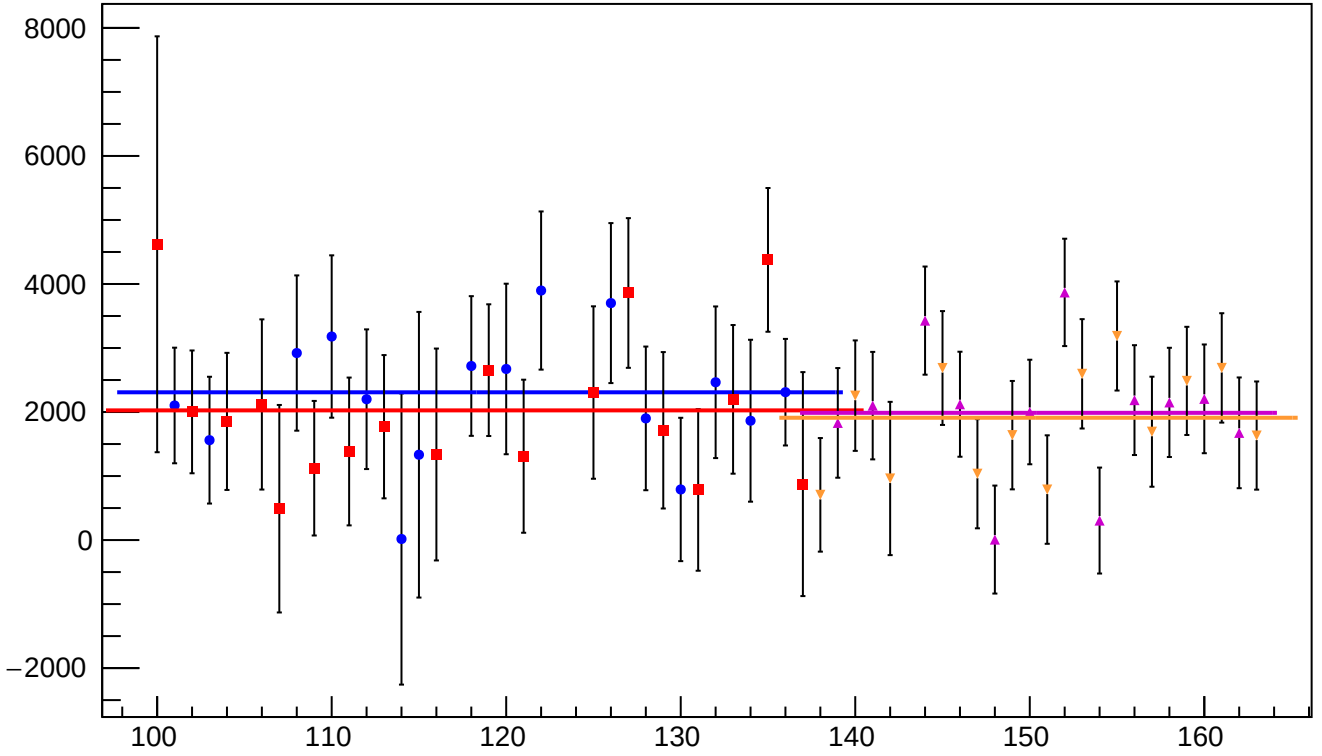
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

Left In: 1987.326+/-243.155 χ^2/NDF:18.0/11

Left: 1948.769+/-171.684 χ^2/NDF: 28.7/24

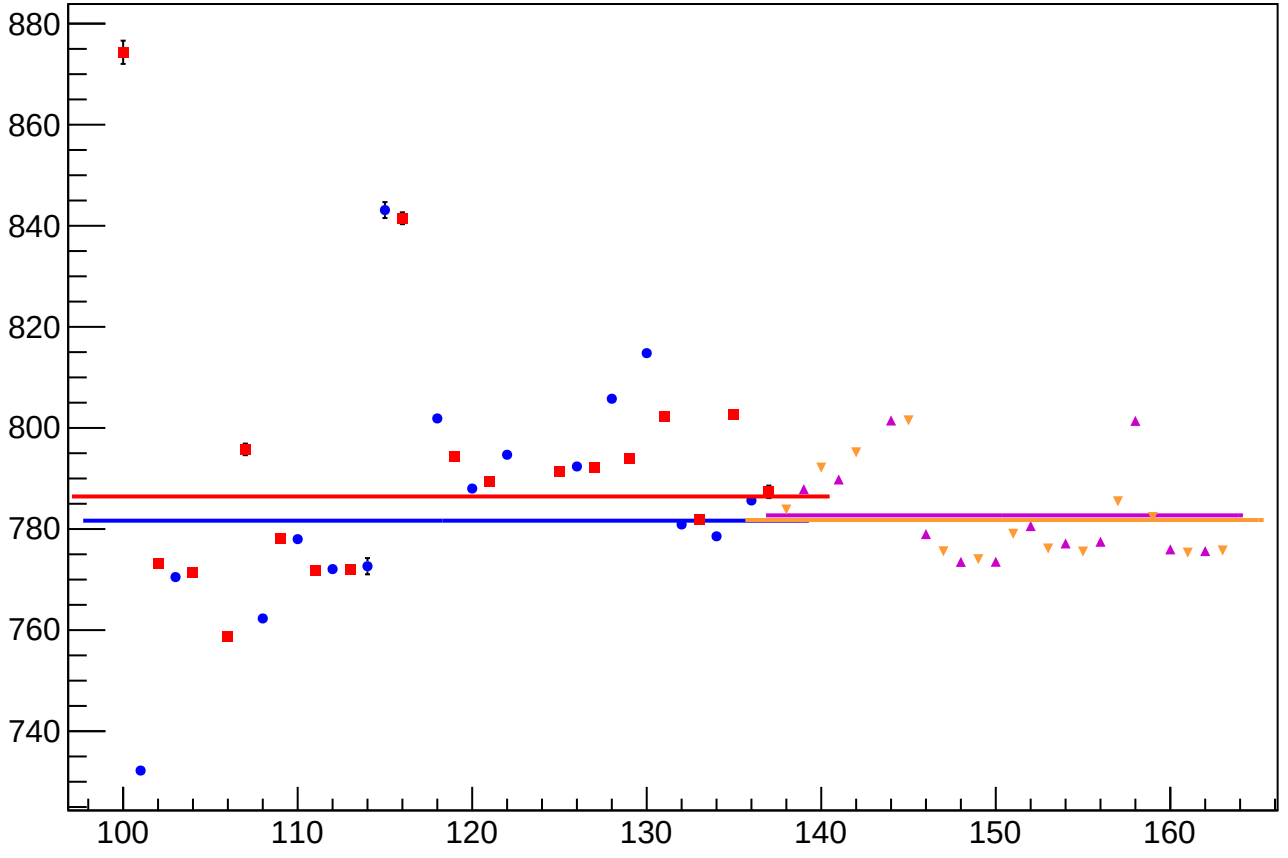
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2119.536+/-186.440 χ^2/NDF:26.5/27

Out: 1957.864+/-185.951 χ^2/NDF:22.7/30

All: 2038.488+/-131.660 χ^2/NDF: 49.5/58

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

Left In: 782.707+/-0.172 χ^2/NDF:3131.2/11

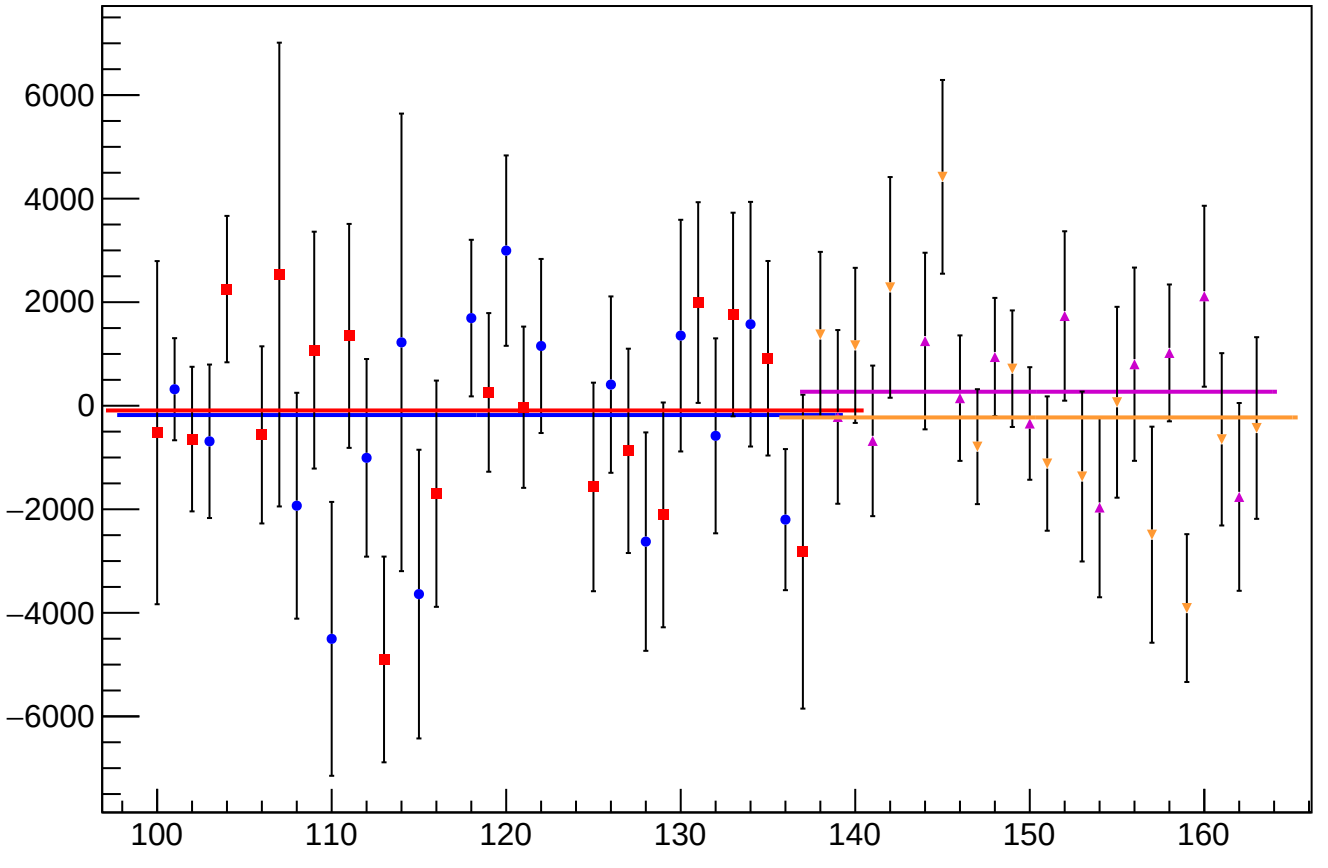
Left: 782.241+/-0.121 χ^2/NDF: 5421.3/24

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

In: 782.273+/-0.132 χ^2/NDF:15465.7/27

Out: 783.698+/-0.131 χ^2/NDF:9782.1/30

All: 782.987+/-0.093 χ^2/NDF: 25306.3/58



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

Left In: 270.229+/-420.182 χ^2/NDF:6.7/11

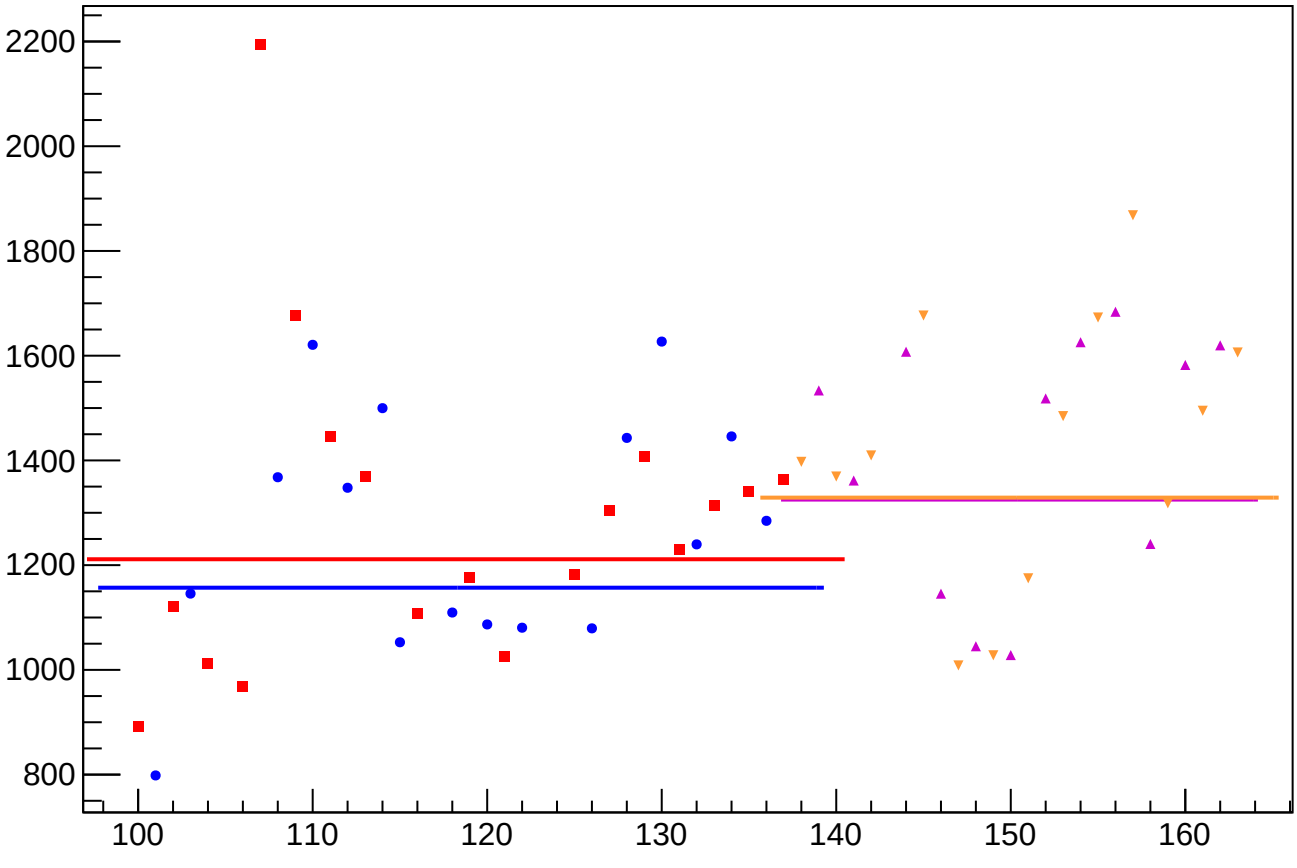
Left: 23.395+/-297.807 χ^2/NDF: 26.7/24

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

In: 55.909+/-304.132 χ^2/NDF:22.7/27

Out: -163.524+/-309.408 χ^2/NDF:34.5/30

All: -51.920+/-216.895 χ^2/NDF: 57.5/58



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

Left Out: 1328.939+/-0.299 χ^2/NDF:706234.3/12

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

Left In: 1325.217+/-0.297 χ^2/NDF:666630.7/11

Left: 1327.069+/-0.211 χ^2/NDF: 1372943.1/24

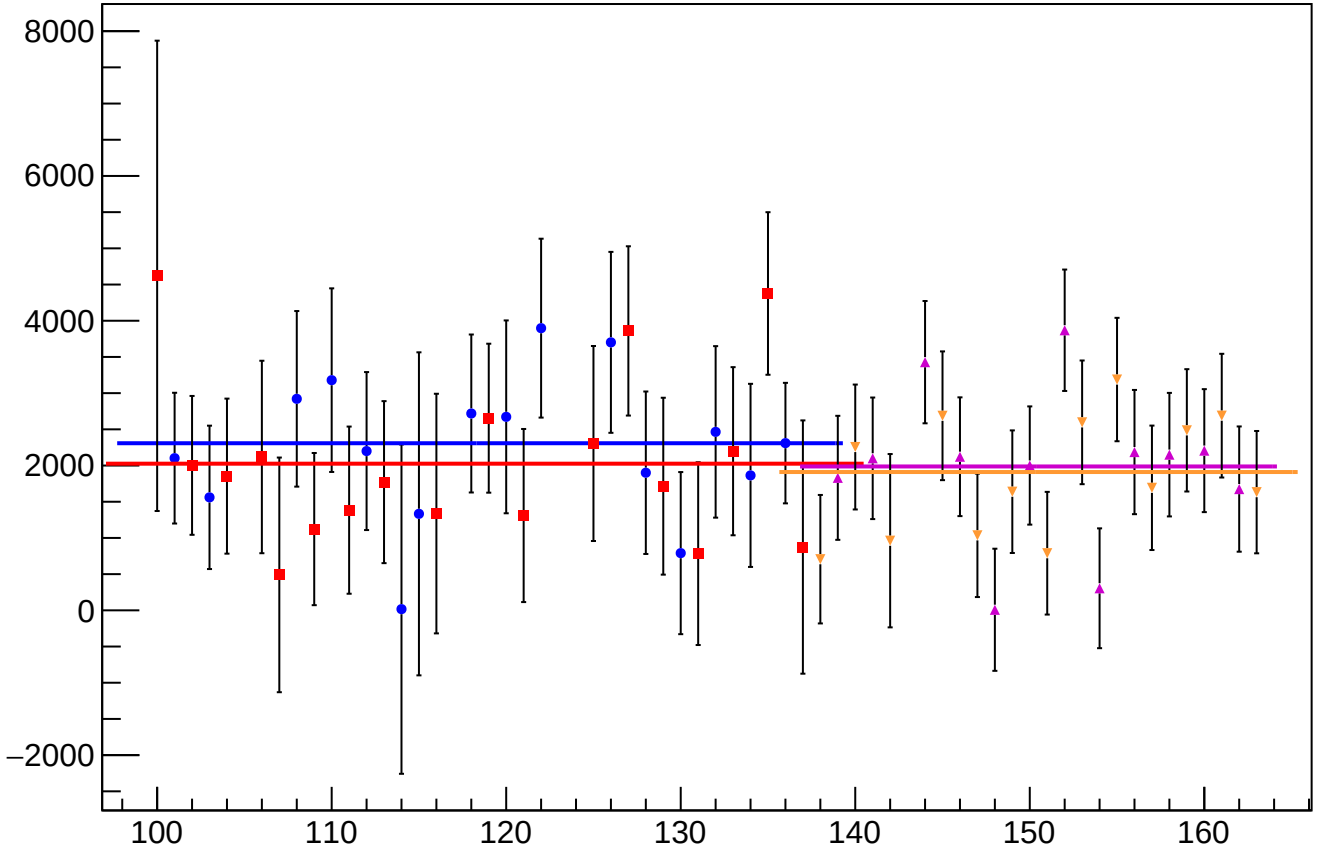
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1245.104+/-0.215 χ^2/NDF:1388457.8/27

Out: 1274.478+/-0.219 χ^2/NDF:1175871.3/30

All: 1259.539+/-0.153 χ^2/NDF: 2573496.7/58

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

Left In: 1987.326+/-243.155 χ^2/NDF:18.0/11

Left: 1948.769+/-171.684 χ^2/NDF: 28.7/24

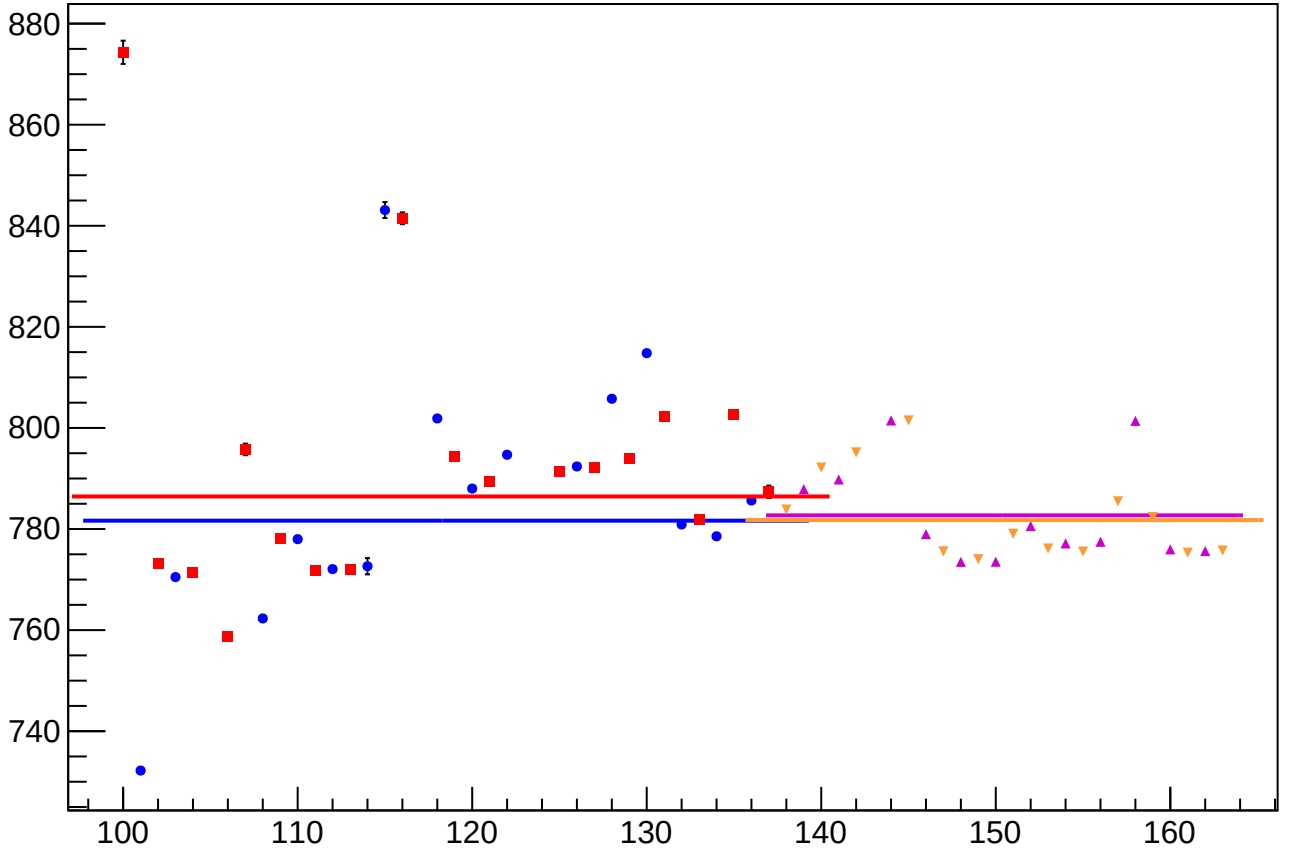
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2119.536+/-186.440 χ^2/NDF:26.5/27

Out: 1957.864+/-185.951 χ^2/NDF:22.7/30

All: 2038.488+/-131.660 χ^2/NDF: 49.5/58

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

Left In: 782.707+/-0.172 χ^2/NDF:3131.2/11

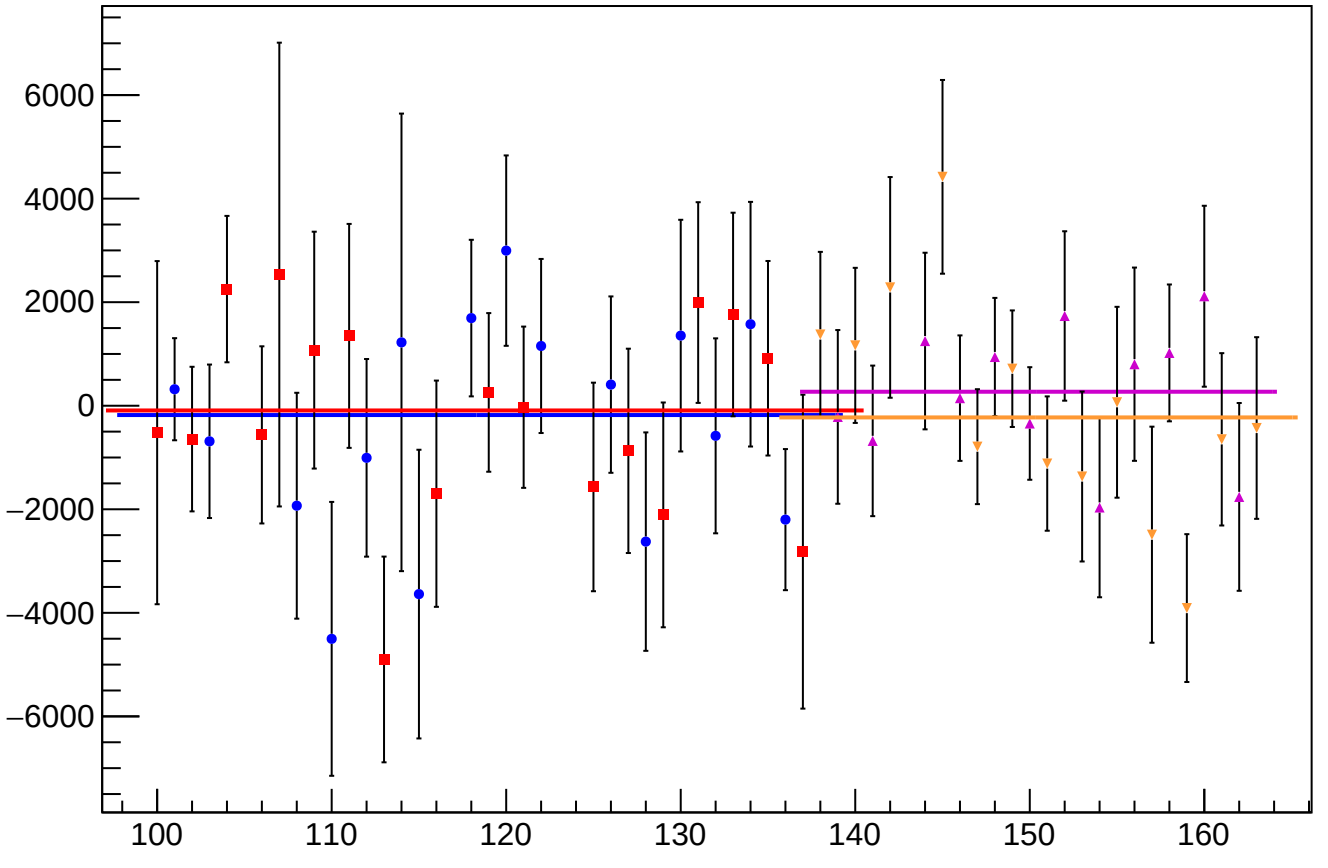
Left: 782.241+/-0.121 χ^2/NDF: 5421.3/24

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

In: 782.273+/-0.132 χ^2/NDF:15465.7/27

Out: 783.698+/-0.131 χ^2/NDF:9782.1/30

All: 782.987+/-0.093 χ^2/NDF: 25306.3/58



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

Left In: 270.229+/-420.182 χ^2/NDF:6.7/11

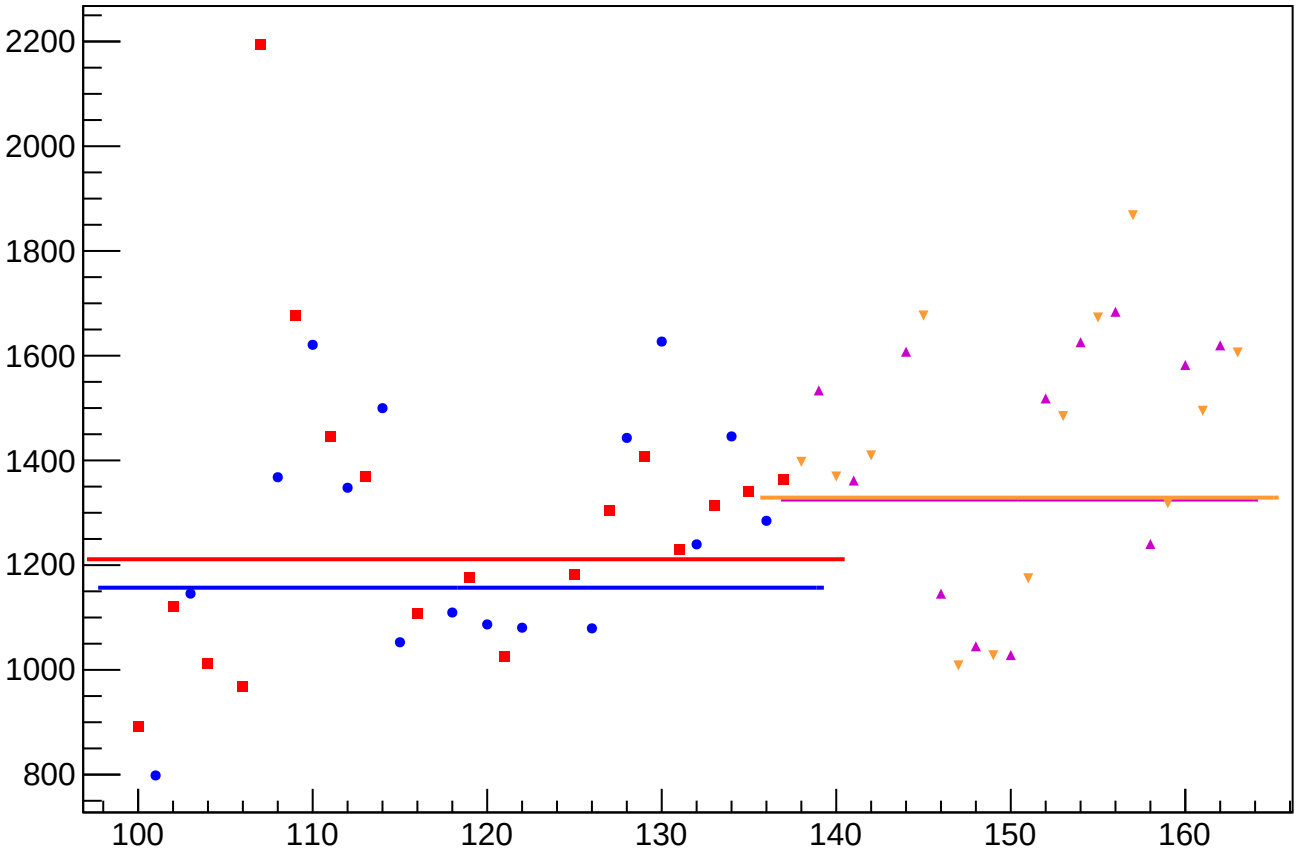
Left: 23.395+/-297.807 χ^2/NDF: 26.7/24

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

In: 55.909+/-304.132 χ^2/NDF:22.7/27

Out: -163.524+/-309.408 χ^2/NDF:34.5/30

All: -51.920+/-216.895 χ^2/NDF: 57.5/58


asym_us_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
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1200
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130
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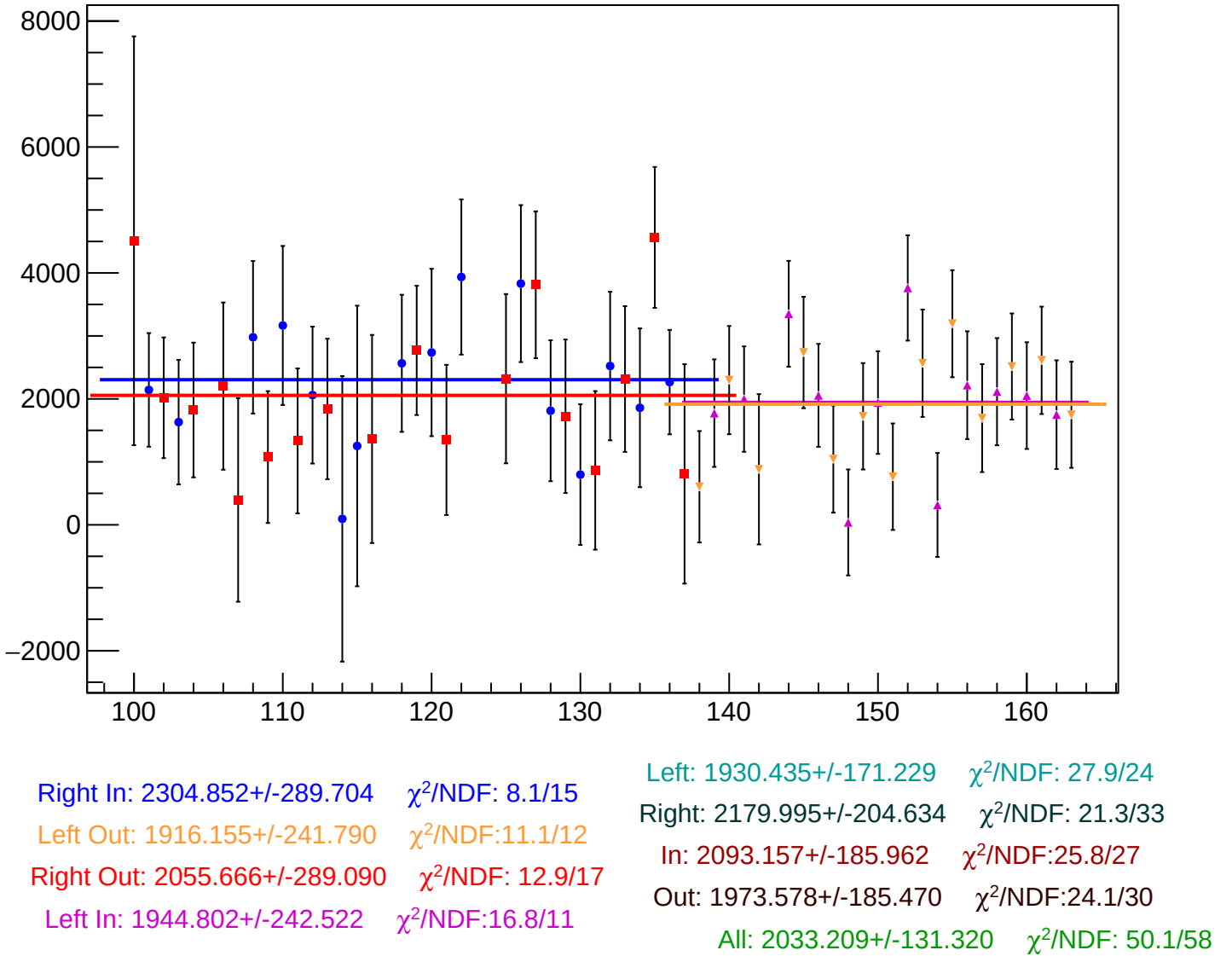
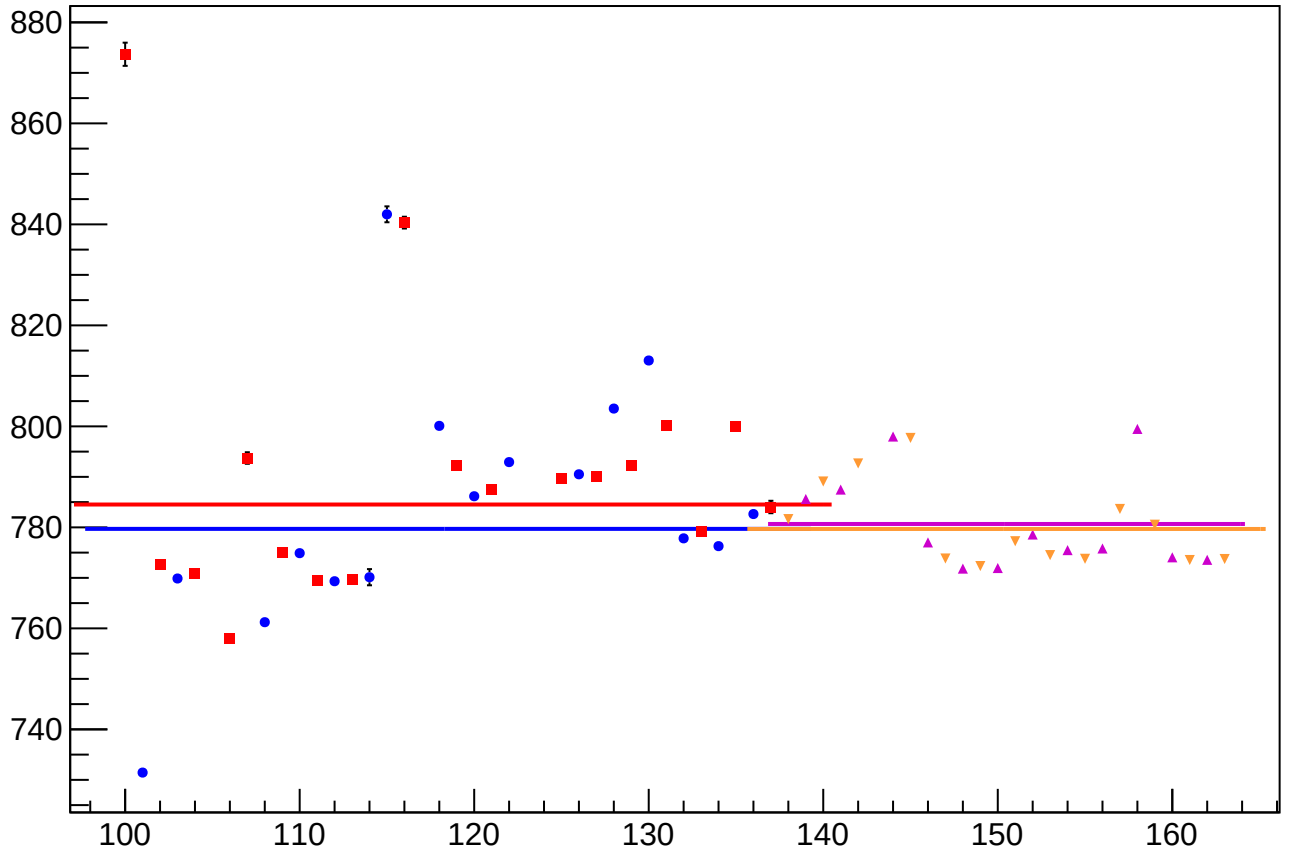
150
160
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1328.939+/-0.299 χ²/NDF:706234.3/12
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1325.217+/-0.297 χ²/NDF:666630.7/11
Left: 1327.069+/-0.211 χ²/NDF: 1372943.1/24
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1245.104+/-0.215 χ²/NDF:1388457.8/27
Out: 1274.478+/-0.219 χ²/NDF:1175871.3/30
All: 1259.539+/-0.153 χ²/NDF: 2573496.7/58


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1916.155+/-241.790 χ²/NDF:11.1/12
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 1944.802+/-242.522 χ²/NDF:16.8/11
Left: 1930.435+/-171.229 χ²/NDF: 27.9/24
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2093.157+/-185.962 χ²/NDF:25.8/27
Out: 1973.578+/-185.470 χ²/NDF:24.1/30
All: 2033.209+/-131.320 χ²/NDF: 50.1/58



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

Left Out: 779.684+/-0.171 χ^2/NDF:1996.8/12

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

Left In: 780.672+/-0.171 χ^2/NDF:2927.4/11

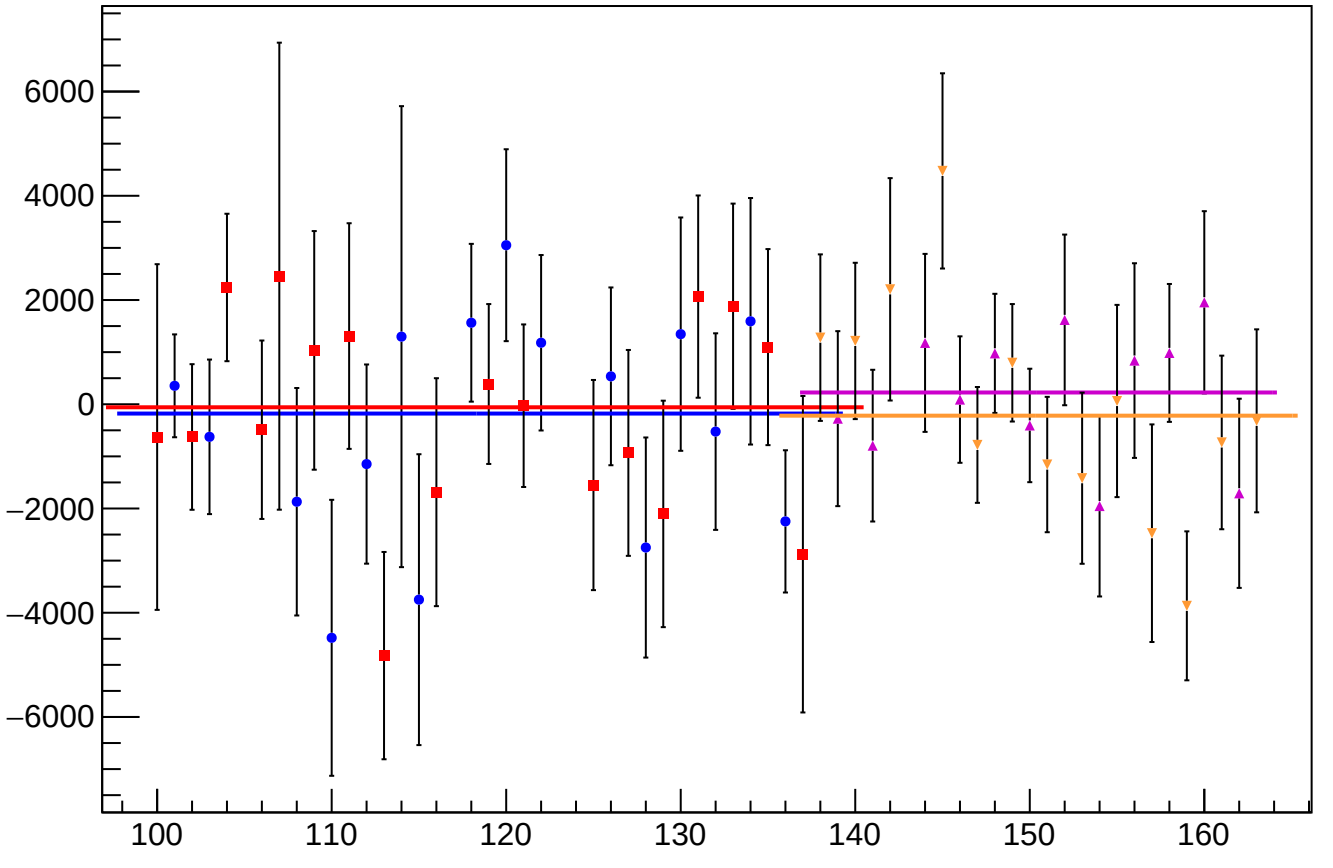
Left: 780.176+/-0.121 χ^2/NDF: 4940.8/24

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

In: 780.272+/-0.131 χ^2/NDF:15000.8/27

Out: 781.677+/-0.131 χ^2/NDF:9486.7/30

All: 780.976+/-0.093 χ^2/NDF: 24544.7/58



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

Left Out: -218.951+/-422.561 χ^2/NDF:19.3/12

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

Left In: 225.785+/-420.573 χ^2/NDF:6.5/11

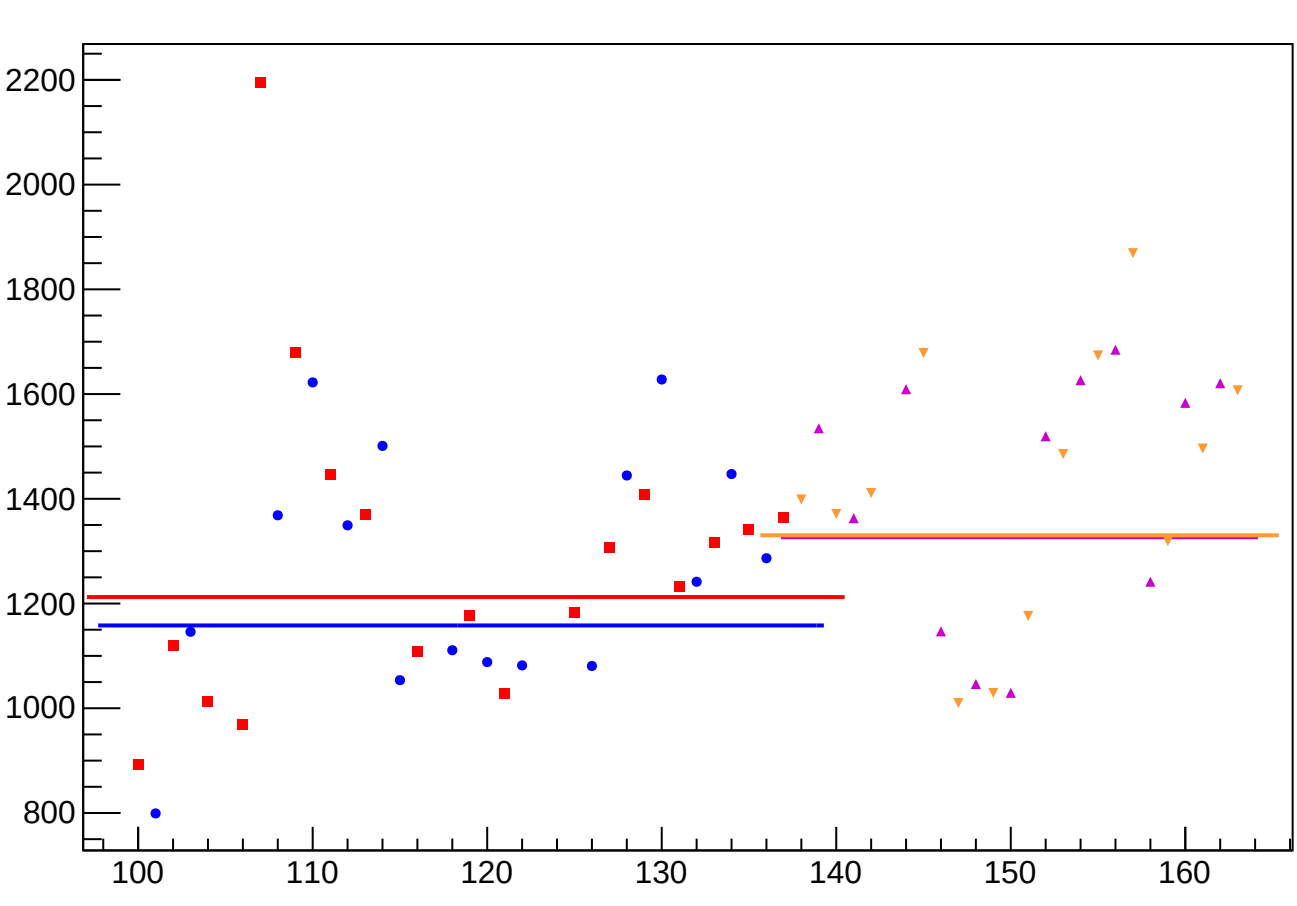
Left: 4.465+/-298.090 χ^2/NDF: 26.4/24

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

In: 33.342+/-304.427 χ^2/NDF:22.7/27

Out: -144.474+/-309.697 χ^2/NDF:34.6/30

All: -54.040+/-217.102 χ^2/NDF: 57.5/58



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

Left Out: 1330.315+/-0.299 χ^2/NDF:704392.8/12

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

Left In: 1326.512+/-0.297 χ^2/NDF:665052.8/11

Left: 1328.404+/-0.211 χ^2/NDF: 1369526.9/24

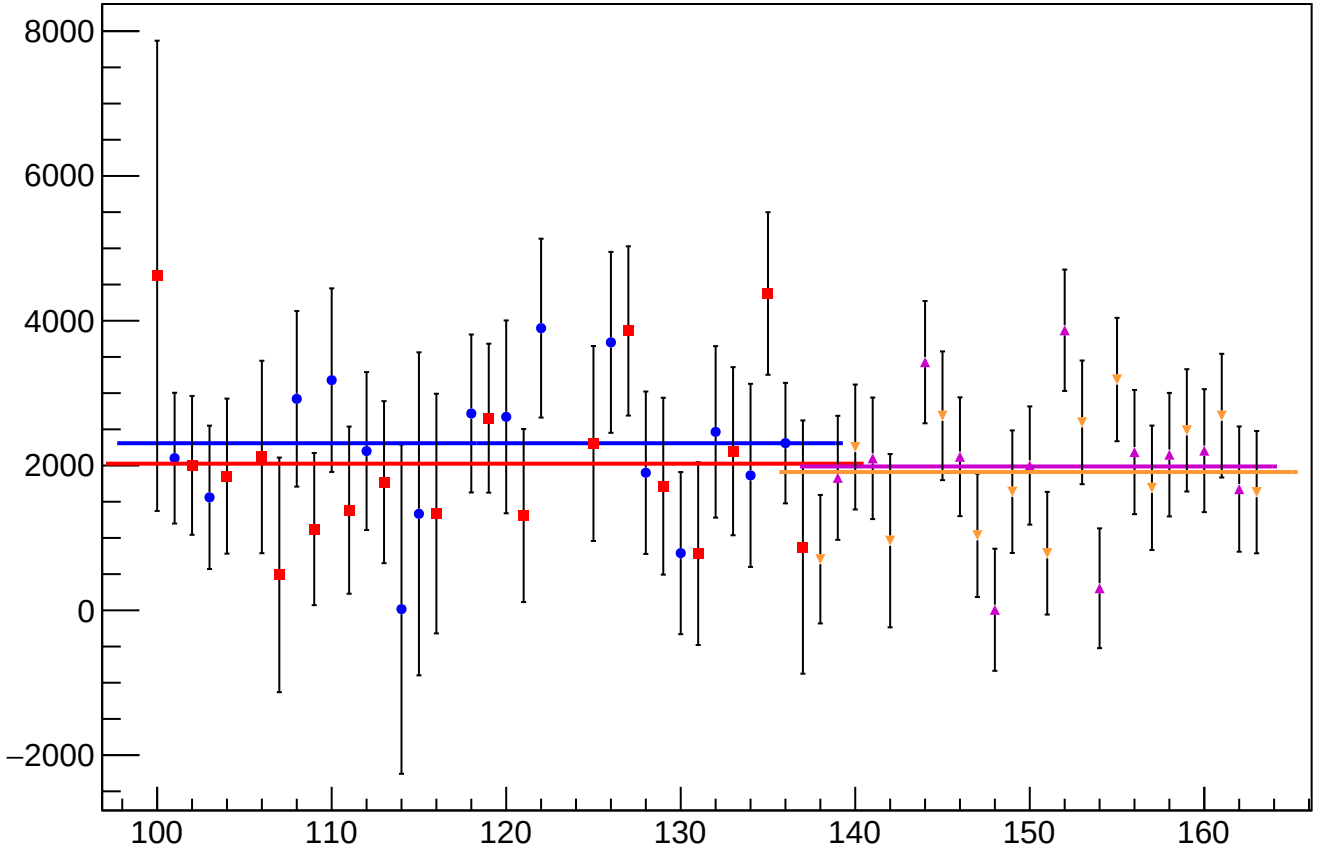
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1246.354+/-0.215 χ^2/NDF:1386806.6/27

Out: 1275.713+/-0.219 χ^2/NDF:1174478.1/30

All: 1260.782+/-0.154 χ^2/NDF: 2570425.8/58

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1910.438+/-242.442 χ^2/NDF:10.7/12

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

Left In: 1987.326+/-243.155 χ^2/NDF:18.0/11

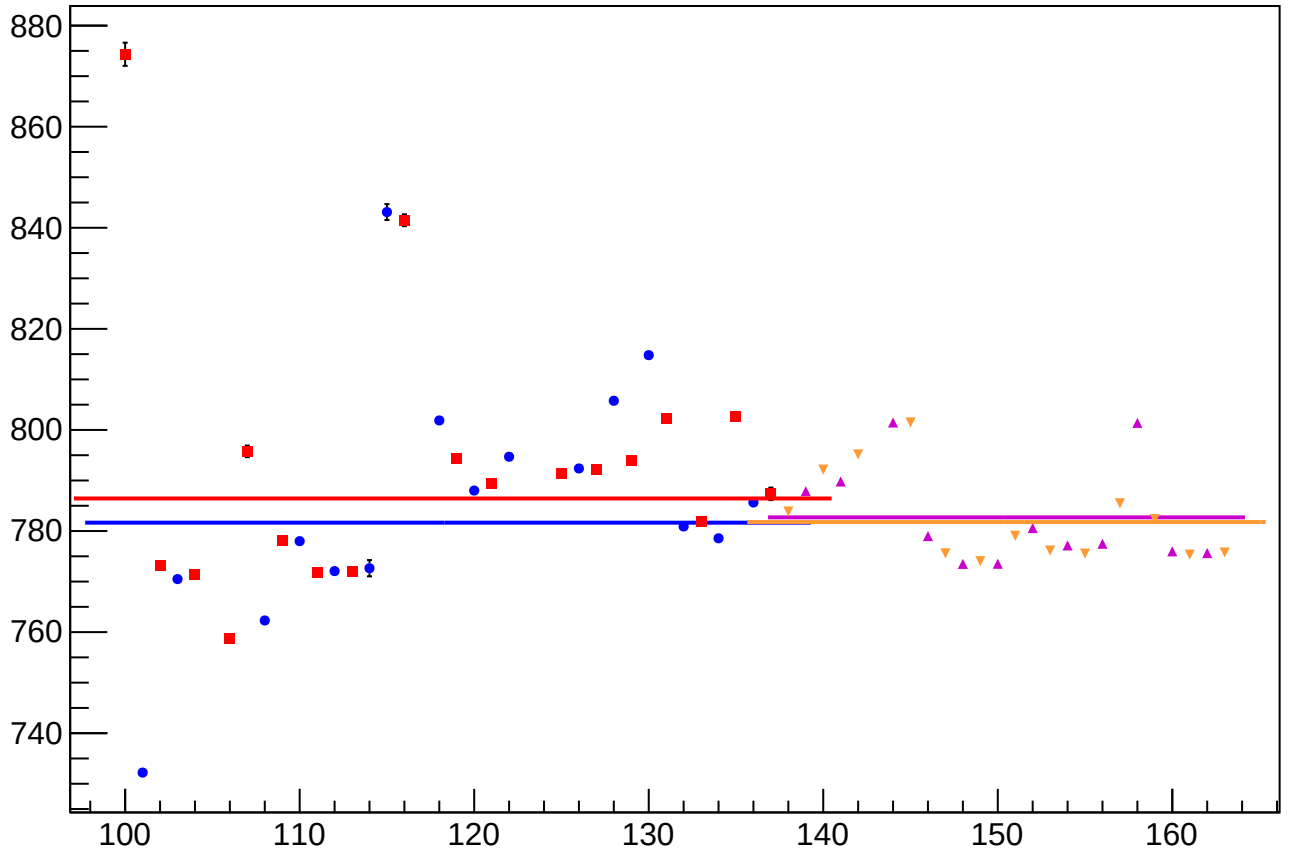
Left: 1948.769+/-171.684 χ^2/NDF: 28.7/24

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

In: 2119.536+/-186.440 χ^2/NDF:26.5/27

Out: 1957.864+/-185.951 χ^2/NDF:22.7/30

All: 2038.488+/-131.660 χ^2/NDF: 49.5/58



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

Left Out: 781.777+/-0.171 χ^2/NDF:2275.5/12

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

Left In: 782.707+/-0.172 χ^2/NDF:3131.2/11

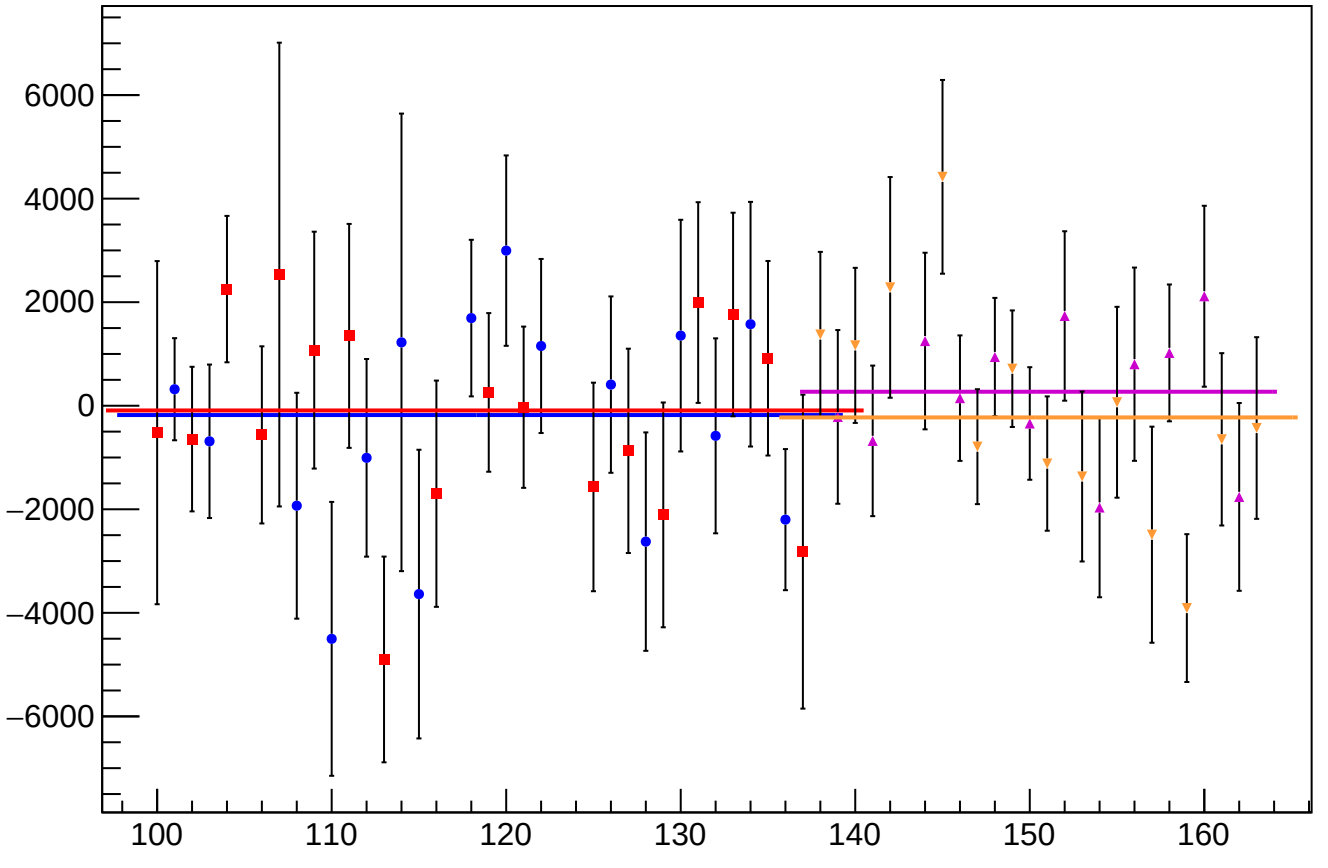
Left: 782.241+/-0.121 χ^2/NDF: 5421.3/24

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

In: 782.273+/-0.132 χ^2/NDF:15465.7/27

Out: 783.698+/-0.131 χ^2/NDF:9782.1/30

All: 782.987+/-0.093 χ^2/NDF: 25306.3/58



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

Left Out: -225.757+/-422.149 χ^2/NDF:19.3/12

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

Left In: 270.229+/-420.182 χ^2/NDF:6.7/11

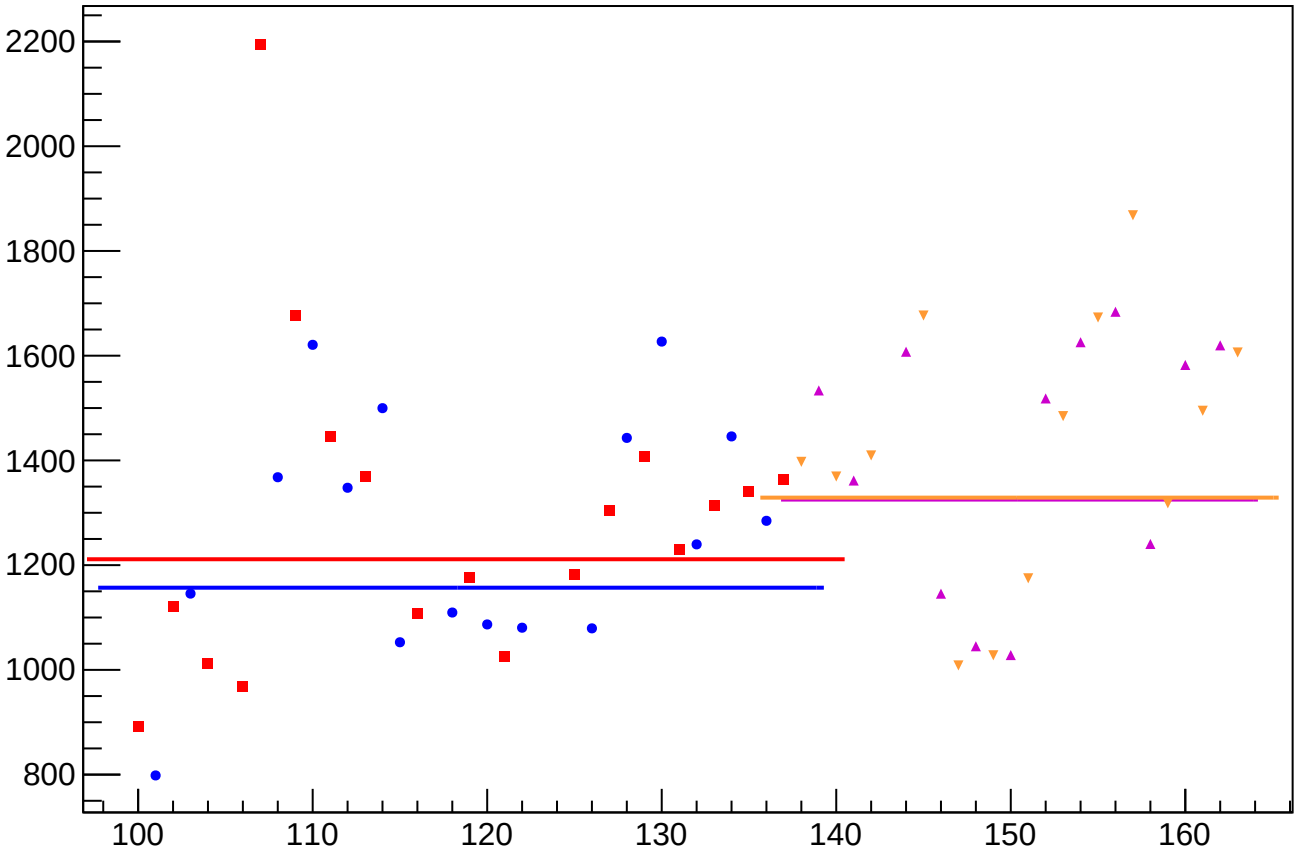
Left: 23.395+/-297.807 χ^2/NDF: 26.7/24

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

In: 55.909+/-304.132 χ^2/NDF:22.7/27

Out: -163.524+/-309.408 χ^2/NDF:34.5/30

All: -51.920+/-216.895 χ^2/NDF: 57.5/58


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
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1400
1200
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110
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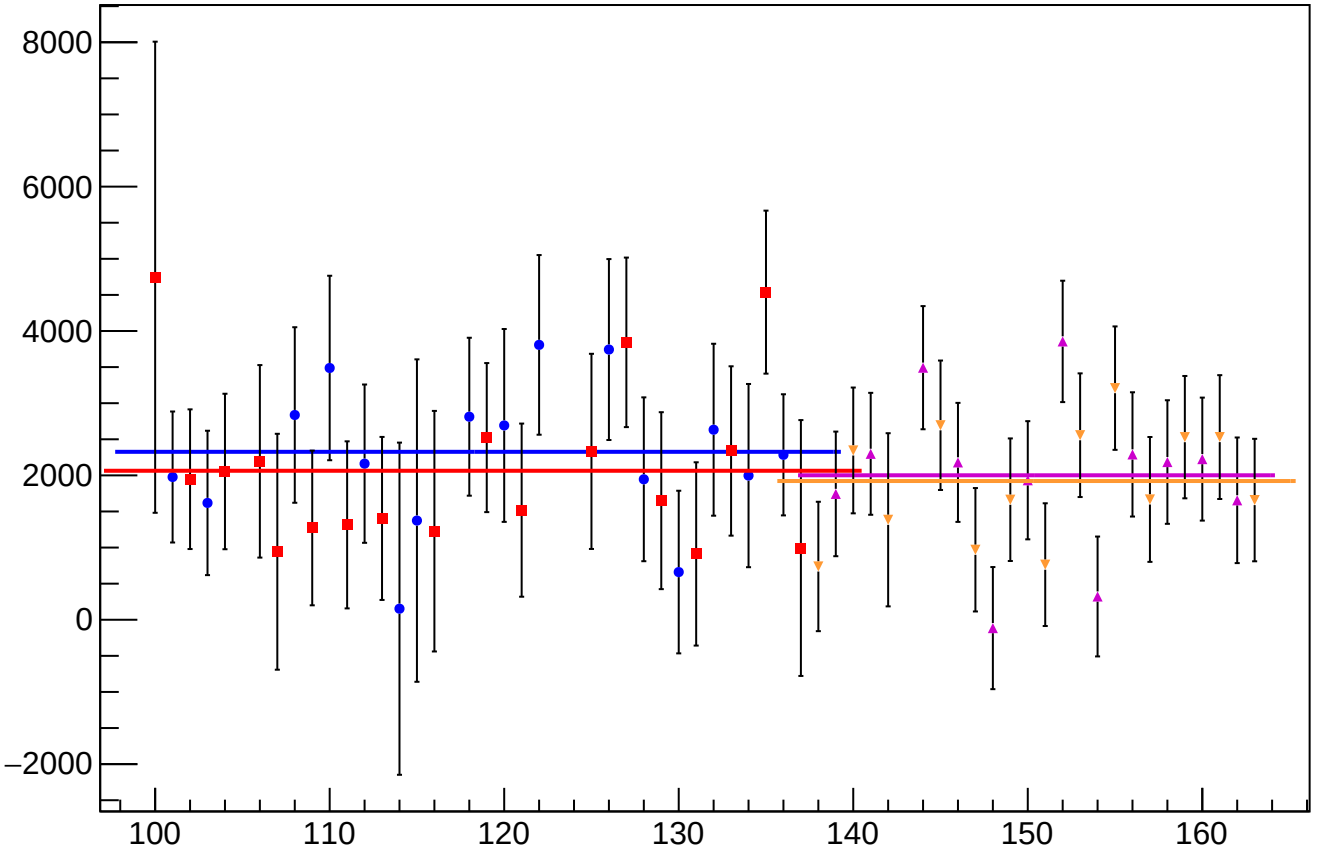
130
140
150
160
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1328.939+/-0.299 χ²/NDF:706234.3/12
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1325.217+/-0.297 χ²/NDF:666630.7/11
Left: 1327.069+/-0.211 χ²/NDF: 1372943.1/24
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1245.104+/-0.215 χ²/NDF:1388457.8/27
Out: 1274.478+/-0.219 χ²/NDF:1175871.3/30
All: 1259.539+/-0.153 χ²/NDF: 2573496.7/58

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1921.768+/-243.612 χ^2/NDF:10.1/12

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

Left In: 2001.337+/-244.275 χ^2/NDF:18.9/11

Left: 1961.444+/-172.494 χ^2/NDF: 29.1/24

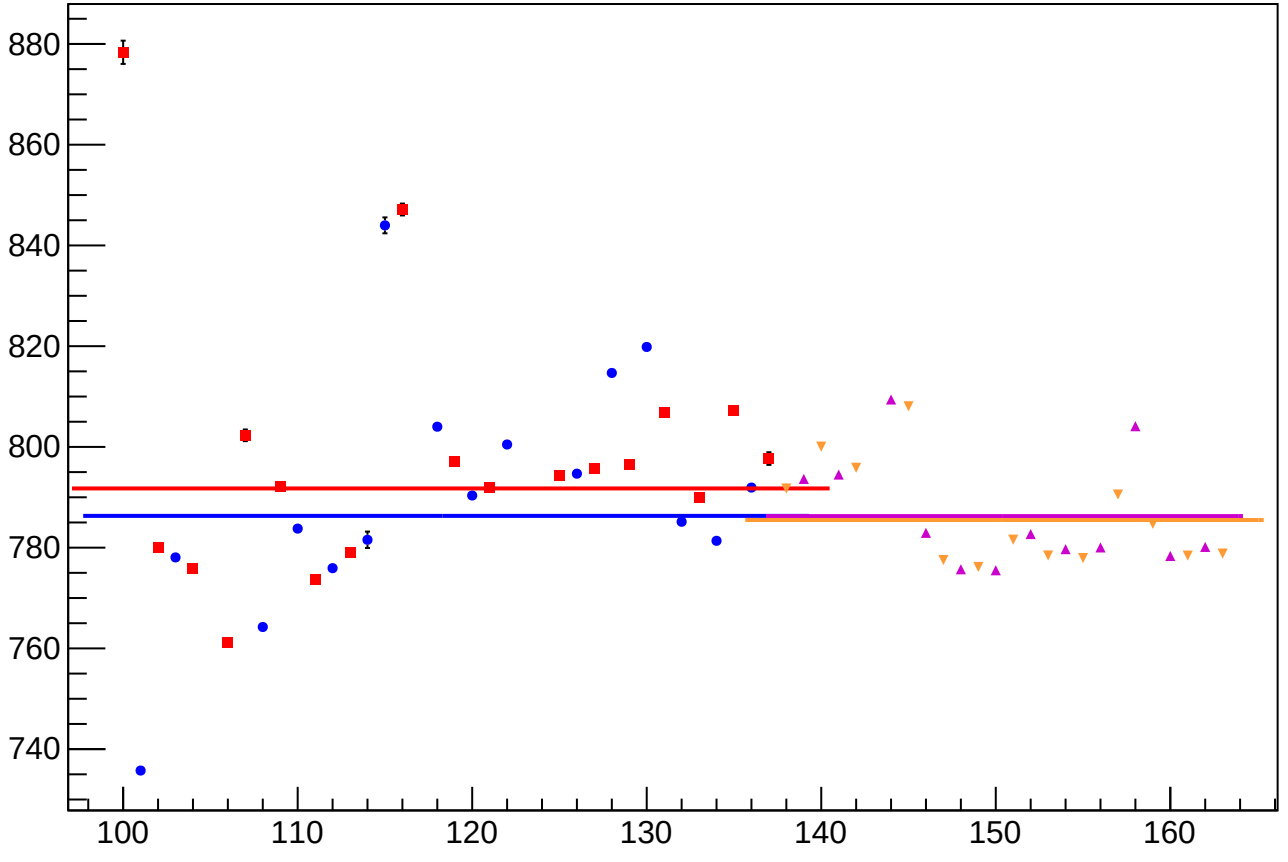
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2135.085+/-187.406 χ^2/NDF:27.8/27

Out: 1980.178+/-187.005 χ^2/NDF:21.9/30

All: 2057.466+/-132.374 χ^2/NDF: 50.0/58

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

Left In: 786.268+/-0.173 χ^2/NDF:3905.2/11

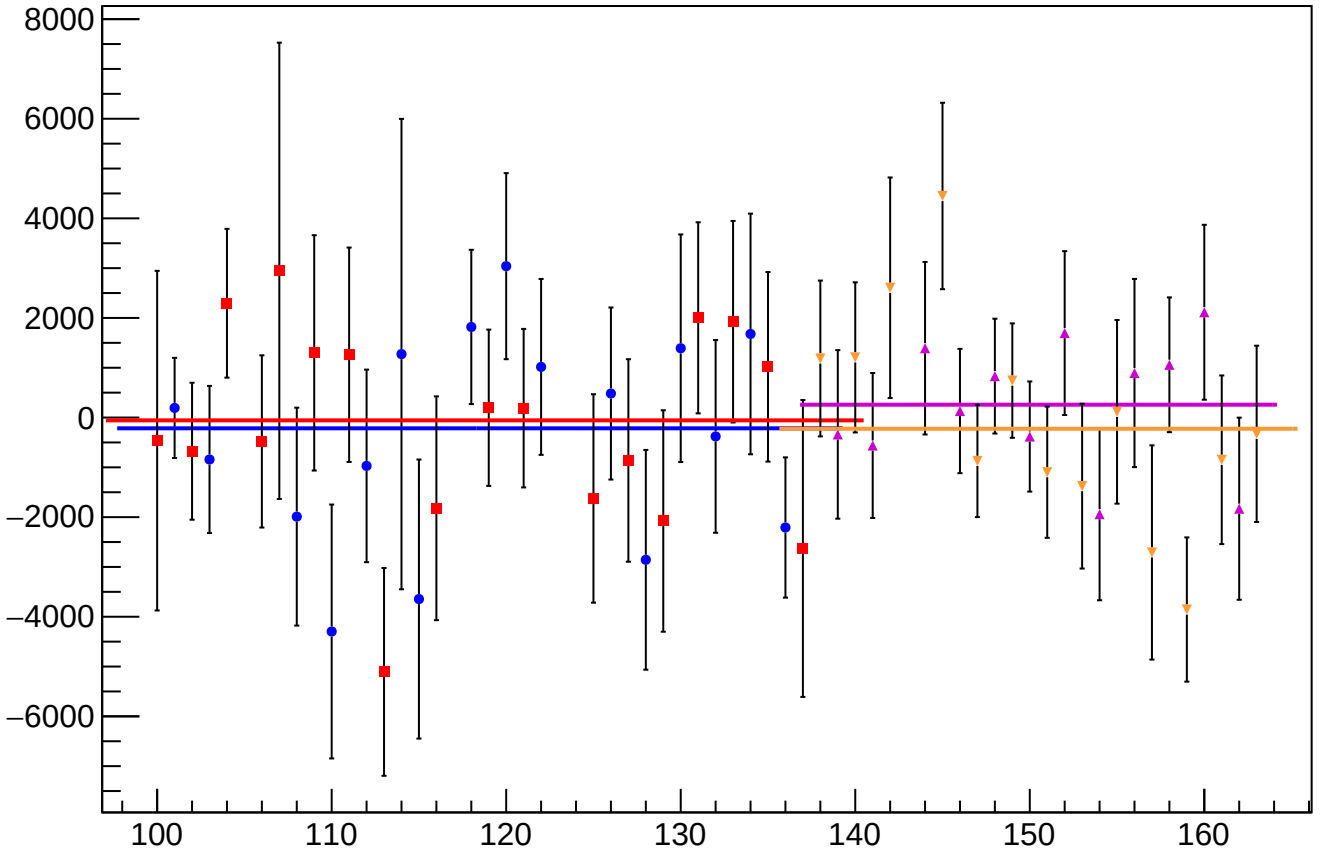
Left: 785.876+/-0.122 χ^2/NDF: 7065.8/24

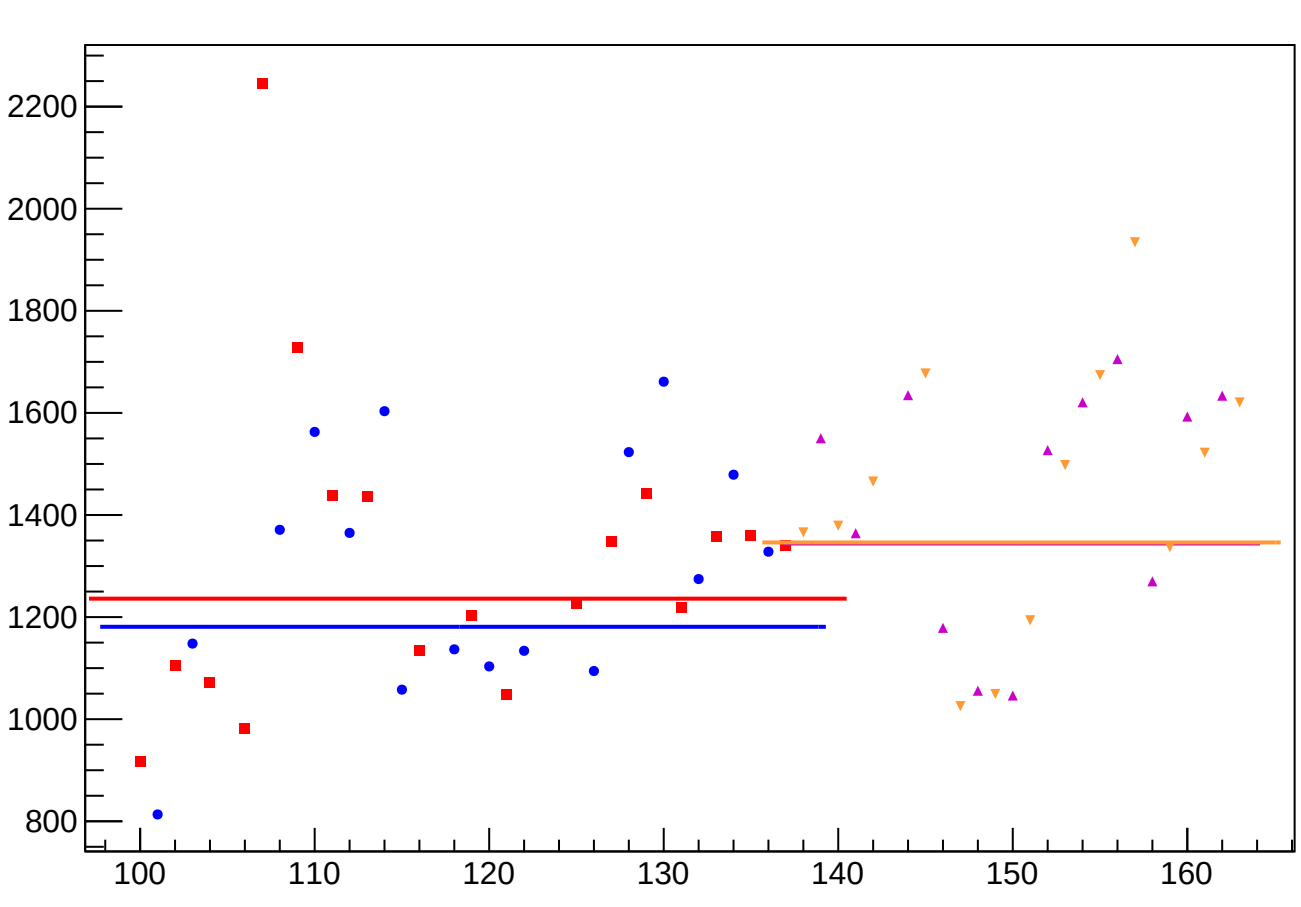
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 786.285+/-0.133 χ^2/NDF:16476.3/27

Out: 788.062+/-0.132 χ^2/NDF:10709.5/30

All: 787.175+/-0.094 χ^2/NDF: 27275.9/58


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -224.785+/-427.291 χ²/NDF:19.3/12
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 257.950+/-425.628 χ²/NDF:6.7/11
Left: 17.524+/-301.551 χ²/NDF: 26.7/24
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 33.826+/-309.071 χ²/NDF:22.6/27
Out: -147.688+/-314.311 χ²/NDF:34.5/30
All: -55.405+/-220.376 χ²/NDF: 57.3/58



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

Left Out: 1346.244+/-0.302 χ^2/NDF:690479.8/12

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

Left In: 1344.153+/-0.301 χ^2/NDF:636945.1/11

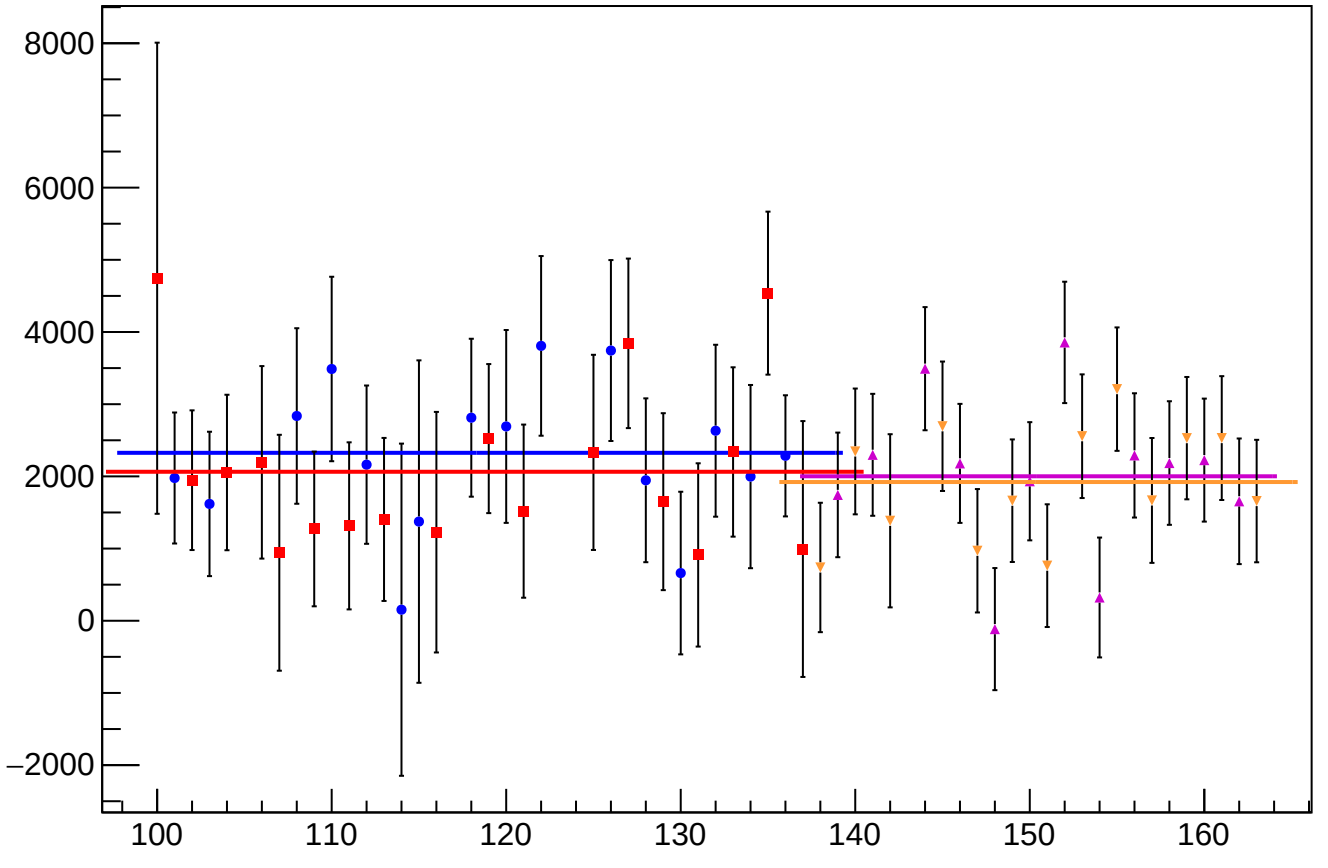
Left: 1345.194+/-0.213 χ^2/NDF: 1327448.9/24

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

In: 1267.029+/-0.219 χ^2/NDF:1346969.7/27

Out: 1295.714+/-0.222 χ^2/NDF:1148669.6/30

All: 1281.130+/-0.156 χ^2/NDF: 2504108.1/58



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

Left Out: 1921.764+/-243.612 χ^2/NDF:10.1/12

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

Left In: 2001.339+/-244.275 χ^2/NDF:18.9/11

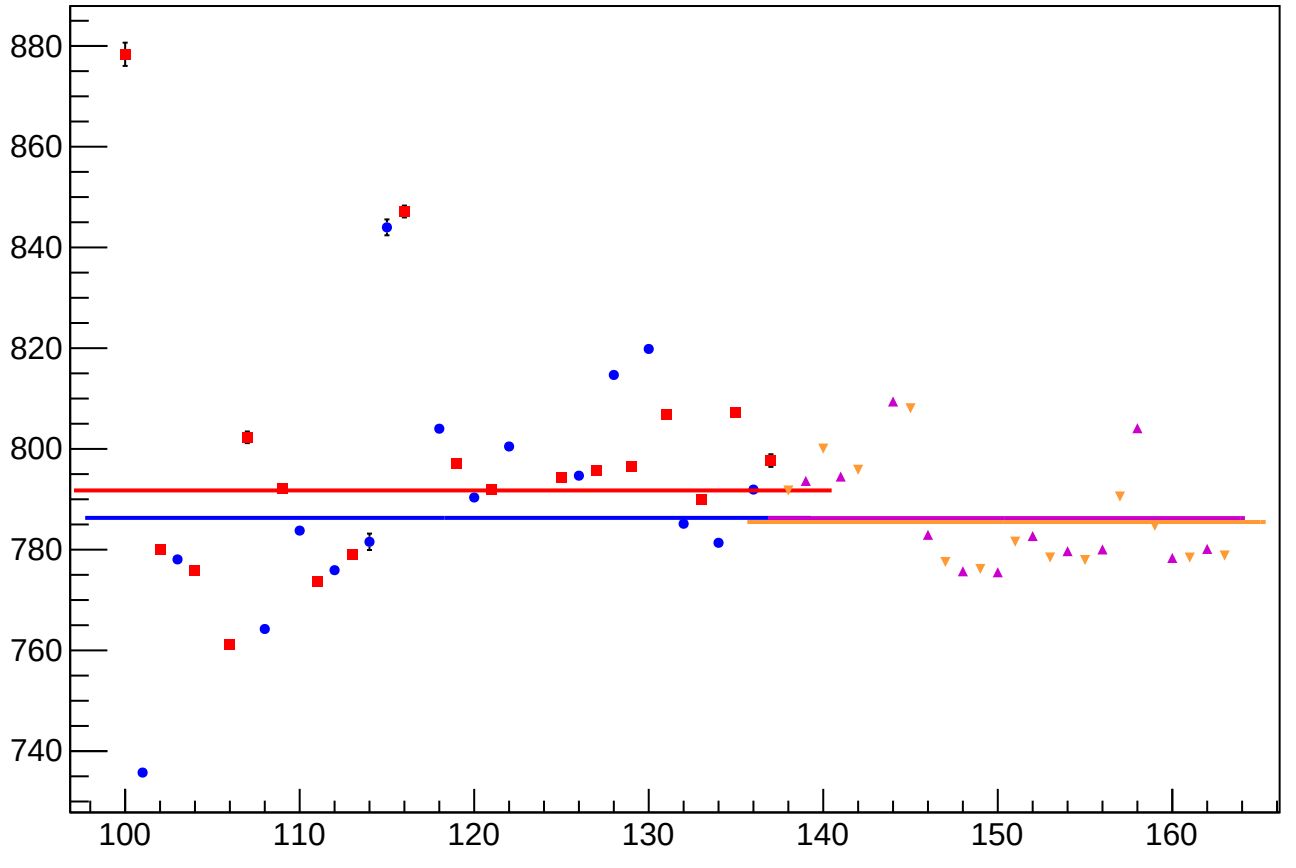
Left: 1961.443+/-172.494 χ^2/NDF: 29.1/24

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

In: 2135.086+/-187.406 χ^2/NDF:27.8/27

Out: 1980.176+/-187.005 χ^2/NDF:21.9/30

All: 2057.465+/-132.374 χ^2/NDF: 50.0/58



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

Left Out: 785.487+/-0.172 χ^2/NDF:3150.3/12

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

Left In: 786.268+/-0.173 χ^2/NDF:3905.2/11

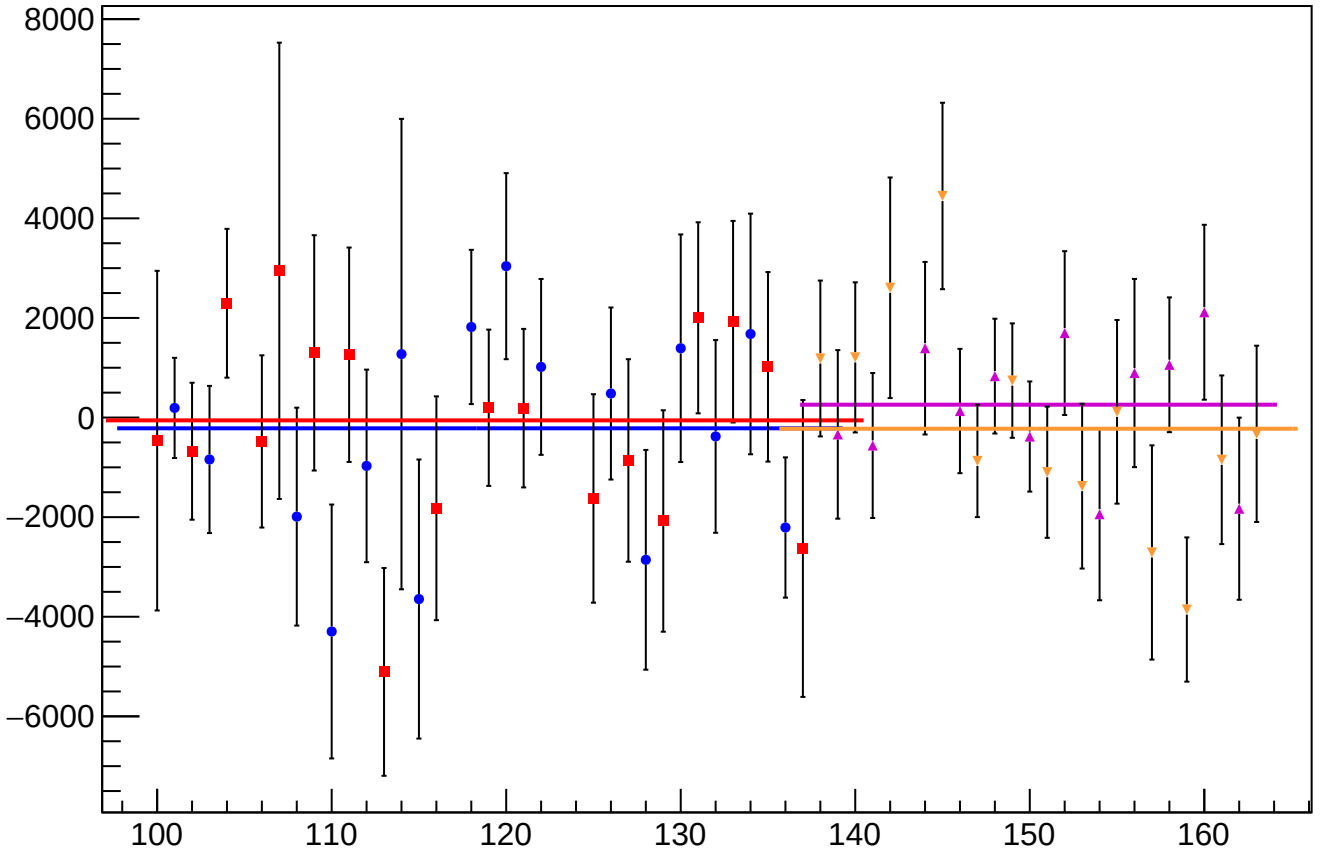
Left: 785.876+/-0.122 χ^2/NDF: 7065.8/24

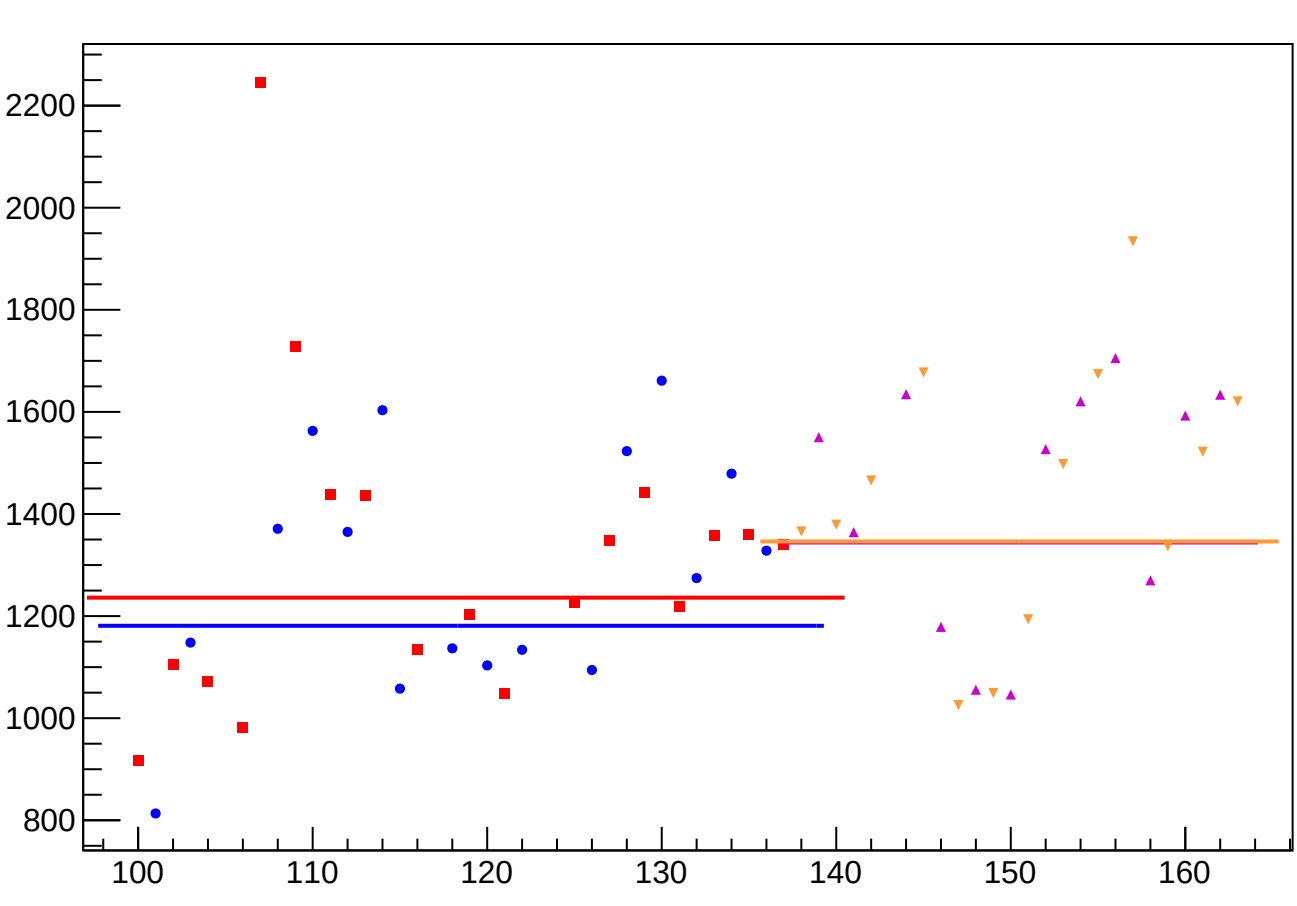
Right: 789.036+/-0.146 χ^2/NDF: 19934.1/33

In: 786.285+/-0.133 χ^2/NDF:16476.3/27

Out: 788.062+/-0.132 χ^2/NDF:10709.4/30

All: 787.175+/-0.094 χ^2/NDF: 27275.8/58


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: -216.183+/-449.536 χ²/NDF: 15.3/15
Left Out: -224.789+/-427.292 χ²/NDF:19.3/12
Right Out: -56.784+/-463.977 χ²/NDF: 15.1/17
Left In: 257.951+/-425.629 χ²/NDF:6.7/11
Left: 17.522+/-301.551 χ²/NDF: 26.7/24
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 33.826+/-309.071 χ²/NDF:22.6/27
Out: -147.690+/-314.311 χ²/NDF:34.5/30
All: -55.406+/-220.376 χ²/NDF: 57.3/58



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

Left Out: 1346.246+/-0.302 χ^2/NDF:690481.9/12

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

Left In: 1344.155+/-0.301 χ^2/NDF:636946.2/11

Left: 1345.197+/-0.213 χ^2/NDF: 1327452.2/24

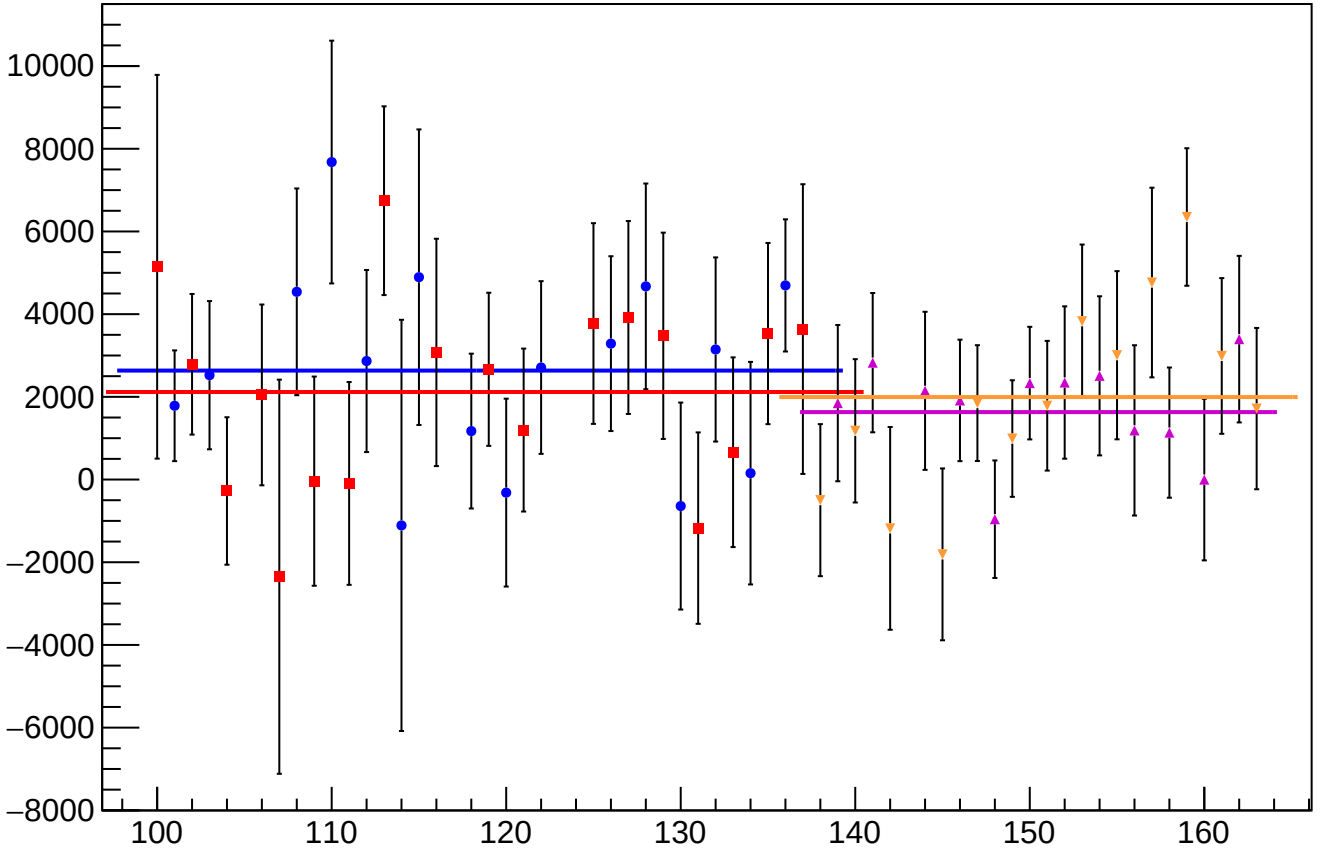
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1267.029+/-0.219 χ^2/NDF:1346978.4/27

Out: 1295.713+/-0.222 χ^2/NDF:1148676.8/30

All: 1281.130+/-0.156 χ^2/NDF: 2504123.9/58

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1995.156+/-495.402 χ^2/NDF:17.5/12

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

Left In: 1631.222+/-492.867 χ^2/NDF:6.2/11

Left: 1812.255+/-349.402 χ^2/NDF: 23.9/24

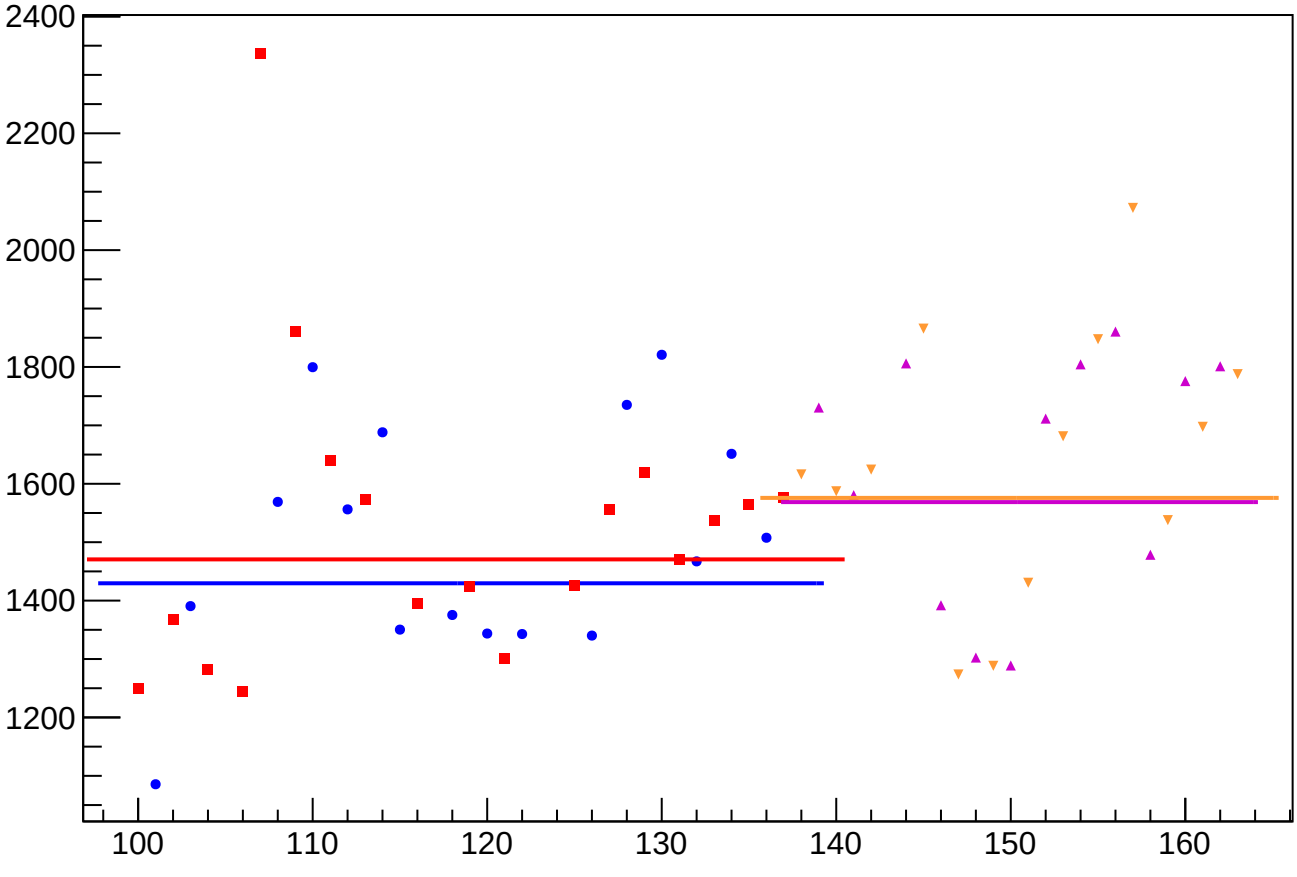
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2089.397+/-363.430 χ^2/NDF:20.3/27

Out: 2050.081+/-367.338 χ^2/NDF:31.2/30

All: 2069.949+/-258.355 χ^2/NDF: 51.6/58

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1575.848+/-0.350 χ^2/NDF:403011.1/12

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

Left In: 1568.640+/-0.349 χ^2/NDF:367078.0/11

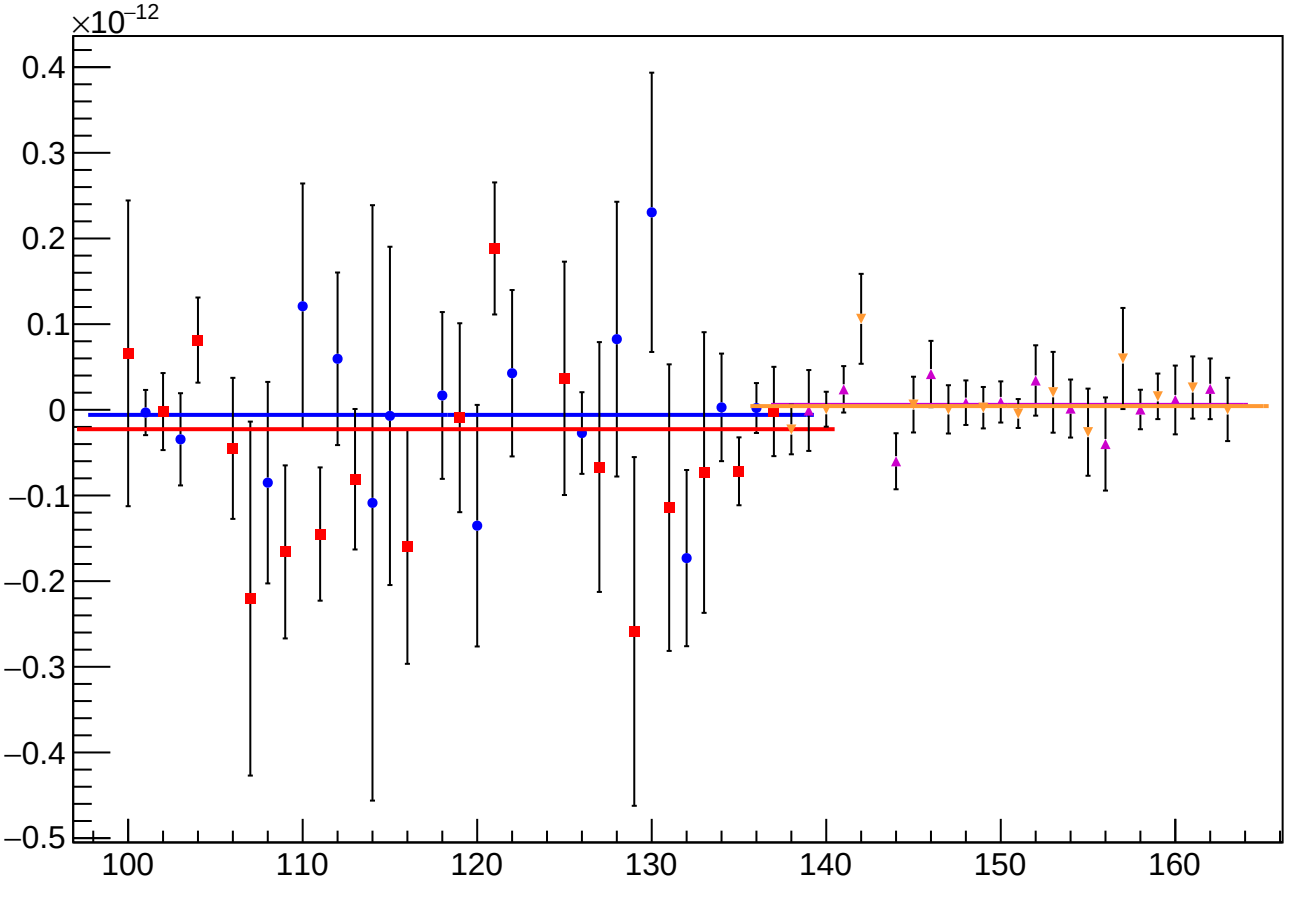
Left: 1572.226+/-0.247 χ^2/NDF: 770301.9/24

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

In: 1505.225+/-0.257 χ^2/NDF:733032.9/27

Out: 1528.451+/-0.260 χ^2/NDF:661743.9/30

All: 1516.714+/-0.183 χ^2/NDF: 1398817.5/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/12

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

Left In: 0.000+/-0.000 χ^2/NDF:7.0/11

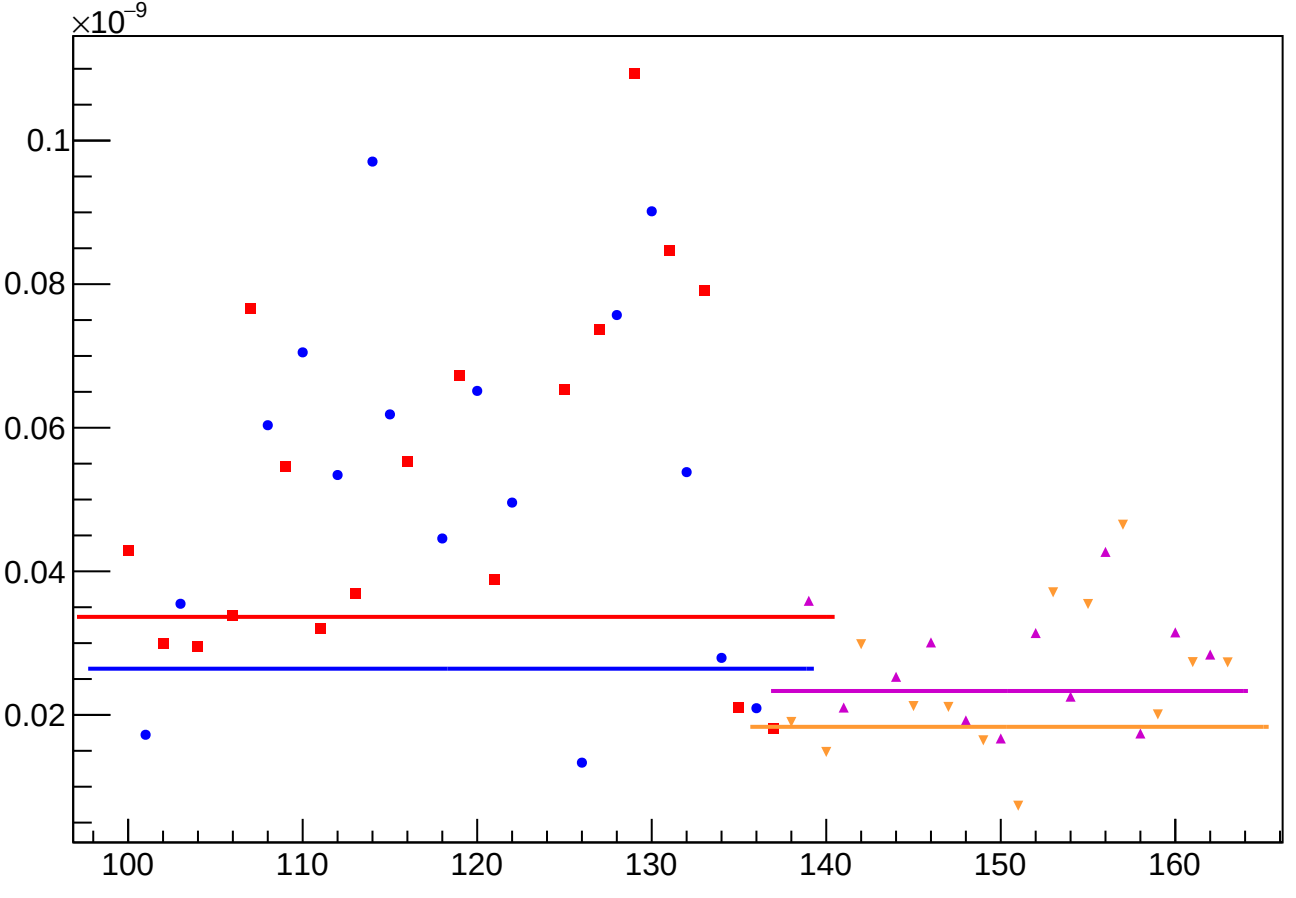
Left: 0.000+/-0.000 χ^2/NDF: 13.9/24

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

In: 0.000+/-0.000 χ^2/NDF:15.9/27

Out: -0.000+/-0.000 χ^2/NDF:31.8/30

All: 0.000+/-0.000 χ^2/NDF: 47.8/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:2297093.4/12

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

Left In: 0.000+/-0.000 χ^2/NDF:1013487.9/11

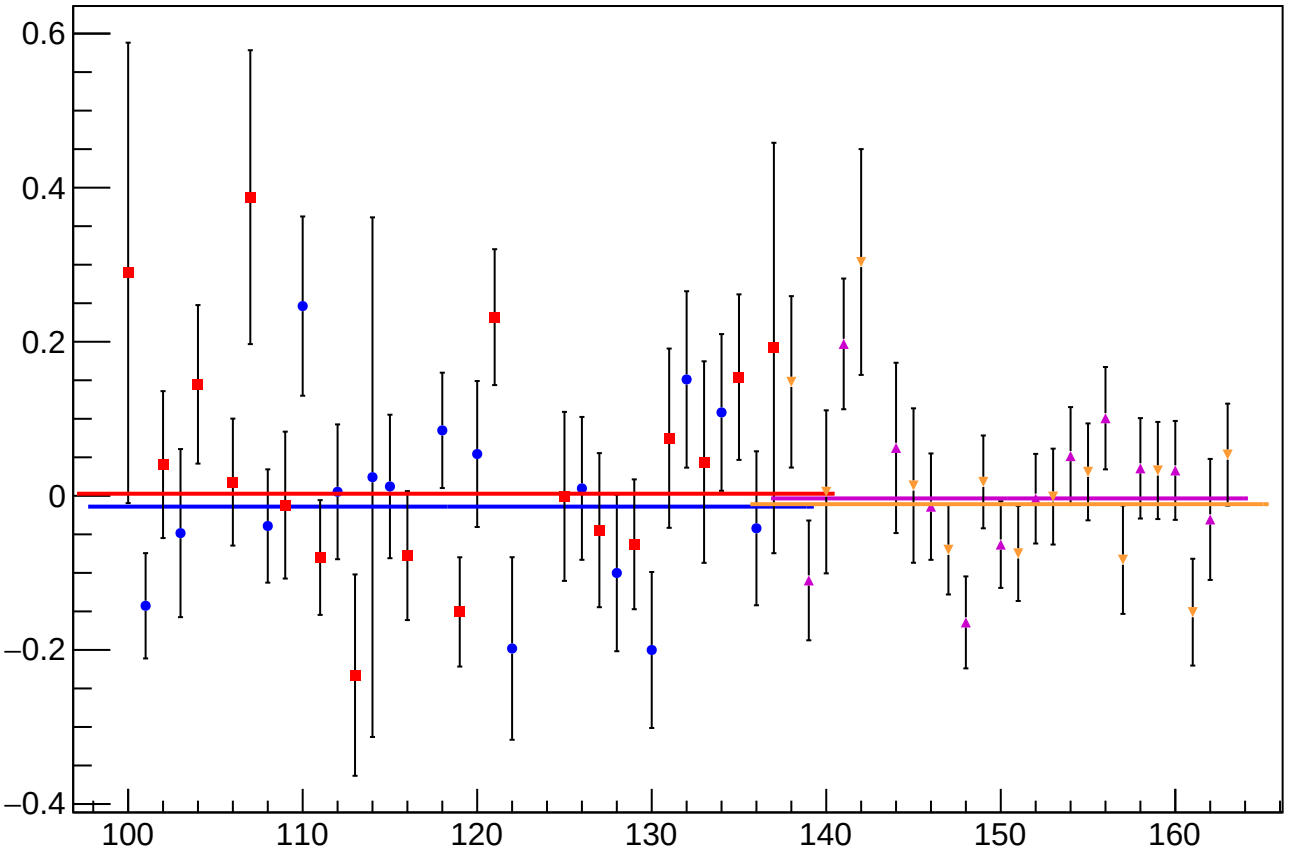
Left: 0.000+/-0.000 χ^2/NDF: 3642606.8/24

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

In: 0.000+/-0.000 χ^2/NDF:3212998.0/27

Out: 0.000+/-0.000 χ^2/NDF:5193975.2/30

All: 0.000+/-0.000 χ^2/NDF: 8596468.9/58



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

Left In: -0.003+/-0.020 χ^2/NDF:20.3/11

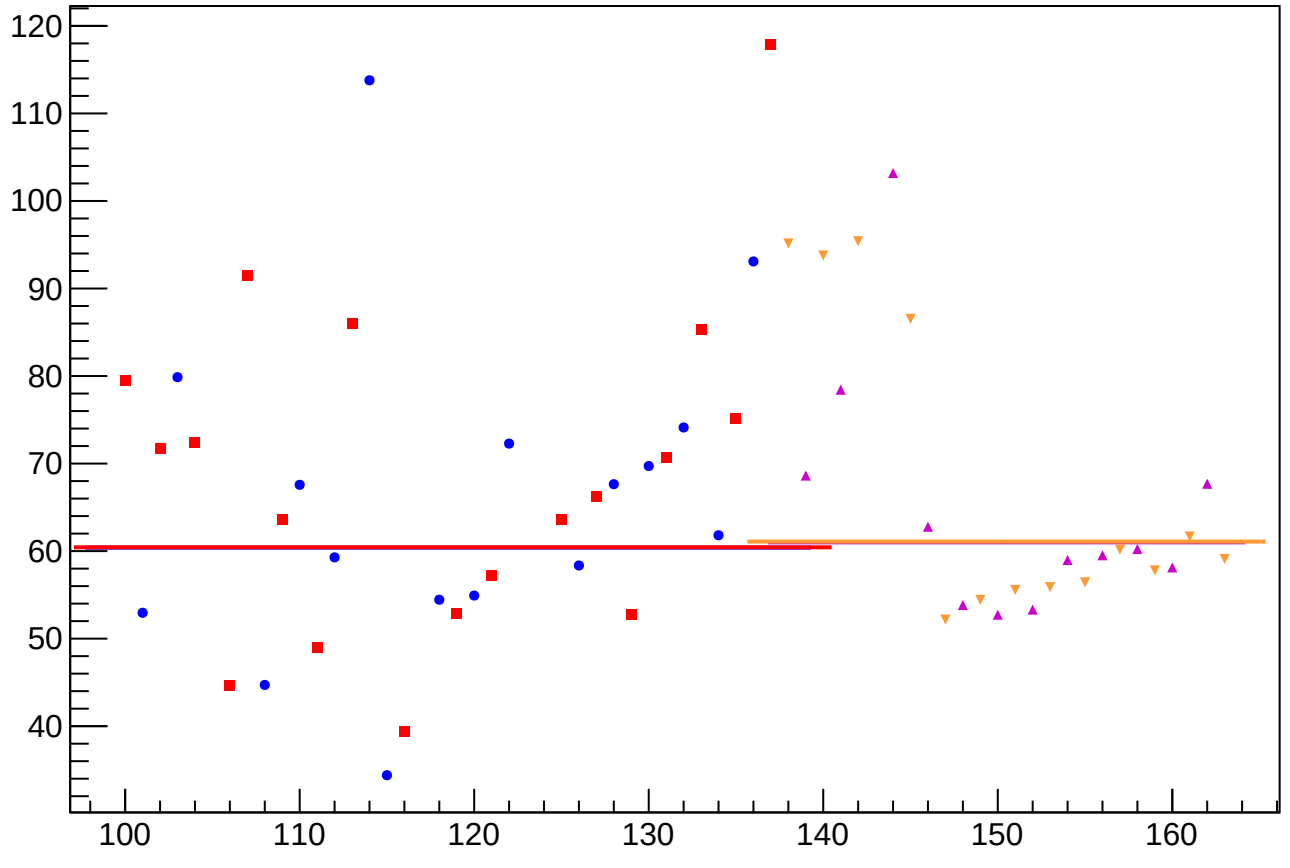
Left: -0.007+/-0.014 χ^2/NDF: 36.4/24

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

In: -0.008+/-0.015 χ^2/NDF:41.7/27

Out: -0.005+/-0.015 χ^2/NDF:44.0/30

All: -0.006+/-0.011 χ^2/NDF: 85.8/58



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

Left Out: 61.088+/-0.014 χ^2/NDF:737049.1/12

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

Left In: 61.001+/-0.014 χ^2/NDF:525188.2/11

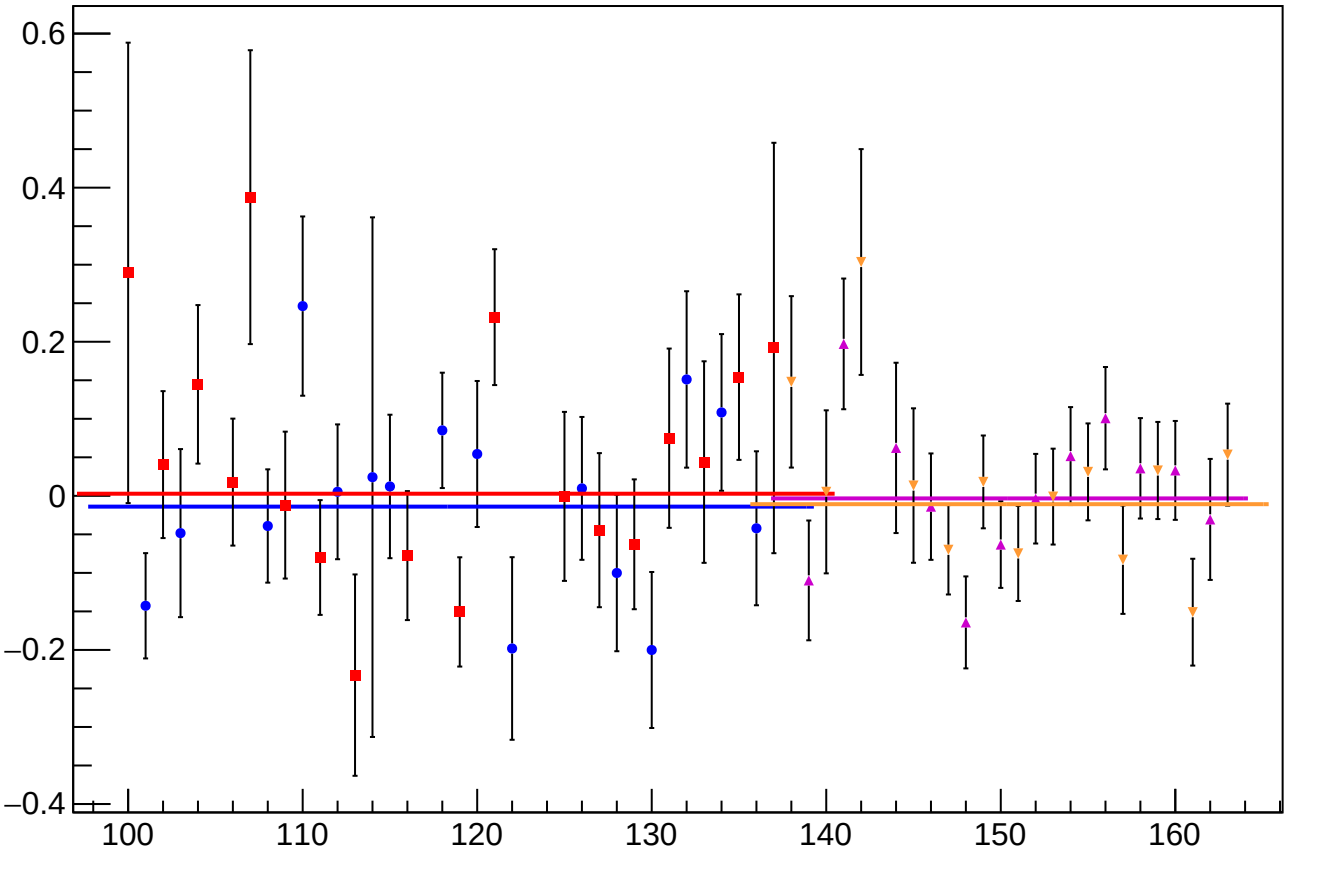
Left: 61.045+/-0.010 χ^2/NDF: 1262256.7/24

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

In: 60.759+/-0.011 χ^2/NDF:1229105.6/27

Out: 60.821+/-0.011 χ^2/NDF:1449036.3/30

All: 60.790+/-0.008 χ^2/NDF: 2678158.5/58



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

Left In: -0.003+/-0.020 χ^2/NDF:20.3/11

Left: -0.007+/-0.014 χ^2/NDF: 36.4/24

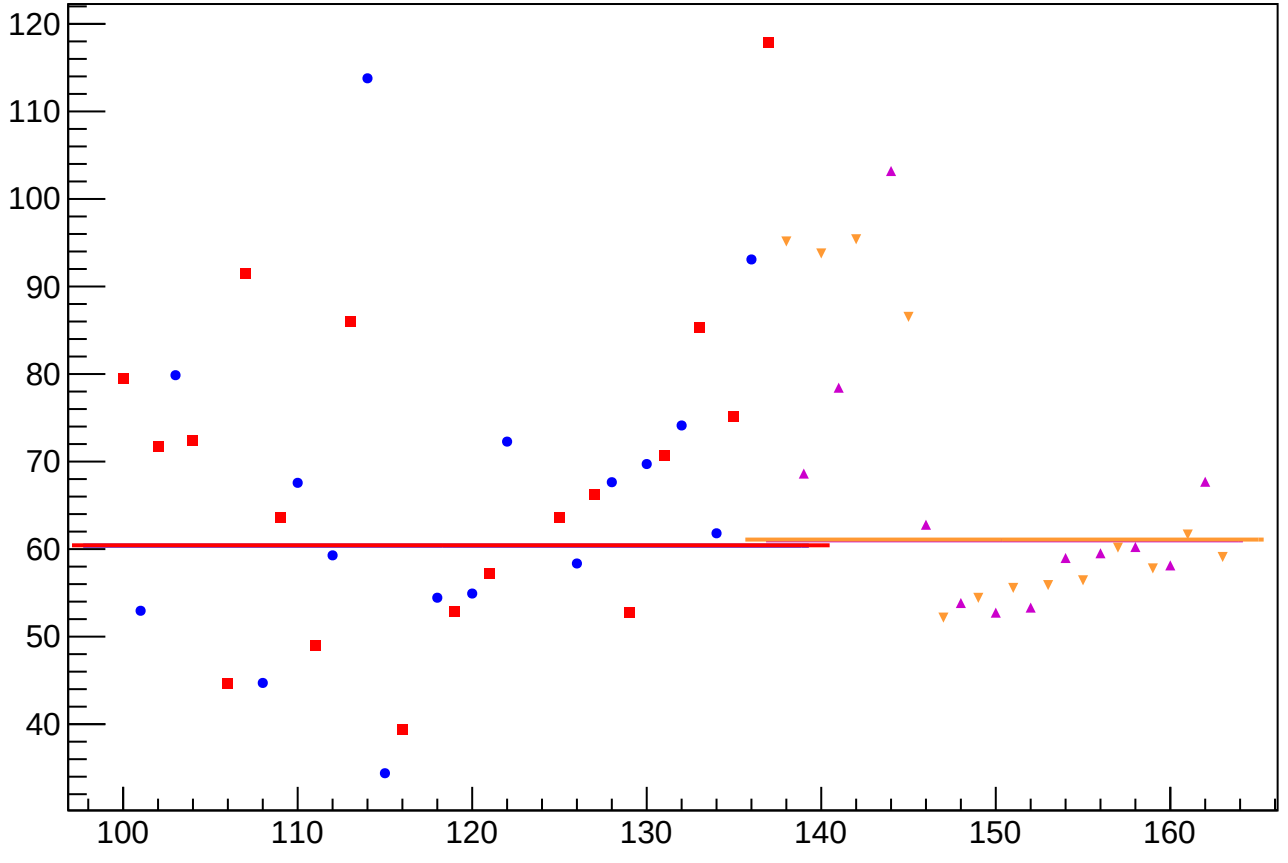
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.008+/-0.015 χ^2/NDF:41.7/27

Out: -0.005+/-0.015 χ^2/NDF:44.0/30

All: -0.006+/-0.011 χ^2/NDF: 85.8/58

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.088+/-0.014 χ^2/NDF:737049.1/12

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

Left In: 61.001+/-0.014 χ^2/NDF:525188.2/11

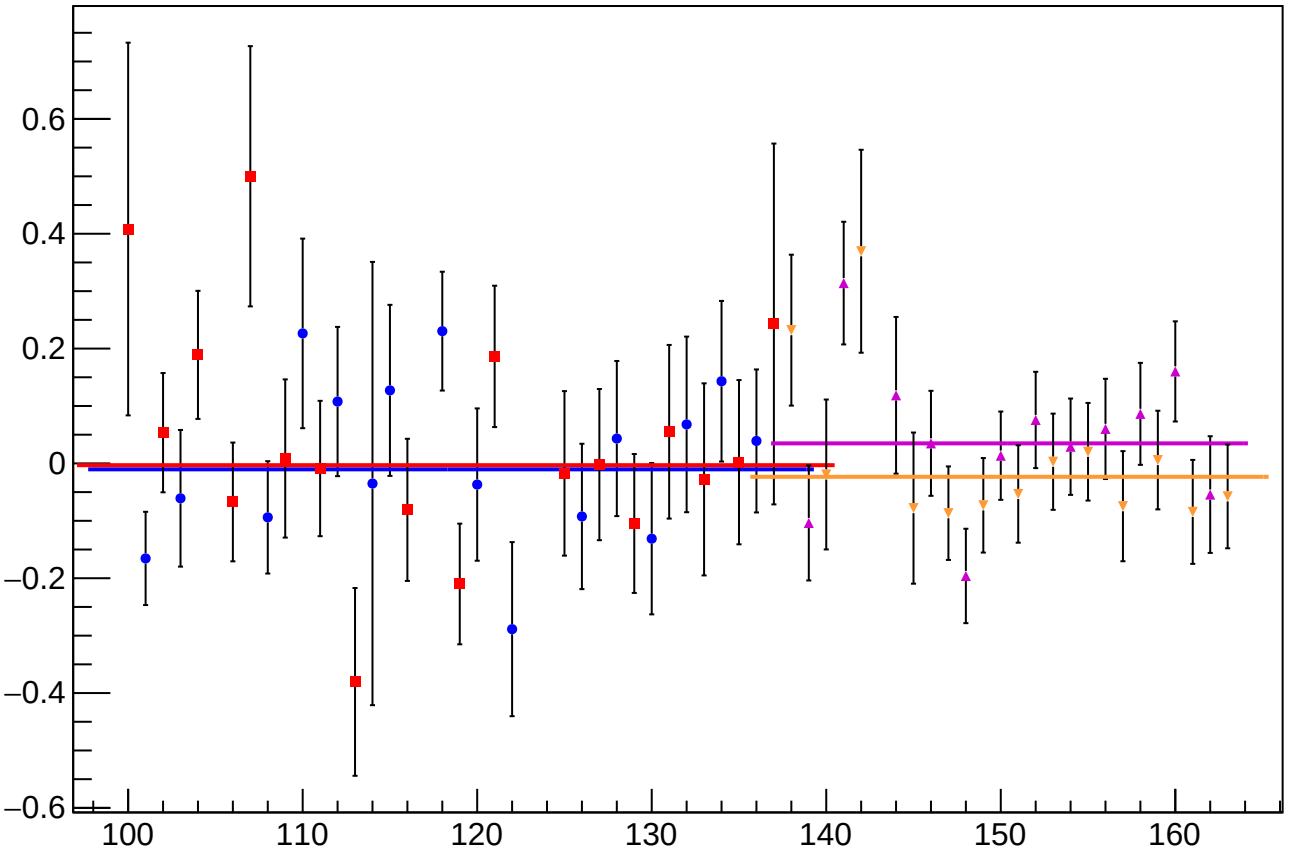
Left: 61.045+/-0.010 χ^2/NDF: 1262256.7/24

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

In: 60.759+/-0.011 χ^2/NDF:1229105.6/27

Out: 60.821+/-0.011 χ^2/NDF:1449036.3/30

All: 60.790+/-0.008 χ^2/NDF: 2678158.5/58



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

Left Out: -0.023+/-0.027 χ^2/NDF:11.3/12

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

Left In: 0.035+/-0.026 χ^2/NDF:20.6/11

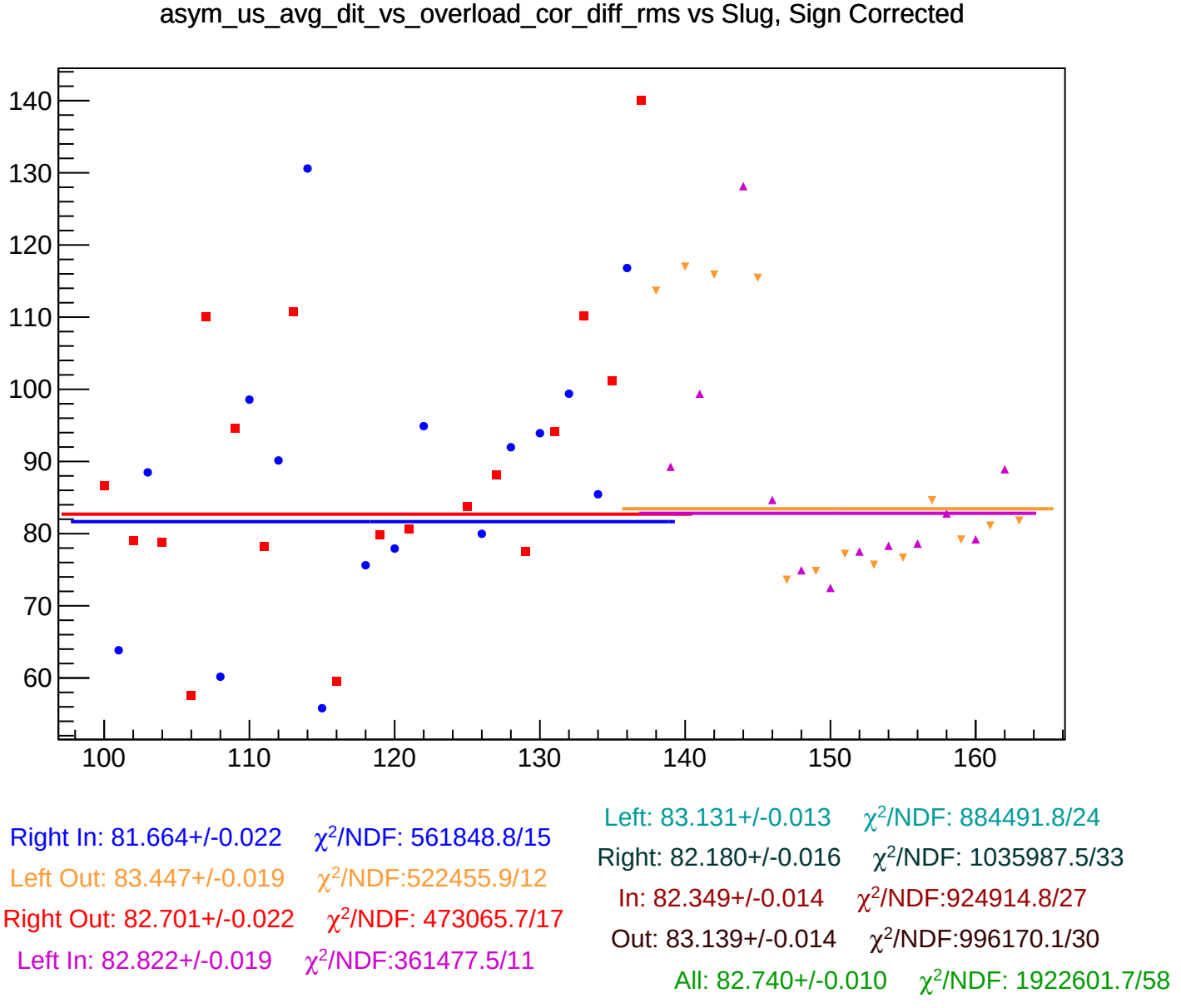
Left: 0.006+/-0.019 χ^2/NDF: 34.4/24

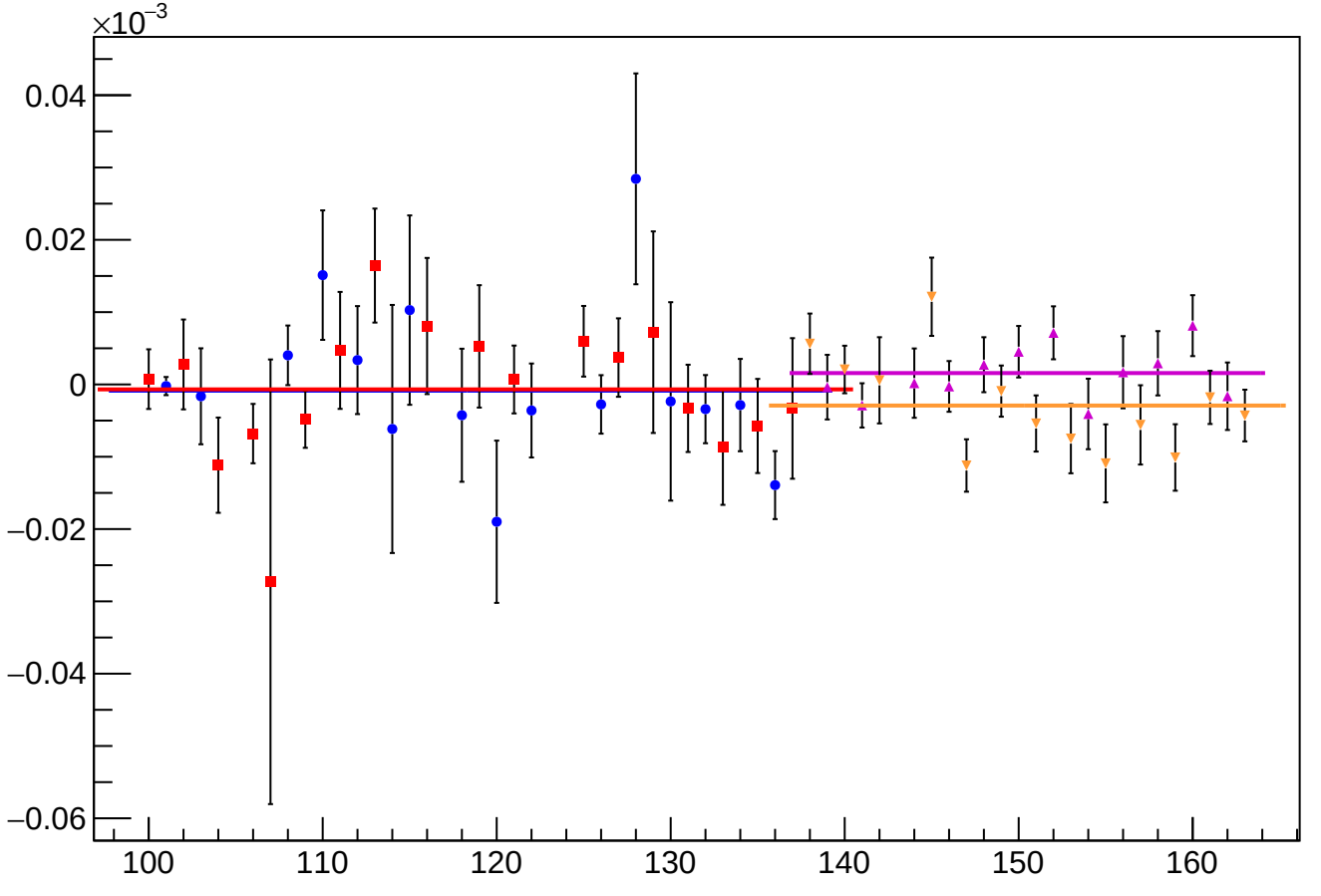
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.016+/-0.020 χ^2/NDF:42.0/27

Out: -0.015+/-0.020 χ^2/NDF:35.2/30

All: 0.001+/-0.014 χ^2/NDF: 78.4/58


asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
Right In: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 83.447+/-0.019 χ²/NDF:522455.9/12
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 82.822+/-0.019 χ²/NDF:361477.5/11
Left: 83.131+/-0.013 χ²/NDF: 884491.8/24
Right: 82.180+/-0.016 χ²/NDF: 1035987.5/33
In: 82.349+/-0.014 χ²/NDF:924914.8/27
Out: 83.139+/-0.014 χ²/NDF:996170.1/30
All: 82.740+/-0.010 χ²/NDF: 1922601.7/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/12

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

Left In: 0.000+/-0.000 χ^2/NDF:10.1/11

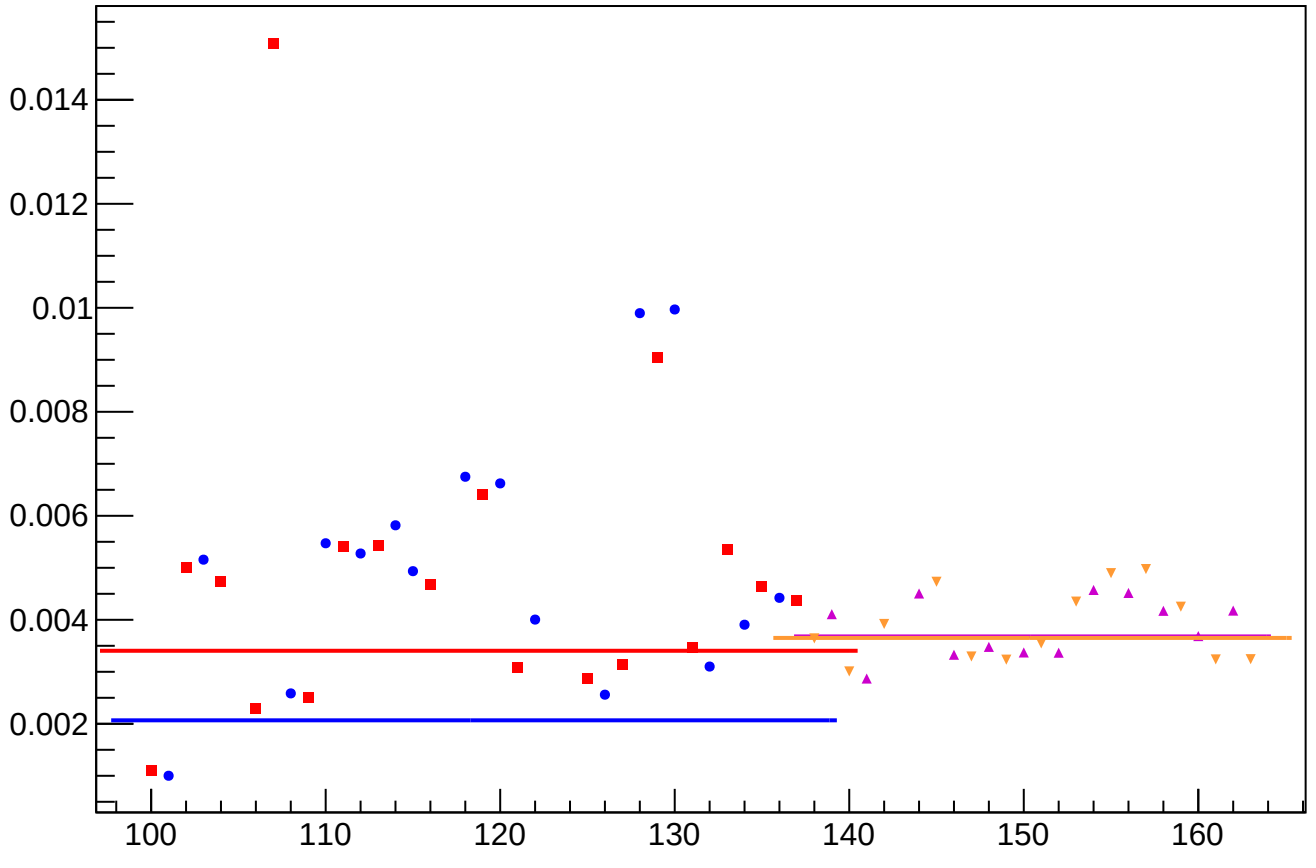
Left: -0.000+/-0.000 χ^2/NDF: 44.1/24

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

In: 0.000+/-0.000 χ^2/NDF:33.9/27

Out: -0.000+/-0.000 χ^2/NDF:46.4/30

All: -0.000+/-0.000 χ^2/NDF: 83.8/58



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

Left Out: 0.004+/-0.000 χ^2/NDF:560576.4/12

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

Left In: 0.004+/-0.000 χ^2/NDF:443616.9/11

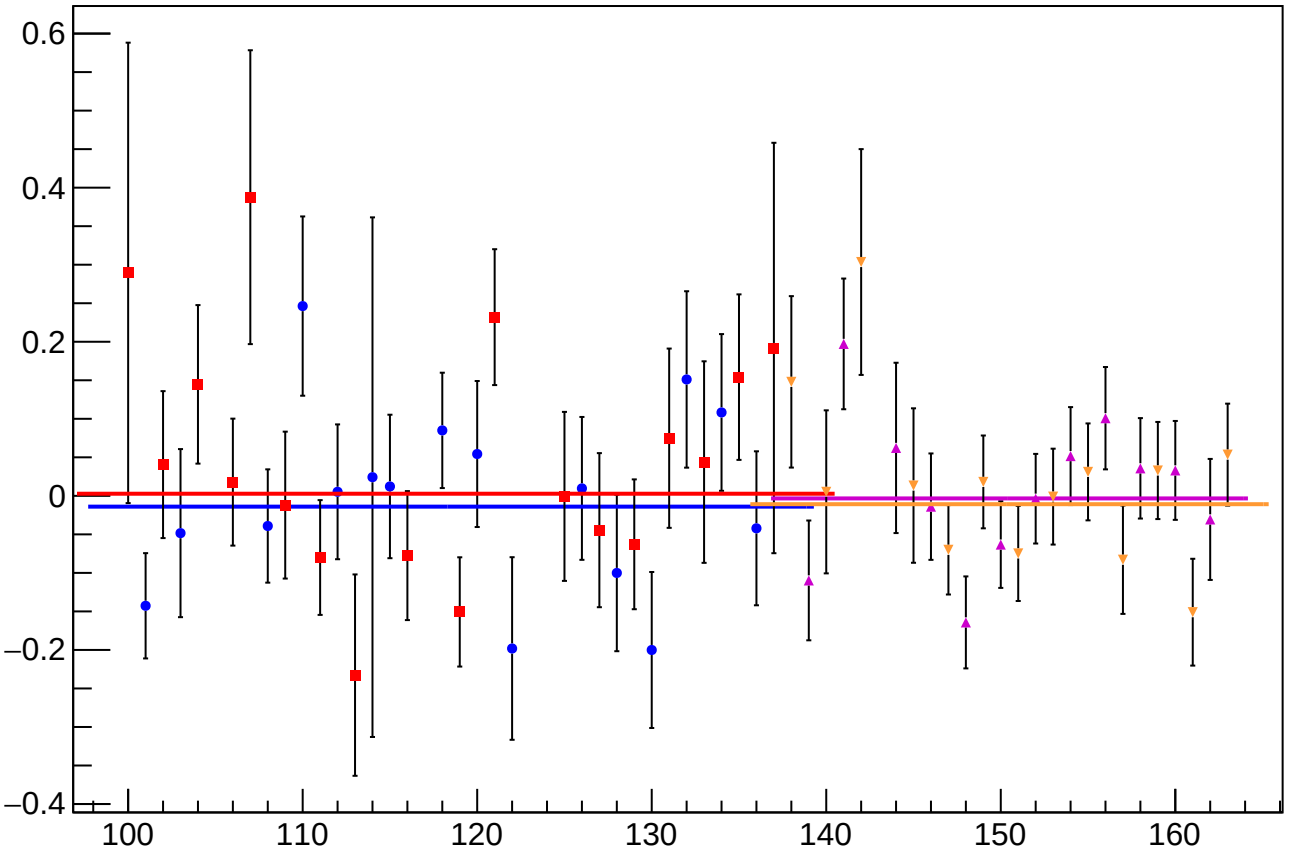
Left: 0.004+/-0.000 χ^2/NDF: 1004819.0/24

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

In: 0.003+/-0.000 χ^2/NDF:8454514.7/27

Out: 0.004+/-0.000 χ^2/NDF:3088066.0/30

All: 0.003+/-0.000 χ^2/NDF: 12450328.2/58



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

Left In: -0.003+/-0.020 χ^2/NDF:20.2/11

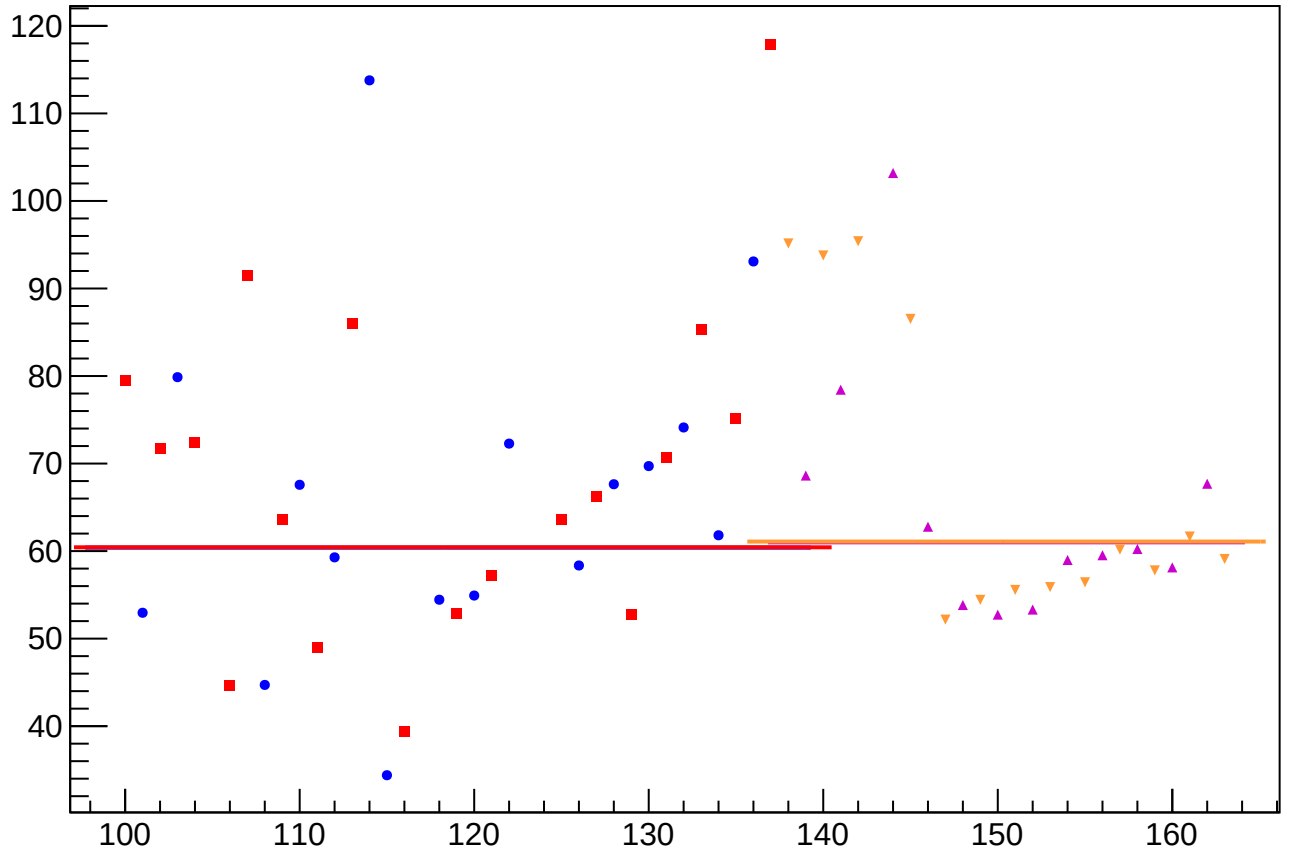
Left: -0.007+/-0.014 χ^2/NDF: 36.4/24

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

In: -0.008+/-0.015 χ^2/NDF:41.7/27

Out: -0.005+/-0.015 χ^2/NDF:44.0/30

All: -0.006+/-0.011 χ^2/NDF: 85.8/58



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

Left Out: 61.089+/-0.014 χ^2/NDF:737042.2/12

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

Left In: 61.002+/-0.014 χ^2/NDF:525185.8/11

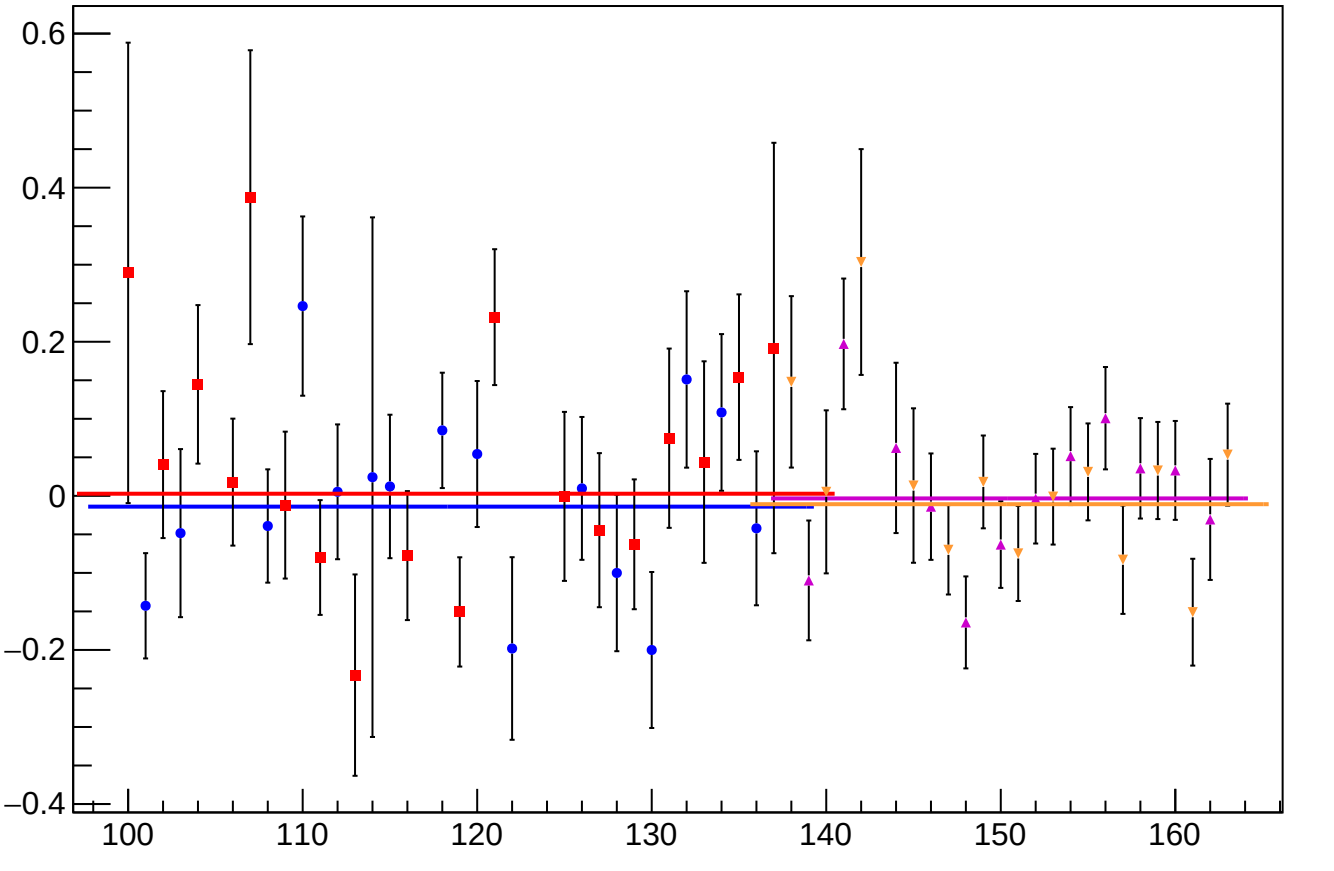
Left: 61.045+/-0.010 χ^2/NDF: 1262247.5/24

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

In: 60.758+/-0.011 χ^2/NDF:1229119.4/27

Out: 60.820+/-0.011 χ^2/NDF:1449063.9/30

All: 60.789+/-0.008 χ^2/NDF: 2678199.9/58



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

Left Out: -0.011+/-0.020 χ^2/NDF:16.1/12

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

Left In: -0.003+/-0.020 χ^2/NDF:20.2/11

Left: -0.007+/-0.014 χ^2/NDF: 36.4/24

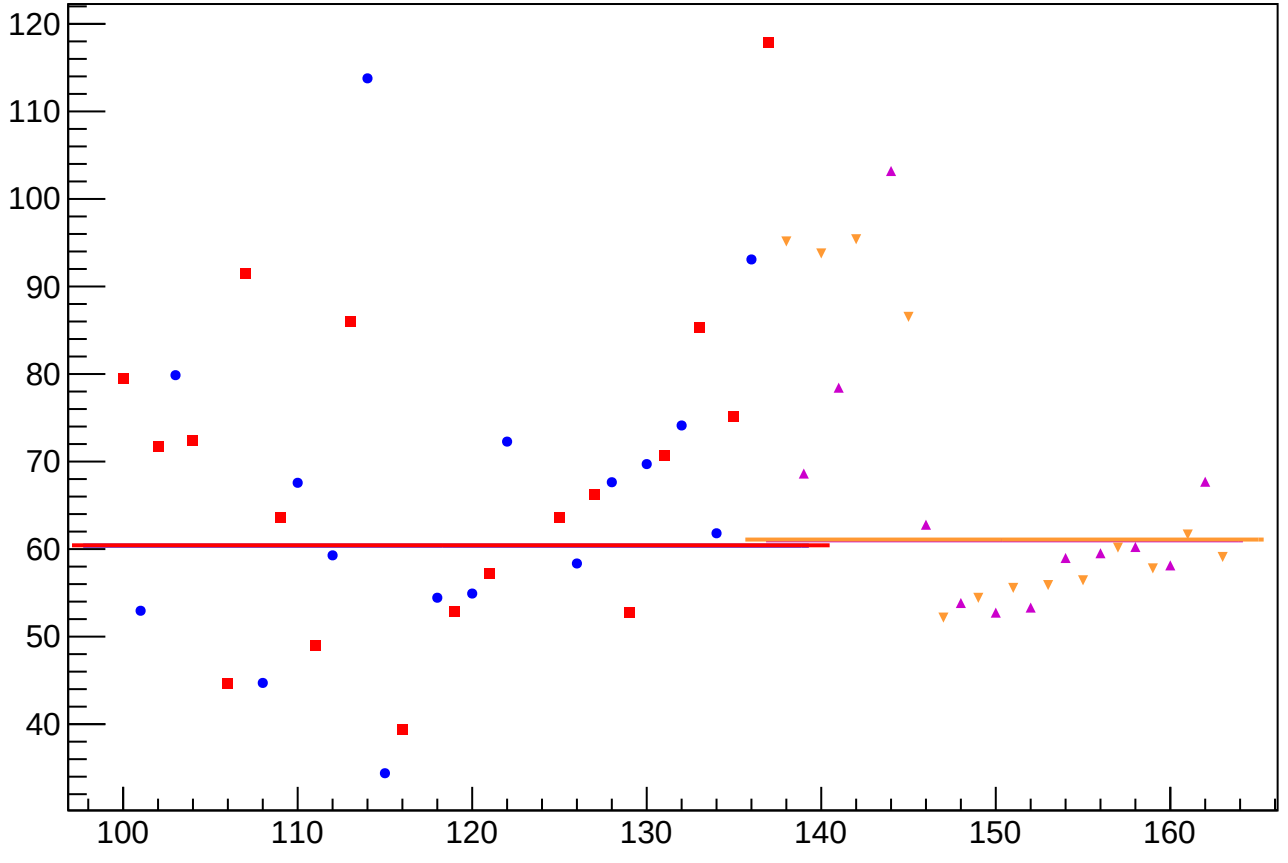
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.008+/-0.015 χ^2/NDF:41.7/27

Out: -0.005+/-0.015 χ^2/NDF:44.0/30

All: -0.006+/-0.011 χ^2/NDF: 85.8/58

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 61.089+/-0.014 χ^2/NDF:737042.2/12

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

Left In: 61.002+/-0.014 χ^2/NDF:525185.8/11

Left: 61.045+/-0.010 χ^2/NDF: 1262247.5/24

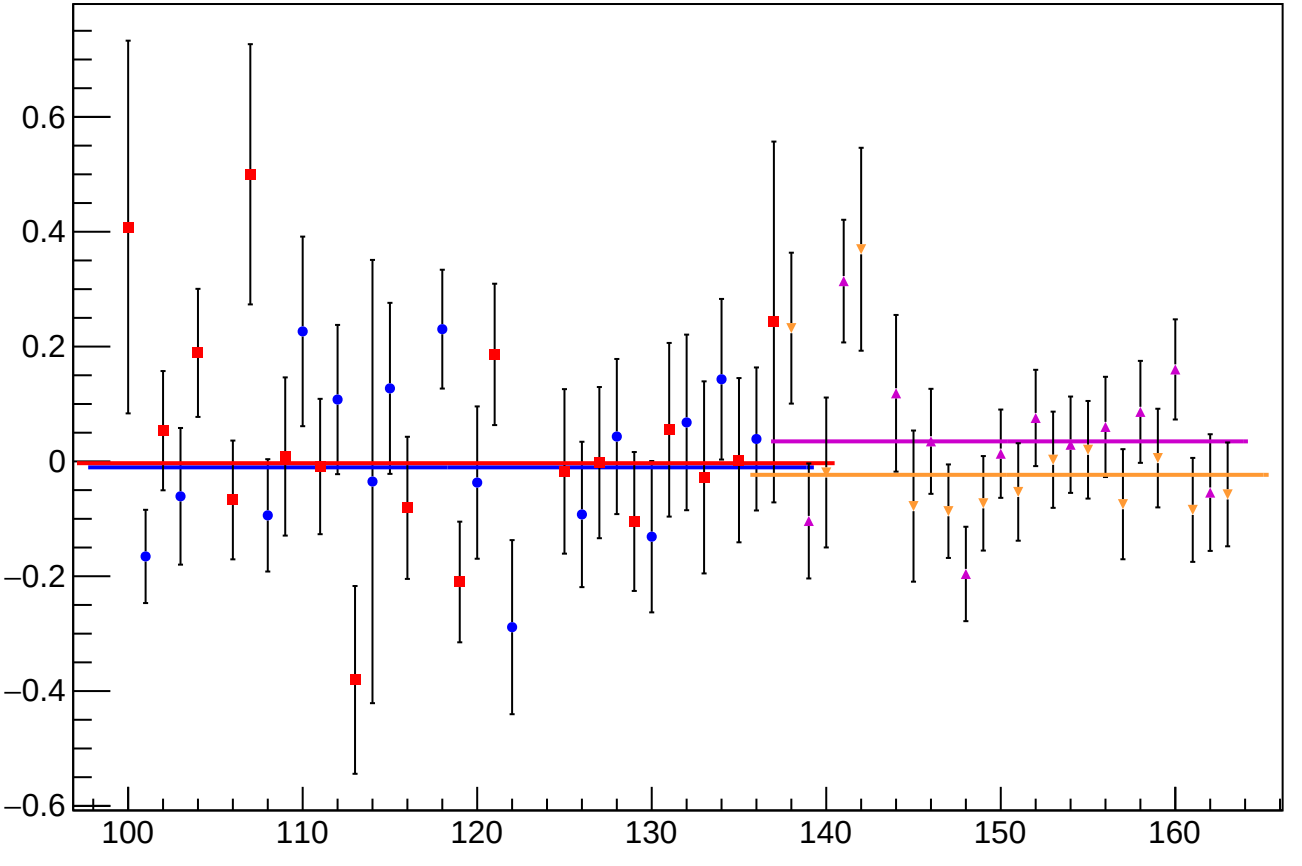
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.758+/-0.011 χ^2/NDF:1229119.4/27

Out: 60.820+/-0.011 χ^2/NDF:1449063.9/30

All: 60.789+/-0.008 χ^2/NDF: 2678199.9/58

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.023+/-0.027 χ^2/NDF:11.3/12

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

Left In: 0.035+/-0.026 χ^2/NDF:20.6/11

Left: 0.006+/-0.019 χ^2/NDF: 34.4/24

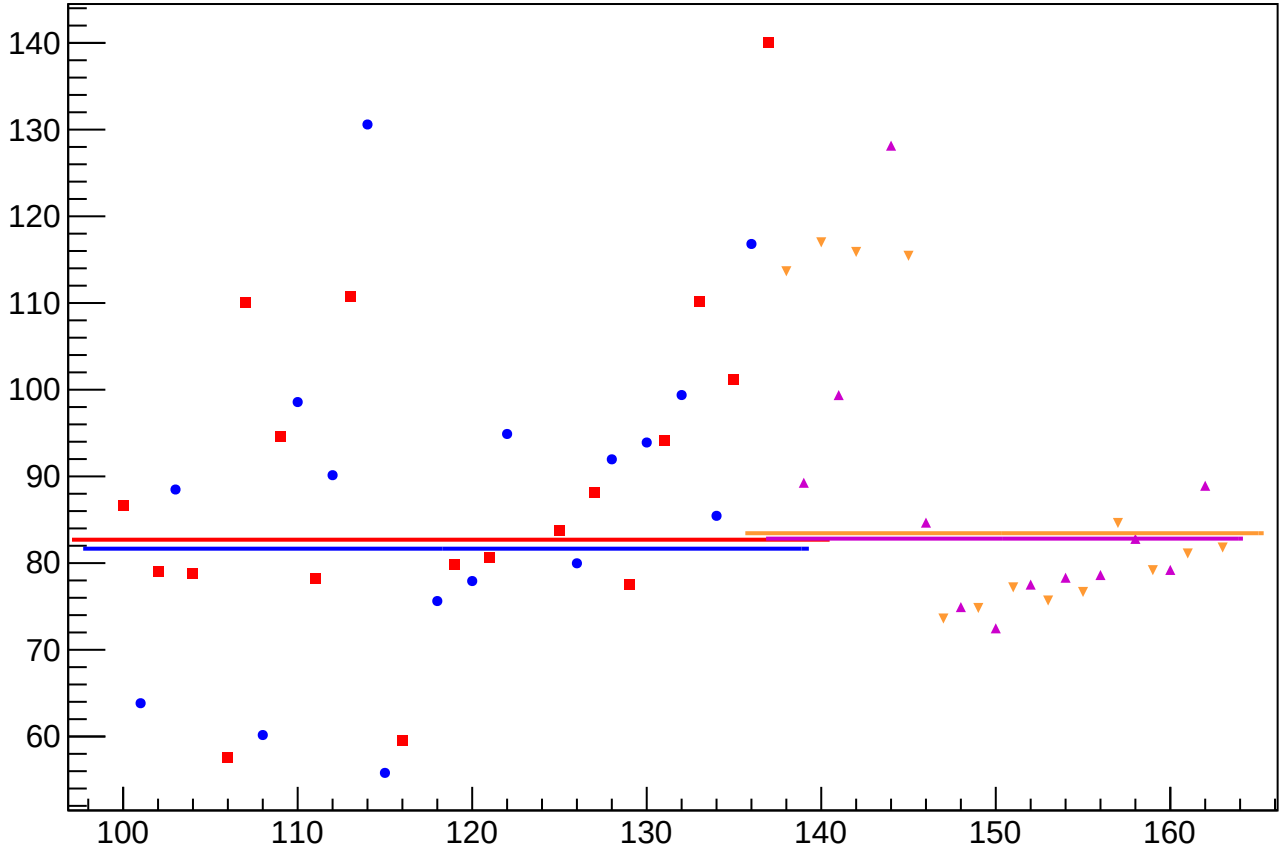
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.016+/-0.020 χ^2/NDF:42.0/27

Out: -0.015+/-0.020 χ^2/NDF:35.2/30

All: 0.001+/-0.014 χ^2/NDF: 78.4/58

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: 83.447+/-0.019 χ^2/NDF:522451.3/12

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

Left In: 82.822+/-0.019 χ^2/NDF:361477.6/11

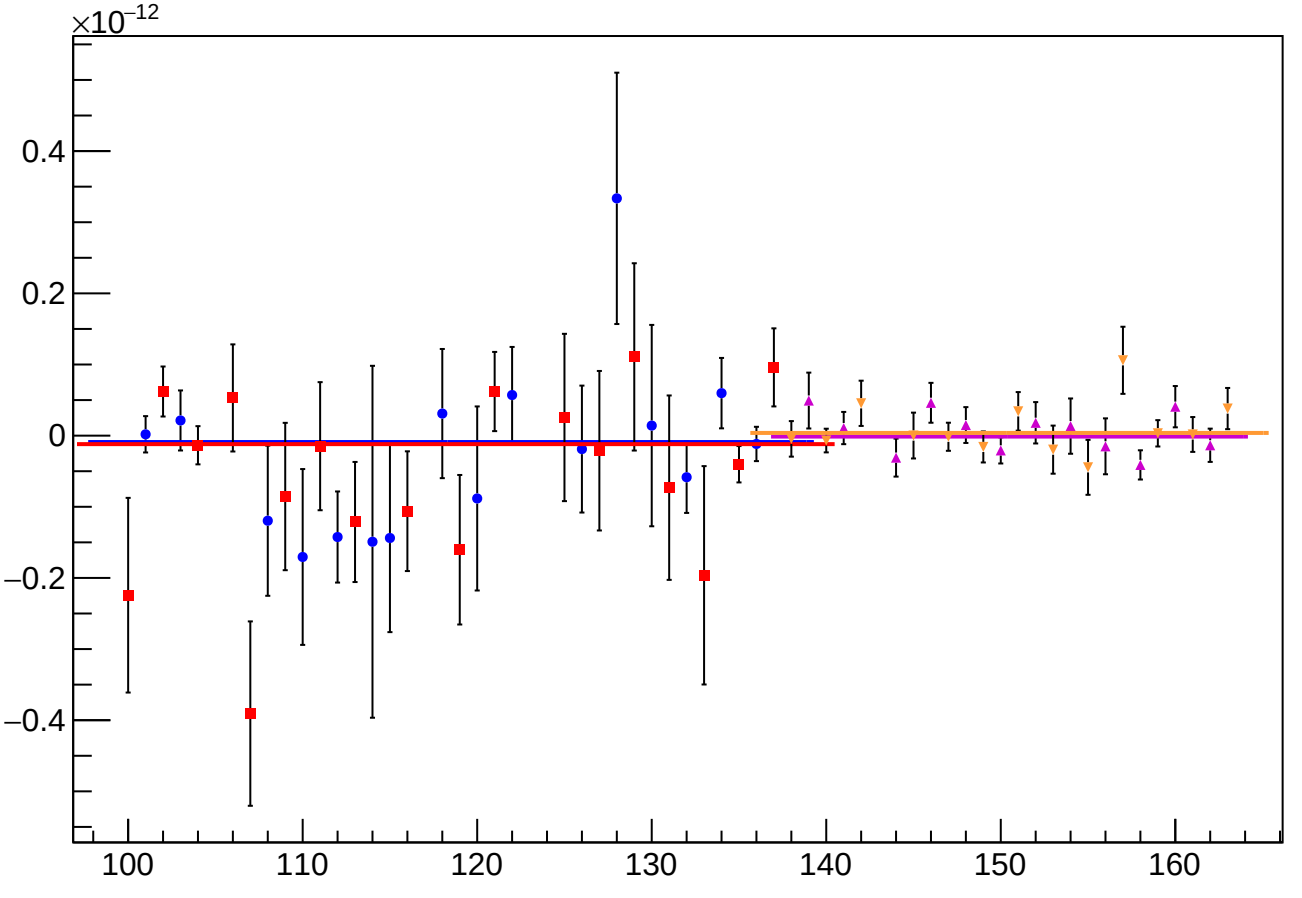
Left: 83.131+/-0.013 χ^2/NDF: 884487.4/24

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

In: 82.349+/-0.014 χ^2/NDF:924905.4/27

Out: 83.139+/-0.014 χ^2/NDF:996164.4/30

All: 82.740+/-0.010 χ^2/NDF: 1922586.4/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/12

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

Left In: -0.000+/-0.000 χ^2/NDF:14.4/11

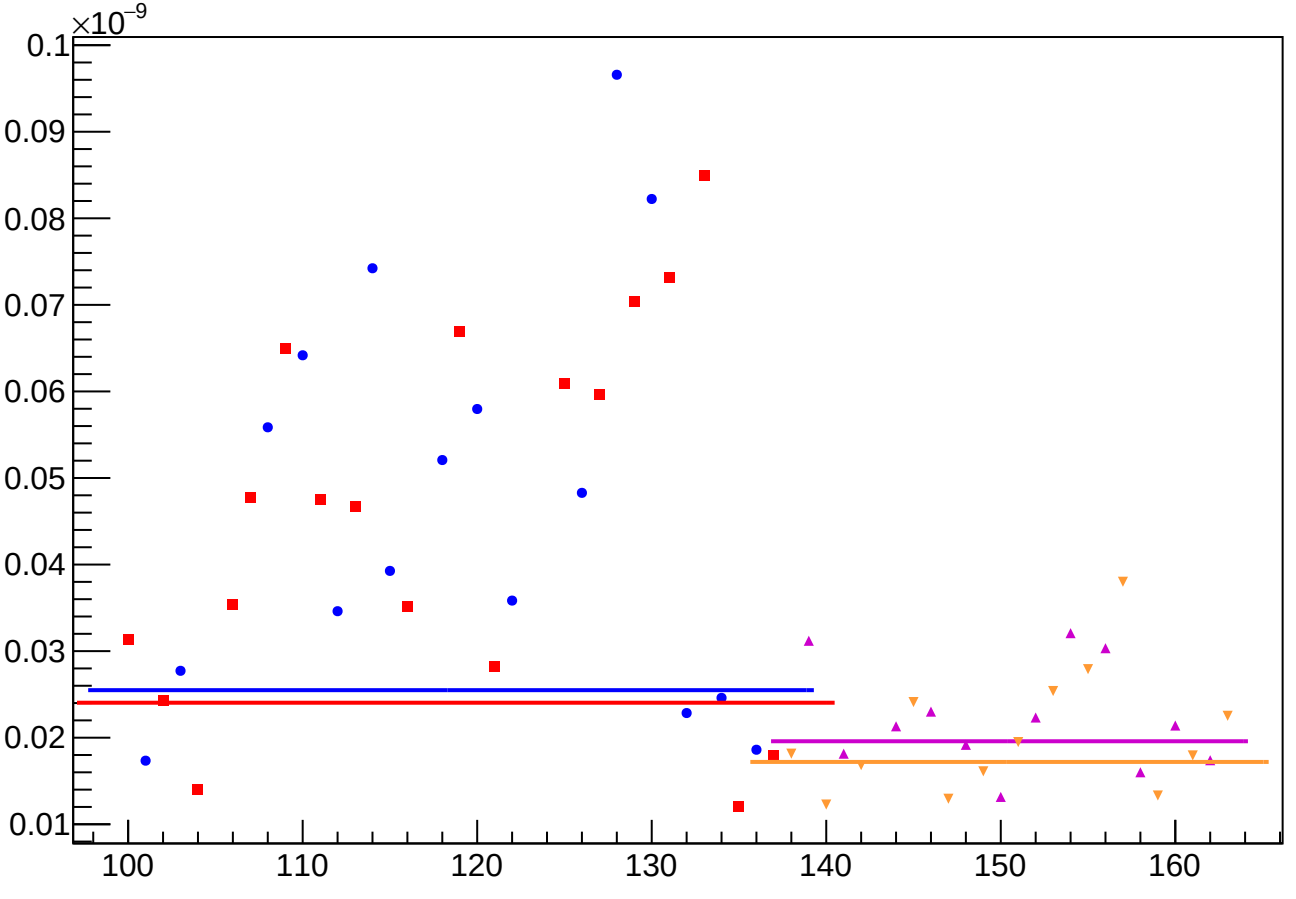
Left: 0.000+/-0.000 χ^2/NDF: 27.2/24

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

In: -0.000+/-0.000 χ^2/NDF:32.1/27

Out: 0.000+/-0.000 χ^2/NDF:44.7/30

All: -0.000+/-0.000 χ^2/NDF: 77.0/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:1200608.1/12

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

Left In: 0.000+/-0.000 χ^2/NDF:926276.1/11

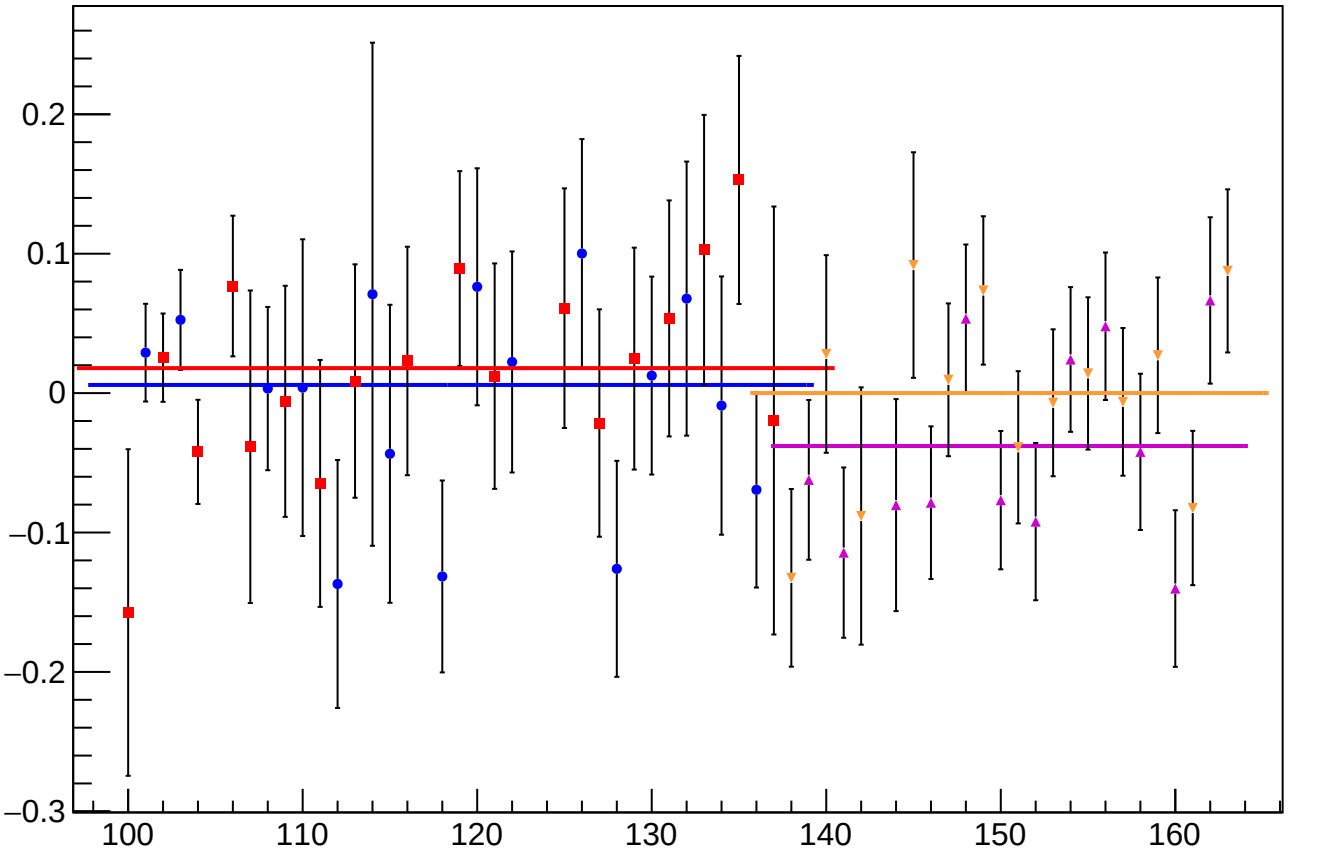
Left: 0.000+/-0.000 χ^2/NDF: 2236315.1/24

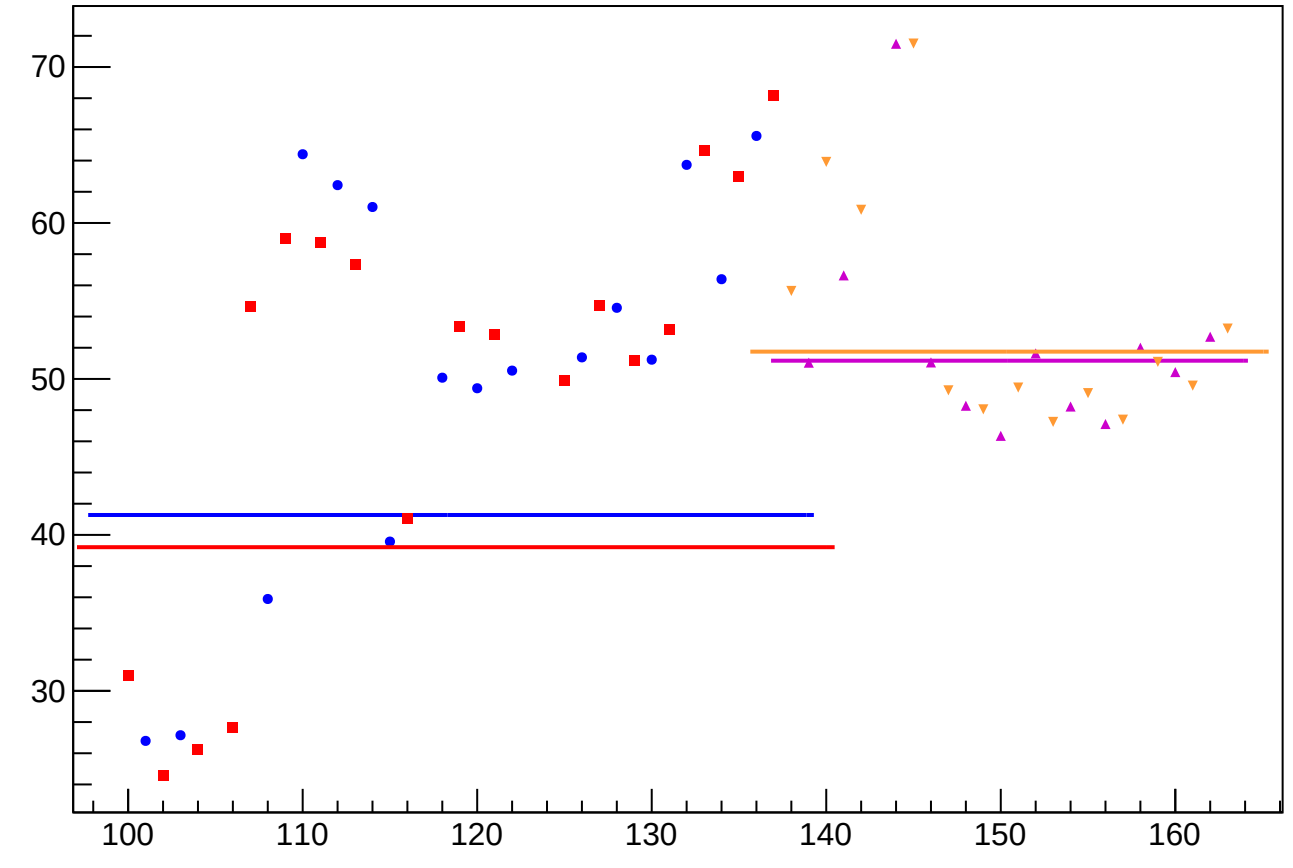
Right: 0.000+/-0.000 χ^2/NDF: 5096304.5/33

In: 0.000+/-0.000 χ^2/NDF:3226419.1/27

Out: 0.000+/-0.000 χ^2/NDF:4697014.7/30

All: 0.000+/-0.000 χ^2/NDF: 8065538.3/58


asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: 0.000+/-0.016 χ²/NDF:13.9/12
Right Out: 0.018+/-0.016 χ²/NDF: 12.3/17
Left In: -0.038+/-0.016 χ²/NDF:17.5/11
Left: -0.019+/-0.012 χ²/NDF: 34.2/24
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.016+/-0.012 χ²/NDF:36.7/27
Out: 0.009+/-0.011 χ²/NDF:26.9/30
All: -0.003+/-0.008 χ²/NDF: 66.1/58



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

Left Out: 51.751+/-0.012 χ^2/NDF:259931.3/12

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

Left In: 51.170+/-0.011 χ^2/NDF:204129.0/11

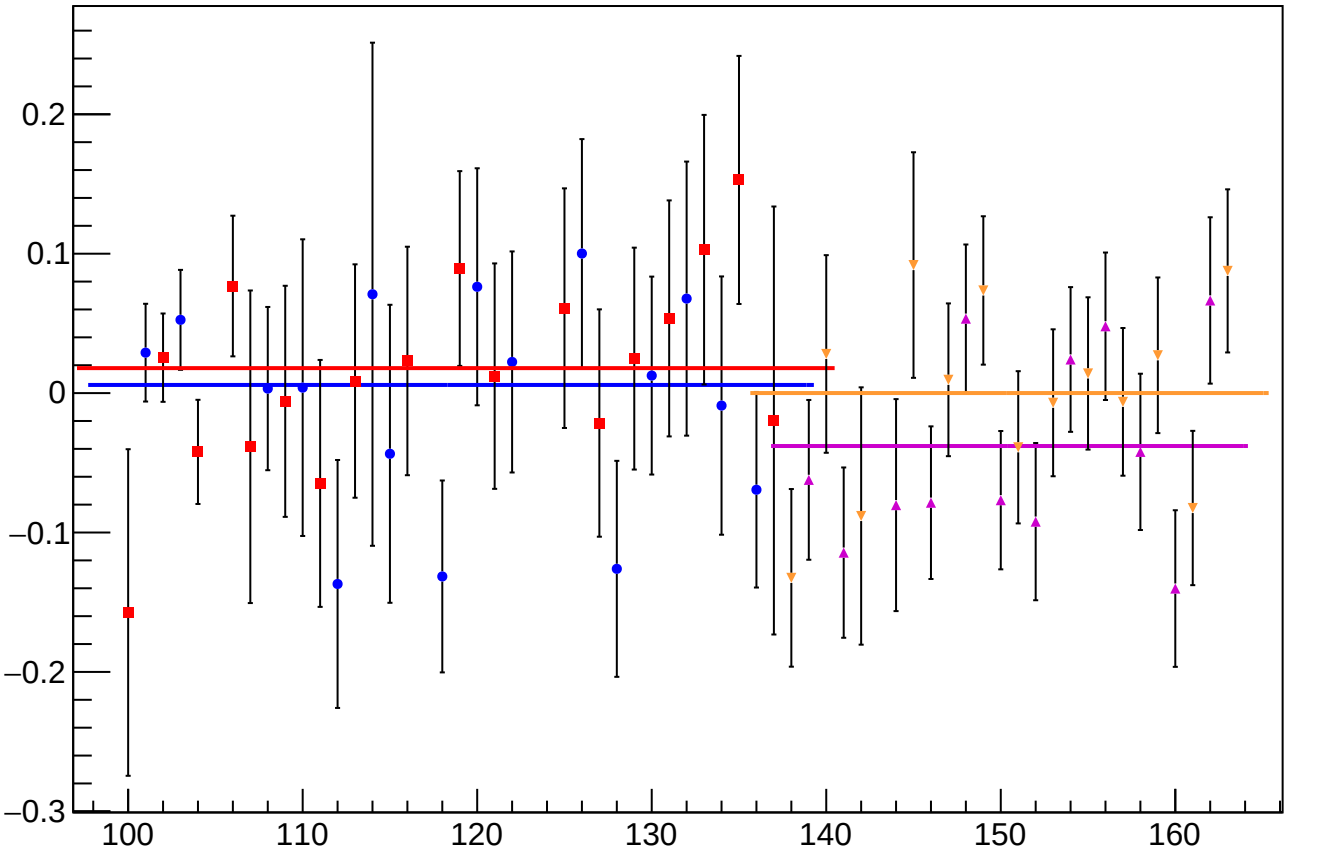
Left: 51.458+/-0.008 χ^2/NDF: 465332.7/24

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

In: 46.314+/-0.008 χ^2/NDF:2074304.9/27

Out: 45.230+/-0.008 χ^2/NDF:2689523.8/30

All: 45.761+/-0.006 χ^2/NDF: 4772761.4/58



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

Left Out: 0.000+/-0.016 χ^2/NDF:13.9/12

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

Left In: -0.038+/-0.016 χ^2/NDF:17.5/11

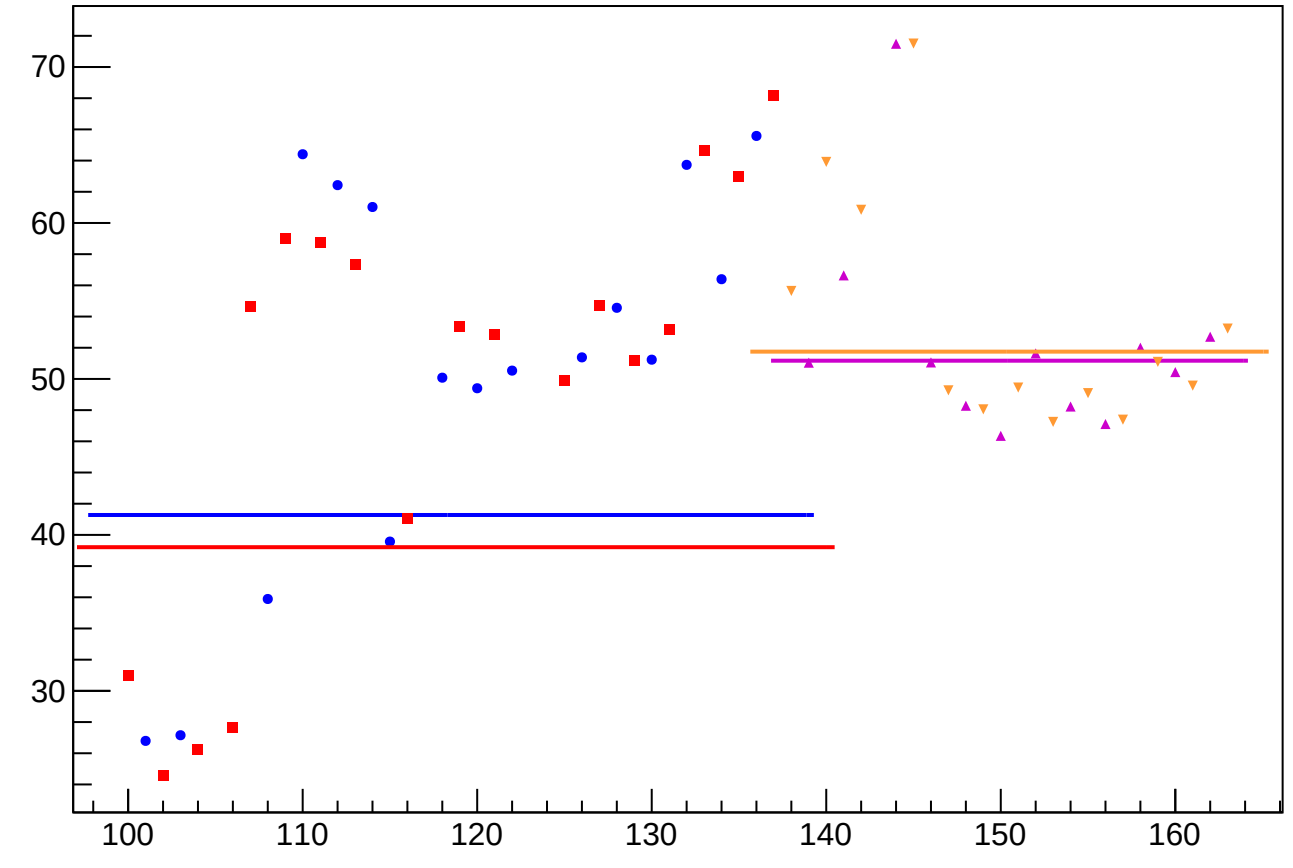
Left: -0.019+/-0.012 χ^2/NDF: 34.2/24

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.012 χ^2/NDF:36.7/27

Out: 0.009+/-0.011 χ^2/NDF:26.9/30

All: -0.003+/-0.008 χ^2/NDF: 66.1/58



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

Left Out: 51.751+/-0.012 χ^2/NDF:259931.3/12

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

Left In: 51.170+/-0.011 χ^2/NDF:204129.0/11

Left: 51.458+/-0.008 χ^2/NDF: 465332.7/24

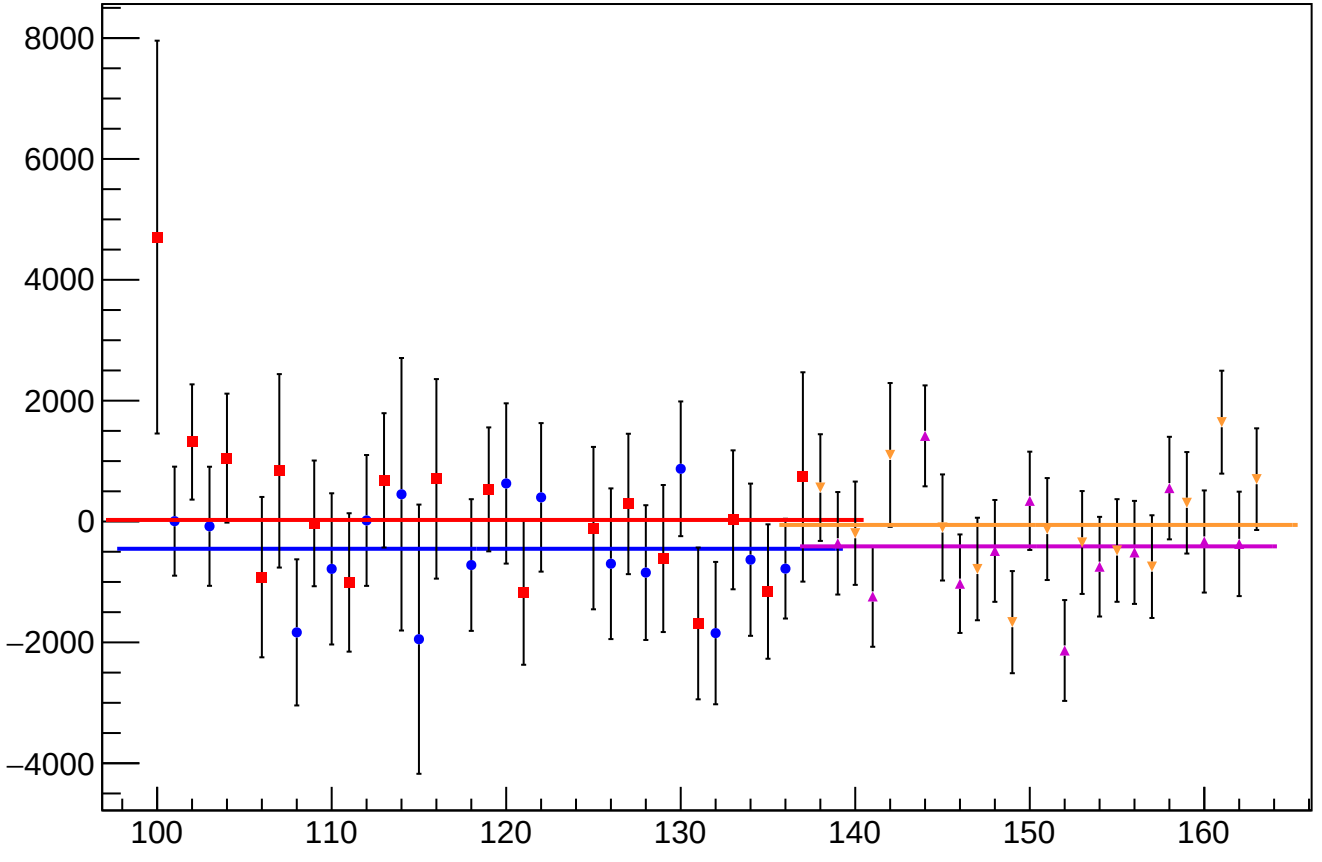
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 46.314+/-0.008 χ^2/NDF:2074304.9/27

