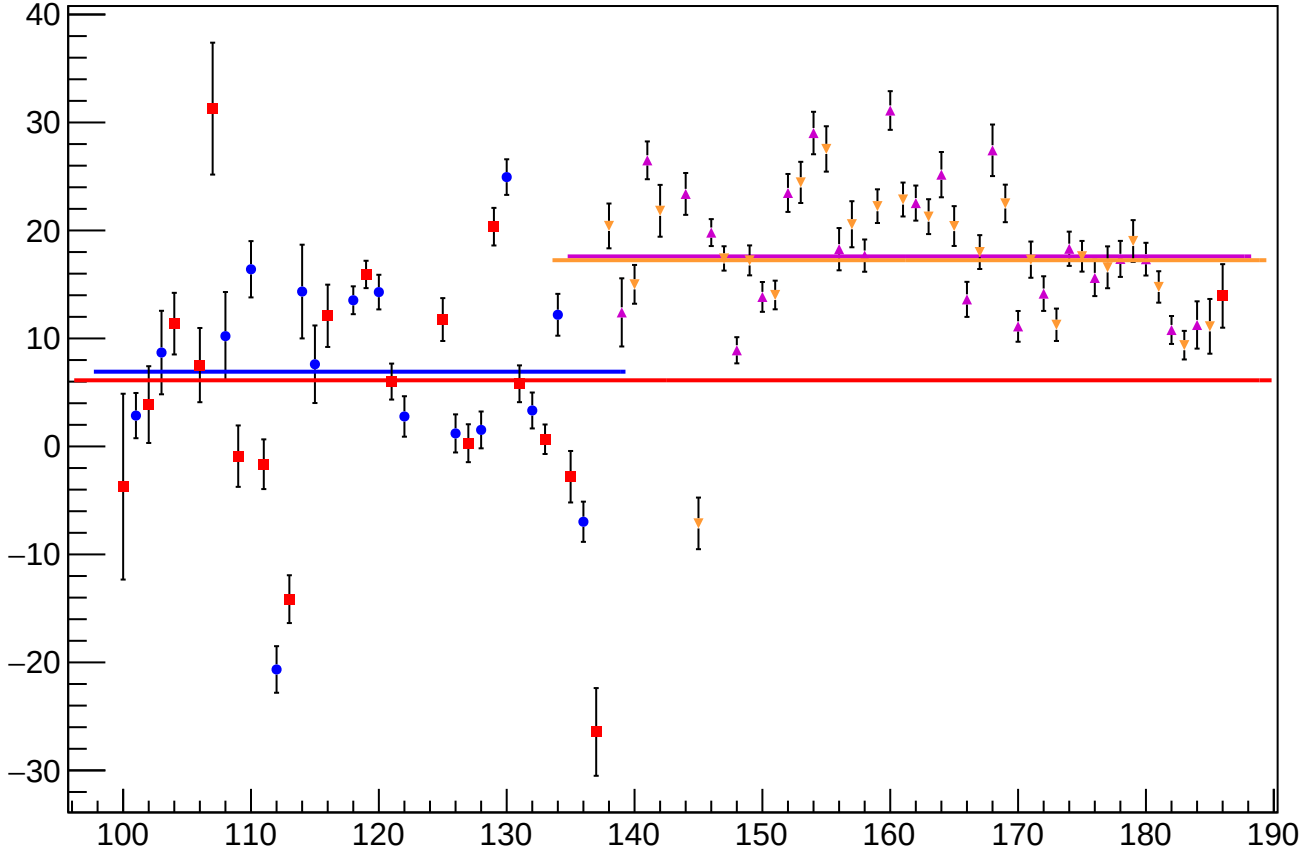
Right: 26.670+/-0.331 χ^2/NDF: 6604.5/34

In: 21.624+/-0.305 χ^2/NDF:3572.5/38

Out: 21.070+/-0.297 χ^2/NDF:5349.9/42

All: 21.340+/-0.213 χ^2/NDF: 8924.1/81

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

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

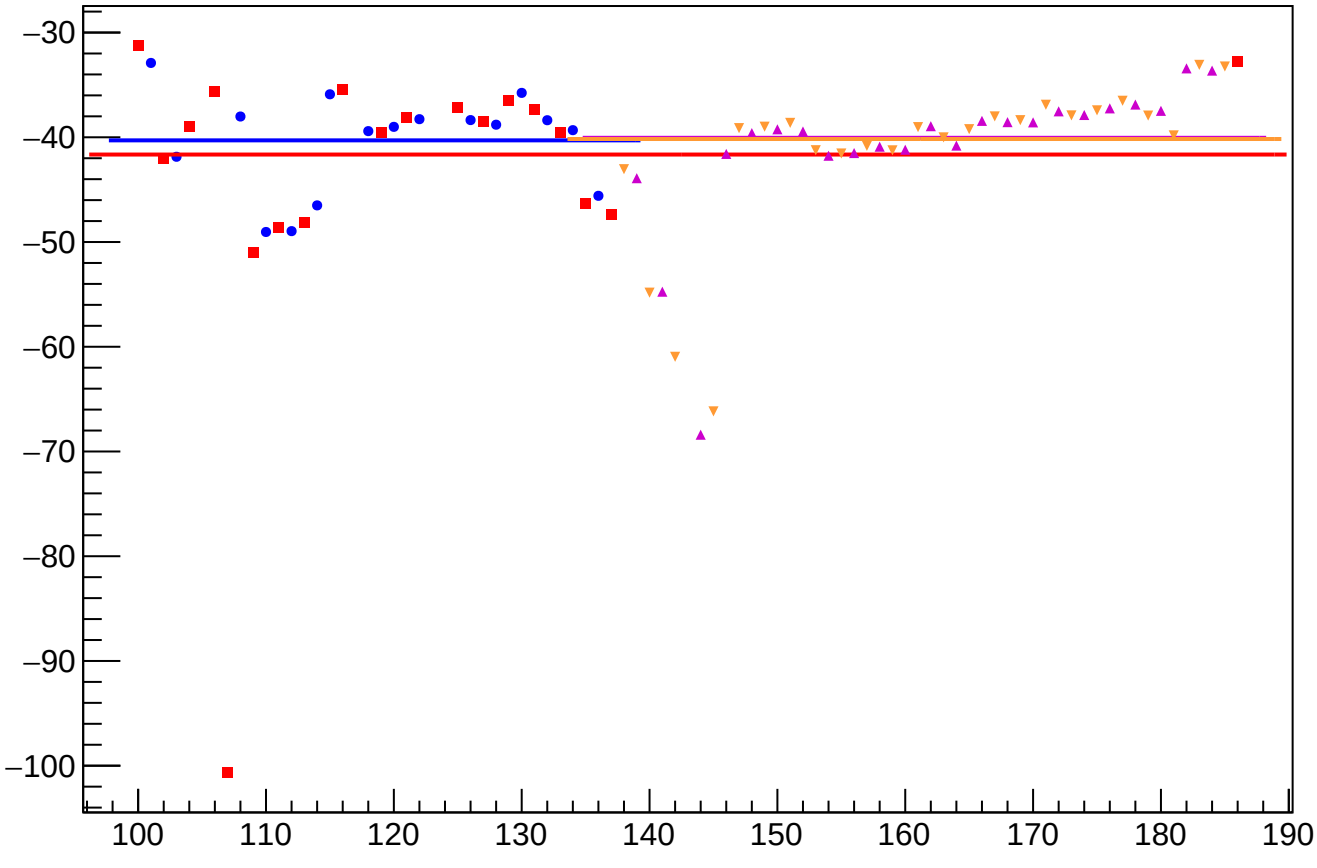
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.522+/-0.350 χ^2/NDF: 820.5/34

In: 14.150+/-0.282 χ^2/NDF:1068.2/38

Out: 13.703+/-0.279 χ^2/NDF:980.3/42

All: 13.924+/-0.198 χ^2/NDF: 2049.8/81



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

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

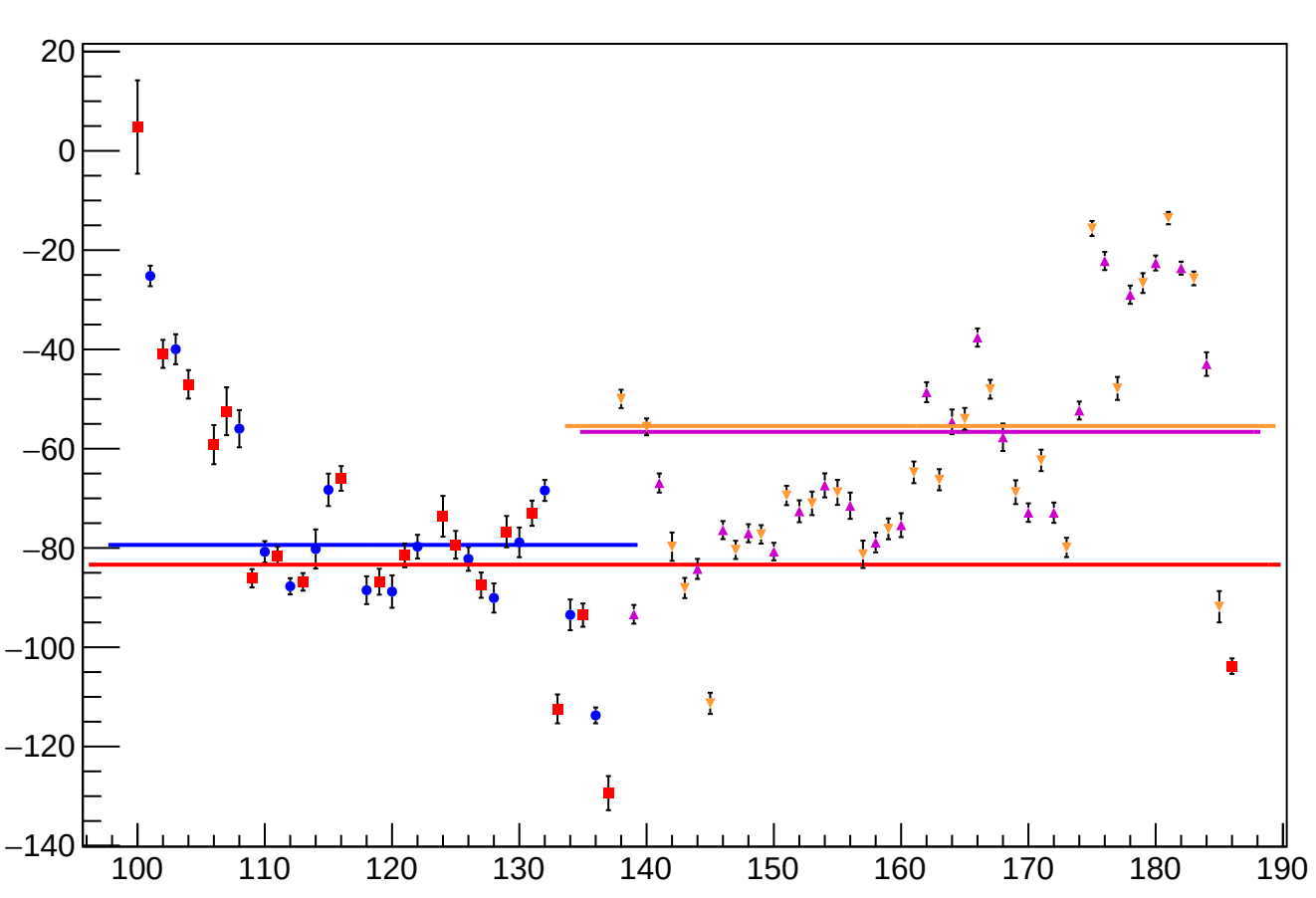
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.964+/-0.022 χ^2/NDF: 82253.2/34

In: -40.097+/-0.014 χ^2/NDF:157150.5/38

Out: -40.449+/-0.014 χ^2/NDF:225772.9/42

All: -40.272+/-0.010 χ^2/NDF: 383245.9/81



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

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

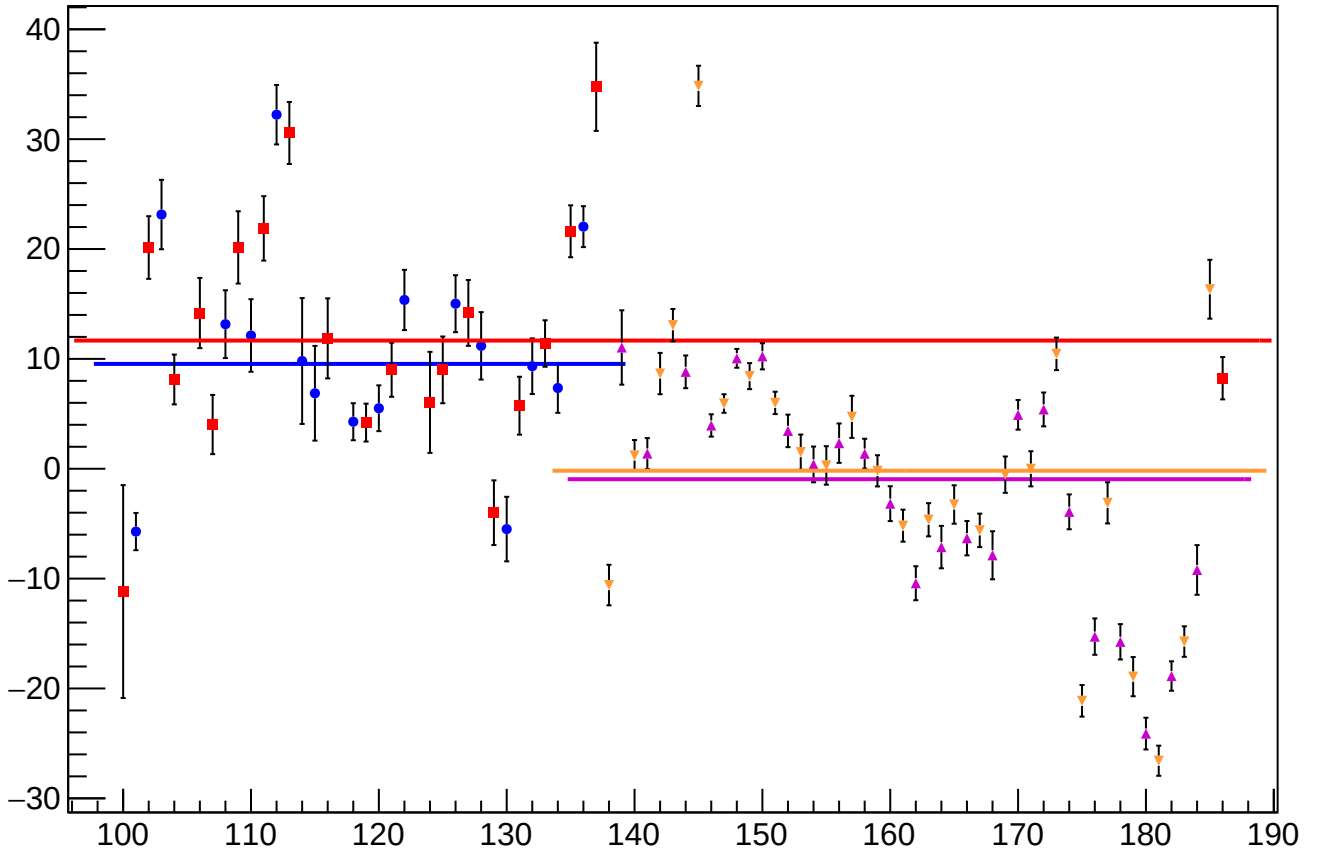
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

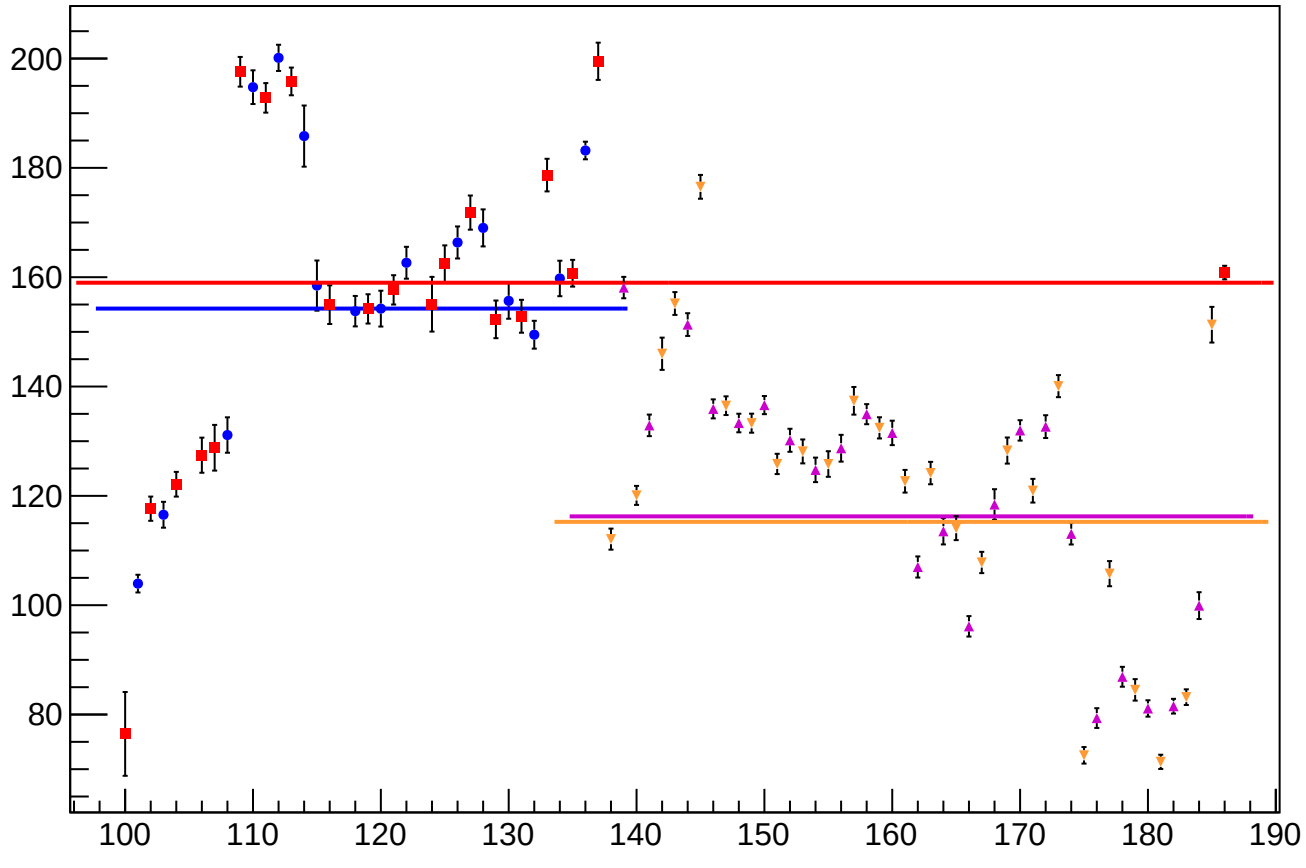
Right: -81.531+/-0.414 χ^2/NDF: 2610.7/35

In: -63.529+/-0.337 χ^2/NDF:5792.9/38

Out: -64.577+/-0.322 χ^2/NDF:7290.2/44

All: -64.076+/-0.233 χ^2/NDF: 13088.2/83


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: 9.543+/-0.621 χ²/NDF: 267.1/15
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: 10.634+/-0.433 χ²/NDF: 472.4/35
In: 1.076+/-0.273 χ²/NDF:1566.8/38
Out: 2.088+/-0.264 χ²/NDF:2108.4/44
All: 1.598+/-0.190 χ²/NDF: 3682.4/83



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

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

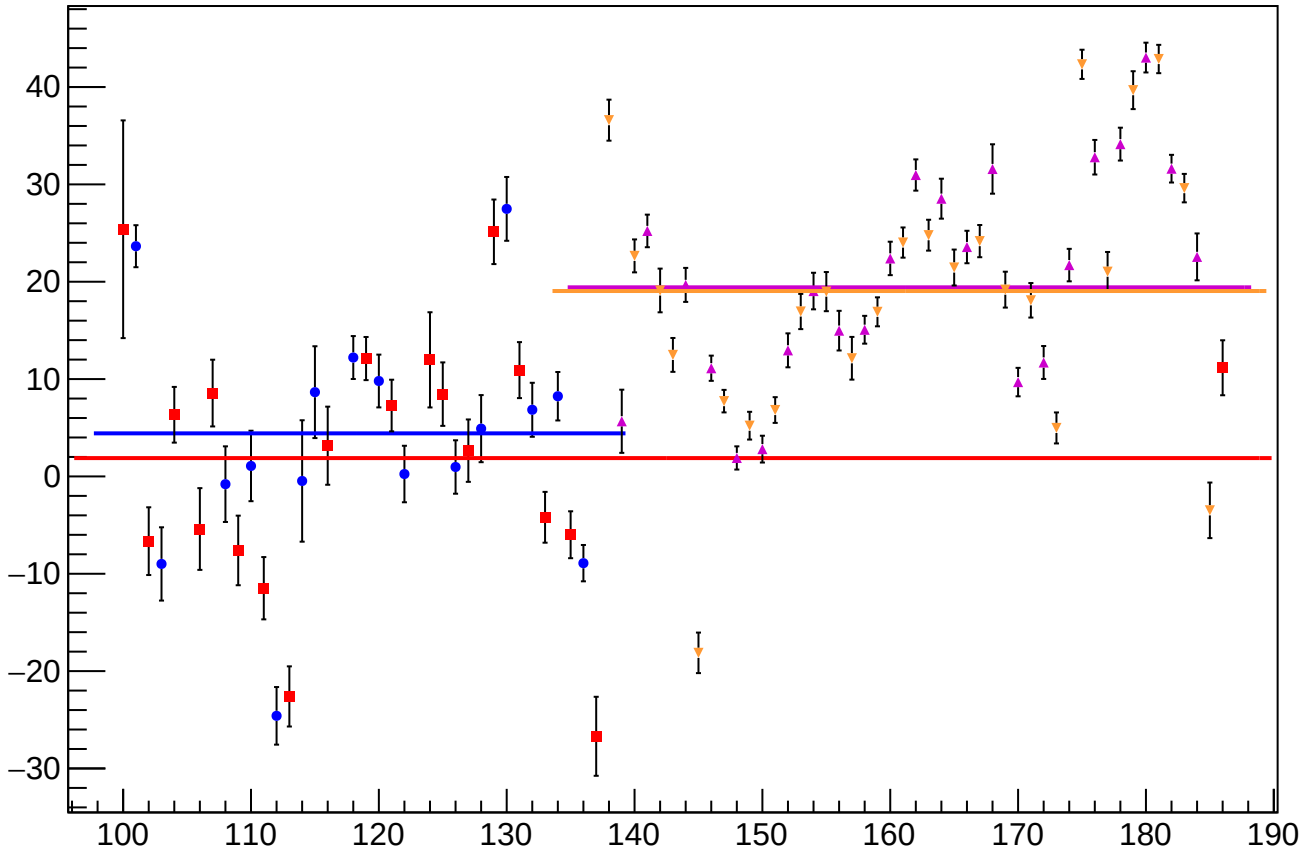
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 156.860+/-0.444 χ^2/NDF: 3908.9/35

In: 126.388+/-0.342 χ^2/NDF:8270.7/38

Out: 128.288+/-0.327 χ^2/NDF:10249.1/44

All: 127.380+/-0.236 χ^2/NDF: 18535.9/83



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

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

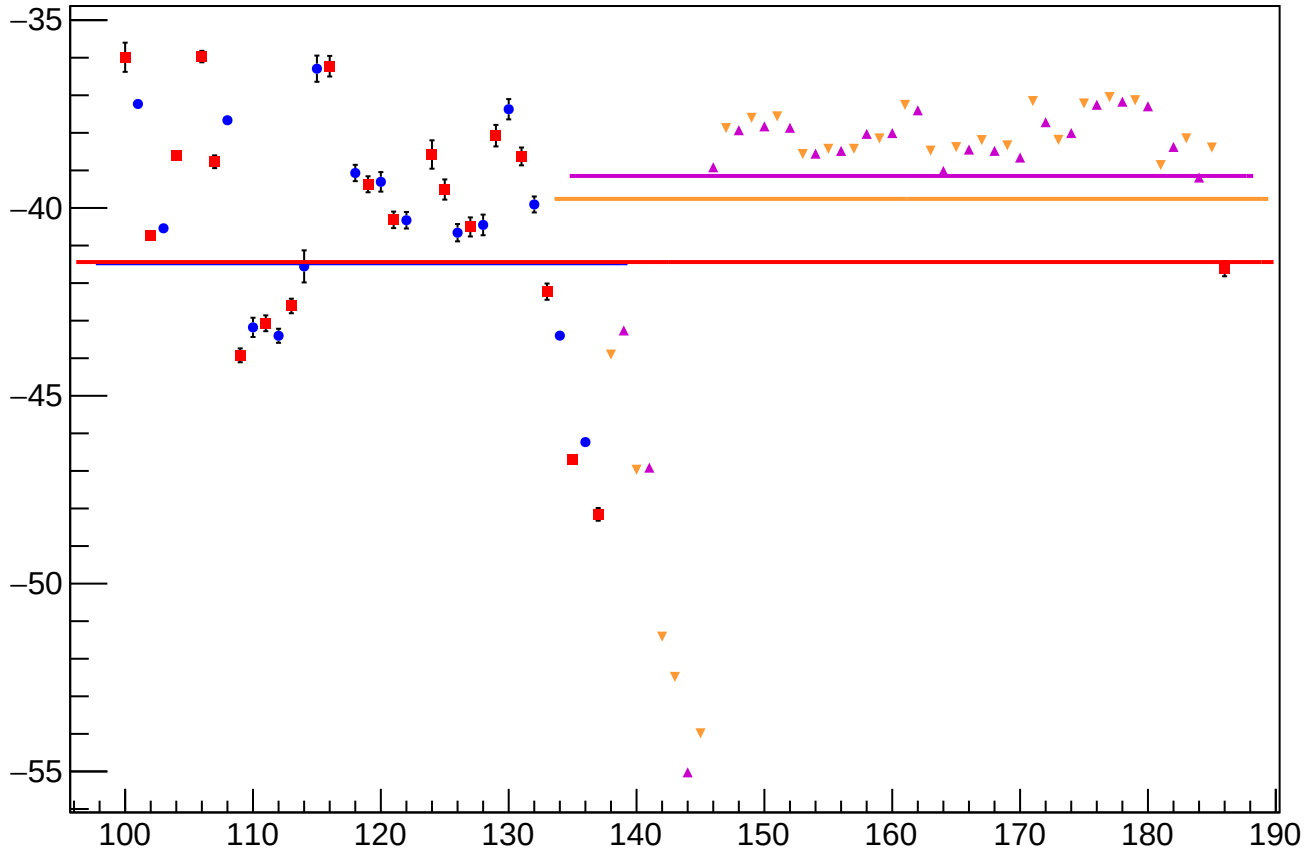
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.143+/-0.503 χ^2/NDF: 598.9/35

In: 16.576+/-0.311 χ^2/NDF:1750.9/38

Out: 15.891+/-0.304 χ^2/NDF:2301.5/44

All: 16.225+/-0.217 χ^2/NDF: 4054.8/83



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.440+/-0.039 χ^2/NDF: 8226.2/19

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

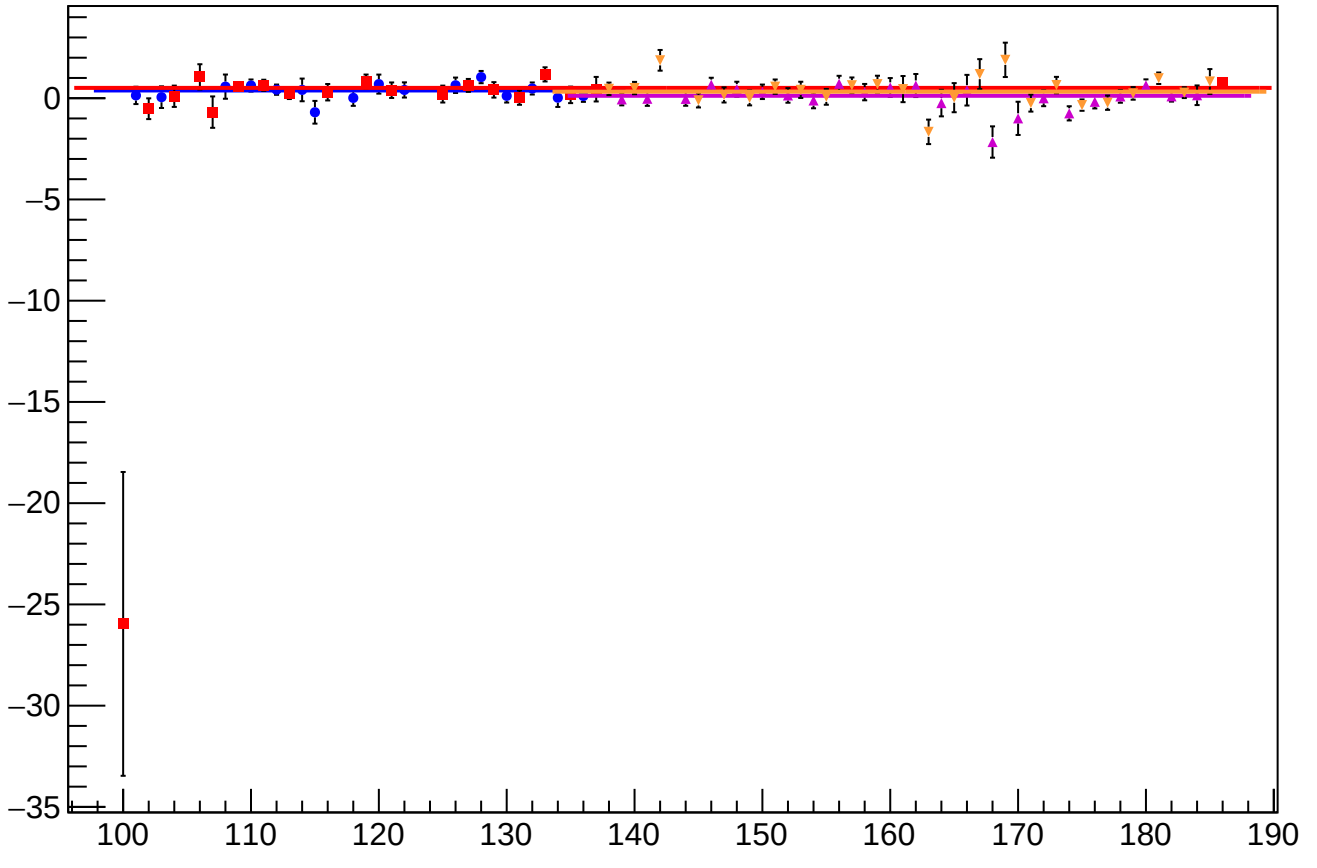
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.456+/-0.027 χ^2/NDF: 16138.5/35

In: -39.481+/-0.014 χ^2/NDF:58005.4/38

Out: -39.988+/-0.014 χ^2/NDF:91713.9/44

All: -39.737+/-0.010 χ^2/NDF: 150339.4/83



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.509+/-0.080 χ^2/NDF: 32.0/18

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

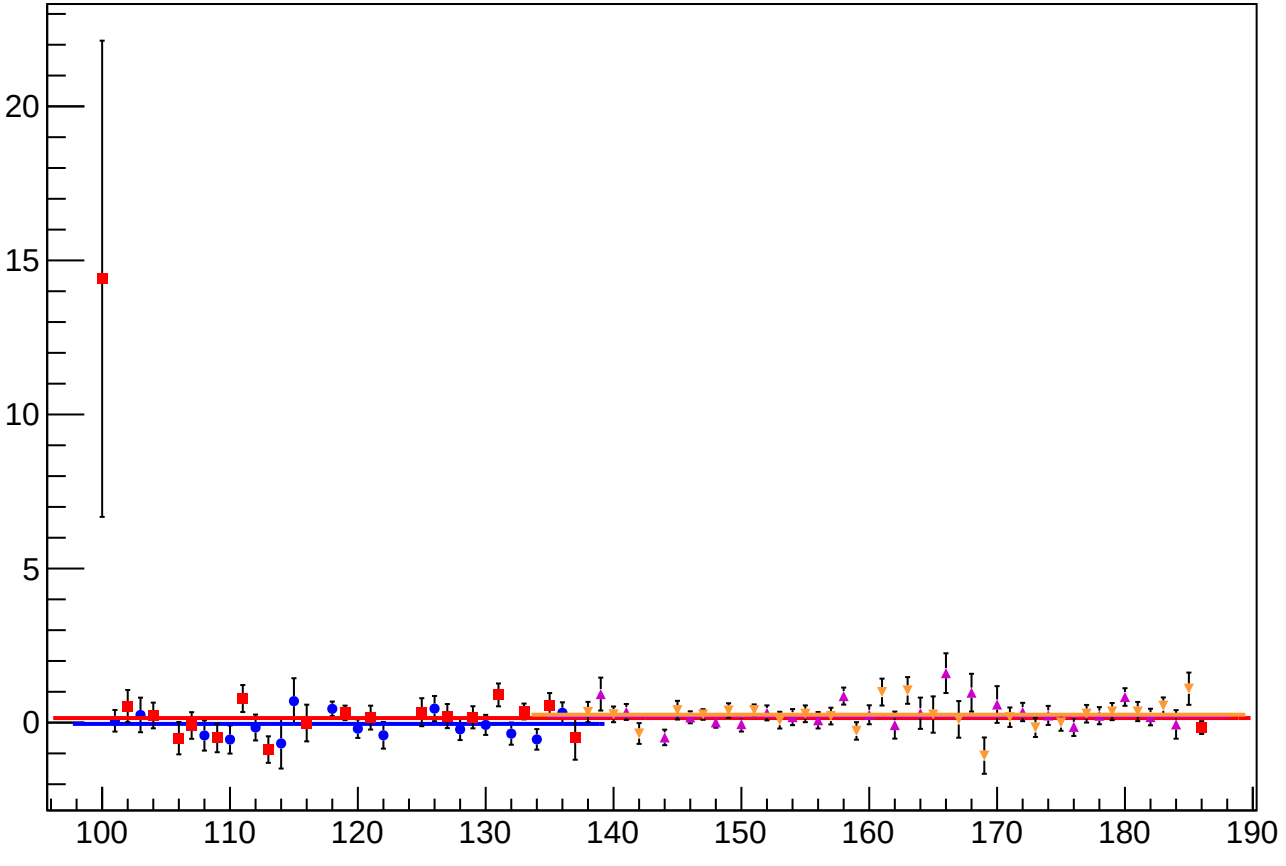
Right: 0.455+/-0.060 χ^2/NDF: 47.1/34

In: 0.232+/-0.060 χ^2/NDF:48.6/38

Out: 0.414+/-0.056 χ^2/NDF:81.7/42

All: 0.330+/-0.041 χ^2/NDF: 135.2/81

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.257+/-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

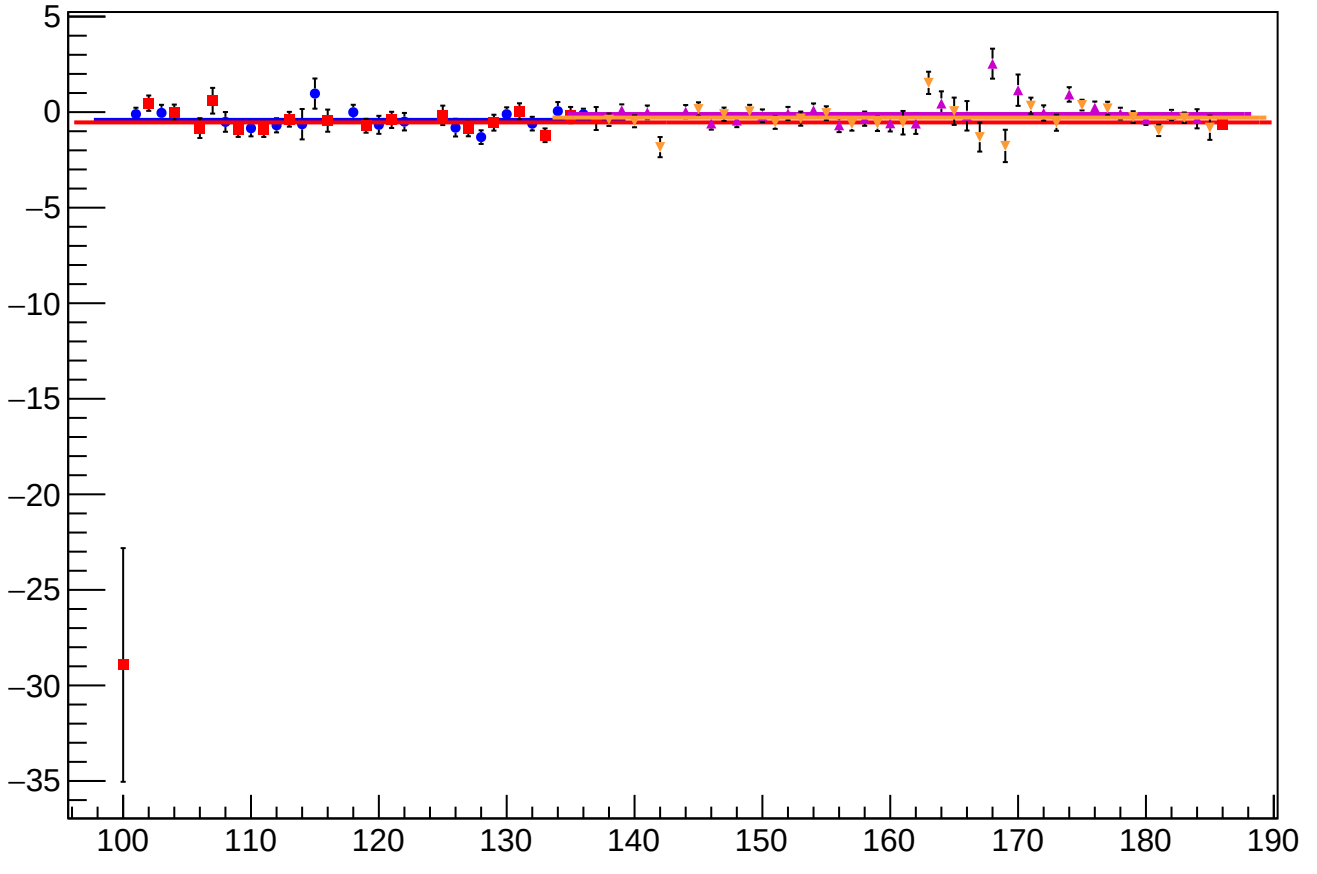
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.061+/-0.064 χ^2/NDF: 42.3/34

In: 0.134+/-0.051 χ^2/NDF:51.9/38

Out: 0.222+/-0.049 χ^2/NDF:52.7/42

All: 0.180+/-0.035 χ^2/NDF: 106.1/81



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

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

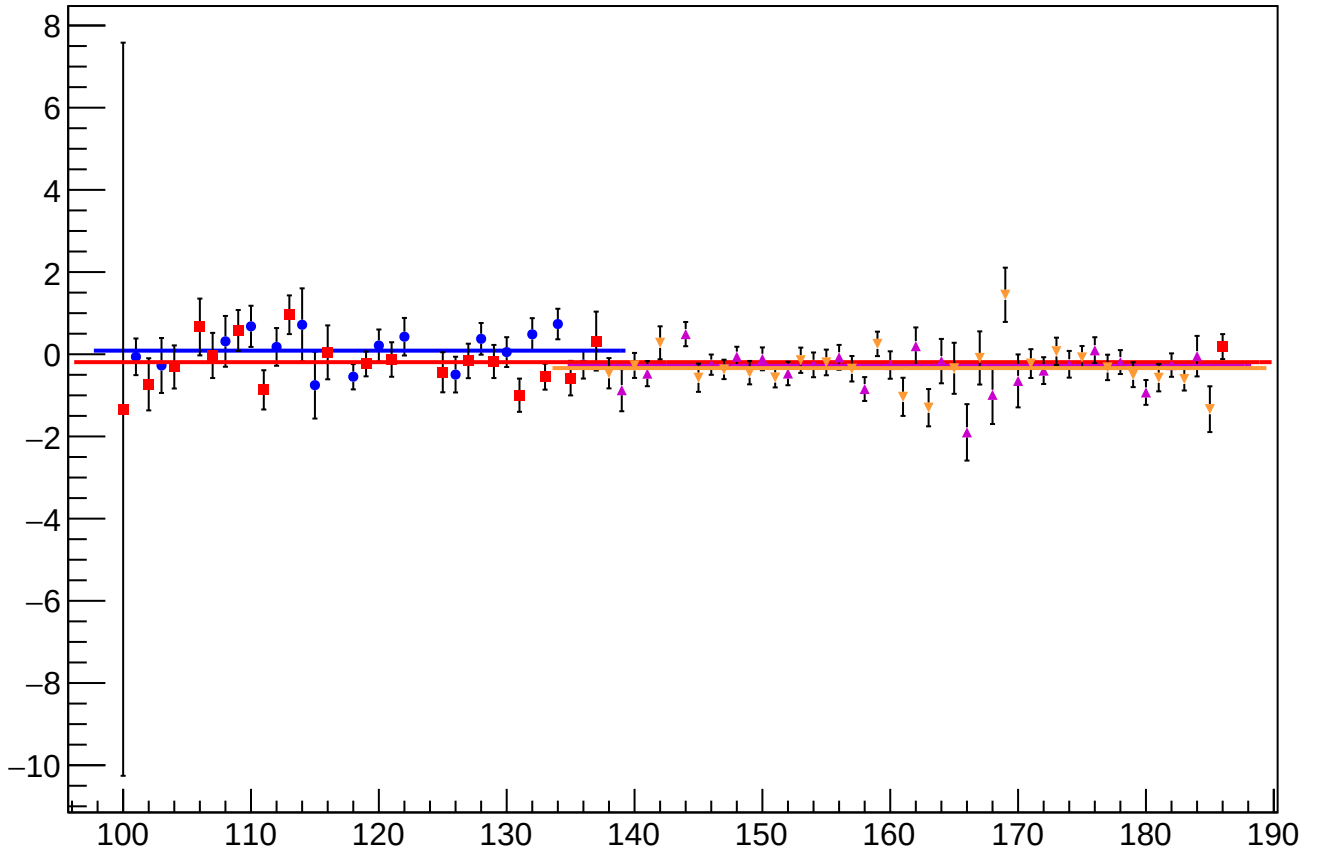
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.486+/-0.064 χ^2/NDF: 61.9/34

In: -0.212+/-0.062 χ^2/NDF:56.6/38

Out: -0.404+/-0.056 χ^2/NDF:93.1/42

All: -0.318+/-0.042 χ^2/NDF: 154.9/81



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

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

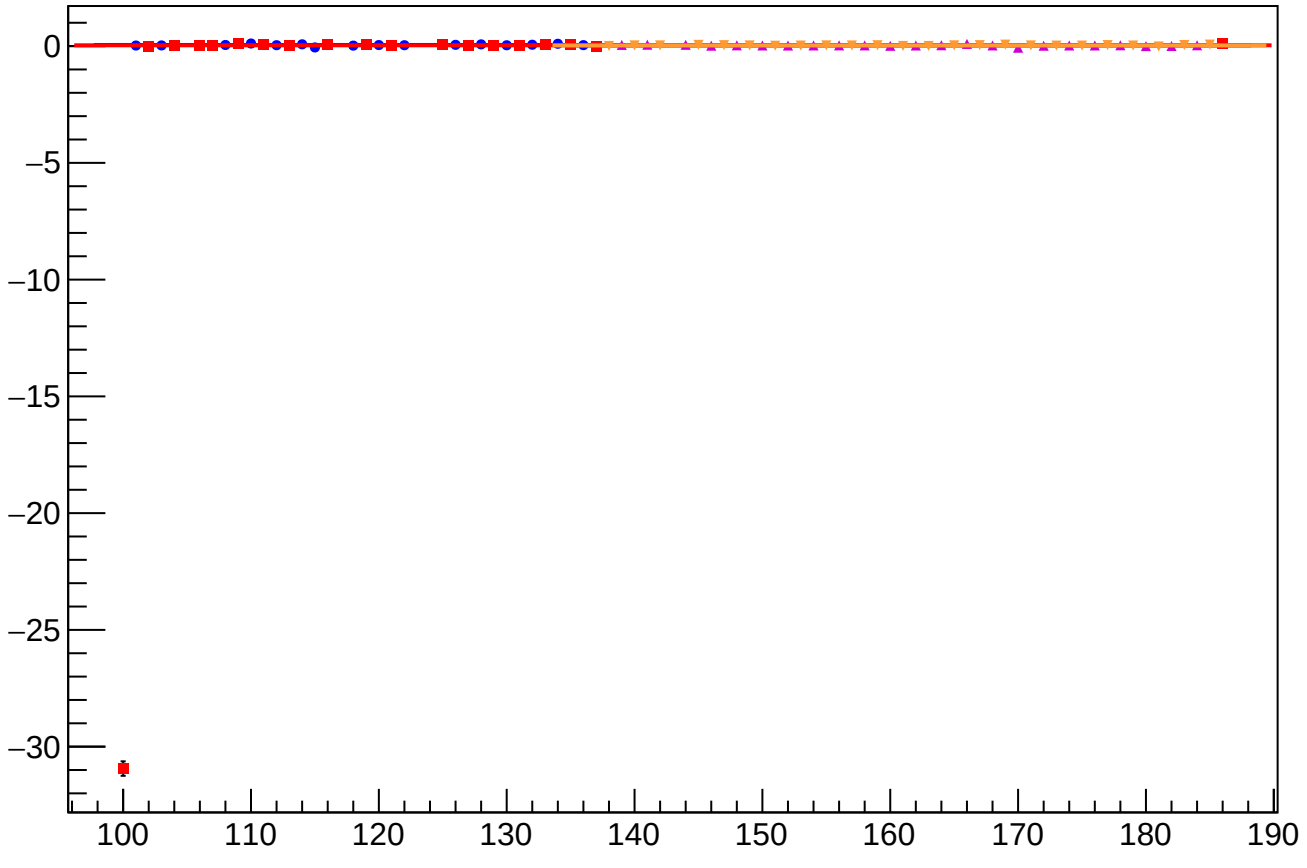
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.059+/-0.075 χ^2/NDF: 40.7/34

In: -0.175+/-0.058 χ^2/NDF:53.2/38

Out: -0.293+/-0.057 χ^2/NDF:52.9/42

All: -0.236+/-0.041 χ^2/NDF: 108.1/81



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

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

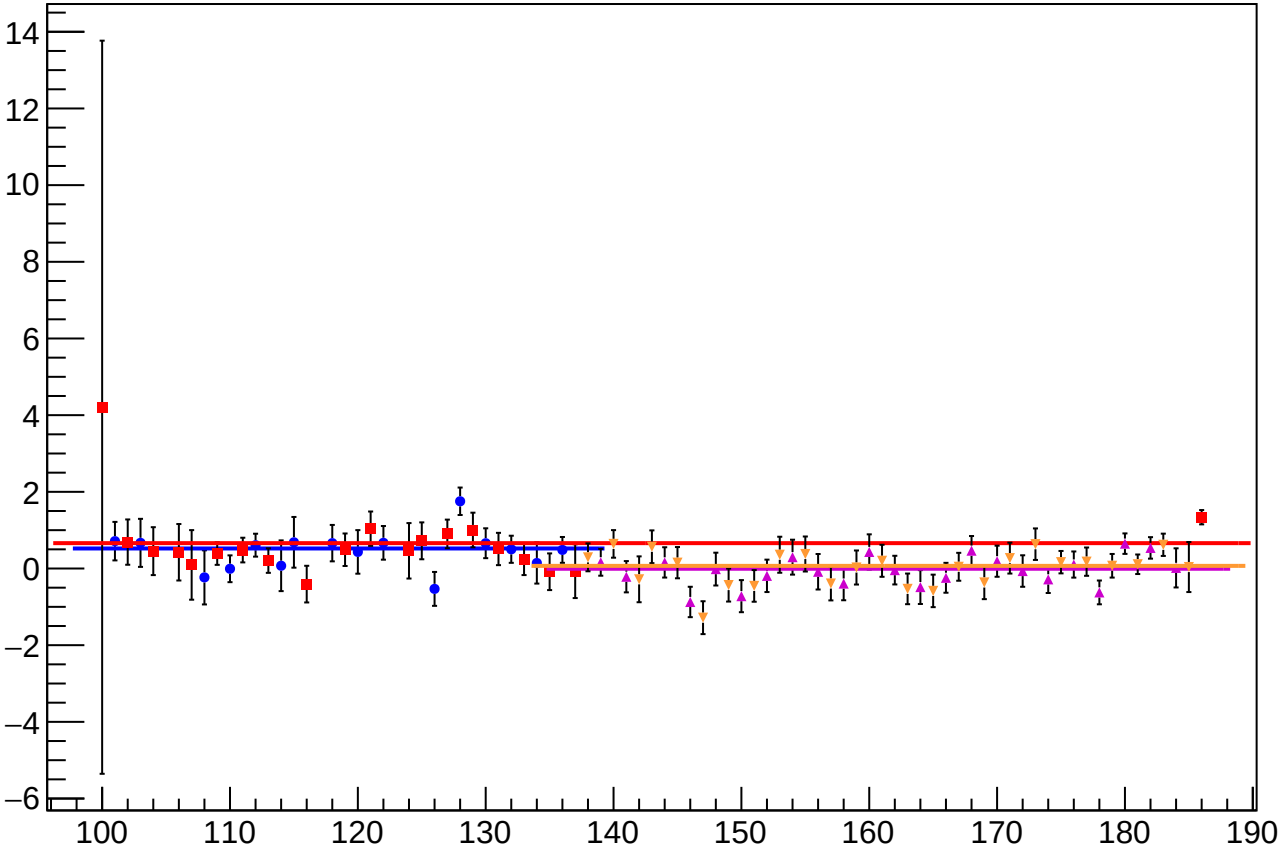
Right: 0.042+/-0.004 χ^2/NDF: 10057.7/34

In: 0.033+/-0.003 χ^2/NDF:65.6/38

Out: 0.029+/-0.003 χ^2/NDF:10064.5/42

All: 0.031+/-0.002 χ^2/NDF: 10131.1/81

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.069+/-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

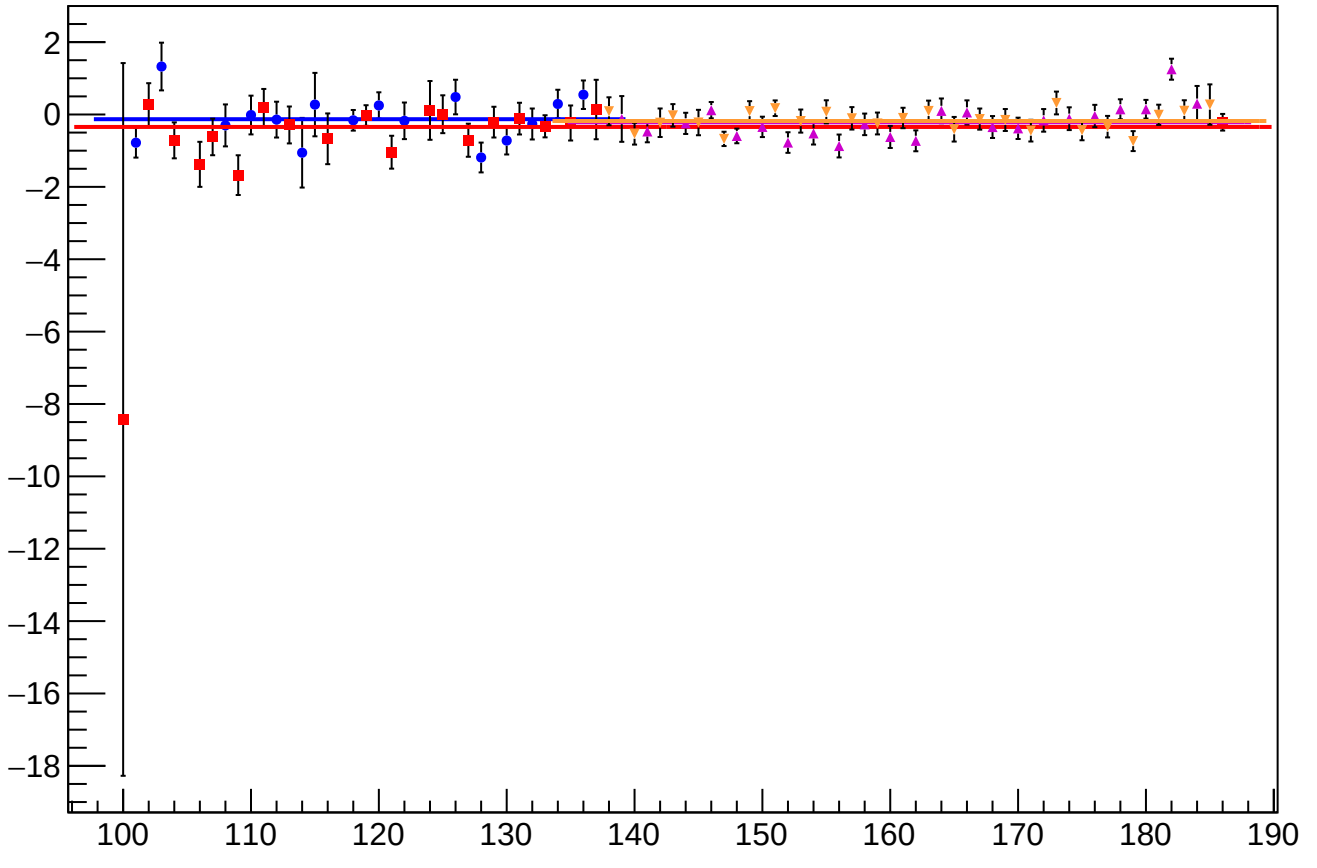
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.604+/-0.070 χ^2/NDF: 52.2/35

In: 0.178+/-0.064 χ^2/NDF:66.6/38

Out: 0.315+/-0.059 χ^2/NDF:84.3/44

All: 0.252+/-0.043 χ^2/NDF: 153.3/83



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

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

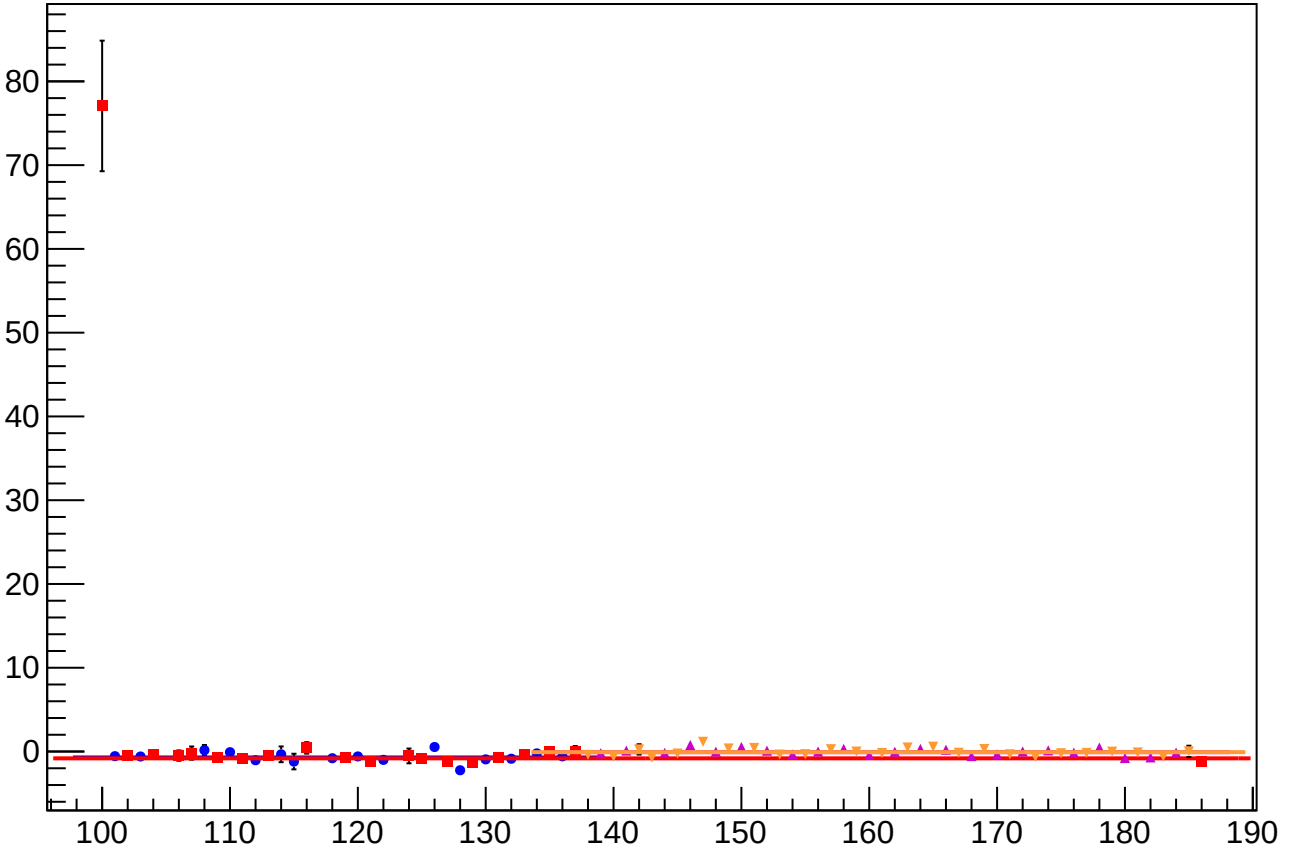
Right: -0.249+/-0.075 χ^2/NDF: 45.2/35

In: -0.196+/-0.054 χ^2/NDF:78.6/38

Out: -0.222+/-0.051 χ^2/NDF:45.3/44

All: -0.210+/-0.037 χ^2/NDF: 124.1/83

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.077+/-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

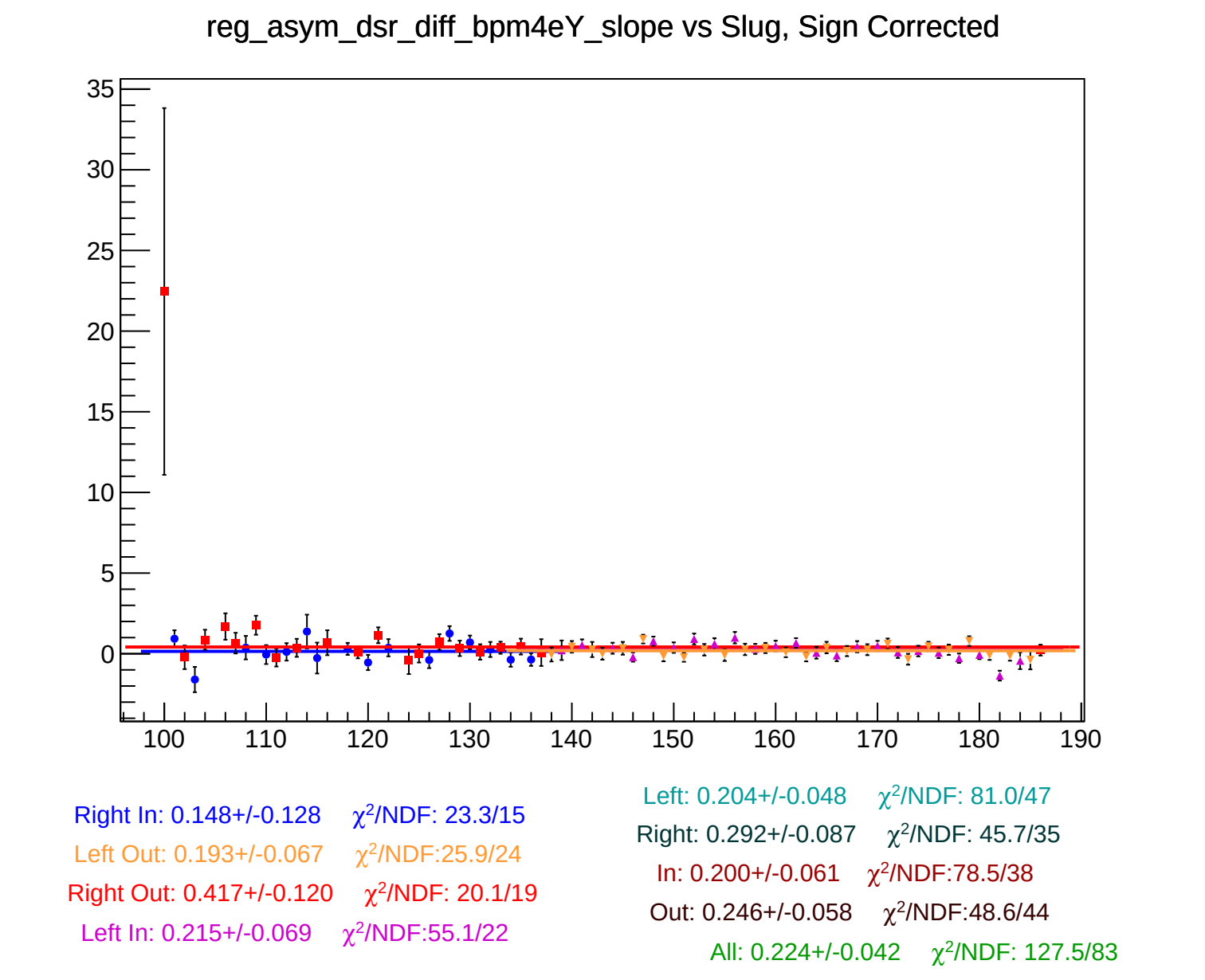
Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

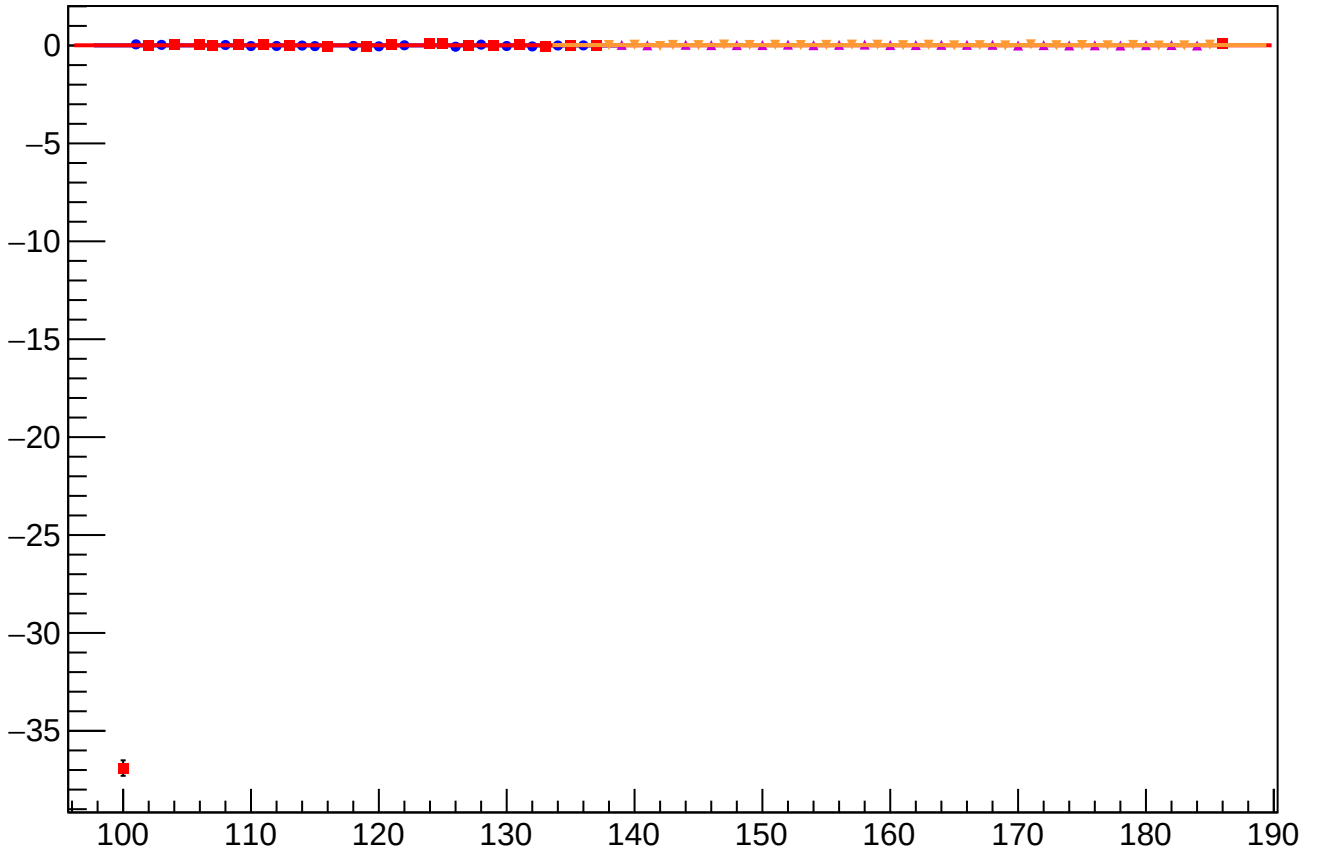
Right: -0.777+/-0.075 χ^2/NDF: 144.3/35

In: -0.263+/-0.066 χ^2/NDF:72.6/38

Out: -0.371+/-0.060 χ^2/NDF:185.8/44

All: -0.323+/-0.044 χ^2/NDF: 259.9/83


reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.148+/-0.128 χ²/NDF: 23.3/15
Left Out: 0.193+/-0.067 χ²/NDF:25.9/24
Right Out: 0.417+/-0.120 χ²/NDF: 20.1/19
Left In: 0.215+/-0.069 χ²/NDF:55.1/22
Left: 0.204+/-0.048 χ²/NDF: 81.0/47
Right: 0.292+/-0.087 χ²/NDF: 45.7/35
In: 0.200+/-0.061 χ²/NDF:78.5/38
Out: 0.246+/-0.058 χ²/NDF:48.6/44
All: 0.224+/-0.042 χ²/NDF: 127.5/83



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

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

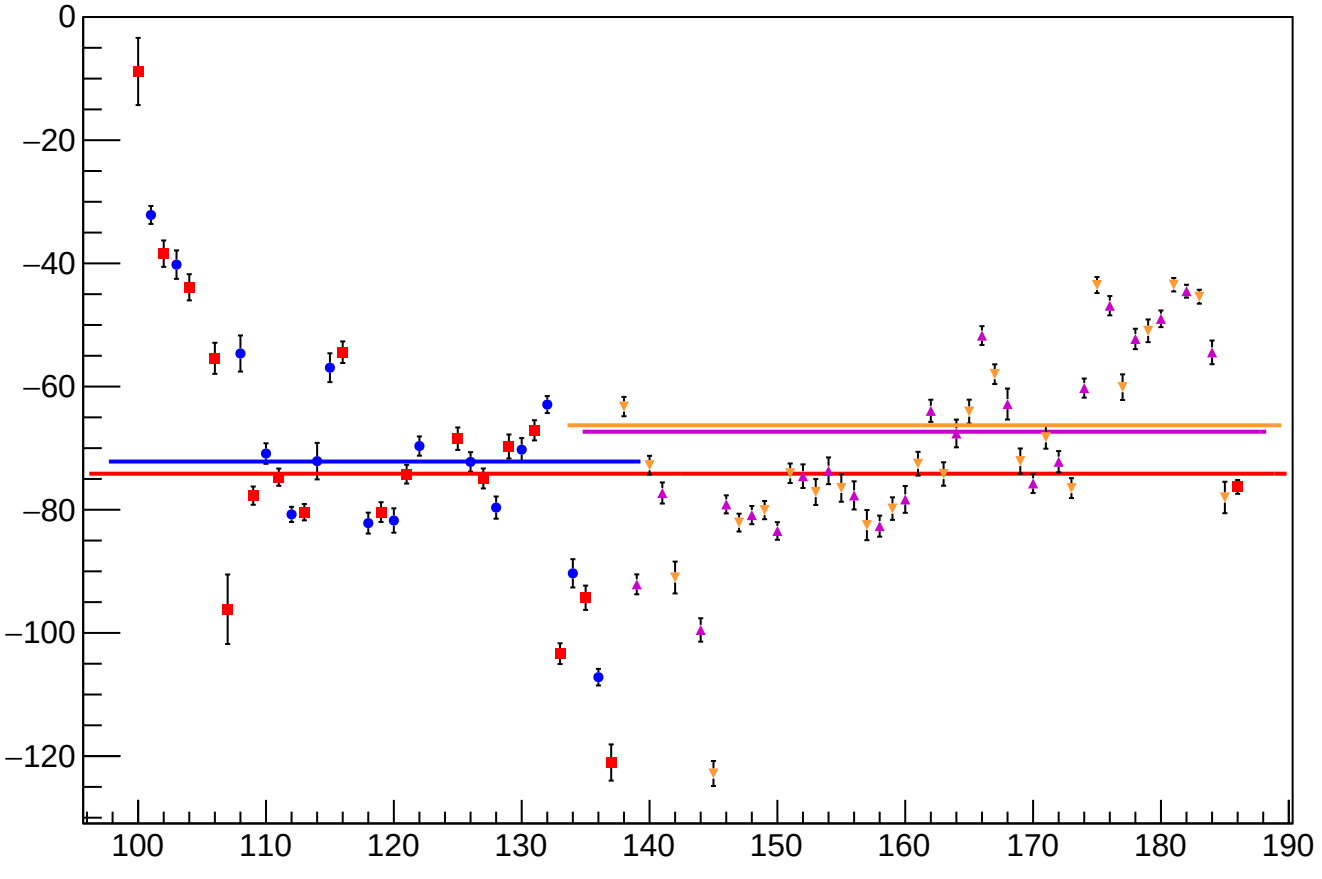
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.009+/-0.005 χ^2/NDF: 8787.6/35

In: 0.022+/-0.003 χ^2/NDF:40.7/38

Out: 0.022+/-0.003 χ^2/NDF:8802.9/44

All: 0.022+/-0.002 χ^2/NDF: 8843.6/83



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

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

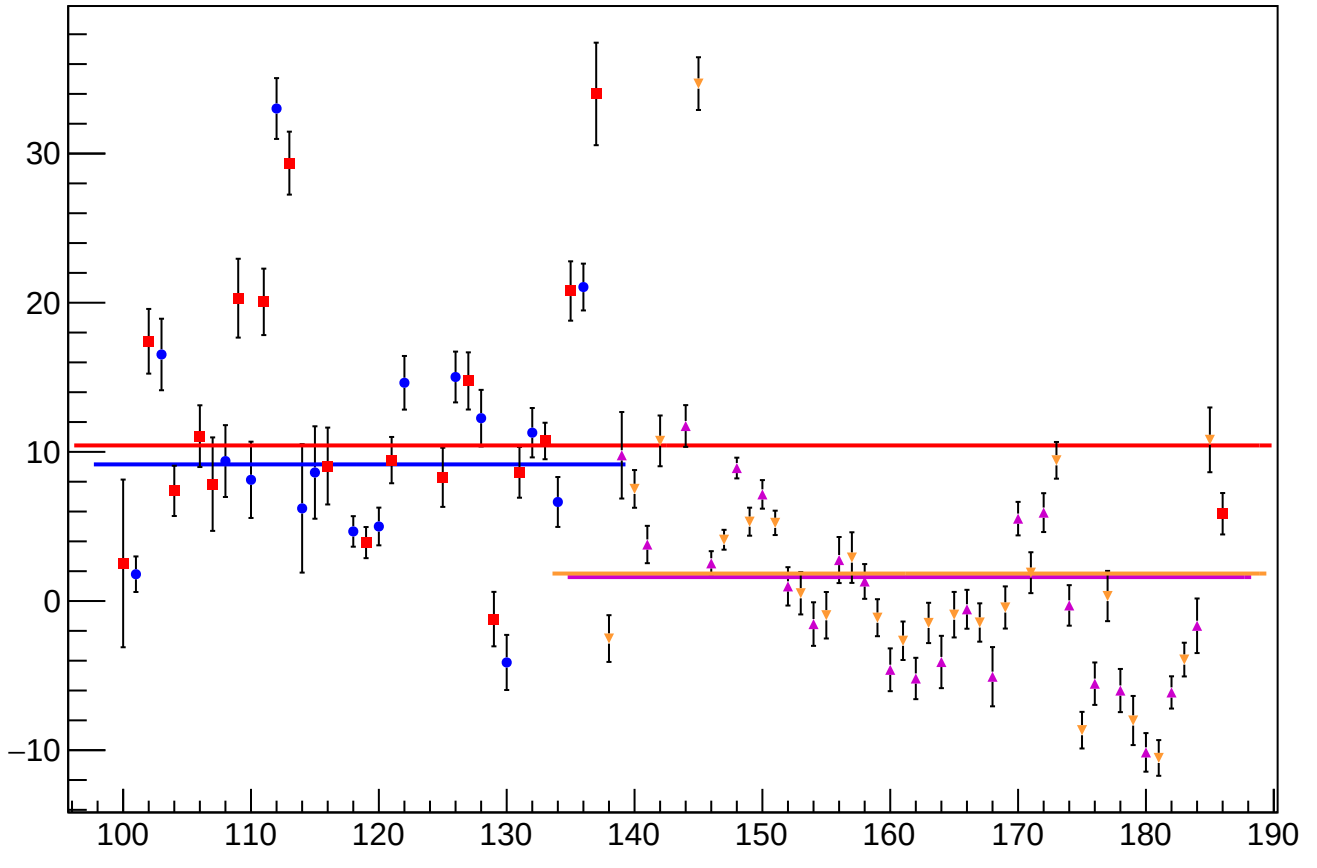
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -73.231+/-0.294 χ^2/NDF: 3509.0/34

In: -69.218+/-0.270 χ^2/NDF:4115.3/38

Out: -69.608+/-0.261 χ^2/NDF:4332.9/42

All: -69.419+/-0.188 χ^2/NDF: 8449.3/81



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

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

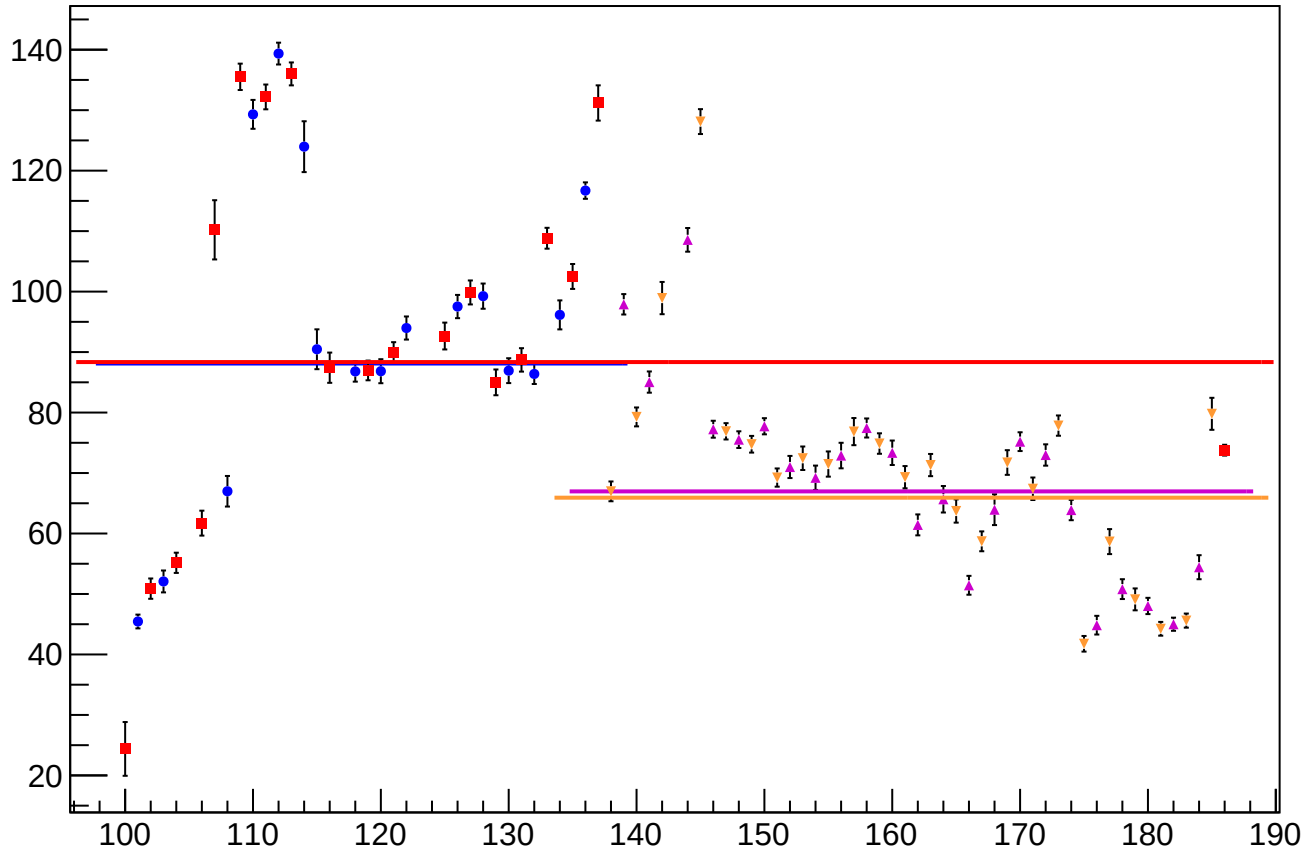
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 9.805+/-0.299 χ^2/NDF: 658.8/34

In: 3.644+/-0.221 χ^2/NDF:1079.3/38

Out: 4.152+/-0.218 χ^2/NDF:1390.1/42

All: 3.902+/-0.155 χ^2/NDF: 2472.1/81



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

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

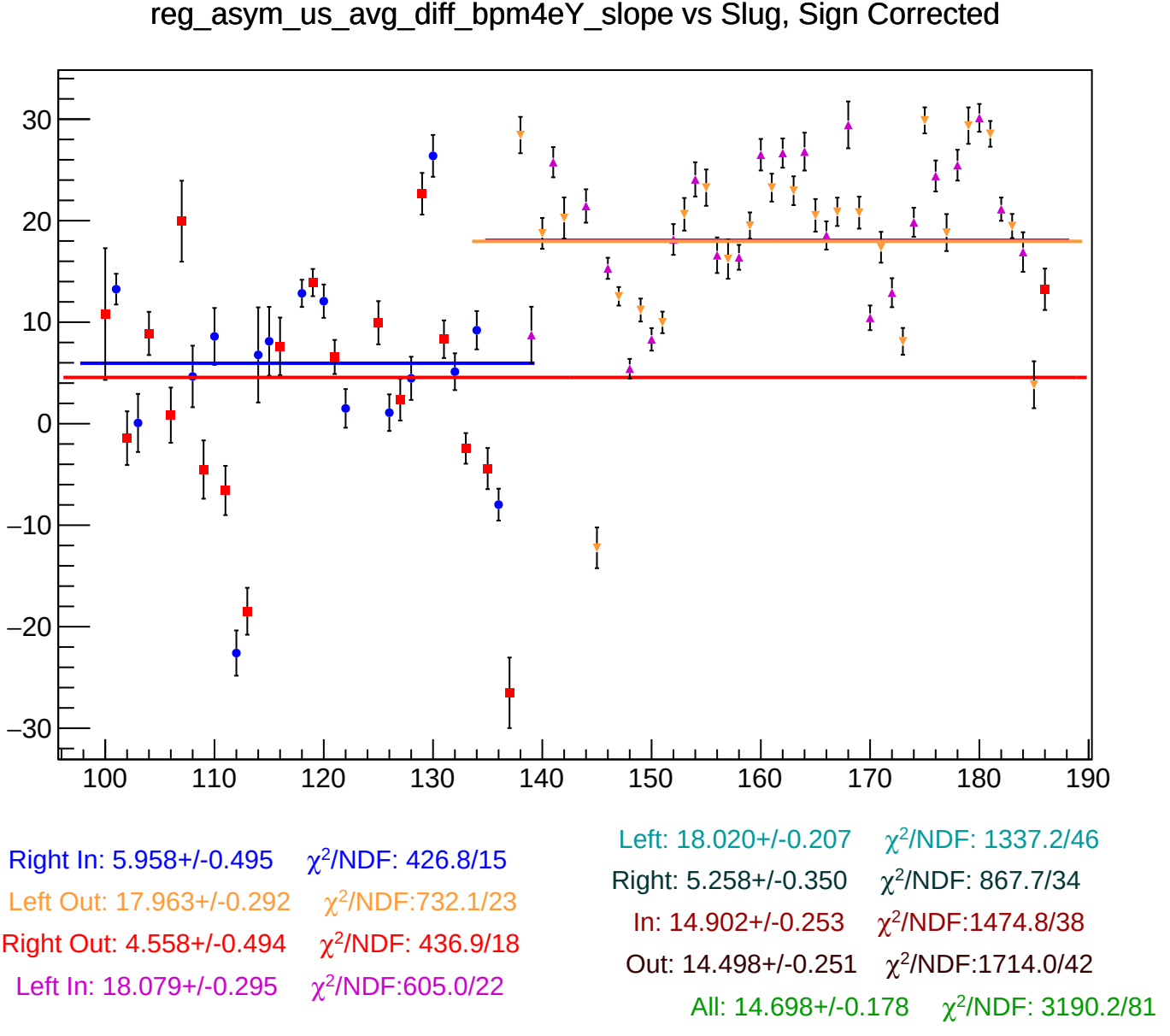
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 88.241+/-0.315 χ^2/NDF: 7115.2/34

In: 74.291+/-0.276 χ^2/NDF:7113.7/38

Out: 74.687+/-0.266 χ^2/NDF:7804.2/42

All: 74.497+/-0.191 χ^2/NDF: 14918.9/81


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
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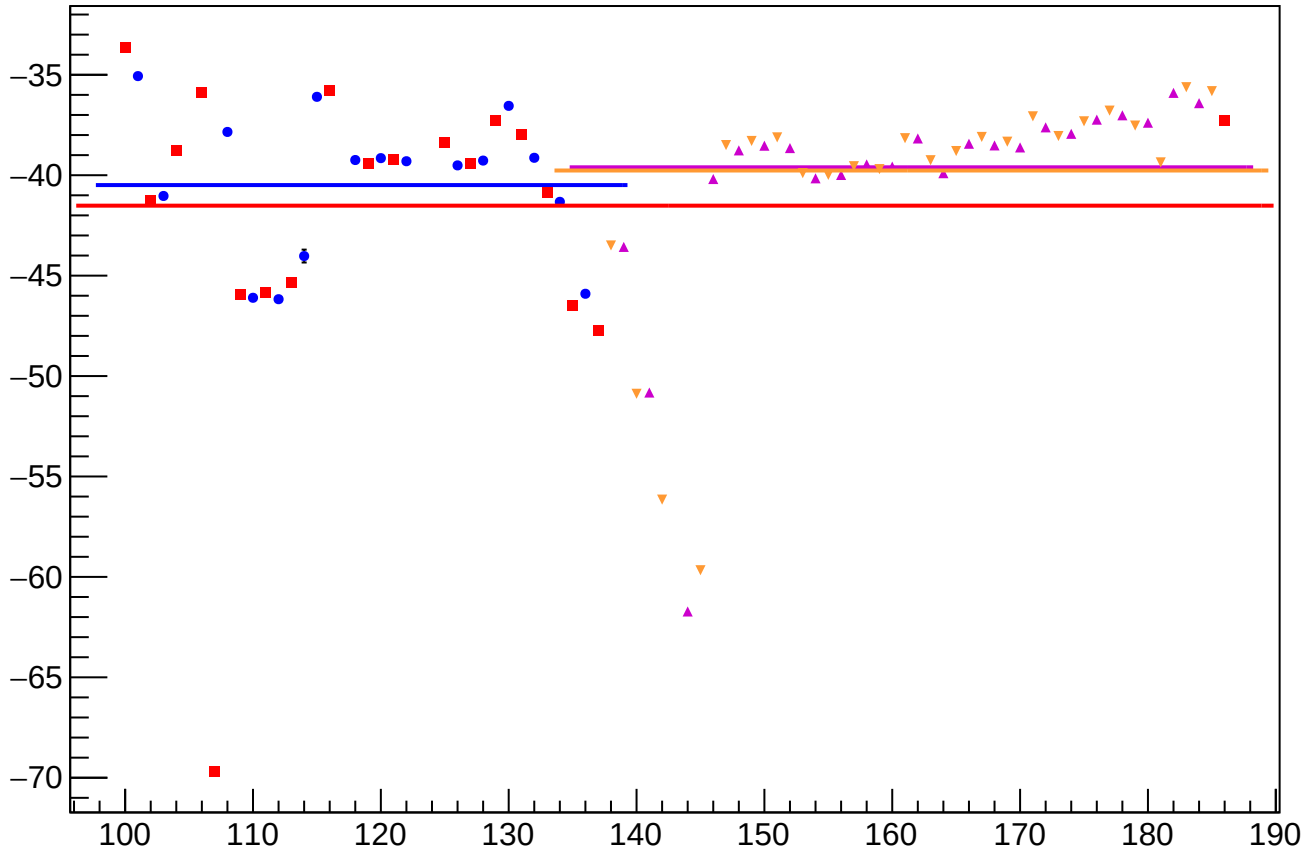
170
180
190
Right In: 5.958+/-0.495 χ²/NDF: 426.8/15
Left Out: 17.963+/-0.292 χ²/NDF:732.1/23
Right Out: 4.558+/-0.494 χ²/NDF: 436.9/18
Left In: 18.079+/-0.295 χ²/NDF:605.0/22
Left: 18.020+/-0.207 χ²/NDF: 1337.2/46
Right: 5.258+/-0.350 χ²/NDF: 867.7/34
In: 14.902+/-0.253 χ²/NDF:1474.8/38
Out: 14.498+/-0.251 χ²/NDF:1714.0/42
All: 14.698+/-0.178 χ²/NDF: 3190.2/81



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

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

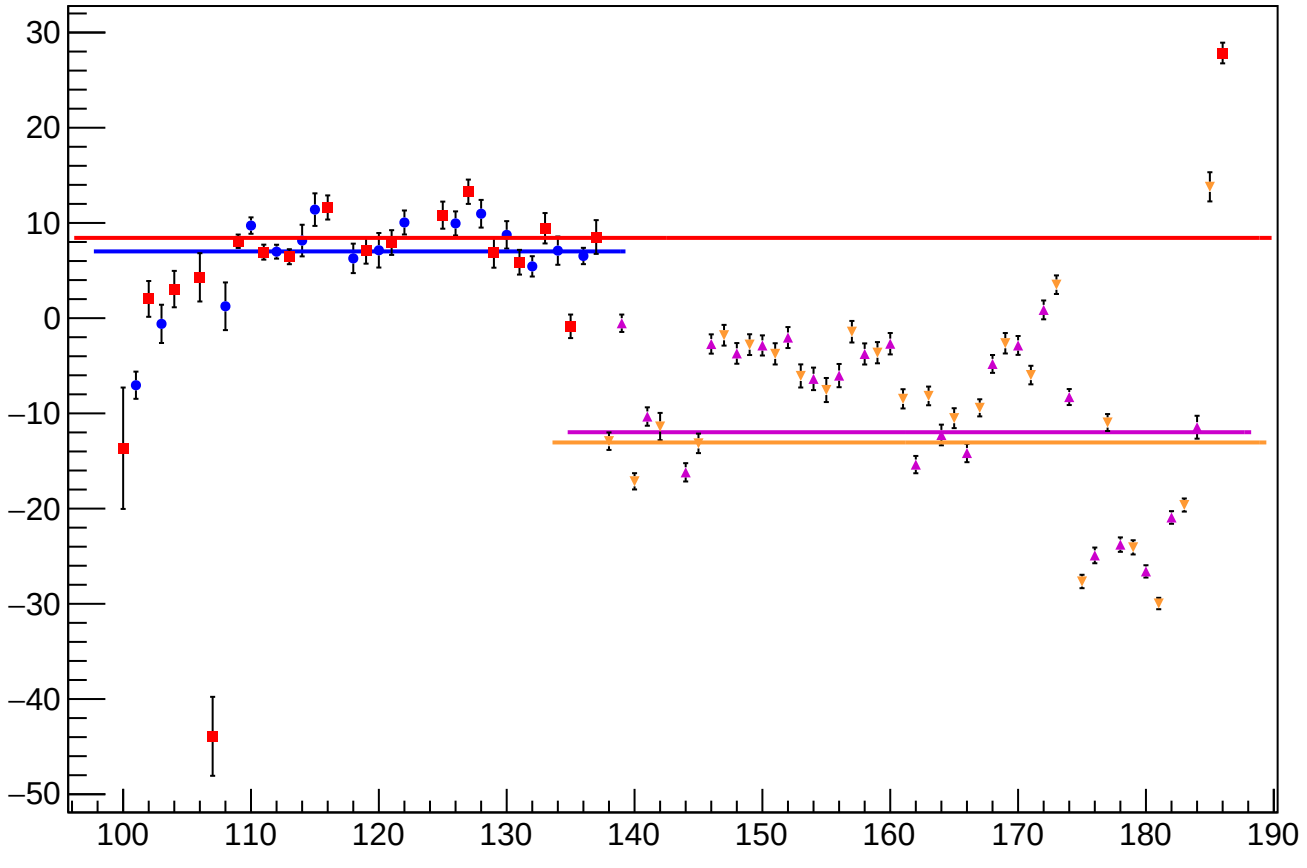
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.997+/-0.020 χ^2/NDF: 56482.6/34

In: -39.768+/-0.012 χ^2/NDF:125562.4/38

Out: -40.081+/-0.012 χ^2/NDF:170658.0/42

All: -39.923+/-0.009 χ^2/NDF: 296554.5/81


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
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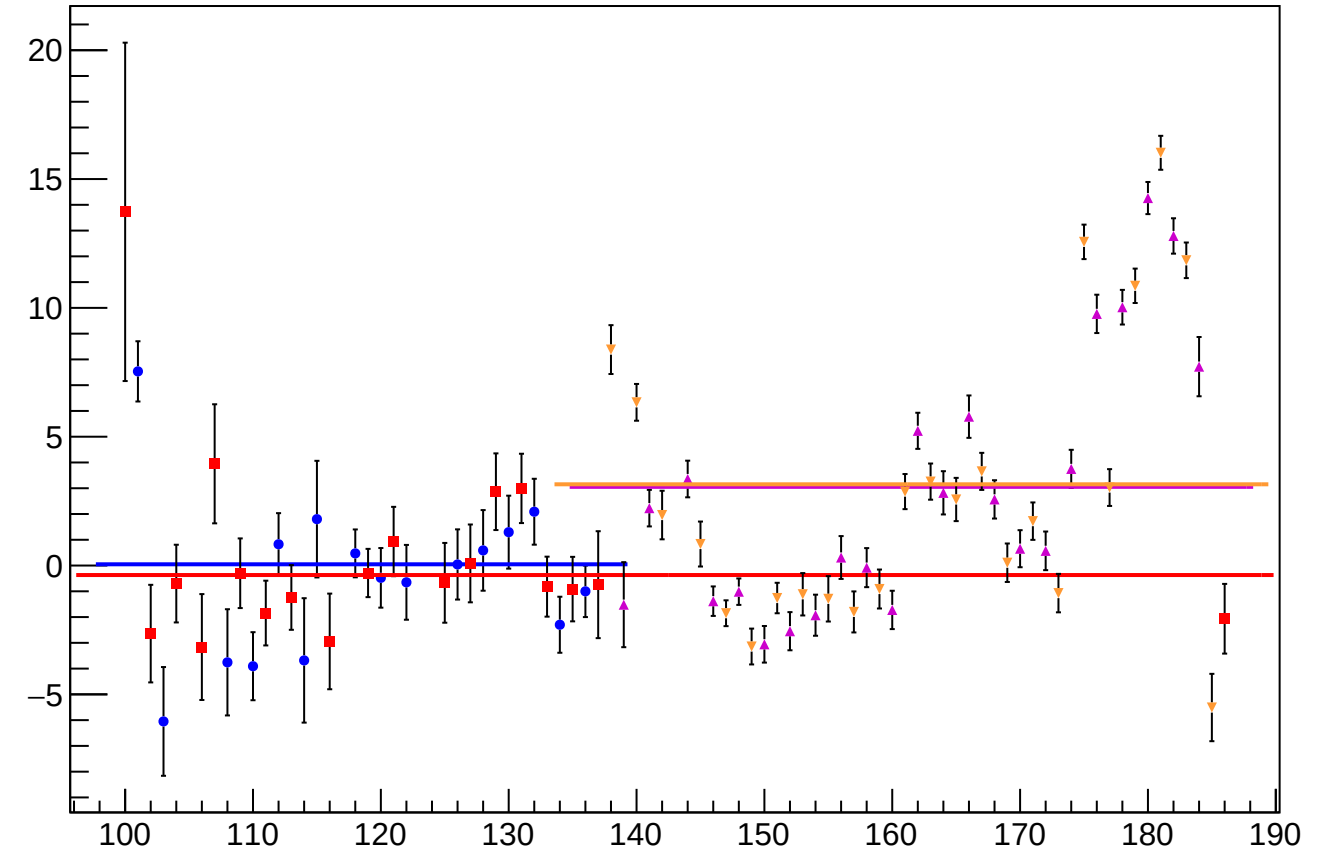
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
190
Right In: 7.011+/-0.309 χ²/NDF: 156.3/15
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 8.430+/-0.288 χ²/NDF: 609.5/18
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 7.772+/-0.211 χ²/NDF: 777.1/34
In: -6.557+/-0.165 χ²/NDF:5026.9/38
Out: -6.392+/-0.160 χ²/NDF:7329.2/42
All: -6.472+/-0.115 χ²/NDF: 12356.5/81



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

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

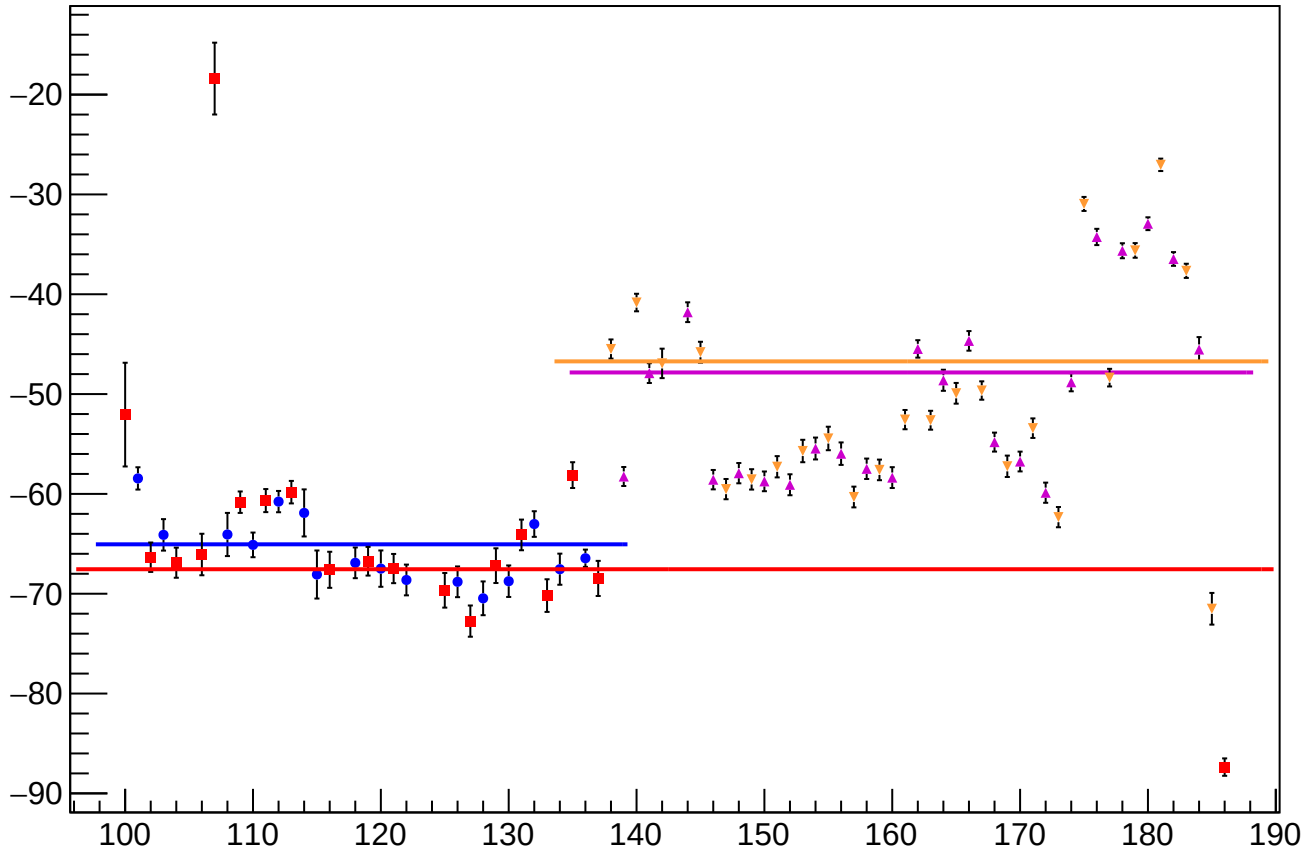
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.159+/-0.235 χ^2/NDF: 105.0/34

In: 2.532+/-0.138 χ^2/NDF:1288.0/38

Out: 2.567+/-0.136 χ^2/NDF:1507.1/42

All: 2.550+/-0.097 χ^2/NDF: 2795.1/81



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

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

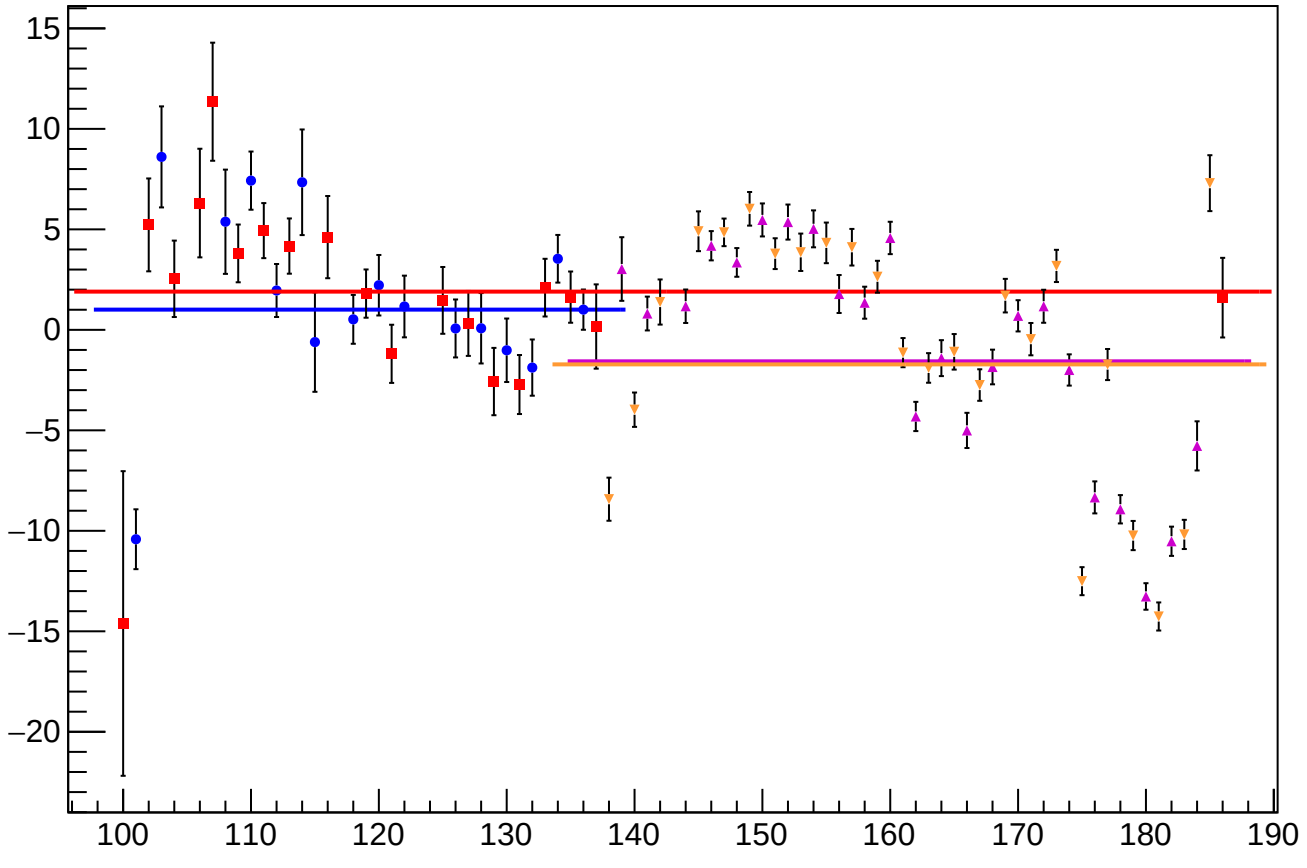
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -66.374+/-0.243 χ^2/NDF: 1028.7/34

In: -51.807+/-0.170 χ^2/NDF:4470.0/38

Out: -51.899+/-0.166 χ^2/NDF:7292.4/42

All: -51.854+/-0.119 χ^2/NDF: 11762.5/81



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.902+/-0.382 χ^2/NDF: 54.5/18

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

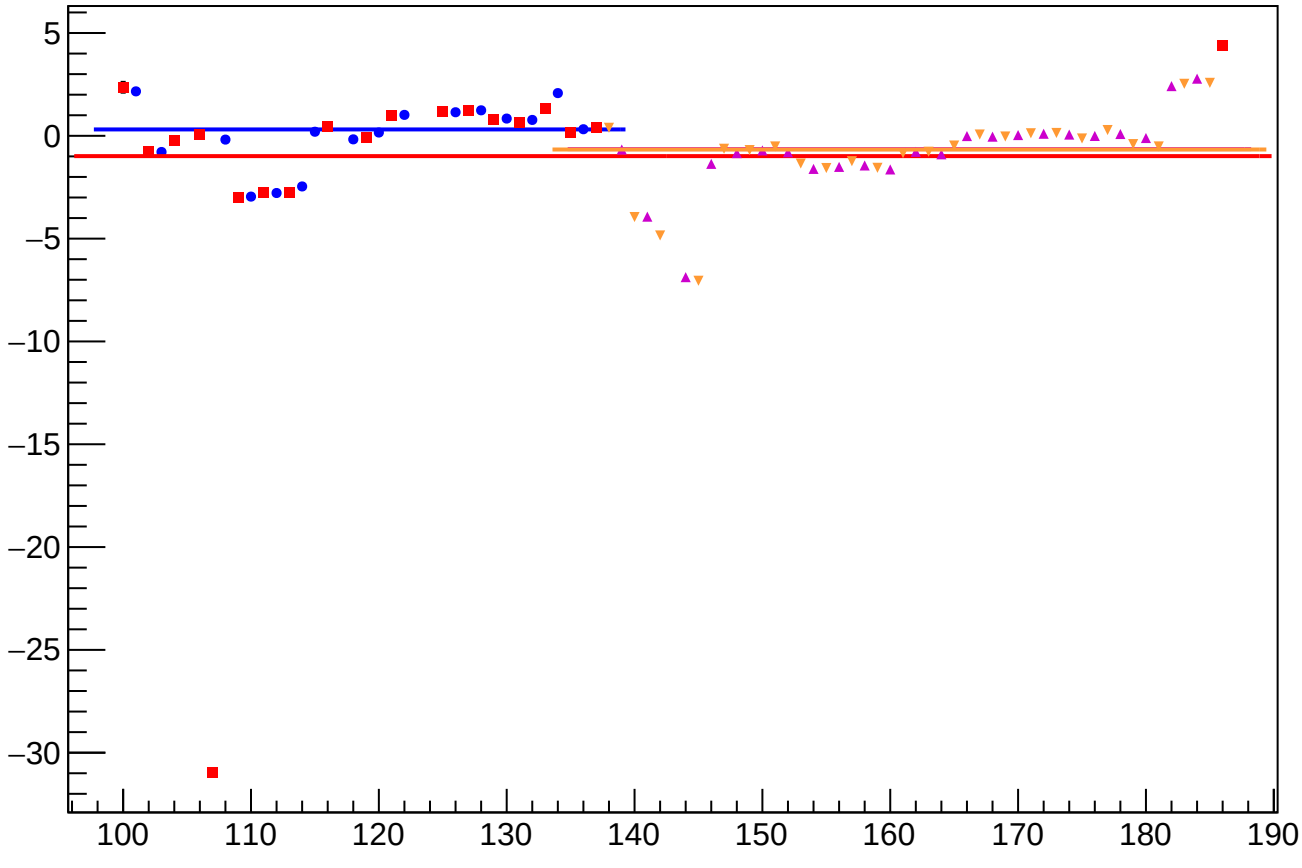
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 1.446+/-0.268 χ^2/NDF: 166.5/34

In: -1.126+/-0.155 χ^2/NDF:1265.9/38

Out: -1.133+/-0.154 χ^2/NDF:1535.8/42

All: -1.130+/-0.109 χ^2/NDF: 2801.6/81



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

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

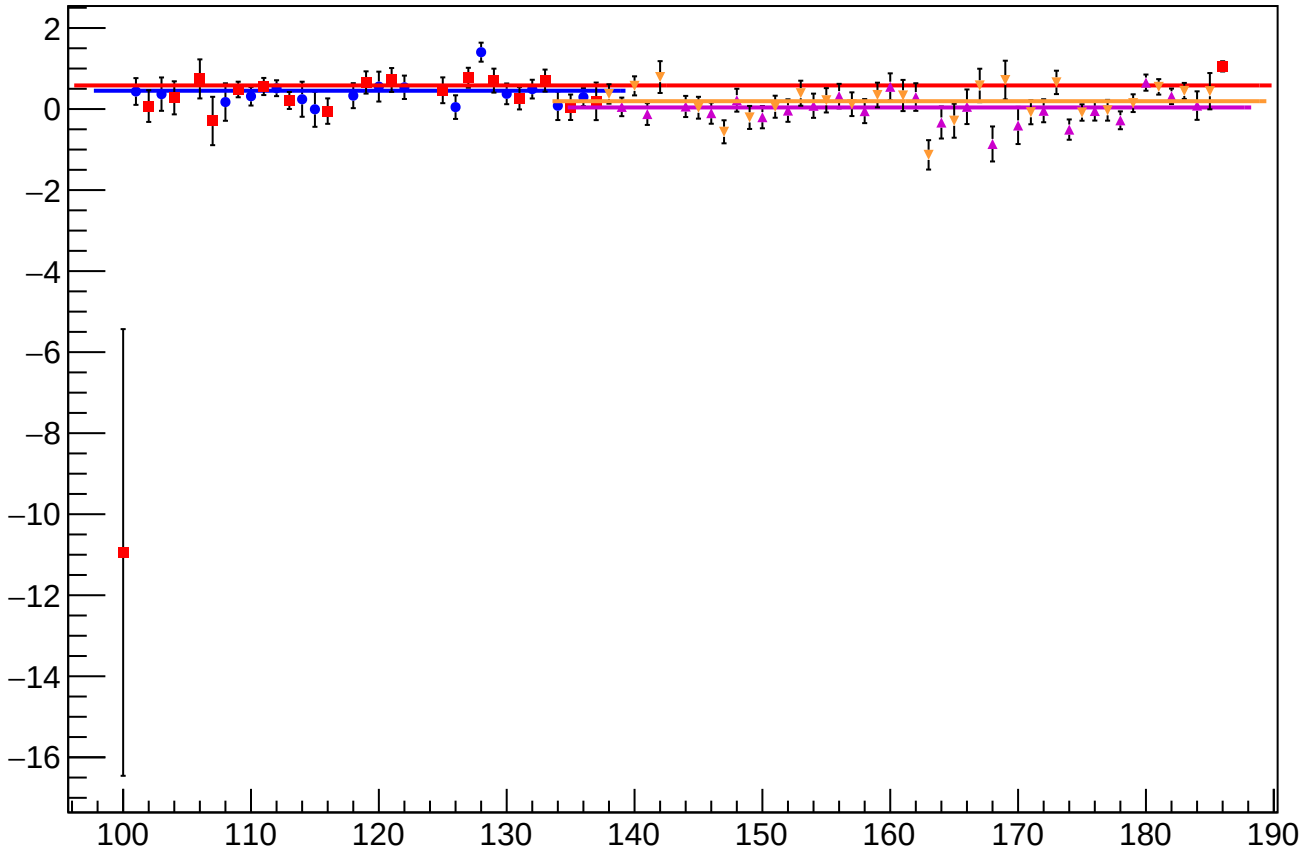
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: -0.312+/-0.015 χ^2/NDF: 54542.3/34

In: -0.537+/-0.007 χ^2/NDF:52245.4/38

Out: -0.699+/-0.007 χ^2/NDF:103342.4/42

All: -0.618+/-0.005 χ^2/NDF: 155847.7/81



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

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

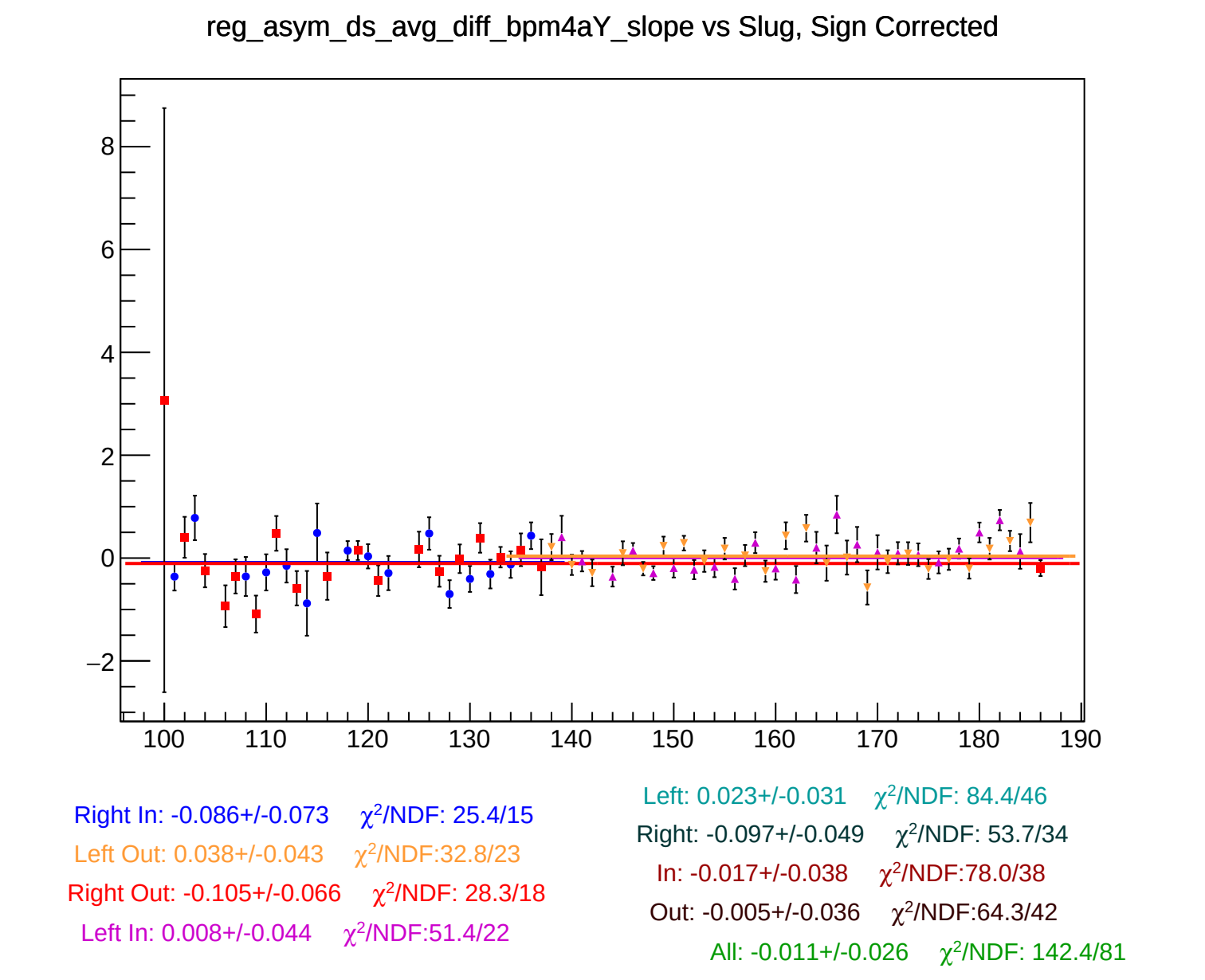
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

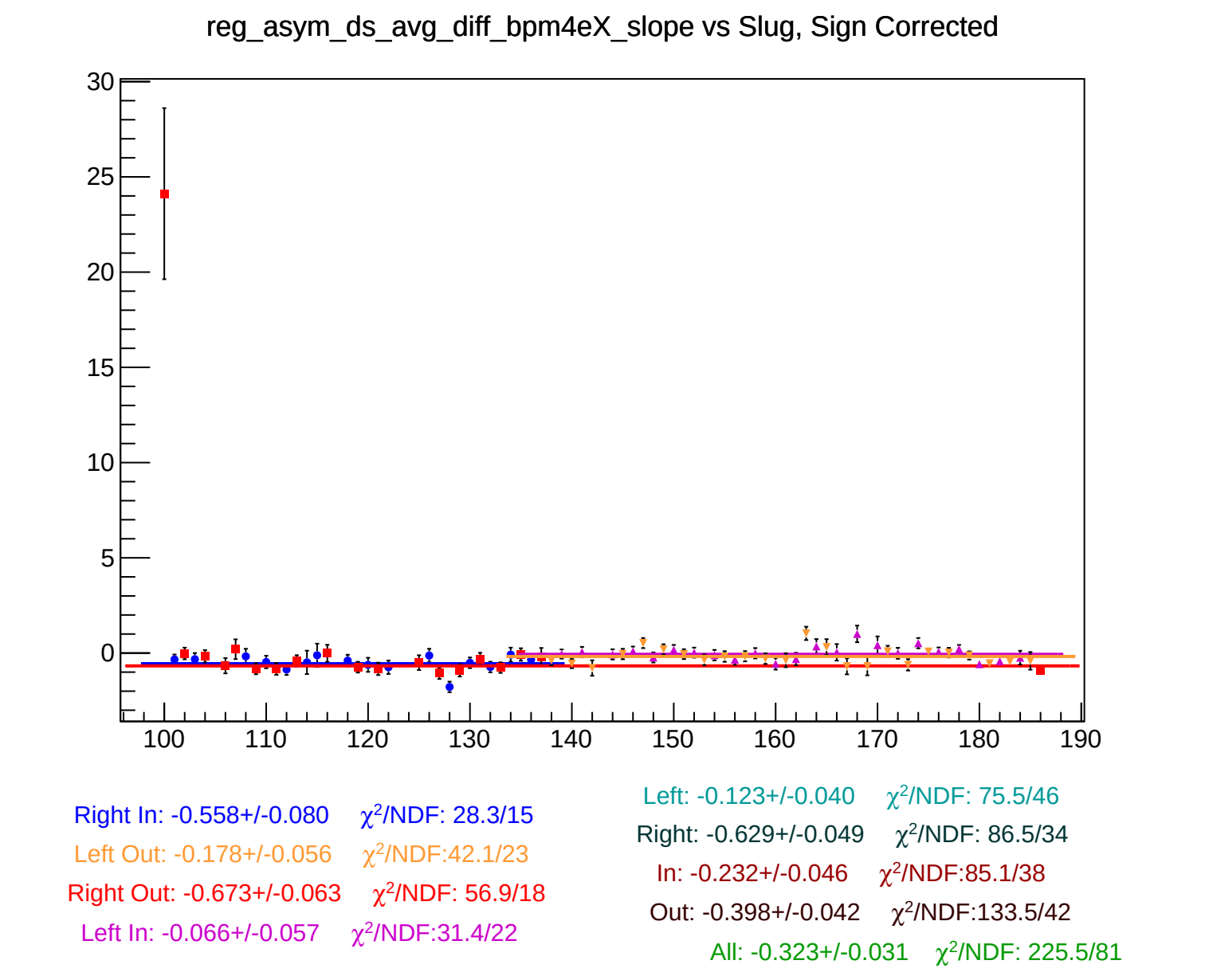
Right: 0.527+/-0.046 χ^2/NDF: 61.2/34

In: 0.203+/-0.045 χ^2/NDF:73.5/38

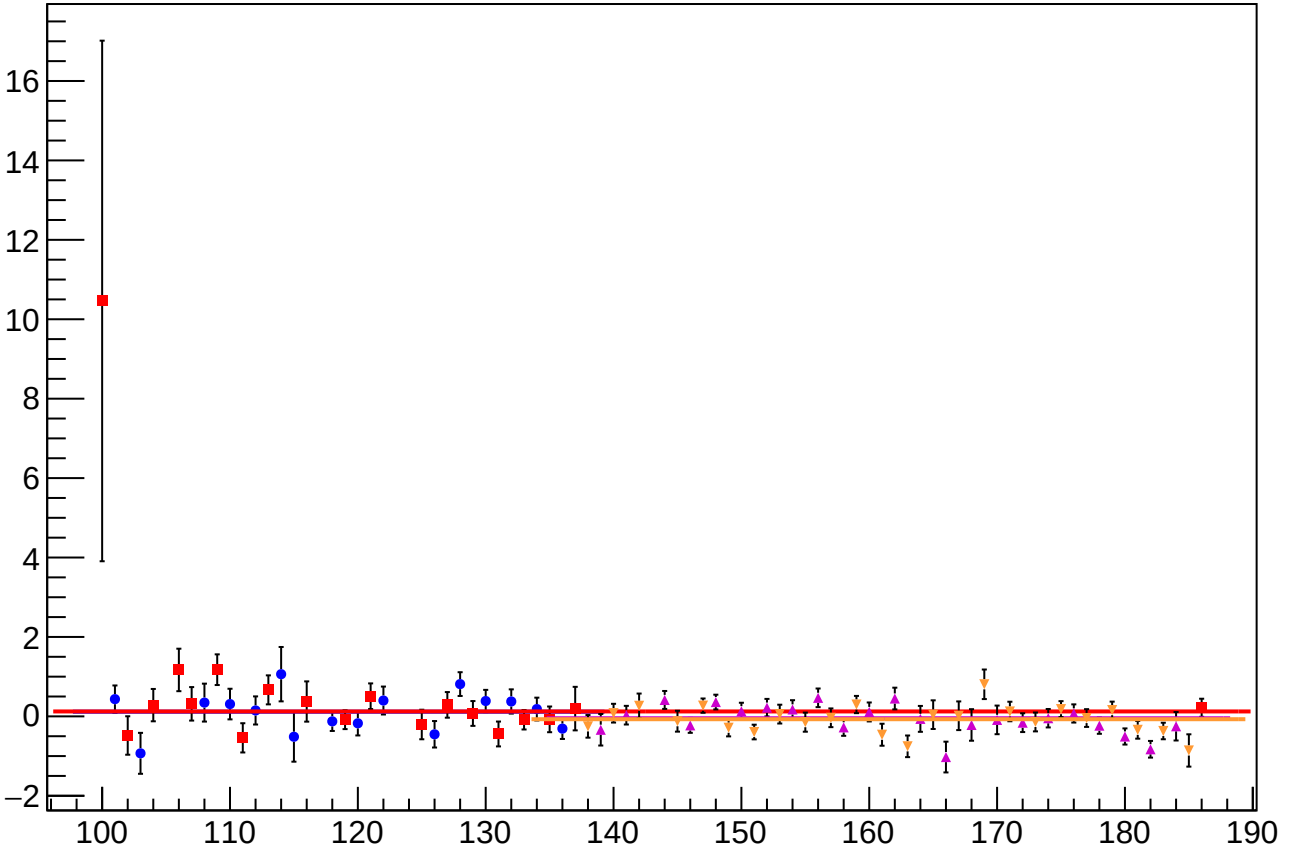
Out: 0.374+/-0.042 χ^2/NDF:102.6/42

All: 0.295+/-0.030 χ^2/NDF: 184.0/81


reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.086+/-0.073 χ²/NDF: 25.4/15
Left Out: 0.038+/-0.043 χ²/NDF:32.8/23
Right Out: -0.105+/-0.066 χ²/NDF: 28.3/18
Left In: 0.008+/-0.044 χ²/NDF:51.4/22
Left: 0.023+/-0.031 χ²/NDF: 84.4/46
Right: -0.097+/-0.049 χ²/NDF: 53.7/34
In: -0.017+/-0.038 χ²/NDF:78.0/38
Out: -0.005+/-0.036 χ²/NDF:64.3/42
All: -0.011+/-0.026 χ²/NDF: 142.4/81


reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.558+/-0.080 χ2/NDF: 28.3/15
Left Out: -0.178+/-0.056 χ2/NDF:42.1/23
Right Out: -0.673+/-0.063 χ2/NDF: 56.9/18
Left In: -0.066+/-0.057 χ2/NDF:31.4/22
Left: -0.123+/-0.040 χ2/NDF: 75.5/46
Right: -0.629+/-0.049 χ2/NDF: 86.5/34
In: -0.232+/-0.046 χ2/NDF:85.1/38
Out: -0.398+/-0.042 χ2/NDF:133.5/42
All: -0.323+/-0.031 χ2/NDF: 225.5/81

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.072+/-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

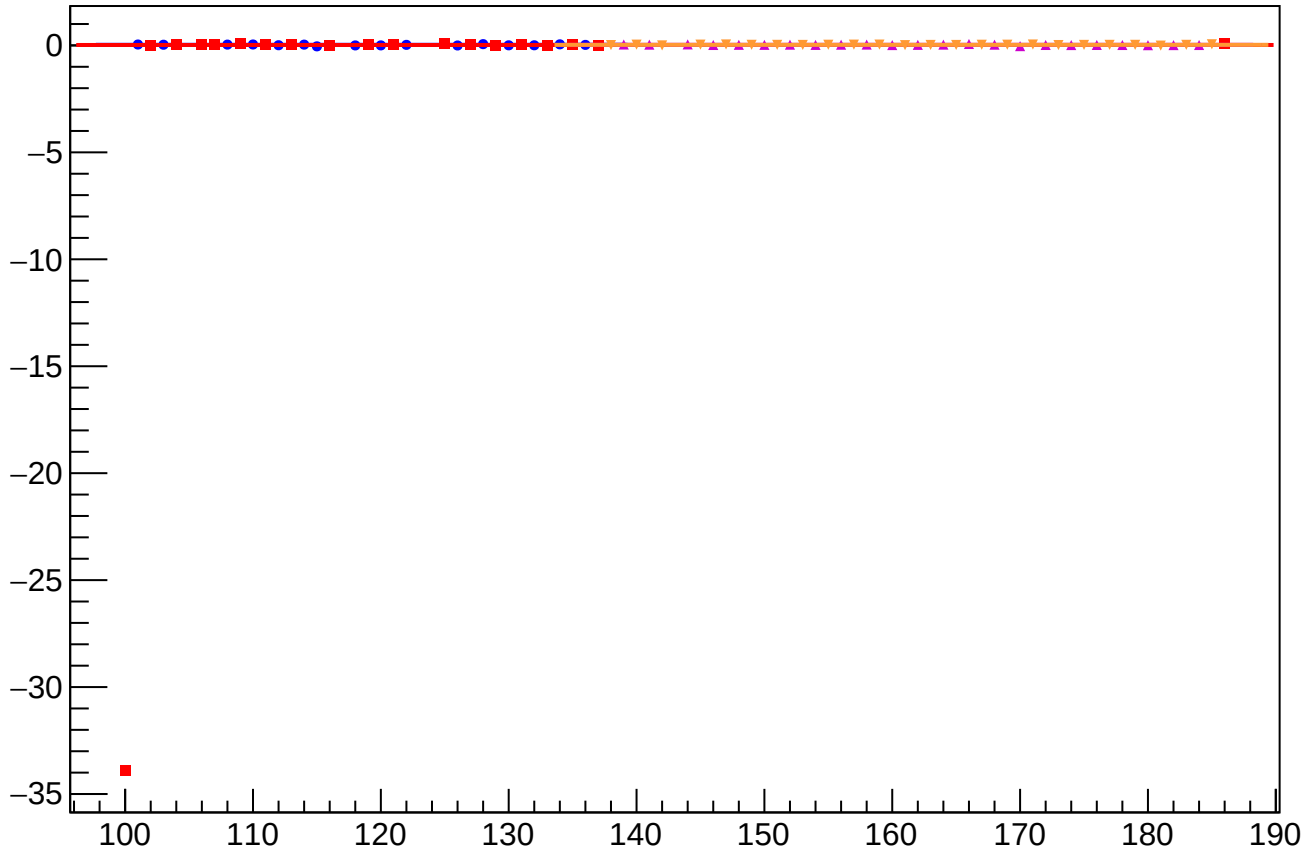
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.121+/-0.058 χ^2/NDF: 52.8/34

In: -0.004+/-0.043 χ^2/NDF:76.9/38

Out: -0.017+/-0.042 χ^2/NDF:71.3/42

All: -0.011+/-0.030 χ^2/NDF: 148.3/81



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

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

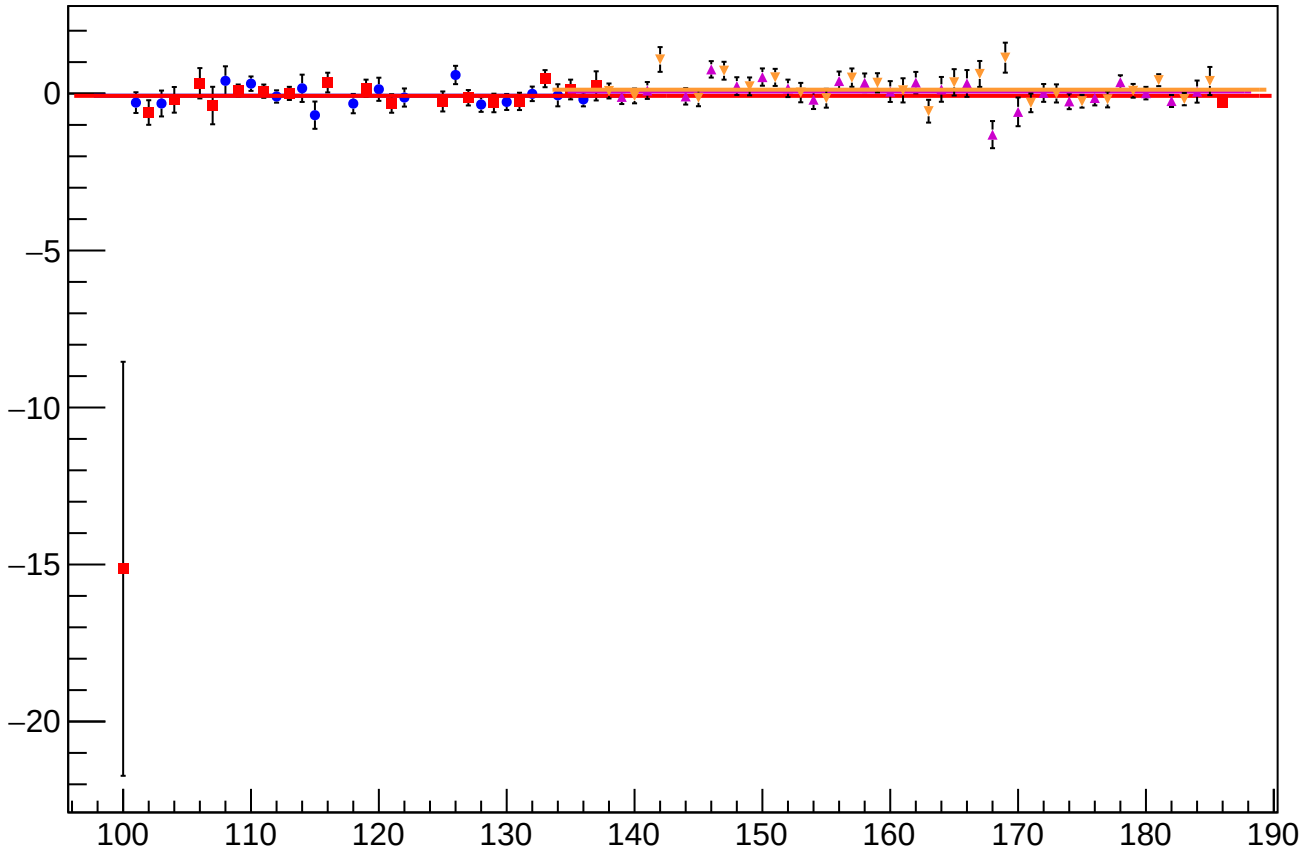
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

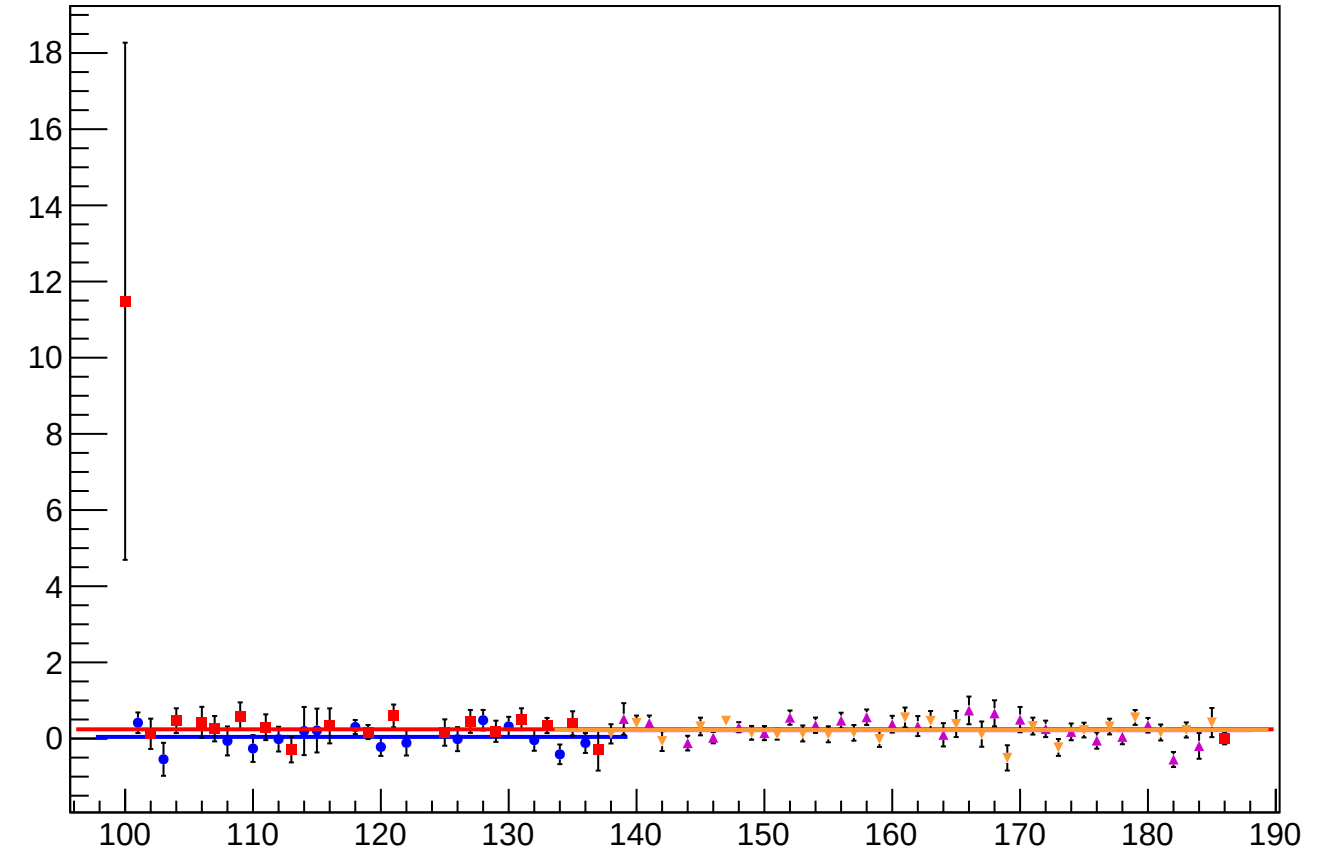
Right: 0.024+/-0.003 χ^2/NDF: 22311.7/34

In: 0.026+/-0.002 χ^2/NDF:54.2/38

Out: 0.025+/-0.002 χ^2/NDF:22328.8/42

All: 0.026+/-0.001 χ^2/NDF: 22383.2/81


reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
180
190
Right In: -0.070+/-0.071 χ²/NDF: 15.5/15
Left Out: 0.122+/-0.057 χ²/NDF:39.6/23
Right Out: -0.074+/-0.061 χ²/NDF: 22.1/18
Left In: 0.063+/-0.058 χ²/NDF:34.2/22
Left: 0.093+/-0.040 χ²/NDF: 74.4/46
Right: -0.073+/-0.046 χ²/NDF: 37.7/34
In: 0.011+/-0.045 χ²/NDF:51.9/38
Out: 0.031+/-0.042 χ²/NDF:67.3/42
All: 0.021+/-0.030 χ²/NDF: 119.3/81



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

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

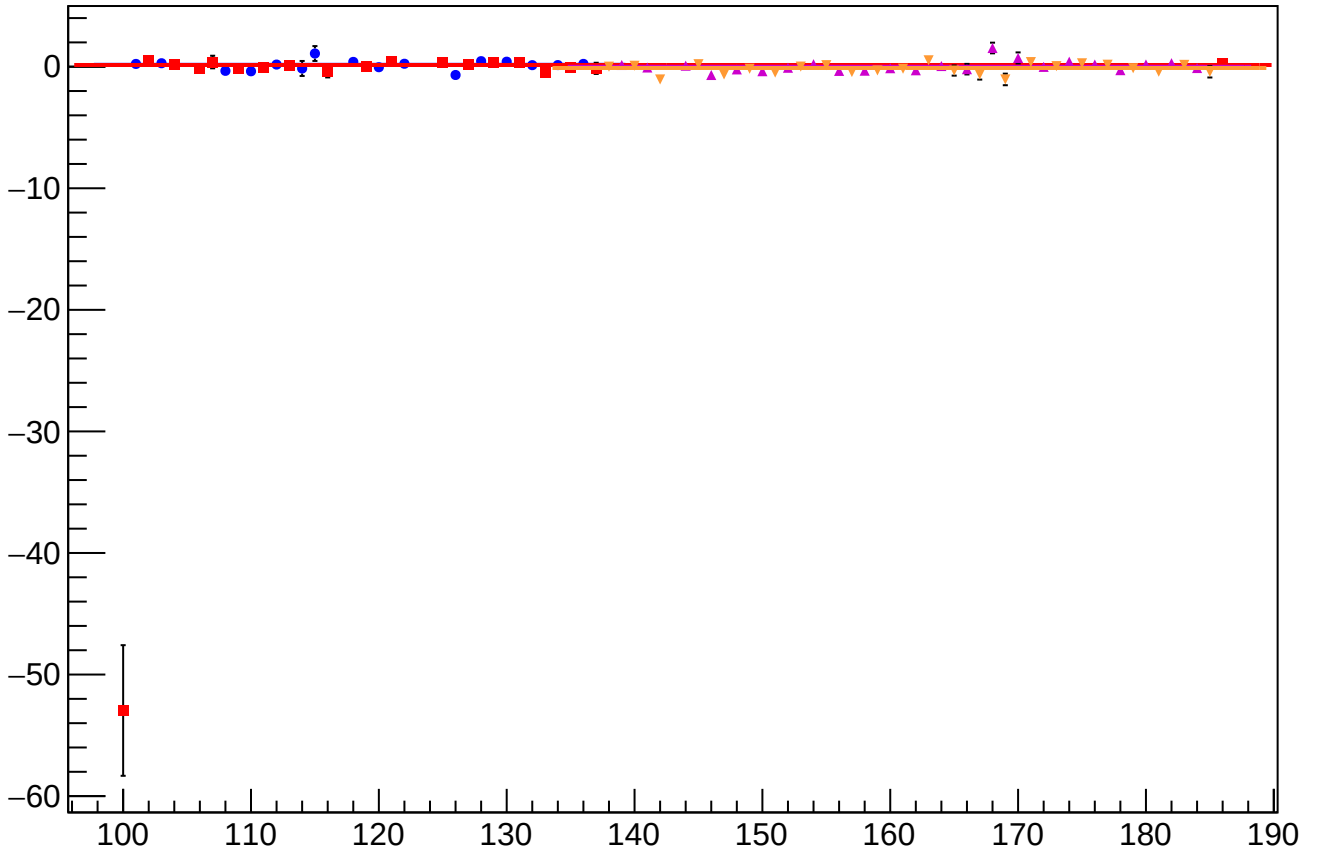
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.152+/-0.049 χ^2/NDF: 33.6/34

In: 0.173+/-0.038 χ^2/NDF:59.4/38

Out: 0.230+/-0.036 χ^2/NDF:38.0/42

All: 0.203+/-0.026 χ^2/NDF: 98.6/81



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

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

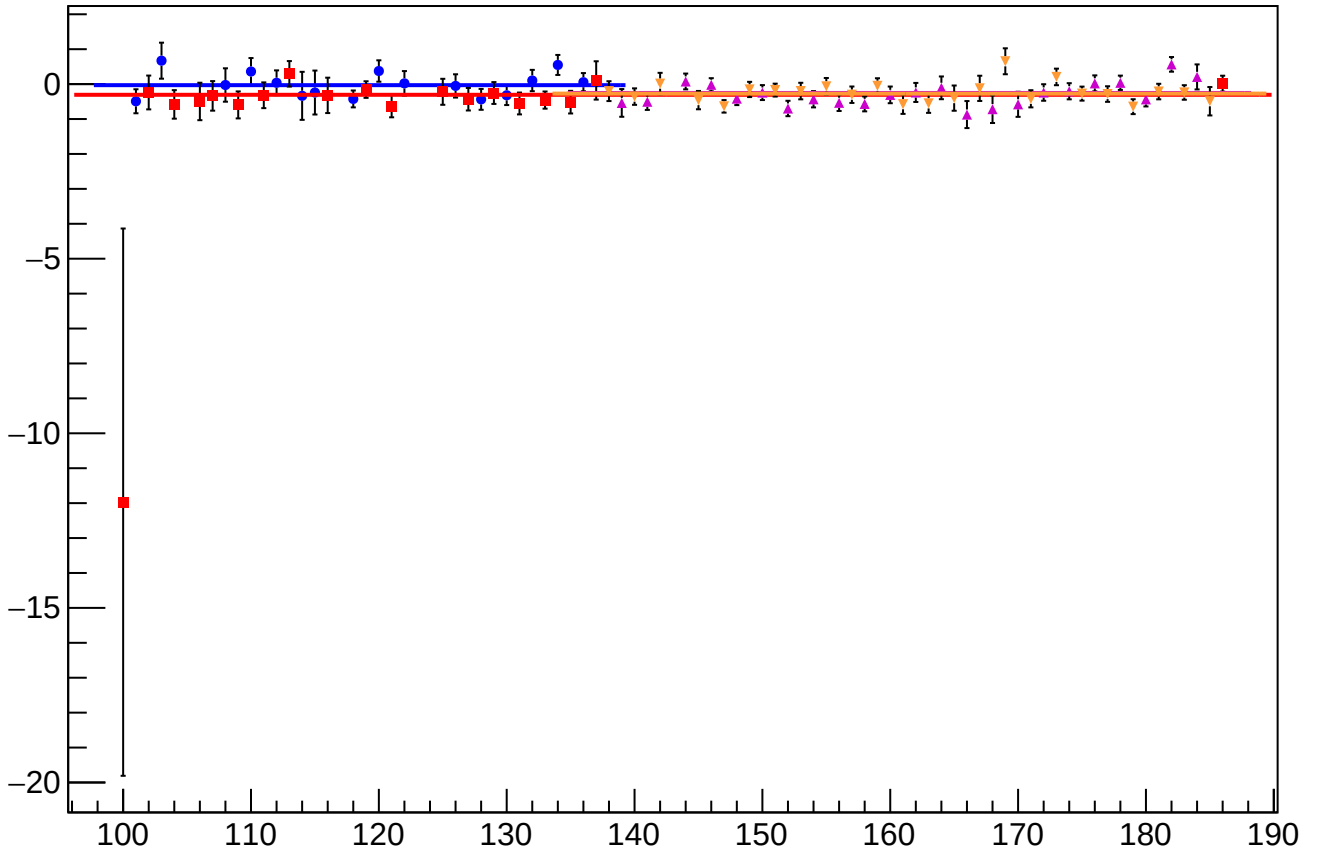
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.146+/-0.049 χ^2/NDF: 127.2/34

In: 0.046+/-0.046 χ^2/NDF:56.3/38

Out: 0.004+/-0.042 χ^2/NDF:157.7/42

All: 0.023+/-0.031 χ^2/NDF: 214.5/81



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

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

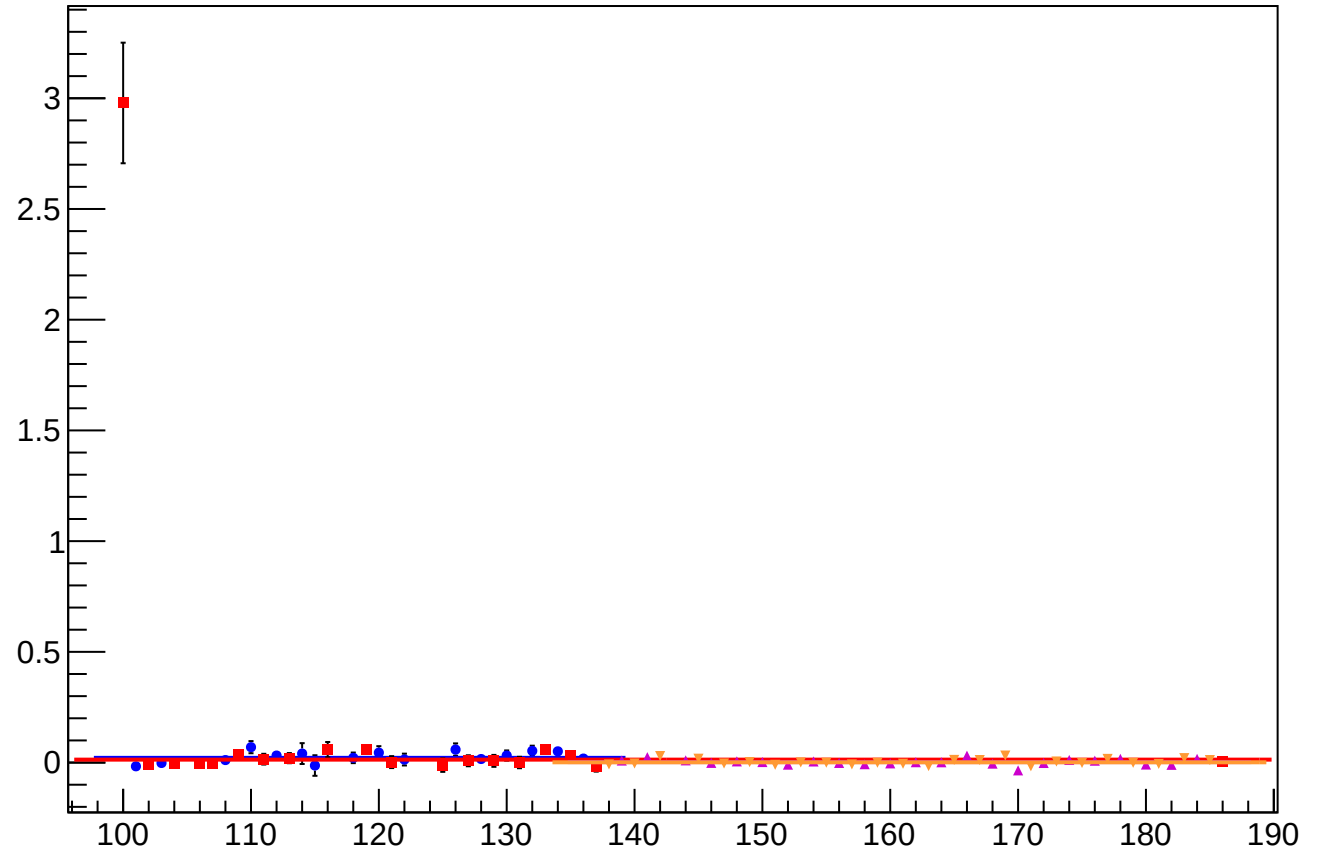
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.175+/-0.058 χ^2/NDF: 34.1/34

In: -0.195+/-0.043 χ^2/NDF:62.6/38

Out: -0.282+/-0.042 χ^2/NDF:36.6/42

All: -0.239+/-0.030 χ^2/NDF: 101.3/81



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

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

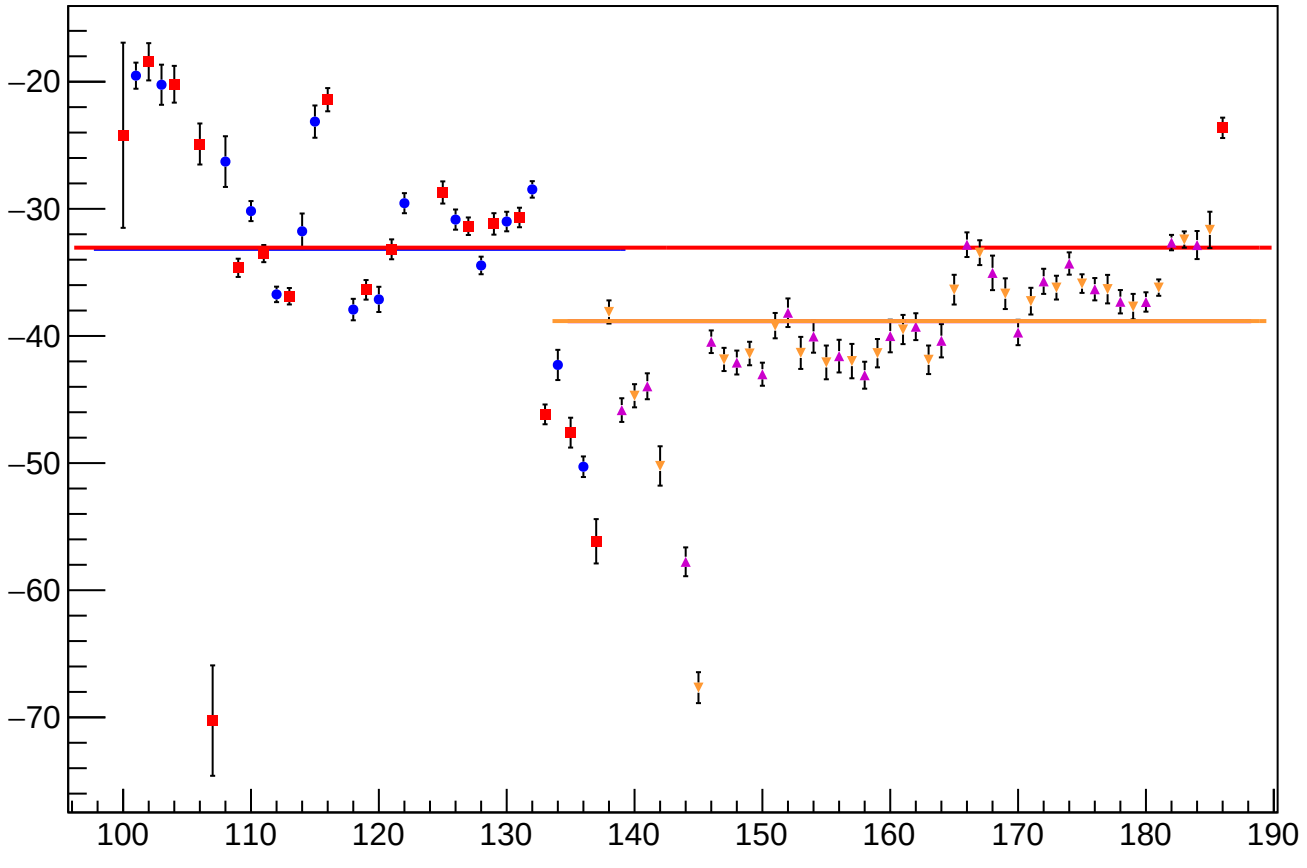
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.017+/-0.003 χ^2/NDF: 165.2/34

In: 0.006+/-0.002 χ^2/NDF:59.9/38

Out: 0.003+/-0.002 χ^2/NDF:173.3/42

All: 0.005+/-0.001 χ^2/NDF: 233.9/81



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

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

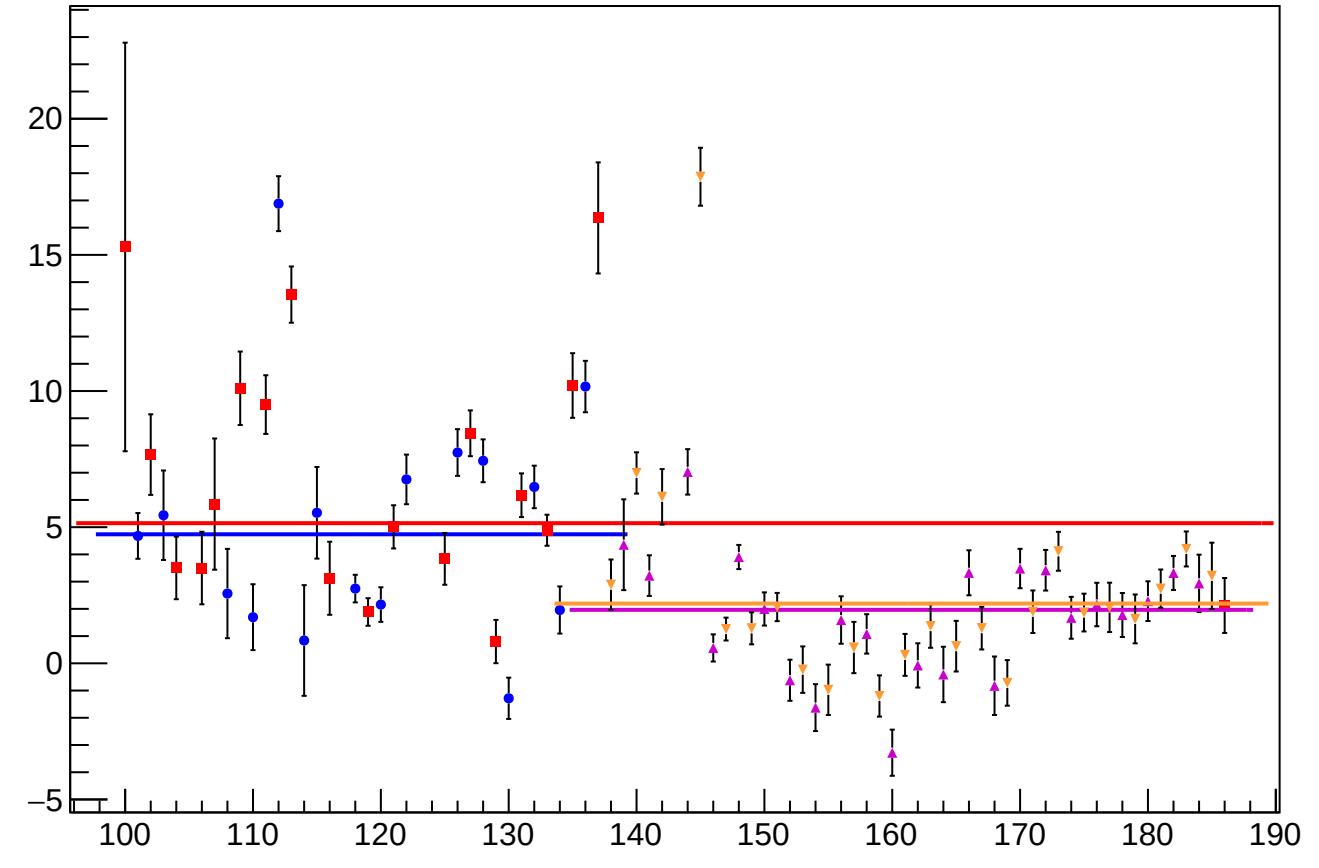
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -33.098+/-0.150 χ^2/NDF: 2310.6/34

In: -36.189+/-0.149 χ^2/NDF:2031.5/38

Out: -36.018+/-0.145 χ^2/NDF:2611.2/42

All: -36.101+/-0.104 χ^2/NDF: 4643.3/81



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

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

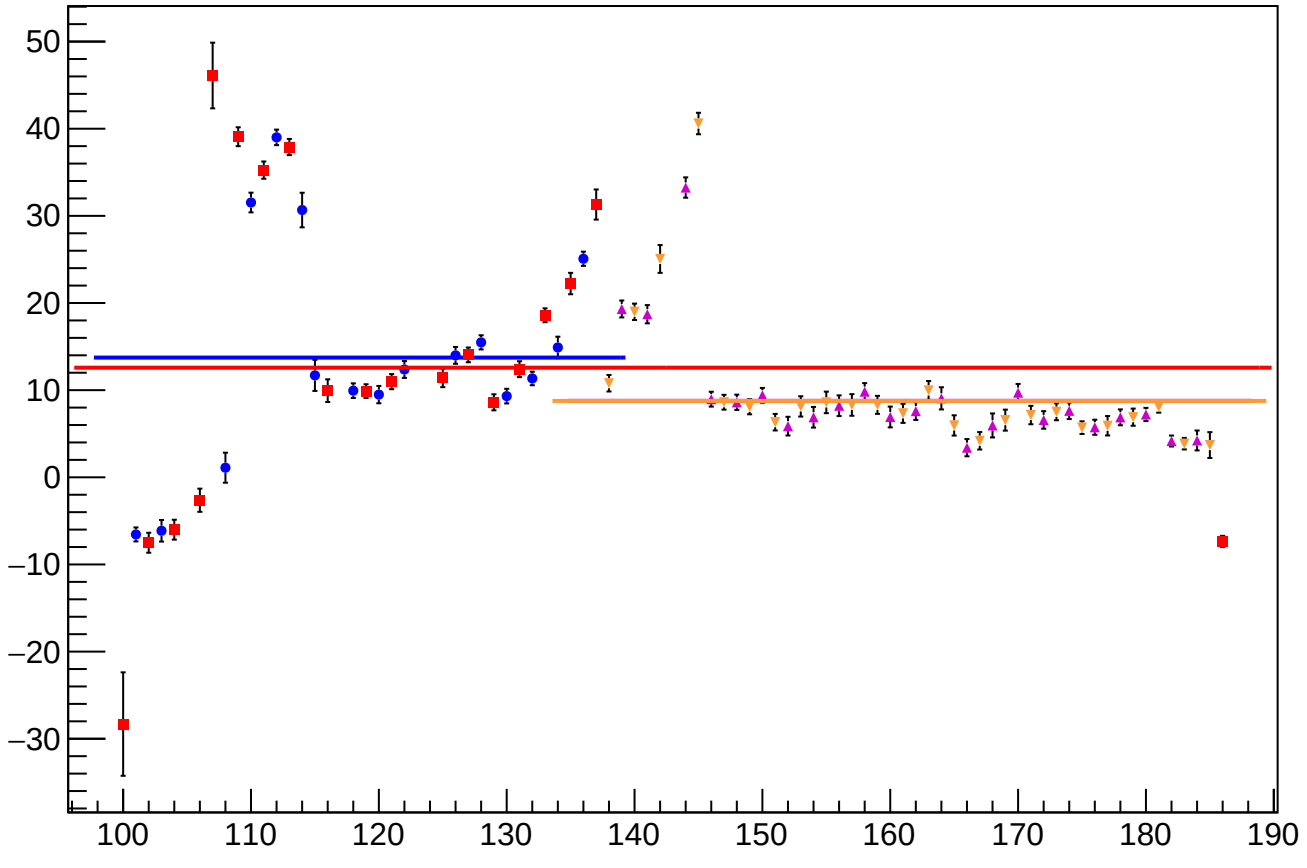
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.944+/-0.155 χ^2/NDF: 585.8/34

In: 2.887+/-0.126 χ^2/NDF:609.7/38

Out: 3.162+/-0.125 χ^2/NDF:742.8/42

All: 3.026+/-0.089 χ^2/NDF: 1354.9/81



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

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

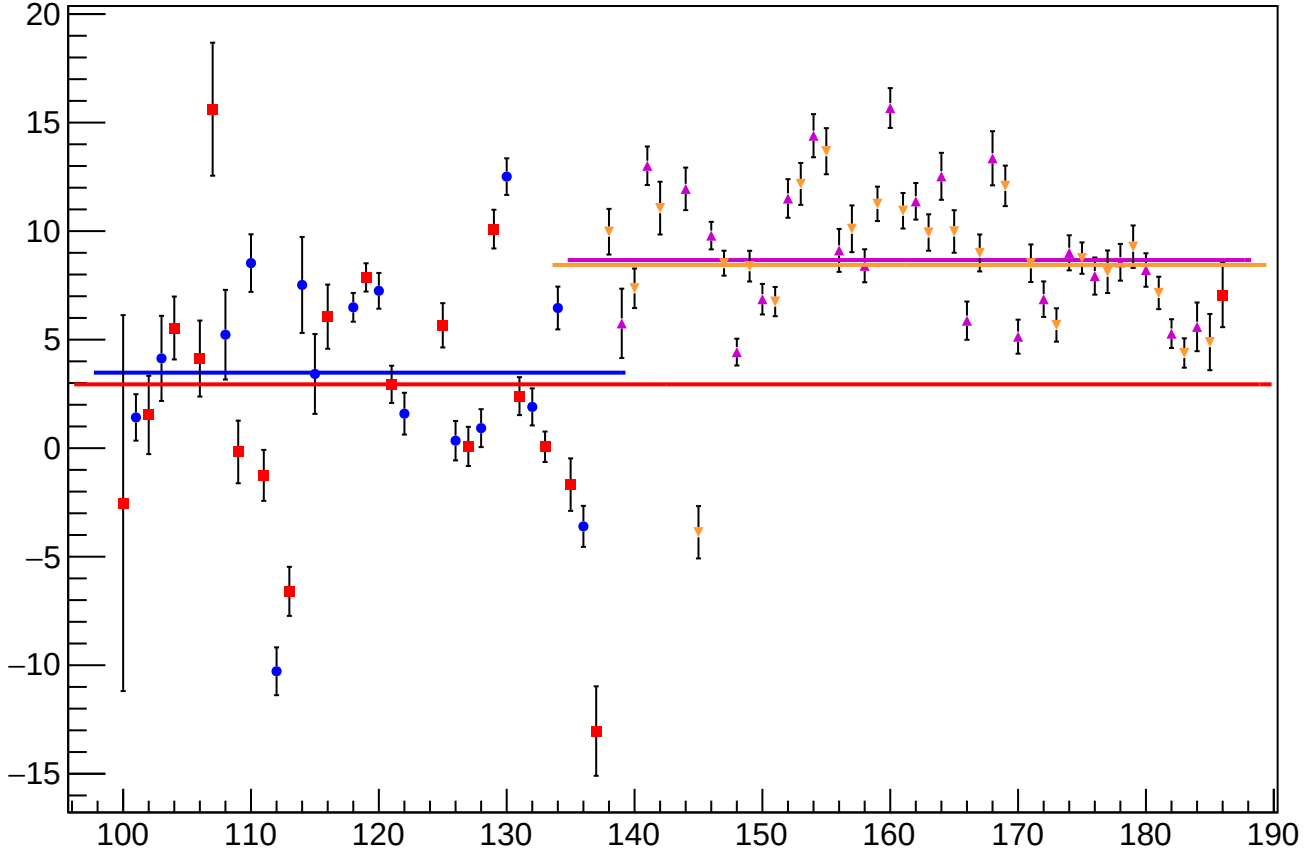
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 13.126+/-0.169 χ^2/NDF: 6296.2/34

In: 10.759+/-0.156 χ^2/NDF:3387.9/38

Out: 10.388+/-0.152 χ^2/NDF:5124.1/42

All: 10.569+/-0.109 χ^2/NDF: 8514.9/81



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

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

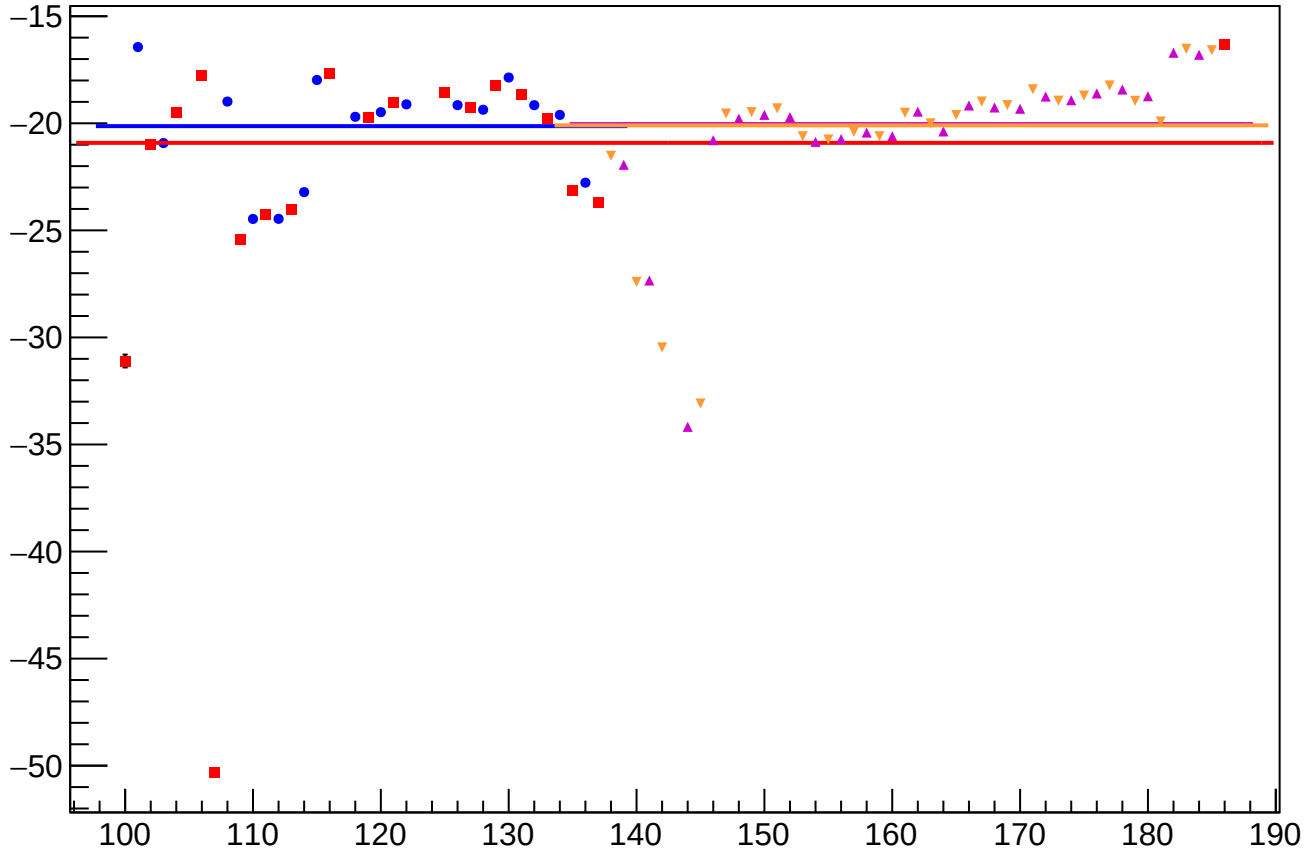
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.210+/-0.179 χ^2/NDF: 783.1/34

In: 6.985+/-0.144 χ^2/NDF:1015.0/38

Out: 6.686+/-0.143 χ^2/NDF:938.2/42

All: 6.834+/-0.102 χ^2/NDF: 1955.4/81



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

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

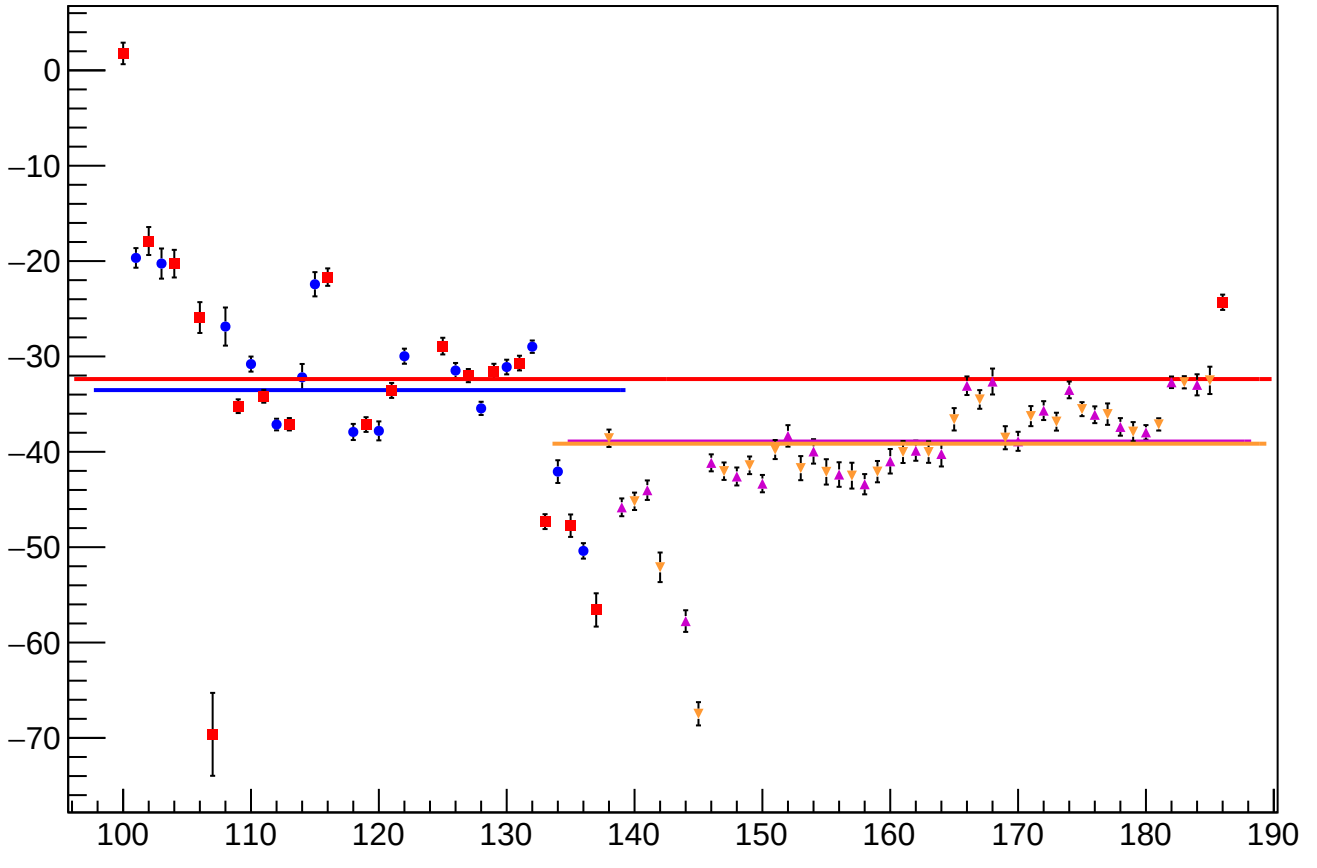
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

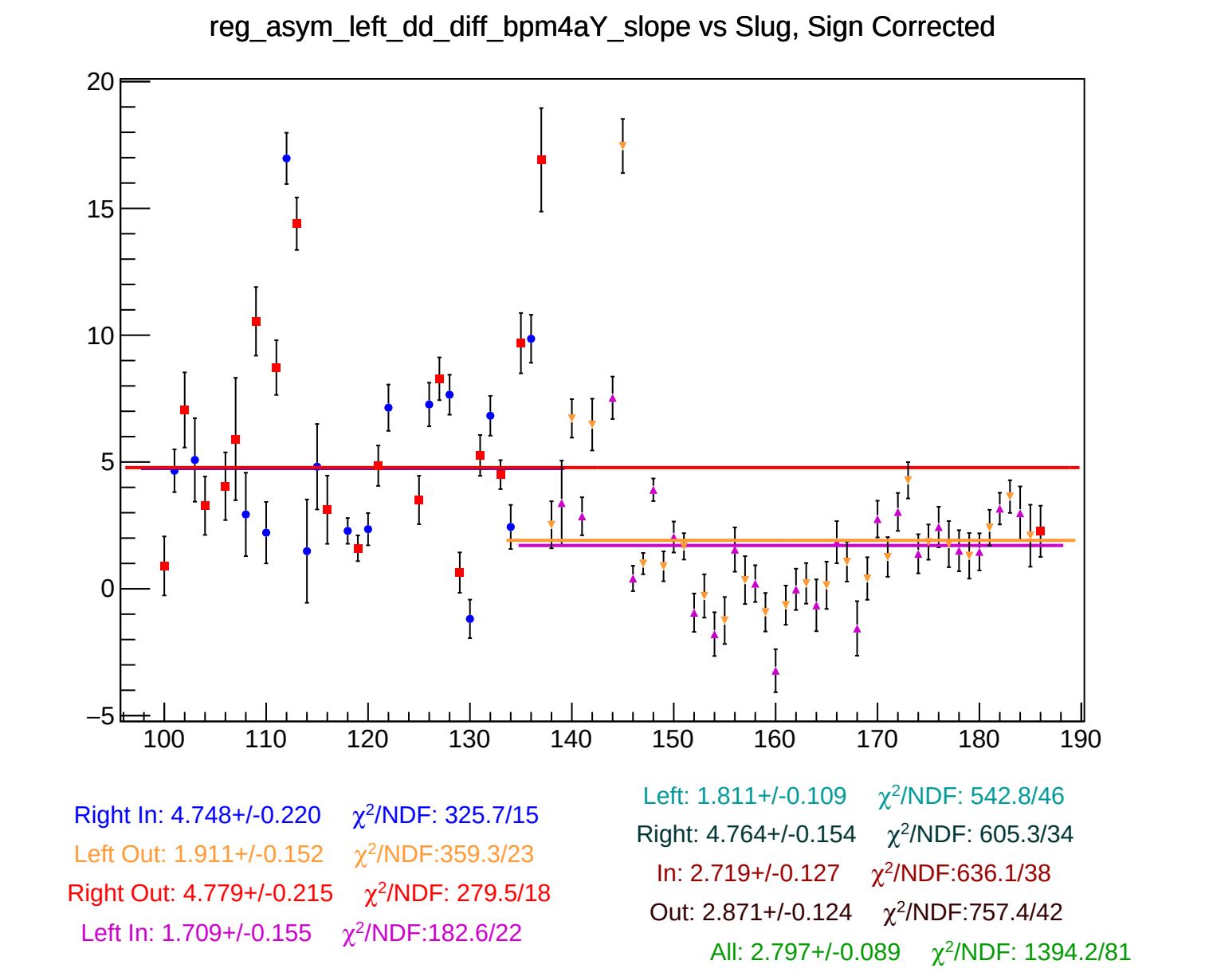
Right: -20.517+/-0.011 χ^2/NDF: 80561.3/34

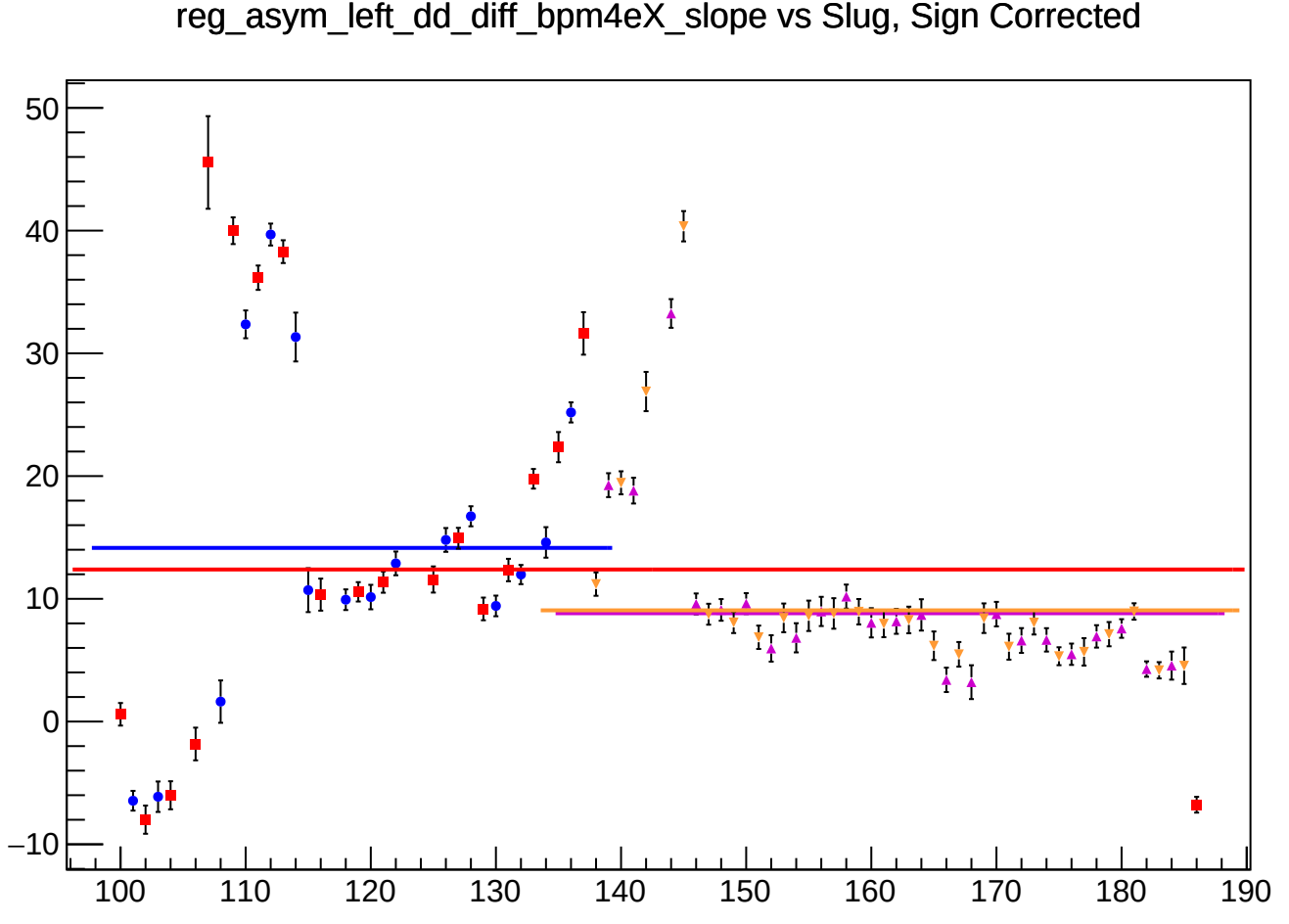
In: -20.056+/-0.007 χ^2/NDF:152151.4/38

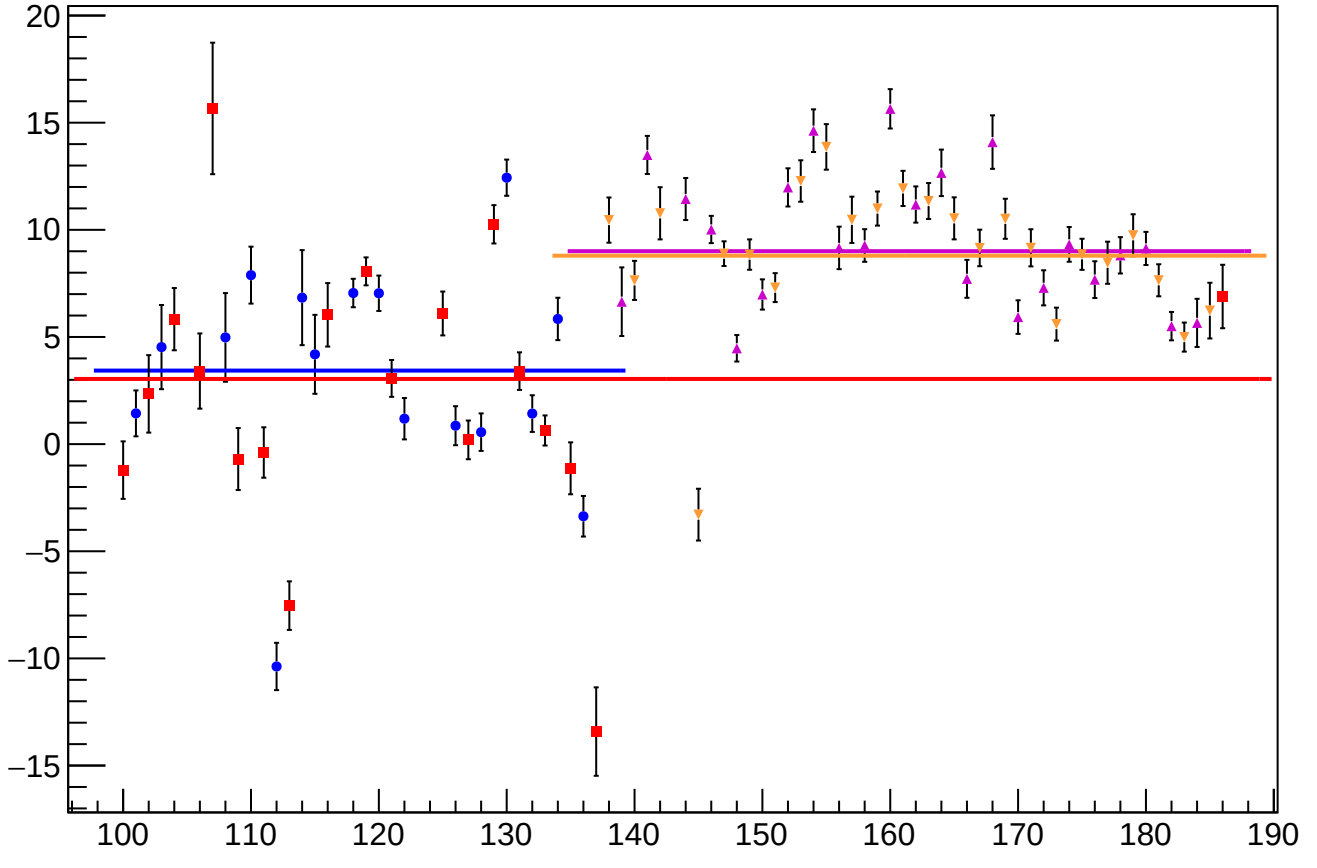
Out: -20.253+/-0.007 χ^2/NDF:220897.5/42

All: -20.154+/-0.005 χ^2/NDF: 373433.0/81


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
190
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -32.370+/-0.205 χ²/NDF: 2277.8/18
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -32.912+/-0.149 χ²/NDF: 3301.4/34
In: -36.412+/-0.149 χ²/NDF:2019.0/38
Out: -35.795+/-0.144 χ²/NDF:3731.0/42
All: -36.093+/-0.104 χ²/NDF: 5758.9/81


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
190
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 1.911+/-0.152 χ²/NDF:359.3/23
Right Out: 4.779+/-0.215 χ²/NDF: 279.5/18
Left In: 1.709+/-0.155 χ²/NDF:182.6/22
Left: 1.811+/-0.109 χ²/NDF: 542.8/46
Right: 4.764+/-0.154 χ²/NDF: 605.3/34
In: 2.719+/-0.127 χ²/NDF:636.1/38
Out: 2.871+/-0.124 χ²/NDF:757.4/42
All: 2.797+/-0.089 χ²/NDF: 1394.2/81


reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
190
Right In: 14.149+/-0.247 χ²/NDF: 2402.4/15
Left Out: 9.061+/-0.201 χ²/NDF:1033.5/23
Right Out: 12.389+/-0.226 χ²/NDF: 4116.2/18
Left In: 8.826+/-0.202 χ²/NDF:801.4/22
Left: 8.944+/-0.142 χ²/NDF: 1835.6/46
Right: 13.192+/-0.167 χ²/NDF: 6546.1/34
In: 10.955+/-0.156 χ²/NDF:3481.9/38
Out: 10.527+/-0.150 χ²/NDF:5270.5/42
All: 10.732+/-0.108 χ²/NDF: 8756.4/81



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

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

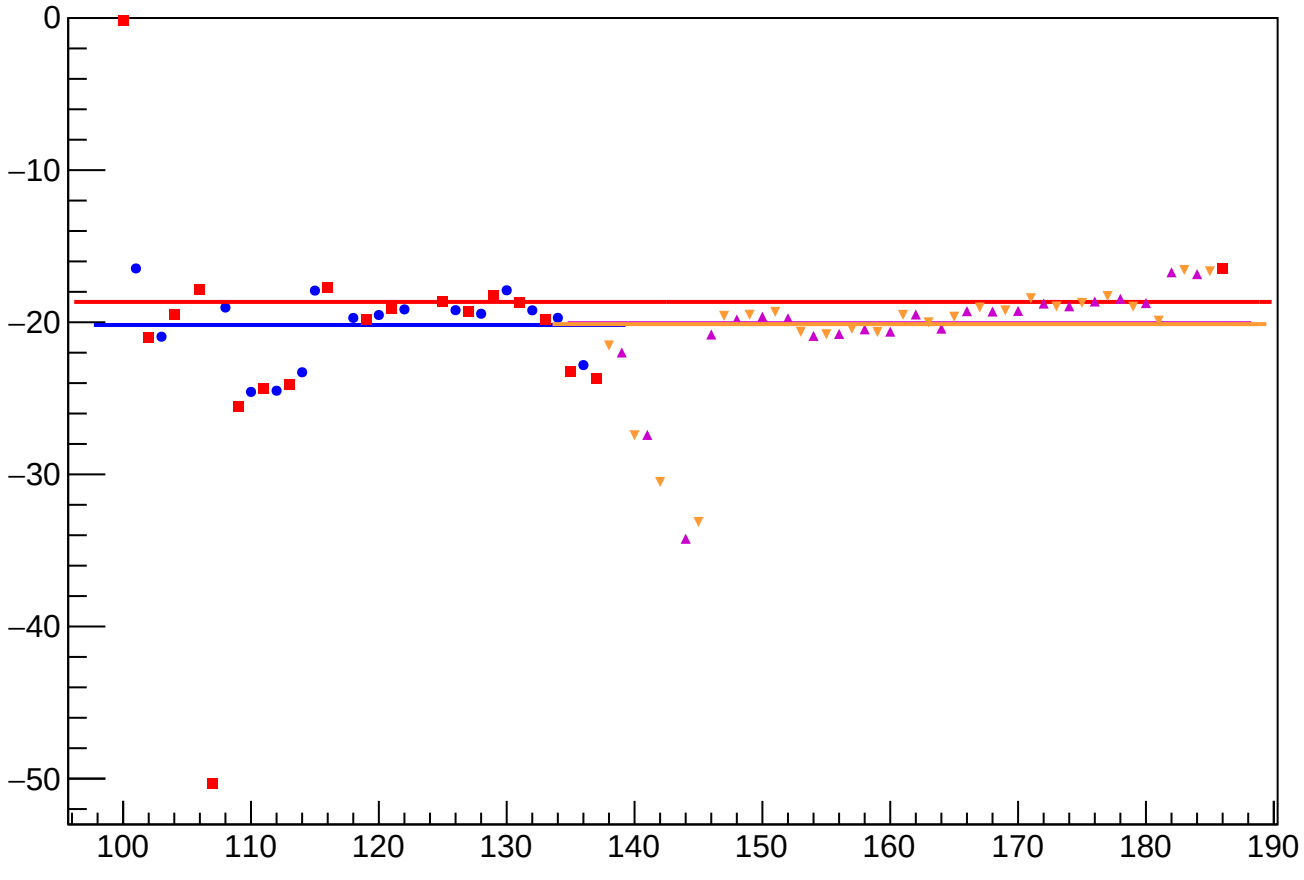
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.233+/-0.178 χ^2/NDF: 799.9/34

In: 7.199+/-0.145 χ^2/NDF:1038.4/38

Out: 6.915+/-0.143 χ^2/NDF:976.1/42

All: 7.055+/-0.102 χ^2/NDF: 2016.4/81



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

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

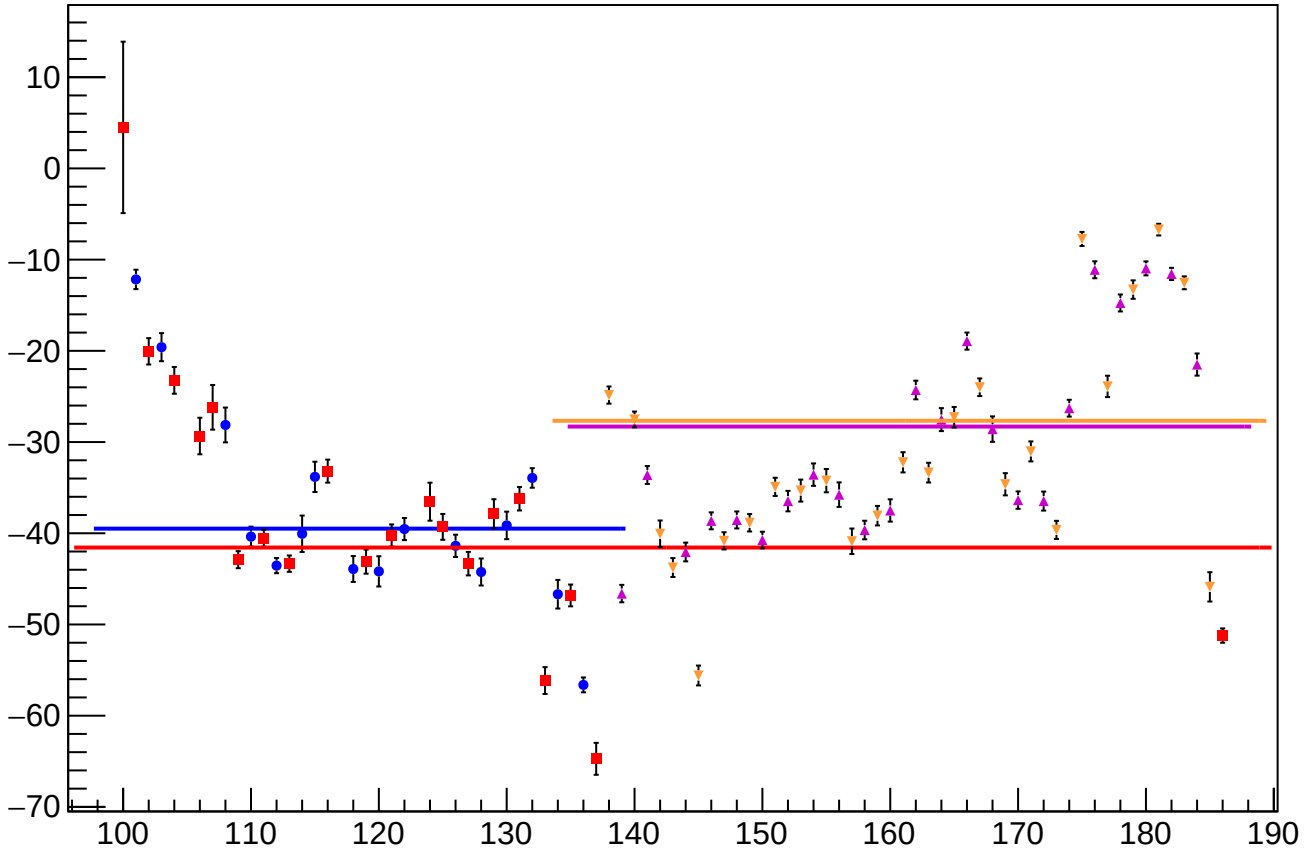
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.390+/-0.011 χ^2/NDF: 259657.0/34

In: -20.086+/-0.007 χ^2/NDF:152589.9/38

Out: -19.817+/-0.007 χ^2/NDF:400834.1/42

All: -19.950+/-0.005 χ^2/NDF: 554149.1/81



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

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

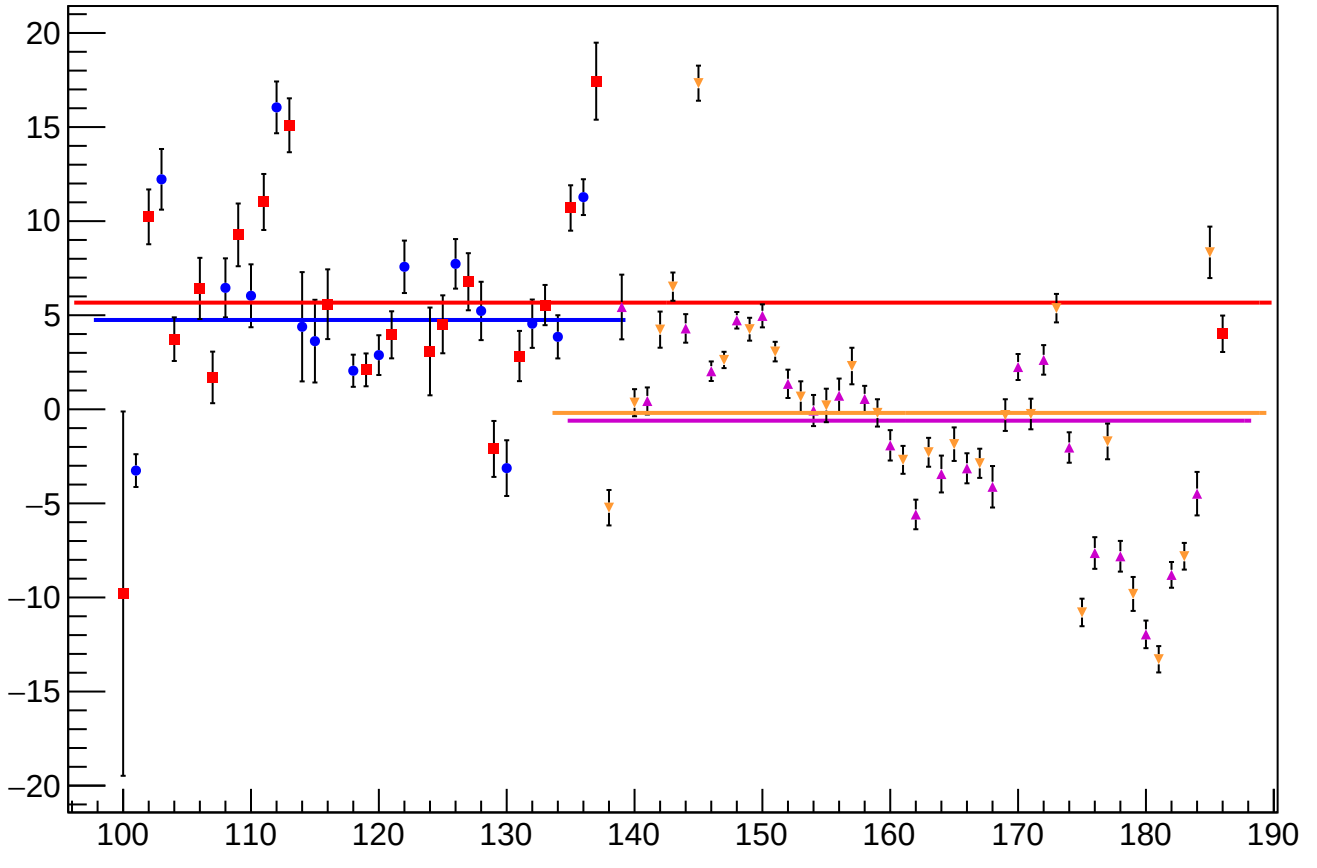
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -40.614+/-0.210 χ^2/NDF: 2450.2/35

In: -31.715+/-0.172 χ^2/NDF:5592.4/38

Out: -32.246+/-0.164 χ^2/NDF:6989.0/44

All: -31.992+/-0.119 χ^2/NDF: 12586.4/83



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

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

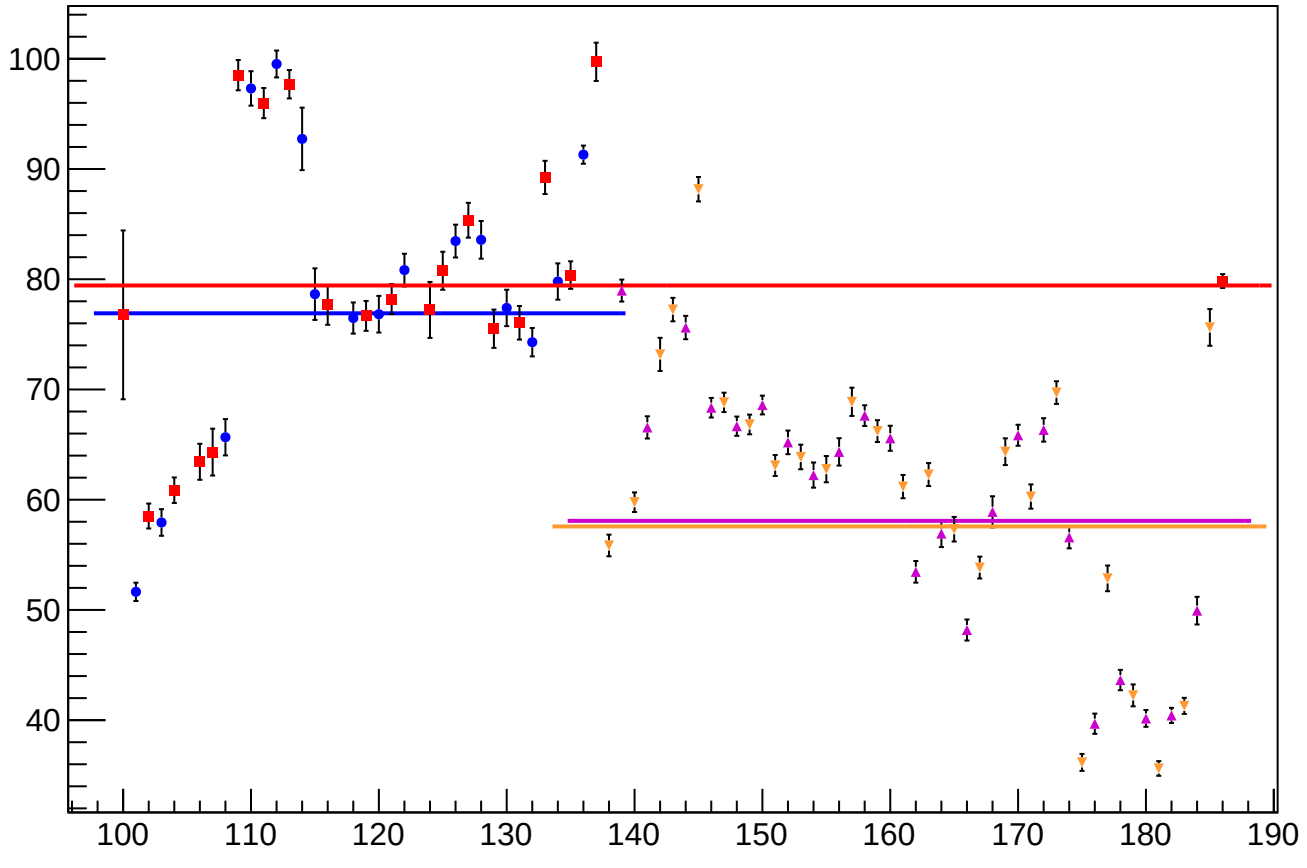
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.221+/-0.220 χ^2/NDF: 469.1/35

In: 0.435+/-0.139 χ^2/NDF:1479.6/38

Out: 0.938+/-0.135 χ^2/NDF:2030.1/44

All: 0.695+/-0.097 χ^2/NDF: 3516.4/83



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

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

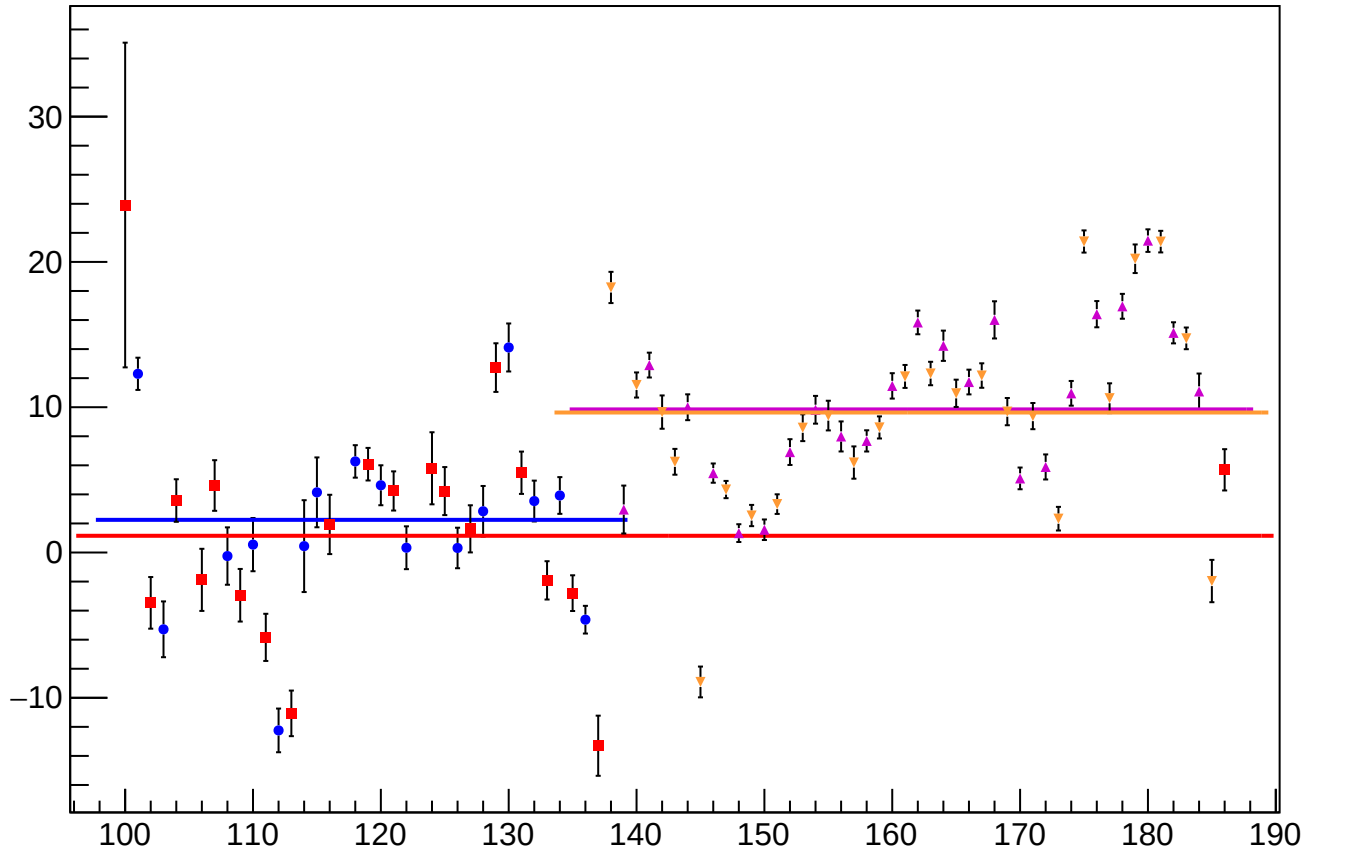
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 78.300+/-0.226 χ^2/NDF: 3643.8/35

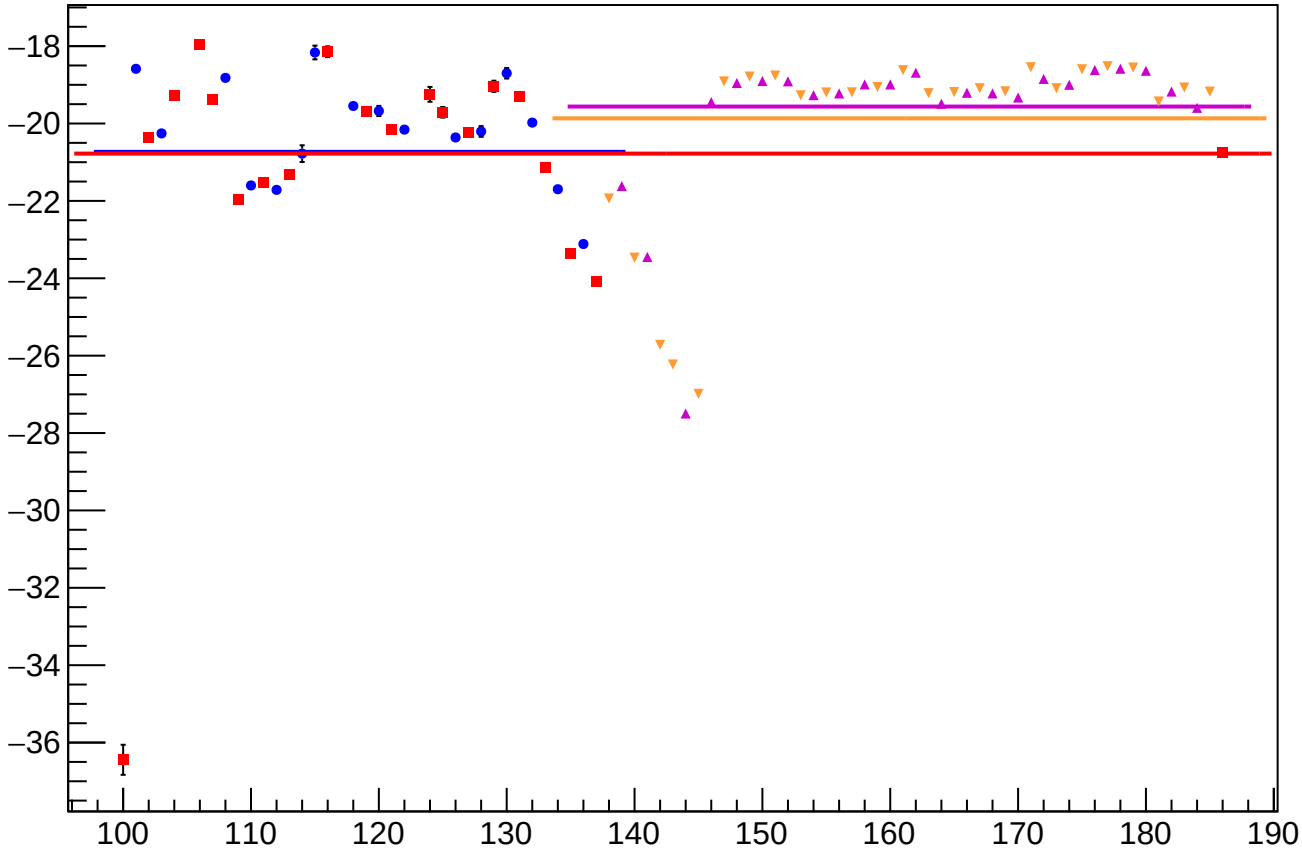
In: 63.113+/-0.174 χ^2/NDF:7963.7/38

Out: 64.121+/-0.167 χ^2/NDF:9798.2/44

All: 63.640+/-0.120 χ^2/NDF: 17779.4/83


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
190
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 1.151+/-0.360 χ²/NDF: 267.1/19
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 1.695+/-0.256 χ²/NDF: 591.3/35
In: 8.399+/-0.159 χ²/NDF:1667.3/38
Out: 8.068+/-0.155 χ²/NDF:2211.6/44
All: 8.229+/-0.111 χ²/NDF: 3881.1/83

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

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

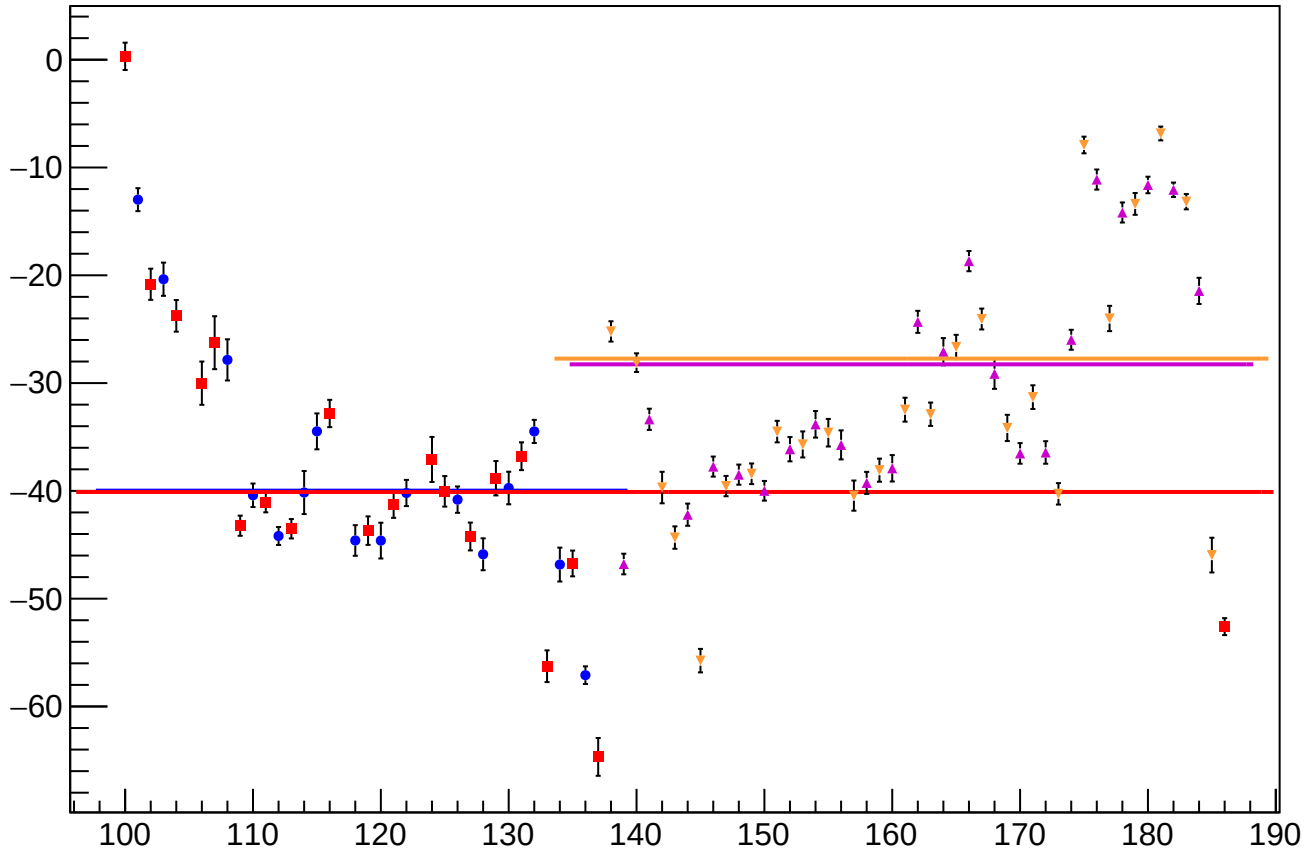
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/35

In: -19.730+/-0.007 χ^2/NDF:55918.8/38

Out: -19.990+/-0.007 χ^2/NDF:90150.8/44

All: -19.861+/-0.005 χ^2/NDF: 146699.5/83



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -40.101+/-0.280 χ^2/NDF: 2062.4/19

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

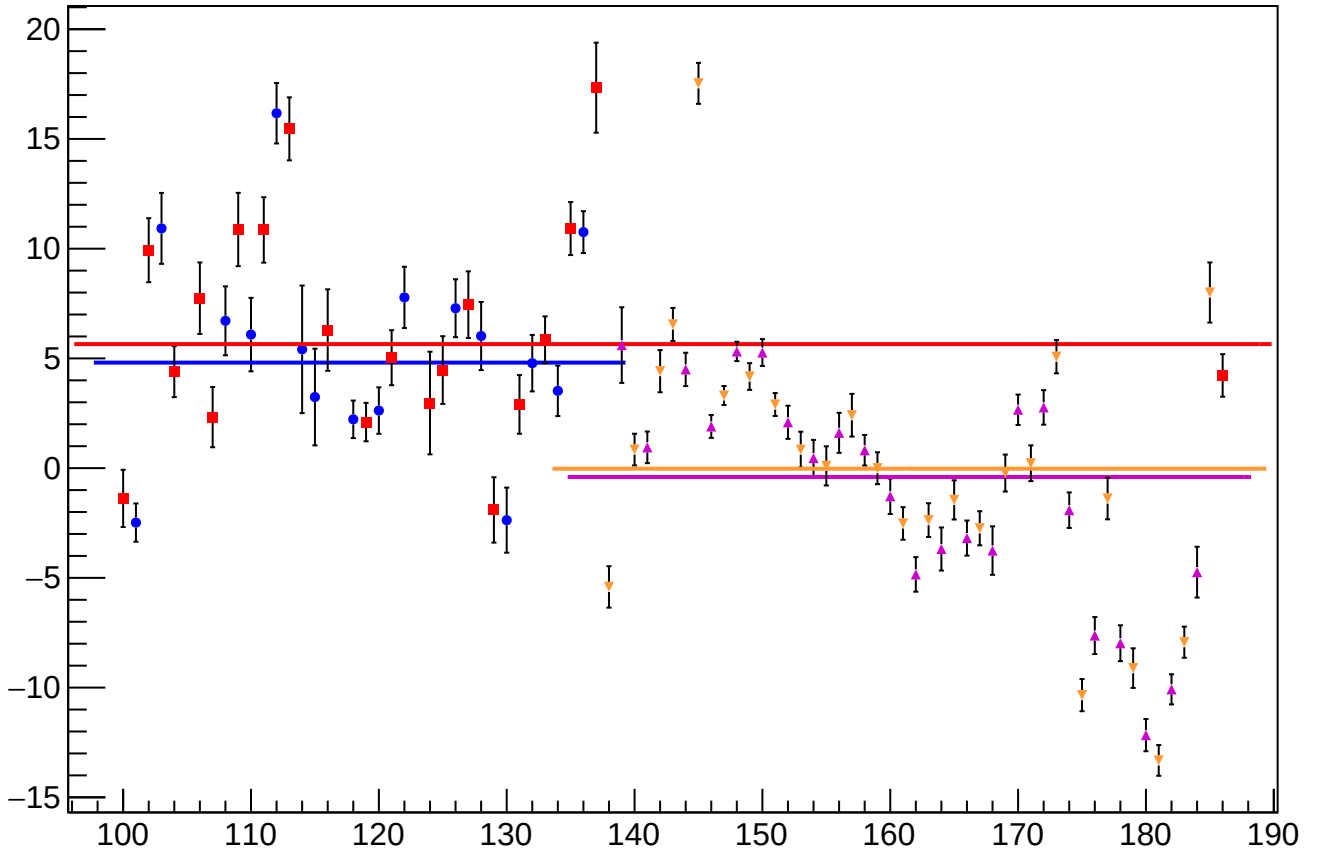
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -40.046+/-0.208 χ^2/NDF: 3460.9/35

In: -31.836+/-0.172 χ^2/NDF:5557.1/38

Out: -31.938+/-0.163 χ^2/NDF:7654.2/44

All: -31.890+/-0.118 χ^2/NDF: 13211.5/83



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.651+/-0.300 χ^2/NDF: 218.8/19

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

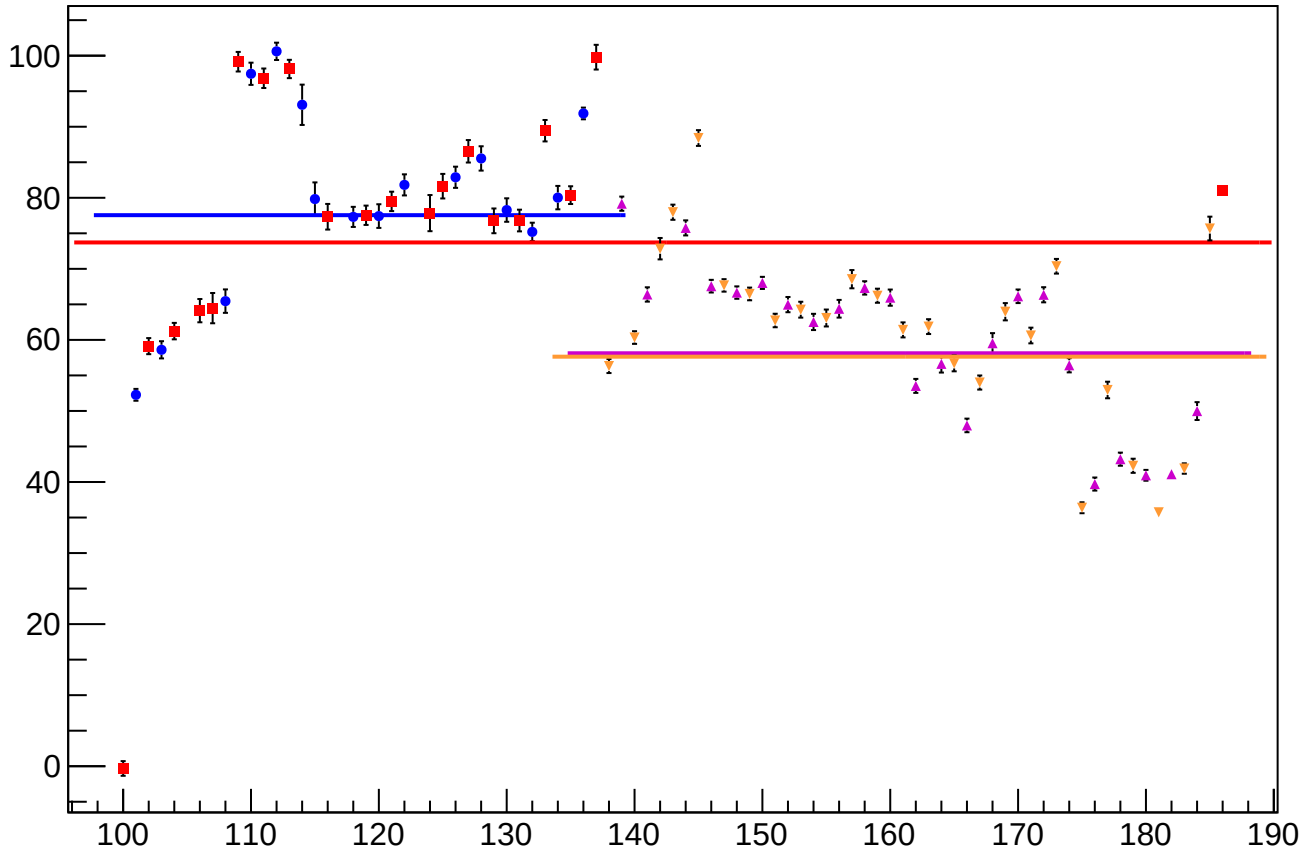
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.252+/-0.218 χ^2/NDF: 463.0/35

In: 0.610+/-0.140 χ^2/NDF:1543.2/38

Out: 1.116+/-0.134 χ^2/NDF:2037.4/44

All: 0.872+/-0.097 χ^2/NDF: 3587.4/83



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

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

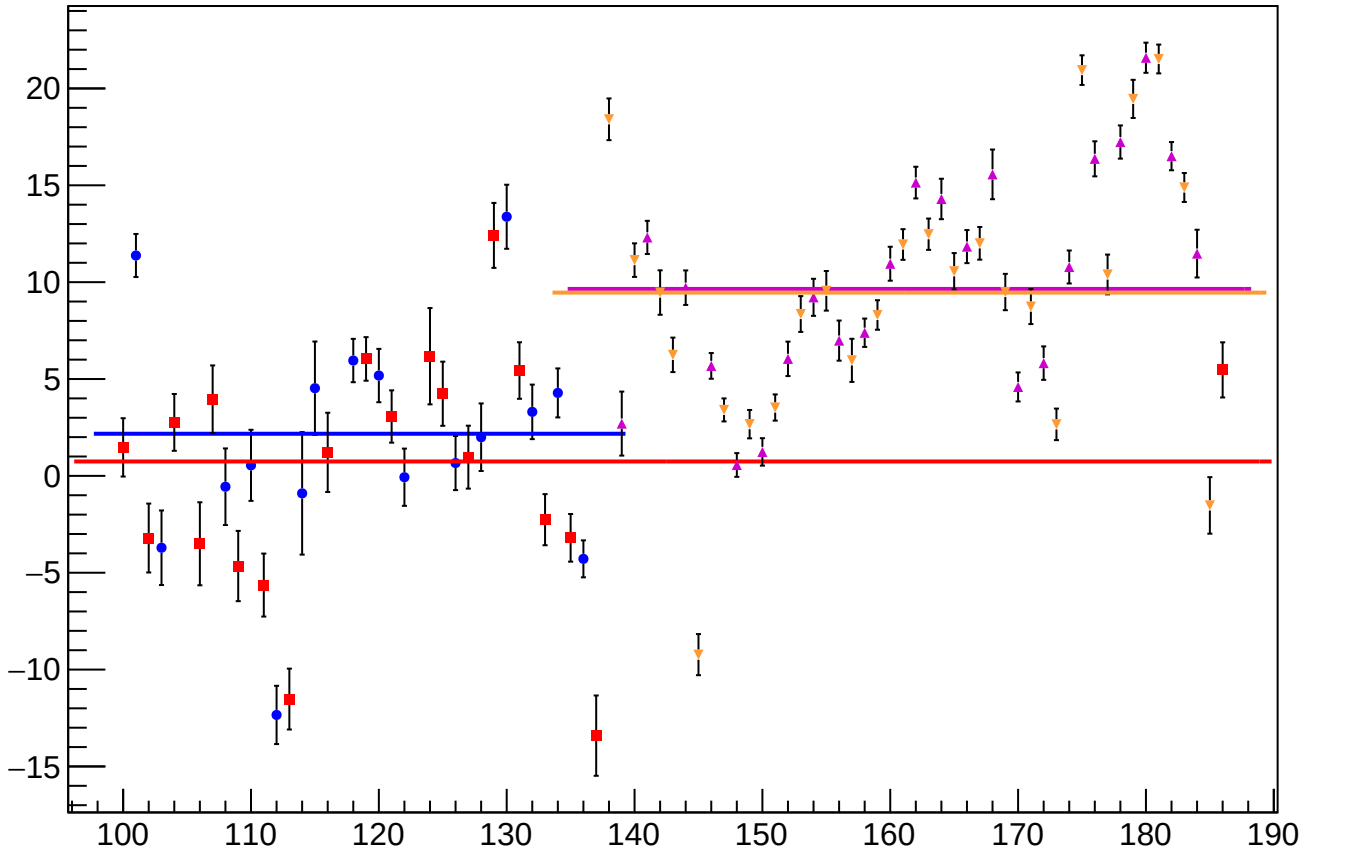
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

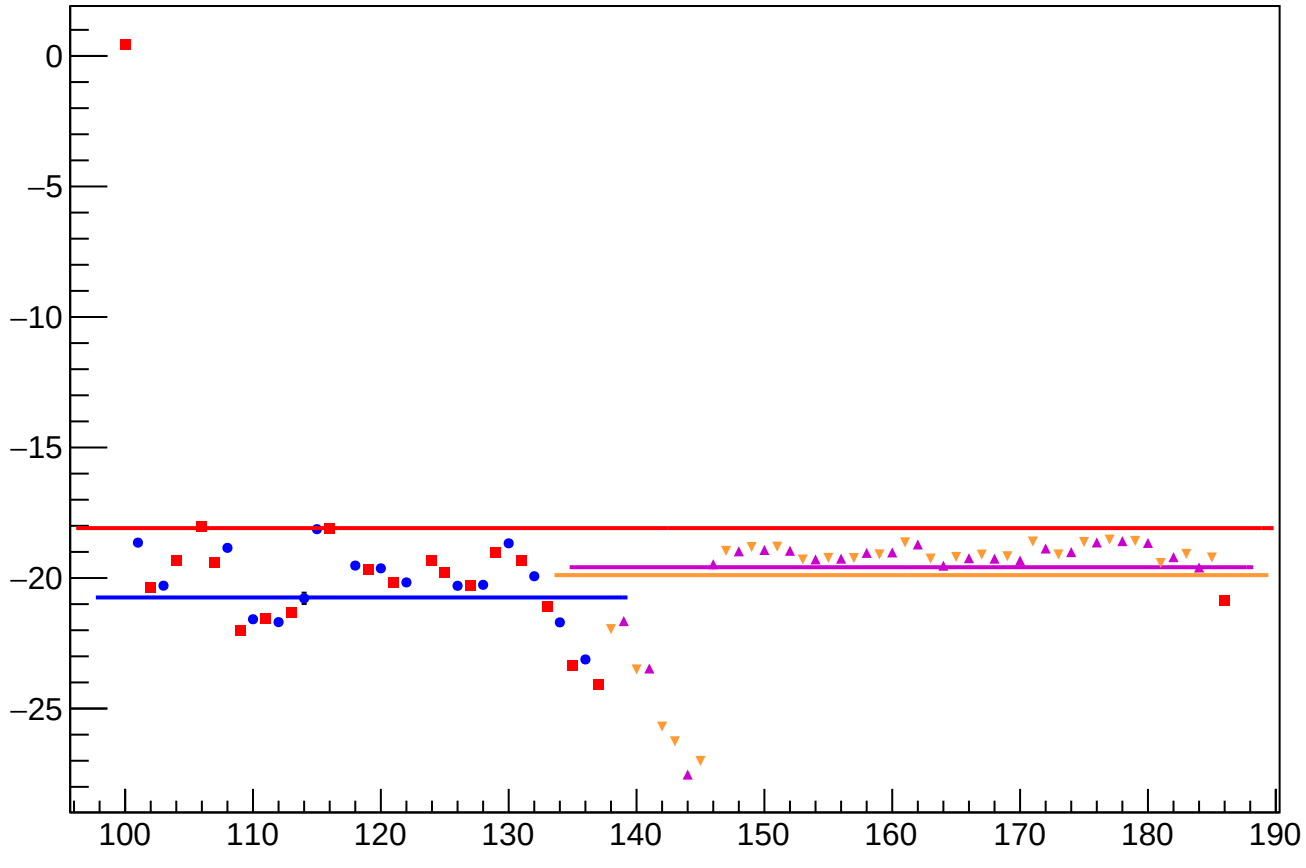
Right: 75.362+/-0.221 χ^2/NDF: 9267.7/35

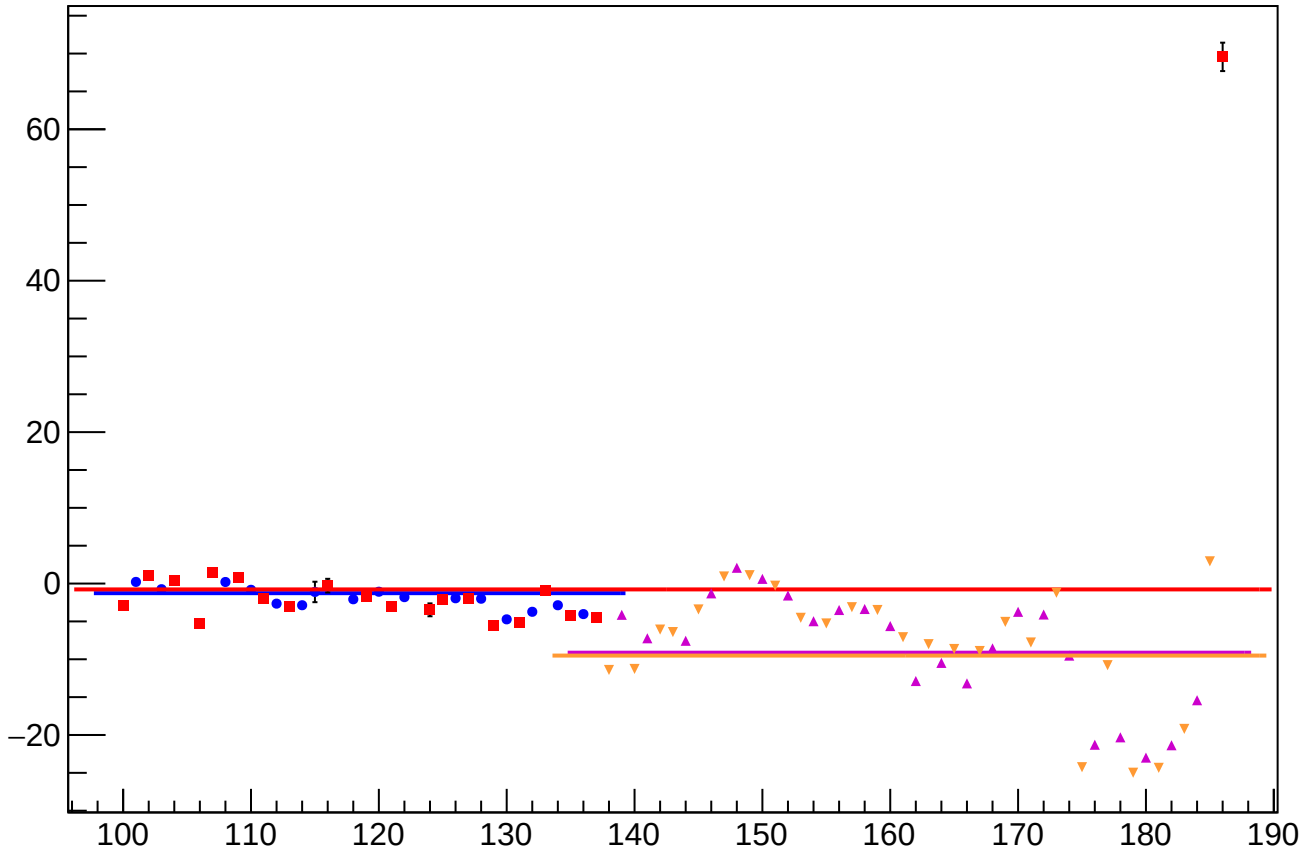
In: 63.315+/-0.174 χ^2/NDF:7993.5/38

Out: 62.734+/-0.165 χ^2/NDF:13751.4/44

All: 63.008+/-0.120 χ^2/NDF: 21750.7/83


reg_asym_right_dd_diff_bpm4eY_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: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 9.461+/-0.172 χ²/NDF:1483.1/24
Right Out: 0.743+/-0.351 χ²/NDF: 265.9/19
Left In: 9.650+/-0.177 χ²/NDF:1078.5/22
Left: 9.553+/-0.123 χ²/NDF: 2562.3/47
Right: 1.433+/-0.252 χ²/NDF: 564.2/35
In: 8.223+/-0.159 χ²/NDF:1710.8/38
Out: 7.777+/-0.154 χ²/NDF:2247.3/44
All: 7.993+/-0.111 χ²/NDF: 3962.3/83


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
180
190
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
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: -19.354+/-0.013 χ²/NDF: 168620.4/35
In: -19.753+/-0.007 χ²/NDF:55635.0/38
Out: -19.614+/-0.007 χ²/NDF:237833.2/44
All: -19.682+/-0.005 χ²/NDF: 293647.7/83



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

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

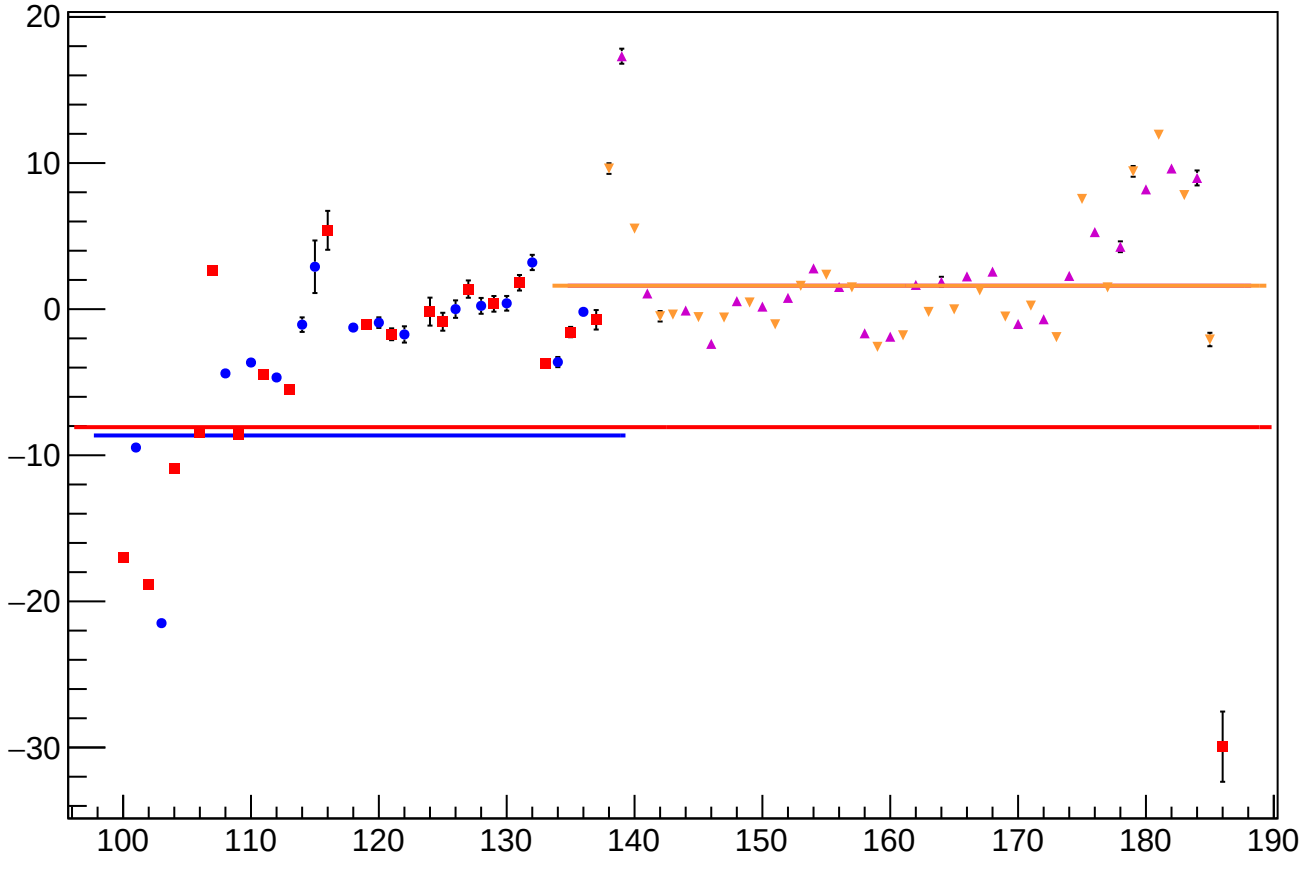
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.005+/-0.037 χ^2/NDF: 3451.2/35

In: -3.999+/-0.044 χ^2/NDF:18223.3/38

Out: -3.660+/-0.042 χ^2/NDF:25400.2/44

All: -3.820+/-0.030 χ^2/NDF: 43654.6/83



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

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

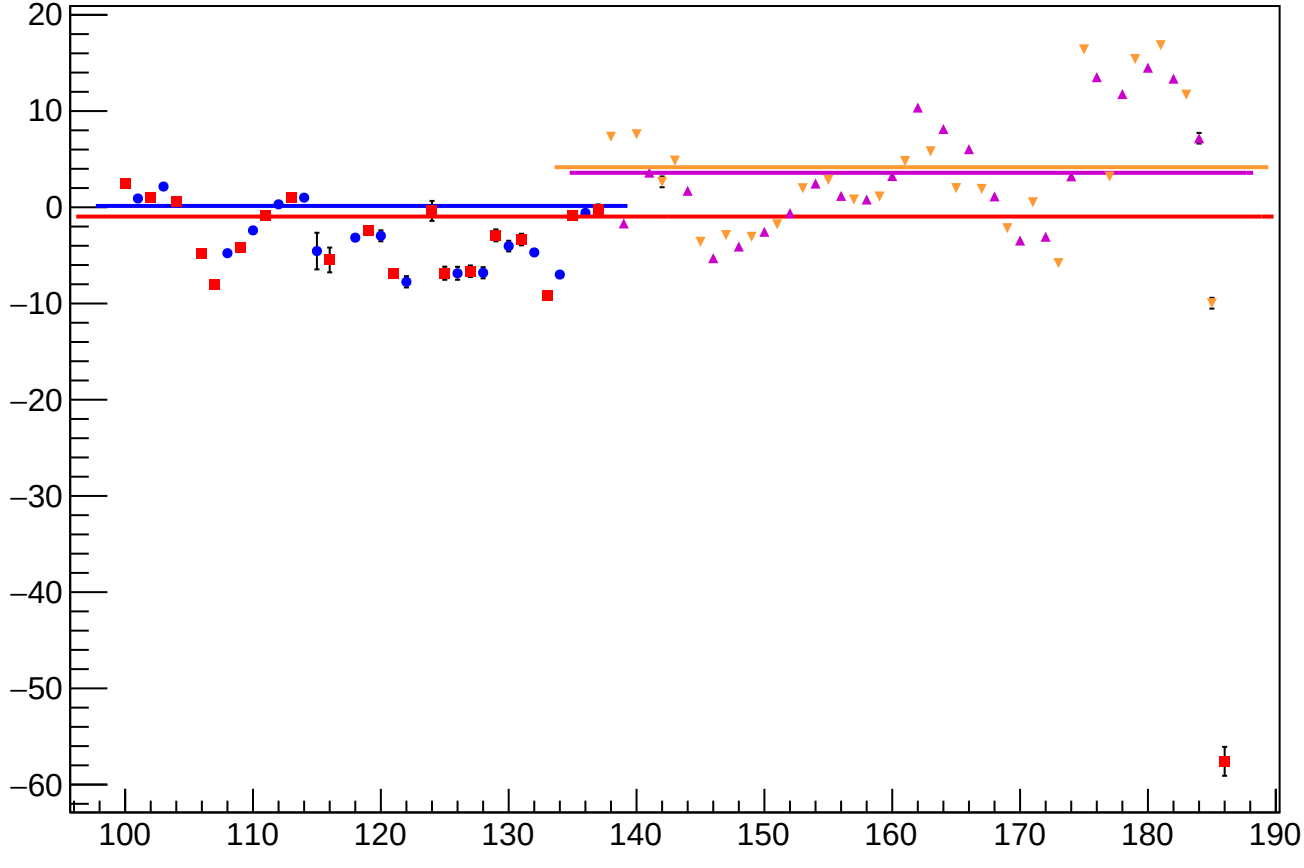
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -8.363+/-0.040 χ^2/NDF: 28387.9/35

In: -3.586+/-0.041 χ^2/NDF:33479.1/38

Out: -3.036+/-0.040 χ^2/NDF:33950.0/44

All: -3.306+/-0.028 χ^2/NDF: 67522.7/83



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

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

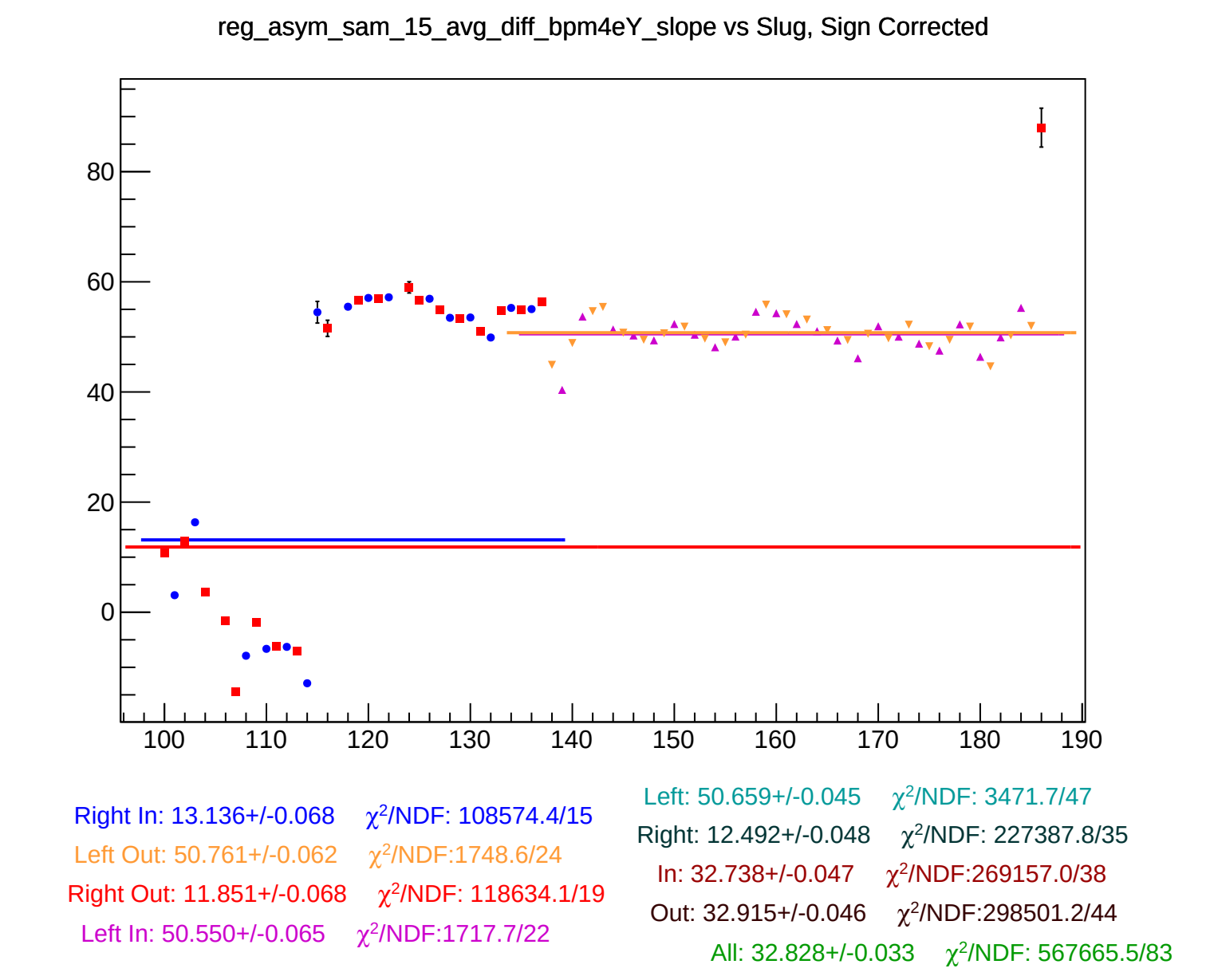
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.404+/-0.038 χ^2/NDF: 6581.1/35

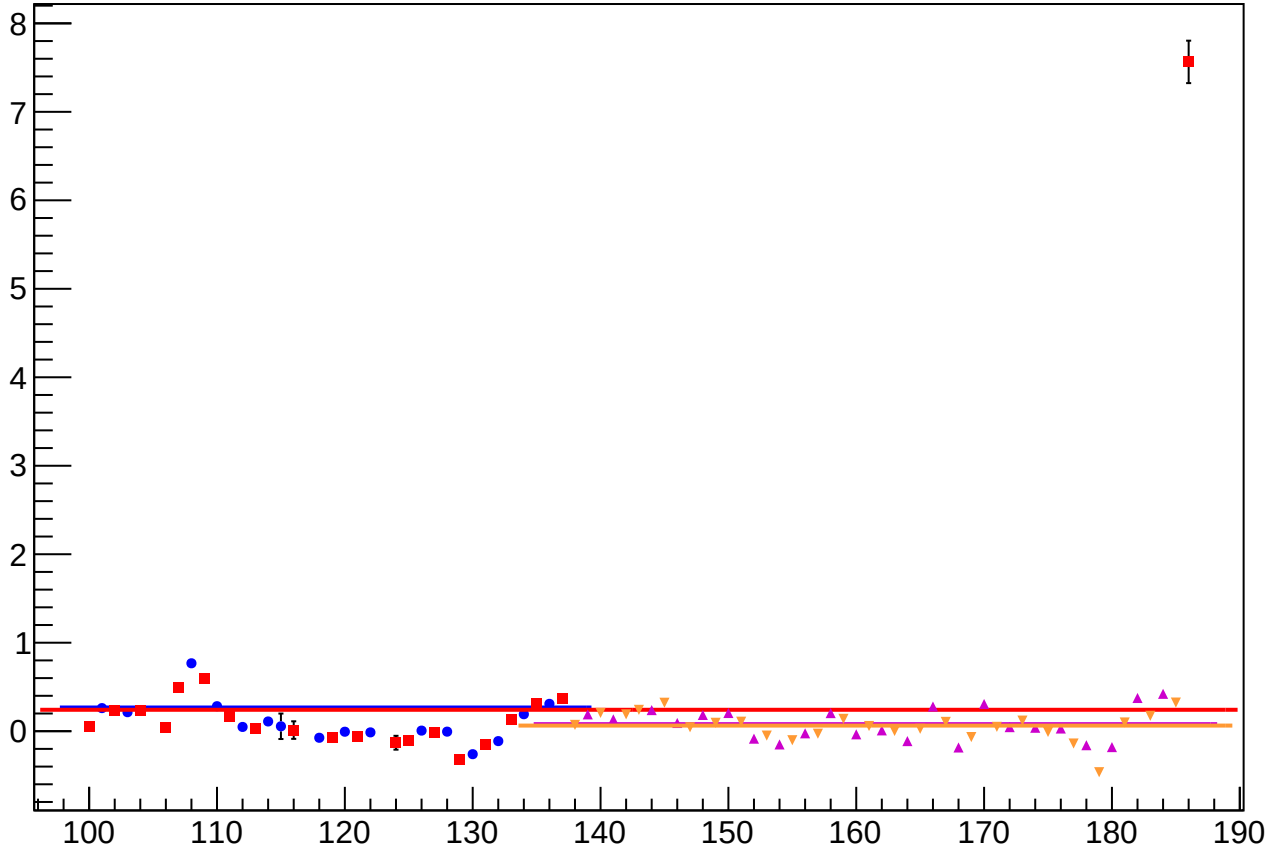
In: 1.308+/-0.043 χ^2/NDF:10620.7/38

Out: 0.862+/-0.043 χ^2/NDF:16913.8/44

All: 1.085+/-0.030 χ^2/NDF: 27588.3/83


reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
110
120
130
140
150
160
170
180
190
Right In: 13.136+/-0.068 χ²/NDF: 108574.4/15
Left Out: 50.761+/-0.062 χ²/NDF:1748.6/24
Right Out: 11.851+/-0.068 χ²/NDF: 118634.1/19
Left In: 50.550+/-0.065 χ²/NDF:1717.7/22
Left: 50.659+/-0.045 χ²/NDF: 3471.7/47
Right: 12.492+/-0.048 χ²/NDF: 227387.8/35
In: 32.738+/-0.047 χ²/NDF:269157.0/38
Out: 32.915+/-0.046 χ²/NDF:298501.2/44
All: 32.828+/-0.033 χ²/NDF: 567665.5/83

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.063+/-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

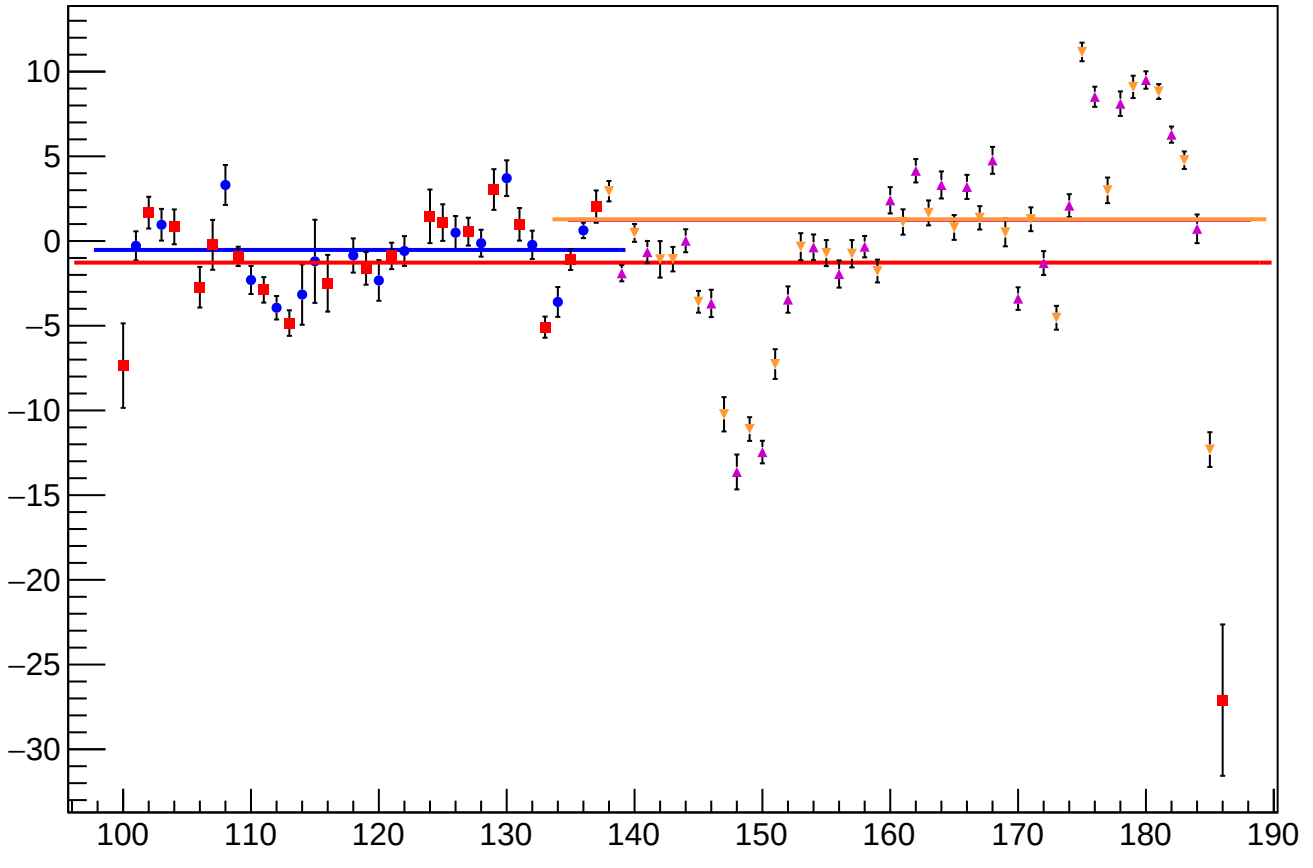
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.255+/-0.002 χ^2/NDF: 7034.4/35

In: 0.175+/-0.002 χ^2/NDF:9403.9/38

Out: 0.154+/-0.002 χ^2/NDF:7917.4/44

All: 0.164+/-0.001 χ^2/NDF: 17376.7/83



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

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

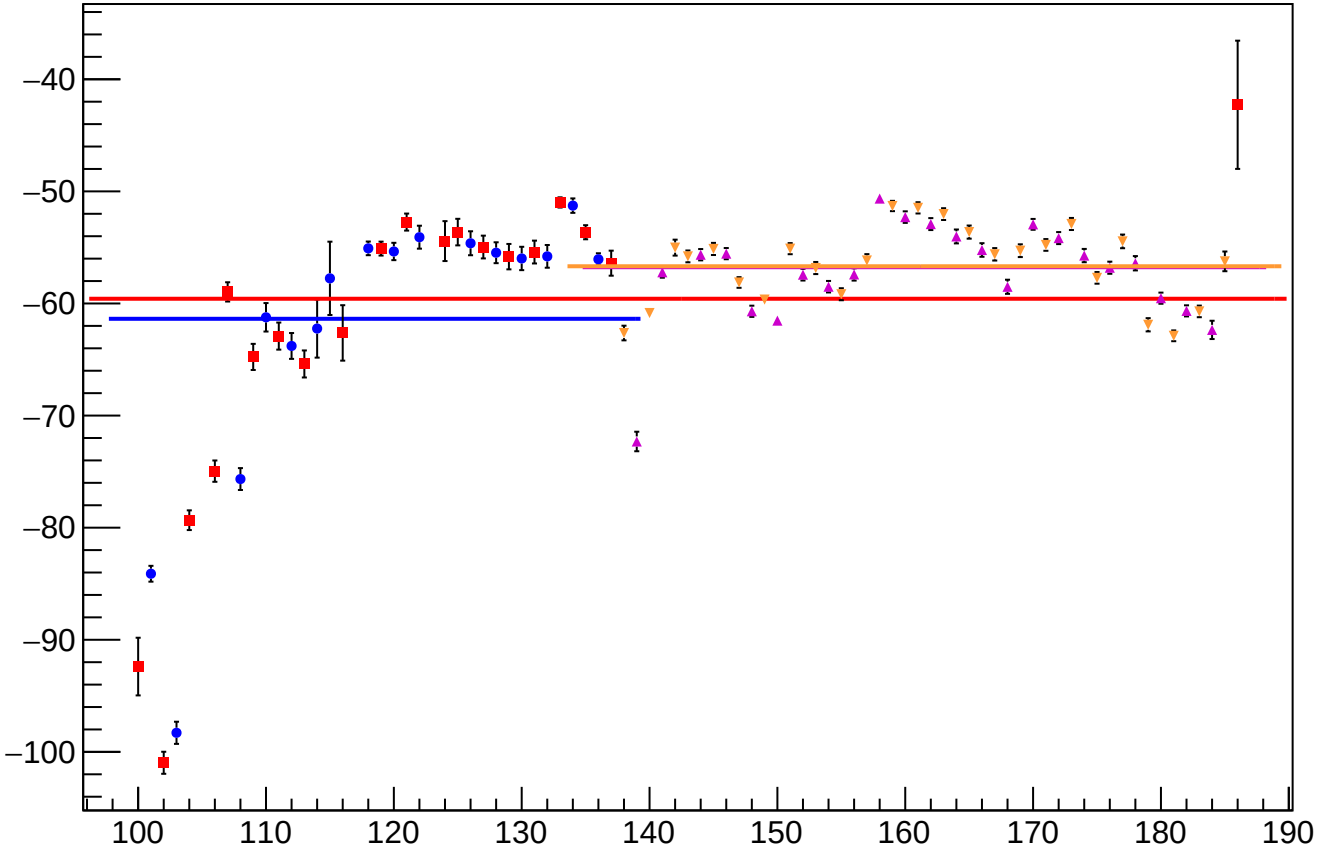
Right: -0.923+/-0.149 χ^2/NDF: 253.4/35

In: 0.724+/-0.118 χ^2/NDF:1642.1/38

Out: 0.490+/-0.114 χ^2/NDF:1988.1/44

All: 0.603+/-0.082 χ^2/NDF: 3632.3/83

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

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

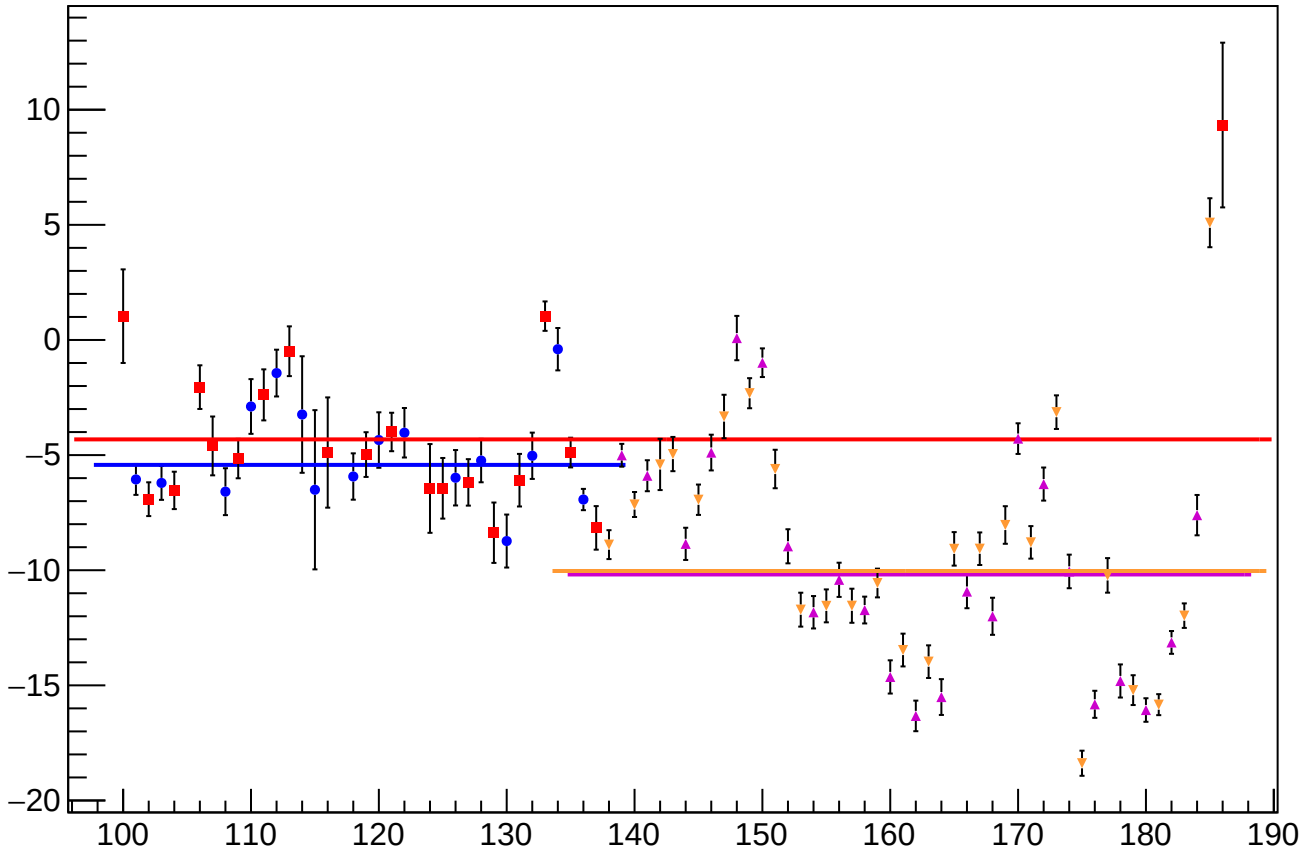
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -60.420+/-0.150 χ^2/NDF: 6817.0/35

In: -57.719+/-0.100 χ^2/NDF:4810.1/38

Out: -57.296+/-0.095 χ^2/NDF:4600.1/44

All: -57.497+/-0.069 χ^2/NDF: 9419.6/83



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

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

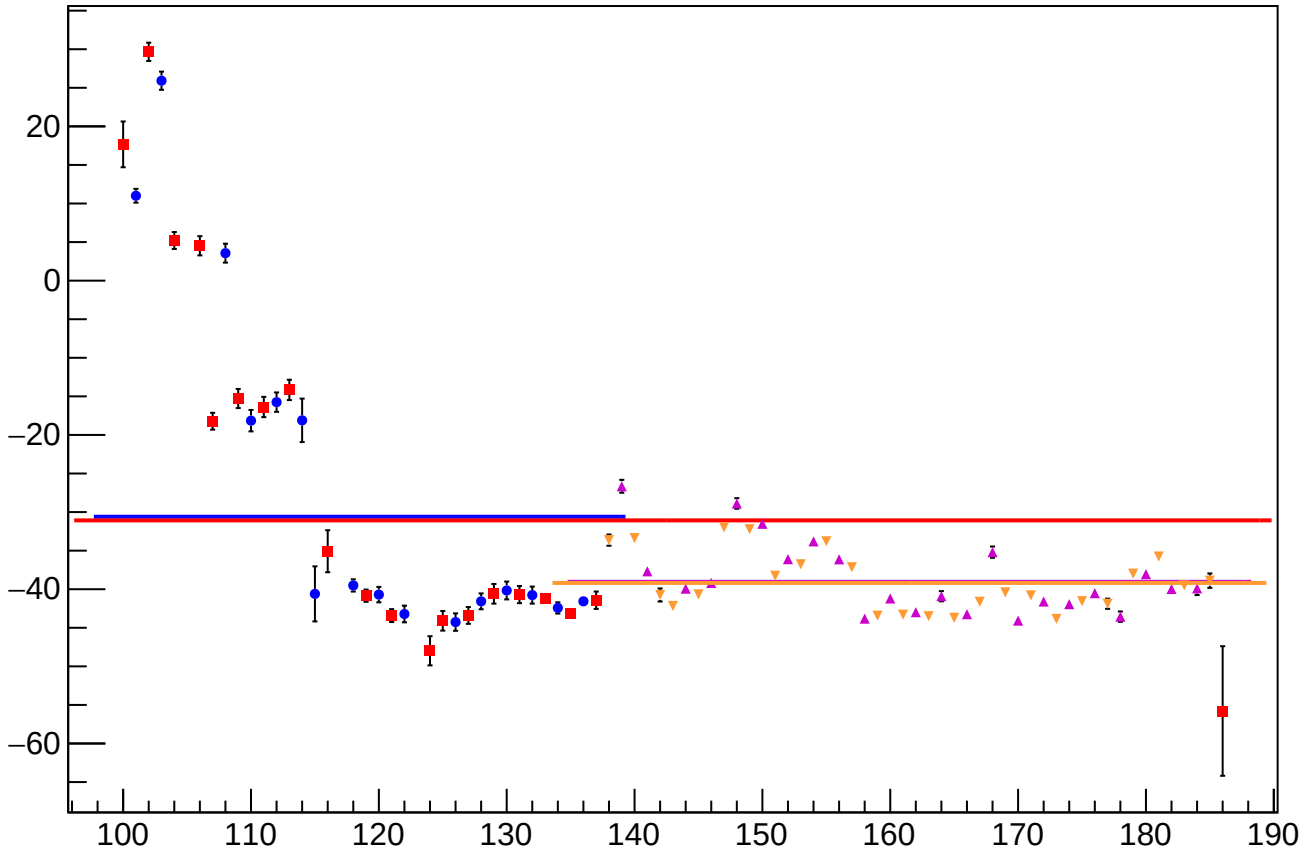
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -4.852+/-0.160 χ^2/NDF: 259.2/35

In: -8.909+/-0.119 χ^2/NDF:1532.1/38

Out: -8.471+/-0.116 χ^2/NDF:1835.0/44

All: -8.685+/-0.083 χ^2/NDF: 3374.0/83



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

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

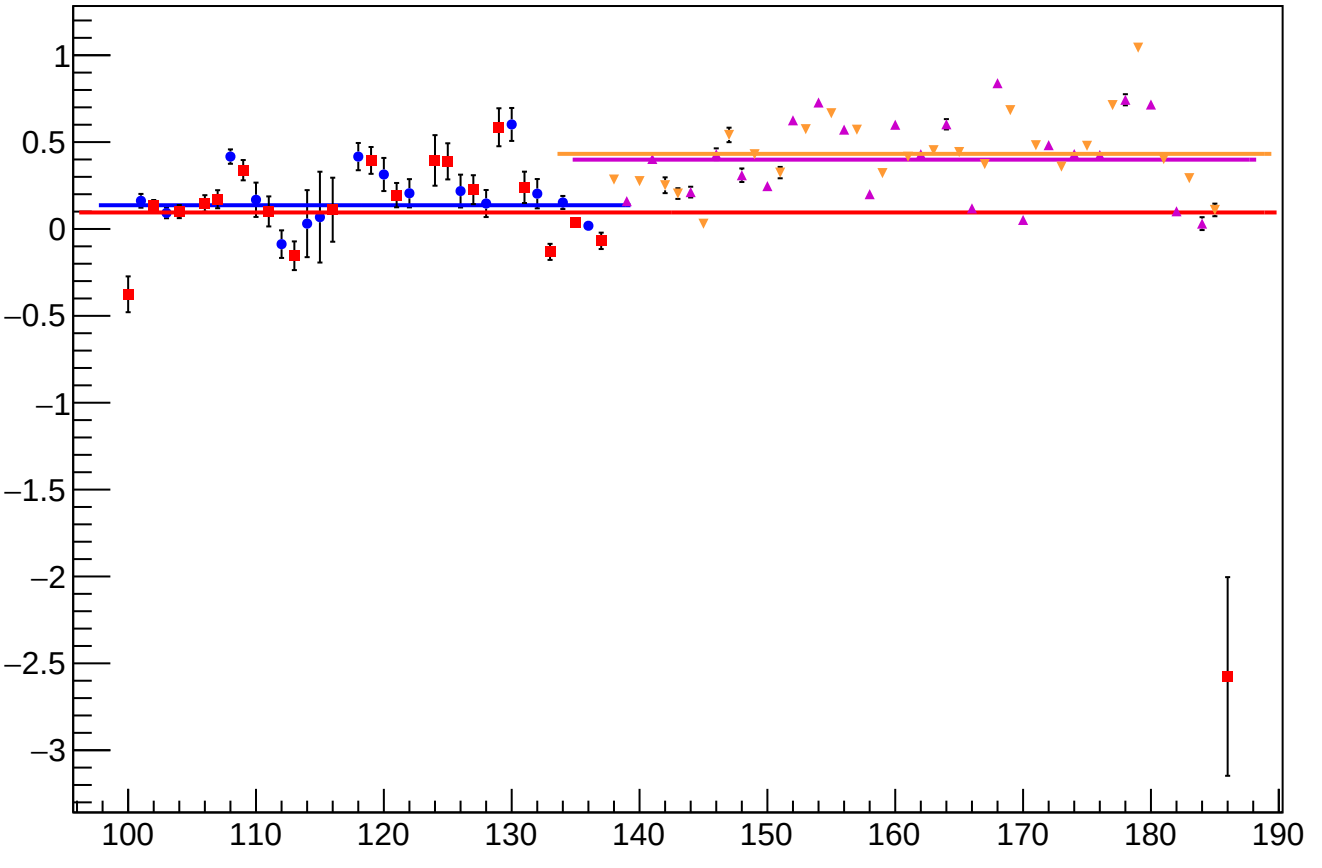
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -30.852+/-0.172 χ^2/NDF: 13925.0/35

In: -37.366+/-0.111 χ^2/NDF:9081.7/38

Out: -37.536+/-0.107 χ^2/NDF:8946.4/44

All: -37.454+/-0.077 χ^2/NDF: 18029.3/83



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

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

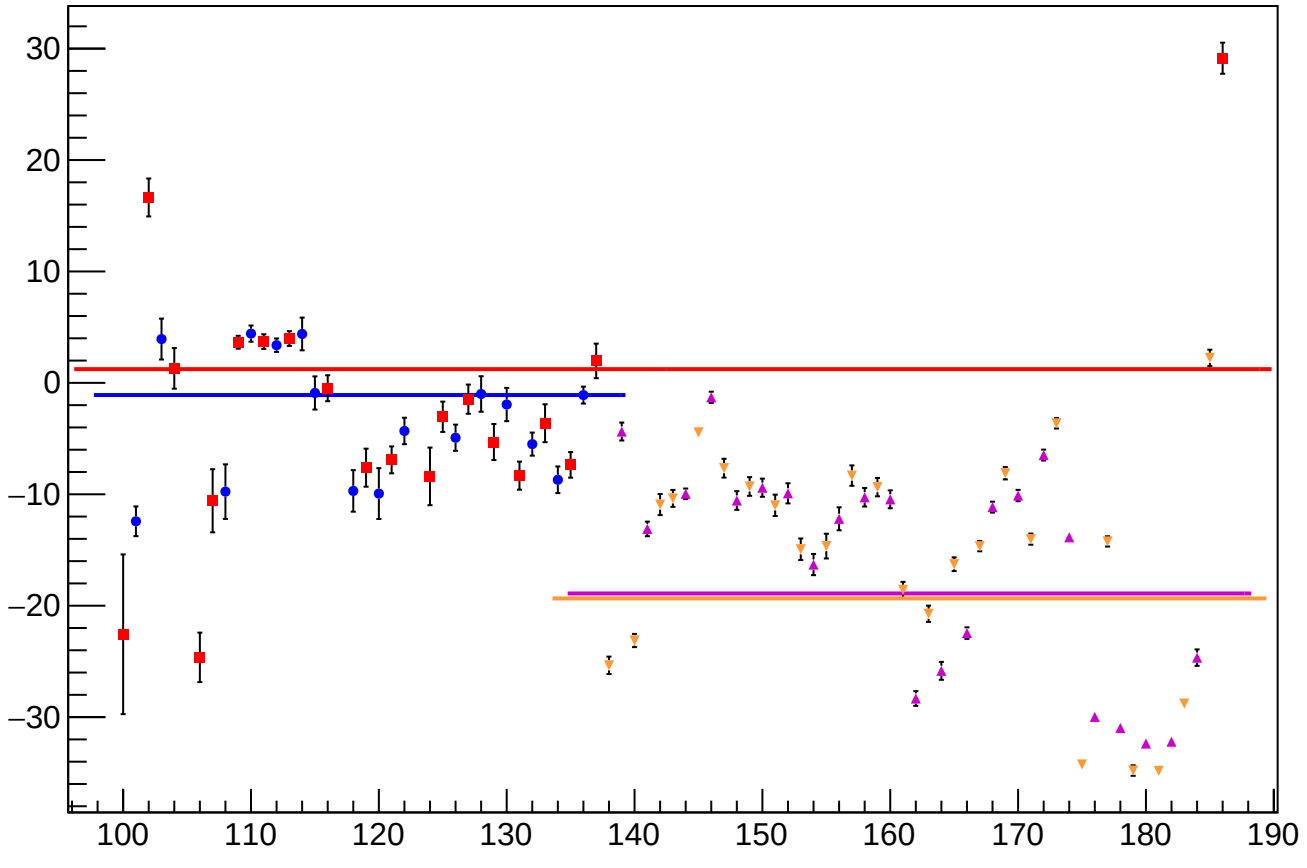
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.116+/-0.009 χ^2/NDF: 304.4/35

In: 0.358+/-0.005 χ^2/NDF:2425.2/38

Out: 0.380+/-0.005 χ^2/NDF:2168.9/44

All: 0.369+/-0.003 χ^2/NDF: 4603.6/83



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

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

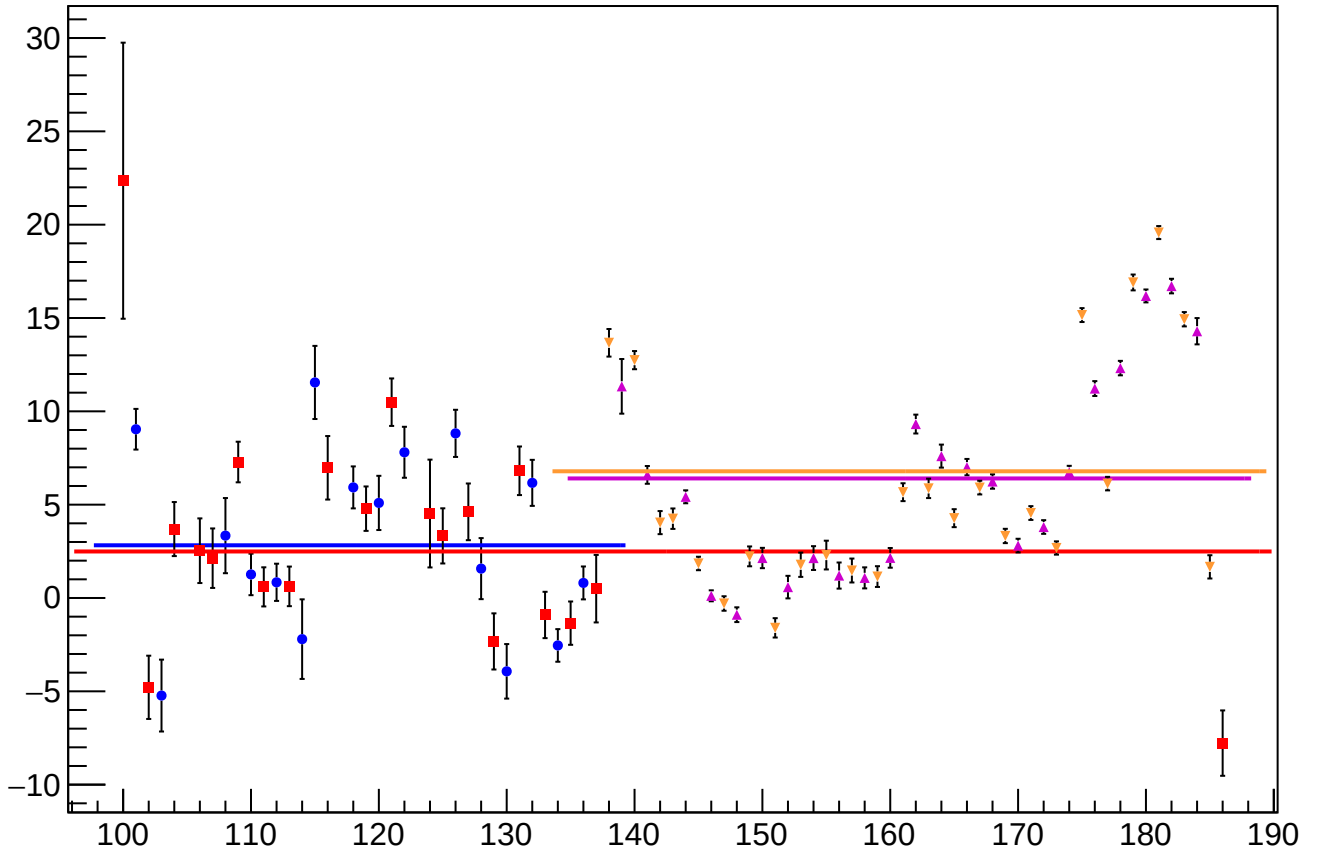
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

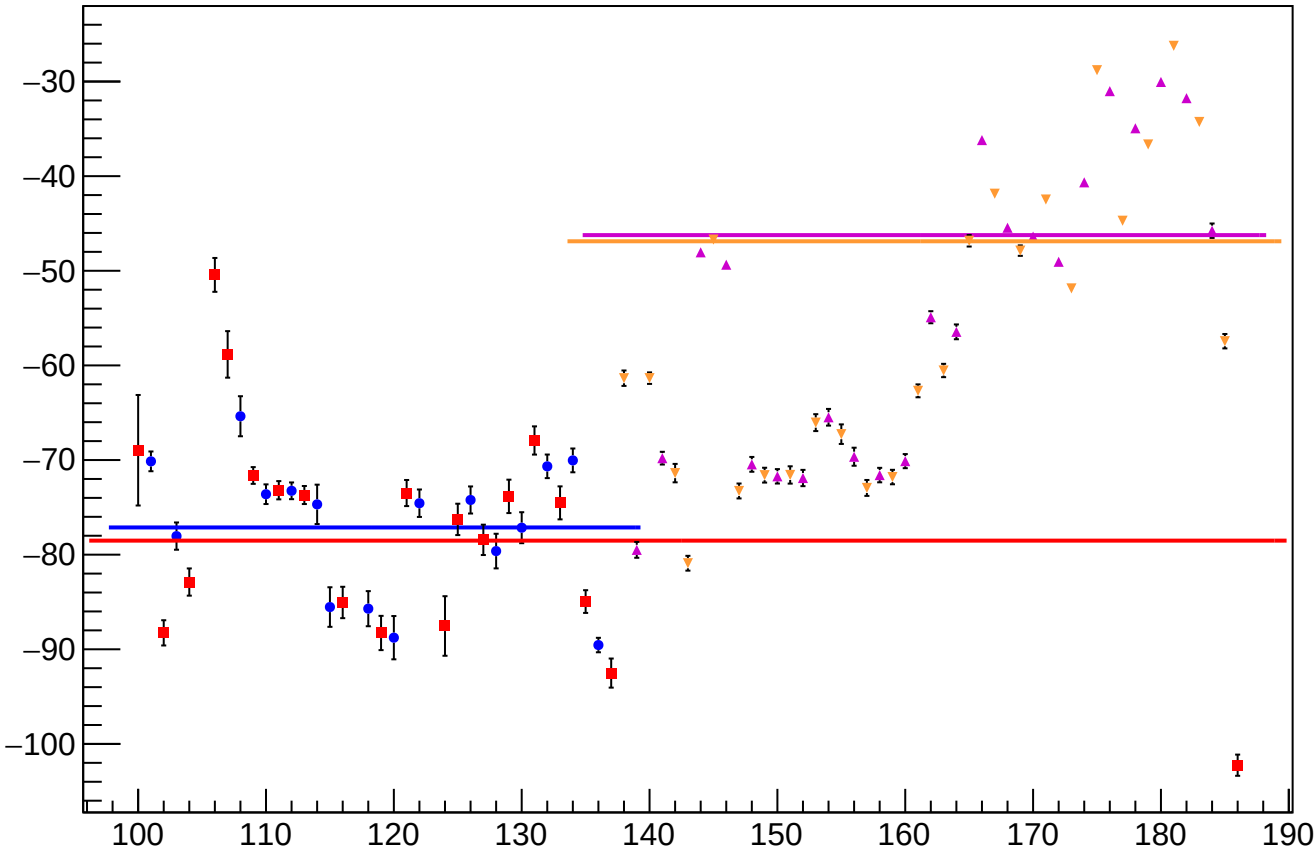
Right: 0.152+/-0.191 χ^2/NDF: 1304.0/35

In: -16.297+/-0.107 χ^2/NDF:12057.9/38

Out: -16.091+/-0.104 χ^2/NDF:16544.4/44

All: -16.191+/-0.075 χ^2/NDF: 28604.2/83


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
190
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.492+/-0.317 χ²/NDF: 180.5/19
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 2.660+/-0.223 χ²/NDF: 380.6/35
In: 6.125+/-0.088 χ²/NDF:3730.4/38
Out: 6.467+/-0.087 χ²/NDF:4983.0/44
All: 6.297+/-0.062 χ²/NDF: 8721.0/83



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

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

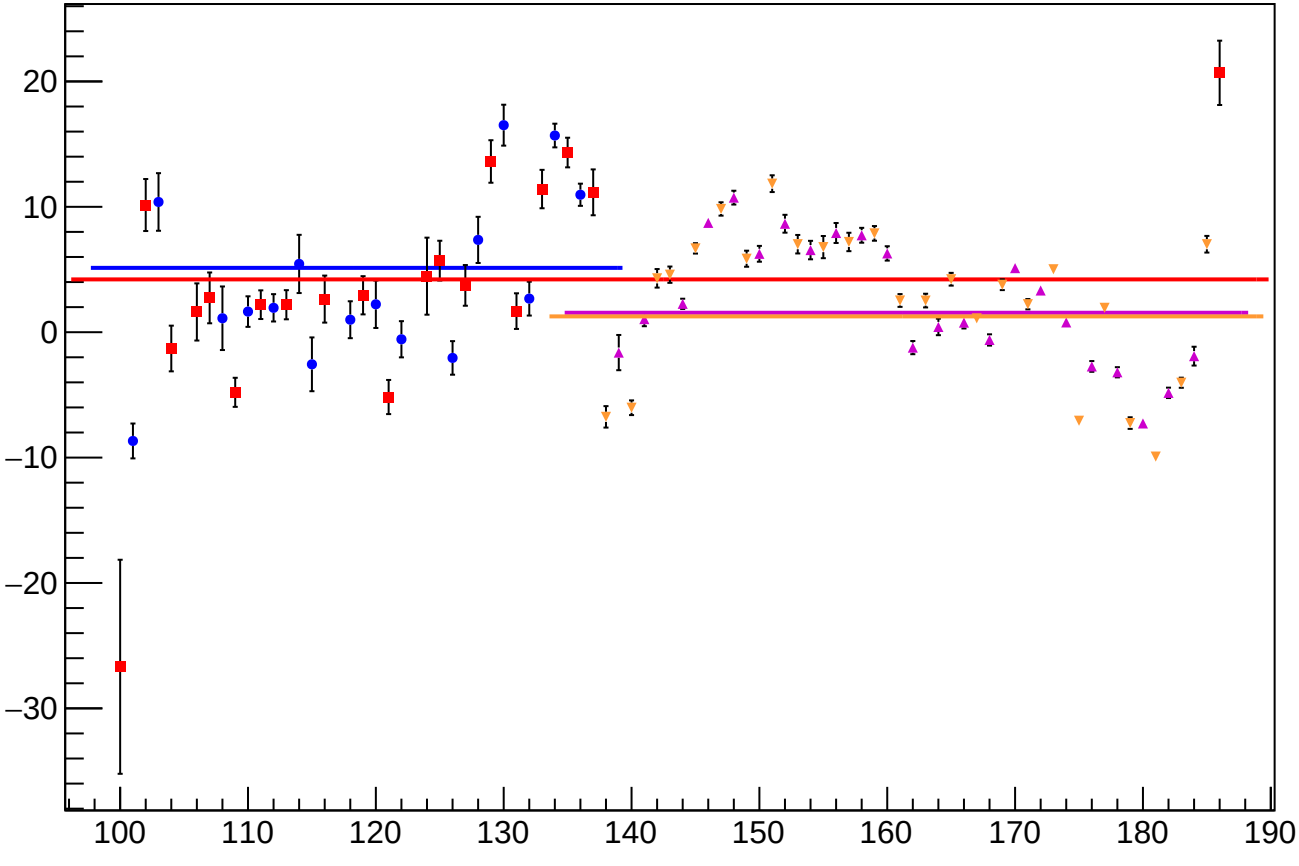
Right: -77.844+/-0.227 χ^2/NDF: 1696.2/35

In: -49.712+/-0.110 χ^2/NDF:23626.6/38

Out: -50.536+/-0.107 χ^2/NDF:28066.8/44

All: -50.133+/-0.077 χ^2/NDF: 51722.4/83

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

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

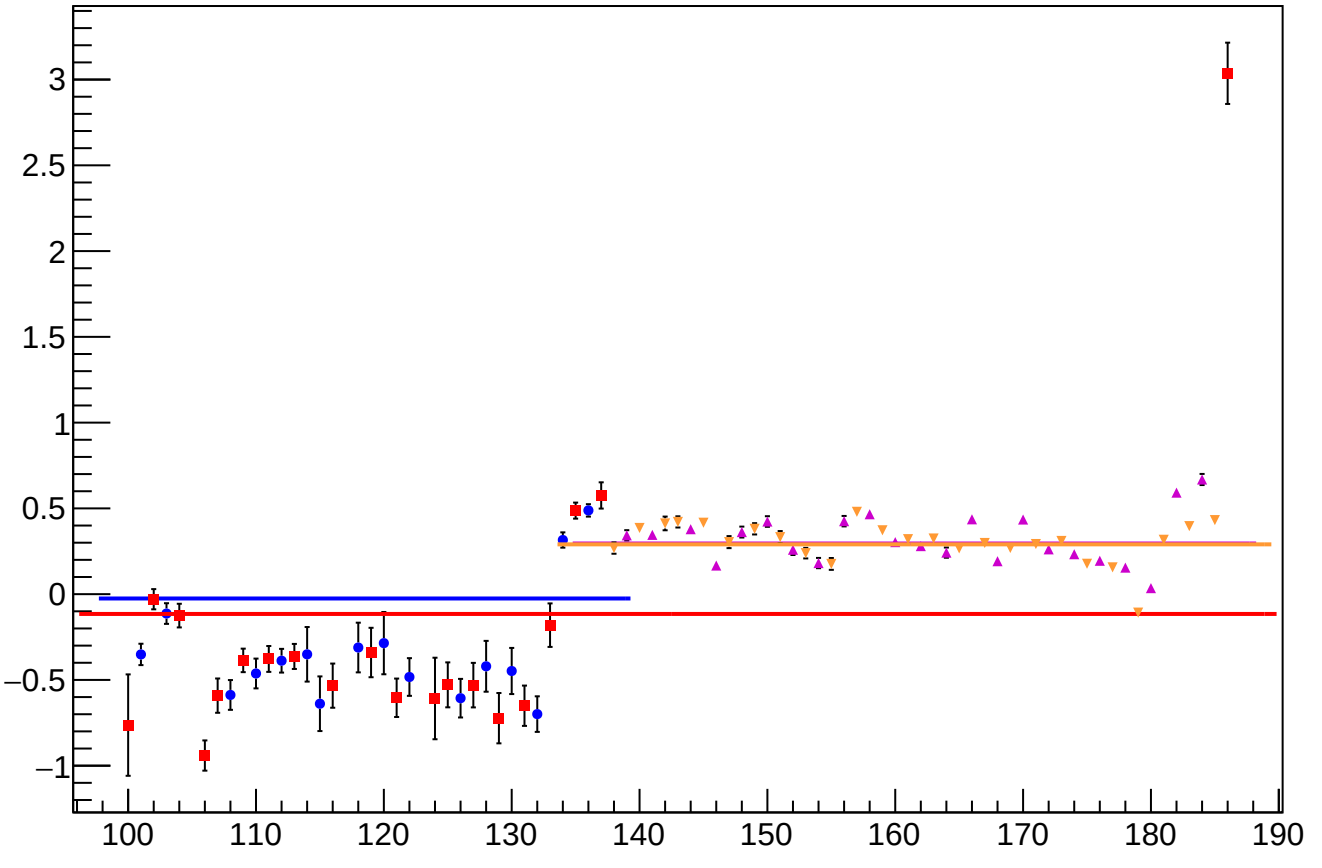
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.683+/-0.250 χ^2/NDF: 749.3/35

In: 1.832+/-0.098 χ^2/NDF:2844.6/38

Out: 1.477+/-0.097 χ^2/NDF:3842.2/44

All: 1.652+/-0.069 χ^2/NDF: 6693.5/83



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

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

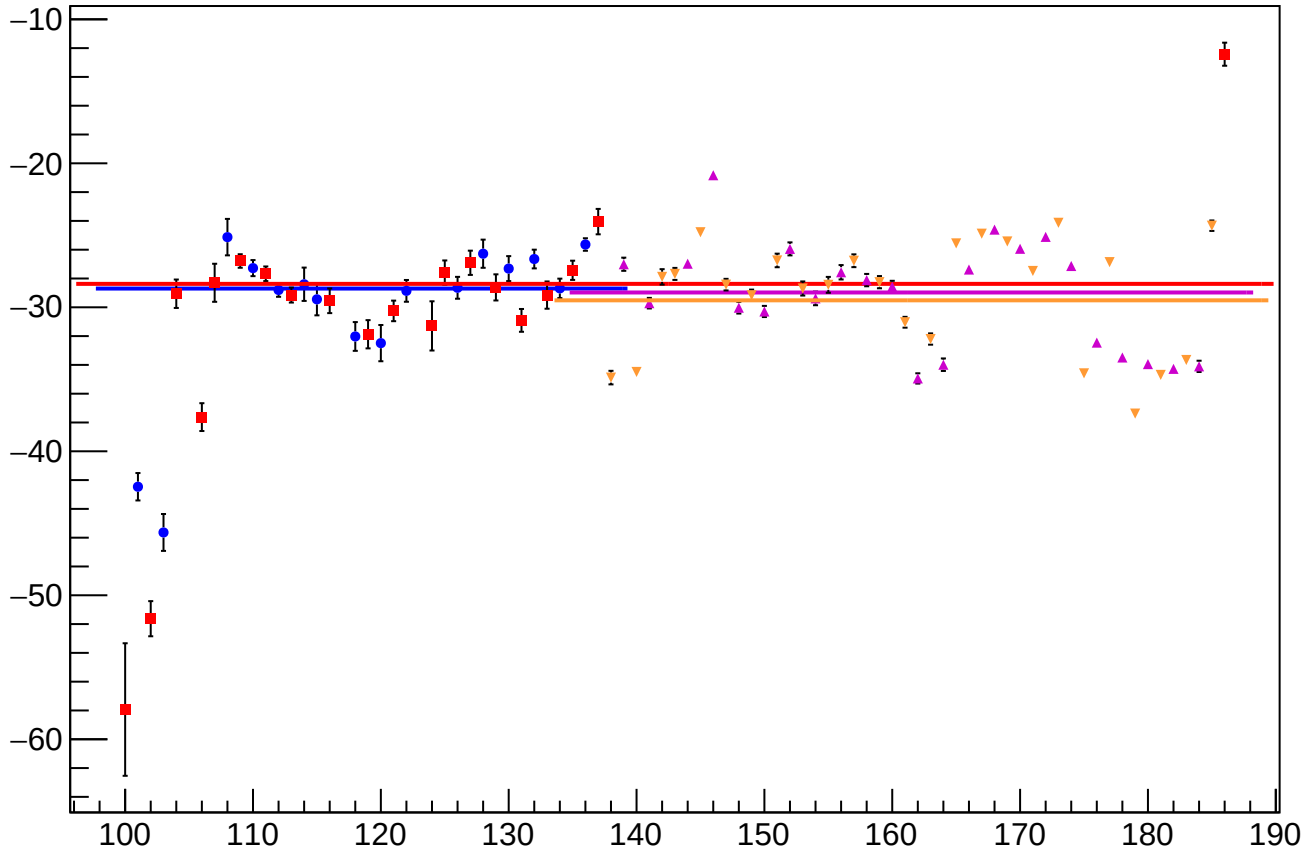
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.068+/-0.014 χ^2/NDF: 1333.3/35

In: 0.278+/-0.004 χ^2/NDF:1818.6/38

Out: 0.271+/-0.004 χ^2/NDF:1918.3/44

All: 0.274+/-0.003 χ^2/NDF: 3737.9/83



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

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

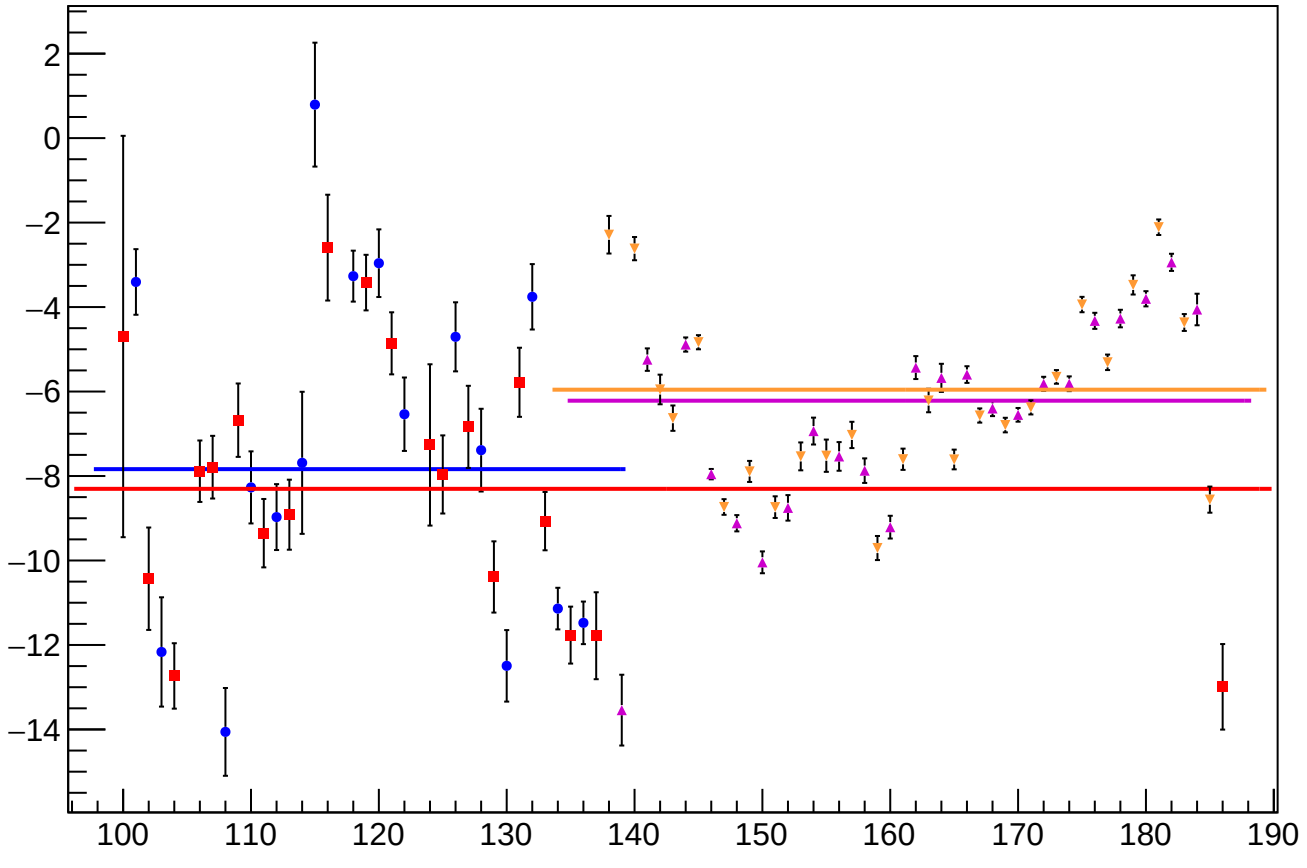
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.527+/-0.128 χ^2/NDF: 1462.9/35

In: -28.947+/-0.054 χ^2/NDF:5837.8/38

Out: -29.411+/-0.054 χ^2/NDF:7100.4/44

All: -29.183+/-0.038 χ^2/NDF: 12975.0/83



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

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

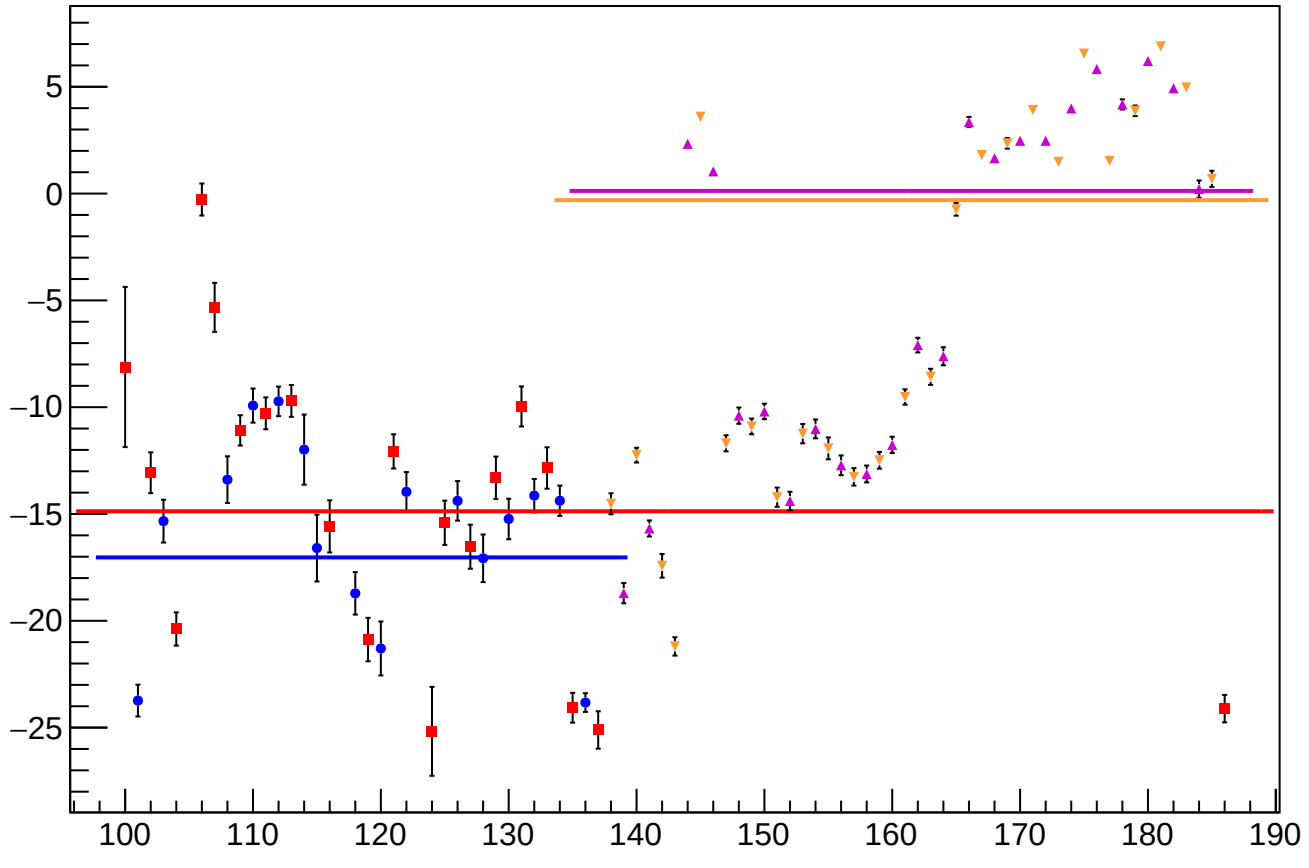
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -8.073+/-0.137 χ^2/NDF: 605.7/35

In: -6.296+/-0.043 χ^2/NDF:2190.7/38

Out: -6.074+/-0.043 χ^2/NDF:2217.8/44

All: -6.186+/-0.031 χ^2/NDF: 4421.6/83



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

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

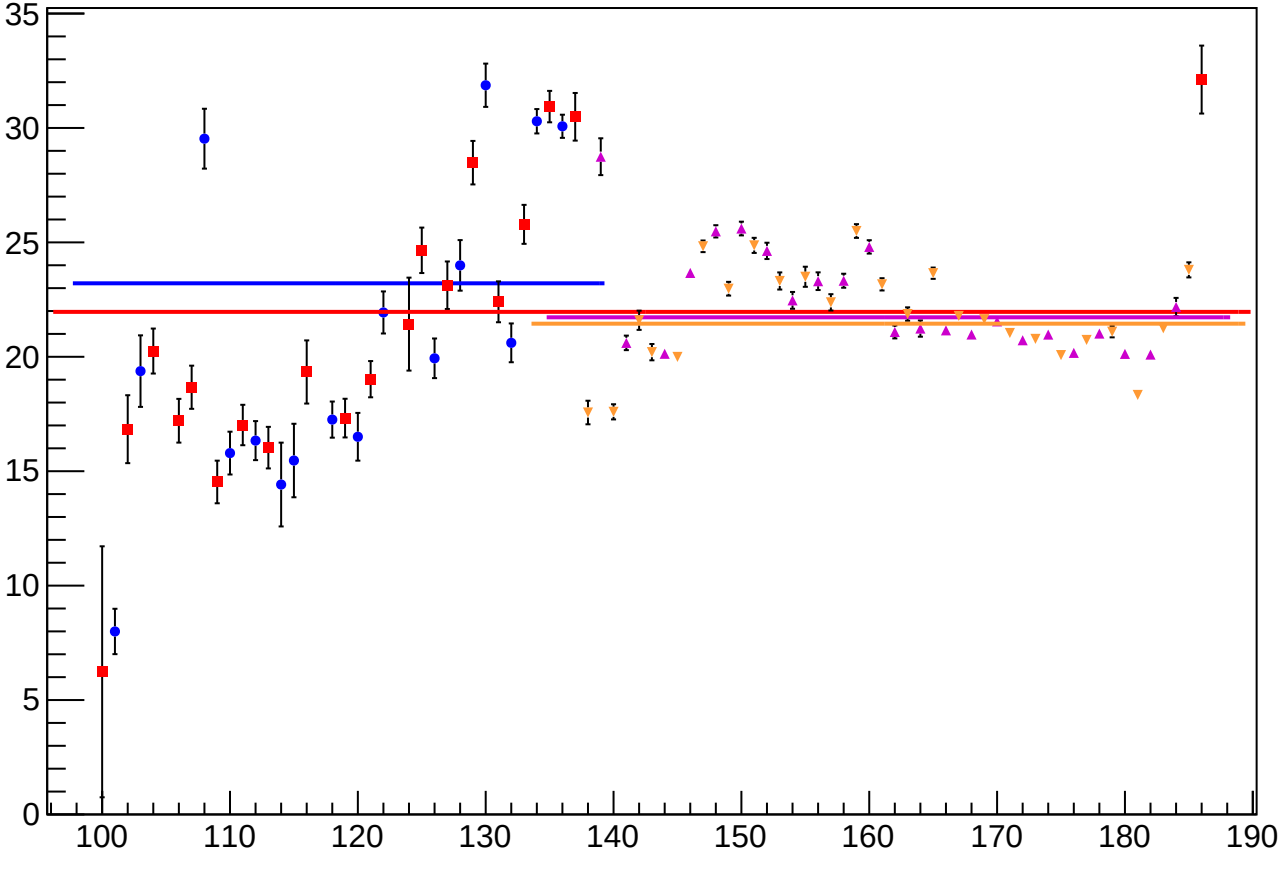
Right: -15.898+/-0.144 χ^2/NDF: 1903.4/35

In: -1.059+/-0.055 χ^2/NDF:20692.1/38

Out: -1.395+/-0.054 χ^2/NDF:23385.0/44

All: -1.229+/-0.039 χ^2/NDF: 44095.9/83

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.963+/-0.222 χ^2/NDF: 606.0/19

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

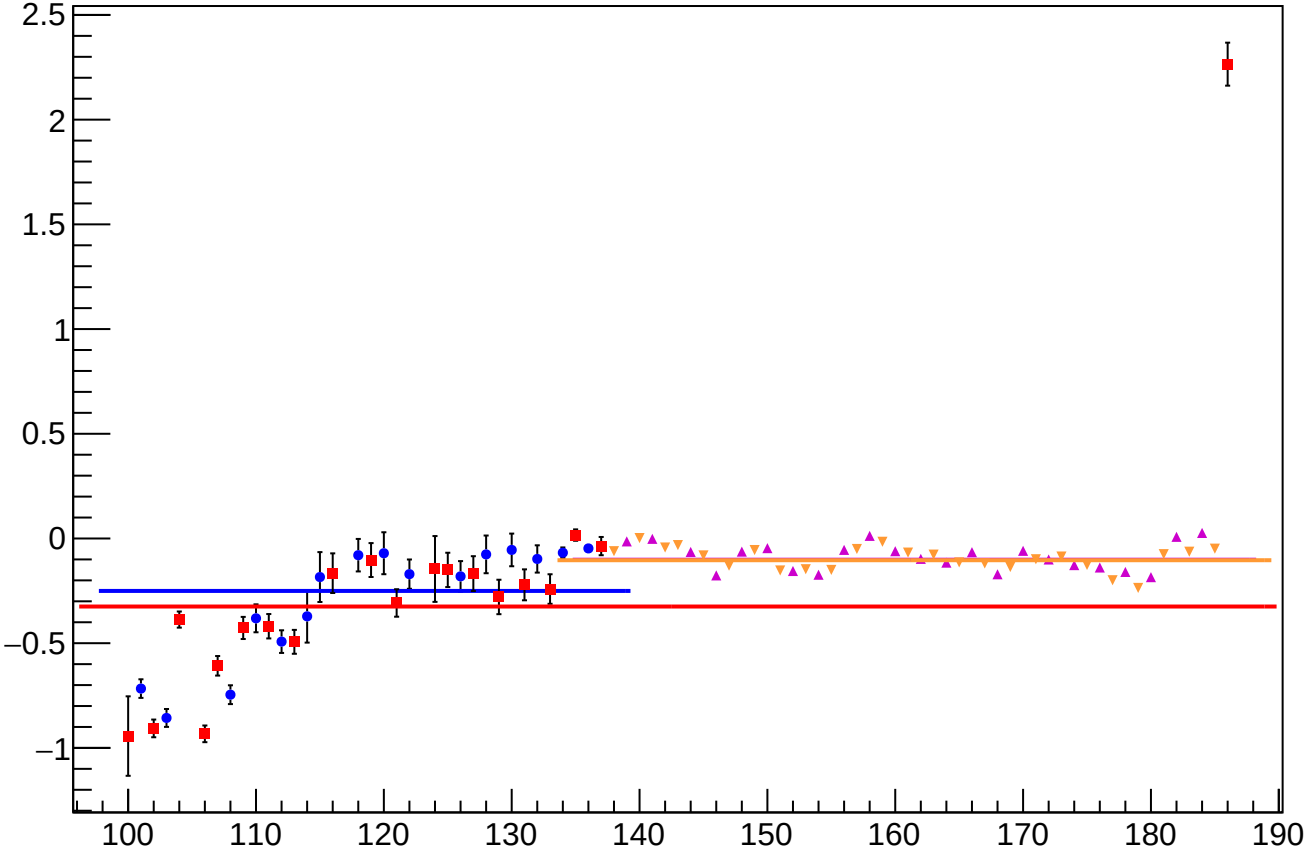
Right: 22.598+/-0.156 χ^2/NDF: 1630.3/35

In: 21.798+/-0.048 χ^2/NDF:2226.1/38

Out: 21.471+/-0.048 χ^2/NDF:1936.4/44

All: 21.635+/-0.034 χ^2/NDF: 4185.3/83

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.325+/-0.012 χ^2/NDF: 1350.2/19

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

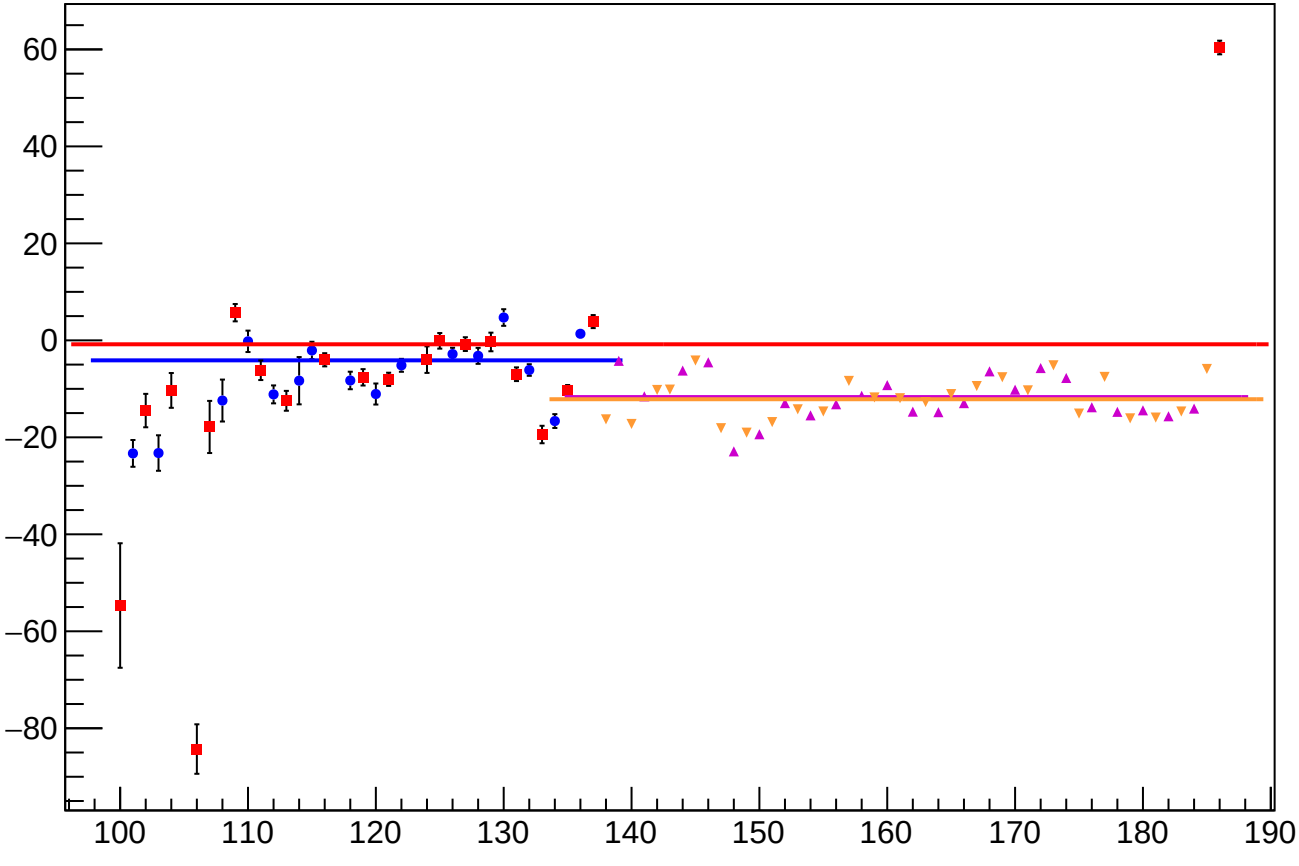
Right: -0.286+/-0.008 χ^2/NDF: 2003.1/35

In: -0.107+/-0.002 χ^2/NDF:1548.9/38

Out: -0.111+/-0.002 χ^2/NDF:2212.8/44

All: -0.109+/-0.002 χ^2/NDF: 3763.5/83

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -0.811+/-0.392 χ^2/NDF: 2524.7/19

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

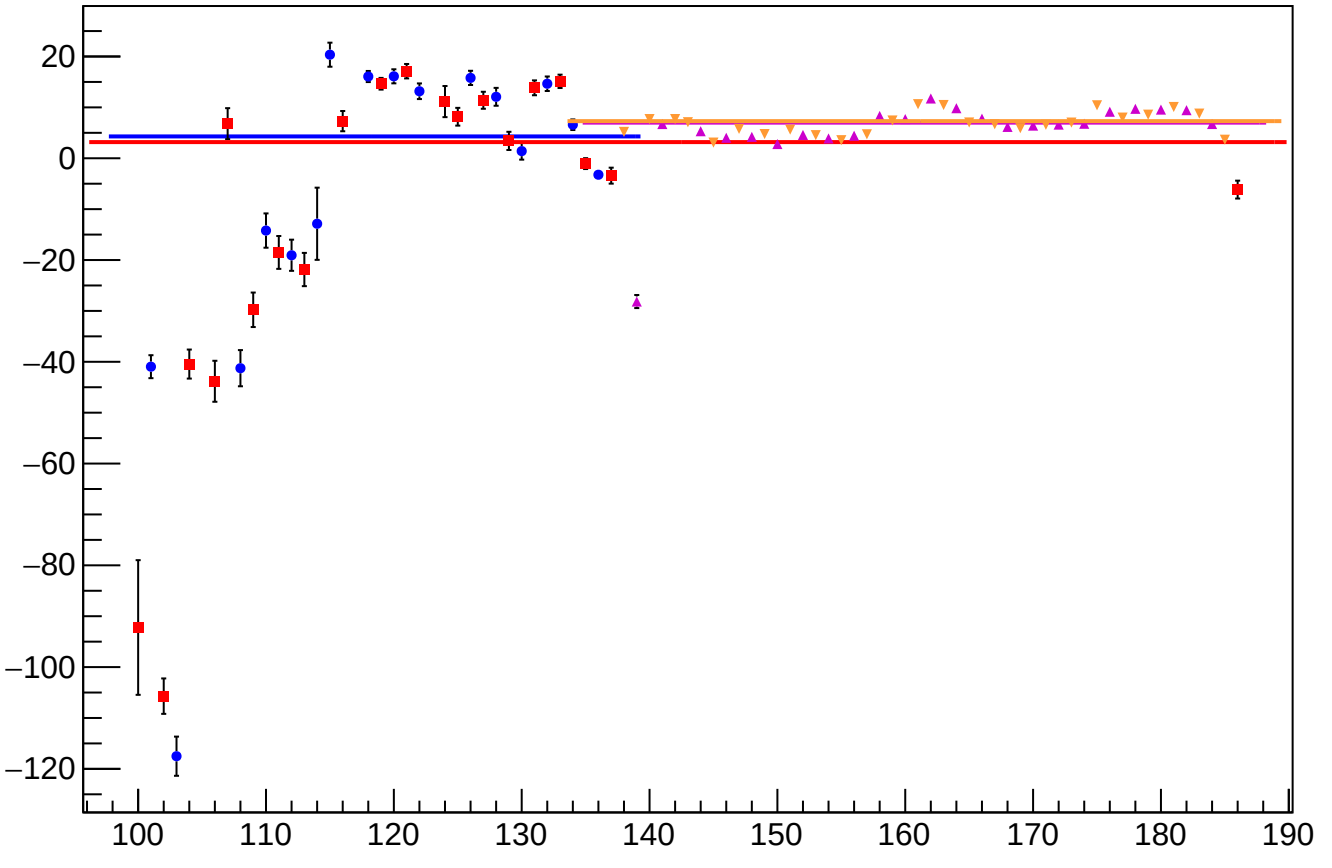
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -2.510+/-0.273 χ^2/NDF: 2849.3/35

In: -11.263+/-0.092 χ^2/NDF:2610.0/38

Out: -11.556+/-0.089 χ^2/NDF:5448.8/44

All: -11.413+/-0.064 χ^2/NDF: 8064.1/83



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

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

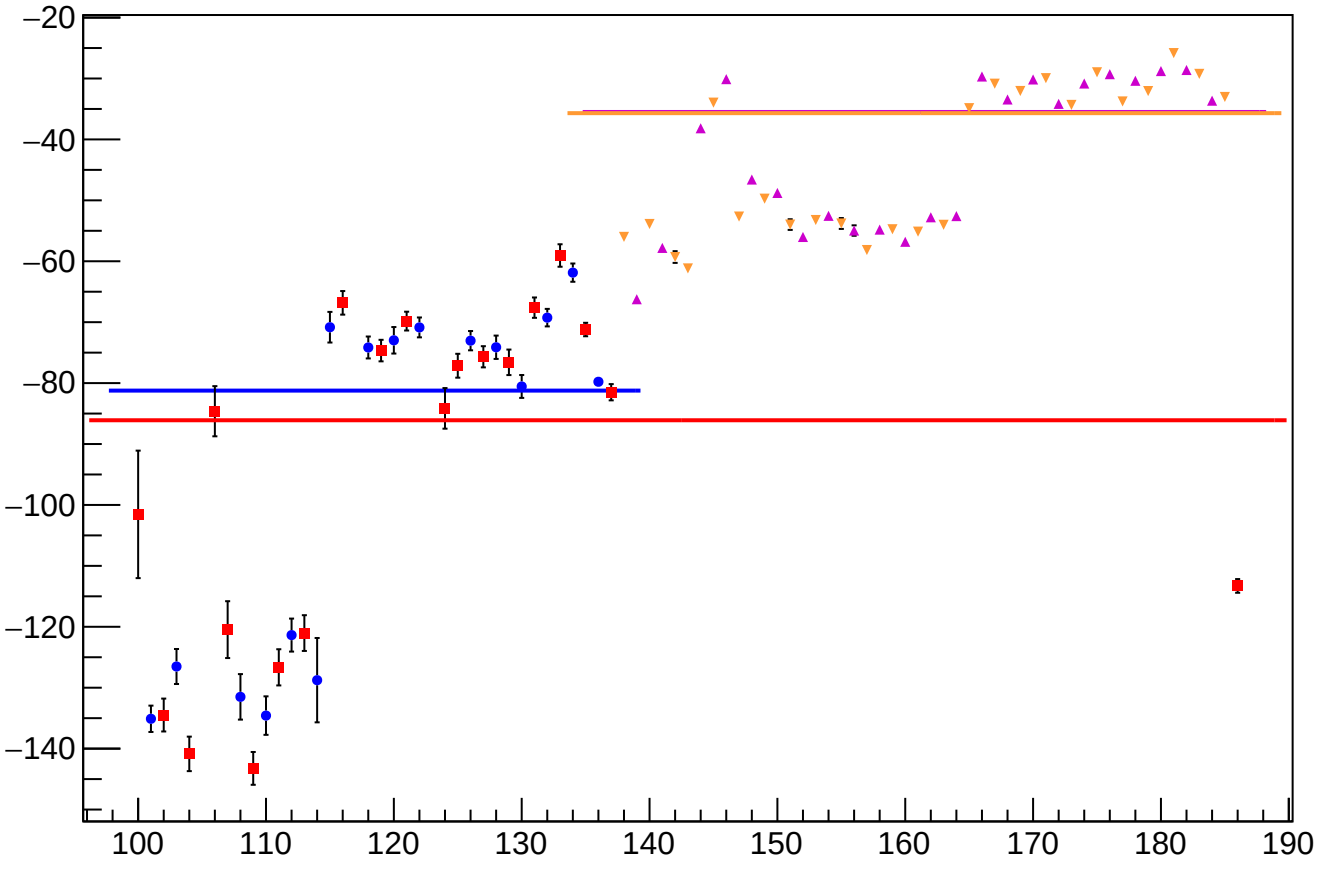
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 3.771+/-0.281 χ^2/NDF: 4210.1/35

In: 6.903+/-0.075 χ^2/NDF:3792.9/38

Out: 7.164+/-0.074 χ^2/NDF:2957.3/44

All: 7.035+/-0.052 χ^2/NDF: 6756.3/83



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

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

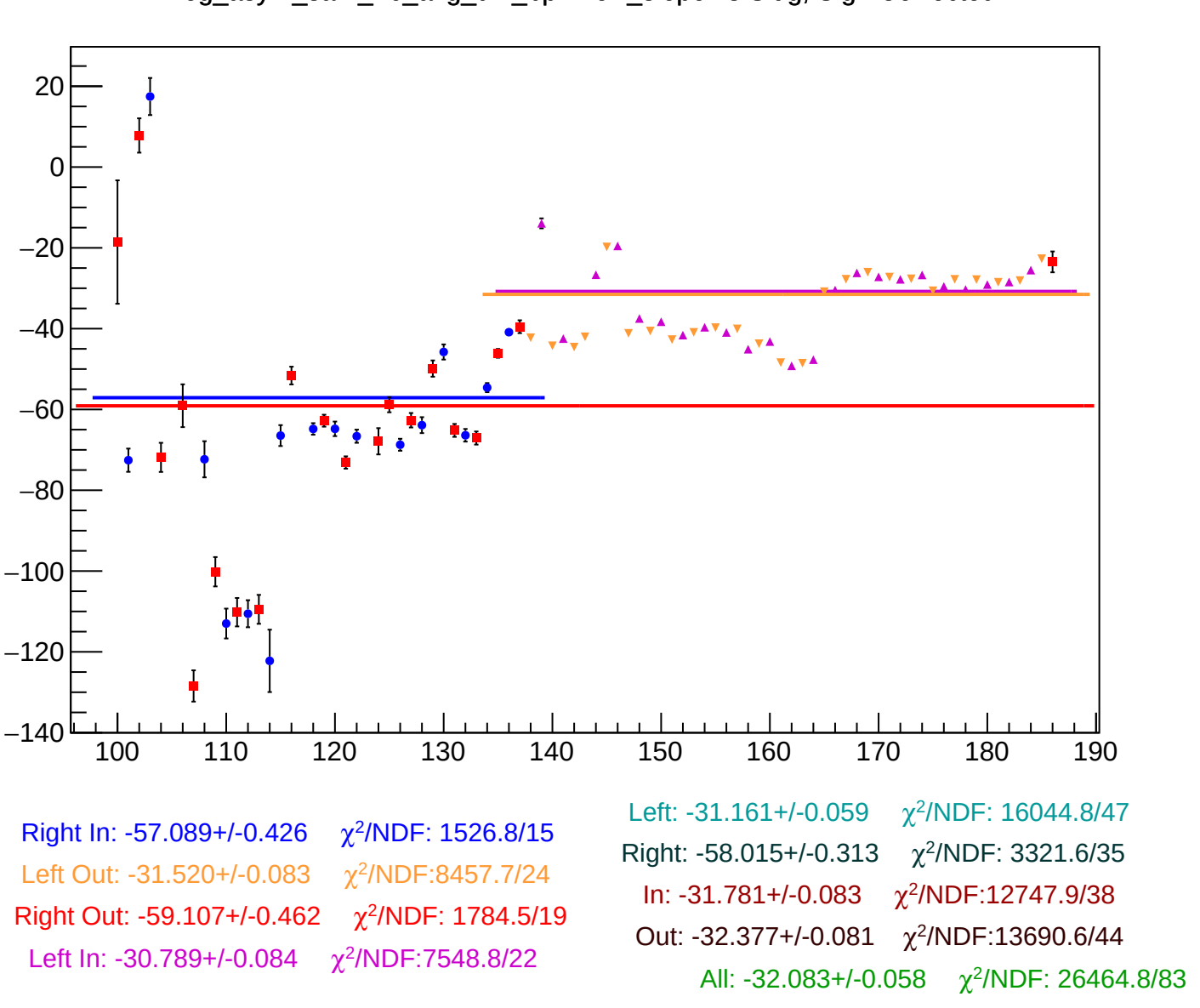
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

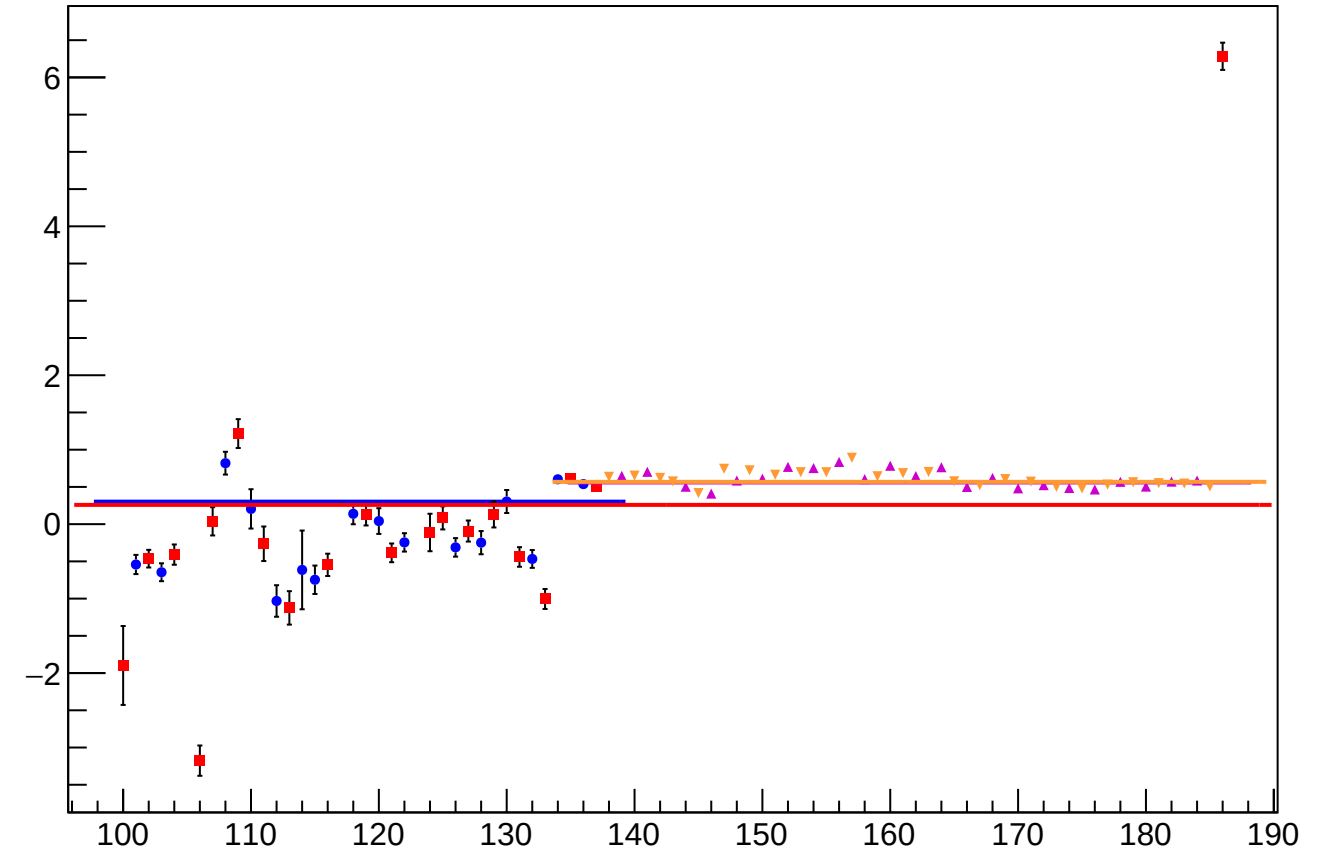
Right: -83.606+/-0.298 χ^2/NDF: 5013.3/35

In: -37.736+/-0.092 χ^2/NDF:24581.7/38

Out: -37.937+/-0.090 χ^2/NDF:29066.5/44

All: -37.839+/-0.064 χ^2/NDF: 53650.6/83


reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: -57.089+/-0.426 χ²/NDF: 1526.8/15
Left Out: -31.520+/-0.083 χ²/NDF:8457.7/24
Right Out: -59.107+/-0.462 χ²/NDF: 1784.5/19
Left In: -30.789+/-0.084 χ²/NDF:7548.8/22
Left: -31.161+/-0.059 χ²/NDF: 16044.8/47
Right: -58.015+/-0.313 χ²/NDF: 3321.6/35
In: -31.781+/-0.083 χ²/NDF:12747.9/38
Out: -32.377+/-0.081 χ²/NDF:13690.6/44
All: -32.083+/-0.058 χ²/NDF: 26464.8/83



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

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

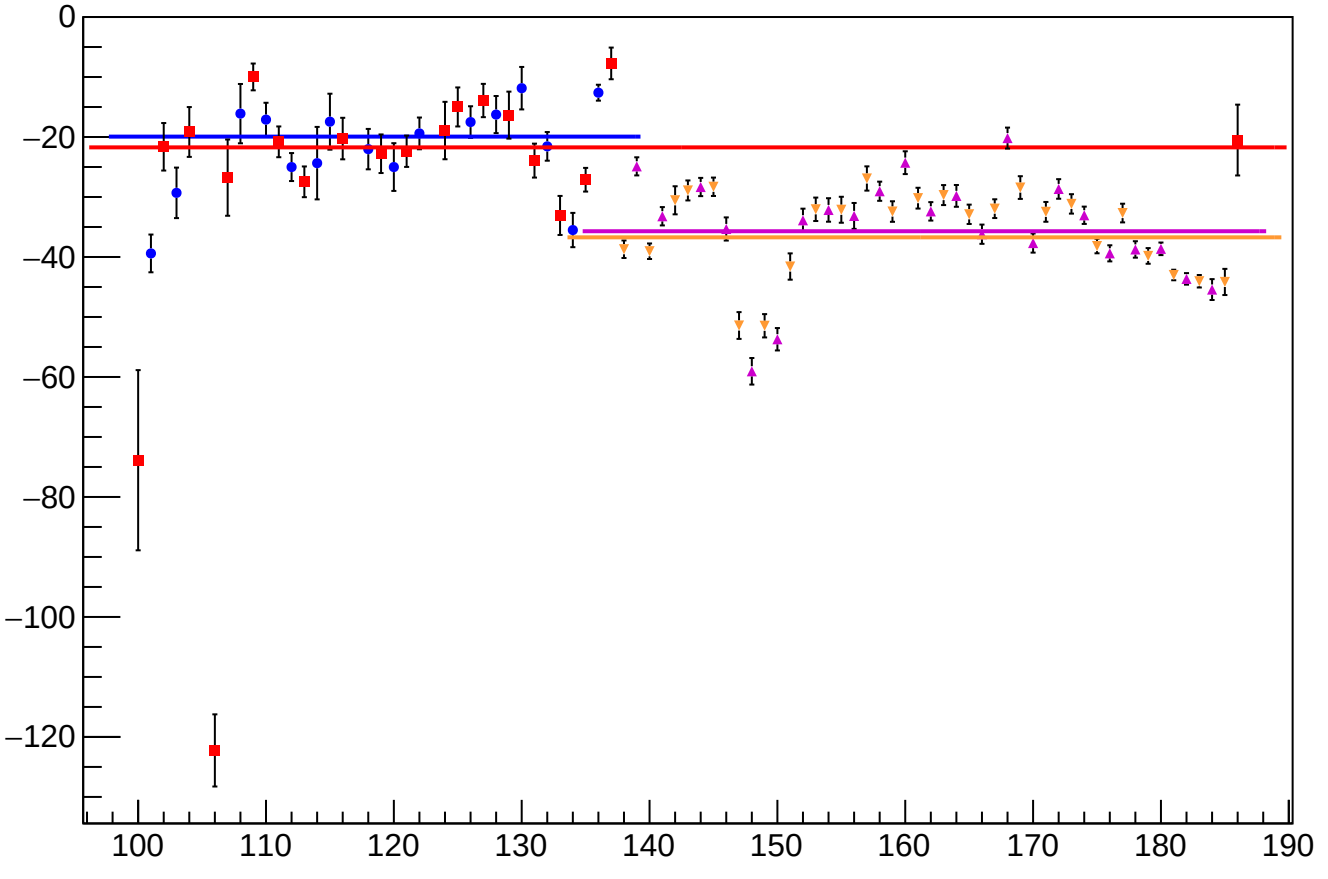
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.283+/-0.017 χ^2/NDF: 2157.3/35

In: 0.553+/-0.004 χ^2/NDF:1169.1/38

Out: 0.562+/-0.004 χ^2/NDF:2472.0/44

All: 0.558+/-0.003 χ^2/NDF: 3644.2/83



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

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

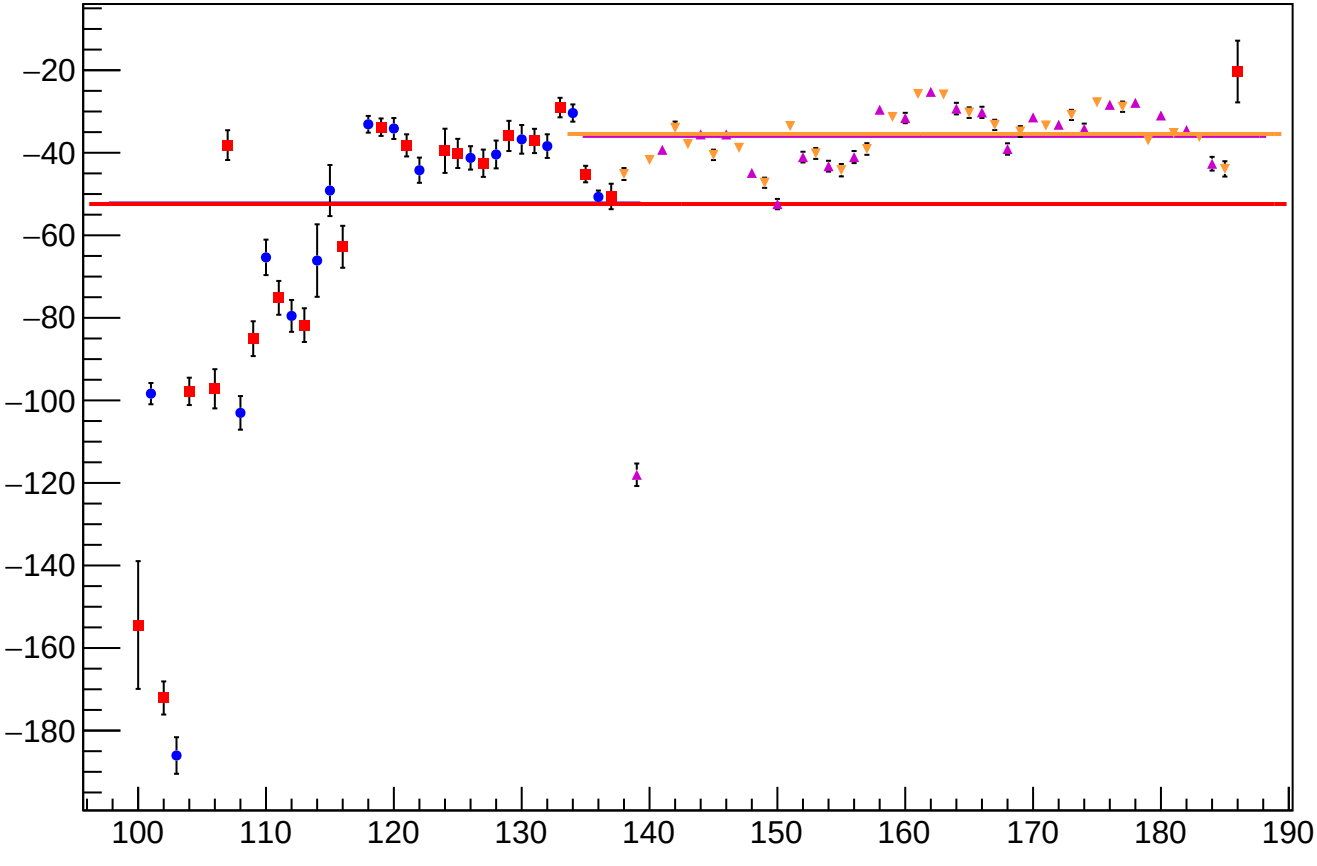
Right: -20.814+/-0.496 χ^2/NDF: 512.2/35

In: -32.901+/-0.293 χ^2/NDF:1122.8/38

Out: -34.312+/-0.284 χ^2/NDF:1185.1/44

All: -33.628+/-0.204 χ^2/NDF: 2319.8/83

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -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

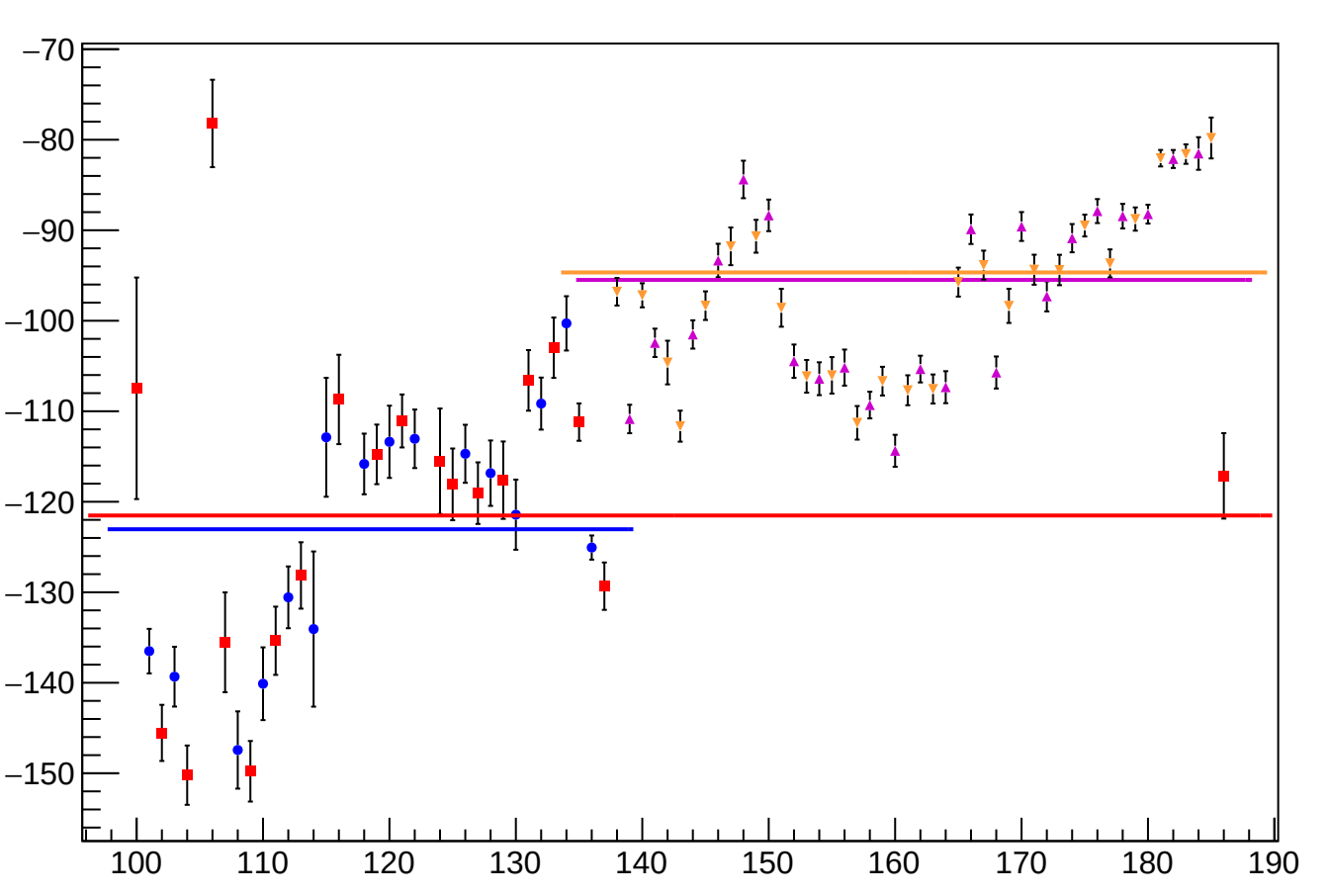
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

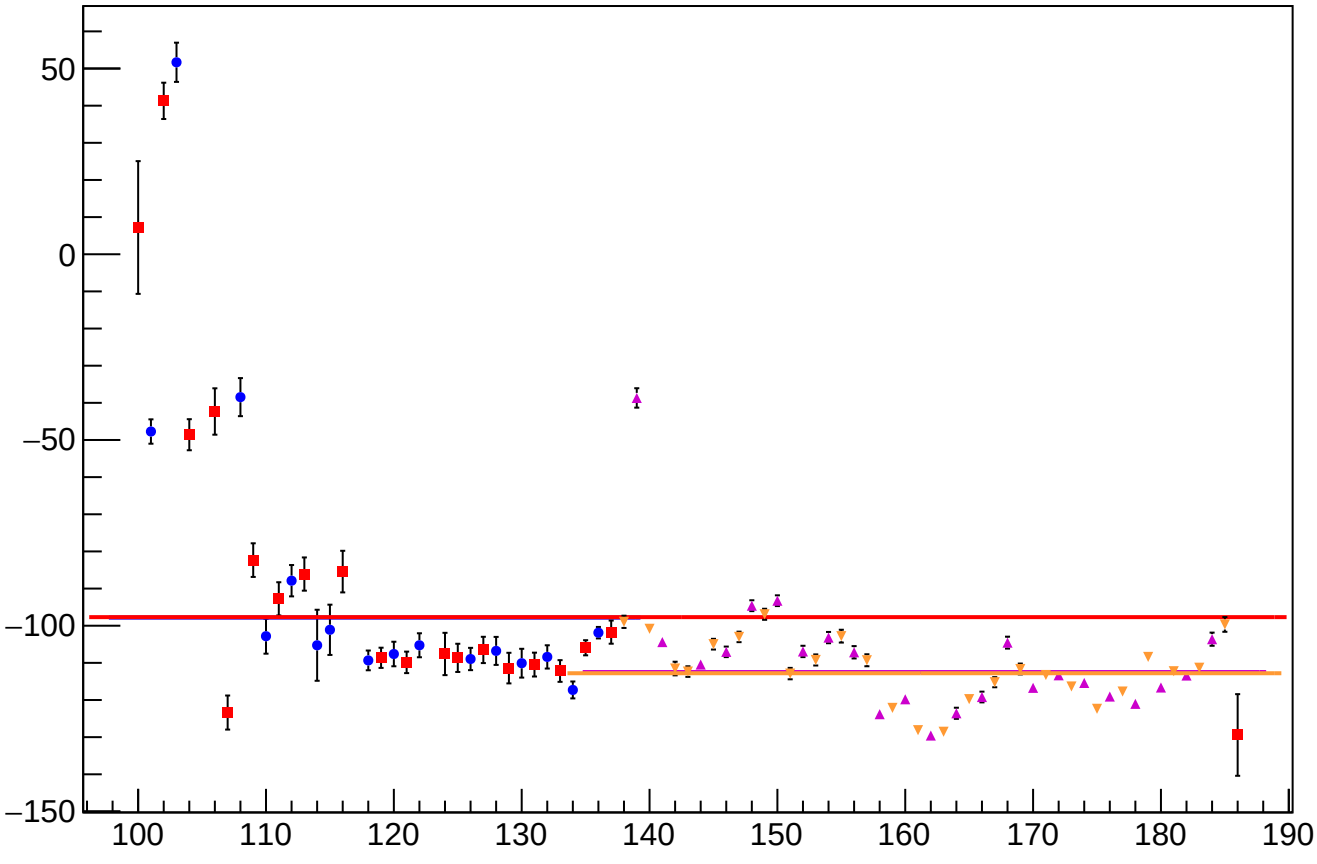
Right: -52.353+/-0.513 χ^2/NDF: 3459.4/35

In: -37.809+/-0.241 χ^2/NDF:3794.7/38

Out: -37.099+/-0.233 χ^2/NDF:2688.0/44

All: -37.442+/-0.167 χ^2/NDF: 6487.1/83


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
110
120
130
140
150
160
170
180
190
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -94.663+/-0.310 χ²/NDF:900.1/24
Right Out: -121.519+/-0.790 χ²/NDF: 425.4/19
Left In: -95.489+/-0.321 χ²/NDF:970.1/22
Left: -95.061+/-0.223 χ²/NDF: 1873.6/47
Right: -122.319+/-0.544 χ²/NDF: 654.2/35
In: -99.758+/-0.295 χ²/NDF:2337.1/38
Out: -98.244+/-0.288 χ²/NDF:2327.3/44
All: -98.983+/-0.206 χ²/NDF: 4677.9/83



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

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

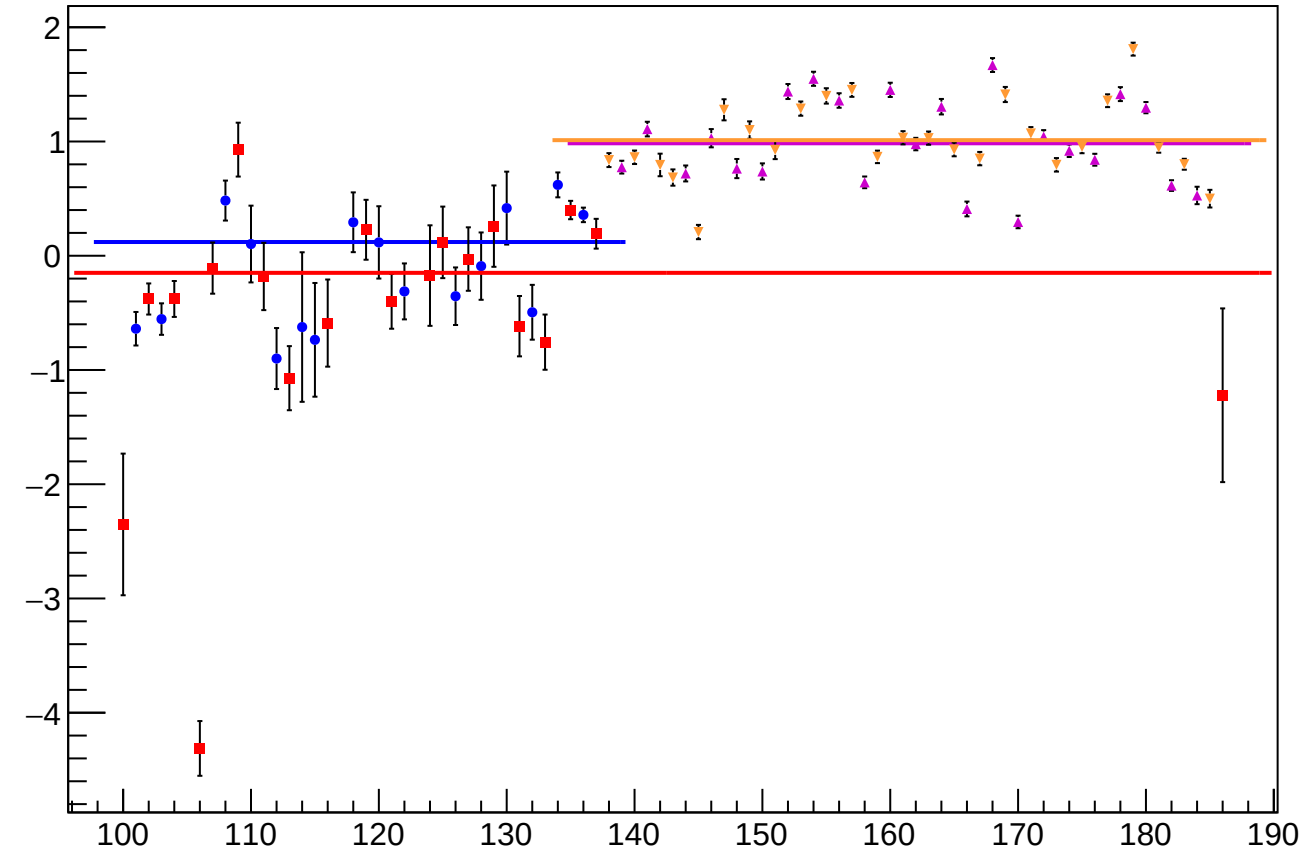
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -97.756+/-0.577 χ^2/NDF: 2575.7/35

In: -110.791+/-0.268 χ^2/NDF:3421.7/38

Out: -111.342+/-0.261 χ^2/NDF:2473.3/44

All: -111.074+/-0.187 χ^2/NDF: 5897.2/83



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

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

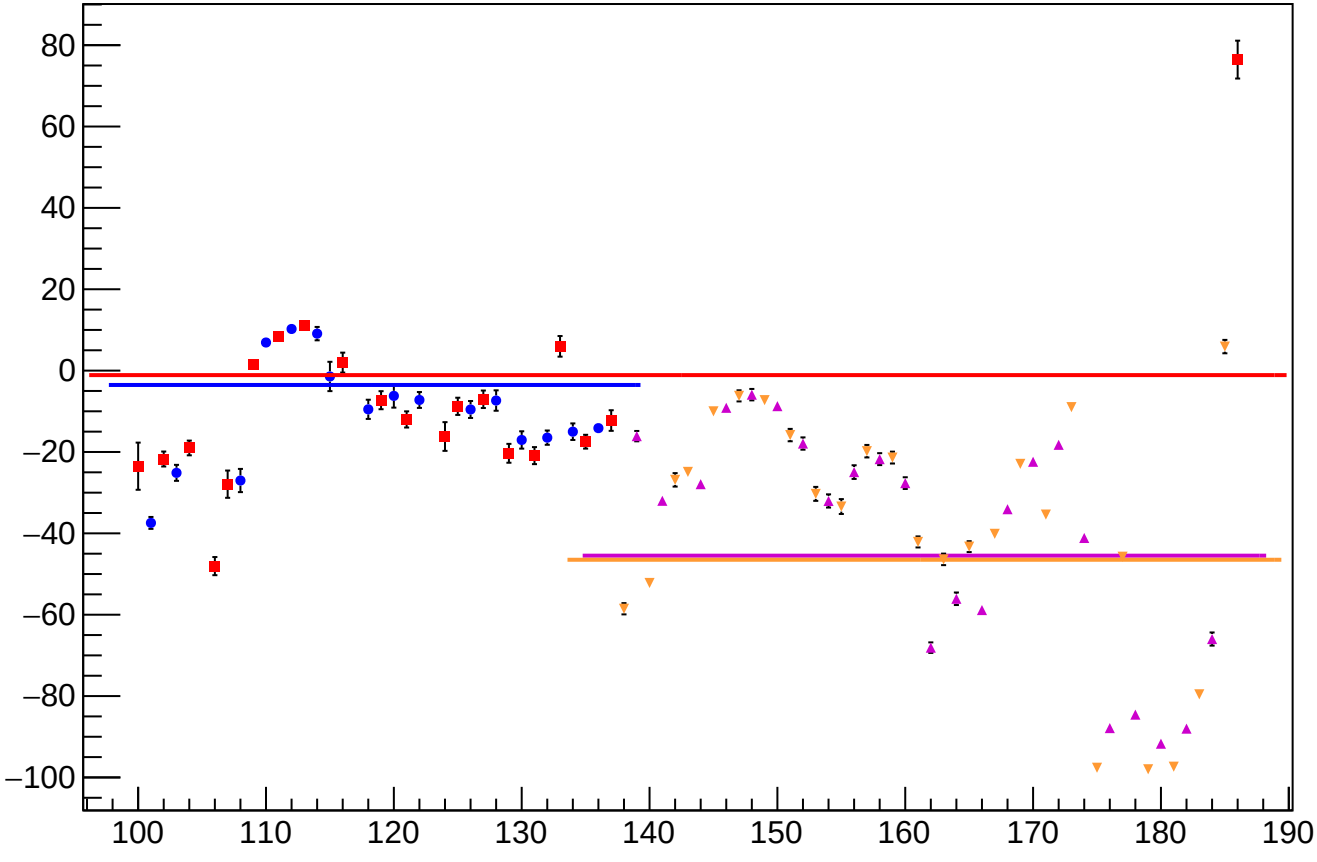
Right: -0.004+/-0.030 χ^2/NDF: 566.5/35

In: 0.911+/-0.012 χ^2/NDF:1426.1/38

Out: 0.931+/-0.012 χ^2/NDF:1739.3/44

All: 0.921+/-0.008 χ^2/NDF: 3166.8/83

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -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

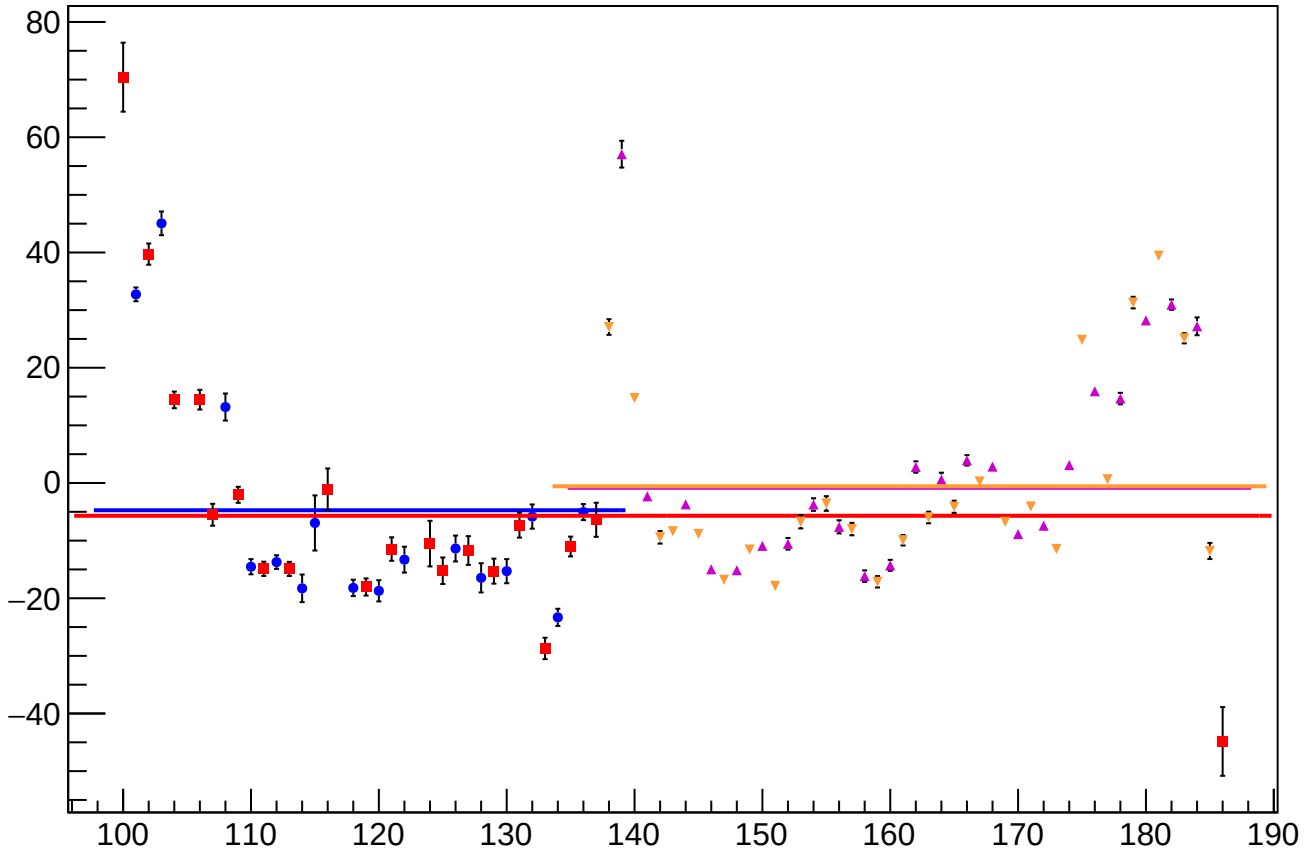
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -2.183+/-0.251 χ^2/NDF: 3355.9/35

In: -33.541+/-0.201 χ^2/NDF:25972.1/38

Out: -32.094+/-0.190 χ^2/NDF:34196.0/44

All: -32.778+/-0.138 χ^2/NDF: 60195.4/83



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

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

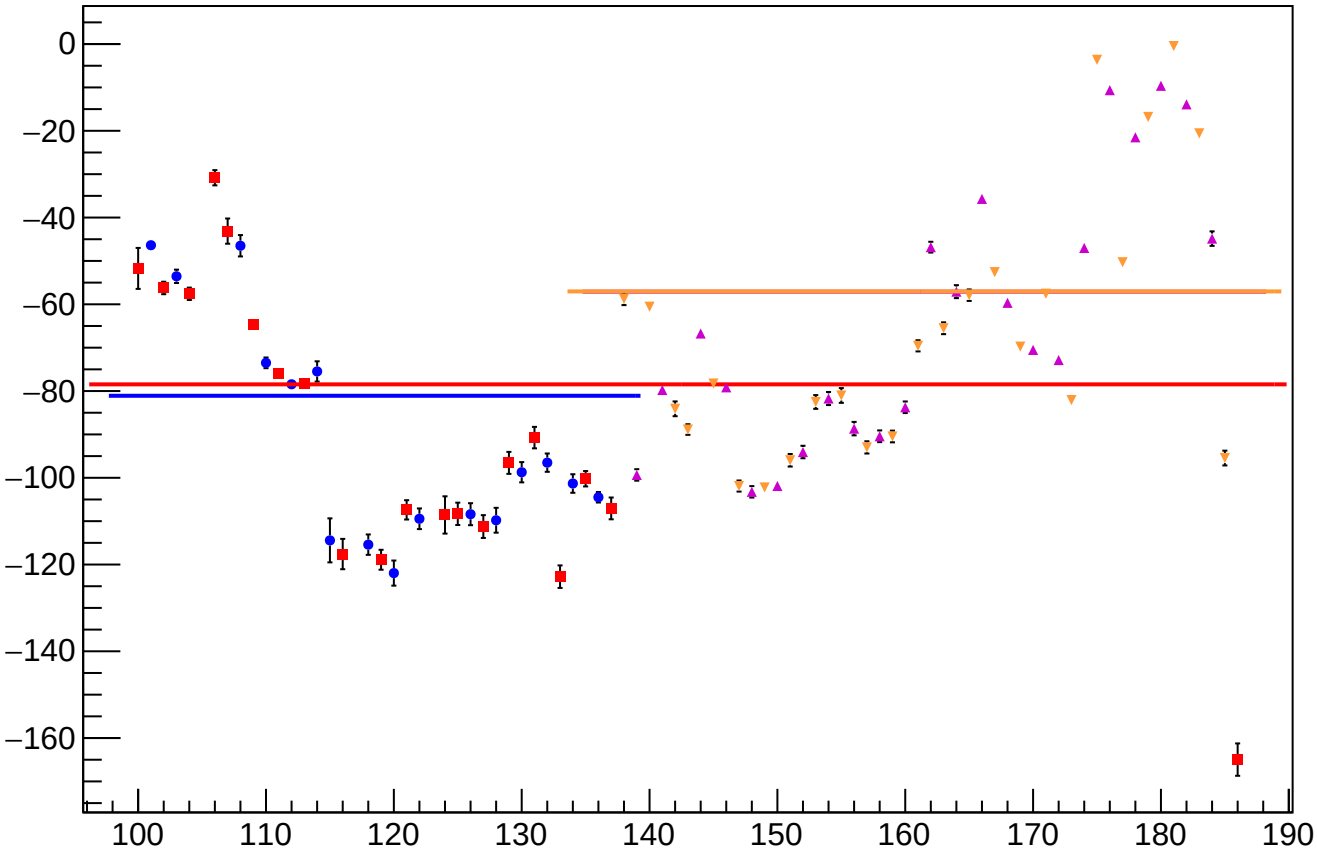
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -5.219+/-0.301 χ^2/NDF: 3702.4/35

In: -1.425+/-0.168 χ^2/NDF:8334.0/38

Out: -1.342+/-0.163 χ^2/NDF:10128.8/44

All: -1.382+/-0.117 χ^2/NDF: 18462.9/83



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

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

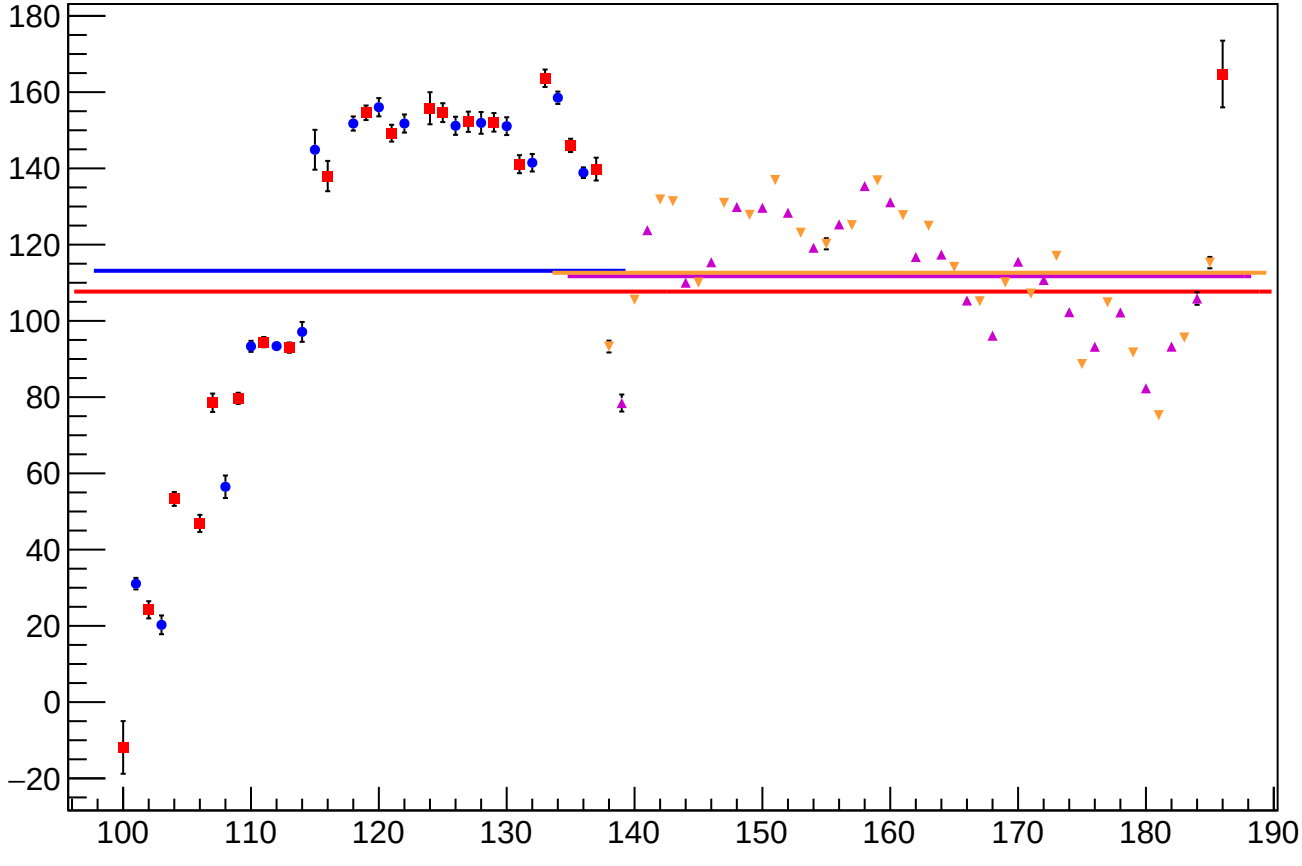
Right: -79.701+/-0.301 χ^2/NDF: 6563.0/35

In: -62.505+/-0.208 χ^2/NDF:22359.3/38

Out: -62.074+/-0.201 χ^2/NDF:26028.9/44

All: -62.282+/-0.145 χ^2/NDF: 48390.4/83

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 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

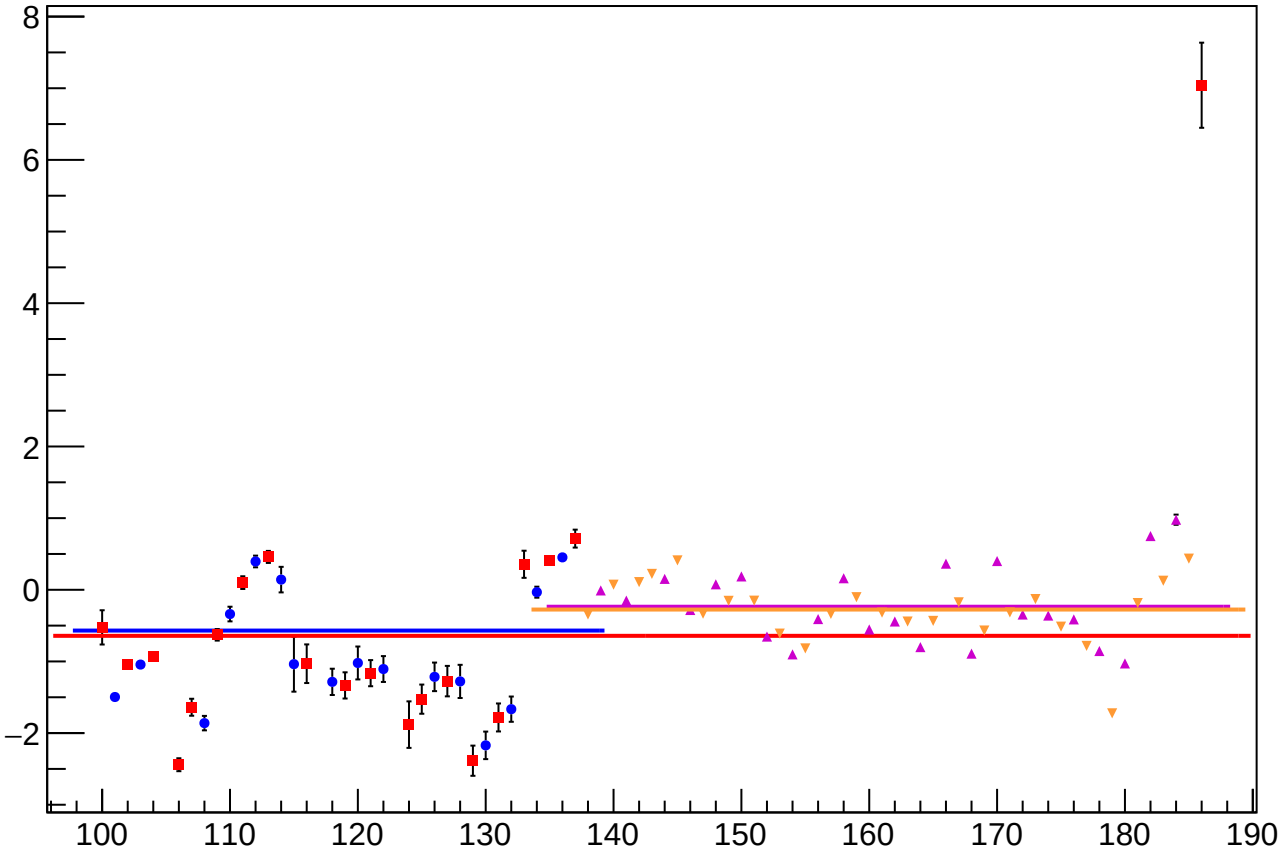
Right: 110.356+/-0.342 χ^2/NDF: 15854.4/35

In: 111.934+/-0.190 χ^2/NDF:13108.1/38

Out: 111.891+/-0.184 χ^2/NDF:14385.3/44

All: 111.912+/-0.132 χ^2/NDF: 27493.4/83

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

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

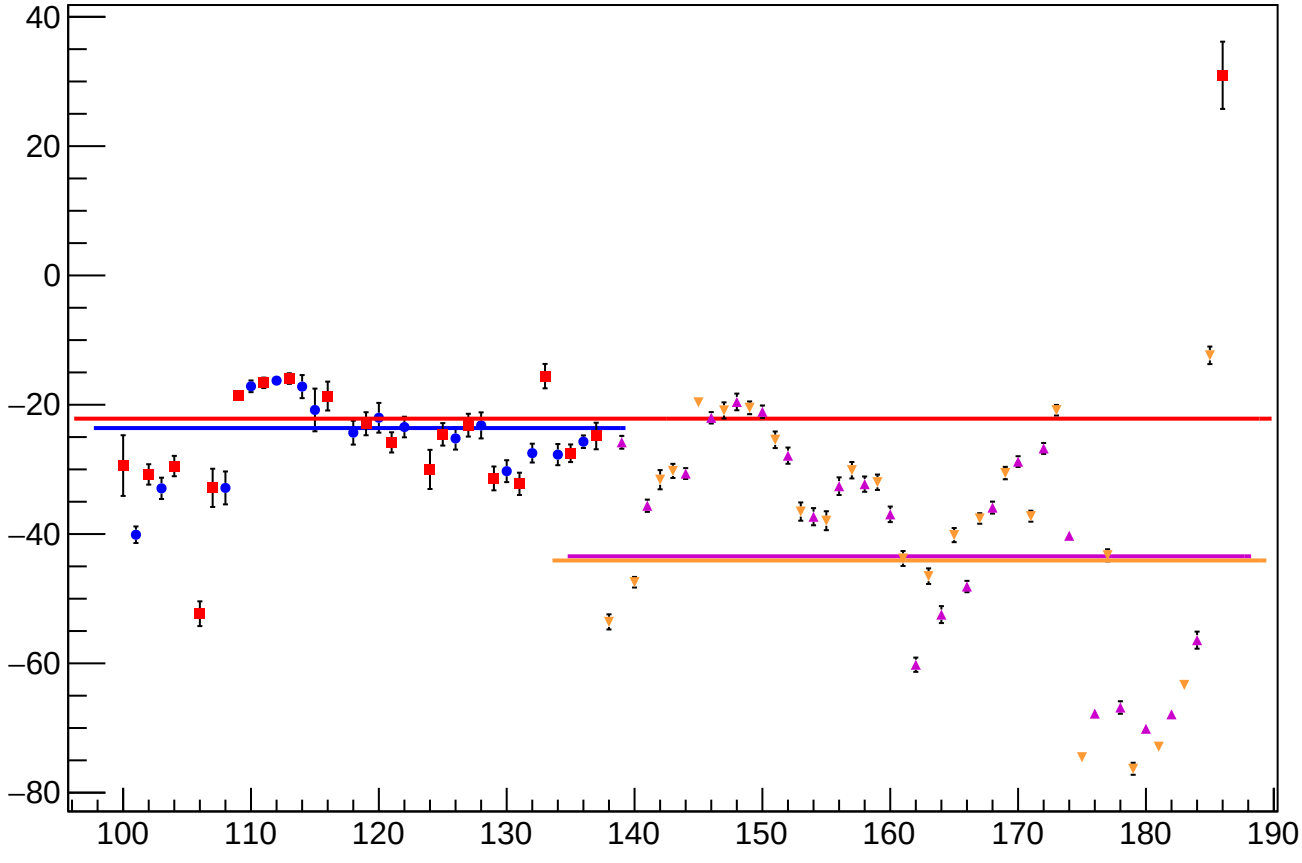
Right: -0.607+/-0.018 χ^2/NDF: 2584.4/35

In: -0.274+/-0.009 χ^2/NDF:4206.3/38

Out: -0.317+/-0.008 χ^2/NDF:3793.3/44

All: -0.296+/-0.006 χ^2/NDF: 8012.5/83

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

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

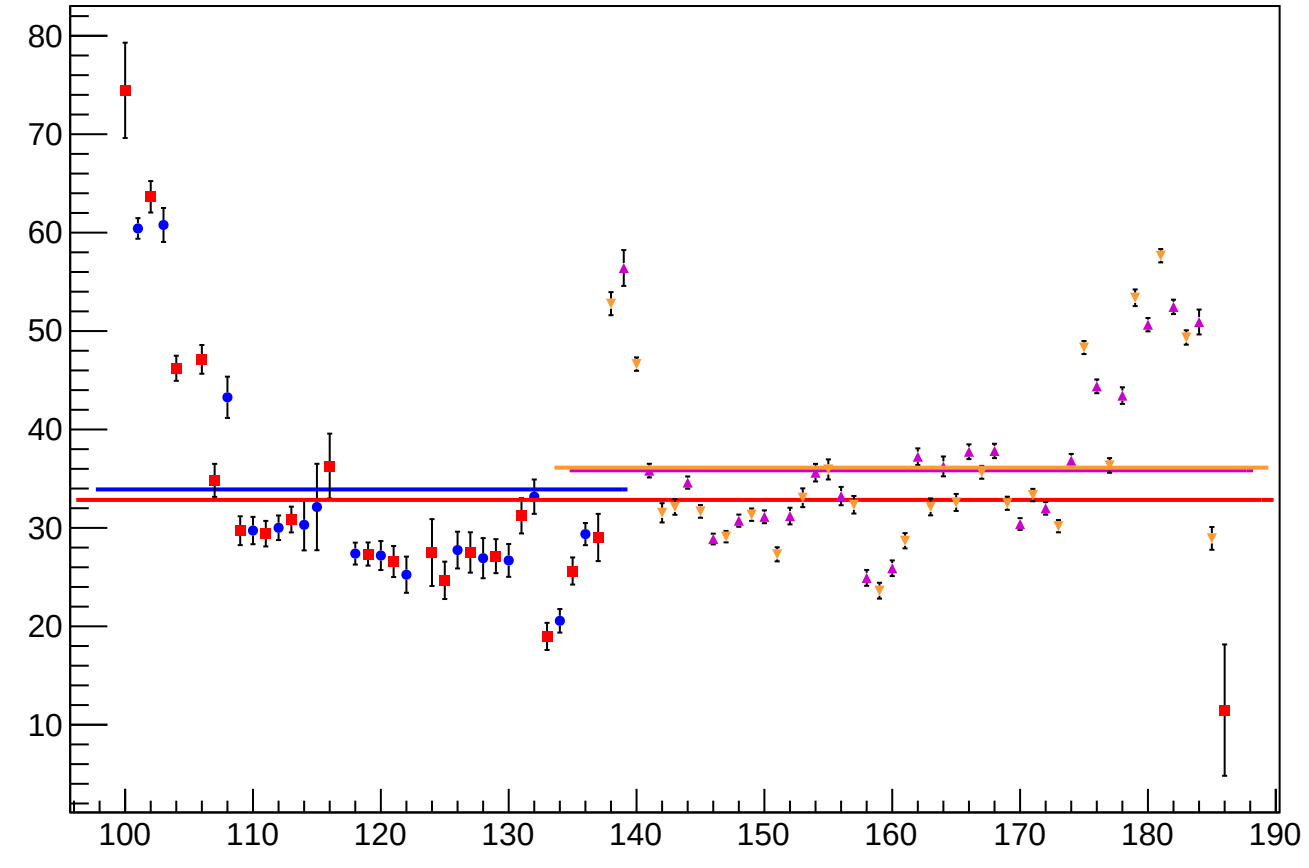
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -22.820+/-0.236 χ^2/NDF: 1072.2/35

In: -38.573+/-0.173 χ^2/NDF:10674.1/38

Out: -38.266+/-0.165 χ^2/NDF:14424.2/44

All: -38.413+/-0.119 χ^2/NDF: 25100.0/83



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

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

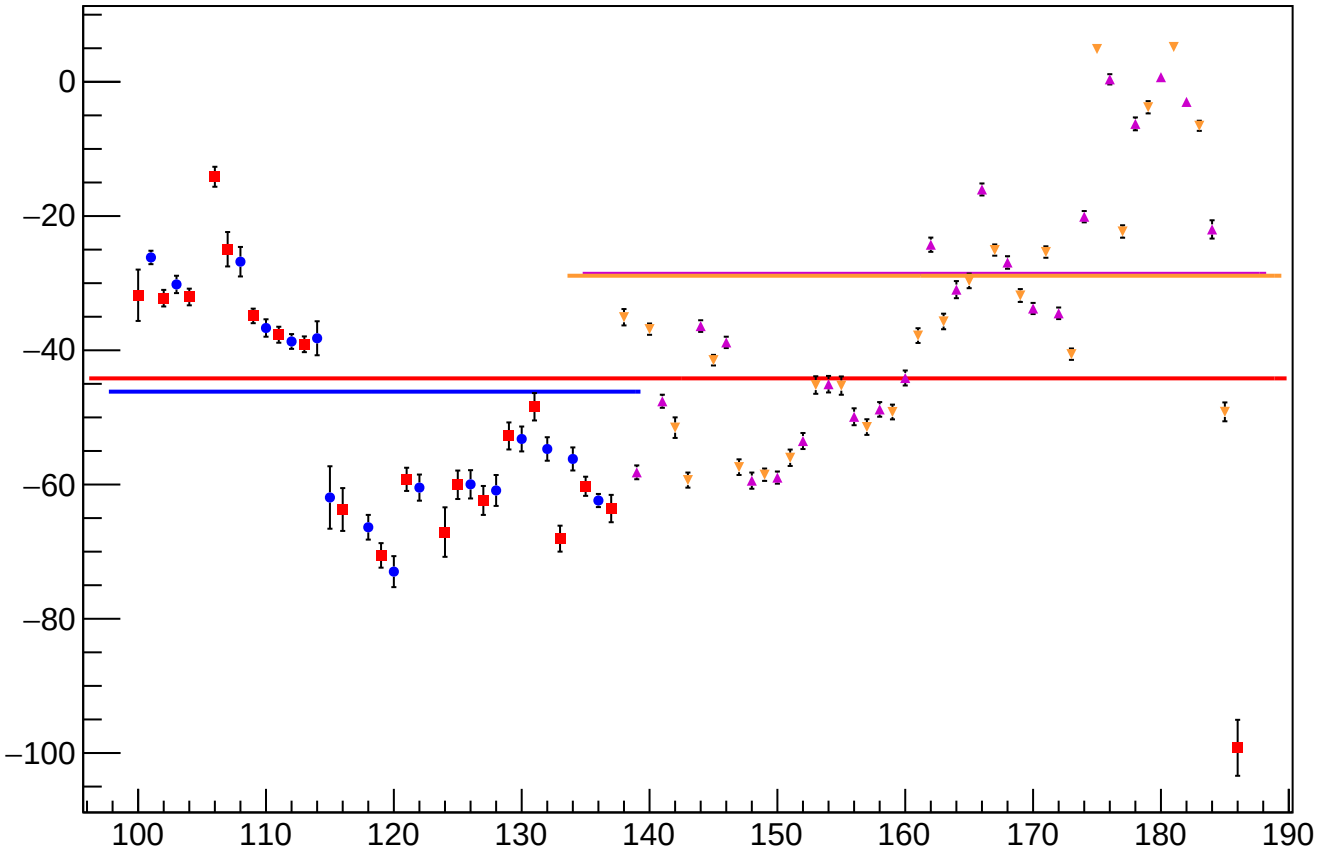
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 33.372+/-0.264 χ^2/NDF: 2073.7/35

In: 35.569+/-0.143 χ^2/NDF:3500.8/38

Out: 35.665+/-0.139 χ^2/NDF:4510.6/44

All: 35.618+/-0.100 χ^2/NDF: 8011.6/83



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

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

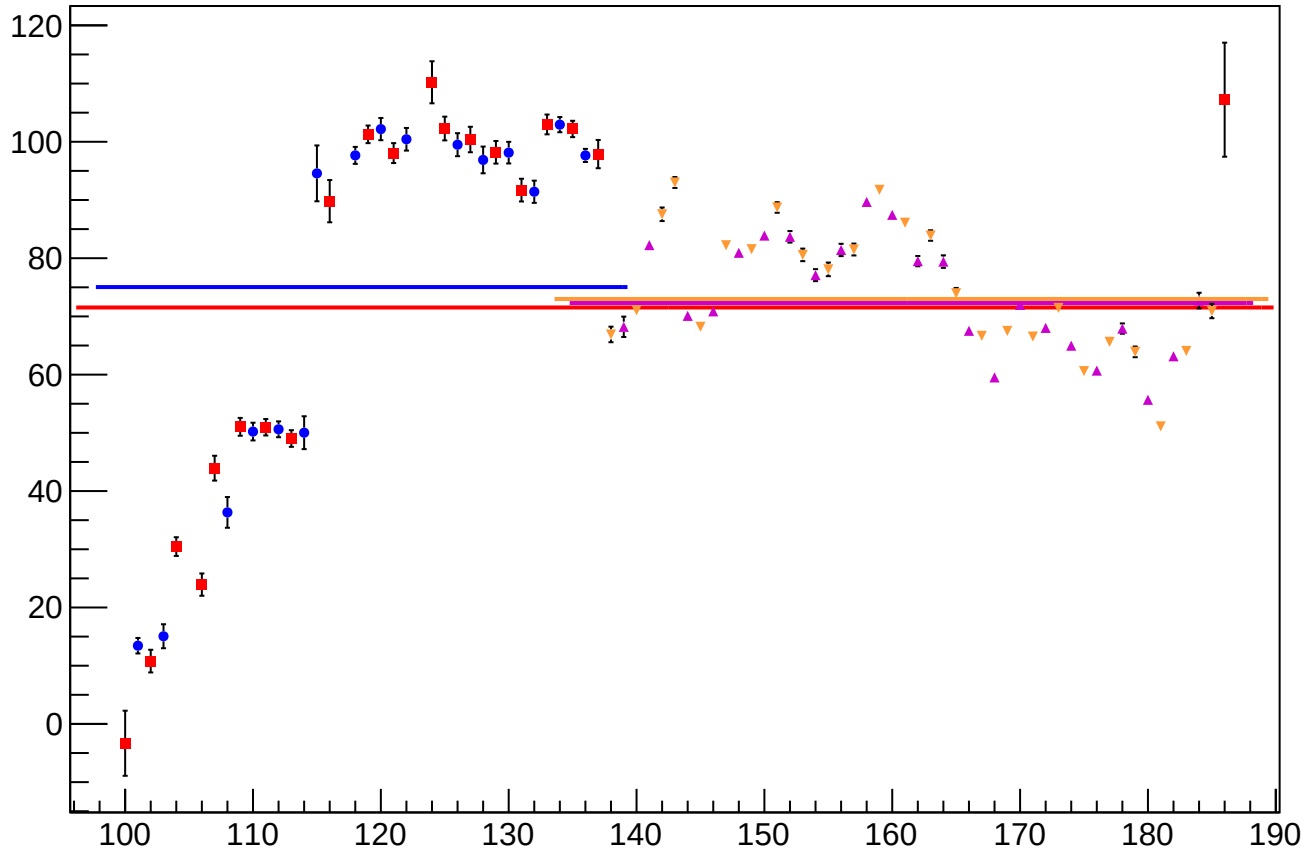
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -45.138+/-0.271 χ^2/NDF: 3342.0/35

In: -32.198+/-0.176 χ^2/NDF:13117.3/38

Out: -32.064+/-0.172 χ^2/NDF:14943.2/44

All: -32.129+/-0.123 χ^2/NDF: 28060.8/83



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

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

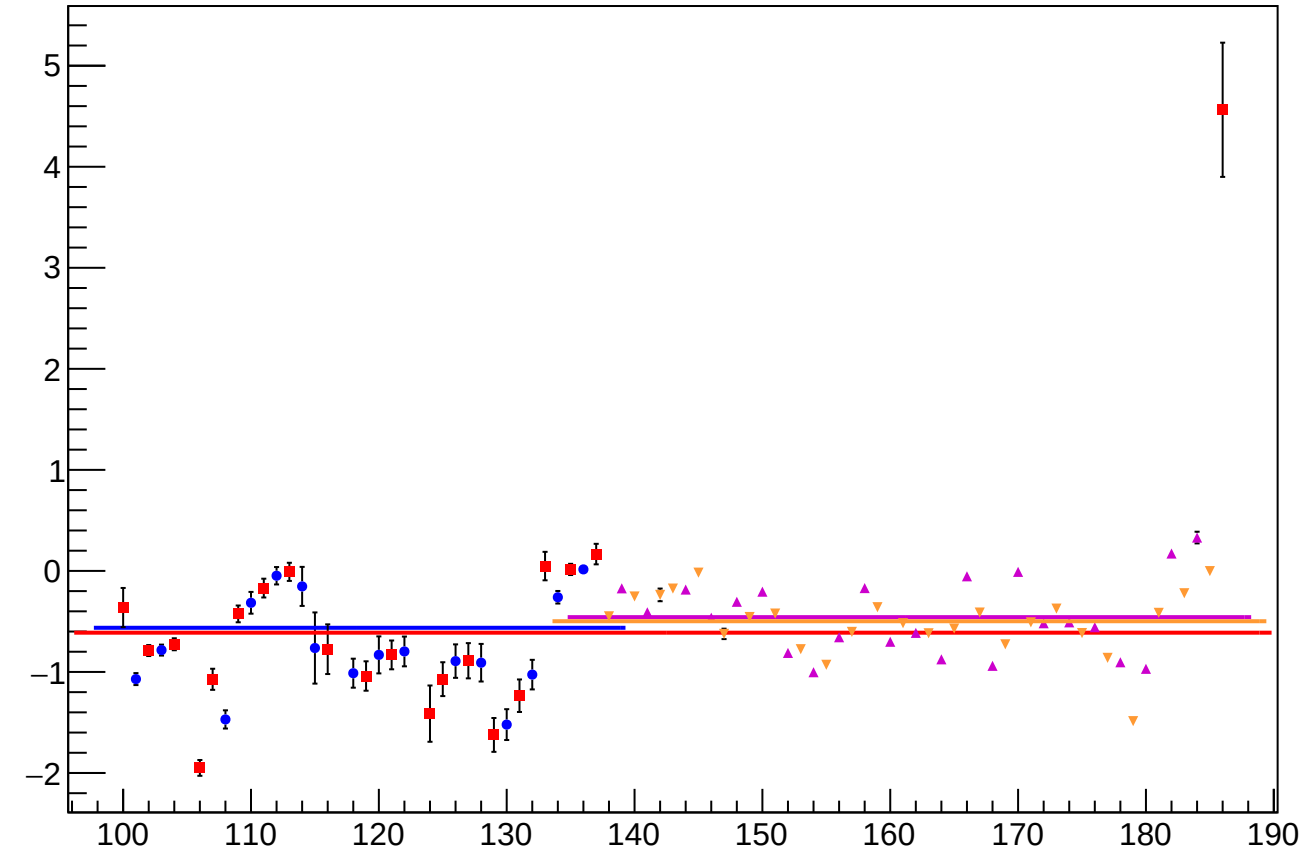
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 73.280+/-0.301 χ^2/NDF: 11503.6/35

In: 72.690+/-0.161 χ^2/NDF:8776.1/38

Out: 72.803+/-0.157 χ^2/NDF:9704.2/44

All: 72.748+/-0.112 χ^2/NDF: 18480.6/83



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

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

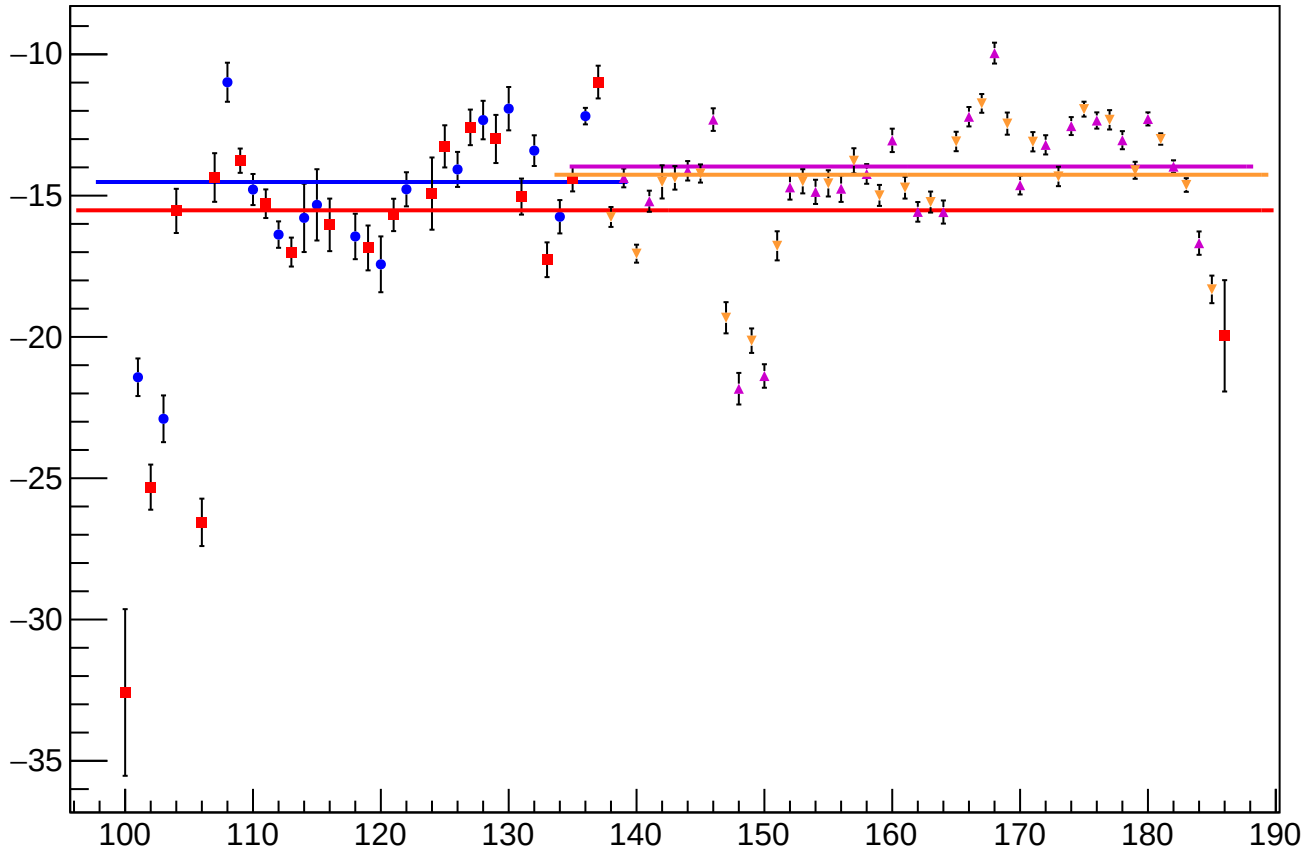
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.587+/-0.016 χ^2/NDF: 1246.2/35

In: -0.469+/-0.007 χ^2/NDF:2616.1/38

Out: -0.510+/-0.007 χ^2/NDF:2257.1/44

All: -0.490+/-0.005 χ^2/NDF: 4889.6/83



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

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

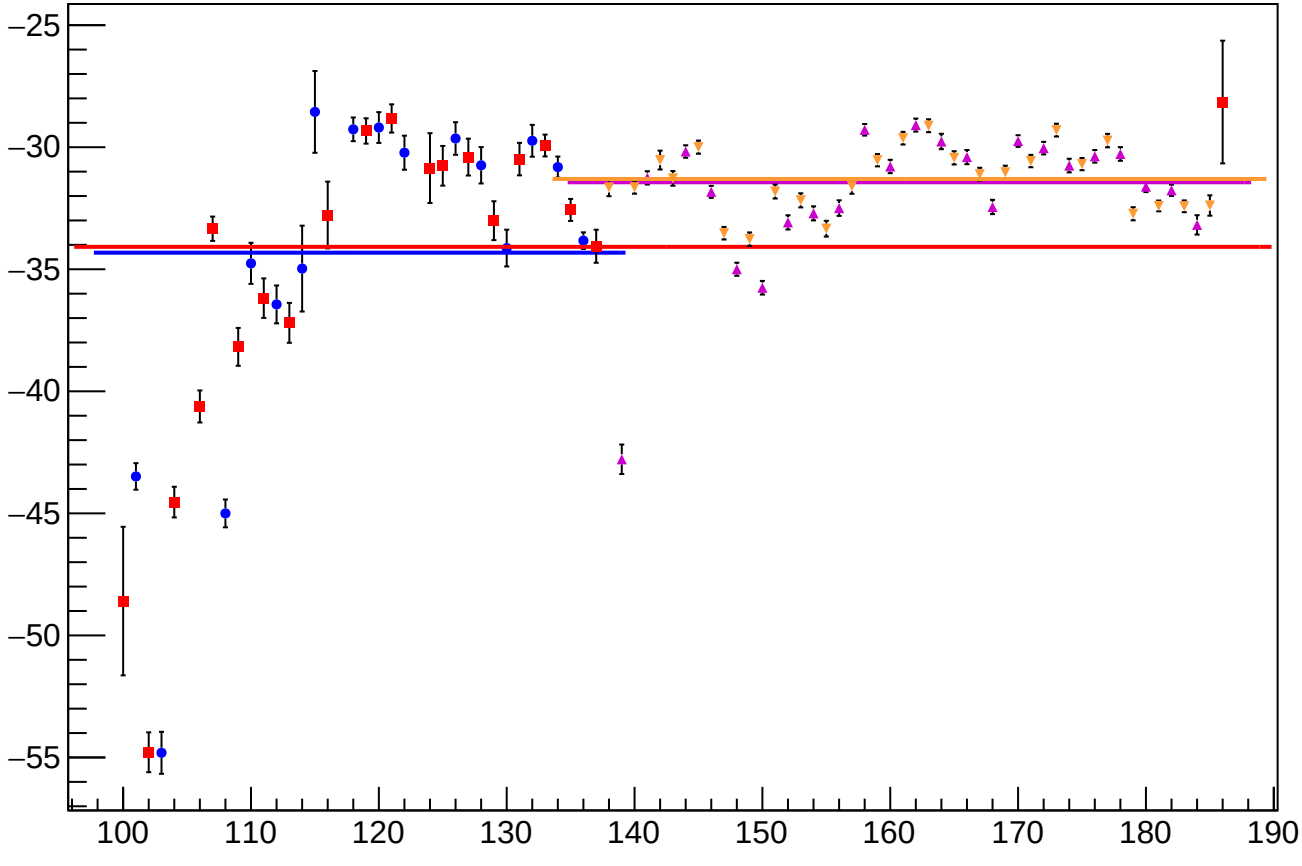
Right: -15.018+/-0.106 χ^2/NDF: 894.8/35

In: -14.073+/-0.065 χ^2/NDF:1282.0/38

Out: -14.485+/-0.063 χ^2/NDF:1291.2/44

All: -14.284+/-0.045 χ^2/NDF: 2594.0/83

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.301+/-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

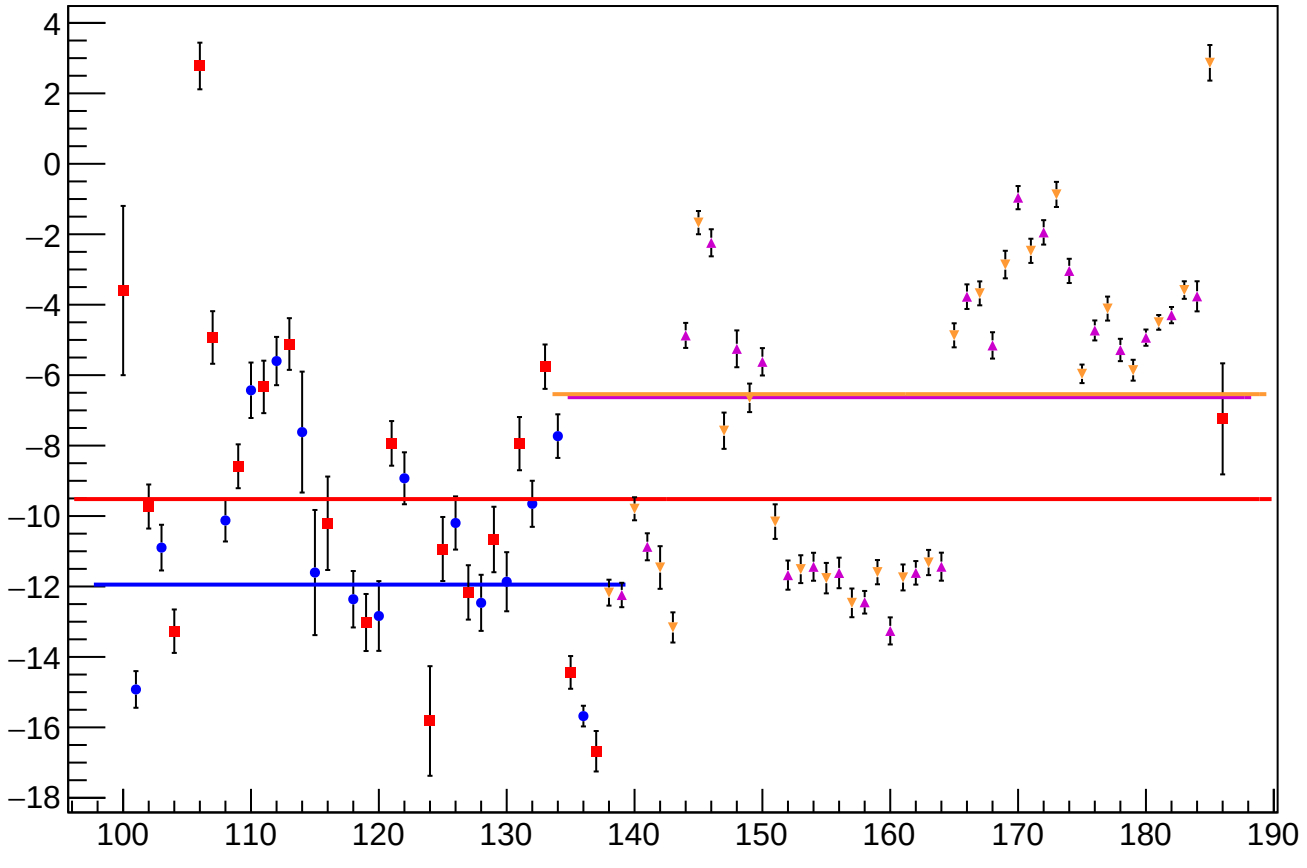
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -34.201+/-0.109 χ^2/NDF: 3062.1/35

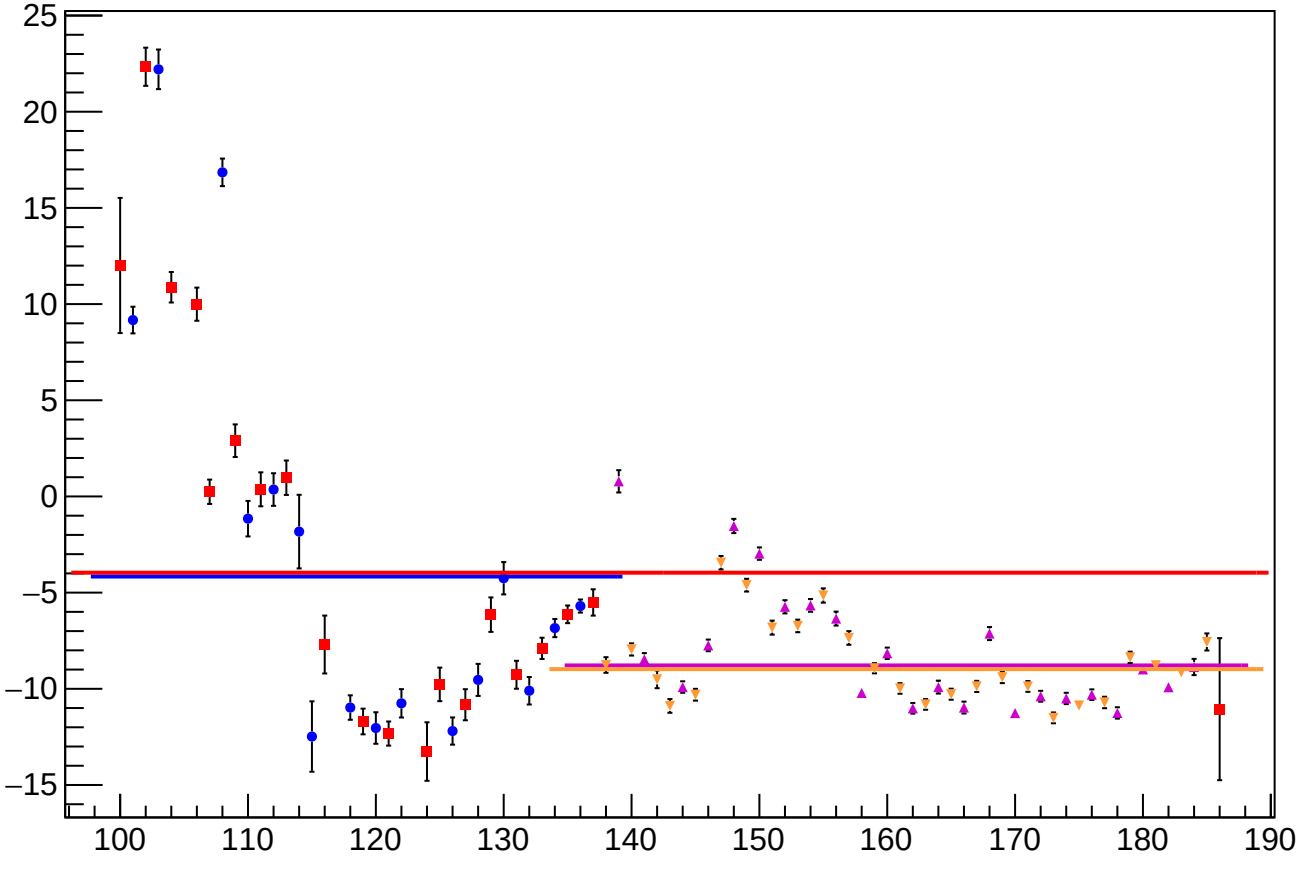
In: -31.790+/-0.054 χ^2/NDF:3146.1/38

Out: -31.618+/-0.052 χ^2/NDF:2282.9/44

All: -31.701+/-0.037 χ^2/NDF: 5434.4/83


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
170
180
190
Right In: -11.946+/-0.160 χ²/NDF: 430.0/15
Left Out: -6.540+/-0.070 χ²/NDF:3242.5/24
Right Out: -9.519+/-0.164 χ²/NDF: 849.2/19
Left In: -6.625+/-0.071 χ²/NDF:2908.0/22
Left: -6.581+/-0.050 χ²/NDF: 6151.3/47
Right: -10.764+/-0.115 χ²/NDF: 1391.2/35
In: -7.508+/-0.065 χ²/NDF:4259.0/38
Out: -6.992+/-0.064 χ²/NDF:4370.5/44
All: -7.245+/-0.046 χ²/NDF: 8661.4/83

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -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

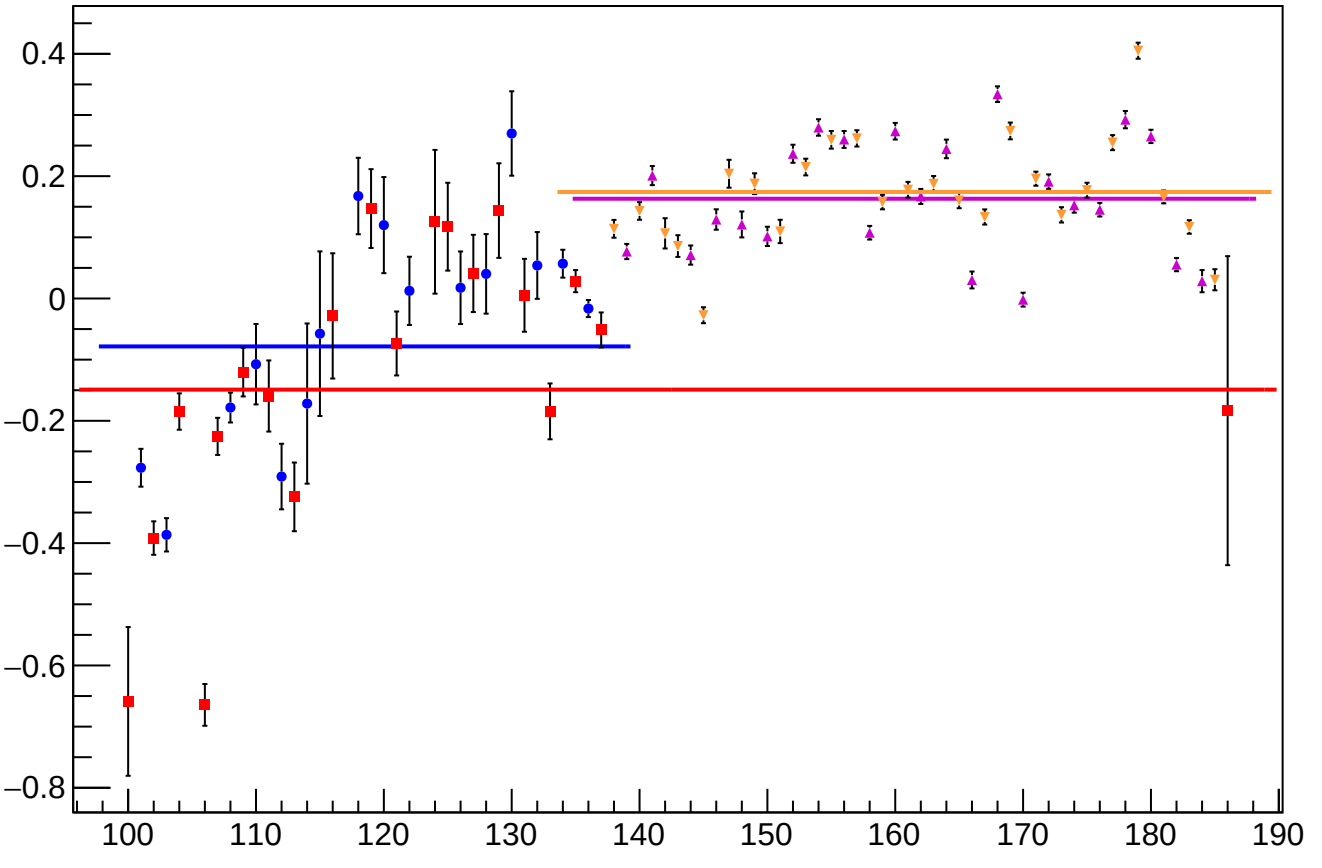
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -4.065+/-0.123 χ^2/NDF: 4639.5/35

In: -8.232+/-0.059 χ^2/NDF:4846.3/38

Out: -8.431+/-0.058 χ^2/NDF:3810.7/44

All: -8.334+/-0.042 χ^2/NDF: 8662.7/83



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

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

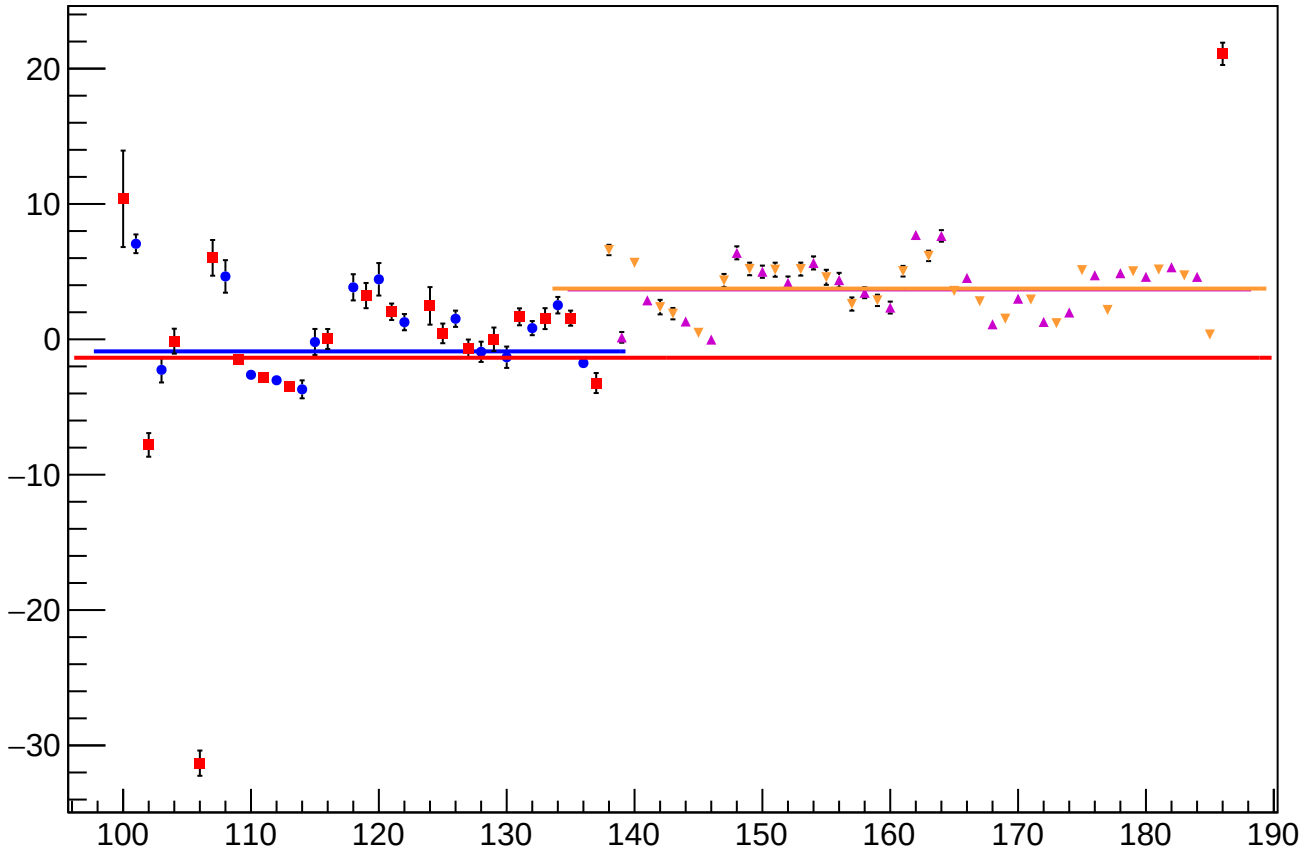
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.112+/-0.006 χ^2/NDF: 875.6/35

In: 0.140+/-0.003 χ^2/NDF:2232.6/38

Out: 0.147+/-0.003 χ^2/NDF:2612.7/44

All: 0.144+/-0.002 χ^2/NDF: 4849.1/83



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

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

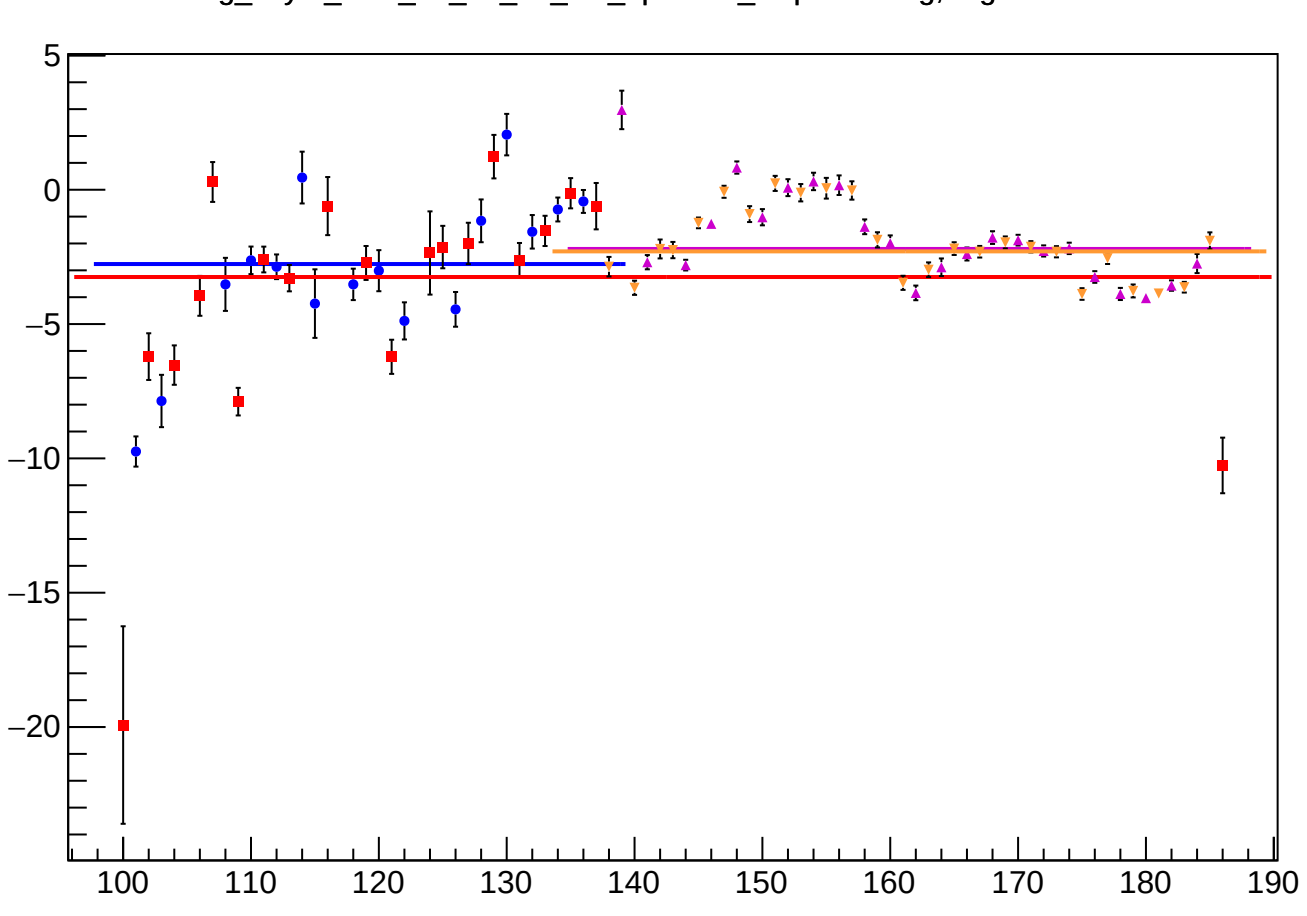
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -1.142+/-0.093 χ^2/NDF: 2475.9/35

In: 2.866+/-0.058 χ^2/NDF:2254.8/38

Out: 2.765+/-0.056 χ^2/NDF:4209.5/44

All: 2.814+/-0.040 χ^2/NDF: 6465.8/83



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

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

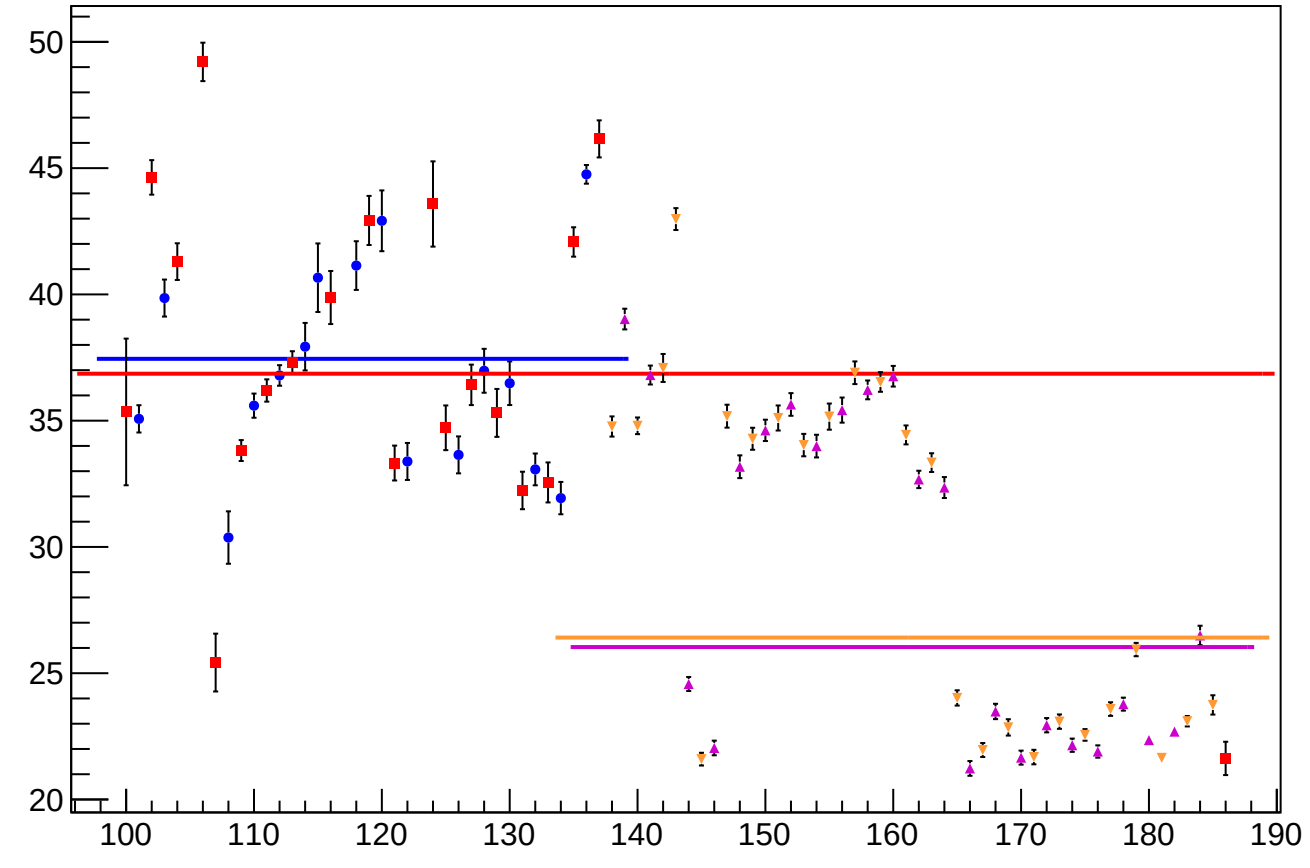
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -3.008+/-0.110 χ^2/NDF: 634.3/35

In: -2.258+/-0.048 χ^2/NDF:1046.4/38

Out: -2.382+/-0.047 χ^2/NDF:985.0/44

All: -2.321+/-0.034 χ^2/NDF: 2034.9/83



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.860+/-0.155 χ^2/NDF: 1527.7/19

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

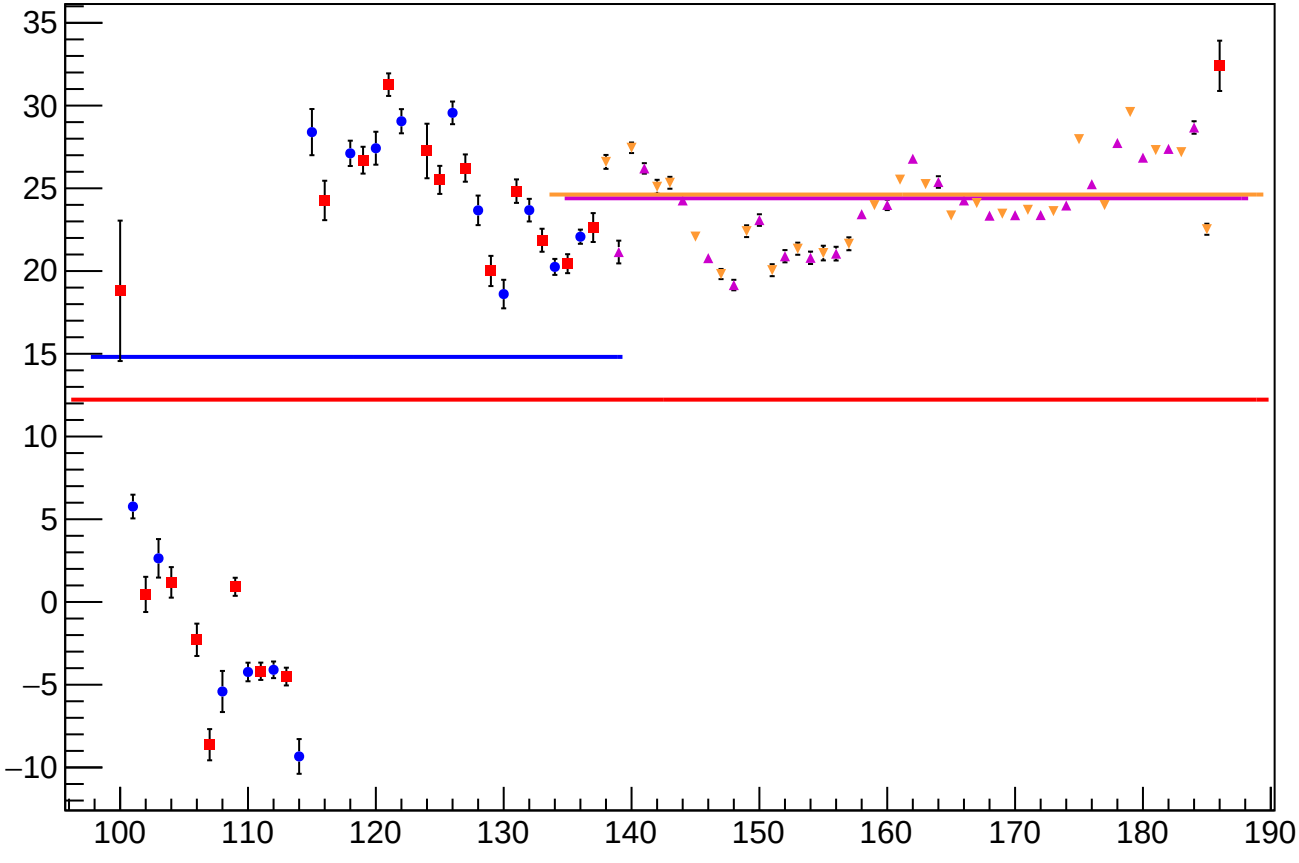
Right: 37.144+/-0.112 χ^2/NDF: 2241.6/35

In: 27.593+/-0.059 χ^2/NDF:12904.6/38

Out: 27.864+/-0.058 χ^2/NDF:14664.4/44

All: 27.732+/-0.041 χ^2/NDF: 27579.7/83

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 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

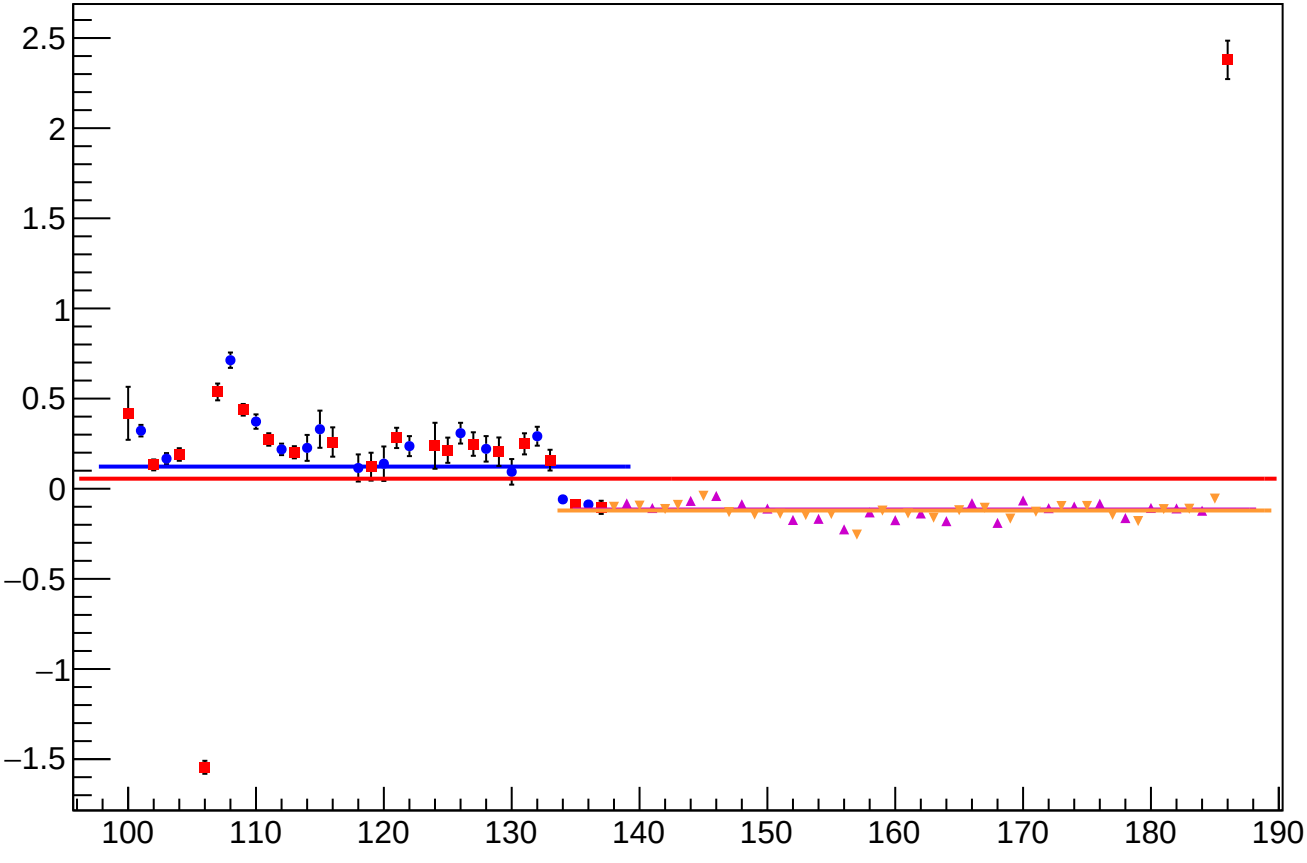
Right: 13.533+/-0.124 χ^2/NDF: 12079.7/35

In: 23.483+/-0.054 χ^2/NDF:10151.1/38

Out: 23.511+/-0.053 χ^2/NDF:12768.5/44

All: 23.497+/-0.038 χ^2/NDF: 22919.8/83

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

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

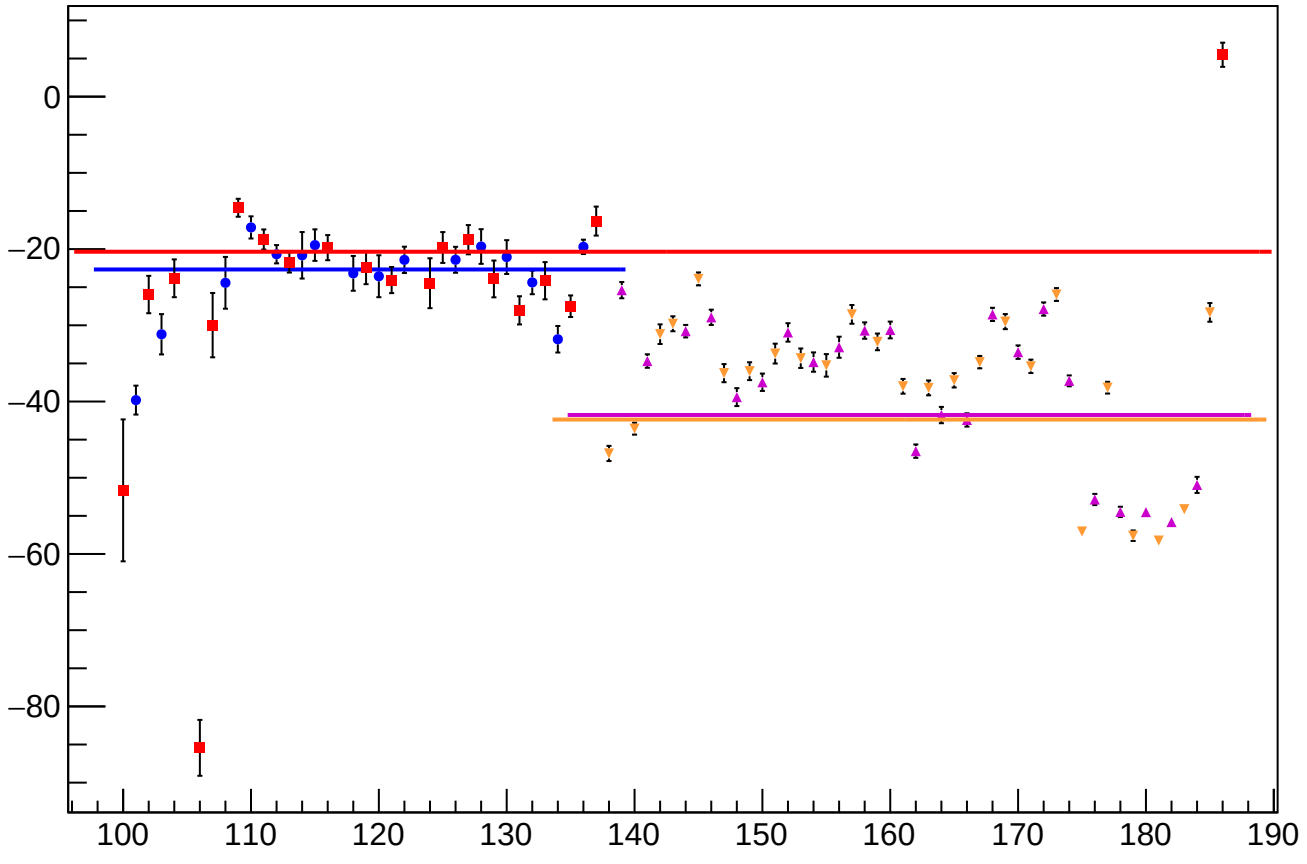
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.090+/-0.007 χ^2/NDF: 3438.9/35

In: -0.099+/-0.002 χ^2/NDF:1408.3/38

Out: -0.110+/-0.002 χ^2/NDF:3466.1/44

All: -0.105+/-0.002 χ^2/NDF: 4884.2/83



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

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

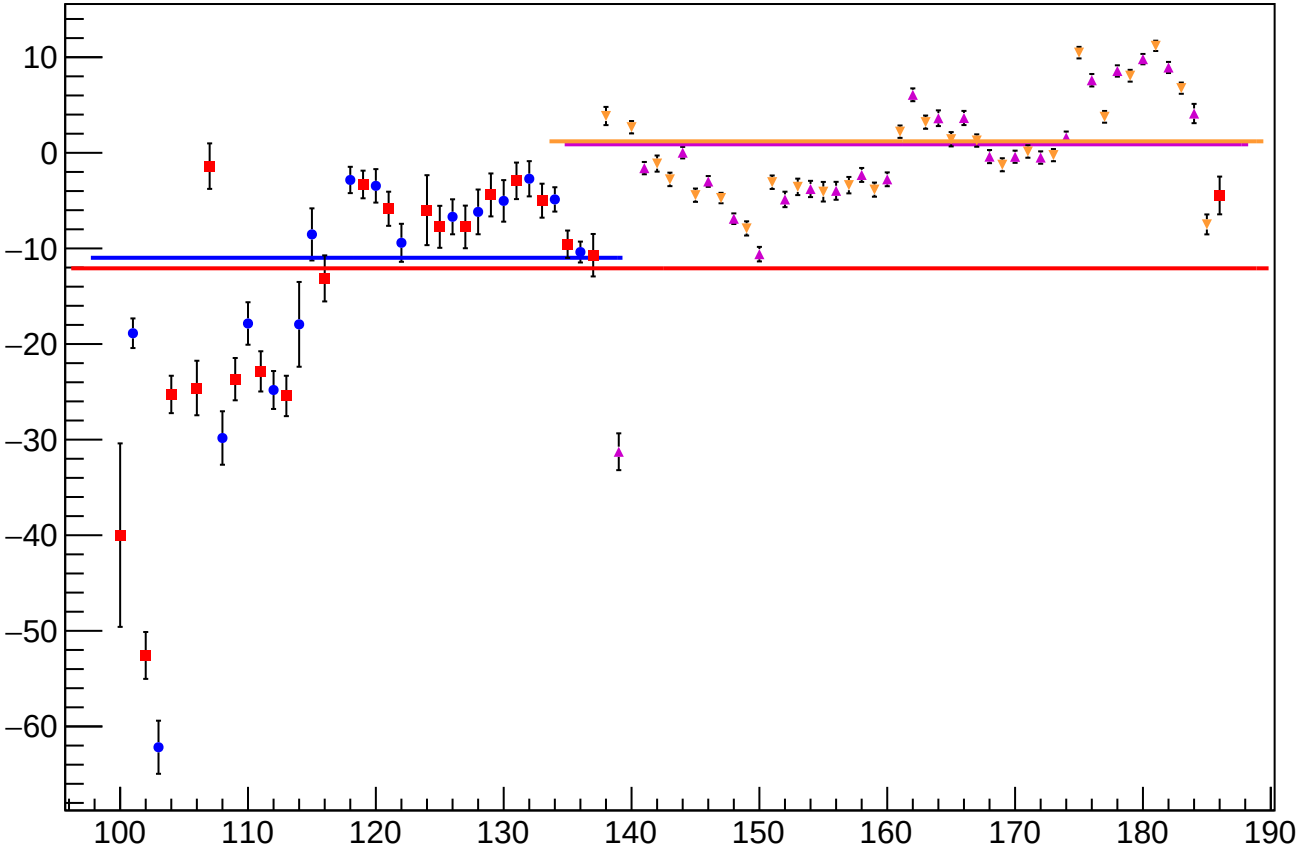
Right: -21.471+/-0.302 χ^2/NDF: 860.4/35

In: -38.923+/-0.168 χ^2/NDF:5256.2/38

Out: -39.098+/-0.162 χ^2/NDF:7512.5/44

All: -39.013+/-0.116 χ^2/NDF: 12769.2/83

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: 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

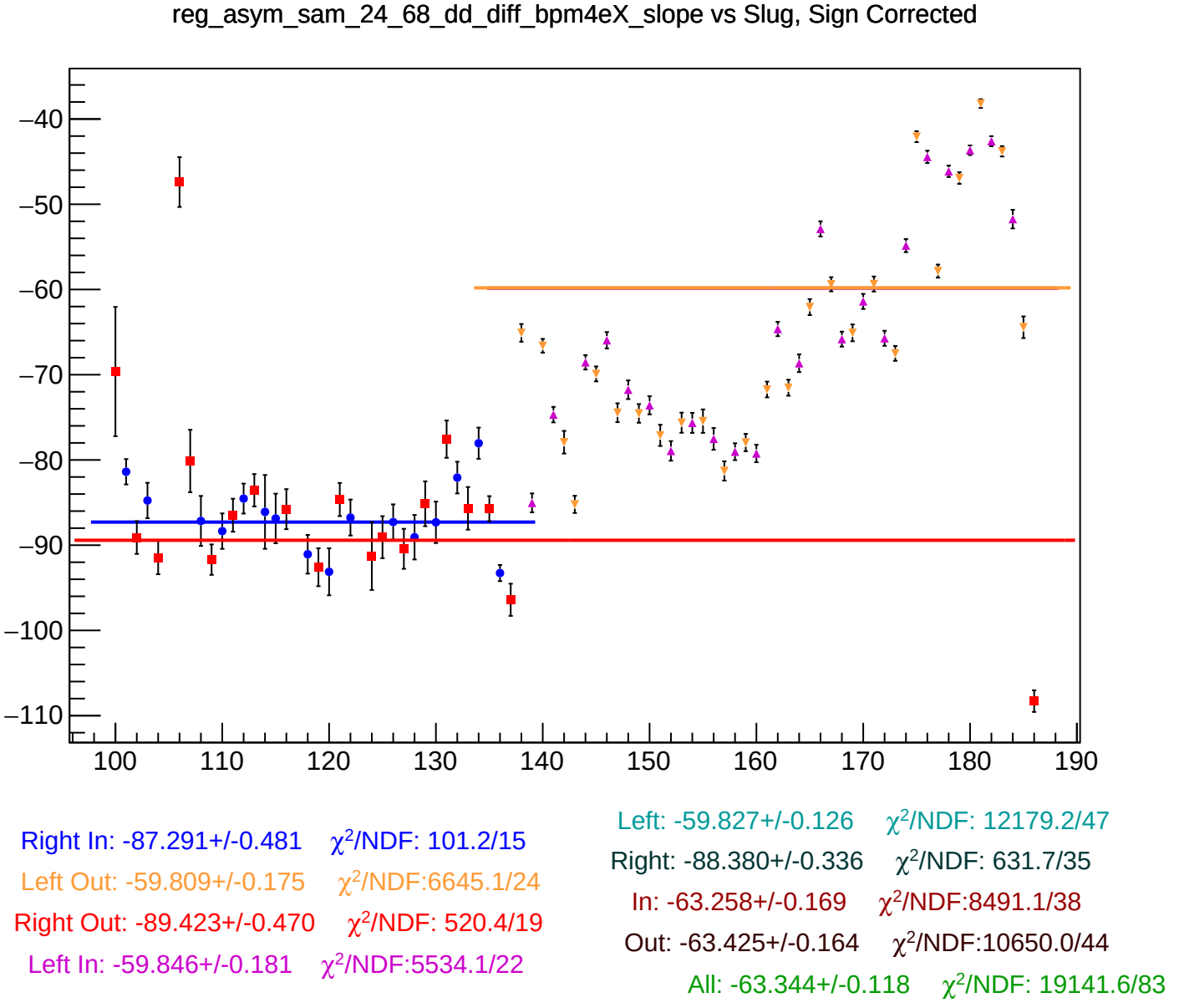
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.513+/-0.325 χ^2/NDF: 1178.2/35

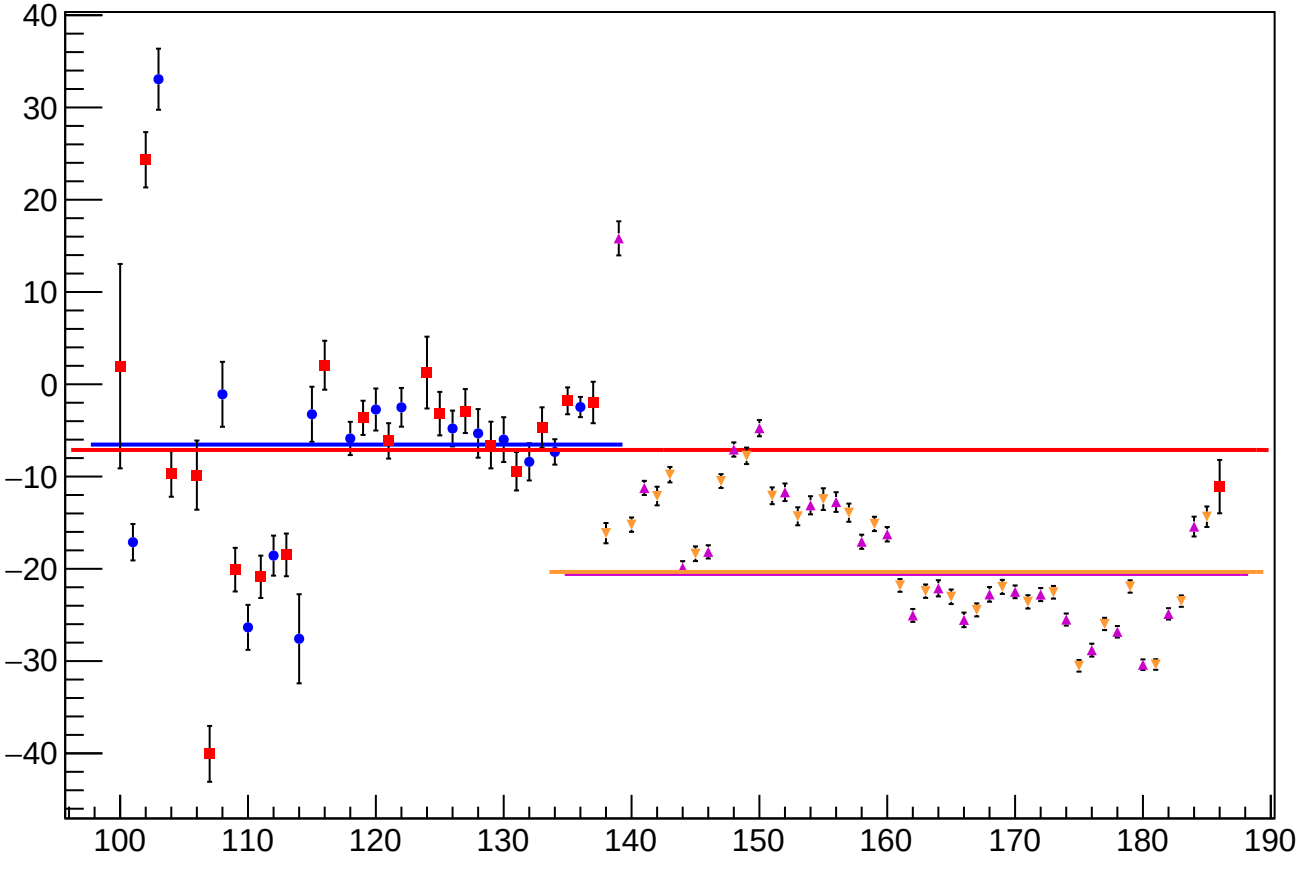
In: -0.184+/-0.136 χ^2/NDF:2974.3/38

Out: 0.136+/-0.132 χ^2/NDF:2794.4/44

All: -0.019+/-0.095 χ^2/NDF: 5771.6/83


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
180
190
Right In: -87.291+/-0.481 χ²/NDF: 101.2/15
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: -88.380+/-0.336 χ²/NDF: 631.7/35
In: -63.258+/-0.169 χ²/NDF:8491.1/38
Out: -63.425+/-0.164 χ²/NDF:10650.0/44
All: -63.344+/-0.118 χ²/NDF: 19141.6/83

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.118+/-0.532 χ^2/NDF: 370.3/19

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

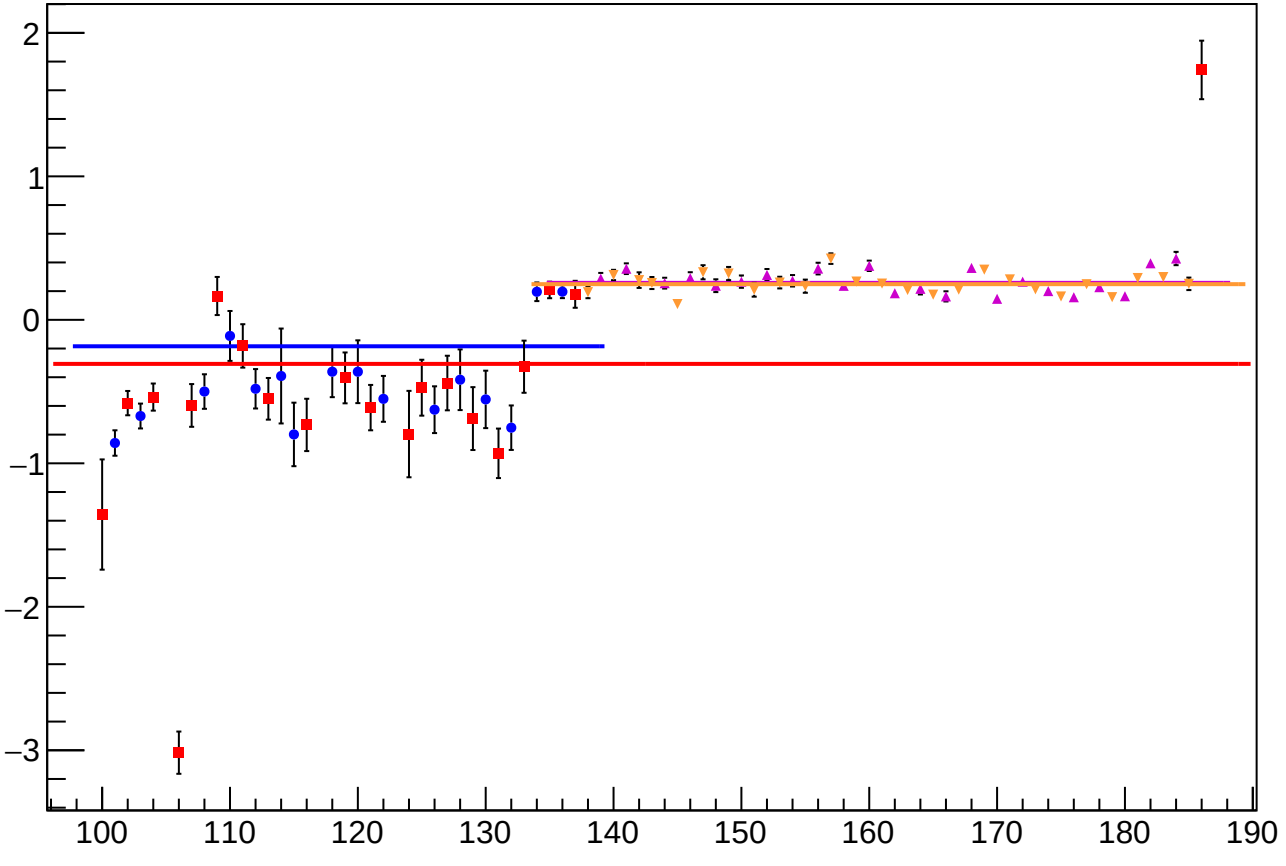
Right: -6.813+/-0.367 χ^2/NDF: 684.8/35

In: -19.295+/-0.152 χ^2/NDF:3201.3/38

Out: -19.311+/-0.148 χ^2/NDF:2640.0/44

All: -19.303+/-0.106 χ^2/NDF: 5841.3/83

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.249+/-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

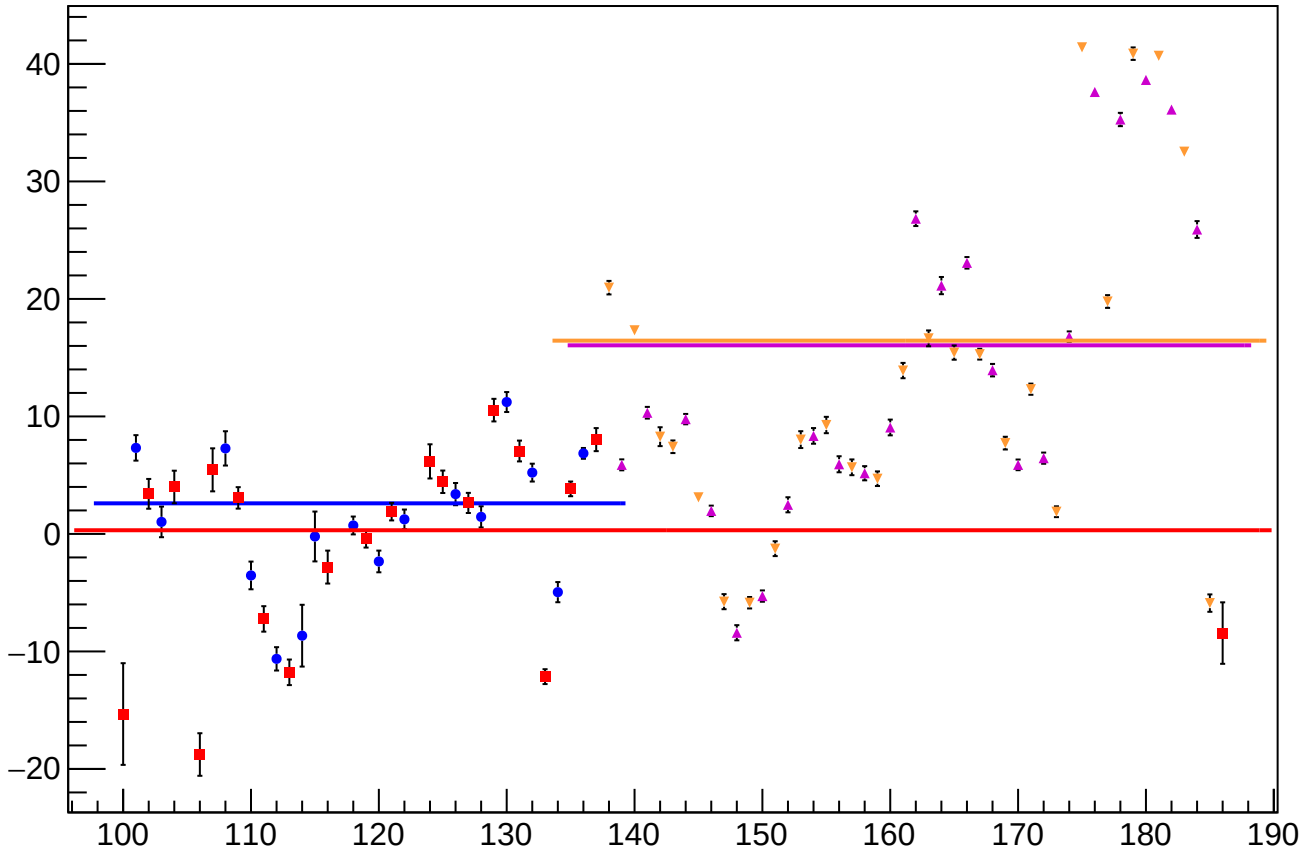
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.241+/-0.020 χ^2/NDF: 876.5/35

In: 0.228+/-0.007 χ^2/NDF:636.3/38

Out: 0.219+/-0.007 χ^2/NDF:1059.4/44

All: 0.223+/-0.005 χ^2/NDF: 1696.7/83



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

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

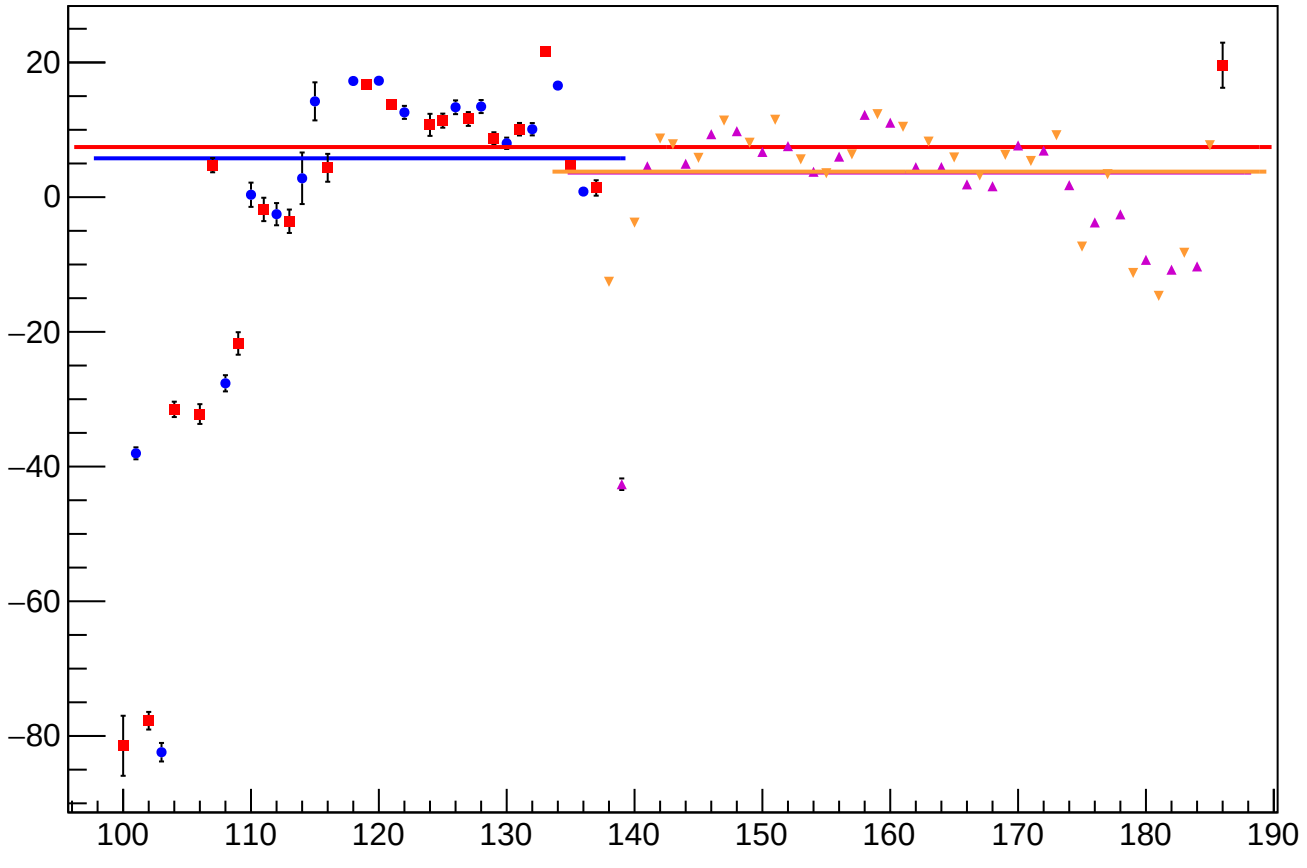
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.445+/-0.158 χ^2/NDF: 1668.1/35

In: 13.546+/-0.097 χ^2/NDF:21128.0/38

Out: 13.533+/-0.094 χ^2/NDF:26792.0/44

All: 13.539+/-0.067 χ^2/NDF: 47919.9/83



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

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

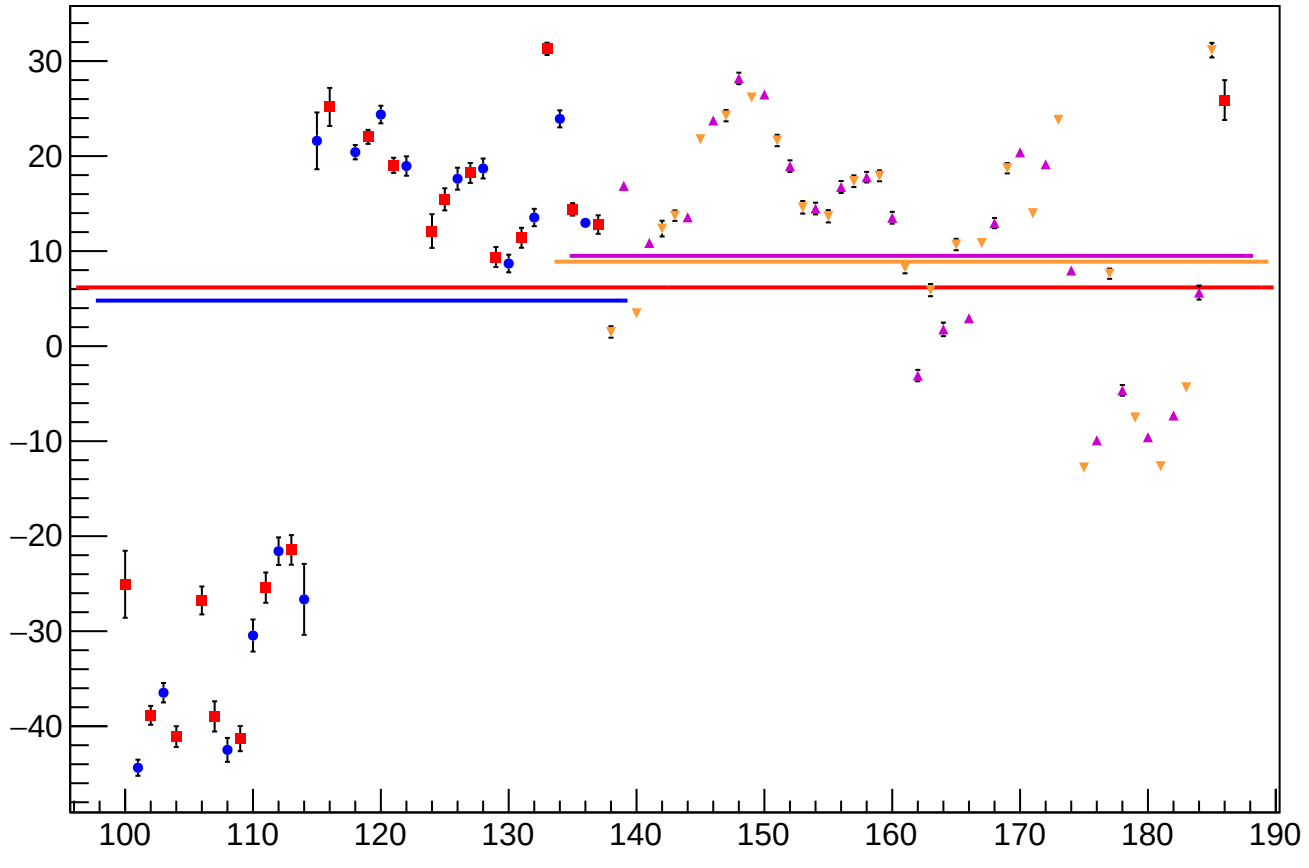
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: 6.610+/-0.148 χ^2/NDF: 17369.6/35

In: 3.935+/-0.077 χ^2/NDF:17332.7/38

Out: 4.260+/-0.075 χ^2/NDF:17771.8/44

All: 4.103+/-0.054 χ^2/NDF: 35113.7/83



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

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

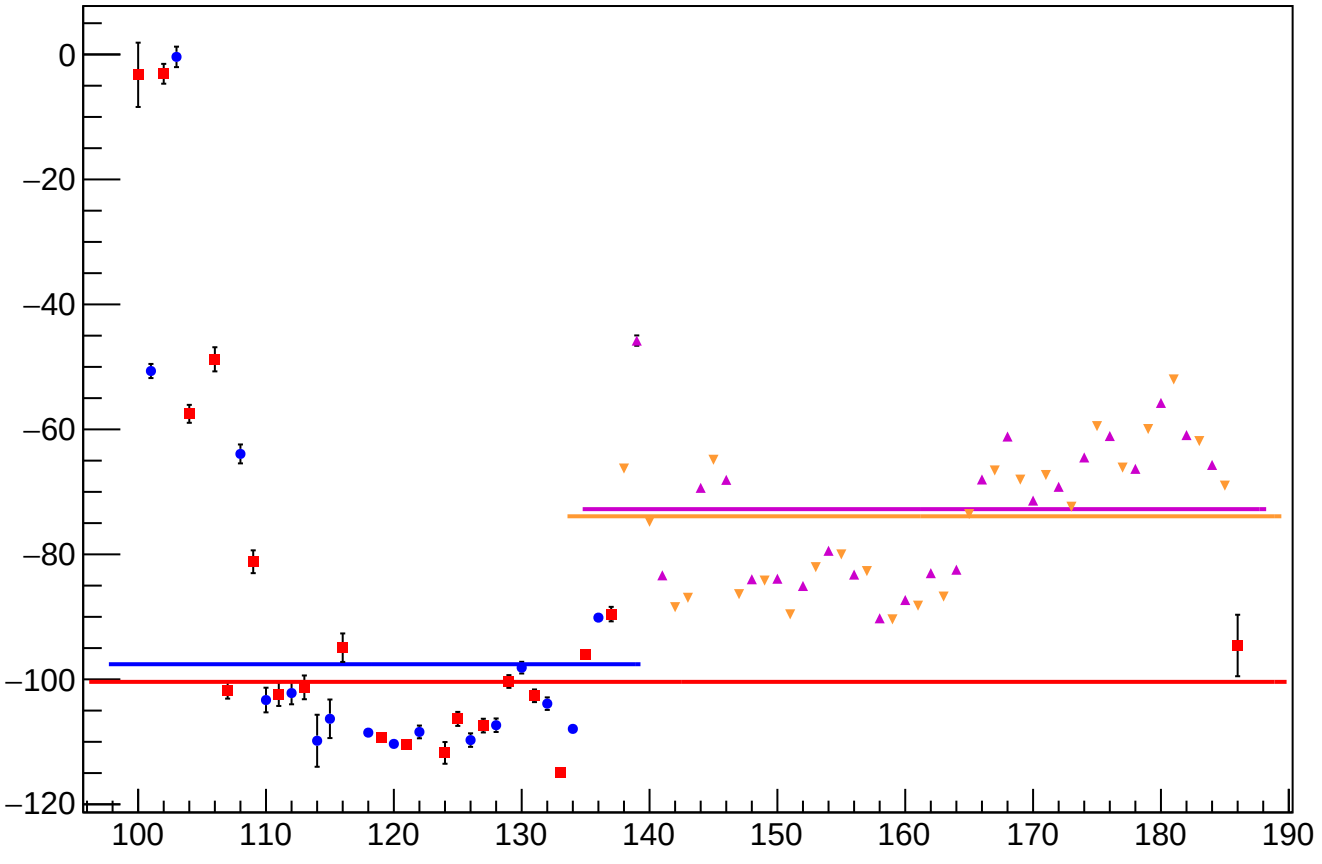
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 5.484+/-0.168 χ^2/NDF: 19662.9/35