Out: 45.230+/-0.008 χ^2/NDF:2689523.8/30

All: 45.761+/-0.006 χ^2/NDF: 4772761.4/58

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

Left In: -410.933+/-241.811 χ^2/NDF:13.0/11

Left: -233.052+/-170.713 χ^2/NDF: 25.9/24

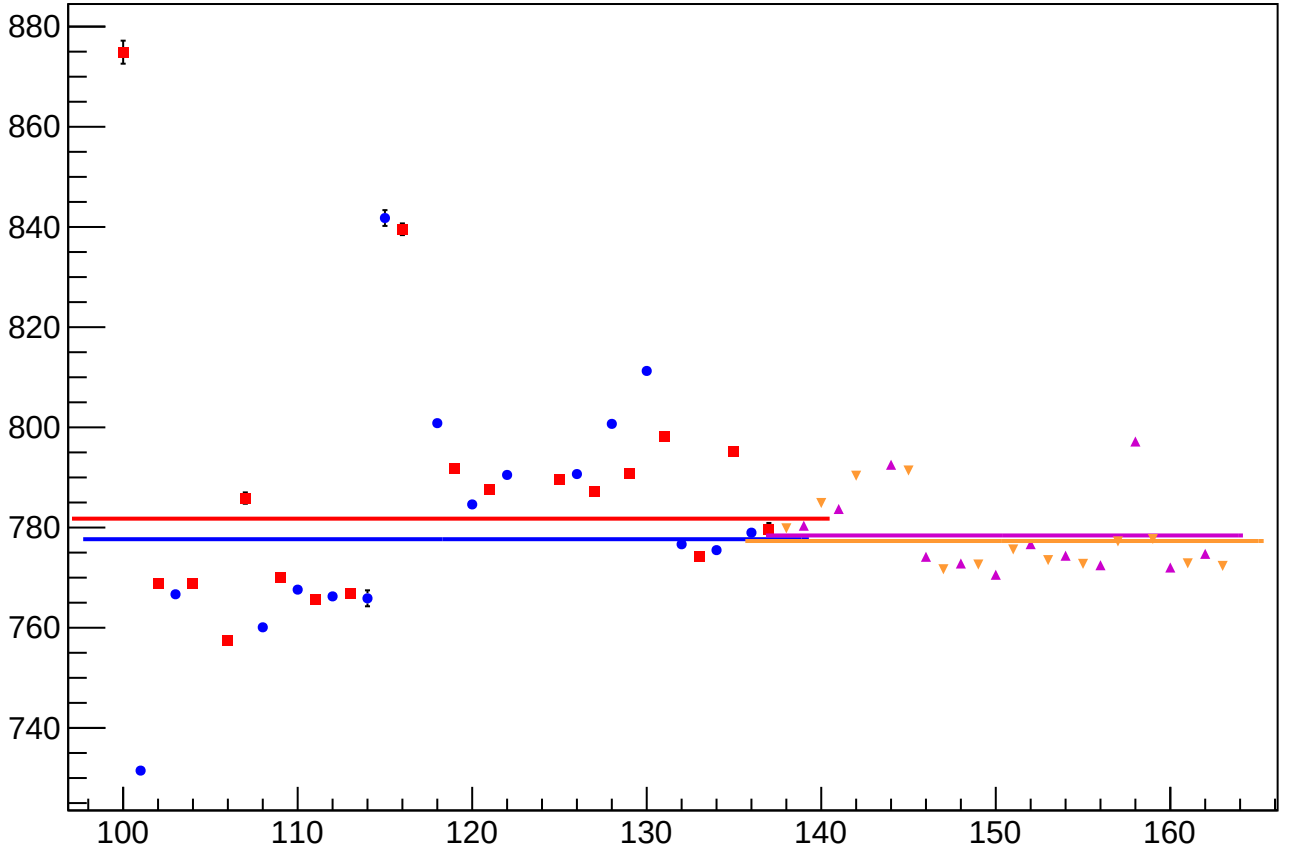
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -427.416+/-185.442 χ^2/NDF:19.9/27

Out: -22.370+/-184.864 χ^2/NDF:23.6/30

All: -224.261+/-130.923 χ^2/NDF: 45.9/58

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

Left In: 778.422+/-0.171 χ^2/NDF:2272.5/11

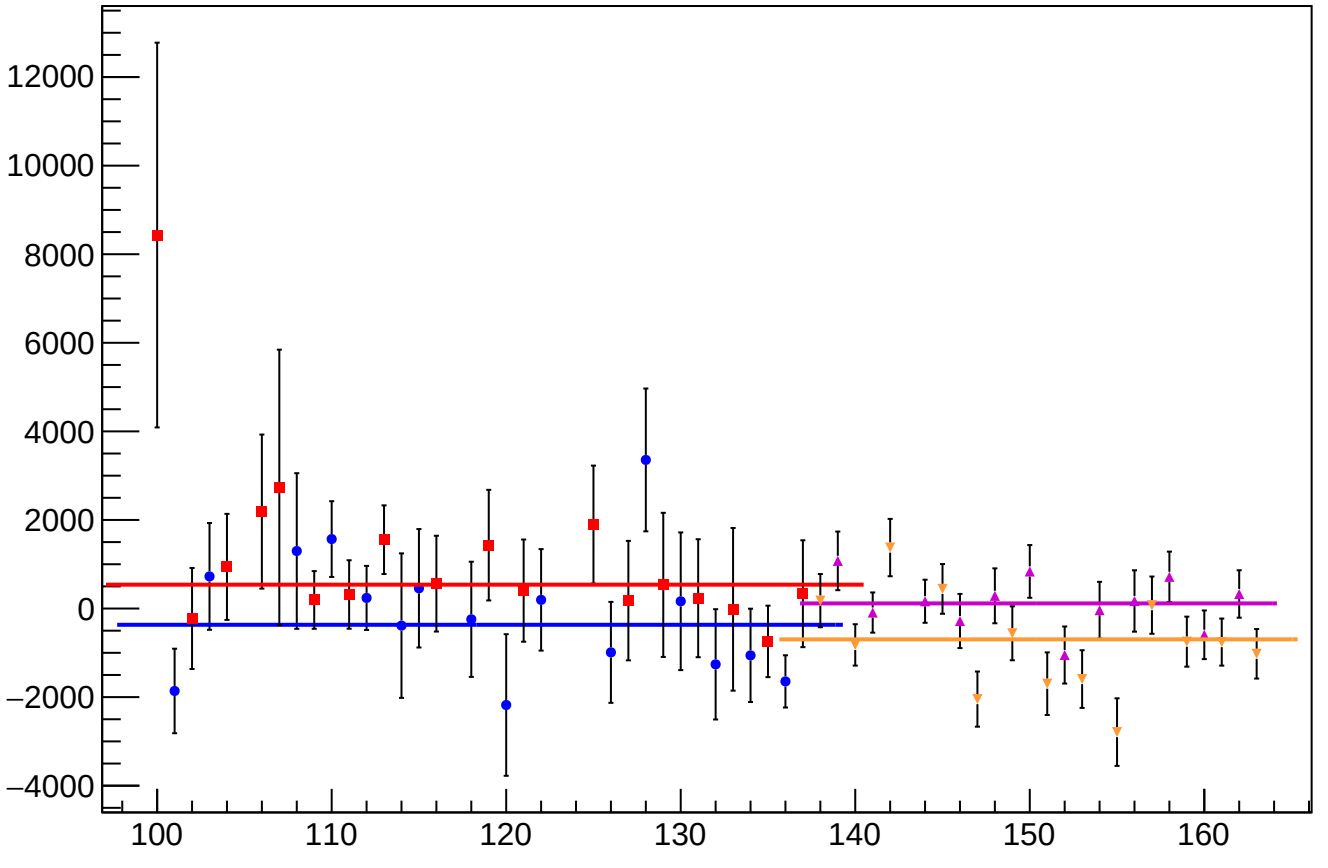
Left: 777.866+/-0.121 χ^2/NDF: 3602.7/24

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

In: 778.114+/-0.131 χ^2/NDF:14335.8/27

Out: 779.152+/-0.131 χ^2/NDF:9217.8/30

All: 778.634+/-0.093 χ^2/NDF: 23585.0/58



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

Left In: 115.853+/-165.991 χ^2/NDF:10.6/11

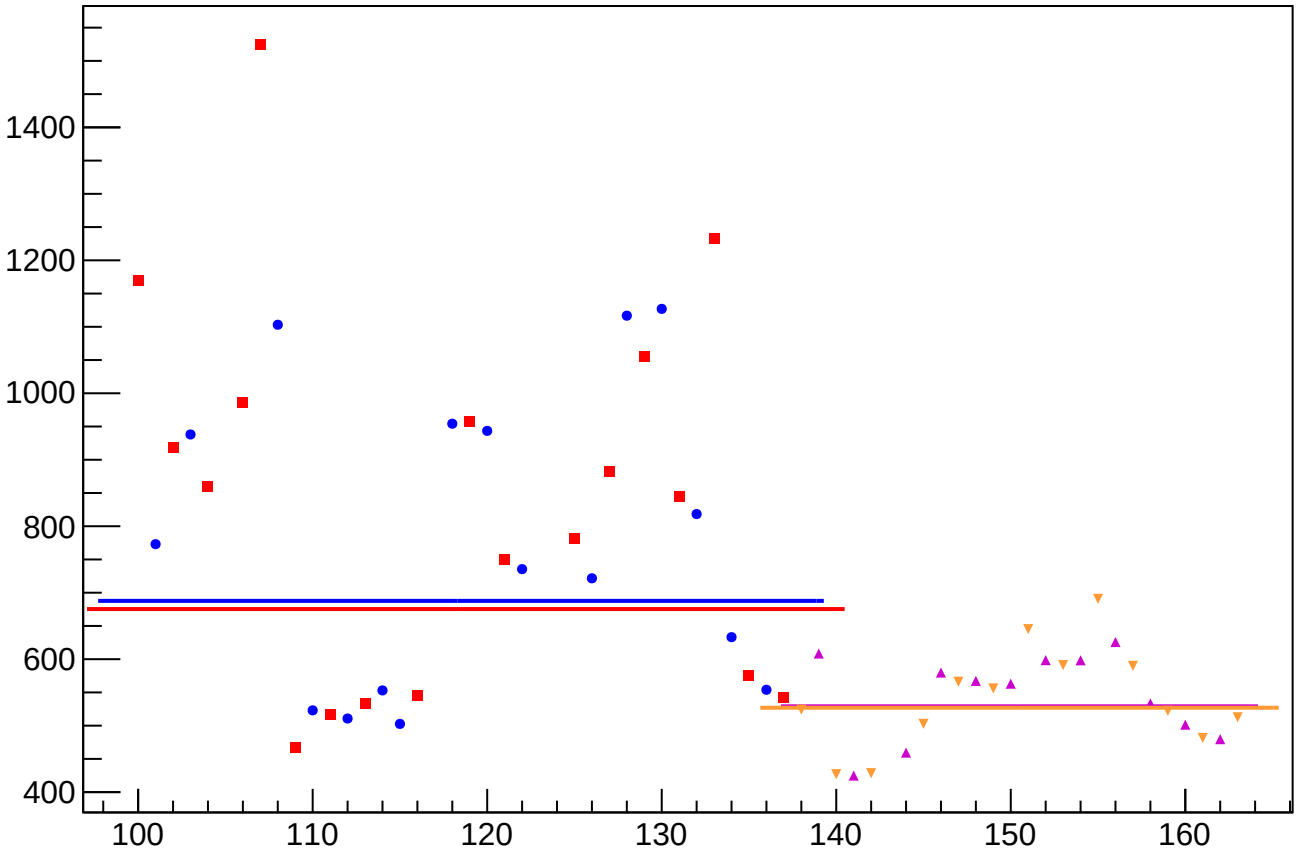
Left: -291.313+/-117.177 χ^2/NDF: 57.1/24

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

In: -18.968+/-140.925 χ^2/NDF:36.2/27

Out: -345.556+/-140.021 χ^2/NDF:62.0/30

All: -183.312+/-99.328 χ^2/NDF: 100.9/58



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

Left In: 529.122+/-0.117 χ^2/NDF:311026.3/11

Left: 528.043+/-0.083 χ^2/NDF: 667945.8/24

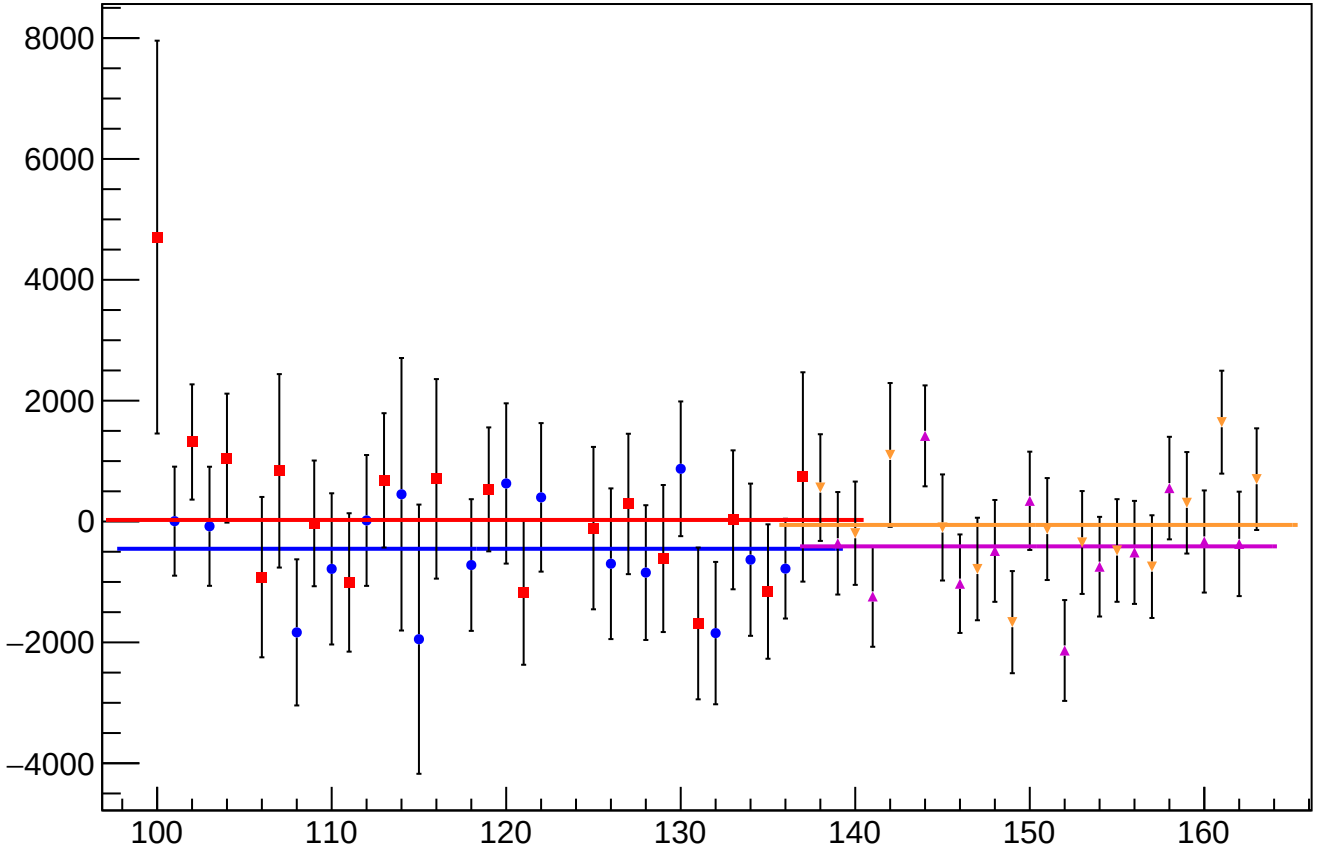
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 573.404+/-0.100 χ^2/NDF:1852702.9/27

Out: 569.076+/-0.099 χ^2/NDF:2126463.6/30

All: 571.226+/-0.070 χ^2/NDF: 3980115.5/58

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

Left In: -410.933+/-241.811 χ^2/NDF:13.0/11

Left: -233.052+/-170.713 χ^2/NDF: 25.9/24

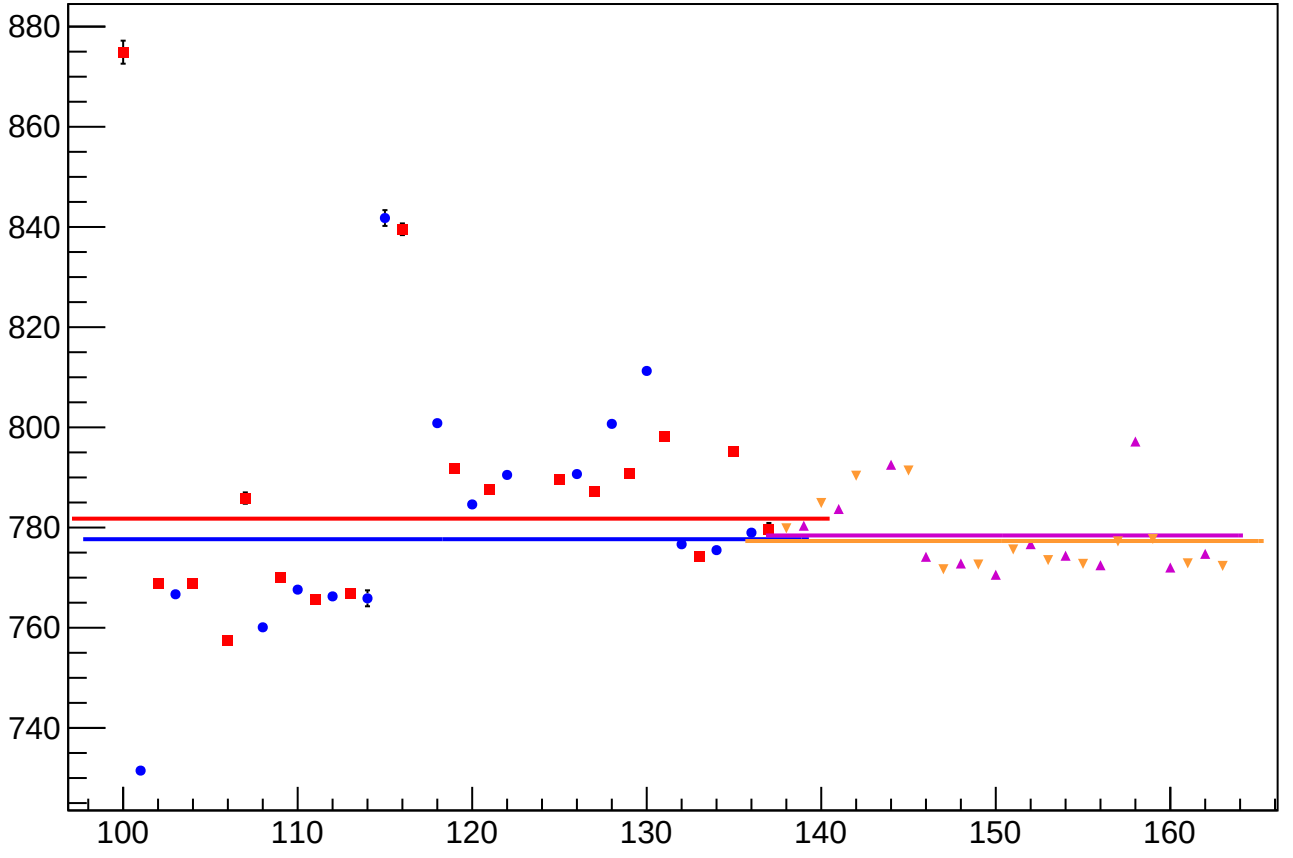
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -427.416+/-185.442 χ^2/NDF:19.9/27

Out: -22.370+/-184.864 χ^2/NDF:23.6/30

All: -224.261+/-130.923 χ^2/NDF: 45.9/58

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

Left In: 778.422+/-0.171 χ^2/NDF:2272.5/11

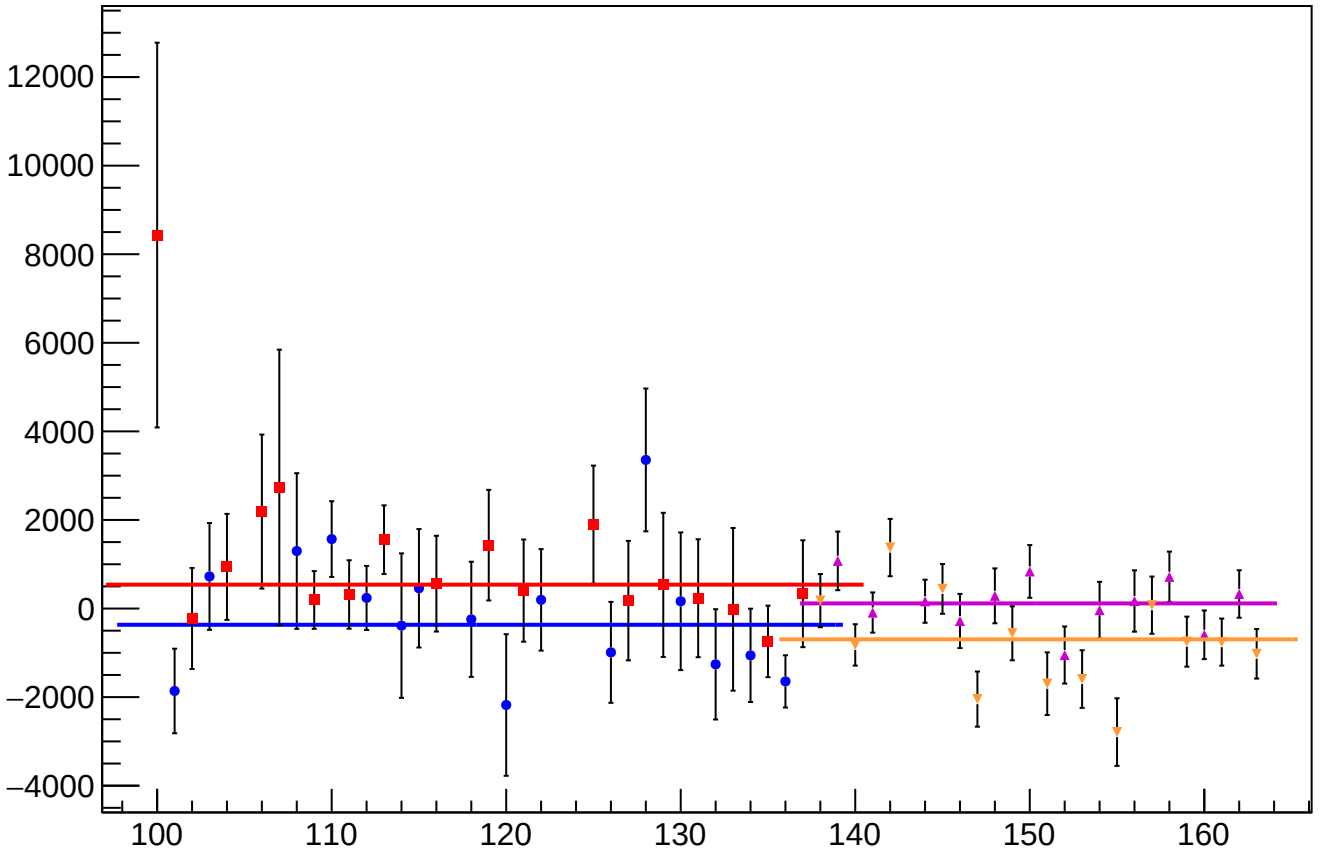
Left: 777.866+/-0.121 χ^2/NDF: 3602.7/24

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

In: 778.114+/-0.131 χ^2/NDF:14335.8/27

Out: 779.152+/-0.131 χ^2/NDF:9217.8/30

All: 778.634+/-0.093 χ^2/NDF: 23585.0/58



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

Left In: 115.853+/-165.991 χ^2/NDF:10.6/11

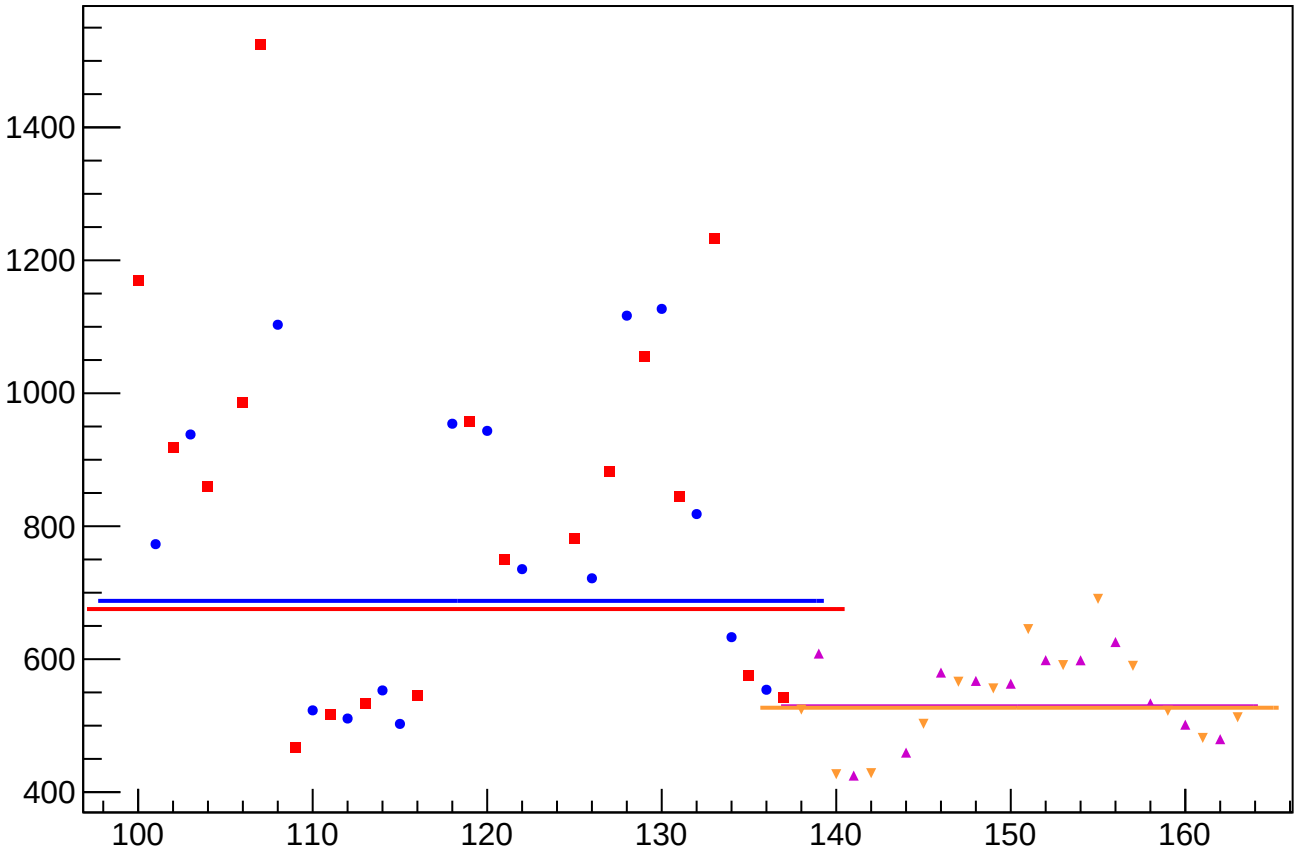
Left: -291.313+/-117.177 χ^2/NDF: 57.1/24

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

In: -18.968+/-140.925 χ^2/NDF:36.2/27

Out: -345.556+/-140.021 χ^2/NDF:62.0/30

All: -183.312+/-99.328 χ^2/NDF: 100.9/58



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

Left In: 529.122+/-0.117 χ^2/NDF:311026.3/11

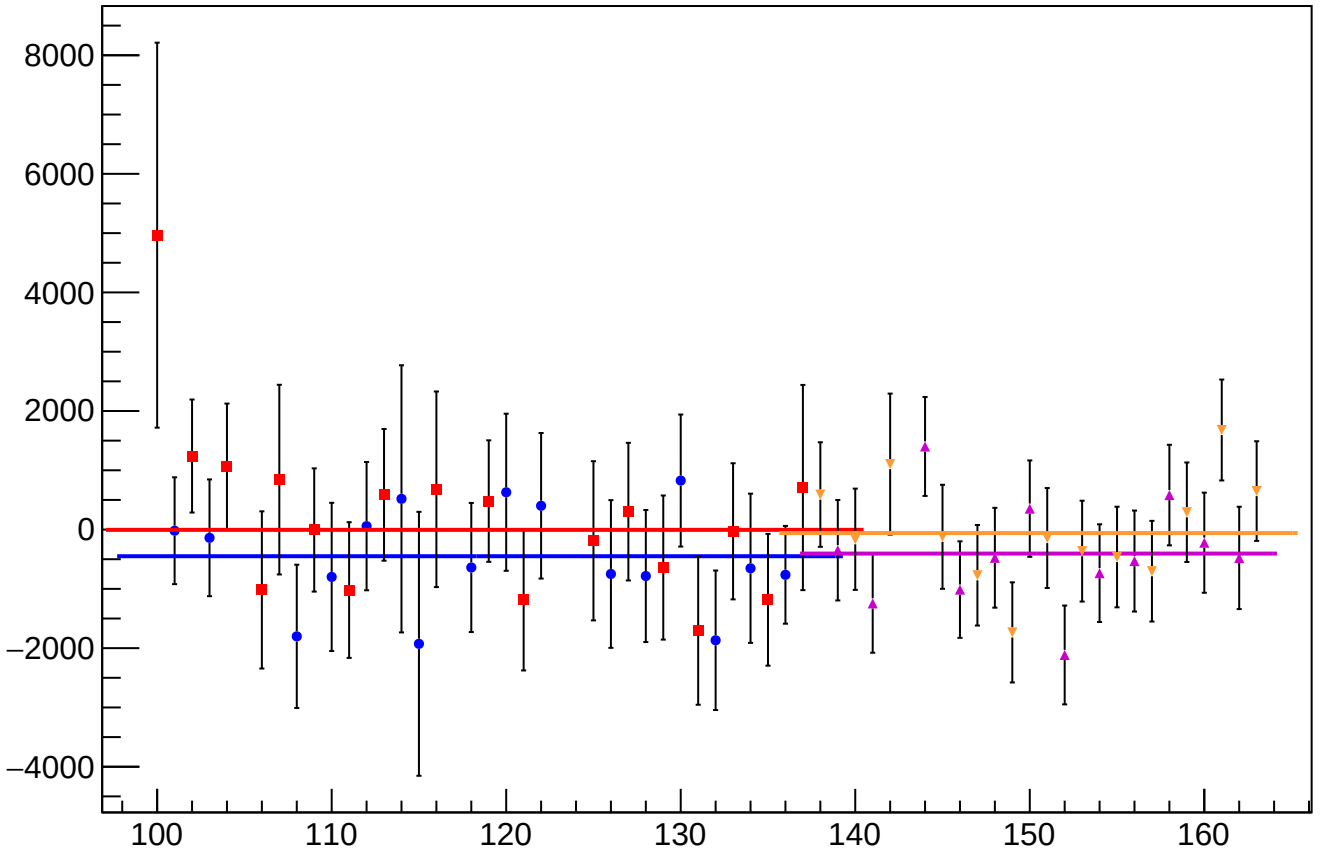
Left: 528.043+/-0.083 χ^2/NDF: 667945.8/24

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

In: 573.404+/-0.100 χ^2/NDF:1852702.9/27

Out: 569.076+/-0.099 χ^2/NDF:2126463.6/30

All: 571.226+/-0.070 χ^2/NDF: 3980115.5/58



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

Left Out: -58.661+/-240.827 χ^2/NDF:12.2/12

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

Left In: -404.634+/-241.610 χ^2/NDF:12.9/11

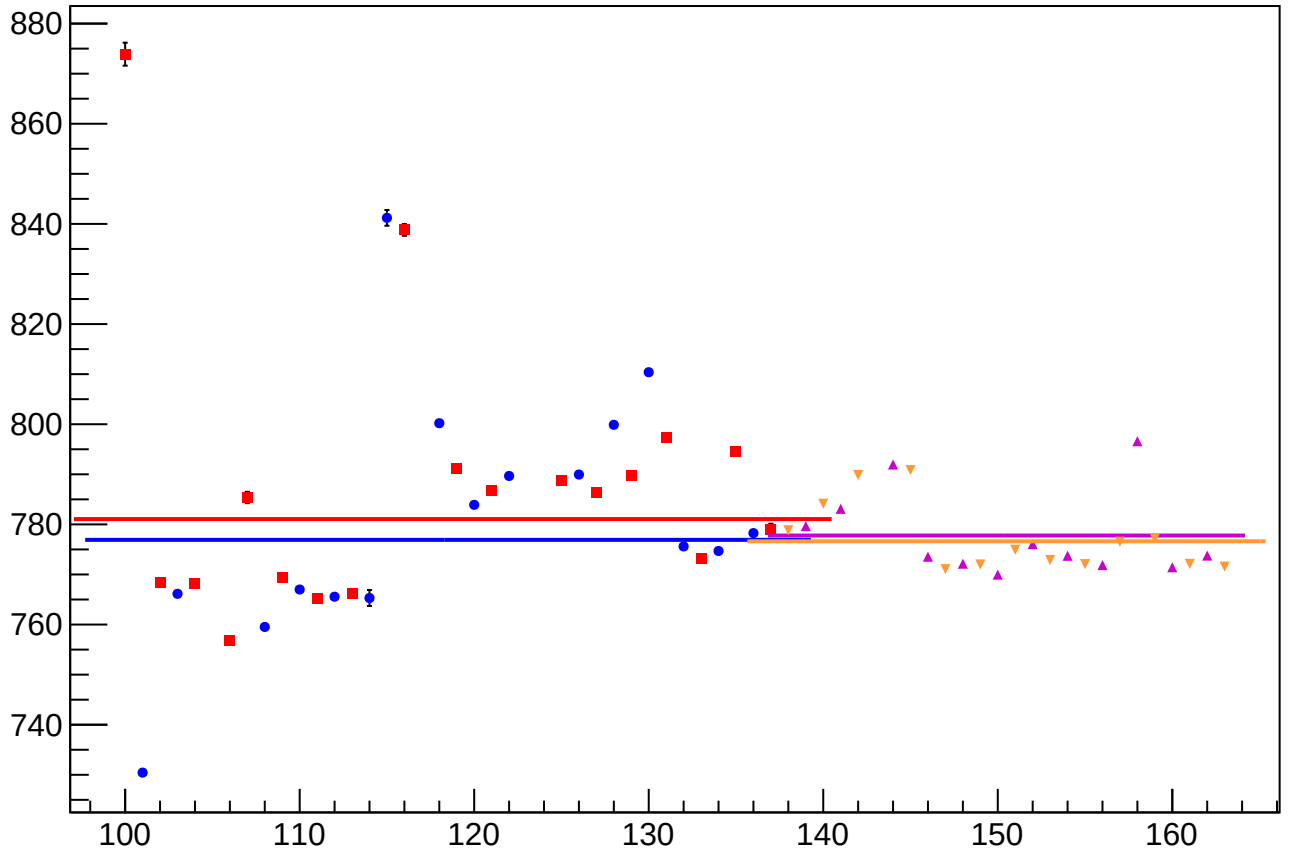
Left: -231.086+/-170.567 χ^2/NDF: 26.1/24

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

In: -423.088+/-185.277 χ^2/NDF:19.7/27

Out: -36.417+/-184.699 χ^2/NDF:24.0/30

All: -229.147+/-130.806 χ^2/NDF: 45.9/58



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

Left Out: 776.628+/-0.170 χ^2/NDF:1319.0/12

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

Left In: 777.776+/-0.171 χ^2/NDF:2291.2/11

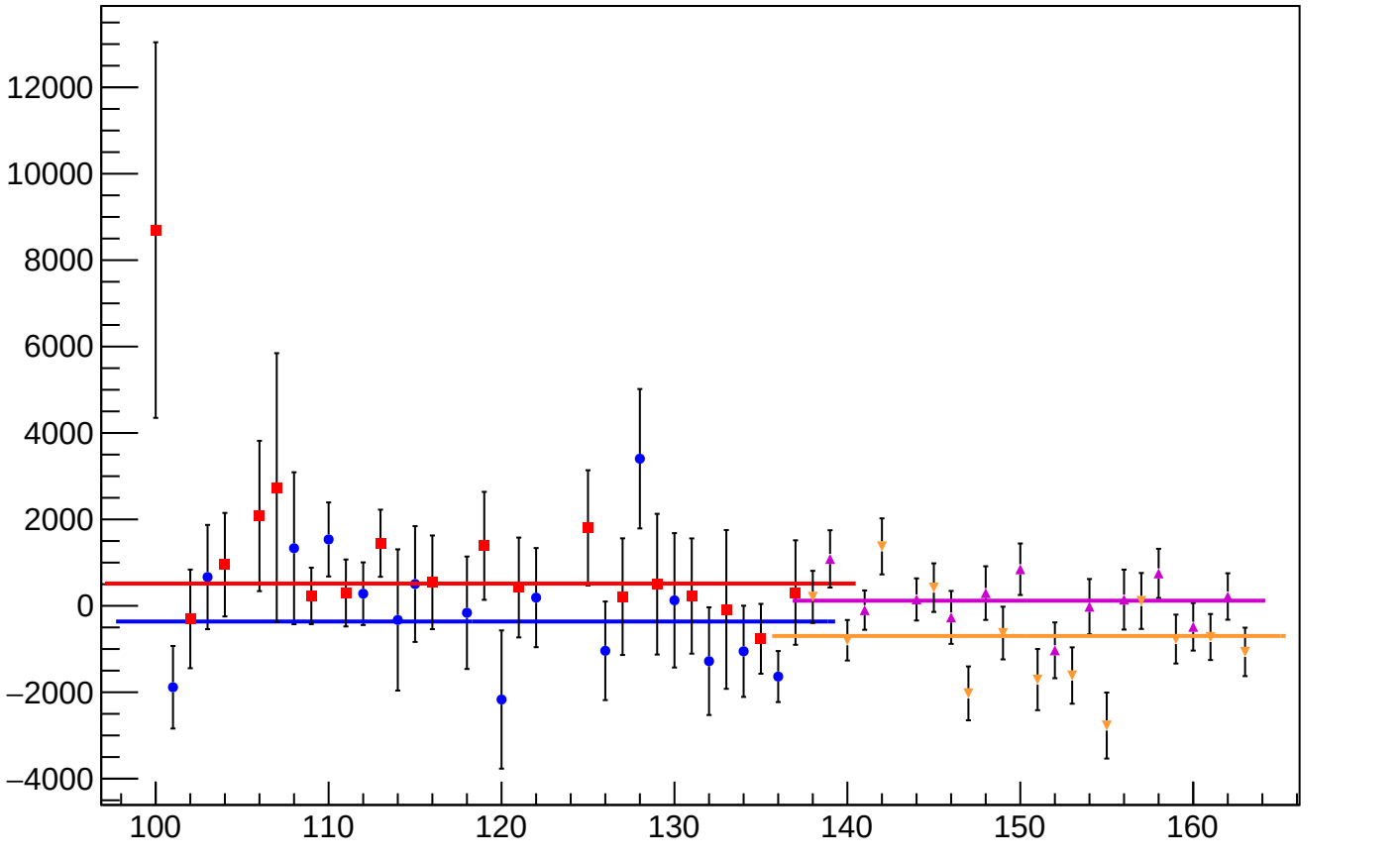
Left: 777.200+/-0.121 χ^2/NDF: 3632.8/24

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

In: 777.420+/-0.131 χ^2/NDF:14425.2/27

Out: 778.453+/-0.131 χ^2/NDF:9183.8/30

All: 777.939+/-0.092 χ^2/NDF: 23640.2/58



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

Left Out: -697.709+/-165.777 χ^2/NDF:34.4/12

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

Left In: 118.465+/-166.307 χ^2/NDF:10.0/11

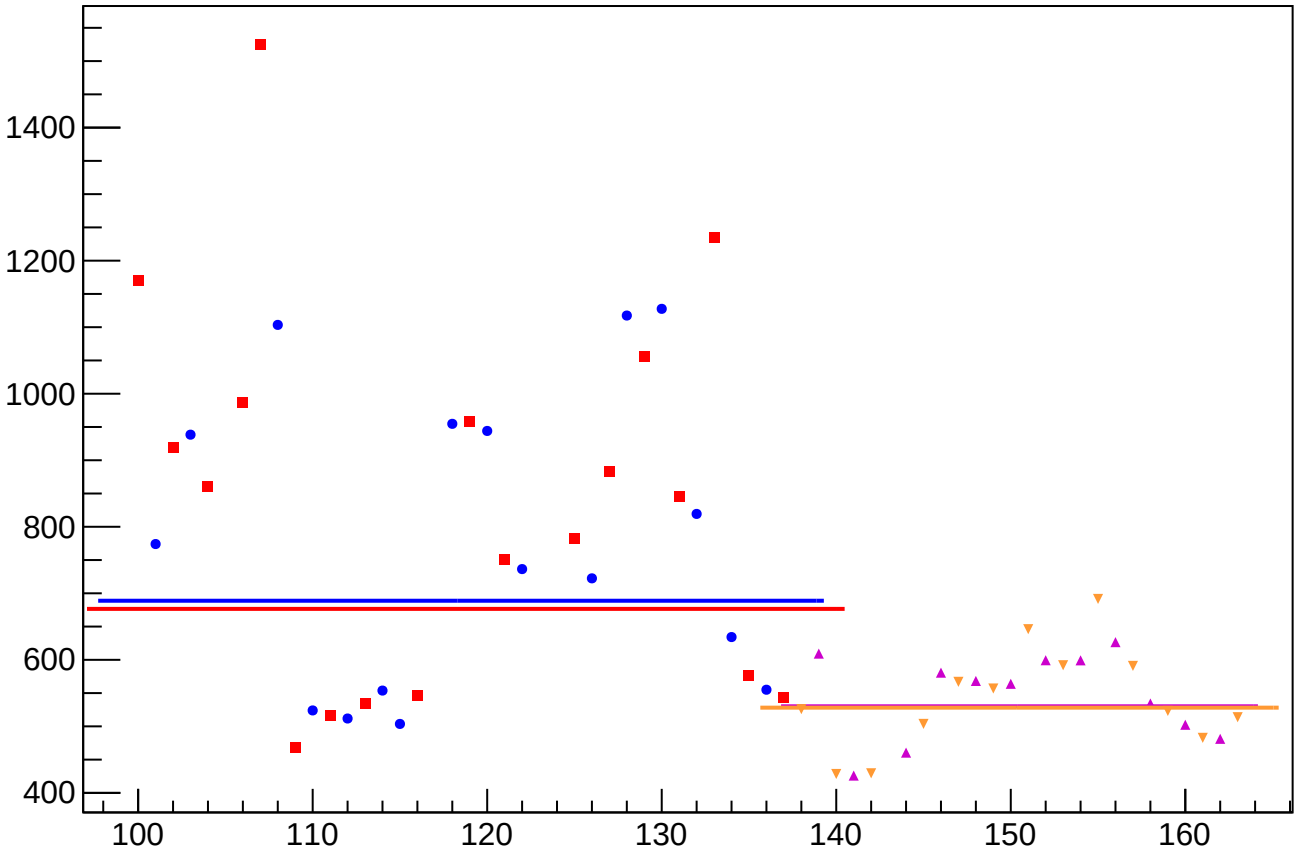
Left: -290.925+/-117.409 χ^2/NDF: 56.5/24

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

In: -16.001+/-141.176 χ^2/NDF:35.7/27

Out: -353.367+/-140.287 χ^2/NDF:61.0/30

All: -185.749+/-99.511 χ^2/NDF: 99.6/58



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

Left Out: 528.110+/-0.117 χ^2/NDF:353769.7/12

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

Left In: 530.171+/-0.118 χ^2/NDF:308505.0/11

Left: 529.137+/-0.083 χ^2/NDF: 662428.9/24

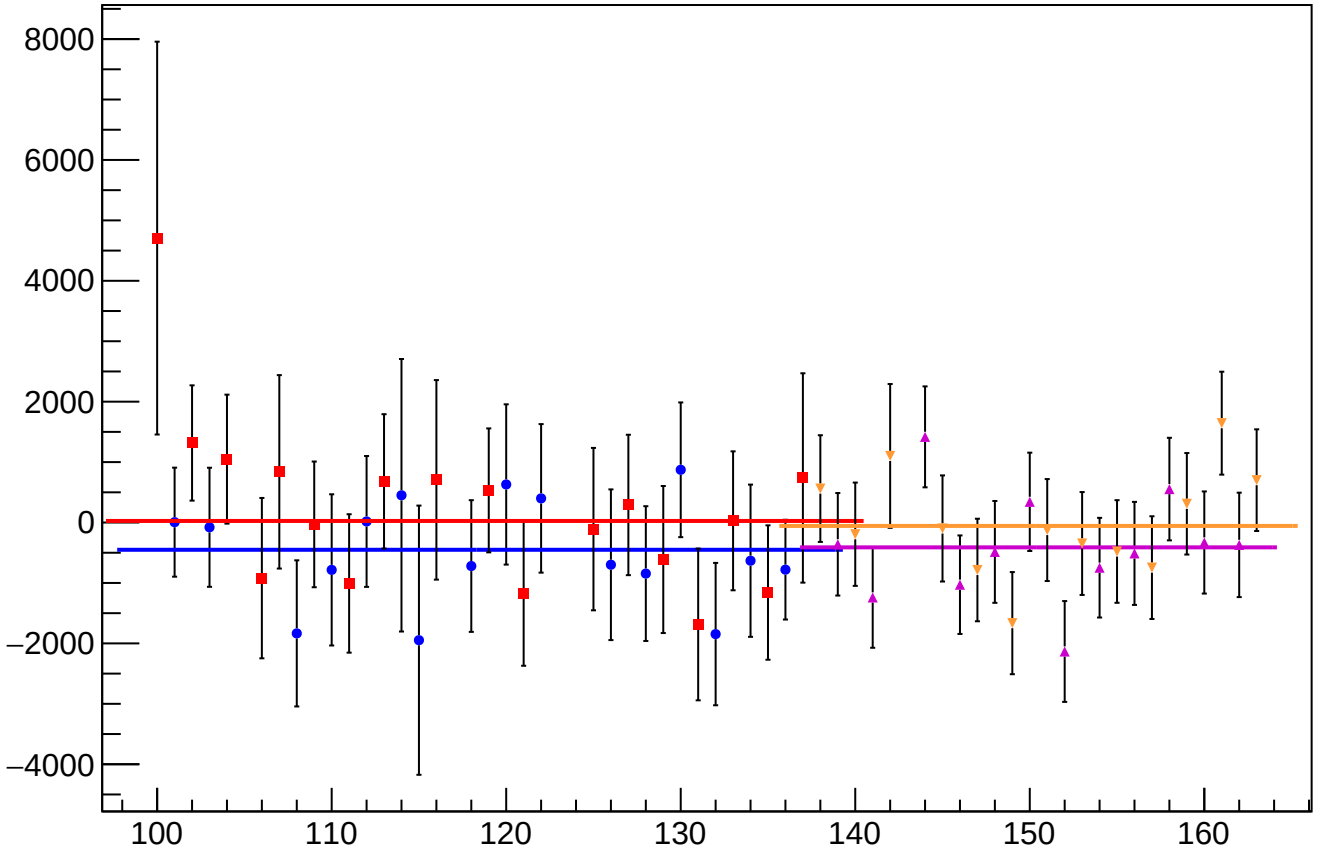
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 574.499+/-0.100 χ^2/NDF:1845188.2/27

Out: 570.254+/-0.099 χ^2/NDF:2117153.6/30

All: 572.363+/-0.070 χ^2/NDF: 3963251.5/58

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -56.303+/-241.040 χ^2/NDF:11.8/12

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

Left In: -410.933+/-241.811 χ^2/NDF:13.0/11

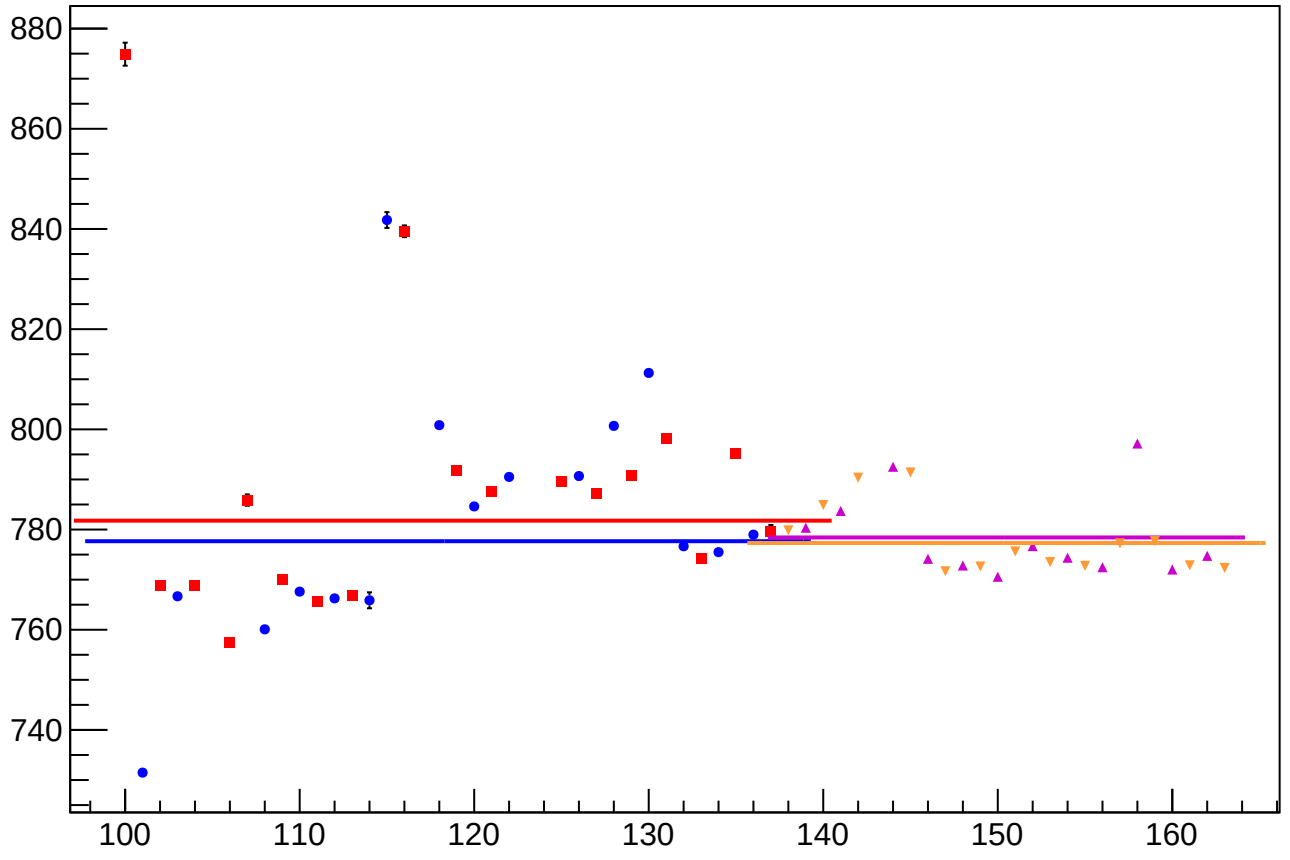
Left: -233.052+/-170.713 χ^2/NDF: 25.9/24

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

In: -427.416+/-185.442 χ^2/NDF:19.9/27

Out: -22.370+/-184.864 χ^2/NDF:23.6/30

All: -224.261+/-130.923 χ^2/NDF: 45.9/58



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

Left Out: 777.314+/-0.170 χ^2/NDF:1309.2/12

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

Left In: 778.422+/-0.171 χ^2/NDF:2272.5/11

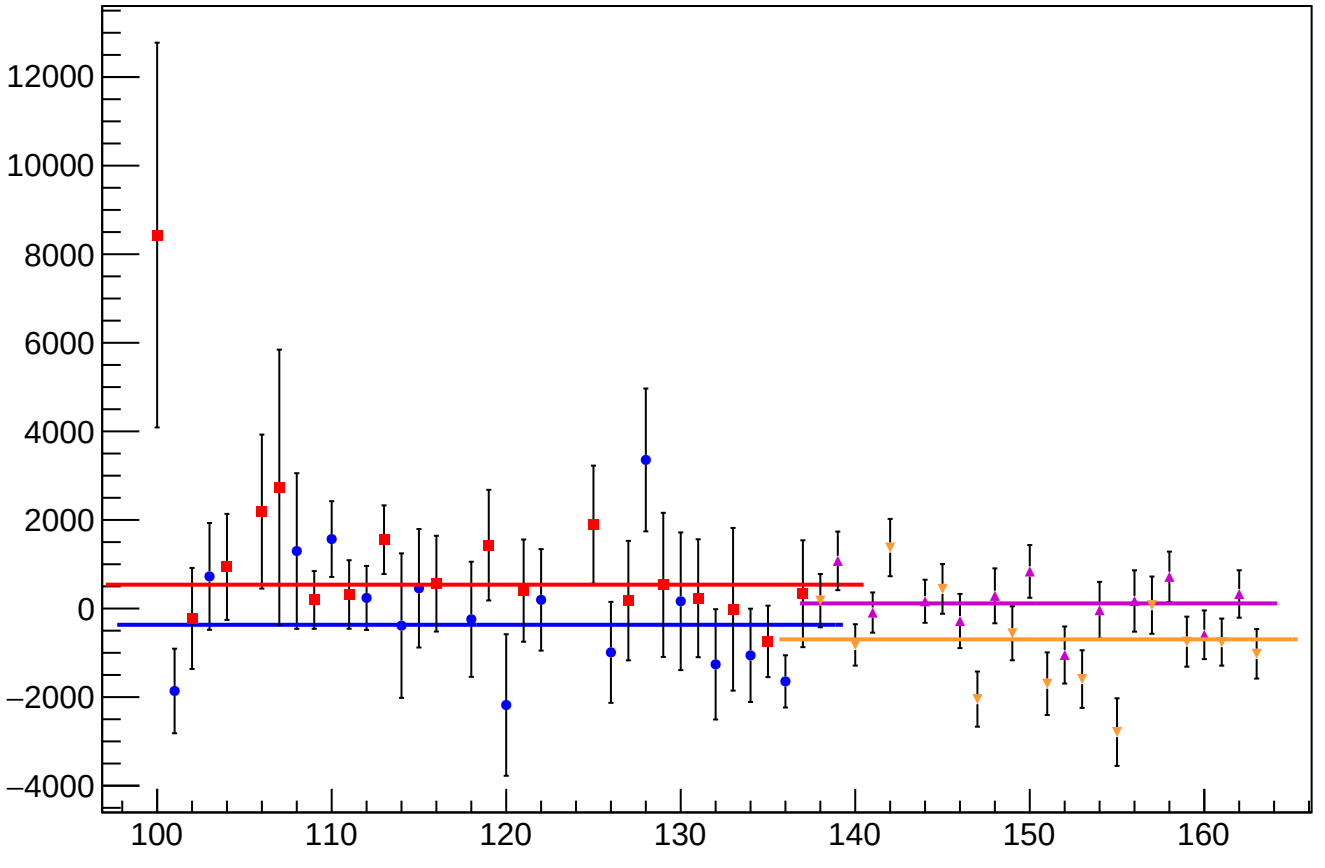
Left: 777.866+/-0.121 χ^2/NDF: 3602.7/24

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

In: 778.114+/-0.131 χ^2/NDF:14335.8/27

Out: 779.152+/-0.131 χ^2/NDF:9217.8/30

All: 778.634+/-0.093 χ^2/NDF: 23585.0/58



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

Left Out: -695.765+/-165.436 χ^2/NDF:34.5/12

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

Left In: 115.853+/-165.991 χ^2/NDF:10.6/11

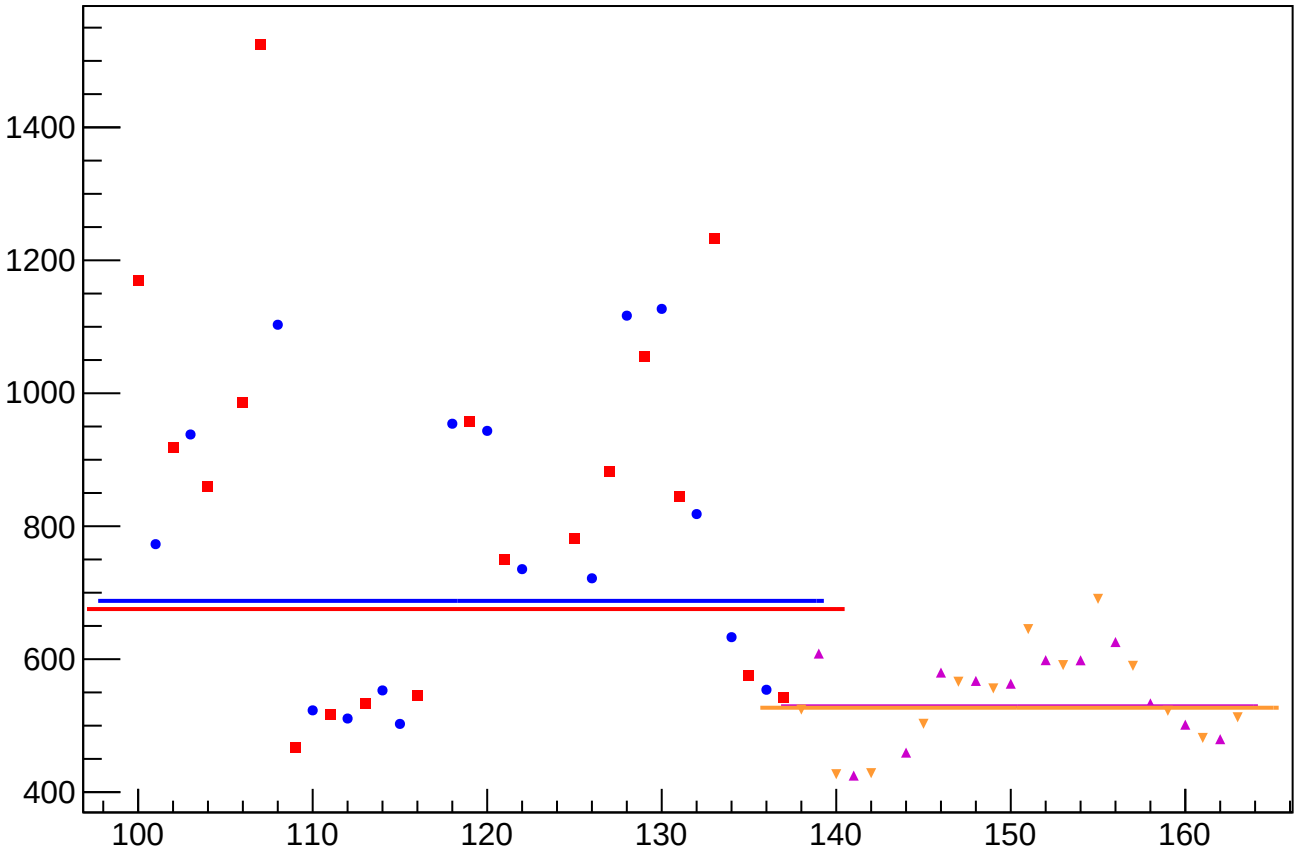
Left: -291.313+/-117.177 χ^2/NDF: 57.1/24

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

In: -18.968+/-140.925 χ^2/NDF:36.2/27

Out: -345.556+/-140.021 χ^2/NDF:62.0/30

All: -183.312+/-99.328 χ^2/NDF: 100.9/58



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

Left Out: 526.972+/-0.117 χ^2/NDF:356751.1/12

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

Left In: 529.122+/-0.117 χ^2/NDF:311026.3/11

Left: 528.043+/-0.083 χ^2/NDF: 667945.8/24

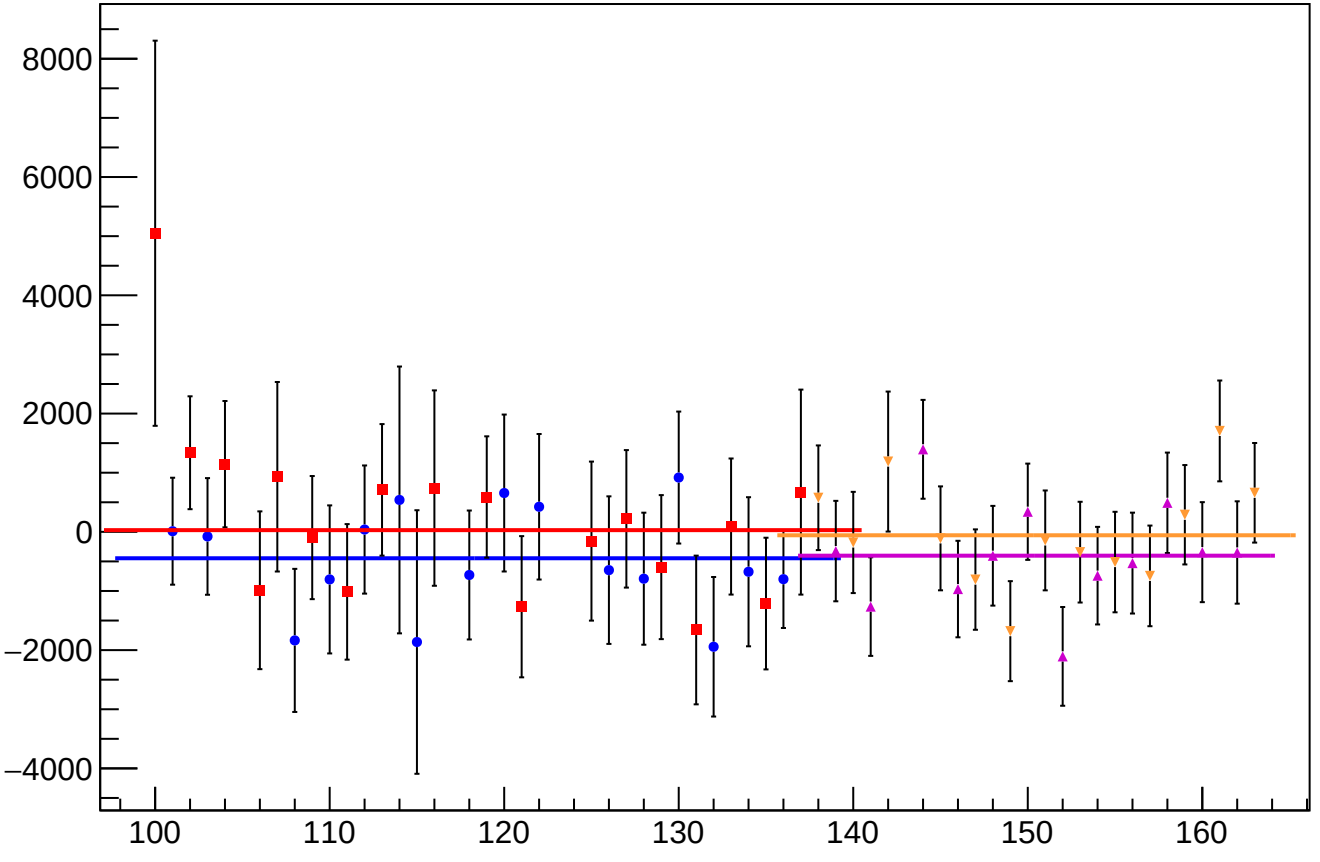
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 573.404+/-0.100 χ^2/NDF:1852702.9/27

Out: 569.076+/-0.099 χ^2/NDF:2126463.6/30

All: 571.226+/-0.070 χ^2/NDF: 3980115.5/58

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -57.925+/-241.219 χ^2/NDF:12.3/12

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

Left In: -403.081+/-242.009 χ^2/NDF:12.5/11

Left: -229.939+/-170.846 χ^2/NDF: 25.8/24

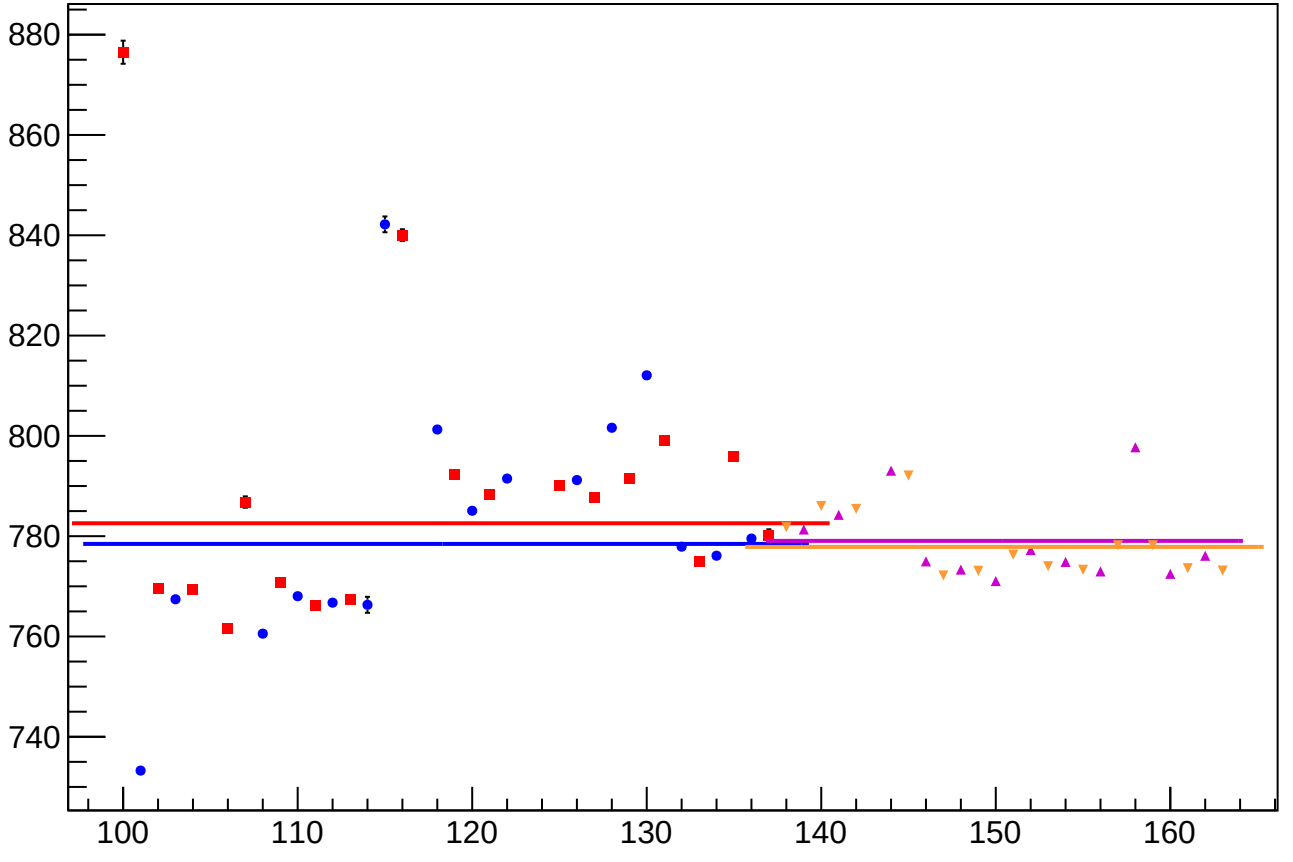
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -421.026+/-185.608 χ^2/NDF:19.8/27

Out: -22.229+/-185.023 χ^2/NDF:25.0/30

All: -220.998+/-131.037 χ^2/NDF: 47.1/58

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

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

Left In: 779.061+/-0.171 χ^2/NDF:2262.0/11

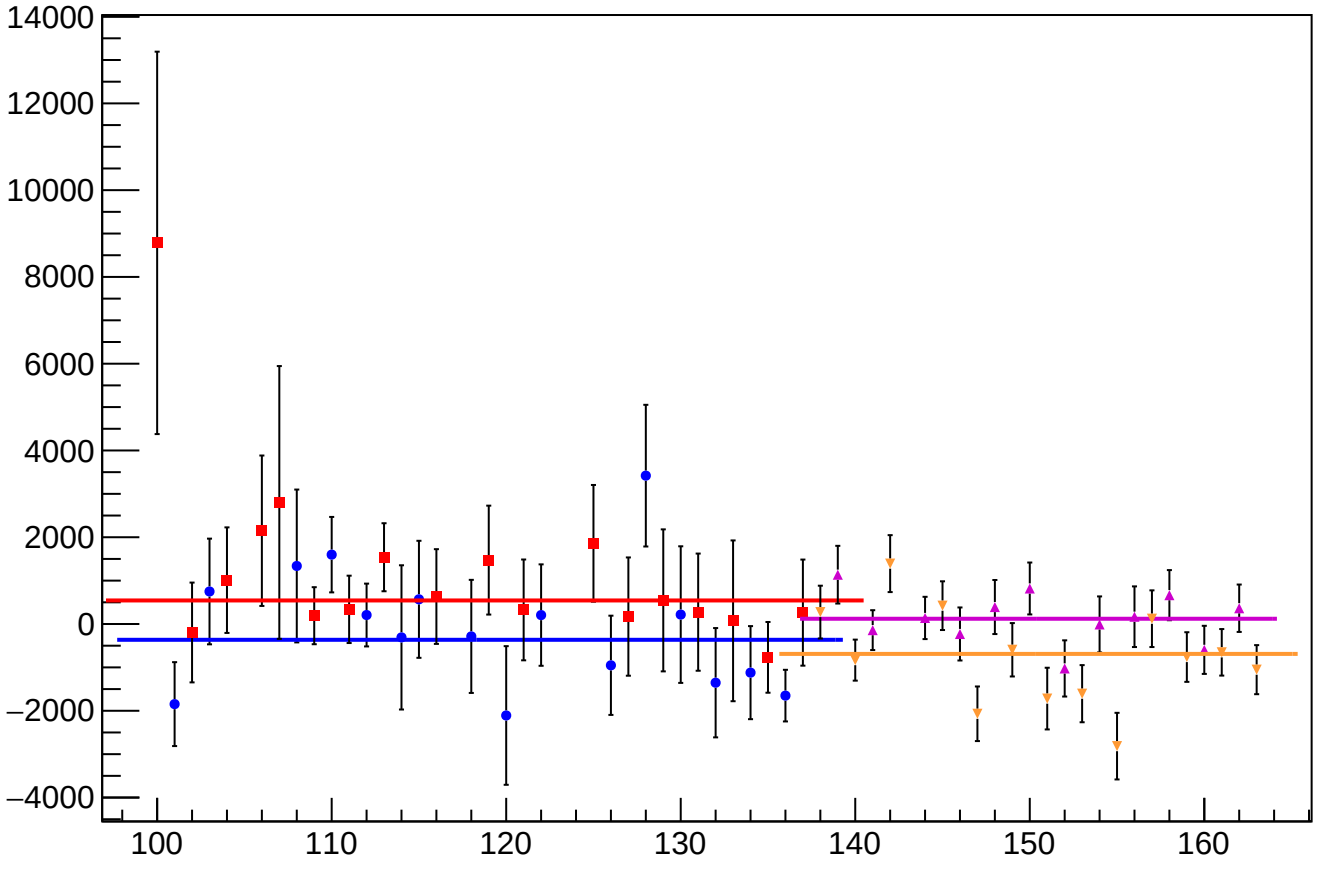
Left: 778.459+/-0.121 χ^2/NDF: 3486.0/24

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

In: 778.812+/-0.131 χ^2/NDF:14062.4/27

Out: 779.802+/-0.131 χ^2/NDF:8995.1/30

All: 779.308+/-0.093 χ^2/NDF: 23086.1/58



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

Left Out: -689.165+/-167.081 χ^2/NDF:35.1/12

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

Left In: 121.099+/-167.372 χ^2/NDF:10.5/11

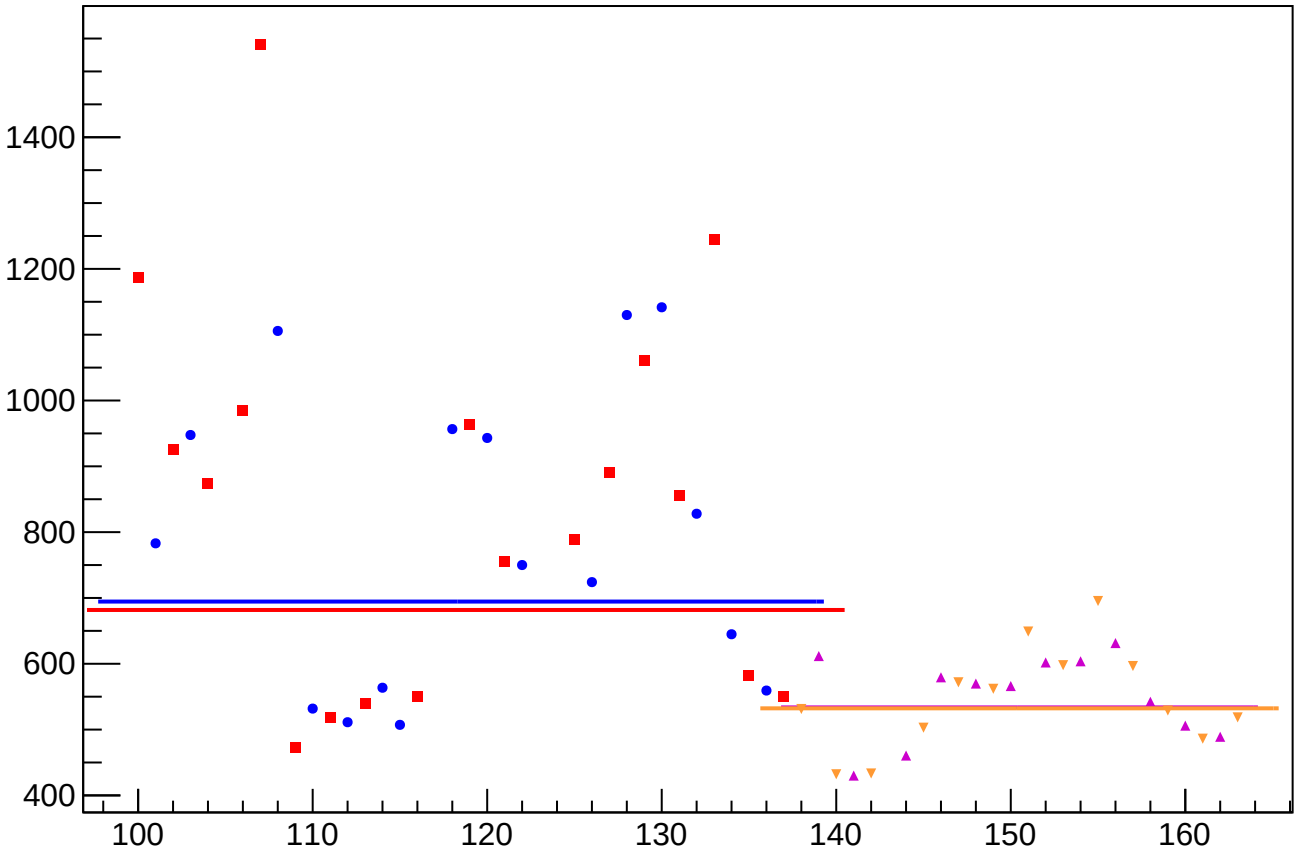
Left: -284.739+/-118.247 χ^2/NDF: 57.3/24

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

In: -14.052+/-142.156 χ^2/NDF:36.1/27

Out: -339.229+/-141.376 χ^2/NDF:62.3/30

All: -177.536+/-100.243 χ^2/NDF: 101.1/58



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

Left Out: 532.296+/-0.118 χ^2/NDF:352704.0/12

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

Left In: 533.730+/-0.118 χ^2/NDF:301975.0/11

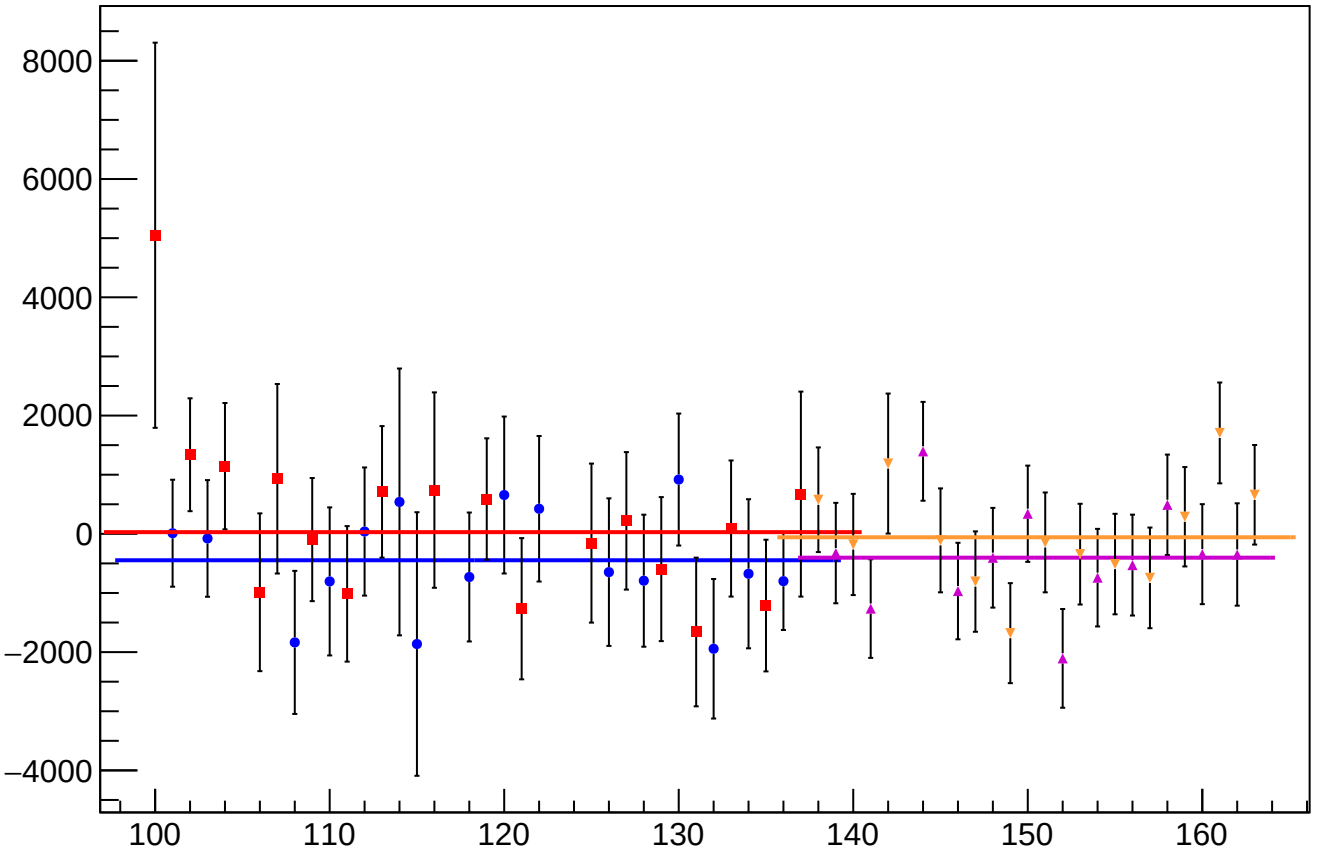
Left: 533.012+/-0.084 χ^2/NDF: 654752.5/24

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

In: 578.530+/-0.101 χ^2/NDF:1846141.4/27

Out: 574.744+/-0.100 χ^2/NDF:2118507.7/30

All: 576.626+/-0.071 χ^2/NDF: 3965362.5/58



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

Left Out: -57.927+/-241.219 χ^2/NDF:12.3/12

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

Left In: -403.080+/-242.009 χ^2/NDF:12.5/11

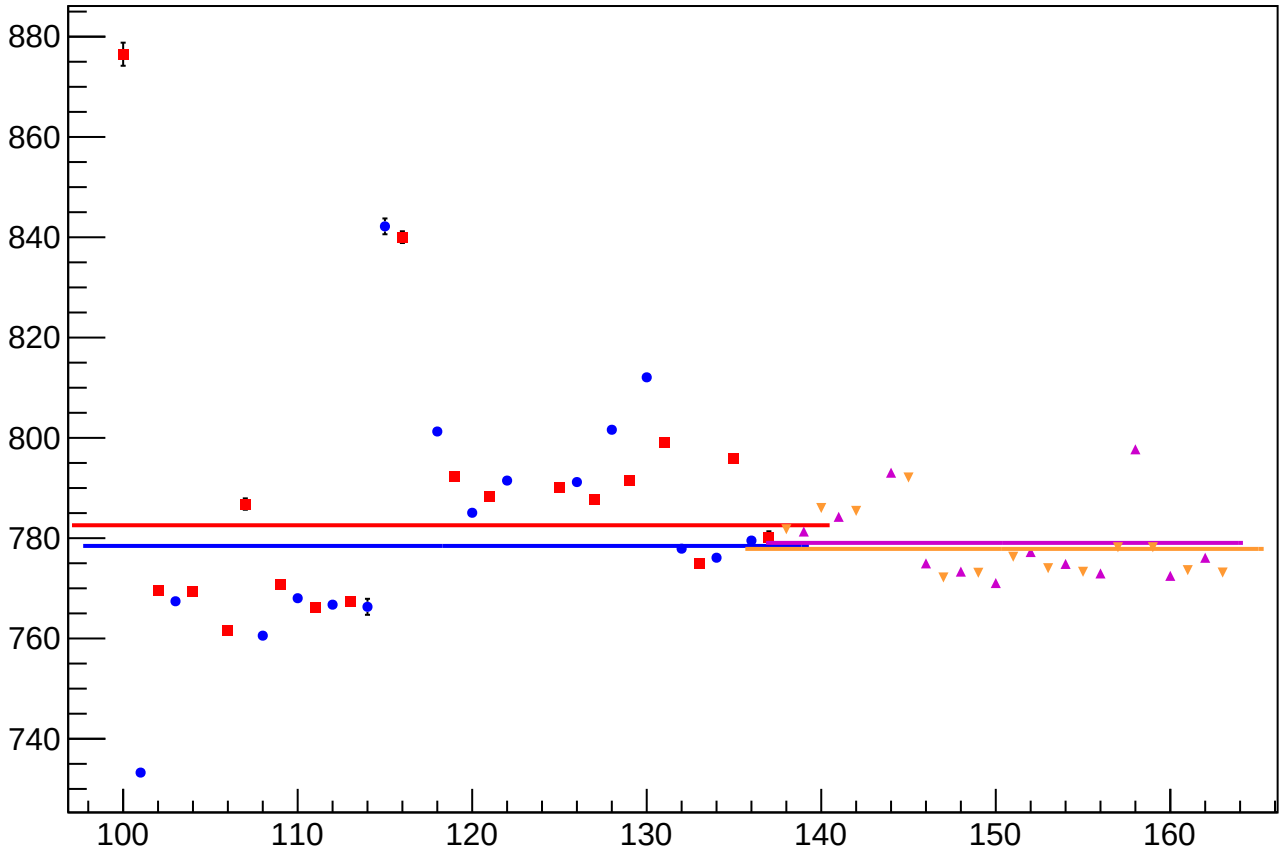
Left: -229.939+/-170.846 χ^2/NDF: 25.8/24

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

In: -421.026+/-185.608 χ^2/NDF:19.8/27

Out: -22.230+/-185.023 χ^2/NDF:25.0/30

All: -220.998+/-131.037 χ^2/NDF: 47.1/58



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

Left Out: 777.862+/-0.171 χ^2/NDF:1199.4/12

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

Left In: 779.061+/-0.171 χ^2/NDF:2262.0/11

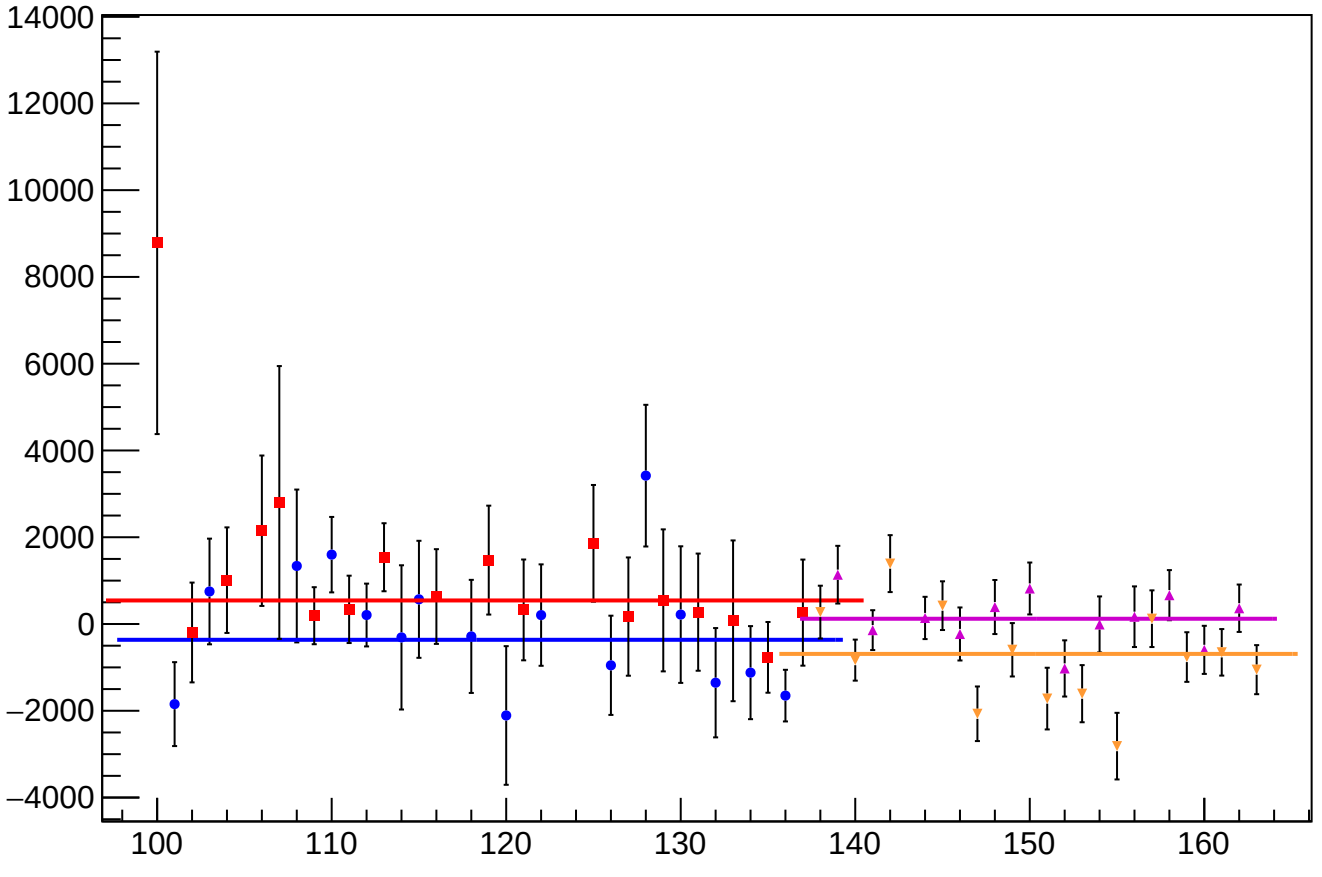
Left: 778.459+/-0.121 χ^2/NDF: 3486.0/24

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

In: 778.812+/-0.131 χ^2/NDF:14062.3/27

Out: 779.802+/-0.131 χ^2/NDF:8995.1/30

All: 779.308+/-0.093 χ^2/NDF: 23086.0/58



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

Left Out: -689.165+/-167.081 χ^2/NDF:35.1/12

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

Left In: 121.098+/-167.373 χ^2/NDF:10.5/11

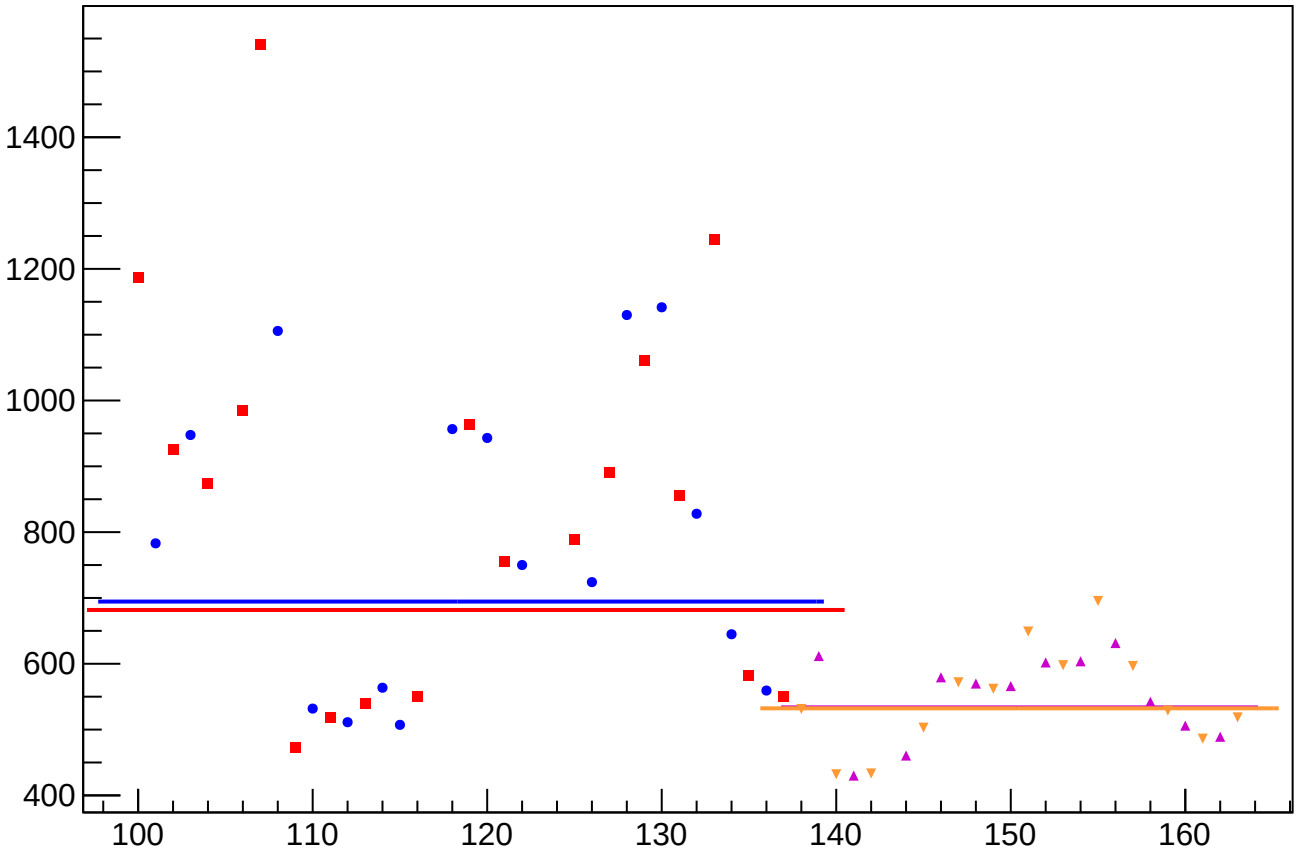
Left: -284.739+/-118.247 χ^2/NDF: 57.3/24

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

In: -14.052+/-142.156 χ^2/NDF:36.1/27

Out: -339.227+/-141.376 χ^2/NDF:62.3/30

All: -177.535+/-100.243 χ^2/NDF: 101.1/58



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

Left Out: 532.296+/-0.118 χ^2/NDF:352716.3/12

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

Left In: 533.731+/-0.118 χ^2/NDF:301986.8/11

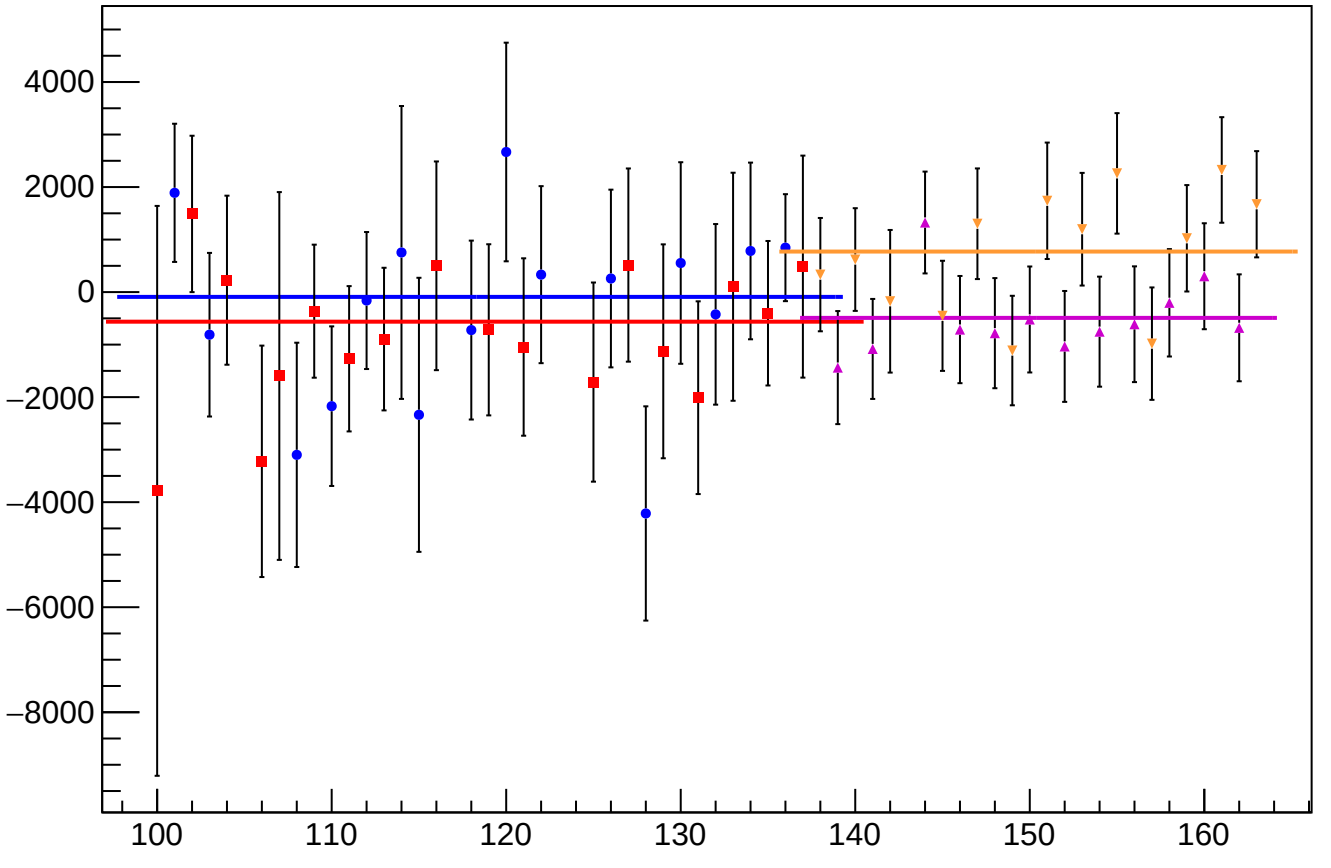
Left: 533.012+/-0.084 χ^2/NDF: 654776.7/24

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

In: 578.530+/-0.101 χ^2/NDF:1846143.8/27

Out: 574.743+/-0.100 χ^2/NDF:2118521.8/30

All: 576.626+/-0.071 χ^2/NDF: 3965379.0/58



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

Left Out: 771.974+/-295.701 χ^2/NDF:14.1/12

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

Left In: -491.002+/-295.939 χ^2/NDF:5.9/11

Left: 140.994+/-209.176 χ^2/NDF: 29.1/24

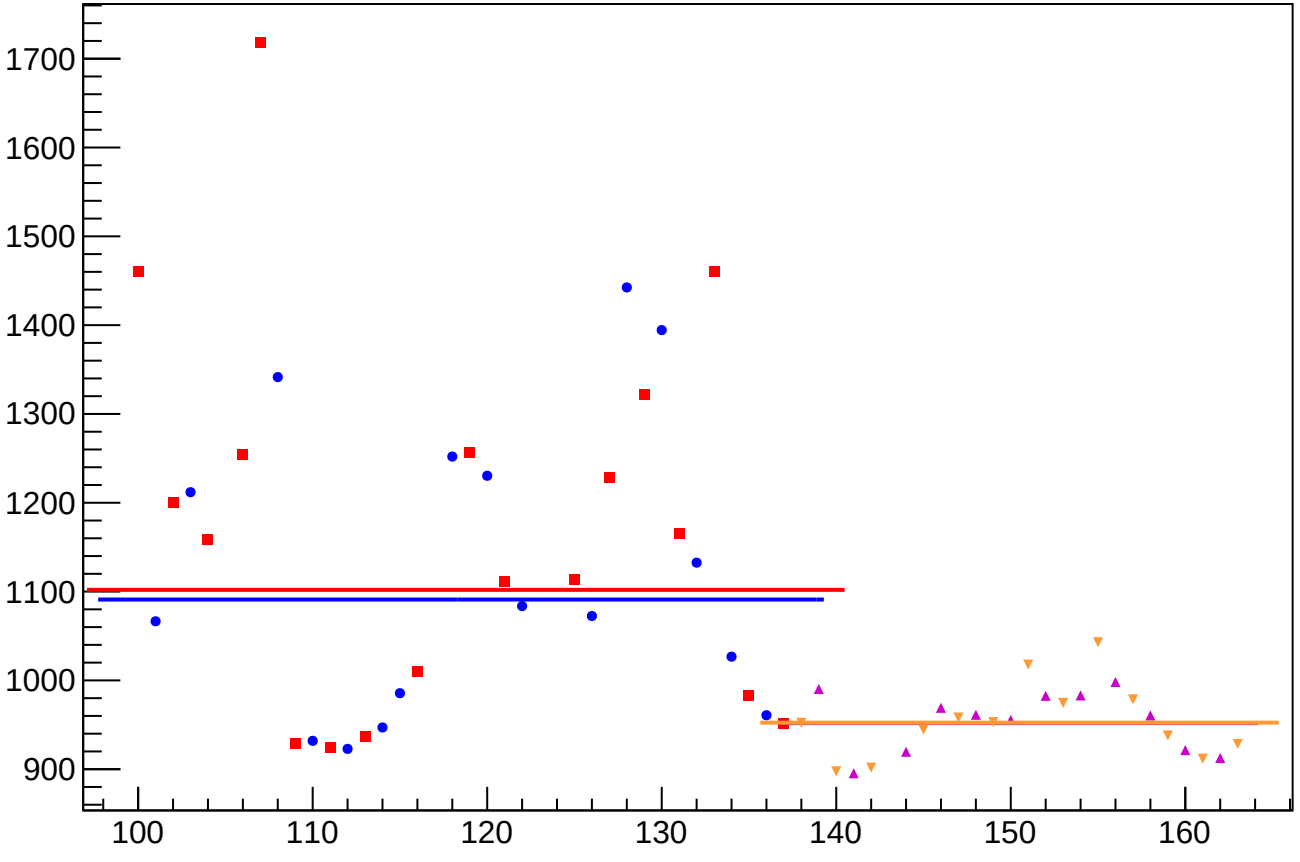
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -354.072+/-239.951 χ^2/NDF:21.0/27

Out: 317.367+/-240.144 χ^2/NDF:27.6/30

All: -18.623+/-169.739 χ^2/NDF: 52.5/58

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.422+/-0.209 χ^2/NDF:35483.2/12

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

Left In: 951.916+/-0.209 χ^2/NDF:24474.9/11

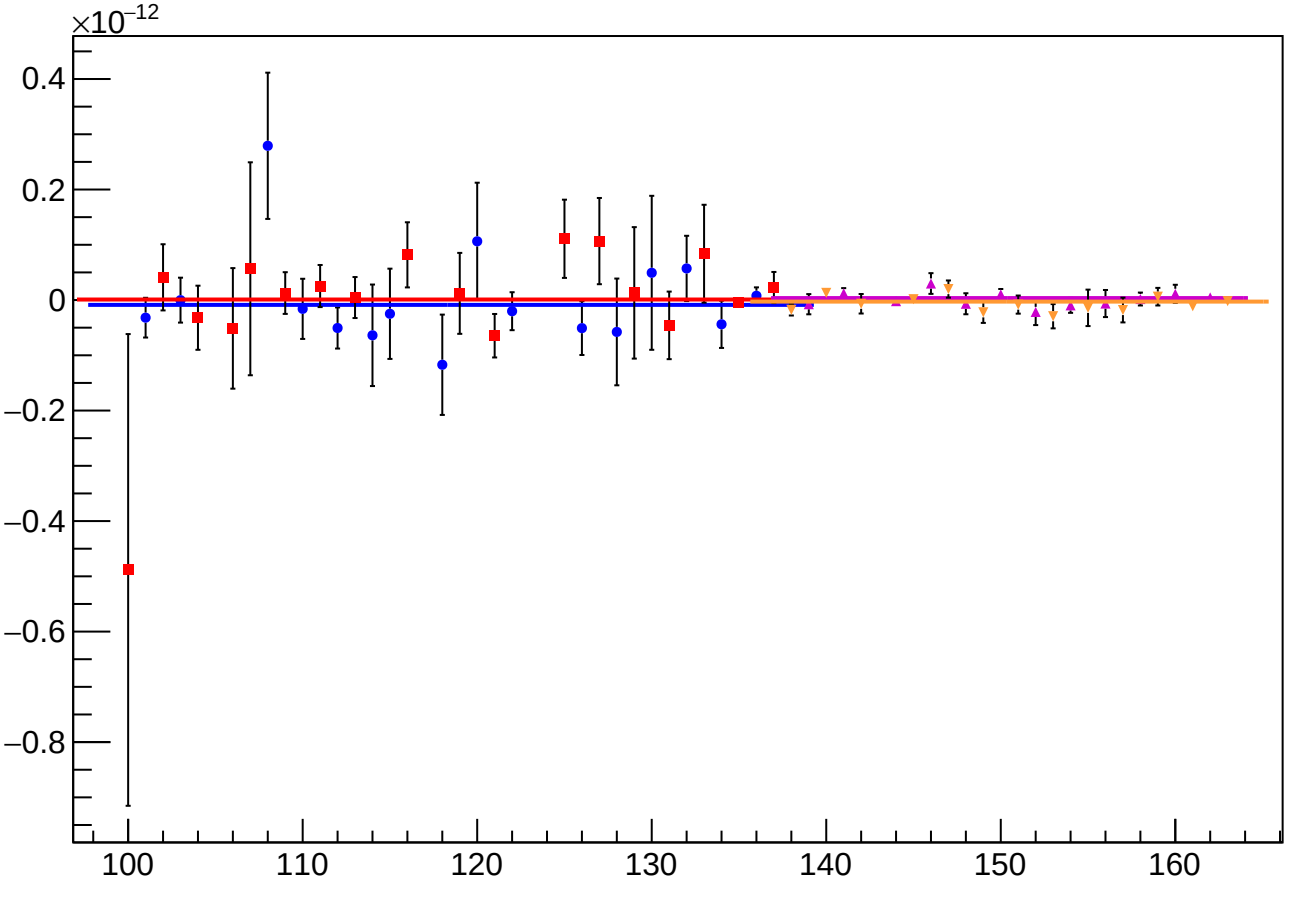
Left: 952.170+/-0.148 χ^2/NDF: 59961.0/24

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

In: 999.578+/-0.170 χ^2/NDF:453206.5/27

Out: 1003.332+/-0.170 χ^2/NDF:537712.8/30

All: 1001.454+/-0.120 χ^2/NDF: 991163.8/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/12

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

Left In: 0.000+/-0.000 χ^2/NDF:6.9/11

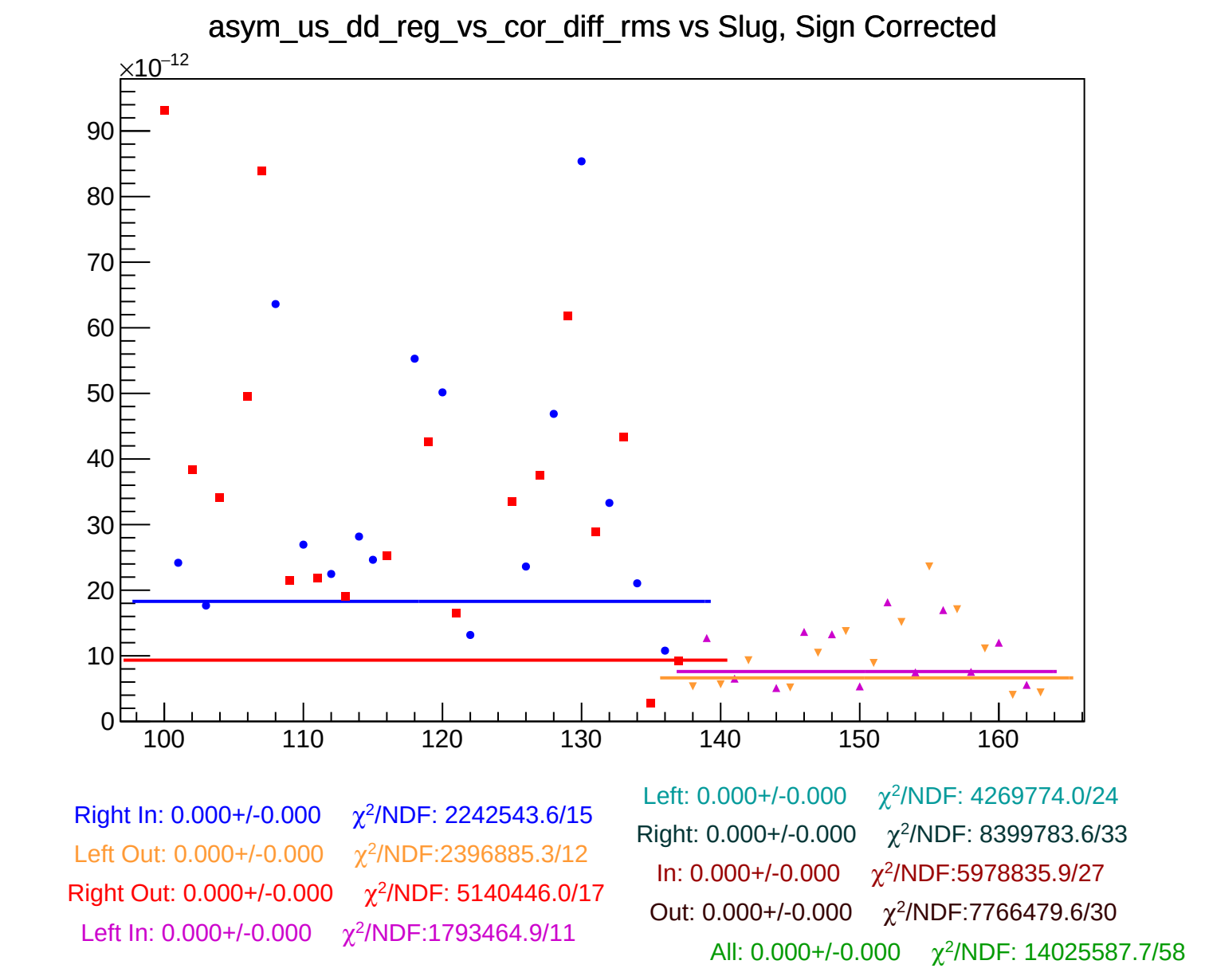
Left: 0.000+/-0.000 χ^2/NDF: 22.0/24

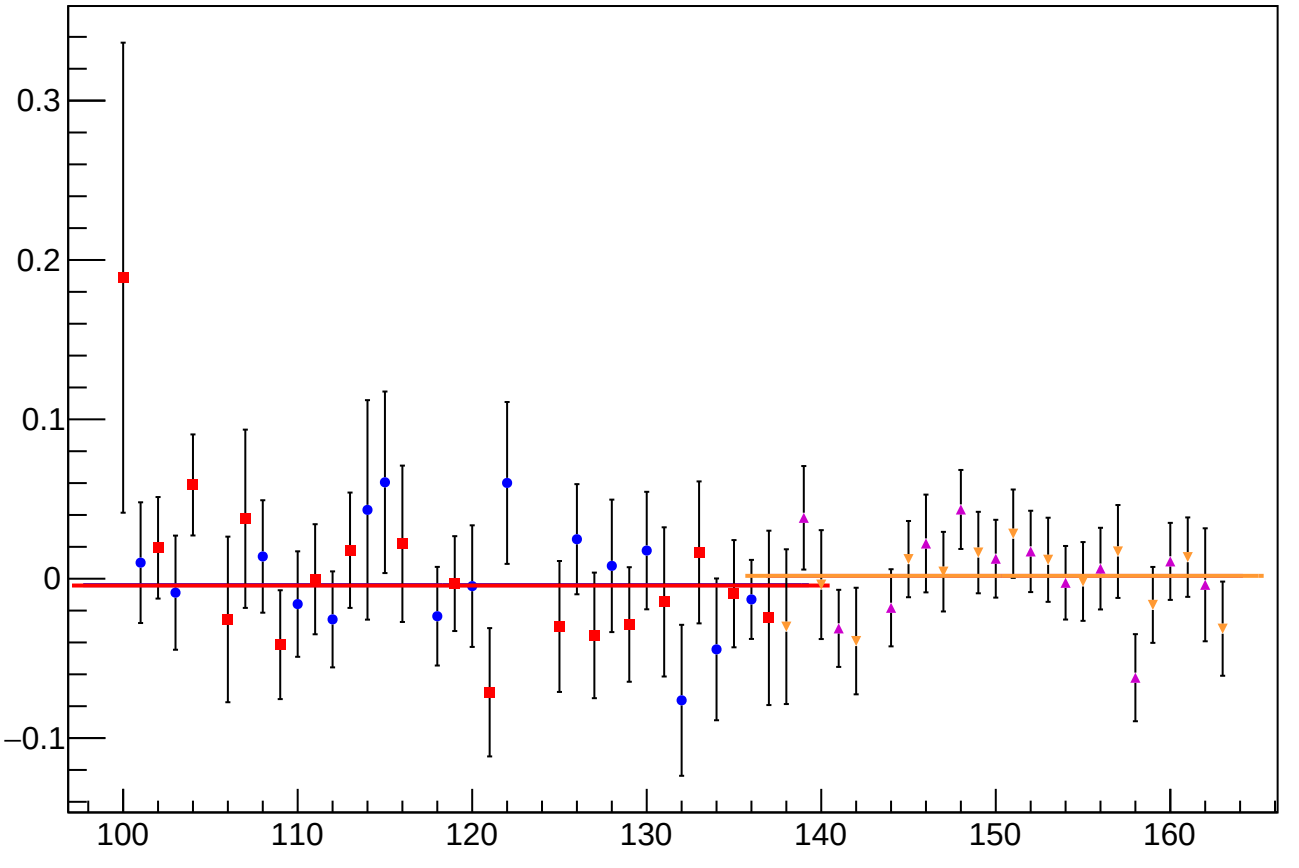
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:22.0/27

Out: -0.000+/-0.000 χ^2/NDF:28.0/30

All: -0.000+/-0.000 χ^2/NDF: 50.9/58


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2396885.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1793464.9/11
Left: 0.000+/-0.000 χ²/NDF: 4269774.0/24
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5978835.9/27
Out: 0.000+/-0.000 χ²/NDF:7766479.6/30
All: 0.000+/-0.000 χ²/NDF: 14025587.7/58



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: 0.002+/-0.008 χ^2/NDF:13.3/11

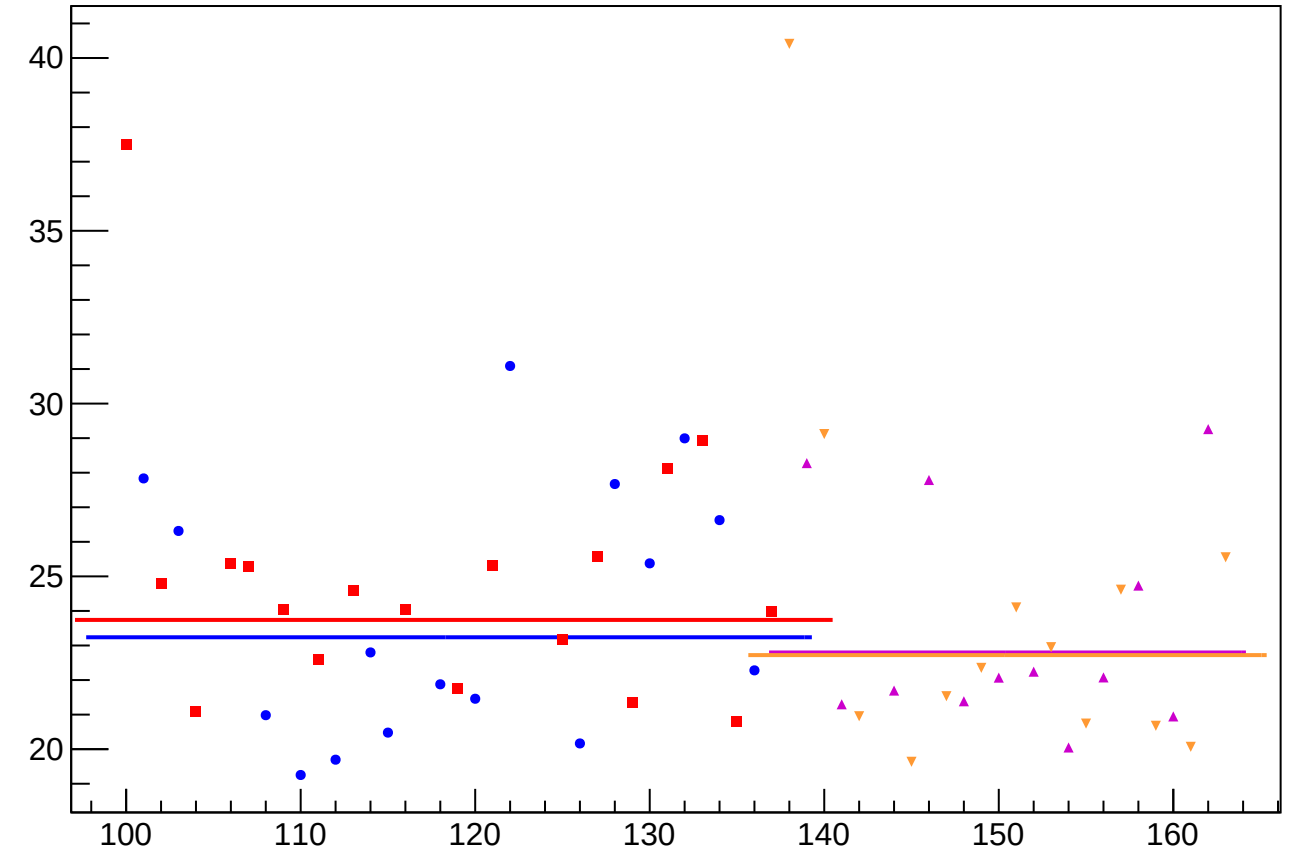
Left: 0.002+/-0.005 χ^2/NDF: 19.2/24

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

In: -0.001+/-0.006 χ^2/NDF:22.8/27

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.001+/-0.004 χ^2/NDF: 42.4/58



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

Left Out: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

Left In: 22.798+/-0.005 χ^2/NDF:249126.8/11

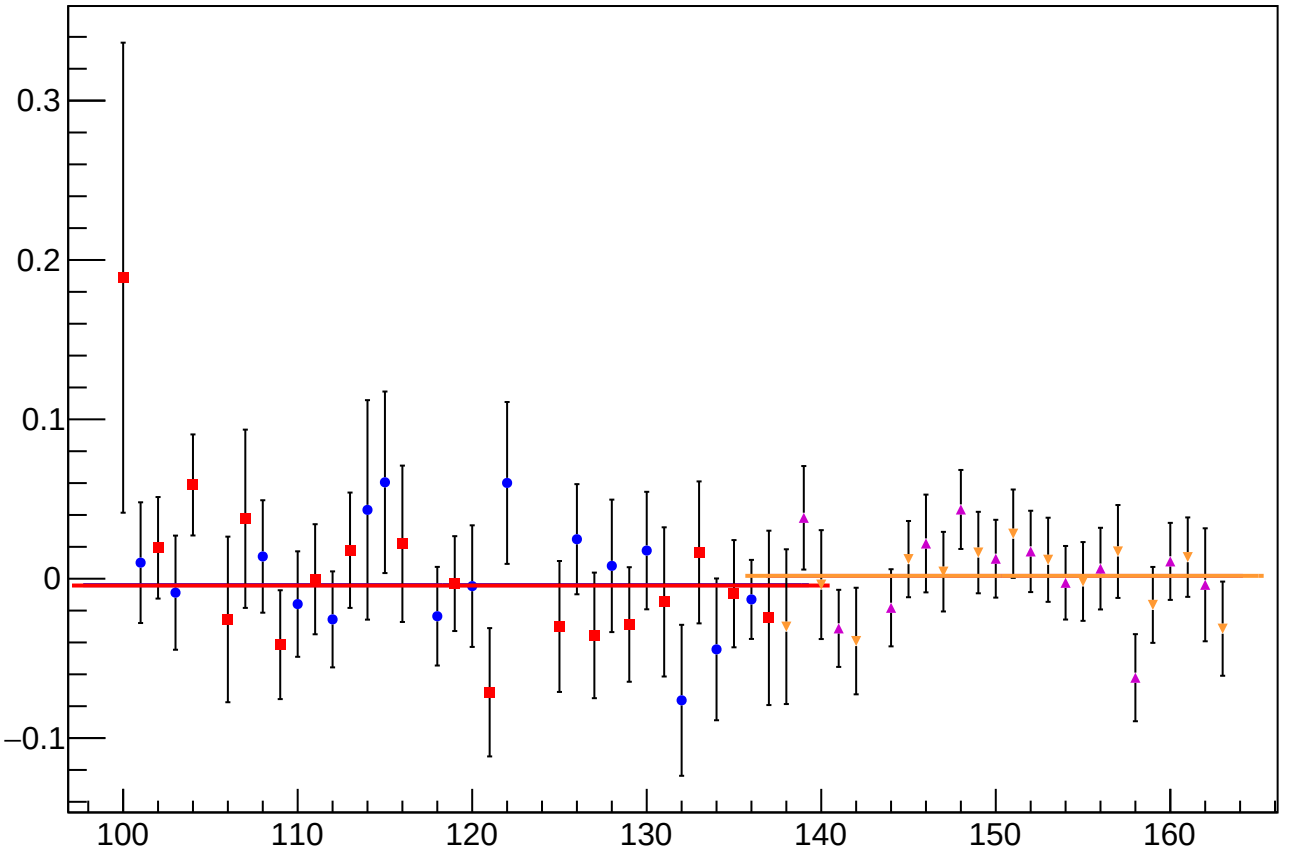
Left: 22.760+/-0.004 χ^2/NDF: 710679.7/24

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

In: 22.974+/-0.004 χ^2/NDF:511073.4/27

Out: 23.132+/-0.004 χ^2/NDF:601921.6/30

All: 23.052+/-0.003 χ^2/NDF: 1113715.4/58



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: 0.002+/-0.008 χ^2/NDF:13.3/11

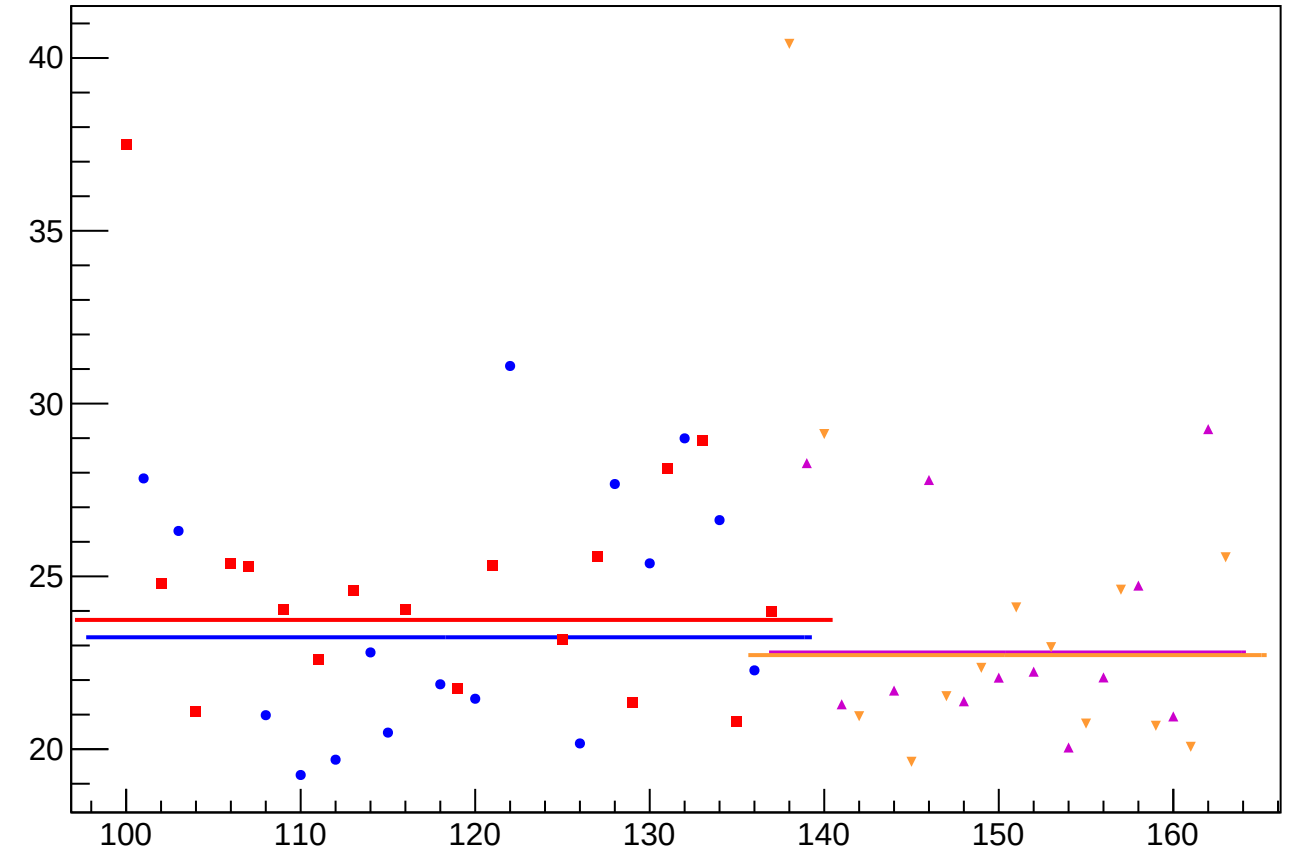
Left: 0.002+/-0.005 χ^2/NDF: 19.2/24

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

In: -0.001+/-0.006 χ^2/NDF:22.8/27

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.001+/-0.004 χ^2/NDF: 42.4/58



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

Left Out: 22.722+/-0.005 χ^2/NDF:461453.2/12

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

Left In: 22.798+/-0.005 χ^2/NDF:249126.8/11

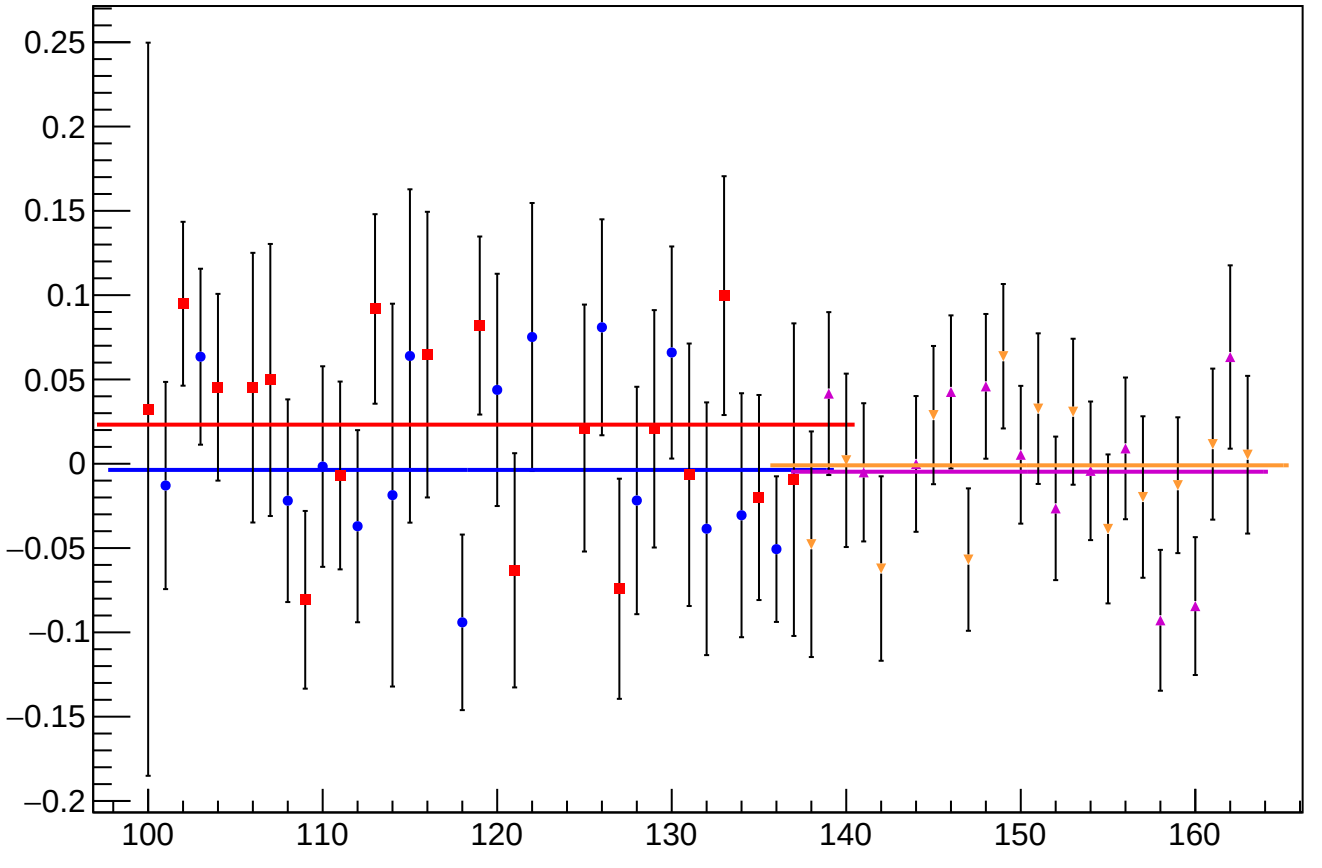
Left: 22.760+/-0.004 χ^2/NDF: 710679.7/24

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

In: 22.974+/-0.004 χ^2/NDF:511073.4/27

Out: 23.132+/-0.004 χ^2/NDF:601921.6/30

All: 23.052+/-0.003 χ^2/NDF: 1113715.4/58



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

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

Left In: -0.005+/-0.012 χ^2/NDF:13.7/11

Left: -0.003+/-0.009 χ^2/NDF: 22.2/24

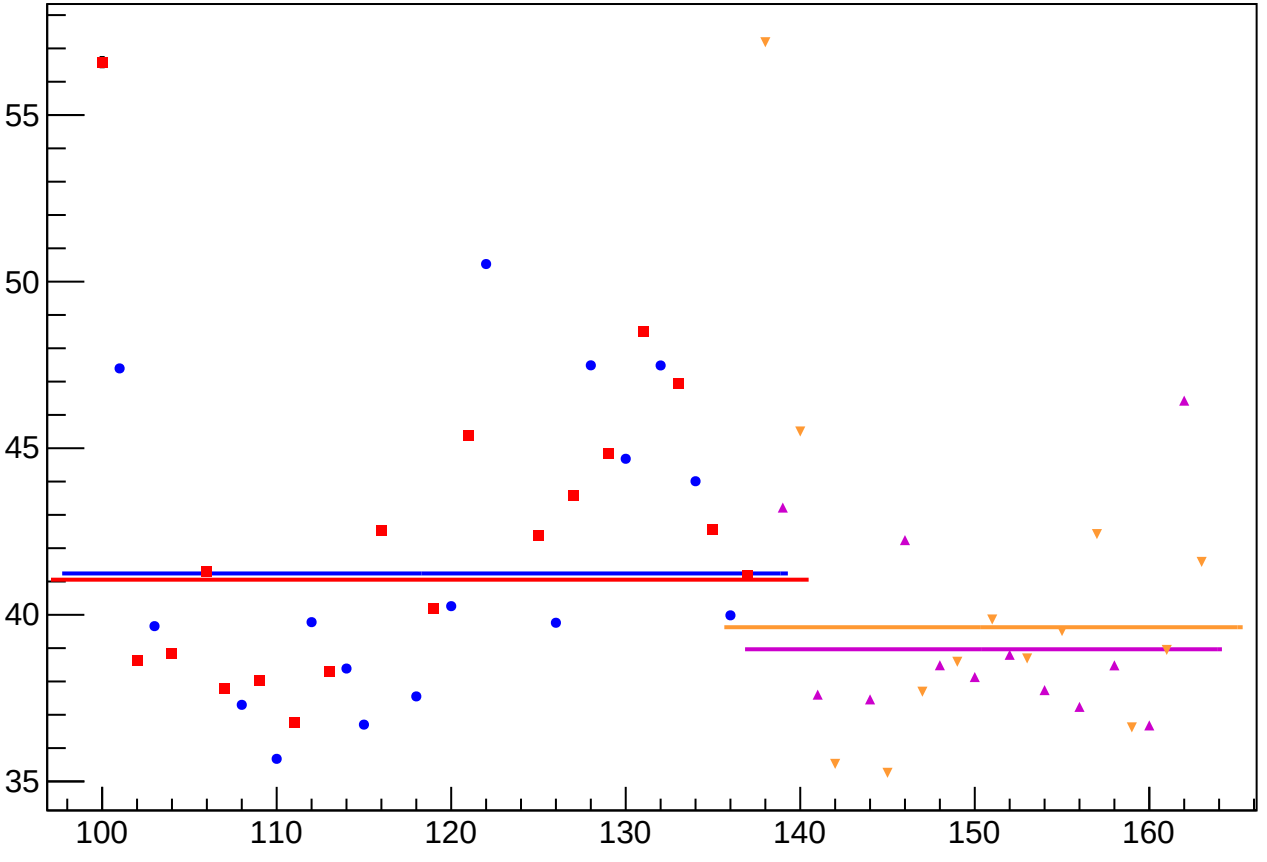
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.010 χ^2/NDF:25.3/27

Out: 0.009+/-0.010 χ^2/NDF:25.3/30

All: 0.002+/-0.007 χ^2/NDF: 51.5/58

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: 39.628+/-0.009 χ^2/NDF:226099.3/12

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

Left In: 38.966+/-0.009 χ^2/NDF:81377.9/11

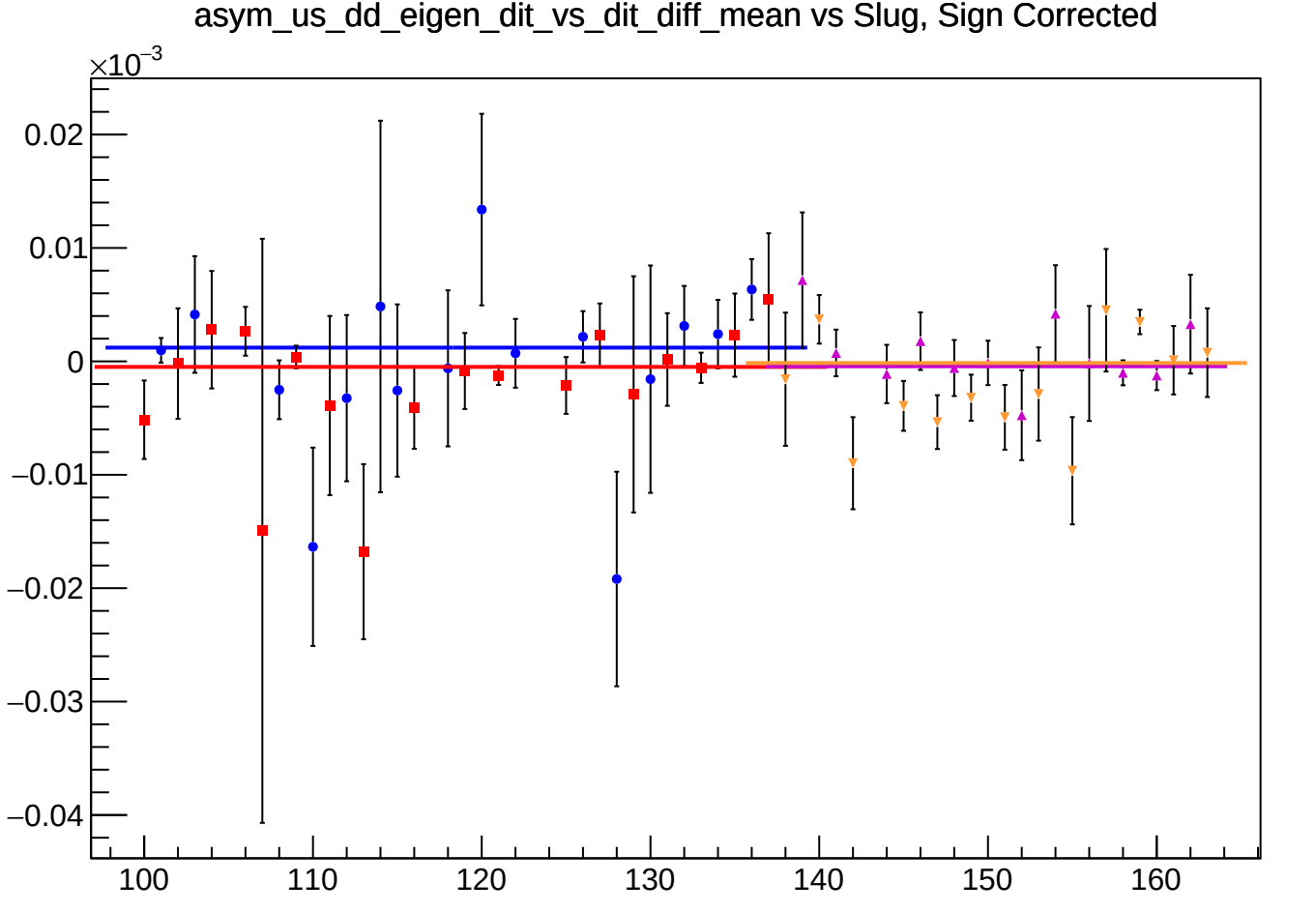
Left: 39.289+/-0.006 χ^2/NDF: 310251.8/24

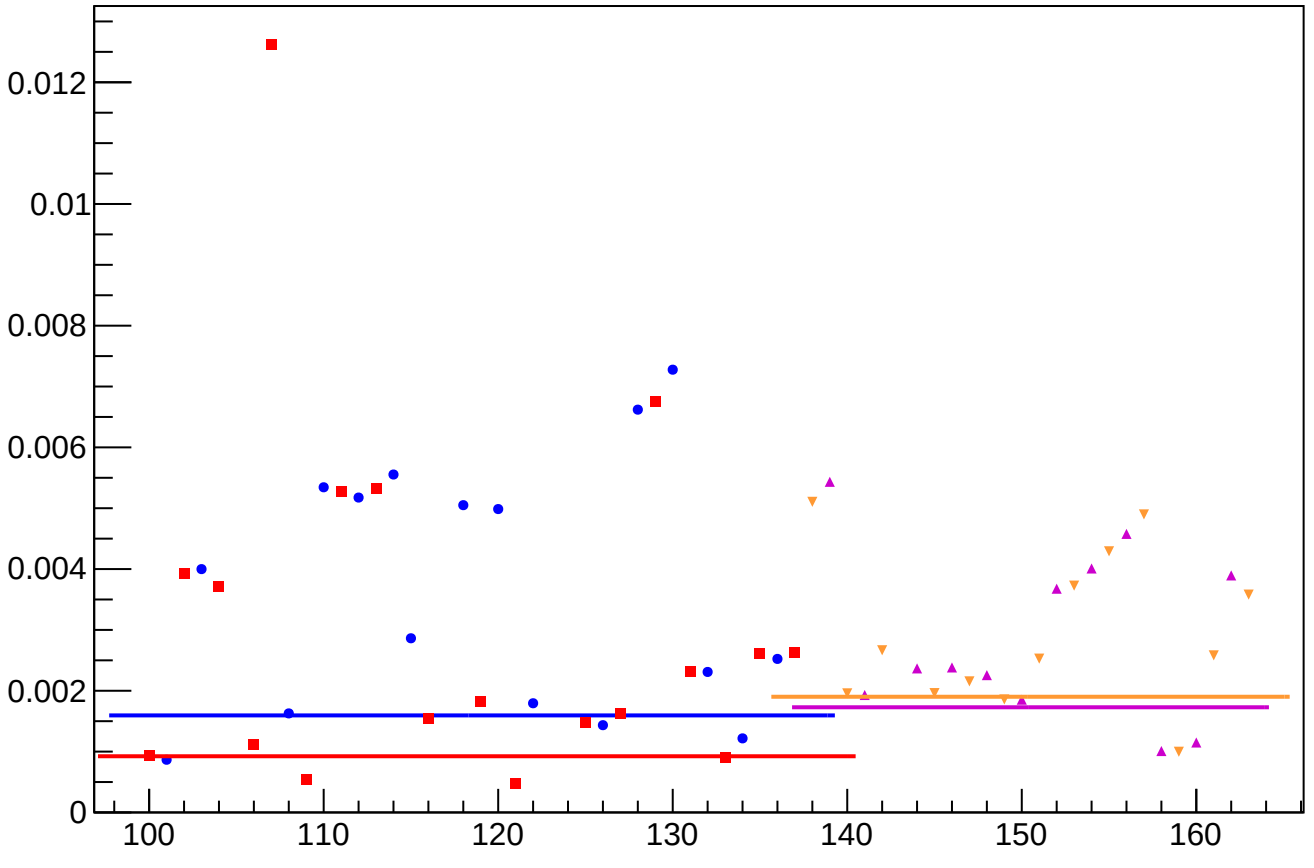
Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

In: 39.839+/-0.007 χ^2/NDF:242434.0/27

Out: 40.201+/-0.007 χ^2/NDF:332789.2/30

All: 40.019+/-0.005 χ^2/NDF: 576590.4/58


asym_us_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.3/15
Left Out: -0.000+/-0.000 χ²/NDF:37.4/12
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.6/11
Left: -0.000+/-0.000 χ²/NDF: 44.1/24
Right: 0.000+/-0.000 χ²/NDF: 36.9/33
In: 0.000+/-0.000 χ²/NDF:27.8/27
Out: -0.000+/-0.000 χ²/NDF:52.6/30
All: -0.000+/-0.000 χ²/NDF: 81.3/58



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

Left Out: 0.002+/-0.000 χ^2/NDF:4185148.5/12

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

Left In: 0.002+/-0.000 χ^2/NDF:4586104.4/11

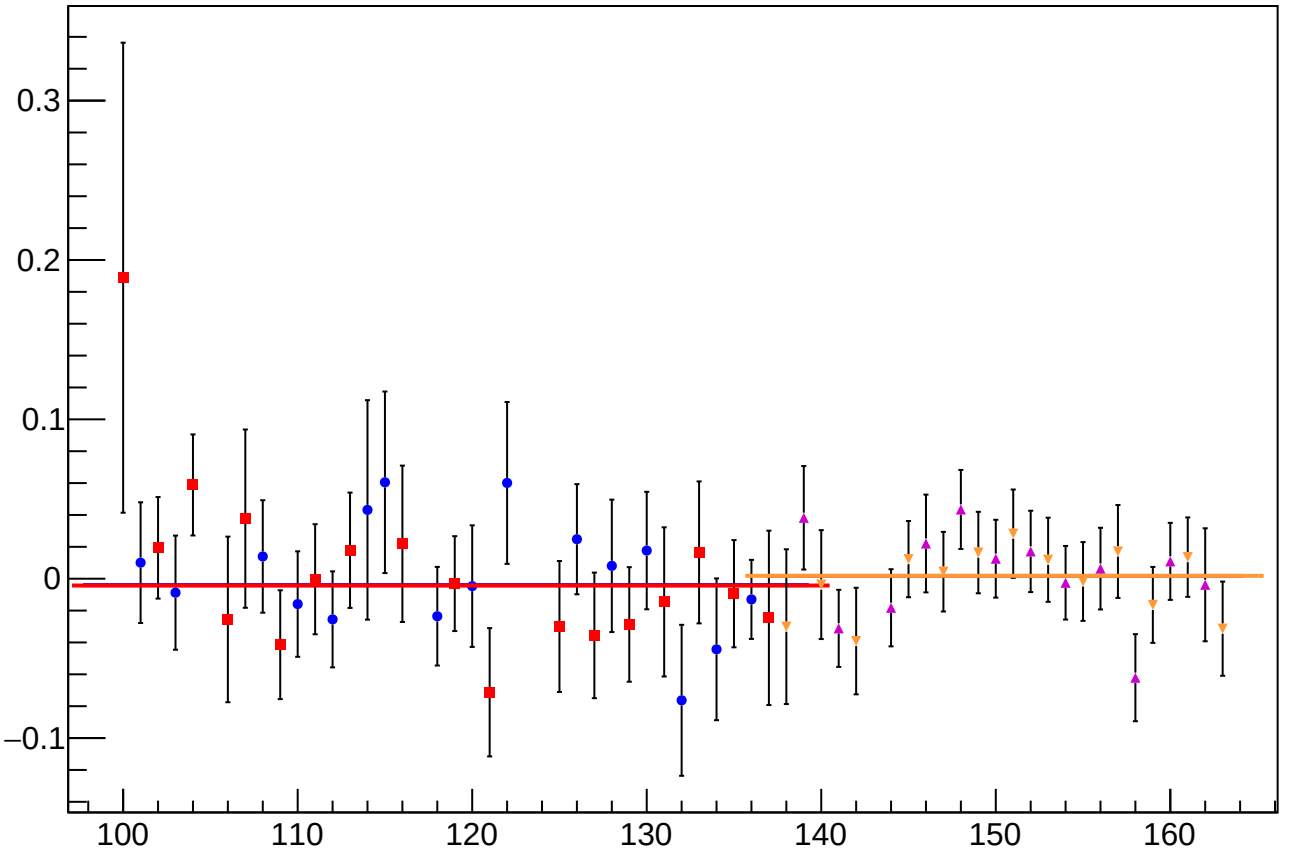
Left: 0.002+/-0.000 χ^2/NDF: 8843517.8/24

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

In: 0.002+/-0.000 χ^2/NDF:9386053.0/27

Out: 0.001+/-0.000 χ^2/NDF:12715755.3/30

All: 0.001+/-0.000 χ^2/NDF: 22945962.4/58



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

Left Out: 0.002+/-0.008 χ^2/NDF:5.9/12

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

Left In: 0.002+/-0.008 χ^2/NDF:13.3/11

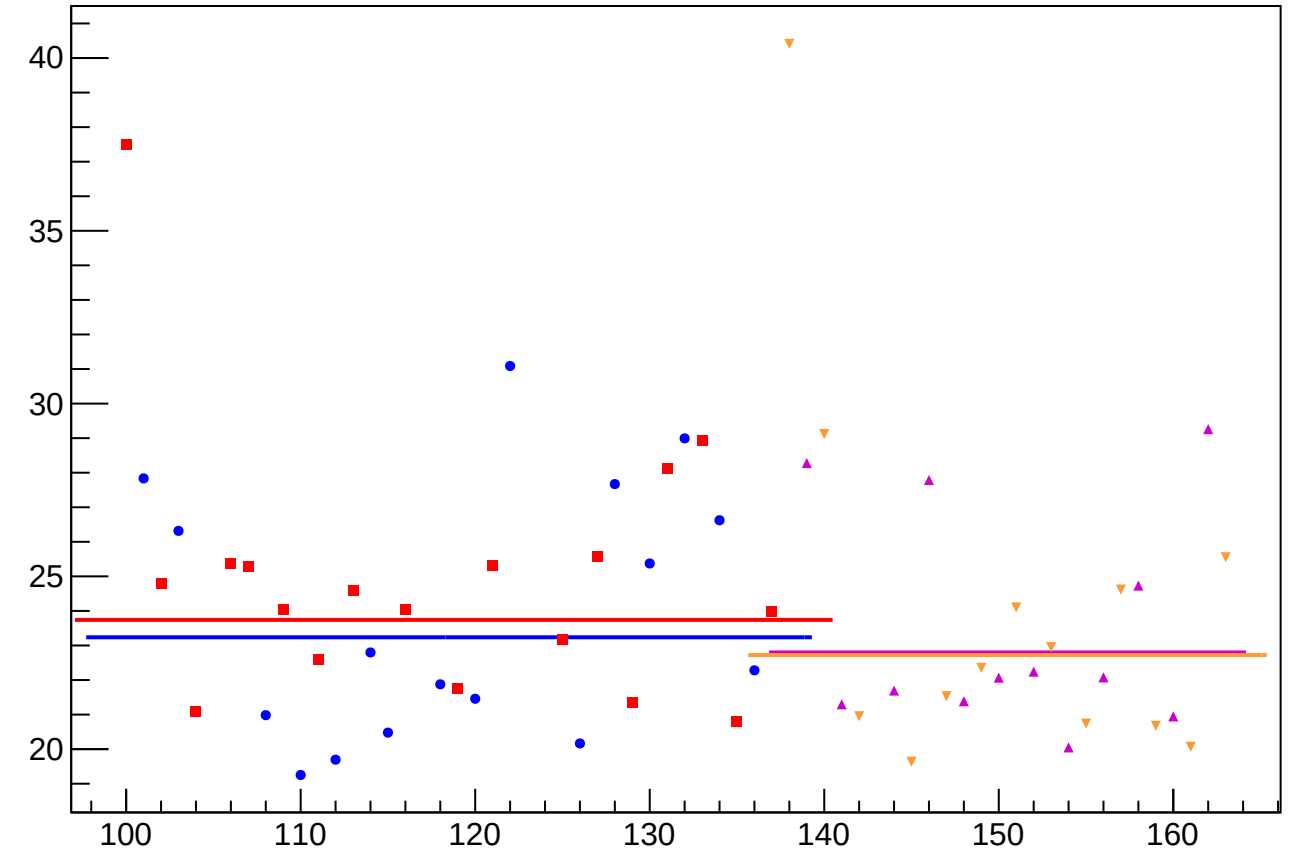
Left: 0.002+/-0.005 χ^2/NDF: 19.2/24

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

In: -0.001+/-0.006 χ^2/NDF:22.8/27

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.001+/-0.004 χ^2/NDF: 42.4/58



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

Left Out: 22.722+/-0.005 χ^2/NDF:461479.2/12

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

Left In: 22.798+/-0.005 χ^2/NDF:249089.2/11

Left: 22.761+/-0.004 χ^2/NDF: 710668.8/24

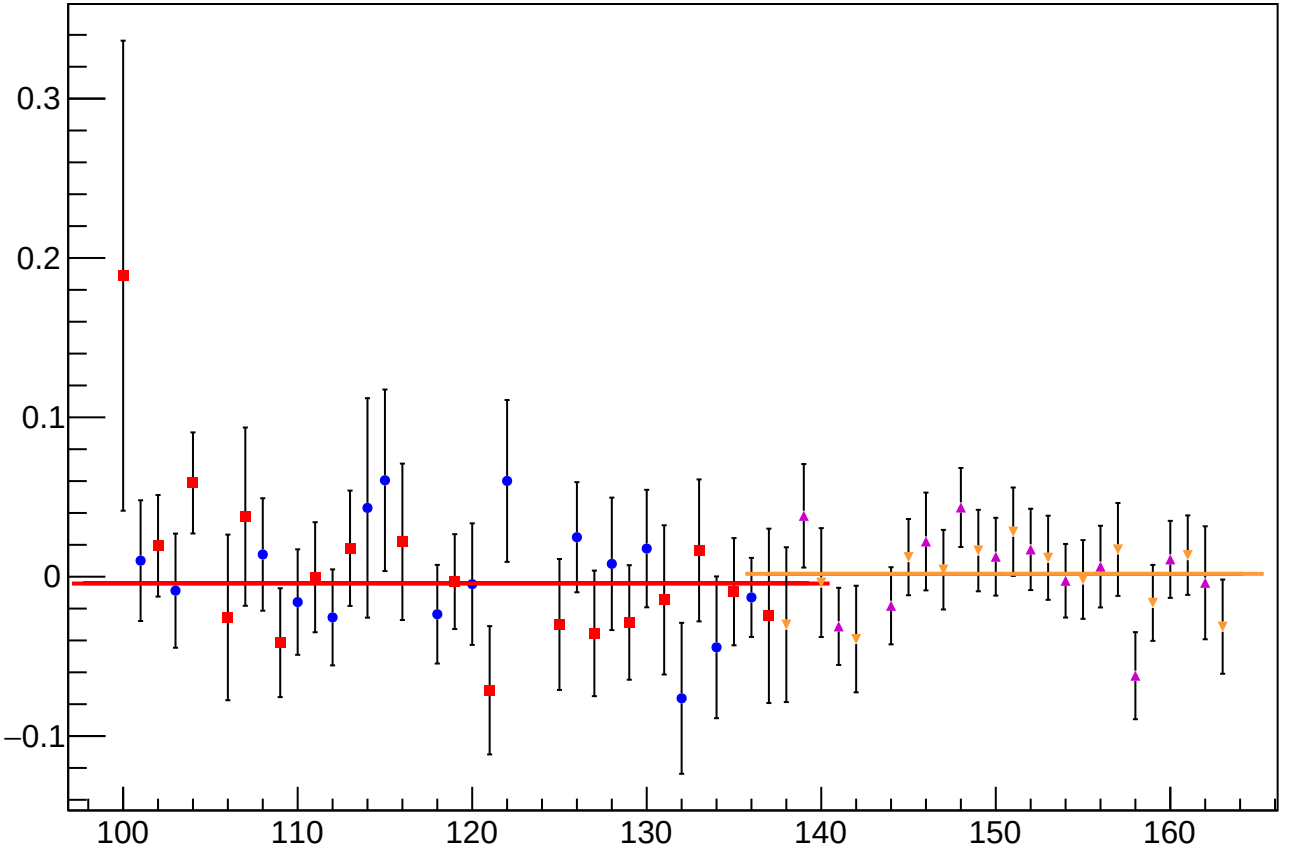
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 22.974+/-0.004 χ^2/NDF:511012.5/27

Out: 23.132+/-0.004 χ^2/NDF:601901.1/30

All: 23.052+/-0.003 χ^2/NDF: 1113635.9/58

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+/-0.008 χ^2/NDF:5.9/12

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

Left In: 0.002+/-0.008 χ^2/NDF:13.3/11

Left: 0.002+/-0.005 χ^2/NDF: 19.2/24

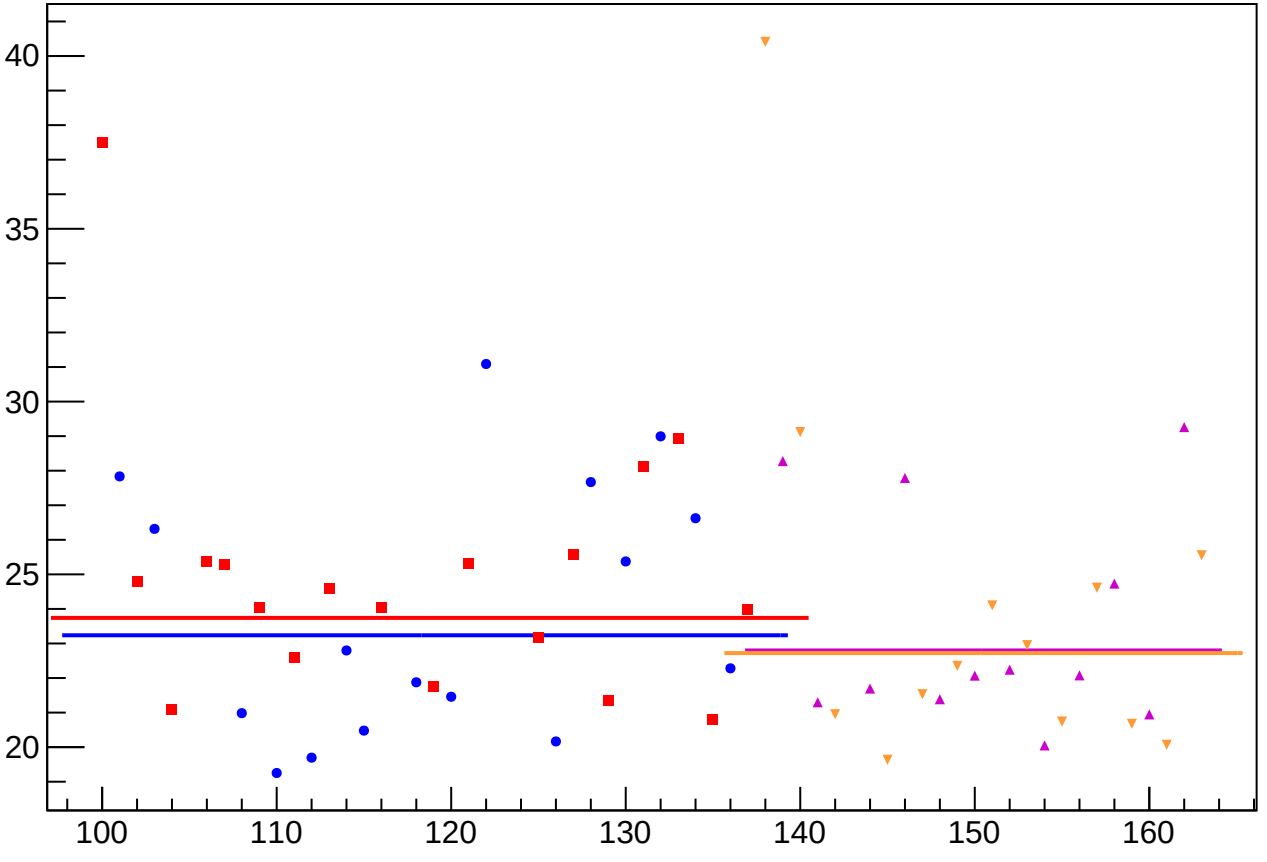
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.001+/-0.006 χ^2/NDF:22.8/27

Out: -0.001+/-0.006 χ^2/NDF:19.7/30

All: -0.001+/-0.004 χ^2/NDF: 42.4/58

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 22.722+/-0.005 χ^2/NDF:461479.2/12

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

Left In: 22.798+/-0.005 χ^2/NDF:249089.2/11

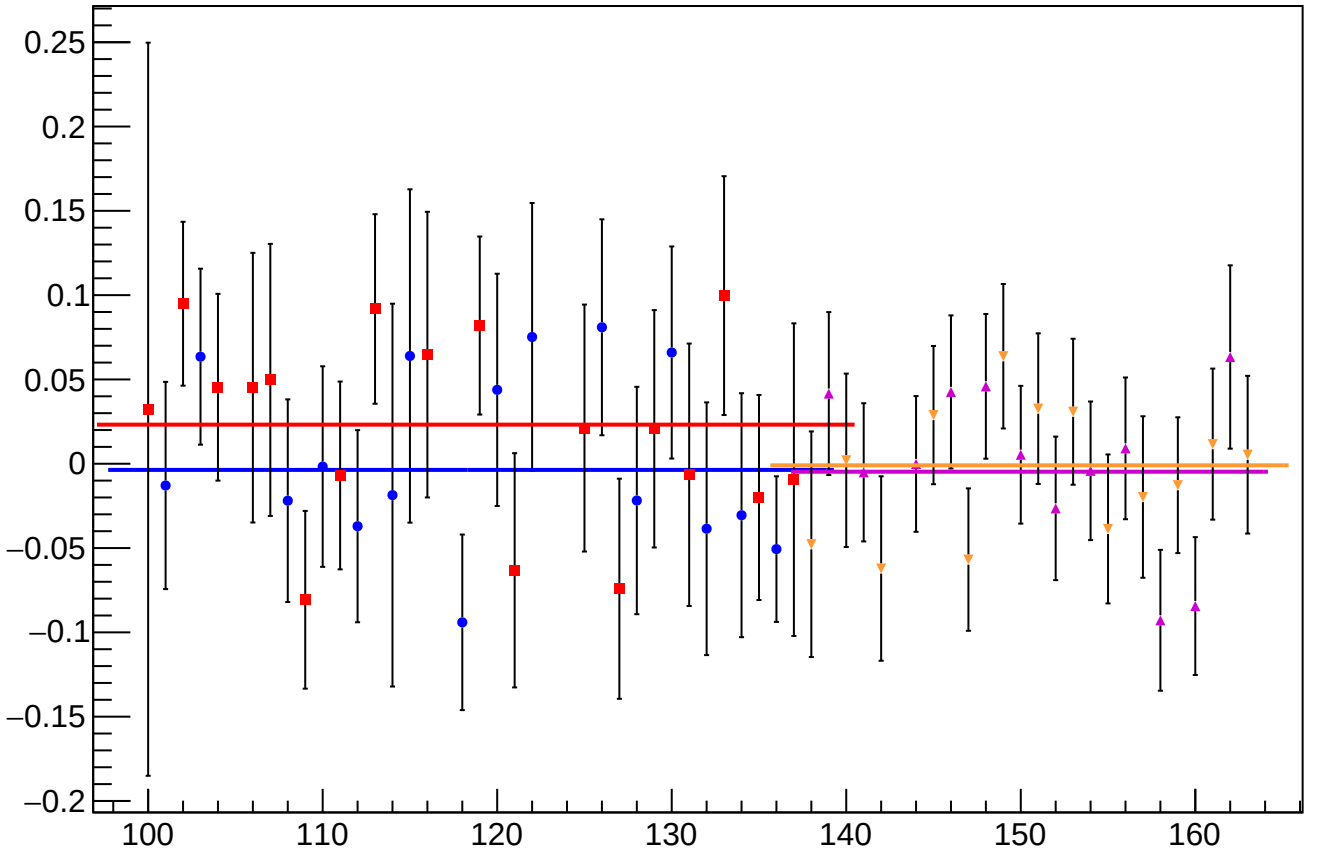
Left: 22.761+/-0.004 χ^2/NDF: 710668.8/24

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

In: 22.974+/-0.004 χ^2/NDF:511012.5/27

Out: 23.132+/-0.004 χ^2/NDF:601901.1/30

All: 23.052+/-0.003 χ^2/NDF: 1113635.9/58



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

Left Out: -0.001+/-0.013 χ^2/NDF:8.5/12

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

Left In: -0.005+/-0.012 χ^2/NDF:13.7/11

Left: -0.003+/-0.009 χ^2/NDF: 22.2/24

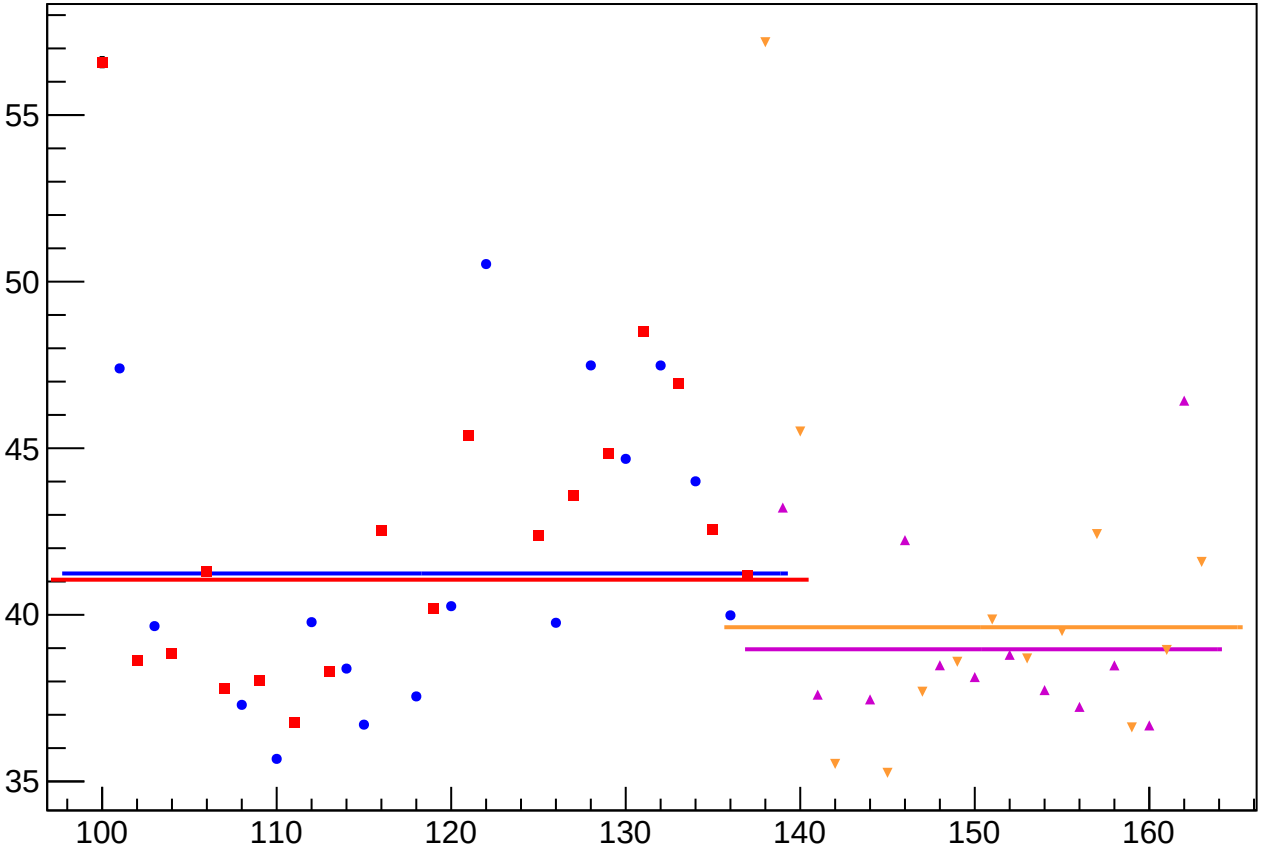
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.010 χ^2/NDF:25.3/27

Out: 0.009+/-0.010 χ^2/NDF:25.3/30

All: 0.002+/-0.007 χ^2/NDF: 51.5/58

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.628+/-0.009 χ^2/NDF:226104.0/12

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

Left In: 38.966+/-0.009 χ^2/NDF:81381.1/11

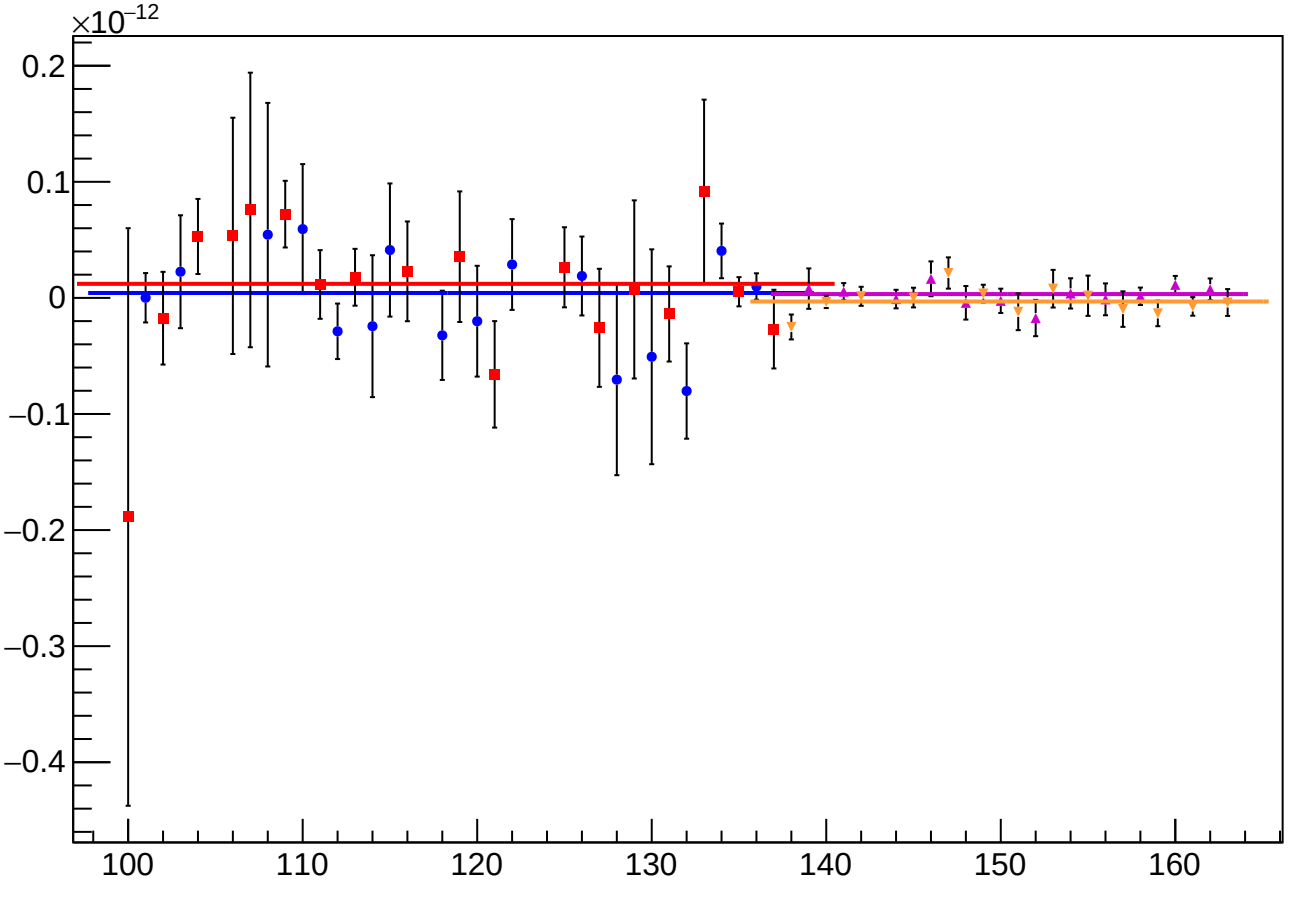
Left: 39.289+/-0.006 χ^2/NDF: 310259.2/24

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

In: 39.839+/-0.007 χ^2/NDF:242406.8/27

Out: 40.201+/-0.007 χ^2/NDF:332781.2/30

All: 40.019+/-0.005 χ^2/NDF: 576555.5/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/12

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

Left In: 0.000+/-0.000 χ^2/NDF:5.0/11

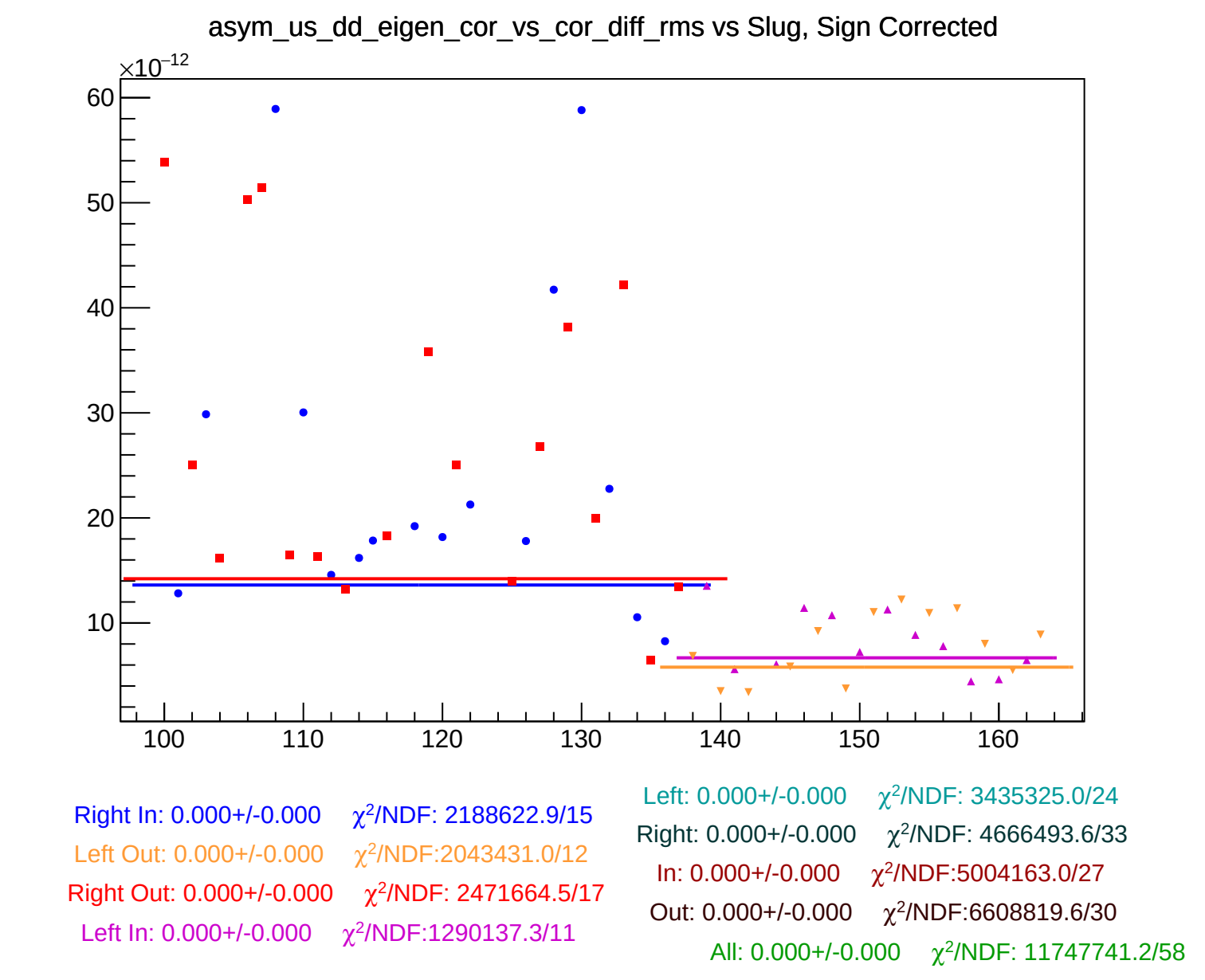
Left: -0.000+/-0.000 χ^2/NDF: 18.6/24

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

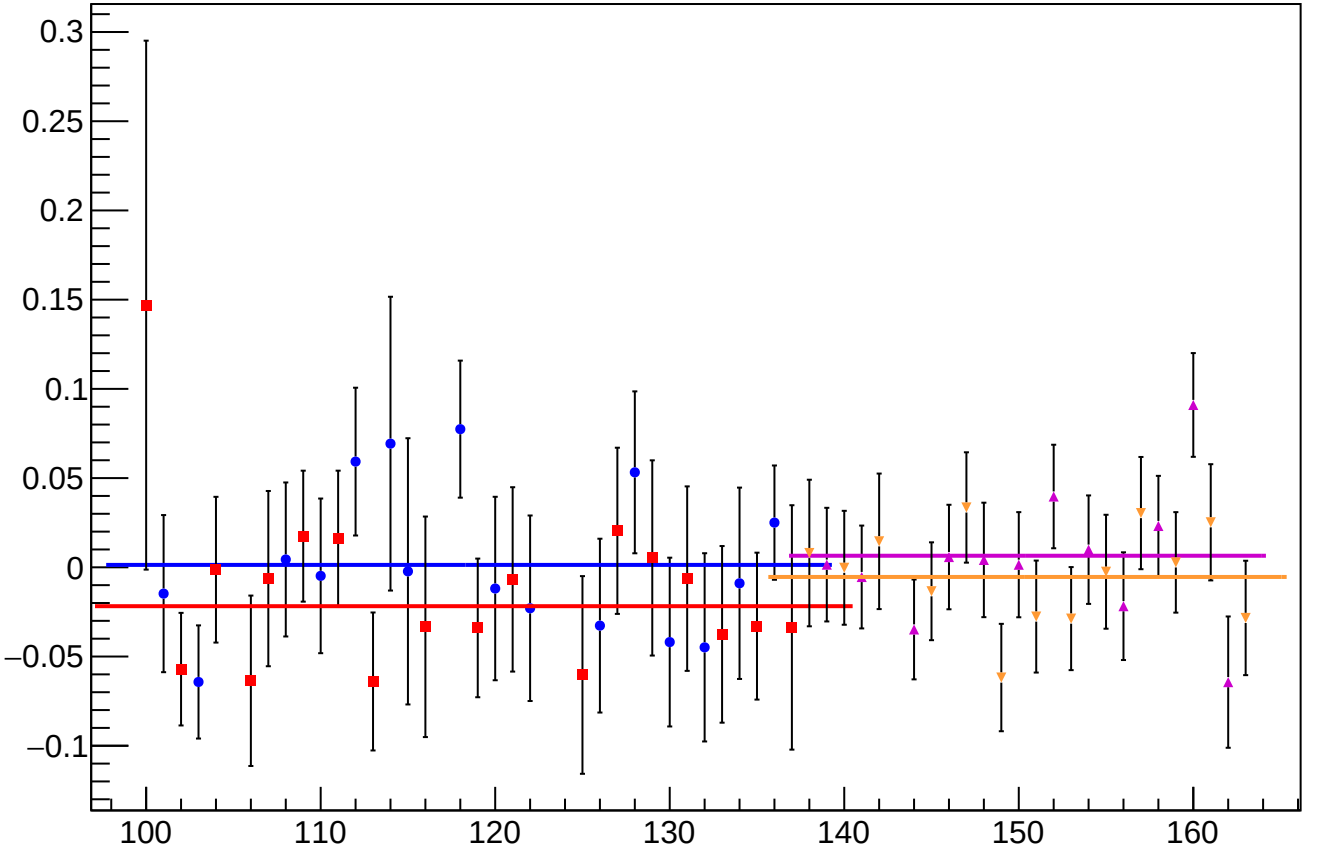
In: 0.000+/-0.000 χ^2/NDF:18.6/27

Out: -0.000+/-0.000 χ^2/NDF:28.9/30

All: 0.000+/-0.000 χ^2/NDF: 49.4/58


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2043431.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1290137.3/11
Left: 0.000+/-0.000 χ²/NDF: 3435325.0/24
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5004163.0/27
Out: 0.000+/-0.000 χ²/NDF:6608819.6/30
All: 0.000+/-0.000 χ²/NDF: 11747741.2/58

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-0.009 χ^2/NDF:9.5/12

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

Left In: 0.006+/-0.009 χ^2/NDF:17.1/11

Left: 0.001+/-0.006 χ^2/NDF: 27.6/24

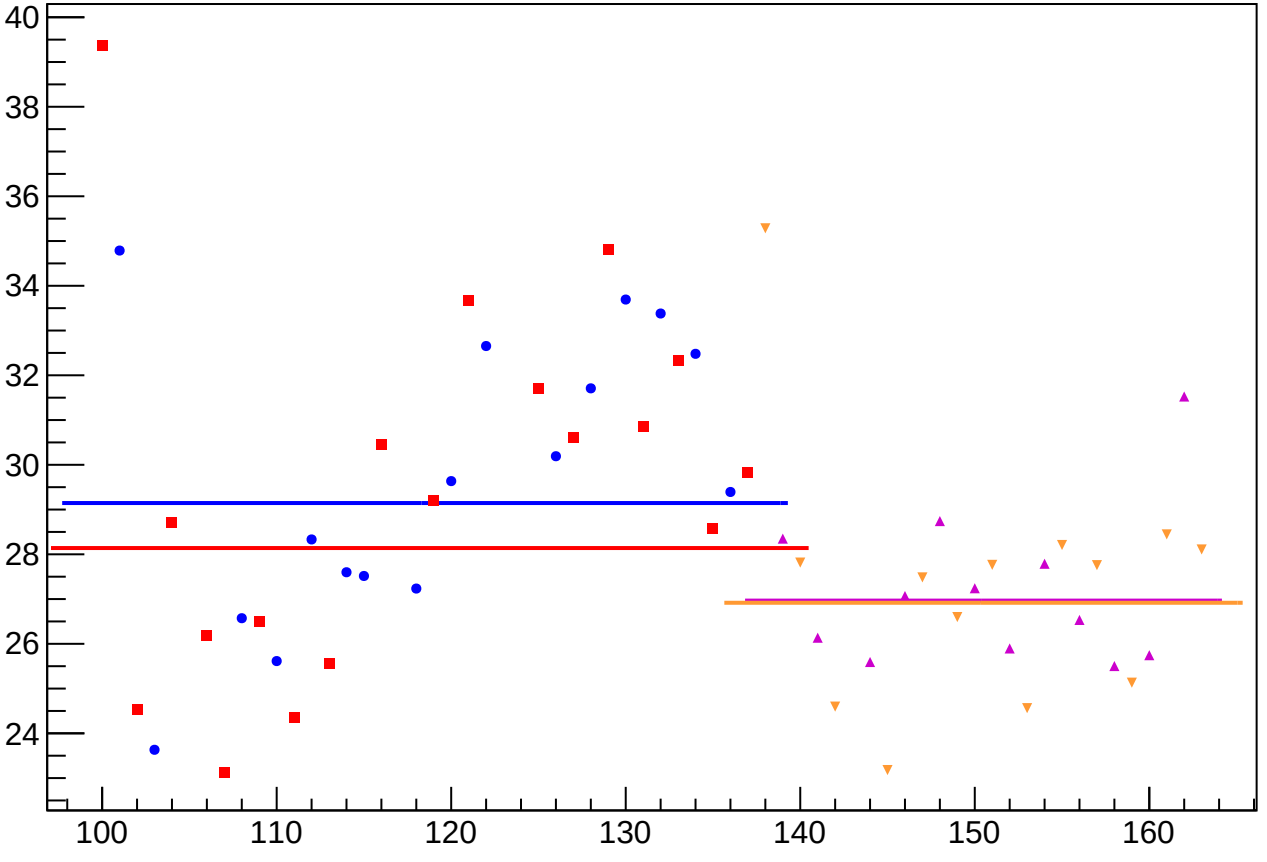
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.007 χ^2/NDF:32.5/27

Out: -0.012+/-0.007 χ^2/NDF:20.0/30

All: -0.004+/-0.005 χ^2/NDF: 55.4/58

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.917+/-0.006 χ^2/NDF:164780.7/12

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

Left In: 26.966+/-0.006 χ^2/NDF:60845.9/11

Left: 26.942+/-0.004 χ^2/NDF: 225657.2/24

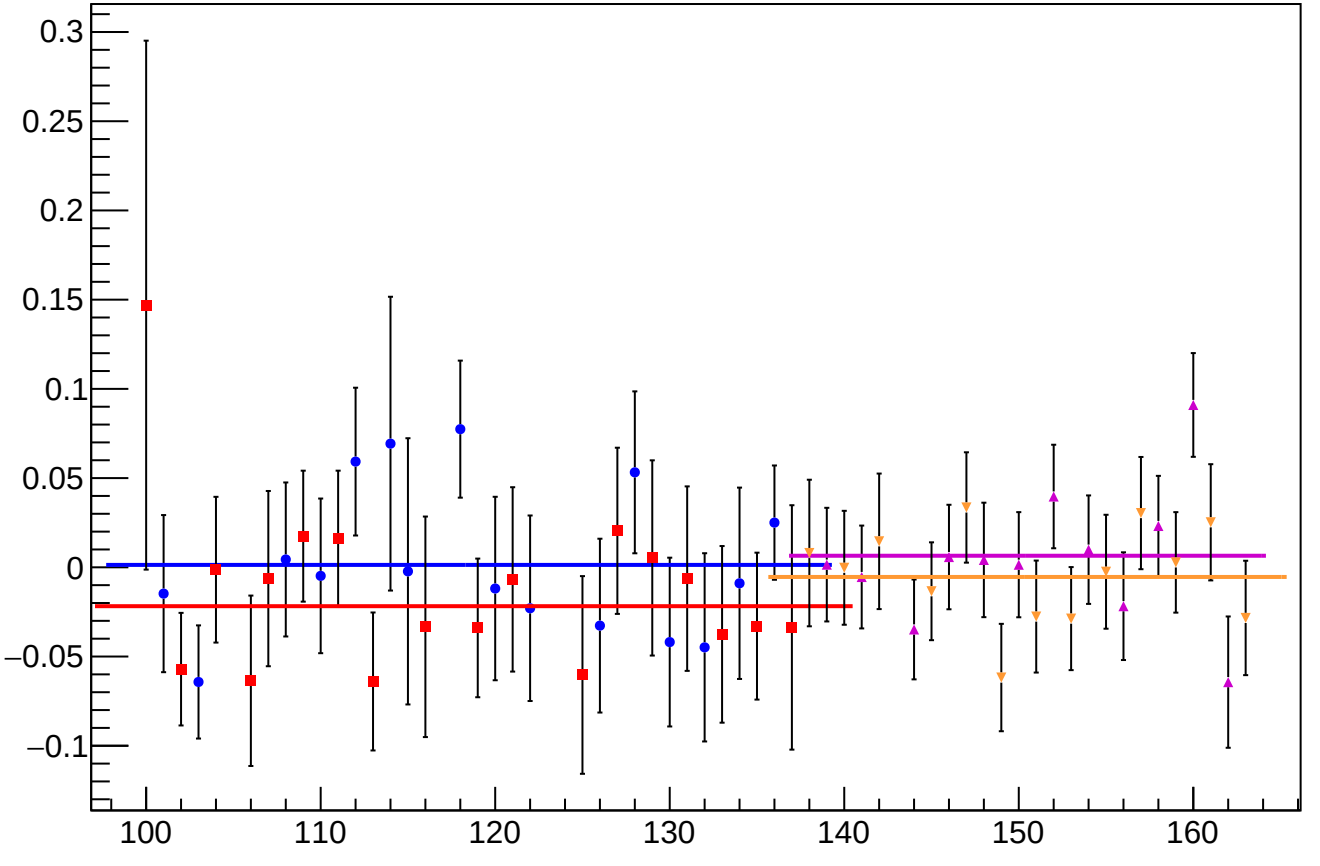
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.781+/-0.005 χ^2/NDF:285069.5/27

Out: 27.401+/-0.005 χ^2/NDF:367428.9/30

All: 27.589+/-0.003 χ^2/NDF: 655592.2/58

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+/-0.009 χ^2/NDF:9.5/12

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

Left In: 0.006+/-0.009 χ^2/NDF:17.1/11

Left: 0.001+/-0.006 χ^2/NDF: 27.6/24

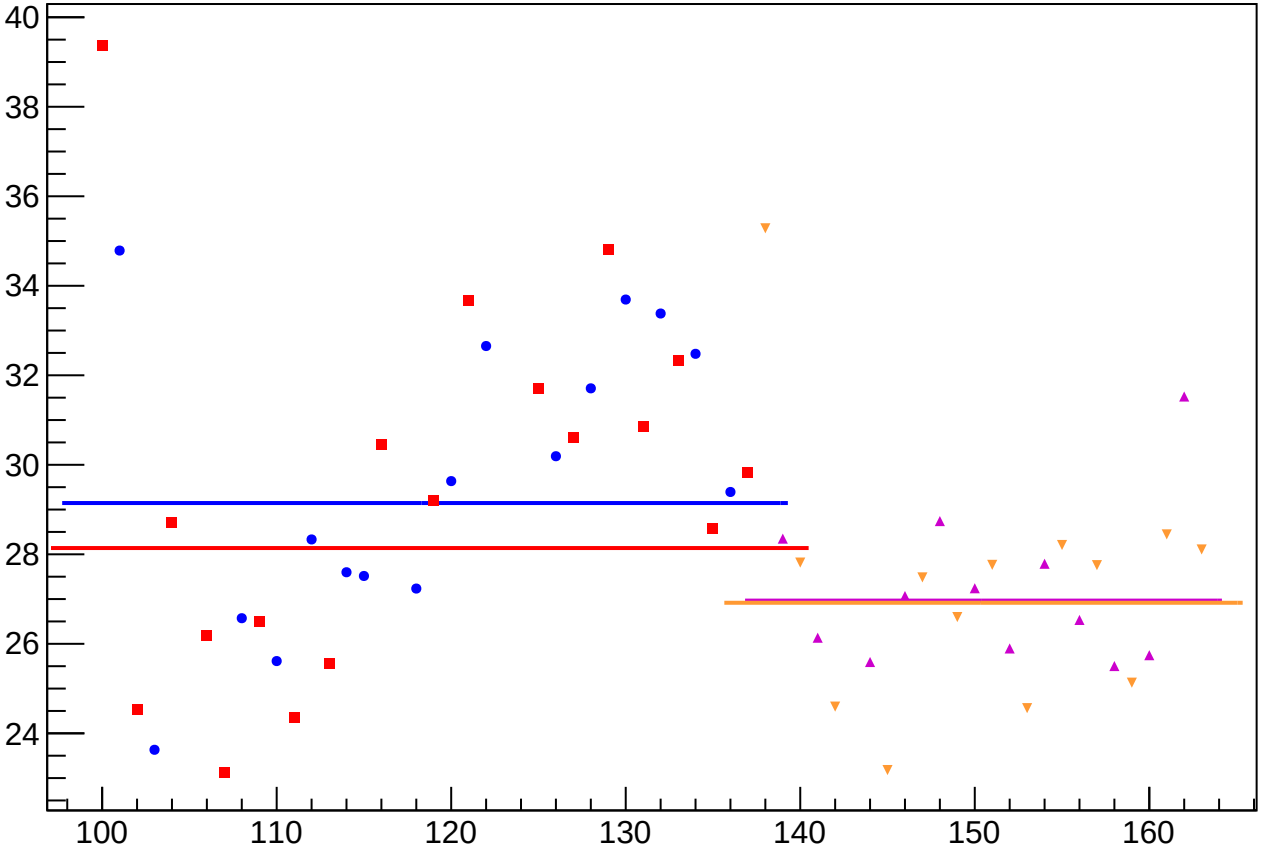
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.007 χ^2/NDF:32.5/27

Out: -0.012+/-0.007 χ^2/NDF:20.0/30

All: -0.004+/-0.005 χ^2/NDF: 55.4/58

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 26.917+/-0.006 χ^2/NDF:164780.7/12

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

Left In: 26.966+/-0.006 χ^2/NDF:60845.9/11

Left: 26.942+/-0.004 χ^2/NDF: 225657.2/24

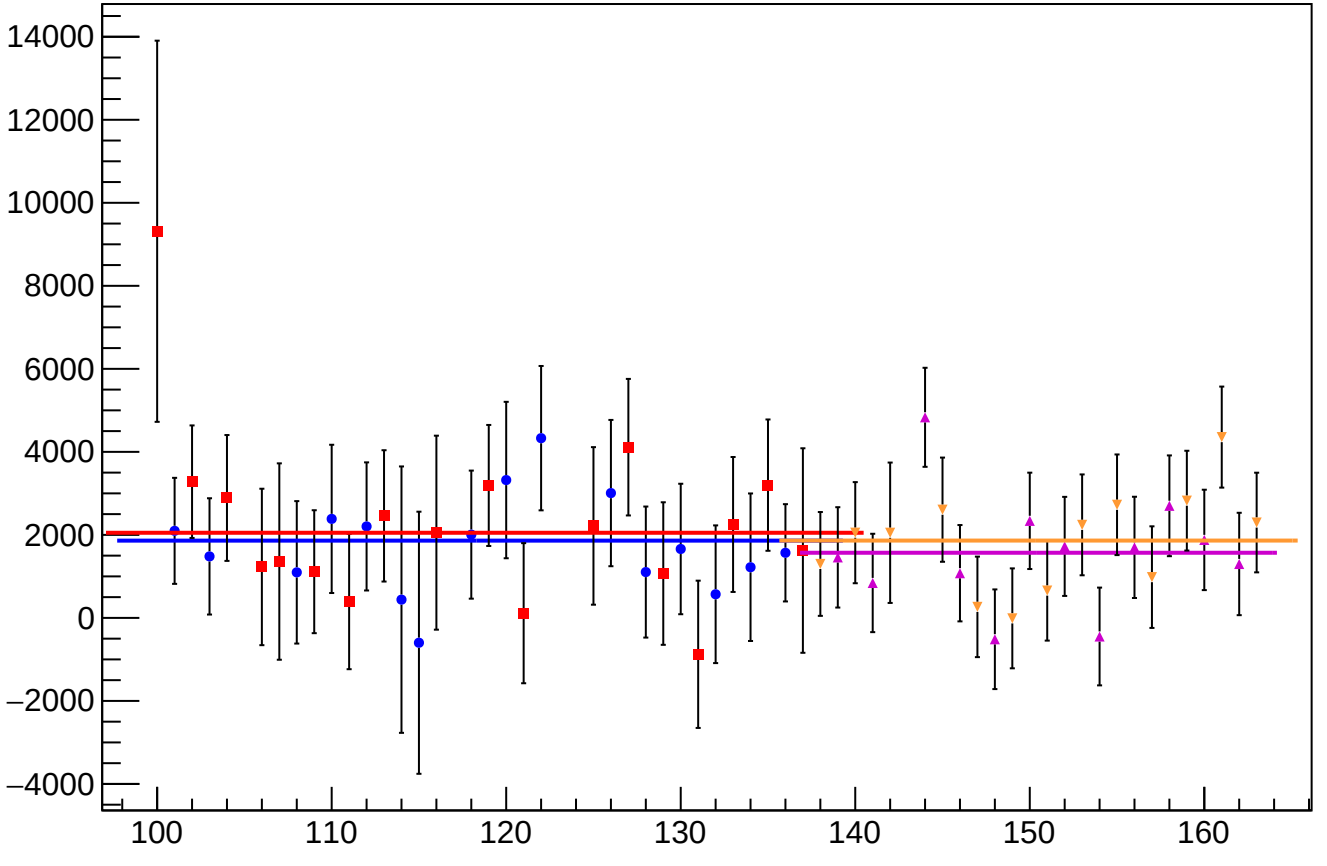
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 27.781+/-0.005 χ^2/NDF:285069.5/27

Out: 27.401+/-0.005 χ^2/NDF:367428.9/30

All: 27.589+/-0.003 χ^2/NDF: 655592.2/58

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

Left In: 1569.347+/-345.162 χ^2/NDF:15.4/11

Left: 1716.668+/-243.692 χ^2/NDF: 27.6/24

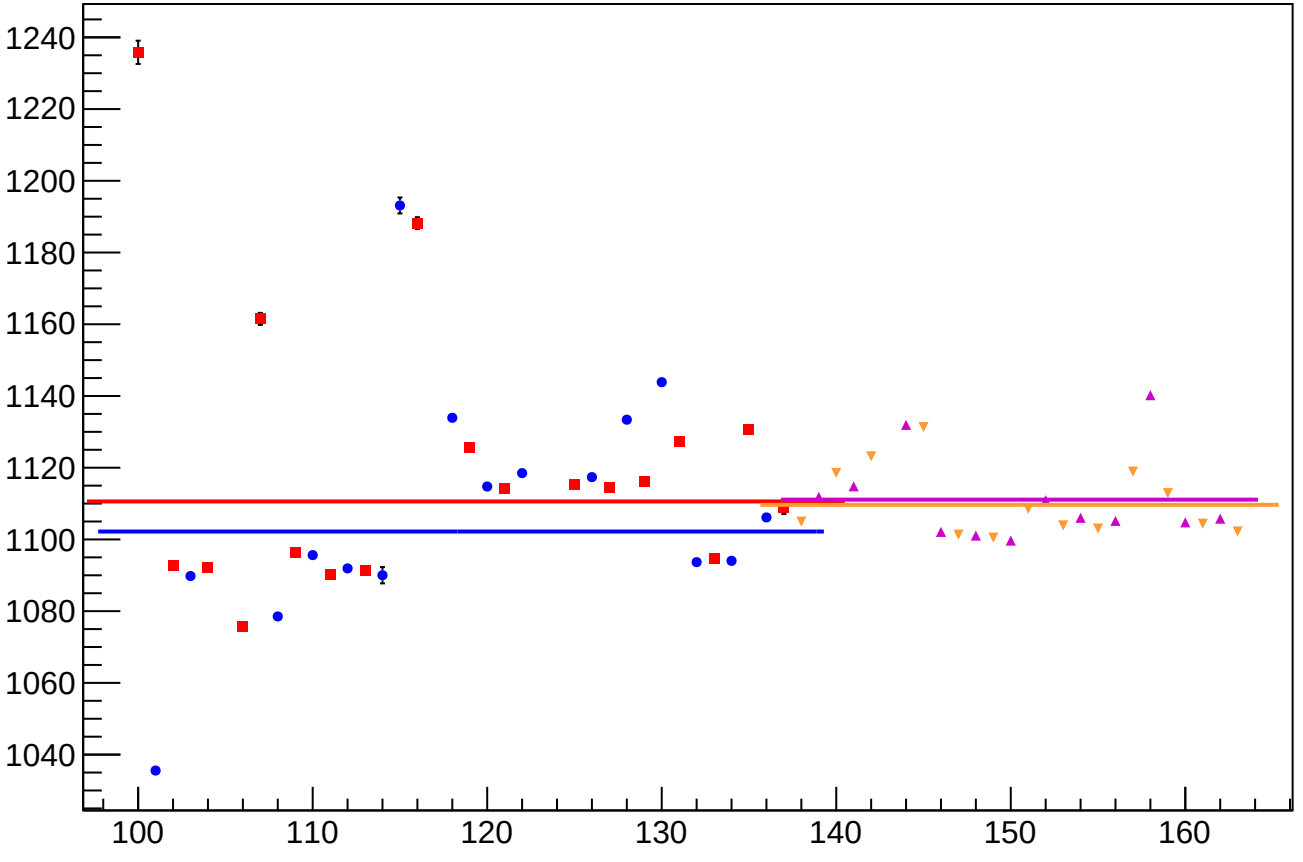
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1690.698+/-263.923 χ^2/NDF:21.1/27

Out: 1940.851+/-263.377 χ^2/NDF:24.5/30

All: 1816.034+/-186.428 χ^2/NDF: 46.0/58

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

Left In: 1111.091+/-0.244 χ^2/NDF:2411.1/11

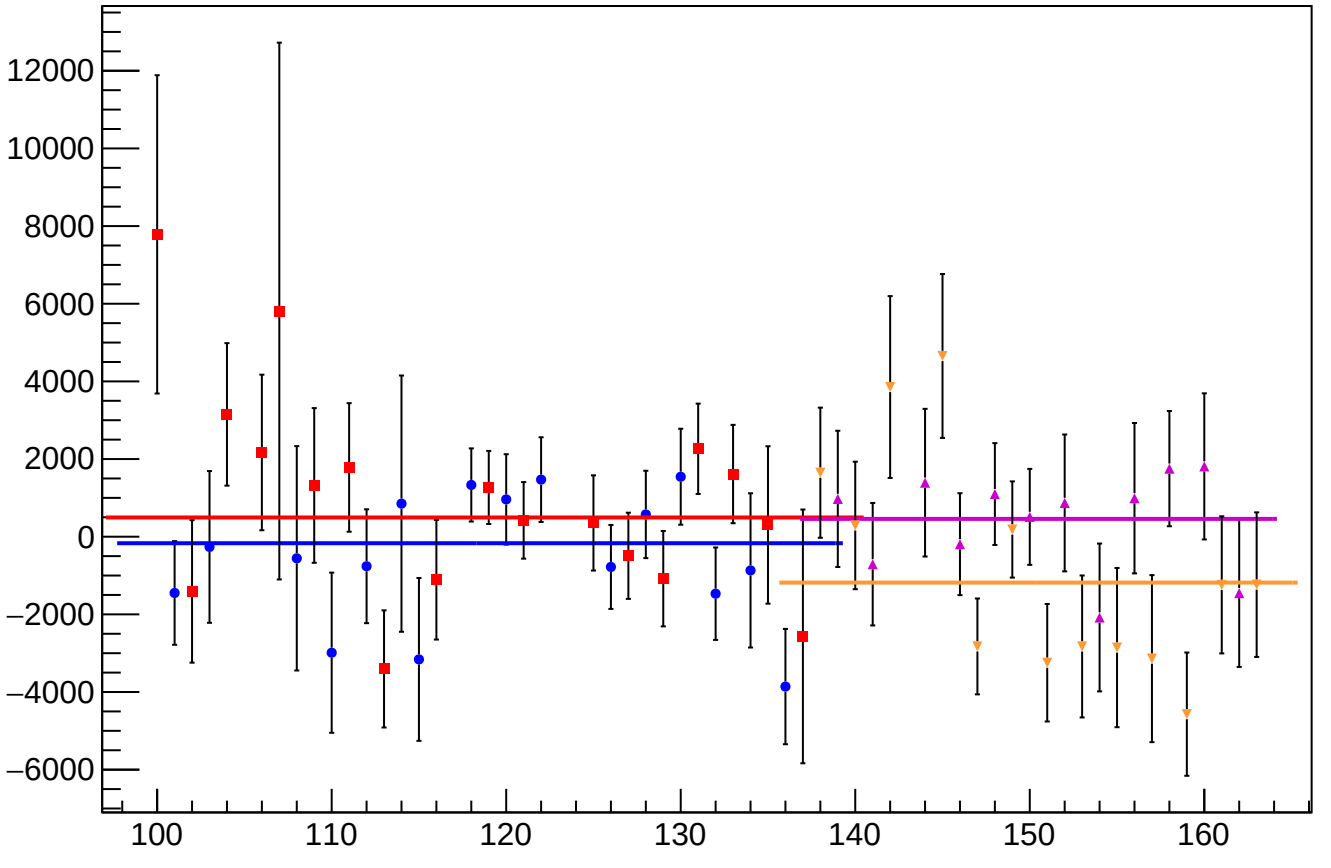
Left: 1110.370+/-0.172 χ^2/NDF: 3846.6/24

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

In: 1107.400+/-0.187 χ^2/NDF:14310.5/27

Out: 1110.043+/-0.186 χ^2/NDF:9120.4/30

All: 1108.724+/-0.132 χ^2/NDF: 23531.3/58



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

Left In: 458.755+/-461.369 χ^2/NDF:5.6/11

Left: -356.120+/-327.295 χ^2/NDF: 39.5/24

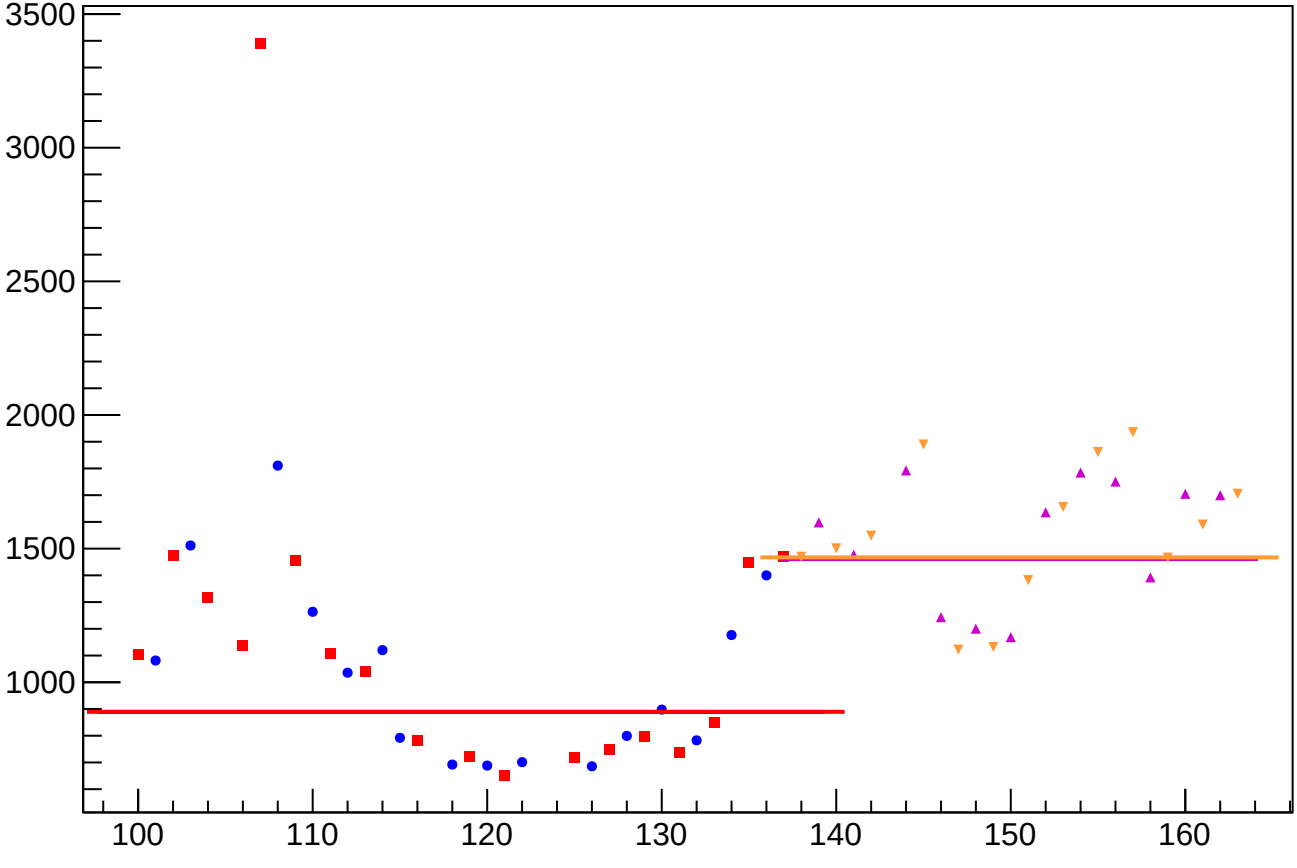
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 57.212+/-276.521 χ^2/NDF:27.7/27

Out: -101.308+/-276.965 χ^2/NDF:59.3/30

All: -21.921+/-195.687 χ^2/NDF: 87.2/58

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

Left In: 1461.192+/-0.326 χ^2/NDF:510486.6/11

Left: 1464.209+/-0.231 χ^2/NDF: 1135254.6/24

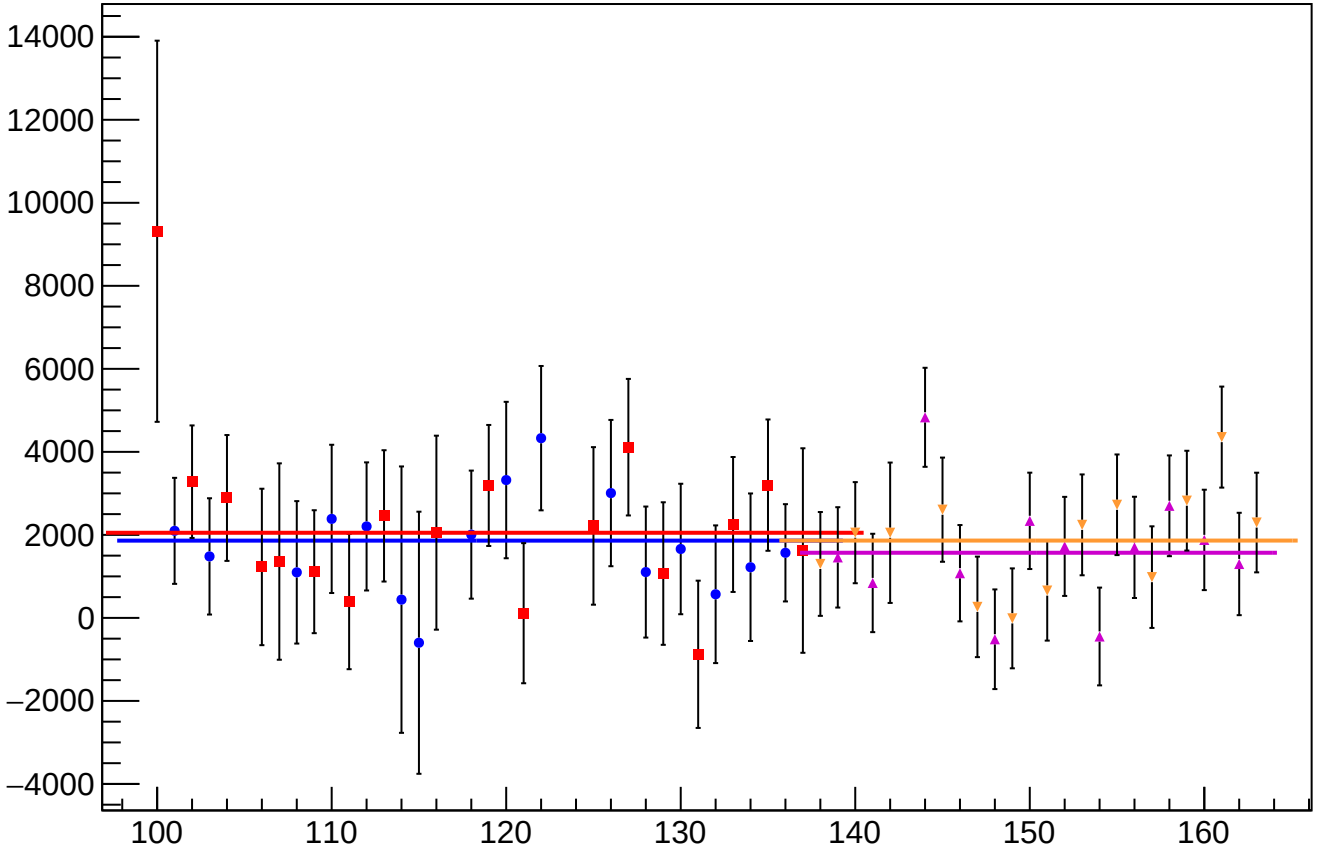
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1094.515+/-0.196 χ^2/NDF:3614734.9/27

Out: 1095.009+/-0.196 χ^2/NDF:3965158.7/30

All: 1094.762+/-0.138 χ^2/NDF: 7579896.8/58

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

Left In: 1569.347+/-345.162 χ^2/NDF:15.4/11

Left: 1716.668+/-243.692 χ^2/NDF: 27.6/24

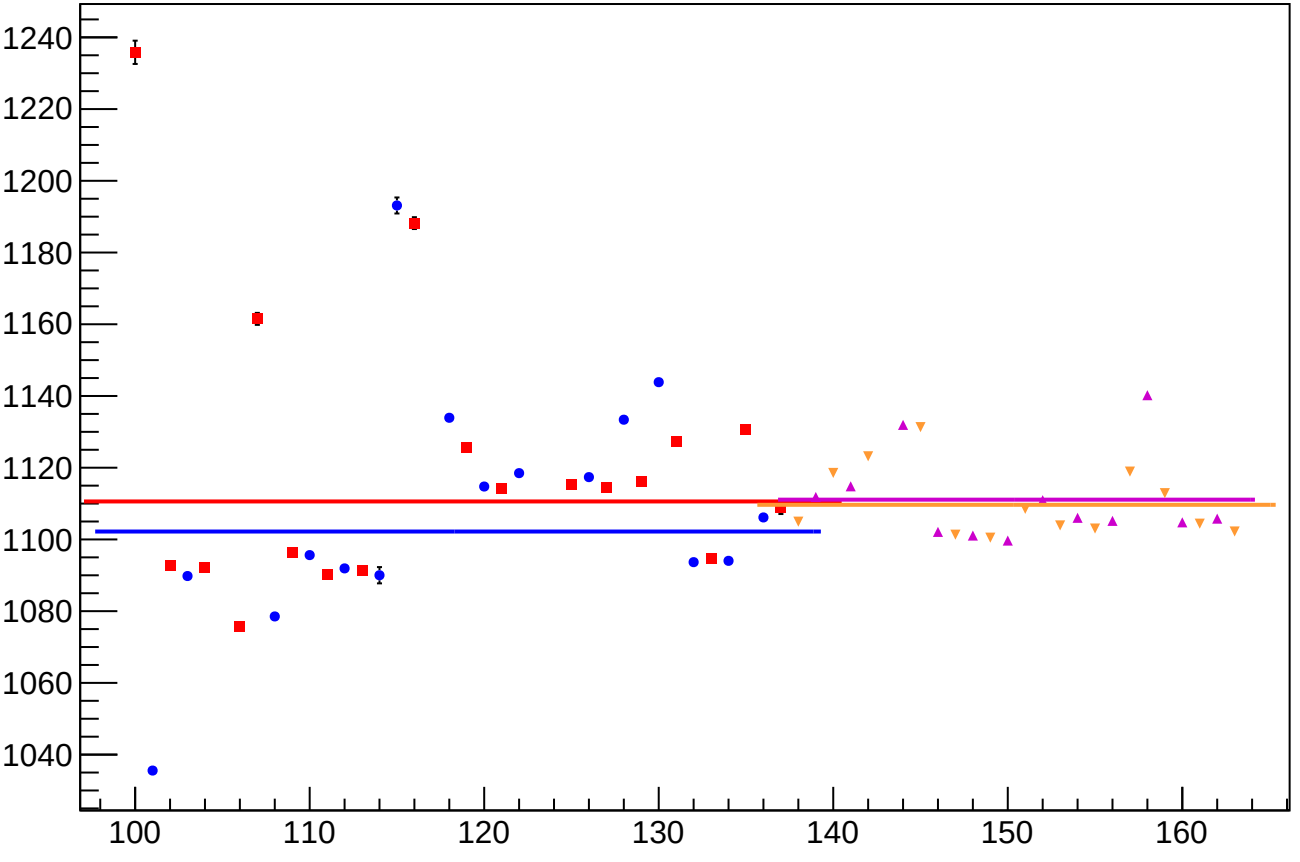
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1690.698+/-263.923 χ^2/NDF:21.1/27

Out: 1940.851+/-263.377 χ^2/NDF:24.5/30

All: 1816.034+/-186.428 χ^2/NDF: 46.0/58

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

Left In: 1111.091+/-0.244 χ^2/NDF:2411.1/11

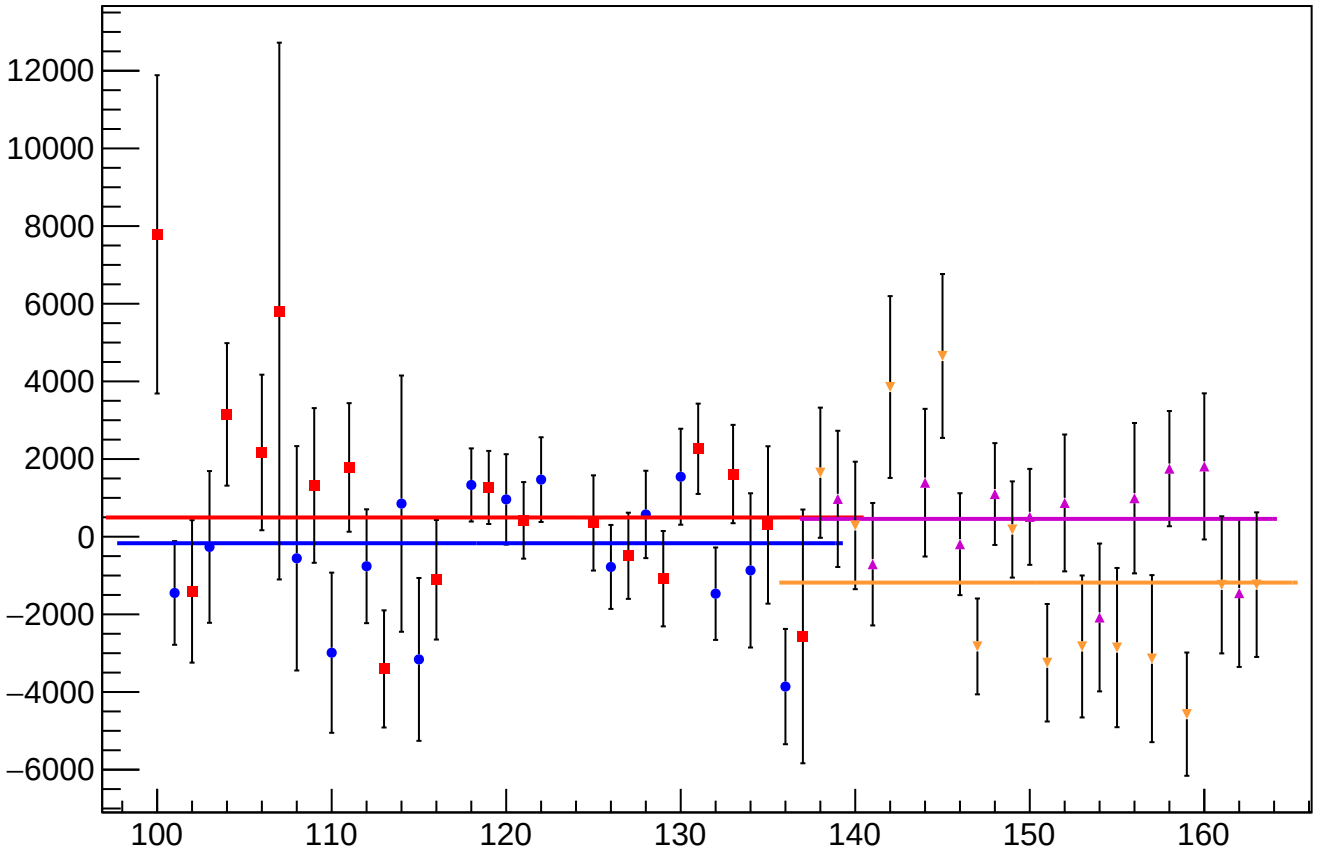
Left: 1110.370+/-0.172 χ^2/NDF: 3846.6/24

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

In: 1107.400+/-0.187 χ^2/NDF:14310.5/27

Out: 1110.043+/-0.186 χ^2/NDF:9120.4/30

All: 1108.724+/-0.132 χ^2/NDF: 23531.3/58



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

Left In: 458.755+/-461.369 χ^2/NDF:5.6/11

Left: -356.120+/-327.295 χ^2/NDF: 39.5/24

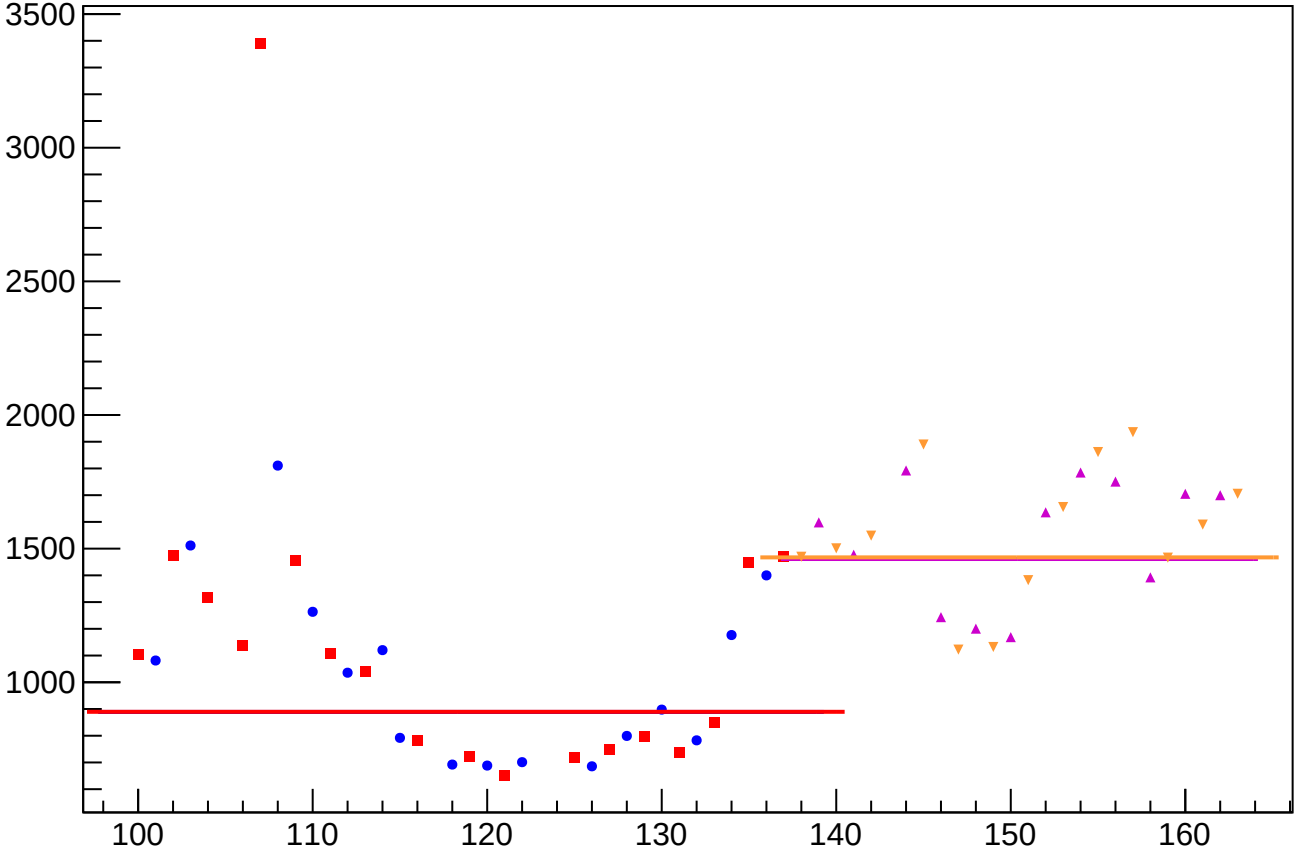
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 57.212+/-276.521 χ^2/NDF:27.7/27

Out: -101.308+/-276.965 χ^2/NDF:59.3/30

All: -21.921+/-195.687 χ^2/NDF: 87.2/58

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

Left In: 1461.192+/-0.326 χ^2/NDF:510486.6/11

Left: 1464.209+/-0.231 χ^2/NDF: 1135254.6/24

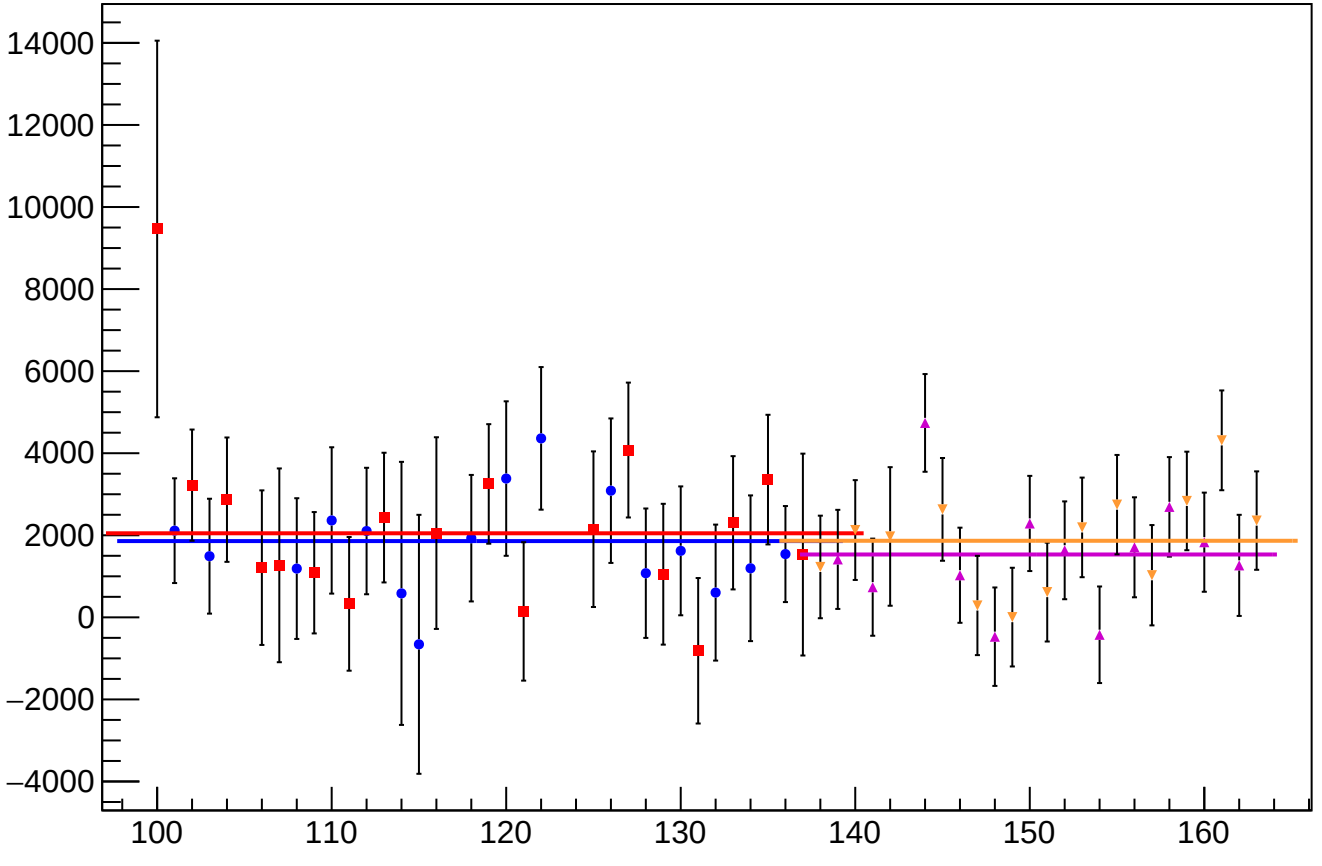
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1094.515+/-0.196 χ^2/NDF:3614734.9/27

Out: 1095.009+/-0.196 χ^2/NDF:3965158.7/30

All: 1094.762+/-0.138 χ^2/NDF: 7579896.8/58

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1866.021+/-343.750 χ^2/NDF:11.8/12

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

Left In: 1532.115+/-344.809 χ^2/NDF:14.9/11

Left: 1699.582+/-243.442 χ^2/NDF: 27.2/24

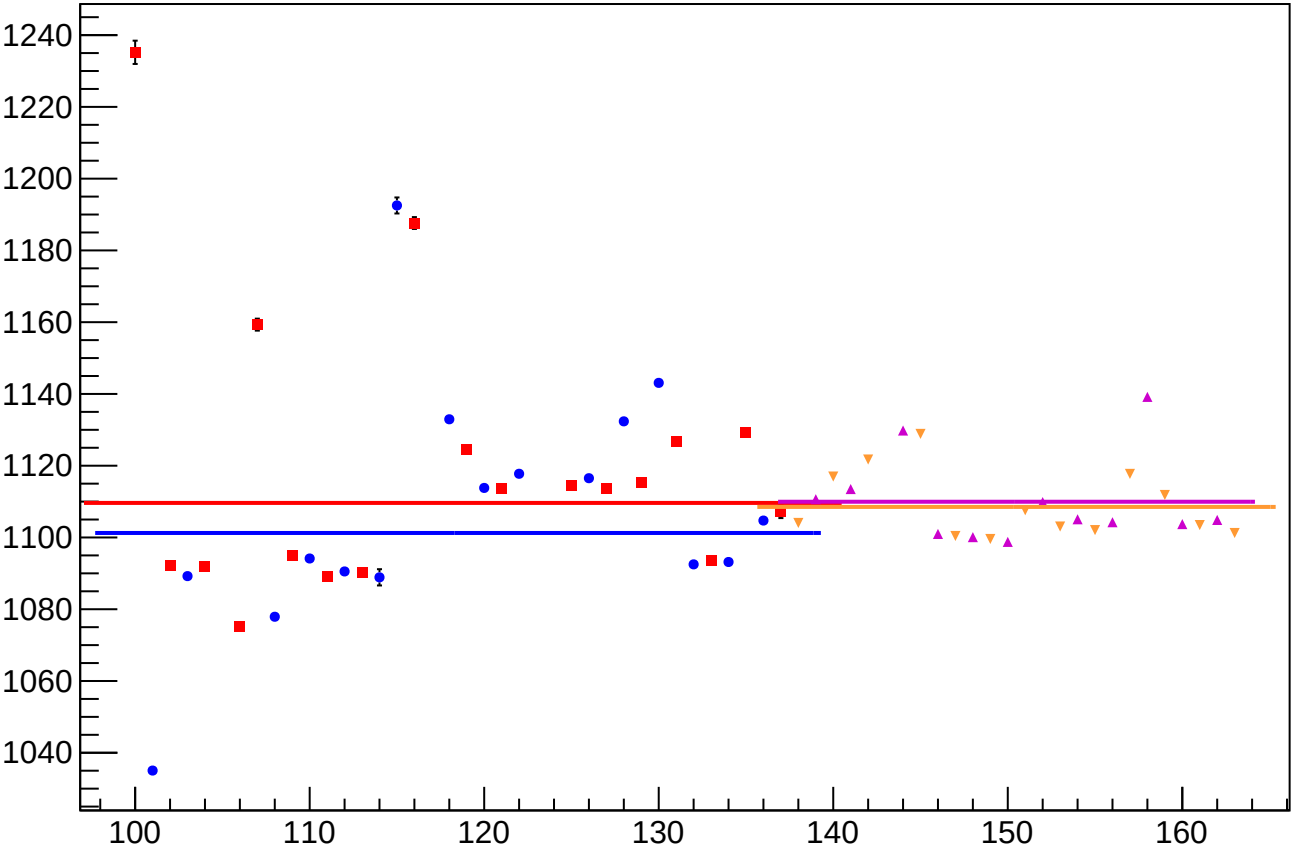
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1667.724+/-263.671 χ^2/NDF:20.7/27

Out: 1941.656+/-263.123 χ^2/NDF:24.7/30

All: 1804.975+/-186.249 χ^2/NDF: 45.9/58

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.513+/-0.243 χ^2/NDF:1308.3/12

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

Left In: 1109.958+/-0.244 χ^2/NDF:2342.5/11

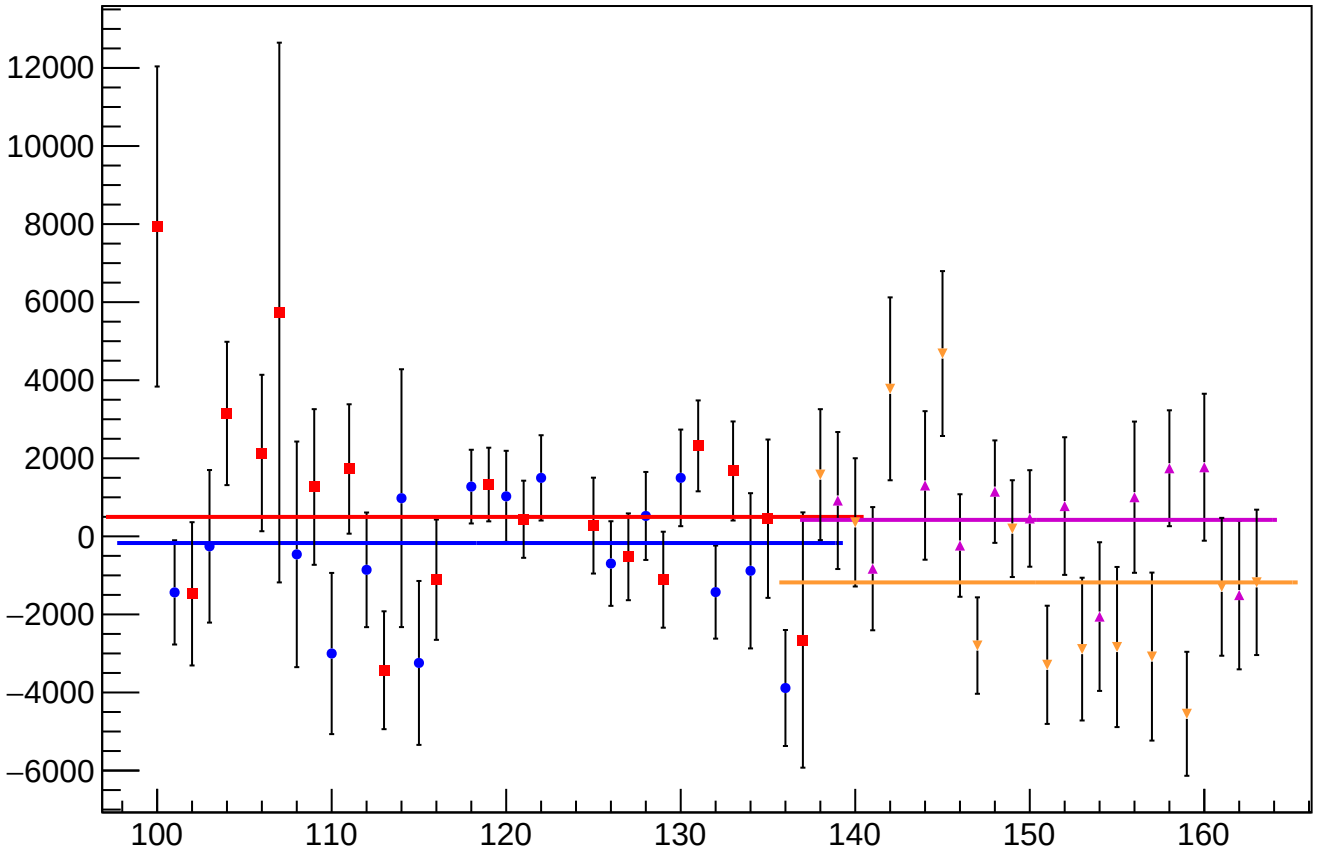
Left: 1109.233+/-0.172 χ^2/NDF: 3668.4/24

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

In: 1106.344+/-0.186 χ^2/NDF:14179.9/27

Out: 1108.975+/-0.186 χ^2/NDF:8990.1/30

All: 1107.662+/-0.132 χ^2/NDF: 23269.8/58



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

Left Out: -1180.071+/-464.653 χ^2/NDF:27.5/12

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

Left In: 422.099+/-461.647 χ^2/NDF:5.6/11

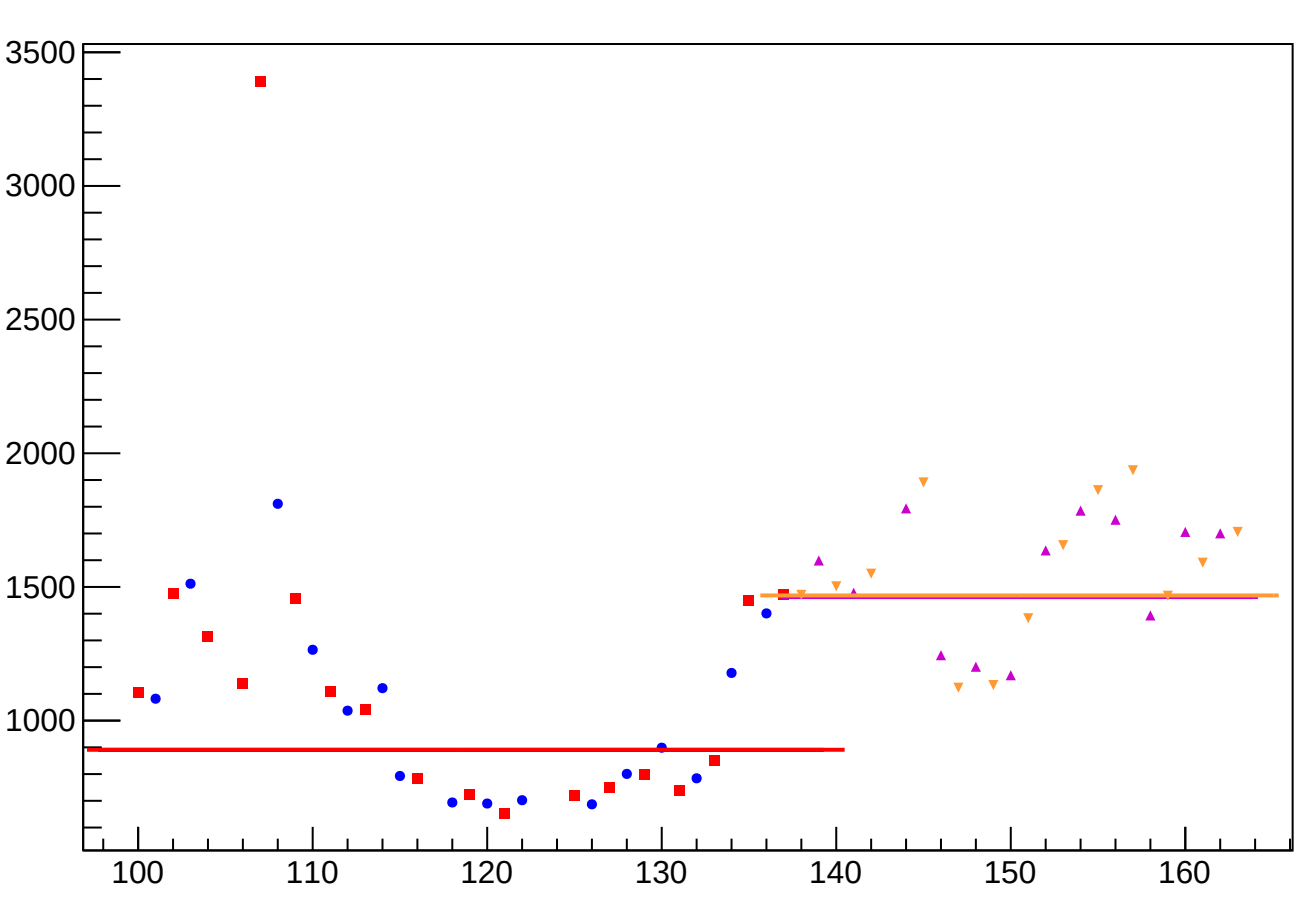
Left: -373.787+/-327.491 χ^2/NDF: 39.1/24

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

In: 42.359+/-276.858 χ^2/NDF:27.6/27

Out: -99.633+/-277.288 χ^2/NDF:59.8/30

All: -28.527+/-195.920 χ^2/NDF: 87.5/58



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

Left Out: 1468.186+/-0.329 χ^2/NDF:623631.4/12

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

Left In: 1462.109+/-0.326 χ^2/NDF:509658.1/11

Left: 1465.128+/-0.232 χ^2/NDF: 1133461.7/24

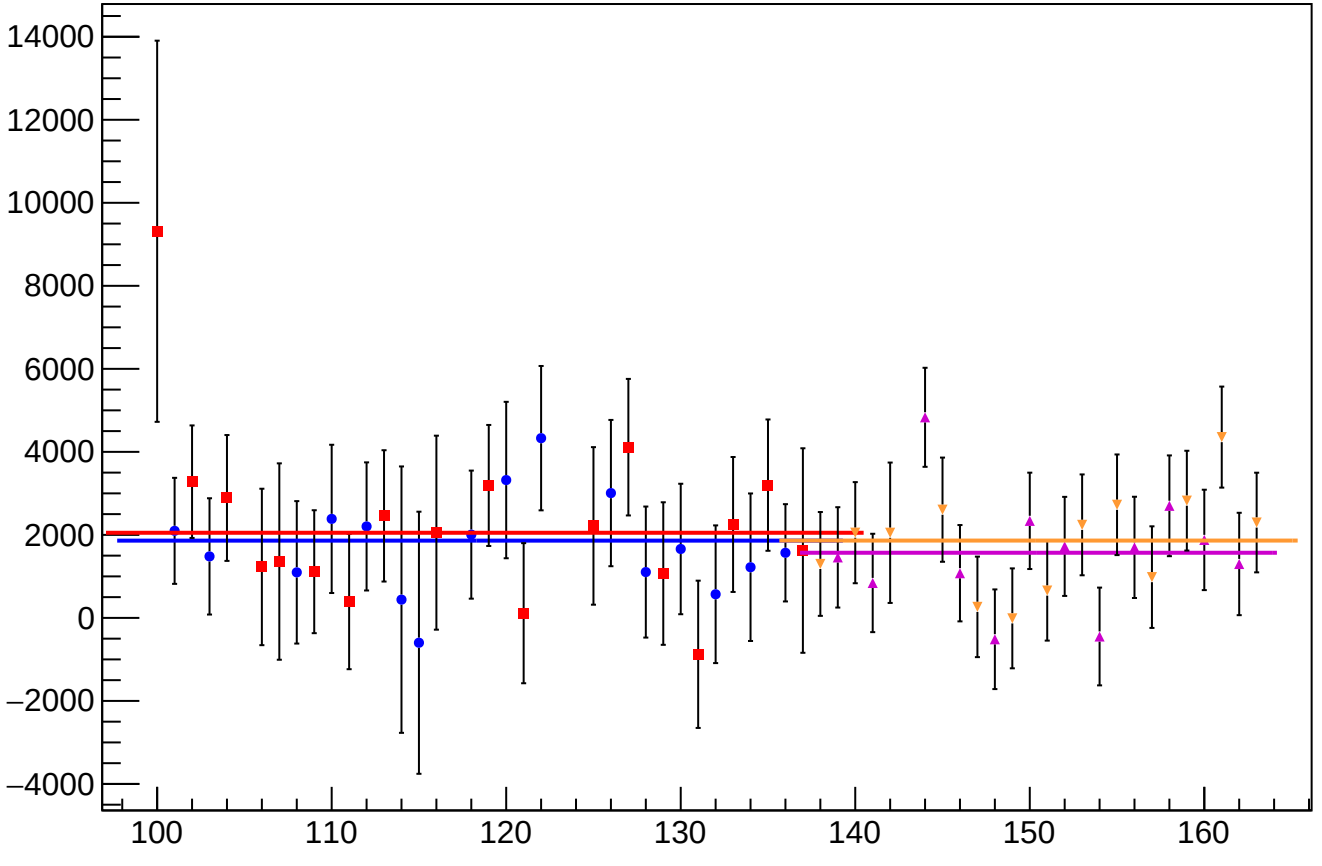
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1096.082+/-0.196 χ^2/NDF:3601875.1/27

Out: 1096.511+/-0.196 χ^2/NDF:3952894.3/30

All: 1096.296+/-0.139 χ^2/NDF: 7554771.8/58

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1863.090+/-344.107 χ^2/NDF:11.8/12

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

Left In: 1569.347+/-345.162 χ^2/NDF:15.4/11

Left: 1716.668+/-243.692 χ^2/NDF: 27.6/24

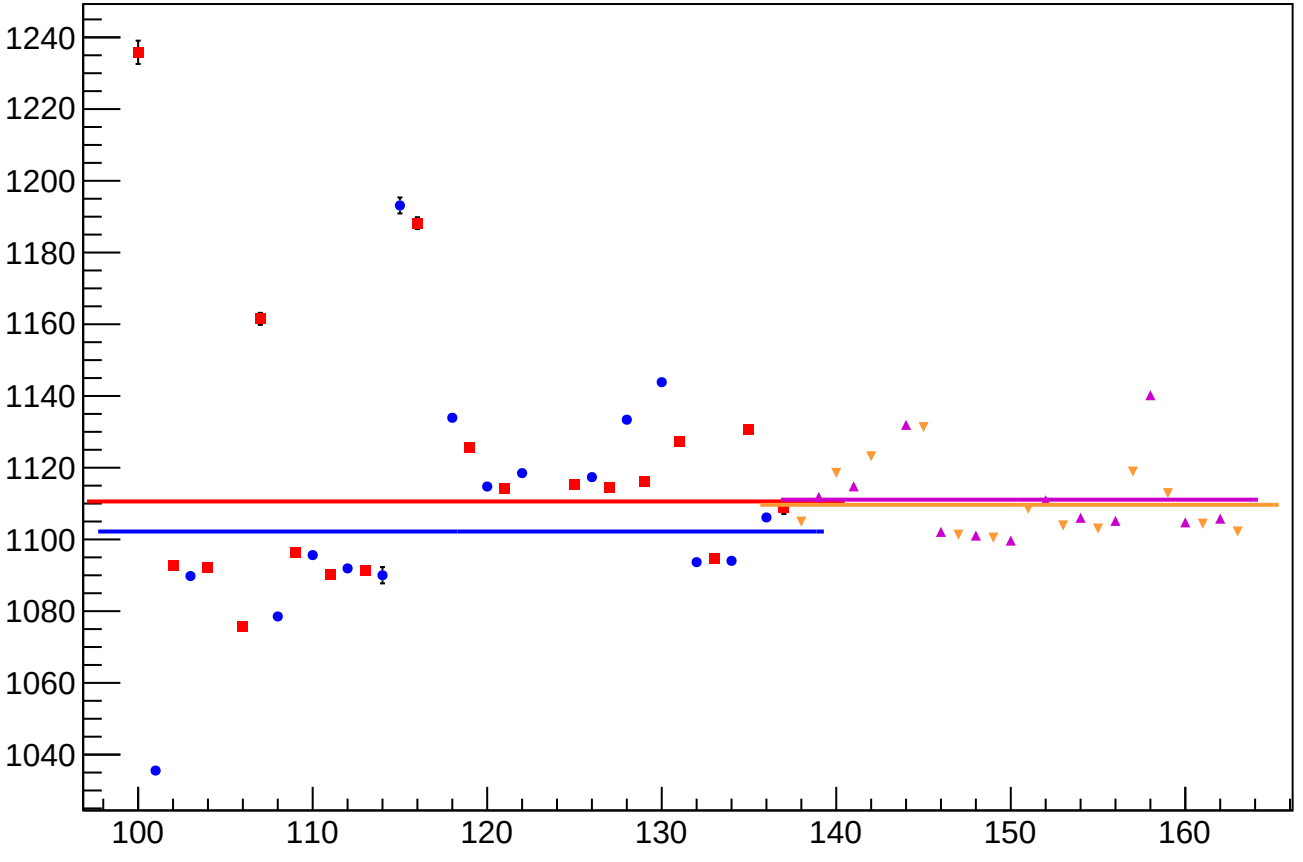
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1690.698+/-263.923 χ^2/NDF:21.1/27

Out: 1940.851+/-263.377 χ^2/NDF:24.5/30

All: 1816.034+/-186.428 χ^2/NDF: 46.0/58

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.655+/-0.243 χ^2/NDF:1418.2/12

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

Left In: 1111.091+/-0.244 χ^2/NDF:2411.1/11

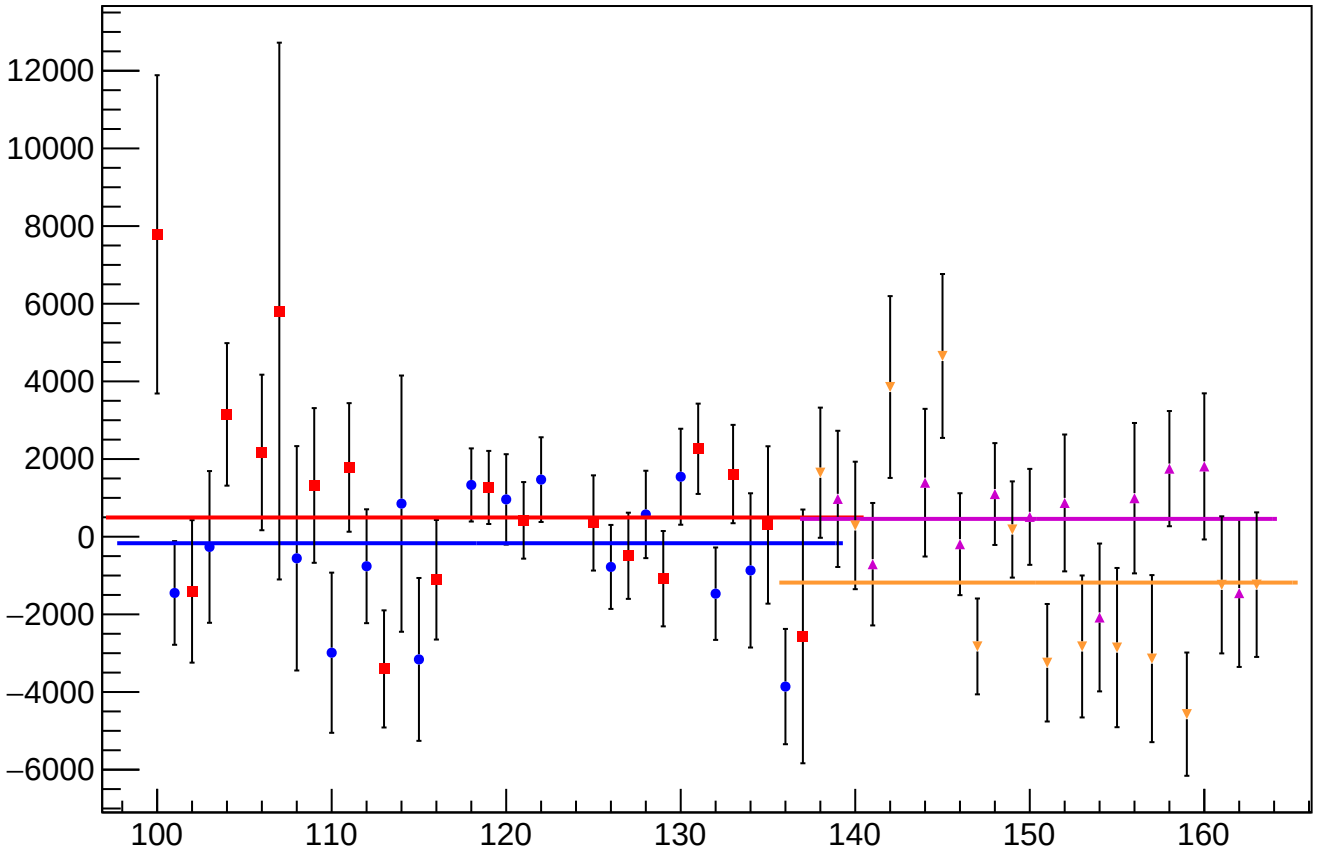
Left: 1110.370+/-0.172 χ^2/NDF: 3846.6/24

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

In: 1107.400+/-0.187 χ^2/NDF:14310.5/27

Out: 1110.043+/-0.186 χ^2/NDF:9120.4/30

All: 1108.724+/-0.132 χ^2/NDF: 23531.3/58



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

Left Out: -1181.648+/-464.376 χ^2/NDF:27.6/12

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

Left In: 458.755+/-461.369 χ^2/NDF:5.6/11

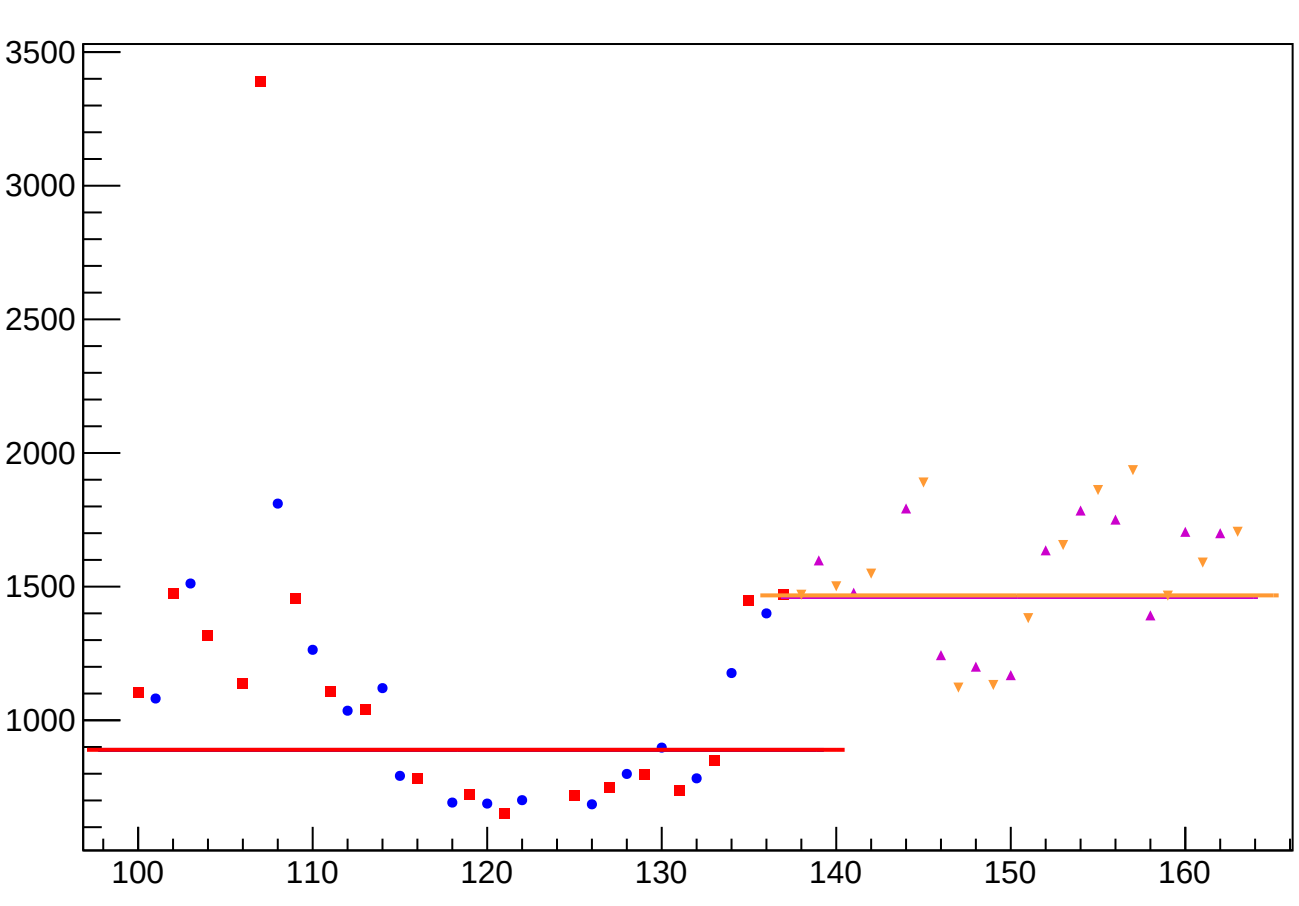
Left: -356.120+/-327.295 χ^2/NDF: 39.5/24

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

In: 57.212+/-276.521 χ^2/NDF:27.7/27

Out: -101.308+/-276.965 χ^2/NDF:59.3/30

All: -21.921+/-195.687 χ^2/NDF: 87.2/58



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

Left Out: 1467.266+/-0.328 χ^2/NDF:624595.9/12

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

Left In: 1461.192+/-0.326 χ^2/NDF:510486.6/11

Left: 1464.209+/-0.231 χ^2/NDF: 1135254.6/24

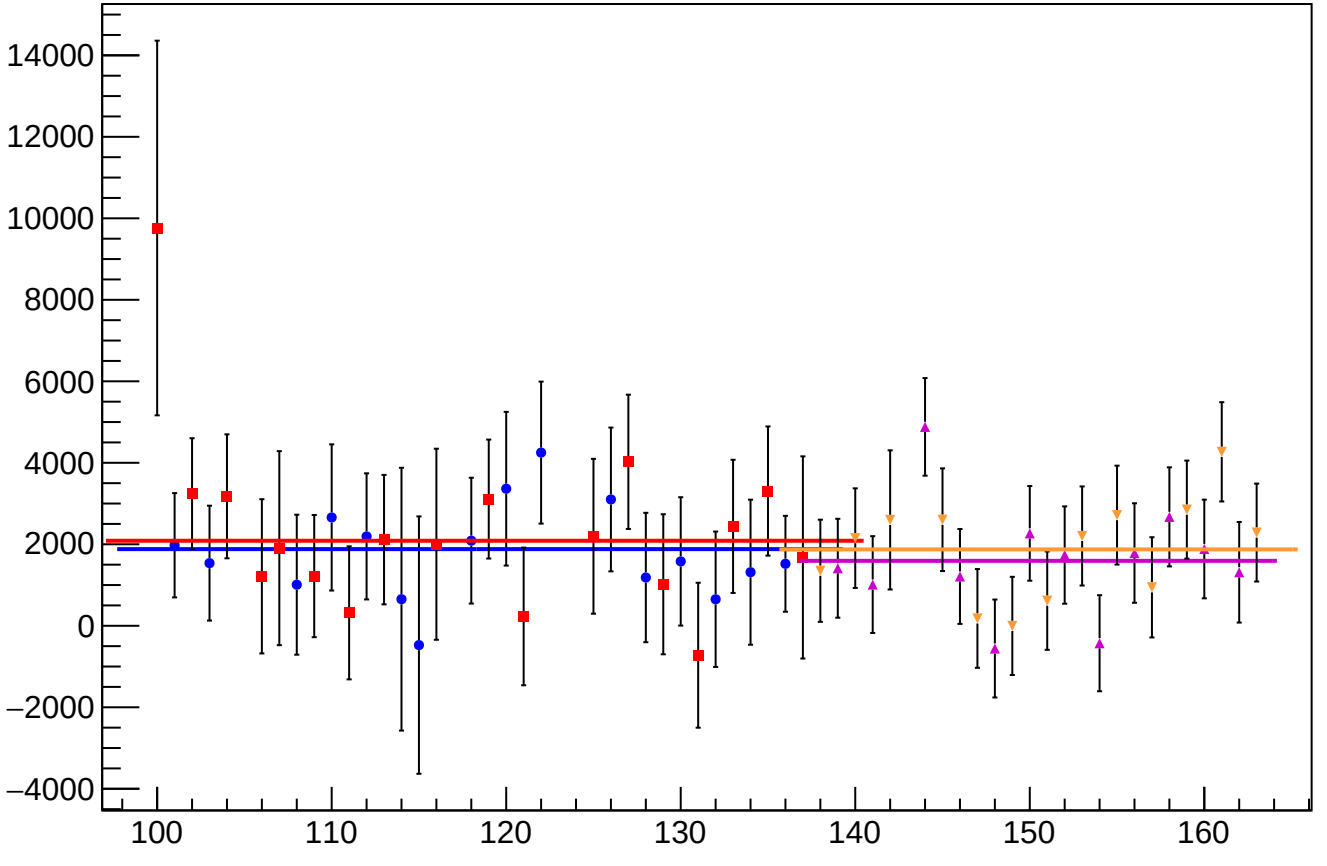
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1094.515+/-0.196 χ^2/NDF:3614734.9/27

Out: 1095.009+/-0.196 χ^2/NDF:3965158.7/30

All: 1094.762+/-0.138 χ^2/NDF: 7579896.8/58

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1874.582+/-344.863 χ^2/NDF:12.0/12

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

Left In: 1593.980+/-345.806 χ^2/NDF:15.3/11

Left: 1734.664+/-244.188 χ^2/NDF: 27.6/24

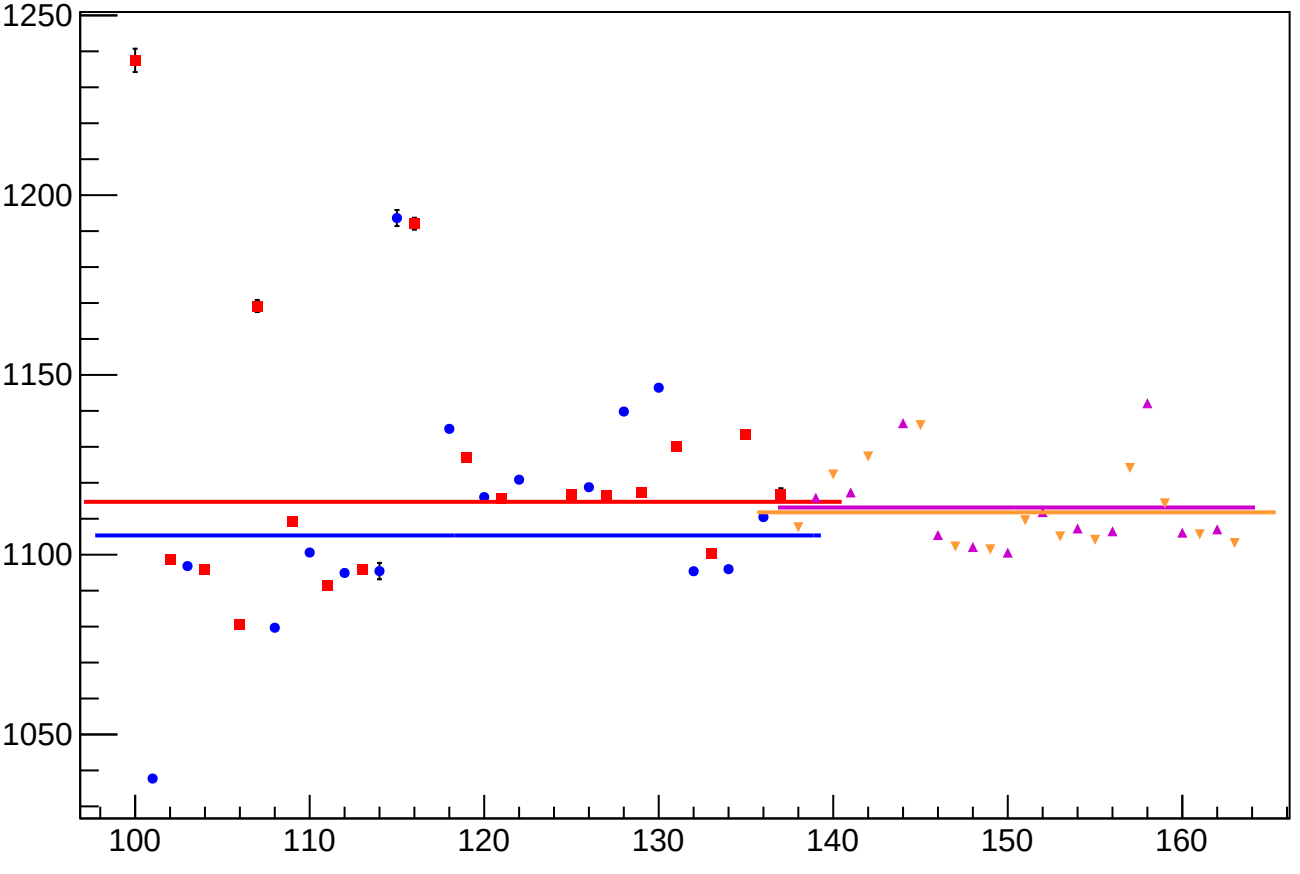
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1713.266+/-264.526 χ^2/NDF:20.8/27

Out: 1962.353+/-264.126 χ^2/NDF:24.5/30

All: 1837.998+/-186.906 χ^2/NDF: 45.8/58

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.784+/-0.244 χ^2/NDF:1854.6/12

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

Left In: 1113.133+/-0.245 χ^2/NDF:2651.0/11

Left: 1112.457+/-0.173 χ^2/NDF: 4520.8/24

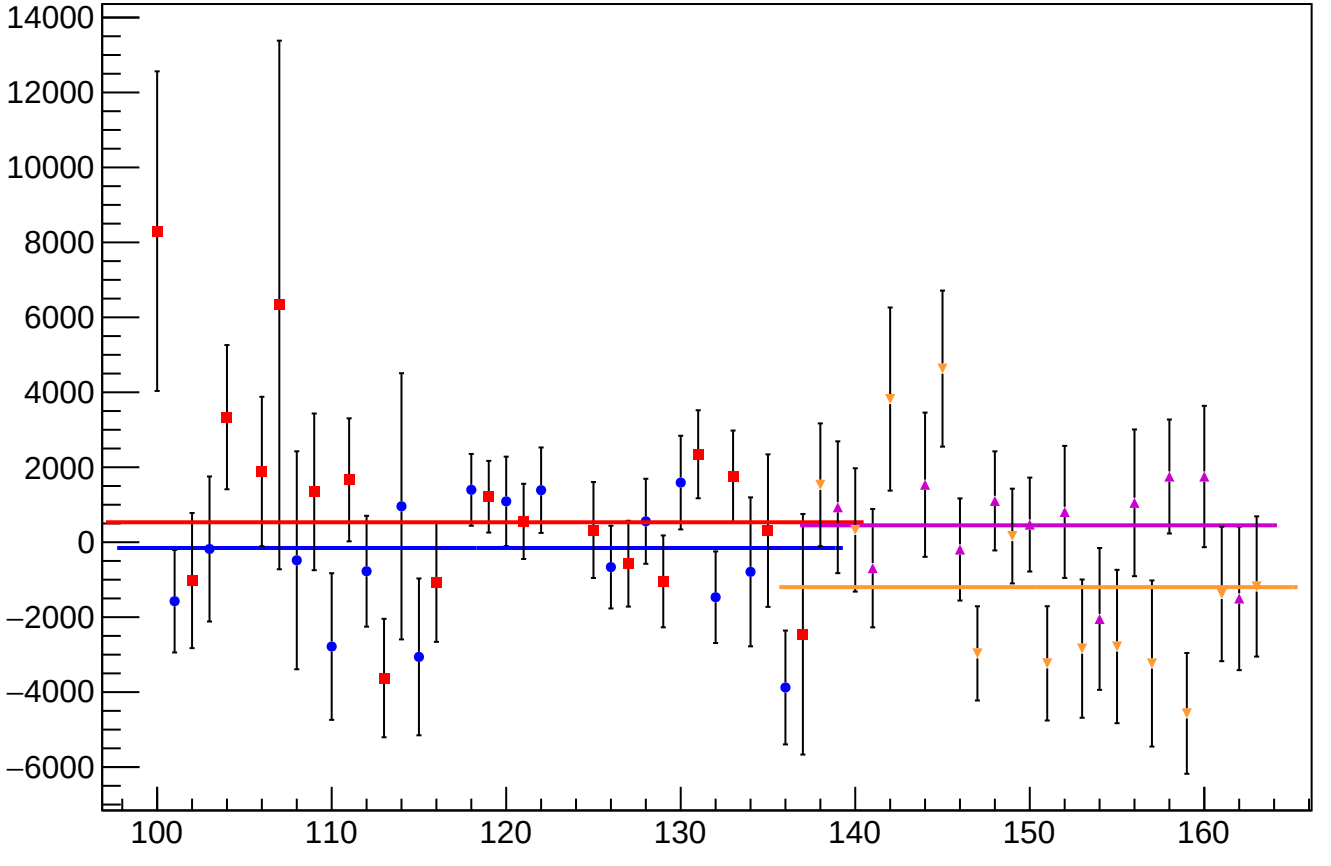
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1109.906+/-0.187 χ^2/NDF:14401.6/27

Out: 1112.992+/-0.187 χ^2/NDF:9244.2/30

All: 1111.451+/-0.132 χ^2/NDF: 23782.0/58

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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

Left Out: -1198.408+/-468.988 χ^2/NDF:27.2/12

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

Left In: 450.805+/-466.721 χ^2/NDF:5.5/11

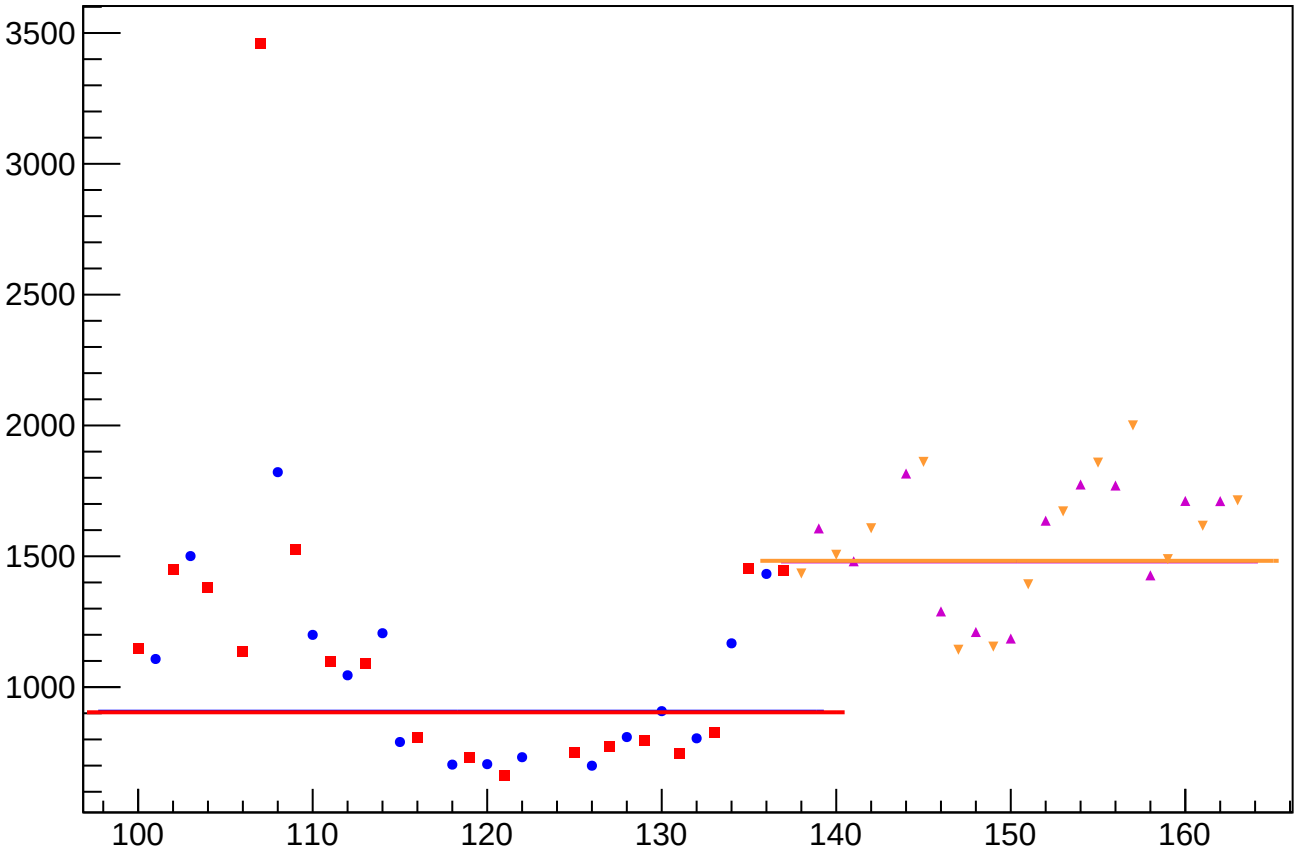
Left: -369.807+/-330.820 χ^2/NDF: 39.0/24

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

In: 64.746+/-280.685 χ^2/NDF:27.0/27

Out: -87.821+/-280.708 χ^2/NDF:59.2/30

All: -11.531+/-198.483 χ^2/NDF: 86.4/58



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

Left Out: 1482.707+/-0.332 χ^2/NDF:600176.7/12

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

Left In: 1480.368+/-0.330 χ^2/NDF:473840.2/11

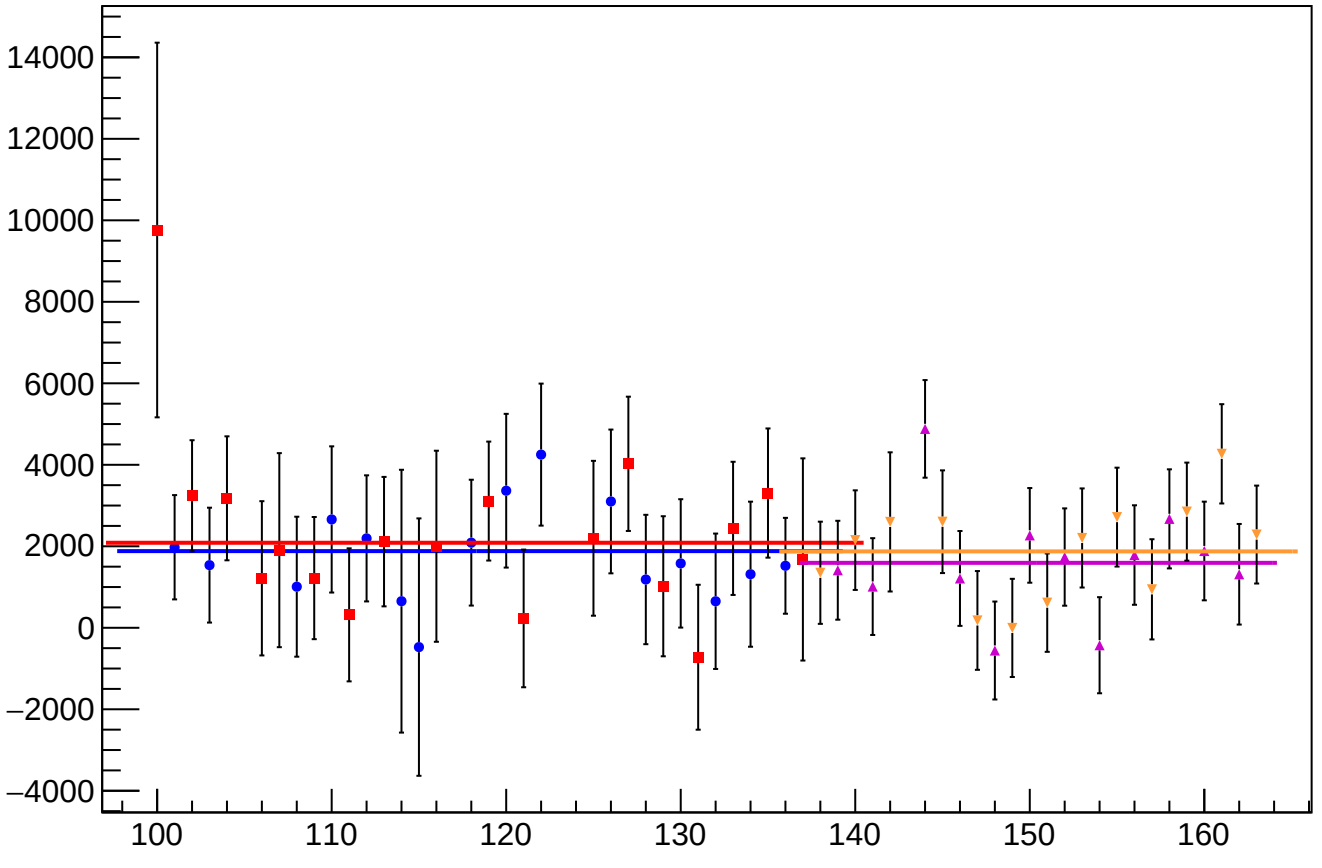
Left: 1481.531+/-0.234 χ^2/NDF: 1074041.9/24

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

In: 1113.760+/-0.198 χ^2/NDF:3486486.6/27

Out: 1111.164+/-0.198 χ^2/NDF:3896114.5/30

All: 1112.462+/-0.140 χ^2/NDF: 7382686.7/58



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

Left Out: 1874.577+/-344.863 χ^2/NDF:12.0/12

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

Left In: 1593.982+/-345.806 χ^2/NDF:15.3/11

Left: 1734.662+/-244.188 χ^2/NDF: 27.6/24

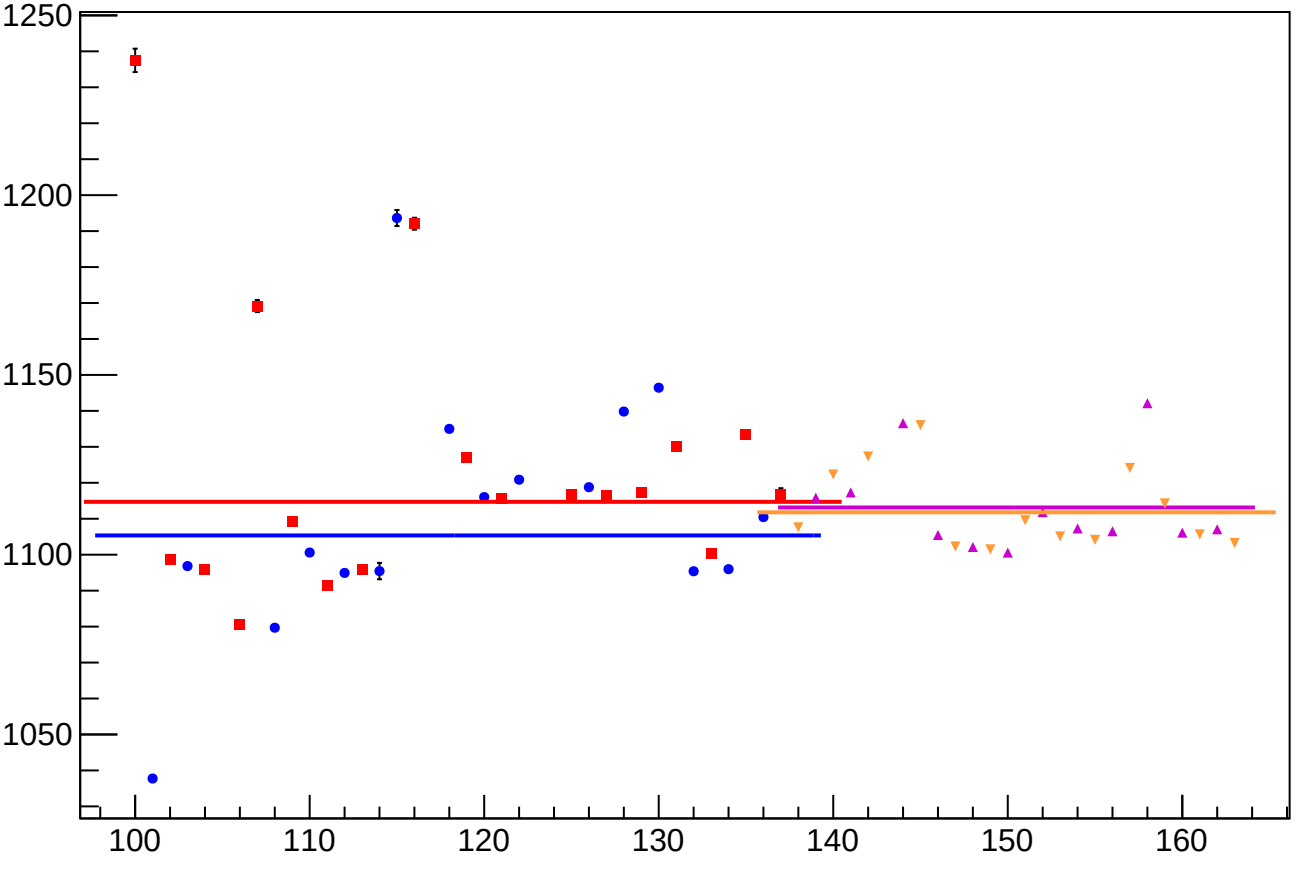
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1713.267+/-264.526 χ^2/NDF:20.8/27

Out: 1962.349+/-264.126 χ^2/NDF:24.5/30

All: 1837.997+/-186.906 χ^2/NDF: 45.8/58

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1111.784+/-0.244 χ^2/NDF:1854.6/12

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

Left In: 1113.133+/-0.245 χ^2/NDF:2651.0/11

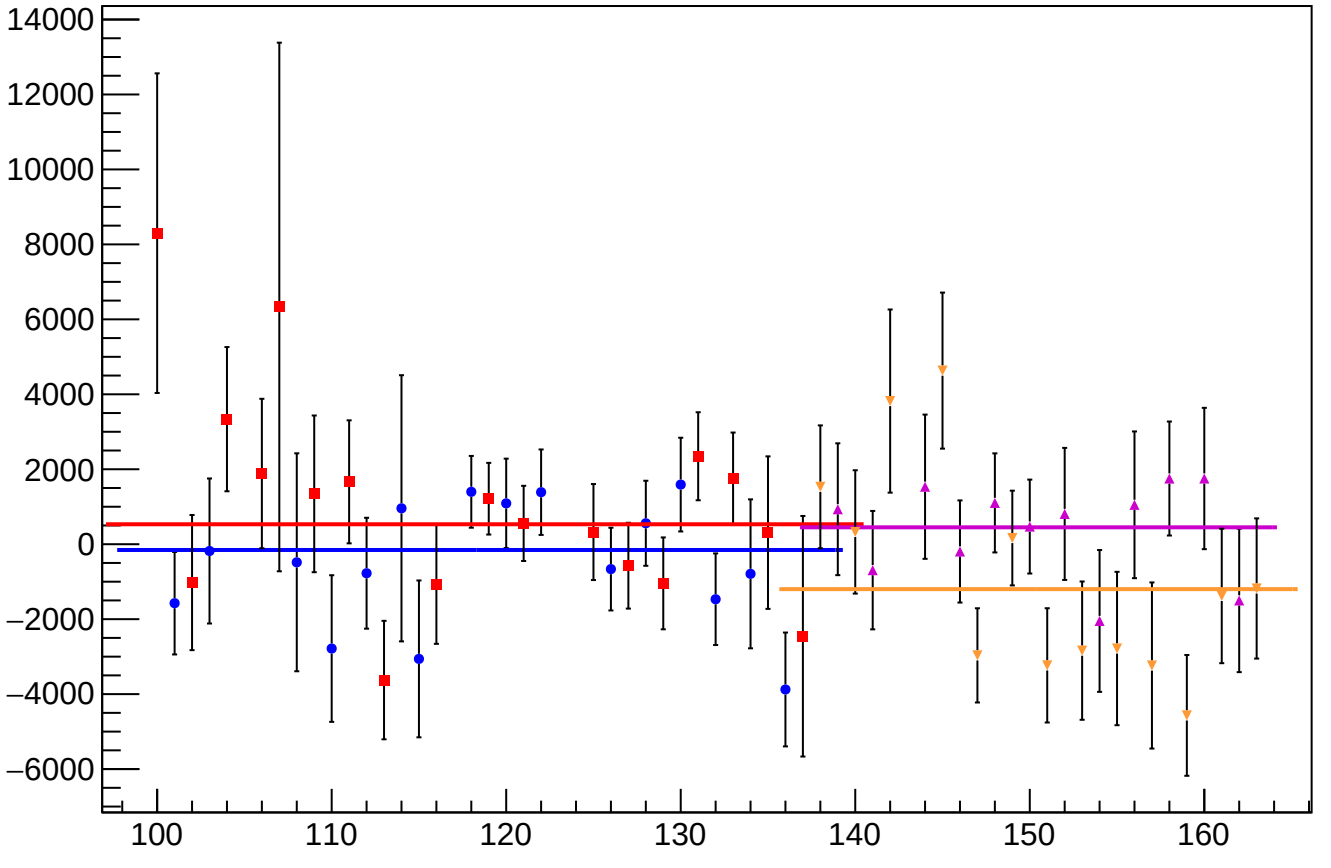
Left: 1112.457+/-0.173 χ^2/NDF: 4520.8/24

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

In: 1109.906+/-0.187 χ^2/NDF:14401.6/27

Out: 1112.992+/-0.187 χ^2/NDF:9244.2/30

All: 1111.451+/-0.132 χ^2/NDF: 23782.0/58



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

Left Out: -1198.414+/-468.989 χ^2/NDF:27.2/12

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

Left In: 450.807+/-466.722 χ^2/NDF:5.5/11

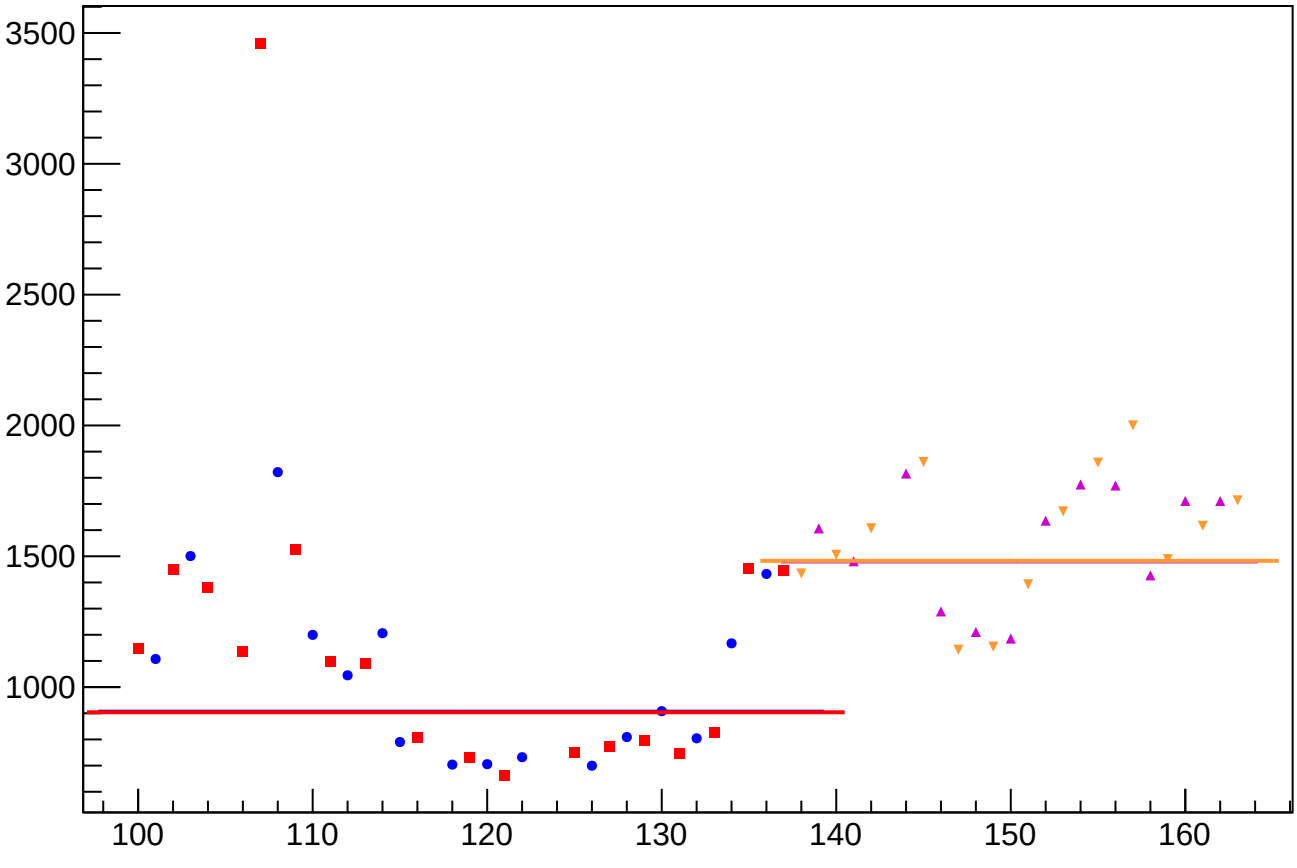
Left: -369.809+/-330.821 χ^2/NDF: 39.0/24

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

In: 64.747+/-280.685 χ^2/NDF:27.0/27

Out: -87.821+/-280.708 χ^2/NDF:59.2/30

All: -11.531+/-198.482 χ^2/NDF: 86.4/58



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

Left Out: 1482.709+/-0.332 χ^2/NDF:600173.4/12

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

Left In: 1480.370+/-0.330 χ^2/NDF:473837.1/11

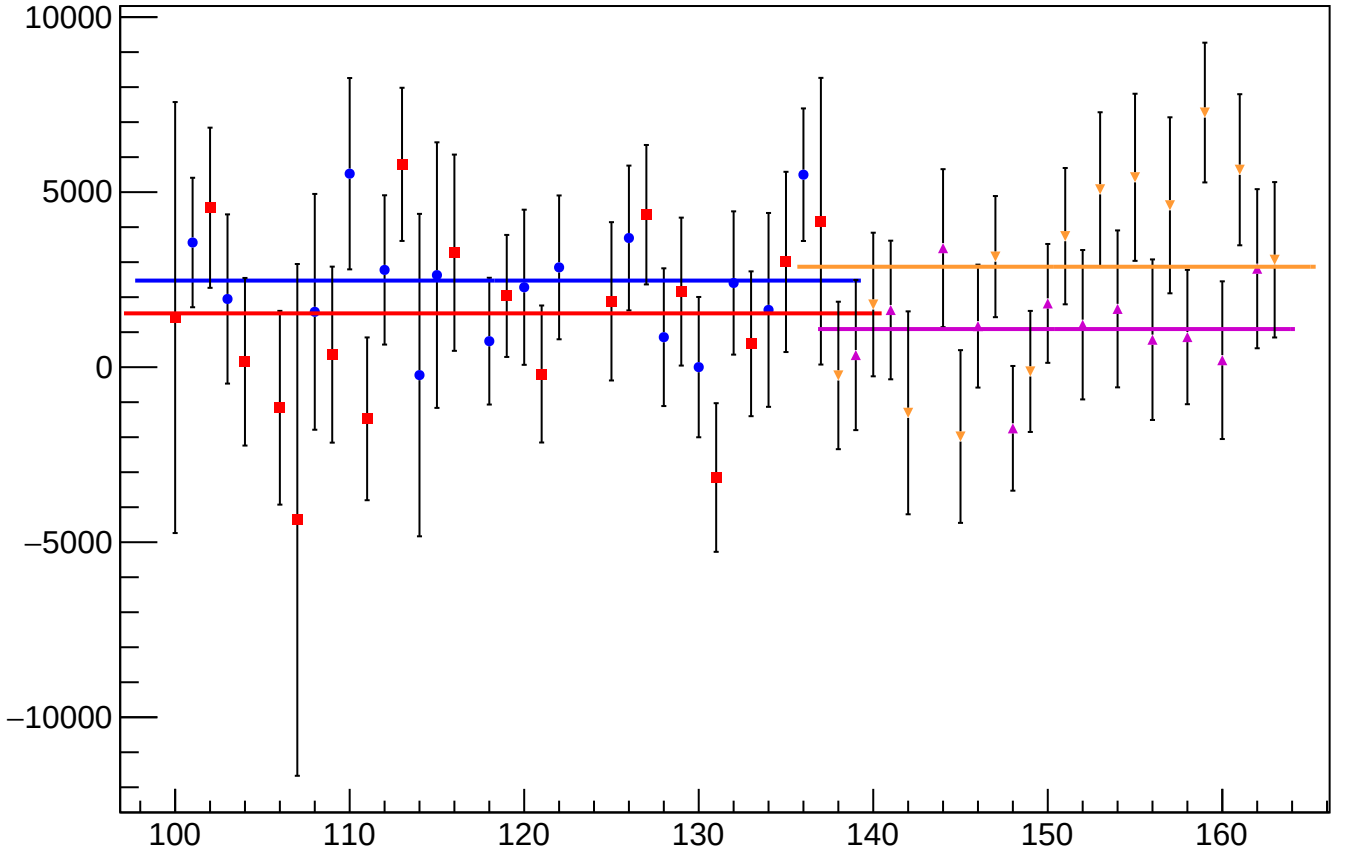
Left: 1481.534+/-0.234 χ^2/NDF: 1074035.5/24

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

In: 1113.758+/-0.198 χ^2/NDF:3486514.7/27

Out: 1111.162+/-0.198 χ^2/NDF:3896142.6/30

All: 1112.460+/-0.140 χ^2/NDF: 7382742.7/58



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

Left Out: 2869.334+/-588.488 χ^2/NDF:20.8/12

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

Left In: 1089.260+/-584.578 χ^2/NDF:4.8/11

Left: 1973.364+/-414.734 χ^2/NDF: 30.2/24

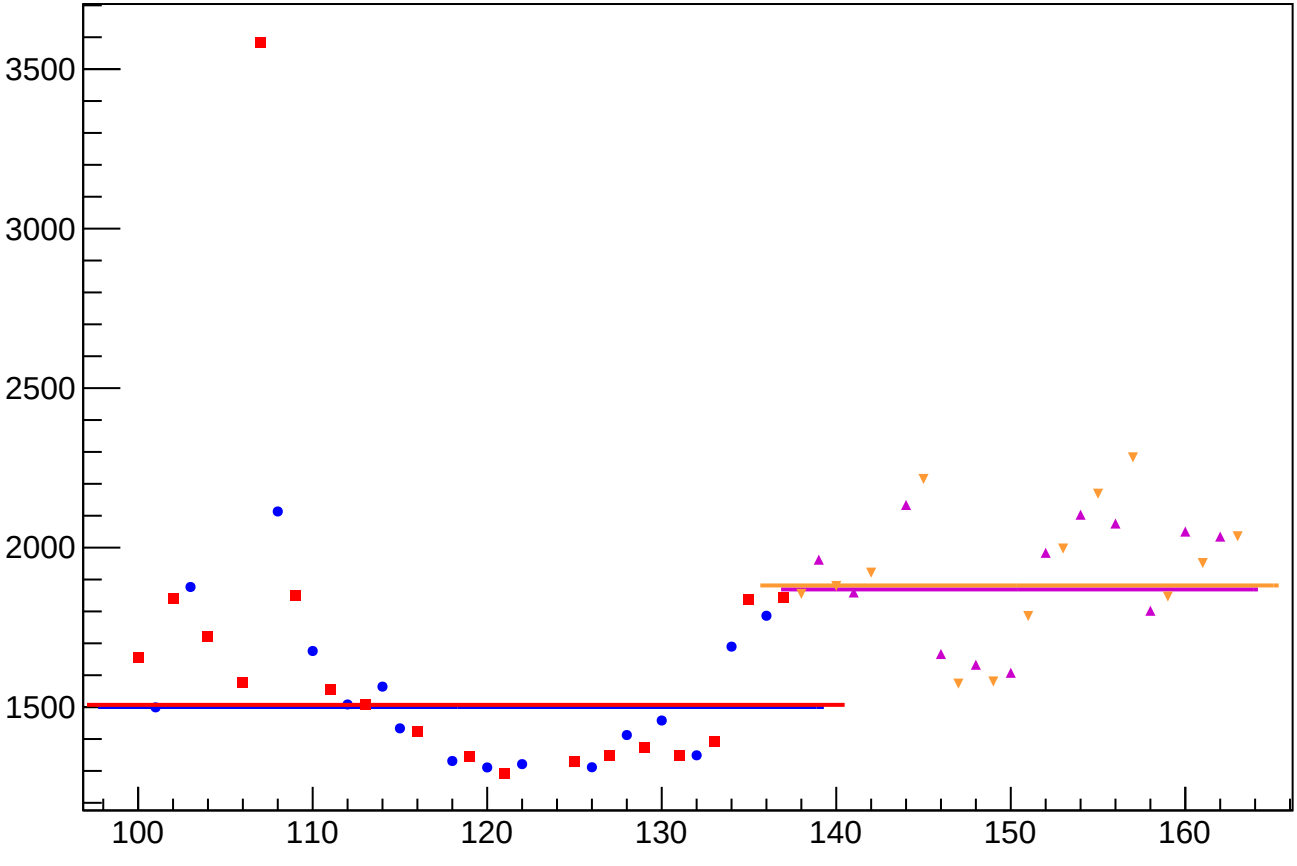
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1807.943+/-405.439 χ^2/NDF:15.9/27

Out: 2174.575+/-407.023 χ^2/NDF:42.0/30

All: 1990.544+/-287.247 χ^2/NDF: 58.3/58

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1881.399+/-0.416 χ^2/NDF:264006.4/12

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

Left In: 1868.969+/-0.413 χ^2/NDF:210281.8/11

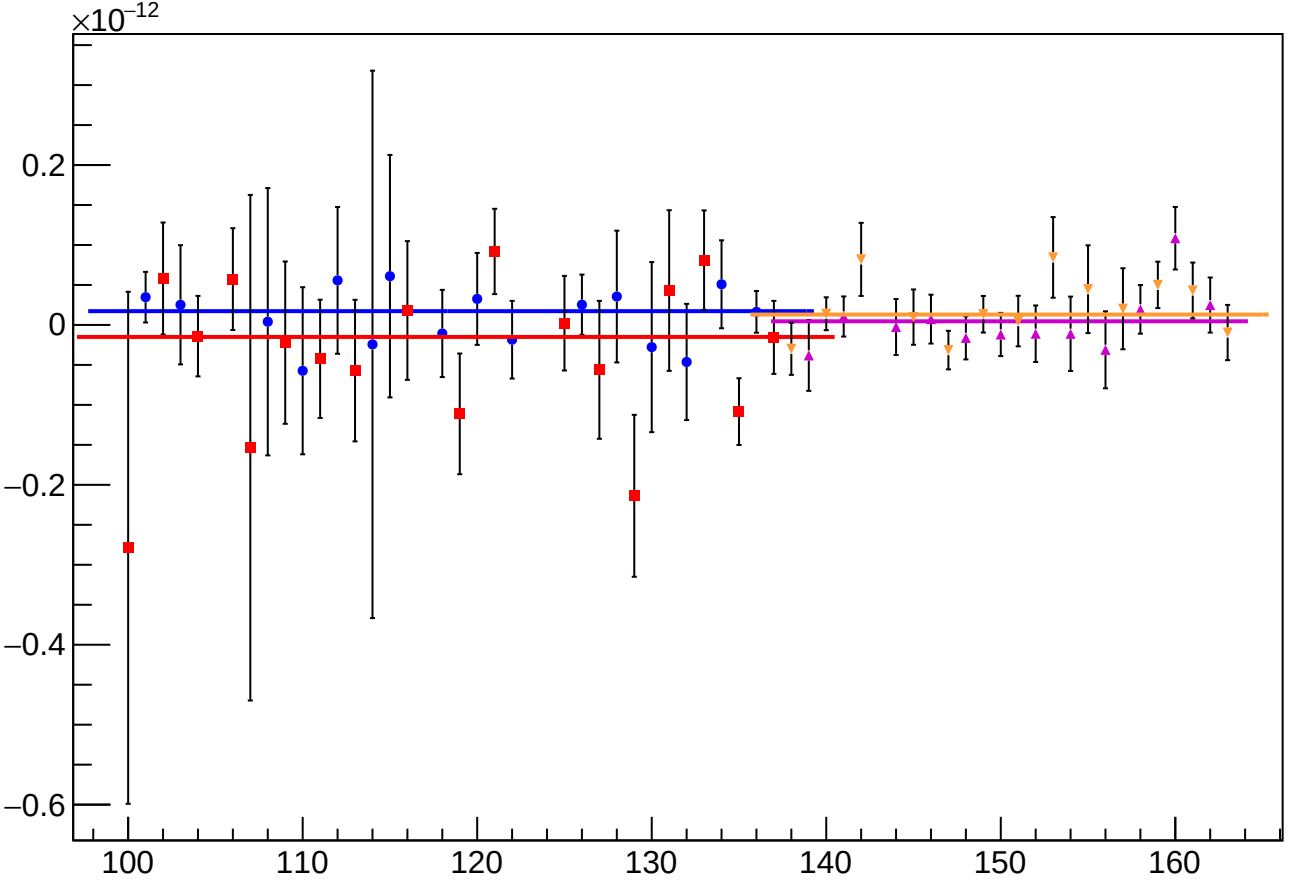
Left: 1875.143+/-0.293 χ^2/NDF: 474737.3/24

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

In: 1677.678+/-0.287 χ^2/NDF:881728.7/27

Out: 1686.152+/-0.288 χ^2/NDF:1087280.9/30

All: 1681.899+/-0.203 χ^2/NDF: 1969444.7/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/12

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

Left In: 0.000+/-0.000 χ^2/NDF:10.5/11

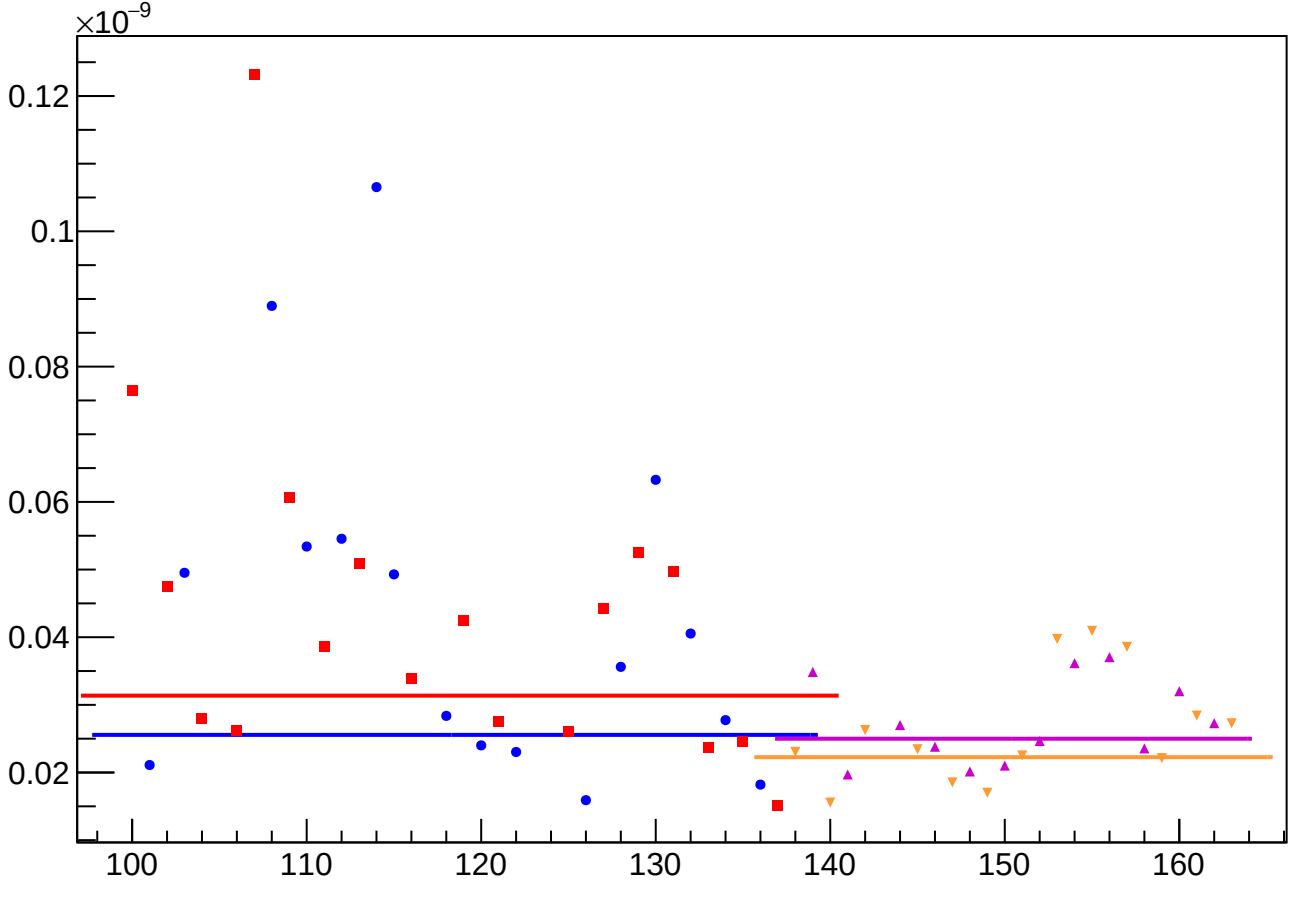
Left: 0.000+/-0.000 χ^2/NDF: 23.6/24

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:14.5/27

Out: 0.000+/-0.000 χ^2/NDF:36.3/30

All: 0.000+/-0.000 χ^2/NDF: 50.8/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:1169674.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:623913.5/11

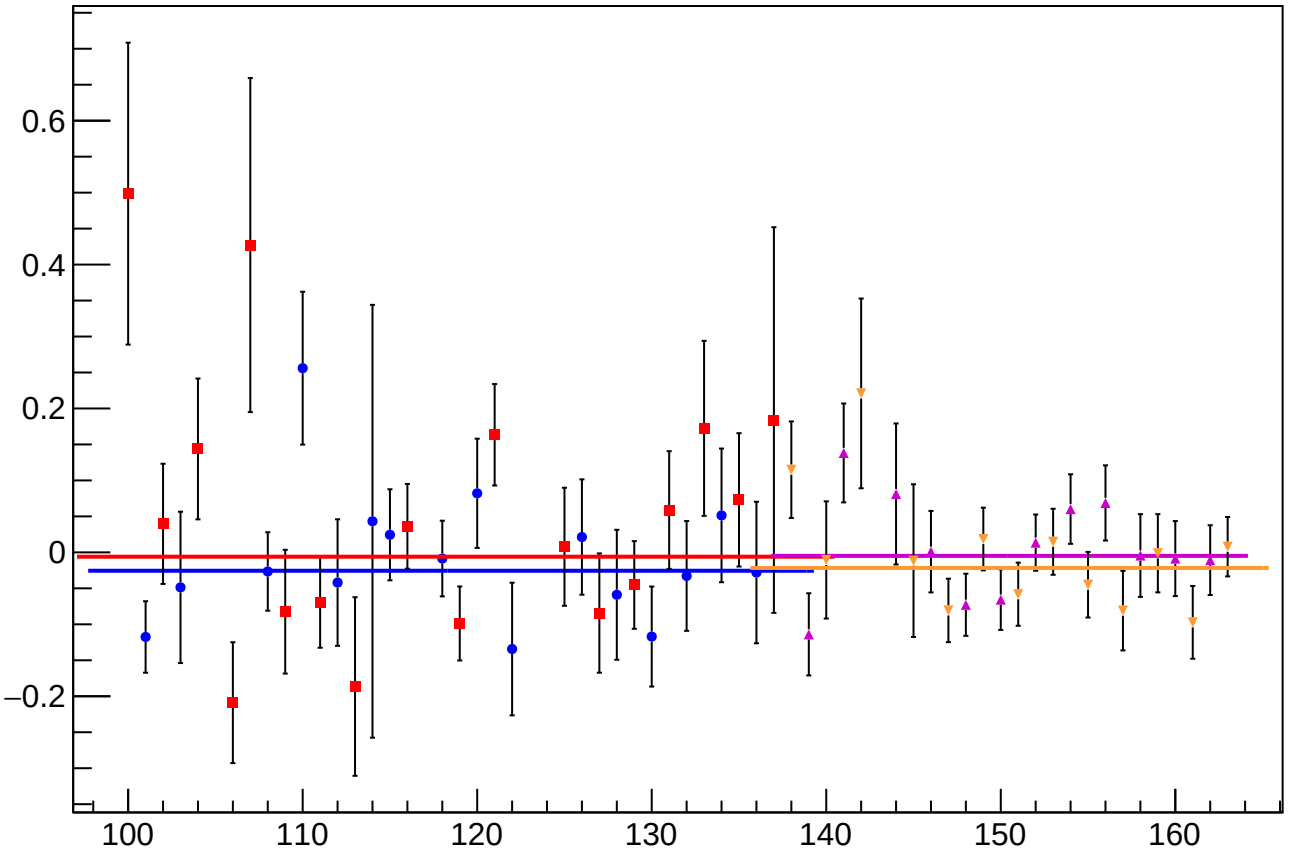
Left: 0.000+/-0.000 χ^2/NDF: 1882849.2/24

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

In: 0.000+/-0.000 χ^2/NDF:2334082.5/27

Out: 0.000+/-0.000 χ^2/NDF:2892155.5/30

All: 0.000+/-0.000 χ^2/NDF: 5238609.5/58



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

Left In: -0.005+/-0.015 χ^2/NDF:17.4/11

Left: -0.013+/-0.010 χ^2/NDF: 33.8/24

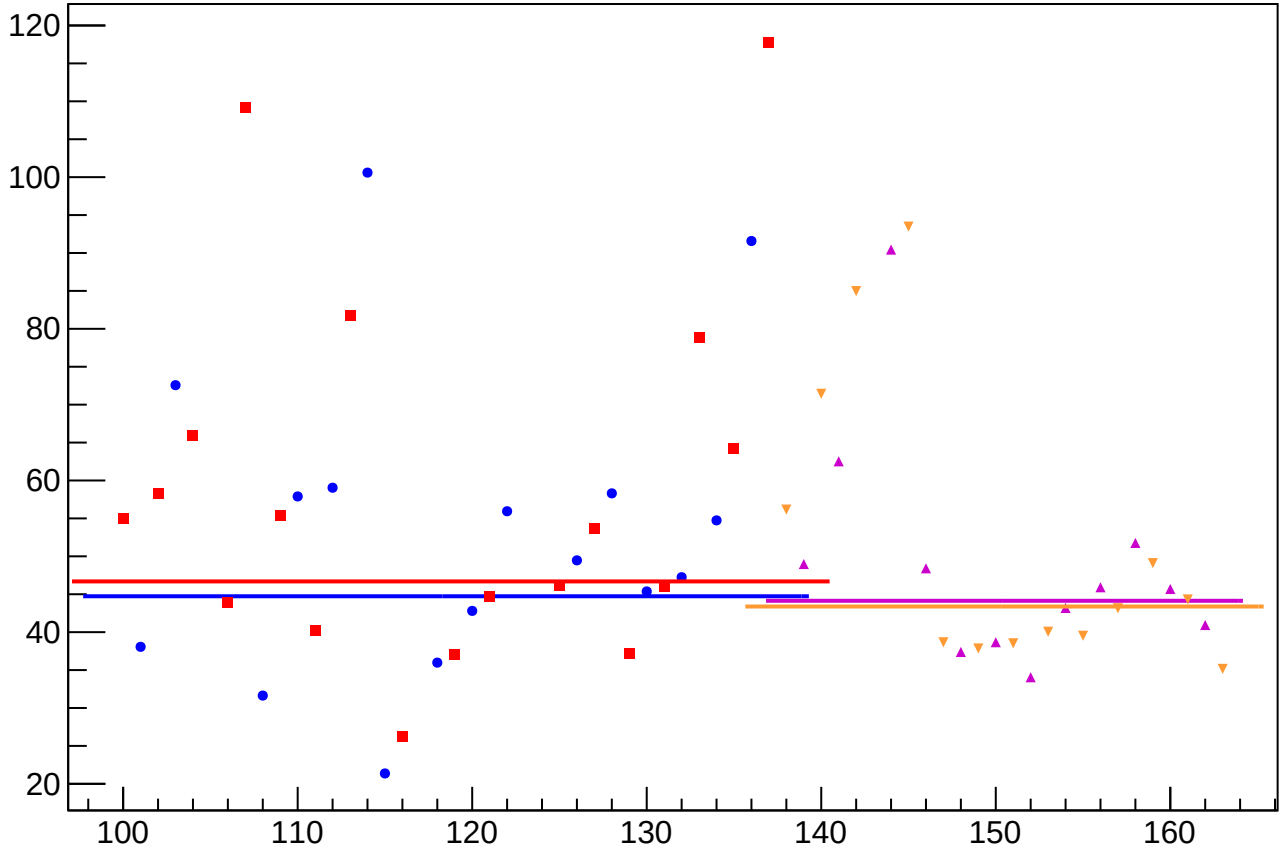
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/27

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.5/58

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 43.381+/-0.010 χ^2/NDF:1160671.3/12

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

Left In: 44.137+/-0.010 χ^2/NDF:880215.2/11

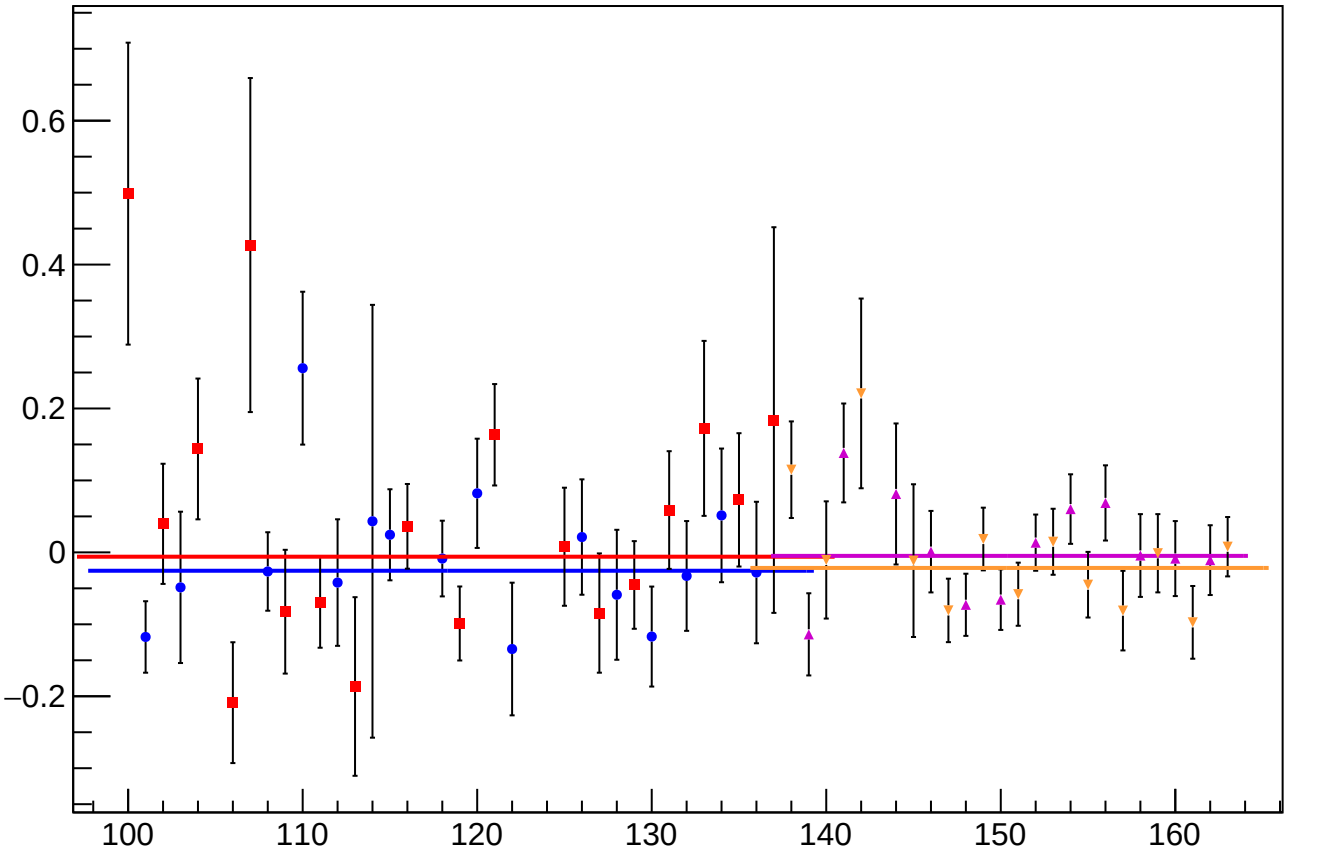
Left: 43.755+/-0.007 χ^2/NDF: 2043527.3/24

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

In: 44.365+/-0.008 χ^2/NDF:2216003.4/27

Out: 44.581+/-0.008 χ^2/NDF:2393268.5/30

All: 44.472+/-0.006 χ^2/NDF: 4609615.1/58



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

Left In: -0.005+/-0.015 χ^2/NDF:17.4/11

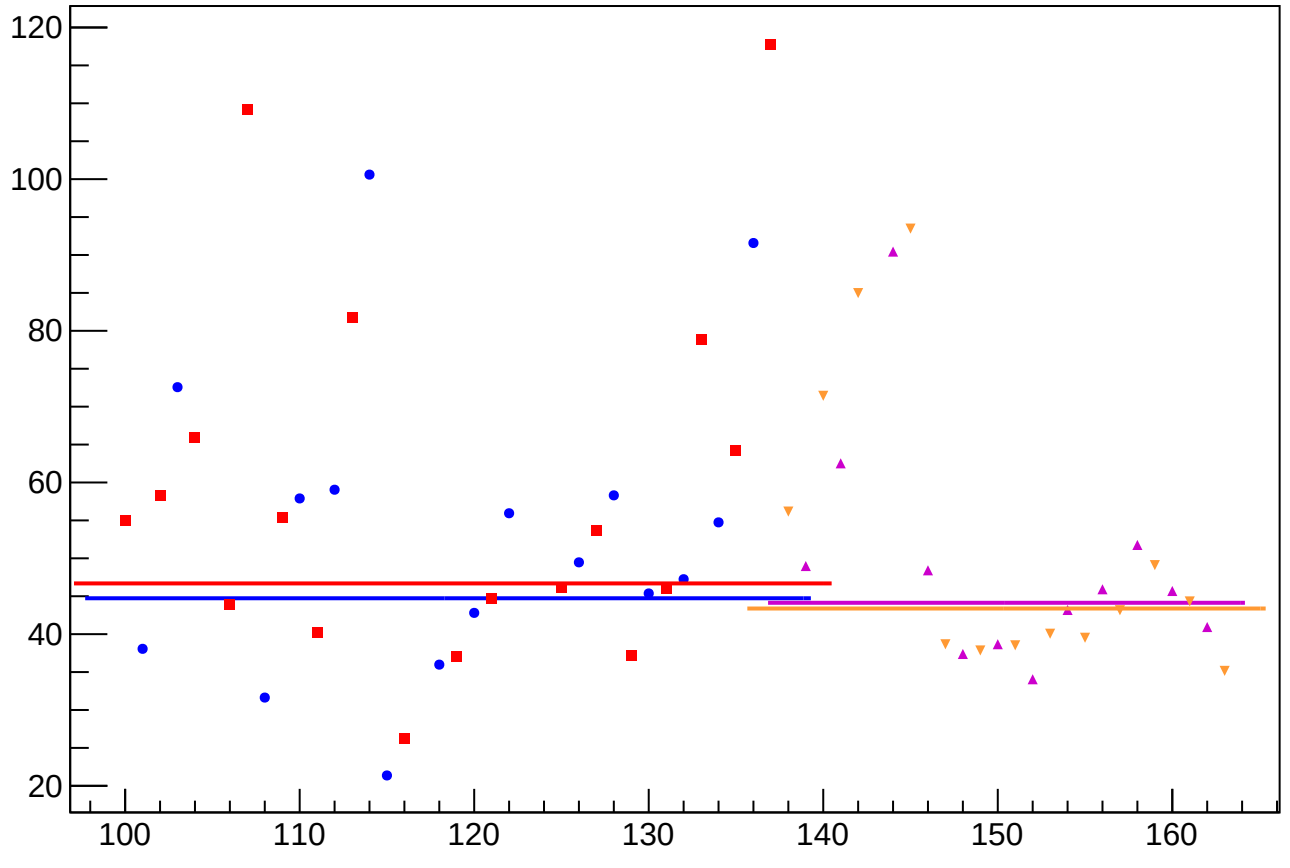
Left: -0.013+/-0.010 χ^2/NDF: 33.8/24

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

In: -0.013+/-0.012 χ^2/NDF:35.7/27

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.5/58



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

Left Out: 43.381+/-0.010 χ^2/NDF:1160671.3/12

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

Left In: 44.137+/-0.010 χ^2/NDF:880215.2/11

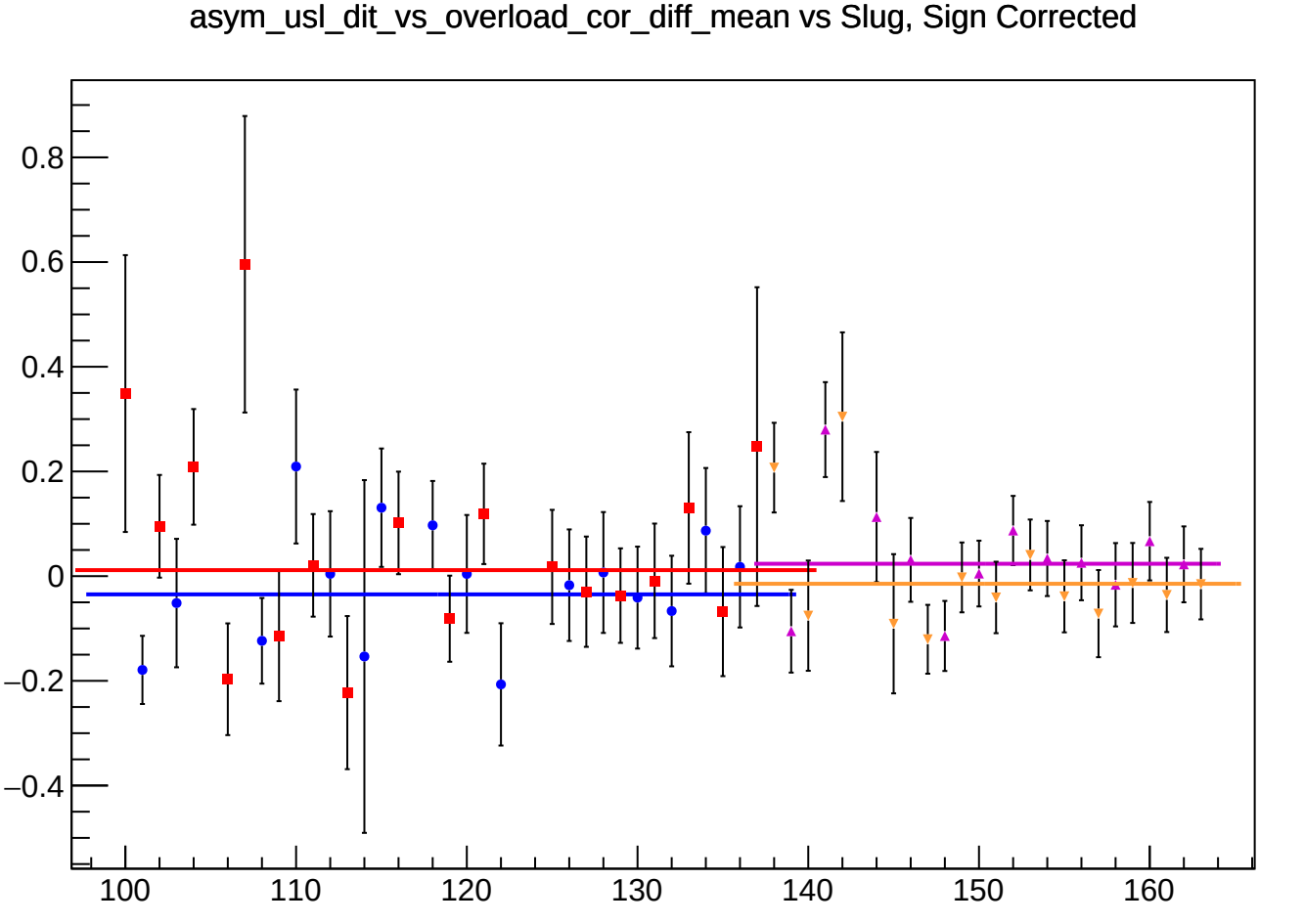
Left: 43.755+/-0.007 χ^2/NDF: 2043527.3/24

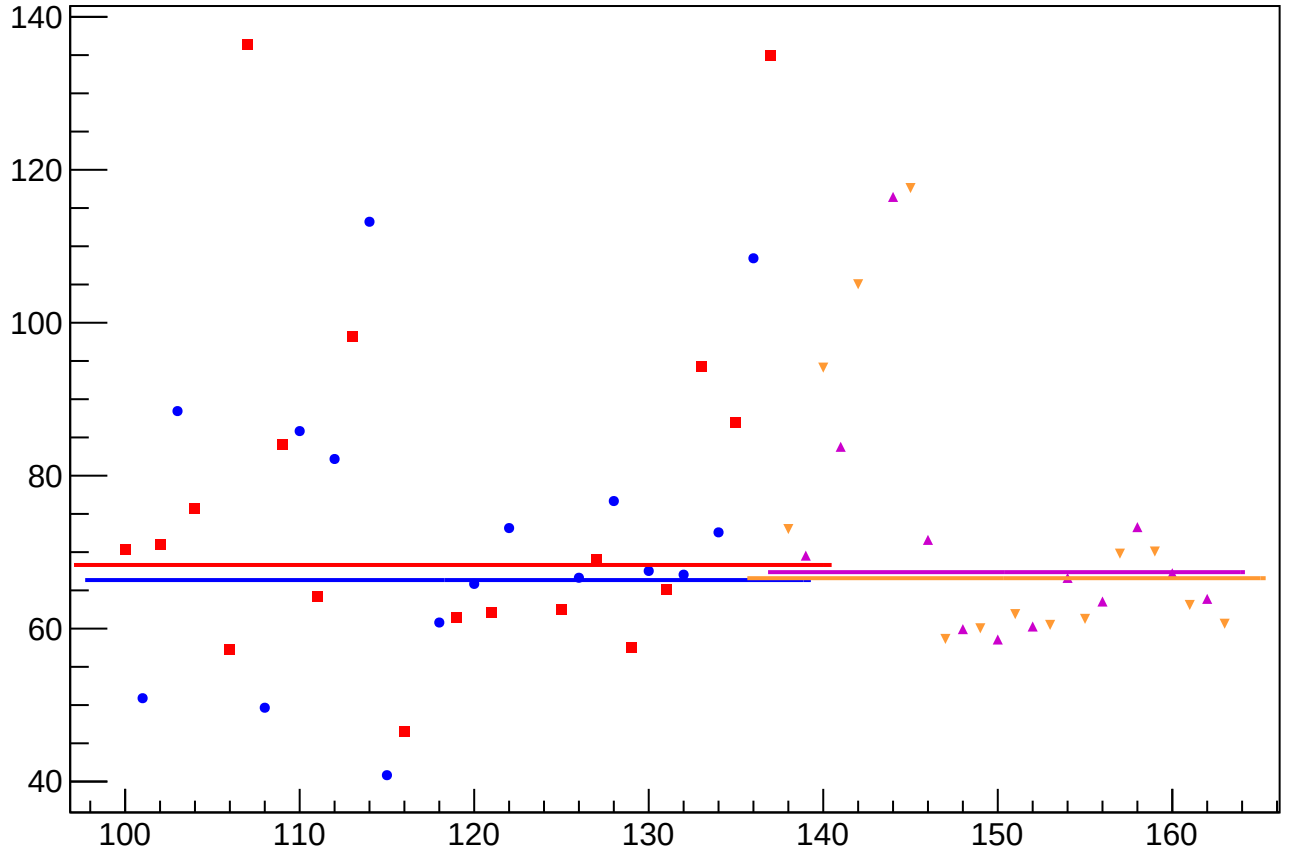
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.365+/-0.008 χ^2/NDF:2216003.4/27

Out: 44.581+/-0.008 χ^2/NDF:2393268.5/30

All: 44.472+/-0.006 χ^2/NDF: 4609615.1/58


asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.015+/-0.022 χ²/NDF:15.4/12
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.024+/-0.022 χ²/NDF:17.0/11
Left: 0.004+/-0.015 χ²/NDF: 34.0/24
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.000+/-0.017 χ²/NDF:37.4/27
Out: -0.004+/-0.017 χ²/NDF:38.8/30
All: -0.002+/-0.012 χ²/NDF: 76.2/58



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

Left Out: 66.594+/-0.015 χ^2/NDF:670048.8/12

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.384+/-0.015 χ^2/NDF:492919.3/11

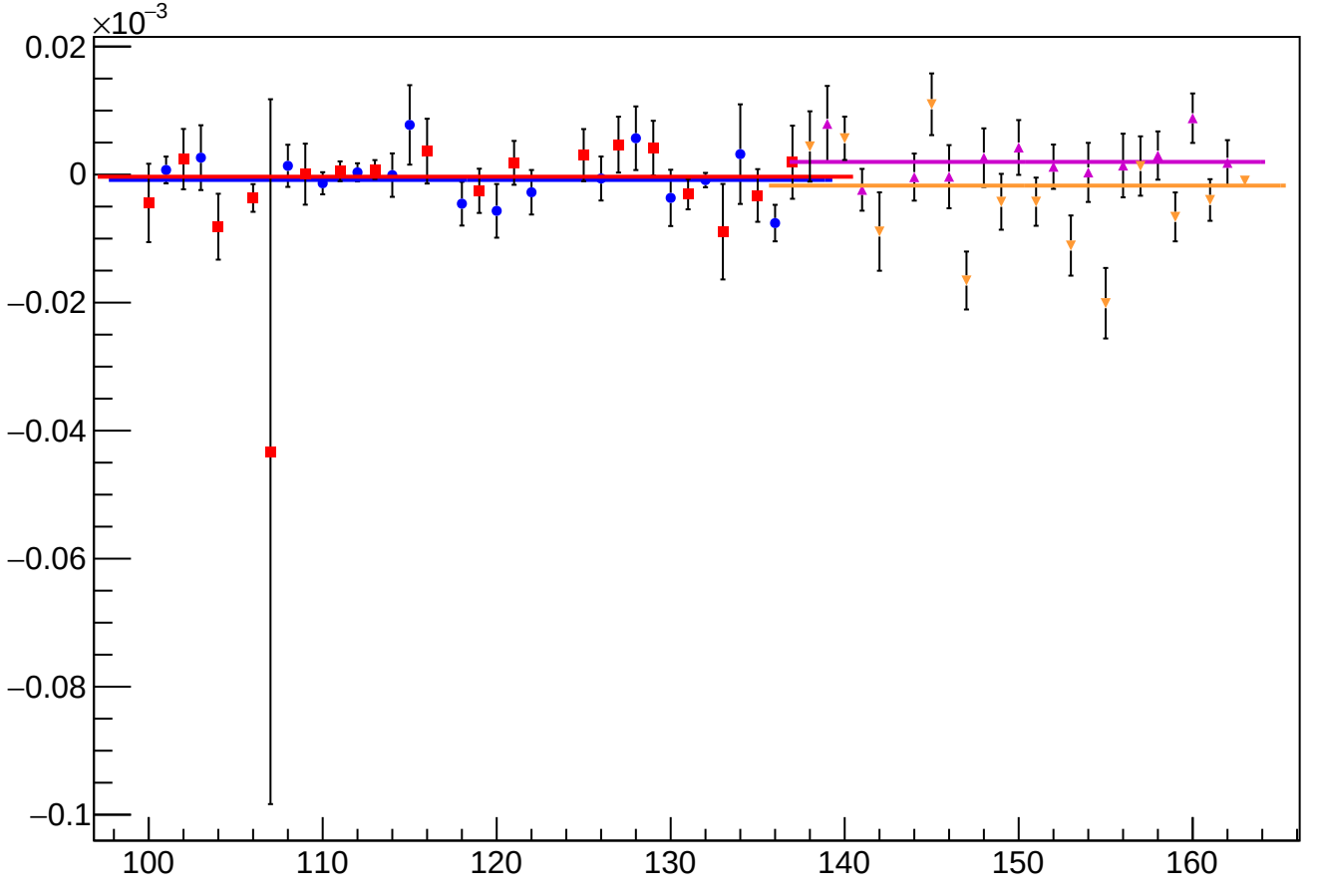
Left: 66.986+/-0.011 χ^2/NDF: 1164302.5/24

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 66.964+/-0.012 χ^2/NDF:1267418.4/27

Out: 67.269+/-0.012 χ^2/NDF:1304748.6/30

All: 67.116+/-0.008 χ^2/NDF: 2572498.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:7.1/11

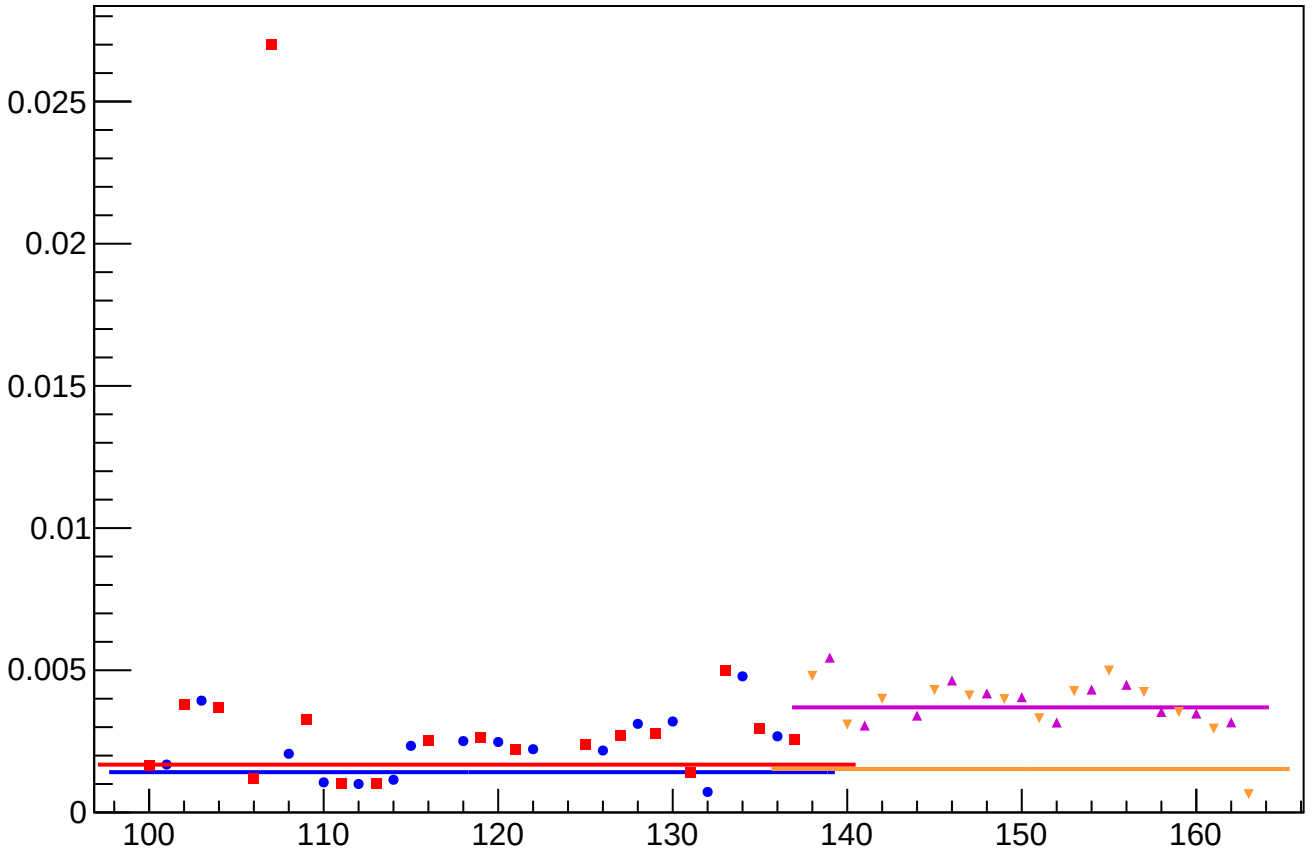
Left: -0.000+/-0.000 χ^2/NDF: 59.1/24

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:26.6/27

Out: -0.000+/-0.000 χ^2/NDF:61.3/30

All: -0.000+/-0.000 χ^2/NDF: 89.3/58



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

Left Out: 0.002+/-0.000 χ^2/NDF:9502749.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:563227.3/11

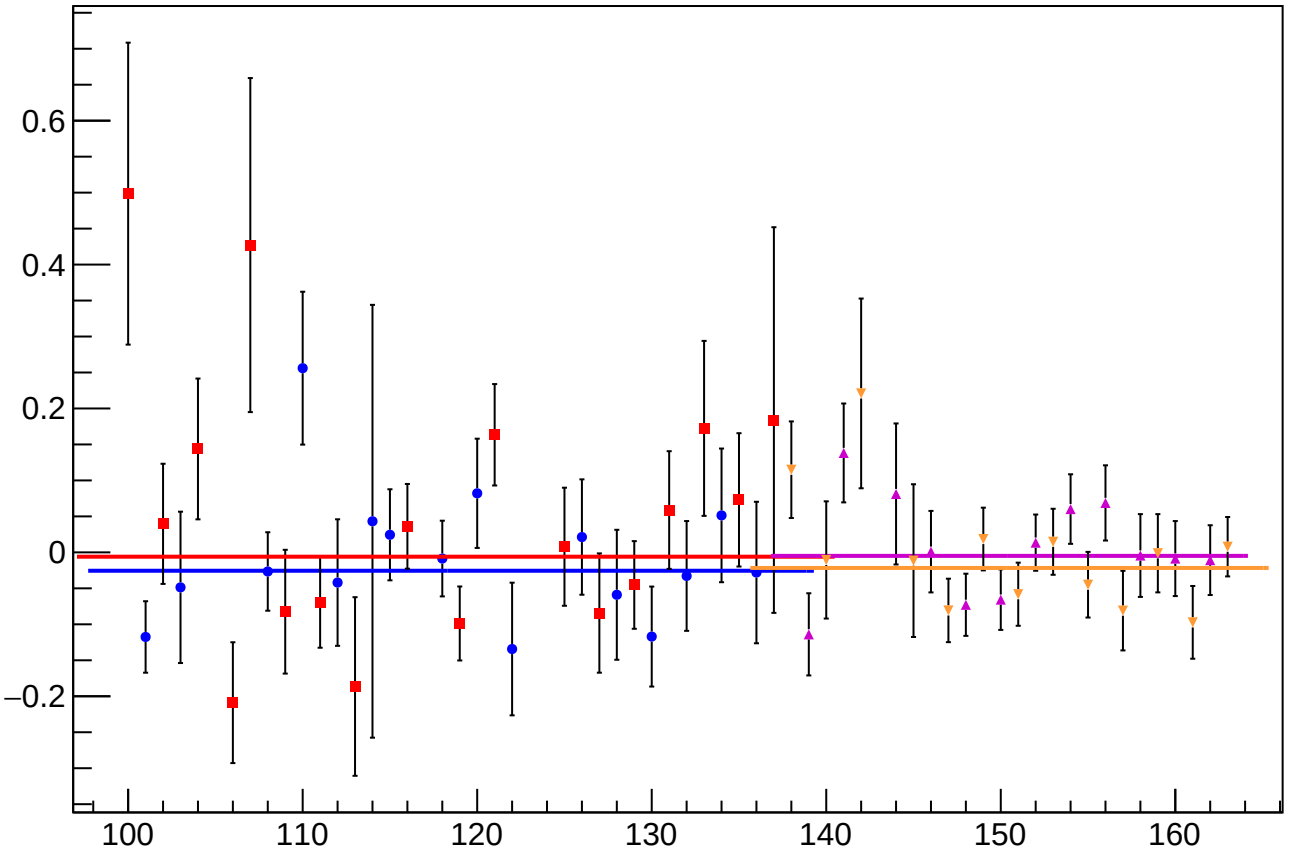
Left: 0.002+/-0.000 χ^2/NDF: 15244394.4/24

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:10029712.3/27

Out: 0.002+/-0.000 χ^2/NDF:12978009.4/30

All: 0.002+/-0.000 χ^2/NDF: 23370496.4/58



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

Left In: -0.005+/-0.015 χ^2/NDF:17.4/11

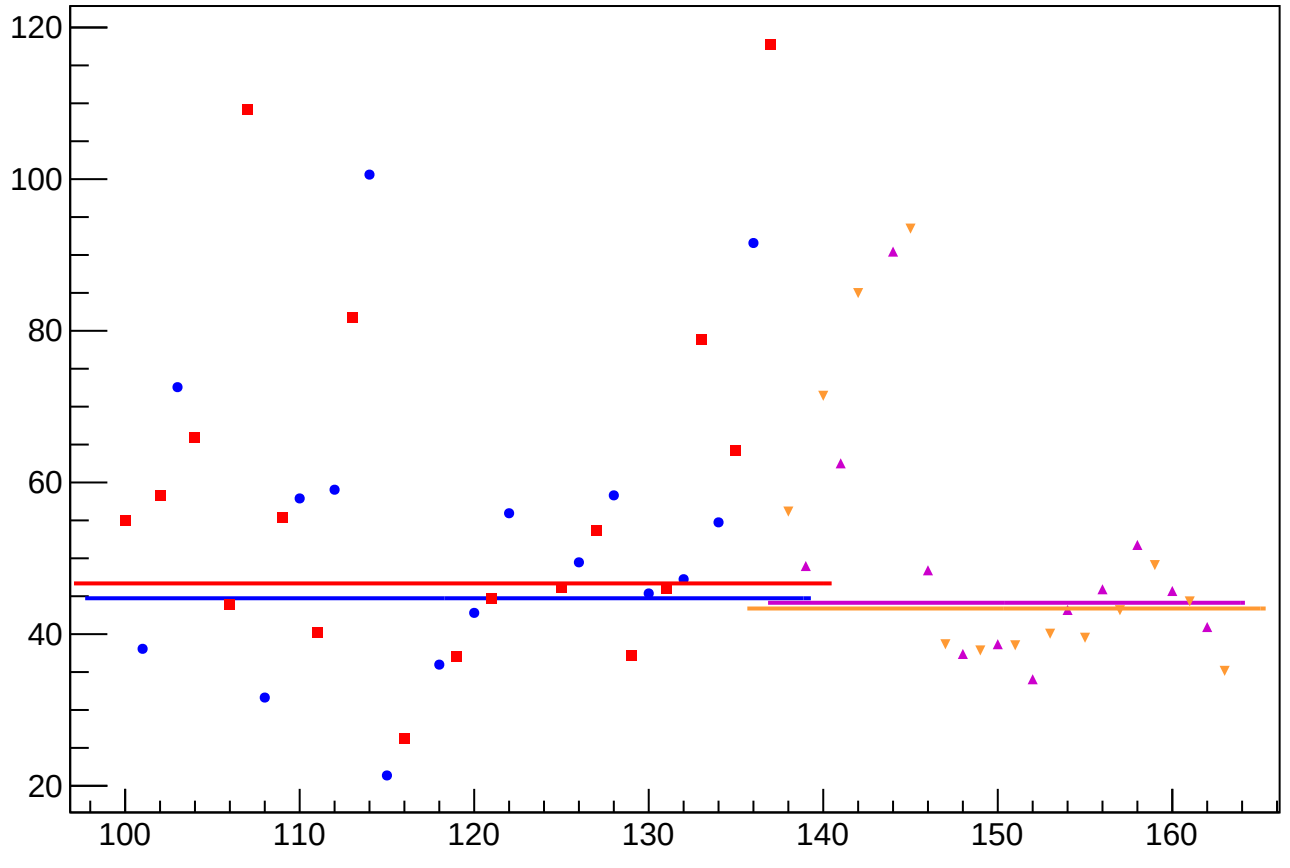
Left: -0.013+/-0.010 χ^2/NDF: 33.8/24

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

In: -0.013+/-0.012 χ^2/NDF:35.7/27

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.5/58



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

Left Out: 43.382+/-0.010 χ^2/NDF:1160643.0/12

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.137+/-0.010 χ^2/NDF:880196.7/11

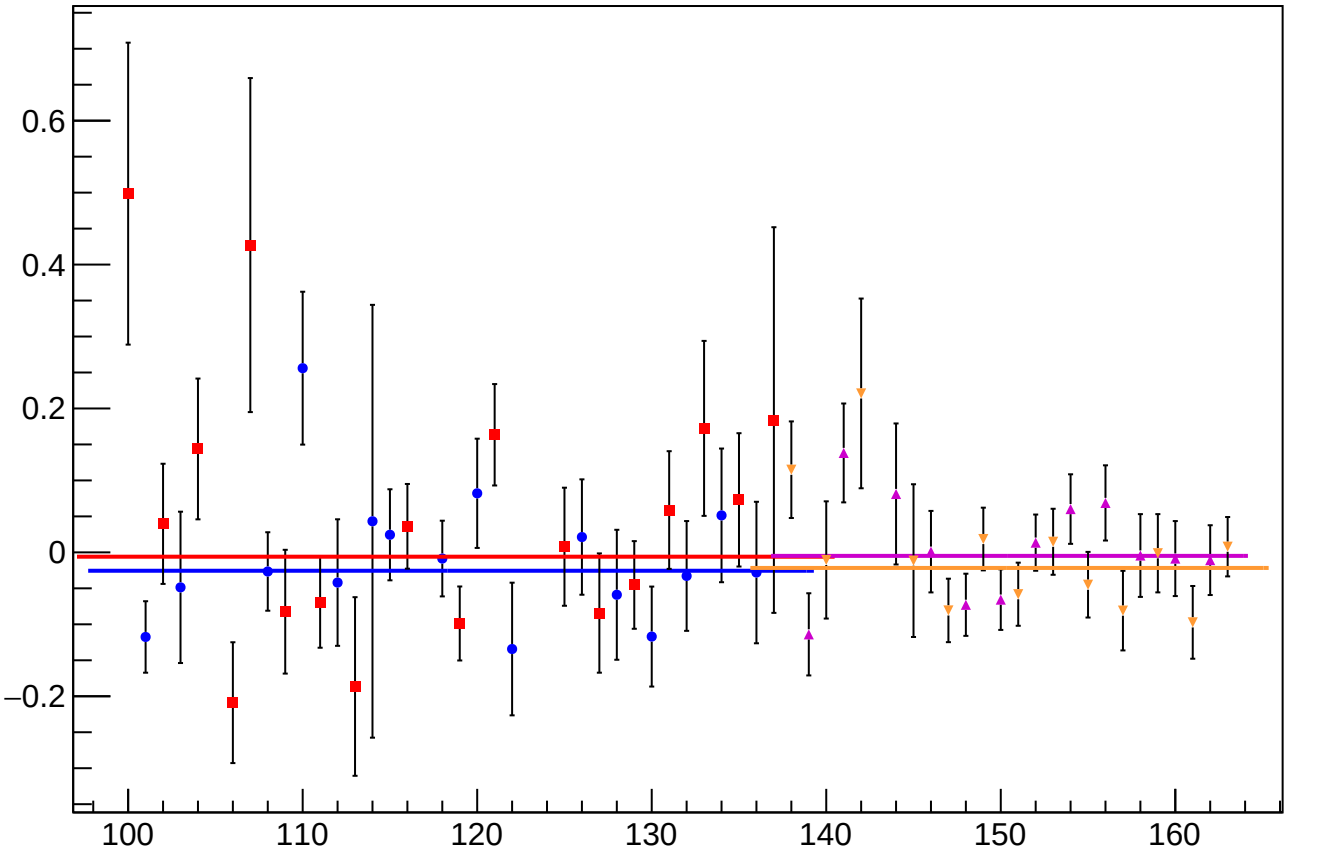
Left: 43.755+/-0.007 χ^2/NDF: 2043480.8/24

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.365+/-0.008 χ^2/NDF:2216041.9/27

Out: 44.581+/-0.008 χ^2/NDF:2393253.9/30

All: 44.472+/-0.006 χ^2/NDF: 4609639.1/58



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

Left Out: -0.022+/-0.015 χ^2/NDF:15.8/12

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

Left In: -0.005+/-0.015 χ^2/NDF:17.4/11

Left: -0.013+/-0.010 χ^2/NDF: 33.8/24

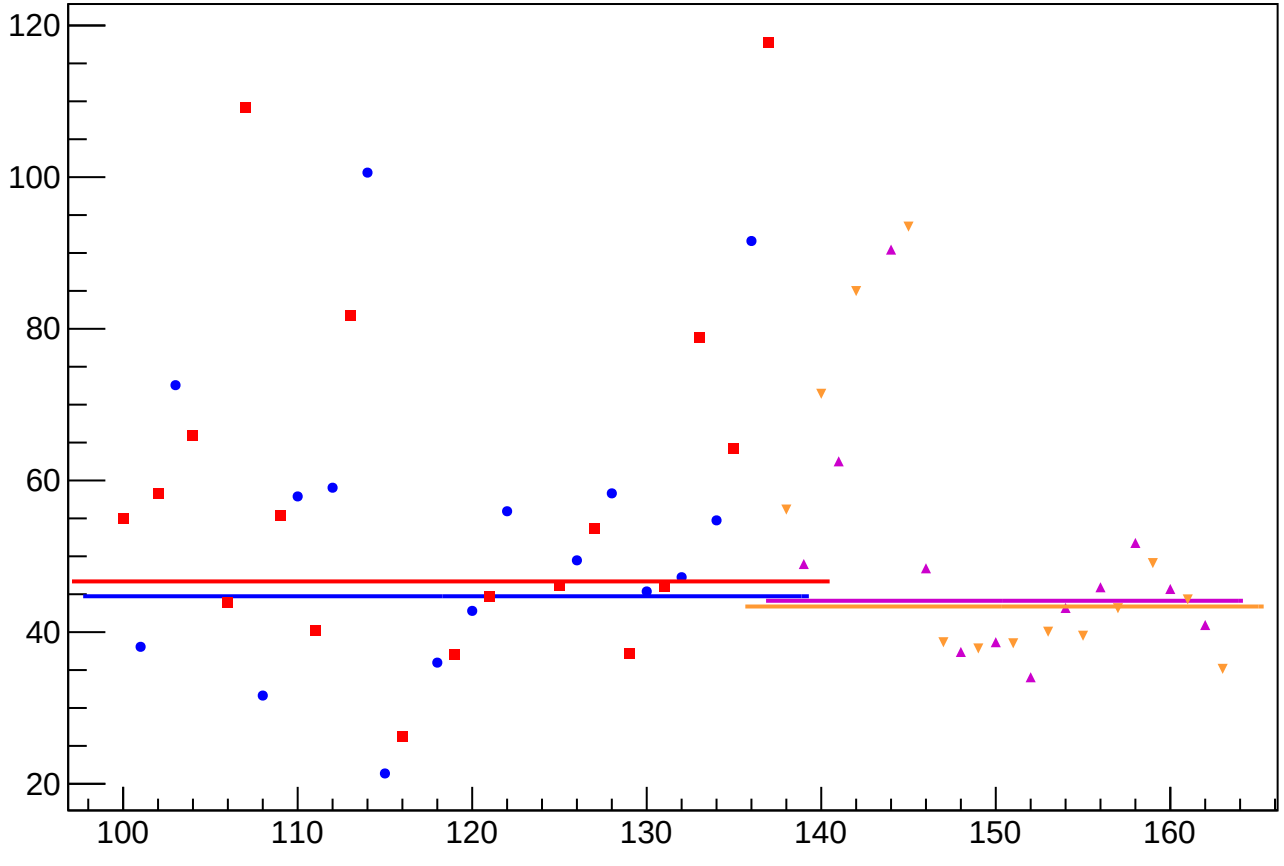
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.013+/-0.012 χ^2/NDF:35.7/27

Out: -0.016+/-0.012 χ^2/NDF:52.8/30

All: -0.014+/-0.008 χ^2/NDF: 88.5/58

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 43.382+/-0.010 χ^2/NDF:1160643.0/12

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 44.137+/-0.010 χ^2/NDF:880196.7/11

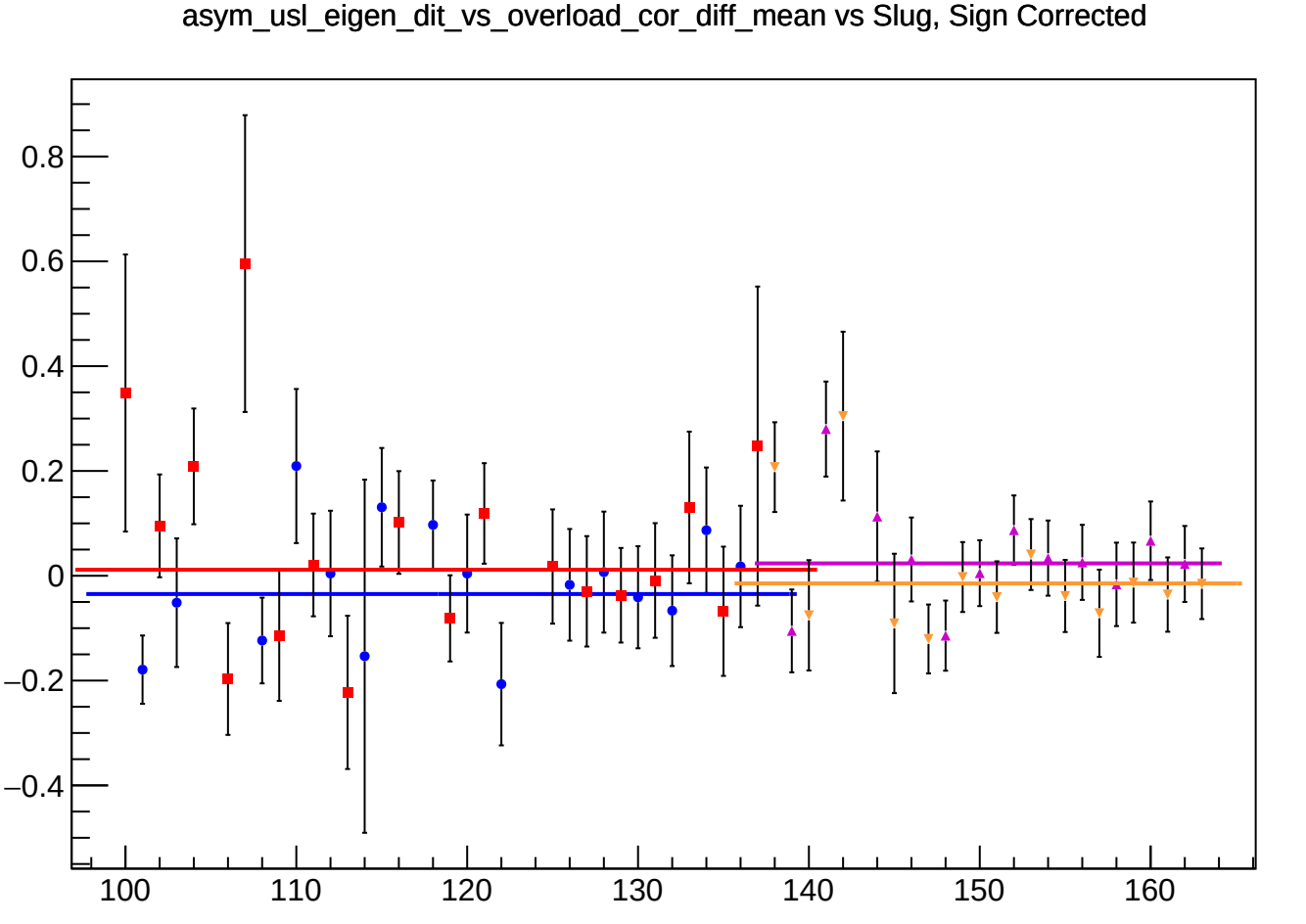
Left: 43.755+/-0.007 χ^2/NDF: 2043480.8/24

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.365+/-0.008 χ^2/NDF:2216041.9/27

Out: 44.581+/-0.008 χ^2/NDF:2393253.9/30

All: 44.472+/-0.006 χ^2/NDF: 4609639.1/58



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

Left Out: -0.015+/-0.022 χ^2/NDF:15.4/12

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.024+/-0.022 χ^2/NDF:17.0/11

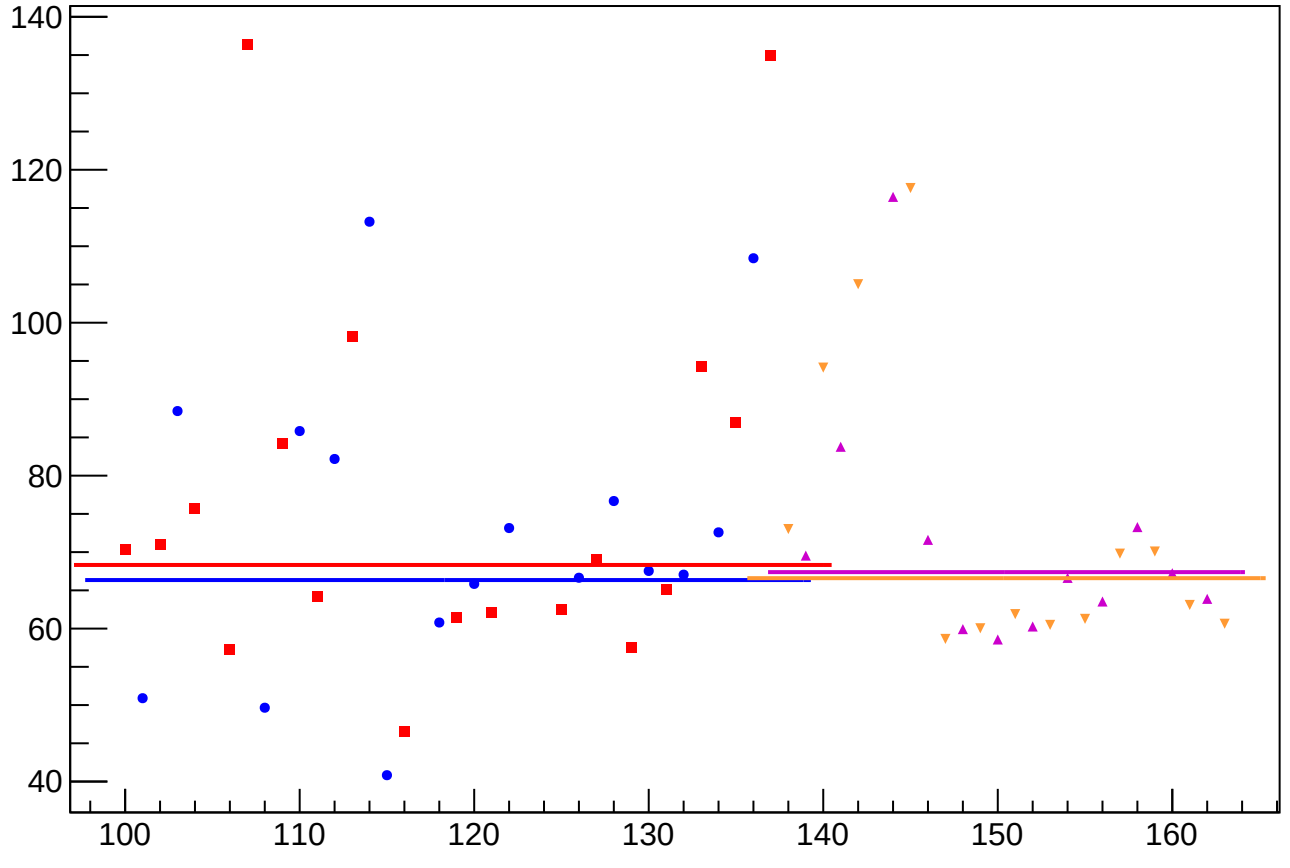
Left: 0.004+/-0.015 χ^2/NDF: 34.0/24

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.000+/-0.017 χ^2/NDF:37.4/27

Out: -0.004+/-0.017 χ^2/NDF:38.8/30

All: -0.002+/-0.012 χ^2/NDF: 76.2/58



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

Left Out: 66.594+/-0.015 χ^2/NDF:670036.3/12

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.384+/-0.015 χ^2/NDF:492912.1/11

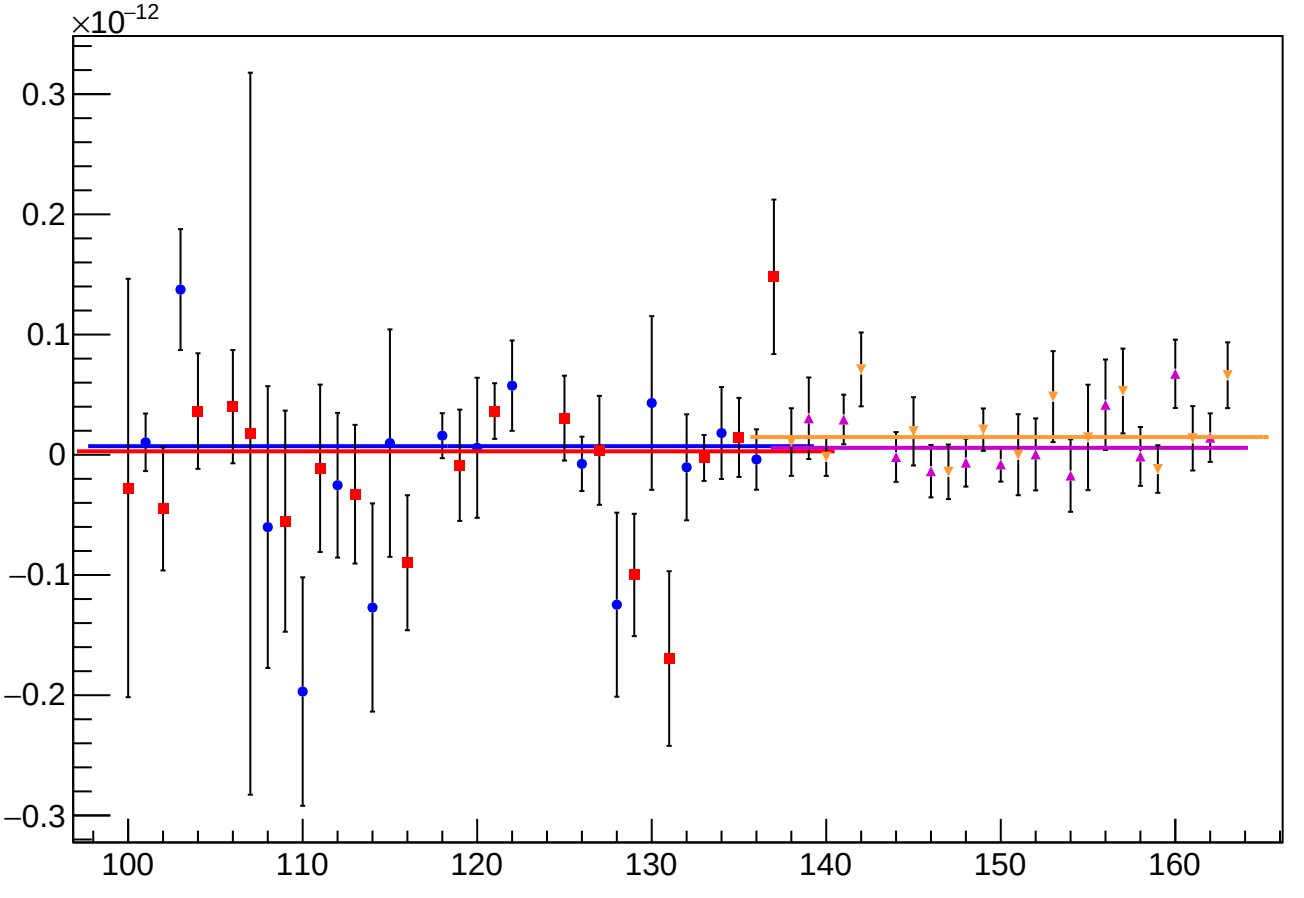
Left: 66.986+/-0.011 χ^2/NDF: 1164282.8/24

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 66.964+/-0.012 χ^2/NDF:1267420.7/27

Out: 67.269+/-0.012 χ^2/NDF:1304726.9/30

All: 67.115+/-0.008 χ^2/NDF: 2572478.5/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/11

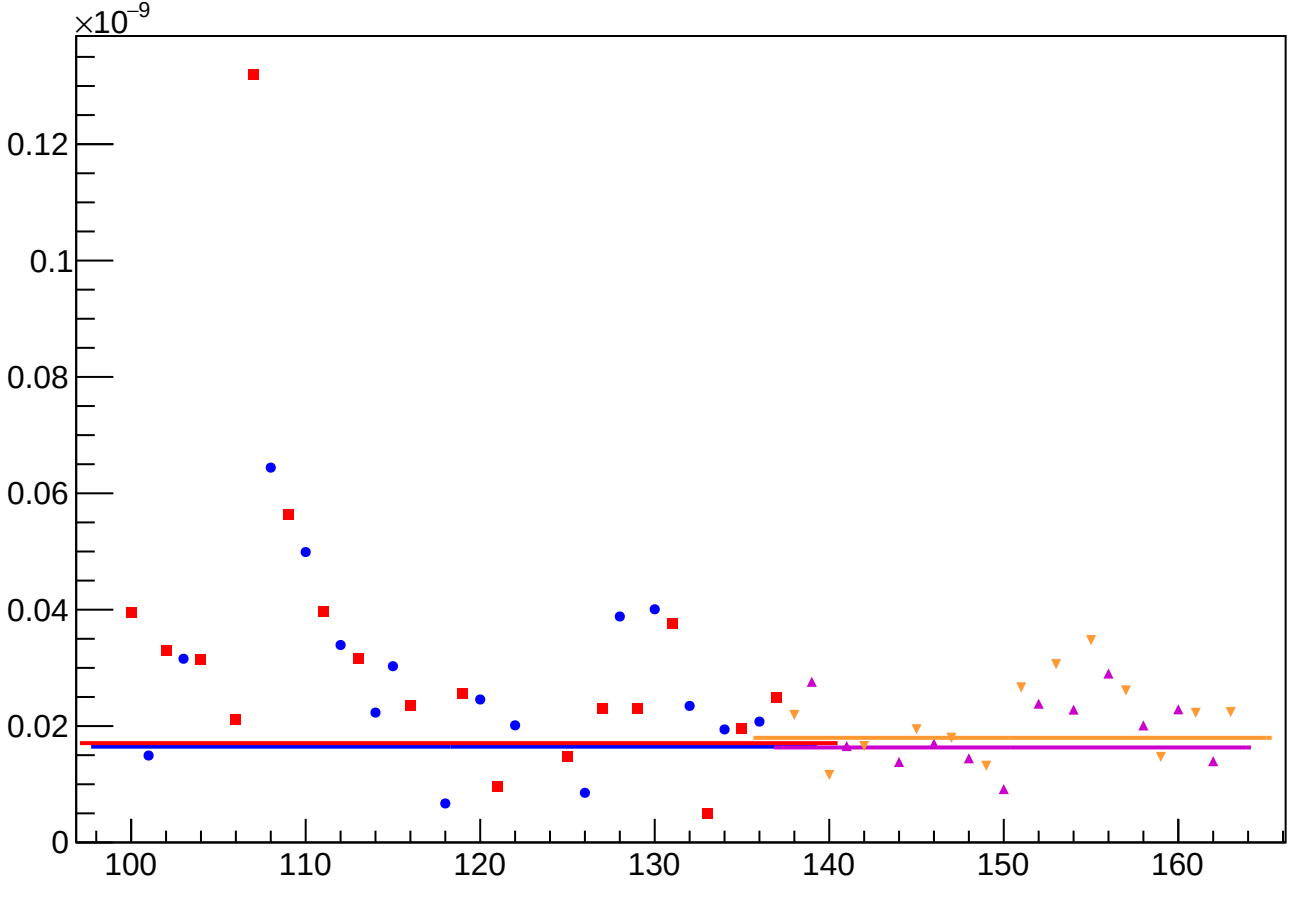
Left: 0.000+/-0.000 χ^2/NDF: 25.1/24

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:31.0/27

Out: 0.000+/-0.000 χ^2/NDF:38.0/30

All: 0.000+/-0.000 χ^2/NDF: 69.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1432643.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1392737.0/11

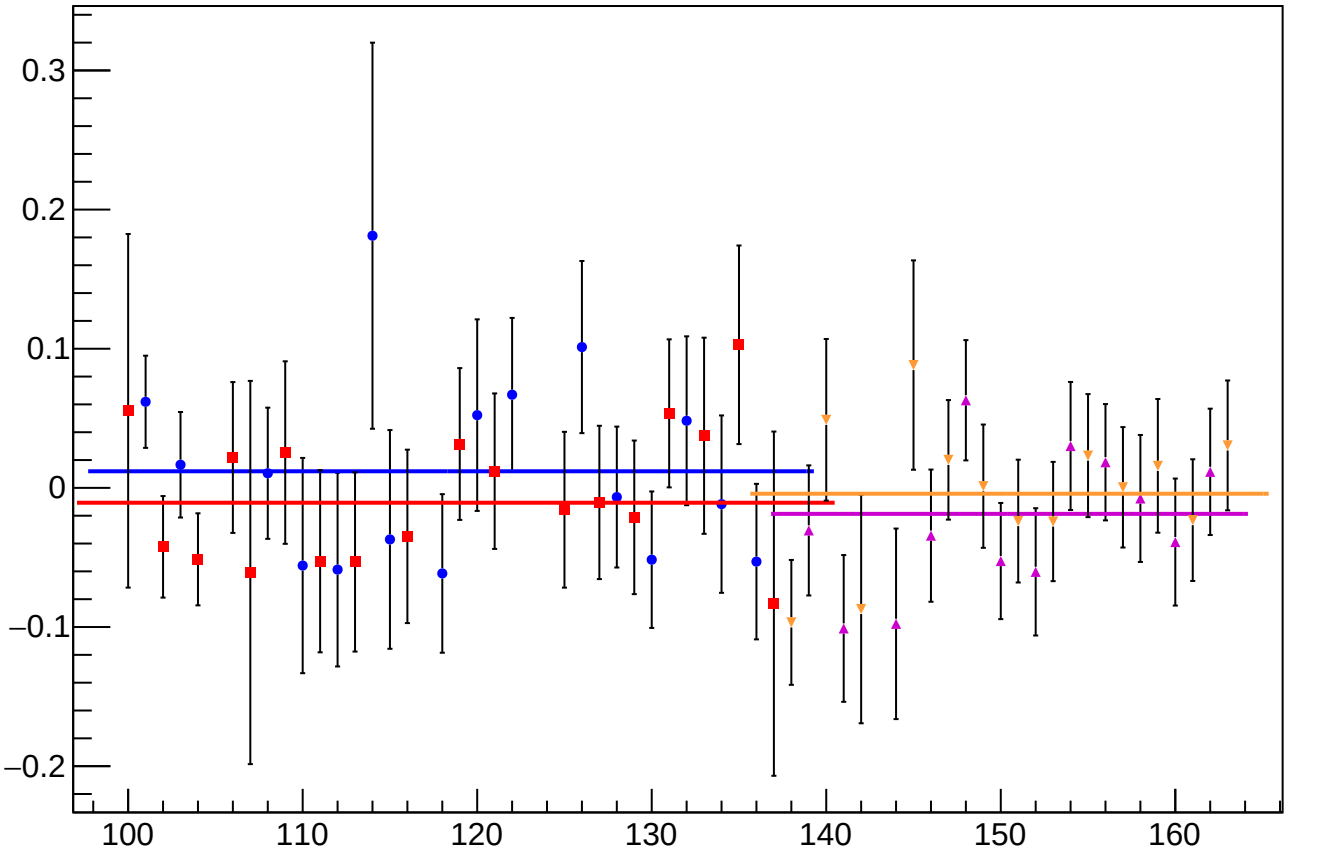
Left: 0.000+/-0.000 χ^2/NDF: 2885772.3/24

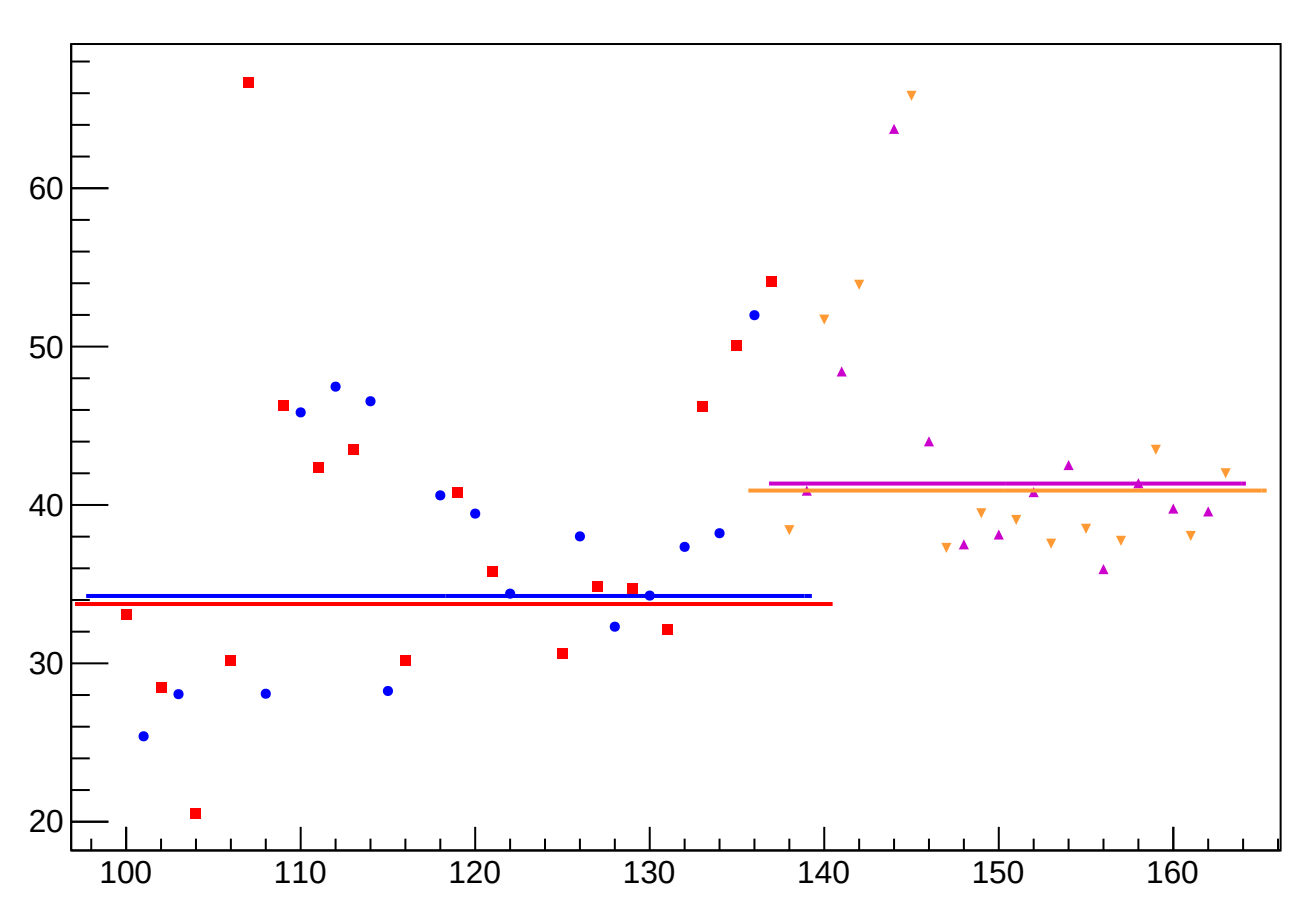
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3738926.6/27

Out: 0.000+/-0.000 χ^2/NDF:4235511.3/30

All: 0.000+/-0.000 χ^2/NDF: 8030921.0/58


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.004+/-0.013 χ²/NDF:9.7/12
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.019+/-0.013 χ²/NDF:11.6/11
Left: -0.011+/-0.009 χ²/NDF: 21.9/24
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.004+/-0.010 χ²/NDF:28.9/27
Out: -0.007+/-0.009 χ²/NDF:19.7/30
All: -0.006+/-0.007 χ²/NDF: 48.7/58



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

Left Out: 40.910+/-0.009 χ^2/NDF:409052.3/12

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.352+/-0.009 χ^2/NDF:324534.4/11

Left: 41.128+/-0.007 χ^2/NDF: 734681.5/24

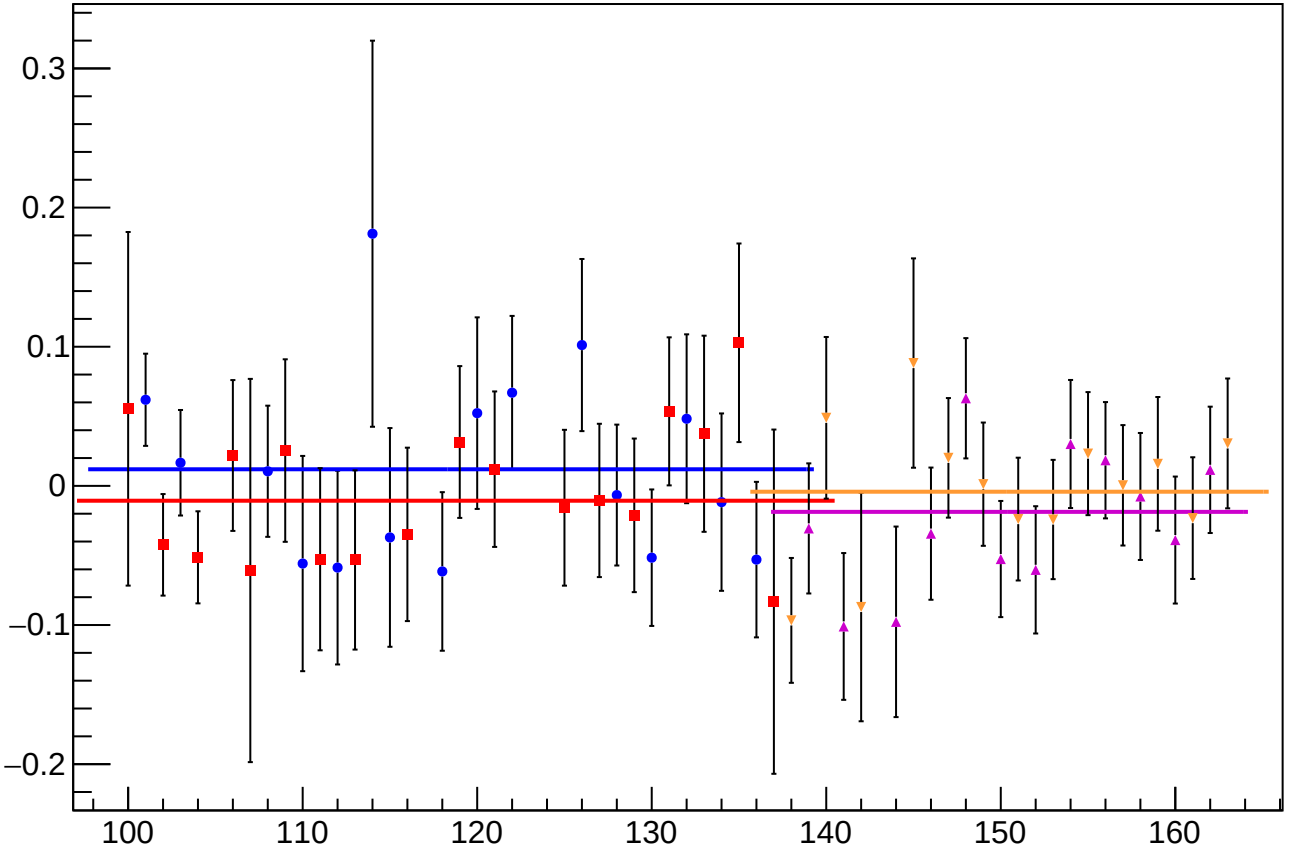
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.853+/-0.007 χ^2/NDF:1236213.8/27

Out: 37.377+/-0.007 χ^2/NDF:1608941.0/30

All: 37.612+/-0.005 χ^2/NDF: 2847664.8/58

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: -0.004+/-0.013 χ^2/NDF:9.7/12

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.019+/-0.013 χ^2/NDF:11.6/11

Left: -0.011+/-0.009 χ^2/NDF: 21.9/24

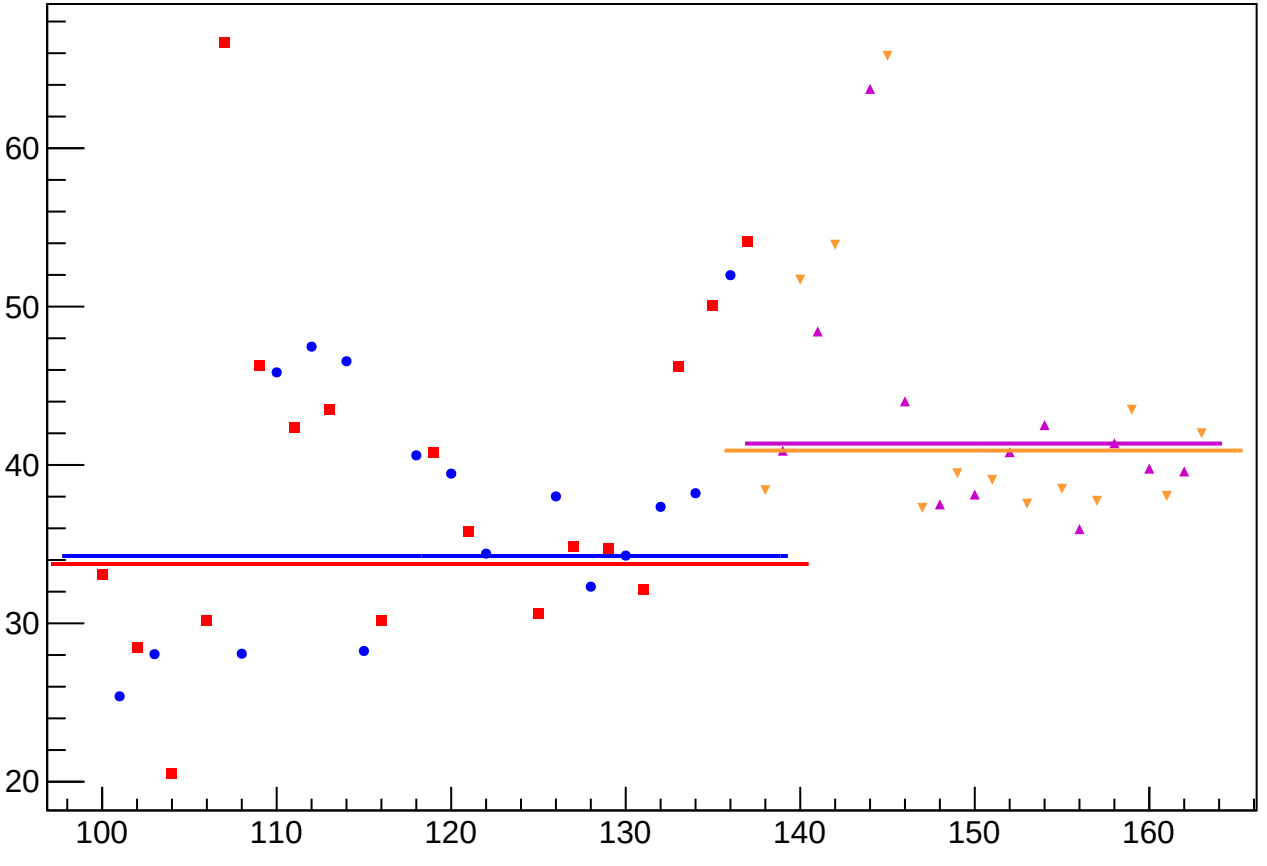
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.004+/-0.010 χ^2/NDF:28.9/27

Out: -0.007+/-0.009 χ^2/NDF:19.7/30

All: -0.006+/-0.007 χ^2/NDF: 48.7/58

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: 40.910+/-0.009 χ^2/NDF:409052.3/12

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 41.352+/-0.009 χ^2/NDF:324534.4/11

Left: 41.128+/-0.007 χ^2/NDF: 734681.5/24

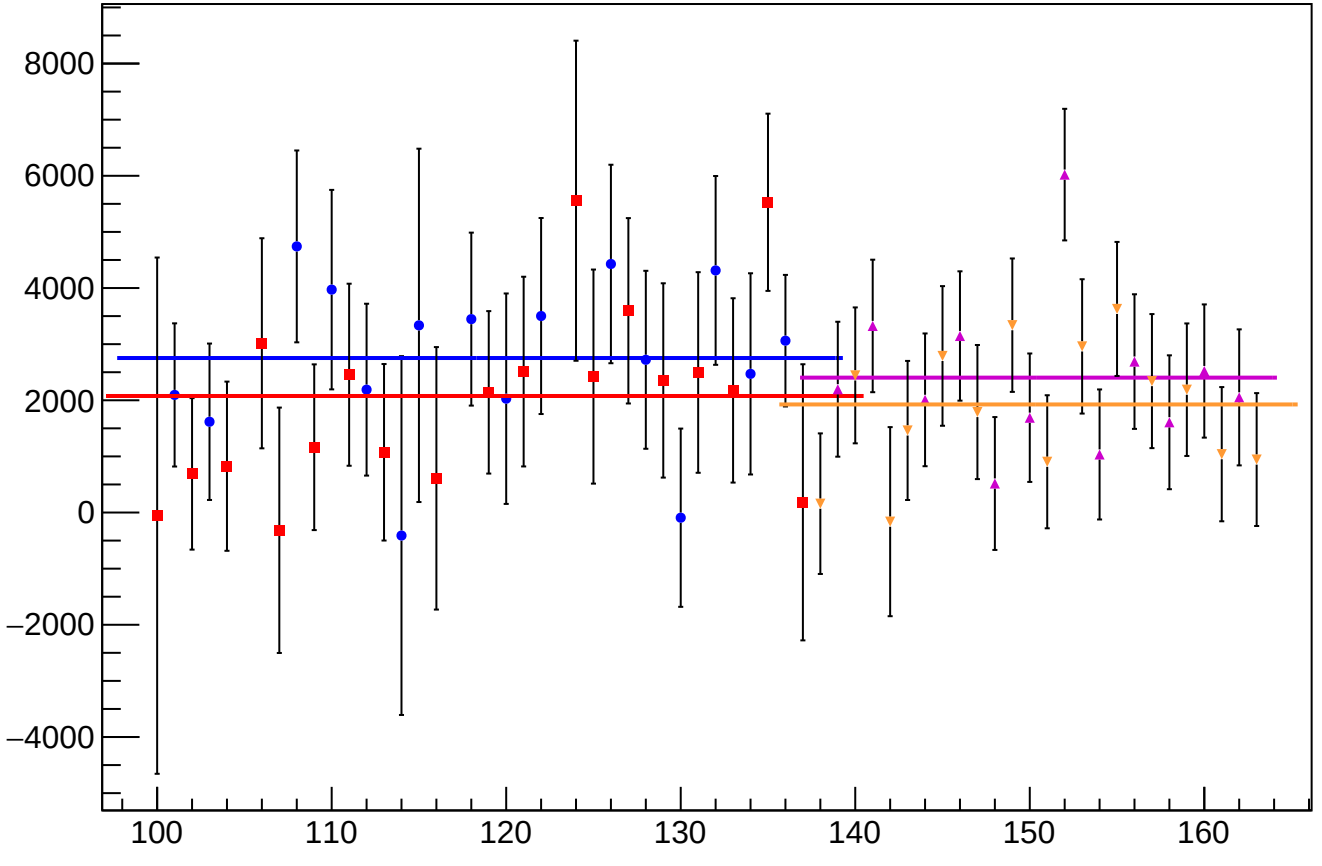
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.853+/-0.007 χ^2/NDF:1236213.8/27

Out: 37.377+/-0.007 χ^2/NDF:1608941.0/30

All: 37.612+/-0.005 χ^2/NDF: 2847664.8/58

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2403.506+/-340.670 χ^2/NDF:15.6/11

Left: 2155.302+/-236.119 χ^2/NDF: 27.3/25

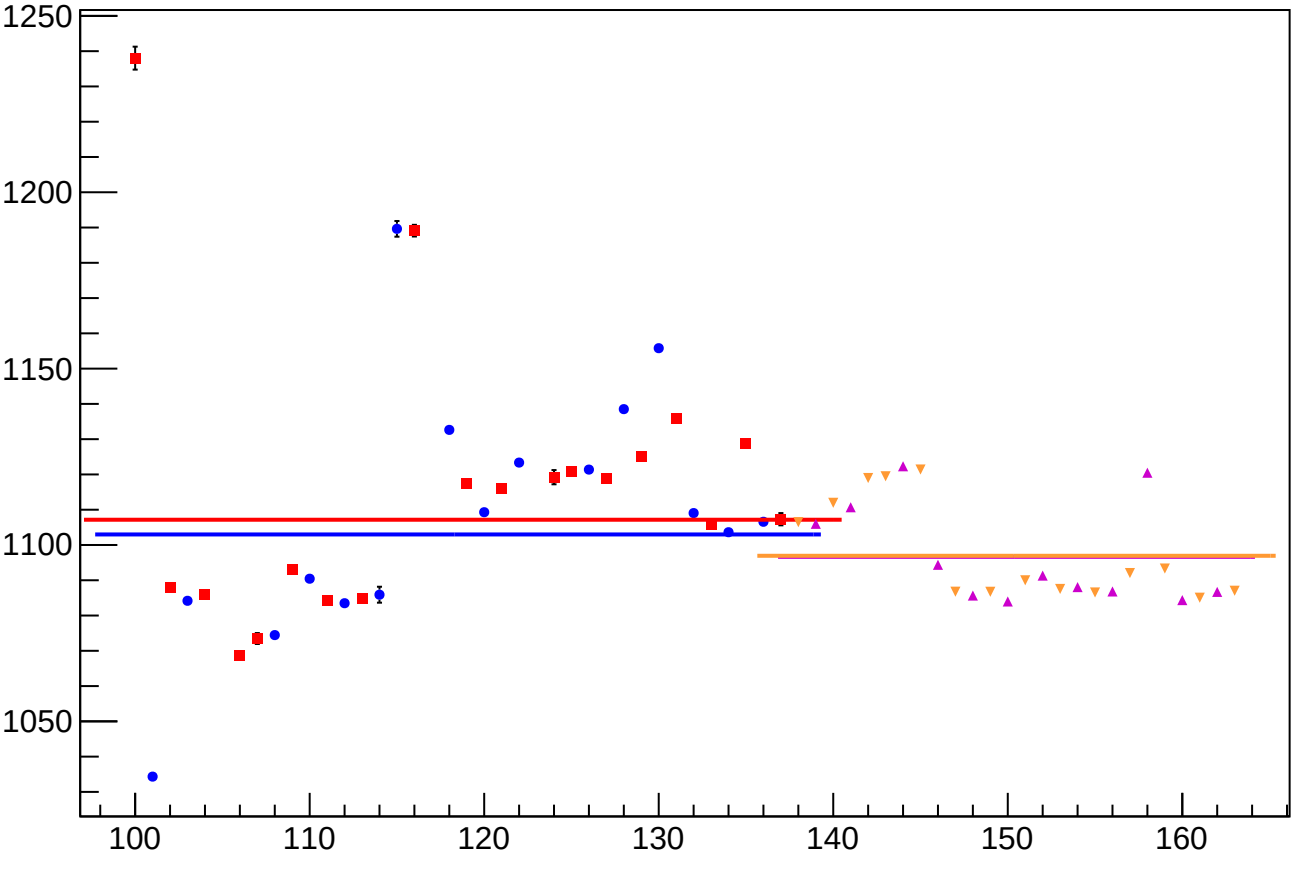
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2546.365+/-261.981 χ^2/NDF:25.5/27

Out: 1985.619+/-254.386 χ^2/NDF:23.3/32

All: 2257.746+/-182.504 χ^2/NDF: 51.2/60

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.634+/-0.241 χ^2/NDF:3203.8/11