In: 8.712+/-0.097 χ^2/NDF:22864.9/38

Out: 8.460+/-0.095 χ^2/NDF:25686.1/44

All: 8.583+/-0.068 χ^2/NDF: 48554.4/83



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -100.404+/-0.241 χ^2/NDF: 7117.1/19

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

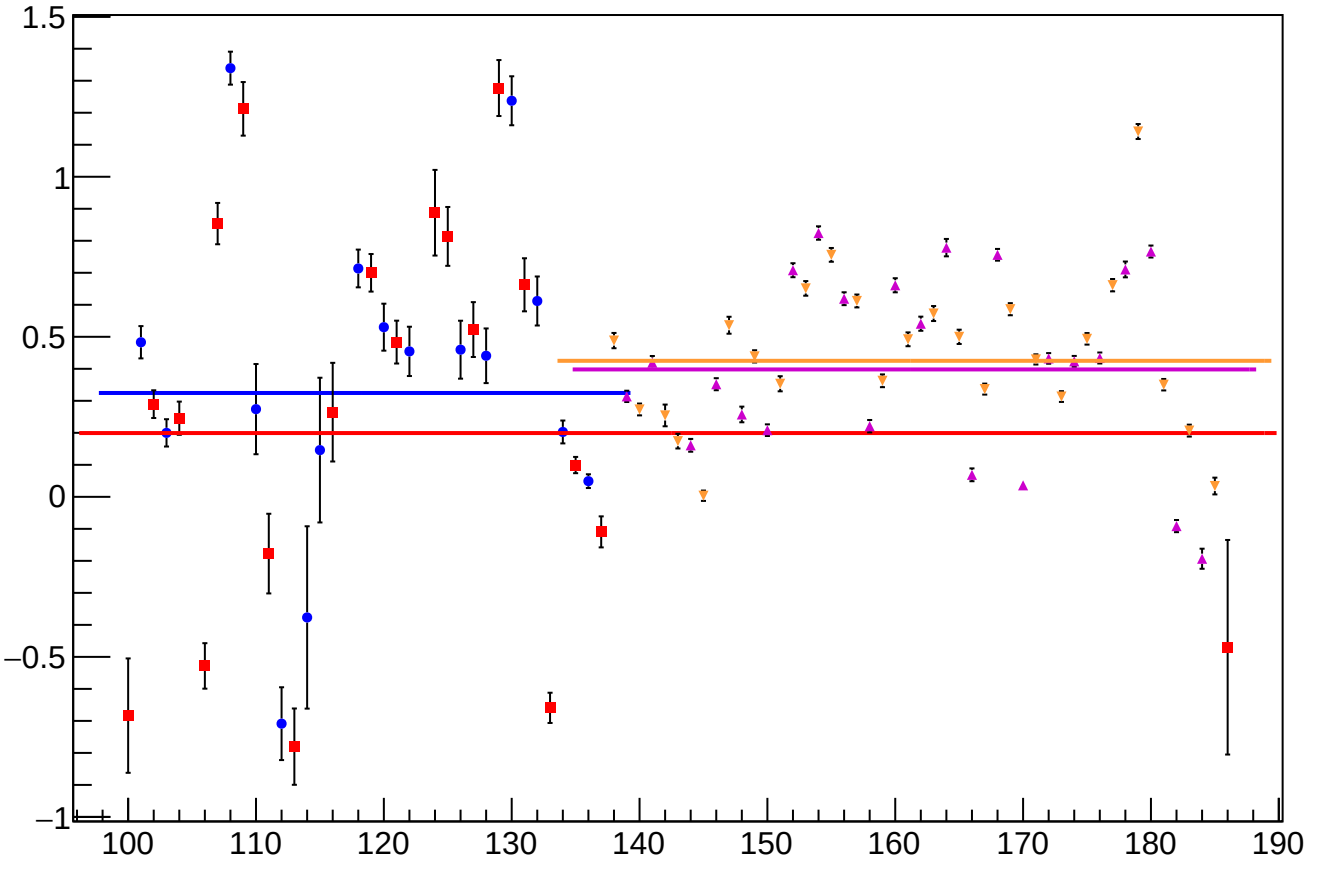
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -98.998+/-0.171 χ^2/NDF: 14329.9/35

In: -75.983+/-0.087 χ^2/NDF:28933.0/38

Out: -77.187+/-0.085 χ^2/NDF:33303.6/44

All: -76.602+/-0.061 χ^2/NDF: 62334.8/83



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

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

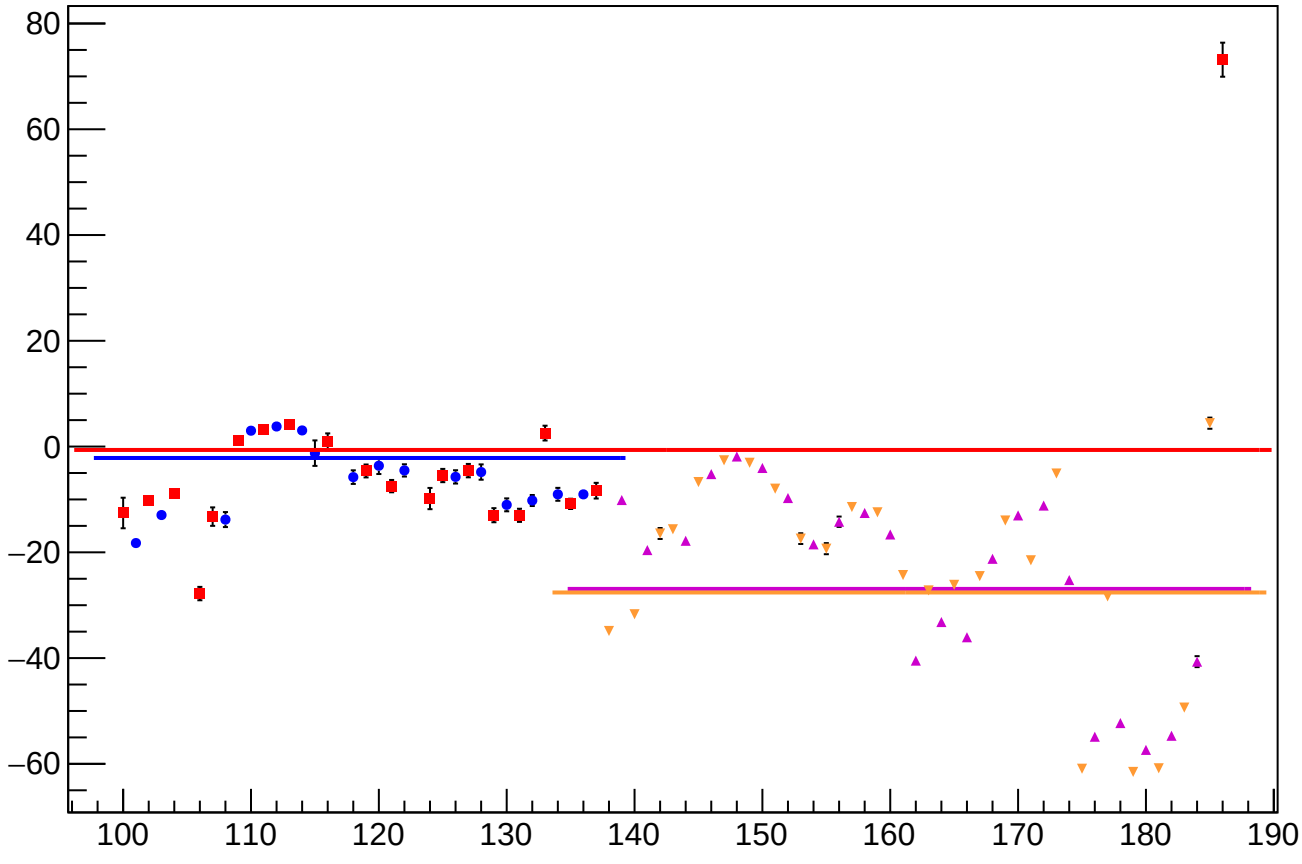
Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

Right: 0.264+/-0.010 χ^2/NDF: 2139.4/35

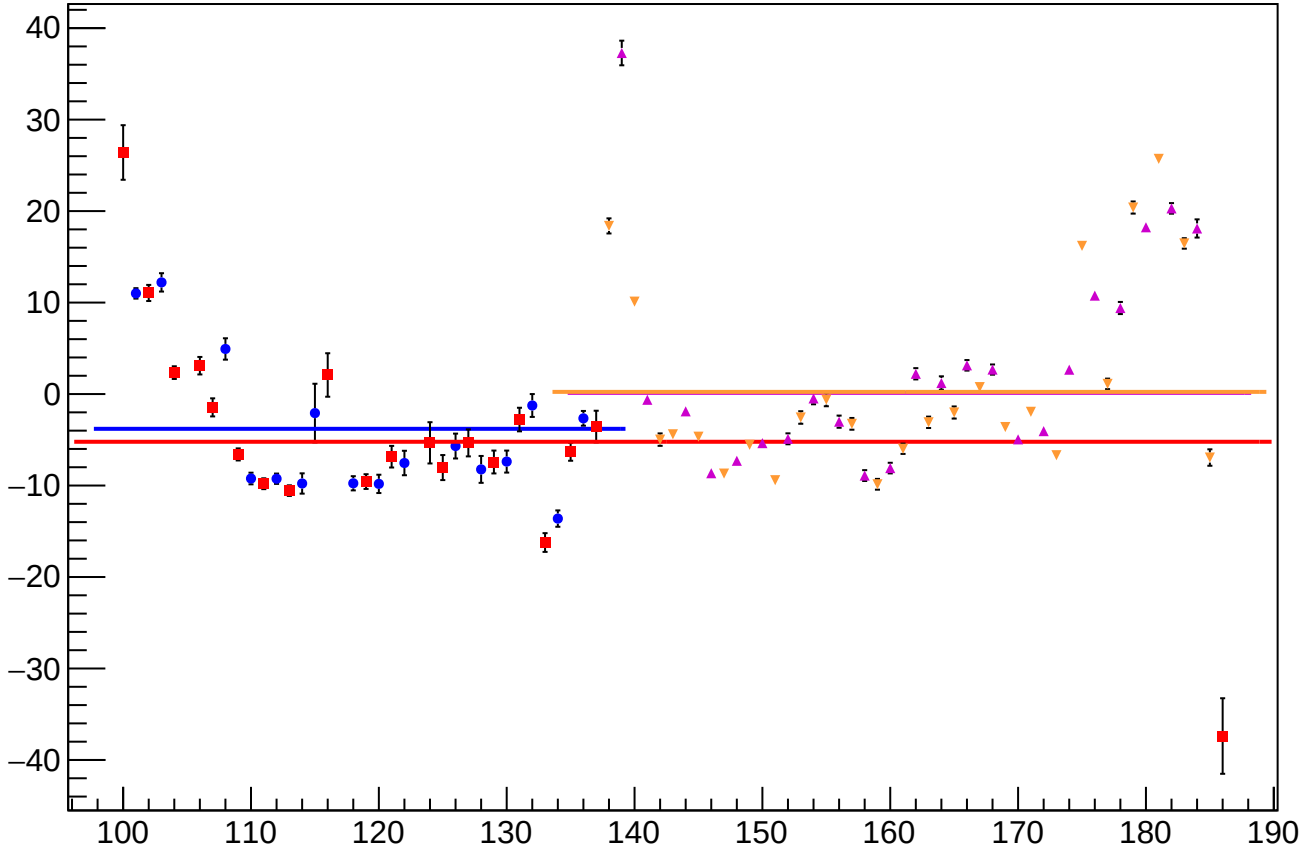
In: 0.392+/-0.004 χ^2/NDF:5185.5/38

Out: 0.407+/-0.004 χ^2/NDF:4490.9/44

All: 0.399+/-0.003 χ^2/NDF: 9684.3/83


reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: -2.159+/-0.192 χ²/NDF: 1491.0/15
Left Out: -27.594+/-0.144 χ²/NDF:19761.6/24
Right Out: -0.642+/-0.170 χ²/NDF: 1992.2/19
Left In: -26.918+/-0.149 χ²/NDF:15536.6/22
Left: -27.267+/-0.104 χ²/NDF: 35308.8/47
Right: -1.309+/-0.127 χ²/NDF: 3518.2/35
In: -17.594+/-0.118 χ²/NDF:27396.2/38
Out: -16.319+/-0.110 χ²/NDF:36346.7/44
All: -16.913+/-0.080 χ²/NDF: 63805.5/83

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: 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

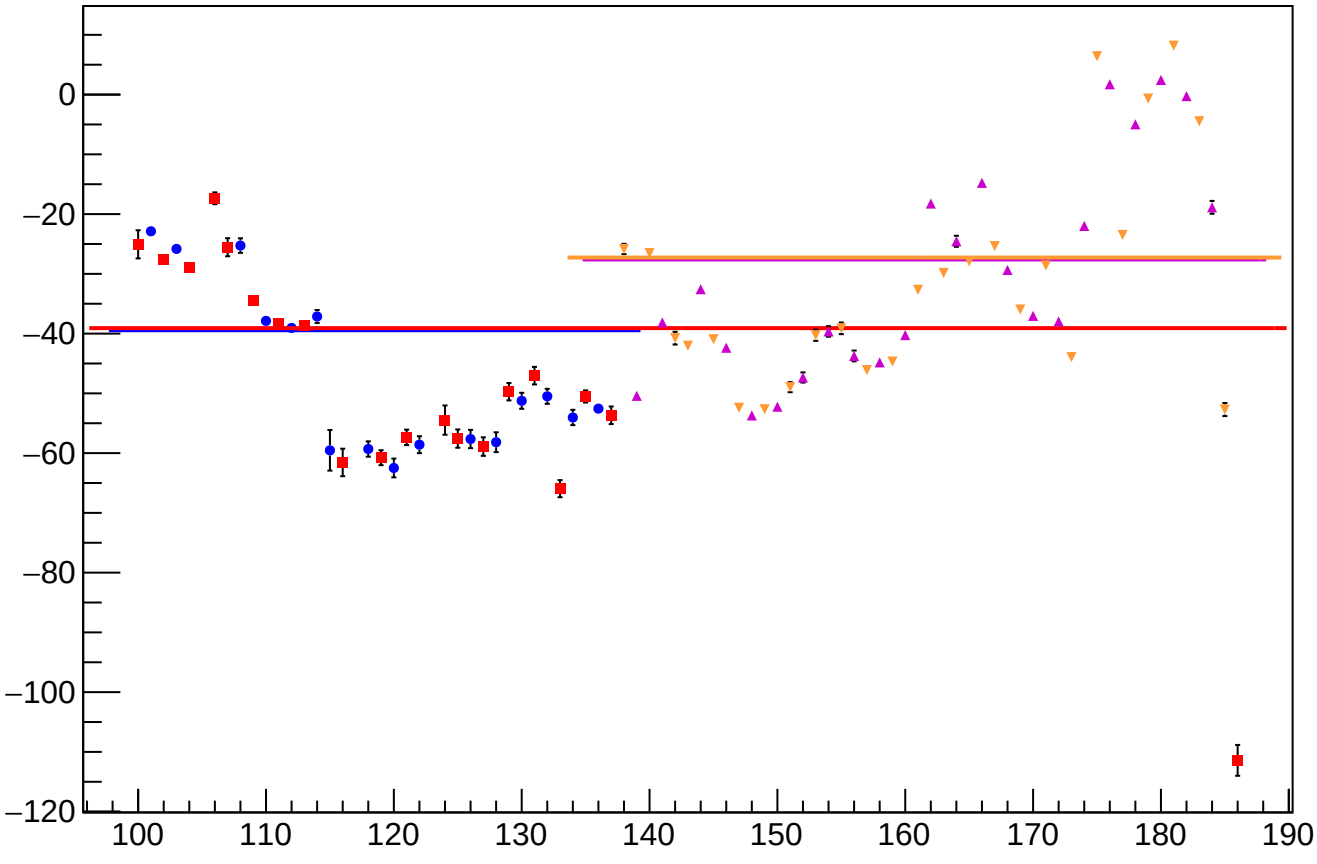
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -4.531+/-0.157 χ^2/NDF: 2487.2/35

In: -0.673+/-0.102 χ^2/NDF:7504.3/38

Out: -0.870+/-0.098 χ^2/NDF:9573.9/44

All: -0.775+/-0.071 χ^2/NDF: 17080.1/83



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

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

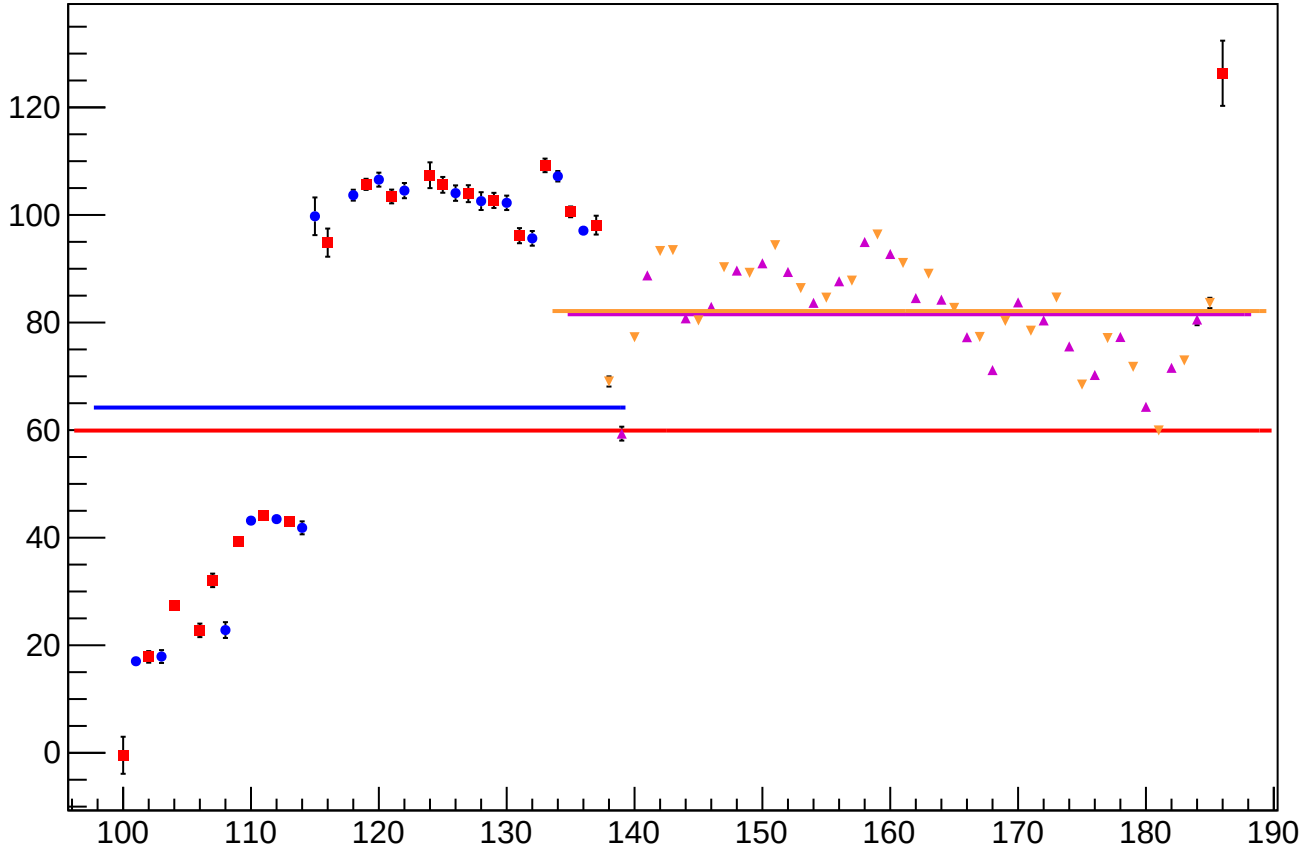
Right: -39.246+/-0.154 χ^2/NDF: 6522.0/35

In: -31.158+/-0.124 χ^2/NDF:20535.3/38

Out: -31.000+/-0.119 χ^2/NDF:24217.1/44

All: -31.076+/-0.086 χ^2/NDF: 44753.2/83

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 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

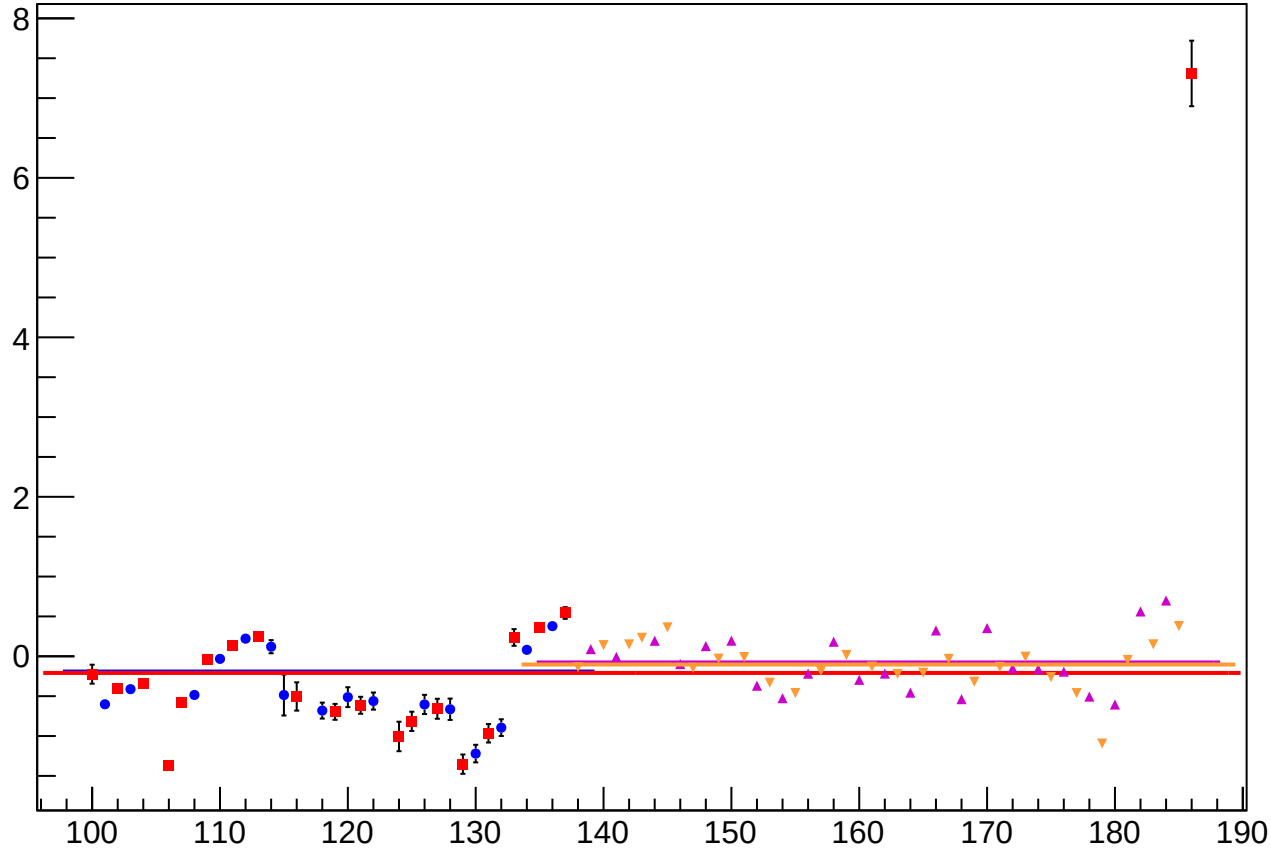
Right: 61.981+/-0.179 χ^2/NDF: 36290.9/35

In: 78.062+/-0.115 χ^2/NDF:26266.1/38

Out: 77.662+/-0.112 χ^2/NDF:29310.3/44

All: 77.855+/-0.080 χ^2/NDF: 55582.7/83

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

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

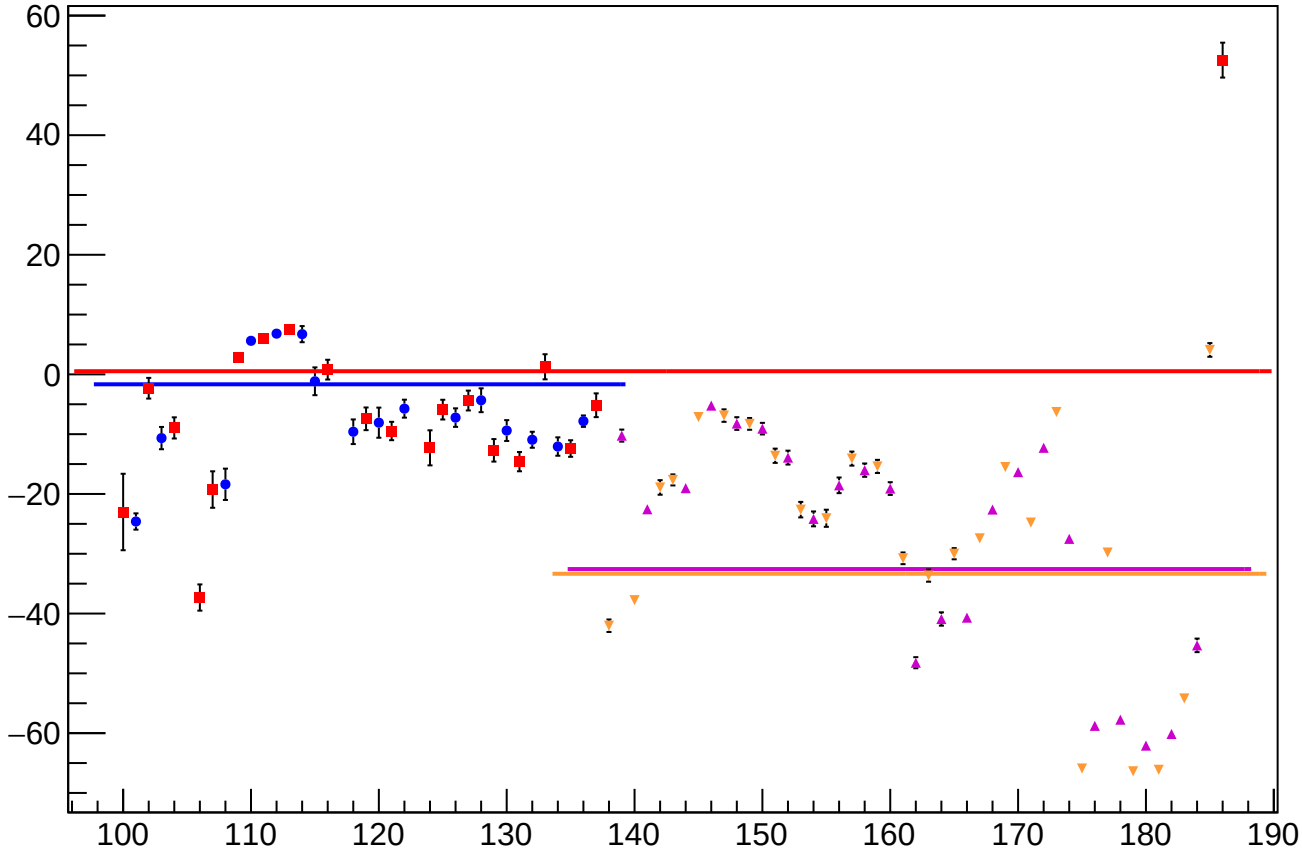
Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

Right: -0.200+/-0.009 χ^2/NDF: 2622.2/35

In: -0.095+/-0.005 χ^2/NDF:4300.2/38

Out: -0.120+/-0.005 χ^2/NDF:4167.3/44

All: -0.108+/-0.004 χ^2/NDF: 8479.3/83



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

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

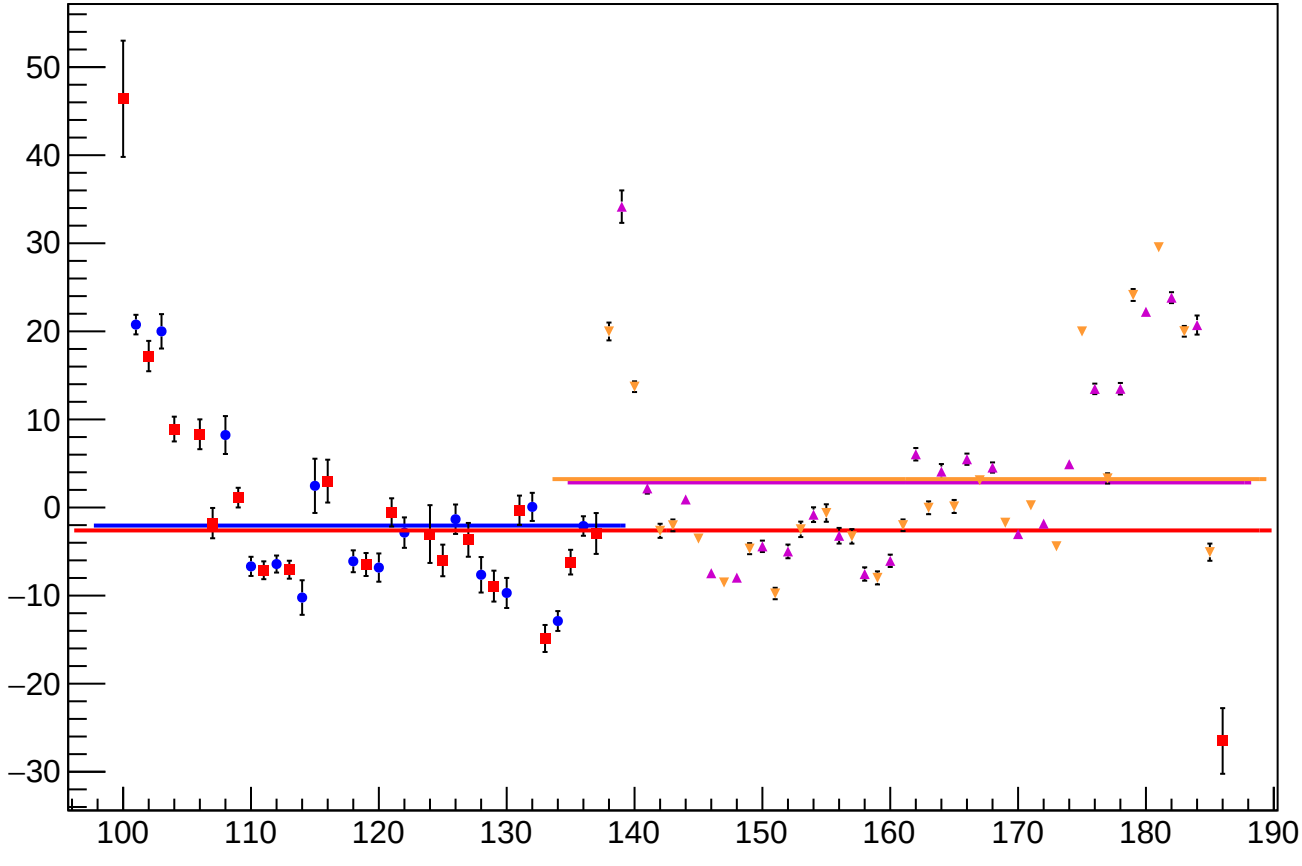
Right: -0.465+/-0.207 χ^2/NDF: 2179.5/35

In: -25.384+/-0.148 χ^2/NDF:22519.6/38

Out: -24.674+/-0.142 χ^2/NDF:30082.7/44

All: -25.013+/-0.103 χ^2/NDF: 52614.2/83

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 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

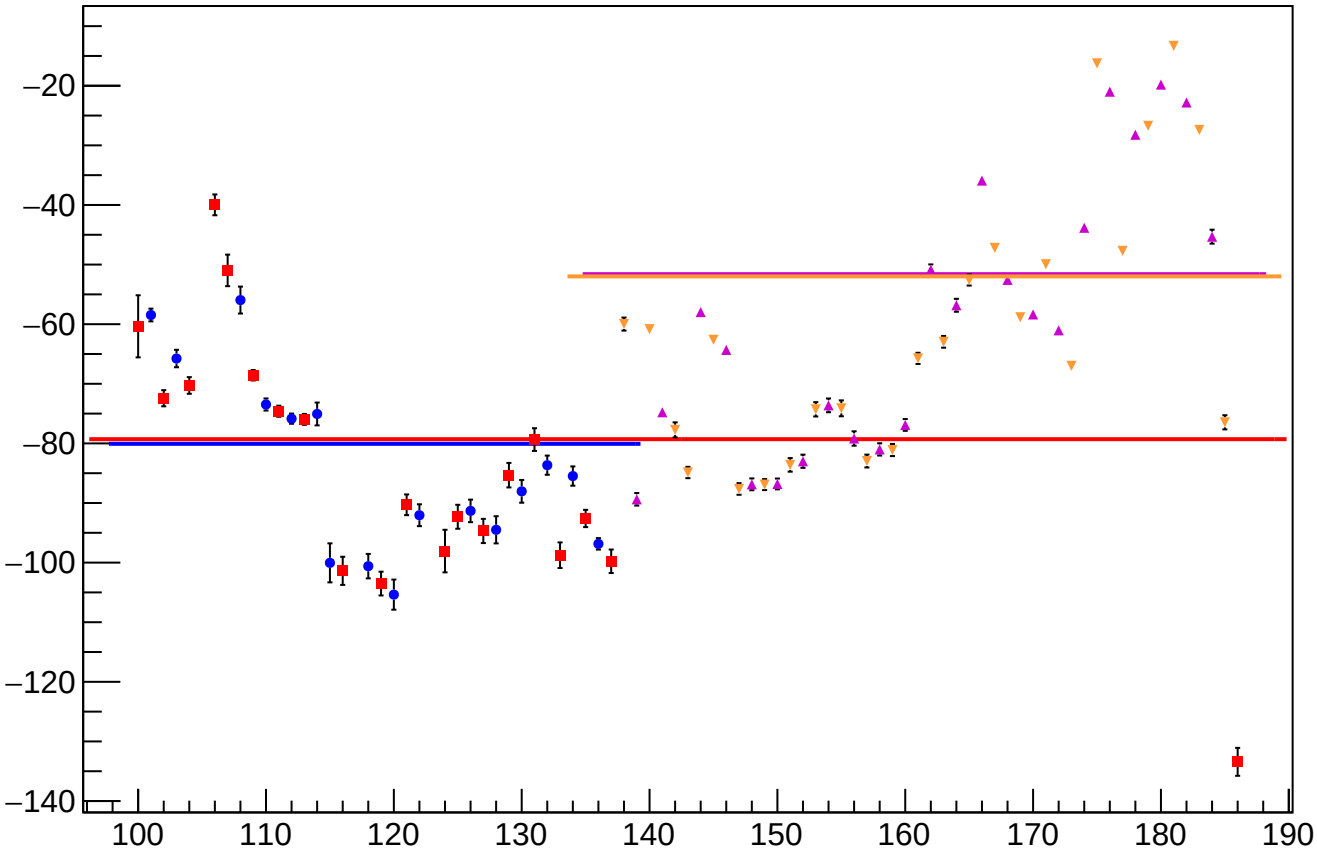
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -2.328+/-0.251 χ^2/NDF: 1265.5/35

In: 2.260+/-0.123 χ^2/NDF:6393.7/38

Out: 2.548+/-0.120 χ^2/NDF:8408.0/44

All: 2.407+/-0.086 χ^2/NDF: 14804.5/83



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

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

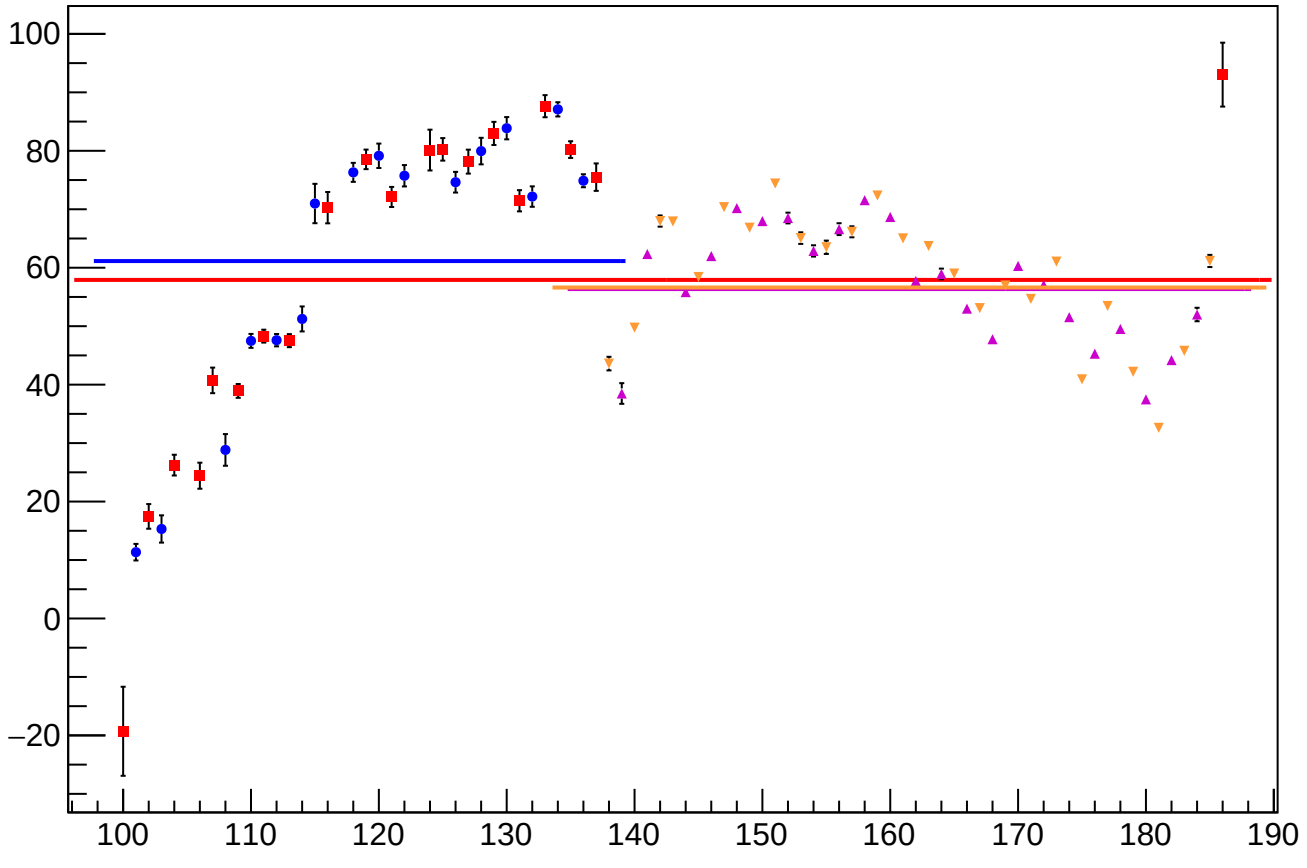
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -79.664+/-0.252 χ^2/NDF: 3497.1/35

In: -56.652+/-0.153 χ^2/NDF:24029.4/38

Out: -56.949+/-0.149 χ^2/NDF:27988.9/44

All: -56.805+/-0.107 χ^2/NDF: 52020.2/83



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

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

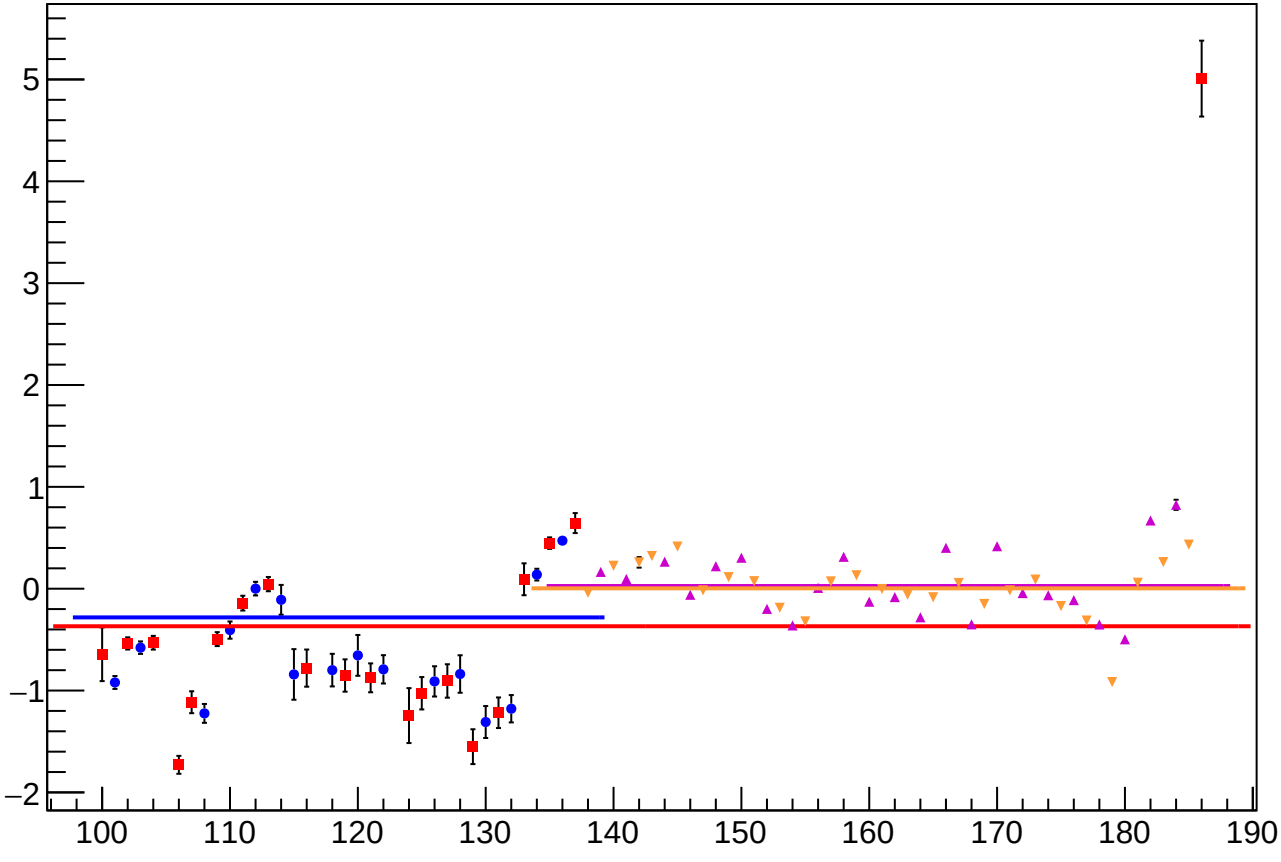
Right: 59.521+/-0.283 χ^2/NDF: 6078.9/35

In: 56.919+/-0.138 χ^2/NDF:7324.0/38

Out: 56.762+/-0.135 χ^2/NDF:8492.7/44

All: 56.839+/-0.097 χ^2/NDF: 15817.3/83

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.004+/-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

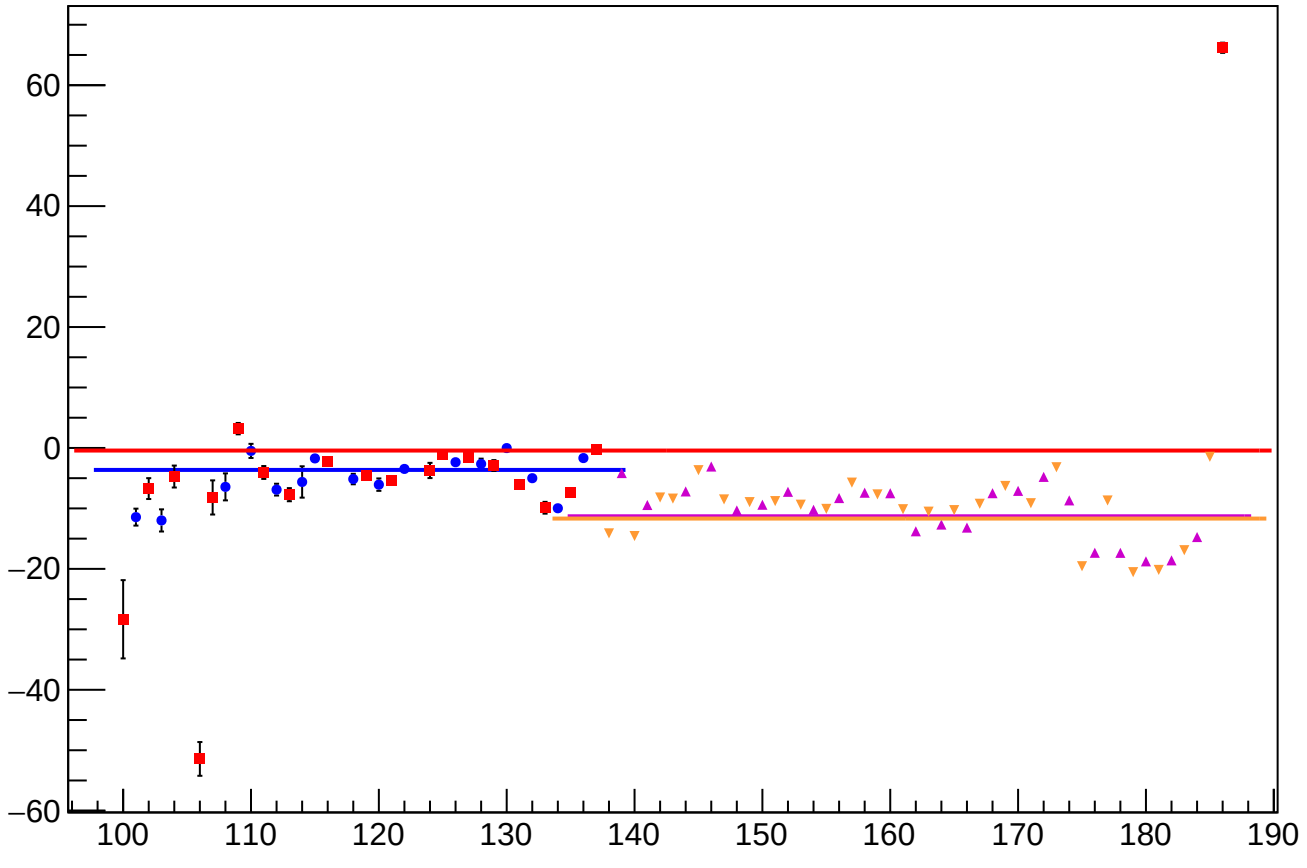
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.325+/-0.015 χ^2/NDF: 1764.0/35

In: 0.000+/-0.006 χ^2/NDF:3262.8/38

Out: -0.026+/-0.006 χ^2/NDF:2995.4/44

All: -0.013+/-0.004 χ^2/NDF: 6267.1/83



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

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

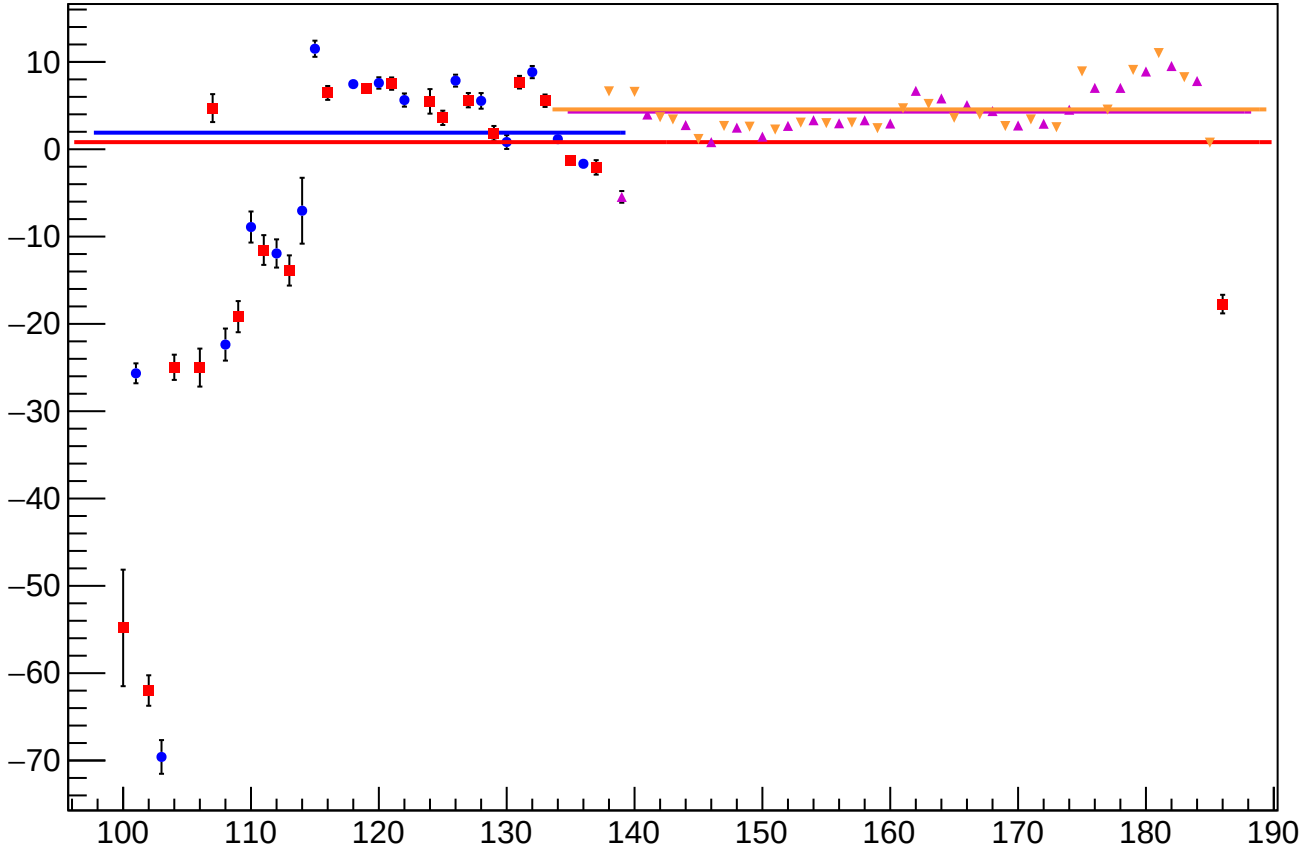
Right: -2.074+/-0.135 χ^2/NDF: 7514.7/35

In: -10.723+/-0.052 χ^2/NDF:10984.9/38

Out: -10.909+/-0.051 χ^2/NDF:22872.5/44

All: -10.818+/-0.036 χ^2/NDF: 33863.9/83

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 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

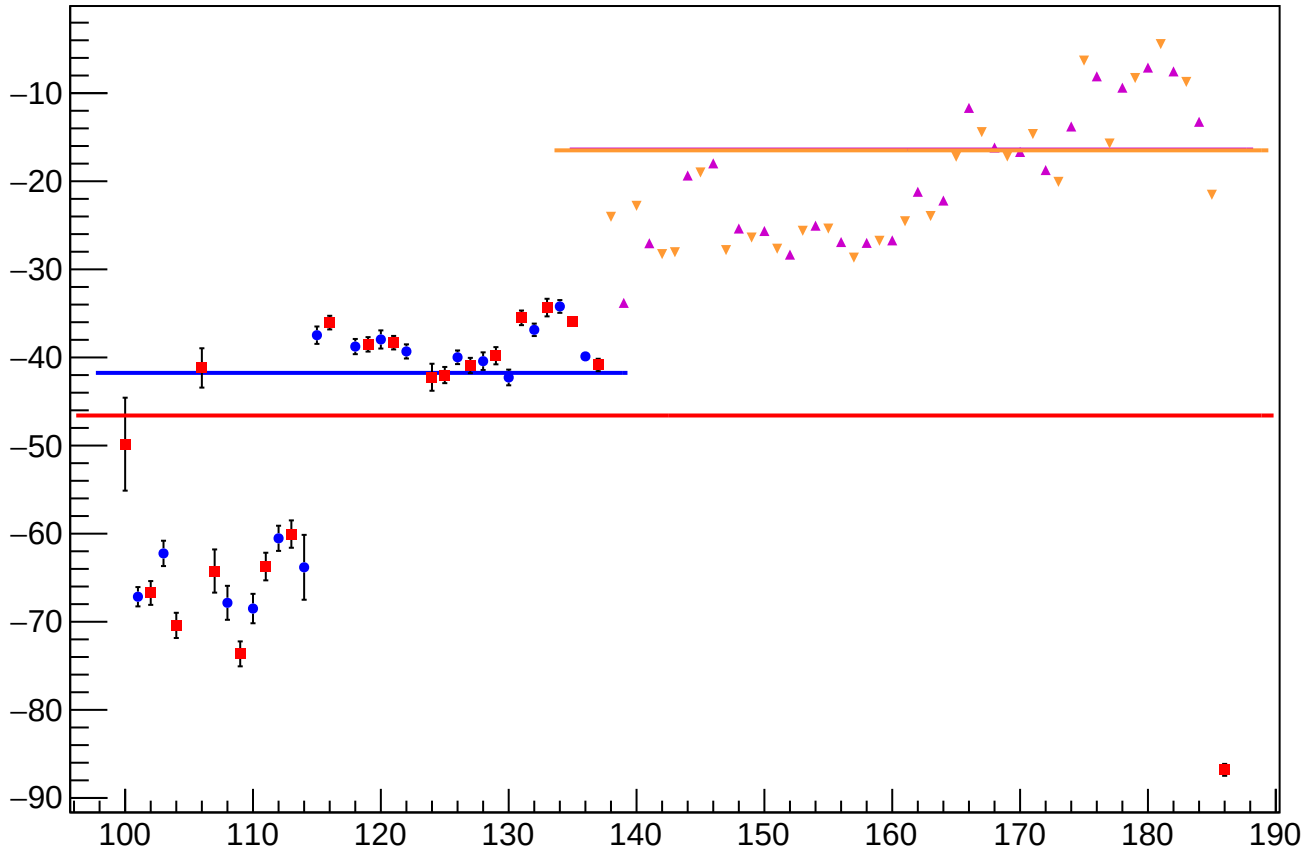
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.399+/-0.139 χ^2/NDF: 5728.7/35

In: 4.194+/-0.041 χ^2/NDF:6602.0/38

Out: 4.416+/-0.041 χ^2/NDF:7555.0/44

All: 4.307+/-0.029 χ^2/NDF: 14171.8/83



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

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

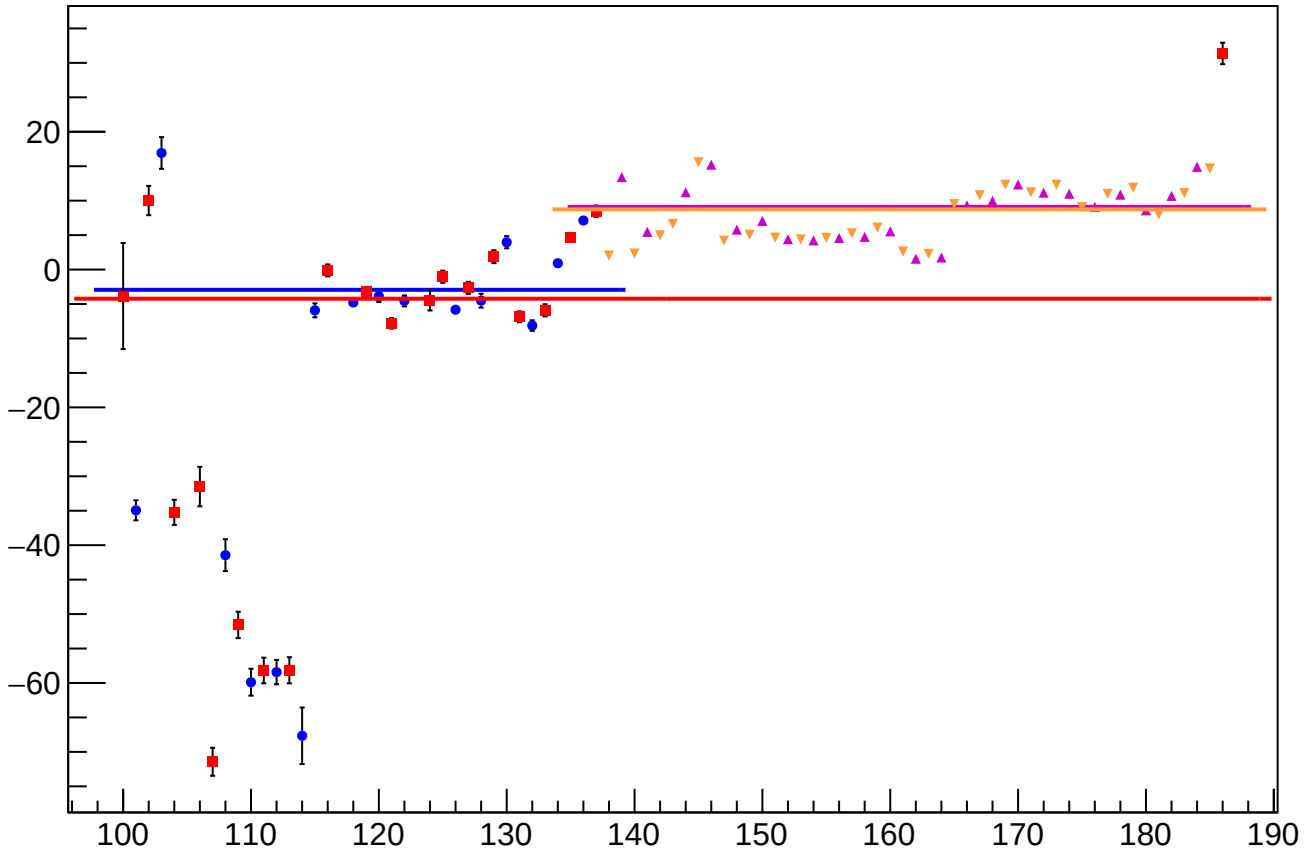
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -44.071+/-0.150 χ^2/NDF: 7826.9/35

In: -18.004+/-0.052 χ^2/NDF:33629.6/38

Out: -18.184+/-0.051 χ^2/NDF:46194.4/44

All: -18.096+/-0.037 χ^2/NDF: 79830.1/83



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

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

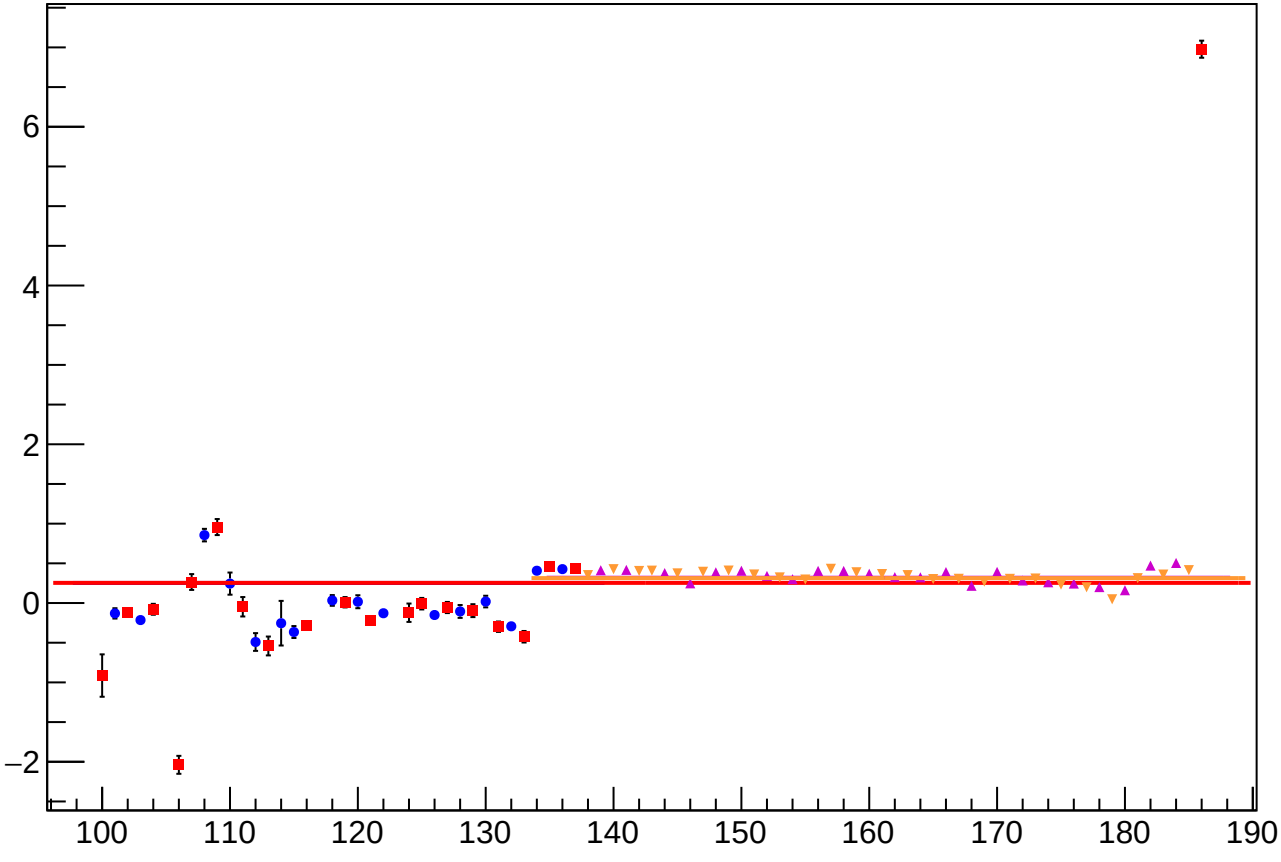
Right: -3.526+/-0.155 χ^2/NDF: 8653.1/35

In: 8.518+/-0.046 χ^2/NDF:12600.6/38

Out: 8.229+/-0.045 χ^2/NDF:14858.8/44

All: 8.371+/-0.032 χ^2/NDF: 27479.6/83

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

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

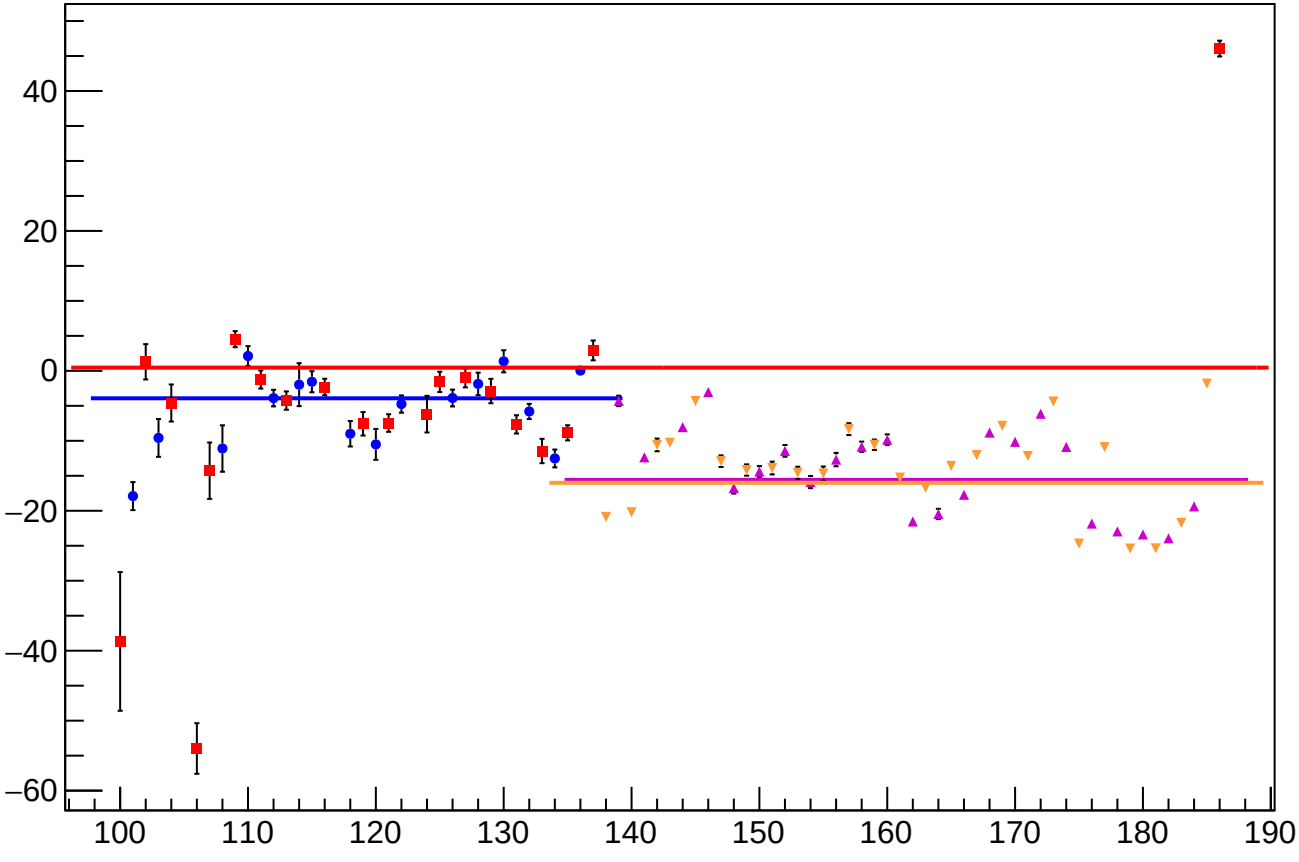
Right: 0.253+/-0.009 χ^2/NDF: 5615.2/35

In: 0.317+/-0.002 χ^2/NDF:2450.6/38

Out: 0.313+/-0.002 χ^2/NDF:6606.4/44

All: 0.314+/-0.001 χ^2/NDF: 9058.9/83

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

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

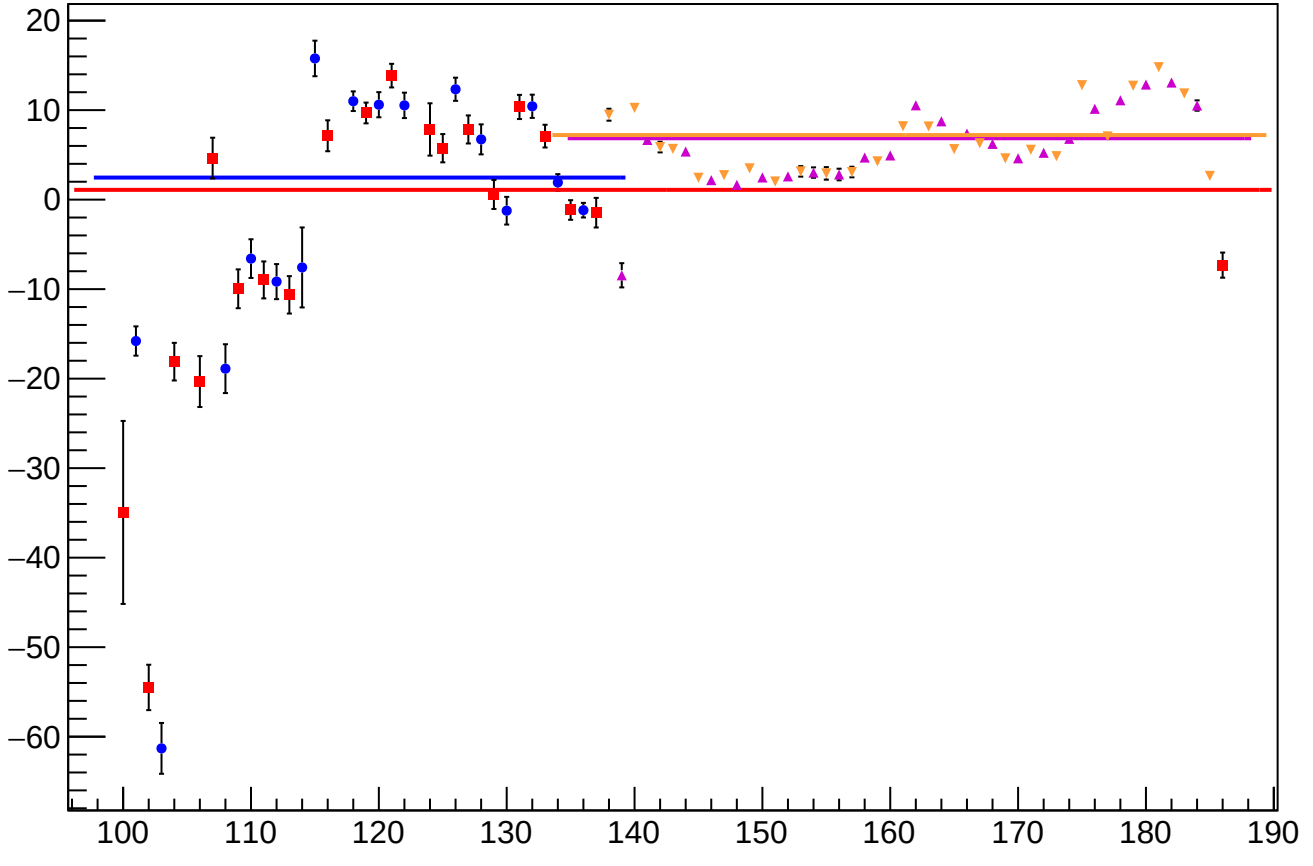
Right: -1.695+/-0.243 χ^2/NDF: 2432.2/35

In: -14.650+/-0.098 χ^2/NDF:5993.1/38

Out: -14.706+/-0.095 χ^2/NDF:10281.3/44

All: -14.679+/-0.068 χ^2/NDF: 16274.5/83

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 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

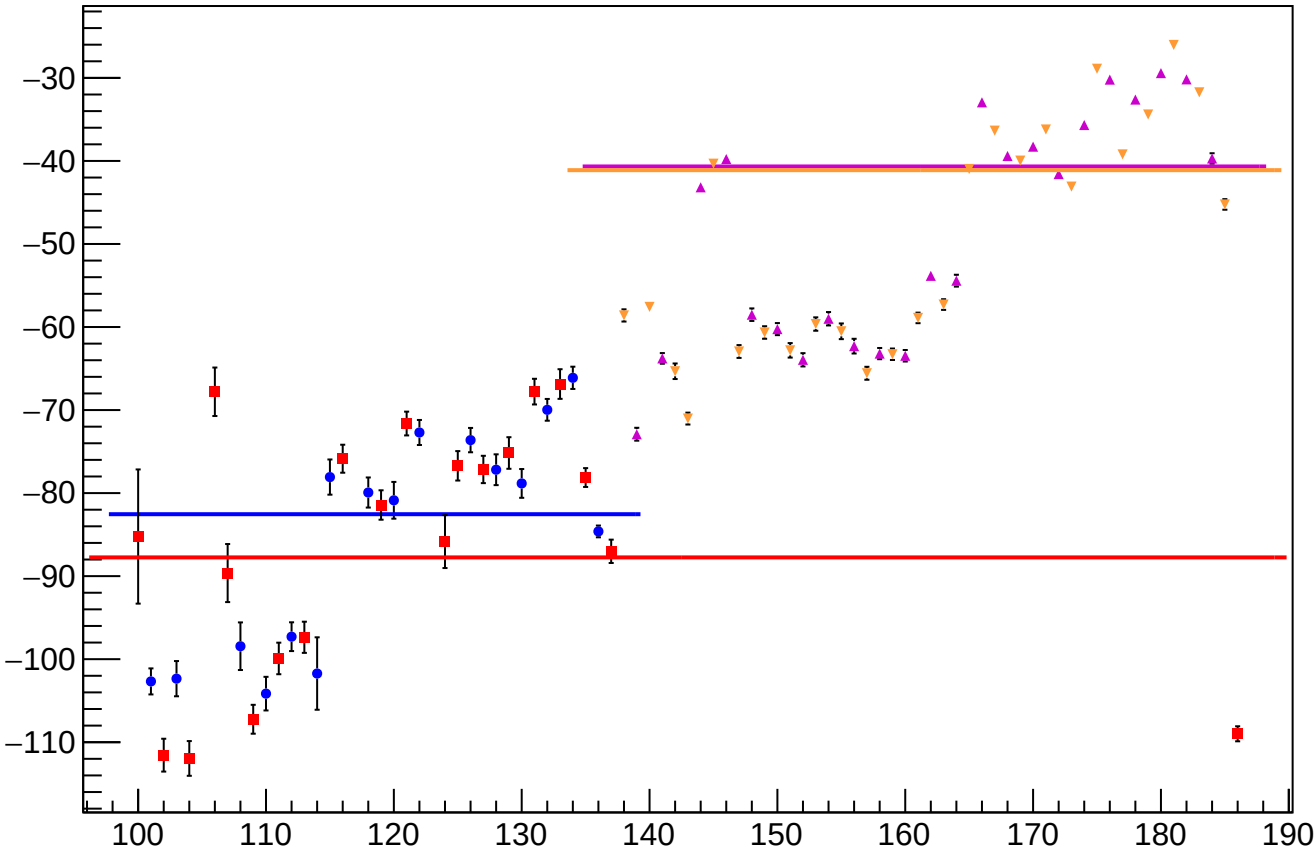
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.808+/-0.258 χ^2/NDF: 2075.5/35

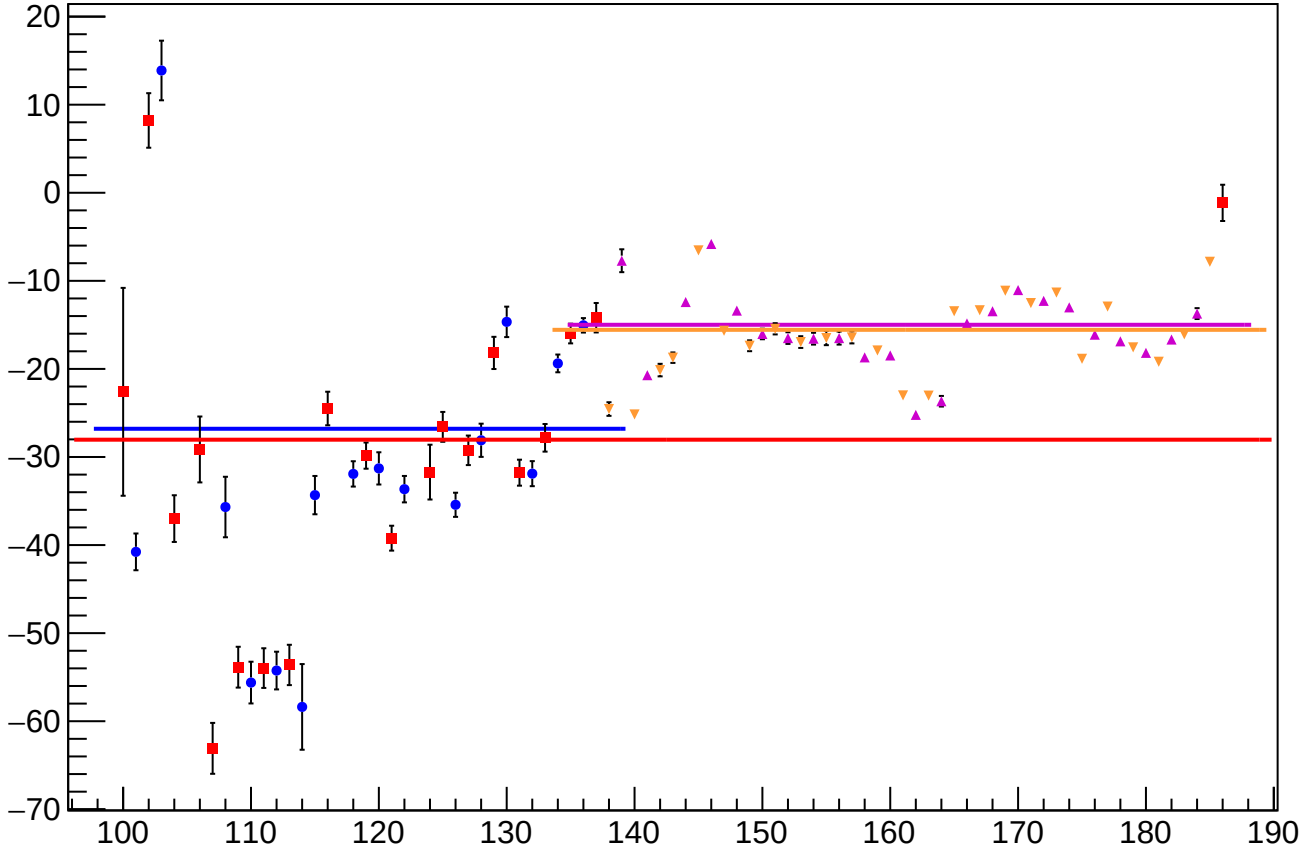
In: 6.640+/-0.079 χ^2/NDF:3347.2/38

Out: 6.941+/-0.078 χ^2/NDF:3735.9/44

All: 6.792+/-0.056 χ^2/NDF: 7090.3/83


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: -82.542+/-0.384 χ²/NDF: 838.8/15
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: -85.196+/-0.269 χ²/NDF: 2691.8/35
In: -43.432+/-0.099 χ²/NDF:25469.0/38
Out: -44.182+/-0.097 χ²/NDF:32080.6/44
All: -43.815+/-0.069 χ²/NDF: 57579.1/83

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.562+/-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

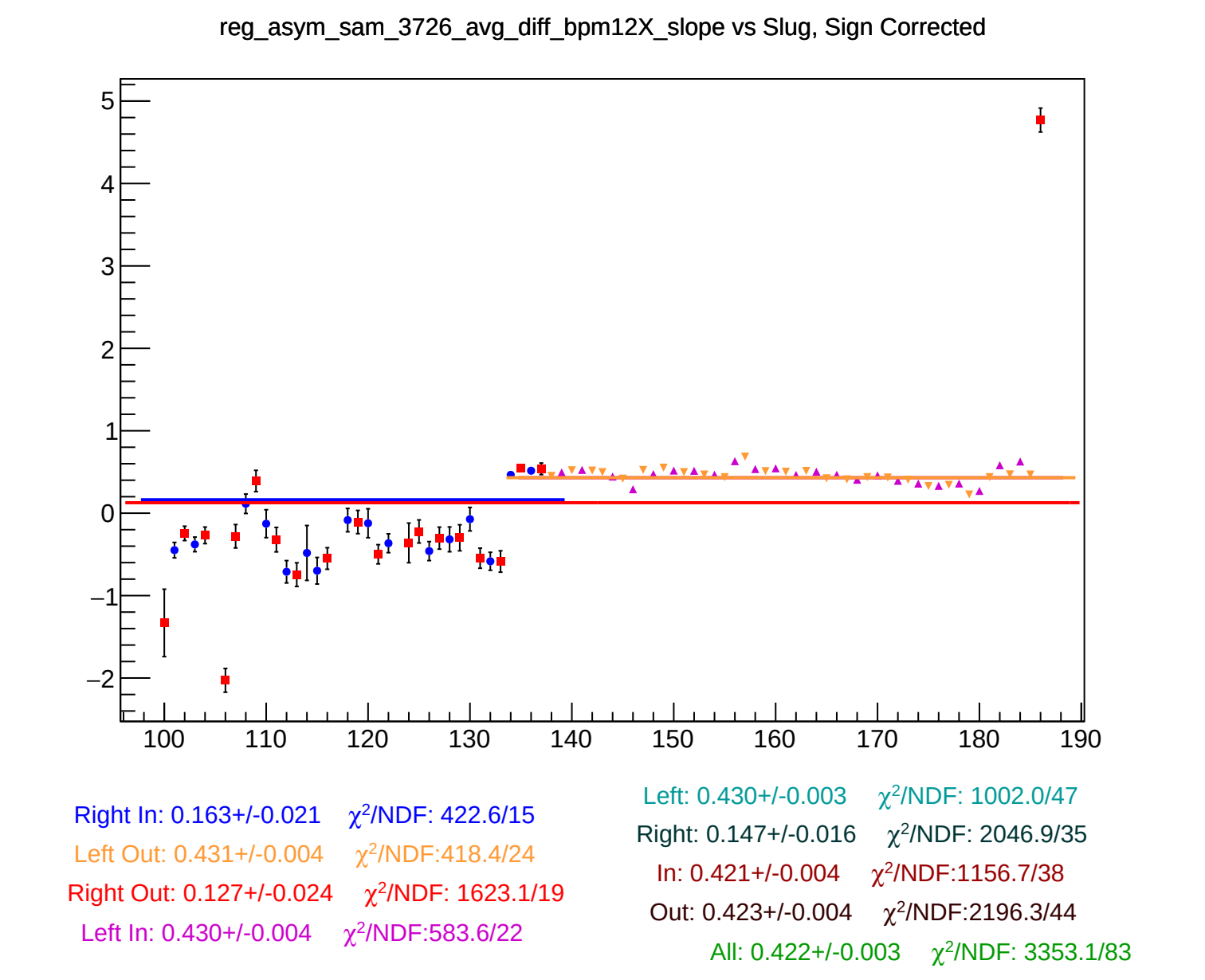
Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

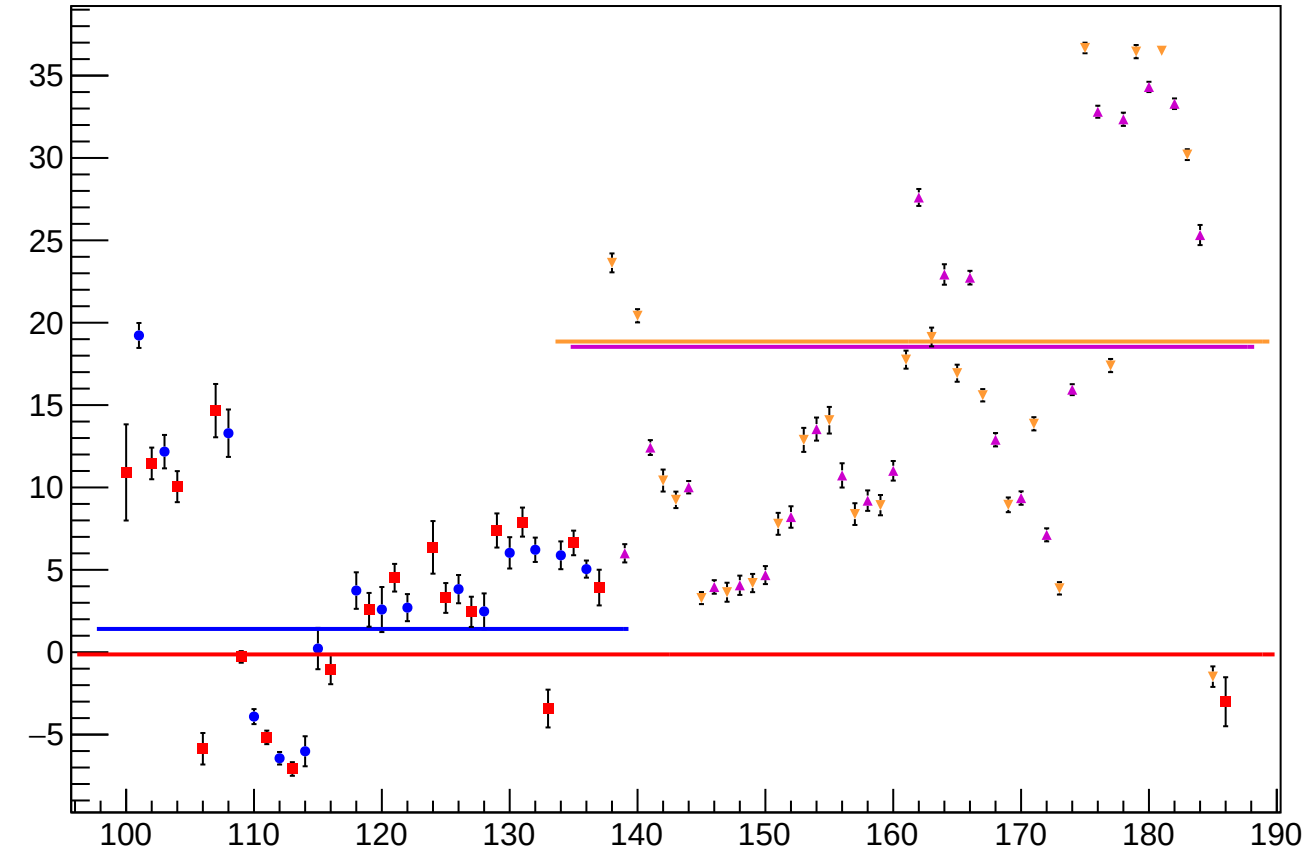
Right: -27.376+/-0.289 χ^2/NDF: 2106.9/35

In: -15.574+/-0.088 χ^2/NDF:3960.9/38

Out: -16.092+/-0.087 χ^2/NDF:4525.2/44

All: -15.836+/-0.062 χ^2/NDF: 8503.6/83


reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.163+/-0.021 χ²/NDF: 422.6/15
Left Out: 0.431+/-0.004 χ²/NDF:418.4/24
Right Out: 0.127+/-0.024 χ²/NDF: 1623.1/19
Left In: 0.430+/-0.004 χ²/NDF:583.6/22
Left: 0.430+/-0.003 χ²/NDF: 1002.0/47
Right: 0.147+/-0.016 χ²/NDF: 2046.9/35
In: 0.421+/-0.004 χ²/NDF:1156.7/38
Out: 0.423+/-0.004 χ²/NDF:2196.3/44
All: 0.422+/-0.003 χ²/NDF: 3353.1/83



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

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

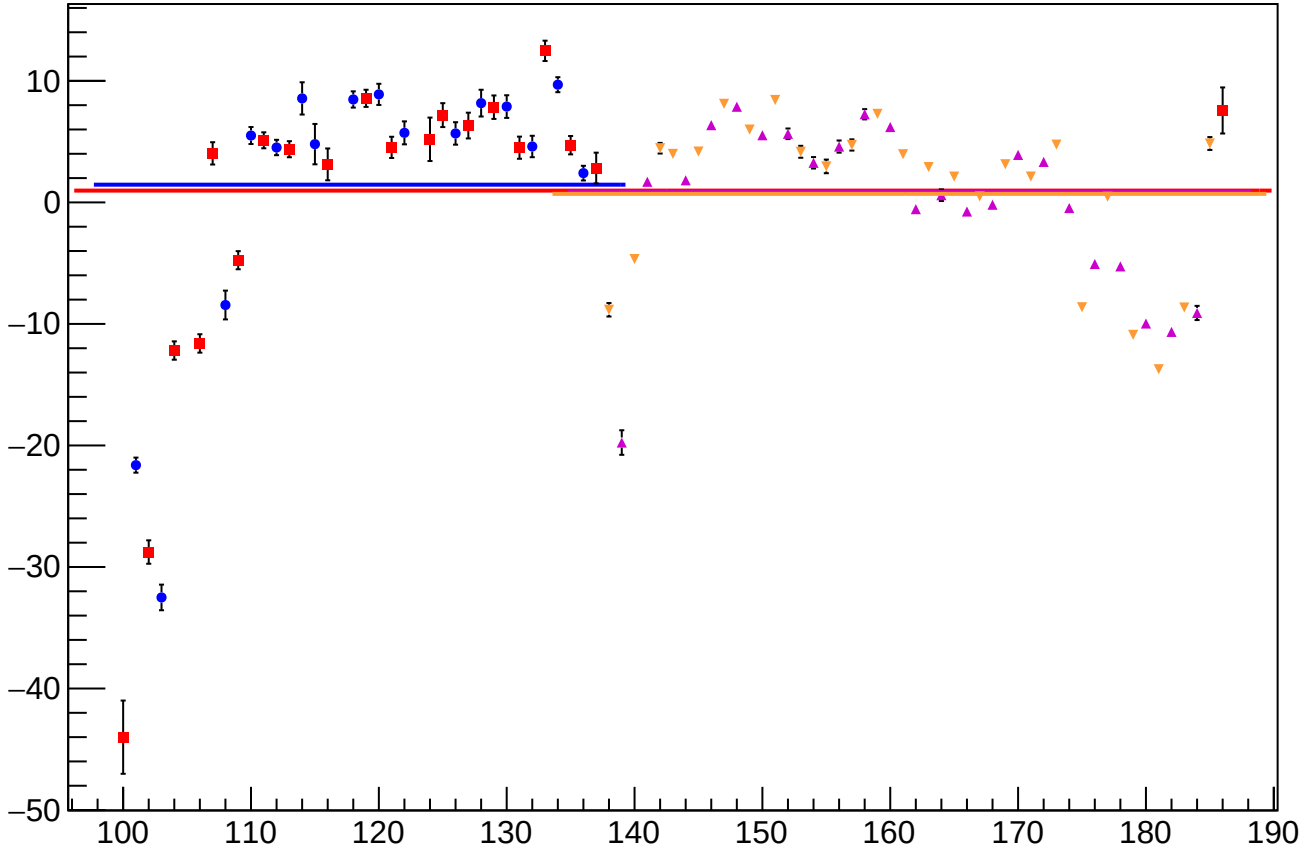
Right: 0.565+/-0.123 χ^2/NDF: 2712.2/35

In: 15.009+/-0.083 χ^2/NDF:22533.0/38

Out: 14.527+/-0.079 χ^2/NDF:29588.2/44

All: 14.757+/-0.057 χ^2/NDF: 52138.8/83

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

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

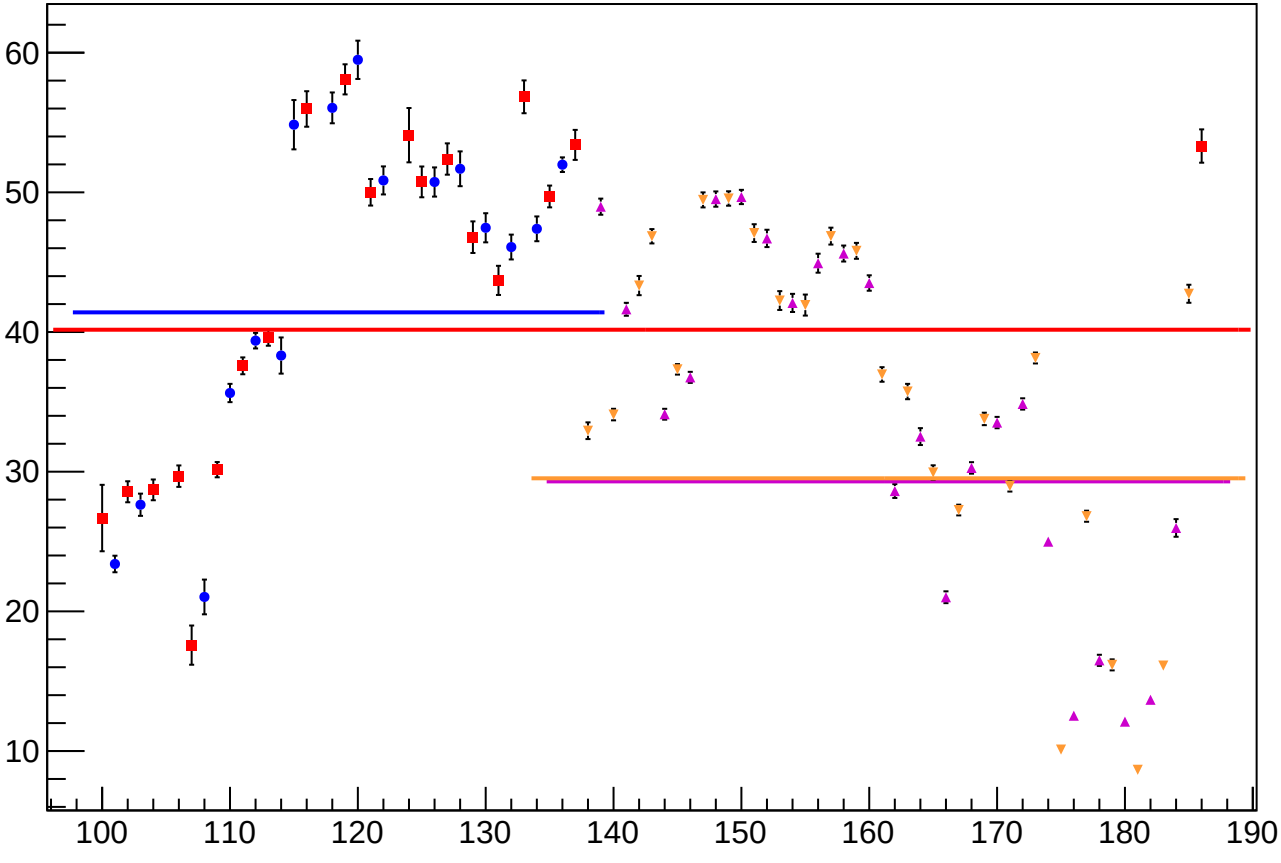
Right: 1.212+/-0.143 χ^2/NDF: 5472.5/35

In: 0.915+/-0.068 χ^2/NDF:9133.7/38

Out: 0.732+/-0.067 χ^2/NDF:10628.7/44

All: 0.821+/-0.048 χ^2/NDF: 19766.1/83

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 40.164+/-0.200 χ^2/NDF: 2778.8/19

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

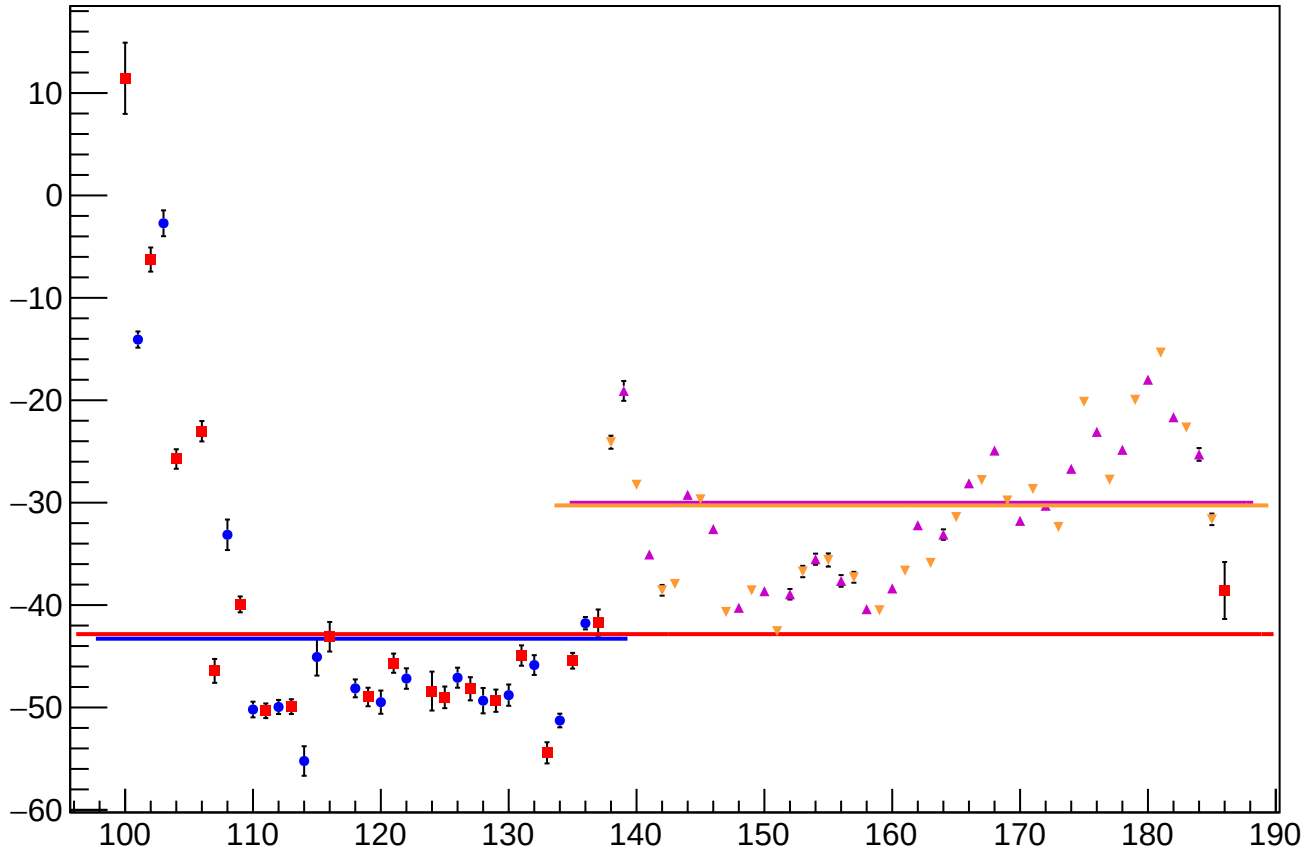
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 40.754+/-0.145 χ^2/NDF: 5543.1/35

In: 31.283+/-0.085 χ^2/NDF:23377.5/38

Out: 31.337+/-0.083 χ^2/NDF:26210.1/44

All: 31.311+/-0.059 χ^2/NDF: 49587.8/83



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

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

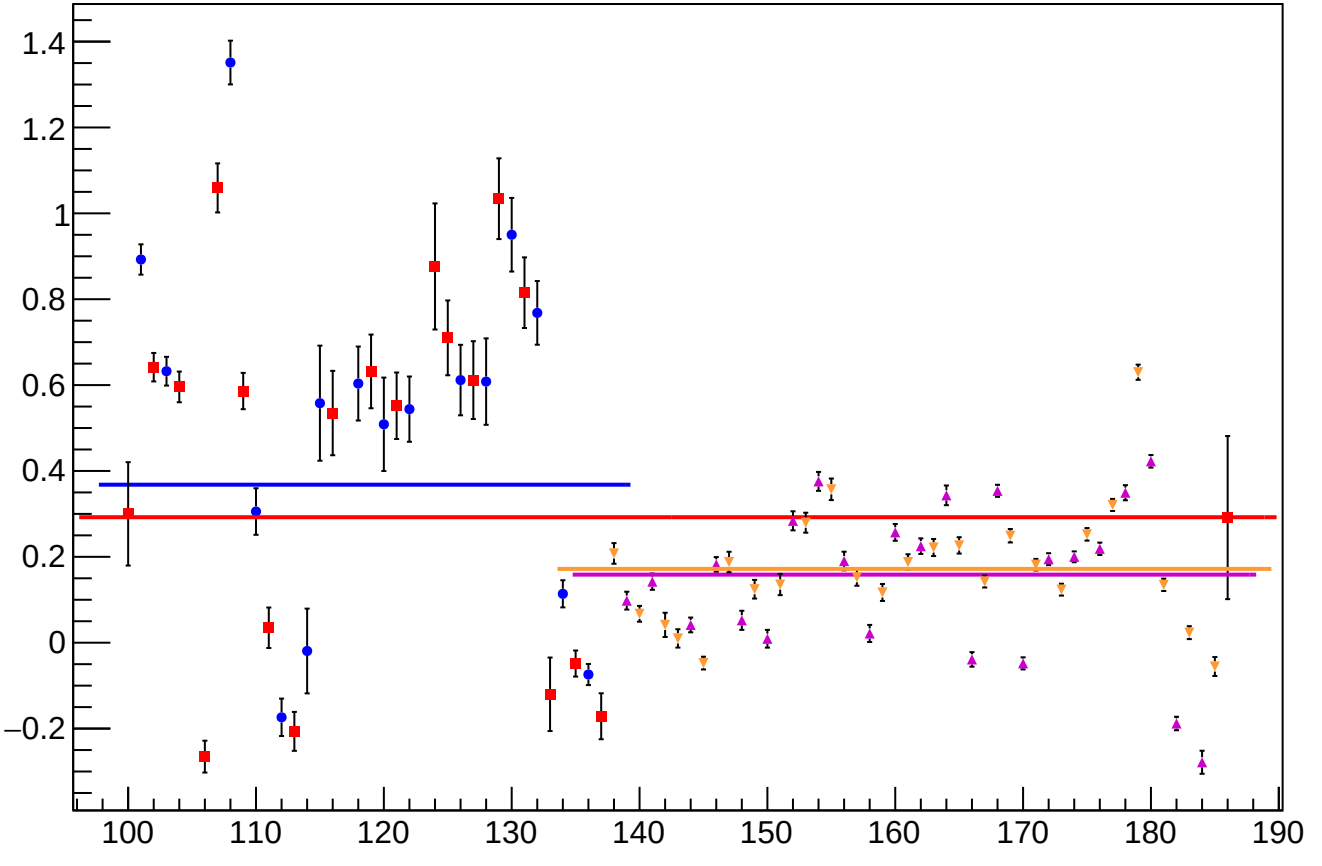
Right: -43.061+/-0.162 χ^2/NDF: 5443.7/35

In: -31.494+/-0.077 χ^2/NDF:12044.2/38

Out: -31.620+/-0.075 χ^2/NDF:13663.2/44

All: -31.559+/-0.054 χ^2/NDF: 25708.8/83

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.172+/-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

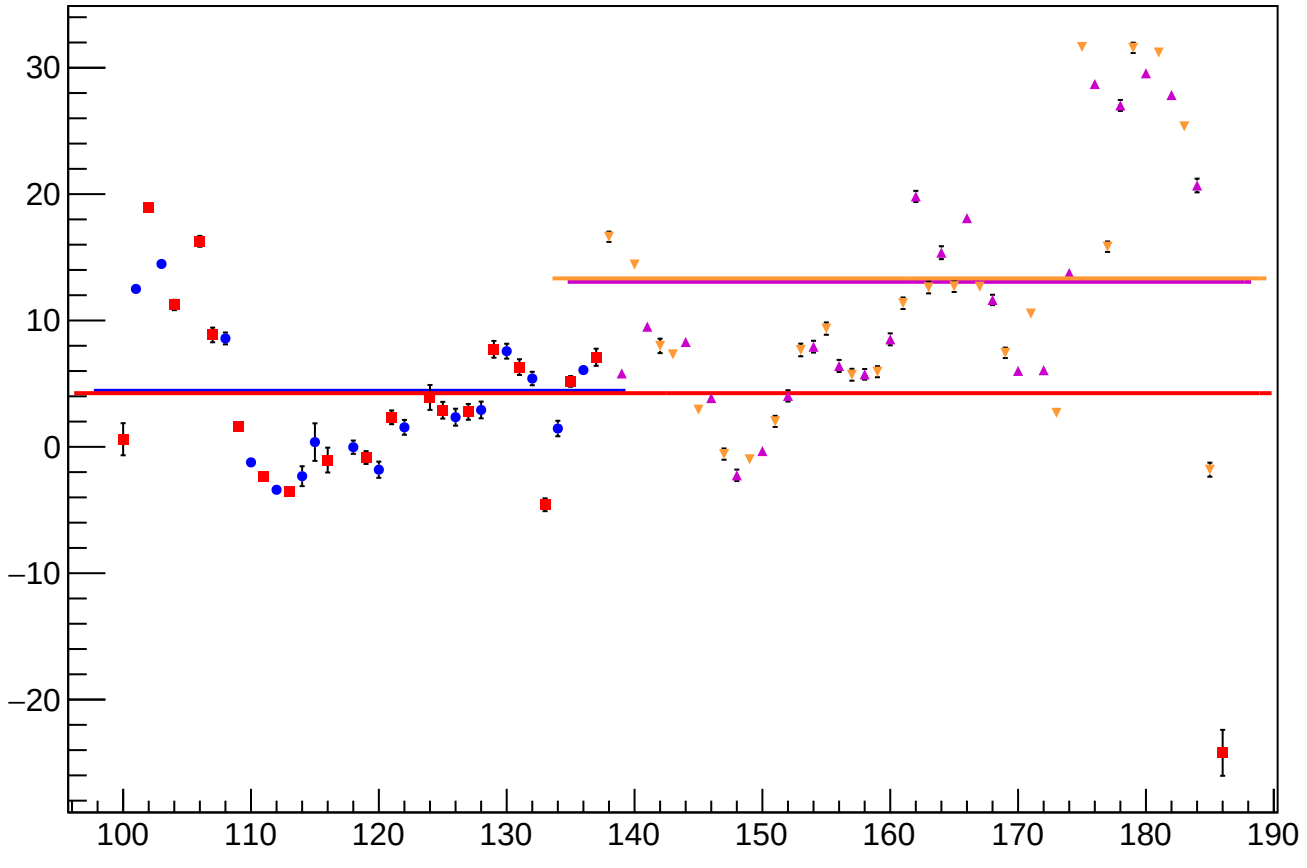
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/35

In: 0.176+/-0.003 χ^2/NDF:3779.0/38

Out: 0.181+/-0.003 χ^2/NDF:2791.9/44

All: 0.179+/-0.002 χ^2/NDF: 6572.4/83



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 4.248+/-0.109 χ^2/NDF: 4451.2/19

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

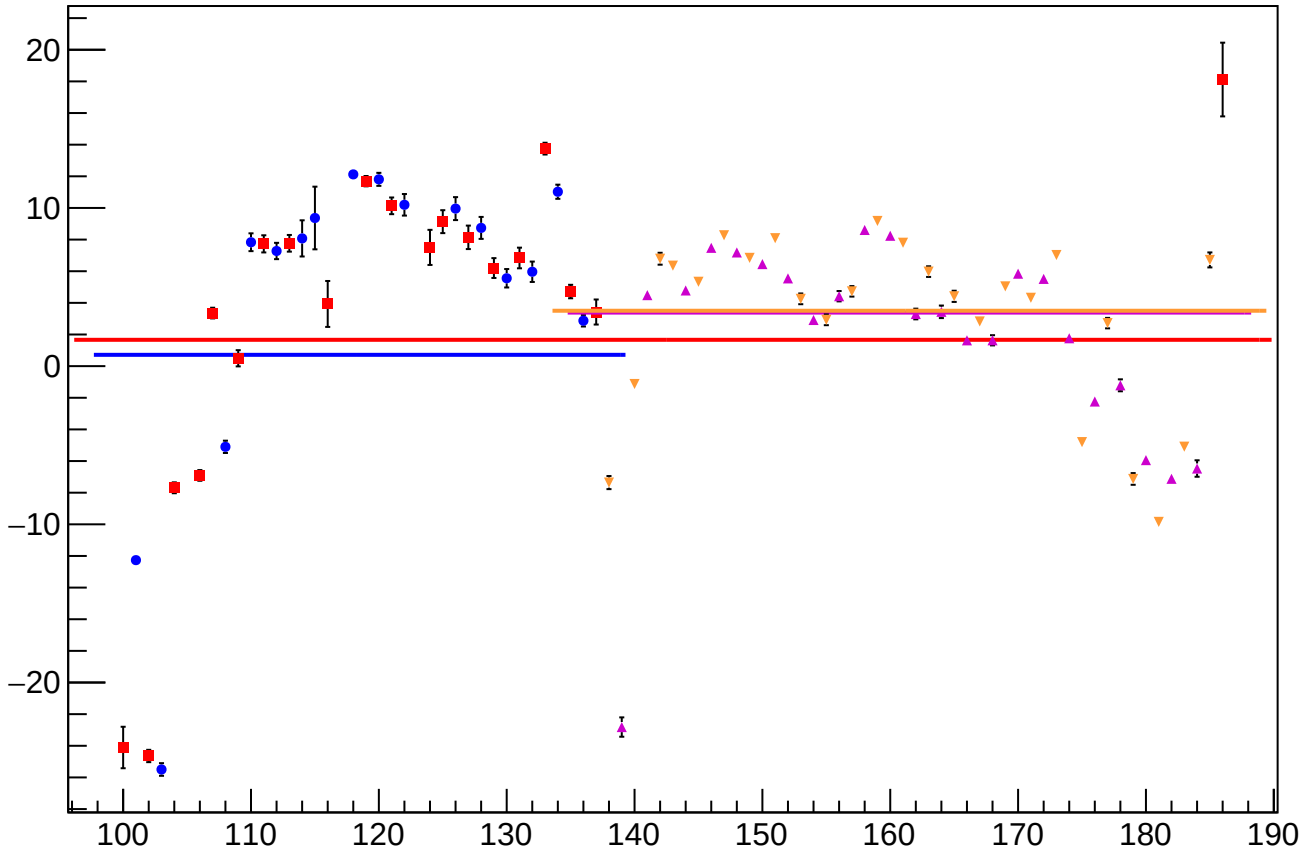
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 4.335+/-0.080 χ^2/NDF: 7074.6/35

In: 10.344+/-0.066 χ^2/NDF:21907.3/38

Out: 10.316+/-0.063 χ^2/NDF:28530.4/44

All: 10.329+/-0.045 χ^2/NDF: 50437.8/83



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

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

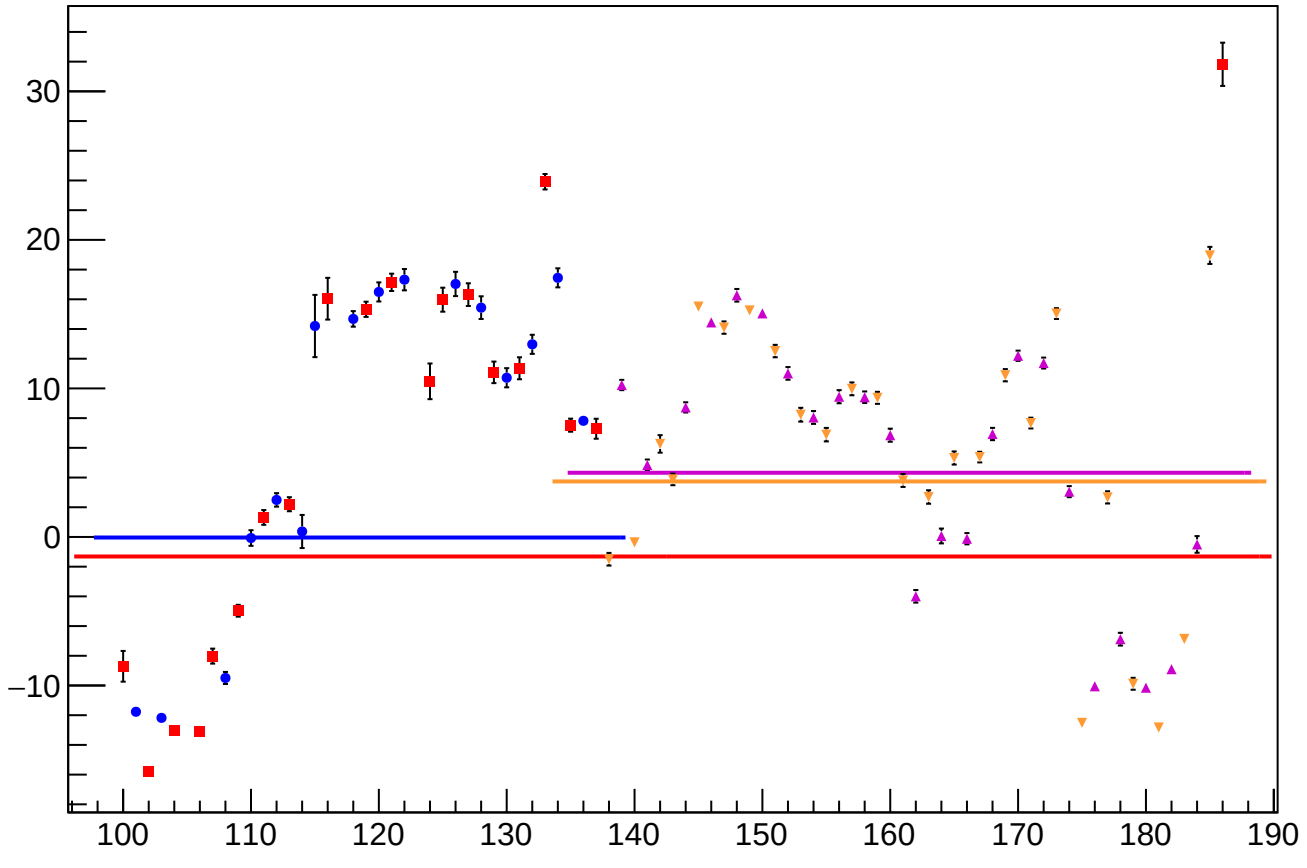
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: 1.211+/-0.080 χ^2/NDF: 19794.5/35

In: 2.806+/-0.054 χ^2/NDF:17577.1/38

Out: 3.101+/-0.052 χ^2/NDF:17431.9/44

All: 2.960+/-0.037 χ^2/NDF: 35024.6/83



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

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

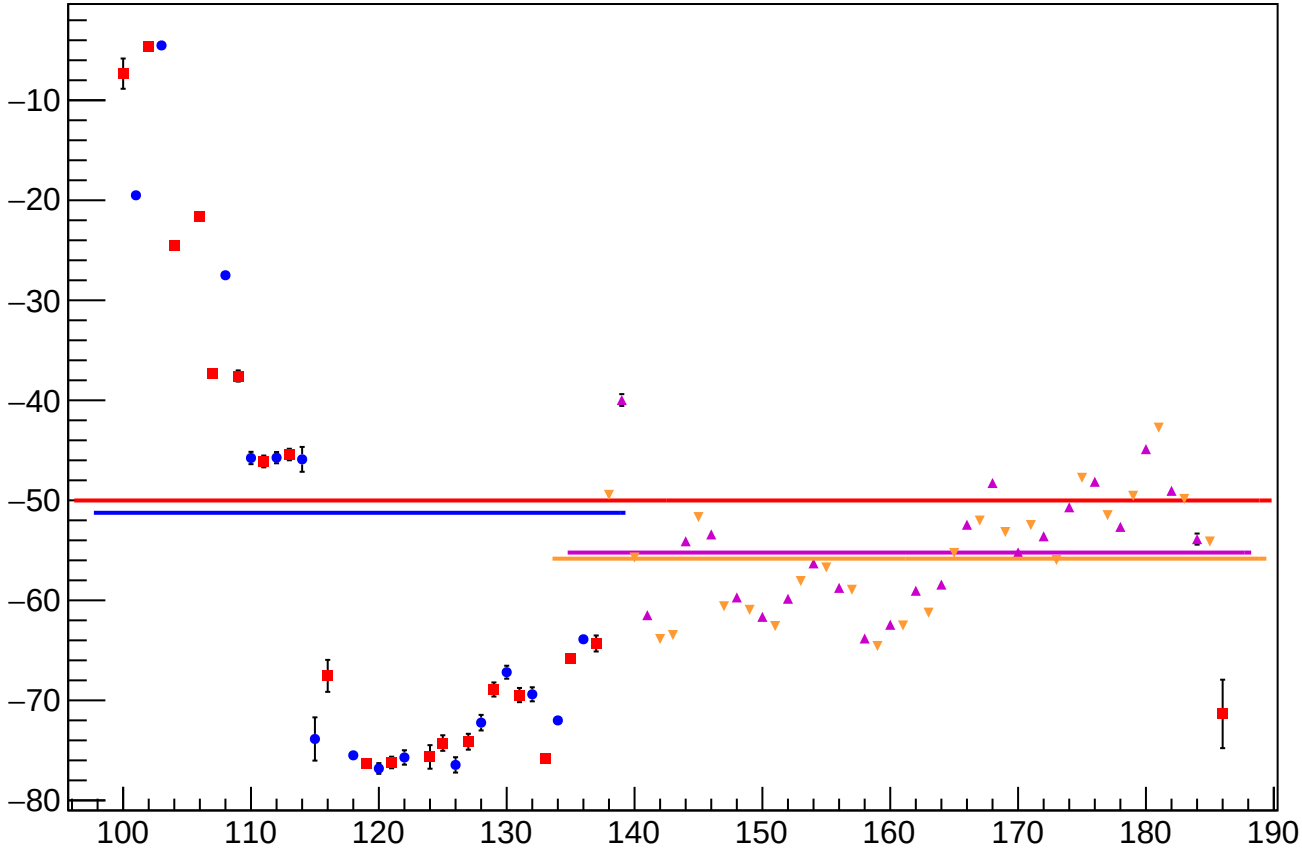
Right: -0.701+/-0.083 χ^2/NDF: 21984.9/35

In: 3.003+/-0.066 χ^2/NDF:22688.5/38

Out: 2.186+/-0.064 χ^2/NDF:29581.1/44

All: 2.581+/-0.046 χ^2/NDF: 52349.6/83

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -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

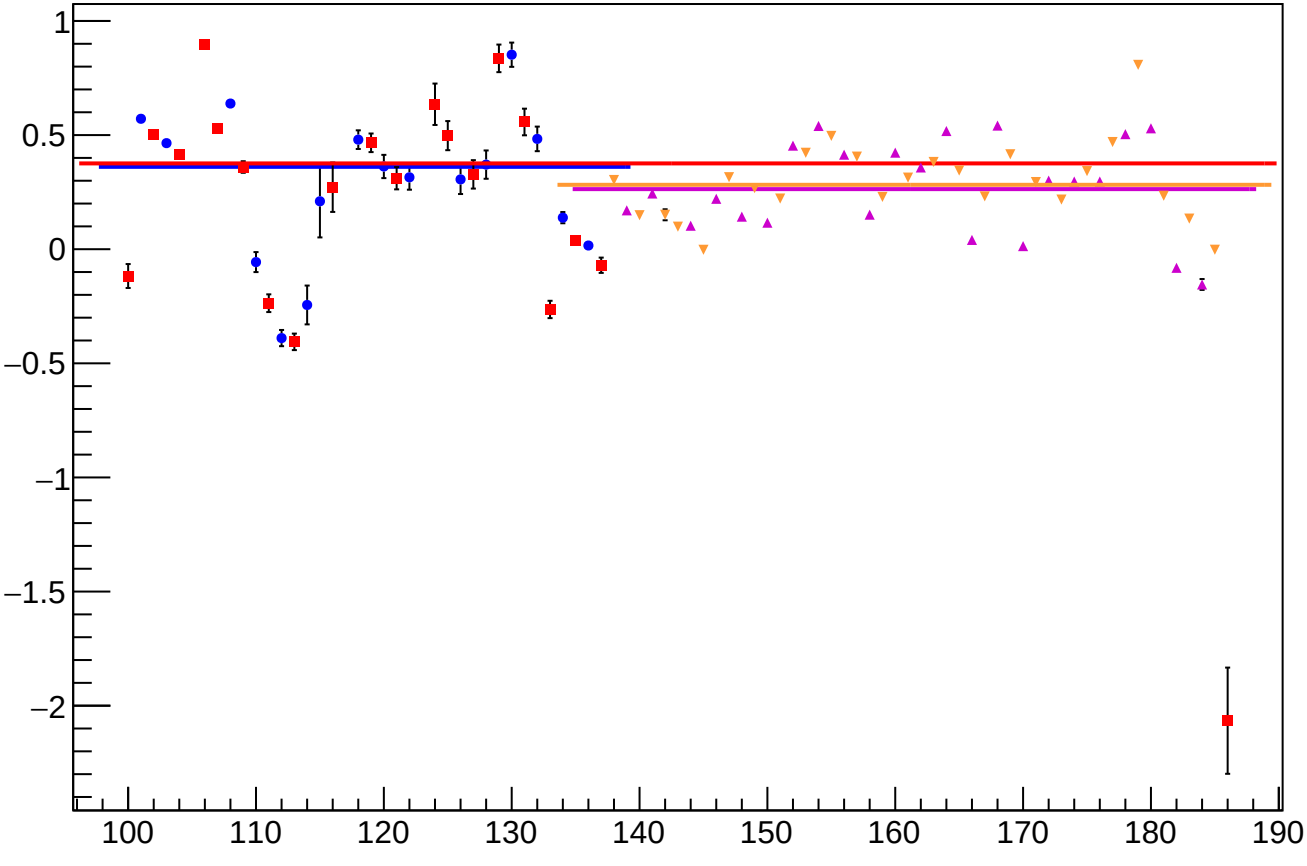
Right: -50.606+/-0.094 χ^2/NDF: 67739.4/35

In: -54.411+/-0.061 χ^2/NDF:40791.2/38

Out: -54.638+/-0.059 χ^2/NDF:43101.5/44

All: -54.529+/-0.043 χ^2/NDF: 83899.8/83

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.376+/-0.006 χ^2/NDF: 2900.7/19

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

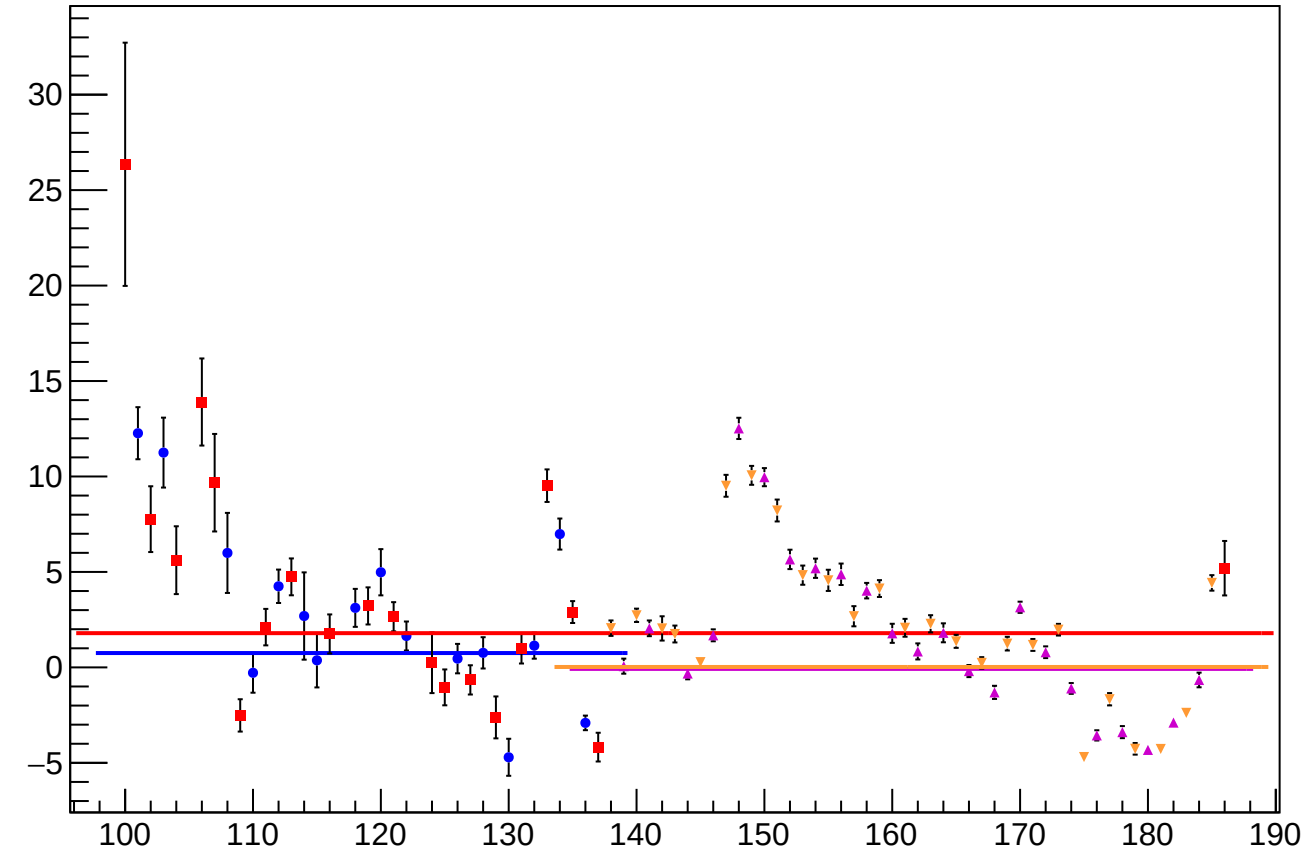
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.369+/-0.004 χ^2/NDF: 4763.6/35

In: 0.281+/-0.003 χ^2/NDF:5887.8/38

Out: 0.300+/-0.003 χ^2/NDF:5803.2/44

All: 0.291+/-0.002 χ^2/NDF: 11715.1/83



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

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

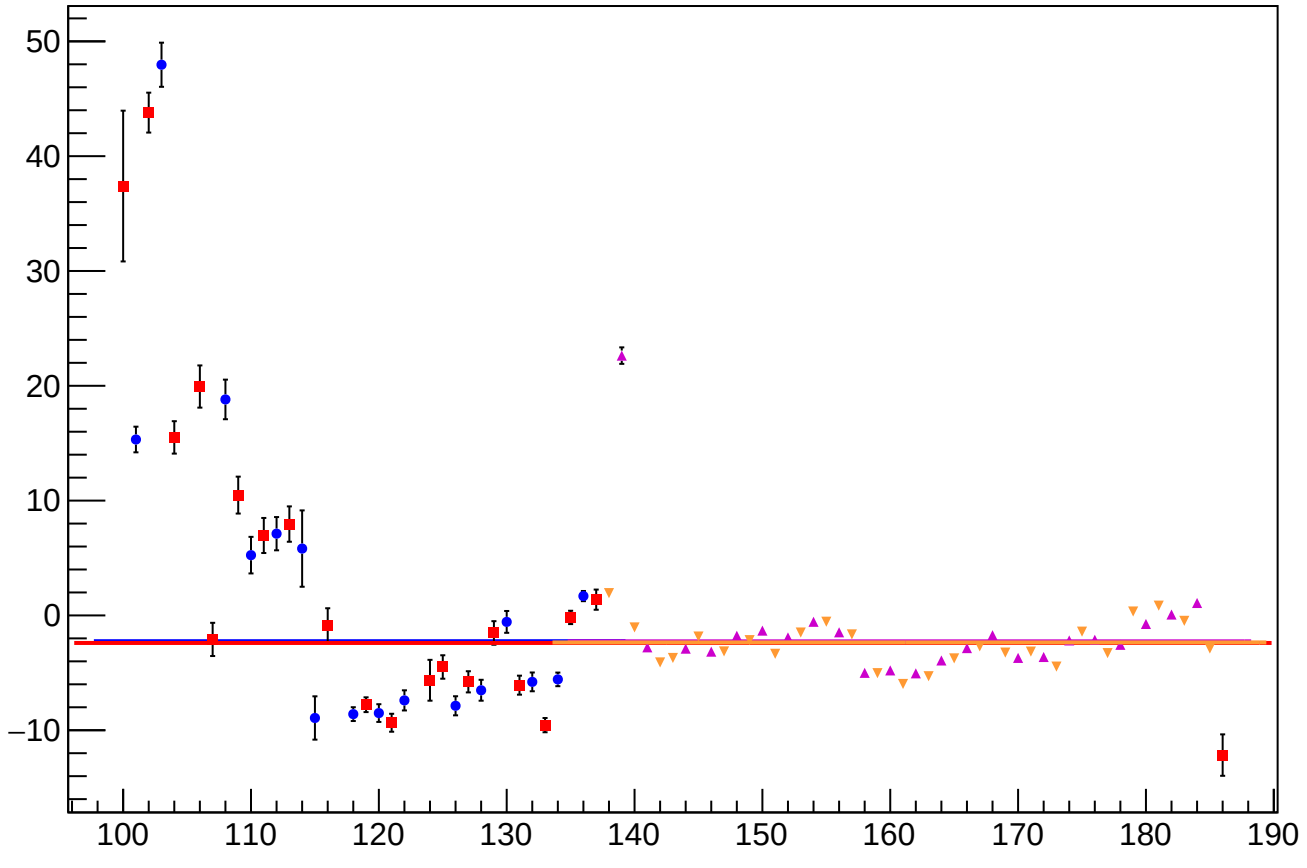
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 1.254+/-0.153 χ^2/NDF: 641.4/35

In: 0.003+/-0.067 χ^2/NDF:2808.4/38

Out: 0.178+/-0.065 χ^2/NDF:3118.0/44

All: 0.093+/-0.047 χ^2/NDF: 5929.9/83



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

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

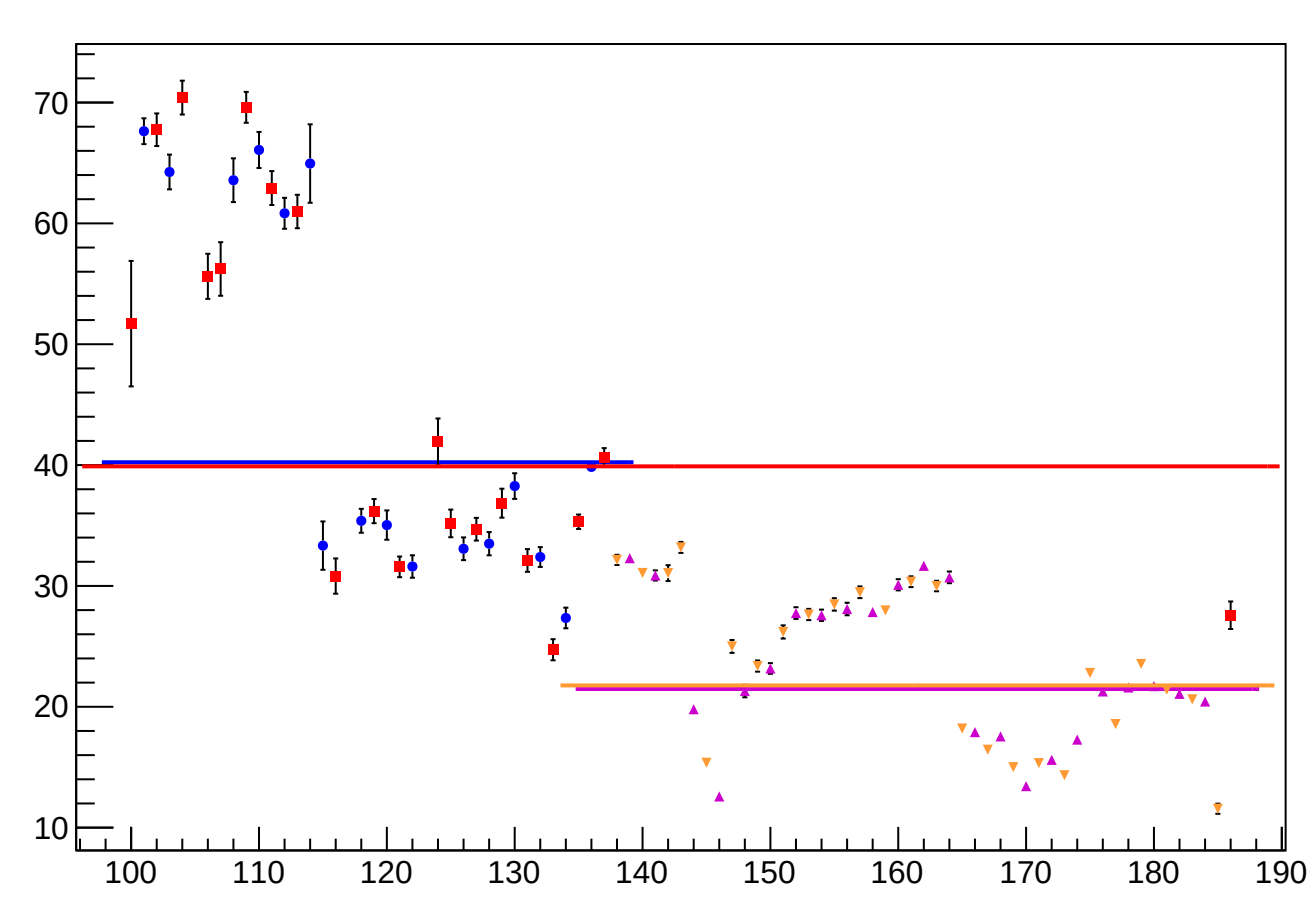
Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

Right: -2.318+/-0.156 χ^2/NDF: 3158.1/35

In: -2.256+/-0.055 χ^2/NDF:3449.7/38

Out: -2.355+/-0.054 χ^2/NDF:2711.1/44

All: -2.306+/-0.038 χ^2/NDF: 6162.5/83



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

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

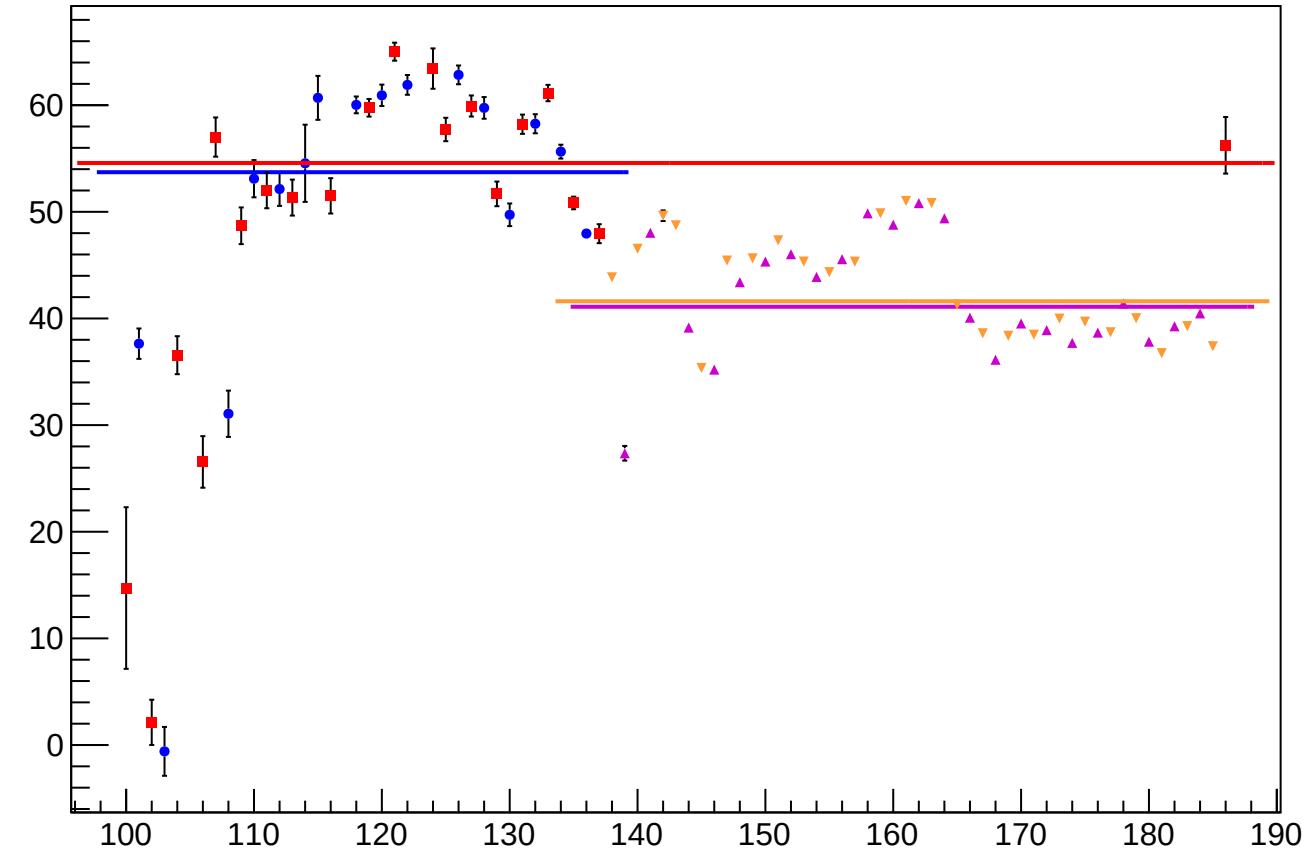
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 40.073+/-0.168 χ^2/NDF: 5112.7/35

In: 23.070+/-0.068 χ^2/NDF:14089.6/38

Out: 23.099+/-0.066 χ^2/NDF:14723.7/44

All: 23.085+/-0.047 χ^2/NDF: 28813.4/83



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

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

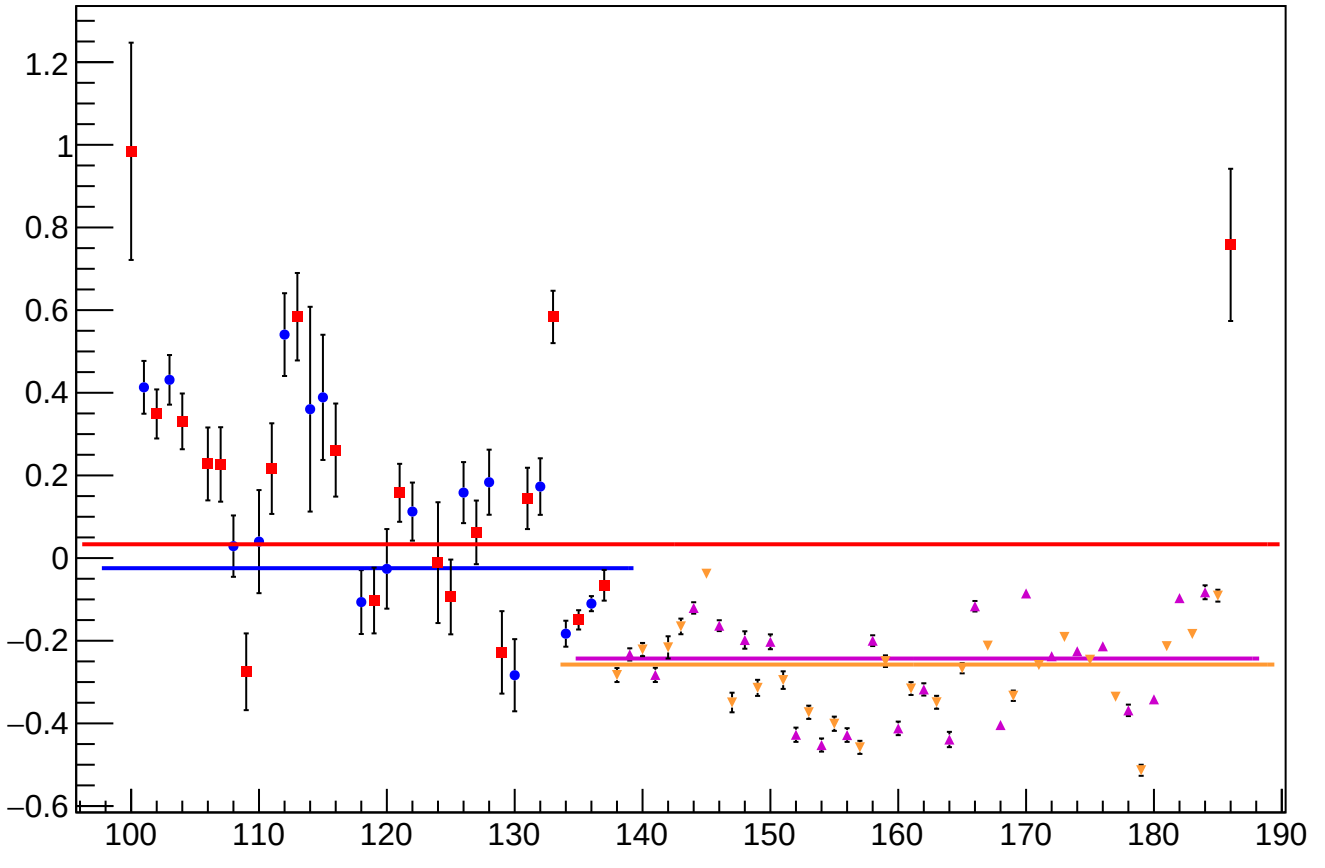
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 54.120+/-0.174 χ^2/NDF: 2711.8/35

In: 41.909+/-0.061 χ^2/NDF:9448.3/38

Out: 42.321+/-0.060 χ^2/NDF:9564.9/44

All: 42.119+/-0.042 χ^2/NDF: 19036.6/83



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

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

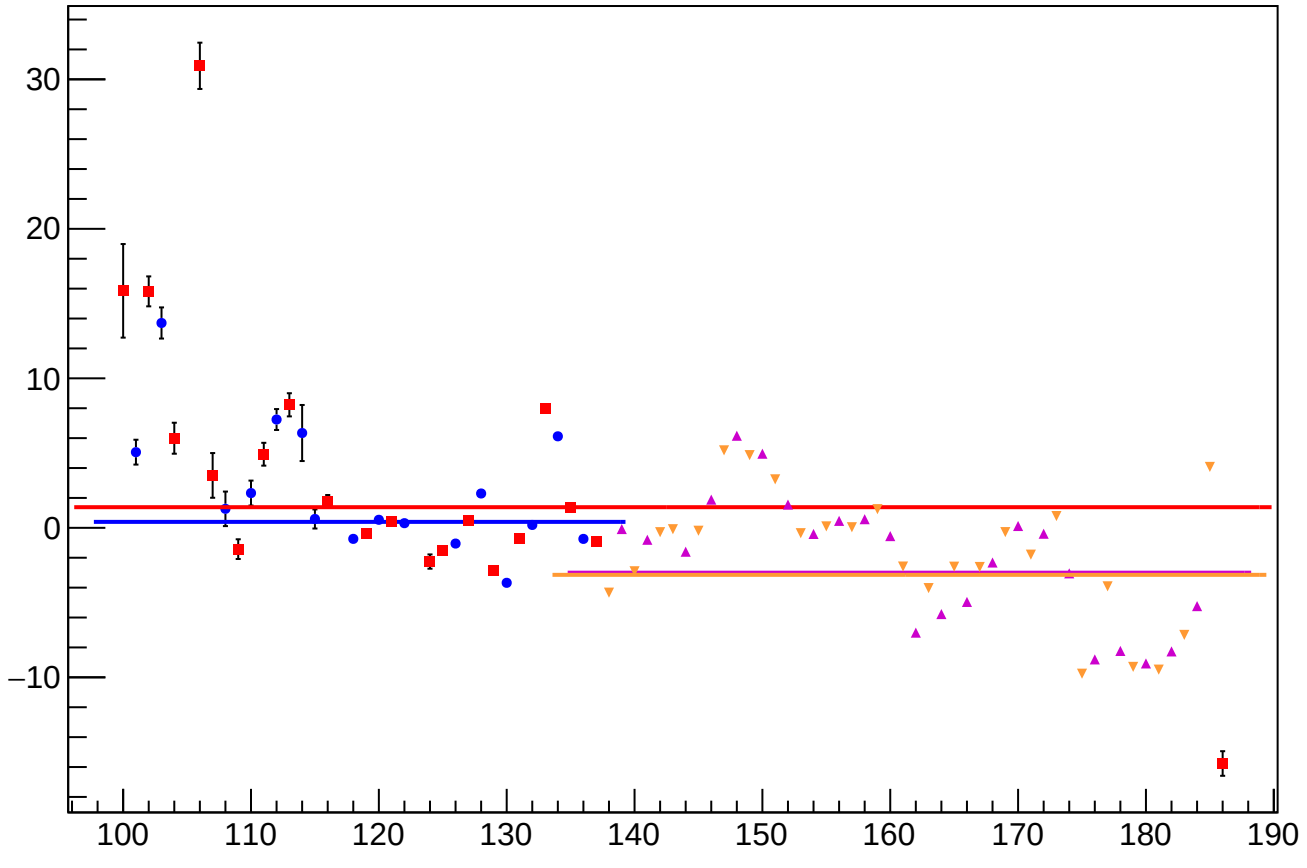
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: 0.001+/-0.010 χ^2/NDF: 530.8/35

In: -0.233+/-0.003 χ^2/NDF:2320.0/38

Out: -0.247+/-0.003 χ^2/NDF:2211.9/44

All: -0.240+/-0.002 χ^2/NDF: 4545.6/83



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

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

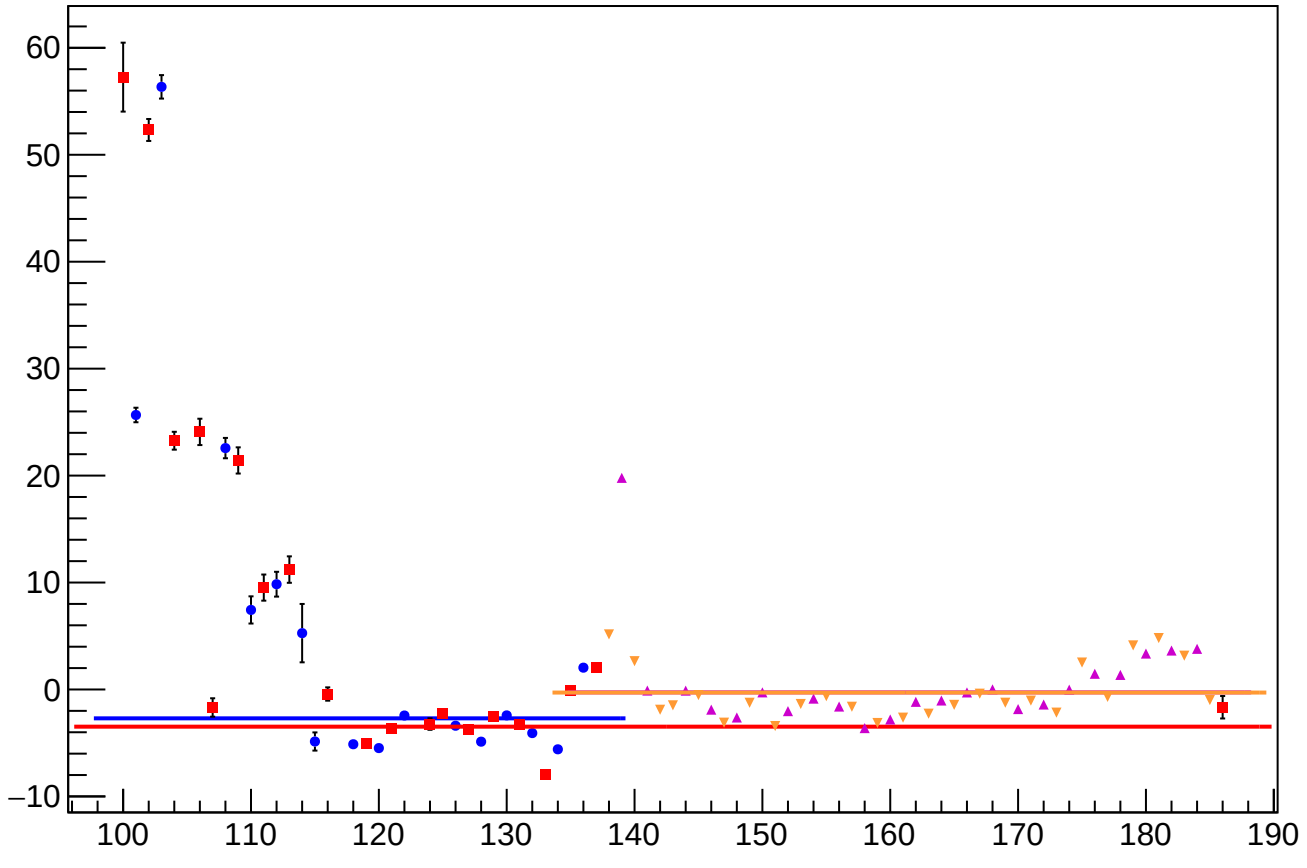
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.885+/-0.055 χ^2/NDF: 4027.1/35

In: -2.592+/-0.027 χ^2/NDF:25232.5/38

Out: -2.635+/-0.026 χ^2/NDF:31207.9/44

All: -2.614+/-0.019 χ^2/NDF: 56441.7/83



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

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

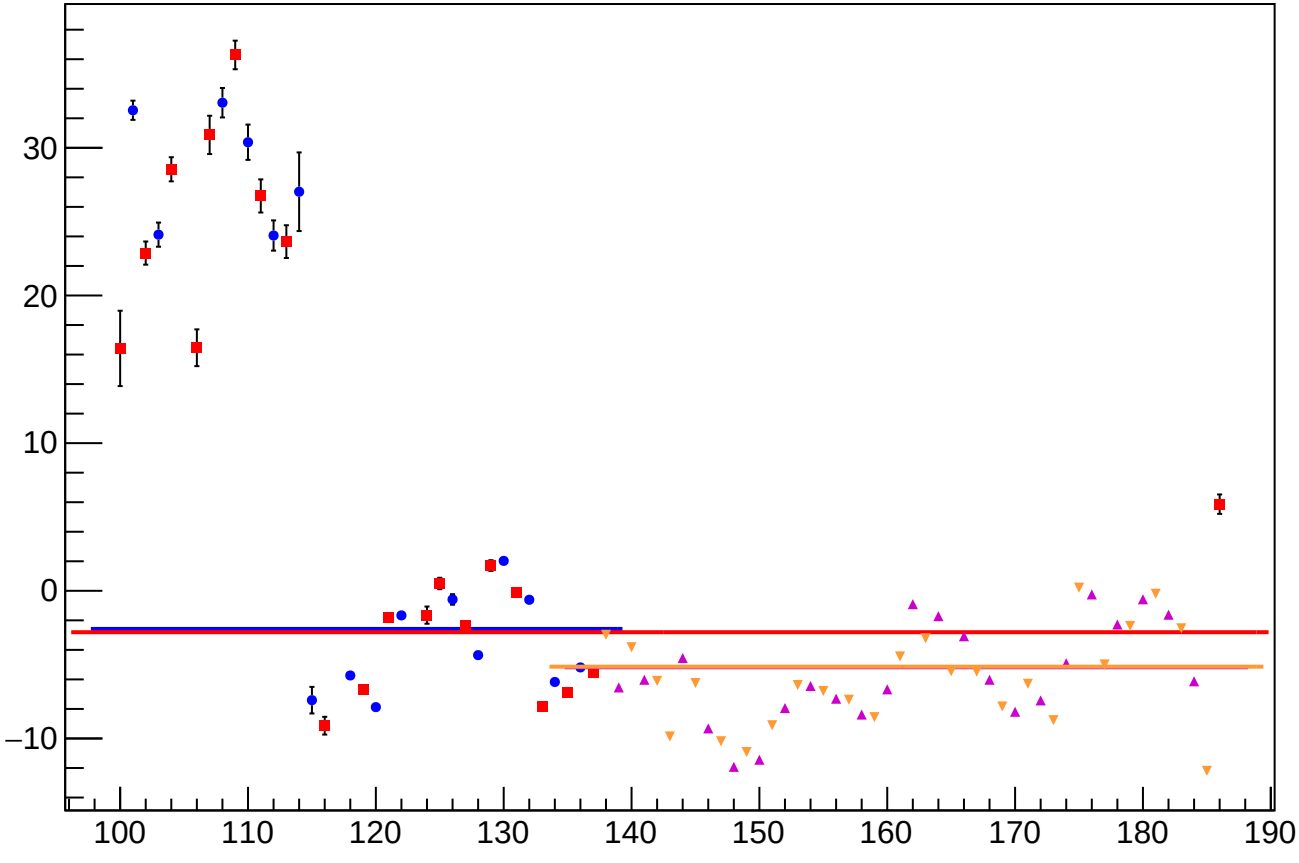
Right: -3.088+/-0.050 χ^2/NDF: 14327.3/35

In: -0.490+/-0.021 χ^2/NDF:21396.5/38

Out: -0.565+/-0.021 χ^2/NDF:21219.6/44

All: -0.528+/-0.015 χ^2/NDF: 42622.4/83

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -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

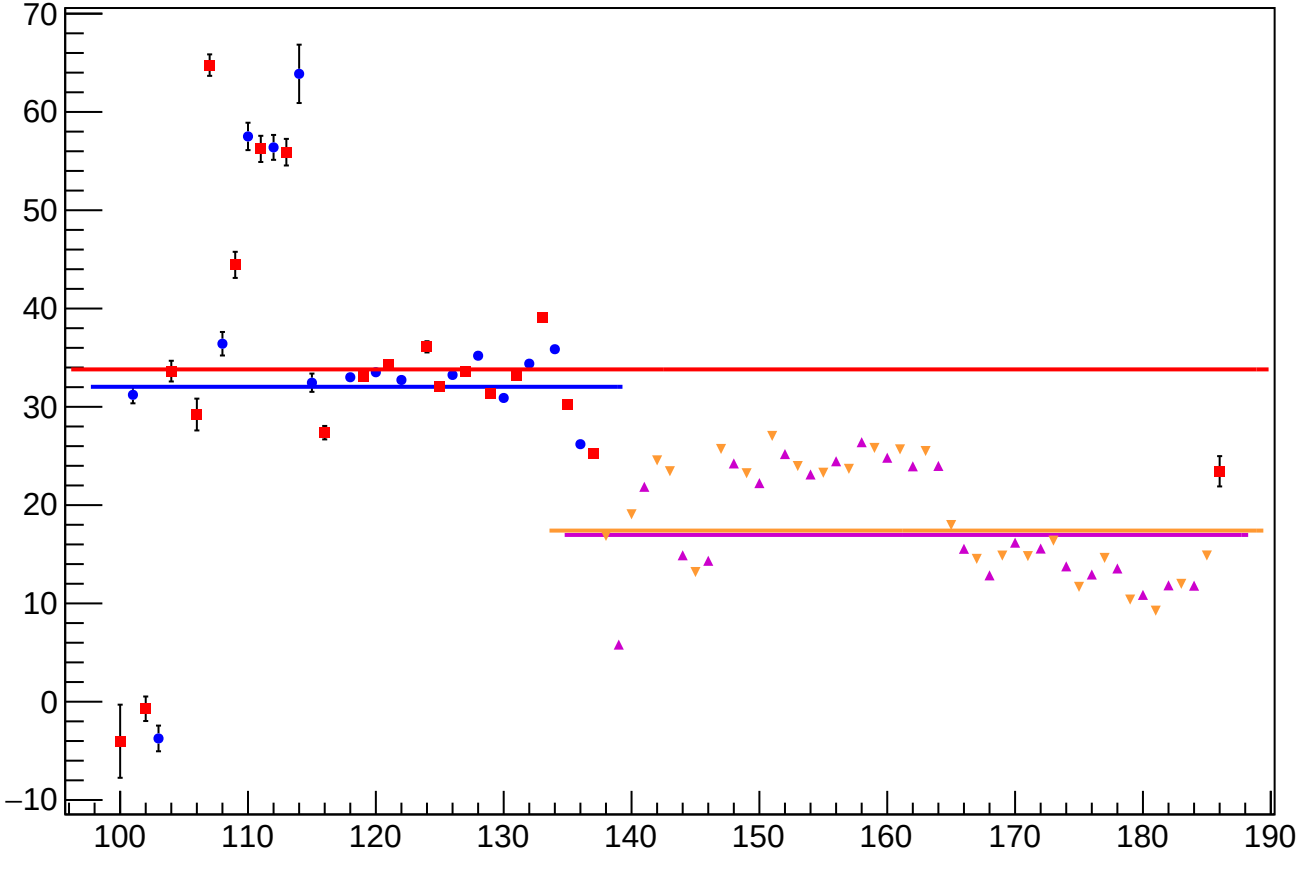
Right: -2.691+/-0.059 χ^2/NDF: 16536.1/35

In: -4.905+/-0.027 χ^2/NDF:22997.1/38

Out: -4.909+/-0.026 χ^2/NDF:23691.3/44

All: -4.907+/-0.019 χ^2/NDF: 46688.4/83

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 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

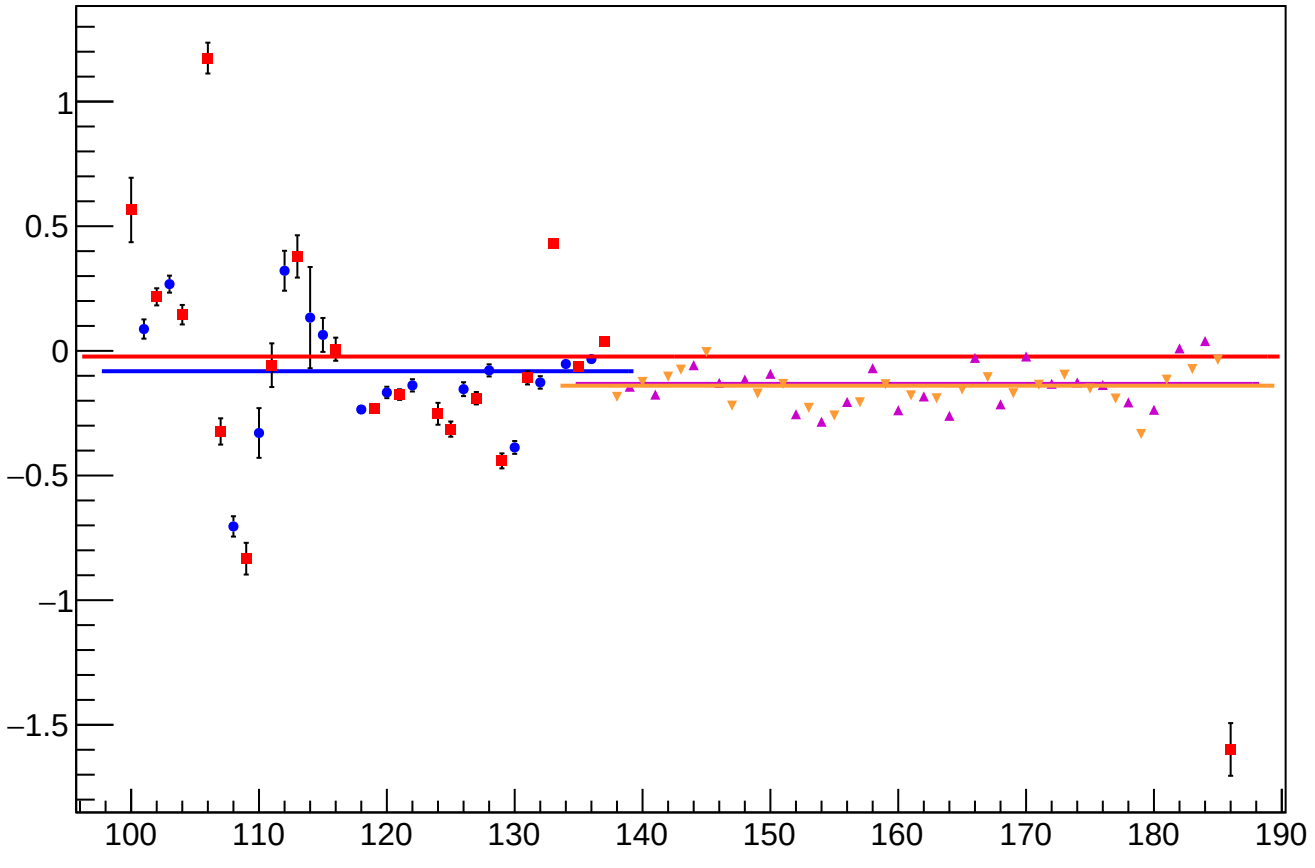
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 32.920+/-0.058 χ^2/NDF: 7775.5/35

In: 18.270+/-0.024 χ^2/NDF:74596.0/38

Out: 18.763+/-0.023 χ^2/NDF:92055.3/44

All: 18.522+/-0.017 χ^2/NDF: 166867.9/83



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

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

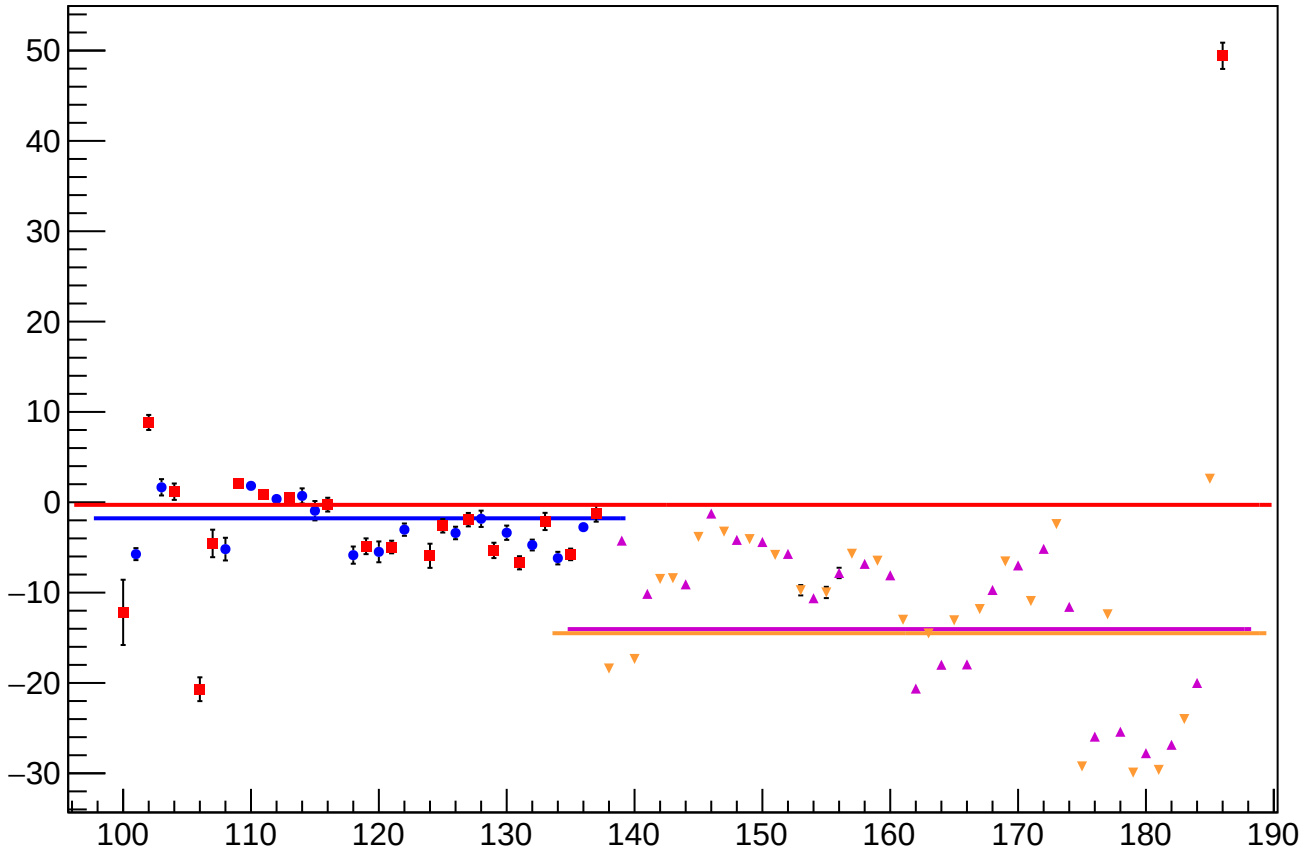
Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

Right: -0.054+/-0.004 χ^2/NDF: 3254.8/35

In: -0.130+/-0.001 χ^2/NDF:6324.2/38

Out: -0.135+/-0.001 χ^2/NDF:7090.1/44

All: -0.132+/-0.001 χ^2/NDF: 13424.1/83



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

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

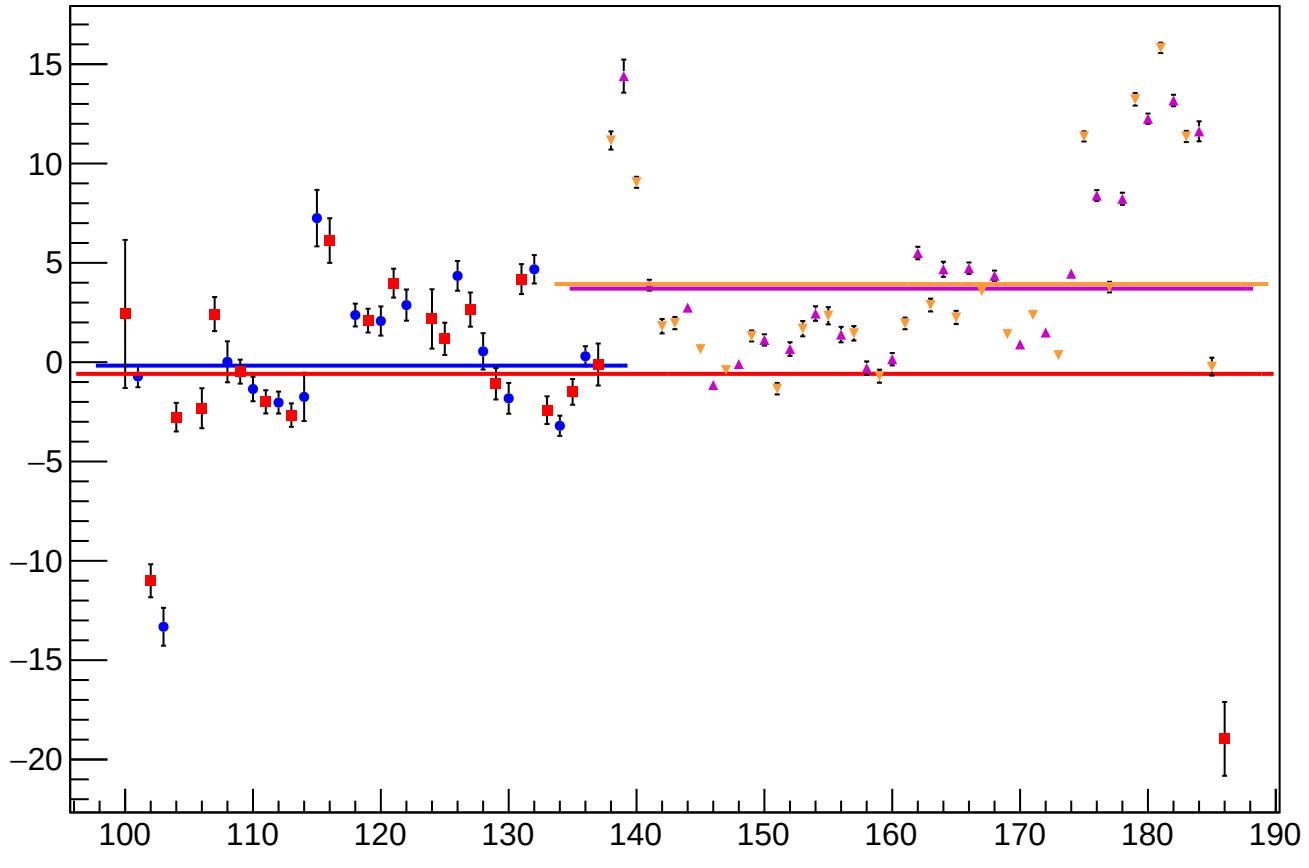
Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

Right: -0.983+/-0.108 χ^2/NDF: 2260.6/35

In: -11.672+/-0.069 χ^2/NDF:18696.1/38

Out: -11.591+/-0.067 χ^2/NDF:26526.2/44

All: -11.631+/-0.048 χ^2/NDF: 45223.0/83



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

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

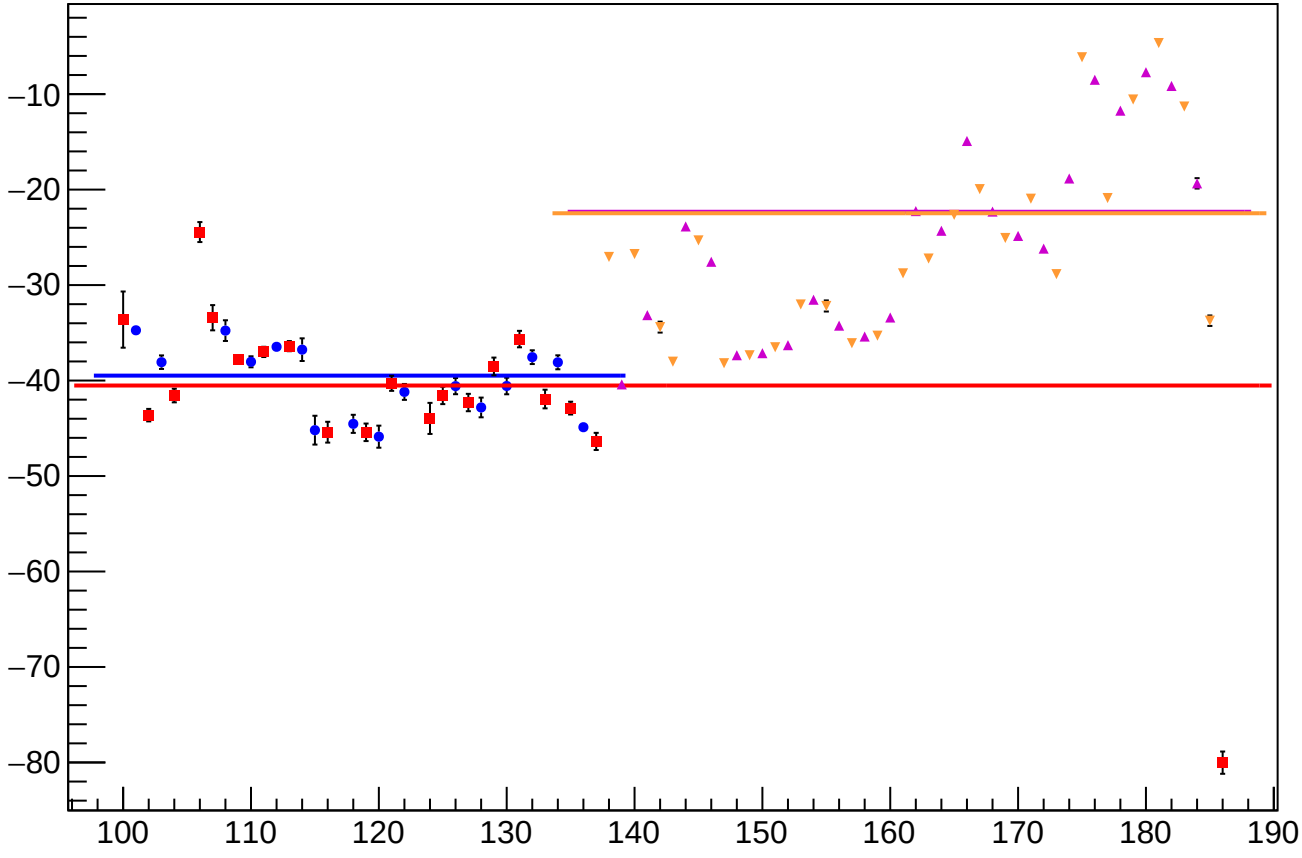
Right: -0.377+/-0.124 χ^2/NDF: 870.9/35

In: 3.296+/-0.056 χ^2/NDF:5641.1/38

Out: 3.492+/-0.055 χ^2/NDF:8036.8/44

All: 3.396+/-0.039 χ^2/NDF: 13684.2/83

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.521+/-0.179 χ^2/NDF: 1728.2/19

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

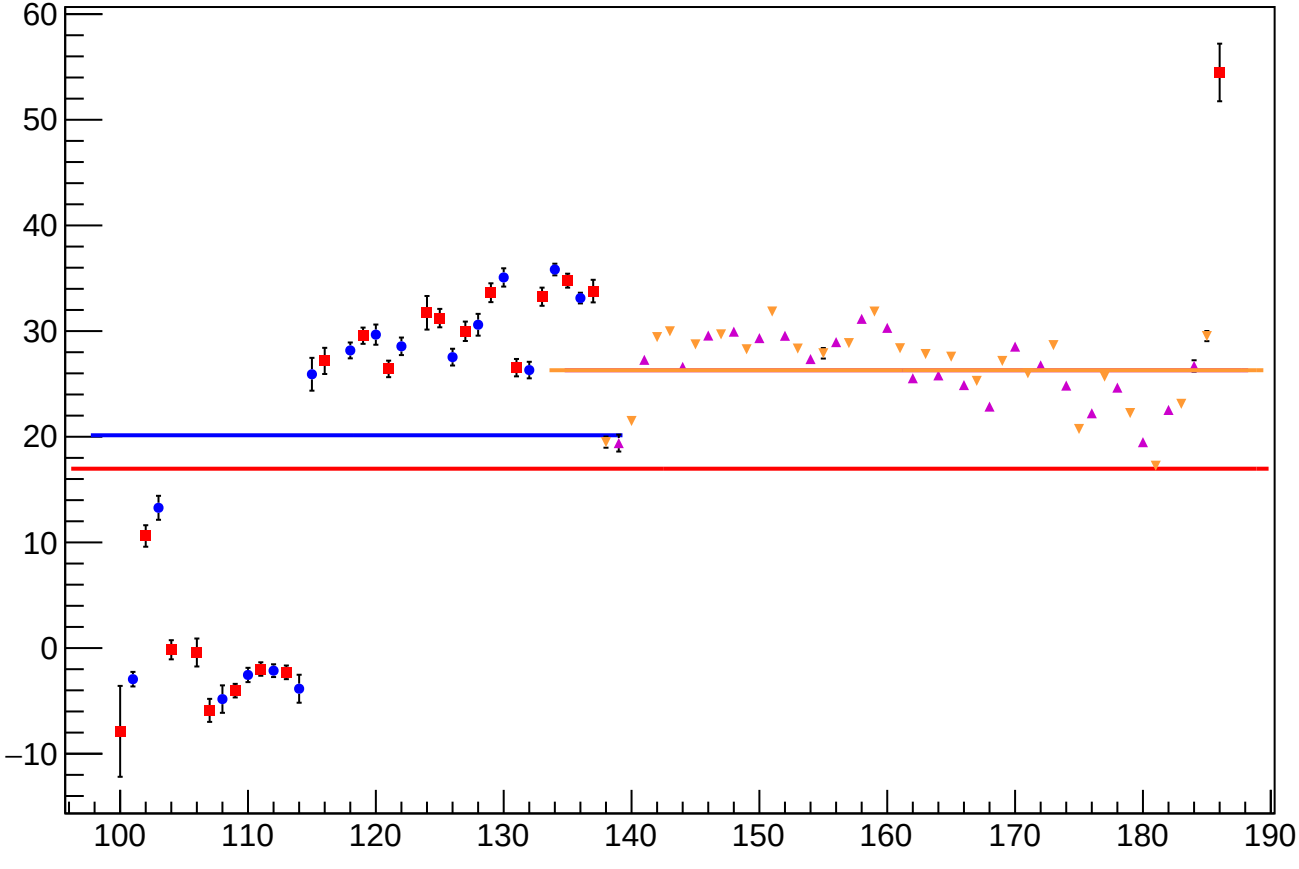
Right: -40.006+/-0.127 χ^2/NDF: 2154.2/35

In: -24.946+/-0.070 χ^2/NDF:25223.7/38

Out: -25.163+/-0.069 χ^2/NDF:30809.5/44

All: -25.057+/-0.049 χ^2/NDF: 56038.0/83

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 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

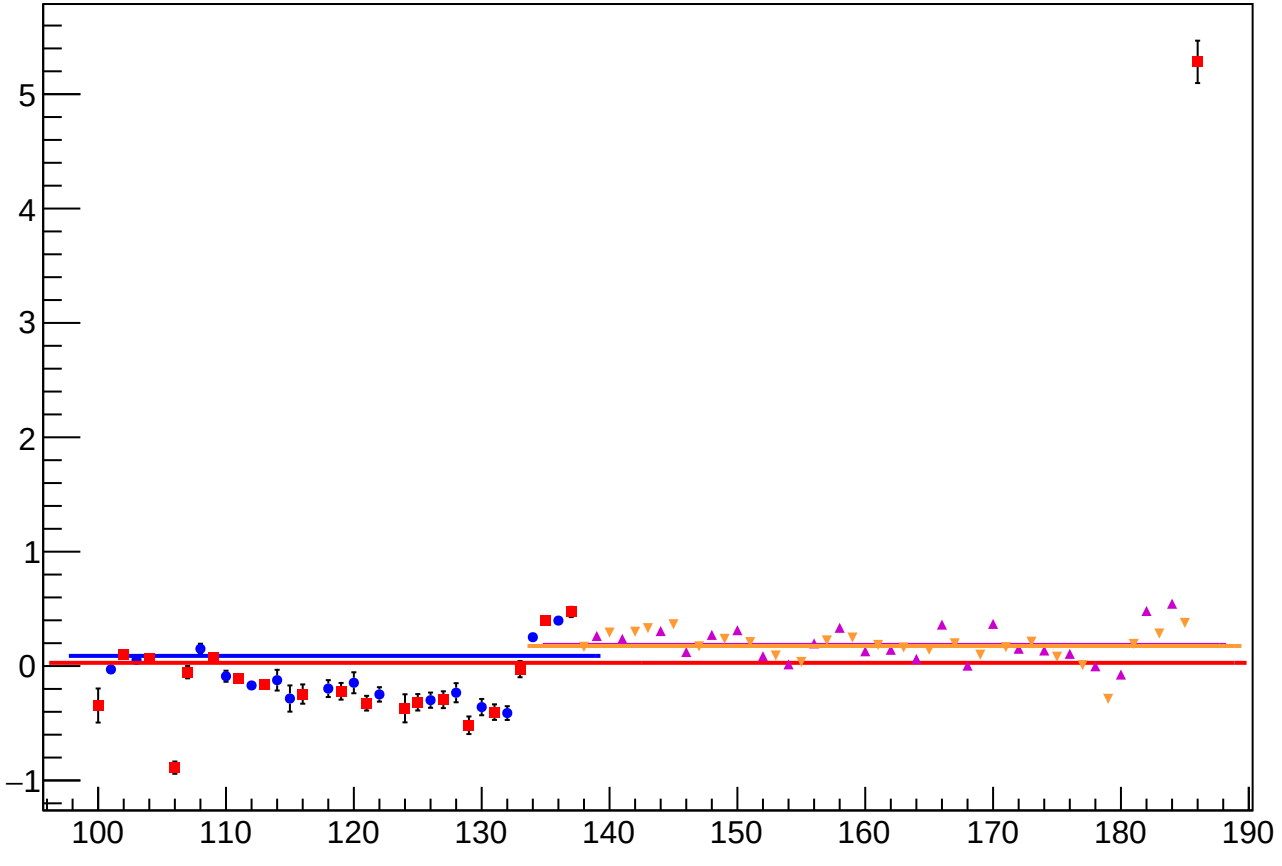
Right: 18.594+/-0.139 χ^2/NDF: 13743.0/35

In: 25.647+/-0.063 χ^2/NDF:9764.0/38

Out: 25.397+/-0.062 χ^2/NDF:12215.4/44

All: 25.520+/-0.044 χ^2/NDF: 21987.5/83

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.176+/-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

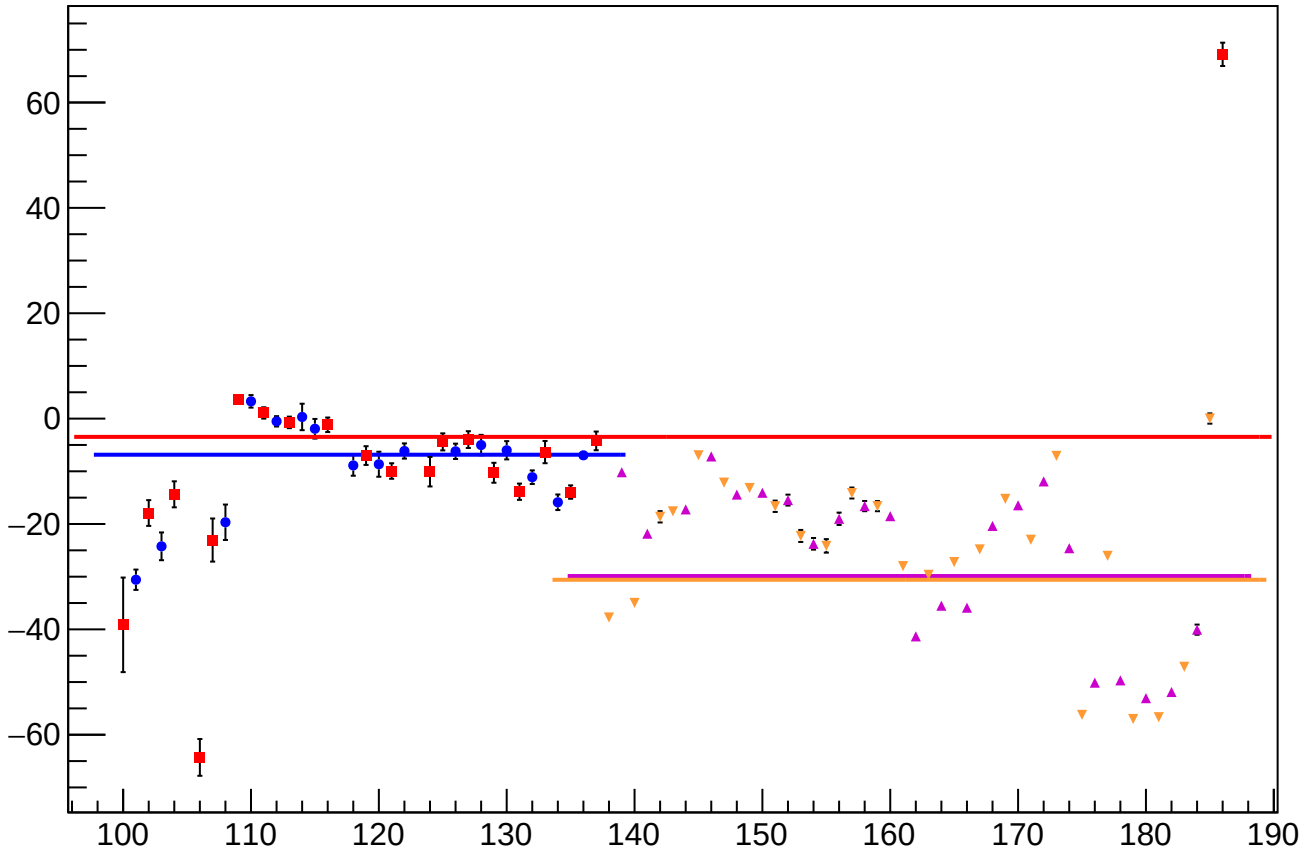
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

Right: 0.060+/-0.008 χ^2/NDF: 2221.4/35

In: 0.178+/-0.003 χ^2/NDF:3181.2/38

Out: 0.166+/-0.003 χ^2/NDF:3744.9/44

All: 0.172+/-0.002 χ^2/NDF: 6934.7/83



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

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

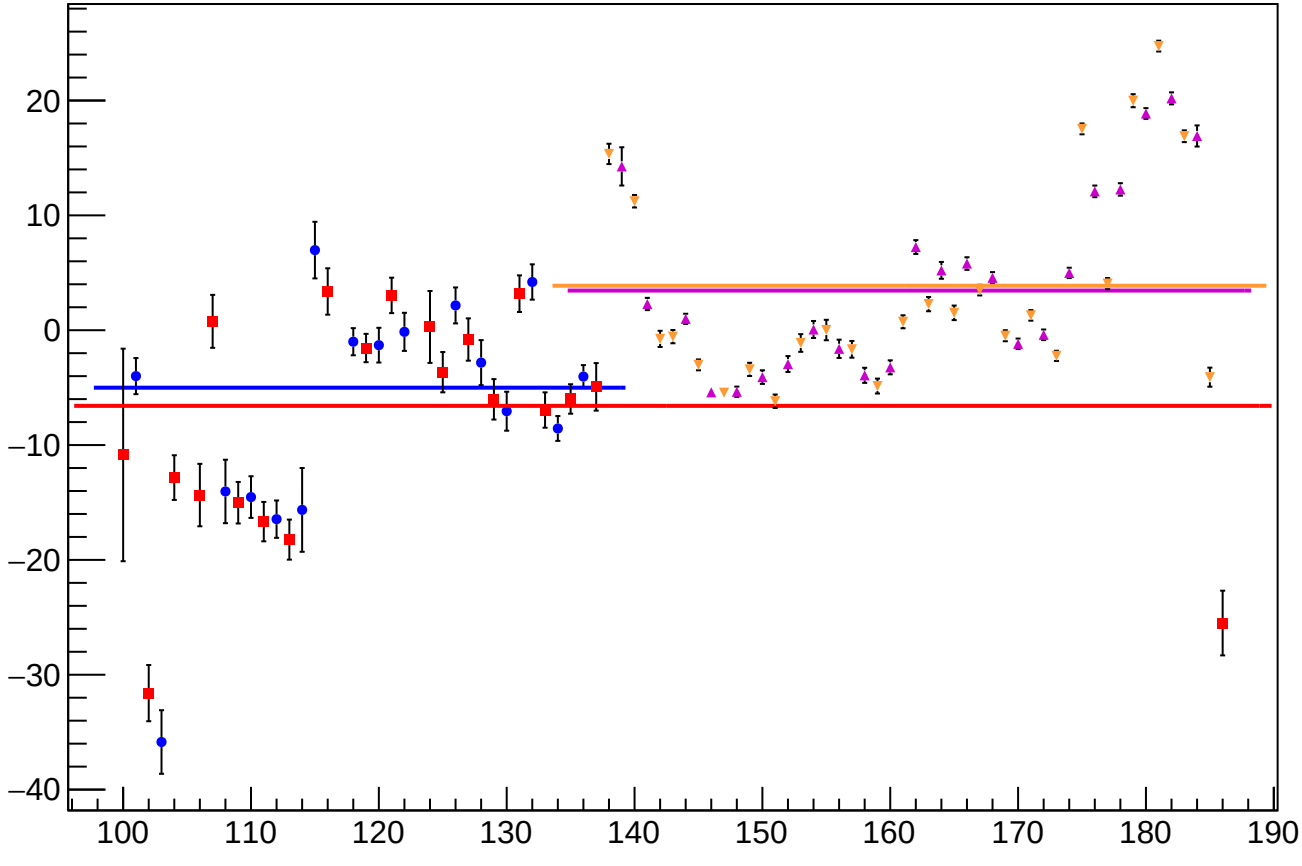
Right: -5.106+/-0.261 χ^2/NDF: 2143.5/35

In: -26.848+/-0.136 χ^2/NDF:15688.1/38

Out: -26.999+/-0.132 χ^2/NDF:22575.0/44

All: -26.925+/-0.095 χ^2/NDF: 38263.8/83

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 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

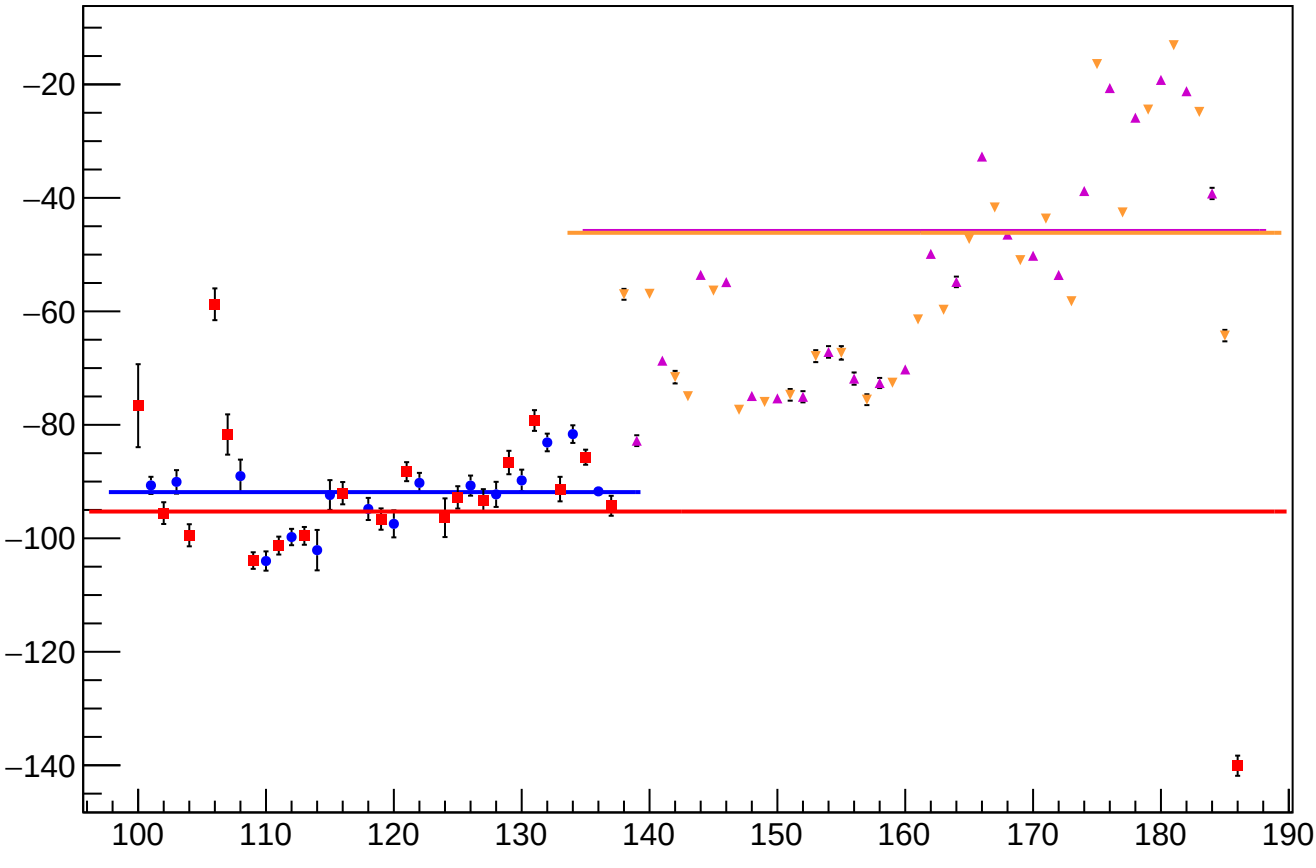
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

Right: -5.763+/-0.285 χ^2/NDF: 764.6/35

In: 2.807+/-0.109 χ^2/NDF:5458.2/38

Out: 3.163+/-0.107 χ^2/NDF:7557.8/44

All: 2.988+/-0.077 χ^2/NDF: 13021.4/83



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

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

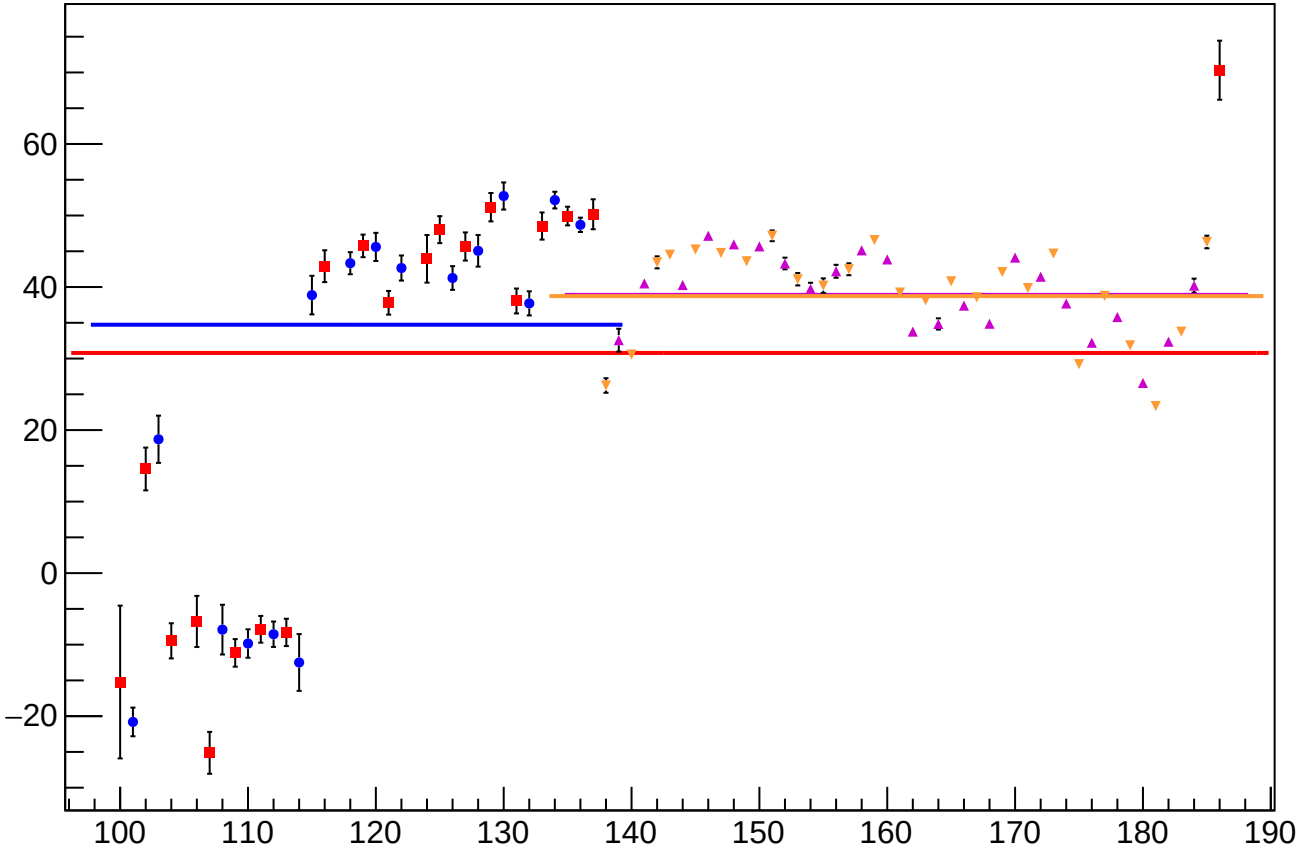
Right: -93.559+/-0.301 χ^2/NDF: 1271.7/35

In: -50.712+/-0.138 χ^2/NDF:28632.8/38

Out: -51.083+/-0.135 χ^2/NDF:34459.4/44

All: -50.901+/-0.097 χ^2/NDF: 63095.9/83

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 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

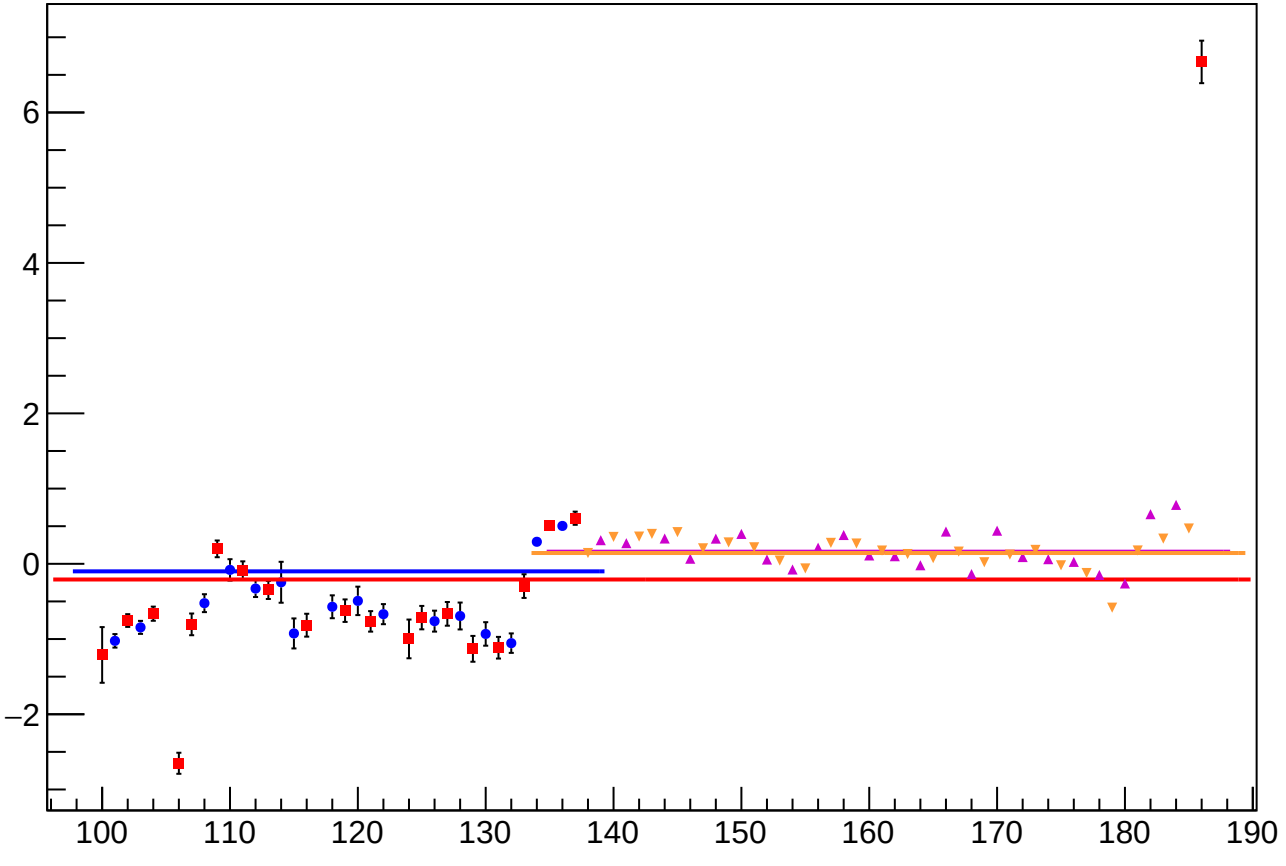
Right: 32.854+/-0.320 χ^2/NDF: 5851.0/35

In: 38.584+/-0.122 χ^2/NDF:4863.2/38

Out: 38.197+/-0.120 χ^2/NDF:6059.1/44

All: 38.387+/-0.086 χ^2/NDF: 10927.4/83

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.144+/-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

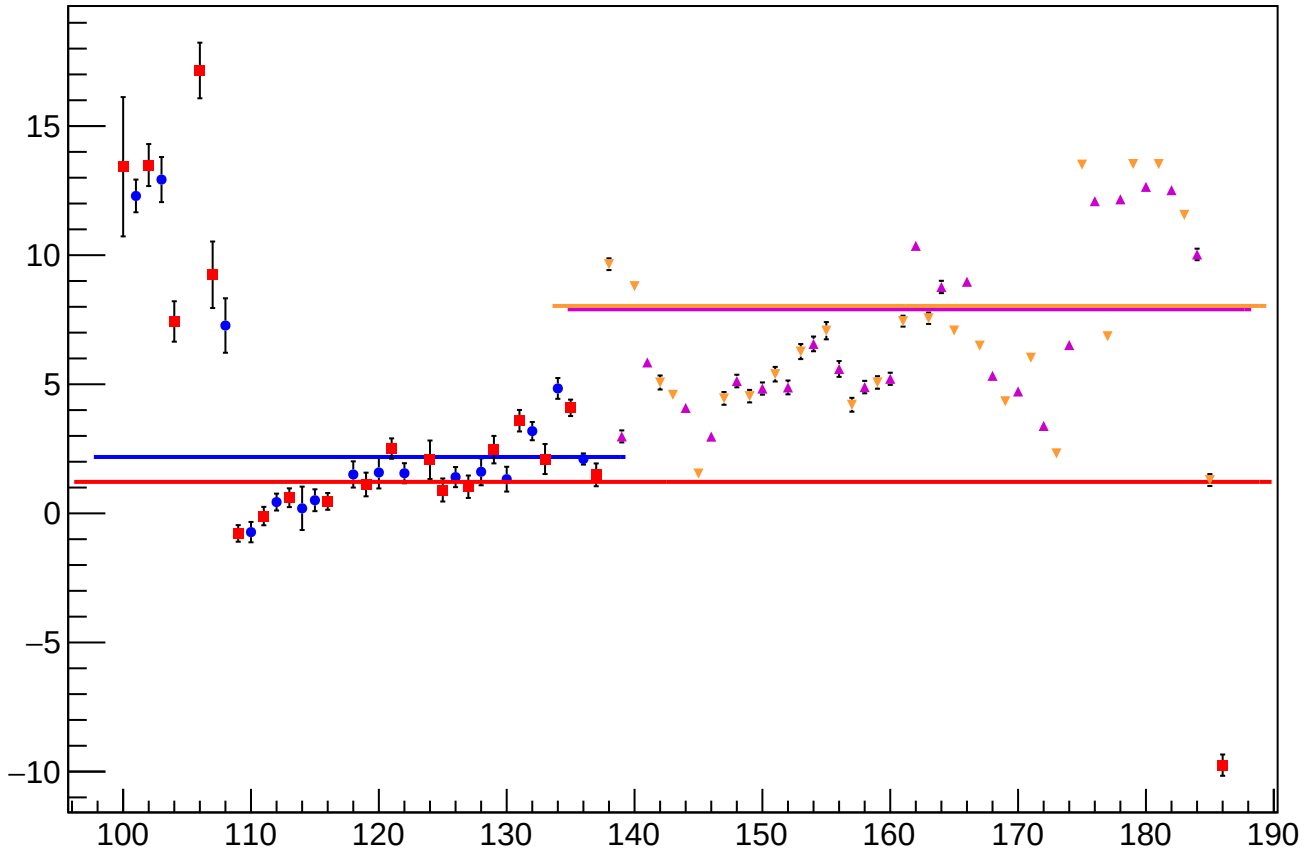
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.150+/-0.018 χ^2/NDF: 2061.6/35

In: 0.147+/-0.006 χ^2/NDF:2662.4/38

Out: 0.128+/-0.005 χ^2/NDF:3036.1/44

All: 0.138+/-0.004 χ^2/NDF: 5704.5/83



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

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

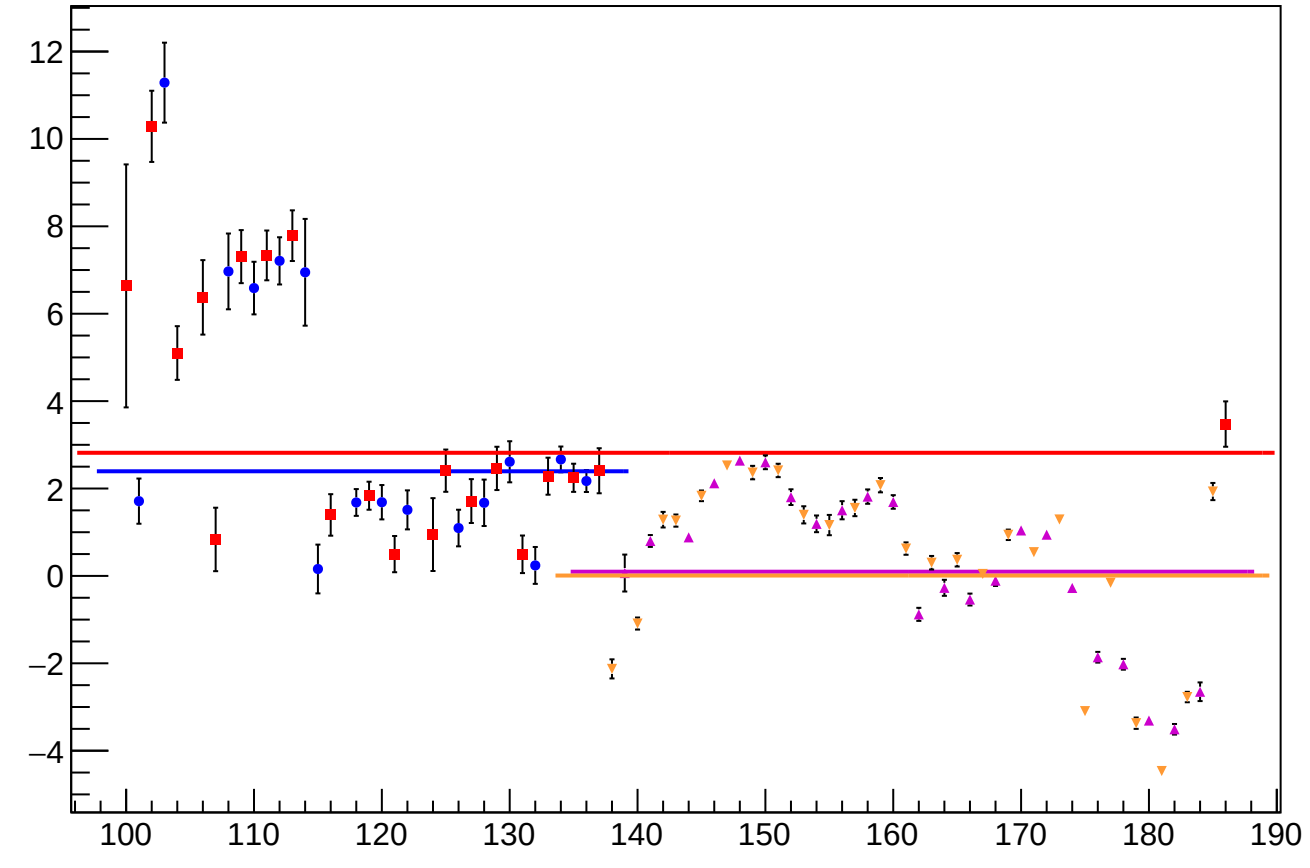
Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

Right: 1.688+/-0.073 χ^2/NDF: 2112.9/35

In: 7.307+/-0.034 χ^2/NDF:13275.8/38

Out: 7.329+/-0.033 χ^2/NDF:19380.9/44

All: 7.318+/-0.024 χ^2/NDF: 32656.8/83



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

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

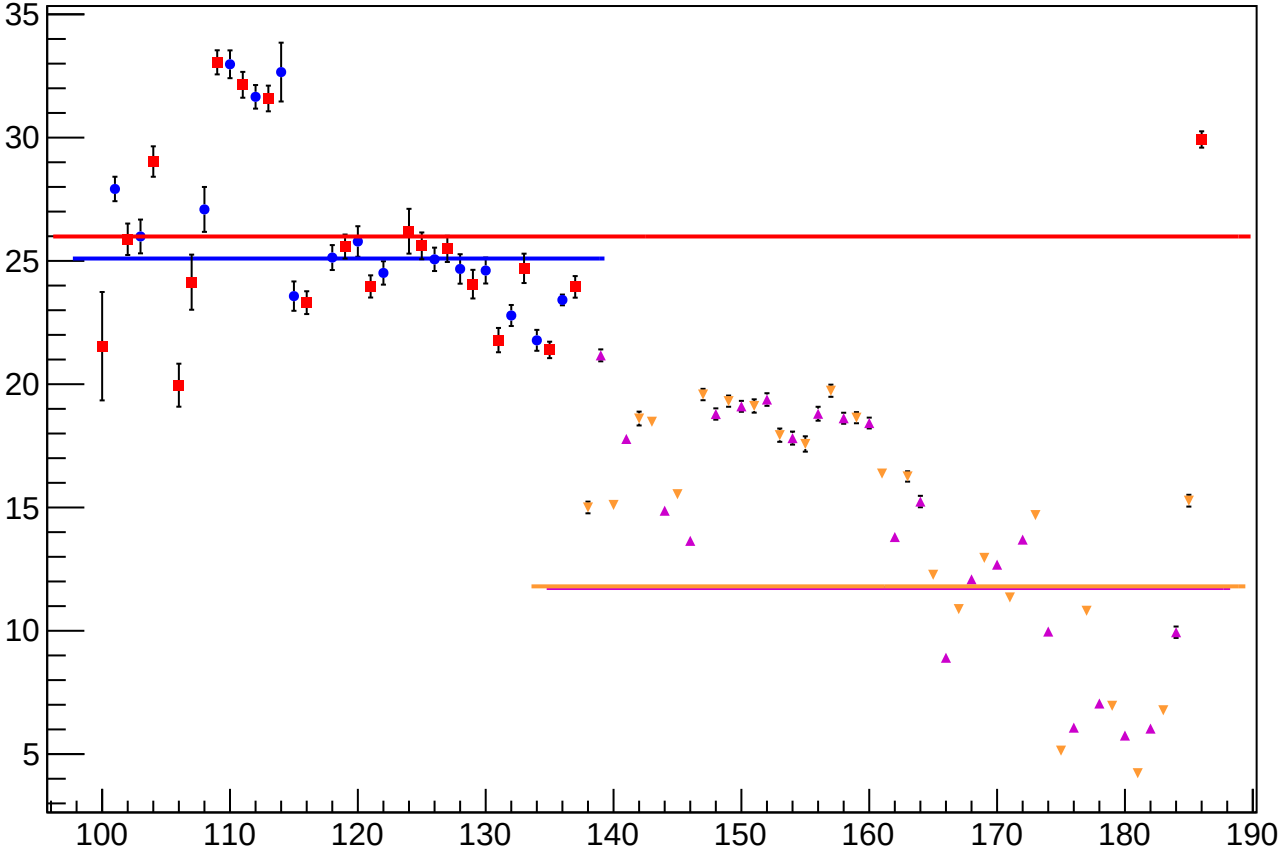
Right: 2.597+/-0.078 χ^2/NDF: 753.8/35

In: 0.241+/-0.027 χ^2/NDF:5188.8/38

Out: 0.165+/-0.027 χ^2/NDF:6756.2/44

All: 0.203+/-0.019 χ^2/NDF: 11948.9/83

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 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

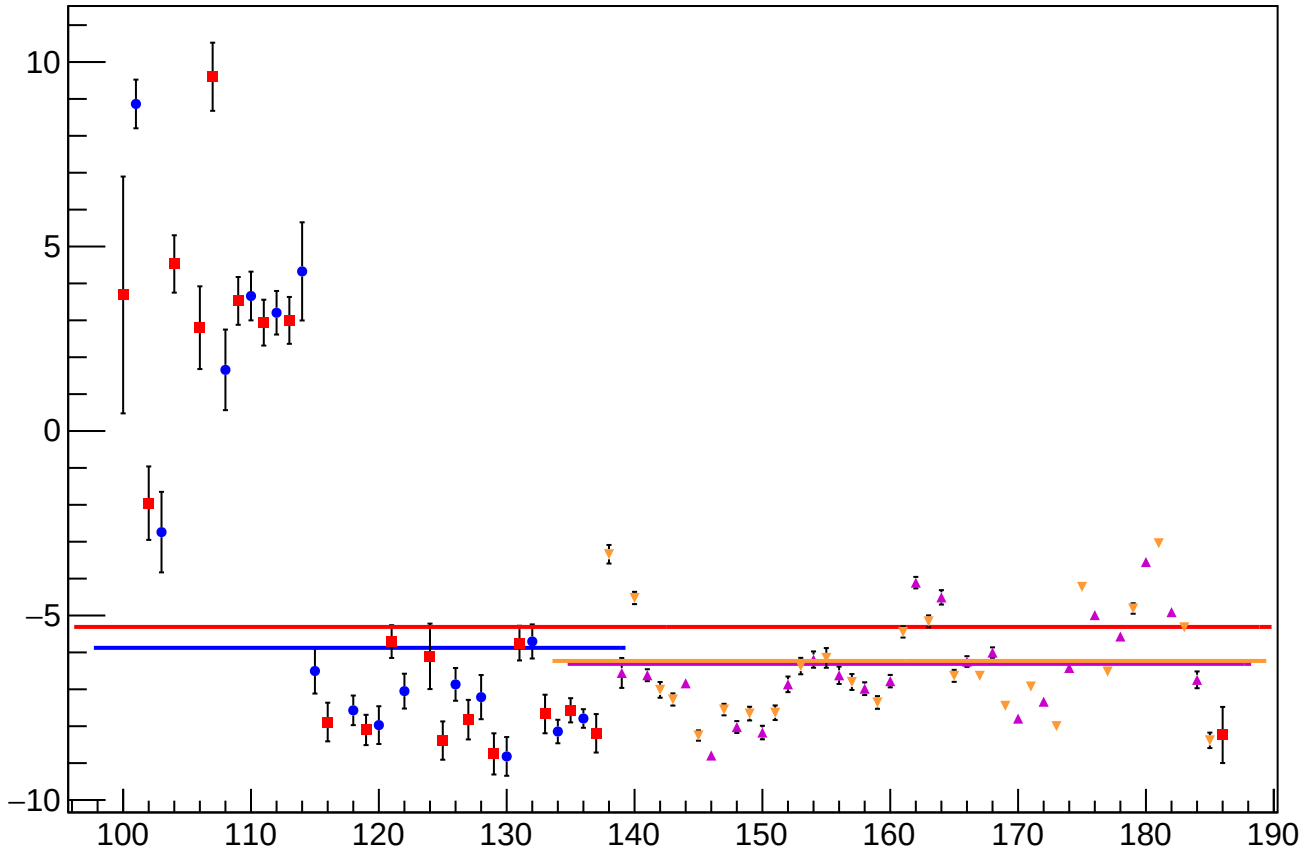
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 25.549+/-0.083 χ^2/NDF: 1690.7/35

In: 12.870+/-0.034 χ^2/NDF:30447.3/38

Out: 12.973+/-0.033 χ^2/NDF:36208.3/44

All: 12.923+/-0.024 χ^2/NDF: 66660.4/83



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

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

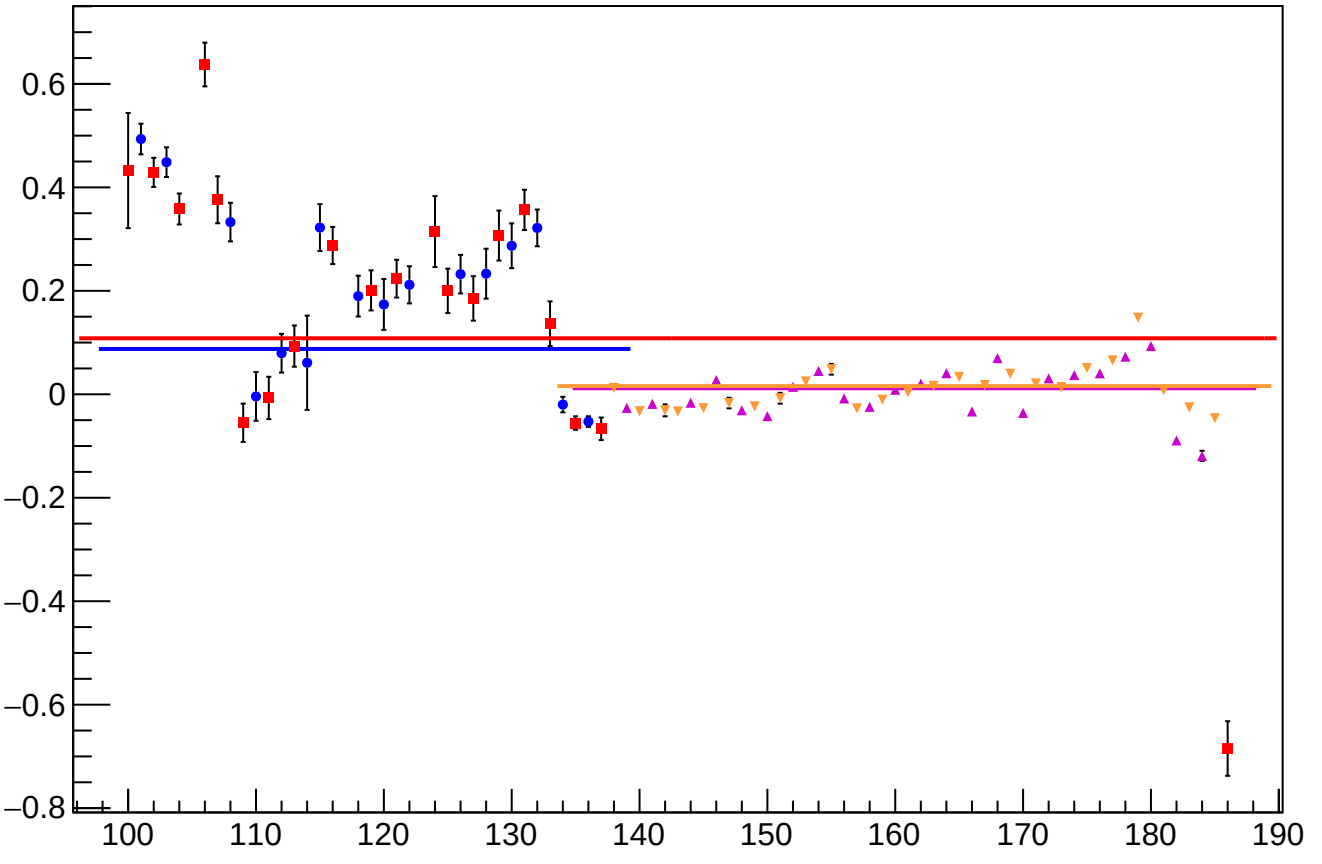
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.609+/-0.088 χ^2/NDF: 2569.1/35

In: -6.284+/-0.030 χ^2/NDF:3293.7/38

Out: -6.180+/-0.030 χ^2/NDF:3806.5/44

All: -6.231+/-0.021 χ^2/NDF: 7106.2/83



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

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

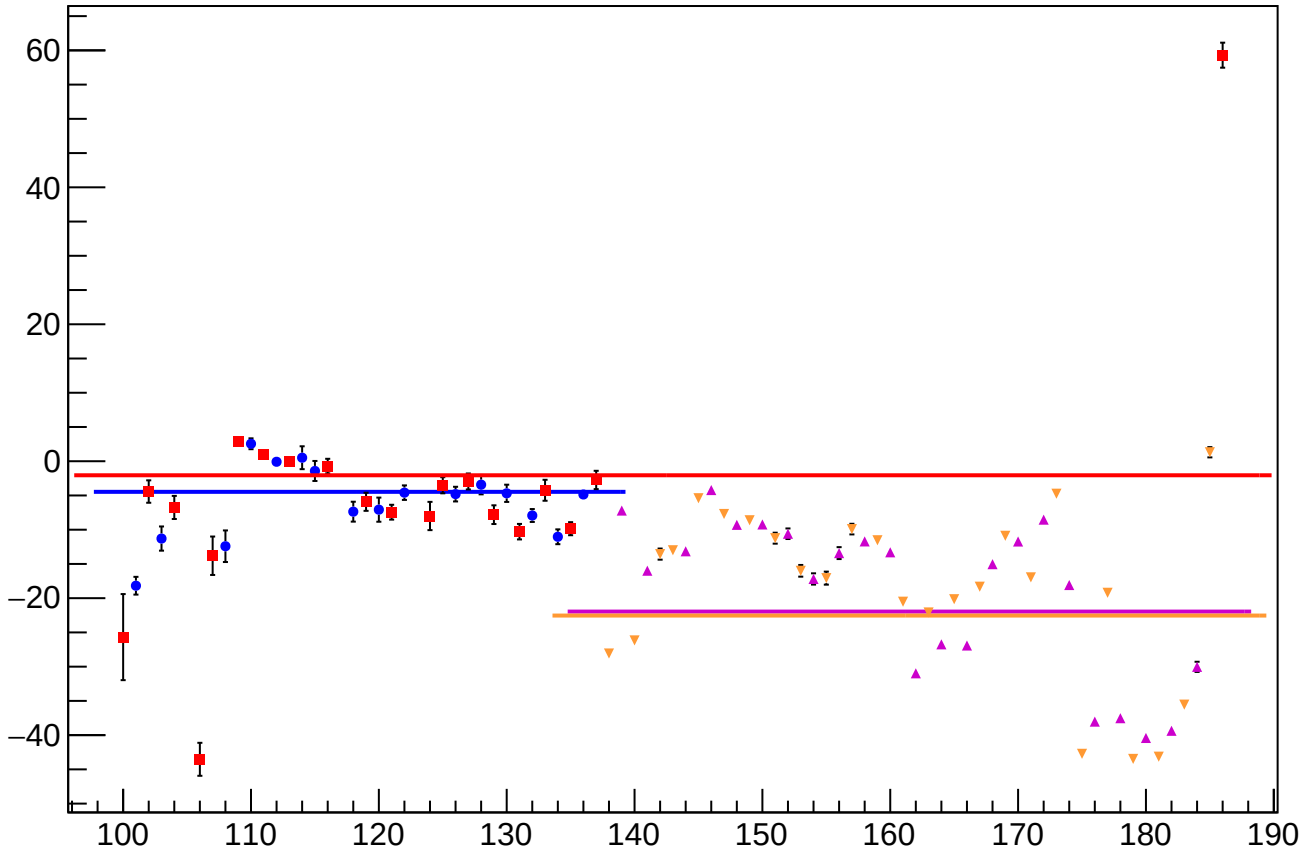
Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

Right: 0.097+/-0.005 χ^2/NDF: 1765.0/35

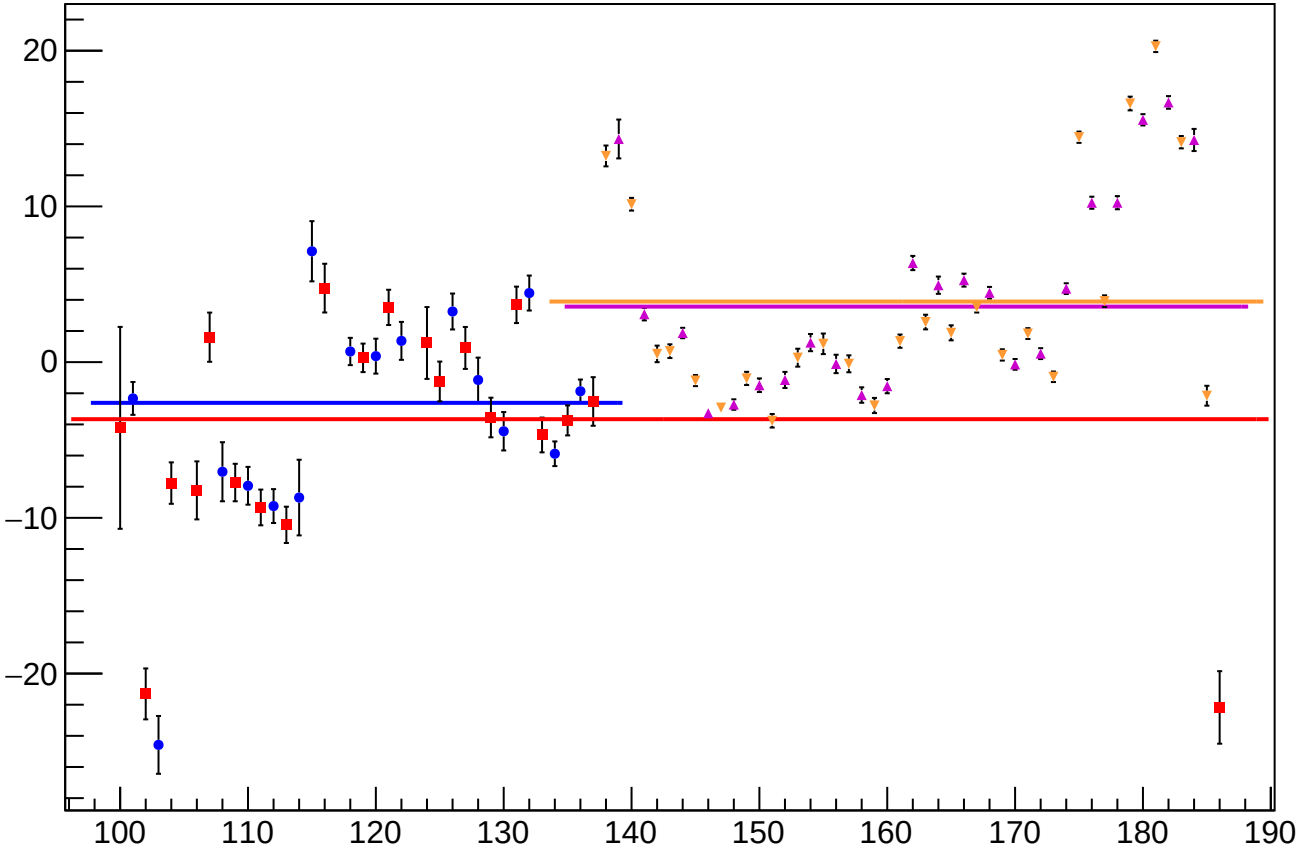
In: 0.015+/-0.001 χ^2/NDF:2192.4/38

Out: 0.019+/-0.001 χ^2/NDF:2082.6/44

All: 0.017+/-0.001 χ^2/NDF: 4279.3/83


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -22.538+/-0.108 χ²/NDF:16540.6/24
Right Out: -2.051+/-0.258 χ²/NDF: 1735.2/19
Left In: -21.957+/-0.111 χ²/NDF:12585.3/22
Left: -22.255+/-0.078 χ²/NDF: 29139.9/47
Right: -3.214+/-0.186 χ²/NDF: 2109.2/35
In: -19.397+/-0.103 χ²/NDF:16539.3/38
Out: -19.483+/-0.100 χ²/NDF:23631.9/44
All: -19.441+/-0.072 χ²/NDF: 40171.6/83

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 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