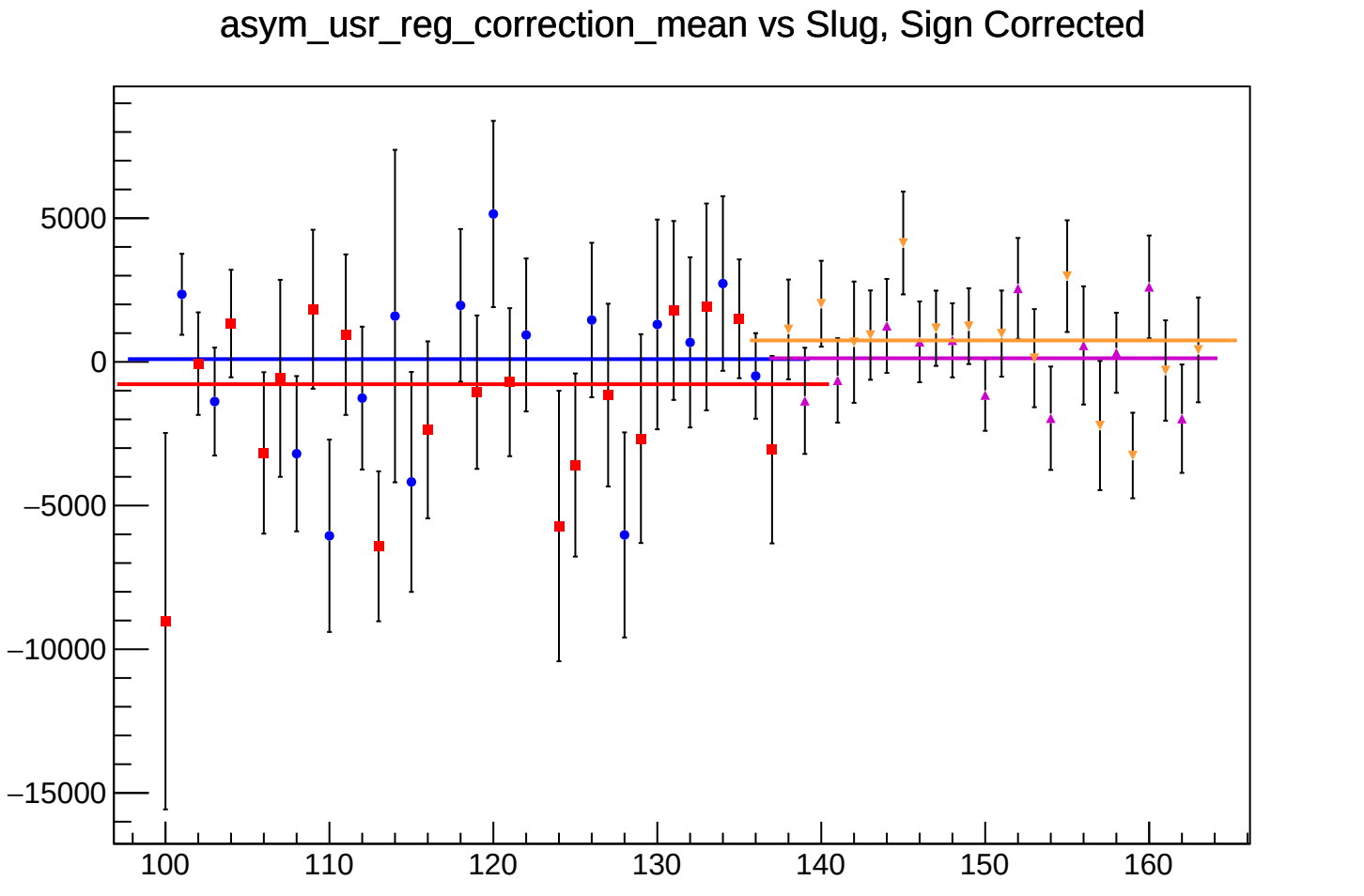
Left: 1096.793+/-0.167 χ^2/NDF: 6432.2/25

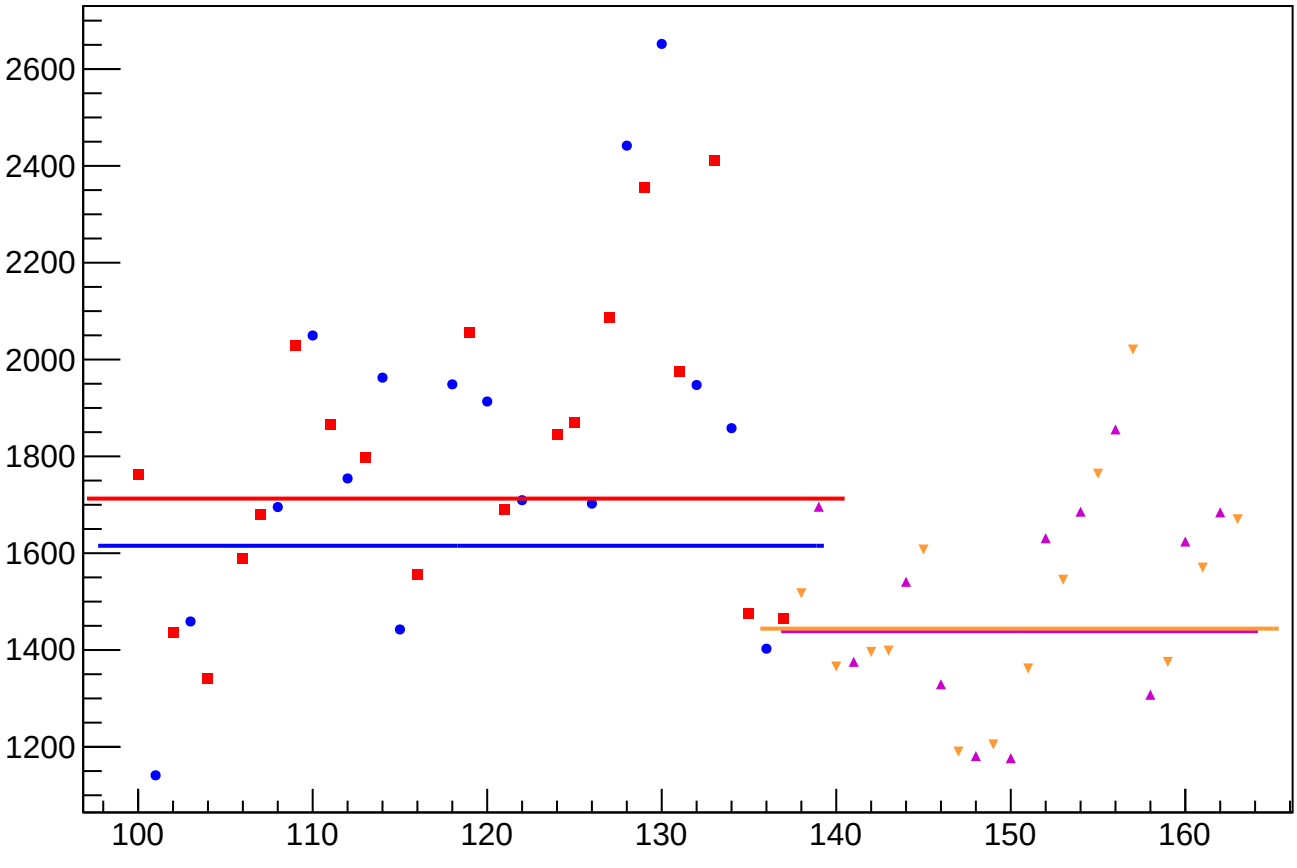
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1099.230+/-0.185 χ^2/NDF:16711.8/27

Out: 1100.996+/-0.180 χ^2/NDF:12683.6/32

All: 1100.139+/-0.129 χ^2/NDF: 29442.2/60


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 746.898+/-437.741 χ²/NDF:15.5/13
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 125.440+/-453.459 χ²/NDF:9.4/11
Left: 447.127+/-314.940 χ²/NDF: 25.8/25
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 115.123+/-365.618 χ²/NDF:26.3/27
Out: 258.060+/-360.763 χ²/NDF:34.4/32
All: 187.547+/-256.797 χ²/NDF: 60.8/60



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

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1438.997+/-0.321 χ^2/NDF:448240.7/11

Left: 1441.690+/-0.223 χ^2/NDF: 861936.5/25

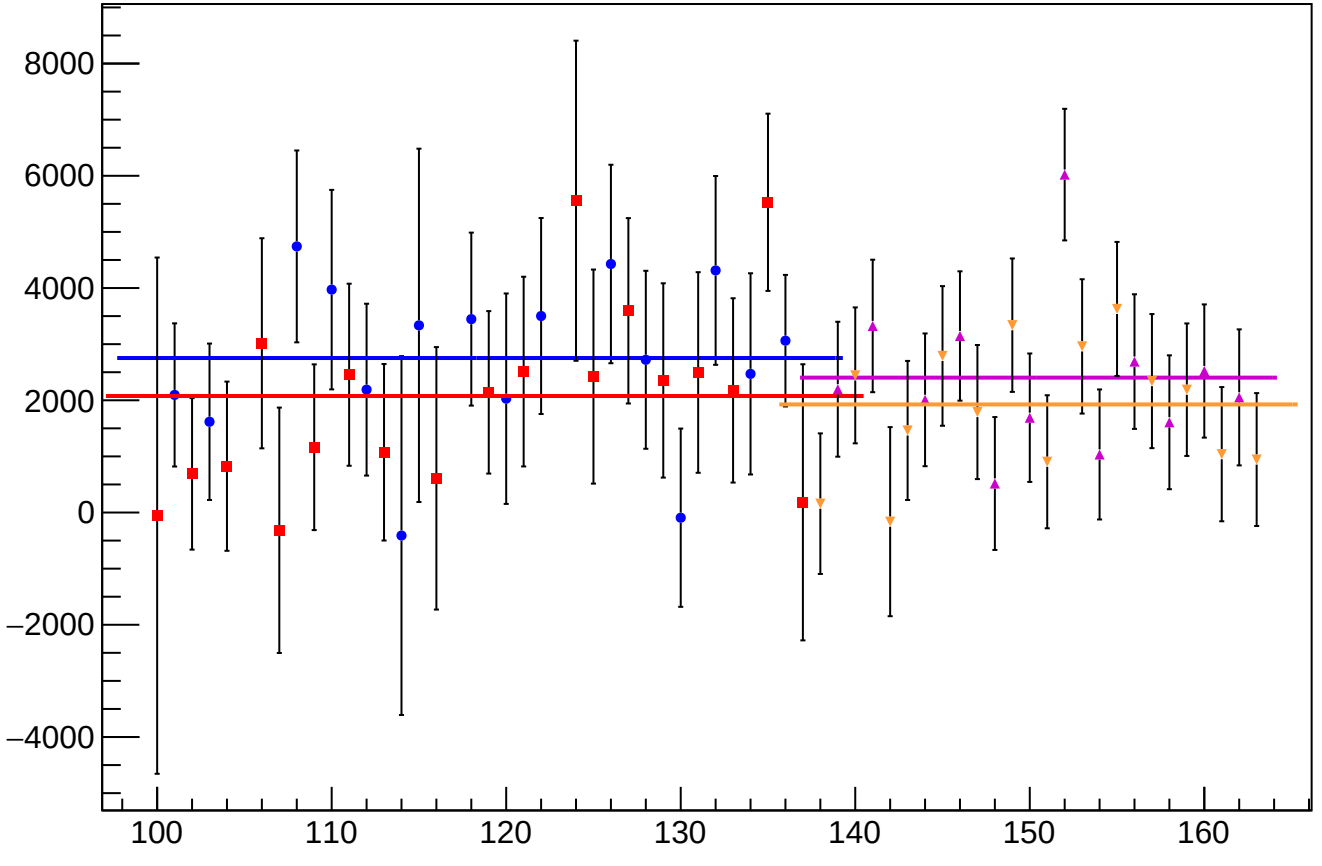
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1500.691+/-0.259 χ^2/NDF:1247672.9/27

Out: 1530.361+/-0.255 χ^2/NDF:1083179.8/32

All: 1515.724+/-0.182 χ^2/NDF: 2337525.9/60

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1925.833+/-327.561 χ^2/NDF:10.7/13

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2403.506+/-340.670 χ^2/NDF:15.6/11

Left: 2155.302+/-236.119 χ^2/NDF: 27.3/25

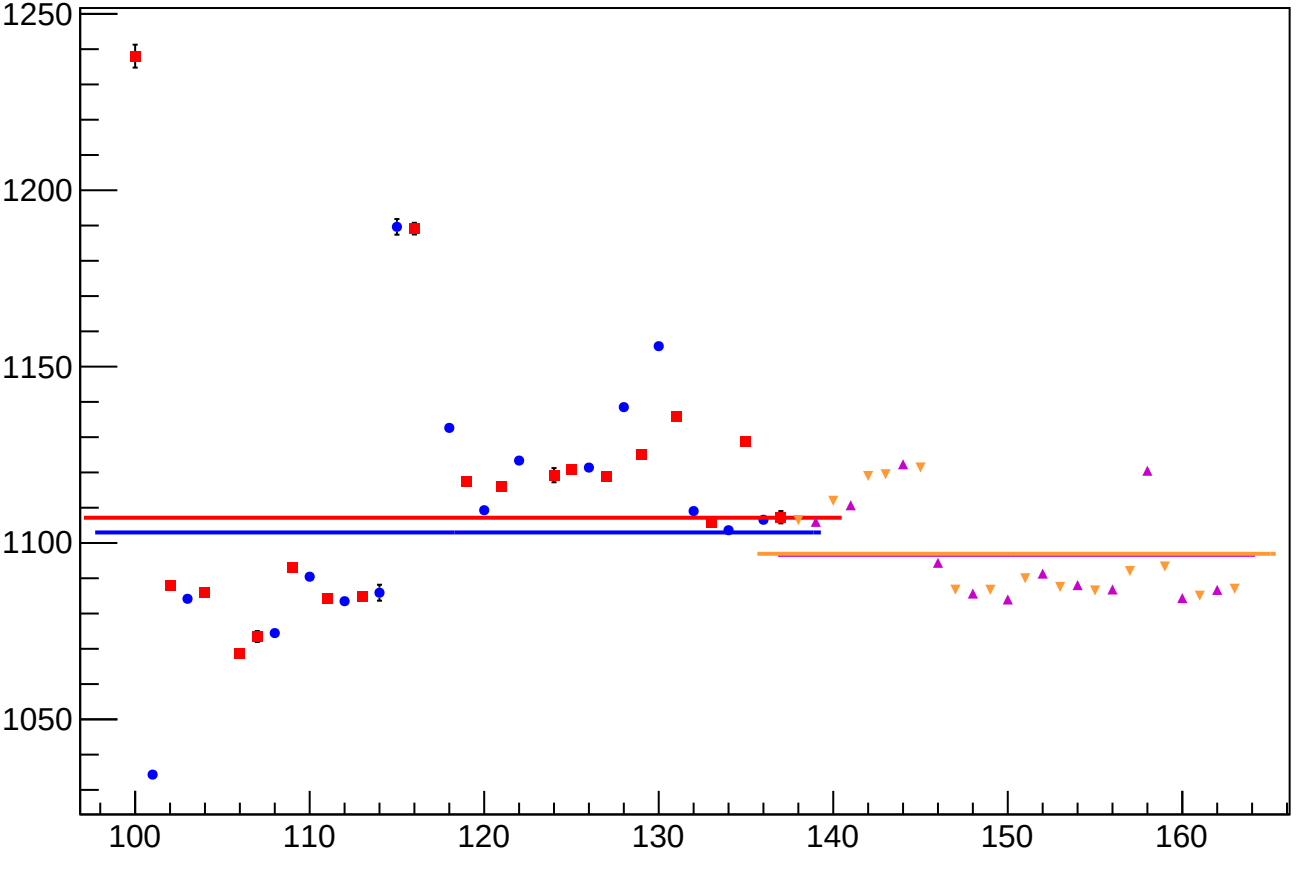
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2546.365+/-261.981 χ^2/NDF:25.5/27

Out: 1985.619+/-254.386 χ^2/NDF:23.3/32

All: 2257.746+/-182.504 χ^2/NDF: 51.2/60

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.634+/-0.241 χ^2/NDF:3203.8/11

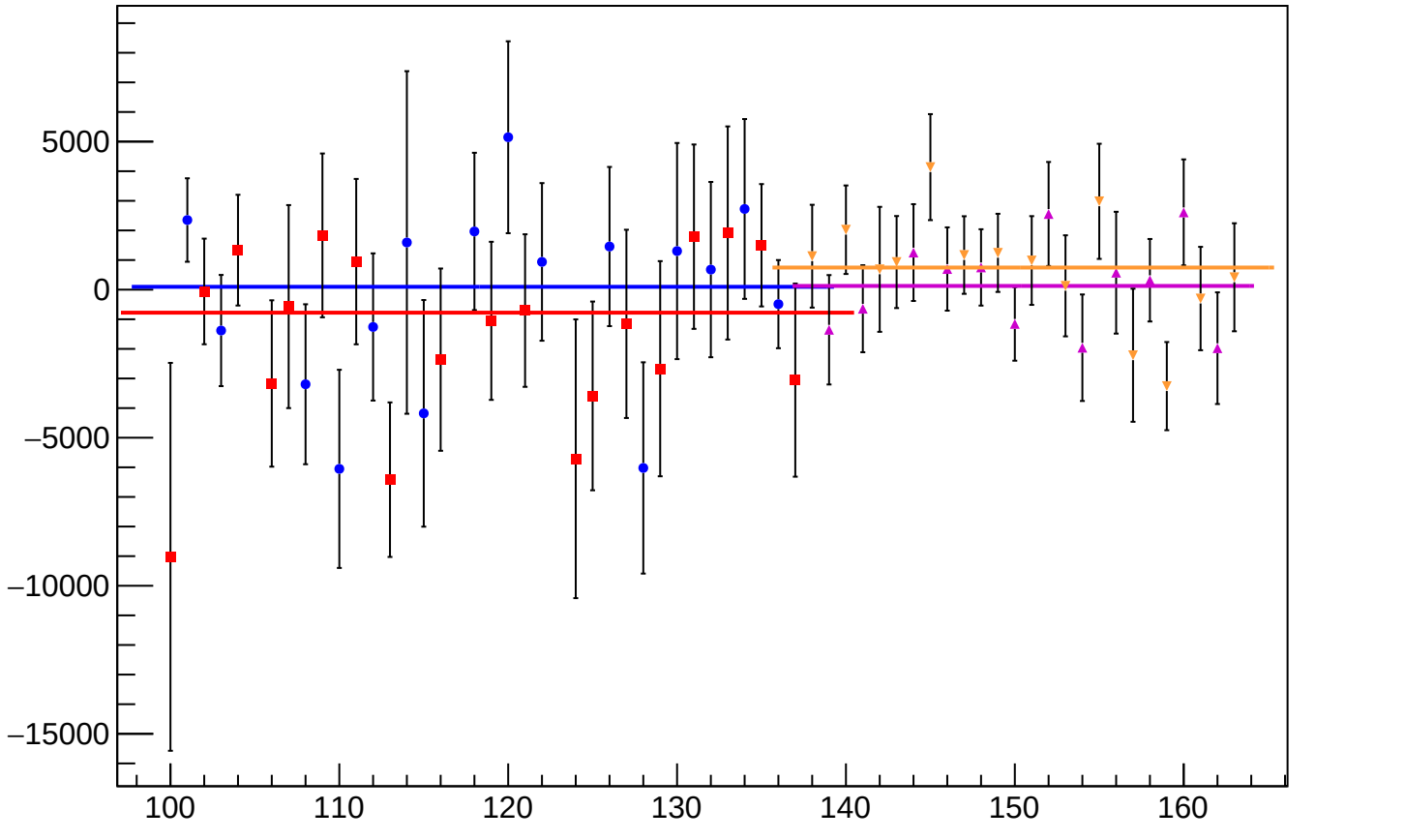
Left: 1096.793+/-0.167 χ^2/NDF: 6432.2/25

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1099.230+/-0.185 χ^2/NDF:16711.8/27

Out: 1100.996+/-0.180 χ^2/NDF:12683.6/32

All: 1100.139+/-0.129 χ^2/NDF: 29442.2/60



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

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 125.440+/-453.459 χ^2/NDF:9.4/11

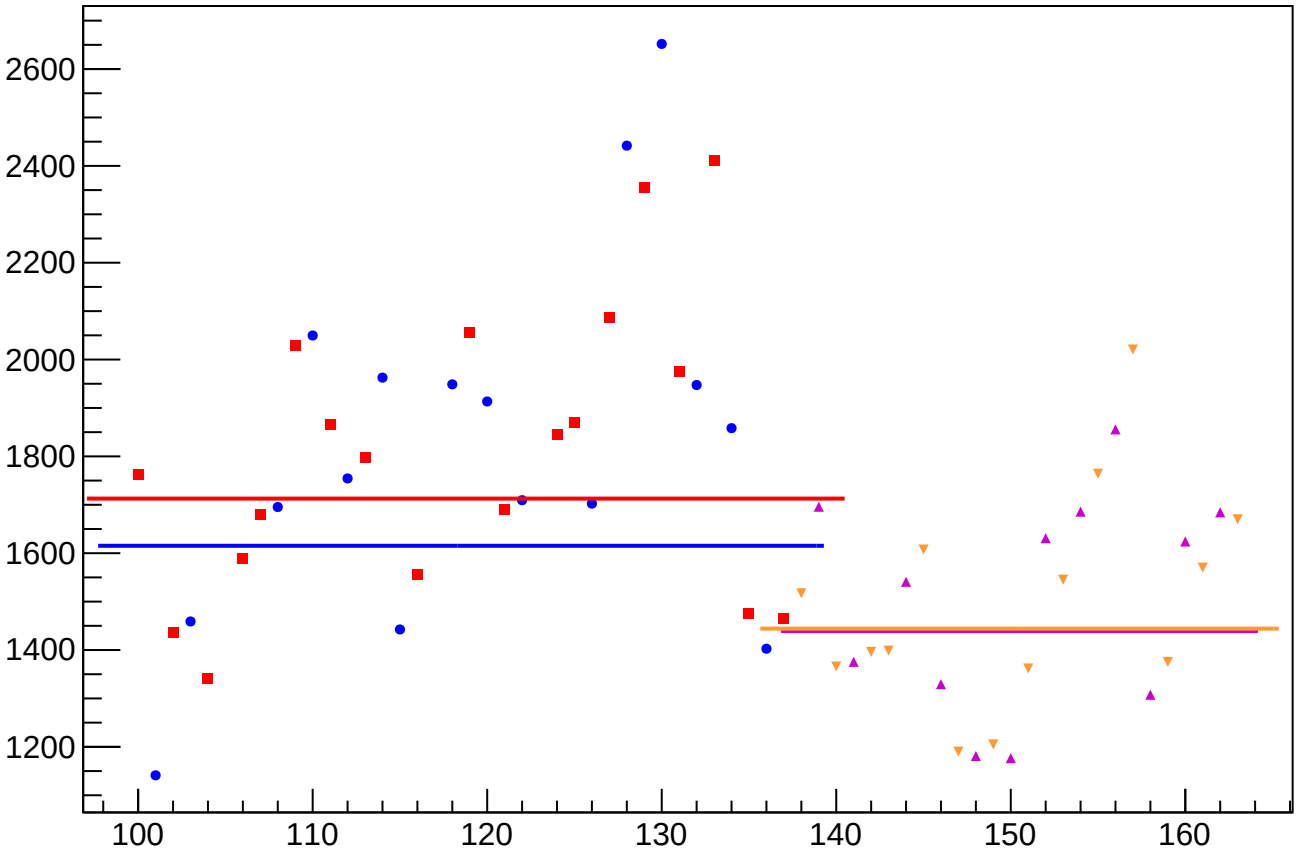
Left: 447.127+/-314.940 χ^2/NDF: 25.8/25

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 115.123+/-365.618 χ^2/NDF:26.3/27

Out: 258.060+/-360.763 χ^2/NDF:34.4/32

All: 187.547+/-256.797 χ^2/NDF: 60.8/60



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

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1438.997+/-0.321 χ^2/NDF:448240.7/11

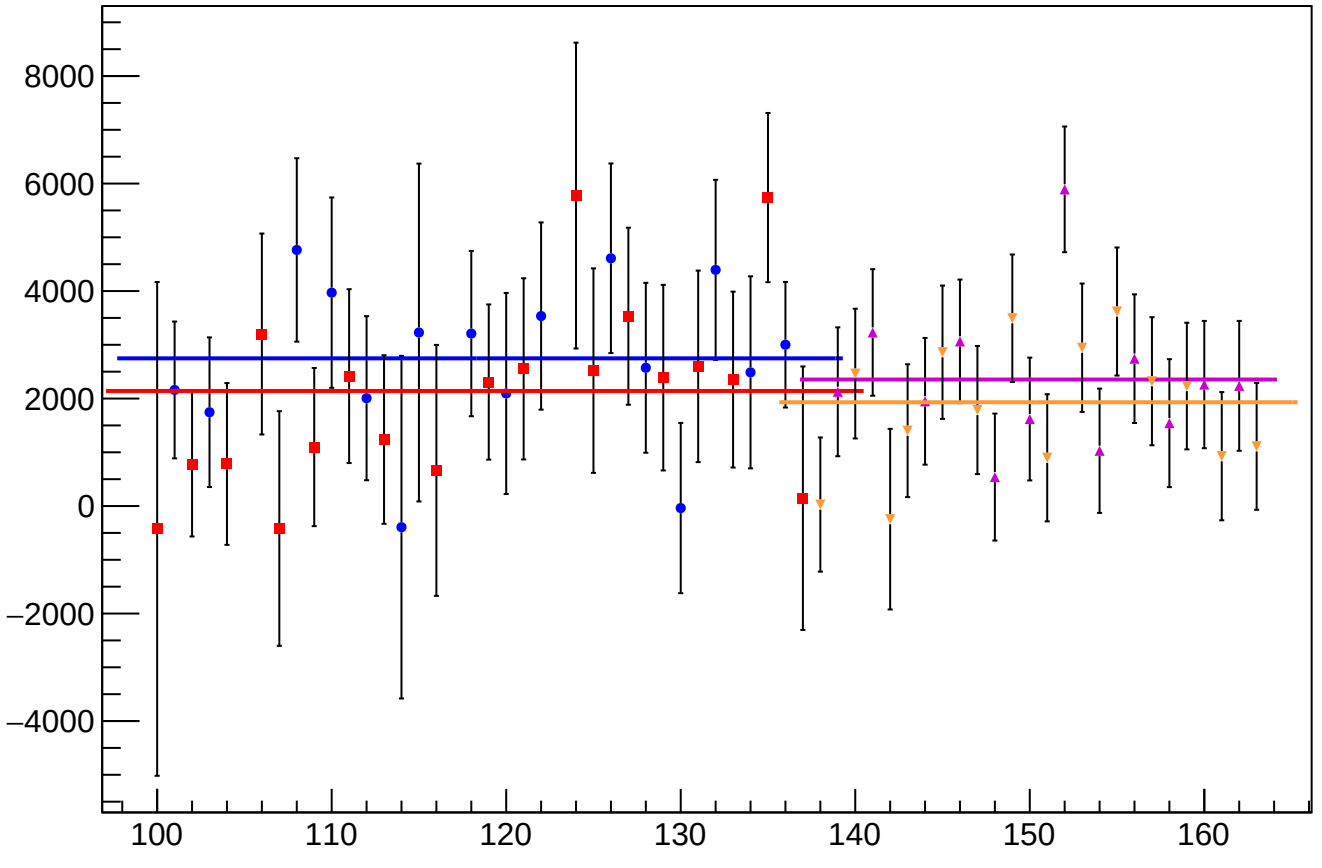
Left: 1441.690+/-0.223 χ^2/NDF: 861936.5/25

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1500.691+/-0.259 χ^2/NDF:1247672.9/27

Out: 1530.361+/-0.255 χ^2/NDF:1083179.8/32

All: 1515.724+/-0.182 χ^2/NDF: 2337525.9/60



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

Left Out: 1931.453+/-326.712 χ^2/NDF:11.6/13

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2354.029+/-339.837 χ^2/NDF:14.9/11

Left: 2134.424+/-235.524 χ^2/NDF: 27.3/25

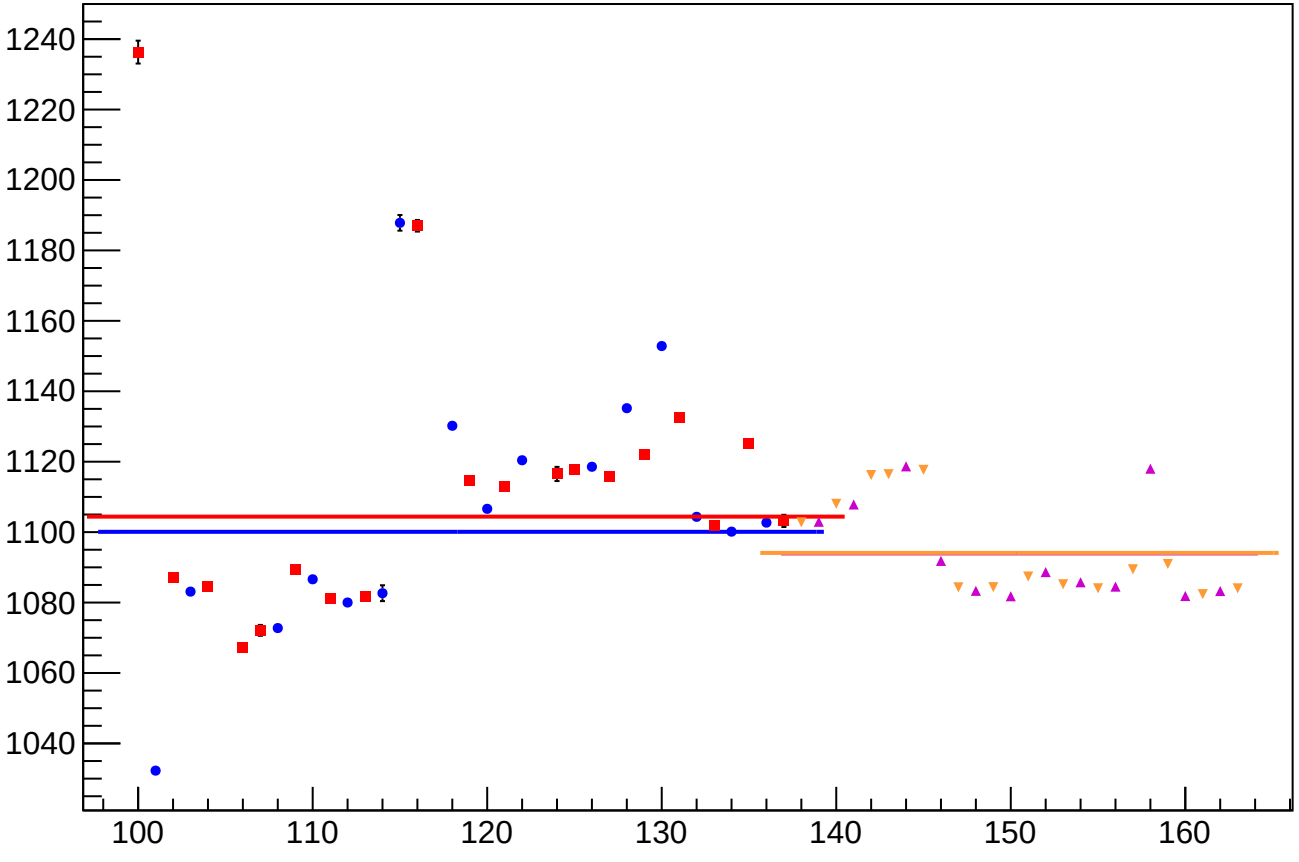
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2515.022+/-261.320 χ^2/NDF:25.0/27

Out: 2014.676+/-253.737 χ^2/NDF:25.3/32

All: 2257.484+/-182.041 χ^2/NDF: 52.1/60

overload_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1094.104+/-0.231 χ^2/NDF:3057.0/13

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1093.953+/-0.240 χ^2/NDF:3114.0/11

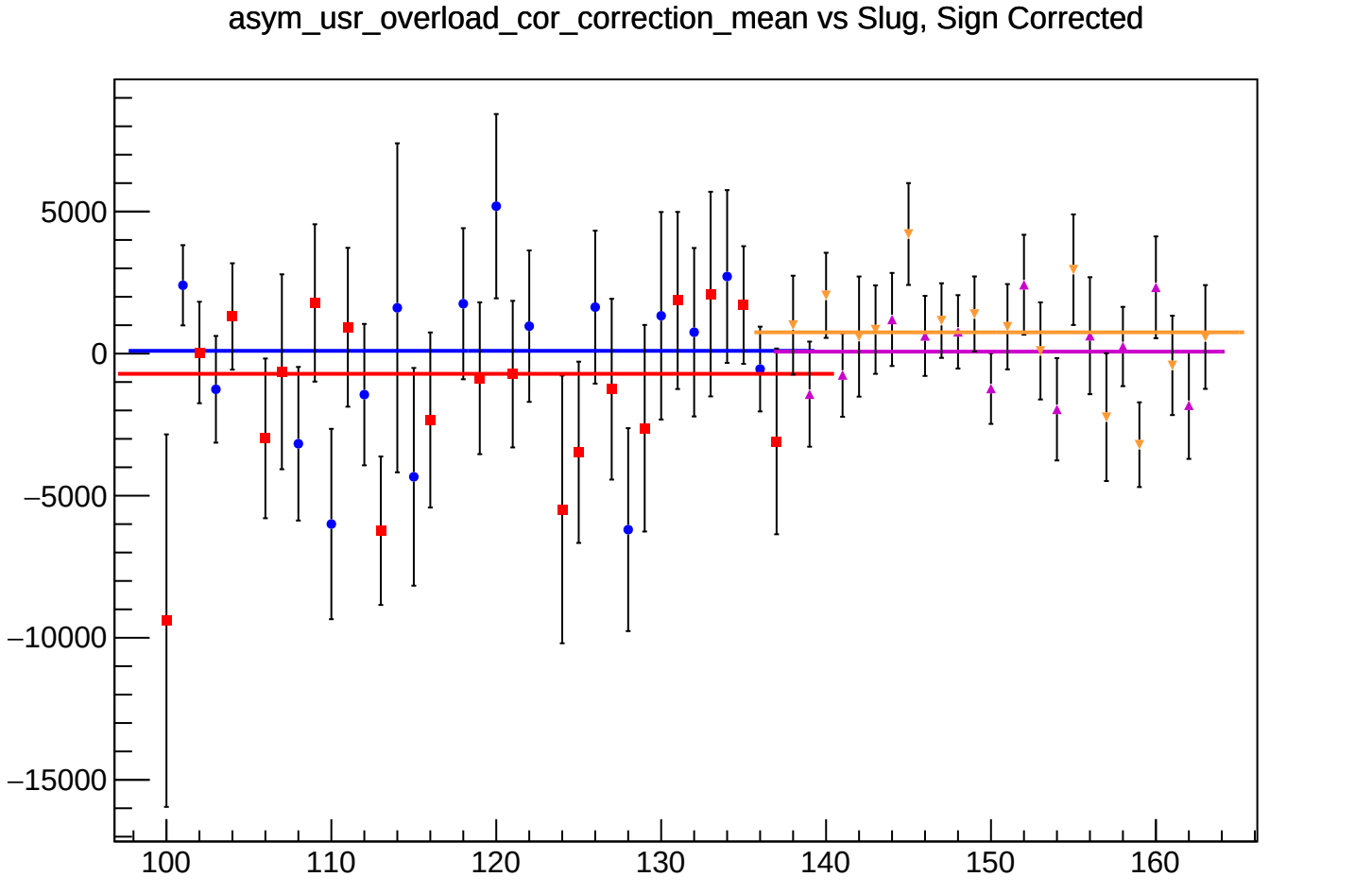
Left: 1094.031+/-0.167 χ^2/NDF: 6171.2/25

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1096.461+/-0.185 χ^2/NDF:16457.8/27

Out: 1098.191+/-0.179 χ^2/NDF:12389.2/32

All: 1097.351+/-0.129 χ^2/NDF: 28892.1/60



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

Left Out: 749.701+/-438.424 χ^2/NDF:15.5/13

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 70.305+/-454.122 χ^2/NDF:8.7/11

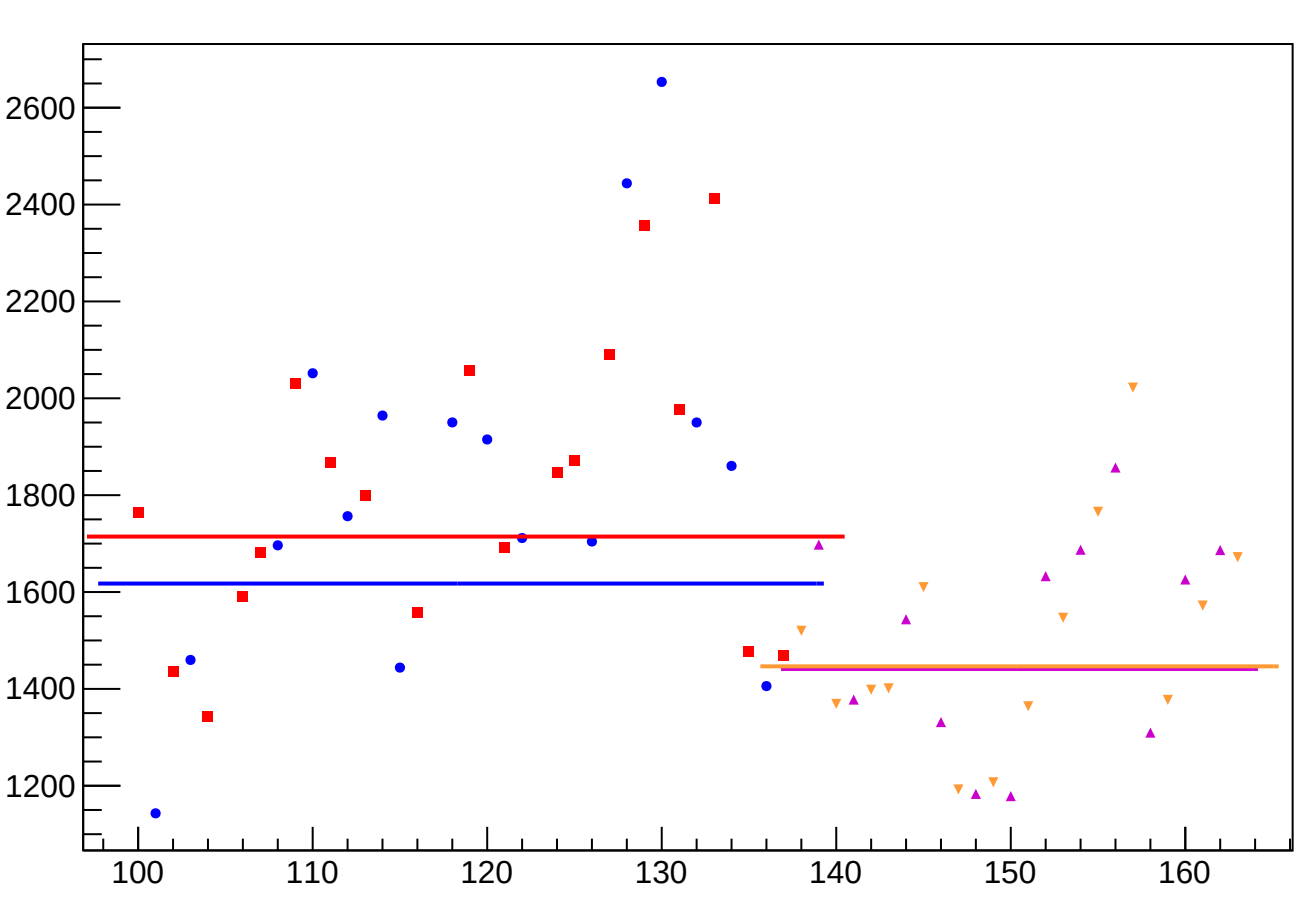
Left: 421.948+/-315.416 χ^2/NDF: 25.4/25

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

In: 79.800+/-366.127 χ^2/NDF:26.0/27

Out: 280.669+/-361.258 χ^2/NDF:34.0/32

All: 181.579+/-257.152 χ^2/NDF: 60.2/60



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

Left Out: 1446.544+/-0.310 χ^2/NDF:411818.4/13

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1441.182+/-0.321 χ^2/NDF:446500.7/11

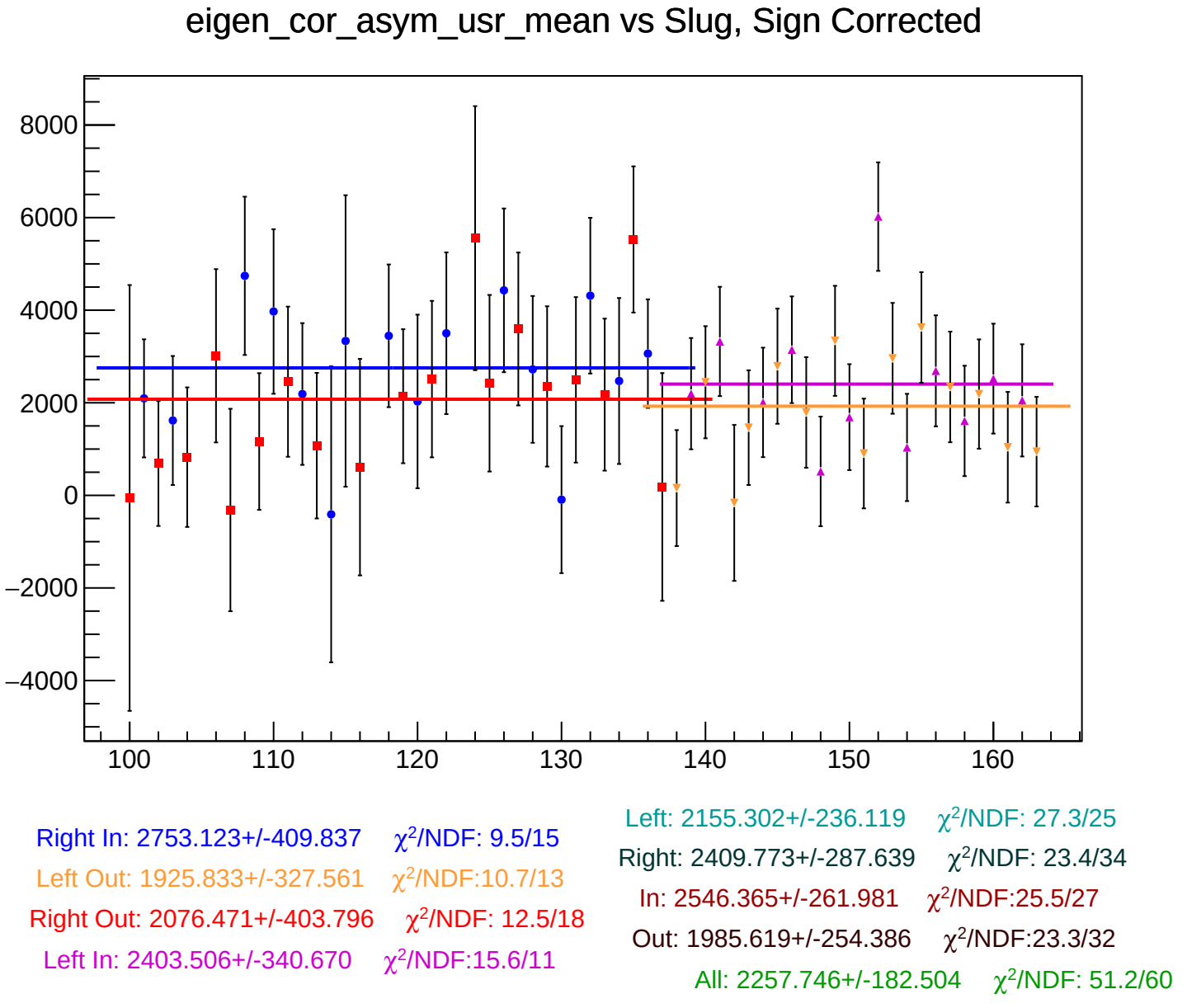
Left: 1443.957+/-0.223 χ^2/NDF: 858463.5/25

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

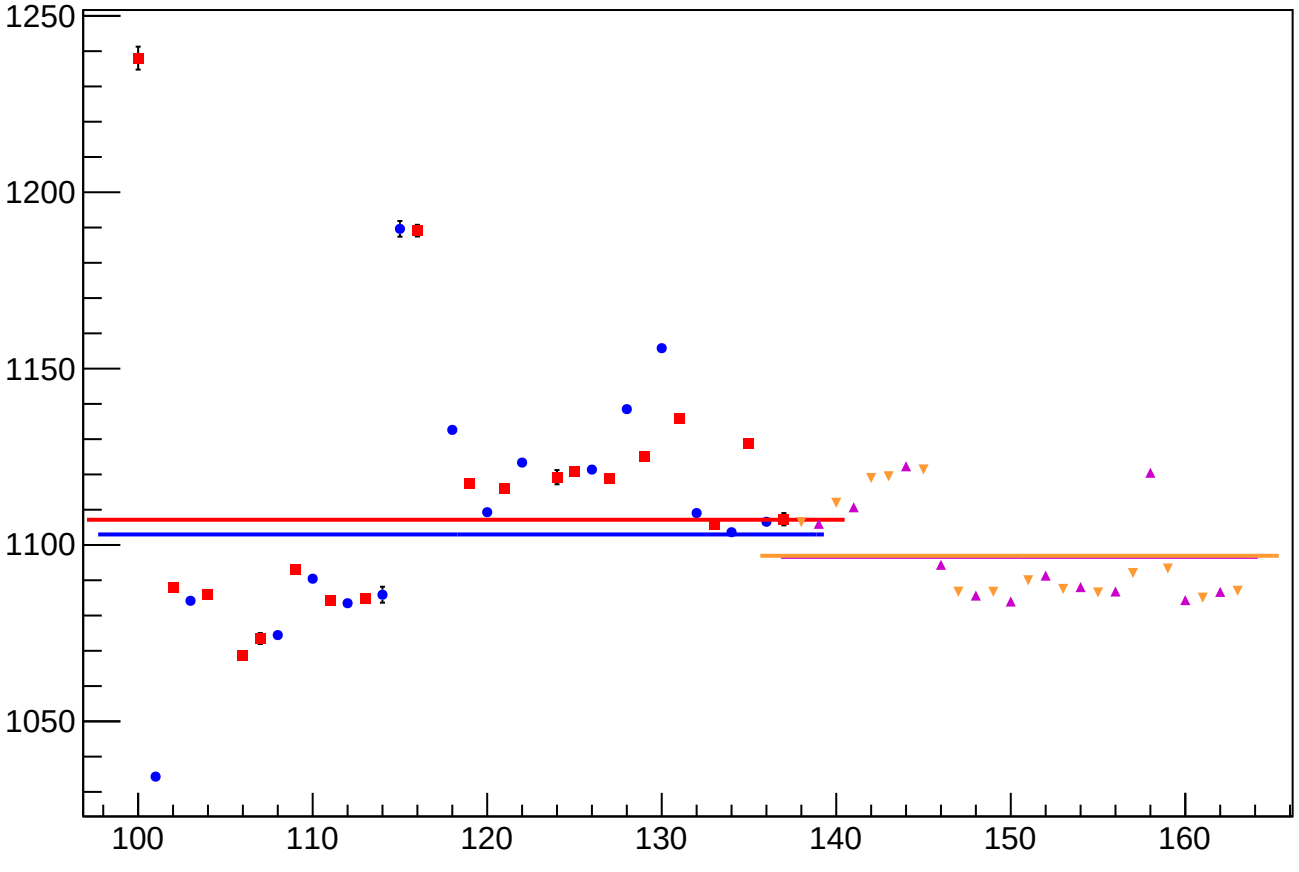
In: 1502.888+/-0.259 χ^2/NDF:1243735.9/27

Out: 1532.570+/-0.255 χ^2/NDF:1079383.1/32

All: 1517.928+/-0.182 χ^2/NDF: 2329779.4/60


eigen_cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 2753.123+/-409.837 χ²/NDF: 9.5/15
Left Out: 1925.833+/-327.561 χ²/NDF:10.7/13
Right Out: 2076.471+/-403.796 χ²/NDF: 12.5/18
Left In: 2403.506+/-340.670 χ²/NDF:15.6/11
Left: 2155.302+/-236.119 χ²/NDF: 27.3/25
Right: 2409.773+/-287.639 χ²/NDF: 23.4/34
In: 2546.365+/-261.981 χ²/NDF:25.5/27
Out: 1985.619+/-254.386 χ²/NDF:23.3/32
All: 2257.746+/-182.504 χ²/NDF: 51.2/60

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1096.940+/-0.232 χ^2/NDF:3227.7/13

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1096.634+/-0.241 χ^2/NDF:3203.8/11

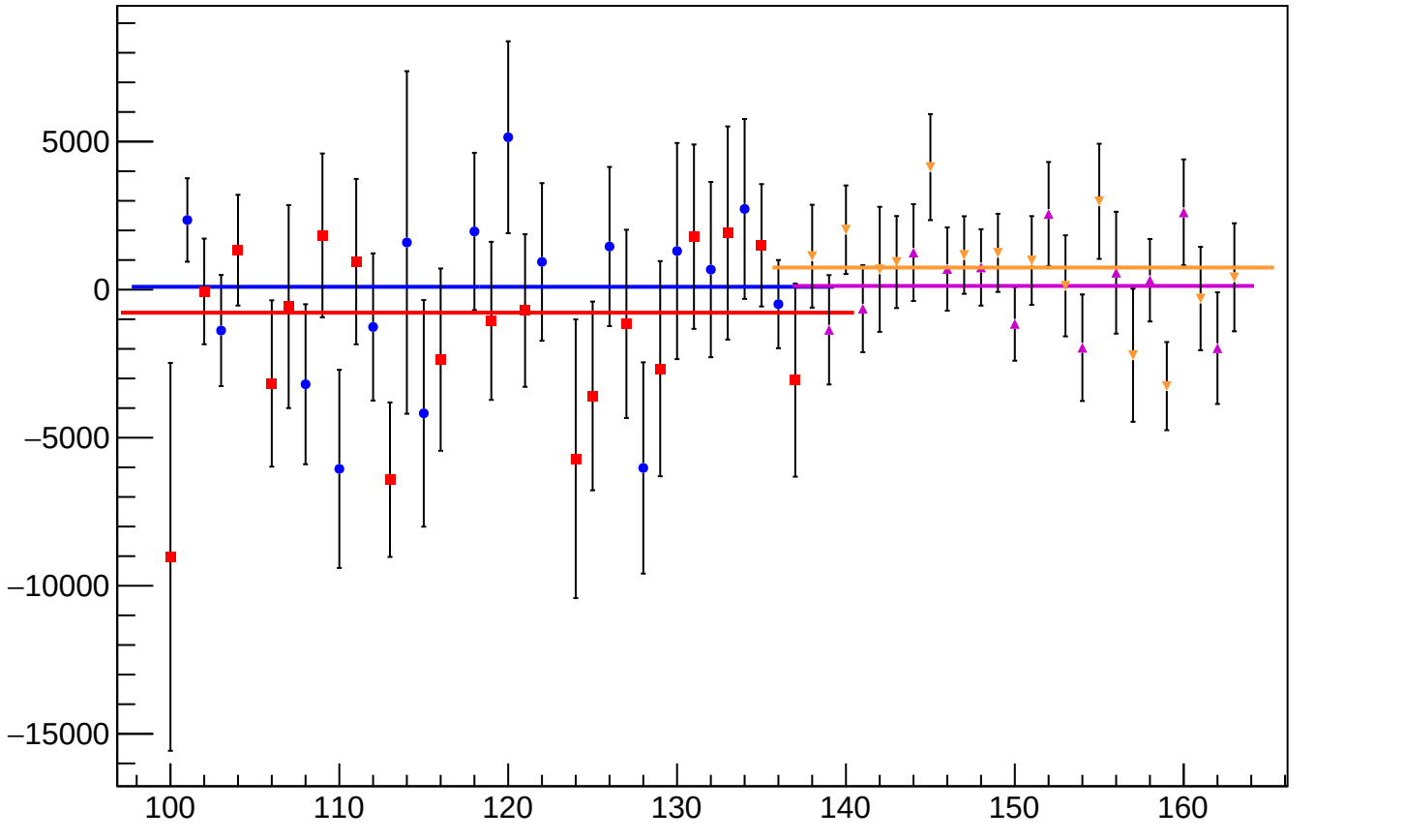
Left: 1096.793+/-0.167 χ^2/NDF: 6432.2/25

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1099.230+/-0.185 χ^2/NDF:16711.8/27

Out: 1100.996+/-0.180 χ^2/NDF:12683.6/32

All: 1100.139+/-0.129 χ^2/NDF: 29442.2/60



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

Left Out: 746.898+/-437.741 χ^2/NDF:15.5/13

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 125.440+/-453.459 χ^2/NDF:9.4/11

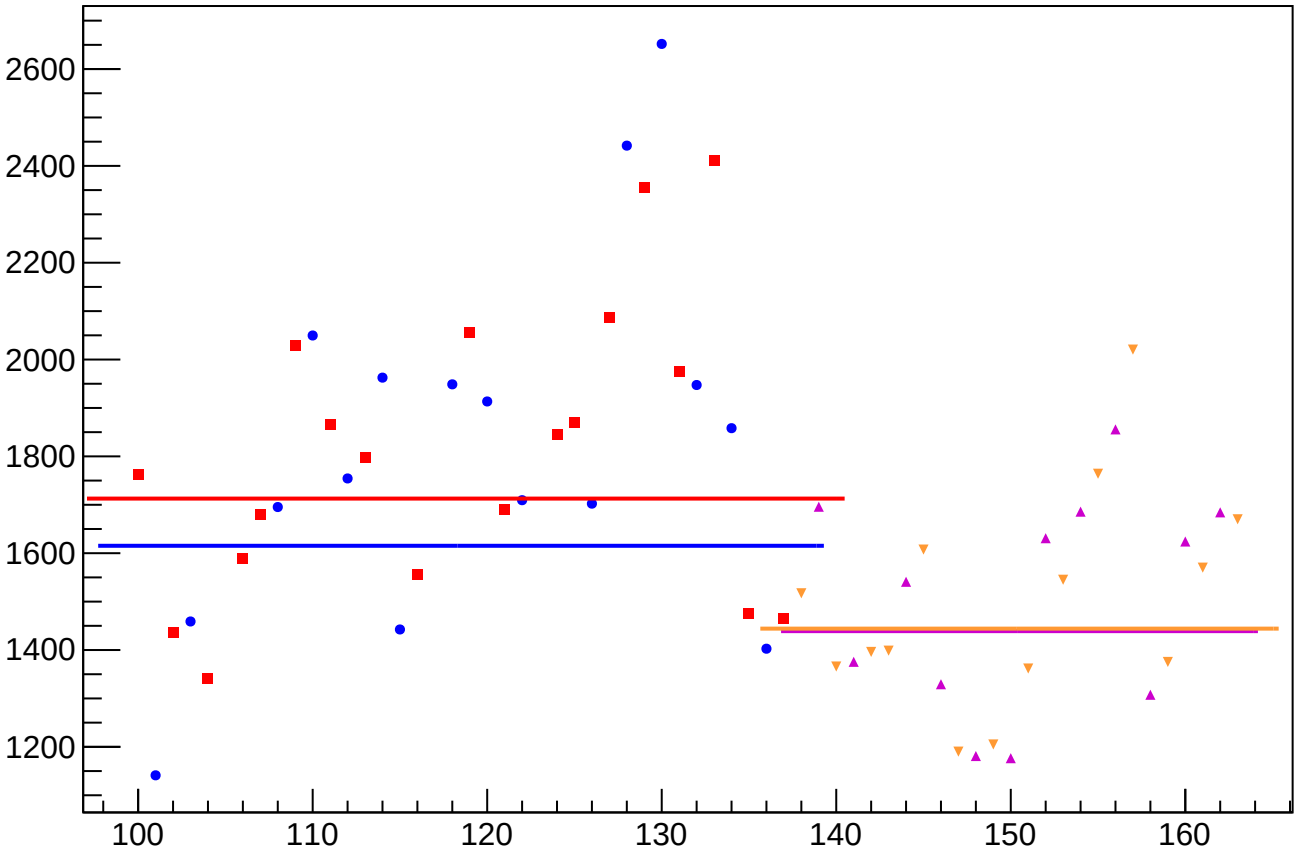
Left: 447.127+/-314.940 χ^2/NDF: 25.8/25

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 115.123+/-365.618 χ^2/NDF:26.3/27

Out: 258.060+/-360.763 χ^2/NDF:34.4/32

All: 187.547+/-256.797 χ^2/NDF: 60.8/60



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

Left Out: 1444.199+/-0.310 χ^2/NDF:413559.6/13

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1438.997+/-0.321 χ^2/NDF:448240.7/11

Left: 1441.690+/-0.223 χ^2/NDF: 861936.5/25

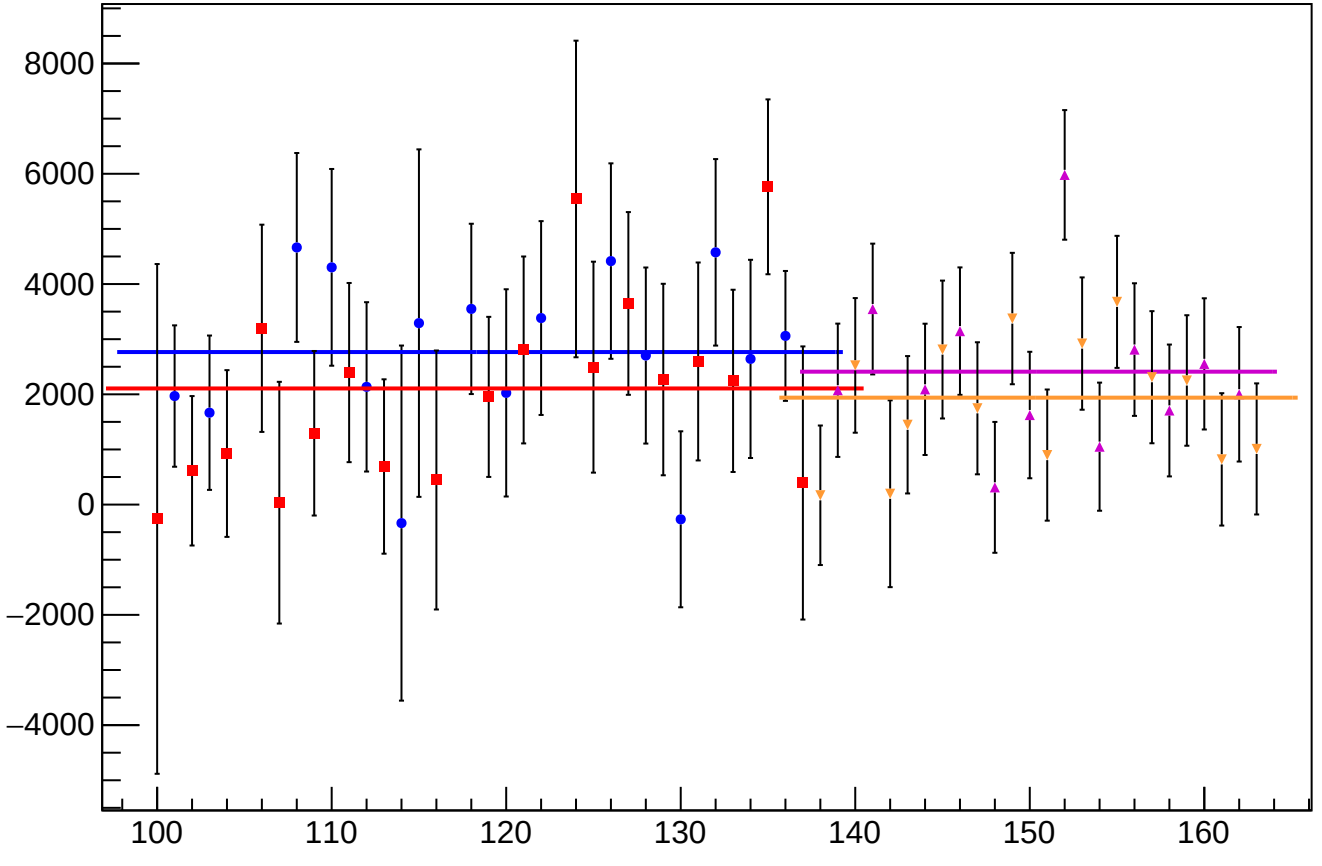
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1500.691+/-0.259 χ^2/NDF:1247672.9/27

Out: 1530.361+/-0.255 χ^2/NDF:1083179.8/32

All: 1515.724+/-0.182 χ^2/NDF: 2337525.9/60

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1939.398+/-328.966 χ^2/NDF:10.6/13

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2410.554+/-341.919 χ^2/NDF:16.2/11

Left: 2165.883+/-237.061 χ^2/NDF: 27.8/25

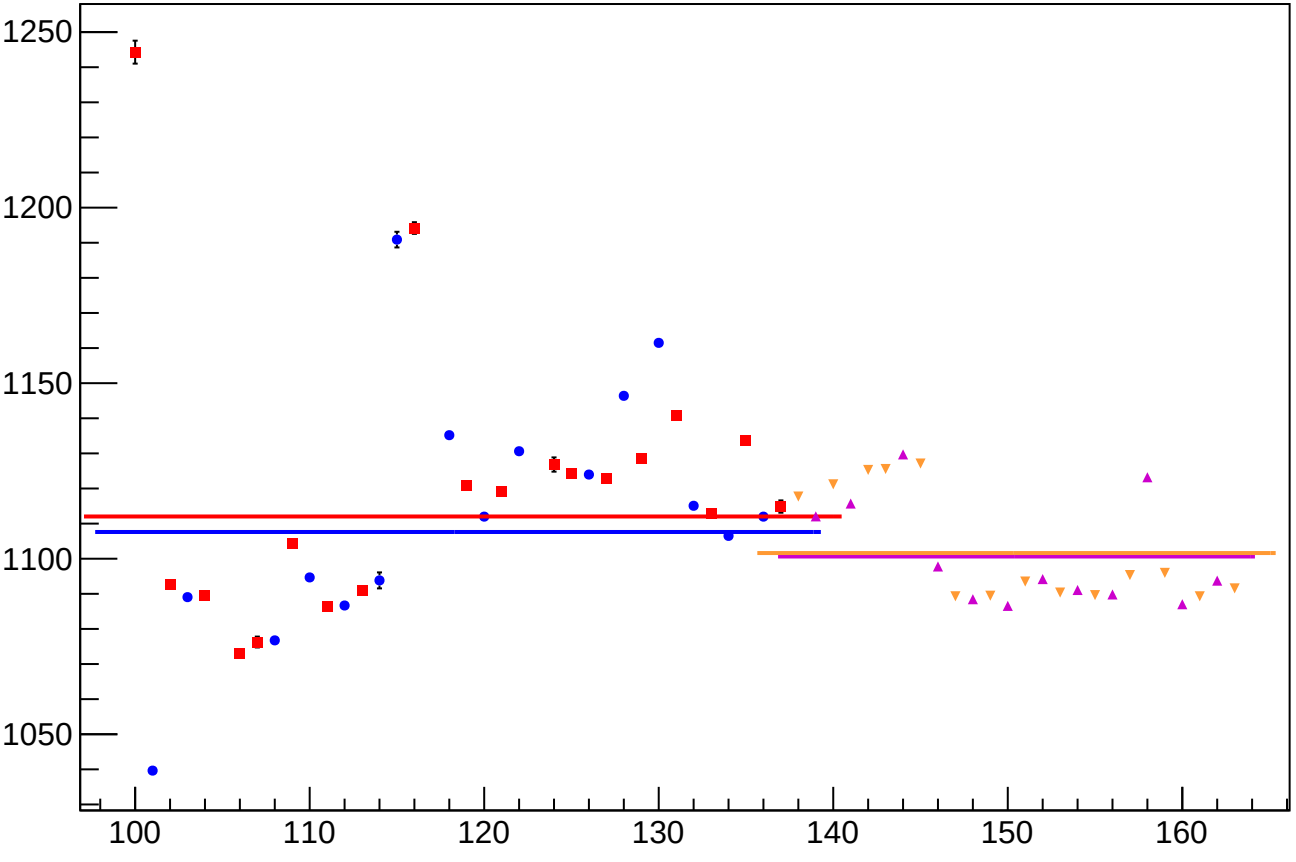
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2555.970+/-262.999 χ^2/NDF:27.0/27

Out: 2005.650+/-255.492 χ^2/NDF:24.0/32

All: 2272.843+/-183.257 χ^2/NDF: 53.3/60

dit_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.631+/-0.242 χ^2/NDF:3612.9/11

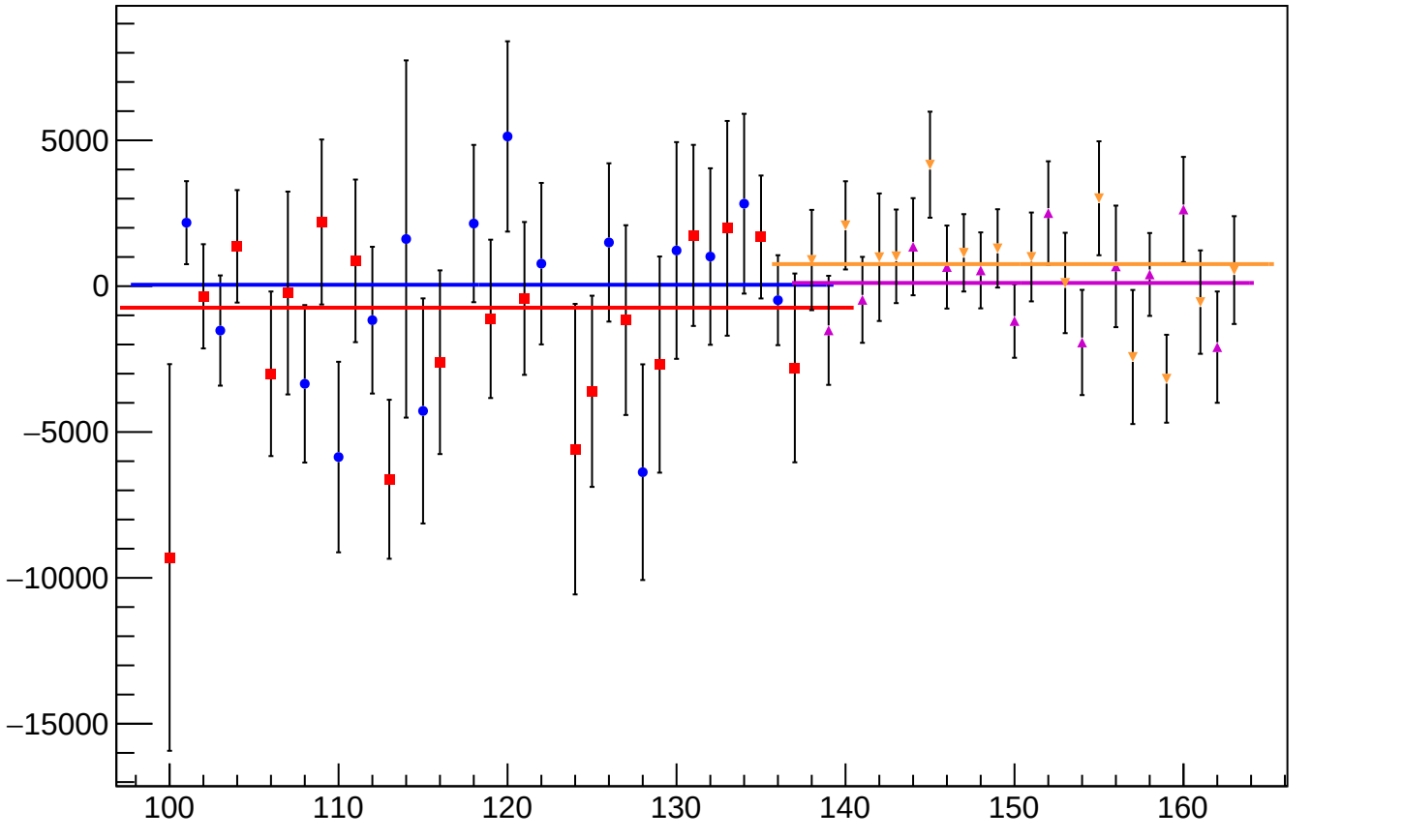
Left: 1101.142+/-0.168 χ^2/NDF: 7763.3/25

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1103.482+/-0.186 χ^2/NDF:17174.4/27

Out: 1105.748+/-0.181 χ^2/NDF:13590.4/32

All: 1104.648+/-0.130 χ^2/NDF: 30841.2/60



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

Left Out: 756.942+/-444.055 χ^2/NDF:15.4/13

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 110.029+/-458.766 χ^2/NDF:9.3/11

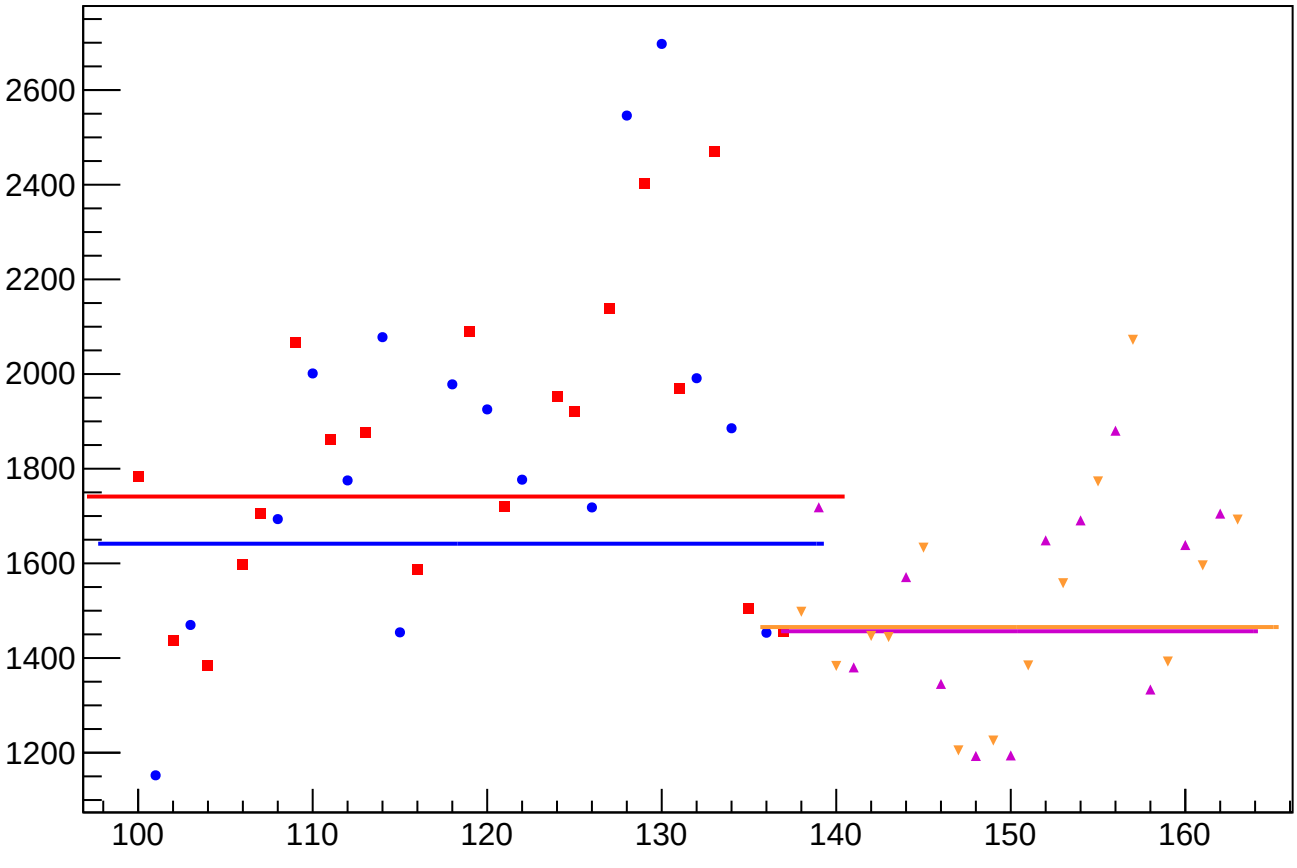
Left: 444.024+/-319.068 χ^2/NDF: 25.7/25

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 88.384+/-370.460 χ^2/NDF:26.2/27

Out: 278.984+/-366.264 χ^2/NDF:33.9/32

All: 184.769+/-260.459 χ^2/NDF: 60.2/60



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

Left Out: 1465.442+/-0.314 χ^2/NDF:411417.1/13

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1456.576+/-0.324 χ^2/NDF:443781.6/11

Left: 1461.154+/-0.226 χ^2/NDF: 855584.3/25

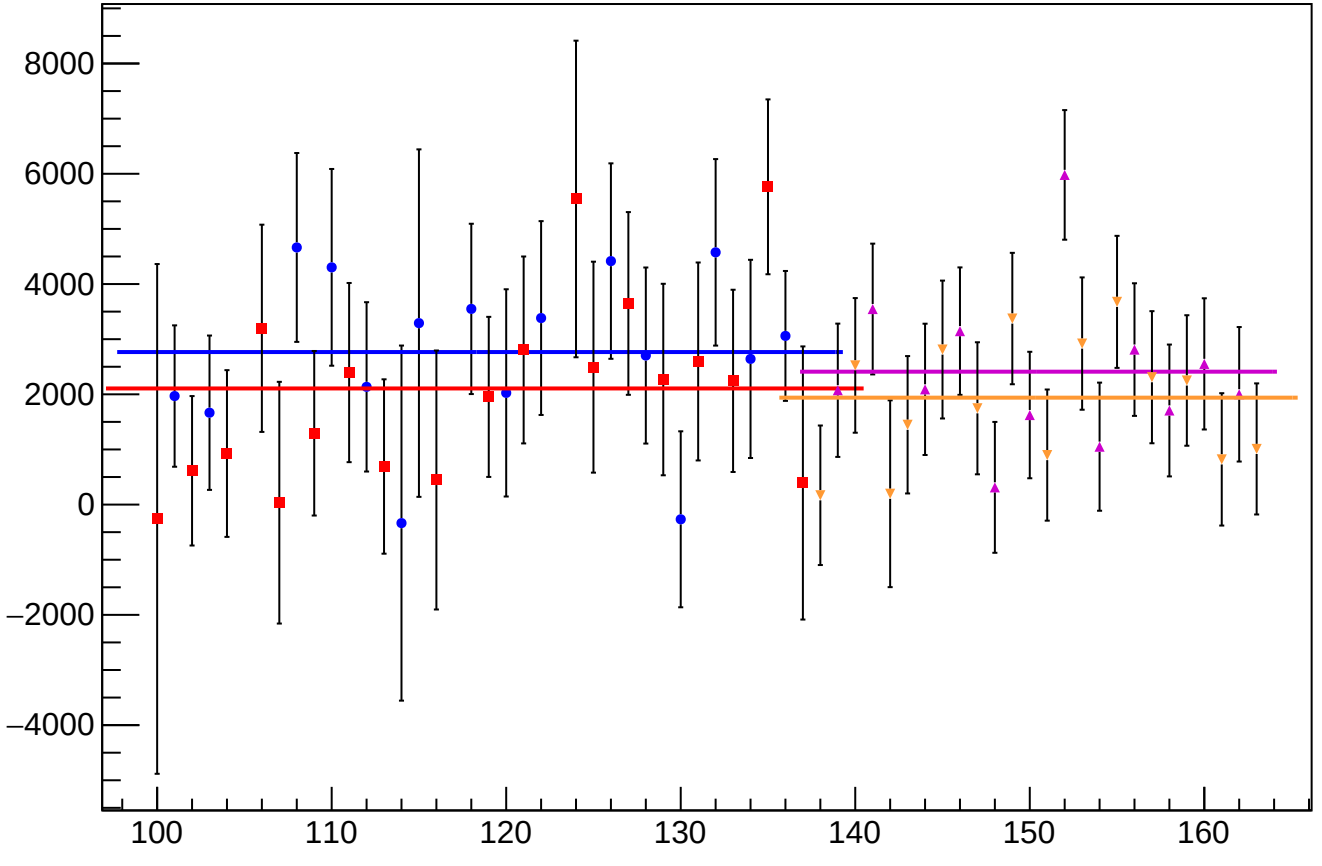
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1520.928+/-0.262 χ^2/NDF:1258200.6/27

Out: 1553.596+/-0.259 χ^2/NDF:1096314.8/32

All: 1537.448+/-0.184 χ^2/NDF: 2362380.0/60

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1939.395+/-328.966 χ^2/NDF:10.6/13

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2410.555+/-341.919 χ^2/NDF:16.2/11

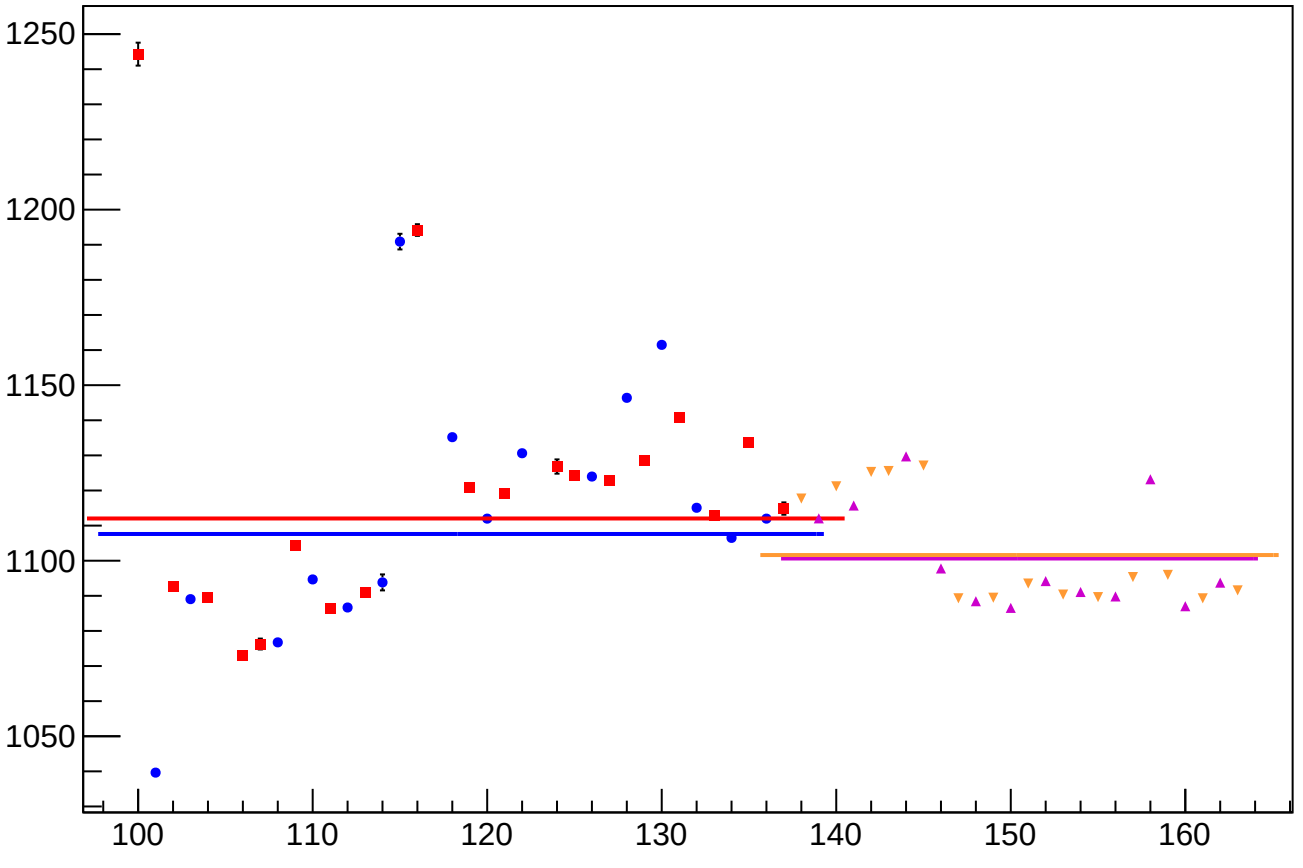
Left: 2165.882+/-237.061 χ^2/NDF: 27.8/25

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2555.970+/-262.999 χ^2/NDF:27.0/27

Out: 2005.649+/-255.492 χ^2/NDF:24.0/32

All: 2272.843+/-183.257 χ^2/NDF: 53.3/60



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1101.616+/-0.233 χ^2/NDF:4141.7/13

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1100.631+/-0.242 χ^2/NDF:3612.9/11

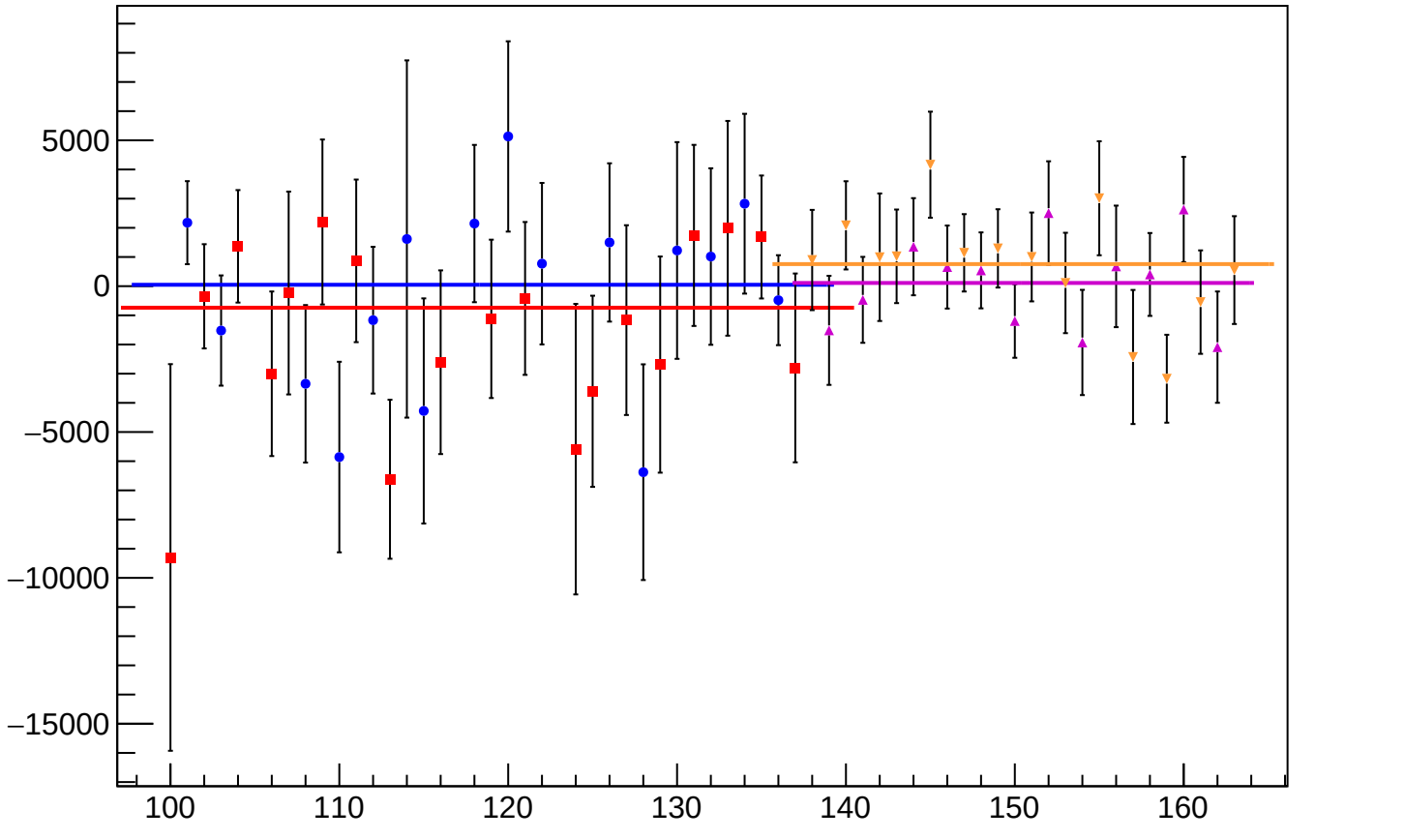
Left: 1101.142+/-0.168 χ^2/NDF: 7763.3/25

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1103.482+/-0.186 χ^2/NDF:17174.2/27

Out: 1105.748+/-0.181 χ^2/NDF:13590.4/32

All: 1104.648+/-0.130 χ^2/NDF: 30841.0/60



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

Left Out: 756.941+/-444.056 χ^2/NDF:15.4/13

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 110.029+/-458.767 χ^2/NDF:9.3/11

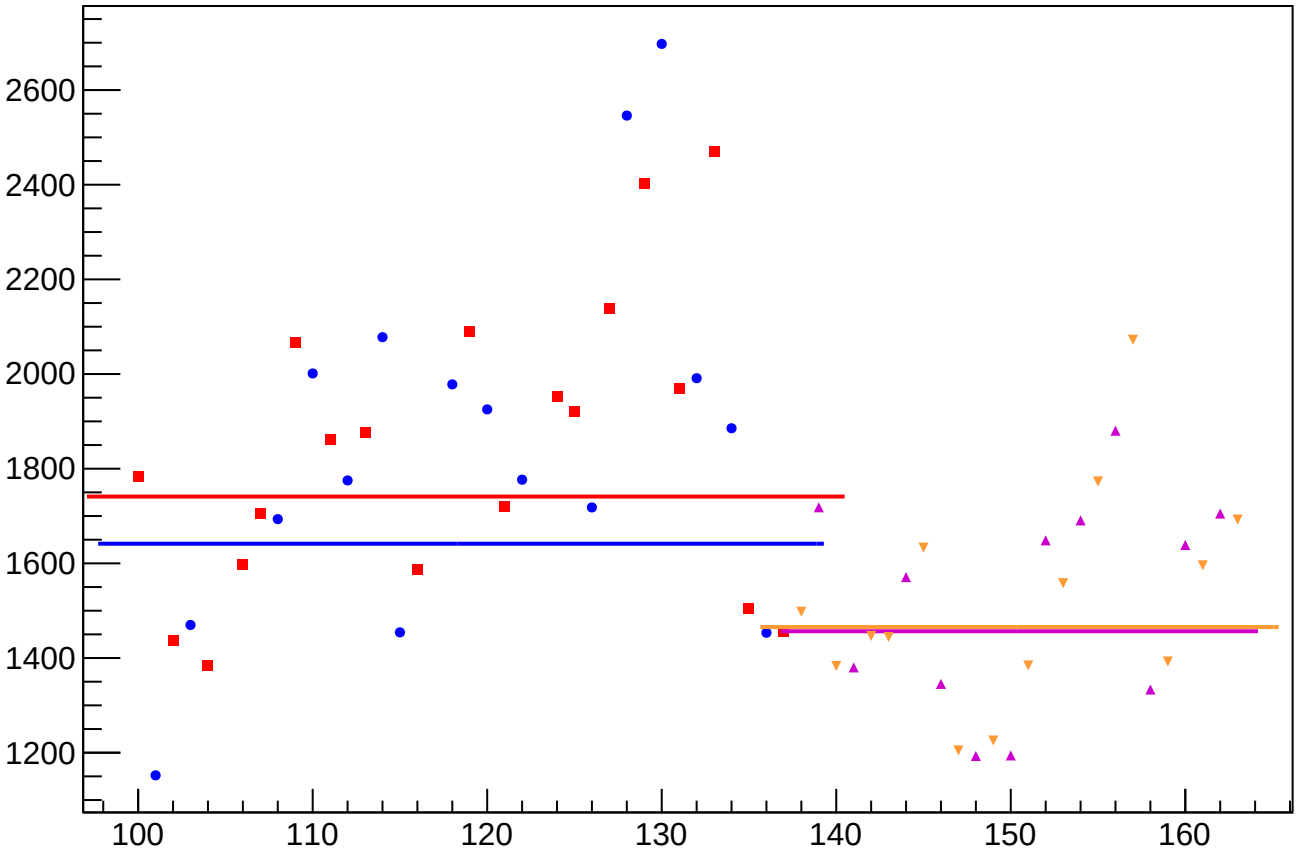
Left: 444.024+/-319.069 χ^2/NDF: 25.7/25

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: 88.383+/-370.461 χ^2/NDF:26.2/27

Out: 278.980+/-366.264 χ^2/NDF:33.9/32

All: 184.767+/-260.459 χ^2/NDF: 60.2/60



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

Left Out: 1465.446+/-0.314 χ^2/NDF:411421.6/13

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1456.580+/-0.324 χ^2/NDF:443787.4/11

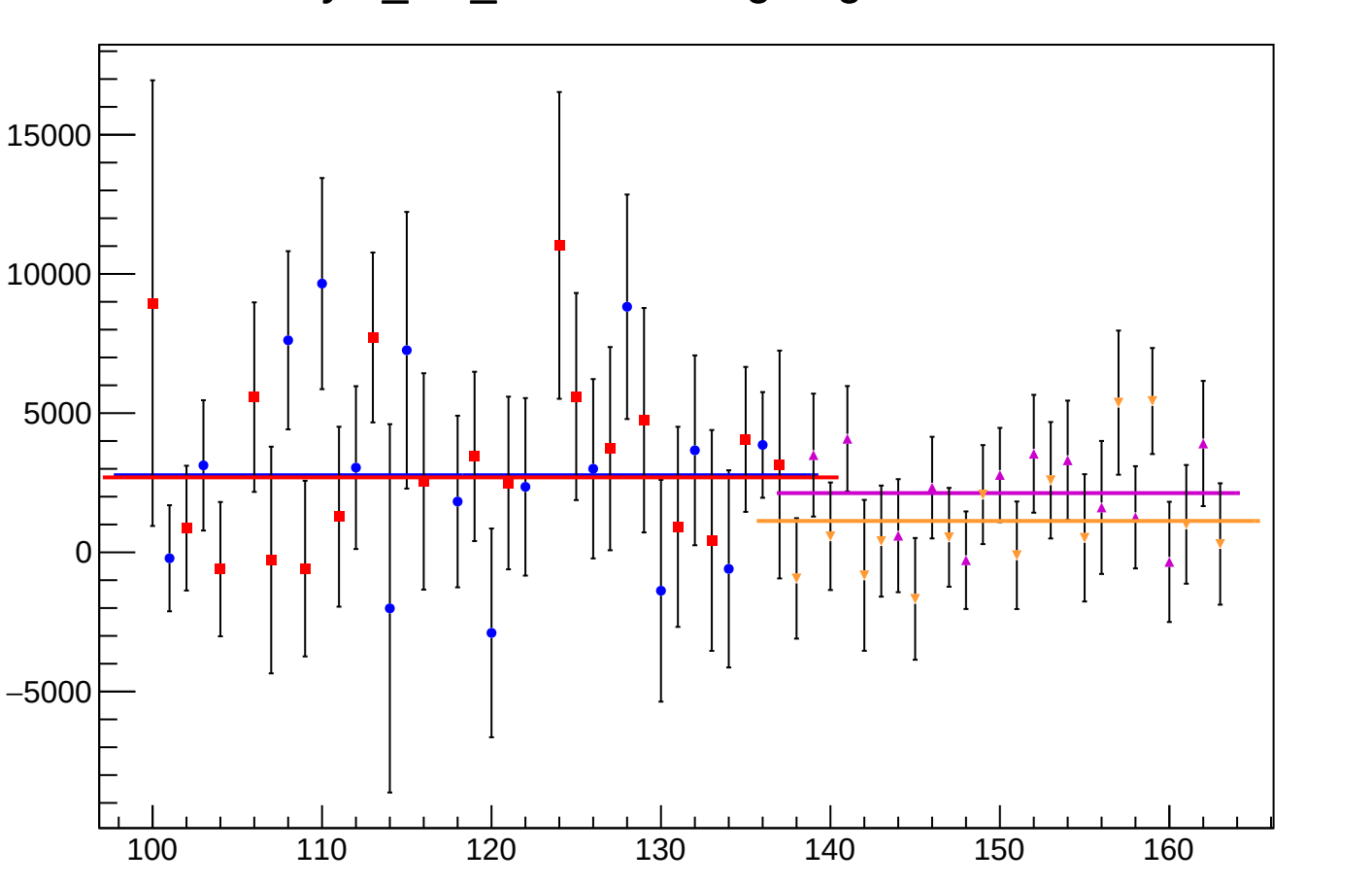
Left: 1461.157+/-0.226 χ^2/NDF: 855594.6/25

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1520.930+/-0.262 χ^2/NDF:1258187.3/27

Out: 1553.598+/-0.259 χ^2/NDF:1096298.5/32

All: 1537.450+/-0.184 χ^2/NDF: 2362350.6/60



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

Left Out: 1127.636+/-554.233 χ^2/NDF:12.6/13

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2128.327+/-574.749 χ^2/NDF:7.0/11

Left: 1609.803+/-398.958 χ^2/NDF: 21.2/25

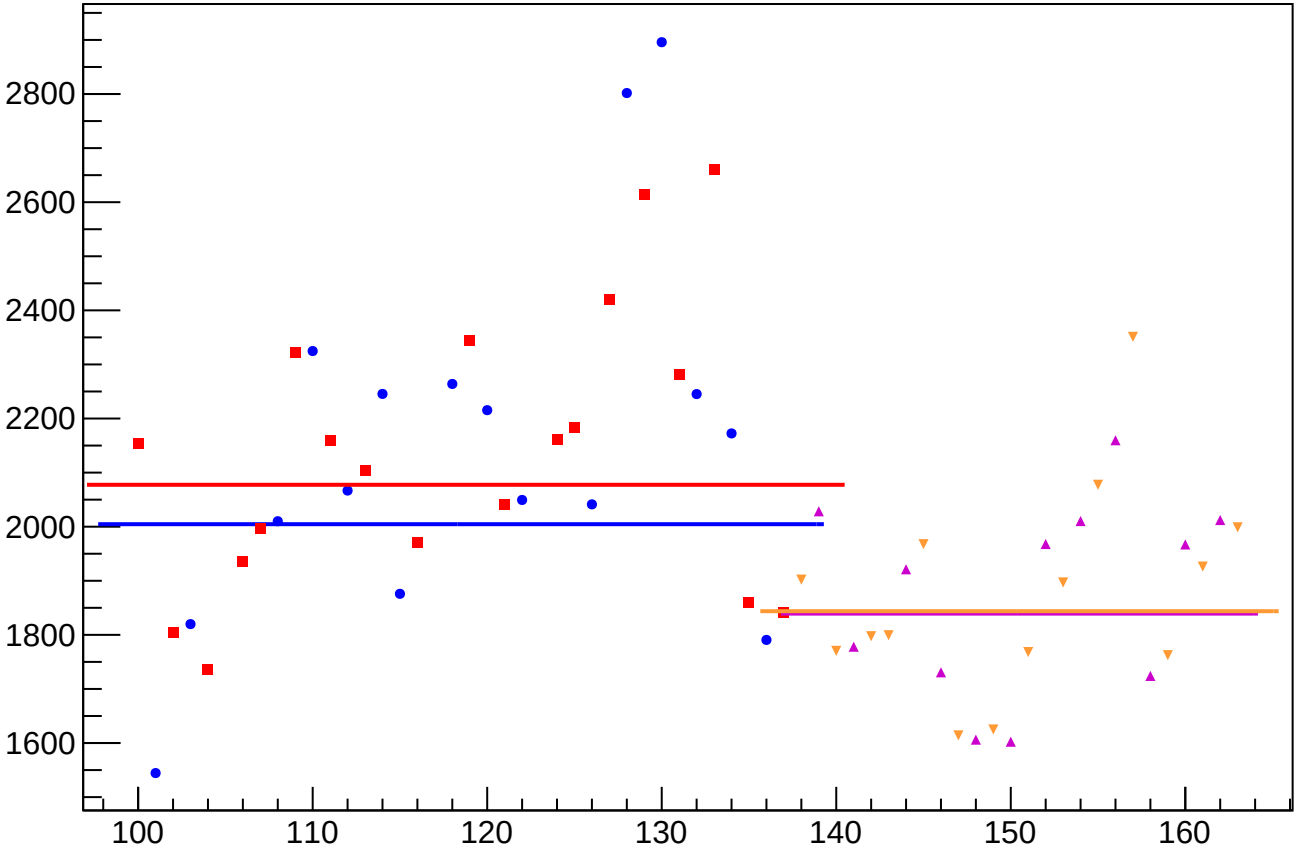
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2362.904+/-457.784 χ^2/NDF:23.9/27

Out: 1665.628+/-448.974 χ^2/NDF:27.9/32

All: 2007.493+/-320.542 χ^2/NDF: 53.0/60

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1843.751+/-0.392 χ^2/NDF:194892.1/13

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1839.318+/-0.406 χ^2/NDF:184563.0/11

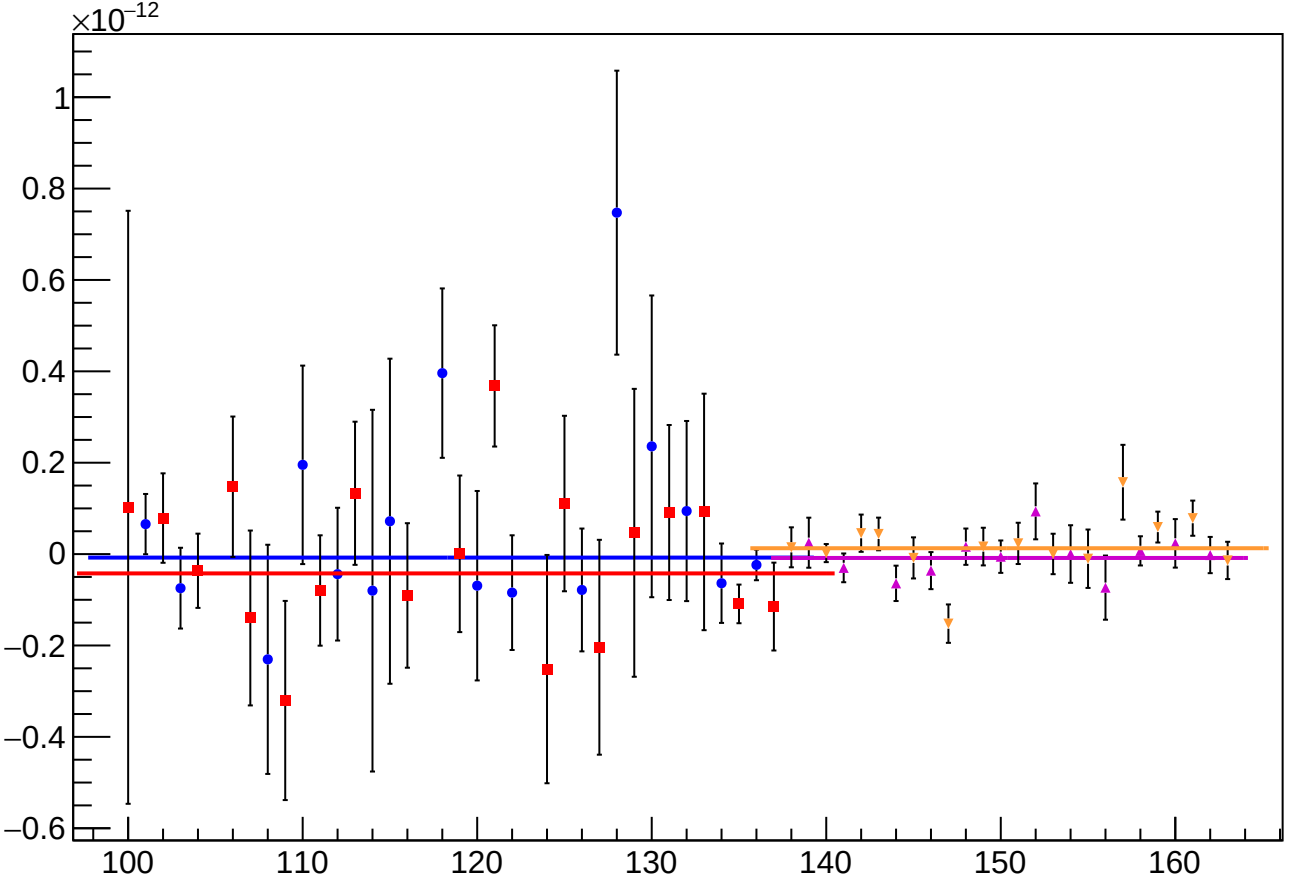
Left: 1841.615+/-0.282 χ^2/NDF: 379516.8/25

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1899.758+/-0.324 χ^2/NDF:632624.5/27

Out: 1924.107+/-0.317 χ^2/NDF:547669.0/32

All: 1912.169+/-0.227 χ^2/NDF: 1183177.5/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.0/11

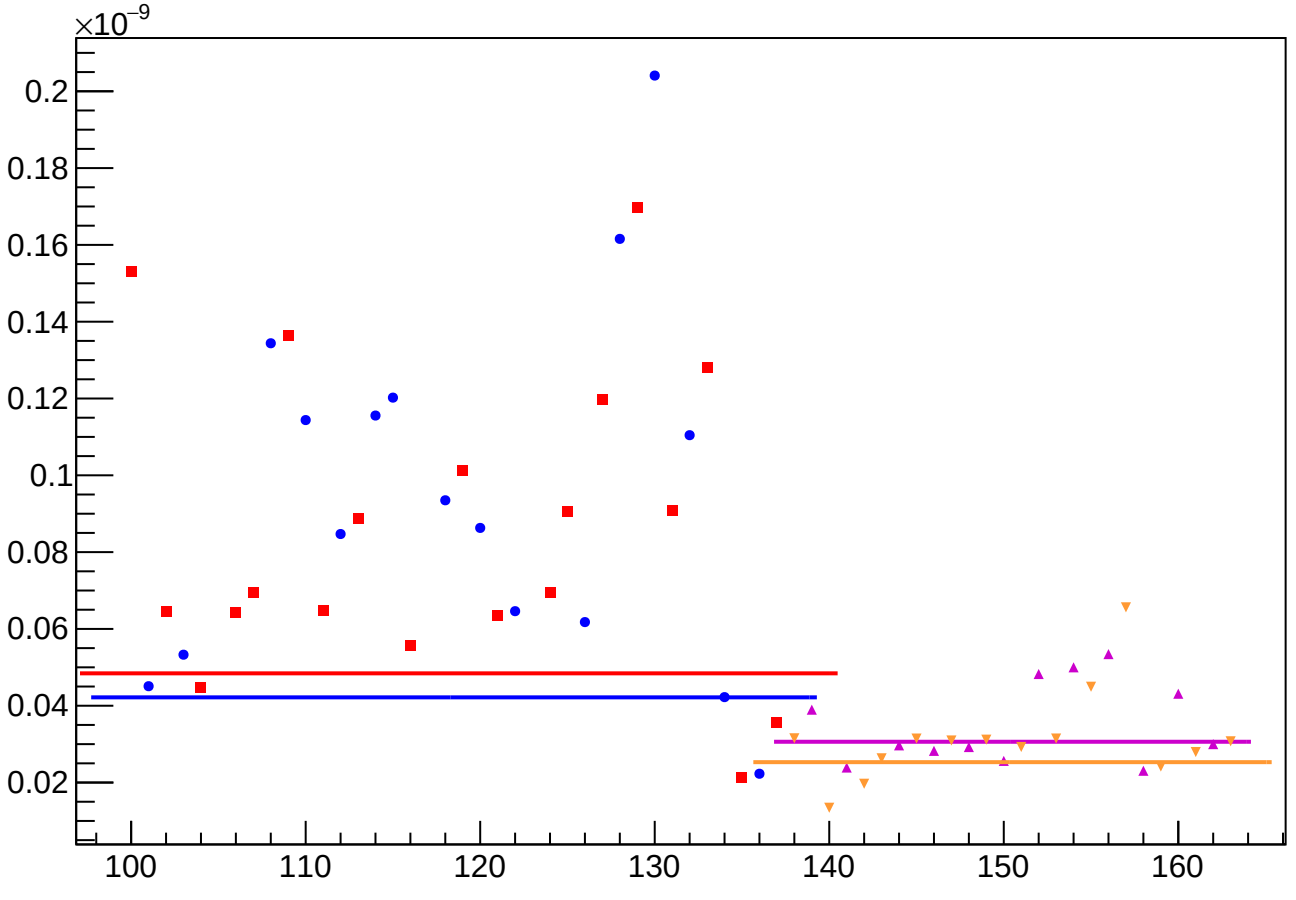
Left: 0.000+/-0.000 χ^2/NDF: 35.8/25

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:24.5/27

Out: 0.000+/-0.000 χ^2/NDF:51.4/32

All: -0.000+/-0.000 χ^2/NDF: 76.9/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:1687667.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:977349.0/11

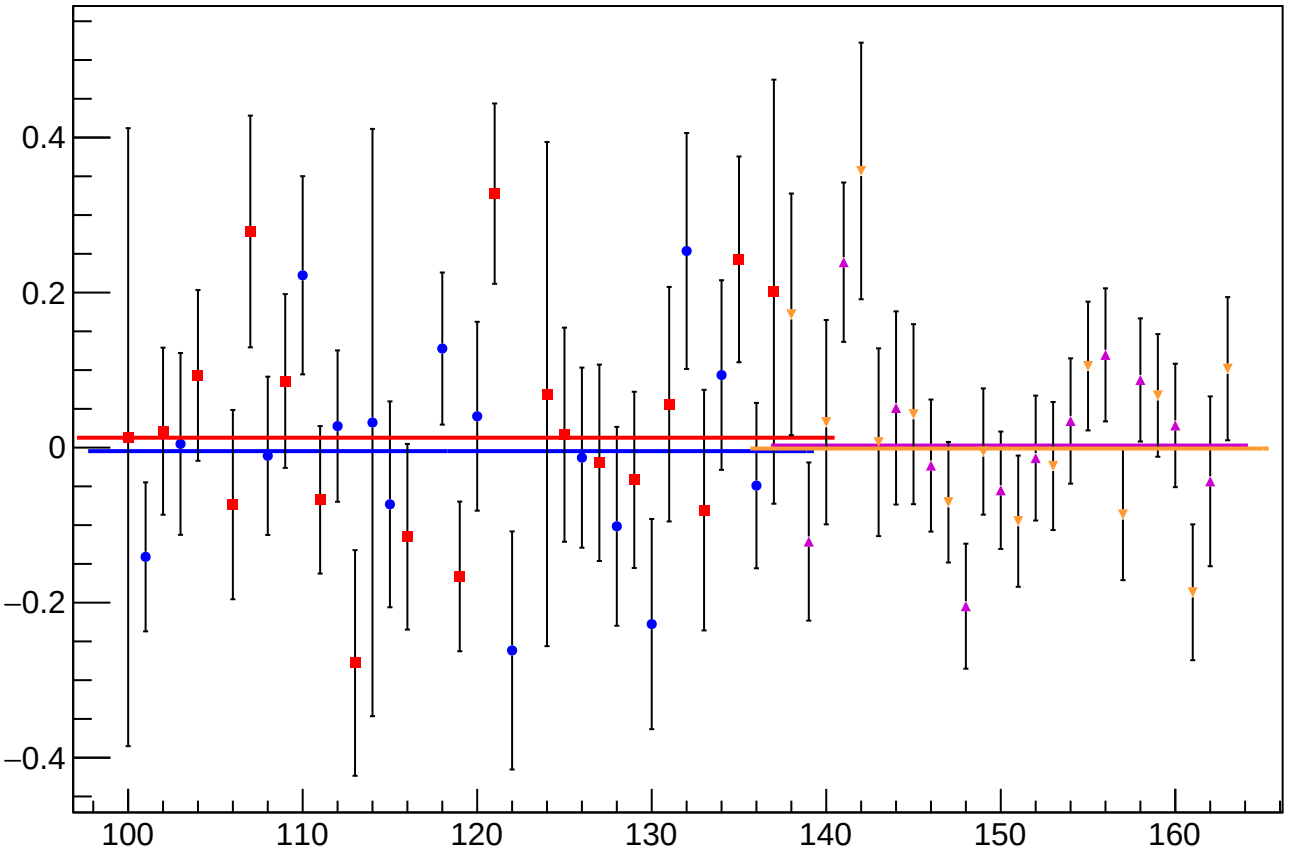
Left: 0.000+/-0.000 χ^2/NDF: 2888888.6/25

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:4273157.1/27

Out: 0.000+/-0.000 χ^2/NDF:5575710.5/32

All: 0.000+/-0.000 χ^2/NDF: 10065407.9/60



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.025 χ^2/NDF:17.7/11

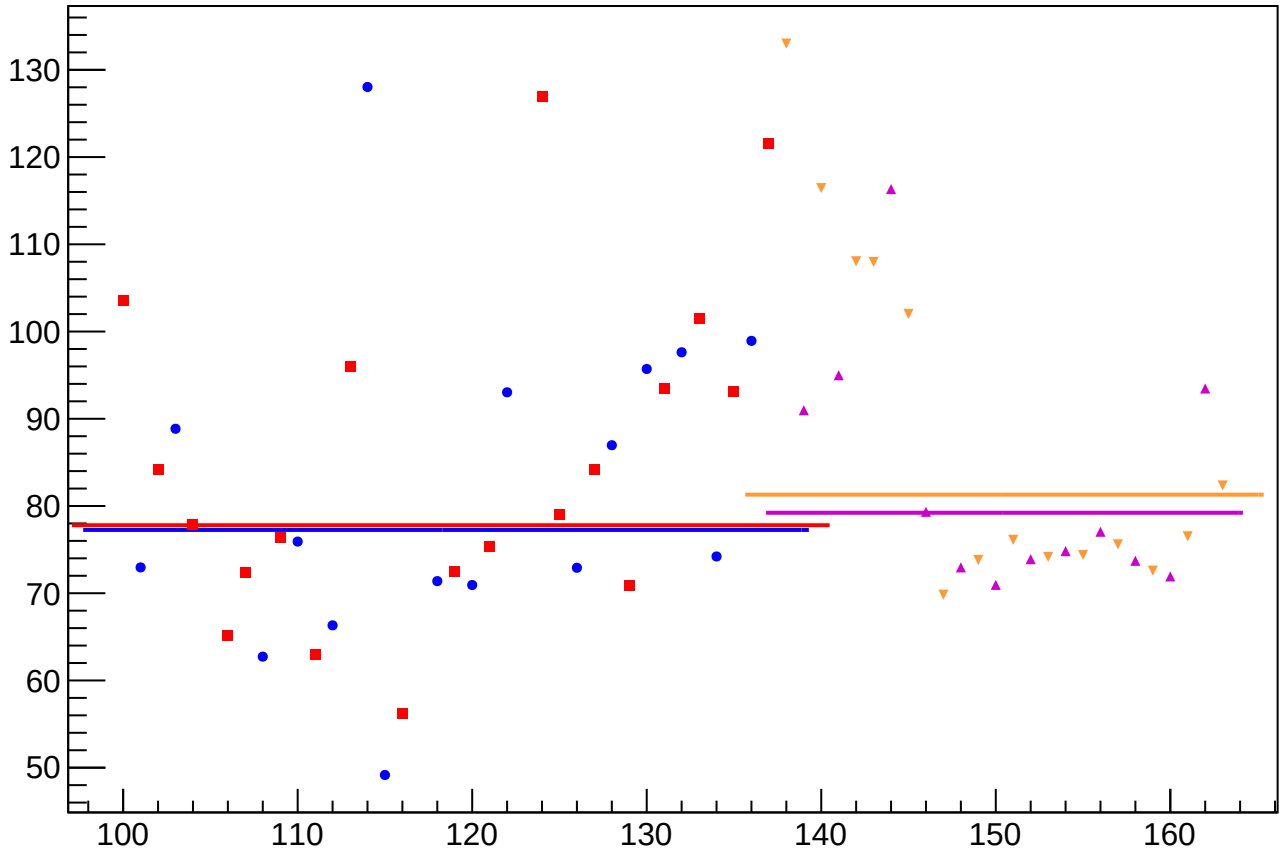
Left: 0.001+/-0.018 χ^2/NDF: 35.0/25

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.000+/-0.019 χ^2/NDF:35.0/27

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.002+/-0.014 χ^2/NDF: 78.0/60



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

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.225+/-0.018 χ^2/NDF:362972.1/11

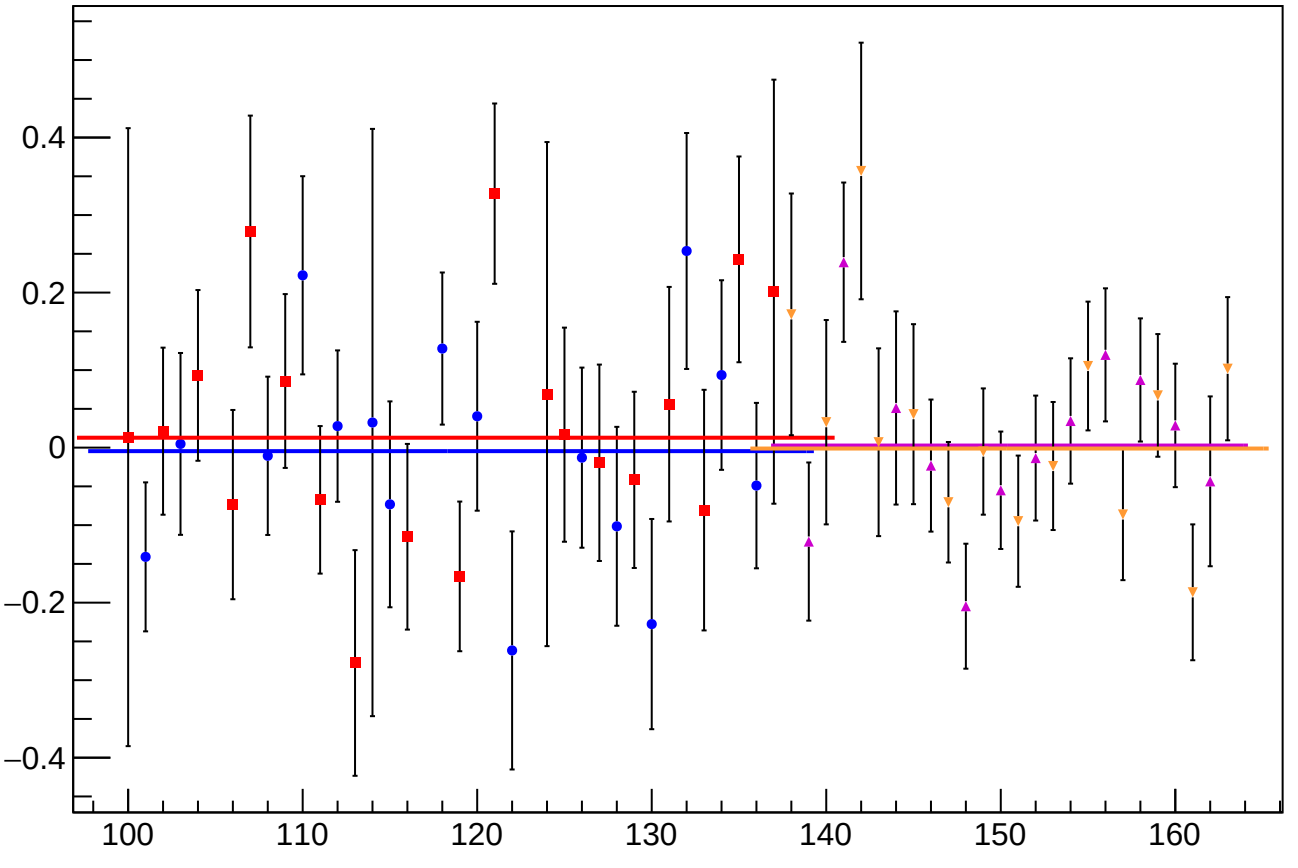
Left: 80.265+/-0.013 χ^2/NDF: 1081007.5/25

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.410+/-0.014 χ^2/NDF:787273.2/27

Out: 79.832+/-0.014 χ^2/NDF:1123913.8/32

All: 79.125+/-0.010 χ^2/NDF: 1916627.4/60



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.3/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.025 χ^2/NDF:17.7/11

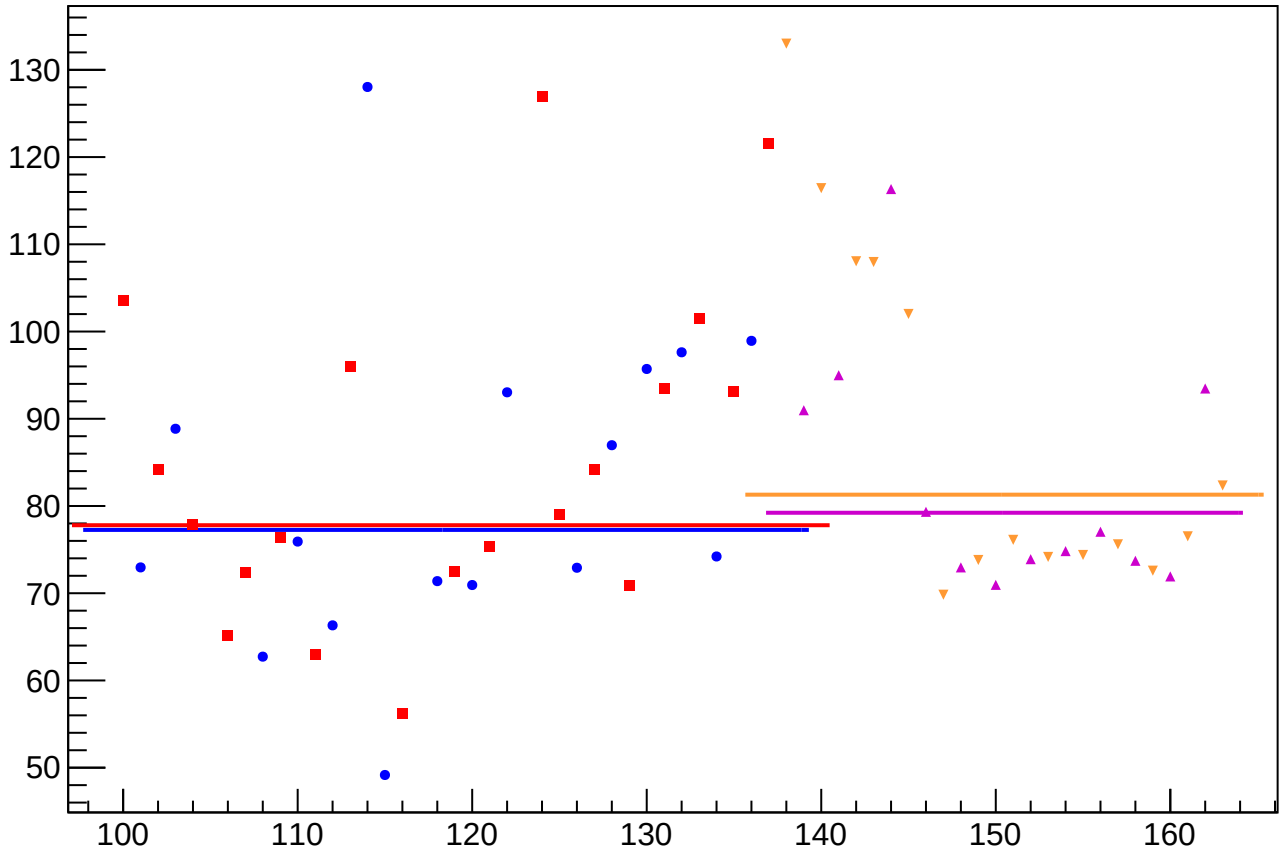
Left: 0.001+/-0.018 χ^2/NDF: 35.0/25

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.000+/-0.019 χ^2/NDF:35.0/27

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.002+/-0.014 χ^2/NDF: 78.0/60



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

Left Out: 81.299+/-0.018 χ^2/NDF:711290.3/13

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.225+/-0.018 χ^2/NDF:362972.1/11

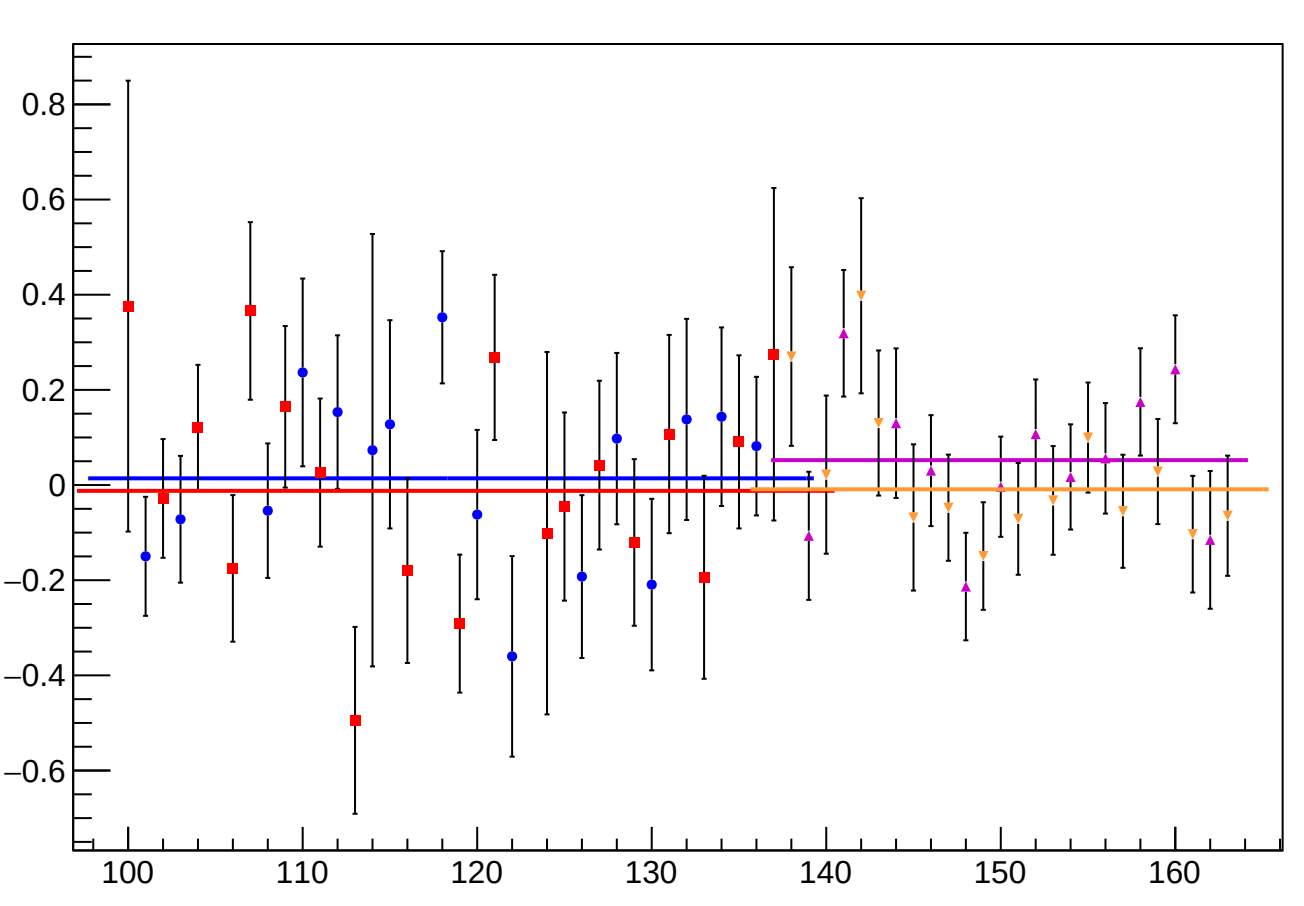
Left: 80.265+/-0.013 χ^2/NDF: 1081007.5/25

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.410+/-0.014 χ^2/NDF:787273.2/27

Out: 79.832+/-0.014 χ^2/NDF:1123913.8/32

All: 79.125+/-0.010 χ^2/NDF: 1916627.4/60



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

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.052+/-0.035 χ^2/NDF:17.2/11

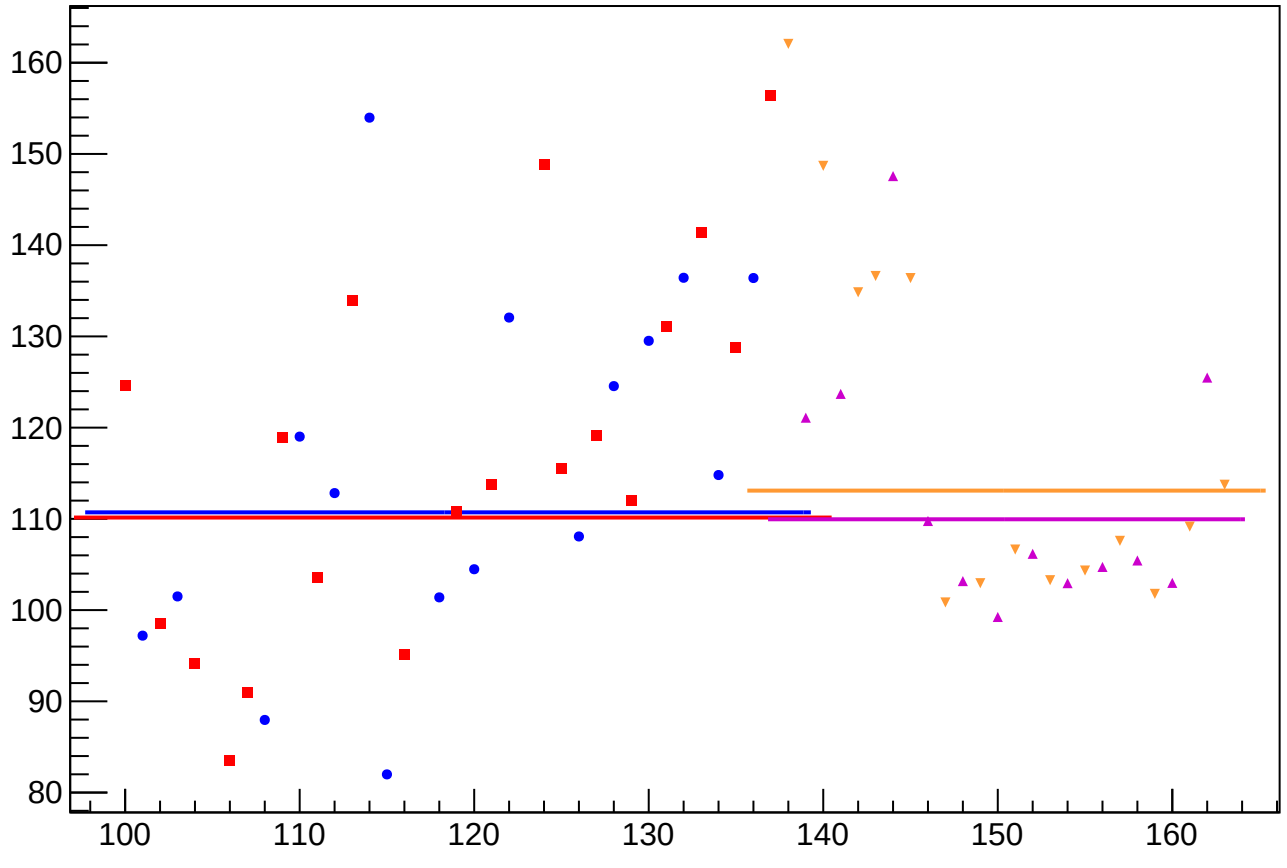
Left: 0.022+/-0.024 χ^2/NDF: 29.8/25

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.037+/-0.027 χ^2/NDF:35.9/27

Out: -0.010+/-0.027 χ^2/NDF:34.8/32

All: 0.013+/-0.019 χ^2/NDF: 72.3/60



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

Left Out: 113.097+/-0.024 χ^2/NDF:443869.3/13

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 109.954+/-0.025 χ^2/NDF:225440.2/11

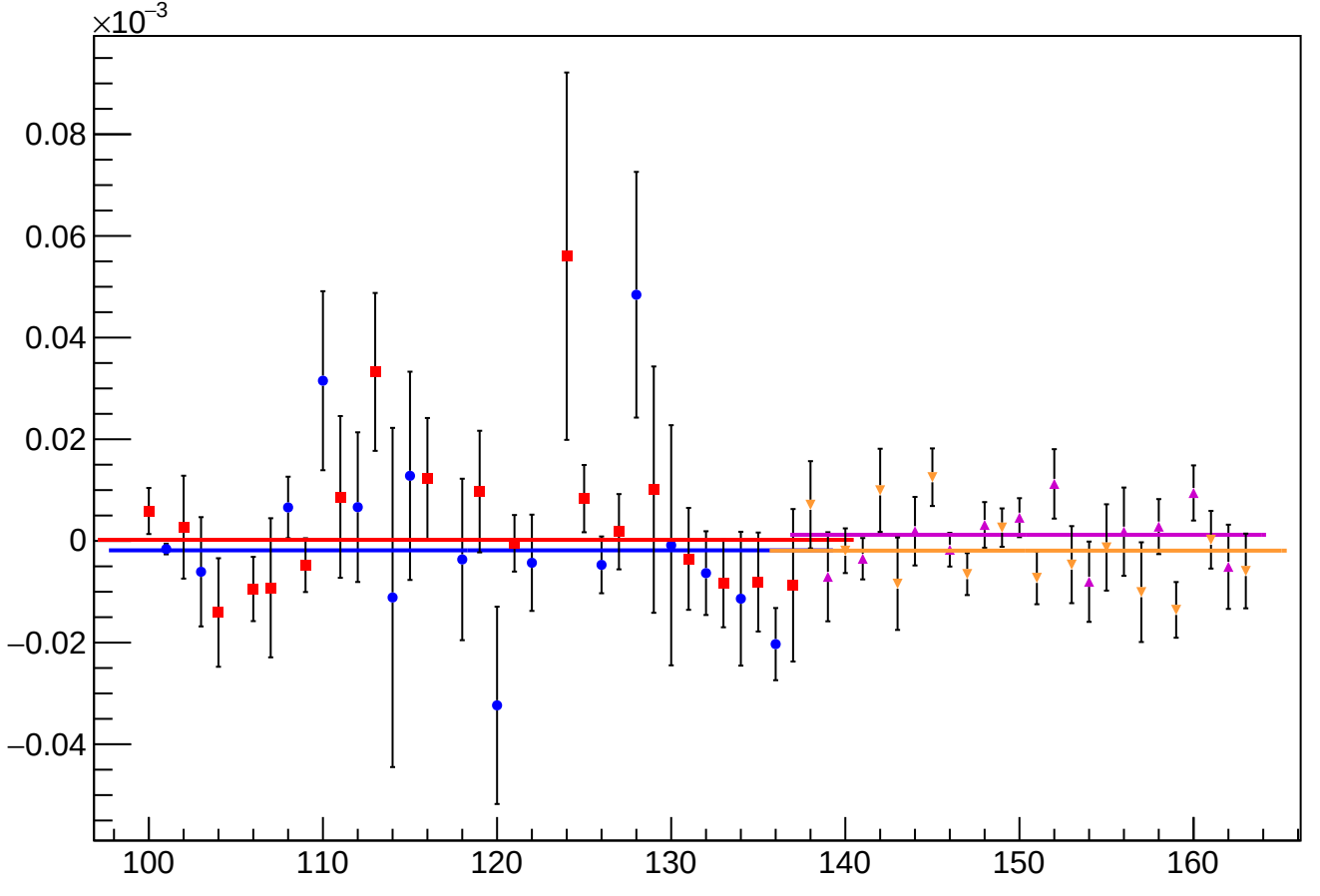
Left: 111.533+/-0.017 χ^2/NDF: 677550.4/25

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 110.260+/-0.019 χ^2/NDF:525799.7/27

Out: 111.882+/-0.019 χ^2/NDF:776607.9/32

All: 111.081+/-0.013 χ^2/NDF: 1306109.0/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/11

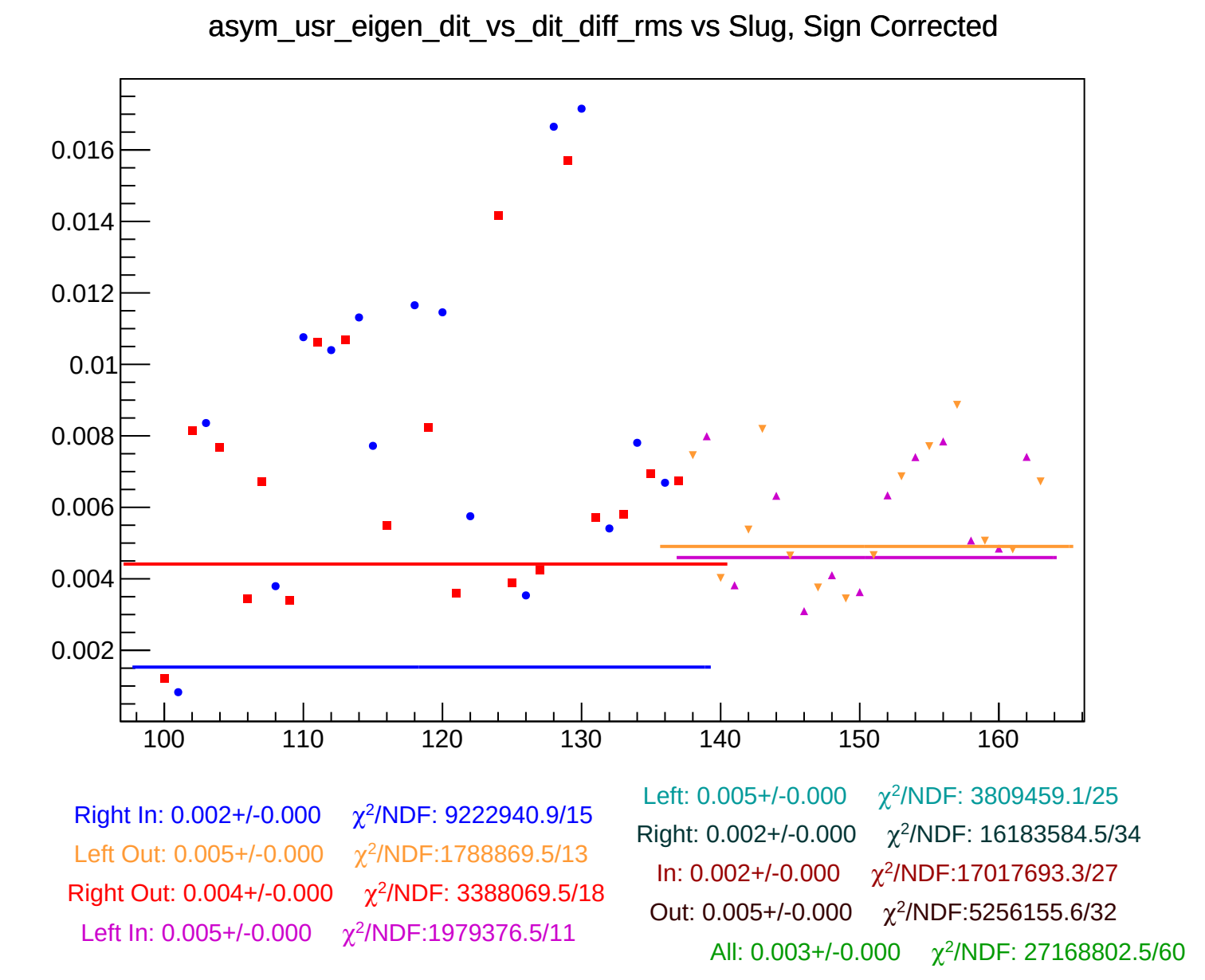
Left: -0.000+/-0.000 χ^2/NDF: 32.3/25

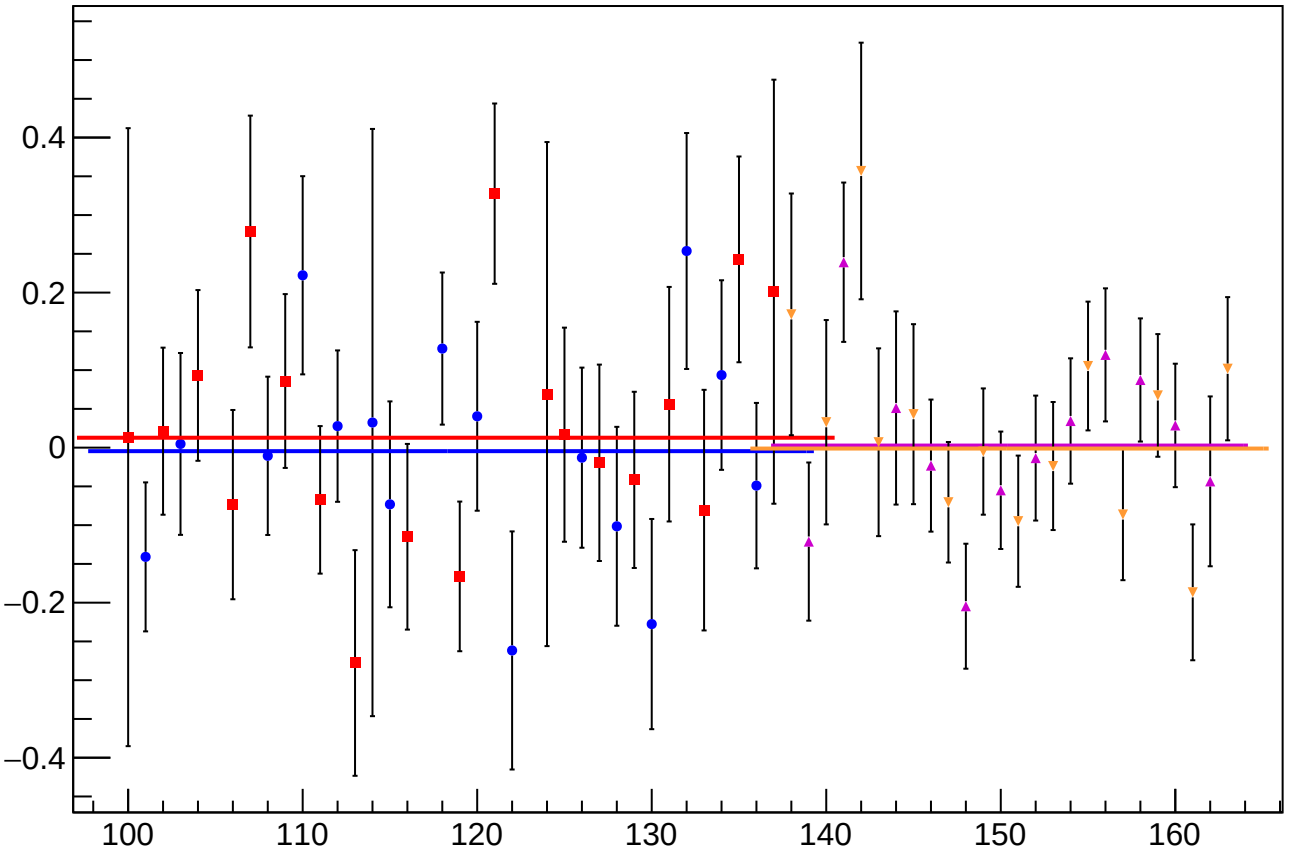
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.8/27

Out: -0.000+/-0.000 χ^2/NDF:40.4/32

All: -0.000+/-0.000 χ^2/NDF: 75.1/60


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
Right In: 0.002+/-0.000 χ²/NDF: 9222940.9/15
Left Out: 0.005+/-0.000 χ²/NDF:1788869.5/13
Right Out: 0.004+/-0.000 χ²/NDF: 3388069.5/18
Left In: 0.005+/-0.000 χ²/NDF:1979376.5/11
Left: 0.005+/-0.000 χ²/NDF: 3809459.1/25
Right: 0.002+/-0.000 χ²/NDF: 16183584.5/34
In: 0.002+/-0.000 χ²/NDF:17017693.3/27
Out: 0.005+/-0.000 χ²/NDF:5256155.6/32
All: 0.003+/-0.000 χ²/NDF: 27168802.5/60



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.4/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.025 χ^2/NDF:17.7/11

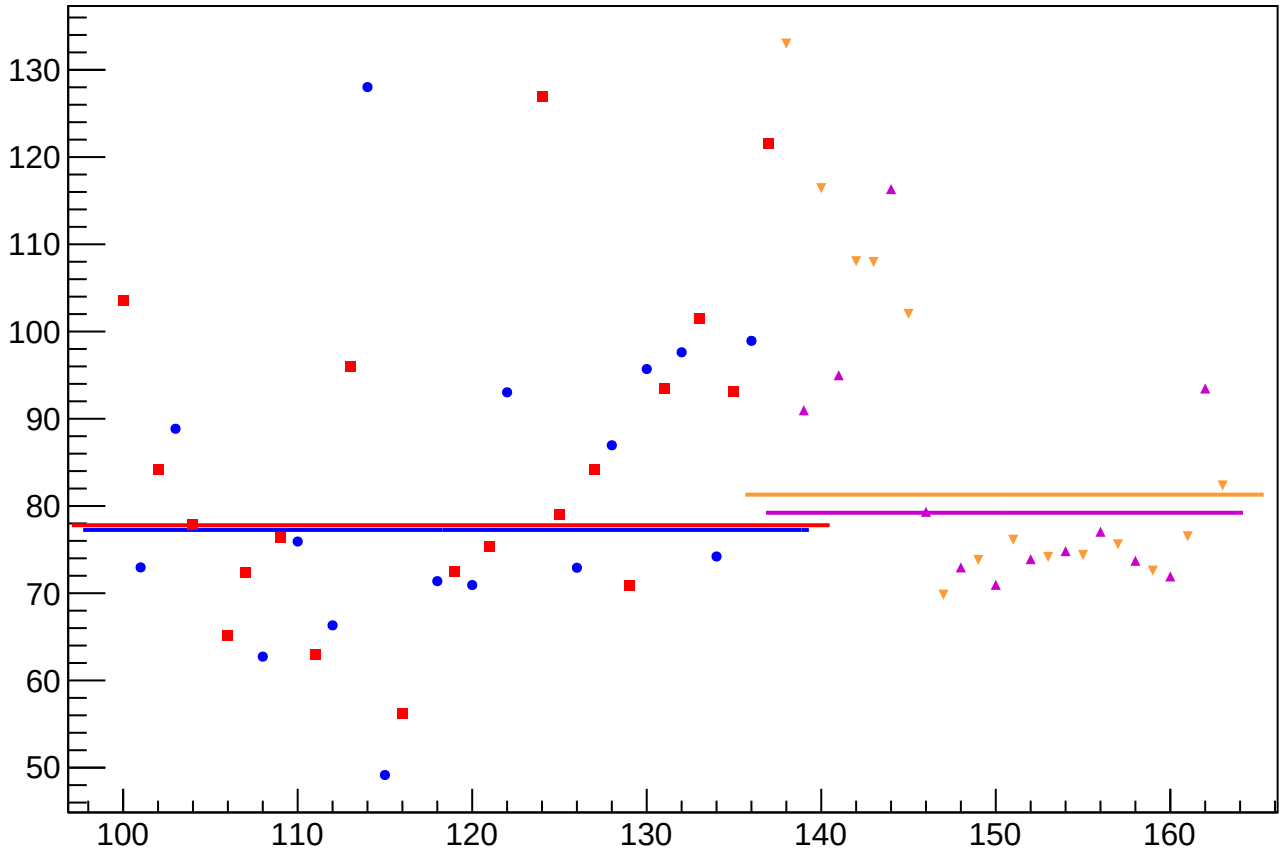
Left: 0.001+/-0.018 χ^2/NDF: 35.0/25

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.000+/-0.019 χ^2/NDF:35.0/27

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.002+/-0.014 χ^2/NDF: 78.0/60



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

Left Out: 81.300+/-0.018 χ^2/NDF:711288.0/13

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.225+/-0.018 χ^2/NDF:362978.5/11

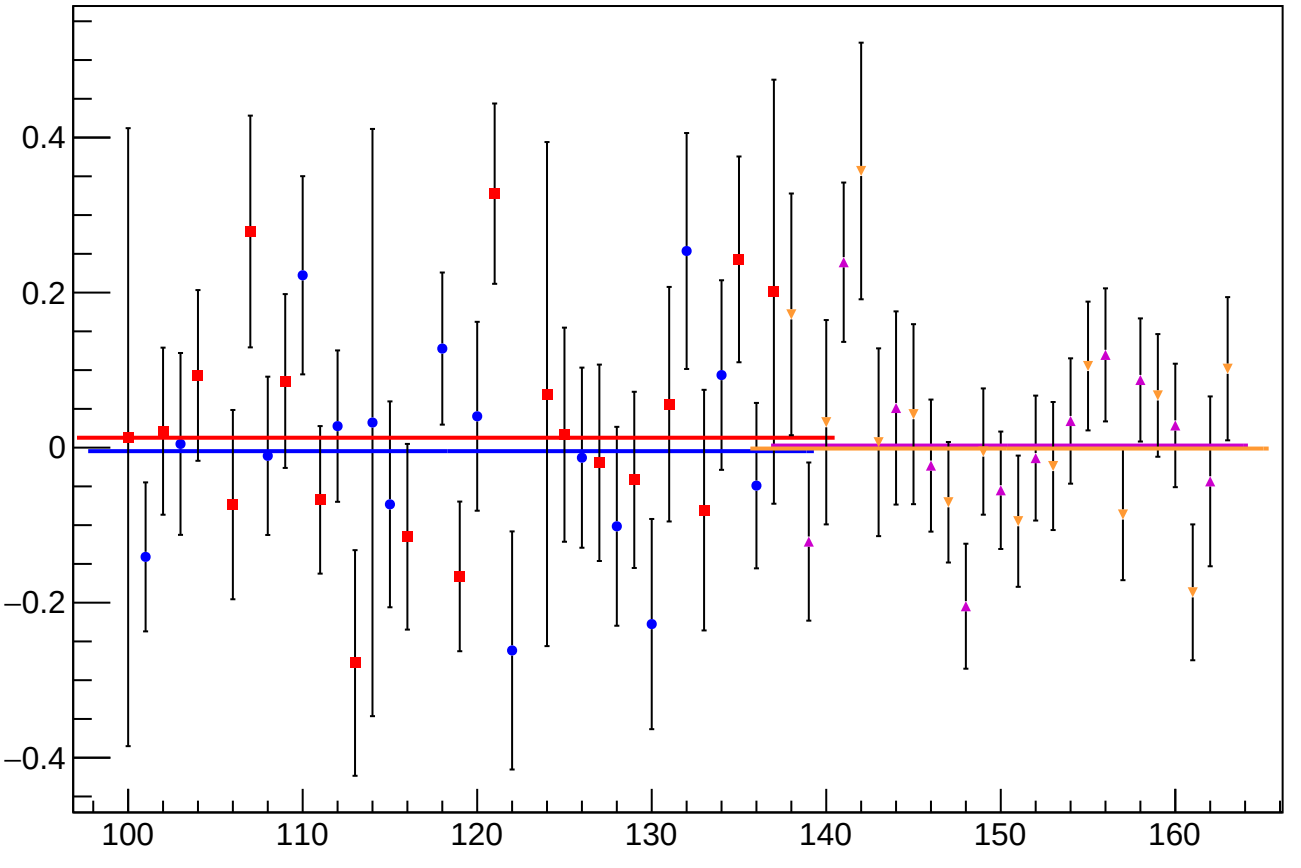
Left: 80.265+/-0.013 χ^2/NDF: 1081012.6/25

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.409+/-0.014 χ^2/NDF:787276.0/27

Out: 79.832+/-0.014 χ^2/NDF:1123927.8/32

All: 79.125+/-0.010 χ^2/NDF: 1916644.7/60



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

Left Out: -0.001+/-0.025 χ^2/NDF:17.4/13

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: 0.003+/-0.025 χ^2/NDF:17.7/11

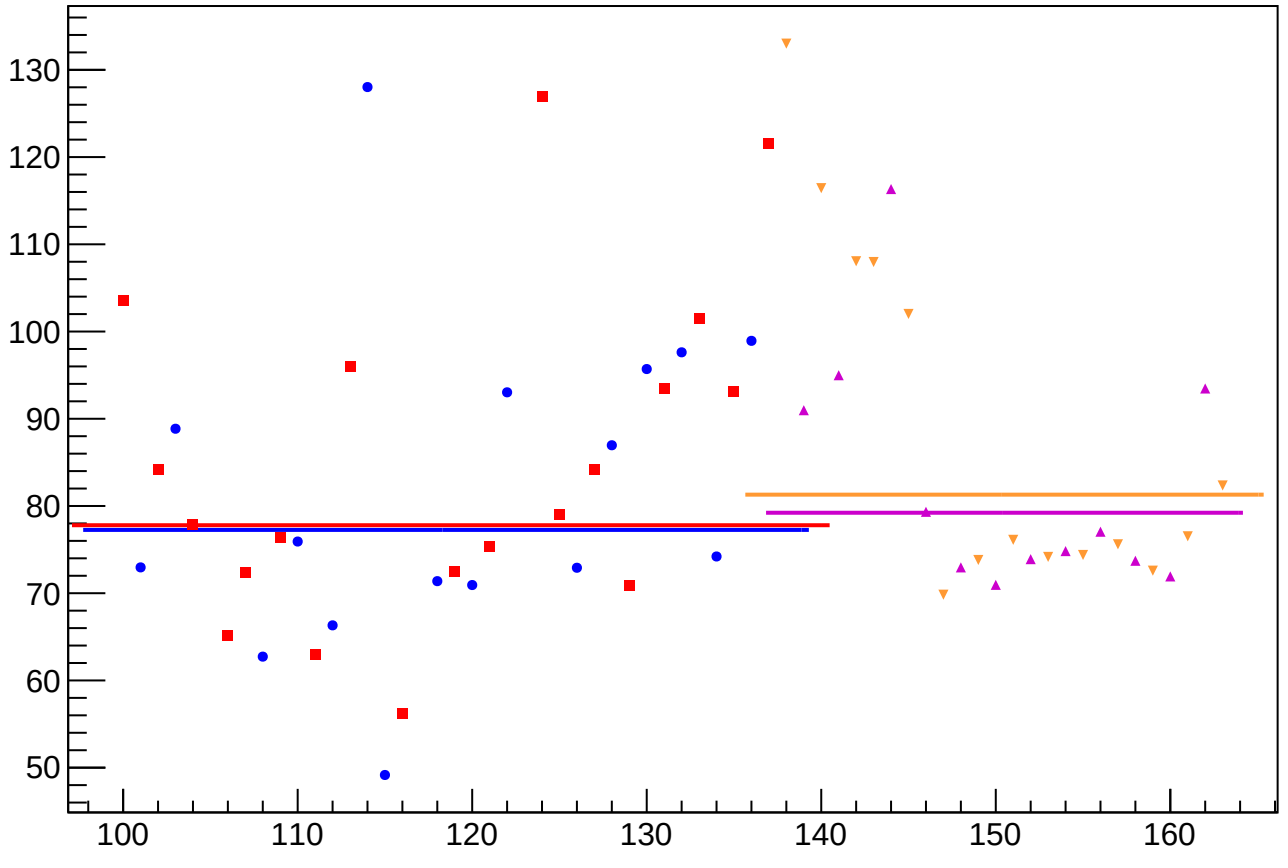
Left: 0.001+/-0.018 χ^2/NDF: 35.0/25

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.000+/-0.019 χ^2/NDF:35.0/27

Out: 0.005+/-0.019 χ^2/NDF:43.0/32

All: 0.002+/-0.014 χ^2/NDF: 78.0/60



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

Left Out: 81.300+/-0.018 χ^2/NDF:711288.0/13

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.225+/-0.018 χ^2/NDF:362978.5/11

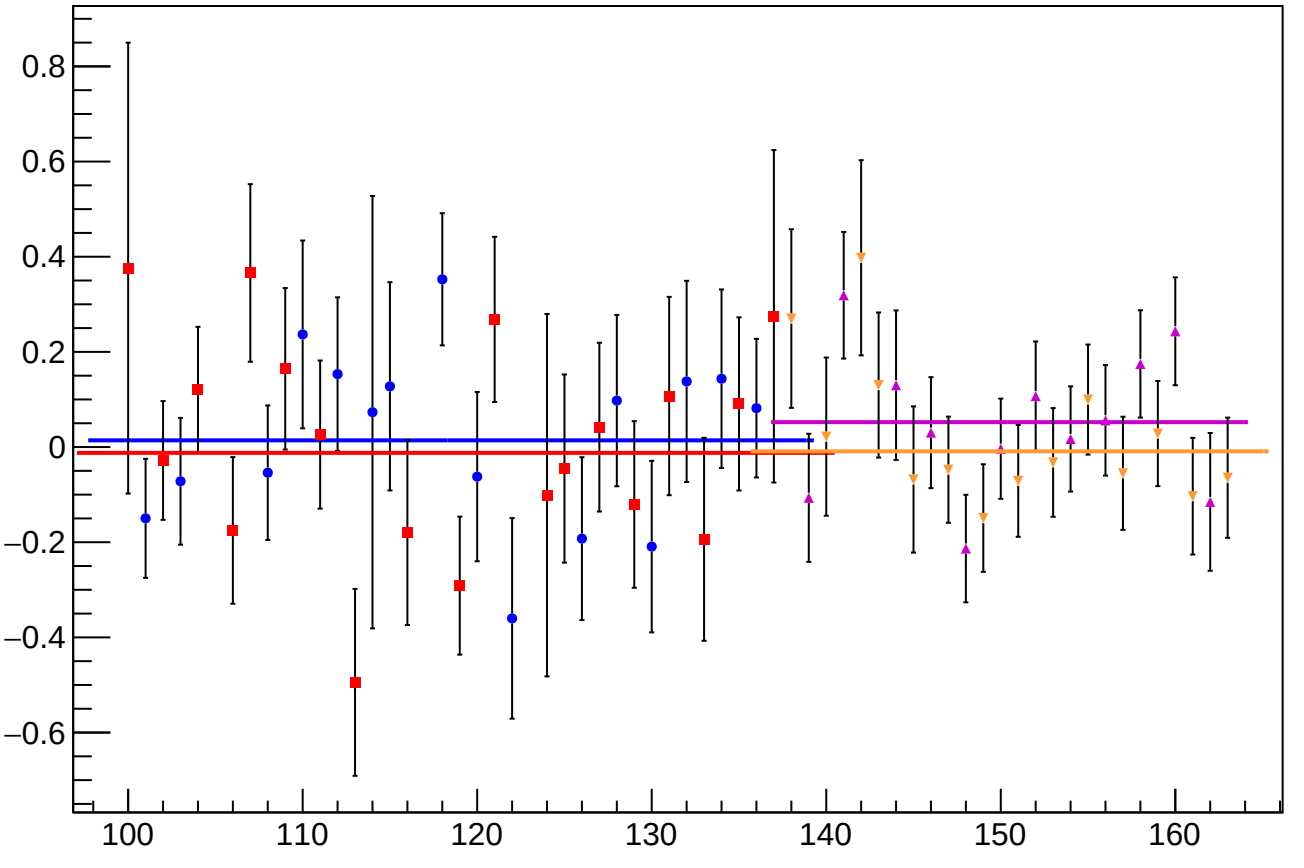
Left: 80.265+/-0.013 χ^2/NDF: 1081012.6/25

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.409+/-0.014 χ^2/NDF:787276.0/27

Out: 79.832+/-0.014 χ^2/NDF:1123927.8/32

All: 79.125+/-0.010 χ^2/NDF: 1916644.7/60



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

Left Out: -0.009+/-0.035 χ^2/NDF:11.1/13

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.052+/-0.035 χ^2/NDF:17.2/11

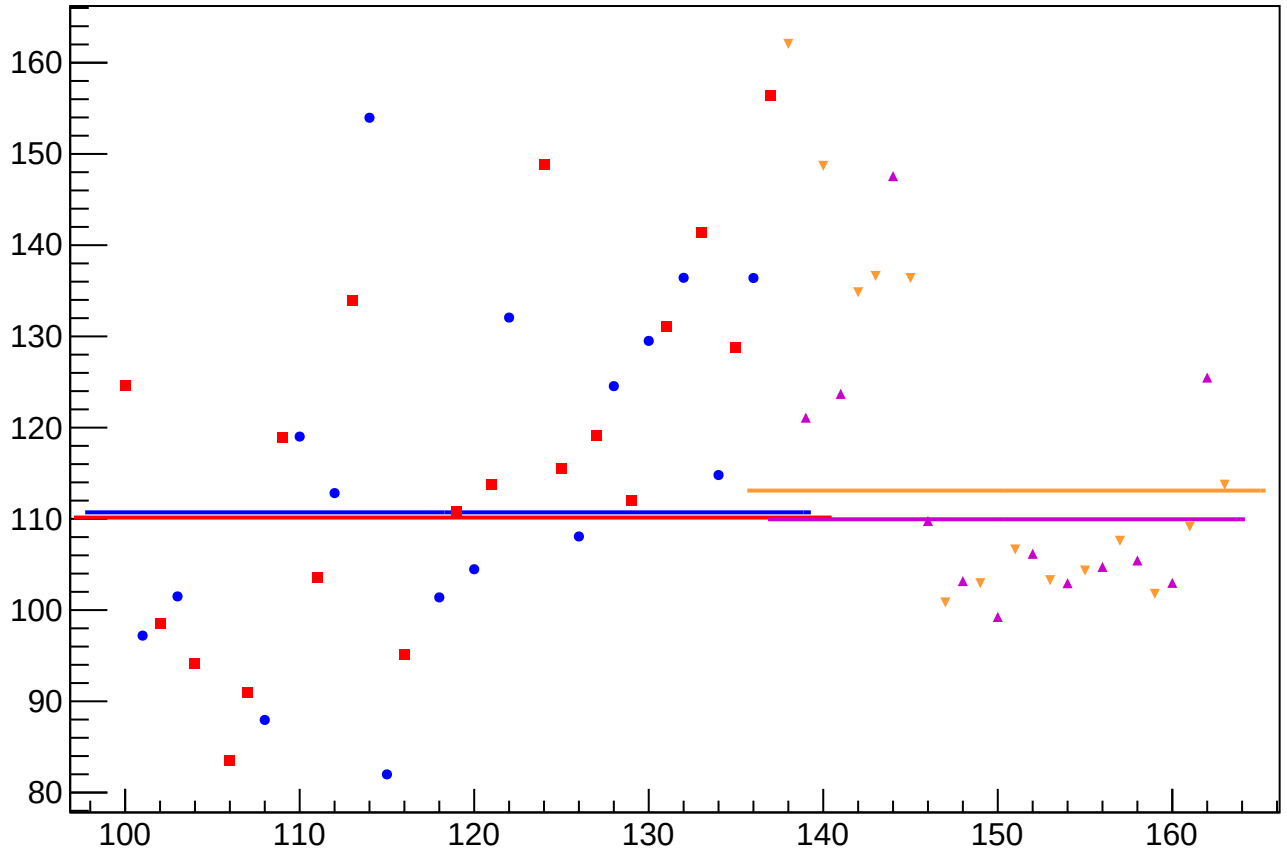
Left: 0.022+/-0.024 χ^2/NDF: 29.8/25

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.037+/-0.027 χ^2/NDF:35.9/27

Out: -0.010+/-0.027 χ^2/NDF:34.8/32

All: 0.013+/-0.019 χ^2/NDF: 72.3/60



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 113.098+/-0.024 χ^2/NDF:443867.0/13

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 109.954+/-0.025 χ^2/NDF:225444.3/11

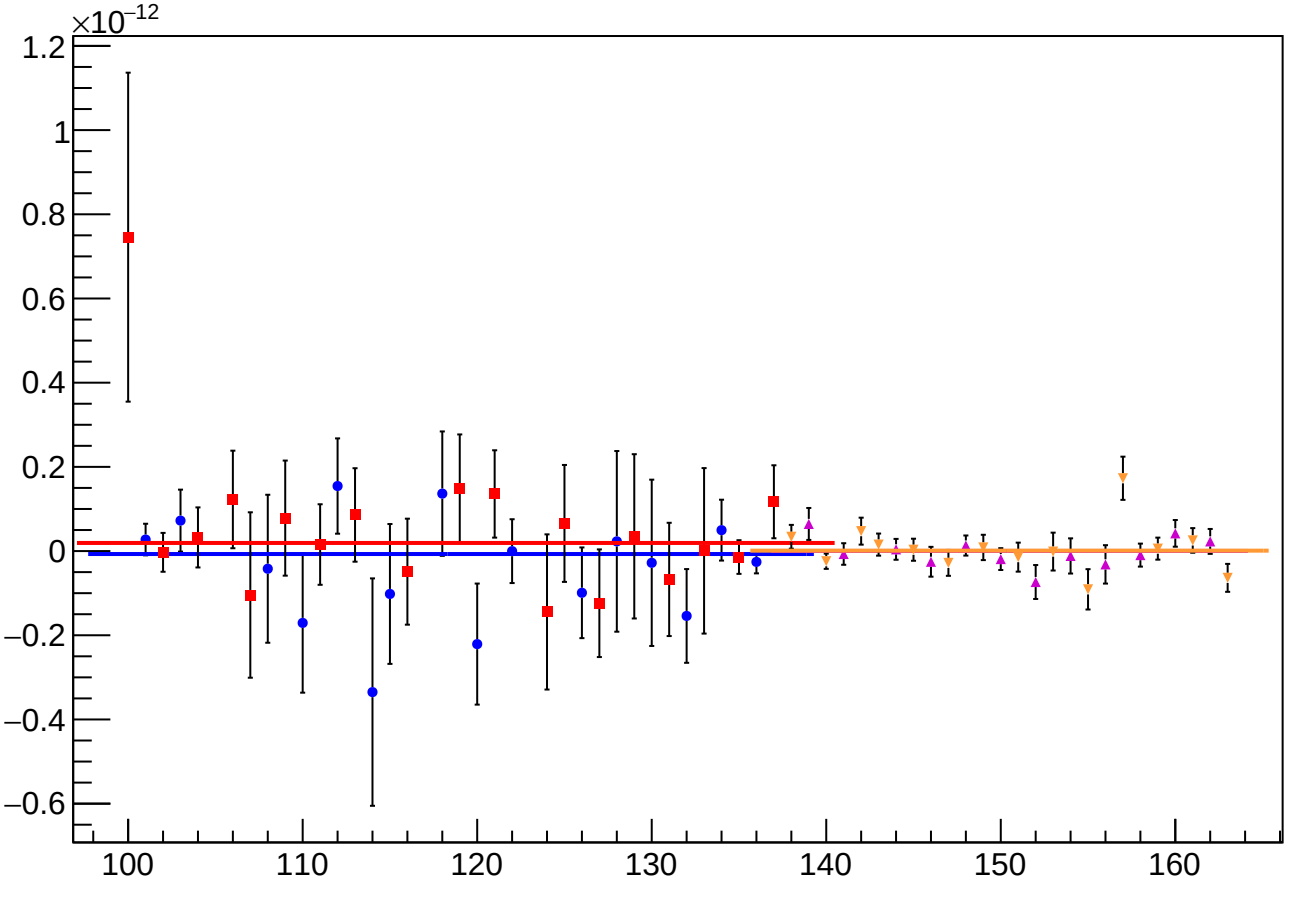
Left: 111.533+/-0.017 χ^2/NDF: 677552.8/25

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 110.260+/-0.019 χ^2/NDF:525778.0/27

Out: 111.882+/-0.019 χ^2/NDF:776580.6/32

All: 111.081+/-0.013 χ^2/NDF: 1306060.3/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/11

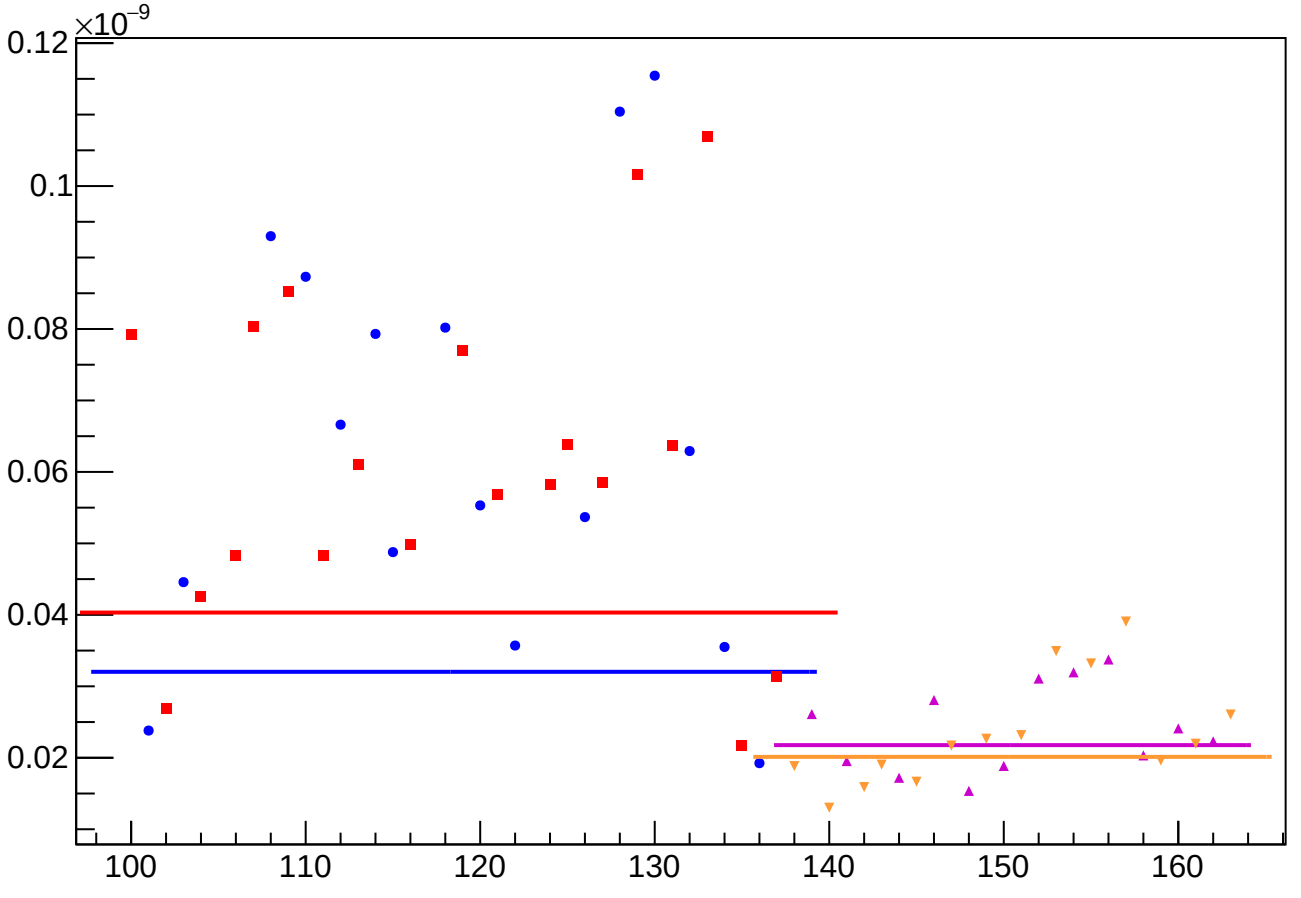
Left: 0.000+/-0.000 χ^2/NDF: 37.0/25

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:24.5/27

Out: 0.000+/-0.000 χ^2/NDF:39.5/32

All: 0.000+/-0.000 χ^2/NDF: 64.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1130824.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:722688.9/11

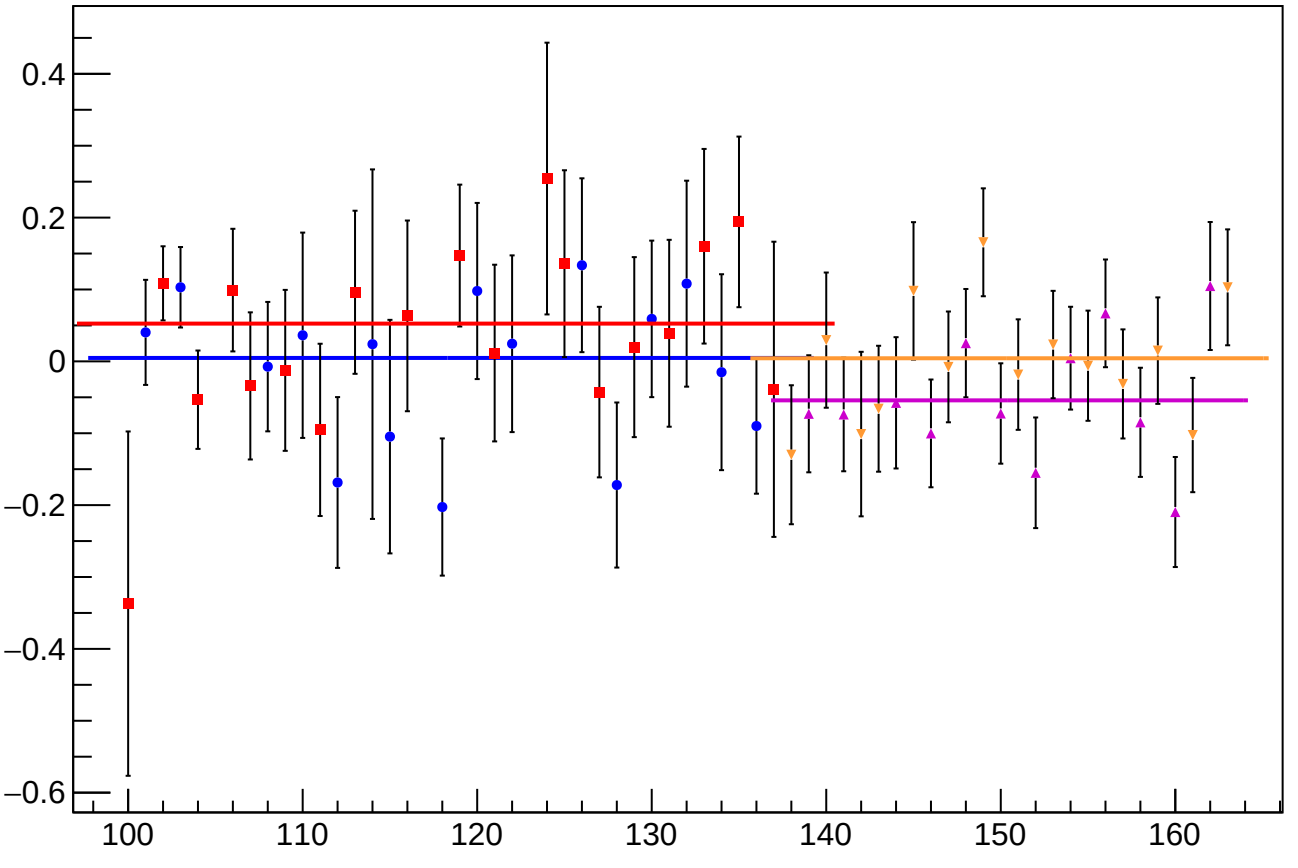
Left: 0.000+/-0.000 χ^2/NDF: 1892303.6/25

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3711241.4/27

Out: 0.000+/-0.000 χ^2/NDF:4601346.6/32

All: 0.000+/-0.000 χ^2/NDF: 8335001.3/60



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.022 χ^2/NDF:12.8/13

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.054+/-0.022 χ^2/NDF:14.1/11

Left: -0.024+/-0.016 χ^2/NDF: 30.4/25

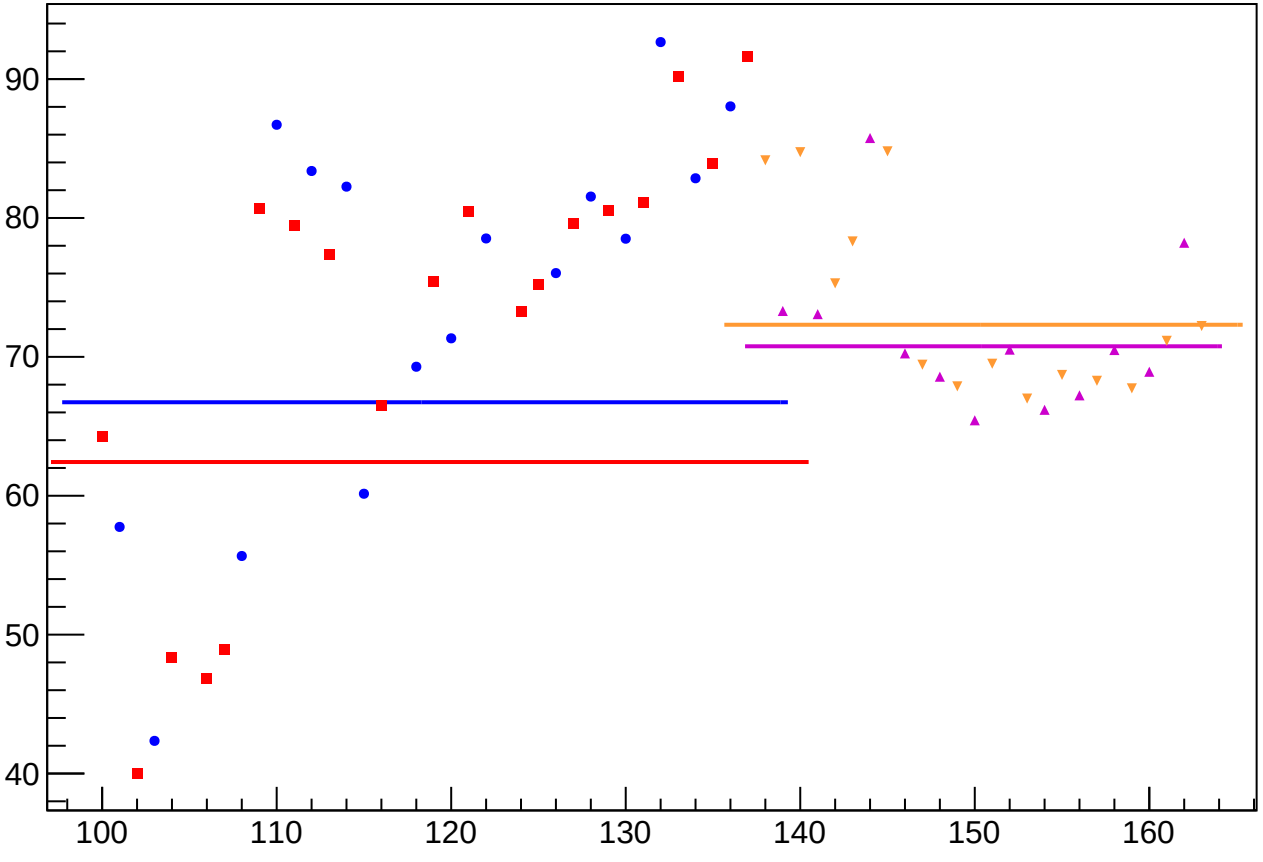
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.017 χ^2/NDF:33.7/27

Out: 0.026+/-0.016 χ^2/NDF:29.8/32

All: -0.000+/-0.012 χ^2/NDF: 69.1/60

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.312+/-0.016 χ^2/NDF:150497.0/13

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.762+/-0.016 χ^2/NDF:98859.1/11

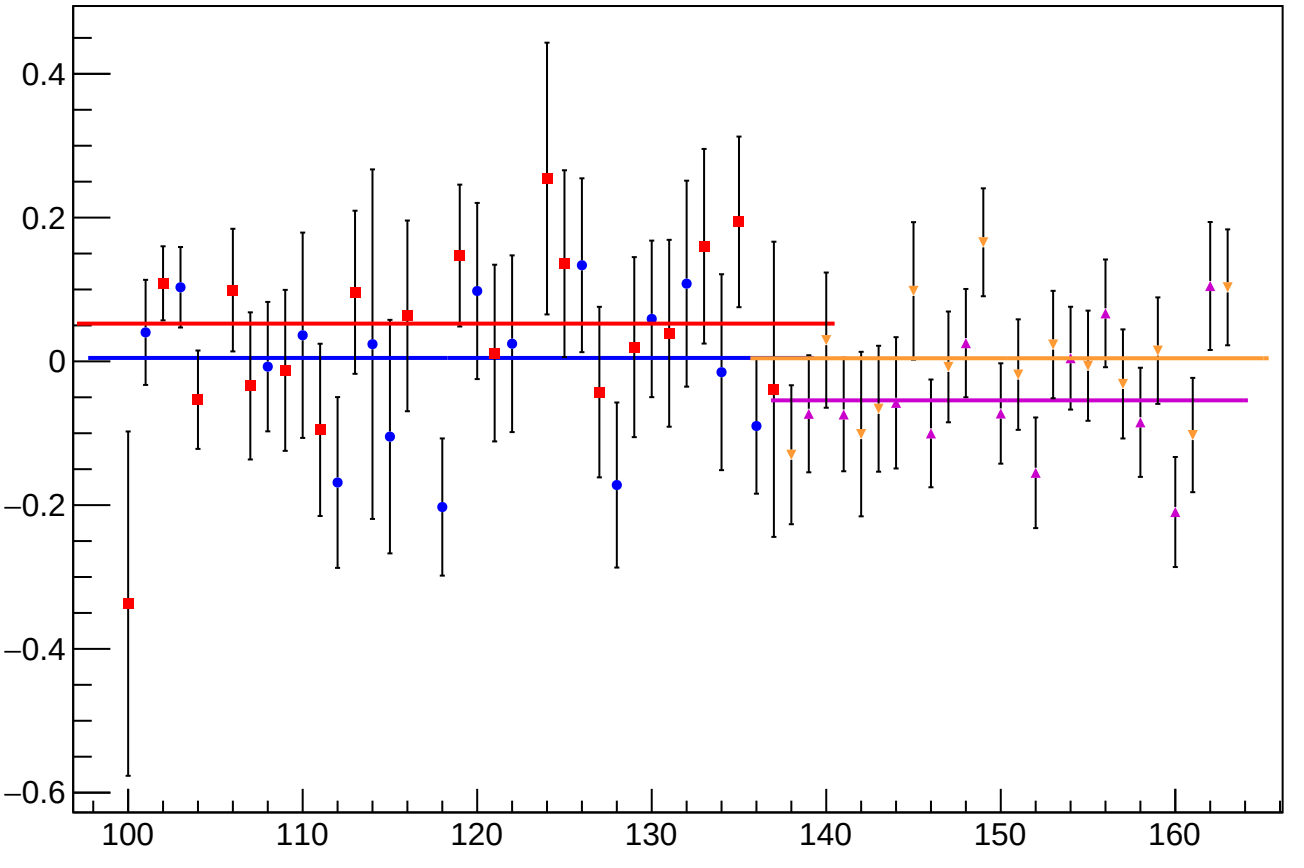
Left: 71.550+/-0.011 χ^2/NDF: 254249.1/25

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.042+/-0.012 χ^2/NDF:943366.5/27

Out: 67.821+/-0.011 χ^2/NDF:1448244.0/32

All: 68.406+/-0.008 χ^2/NDF: 2397039.4/60



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.004+/-0.022 χ^2/NDF:12.8/13

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.054+/-0.022 χ^2/NDF:14.1/11

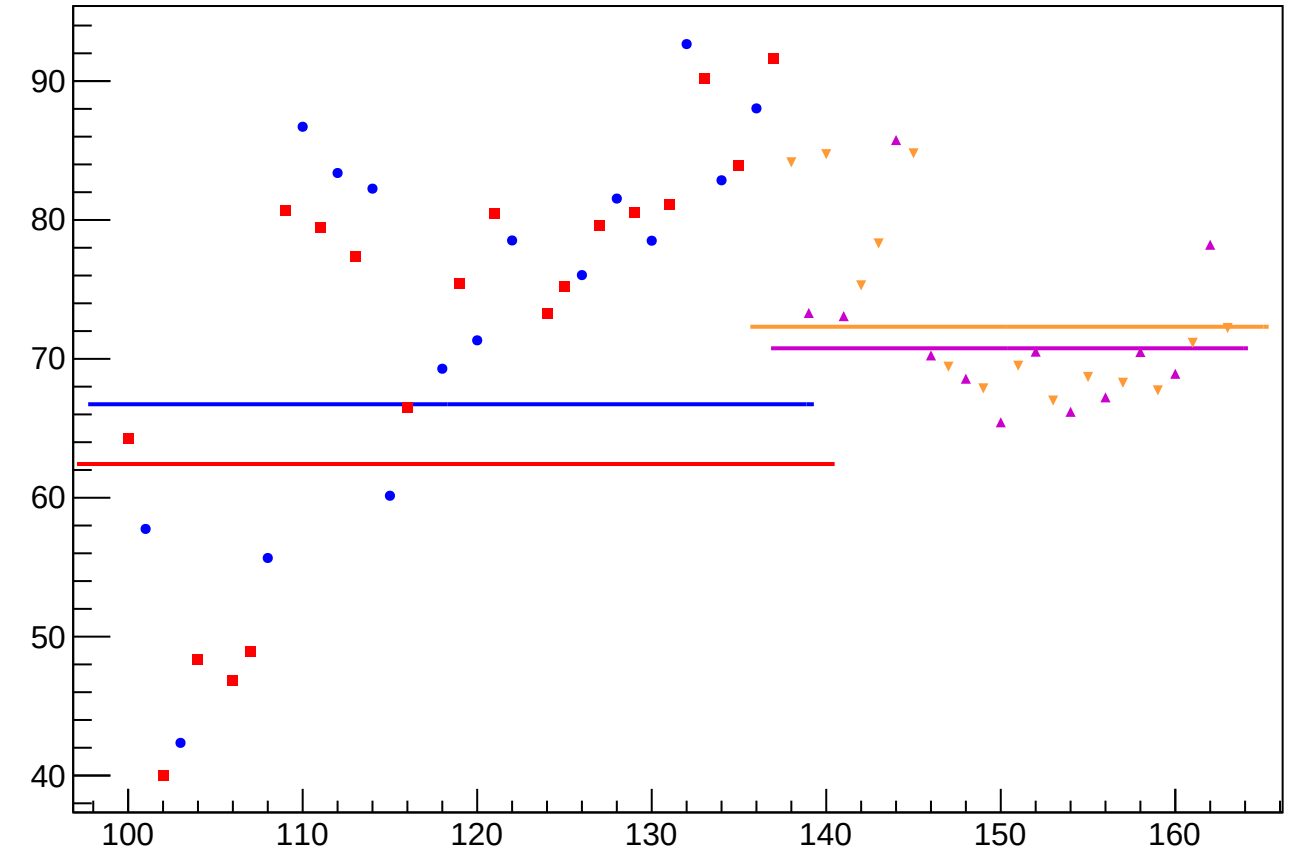
Left: -0.024+/-0.016 χ^2/NDF: 30.4/25

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.017 χ^2/NDF:33.7/27

Out: 0.026+/-0.016 χ^2/NDF:29.8/32

All: -0.000+/-0.012 χ^2/NDF: 69.1/60



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.312+/-0.016 χ^2/NDF:150497.0/13

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 70.762+/-0.016 χ^2/NDF:98859.1/11

Left: 71.550+/-0.011 χ^2/NDF: 254249.1/25

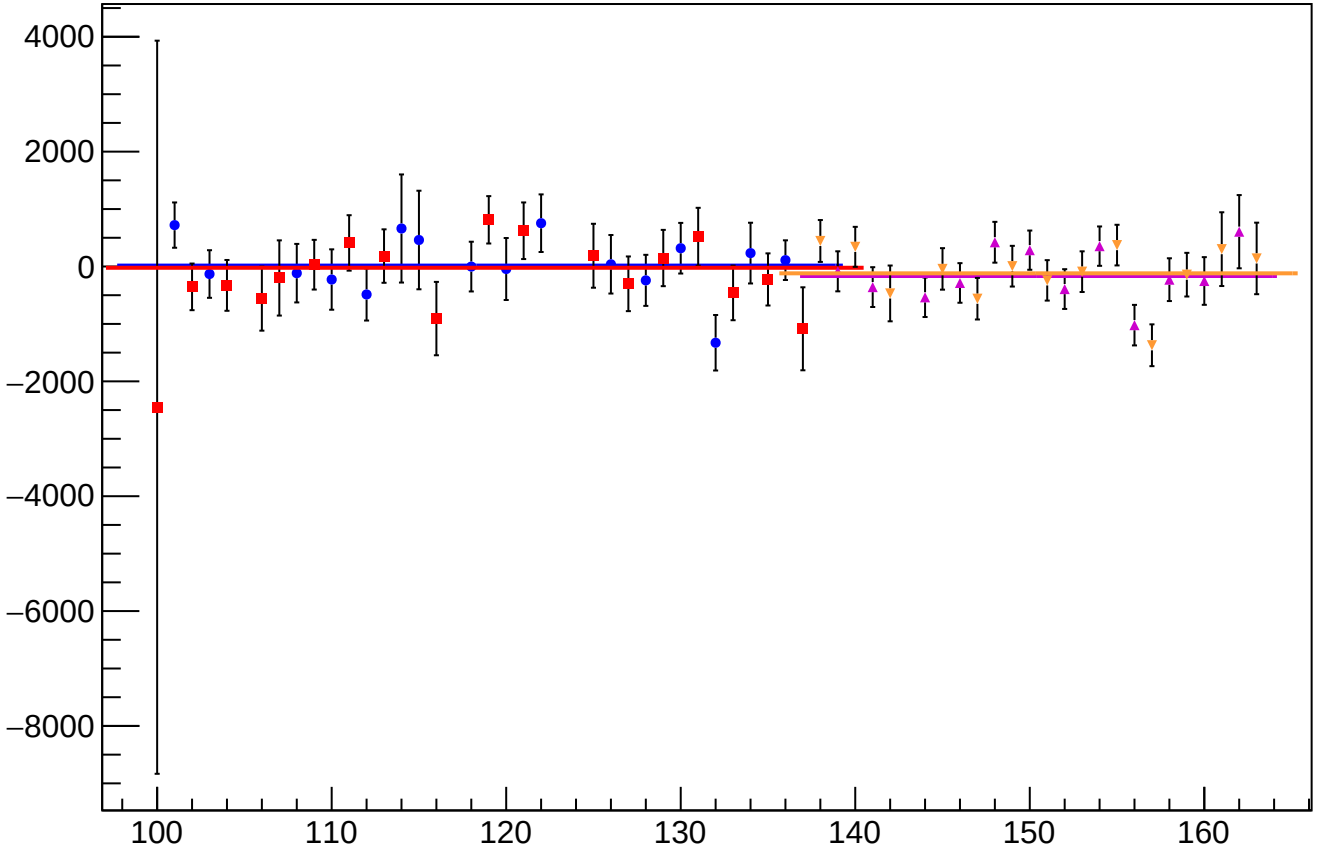
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.042+/-0.012 χ^2/NDF:943366.5/27

Out: 67.821+/-0.011 χ^2/NDF:1448244.0/32

All: 68.406+/-0.008 χ^2/NDF: 2397039.4/60

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -119.036+/-107.359 χ^2/NDF:20.8/12

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -165.493+/-105.229 χ^2/NDF:16.3/11

Left: -142.730+/-75.150 χ^2/NDF: 37.2/24

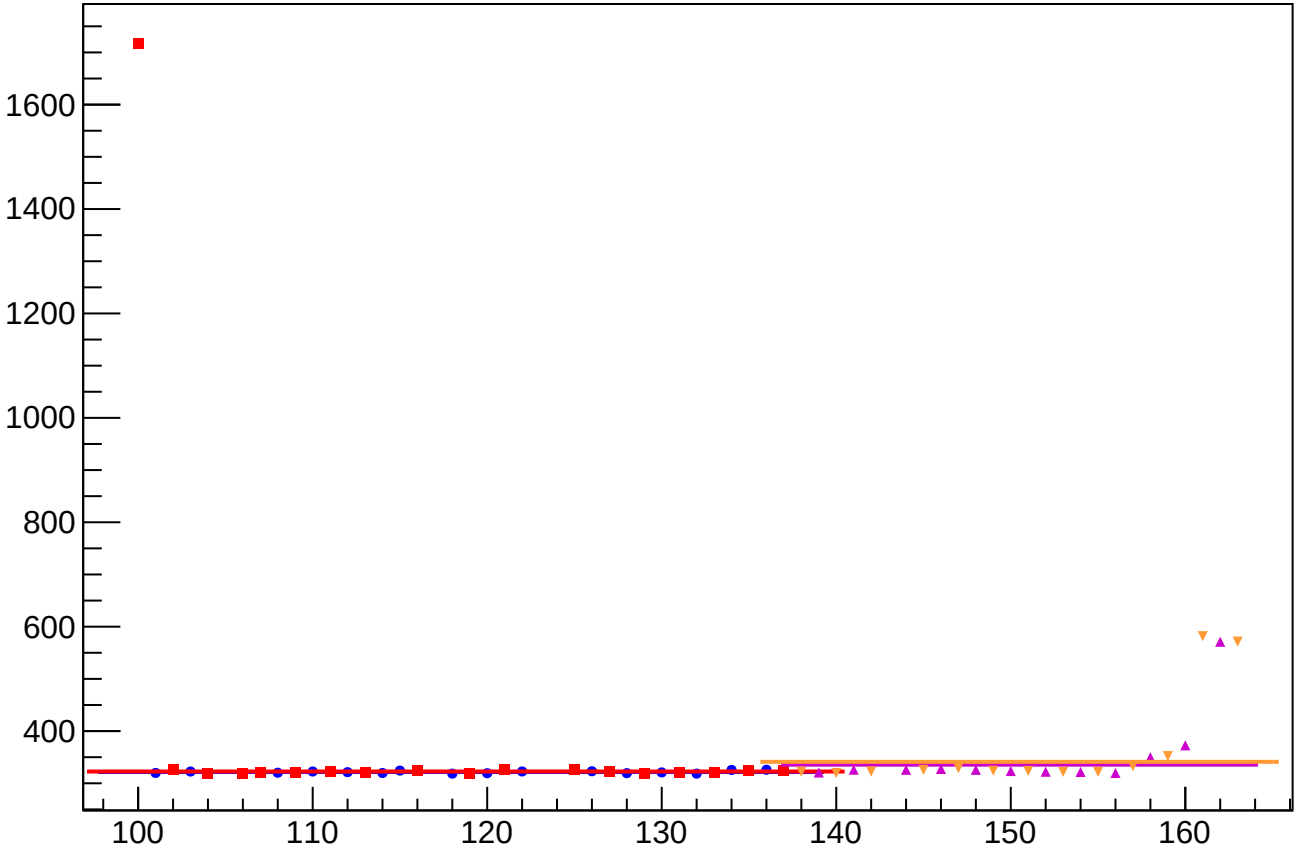
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -86.385+/-78.954 χ^2/NDF:34.1/27

Out: -75.645+/-79.777 χ^2/NDF:37.2/30

All: -81.071+/-56.118 χ^2/NDF: 71.3/58

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 341.123+/-0.076 χ^2/NDF:599863.2/12

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 335.694+/-0.074 χ^2/NDF:314027.2/11

Left: 338.354+/-0.053 χ^2/NDF: 916498.7/24

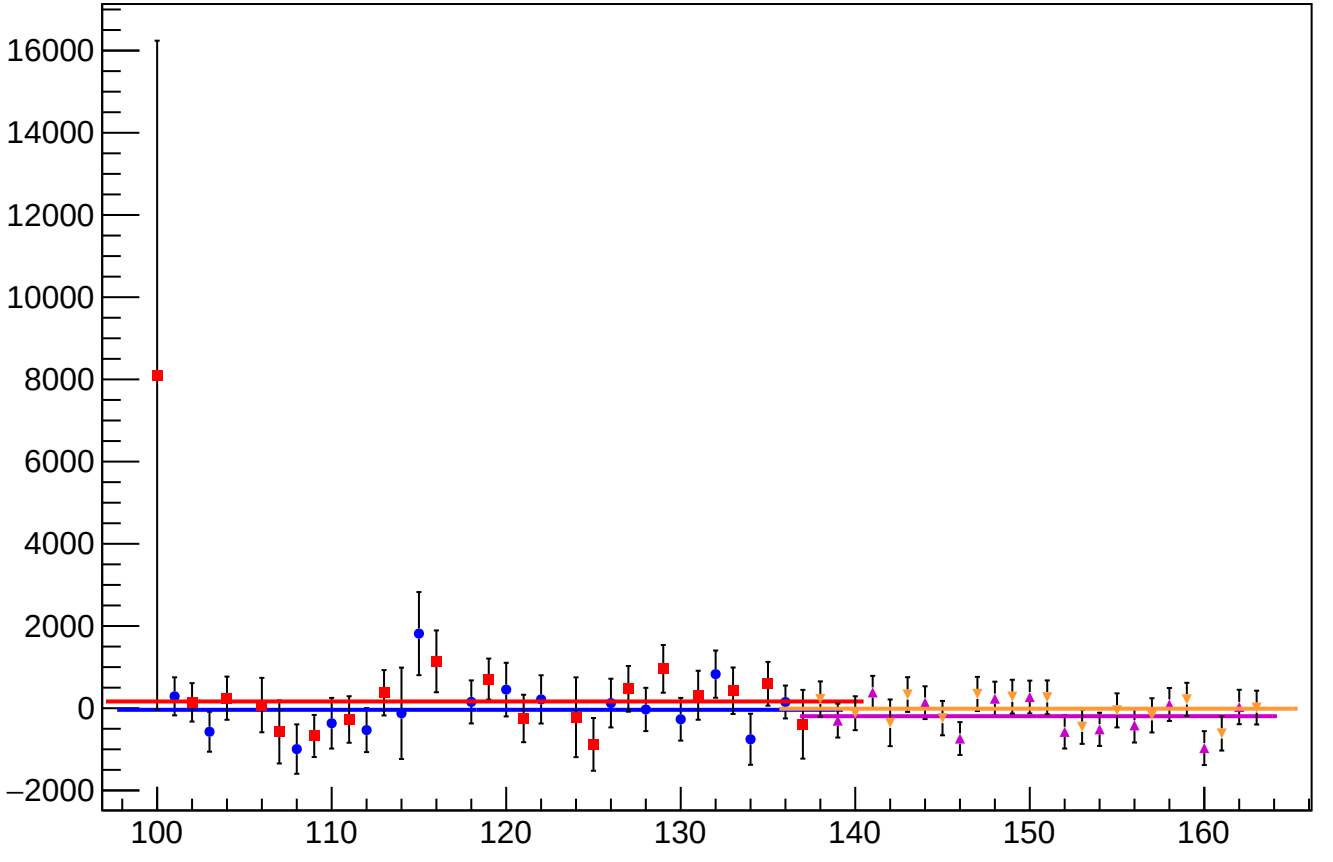
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 329.536+/-0.056 χ^2/NDF:330521.2/27

Out: 332.807+/-0.056 χ^2/NDF:723552.2/30

All: 331.154+/-0.040 χ^2/NDF: 1055771.4/58

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -11.957+/-112.795 χ^2/NDF:7.1/13

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -194.419+/-117.485 χ^2/NDF:13.2/11

Left: -99.473+/-81.365 χ^2/NDF: 21.6/25

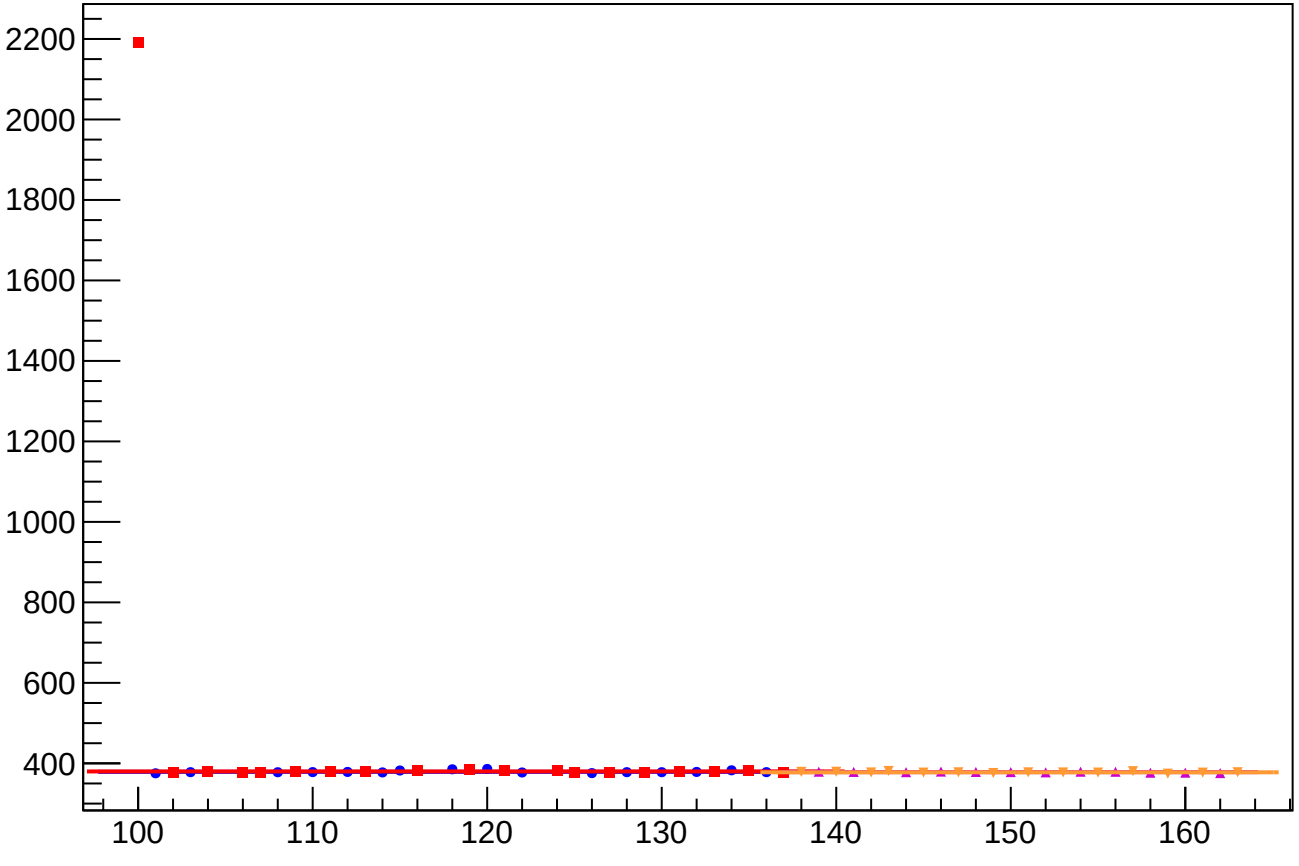
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -130.547+/-90.185 χ^2/NDF:27.7/27

Out: 58.182+/-87.576 χ^2/NDF:23.2/32

All: -33.413+/-62.828 χ^2/NDF: 53.1/60

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.745+/-0.080 χ^2/NDF:454.5/13

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.197+/-0.083 χ^2/NDF:183.4/11

Left: 377.962+/-0.058 χ^2/NDF: 653.3/25

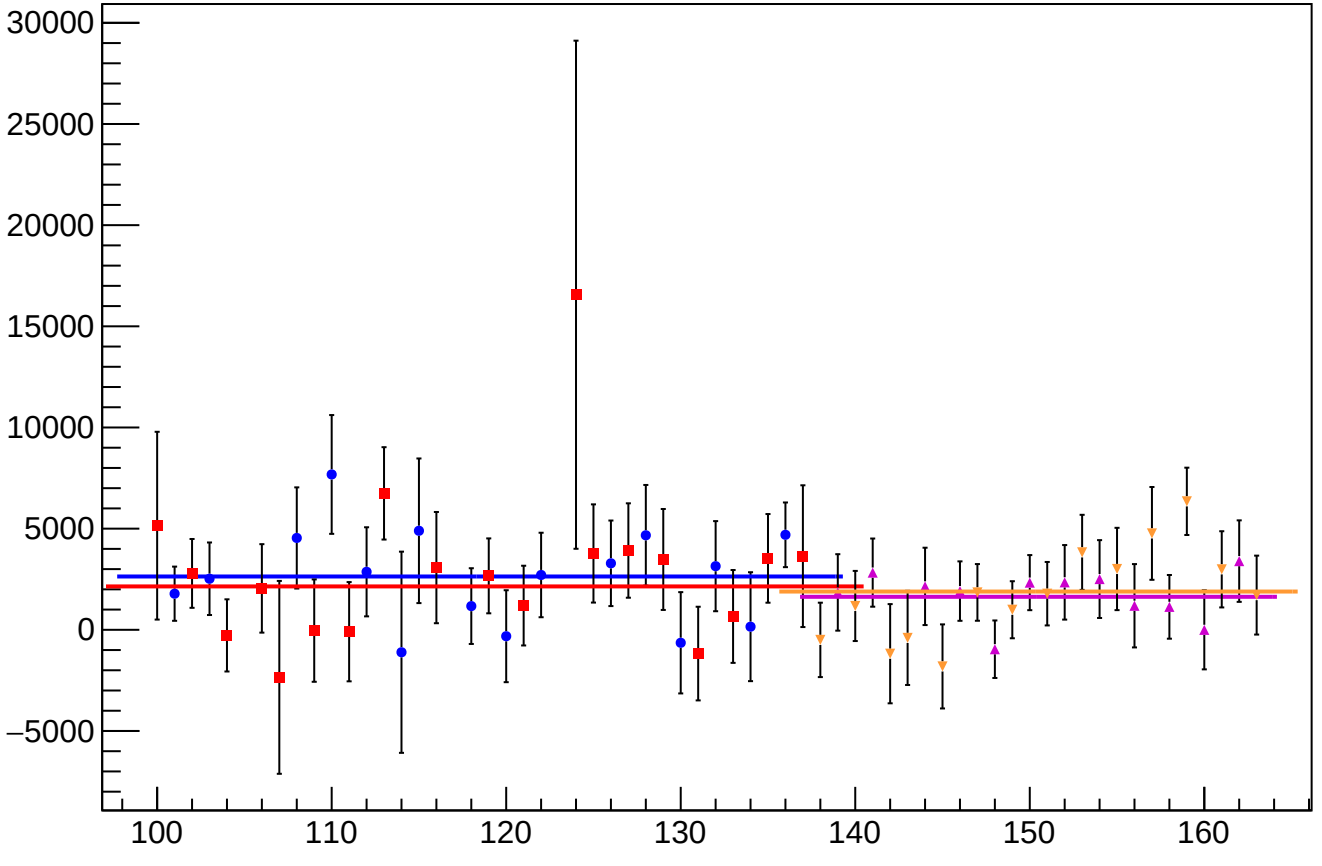
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.490+/-0.064 χ^2/NDF:1064.8/27

Out: 378.592+/-0.062 χ^2/NDF:100360.0/32

All: 378.542+/-0.044 χ^2/NDF: 101426.2/60

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1891.275+/-484.541 χ^2/NDF:18.5/13

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1631.222+/-492.867 χ^2/NDF:6.2/11

Left: 1763.464+/-345.528 χ^2/NDF: 24.8/25

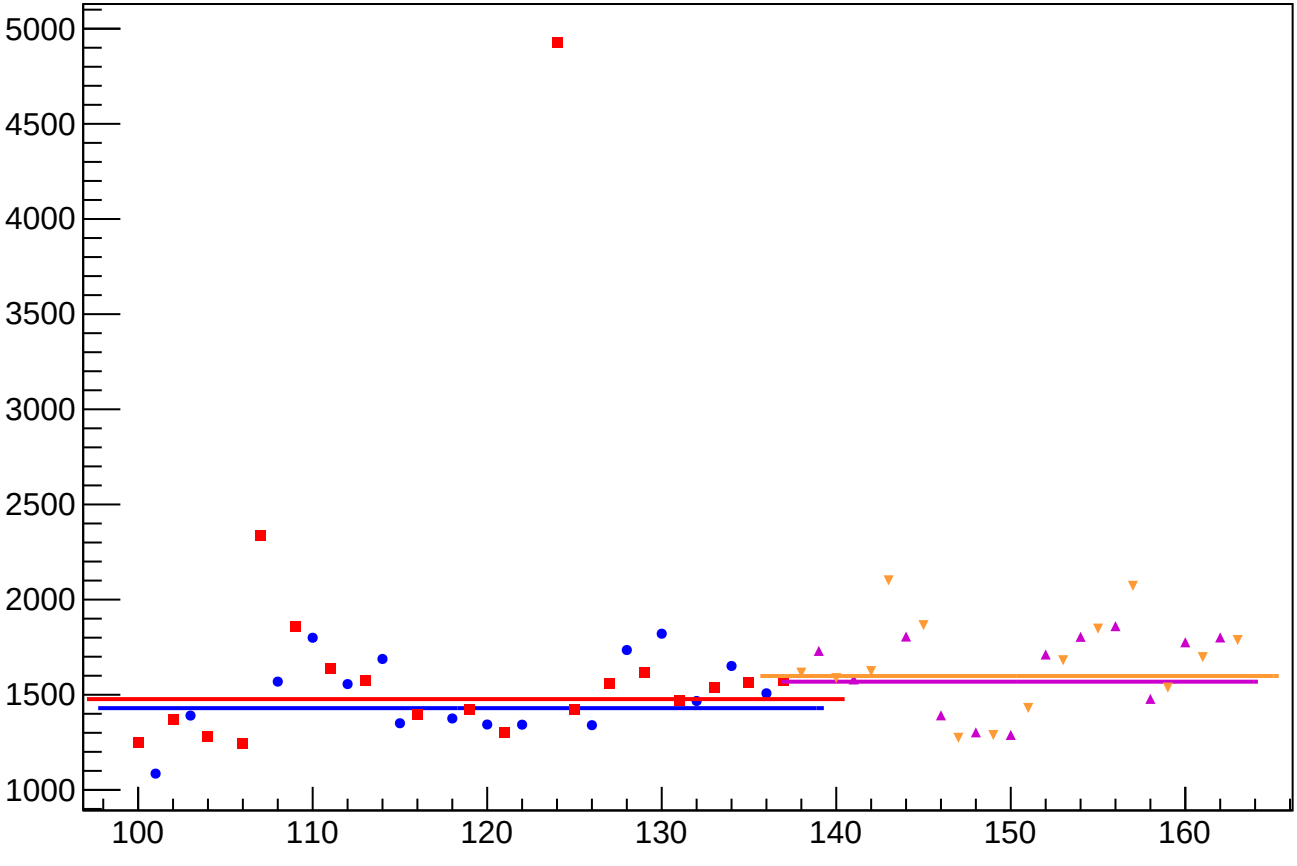
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2089.397+/-363.430 χ^2/NDF:20.3/27

Out: 2002.650+/-362.693 χ^2/NDF:33.6/32

All: 2045.935+/-256.723 χ^2/NDF: 54.0/60

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1598.629+/-0.343 χ^2/NDF:500530.7/13

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1568.640+/-0.349 χ^2/NDF:367078.0/11

Left: 1583.890+/-0.244 χ^2/NDF: 871374.2/25

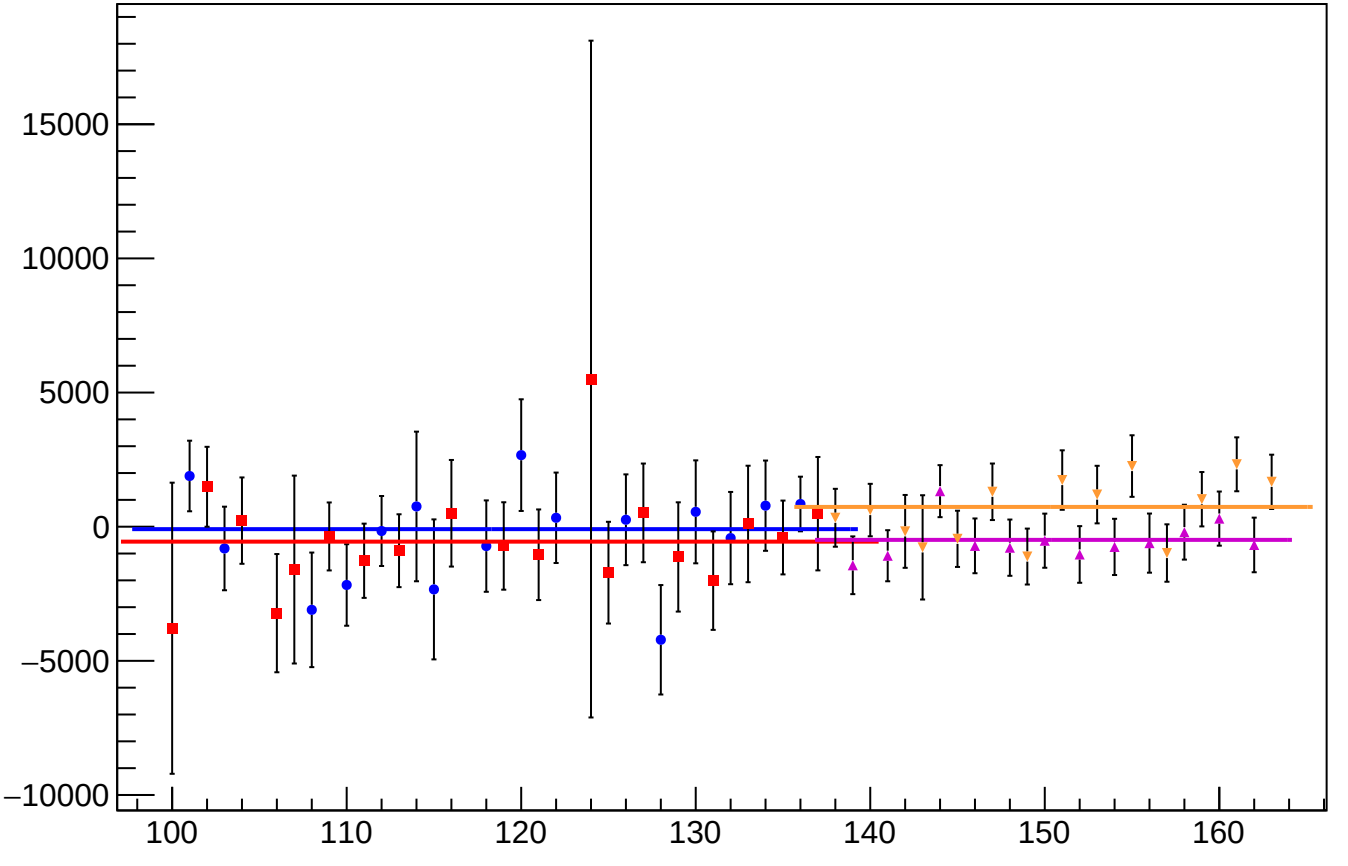
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1505.225+/-0.257 χ^2/NDF:733032.9/27

Out: 1545.204+/-0.256 χ^2/NDF:925259.1/32

All: 1525.255+/-0.182 χ^2/NDF: 1670417.5/60

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 737.060+/-292.335 χ^2/NDF:14.7/13

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -491.002+/-295.939 χ^2/NDF:5.9/11

Left: 130.551+/-207.975 χ^2/NDF: 29.3/25

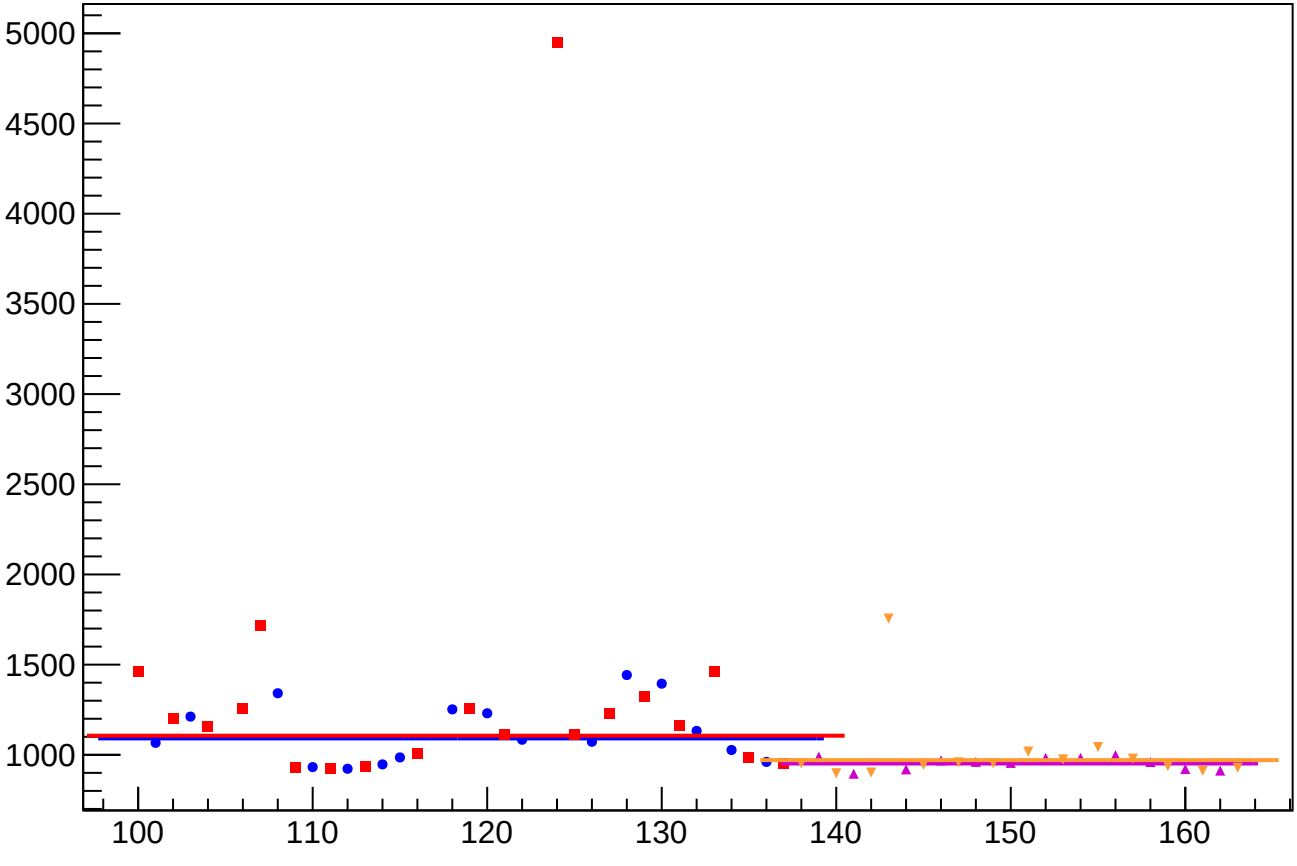
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -354.072+/-239.951 χ^2/NDF:21.0/27

Out: 302.856+/-238.289 χ^2/NDF:28.0/32

All: -23.325+/-169.080 χ^2/NDF: 52.8/60

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 970.599+/-0.207 χ^2/NDF:369379.8/13

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 951.916+/-0.209 χ^2/NDF:24474.9/11

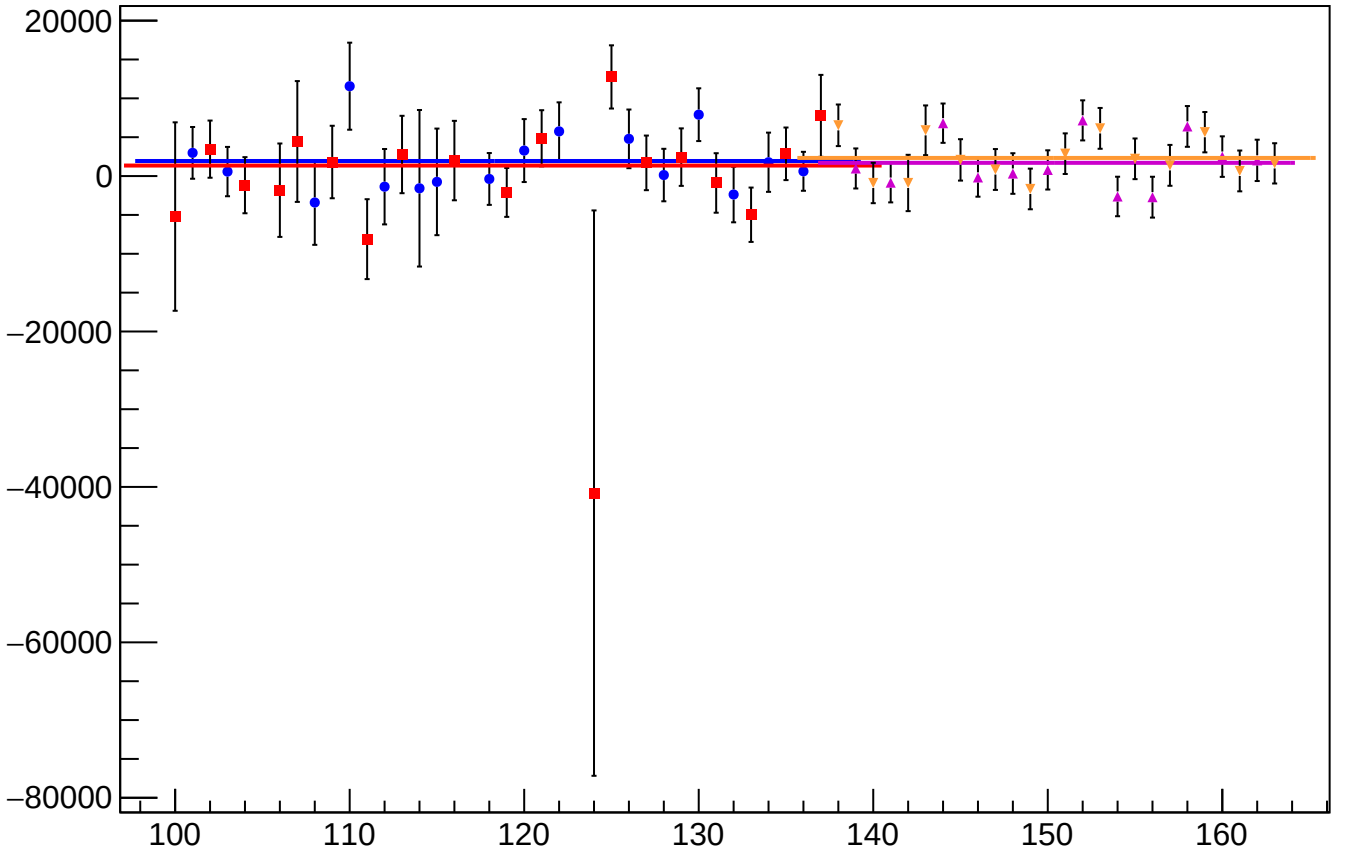
Left: 961.372+/-0.147 χ^2/NDF: 397888.9/25

Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 999.578+/-0.170 χ^2/NDF:453206.5/27

Out: 1016.052+/-0.168 χ^2/NDF:1027556.6/32

All: 1007.872+/-0.120 χ^2/NDF: 1485509.2/60



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.081+/-722.106 χ^2/NDF:13.1/13

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1702.487+/-743.026 χ^2/NDF:19.6/11

Left: 2026.786+/-517.844 χ^2/NDF: 33.1/25

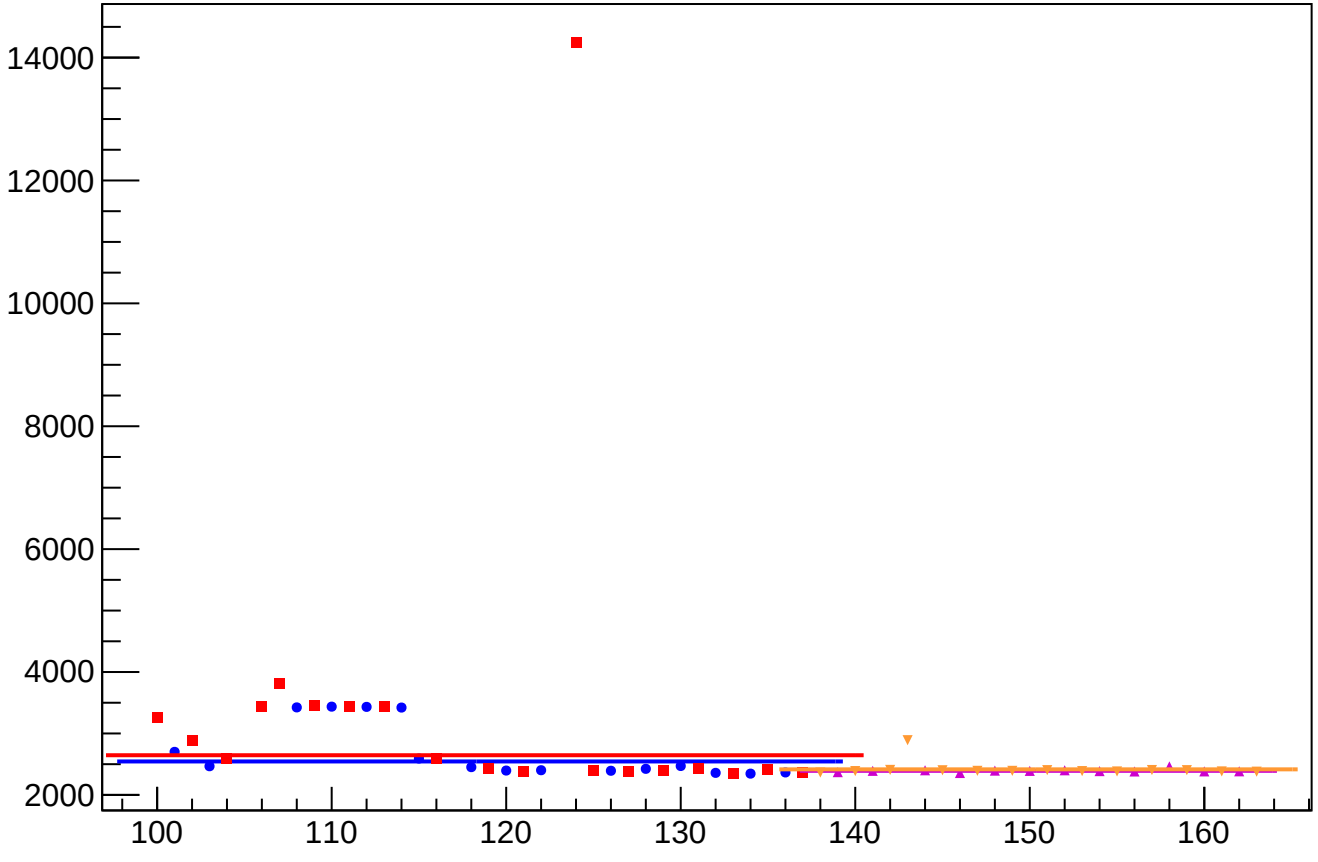
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1792.207+/-585.864 χ^2/NDF:31.9/27

Out: 1990.680+/-582.398 χ^2/NDF:35.5/32

All: 1892.032+/-413.038 χ^2/NDF: 67.5/60

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.8/13

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2391.895+/-0.525 χ^2/NDF:2189.9/11

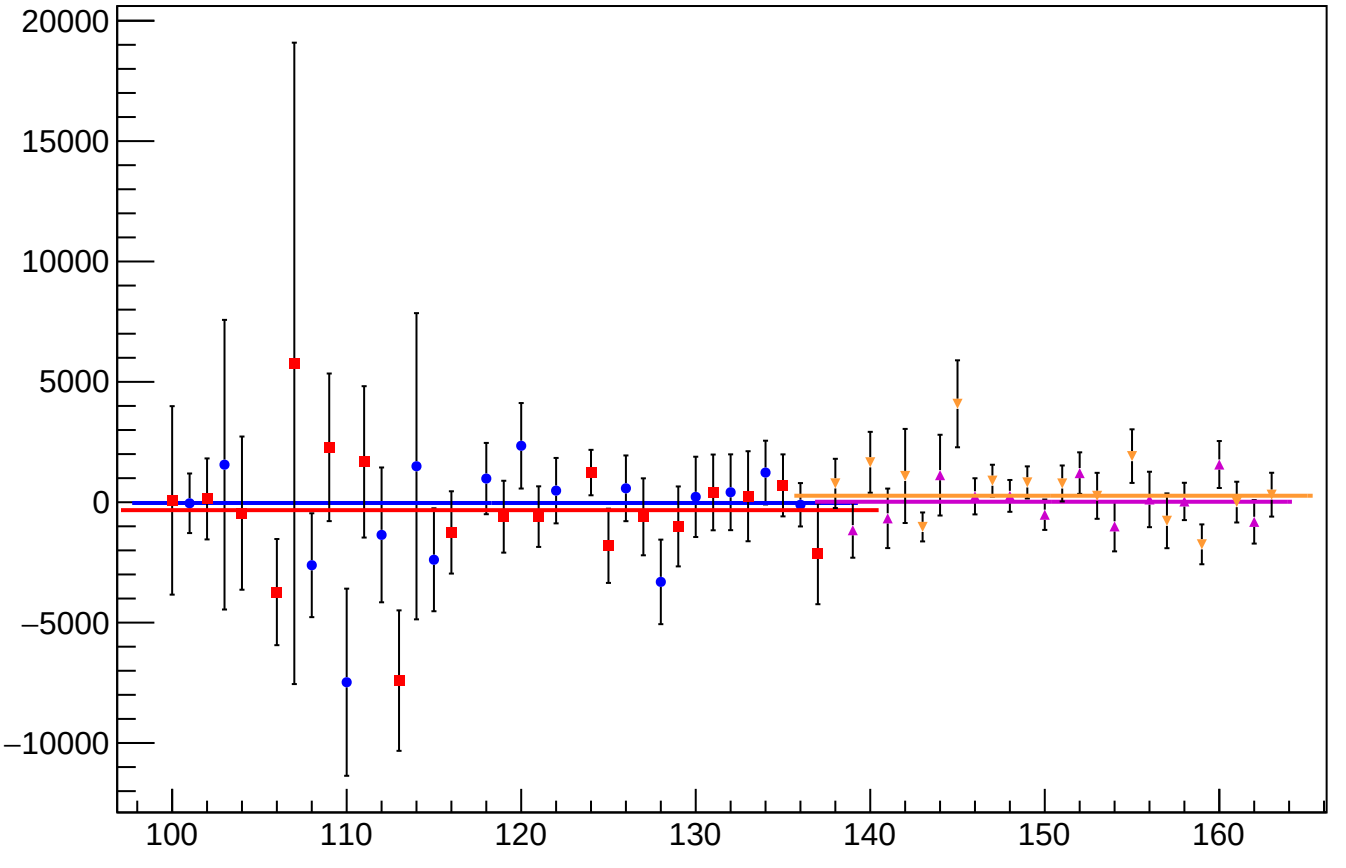
Left: 2404.212+/-0.366 χ^2/NDF: 50123.3/25

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2449.593+/-0.414 χ^2/NDF:259683.2/27

Out: 2496.164+/-0.412 χ^2/NDF:654623.8/32

All: 2473.017+/-0.292 χ^2/NDF: 920663.4/60



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 270.405+/-235.833 χ^2/NDF:21.9/13

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 19.691+/-255.553 χ^2/NDF:9.0/11

Left: 155.093+/-173.312 χ^2/NDF: 31.4/25

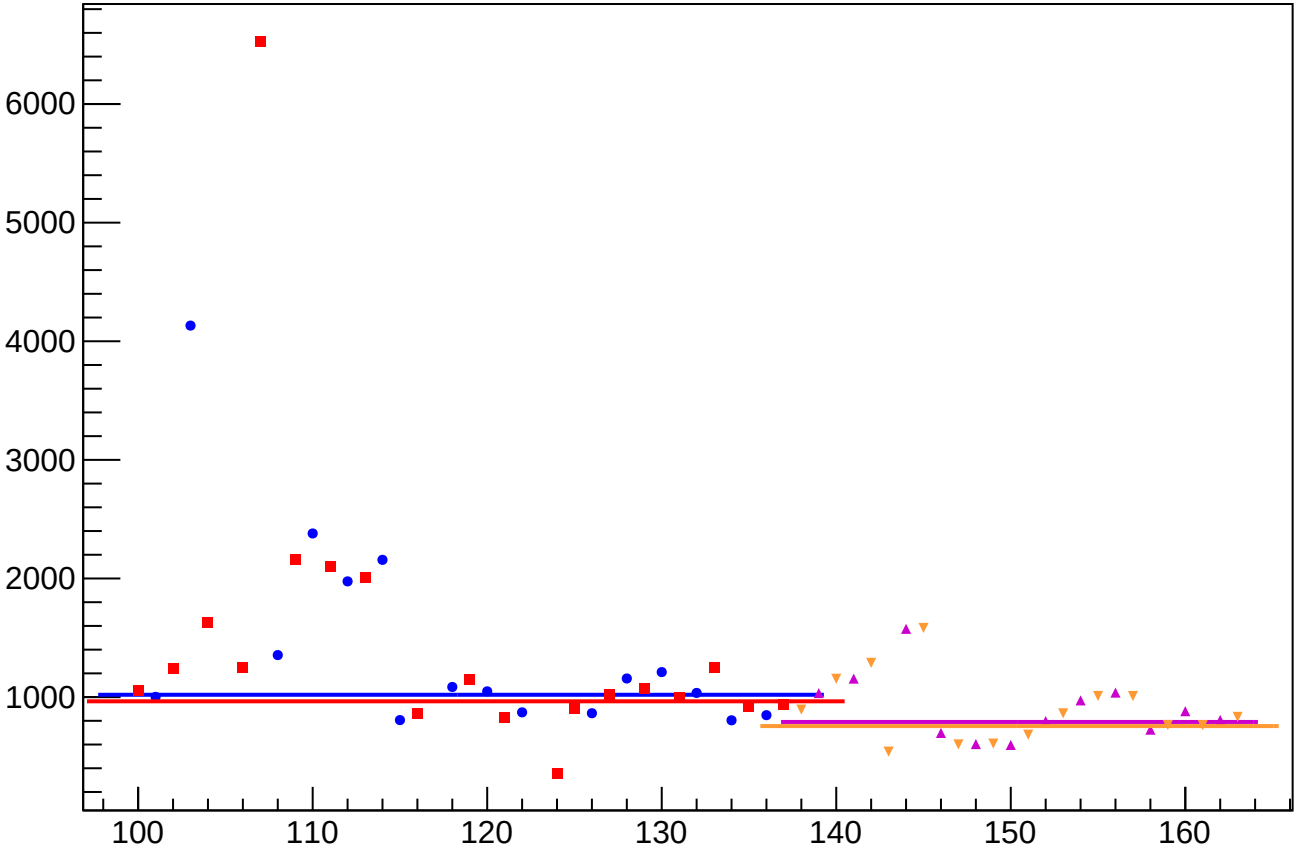
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 5.238+/-216.234 χ^2/NDF:22.8/27

Out: 115.104+/-202.964 χ^2/NDF:39.2/32

All: 63.645+/-147.986 χ^2/NDF: 62.1/60

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 755.648+/-0.167 χ^2/NDF:1531057.7/13

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 790.429+/-0.181 χ^2/NDF:1267277.0/11

Left: 771.645+/-0.123 χ^2/NDF: 2818342.0/25

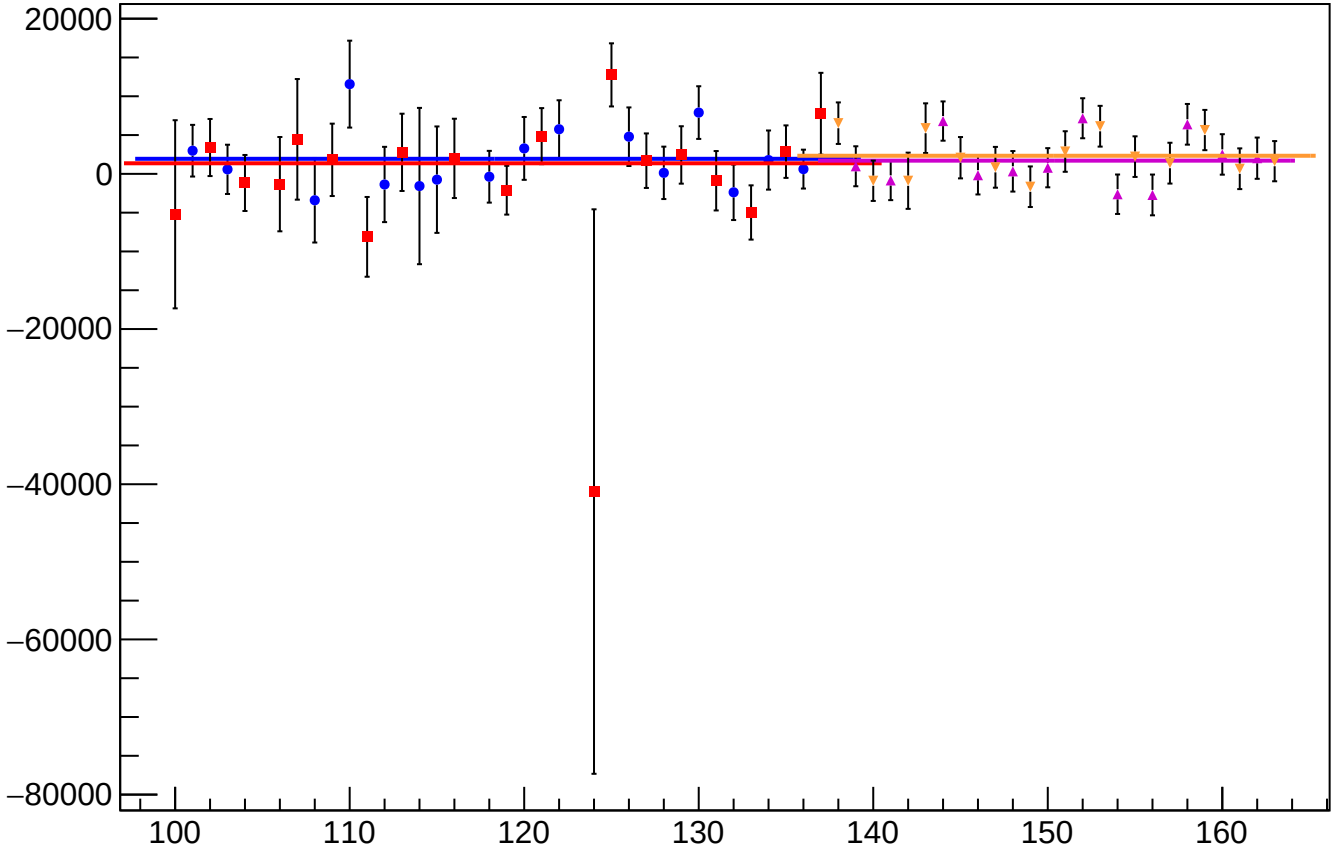
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 855.501+/-0.153 χ^2/NDF:3088563.3/27

Out: 809.776+/-0.144 χ^2/NDF:4246700.7/32

All: 831.193+/-0.105 χ^2/NDF: 7382807.7/60

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1702.605+/-743.026 χ^2/NDF:19.6/11

Left: 2026.804+/-517.844 χ^2/NDF: 33.1/25

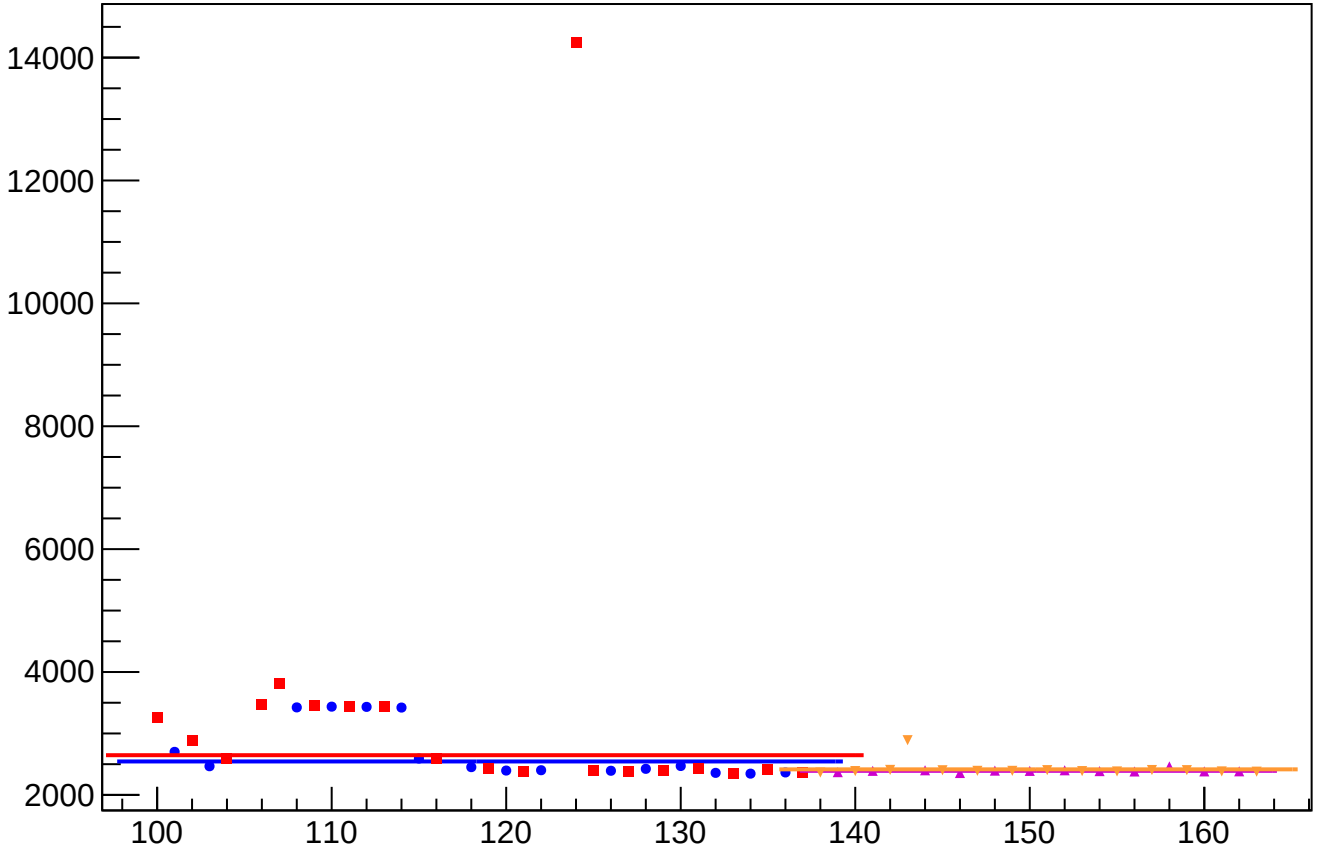
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1792.412+/-585.864 χ^2/NDF:31.9/27

Out: 1994.142+/-582.461 χ^2/NDF:35.4/32

All: 1893.864+/-413.060 χ^2/NDF: 67.4/60

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2391.895+/-0.525 χ^2/NDF:2189.9/11

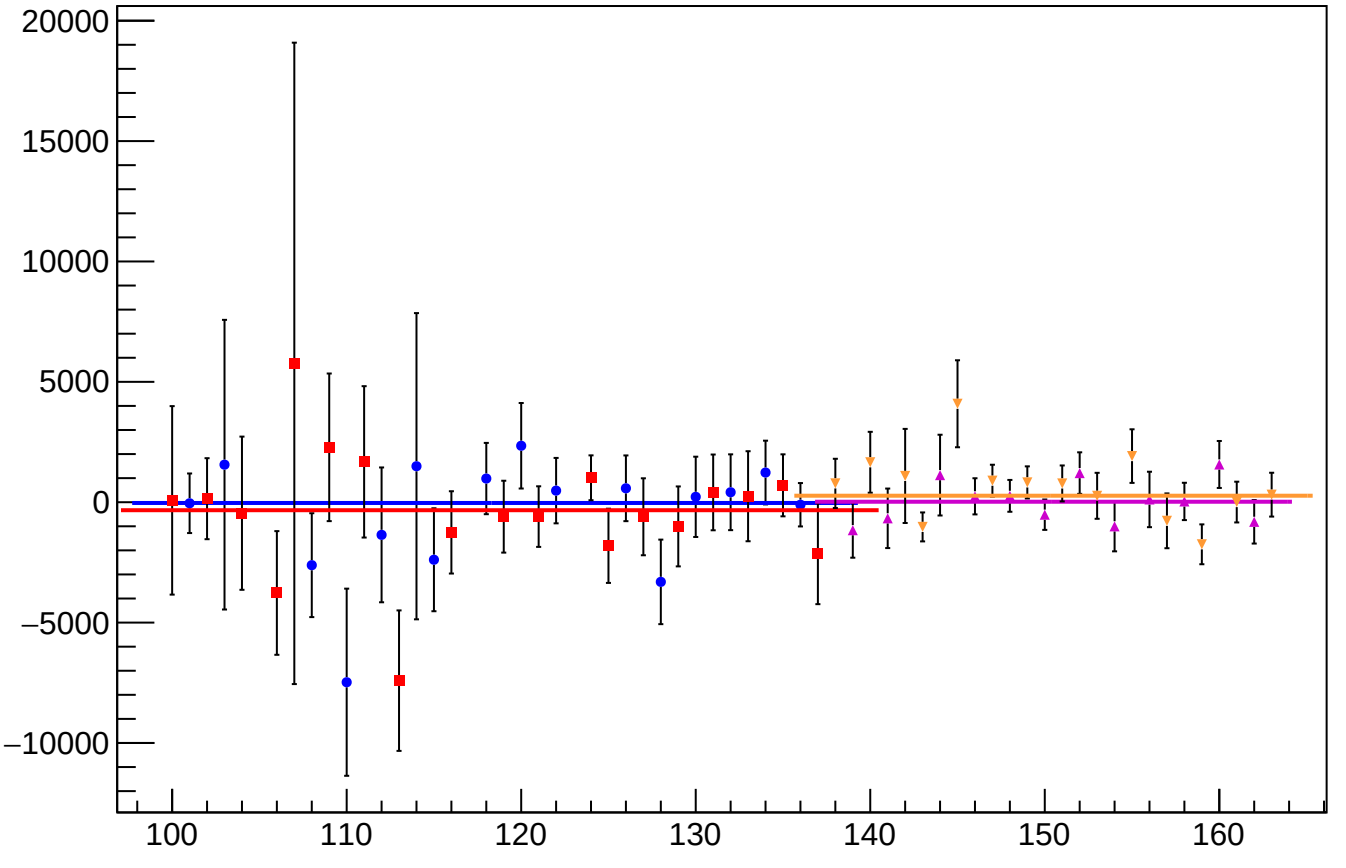
Left: 2404.212+/-0.366 χ^2/NDF: 50123.3/25

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2449.593+/-0.414 χ^2/NDF:259683.2/27

Out: 2496.326+/-0.412 χ^2/NDF:657520.3/32

All: 2473.096+/-0.292 χ^2/NDF: 923603.7/60



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 19.793+/-255.553 χ^2/NDF:9.0/11

Left: 155.101+/-173.313 χ^2/NDF: 31.4/25

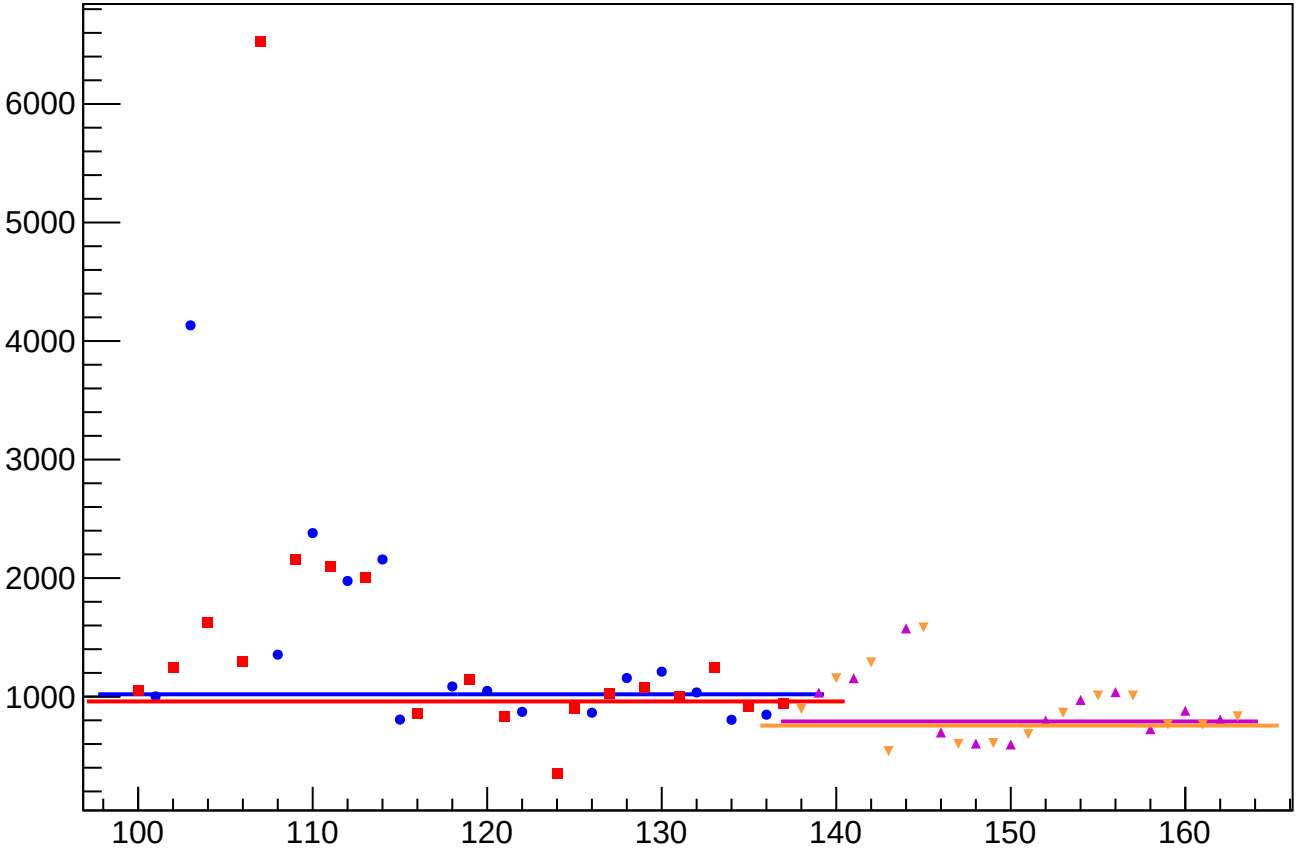
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 5.294+/-216.234 χ^2/NDF:22.8/27

Out: 114.588+/-203.068 χ^2/NDF:37.9/32

All: 63.370+/-148.026 χ^2/NDF: 60.9/60

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 755.661+/-0.167 χ^2/NDF:1531044.5/13

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 790.428+/-0.181 χ^2/NDF:1267395.3/11

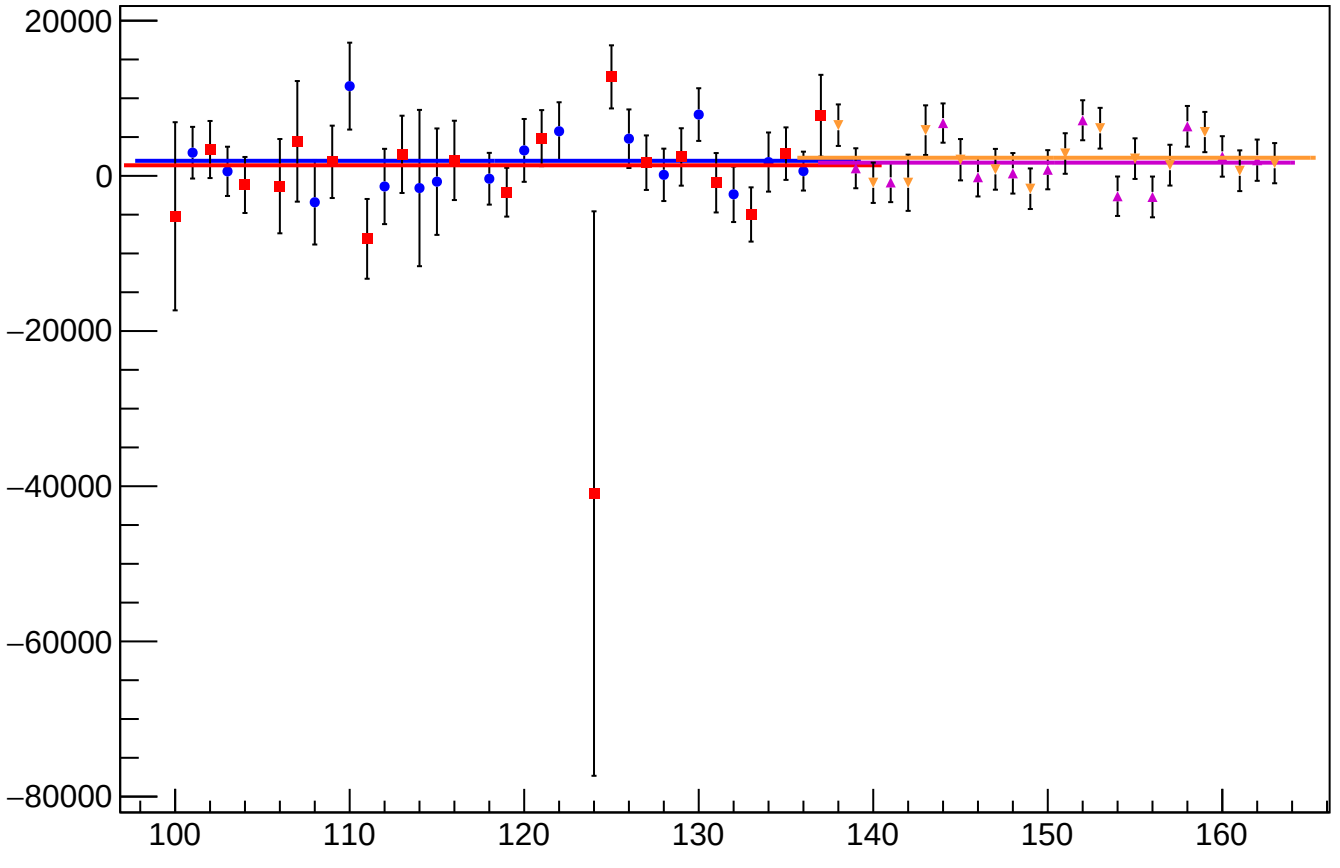
Left: 771.652+/-0.123 χ^2/NDF: 2818431.2/25

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 855.499+/-0.153 χ^2/NDF:3088648.1/27

Out: 808.331+/-0.144 χ^2/NDF:4261246.8/32

All: 830.435+/-0.105 χ^2/NDF: 7400462.7/60



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2333.005+/-722.106 χ^2/NDF:13.1/13

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1702.605+/-743.026 χ^2/NDF:19.6/11

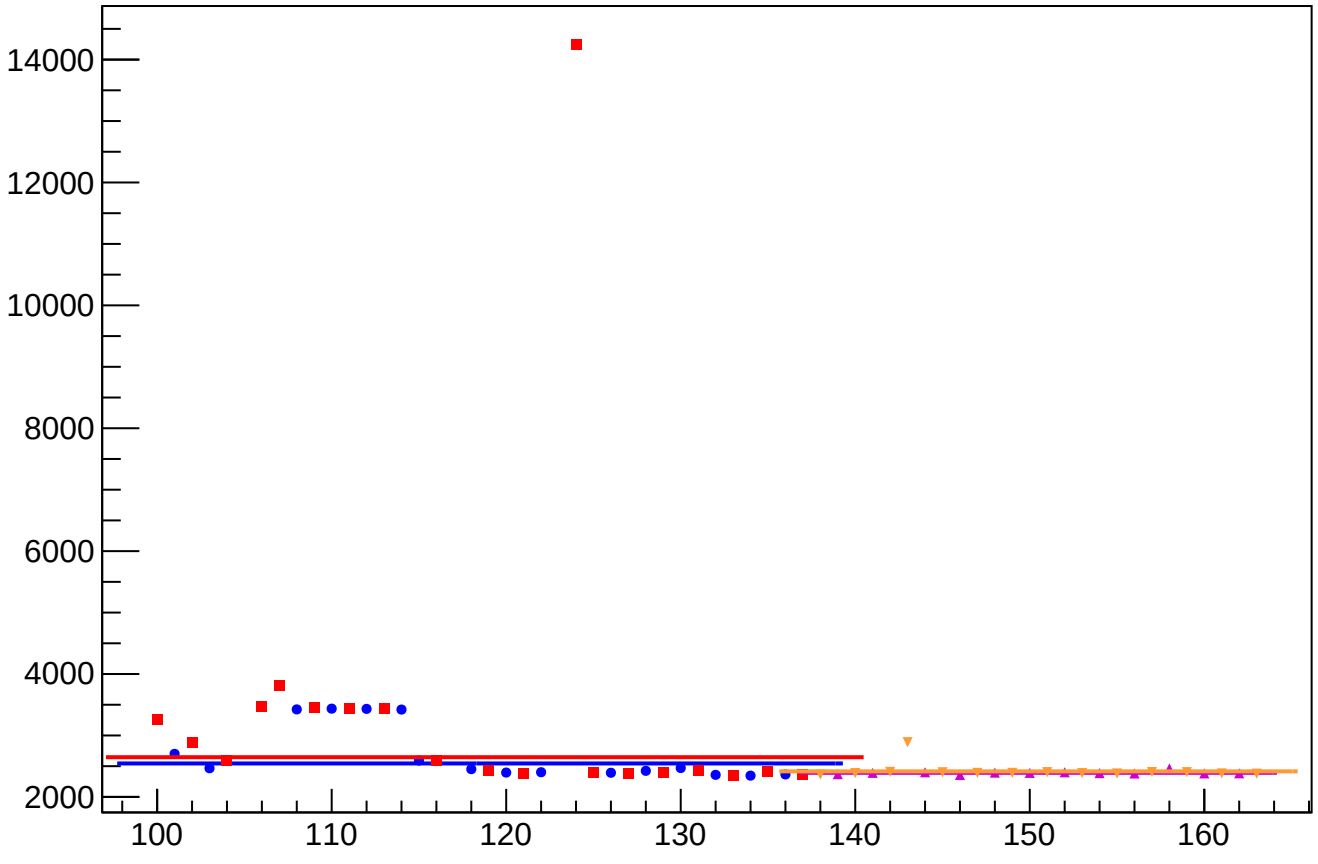
Left: 2026.804+/-517.844 χ^2/NDF: 33.1/25

Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1792.412+/-585.864 χ^2/NDF:31.9/27

Out: 1994.142+/-582.461 χ^2/NDF:35.4/32

All: 1893.864+/-413.060 χ^2/NDF: 67.4/60



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2415.846+/-0.511 χ^2/NDF:46864.7/13

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2391.895+/-0.525 χ^2/NDF:2189.9/11

Left: 2404.212+/-0.366 χ^2/NDF: 50123.3/25

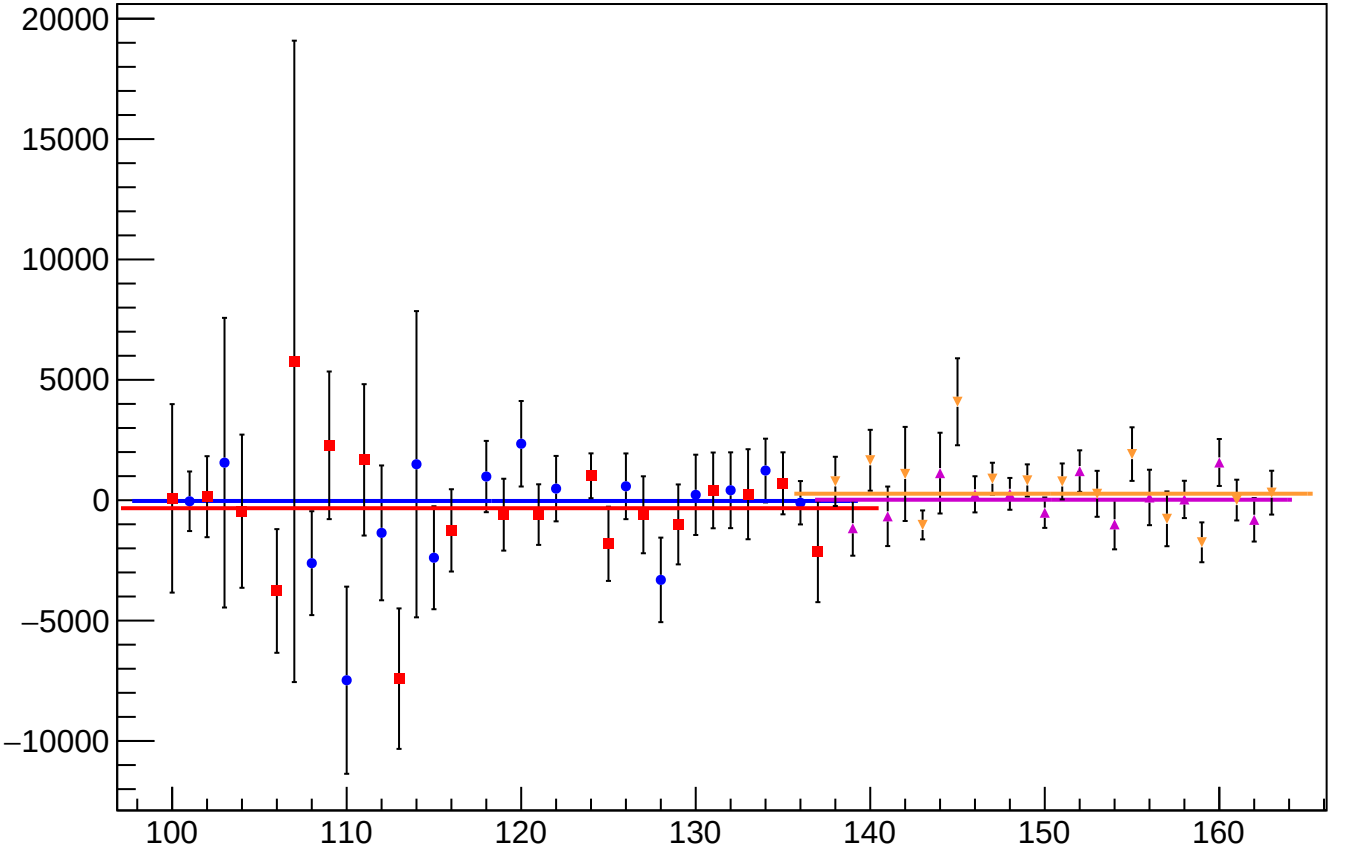
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2449.593+/-0.414 χ^2/NDF:259683.2/27

Out: 2496.326+/-0.412 χ^2/NDF:657520.3/32

All: 2473.096+/-0.292 χ^2/NDF: 923603.7/60

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 270.335+/-235.836 χ^2/NDF:21.9/13

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 19.793+/-255.553 χ^2/NDF:9.0/11

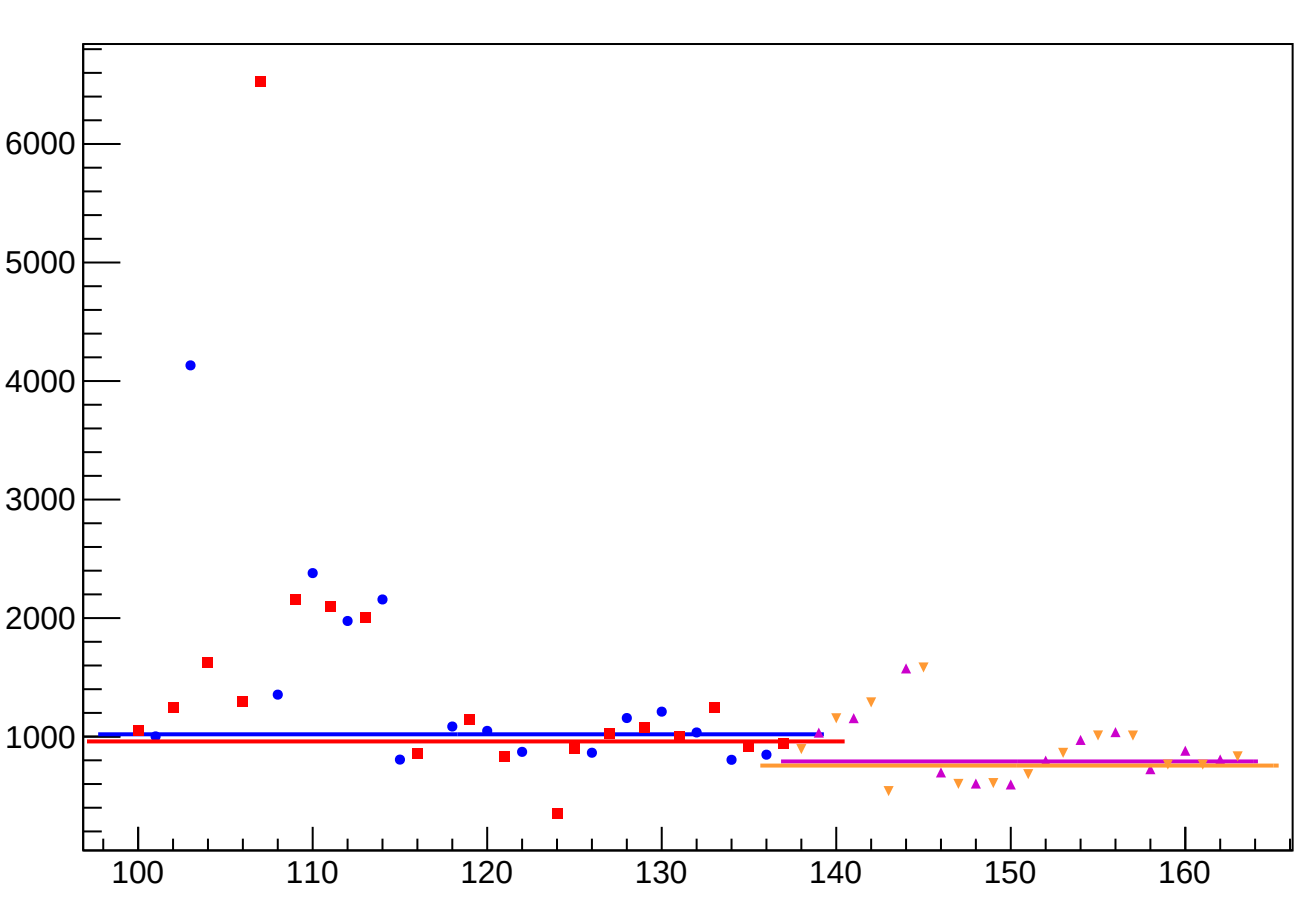
Left: 155.101+/-173.313 χ^2/NDF: 31.4/25

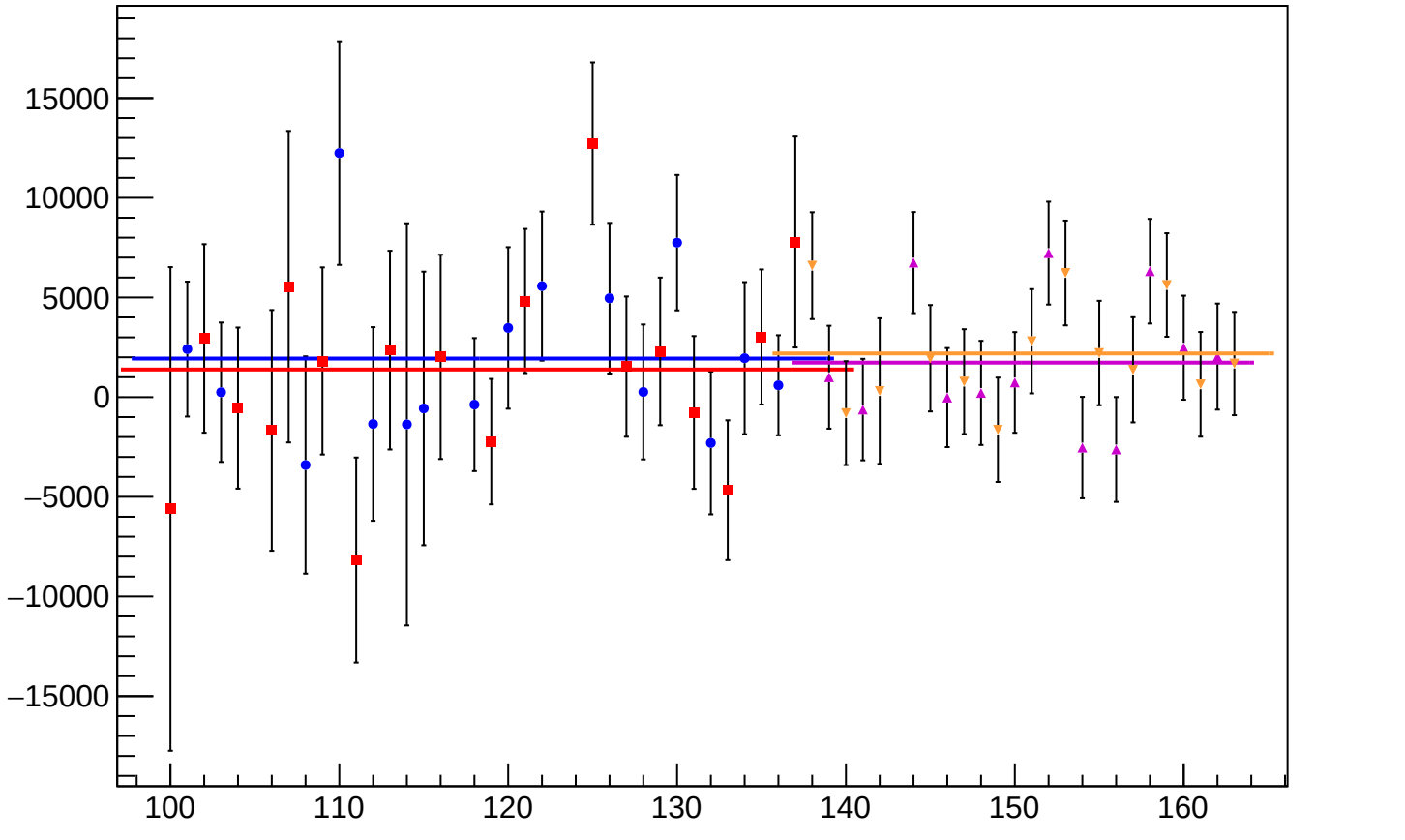
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 5.294+/-216.234 χ^2/NDF:22.8/27

Out: 114.588+/-203.068 χ^2/NDF:37.9/32

All: 63.370+/-148.026 χ^2/NDF: 60.9/60


asym_atl1_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1019.514+/-0.287 χ²/NDF: 1364741.0/15
Left Out: 755.661+/-0.167 χ²/NDF:1531044.5/13
Right Out: 959.344+/-0.282 χ²/NDF: 2344434.8/18
Left In: 790.428+/-0.181 χ²/NDF:1267395.3/11
Left: 771.652+/-0.123 χ²/NDF: 2818431.2/25
Right: 988.952+/-0.201 χ²/NDF: 3731518.7/34
In: 855.499+/-0.153 χ²/NDF:3088648.1/27
Out: 808.331+/-0.144 χ²/NDF:4261246.8/32
All: 830.435+/-0.105 χ²/NDF: 7400462.7/60



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1731.598+/-743.700 χ^2/NDF:19.1/11

Left: 1962.702+/-525.336 χ^2/NDF: 30.6/24

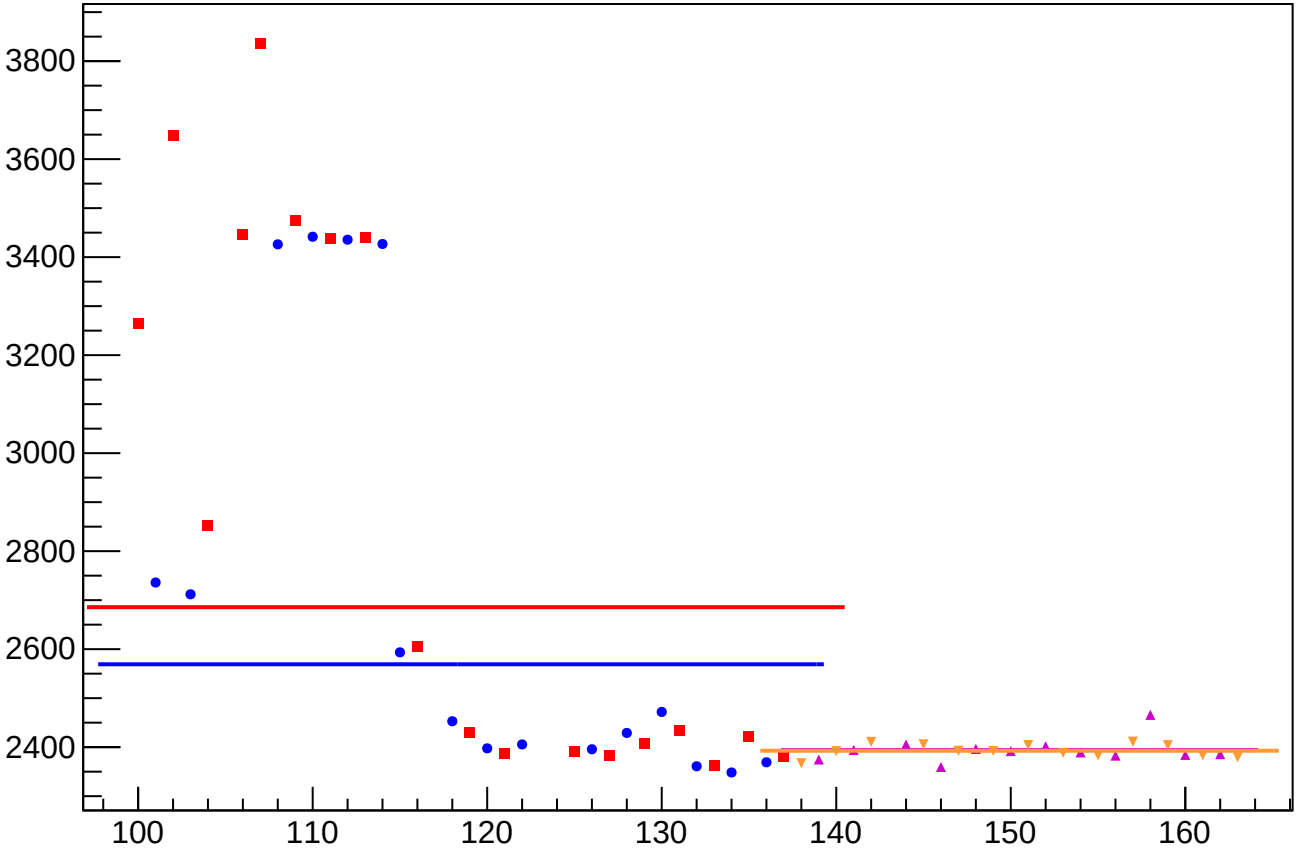
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1808.025+/-588.453 χ^2/NDF:31.5/27

Out: 1910.162+/-597.883 χ^2/NDF:31.5/30

All: 1858.282+/-419.393 χ^2/NDF: 63.0/58

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2392.771+/-0.525 χ^2/NDF:562.6/12

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2394.055+/-0.526 χ^2/NDF:2147.9/11

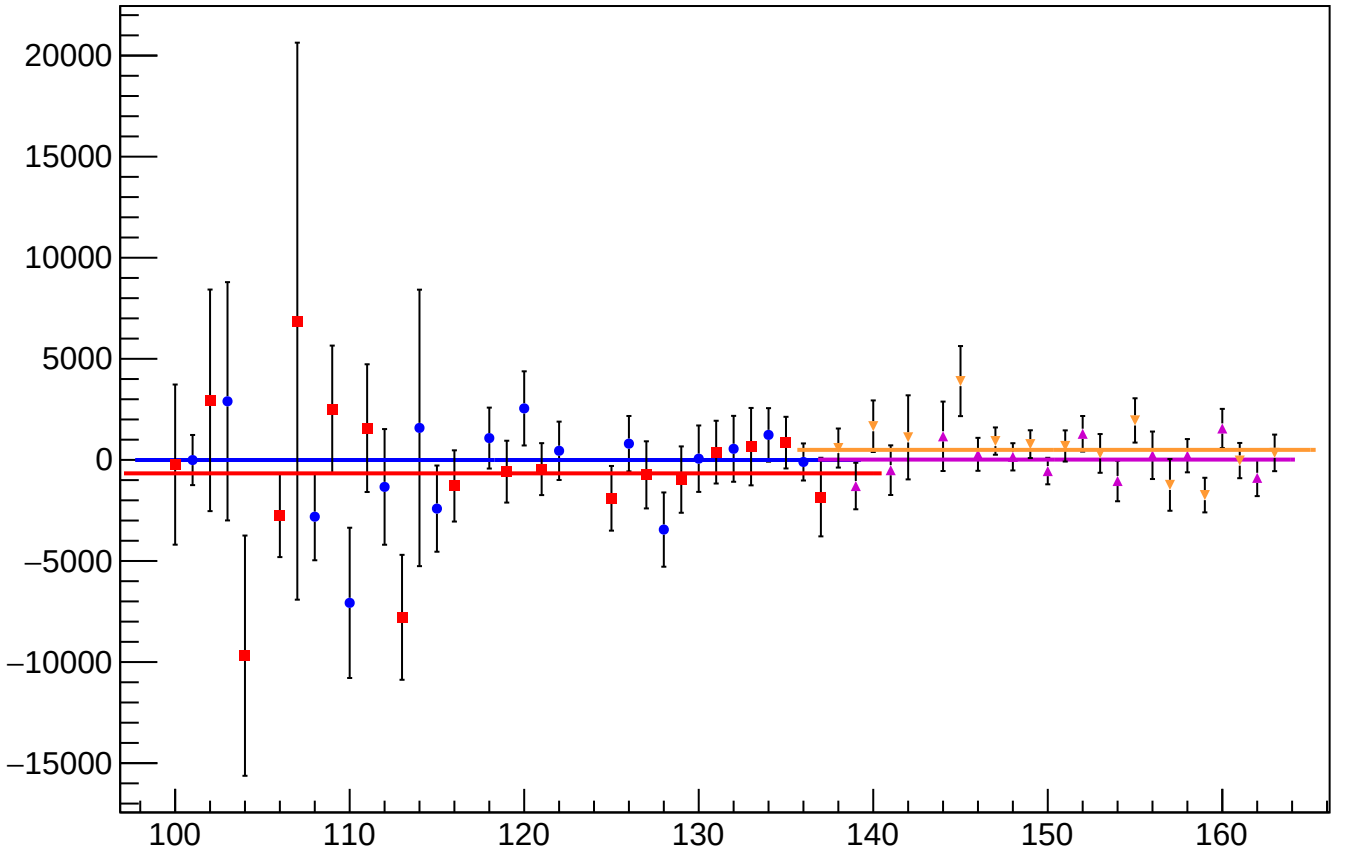
Left: 2393.412+/-0.371 χ^2/NDF: 2713.4/24

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2459.519+/-0.416 χ^2/NDF:273079.9/27

Out: 2495.593+/-0.423 χ^2/NDF:529178.4/30

All: 2477.269+/-0.297 χ^2/NDF: 805956.4/58



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 496.157+/-261.007 χ^2/NDF:16.3/12

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 15.258+/-261.963 χ^2/NDF:9.7/11

Left: 256.586+/-184.897 χ^2/NDF: 27.6/24

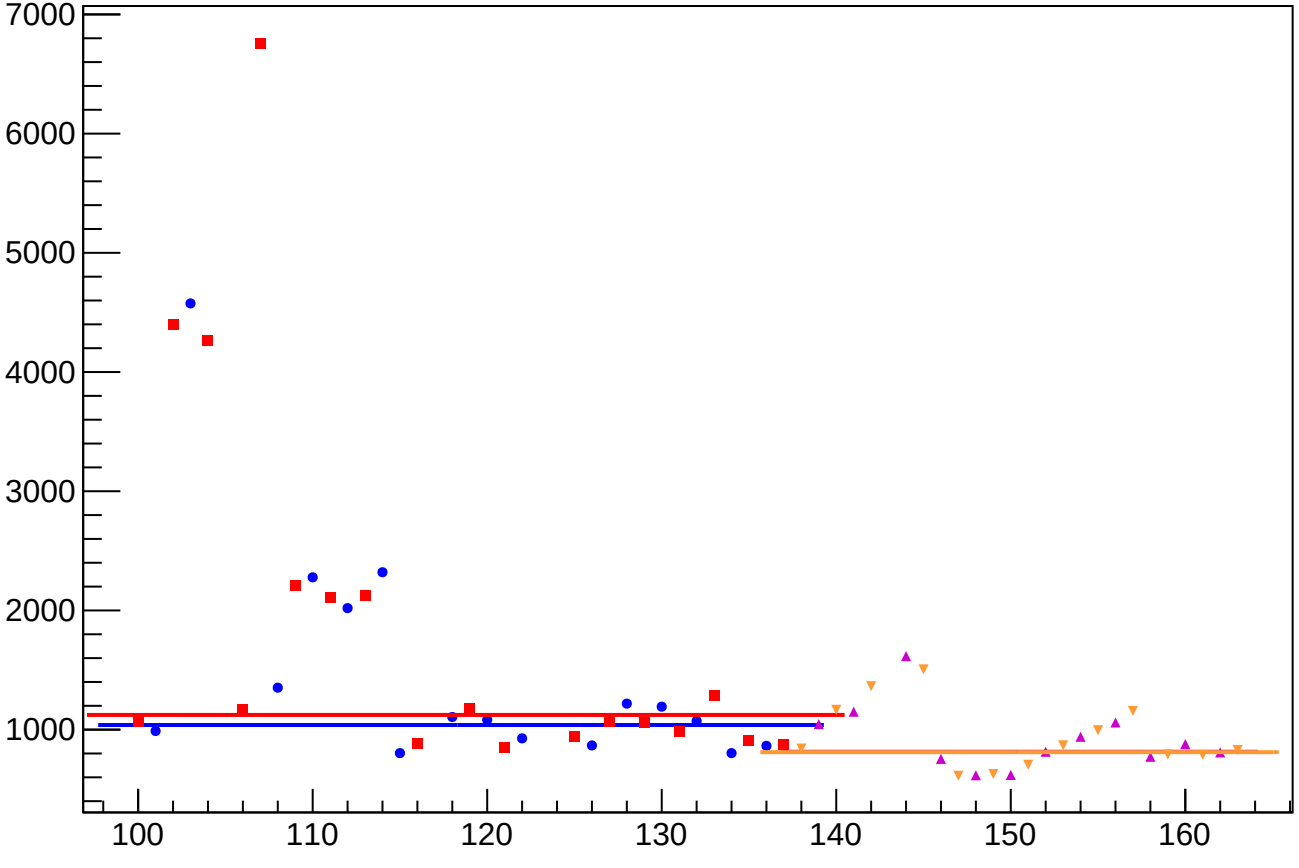
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 9.382+/-221.099 χ^2/NDF:24.2/27

Out: 213.611+/-227.071 χ^2/NDF:35.5/30

All: 108.776+/-158.410 χ^2/NDF: 60.1/58

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 811.118+/-0.185 χ^2/NDF:1183778.6/12

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 814.352+/-0.185 χ^2/NDF:1158864.3/11

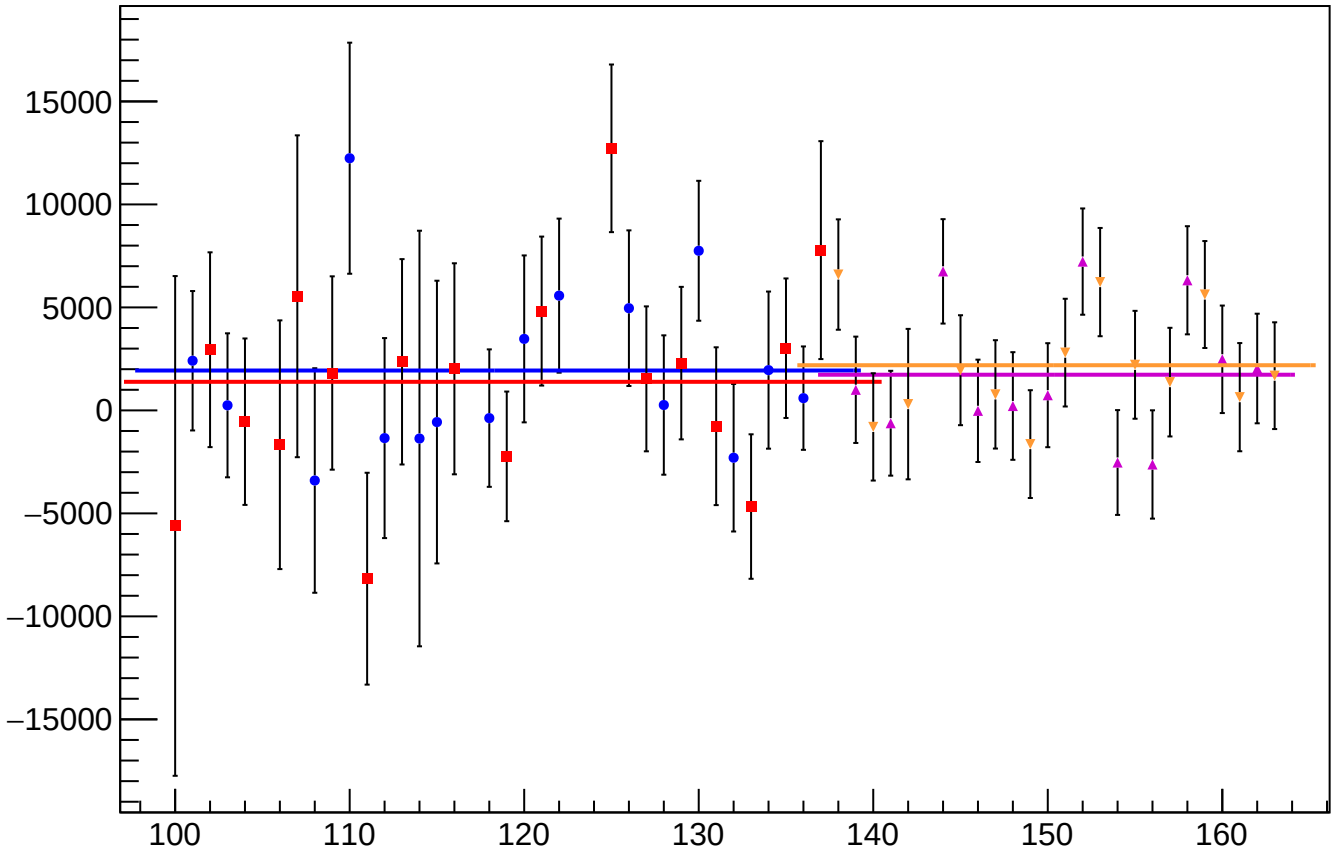
Left: 812.729+/-0.131 χ^2/NDF: 2342795.8/24

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 878.914+/-0.156 χ^2/NDF:3120925.8/27

Out: 887.062+/-0.161 χ^2/NDF:4415704.0/30

All: 882.879+/-0.112 χ^2/NDF: 7537951.5/58



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2192.861+/-742.178 χ^2/NDF:11.4/12

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1731.598+/-743.700 χ^2/NDF:19.1/11

Left: 1962.702+/-525.336 χ^2/NDF: 30.6/24

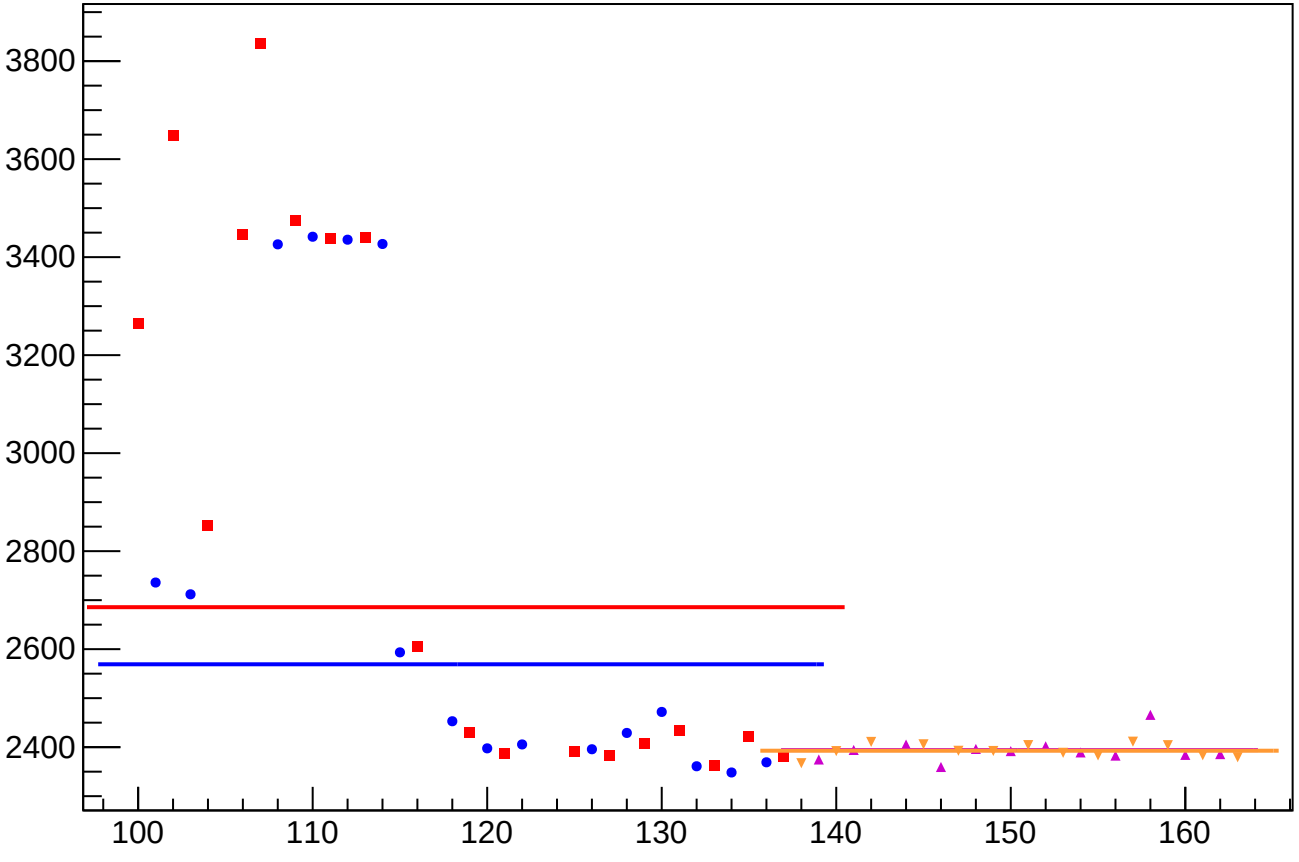
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1808.024+/-588.453 χ^2/NDF:31.5/27

Out: 1910.161+/-597.883 χ^2/NDF:31.5/30

All: 1858.281+/-419.393 χ^2/NDF: 63.0/58

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2392.771+/-0.525 χ^2/NDF:562.6/12

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2394.055+/-0.526 χ^2/NDF:2147.9/11

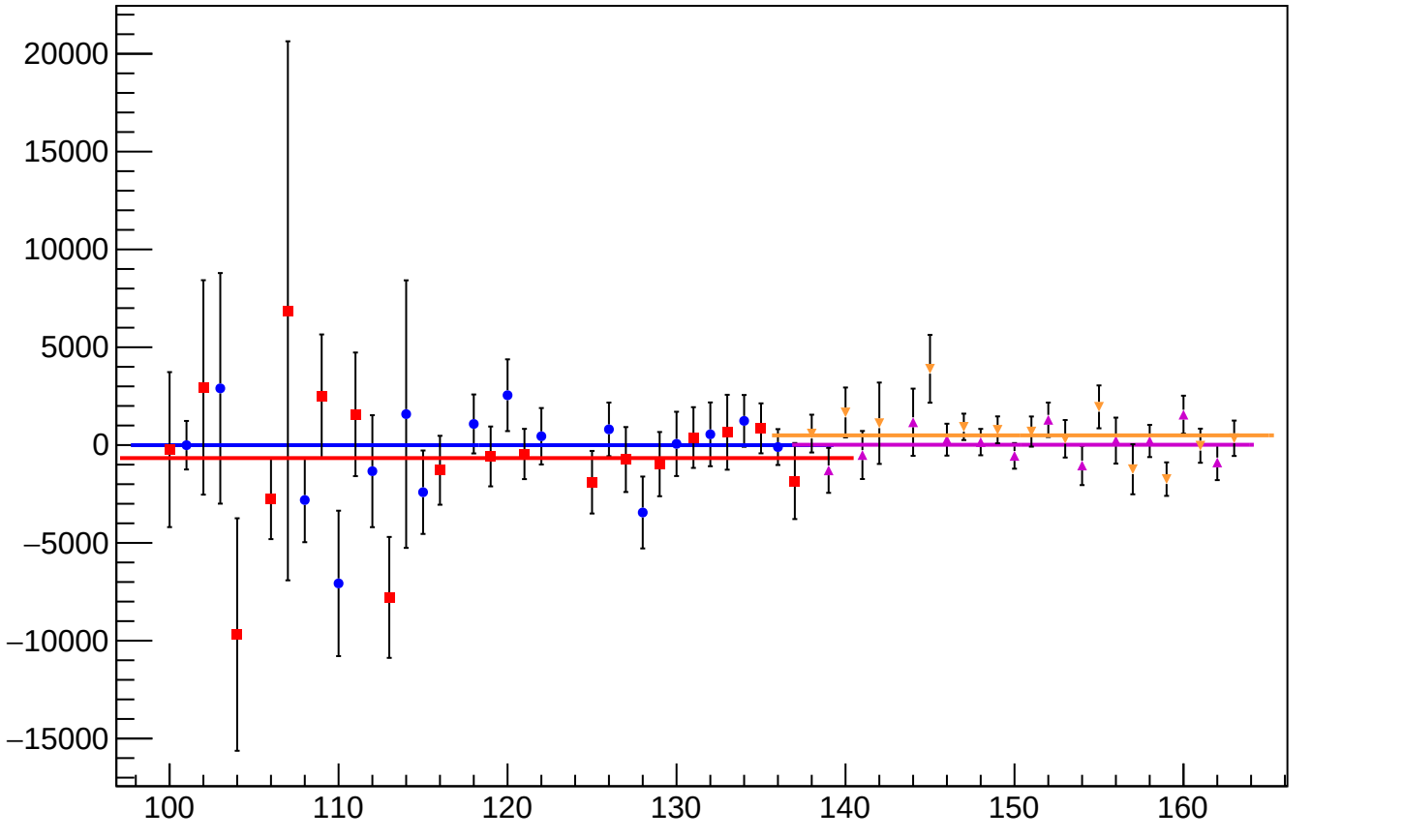
Left: 2393.412+/-0.371 χ^2/NDF: 2713.4/24

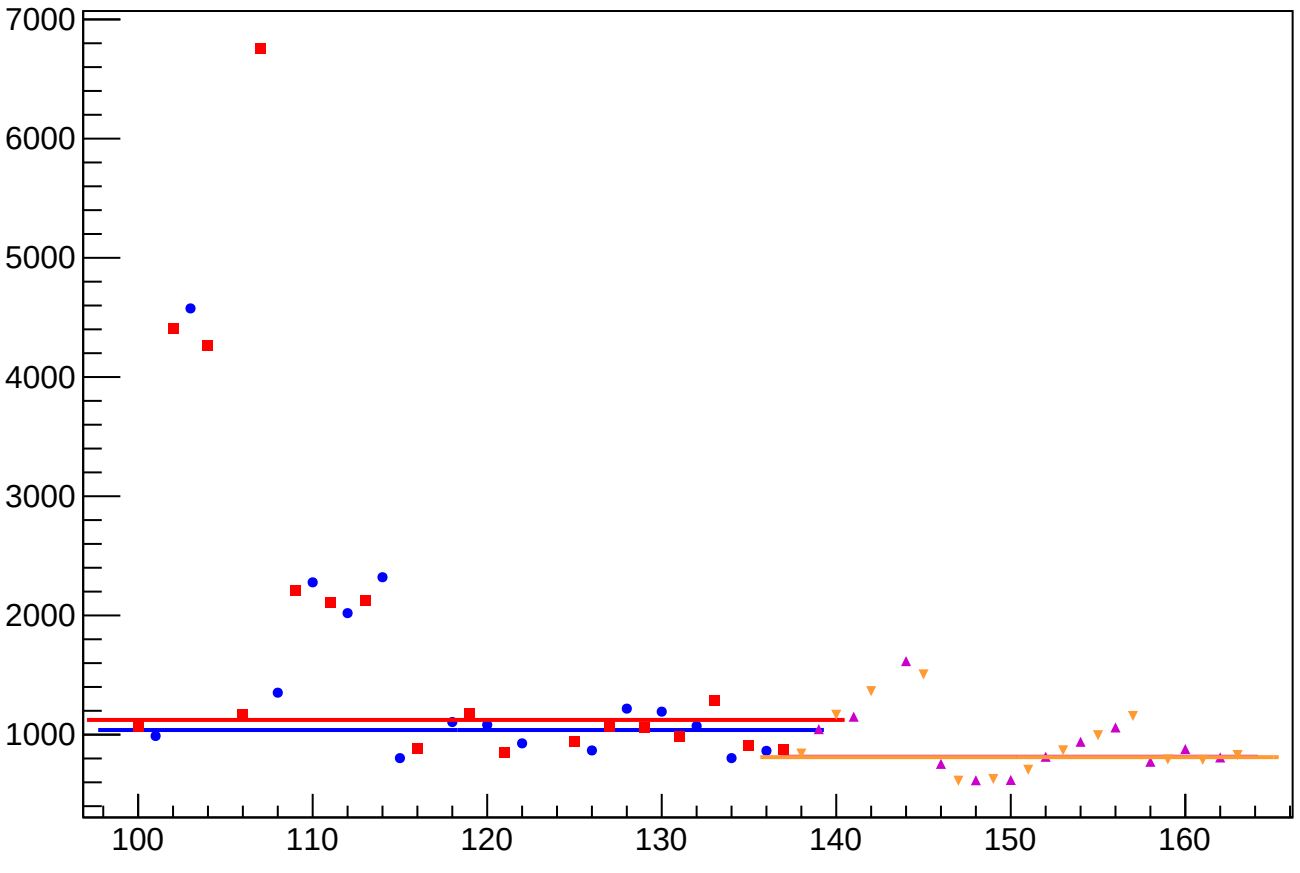
Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2459.519+/-0.416 χ^2/NDF:273079.4/27

Out: 2495.592+/-0.423 χ^2/NDF:529177.5/30

All: 2477.269+/-0.297 χ^2/NDF: 805955.1/58


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -5.172+/-412.248 χ²/NDF: 14.5/15
Left Out: 496.157+/-261.008 χ²/NDF:16.3/12
Right Out: -665.953+/-460.513 χ²/NDF: 14.4/17
Left In: 15.259+/-261.963 χ²/NDF:9.7/11
Left: 256.586+/-184.897 χ²/NDF: 27.6/24
Right: -299.132+/-307.154 χ²/NDF: 30.0/33
In: 9.382+/-221.100 χ²/NDF:24.2/27
Out: 213.610+/-227.072 χ²/NDF:35.5/30
All: 108.775+/-158.410 χ²/NDF: 60.1/58



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 811.120+/-0.185 χ^2/NDF:1183776.3/12

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 814.353+/-0.185 χ^2/NDF:1158862.1/11

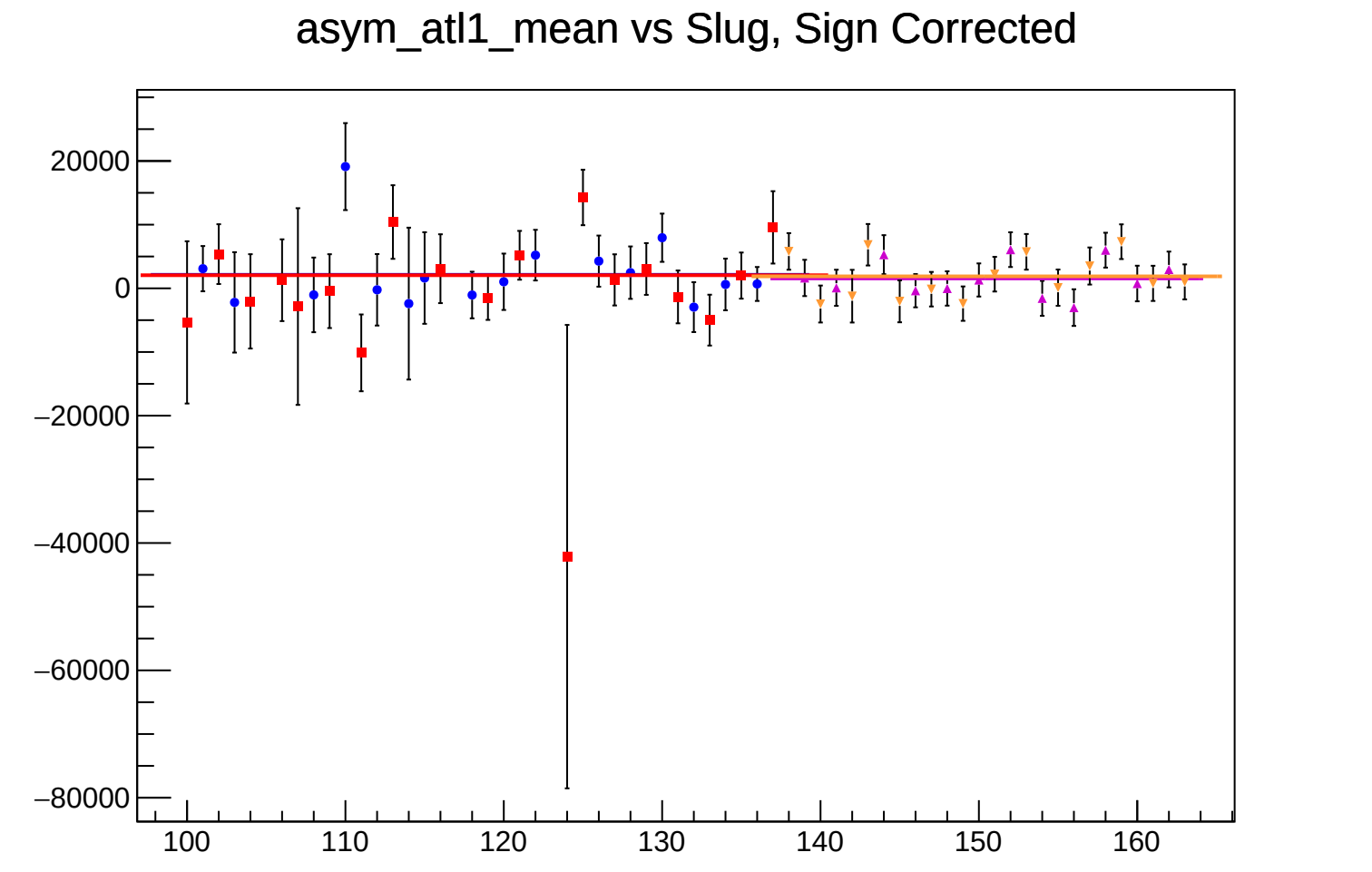
Left: 812.731+/-0.131 χ^2/NDF: 2342791.3/24

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 878.916+/-0.156 χ^2/NDF:3120913.6/27

Out: 887.063+/-0.161 χ^2/NDF:4415692.8/30

All: 882.881+/-0.112 χ^2/NDF: 7537928.1/58



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1882.329+/-776.406 χ^2/NDF:18.3/13

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1554.218+/-800.362 χ^2/NDF:12.2/11

Left: 1723.257+/-557.279 χ^2/NDF: 30.6/25

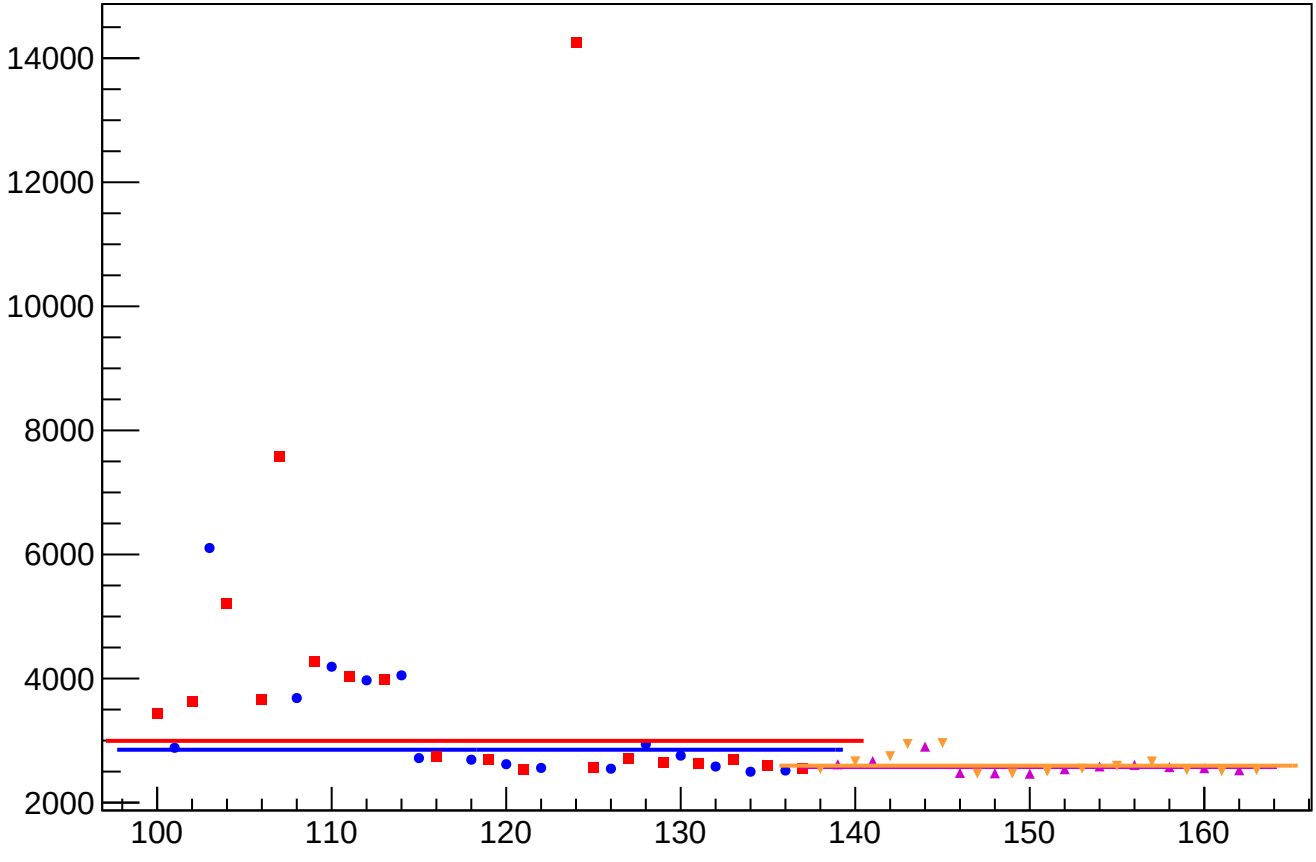
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1754.368+/-644.021 χ^2/NDF:25.7/27

Out: 1938.760+/-641.144 χ^2/NDF:42.7/32

All: 1846.977+/-454.371 χ^2/NDF: 68.4/60

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2595.457+/-0.549 χ^2/NDF:69342.4/13

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2573.671+/-0.566 χ^2/NDF:36059.0/11

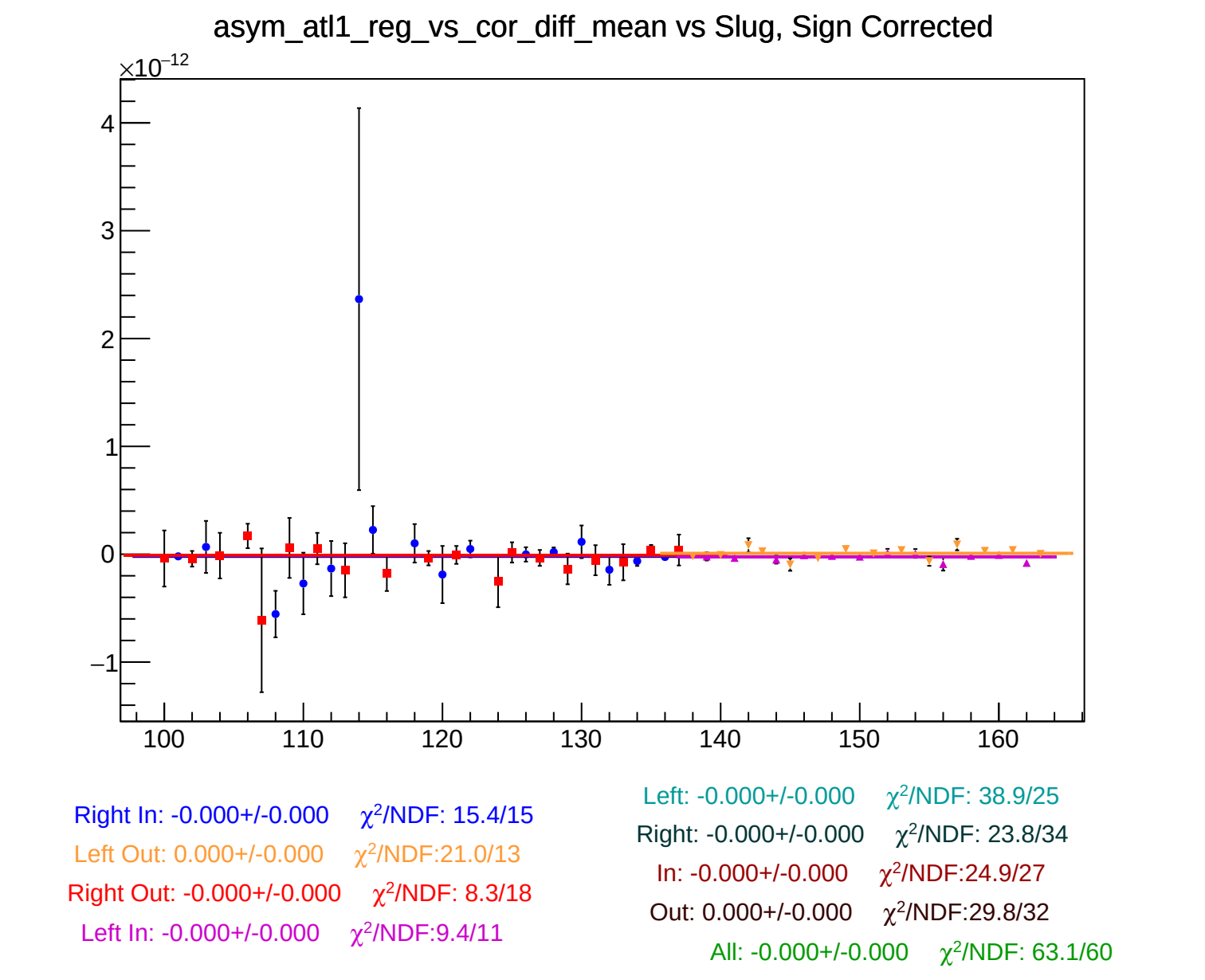
Left: 2584.895+/-0.394 χ^2/NDF: 106164.8/25

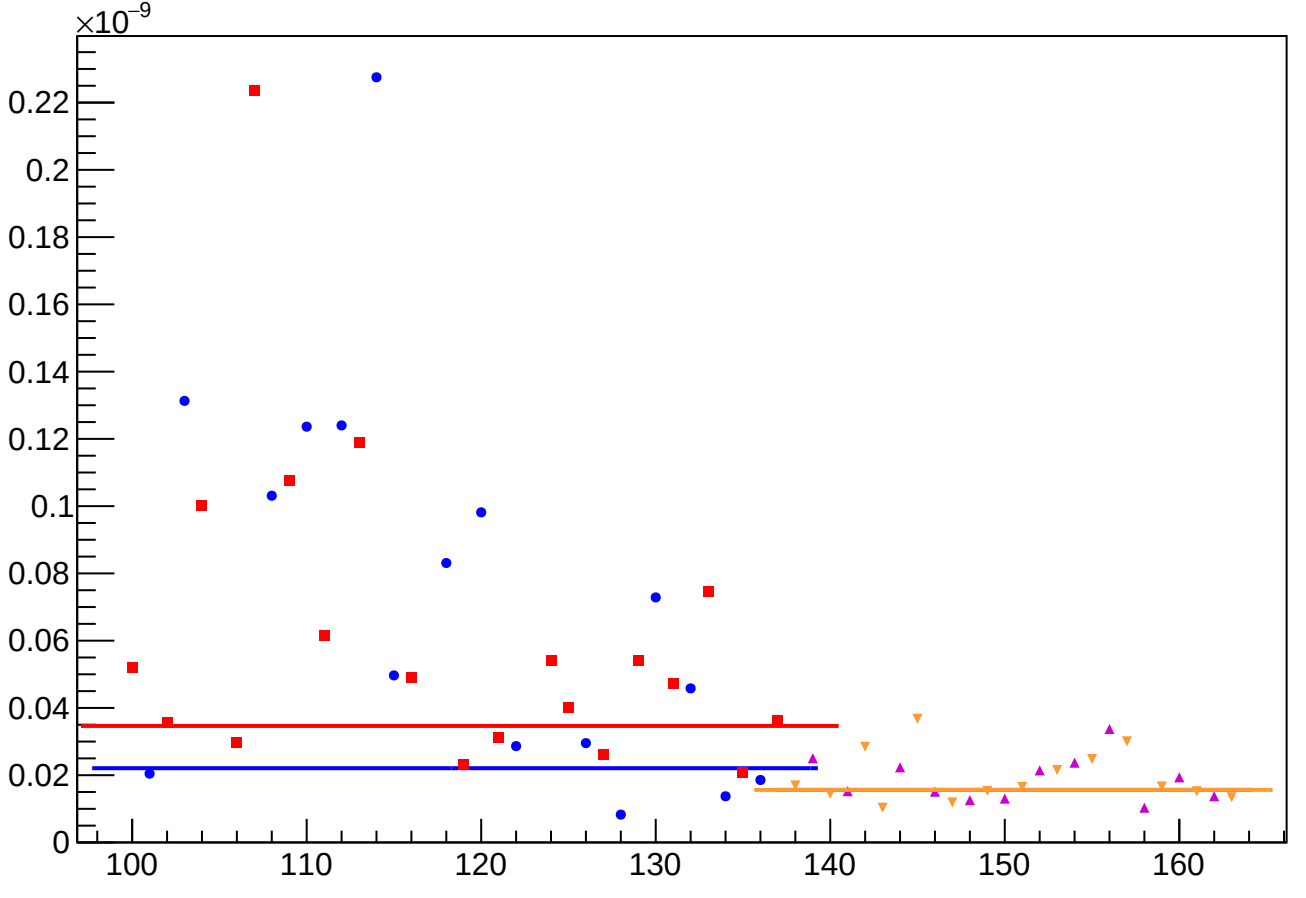
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2671.860+/-0.455 χ^2/NDF:770162.3/27

Out: 2722.711+/-0.453 χ^2/NDF:1217422.1/32

All: 2697.399+/-0.321 χ^2/NDF: 1993846.8/60


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:21.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:9.4/11
Left: -0.000+/-0.000 χ²/NDF: 38.9/25
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:24.9/27
Out: 0.000+/-0.000 χ²/NDF:29.8/32
All: -0.000+/-0.000 χ²/NDF: 63.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:872403.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:735065.0/11

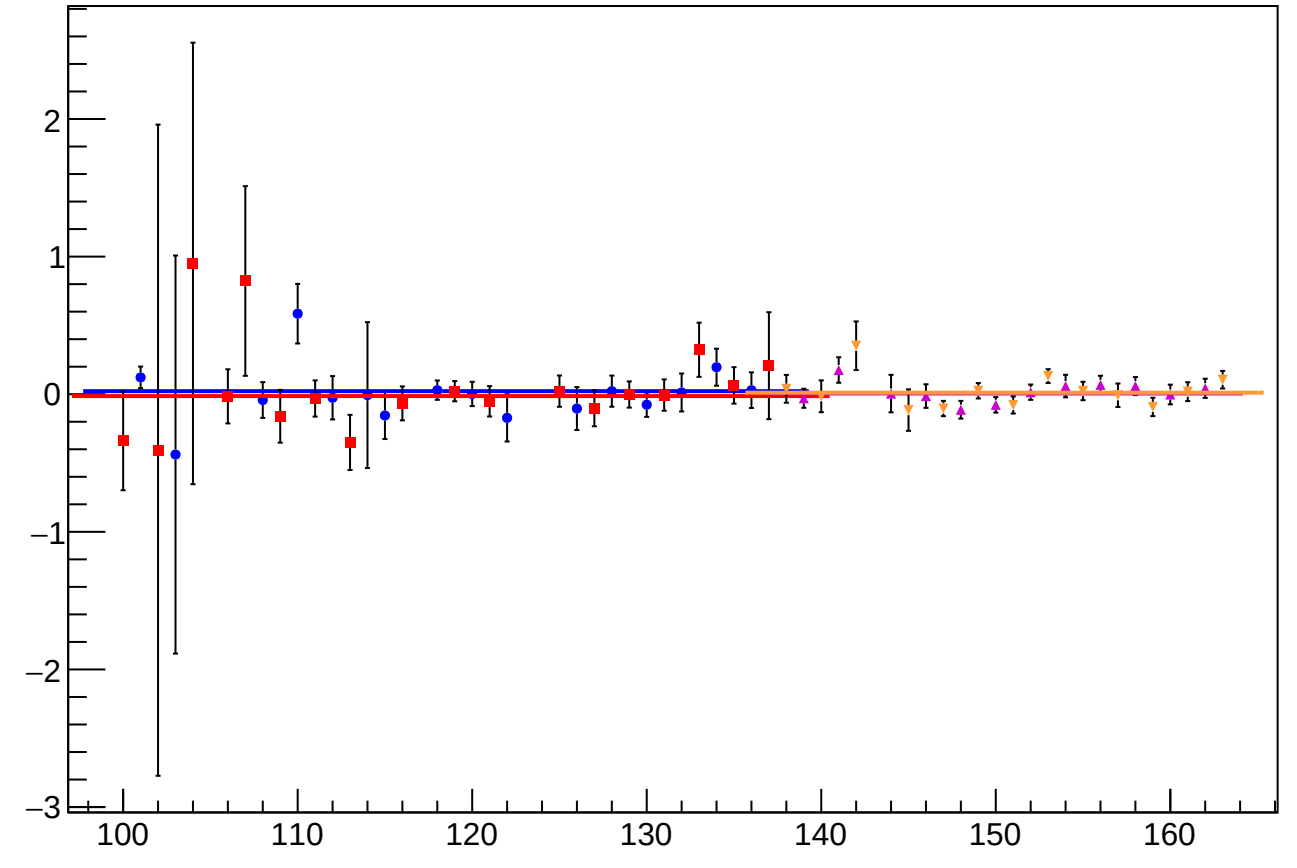
Left: 0.000+/-0.000 χ^2/NDF: 1607468.7/25

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3308254.7/27

Out: 0.000+/-0.000 χ^2/NDF:3218839.2/32

All: 0.000+/-0.000 χ^2/NDF: 6531189.2/60



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.005+/-0.020 χ^2/NDF:11.5/11

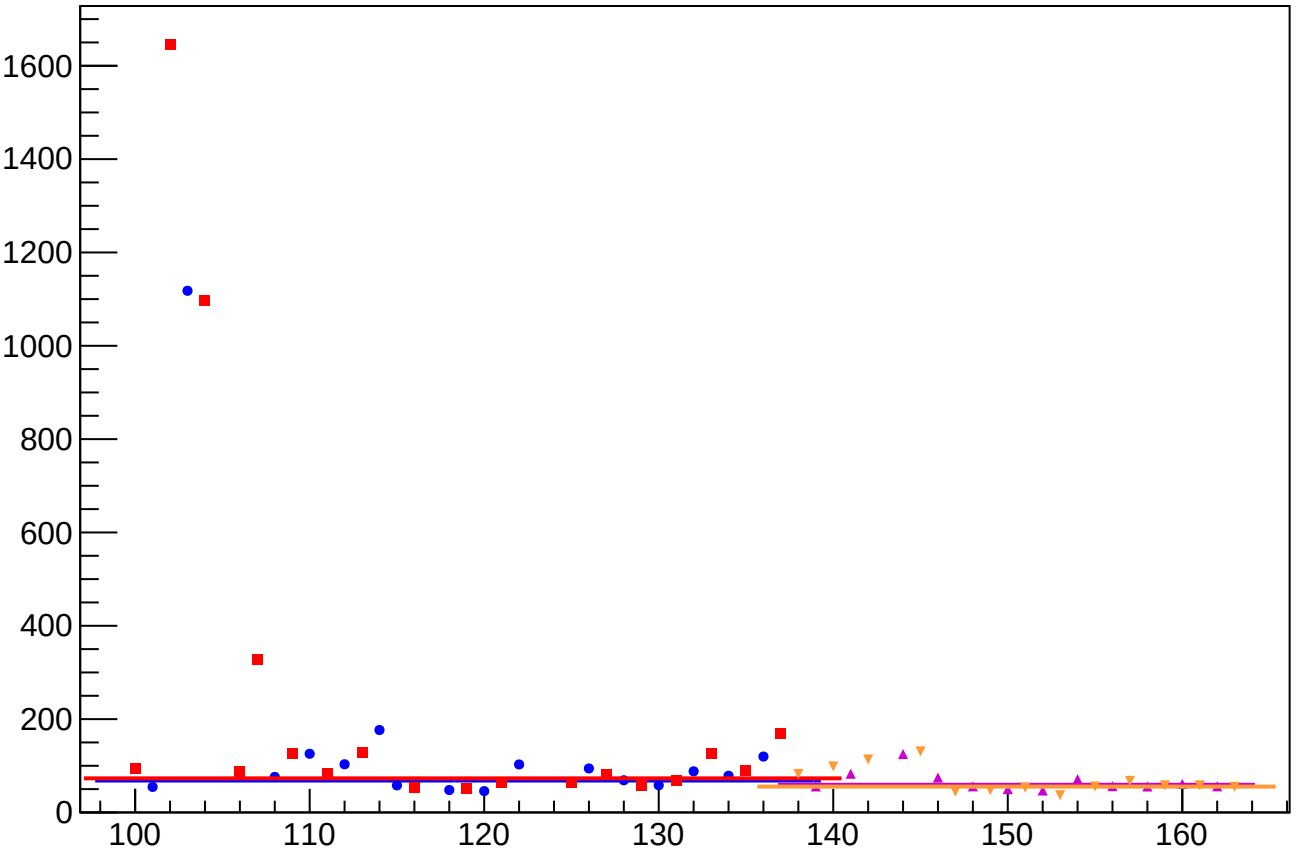
Left: 0.008+/-0.014 χ^2/NDF: 33.0/24

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.011+/-0.017 χ^2/NDF:26.6/27

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.008+/-0.012 χ^2/NDF: 59.3/58



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.317+/-0.014 χ^2/NDF:884380.7/11

Left: 57.280+/-0.010 χ^2/NDF: 2496249.8/24

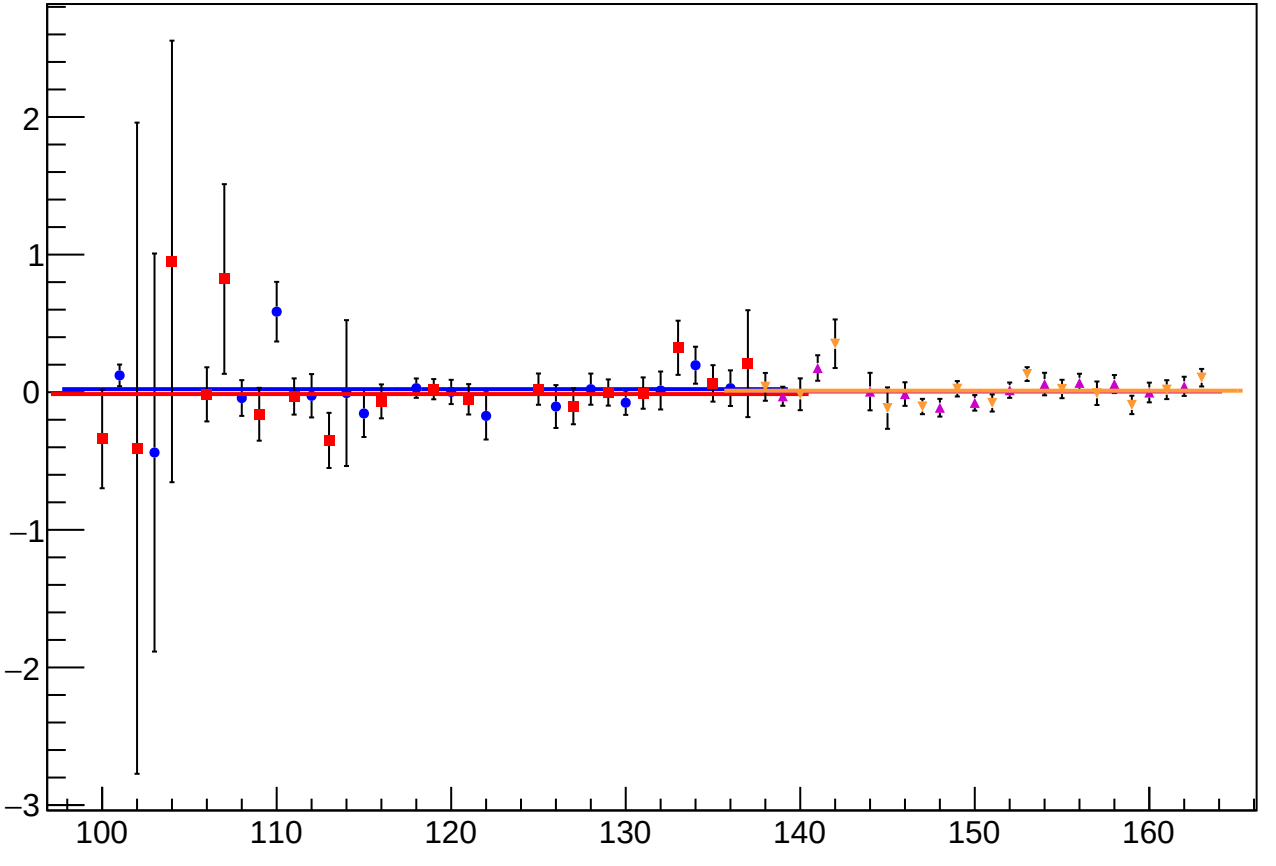
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.178+/-0.012 χ^2/NDF:3287791.6/27

Out: 59.921+/-0.012 χ^2/NDF:4901521.3/30

All: 61.053+/-0.008 χ^2/NDF: 8207103.5/58

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: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.005+/-0.020 χ^2/NDF:11.5/11

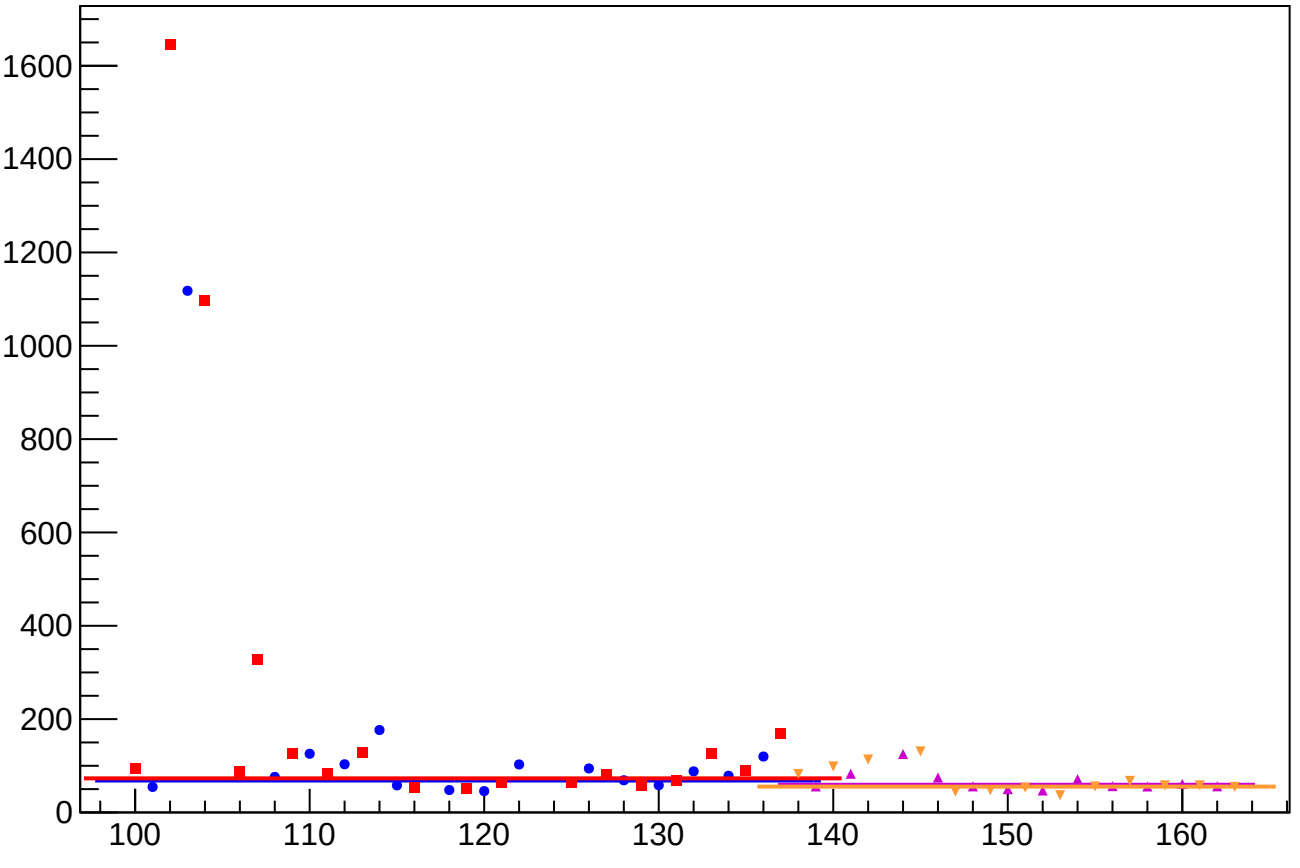
Left: 0.008+/-0.014 χ^2/NDF: 33.0/24

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.011+/-0.017 χ^2/NDF:26.6/27

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.008+/-0.012 χ^2/NDF: 59.3/58



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573459.6/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.317+/-0.014 χ^2/NDF:884380.7/11

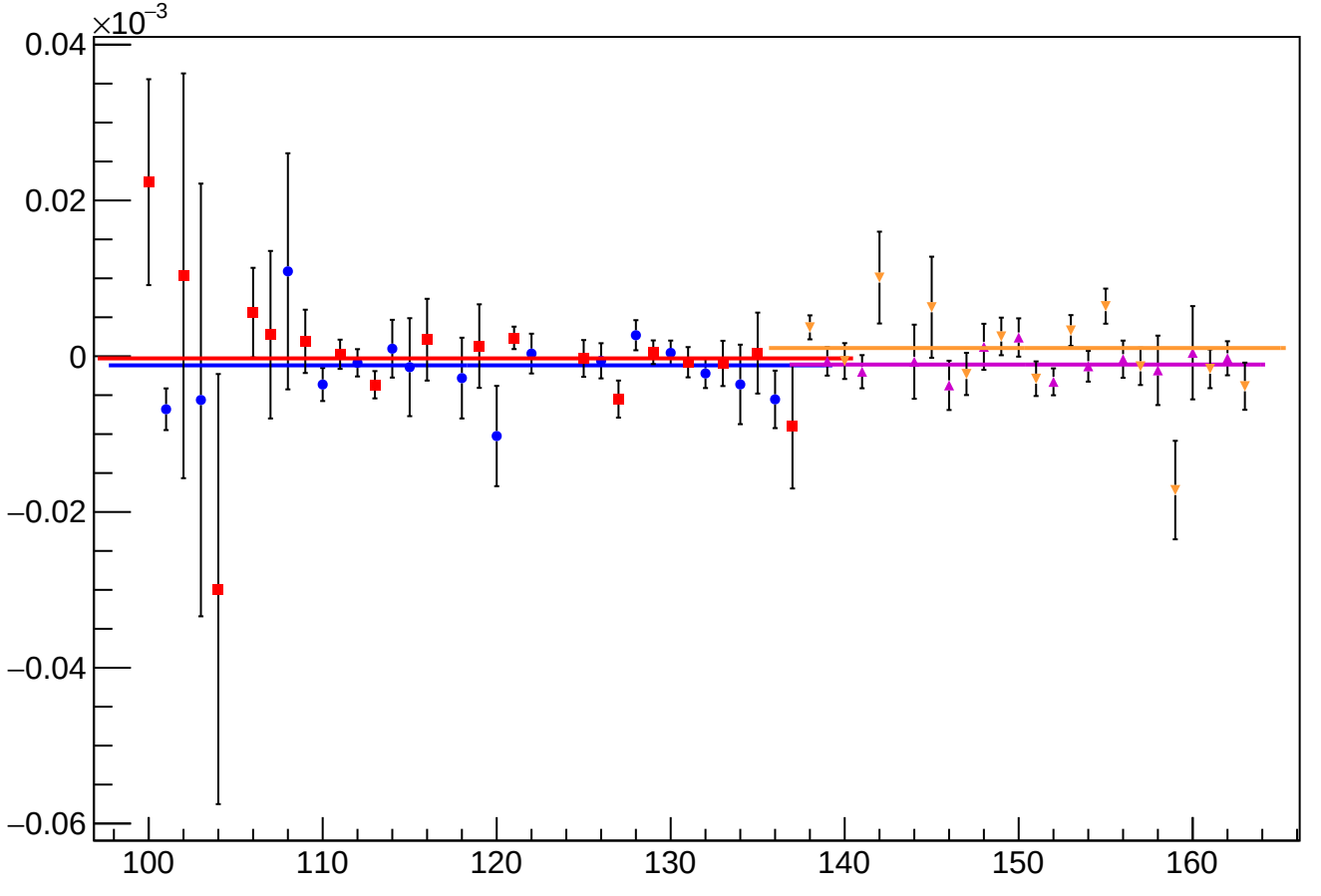
Left: 57.280+/-0.010 χ^2/NDF: 2496249.8/24

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 62.178+/-0.012 χ^2/NDF:3287791.6/27

Out: 59.921+/-0.012 χ^2/NDF:4901521.3/30

All: 61.053+/-0.008 χ^2/NDF: 8207103.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.5/11

Left: 0.000+/-0.000 χ^2/NDF: 41.7/24

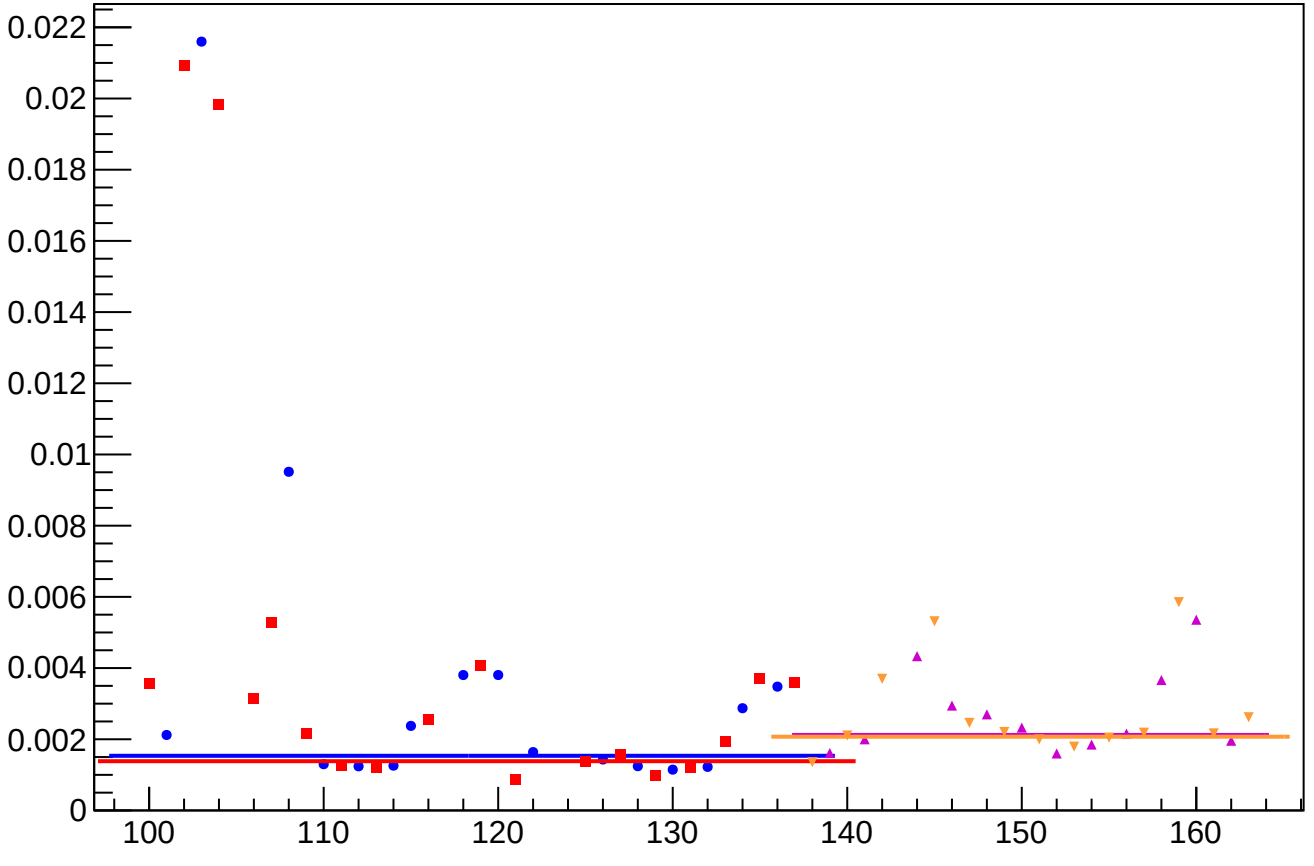
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.8/27

Out: 0.000+/-0.000 χ^2/NDF:53.1/30

All: -0.000+/-0.000 χ^2/NDF: 79.6/58

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1959097.3/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1873938.3/11

Left: 0.002+/-0.000 χ^2/NDF: 3837977.4/24

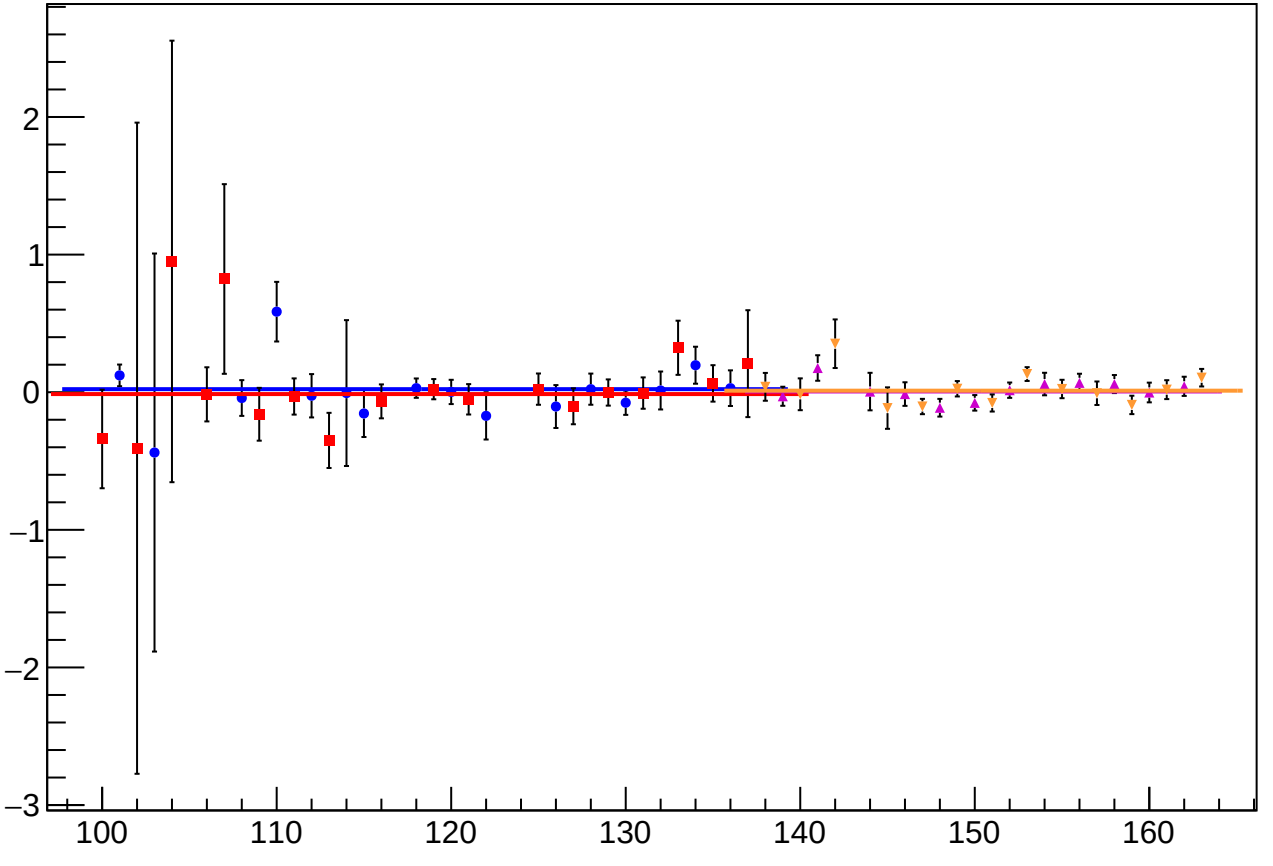
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:5975808.9/27

Out: 0.002+/-0.000 χ^2/NDF:7308177.1/30

All: 0.002+/-0.000 χ^2/NDF: 13339299.6/58

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.005+/-0.020 χ^2/NDF:11.5/11

Left: 0.008+/-0.014 χ^2/NDF: 33.0/24

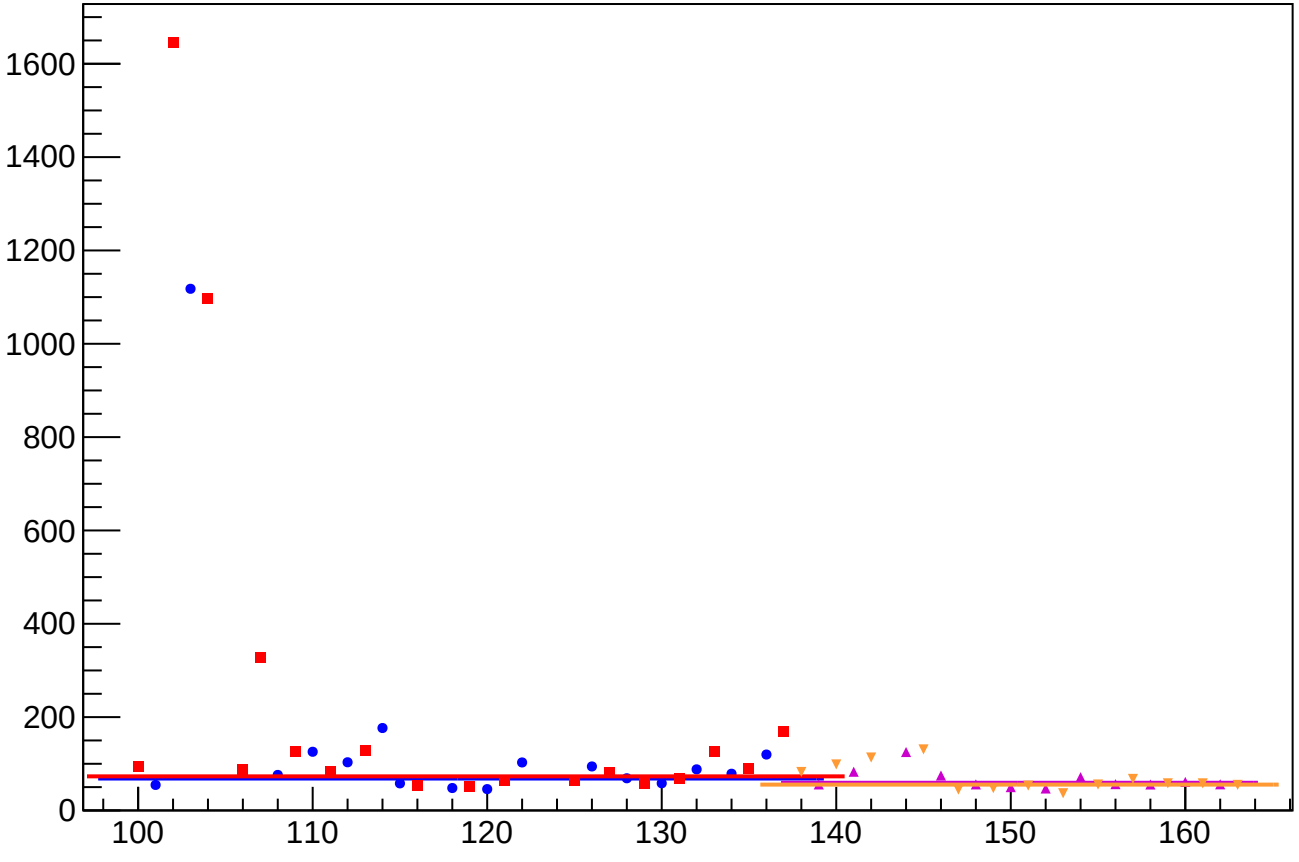
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.011+/-0.017 χ^2/NDF:26.6/27

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.008+/-0.012 χ^2/NDF: 59.3/58

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.317+/-0.014 χ^2/NDF:884360.4/11

Left: 57.280+/-0.010 χ^2/NDF: 2496305.8/24

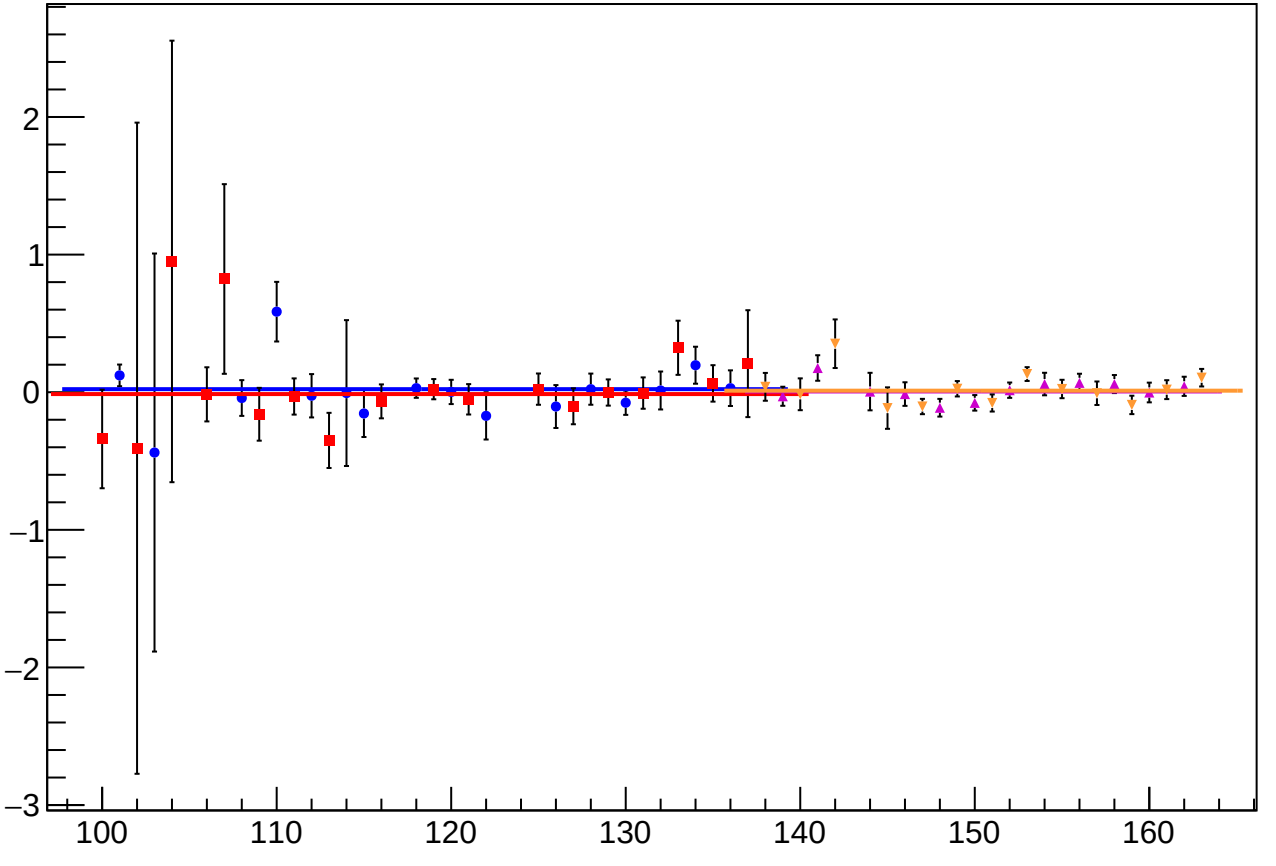
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.178+/-0.012 χ^2/NDF:3287824.0/27

Out: 59.921+/-0.012 χ^2/NDF:4901591.8/30

All: 61.053+/-0.008 χ^2/NDF: 8207209.7/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.011+/-0.020 χ^2/NDF:21.5/12

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.005+/-0.020 χ^2/NDF:11.5/11

Left: 0.008+/-0.014 χ^2/NDF: 33.0/24

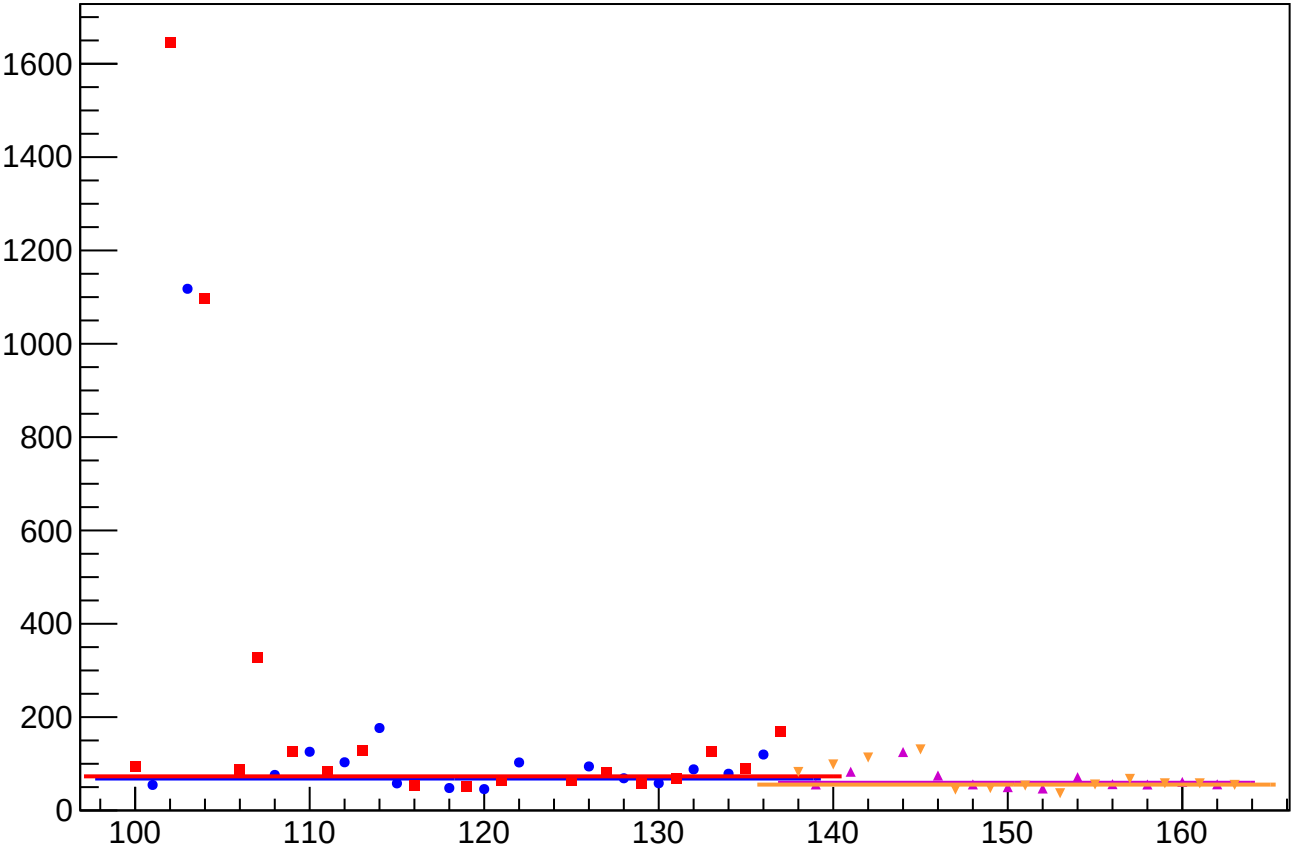
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.011+/-0.017 χ^2/NDF:26.6/27

Out: 0.005+/-0.017 χ^2/NDF:32.7/30

All: 0.008+/-0.012 χ^2/NDF: 59.3/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.391+/-0.014 χ^2/NDF:1573526.4/12

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.317+/-0.014 χ^2/NDF:884360.4/11

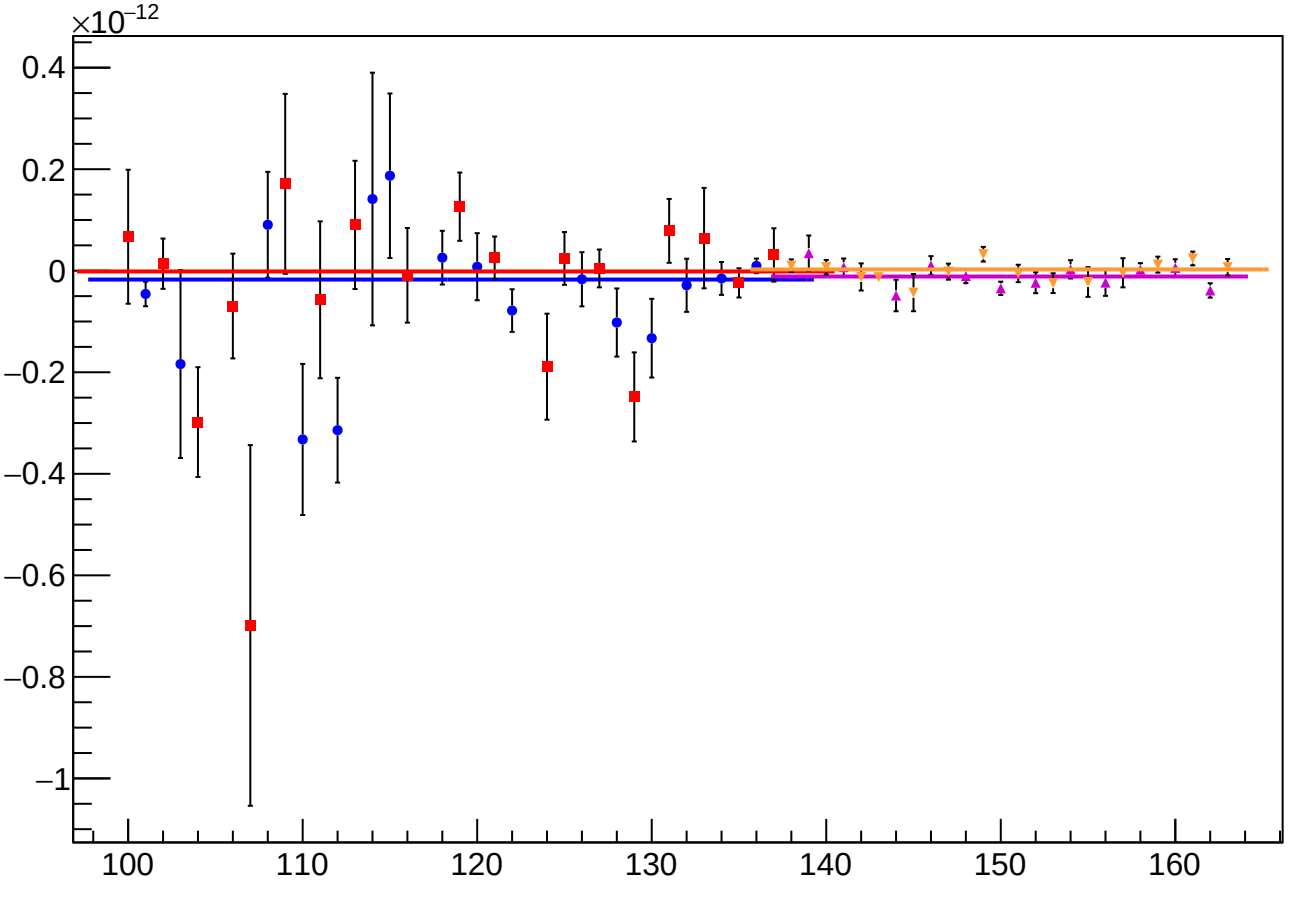
Left: 57.280+/-0.010 χ^2/NDF: 2496305.8/24

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 62.178+/-0.012 χ^2/NDF:3287824.0/27

Out: 59.921+/-0.012 χ^2/NDF:4901591.8/30

All: 61.053+/-0.008 χ^2/NDF: 8207209.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:16.0/11

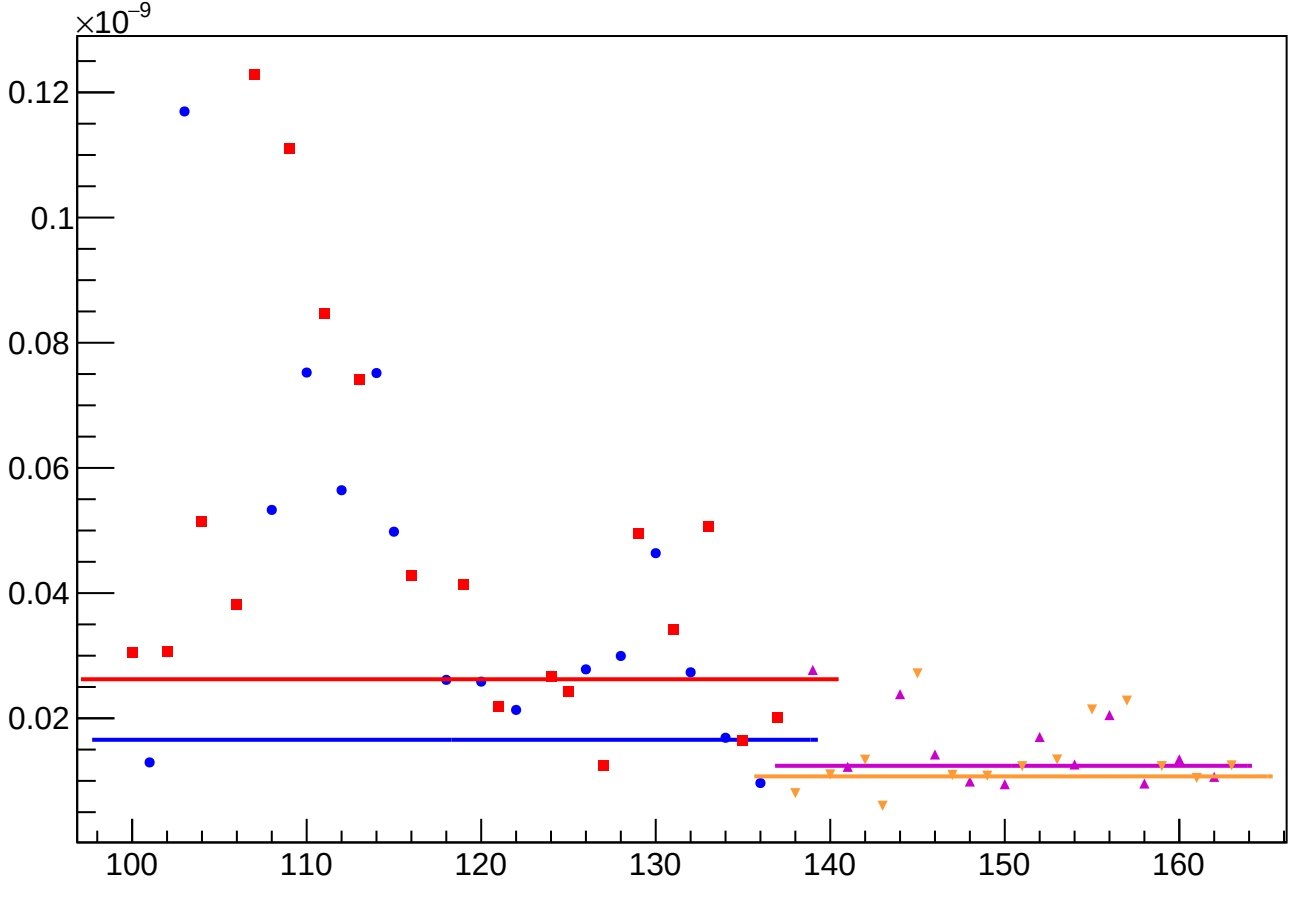
Left: -0.000+/-0.000 χ^2/NDF: 35.8/25

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:44.5/27

Out: 0.000+/-0.000 χ^2/NDF:47.6/32

All: -0.000+/-0.000 χ^2/NDF: 98.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1747545.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1273582.4/11

Left: 0.000+/-0.000 χ^2/NDF: 3155349.3/25

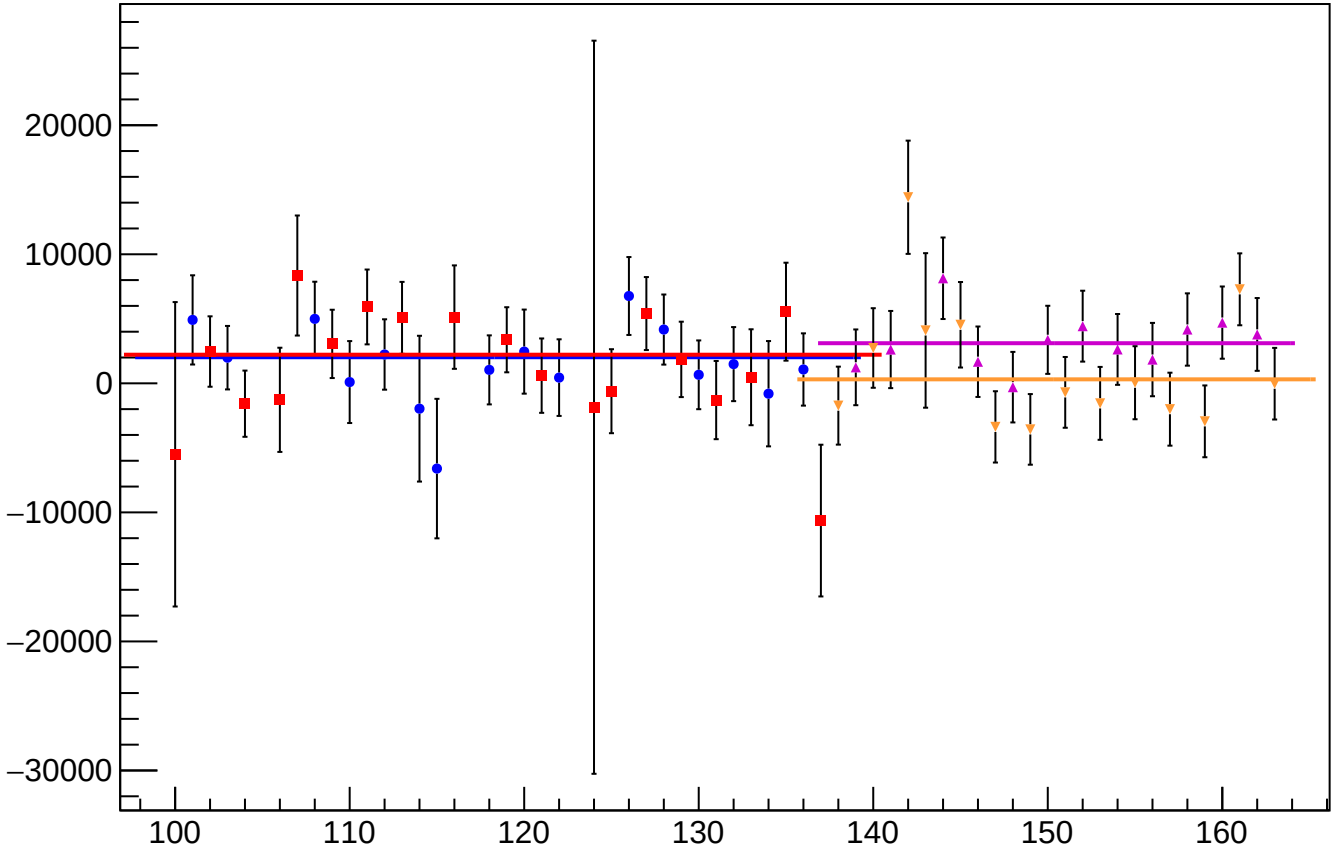
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:4375397.1/27

Out: 0.000+/-0.000 χ^2/NDF:6270690.6/32

All: 0.000+/-0.000 χ^2/NDF: 10731774.4/60

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 308.966+/-804.134 χ^2/NDF:26.1/13

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 3108.876+/-813.848 χ^2/NDF:5.8/11

Left: 1692.111+/-572.012 χ^2/NDF: 37.9/25

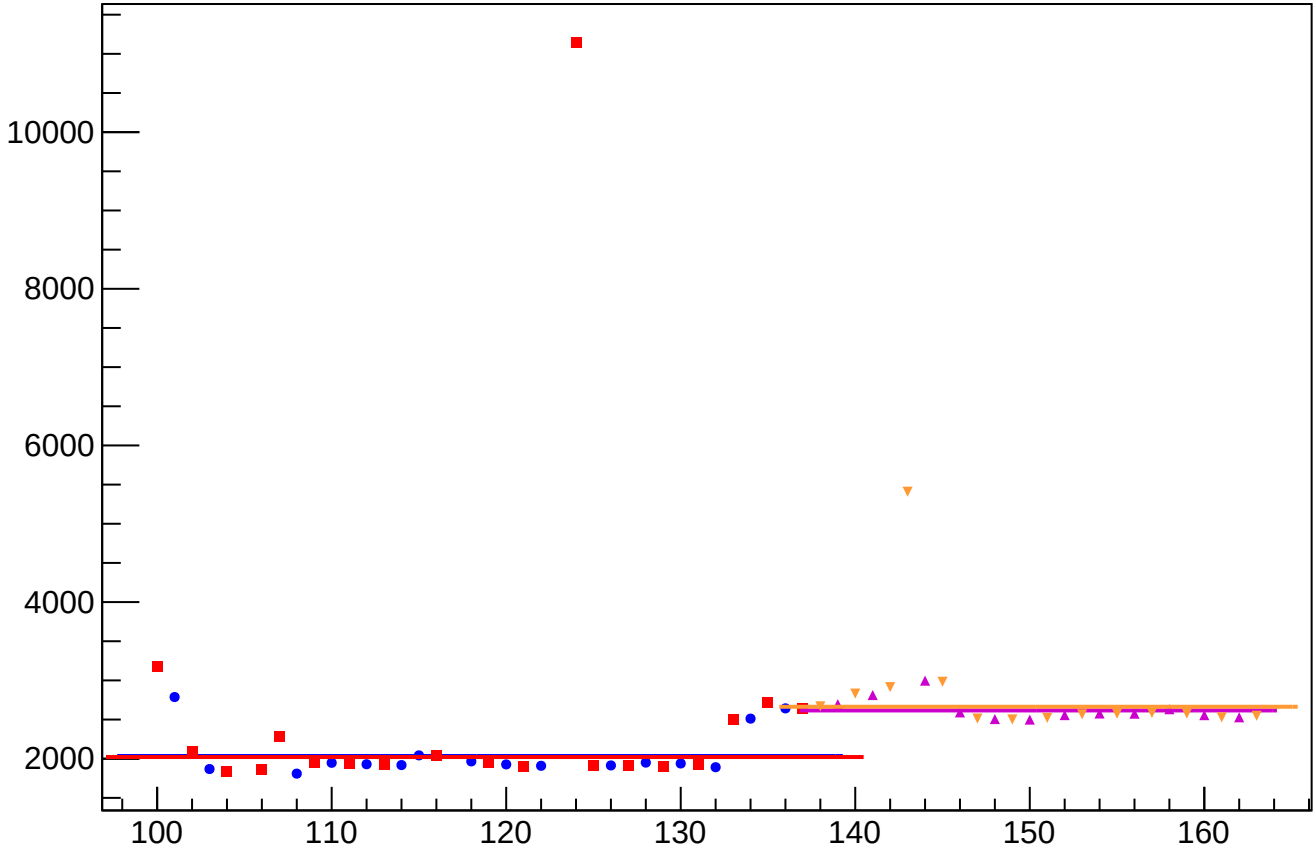
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2531.755+/-557.157 χ^2/NDF:16.4/27

Out: 1321.757+/-550.857 χ^2/NDF:47.3/32

All: 1919.877+/-391.723 χ^2/NDF: 66.0/60

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2616.332+/-0.575 χ^2/NDF:51133.1/11

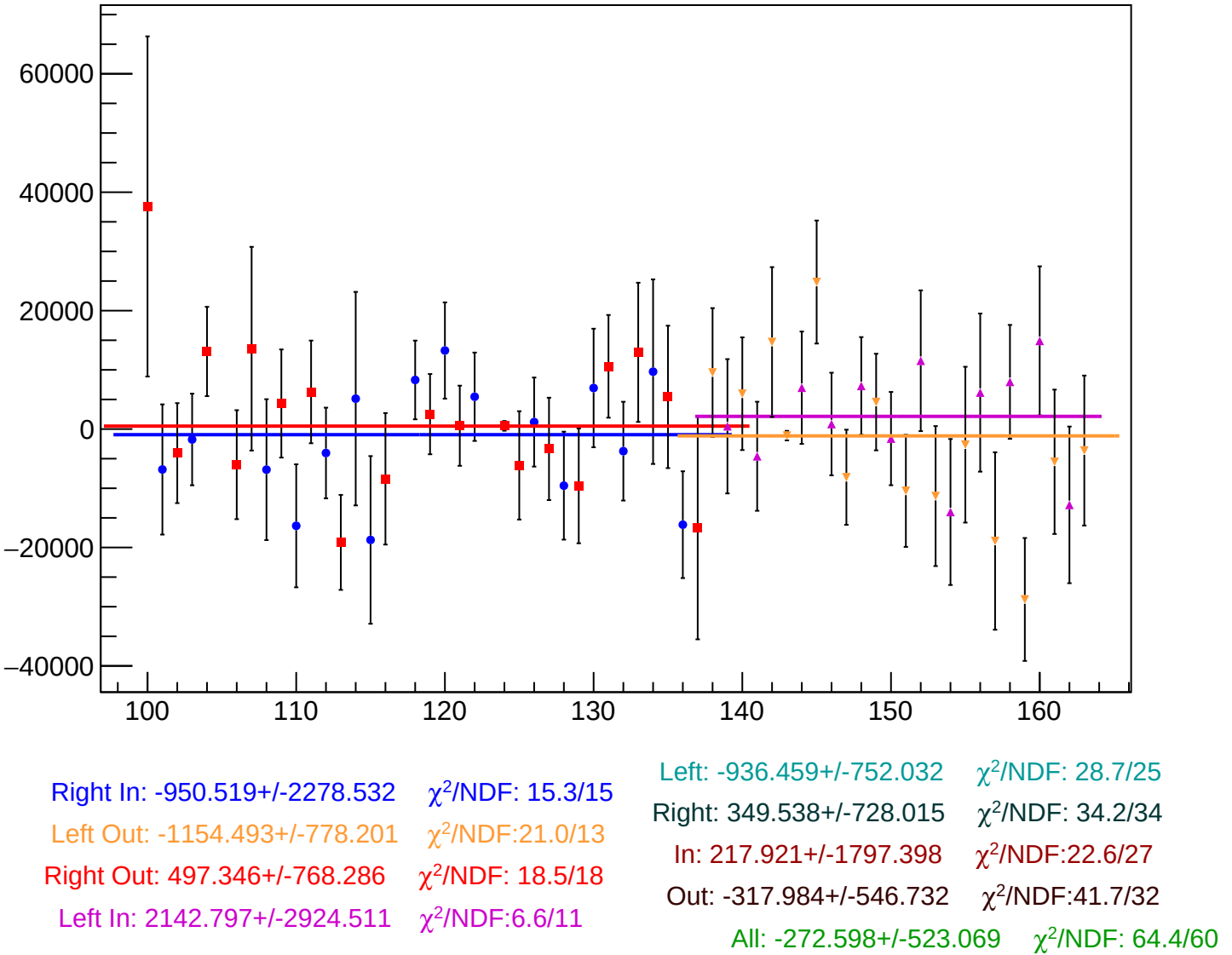
Left: 2640.169+/-0.404 χ^2/NDF: 540403.2/25

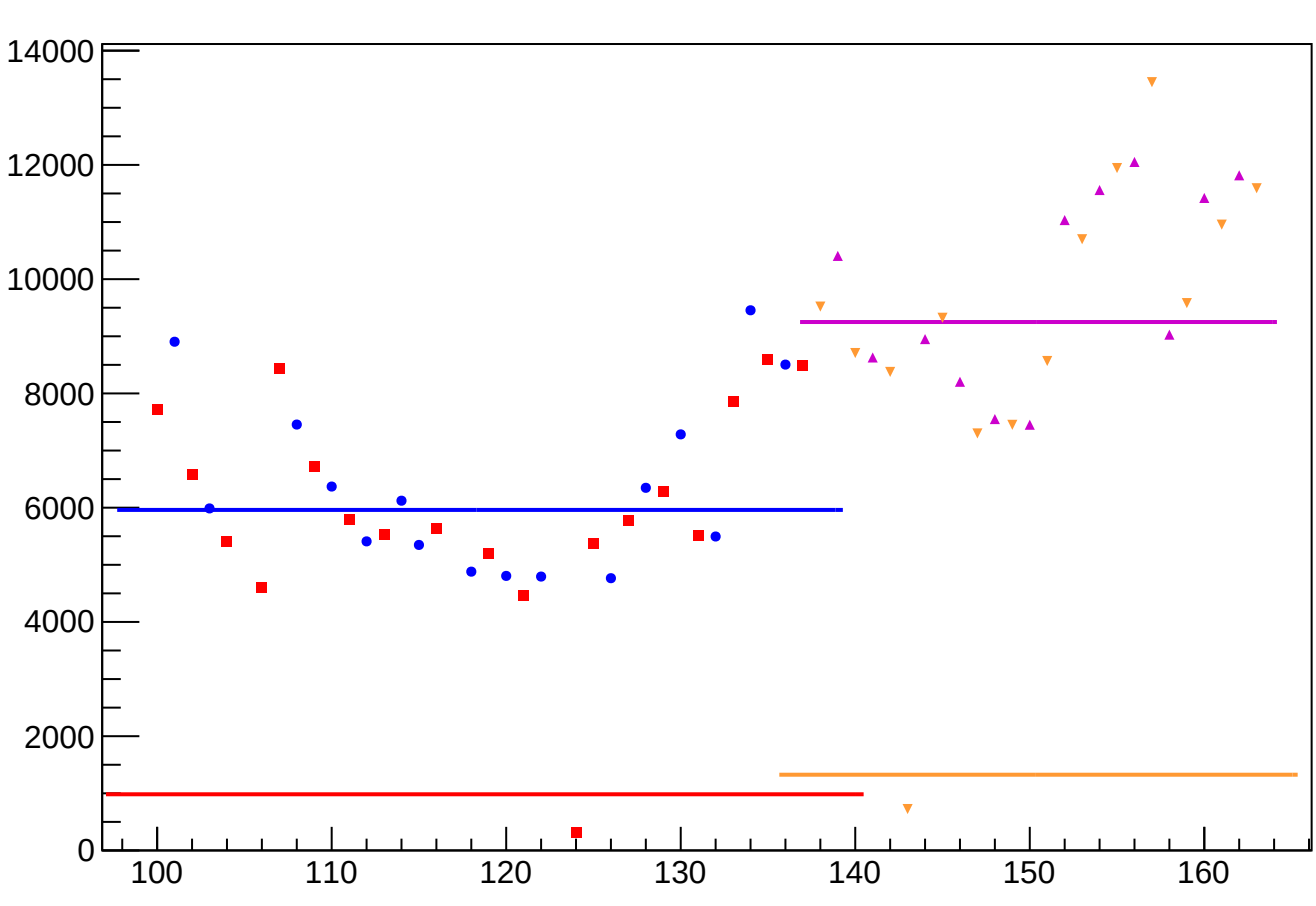
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2307.007+/-0.394 χ^2/NDF:857858.2/27

Out: 2322.766+/-0.390 χ^2/NDF:1552558.2/32

All: 2314.976+/-0.277 χ^2/NDF: 2411225.5/60


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1154.493+/-778.201 χ²/NDF:21.0/13
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 2142.797+/-2924.511 χ²/NDF:6.6/11
Left: -936.459+/-752.032 χ²/NDF: 28.7/25
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 217.921+/-1797.398 χ²/NDF:22.6/27
Out: -317.984+/-546.732 χ²/NDF:41.7/32
All: -272.598+/-523.069 χ²/NDF: 64.4/60



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1325.782+/-0.550 χ^2/NDF:16353820.1/13

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9249.924+/-2.068 χ^2/NDF:589447.7/11

Left: 1849.766+/-0.532 χ^2/NDF: 30655770.9/25

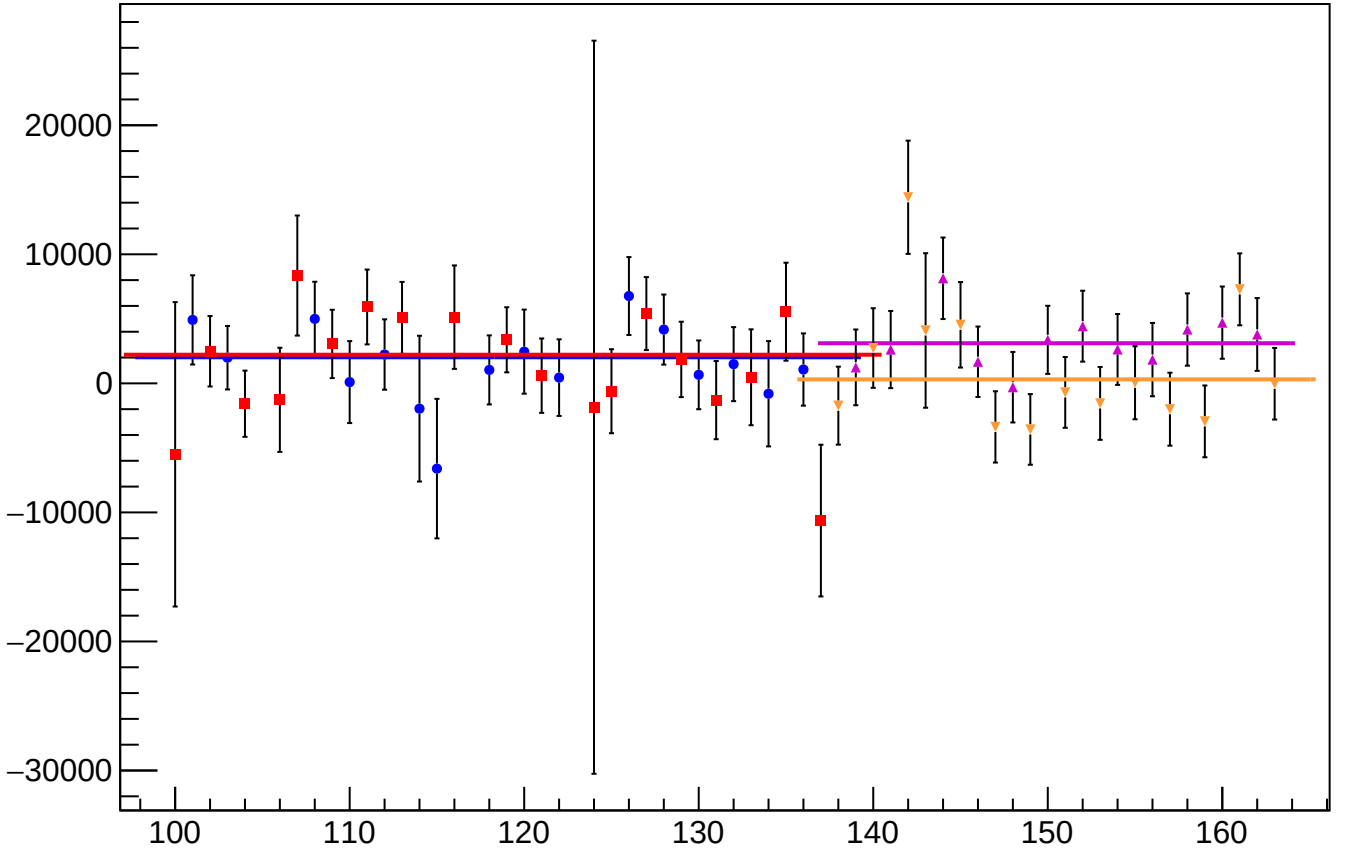
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7203.204+/-1.271 χ^2/NDF:2852923.2/27

Out: 1152.354+/-0.387 χ^2/NDF:27966657.4/32

All: 1664.797+/-0.370 χ^2/NDF: 51565975.1/6

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3108.960+/-813.848 χ^2/NDF:5.8/11

Left: 1692.201+/-572.012 χ^2/NDF: 37.9/25

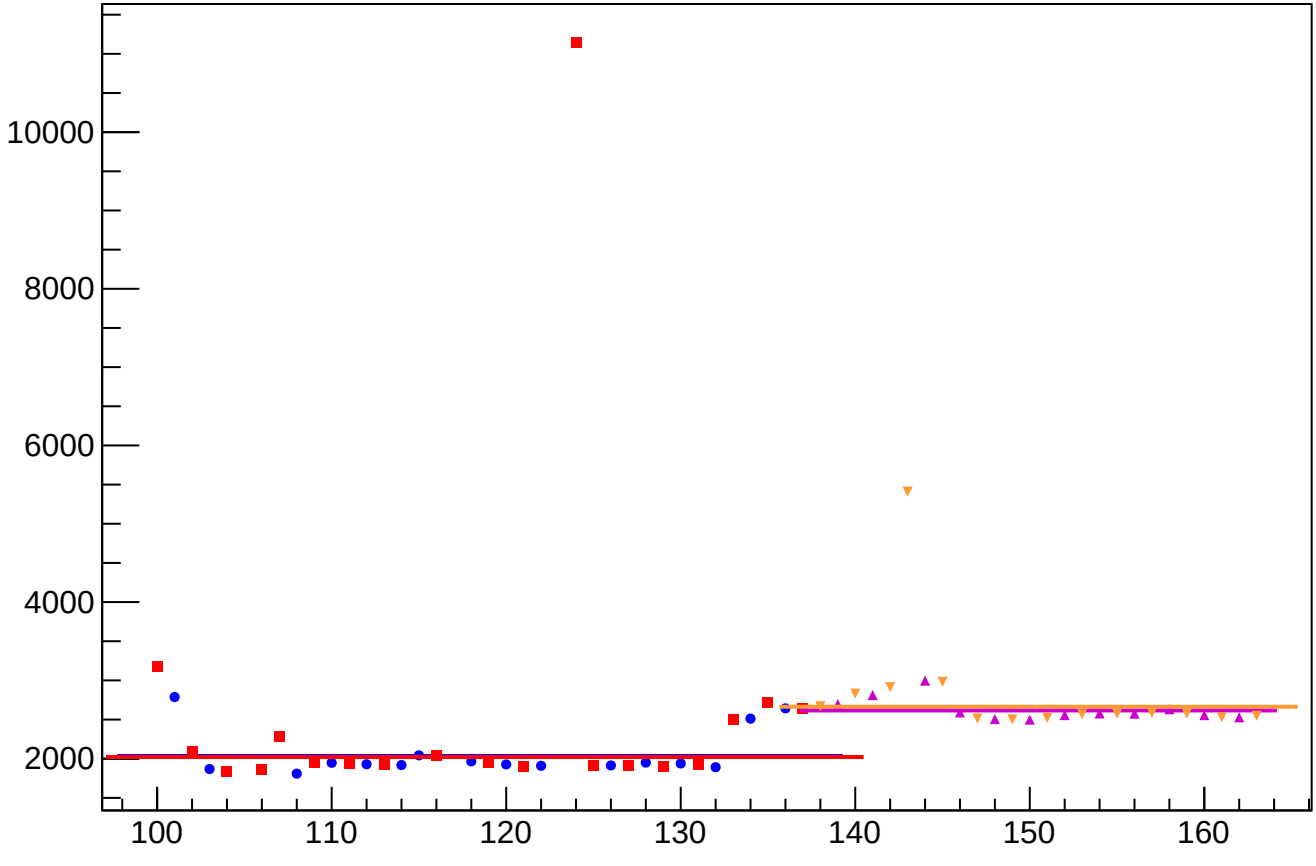
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2531.861+/-557.157 χ^2/NDF:16.4/27

Out: 1322.768+/-550.860 χ^2/NDF:47.3/32

All: 1920.444+/-391.724 χ^2/NDF: 66.0/60

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2616.332+/-0.575 χ^2/NDF:51133.1/11

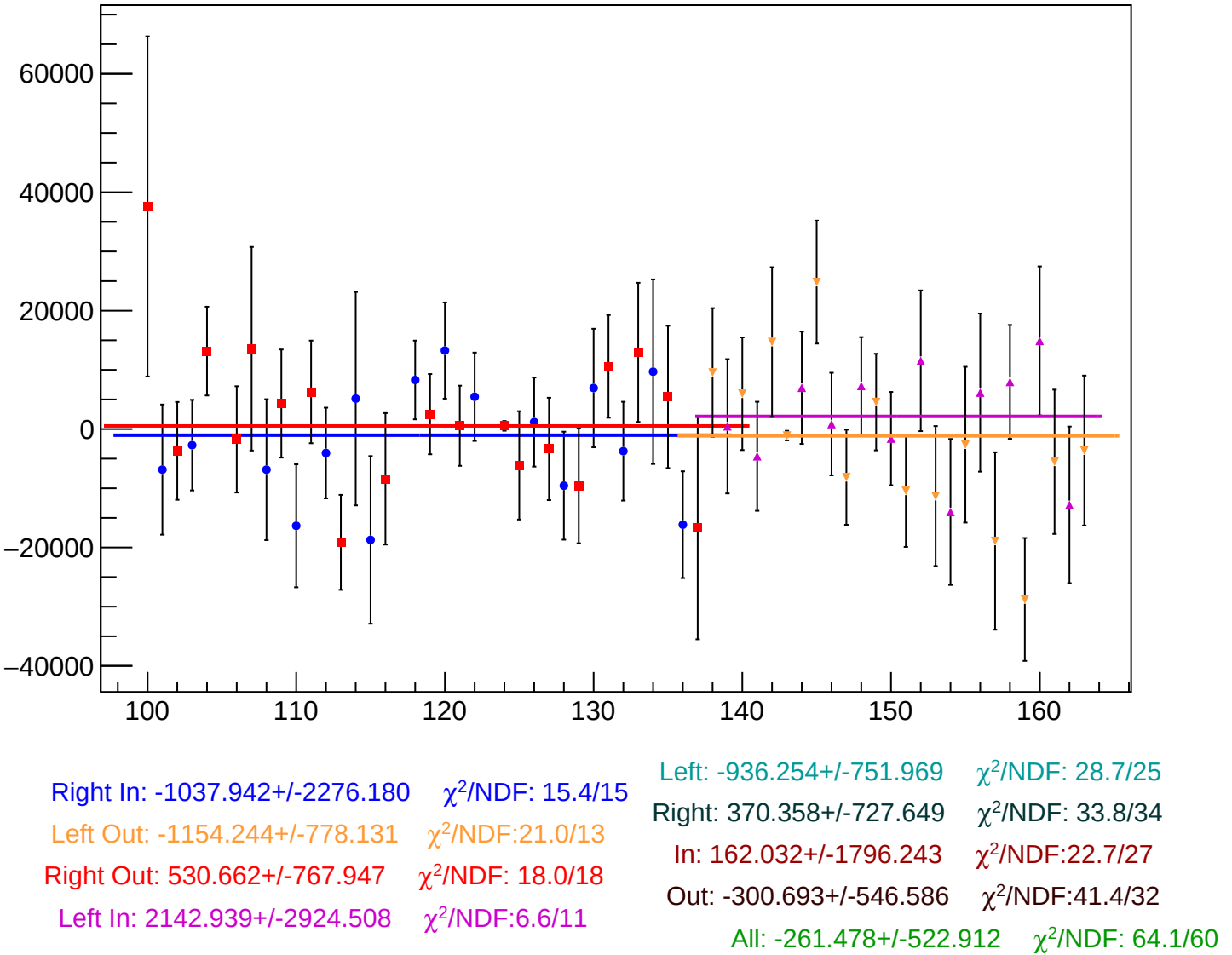
Left: 2640.169+/-0.404 χ^2/NDF: 540403.2/25

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2307.007+/-0.394 χ^2/NDF:857858.3/27

Out: 2322.781+/-0.390 χ^2/NDF:1552518.2/32

All: 2314.984+/-0.277 χ^2/NDF: 2411187.1/60


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
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−20000
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100
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120
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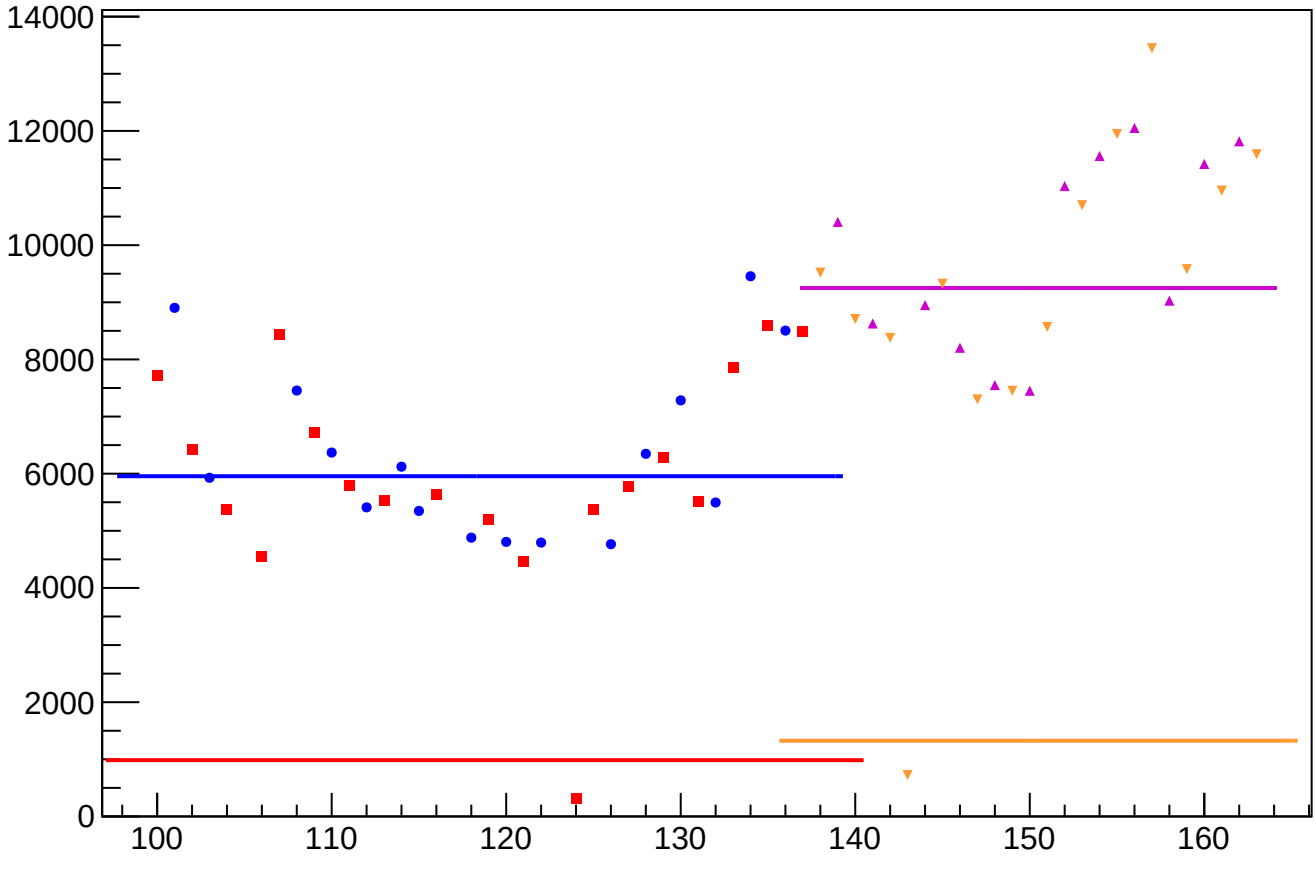
140
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1154.244+/-778.131 χ²/NDF:21.0/13
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2142.939+/-2924.508 χ²/NDF:6.6/11
Left: -936.254+/-751.969 χ²/NDF: 28.7/25
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 162.032+/-1796.243 χ²/NDF:22.7/27
Out: -300.693+/-546.586 χ²/NDF:41.4/32
All: -261.478+/-522.912 χ²/NDF: 64.1/60