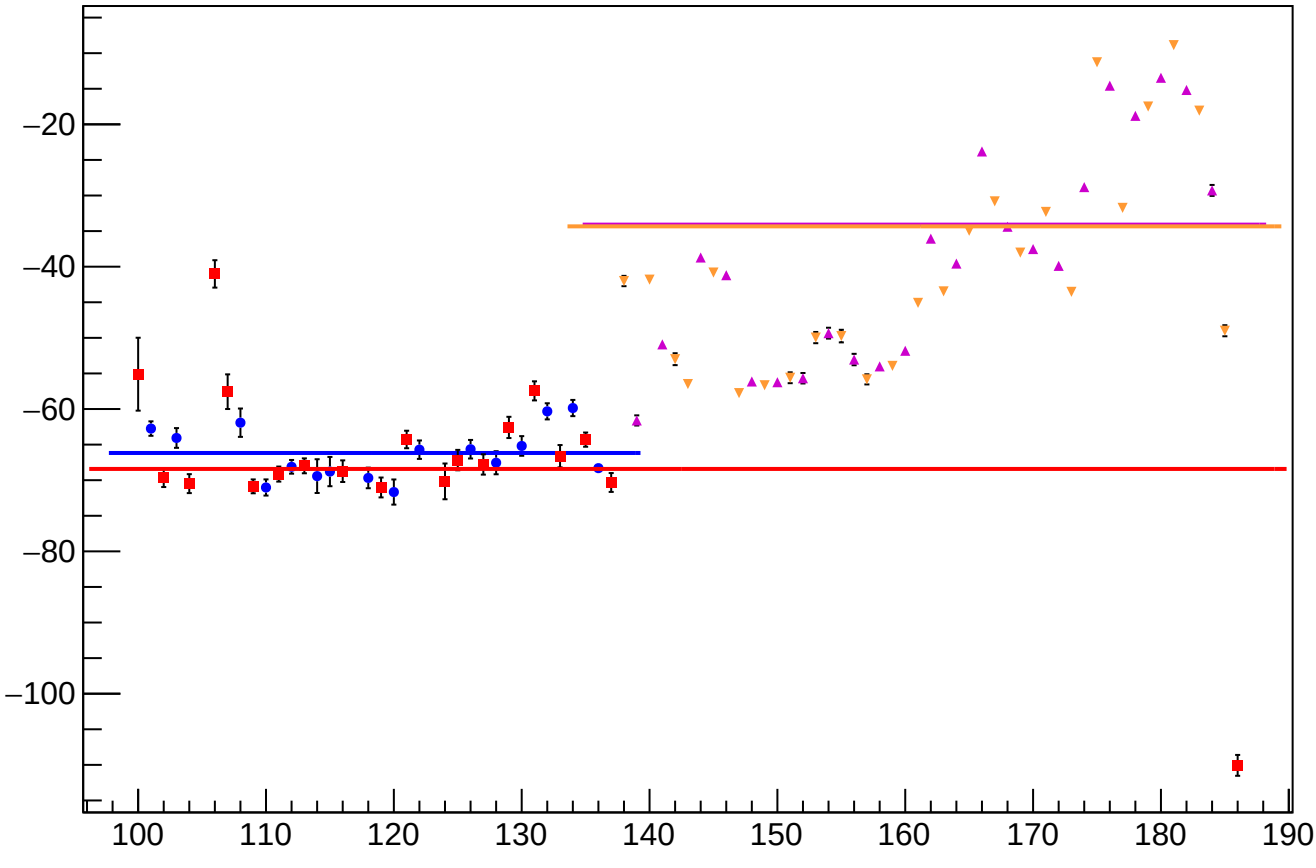
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -3.120+/-0.206 χ^2/NDF: 782.3/35

In: 3.050+/-0.083 χ^2/NDF:5520.2/38

Out: 3.326+/-0.081 χ^2/NDF:7749.3/44

All: 3.190+/-0.058 χ^2/NDF: 13275.2/83



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

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

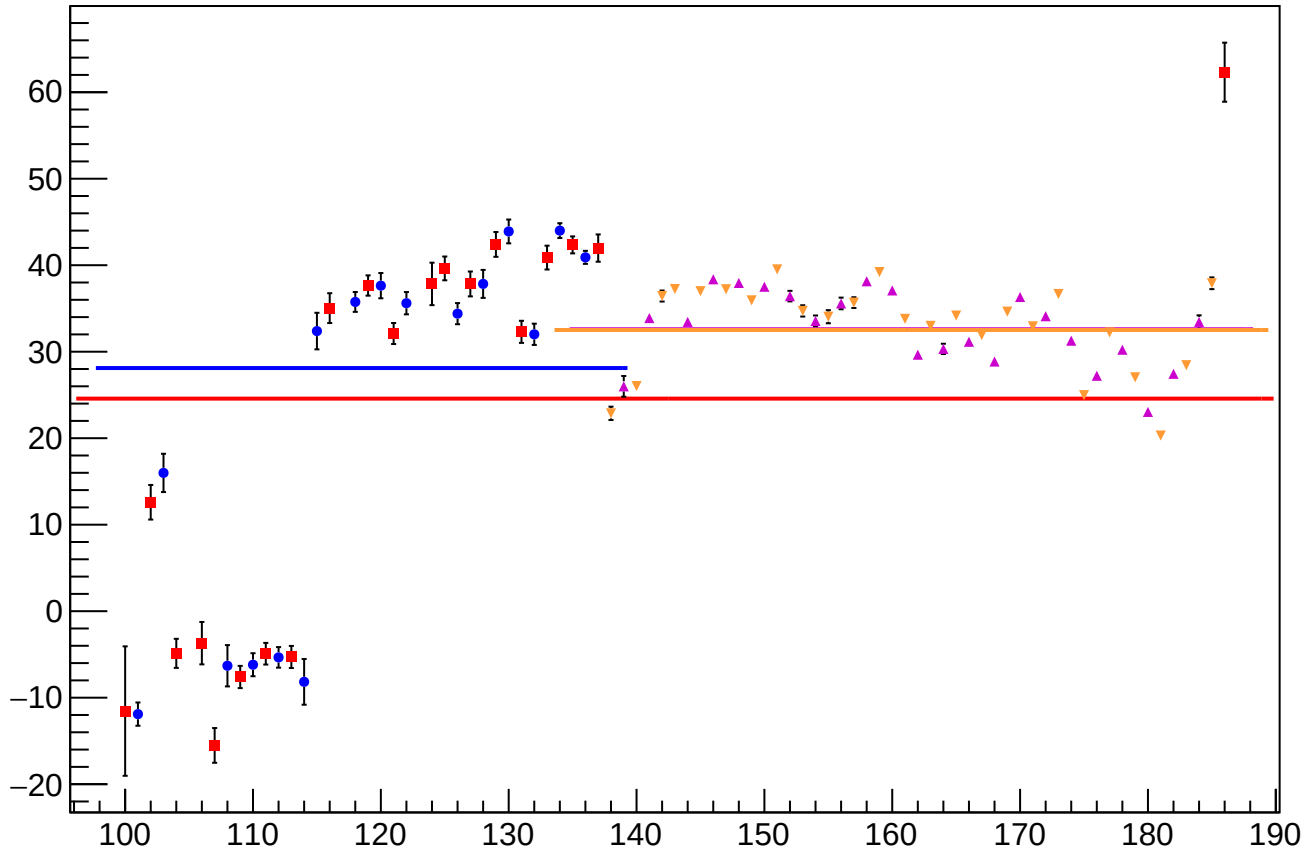
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -67.292+/-0.216 χ^2/NDF: 1321.6/35

In: -37.855+/-0.104 χ^2/NDF:27667.3/38

Out: -38.135+/-0.102 χ^2/NDF:33417.5/44

All: -37.998+/-0.073 χ^2/NDF: 61088.4/83



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

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

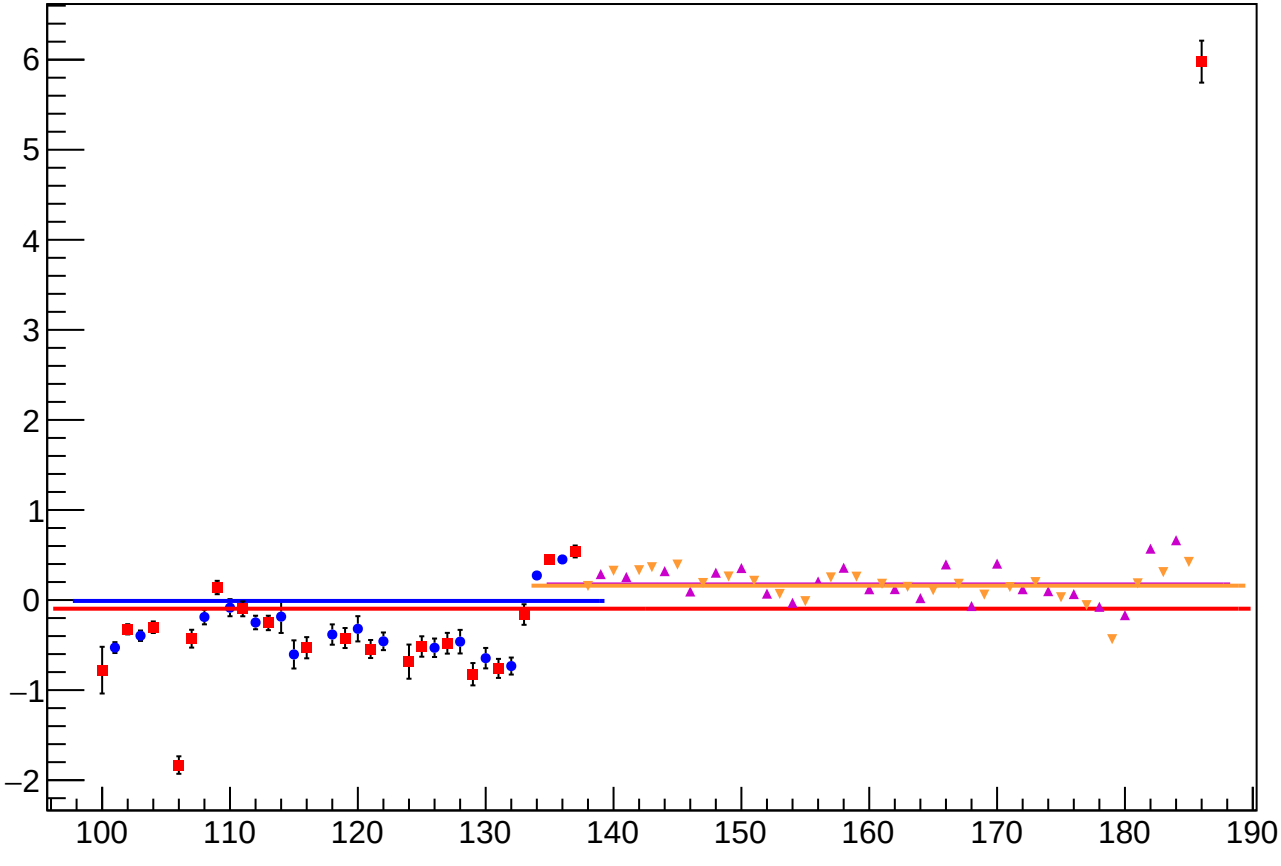
Right: 26.420+/-0.231 χ^2/NDF: 7751.1/35

In: 32.222+/-0.093 χ^2/NDF:5920.7/38

Out: 31.922+/-0.091 χ^2/NDF:7425.5/44

All: 32.070+/-0.065 χ^2/NDF: 13351.5/83

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.160+/-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

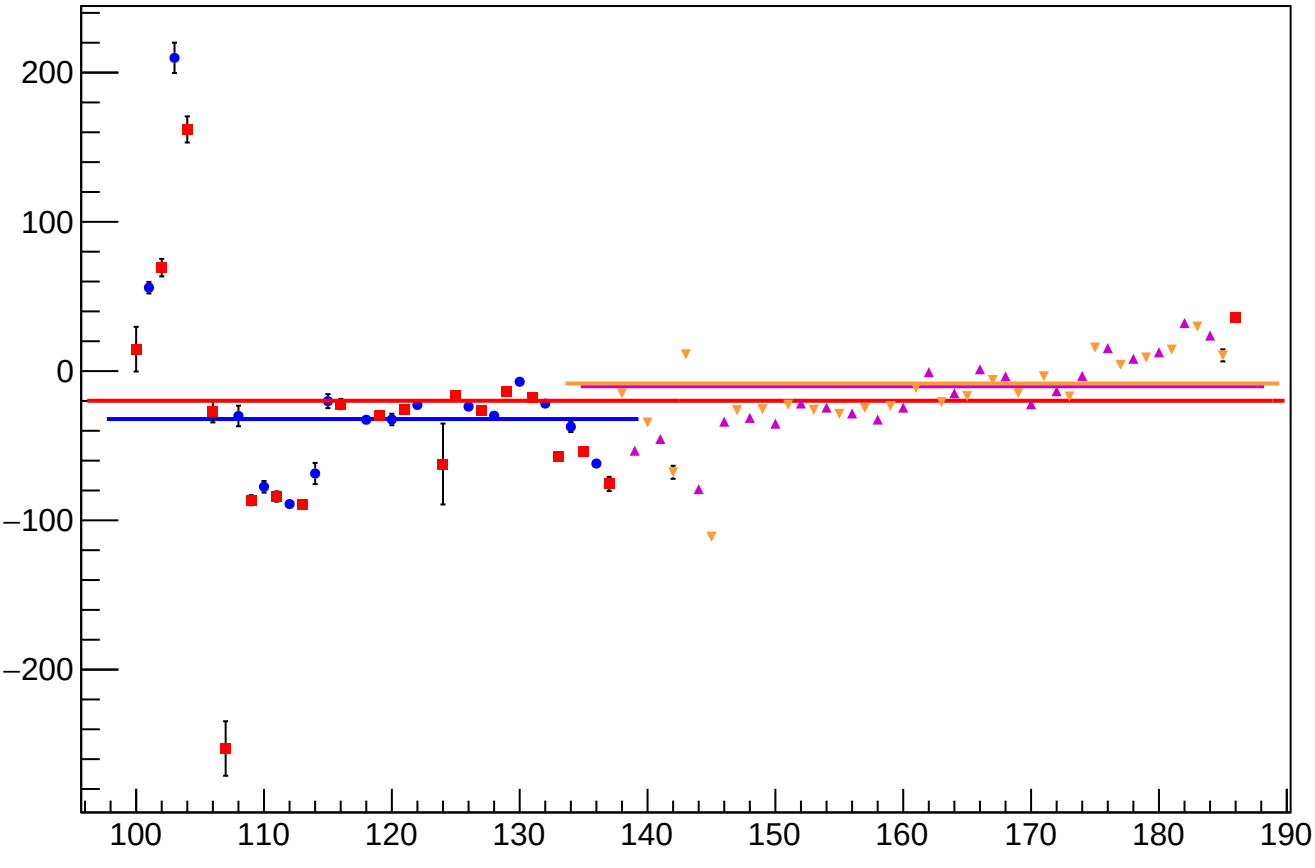
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.050+/-0.013 χ^2/NDF: 2101.4/35

In: 0.162+/-0.004 χ^2/NDF:2822.3/38

Out: 0.147+/-0.004 χ^2/NDF:3292.3/44

All: 0.155+/-0.003 χ^2/NDF: 6121.2/83



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

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

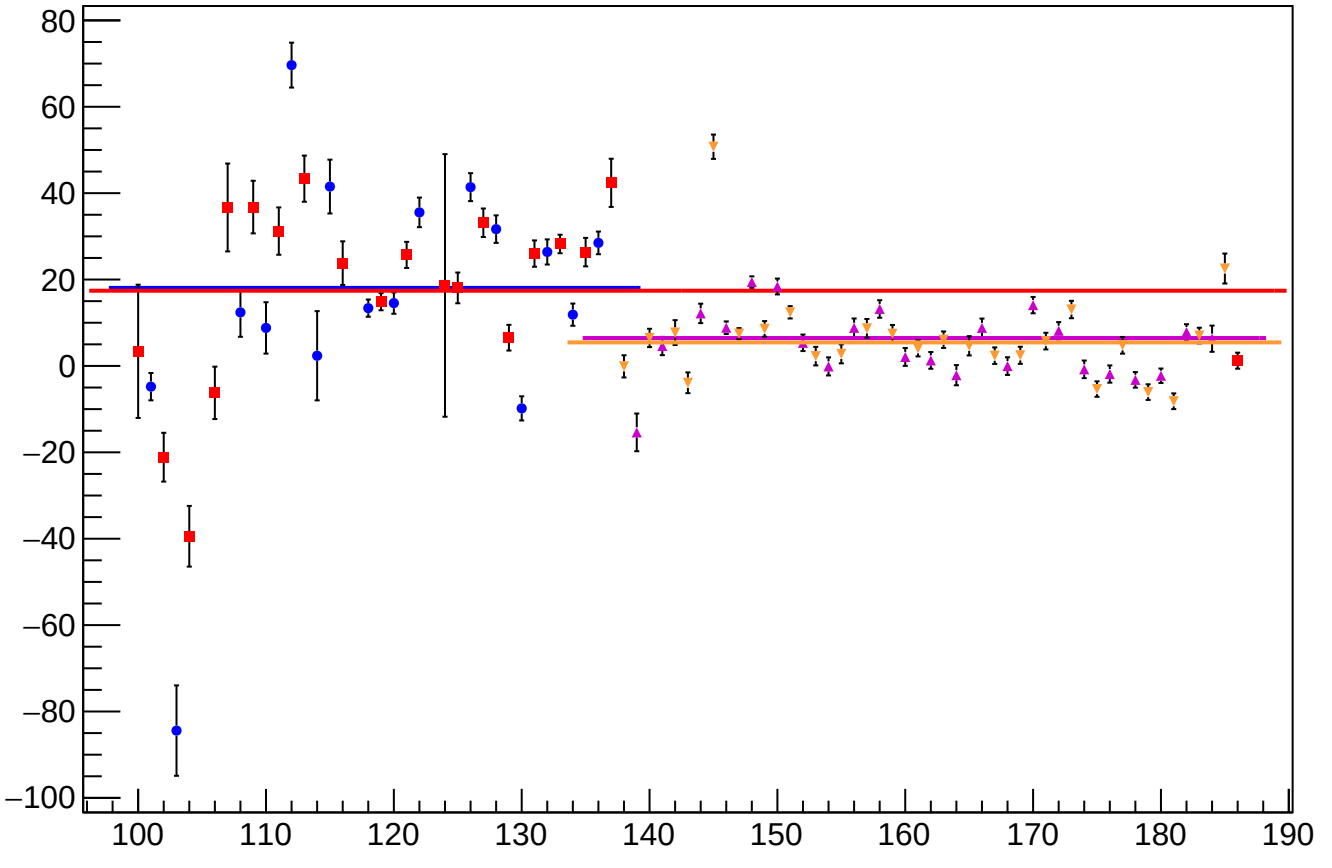
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -25.276+/-0.560 χ^2/NDF: 5822.2/35

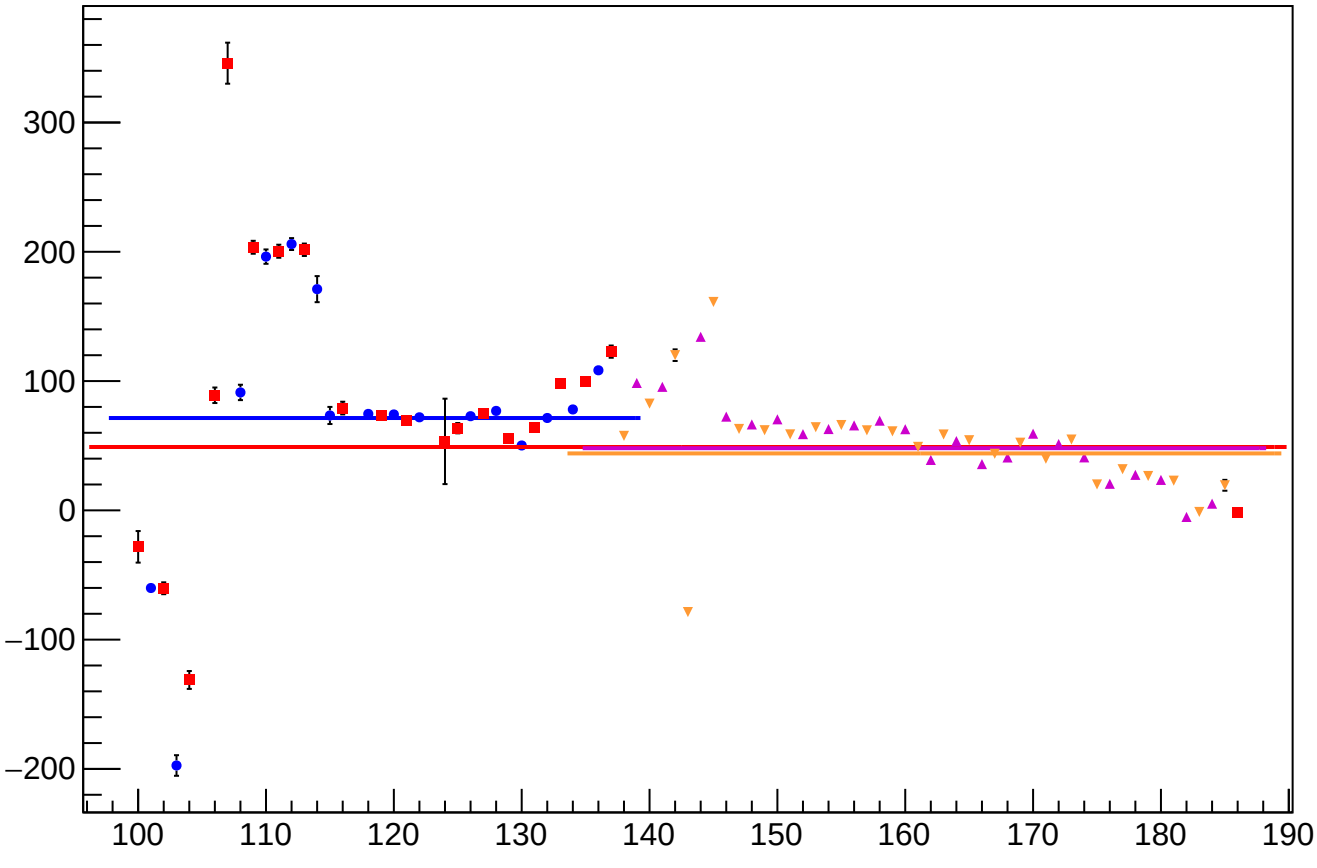
In: -16.336+/-0.446 χ^2/NDF:4883.3/38

Out: -12.000+/-0.424 χ^2/NDF:6548.8/44

All: -14.055+/-0.307 χ^2/NDF: 11481.7/83


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 17.416+/-0.787 χ²/NDF: 355.4/19
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 17.728+/-0.569 χ²/NDF: 855.3/35
In: 8.753+/-0.366 χ²/NDF:995.3/38
Out: 7.845+/-0.352 χ²/NDF:1034.2/44
All: 8.282+/-0.254 χ²/NDF: 2032.7/83

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

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

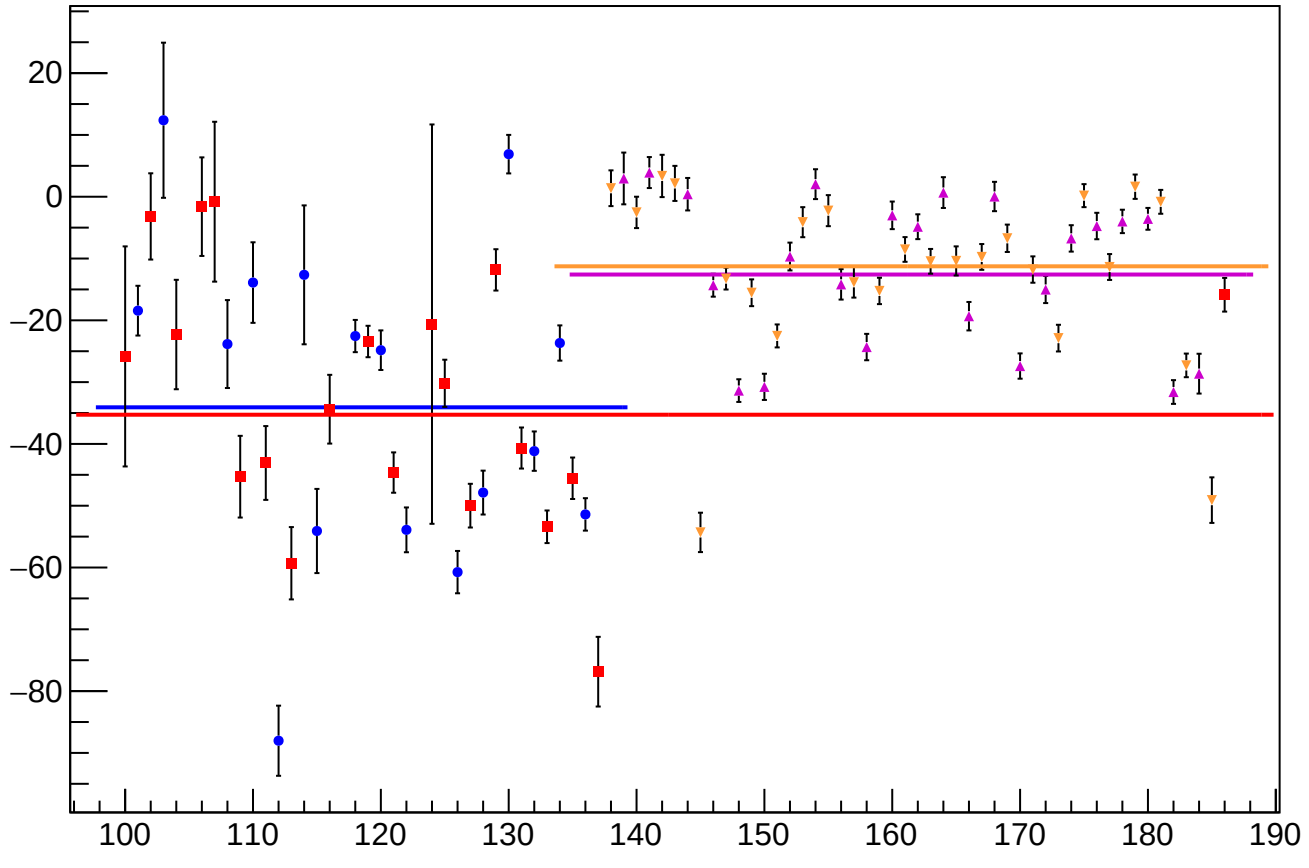
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 57.983+/-0.589 χ^2/NDF: 12484.6/35

In: 53.646+/-0.455 χ^2/NDF:8674.7/38

Out: 45.578+/-0.424 χ^2/NDF:11910.8/44

All: 49.326+/-0.310 χ^2/NDF: 20753.9/83



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

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

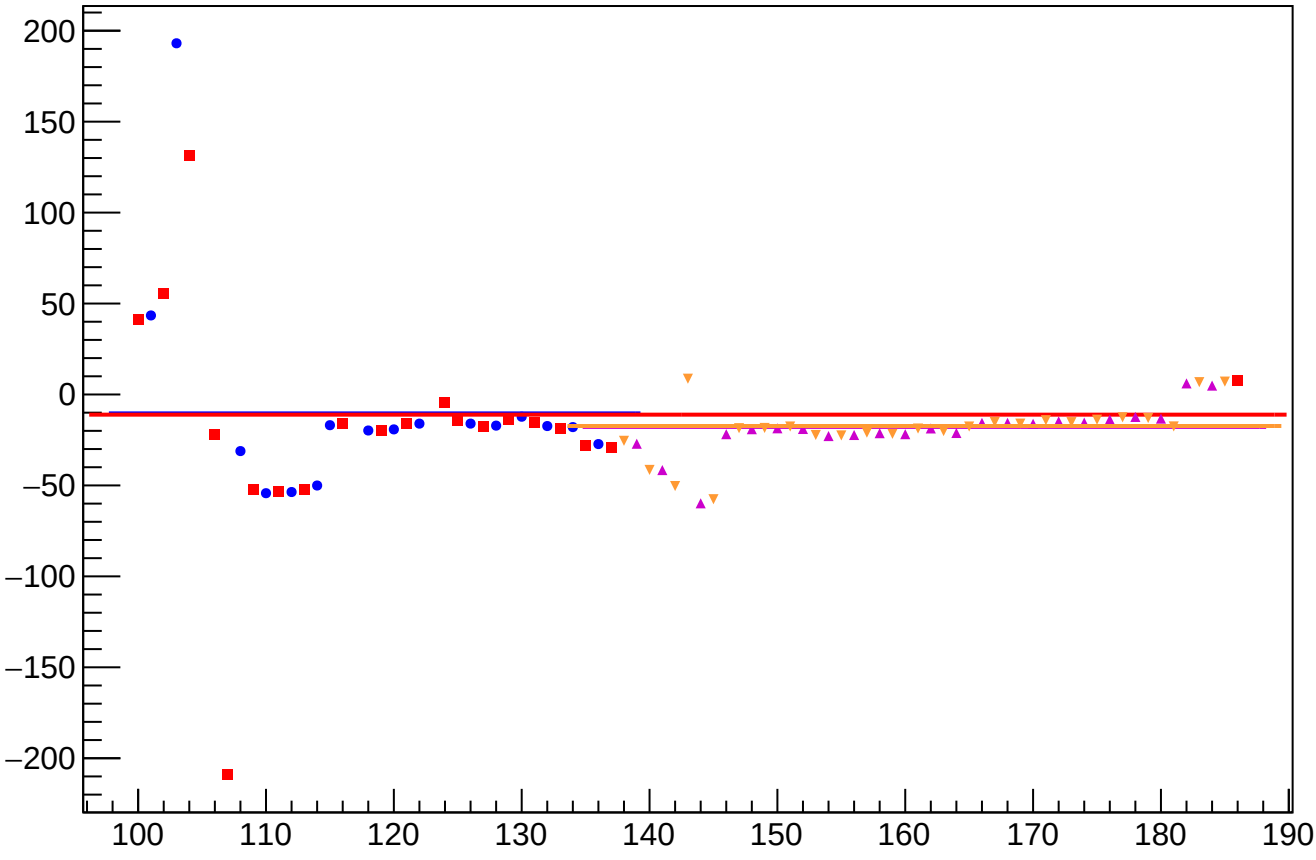
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -34.681+/-0.663 χ^2/NDF: 844.1/35

In: -16.708+/-0.413 χ^2/NDF:1603.4/38

Out: -15.703+/-0.402 χ^2/NDF:1514.5/44

All: -16.192+/-0.288 χ^2/NDF: 3121.0/83



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

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

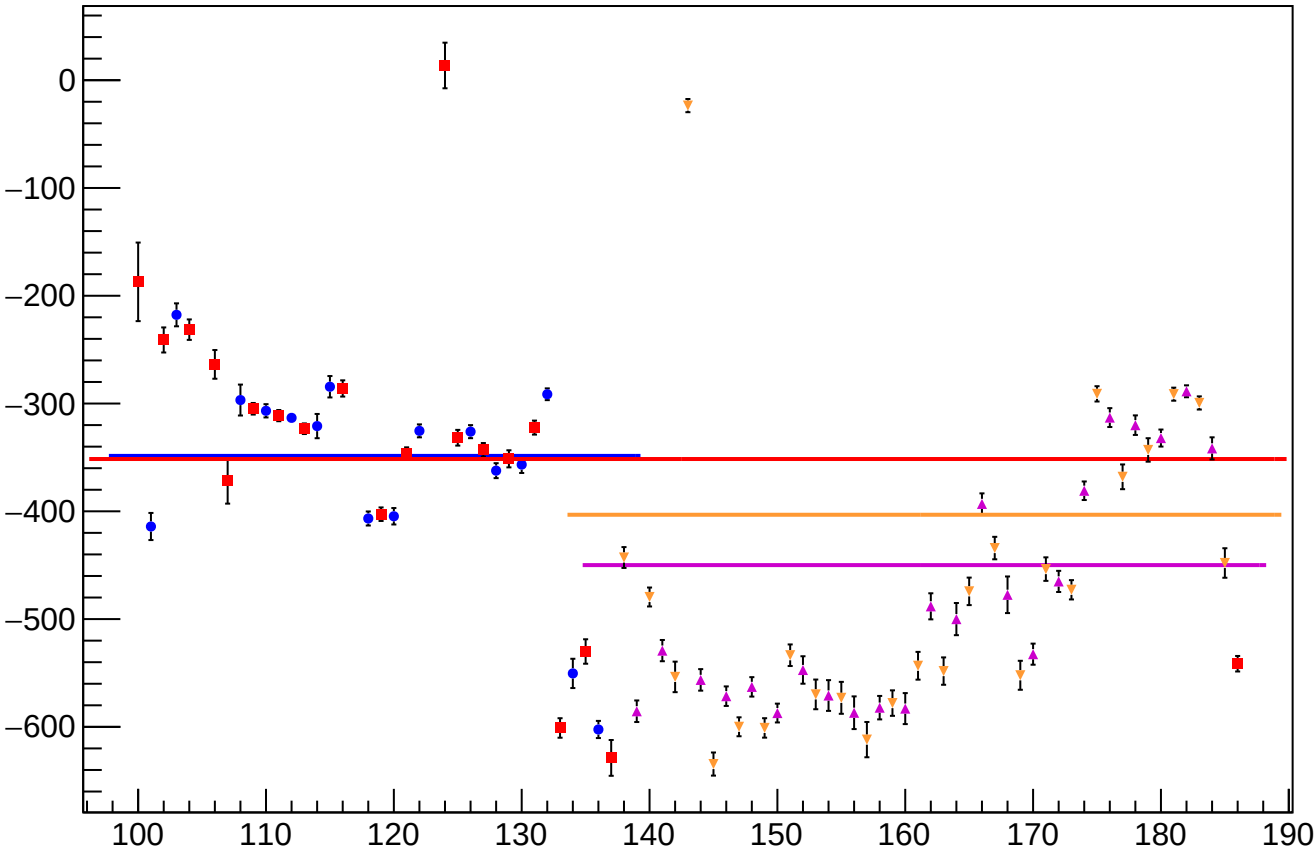
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -10.730+/-0.041 χ^2/NDF: 982617.9/35

In: -16.989+/-0.019 χ^2/NDF:804923.8/38

Out: -16.701+/-0.019 χ^2/NDF:817846.6/44

All: -16.843+/-0.013 χ^2/NDF: 1622885.5/83



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

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

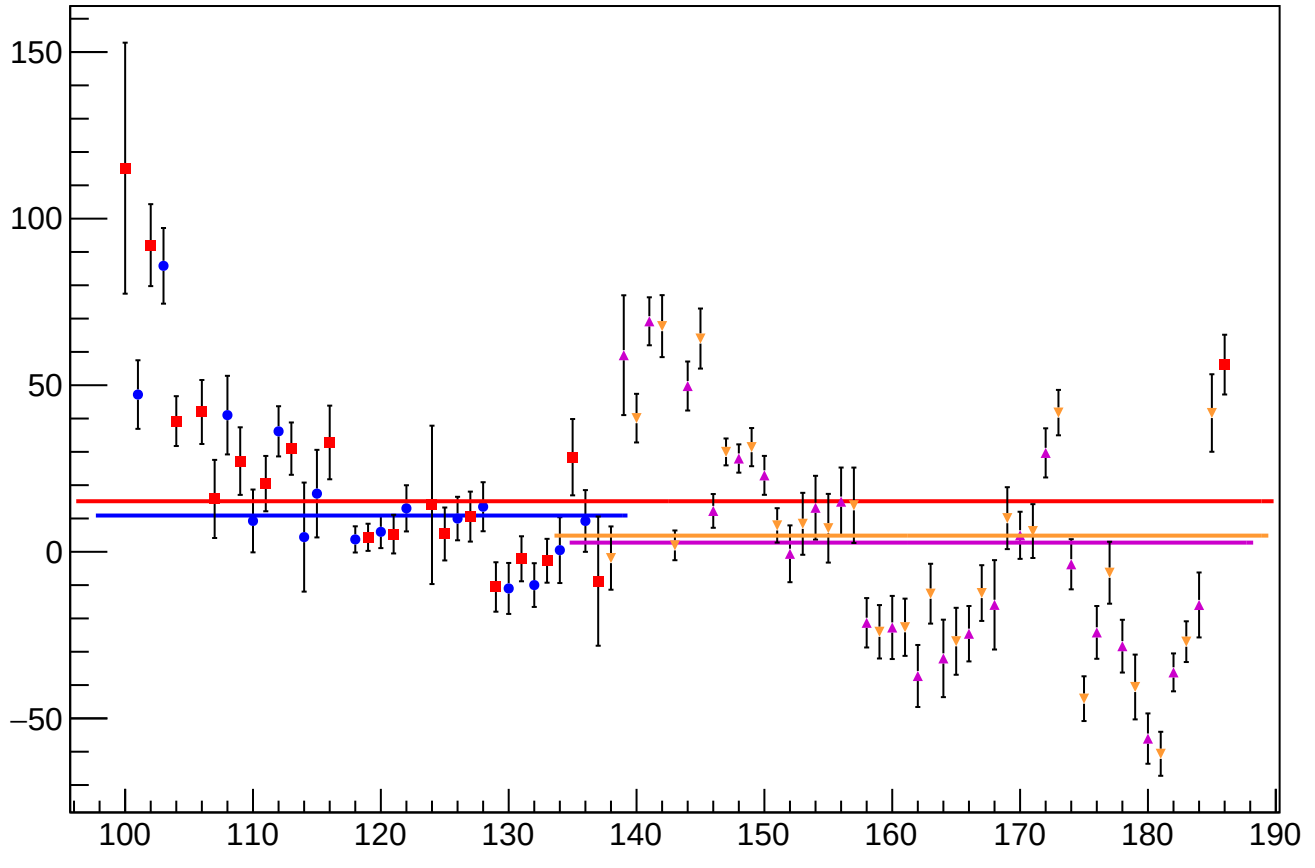
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -350.125+/-1.247 χ^2/NDF: 4793.5/35

In: -393.542+/-1.361 χ^2/NDF:6445.4/38

Out: -374.240+/-1.279 χ^2/NDF:11087.2/44

All: -383.291+/-0.932 χ^2/NDF: 17639.4/83



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

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

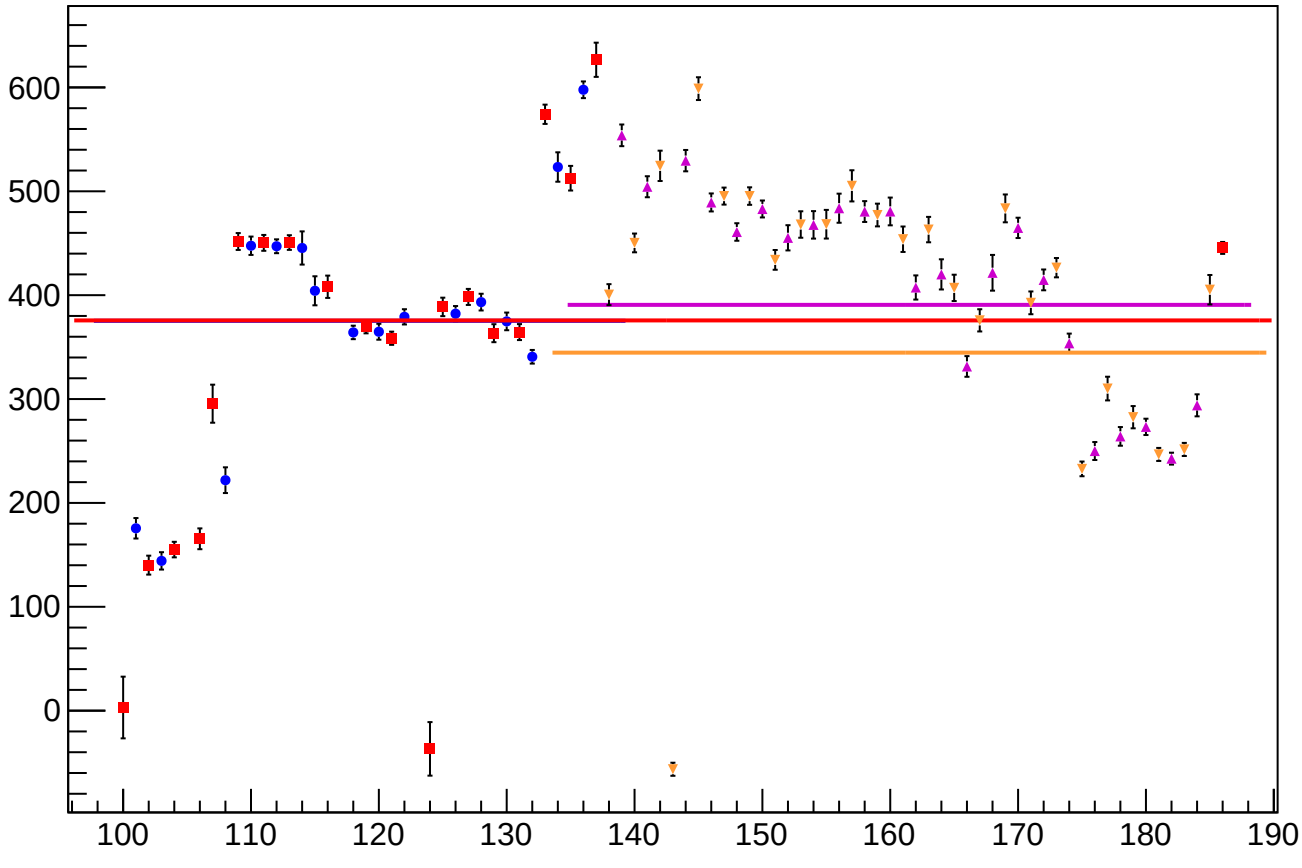
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 13.065+/-1.293 χ^2/NDF: 235.2/35

In: 6.136+/-1.188 χ^2/NDF:509.2/38

Out: 8.866+/-1.132 χ^2/NDF:611.2/44

All: 7.568+/-0.819 χ^2/NDF: 1123.2/83



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

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

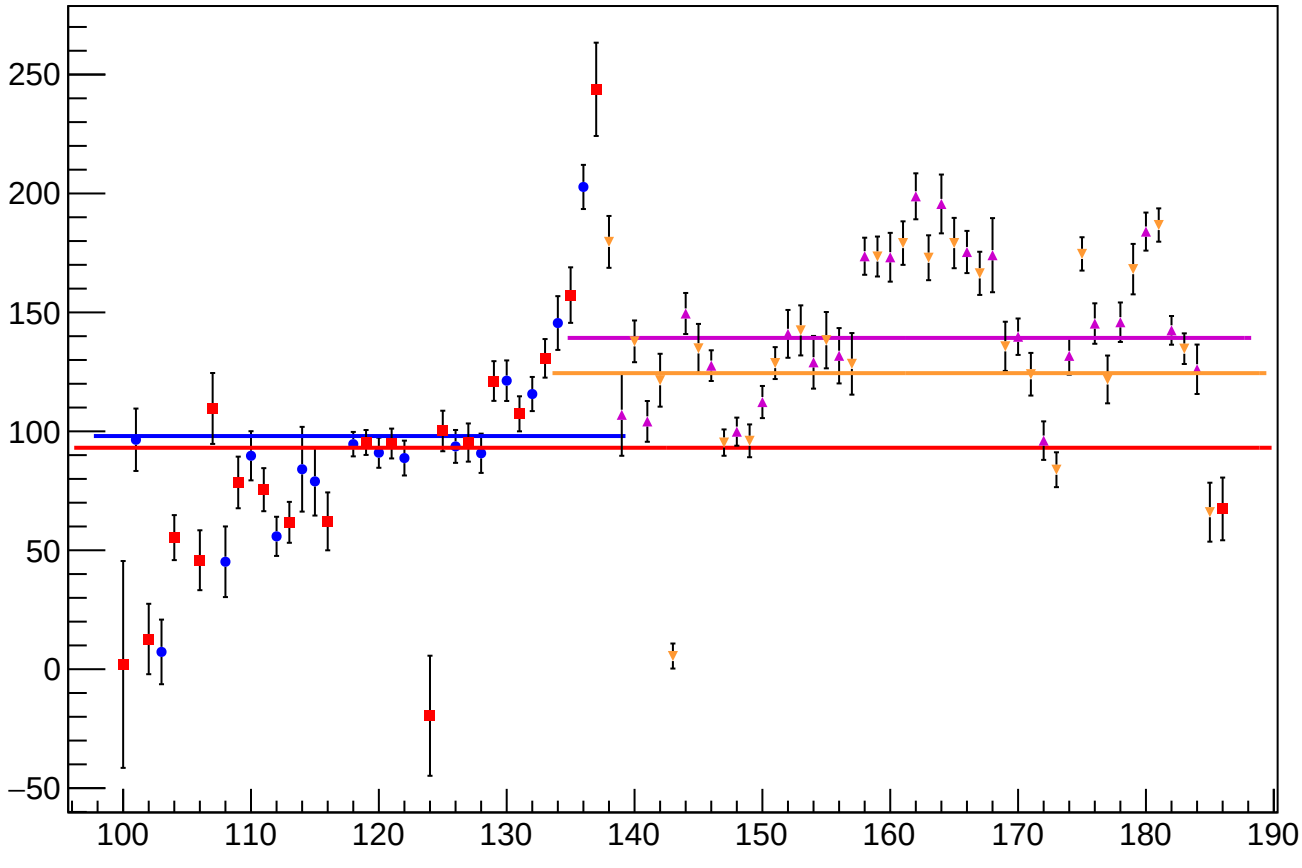
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 375.527+/-1.422 χ^2/NDF: 6156.7/35

In: 383.268+/-1.460 χ^2/NDF:5149.8/38

Out: 360.139+/-1.363 χ^2/NDF:11115.0/44

All: 370.906+/-0.996 χ^2/NDF: 16398.9/83



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

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

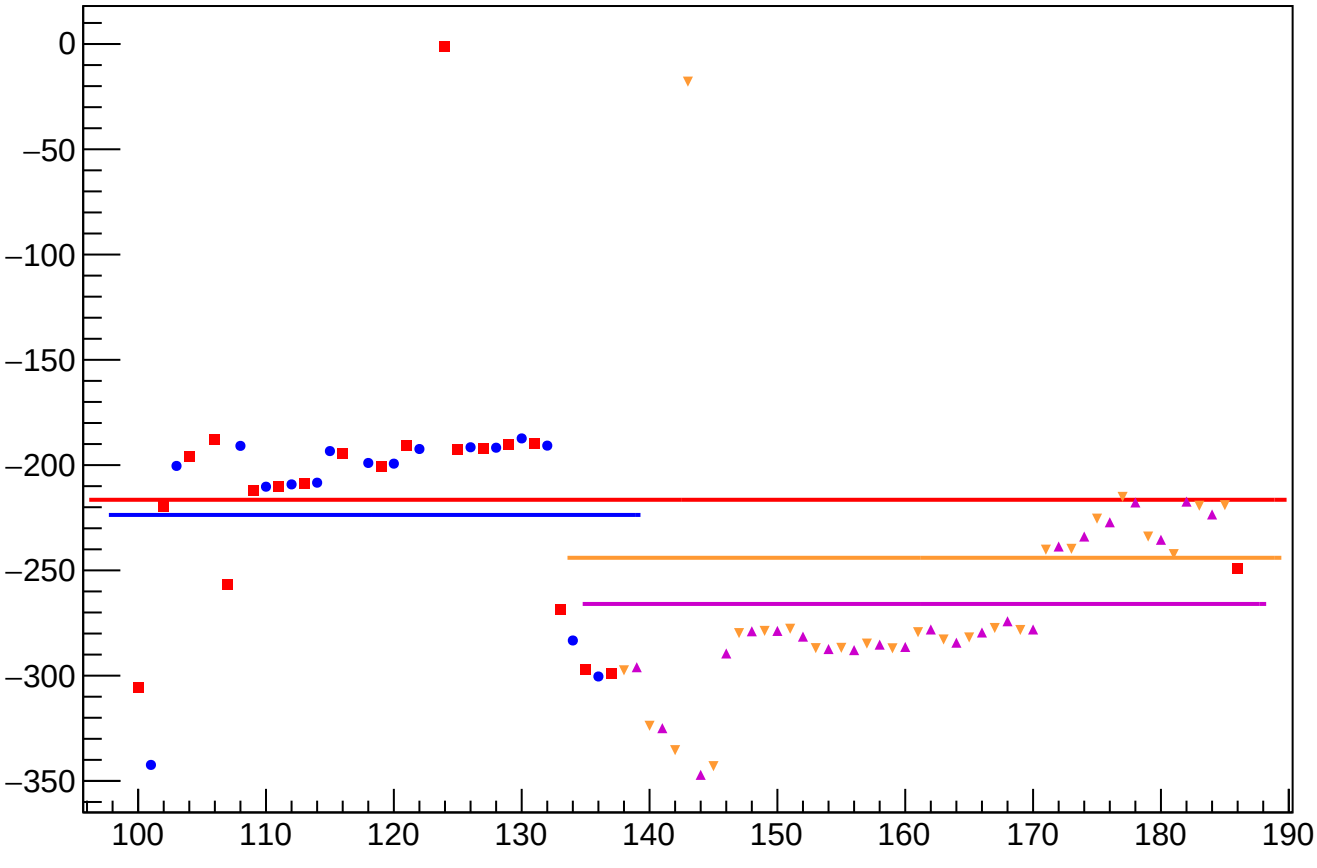
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 95.519+/-1.504 χ^2/NDF: 493.2/35

In: 122.562+/-1.365 χ^2/NDF:730.6/38

Out: 112.462+/-1.306 χ^2/NDF:1315.0/44

All: 117.289+/-0.943 χ^2/NDF: 2074.1/83



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -216.470+/-0.133 χ^2/NDF: 82755.7/19

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

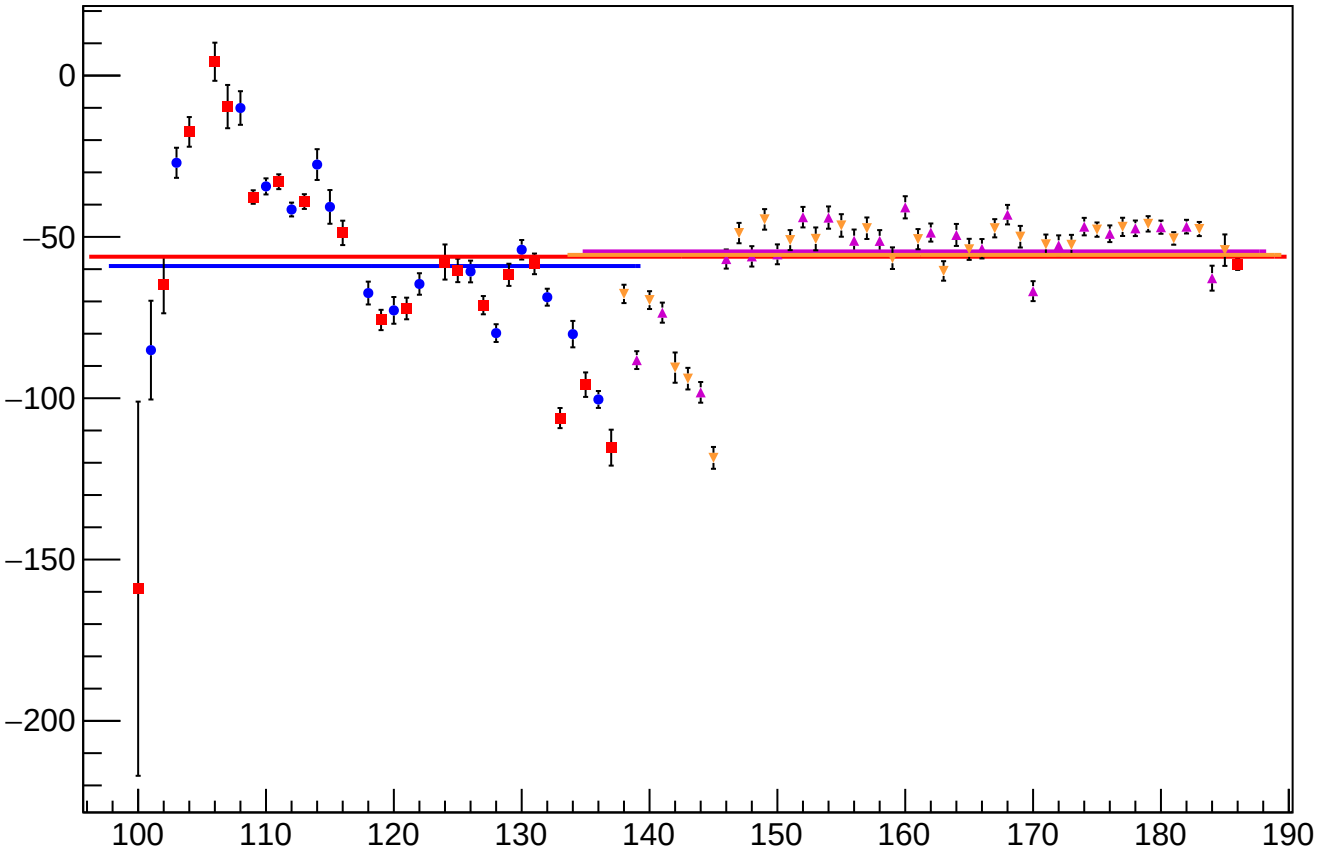
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

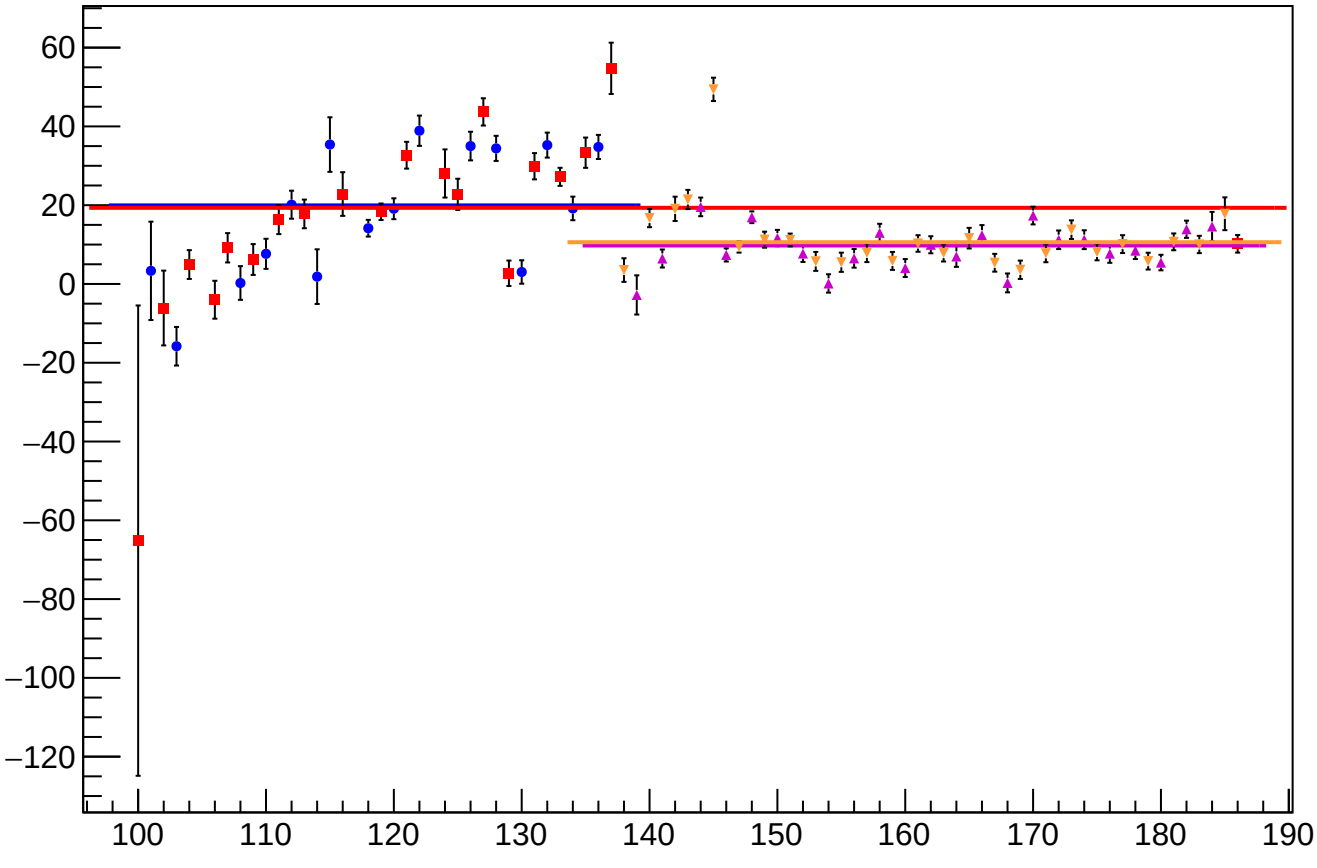
Right: -219.926+/-0.096 χ^2/NDF: 205691.2/35

In: -255.244+/-0.070 χ^2/NDF:361286.2/38

Out: -237.055+/-0.067 χ^2/NDF:1112809.1/44

All: -245.785+/-0.048 χ^2/NDF: 1509638.7/83


reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: -59.030+/-0.829 χ²/NDF: 727.3/15
Left Out: -55.575+/-0.590 χ²/NDF:686.5/24
Right Out: -56.141+/-0.723 χ²/NDF: 1043.1/19
Left In: -54.499+/-0.606 χ²/NDF:500.4/22
Left: -55.052+/-0.423 χ²/NDF: 1188.5/47
Right: -57.390+/-0.545 χ²/NDF: 1777.3/35
In: -56.077+/-0.489 χ²/NDF:1247.2/38
Out: -55.801+/-0.457 χ²/NDF:1729.9/44
All: -55.930+/-0.334 χ²/NDF: 2977.2/83



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

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

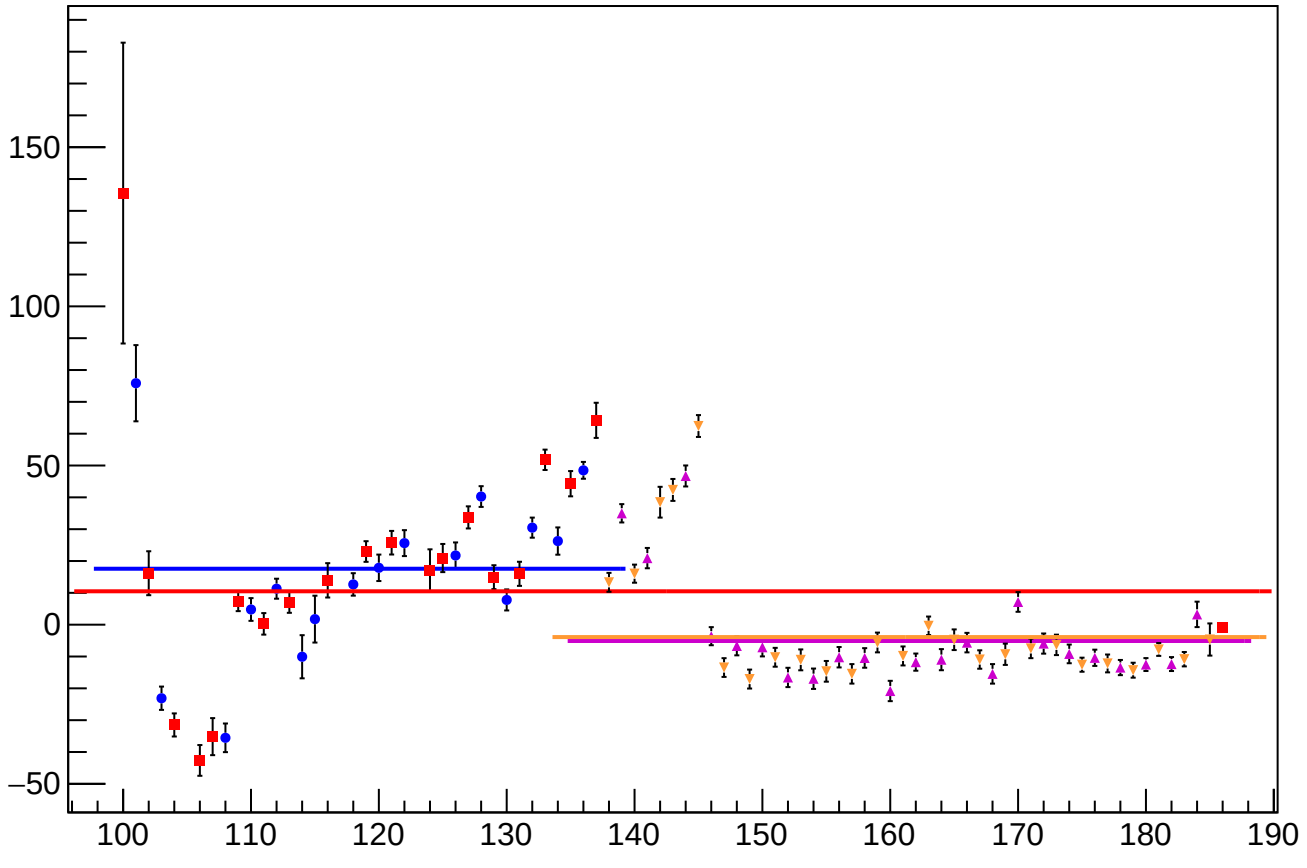
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 19.610+/-0.584 χ^2/NDF: 491.5/35

In: 12.052+/-0.411 χ^2/NDF:475.0/38

Out: 12.741+/-0.390 χ^2/NDF:591.6/44

All: 12.414+/-0.283 χ^2/NDF: 1068.0/83



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 10.488+/-0.784 χ^2/NDF: 819.1/19

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

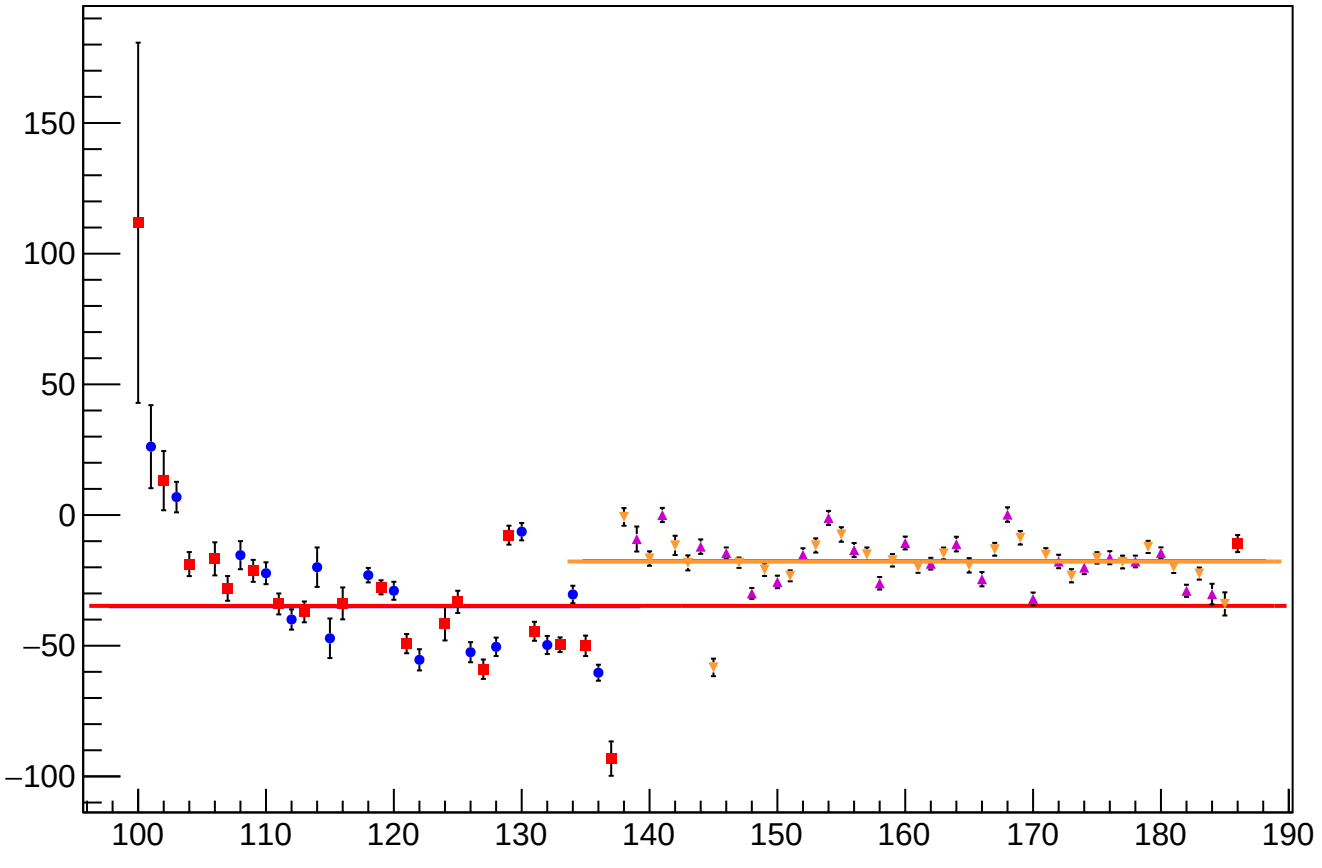
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 13.333+/-0.606 χ^2/NDF: 1398.1/35

In: 1.278+/-0.508 χ^2/NDF:1600.1/38

Out: 1.253+/-0.469 χ^2/NDF:1885.6/44

All: 1.265+/-0.345 χ^2/NDF: 3485.6/83



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

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

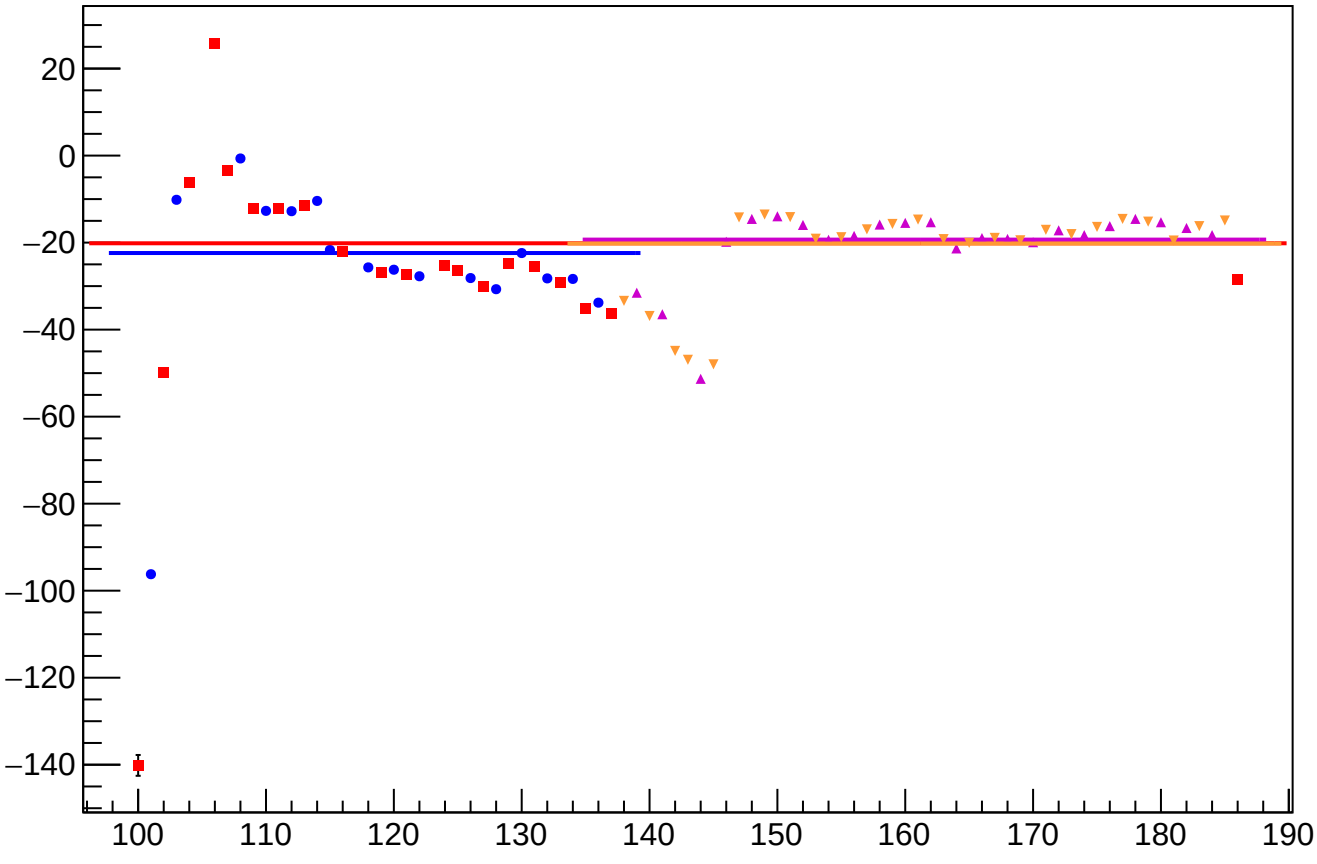
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -34.823+/-0.678 χ^2/NDF: 705.9/35

In: -21.440+/-0.465 χ^2/NDF:869.3/38

Out: -21.691+/-0.446 χ^2/NDF:867.7/44

All: -21.570+/-0.322 χ^2/NDF: 1737.2/83



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

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

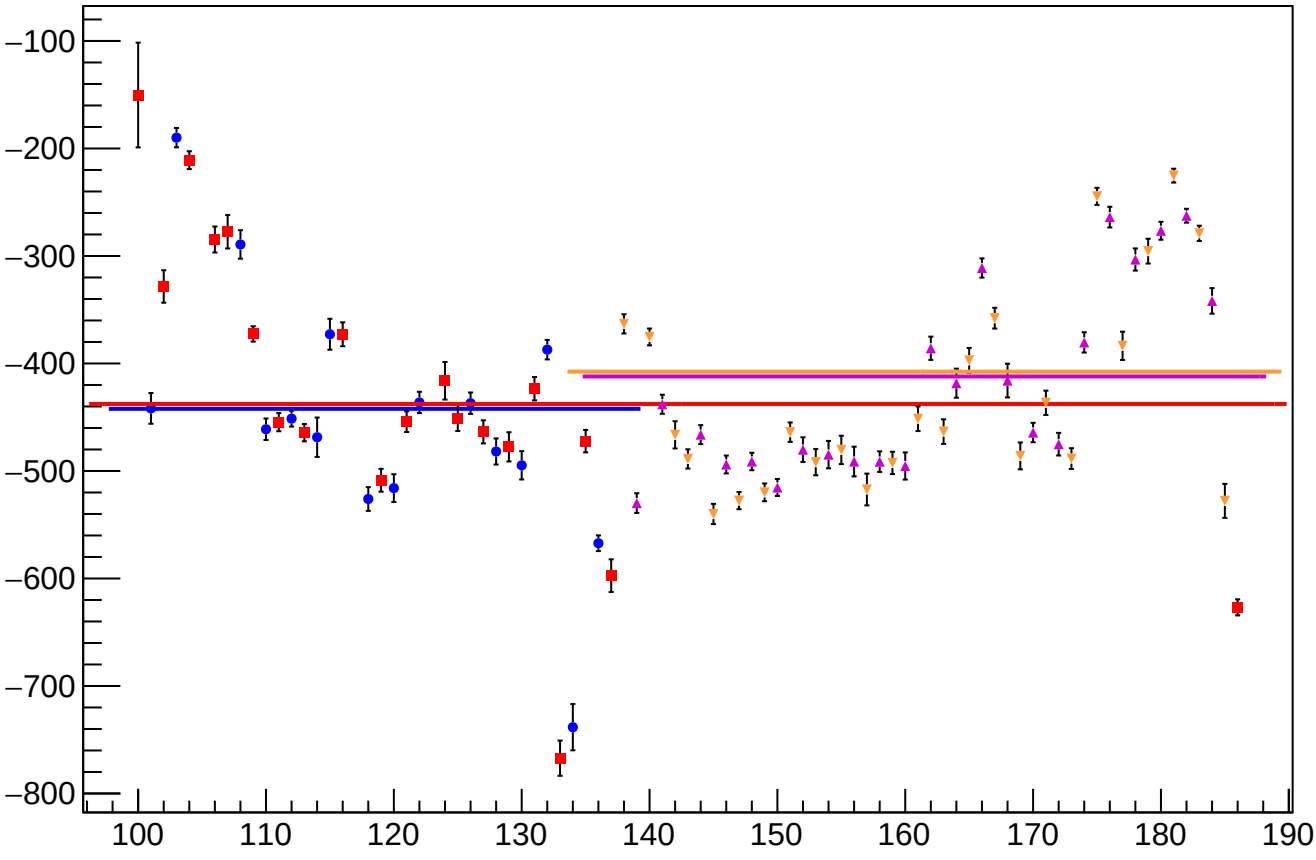
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -21.261+/-0.041 χ^2/NDF: 132523.2/35

In: -19.734+/-0.022 χ^2/NDF:142025.3/38

Out: -20.217+/-0.021 χ^2/NDF:232610.7/44

All: -19.979+/-0.015 χ^2/NDF: 374890.4/83



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

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

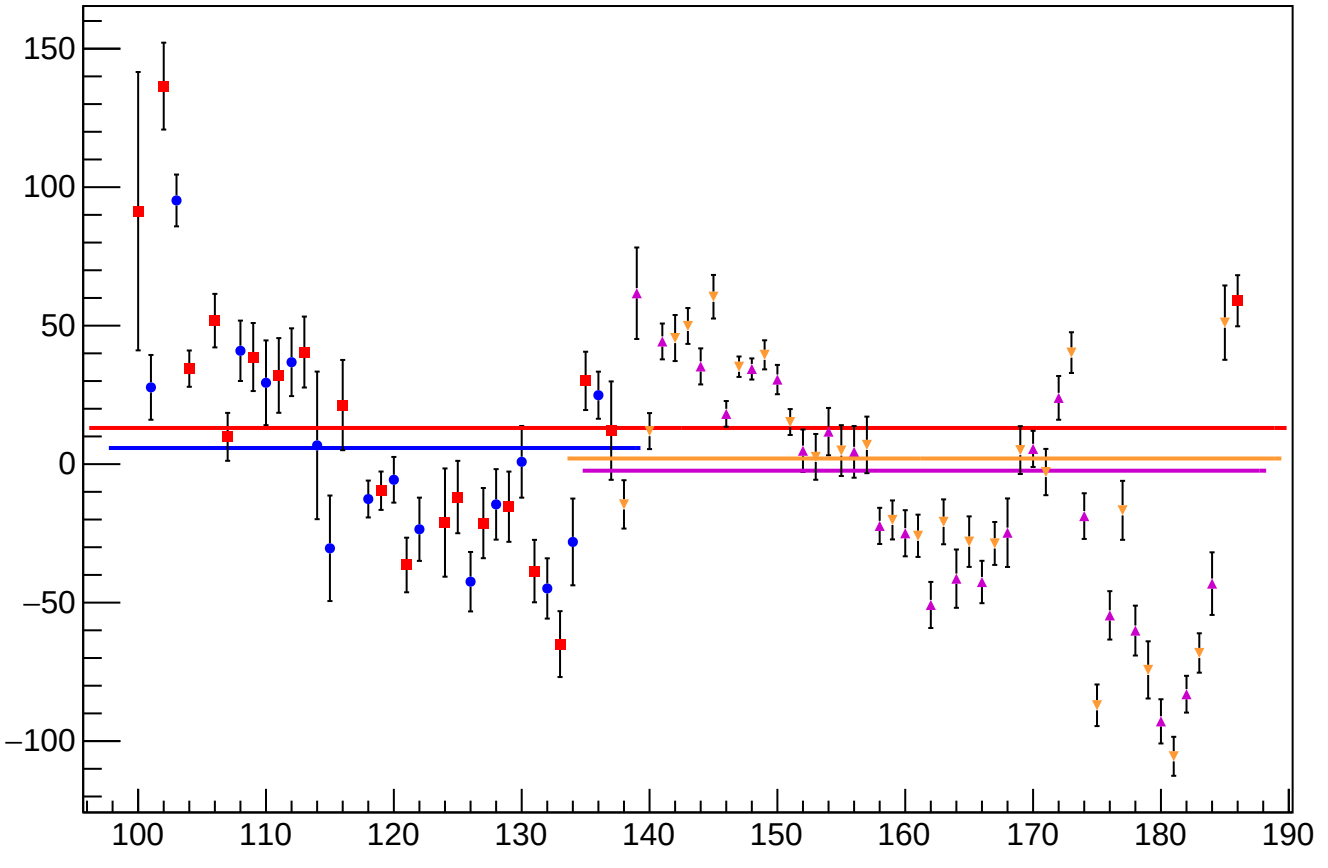
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -439.671+/-1.785 χ^2/NDF: 4053.2/35

In: -422.911+/-1.607 χ^2/NDF:3852.0/38

Out: -419.594+/-1.512 χ^2/NDF:5430.4/44

All: -421.150+/-1.101 χ^2/NDF: 9284.7/83



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

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

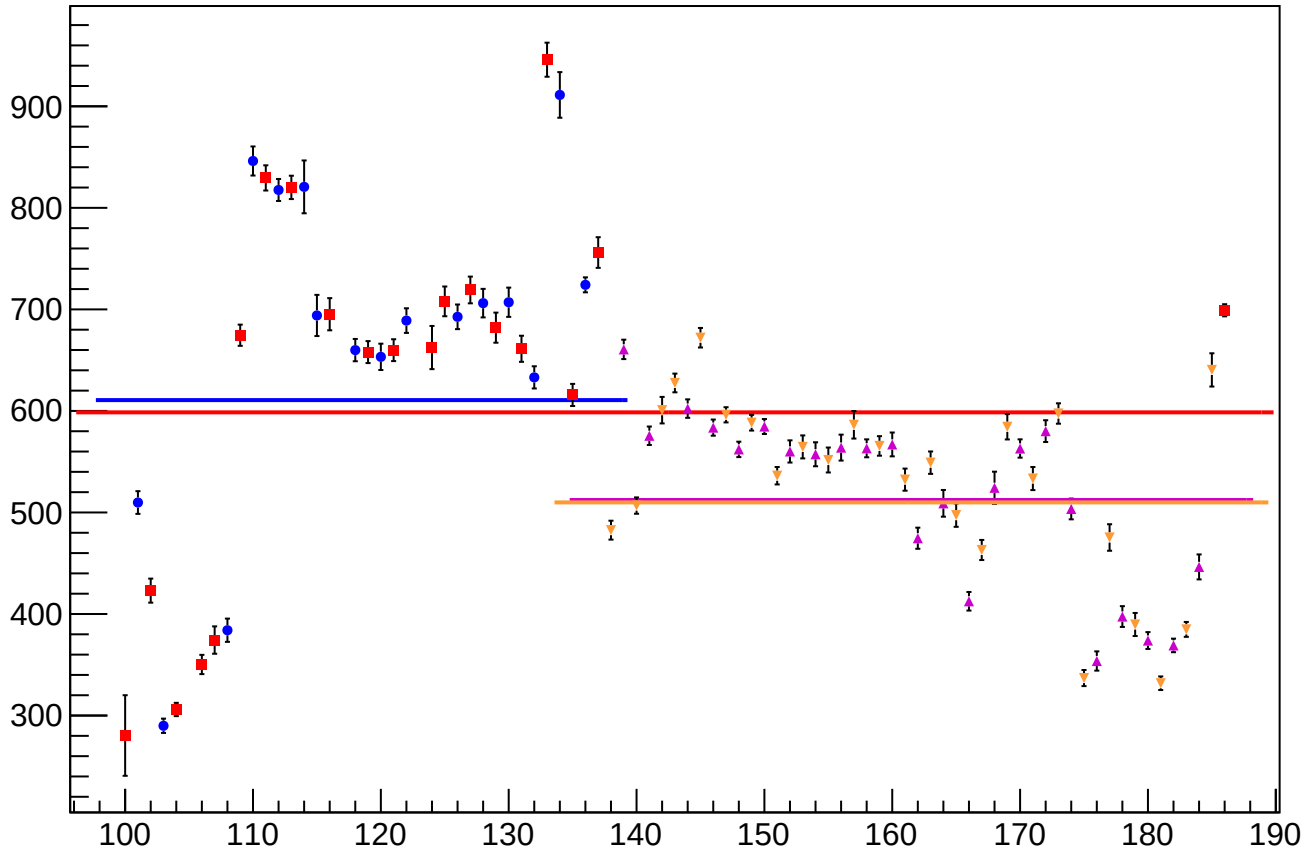
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 9.809+/-1.828 χ^2/NDF: 440.8/35

In: -0.498+/-1.303 χ^2/NDF:928.5/38

Out: 4.801+/-1.234 χ^2/NDF:1174.5/44

All: 2.294+/-0.896 χ^2/NDF: 2111.7/83



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 598.600+/-2.502 χ^2/NDF: 5144.0/19

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

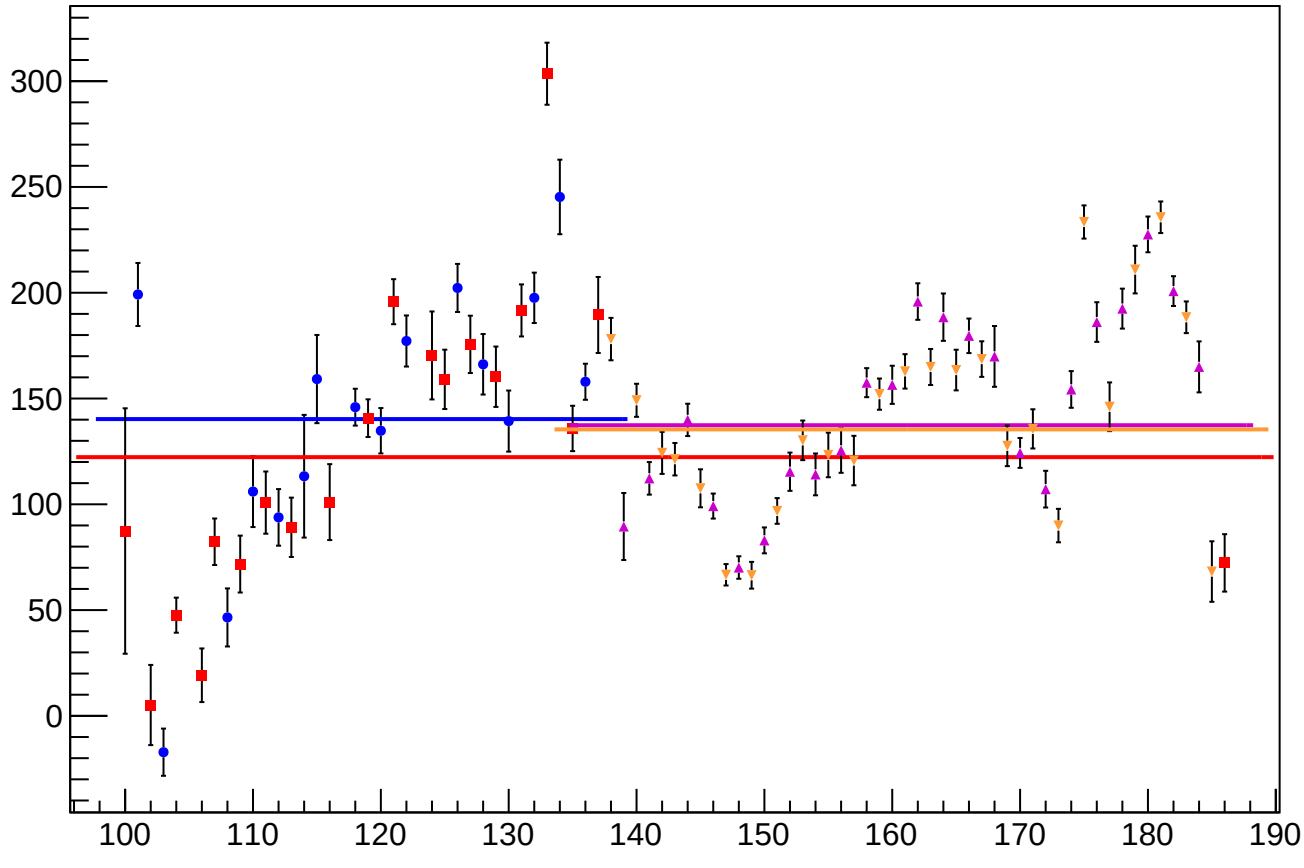
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 603.763+/-1.892 χ^2/NDF: 9046.5/35

In: 543.751+/-1.636 χ^2/NDF:6767.3/38

Out: 543.124+/-1.531 χ^2/NDF:8592.7/44

All: 543.417+/-1.118 χ^2/NDF: 15360.1/83



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

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

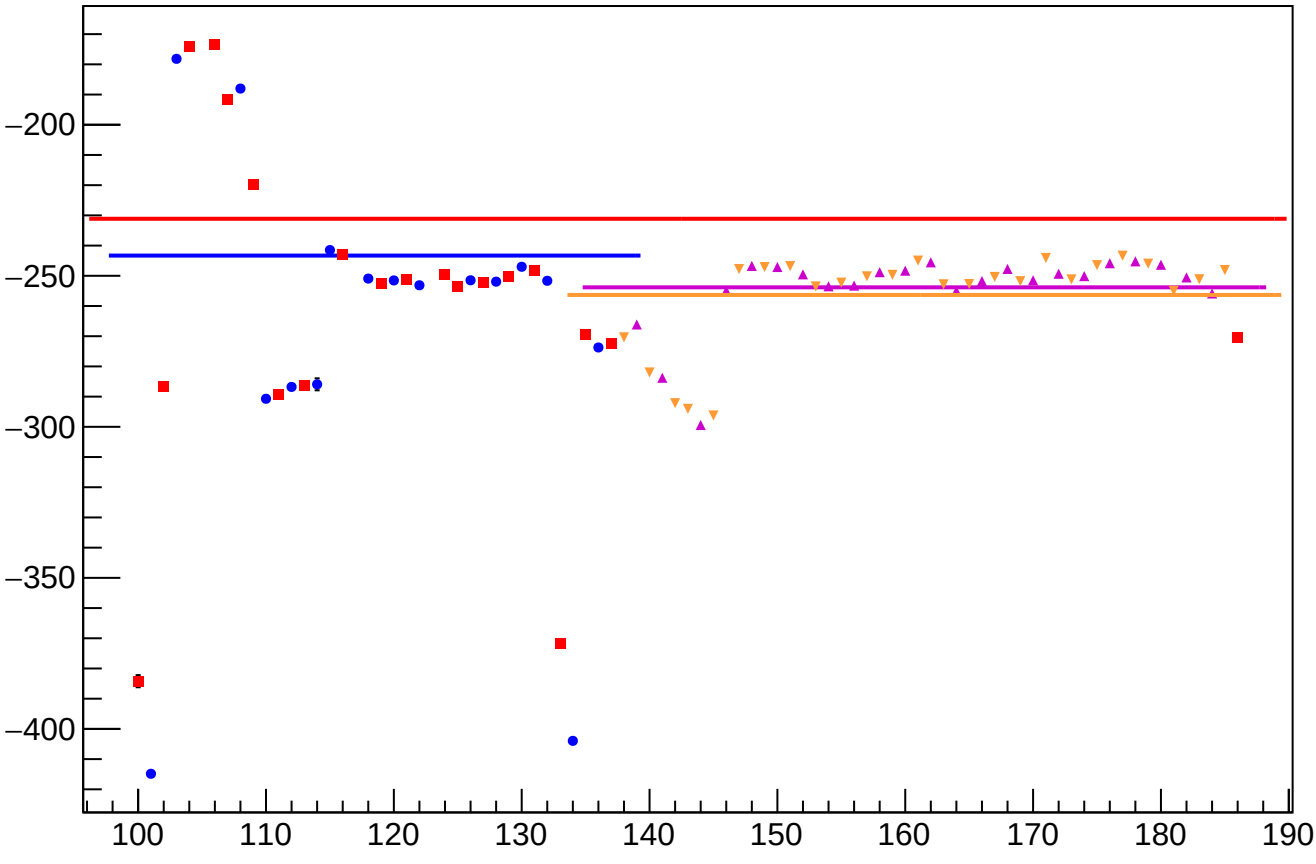
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 130.567+/-2.138 χ^2/NDF: 925.7/35

In: 138.030+/-1.498 χ^2/NDF:1092.0/38

Out: 132.218+/-1.434 χ^2/NDF:1461.3/44

All: 134.999+/-1.036 χ^2/NDF: 2561.1/83



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

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

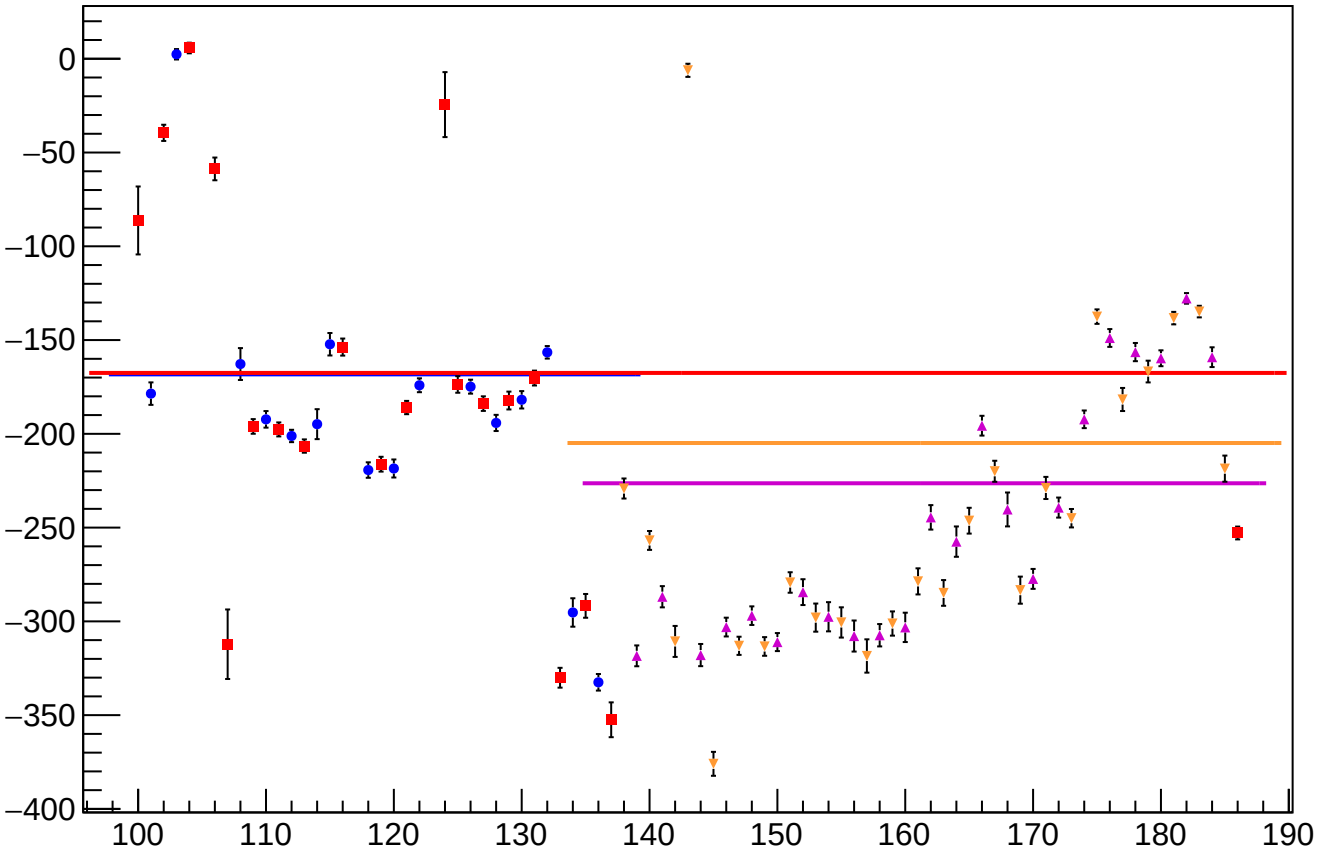
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -236.942+/-0.112 χ^2/NDF: 280526.5/35

In: -251.856+/-0.070 χ^2/NDF:200966.2/38

Out: -251.371+/-0.069 χ^2/NDF:164767.4/44

All: -251.610+/-0.049 χ^2/NDF: 365758.0/83



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

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

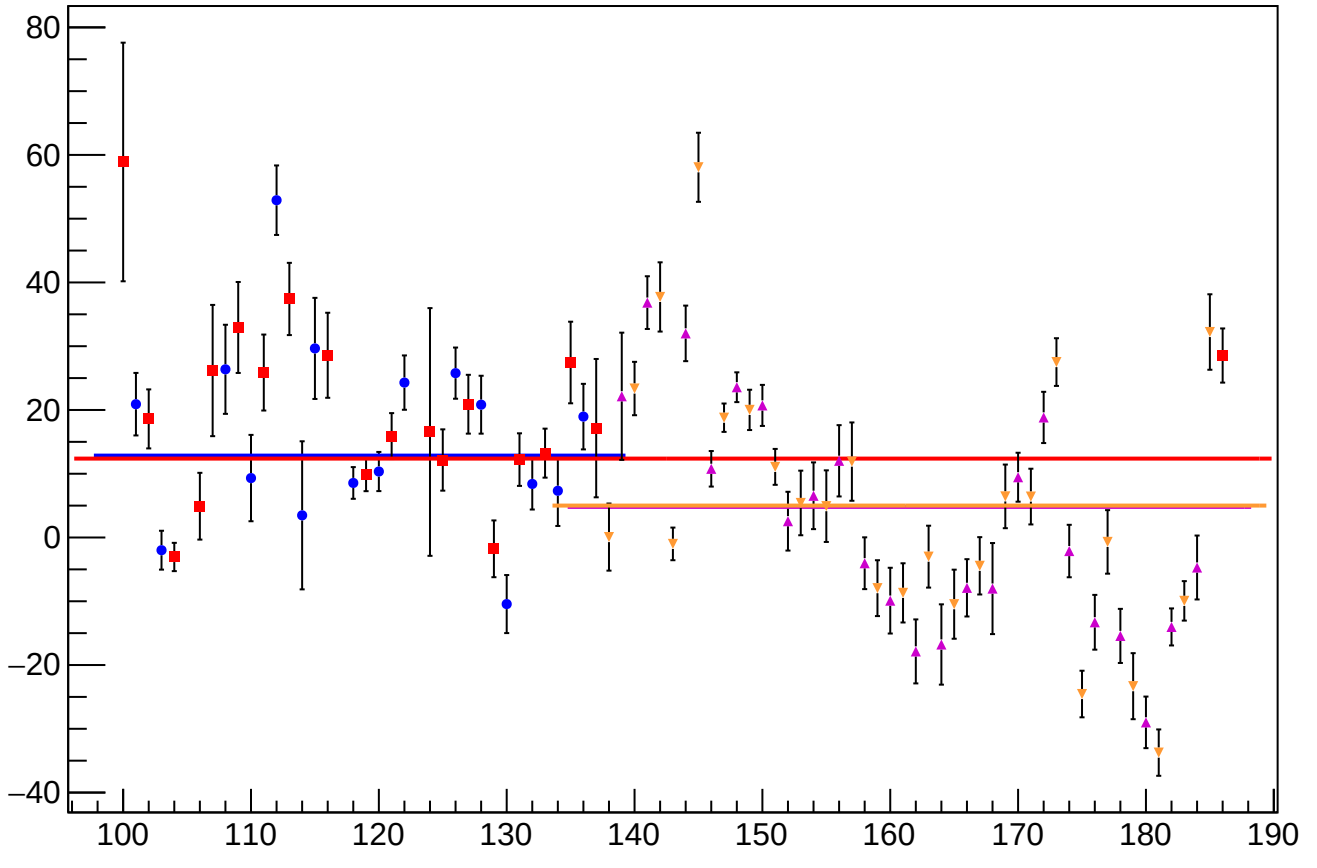
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -167.879+/-0.731 χ^2/NDF: 13785.9/35

In: -196.550+/-0.771 χ^2/NDF:11544.7/38

Out: -185.208+/-0.724 χ^2/NDF:16369.0/44

All: -190.522+/-0.528 χ^2/NDF: 28028.8/83



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

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

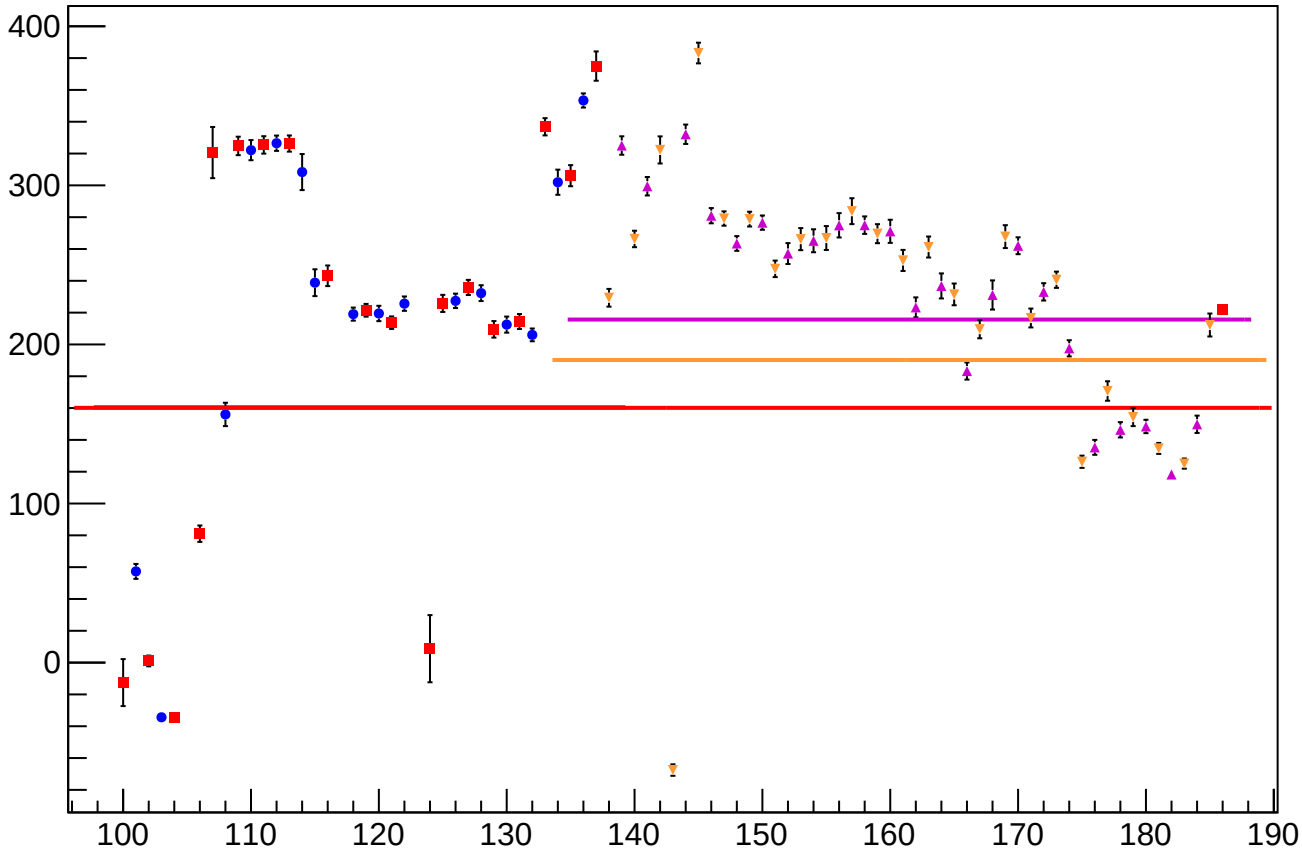
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 12.592+/-0.735 χ^2/NDF: 278.7/35

In: 7.872+/-0.665 χ^2/NDF:604.5/38

Out: 7.831+/-0.623 χ^2/NDF:716.5/44

All: 7.850+/-0.455 χ^2/NDF: 1321.0/83



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

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

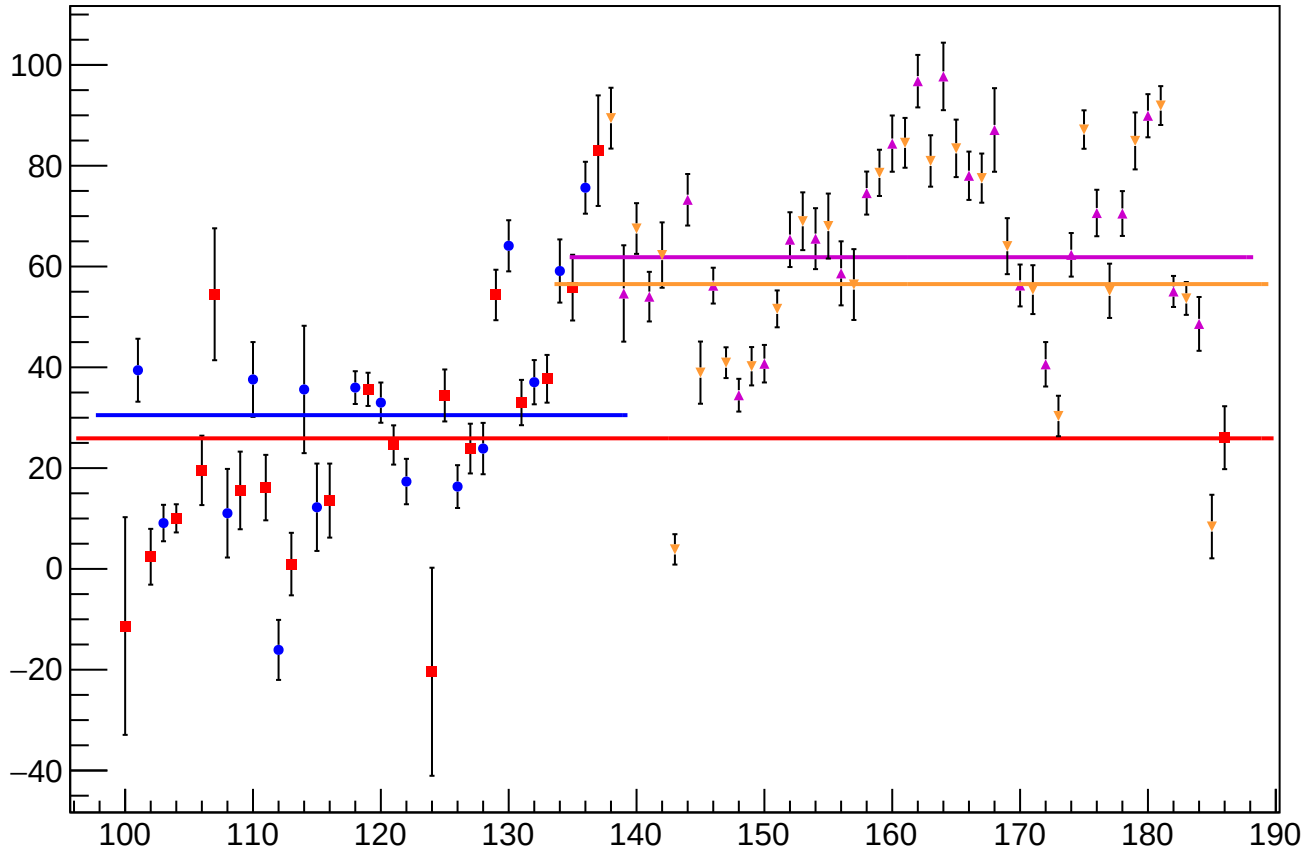
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 160.262+/-0.762 χ^2/NDF: 30813.1/35

In: 189.033+/-0.791 χ^2/NDF:19054.8/38

Out: 174.829+/-0.734 χ^2/NDF:26667.0/44

All: 181.402+/-0.538 χ^2/NDF: 45895.3/83



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

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

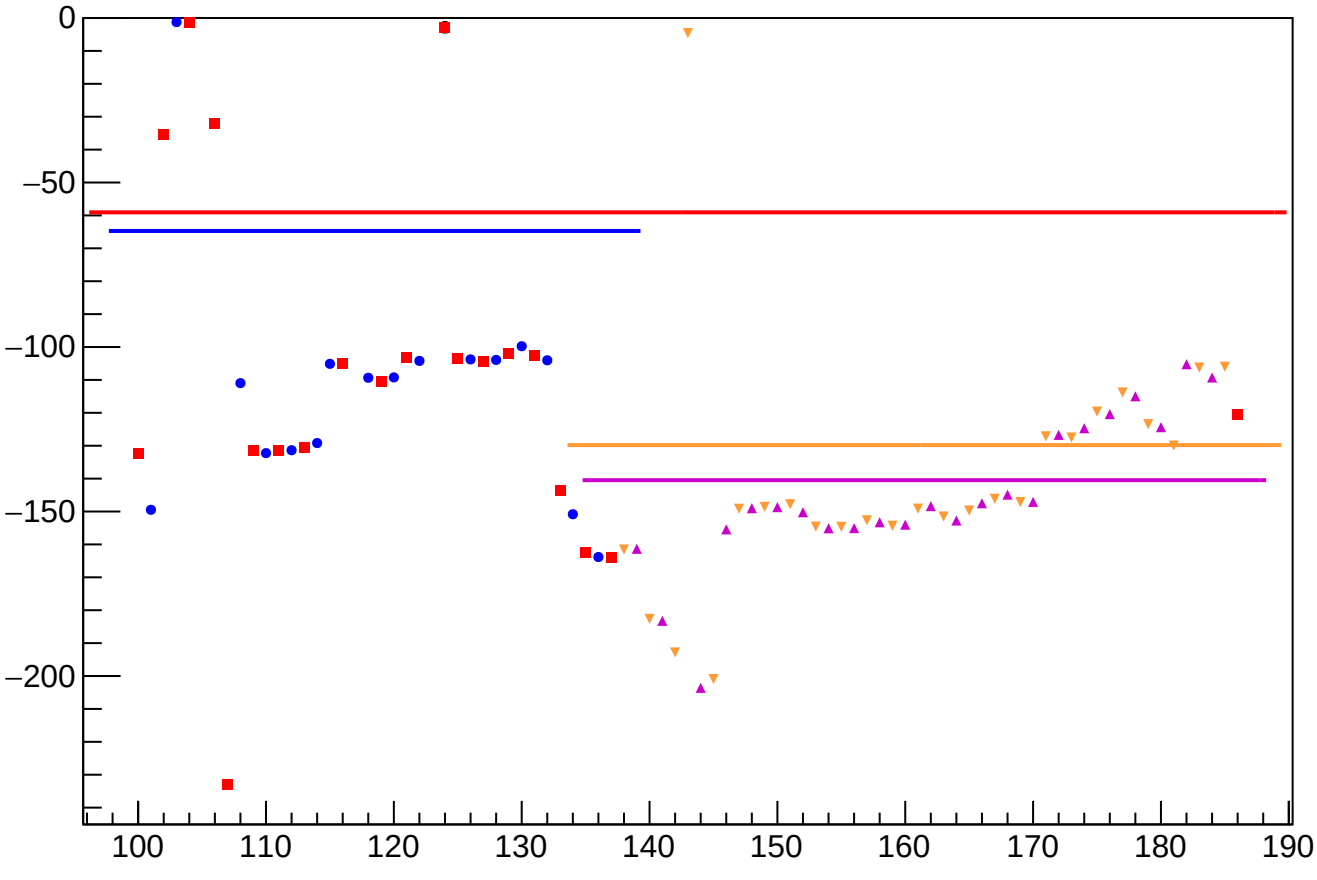
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 28.089+/-0.864 χ^2/NDF: 471.8/35

In: 50.254+/-0.763 χ^2/NDF:990.8/38

Out: 45.246+/-0.723 χ^2/NDF:1404.0/44

All: 47.613+/-0.525 χ^2/NDF: 2417.6/83



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

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

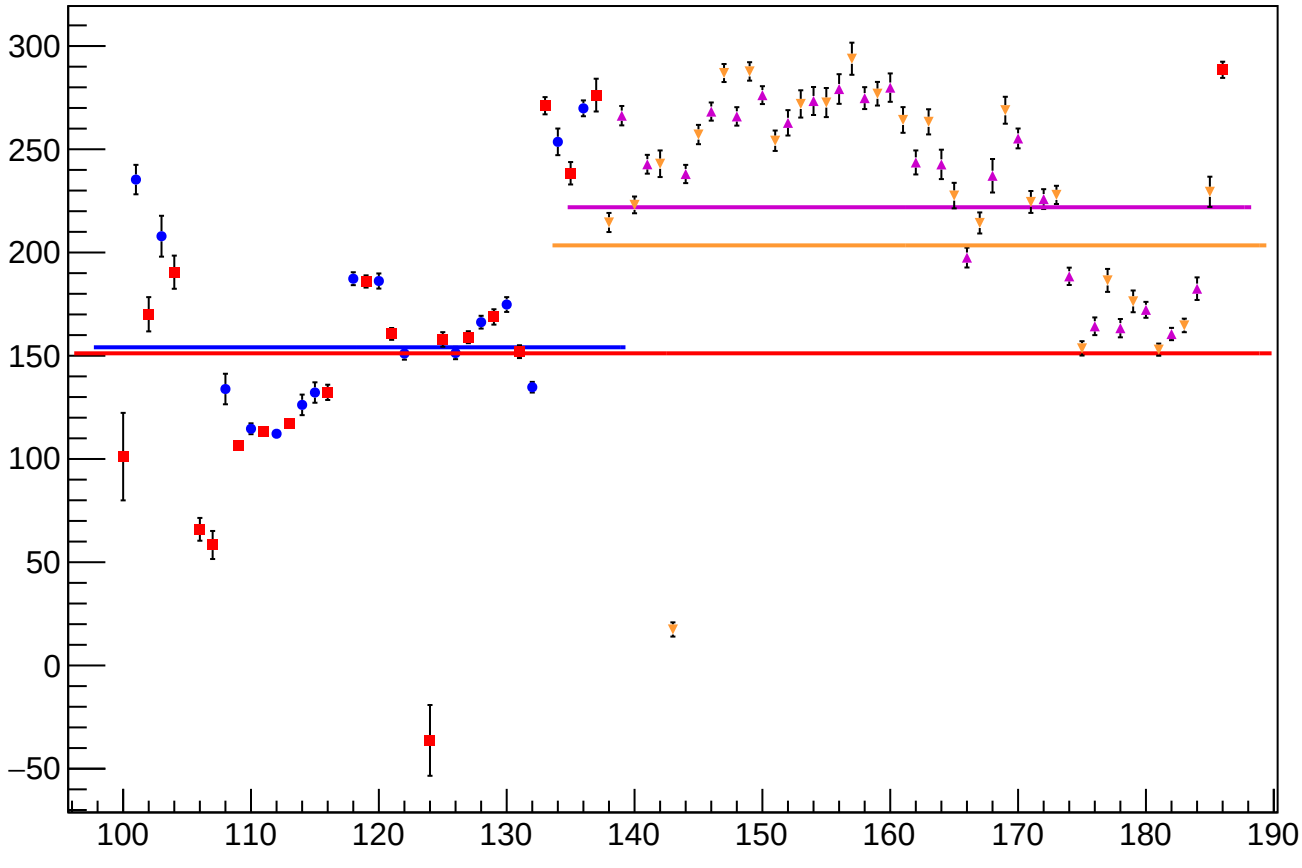
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -61.792+/-0.044 χ^2/NDF: 1943898.5/35

In: -116.307+/-0.036 χ^2/NDF:2259265.7/38

Out: -107.212+/-0.035 χ^2/NDF:2819801.0/44

All: -111.599+/-0.025 χ^2/NDF: 5112040.2/83



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

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

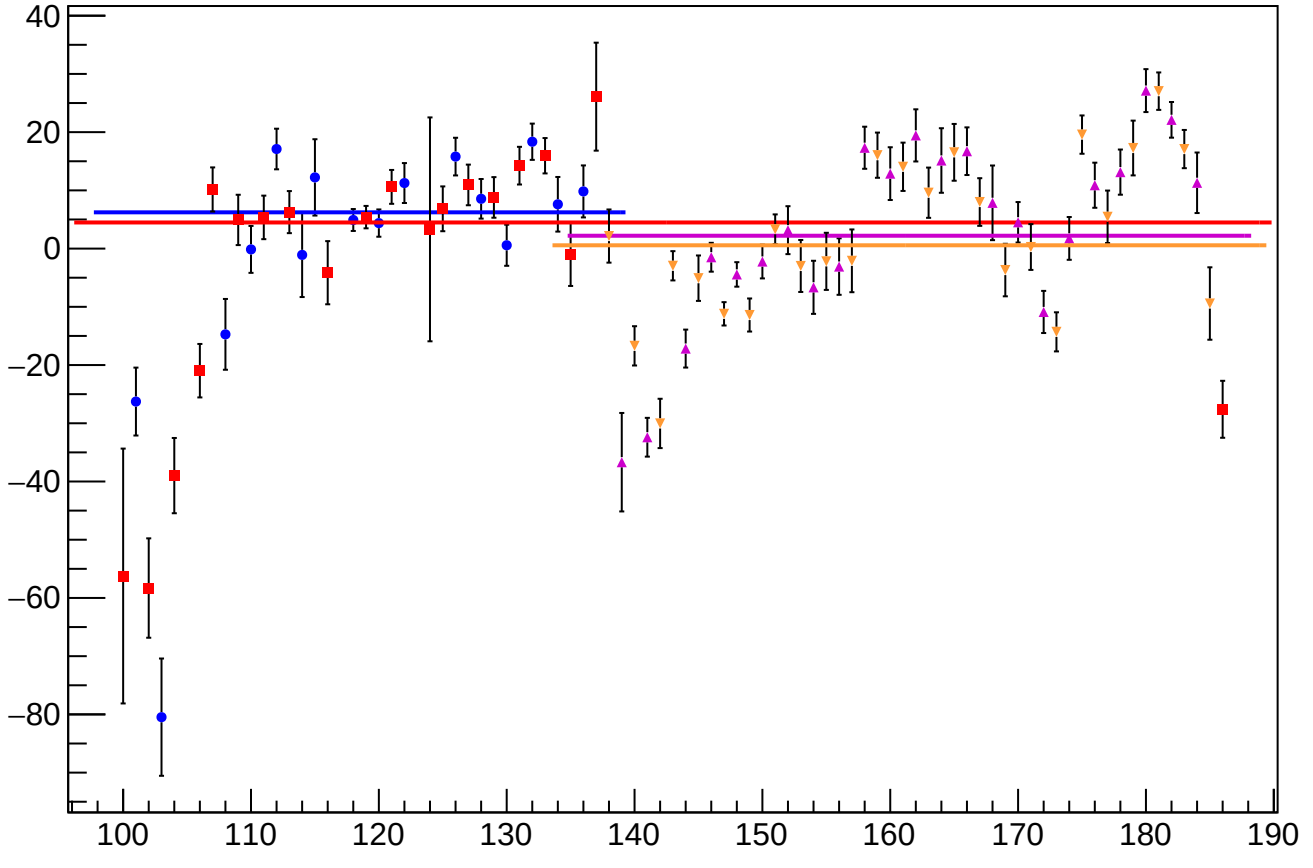
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 152.530+/-0.592 χ^2/NDF: 6526.0/35

In: 183.186+/-0.657 χ^2/NDF:6880.0/38

Out: 173.048+/-0.616 χ^2/NDF:11480.5/44

All: 177.796+/-0.449 χ^2/NDF: 18487.2/83



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

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

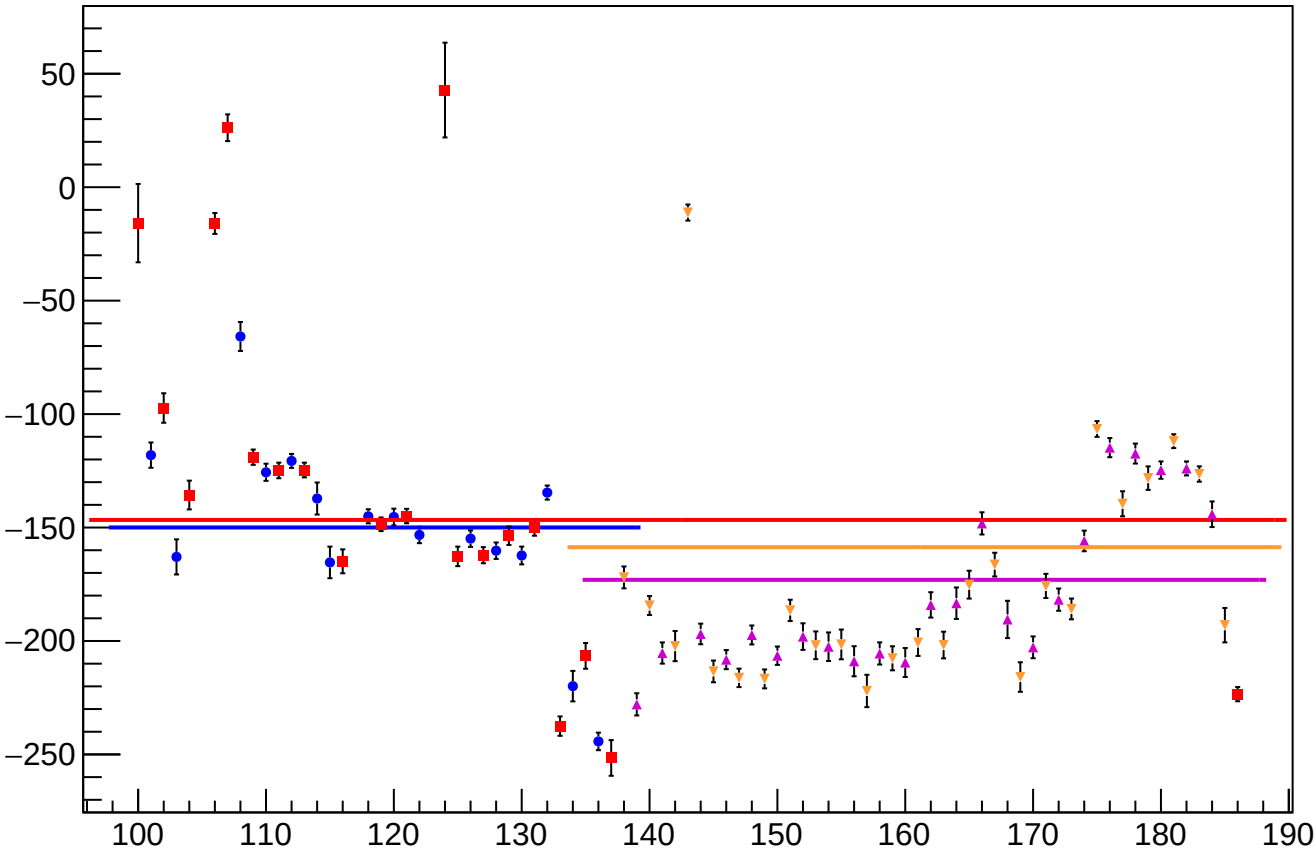
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 5.343+/-0.624 χ^2/NDF: 389.6/35

In: 3.905+/-0.578 χ^2/NDF:532.0/38

Out: 2.139+/-0.554 χ^2/NDF:583.0/44

All: 2.984+/-0.400 χ^2/NDF: 1119.9/83



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

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

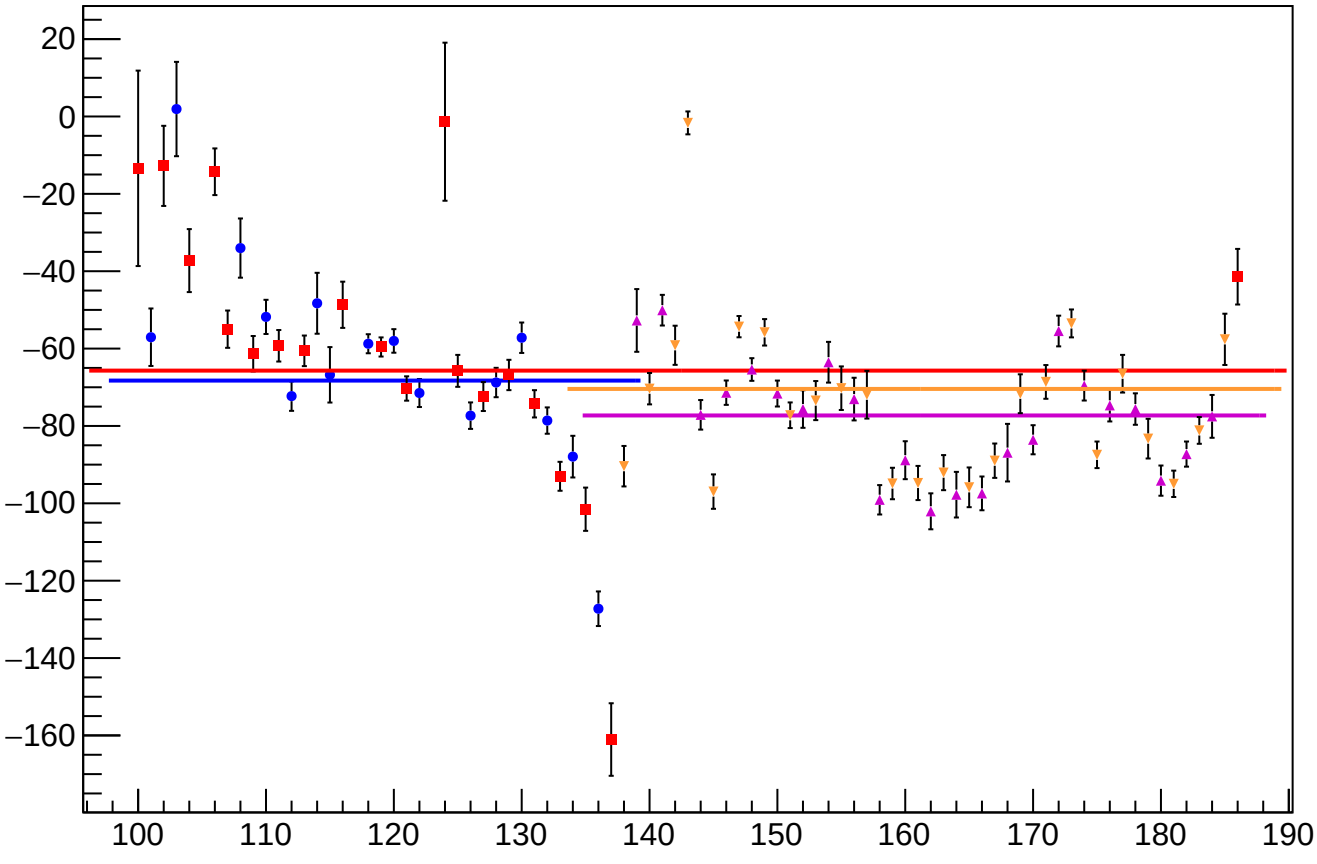
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -148.175+/-0.696 χ^2/NDF: 4518.4/35

In: -161.850+/-0.714 χ^2/NDF:2760.0/38

Out: -152.629+/-0.671 χ^2/NDF:6985.1/44

All: -156.950+/-0.489 χ^2/NDF: 9833.6/83



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

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

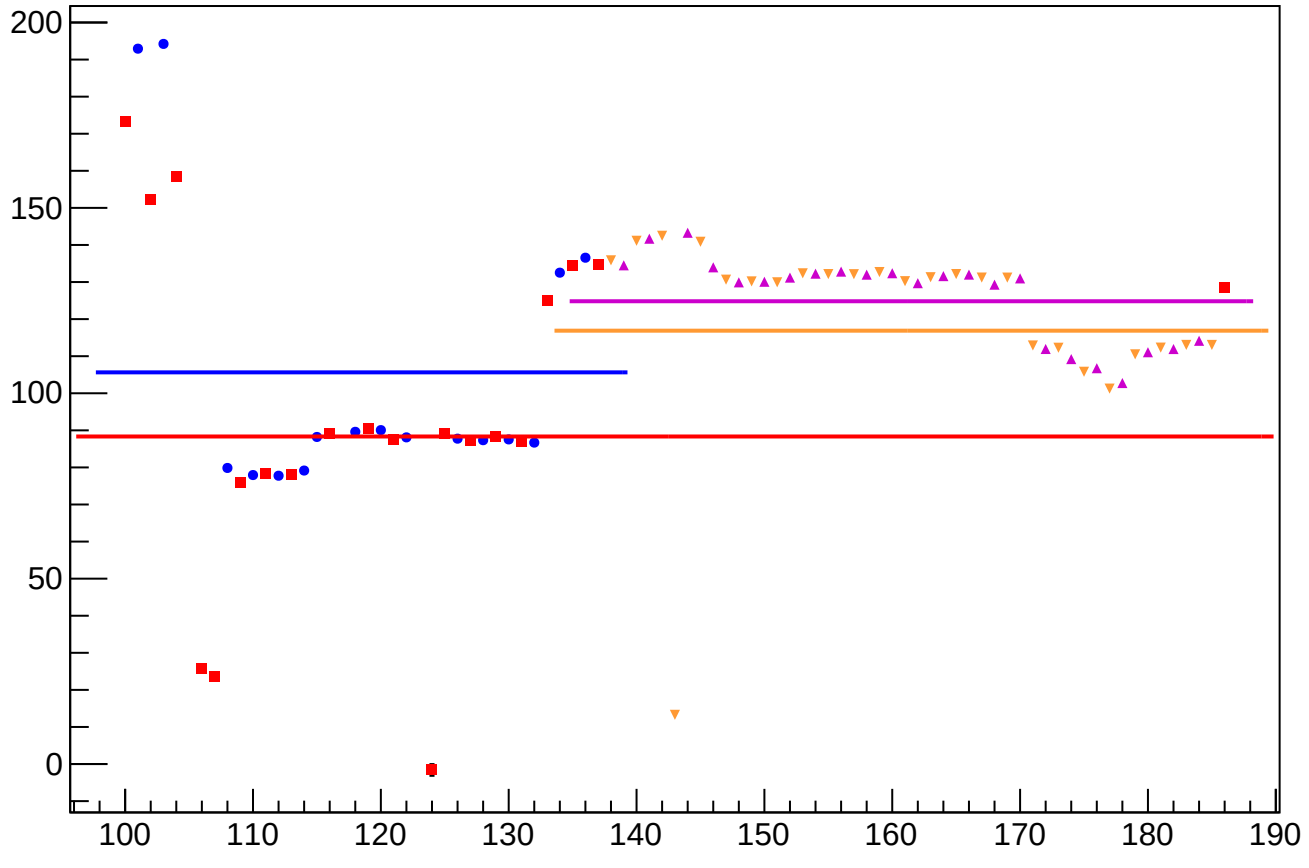
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -66.958+/-0.724 χ^2/NDF: 688.5/35

In: -73.569+/-0.664 χ^2/NDF:614.4/38

Out: -68.551+/-0.638 χ^2/NDF:1284.8/44

All: -70.962+/-0.460 χ^2/NDF: 1928.9/83



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

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

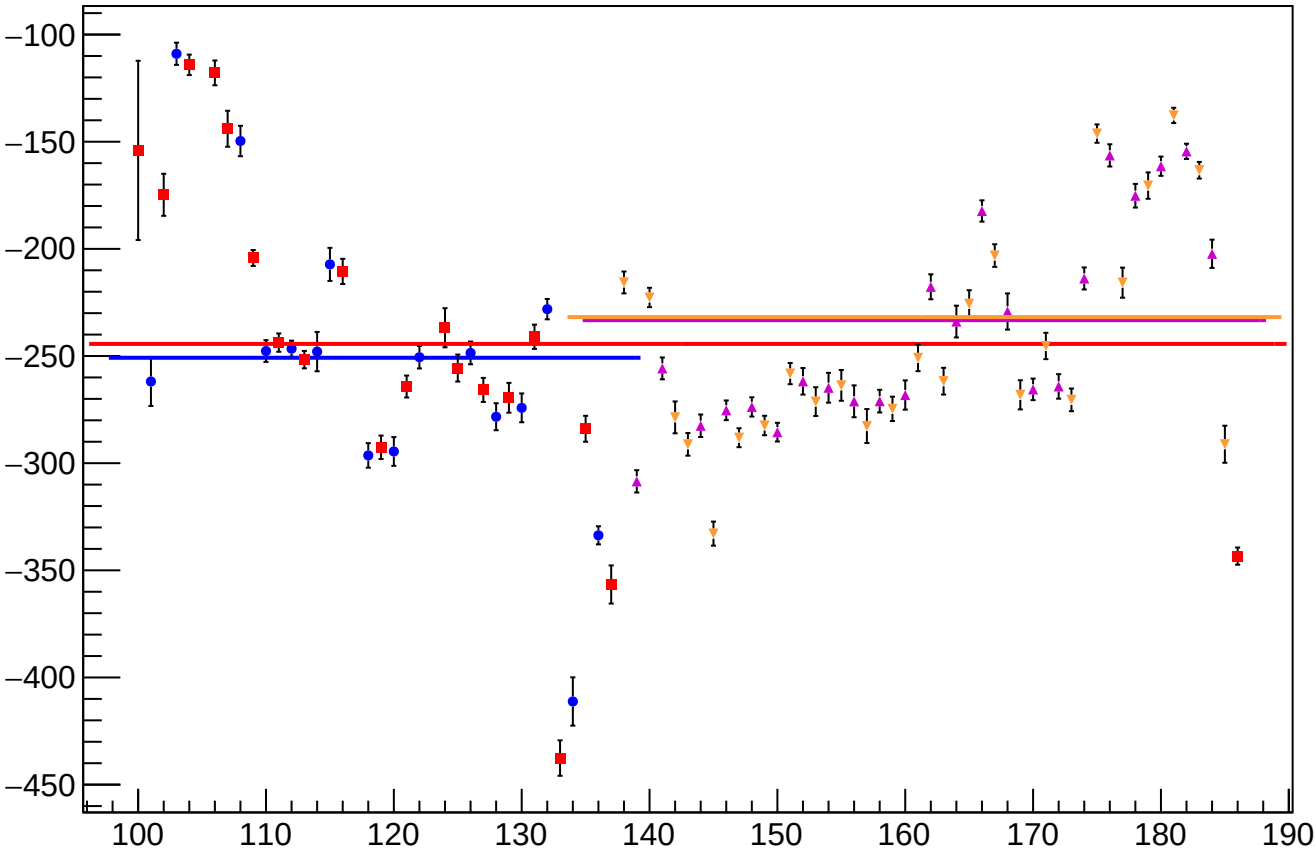
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 96.261+/-0.048 χ^2/NDF: 652744.6/35

In: 120.300+/-0.034 χ^2/NDF:383770.0/38

Out: 109.598+/-0.033 χ^2/NDF:1147097.6/44

All: 114.710+/-0.024 χ^2/NDF: 1581466.8/83



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

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

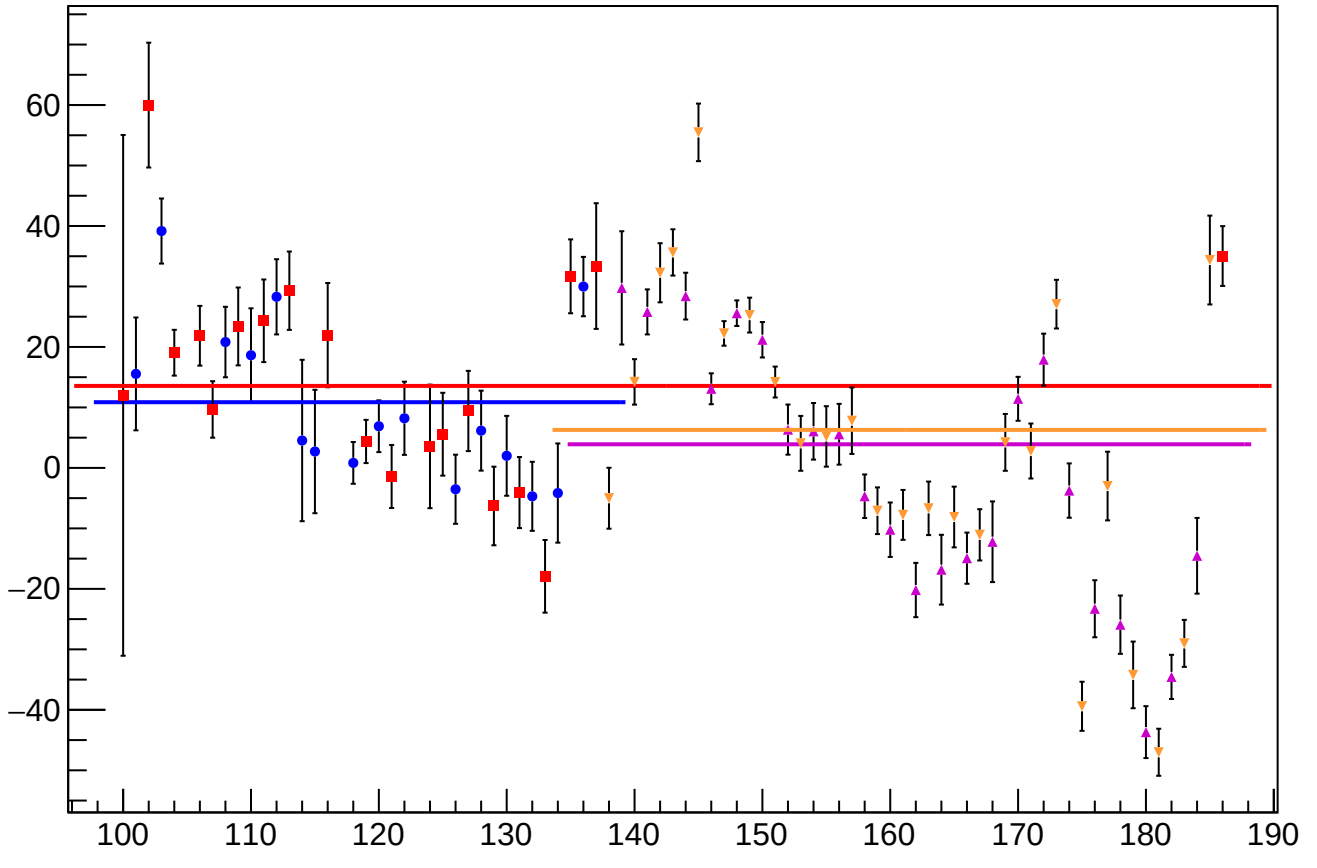
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -247.171+/-0.950 χ^2/NDF: 4803.4/35

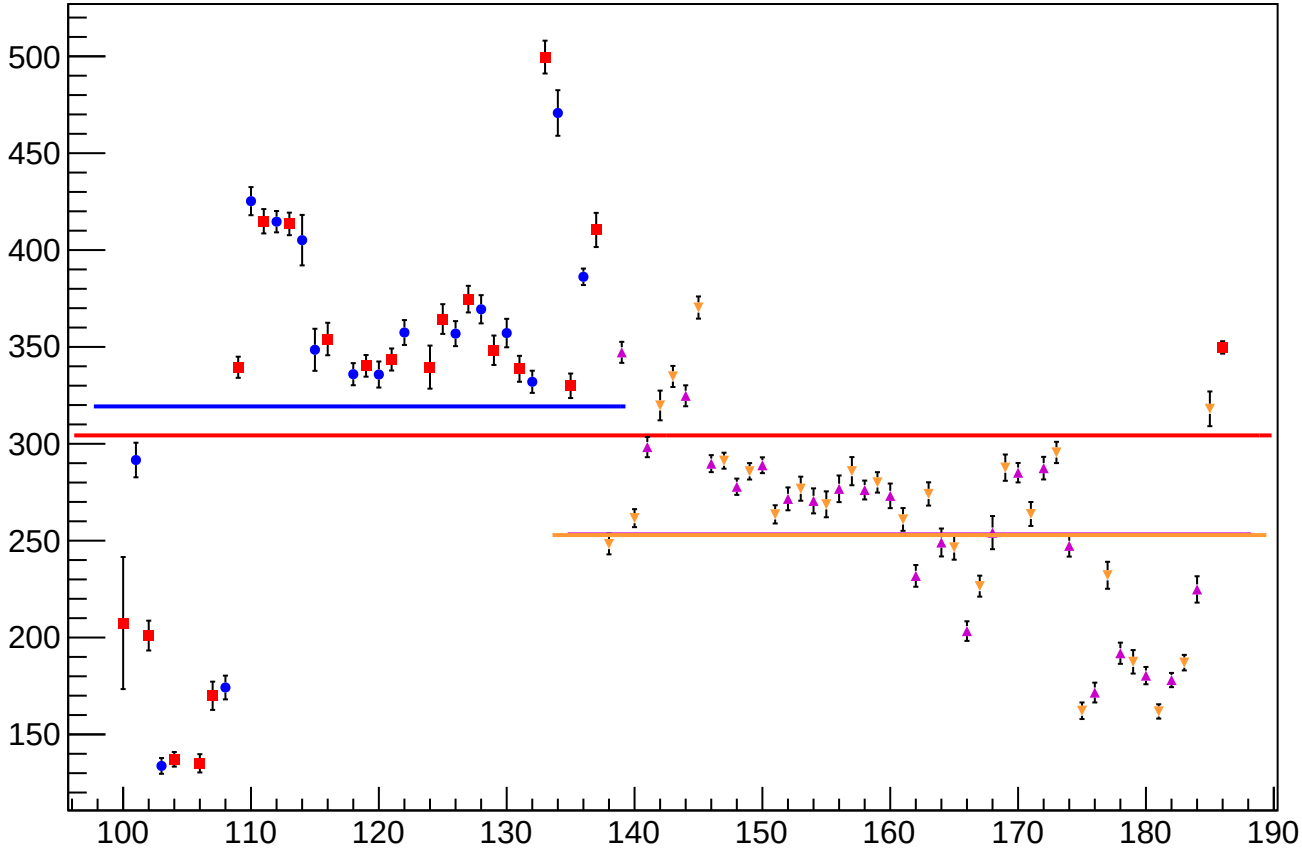
In: -239.793+/-0.878 χ^2/NDF:3896.2/38

Out: -237.120+/-0.821 χ^2/NDF:5789.5/44

All: -238.369+/-0.600 χ^2/NDF: 9690.6/83


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: 10.864+/-1.471 χ²/NDF: 84.7/15
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: 12.357+/-0.982 χ²/NDF: 218.8/35
In: 5.551+/-0.715 χ²/NDF:752.0/38
Out: 8.206+/-0.677 χ²/NDF:1026.1/44
All: 6.951+/-0.492 χ²/NDF: 1785.4/83

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 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

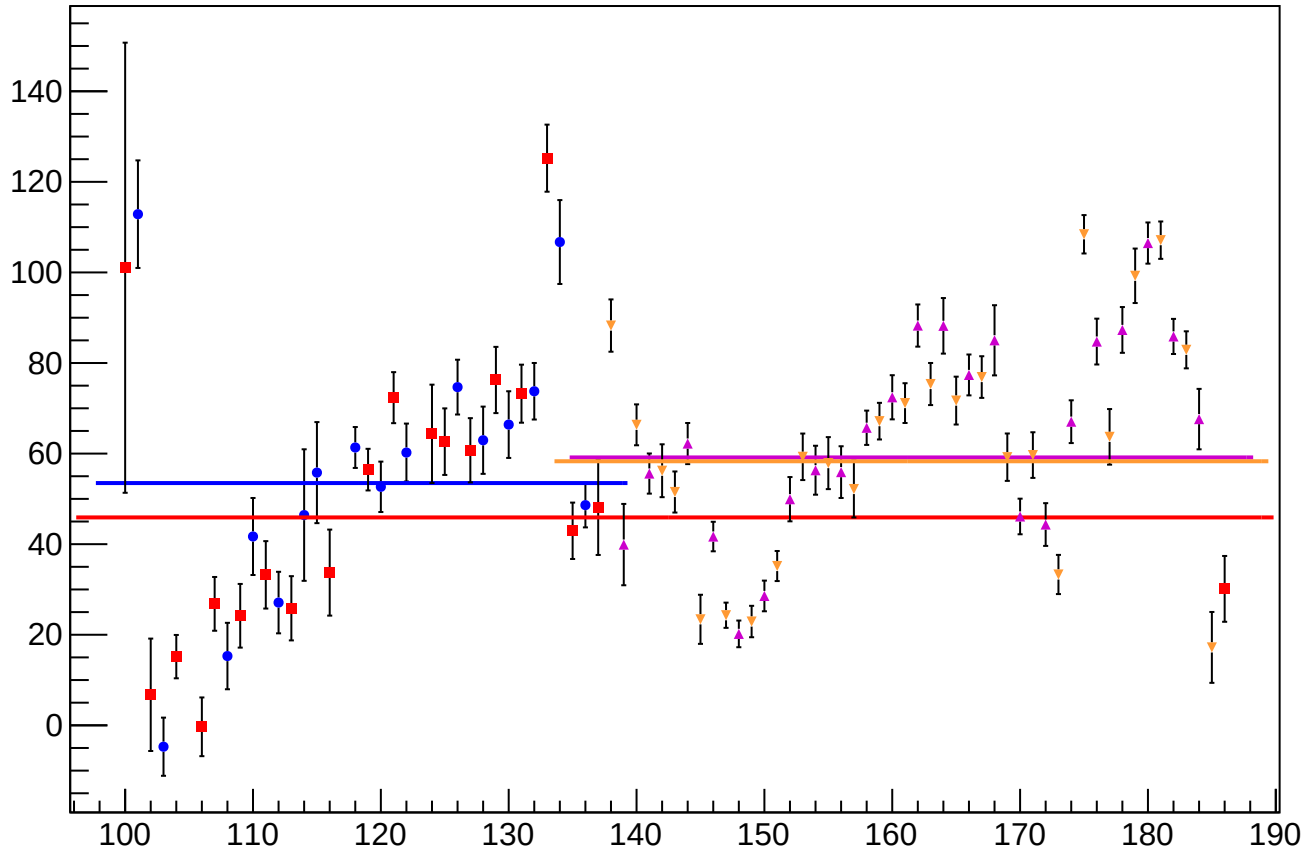
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 310.587+/-1.025 χ^2/NDF: 9593.5/35

In: 274.524+/-0.900 χ^2/NDF:7028.0/38

Out: 272.857+/-0.837 χ^2/NDF:9224.5/44

All: 273.630+/-0.613 χ^2/NDF: 16254.4/83



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 45.907+/-1.556 χ^2/NDF: 330.6/19

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

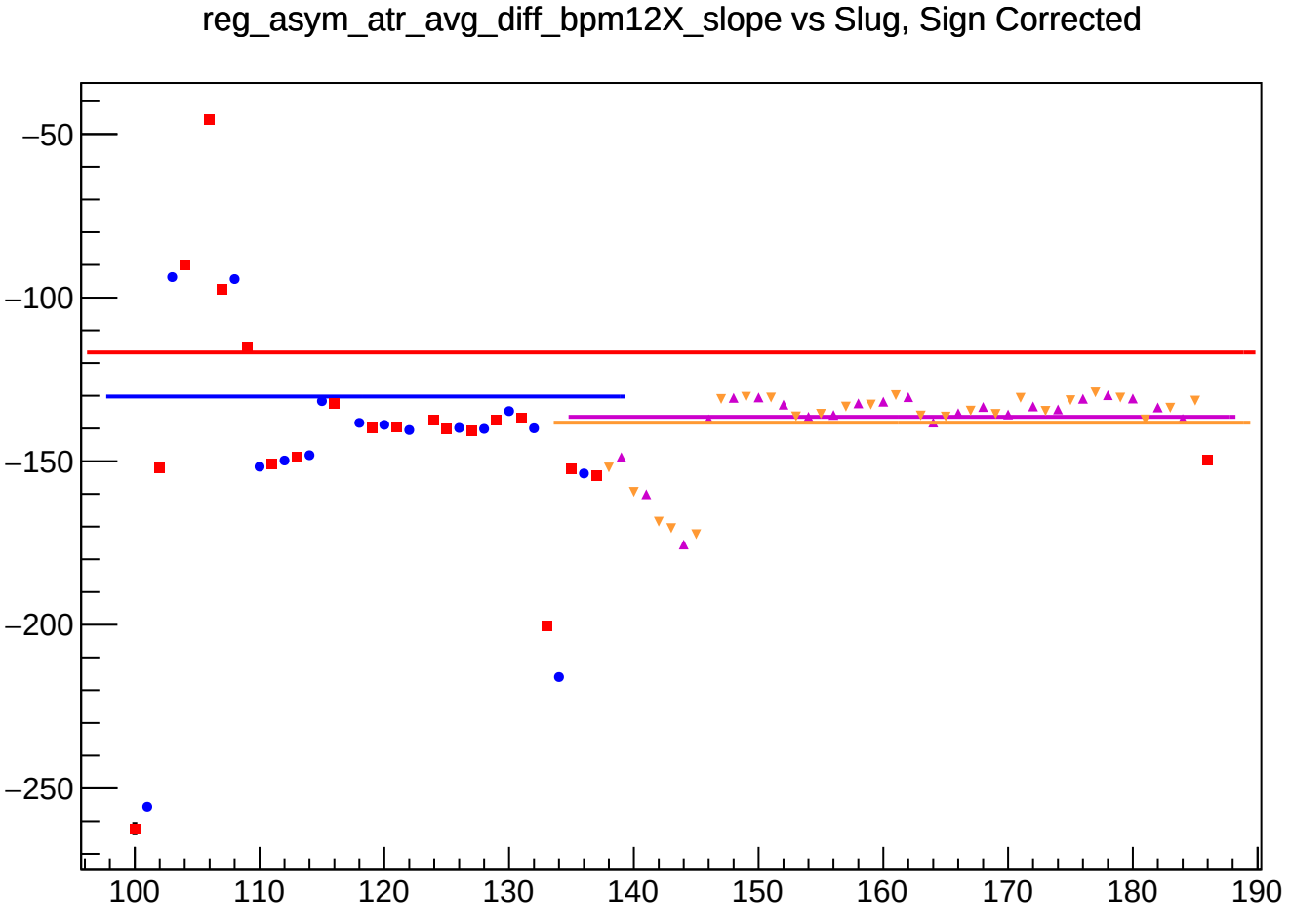
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

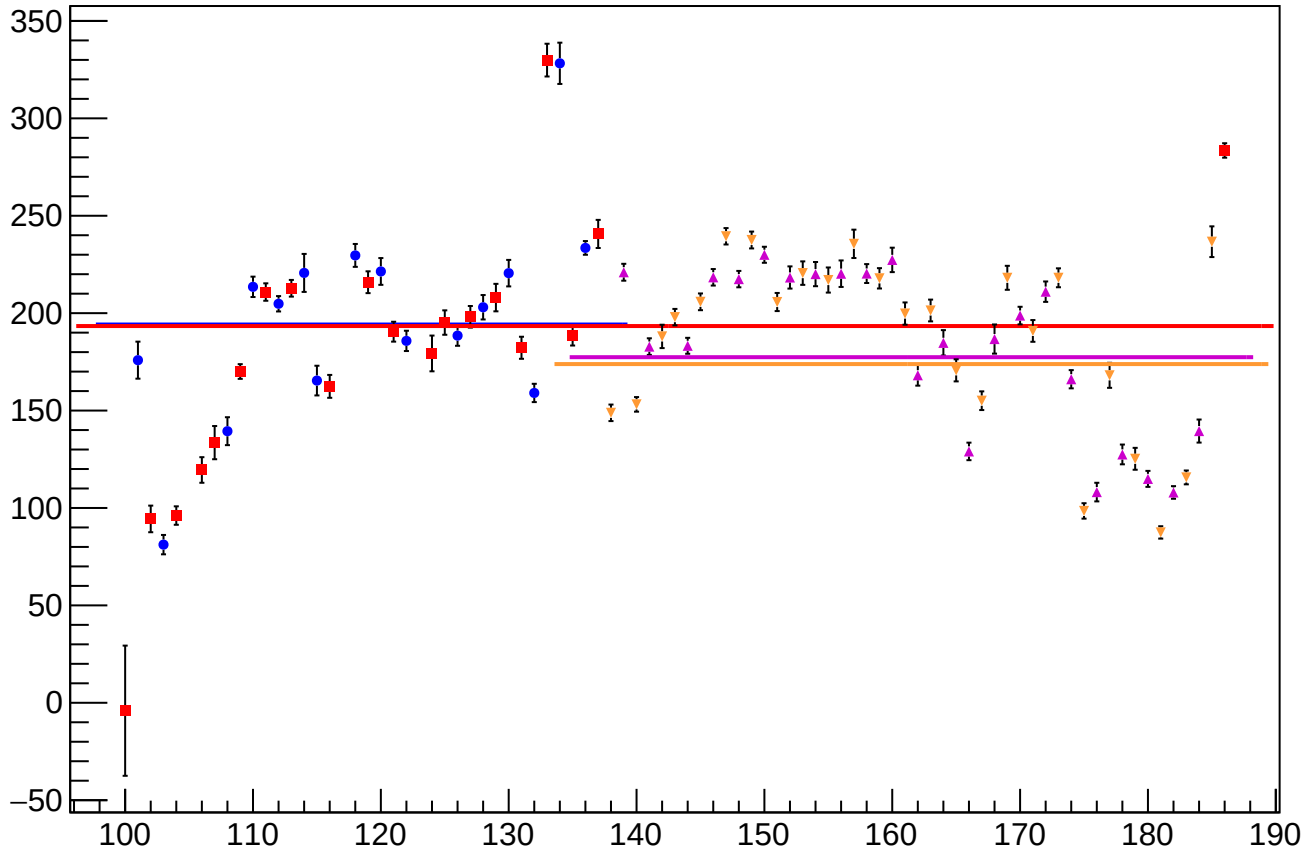
Right: 49.369+/-1.148 χ^2/NDF: 558.6/35

In: 57.829+/-0.821 χ^2/NDF:858.2/38

Out: 55.140+/-0.786 χ^2/NDF:1228.0/44

All: 56.426+/-0.568 χ^2/NDF: 2091.8/83


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -138.218+/-0.042 χ²/NDF:81828.6/24
Right Out: -116.749+/-0.085 χ²/NDF: 209953.1/19
Left In: -136.429+/-0.043 χ²/NDF:49792.9/22
Left: -137.331+/-0.030 χ²/NDF: 132499.5/47
Right: -122.995+/-0.062 χ²/NDF: 395936.1/35
In: -135.307+/-0.039 χ²/NDF:227786.3/38
Out: -133.891+/-0.038 χ²/NDF:343215.4/44
All: -134.584+/-0.027 χ²/NDF: 571682.5/83



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

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

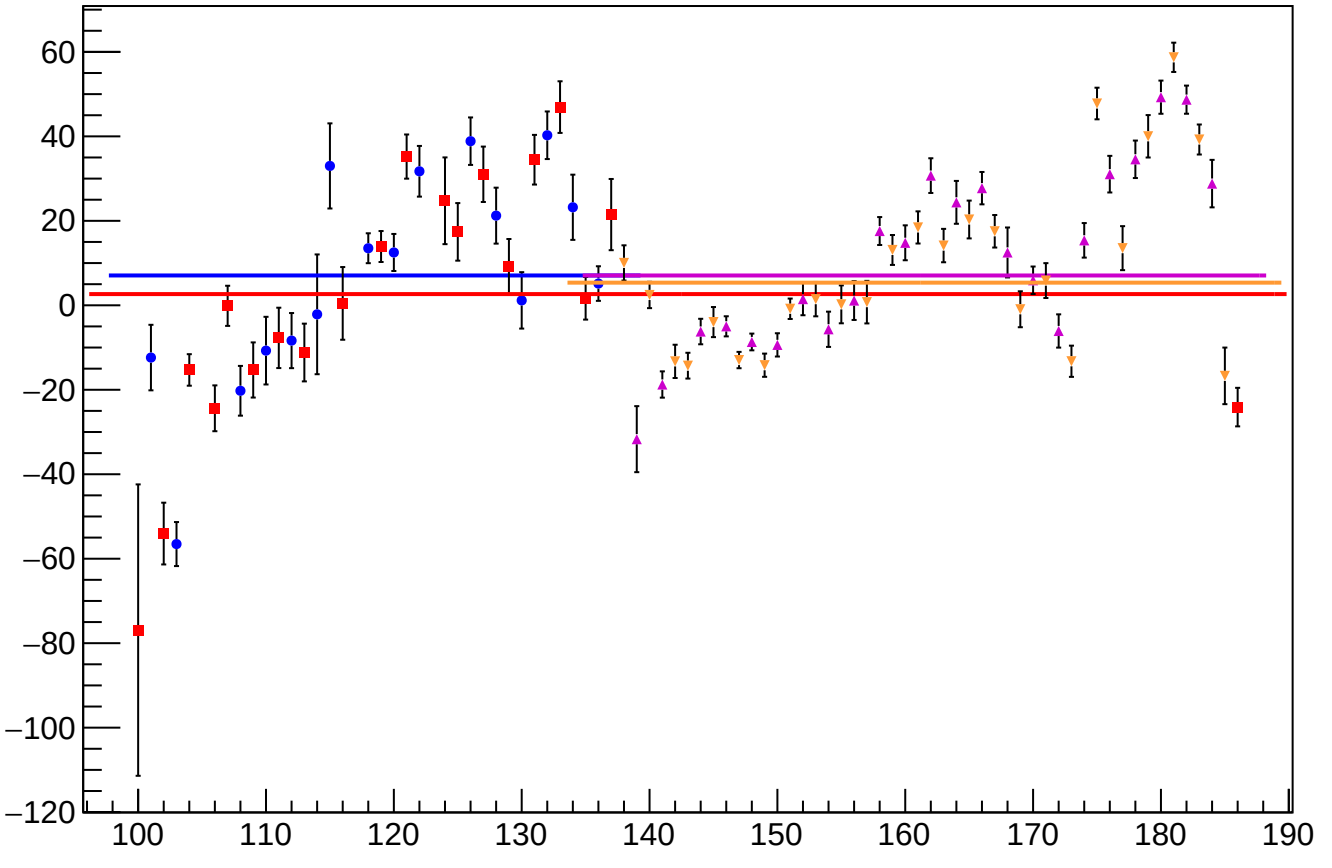
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 193.727+/-0.932 χ^2/NDF: 2906.3/35

In: 182.997+/-0.813 χ^2/NDF:3092.8/38

Out: 181.160+/-0.761 χ^2/NDF:4652.4/44

All: 182.019+/-0.556 χ^2/NDF: 7747.9/83



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

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

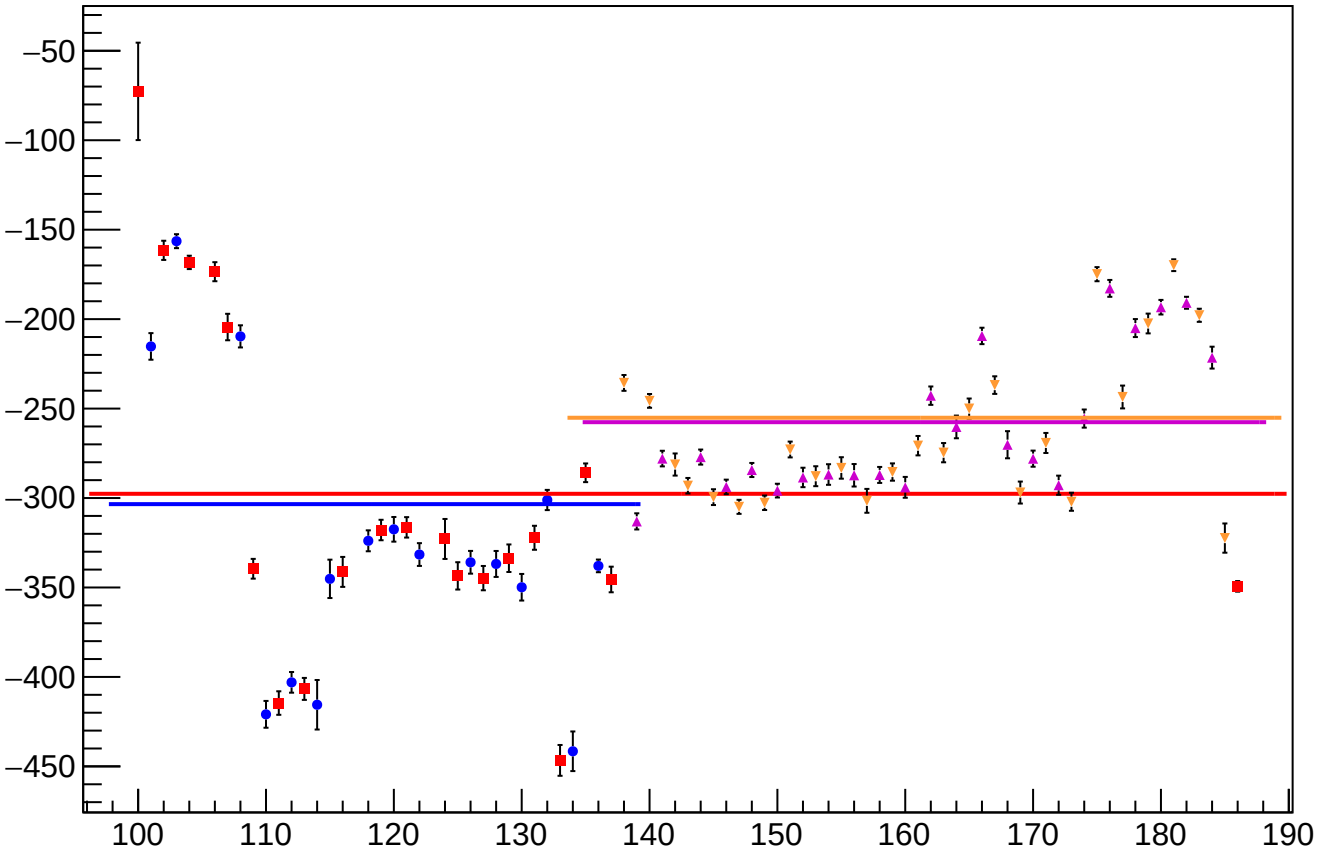
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: 4.630+/-0.965 χ^2/NDF: 623.7/35

In: 7.062+/-0.659 χ^2/NDF:1002.2/38

Out: 4.740+/-0.623 χ^2/NDF:1139.3/44

All: 5.835+/-0.453 χ^2/NDF: 2148.0/83



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

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

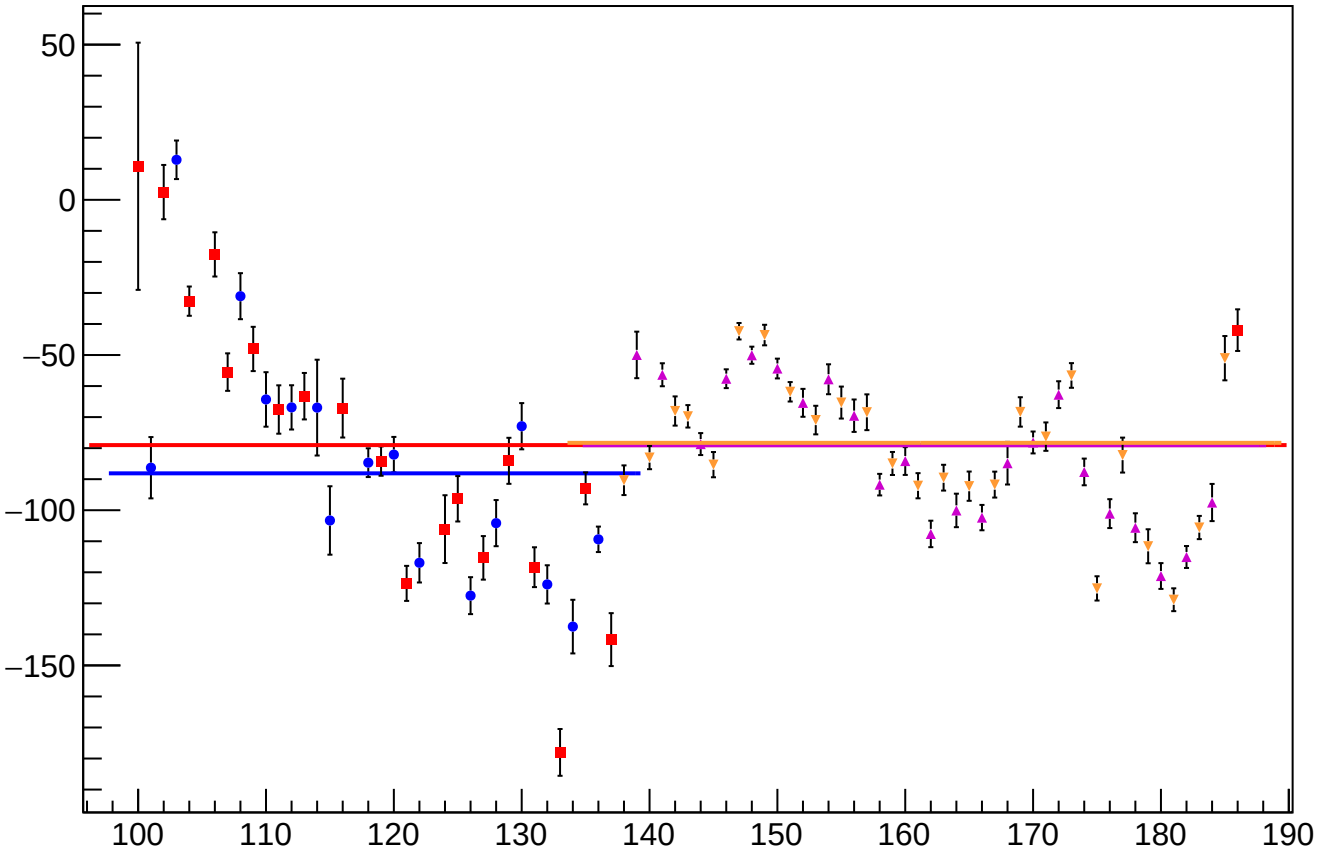
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -300.059+/-0.992 χ^2/NDF: 6929.5/35

In: -271.020+/-0.828 χ^2/NDF:5227.4/38

Out: -270.014+/-0.771 χ^2/NDF:7172.8/44

All: -270.481+/-0.564 χ^2/NDF: 12401.0/83



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

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

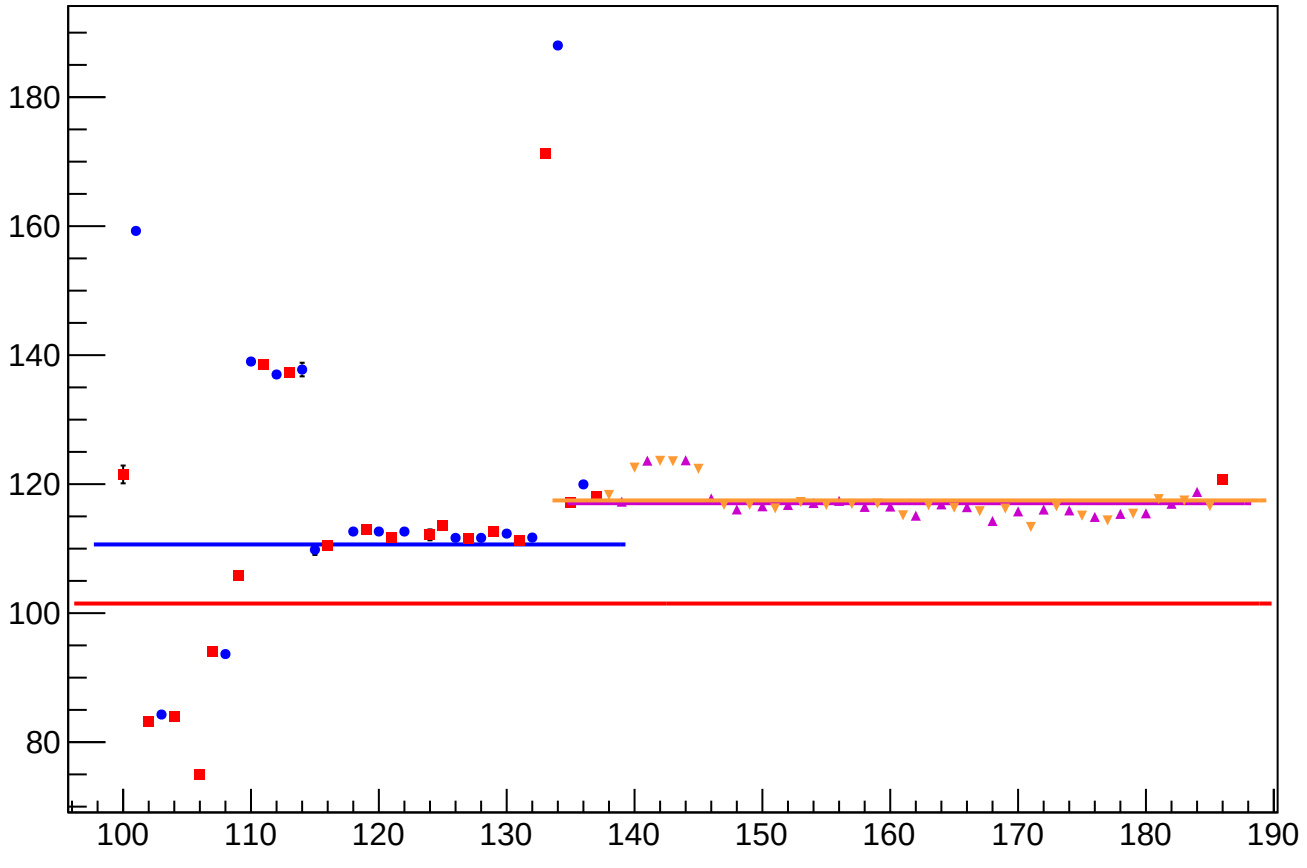
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -83.206+/-1.123 χ^2/NDF: 1237.9/35

In: -80.952+/-0.755 χ^2/NDF:1238.3/38

Out: -78.455+/-0.722 χ^2/NDF:1578.0/44

All: -79.646+/-0.522 χ^2/NDF: 2822.0/83



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

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

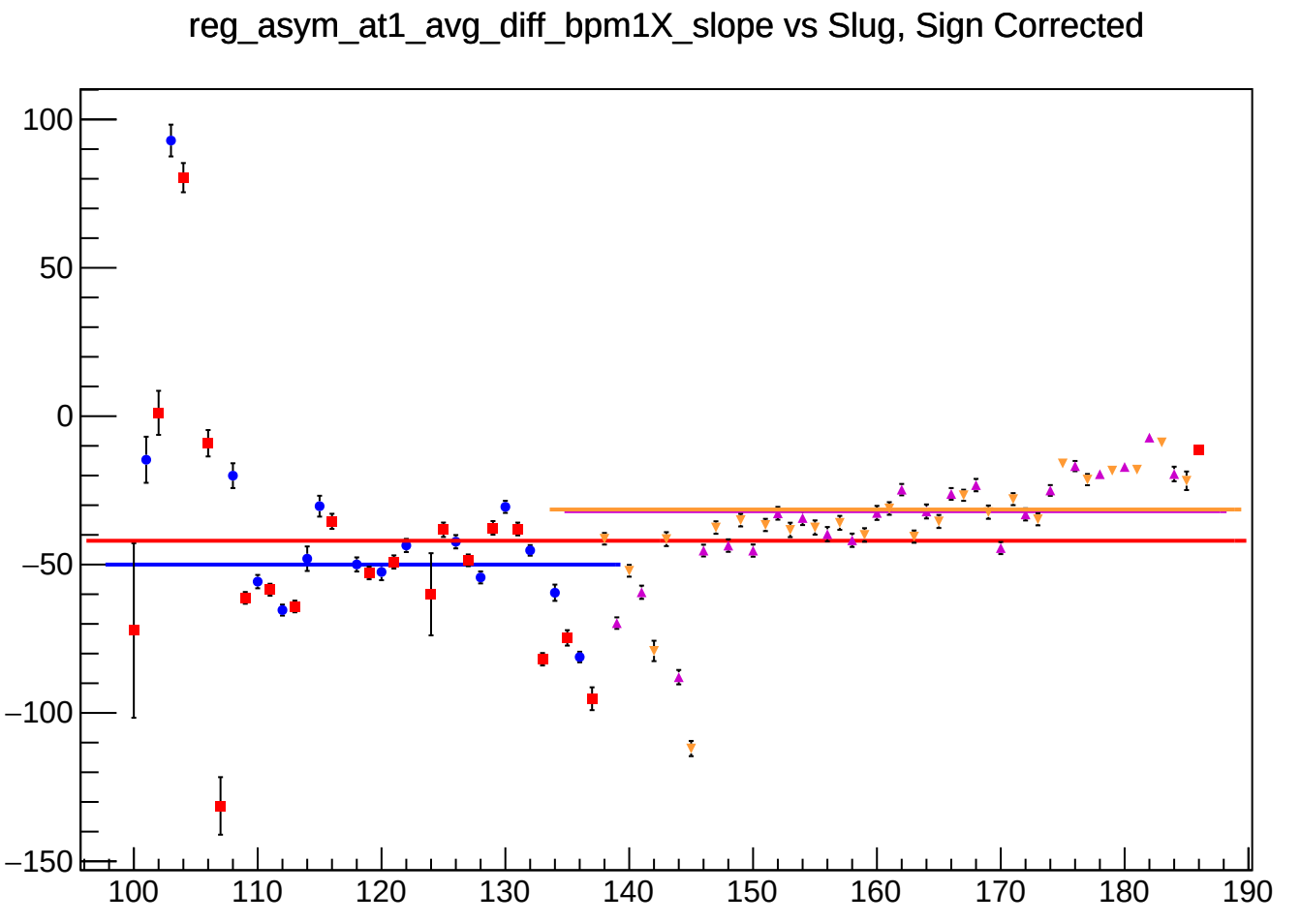
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

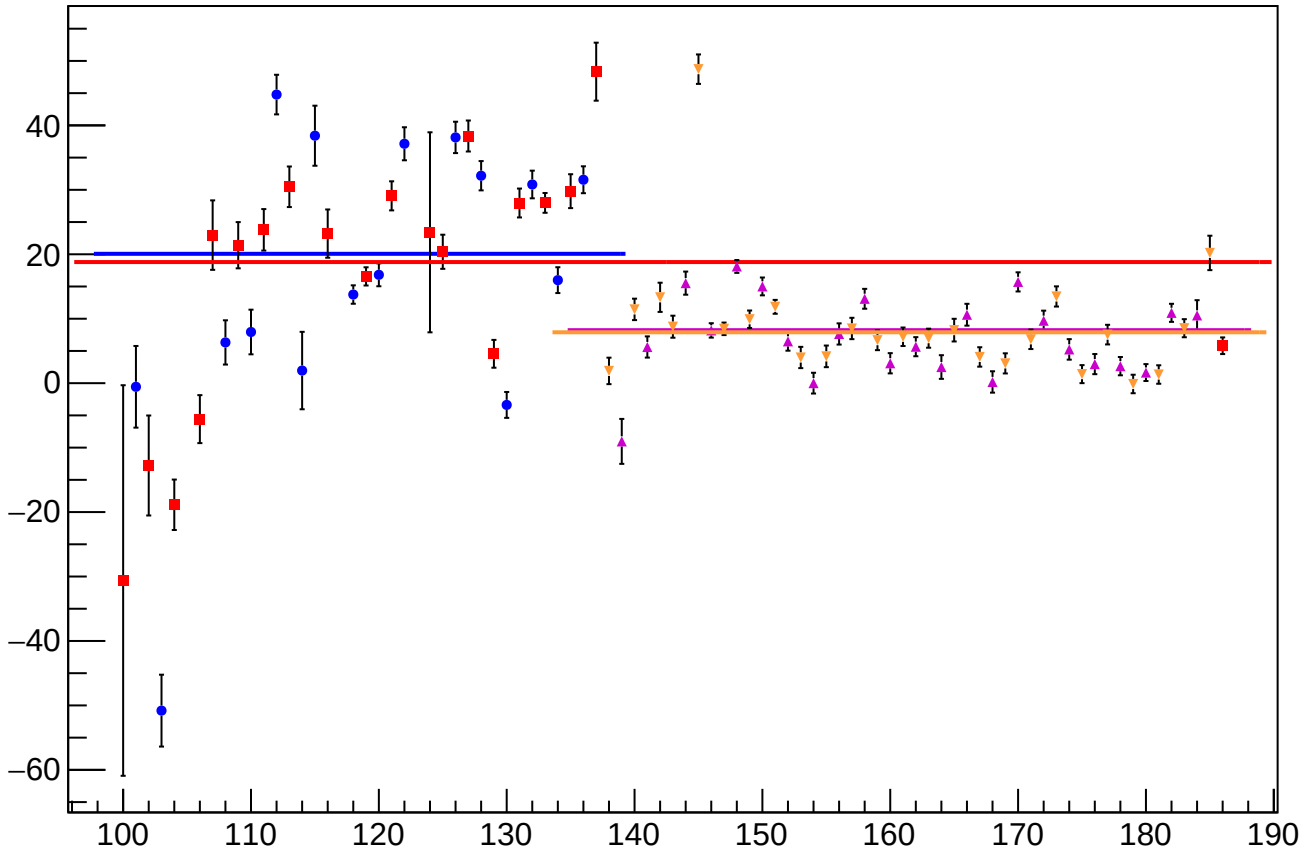
Right: 105.741+/-0.058 χ^2/NDF: 153265.8/35

In: 115.970+/-0.035 χ^2/NDF:91483.1/38

Out: 114.524+/-0.034 χ^2/NDF:101051.5/44

All: 115.228+/-0.025 χ^2/NDF: 193398.8/83


reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -50.008+/-0.610 χ²/NDF: 1327.4/15
Left Out: -31.452+/-0.399 χ²/NDF:1992.2/24
Right Out: -41.982+/-0.524 χ²/NDF: 2712.8/19
Left In: -32.015+/-0.409 χ²/NDF:1913.4/22
Left: -31.726+/-0.286 χ²/NDF: 3906.6/47
Right: -45.390+/-0.397 χ²/NDF: 4139.8/35
In: -37.598+/-0.340 χ²/NDF:3840.9/38
Out: -35.316+/-0.317 χ²/NDF:4960.8/44
All: -36.379+/-0.232 χ²/NDF: 8825.8/83



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

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

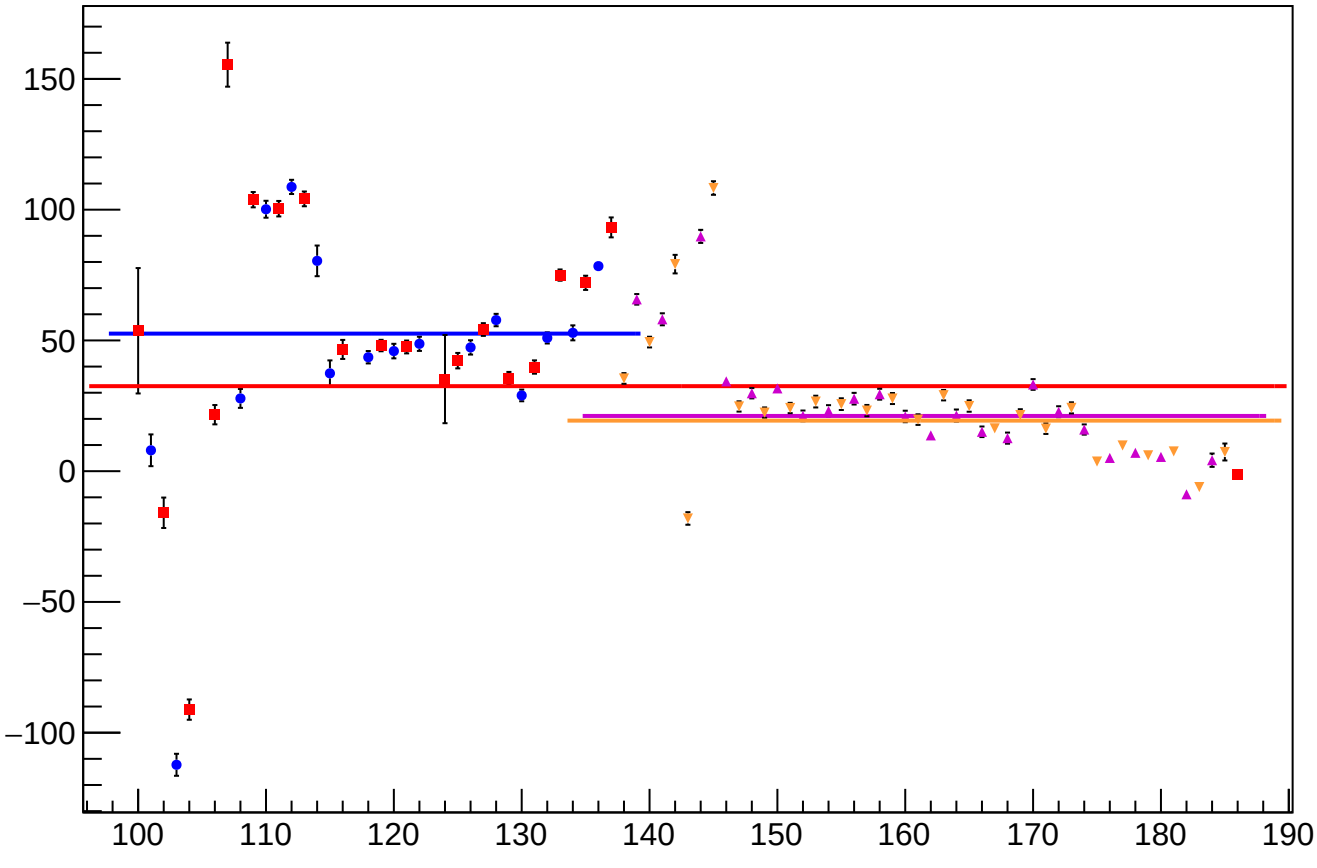
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 19.376+/-0.413 χ^2/NDF: 1159.2/35

In: 10.711+/-0.280 χ^2/NDF:1271.2/38

Out: 10.372+/-0.267 χ^2/NDF:1303.2/44

All: 10.534+/-0.193 χ^2/NDF: 2575.2/83



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

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

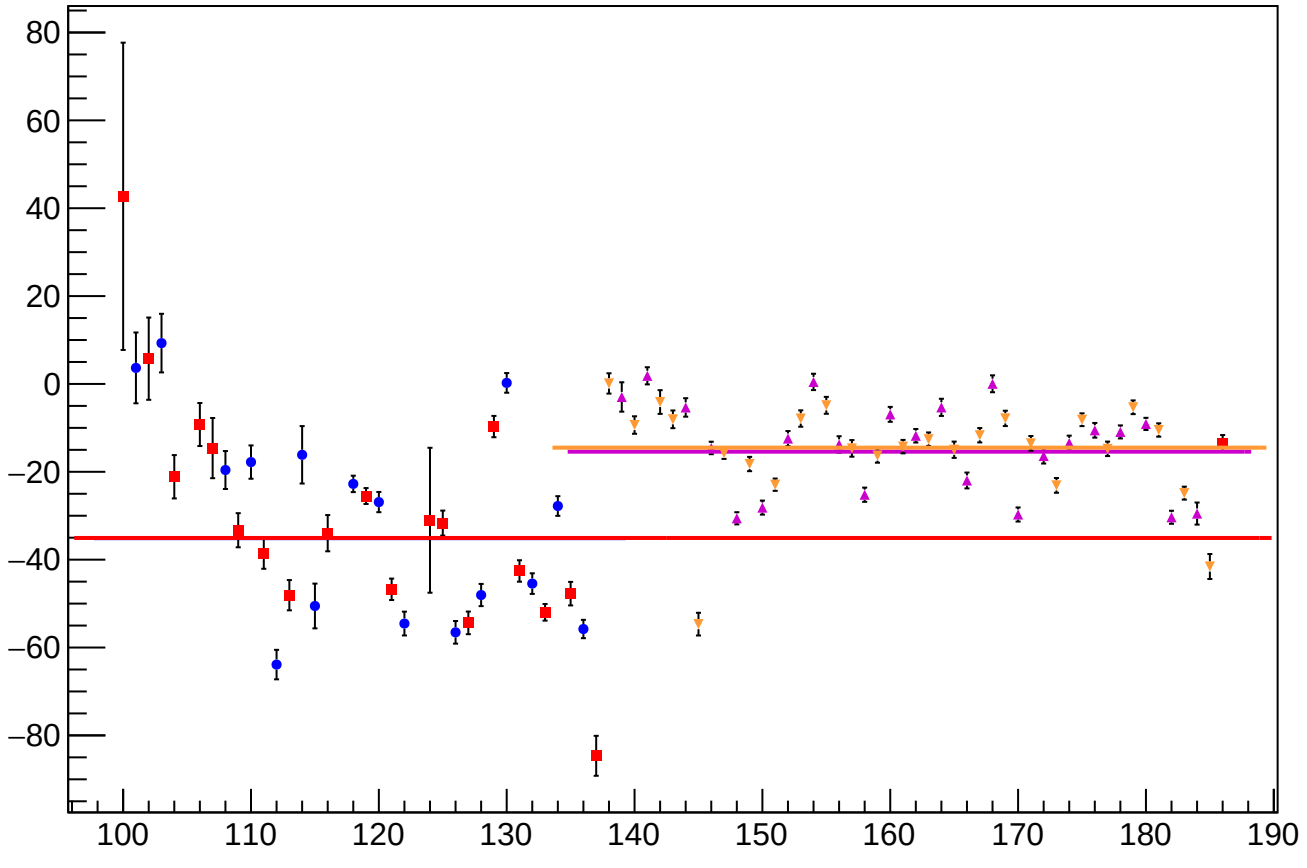
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 40.048+/-0.426 χ^2/NDF: 8930.1/35

In: 29.074+/-0.350 χ^2/NDF:6691.8/38

Out: 23.945+/-0.319 χ^2/NDF:8820.5/44

All: 26.273+/-0.236 χ^2/NDF: 15629.7/83



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

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

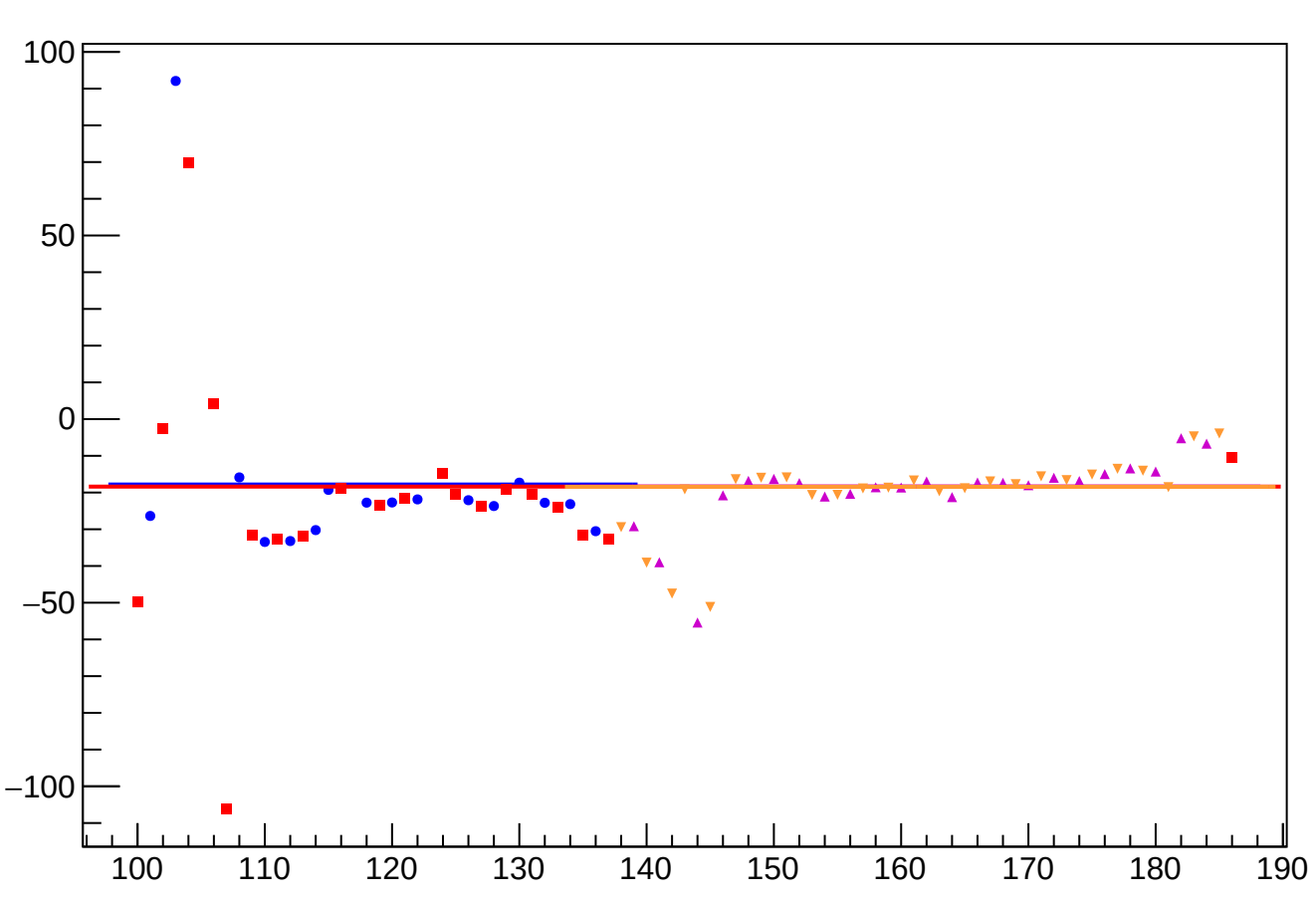
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

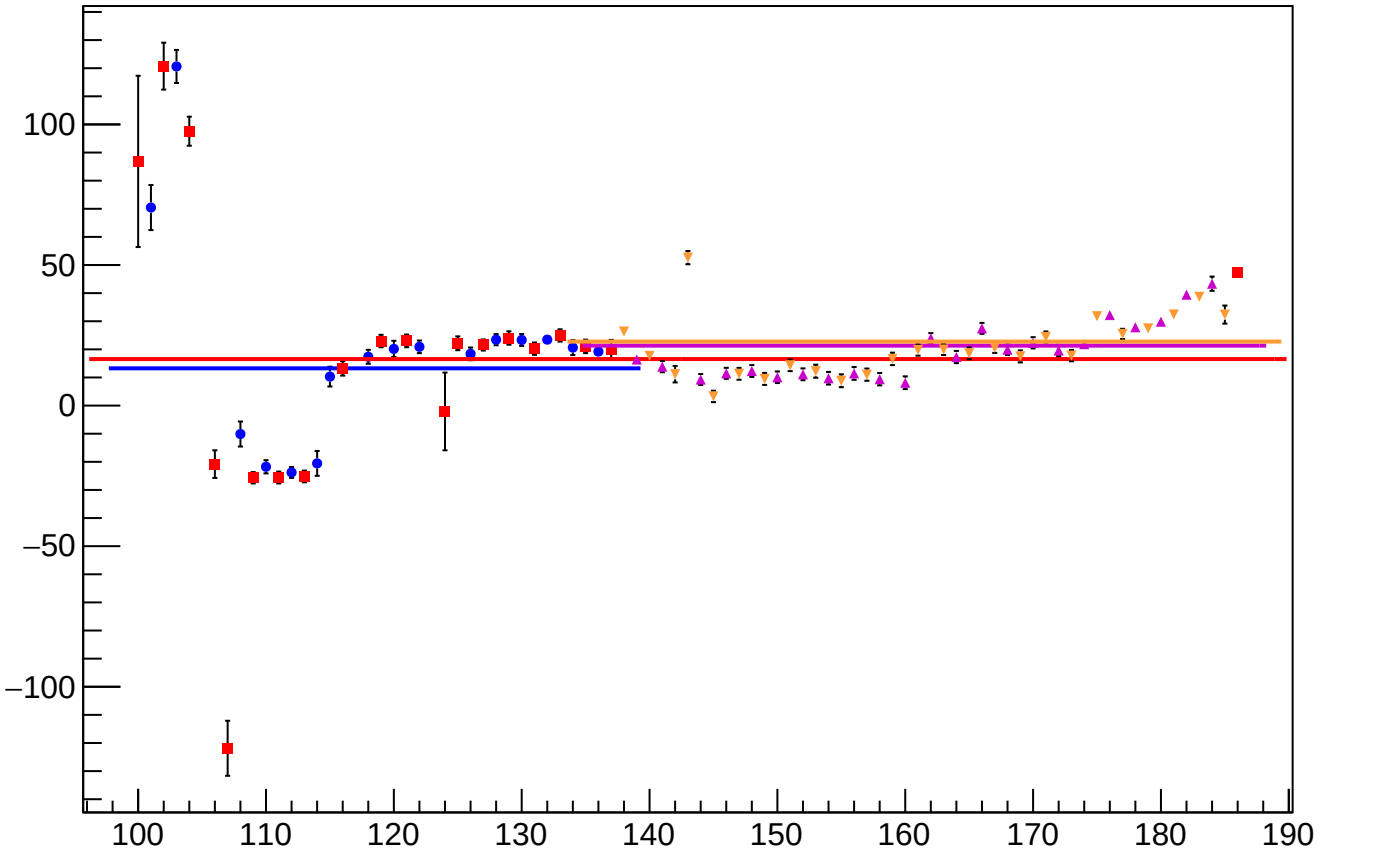
Right: -35.081+/-0.483 χ^2/NDF: 1434.8/35

In: -19.449+/-0.317 χ^2/NDF:2200.7/38

Out: -18.809+/-0.306 χ^2/NDF:2051.1/44

All: -19.118+/-0.220 χ^2/NDF: 4253.9/83


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: -17.817+/-0.043 χ²/NDF: 426105.1/15
Left Out: -18.450+/-0.015 χ²/NDF:295359.2/24
Right Out: -18.385+/-0.044 χ²/NDF: 348535.3/19
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.414+/-0.011 χ²/NDF: 545410.6/47
Right: -18.098+/-0.031 χ²/NDF: 774726.0/35
In: -18.312+/-0.015 χ²/NDF:676294.7/38
Out: -18.442+/-0.015 χ²/NDF:643896.4/44
All: -18.378+/-0.010 χ²/NDF: 1320230.4/83



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

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

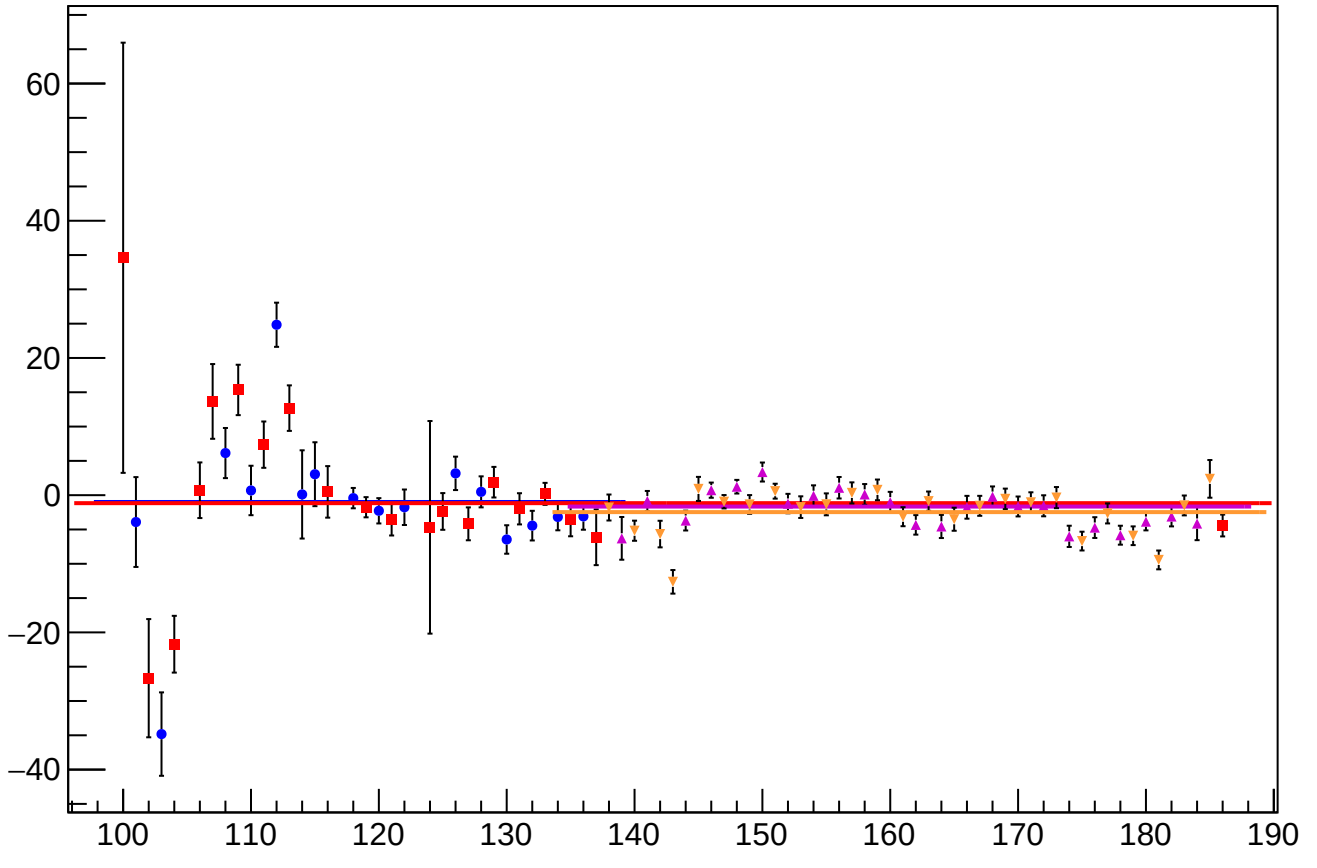
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 15.070+/-0.412 χ^2/NDF: 3748.2/35

In: 18.983+/-0.331 χ^2/NDF:1934.9/38

Out: 20.762+/-0.315 χ^2/NDF:3357.7/44

All: 19.917+/-0.228 χ^2/NDF: 5307.7/83



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

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

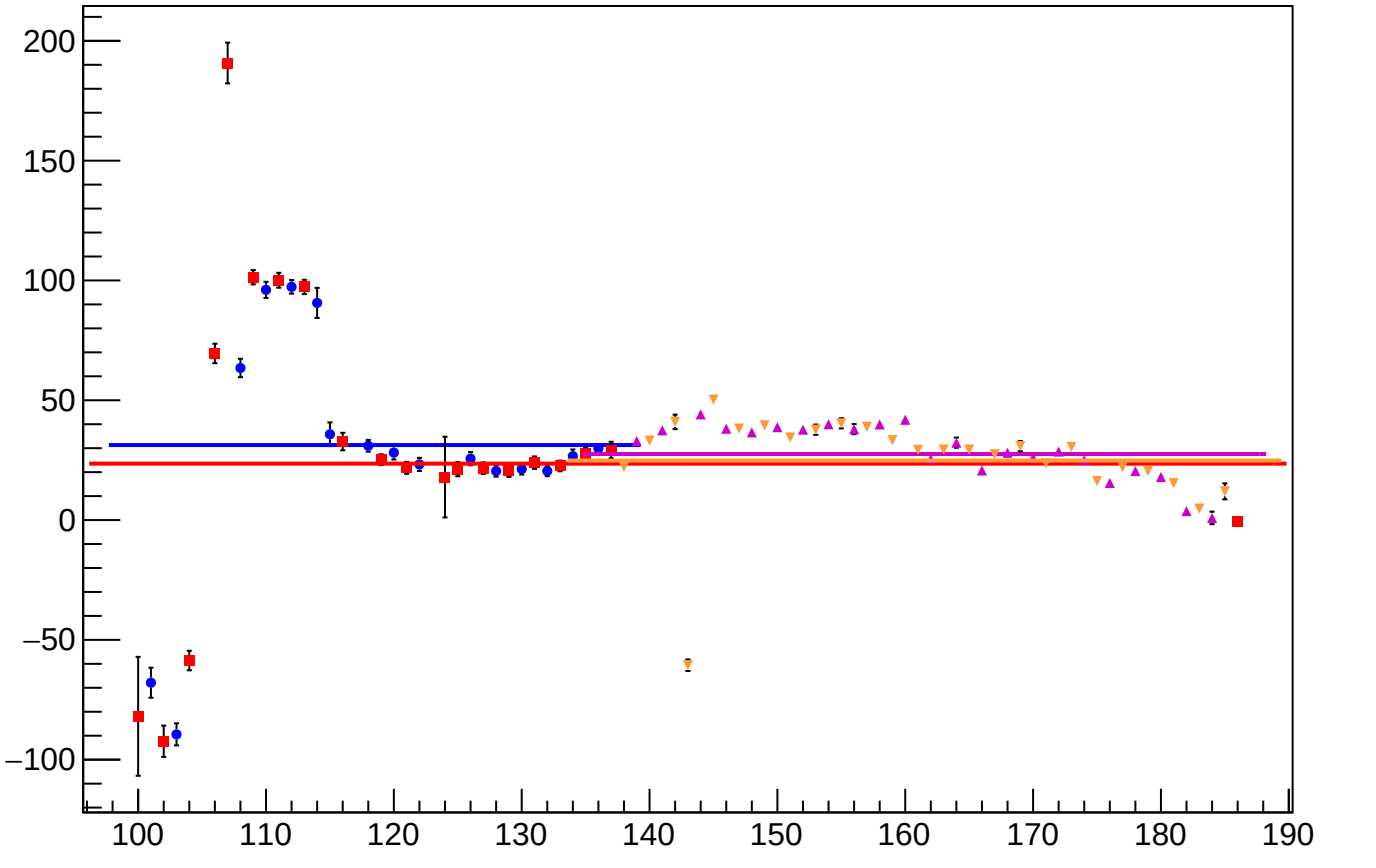
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.083+/-0.427 χ^2/NDF: 215.5/35

In: -1.530+/-0.273 χ^2/NDF:187.5/38

Out: -2.210+/-0.262 χ^2/NDF:219.7/44

All: -1.883+/-0.189 χ^2/NDF: 410.4/83



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

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

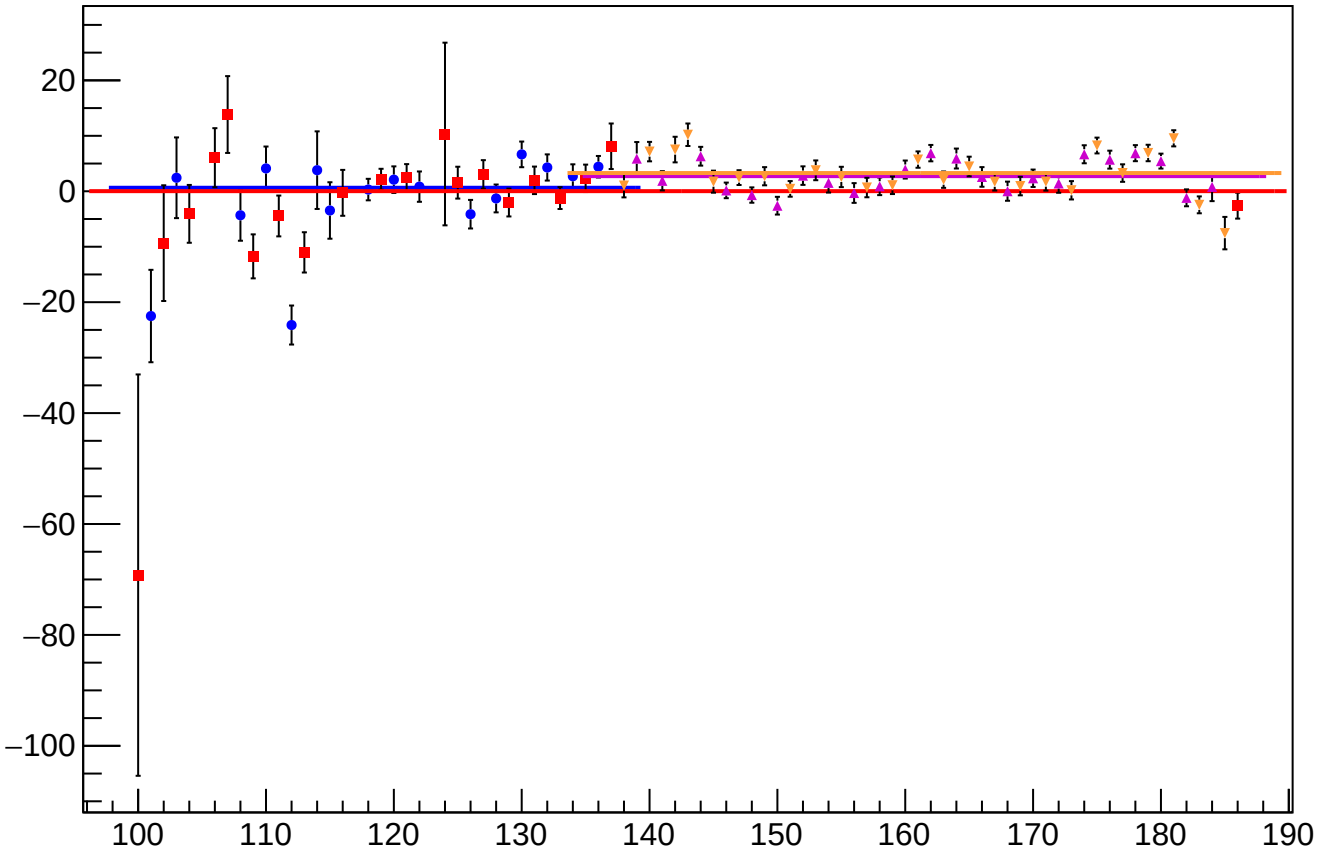
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 26.758+/-0.450 χ^2/NDF: 5883.0/35

In: 28.437+/-0.340 χ^2/NDF:2989.8/38

Out: 24.467+/-0.319 χ^2/NDF:5777.2/44

All: 26.326+/-0.233 χ^2/NDF: 8839.5/83



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

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

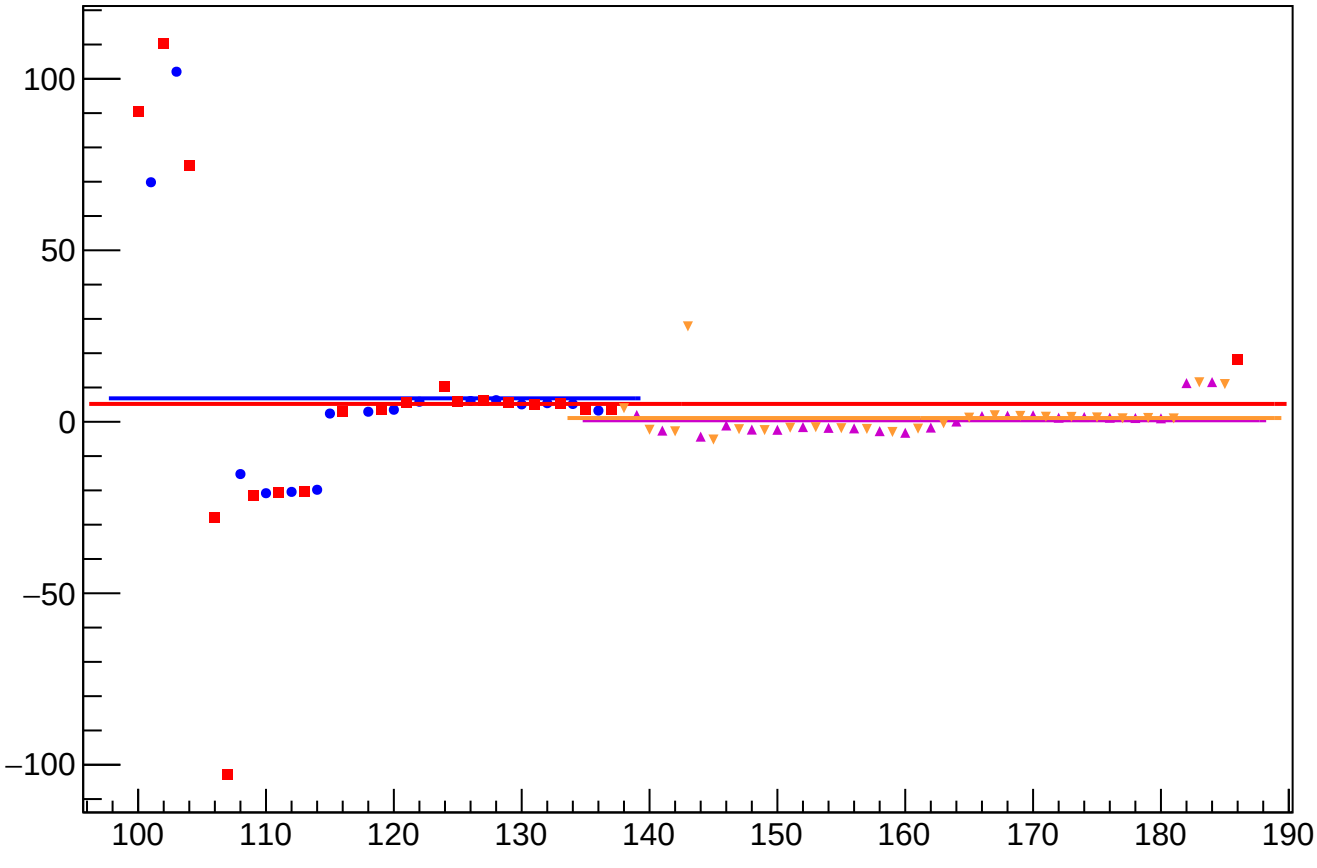
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: 0.322+/-0.494 χ^2/NDF: 120.7/35

In: 2.329+/-0.308 χ^2/NDF:160.1/38

Out: 2.680+/-0.299 χ^2/NDF:166.2/44

All: 2.510+/-0.214 χ^2/NDF: 326.9/83



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

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

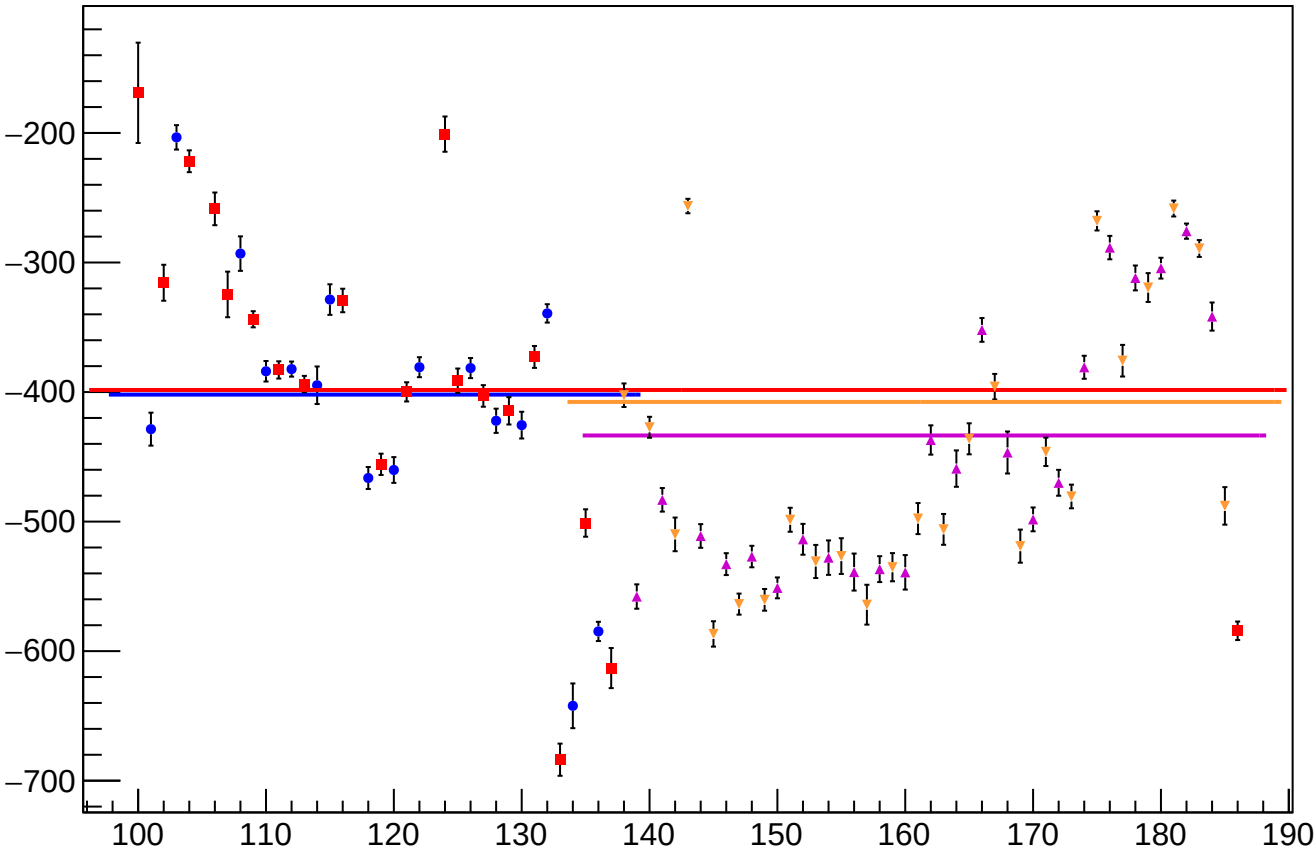
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 6.057+/-0.031 χ^2/NDF: 762900.9/35

In: 1.148+/-0.014 χ^2/NDF:394222.7/38

Out: 1.505+/-0.014 χ^2/NDF:577734.8/44

All: 1.328+/-0.010 χ^2/NDF: 972274.5/83



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

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

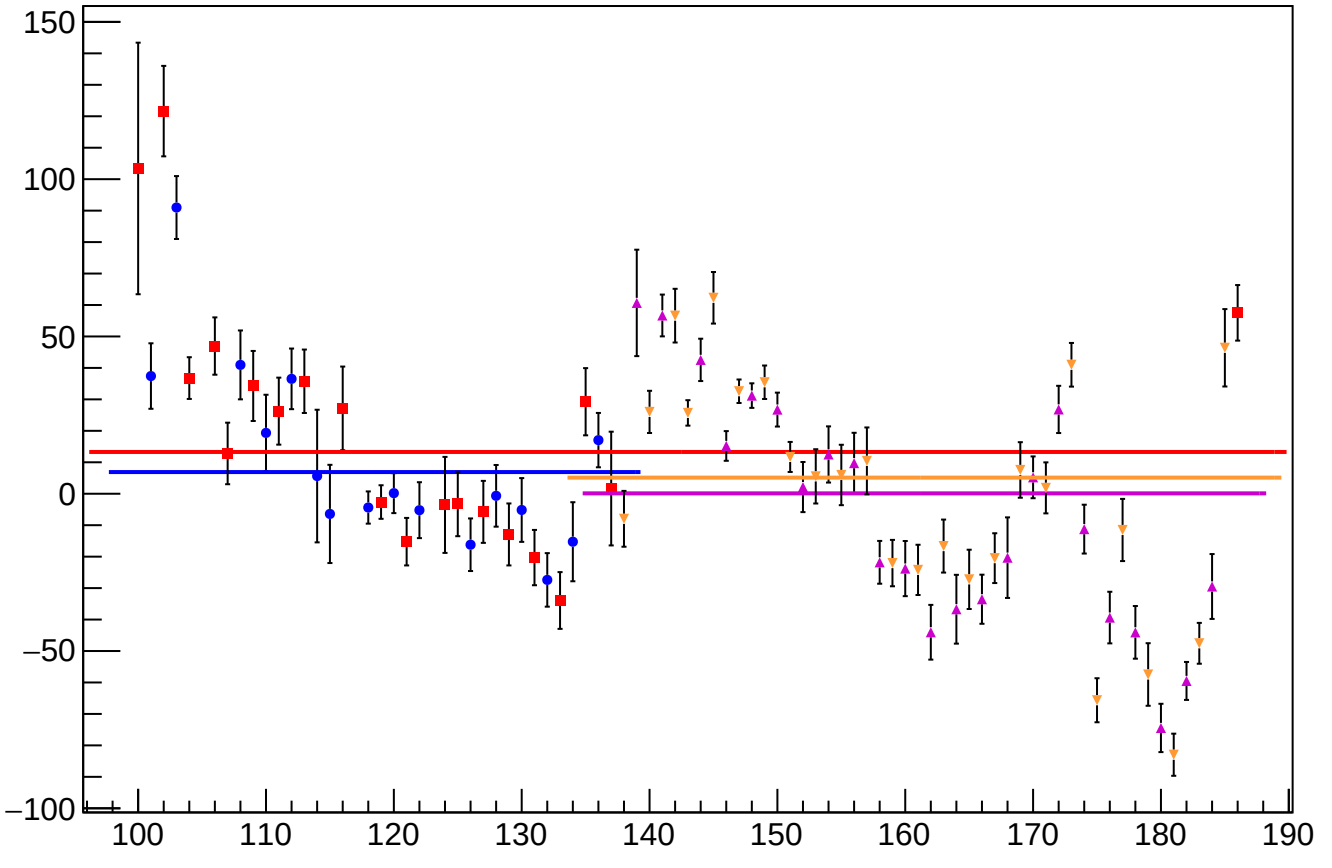
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -400.011+/-1.506 χ^2/NDF: 4119.5/35

In: -419.552+/-1.488 χ^2/NDF:4398.9/38

Out: -403.405+/-1.376 χ^2/NDF:6571.6/44

All: -410.851+/-1.010 χ^2/NDF: 11033.9/83



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

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

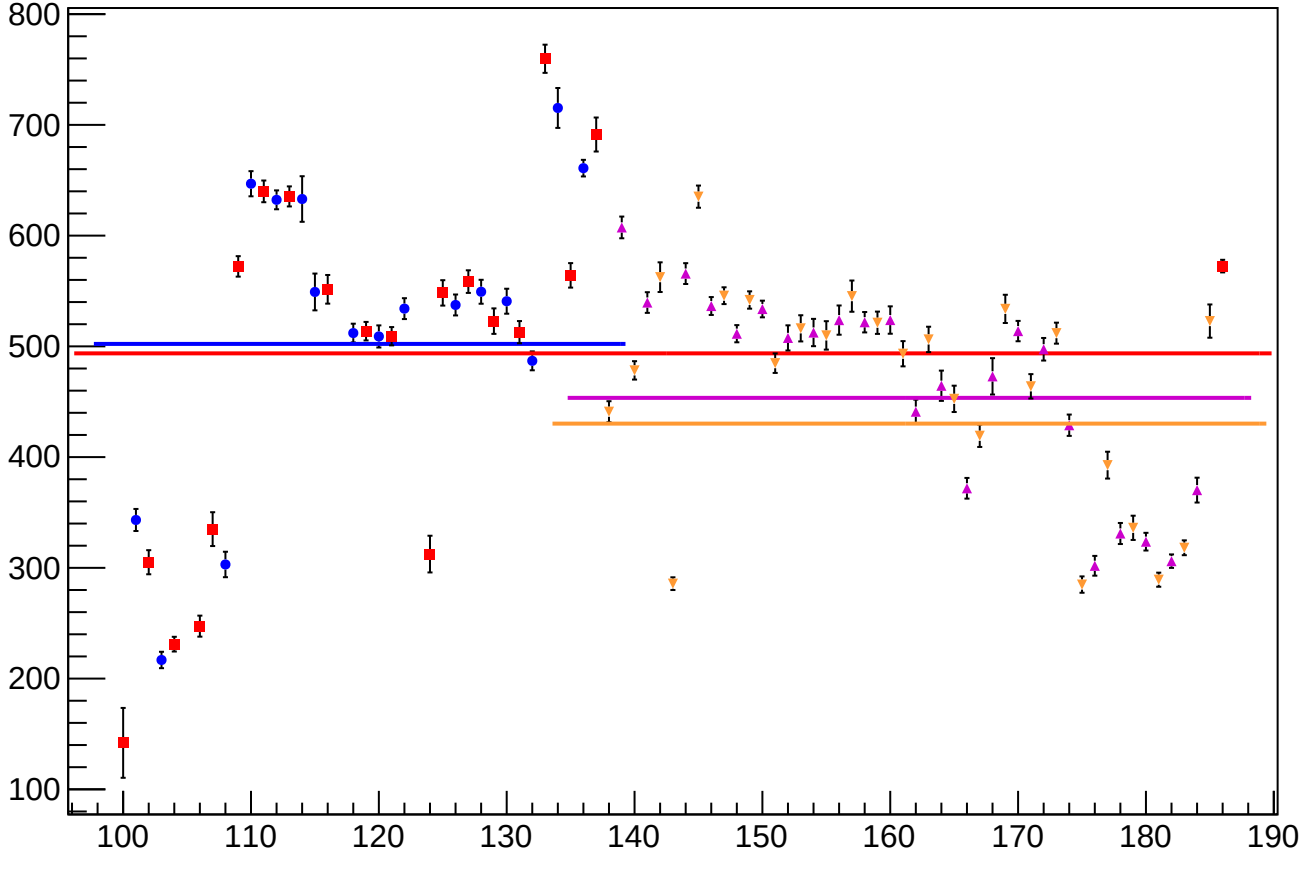
Right: 10.277+/-1.552 χ^2/NDF: 349.3/35

In: 2.167+/-1.244 χ^2/NDF:713.2/38

Out: 7.530+/-1.158 χ^2/NDF:906.1/44

All: 5.041+/-0.848 χ^2/NDF: 1629.3/83

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

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

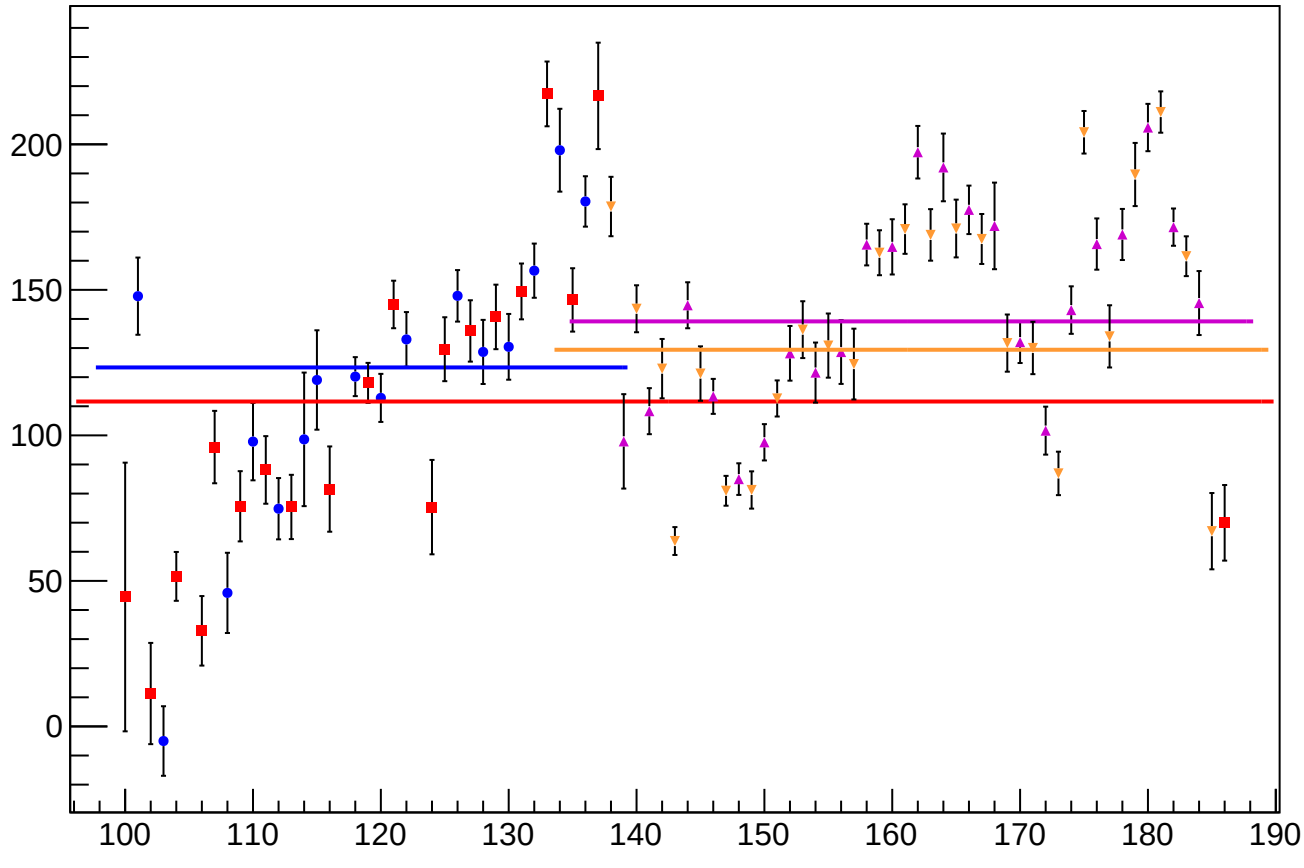
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 497.436+/-1.654 χ^2/NDF: 7505.9/35

In: 472.269+/-1.547 χ^2/NDF:5789.6/38

Out: 456.548+/-1.424 χ^2/NDF:8251.2/44

All: 463.755+/-1.048 χ^2/NDF: 14096.7/83



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

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

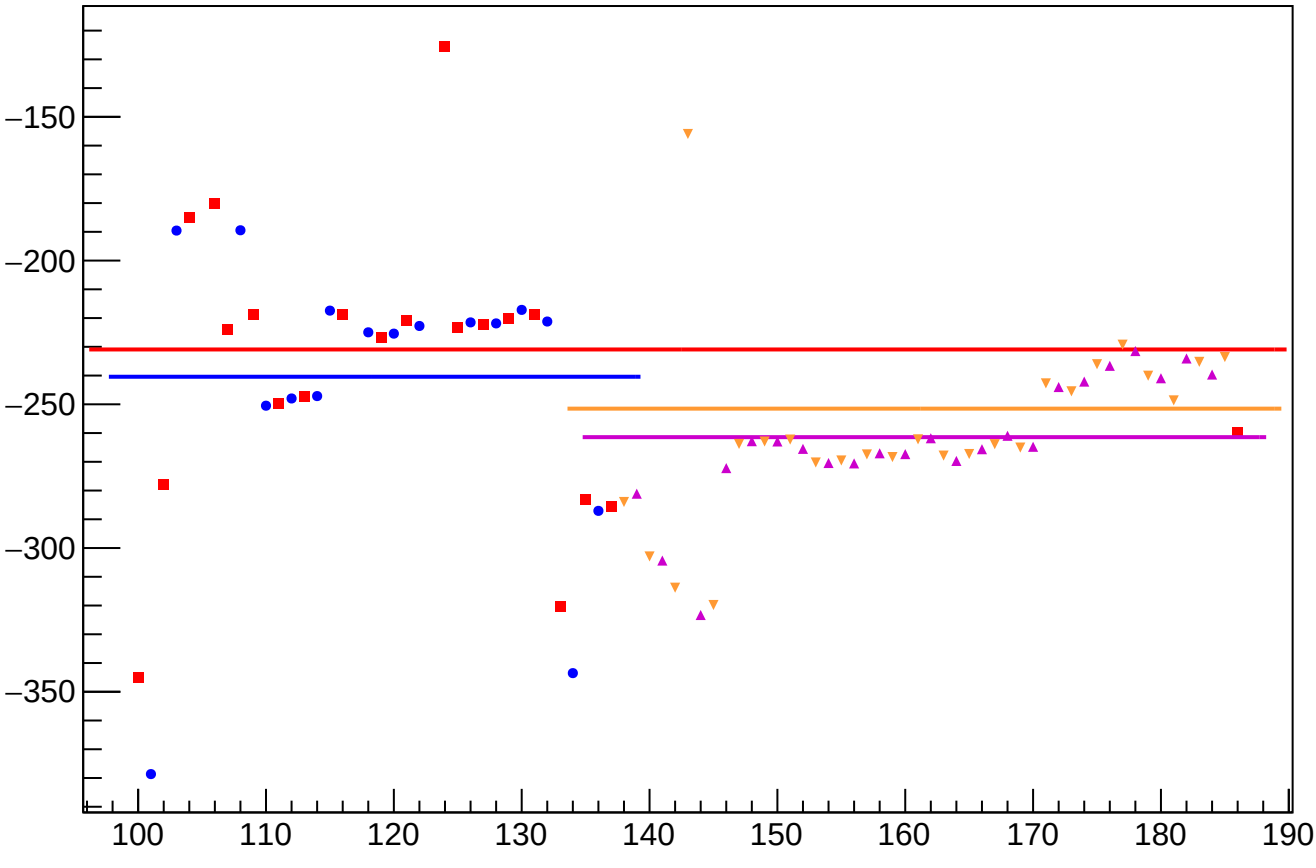
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 117.193+/-1.810 χ^2/NDF: 638.2/35