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9249.915+/-2.068 χ^2/NDF:589453.2/11

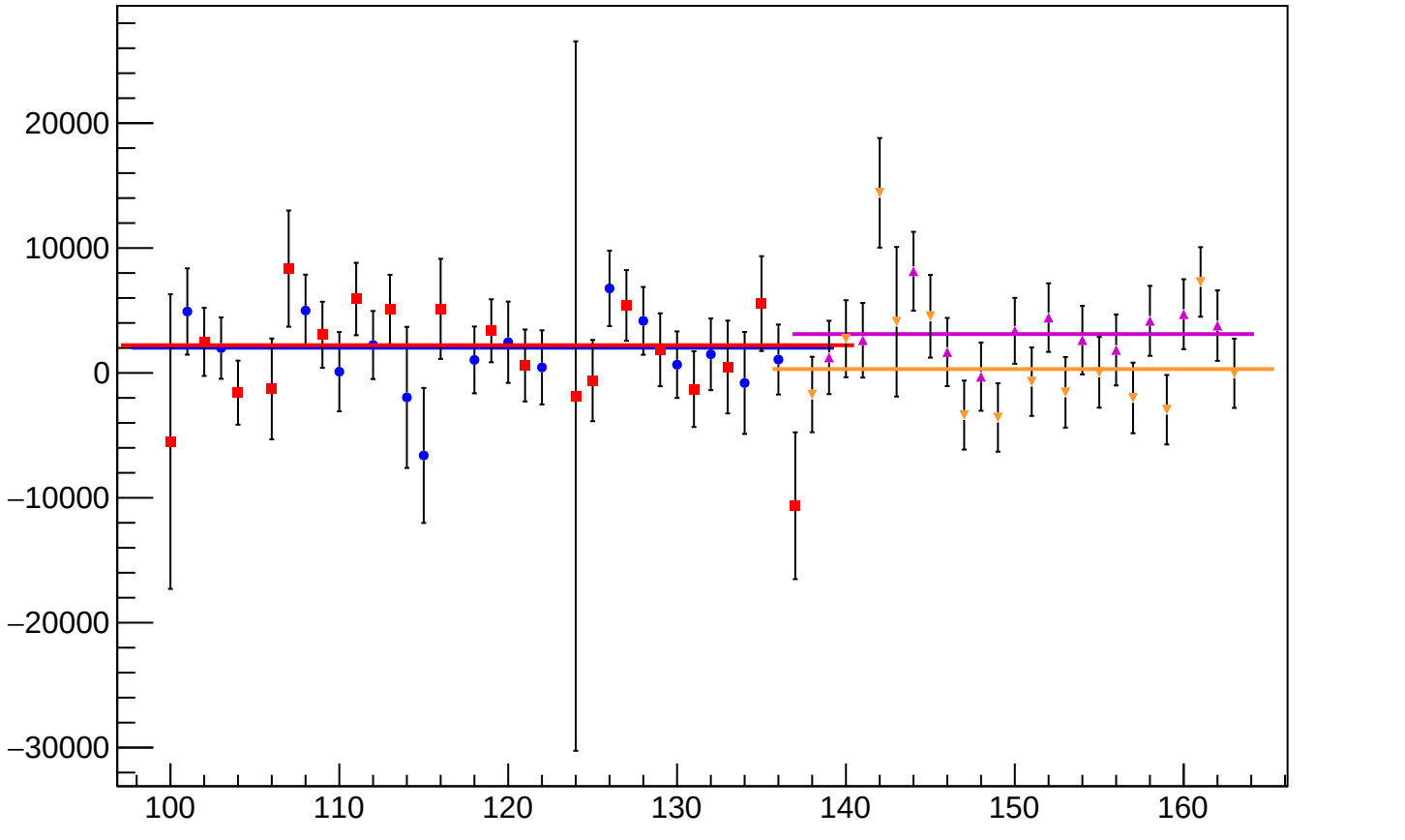
Left: 1849.518+/-0.532 χ^2/NDF: 30656991.1/25

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7198.390+/-1.270 χ^2/NDF:2858973.2/27

Out: 1153.084+/-0.386 χ^2/NDF:27961207.2/32

All: 1665.409+/-0.370 χ^2/NDF: 51553909.1/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 309.060+/-804.134 χ^2/NDF:26.1/13

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 3108.960+/-813.848 χ^2/NDF:5.8/11

Left: 1692.201+/-572.012 χ^2/NDF: 37.9/25

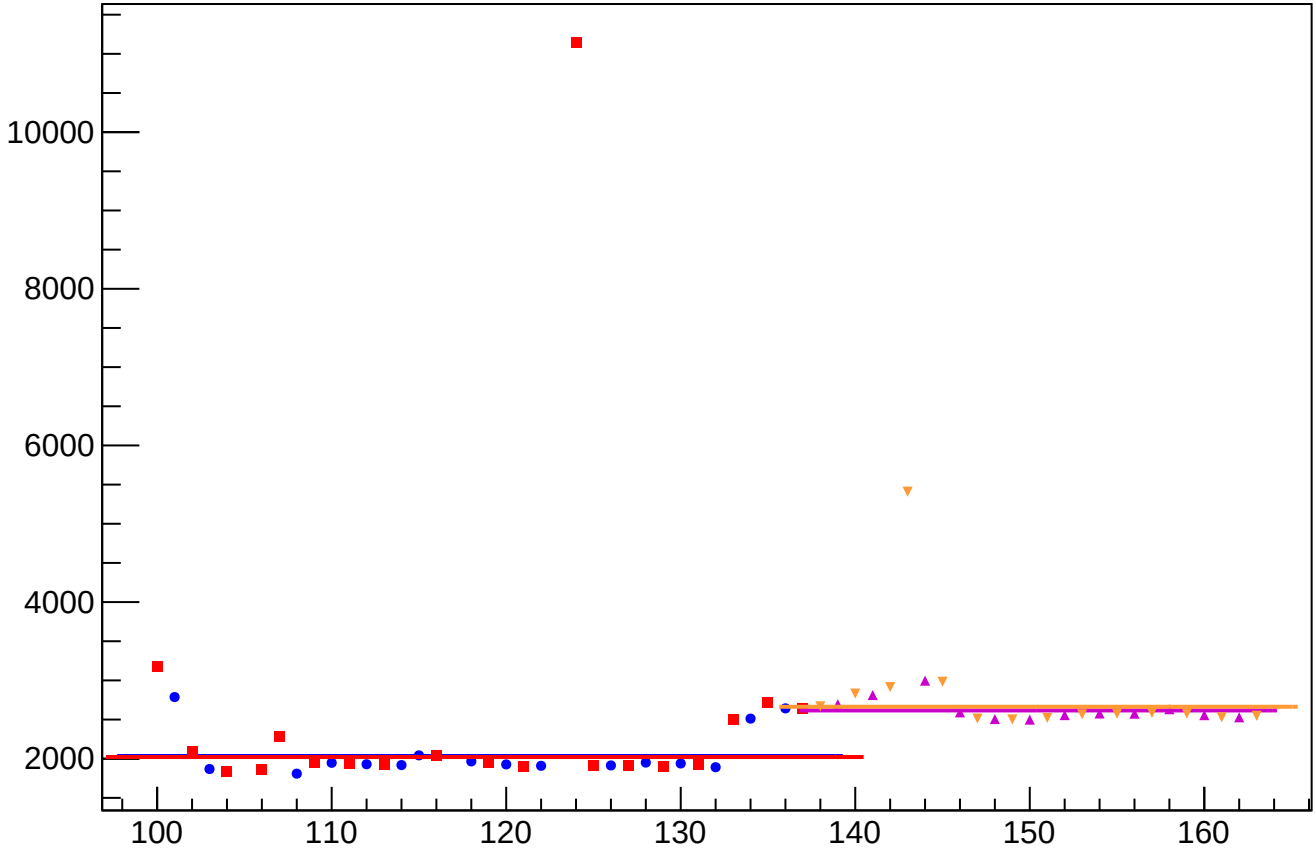
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2531.861+/-557.157 χ^2/NDF:16.4/27

Out: 1322.768+/-550.860 χ^2/NDF:47.3/32

All: 1920.444+/-391.724 χ^2/NDF: 66.0/60

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2663.440+/-0.569 χ^2/NDF:485879.4/13

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2616.332+/-0.575 χ^2/NDF:51133.1/11

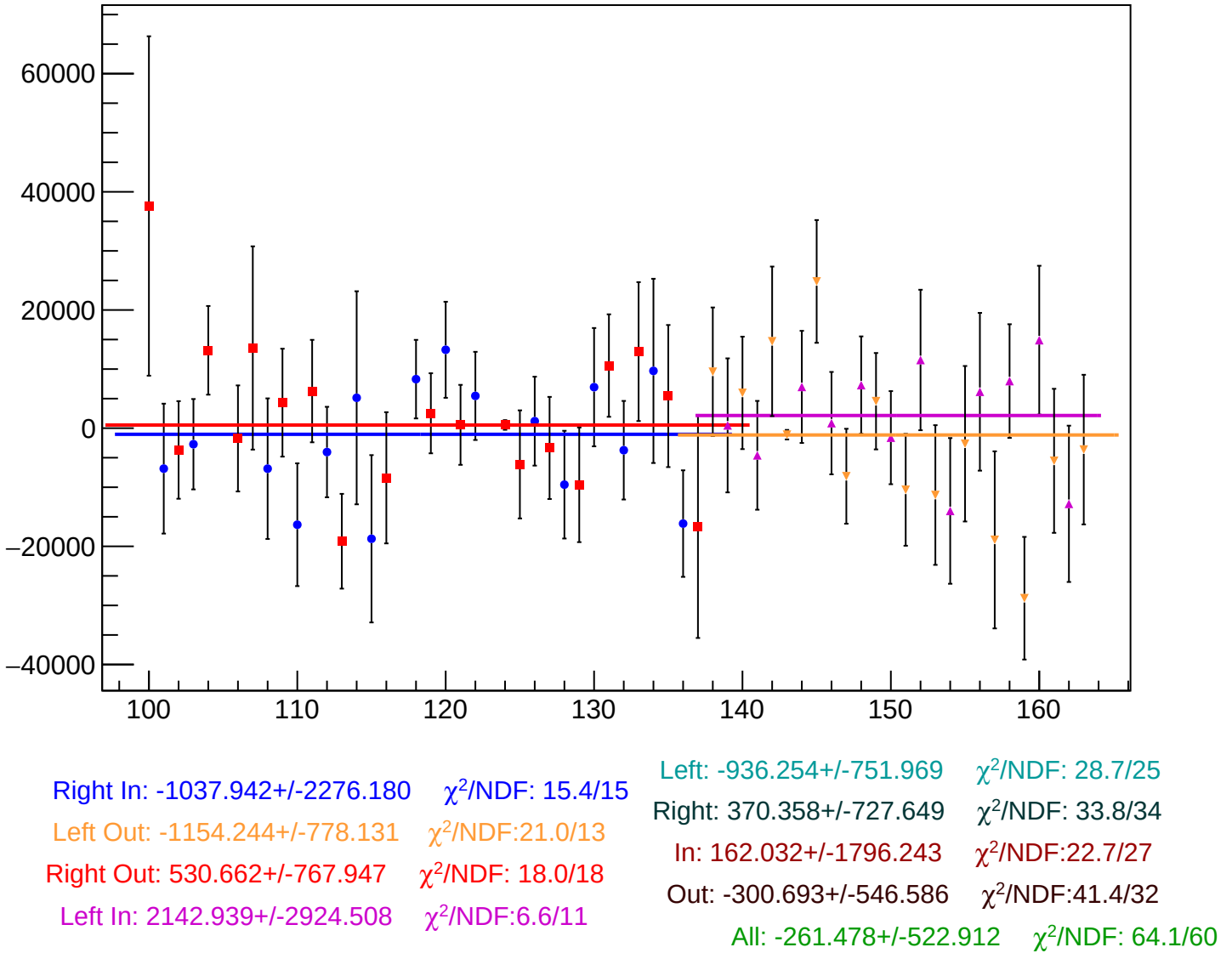
Left: 2640.169+/-0.404 χ^2/NDF: 540403.2/25

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2307.007+/-0.394 χ^2/NDF:857858.3/27

Out: 2322.781+/-0.390 χ^2/NDF:1552518.2/32

All: 2314.984+/-0.277 χ^2/NDF: 2411187.1/60


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
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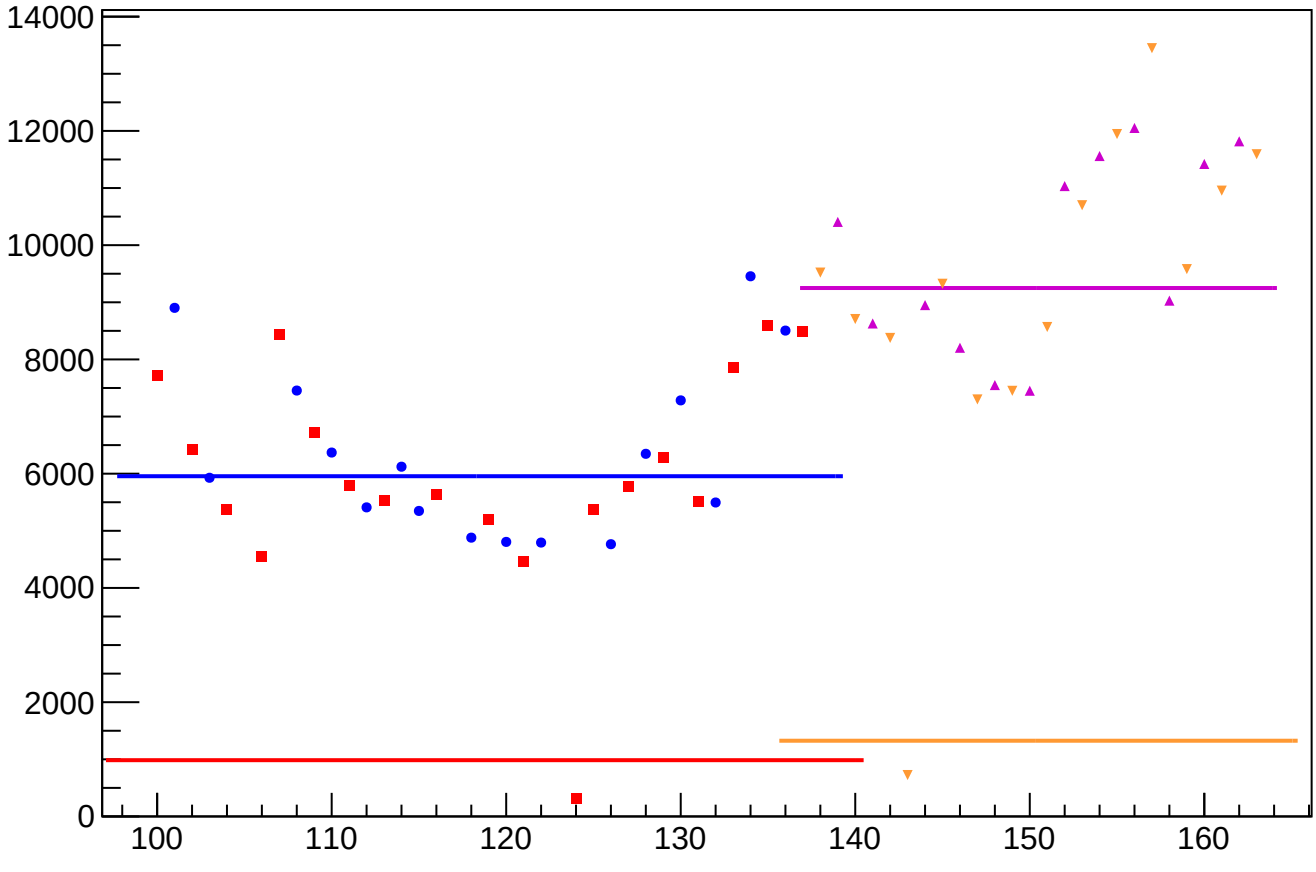
150
160
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1154.244+/-778.131 χ²/NDF:21.0/13
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 2142.939+/-2924.508 χ²/NDF:6.6/11
Left: -936.254+/-751.969 χ²/NDF: 28.7/25
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 162.032+/-1796.243 χ²/NDF:22.7/27
Out: -300.693+/-546.586 χ²/NDF:41.4/32
All: -261.478+/-522.912 χ²/NDF: 64.1/60



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1325.610+/-0.550 χ^2/NDF:16354284.8/13

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9249.915+/-2.068 χ^2/NDF:589453.2/11

Left: 1849.518+/-0.532 χ^2/NDF: 30656991.1/25

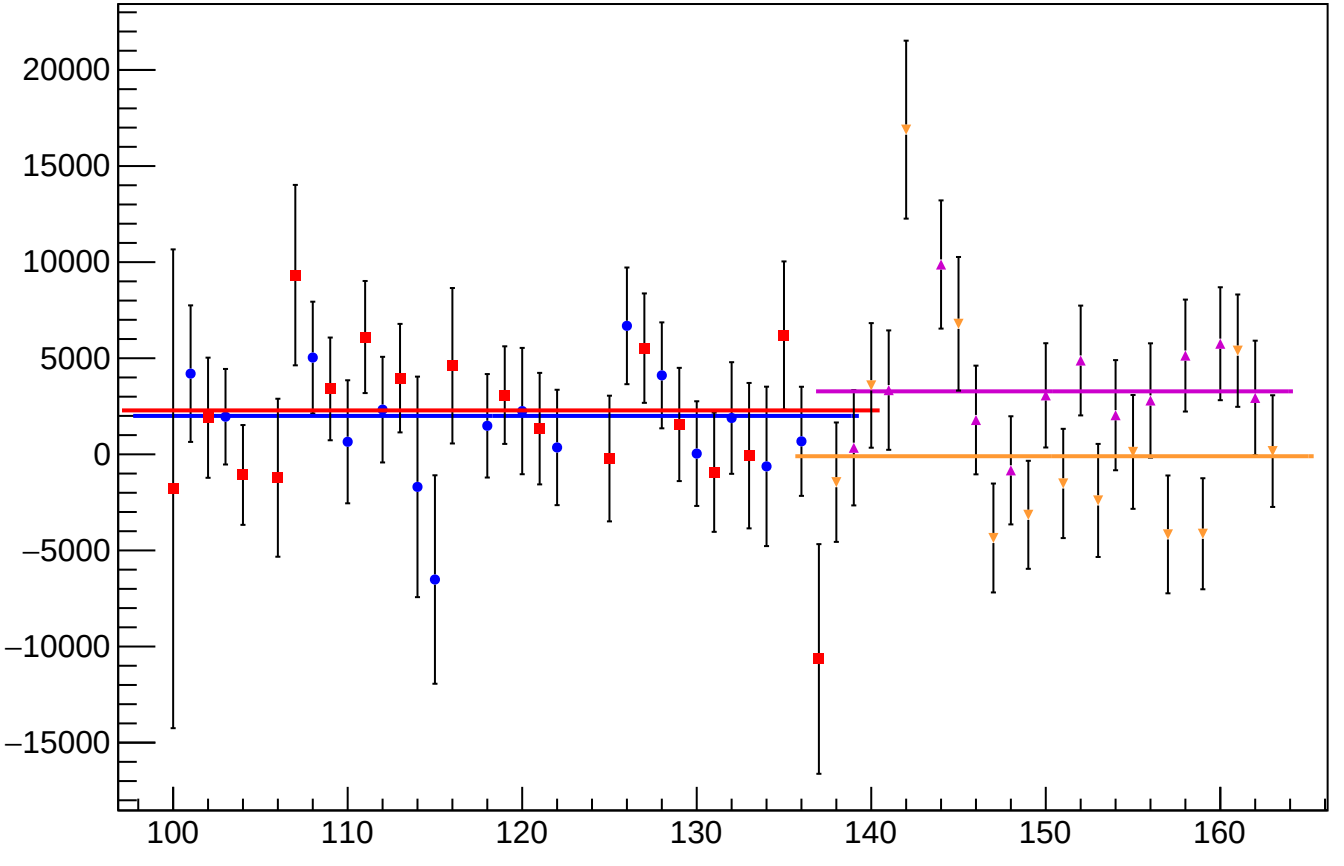
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7198.390+/-1.270 χ^2/NDF:2858973.2/27

Out: 1153.084+/-0.386 χ^2/NDF:27961207.2/32

All: 1665.409+/-0.370 χ^2/NDF: 51553909.1/6

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.188+/-846.854 χ^2/NDF:30.4/12

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3277.182+/-846.422 χ^2/NDF:9.0/11

Left: 1590.358+/-598.663 χ^2/NDF: 47.3/24

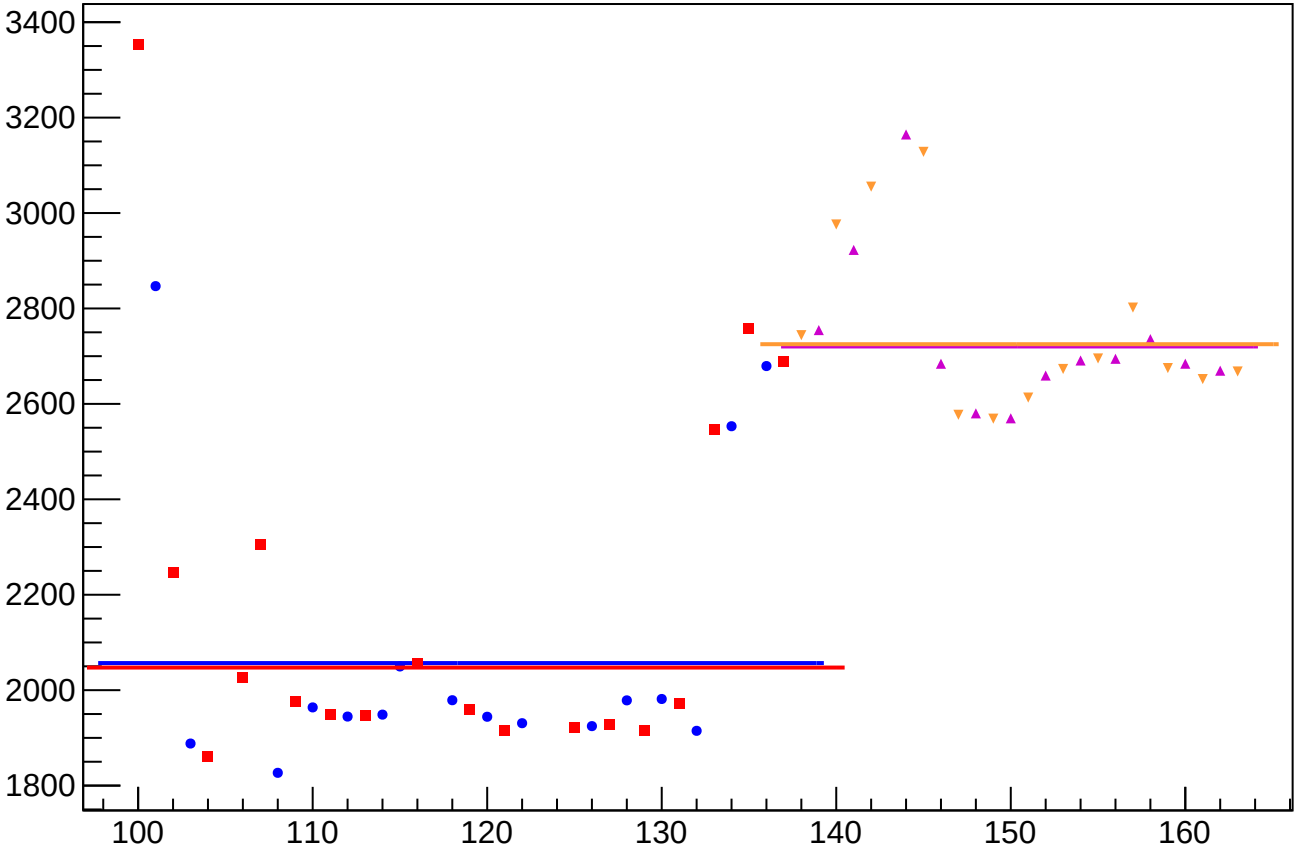
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2580.817+/-571.005 χ^2/NDF:19.2/27

Out: 1204.932+/-570.235 χ^2/NDF:51.4/30

All: 1891.945+/-403.489 χ^2/NDF: 73.5/58

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.096+/-0.599 χ^2/NDF:68540.1/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2720.335+/-0.599 χ^2/NDF:57900.4/11

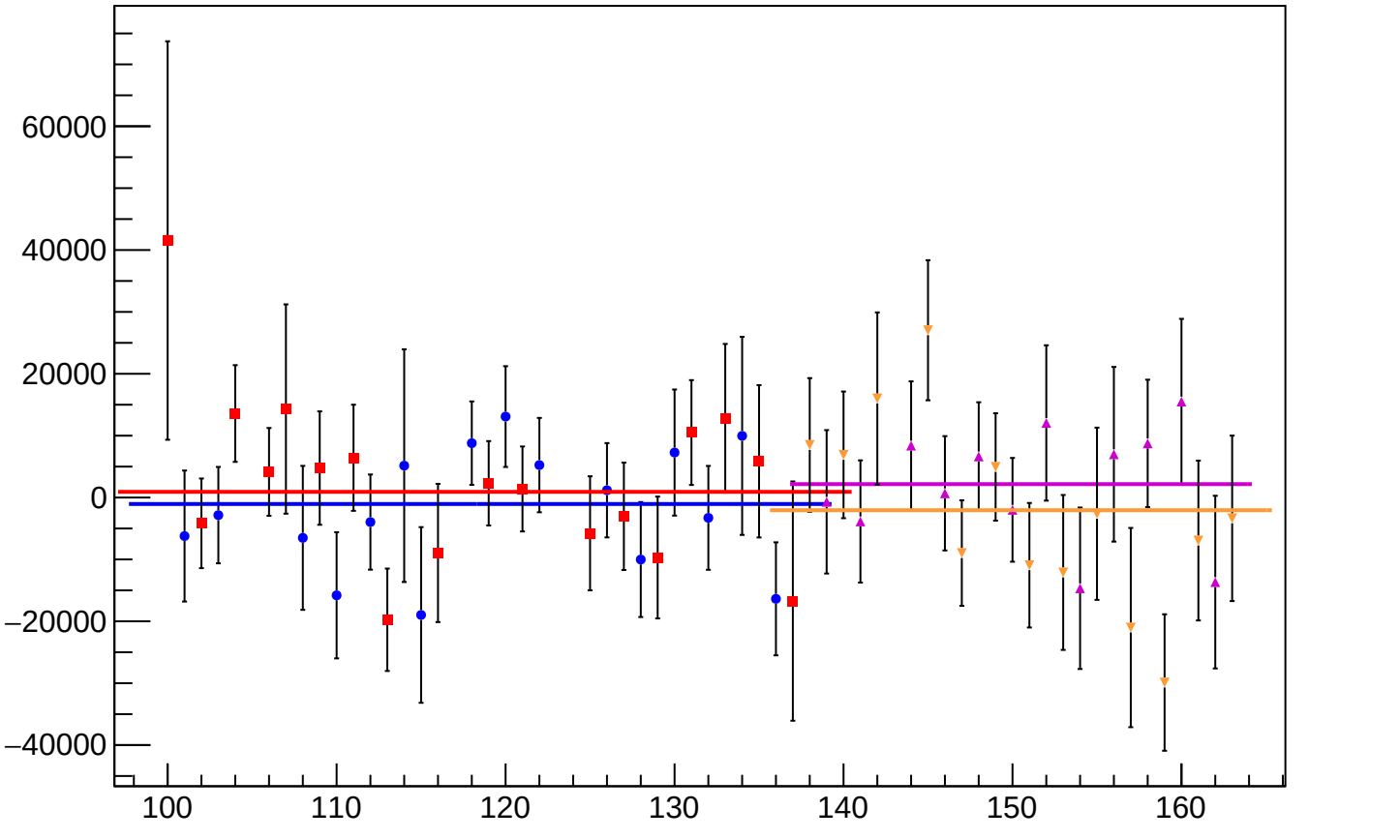
Left: 2722.714+/-0.423 χ^2/NDF: 126472.1/24

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2358.772+/-0.404 χ^2/NDF:998096.2/27

Out: 2354.167+/-0.403 χ^2/NDF:966098.1/30

All: 2356.464+/-0.285 χ^2/NDF: 1964259.5/58


asym_atl2_dit_correction_mean vs Slug, Sign Corrected
60000
40000
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0
−20000
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100
110
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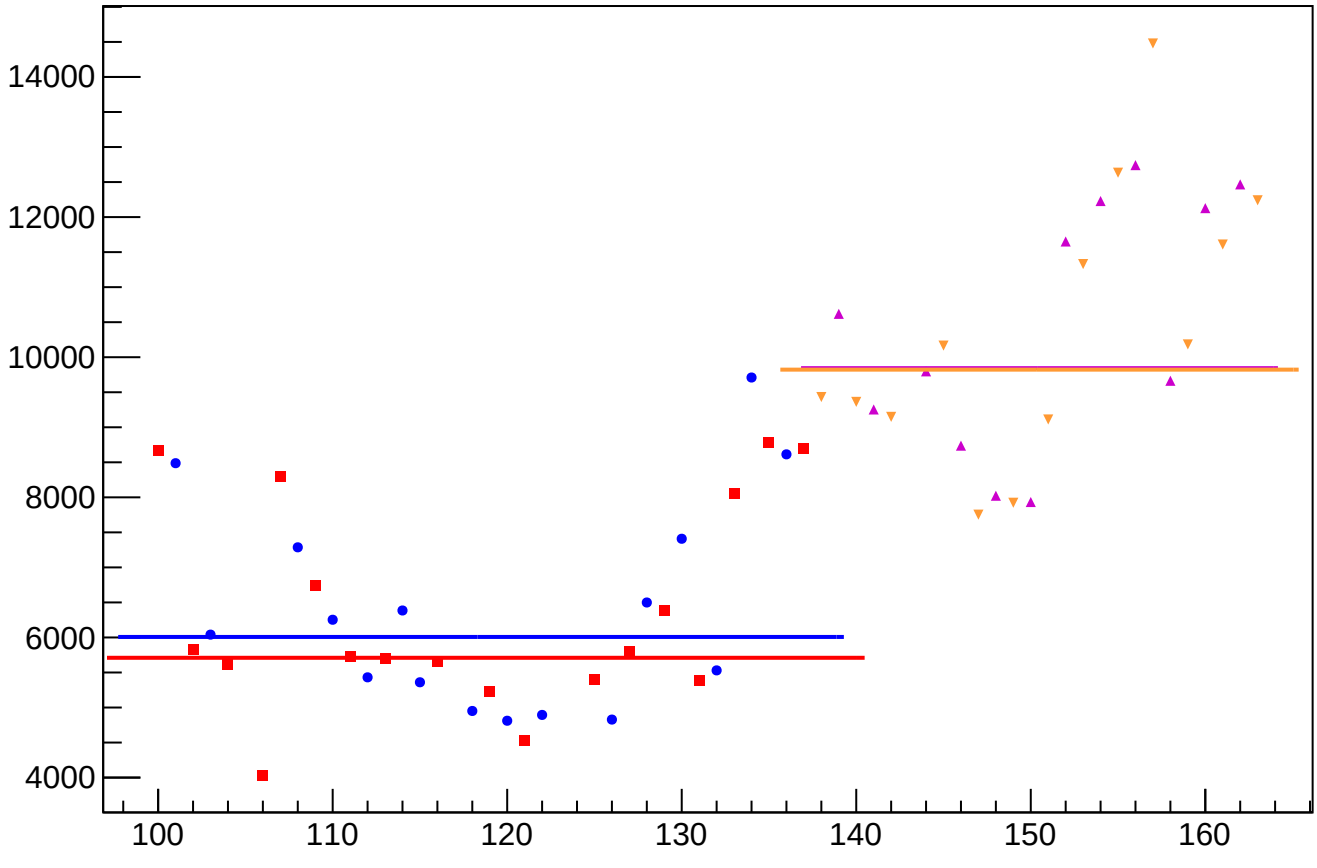
140
150
160
Right In: -1042.515+/-2294.607 χ²/NDF: 15.3/15
Left Out: -2045.264+/-3112.381 χ²/NDF:20.7/12
Right Out: 919.663+/-2150.895 χ²/NDF: 18.4/17
Left In: 2166.529+/-3110.313 χ²/NDF:6.4/11
Left: 62.032+/-2200.054 χ²/NDF: 28.0/24
Right: 1.940+/-1569.260 χ²/NDF: 34.1/33
In: 88.486+/-1846.493 χ²/NDF:22.4/27
Out: -38.664+/-1769.468 χ²/NDF:39.6/30
All: 22.204+/-1277.565 χ²/NDF: 62.1/58



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9822.724+/-2.201 χ^2/NDF:620467.5/12

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9844.100+/-2.199 χ^2/NDF:557429.8/11

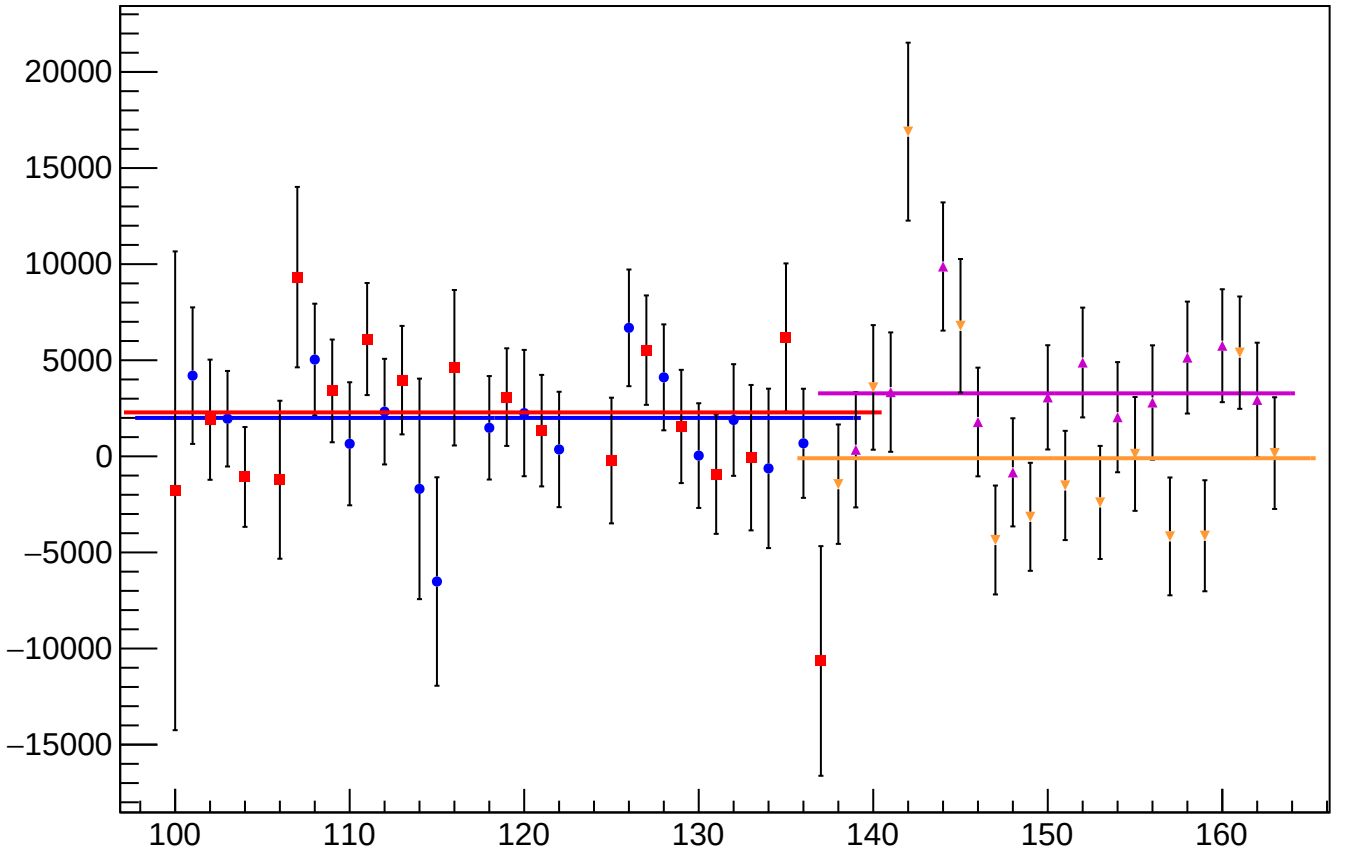
Left: 9833.419+/-1.556 χ^2/NDF: 1177944.5/24

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 7359.629+/-1.306 χ^2/NDF:3182082.4/27

Out: 7039.253+/-1.251 χ^2/NDF:3519977.6/30

All: 7192.619+/-0.903 χ^2/NDF: 6733446.0/58



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -98.196+/-846.855 χ^2/NDF:30.4/12

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3277.182+/-846.423 χ^2/NDF:9.0/11

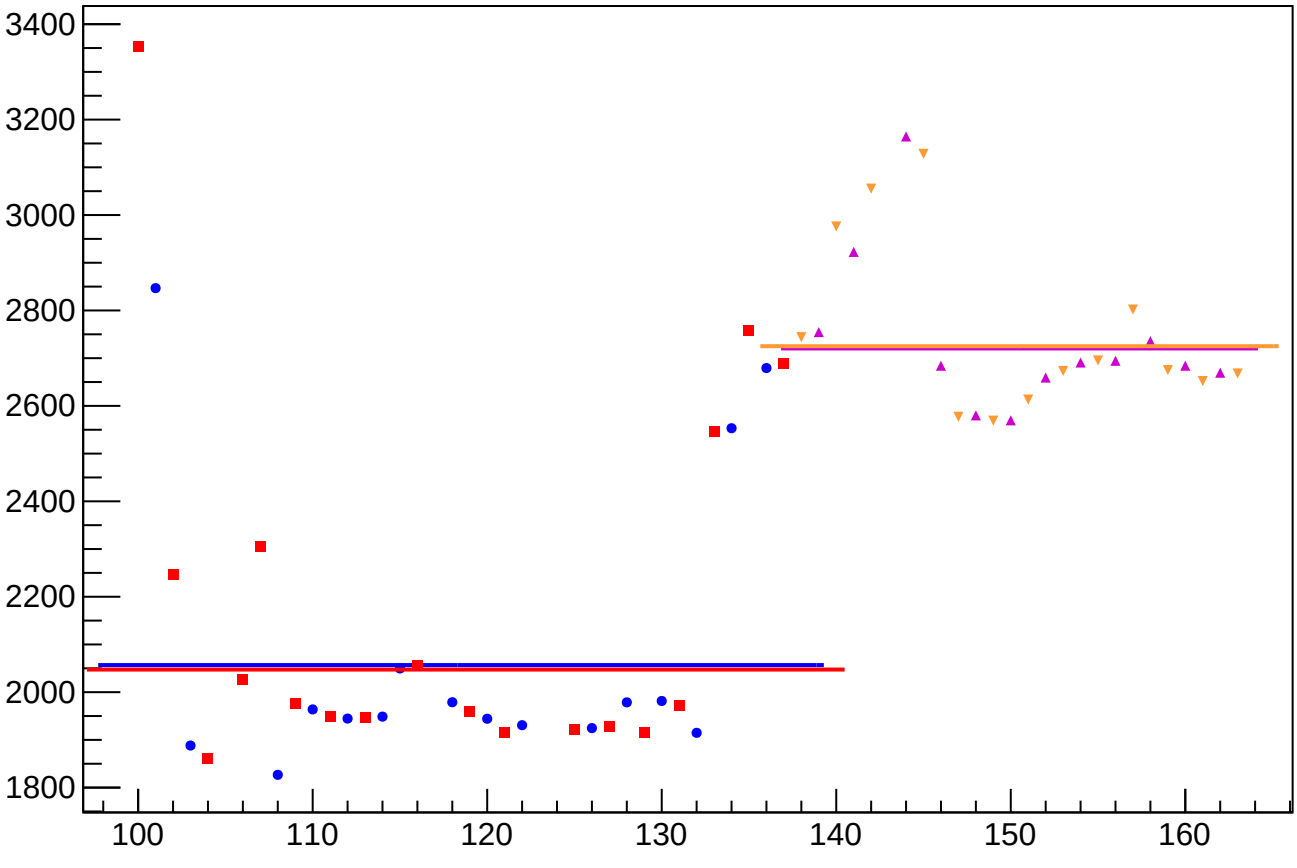
Left: 1590.354+/-598.664 χ^2/NDF: 47.3/24

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2580.818+/-571.005 χ^2/NDF:19.2/27

Out: 1204.931+/-570.235 χ^2/NDF:51.4/30

All: 1891.946+/-403.489 χ^2/NDF: 73.5/58



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2725.099+/-0.599 χ^2/NDF:68541.3/12

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2720.338+/-0.599 χ^2/NDF:57901.0/11

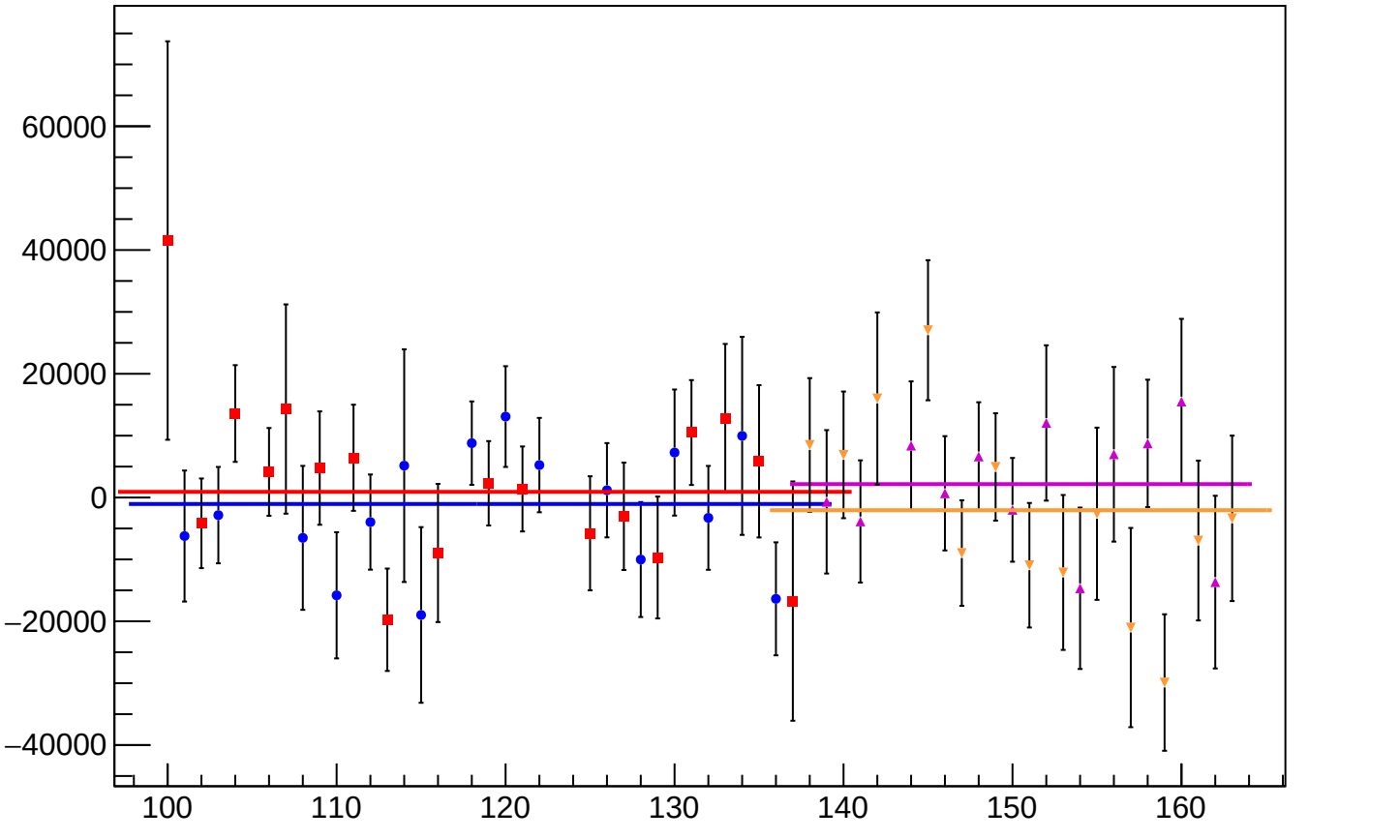
Left: 2722.717+/-0.423 χ^2/NDF: 126473.9/24

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2358.773+/-0.404 χ^2/NDF:998101.6/27

Out: 2354.168+/-0.403 χ^2/NDF:966105.3/30

All: 2356.465+/-0.285 χ^2/NDF: 1964272.1/58



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -2045.276+/-3112.386 χ^2/NDF:20.7/12

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2166.531+/-3110.317 χ^2/NDF:6.4/11

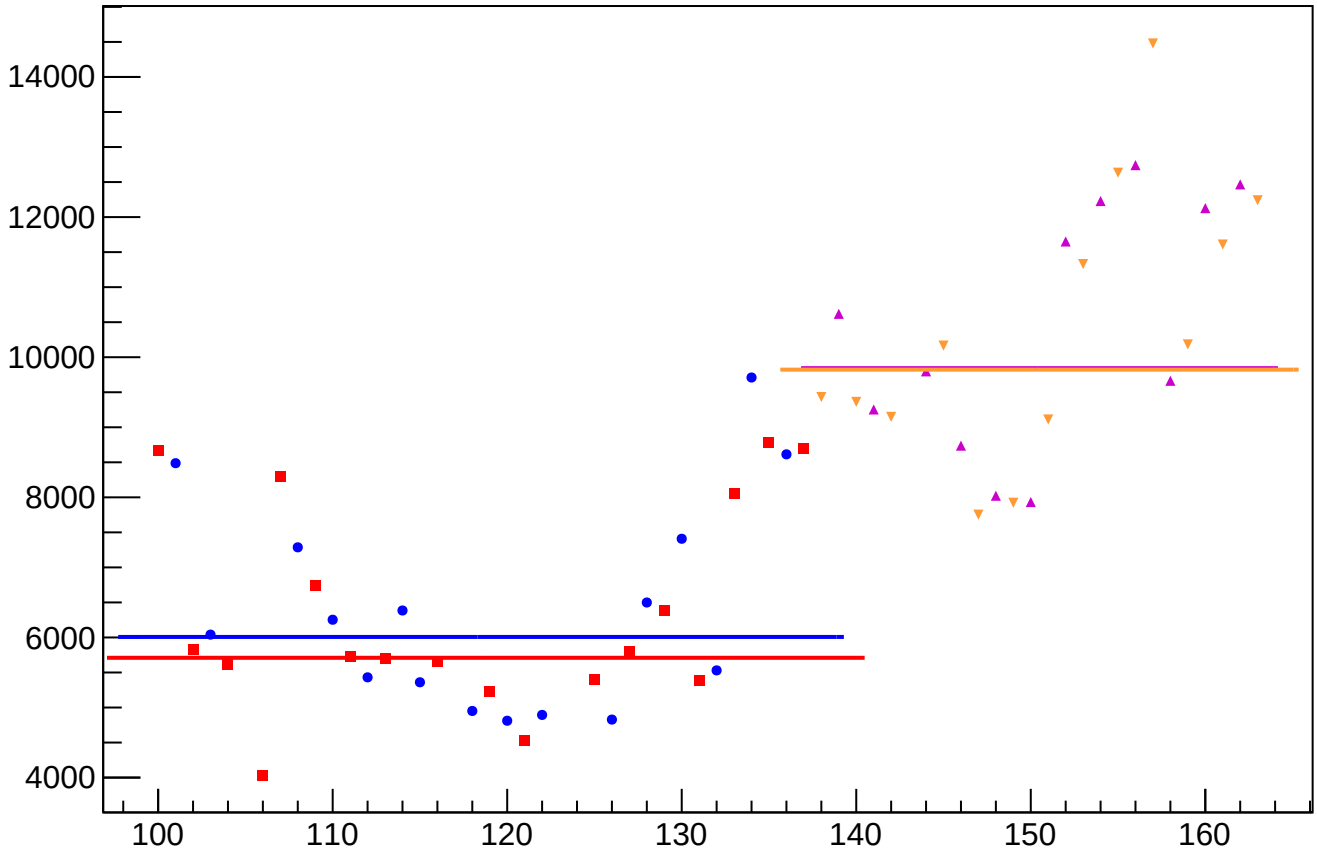
Left: 62.027+/-2200.057 χ^2/NDF: 28.0/24

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: 88.488+/-1846.491 χ^2/NDF:22.4/27

Out: -38.659+/-1769.465 χ^2/NDF:39.6/30

All: 22.207+/-1277.563 χ^2/NDF: 62.1/58



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9822.737+/-2.201 χ^2/NDF:620470.3/12

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9844.112+/-2.199 χ^2/NDF:557432.8/11

Left: 9833.432+/-1.556 χ^2/NDF: 1177950.3/24

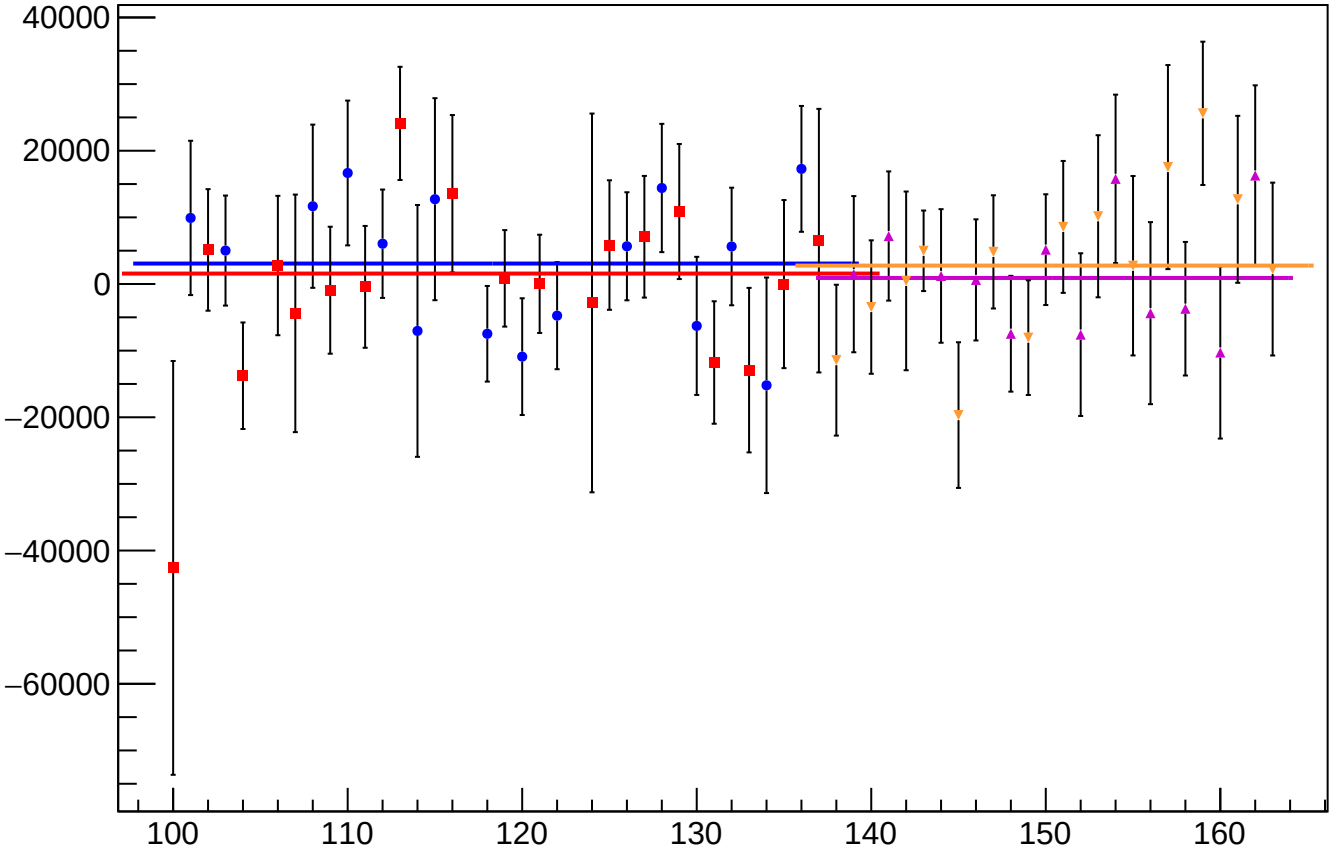
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7359.613+/-1.306 χ^2/NDF:3182126.9/27

Out: 7039.238+/-1.251 χ^2/NDF:3520018.2/30

All: 7192.604+/-0.903 χ^2/NDF: 6733530.9/58

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 2764.114+/-2730.394 χ^2/NDF:14.8/13

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 907.332+/-3050.836 χ^2/NDF:5.9/11

Left: 1938.326+/-2034.571 χ^2/NDF: 20.9/25

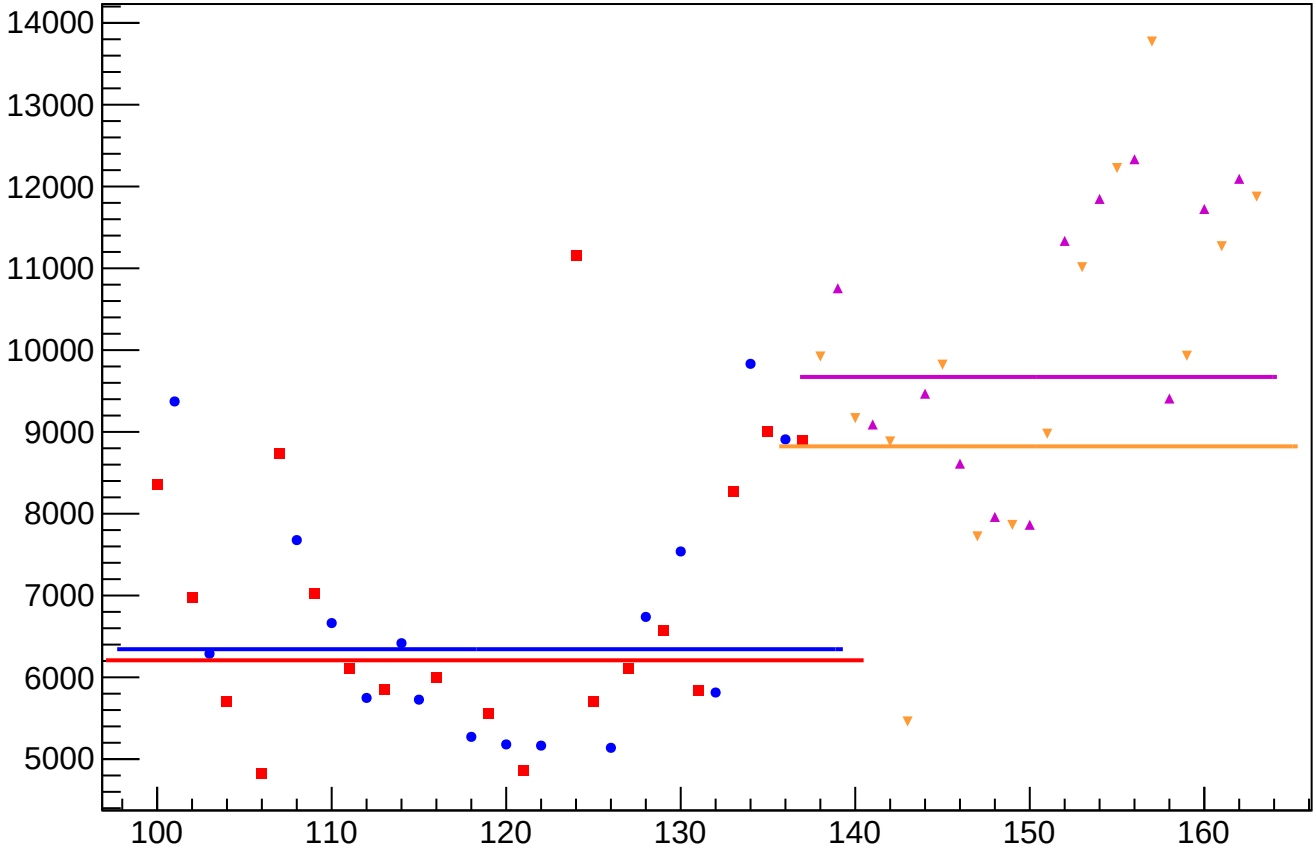
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2234.643+/-1896.299 χ^2/NDF:21.1/27

Out: 2072.950+/-1774.965 χ^2/NDF:34.1/32

All: 2148.459+/-1295.862 χ^2/NDF: 55.1/60

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8823.358+/-1.931 χ^2/NDF:1325846.1/13

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9672.022+/-2.157 χ^2/NDF:512895.4/11

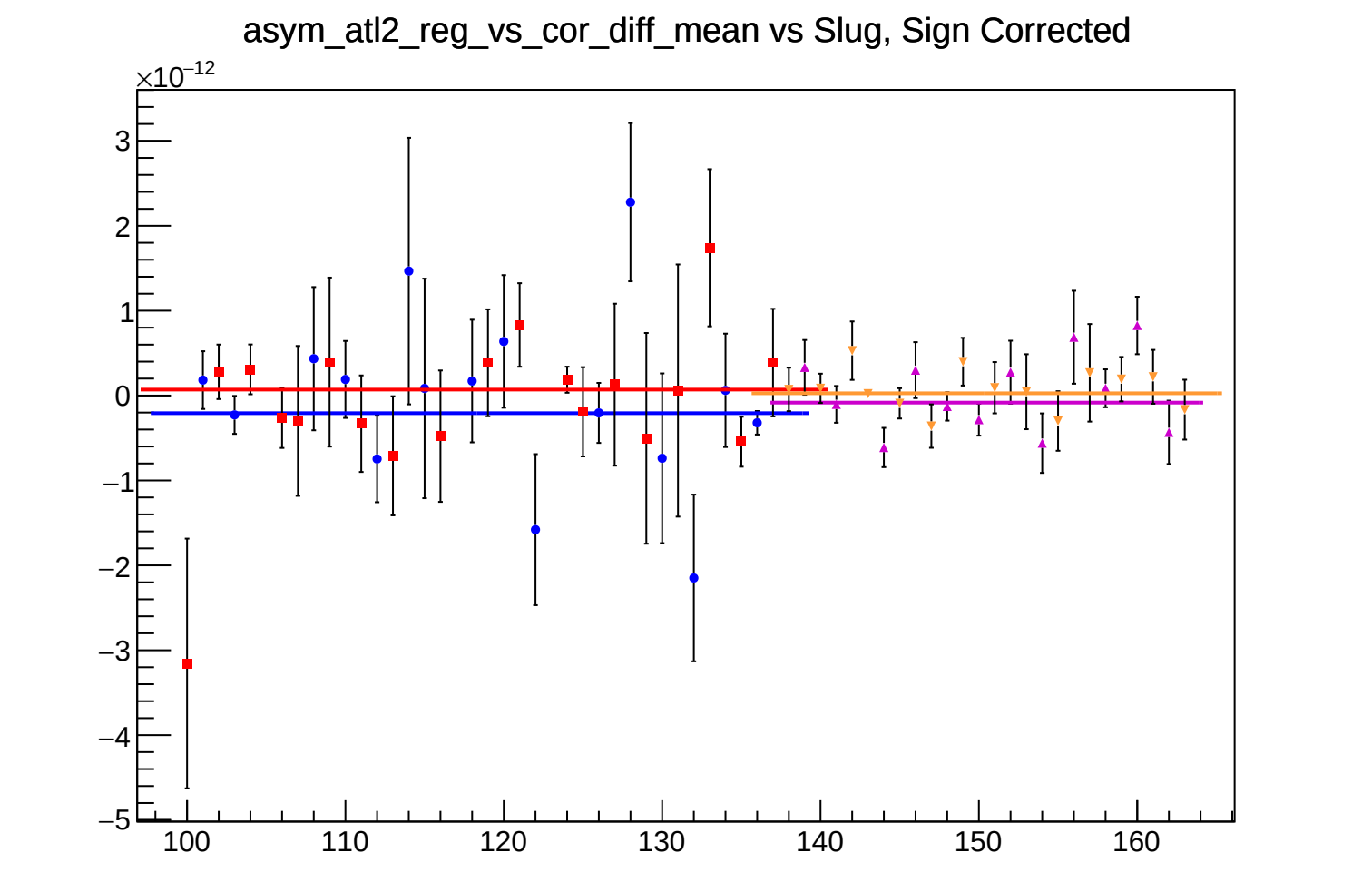
Left: 9200.794+/-1.439 χ^2/NDF: 1924674.3/25

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7629.638+/-1.341 χ^2/NDF:2594772.8/27

Out: 7313.303+/-1.255 χ^2/NDF:2857152.3/32

All: 7461.027+/-0.916 χ^2/NDF: 5481590.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:22.9/11

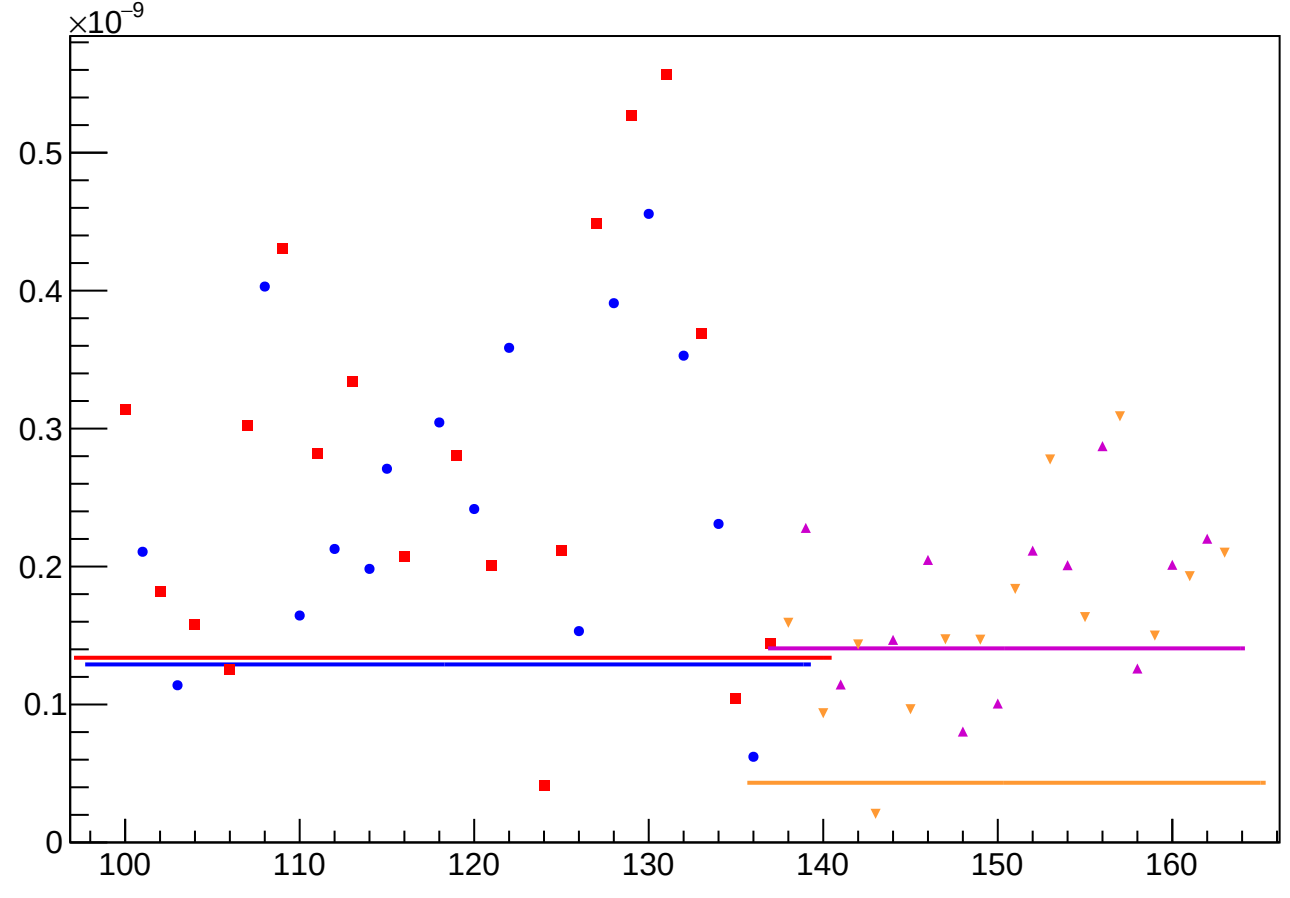
Left: 0.000+/-0.000 χ^2/NDF: 33.6/25

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:44.9/27

Out: 0.000+/-0.000 χ^2/NDF:30.0/32

All: -0.000+/-0.000 χ^2/NDF: 80.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:5216071.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1042548.9/11

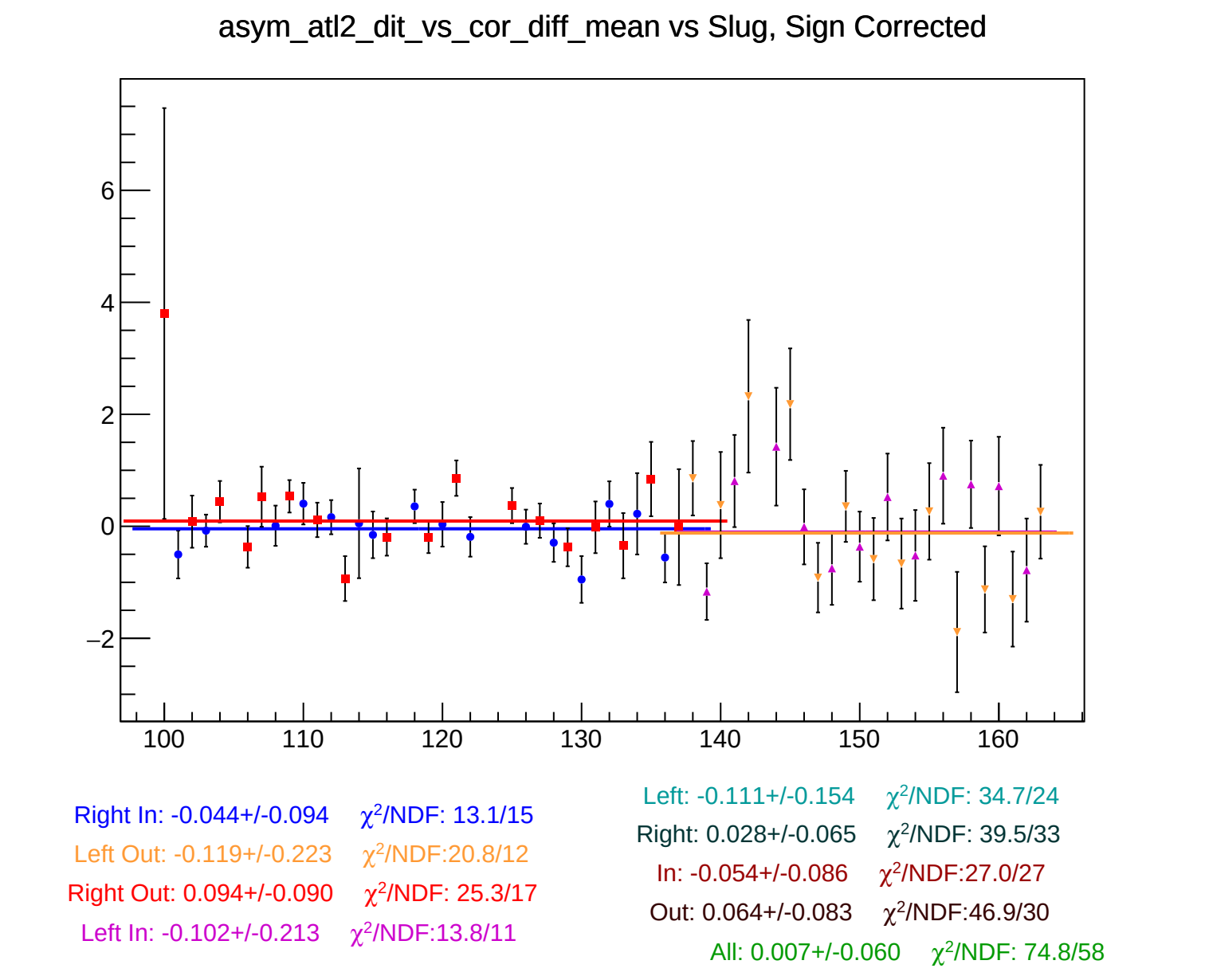
Left: 0.000+/-0.000 χ^2/NDF: 9105772.6/25

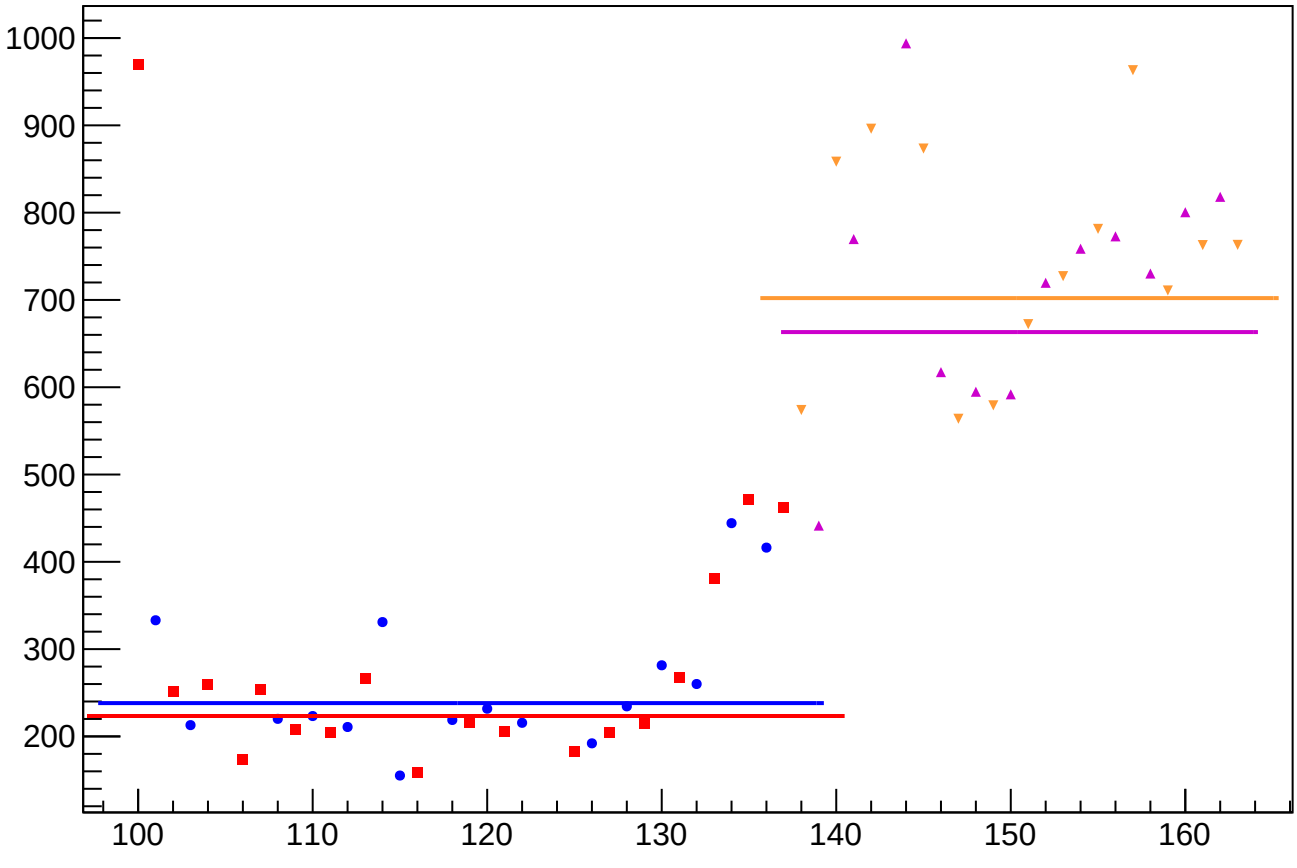
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2781291.4/27

Out: 0.000+/-0.000 χ^2/NDF:9130987.0/32

All: 0.000+/-0.000 χ^2/NDF: 15098510.8/60


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.119+/-0.223 χ²/NDF:20.8/12
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.102+/-0.213 χ²/NDF:13.8/11
Left: -0.111+/-0.154 χ²/NDF: 34.7/24
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.054+/-0.086 χ²/NDF:27.0/27
Out: 0.064+/-0.083 χ²/NDF:46.9/30
All: 0.007+/-0.060 χ²/NDF: 74.8/58



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 663.190+/-0.150 χ^2/NDF:865090.0/11

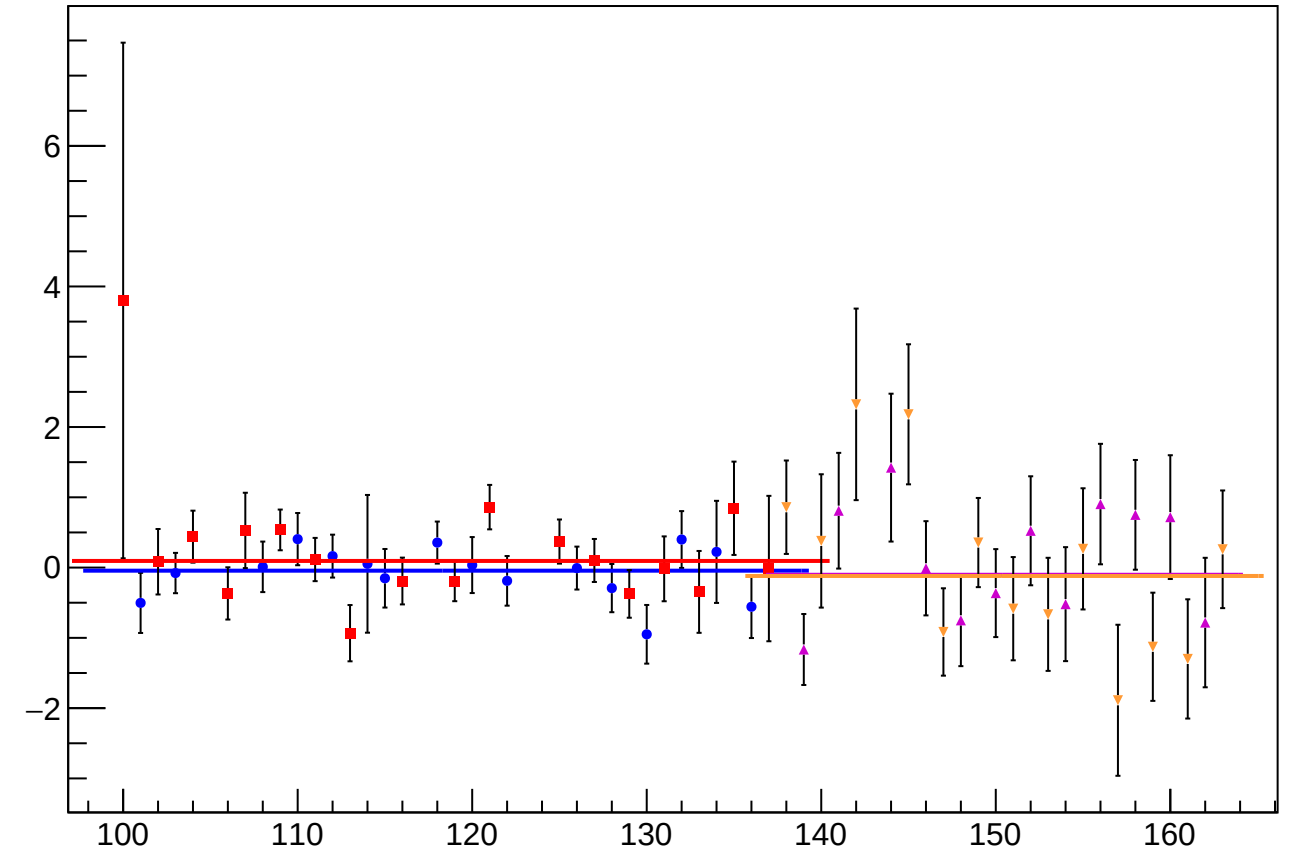
Left: 681.736+/-0.109 χ^2/NDF: 1460485.5/24

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 307.314+/-0.061 χ^2/NDF:8353175.4/27

Out: 290.476+/-0.059 χ^2/NDF:9349815.5/30

All: 298.662+/-0.042 χ^2/NDF: 17742541.8/58



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.102+/-0.213 χ^2/NDF:13.8/11

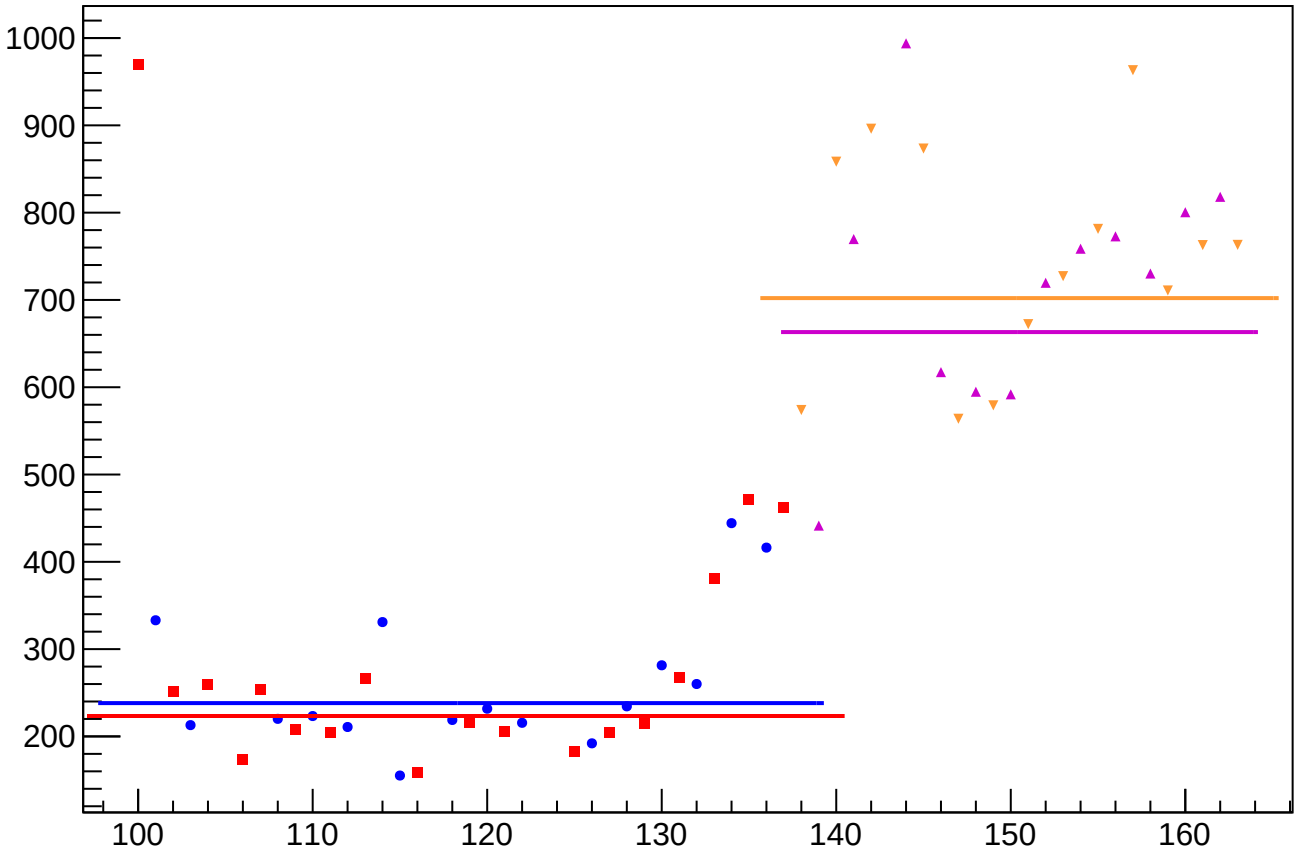
Left: -0.111+/-0.154 χ^2/NDF: 34.7/24

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.054+/-0.086 χ^2/NDF:27.0/27

Out: 0.064+/-0.083 χ^2/NDF:46.9/30

All: 0.007+/-0.060 χ^2/NDF: 74.8/58



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 702.108+/-0.158 χ^2/NDF:563515.0/12

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 663.190+/-0.150 χ^2/NDF:865090.0/11

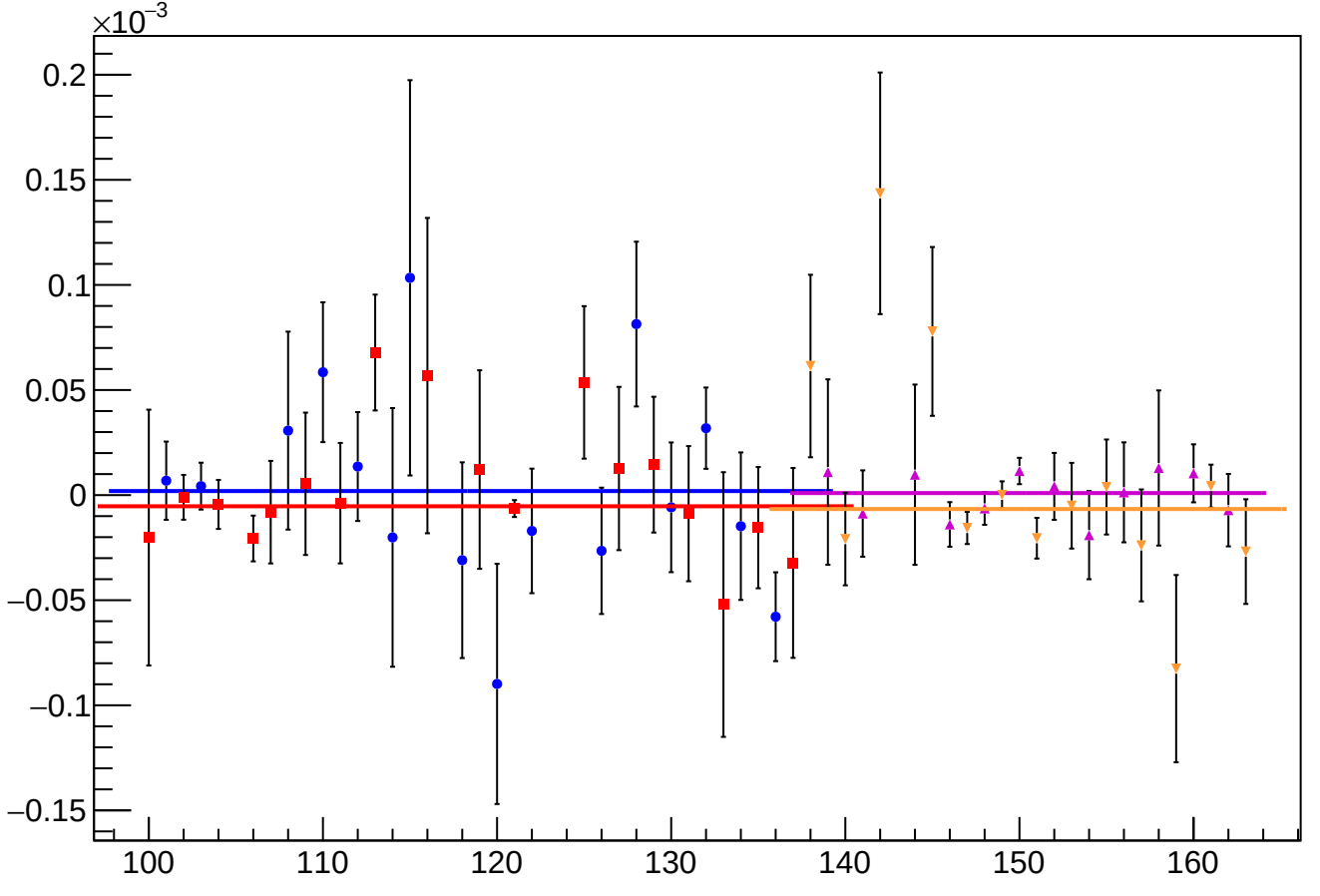
Left: 681.736+/-0.109 χ^2/NDF: 1460485.5/24

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 307.314+/-0.061 χ^2/NDF:8353175.4/27

Out: 290.476+/-0.059 χ^2/NDF:9349815.5/30

All: 298.662+/-0.042 χ^2/NDF: 17742541.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/12

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

Left In: 0.000+/-0.000 χ^2/NDF:7.7/11

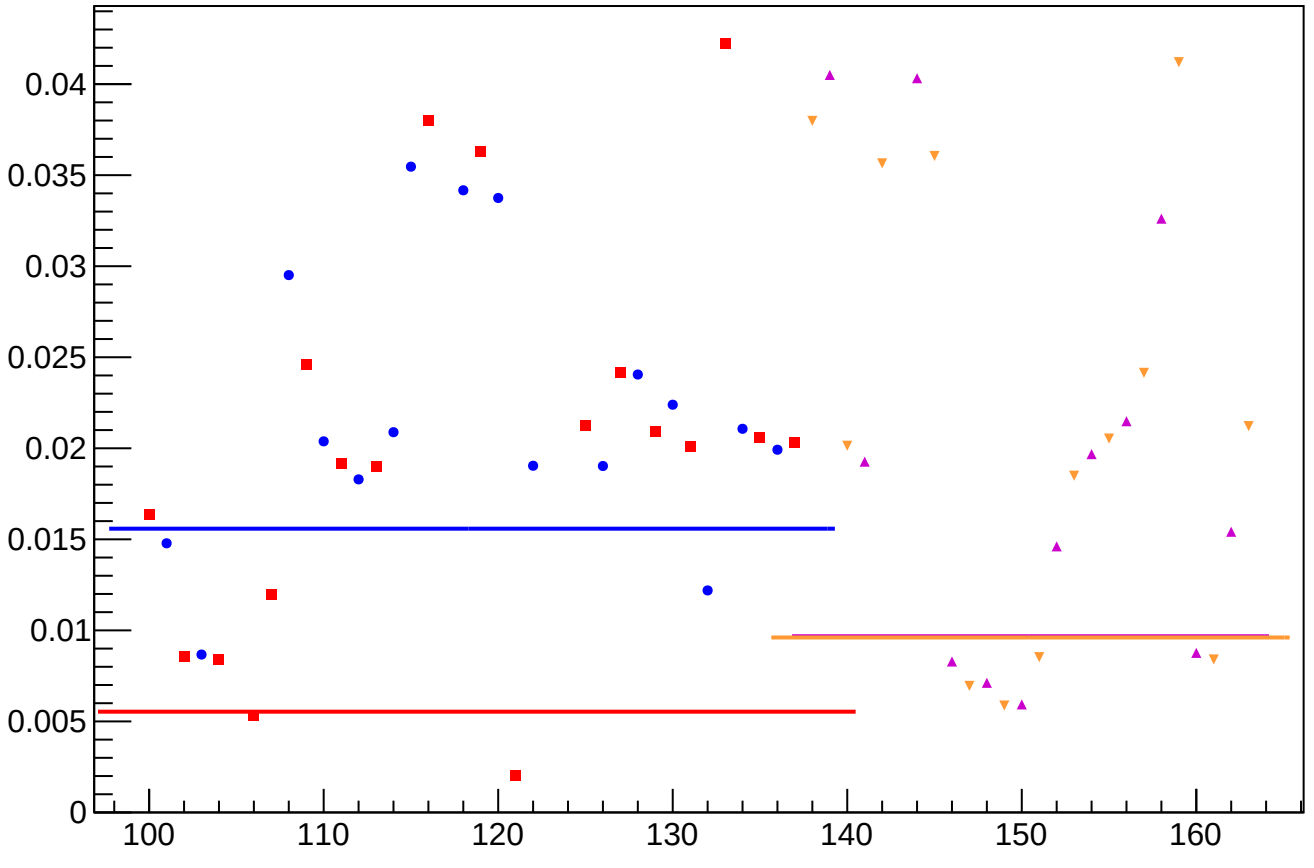
Left: -0.000+/-0.000 χ^2/NDF: 33.8/24

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:31.8/27

Out: -0.000+/-0.000 χ^2/NDF:38.6/30

All: -0.000+/-0.000 χ^2/NDF: 73.5/58



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:6442240.3/12

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.010+/-0.000 χ^2/NDF:5539376.0/11

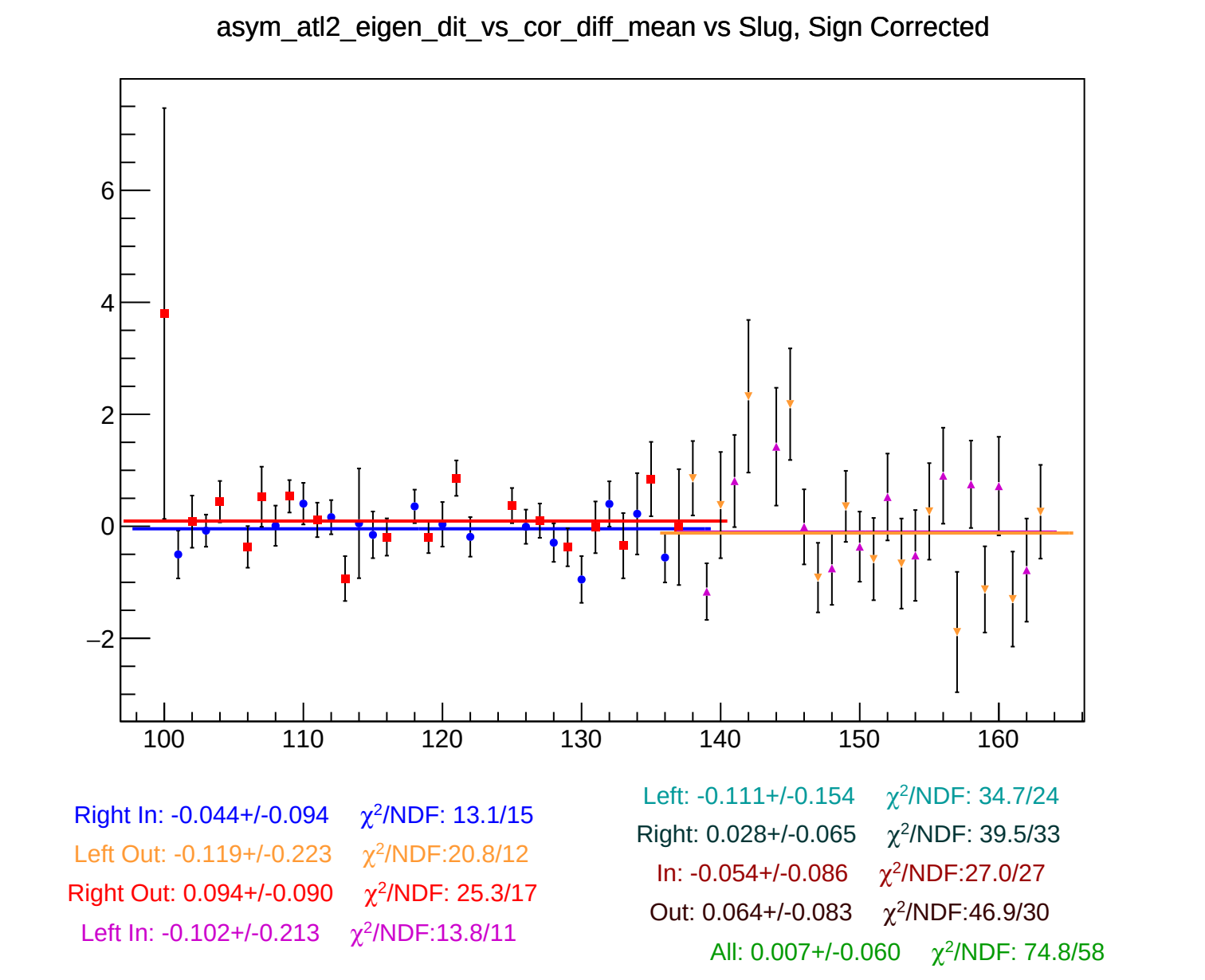
Left: 0.010+/-0.000 χ^2/NDF: 11981956.6/24

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:8891159.6/27

Out: 0.007+/-0.000 χ^2/NDF:15784456.8/30

All: 0.009+/-0.000 χ^2/NDF: 26559572.5/58


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
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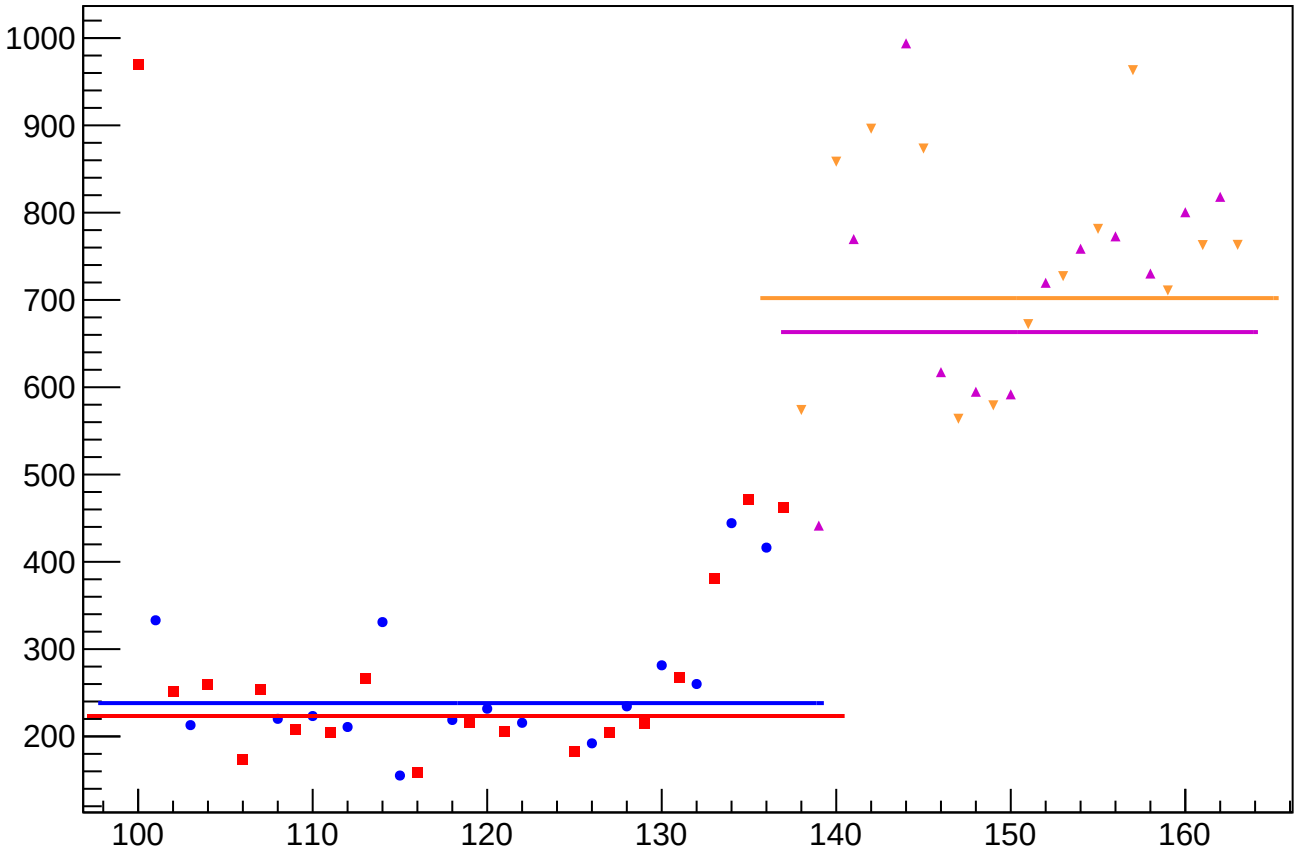
110
120
130
140
150
160
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.119+/-0.223 χ²/NDF:20.8/12
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.102+/-0.213 χ²/NDF:13.8/11
Left: -0.111+/-0.154 χ²/NDF: 34.7/24
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.054+/-0.086 χ²/NDF:27.0/27
Out: 0.064+/-0.083 χ²/NDF:46.9/30
All: 0.007+/-0.060 χ²/NDF: 74.8/58



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 702.115+/-0.158 χ^2/NDF:563565.6/12

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 663.199+/-0.150 χ^2/NDF:865077.8/11

Left: 681.745+/-0.109 χ^2/NDF: 1460519.0/24

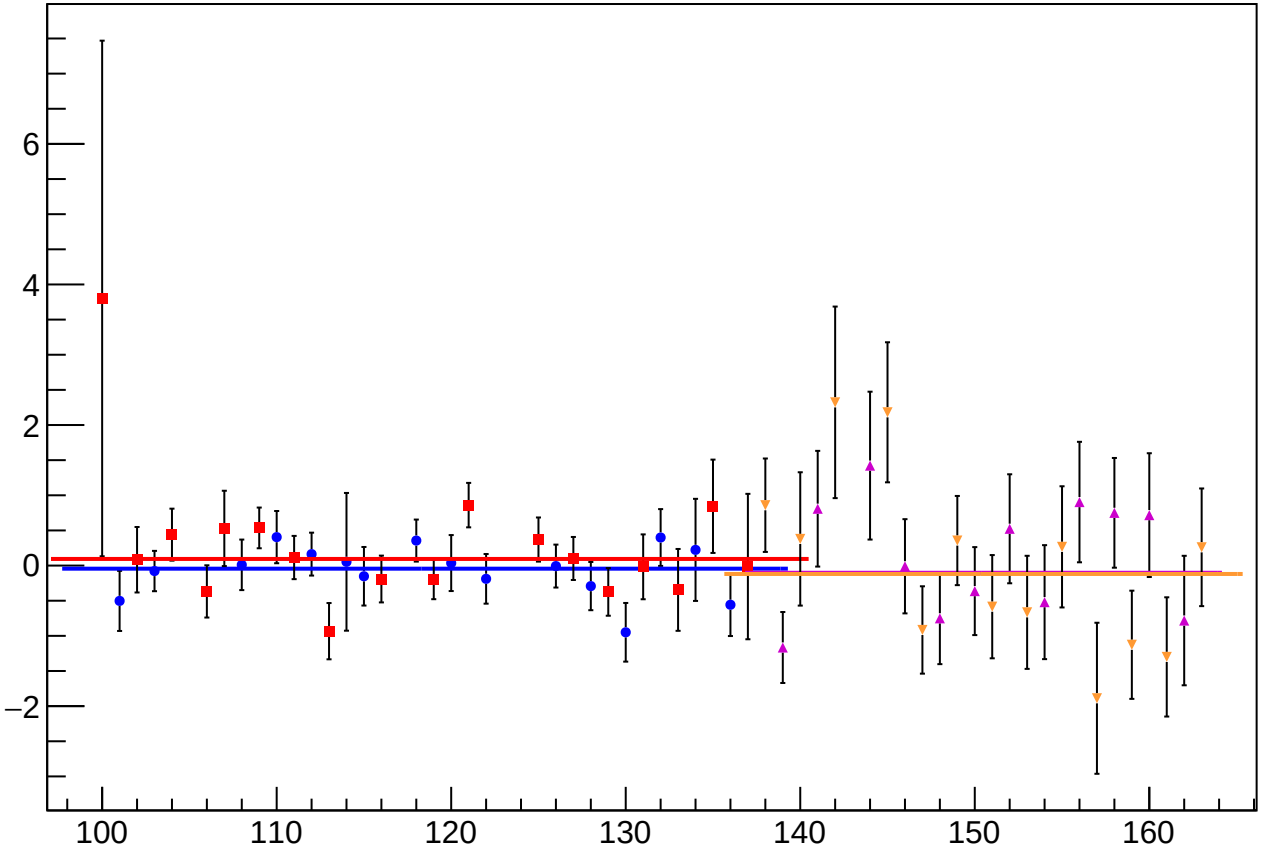
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 307.315+/-0.061 χ^2/NDF:8353246.6/27

Out: 290.477+/-0.059 χ^2/NDF:9349834.8/30

All: 298.663+/-0.042 χ^2/NDF: 17742628.6/58

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: -0.119+/-0.223 χ^2/NDF:20.8/12

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.102+/-0.213 χ^2/NDF:13.8/11

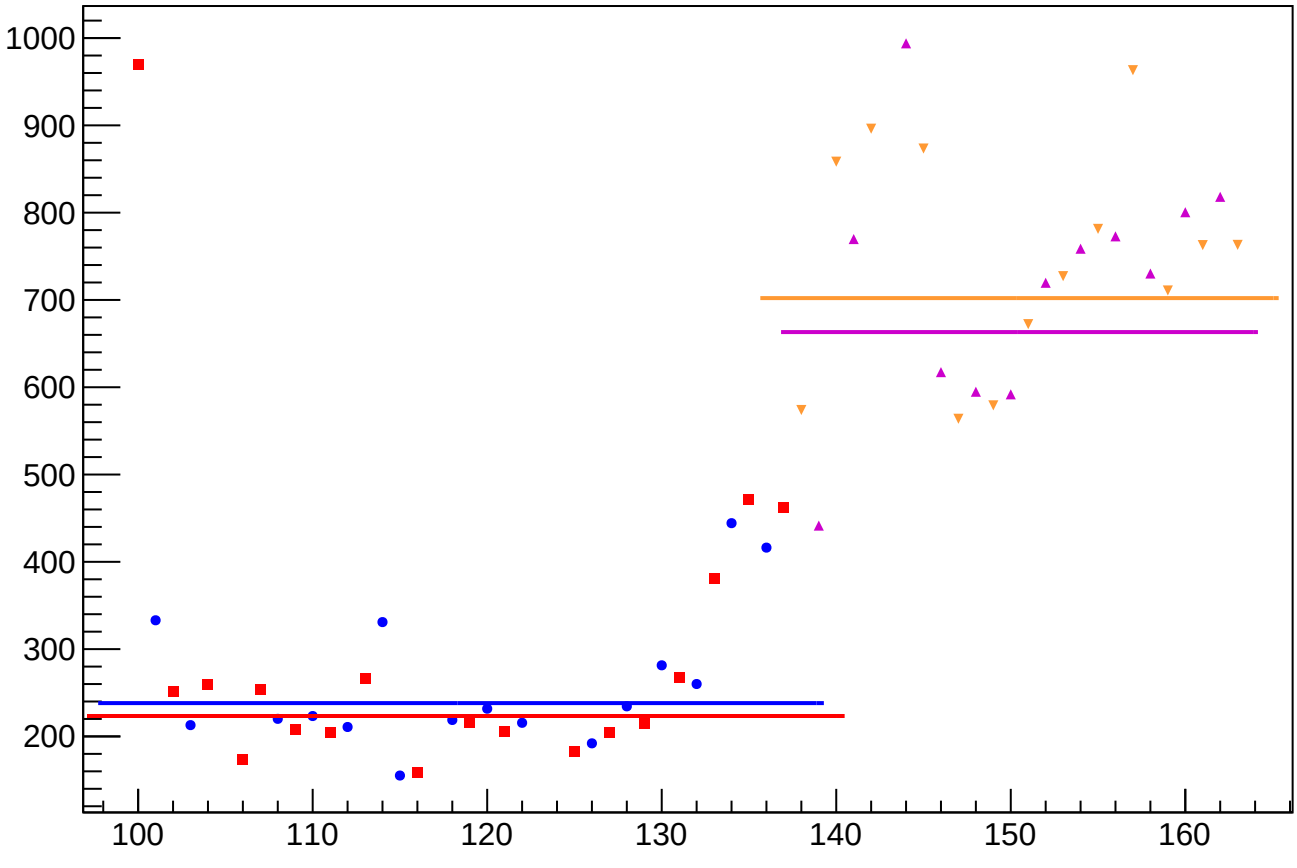
Left: -0.111+/-0.154 χ^2/NDF: 34.7/24

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.054+/-0.086 χ^2/NDF:27.0/27

Out: 0.064+/-0.083 χ^2/NDF:46.9/30

All: 0.007+/-0.060 χ^2/NDF: 74.8/58



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 702.115+/-0.158 χ^2/NDF:563565.6/12

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 663.199+/-0.150 χ^2/NDF:865077.8/11

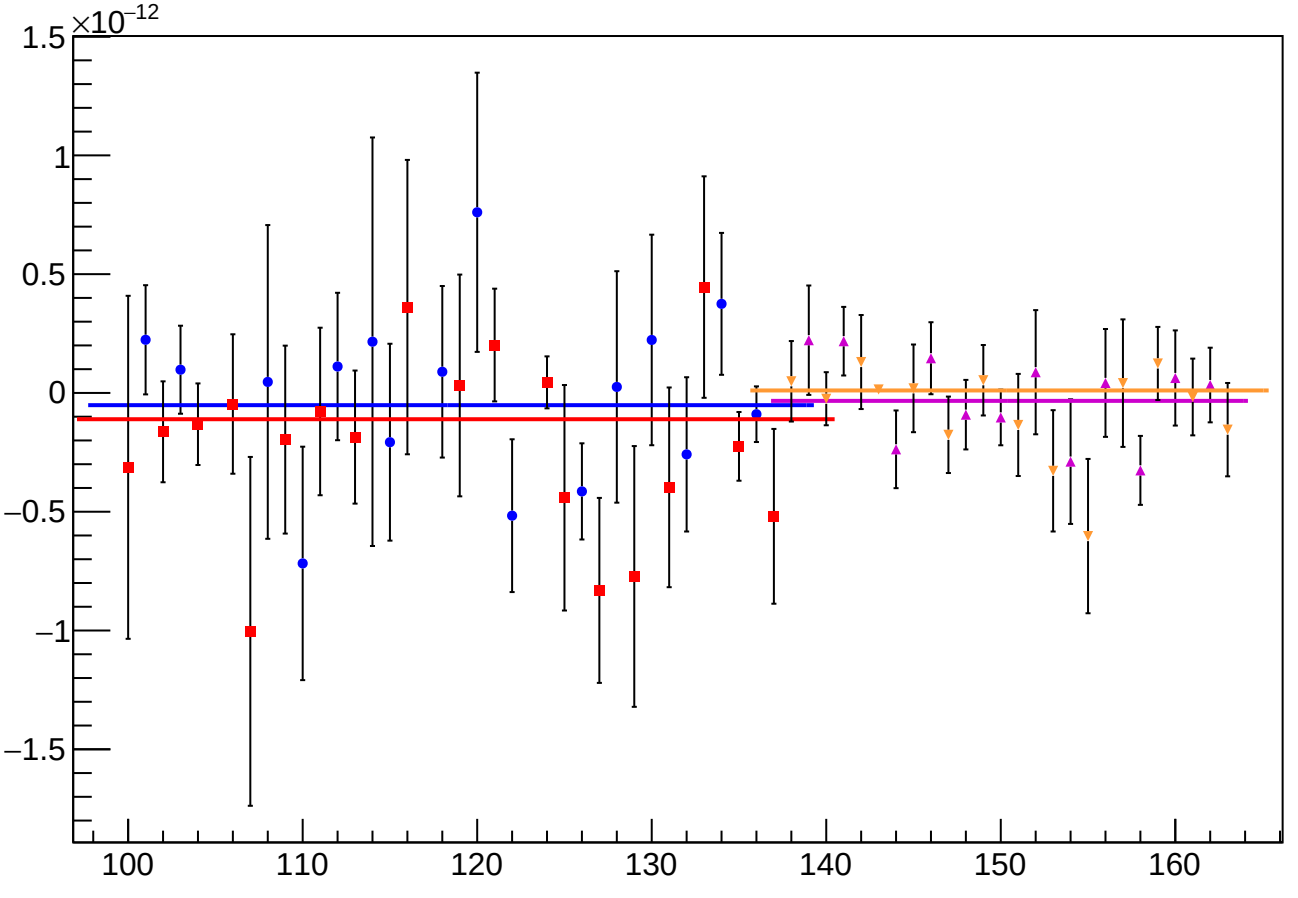
Left: 681.745+/-0.109 χ^2/NDF: 1460519.0/24

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 307.315+/-0.061 χ^2/NDF:8353246.6/27

Out: 290.477+/-0.059 χ^2/NDF:9349834.8/30

All: 298.663+/-0.042 χ^2/NDF: 17742628.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/11

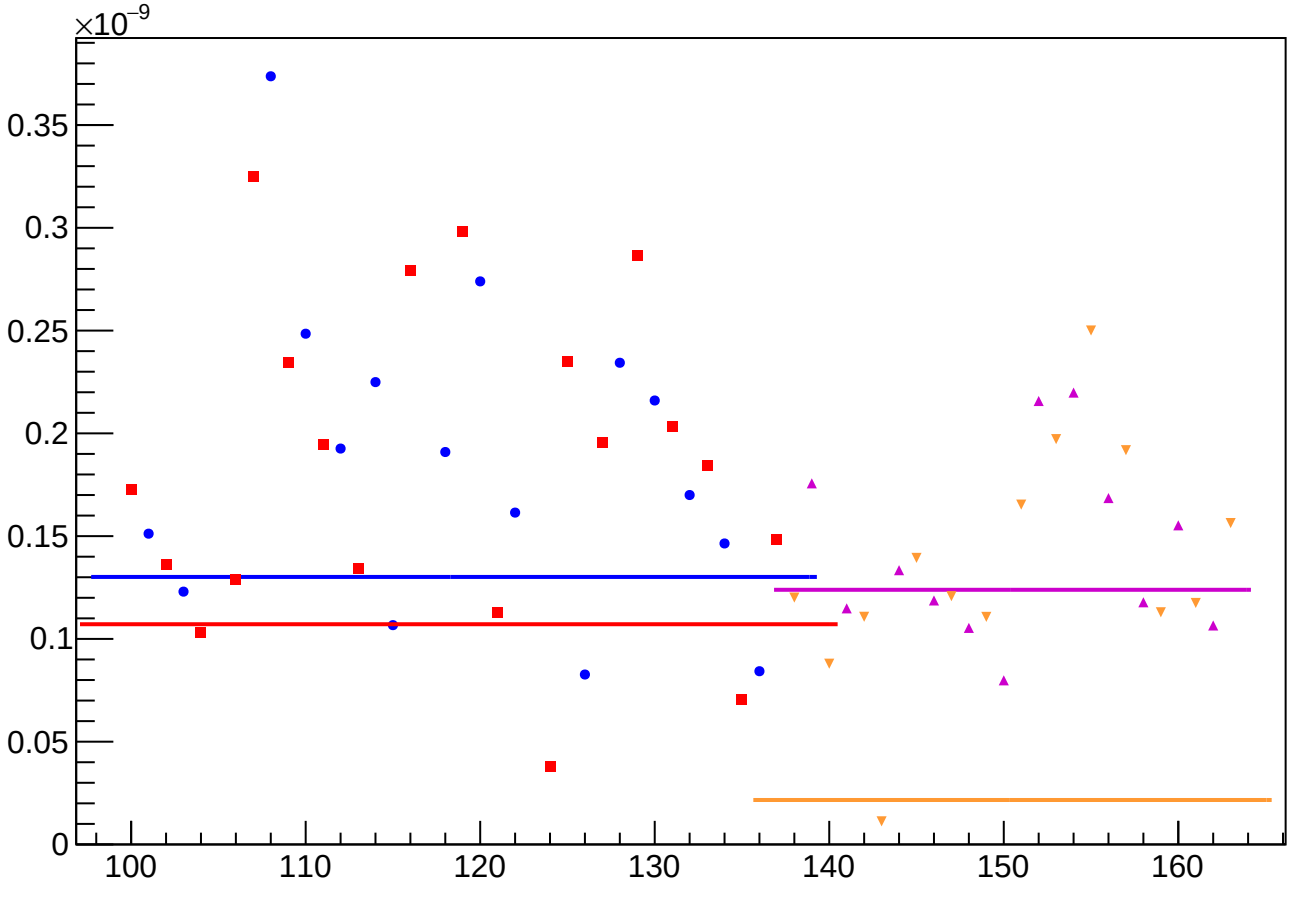
Left: 0.000+/-0.000 χ^2/NDF: 23.3/25

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:28.3/27

Out: 0.000+/-0.000 χ^2/NDF:28.4/32

All: -0.000+/-0.000 χ^2/NDF: 57.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:10972187.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1101422.8/11

Left: 0.000+/-0.000 χ^2/NDF: 20280254.7/25

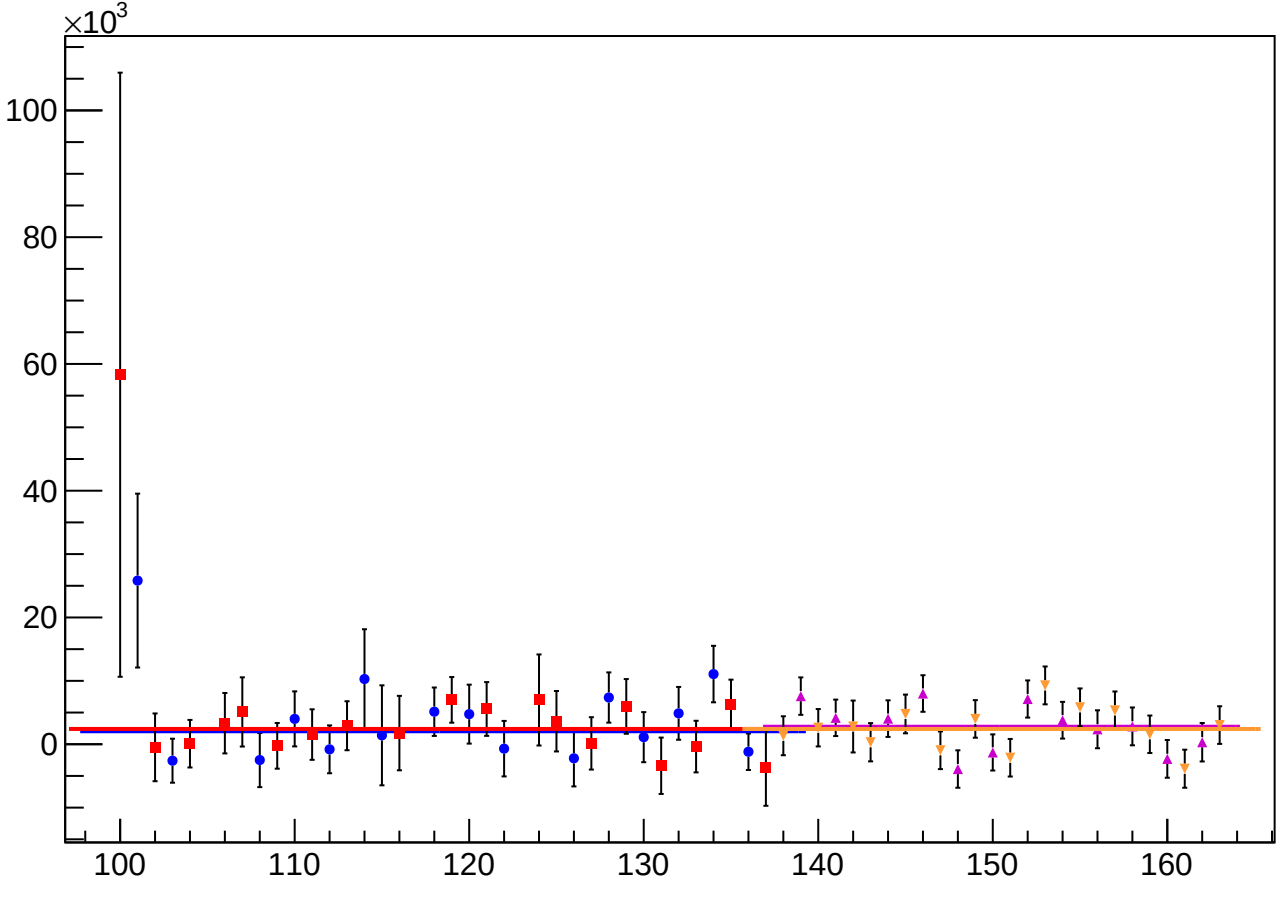
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2447056.1/27

Out: 0.000+/-0.000 χ^2/NDF:17580376.3/32

All: 0.000+/-0.000 χ^2/NDF: 31342785.0/60

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.725+/-812.839 χ^2/NDF:17.2/13

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2760.582+/-846.972 χ^2/NDF:19.5/11

Left: 2576.901+/-586.460 χ^2/NDF: 36.7/25

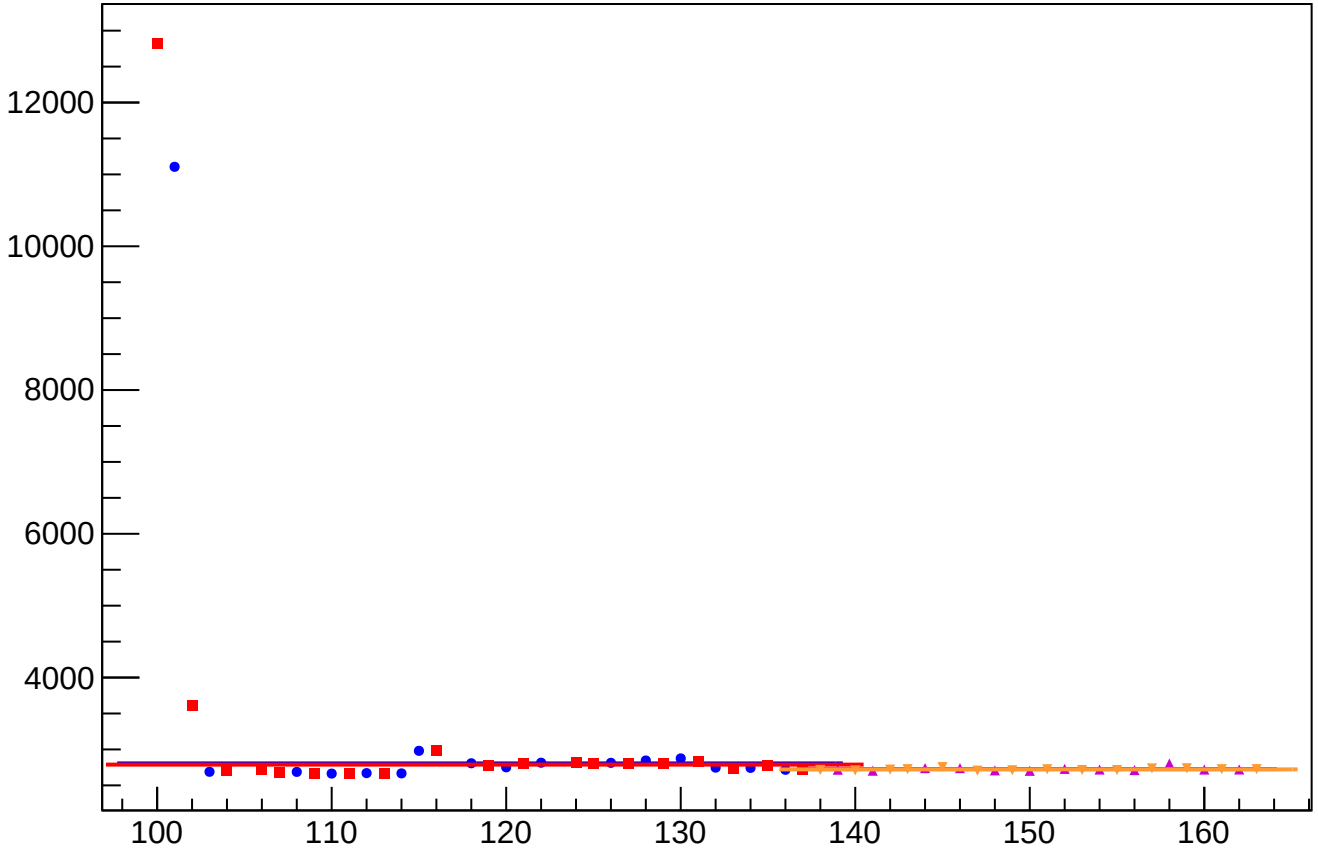
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2486.788+/-664.193 χ^2/NDF:37.5/27

Out: 2409.301+/-639.374 χ^2/NDF:27.9/32

All: 2446.570+/-460.630 χ^2/NDF: 65.5/60

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2726.550+/-0.599 χ^2/NDF:1837.4/11

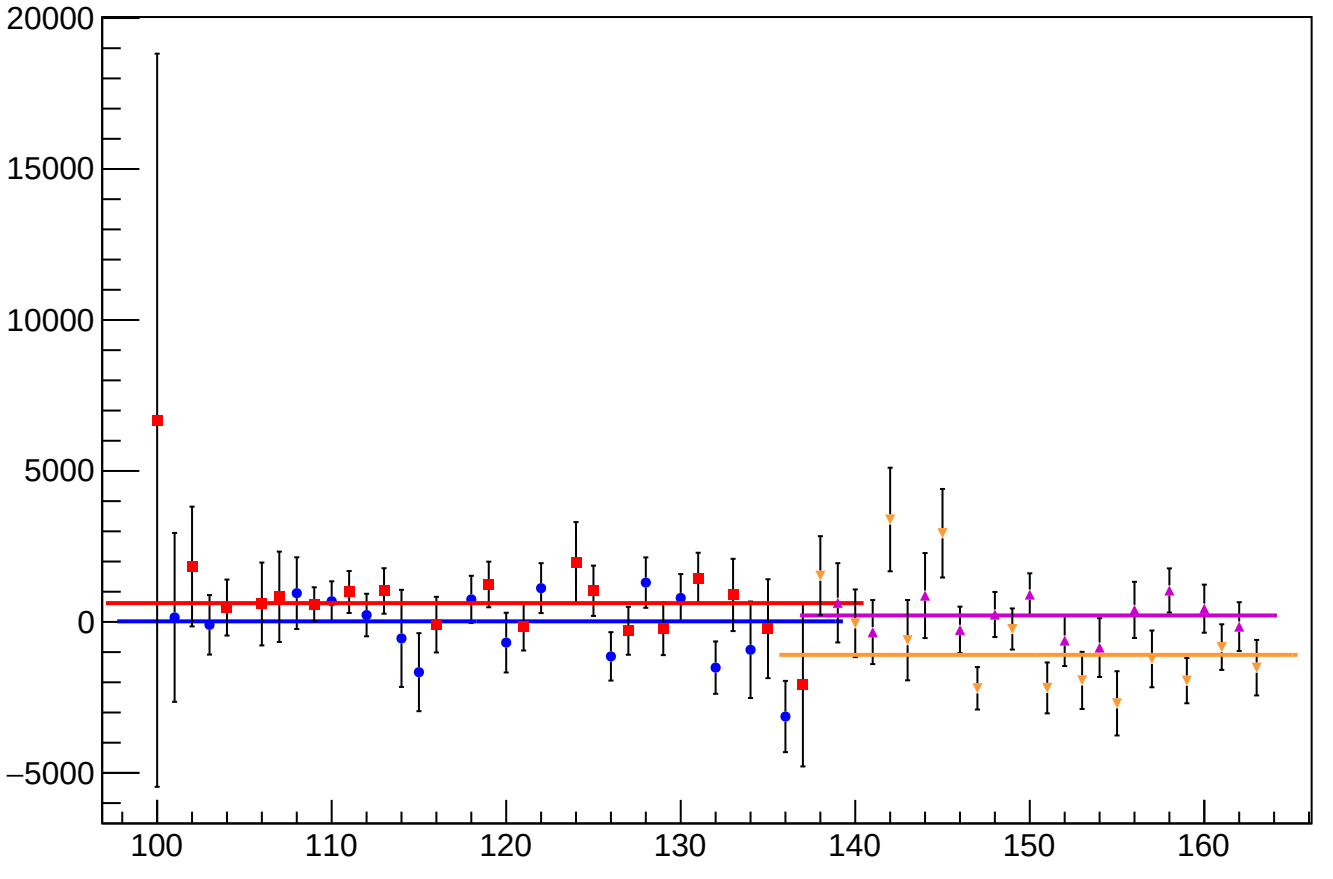
Left: 2724.308+/-0.415 χ^2/NDF: 2382.2/25

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.928+/-0.470 χ^2/NDF:754759.9/27

Out: 2747.627+/-0.452 χ^2/NDF:152632.0/32

All: 2752.100+/-0.326 χ^2/NDF: 907595.5/60



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -1090.137+/-248.516 χ^2/NDF:29.9/13

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 214.197+/-249.395 χ^2/NDF:5.7/11

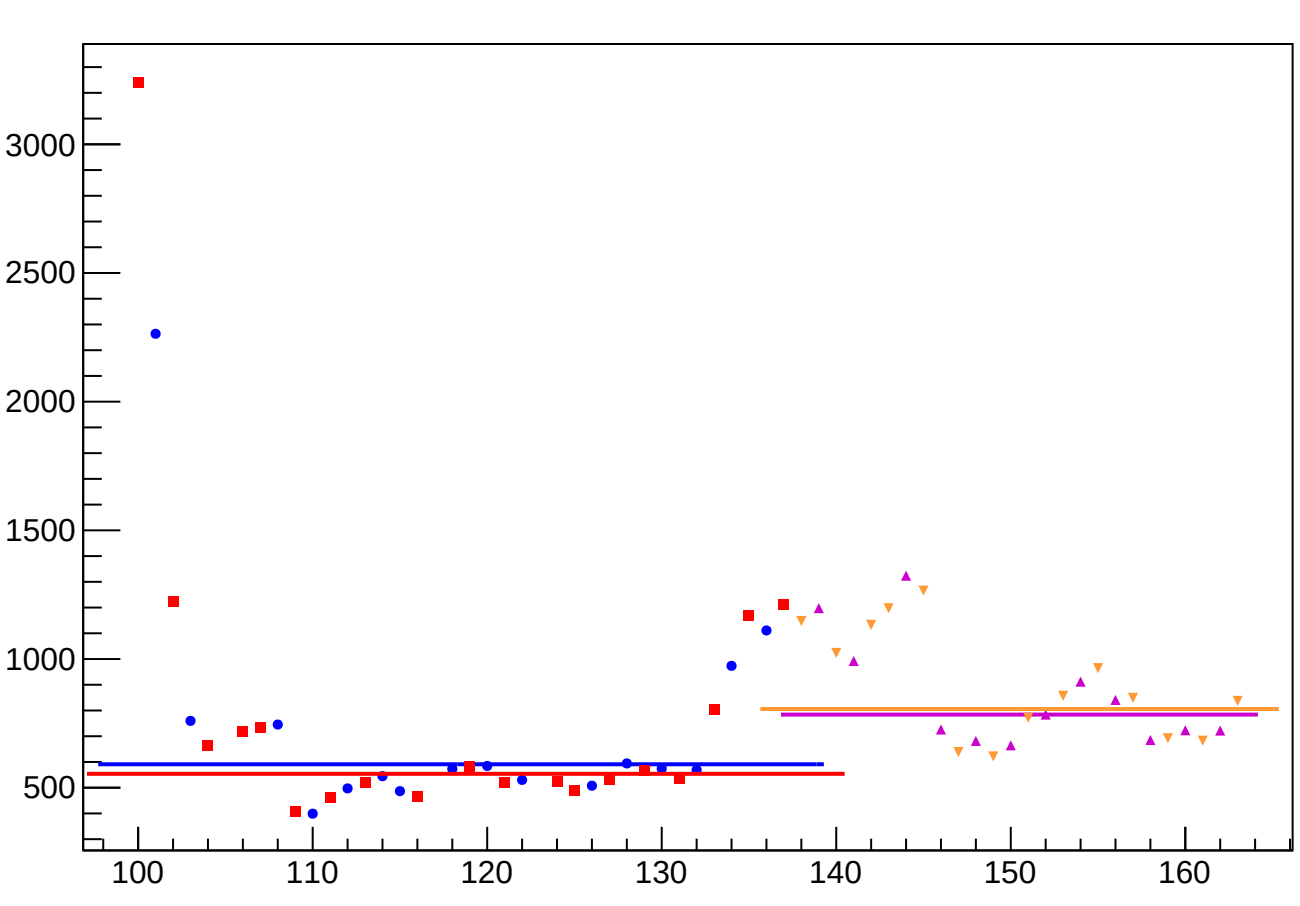
Left: -440.273+/-176.037 χ^2/NDF: 49.3/25

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 110.163+/-170.445 χ^2/NDF:28.8/27

Out: -113.972+/-163.005 χ^2/NDF:66.2/32

All: -6.903+/-117.804 χ^2/NDF: 95.9/60



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 805.875+/-0.176 χ^2/NDF:1073713.7/13

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 784.115+/-0.176 χ^2/NDF:778384.5/11

Left: 795.033+/-0.124 χ^2/NDF: 1859737.3/25

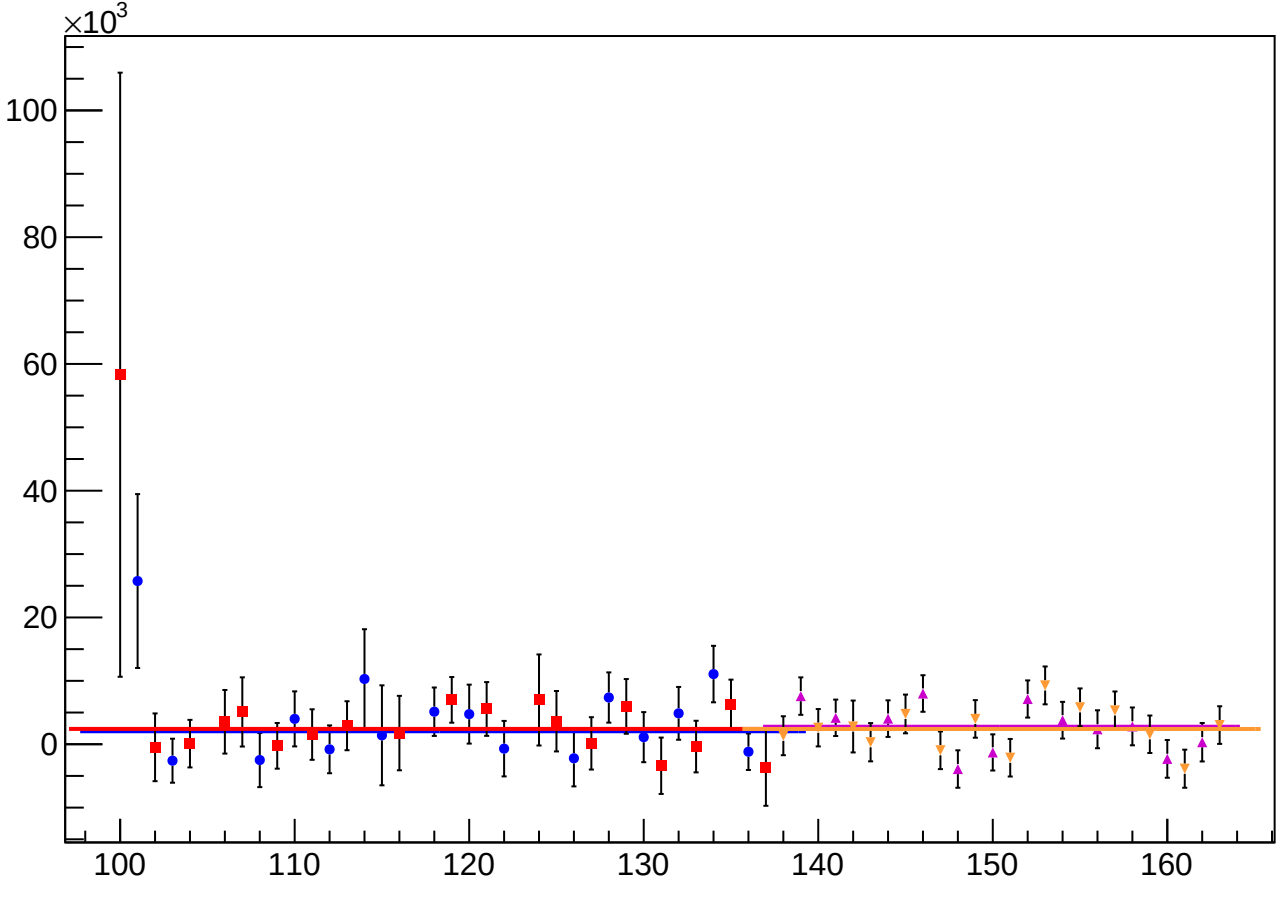
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 681.223+/-0.121 χ^2/NDF:2984845.3/27

Out: 662.352+/-0.115 χ^2/NDF:3361362.2/32

All: 671.367+/-0.083 χ^2/NDF: 6359011.9/60

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2760.695+/-846.972 χ^2/NDF:19.5/11

Left: 2576.982+/-586.460 χ^2/NDF: 36.7/25

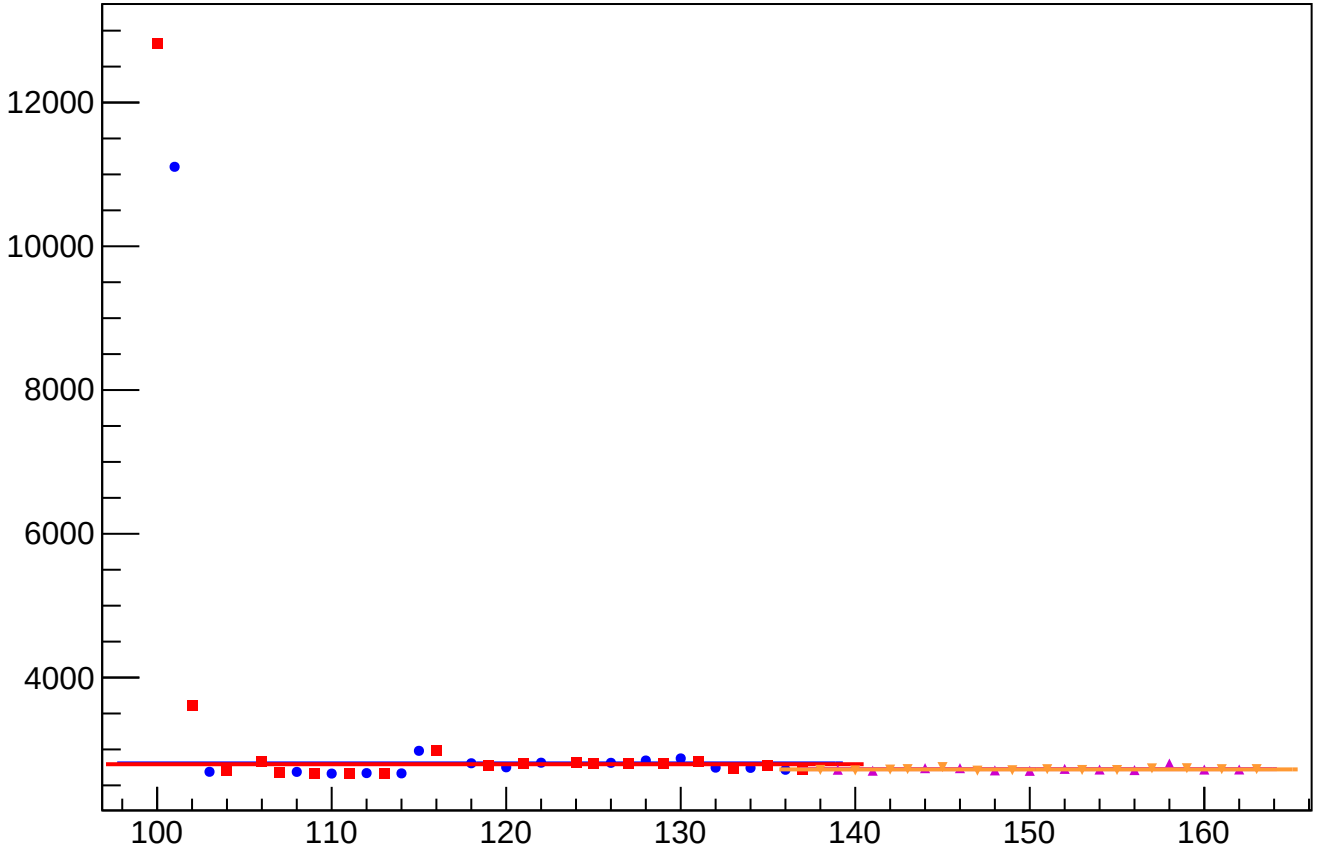
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2486.547+/-664.193 χ^2/NDF:37.5/27

Out: 2411.630+/-639.934 χ^2/NDF:28.0/32

All: 2447.695+/-460.839 χ^2/NDF: 65.5/60

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.550+/-0.599 χ^2/NDF:1837.4/11

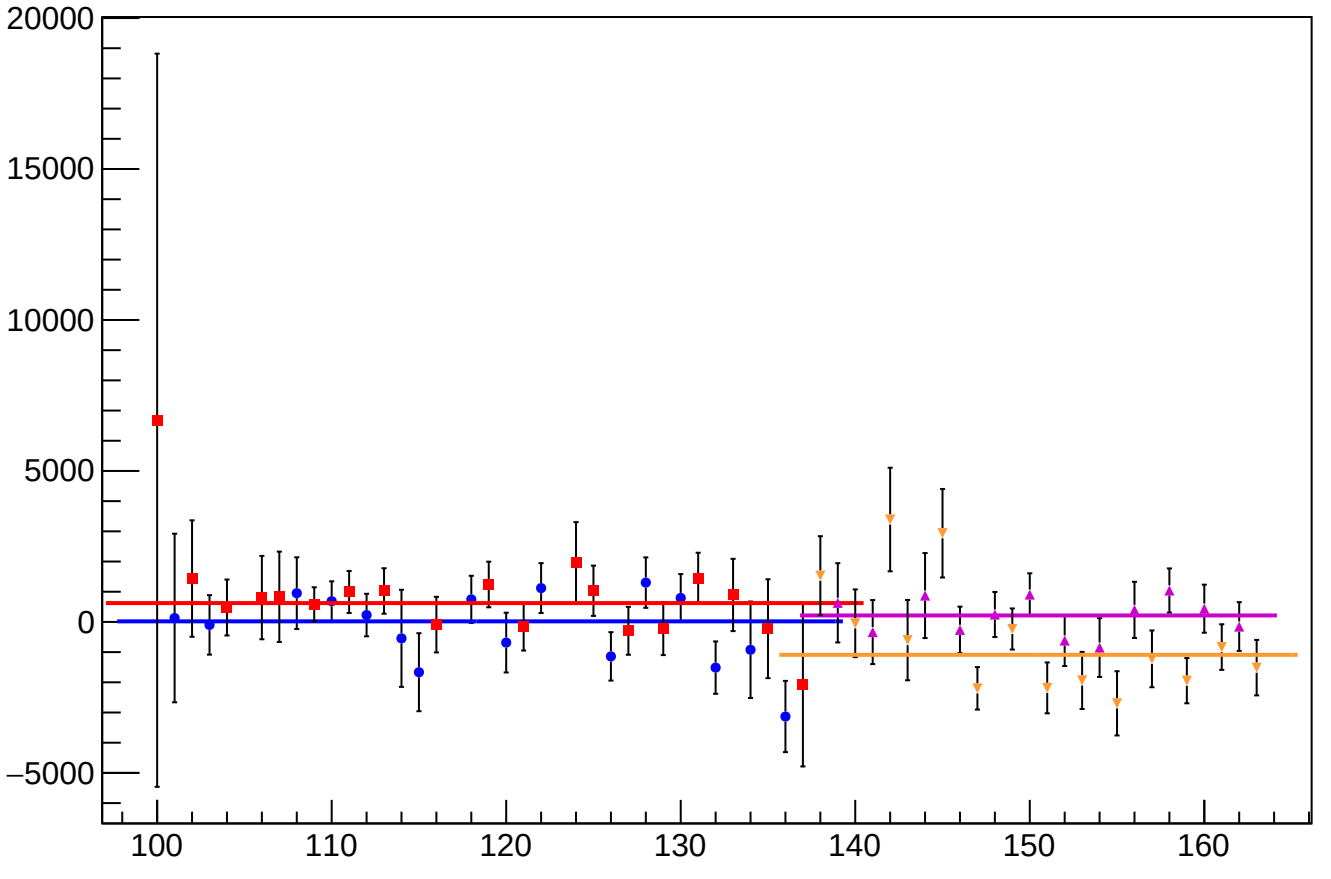
Left: 2724.308+/-0.415 χ^2/NDF: 2382.2/25

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.928+/-0.470 χ^2/NDF:754759.0/27

Out: 2749.583+/-0.453 χ^2/NDF:153214.0/32

All: 2753.119+/-0.326 χ^2/NDF: 908099.9/60



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 214.343+/-249.394 χ^2/NDF:5.7/11

Left: -440.136+/-176.037 χ^2/NDF: 49.3/25

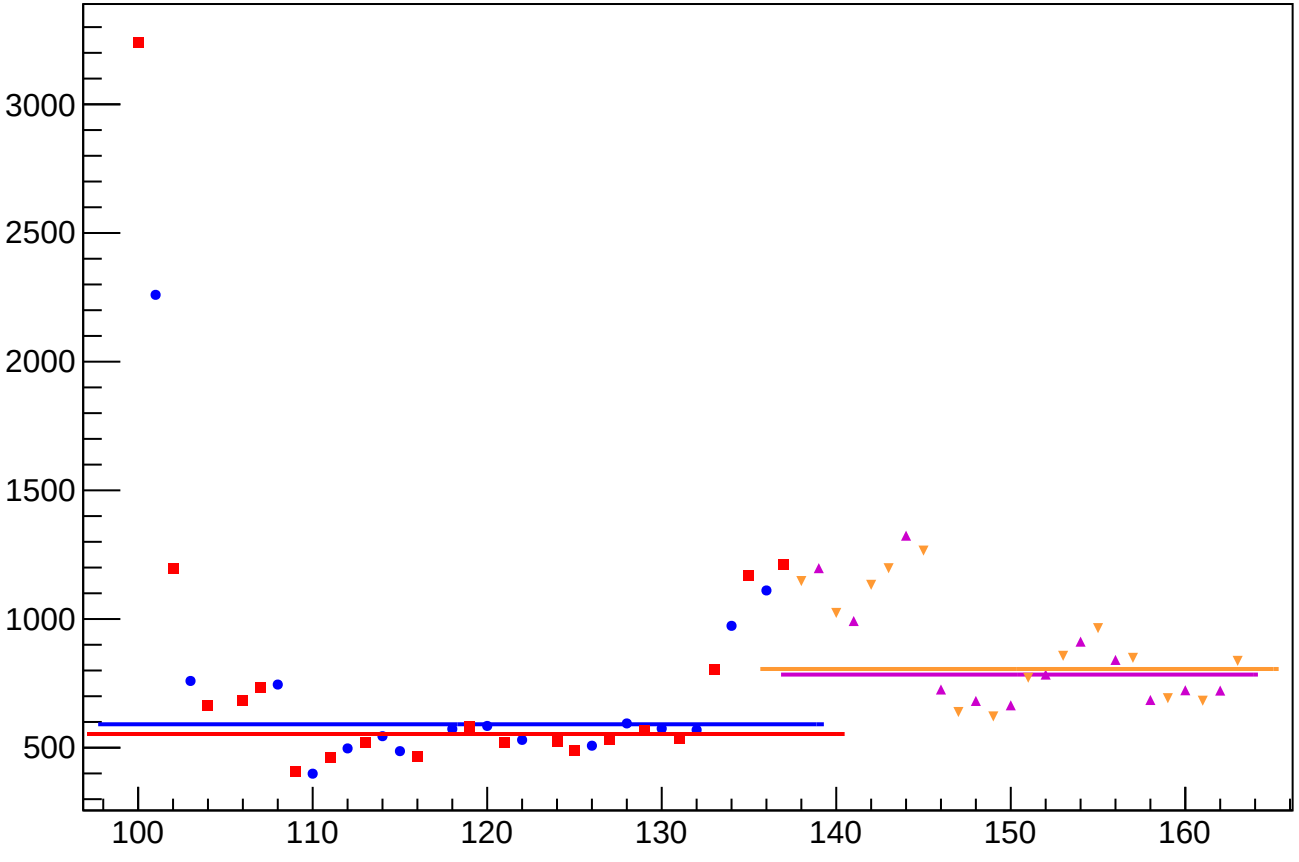
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 110.205+/-170.440 χ^2/NDF:28.8/27

Out: -113.107+/-162.985 χ^2/NDF:66.1/32

All: -6.442+/-117.795 χ^2/NDF: 95.8/60

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 784.112+/-0.176 χ^2/NDF:778373.6/11

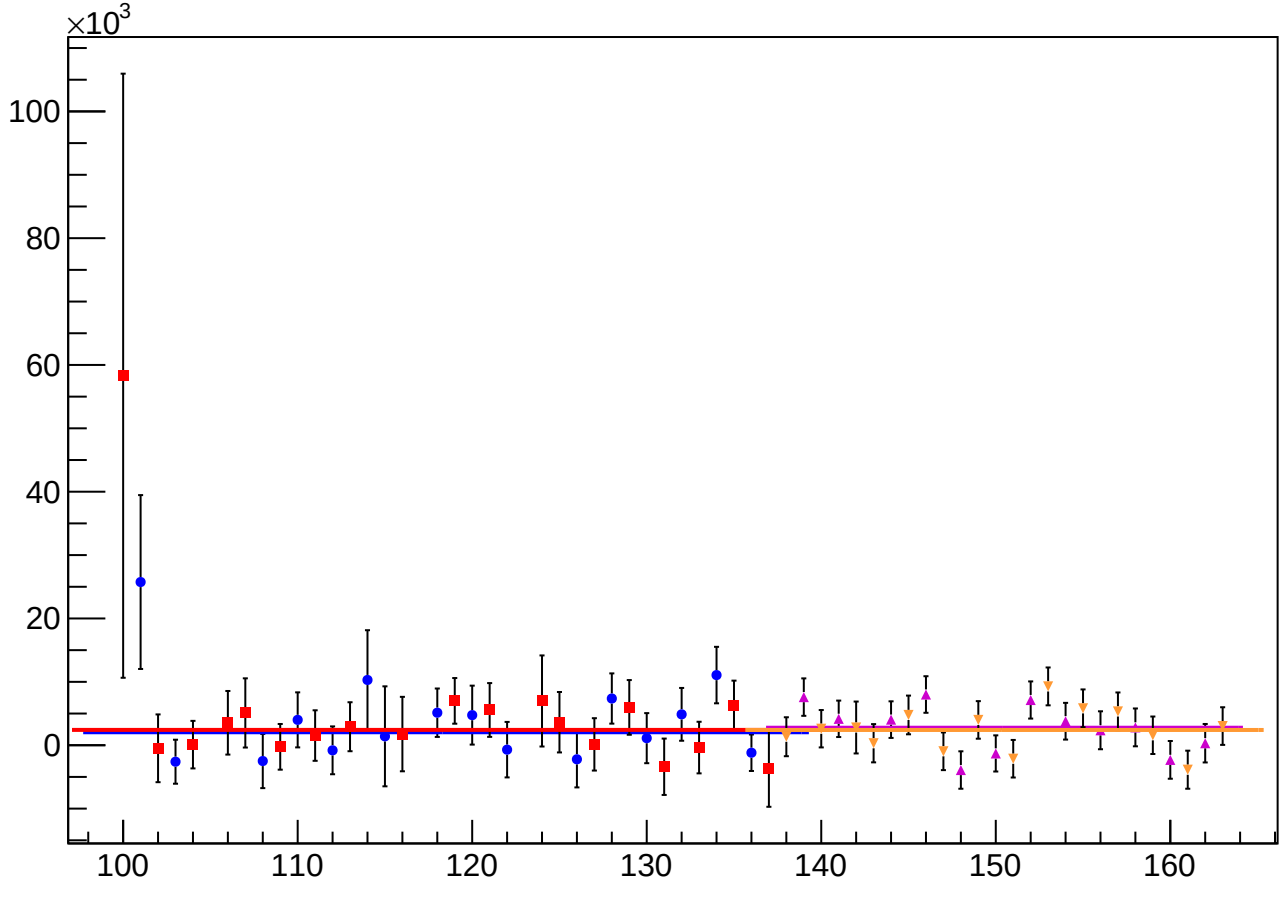
Left: 795.030+/-0.124 χ^2/NDF: 1859741.1/25

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 681.216+/-0.121 χ^2/NDF:2983824.8/27

Out: 661.898+/-0.115 χ^2/NDF:3353277.9/32

All: 671.125+/-0.083 χ^2/NDF: 6350523.2/60



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2407.777+/-812.839 χ^2/NDF:17.2/13

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2760.695+/-846.972 χ^2/NDF:19.5/11

Left: 2576.982+/-586.460 χ^2/NDF: 36.7/25

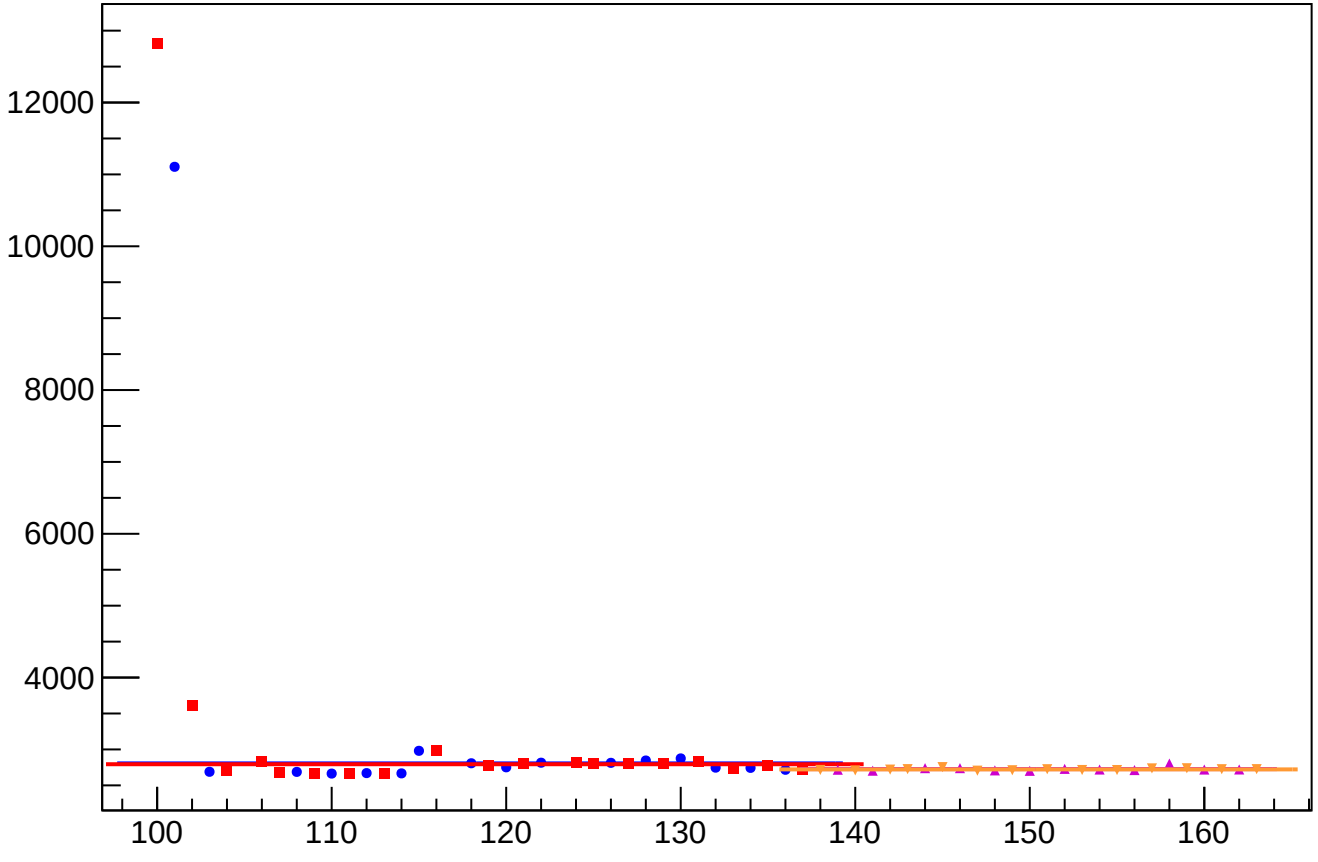
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2486.547+/-664.193 χ^2/NDF:37.5/27

Out: 2411.630+/-639.934 χ^2/NDF:28.0/32

All: 2447.695+/-460.839 χ^2/NDF: 65.5/60

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2722.242+/-0.575 χ^2/NDF:517.9/13

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2726.550+/-0.599 χ^2/NDF:1837.4/11

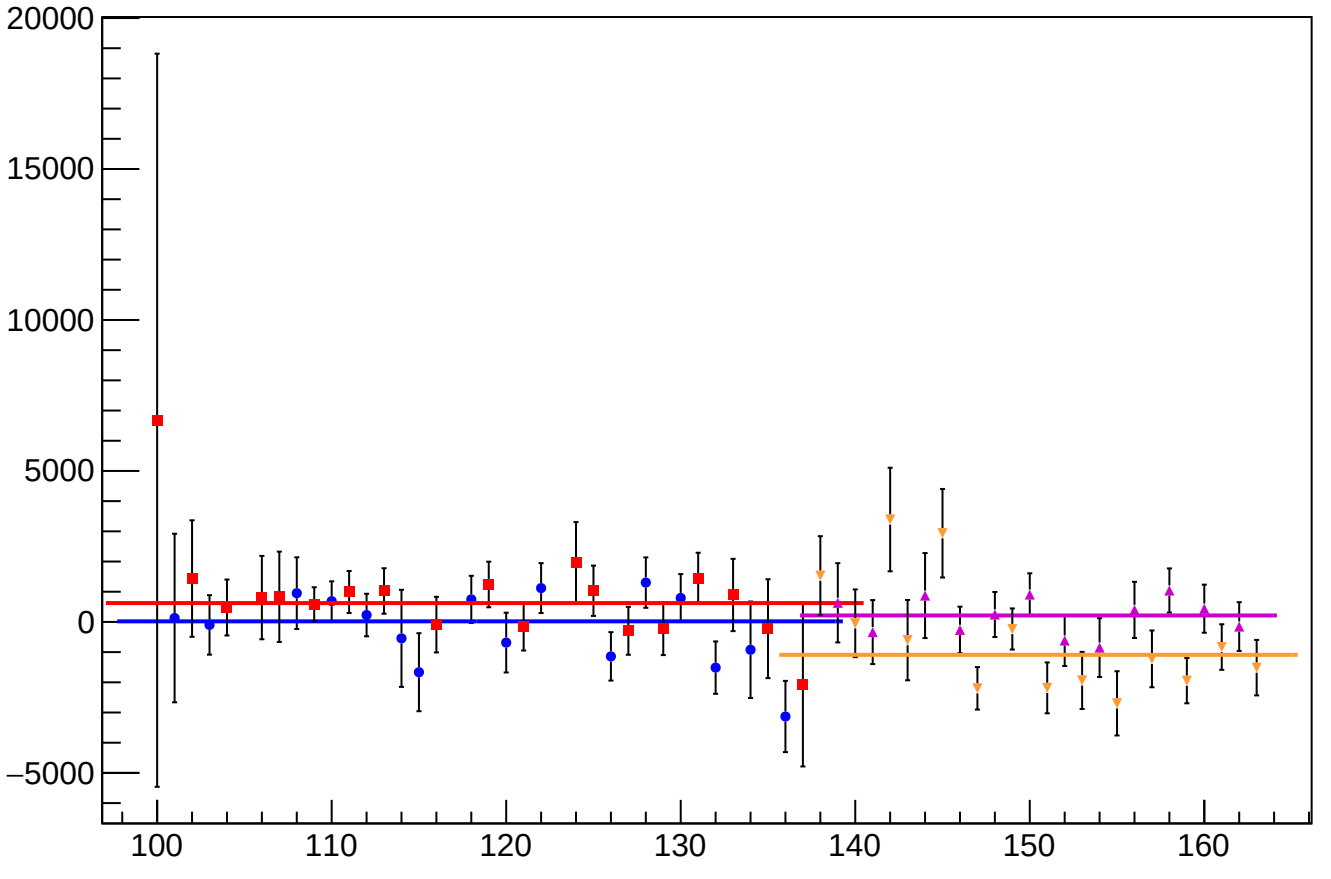
Left: 2724.308+/-0.415 χ^2/NDF: 2382.2/25

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.928+/-0.470 χ^2/NDF:754759.0/27

Out: 2749.583+/-0.453 χ^2/NDF:153214.0/32

All: 2753.119+/-0.326 χ^2/NDF: 908099.9/60



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -1090.013+/-248.515 χ^2/NDF:29.9/13

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 214.343+/-249.394 χ^2/NDF:5.7/11

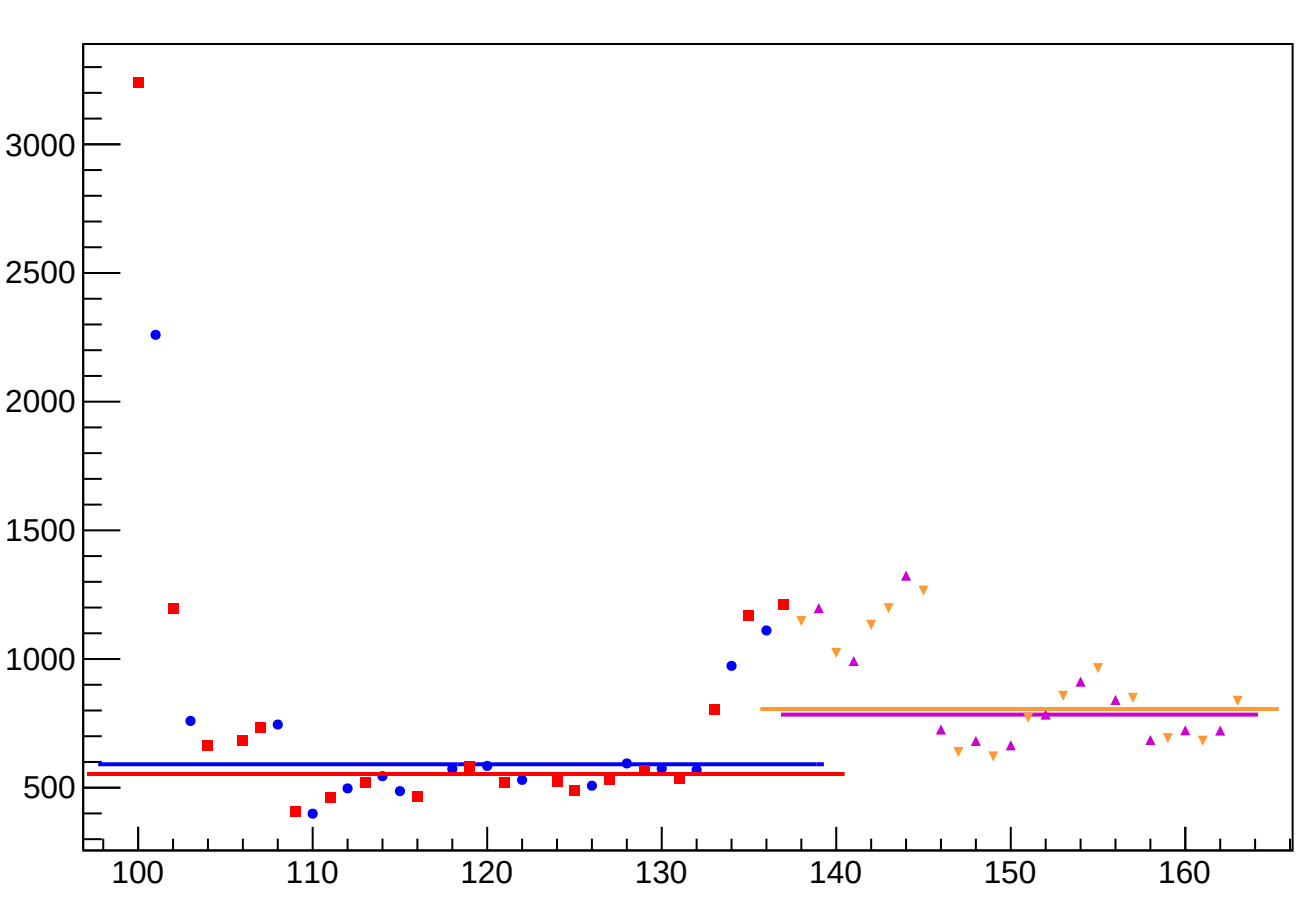
Left: -440.136+/-176.037 χ^2/NDF: 49.3/25

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 110.205+/-170.440 χ^2/NDF:28.8/27

Out: -113.107+/-162.985 χ^2/NDF:66.1/32

All: -6.442+/-117.795 χ^2/NDF: 95.8/60



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 805.872+/-0.176 χ^2/NDF:1073727.6/13

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 784.112+/-0.176 χ^2/NDF:778373.6/11

Left: 795.030+/-0.124 χ^2/NDF: 1859741.1/25

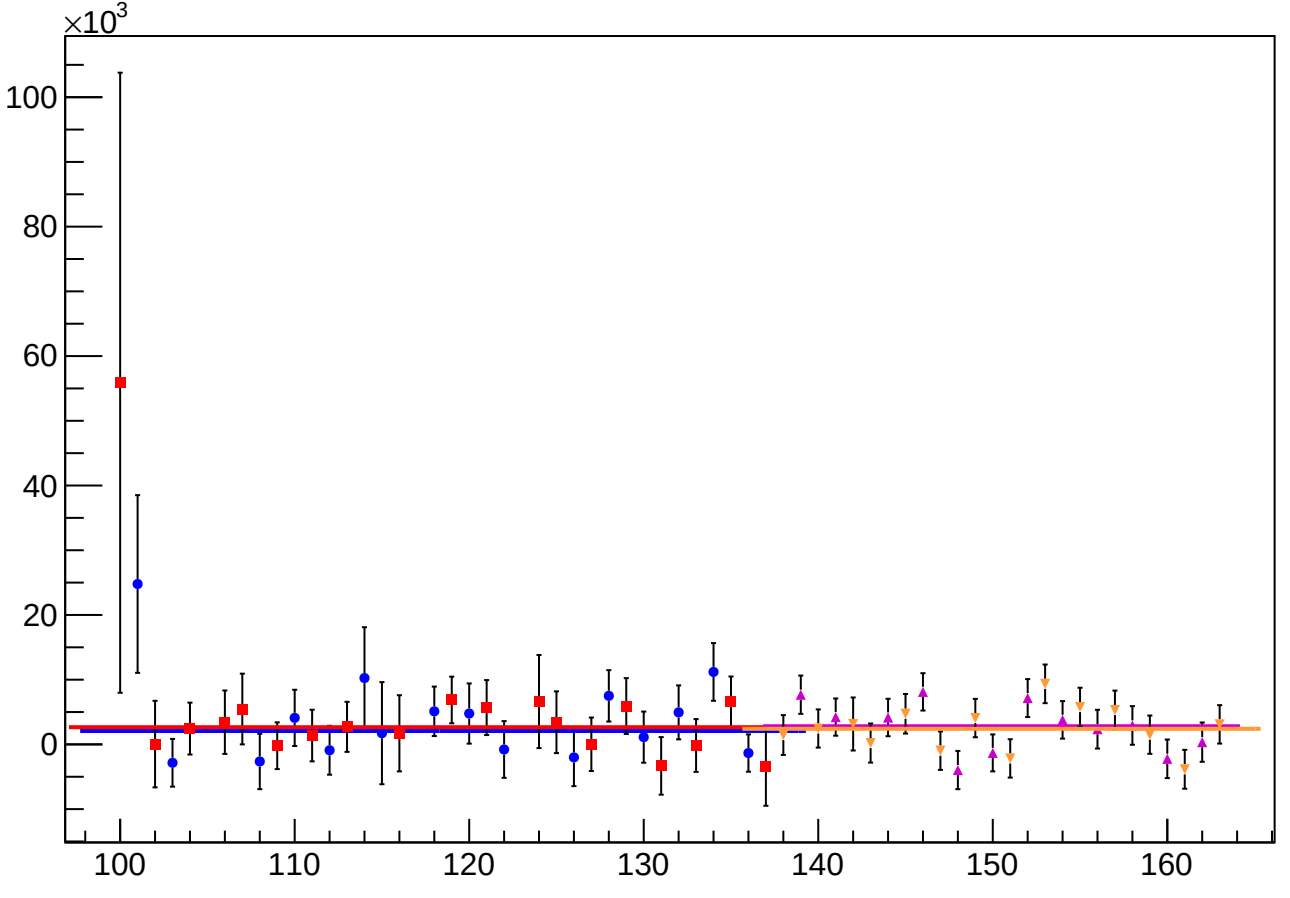
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 681.216+/-0.121 χ^2/NDF:2983824.8/27

Out: 661.898+/-0.115 χ^2/NDF:3353277.9/32

All: 671.125+/-0.083 χ^2/NDF: 6350523.2/60

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2410.520+/-813.422 χ^2/NDF:17.3/13

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2803.626+/-847.486 χ^2/NDF:19.7/11

Left: 2599.014+/-586.849 χ^2/NDF: 37.2/25

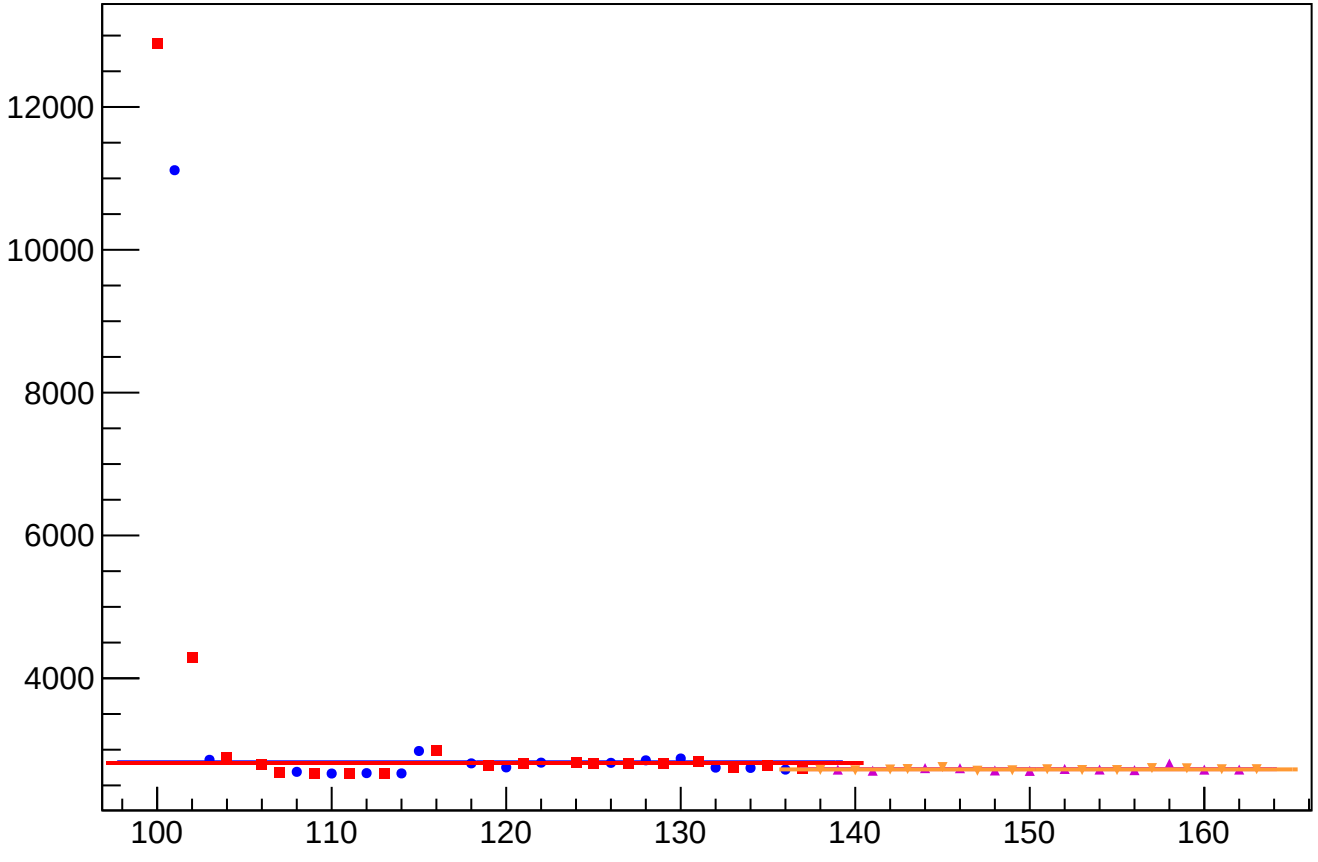
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2524.959+/-666.055 χ^2/NDF:37.9/27

Out: 2503.091+/-643.008 χ^2/NDF:27.3/32

All: 2513.640+/-462.608 χ^2/NDF: 65.2/60

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2728.192+/-0.599 χ^2/NDF:1853.0/11

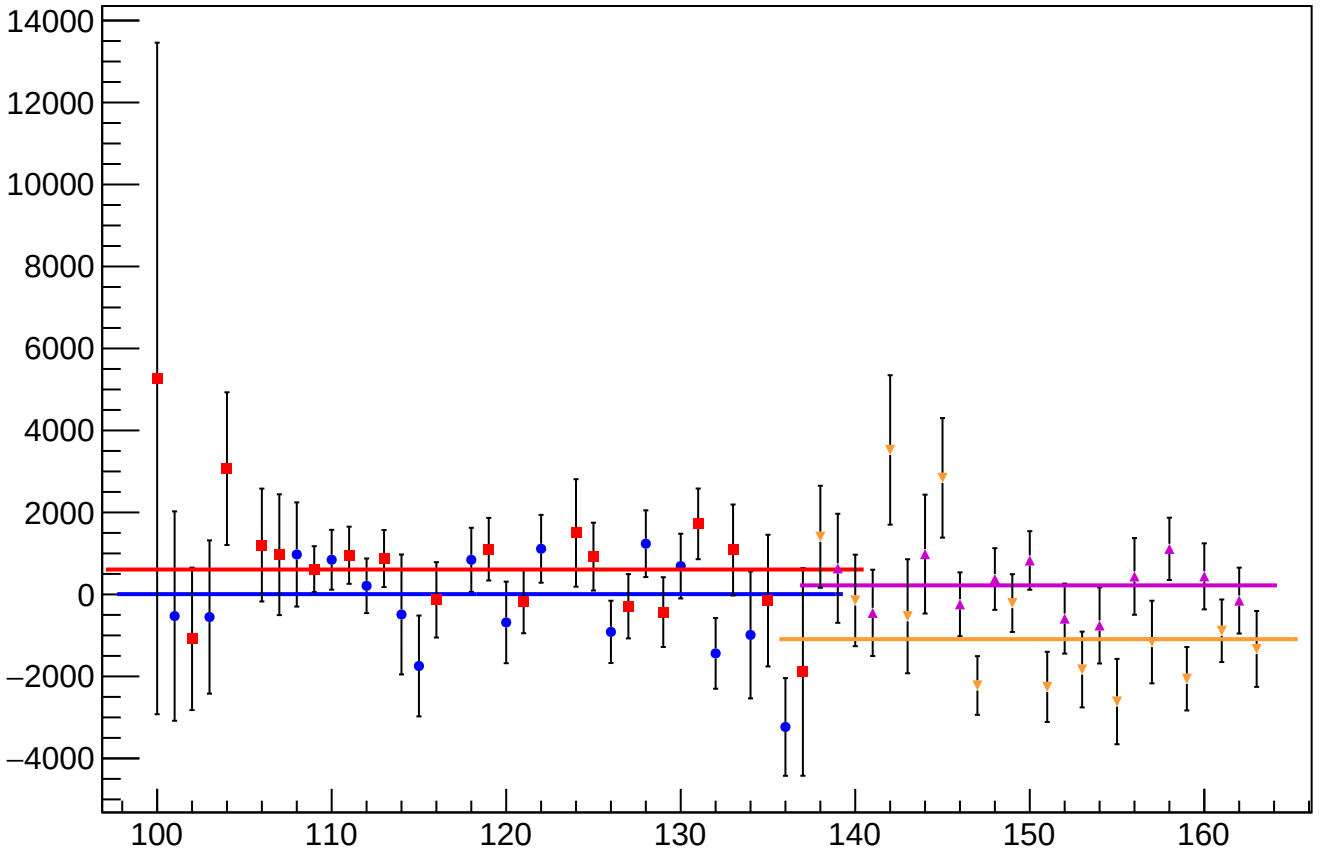
Left: 2726.107+/-0.415 χ^2/NDF: 2431.2/25

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

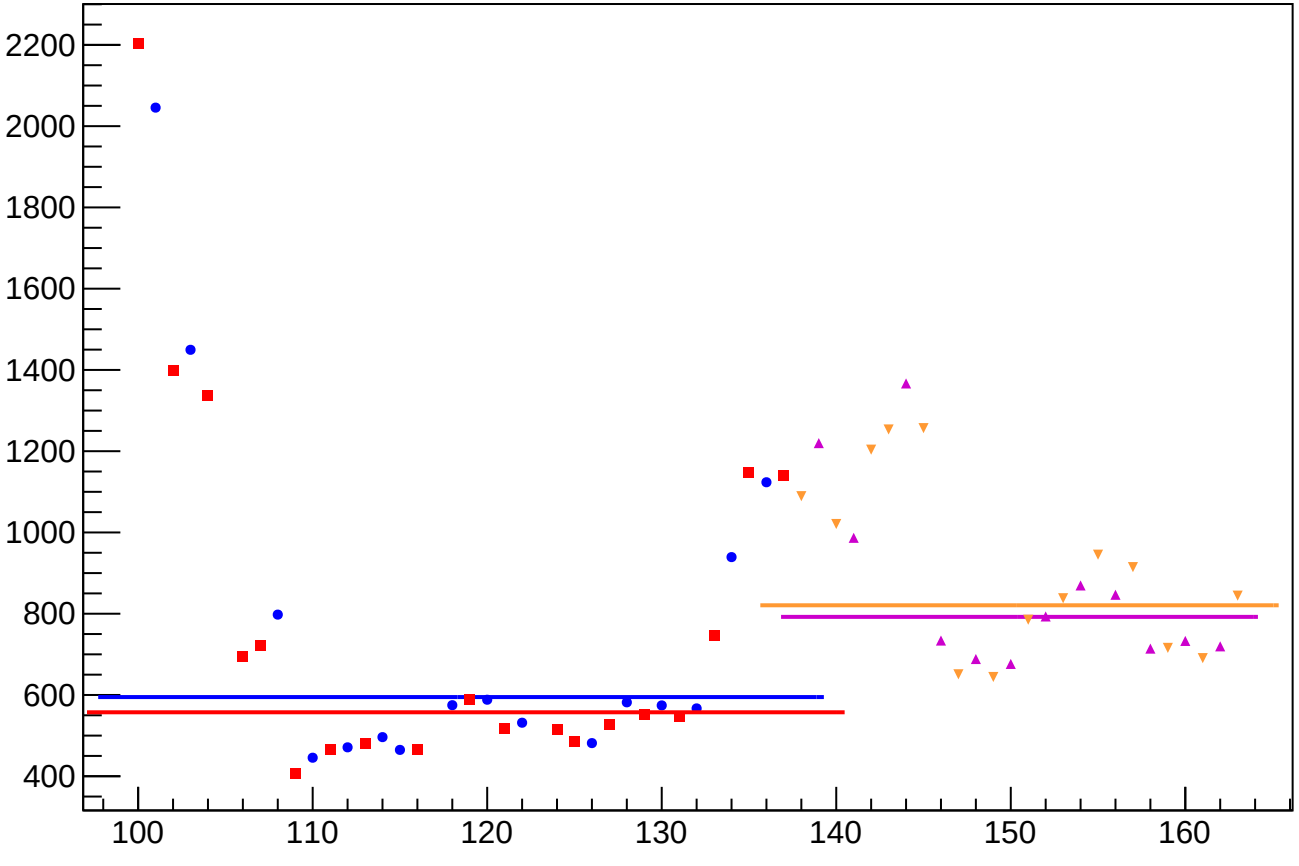
In: 2764.612+/-0.471 χ^2/NDF:755429.4/27

Out: 2757.809+/-0.455 χ^2/NDF:210177.1/32

All: 2761.091+/-0.327 χ^2/NDF: 965714.4/60


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 7.048+/-237.455 χ²/NDF: 22.8/15
Left Out: -1091.476+/-252.407 χ²/NDF:29.0/13
Right Out: 607.647+/-217.093 χ²/NDF: 12.2/18
Left In: 220.769+/-251.469 χ²/NDF:5.6/11
Left: -432.912+/-178.146 χ²/NDF: 48.2/25
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 107.788+/-172.648 χ²/NDF:28.8/27
Out: -114.835+/-164.589 χ²/NDF:67.2/32
All: -8.840+/-119.129 χ²/NDF: 96.9/60

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 820.747+/-0.178 χ^2/NDF:1002237.1/13

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 792.236+/-0.178 χ^2/NDF:759677.3/11

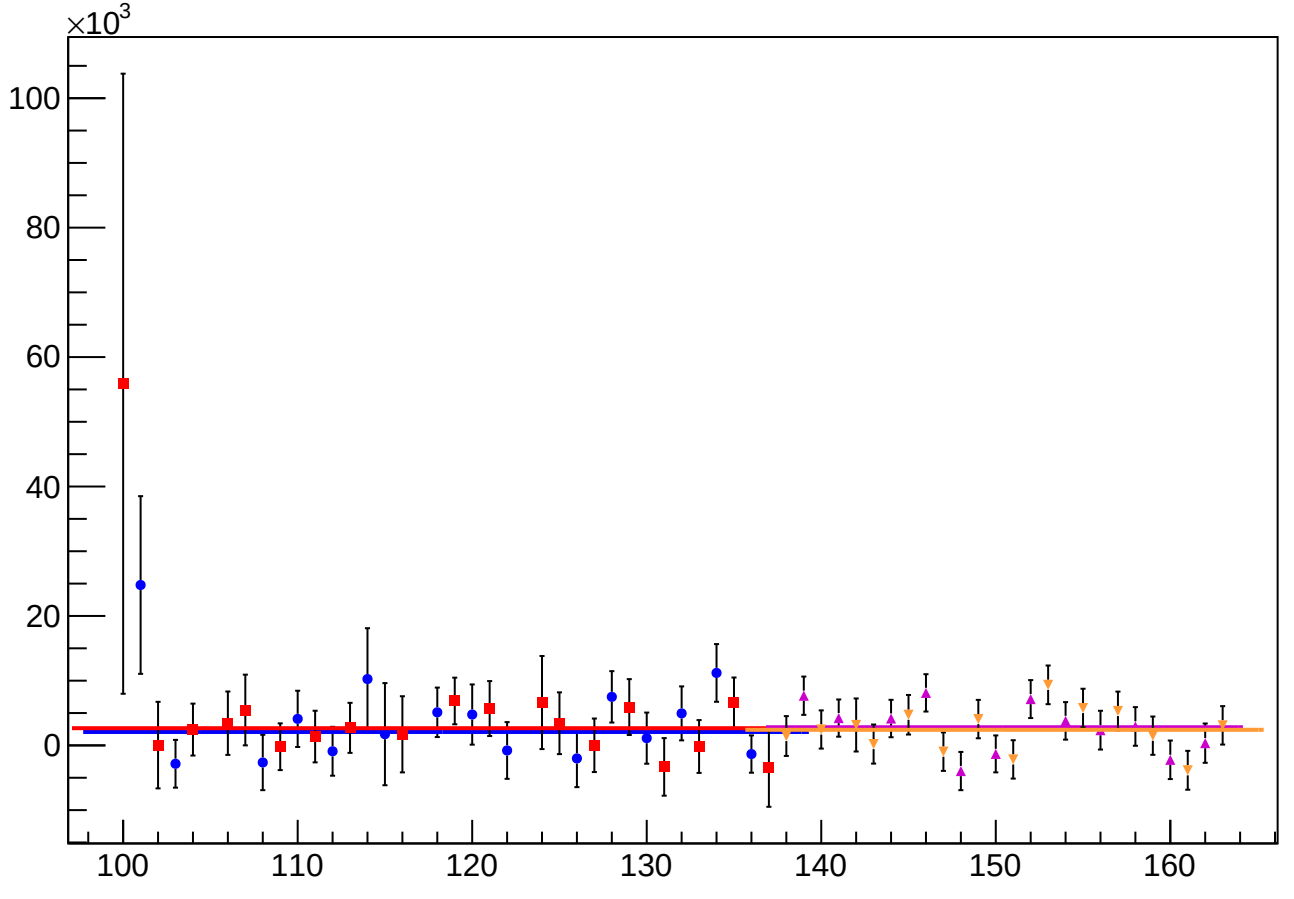
Left: 806.439+/-0.126 χ^2/NDF: 1774721.1/25

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 687.894+/-0.122 χ^2/NDF:3263691.9/27

Out: 669.376+/-0.116 χ^2/NDF:3884975.6/32

All: 678.193+/-0.084 χ^2/NDF: 7160721.9/60



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2410.521+/-813.422 χ^2/NDF:17.3/13

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2803.626+/-847.486 χ^2/NDF:19.7/11

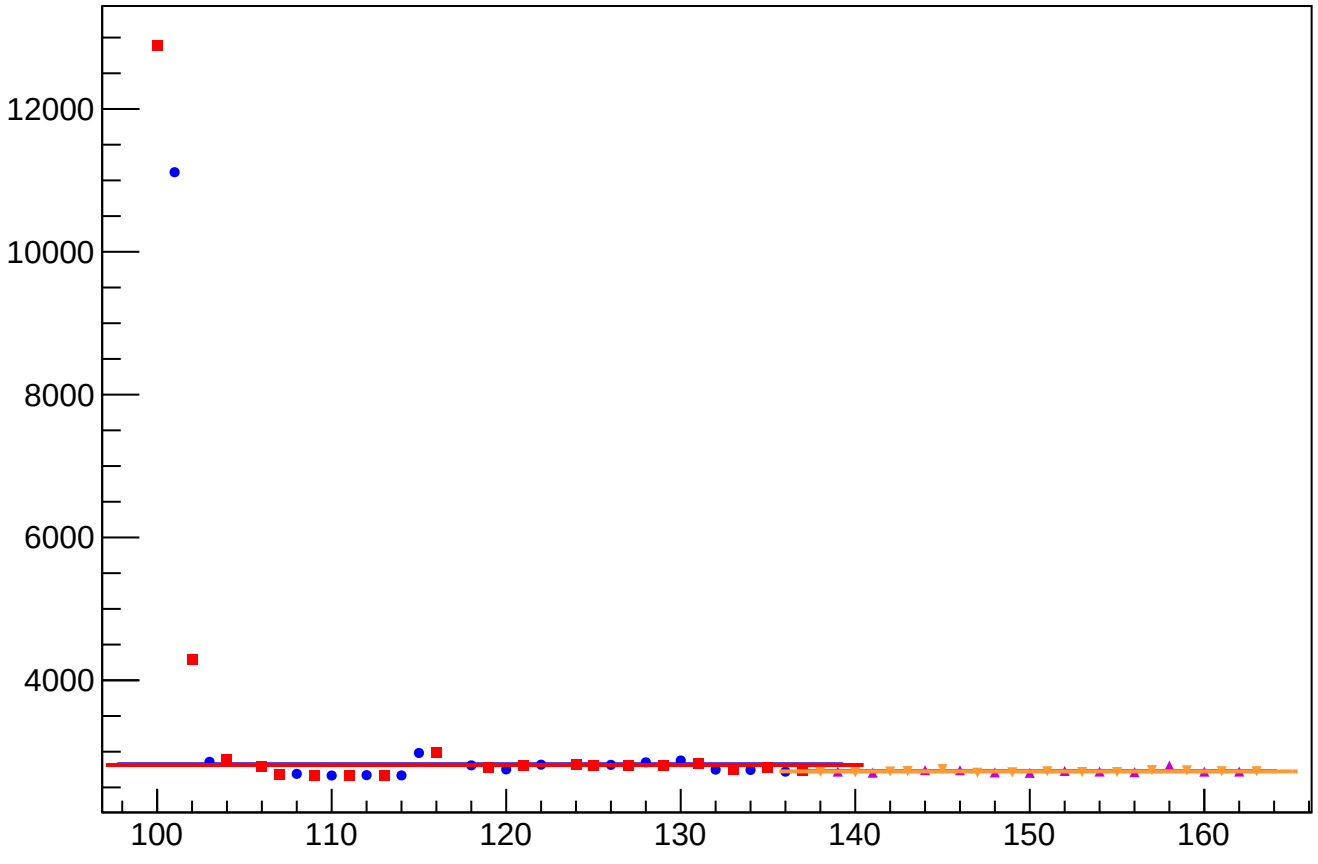
Left: 2599.015+/-586.849 χ^2/NDF: 37.2/25

Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2524.959+/-666.055 χ^2/NDF:37.9/27

Out: 2503.091+/-643.008 χ^2/NDF:27.3/32

All: 2513.640+/-462.608 χ^2/NDF: 65.2/60



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2724.185+/-0.575 χ^2/NDF:555.0/13

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2728.192+/-0.599 χ^2/NDF:1853.0/11

Left: 2726.107+/-0.415 χ^2/NDF: 2431.2/25

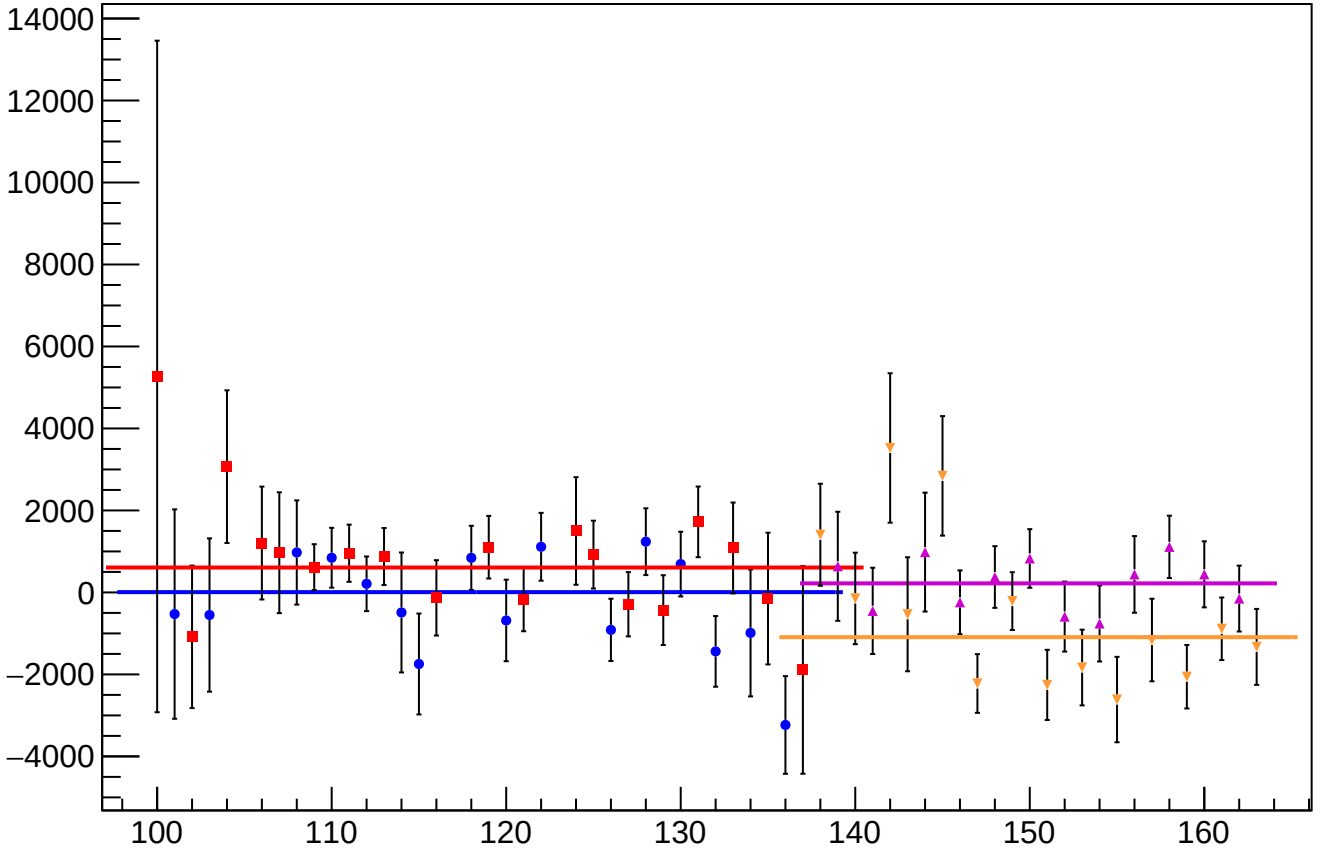
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2764.612+/-0.471 χ^2/NDF:755429.3/27

Out: 2757.809+/-0.455 χ^2/NDF:210176.8/32

All: 2761.091+/-0.327 χ^2/NDF: 965714.1/60

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -1091.476+/-252.407 χ^2/NDF:29.0/13

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 220.769+/-251.469 χ^2/NDF:5.6/11

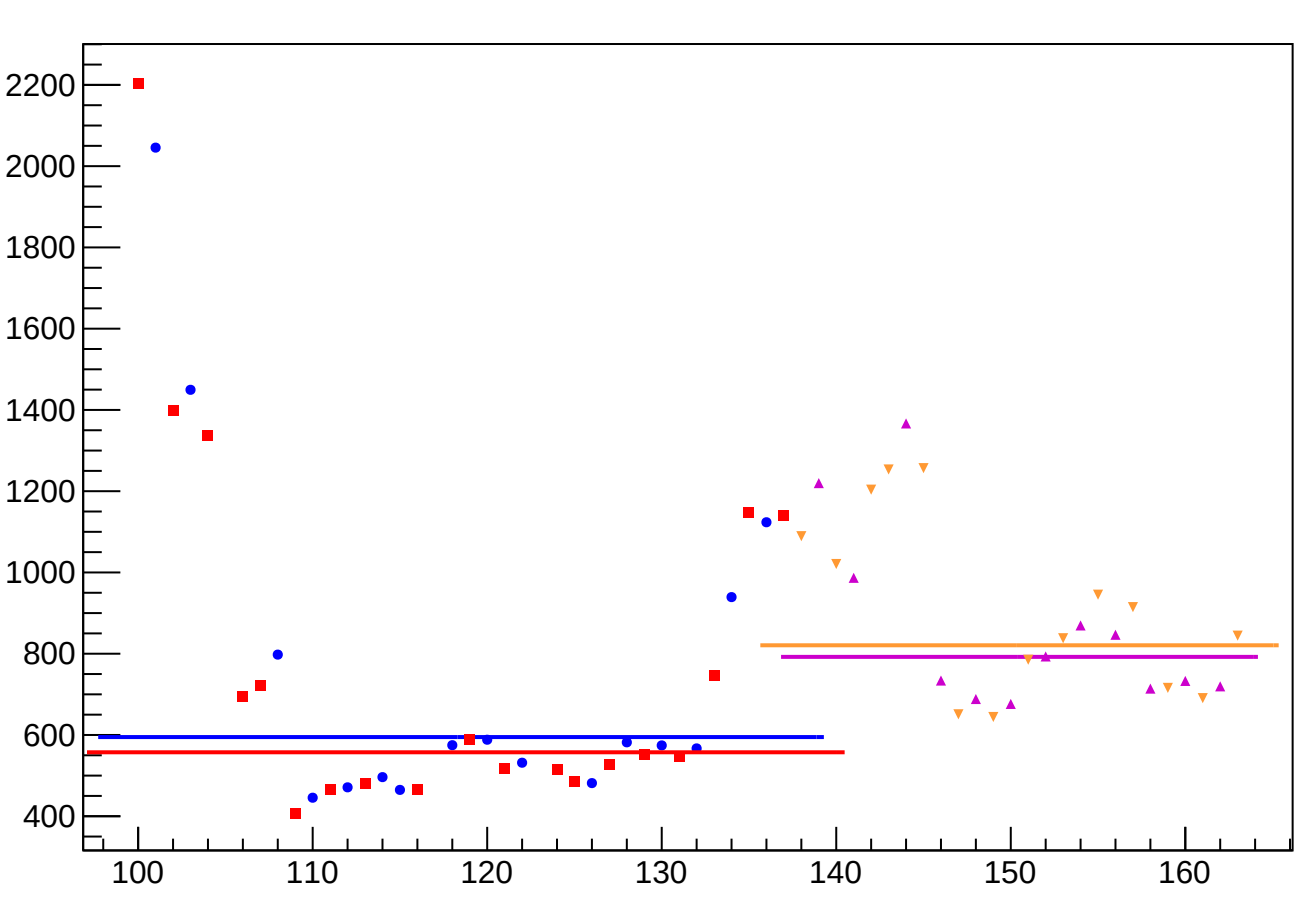
Left: -432.912+/-178.146 χ^2/NDF: 48.2/25