In: 134.475+/-1.430 χ^2/NDF:731.1/38

Out: 124.277+/-1.343 χ^2/NDF:1206.8/44

All: 129.055+/-0.979 χ^2/NDF: 1964.8/83



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

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

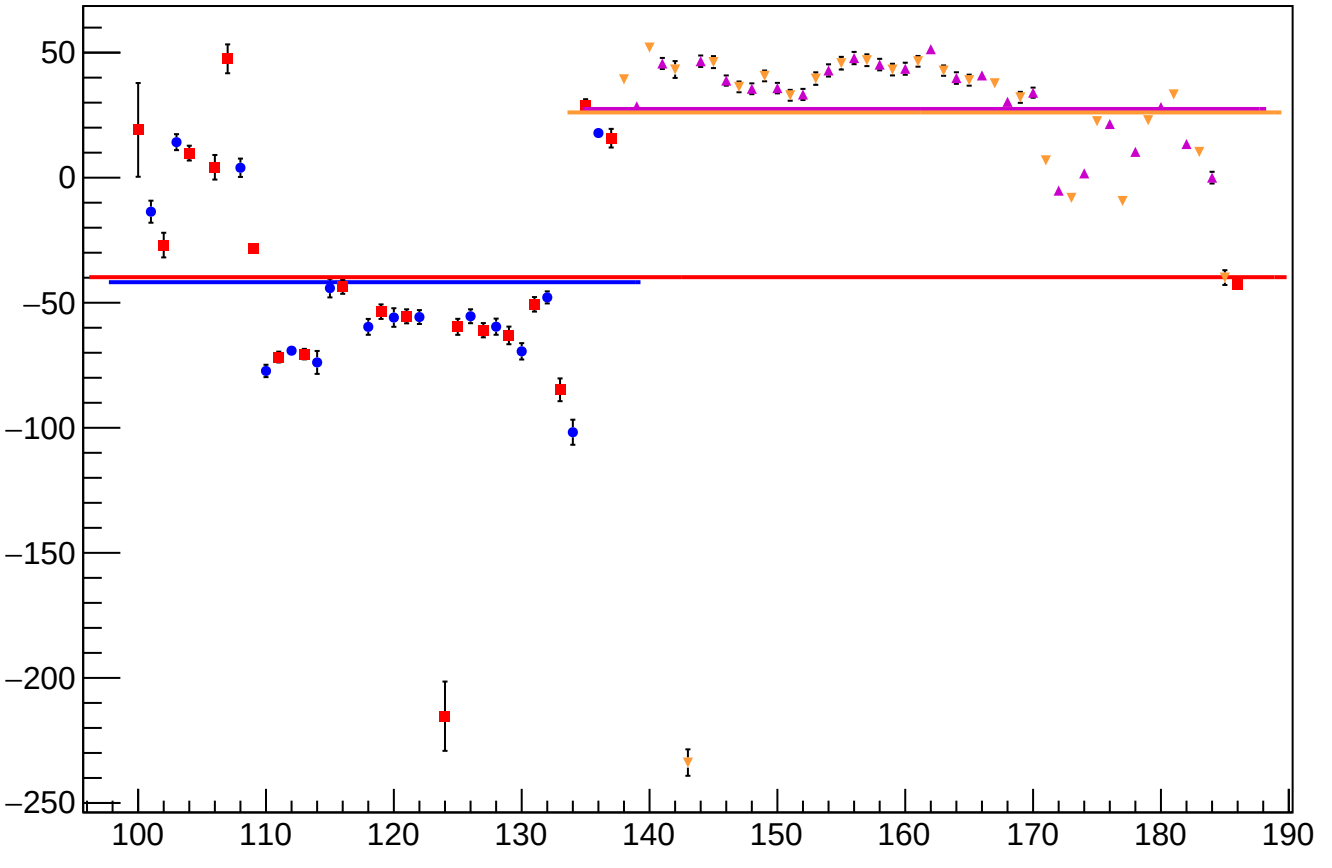
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -235.477+/-0.104 χ^2/NDF: 220632.3/35

In: -256.992+/-0.069 χ^2/NDF:219069.2/38

Out: -247.187+/-0.066 χ^2/NDF:355329.4/44

All: -251.882+/-0.048 χ^2/NDF: 584870.2/83



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

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

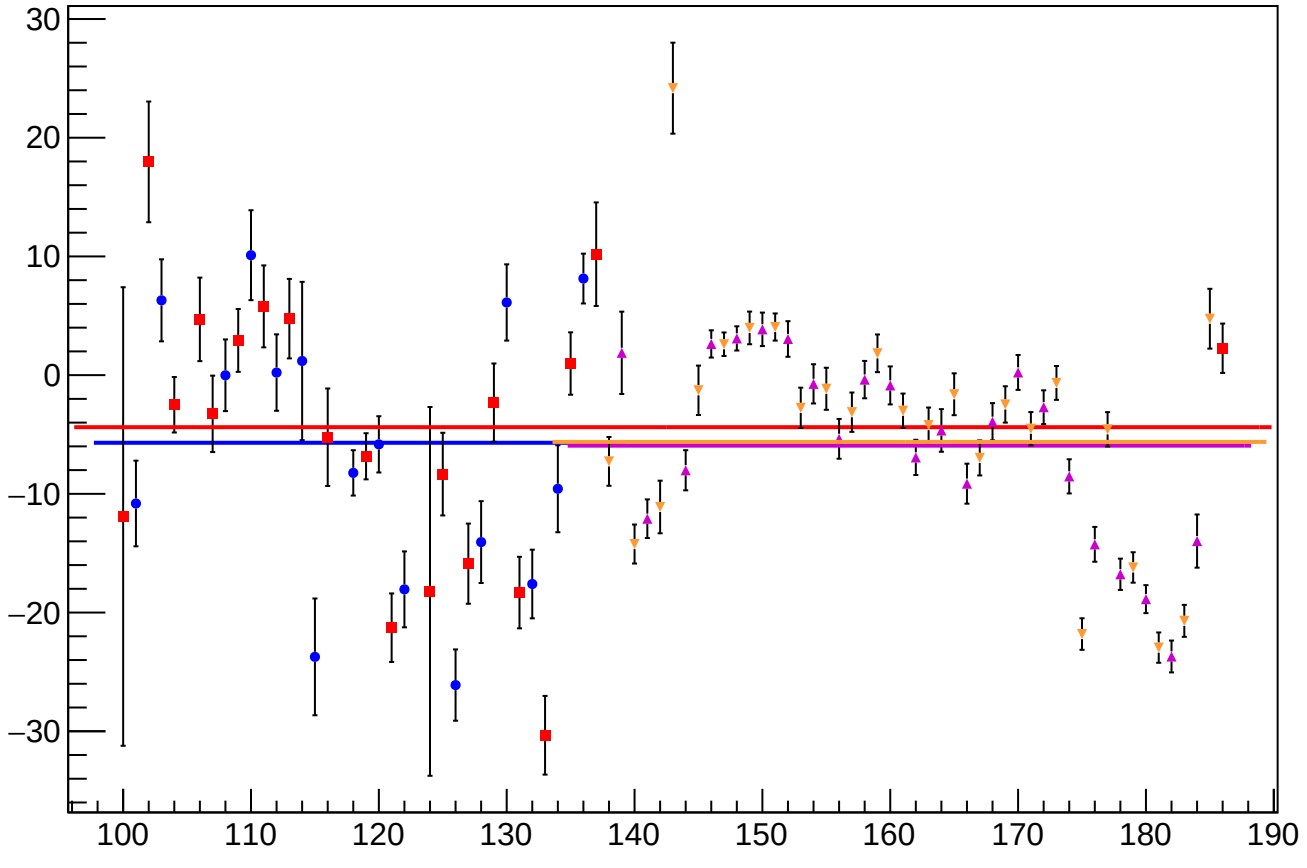
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -40.644+/-0.475 χ^2/NDF: 4892.2/35

In: 11.502+/-0.347 χ^2/NDF:11072.0/38

Out: 7.848+/-0.331 χ^2/NDF:15177.9/44

All: 9.590+/-0.240 χ^2/NDF: 26307.9/83



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

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

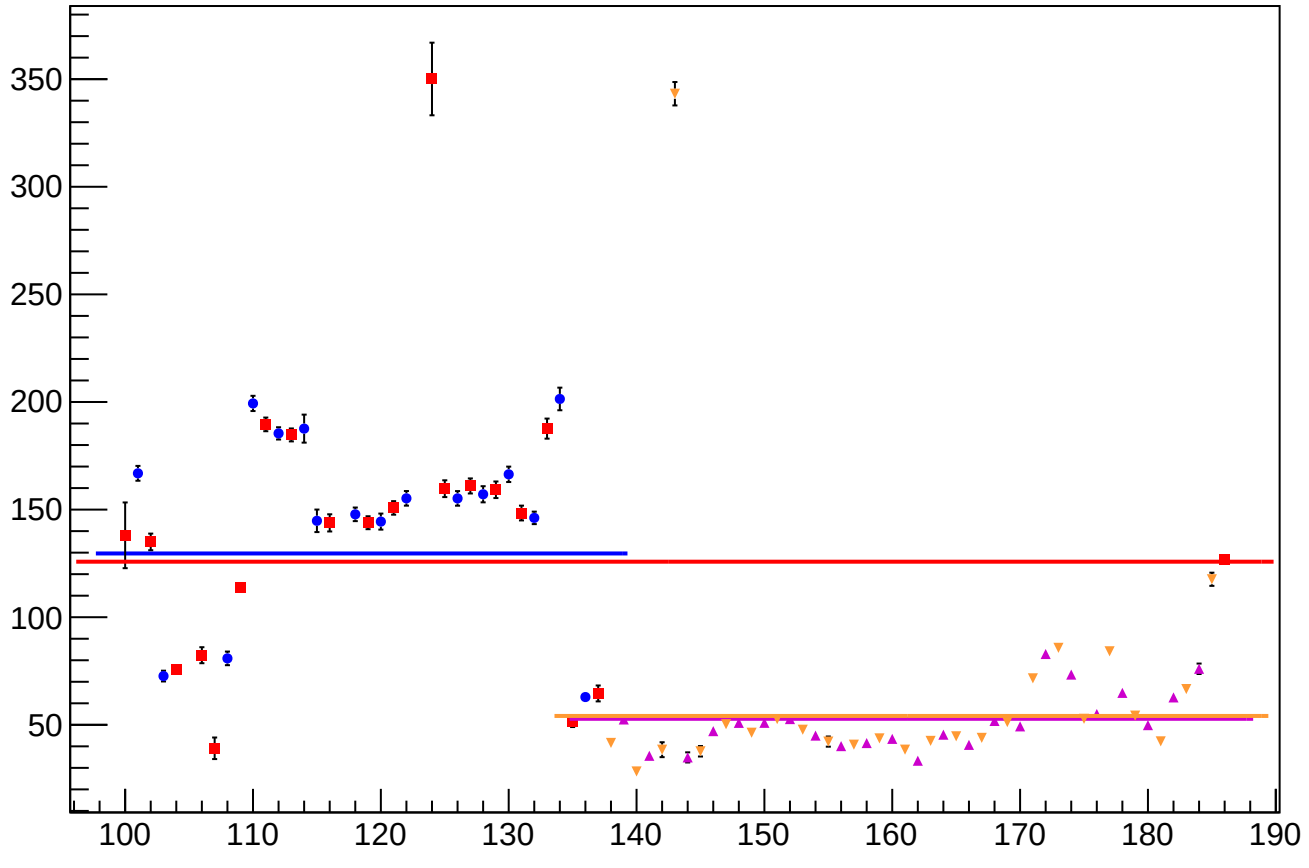
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -4.990+/-0.512 χ^2/NDF: 407.2/35

In: -5.905+/-0.286 χ^2/NDF:909.1/38

Out: -5.429+/-0.277 χ^2/NDF:1104.9/44

All: -5.660+/-0.199 χ^2/NDF: 2015.3/83



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

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

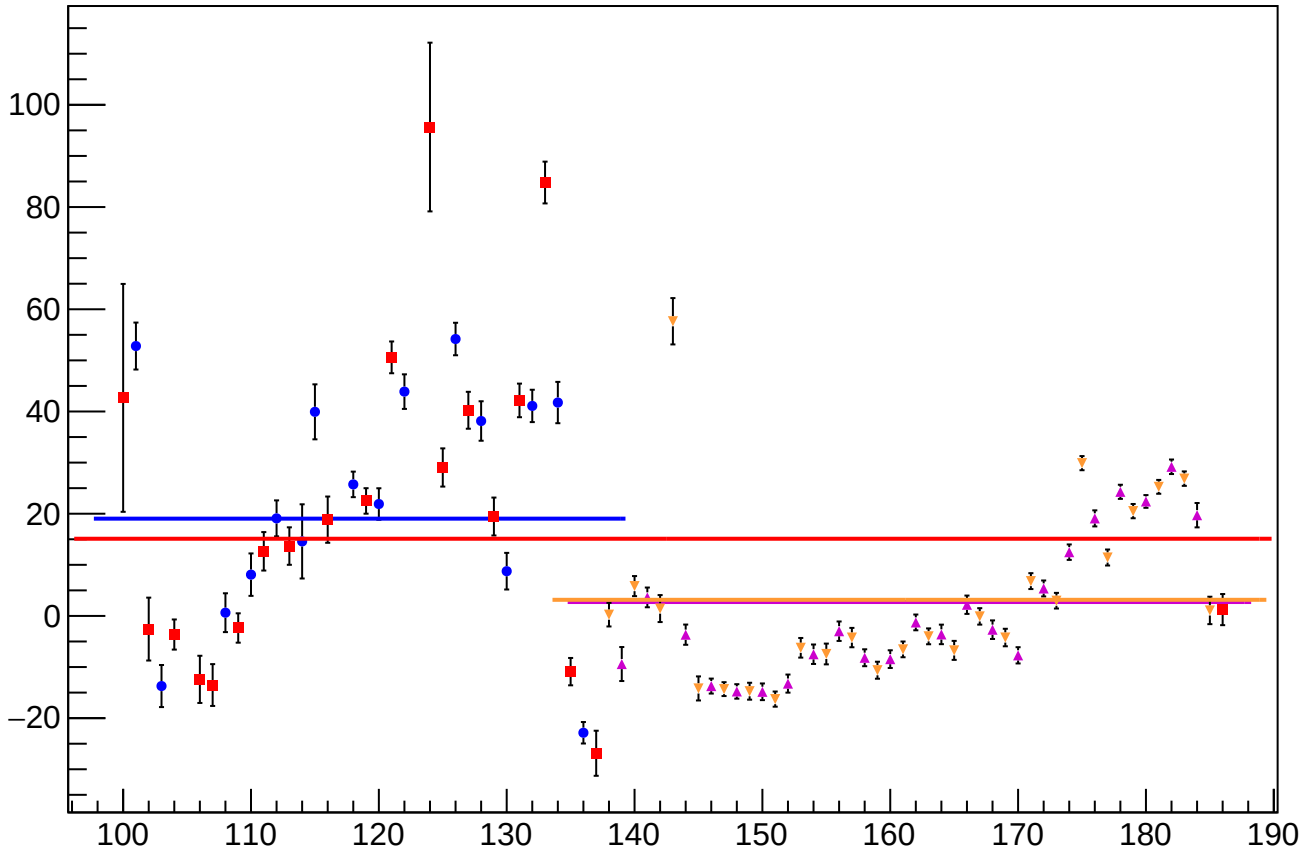
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 127.401+/-0.519 χ^2/NDF: 7141.6/35

In: 67.689+/-0.352 χ^2/NDF:12025.0/38

Out: 71.651+/-0.337 χ^2/NDF:16472.0/44

All: 69.761+/-0.243 χ^2/NDF: 28563.1/83



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

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

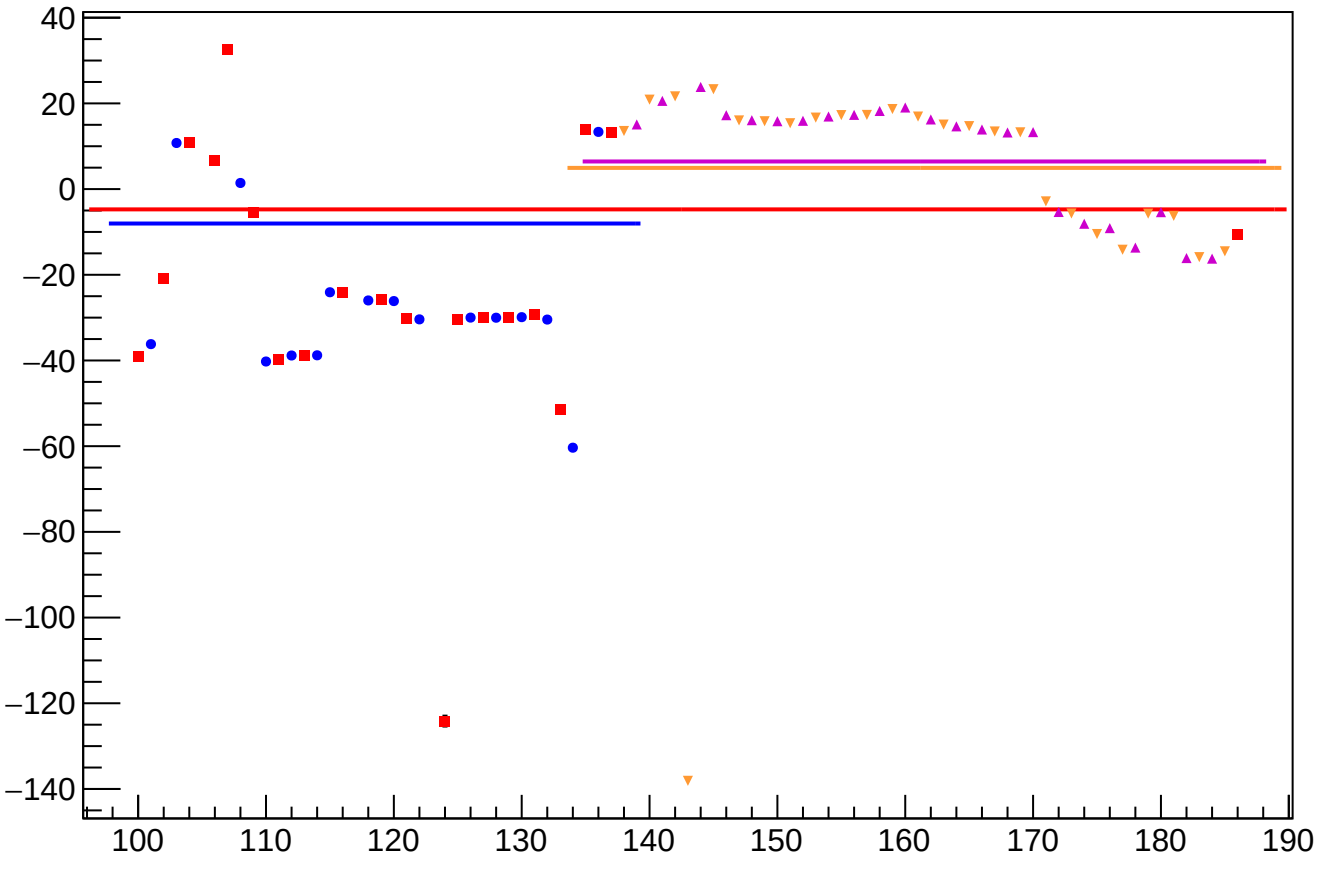
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 16.964+/-0.592 χ^2/NDF: 1832.6/35

In: 5.003+/-0.322 χ^2/NDF:2902.8/38

Out: 4.925+/-0.314 χ^2/NDF:3159.0/44

All: 4.963+/-0.225 χ^2/NDF: 6061.9/83



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

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

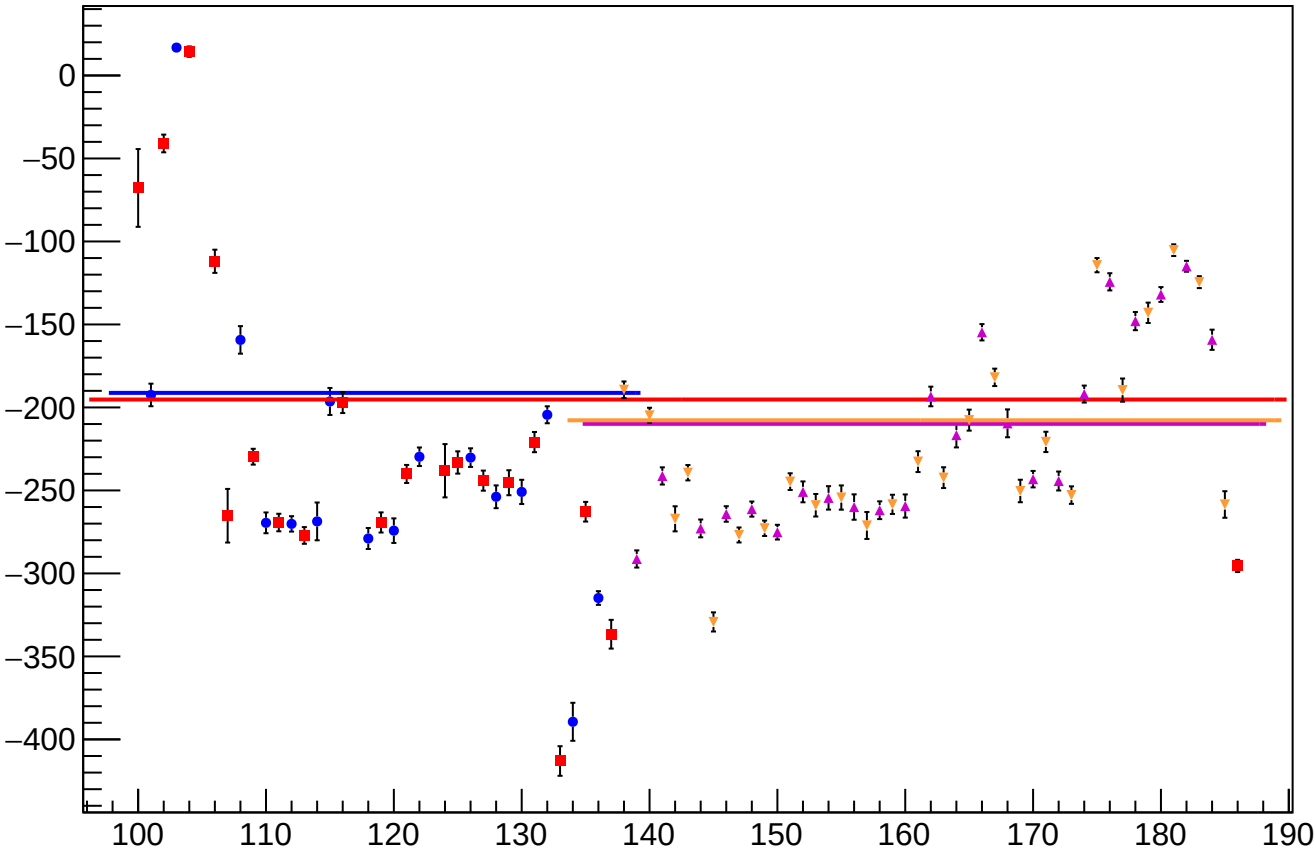
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -6.383+/-0.032 χ^2/NDF: 499672.9/35

In: 4.986+/-0.015 χ^2/NDF:1087379.7/38

Out: 3.981+/-0.014 χ^2/NDF:1406048.3/44

All: 4.479+/-0.010 χ^2/NDF: 2495832.1/83



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

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

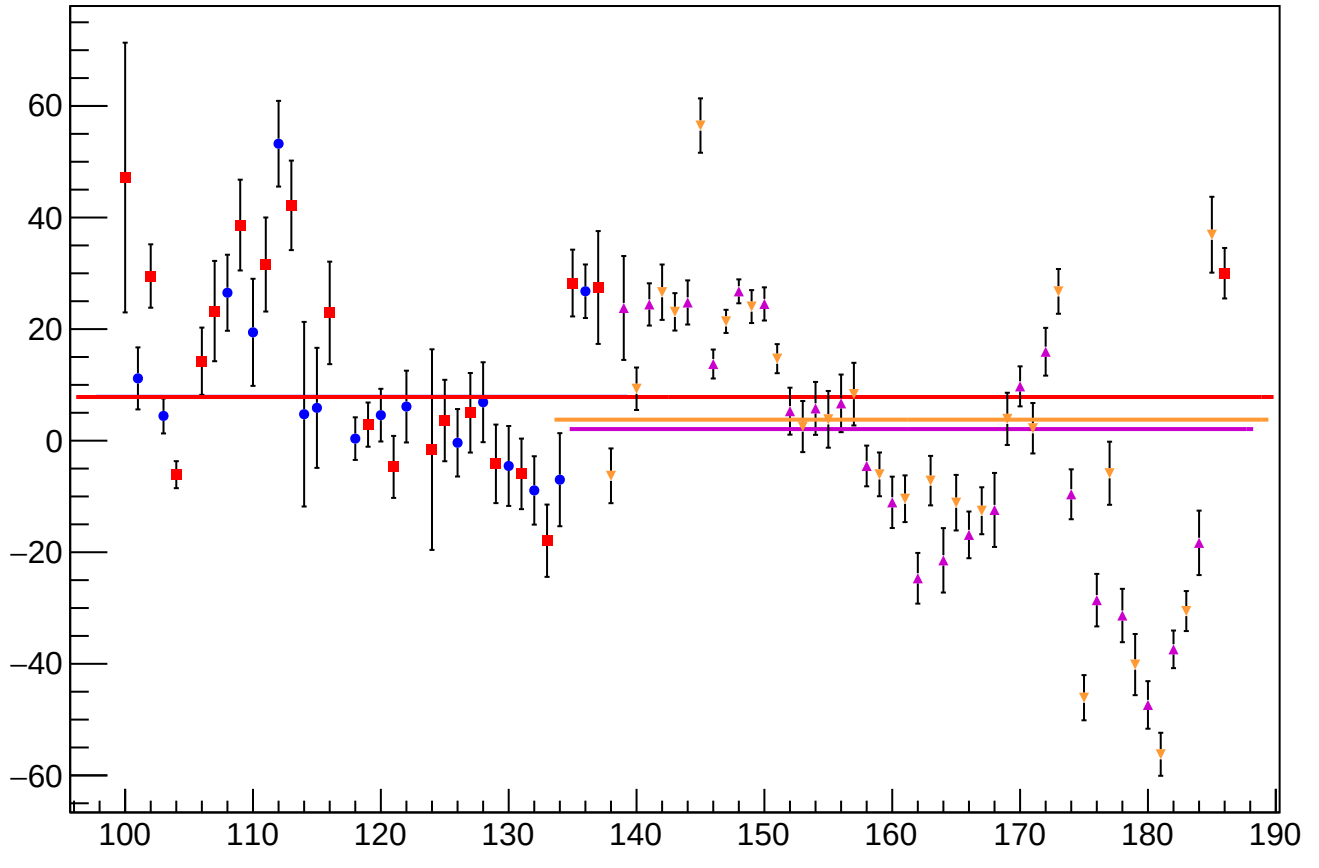
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -193.410+/-0.956 χ^2/NDF: 15450.1/35

In: -202.862+/-0.870 χ^2/NDF:10344.4/38

Out: -202.665+/-0.825 χ^2/NDF:11763.7/44

All: -202.758+/-0.598 χ^2/NDF: 22108.2/83



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

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

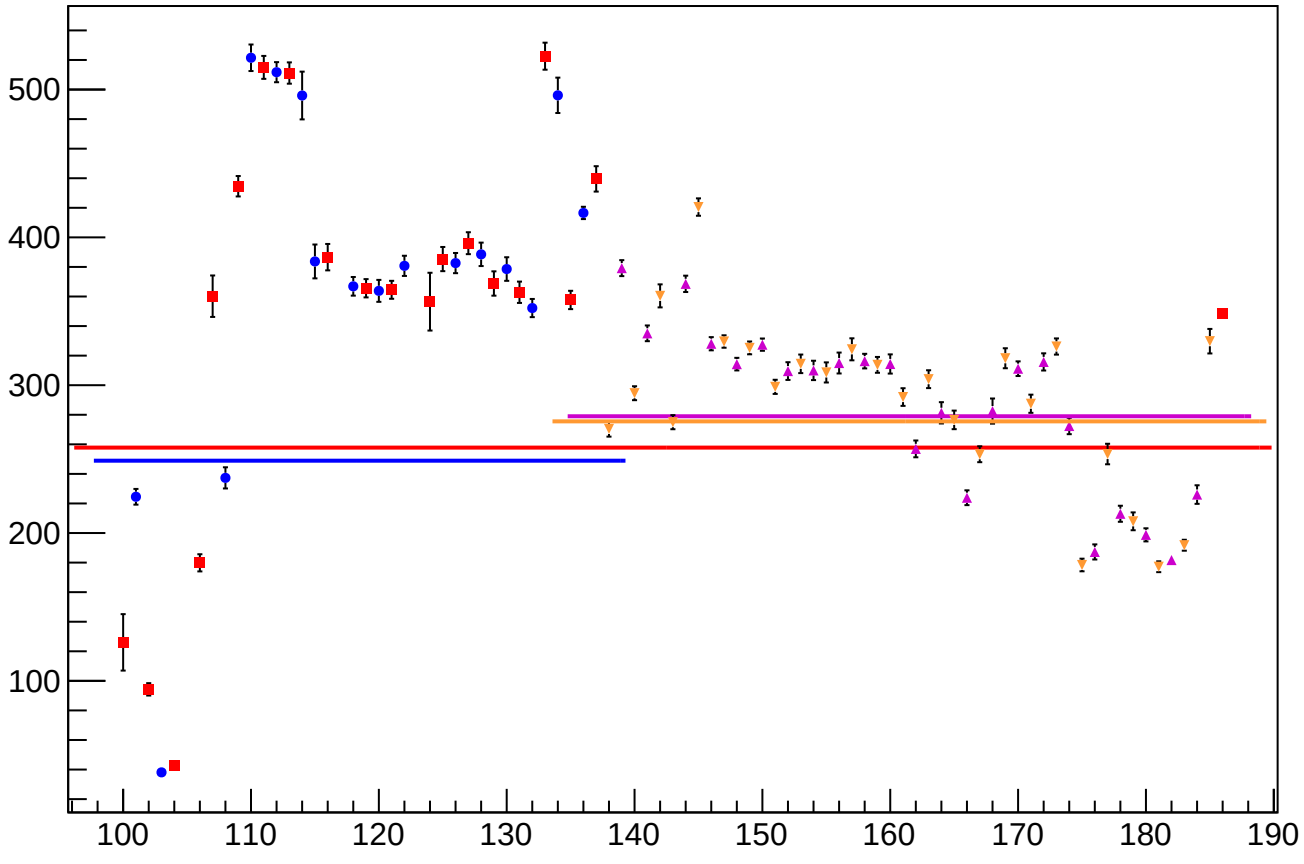
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 7.842+/-0.964 χ^2/NDF: 249.0/35

In: 3.497+/-0.712 χ^2/NDF:863.3/38

Out: 4.861+/-0.673 χ^2/NDF:1147.3/44

All: 4.217+/-0.489 χ^2/NDF: 2012.5/83



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

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

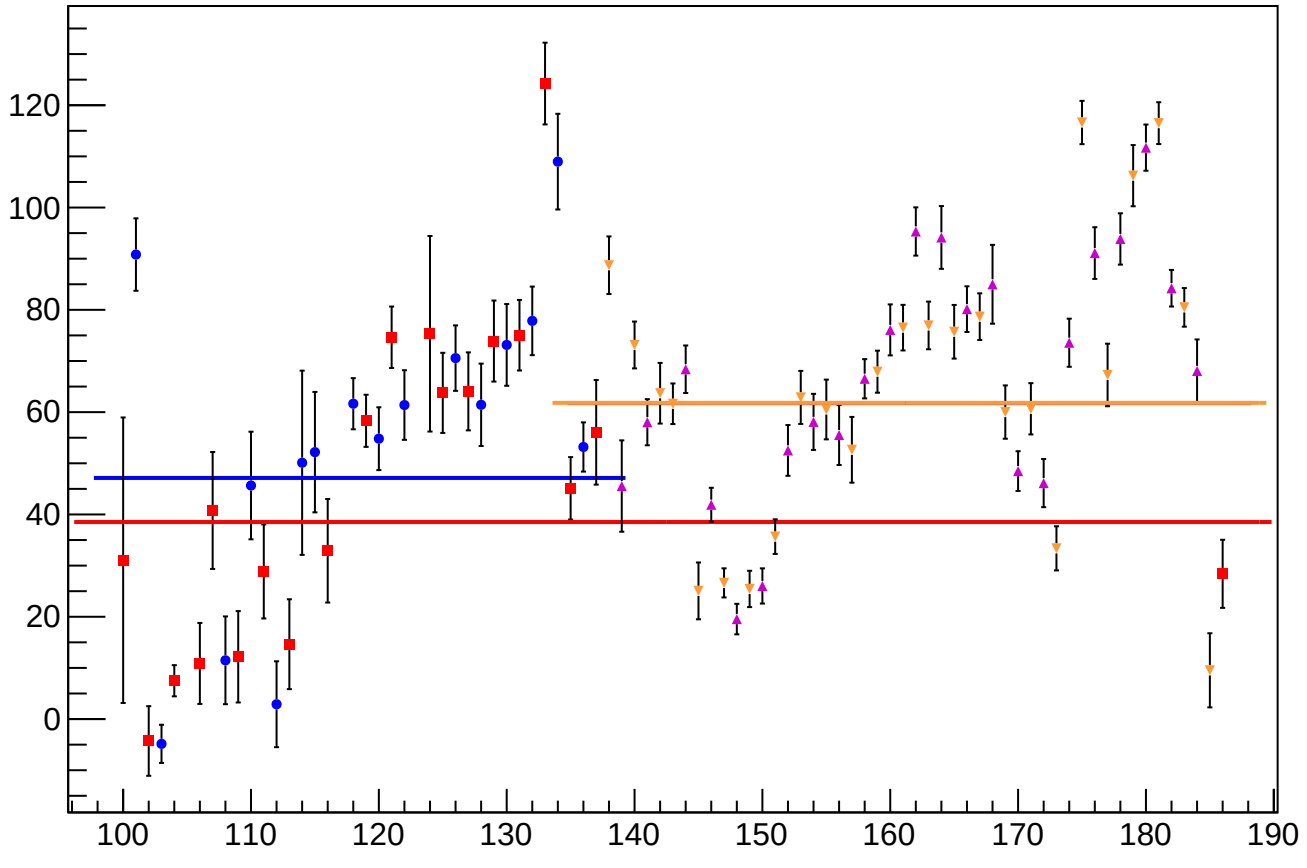
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 253.864+/-0.946 χ^2/NDF: 32163.7/35

In: 267.877+/-0.864 χ^2/NDF:18698.6/38

Out: 268.222+/-0.814 χ^2/NDF:20278.1/44

All: 268.060+/-0.593 χ^2/NDF: 38976.8/83



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

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

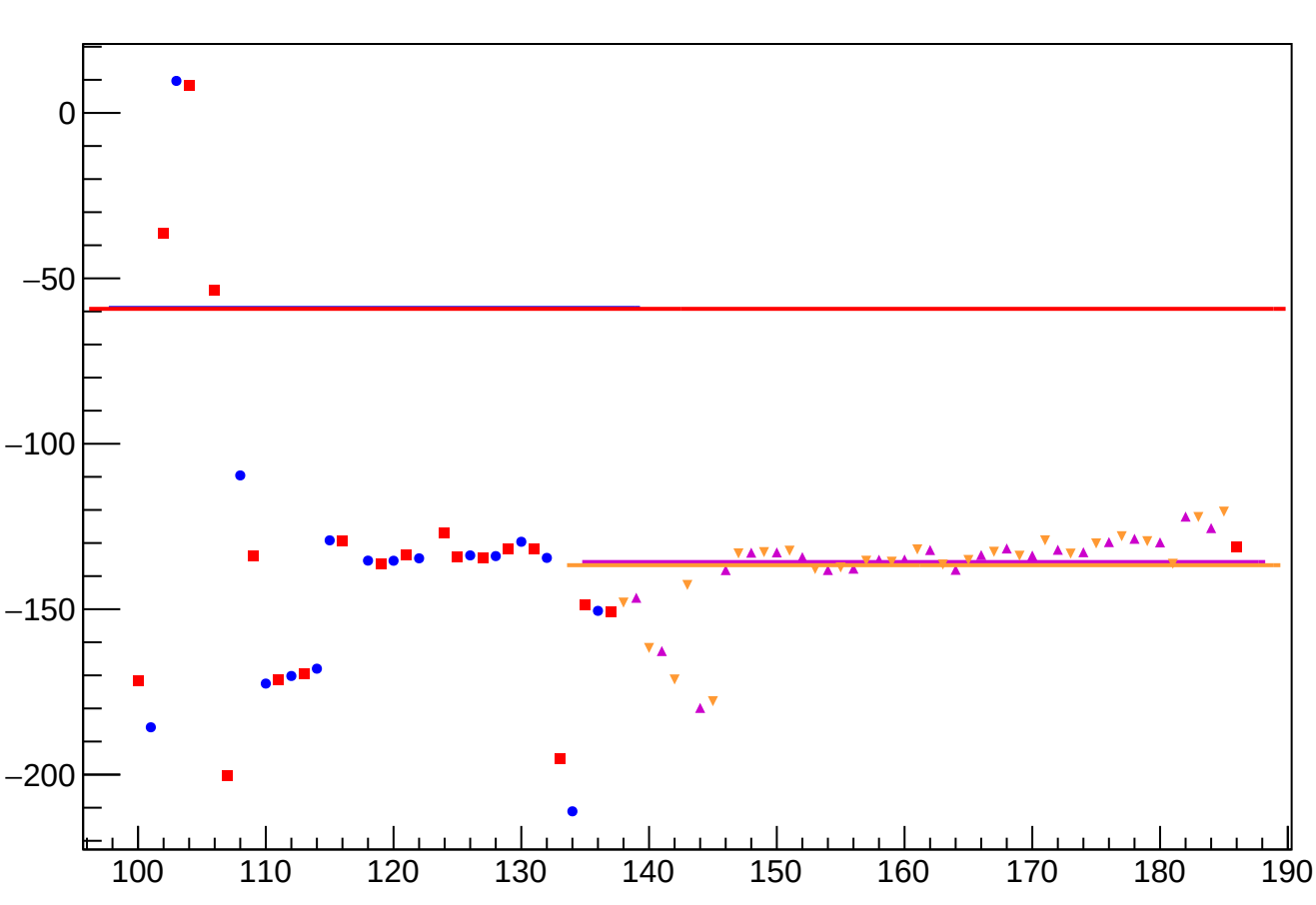
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 42.520+/-1.136 χ^2/NDF: 818.5/35

In: 58.244+/-0.818 χ^2/NDF:1179.8/38

Out: 55.882+/-0.783 χ^2/NDF:1546.3/44

All: 57.012+/-0.566 χ^2/NDF: 2730.4/83



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

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

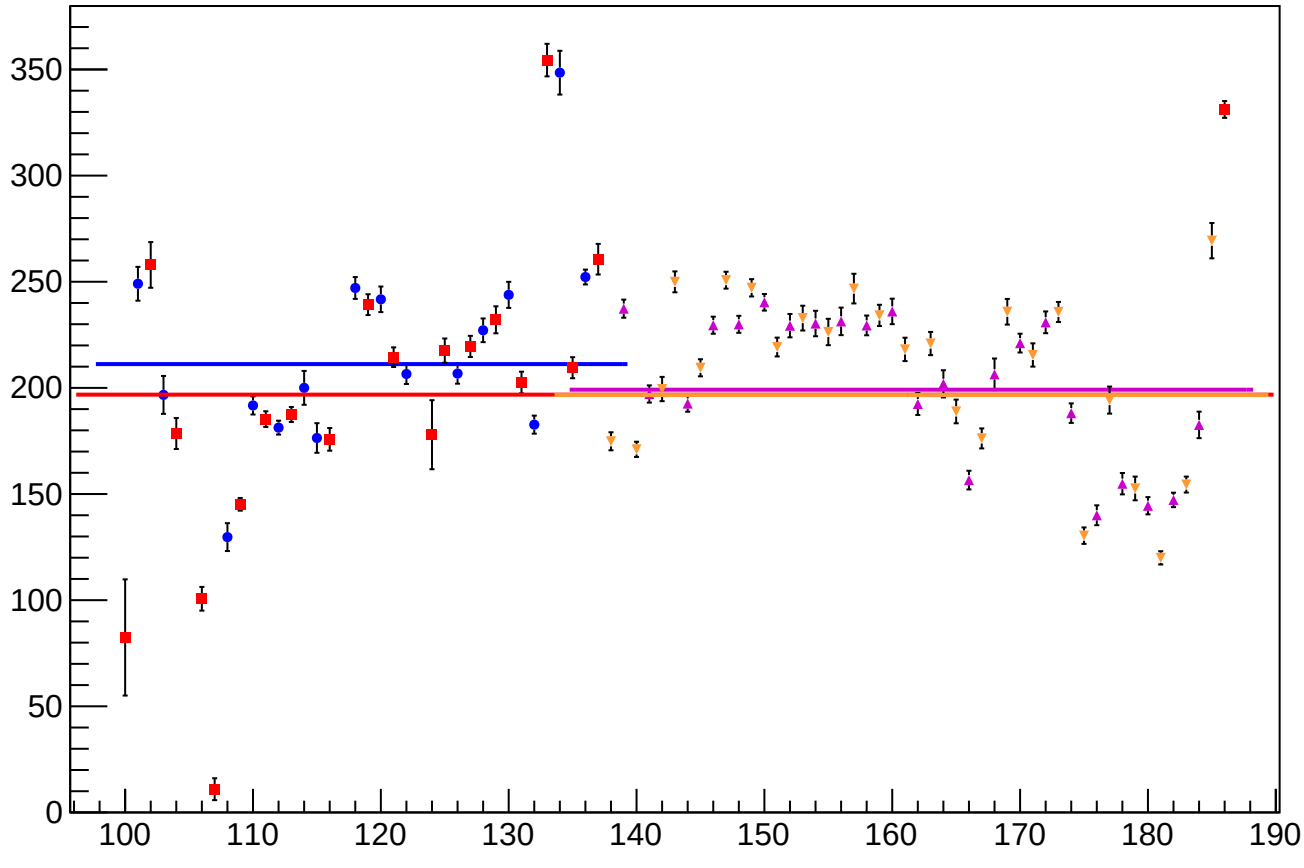
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -59.086+/-0.052 χ^2/NDF: 2121408.8/35

In: -115.940+/-0.037 χ^2/NDF:2120806.4/38

Out: -117.411+/-0.037 χ^2/NDF:1810420.0/44

All: -116.681+/-0.026 χ^2/NDF: 3932027.5/83



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

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

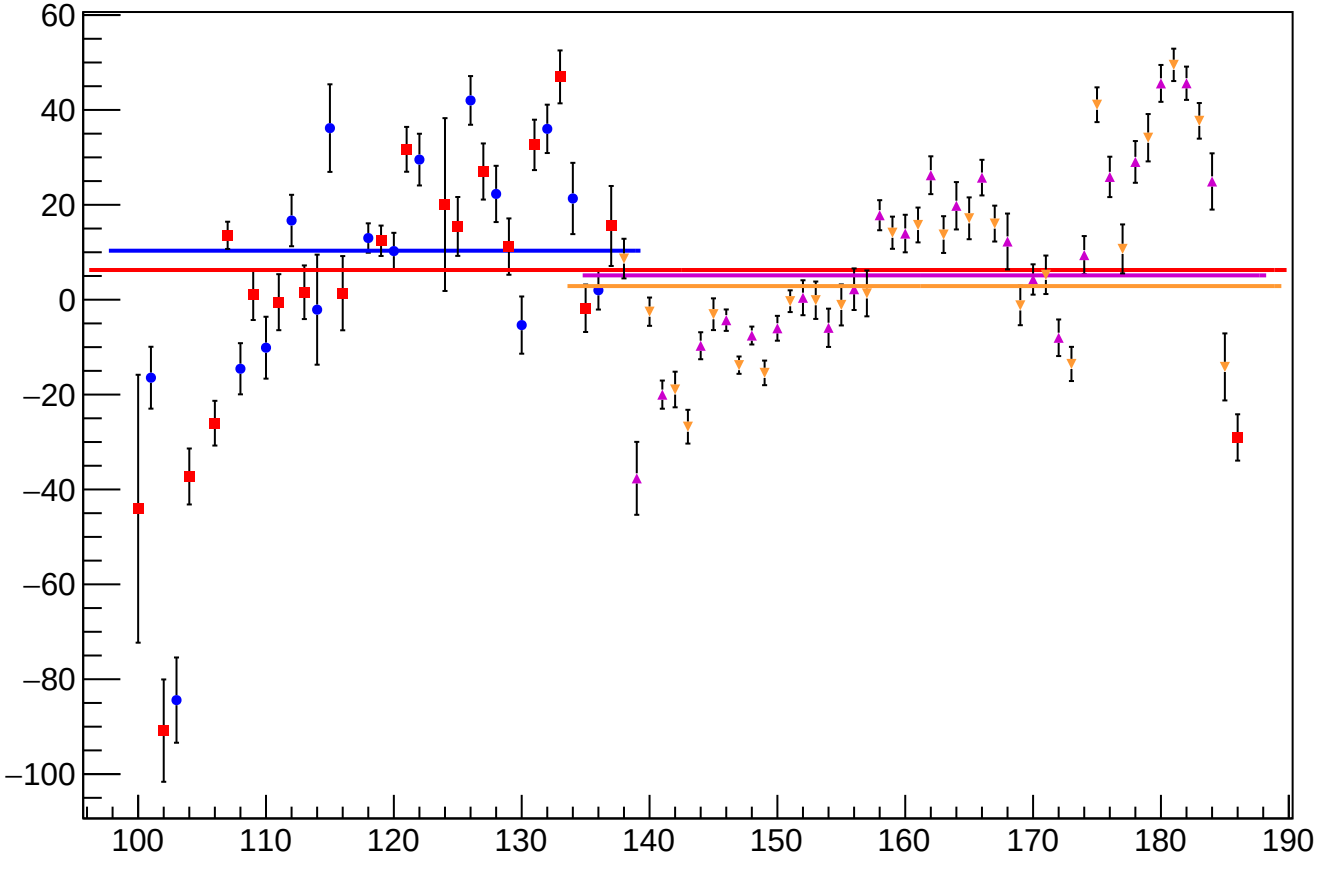
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 203.118+/-0.857 χ^2/NDF: 4647.8/35

In: 203.499+/-0.778 χ^2/NDF:2133.0/38

Out: 196.699+/-0.729 χ^2/NDF:5871.0/44

All: 199.878+/-0.532 χ^2/NDF: 8044.6/83



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 6.260+/-1.188 χ^2/NDF: 377.9/19

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

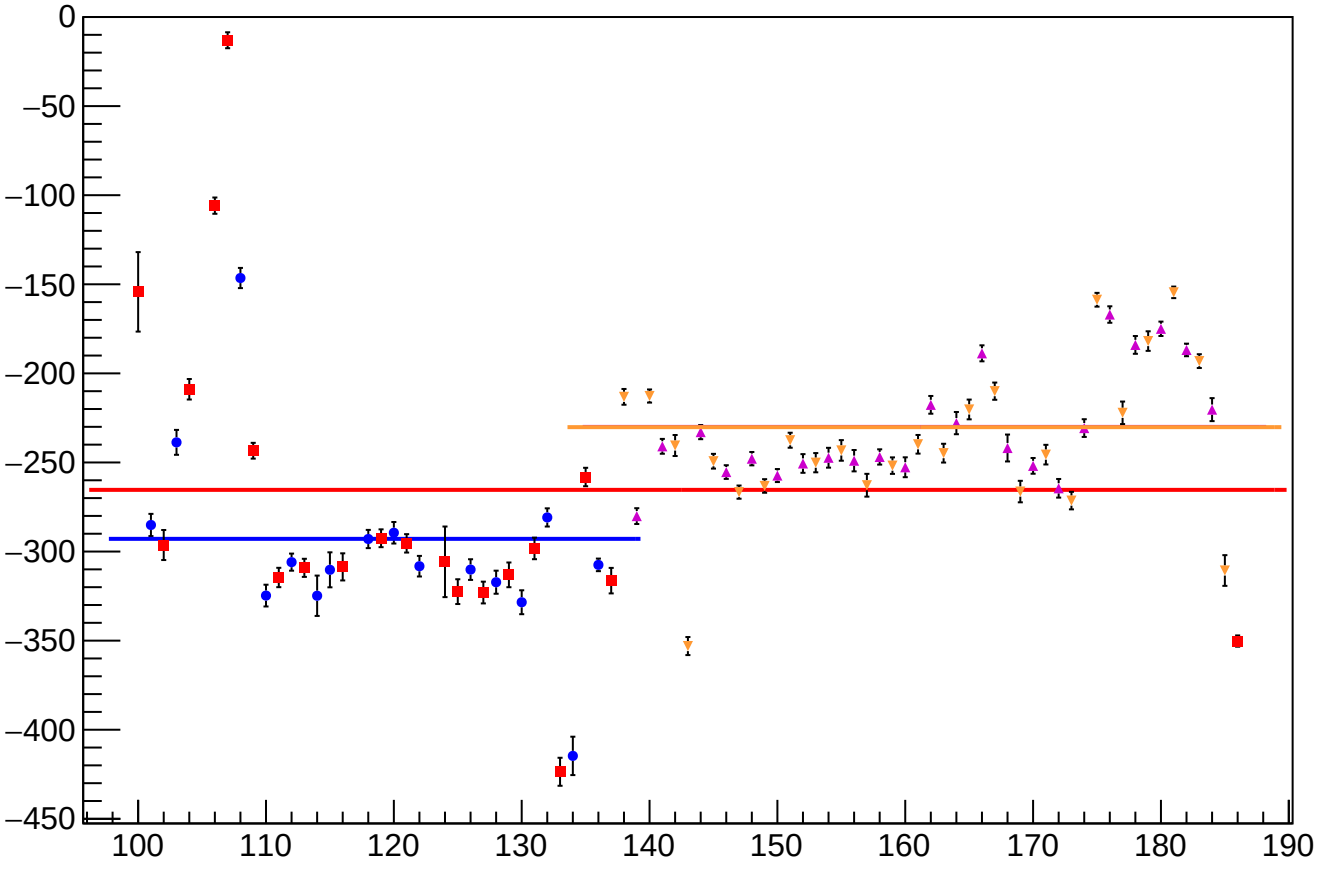
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: 8.061+/-0.887 χ^2/NDF: 646.3/35

In: 6.296+/-0.632 χ^2/NDF:903.7/38

Out: 3.731+/-0.599 χ^2/NDF:1136.7/44

All: 4.944+/-0.435 χ^2/NDF: 2049.1/83



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

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

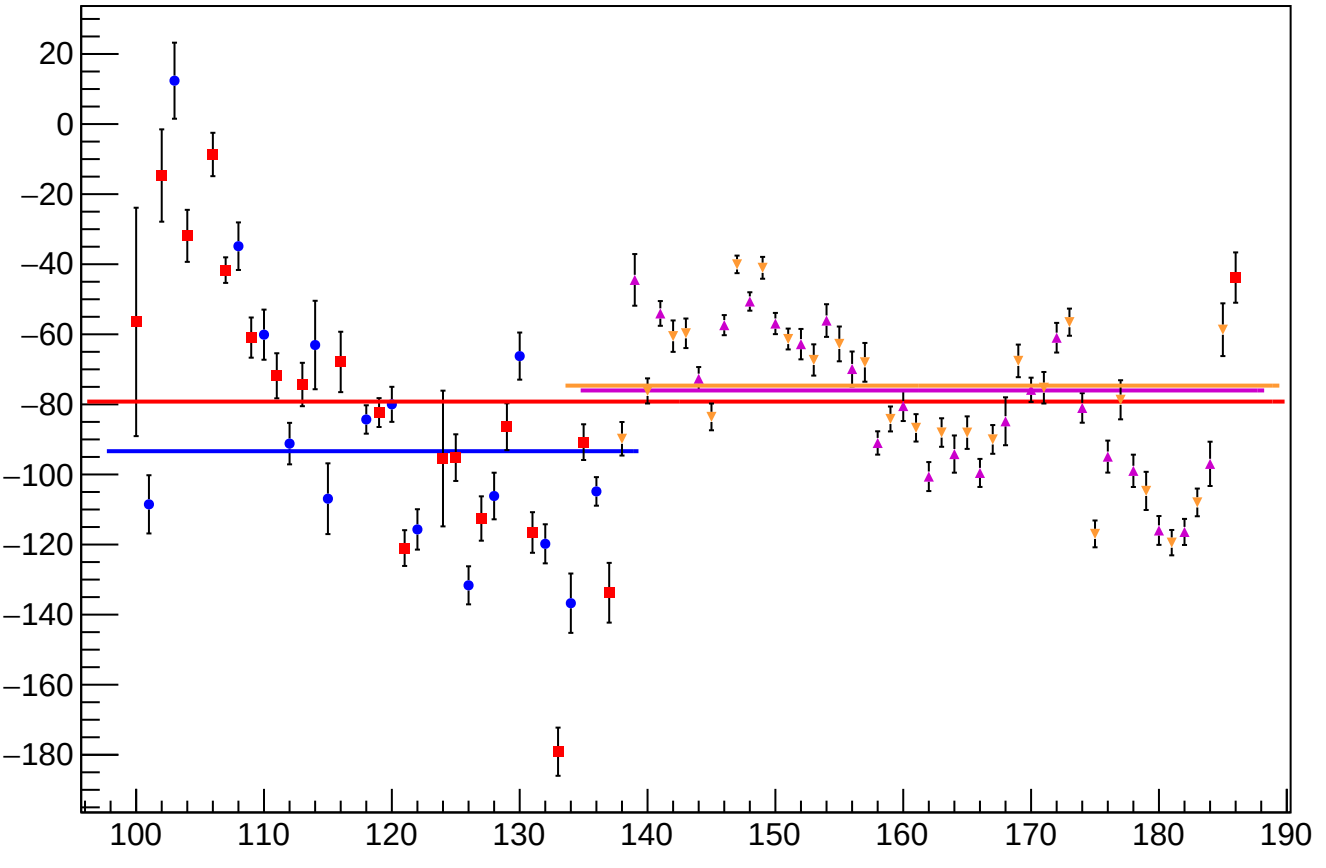
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -276.999+/-0.954 χ^2/NDF: 7414.2/35

In: -248.901+/-0.804 χ^2/NDF:3360.2/38

Out: -242.806+/-0.752 χ^2/NDF:8913.9/44

All: -245.650+/-0.549 χ^2/NDF: 12304.7/83



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

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

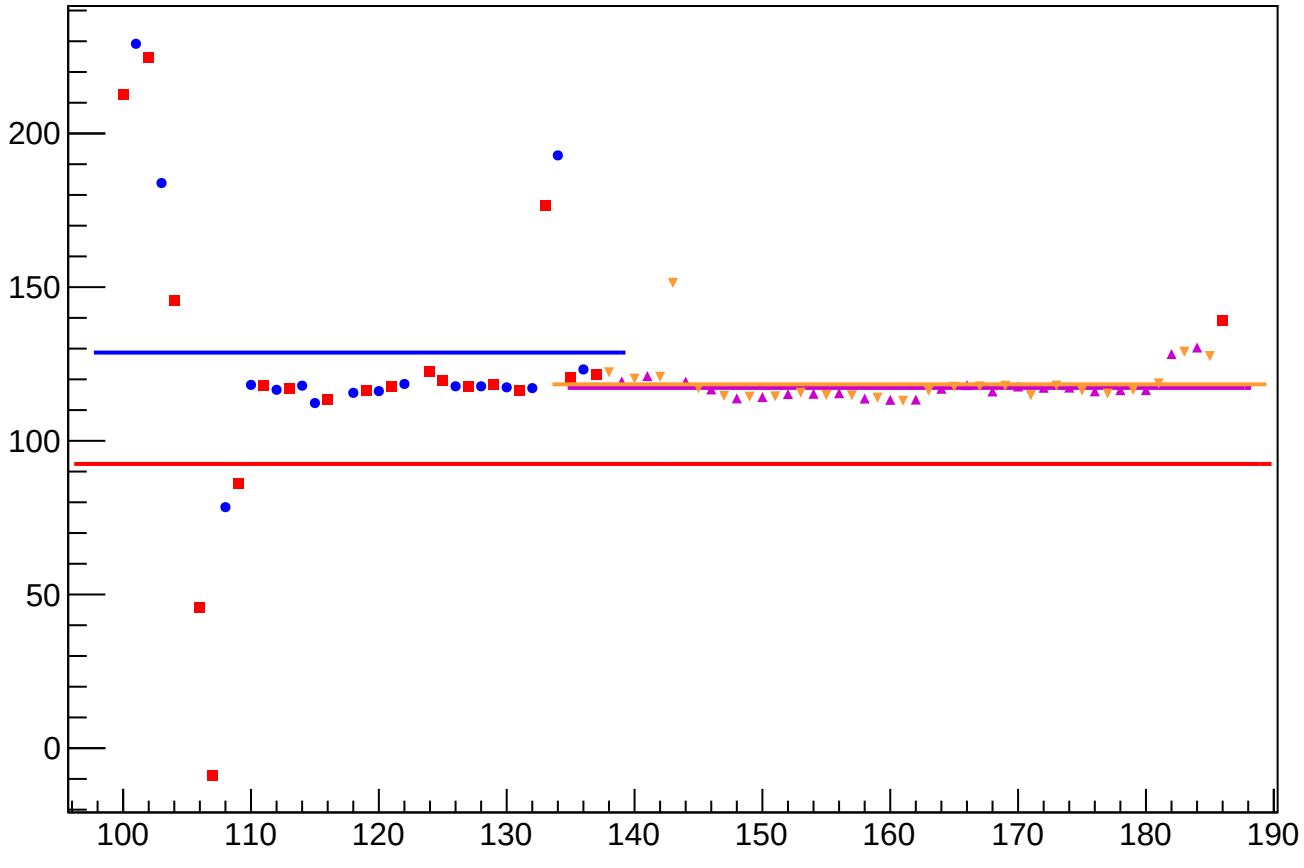
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -85.616+/-1.033 χ^2/NDF: 1142.5/35

In: -79.906+/-0.726 χ^2/NDF:1100.4/38

Out: -75.771+/-0.695 χ^2/NDF:1579.6/44

All: -77.747+/-0.502 χ^2/NDF: 2696.9/83



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

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

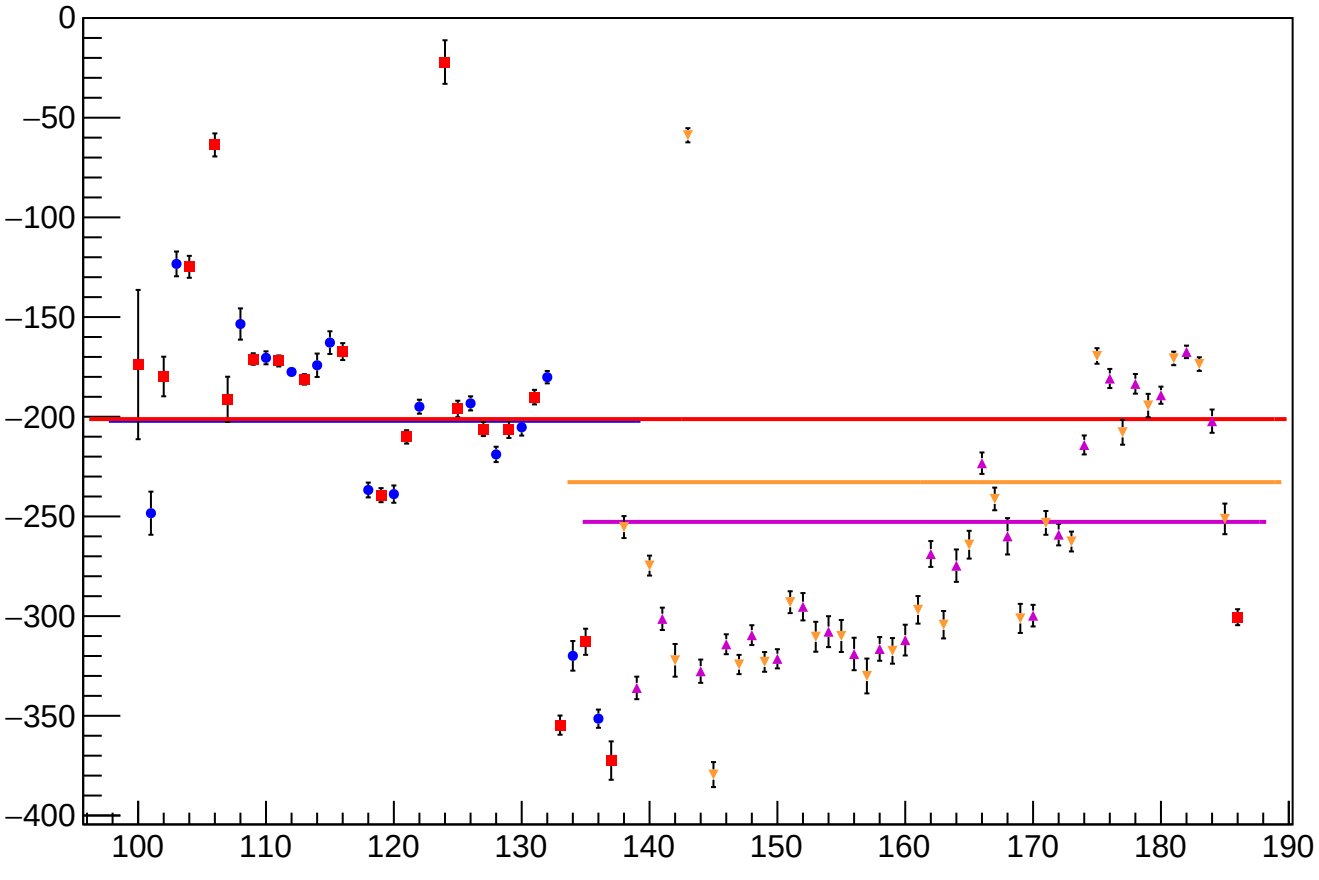
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 108.226+/-0.059 χ^2/NDF: 890223.4/35

In: 118.961+/-0.035 χ^2/NDF:207856.3/38

Out: 113.581+/-0.034 χ^2/NDF:737704.3/44

All: 116.192+/-0.024 χ^2/NDF: 957972.0/83



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

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

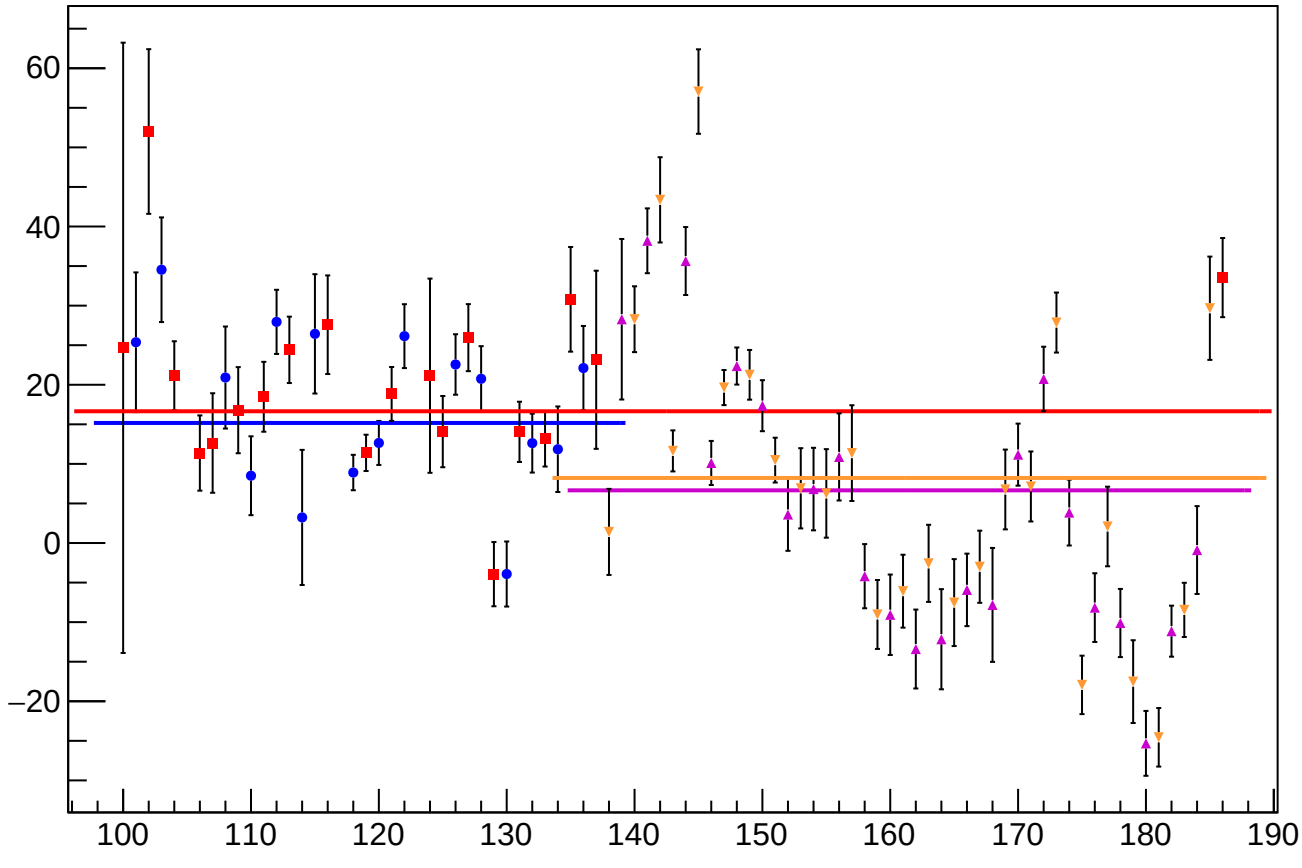
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -201.563+/-0.695 χ^2/NDF: 5791.6/35

In: -224.874+/-0.759 χ^2/NDF:6059.6/38

Out: -215.029+/-0.710 χ^2/NDF:10003.9/44

All: -219.620+/-0.518 χ^2/NDF: 16153.2/83



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

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

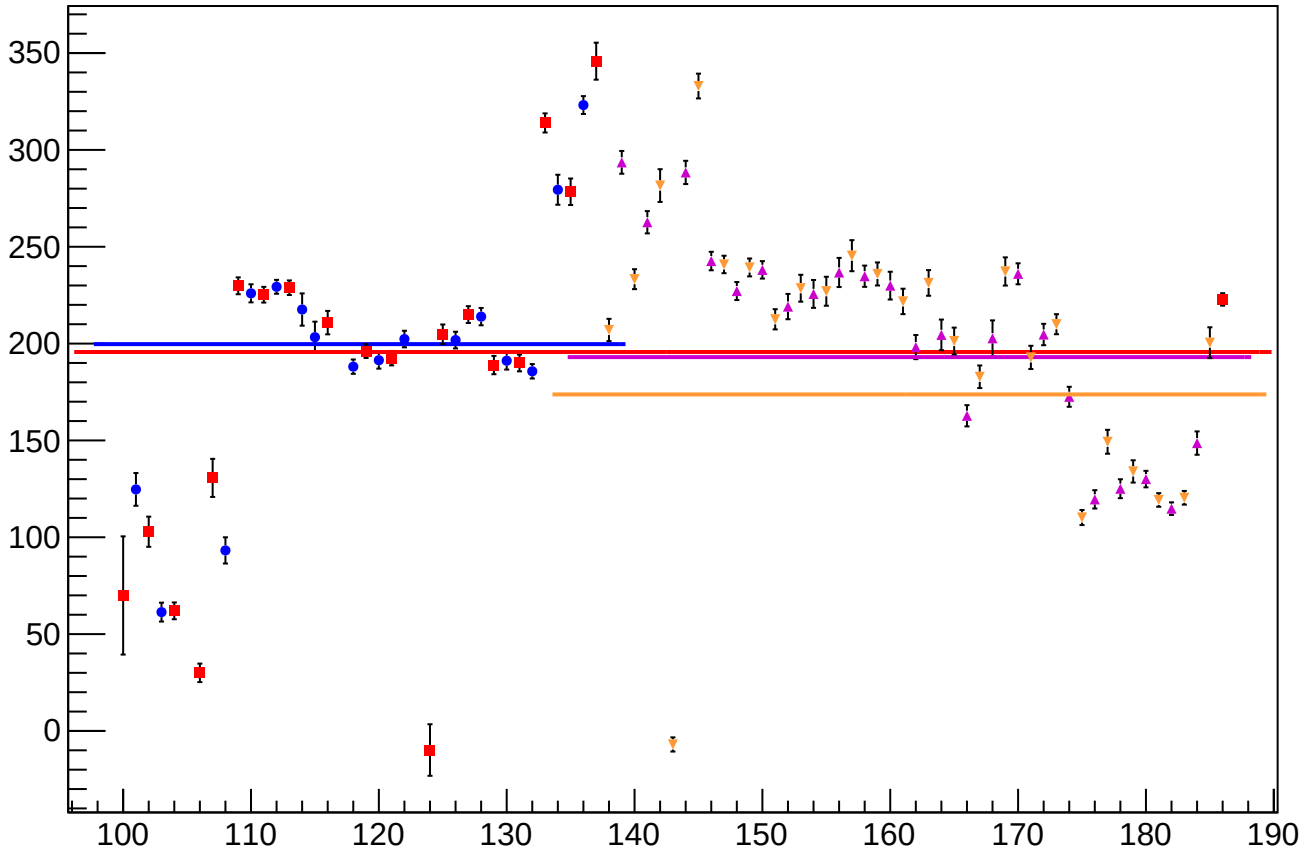
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 15.936+/-0.729 χ^2/NDF: 148.8/35

In: 10.078+/-0.664 χ^2/NDF:466.7/38

Out: 11.465+/-0.630 χ^2/NDF:575.8/44

All: 10.808+/-0.457 χ^2/NDF: 1044.8/83



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

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

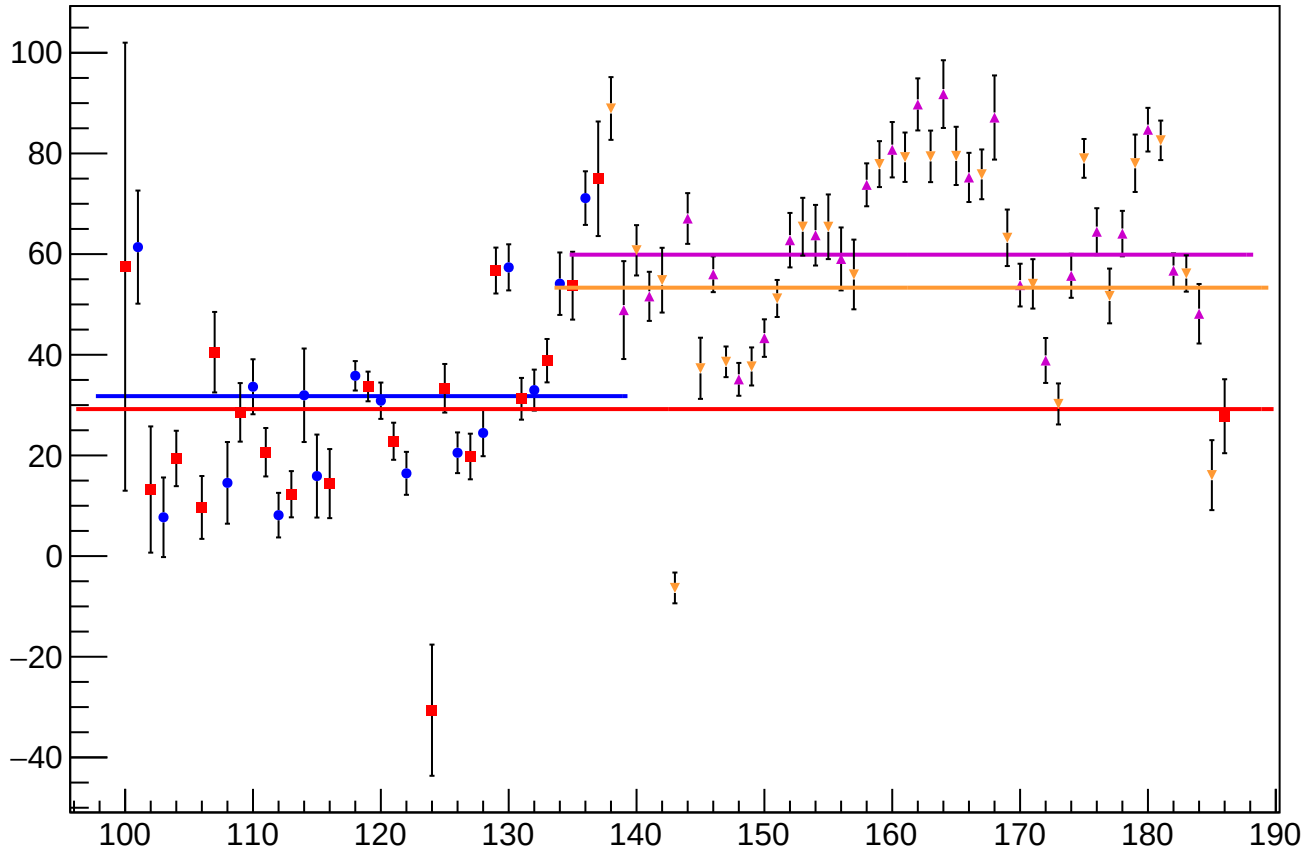
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 197.488+/-0.803 χ^2/NDF: 5966.2/35

In: 196.161+/-0.818 χ^2/NDF:4630.3/38

Out: 184.560+/-0.761 χ^2/NDF:9326.3/44

All: 189.938+/-0.557 χ^2/NDF: 14064.4/83



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

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

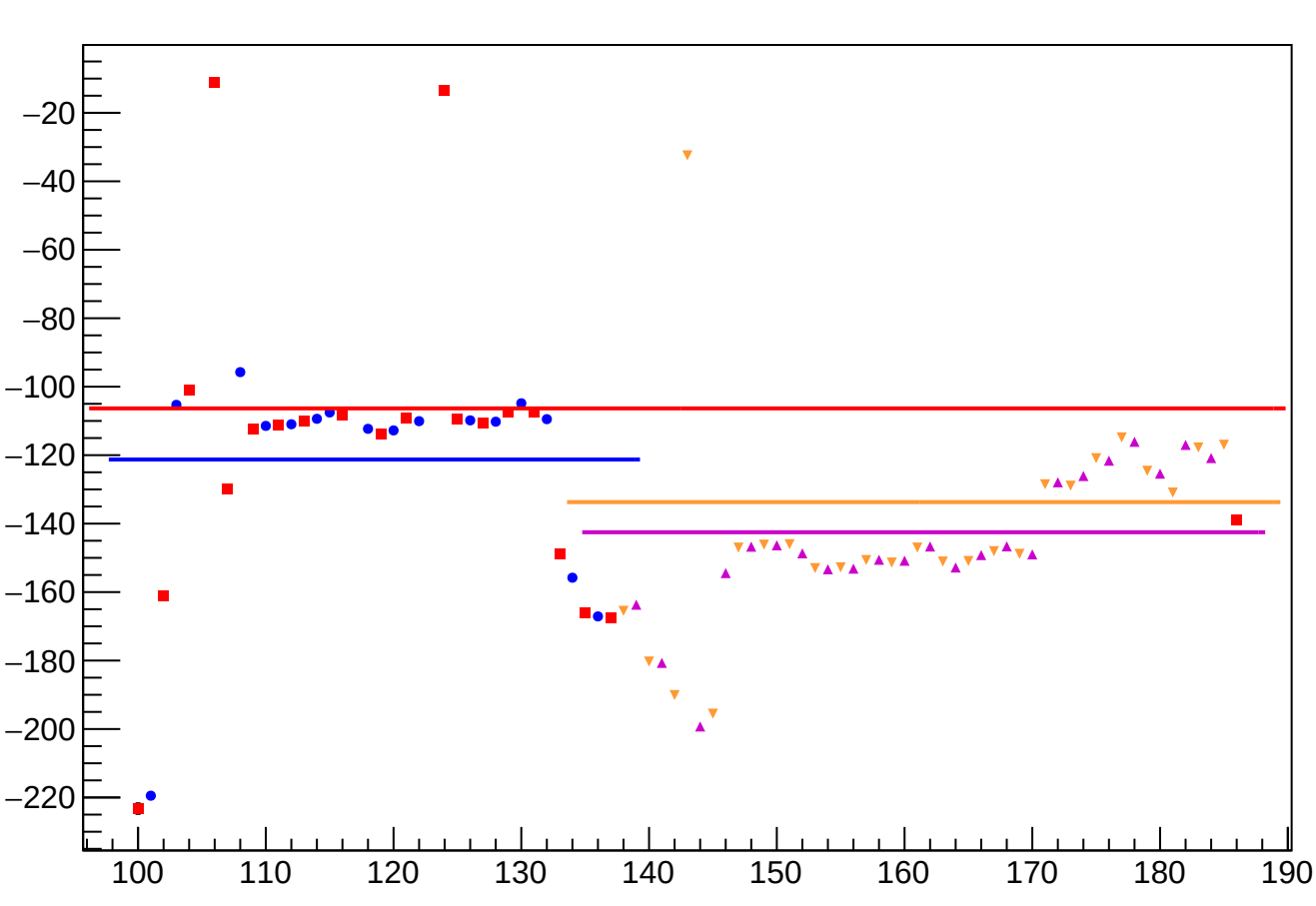
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.457+/-0.847 χ^2/NDF: 320.2/35

In: 48.870+/-0.762 χ^2/NDF:752.7/38

Out: 44.200+/-0.727 χ^2/NDF:1179.1/44

All: 46.425+/-0.526 χ^2/NDF: 1951.5/83



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

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

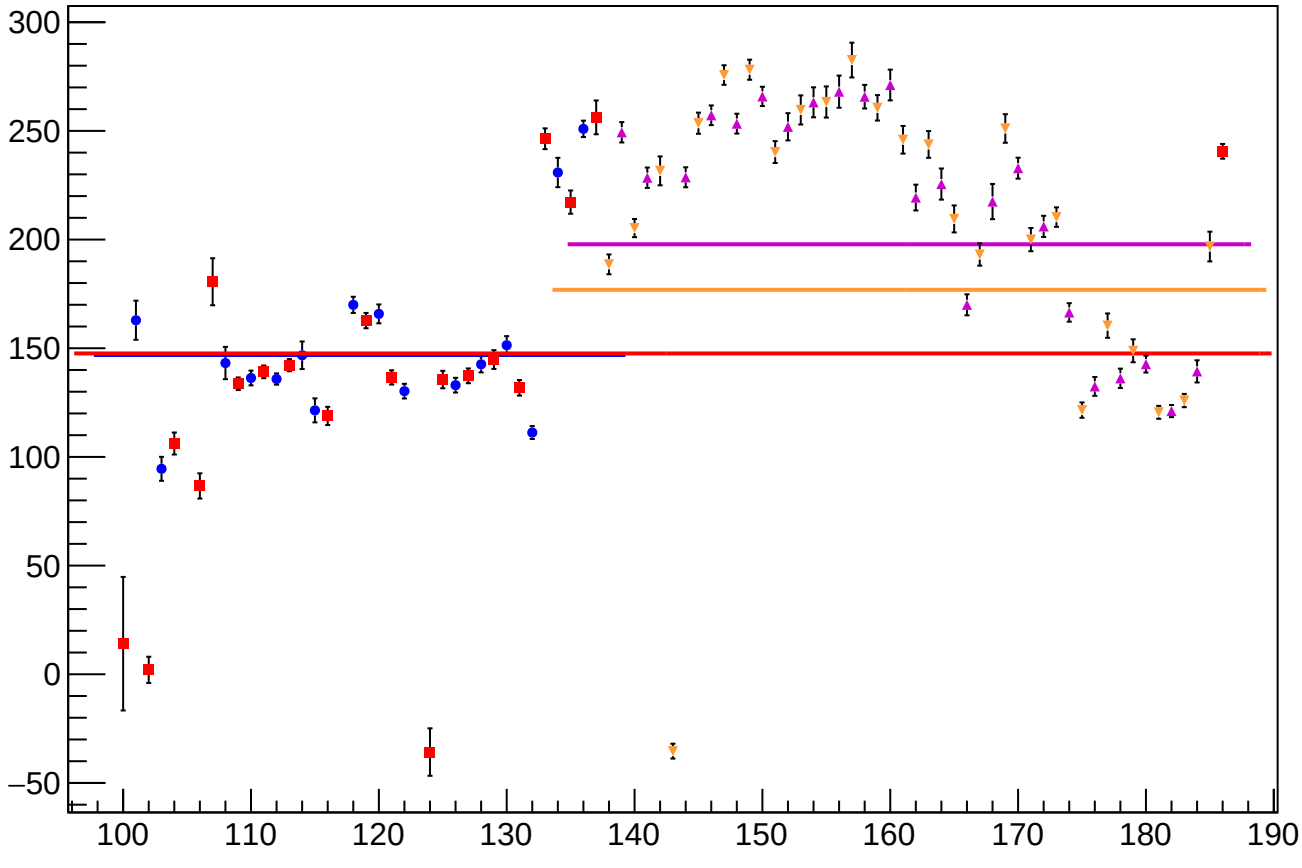
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -113.287+/-0.054 χ^2/NDF: 497490.4/35

In: -137.436+/-0.039 χ^2/NDF:352621.8/38

Out: -126.831+/-0.037 χ^2/NDF:1137655.8/44

All: -131.899+/-0.027 χ^2/NDF: 1529401.2/83



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

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

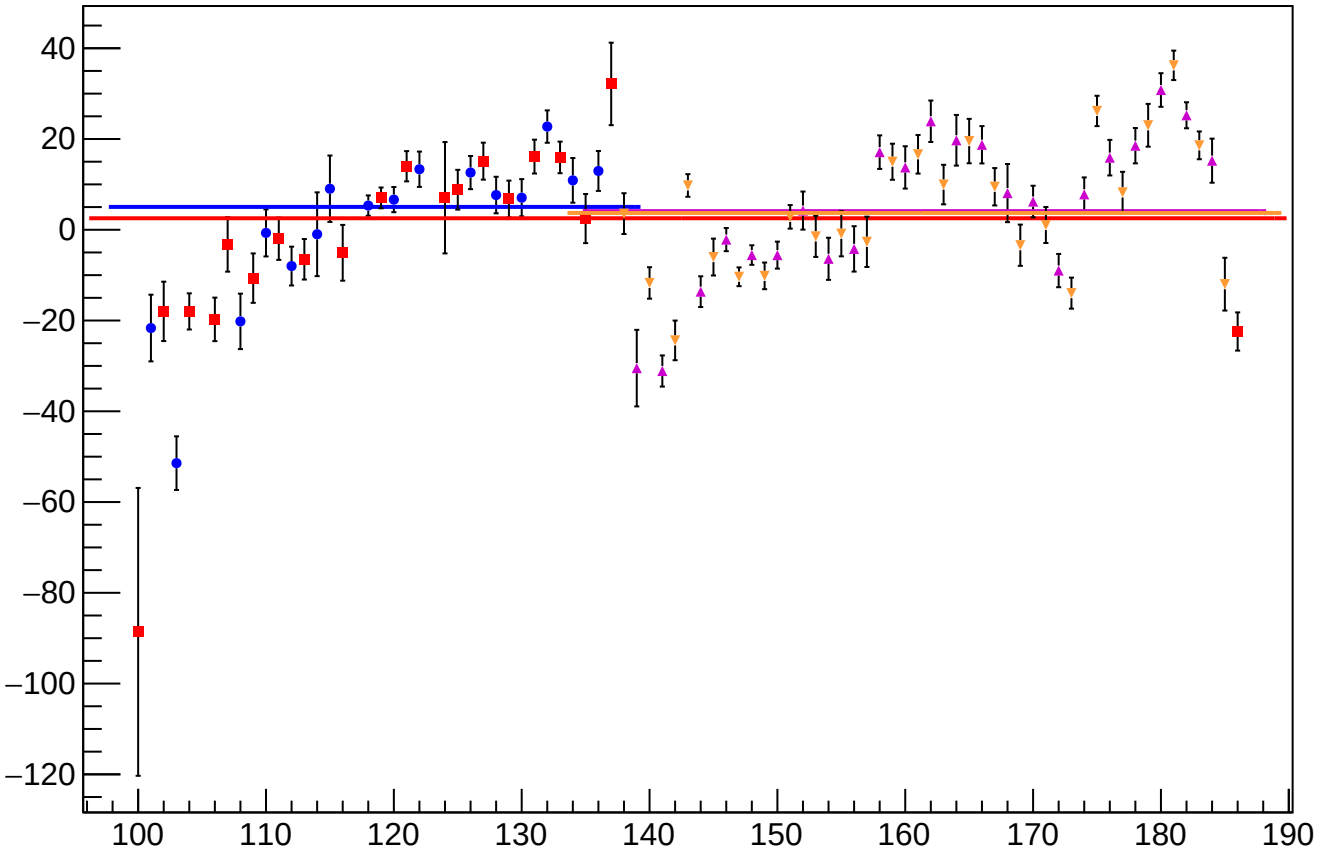
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 147.283+/-0.680 χ^2/NDF: 4064.7/35

In: 172.295+/-0.710 χ^2/NDF:5554.4/38

Out: 161.717+/-0.665 χ^2/NDF:10671.5/44

All: 166.656+/-0.485 χ^2/NDF: 16344.2/83



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

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

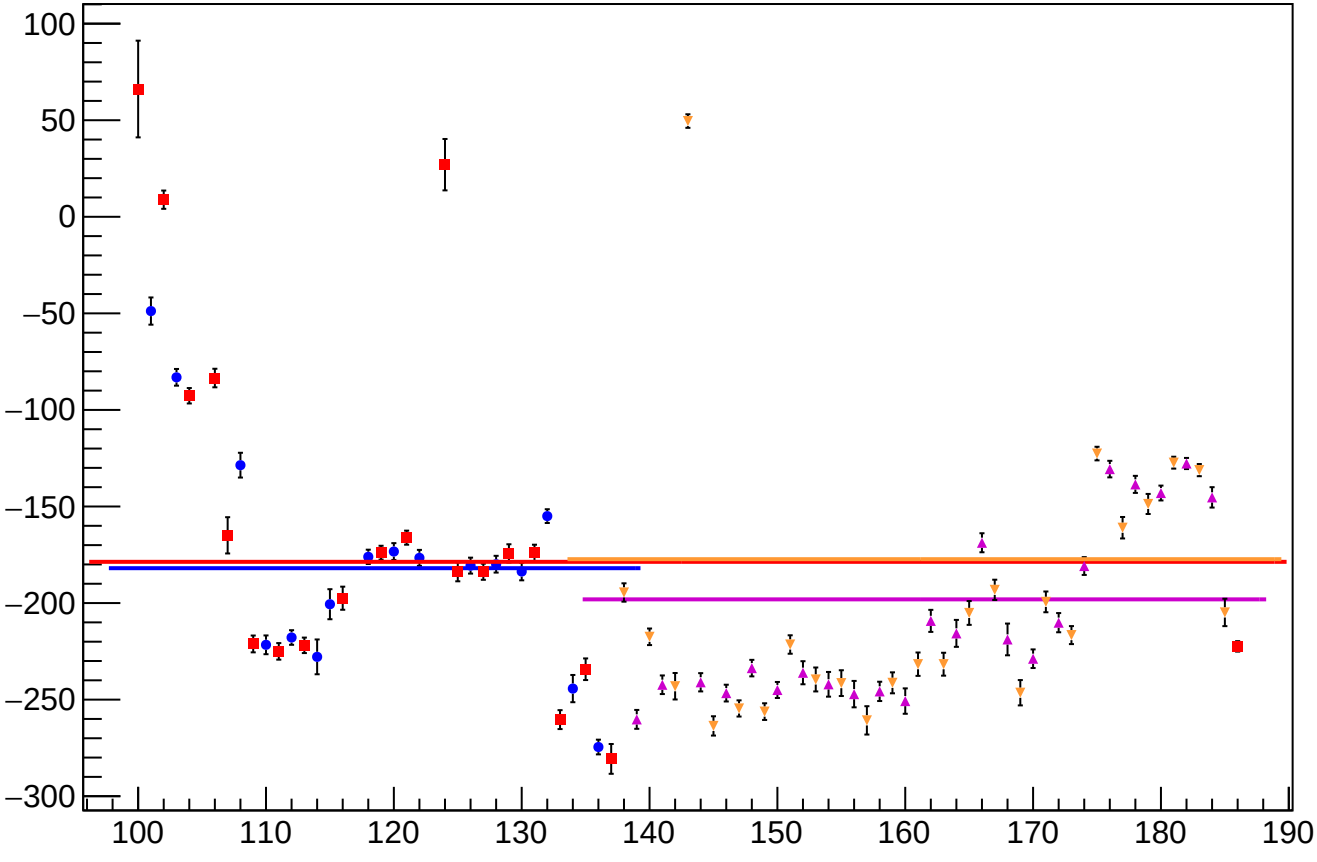
Right: 3.739+/-0.708 χ^2/NDF: 357.0/35

In: 4.441+/-0.614 χ^2/NDF:571.3/38

Out: 3.296+/-0.583 χ^2/NDF:583.9/44

All: 3.838+/-0.423 χ^2/NDF: 1157.1/83

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -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

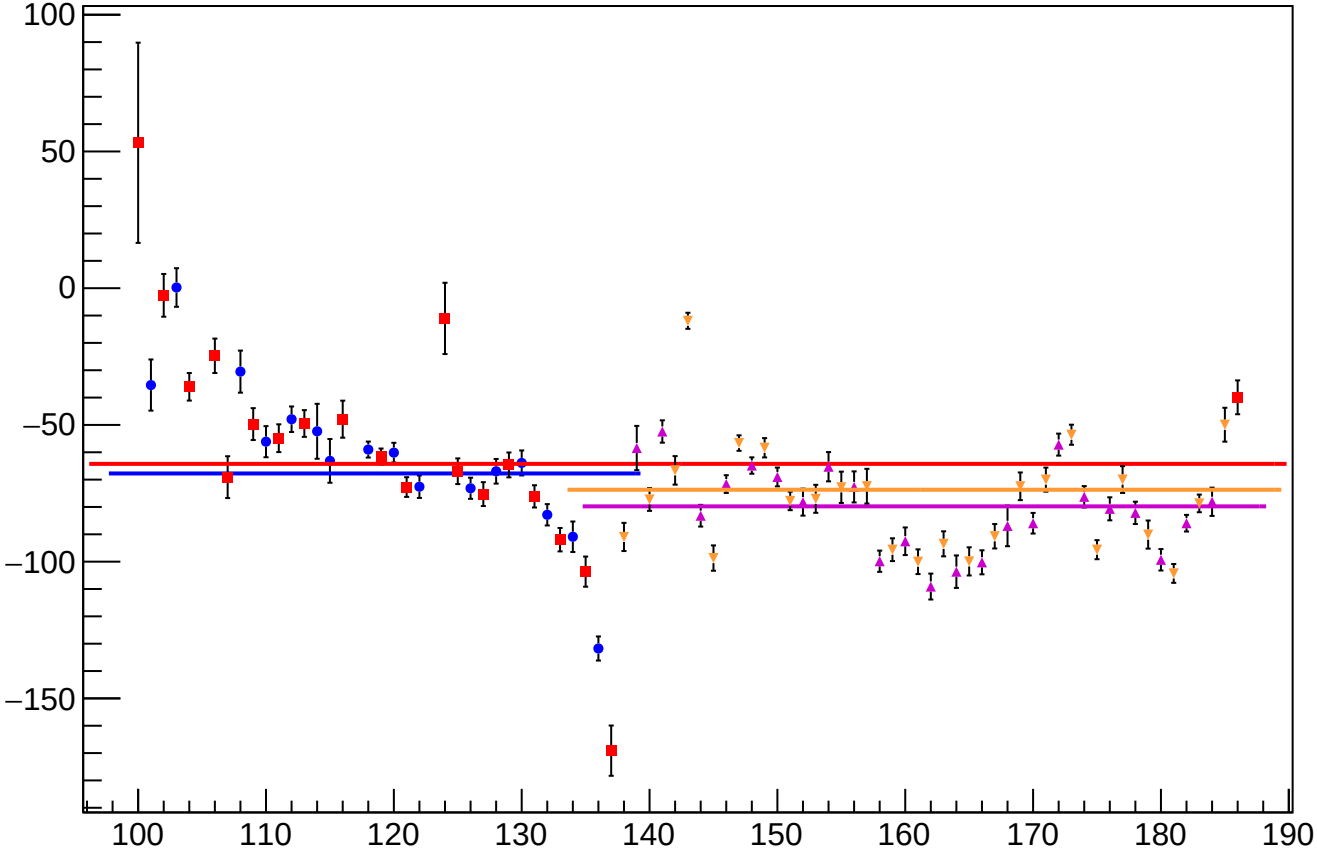
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -180.108+/-0.767 χ^2/NDF: 5809.4/35

In: -191.165+/-0.756 χ^2/NDF:4368.4/38

Out: -177.917+/-0.700 χ^2/NDF:10975.4/44

All: -184.035+/-0.514 χ^2/NDF: 15509.2/83



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

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

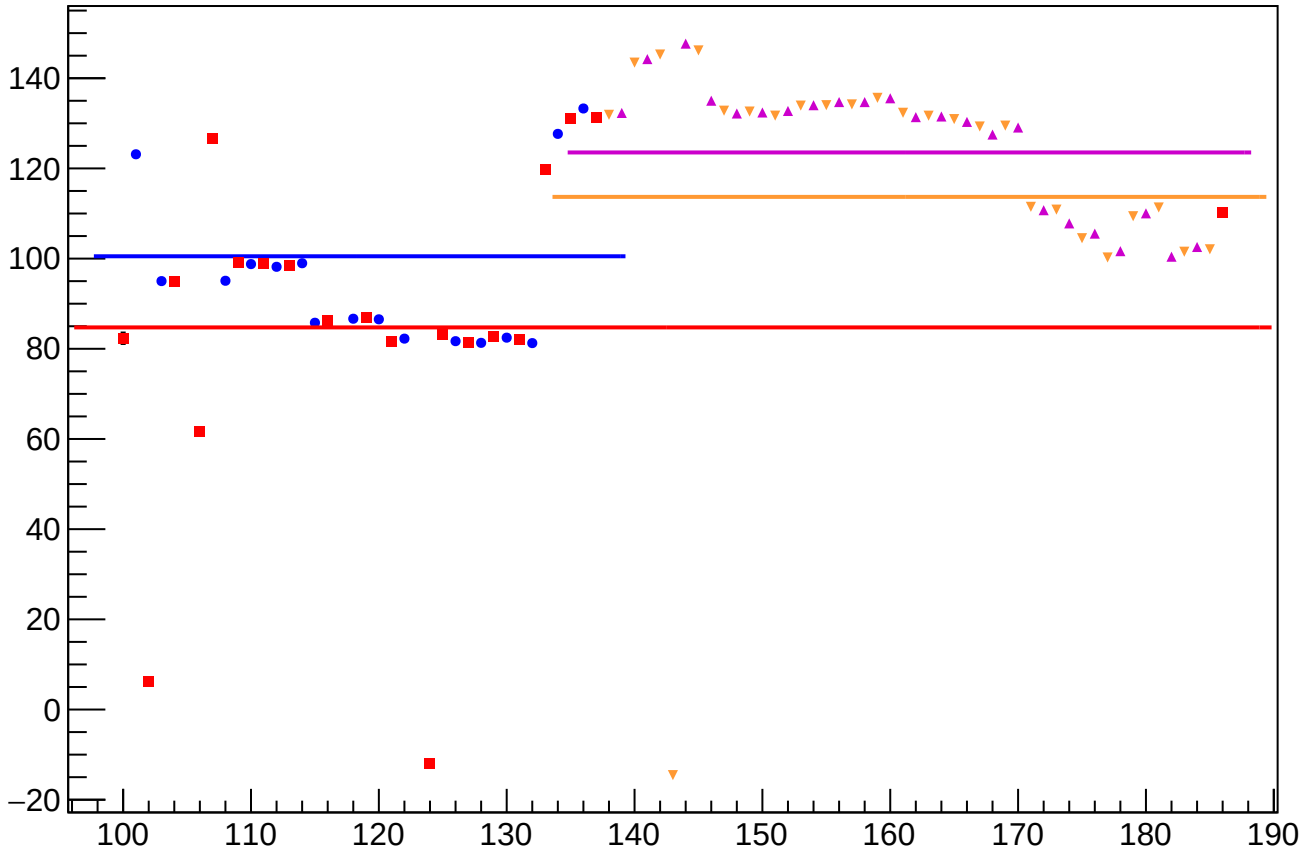
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -65.941+/-0.823 χ^2/NDF: 863.6/35

In: -75.520+/-0.703 χ^2/NDF:758.2/38

Out: -70.457+/-0.672 χ^2/NDF:1329.4/44

All: -72.874+/-0.485 χ^2/NDF: 2114.7/83



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

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

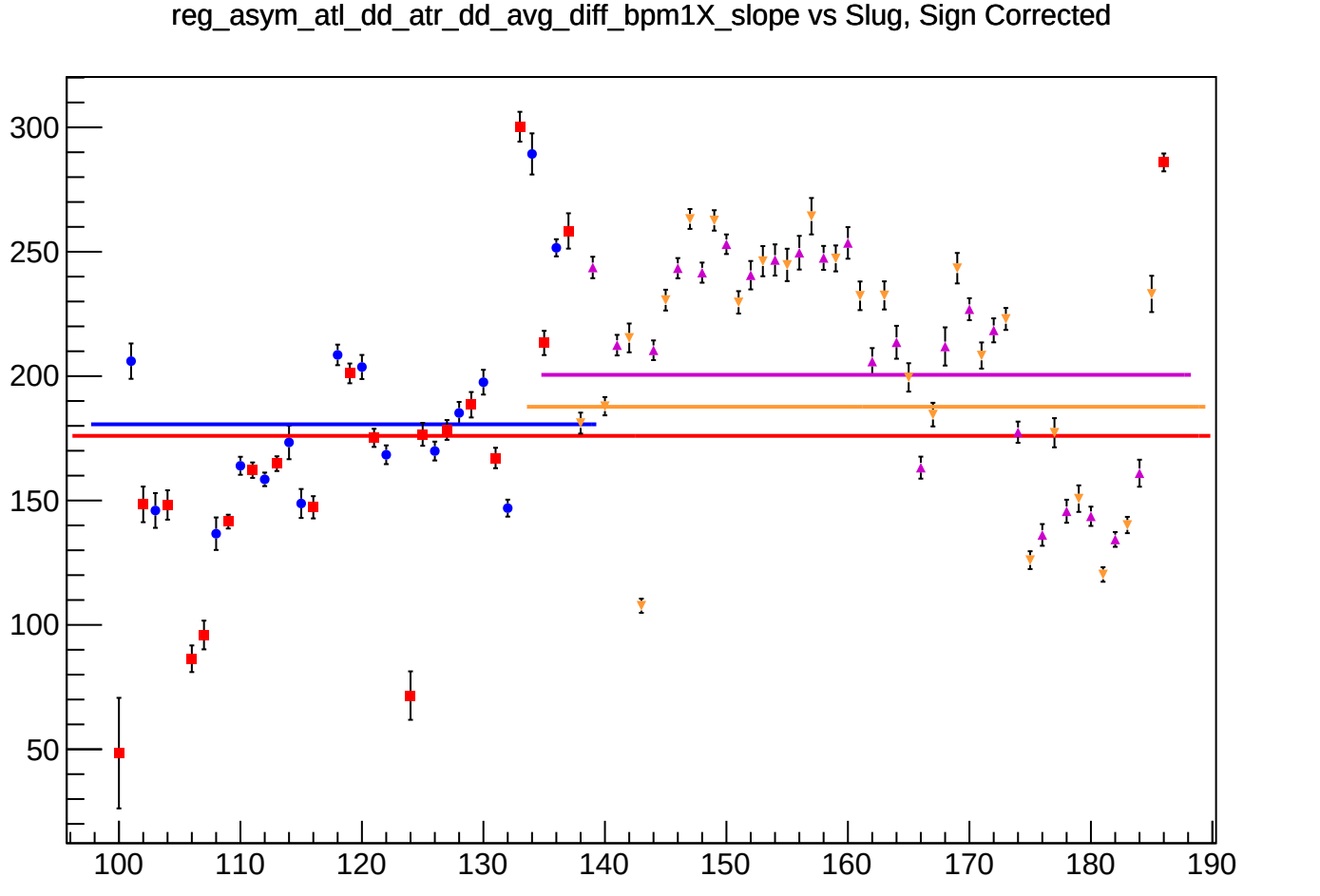
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

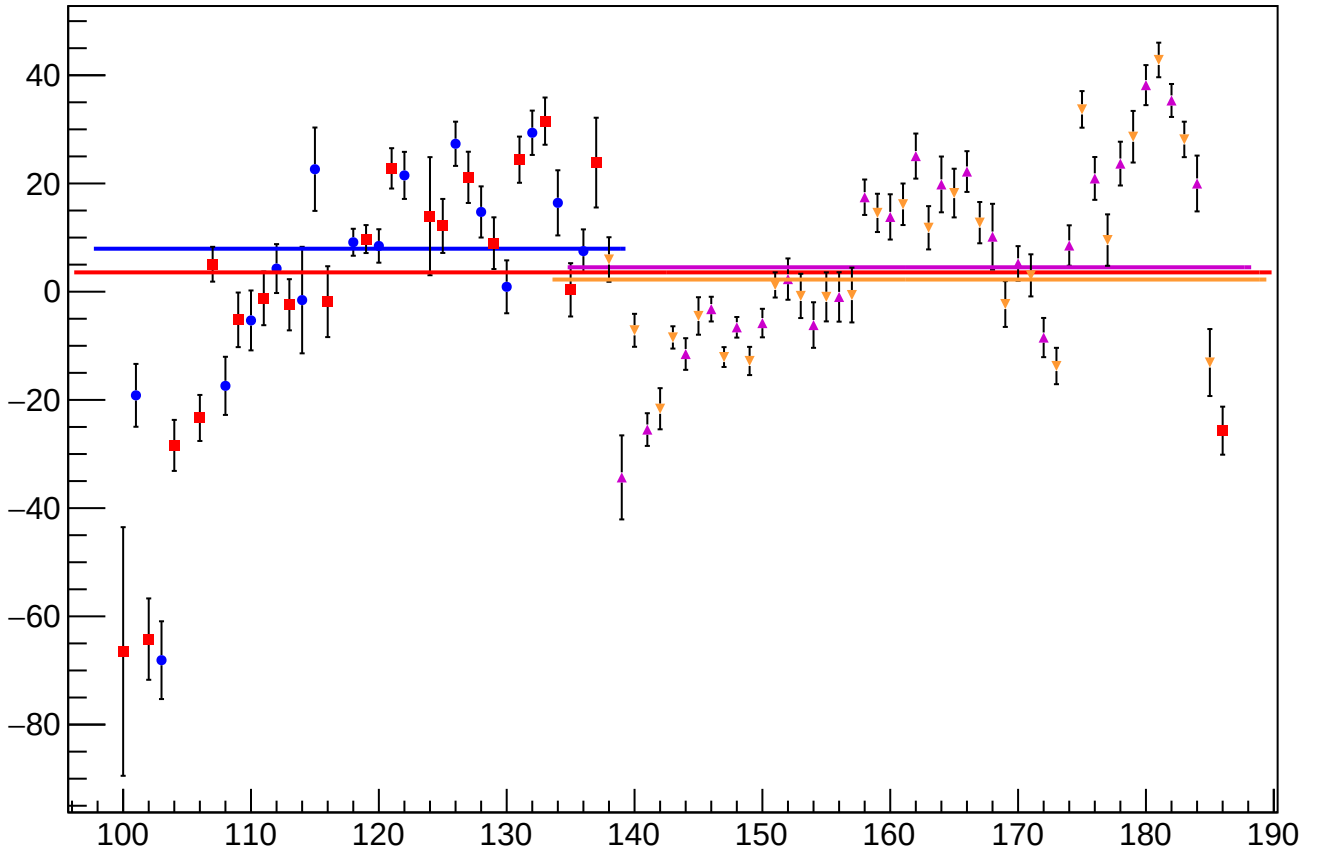
Right: 92.010+/-0.050 χ^2/NDF: 359180.1/35

In: 118.406+/-0.035 χ^2/NDF:277358.0/38

Out: 106.757+/-0.033 χ^2/NDF:1366670.3/44

All: 112.331+/-0.024 χ^2/NDF: 1702050.8/83


reg_asym_atl_dd_atr_dd_avg_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: 180.634+/-1.090 χ²/NDF: 993.4/15
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: 178.073+/-0.729 χ²/NDF: 3501.7/35
In: 191.881+/-0.718 χ²/NDF:3293.2/38
Out: 182.360+/-0.662 χ²/NDF:6103.8/44
All: 186.737+/-0.487 χ²/NDF: 9492.0/83



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

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

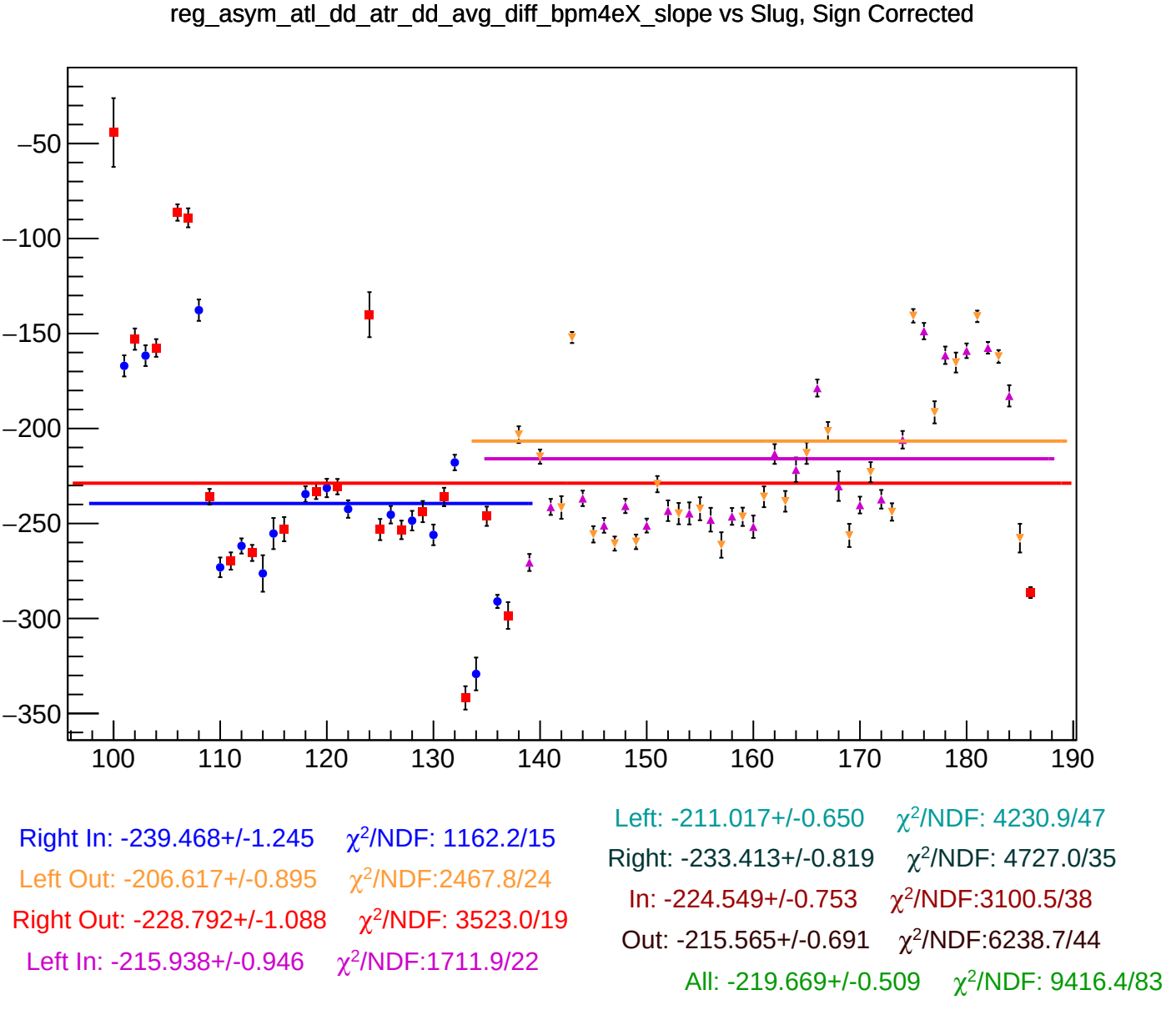
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 5.592+/-0.757 χ^2/NDF: 590.1/35

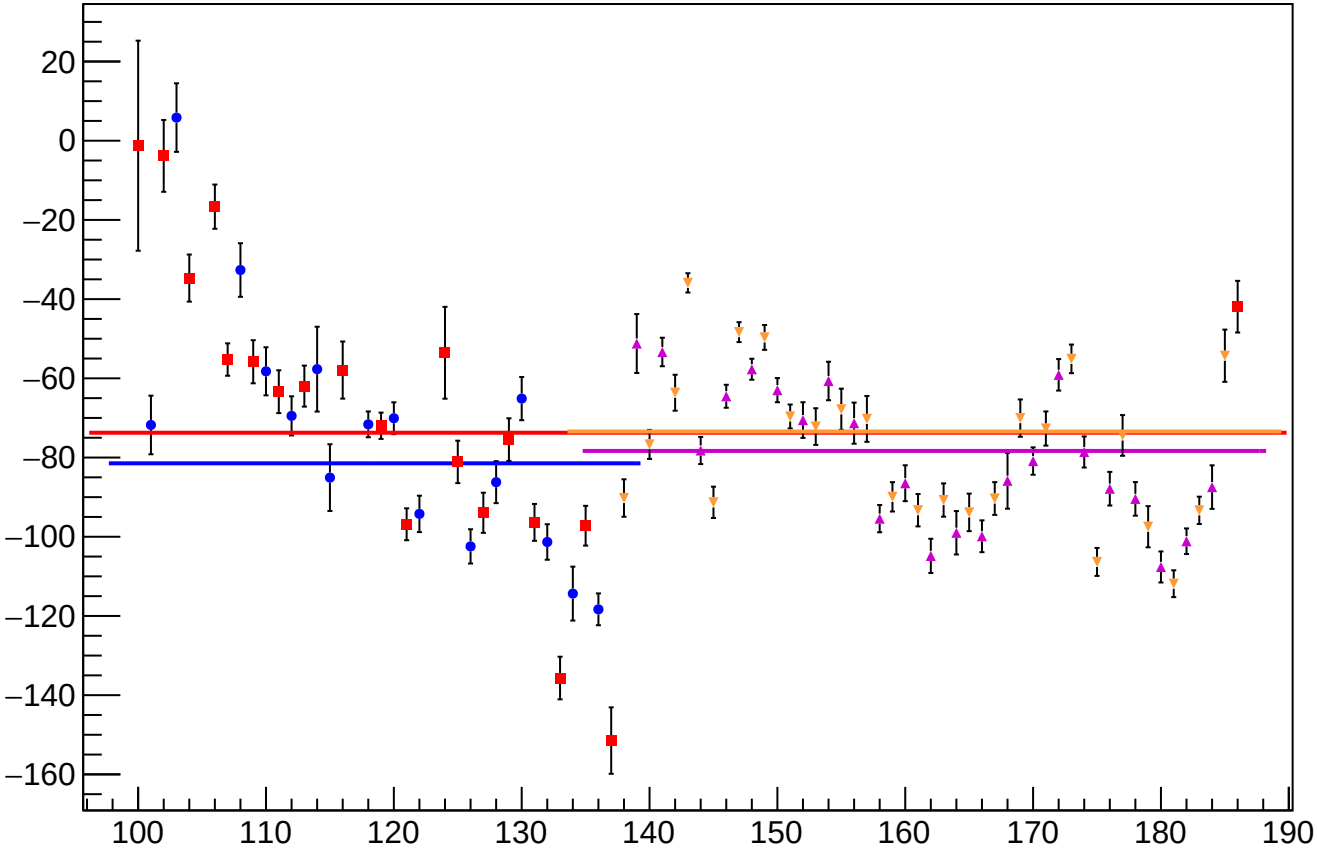
In: 5.512+/-0.601 χ^2/NDF:786.8/38

Out: 2.633+/-0.559 χ^2/NDF:950.9/44

All: 3.968+/-0.409 χ^2/NDF: 1750.0/83


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: -239.468+/-1.245 χ2/NDF: 1162.2/15
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: -233.413+/-0.819 χ2/NDF: 4727.0/35
In: -224.549+/-0.753 χ2/NDF:3100.5/38
Out: -215.565+/-0.691 χ2/NDF:6238.7/44
All: -219.669+/-0.509 χ2/NDF: 9416.4/83

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -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

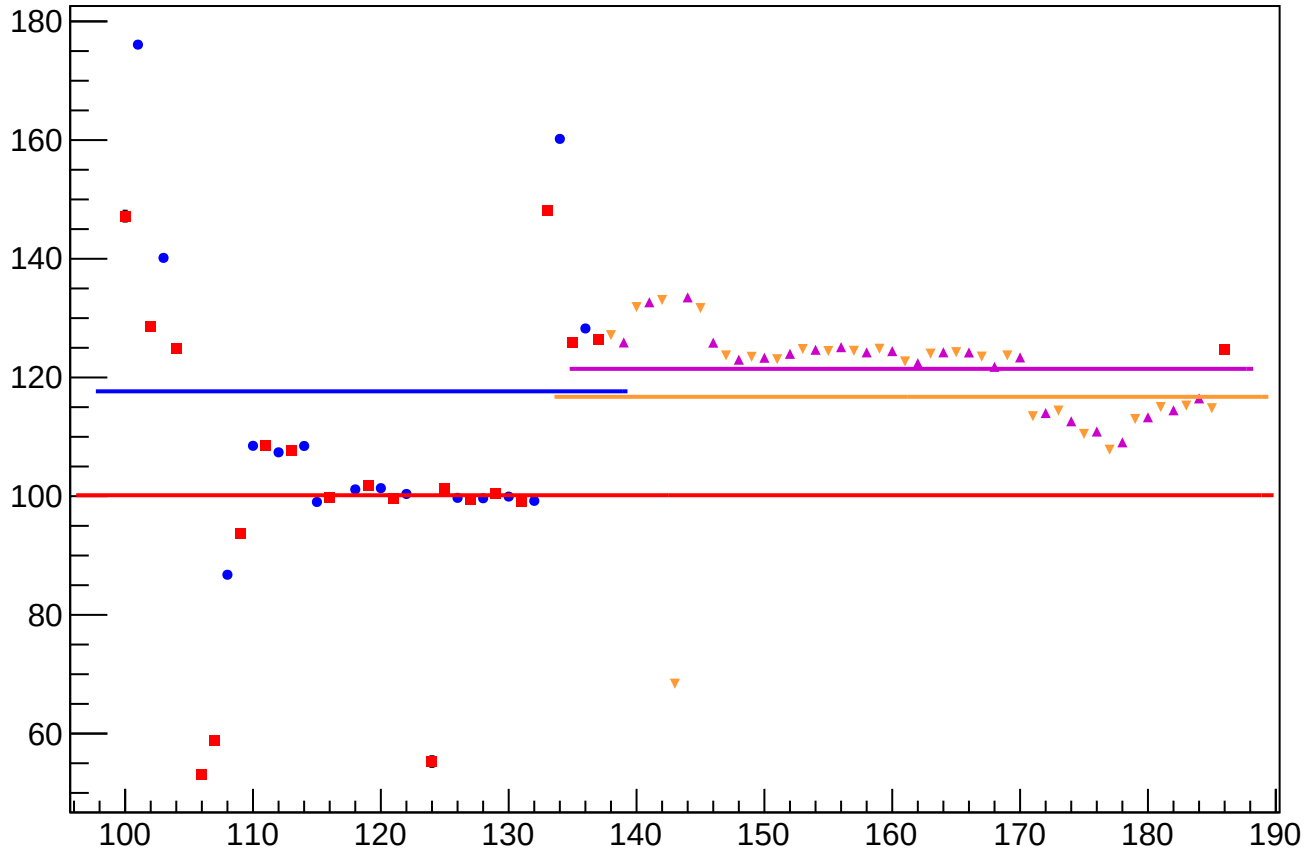
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -77.355+/-0.881 χ^2/NDF: 986.9/35

In: -79.230+/-0.690 χ^2/NDF:814.0/38

Out: -73.514+/-0.648 χ^2/NDF:1437.8/44

All: -76.191+/-0.472 χ^2/NDF: 2288.3/83



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

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

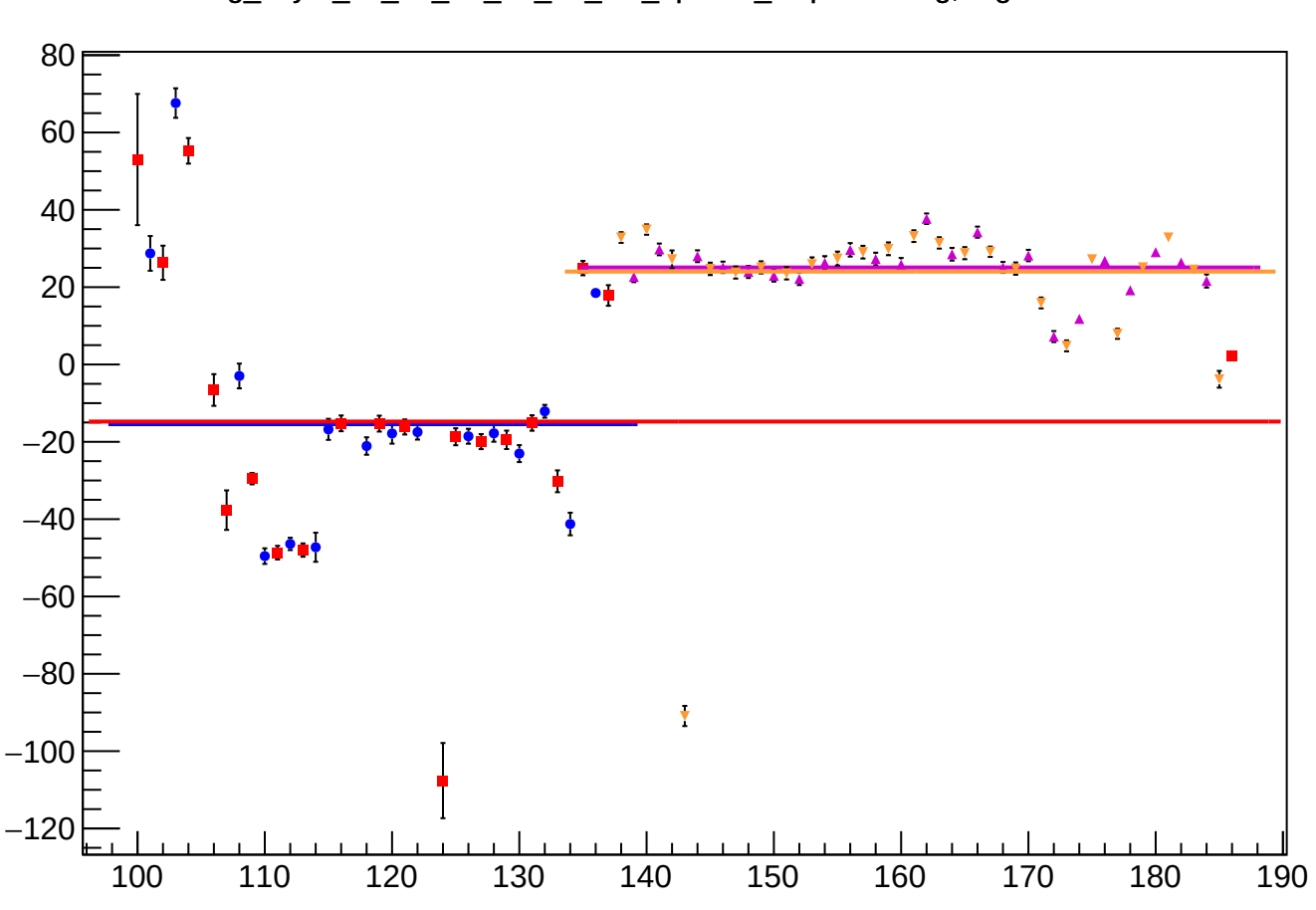
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 107.881+/-0.052 χ^2/NDF: 292412.8/35

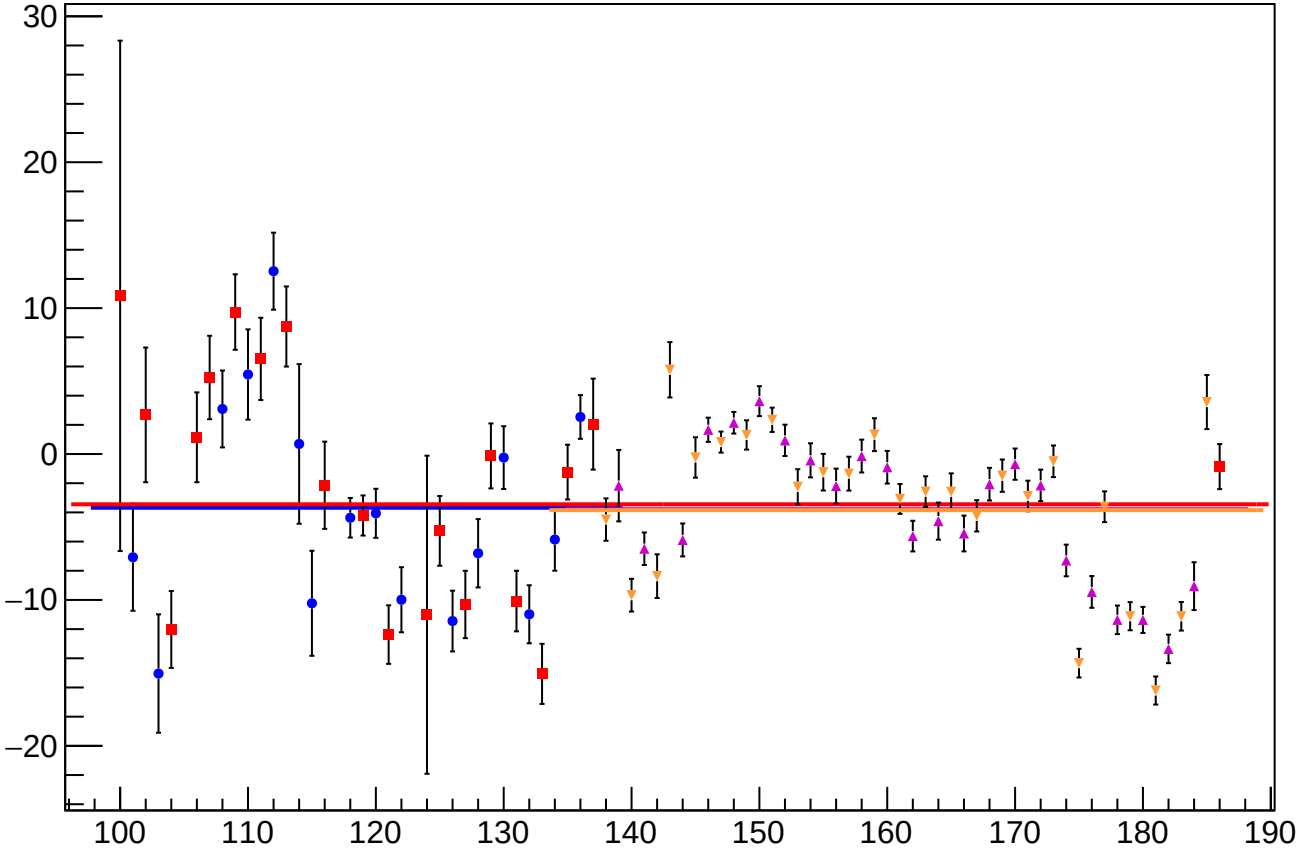
In: 120.755+/-0.034 χ^2/NDF:126104.8/38

Out: 113.262+/-0.032 χ^2/NDF:417650.5/44

All: 116.802+/-0.023 χ^2/NDF: 569915.2/83


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 24.025+/-0.282 χ²/NDF:2802.2/24
Right Out: -14.757+/-0.487 χ²/NDF: 2345.9/19
Left In: 25.089+/-0.287 χ²/NDF:495.3/22
Left: 24.547+/-0.201 χ²/NDF: 3304.5/47
Right: -15.063+/-0.361 χ²/NDF: 4470.9/35
In: 16.128+/-0.253 χ²/NDF:7022.1/38
Out: 14.287+/-0.244 χ²/NDF:9896.5/44
All: 15.173+/-0.176 χ²/NDF: 16946.0/83

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -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

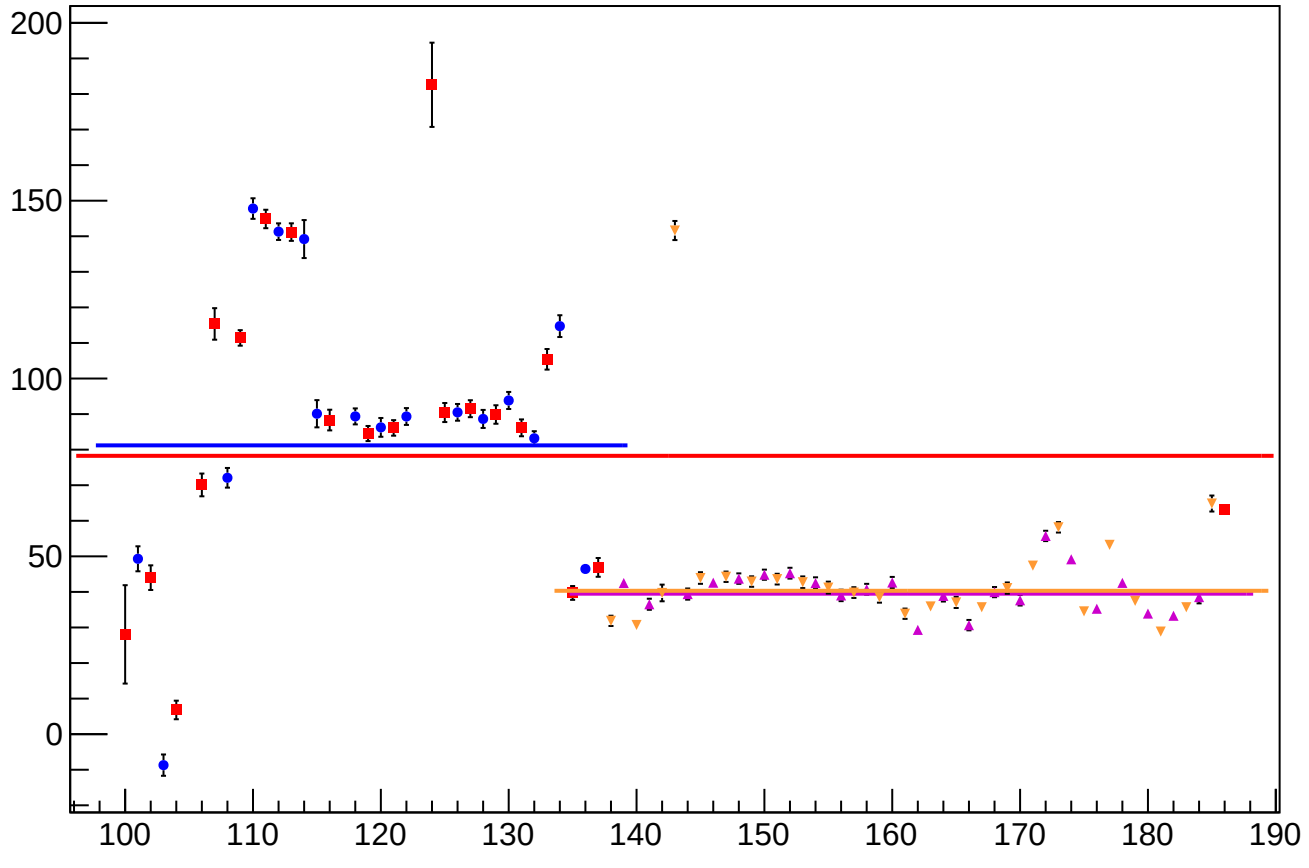
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -3.558+/-0.382 χ^2/NDF: 288.5/35

In: -3.766+/-0.207 χ^2/NDF:633.8/38

Out: -3.787+/-0.201 χ^2/NDF:814.2/44

All: -3.777+/-0.144 χ^2/NDF: 1448.1/83



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

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

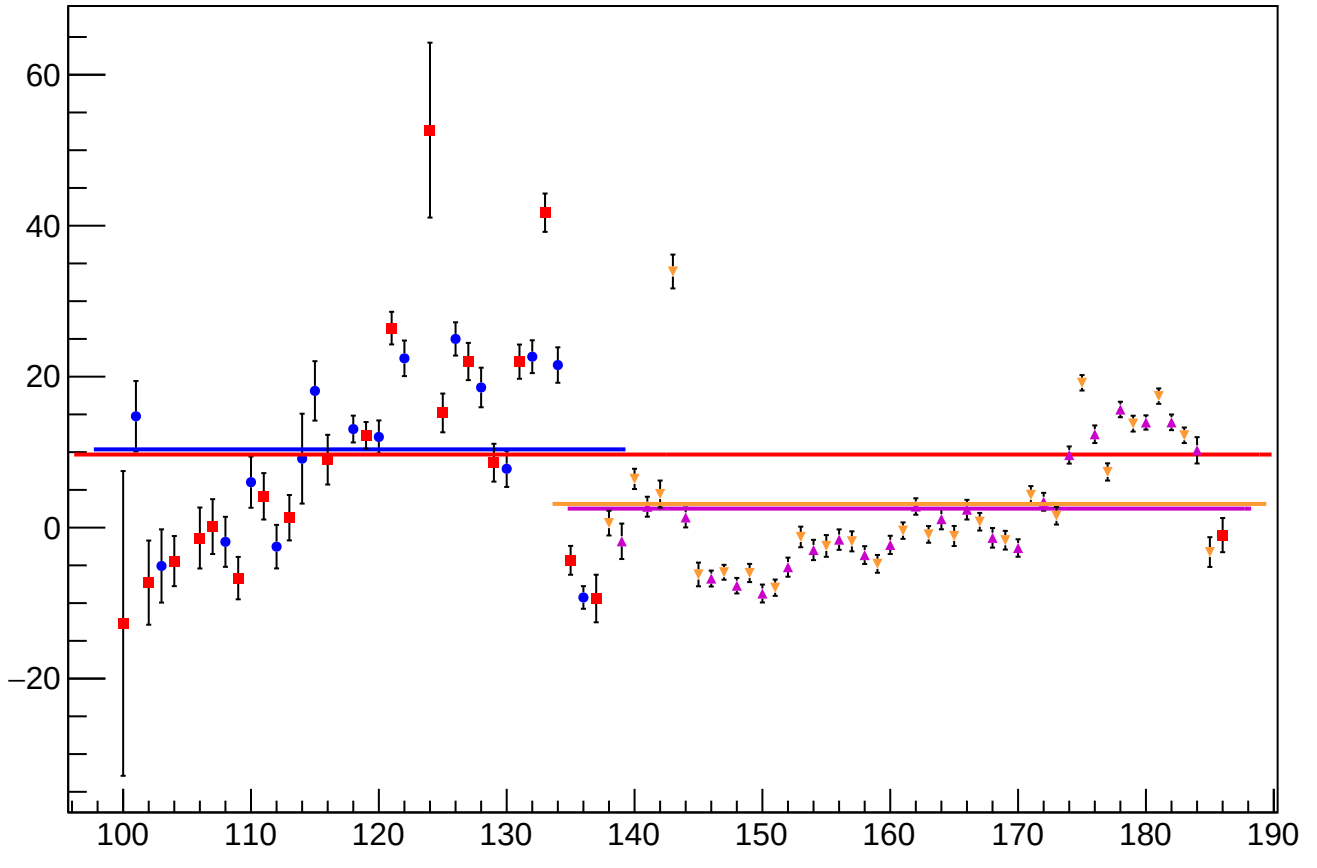
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 79.518+/-0.397 χ^2/NDF: 6769.5/35

In: 47.023+/-0.258 χ^2/NDF:7530.2/38

Out: 48.757+/-0.247 χ^2/NDF:9790.3/44

All: 47.927+/-0.178 χ^2/NDF: 17344.1/83



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 9.684+/-0.616 χ^2/NDF: 494.8/19

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

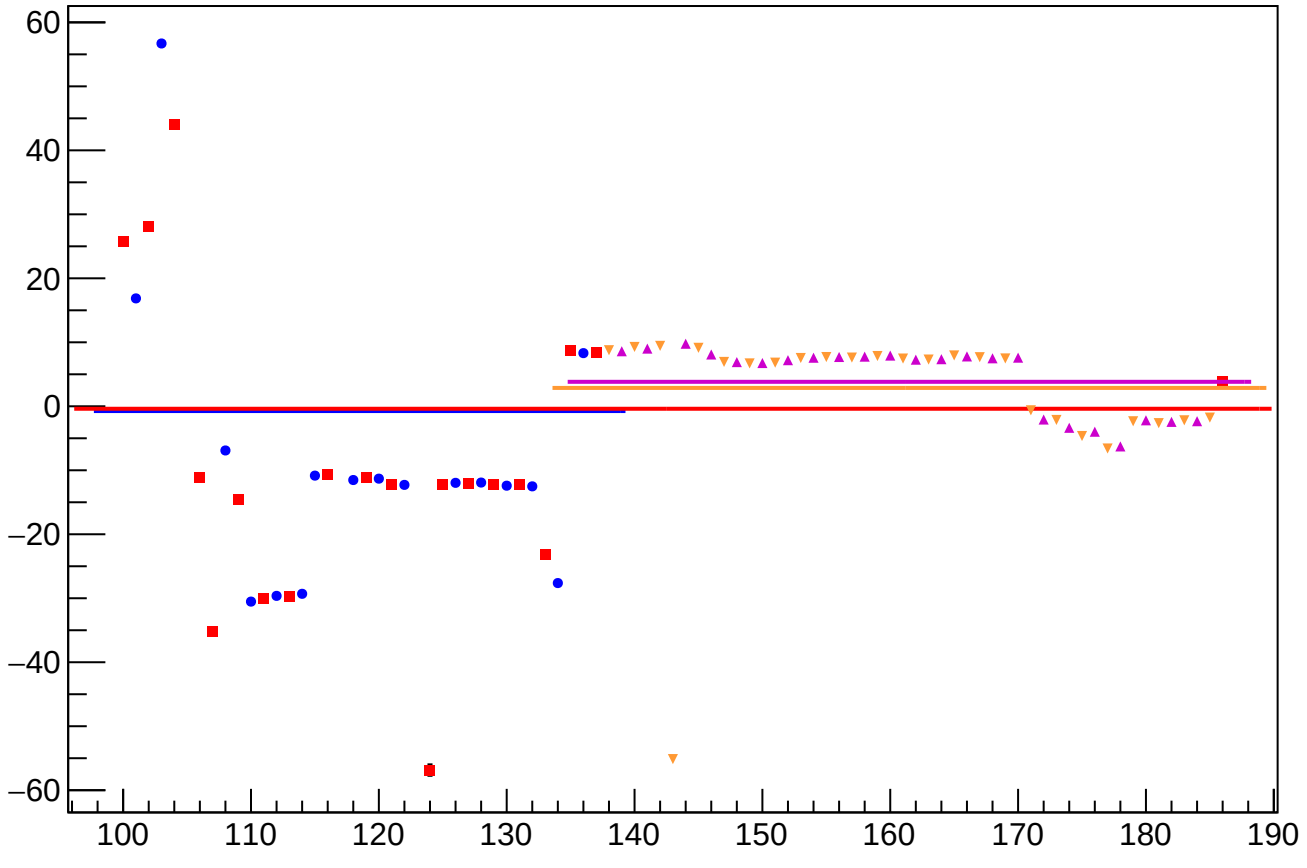
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 10.020+/-0.439 χ^2/NDF: 855.2/35

In: 3.604+/-0.233 χ^2/NDF:1463.2/38

Out: 4.038+/-0.228 χ^2/NDF:1859.1/44

All: 3.826+/-0.163 χ^2/NDF: 3324.0/83



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

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

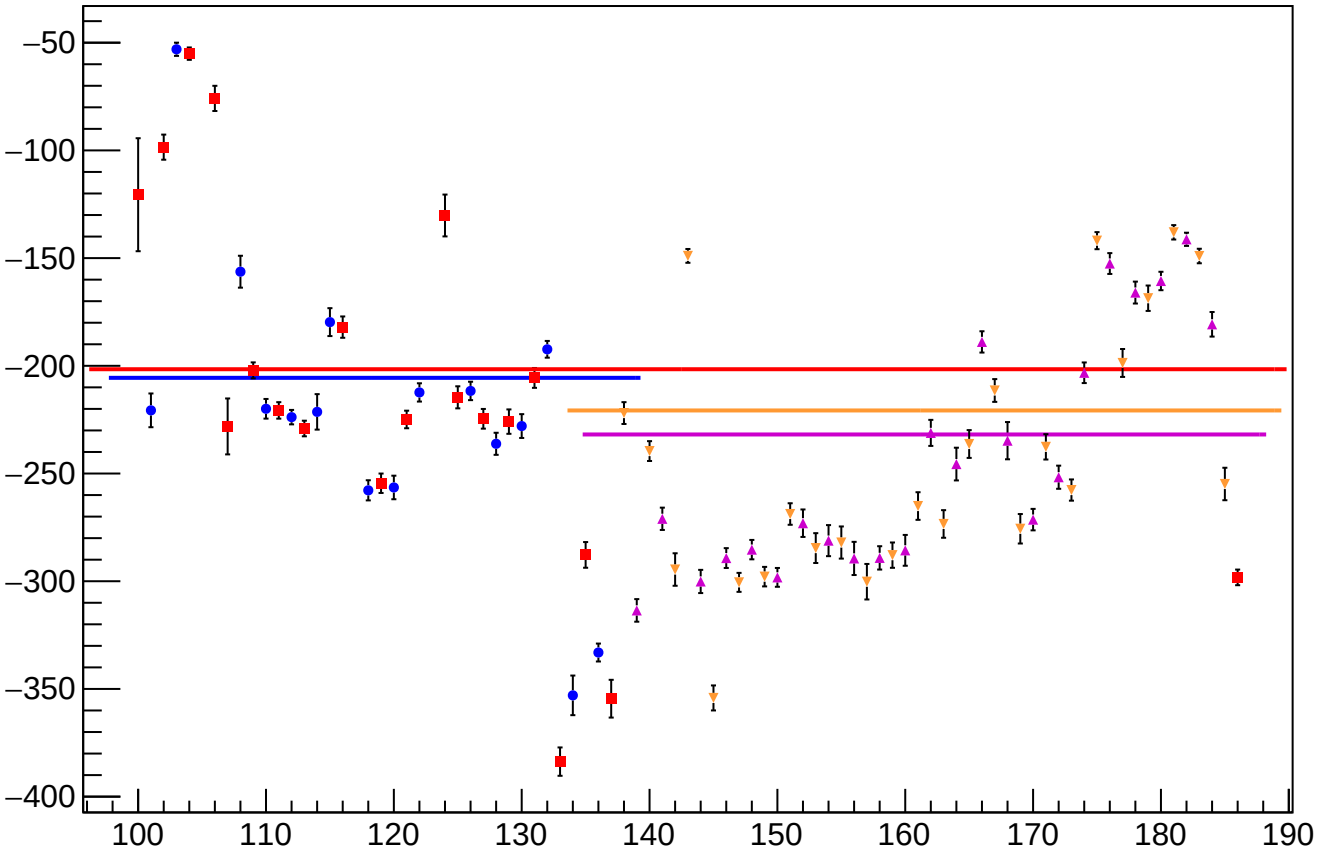
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: -0.568+/-0.026 χ^2/NDF: 685276.3/35

In: 3.426+/-0.011 χ^2/NDF:616025.6/38

Out: 2.597+/-0.011 χ^2/NDF:836917.6/44

All: 3.008+/-0.007 χ^2/NDF: 1456019.3/83



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

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

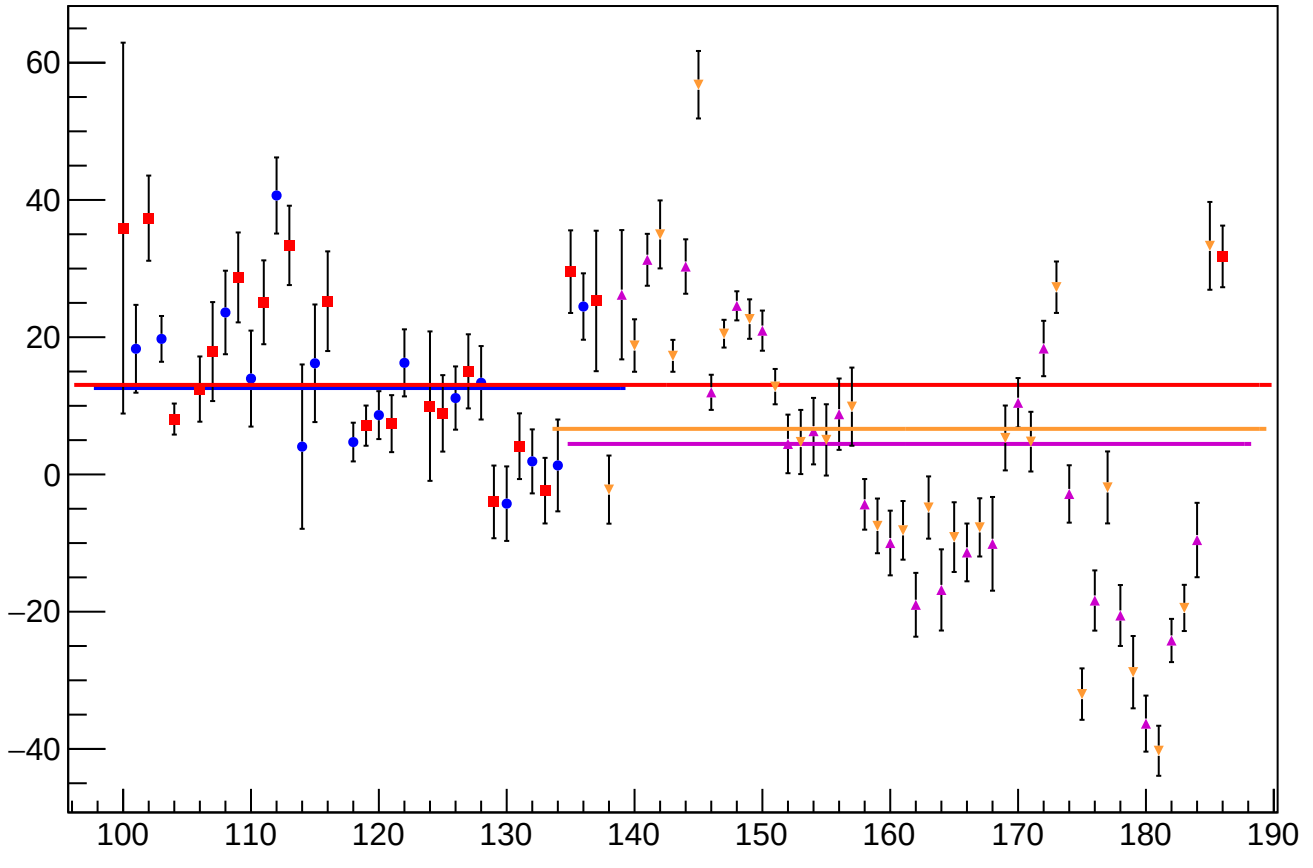
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

Right: -203.381+/-0.795 χ^2/NDF: 9808.3/35

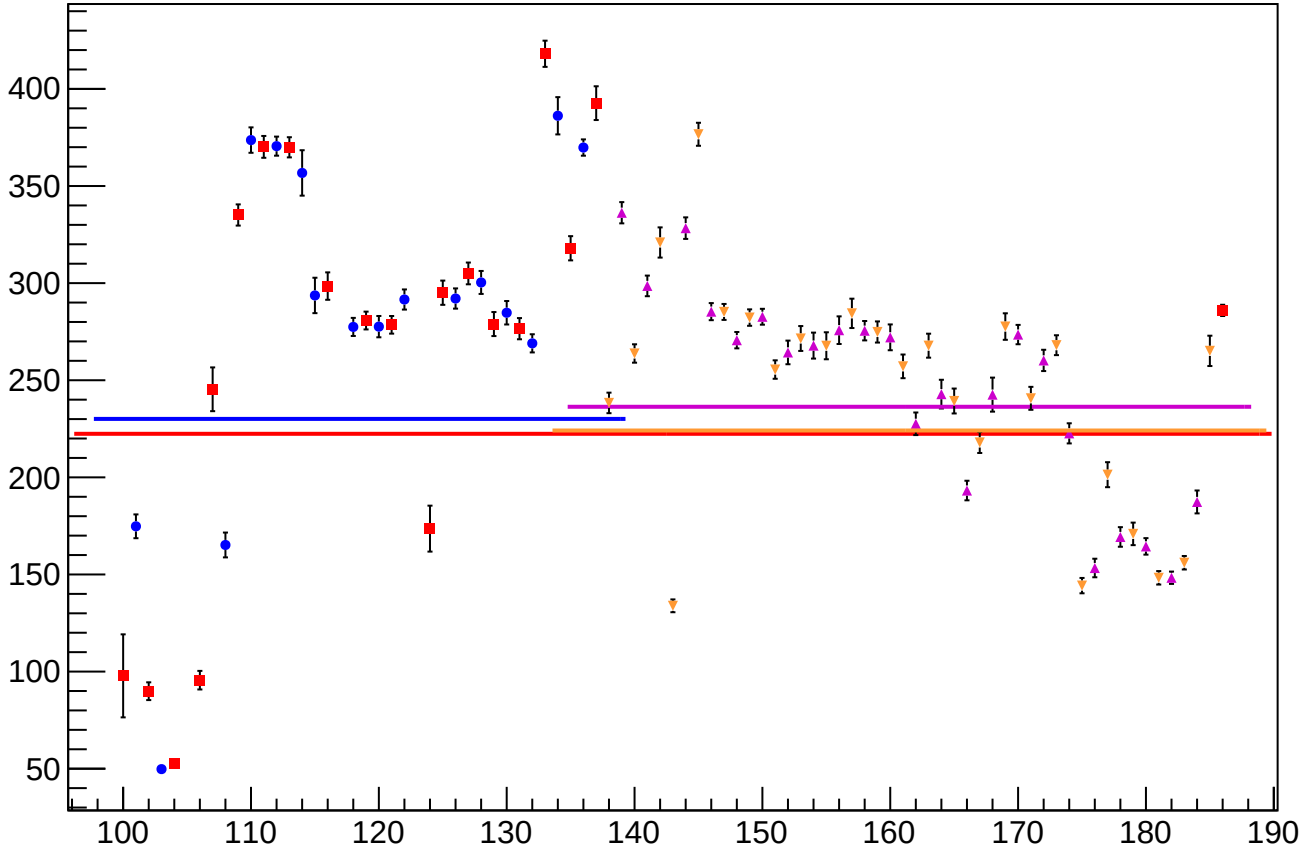
In: -219.974+/-0.797 χ^2/NDF:7486.1/38

Out: -211.649+/-0.738 χ^2/NDF:9965.8/44

All: -215.495+/-0.542 χ^2/NDF: 17510.6/83


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: 12.592+/-1.203 χ²/NDF: 68.5/15
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: 12.843+/-0.807 χ²/NDF: 172.0/35
In: 6.976+/-0.670 χ²/NDF:667.2/38
Out: 8.715+/-0.619 χ²/NDF:861.8/44
All: 7.914+/-0.455 χ²/NDF: 1532.6/83

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 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

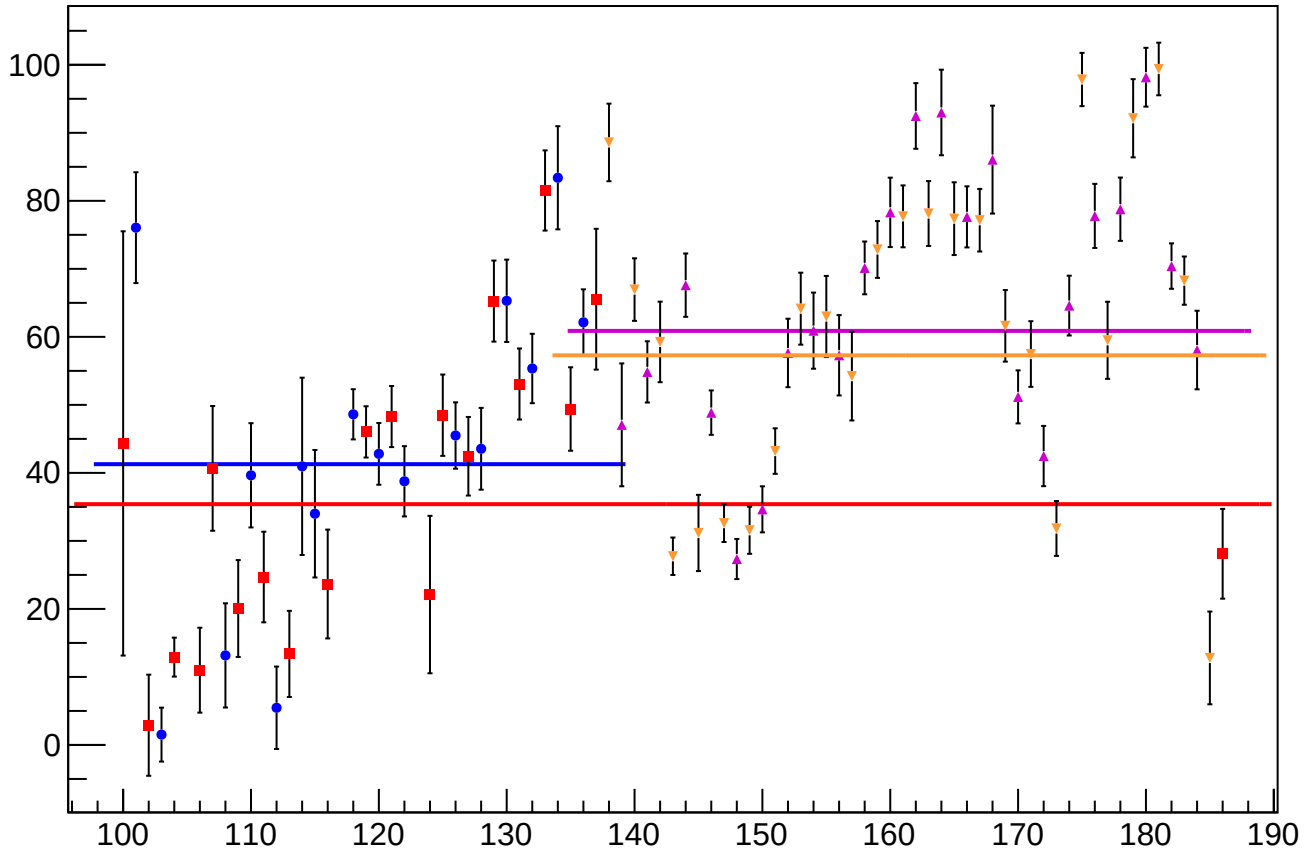
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 225.759+/-0.831 χ^2/NDF: 21432.8/35

In: 233.734+/-0.814 χ^2/NDF:12382.9/38

Out: 223.346+/-0.747 χ^2/NDF:16004.2/44

All: 228.095+/-0.550 χ^2/NDF: 28475.5/83



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

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

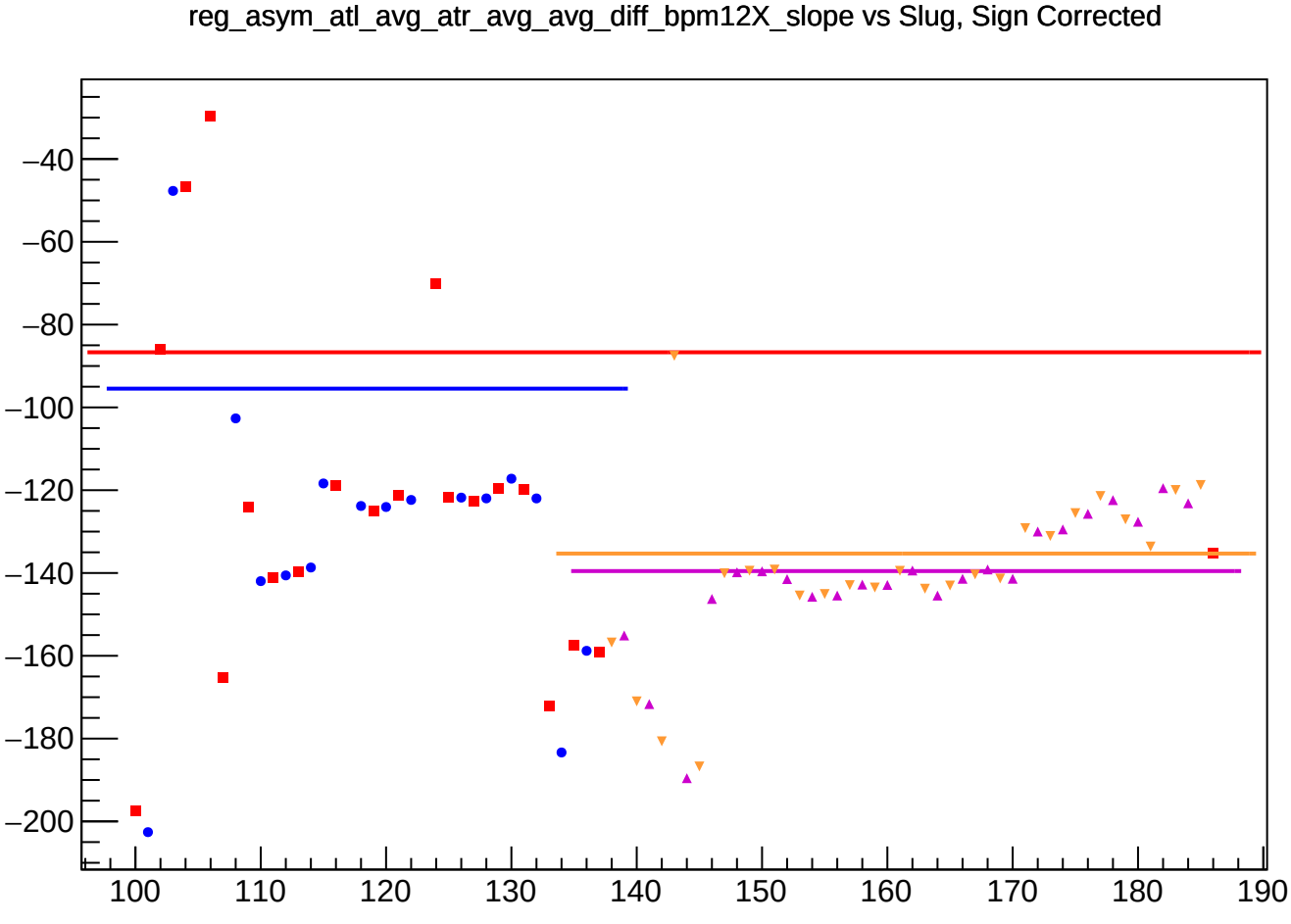
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 38.110+/-0.948 χ^2/NDF: 509.8/35

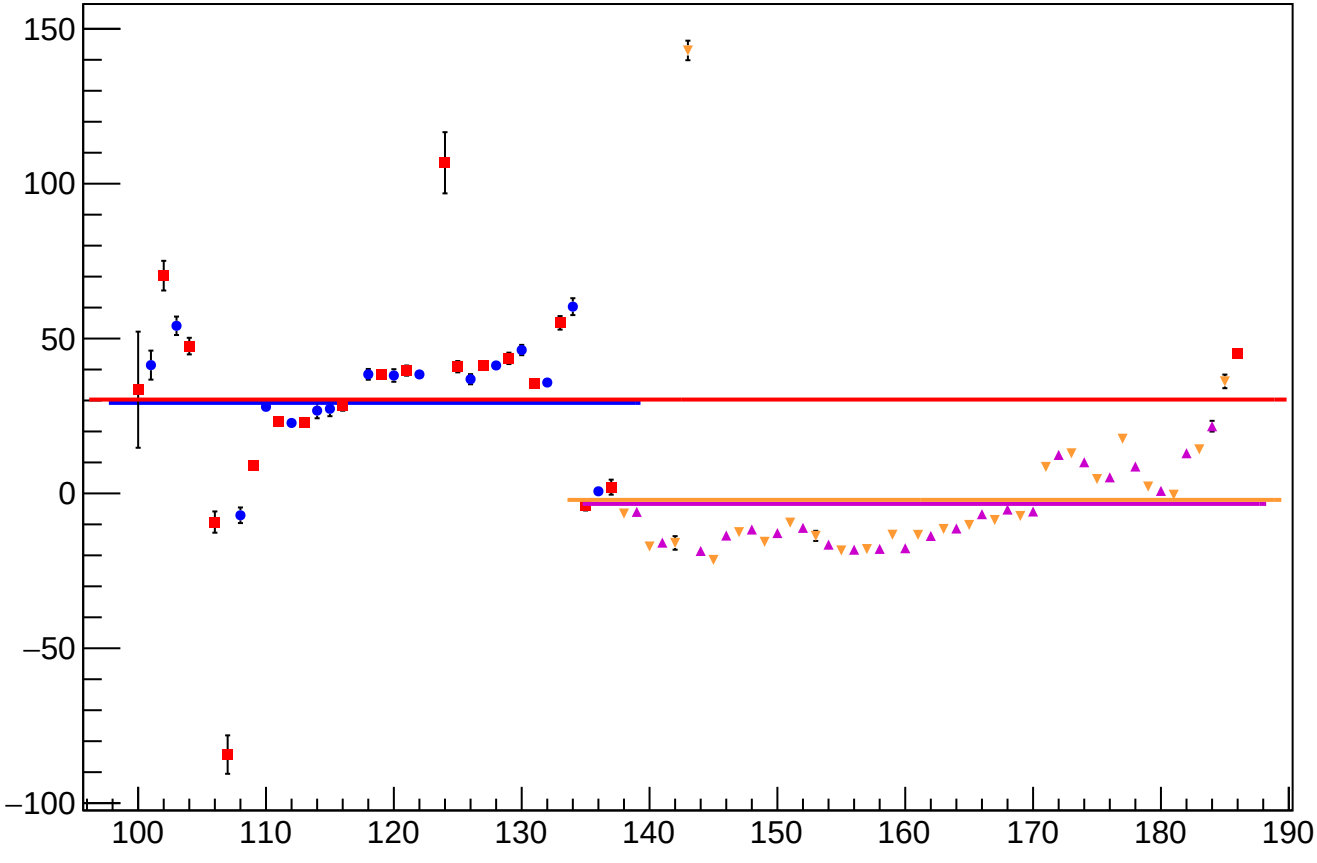
In: 54.929+/-0.770 χ^2/NDF:837.4/38

Out: 50.479+/-0.720 χ^2/NDF:1220.1/44

All: 52.556+/-0.526 χ^2/NDF: 2075.4/83


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
110
120
130
140
150
160
170
180
190
Right In: -95.468+/-0.069 χ²/NDF: 519953.8/15
Left Out: -135.305+/-0.041 χ²/NDF:262874.5/24
Right Out: -86.688+/-0.066 χ²/NDF: 493312.9/19
Left In: -139.533+/-0.042 χ²/NDF:114482.7/22
Left: -137.341+/-0.029 χ²/NDF: 382584.2/47
Right: -90.873+/-0.048 χ²/NDF: 1021628.9/35
In: -127.688+/-0.036 χ²/NDF:928776.2/38
Out: -122.054+/-0.035 χ²/NDF:1147483.0/44
All: -124.759+/-0.025 χ²/NDF: 2088986.5/83

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -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

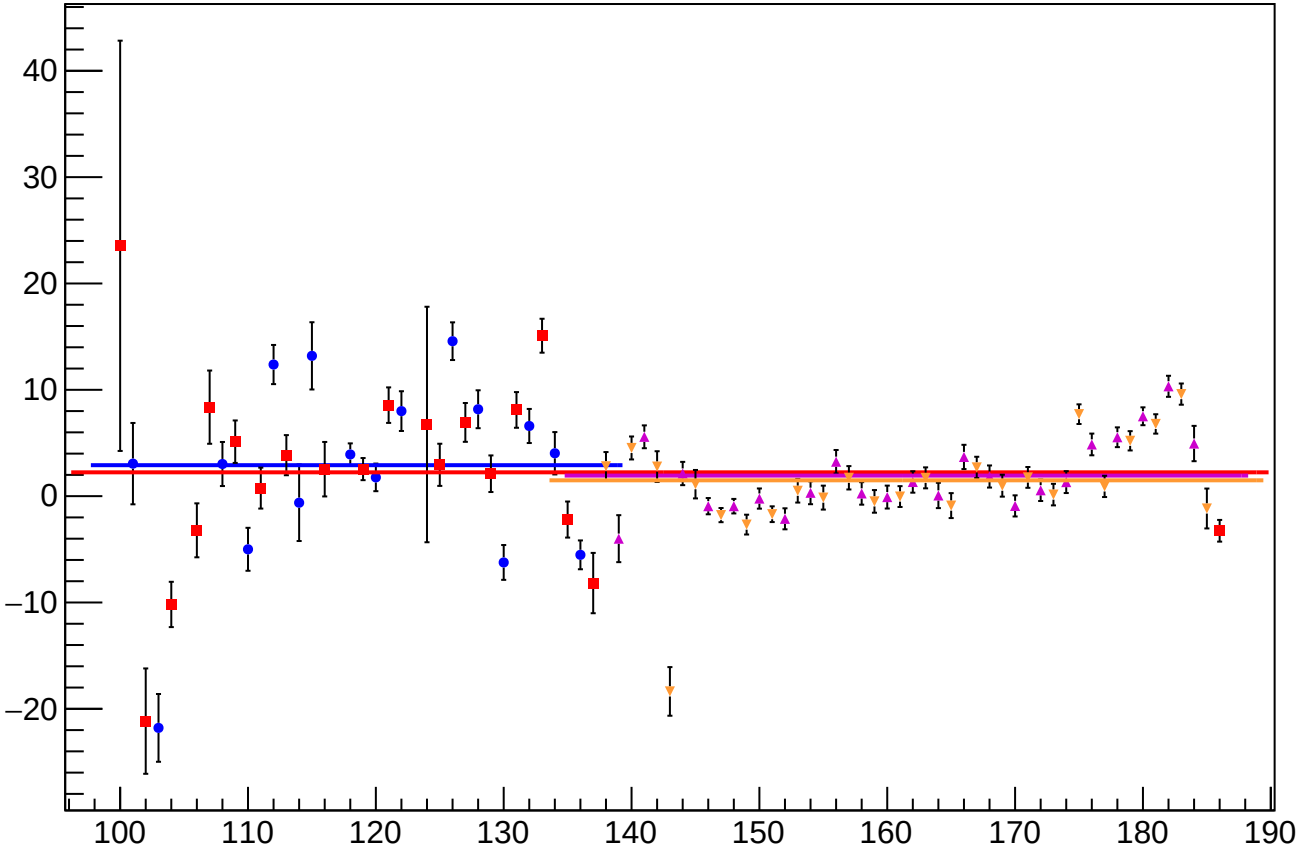
Right: 29.837+/-0.279 χ^2/NDF: 3664.4/35

In: 6.075+/-0.229 χ^2/NDF:7291.5/38

Out: 8.973+/-0.216 χ^2/NDF:11554.9/44

All: 7.603+/-0.157 χ^2/NDF: 18931.1/83

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 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

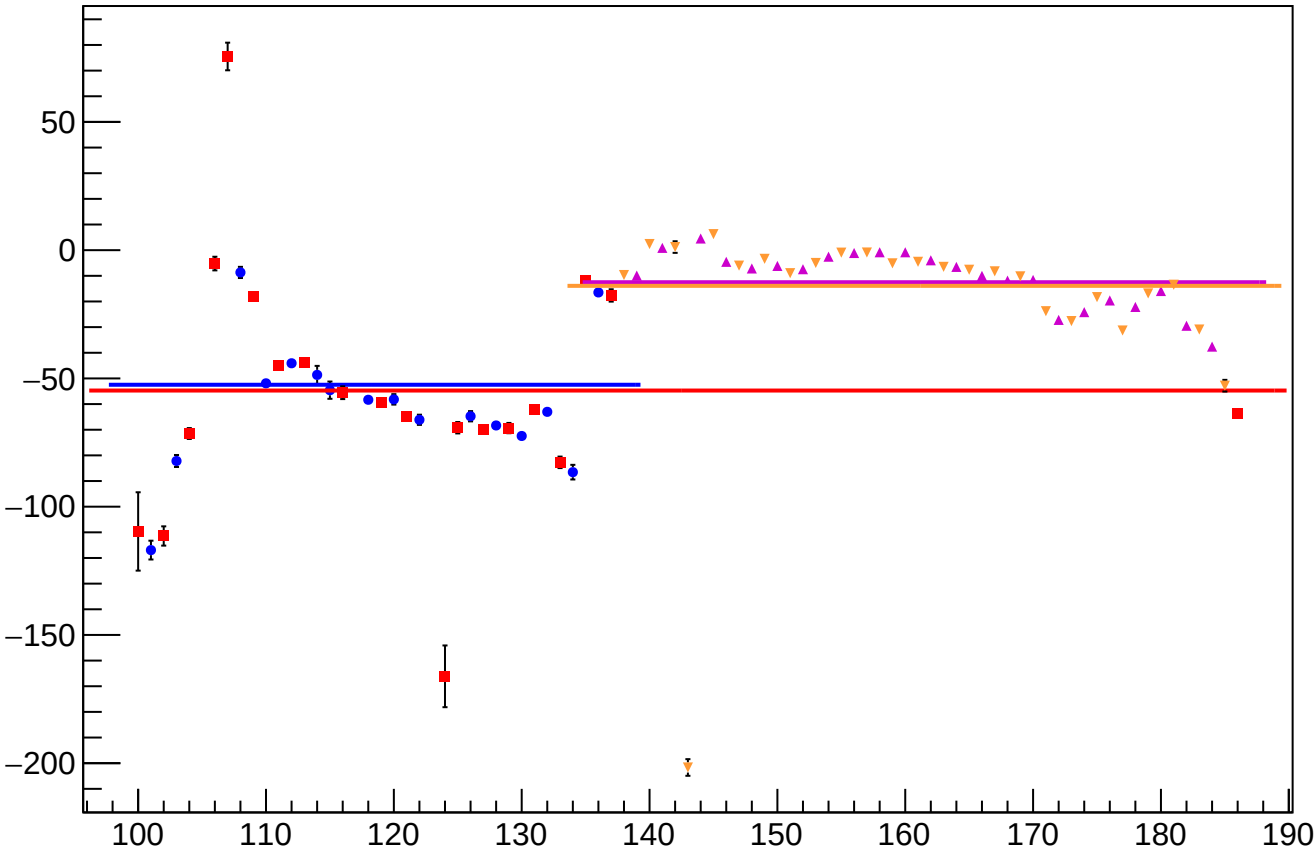
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 2.554+/-0.302 χ^2/NDF: 467.7/35

In: 2.114+/-0.190 χ^2/NDF:494.6/38

Out: 1.636+/-0.184 χ^2/NDF:547.7/44

All: 1.867+/-0.132 χ^2/NDF: 1045.6/83



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

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

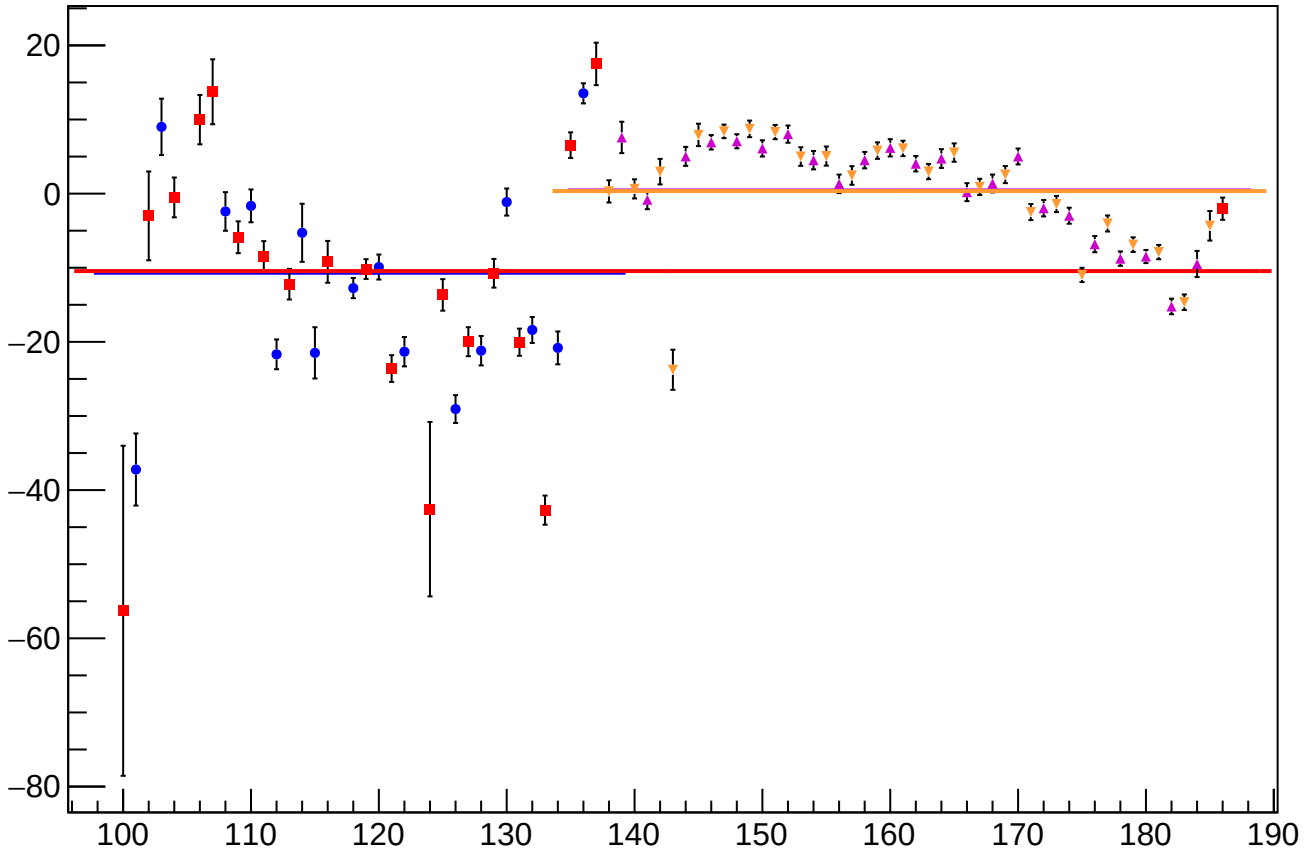
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -53.827+/-0.307 χ^2/NDF: 5637.7/35

In: -21.800+/-0.235 χ^2/NDF:8912.6/38

Out: -26.515+/-0.220 χ^2/NDF:15766.5/44

All: -24.316+/-0.161 χ^2/NDF: 24893.3/83


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
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100
110
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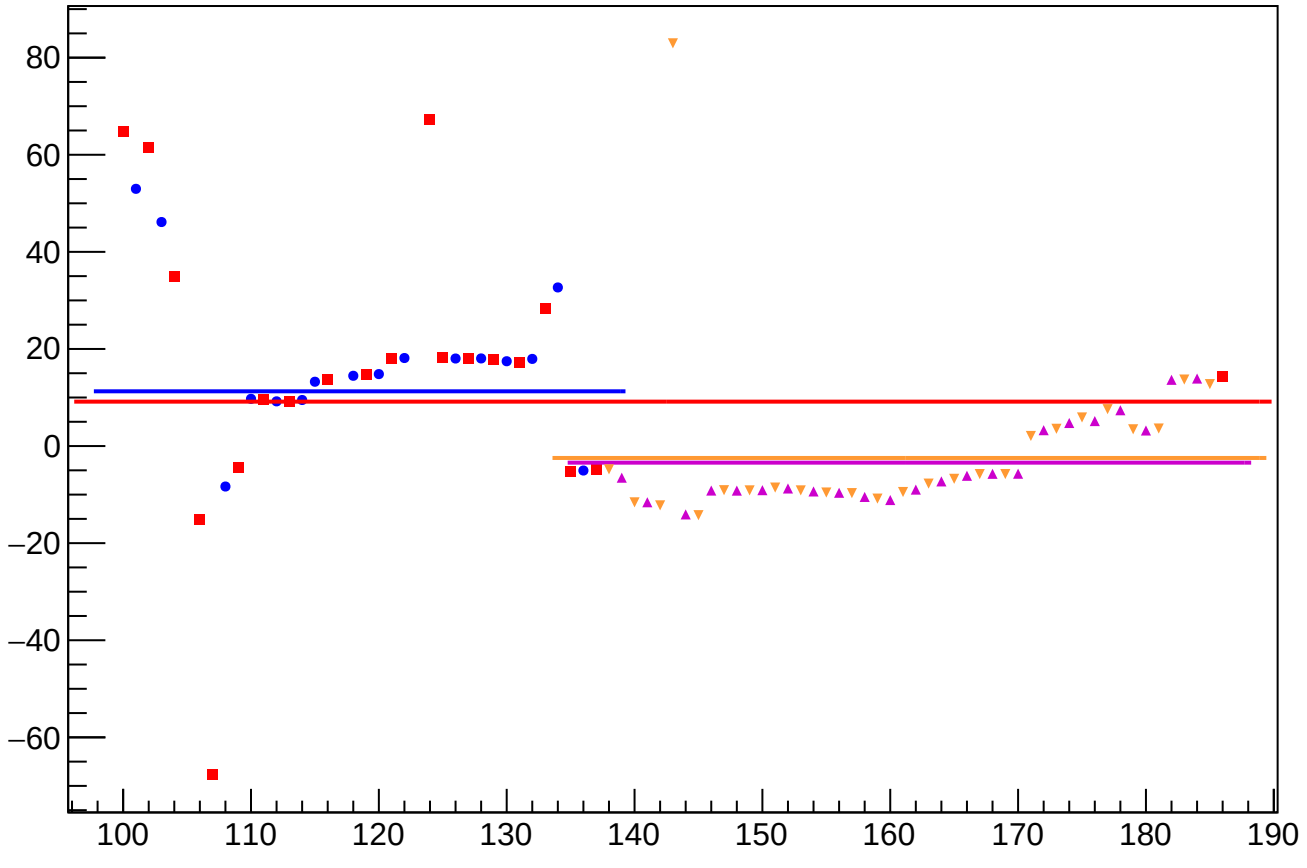
170
180
190
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 0.345+/-0.231 χ²/NDF:921.9/24
Right Out: -10.450+/-0.488 χ²/NDF: 701.1/19
Left In: 0.433+/-0.237 χ²/NDF:782.1/22
Left: 0.388+/-0.165 χ²/NDF: 1704.0/47
Right: -10.559+/-0.351 χ²/NDF: 1367.6/35
In: -1.564+/-0.214 χ²/NDF:1844.6/38
Out: -1.636+/-0.209 χ²/NDF:2022.7/44
All: -1.601+/-0.150 χ²/NDF: 3867.3/83



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

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

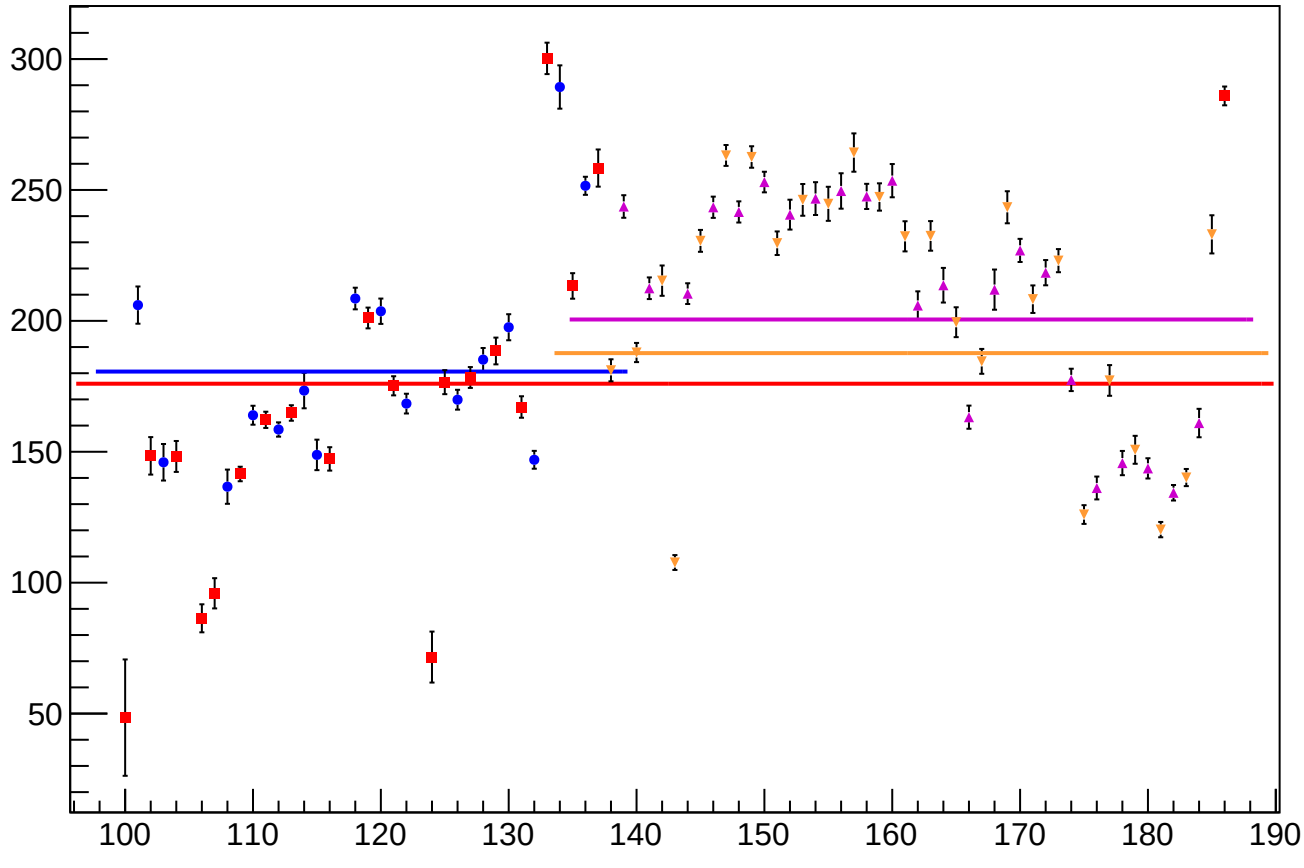
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 10.221+/-0.021 χ^2/NDF: 790625.0/35

In: -1.823+/-0.010 χ^2/NDF:1111163.2/38

Out: -1.229+/-0.010 χ^2/NDF:1532997.1/44

All: -1.524+/-0.007 χ^2/NDF: 2645990.0/83



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

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

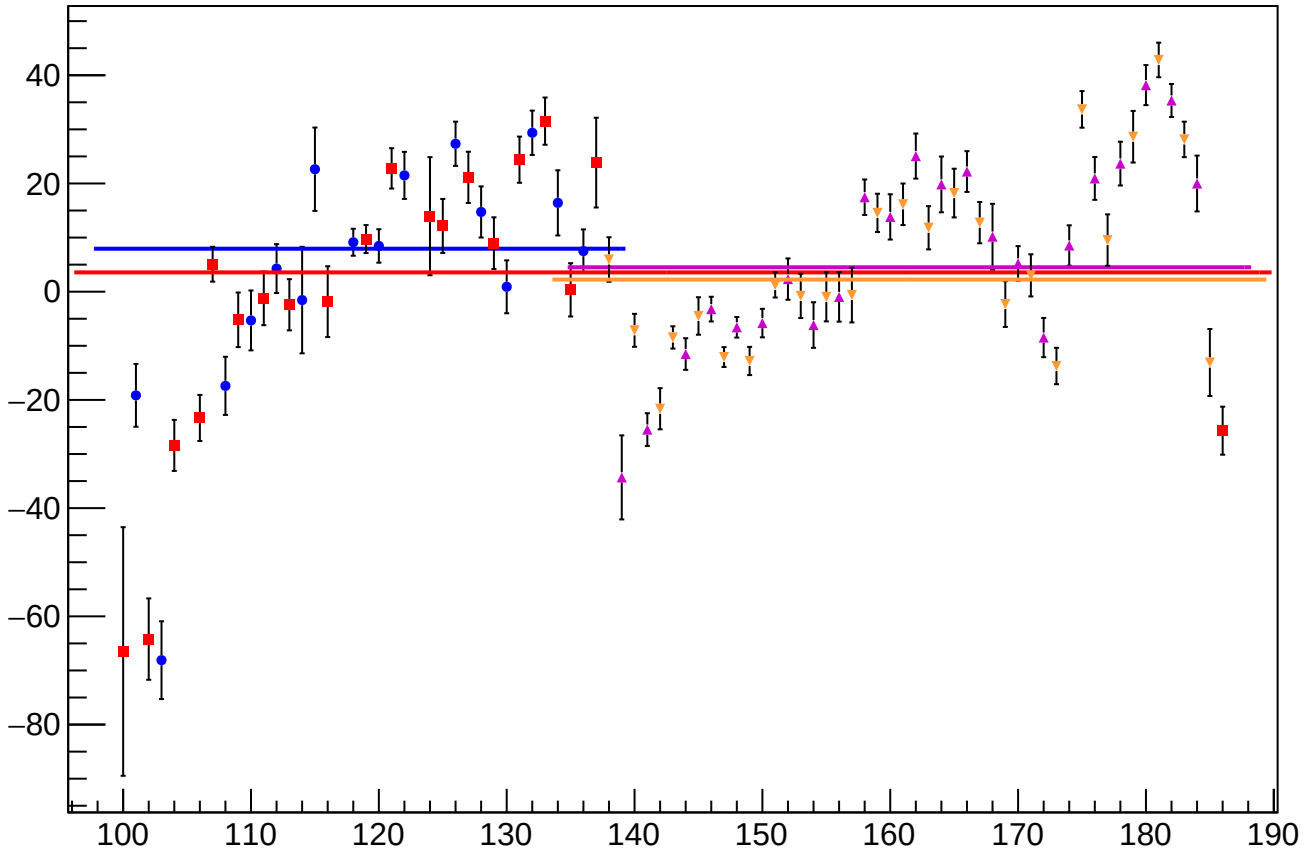
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 178.073+/-0.729 χ^2/NDF: 3501.7/35

In: 191.881+/-0.718 χ^2/NDF:3293.2/38

Out: 182.360+/-0.662 χ^2/NDF:6103.8/44

All: 186.737+/-0.487 χ^2/NDF: 9492.0/83



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

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

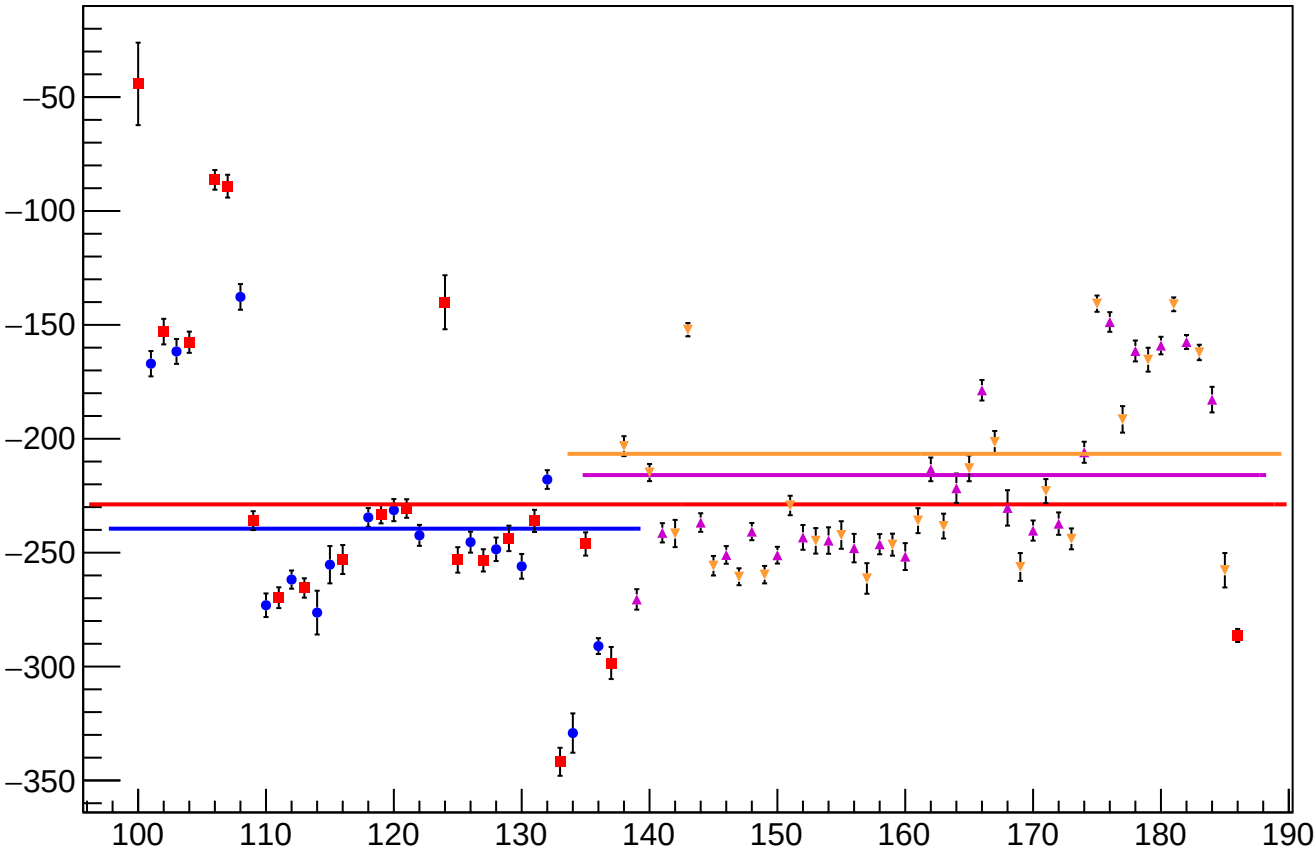
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 5.592+/-0.757 χ^2/NDF: 590.1/35

In: 5.512+/-0.601 χ^2/NDF:786.8/38

Out: 2.633+/-0.559 χ^2/NDF:950.9/44

All: 3.968+/-0.409 χ^2/NDF: 1750.0/83



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

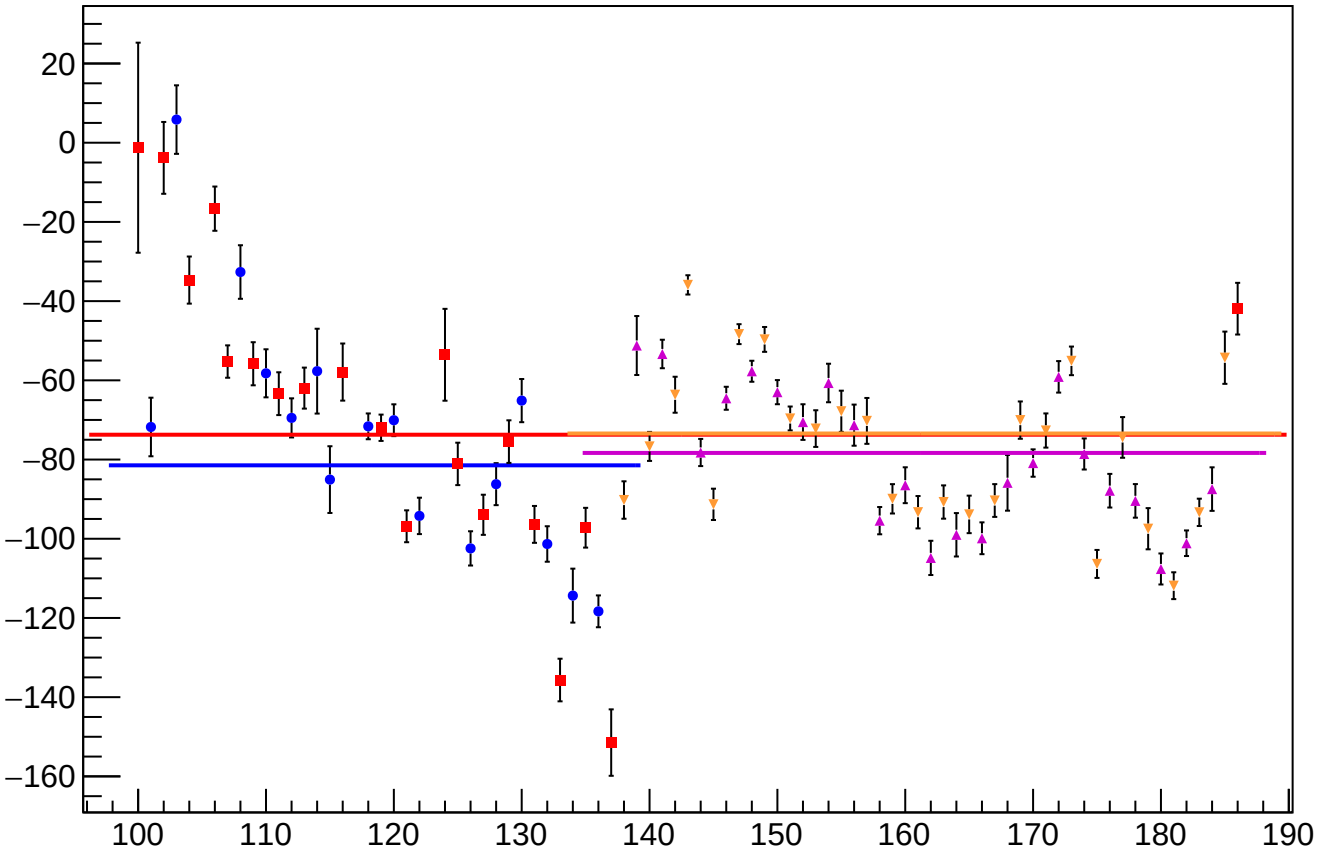
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -233.413+/-0.819 χ^2/NDF: 4727.0/35

In: -224.549+/-0.753 χ^2/NDF:3100.5/38

Out: -215.565+/-0.691 χ^2/NDF:6238.7/44

All: -219.669+/-0.509 χ^2/NDF: 9416.4/83


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
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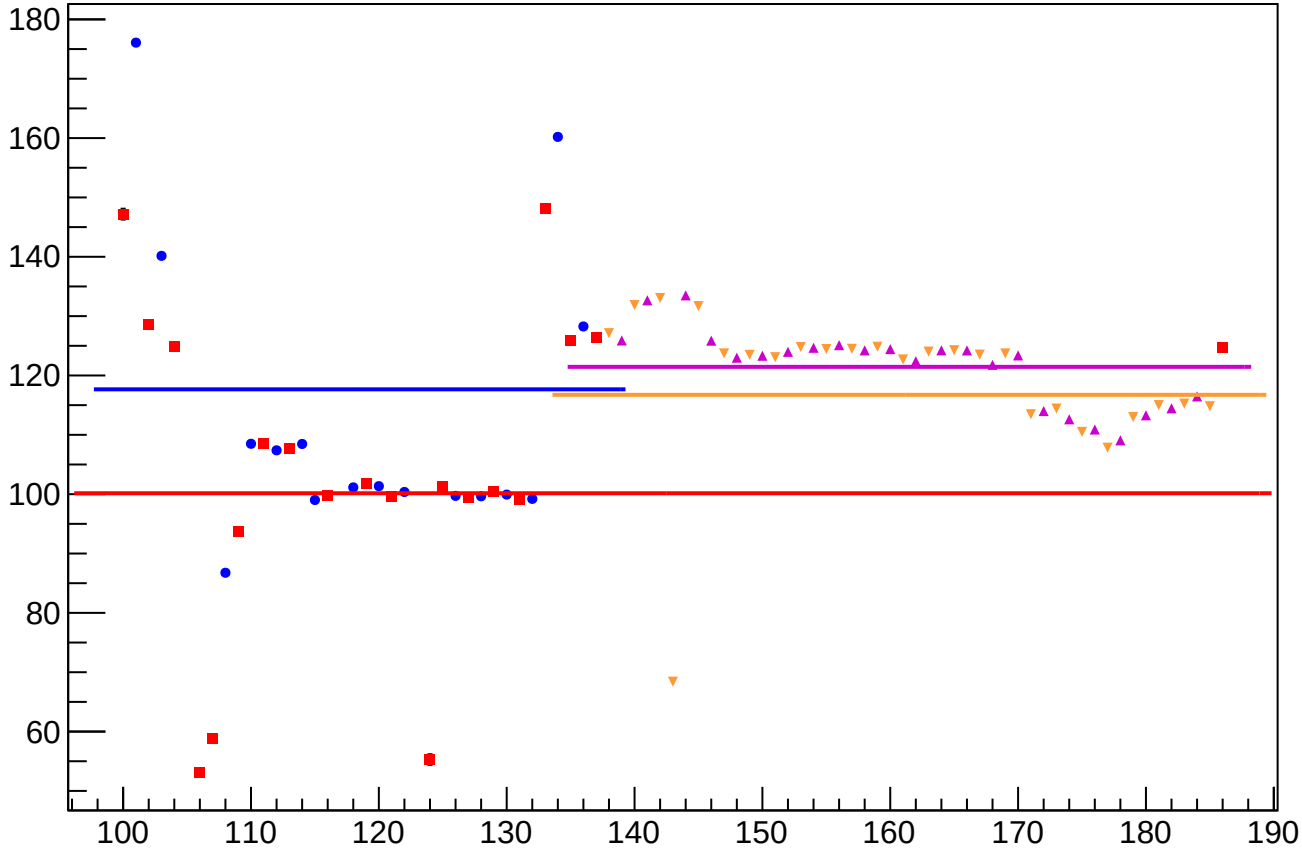
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
190
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -73.731+/-1.209 χ²/NDF: 601.2/19
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -77.355+/-0.881 χ²/NDF: 986.9/35
In: -79.230+/-0.690 χ²/NDF:814.0/38
Out: -73.514+/-0.648 χ²/NDF:1437.8/44
All: -76.191+/-0.472 χ²/NDF: 2288.3/83

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 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

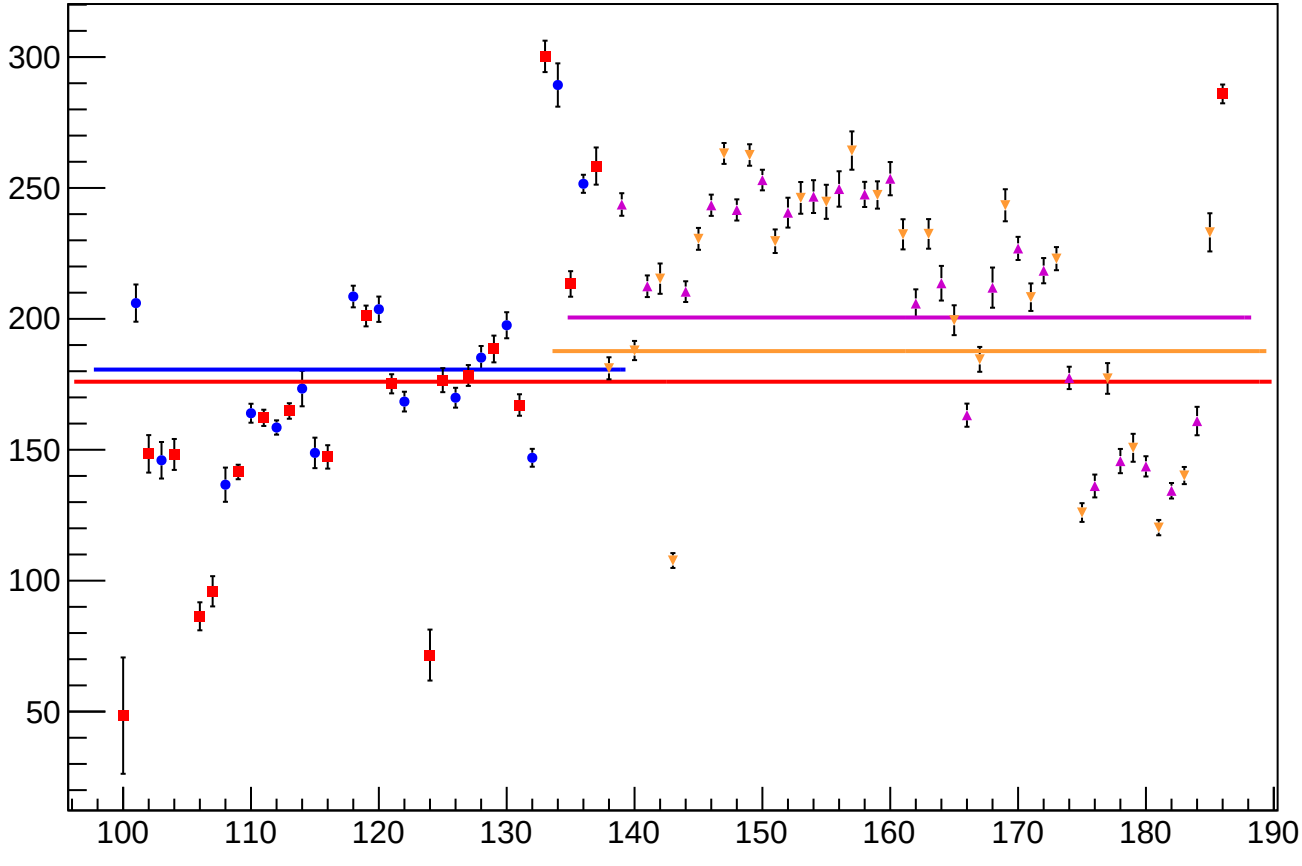
Right: 107.881+/-0.052 χ^2/NDF: 292412.8/35

In: 120.755+/-0.034 χ^2/NDF:126104.8/38

Out: 113.262+/-0.032 χ^2/NDF:417650.5/44

All: 116.802+/-0.023 χ^2/NDF: 569915.2/83

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 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

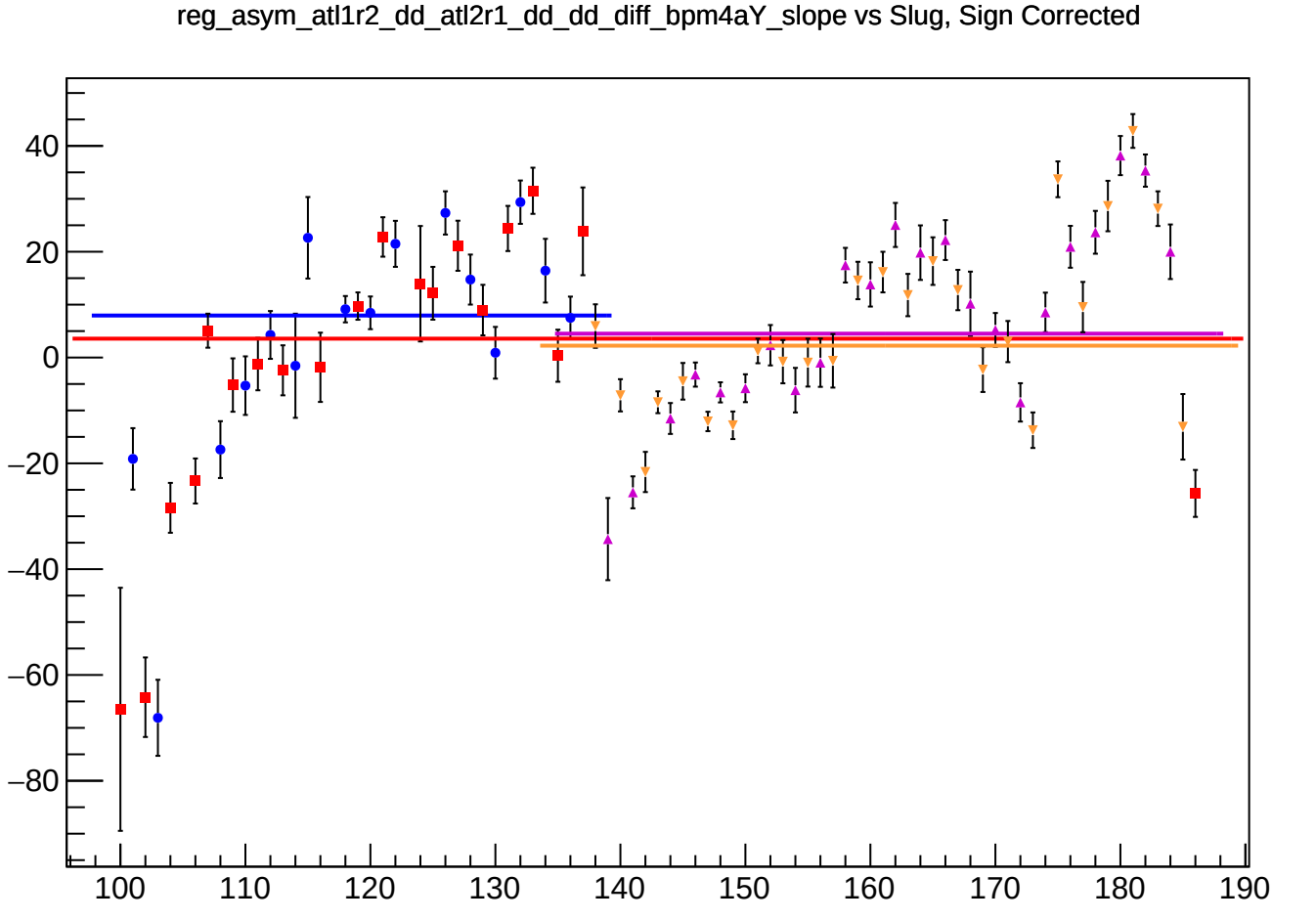
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 178.073+/-0.729 χ^2/NDF: 3501.7/35

In: 191.881+/-0.718 χ^2/NDF:3293.2/38

Out: 182.360+/-0.662 χ^2/NDF:6103.8/44

All: 186.737+/-0.487 χ^2/NDF: 9492.0/83


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
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−80
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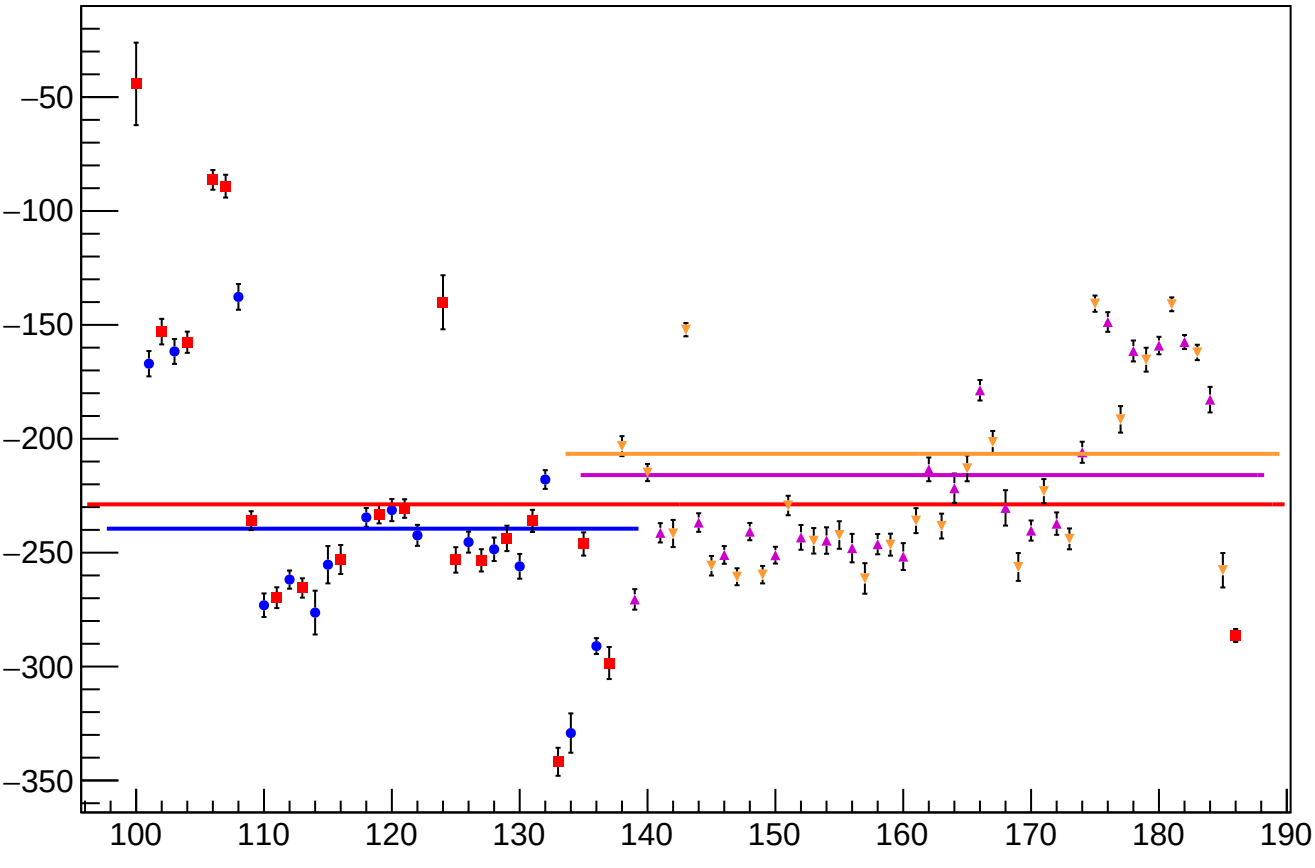
170
180
190
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: 3.568+/-1.033 χ²/NDF: 348.9/19
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
Left: 3.298+/-0.486 χ²/NDF: 1153.4/47
Right: 5.592+/-0.757 χ²/NDF: 590.1/35
In: 5.512+/-0.601 χ²/NDF:786.8/38
Out: 2.633+/-0.559 χ²/NDF:950.9/44
All: 3.968+/-0.409 χ²/NDF: 1750.0/83



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

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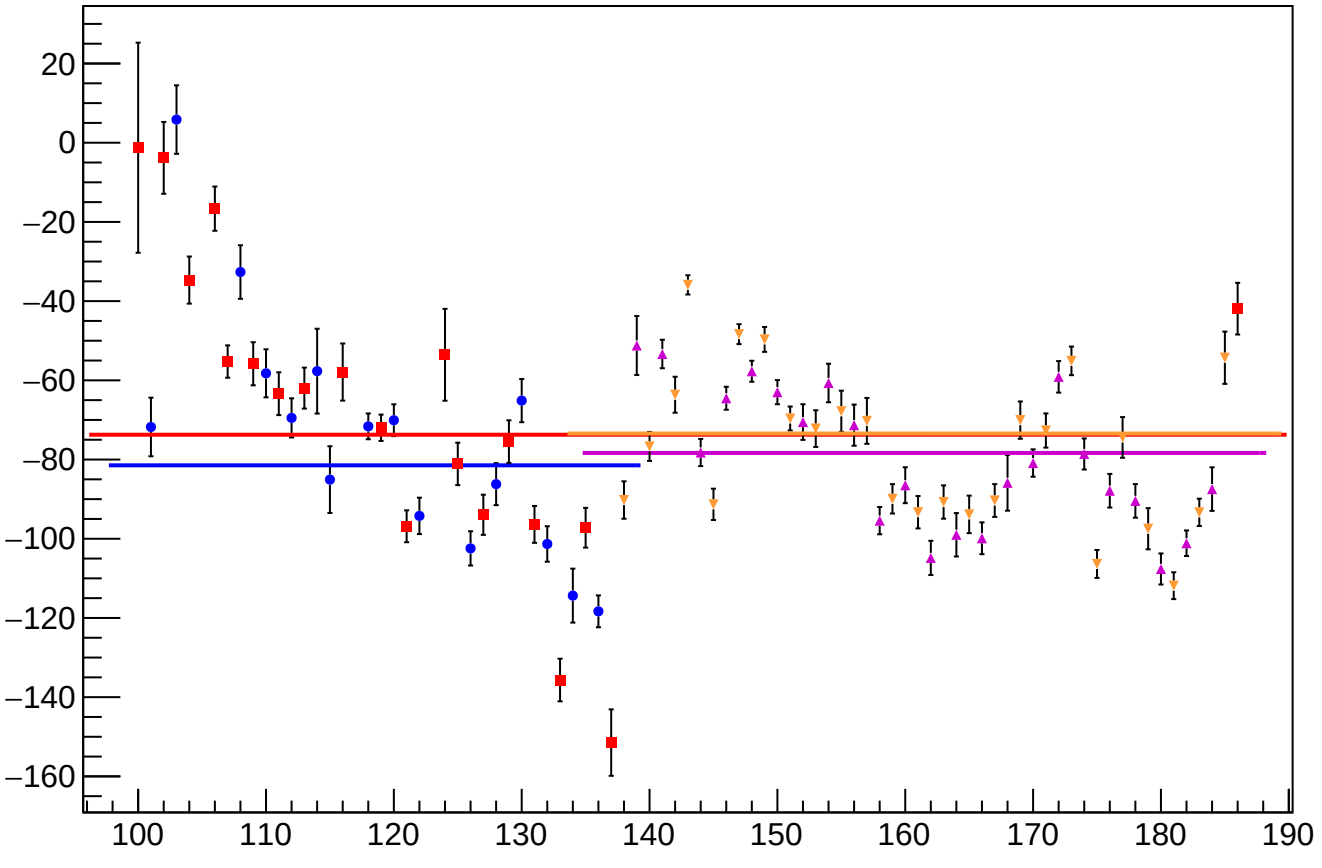
In: -224.549+/-0.753 χ^2/NDF:3100.5/38

Out: -215.565+/-0.691 χ^2/NDF:6238.7/44

All: -219.669+/-0.509 χ^2/NDF: 9416.4/83


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
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−20
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−60
−80
−100
−120
−140
−160
100
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130
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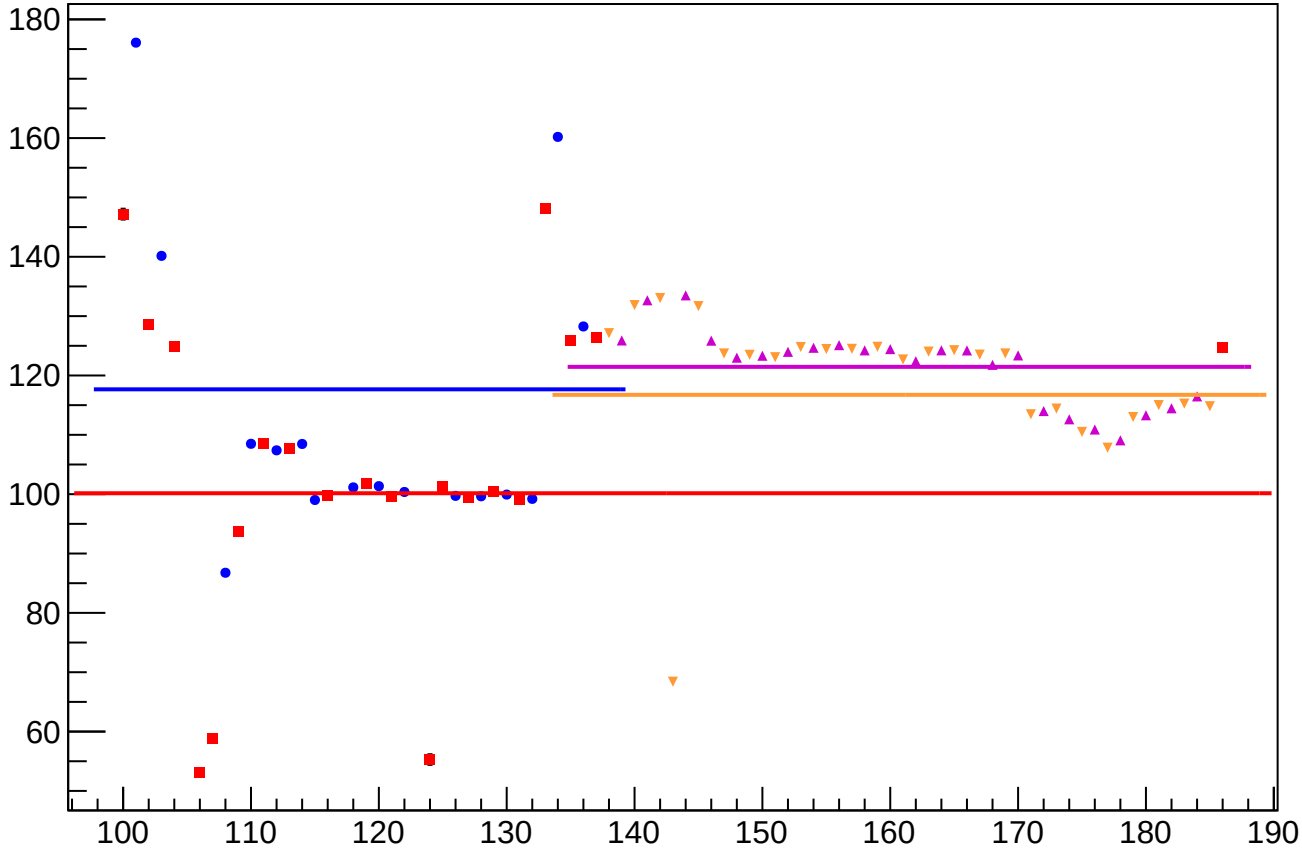
170
180
190
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -73.731+/-1.209 χ²/NDF: 601.2/19
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -77.355+/-0.881 χ²/NDF: 986.9/35
In: -79.230+/-0.690 χ²/NDF:814.0/38
Out: -73.514+/-0.648 χ²/NDF:1437.8/44
All: -76.191+/-0.472 χ²/NDF: 2288.3/83

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 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

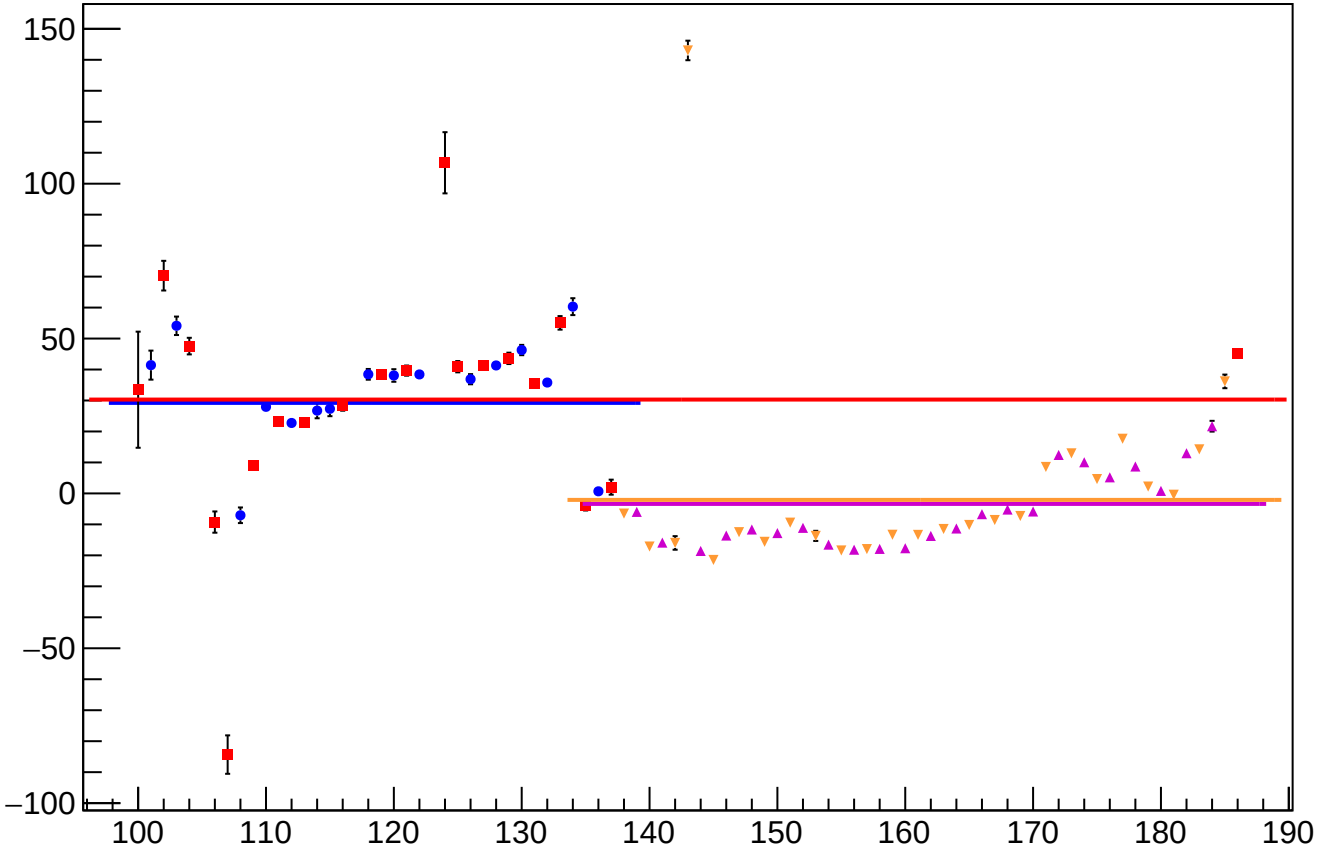
Right: 107.881+/-0.052 χ^2/NDF: 292412.8/35

In: 120.755+/-0.034 χ^2/NDF:126104.8/38

Out: 113.262+/-0.032 χ^2/NDF:417650.5/44

All: 116.802+/-0.023 χ^2/NDF: 569915.2/83

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -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

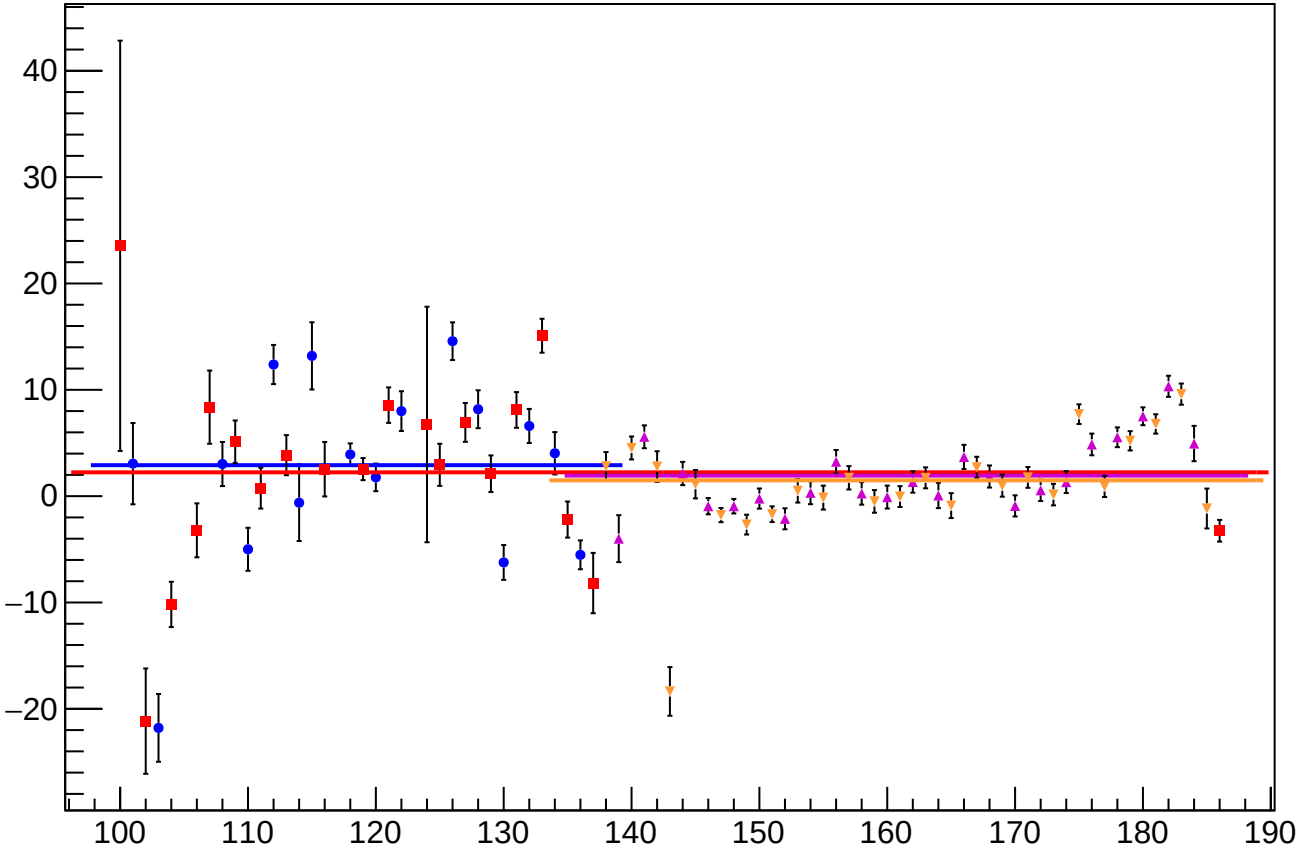
Right: 29.837+/-0.279 χ^2/NDF: 3664.4/35

In: 6.075+/-0.229 χ^2/NDF:7291.5/38

Out: 8.973+/-0.216 χ^2/NDF:11554.9/44

All: 7.603+/-0.157 χ^2/NDF: 18931.1/83

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 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

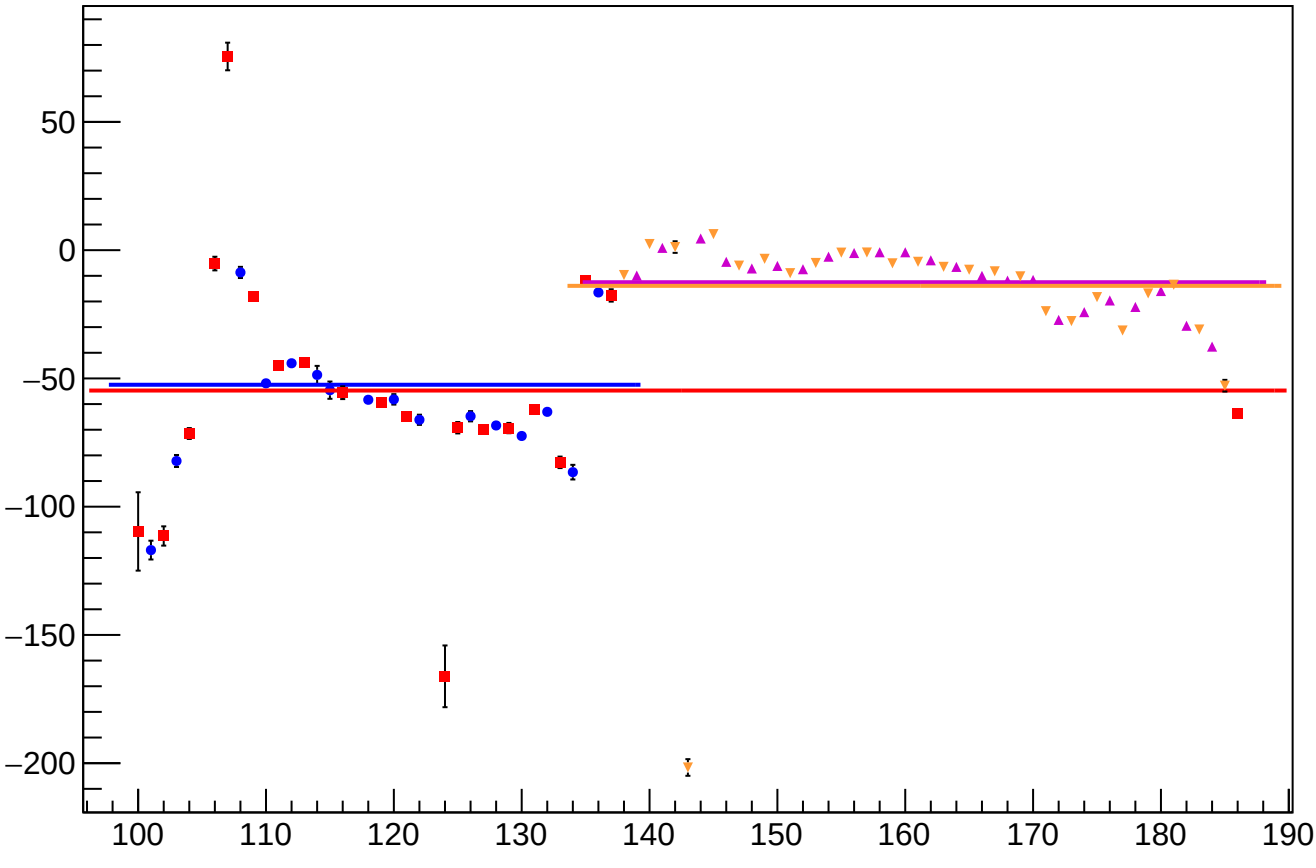
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 2.554+/-0.302 χ^2/NDF: 467.7/35

In: 2.114+/-0.190 χ^2/NDF:494.6/38

Out: 1.636+/-0.184 χ^2/NDF:547.7/44

All: 1.867+/-0.132 χ^2/NDF: 1045.6/83



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

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

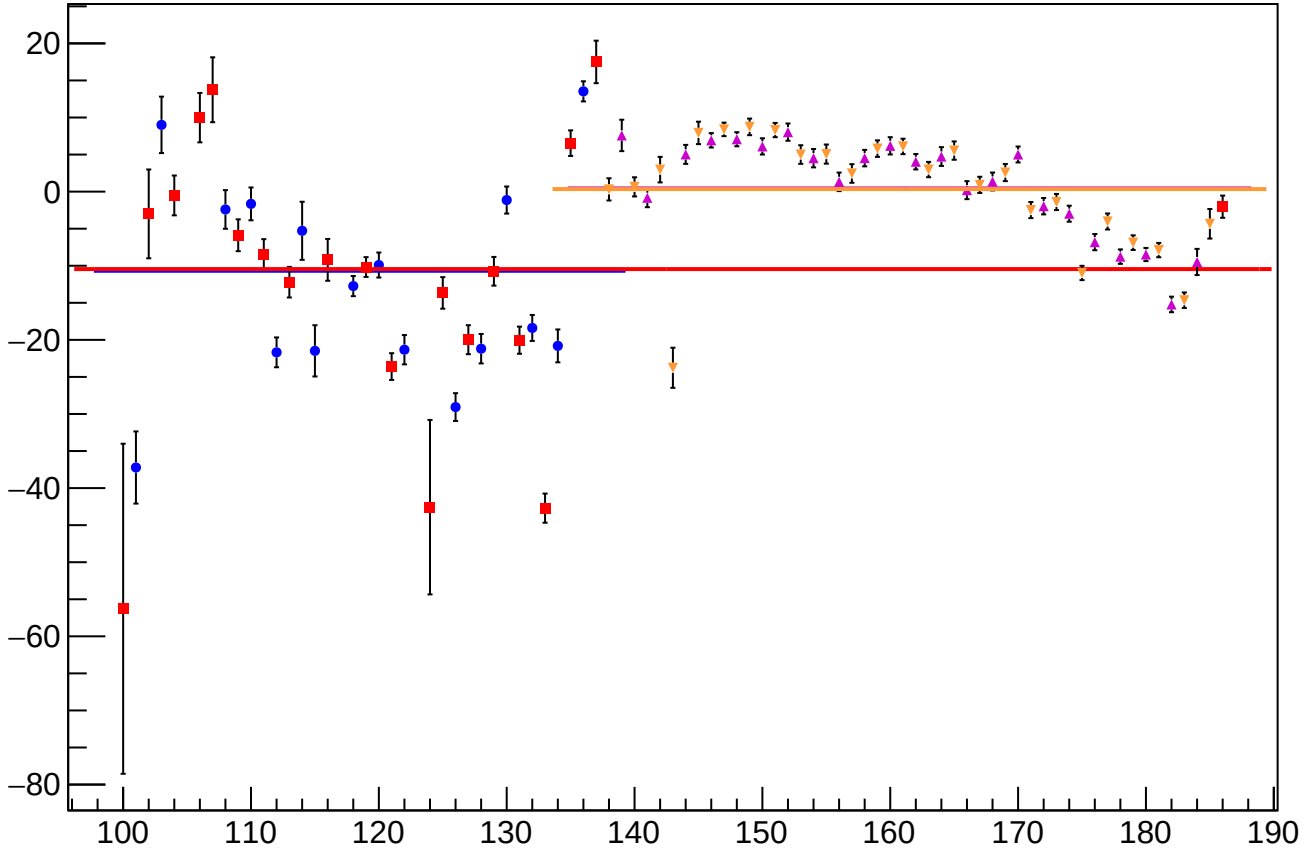
Right: -53.827+/-0.307 χ^2/NDF: 5637.7/35

In: -21.800+/-0.235 χ^2/NDF:8912.6/38

Out: -26.515+/-0.220 χ^2/NDF:15766.5/44

All: -24.316+/-0.161 χ^2/NDF: 24893.3/83

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 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

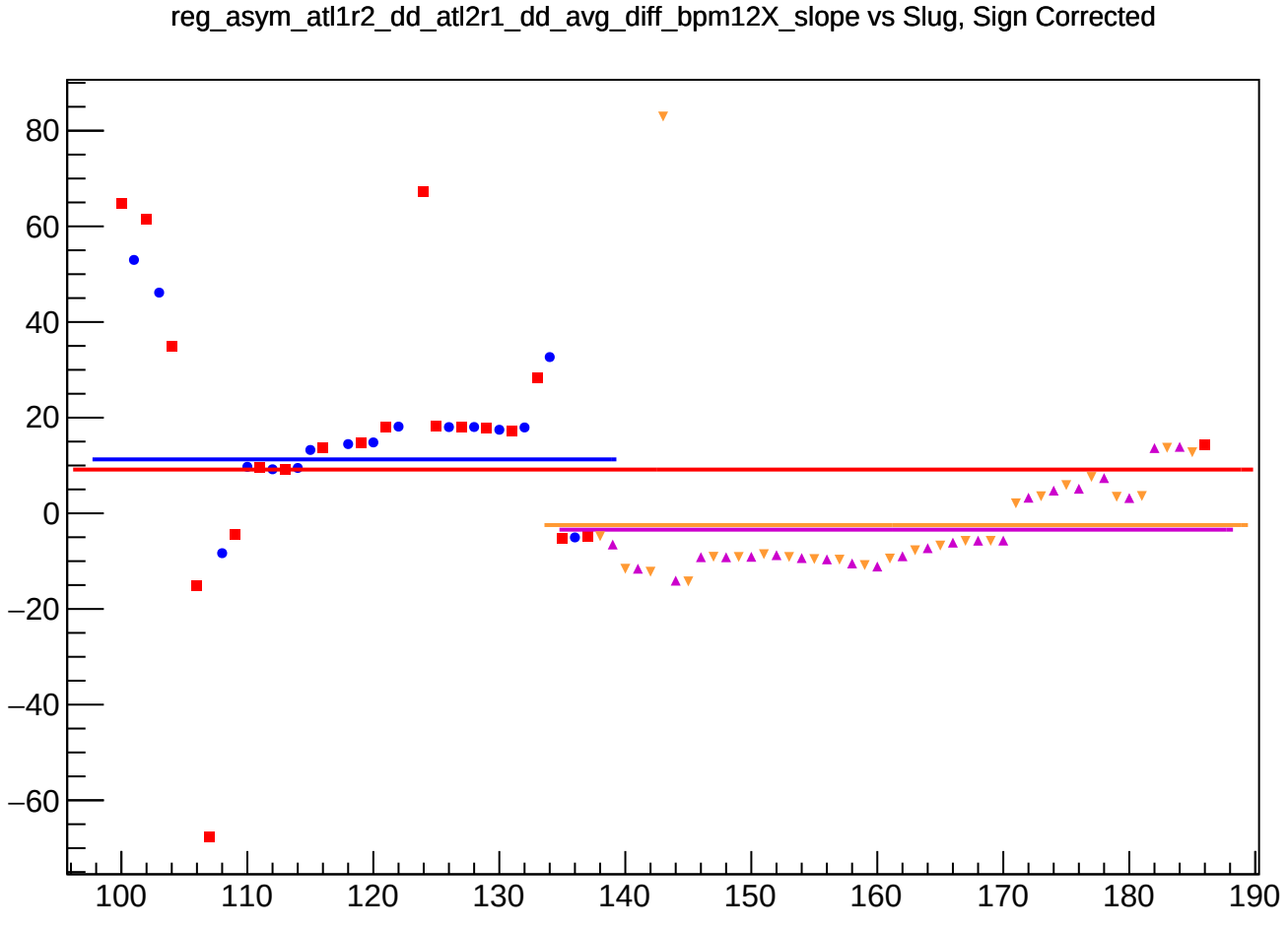
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -10.559+/-0.351 χ^2/NDF: 1367.6/35

In: -1.564+/-0.214 χ^2/NDF:1844.6/38

Out: -1.636+/-0.209 χ^2/NDF:2022.7/44

All: -1.601+/-0.150 χ^2/NDF: 3867.3/83



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

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

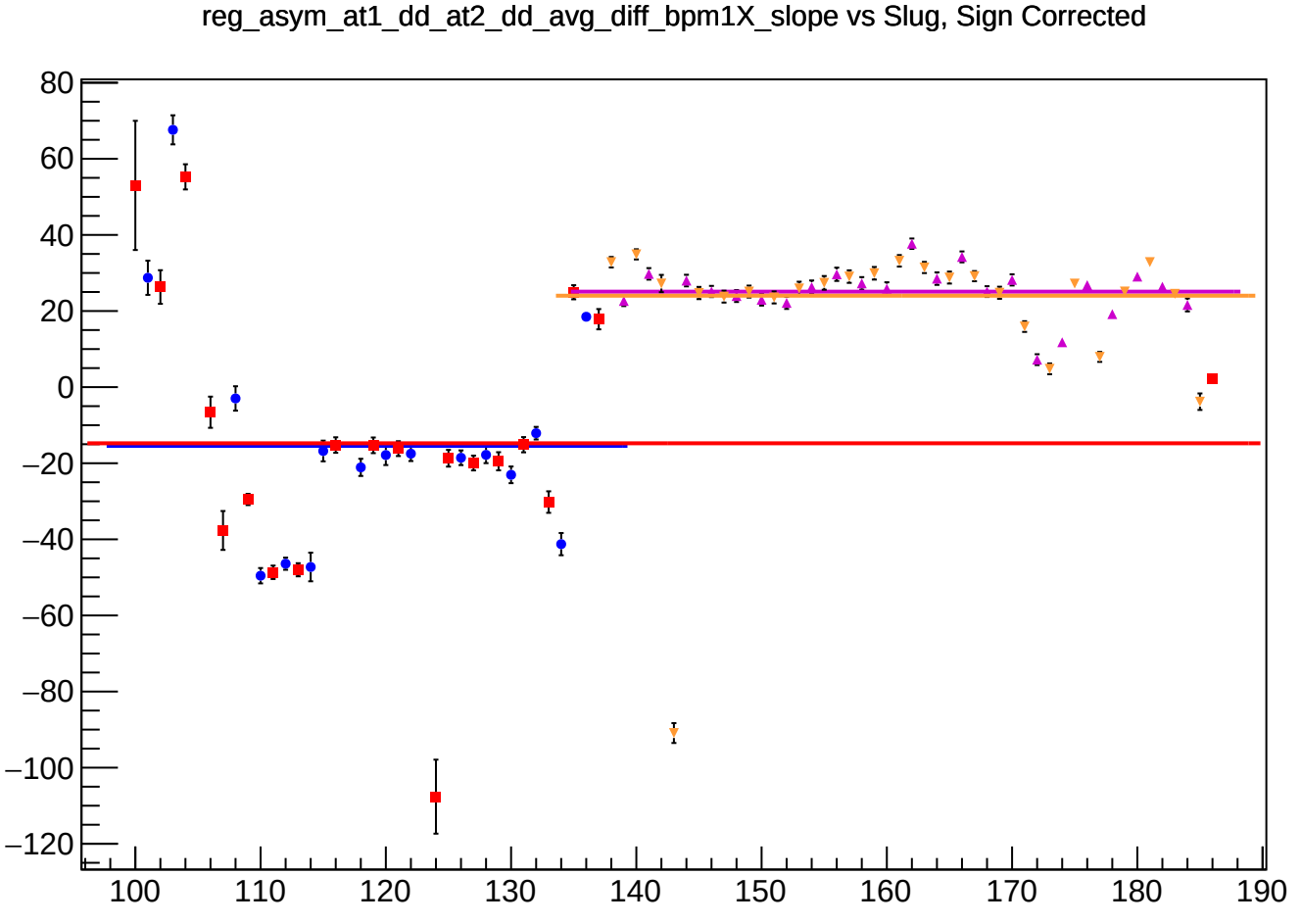
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 10.221+/-0.021 χ^2/NDF: 790625.0/35

In: -1.823+/-0.010 χ^2/NDF:1111163.2/38

Out: -1.229+/-0.010 χ^2/NDF:1532997.1/44

All: -1.524+/-0.007 χ^2/NDF: 2645990.0/83


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
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−20
−40
−60
−80
−100
−120
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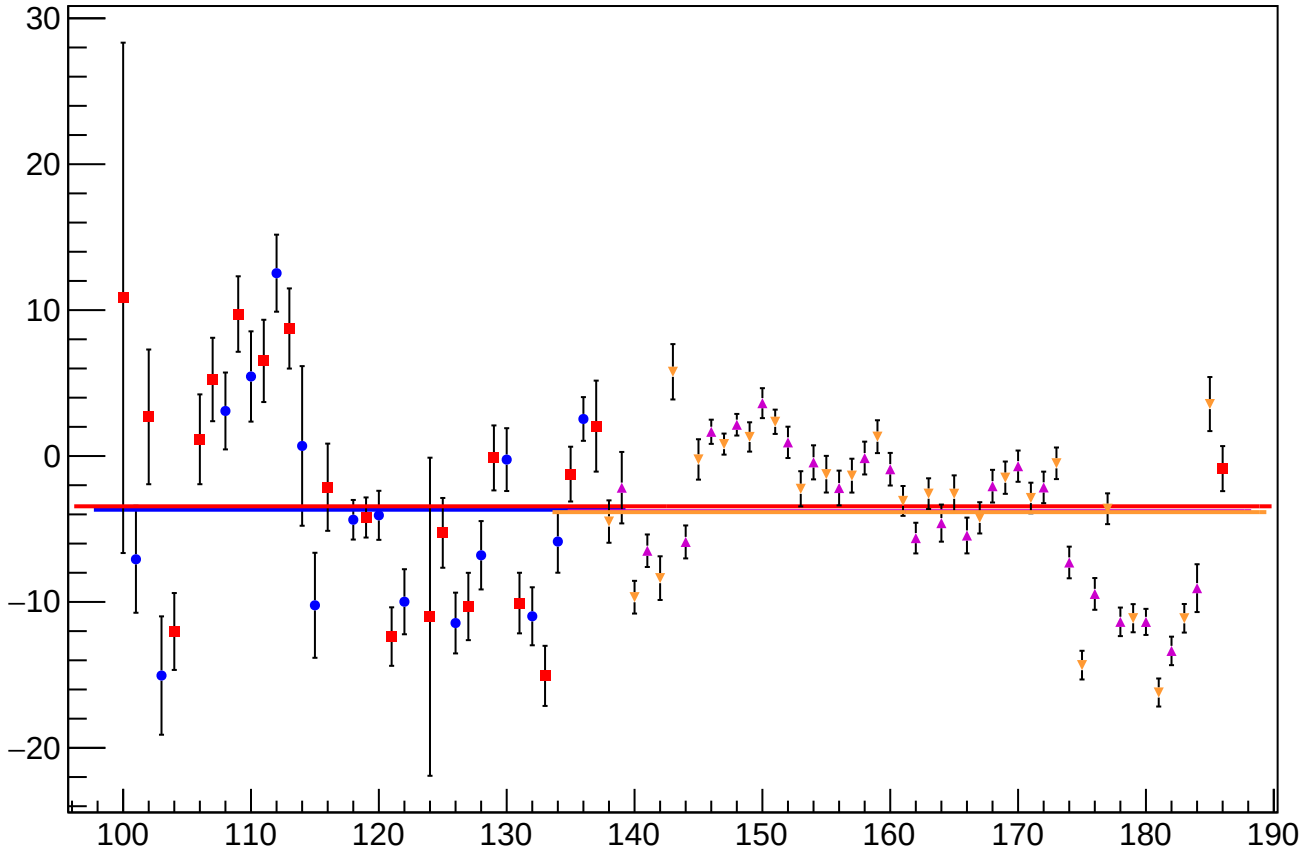
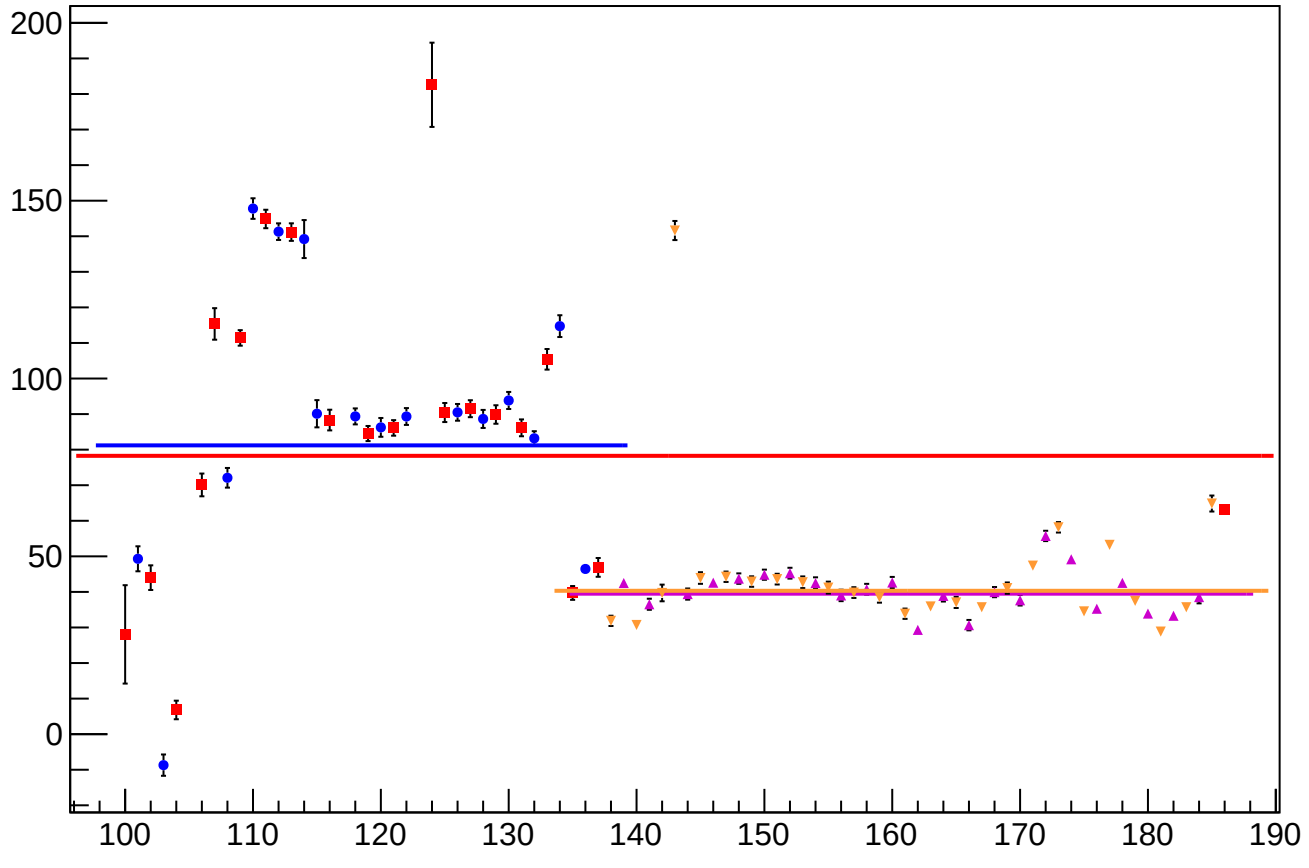
120
130
140
150
160
170
180
190
Right In: -15.438+/-0.539 χ2/NDF: 2124.2/15
Left Out: 24.025+/-0.282 χ2/NDF:2802.2/24
Right Out: -14.757+/-0.487 χ2/NDF: 2345.9/19
Left In: 25.089+/-0.287 χ2/NDF:495.3/22
Left: 24.547+/-0.201 χ2/NDF: 3304.5/47
Right: -15.063+/-0.361 χ2/NDF: 4470.9/35
In: 16.128+/-0.253 χ2/NDF:7022.1/38
Out: 14.287+/-0.244 χ2/NDF:9896.5/44
All: 15.173+/-0.176 χ2/NDF: 16946.0/83


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -3.845+/-0.218 χ²/NDF:649.4/24
Right Out: -3.446+/-0.530 χ²/NDF: 164.4/19
Left In: -3.780+/-0.224 χ²/NDF:509.8/22
Left: -3.813+/-0.156 χ²/NDF: 1159.2/47
Right: -3.558+/-0.382 χ²/NDF: 288.5/35
In: -3.766+/-0.207 χ²/NDF:633.8/38
Out: -3.787+/-0.201 χ²/NDF:814.2/44
All: -3.777+/-0.144 χ²/NDF: 1448.1/83



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

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

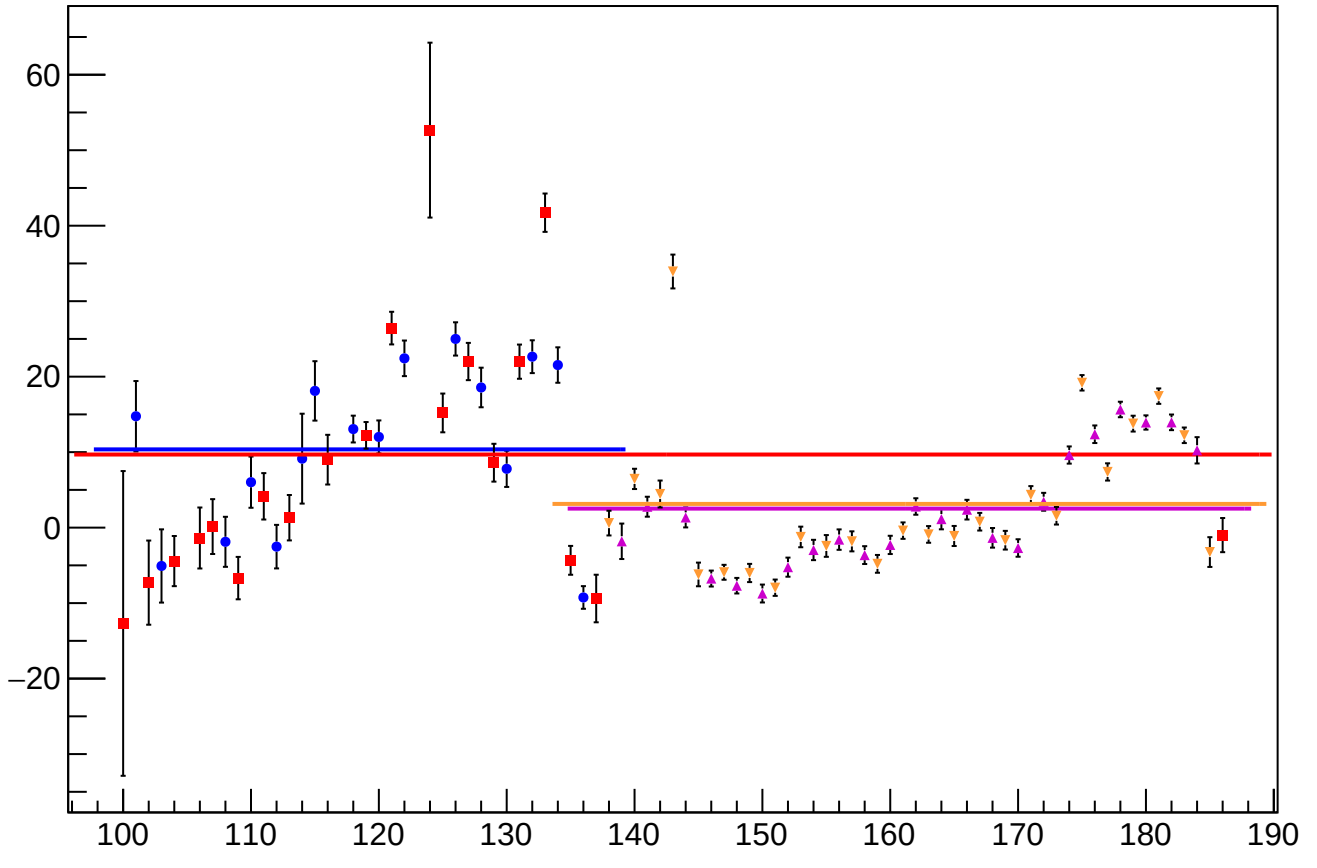
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 79.518+/-0.397 χ^2/NDF: 6769.5/35

In: 47.023+/-0.258 χ^2/NDF:7530.2/38

Out: 48.757+/-0.247 χ^2/NDF:9790.3/44

All: 47.927+/-0.178 χ^2/NDF: 17344.1/83



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 9.684+/-0.616 χ^2/NDF: 494.8/19

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

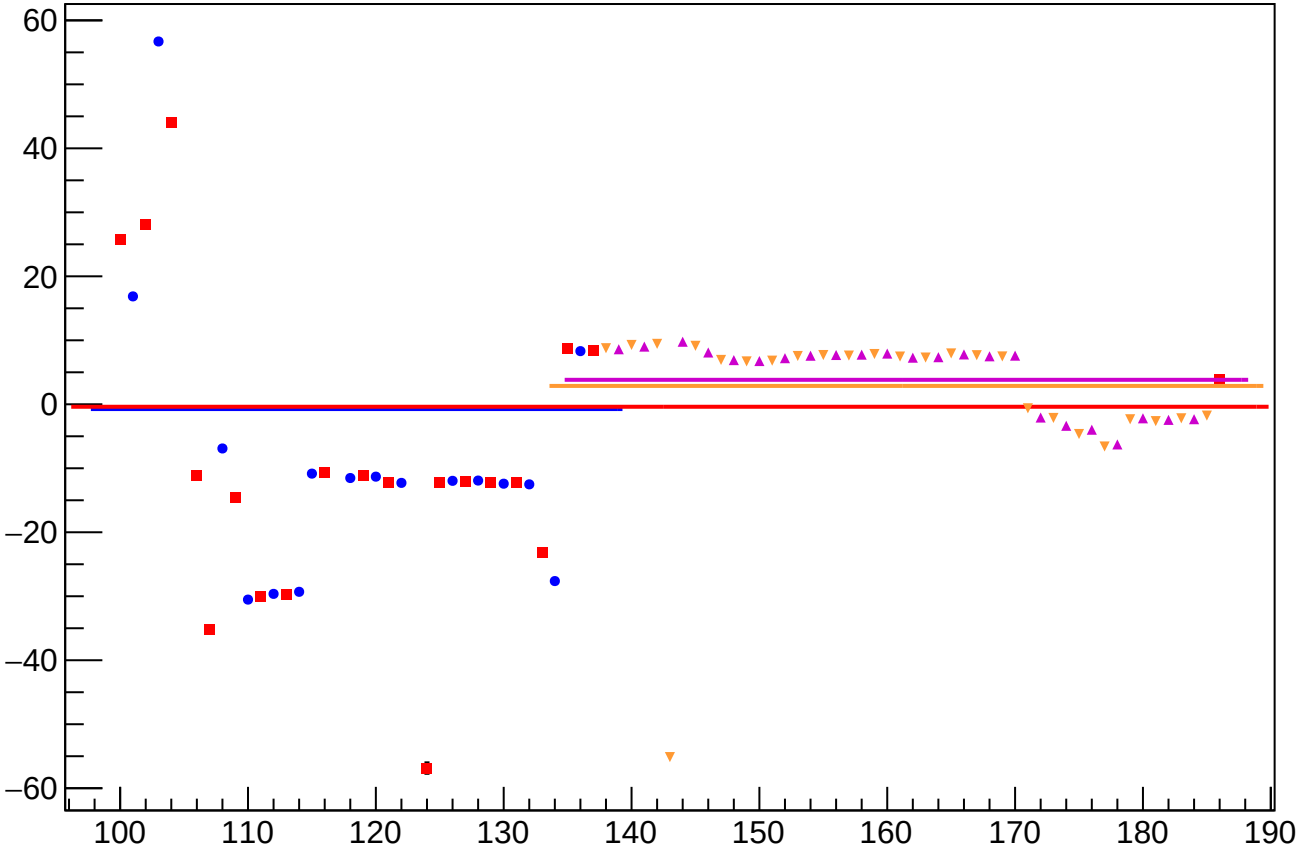
Right: 10.020+/-0.439 χ^2/NDF: 855.2/35

In: 3.604+/-0.233 χ^2/NDF:1463.2/38

Out: 4.038+/-0.228 χ^2/NDF:1859.1/44

All: 3.826+/-0.163 χ^2/NDF: 3324.0/83

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 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

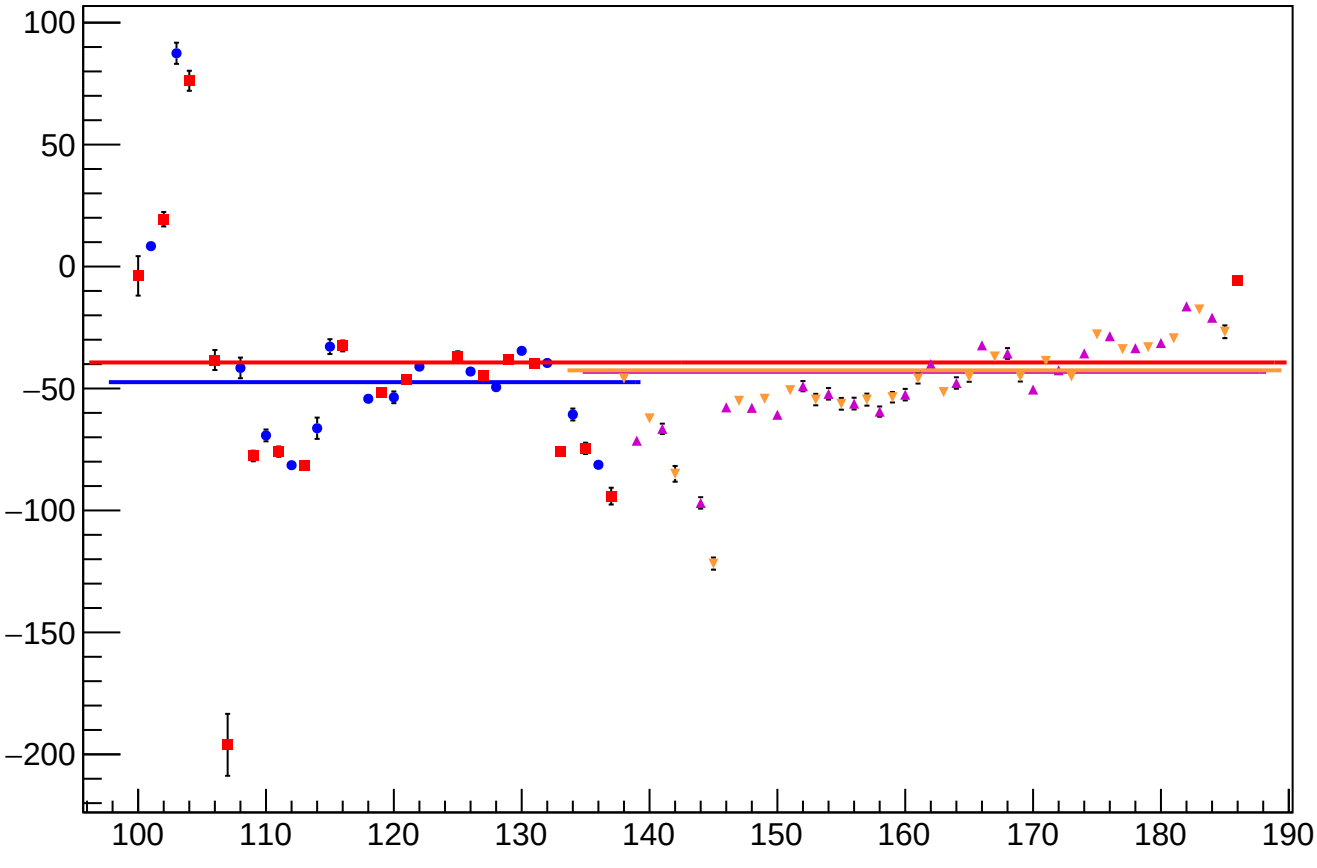
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: -0.568+/-0.026 χ^2/NDF: 685276.3/35

In: 3.426+/-0.011 χ^2/NDF:616025.6/38

Out: 2.597+/-0.011 χ^2/NDF:836917.6/44

All: 3.008+/-0.007 χ^2/NDF: 1456019.3/83



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

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

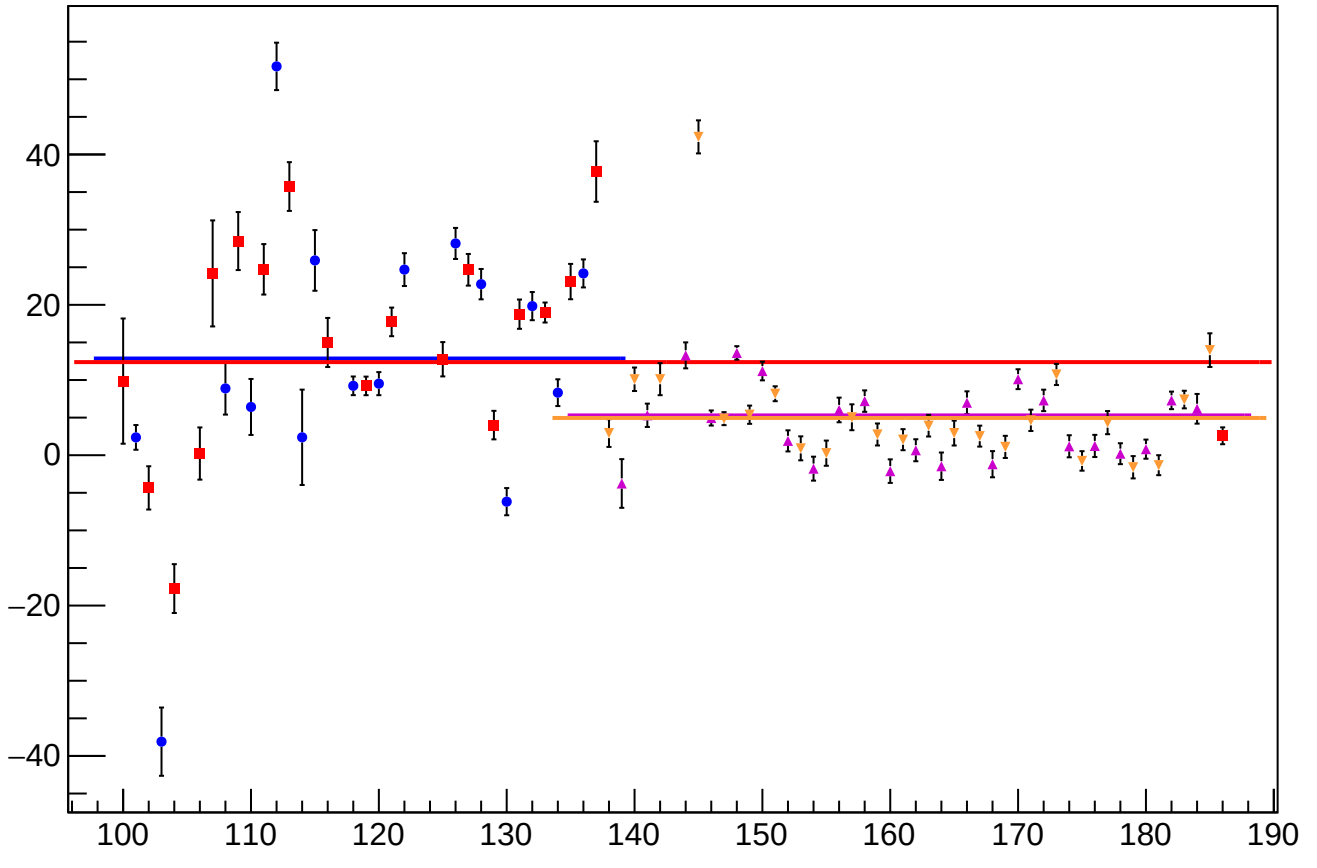
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -42.816+/-0.352 χ^2/NDF: 7632.3/34

In: -44.583+/-0.311 χ^2/NDF:5017.4/38

Out: -41.278+/-0.294 χ^2/NDF:7089.4/42

All: -42.840+/-0.214 χ^2/NDF: 12166.5/81



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

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

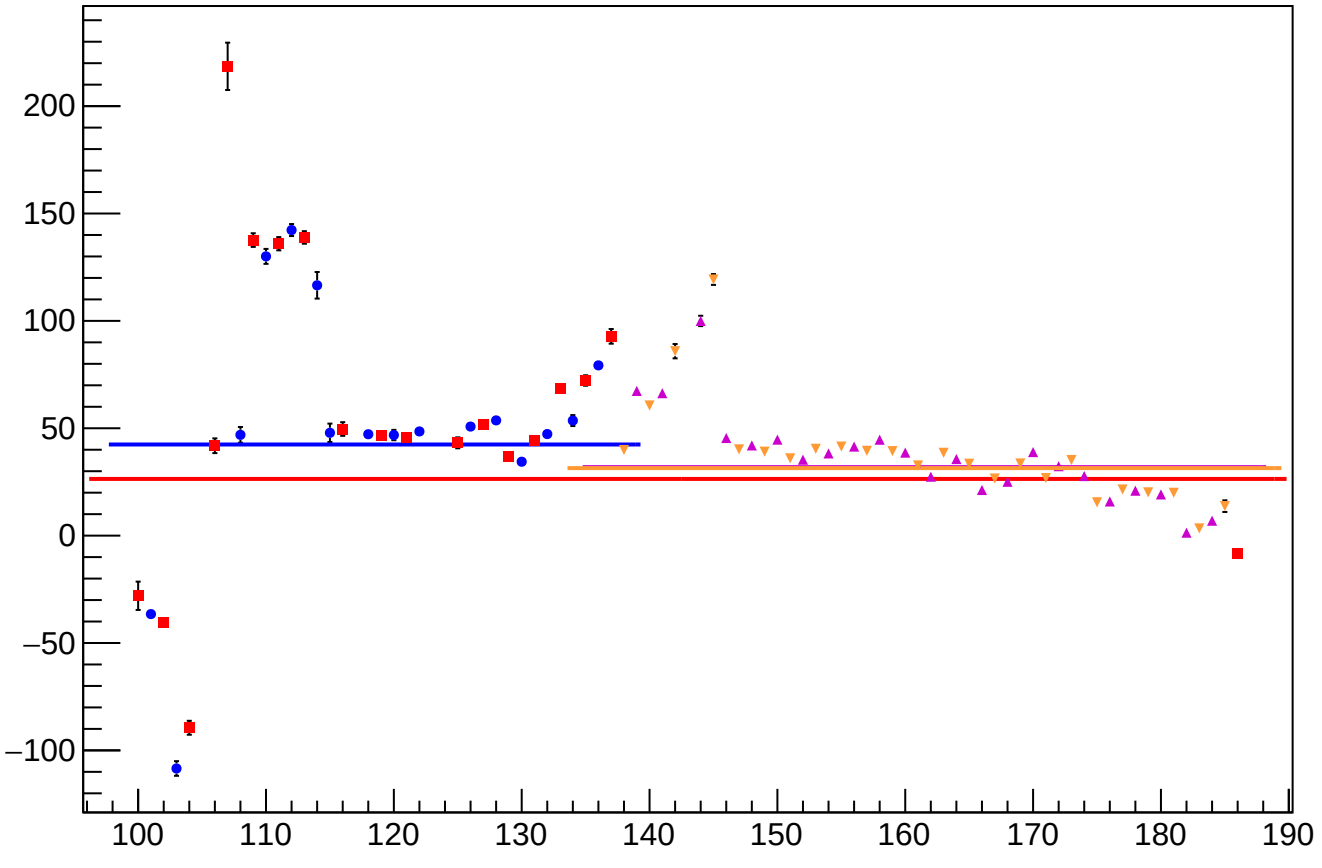
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 12.607+/-0.356 χ^2/NDF: 1084.4/34

In: 7.135+/-0.256 χ^2/NDF:1072.9/38

Out: 6.868+/-0.249 χ^2/NDF:1078.4/42

All: 6.998+/-0.178 χ^2/NDF: 2151.9/81



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

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

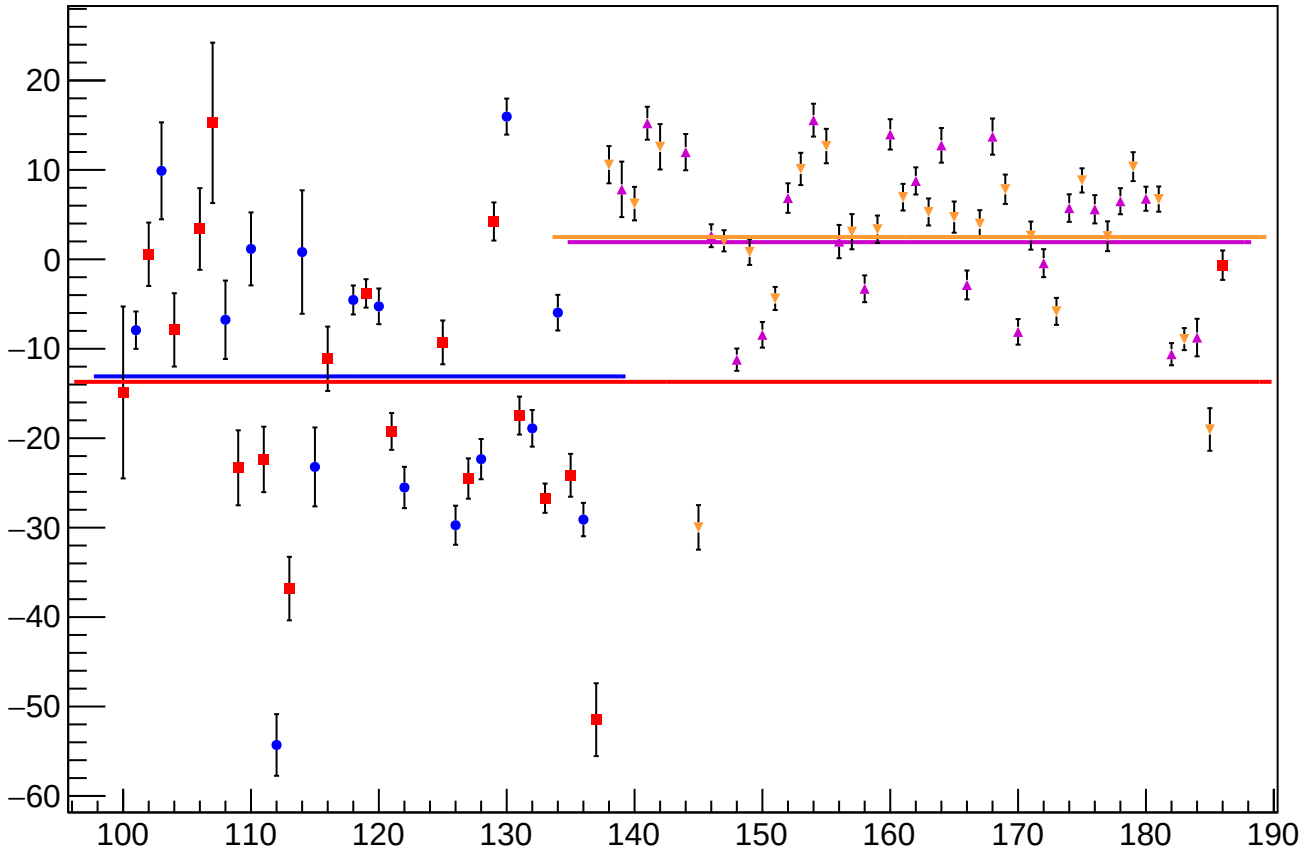
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 32.685+/-0.366 χ^2/NDF: 18134.2/34

In: 35.007+/-0.317 χ^2/NDF:10165.5/38

Out: 29.472+/-0.293 χ^2/NDF:13339.6/42

All: 32.019+/-0.215 χ^2/NDF: 23669.2/81



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

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

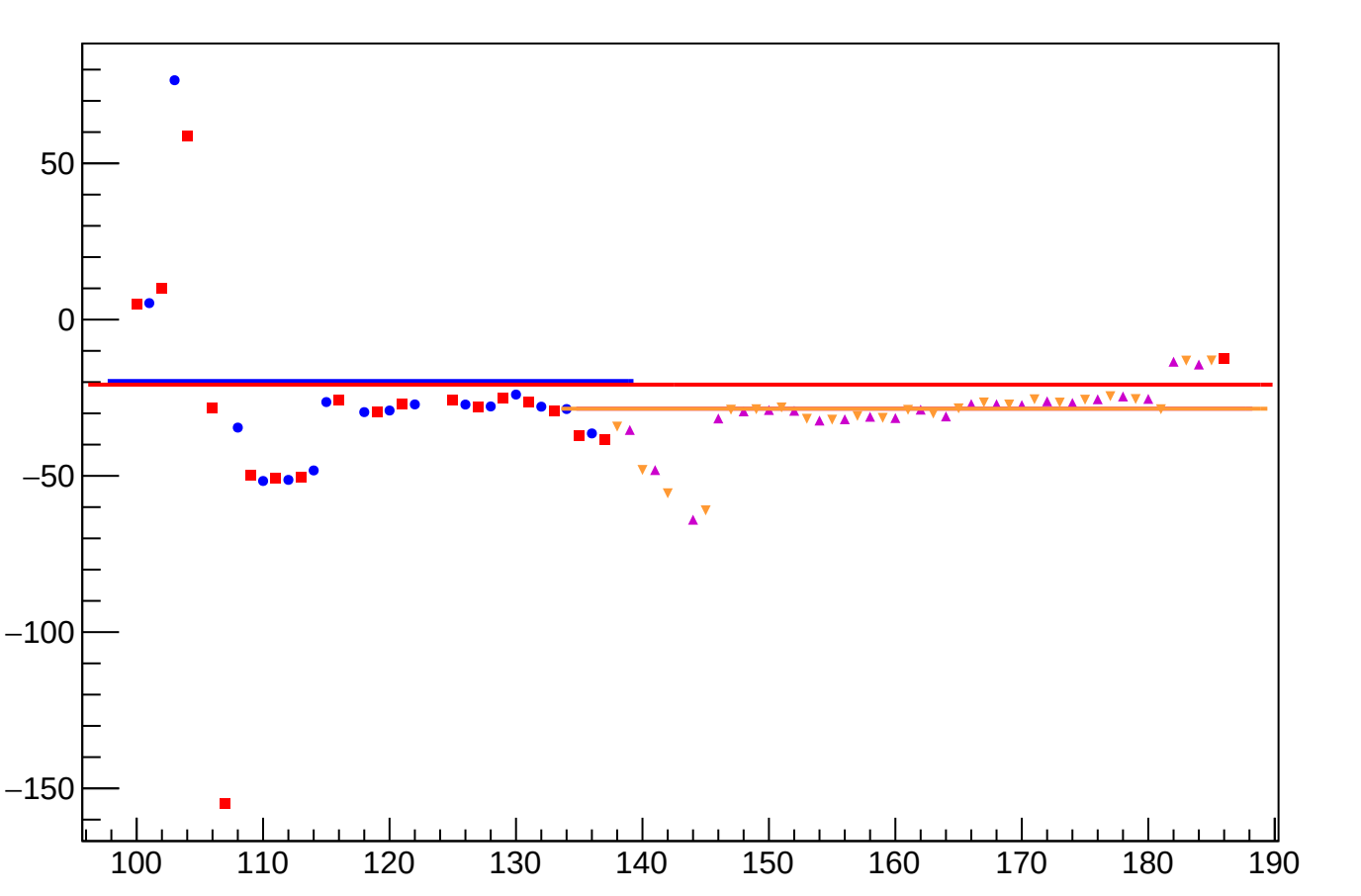
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -13.401+/-0.419 χ^2/NDF: 1114.2/34

In: -1.600+/-0.290 χ^2/NDF:1798.3/38

Out: -1.348+/-0.285 χ^2/NDF:1615.1/42

All: -1.472+/-0.204 χ^2/NDF: 3413.8/81



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

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

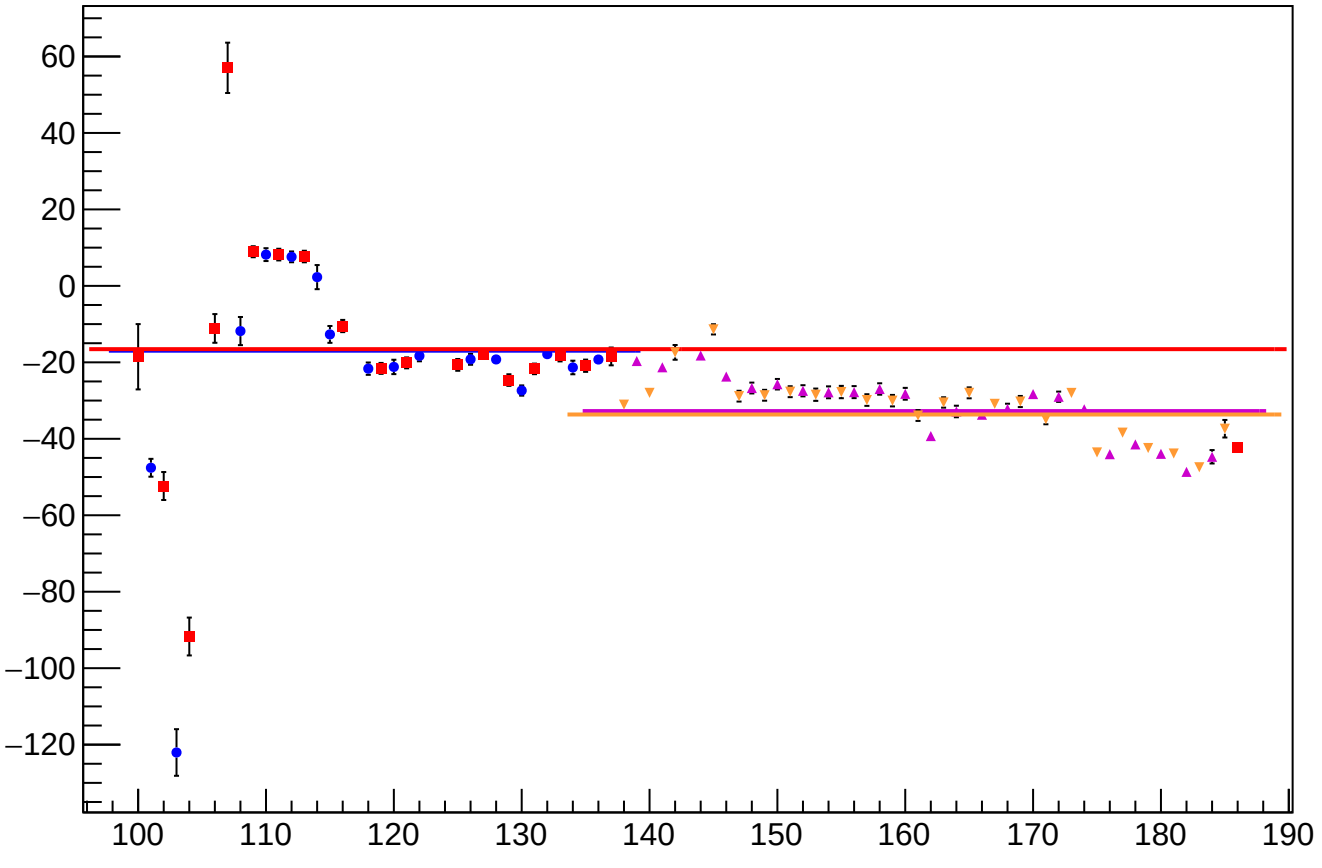
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

Right: -20.213+/-0.026 χ^2/NDF: 1199770.5/34

In: -27.221+/-0.014 χ^2/NDF:986111.6/38

Out: -27.450+/-0.014 χ^2/NDF:923676.9/42

All: -27.336+/-0.010 χ^2/NDF: 1909928.6/81


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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−80
−100
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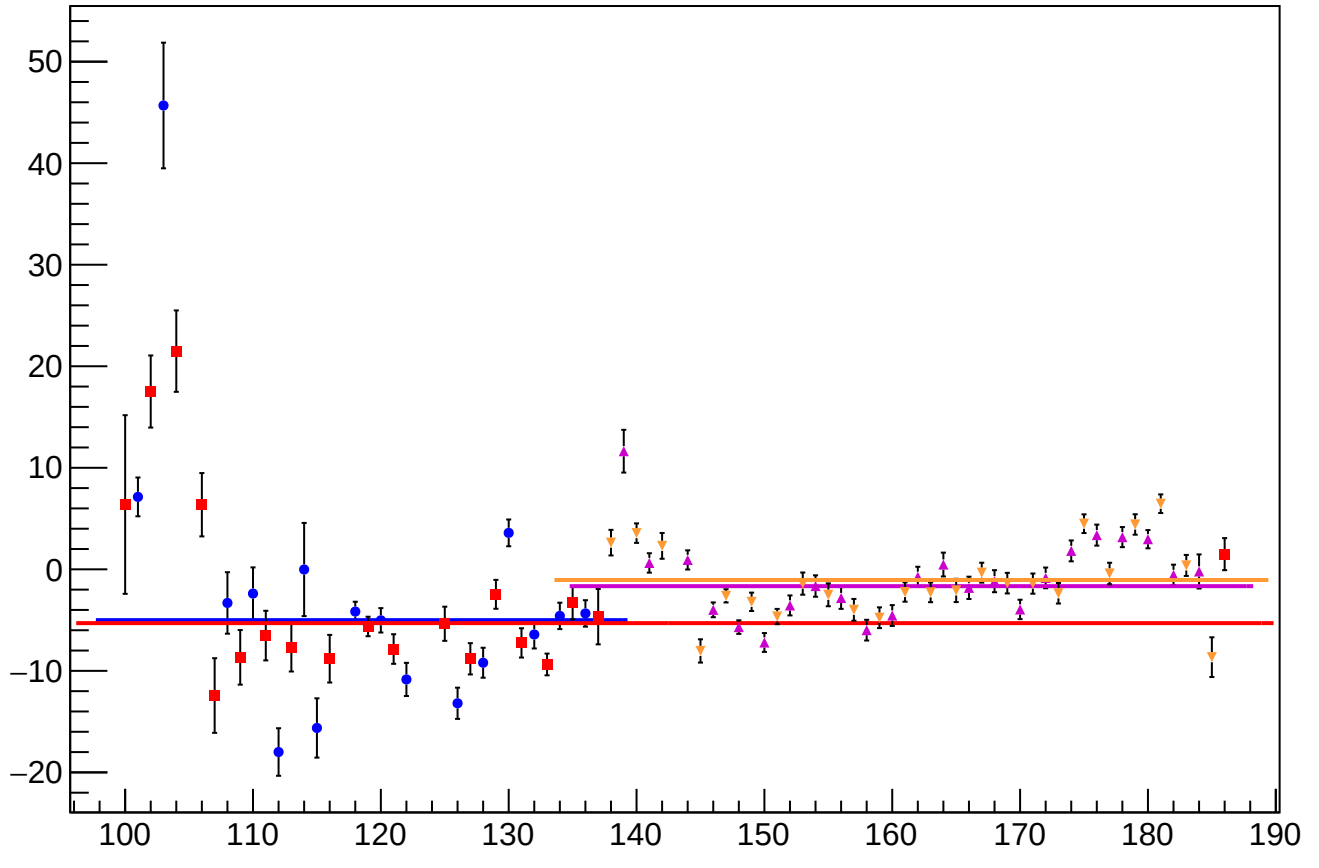
170
180
190
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -16.552+/-0.389 χ²/NDF: 1792.3/18
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -16.743+/-0.280 χ²/NDF: 2921.0/34
In: -27.906+/-0.224 χ²/NDF:3333.1/38
Out: -28.223+/-0.219 χ²/NDF:4125.8/42
All: -28.068+/-0.157 χ²/NDF: 7460.0/81


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
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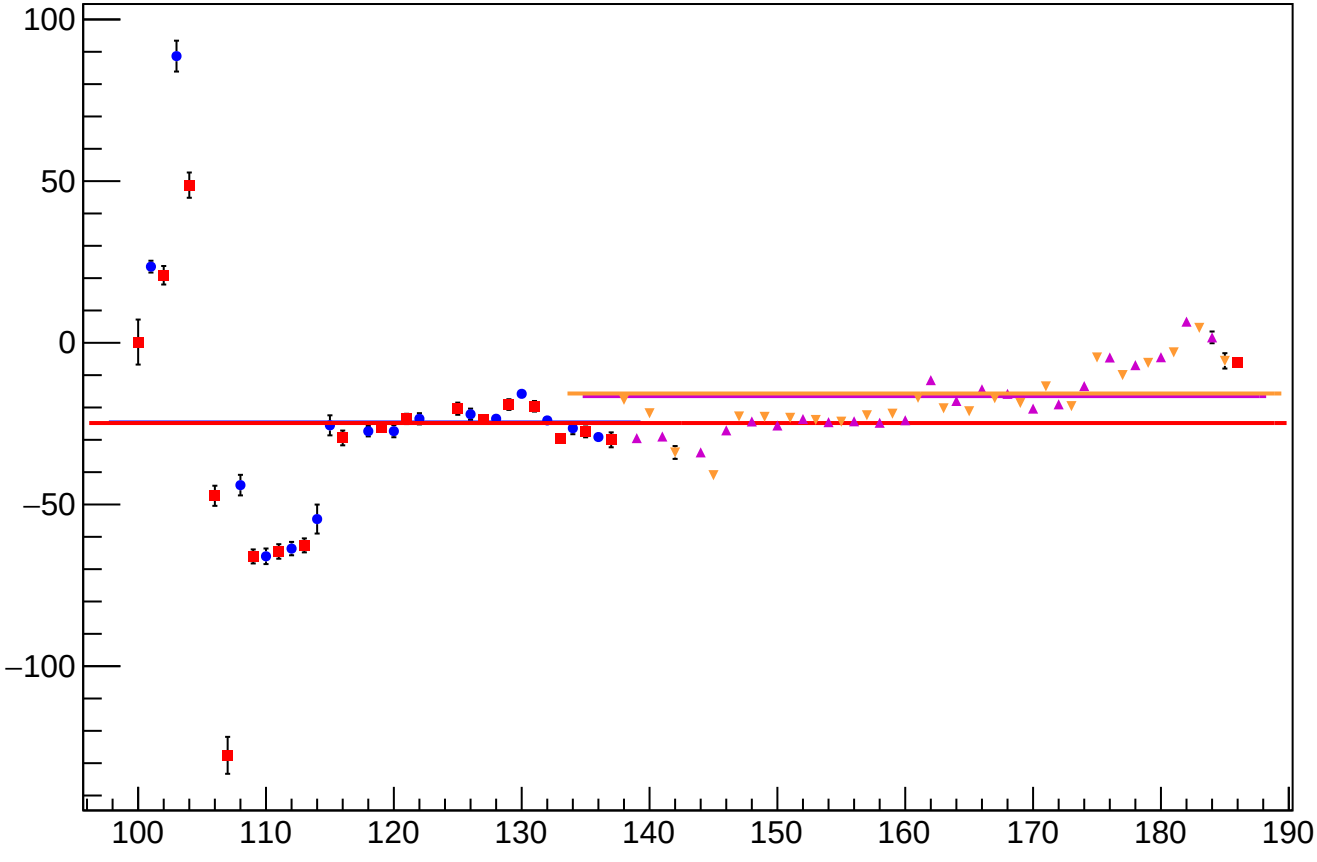
Right In: -5.006+/-0.401 χ²/NDF: 247.8/15
Left Out: -1.050+/-0.203 χ²/NDF:289.4/23
Right Out: -5.299+/-0.405 χ²/NDF: 159.2/18
Left In: -1.659+/-0.207 χ²/NDF:264.4/22
Left: -1.349+/-0.145 χ²/NDF: 558.2/46
Right: -5.151+/-0.285 χ²/NDF: 407.2/34
In: -2.360+/-0.184 χ²/NDF:567.1/38
Out: -1.901+/-0.181 χ²/NDF:536.5/42
All: -2.128+/-0.129 χ²/NDF: 1106.7/81

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -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

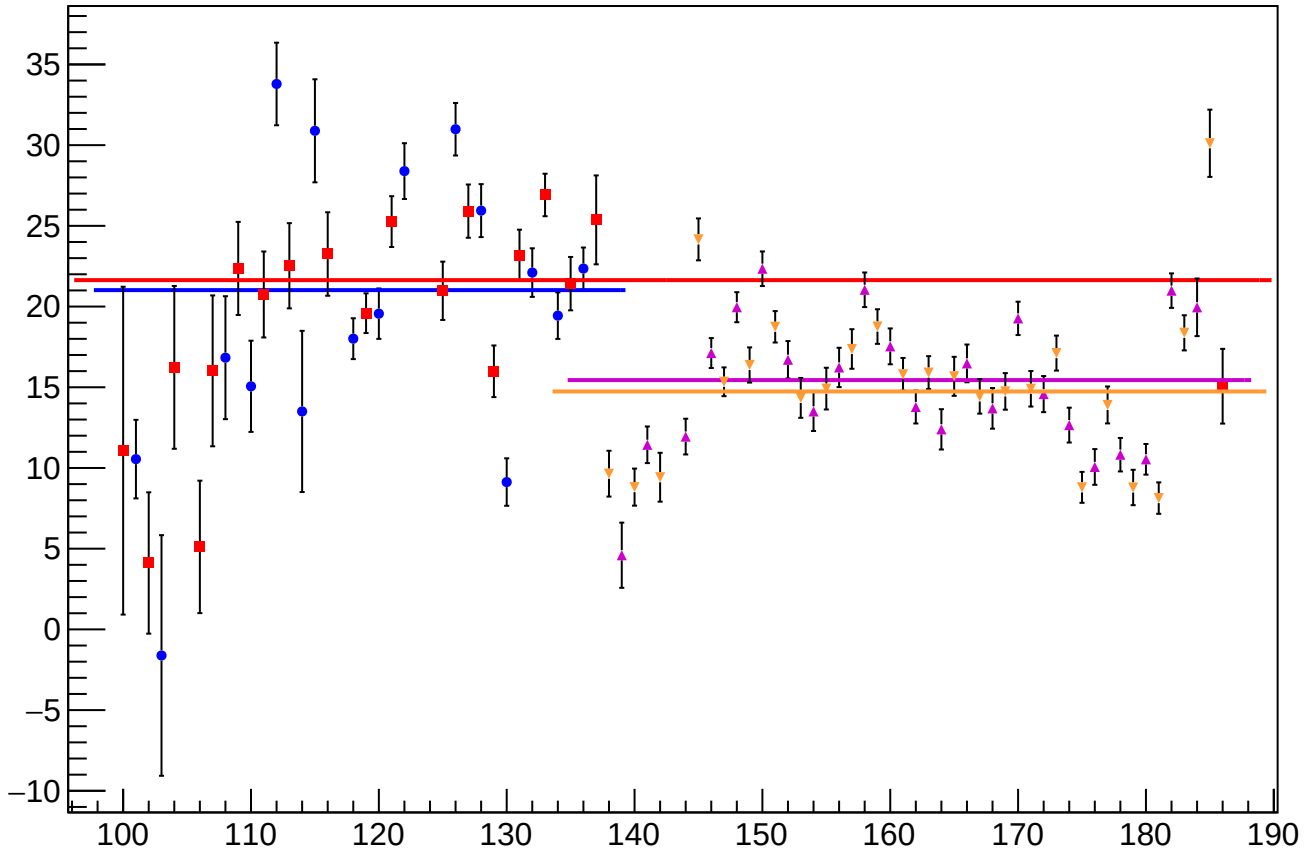
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.730+/-0.312 χ^2/NDF: 4431.6/34

In: -18.558+/-0.230 χ^2/NDF:3989.4/38

Out: -18.165+/-0.224 χ^2/NDF:4229.2/42

All: -18.357+/-0.160 χ^2/NDF: 8220.2/81



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

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

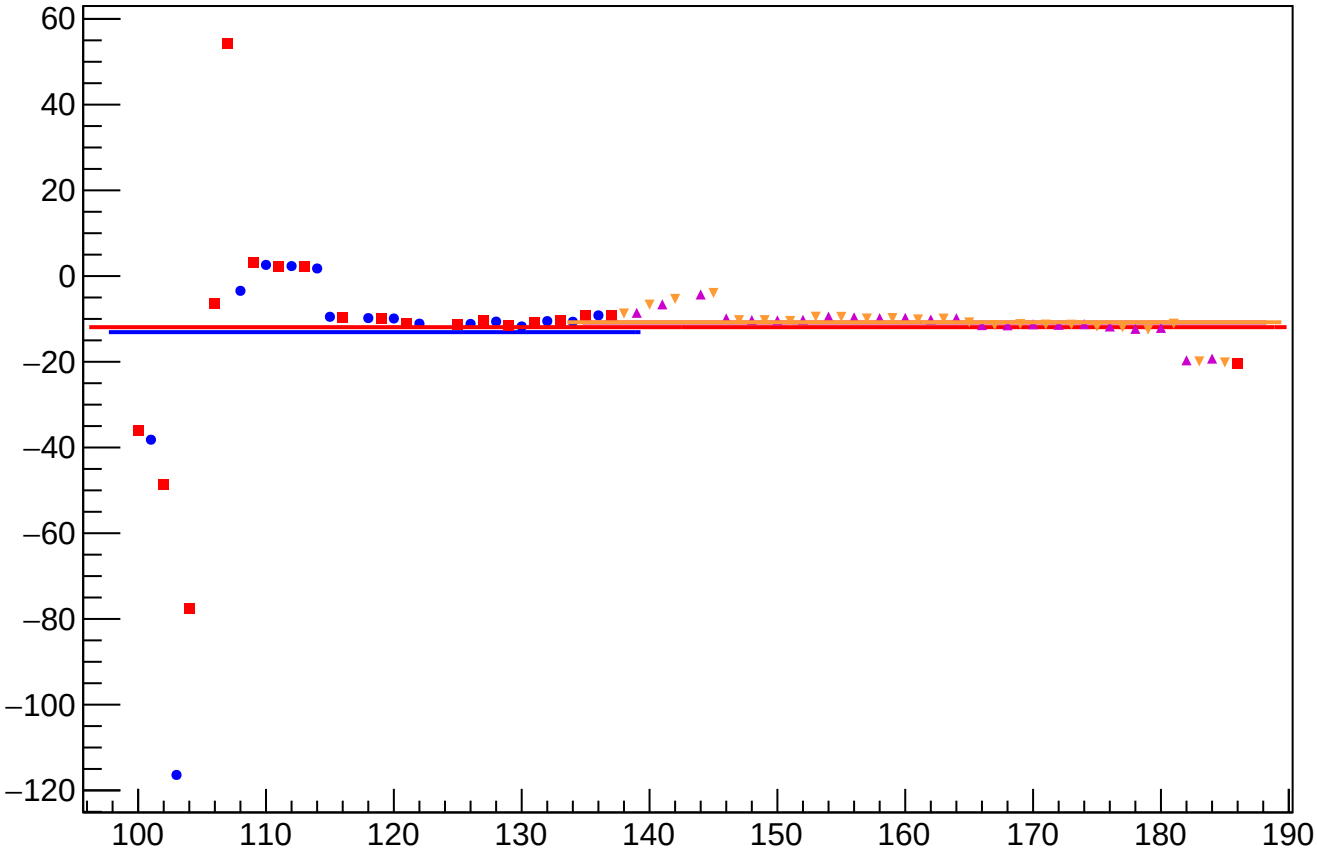
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 21.321+/-0.328 χ^2/NDF: 301.4/34

In: 16.590+/-0.208 χ^2/NDF:617.6/38

Out: 16.074+/-0.206 χ^2/NDF:596.7/42

All: 16.330+/-0.146 χ^2/NDF: 1217.5/81



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

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

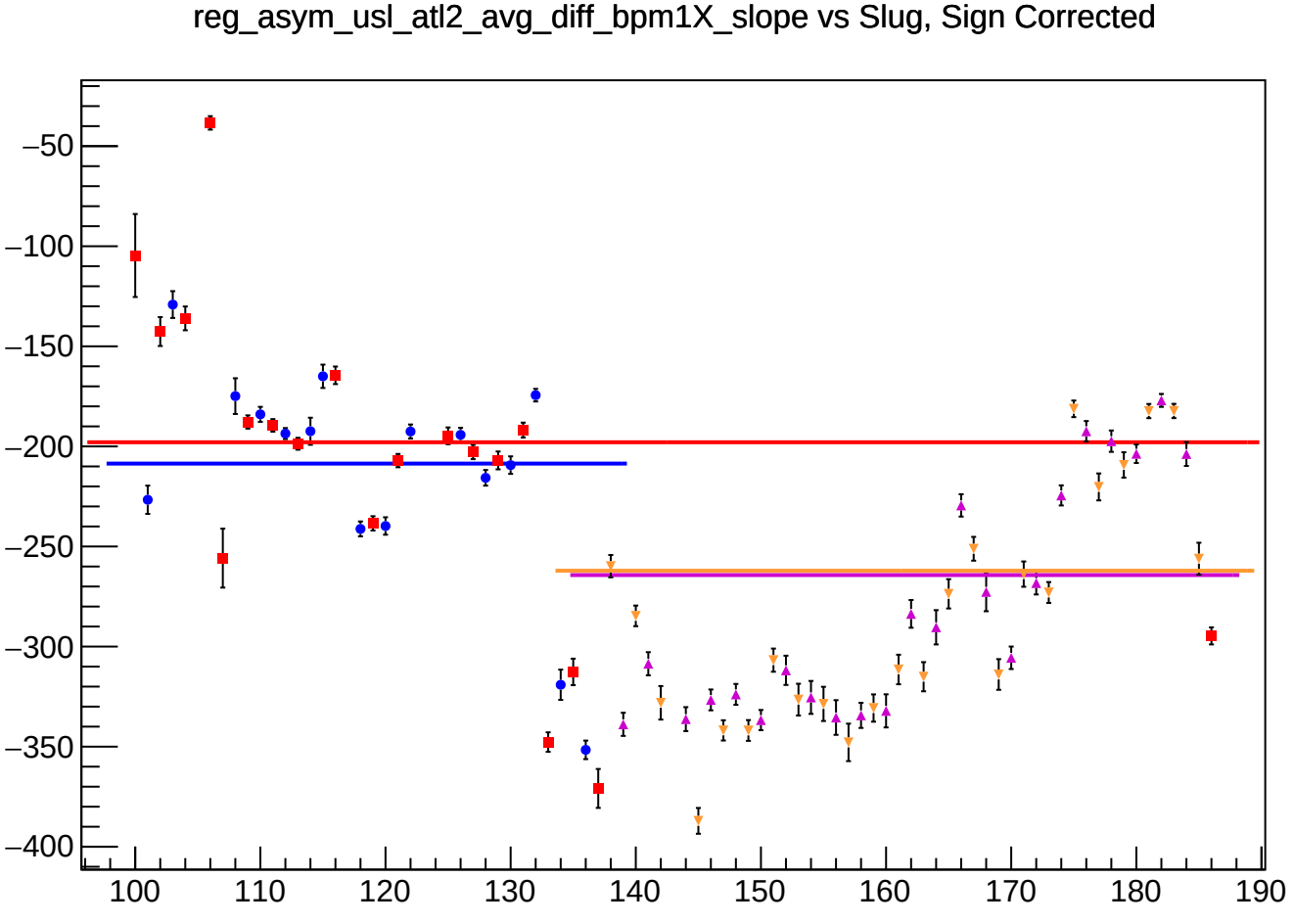
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -12.541+/-0.021 χ^2/NDF: 662765.7/34

In: -11.096+/-0.010 χ^2/NDF:424605.6/38

Out: -10.896+/-0.010 χ^2/NDF:403066.0/42

All: -10.996+/-0.007 χ^2/NDF: 827885.0/81



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

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

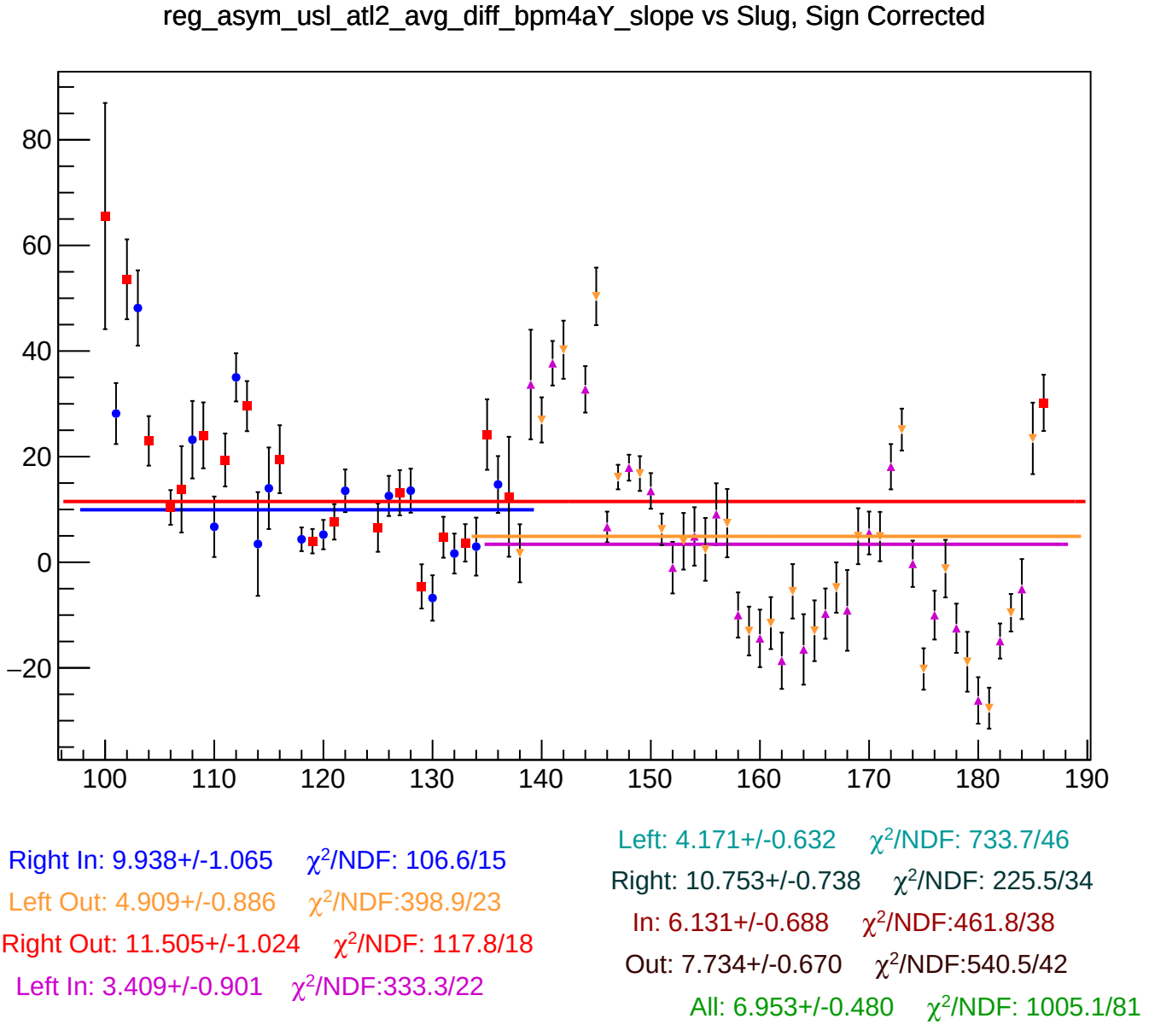
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -202.767+/-0.719 χ^2/NDF: 6556.0/34

In: -233.492+/-0.793 χ^2/NDF:5712.4/38

Out: -223.906+/-0.750 χ^2/NDF:9477.8/42

All: -228.435+/-0.545 χ^2/NDF: 15267.3/81


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
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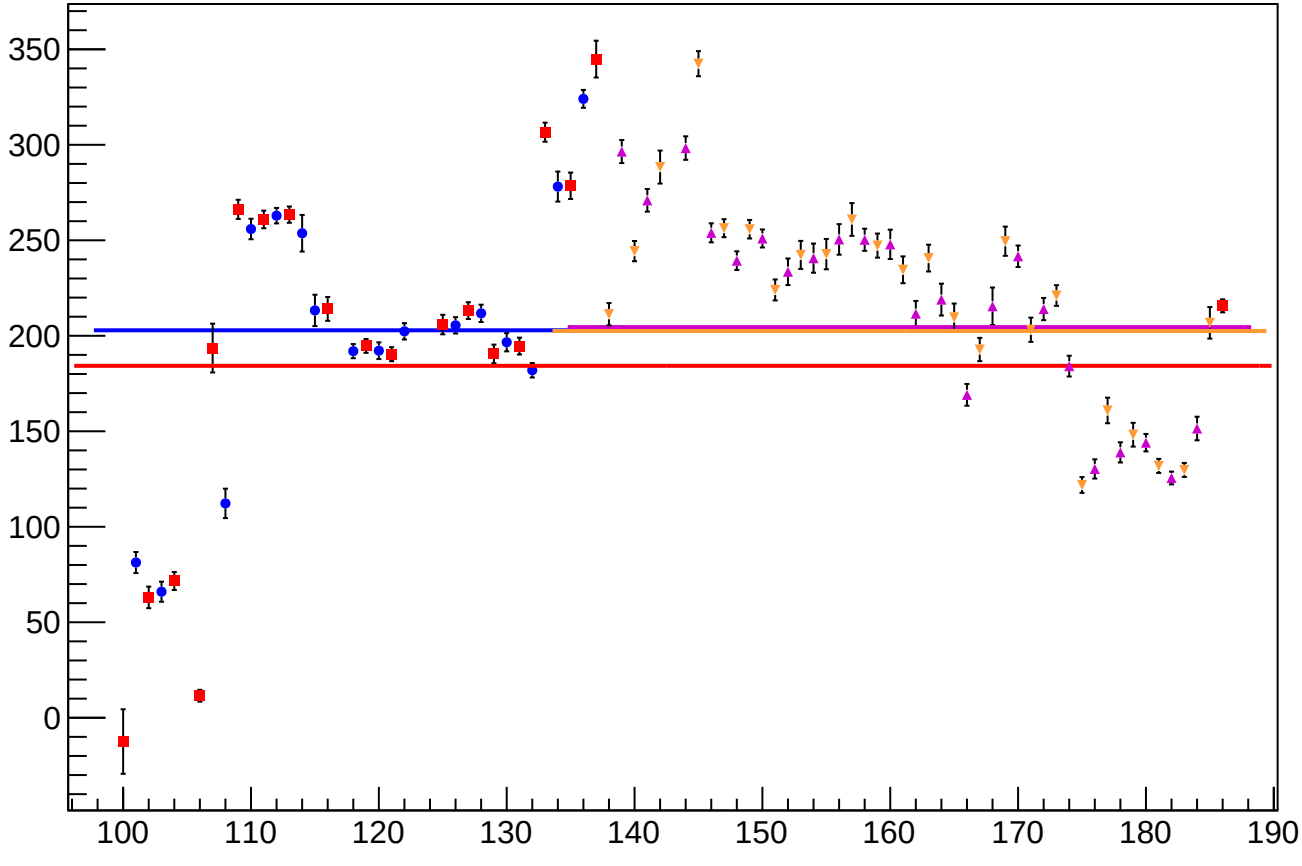
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 4.909+/-0.886 χ²/NDF:398.9/23
Right Out: 11.505+/-1.024 χ²/NDF: 117.8/18
Left In: 3.409+/-0.901 χ²/NDF:333.3/22
Left: 4.171+/-0.632 χ²/NDF: 733.7/46
Right: 10.753+/-0.738 χ²/NDF: 225.5/34
In: 6.131+/-0.688 χ²/NDF:461.8/38
Out: 7.734+/-0.670 χ²/NDF:540.5/42
All: 6.953+/-0.480 χ²/NDF: 1005.1/81

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 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

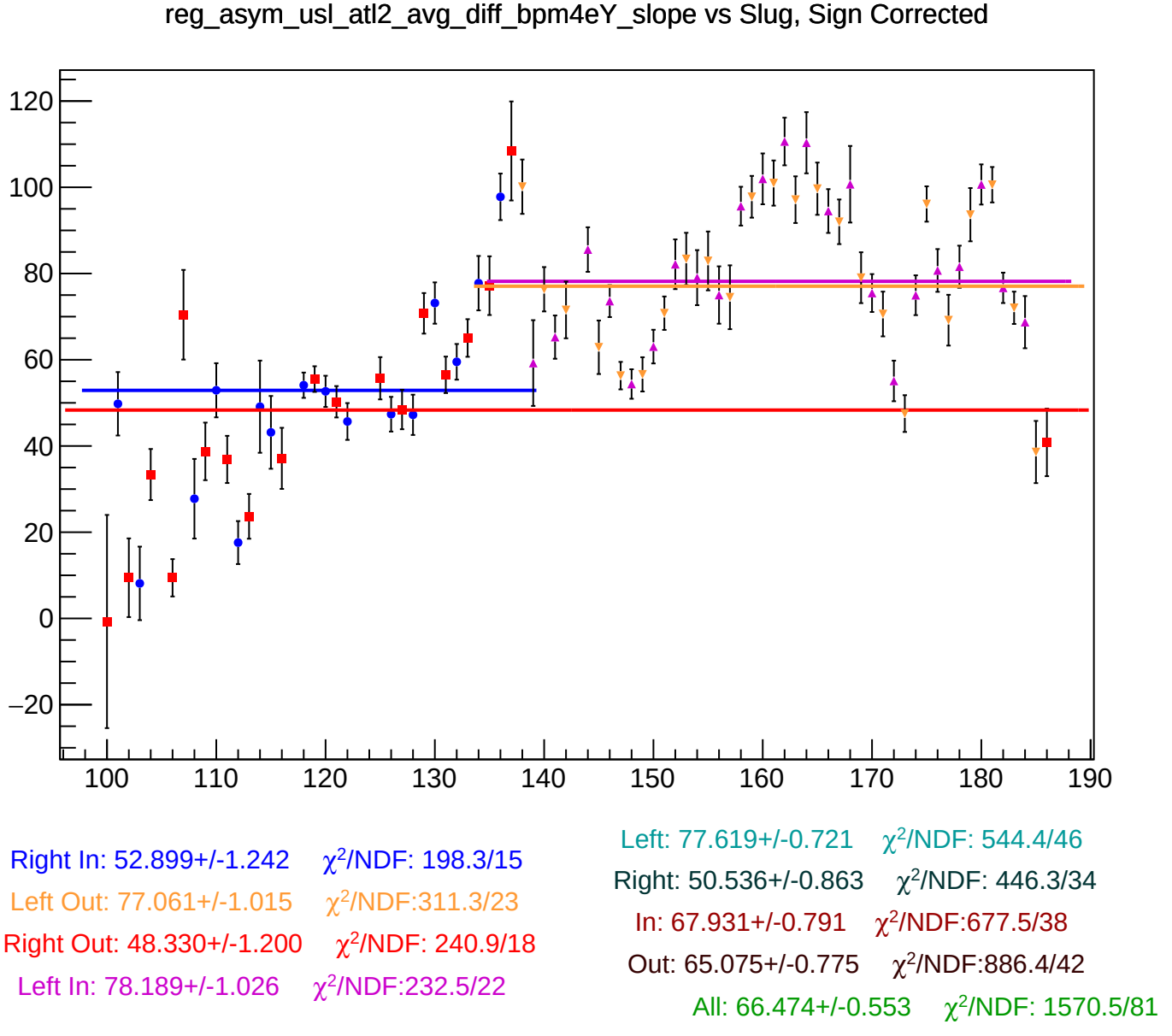
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 192.438+/-0.812 χ^2/NDF: 9036.0/34

In: 203.751+/-0.849 χ^2/NDF:4750.9/38

Out: 192.676+/-0.796 χ^2/NDF:8966.5/42

All: 197.858+/-0.581 χ^2/NDF: 13807.9/81


reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
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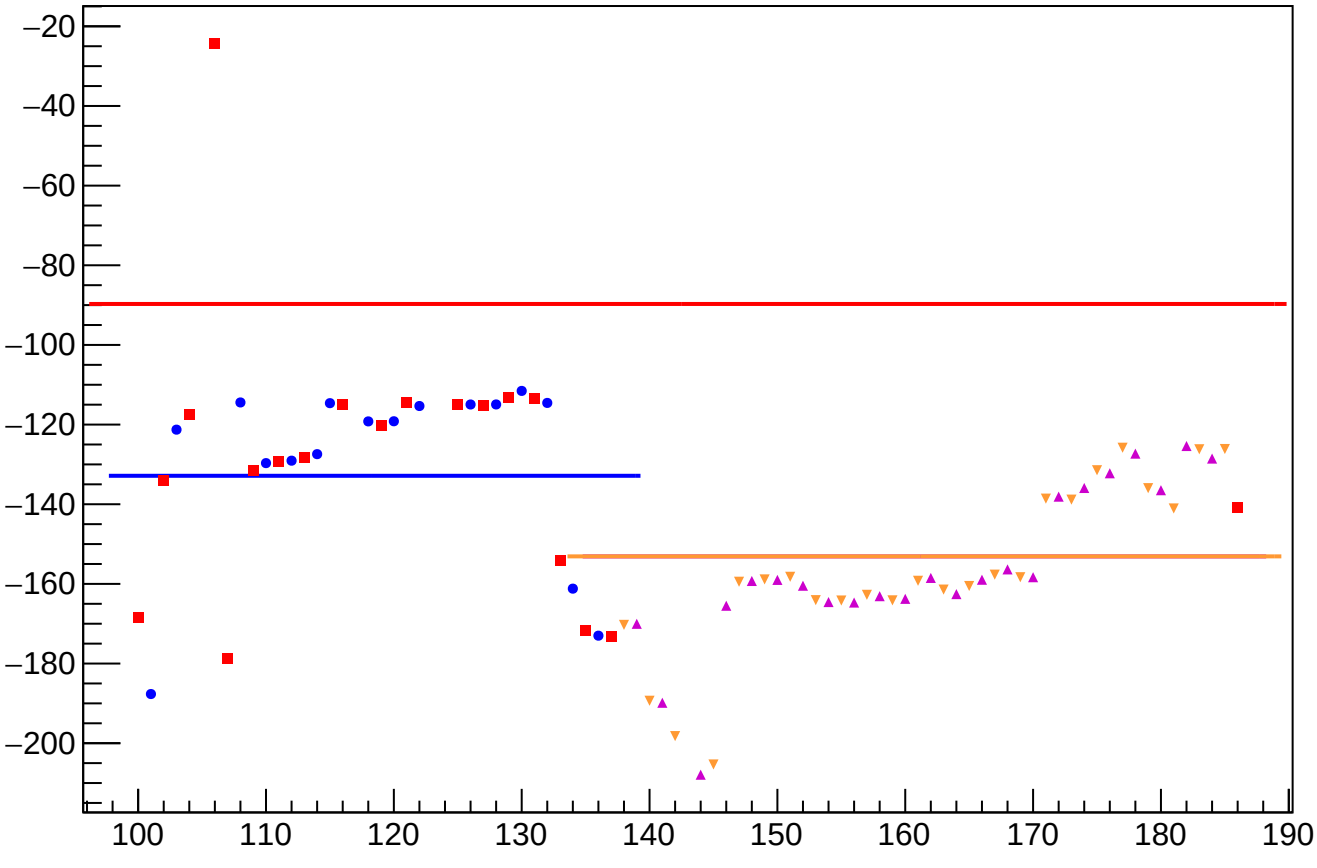
170
180
190
Right In: 52.899+/-1.242 χ²/NDF: 198.3/15
Left Out: 77.061+/-1.015 χ²/NDF:311.3/23
Right Out: 48.330+/-1.200 χ²/NDF: 240.9/18
Left In: 78.189+/-1.026 χ²/NDF:232.5/22
Left: 77.619+/-0.721 χ²/NDF: 544.4/46
Right: 50.536+/-0.863 χ²/NDF: 446.3/34
In: 67.931+/-0.791 χ²/NDF:677.5/38
Out: 65.075+/-0.775 χ²/NDF:886.4/42
All: 66.474+/-0.553 χ²/NDF: 1570.5/81



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

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

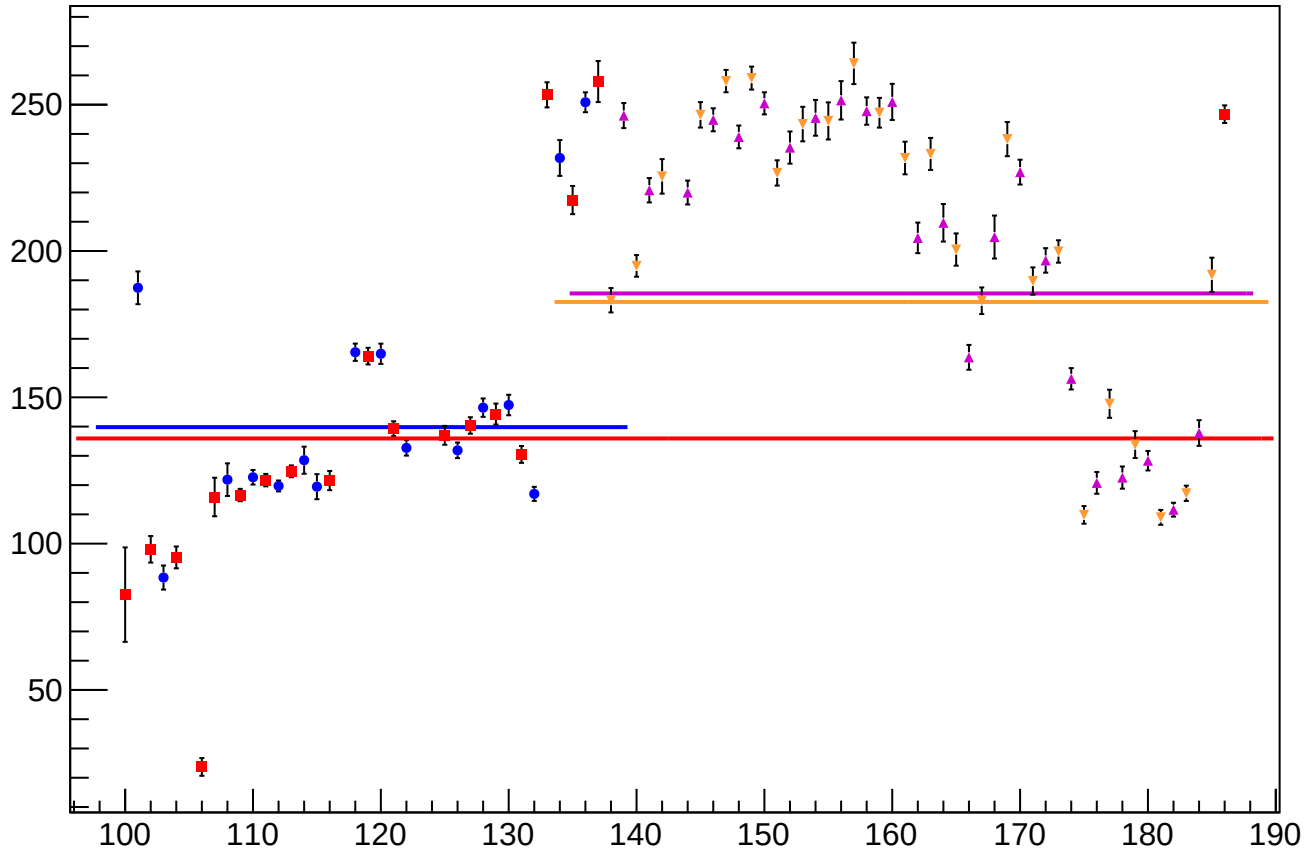
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -106.123+/-0.050 χ^2/NDF: 1004603.6/34

In: -148.095+/-0.040 χ^2/NDF:306763.2/38

Out: -130.817+/-0.038 χ^2/NDF:1555633.2/42

All: -138.866+/-0.028 χ^2/NDF: 1959812.4/81



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

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

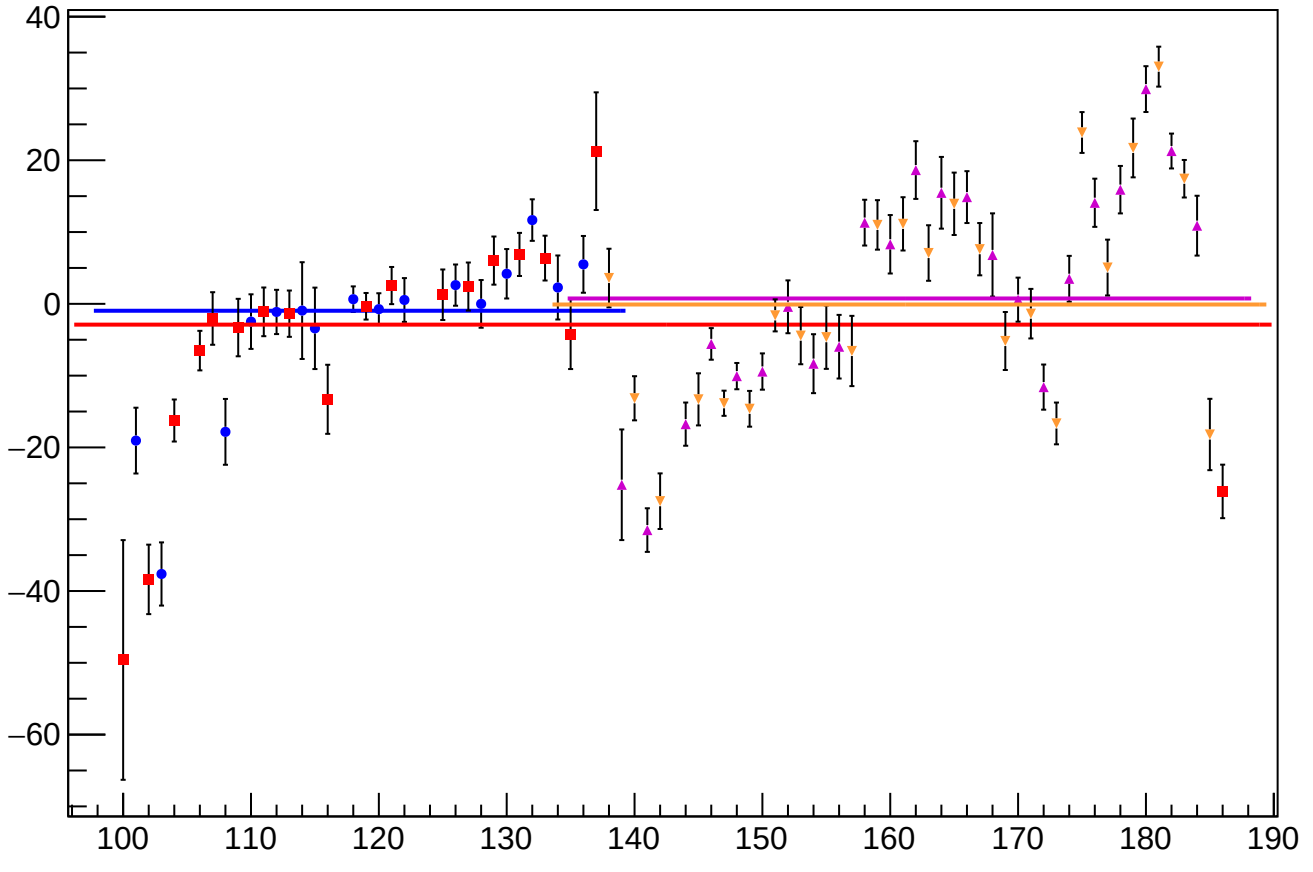
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 137.694+/-0.528 χ^2/NDF: 6539.3/34

In: 160.238+/-0.583 χ^2/NDF:7303.4/38

Out: 154.802+/-0.551 χ^2/NDF:10442.1/42

All: 157.363+/-0.400 χ^2/NDF: 17791.4/81



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

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

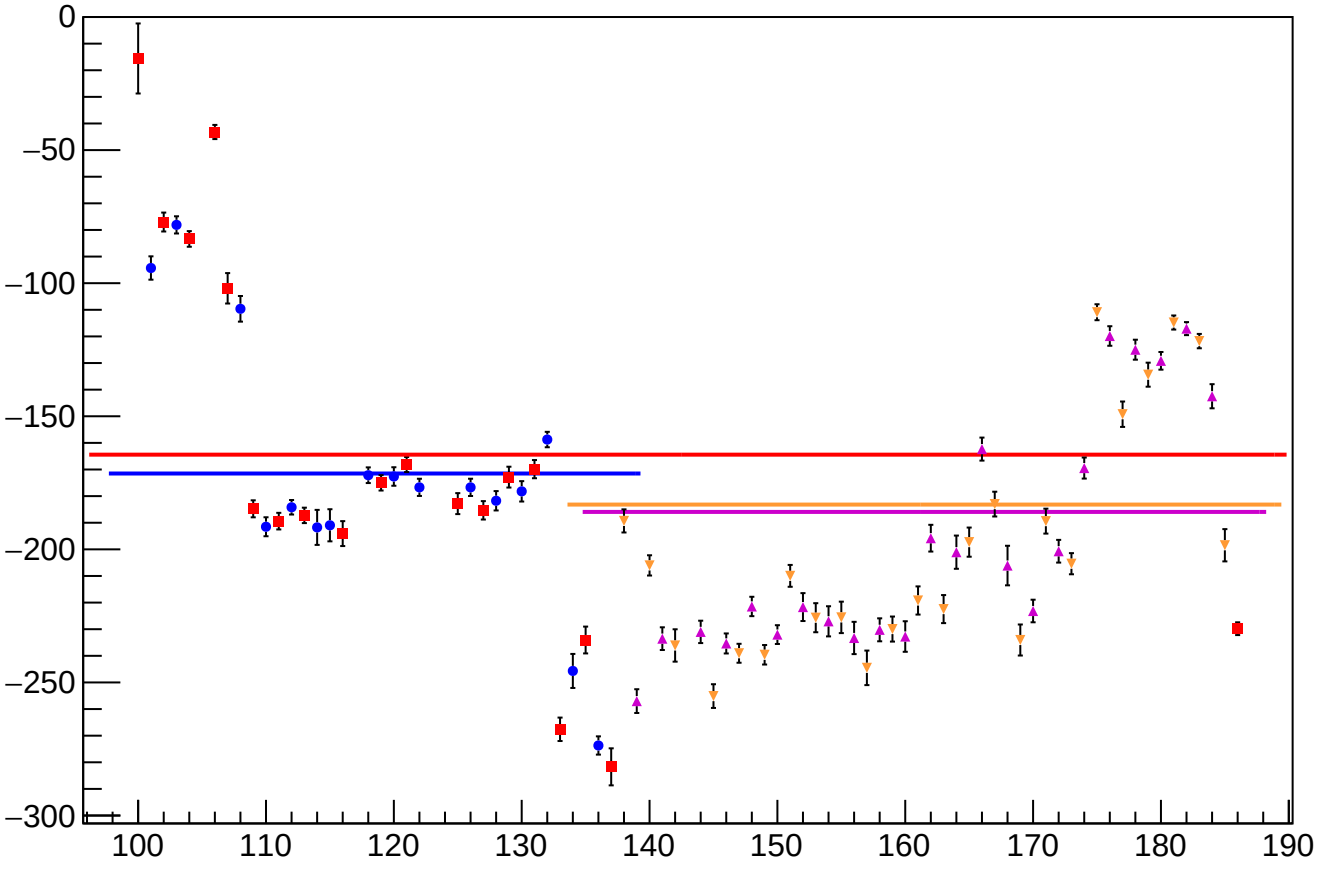
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -1.980+/-0.556 χ^2/NDF: 302.8/34

In: 0.056+/-0.514 χ^2/NDF:626.5/38

Out: -1.274+/-0.498 χ^2/NDF:736.8/42

All: -0.630+/-0.358 χ^2/NDF: 1366.8/81



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

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

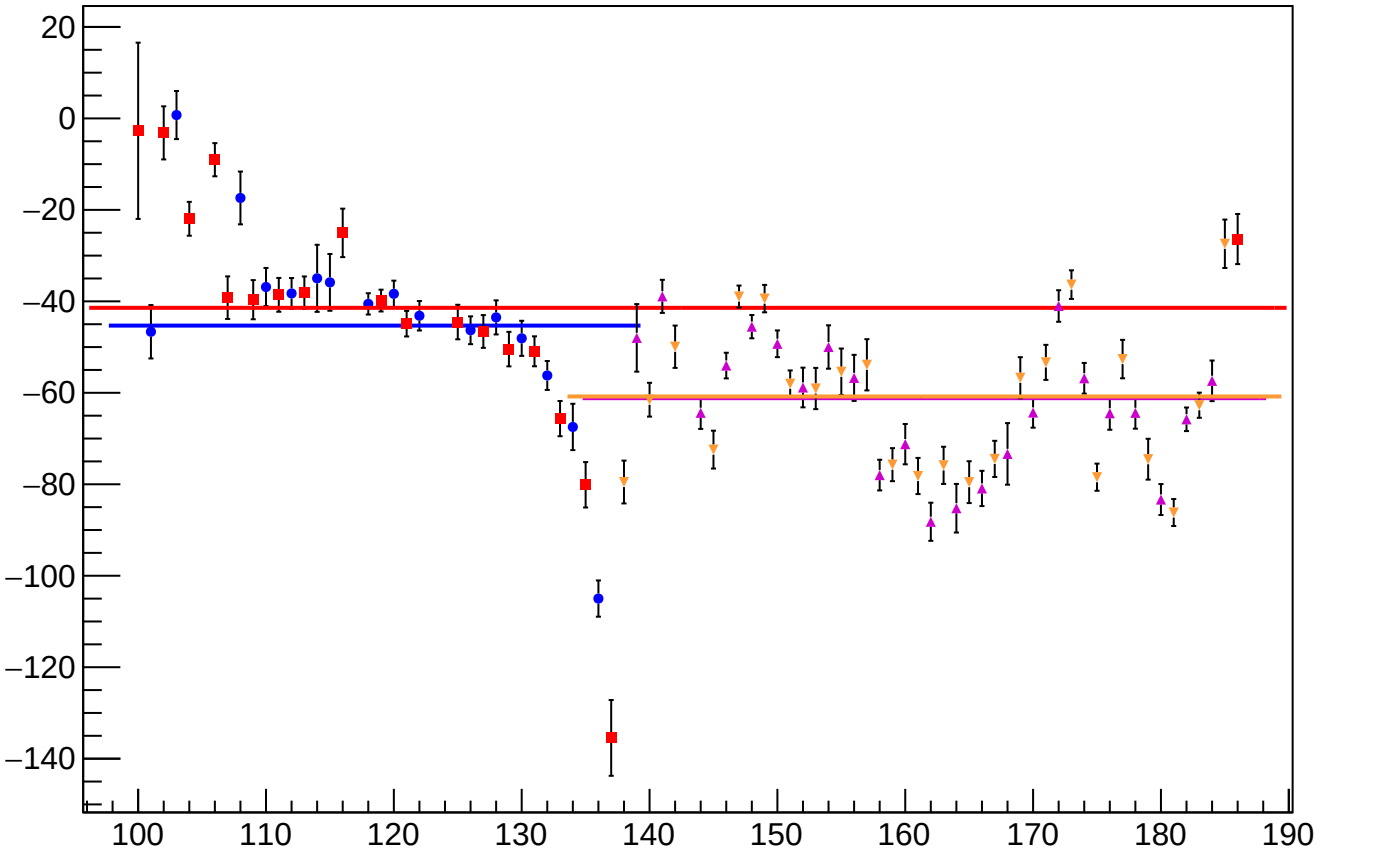
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -167.518+/-0.599 χ^2/NDF: 8217.6/34

In: -179.044+/-0.627 χ^2/NDF:5756.6/38

Out: -173.085+/-0.586 χ^2/NDF:9356.1/42

All: -175.865+/-0.428 χ^2/NDF: 15161.0/81



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

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

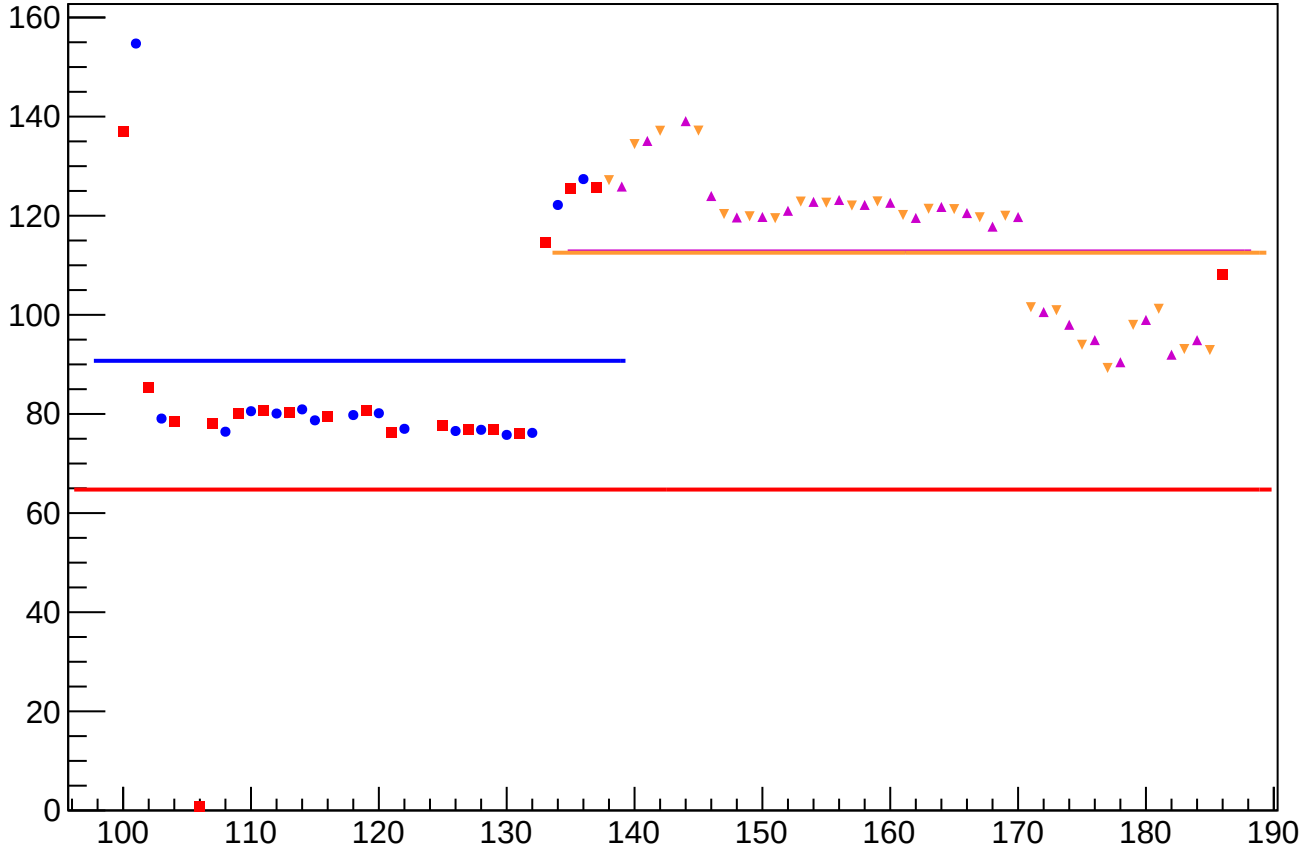
Right: -43.275+/-0.648 χ^2/NDF: 813.0/34

In: -54.912+/-0.589 χ^2/NDF:872.4/38

Out: -52.840+/-0.575 χ^2/NDF:1171.1/42

All: -53.851+/-0.411 χ^2/NDF: 2049.9/81

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 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

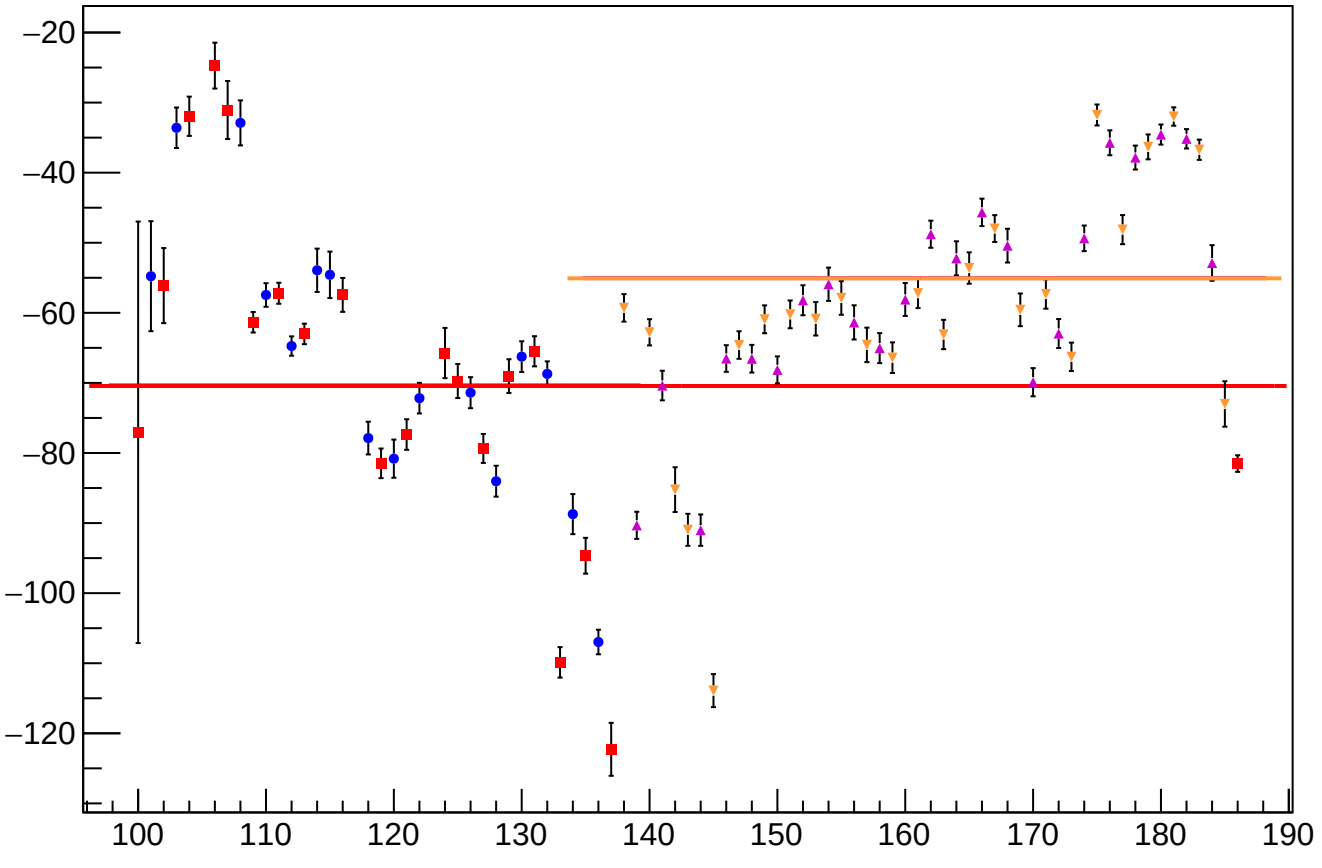
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 75.439+/-0.038 χ^2/NDF: 950684.1/34

In: 107.114+/-0.030 χ^2/NDF:438556.9/38

Out: 96.609+/-0.028 χ^2/NDF:1484492.5/42

All: 101.602+/-0.020 χ^2/NDF: 1988821.8/81



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

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

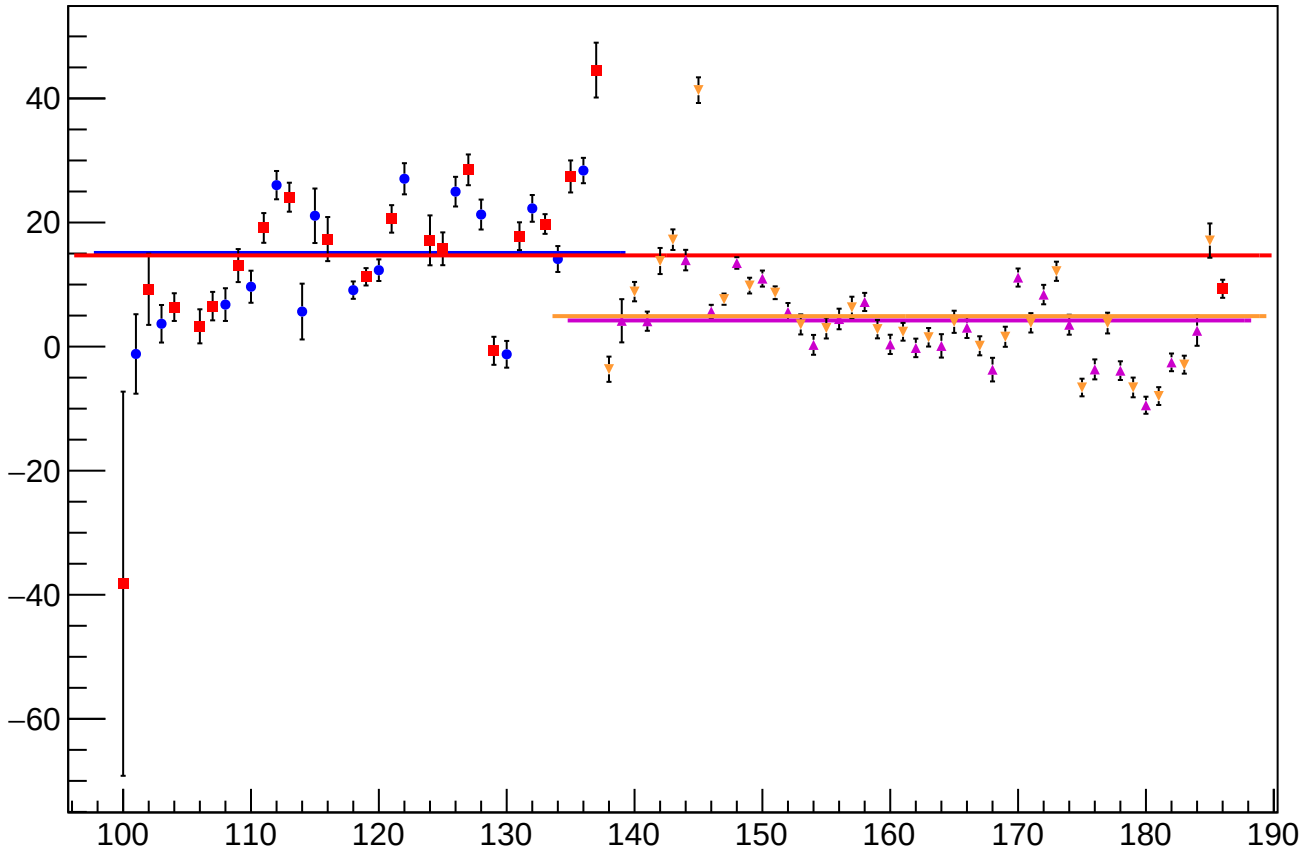
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -70.413+/-0.364 χ^2/NDF: 2385.5/35

In: -60.433+/-0.331 χ^2/NDF:3006.4/38

Out: -61.365+/-0.308 χ^2/NDF:4015.6/44

All: -60.932+/-0.225 χ^2/NDF: 7026.2/83



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

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

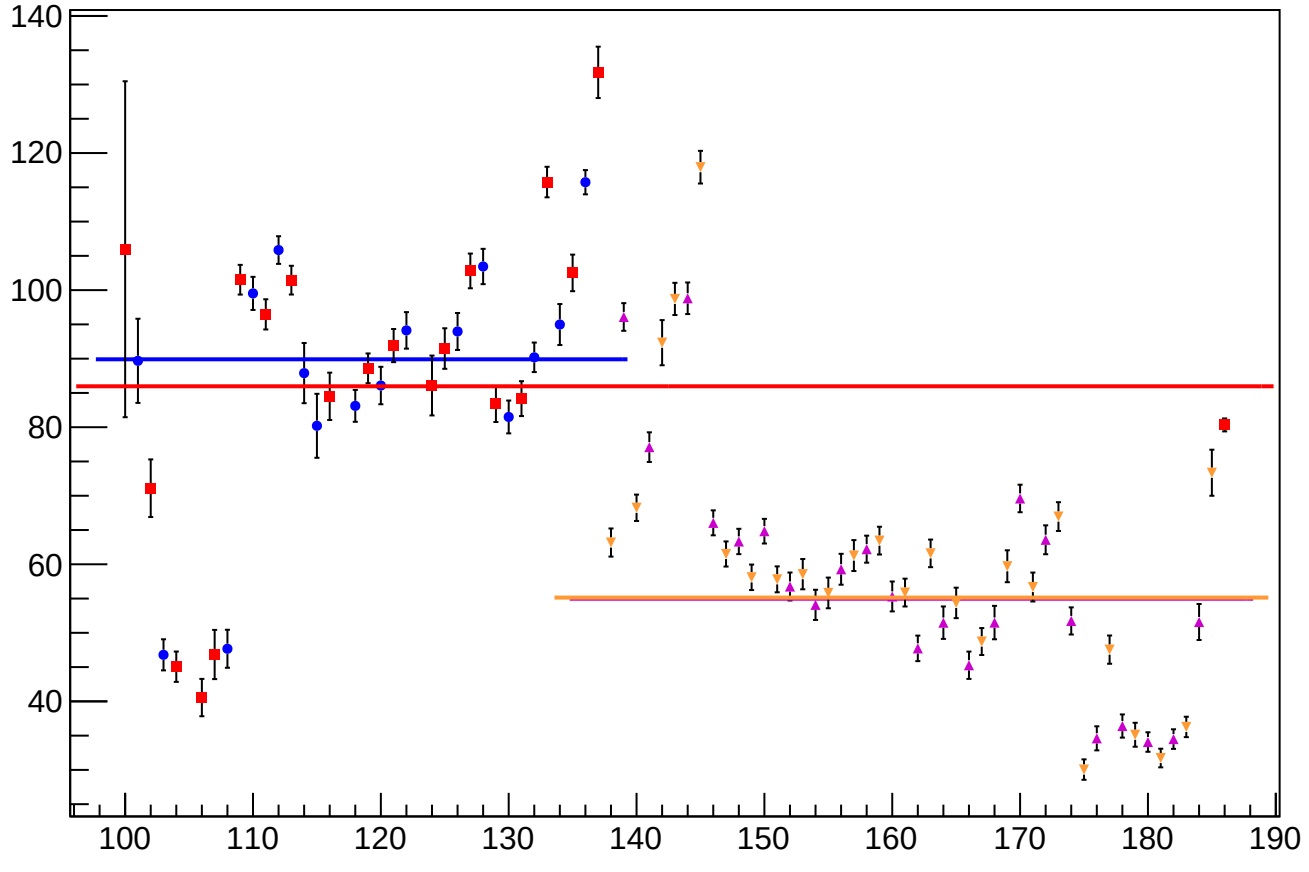
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.876+/-0.388 χ^2/NDF: 497.6/35

In: 6.654+/-0.275 χ^2/NDF:929.5/38

Out: 7.363+/-0.261 χ^2/NDF:1260.9/44

All: 7.028+/-0.189 χ^2/NDF: 2193.8/83



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

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

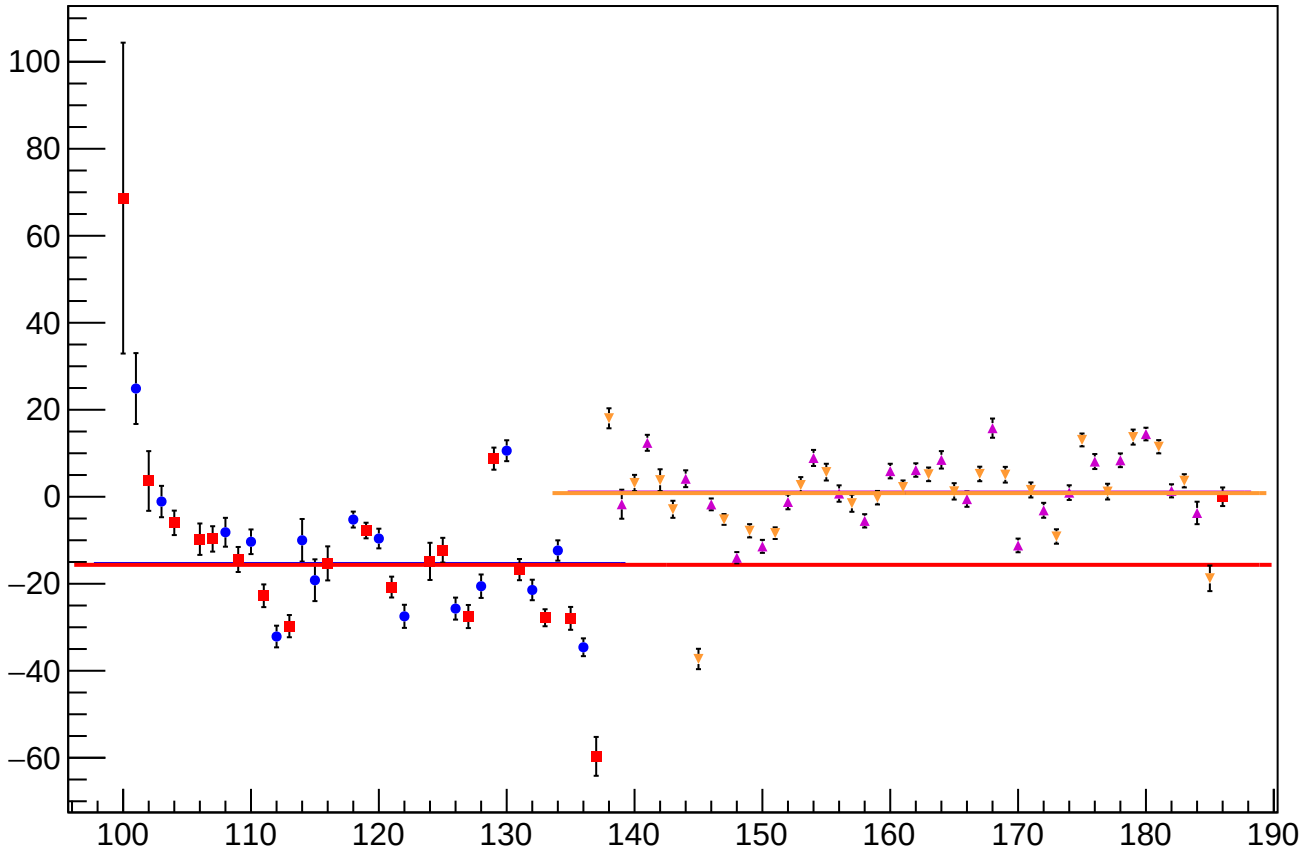
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 87.522+/-0.402 χ^2/NDF: 2310.2/35

In: 64.967+/-0.343 χ^2/NDF:4850.8/38

Out: 66.577+/-0.315 χ^2/NDF:5819.6/44

All: 65.840+/-0.232 χ^2/NDF: 10682.3/83



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

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

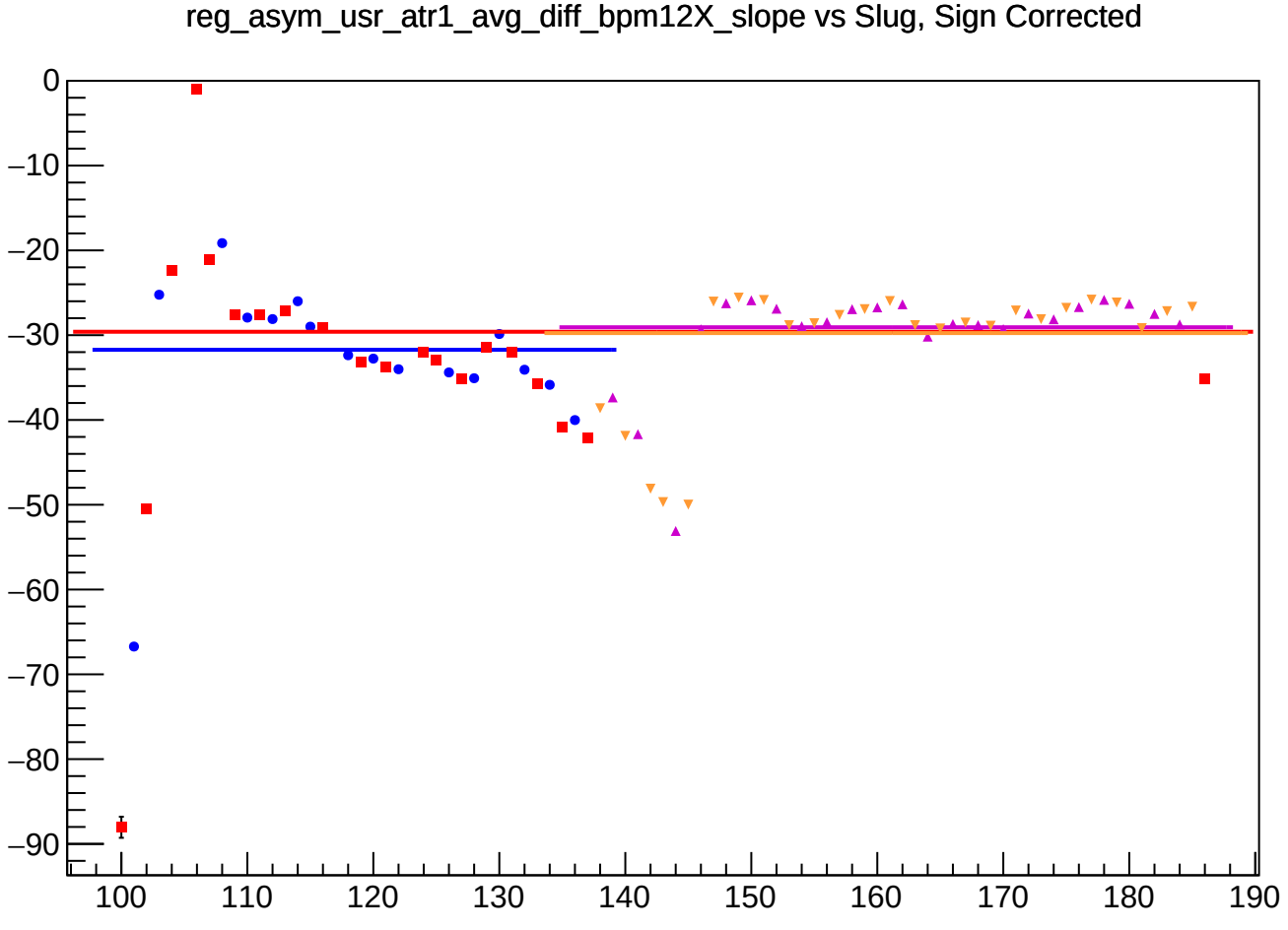
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -15.559+/-0.452 χ^2/NDF: 805.9/35

In: -2.634+/-0.312 χ^2/NDF:1420.8/38

Out: -3.057+/-0.300 χ^2/NDF:1683.1/44

All: -2.854+/-0.216 χ^2/NDF: 3104.9/83



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

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

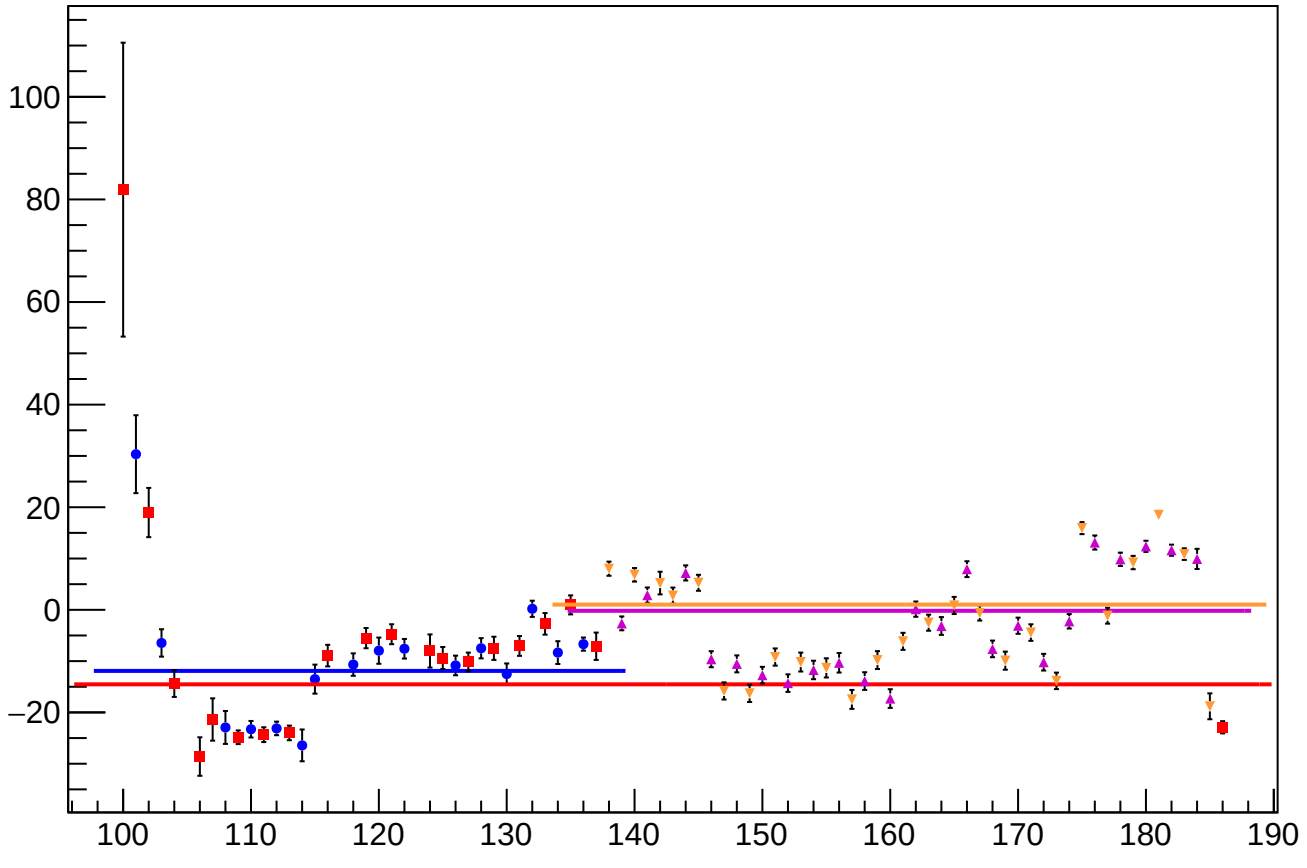
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -30.626+/-0.027 χ^2/NDF: 137834.1/35

In: -29.450+/-0.015 χ^2/NDF:145257.7/38

Out: -29.731+/-0.014 χ^2/NDF:260189.0/44

All: -29.593+/-0.010 χ^2/NDF: 405634.5/83



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

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

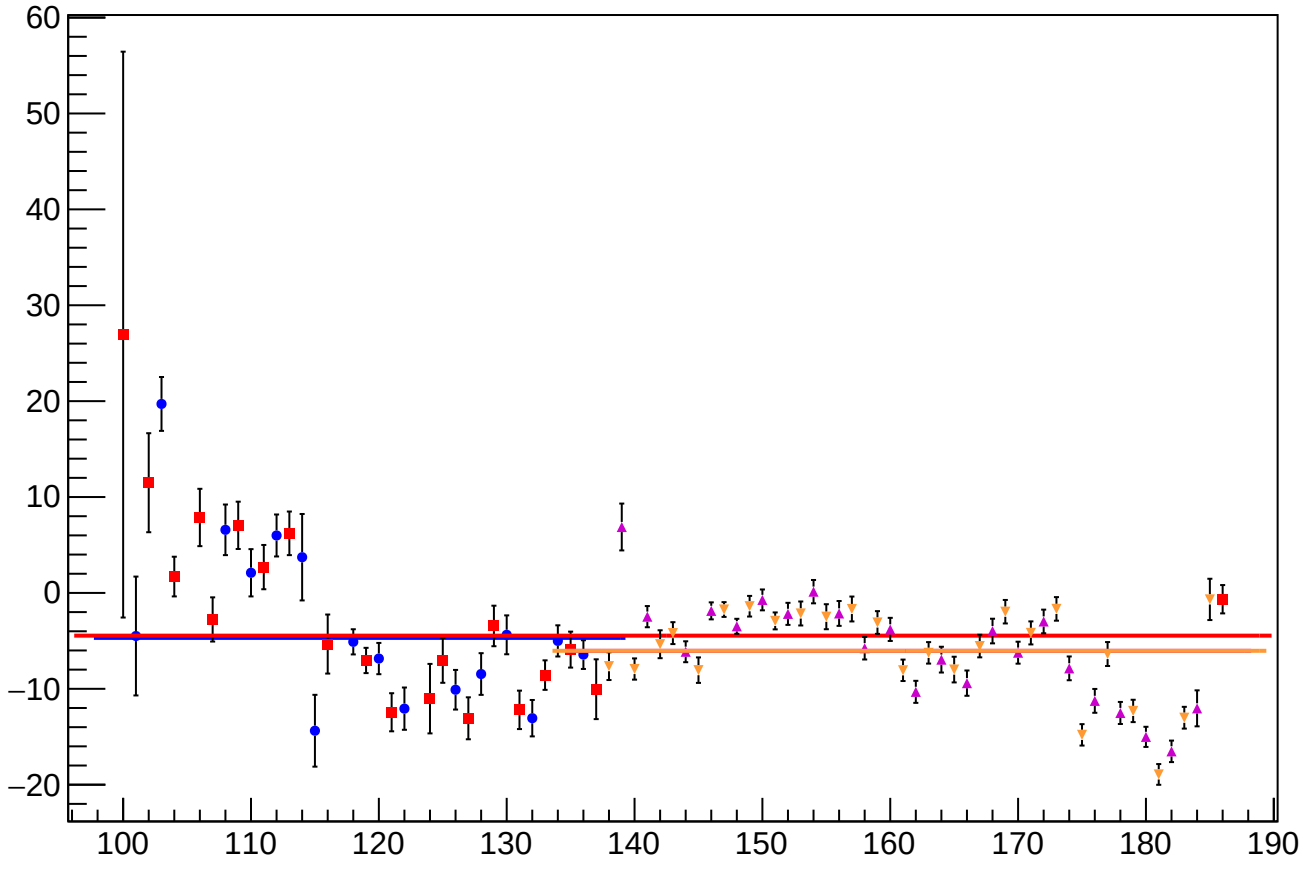
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -13.359+/-0.332 χ^2/NDF: 776.3/35

In: -3.545+/-0.266 χ^2/NDF:1661.8/38

Out: -3.942+/-0.252 χ^2/NDF:2643.2/44

All: -3.754+/-0.183 χ^2/NDF: 4306.2/83



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

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

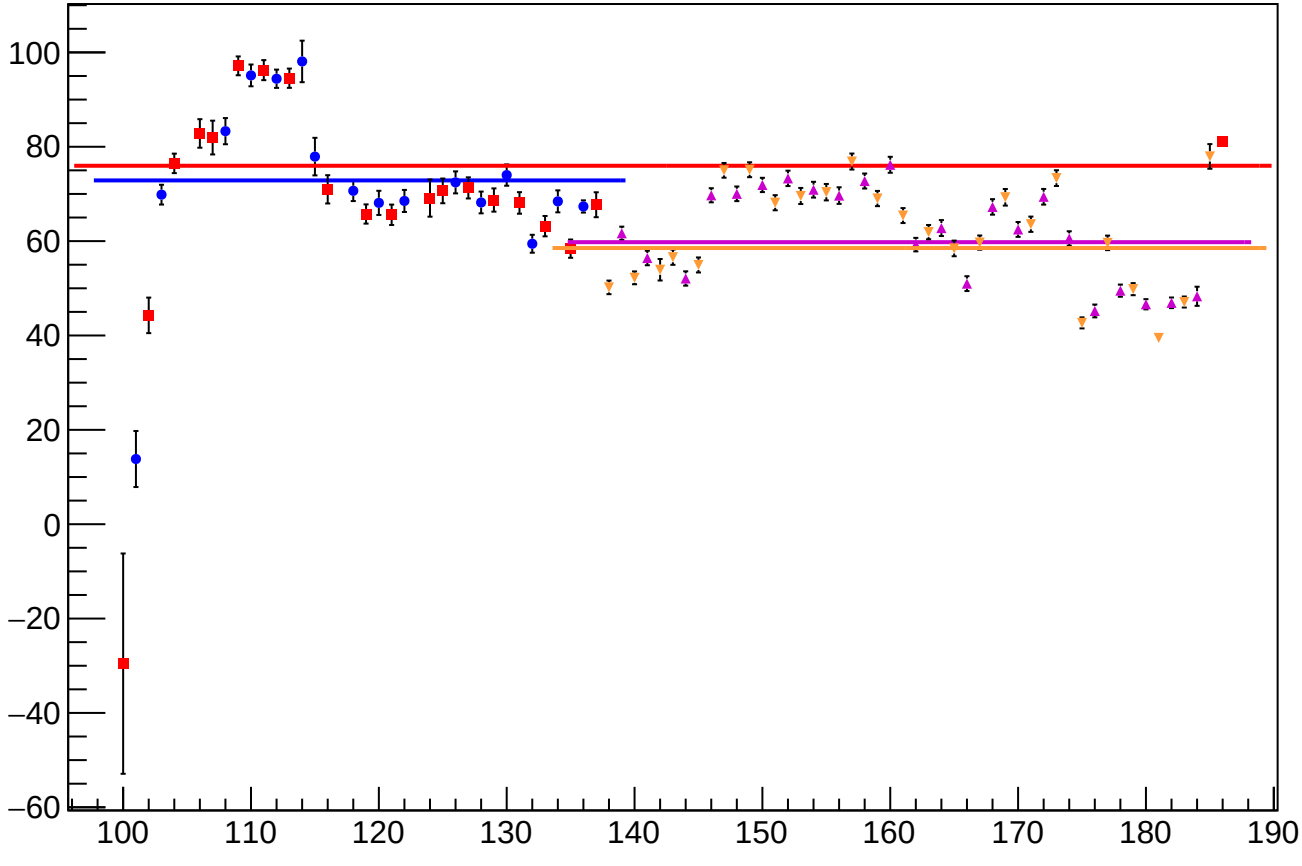
Right: -4.563+/-0.353 χ^2/NDF: 342.4/35

In: -5.798+/-0.220 χ^2/NDF:580.9/38

Out: -5.738+/-0.210 χ^2/NDF:586.8/44

All: -5.767+/-0.152 χ^2/NDF: 1167.8/83

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 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

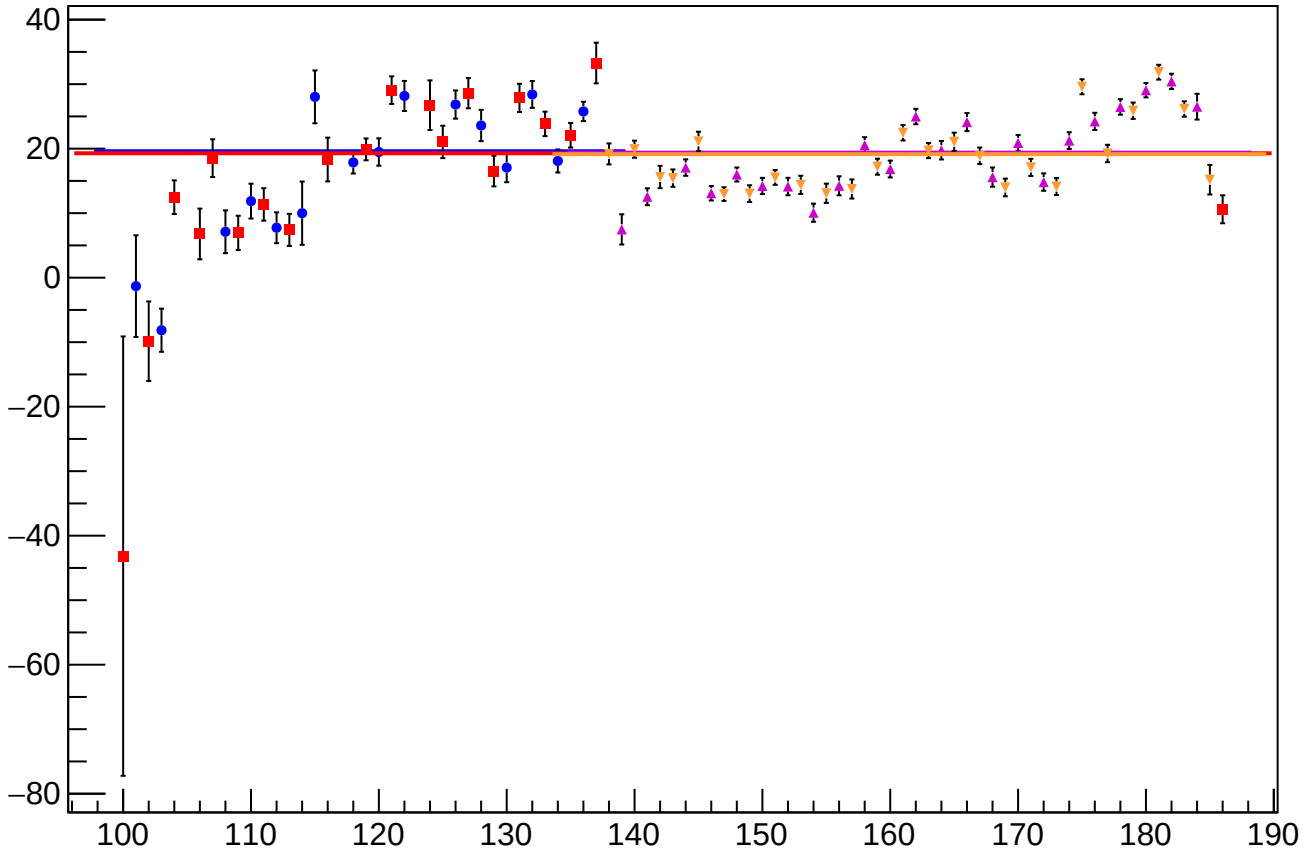
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 74.658+/-0.368 χ^2/NDF: 1092.2/35

In: 62.826+/-0.273 χ^2/NDF:1932.4/38

Out: 63.436+/-0.257 χ^2/NDF:3004.8/44

All: 63.150+/-0.187 χ^2/NDF: 4939.8/83



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

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

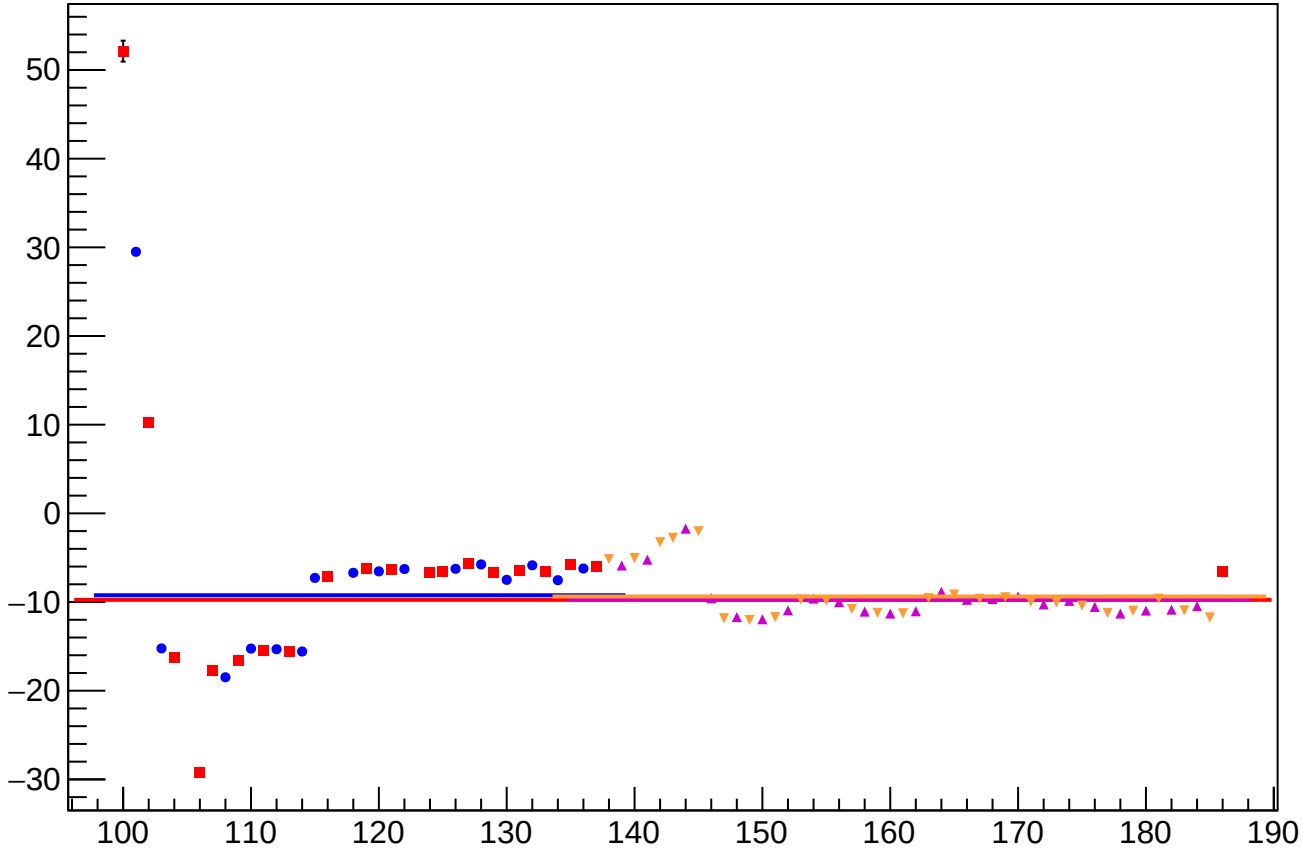
Right: 19.436+/-0.407 χ^2/NDF: 394.7/35

In: 19.427+/-0.248 χ^2/NDF:663.8/38

Out: 19.165+/-0.239 χ^2/NDF:632.4/44

All: 19.291+/-0.172 χ^2/NDF: 1296.7/83

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -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

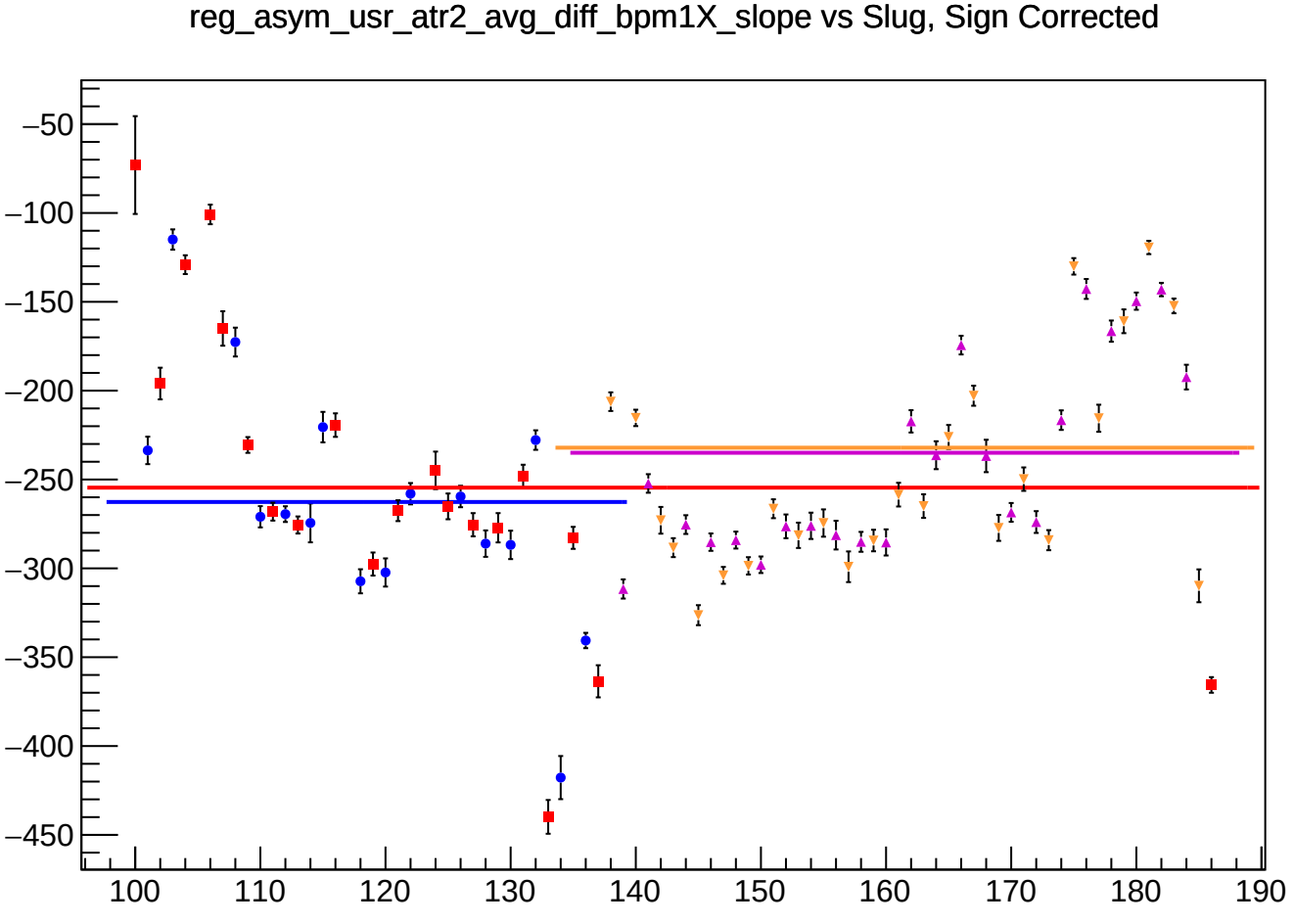
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -9.488+/-0.023 χ^2/NDF: 85597.5/35

In: -9.667+/-0.011 χ^2/NDF:63307.6/38

Out: -9.417+/-0.011 χ^2/NDF:104363.6/44

All: -9.540+/-0.008 χ^2/NDF: 167917.5/83



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

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

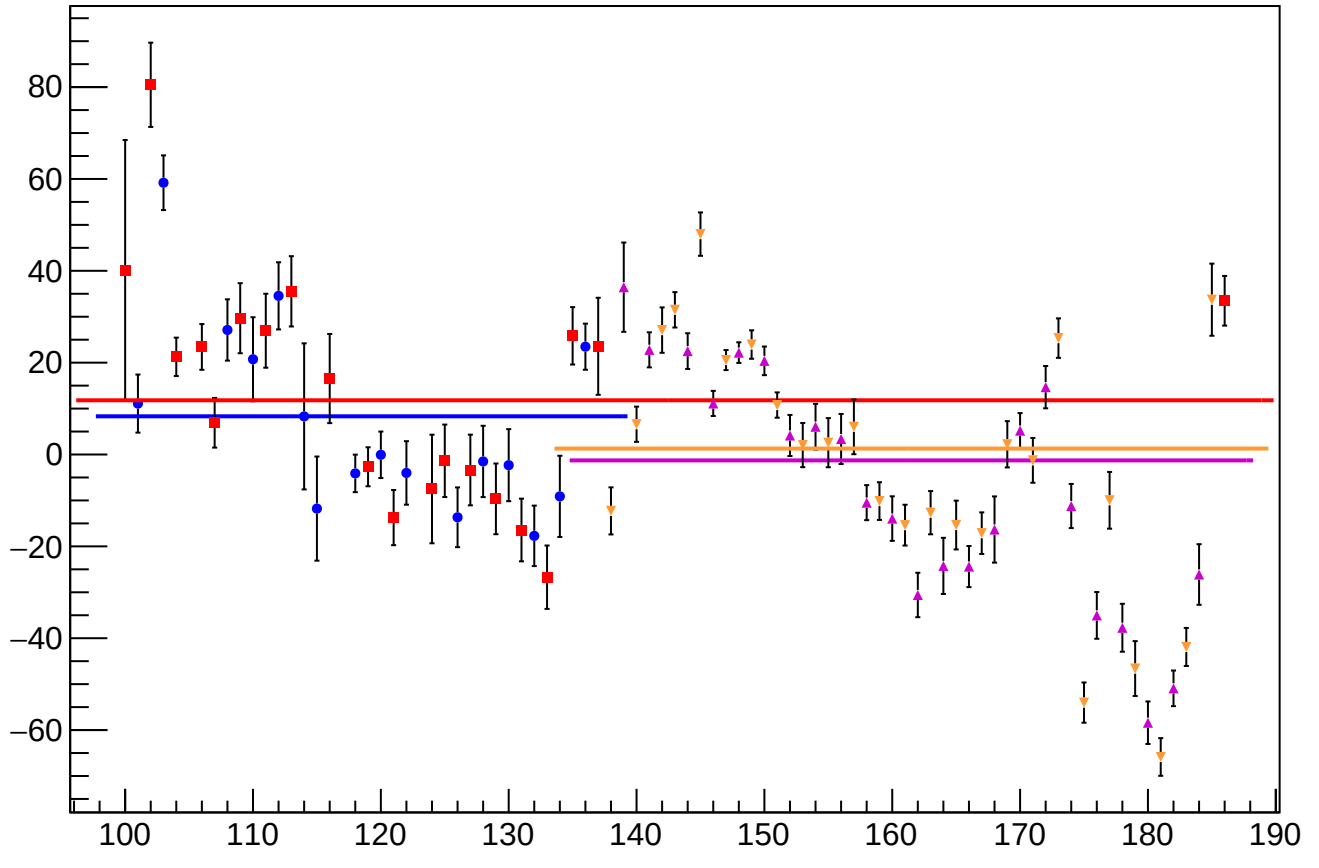
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -258.112+/-1.068 χ^2/NDF: 4319.7/35

In: -244.553+/-0.950 χ^2/NDF:4116.9/38

Out: -240.897+/-0.892 χ^2/NDF:6272.8/44

All: -242.609+/-0.650 χ^2/NDF: 10397.6/83



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

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

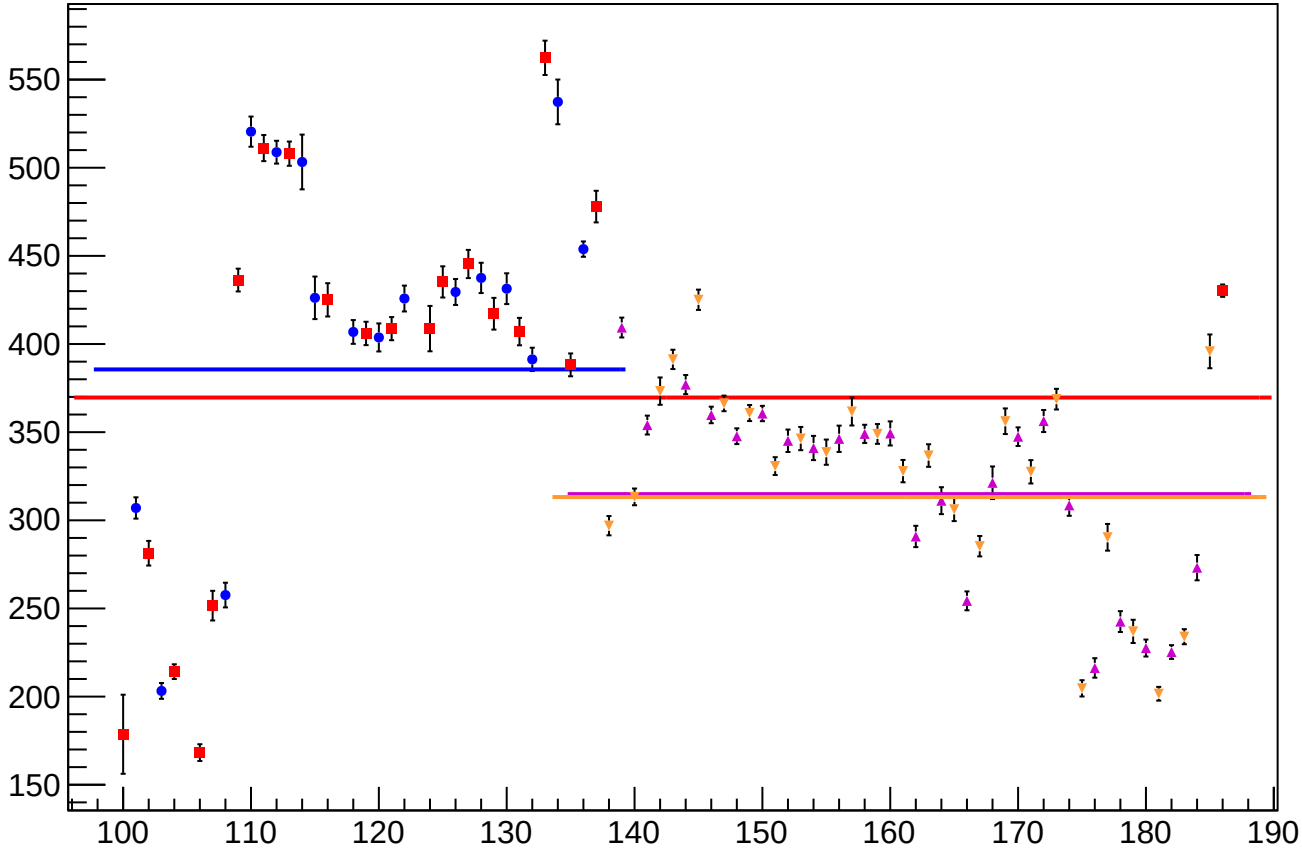
Right: 10.246+/-1.100 χ^2/NDF: 364.9/35

In: 0.816+/-0.768 χ^2/NDF:995.5/38

Out: 3.842+/-0.728 χ^2/NDF:1292.5/44

All: 2.409+/-0.529 χ^2/NDF: 2296.1/83

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 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

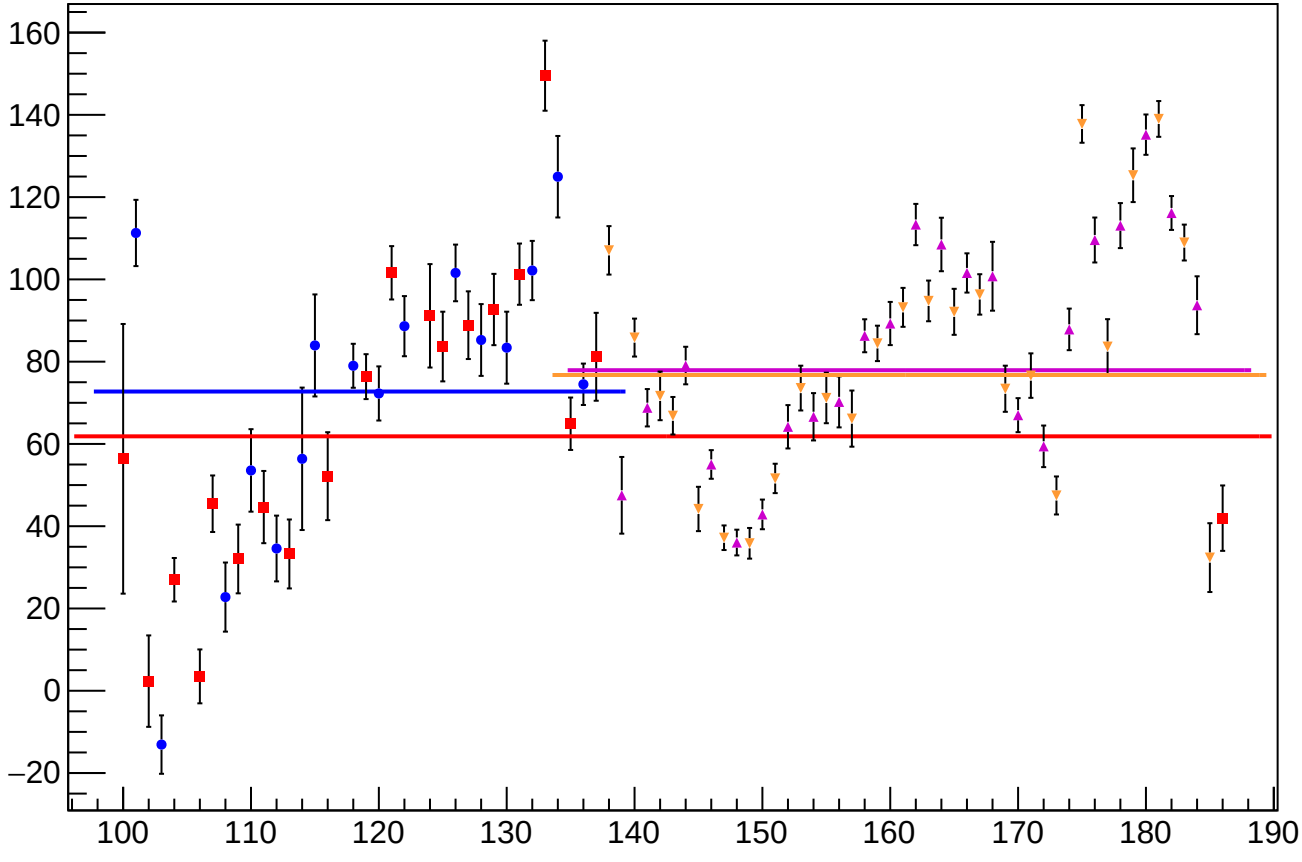
Right: 376.380+/-1.132 χ^2/NDF: 9057.5/35

In: 336.622+/-0.966 χ^2/NDF:6943.1/38

Out: 333.898+/-0.902 χ^2/NDF:9680.5/44

All: 335.166+/-0.660 χ^2/NDF: 16627.8/83

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 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

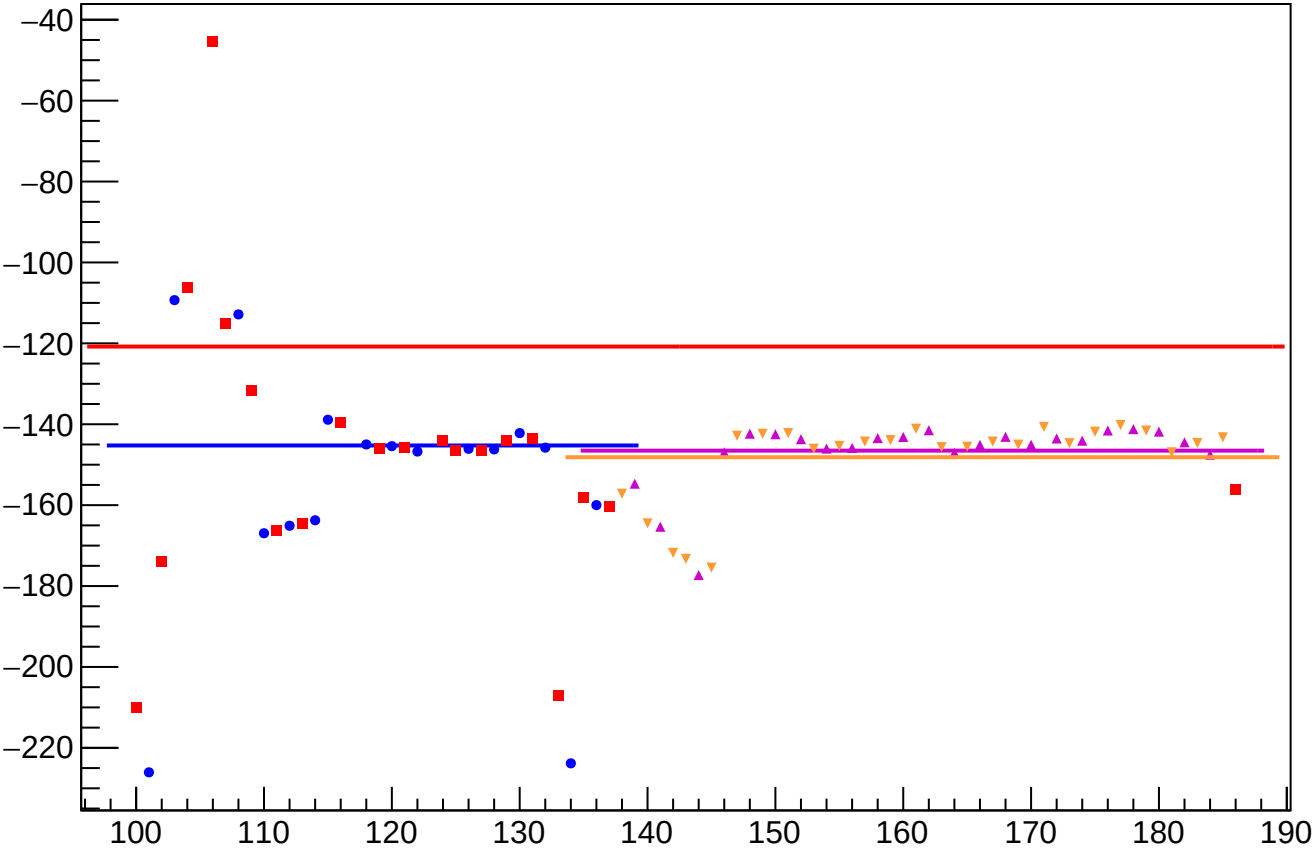
Right: 66.859+/-1.286 χ^2/NDF: 732.3/35

In: 76.802+/-0.882 χ^2/NDF:1094.0/38

Out: 73.275+/-0.846 χ^2/NDF:1501.1/44

All: 74.964+/-0.611 χ^2/NDF: 2603.4/83

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -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

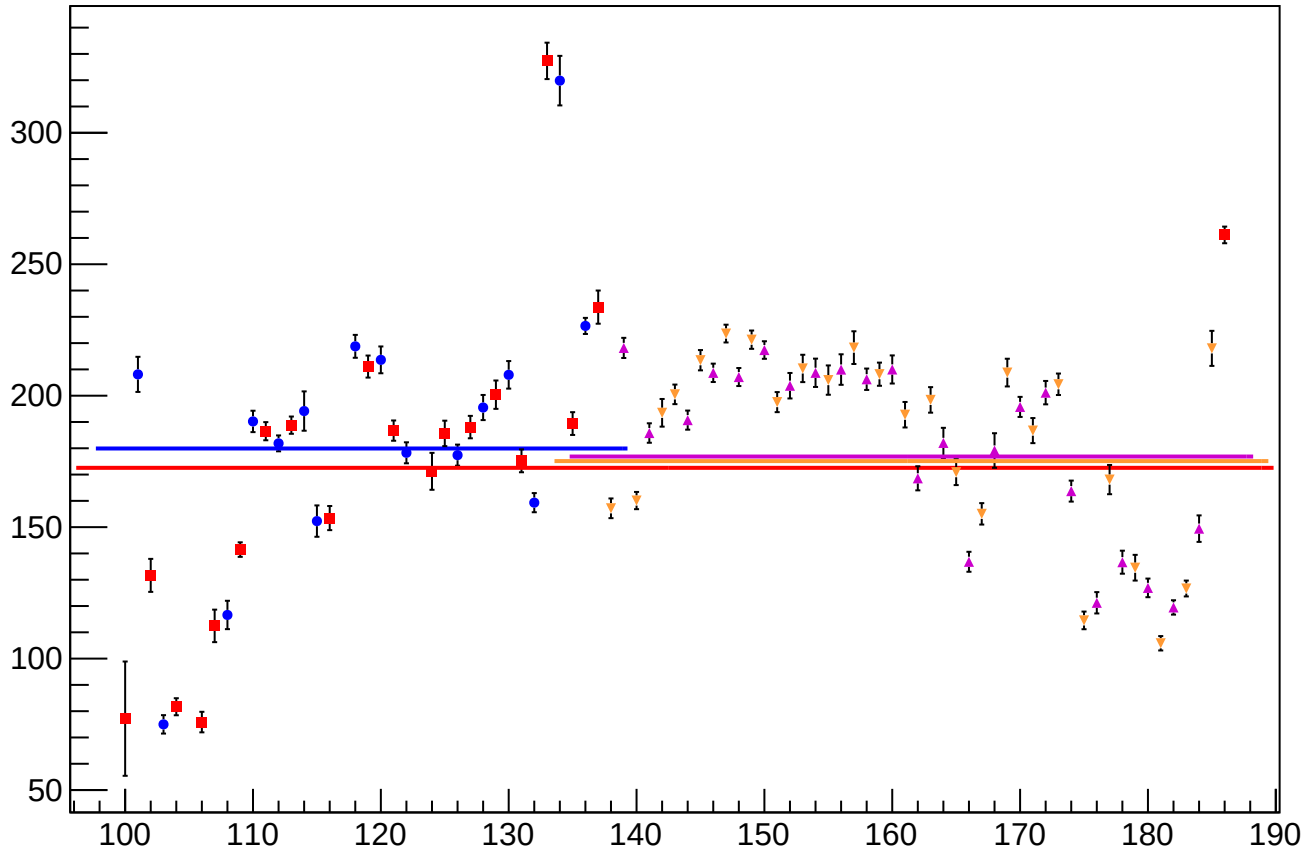
Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

Right: -131.657+/-0.066 χ^2/NDF: 440638.0/35

In: -146.297+/-0.041 χ^2/NDF:161368.3/38

Out: -142.452+/-0.040 χ^2/NDF:399768.6/44

All: -144.317+/-0.029 χ^2/NDF: 565593.2/83



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 172.562+/-0.954 χ^2/NDF: 3277.2/19

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

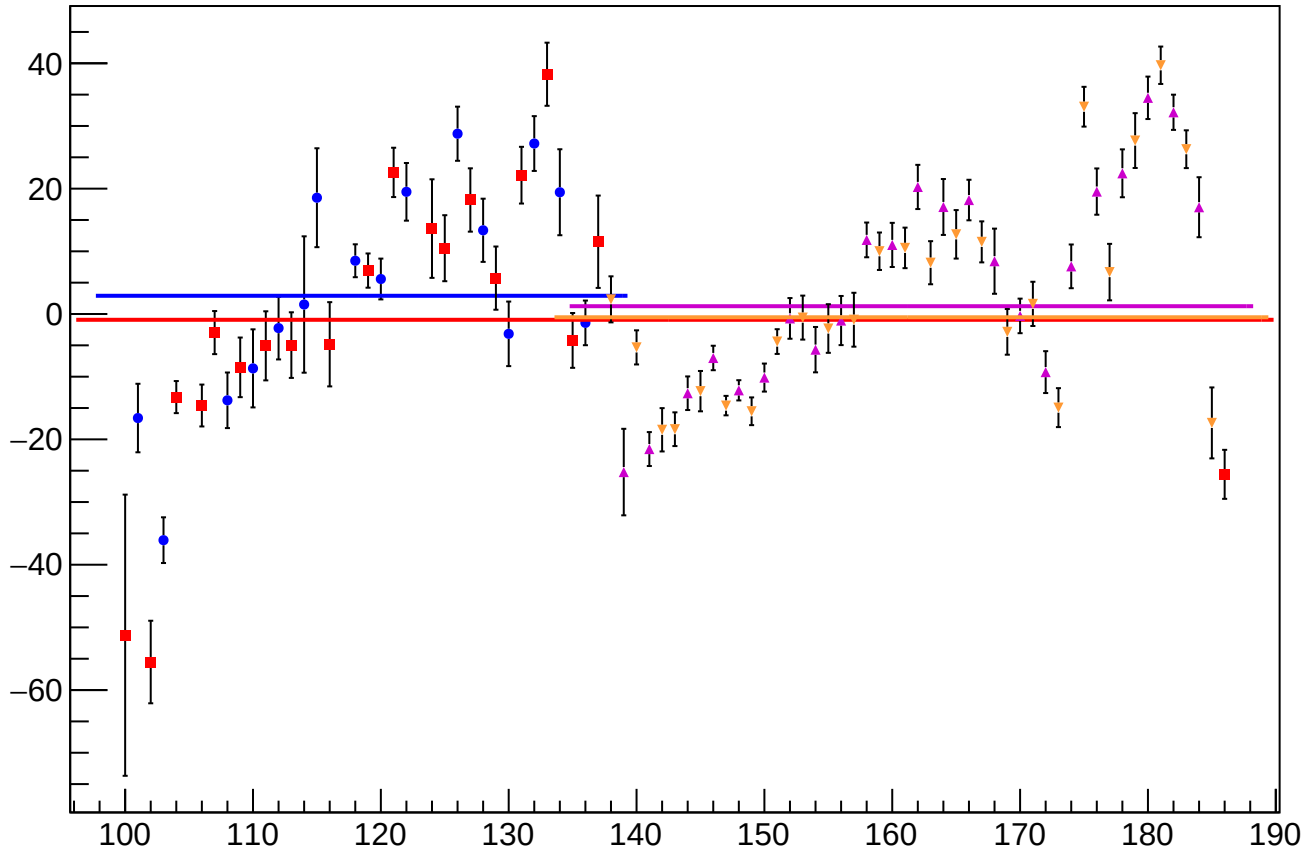
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

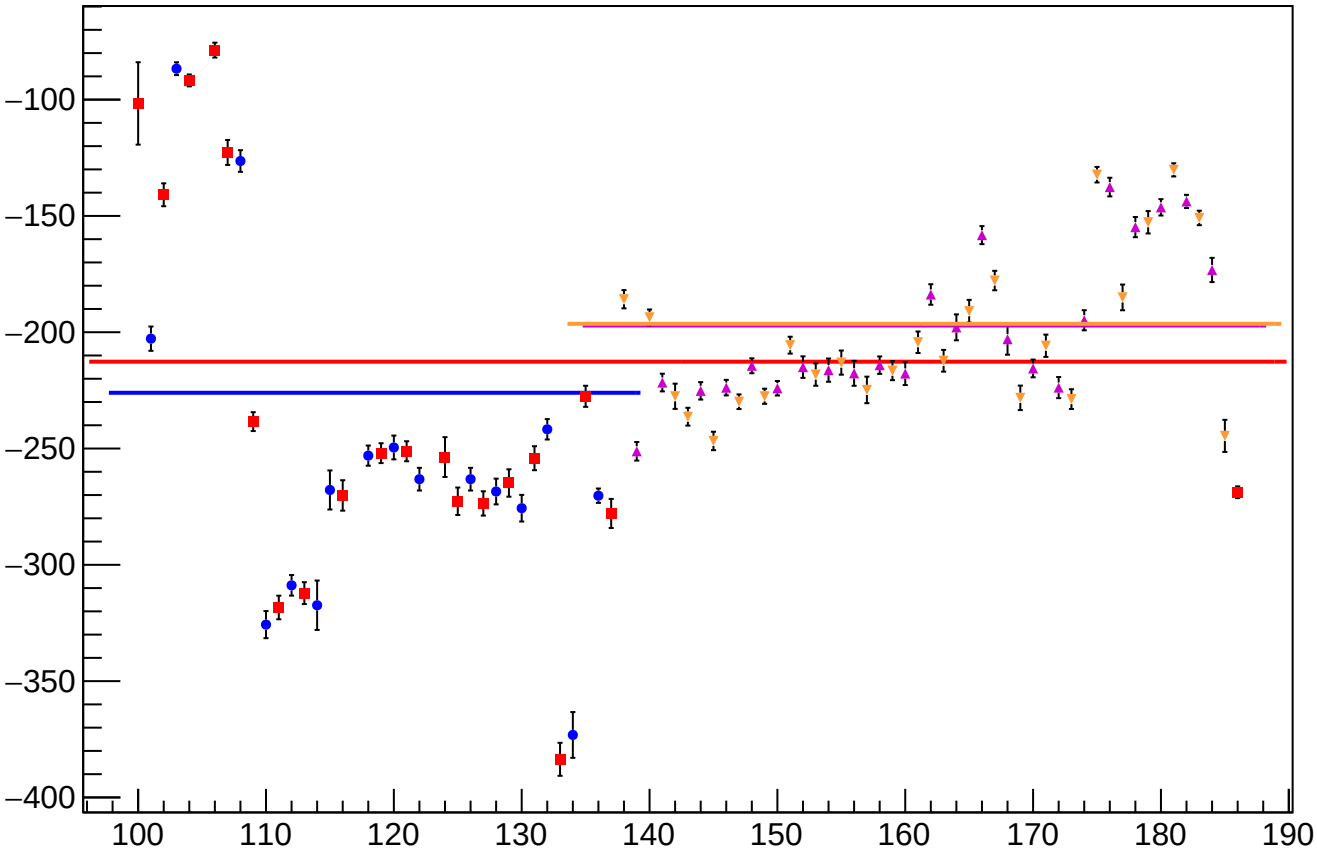
Right: 175.758+/-0.718 χ^2/NDF: 5035.7/35

In: 178.014+/-0.668 χ^2/NDF:3493.7/38

Out: 174.034+/-0.623 χ^2/NDF:5576.5/44

All: 175.883+/-0.456 χ^2/NDF: 9089.2/83


reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 2.907+/-1.105 χ²/NDF: 247.5/15
Left Out: -0.523+/-0.601 χ²/NDF:724.5/24
Right Out: -0.924+/-0.980 χ²/NDF: 316.0/19
Left In: 1.244+/-0.625 χ²/NDF:620.6/22
Left: 0.325+/-0.433 χ²/NDF: 1349.2/47
Right: 0.763+/-0.733 χ²/NDF: 570.3/35
In: 1.648+/-0.544 χ²/NDF:869.8/38
Out: -0.633+/-0.512 χ²/NDF:1040.6/44
All: 0.438+/-0.373 χ²/NDF: 1919.7/83



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

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

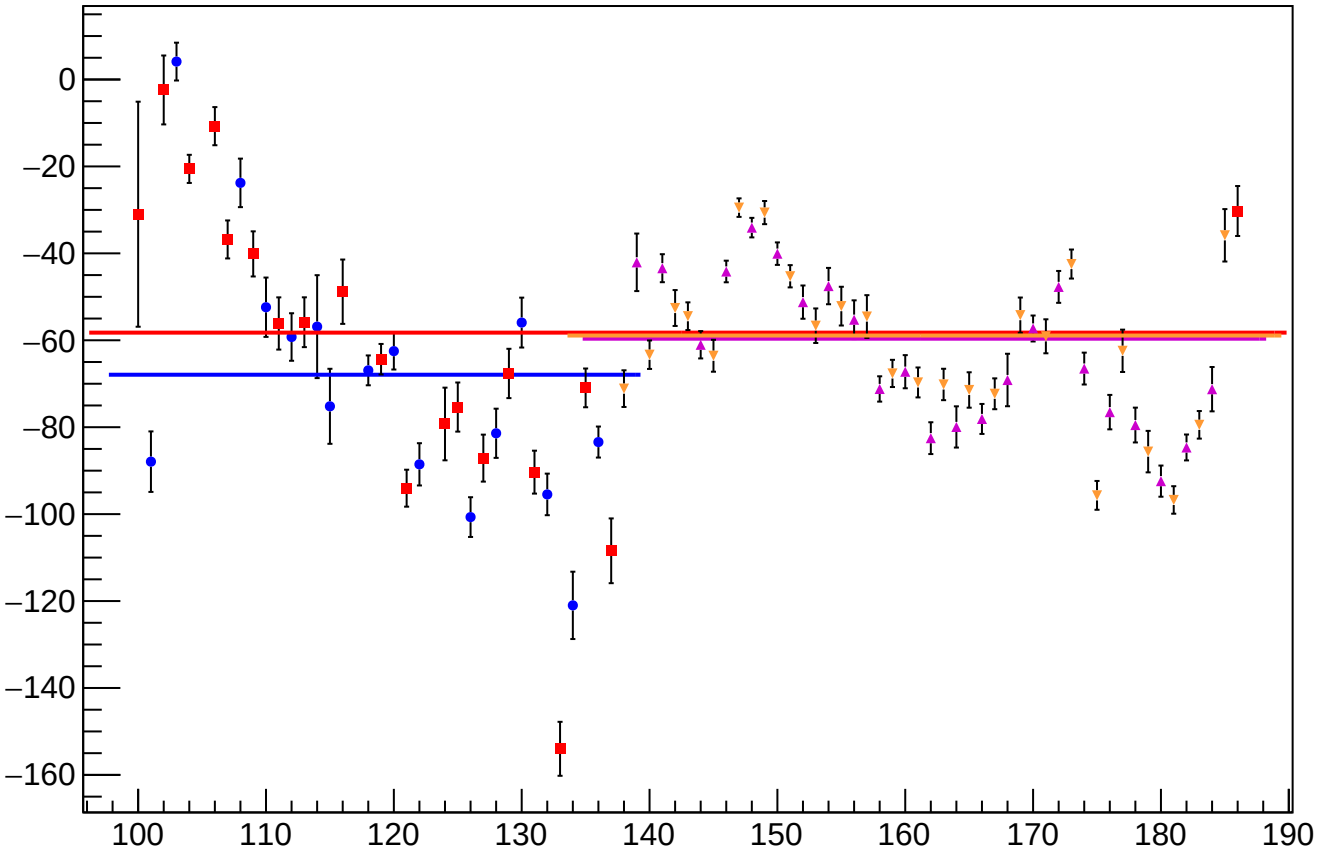
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -218.266+/-0.761 χ^2/NDF: 11891.4/35

In: -206.854+/-0.682 χ^2/NDF:6541.9/38

Out: -202.899+/-0.632 χ^2/NDF:9434.4/44

All: -204.726+/-0.463 χ^2/NDF: 15994.5/83



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

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

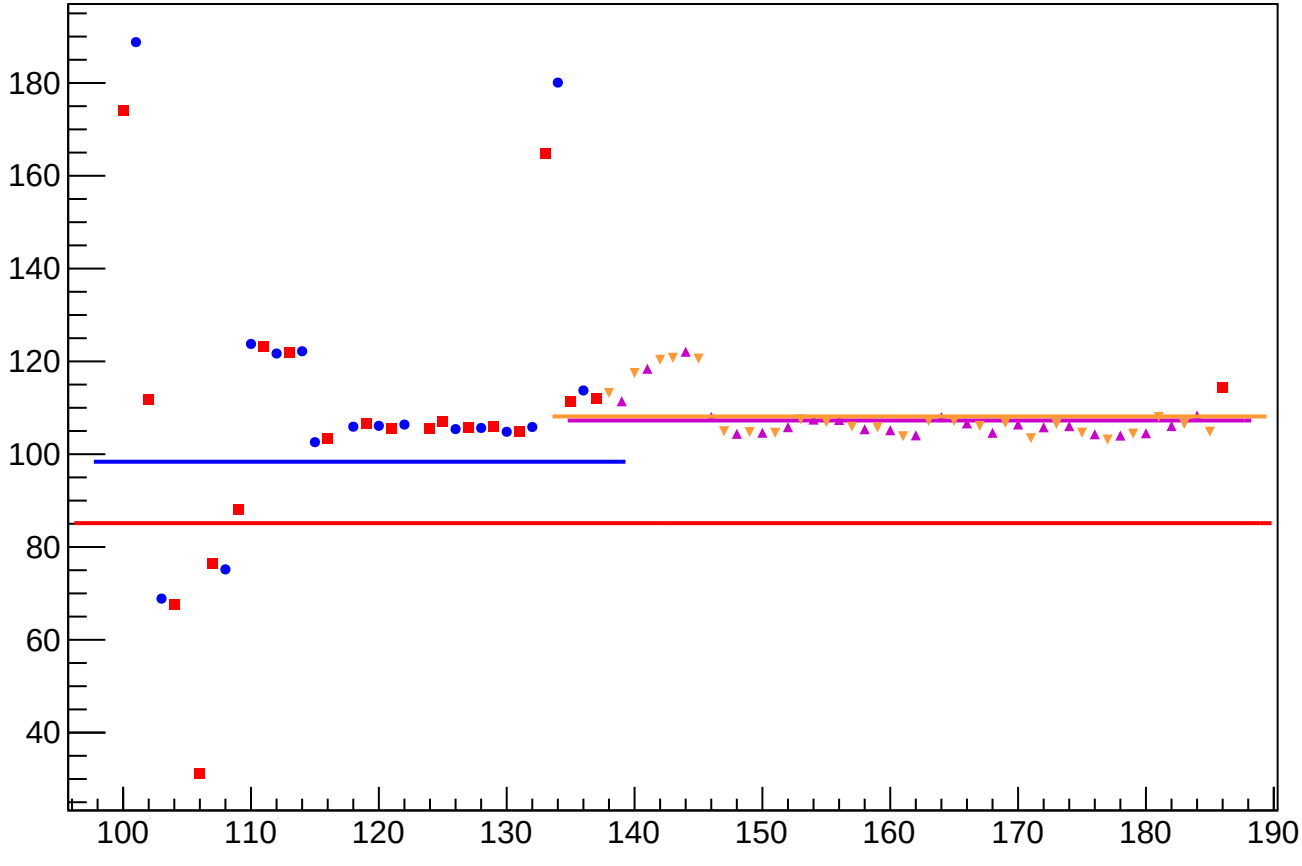
Right: -62.615+/-0.859 χ^2/NDF: 1385.1/35

In: -61.627+/-0.626 χ^2/NDF:1163.0/38

Out: -58.733+/-0.596 χ^2/NDF:1602.3/44

All: -60.109+/-0.432 χ^2/NDF: 2776.5/83

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 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

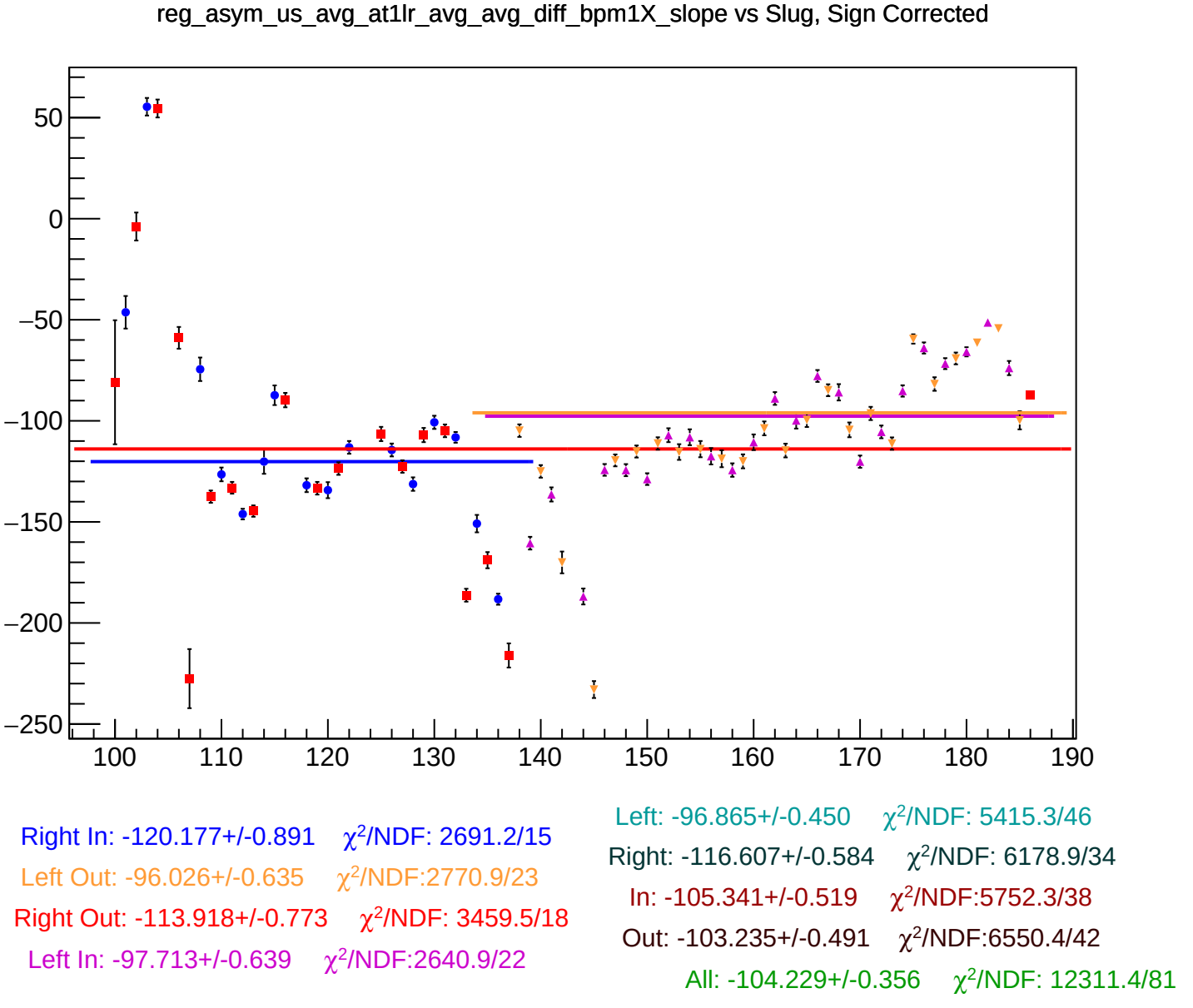
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

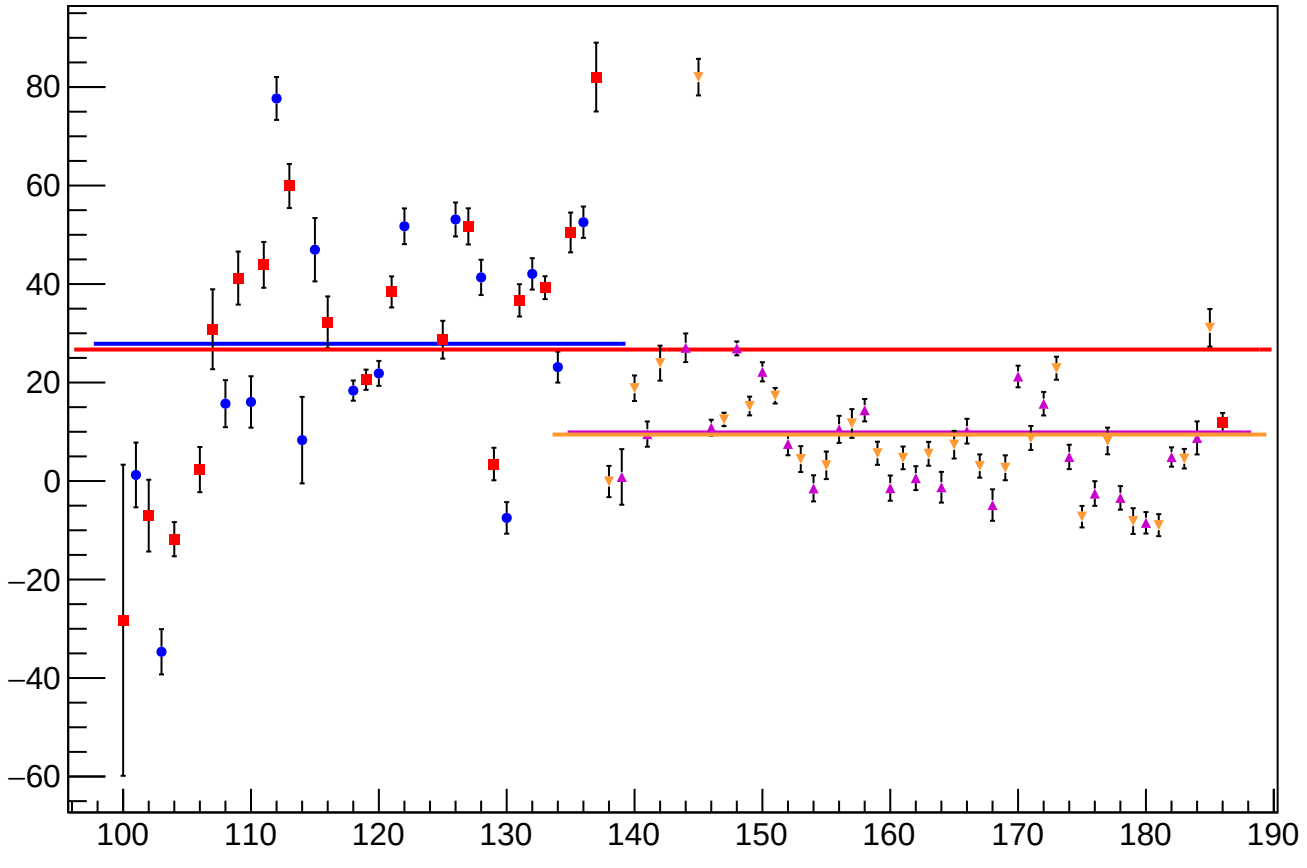
Right: 91.125+/-0.044 χ^2/NDF: 524441.1/35

In: 105.504+/-0.029 χ^2/NDF:259824.7/38

Out: 102.929+/-0.029 χ^2/NDF:414103.0/44

All: 104.178+/-0.020 χ^2/NDF: 677875.3/83


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -113.918+/-0.773 χ²/NDF: 3459.5/18
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -116.607+/-0.584 χ²/NDF: 6178.9/34
In: -105.341+/-0.519 χ²/NDF:5752.3/38
Out: -103.235+/-0.491 χ²/NDF:6550.4/42
All: -104.229+/-0.356 χ²/NDF: 12311.4/81



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

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

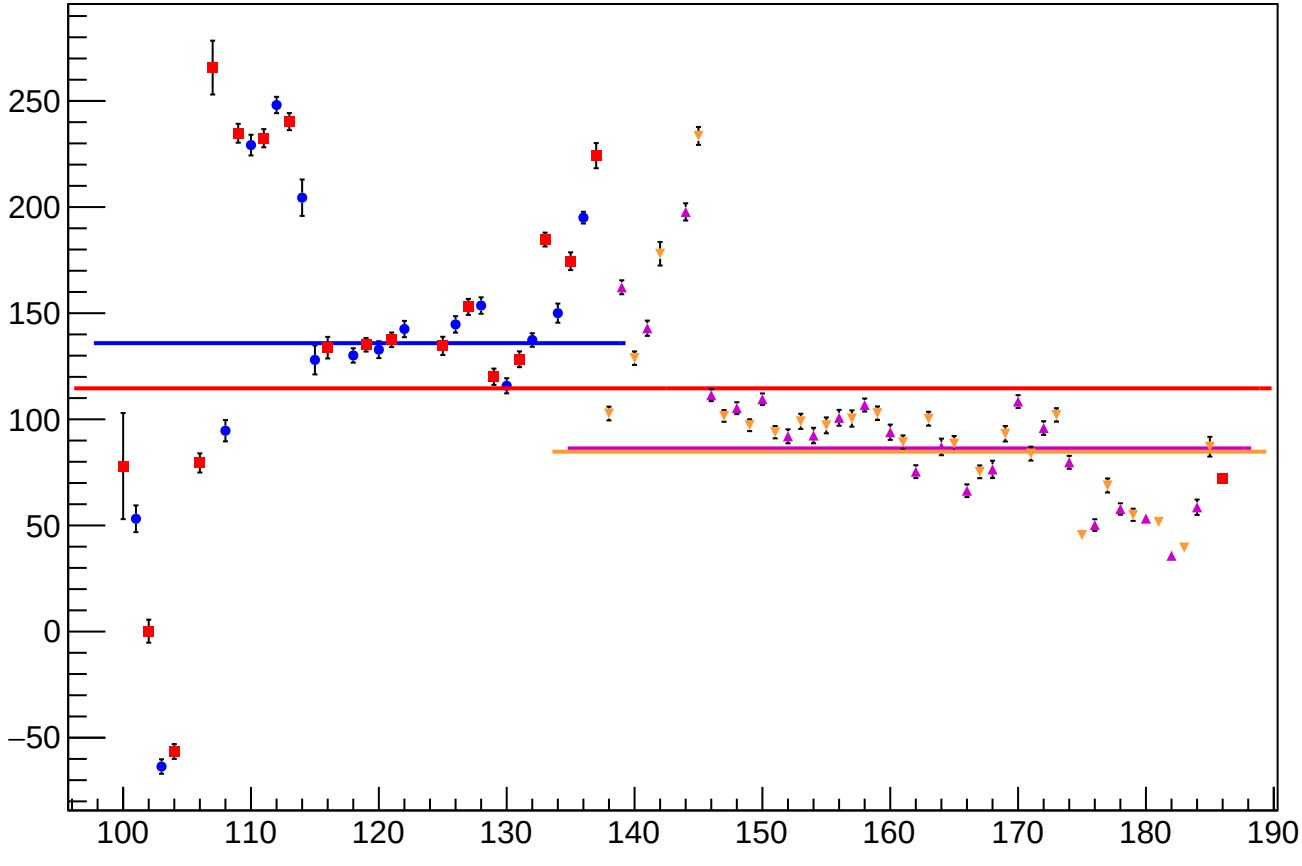
Right: 27.235+/-0.601 χ^2/NDF: 1262.0/34

In: 14.021+/-0.427 χ^2/NDF:1501.2/38

Out: 13.855+/-0.412 χ^2/NDF:1631.6/42

All: 13.935+/-0.297 χ^2/NDF: 3132.8/81

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 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

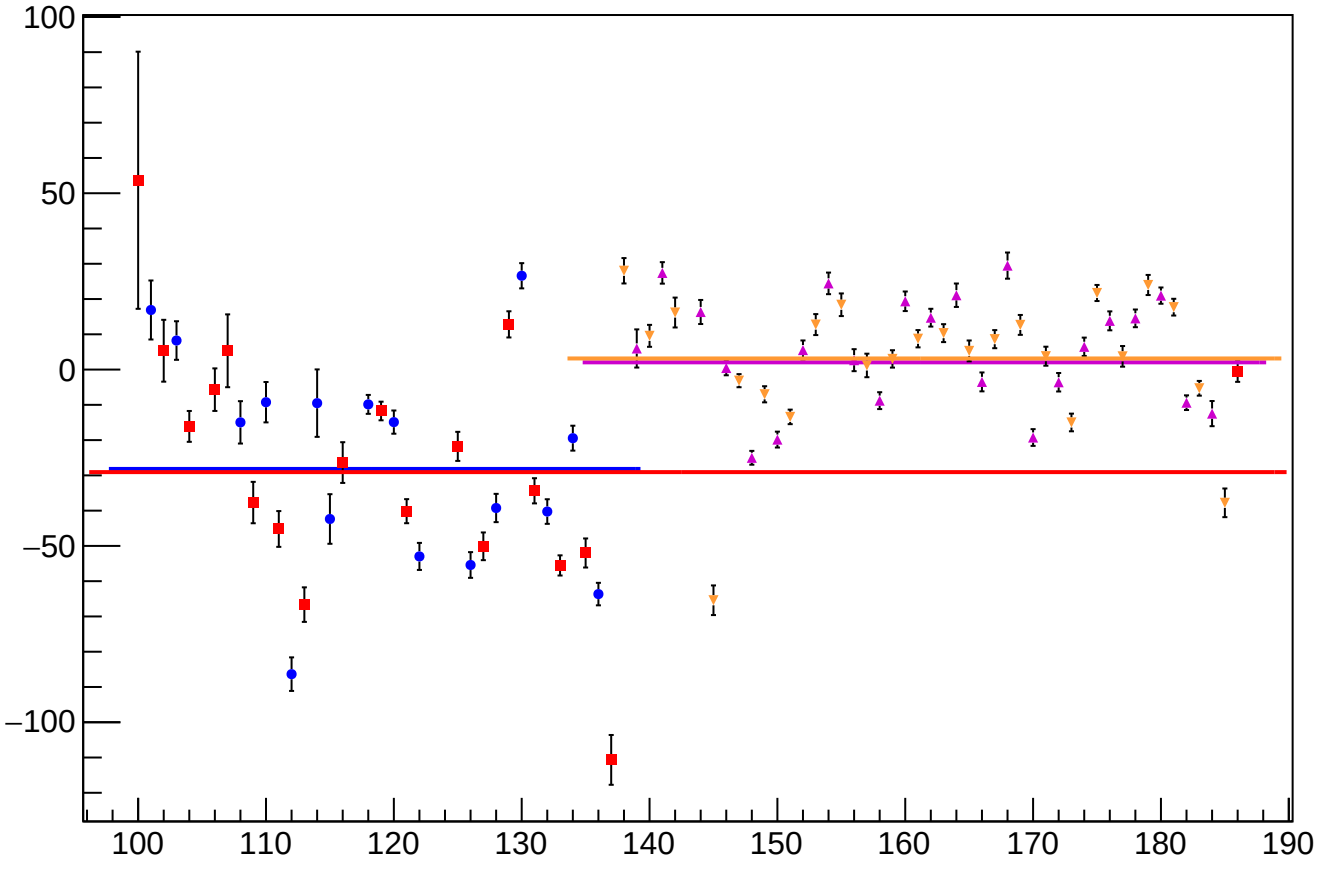
Right: 122.860+/-0.622 χ^2/NDF: 13530.0/34

In: 100.476+/-0.534 χ^2/NDF:10377.2/38

Out: 96.249+/-0.493 χ^2/NDF:11765.1/42

All: 98.196+/-0.362 χ^2/NDF: 22176.2/81

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 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

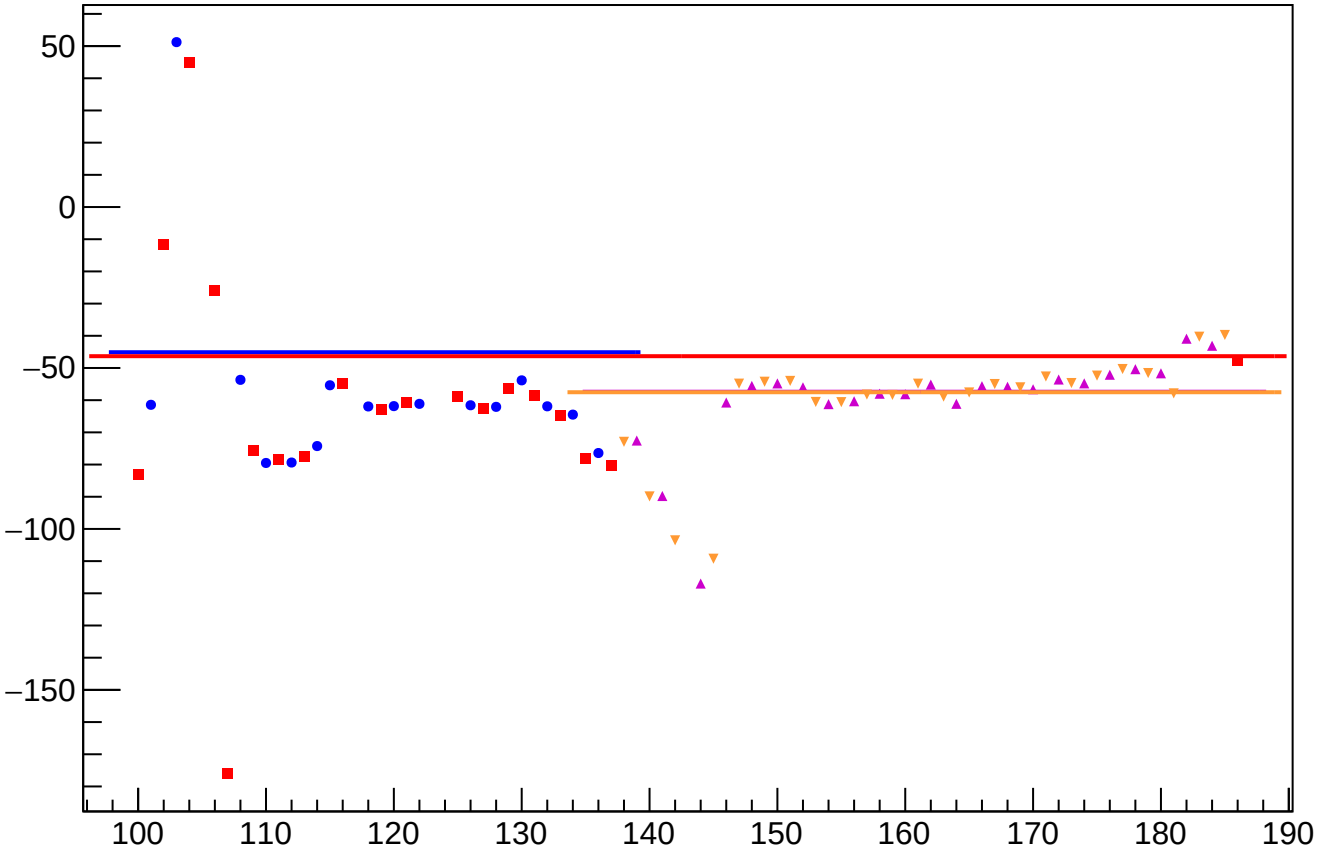
Right: -28.648+/-0.704 χ^2/NDF: 1474.9/34

In: -4.755+/-0.485 χ^2/NDF:2319.4/38

Out: -4.536+/-0.474 χ^2/NDF:2335.1/42

All: -4.643+/-0.339 χ^2/NDF: 4654.7/81

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -46.335+/-0.060 χ^2/NDF: 493653.0/18

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

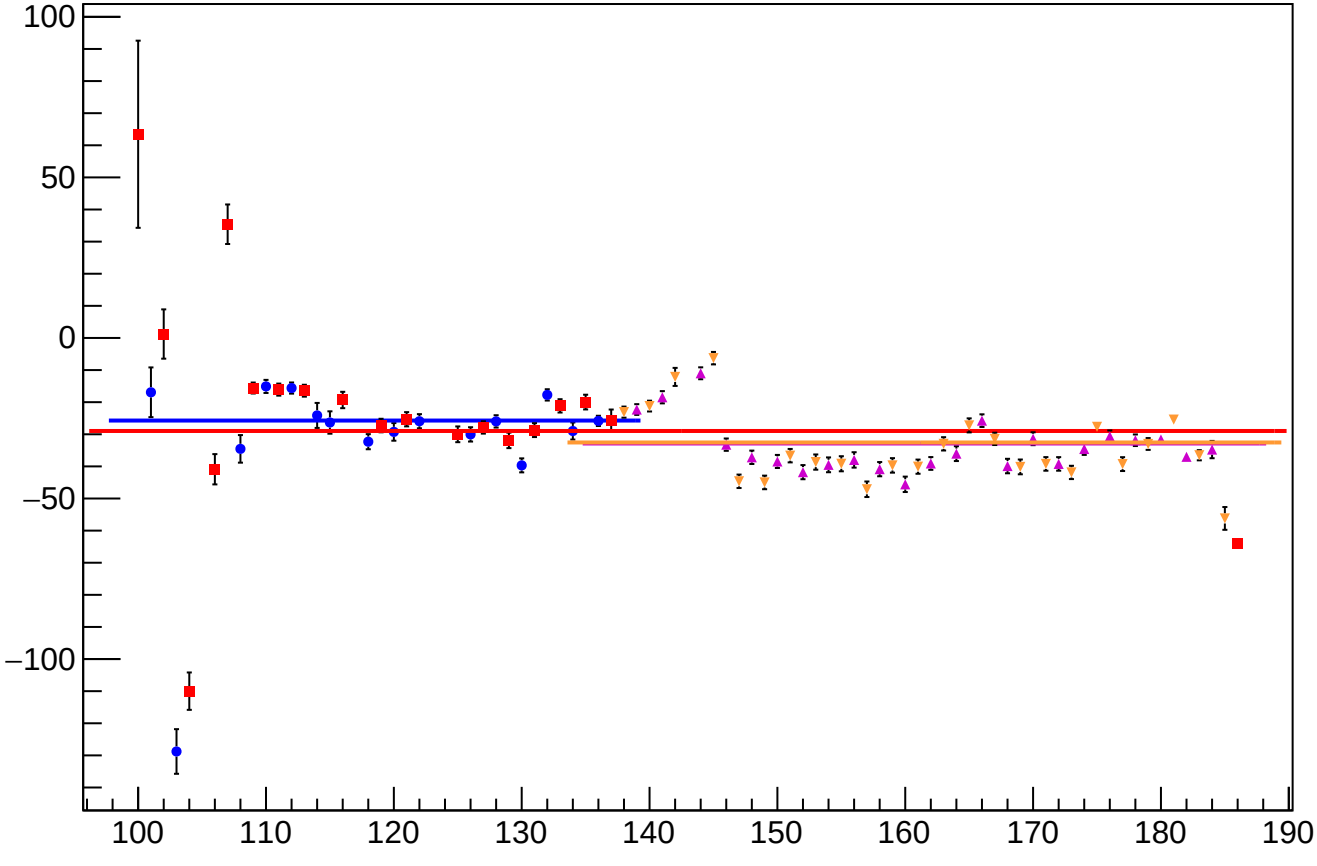
Right: -45.721+/-0.042 χ^2/NDF: 1069046.5/34

In: -55.599+/-0.023 χ^2/NDF:837928.2/38

Out: -55.905+/-0.023 χ^2/NDF:790389.4/42

All: -55.752+/-0.016 χ^2/NDF: 1628407.1/81

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -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

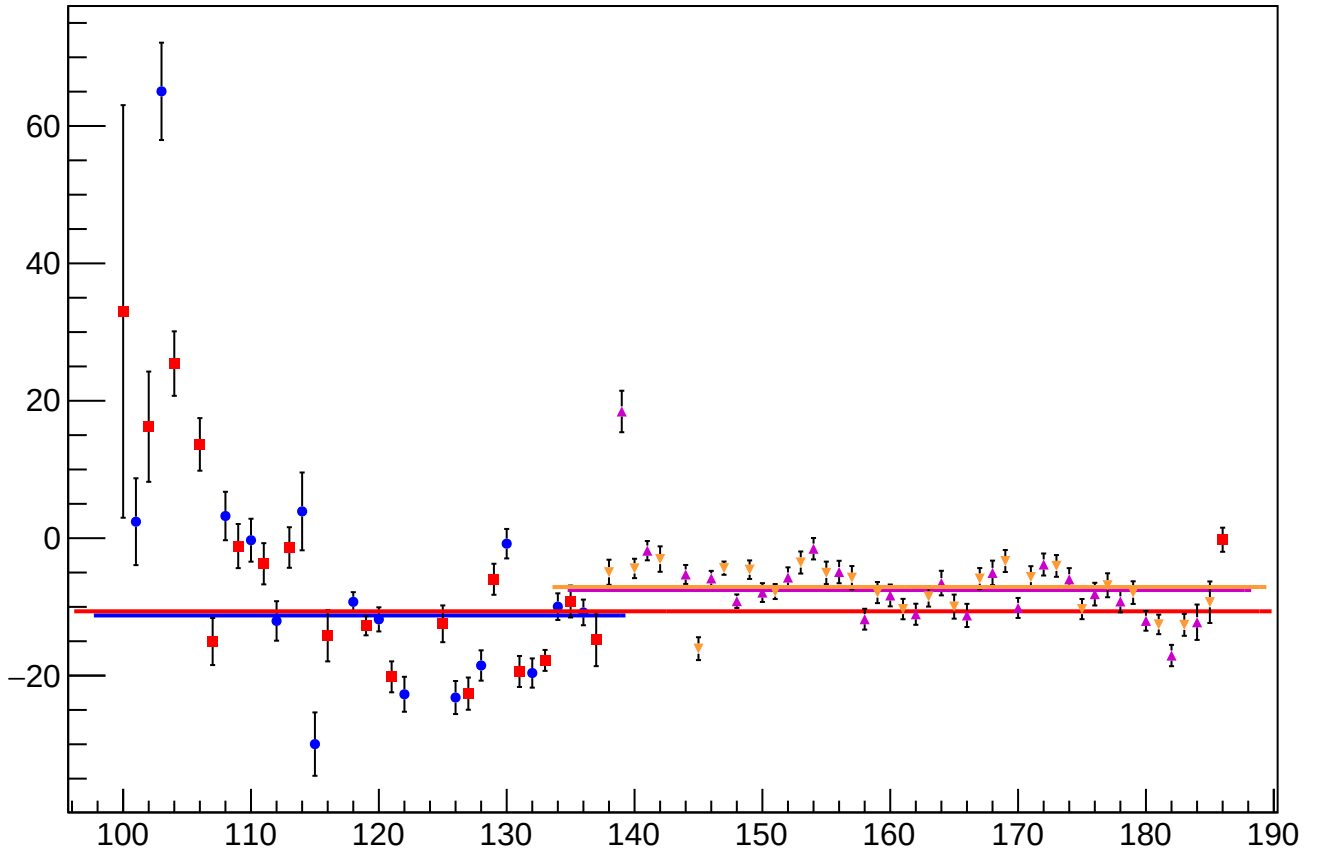
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

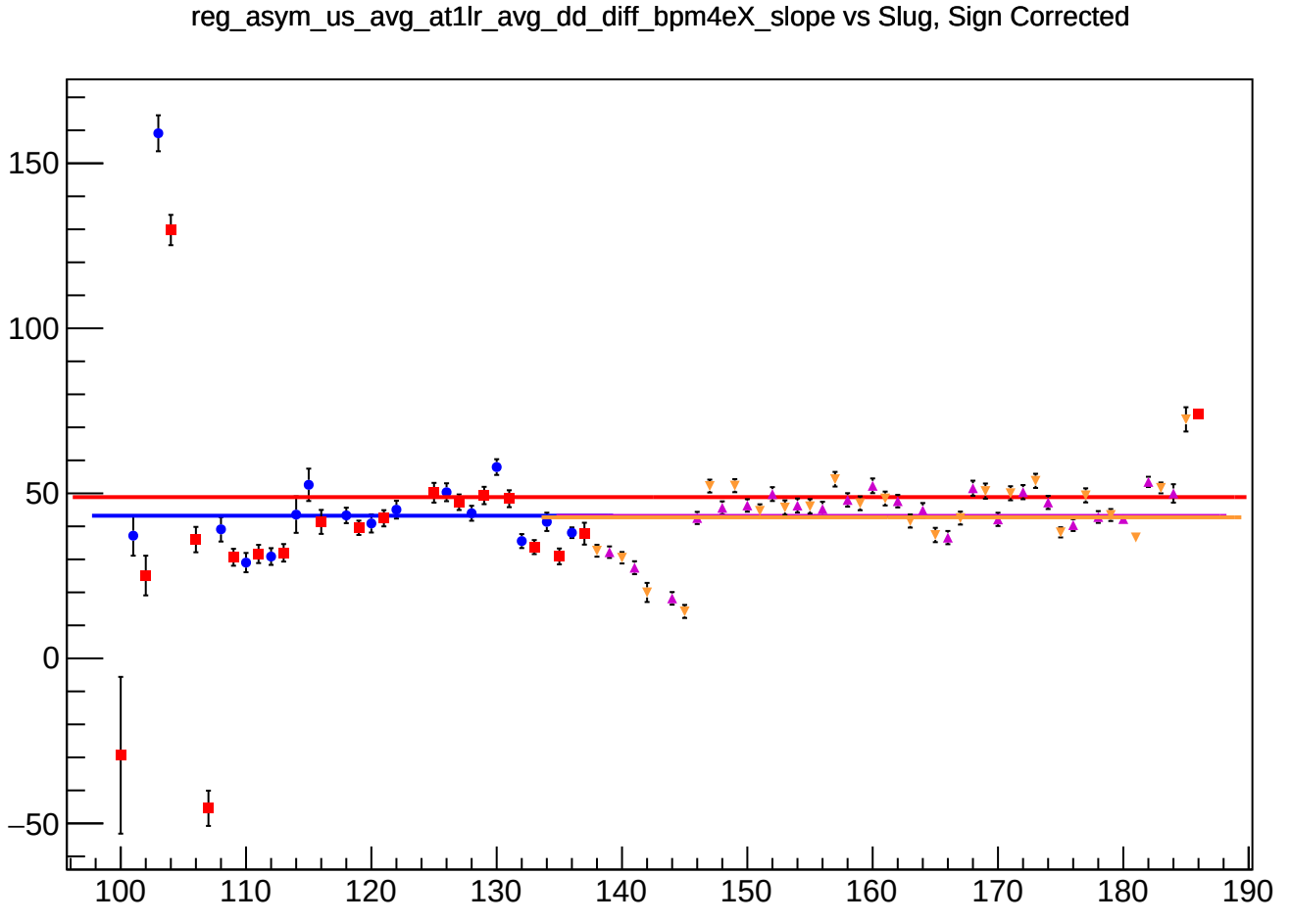
Right: -27.495+/-0.398 χ^2/NDF: 1528.8/34

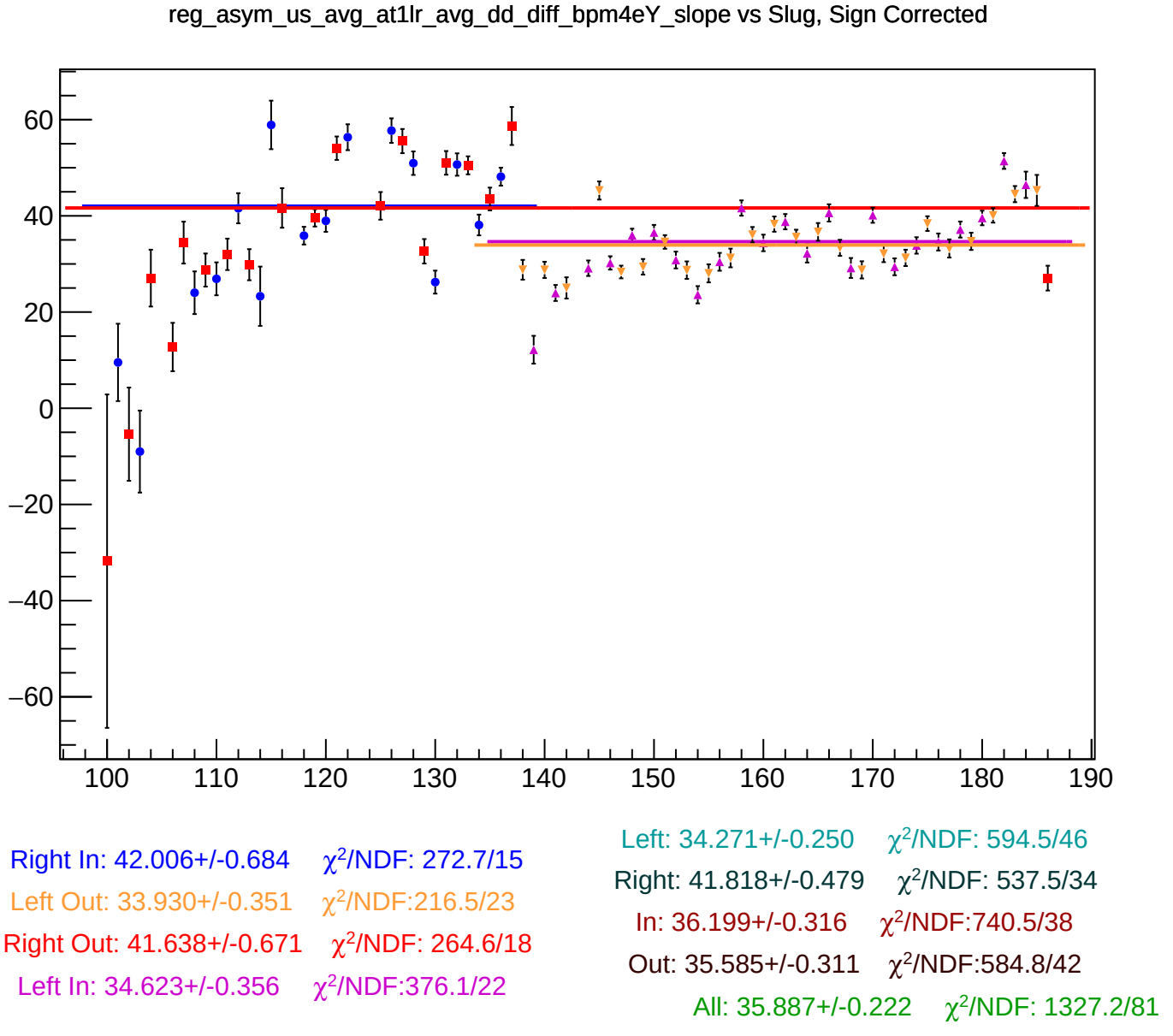
In: -30.531+/-0.337 χ^2/NDF:834.9/38

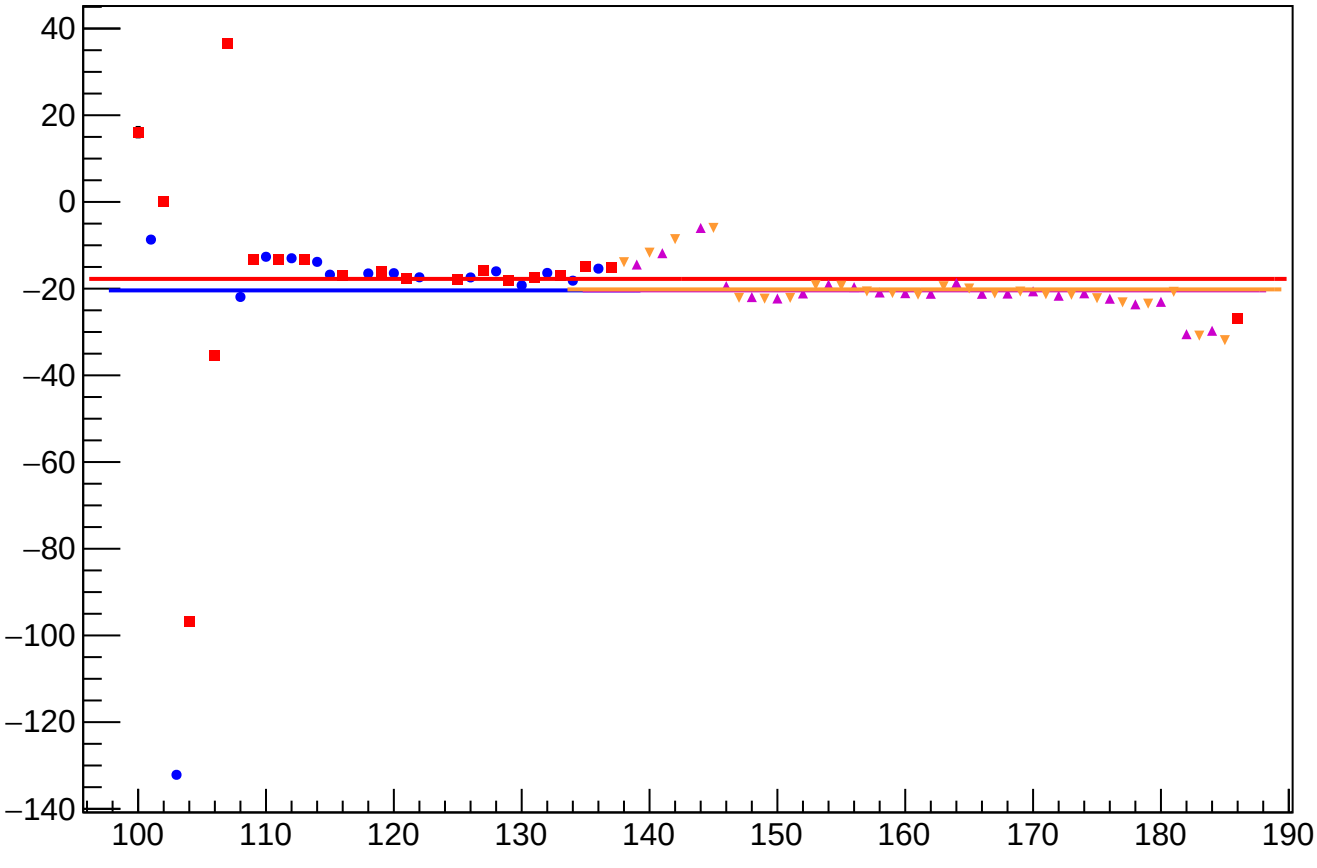
Out: -31.249+/-0.324 χ^2/NDF:1781.0/42

All: -30.904+/-0.234 χ^2/NDF: 2618.3/81


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: -11.246+/-0.600 χ²/NDF: 271.1/15
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: -10.931+/-0.415 χ²/NDF: 535.5/34
In: -8.346+/-0.279 χ²/NDF:500.6/38
Out: -7.905+/-0.272 χ²/NDF:402.8/42
All: -8.120+/-0.195 χ²/NDF: 904.7/81


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: 43.222+/-0.678 χ²/NDF: 576.0/15
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 48.859+/-0.586 χ²/NDF: 1438.1/18
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
Left: 42.955+/-0.287 χ²/NDF: 1045.1/46
Right: 46.450+/-0.443 χ²/NDF: 2053.6/34
In: 43.183+/-0.349 χ²/NDF:989.0/38
Out: 44.711+/-0.332 χ²/NDF:2143.5/42
All: 43.985+/-0.241 χ²/NDF: 3142.6/81


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 42.006+/-0.684 χ²/NDF: 272.7/15
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 41.638+/-0.671 χ²/NDF: 264.6/18
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
Left: 34.271+/-0.250 χ²/NDF: 594.5/46
Right: 41.818+/-0.479 χ²/NDF: 537.5/34
In: 36.199+/-0.316 χ²/NDF:740.5/38
Out: 35.585+/-0.311 χ²/NDF:584.8/42
All: 35.887+/-0.222 χ²/NDF: 1327.2/81



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

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

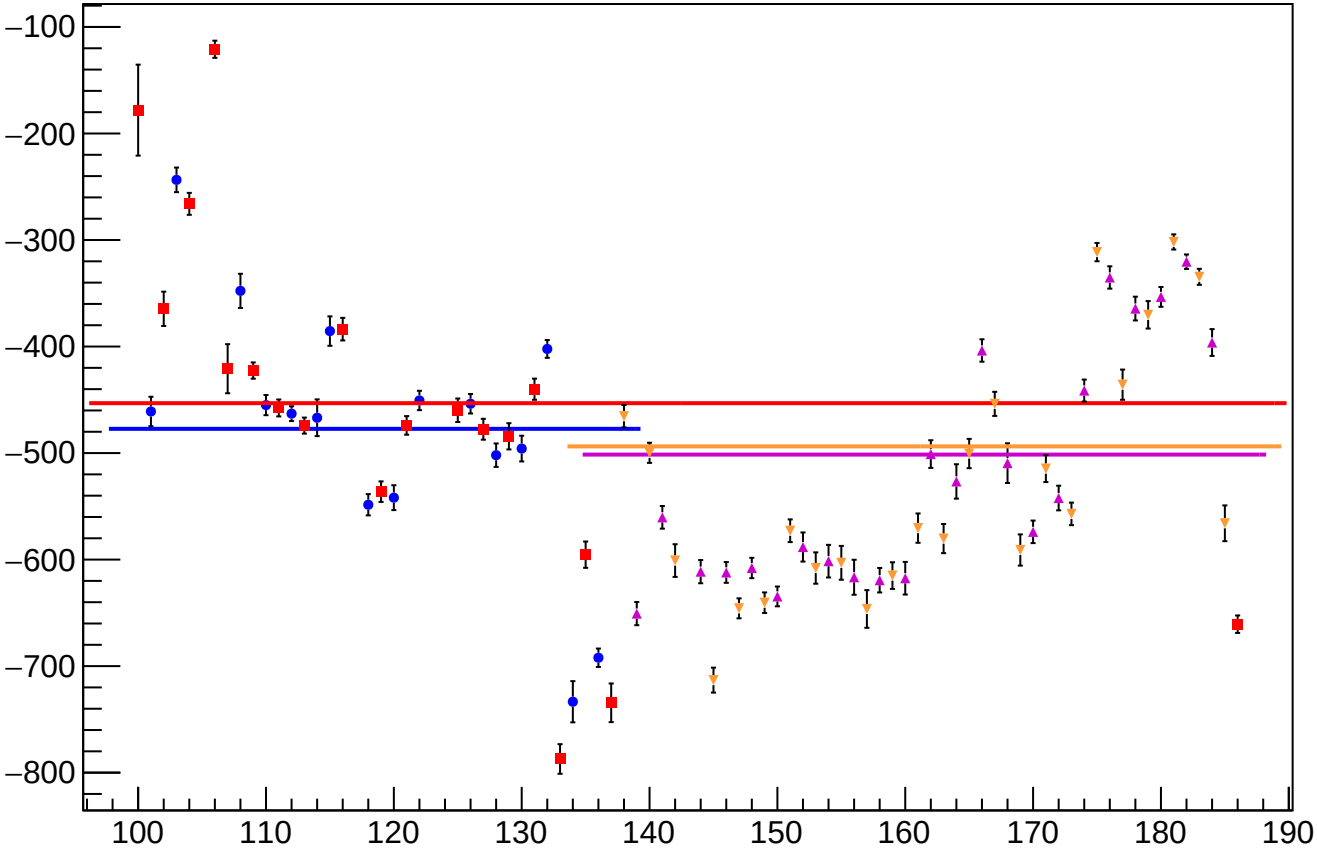
Right: -19.109+/-0.030 χ^2/NDF: 454769.4/34