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 107.788+/-172.648 χ^2/NDF:28.8/27

Out: -114.835+/-164.589 χ^2/NDF:67.2/32

All: -8.840+/-119.129 χ^2/NDF: 96.9/60



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 820.747+/-0.178 χ^2/NDF:1002239.1/13

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 792.236+/-0.178 χ^2/NDF:759679.1/11

Left: 806.439+/-0.126 χ^2/NDF: 1774725.0/25

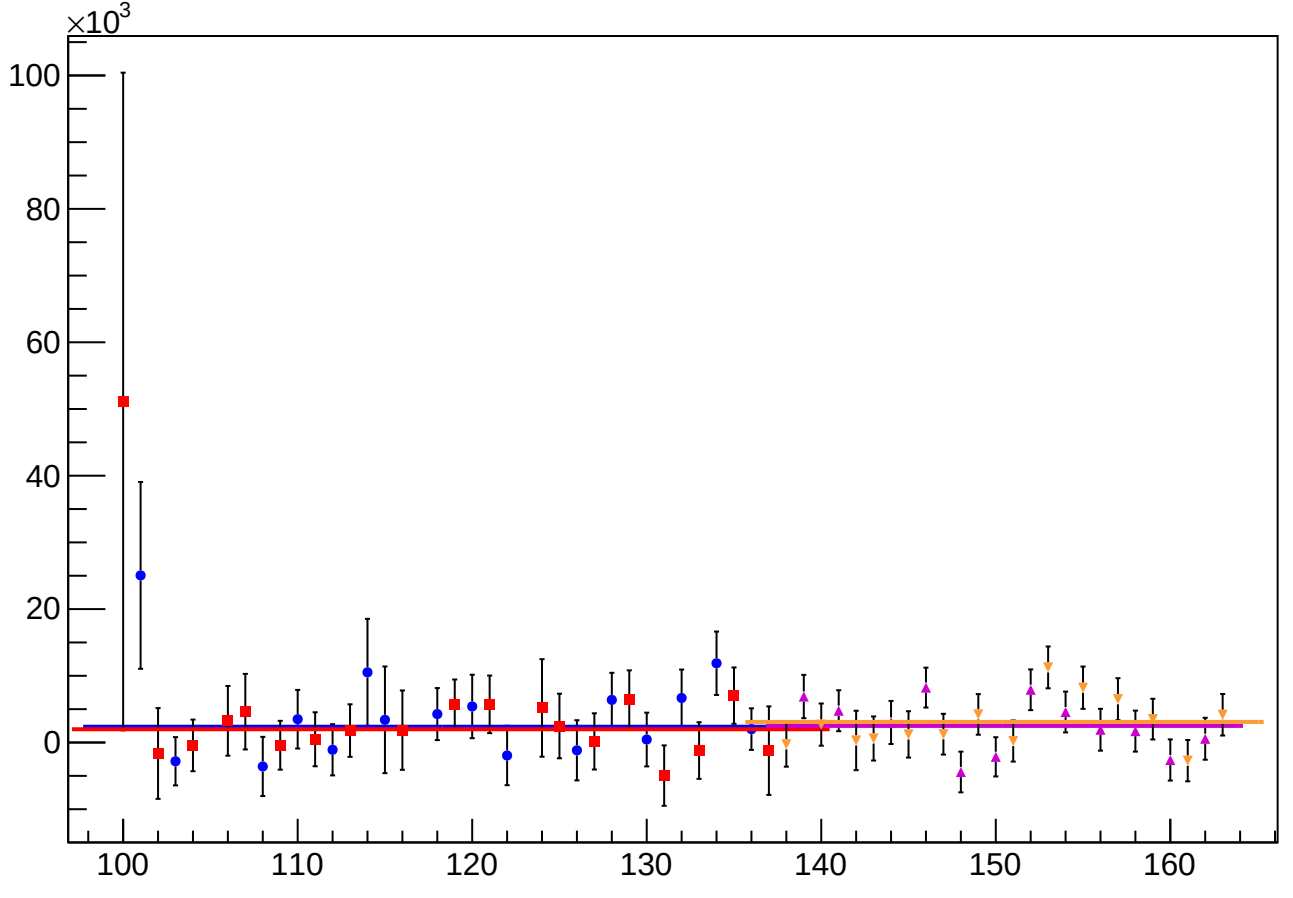
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 687.894+/-0.122 χ^2/NDF:3263683.9/27

Out: 669.376+/-0.116 χ^2/NDF:3884972.9/32

All: 678.193+/-0.084 χ^2/NDF: 7160711.4/60

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3085.212+/-860.455 χ^2/NDF:17.9/13

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2490.843+/-890.991 χ^2/NDF:20.6/11

Left: 2798.387+/-618.947 χ^2/NDF: 38.7/25

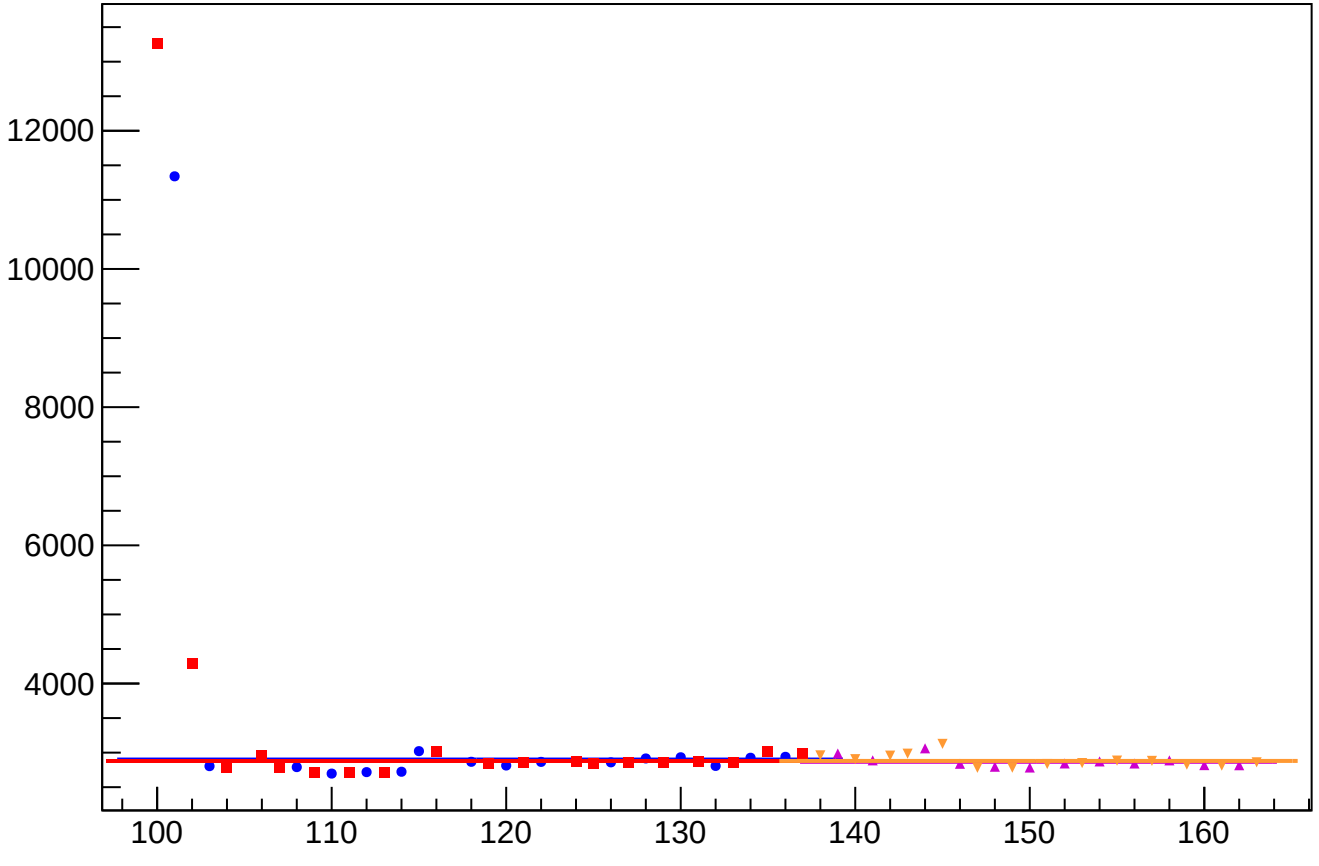
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2442.182+/-693.898 χ^2/NDF:37.4/27

Out: 2656.531+/-671.839 χ^2/NDF:28.8/32

All: 2552.817+/-482.672 χ^2/NDF: 66.3/60

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2879.943+/-0.608 χ^2/NDF:20511.6/13

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2867.118+/-0.630 χ^2/NDF:14299.8/11

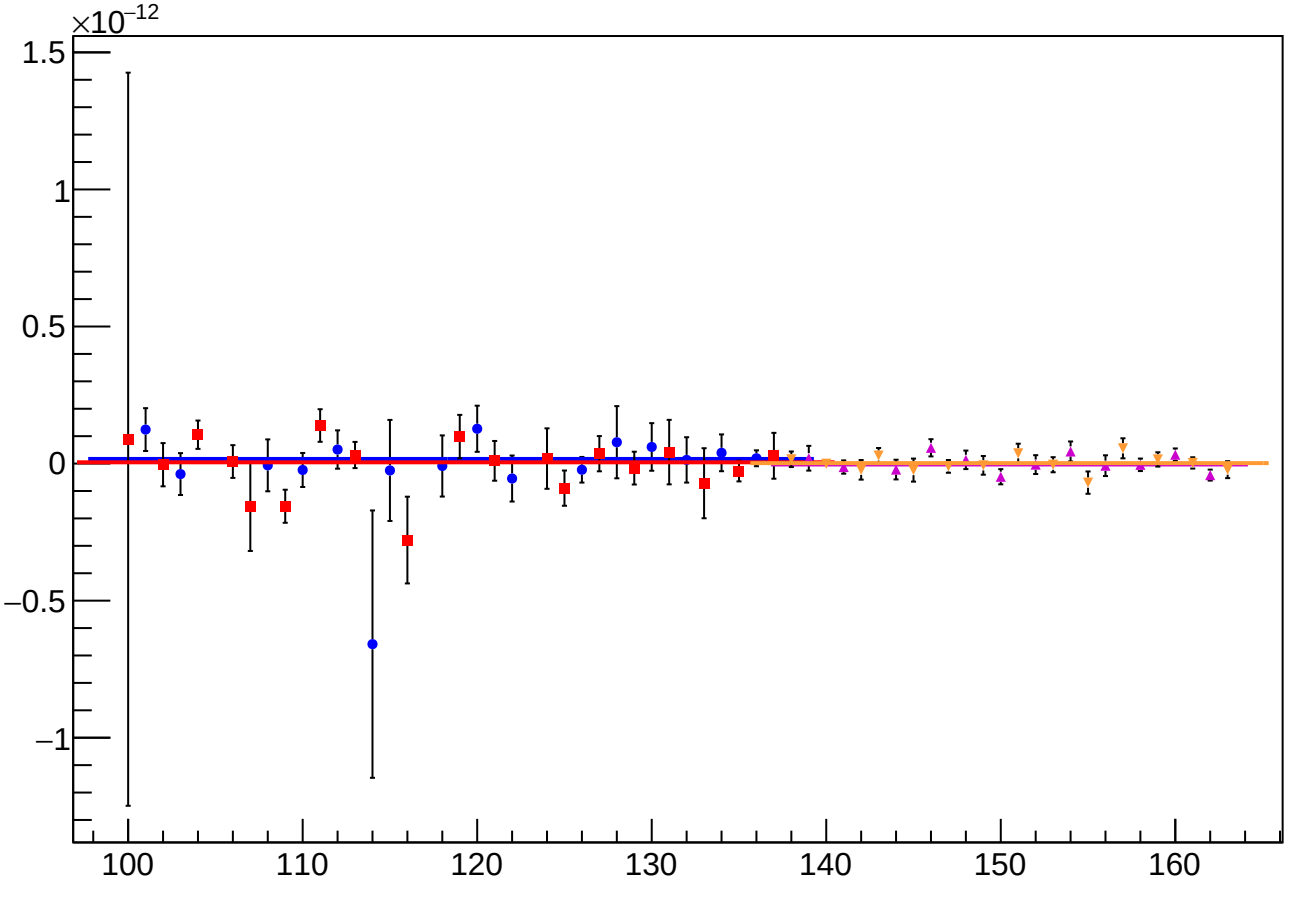
Left: 2873.754+/-0.438 χ^2/NDF: 35025.9/25

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2879.988+/-0.491 χ^2/NDF:757178.6/27

Out: 2879.558+/-0.475 χ^2/NDF:213795.1/32

All: 2879.766+/-0.341 χ^2/NDF: 970974.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/11

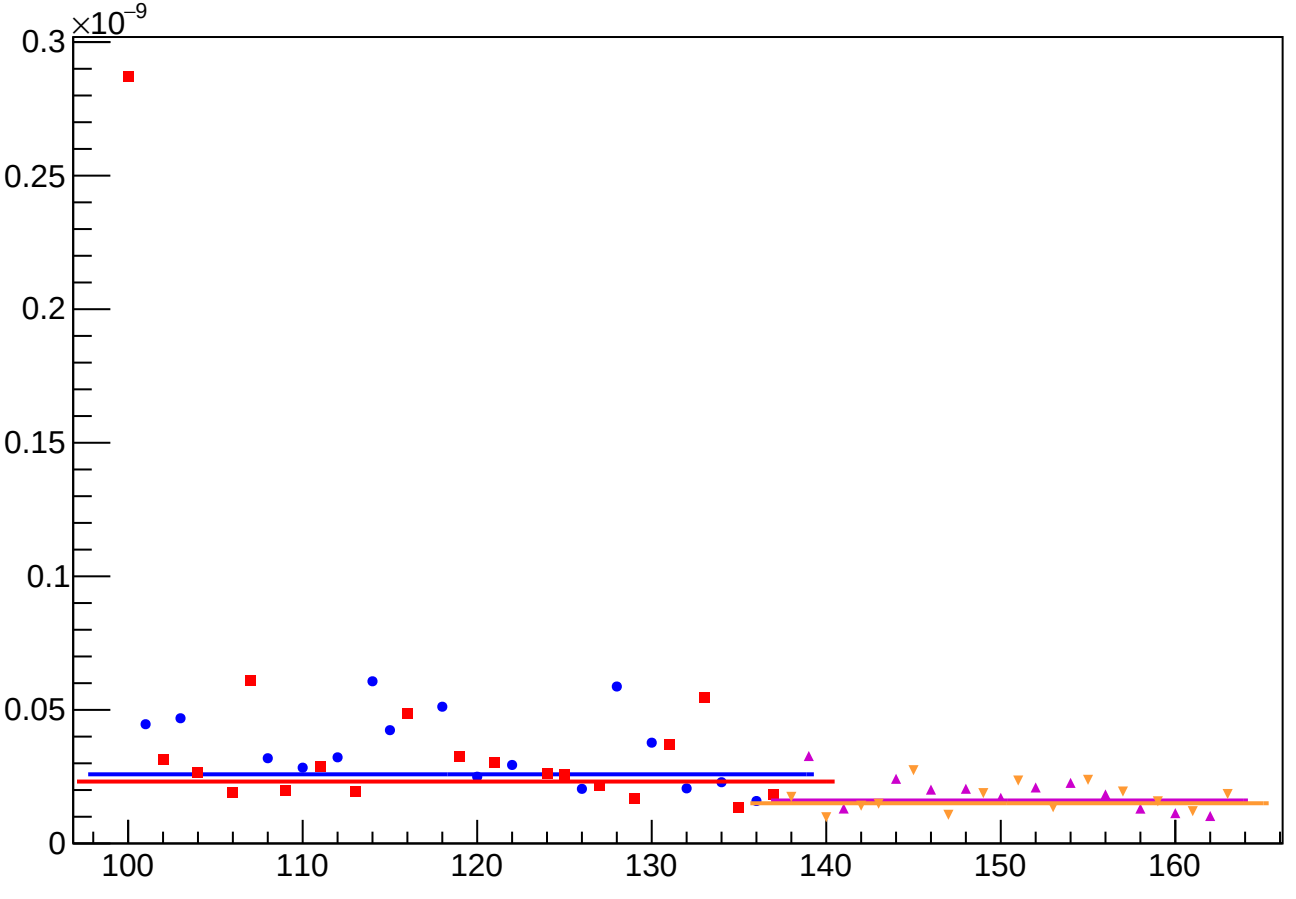
Left: -0.000+/-0.000 χ^2/NDF: 25.0/25

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:25.2/27

Out: 0.000+/-0.000 χ^2/NDF:35.3/32

All: 0.000+/-0.000 χ^2/NDF: 60.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:757891.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:877534.3/11

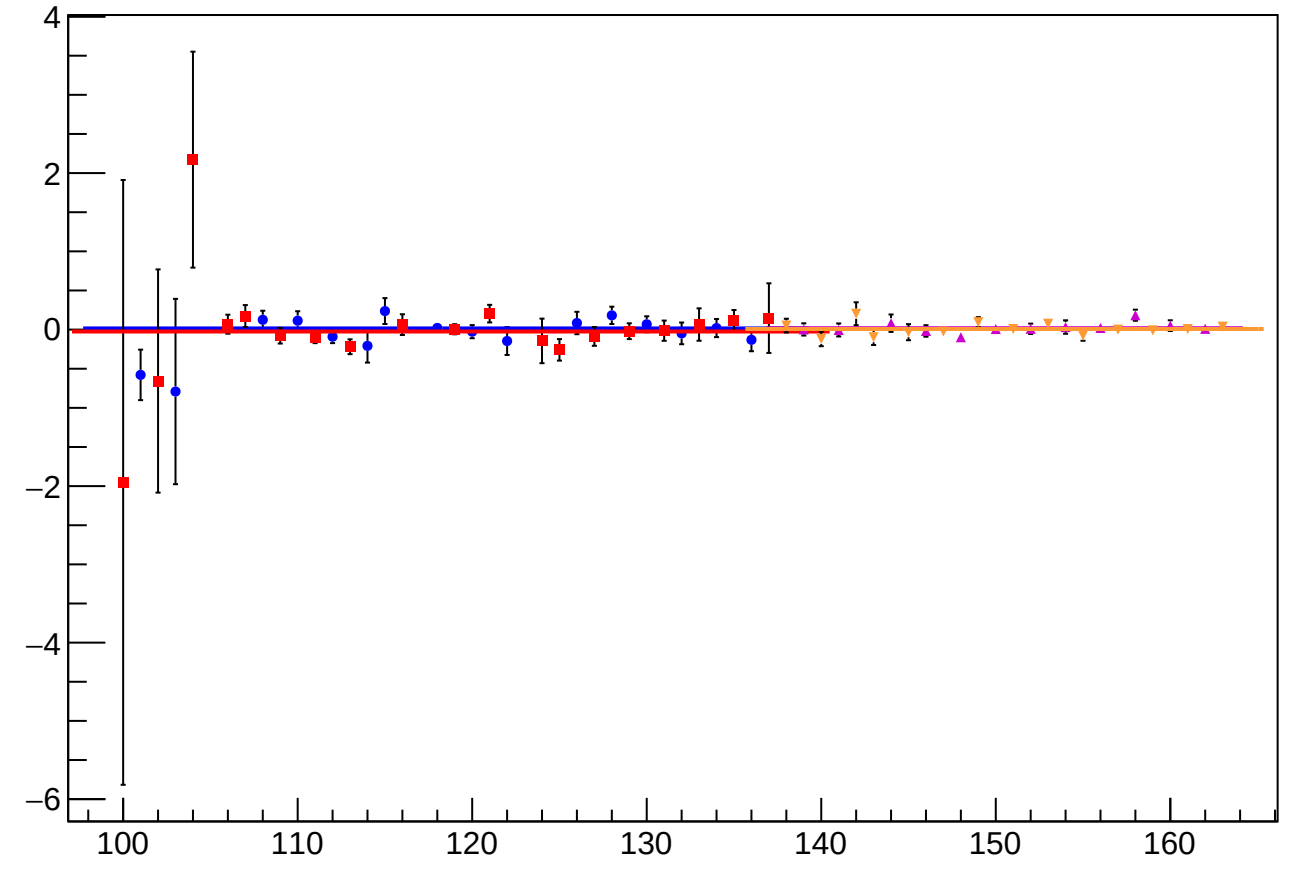
Left: 0.000+/-0.000 χ^2/NDF: 1652868.1/25

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2288051.0/27

Out: 0.000+/-0.000 χ^2/NDF:1884279.0/32

All: 0.000+/-0.000 χ^2/NDF: 4212390.4/60



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.018+/-0.020 χ^2/NDF:9.8/11

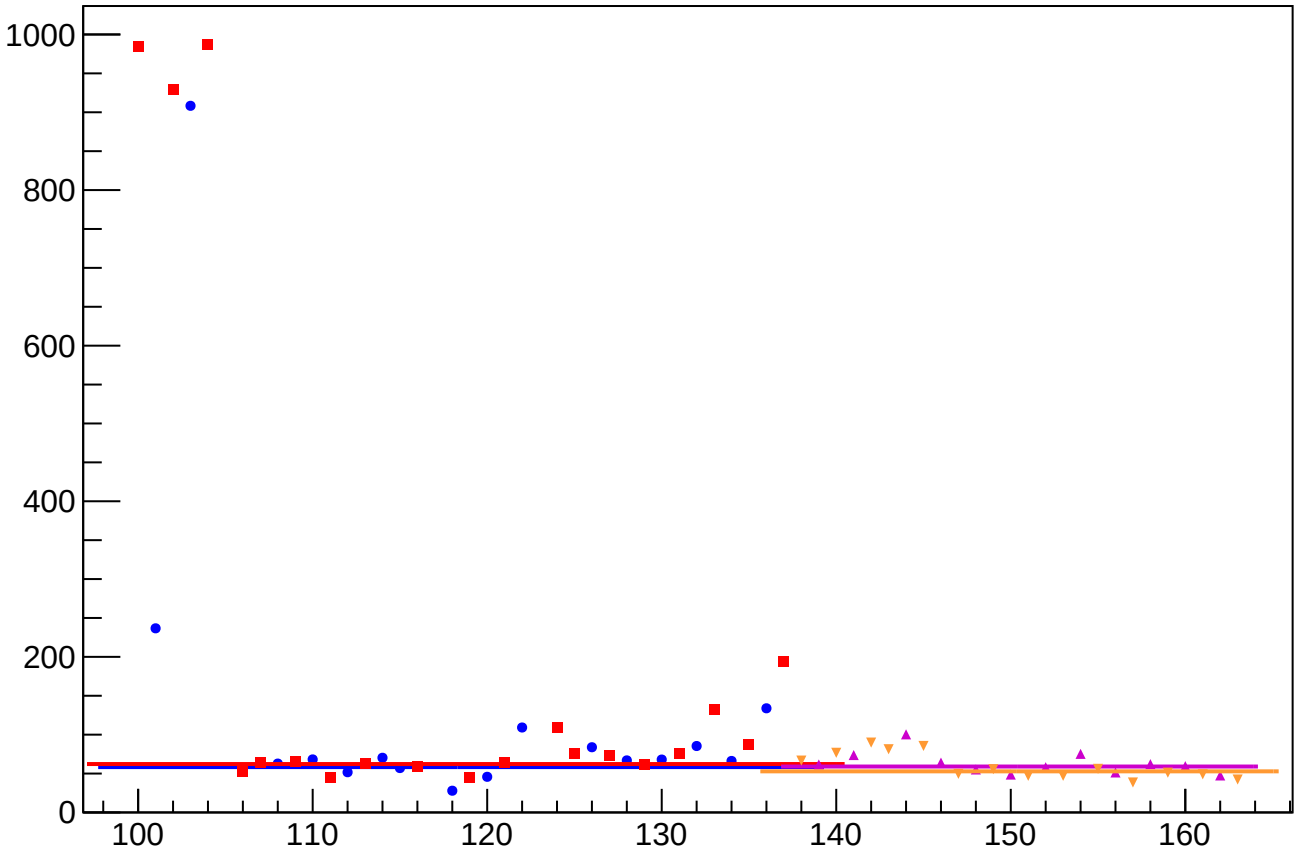
Left: 0.012+/-0.013 χ^2/NDF: 20.5/25

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.016 χ^2/NDF:24.8/27

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.007+/-0.011 χ^2/NDF: 57.8/60



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.033+/-0.014 χ^2/NDF:610219.2/11

Left: 55.629+/-0.010 χ^2/NDF: 1650972.4/25

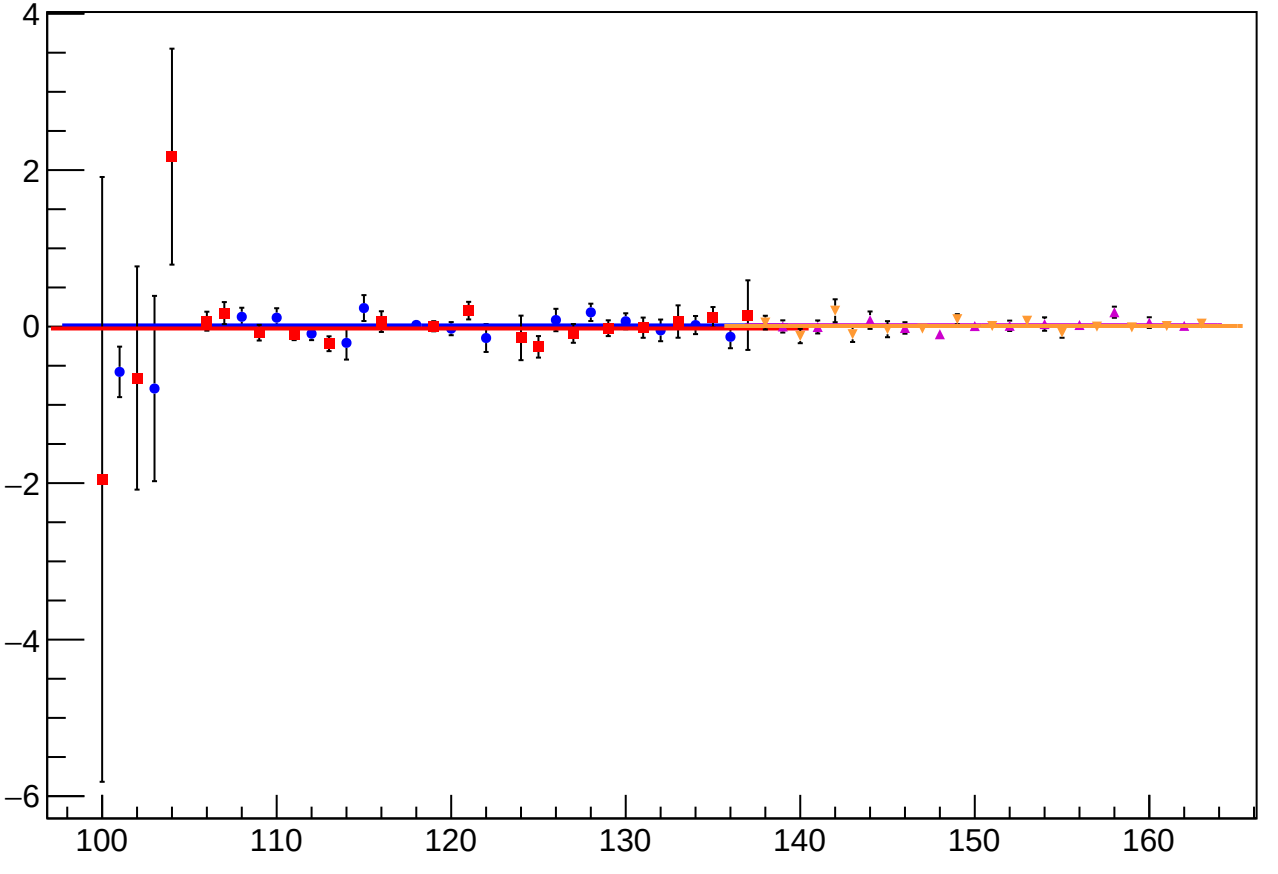
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.787+/-0.012 χ^2/NDF:3871505.0/27

Out: 55.622+/-0.011 χ^2/NDF:3721430.4/32

All: 57.100+/-0.008 χ^2/NDF: 7633181.8/60

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.018+/-0.020 χ^2/NDF:9.8/11

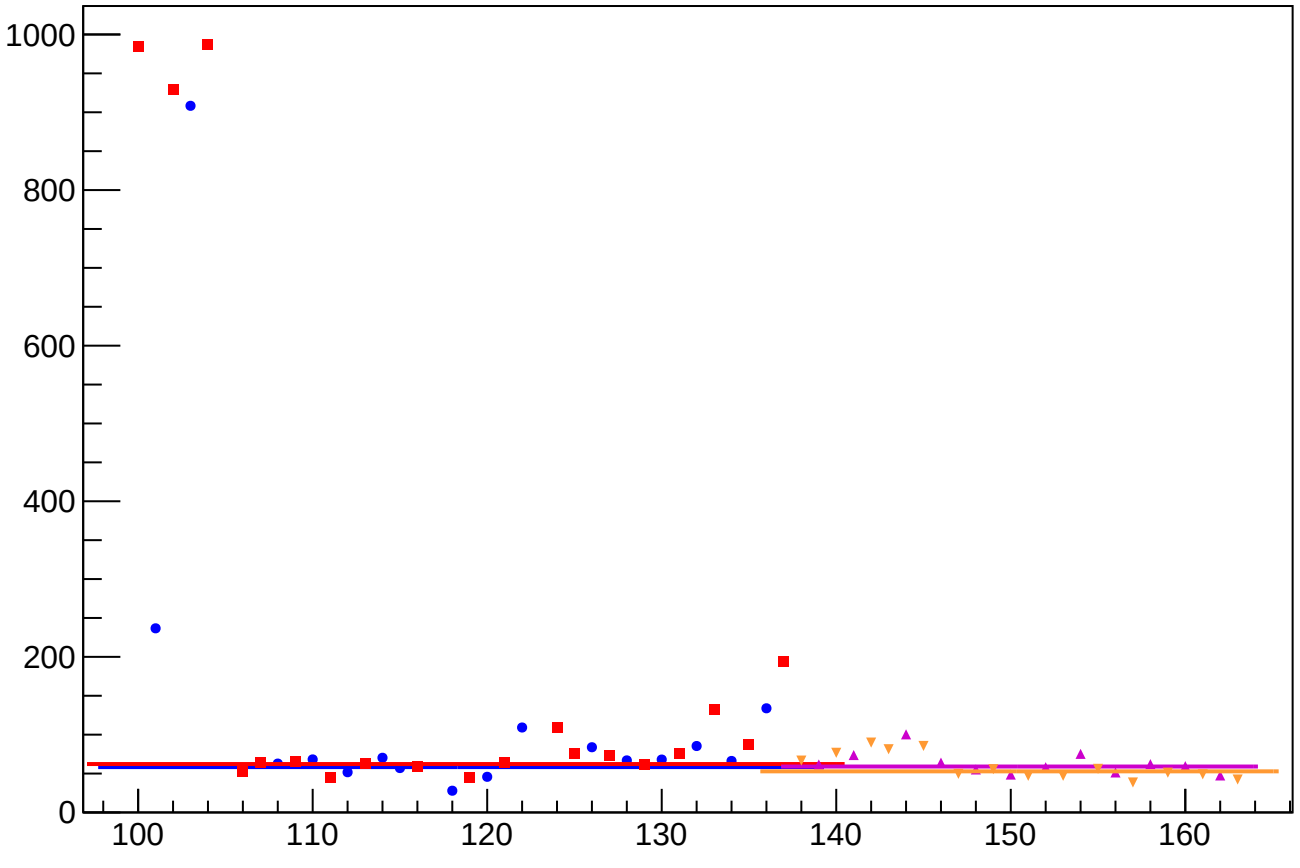
Left: 0.012+/-0.013 χ^2/NDF: 20.5/25

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.016 χ^2/NDF:24.8/27

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.007+/-0.011 χ^2/NDF: 57.8/60



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 52.844+/-0.013 χ^2/NDF:936287.1/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 59.033+/-0.014 χ^2/NDF:610219.2/11

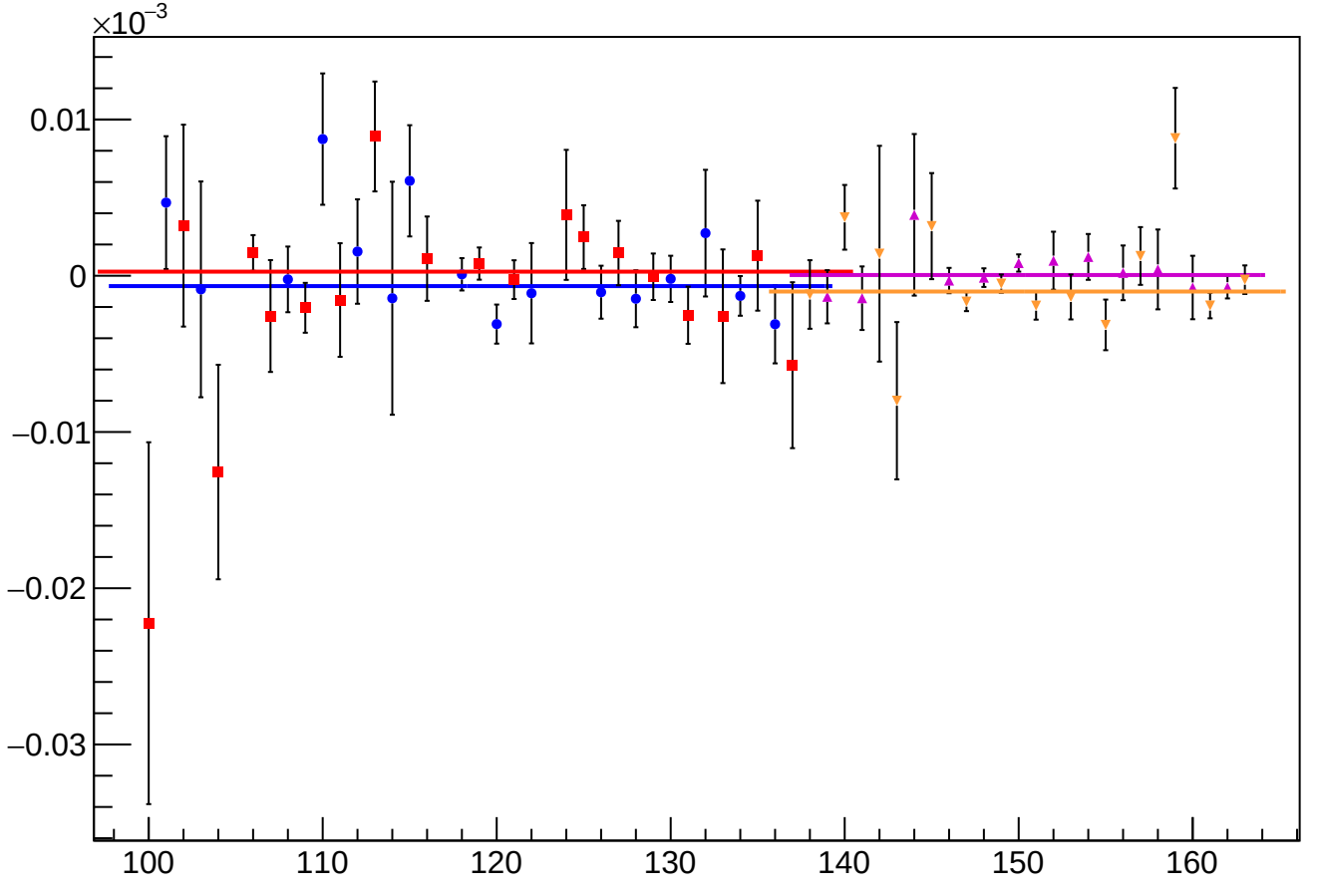
Left: 55.629+/-0.010 χ^2/NDF: 1650972.4/25

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.787+/-0.012 χ^2/NDF:3871505.0/27

Out: 55.622+/-0.011 χ^2/NDF:3721430.4/32

All: 57.100+/-0.008 χ^2/NDF: 7633181.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/11

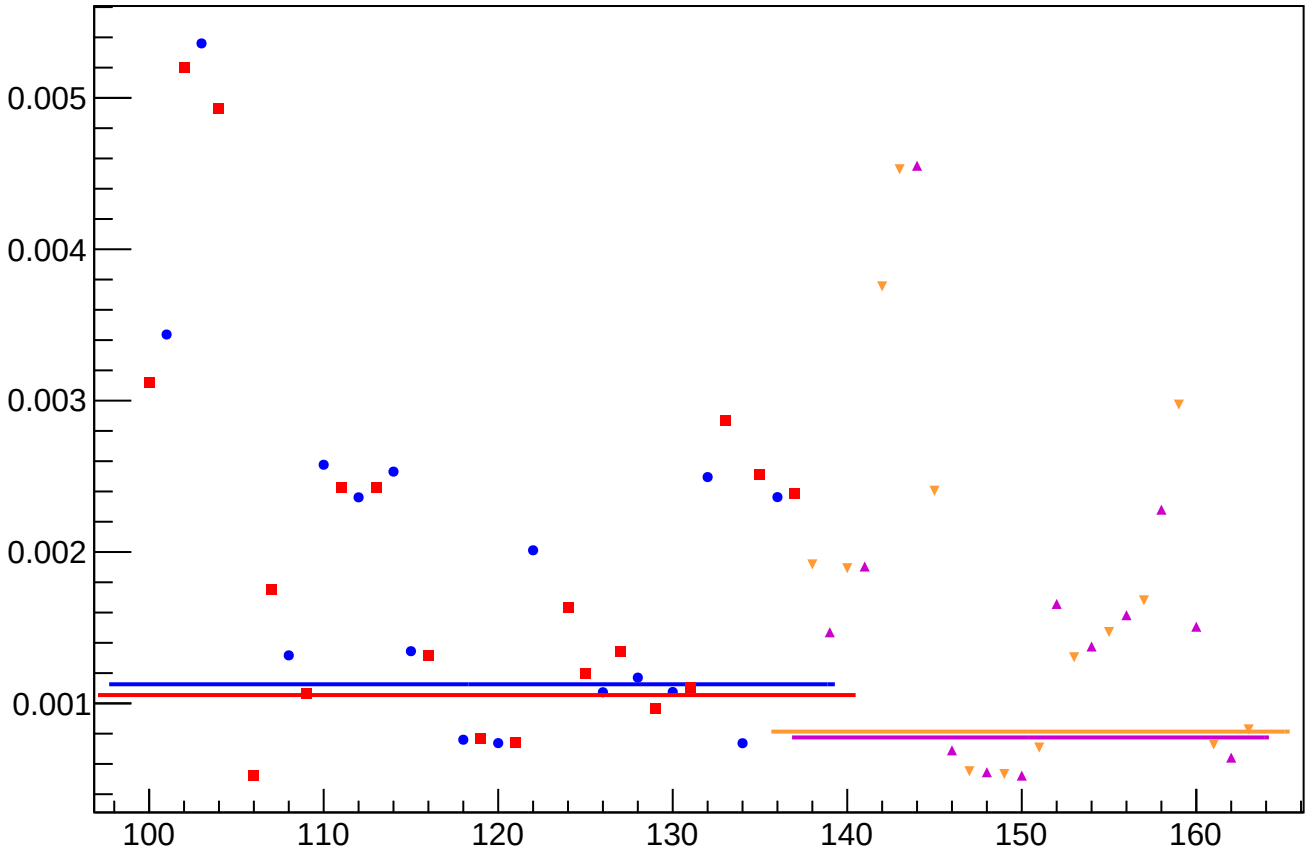
Left: -0.000+/-0.000 χ^2/NDF: 38.9/25

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:25.0/27

Out: -0.000+/-0.000 χ^2/NDF:56.1/32

All: -0.000+/-0.000 χ^2/NDF: 83.1/60



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:5729504.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:4987999.0/11

Left: 0.001+/-0.000 χ^2/NDF: 10734776.3/25

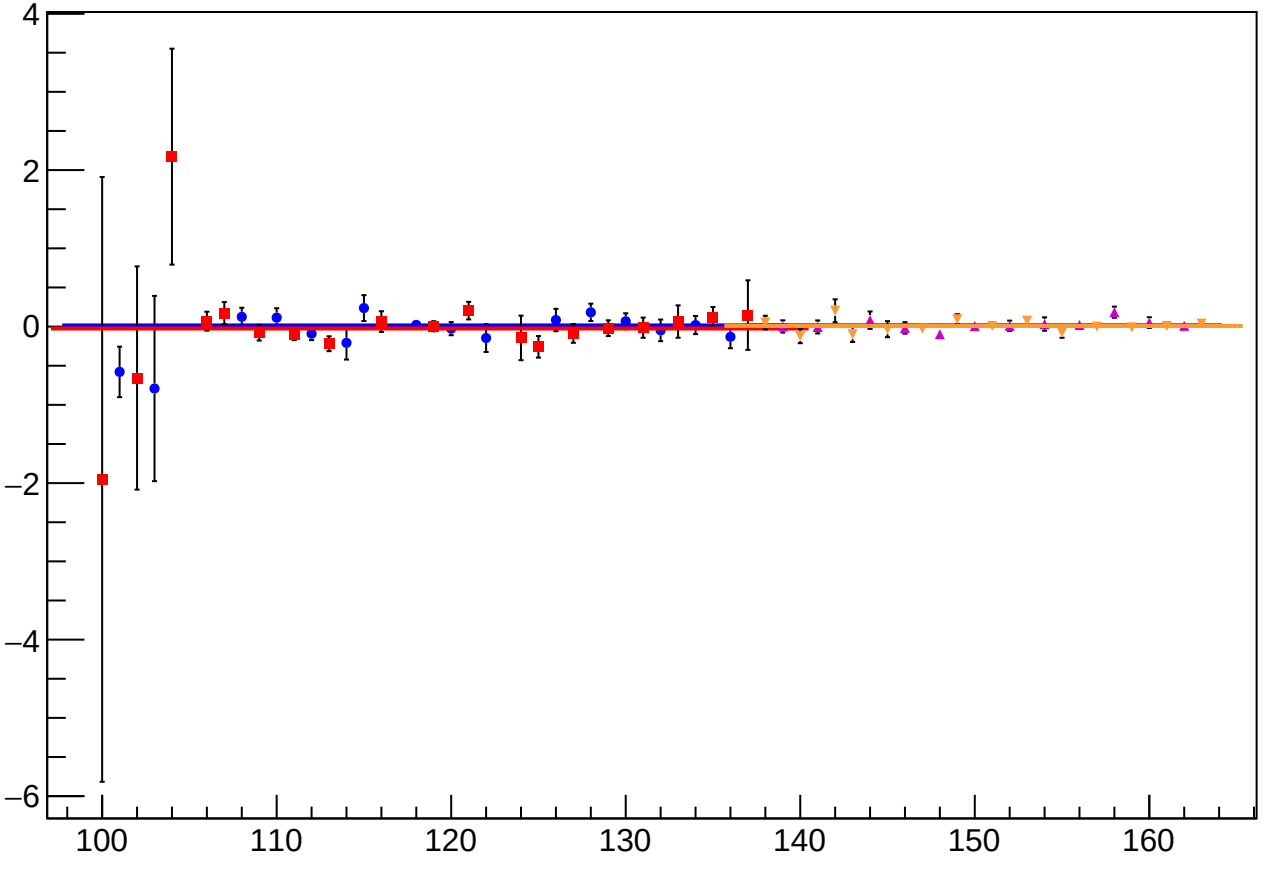
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9198198.1/27

Out: 0.001+/-0.000 χ^2/NDF:9961935.8/32

All: 0.001+/-0.000 χ^2/NDF: 19164113.4/60

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.018+/-0.020 χ^2/NDF:9.8/11

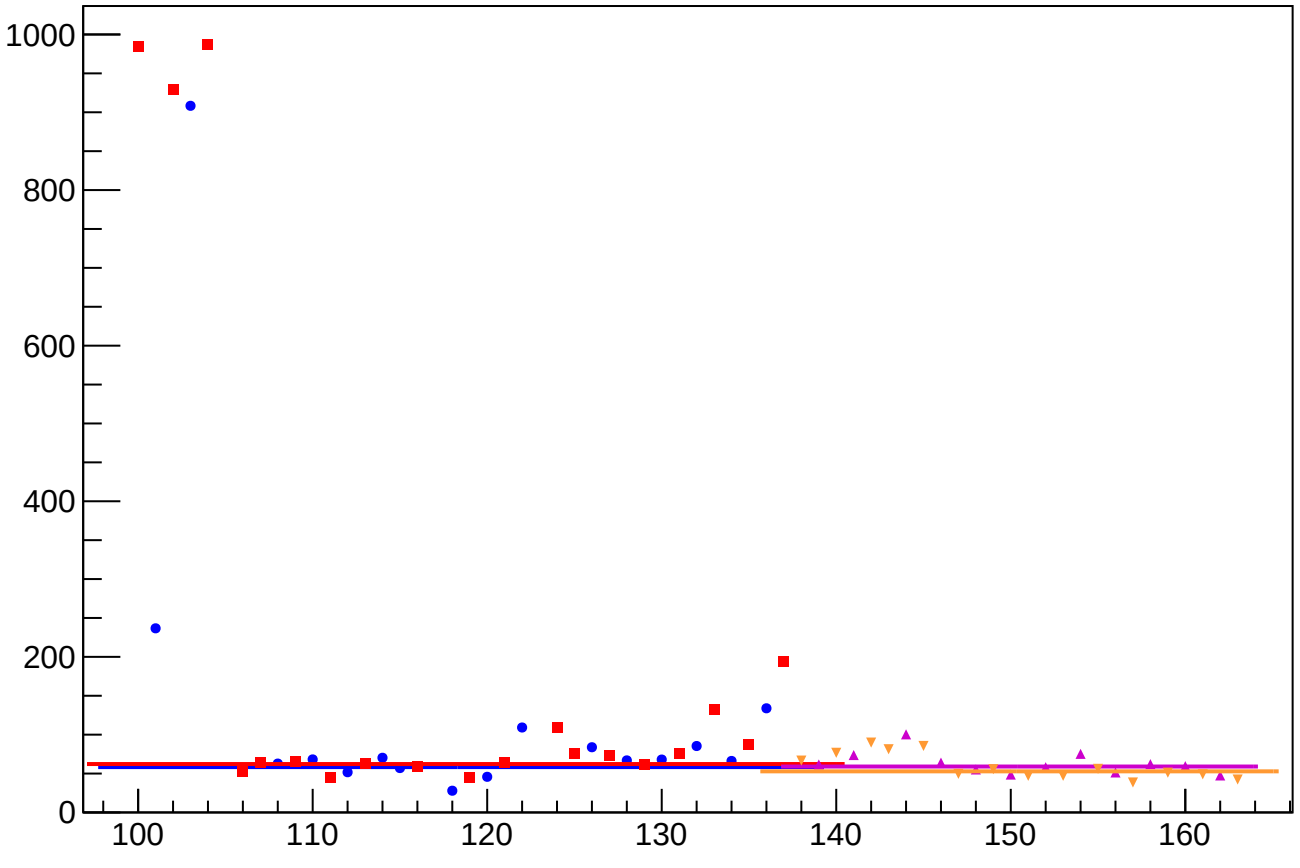
Left: 0.012+/-0.013 χ^2/NDF: 20.5/25

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.016 χ^2/NDF:24.8/27

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.007+/-0.011 χ^2/NDF: 57.8/60



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.033+/-0.014 χ^2/NDF:610242.4/11

Left: 55.629+/-0.010 χ^2/NDF: 1651070.1/25

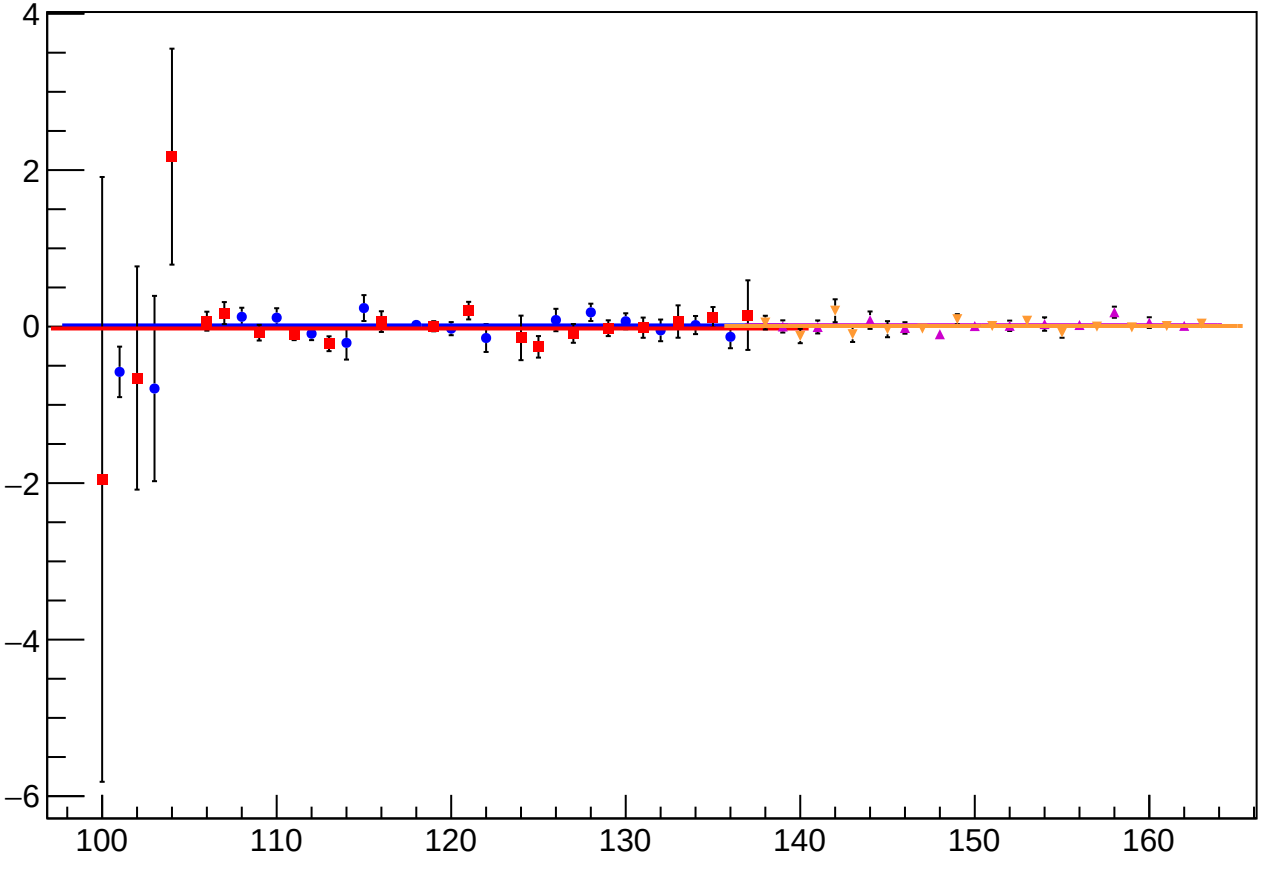
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.786+/-0.012 χ^2/NDF:3871610.1/27

Out: 55.622+/-0.011 χ^2/NDF:3721492.1/32

All: 57.099+/-0.008 χ^2/NDF: 7633356.4/60

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.018 χ^2/NDF:10.6/13

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.018+/-0.020 χ^2/NDF:9.8/11

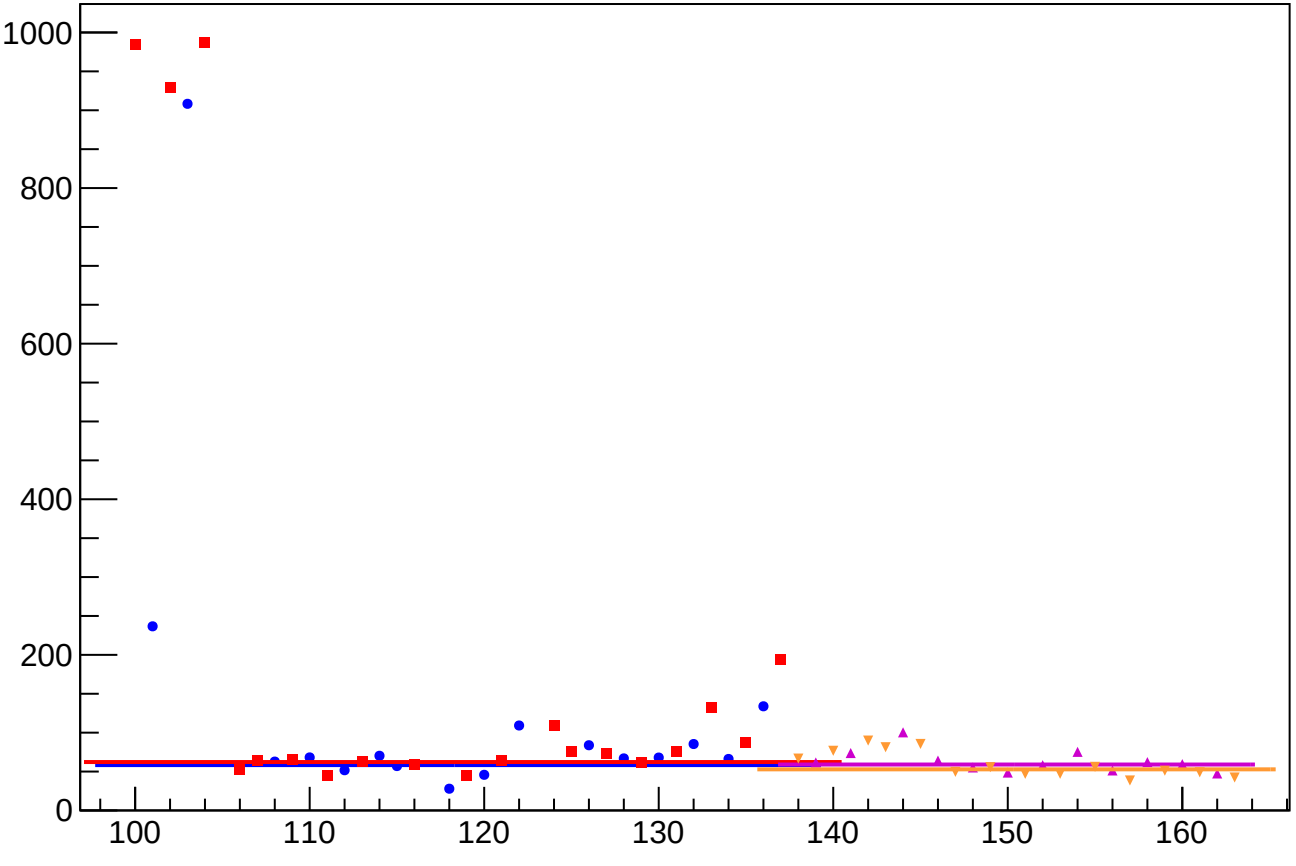
Left: 0.012+/-0.013 χ^2/NDF: 20.5/25

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.017+/-0.016 χ^2/NDF:24.8/27

Out: -0.002+/-0.015 χ^2/NDF:32.3/32

All: 0.007+/-0.011 χ^2/NDF: 57.8/60



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 52.844+/-0.013 χ^2/NDF:936336.4/13

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 59.033+/-0.014 χ^2/NDF:610242.4/11

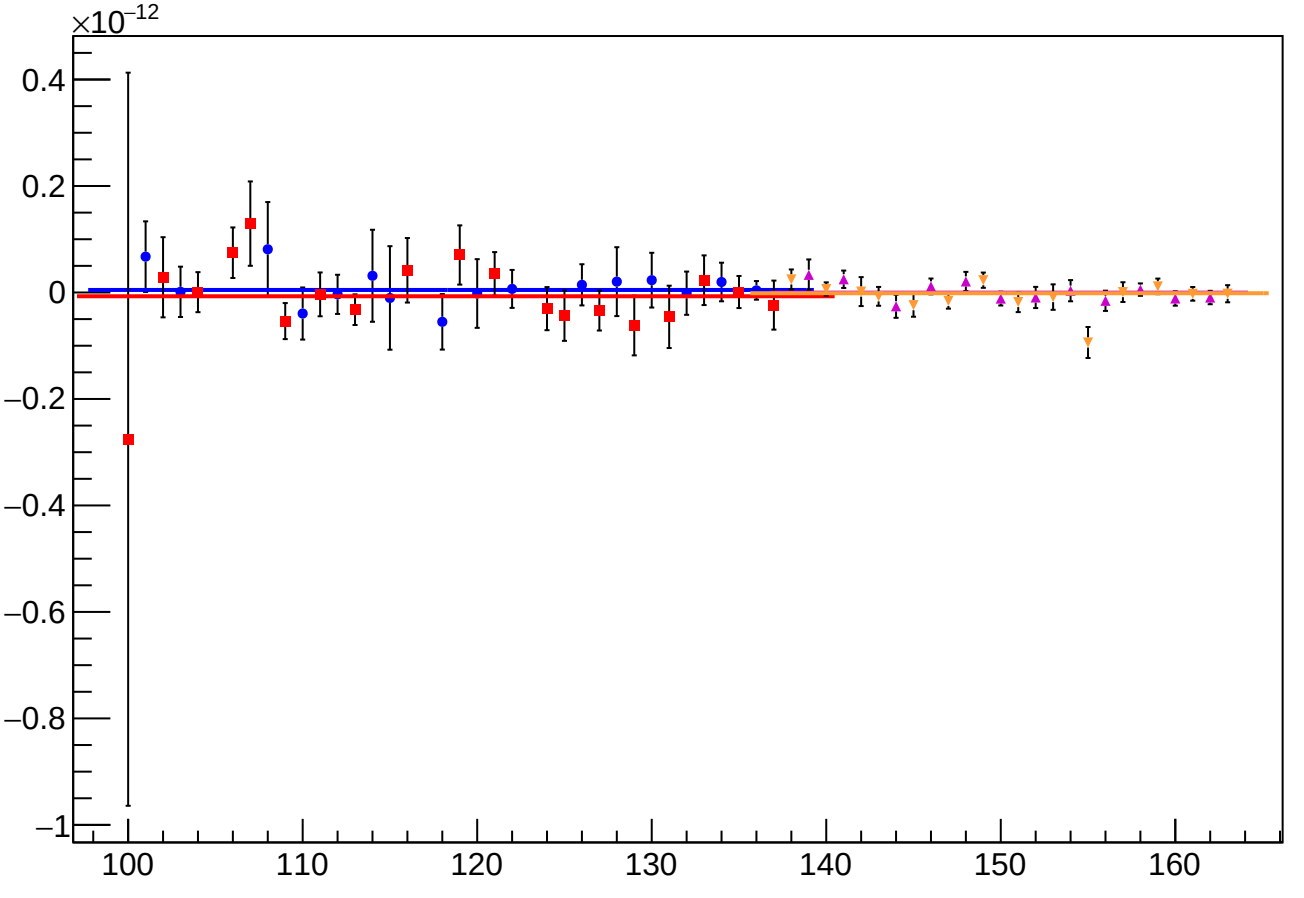
Left: 55.629+/-0.010 χ^2/NDF: 1651070.1/25

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.786+/-0.012 χ^2/NDF:3871610.1/27

Out: 55.622+/-0.011 χ^2/NDF:3721492.1/32

All: 57.099+/-0.008 χ^2/NDF: 7633356.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/11

Left: -0.000+/-0.000 χ^2/NDF: 29.4/25

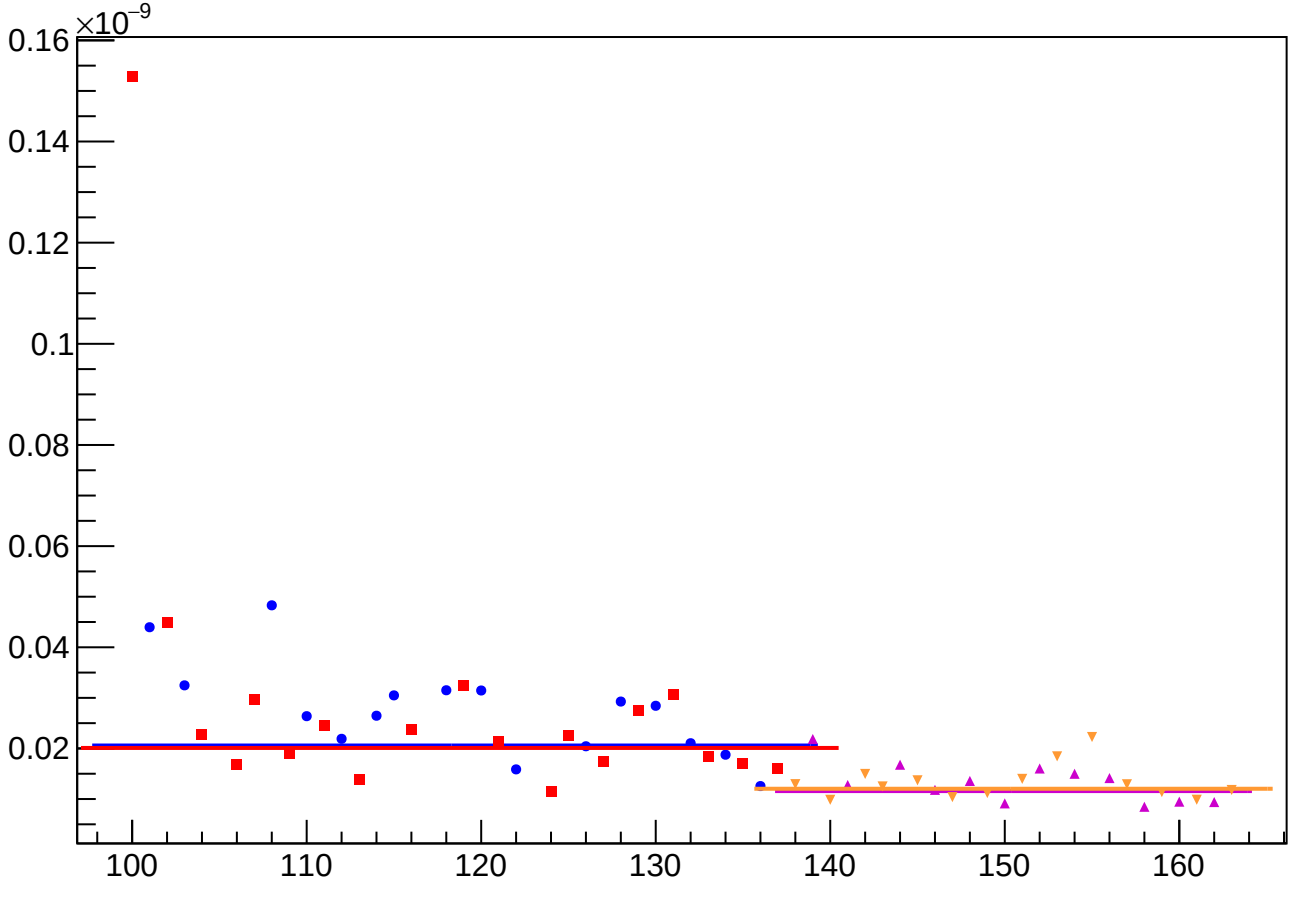
Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:14.8/27

Out: -0.000+/-0.000 χ^2/NDF:35.6/32

All: -0.000+/-0.000 χ^2/NDF: 50.6/60

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:611336.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:921714.6/11

Left: 0.000+/-0.000 χ^2/NDF: 1543226.3/25

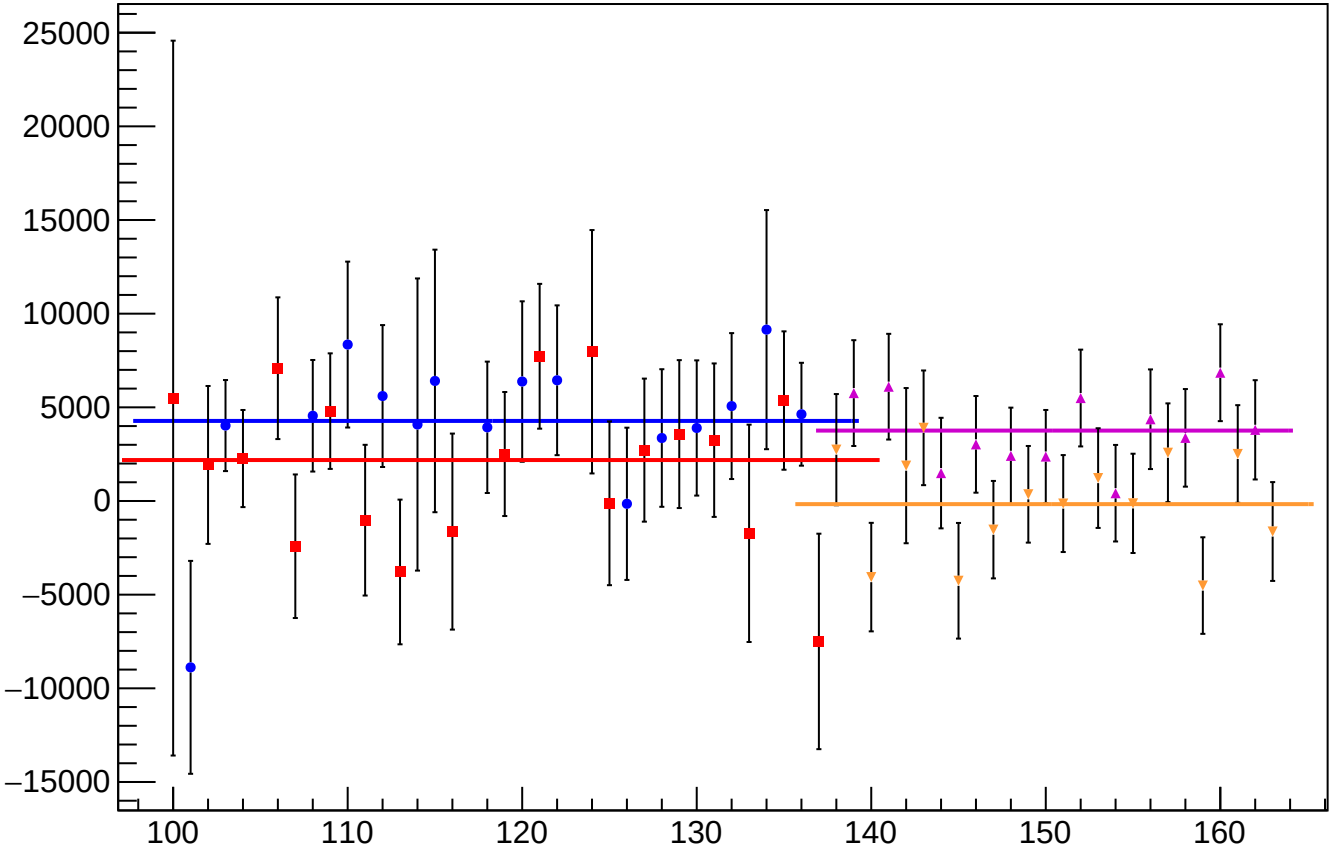
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3528246.0/27

Out: 0.000+/-0.000 χ^2/NDF:2482367.0/32

All: 0.000+/-0.000 χ^2/NDF: 6016112.9/60

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.309+/-741.411 χ^2/NDF:12.4/13

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3758.854+/-764.760 χ^2/NDF:6.1/11

Left: 1734.922+/-532.320 χ^2/NDF: 32.1/25

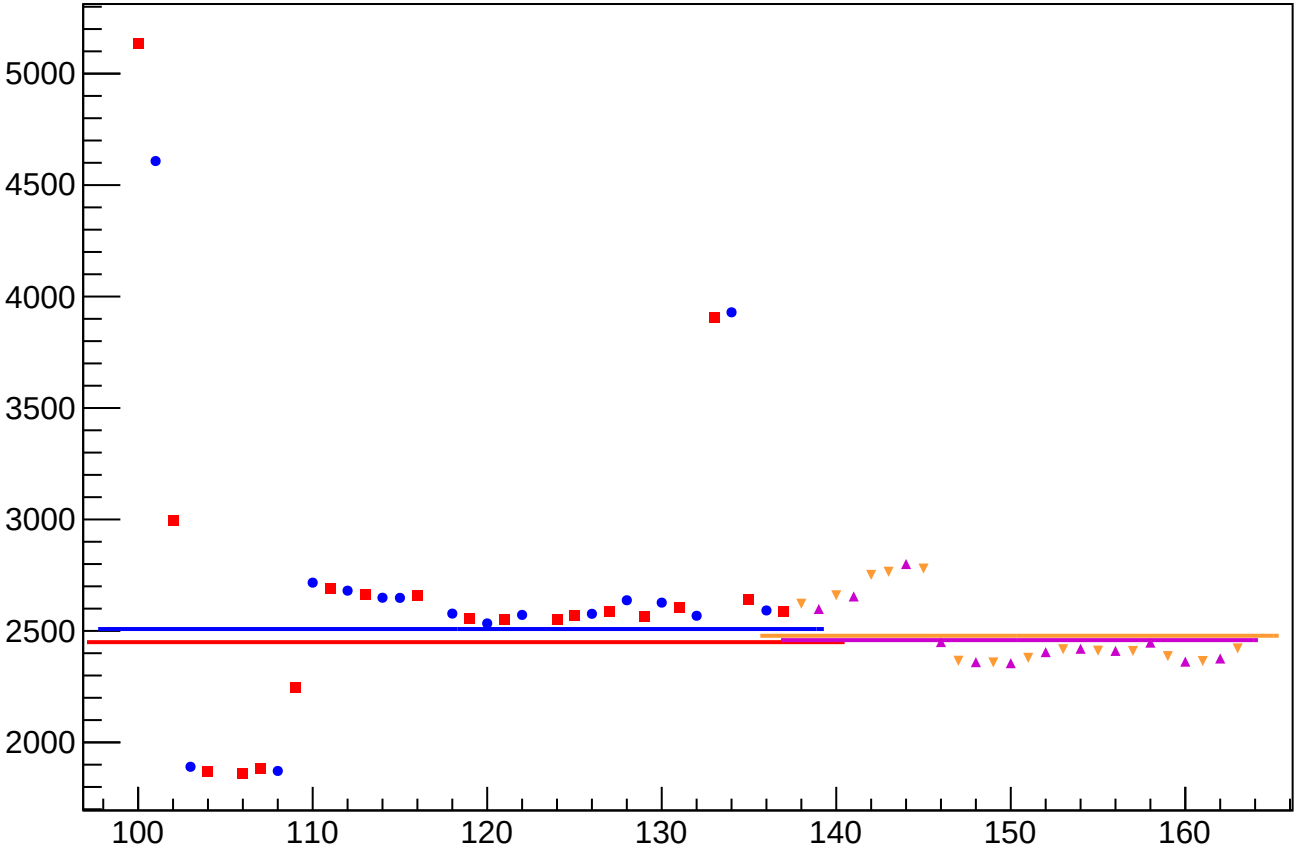
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3961.068+/-596.200 χ^2/NDF:15.2/27

Out: 756.810+/-577.803 χ^2/NDF:31.2/32

All: 2308.741+/-414.920 χ^2/NDF: 61.2/60

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2458.640+/-0.541 χ^2/NDF:54473.5/11

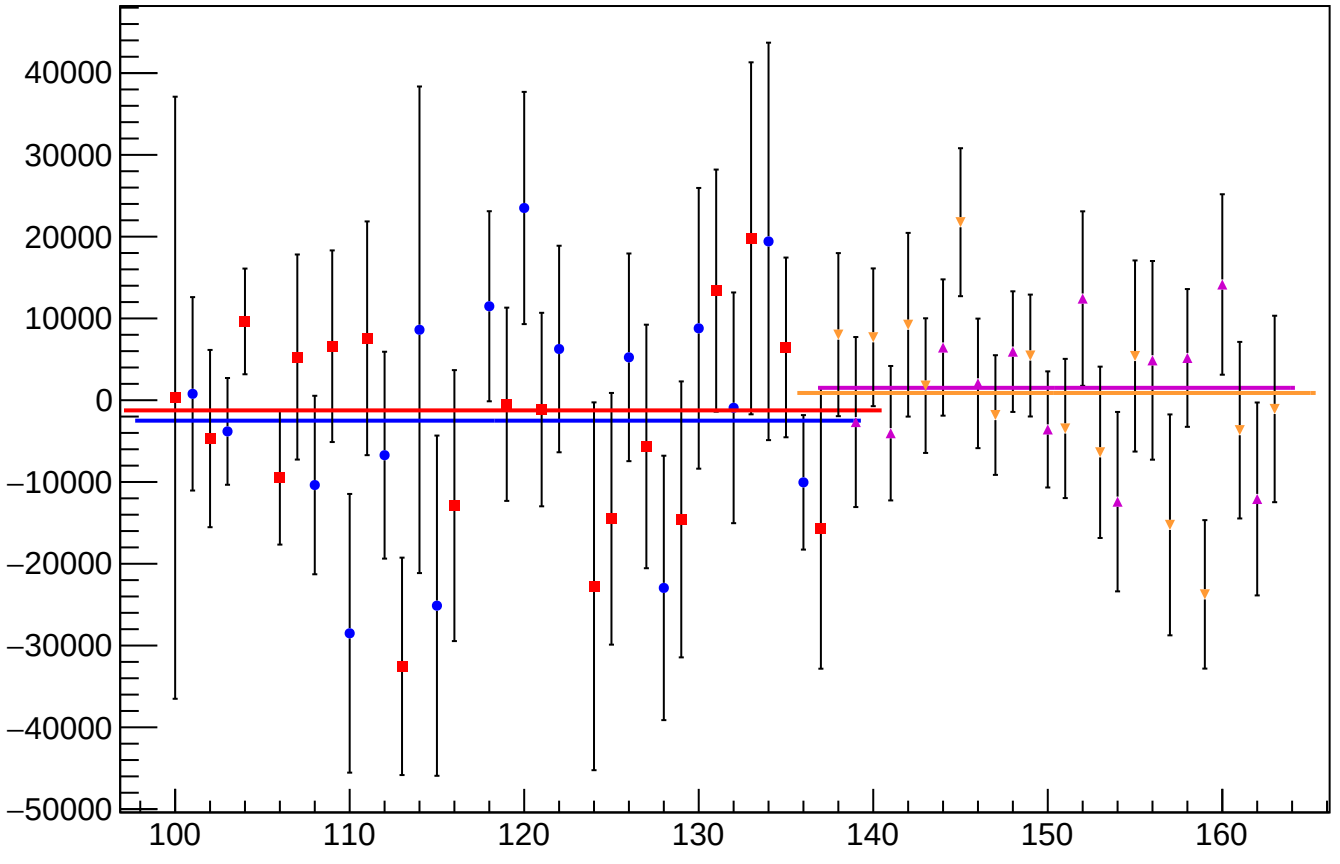
Left: 2468.807+/-0.376 χ^2/NDF: 134892.3/25

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2478.184+/-0.422 χ^2/NDF:669393.2/27

Out: 2467.078+/-0.409 χ^2/NDF:517814.1/32

All: 2472.457+/-0.293 χ^2/NDF: 1187565.2/60



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 885.107+/-2501.076 χ^2/NDF:17.5/13

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1513.947+/-2617.355 χ^2/NDF:7.4/11

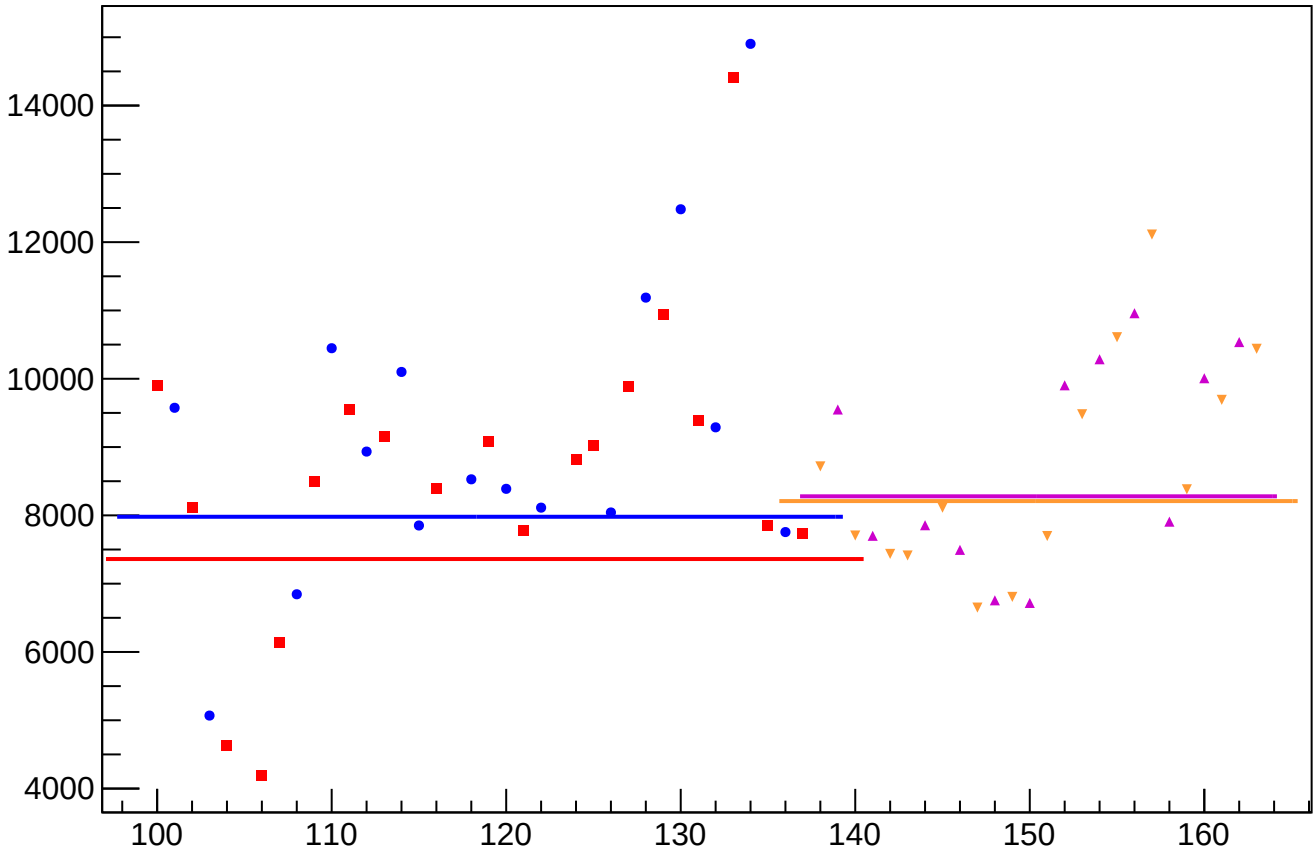
Left: 1185.249+/-1808.238 χ^2/NDF: 24.9/25

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -172.276+/-1993.270 χ^2/NDF:22.2/27

Out: -40.351+/-1880.640 χ^2/NDF:34.4/32

All: -102.481+/-1367.898 χ^2/NDF: 56.5/60



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8209.096+/-1.769 χ^2/NDF:605310.5/13

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8278.916+/-1.851 χ^2/NDF:583449.8/11

Left: 8242.421+/-1.279 χ^2/NDF: 1189504.2/25

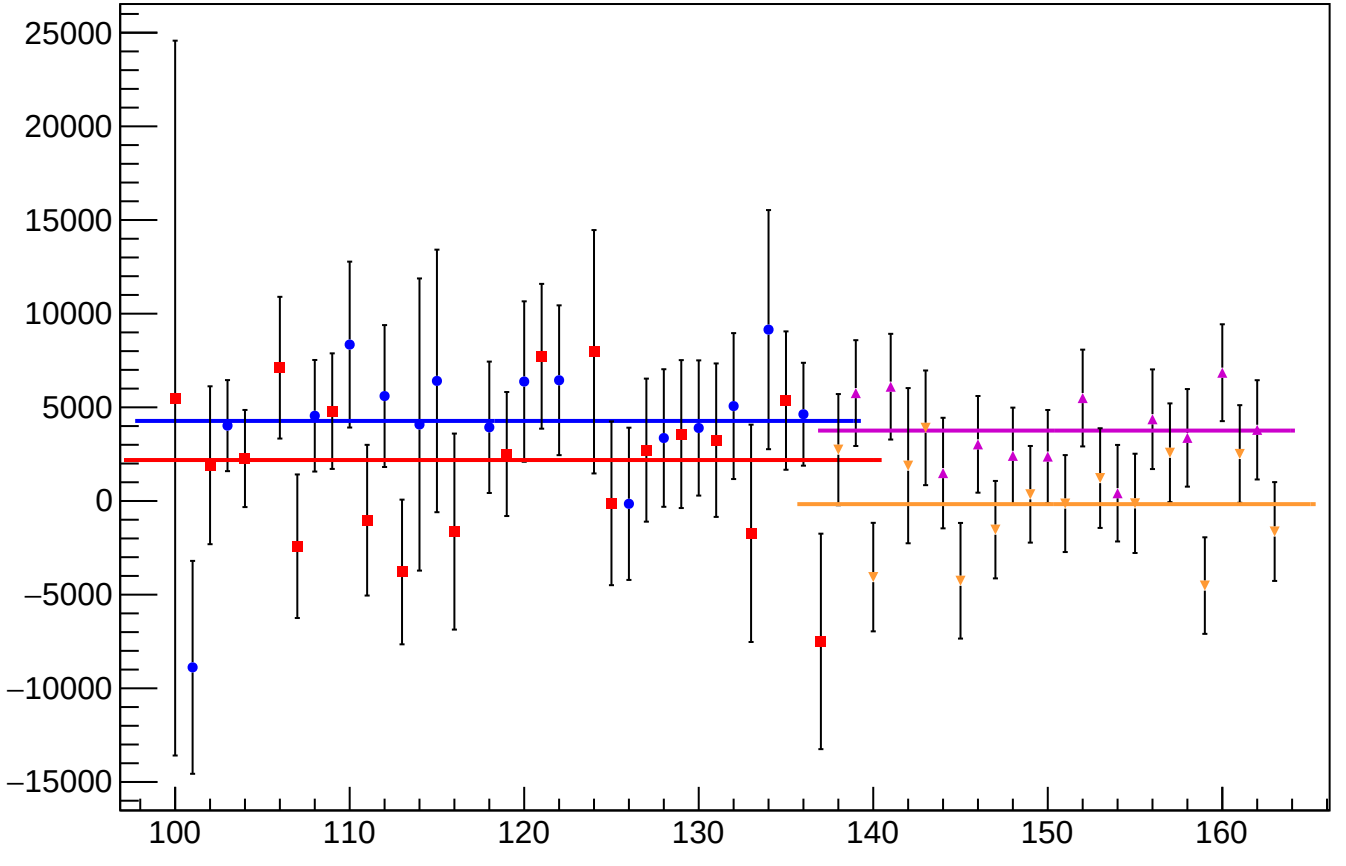
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8153.148+/-1.409 χ^2/NDF:1517528.0/27

Out: 7840.403+/-1.330 χ^2/NDF:1991323.4/32

All: 7987.691+/-0.967 χ^2/NDF: 3534899.4/60

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -167.588+/-741.411 χ^2/NDF:12.4/13

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3758.883+/-764.760 χ^2/NDF:6.1/11

Left: 1734.792+/-532.320 χ^2/NDF: 32.1/25

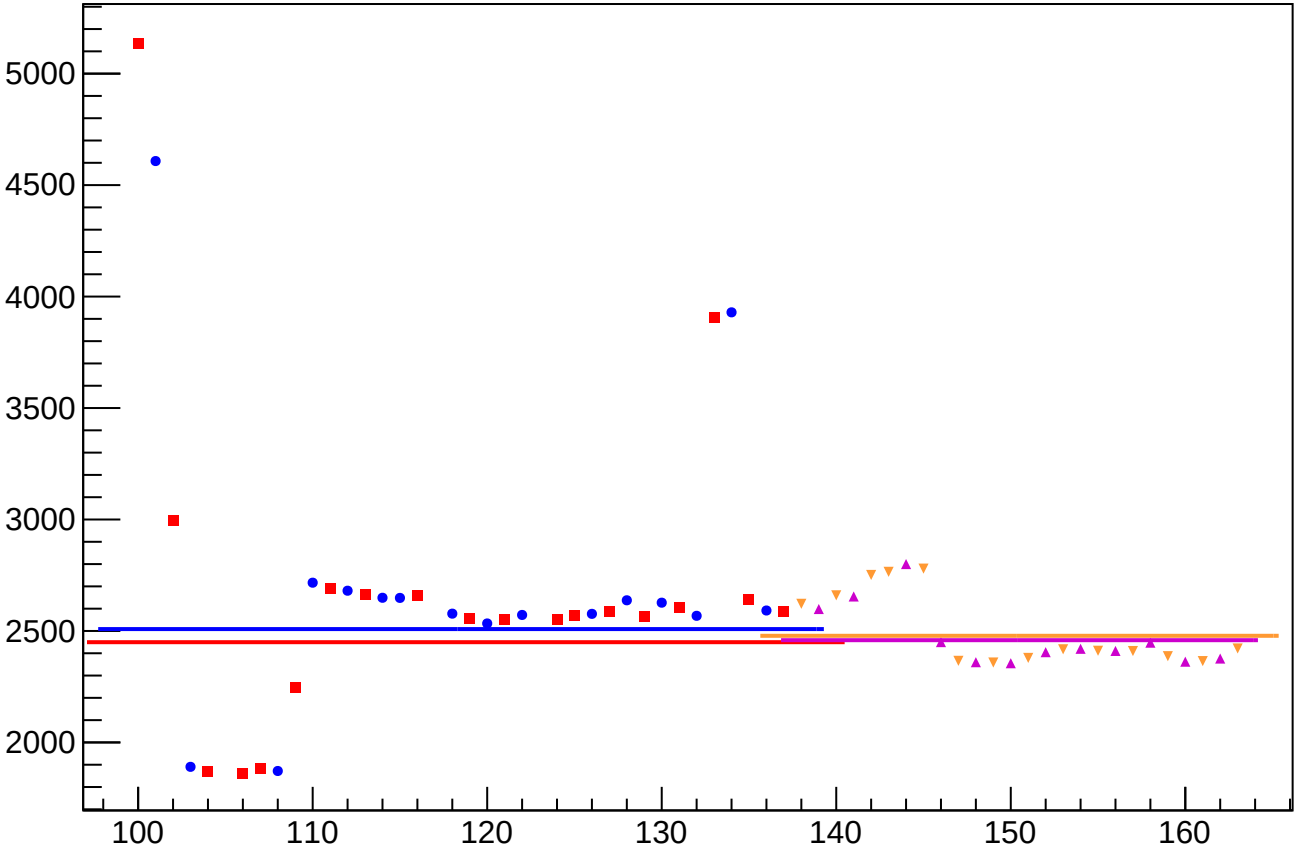
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3960.893+/-596.200 χ^2/NDF:15.2/27

Out: 756.876+/-577.805 χ^2/NDF:31.2/32

All: 2308.696+/-414.921 χ^2/NDF: 61.3/60

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.640+/-0.541 χ^2/NDF:54473.5/11

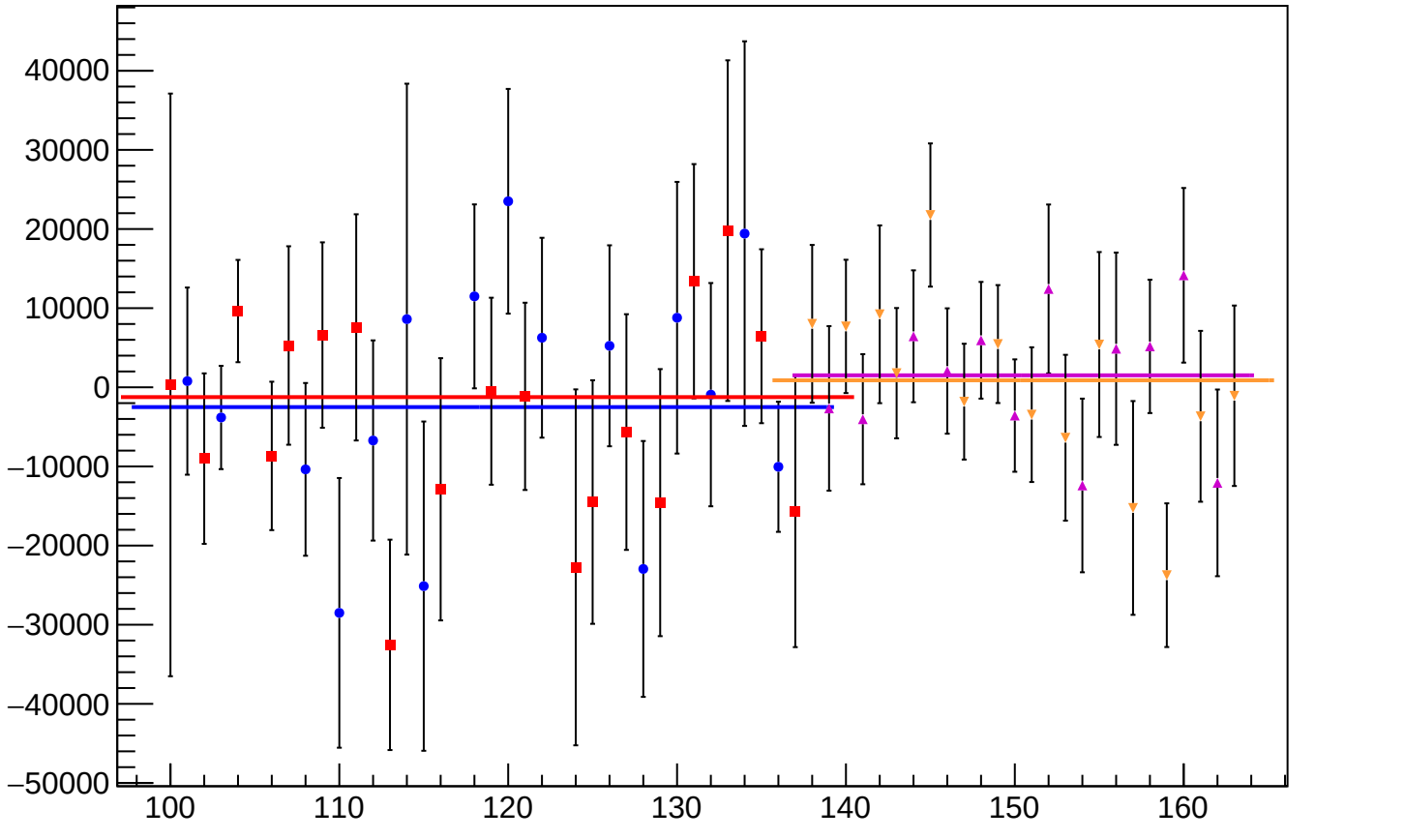
Left: 2468.807+/-0.376 χ^2/NDF: 134892.3/25

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2478.184+/-0.422 χ^2/NDF:669391.2/27

Out: 2467.087+/-0.409 χ^2/NDF:517757.7/32

All: 2472.462+/-0.293 χ^2/NDF: 1187506.1/60



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1514.050+/-2617.355 χ^2/NDF:7.4/11

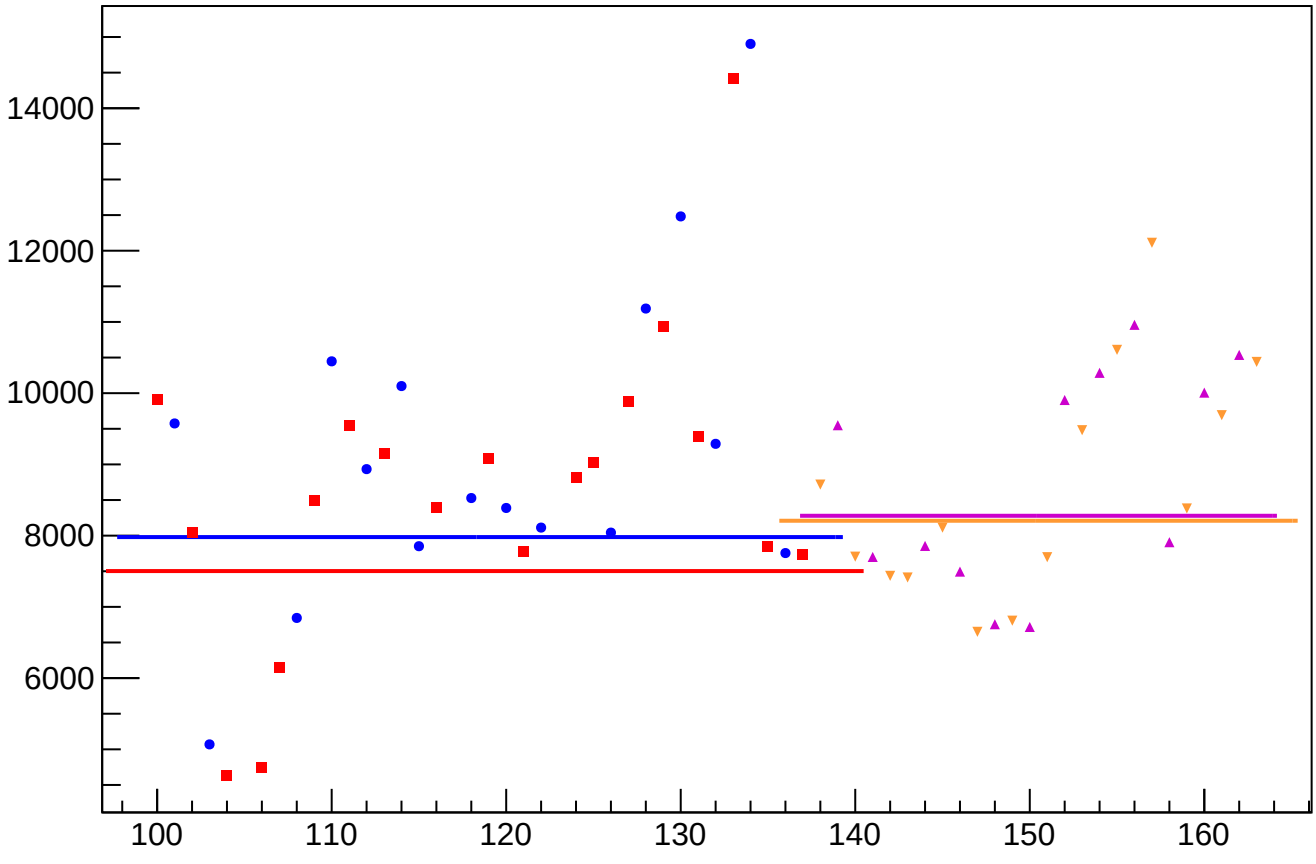
Left: 1185.281+/-1808.237 χ^2/NDF: 24.9/25

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -172.067+/-1993.294 χ^2/NDF:22.2/27

Out: -23.656+/-1892.166 χ^2/NDF:34.4/32

All: -94.001+/-1372.322 χ^2/NDF: 56.5/60



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8209.082+/-1.769 χ^2/NDF:605316.4/13

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8278.916+/-1.851 χ^2/NDF:583451.9/11

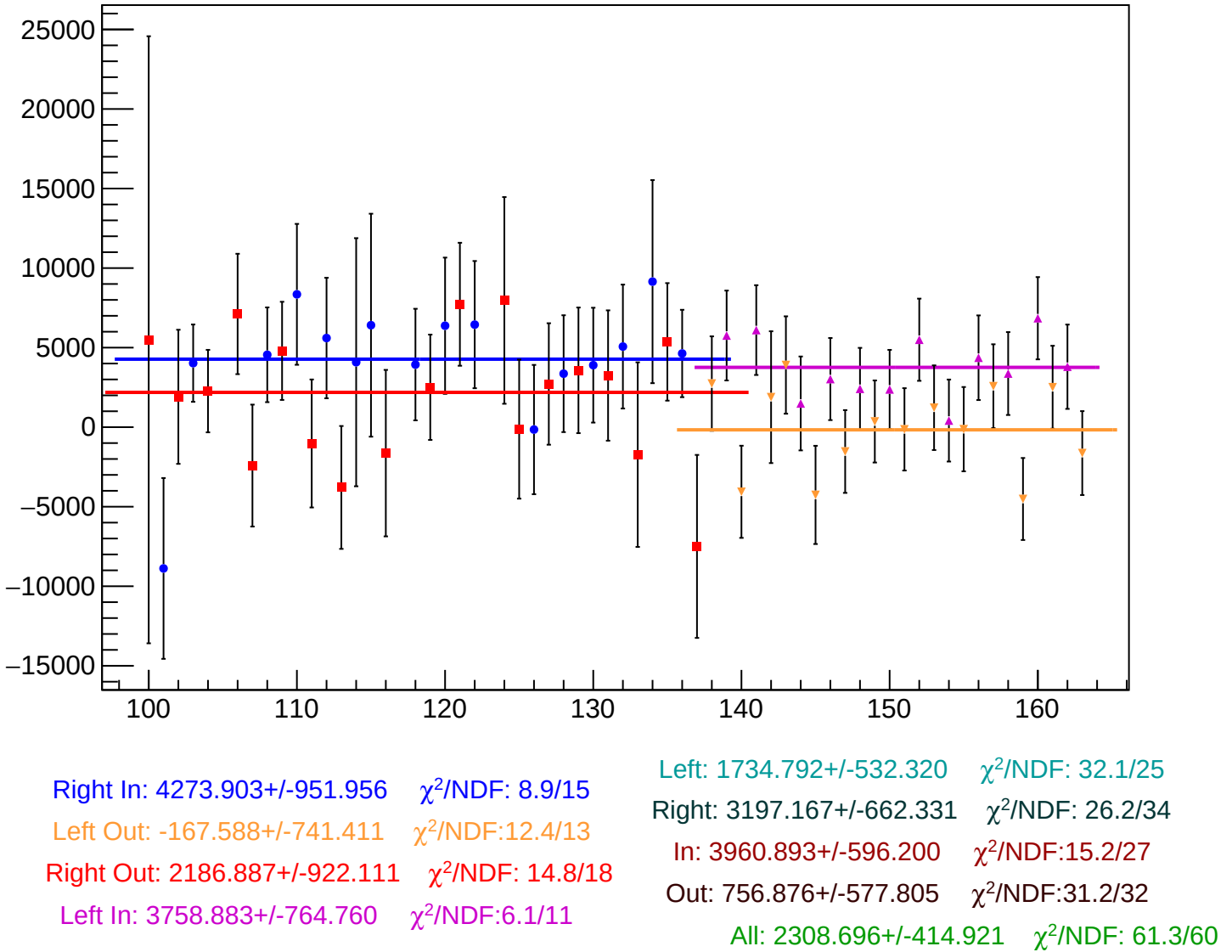
Left: 8242.413+/-1.279 χ^2/NDF: 1189512.5/25

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

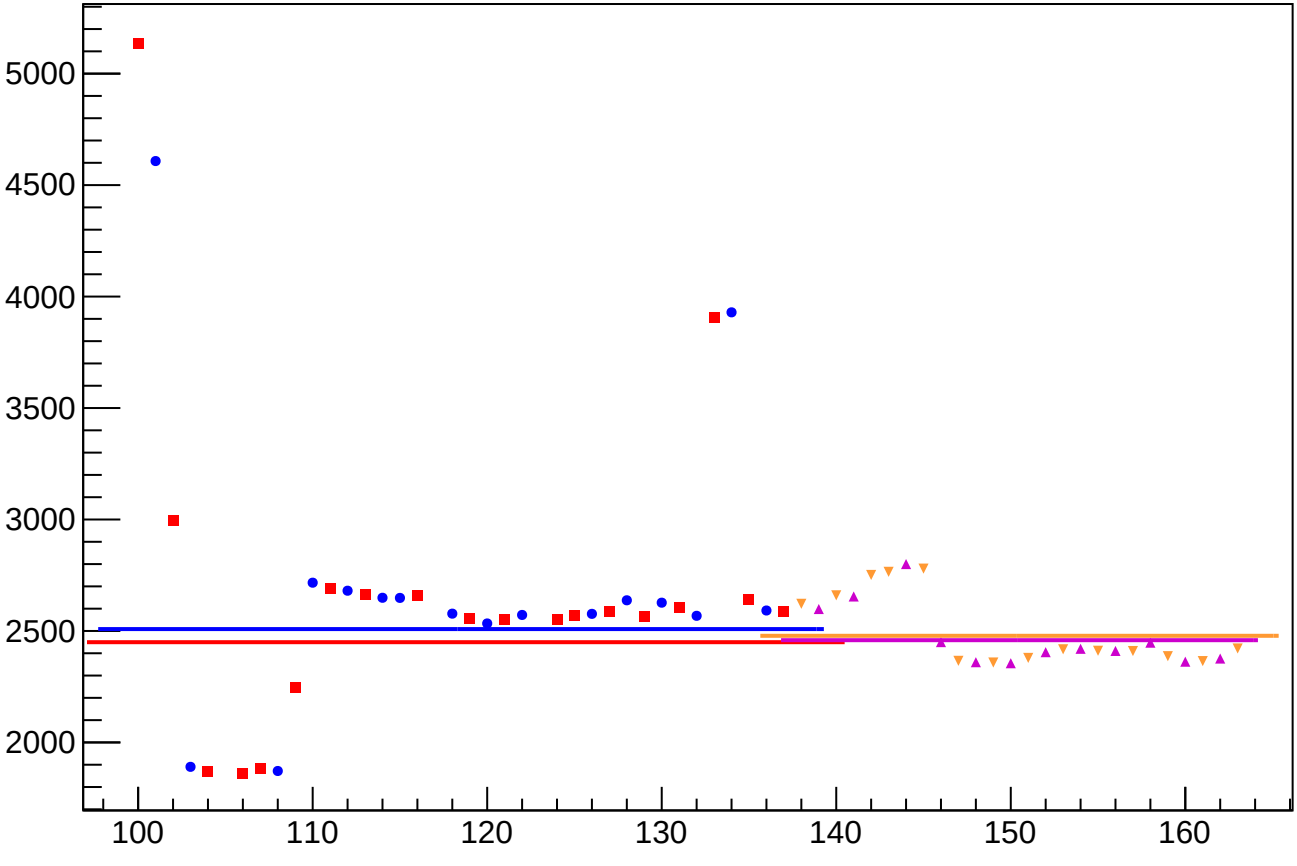
In: 8153.288+/-1.409 χ^2/NDF:1517207.4/27

Out: 7906.996+/-1.338 χ^2/NDF:1809067.2/32

All: 8023.736+/-0.970 χ^2/NDF: 3342336.0/60


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
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: -167.588+/-741.411 χ²/NDF:12.4/13
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3758.883+/-764.760 χ²/NDF:6.1/11
Left: 1734.792+/-532.320 χ²/NDF: 32.1/25
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 3960.893+/-596.200 χ²/NDF:15.2/27
Out: 756.876+/-577.805 χ²/NDF:31.2/32
All: 2308.696+/-414.921 χ²/NDF: 61.3/60

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2478.362+/-0.524 χ^2/NDF:79733.1/13

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2458.640+/-0.541 χ^2/NDF:54473.5/11

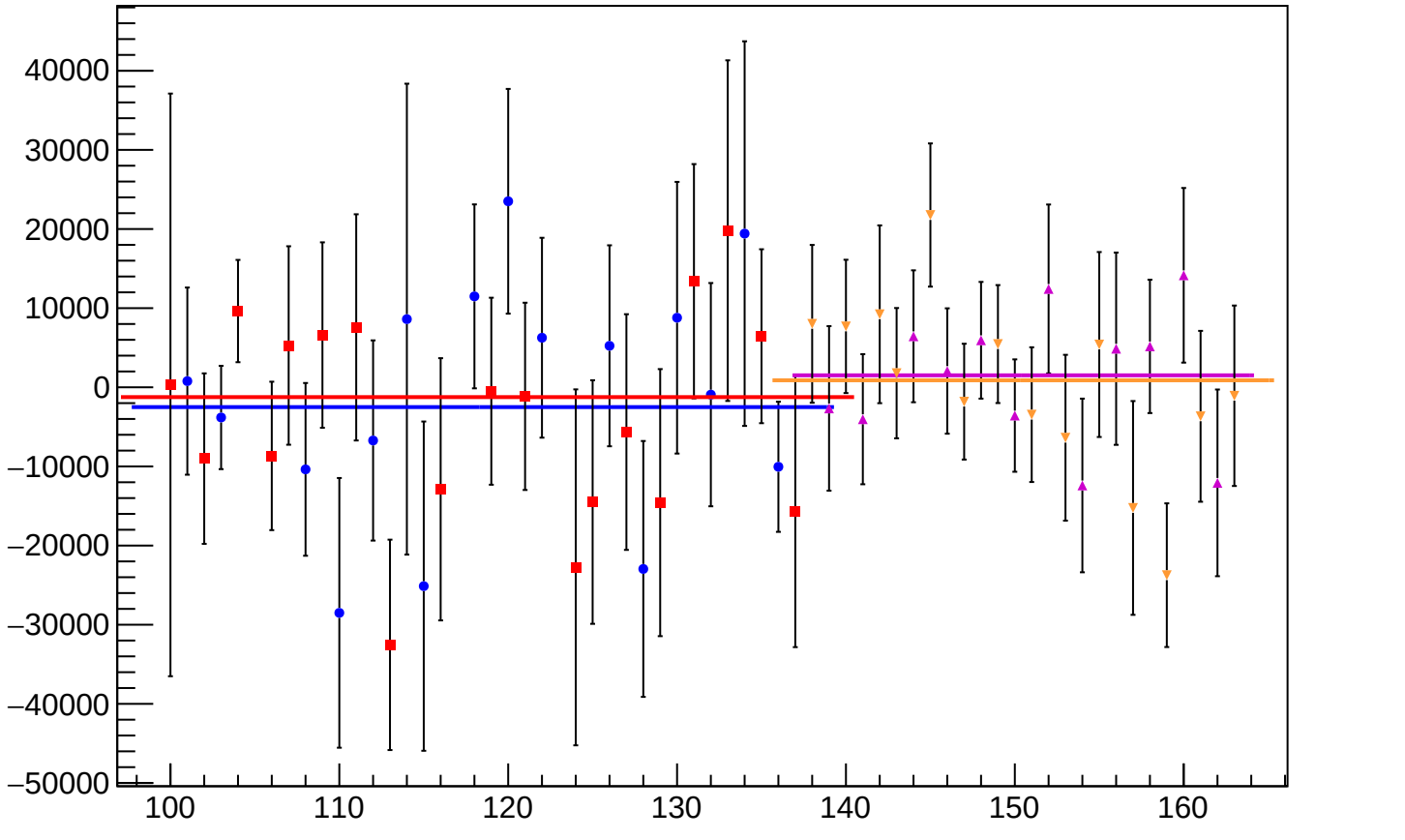
Left: 2468.807+/-0.376 χ^2/NDF: 134892.3/25

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2478.184+/-0.422 χ^2/NDF:669391.2/27

Out: 2467.087+/-0.409 χ^2/NDF:517757.7/32

All: 2472.462+/-0.293 χ^2/NDF: 1187506.1/60



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 885.076+/-2501.072 χ^2/NDF:17.5/13

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1514.050+/-2617.355 χ^2/NDF:7.4/11

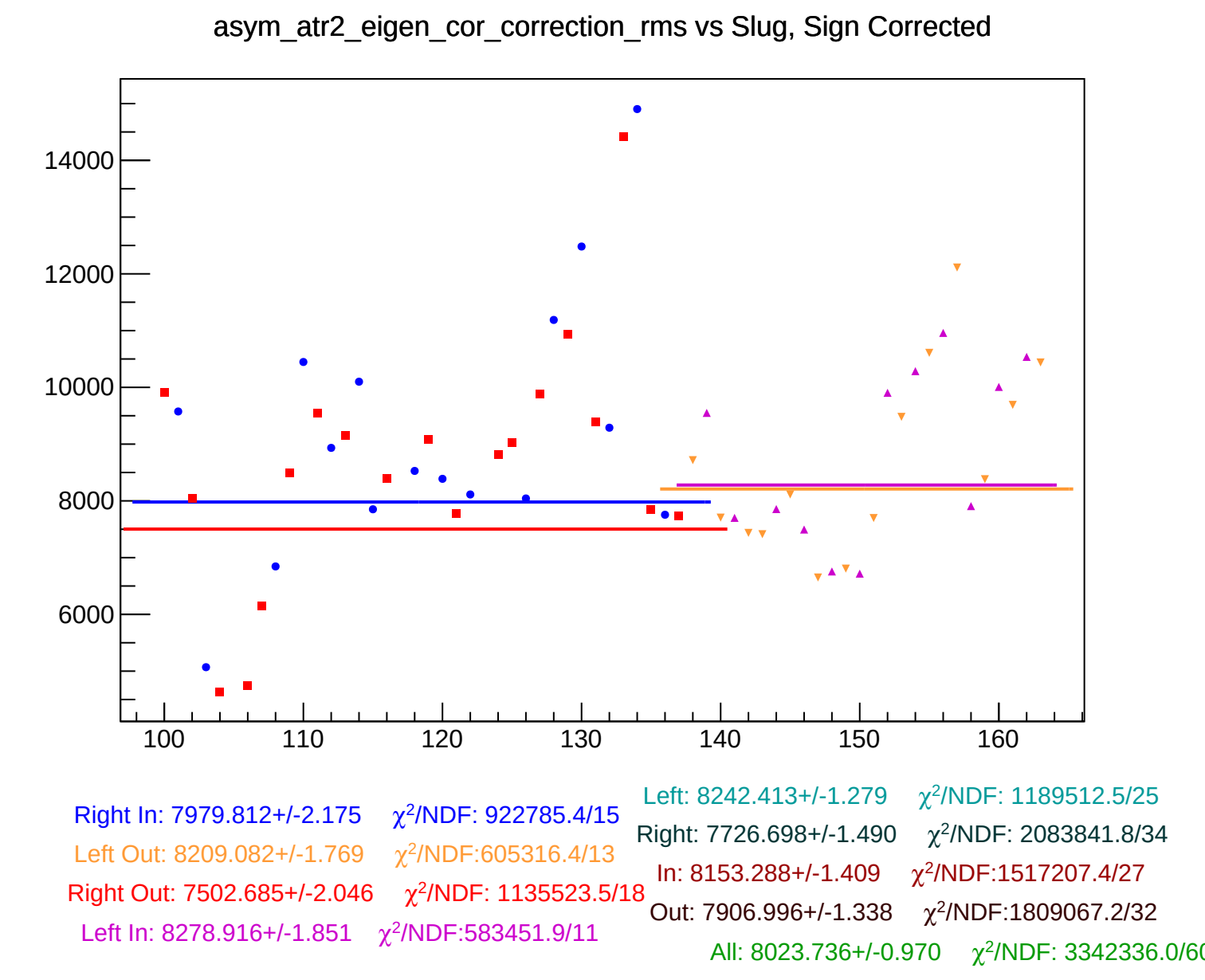
Left: 1185.281+/-1808.237 χ^2/NDF: 24.9/25

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

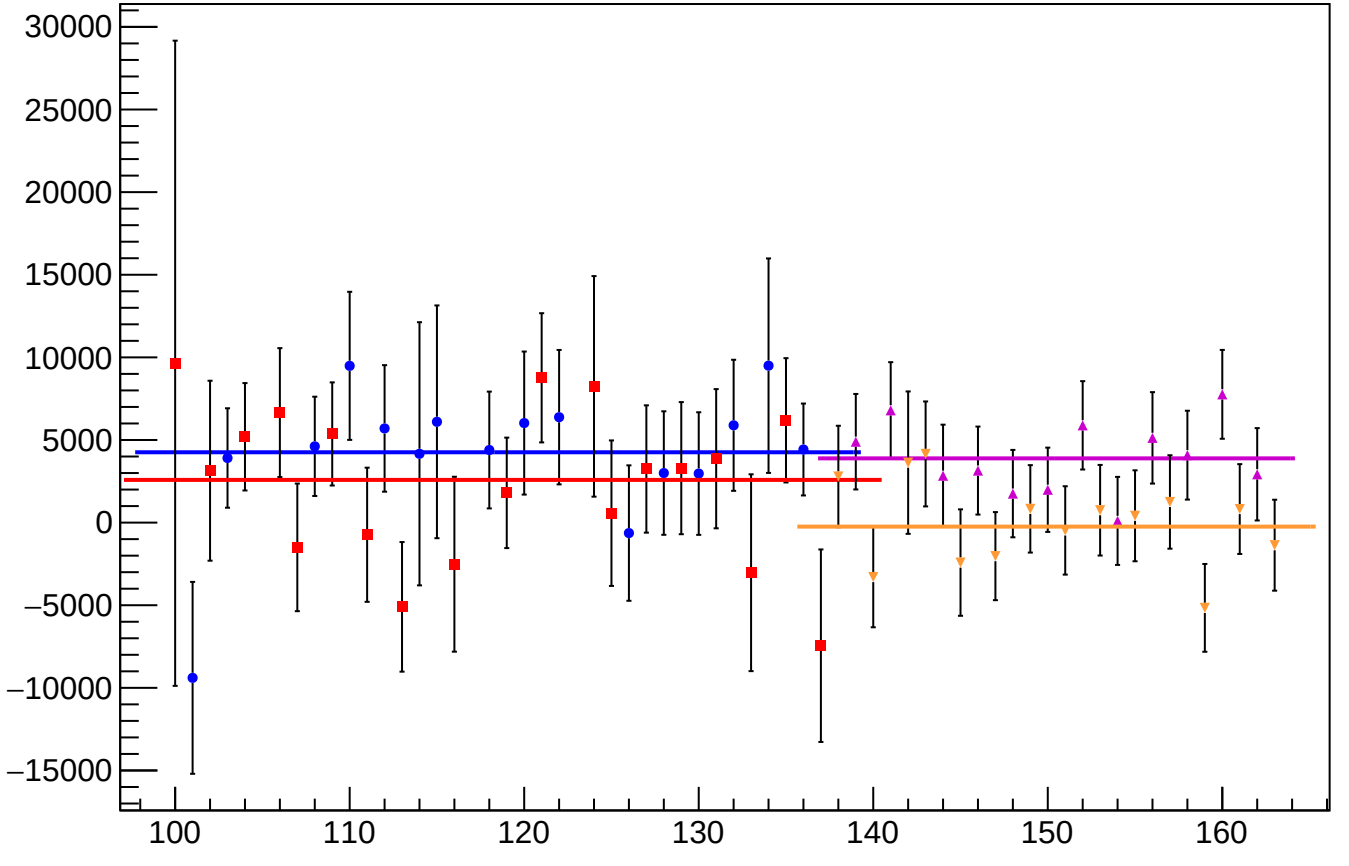
In: -172.067+/-1993.294 χ^2/NDF:22.2/27

Out: -23.656+/-1892.166 χ^2/NDF:34.4/32

All: -94.001+/-1372.322 χ^2/NDF: 56.5/60


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8209.082+/-1.769 χ²/NDF:605316.4/13
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8278.916+/-1.851 χ²/NDF:583451.9/11
Left: 8242.413+/-1.279 χ²/NDF: 1189512.5/25
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8153.288+/-1.409 χ²/NDF:1517207.4/27
Out: 7906.996+/-1.338 χ²/NDF:1809067.2/32
All: 8023.736+/-0.970 χ²/NDF: 3342336.0/60

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: -241.874+/-770.064 χ^2/NDF:10.0/13

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3887.861+/-791.465 χ^2/NDF:7.5/11

Left: 1766.406+/-551.929 χ^2/NDF: 31.5/25

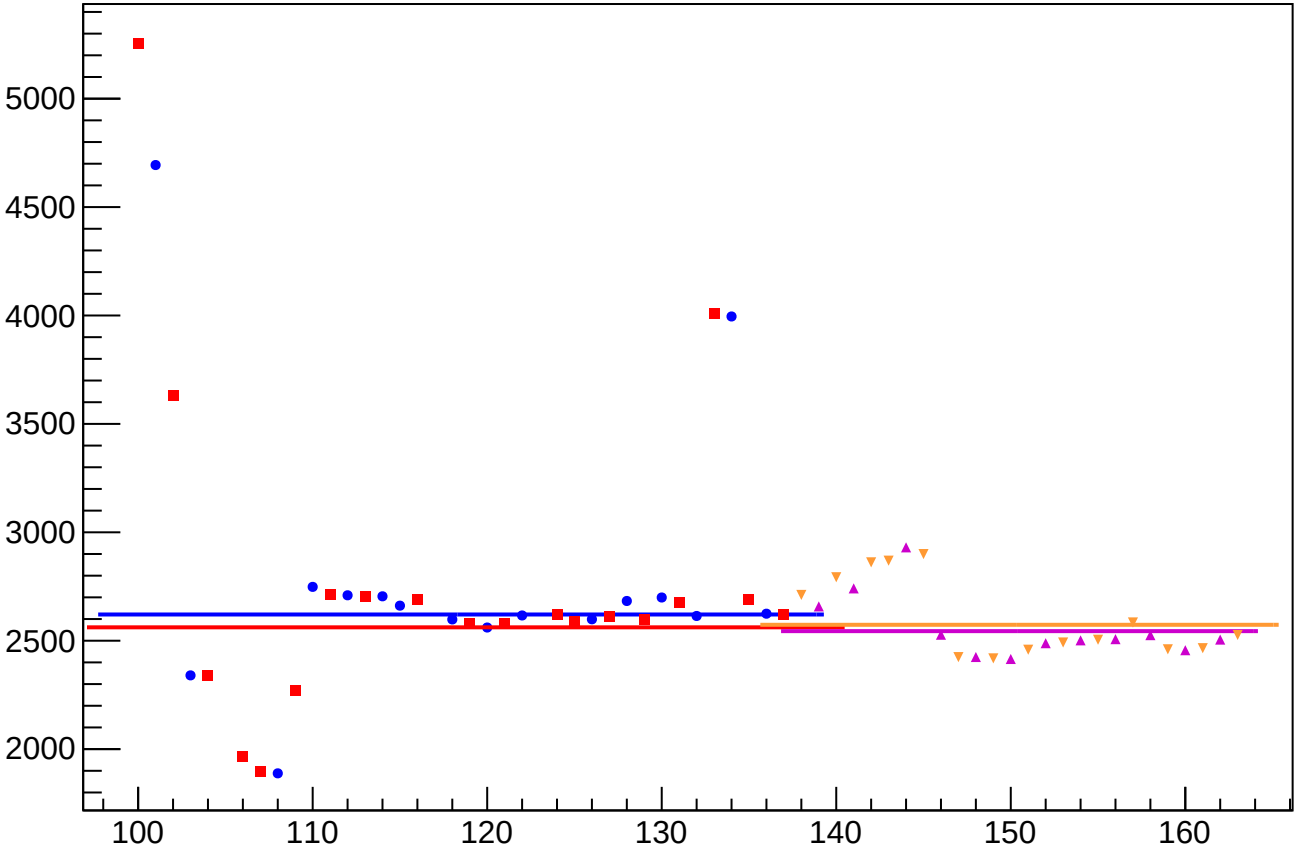
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4031.691+/-618.325 χ^2/NDF:17.6/27

Out: 856.341+/-602.162 χ^2/NDF:32.9/32

All: 2401.972+/-431.394 χ^2/NDF: 64.0/60

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2573.440+/-0.545 χ^2/NDF:88423.8/13

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2544.168+/-0.560 χ^2/NDF:57153.6/11

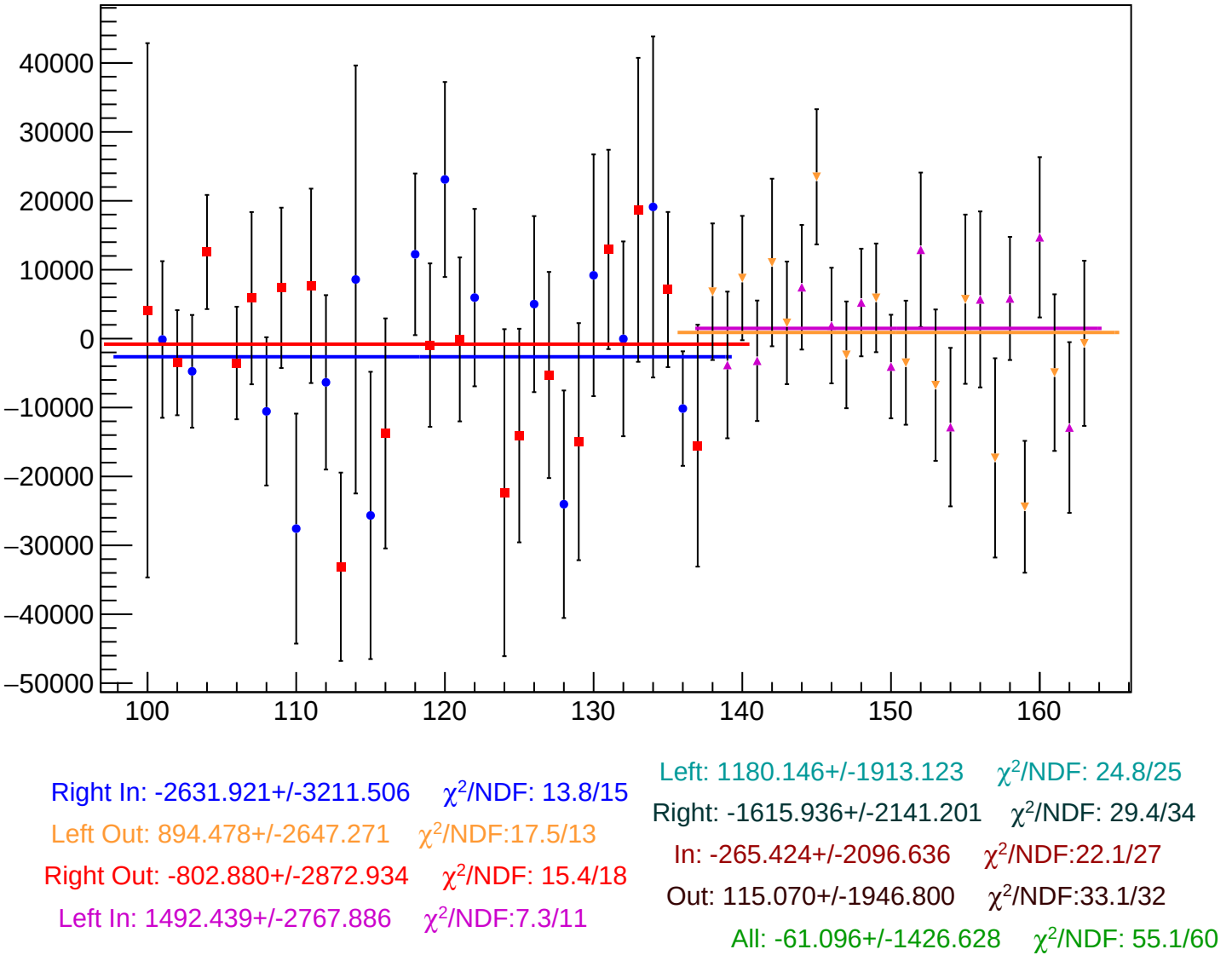
Left: 2559.205+/-0.390 χ^2/NDF: 146982.8/25

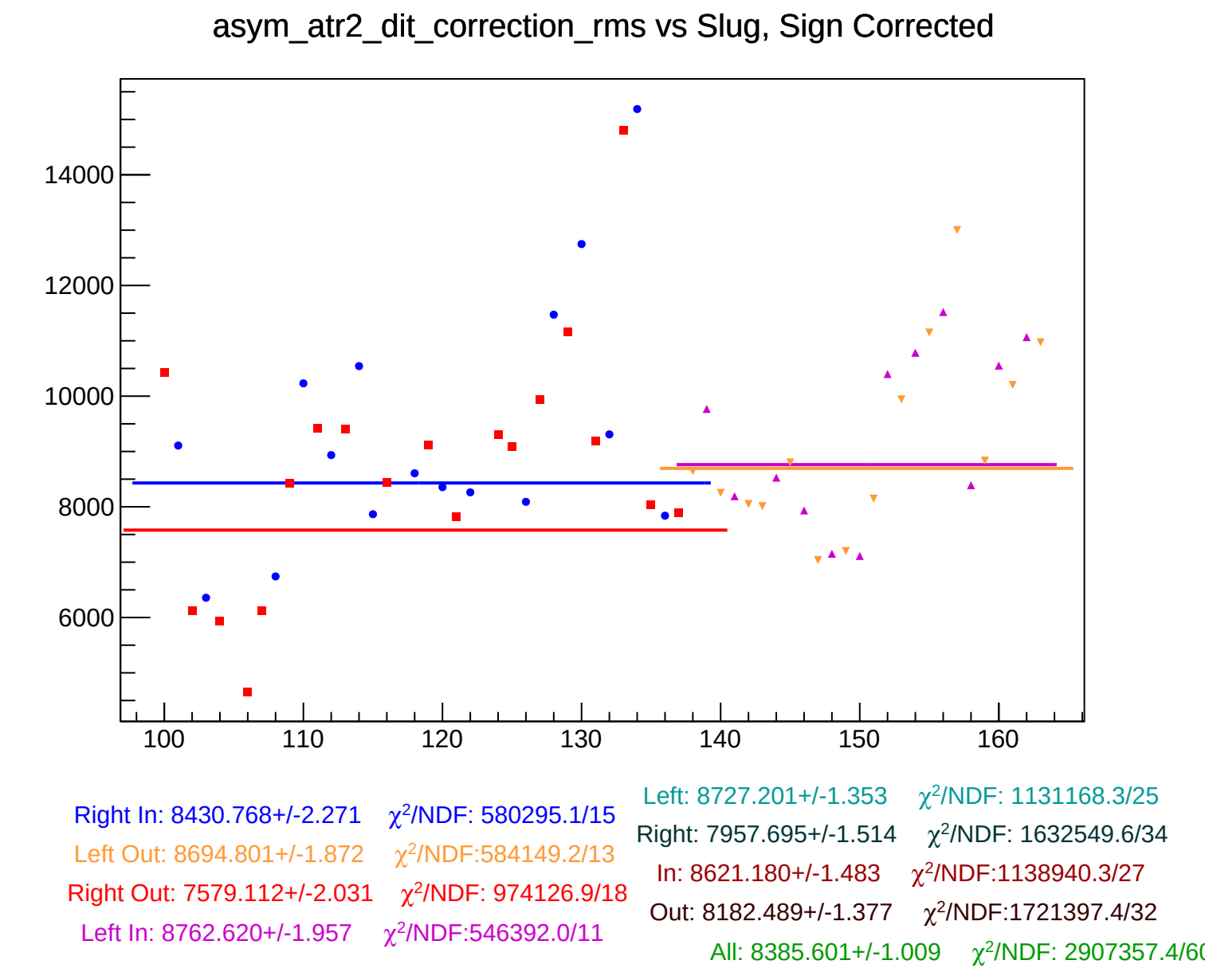
Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2574.092+/-0.437 χ^2/NDF:550404.9/27

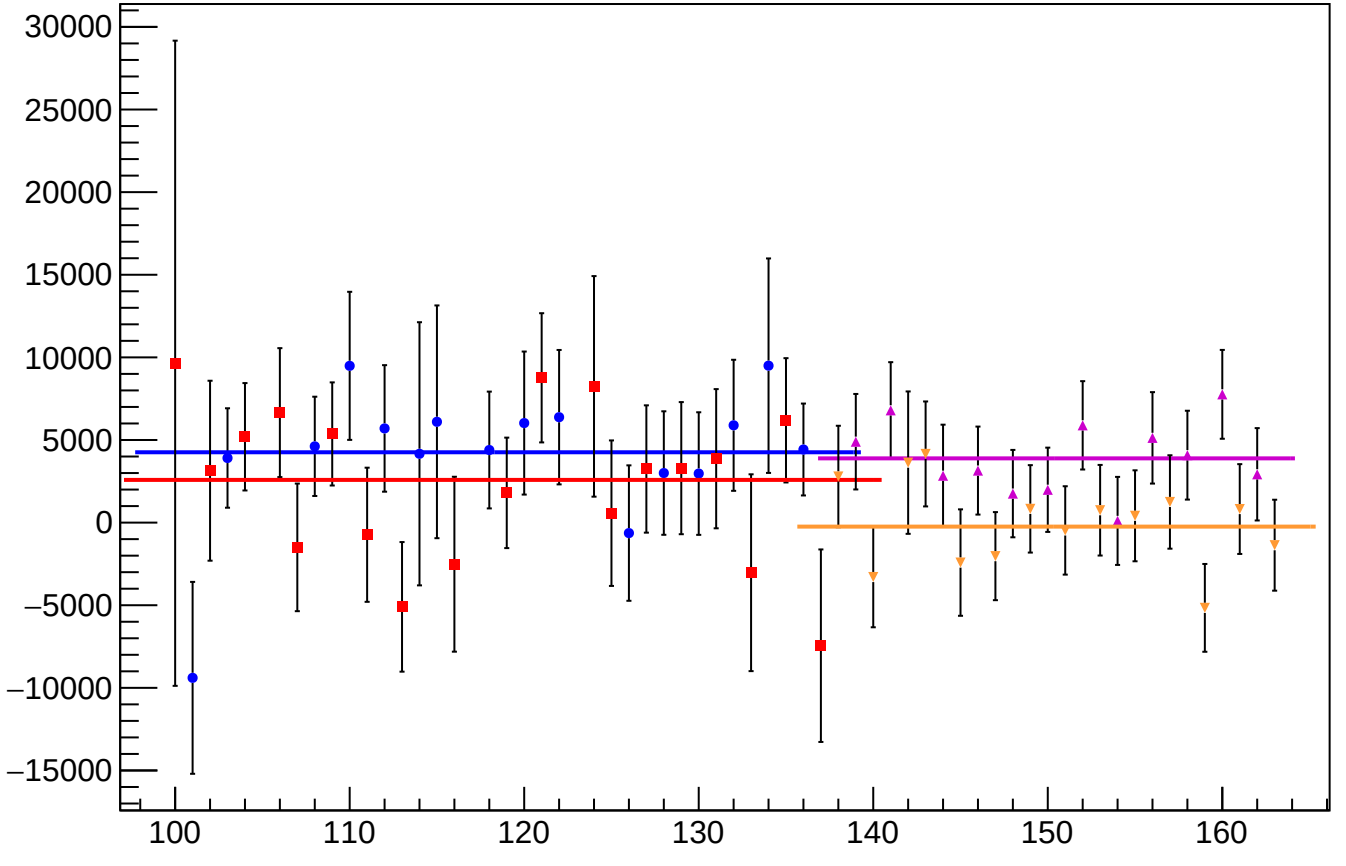
Out: 2568.882+/-0.426 χ^2/NDF:466863.5/32

All: 2571.418+/-0.305 χ^2/NDF: 1017341.3/60


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -2631.921+/-3211.506 χ²/NDF: 13.8/15
Left Out: 894.478+/-2647.271 χ²/NDF:17.5/13
Right Out: -802.880+/-2872.934 χ²/NDF: 15.4/18
Left In: 1492.439+/-2767.886 χ²/NDF:7.3/11
Left: 1180.146+/-1913.123 χ²/NDF: 24.8/25
Right: -1615.936+/-2141.201 χ²/NDF: 29.4/34
In: -265.424+/-2096.636 χ²/NDF:22.1/27
Out: 115.070+/-1946.800 χ²/NDF:33.1/32
All: -61.096+/-1426.628 χ²/NDF: 55.1/60


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8694.801+/-1.872 χ²/NDF:584149.2/13
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8762.620+/-1.957 χ²/NDF:546392.0/11
Left: 8727.201+/-1.353 χ²/NDF: 1131168.3/25
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8621.180+/-1.483 χ²/NDF:1138940.3/27
Out: 8182.489+/-1.377 χ²/NDF:1721397.4/32
All: 8385.601+/-1.009 χ²/NDF: 2907357.4/60

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: -241.896+/-770.065 χ^2/NDF:10.0/13

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3887.860+/-791.466 χ^2/NDF:7.5/11

Left: 1766.395+/-551.929 χ^2/NDF: 31.5/25

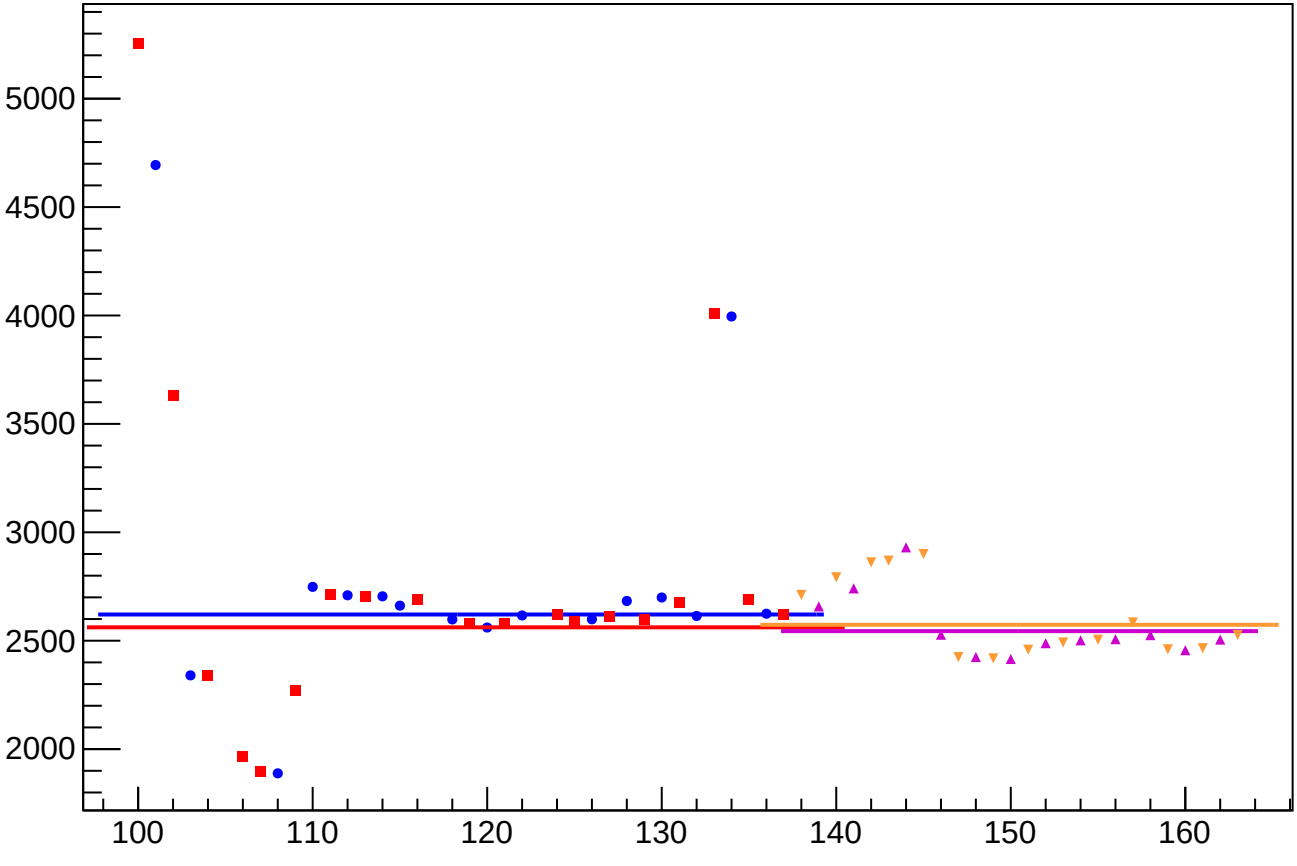
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4031.694+/-618.326 χ^2/NDF:17.6/27

Out: 856.333+/-602.162 χ^2/NDF:32.9/32

All: 2401.969+/-431.394 χ^2/NDF: 64.0/60

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2573.443+/-0.545 χ^2/NDF:88423.6/13

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2544.170+/-0.560 χ^2/NDF:57153.2/11

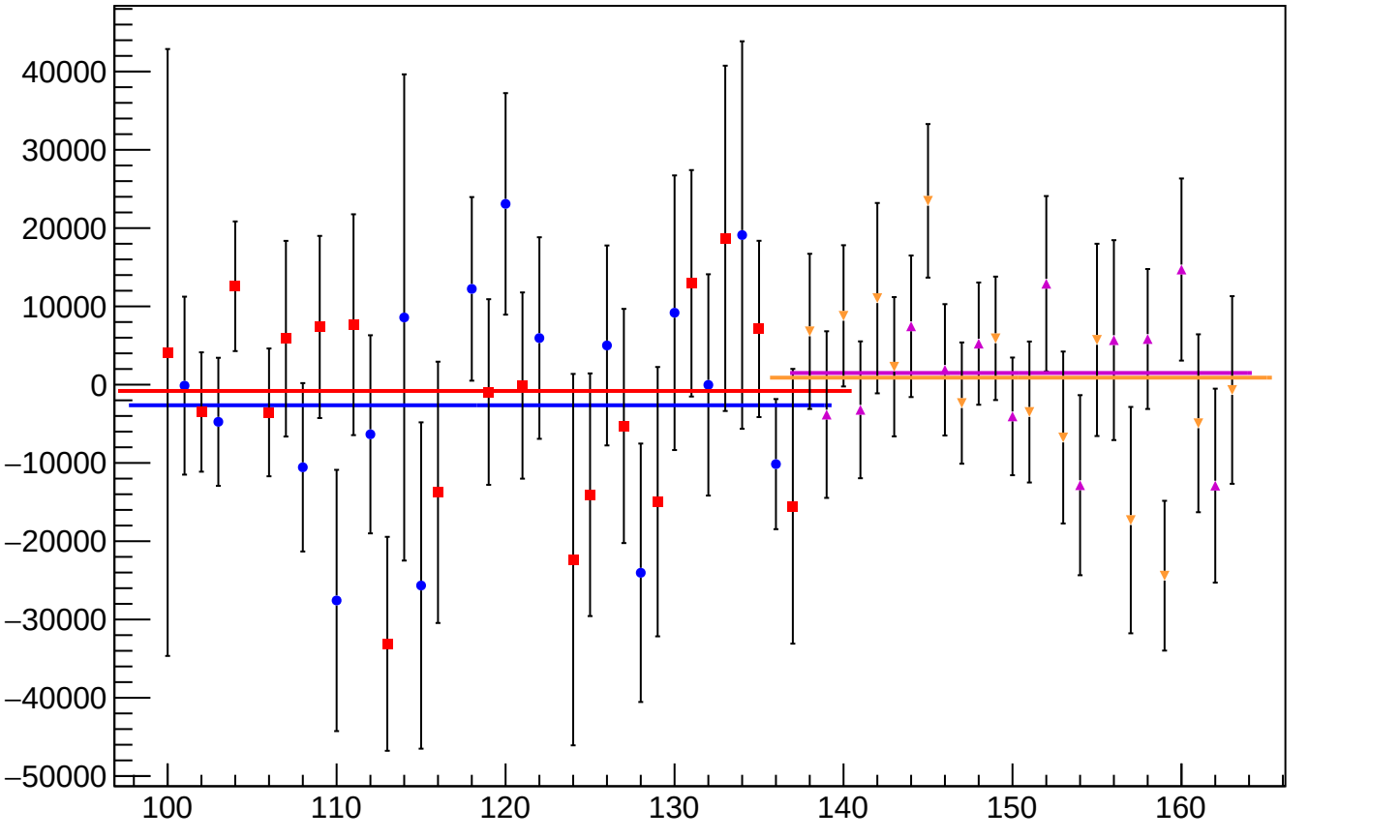
Left: 2559.207+/-0.390 χ^2/NDF: 146982.2/25

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2574.093+/-0.437 χ^2/NDF:550404.2/27

Out: 2568.884+/-0.426 χ^2/NDF:466862.8/32

All: 2571.419+/-0.305 χ^2/NDF: 1017339.8/60



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 894.469+/-2647.275 χ^2/NDF:17.5/13

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1492.437+/-2767.890 χ^2/NDF:7.3/11

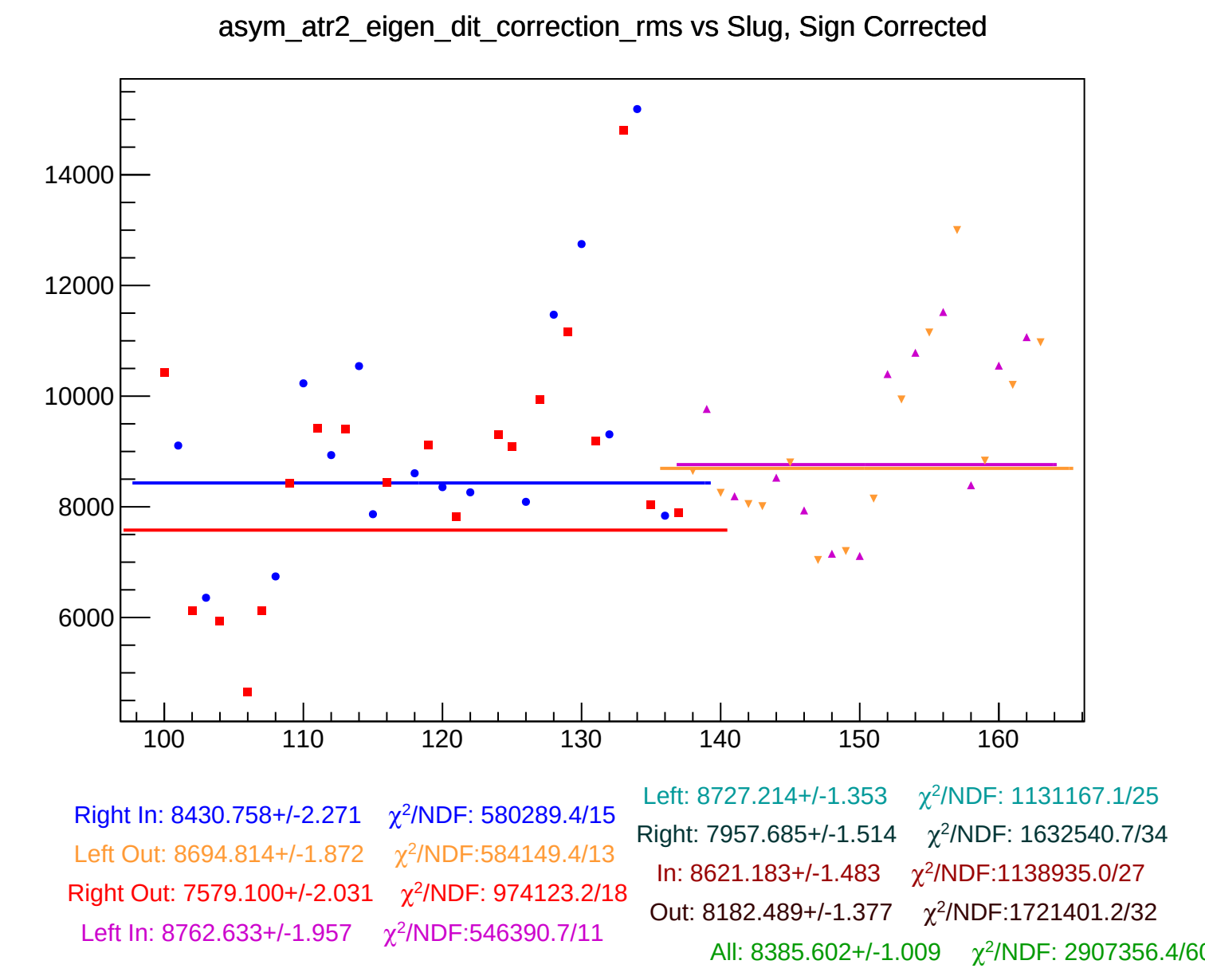
Left: 1180.141+/-1913.126 χ^2/NDF: 24.8/25

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

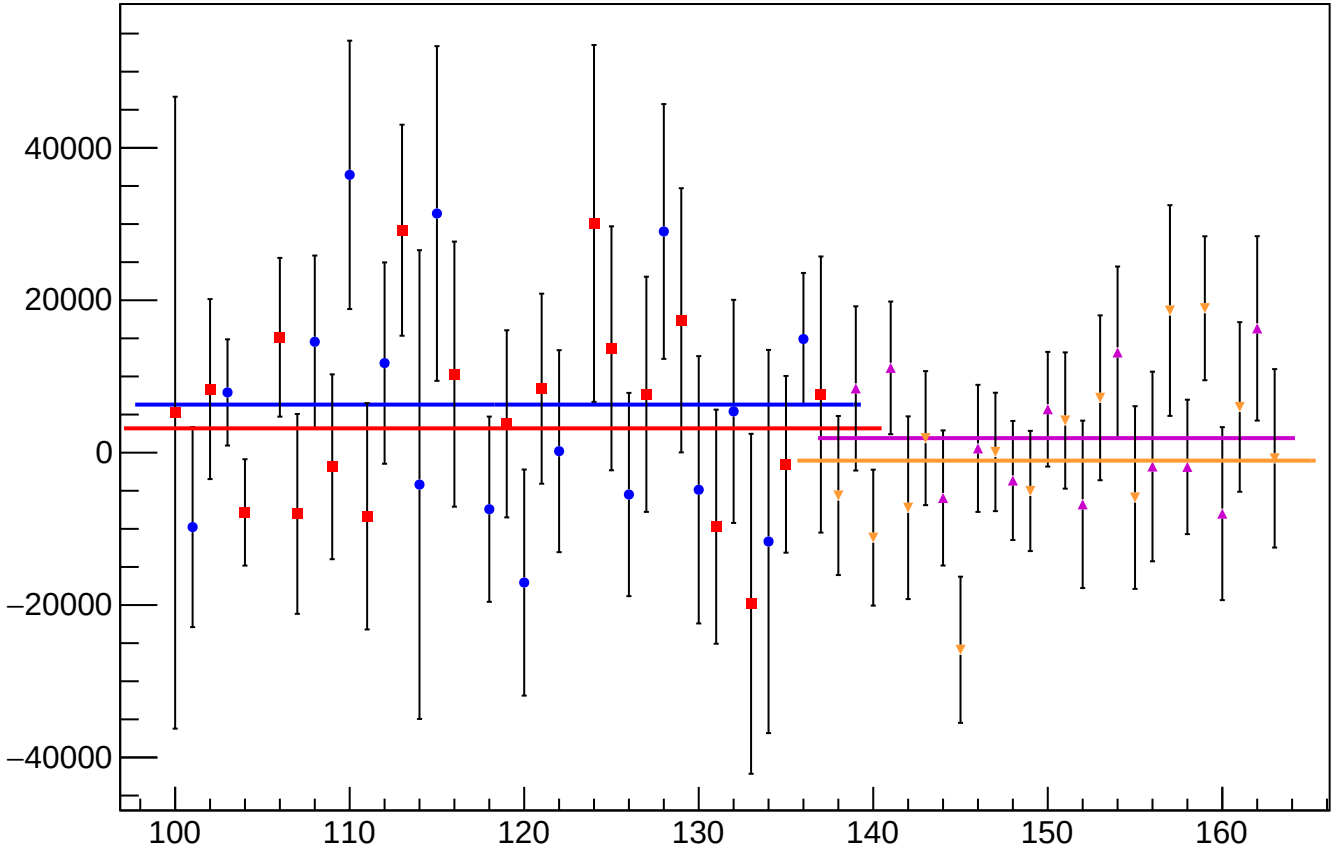
In: -265.416+/-2096.636 χ^2/NDF:22.1/27

Out: 115.065+/-1946.800 χ^2/NDF:33.1/32

All: -61.095+/-1426.628 χ^2/NDF: 55.1/60


asym_atr2_eigen_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8430.758+/-2.271 χ²/NDF: 580289.4/15
Left Out: 8694.814+/-1.872 χ²/NDF:584149.4/13
Right Out: 7579.100+/-2.031 χ²/NDF: 974123.2/18
Left In: 8762.633+/-1.957 χ²/NDF:546390.7/11
Left: 8727.214+/-1.353 χ²/NDF: 1131167.1/25
Right: 7957.685+/-1.514 χ²/NDF: 1632540.7/34
In: 8621.183+/-1.483 χ²/NDF:1138935.0/27
Out: 8182.489+/-1.377 χ²/NDF:1721401.2/32
All: 8385.602+/-1.009 χ²/NDF: 2907356.4/60

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1045.318+/-2626.525 χ^2/NDF:16.8/13

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1906.196+/-2742.040 χ^2/NDF:7.1/11

Left: 366.961+/-1896.756 χ^2/NDF: 24.6/25

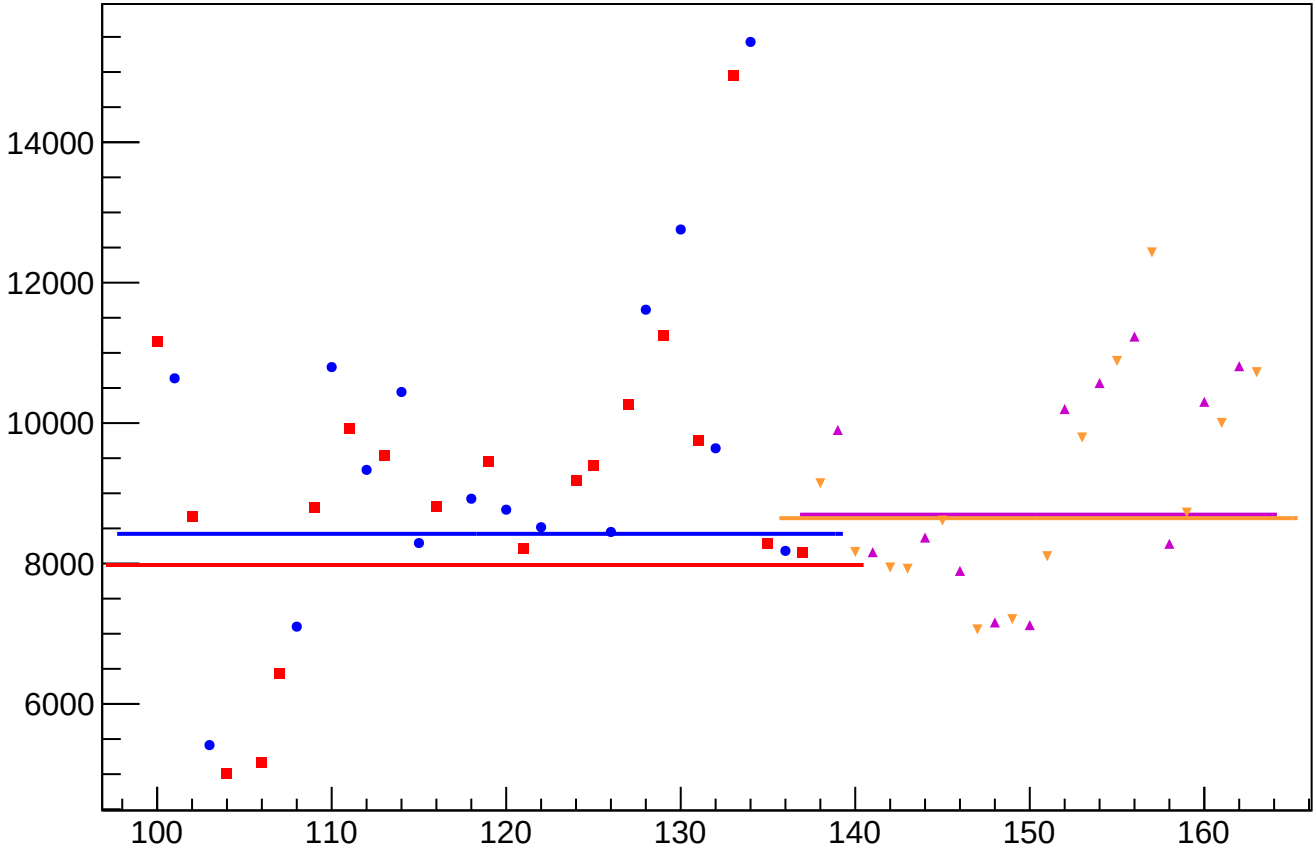
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3742.995+/-2092.996 χ^2/NDF:23.3/27

Out: 745.247+/-1995.408 χ^2/NDF:31.8/32

All: 2172.608+/-1444.234 χ^2/NDF: 56.2/60

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8645.777+/-1.857 χ^2/NDF:522780.0/13

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8695.731+/-1.939 χ^2/NDF:499814.2/11

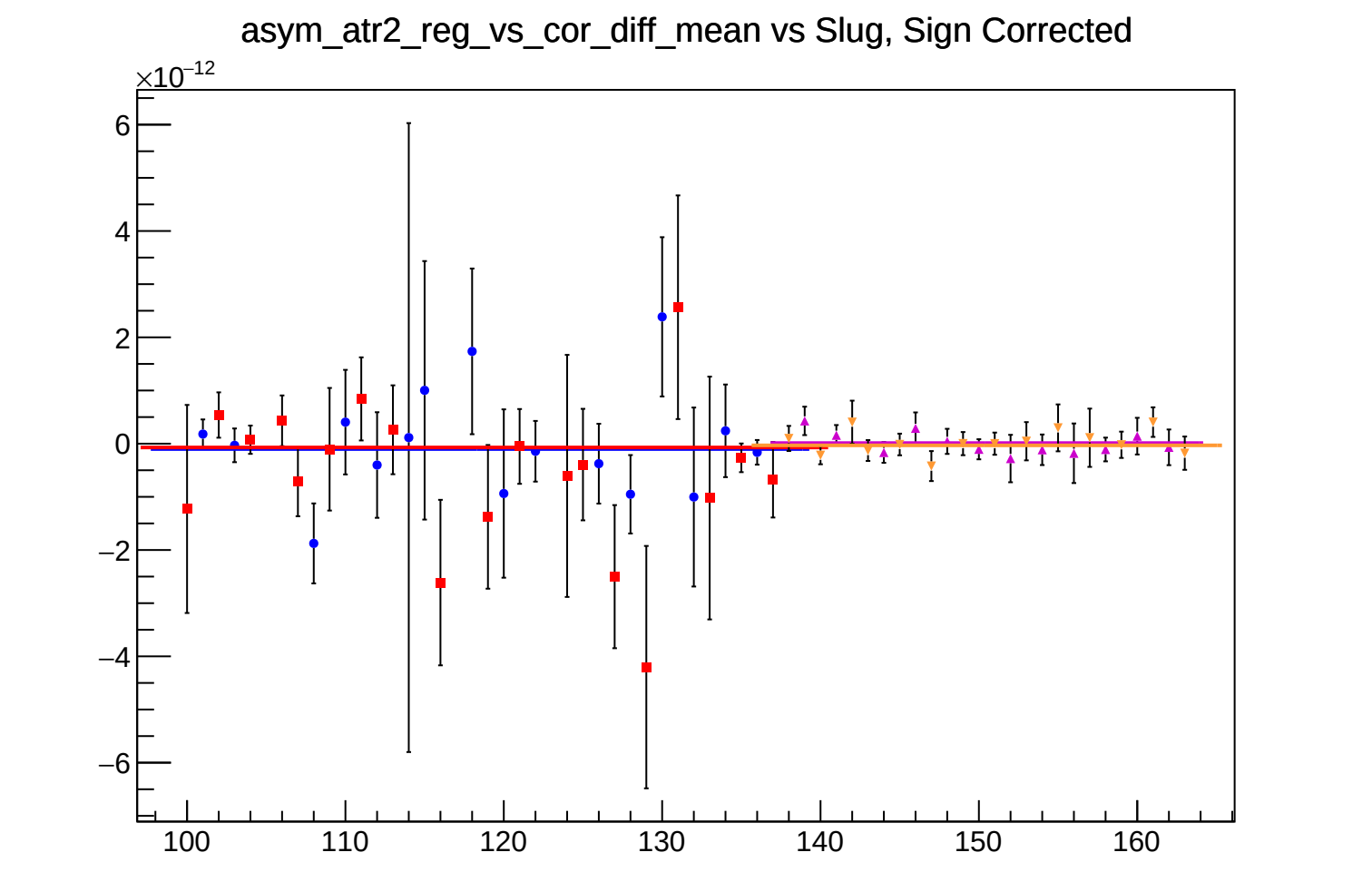
Left: 8669.679+/-1.341 χ^2/NDF: 1022940.3/25

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8581.782+/-1.480 χ^2/NDF:1389923.2/27

Out: 8363.833+/-1.411 χ^2/NDF:1593300.8/32

All: 8467.607+/-1.021 χ^2/NDF: 2994585.0/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/11

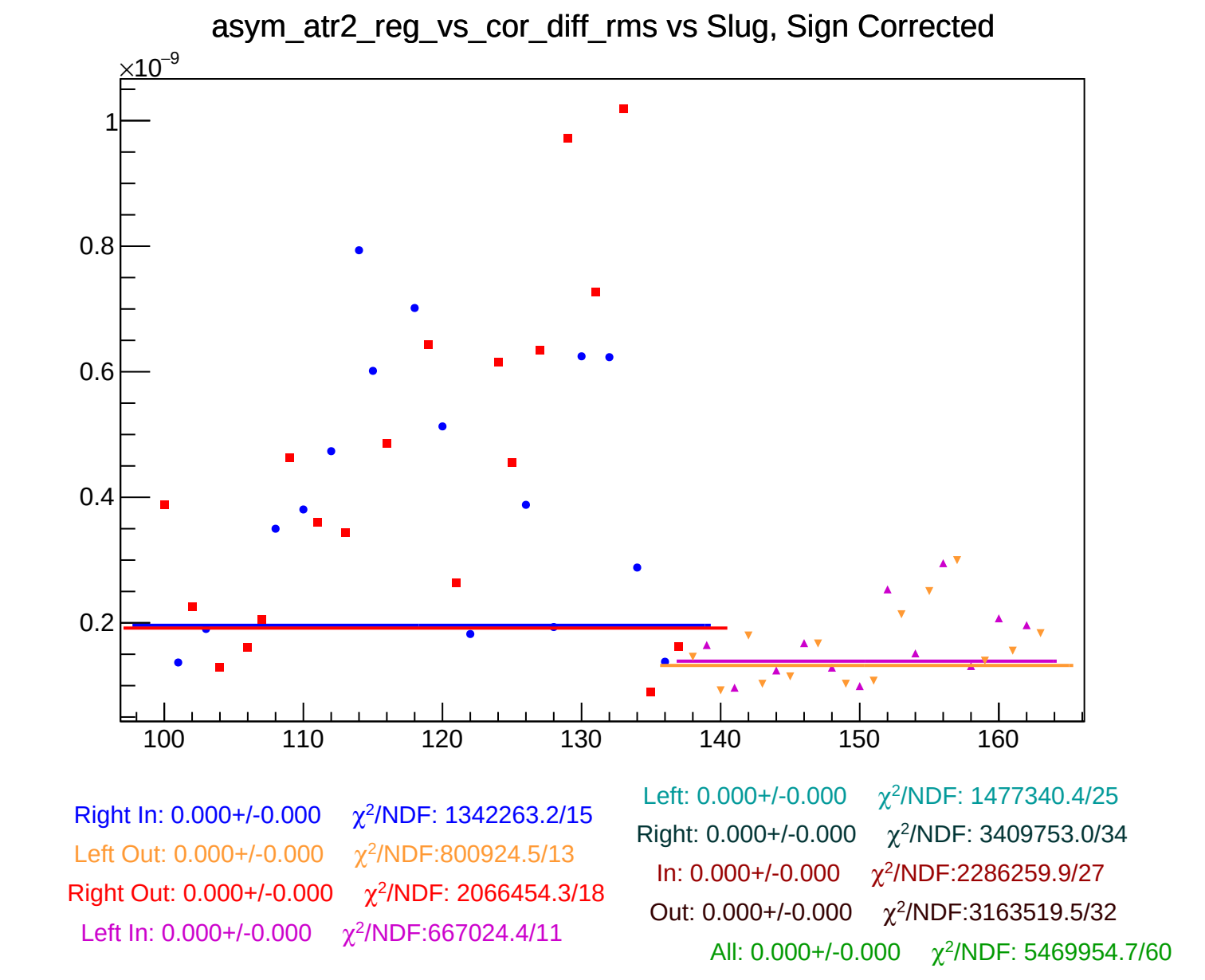
Left: -0.000+/-0.000 χ^2/NDF: 14.7/25

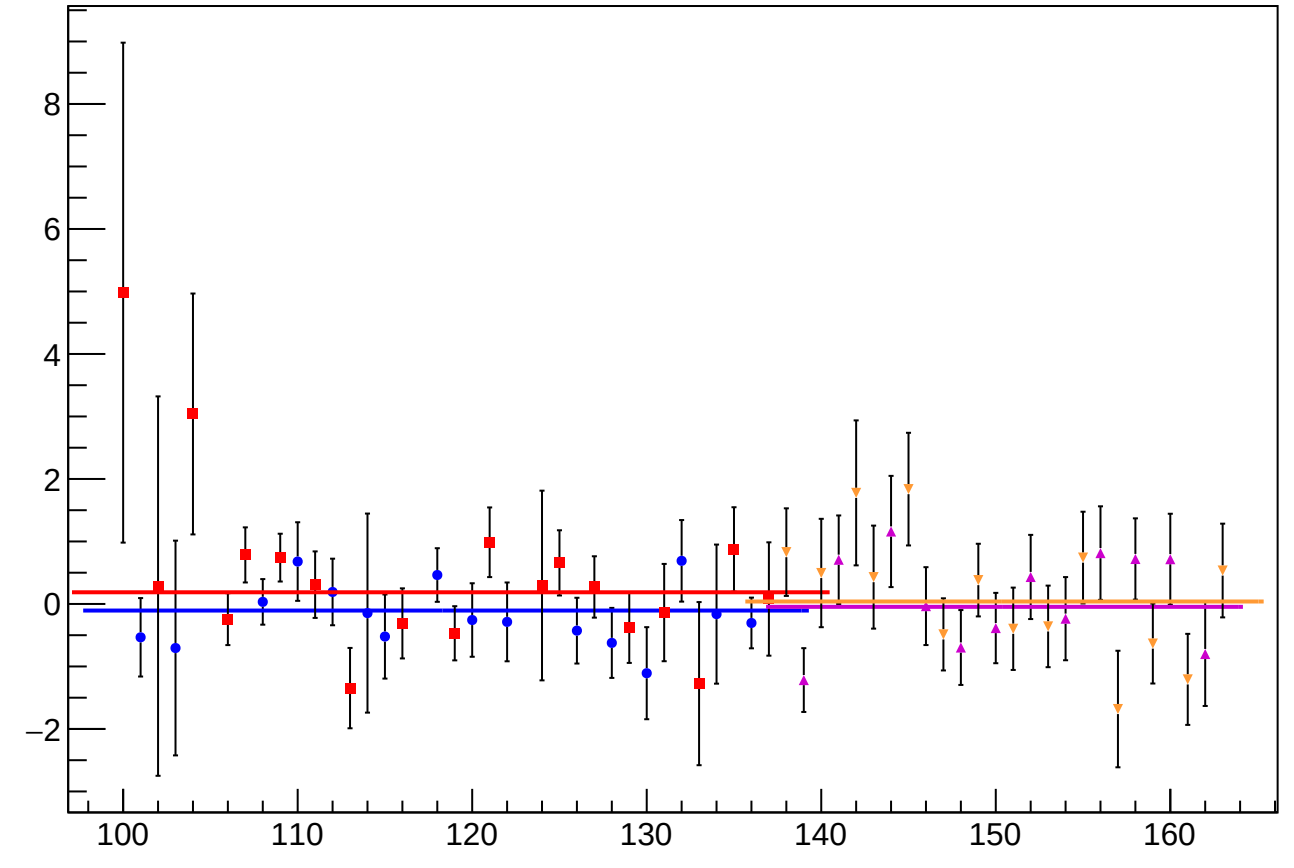
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: -0.000+/-0.000 χ^2/NDF:20.5/27

Out: -0.000+/-0.000 χ^2/NDF:27.9/32

All: -0.000+/-0.000 χ^2/NDF: 48.5/60


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:800924.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:667024.4/11
Left: 0.000+/-0.000 χ²/NDF: 1477340.4/25
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2286259.9/27
Out: 0.000+/-0.000 χ²/NDF:3163519.5/32
All: 0.000+/-0.000 χ²/NDF: 5469954.7/60



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.046+/-0.190 χ^2/NDF:15.0/11

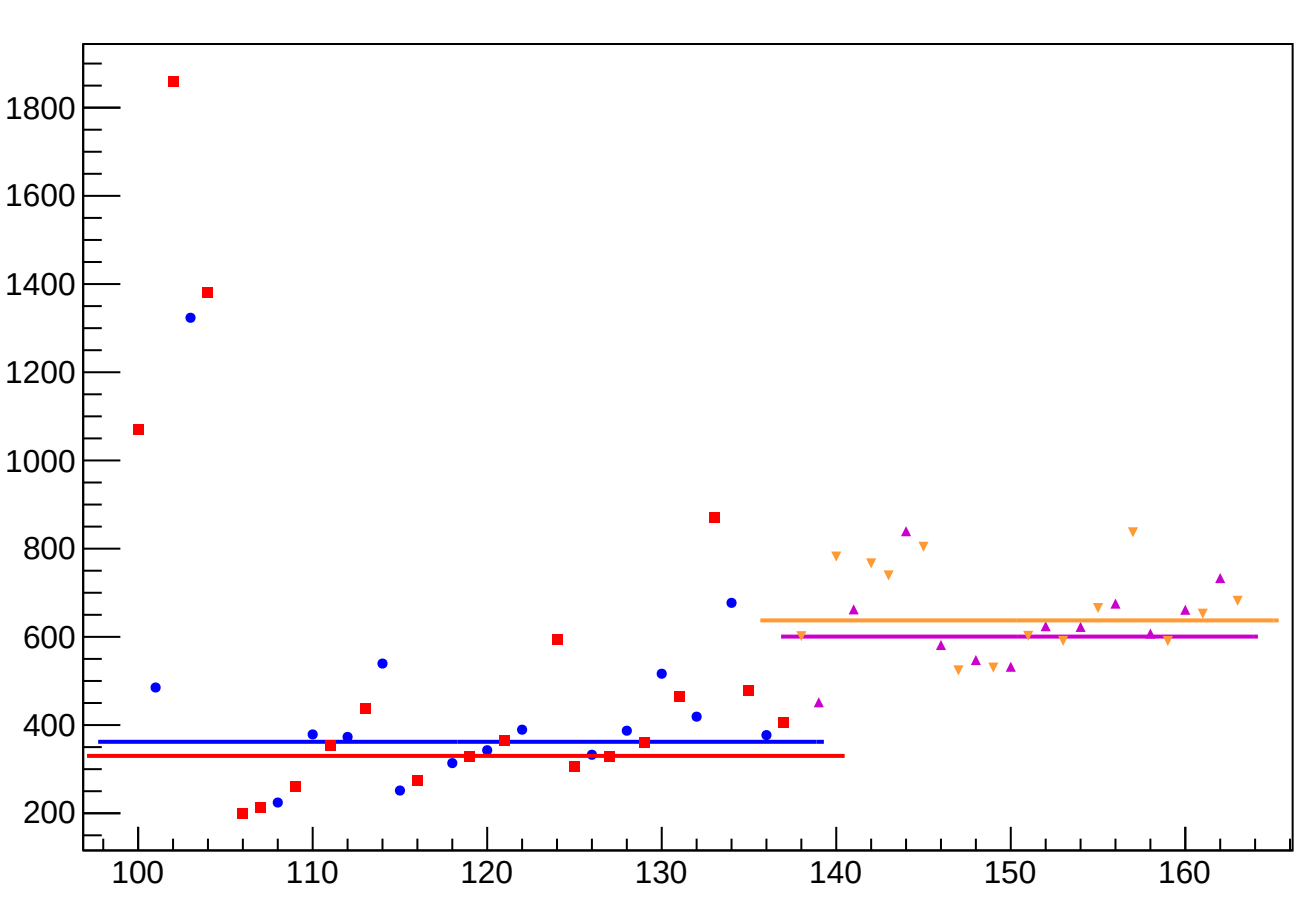
Left: -0.004+/-0.136 χ^2/NDF: 33.9/25

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.084+/-0.115 χ^2/NDF:24.8/27

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.030+/-0.080 χ^2/NDF: 69.7/60



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 600.604+/-0.135 χ^2/NDF:466519.6/11

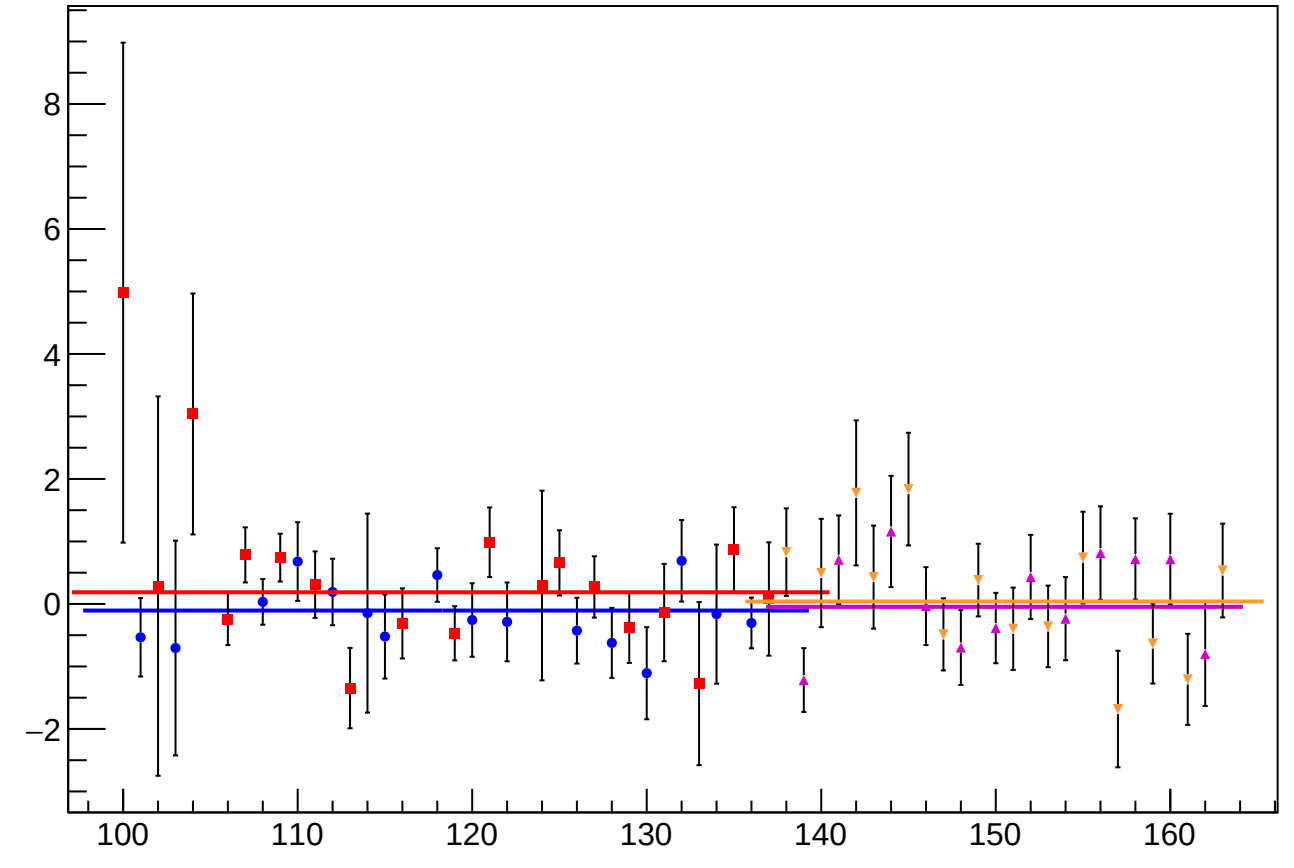
Left: 618.597+/-0.096 χ^2/NDF: 961663.8/25

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 449.329+/-0.081 χ^2/NDF:3833463.5/27

Out: 432.652+/-0.079 χ^2/NDF:6042689.7/32

All: 440.766+/-0.057 χ^2/NDF: 9897669.9/60



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.046+/-0.190 χ^2/NDF:15.0/11

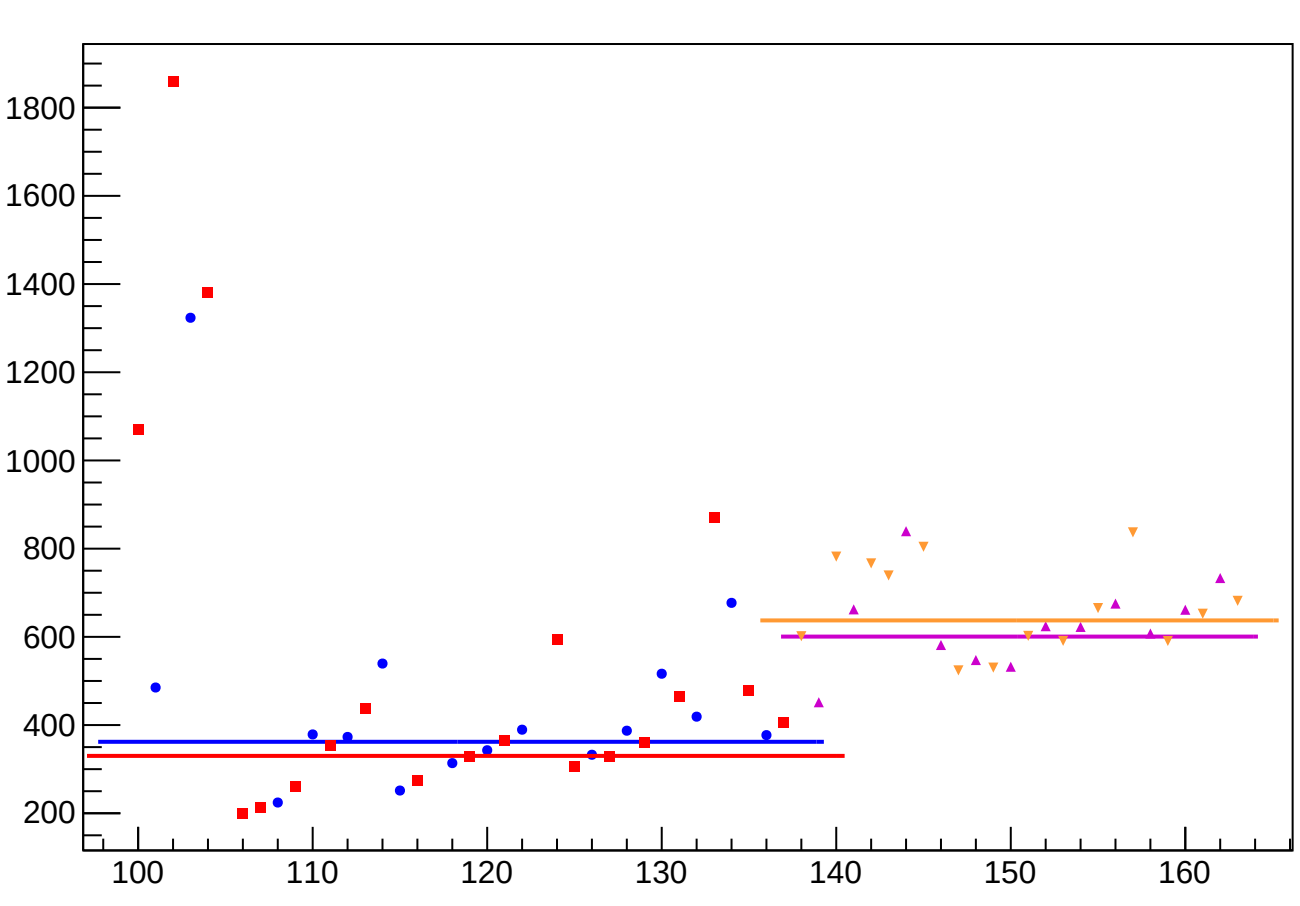
Left: -0.004+/-0.136 χ^2/NDF: 33.9/25

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.084+/-0.115 χ^2/NDF:24.8/27

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.030+/-0.080 χ^2/NDF: 69.7/60



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 637.281+/-0.137 χ^2/NDF:458762.8/13

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 600.604+/-0.135 χ^2/NDF:466519.6/11

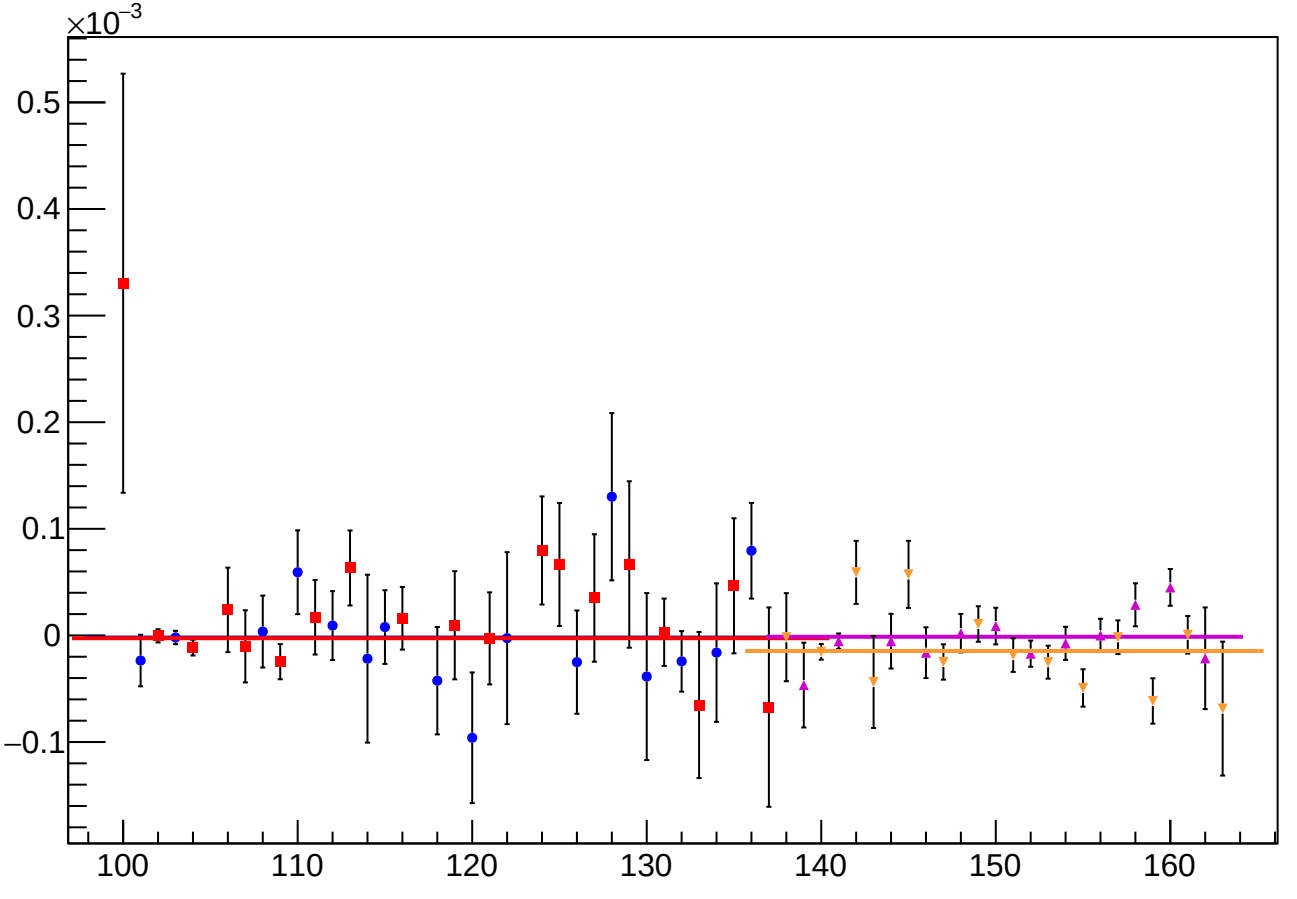
Left: 618.597+/-0.096 χ^2/NDF: 961663.8/25

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 449.329+/-0.081 χ^2/NDF:3833463.5/27

Out: 432.652+/-0.079 χ^2/NDF:6042689.7/32

All: 440.766+/-0.057 χ^2/NDF: 9897669.9/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/11

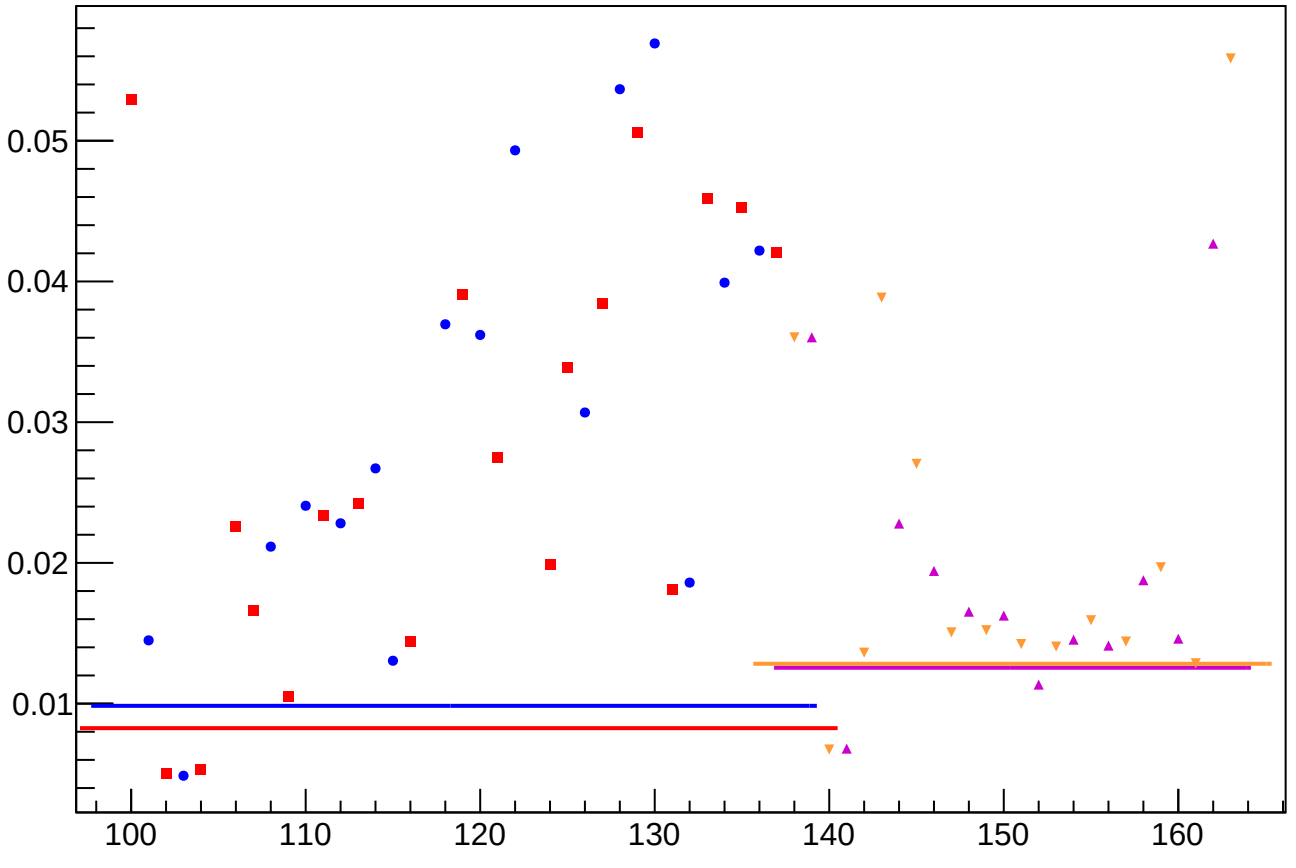
Left: -0.000+/-0.000 χ^2/NDF: 44.5/25

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:27.6/27

Out: -0.000+/-0.000 χ^2/NDF:48.1/32

All: -0.000+/-0.000 χ^2/NDF: 77.9/60



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:4475601.5/13

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:3722782.3/11

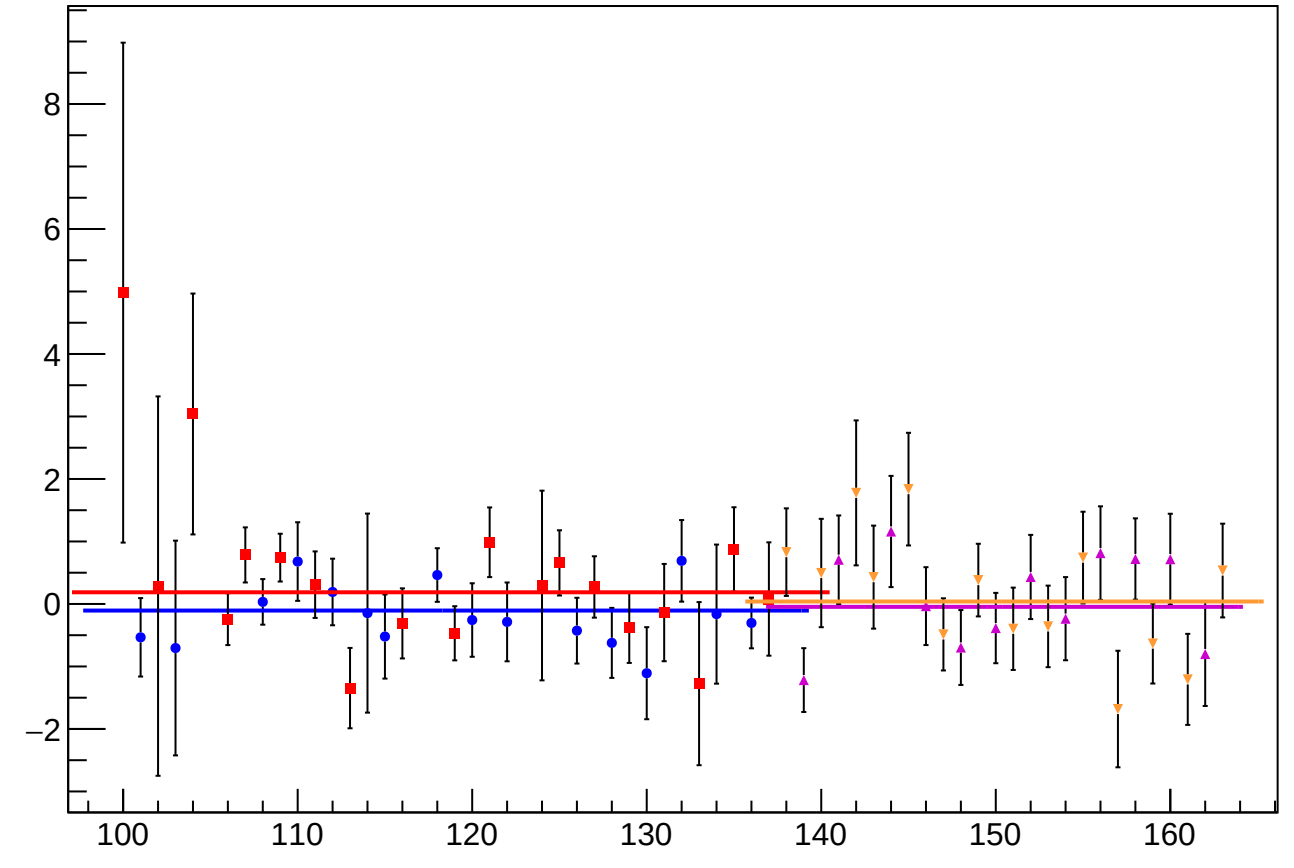
Left: 0.013+/-0.000 χ^2/NDF: 8202389.5/25

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:11074392.4/27

Out: 0.010+/-0.000 χ^2/NDF:12325153.0/32

All: 0.011+/-0.000 χ^2/NDF: 23501362.2/60



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.046+/-0.190 χ^2/NDF:15.0/11

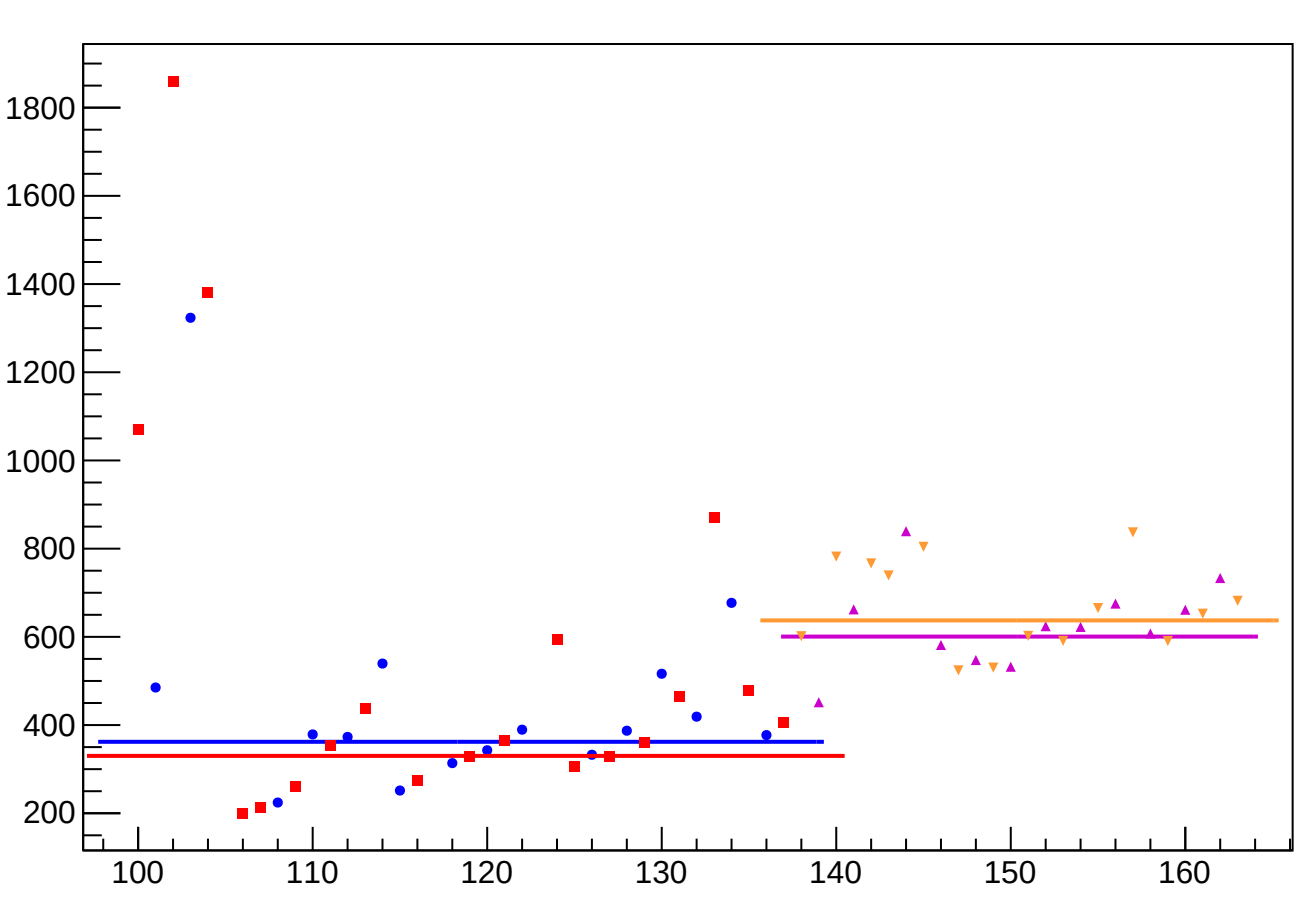
Left: -0.004+/-0.136 χ^2/NDF: 33.9/25

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.084+/-0.115 χ^2/NDF:24.8/27

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.030+/-0.080 χ^2/NDF: 69.7/60



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.291+/-0.137 χ^2/NDF:458751.2/13

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 600.613+/-0.135 χ^2/NDF:466506.0/11