In: -20.397+/-0.015 χ^2/NDF:326766.3/38

Out: -19.885+/-0.015 χ^2/NDF:309955.4/42

All: -20.142+/-0.010 χ^2/NDF: 637320.7/81

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

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

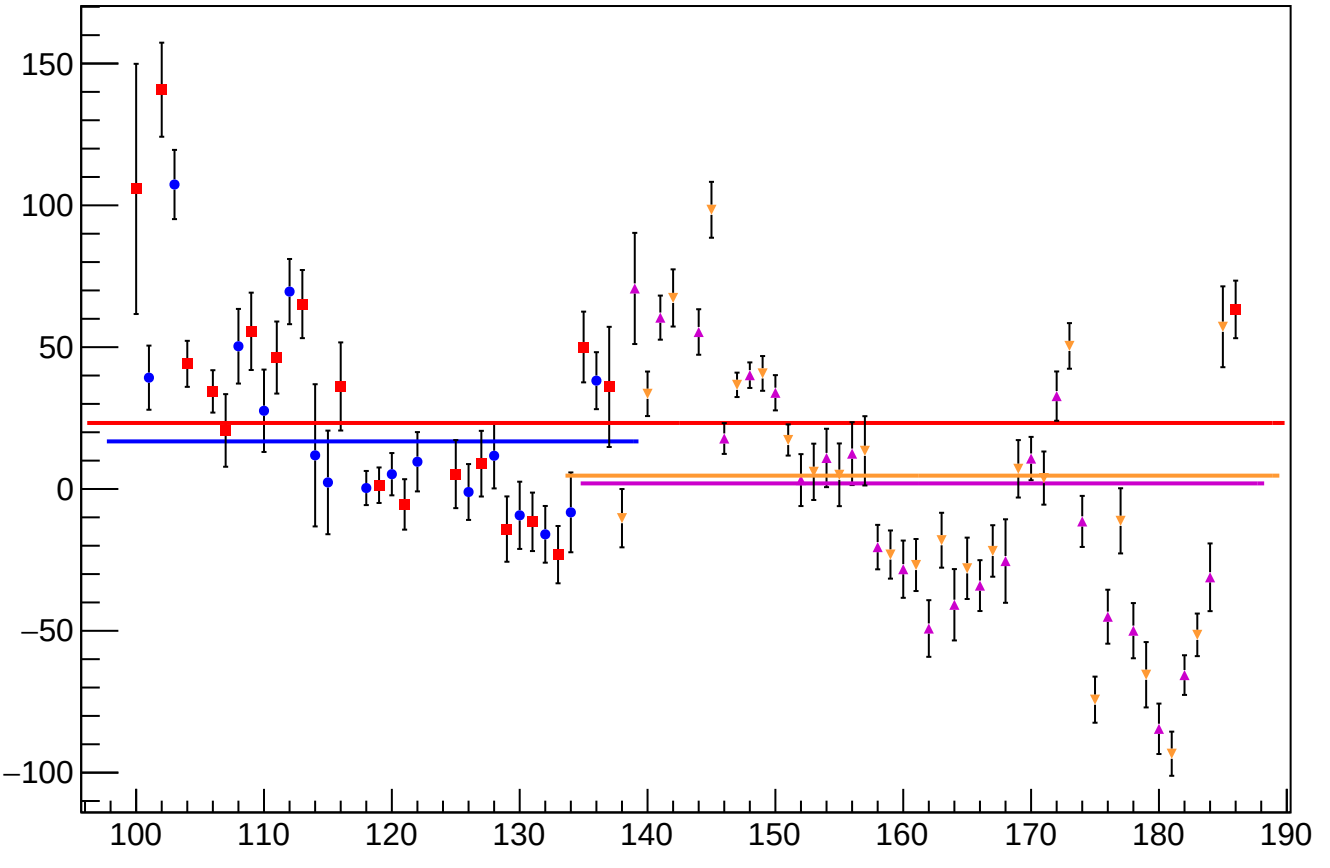
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -463.892+/-1.757 χ^2/NDF: 5416.8/34

In: -490.932+/-1.735 χ^2/NDF:4247.8/38

Out: -474.005+/-1.645 χ^2/NDF:7161.4/42

All: -482.019+/-1.194 χ^2/NDF: 11459.3/81



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

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

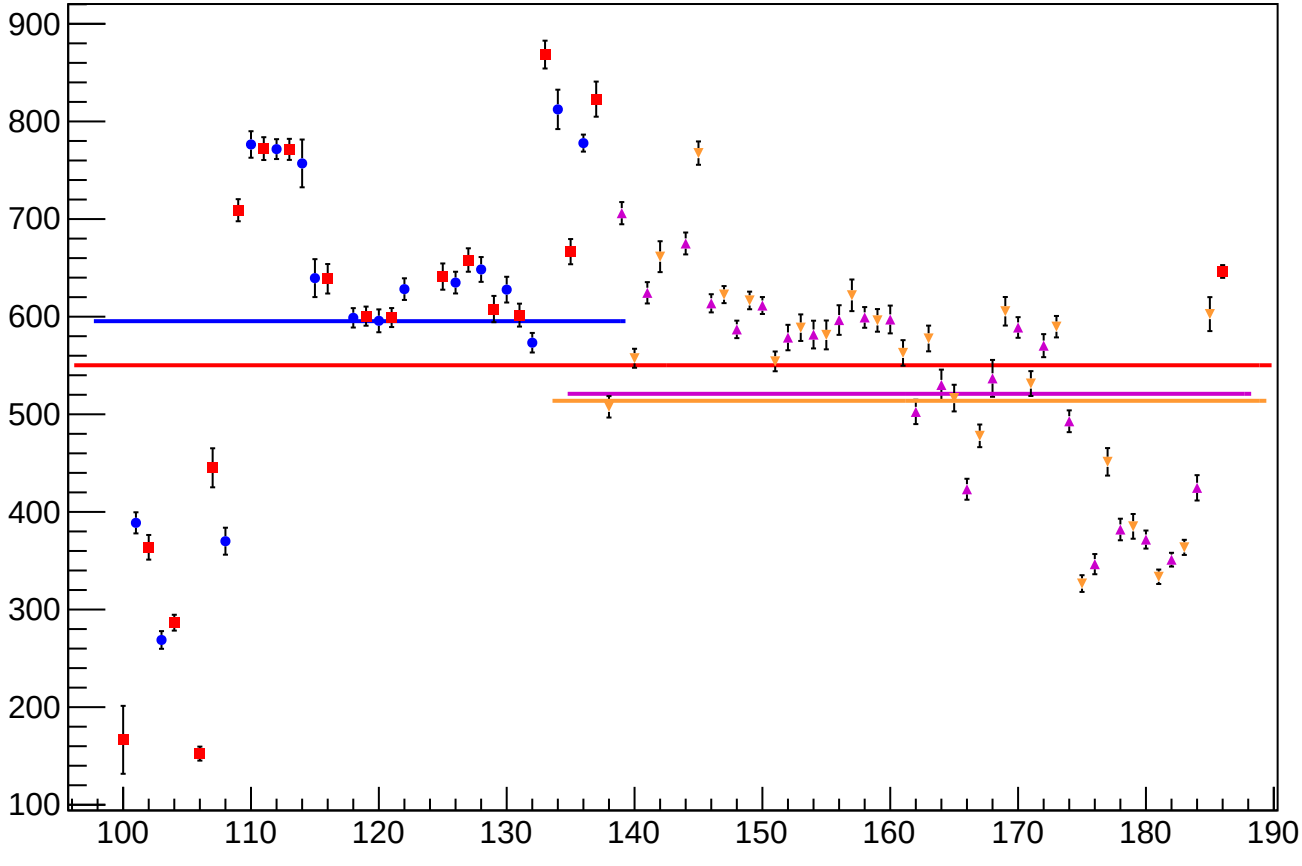
Right: 20.259+/-1.809 χ^2/NDF: 302.7/34

In: 6.356+/-1.445 χ^2/NDF:707.7/38

Out: 10.651+/-1.398 χ^2/NDF:893.2/42

All: 8.574+/-1.005 χ^2/NDF: 1605.4/81

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 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

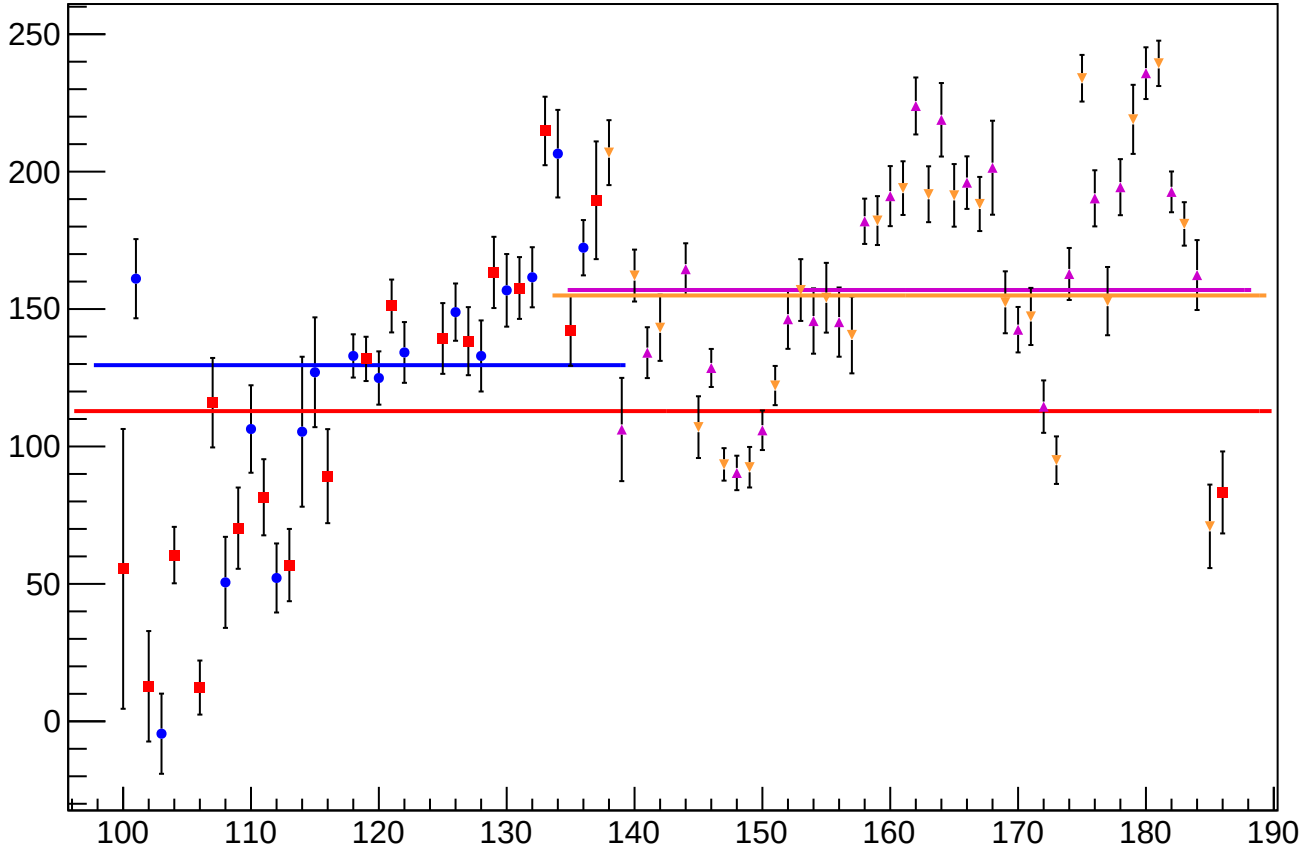
Right: 569.548+/-1.916 χ^2/NDF: 9952.8/34

In: 549.111+/-1.801 χ^2/NDF:5903.9/38

Out: 530.111+/-1.693 χ^2/NDF:9606.8/42

All: 539.024+/-1.233 χ^2/NDF: 15569.8/81

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 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

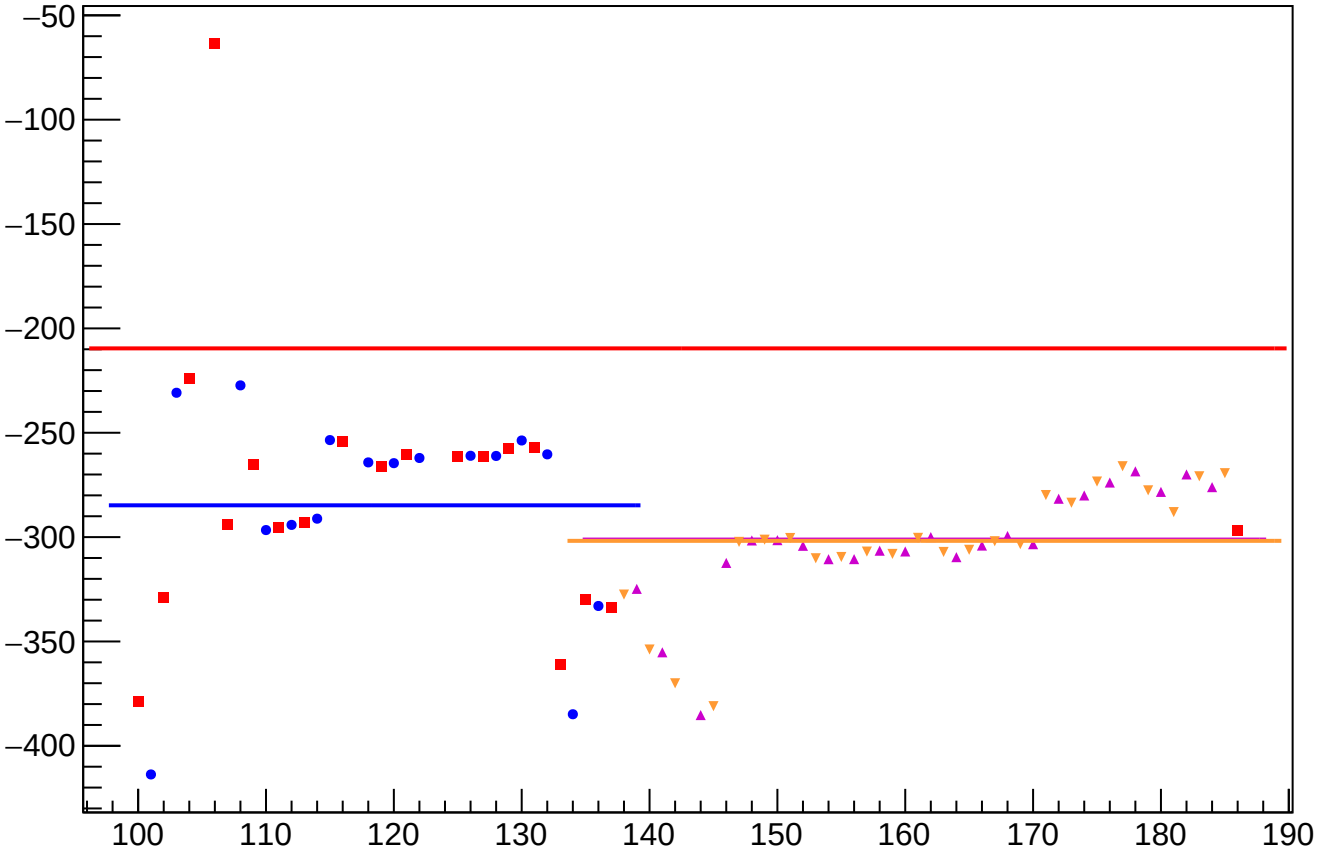
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 120.777+/-2.119 χ^2/NDF: 566.8/34

In: 148.990+/-1.660 χ^2/NDF:710.3/38

Out: 141.930+/-1.623 χ^2/NDF:1092.5/42

All: 145.380+/-1.161 χ^2/NDF: 1812.1/81



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

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

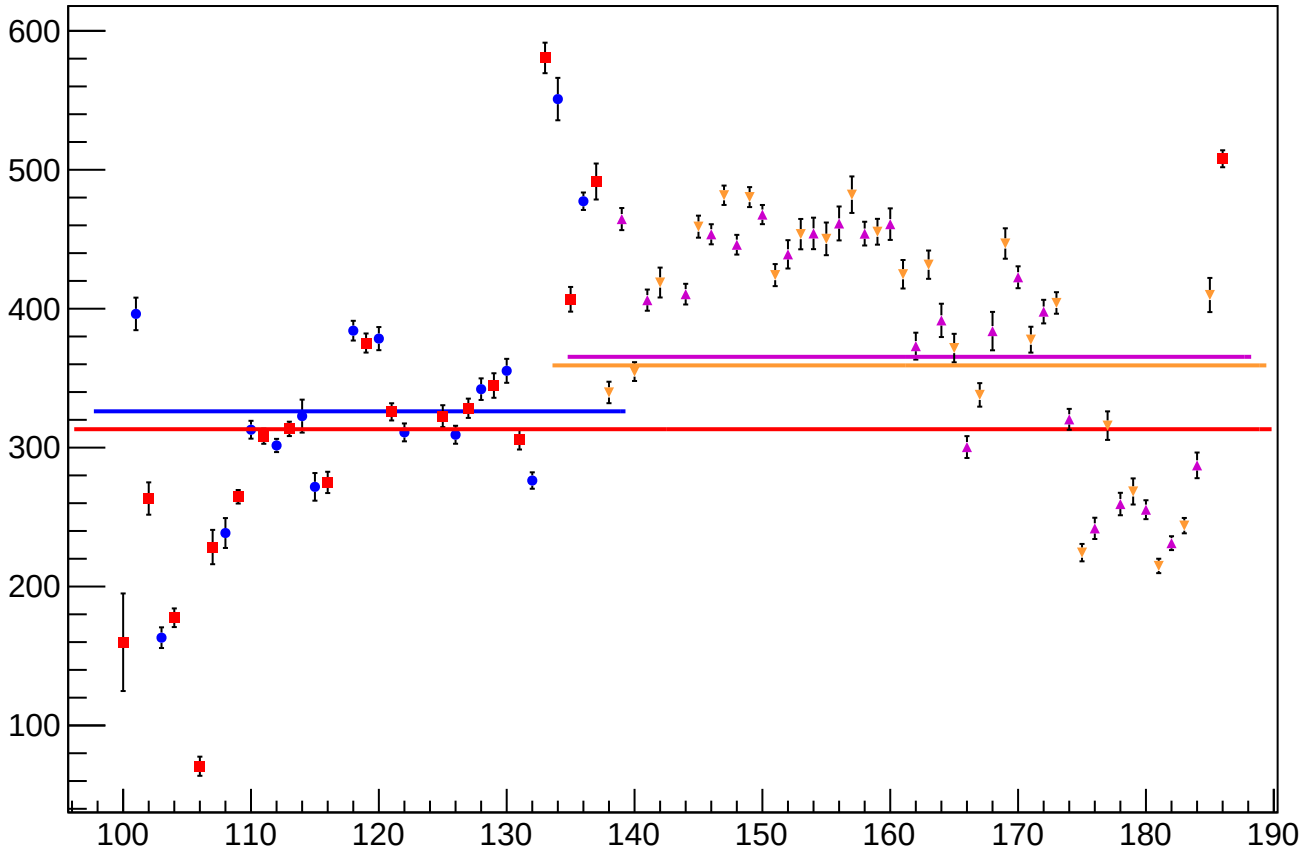
Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

Right: -240.256+/-0.113 χ^2/NDF: 754076.8/34

In: -297.820+/-0.080 χ^2/NDF:186491.6/38

Out: -276.427+/-0.077 χ^2/NDF:913938.0/42

All: -286.719+/-0.056 χ^2/NDF: 1137268.3/81



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

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

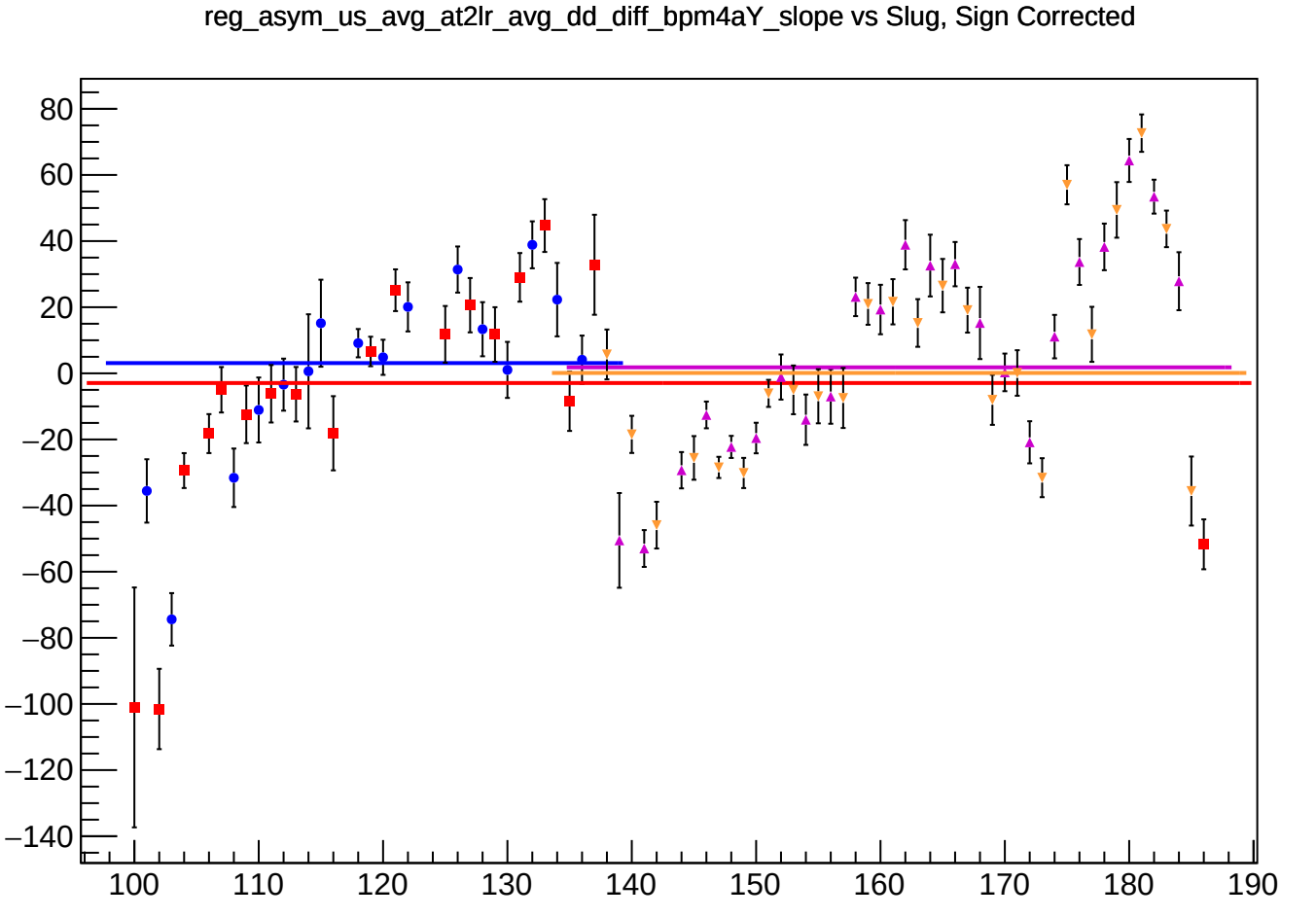
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

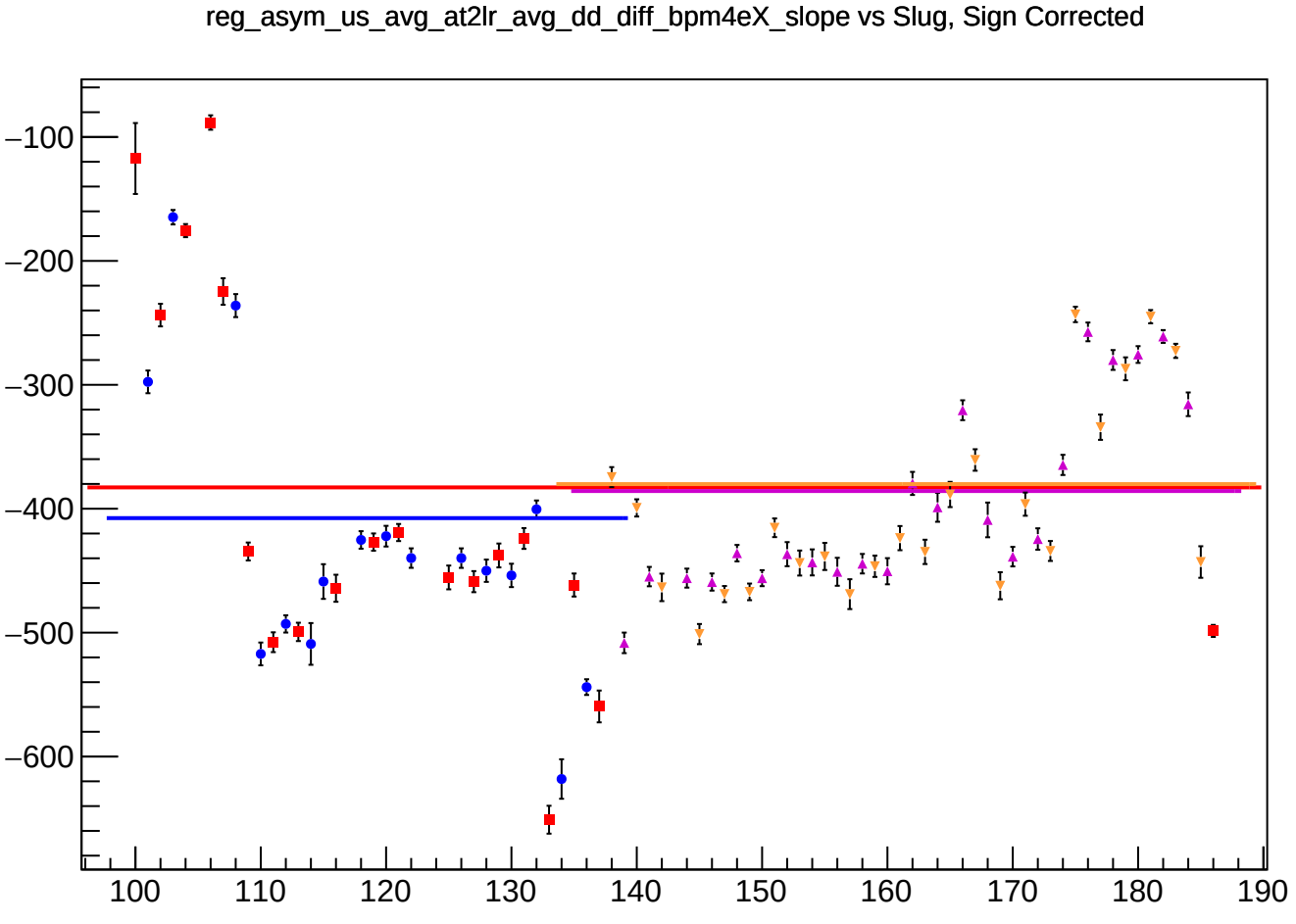
Right: 319.008+/-1.241 χ^2/NDF: 5544.0/34

In: 347.560+/-1.251 χ^2/NDF:4626.2/38

Out: 336.048+/-1.184 χ^2/NDF:7438.4/42

All: 341.490+/-0.860 χ^2/NDF: 12109.3/81


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: 3.101+/-1.892 χ²/NDF: 184.5/15
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -2.928+/-1.743 χ²/NDF: 249.4/18
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
Left: 0.950+/-0.889 χ²/NDF: 1215.9/46
Right: -0.161+/-1.282 χ²/NDF: 439.4/34
In: 2.211+/-1.053 χ²/NDF:761.9/38
Out: -0.916+/-1.014 χ²/NDF:889.3/42
All: 0.589+/-0.730 χ²/NDF: 1655.7/81



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

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

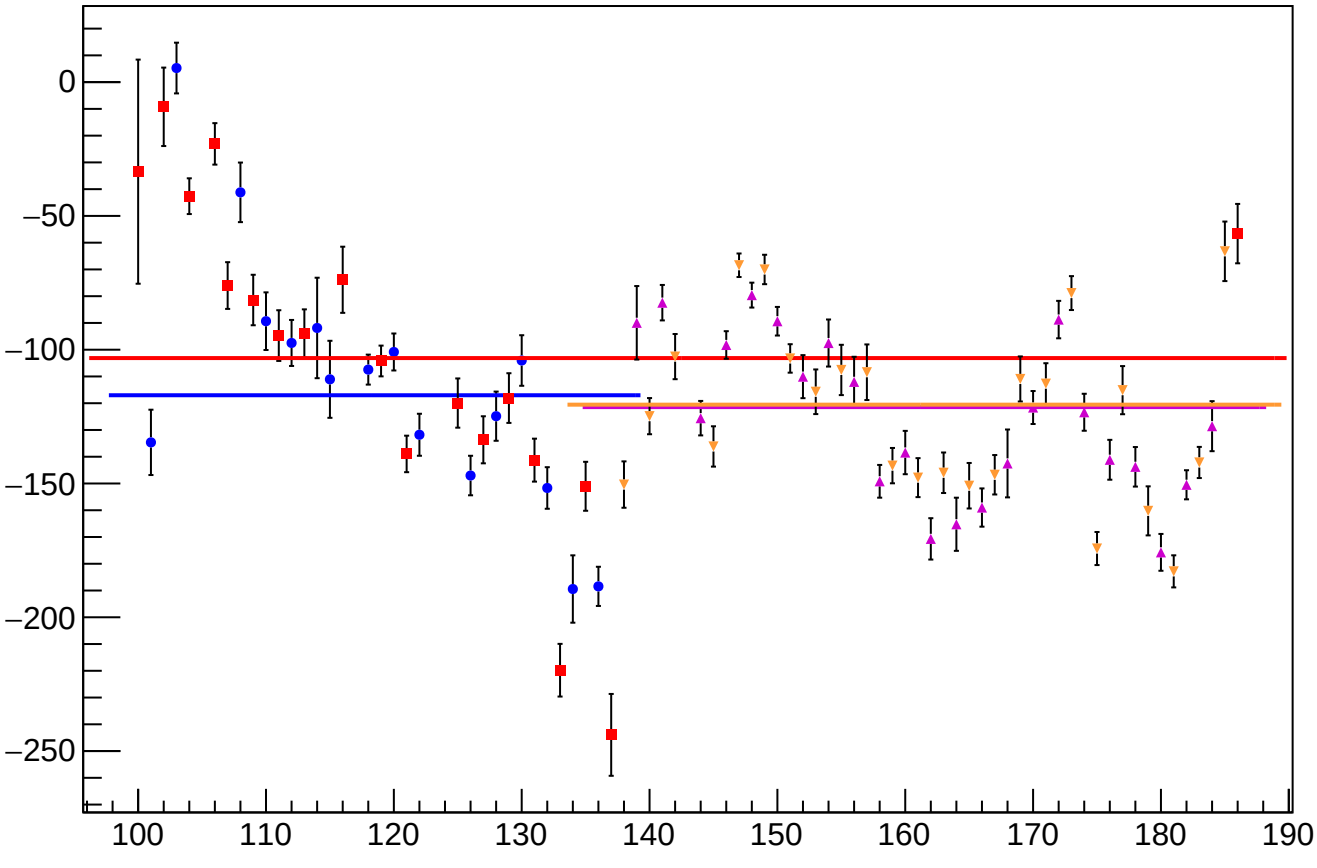
Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

Right: -393.465+/-1.361 χ^2/NDF: 10239.6/34

In: -394.363+/-1.304 χ^2/NDF:5708.9/38

Out: -381.364+/-1.225 χ^2/NDF:9497.5/42

All: -387.460+/-0.893 χ^2/NDF: 15259.2/81



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

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

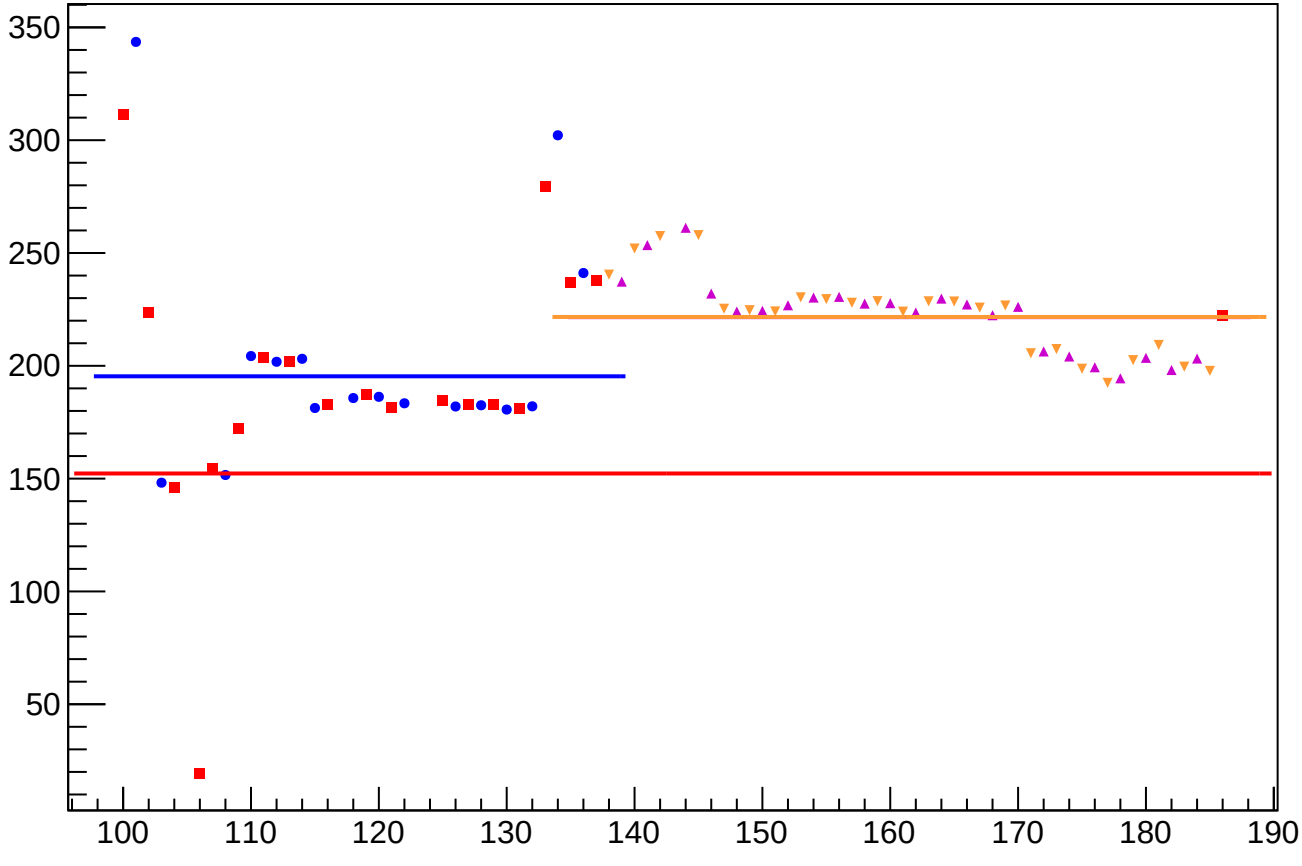
Right: -109.619+/-1.500 χ^2/NDF: 1022.5/34

In: -120.106+/-1.210 χ^2/NDF:843.3/38

Out: -114.831+/-1.177 χ^2/NDF:1253.0/42

All: -117.396+/-0.843 χ^2/NDF: 2106.1/81

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 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

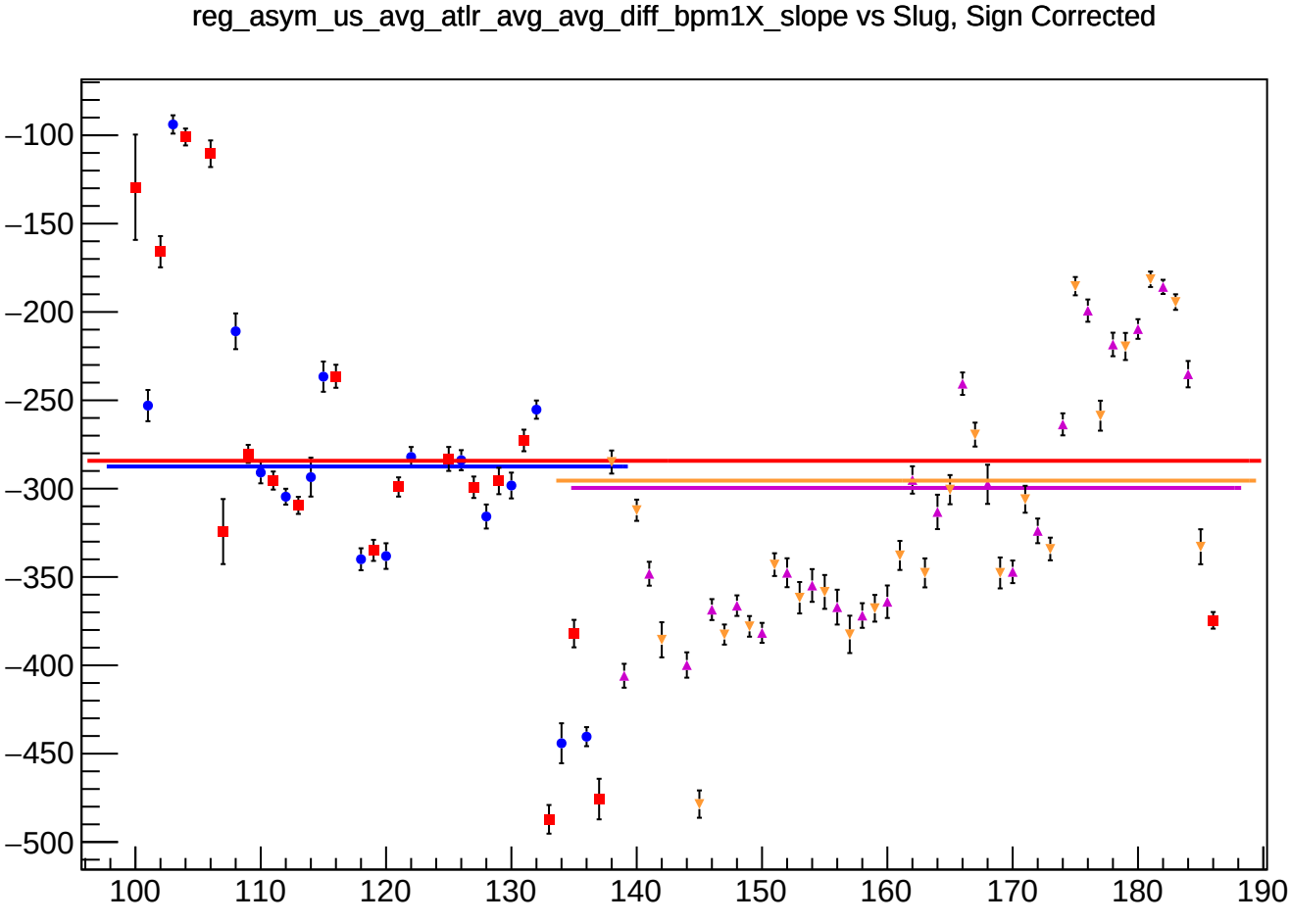
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 170.971+/-0.082 χ^2/NDF: 751755.0/34

In: 215.802+/-0.058 χ^2/NDF:273622.9/38

Out: 202.793+/-0.057 χ^2/NDF:868650.7/42

All: 209.120+/-0.041 χ^2/NDF: 1167695.2/81



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

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

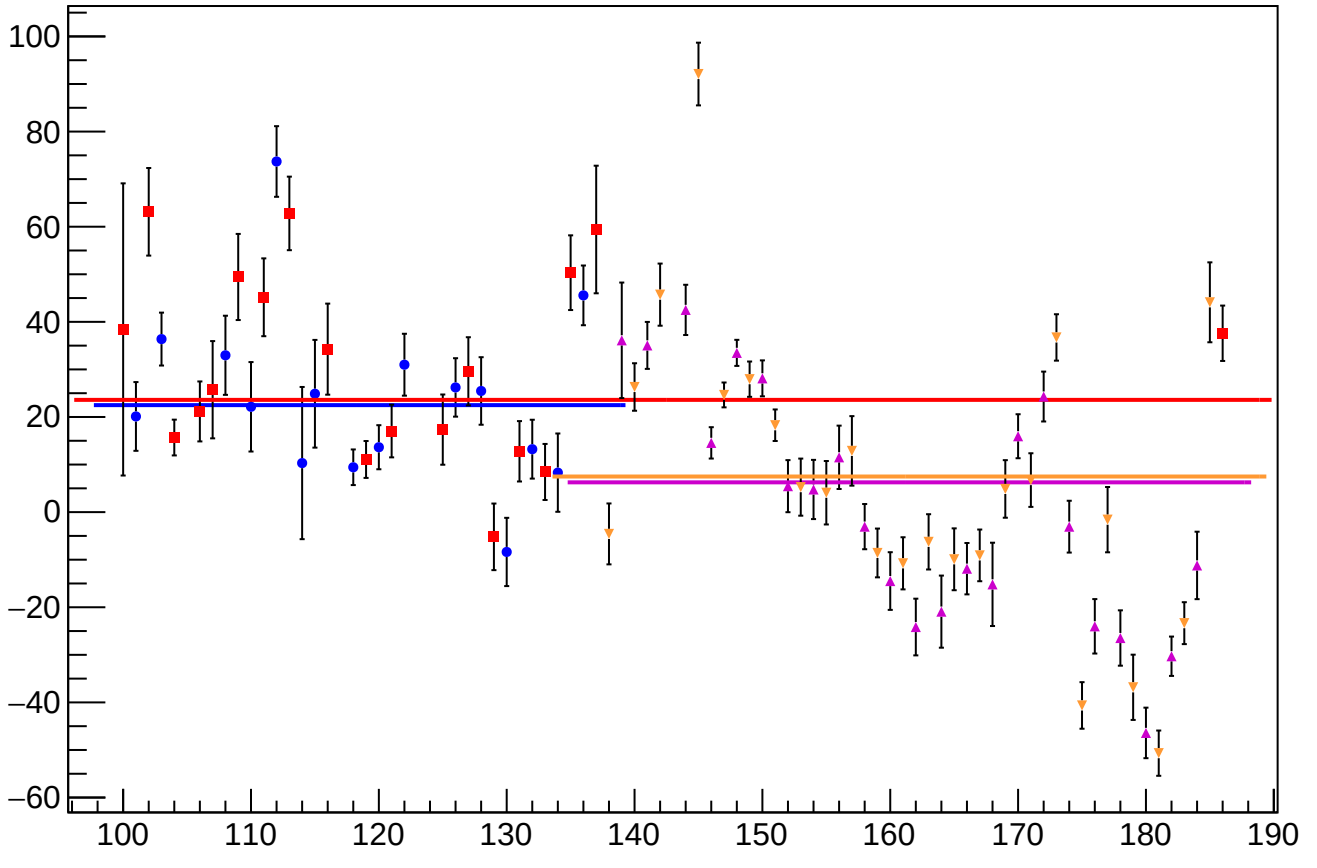
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -285.712+/-1.087 χ^2/NDF: 6520.6/34

In: -294.391+/-1.055 χ^2/NDF:5700.5/38

Out: -290.166+/-1.012 χ^2/NDF:7198.9/42

All: -292.190+/-0.731 χ^2/NDF: 12907.7/81



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

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

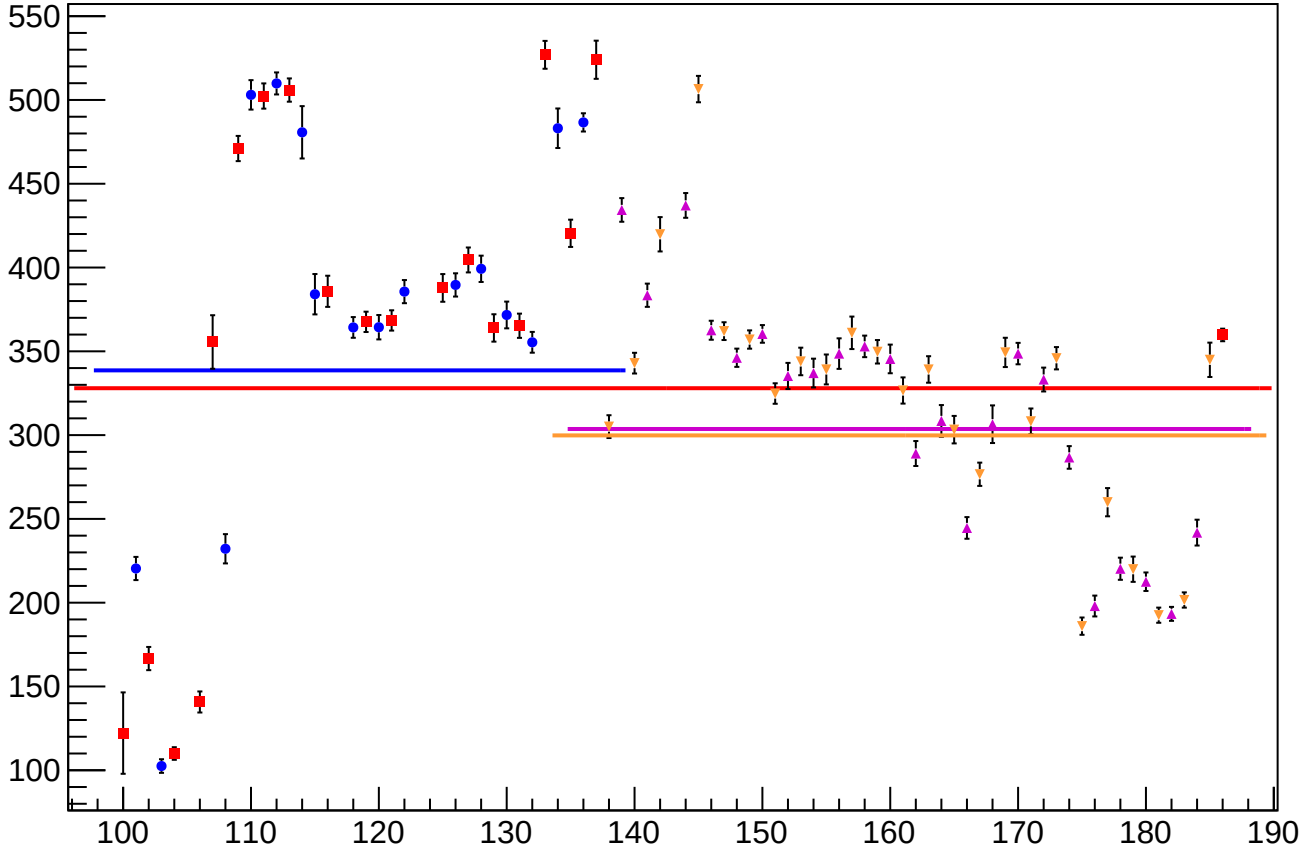
Right: 23.082+/-1.107 χ^2/NDF: 241.2/34

In: 11.026+/-0.878 χ^2/NDF:741.7/38

Out: 12.573+/-0.852 χ^2/NDF:945.3/42

All: 11.823+/-0.611 χ^2/NDF: 1688.7/81

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 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

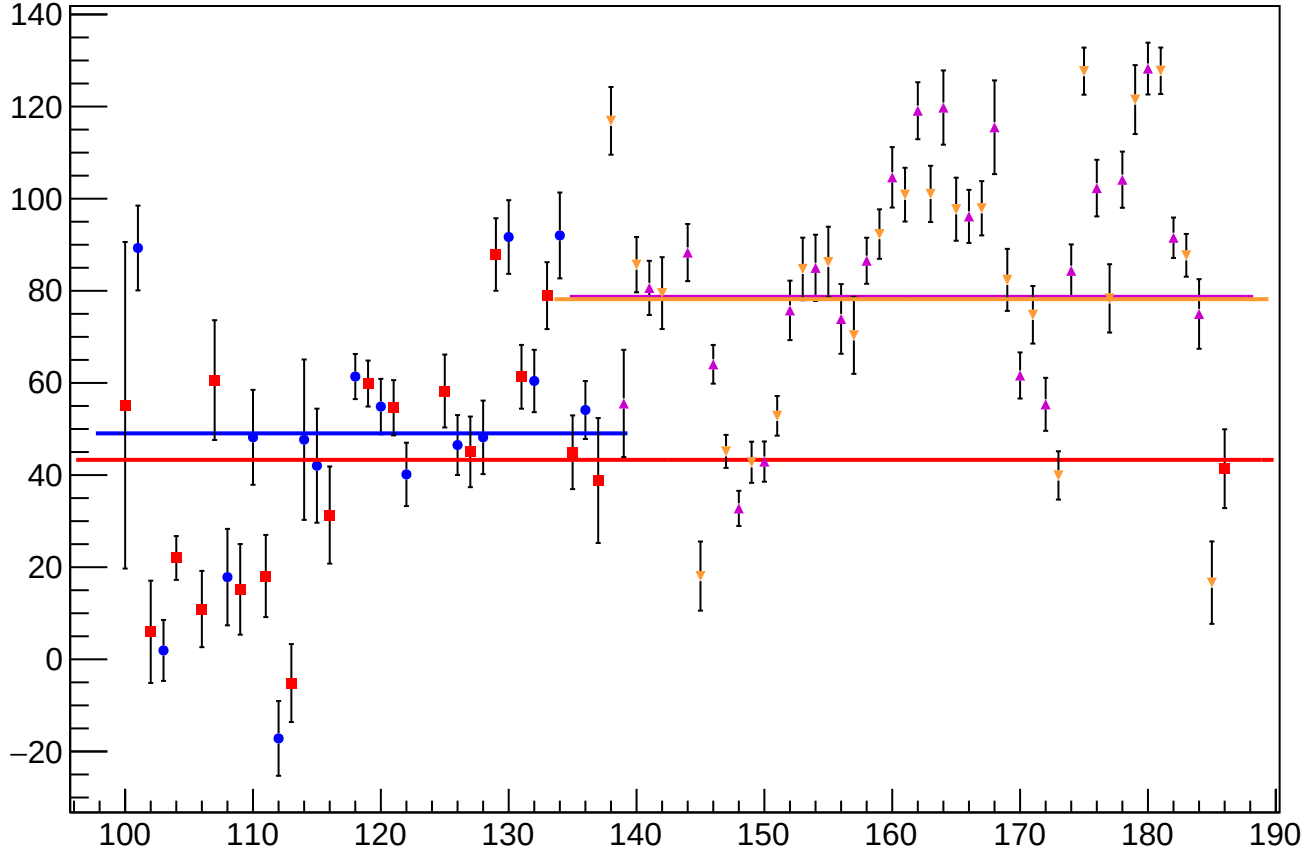
Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

Right: 332.651+/-1.157 χ^2/NDF: 13870.8/34

In: 317.112+/-1.084 χ^2/NDF:9161.6/38

Out: 312.341+/-1.029 χ^2/NDF:11068.2/42

All: 314.602+/-0.747 χ^2/NDF: 20239.9/81



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

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

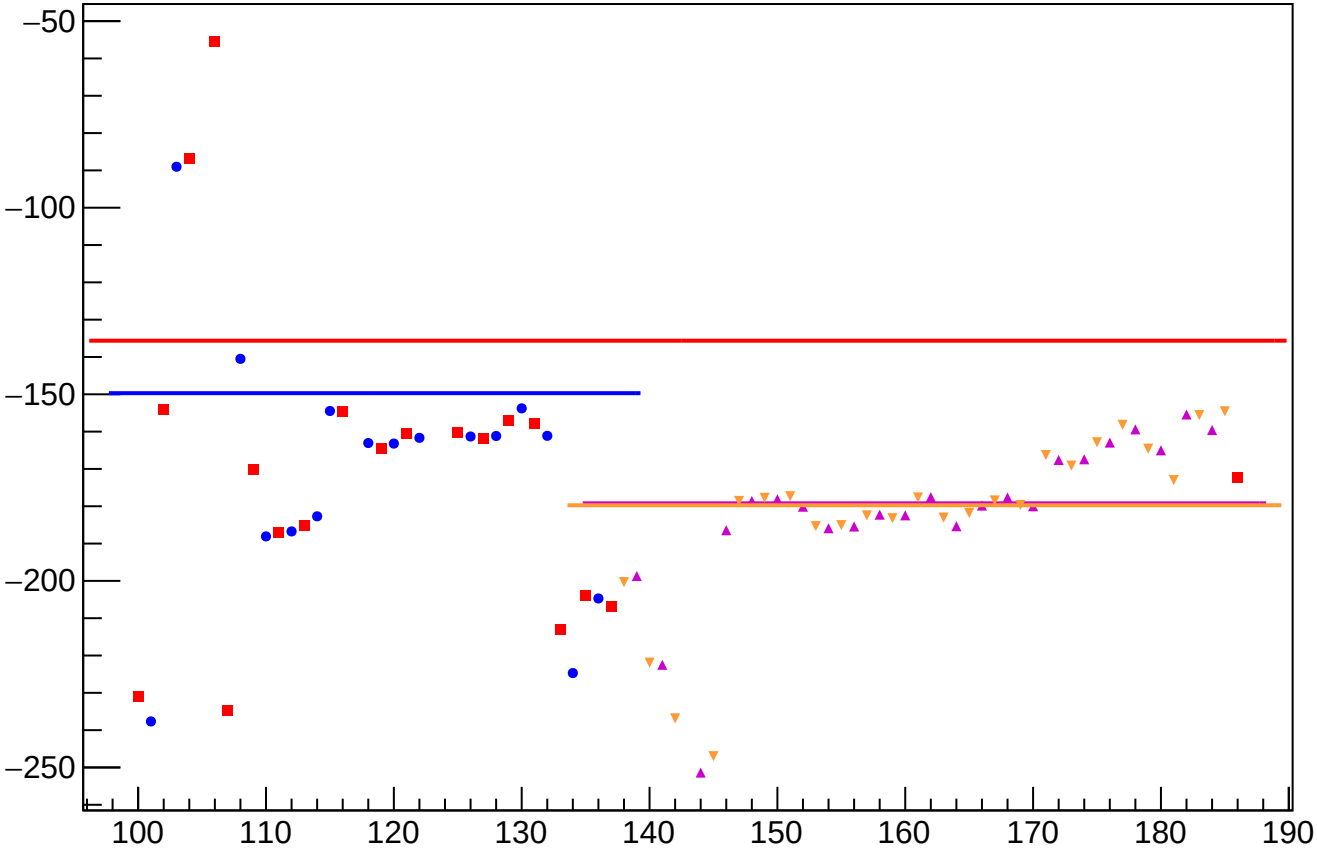
Right: 46.039+/-1.298 χ^2/NDF: 392.9/34

In: 70.178+/-1.009 χ^2/NDF:873.2/38

Out: 67.584+/-0.988 χ^2/NDF:1106.8/42

All: 68.854+/-0.706 χ^2/NDF: 1983.4/81

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

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

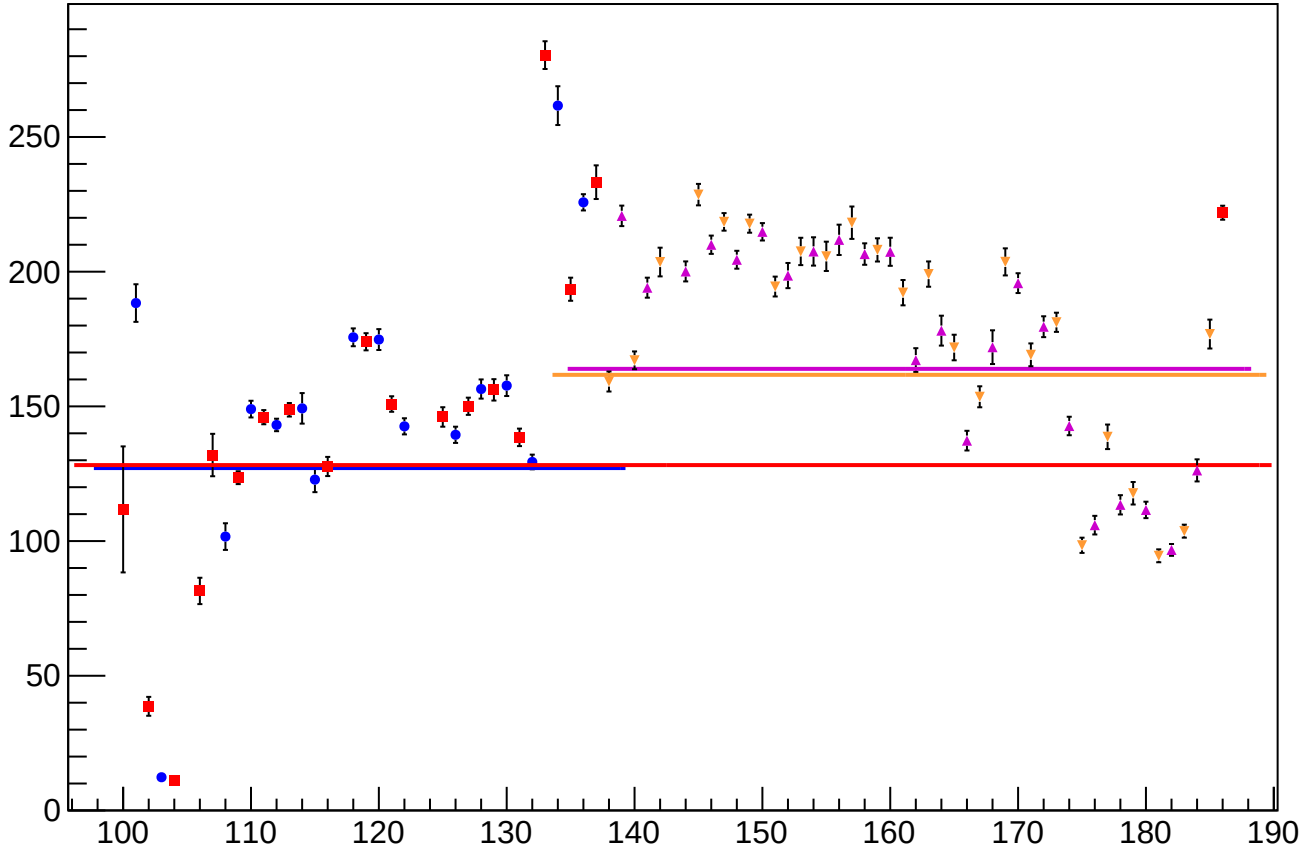
Right: -142.309+/-0.069 χ^2/NDF: 583028.1/34

In: -172.541+/-0.048 χ^2/NDF:436334.7/38

Out: -168.806+/-0.048 χ^2/NDF:607915.6/42

All: -170.664+/-0.034 χ^2/NDF: 1047299.0/81

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 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

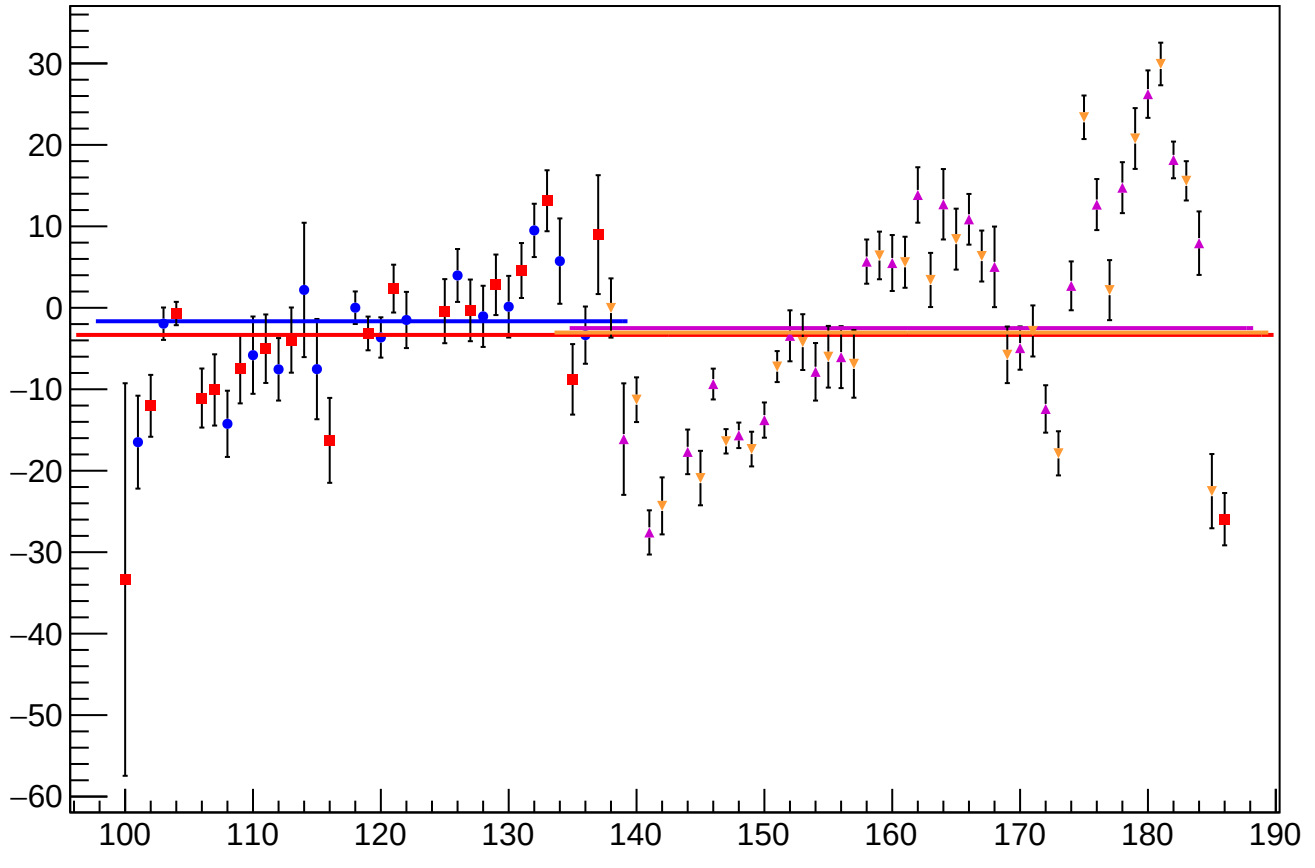
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 127.701+/-0.547 χ^2/NDF: 14229.5/34

In: 146.244+/-0.562 χ^2/NDF:10571.1/38

Out: 144.201+/-0.536 χ^2/NDF:12626.1/42

All: 145.175+/-0.388 χ^2/NDF: 23204.1/81



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

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

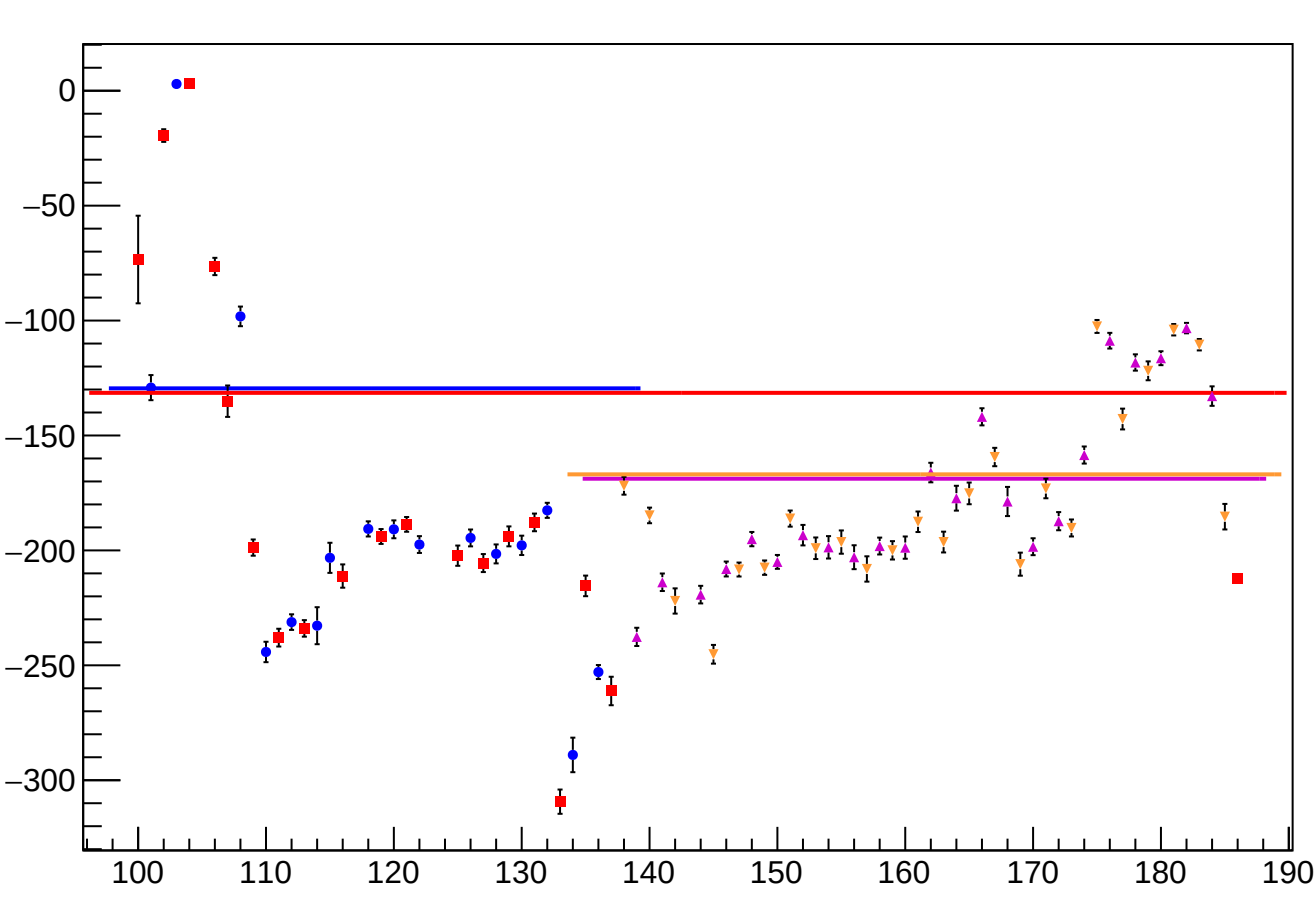
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

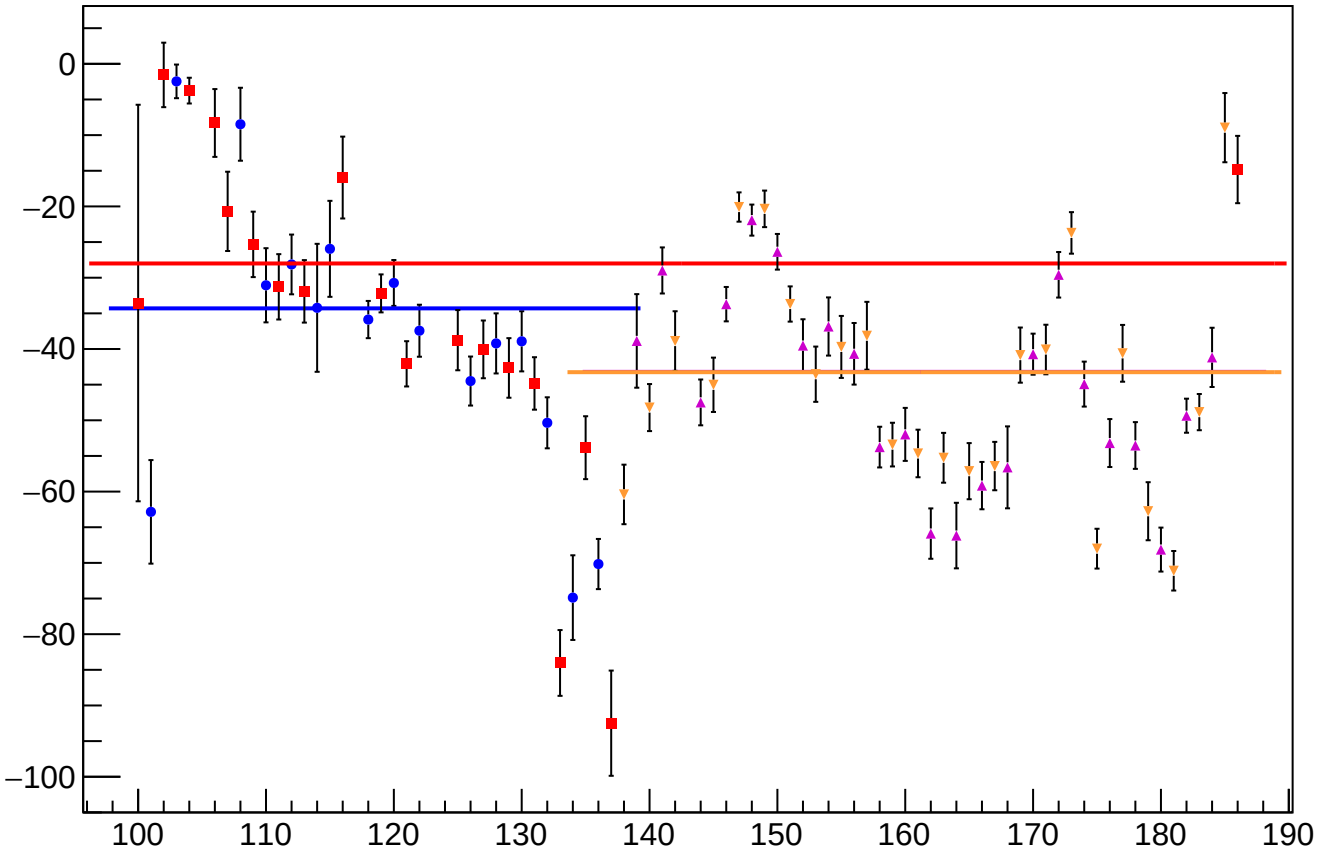
Right: -2.578+/-0.557 χ^2/NDF: 152.3/34

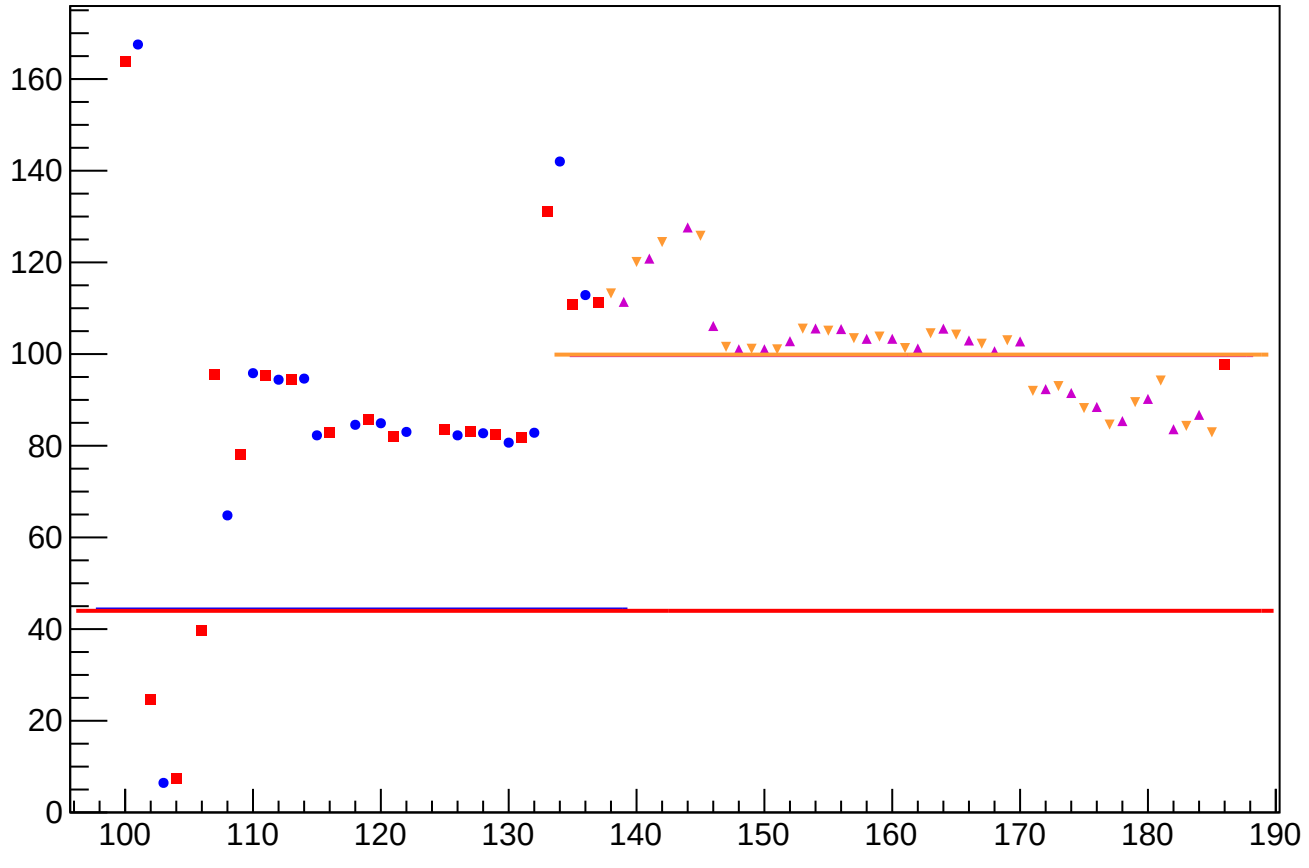
In: -2.213+/-0.480 χ^2/NDF:602.6/38

Out: -3.146+/-0.458 χ^2/NDF:765.6/42

All: -2.702+/-0.331 χ^2/NDF: 1370.2/81


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
180
190
Right In: -129.497+/-0.846 χ²/NDF: 14687.9/15
Left Out: -166.912+/-0.771 χ²/NDF:3096.2/23
Right Out: -131.448+/-0.757 χ²/NDF: 17929.0/18
Left In: -168.810+/-0.772 χ²/NDF:3059.5/22
Left: -167.859+/-0.546 χ²/NDF: 6158.8/46
Right: -130.581+/-0.564 χ²/NDF: 32619.9/34
In: -150.946+/-0.571 χ²/NDF:18924.4/38
Out: -148.850+/-0.540 χ²/NDF:22103.3/42
All: -149.840+/-0.392 χ²/NDF: 41034.8/81


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -28.002+/-0.891 χ²/NDF: 576.1/18
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -30.890+/-0.655 χ²/NDF: 1010.3/34
In: -40.321+/-0.551 χ²/NDF:874.4/38
Out: -37.802+/-0.532 χ²/NDF:1374.7/42
All: -39.019+/-0.383 χ²/NDF: 2259.8/81



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 43.989+/-0.045 χ^2/NDF: 830874.8/18

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

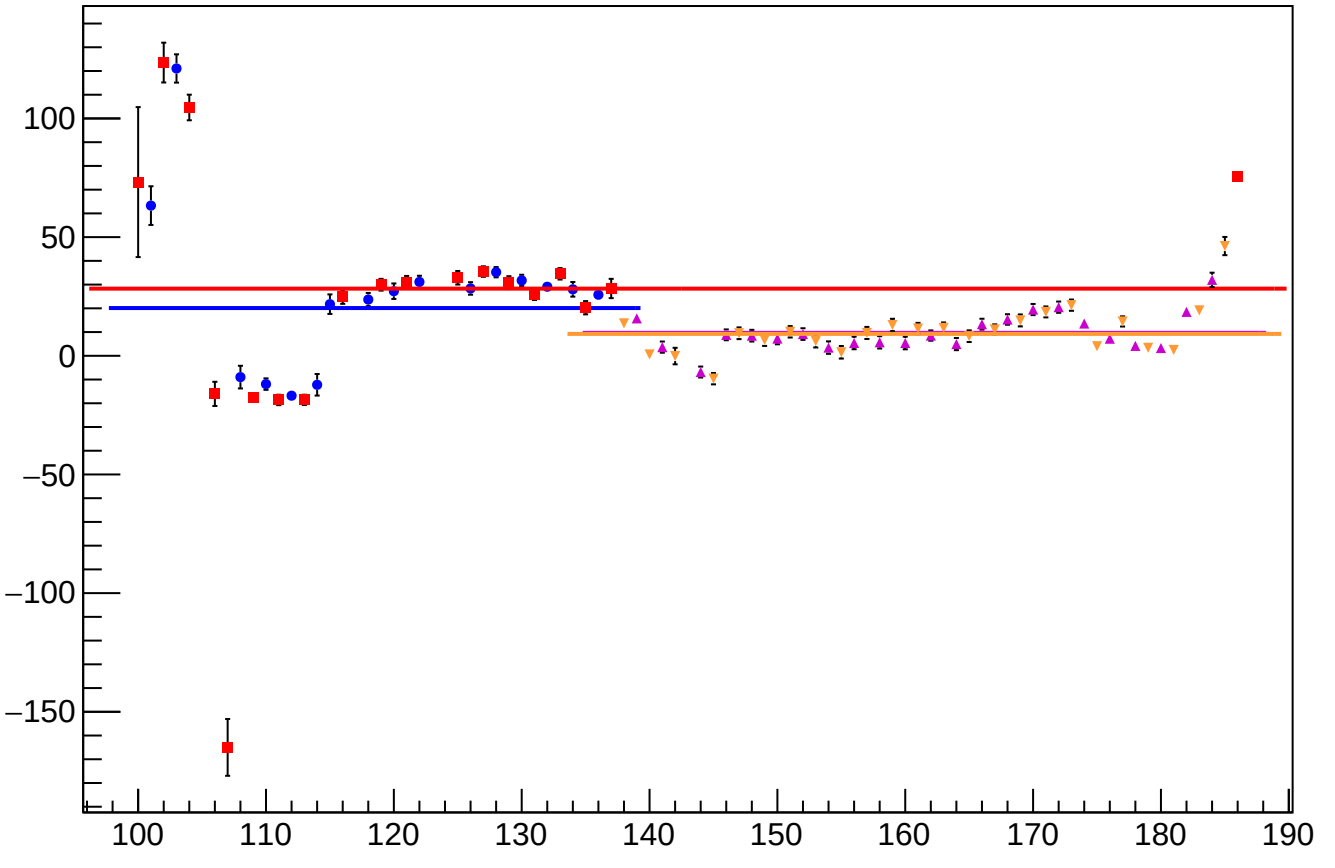
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

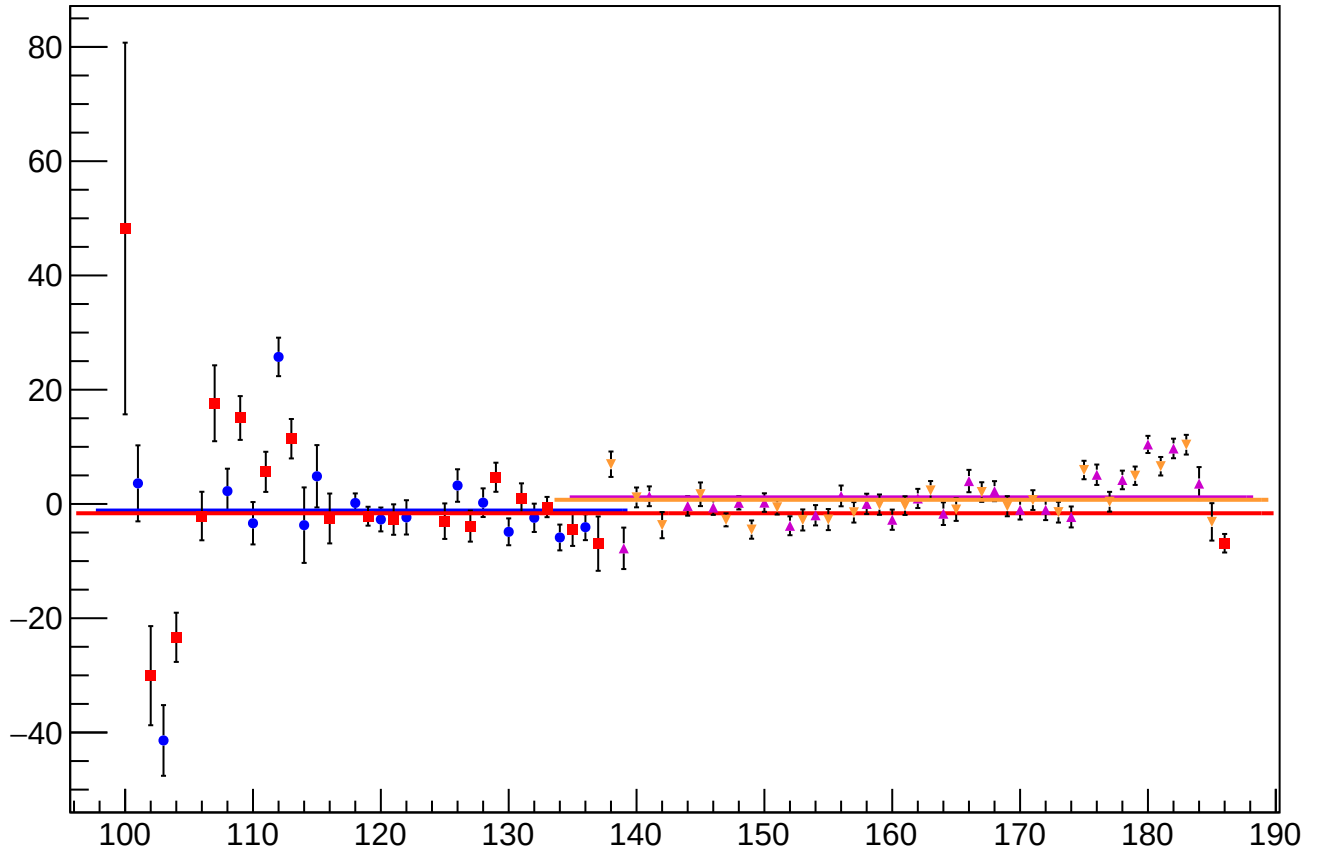
Right: 44.131+/-0.032 χ^2/NDF: 1915977.2/34

In: 82.228+/-0.025 χ^2/NDF:2241431.8/38

Out: 81.882+/-0.025 χ^2/NDF:2017194.1/42

All: 82.055+/-0.018 χ^2/NDF: 4258719.8/81


reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: 20.117+/-0.687 χ²/NDF: 1048.1/15
Left Out: 9.228+/-0.456 χ²/NDF:327.5/23
Right Out: 28.299+/-0.606 χ²/NDF: 3393.1/18
Left In: 9.676+/-0.462 χ²/NDF:246.7/22
Left: 9.449+/-0.325 χ²/NDF: 574.7/46
Right: 24.719+/-0.454 χ²/NDF: 4521.0/34
In: 12.931+/-0.384 χ²/NDF:1453.8/38
Out: 16.131+/-0.365 χ²/NDF:4352.6/42
All: 14.612+/-0.264 χ²/NDF: 5842.9/81



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

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

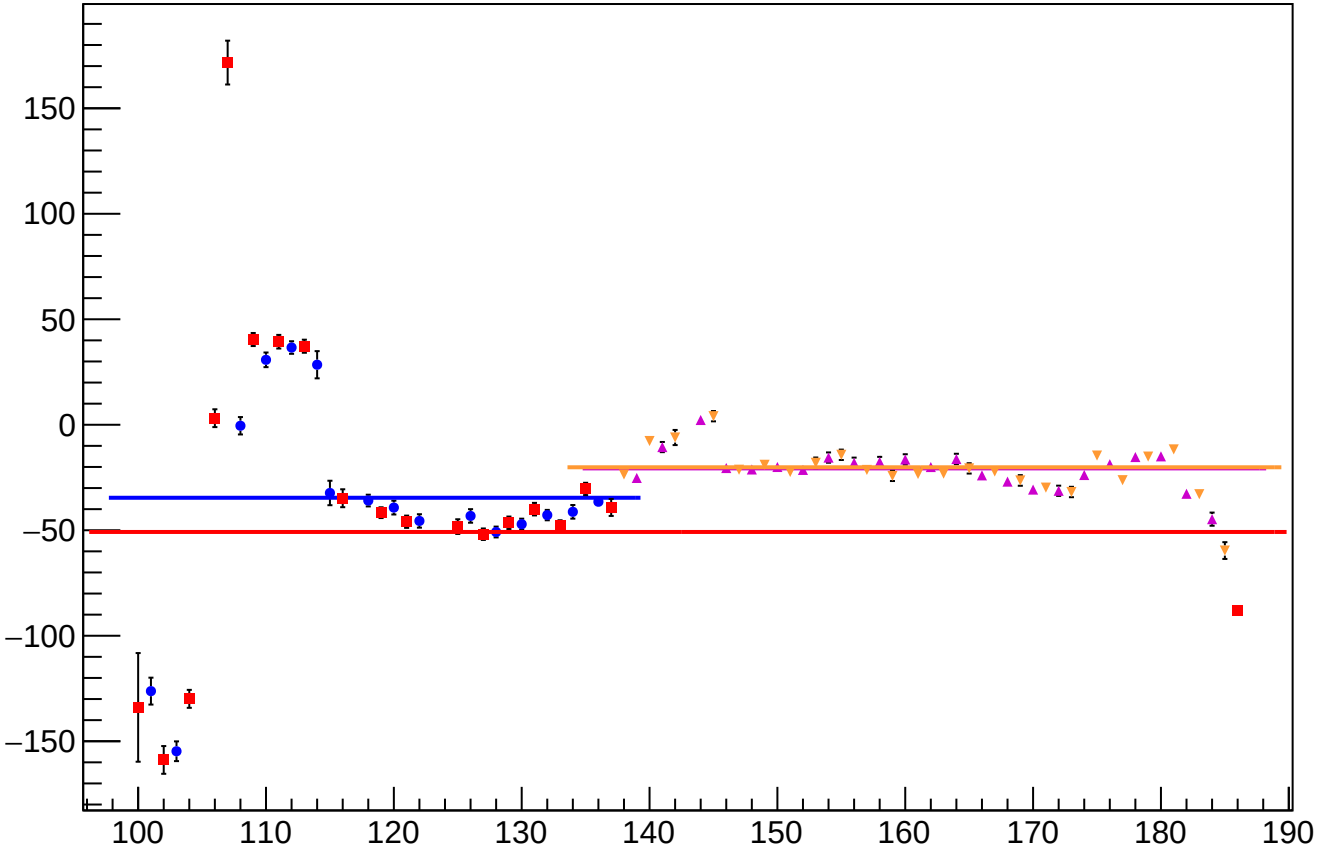
Right: -1.405+/-0.477 χ^2/NDF: 227.9/34

In: 0.678+/-0.318 χ^2/NDF:240.9/38

Out: 0.206+/-0.308 χ^2/NDF:225.7/42

All: 0.434+/-0.221 χ^2/NDF: 467.7/81

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -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

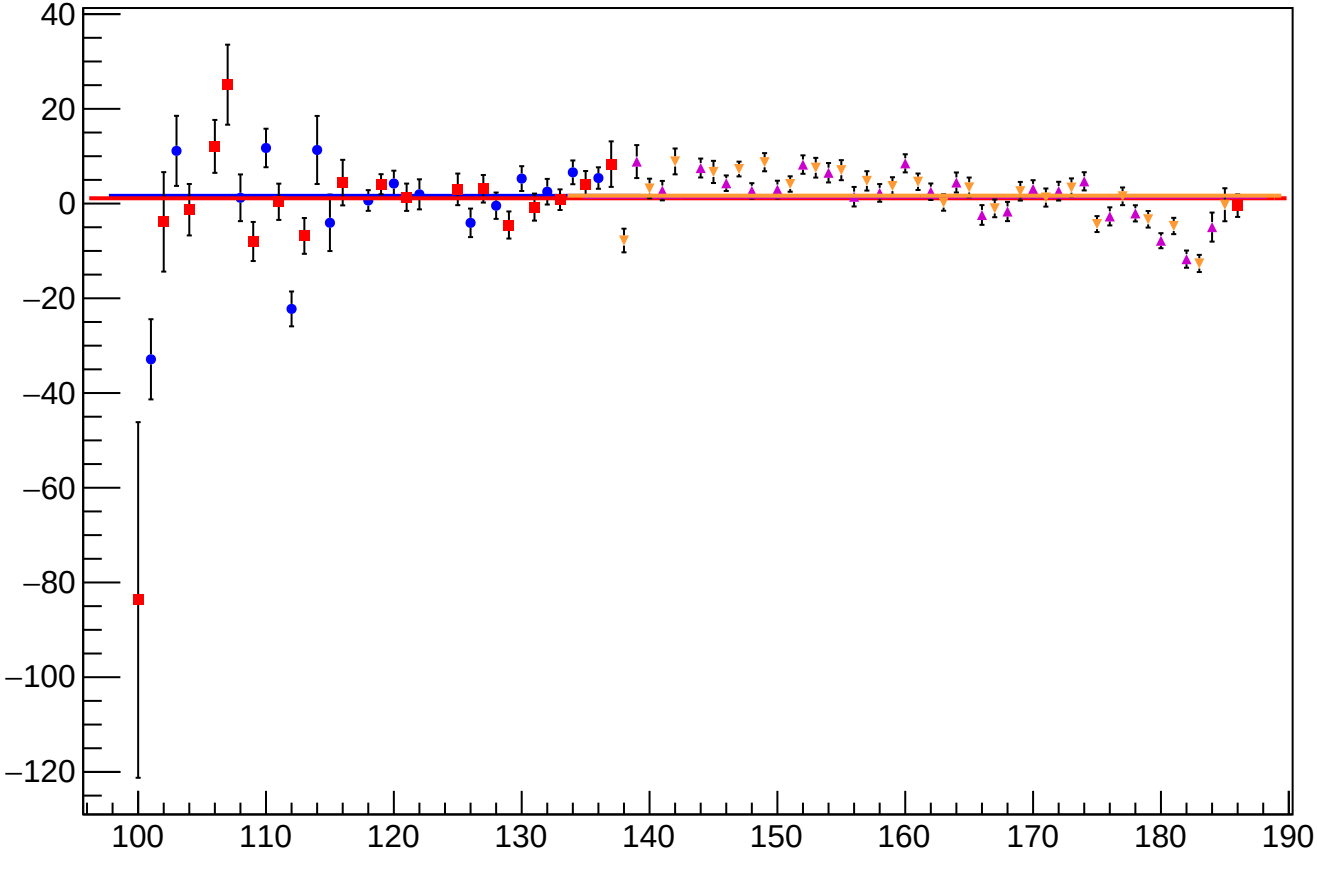
Right: -44.383+/-0.495 χ^2/NDF: 7380.6/34

In: -24.205+/-0.396 χ^2/NDF:2603.0/38

Out: -30.427+/-0.369 χ^2/NDF:7025.0/42

All: -27.532+/-0.270 χ^2/NDF: 9760.3/81

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

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

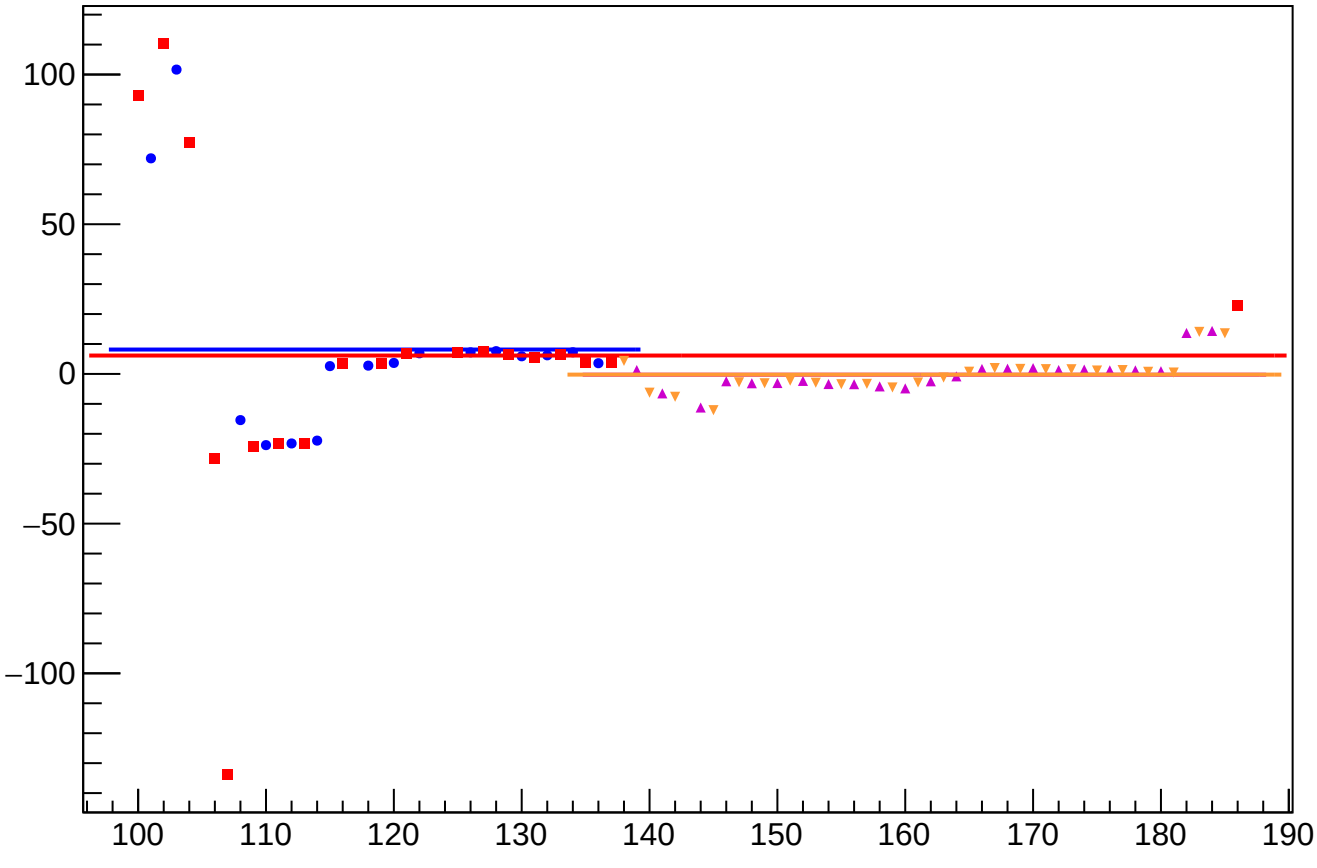
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.365+/-0.555 χ^2/NDF: 121.5/34

In: 1.469+/-0.359 χ^2/NDF:246.1/38

Out: 1.556+/-0.352 χ^2/NDF:216.4/42

All: 1.513+/-0.251 χ^2/NDF: 462.5/81



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

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

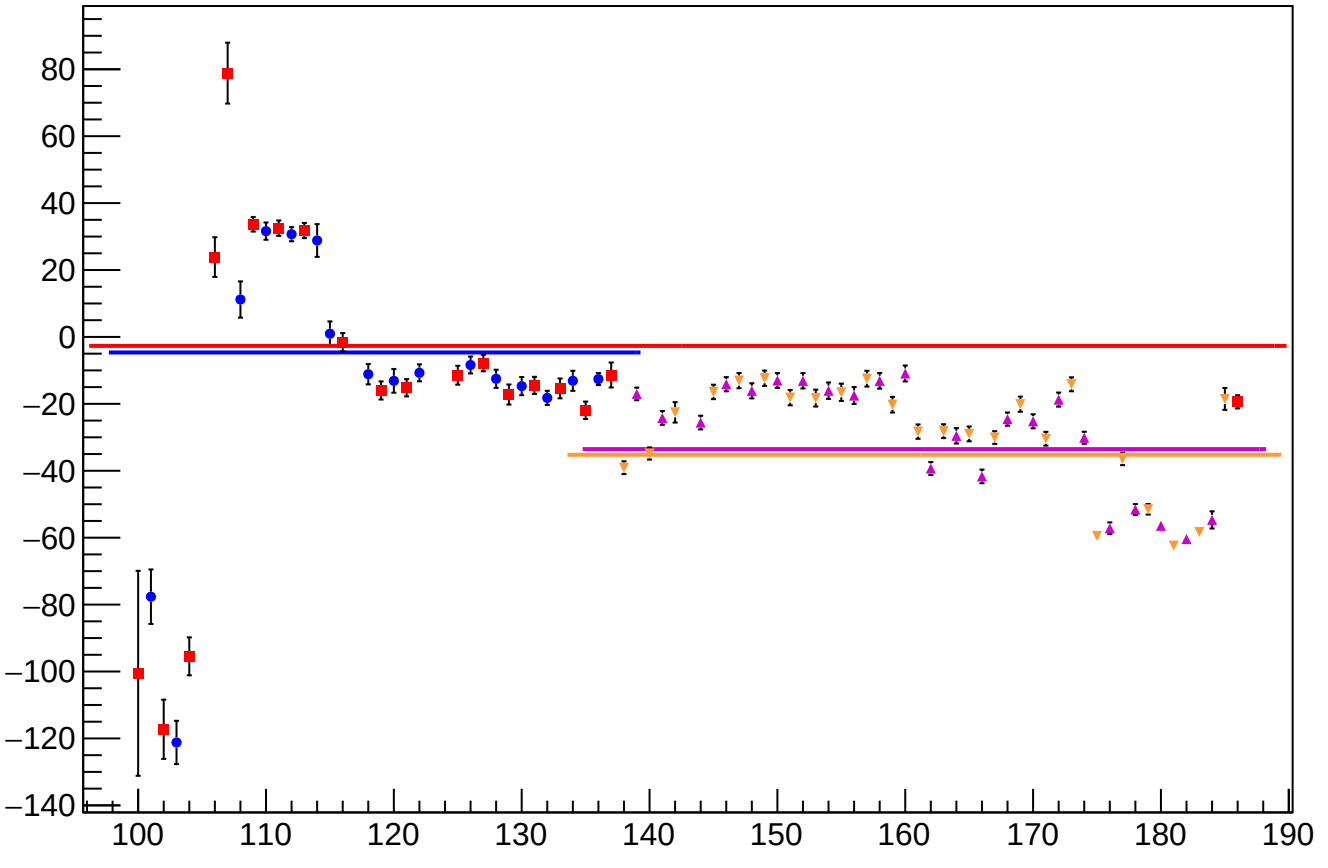
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 7.167+/-0.035 χ^2/NDF: 771162.6/34

In: 0.728+/-0.017 χ^2/NDF:412816.9/38

Out: 0.489+/-0.017 χ^2/NDF:552659.6/42

All: 0.608+/-0.012 χ^2/NDF: 965579.2/81



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

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

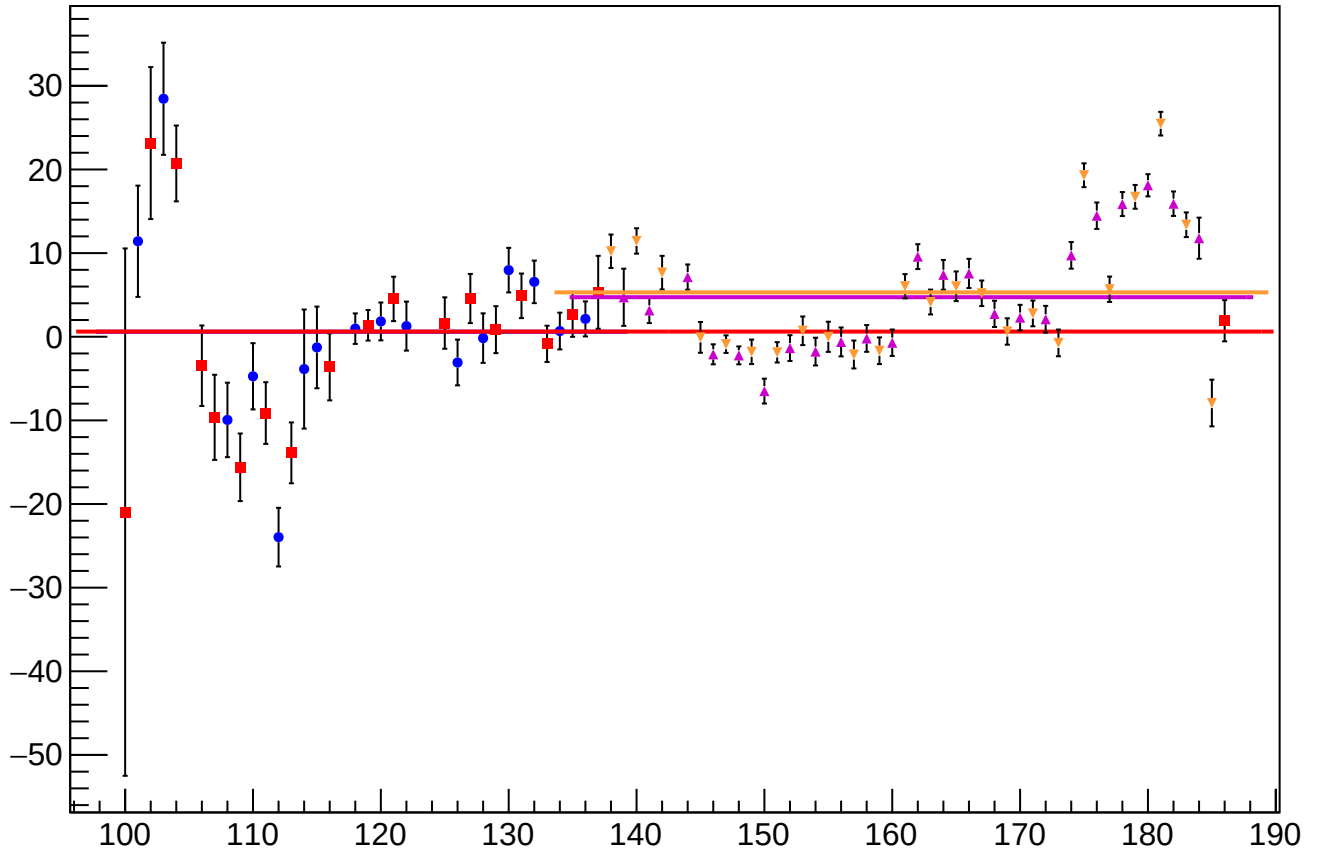
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -3.596+/-0.487 χ^2/NDF: 2589.2/34

In: -26.230+/-0.358 χ^2/NDF:4084.3/38

Out: -26.374+/-0.348 χ^2/NDF:5113.0/42

All: -26.304+/-0.250 χ^2/NDF: 9197.4/81



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

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

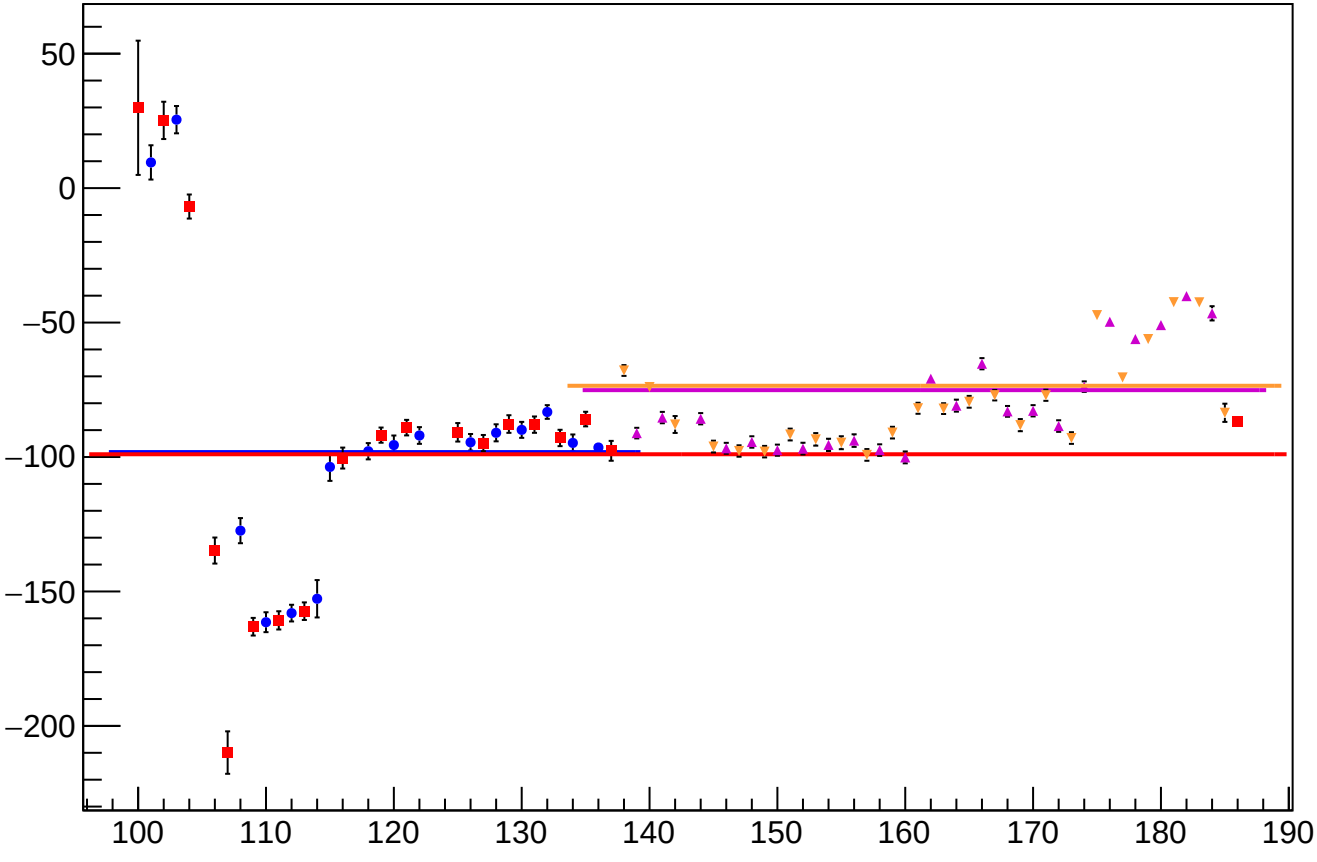
Right: 0.610+/-0.512 χ^2/NDF: 173.3/34

In: 4.053+/-0.294 χ^2/NDF:615.8/38

Out: 4.557+/-0.289 χ^2/NDF:740.3/42

All: 4.310+/-0.206 χ^2/NDF: 1357.6/81

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -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

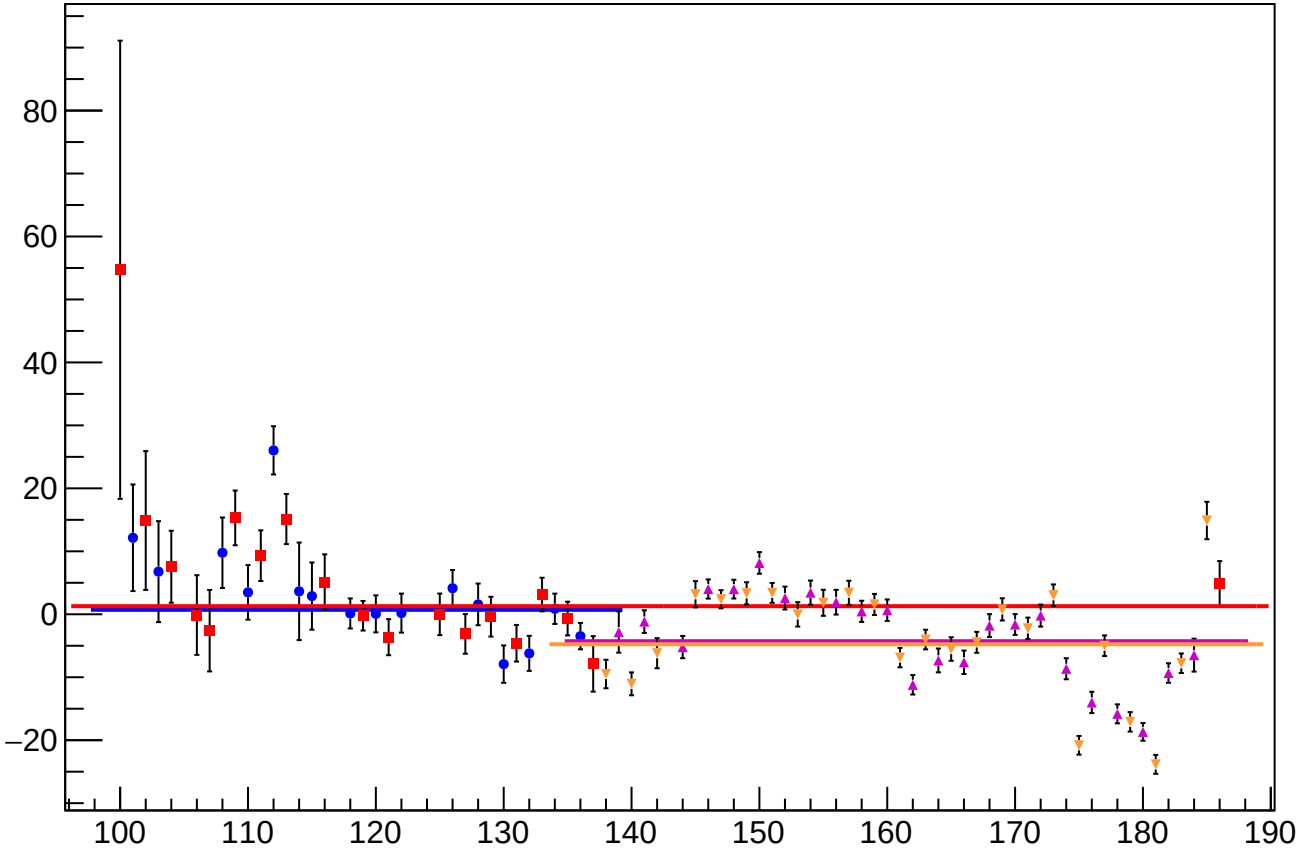
Right: -98.608+/-0.547 χ^2/NDF: 3892.4/34

In: -79.806+/-0.366 χ^2/NDF:4702.2/38

Out: -79.384+/-0.355 χ^2/NDF:5495.2/42

All: -79.589+/-0.255 χ^2/NDF: 10198.1/81

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -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

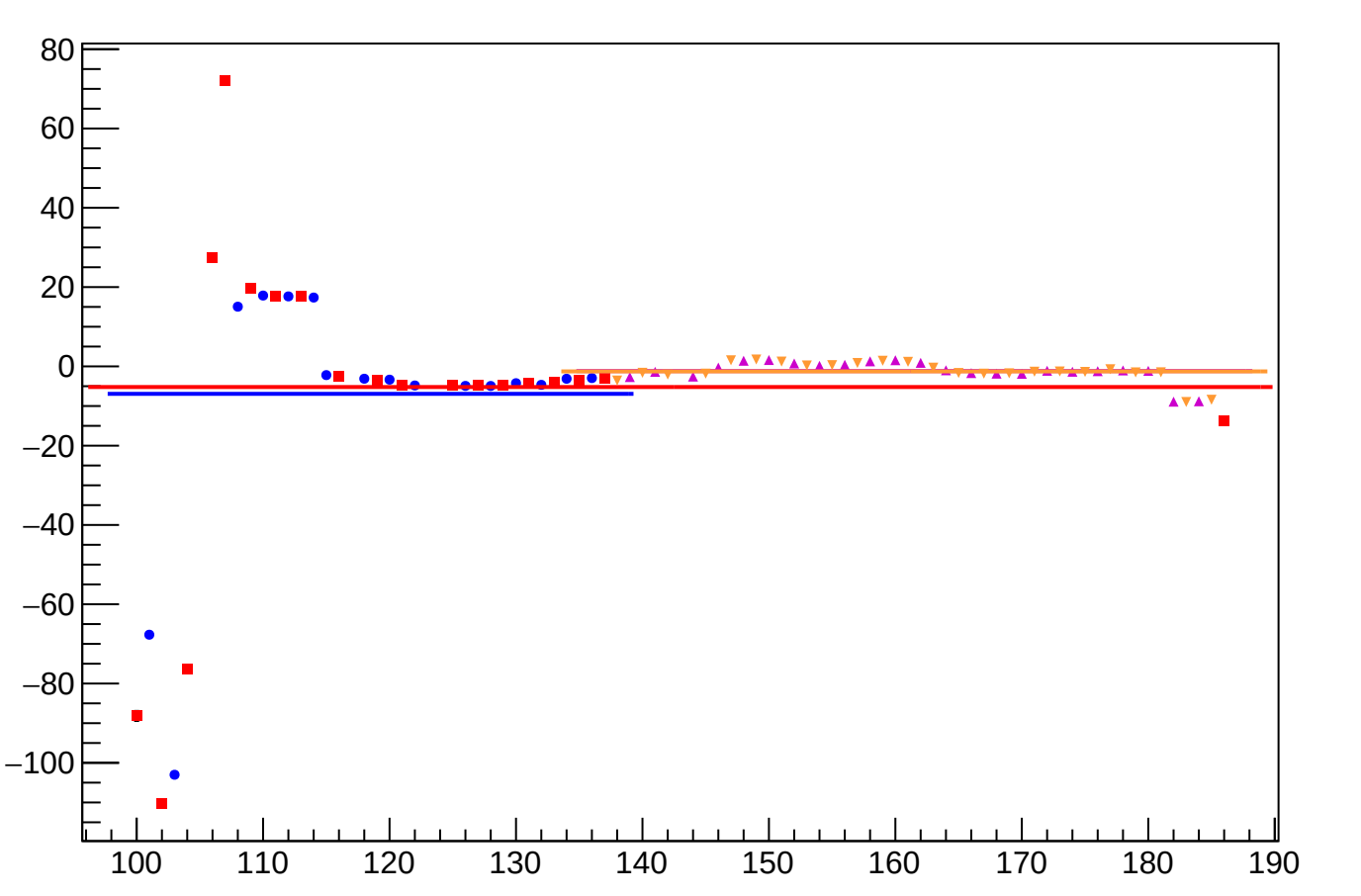
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 0.995+/-0.585 χ^2/NDF: 118.5/34

In: -3.471+/-0.330 χ^2/NDF:524.7/38

Out: -3.834+/-0.326 χ^2/NDF:670.2/42

All: -3.654+/-0.232 χ^2/NDF: 1195.5/81



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

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

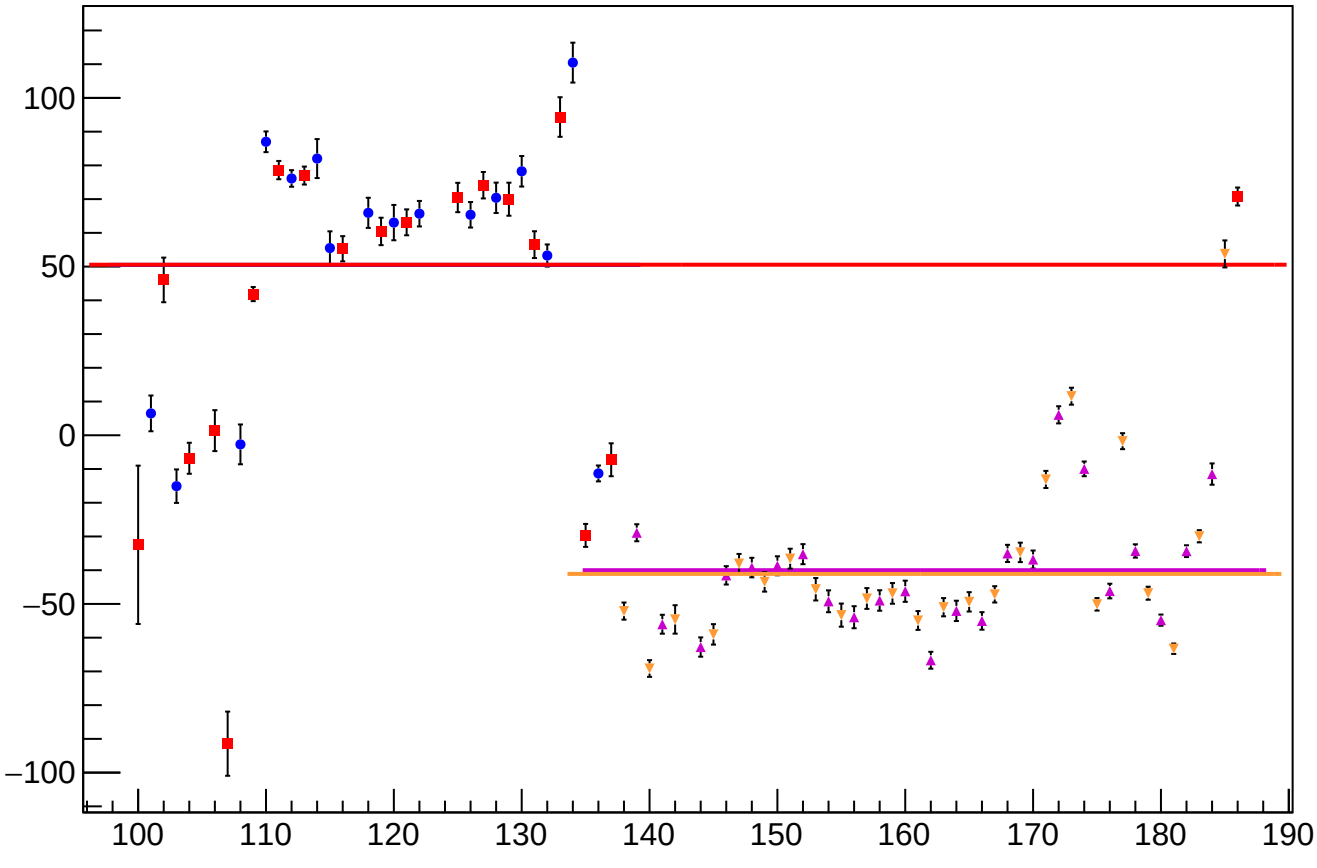
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -6.122+/-0.035 χ^2/NDF: 606350.1/34

In: -1.741+/-0.015 χ^2/NDF:302595.9/38

Out: -1.606+/-0.015 χ^2/NDF:370977.9/42

All: -1.674+/-0.011 χ^2/NDF: 673613.1/81



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

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

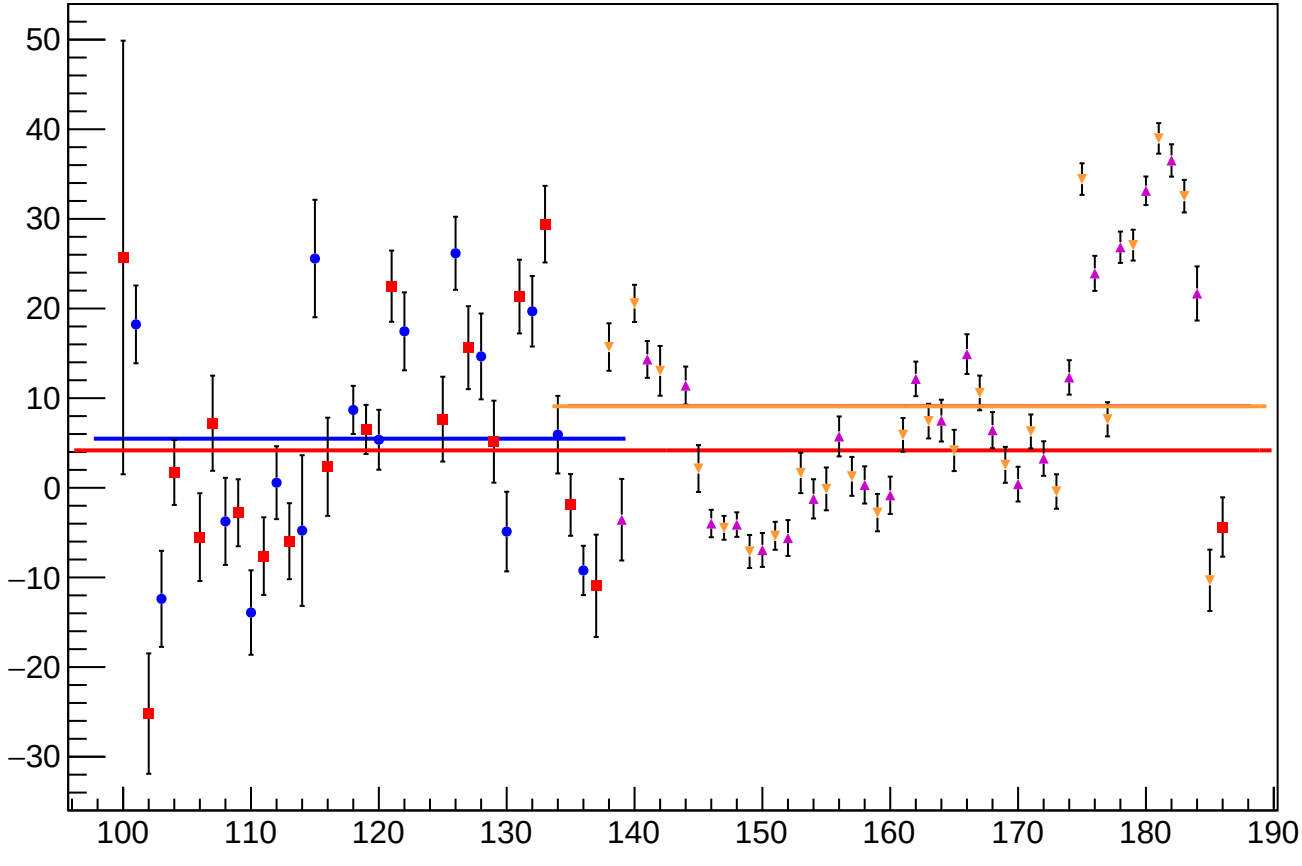
Right: 50.532+/-0.644 χ^2/NDF: 3087.6/34

In: -19.385+/-0.461 χ^2/NDF:9322.9/38

Out: -16.938+/-0.444 χ^2/NDF:11804.8/42

All: -18.116+/-0.320 χ^2/NDF: 21142.4/81

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 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

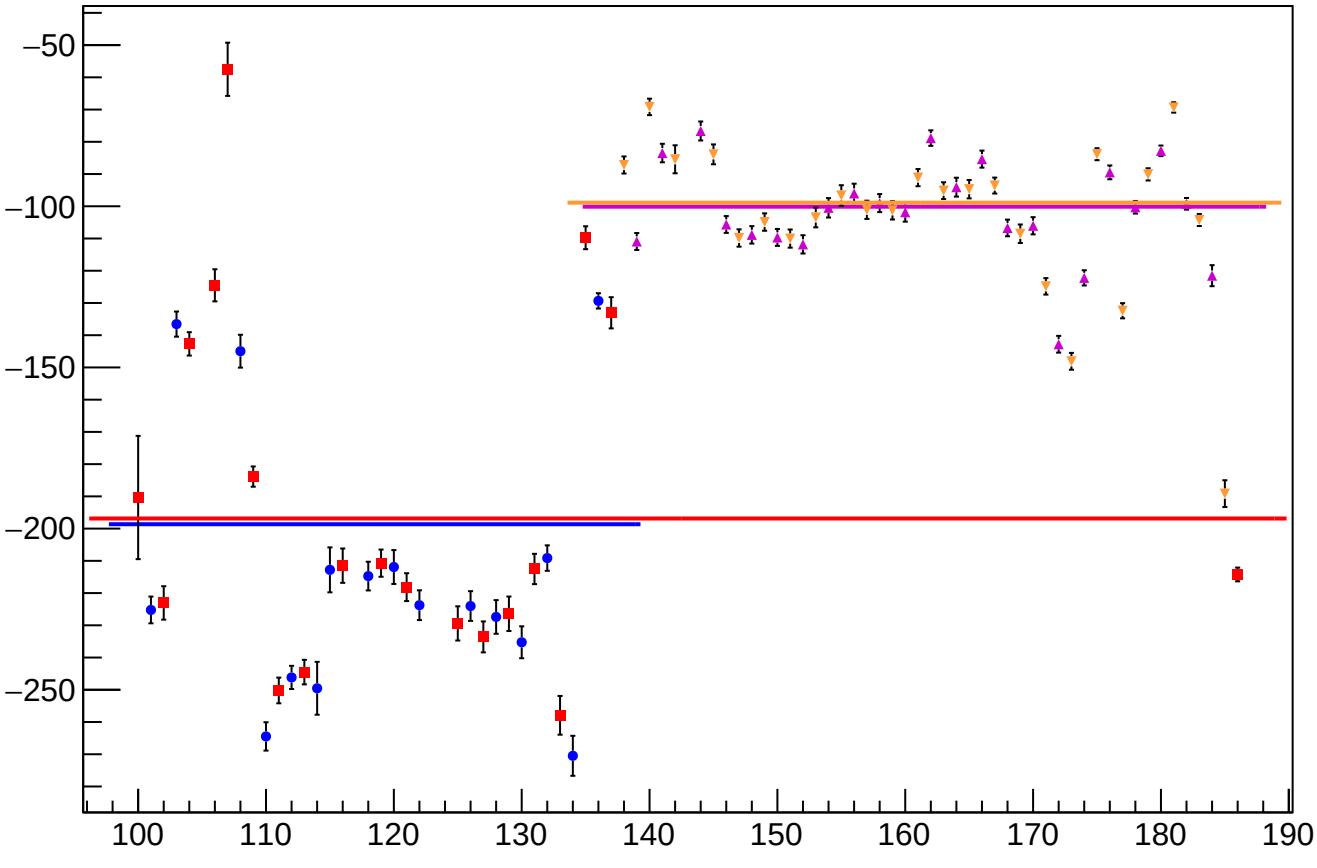
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

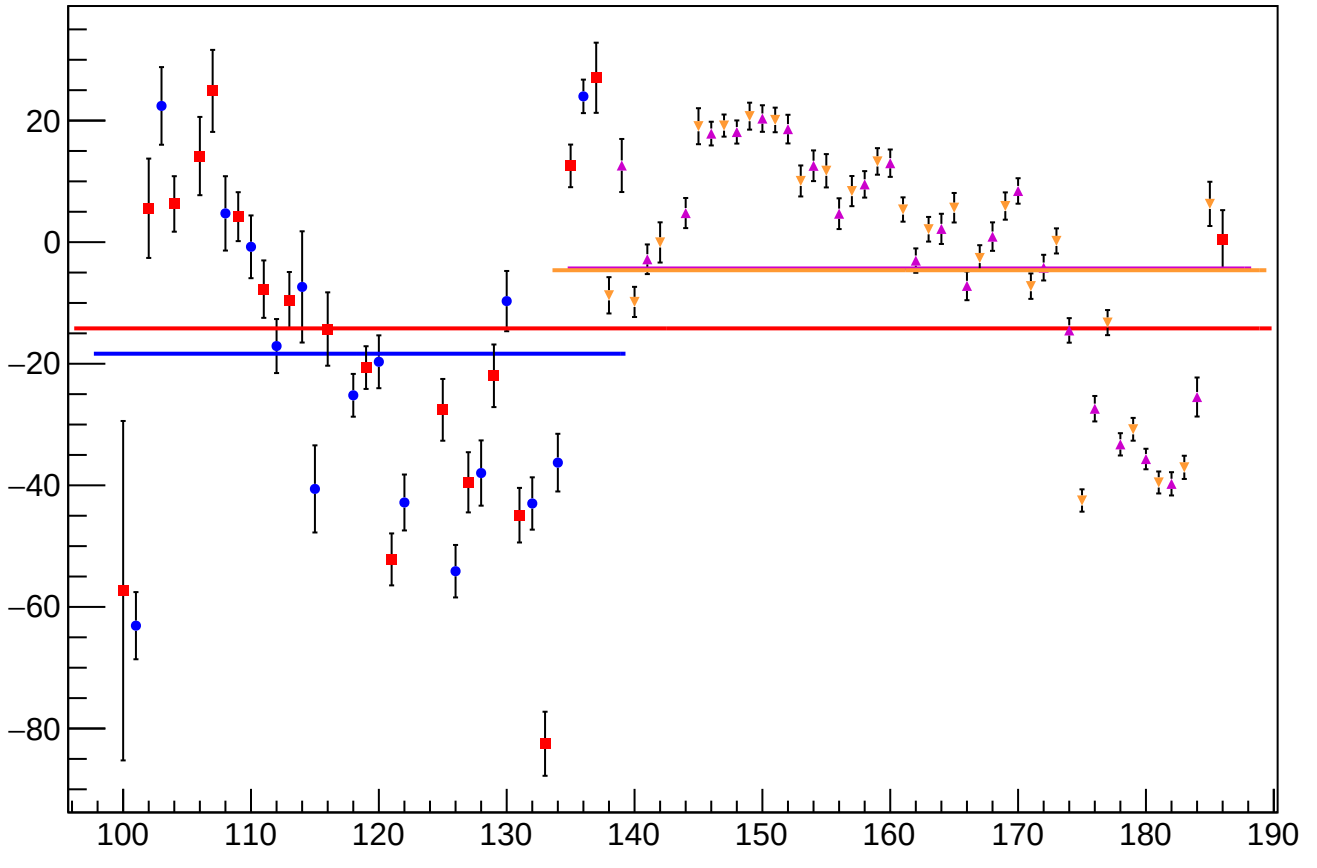
Right: 4.799+/-0.706 χ^2/NDF: 278.1/34

In: 8.618+/-0.380 χ^2/NDF:1200.9/38

Out: 8.384+/-0.371 χ^2/NDF:1414.5/42

All: 8.498+/-0.265 χ^2/NDF: 2615.6/81


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: -198.641+/-1.083 χ²/NDF: 2002.3/15
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: -197.649+/-0.720 χ²/NDF: 4225.8/34
In: -118.577+/-0.469 χ²/NDF:9545.4/38
Out: -120.597+/-0.454 χ²/NDF:12095.1/42
All: -119.621+/-0.326 χ²/NDF: 21650.1/81



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

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

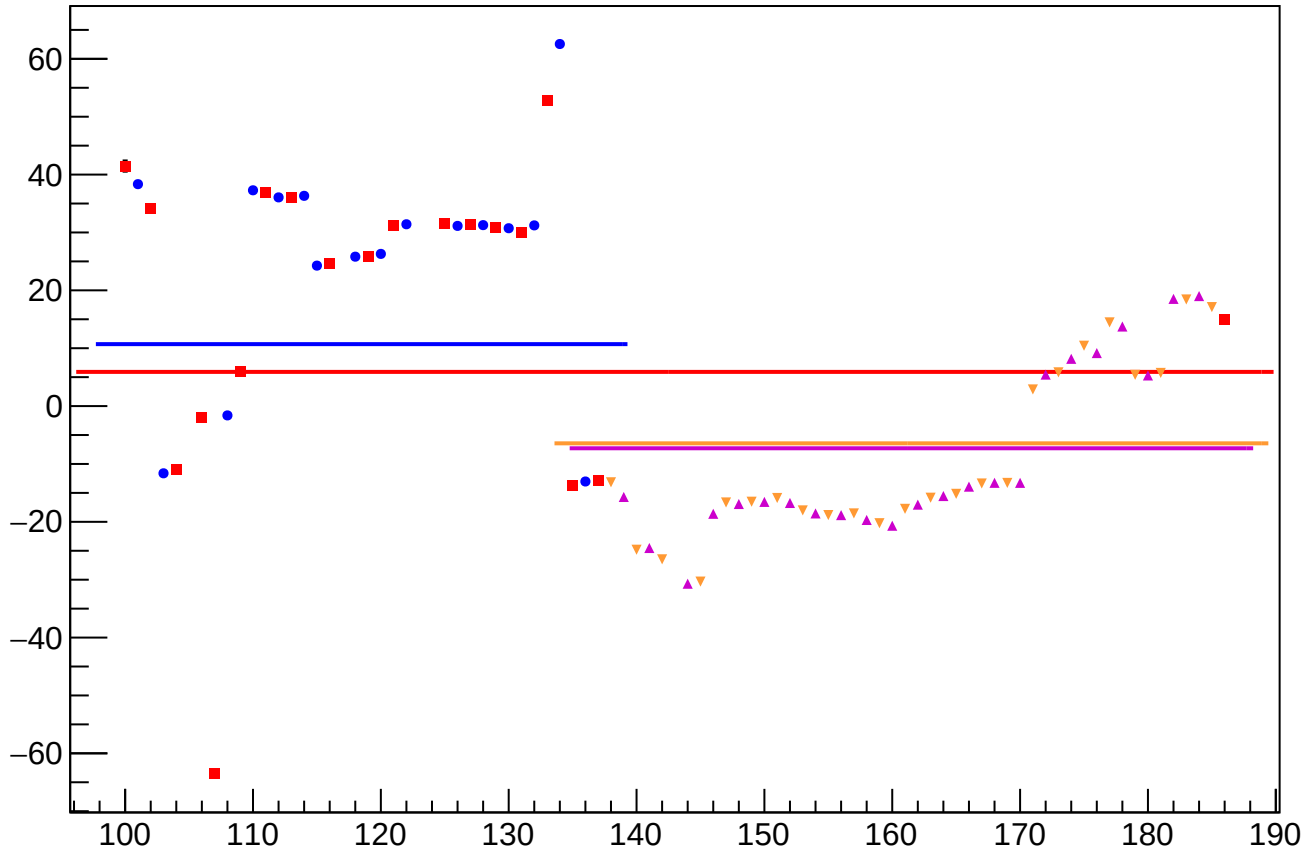
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -16.212+/-0.809 χ^2/NDF: 1106.6/34

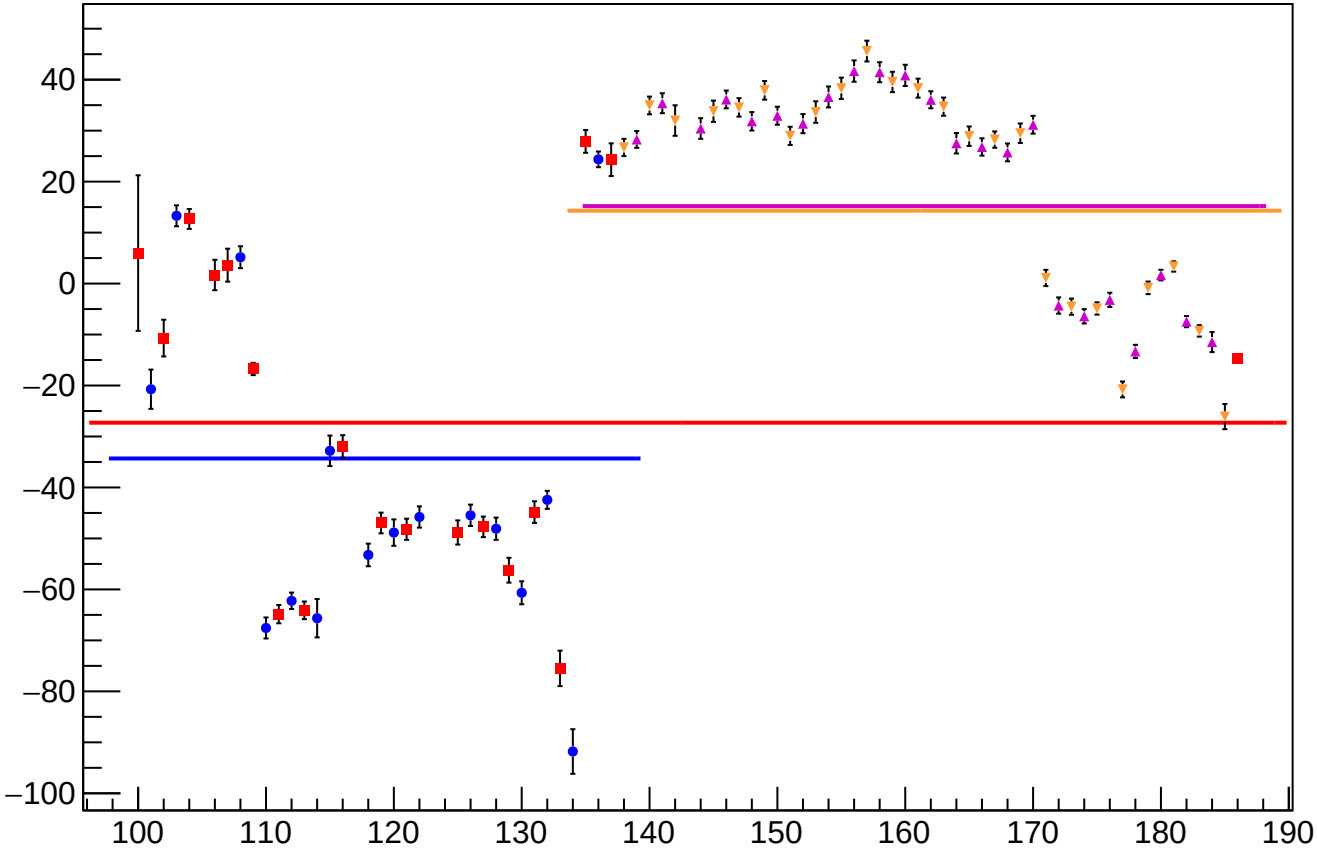
In: -6.226+/-0.427 χ^2/NDF:2524.5/38

Out: -5.934+/-0.419 χ^2/NDF:2696.1/42

All: -6.078+/-0.299 χ^2/NDF: 5220.9/81


reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 10.704+/-0.063 χ²/NDF: 164860.8/15
Left Out: -6.437+/-0.020 χ²/NDF:496714.6/23
Right Out: 5.908+/-0.063 χ²/NDF: 155689.8/18
Left In: -7.292+/-0.020 χ²/NDF:488261.5/22
Left: -6.862+/-0.014 χ²/NDF: 985866.7/46
Right: 8.292+/-0.044 χ²/NDF: 323473.5/34
In: -5.594+/-0.019 χ²/NDF:727247.6/38
Out: -5.272+/-0.019 χ²/NDF:687687.1/42
All: -5.432+/-0.014 χ²/NDF: 1415074.8/81

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 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

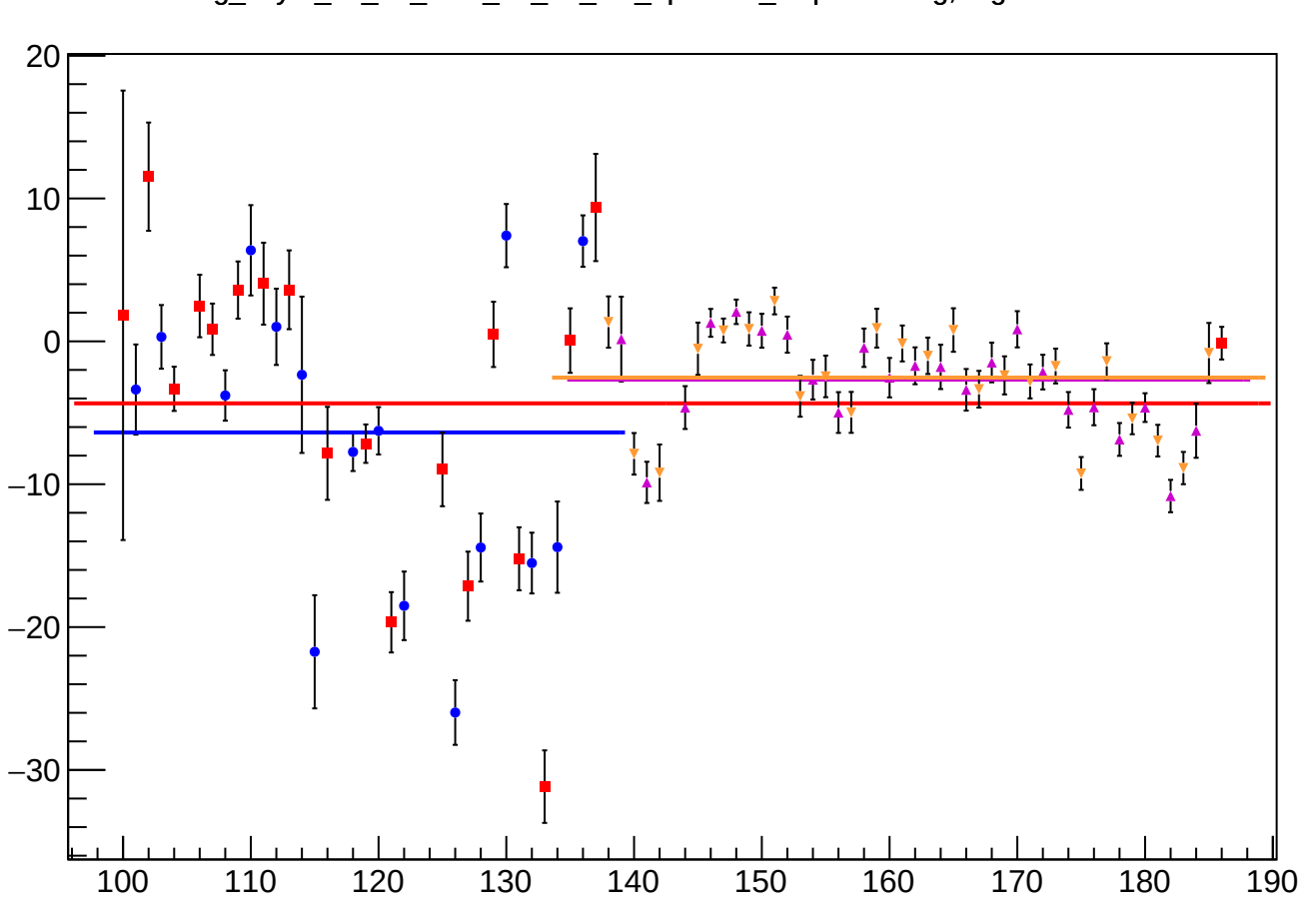
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -30.127+/-0.348 χ^2/NDF: 7038.0/34

In: 1.459+/-0.289 χ^2/NDF:12809.5/38

Out: -0.521+/-0.269 χ^2/NDF:12649.9/42

All: 0.400+/-0.197 χ^2/NDF: 25484.6/81



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

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

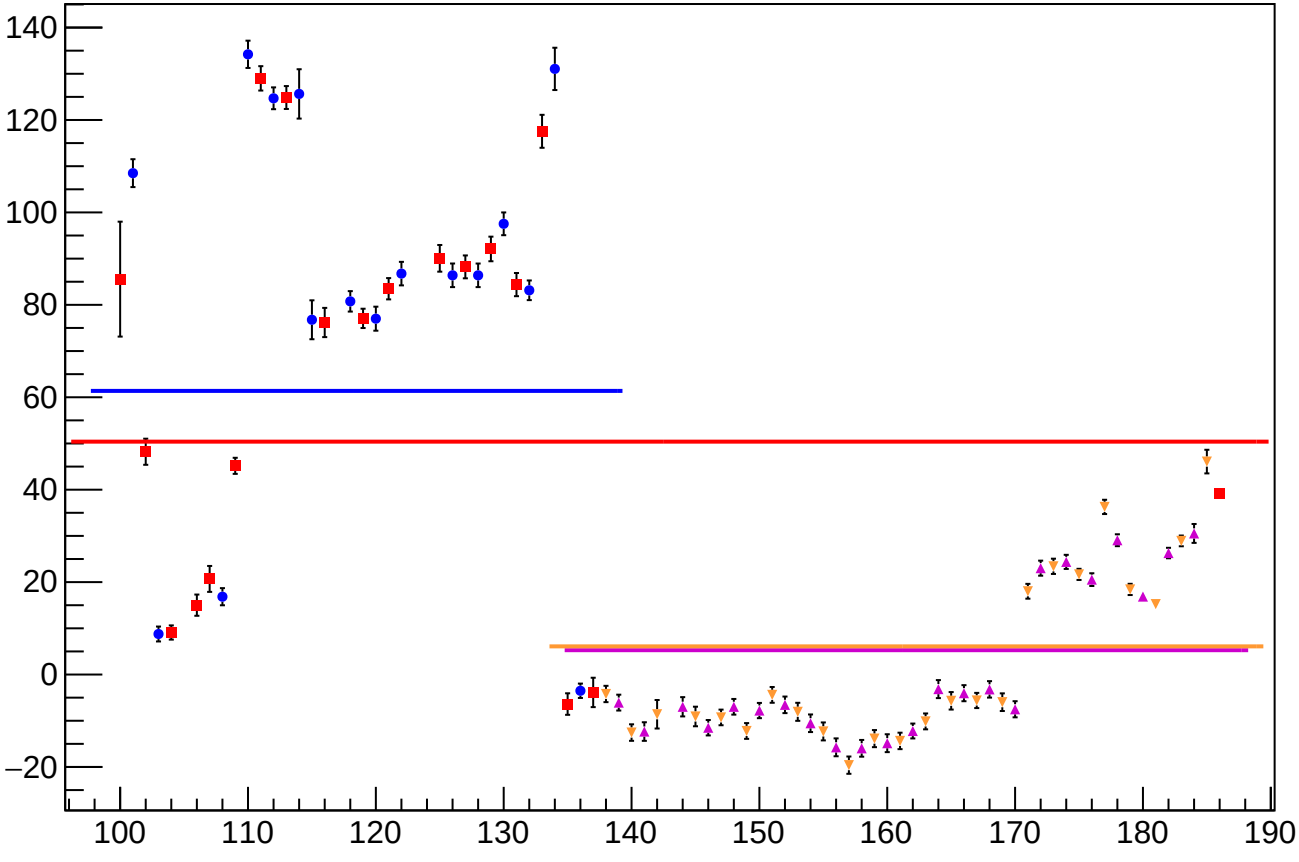
Right: -5.219+/-0.364 χ^2/NDF: 620.7/34

In: -3.369+/-0.239 χ^2/NDF:501.9/38

Out: -2.941+/-0.228 χ^2/NDF:538.7/42

All: -3.145+/-0.165 χ^2/NDF: 1042.3/81

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: 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

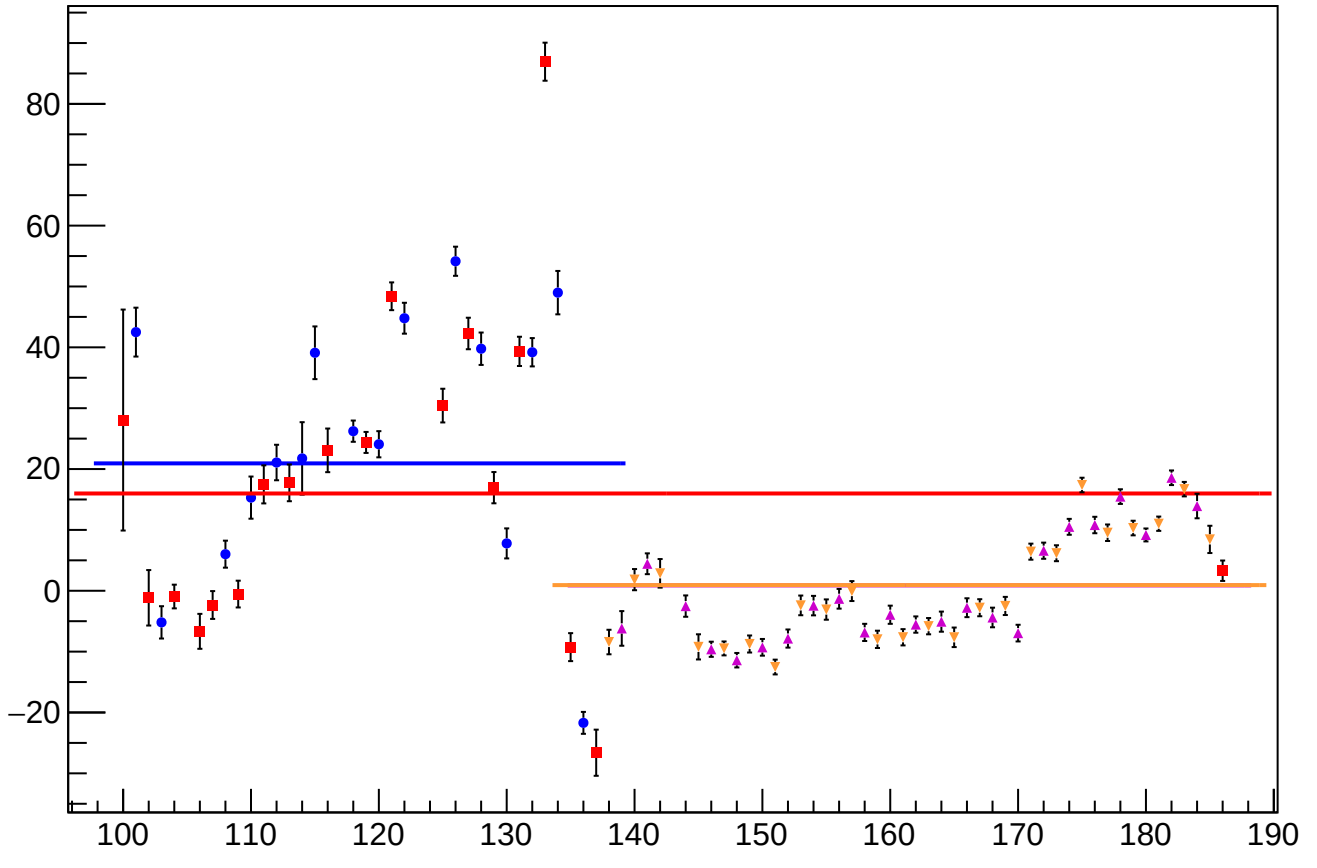
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 54.474+/-0.362 χ^2/NDF: 11914.5/34

In: 18.892+/-0.293 χ^2/NDF:15267.0/38

Out: 21.464+/-0.269 χ^2/NDF:14552.2/42

All: 20.287+/-0.198 χ^2/NDF: 29861.0/81



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

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

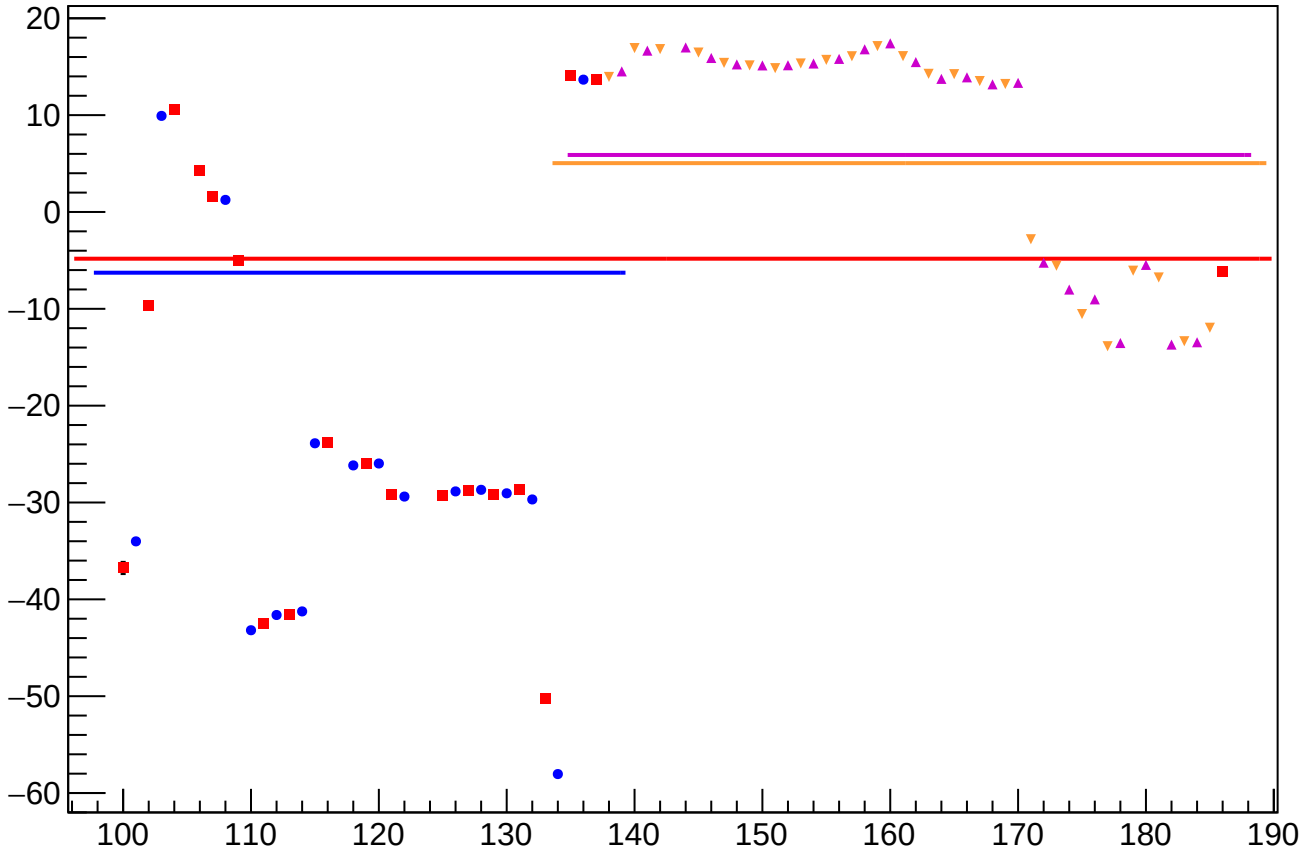
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 18.215+/-0.430 χ^2/NDF: 2825.3/34

In: 4.435+/-0.270 χ^2/NDF:3058.7/38

Out: 3.970+/-0.261 χ^2/NDF:3126.5/42

All: 4.195+/-0.187 χ^2/NDF: 6186.7/81



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

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

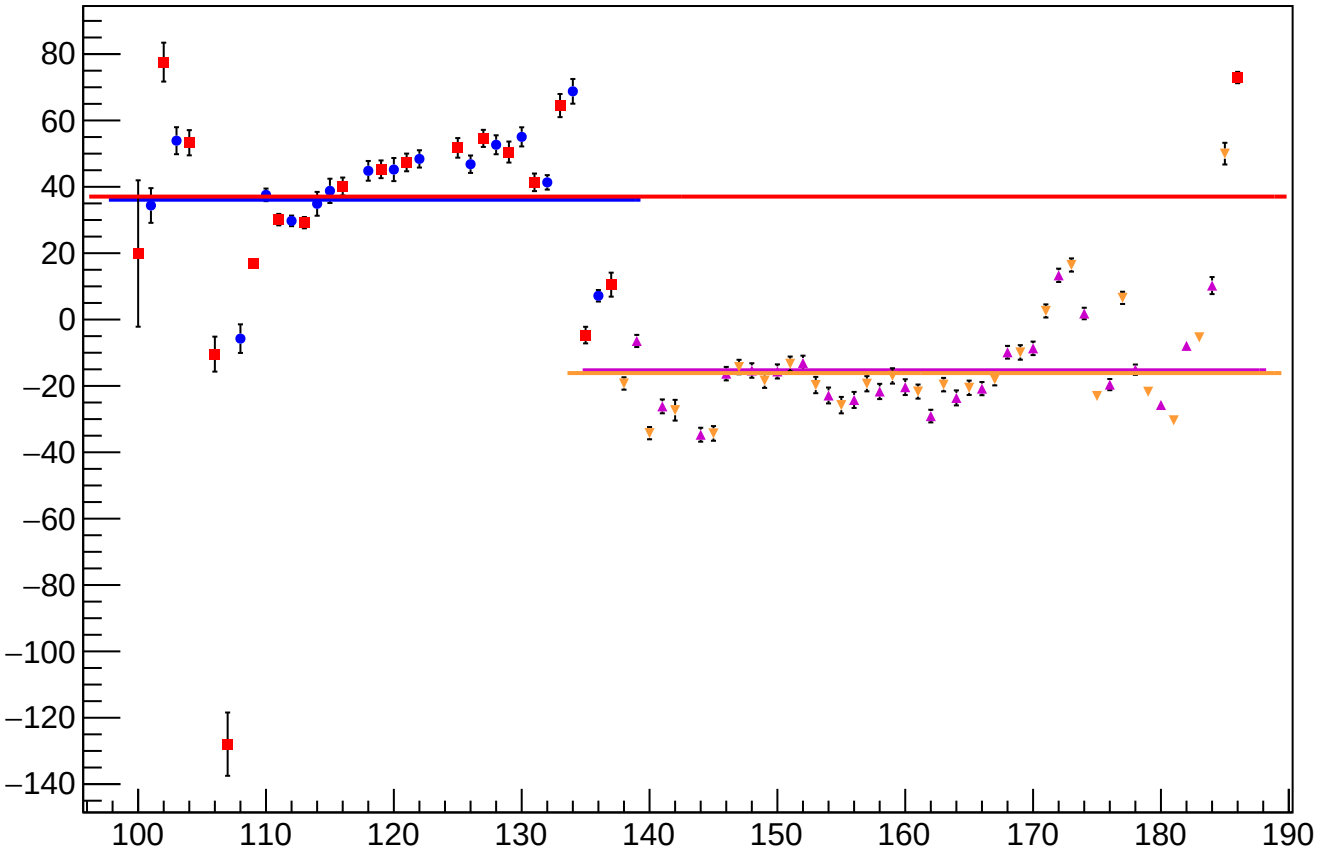
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -5.527+/-0.023 χ^2/NDF: 718222.0/34

In: 4.257+/-0.012 χ^2/NDF:1371434.9/38

Out: 3.665+/-0.012 χ^2/NDF:1241998.4/42

All: 3.958+/-0.009 χ^2/NDF: 2614613.0/81



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

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

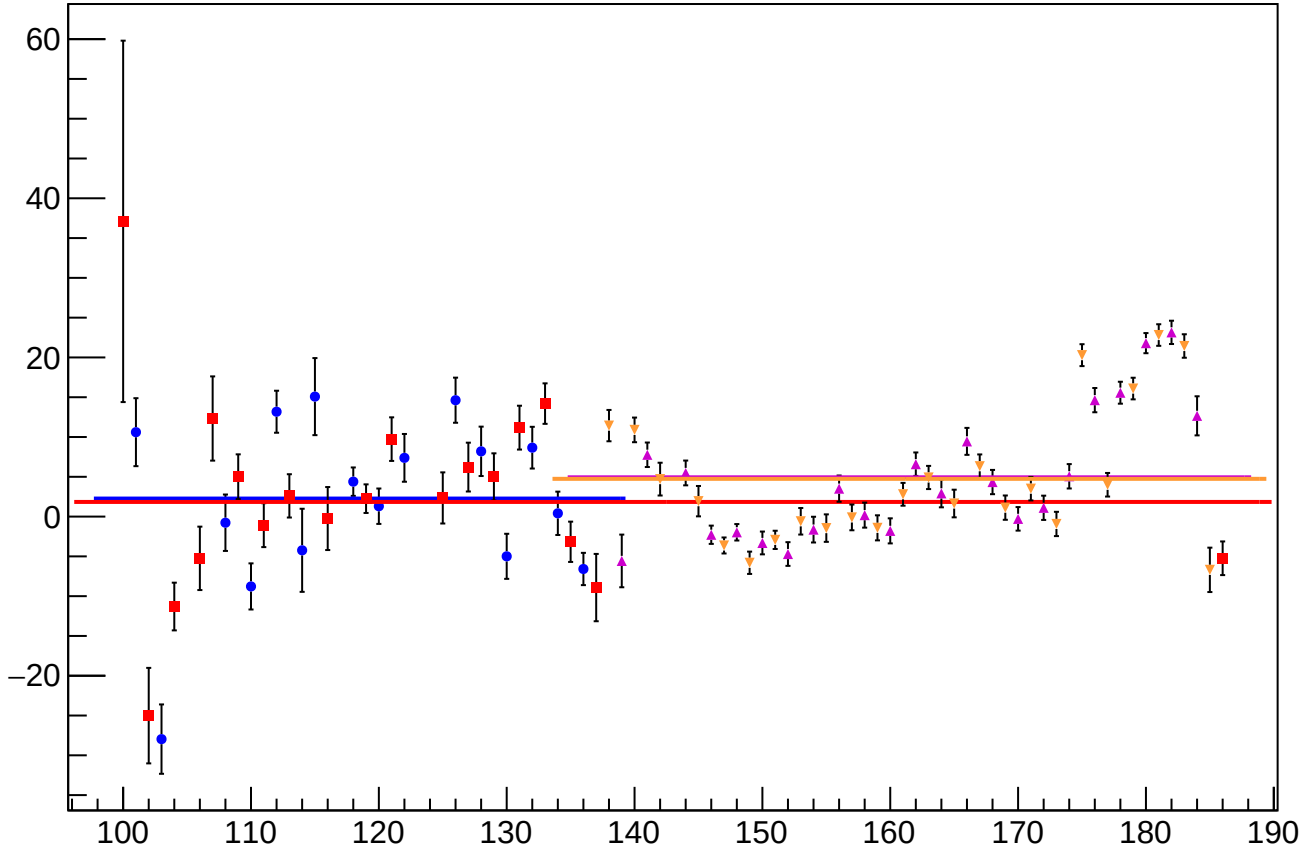
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 36.634+/-0.439 χ^2/NDF: 2241.4/34

In: -1.211+/-0.344 χ^2/NDF:5837.7/38

Out: 0.438+/-0.330 χ^2/NDF:8548.6/42

All: -0.354+/-0.238 χ^2/NDF: 14398.3/81



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

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

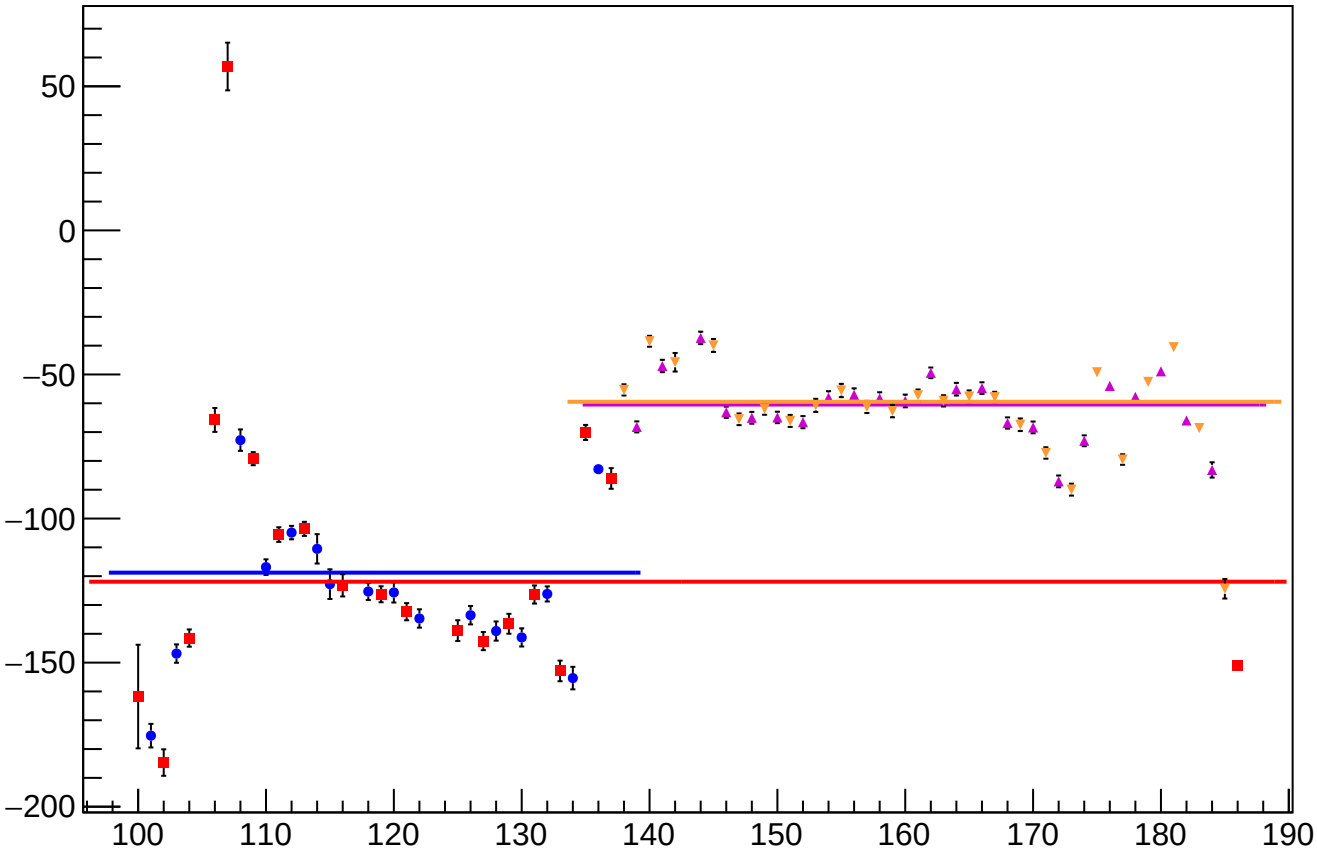
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: 2.046+/-0.487 χ^2/NDF: 271.9/34

In: 4.492+/-0.286 χ^2/NDF:852.5/38

Out: 4.252+/-0.279 χ^2/NDF:928.7/42

All: 4.369+/-0.200 χ^2/NDF: 1781.5/81



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

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

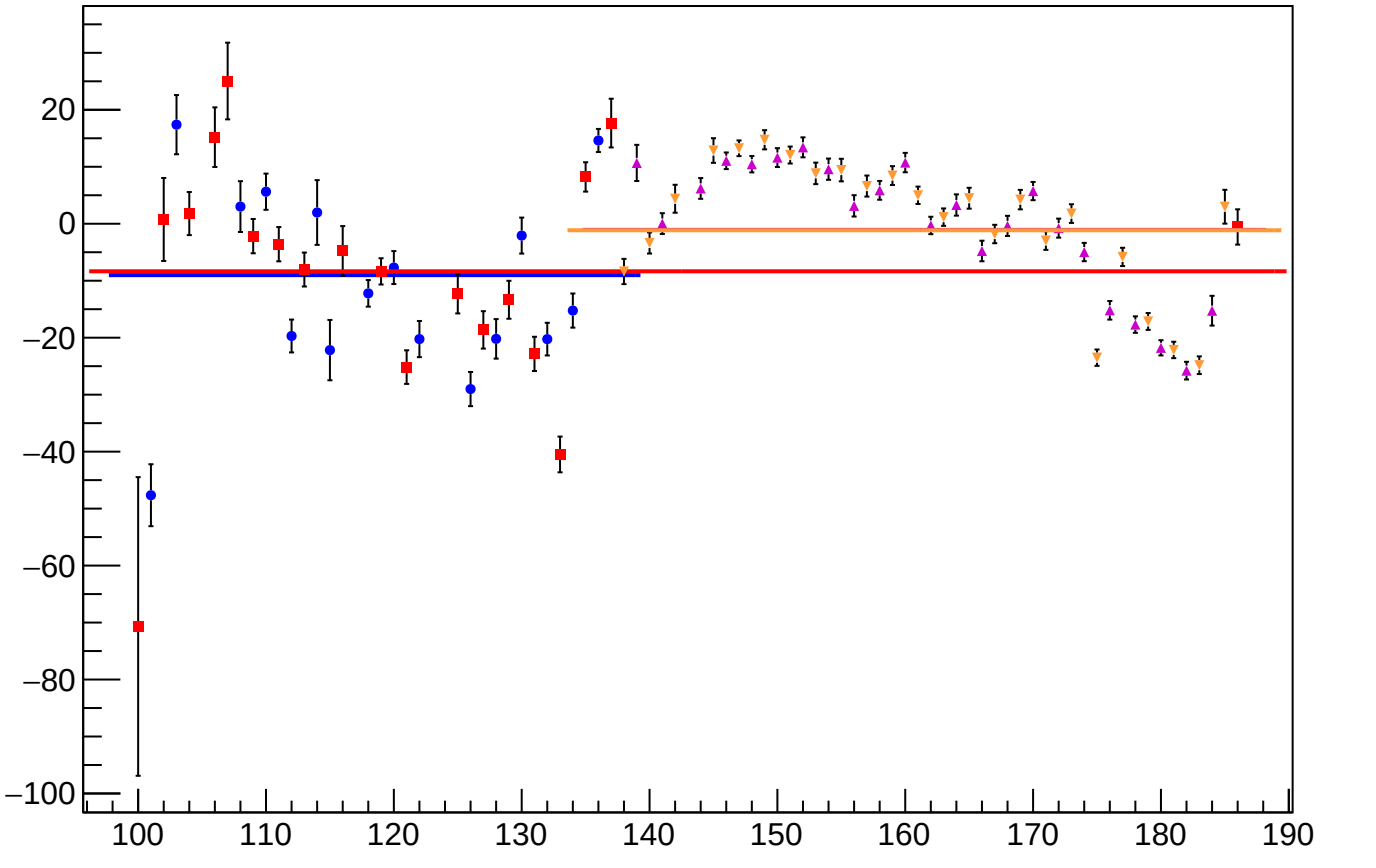
Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

Right: -120.553+/-0.500 χ^2/NDF: 3586.7/34

In: -73.149+/-0.353 χ^2/NDF:6435.4/38

Out: -75.765+/-0.340 χ^2/NDF:10349.3/42

All: -74.509+/-0.245 χ^2/NDF: 16813.2/81



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

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

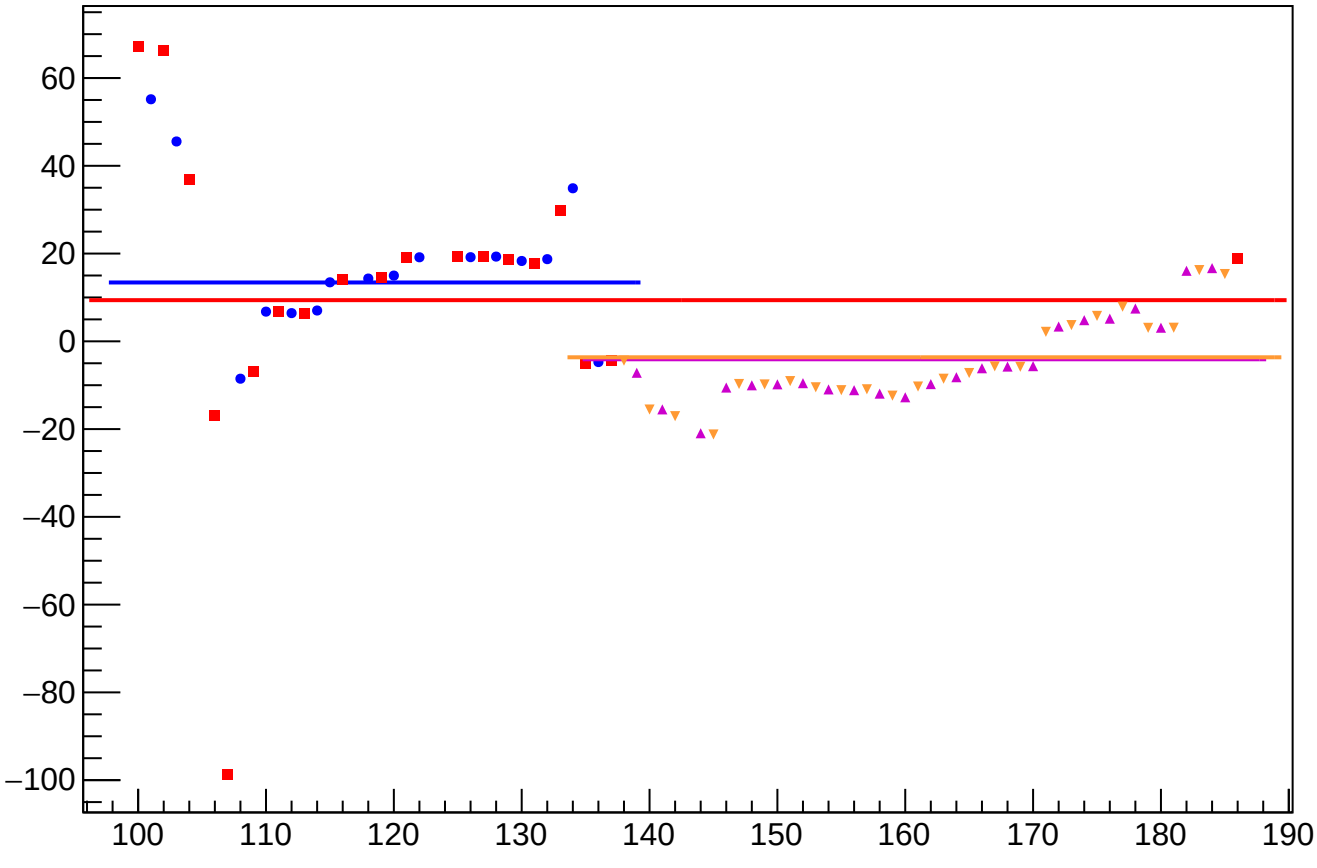
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -8.679+/-0.558 χ^2/NDF: 683.8/34

In: -2.380+/-0.322 χ^2/NDF:1598.7/38

Out: -2.316+/-0.316 χ^2/NDF:1699.1/42

All: -2.347+/-0.226 χ^2/NDF: 3297.8/81



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

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

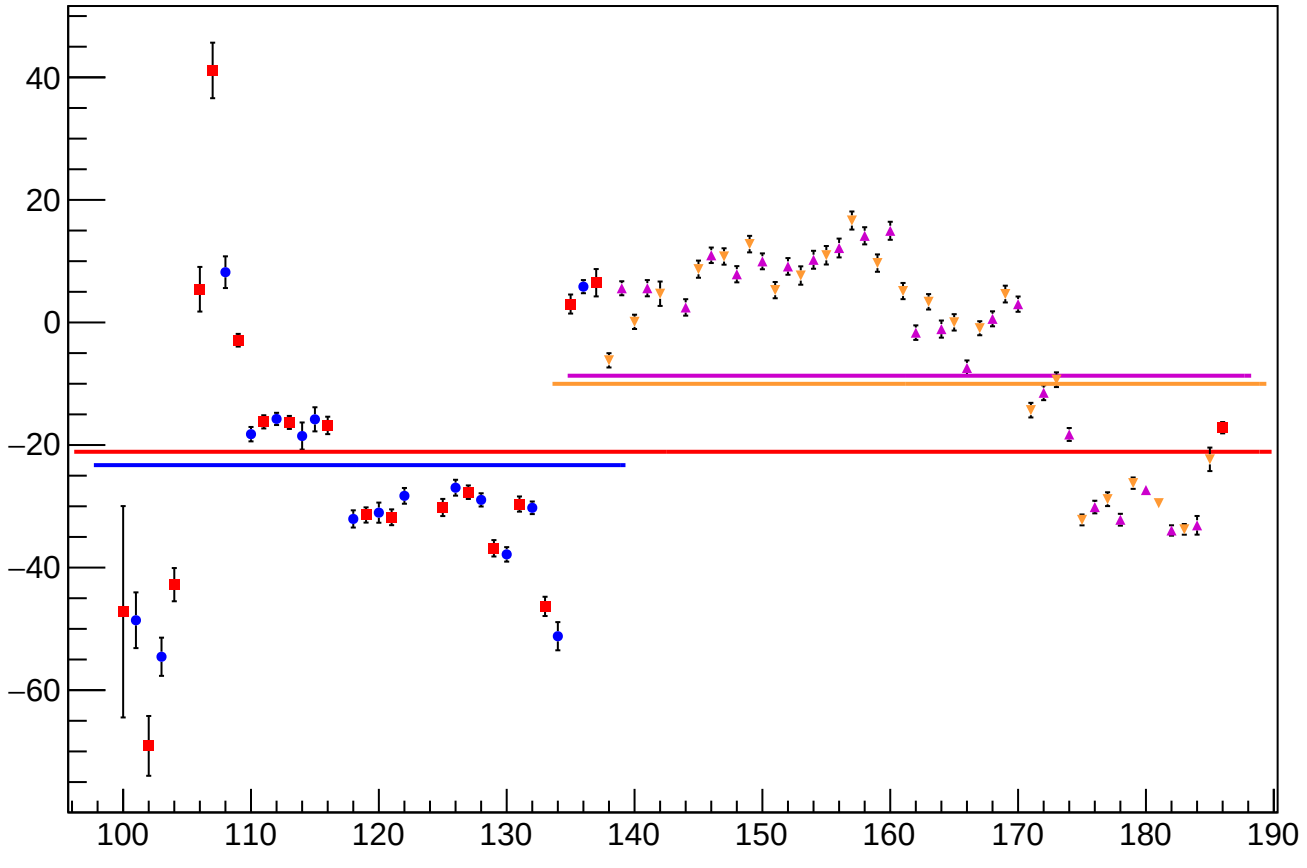
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 11.443+/-0.032 χ^2/NDF: 480625.0/34

In: -2.249+/-0.015 χ^2/NDF:650676.8/38

Out: -2.336+/-0.015 χ^2/NDF:709967.8/42

All: -2.292+/-0.010 χ^2/NDF: 1360662.2/81



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

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

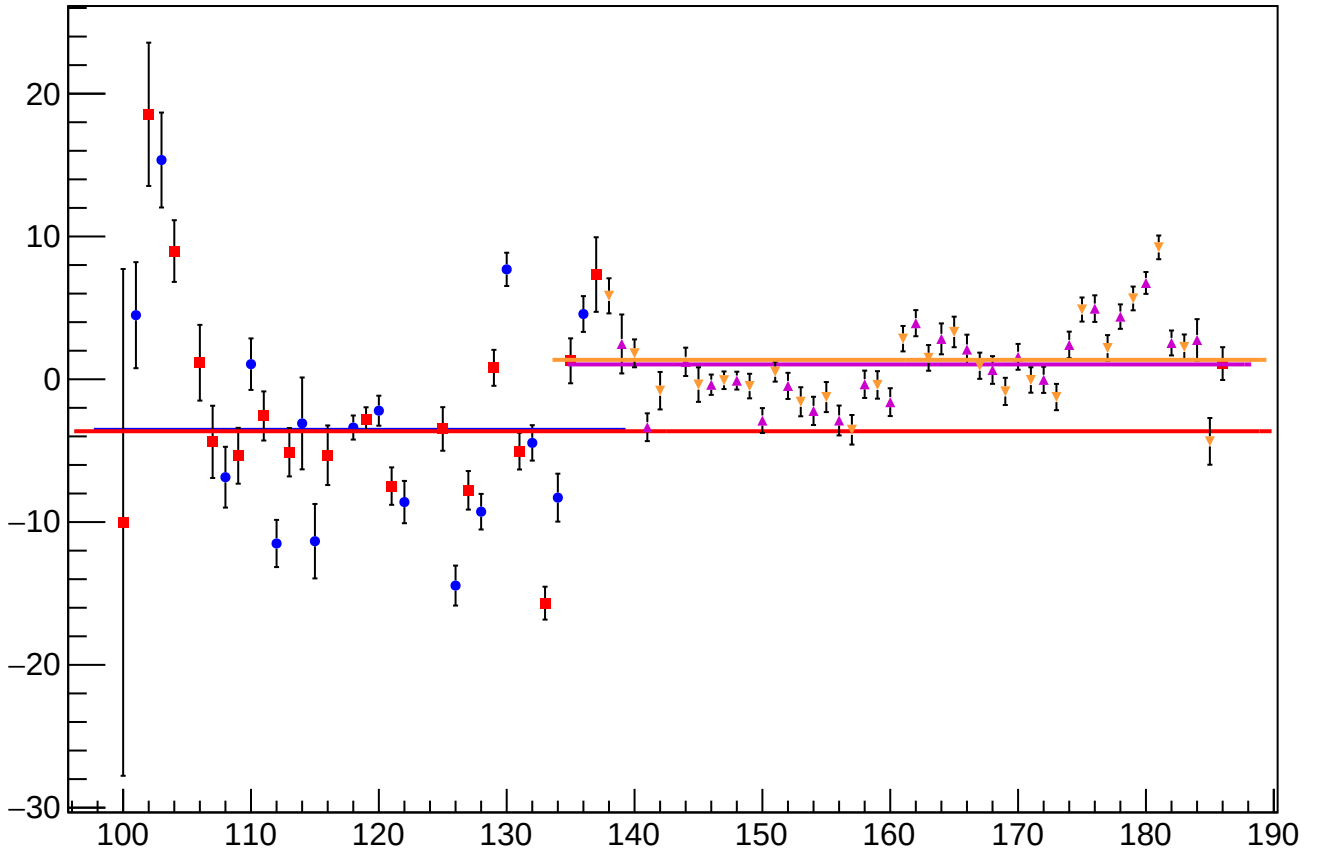
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.109+/-0.238 χ^2/NDF: 3423.1/34

In: -13.550+/-0.202 χ^2/NDF:7746.0/38

Out: -14.017+/-0.195 χ^2/NDF:7555.6/42

All: -13.792+/-0.140 χ^2/NDF: 15304.3/81



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

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

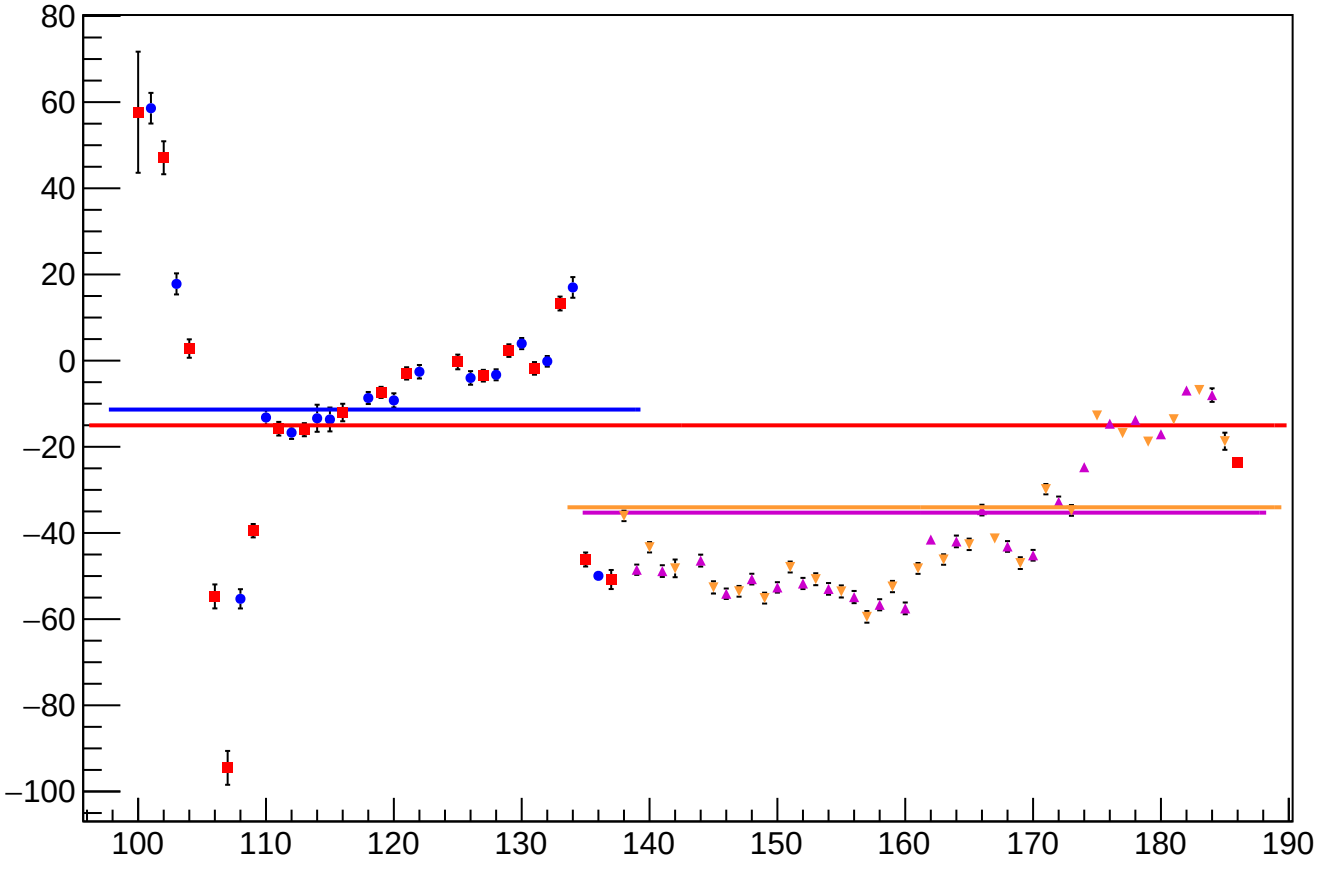
Right: -3.591+/-0.253 χ^2/NDF: 563.0/34

In: 0.034+/-0.170 χ^2/NDF:637.4/38

Out: 0.252+/-0.166 χ^2/NDF:642.9/42

All: 0.146+/-0.119 χ^2/NDF: 1281.1/81

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -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

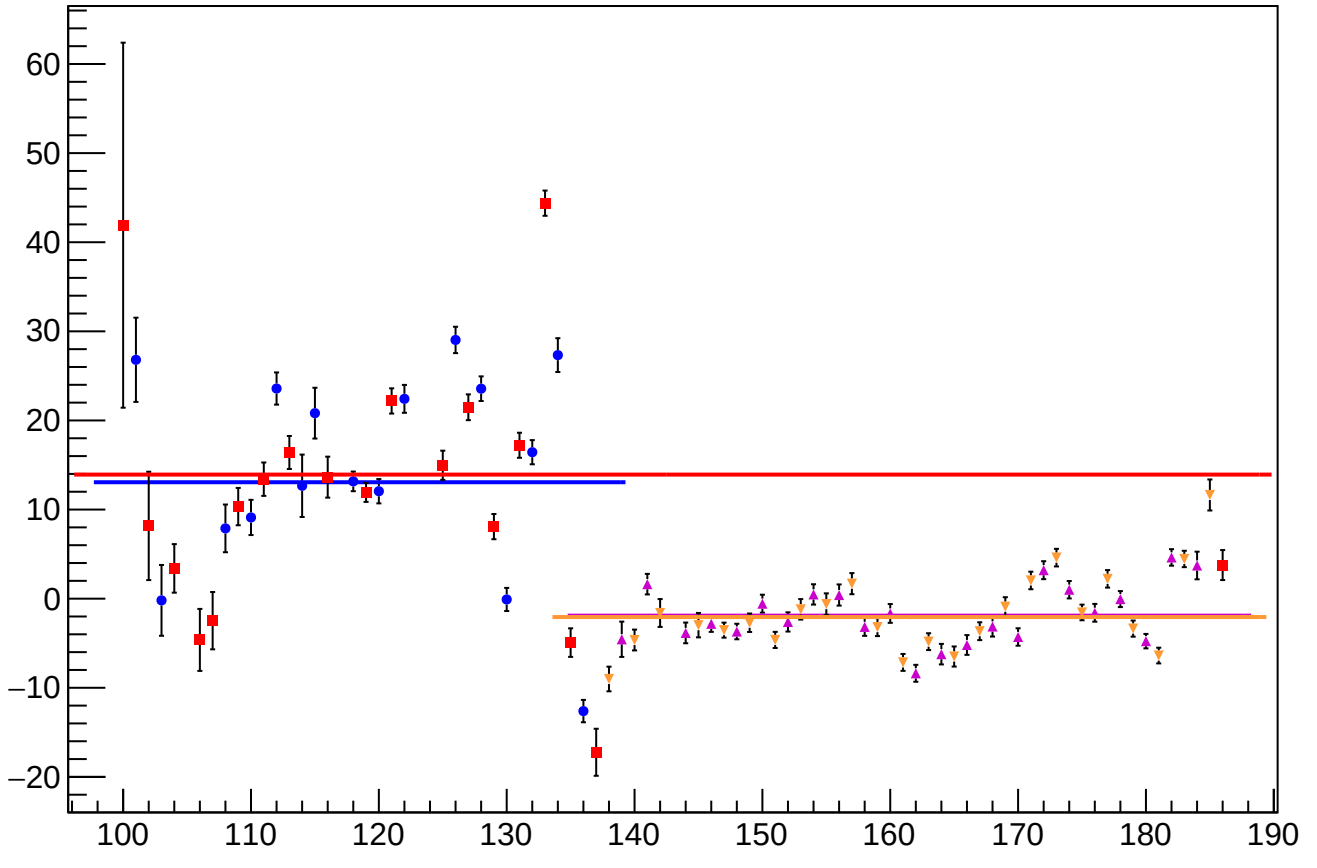
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -13.403+/-0.269 χ^2/NDF: 5481.7/34

In: -28.873+/-0.210 χ^2/NDF:10206.9/38

Out: -28.111+/-0.201 χ^2/NDF:9655.9/42

All: -28.476+/-0.145 χ^2/NDF: 19869.6/81



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

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

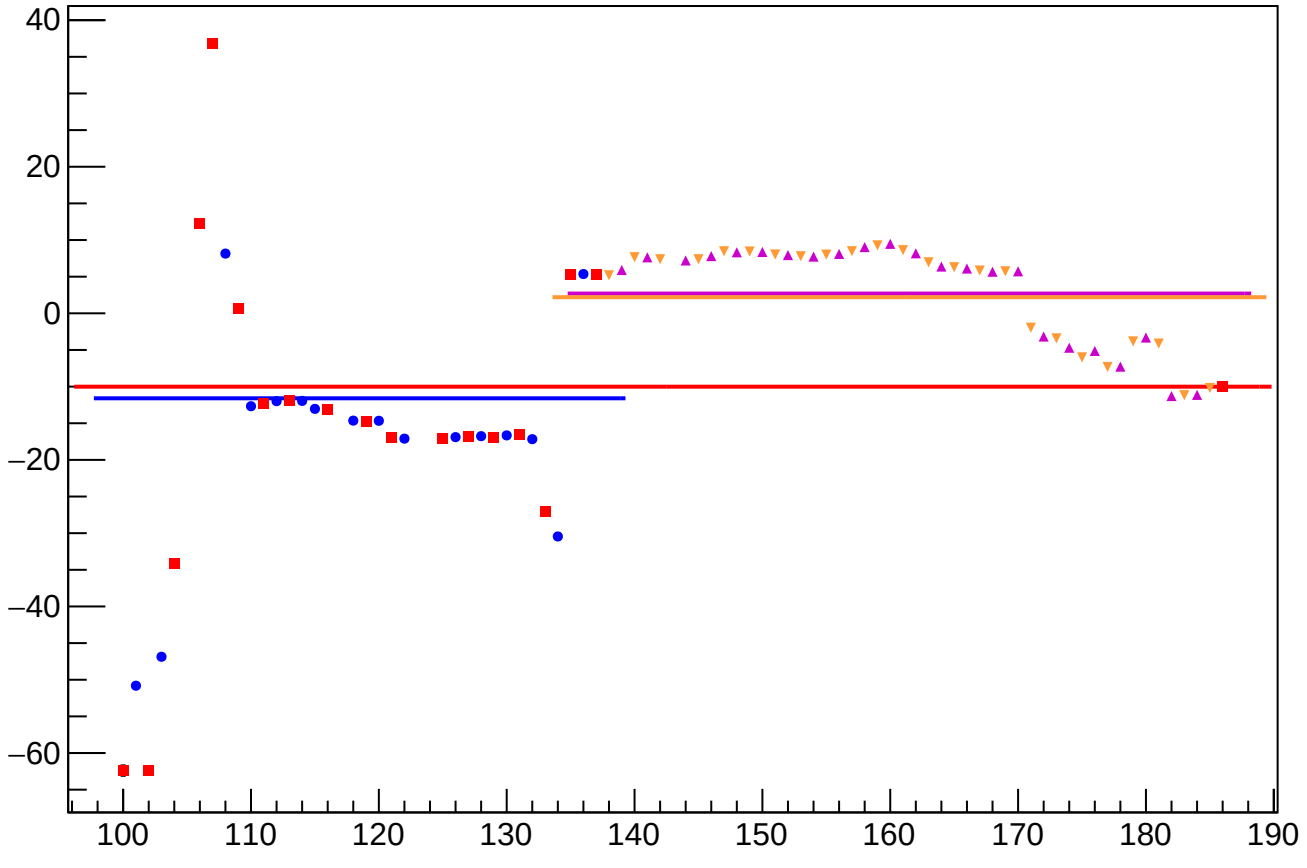
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 13.500+/-0.291 χ^2/NDF: 1807.3/34

In: 1.294+/-0.192 χ^2/NDF:2110.2/38

Out: 1.319+/-0.188 χ^2/NDF:2474.0/42

All: 1.307+/-0.134 χ^2/NDF: 4584.2/81



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

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

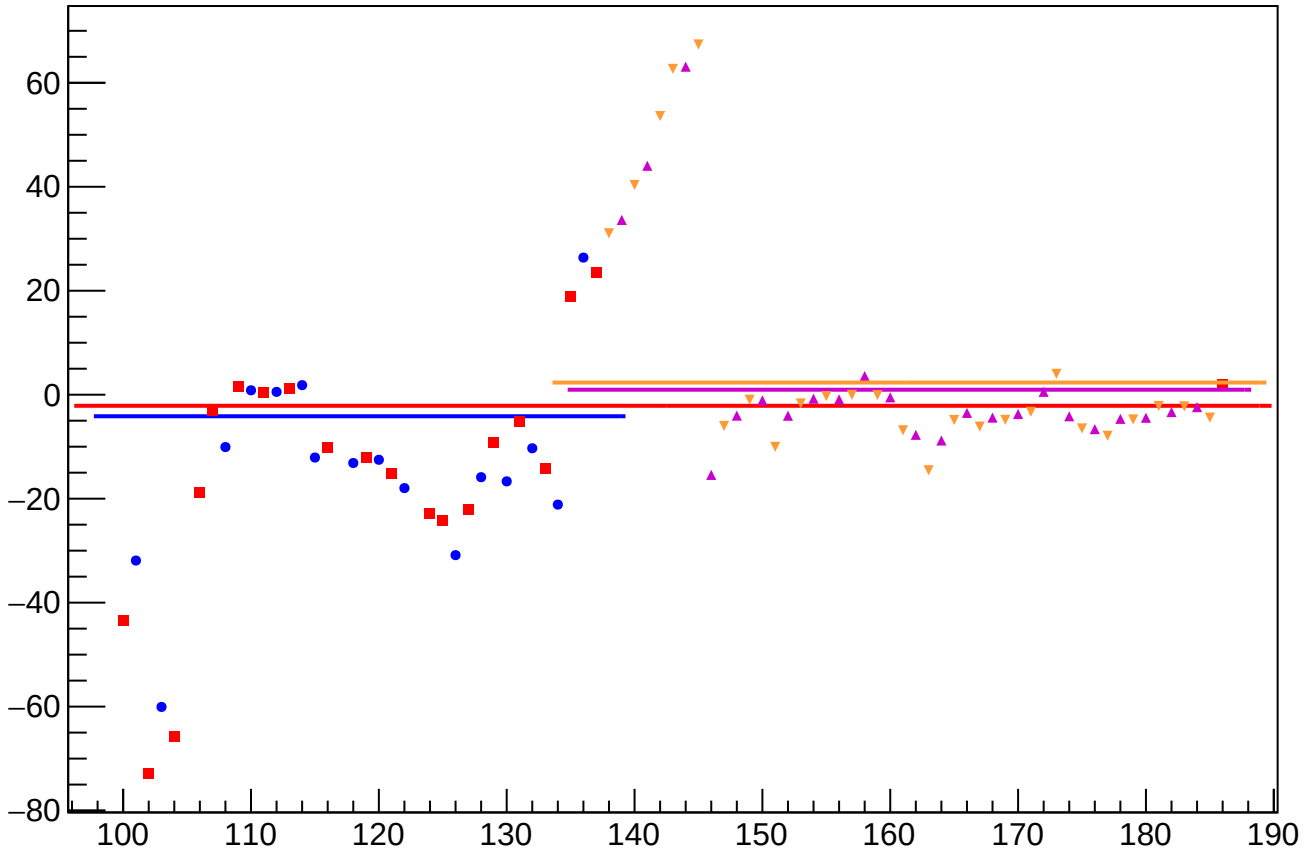
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -10.816+/-0.019 χ^2/NDF: 758594.3/34

In: 1.030+/-0.009 χ^2/NDF:1119990.4/38

Out: 0.831+/-0.009 χ^2/NDF:1089982.0/42

All: 0.930+/-0.006 χ^2/NDF: 2210219.3/81



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

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

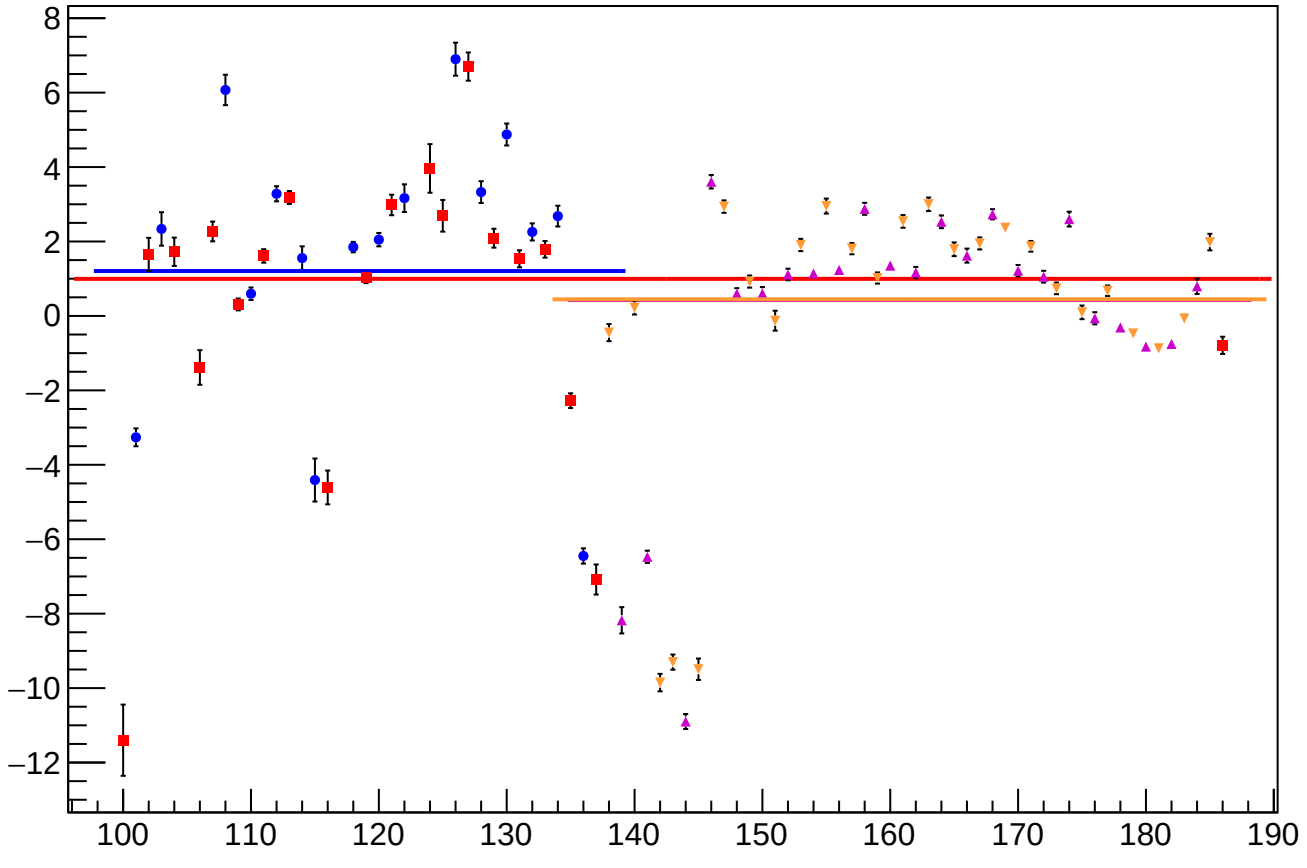
Right: -2.939+/-0.035 χ^2/NDF: 157332.3/35

In: -0.817+/-0.032 χ^2/NDF:213460.7/38

Out: 0.342+/-0.030 χ^2/NDF:263760.3/44

All: -0.195+/-0.022 χ^2/NDF: 477914.8/83

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.446+/-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

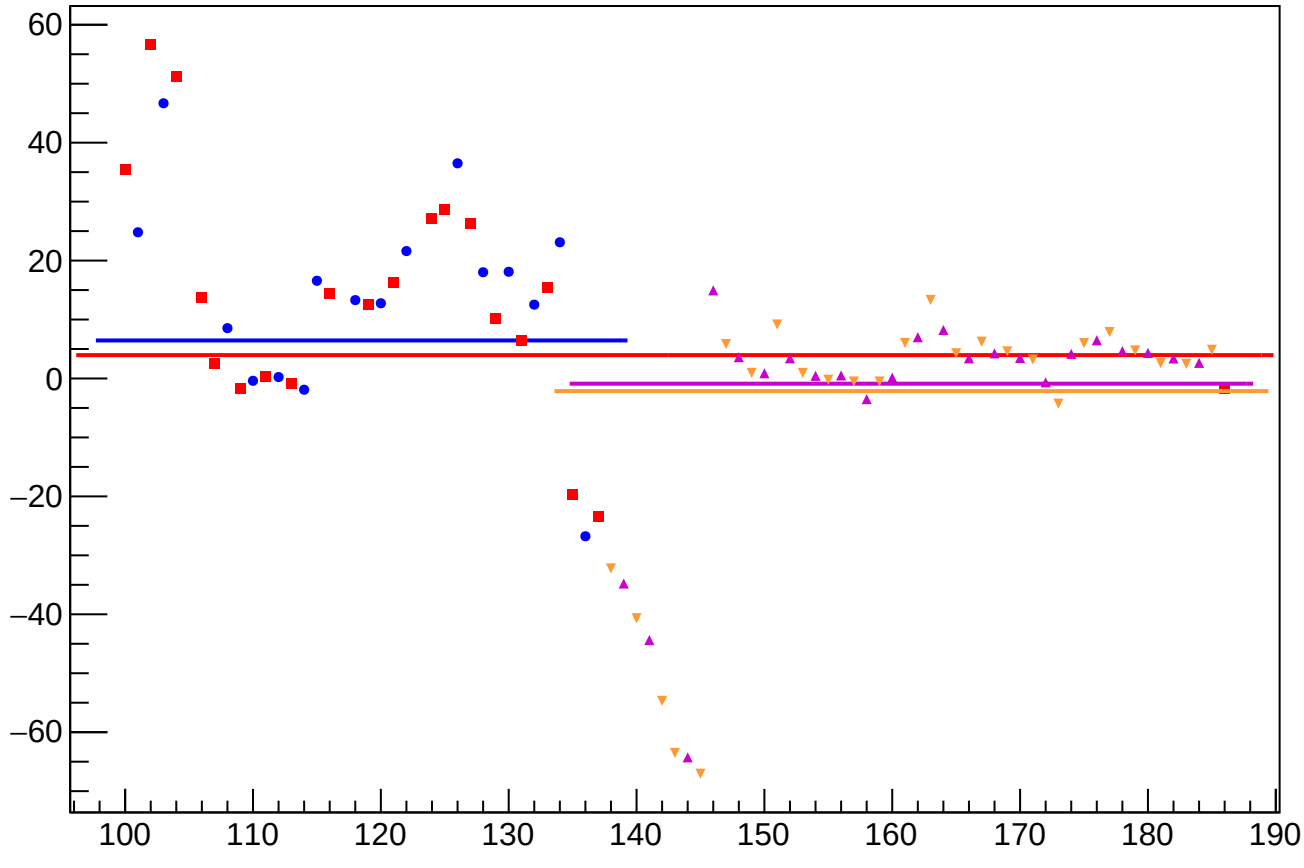
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 1.092+/-0.041 χ^2/NDF: 4241.7/35

In: 0.593+/-0.028 χ^2/NDF:9817.5/38

Out: 0.589+/-0.028 χ^2/NDF:8767.7/44

All: 0.591+/-0.020 χ^2/NDF: 18585.2/83



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

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

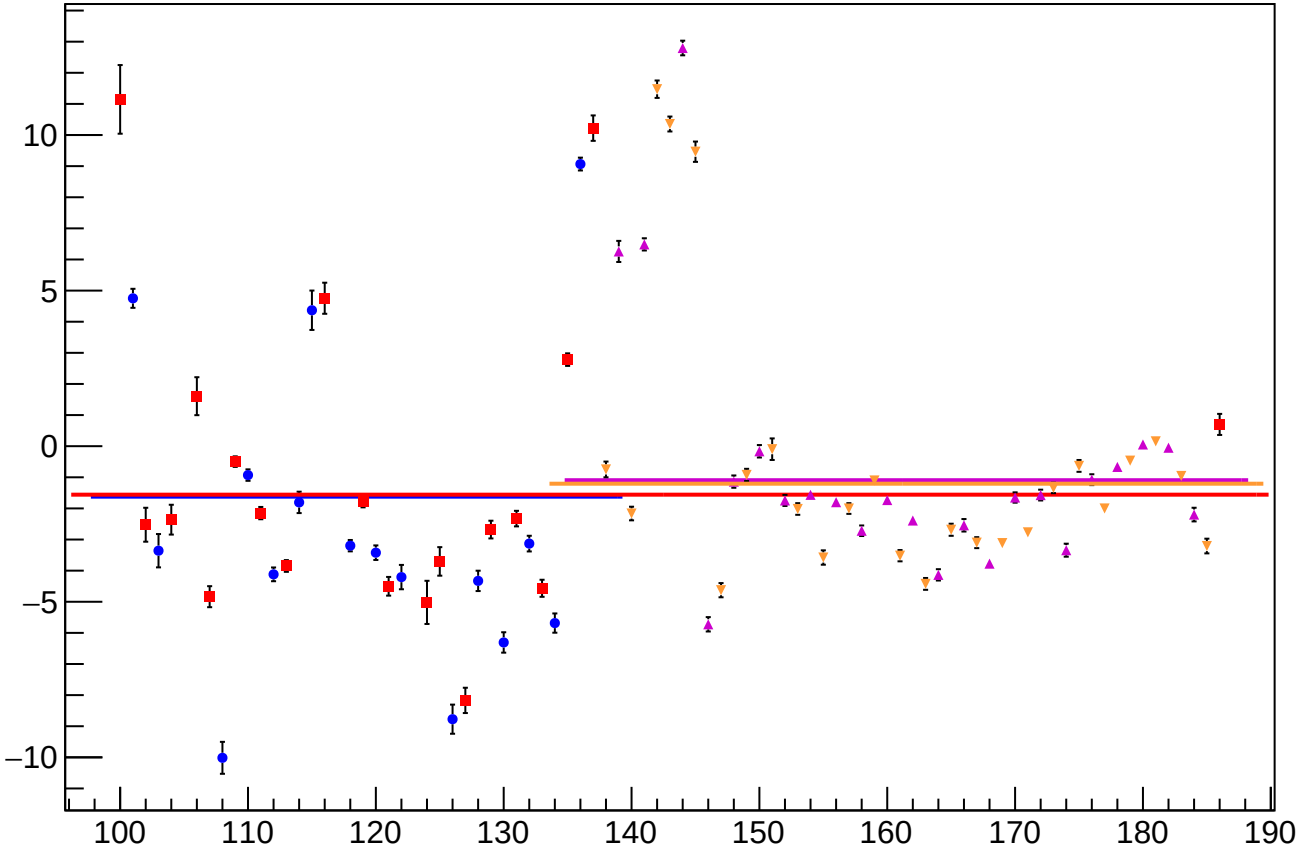
Right: 4.999+/-0.042 χ^2/NDF: 148435.1/35

In: 1.076+/-0.034 χ^2/NDF:209141.7/38

Out: -0.010+/-0.032 χ^2/NDF:256226.3/44

All: 0.513+/-0.023 χ^2/NDF: 465907.0/83

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -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

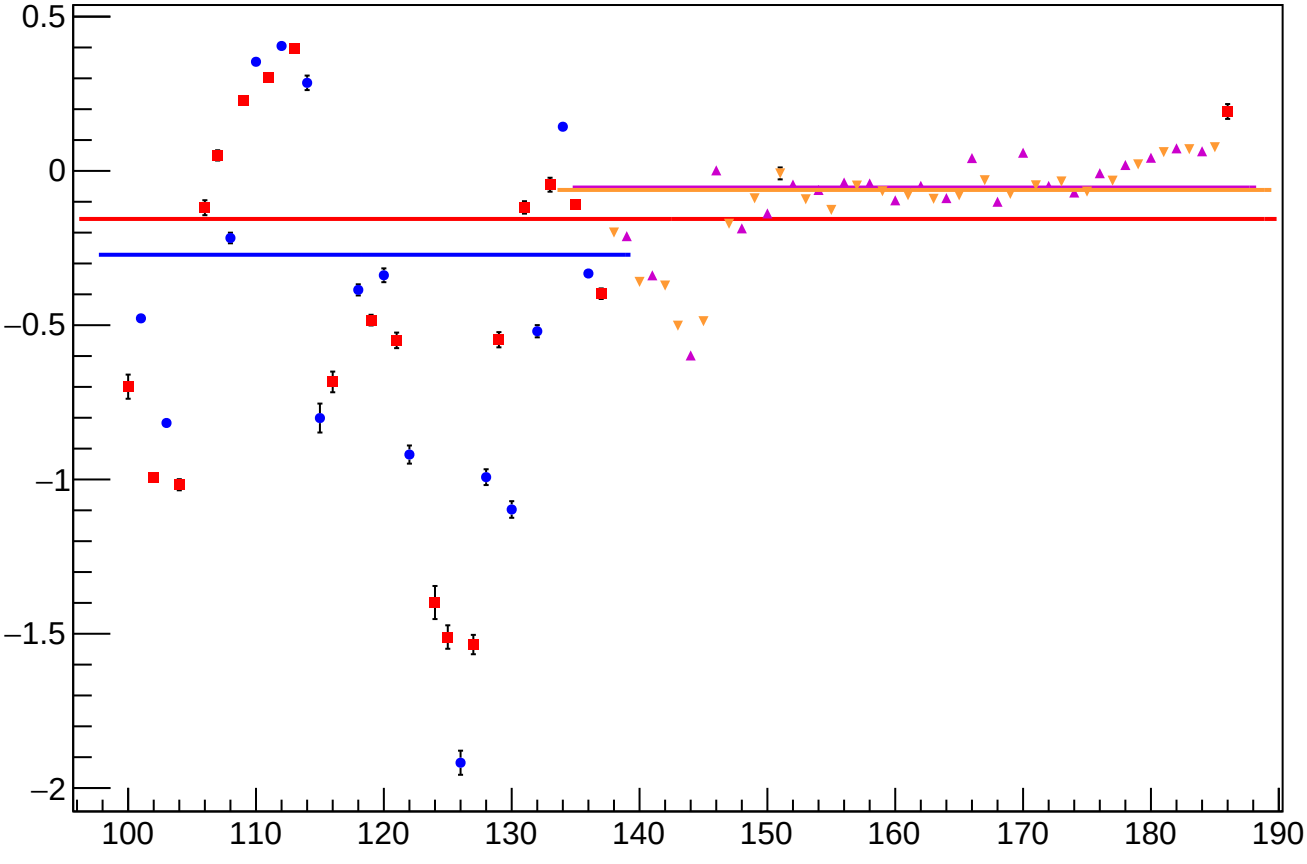
Right: -1.587+/-0.047 χ^2/NDF: 7033.9/35

In: -1.199+/-0.031 χ^2/NDF:11600.5/38

Out: -1.293+/-0.032 χ^2/NDF:9534.5/44

All: -1.246+/-0.022 χ^2/NDF: 21139.4/83

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.062+/-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

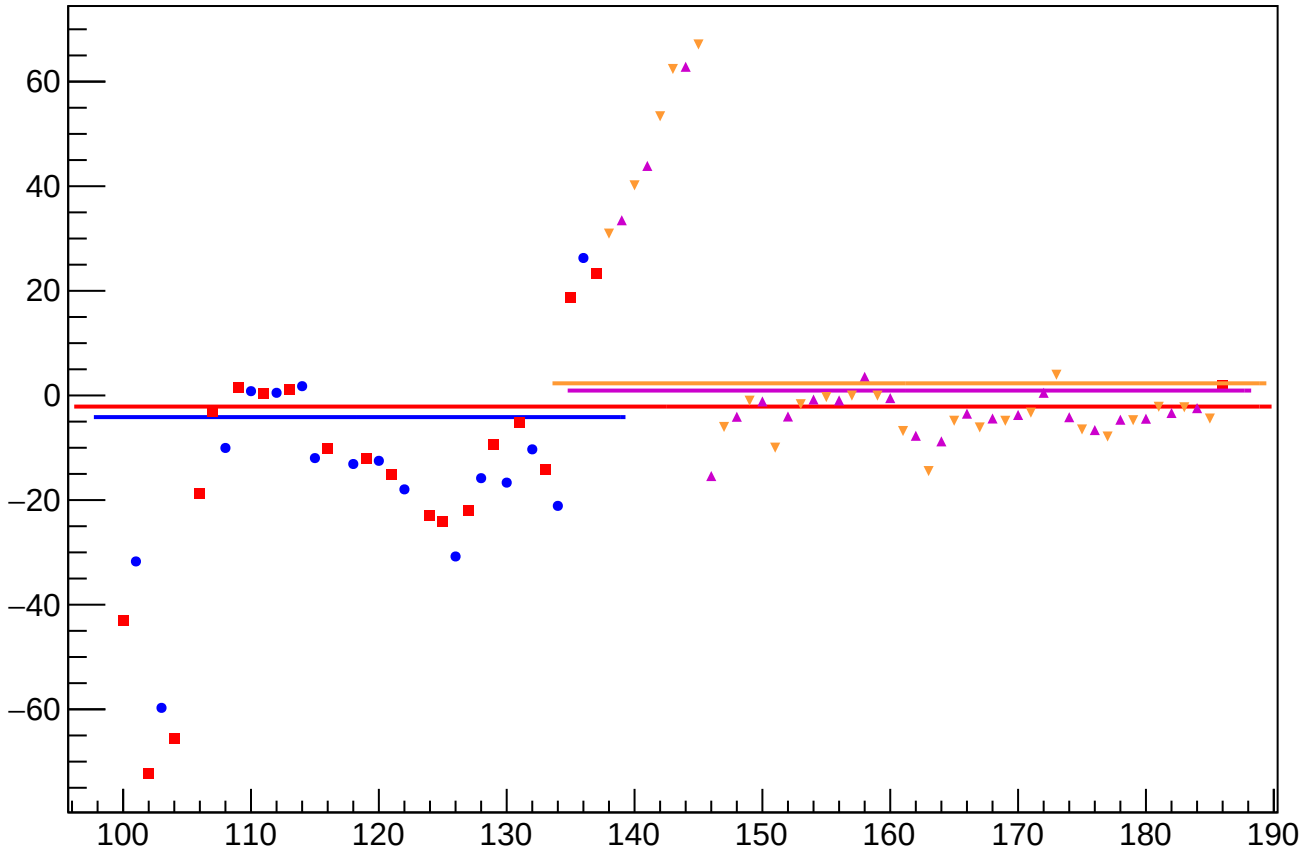
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: -0.208+/-0.003 χ^2/NDF: 28189.1/35

In: -0.079+/-0.001 χ^2/NDF:19513.1/38

Out: -0.076+/-0.001 χ^2/NDF:21955.7/44

All: -0.077+/-0.001 χ^2/NDF: 41470.8/83



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

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

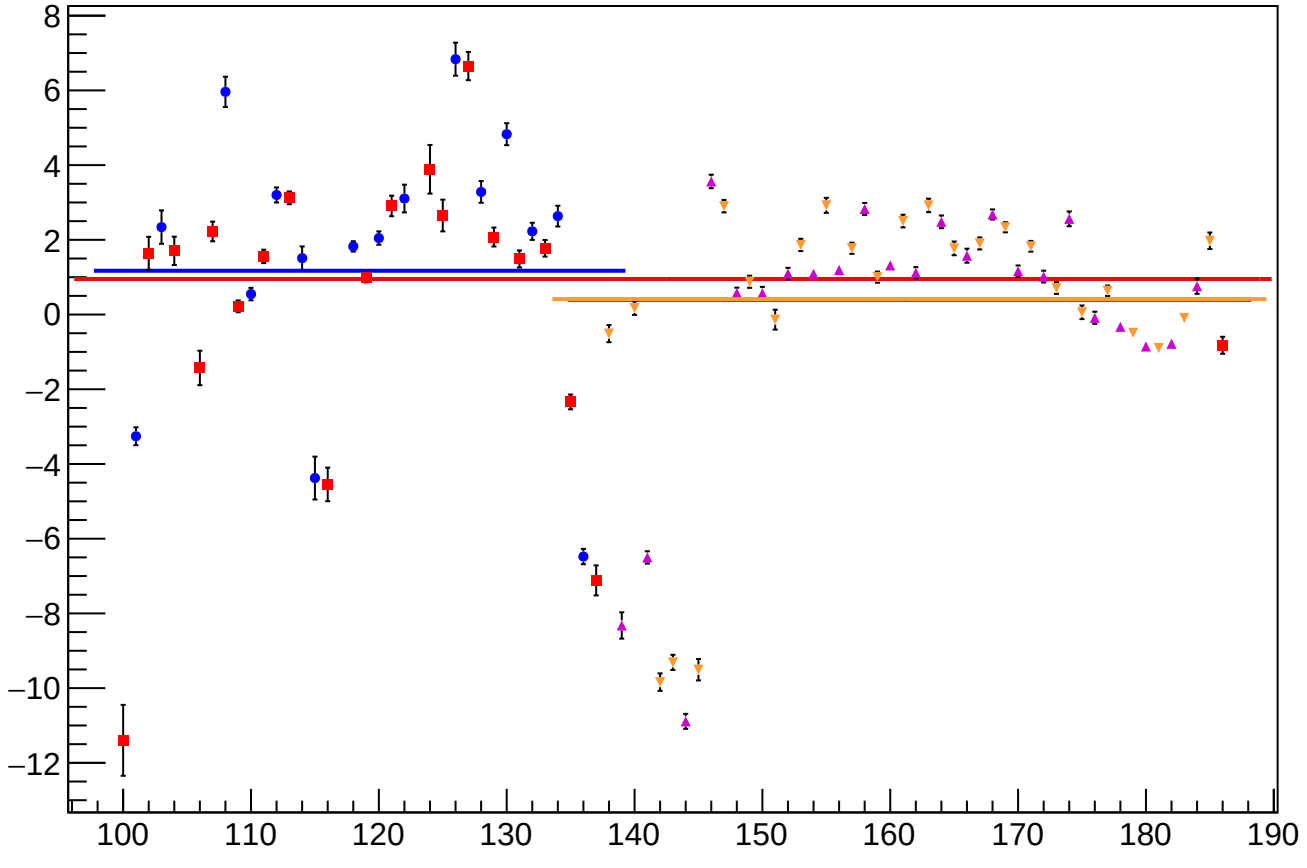
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -2.934+/-0.034 χ^2/NDF: 157252.1/35

In: -0.837+/-0.032 χ^2/NDF:213317.6/38

Out: 0.323+/-0.030 χ^2/NDF:263440.8/44

All: -0.213+/-0.022 χ^2/NDF: 477460.1/83



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

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

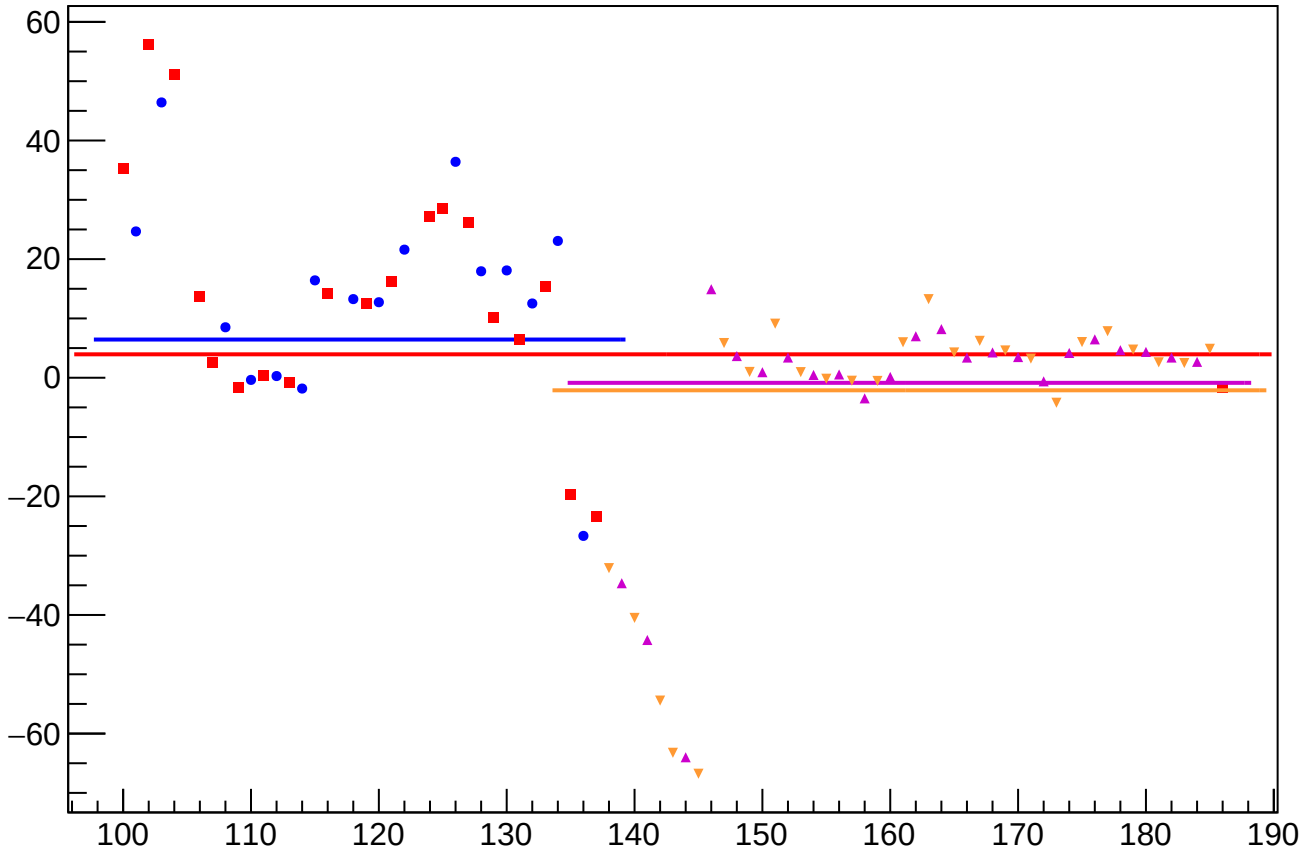
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 1.053+/-0.041 χ^2/NDF: 4252.8/35

In: 0.556+/-0.028 χ^2/NDF:9832.2/38

Out: 0.554+/-0.028 χ^2/NDF:8778.5/44

All: 0.555+/-0.020 χ^2/NDF: 18610.7/83



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

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

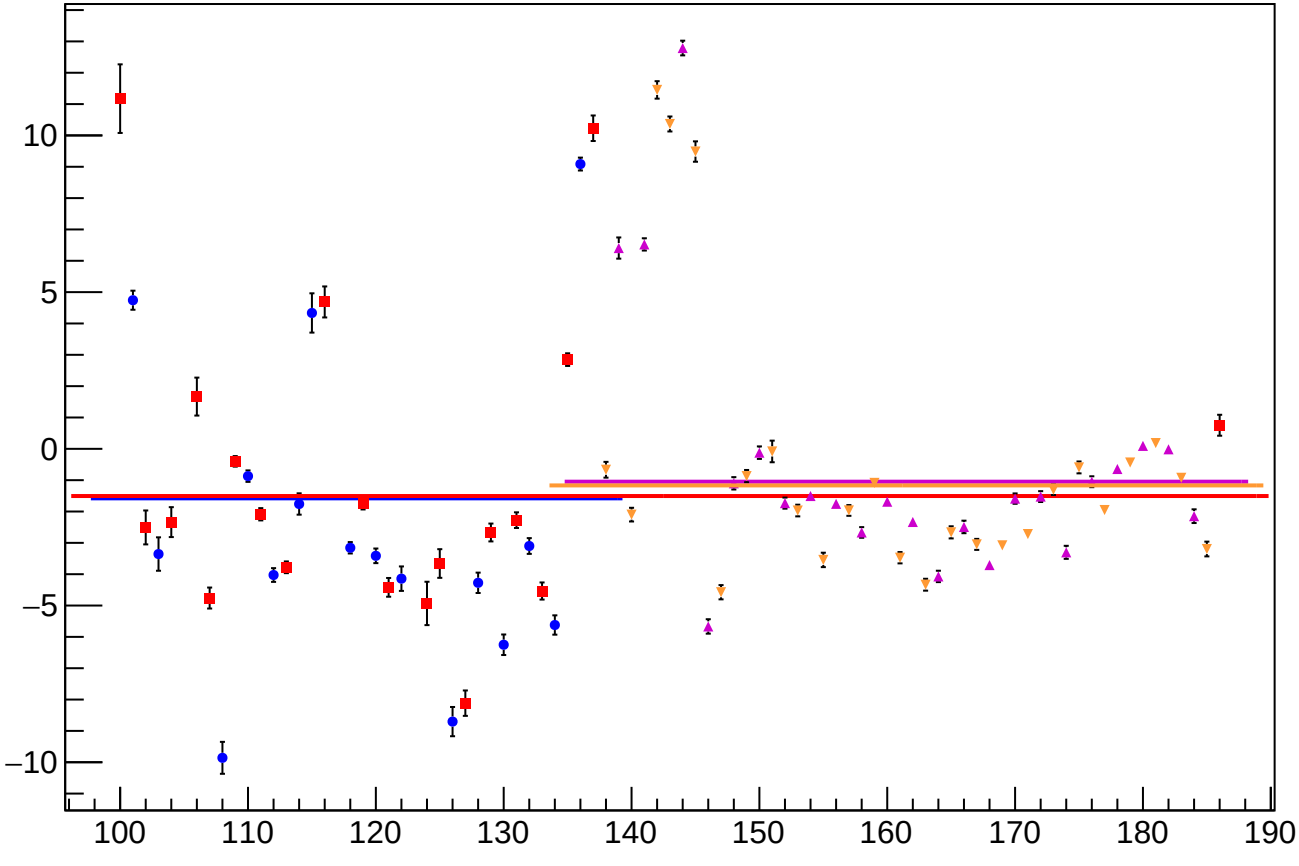
Right: 4.983+/-0.042 χ^2/NDF: 148339.9/35

In: 1.098+/-0.034 χ^2/NDF:208991.2/38

Out: 0.009+/-0.032 χ^2/NDF:255909.0/44

All: 0.533+/-0.023 χ^2/NDF: 465446.2/83

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

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

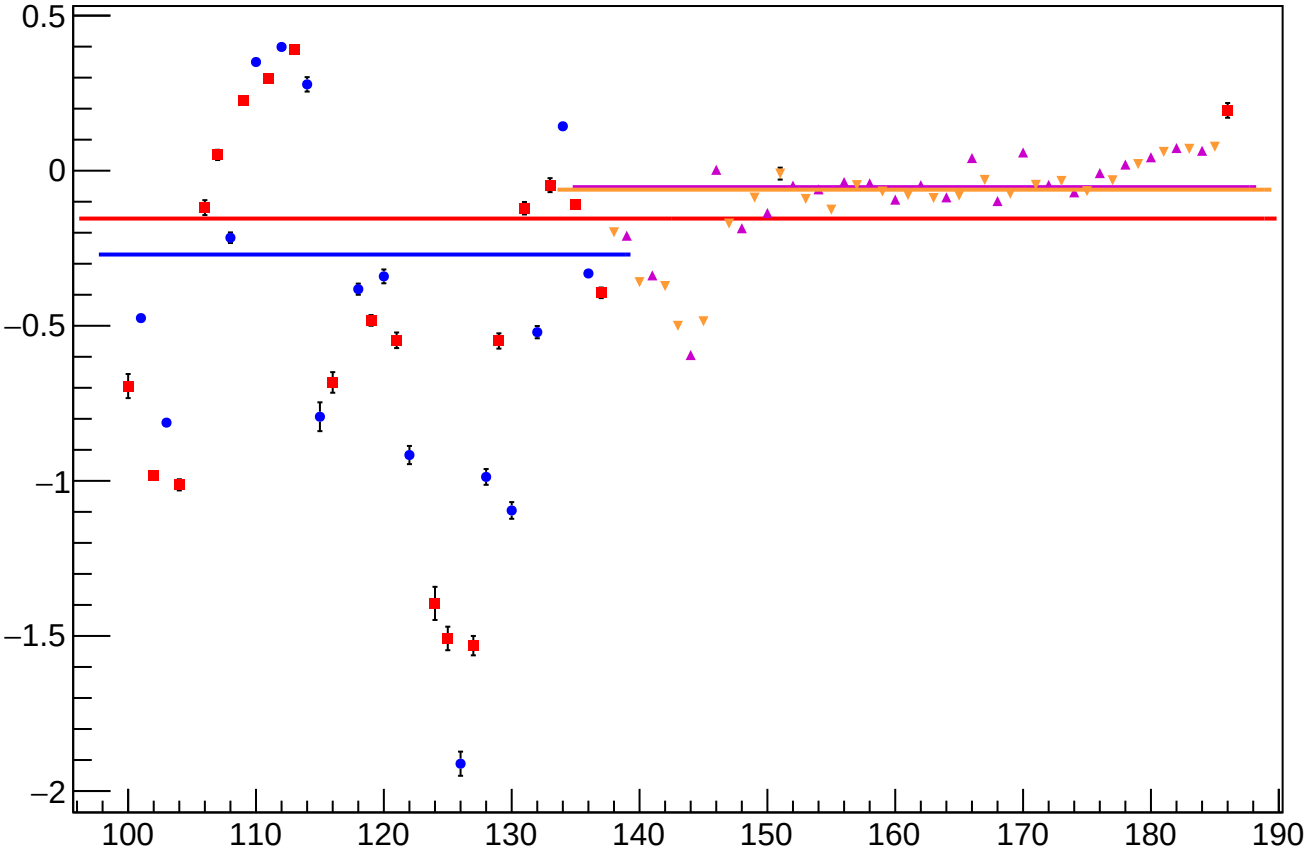
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.539+/-0.047 χ^2/NDF: 7044.4/35

In: -1.155+/-0.031 χ^2/NDF:11612.1/38

Out: -1.251+/-0.031 χ^2/NDF:9542.6/44

All: -1.203+/-0.022 χ^2/NDF: 21159.4/83



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

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

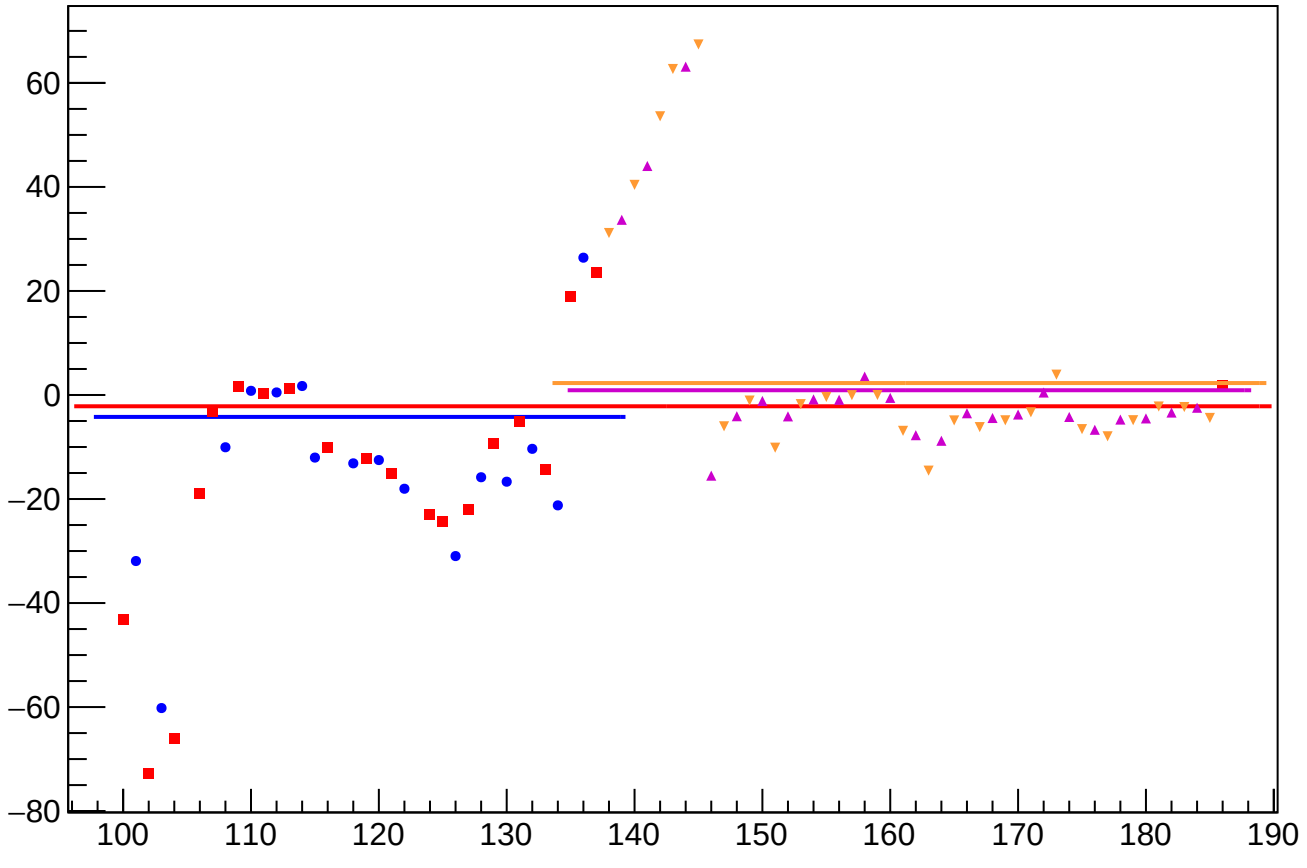
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.206+/-0.003 χ^2/NDF: 28200.4/35

In: -0.078+/-0.001 χ^2/NDF:19487.0/38

Out: -0.075+/-0.001 χ^2/NDF:21988.0/44

All: -0.077+/-0.001 χ^2/NDF: 41476.8/83



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

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

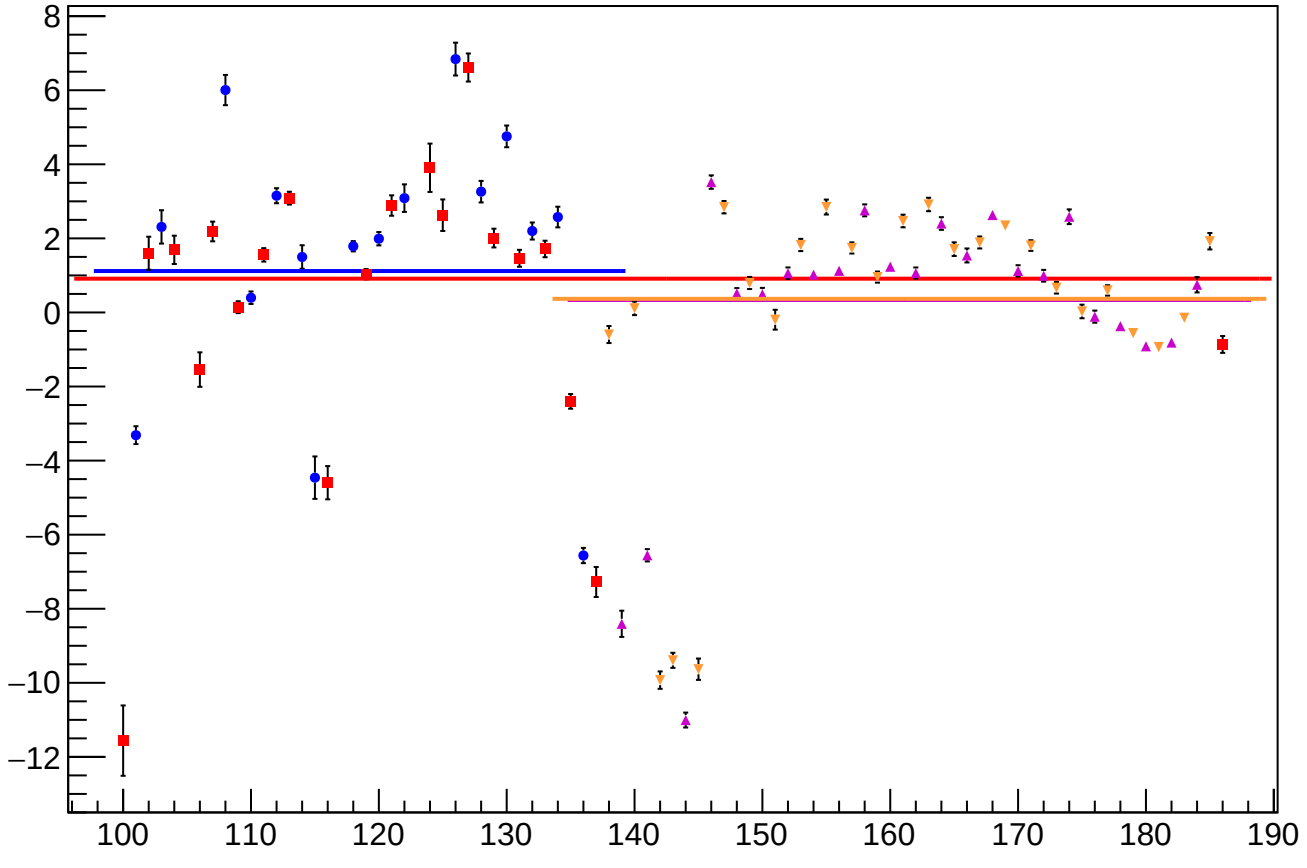
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -2.990+/-0.035 χ^2/NDF: 157295.3/35

In: -0.871+/-0.032 χ^2/NDF:213515.2/38

Out: 0.297+/-0.030 χ^2/NDF:263925.8/44

All: -0.244+/-0.022 χ^2/NDF: 478145.6/83



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

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

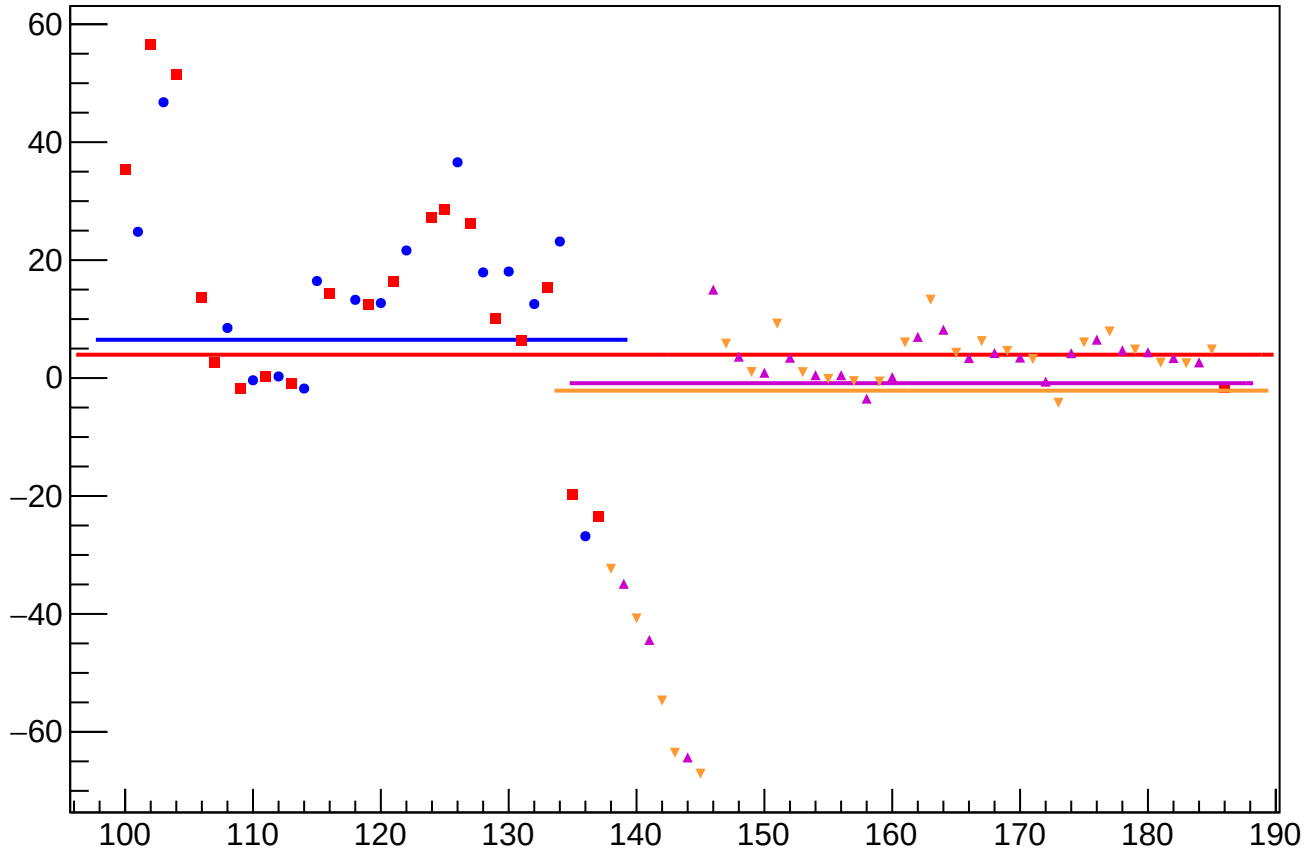
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 1.006+/-0.041 χ^2/NDF: 4274.9/35

In: 0.503+/-0.028 χ^2/NDF:9817.6/38

Out: 0.509+/-0.028 χ^2/NDF:8816.1/44

All: 0.506+/-0.020 χ^2/NDF: 18633.7/83



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

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

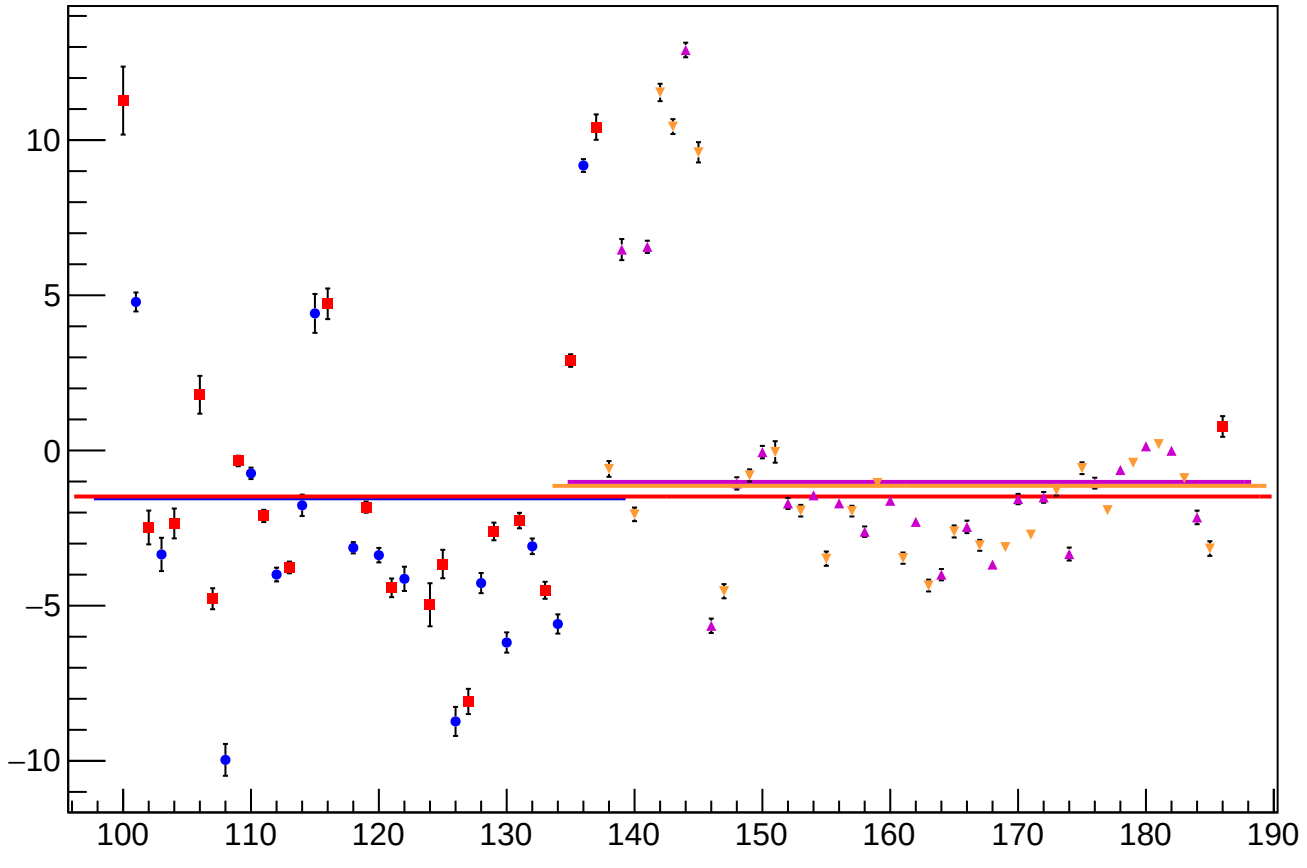
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 5.009+/-0.042 χ^2/NDF: 148456.8/35

In: 1.096+/-0.034 χ^2/NDF:209227.9/38

Out: 0.000+/-0.032 χ^2/NDF:256421.7/44

All: 0.527+/-0.023 χ^2/NDF: 466197.6/83



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

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

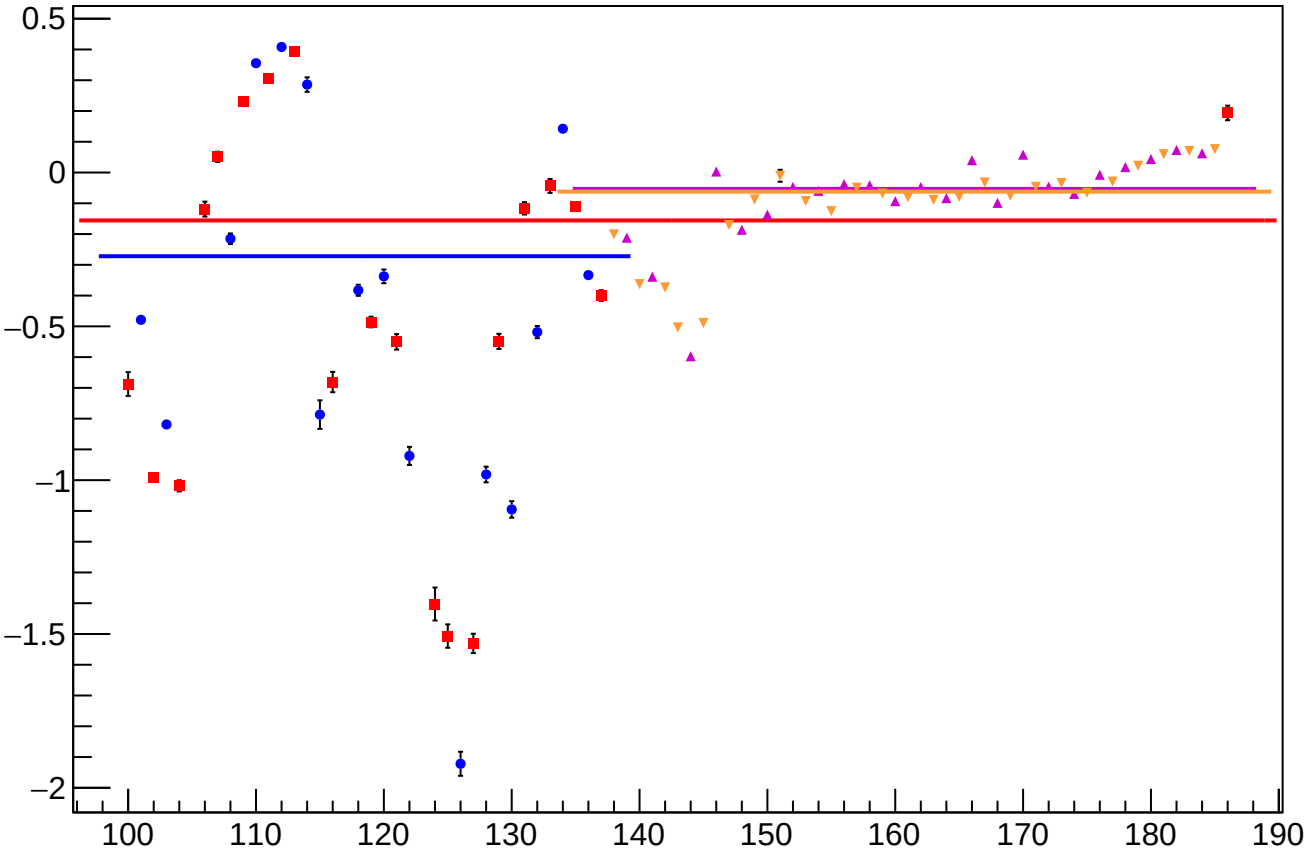
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.509+/-0.047 χ^2/NDF: 7080.7/35

In: -1.119+/-0.031 χ^2/NDF:11608.9/38

Out: -1.224+/-0.032 χ^2/NDF:9589.4/44

All: -1.171+/-0.022 χ^2/NDF: 21204.0/83



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

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

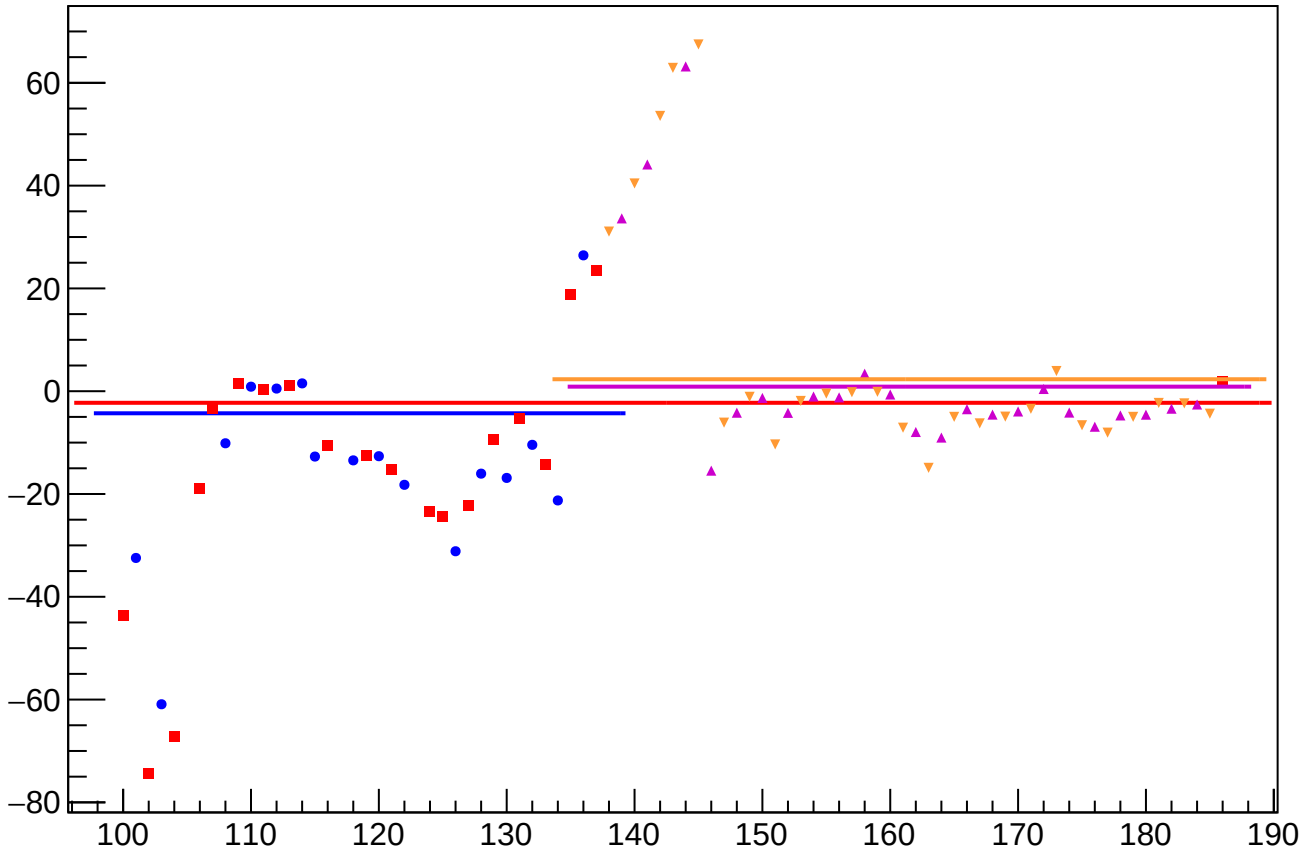
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: -0.208+/-0.003 χ^2/NDF: 28207.8/35

In: -0.078+/-0.001 χ^2/NDF:19508.7/38

Out: -0.076+/-0.001 χ^2/NDF:21976.3/44

All: -0.077+/-0.001 χ^2/NDF: 41486.0/83



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

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

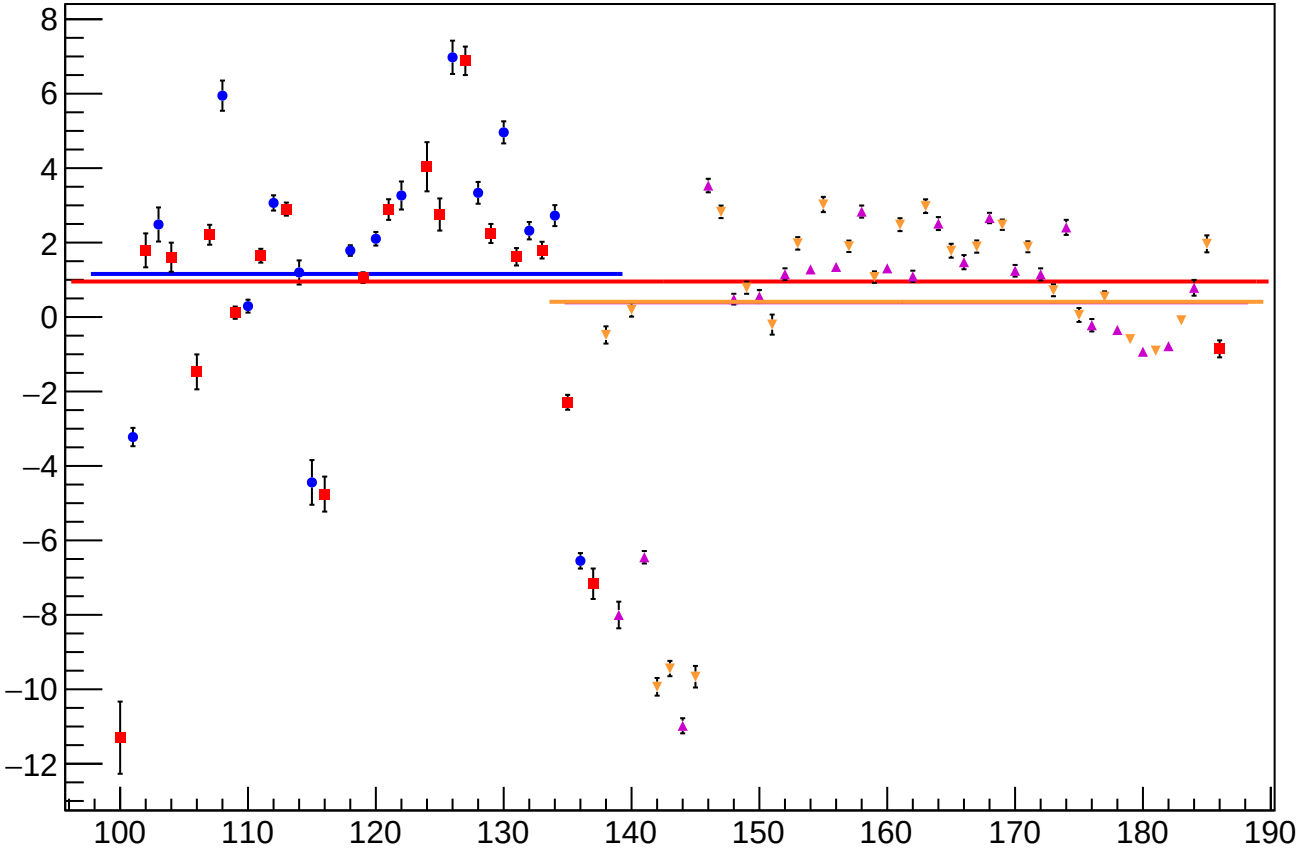
Right: -3.076+/-0.035 χ^2/NDF: 155431.5/35

In: -0.919+/-0.033 χ^2/NDF:210268.9/38

Out: 0.283+/-0.031 χ^2/NDF:260617.4/44

All: -0.274+/-0.022 χ^2/NDF: 471602.9/83

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.410+/-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

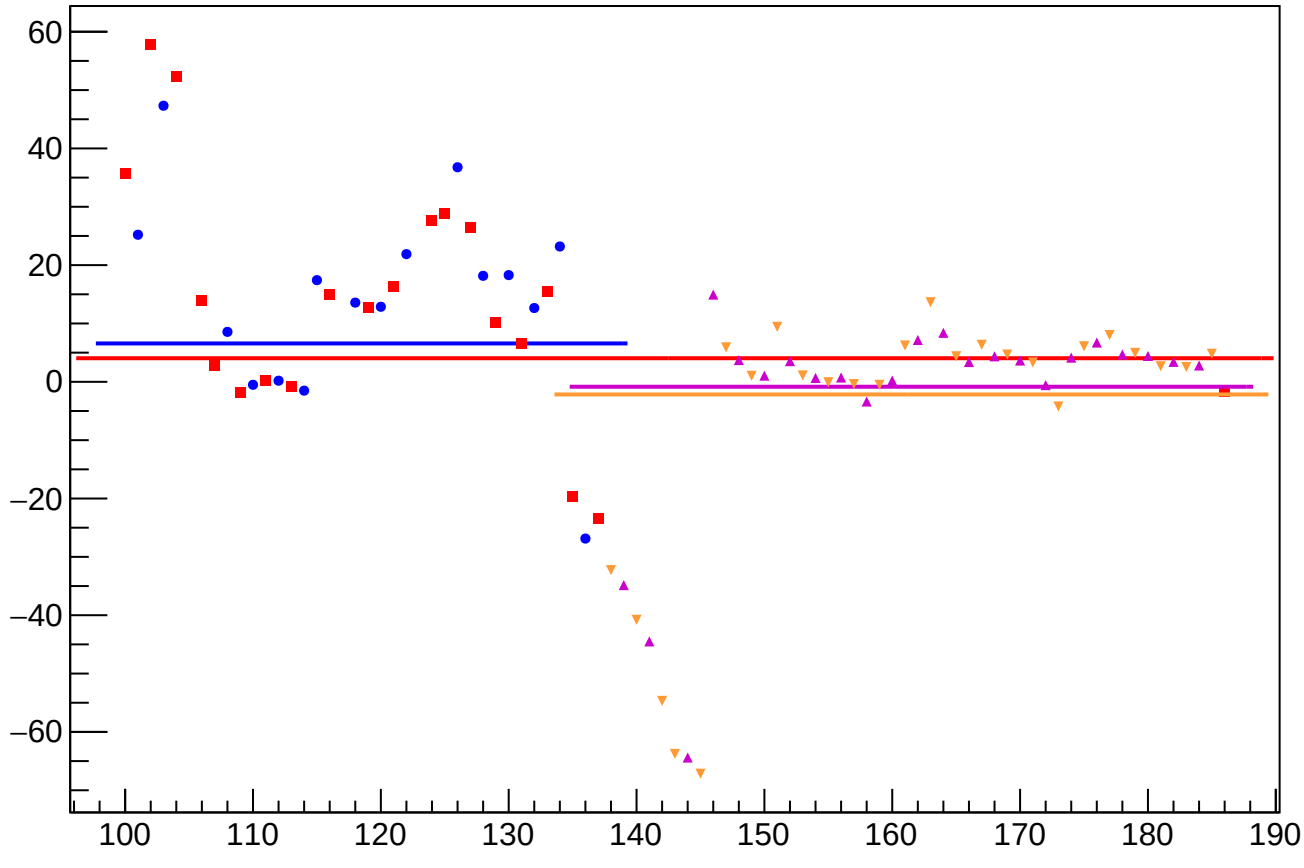
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 1.047+/-0.042 χ^2/NDF: 4174.1/35

In: 0.559+/-0.028 χ^2/NDF:9602.3/38

Out: 0.551+/-0.029 χ^2/NDF:8734.8/44

All: 0.555+/-0.020 χ^2/NDF: 18337.2/83



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

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

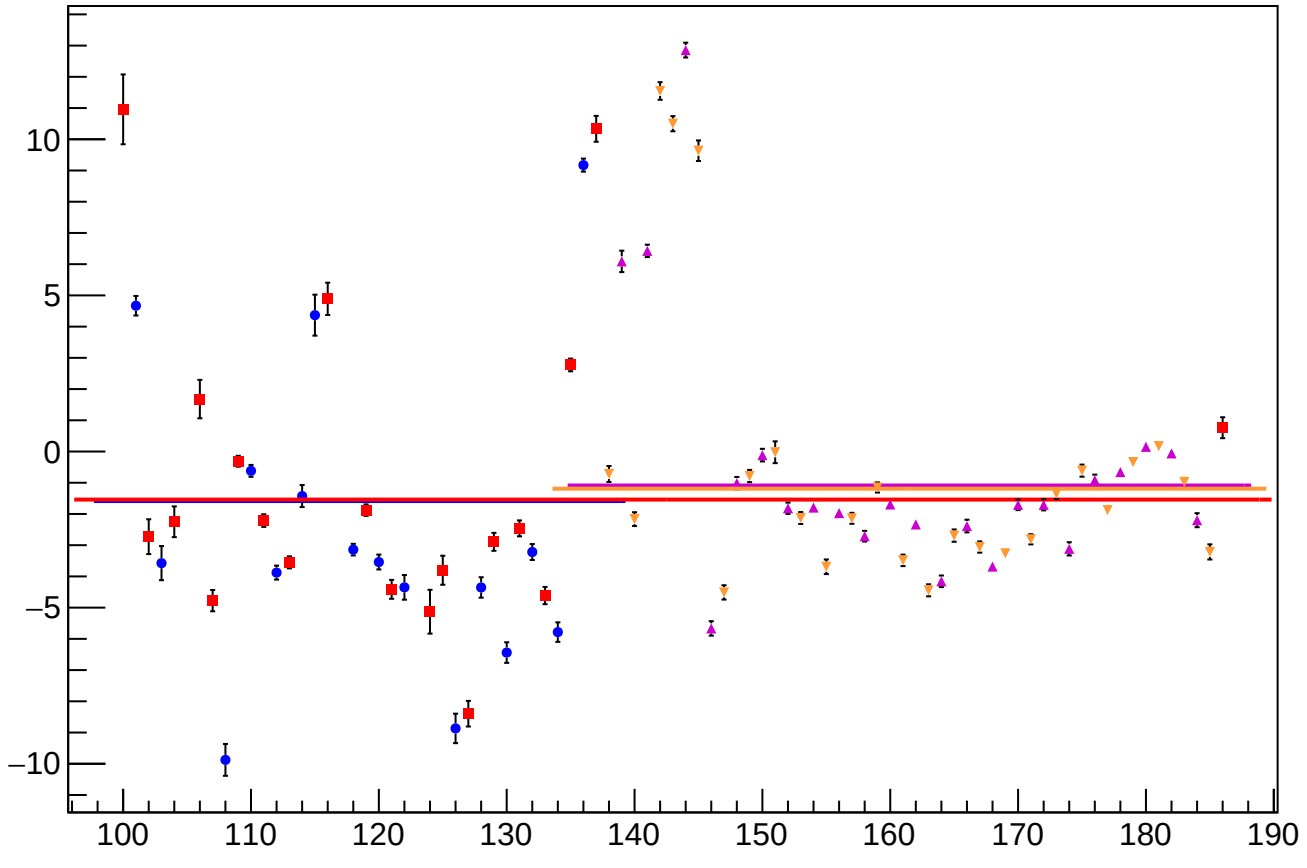
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 5.095+/-0.043 χ^2/NDF: 146753.5/35

In: 1.146+/-0.034 χ^2/NDF:206009.3/38

Out: 0.012+/-0.033 χ^2/NDF:253170.0/44

All: 0.558+/-0.024 χ^2/NDF: 459744.7/83



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

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

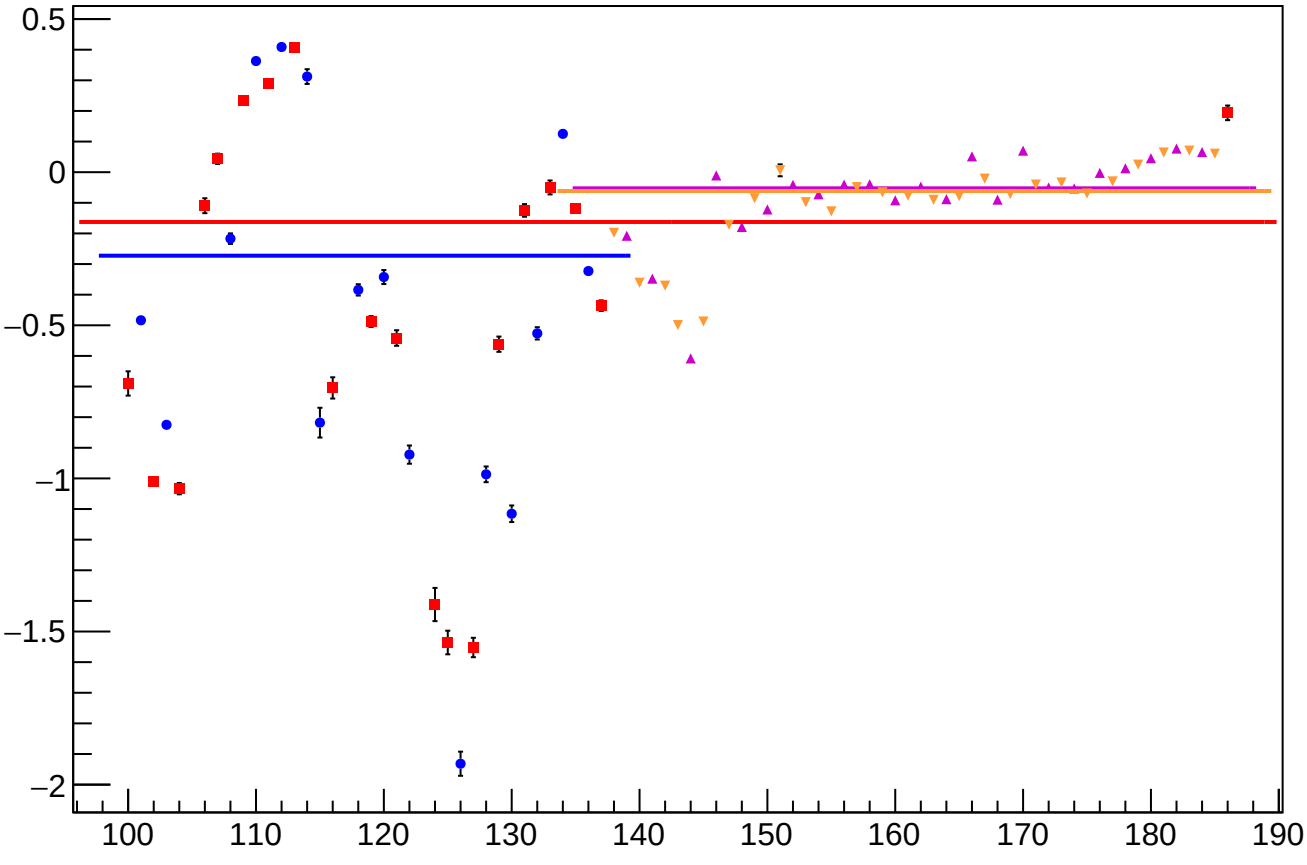
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.560+/-0.048 χ^2/NDF: 6944.1/35

In: -1.189+/-0.032 χ^2/NDF:11352.7/38

Out: -1.277+/-0.032 χ^2/NDF:9489.1/44

All: -1.232+/-0.023 χ^2/NDF: 20845.5/83



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

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

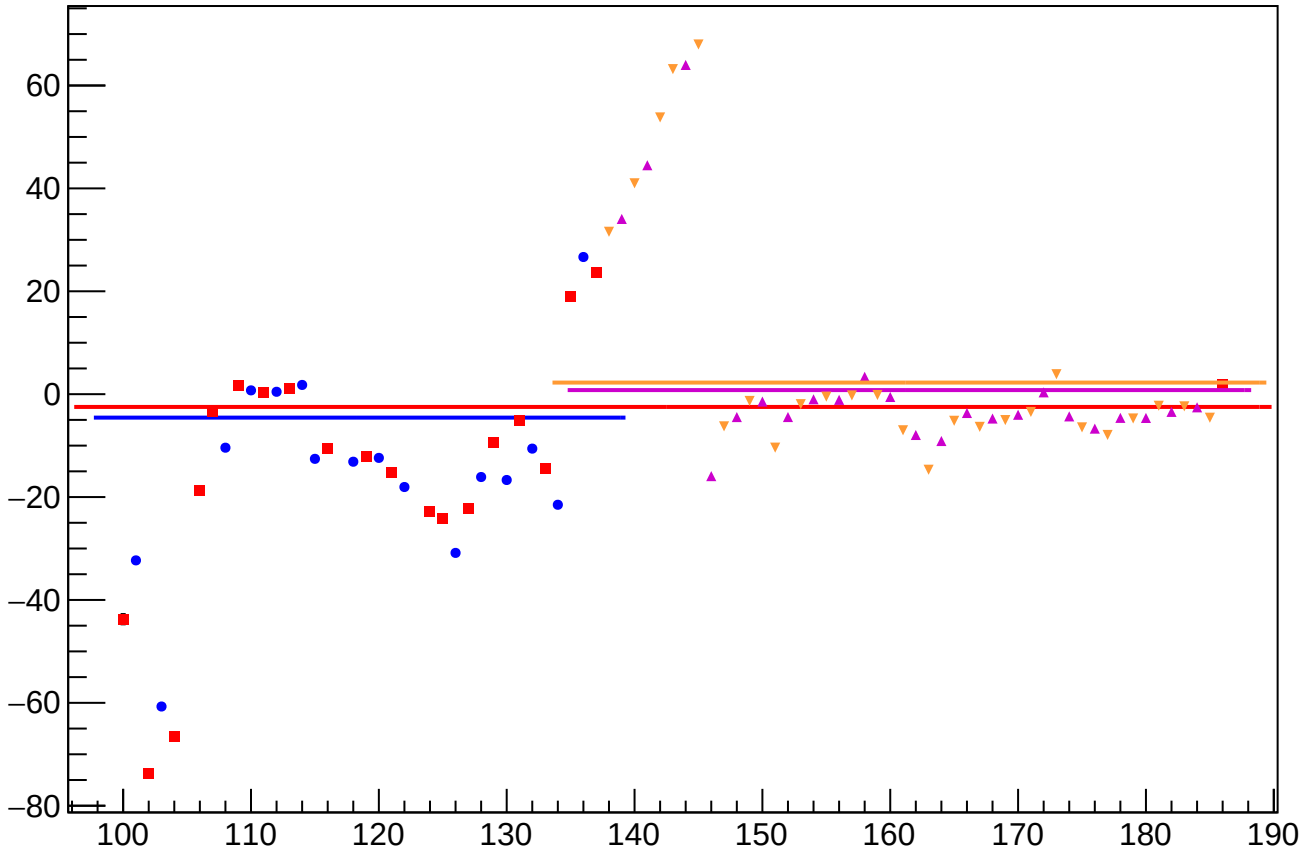
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: -0.212+/-0.003 χ^2/NDF: 27781.4/35

In: -0.078+/-0.001 χ^2/NDF:19292.5/38

Out: -0.077+/-0.001 χ^2/NDF:21708.5/44

All: -0.078+/-0.001 χ^2/NDF: 41001.3/83



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

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

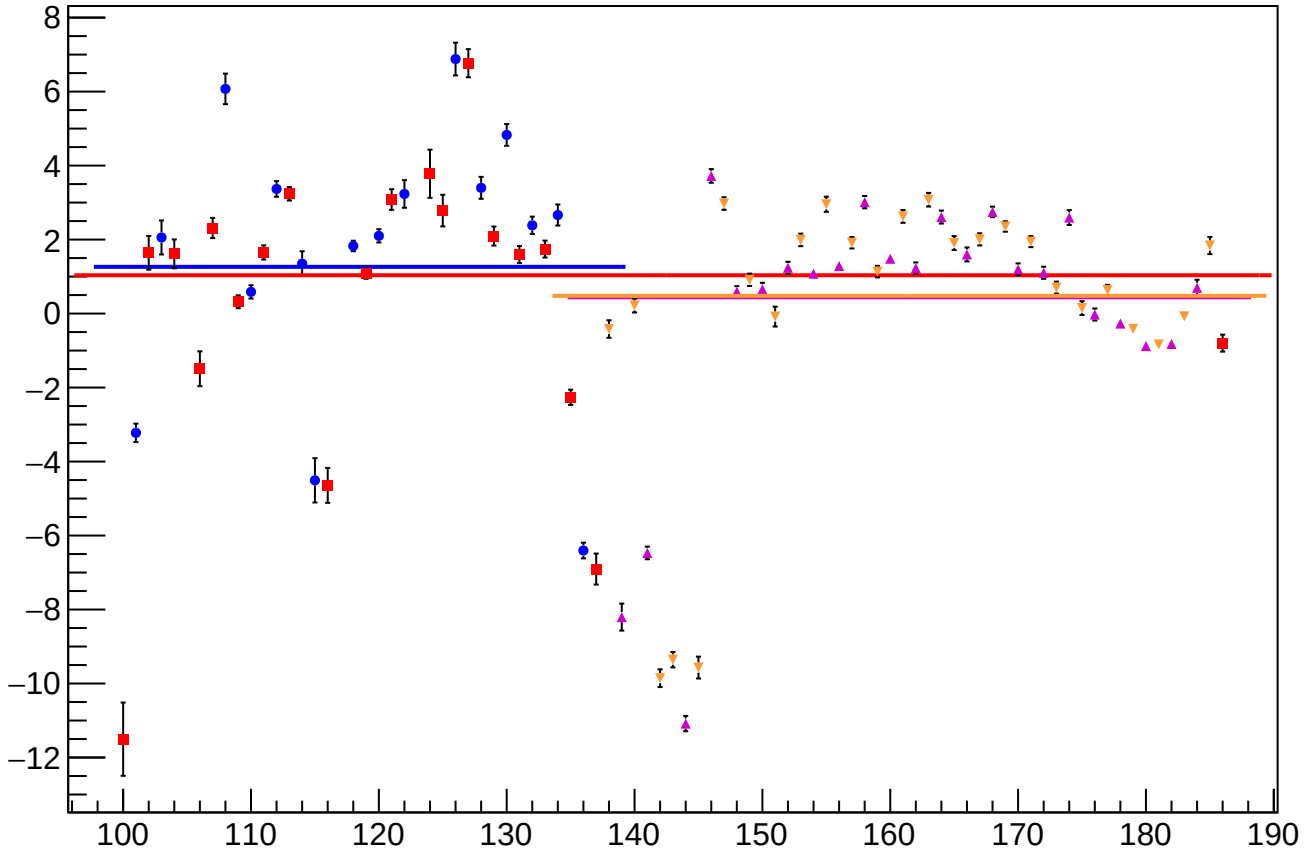
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -3.323+/-0.036 χ^2/NDF: 151927.6/35

In: -1.049+/-0.033 χ^2/NDF:207282.3/38

Out: 0.177+/-0.031 χ^2/NDF:255884.1/44

All: -0.393+/-0.023 χ^2/NDF: 463889.1/83



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

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

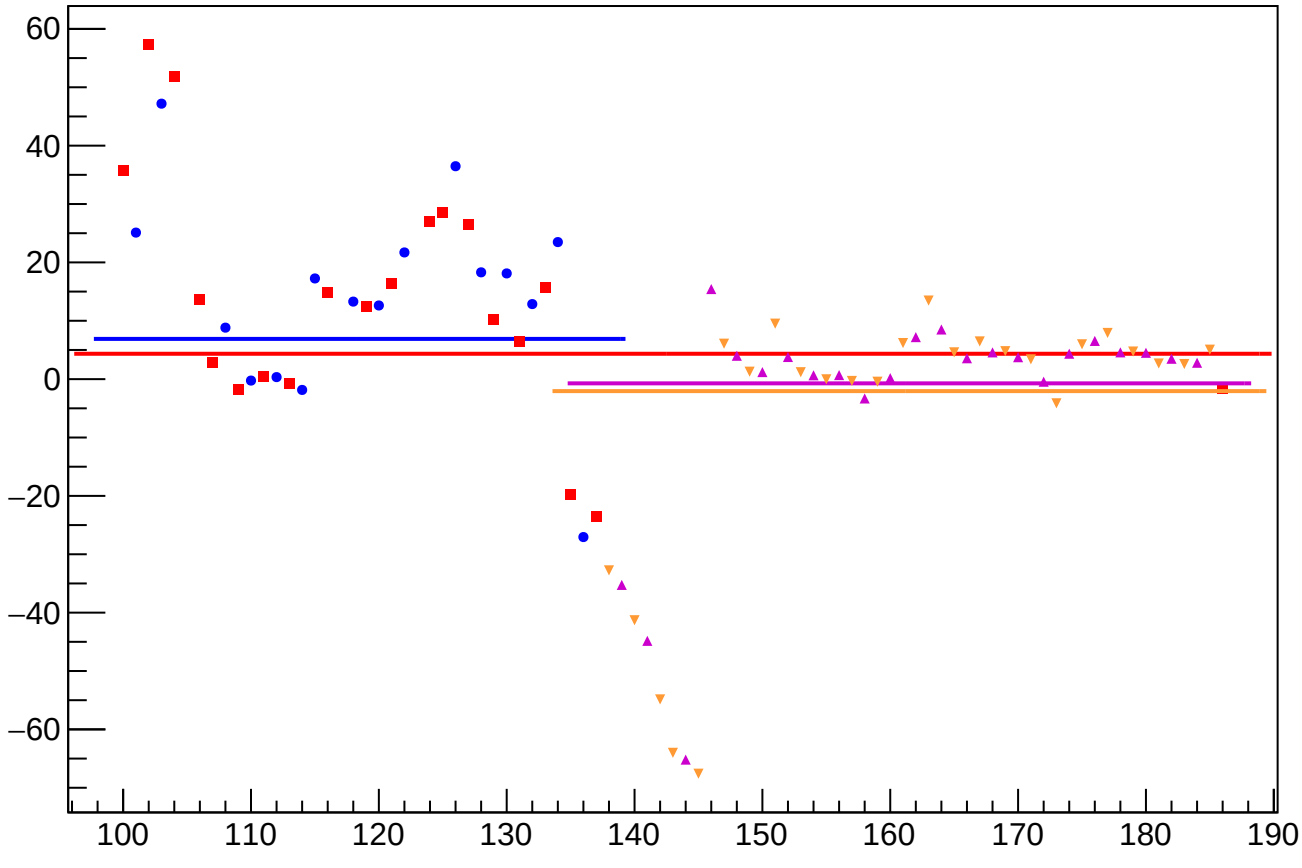
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 1.140+/-0.042 χ^2/NDF: 4009.7/35

In: 0.616+/-0.029 χ^2/NDF:9476.0/38

Out: 0.622+/-0.029 χ^2/NDF:8436.9/44

All: 0.619+/-0.020 χ^2/NDF: 17912.9/83



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

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

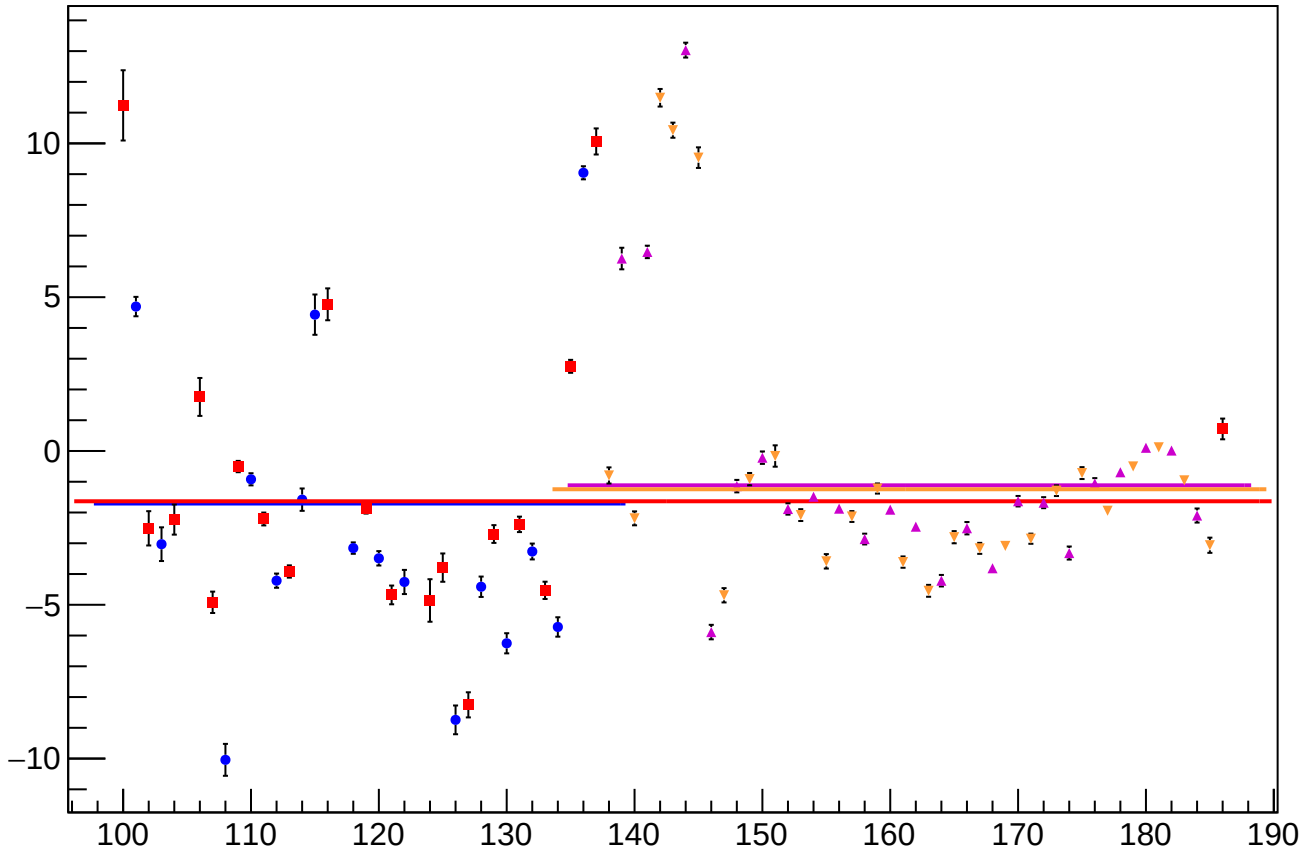
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 5.409+/-0.043 χ^2/NDF: 143004.8/35

In: 1.307+/-0.035 χ^2/NDF:202955.0/38

Out: 0.166+/-0.034 χ^2/NDF:248388.4/44

All: 0.716+/-0.024 χ^2/NDF: 451901.6/83



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

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

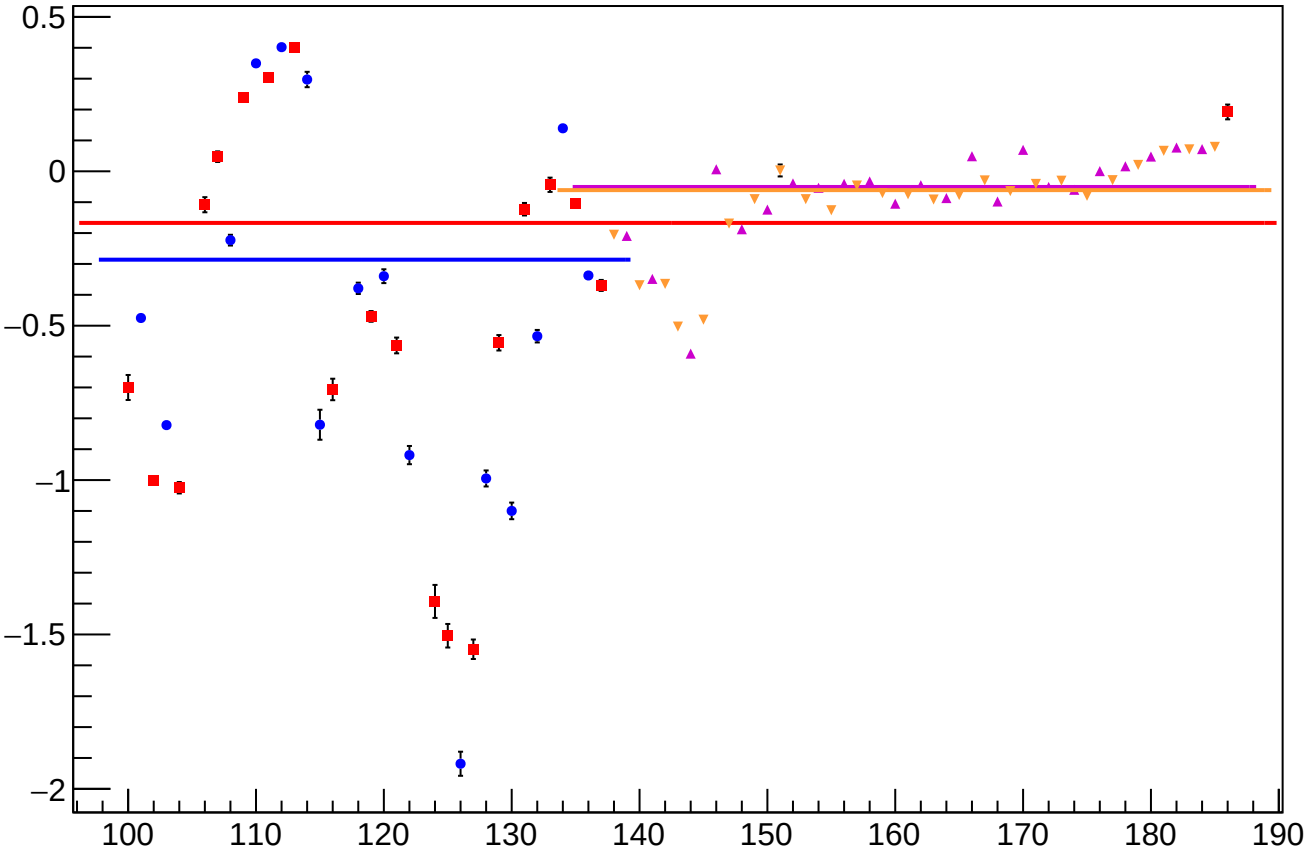
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.668+/-0.048 χ^2/NDF: 6650.5/35

In: -1.236+/-0.032 χ^2/NDF:11184.5/38

Out: -1.340+/-0.032 χ^2/NDF:9155.7/44

All: -1.287+/-0.023 χ^2/NDF: 20345.4/83



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

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

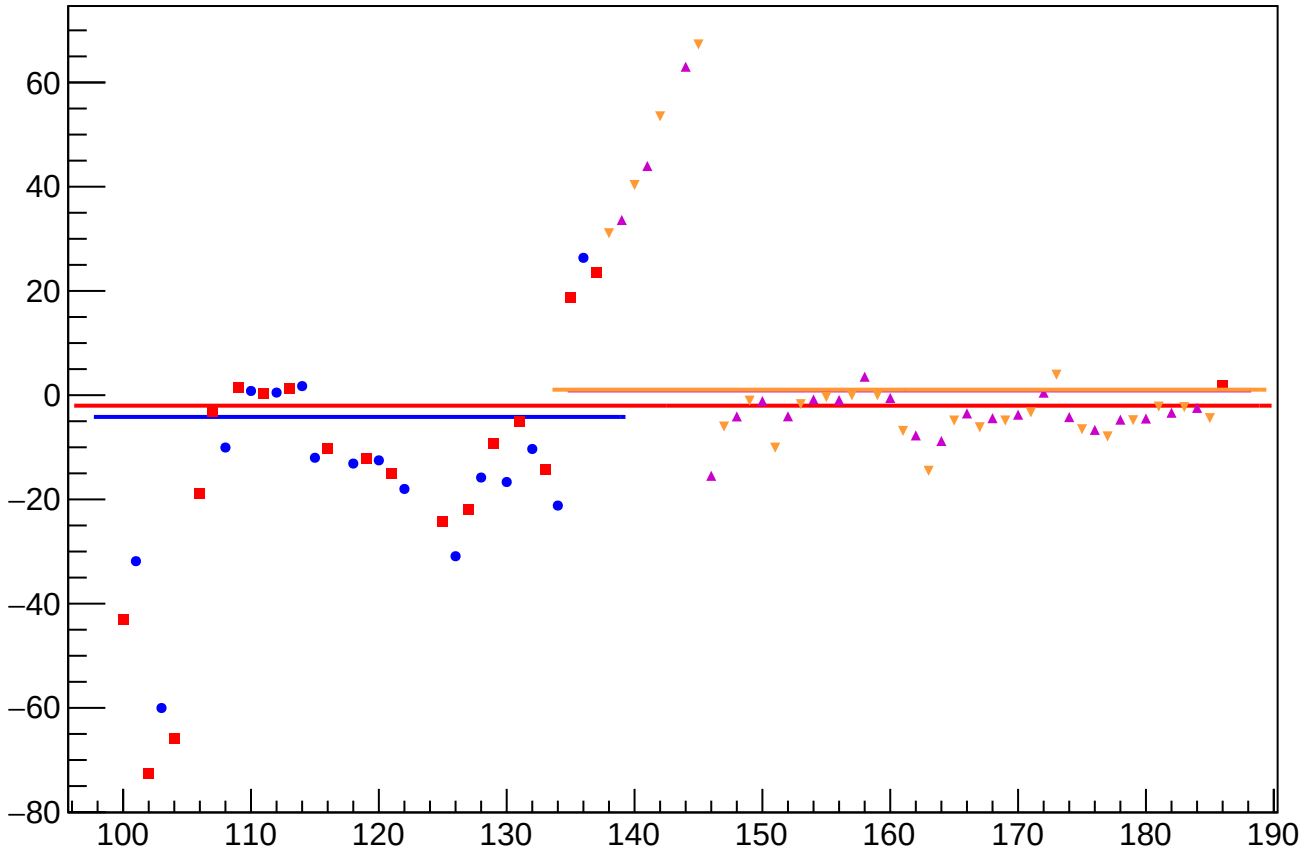
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: -0.221+/-0.003 χ^2/NDF: 26782.4/35

In: -0.078+/-0.001 χ^2/NDF:18917.0/38

Out: -0.077+/-0.002 χ^2/NDF:21109.8/44

All: -0.077+/-0.001 χ^2/NDF: 40027.1/83



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

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

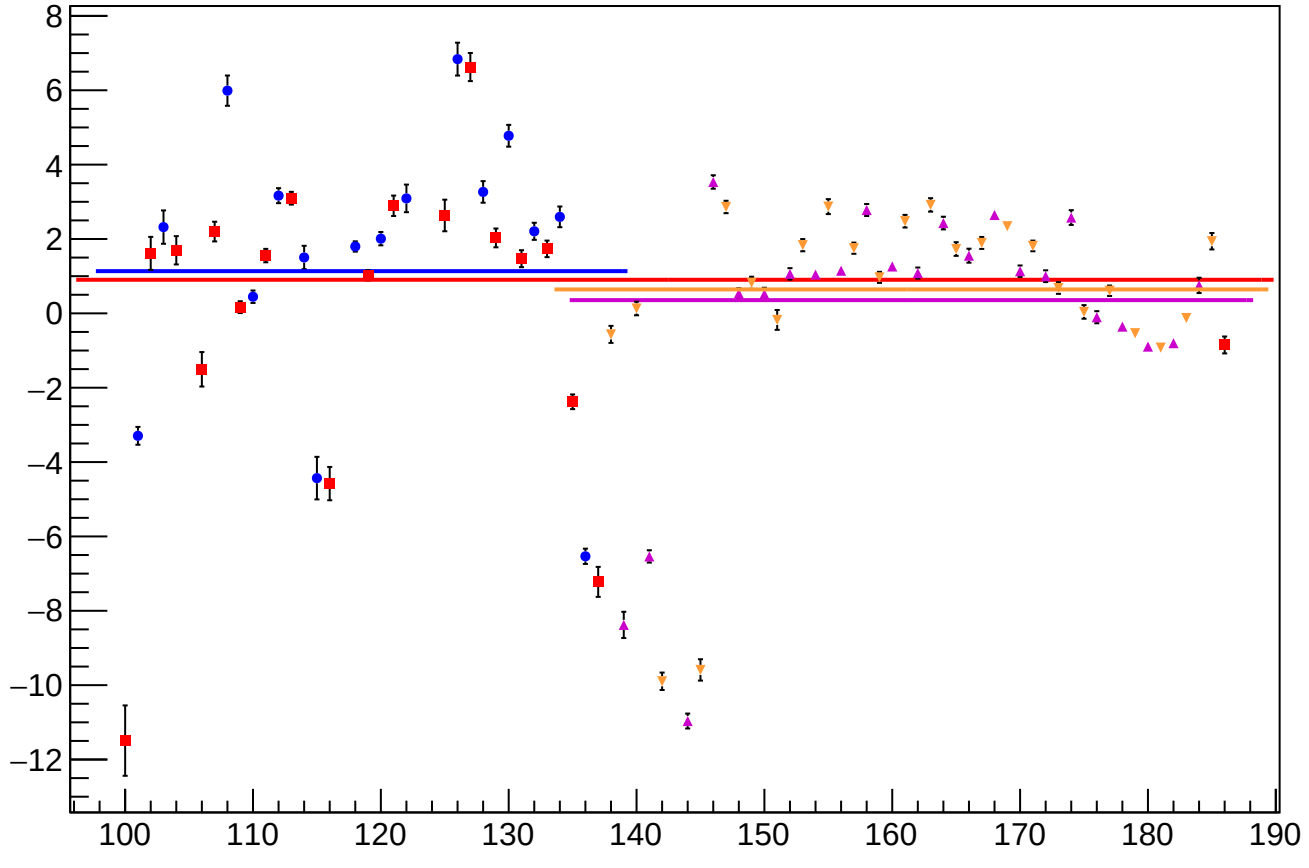
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: -2.882+/-0.035 χ^2/NDF: 156444.2/34

In: -0.859+/-0.032 χ^2/NDF:213886.3/38

Out: -0.334+/-0.030 χ^2/NDF:213725.9/42

All: -0.579+/-0.022 χ^2/NDF: 427755.0/81



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

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

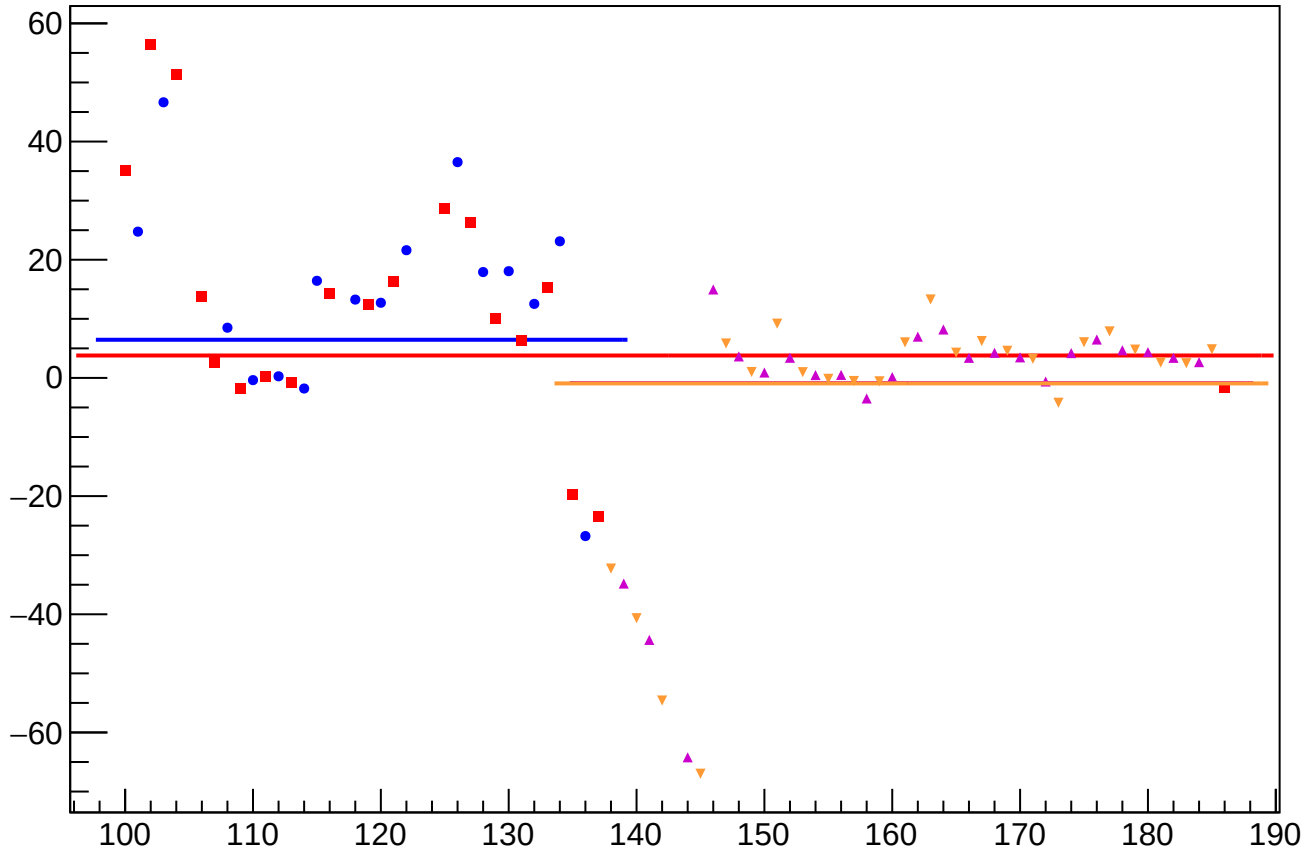
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 1.010+/-0.041 χ^2/NDF: 4260.0/34

In: 0.522+/-0.028 χ^2/NDF:9844.8/38

Out: 0.712+/-0.028 χ^2/NDF:6383.4/42

All: 0.615+/-0.020 χ^2/NDF: 16251.2/81



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

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

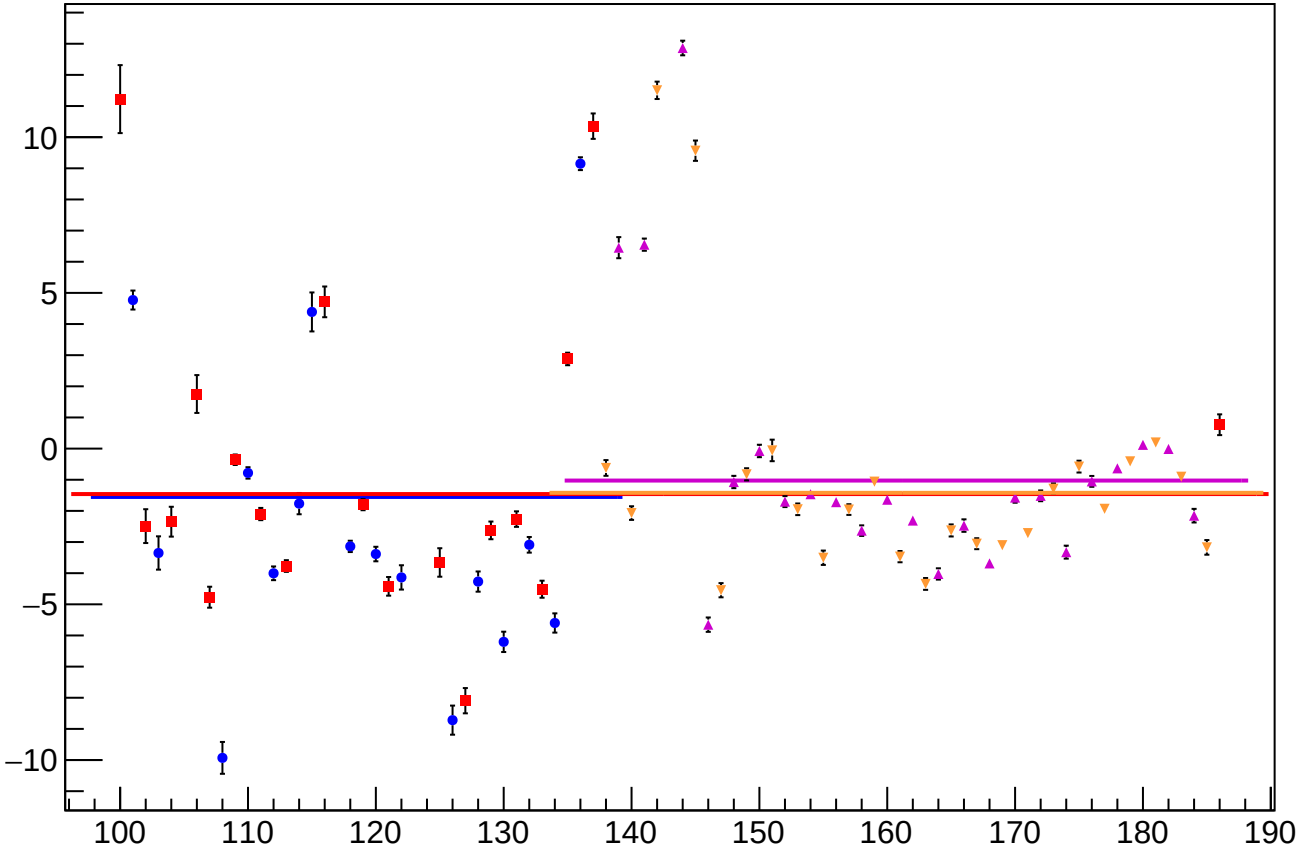
Right: 4.902+/-0.042 χ^2/NDF: 147780.0/34

In: 1.096+/-0.034 χ^2/NDF:209576.8/38

Out: 0.742+/-0.033 χ^2/NDF:207187.7/42

All: 0.913+/-0.023 χ^2/NDF: 416821.6/81

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.420+/-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

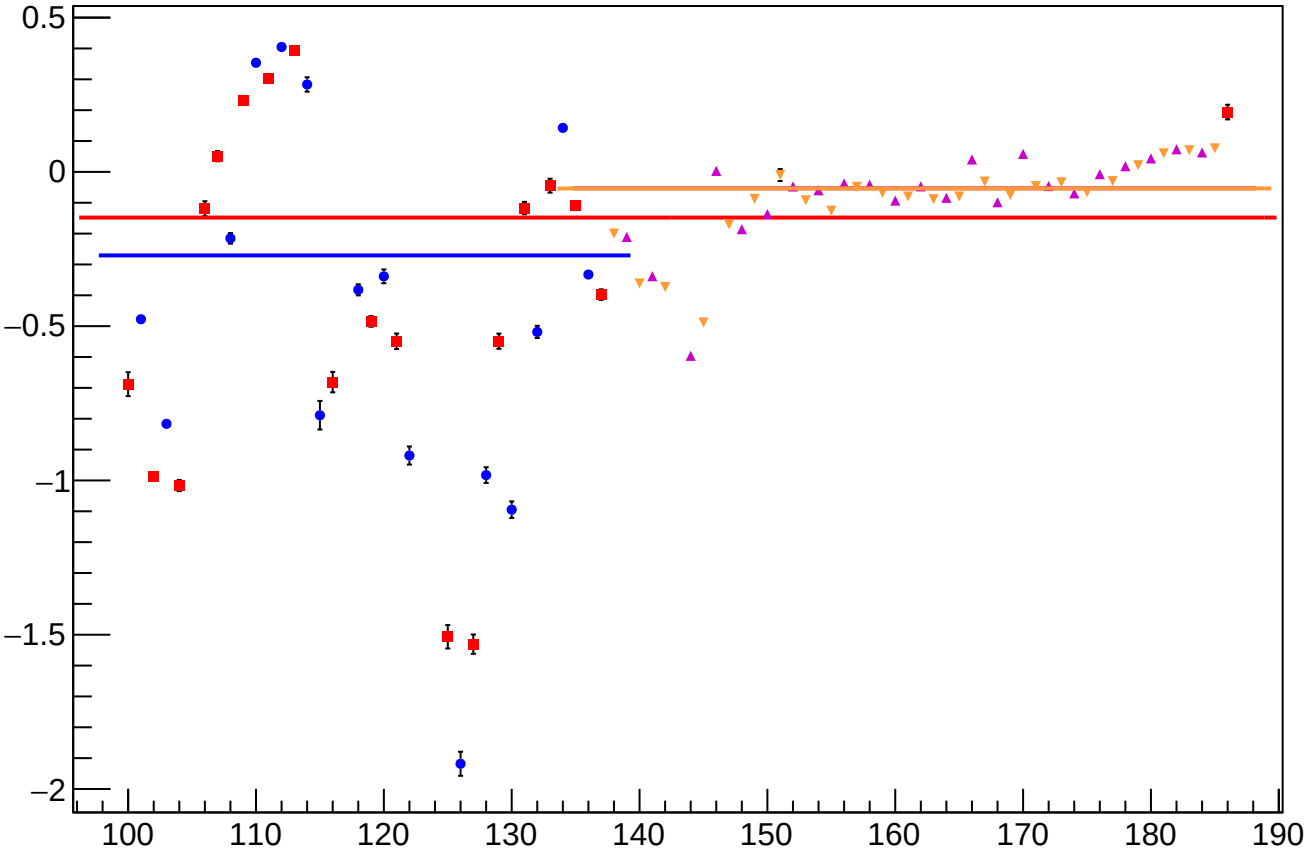
Right: -1.502+/-0.047 χ^2/NDF: 7063.8/34

In: -1.131+/-0.031 χ^2/NDF:11636.6/38

Out: -1.430+/-0.032 χ^2/NDF:7161.5/42

All: -1.277+/-0.022 χ^2/NDF: 18843.4/81

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.054+/-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

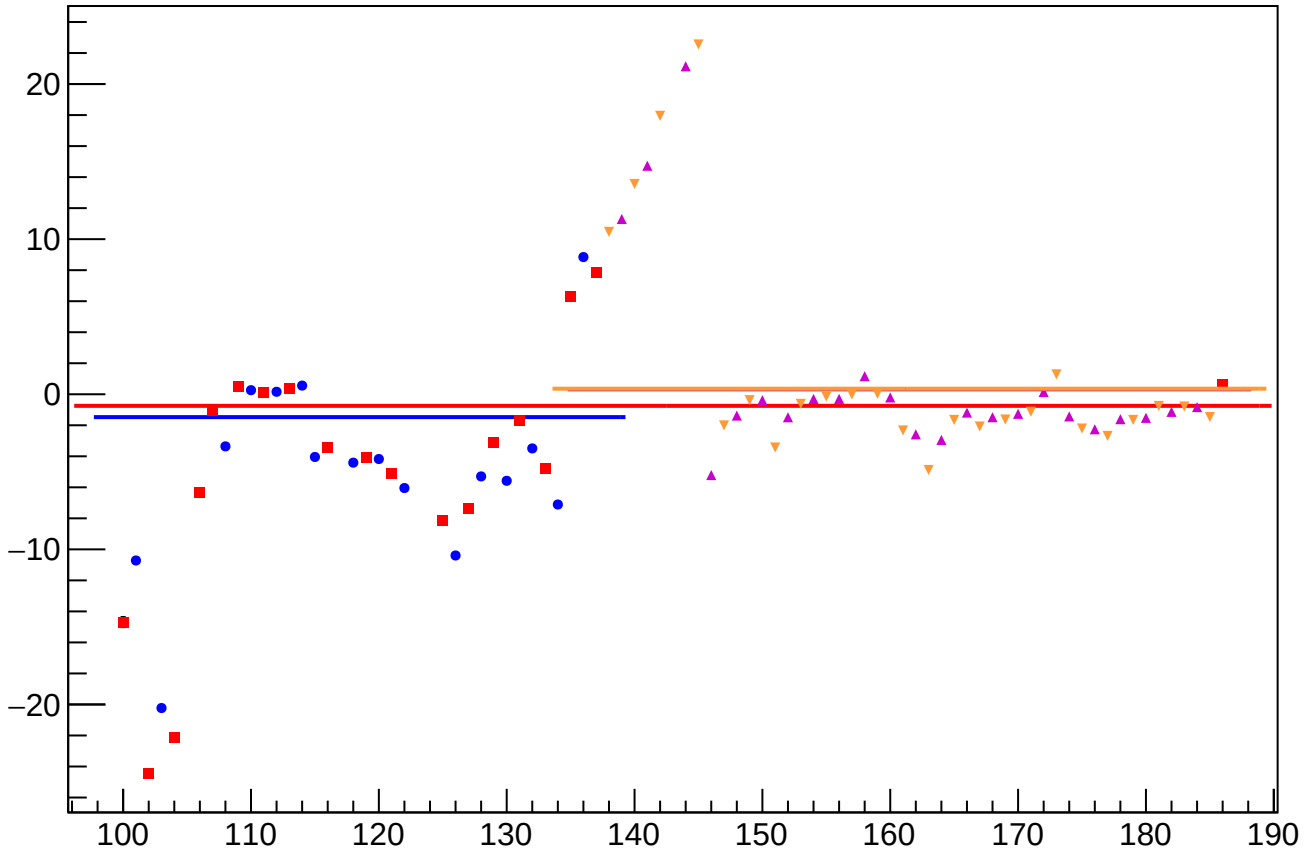
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: -0.203+/-0.003 χ^2/NDF: 27810.4/34

In: -0.078+/-0.001 χ^2/NDF:19549.0/38

Out: -0.068+/-0.001 χ^2/NDF:20108.8/42

All: -0.073+/-0.001 χ^2/NDF: 39681.4/81



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

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

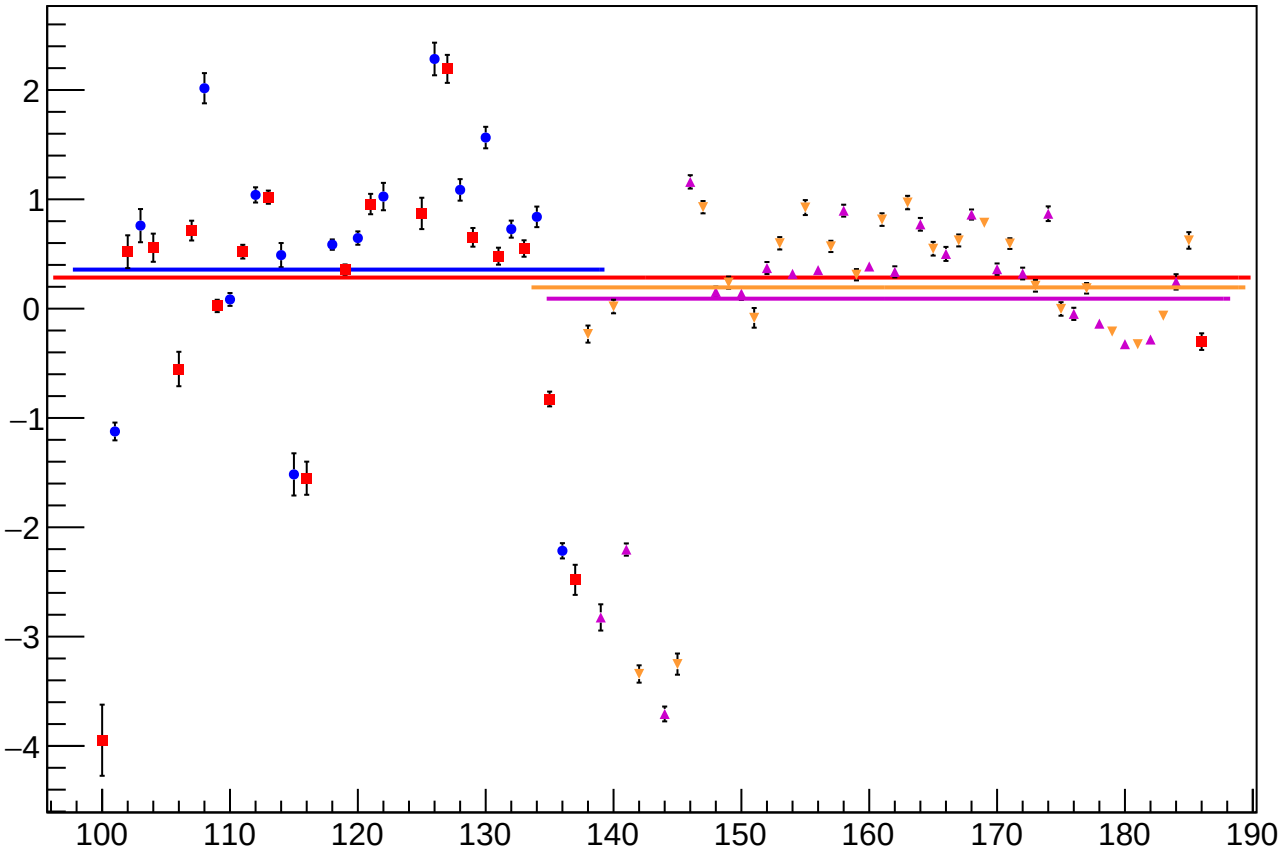
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -1.042+/-0.012 χ^2/NDF: 153149.9/34

In: -0.303+/-0.011 χ^2/NDF:209918.5/38

Out: -0.132+/-0.010 χ^2/NDF:210181.7/42

All: -0.212+/-0.008 χ^2/NDF: 420228.3/81



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

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

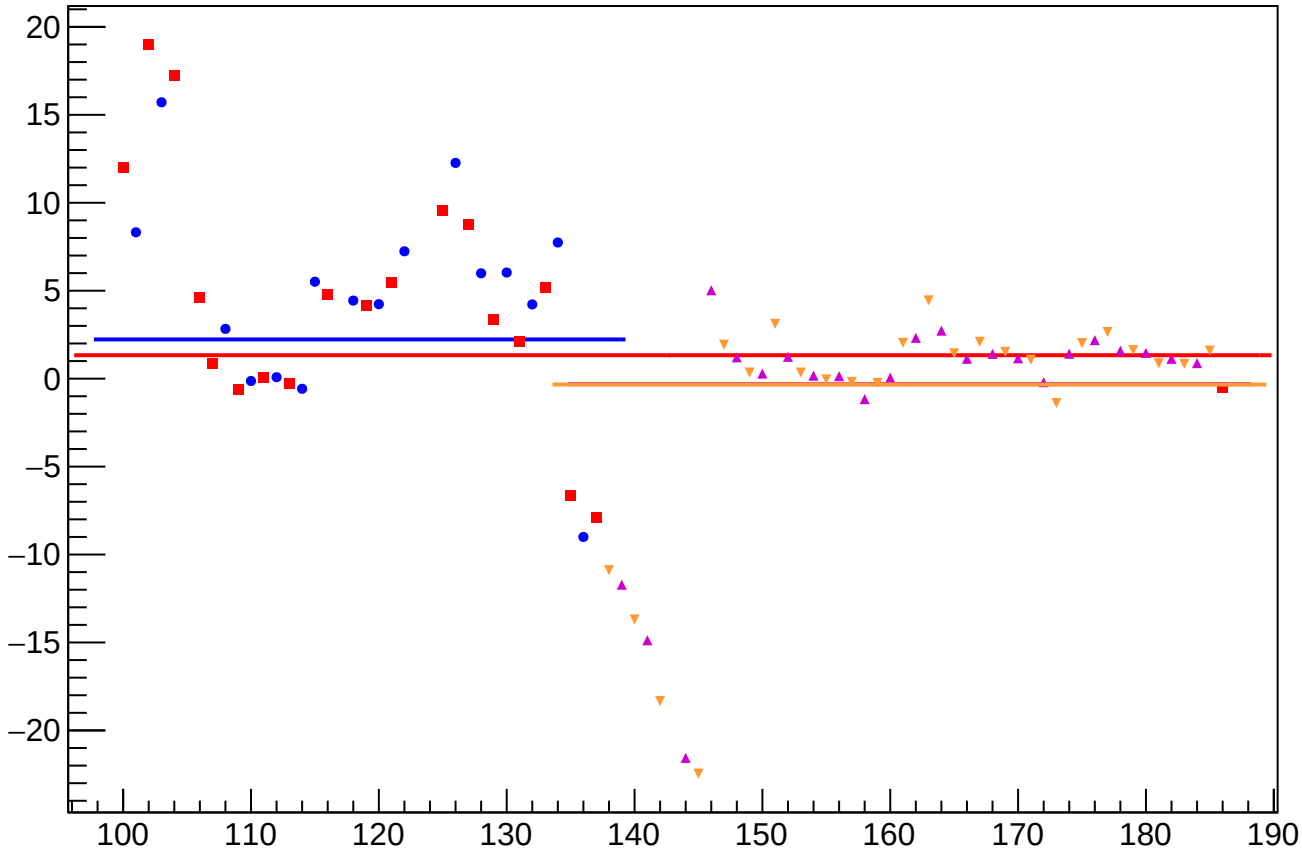
Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

Right: 0.318+/-0.014 χ^2/NDF: 4172.1/34

In: 0.148+/-0.010 χ^2/NDF:9610.8/38

Out: 0.218+/-0.010 χ^2/NDF:6283.8/42

All: 0.182+/-0.007 χ^2/NDF: 15920.8/81



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

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

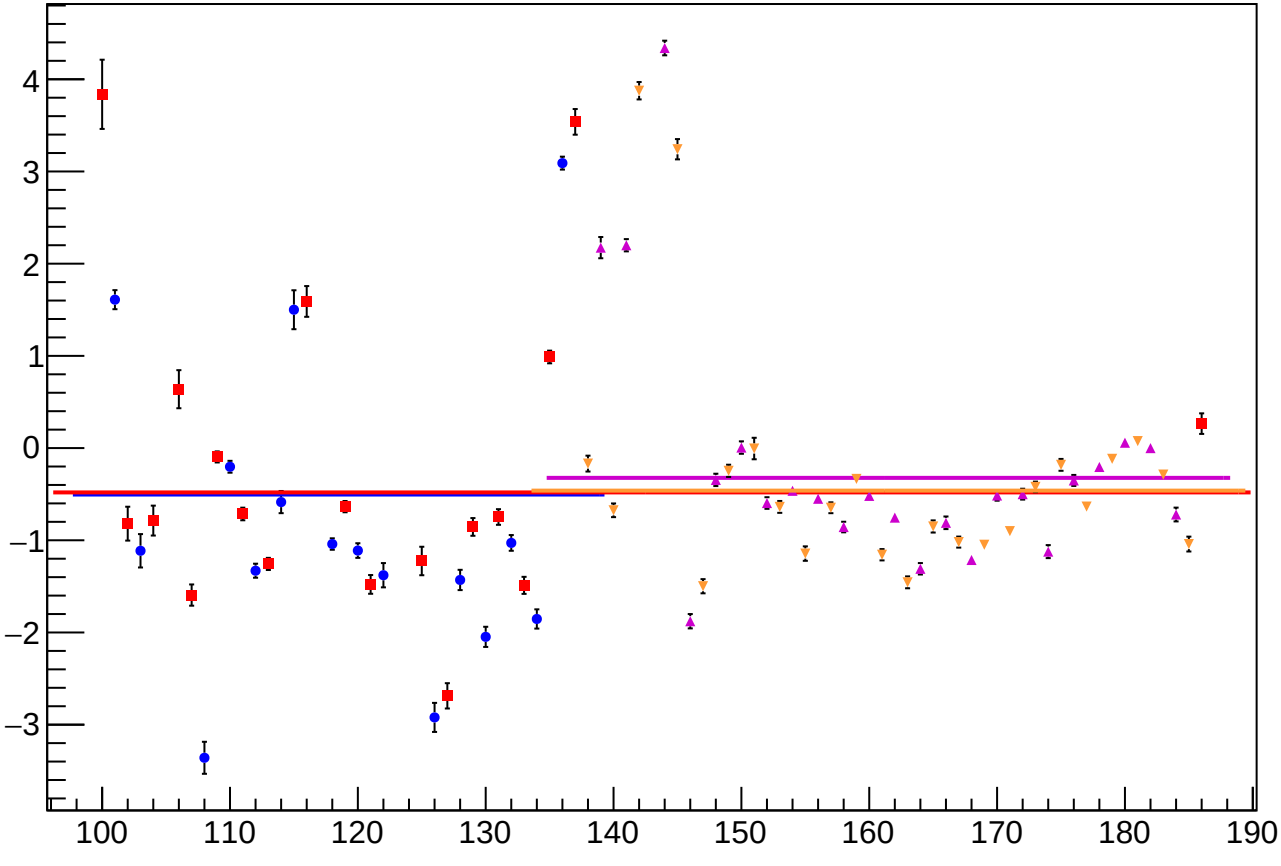
Right: 1.708+/-0.014 χ^2/NDF: 144623.8/34

In: 0.367+/-0.012 χ^2/NDF:205748.1/38

Out: 0.251+/-0.011 χ^2/NDF:203782.9/42

All: 0.307+/-0.008 χ^2/NDF: 409582.9/81

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.462+/-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

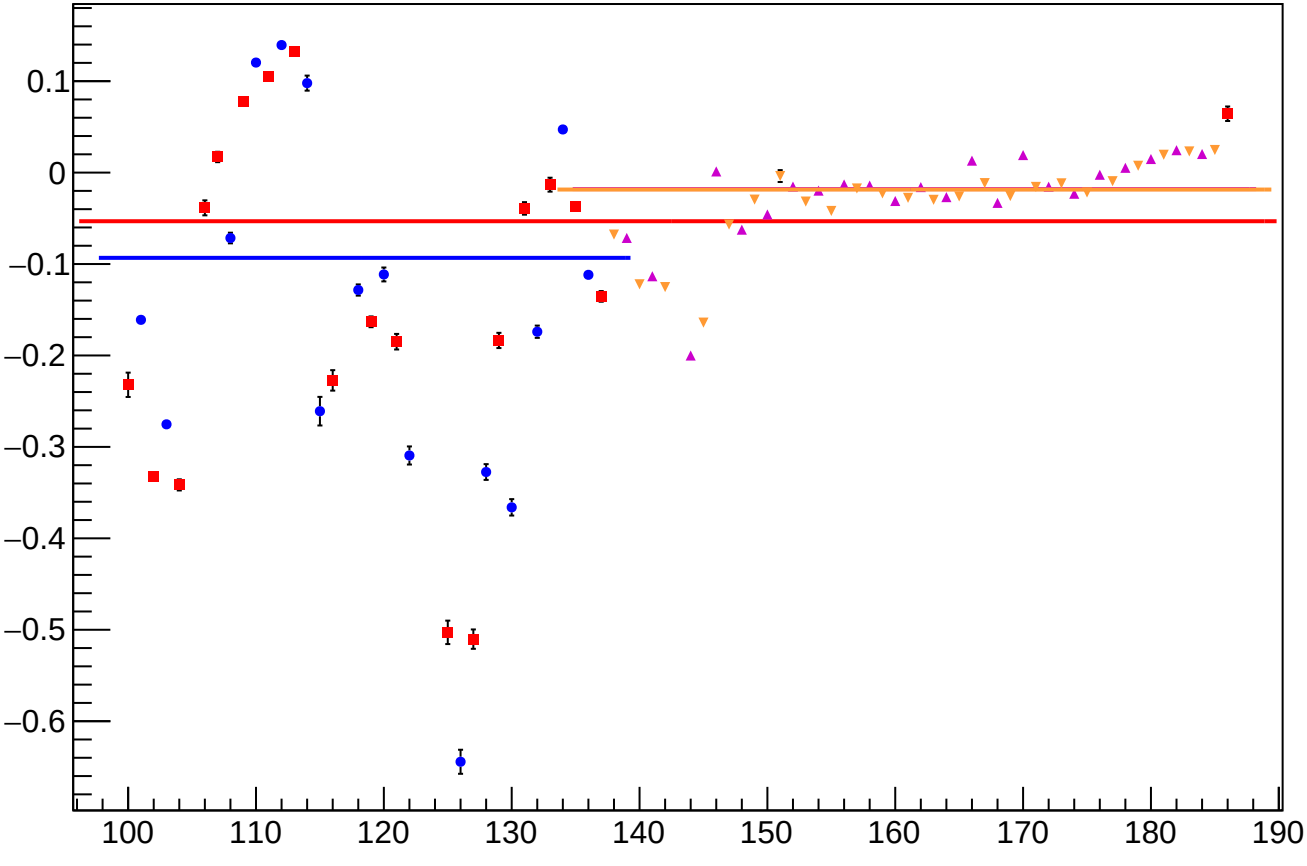
Right: -0.491+/-0.016 χ^2/NDF: 6918.2/34

In: -0.359+/-0.011 χ^2/NDF:11375.4/38

Out: -0.466+/-0.011 χ^2/NDF:7051.1/42

All: -0.412+/-0.008 χ^2/NDF: 18475.9/81

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.019+/-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

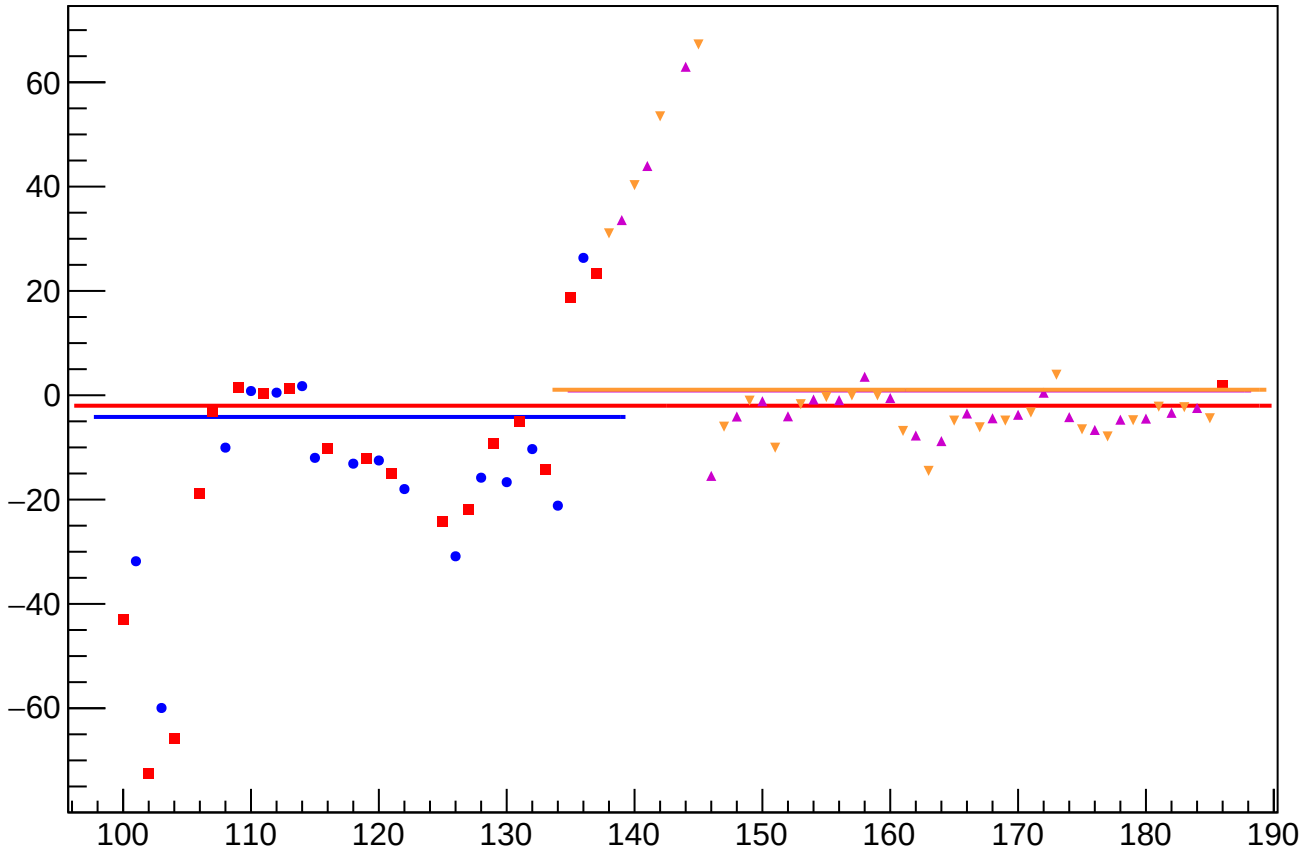
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: -0.071+/-0.001 χ^2/NDF: 26863.3/34

In: -0.027+/-0.000 χ^2/NDF:19123.3/38

Out: -0.024+/-0.001 χ^2/NDF:19523.0/42

All: -0.025+/-0.000 χ^2/NDF: 38664.0/81



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

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

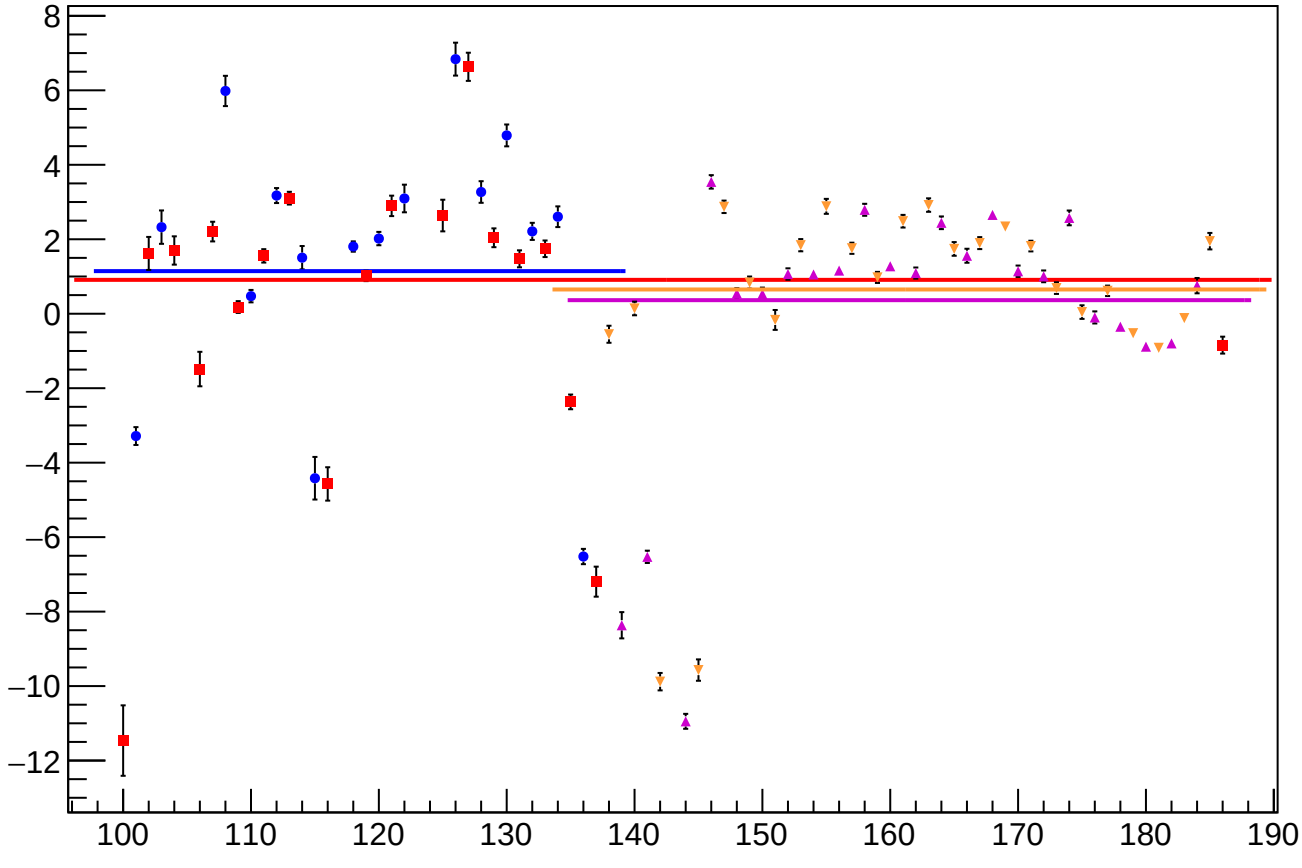
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: -2.871+/-0.034 χ^2/NDF: 156481.5/34

In: -0.854+/-0.032 χ^2/NDF:213908.8/38

Out: -0.328+/-0.030 χ^2/NDF:213716.5/42

All: -0.573+/-0.022 χ^2/NDF: 427768.3/81



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

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

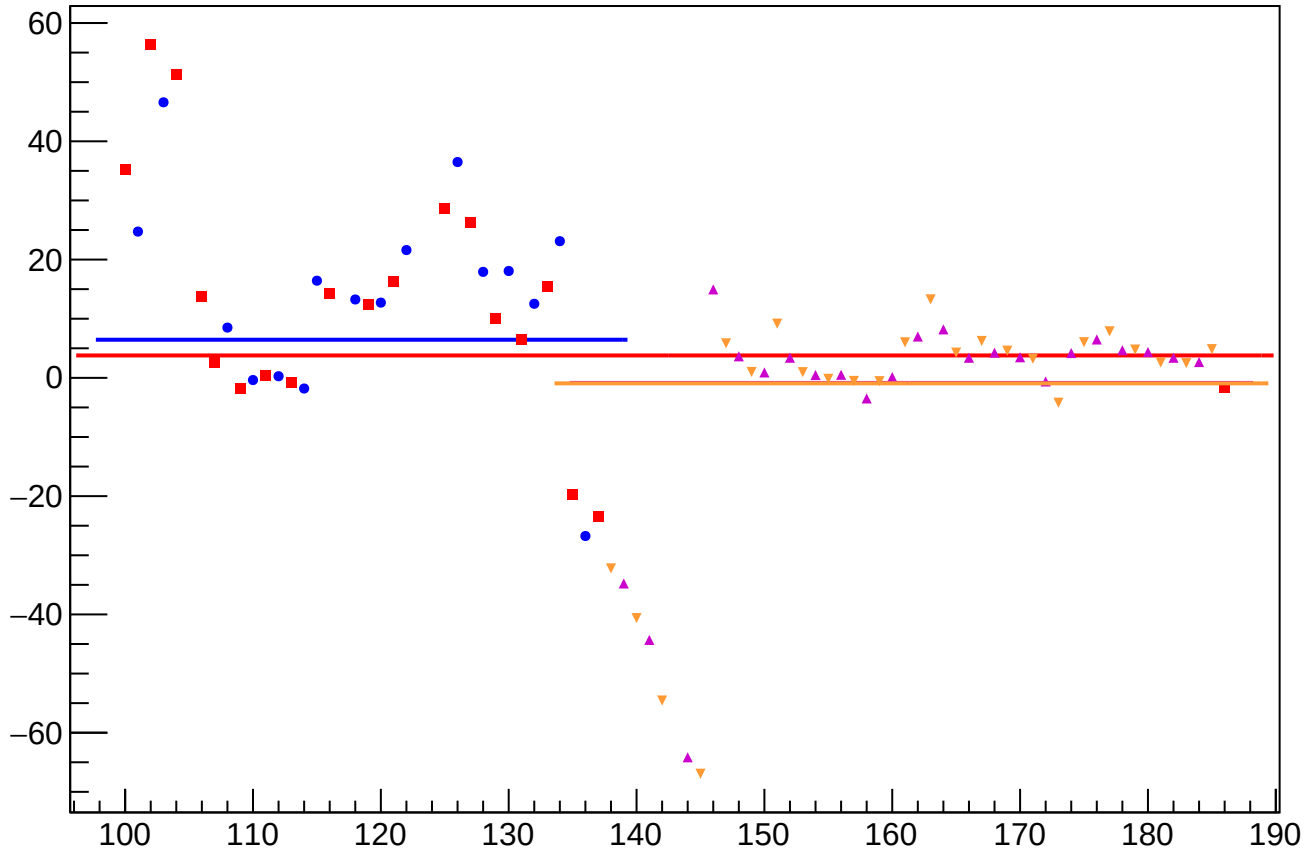
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 1.018+/-0.041 χ^2/NDF: 4257.9/34

In: 0.531+/-0.028 χ^2/NDF:9850.1/38

Out: 0.720+/-0.028 χ^2/NDF:6379.3/42

All: 0.623+/-0.020 χ^2/NDF: 16252.0/81



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

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

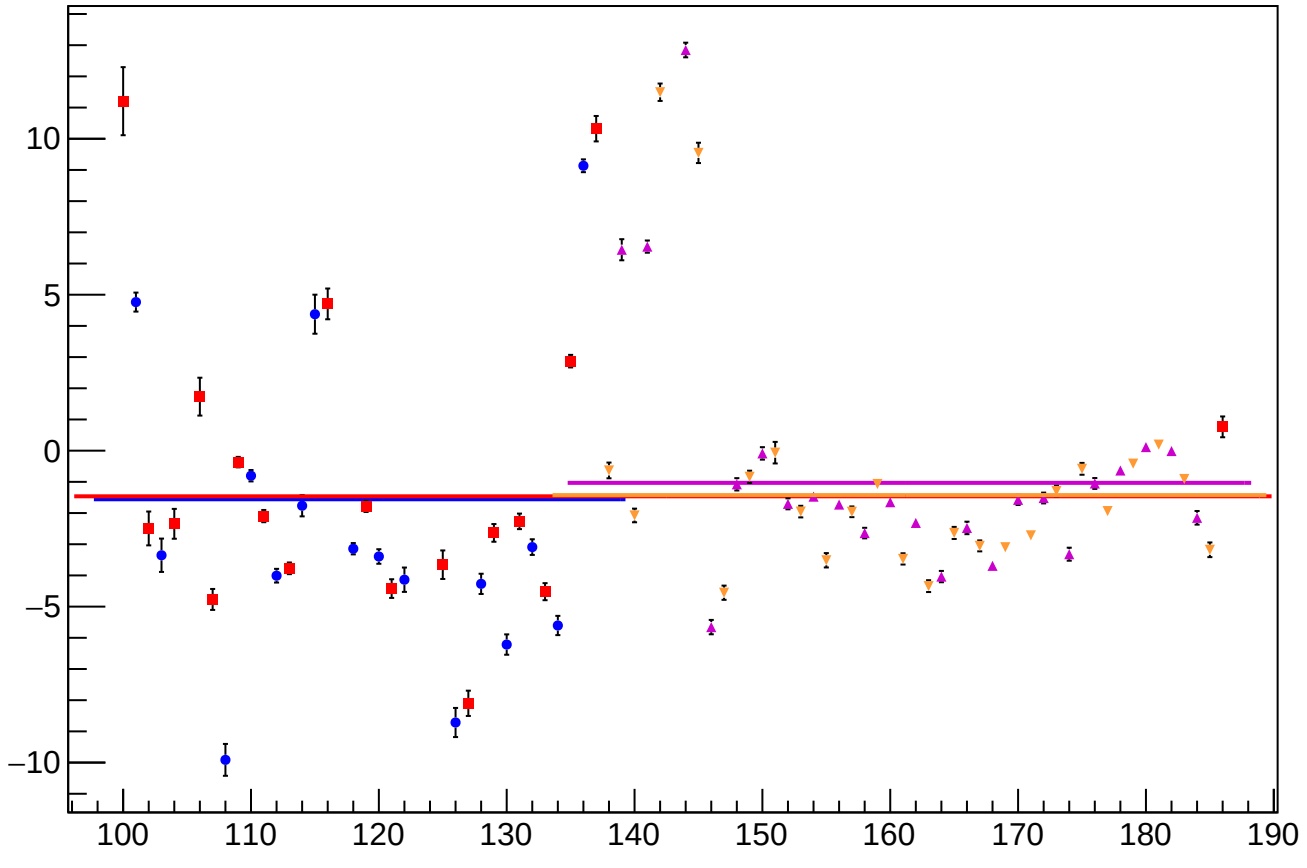
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: 4.896+/-0.042 χ^2/NDF: 147804.6/34

In: 1.096+/-0.034 χ^2/NDF:209591.6/38

Out: 0.742+/-0.033 χ^2/NDF:207173.0/42

All: 0.914+/-0.023 χ^2/NDF: 416821.8/81



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

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

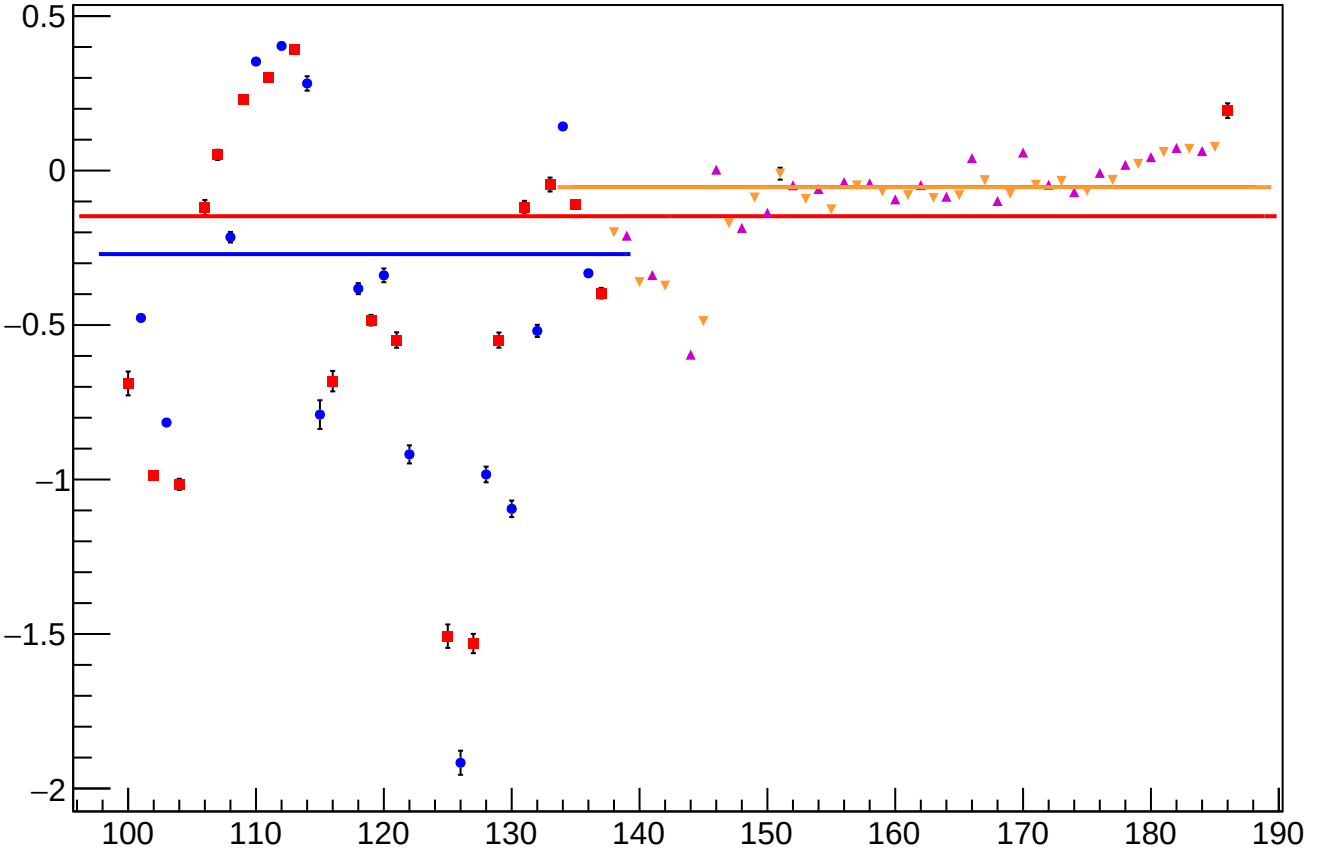
Right: -1.507+/-0.047 χ^2/NDF: 7060.4/34

In: -1.138+/-0.031 χ^2/NDF:11640.6/38

Out: -1.434+/-0.032 χ^2/NDF:7156.1/42

All: -1.283+/-0.022 χ^2/NDF: 18841.5/81

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.054+/-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

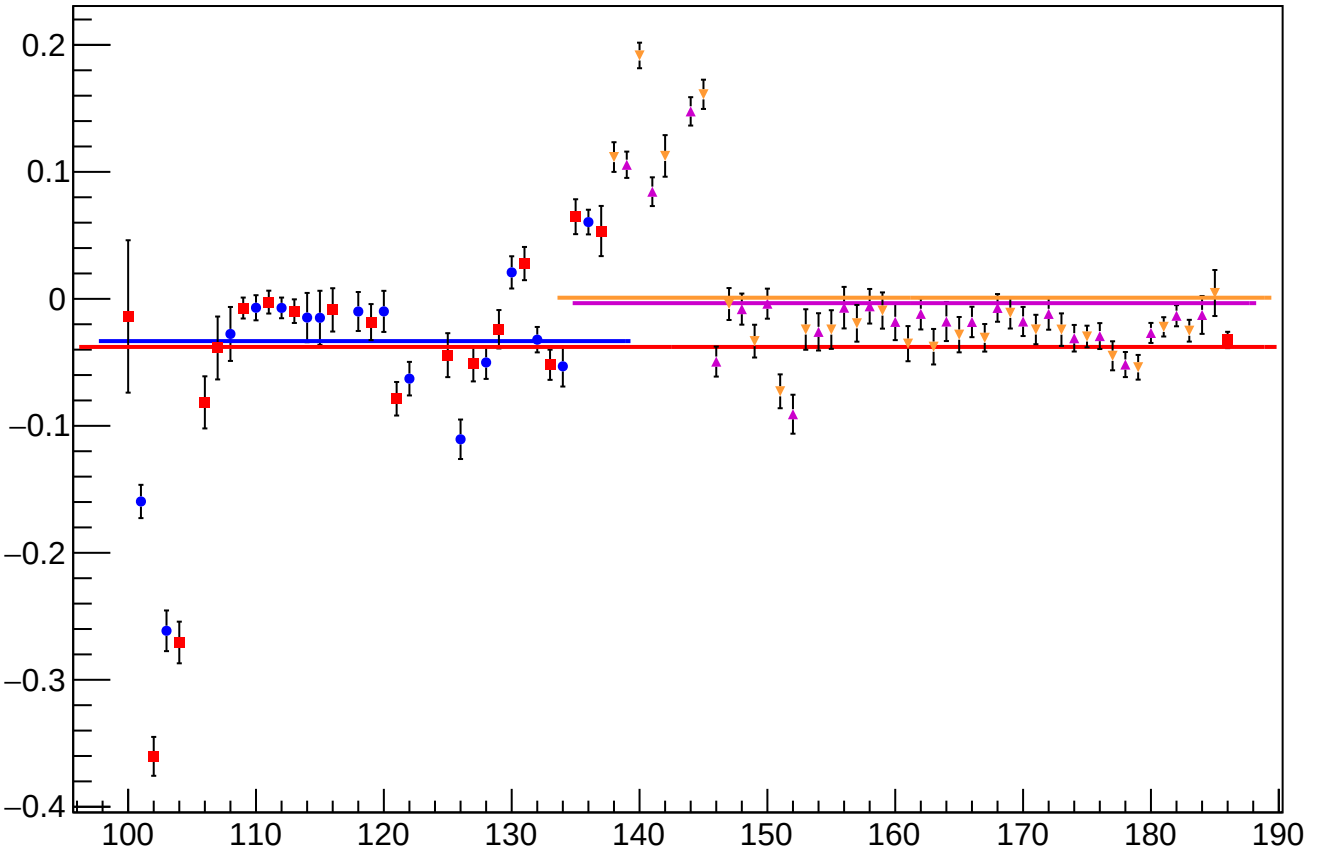
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: -0.203+/-0.003 χ^2/NDF: 27822.7/34

In: -0.078+/-0.001 χ^2/NDF:19551.5/38

Out: -0.068+/-0.001 χ^2/NDF:20119.7/42

All: -0.073+/-0.001 χ^2/NDF: 39695.3/81



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

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

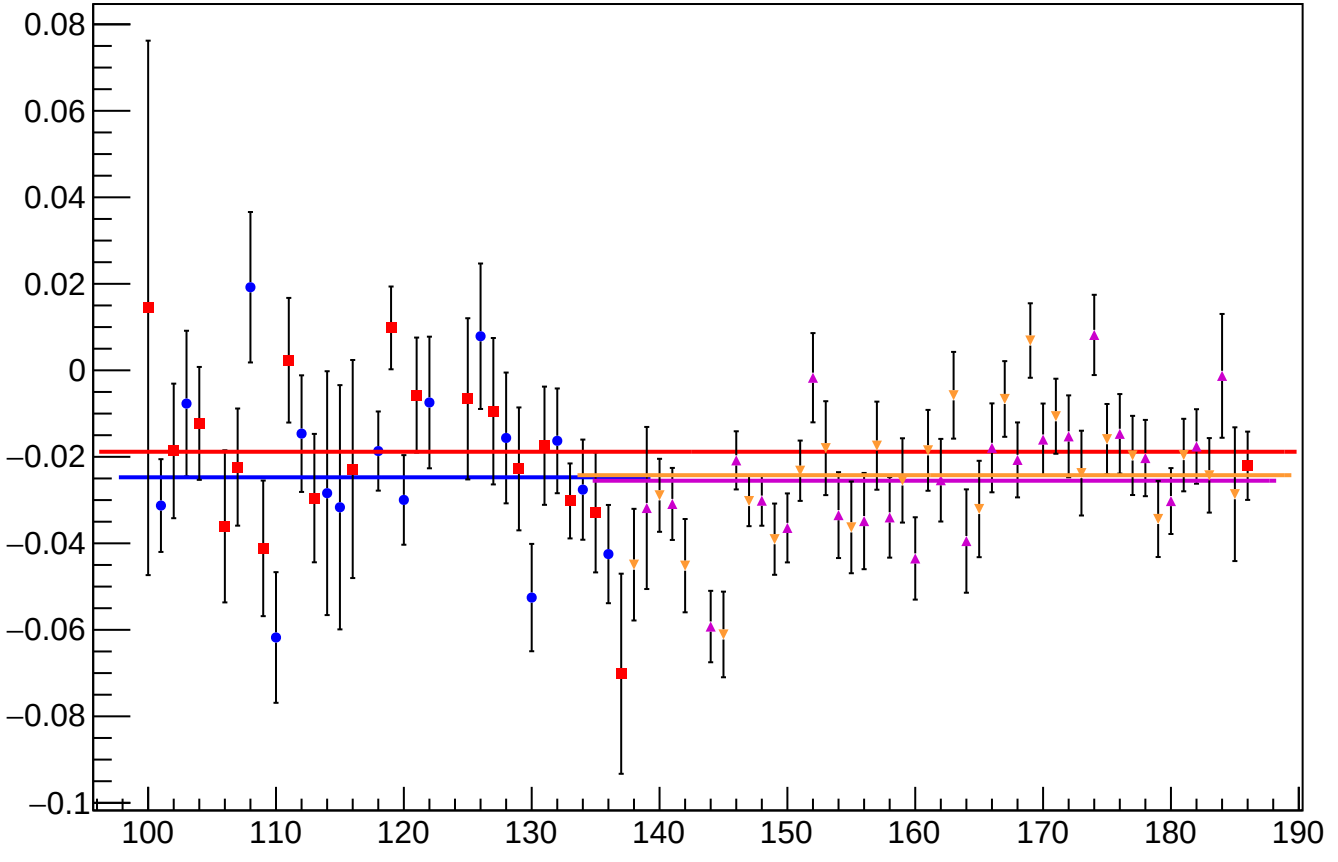
Right: -0.036+/-0.002 χ^2/NDF: 1273.1/34

In: -0.014+/-0.002 χ^2/NDF:976.8/38

Out: -0.015+/-0.002 χ^2/NDF:1766.6/42

All: -0.015+/-0.001 χ^2/NDF: 2743.6/81

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-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

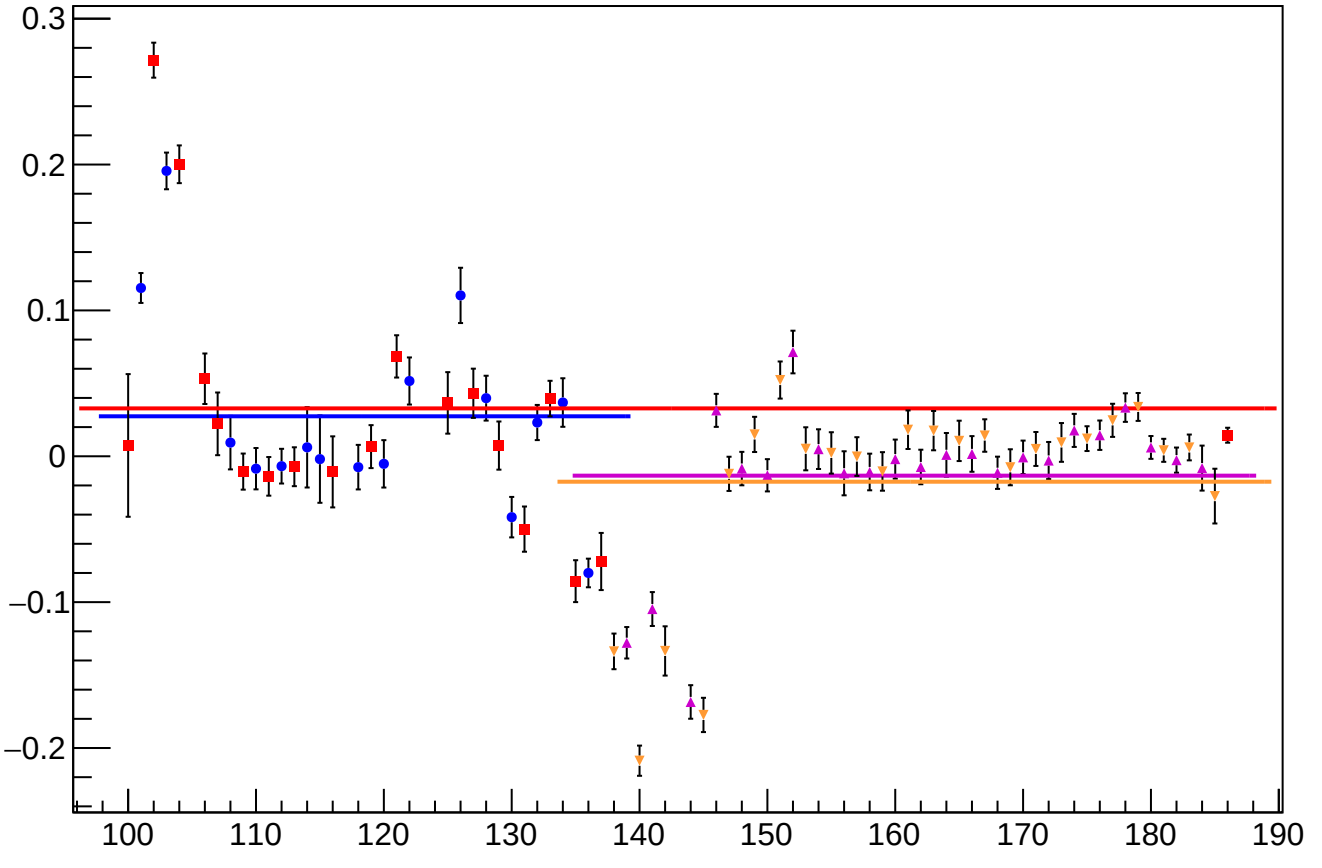
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

Right: -0.022+/-0.002 χ^2/NDF: 55.1/34

In: -0.025+/-0.002 χ^2/NDF:83.6/38

Out: -0.023+/-0.002 χ^2/NDF:80.9/42

All: -0.024+/-0.001 χ^2/NDF: 165.7/81



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

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

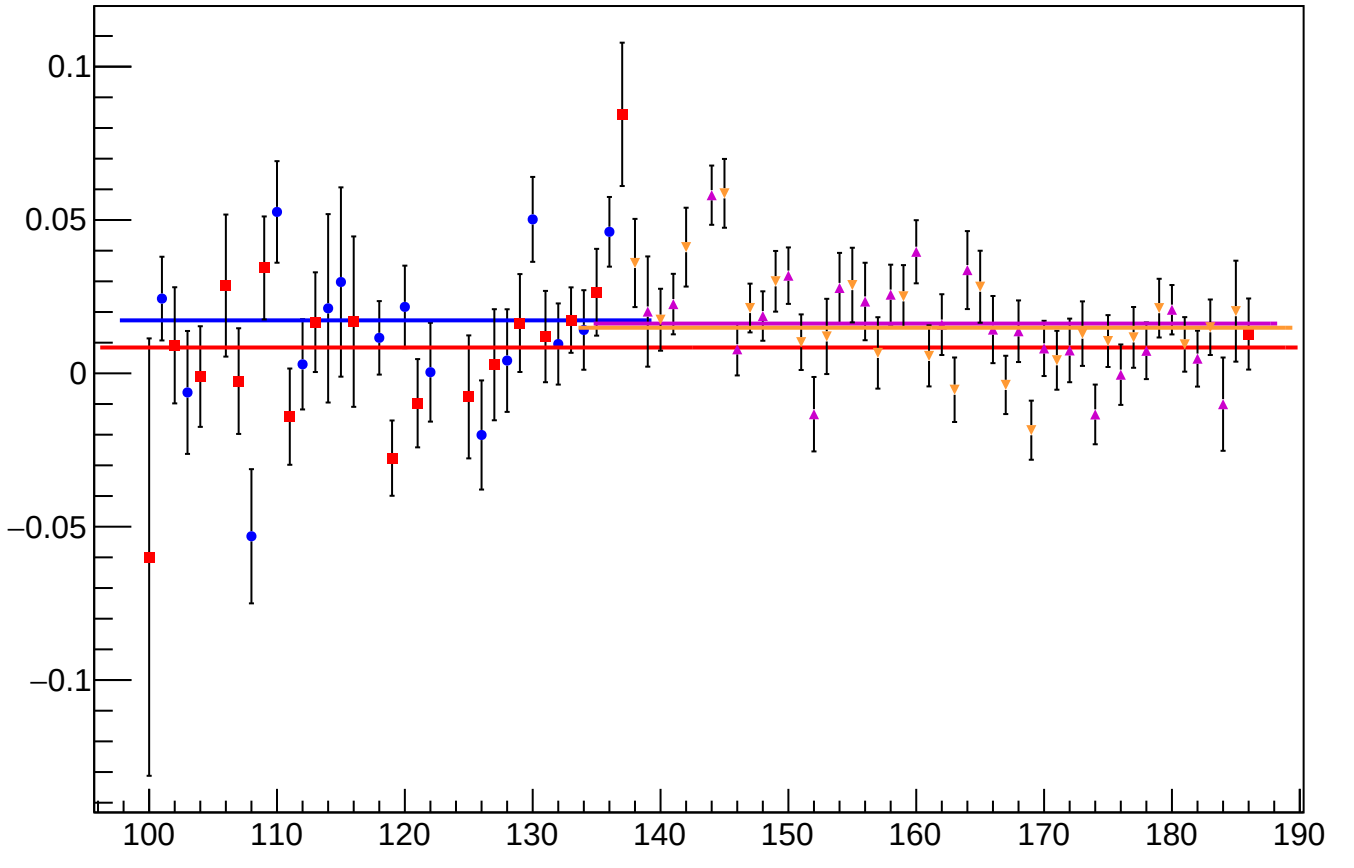
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

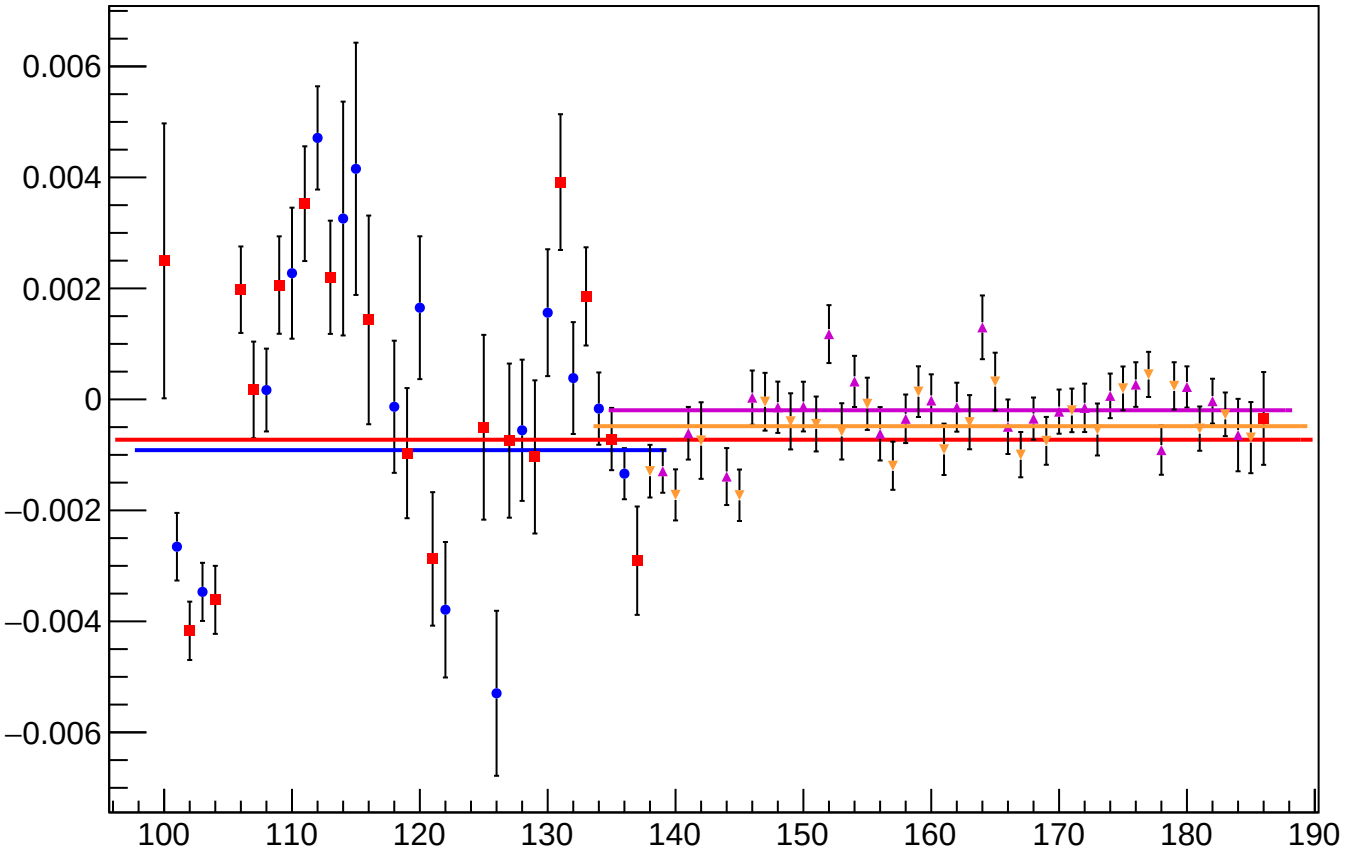
Right: 0.031+/-0.002 χ^2/NDF: 1200.0/34

In: -0.001+/-0.002 χ^2/NDF:994.4/38

Out: 0.002+/-0.002 χ^2/NDF:1739.3/42

All: 0.001+/-0.001 χ^2/NDF: 2734.8/81


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.008+/-0.004 χ²/NDF: 31.5/18
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.003 χ²/NDF: 71.0/34
In: 0.016+/-0.002 χ²/NDF:94.7/38
Out: 0.013+/-0.002 χ²/NDF:85.9/42
All: 0.015+/-0.001 χ²/NDF: 182.1/81



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

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

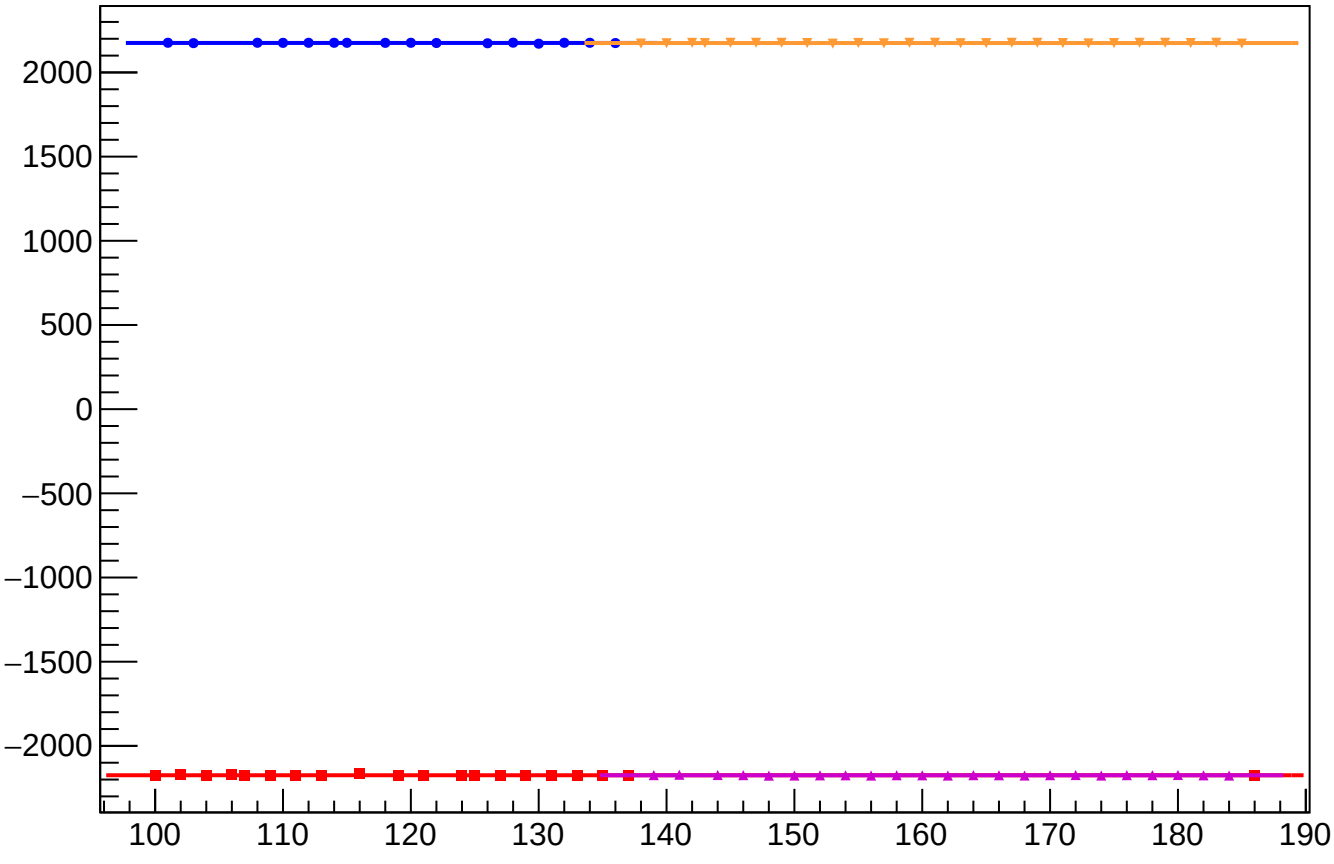
Right: -0.001+/-0.000 χ^2/NDF: 262.3/34

In: -0.000+/-0.000 χ^2/NDF:160.9/38

Out: -0.001+/-0.000 χ^2/NDF:189.8/42

All: -0.000+/-0.000 χ^2/NDF: 353.8/81

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

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

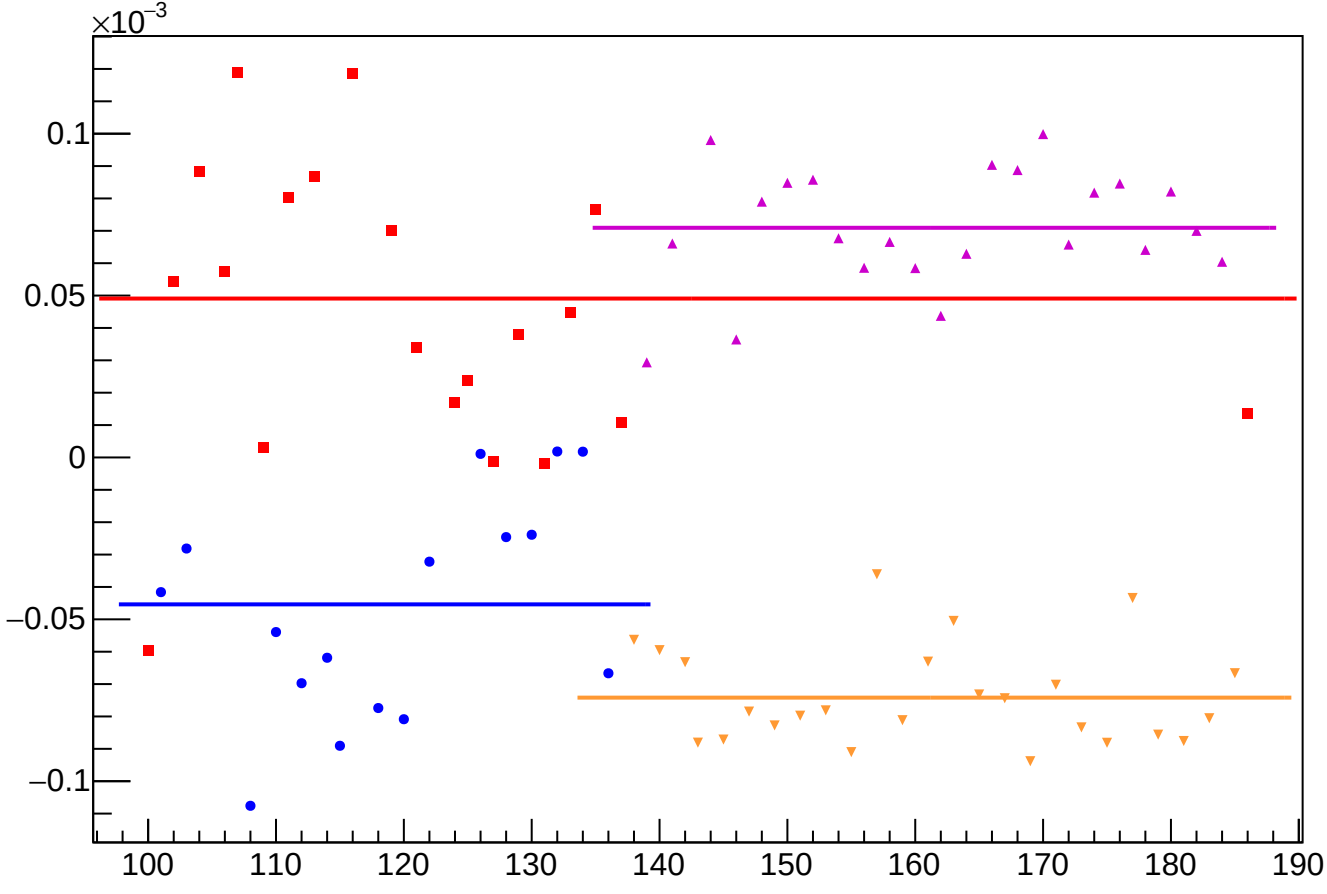
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right: -89.644+/-0.000 χ^2/NDF: 729977285431750

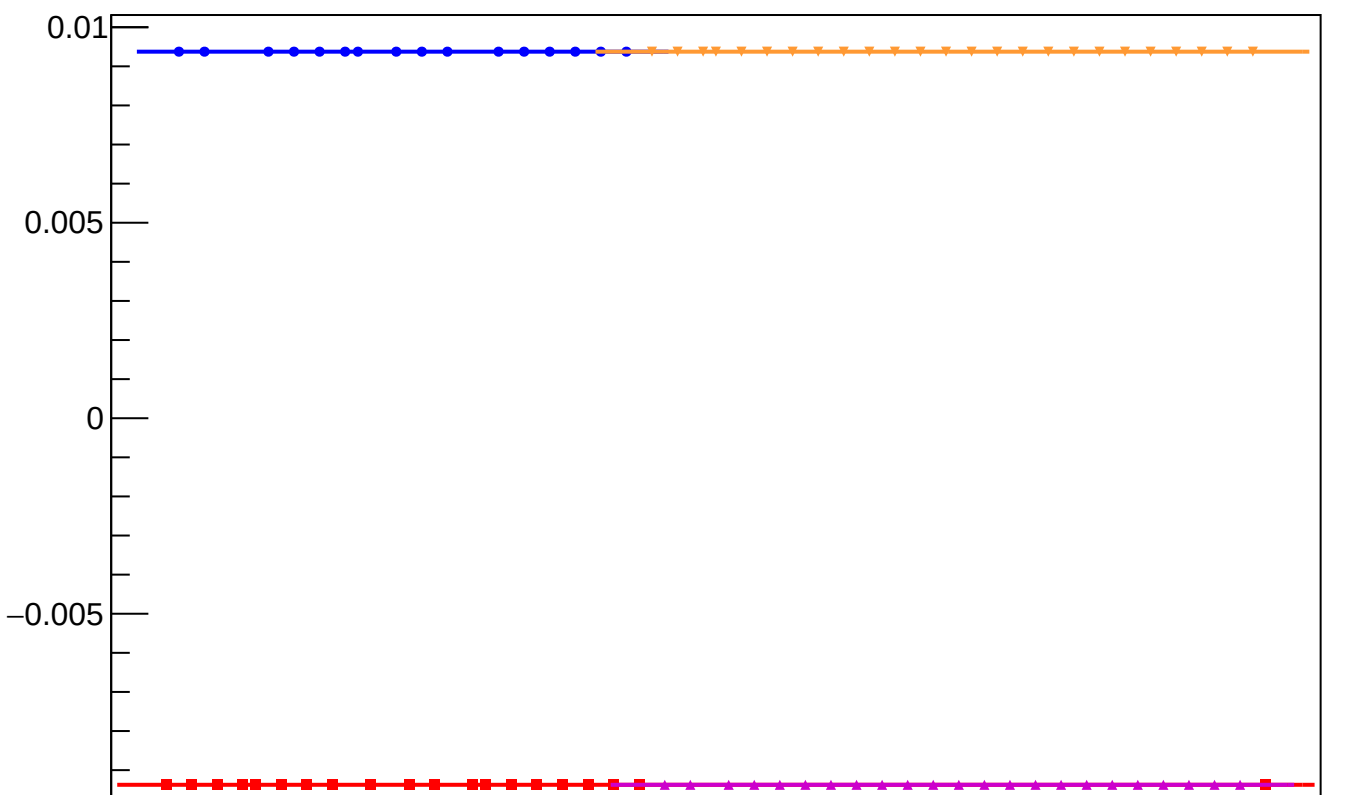
In: -956.899+/-0.000 χ^2/NDF:100953477137274

Out: 934.472+/-0.000 χ^2/NDF:108842718452131

All: 19.214+/-0.000 χ^2/NDF: 258664789645


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: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1067731998674944895483904.0/19
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: 52234997676046893
In: 0.000+/-0.000 χ²/NDF:856262858819397420
Out: -0.000+/-0.000 χ²/NDF:10283209996334027
All: -0.000+/-0.000 χ²/NDF: 2703160471765

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

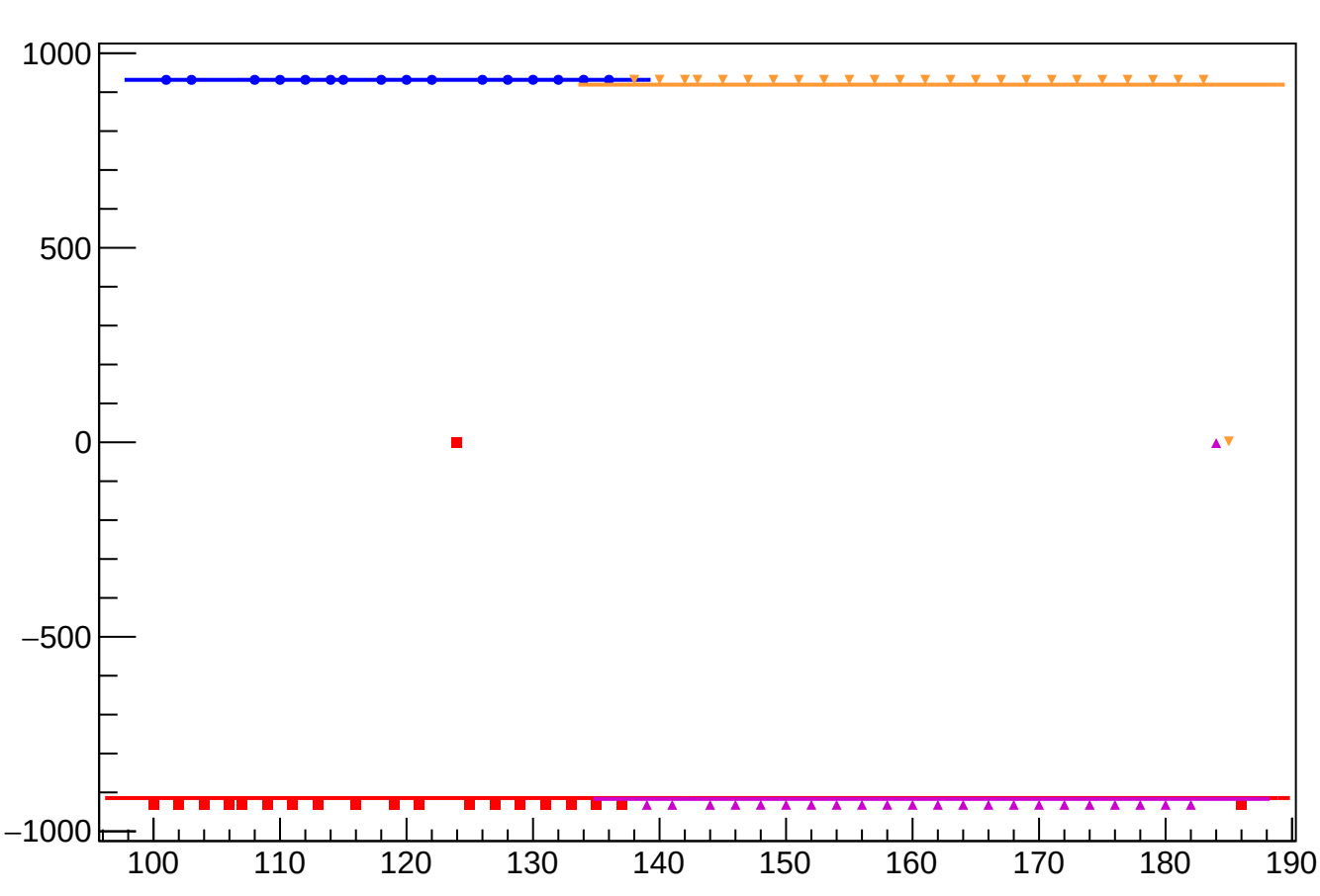
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

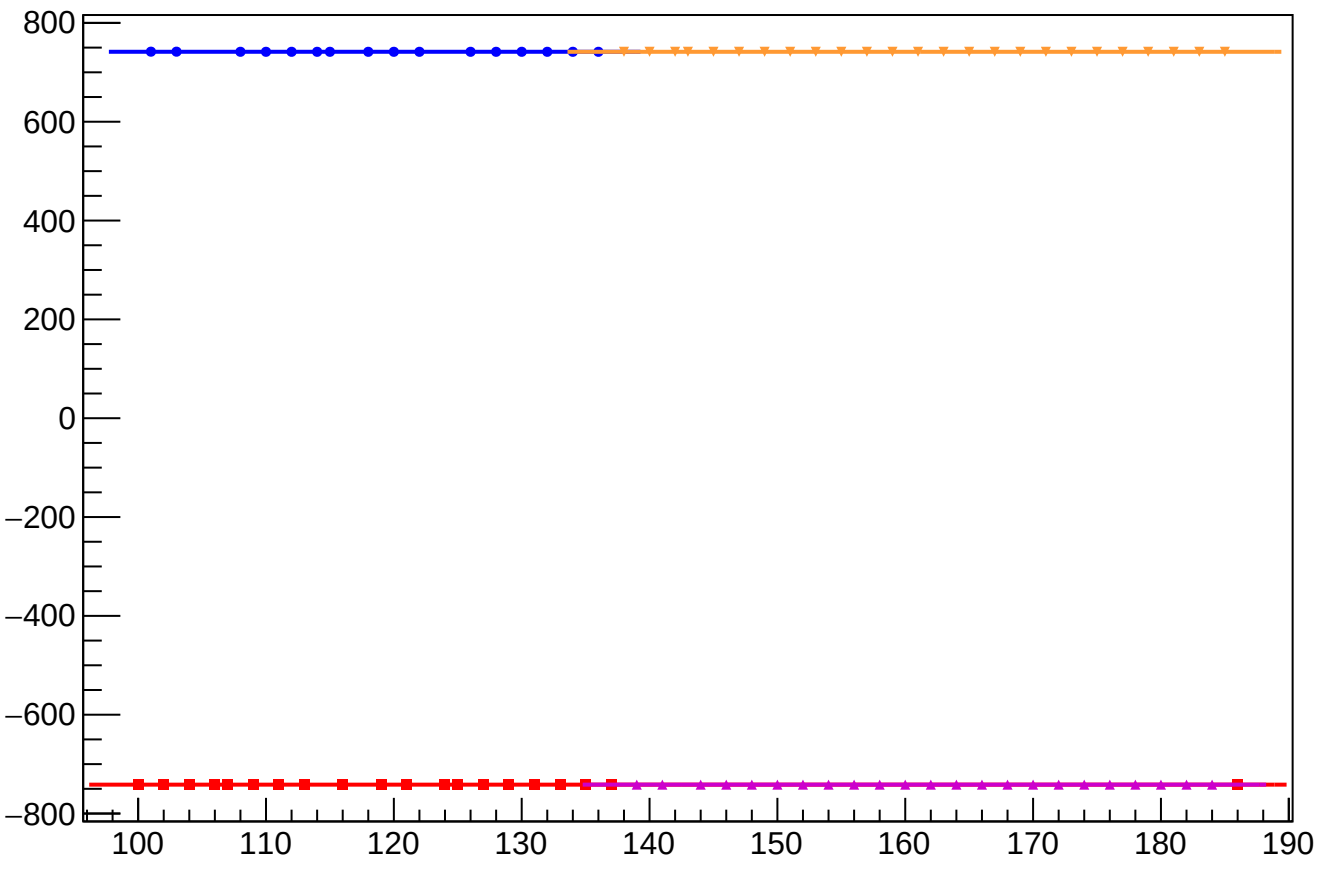
Right: -0.000+/-0.000 χ^2/NDF: 1356460472590555

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

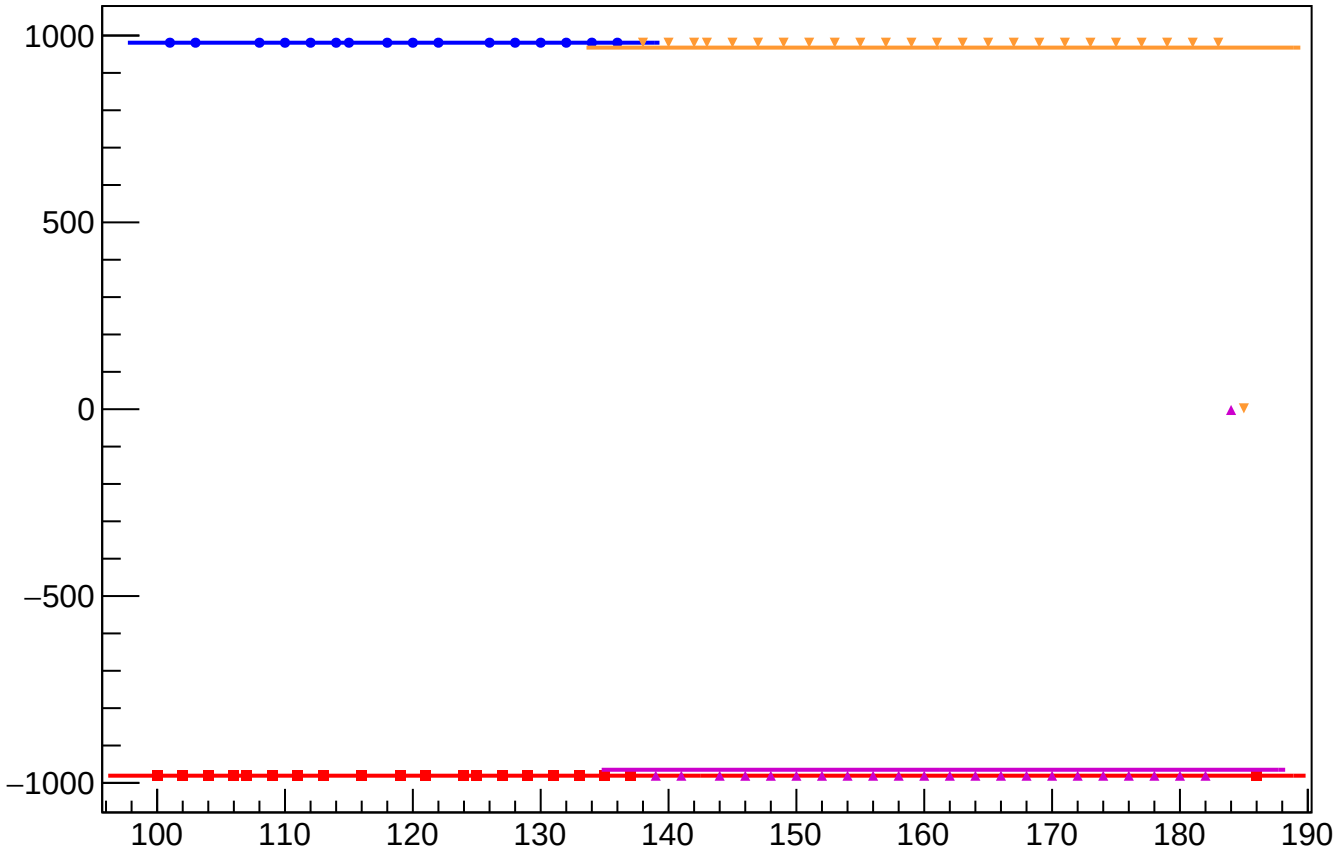
Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 4807246986403


HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 931.769+/-0.000 χ²/NDF: 2757217223595001187167685836800.0/15
Left Out: 919.347+/-0.000 χ²/NDF:230211234962152806190415261330812436 48.0/24
Right Out: -914.408+/-0.000 χ²/NDF: 1277939337457994527308138560746422 2720.0/19
Left In: -916.654+/-0.000 χ²/NDF:263697449311835480737856648421855723 52.0/22
Left: 27.548+/-0.000 χ²/NDF: 33535518082193632
Right: -29.533+/-0.000 χ²/NDF: 132785713111988
In: -399.207+/-0.000 χ²/NDF:1849383957920905
Out: 396.438+/-0.000 χ²/NDF:197083666946282
All: 11.415+/-0.000 χ²/NDF: 4685022521957


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: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.513+/-0.000 χ²/NDF:2519763107681262962318896005 12.0/24
Right Out: -741.555+/-0.000 χ²/NDF: 1431590375320572448928804162 7648.0/19
Left In: -741.513+/-0.000 χ²/NDF:2347039830300854231858958827 52.0/22
Left: 21.165+/-0.000 χ²/NDF: 2155819118342563
Right: -30.692+/-0.000 χ²/NDF: 8487108004504303
In: -326.339+/-0.000 χ²/NDF:1173592050889762
Out: 318.605+/-0.000 χ²/NDF:1265693515991585
All: 6.508+/-0.000 χ²/NDF: 3007512267479

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Right: -40.569+/-0.000 χ^2/NDF: 148457016831537

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

In: -420.187+/-0.000 χ^2/NDF:2049070633635446

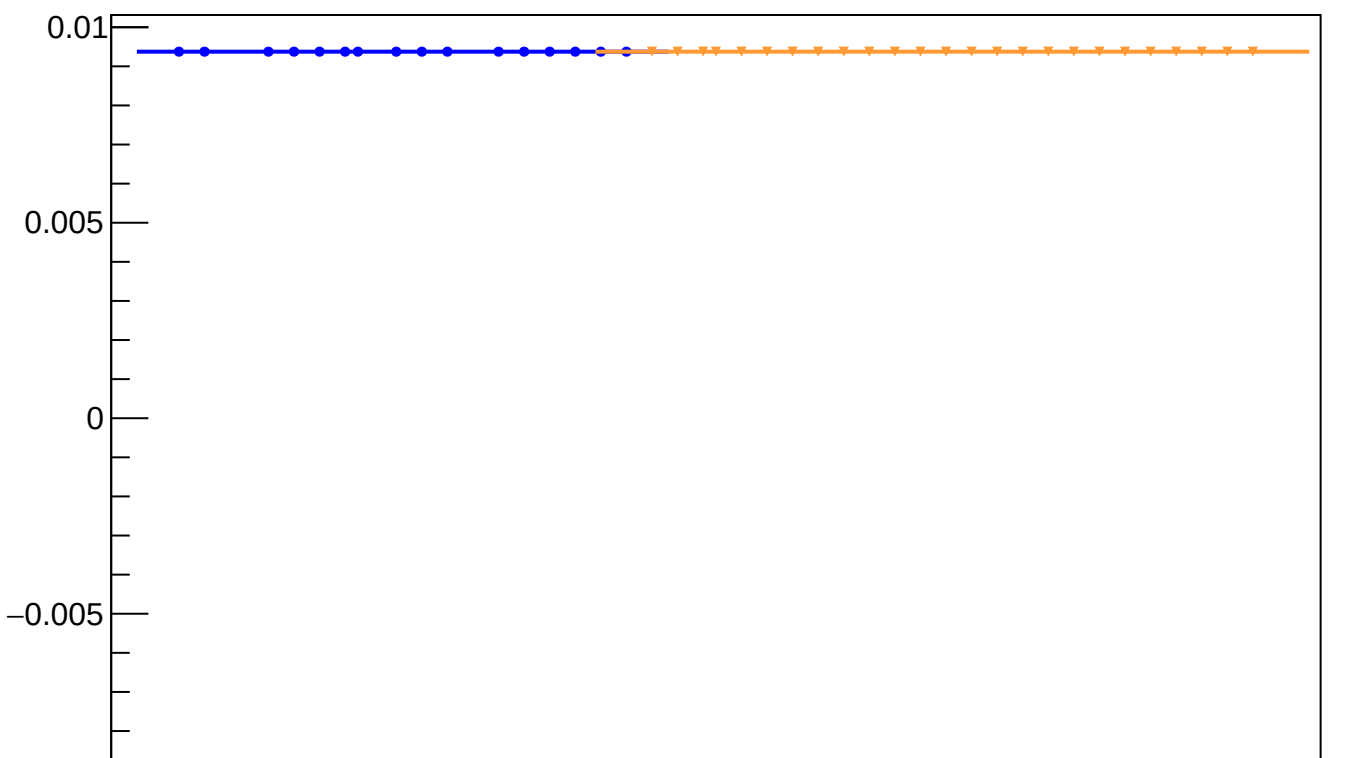
Right Out: -980.740+/-0.000 χ^2/NDF: 595169208716743723837572052418560/19

Out: 412.071+/-0.000 χ^2/NDF:221009486150132

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

All: 9.331+/-0.000 χ^2/NDF: 52053887475731

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

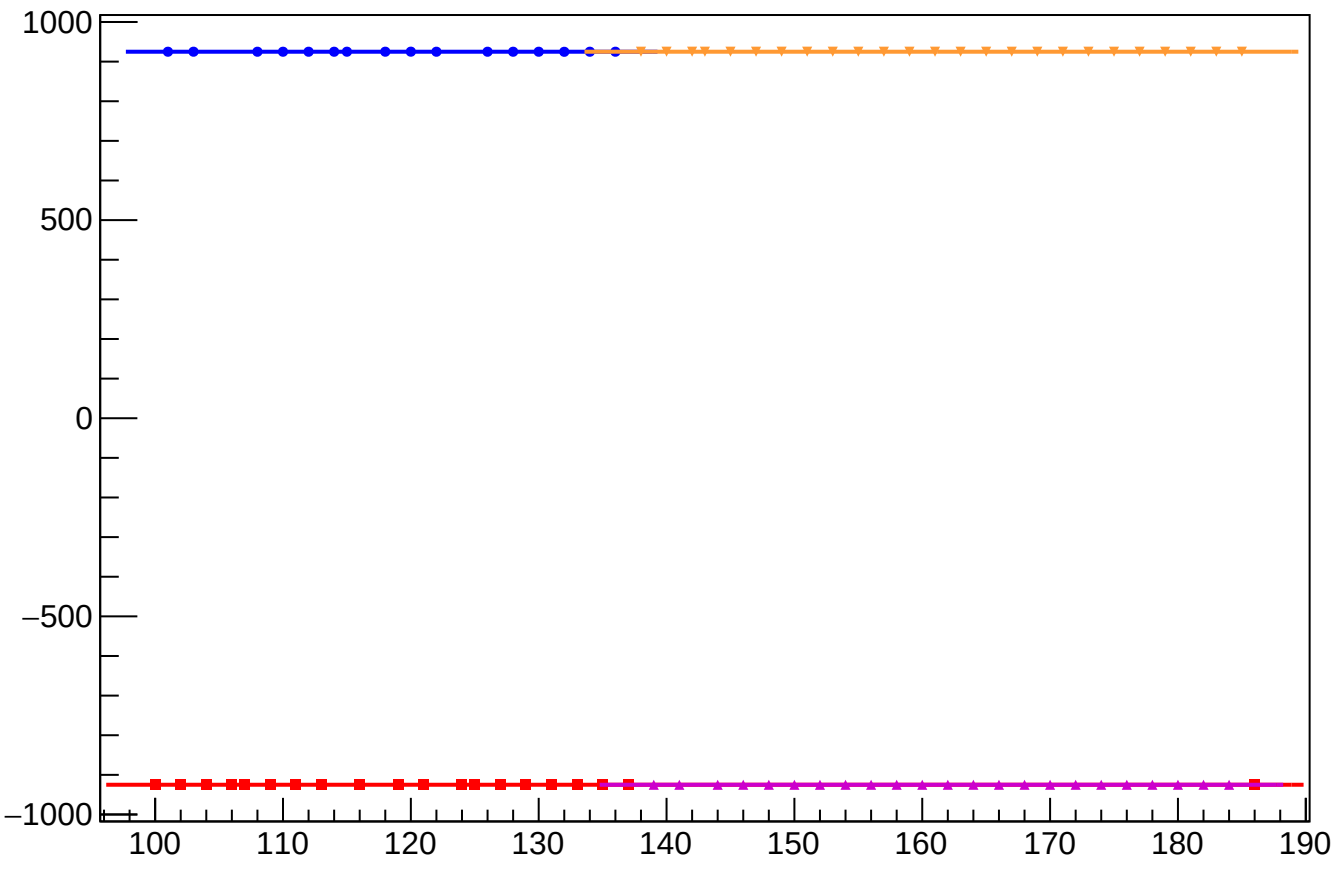
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

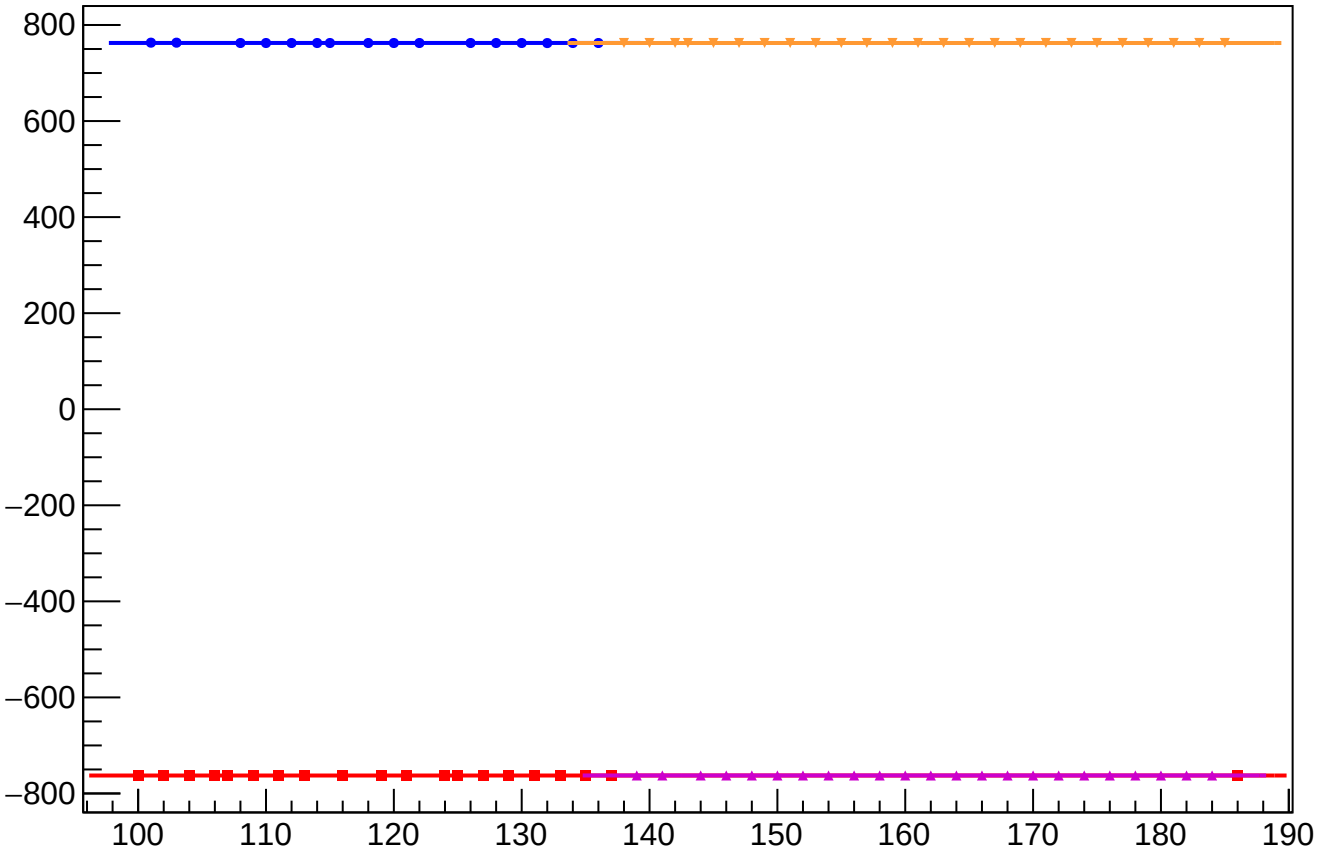
Right: -0.000+/-0.000 χ^2/NDF: 1356460472590555

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 4807246986403


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 924.966+/-0.000 χ²/NDF: 2544370508087658800533037121536.0/15
Left Out: 924.983+/-0.000 χ²/NDF:1161112698344246137667167715328.0/24
Right Out: -924.976+/-0.000 χ²/NDF: 1329663985072226736369995612160.0/19
Left In: -924.983+/-0.000 χ²/NDF:928270307181587701368348475392.0/22
Left: 26.401+/-0.000 χ²/NDF: 33546151426363744
Right: -38.296+/-0.000 χ²/NDF: 132044755158988
In: -407.109+/-0.000 χ²/NDF:1826025257464352
Out: 397.453+/-0.000 χ²/NDF:196938554981315
All: 8.116+/-0.000 χ²/NDF: 4679704936161



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -762.616+/-0.000 χ^2/NDF: 532126229346413380986705448796 16.0/19

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

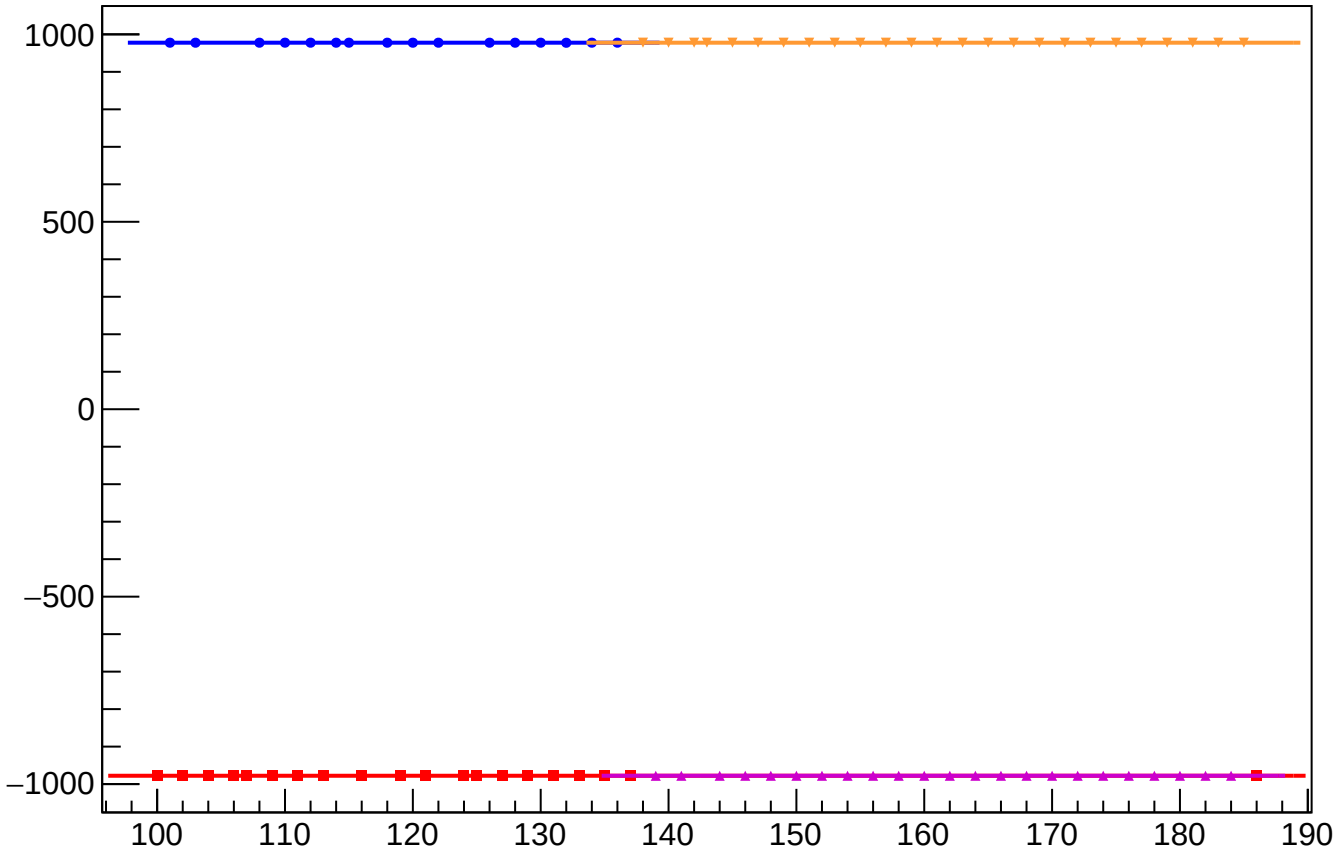
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -31.573+/-0.000 χ^2/NDF: 897580247089480

In: -335.575+/-0.000 χ^2/NDF:1241082286865266

Out: 327.615+/-0.000 χ^2/NDF:1338511762803278

All: 6.689+/-0.000 χ^2/NDF: 31804254013491



Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Right: -40.476+/-0.000 χ^2/NDF: 147543397423843

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

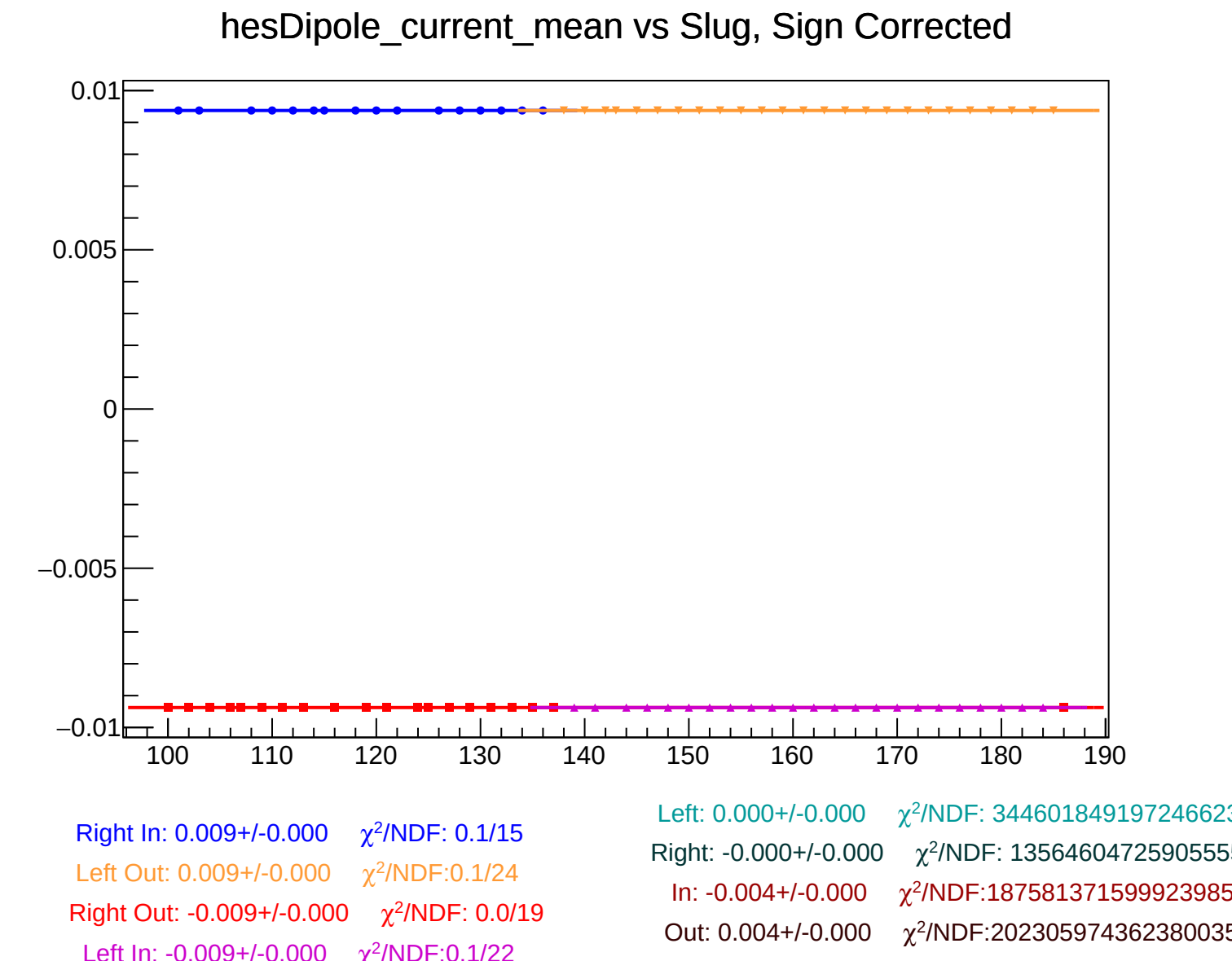
In: -430.318+/-0.000 χ^2/NDF:2040308724168726

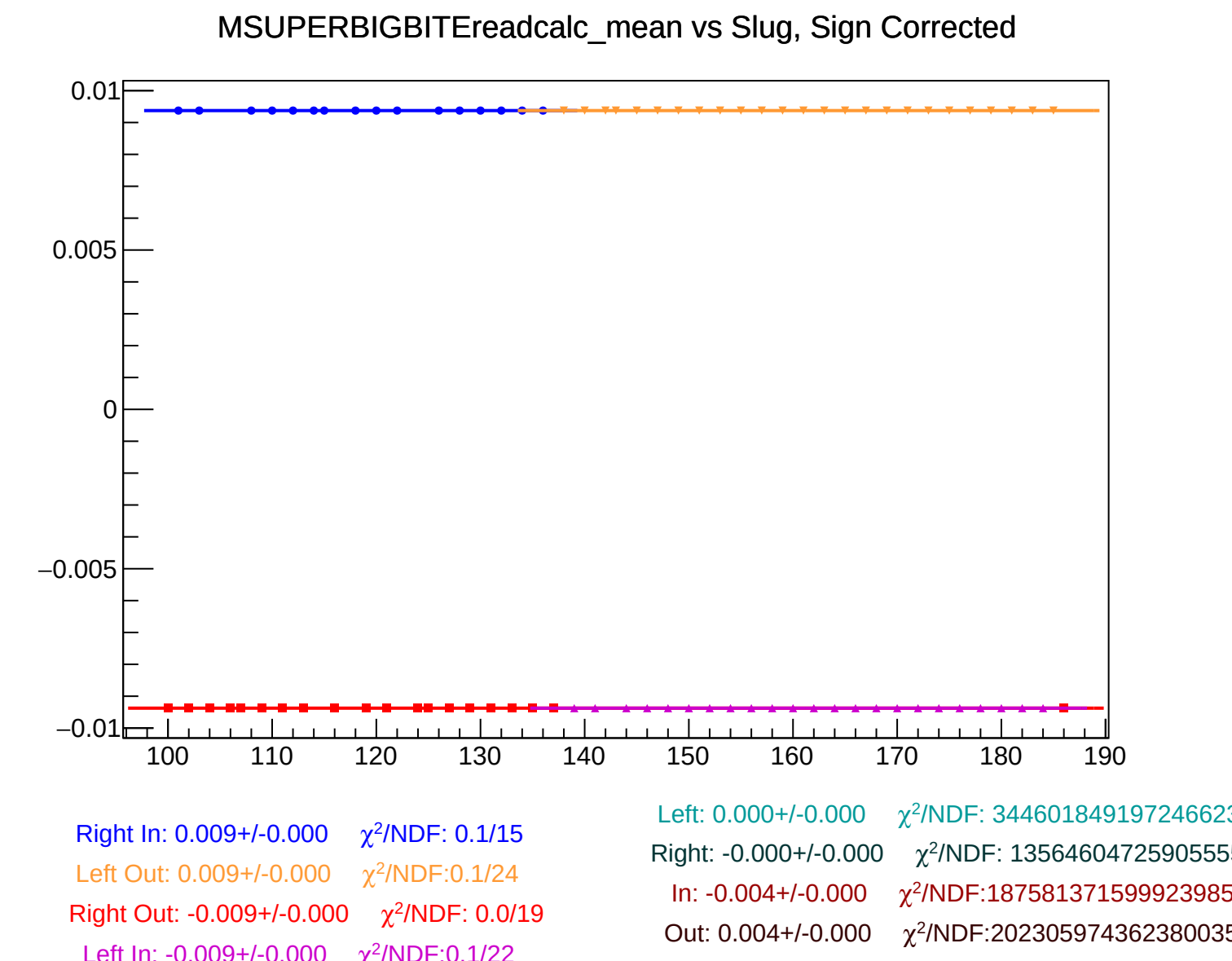
Right Out: -977.750+/-0.000 χ^2/NDF: 18711302789816090754301925785600/19

Out: 420.115+/-0.000 χ^2/NDF:2200473682302038

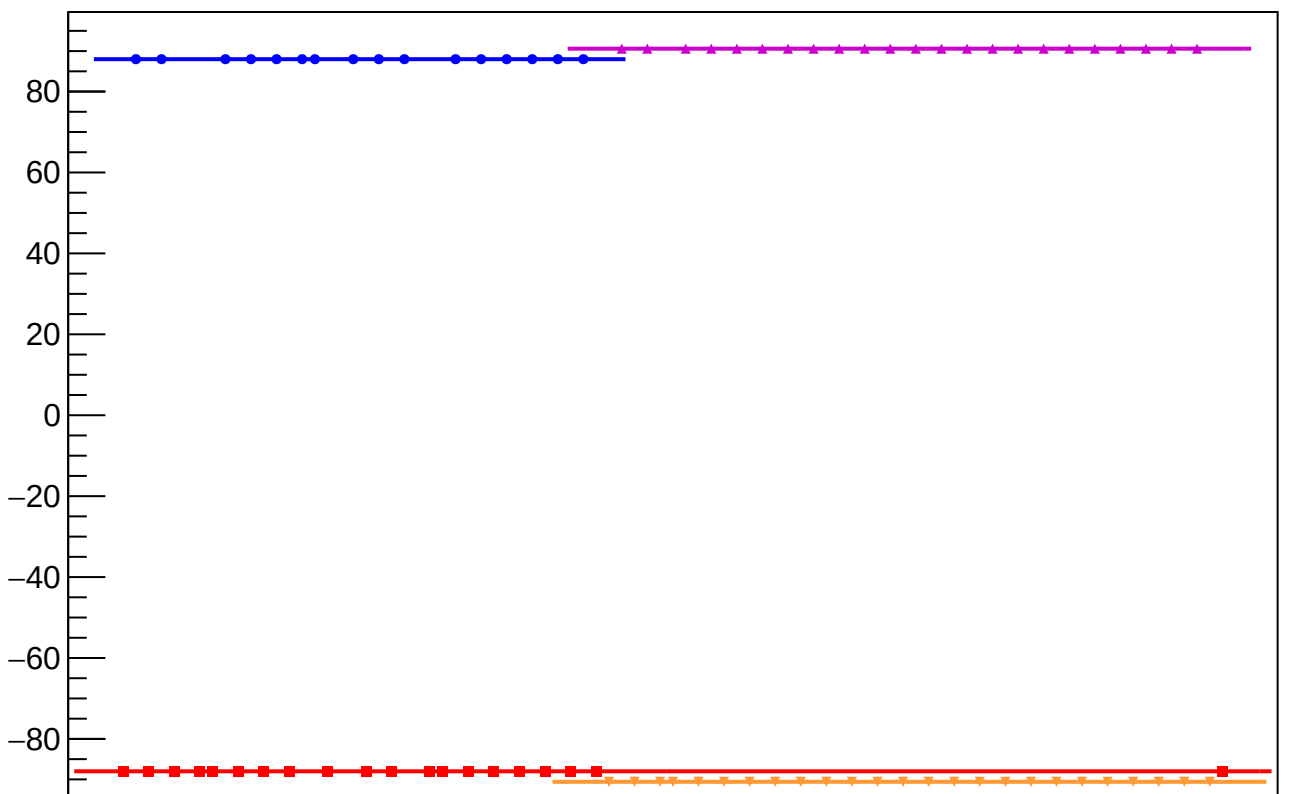
Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

All: 8.580+/-0.000 χ^2/NDF: 5228784632987


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: 0.1/15
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: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 1356460472590555
In: -0.004+/-0.000 χ²/NDF:18758137159992398
Out: 0.004+/-0.000 χ²/NDF:202305974362380035
All: 0.000+/-0.000 χ²/NDF: 4807246986403


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: 0.1/15
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: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 1356460472590555
In: -0.004+/-0.000 χ²/NDF:18758137159992398
Out: 0.004+/-0.000 χ²/NDF:202305974362380035
All: 0.000+/-0.000 χ²/NDF: 4807246986403

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF: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

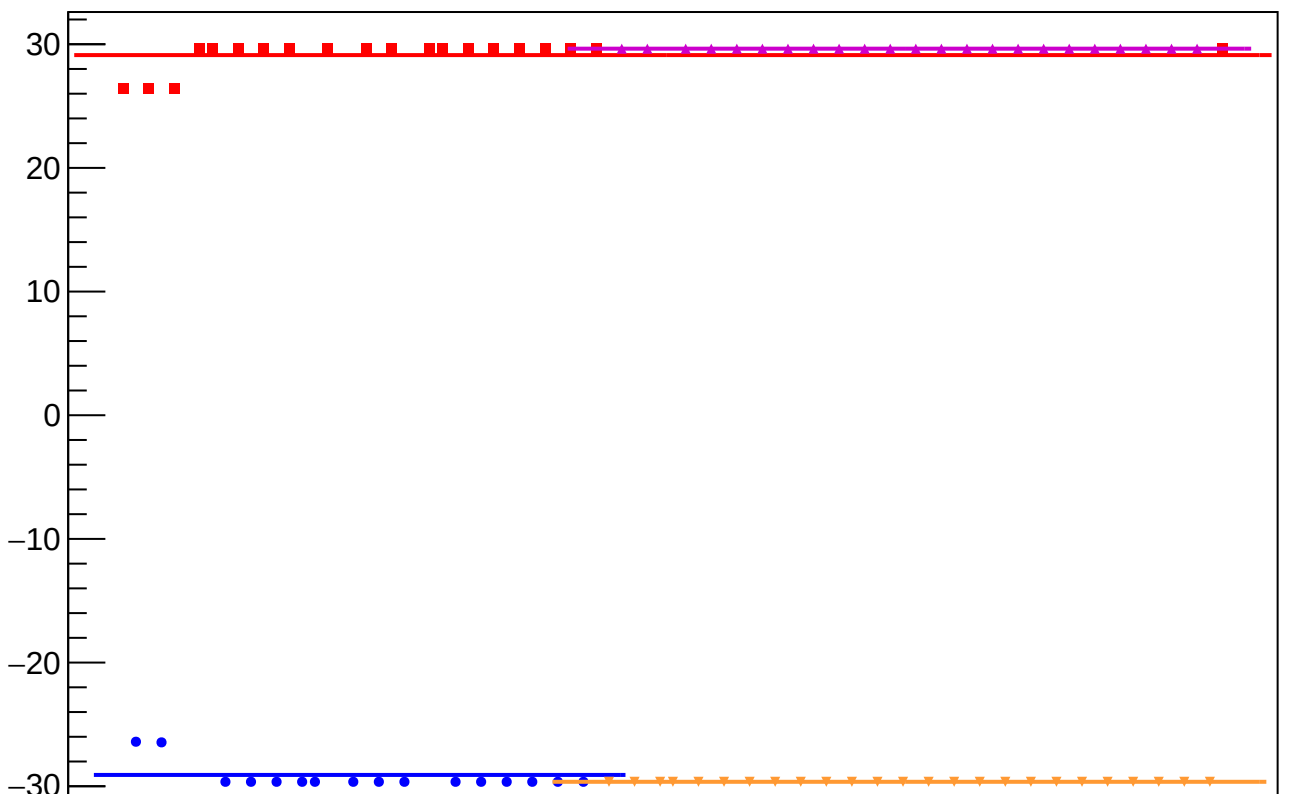
Right: -3.644+/-0.000 χ^2/NDF: 11952246012611161

In: 89.872+/-0.000 χ^2/NDF:360299734523722498

Out: -89.859+/-0.000 χ^2/NDF:3878235747624912

All: -2.885+/-0.000 χ^2/NDF: 4413635351359

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.121+/-0.000 χ^2/NDF: 113718349118014520911876978429132 8.0/19

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

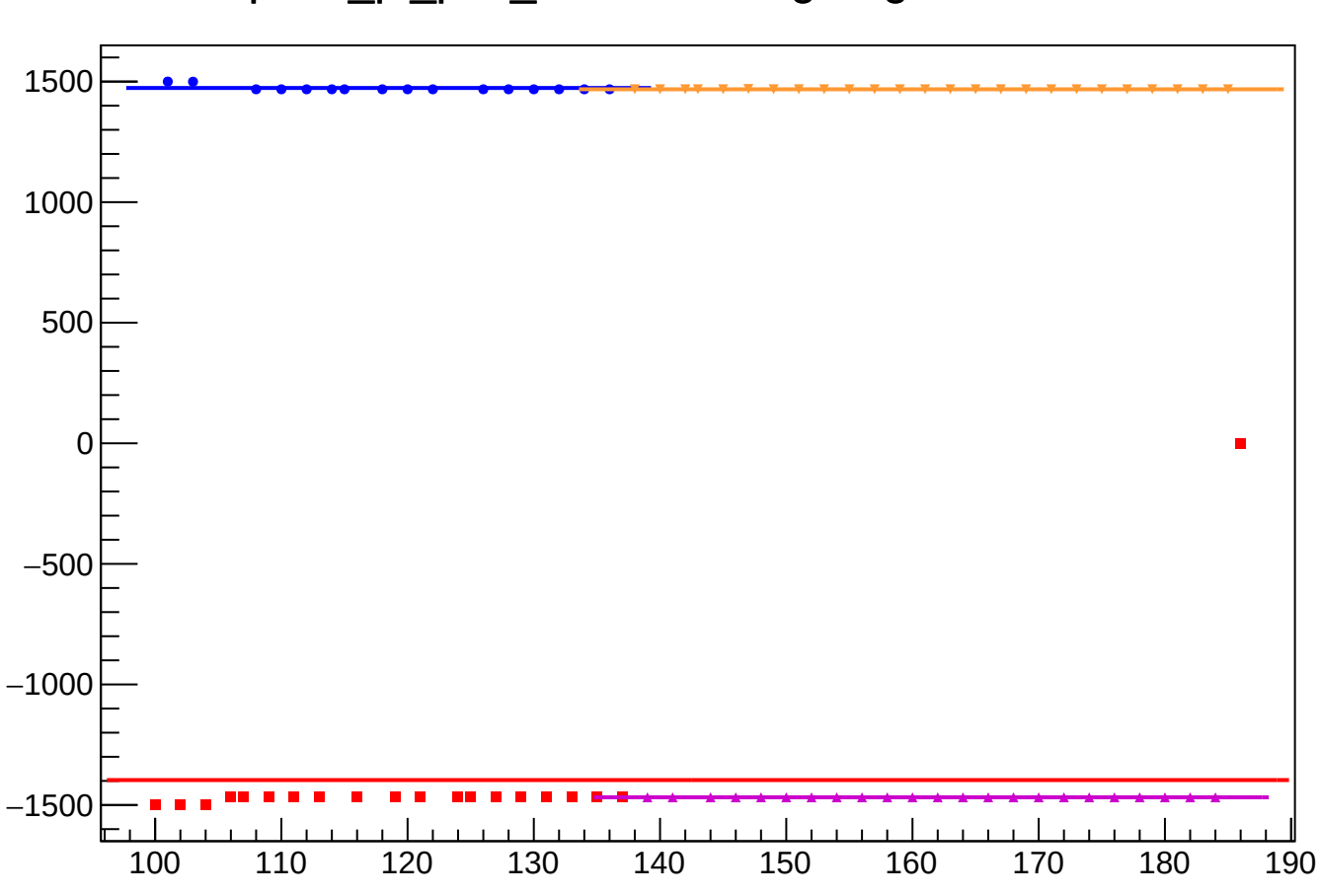
Left: -0.846+/-0.000 χ^2/NDF: 3444705147343189 2

Right: 1.223+/-0.000 χ^2/NDF: 1309466059454272 1

In: 13.201+/-0.000 χ^2/NDF:184122867429016155

Out: -12.884+/-0.000 χ^2/NDF:19881573600426 14

All: -0.261+/-0.000 χ^2/NDF: 475891815757 5



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

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

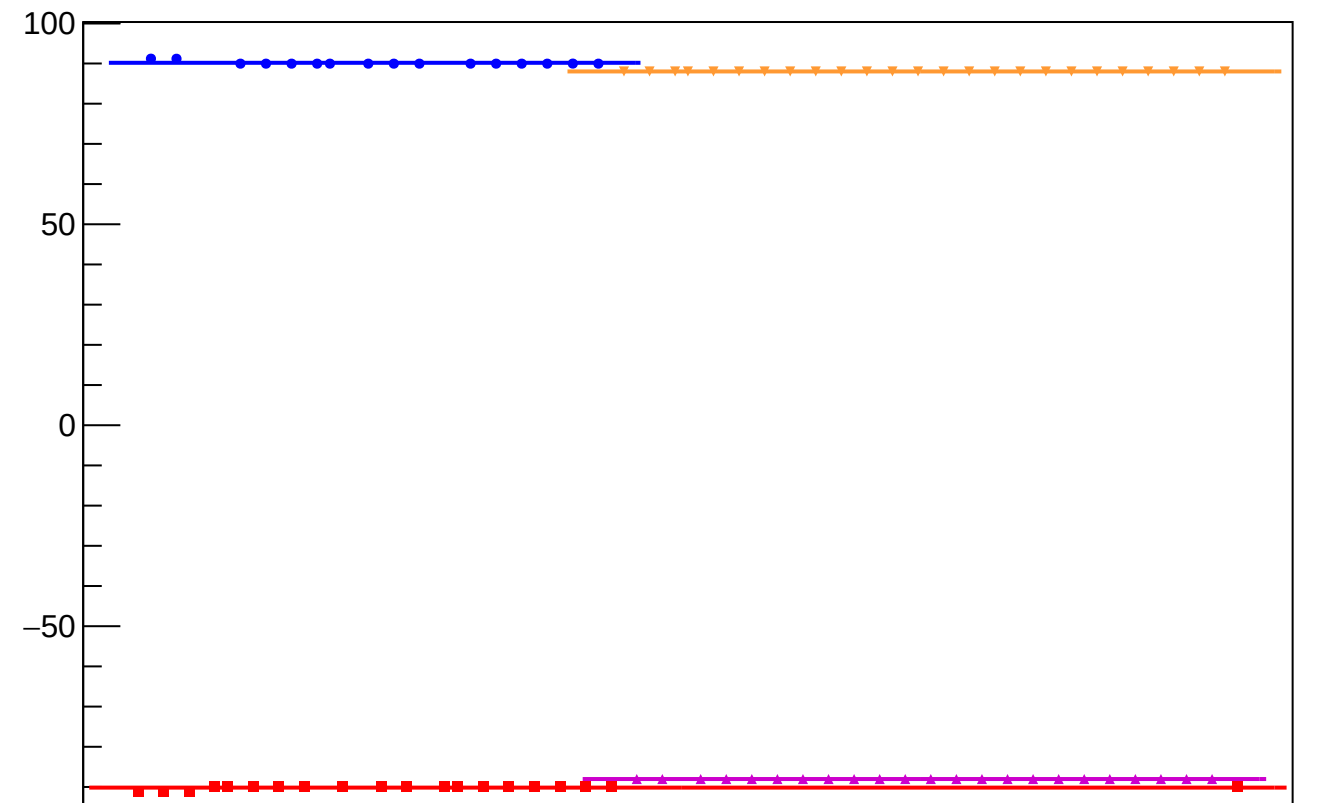
Right: -20.931+/-0.000 χ^2/NDF: 3264716284067683

In: -644.562+/-0.000 χ^2/NDF:4616612448264523

Out: 651.196+/-0.000 χ^2/NDF:4808523848914348

All: 24.163+/-0.000 χ^2/NDF: 1171877798110

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF: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

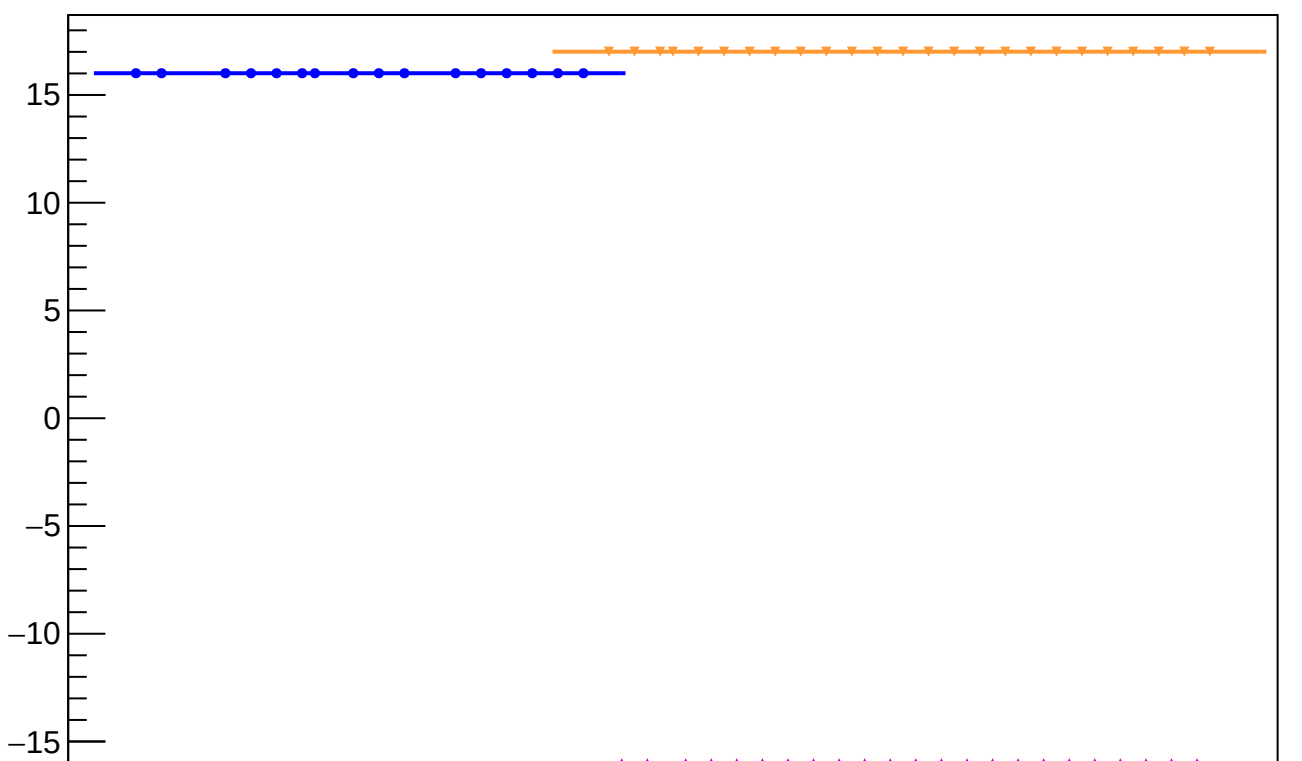
Right: -3.725+/-0.000 χ^2/NDF: 1254745186578632

In: -38.137+/-0.000 χ^2/NDF:16942394386783015

Out: 37.212+/-0.000 χ^2/NDF:18269292748381966

All: 0.749+/-0.000 χ^2/NDF: 4296758997099

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF: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

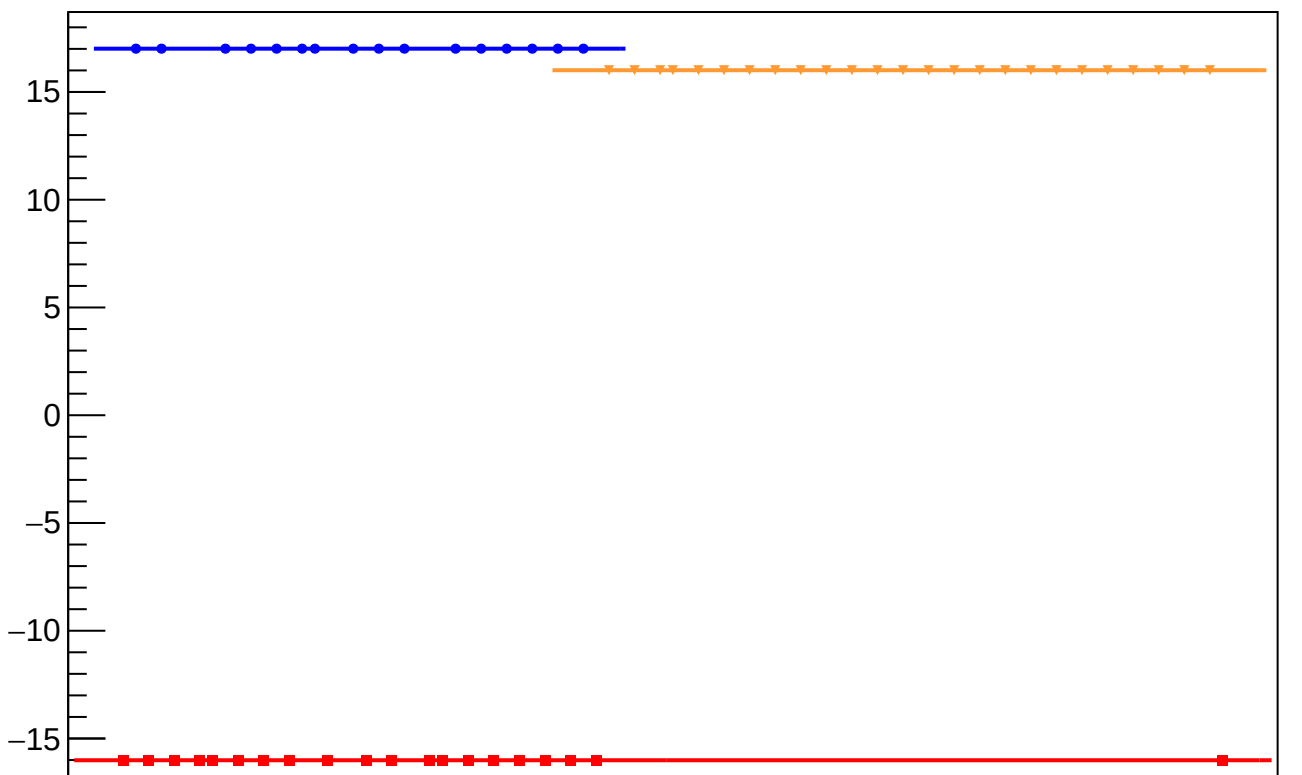
Right: -0.879+/-0.000 χ^2/NDF: 39145912646218898

In: -6.913+/-0.000 χ^2/NDF:515229710118057438

Out: 7.418+/-0.000 χ^2/NDF:610778301647322162

All: 0.445+/-0.000 χ^2/NDF: 13865585934103

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF: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

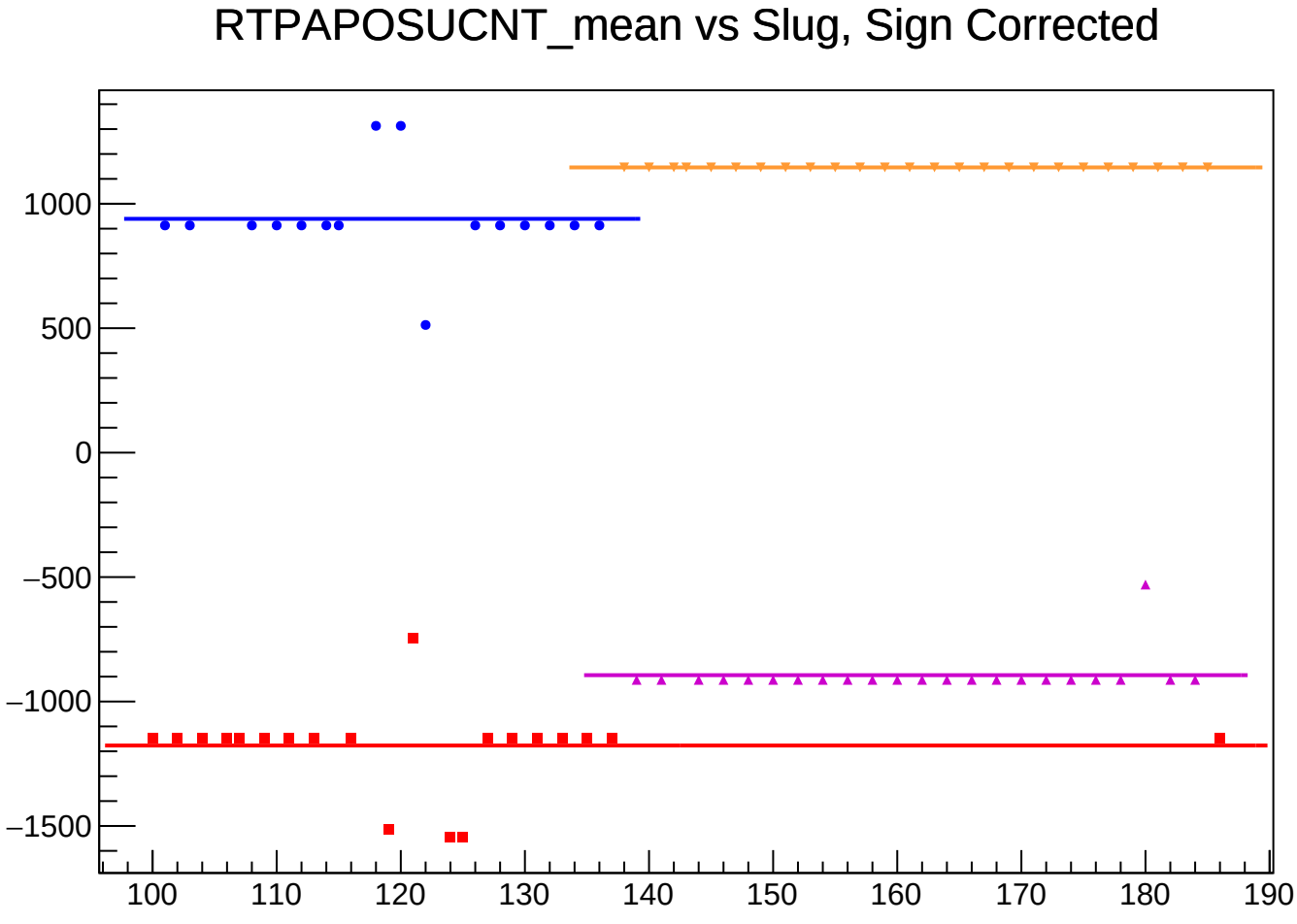
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

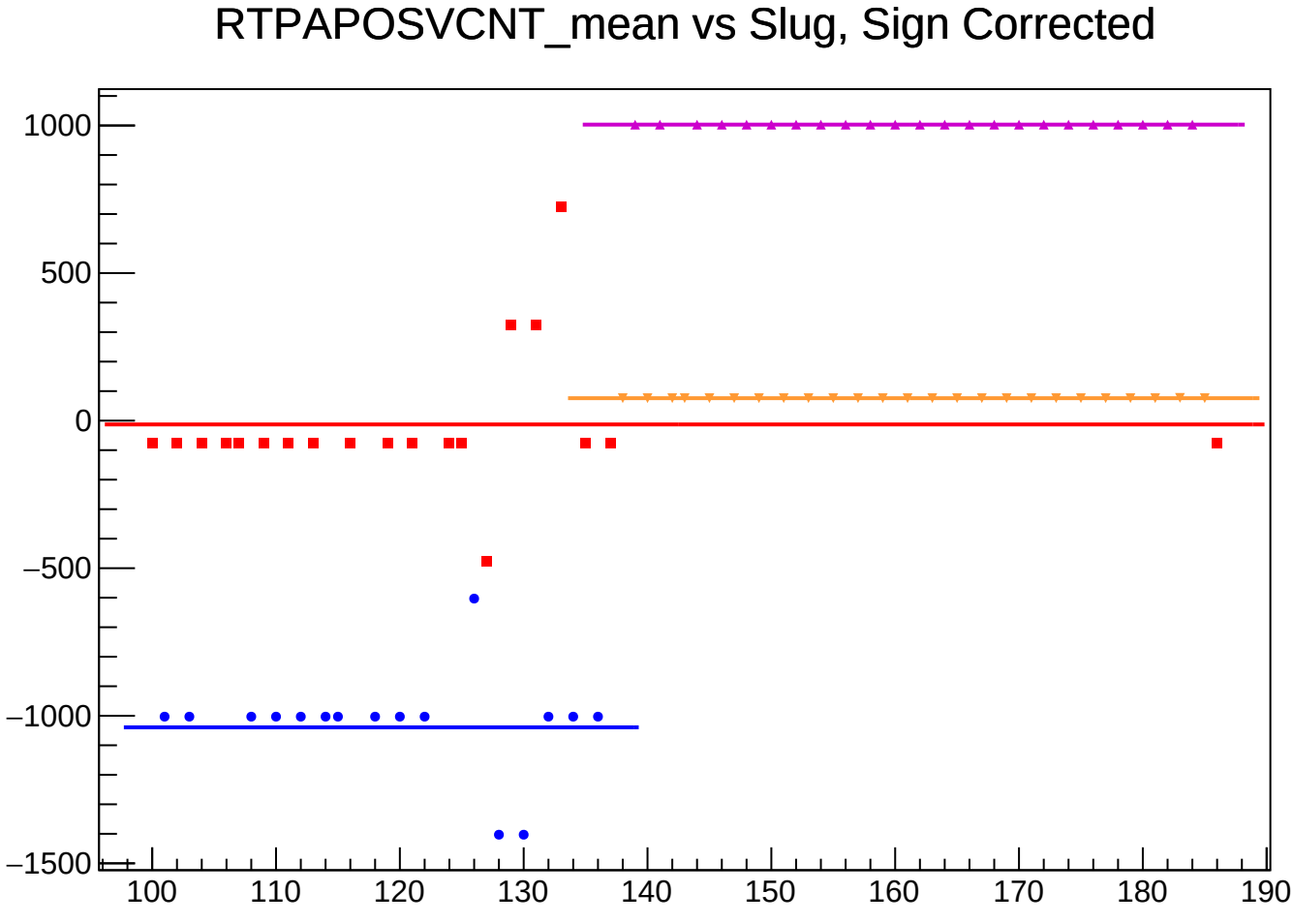
Right: -0.529+/-0.000 χ^2/NDF: 4094226306397913

In: -7.640+/-0.000 χ^2/NDF:592847714254637414

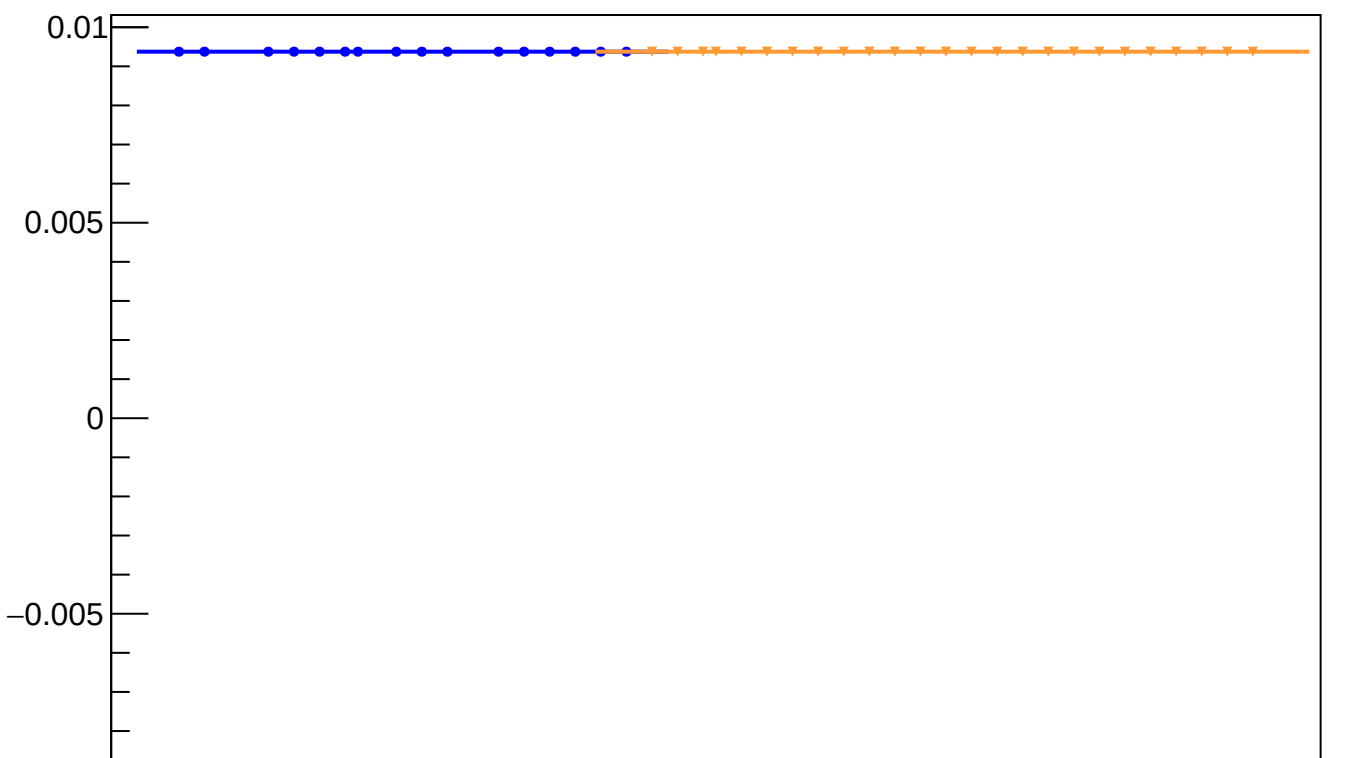
Out: 6.827+/-0.000 χ^2/NDF:585678724629054868

All: -0.102+/-0.000 χ^2/NDF: 1458471650515


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974 72.0/24
Right Out: -1176.817+/-0.000 χ²/NDF: 22182316009646507312809657000911699968.0/19
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -162.489+/-0.000 χ²/NDF: 17712663602628
In: -380.823+/-0.000 χ²/NDF:1827990643618559
Out: 483.645+/-0.000 χ²/NDF:3127054751183764
All: 65.318+/-0.000 χ²/NDF: 597592746948


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911104.0/15
Right: -504.789+/-0.000 χ²/NDF: 4754659879326
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 431.312+/-0.000 χ²/NDF:2248028789081853
Right Out: -12.905+/-0.000 χ²/NDF: 462339603478446703290653965892158 75072.0/19
Out: 50.686+/-0.000 χ²/NDF:5078778363753163
Left In: 1002.990+/-0.000 χ²/NDF:295195590334831475309726924 8.0/22
All: 234.876+/-0.000 χ²/NDF: 2496730035

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

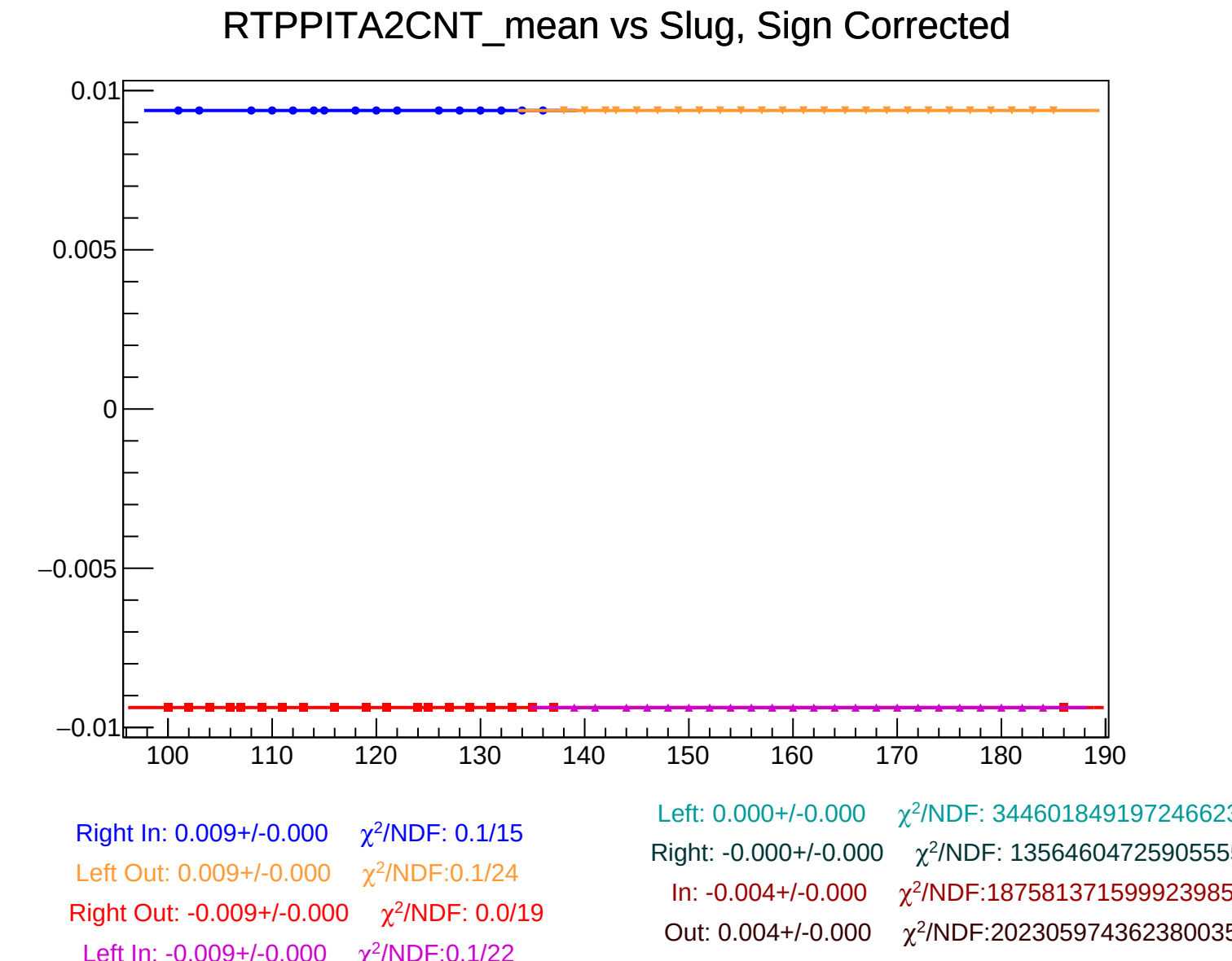
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 1356460472590555

In: -0.004+/-0.000 χ^2/NDF:18758137159992398

Out: 0.004+/-0.000 χ^2/NDF:202305974362380035

All: 0.000+/-0.000 χ^2/NDF: 4807246986403


RTPPITA2CNT_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: 0.1/15
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: 34460184919724662
Right: -0.000+/-0.000 χ²/NDF: 1356460472590555
In: -0.004+/-0.000 χ²/NDF:18758137159992398
Out: 0.004+/-0.000 χ²/NDF:202305974362380035
All: 0.000+/-0.000 χ²/NDF: 4807246986403