Left: 618.607+/-0.096 χ^2/NDF: 961640.7/25

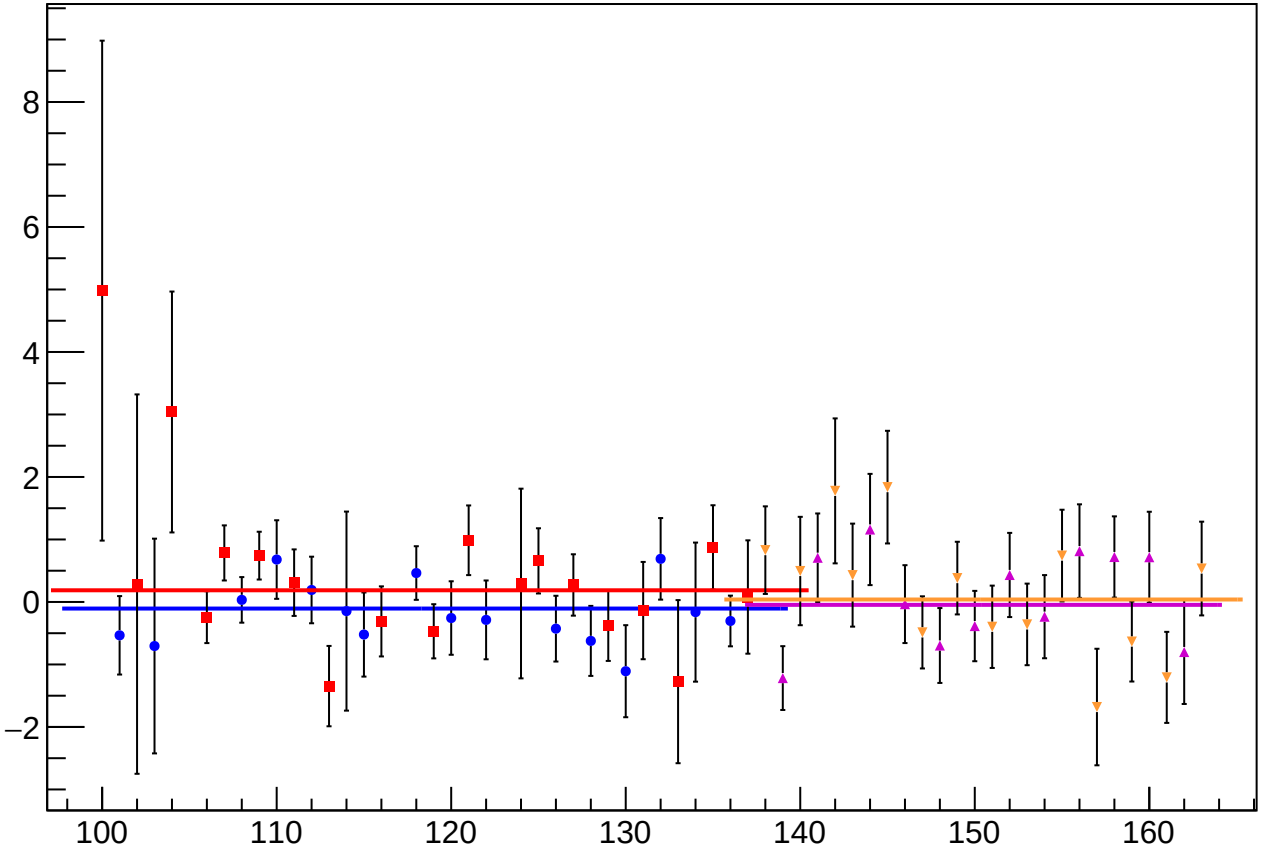
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 449.328+/-0.081 χ^2/NDF:3833616.0/27

Out: 432.652+/-0.079 χ^2/NDF:6042859.3/32

All: 440.765+/-0.057 χ^2/NDF: 9897990.2/60

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: 0.039+/-0.194 χ^2/NDF:18.8/13

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.046+/-0.190 χ^2/NDF:15.0/11

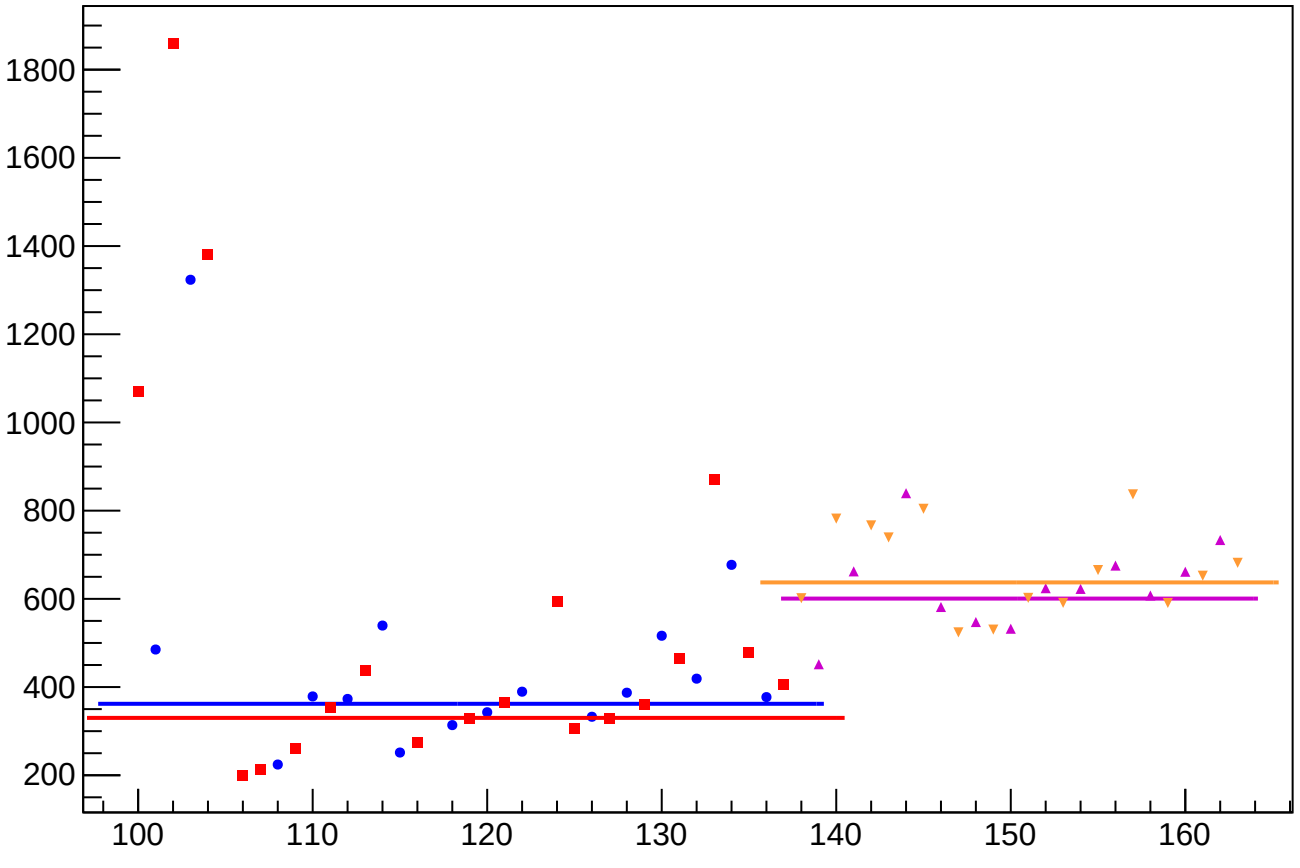
Left: -0.004+/-0.136 χ^2/NDF: 33.9/25

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.084+/-0.115 χ^2/NDF:24.8/27

Out: 0.138+/-0.112 χ^2/NDF:43.0/32

All: 0.030+/-0.080 χ^2/NDF: 69.7/60



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 637.291+/-0.137 χ^2/NDF:458751.2/13

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 600.613+/-0.135 χ^2/NDF:466506.0/11

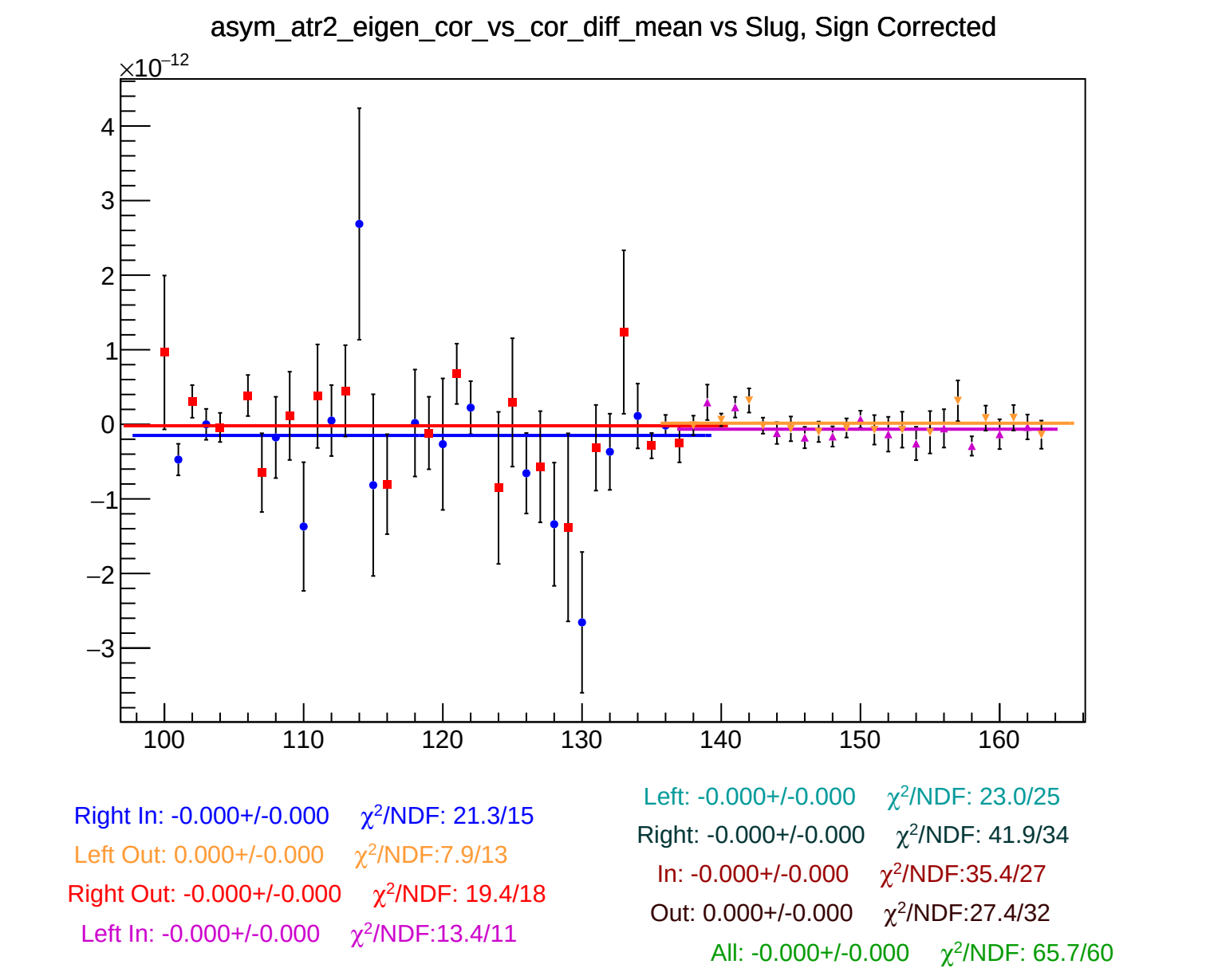
Left: 618.607+/-0.096 χ^2/NDF: 961640.7/25

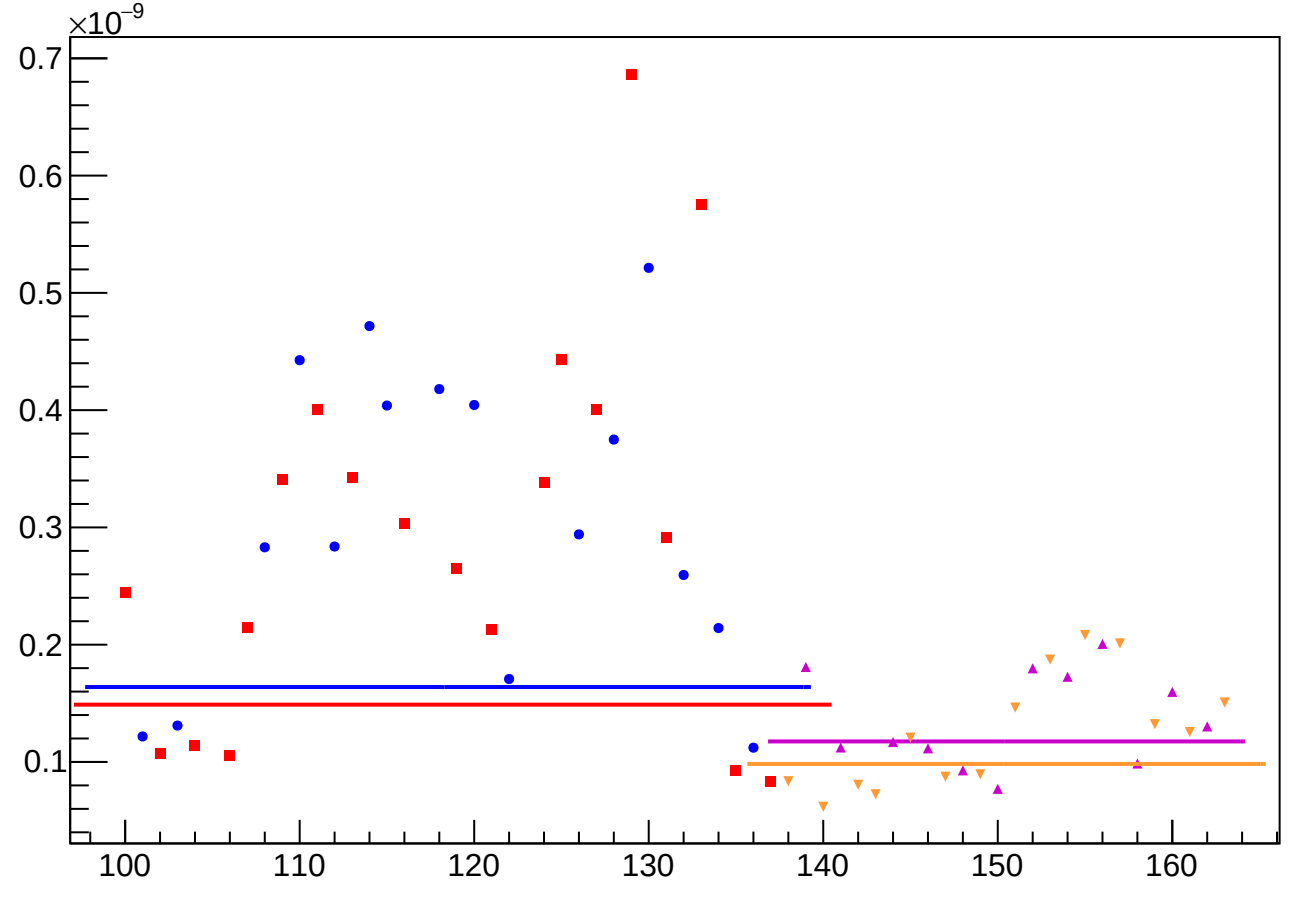
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 449.328+/-0.081 χ^2/NDF:3833616.0/27

Out: 432.652+/-0.079 χ^2/NDF:6042859.3/32

All: 440.765+/-0.057 χ^2/NDF: 9897990.2/60


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/11
Left: -0.000+/-0.000 χ²/NDF: 23.0/25
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:35.4/27
Out: 0.000+/-0.000 χ²/NDF:27.4/32
All: -0.000+/-0.000 χ²/NDF: 65.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1854094.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1084477.5/11

Left: 0.000+/-0.000 χ^2/NDF: 3138517.2/25

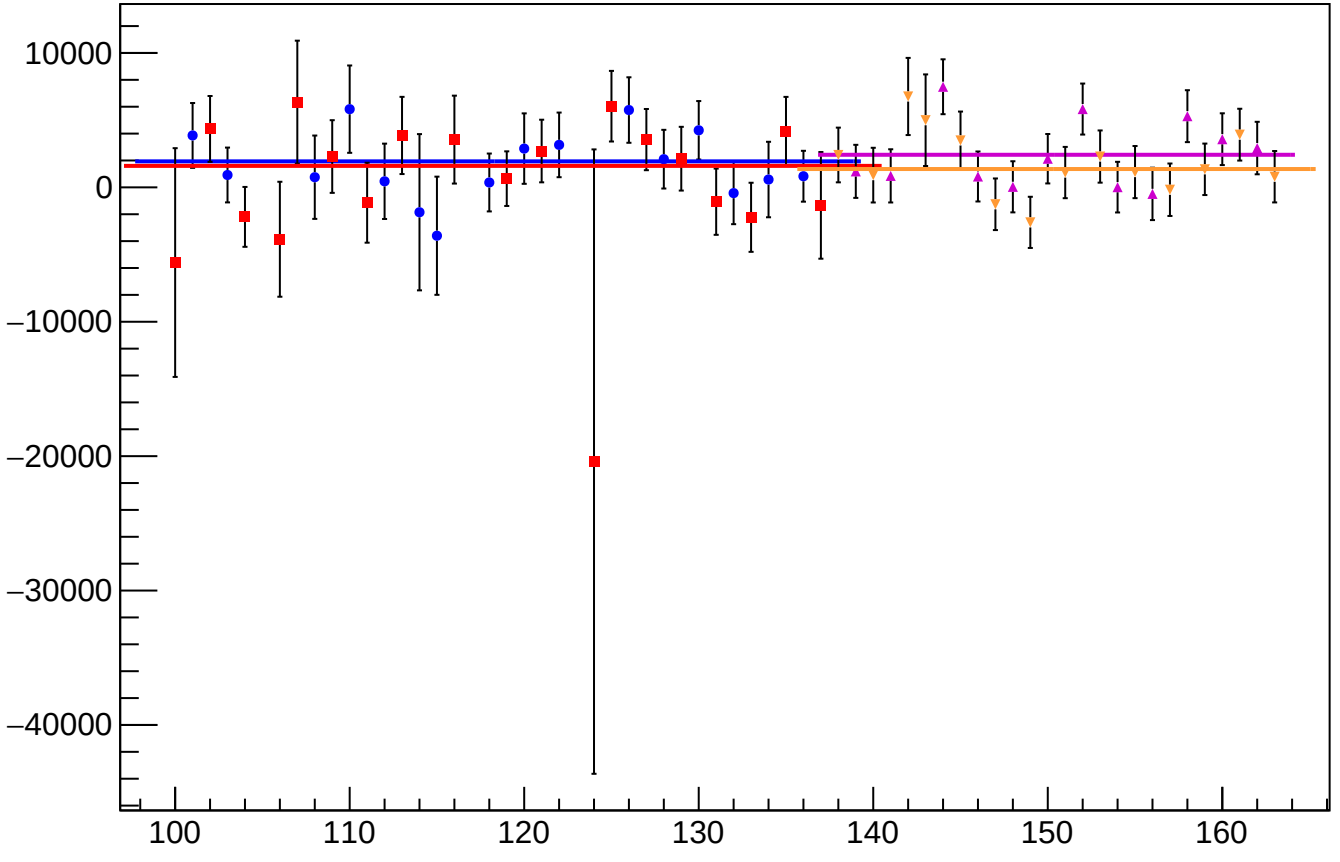
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3537439.1/27

Out: 0.000+/-0.000 χ^2/NDF:5298871.0/32

All: 0.000+/-0.000 χ^2/NDF: 9109817.8/60

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.892+/-547.341 χ^2/NDF:14.9/13

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2423.577+/-555.967 χ^2/NDF:19.2/11

Left: 1885.450+/-390.042 χ^2/NDF: 36.0/25

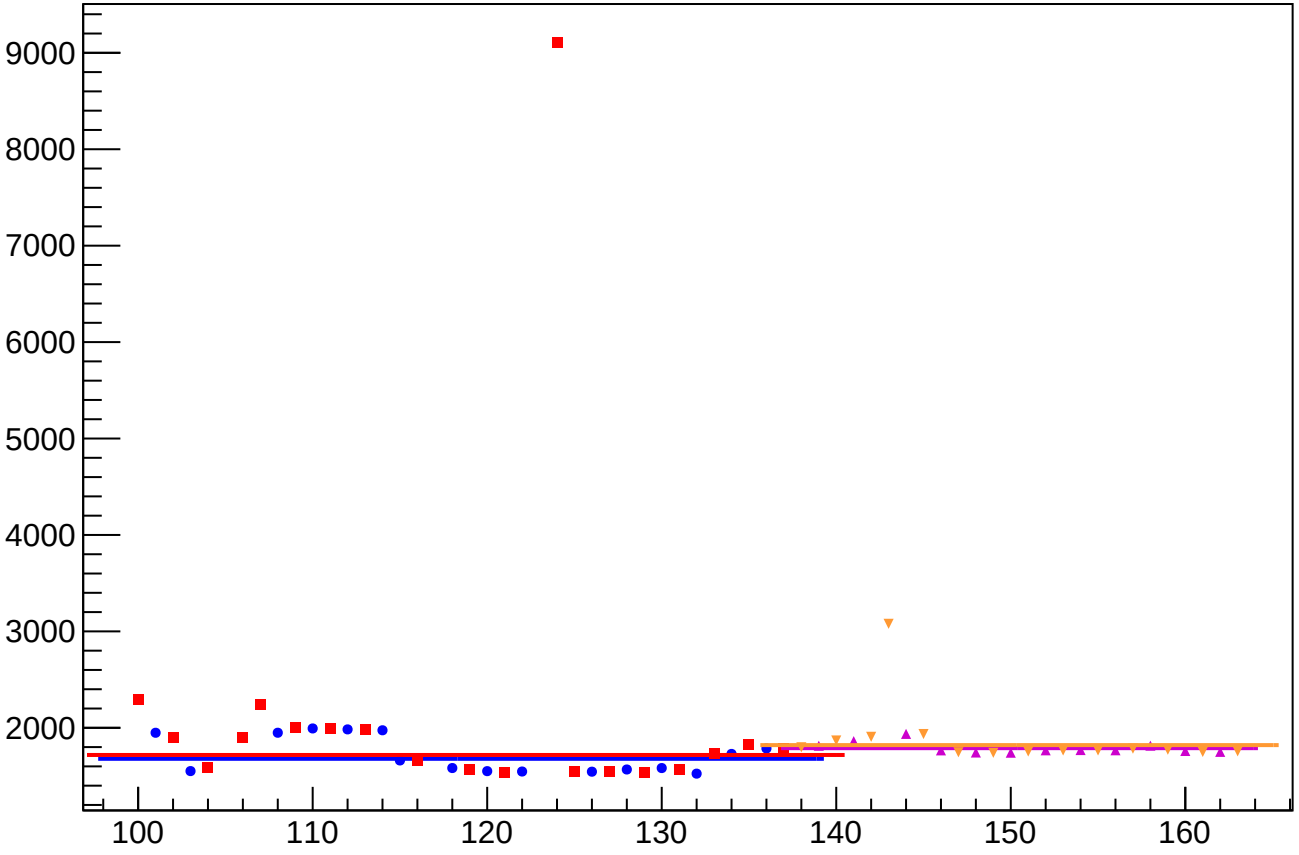
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2208.748+/-416.240 χ^2/NDF:30.5/27

Out: 1462.377+/-416.571 χ^2/NDF:34.4/32

All: 1835.860+/-294.443 χ^2/NDF: 66.4/60

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1788.823+/-0.393 χ^2/NDF:18619.8/11

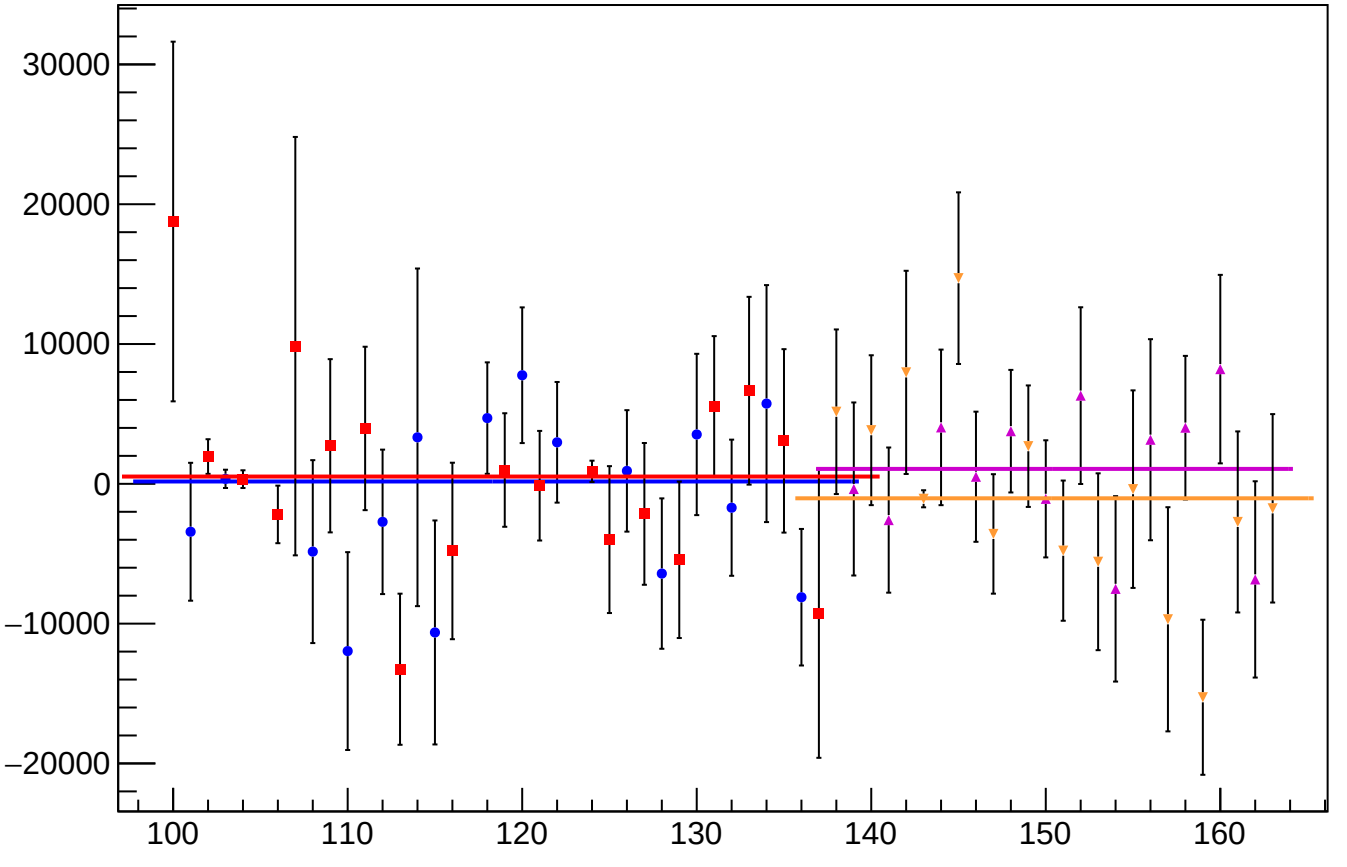
Left: 1804.971+/-0.276 χ^2/NDF: 322602.1/25

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1740.357+/-0.294 χ^2/NDF:194686.1/27

Out: 1777.338+/-0.294 χ^2/NDF:713402.2/32

All: 1758.870+/-0.208 χ^2/NDF: 915991.3/60



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -1035.418+/-569.839 χ^2/NDF:20.1/13

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1067.938+/-1585.044 χ^2/NDF:6.7/11

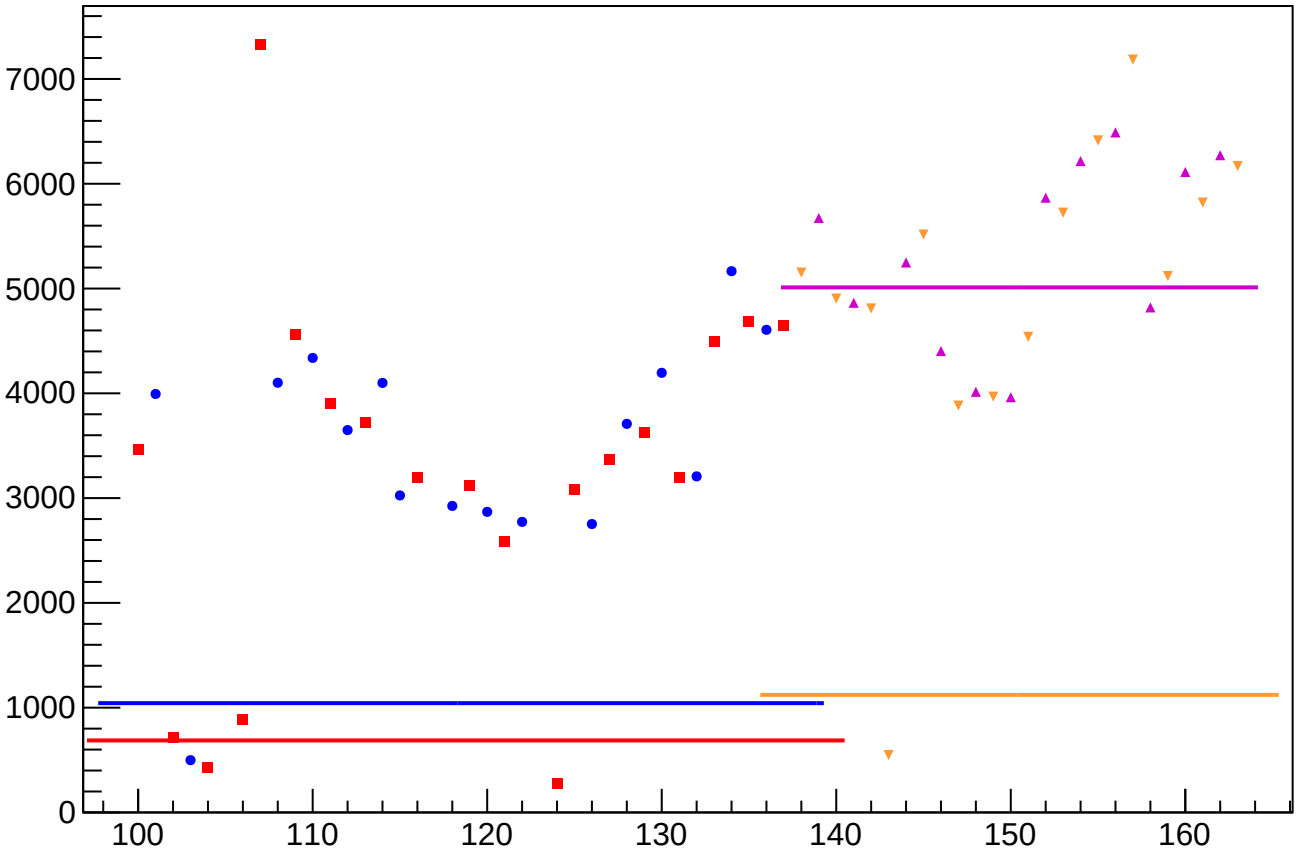
Left: -794.679+/-536.238 χ^2/NDF: 28.3/25

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 278.289+/-554.258 χ^2/NDF:22.8/27

Out: -34.895+/-340.570 χ^2/NDF:43.4/32

All: 50.942+/-290.169 χ^2/NDF: 66.4/60



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1122.202+/-0.403 χ^2/NDF:14401323.0/13

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5010.918+/-1.121 χ^2/NDF:598773.5/11

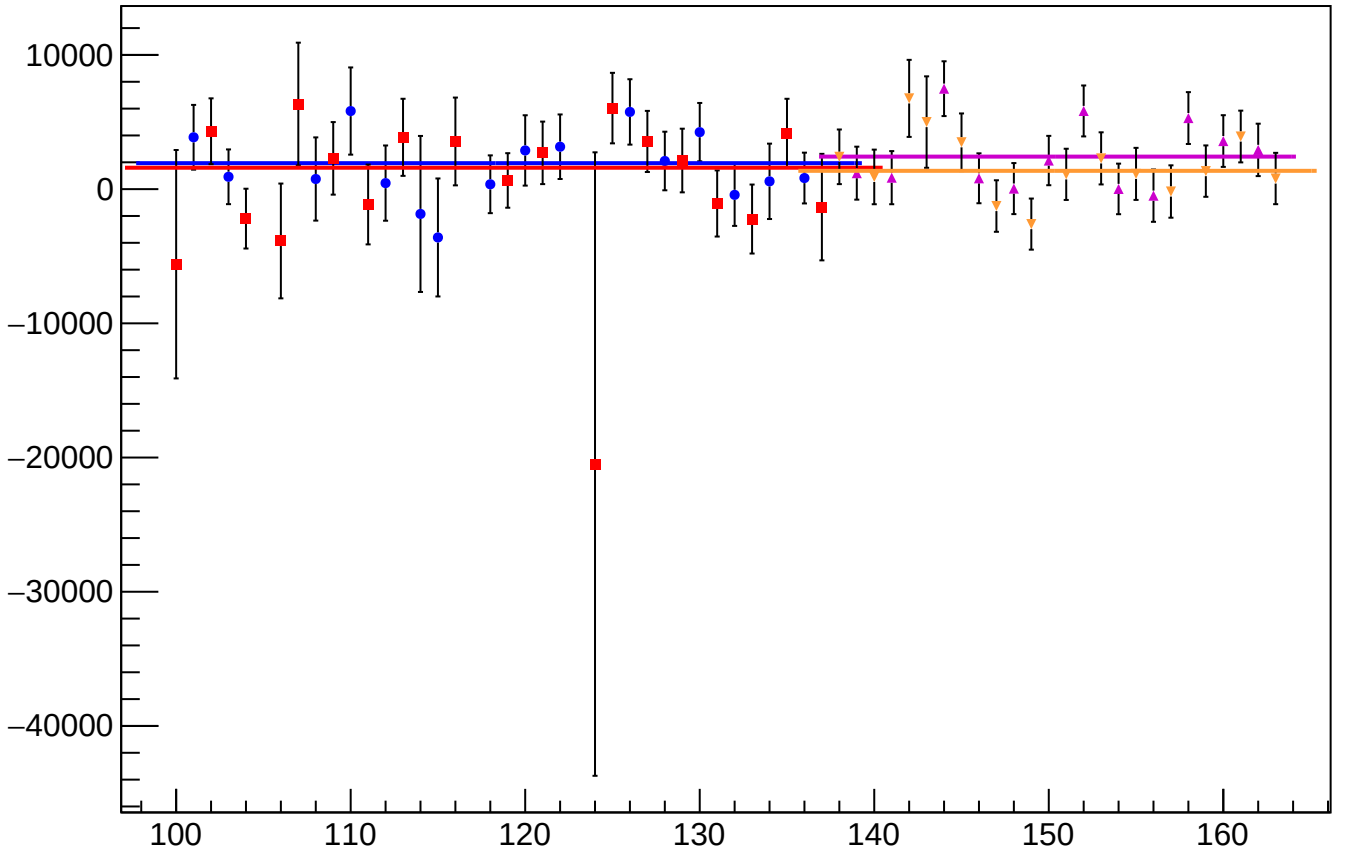
Left: 1567.283+/-0.379 χ^2/NDF: 25660423.5/25

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1528.284+/-0.392 χ^2/NDF:19710979.7/27

Out: 842.664+/-0.241 χ^2/NDF:23781586.7/32

All: 1030.579+/-0.205 χ^2/NDF: 45714143.0/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2423.681+/-555.967 χ^2/NDF:19.2/11

Left: 1885.502+/-390.042 χ^2/NDF: 36.0/25

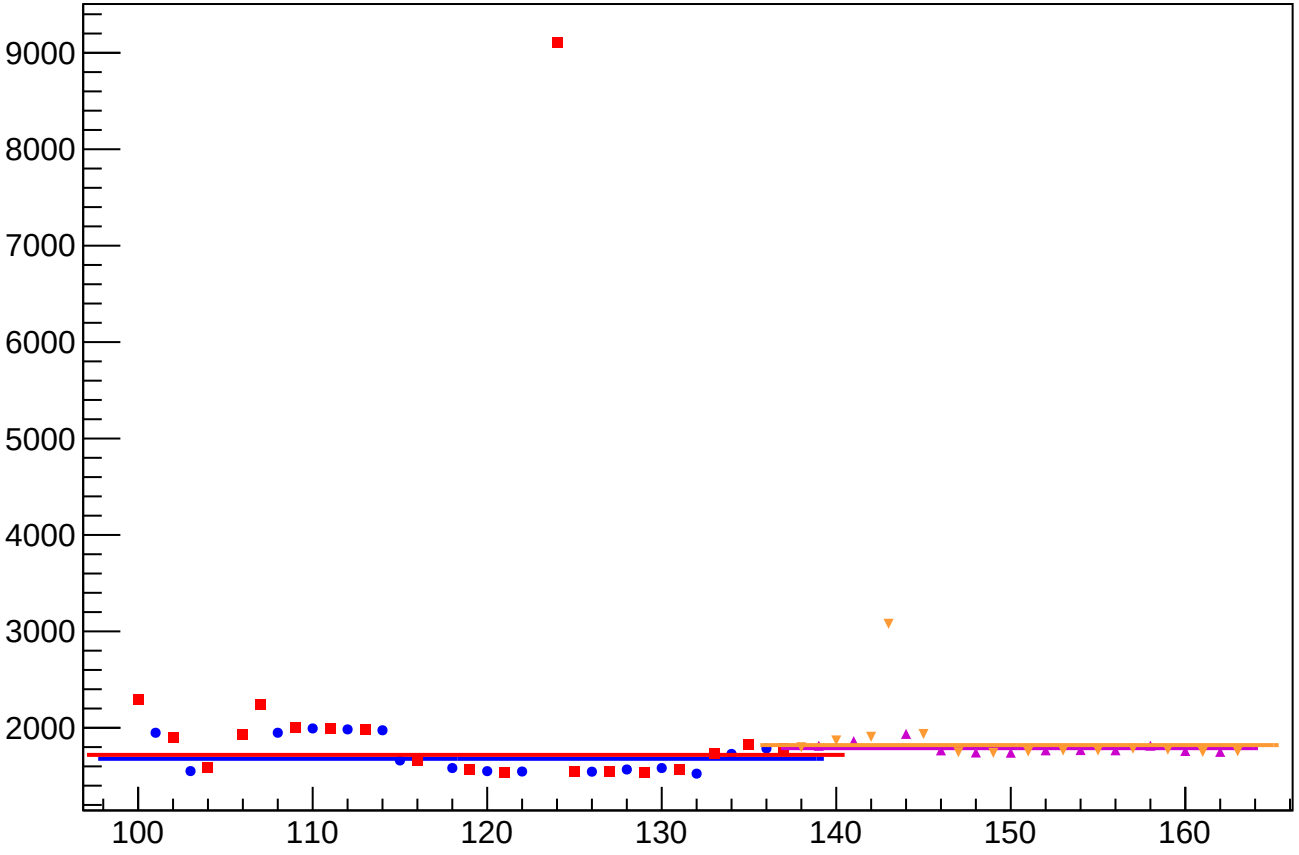
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2208.857+/-416.240 χ^2/NDF:30.5/27

Out: 1461.352+/-416.573 χ^2/NDF:34.4/32

All: 1835.403+/-294.444 χ^2/NDF: 66.4/60

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1788.823+/-0.393 χ^2/NDF:18619.8/11

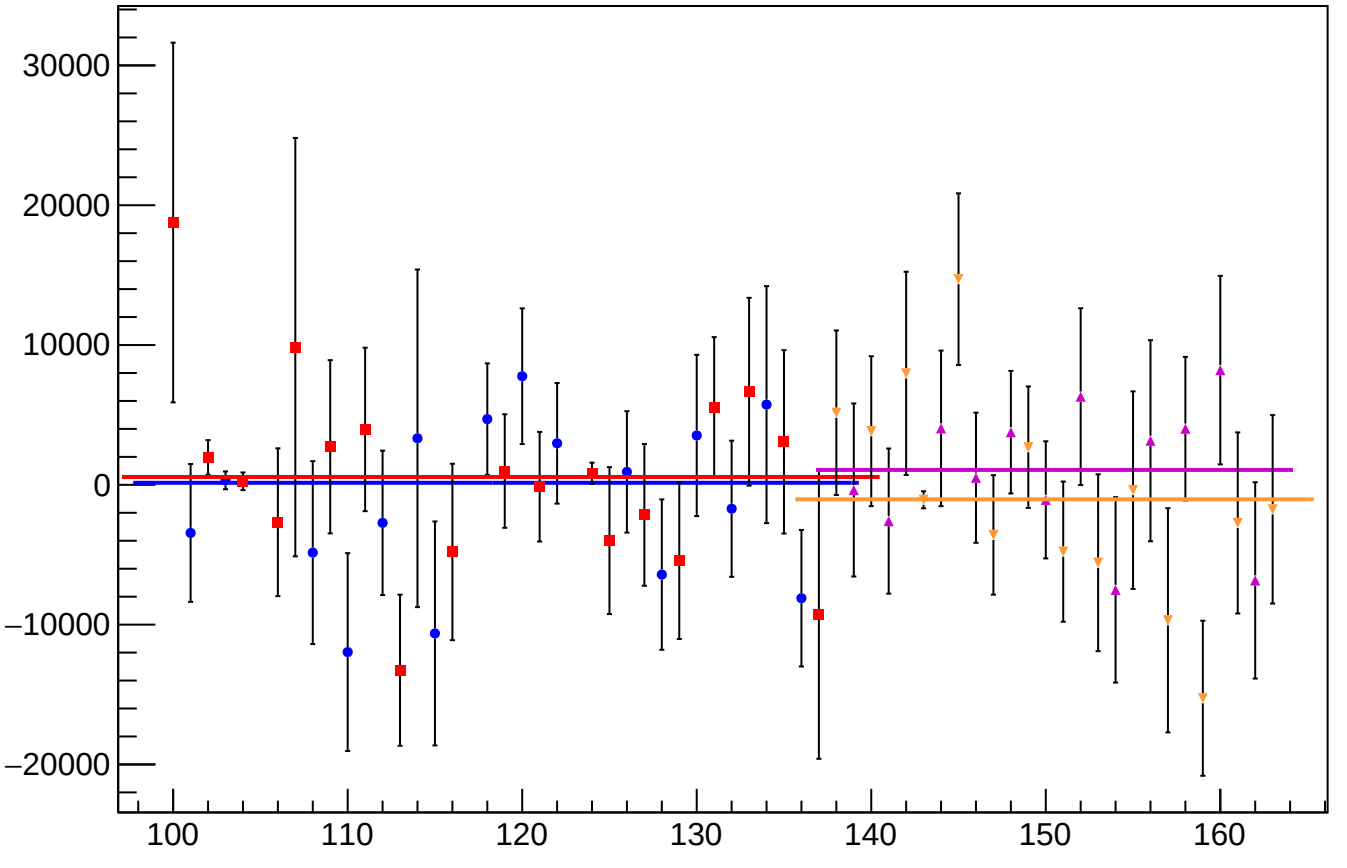
Left: 1804.971+/-0.276 χ^2/NDF: 322602.1/25

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1740.357+/-0.294 χ^2/NDF:194686.3/27

Out: 1777.715+/-0.294 χ^2/NDF:714648.6/32

All: 1759.055+/-0.208 χ^2/NDF: 917398.2/60



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1035.066+/-569.819 χ^2/NDF:20.1/13

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1068.071+/-1585.043 χ^2/NDF:6.7/11

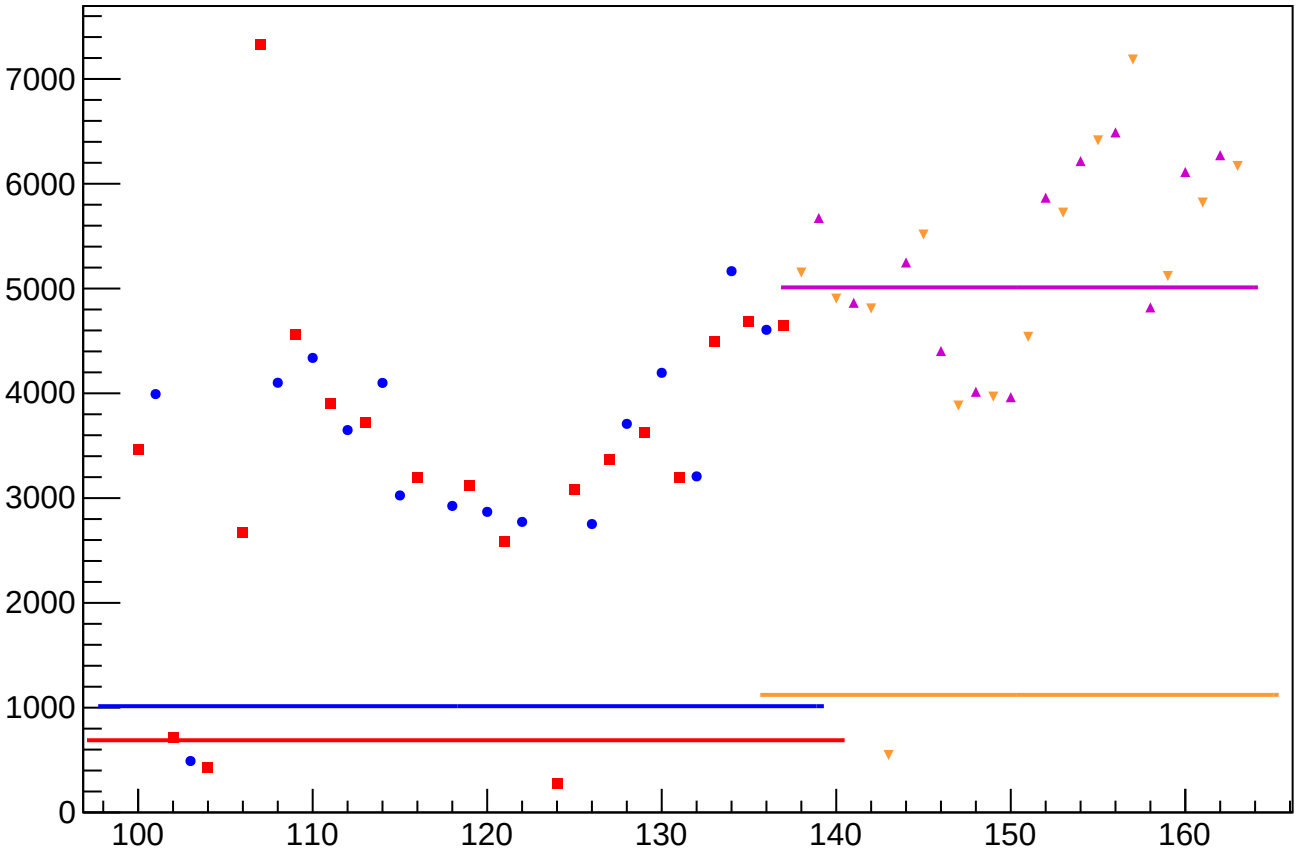
Left: -794.367+/-536.221 χ^2/NDF: 28.3/25

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 255.154+/-544.146 χ^2/NDF:22.8/27

Out: -18.891+/-343.552 χ^2/NDF:42.3/32

All: 59.214+/-290.498 χ^2/NDF: 65.2/60



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5010.913+/-1.121 χ^2/NDF:598790.0/11

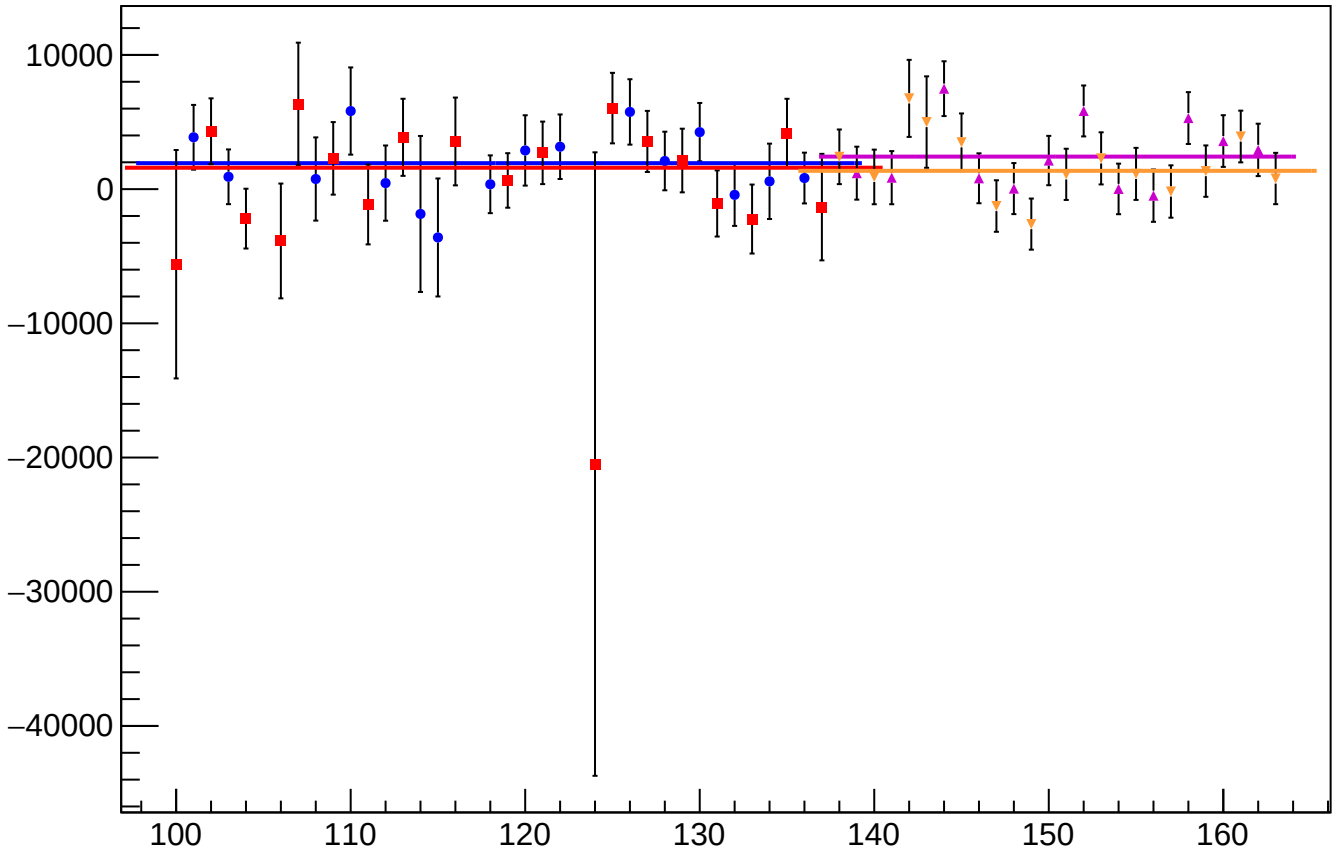
Left: 1567.201+/-0.379 χ^2/NDF: 25661134.9/25

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1485.141+/-0.385 χ^2/NDF:20039833.2/27

Out: 846.484+/-0.243 χ^2/NDF:24047338.5/32

All: 1028.506+/-0.205 χ^2/NDF: 46057029.0/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1363.895+/-547.341 χ^2/NDF:14.9/13

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2423.681+/-555.967 χ^2/NDF:19.2/11

Left: 1885.502+/-390.042 χ^2/NDF: 36.0/25

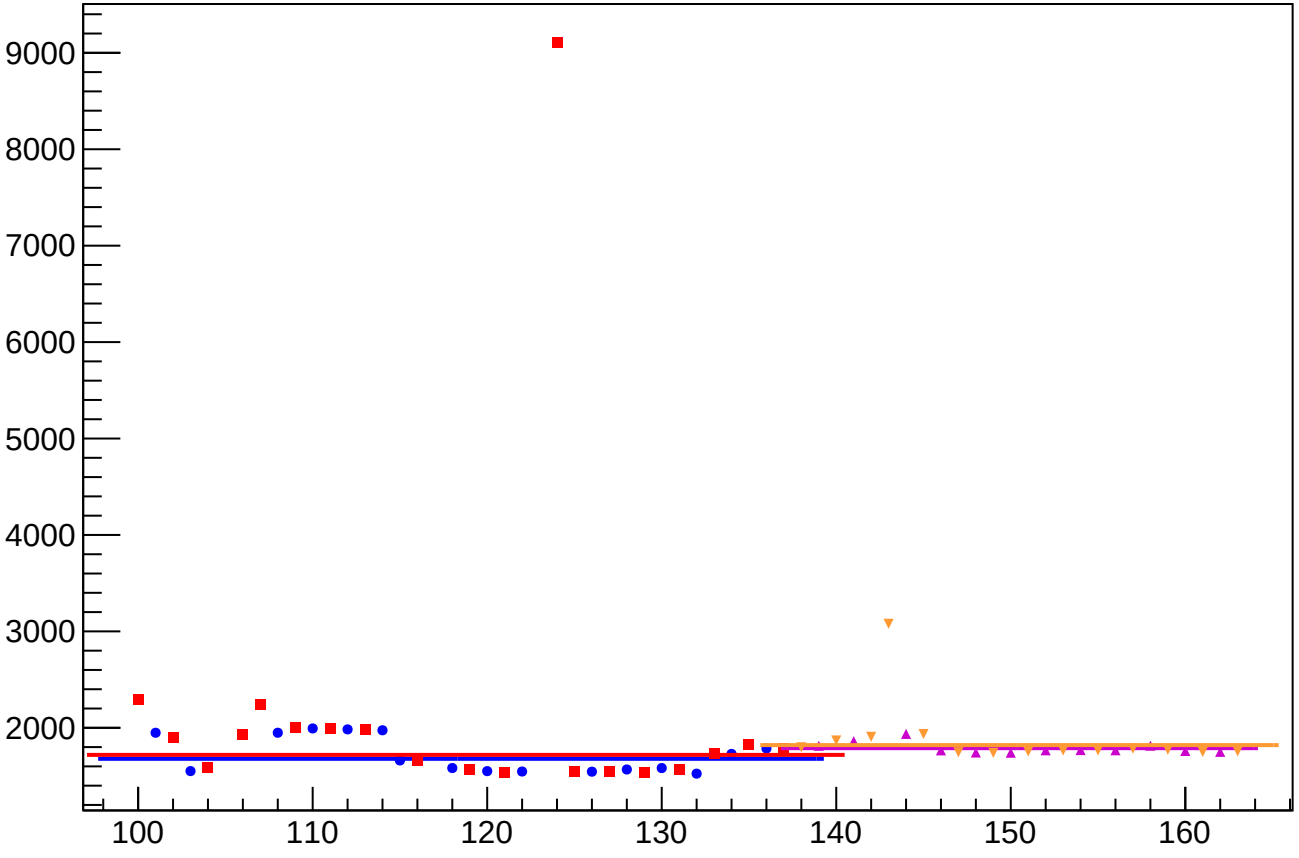
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2208.857+/-416.240 χ^2/NDF:30.5/27

Out: 1461.352+/-416.573 χ^2/NDF:34.4/32

All: 1835.403+/-294.444 χ^2/NDF: 66.4/60

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1820.621+/-0.387 χ^2/NDF:300660.0/13

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1788.823+/-0.393 χ^2/NDF:18619.8/11

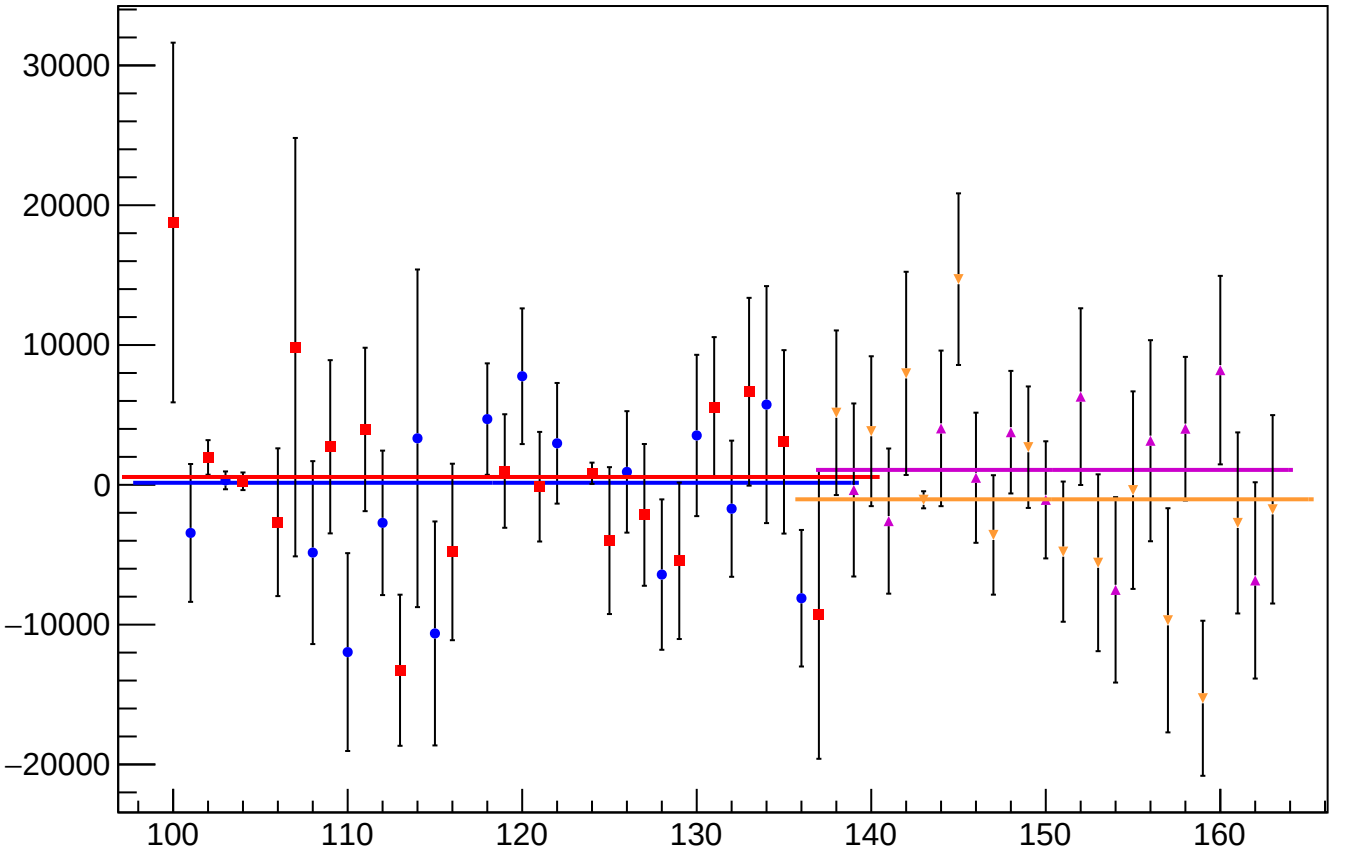
Left: 1804.971+/-0.276 χ^2/NDF: 322602.1/25

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1740.357+/-0.294 χ^2/NDF:194686.3/27

Out: 1777.715+/-0.294 χ^2/NDF:714648.6/32

All: 1759.055+/-0.208 χ^2/NDF: 917398.2/60



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -1035.066+/-569.819 χ^2/NDF:20.1/13

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1068.071+/-1585.043 χ^2/NDF:6.7/11

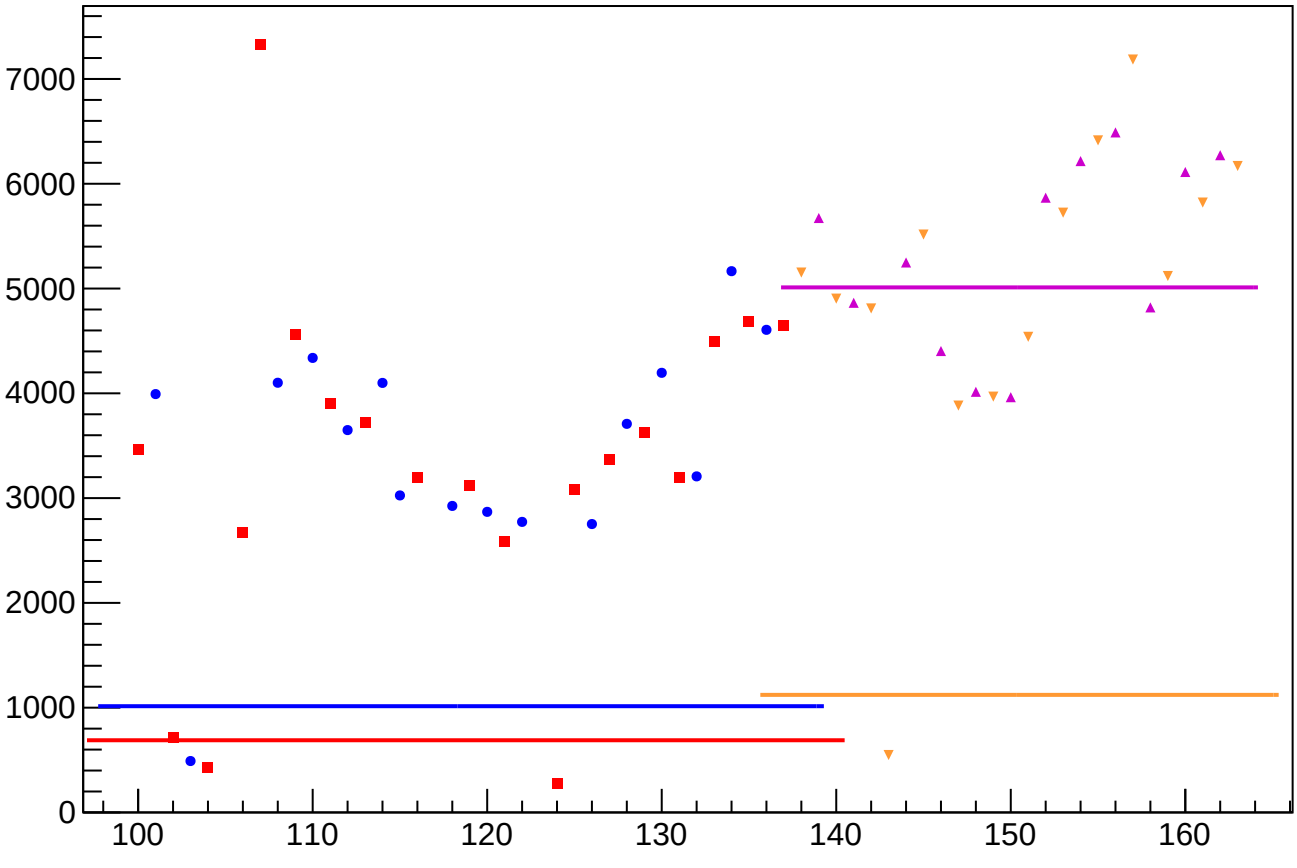
Left: -794.367+/-536.221 χ^2/NDF: 28.3/25

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 255.154+/-544.146 χ^2/NDF:22.8/27

Out: -18.891+/-343.552 χ^2/NDF:42.3/32

All: 59.214+/-290.498 χ^2/NDF: 65.2/60



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1122.141+/-0.403 χ^2/NDF:14401613.0/13

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5010.913+/-1.121 χ^2/NDF:598790.0/11

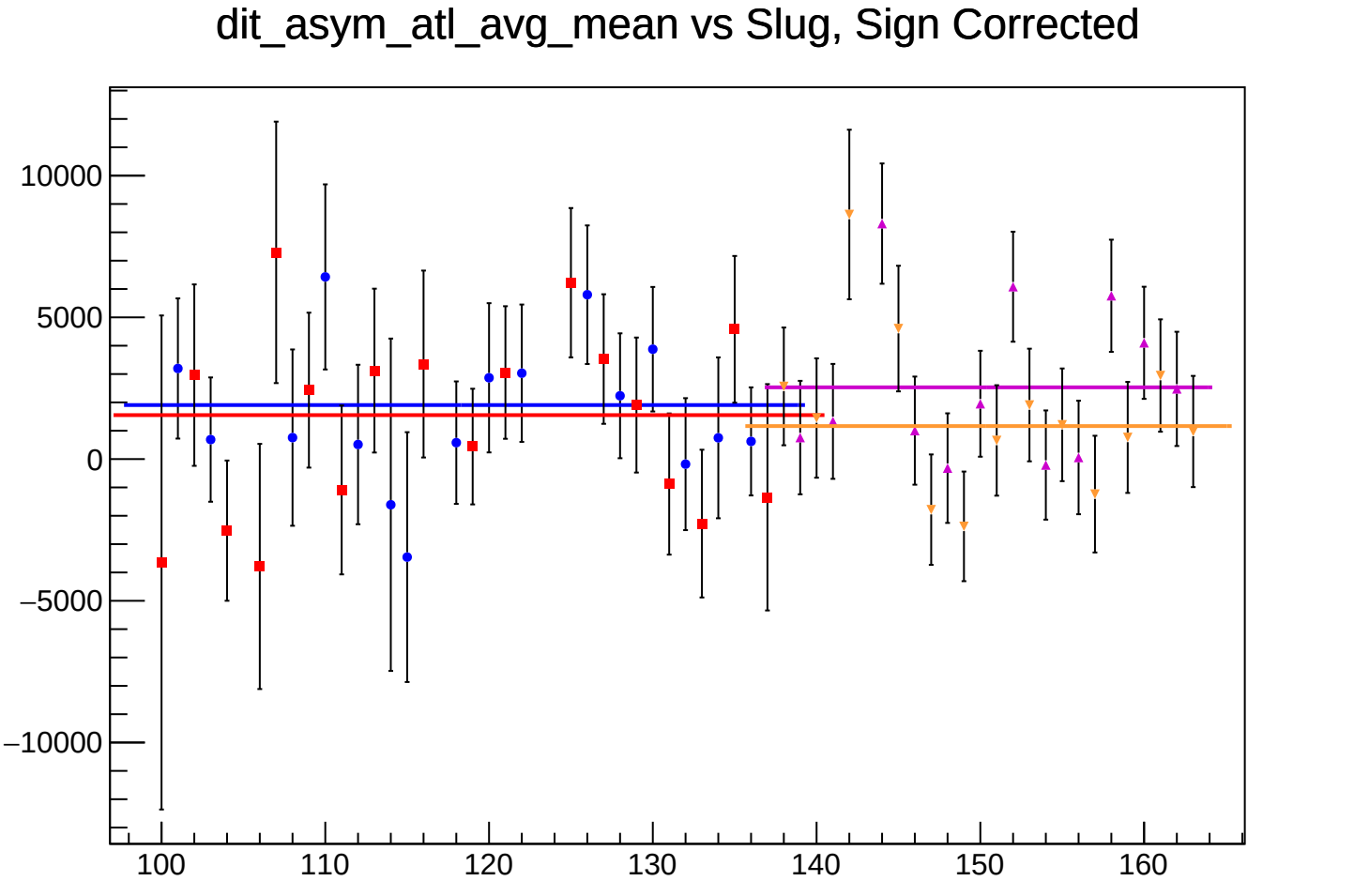
Left: 1567.201+/-0.379 χ^2/NDF: 25661134.9/25

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1485.141+/-0.385 χ^2/NDF:20039833.2/27

Out: 846.484+/-0.243 χ^2/NDF:24047338.5/32

All: 1028.506+/-0.205 χ^2/NDF: 46057029.0/6



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1164.502+/-569.417 χ^2/NDF:17.2/12

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2531.214+/-569.302 χ^2/NDF:21.7/11

Left: 1847.995+/-402.598 χ^2/NDF: 41.7/24

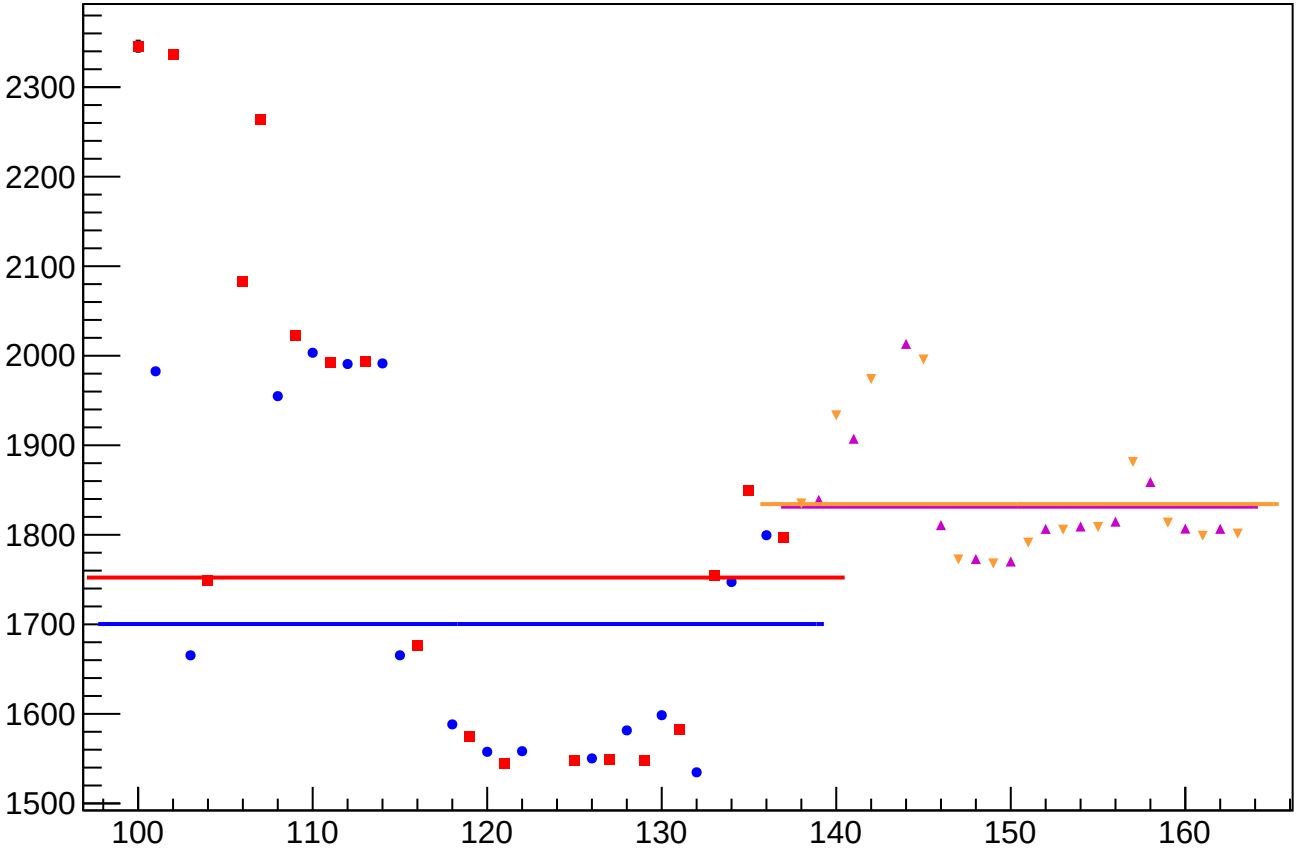
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2253.401+/-424.313 χ^2/NDF:32.4/27

Out: 1329.120+/-431.429 χ^2/NDF:34.8/30

All: 1798.946+/-302.519 χ^2/NDF: 69.6/58

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1834.297+/-0.403 χ^2/NDF:27973.3/12

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1831.413+/-0.403 χ^2/NDF:23453.8/11

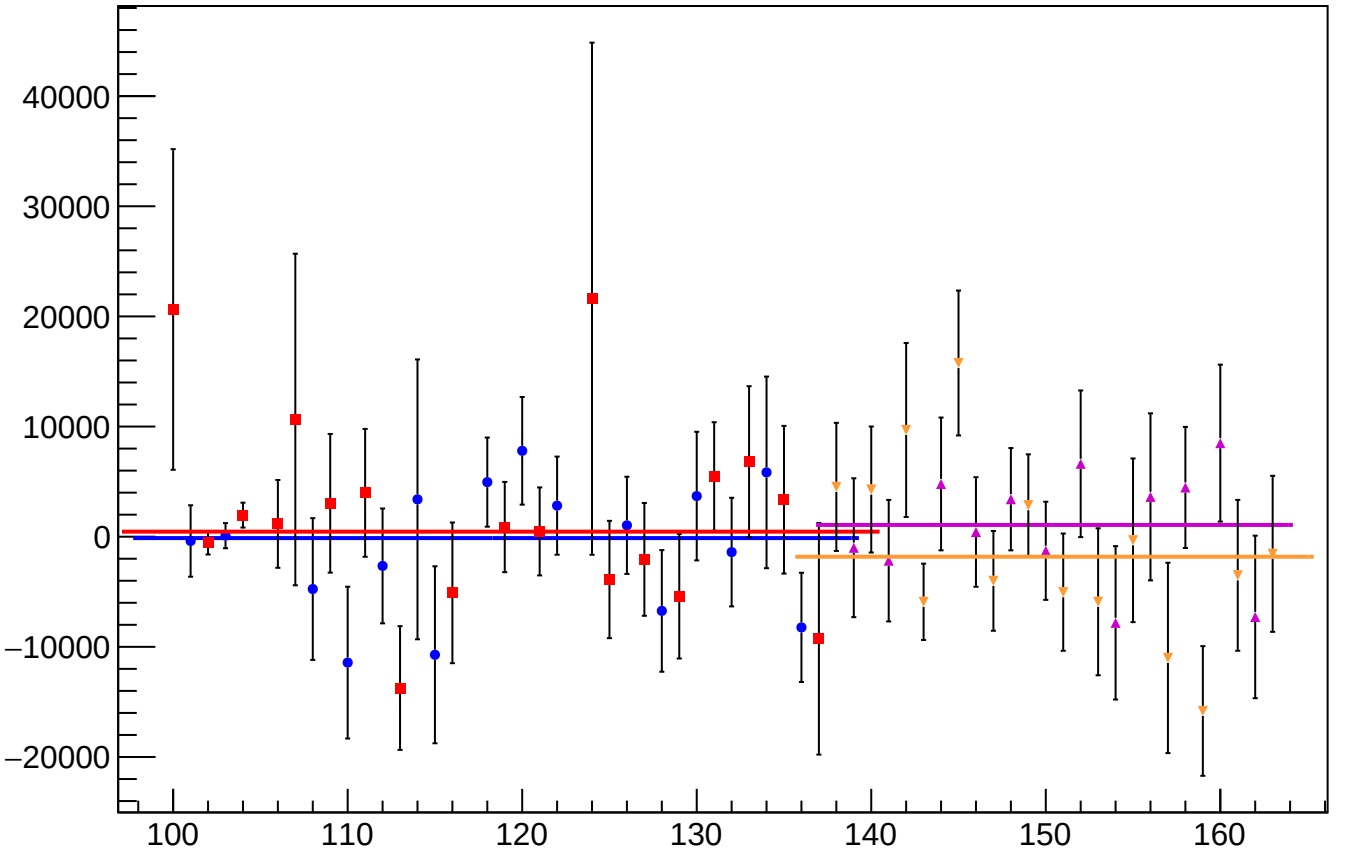
Left: 1832.855+/-0.285 χ^2/NDF: 51452.8/24

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1773.159+/-0.300 χ^2/NDF:205984.2/27

Out: 1799.254+/-0.305 χ^2/NDF:293663.7/30

All: 1786.002+/-0.214 χ^2/NDF: 503370.8/58



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -1817.401+/-1511.595 χ^2/NDF:21.9/13

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1067.505+/-1679.784 χ^2/NDF:6.6/11

Left: -526.564+/-1123.630 χ^2/NDF: 30.1/25

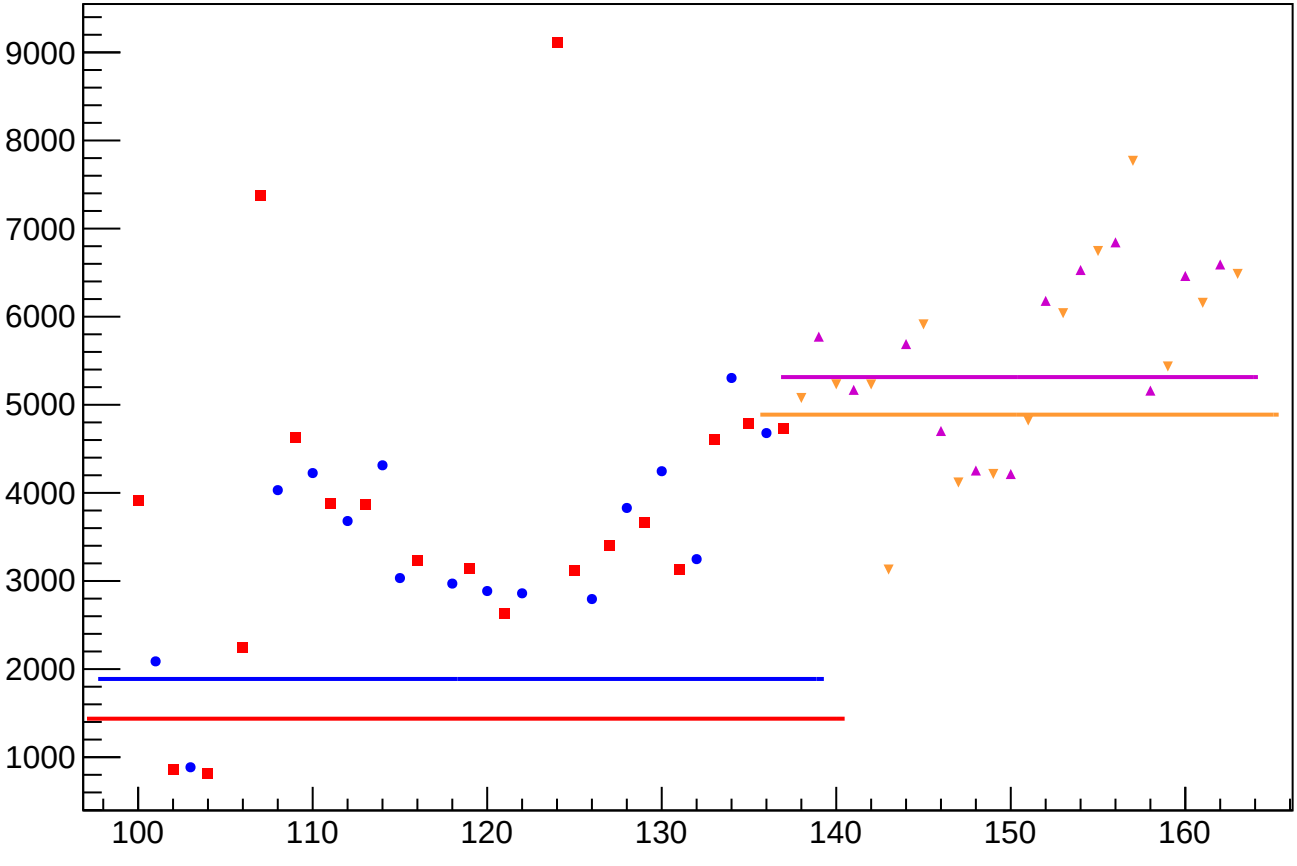
Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 125.780+/-770.884 χ^2/NDF:22.1/27

Out: 77.009+/-619.500 χ^2/NDF:42.3/32

All: 96.146+/-482.894 χ^2/NDF: 64.3/60

asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4888.196+/-1.069 χ^2/NDF:1272114.2/13

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5314.530+/-1.188 χ^2/NDF:565787.6/11

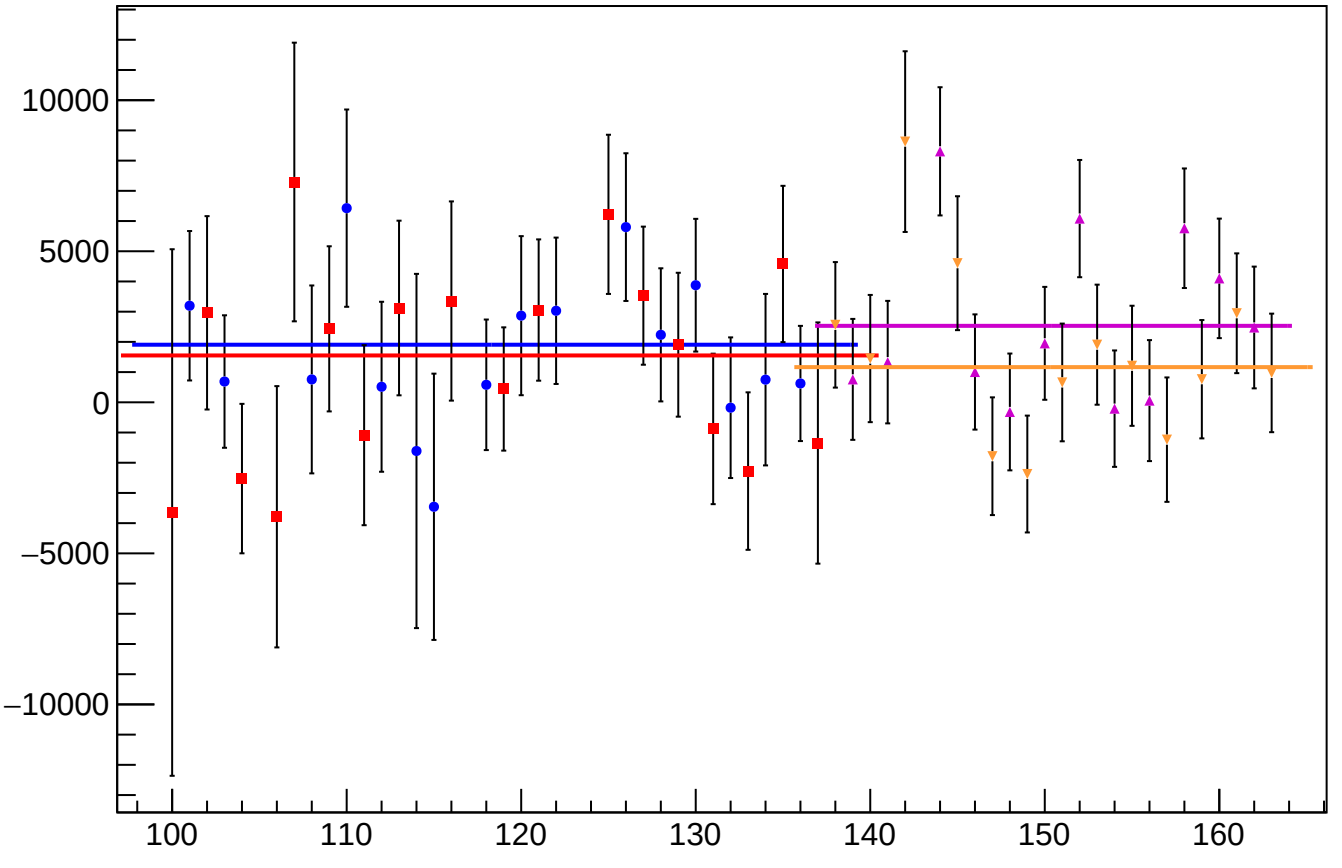
Left: 5078.957+/-0.795 χ^2/NDF: 1909088.8/25

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2609.648+/-0.545 χ^2/NDF:11560890.5/27

Out: 2016.761+/-0.438 χ^2/NDF:15910198.4/32

All: 2249.408+/-0.341 χ^2/NDF: 28189901.0/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1164.499+/-569.417 χ^2/NDF:17.2/12

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2531.215+/-569.303 χ^2/NDF:21.7/11

Left: 1847.994+/-402.598 χ^2/NDF: 41.7/24

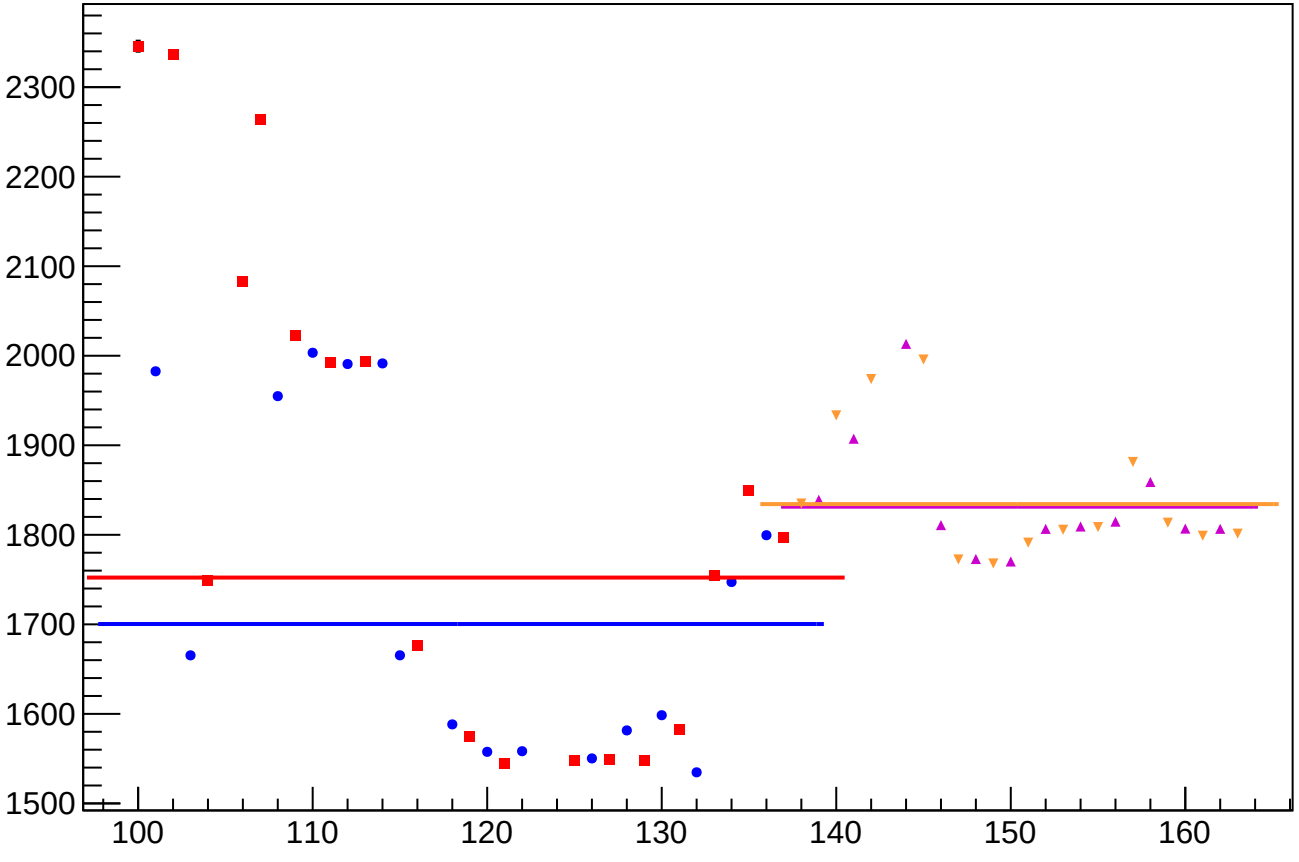
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2253.400+/-424.313 χ^2/NDF:32.4/27

Out: 1329.117+/-431.430 χ^2/NDF:34.8/30

All: 1798.944+/-302.519 χ^2/NDF: 69.6/58

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1834.298+/-0.403 χ^2/NDF:27973.8/12

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1831.414+/-0.403 χ^2/NDF:23454.1/11

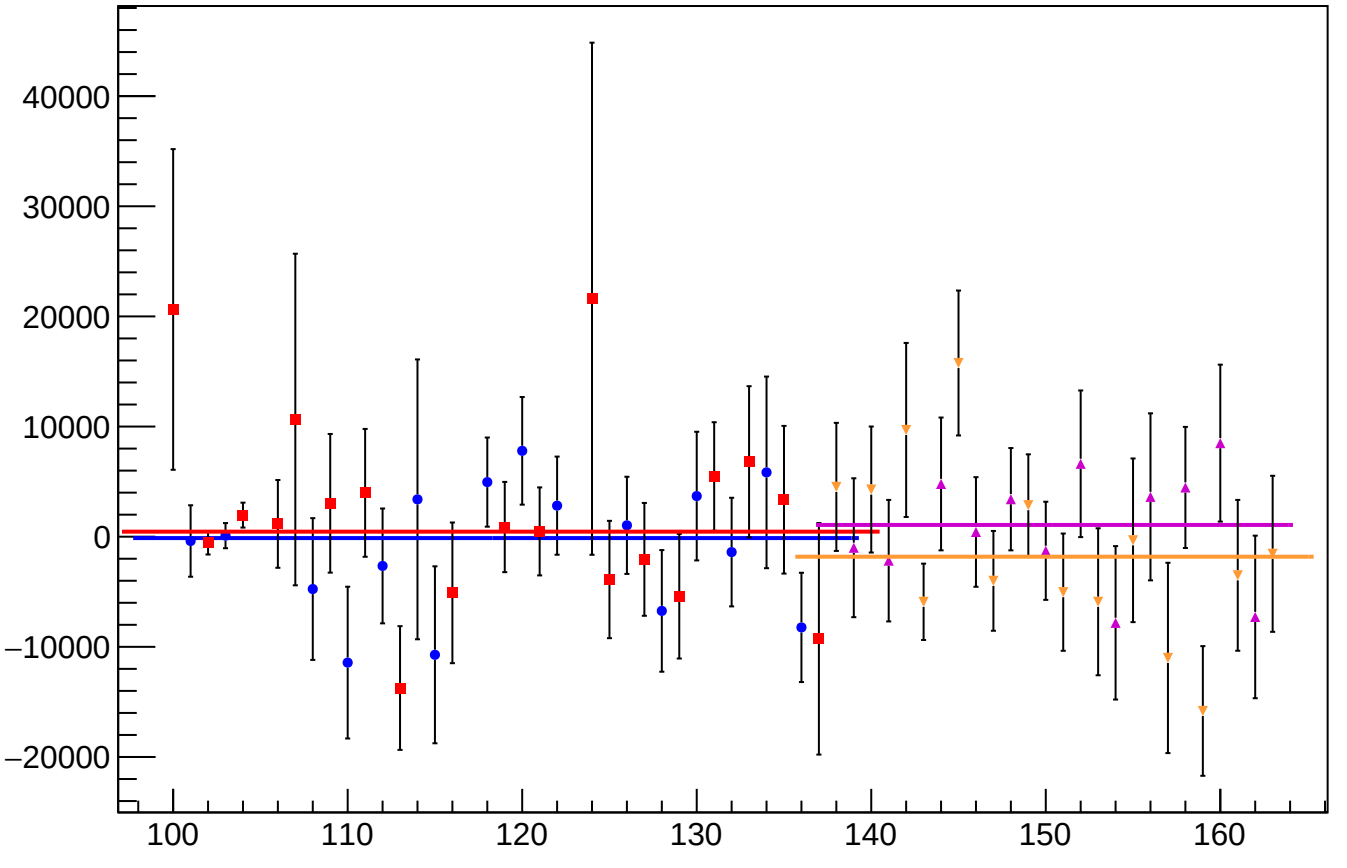
Left: 1832.856+/-0.285 χ^2/NDF: 51453.6/24

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1773.160+/-0.300 χ^2/NDF:205985.8/27

Out: 1799.254+/-0.305 χ^2/NDF:293664.5/30

All: 1786.003+/-0.214 χ^2/NDF: 503373.2/58



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -1817.407+/-1511.597 χ^2/NDF:21.9/13

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1067.506+/-1679.786 χ^2/NDF:6.6/11

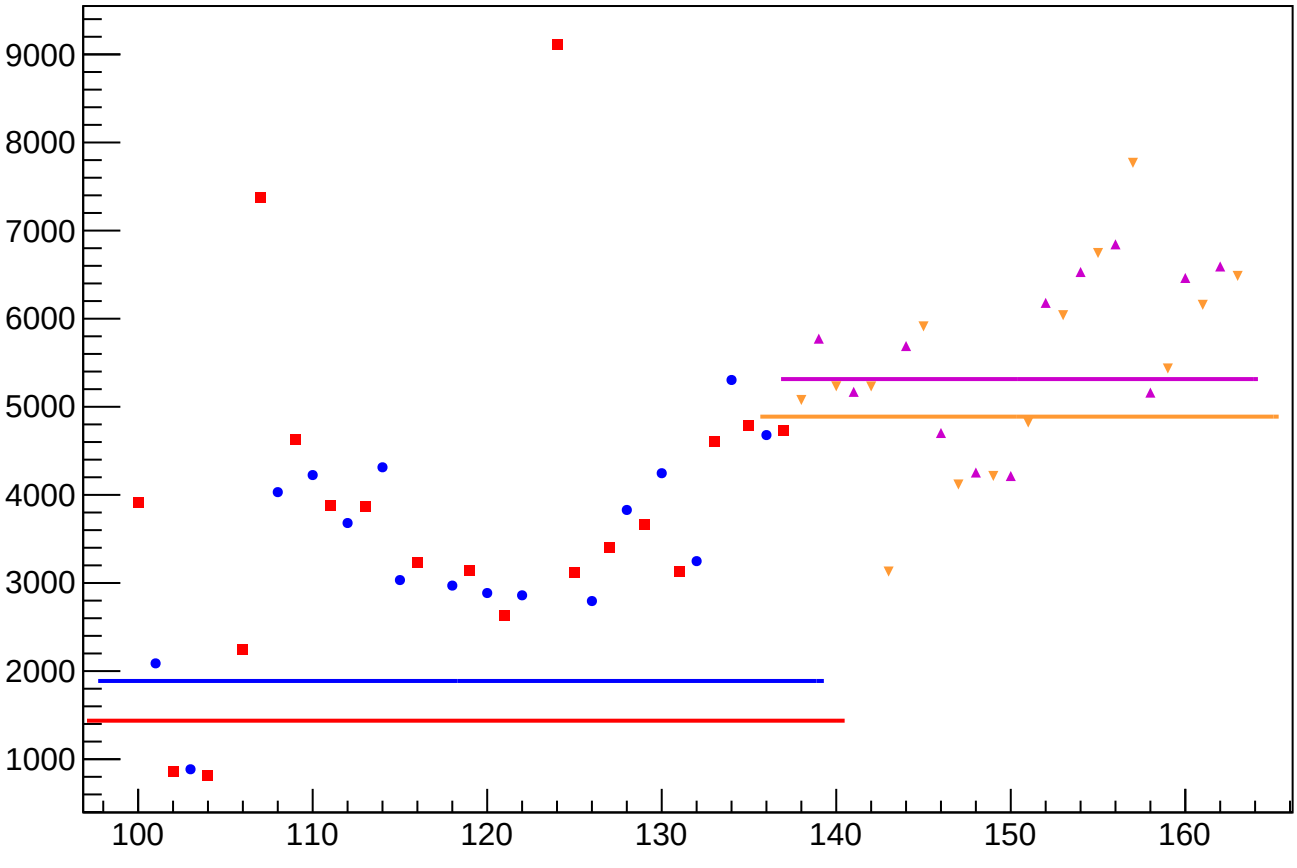
Left: -526.567+/-1123.631 χ^2/NDF: 30.1/25

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 125.780+/-770.880 χ^2/NDF:22.1/27

Out: 77.012+/-619.497 χ^2/NDF:42.3/32

All: 96.149+/-482.891 χ^2/NDF: 64.3/60



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4888.200+/-1.069 χ^2/NDF:1272121.2/13

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5314.537+/-1.188 χ^2/NDF:565790.8/11

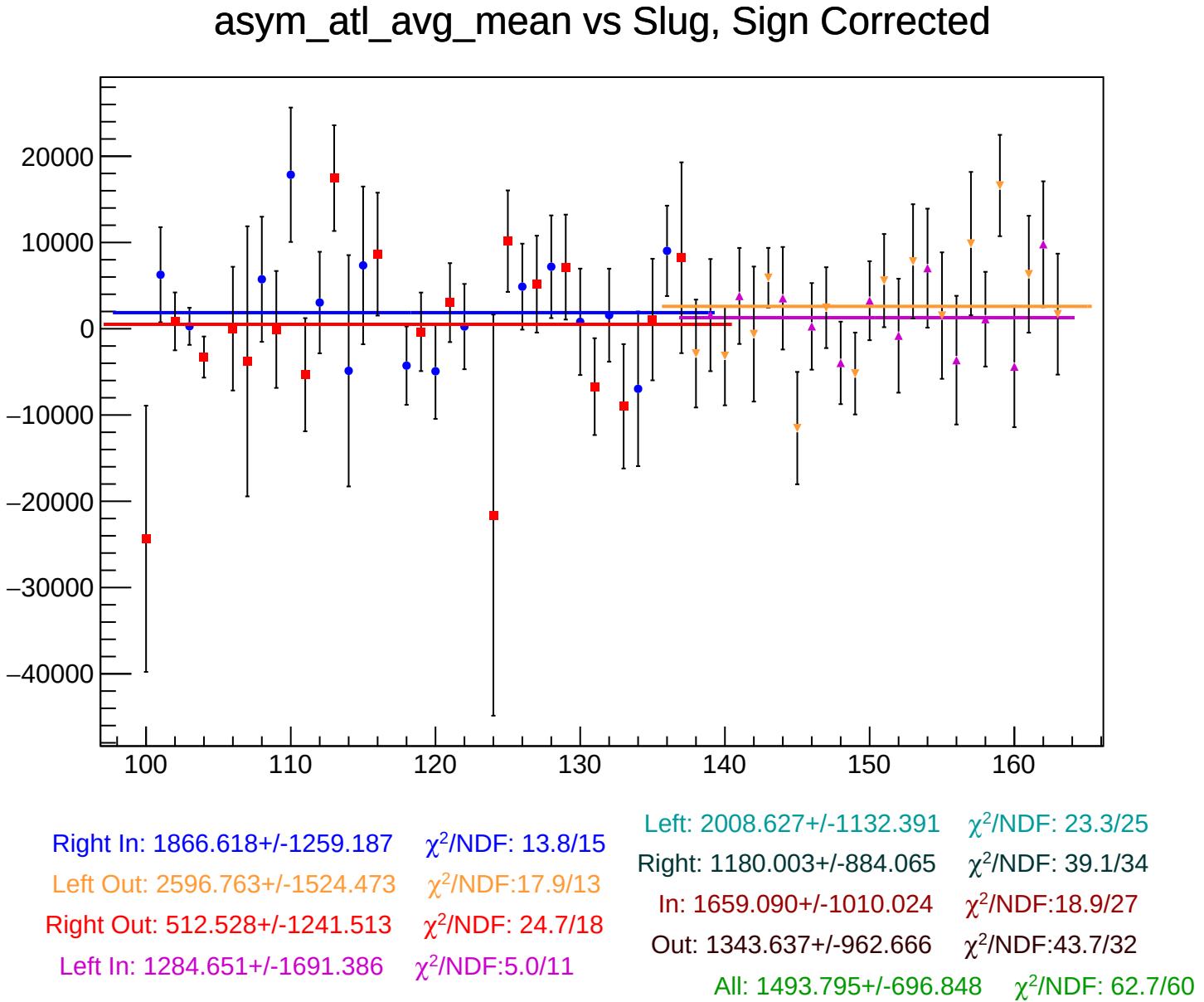
Left: 5078.962+/-0.795 χ^2/NDF: 1909099.4/25

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

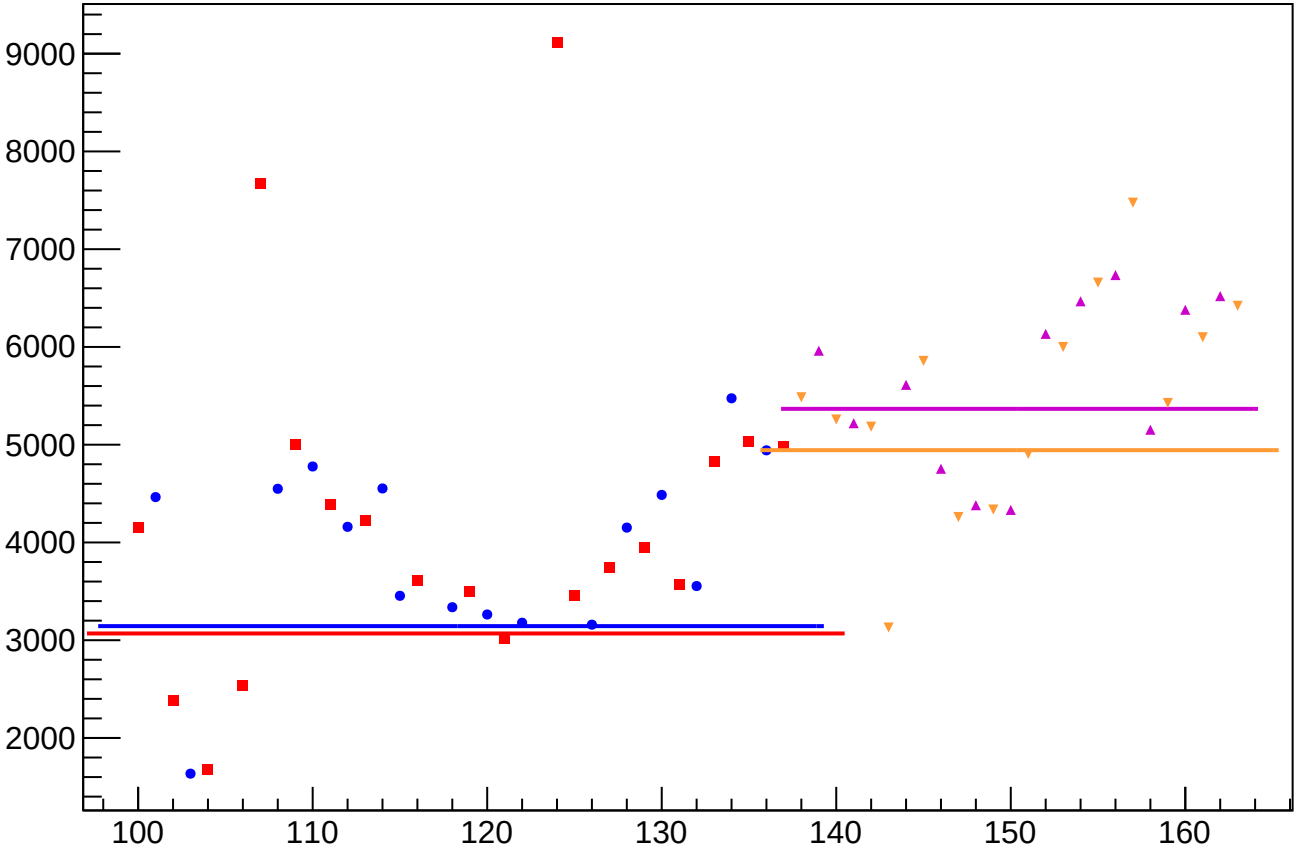
In: 2609.627+/-0.545 χ^2/NDF:11561023.2/27

Out: 2016.742+/-0.438 χ^2/NDF:15910336.8/32

All: 2249.388+/-0.341 χ^2/NDF: 28190175.4/6


asym_atl_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 1866.618+/-1259.187 χ²/NDF: 13.8/15
Left Out: 2596.763+/-1524.473 χ²/NDF:17.9/13
Right Out: 512.528+/-1241.513 χ²/NDF: 24.7/18
Left In: 1284.651+/-1691.386 χ²/NDF:5.0/11
Left: 2008.627+/-1132.391 χ²/NDF: 23.3/25
Right: 1180.003+/-884.065 χ²/NDF: 39.1/34
In: 1659.090+/-1010.024 χ²/NDF:18.9/27
Out: 1343.637+/-962.666 χ²/NDF:43.7/32
All: 1493.795+/-696.848 χ²/NDF: 62.7/60

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4944.036+/-1.078 χ^2/NDF:1192258.7/13

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5366.730+/-1.196 χ^2/NDF:478113.6/11

Left: 5133.503+/-0.801 χ^2/NDF: 1739292.8/25

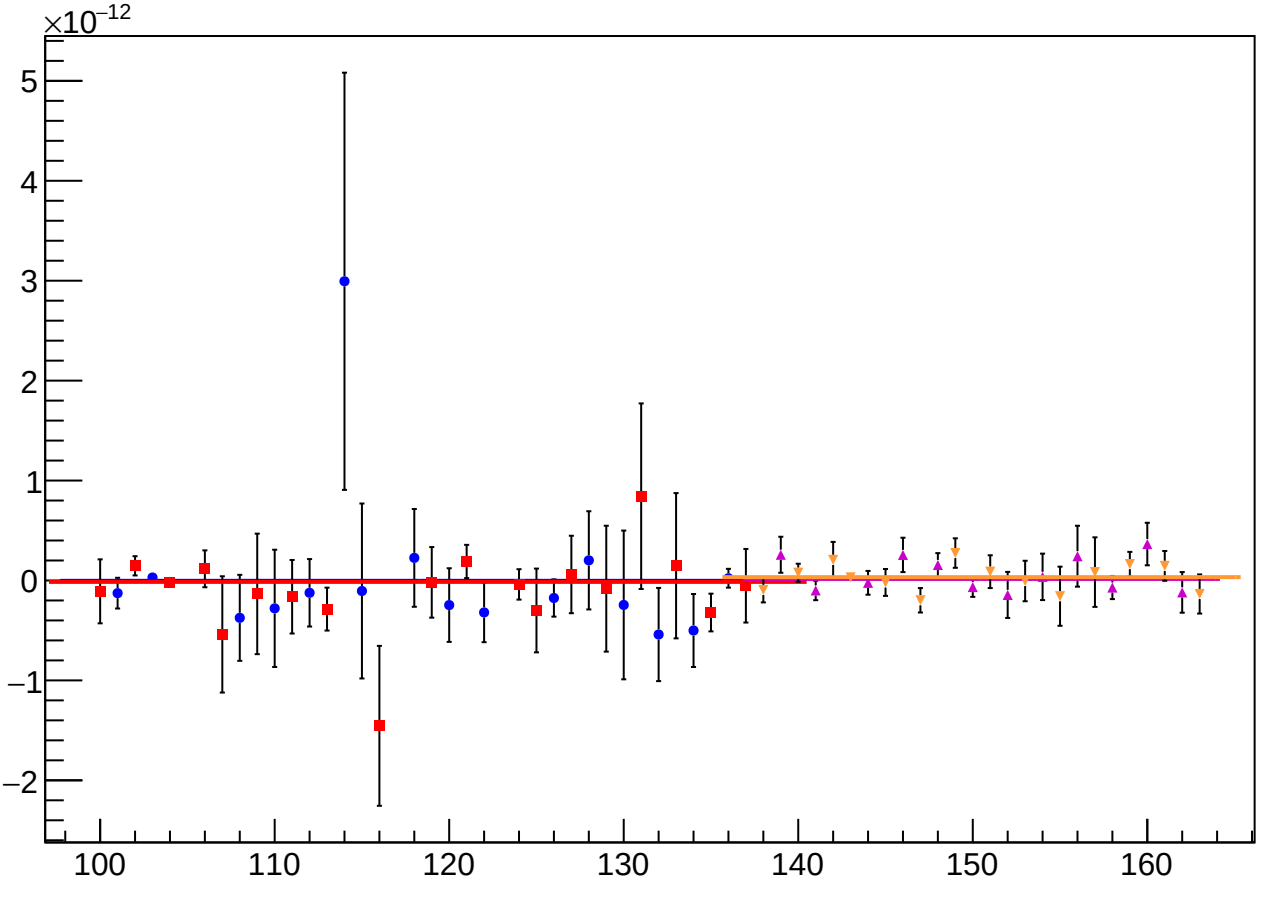
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3936.705+/-0.714 χ^2/NDF:4583273.9/27

Out: 3802.675+/-0.674 χ^2/NDF:4915524.8/32

All: 3865.840+/-0.490 χ^2/NDF: 9517419.6/60

asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/11

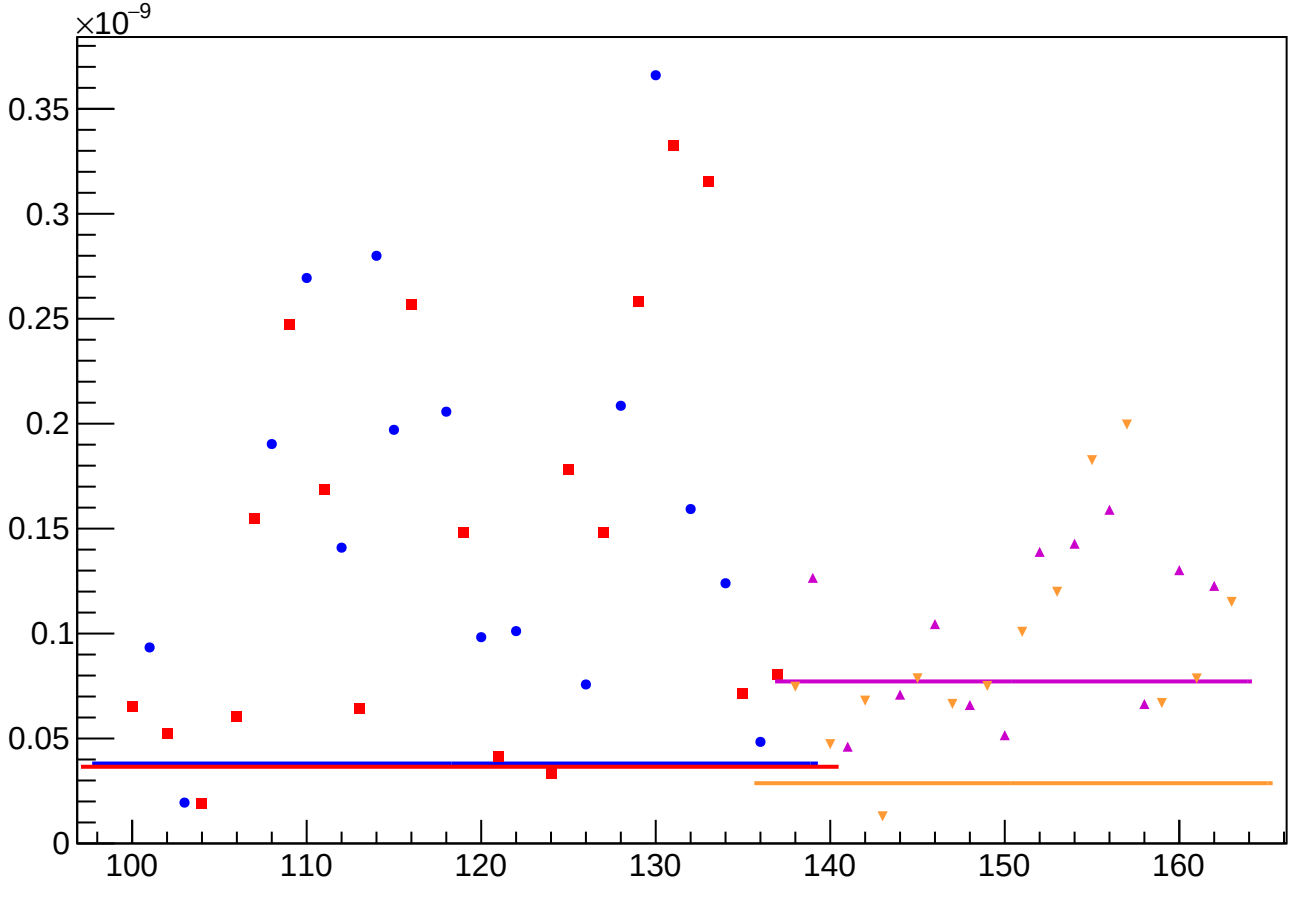
Left: 0.000+/-0.000 χ^2/NDF: 23.9/25

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:22.8/27

Out: 0.000+/-0.000 χ^2/NDF:28.1/32

All: 0.000+/-0.000 χ^2/NDF: 51.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:4655522.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1252687.3/11

Left: 0.000+/-0.000 χ^2/NDF: 8124954.7/25

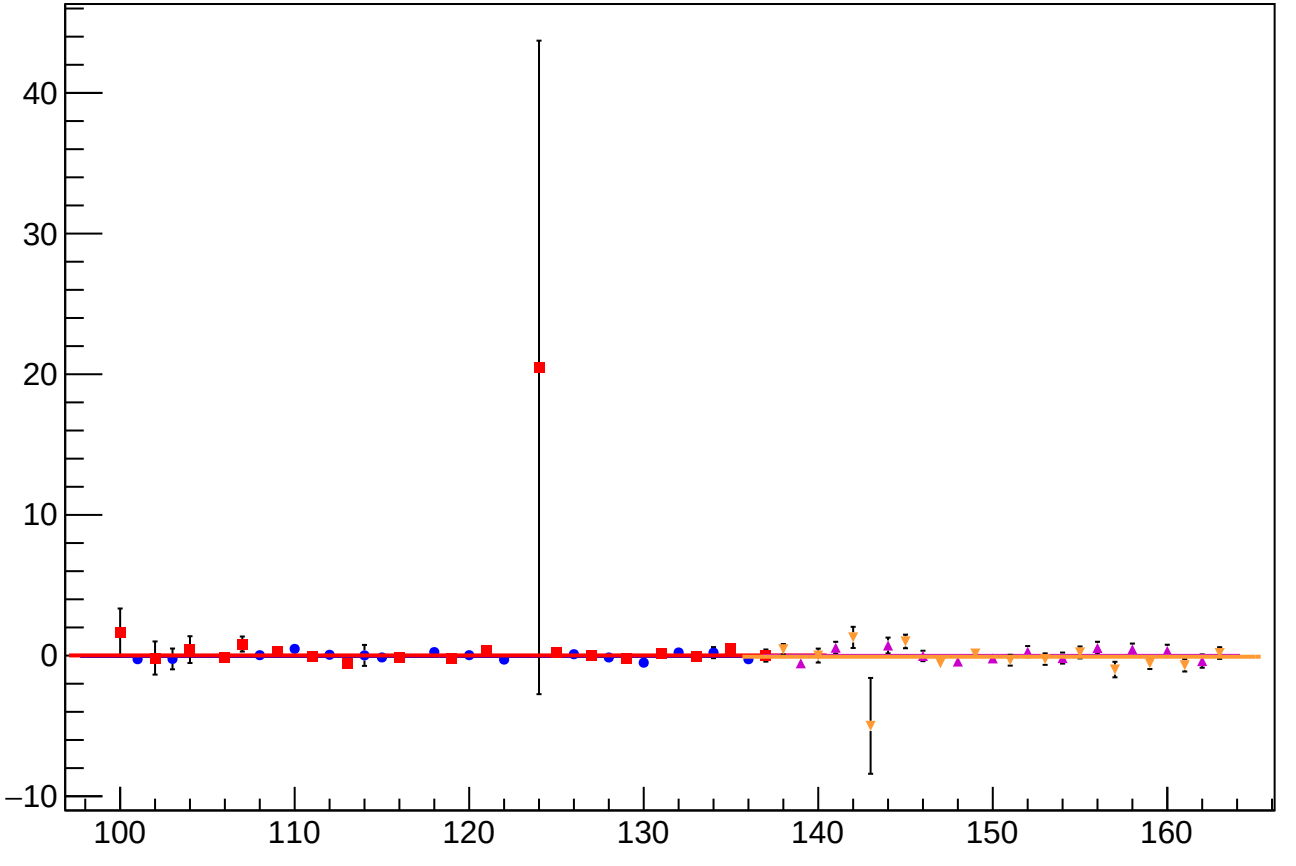
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5208712.2/27

Out: 0.000+/-0.000 χ^2/NDF:7422389.2/32

All: 0.000+/-0.000 χ^2/NDF: 13700518.2/60

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.022+/-0.111 χ^2/NDF:13.9/11

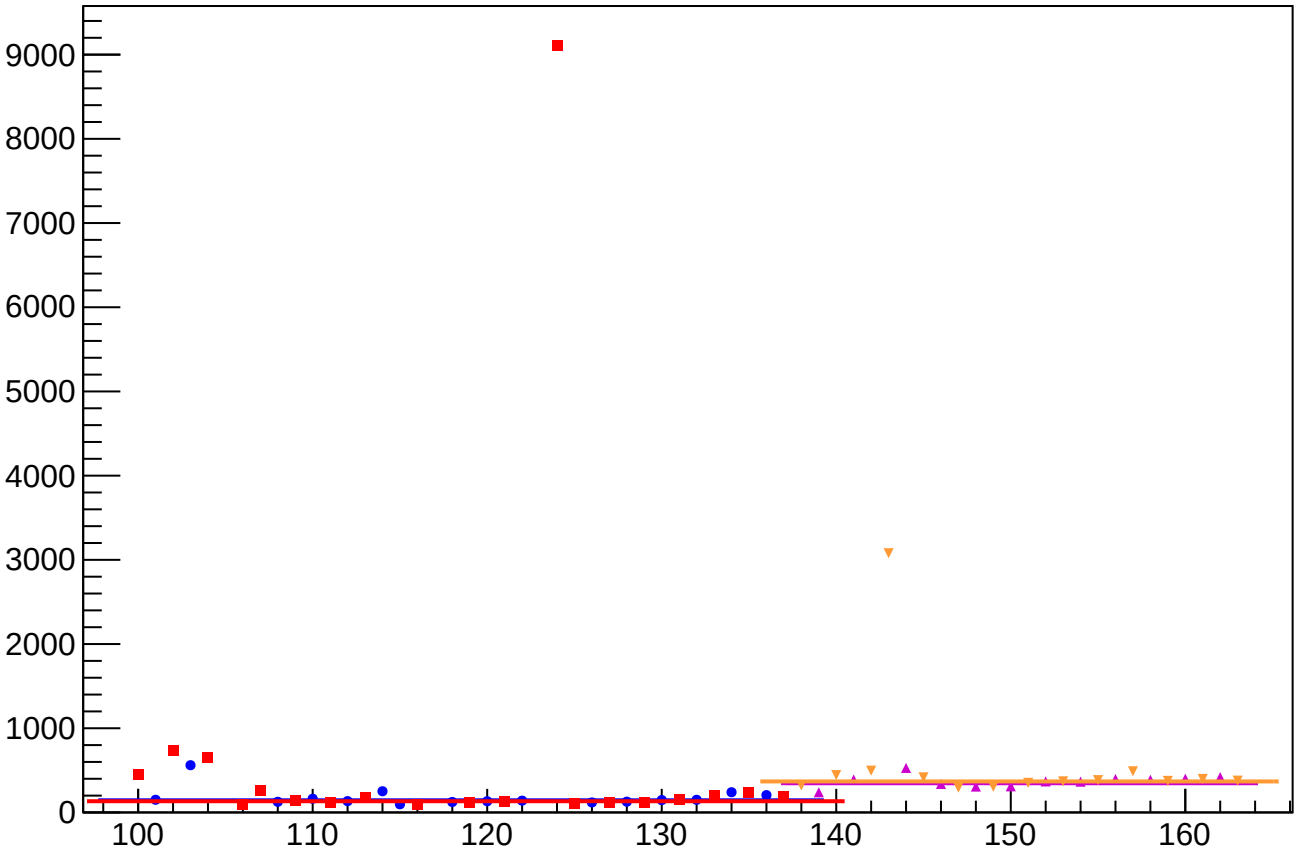
Left: -0.050+/-0.080 χ^2/NDF: 36.4/25

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.027+/-0.051 χ^2/NDF:31.1/27

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.017+/-0.036 χ^2/NDF: 75.9/60



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 368.420+/-0.082 χ^2/NDF:1702528.5/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.960+/-0.079 χ^2/NDF:725488.0/11

Left: 357.219+/-0.057 χ^2/NDF: 2463645.6/25

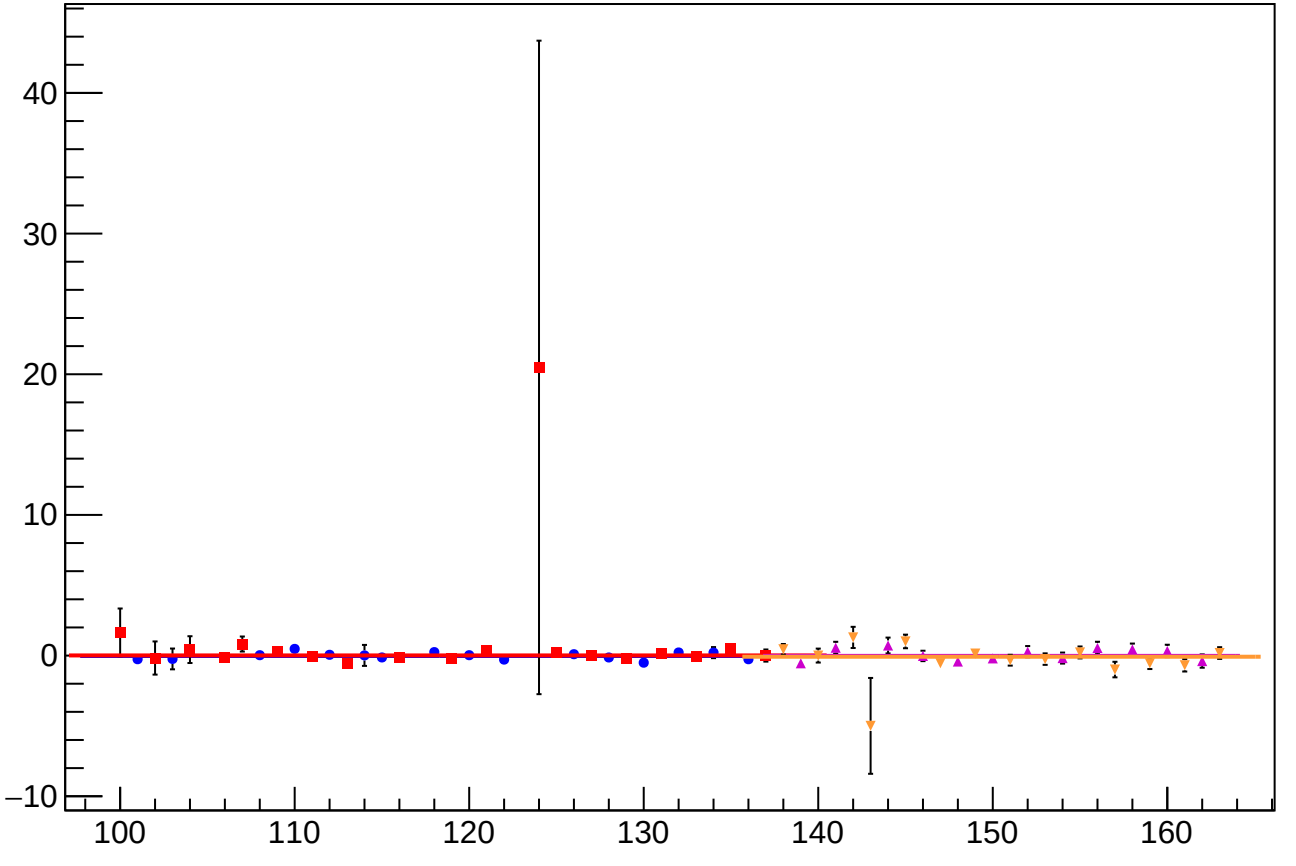
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 187.451+/-0.036 χ^2/NDF:7085940.6/27

Out: 178.259+/-0.036 χ^2/NDF:10551421.1/32

All: 182.812+/-0.026 χ^2/NDF: 17669769.8/60

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.022+/-0.111 χ^2/NDF:13.9/11

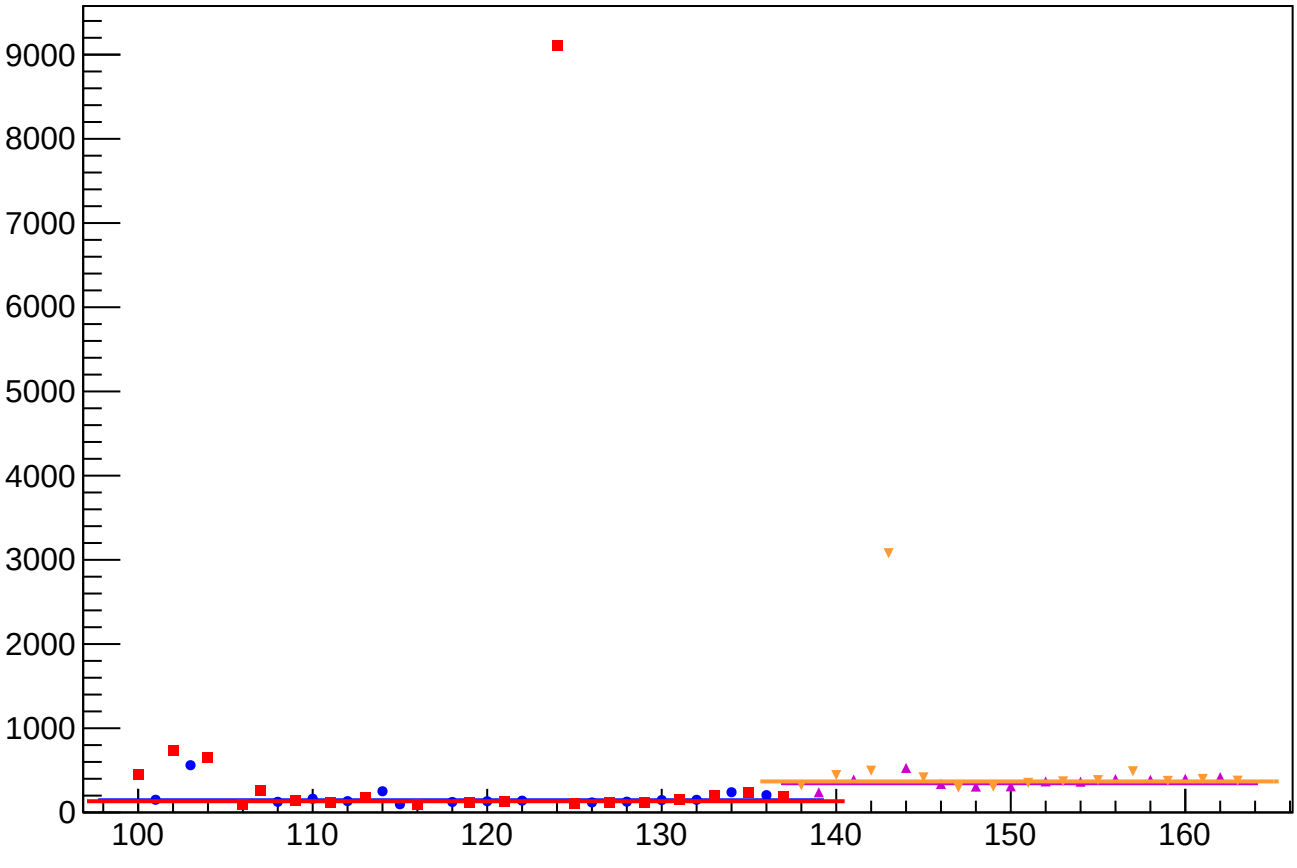
Left: -0.050+/-0.080 χ^2/NDF: 36.4/25

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.027+/-0.051 χ^2/NDF:31.1/27

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.017+/-0.036 χ^2/NDF: 75.9/60



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 368.420+/-0.082 χ^2/NDF:1702528.5/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 346.960+/-0.079 χ^2/NDF:725488.0/11

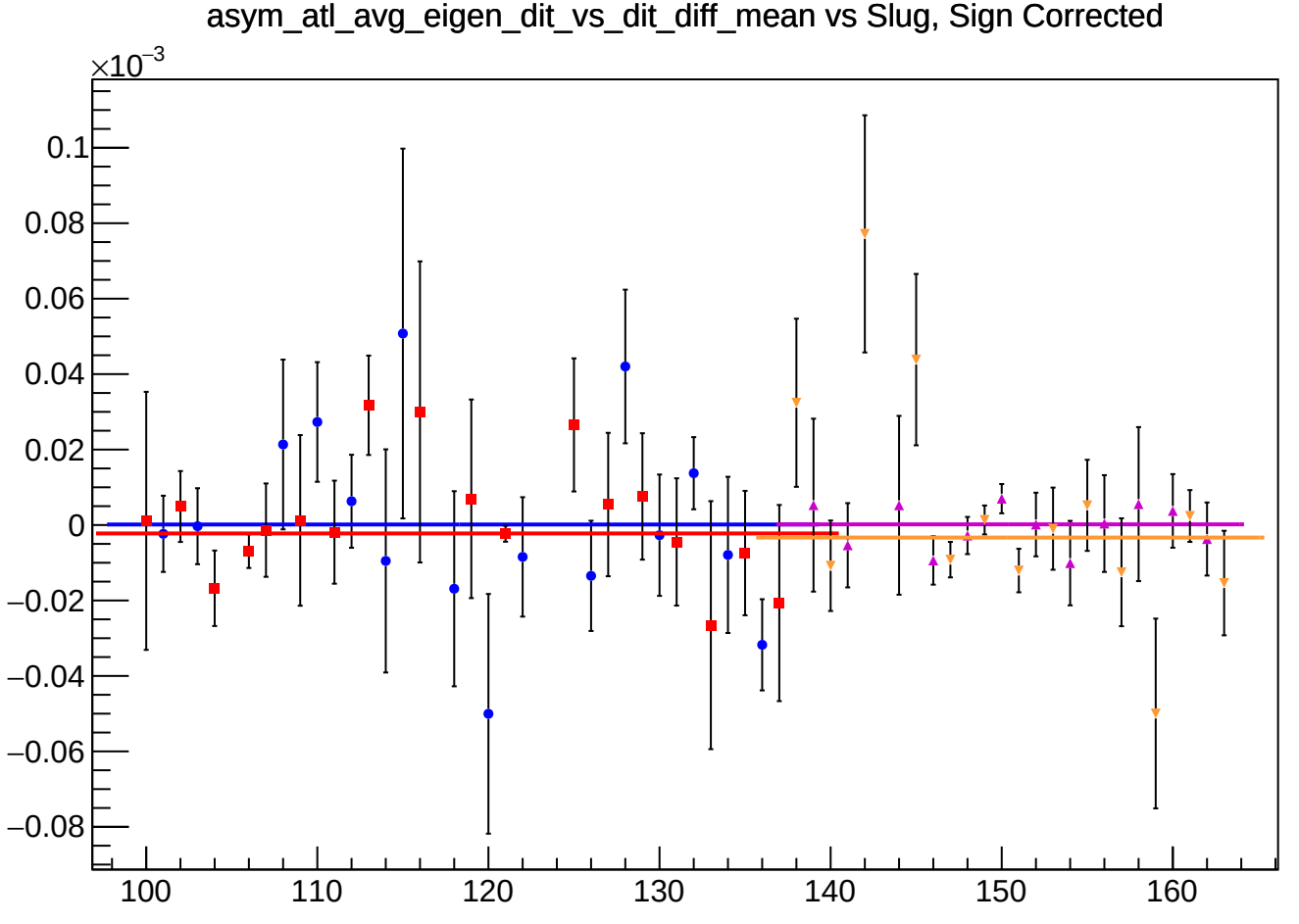
Left: 357.219+/-0.057 χ^2/NDF: 2463645.6/25

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 187.451+/-0.036 χ^2/NDF:7085940.6/27

Out: 178.259+/-0.036 χ^2/NDF:10551421.1/32

All: 182.812+/-0.026 χ^2/NDF: 17669769.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/11

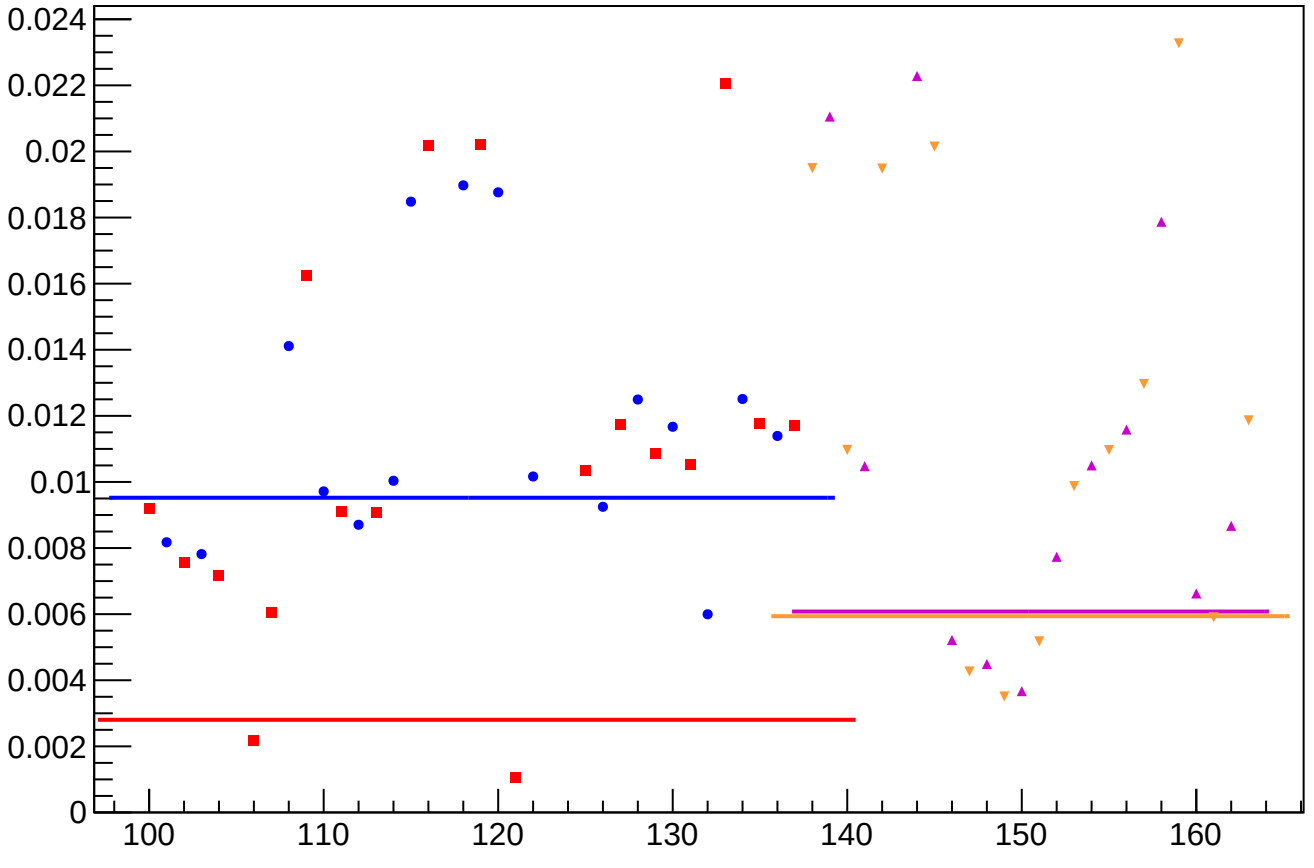
Left: -0.000+/-0.000 χ^2/NDF: 33.4/24

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:30.0/27

Out: -0.000+/-0.000 χ^2/NDF:40.7/30

All: -0.000+/-0.000 χ^2/NDF: 72.2/58



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.006+/-0.000 χ^2/NDF:5740791.5/12

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:4689301.8/11

Left: 0.006+/-0.000 χ^2/NDF: 10434085.9/24

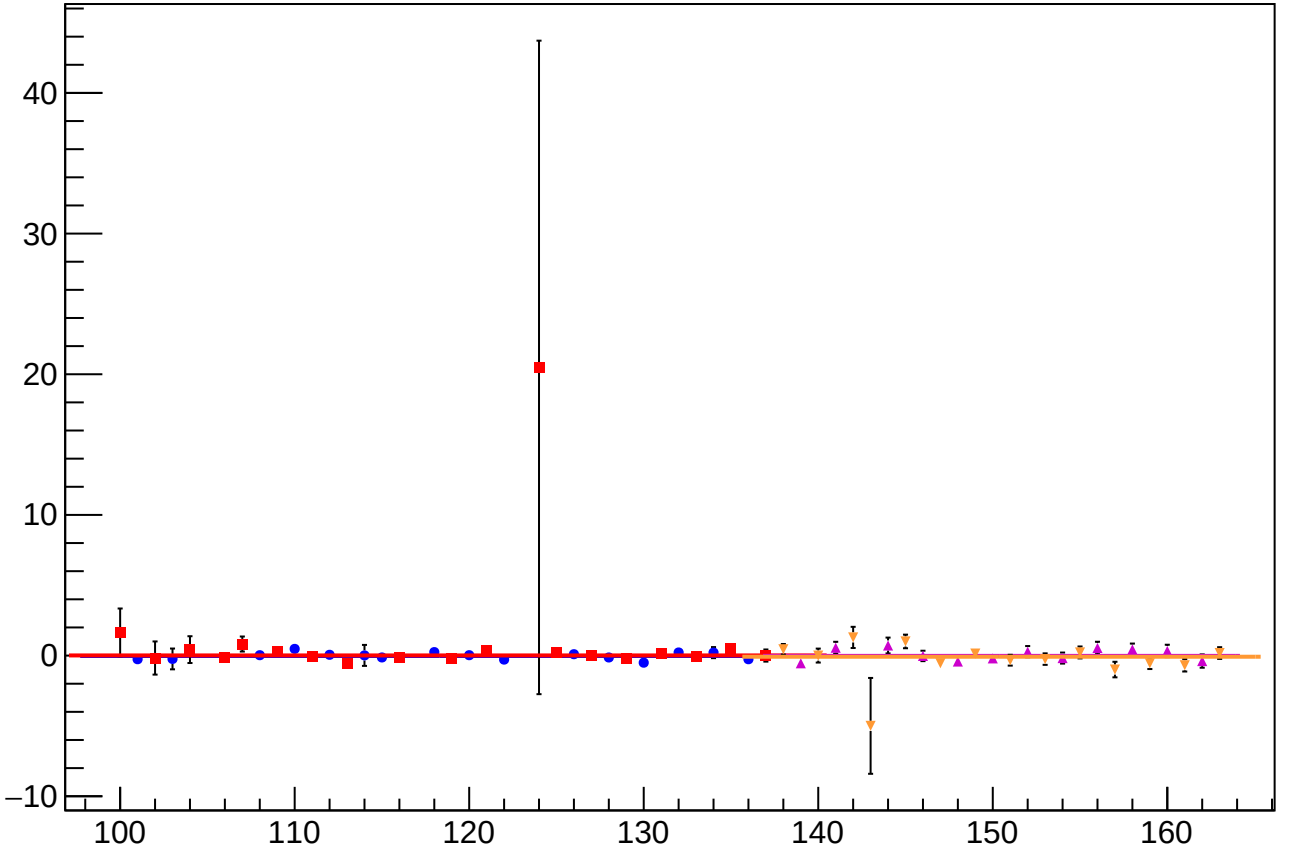
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:7060781.0/27

Out: 0.004+/-0.000 χ^2/NDF:16803928.7/30

All: 0.005+/-0.000 χ^2/NDF: 27124430.8/58

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.022+/-0.111 χ^2/NDF:13.9/11

Left: -0.050+/-0.080 χ^2/NDF: 36.4/25

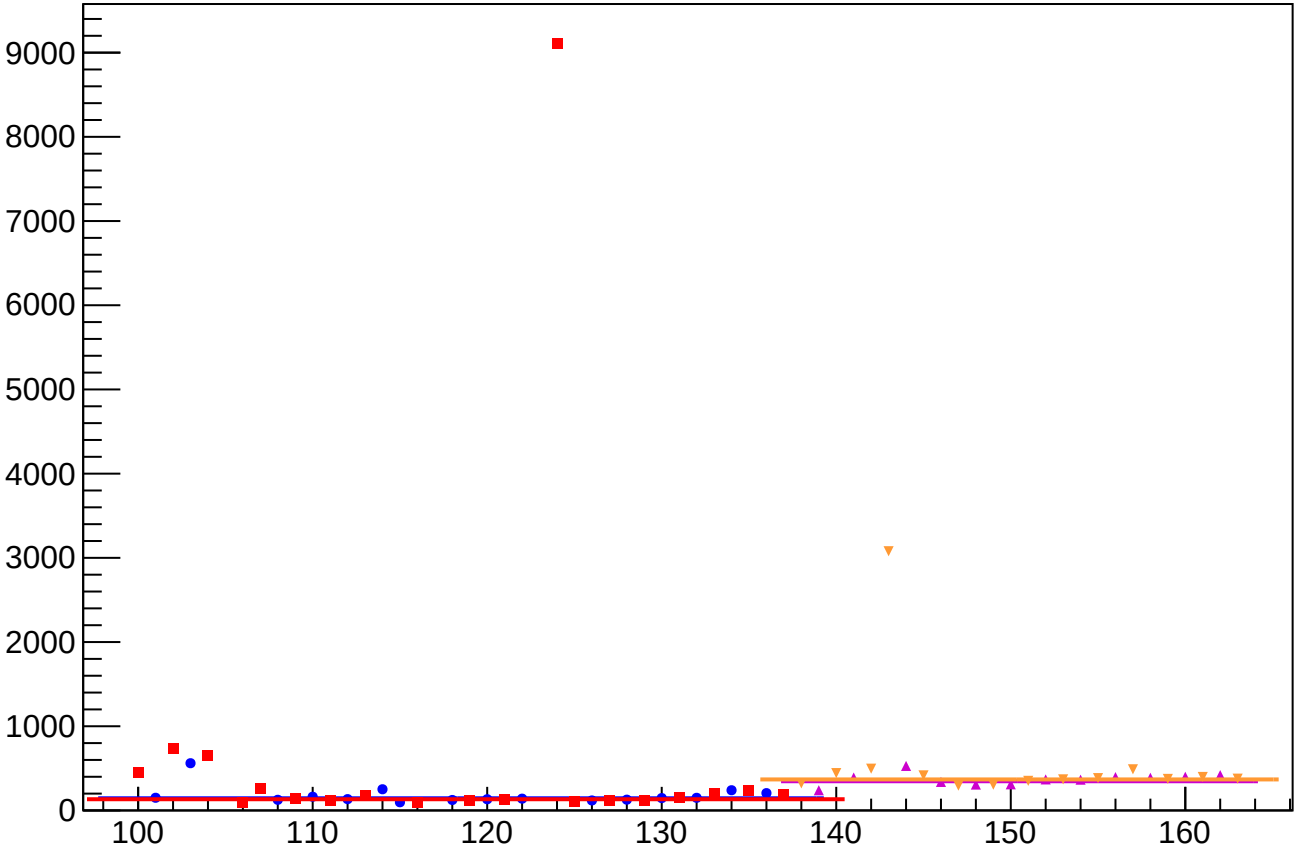
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.027+/-0.051 χ^2/NDF:31.1/27

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.017+/-0.036 χ^2/NDF: 75.9/60

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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.965+/-0.079 χ^2/NDF:725483.3/11

Left: 357.224+/-0.057 χ^2/NDF: 2463674.1/25

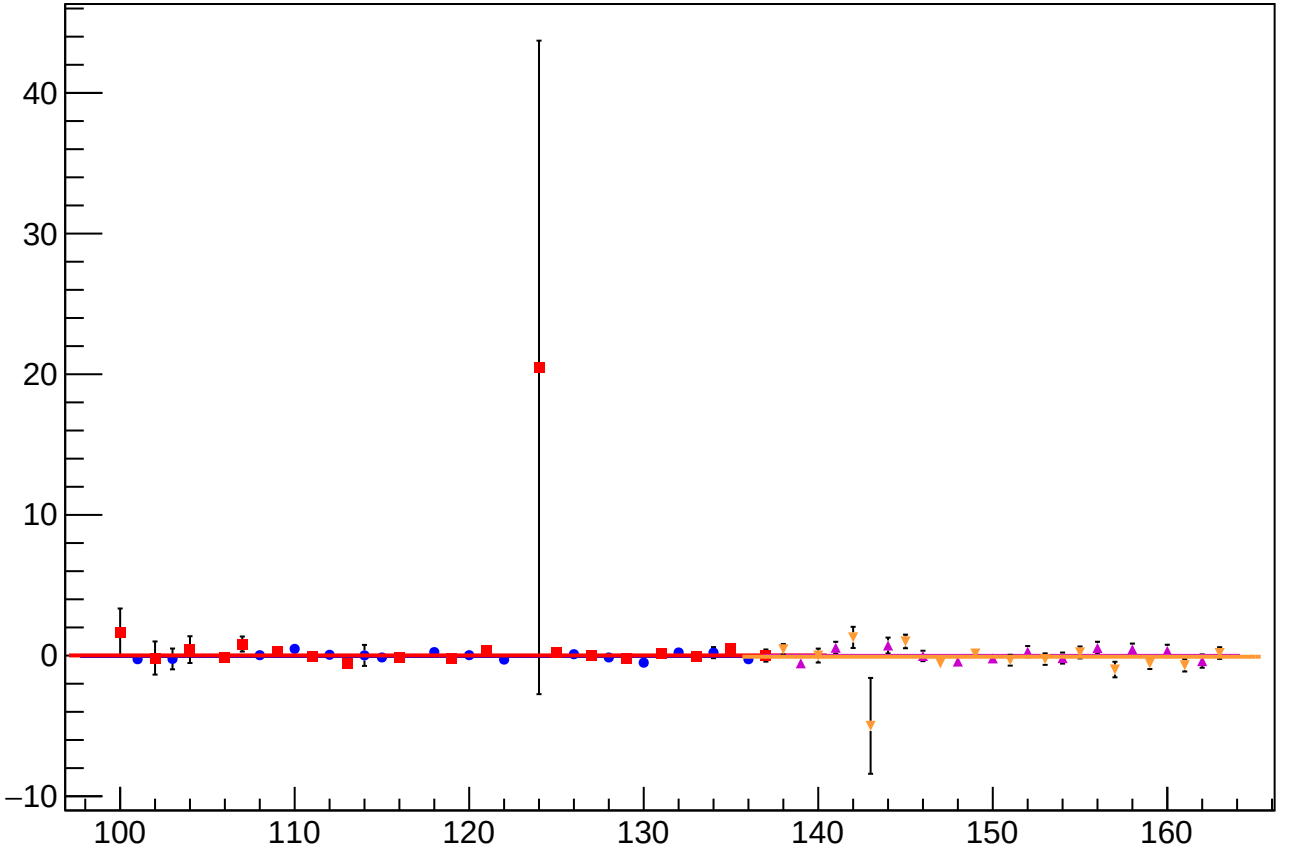
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 187.450+/-0.036 χ^2/NDF:7086204.5/27

Out: 178.258+/-0.036 χ^2/NDF:10551587.3/32

All: 182.810+/-0.026 χ^2/NDF: 17670195.7/60

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: -0.082+/-0.116 χ^2/NDF:22.4/13

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.022+/-0.111 χ^2/NDF:13.9/11

Left: -0.050+/-0.080 χ^2/NDF: 36.4/25

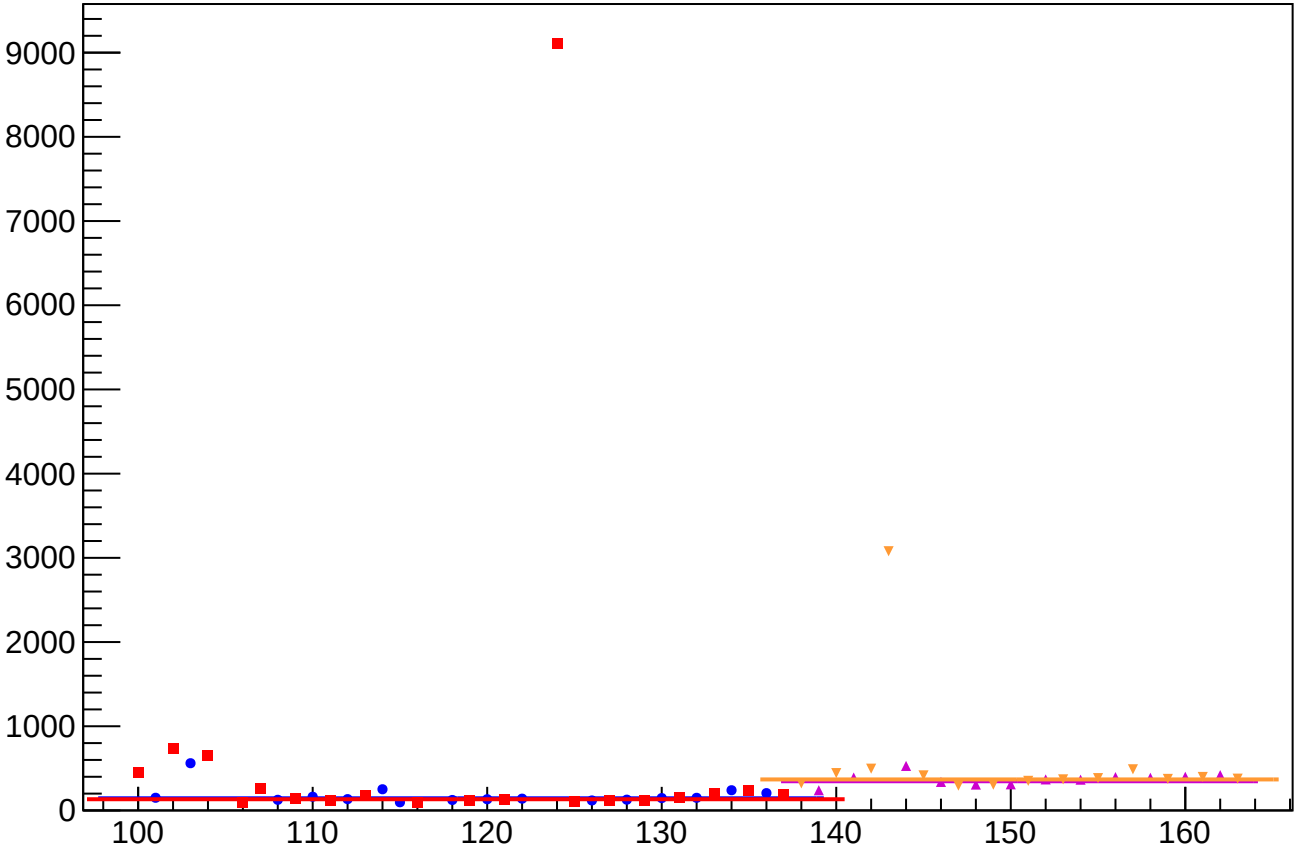
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.027+/-0.051 χ^2/NDF:31.1/27

Out: -0.007+/-0.051 χ^2/NDF:44.7/32

All: -0.017+/-0.036 χ^2/NDF: 75.9/60

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: 368.425+/-0.082 χ^2/NDF:1702565.4/13

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 346.965+/-0.079 χ^2/NDF:725483.3/11

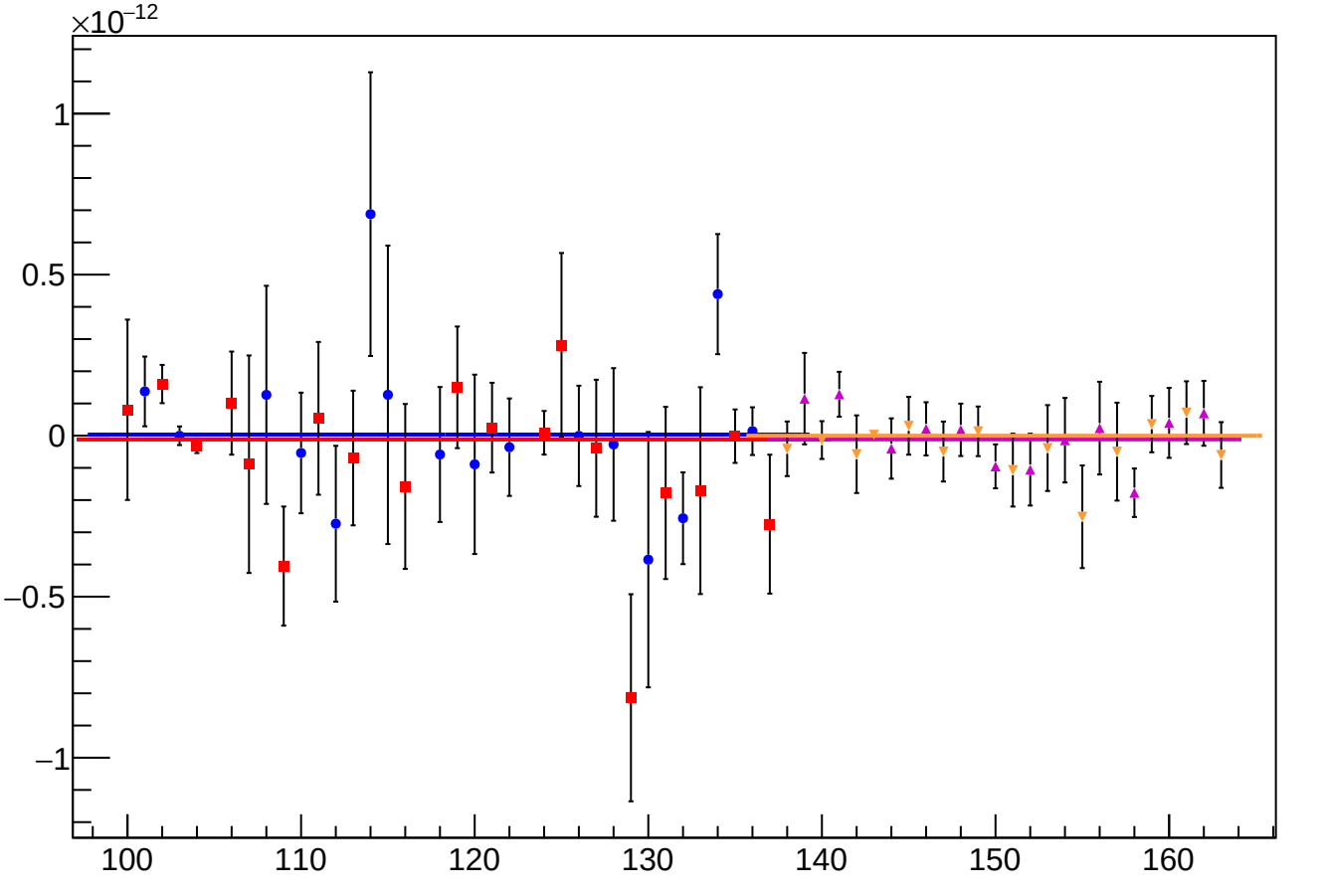
Left: 357.224+/-0.057 χ^2/NDF: 2463674.1/25

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 187.450+/-0.036 χ^2/NDF:7086204.5/27

Out: 178.258+/-0.036 χ^2/NDF:10551587.3/32

All: 182.810+/-0.026 χ^2/NDF: 17670195.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/11

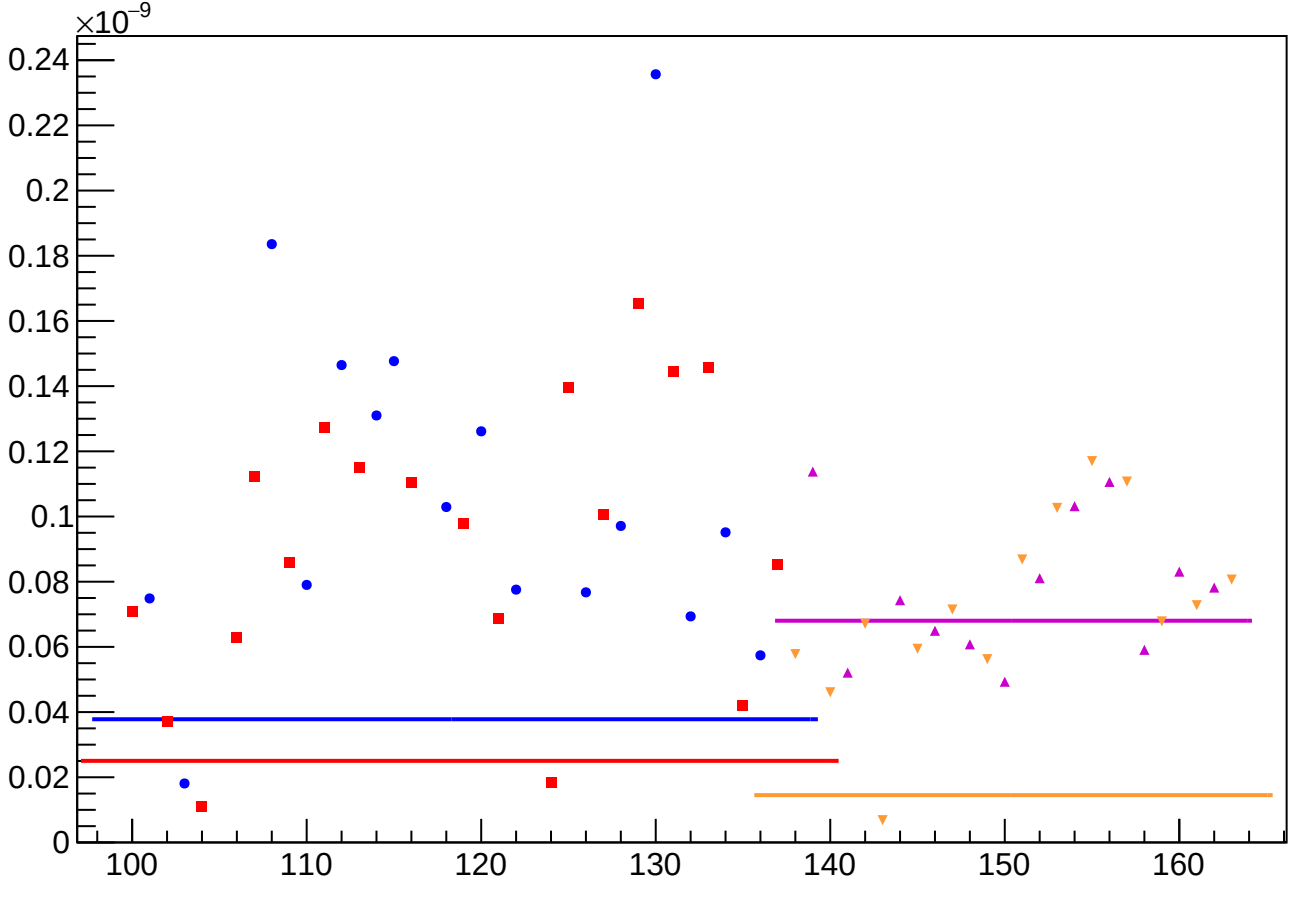
Left: -0.000+/-0.000 χ^2/NDF: 19.0/25

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:29.0/27

Out: -0.000+/-0.000 χ^2/NDF:31.1/32

All: -0.000+/-0.000 χ^2/NDF: 60.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10102613.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:922932.9/11

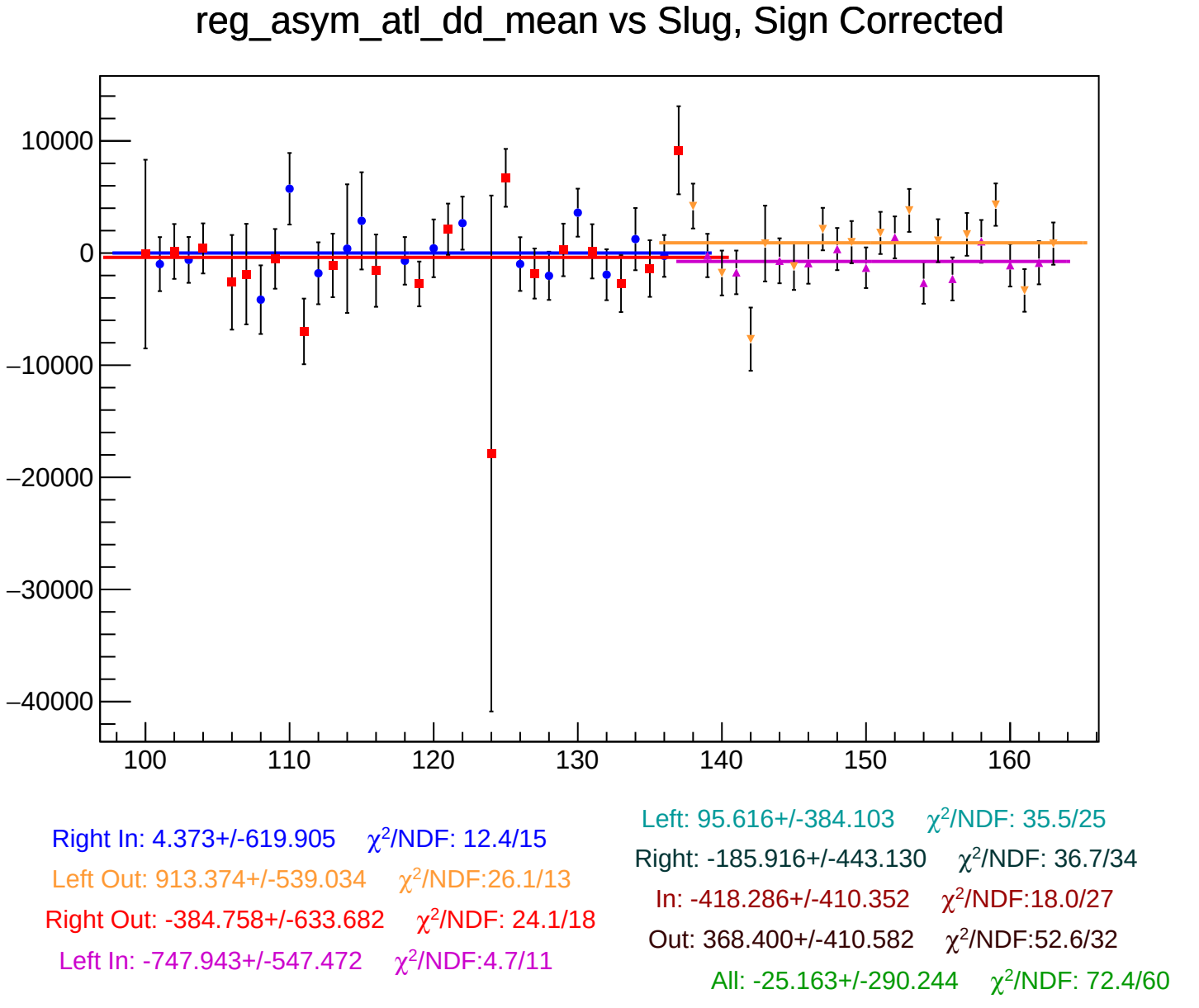
Left: 0.000+/-0.000 χ^2/NDF: 18289001.5/25

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

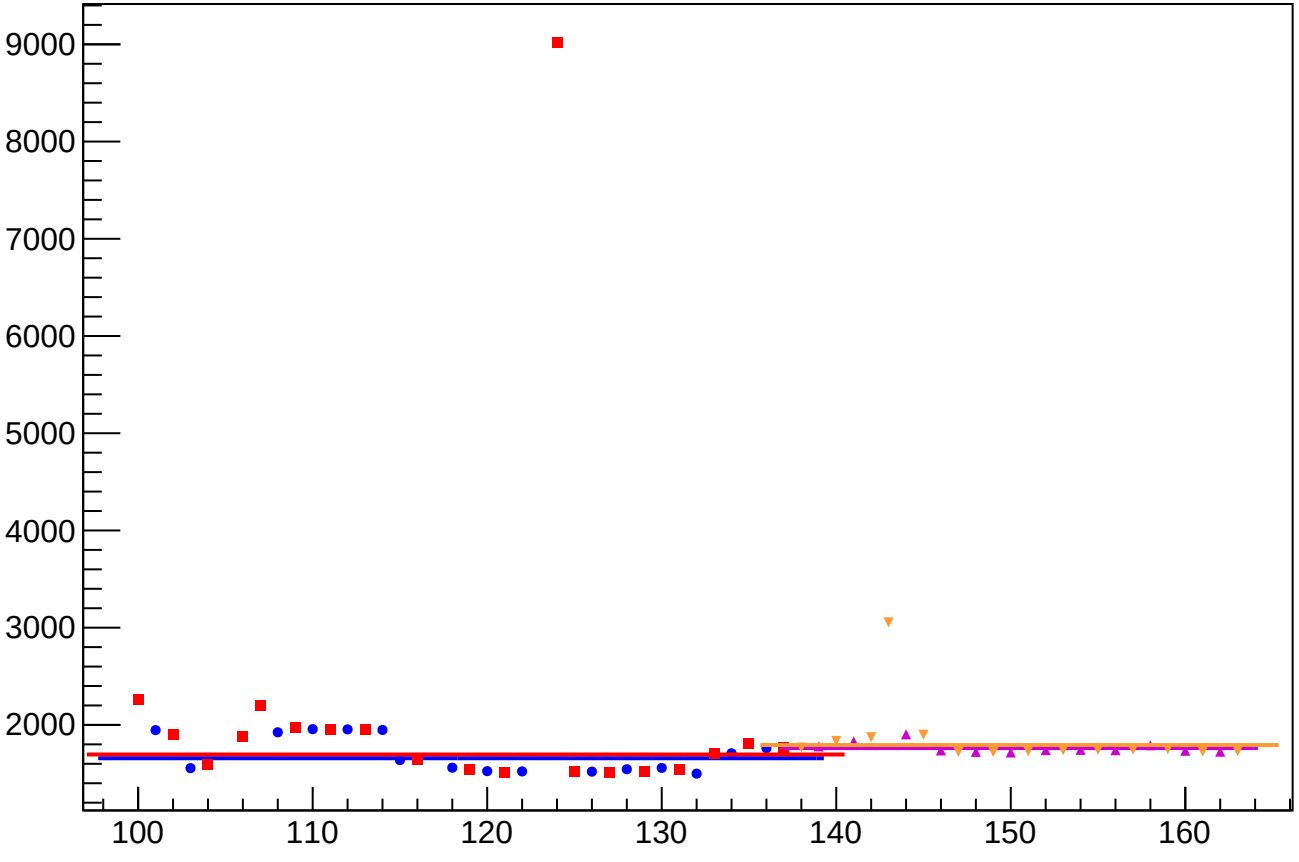
In: 0.000+/-0.000 χ^2/NDF:6301457.7/27

Out: 0.000+/-0.000 χ^2/NDF:15316815.5/32

All: 0.000+/-0.000 χ^2/NDF: 27884729.2/60


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 913.374+/-539.034 χ²/NDF:26.1/13
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -747.943+/-547.472 χ²/NDF:4.7/11
Left: 95.616+/-384.103 χ²/NDF: 35.5/25
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -418.286+/-410.352 χ²/NDF:18.0/27
Out: 368.400+/-410.582 χ²/NDF:52.6/32
All: -25.163+/-290.244 χ²/NDF: 72.4/60

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1761.654+/-0.387 χ^2/NDF:17325.0/11

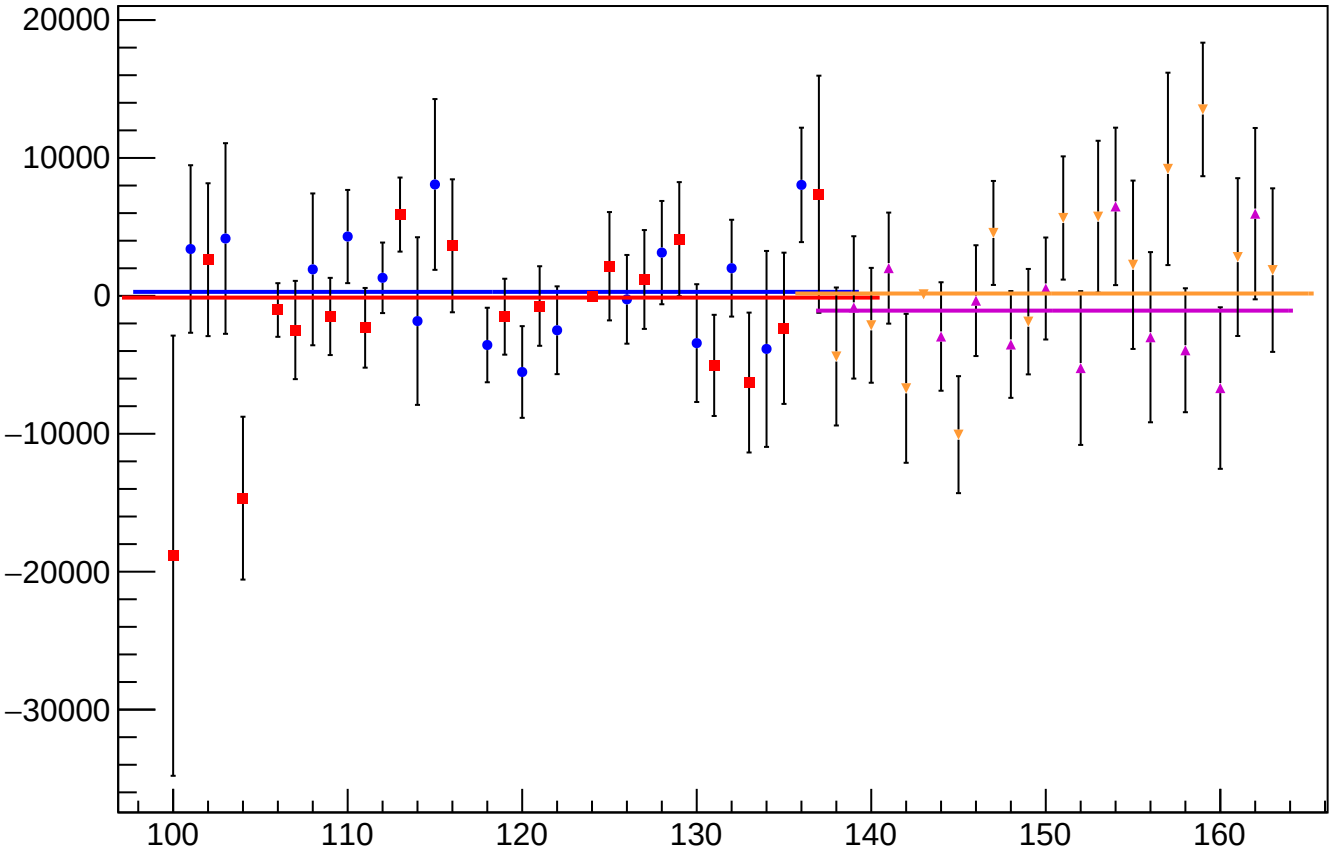
Left: 1777.526+/-0.272 χ^2/NDF: 325021.4/25

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1715.848+/-0.290 χ^2/NDF:193259.2/27

Out: 1751.861+/-0.290 χ^2/NDF:718085.5/32

All: 1733.879+/-0.205 χ^2/NDF: 919057.2/60



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 170.012+/-351.351 χ^2/NDF:22.5/13

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1070.651+/-1337.001 χ^2/NDF:6.5/11

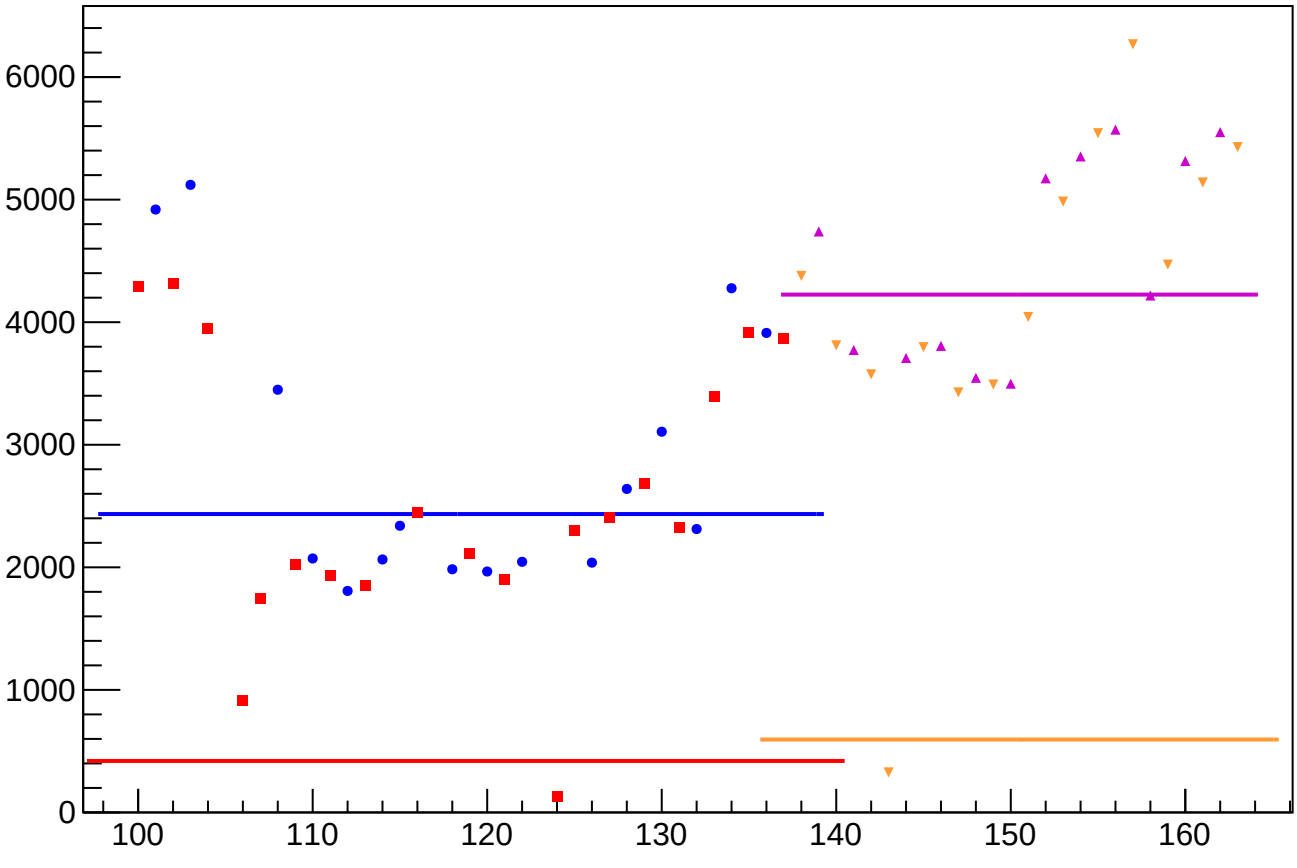
Left: 89.868+/-339.814 χ^2/NDF: 29.7/25

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -174.031+/-780.376 χ^2/NDF:22.4/27

Out: 10.132+/-238.072 χ^2/NDF:43.7/32

All: -5.549+/-227.712 χ^2/NDF: 66.1/60



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 594.786+/-0.248 χ^2/NDF:16417548.2/13

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4225.152+/-0.945 χ^2/NDF:631518.4/11

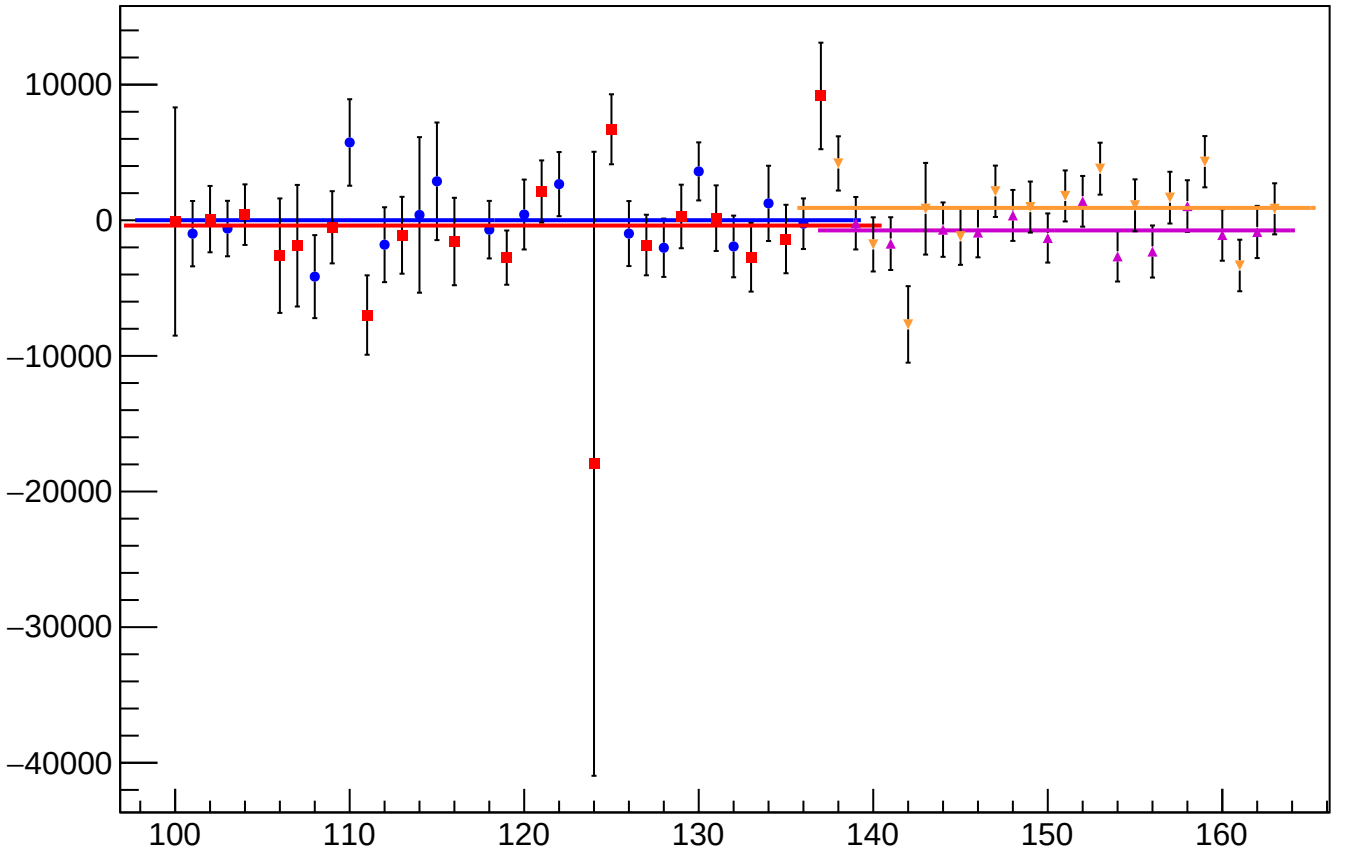
Left: 829.300+/-0.240 χ^2/NDF: 30842283.4/25

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3044.598+/-0.552 χ^2/NDF:4454293.1/27

Out: 500.407+/-0.168 χ^2/NDF:27748331.1/32

All: 717.034+/-0.161 χ^2/NDF: 51650540.1/60



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -747.930+/-547.472 χ^2/NDF:4.7/11

Left: 95.574+/-384.103 χ^2/NDF: 35.5/25

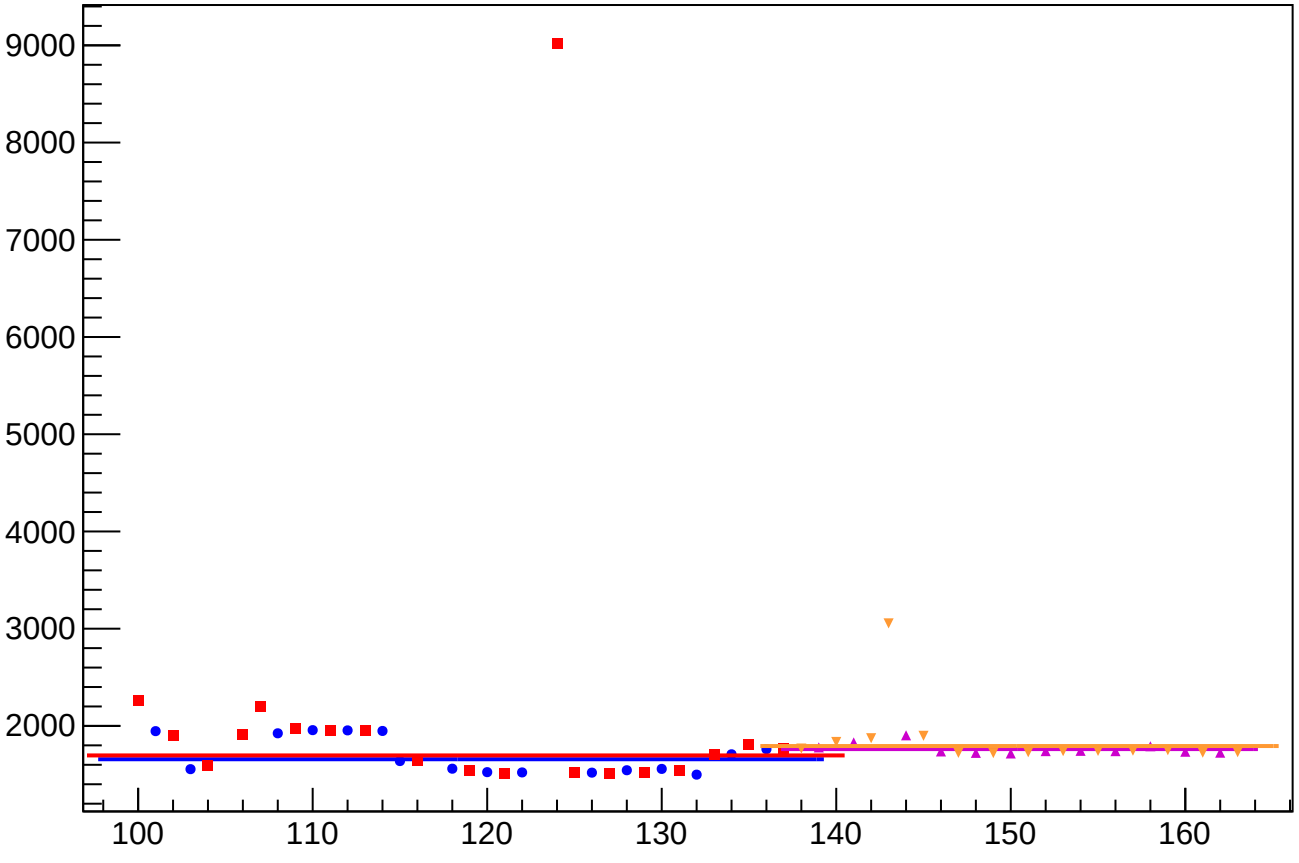
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -418.312+/-410.352 χ^2/NDF:18.0/27

Out: 366.547+/-410.584 χ^2/NDF:52.6/32

All: -26.104+/-290.245 χ^2/NDF: 72.4/60

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1761.654+/-0.387 χ^2/NDF:17325.0/11

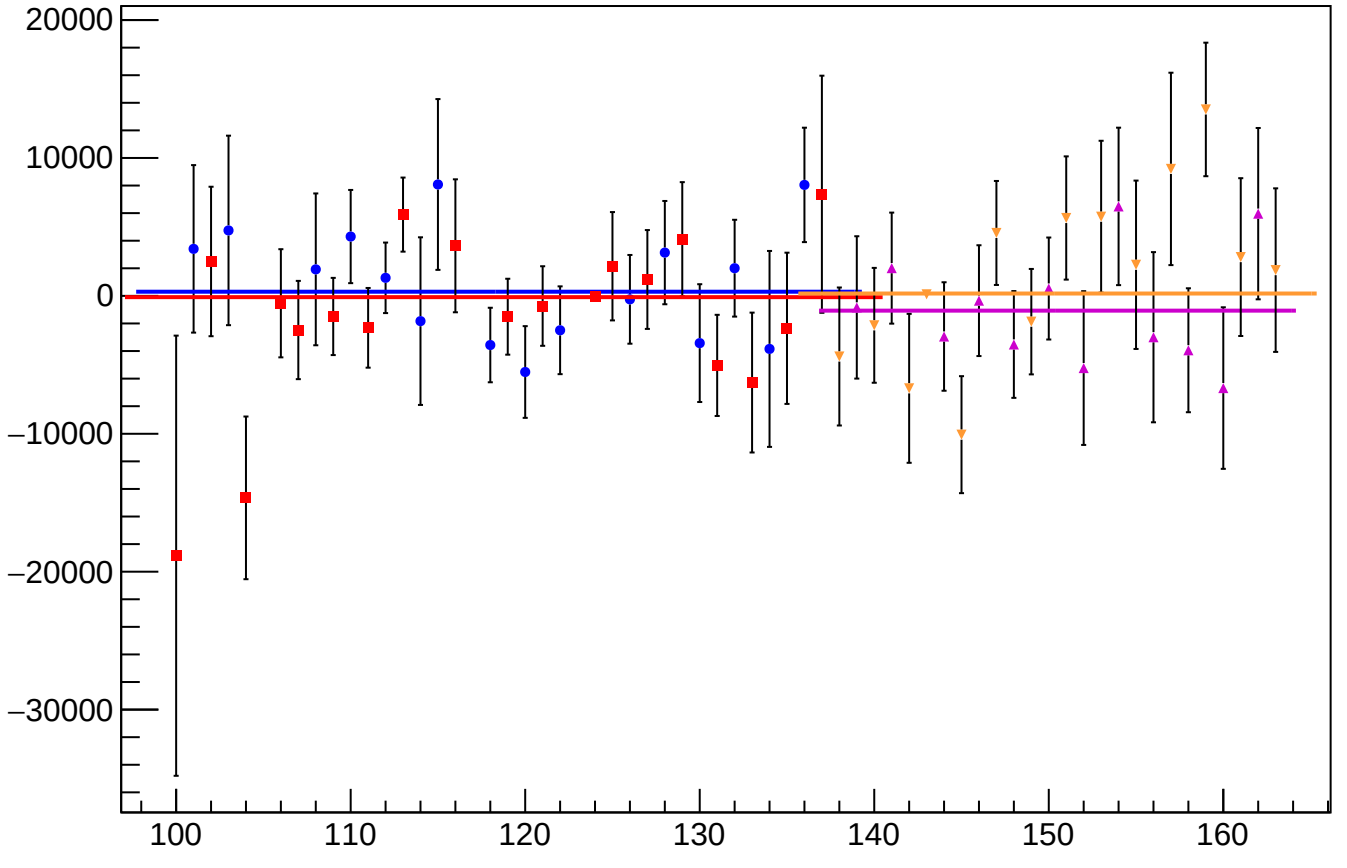
Left: 1777.526+/-0.272 χ^2/NDF: 325021.4/25

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.848+/-0.290 χ^2/NDF:193259.3/27

Out: 1752.218+/-0.290 χ^2/NDF:719382.1/32

All: 1734.054+/-0.205 χ^2/NDF: 920506.3/60



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 170.444+/-351.325 χ^2/NDF:22.5/13

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1070.664+/-1337.000 χ^2/NDF:6.5/11

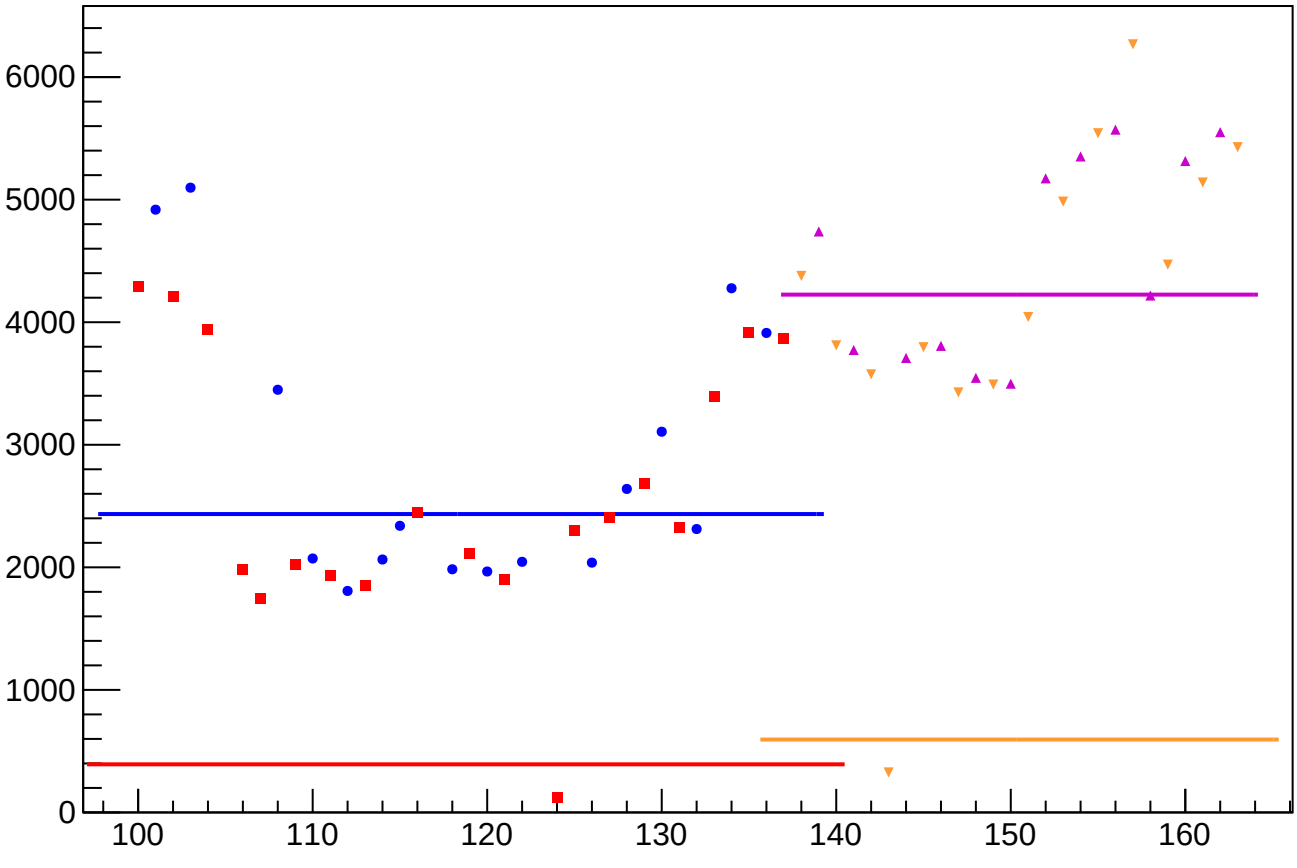
Left: 90.282+/-339.790 χ^2/NDF: 29.7/25

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -165.668+/-780.313 χ^2/NDF:22.5/27

Out: 25.134+/-234.845 χ^2/NDF:43.4/32

All: 9.287+/-224.881 χ^2/NDF: 65.9/60



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4225.149+/-0.945 χ^2/NDF:631510.1/11

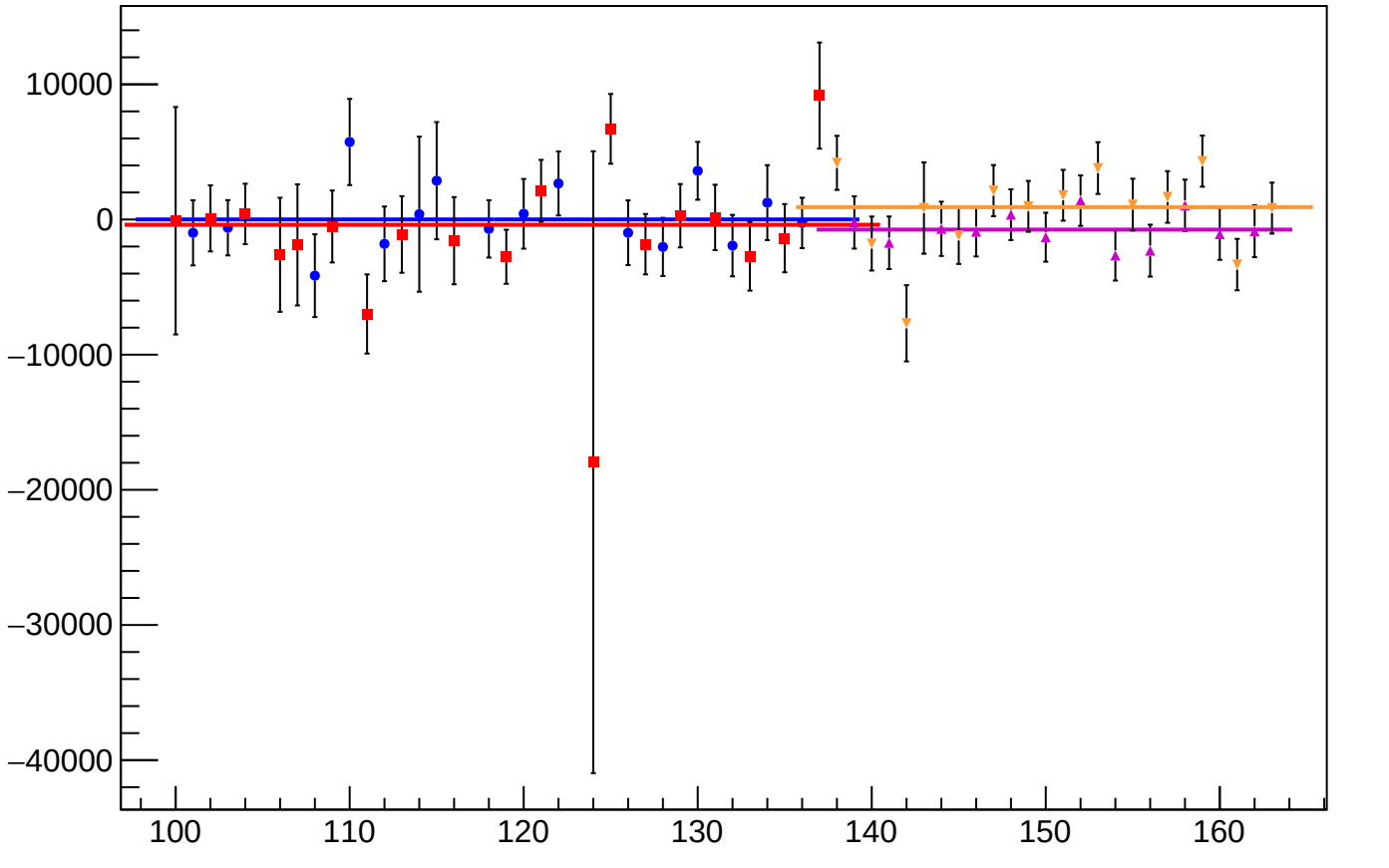
Left: 829.206+/-0.240 χ^2/NDF: 30843302.9/25

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3044.607+/-0.552 χ^2/NDF:4452347.9/27

Out: 482.950+/-0.166 χ^2/NDF:28191881.3/32

All: 695.710+/-0.159 χ^2/NDF: 52408363.4/60



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 913.278+/-539.034 χ^2/NDF:26.1/13

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -747.930+/-547.472 χ^2/NDF:4.7/11

Left: 95.574+/-384.103 χ^2/NDF: 35.5/25

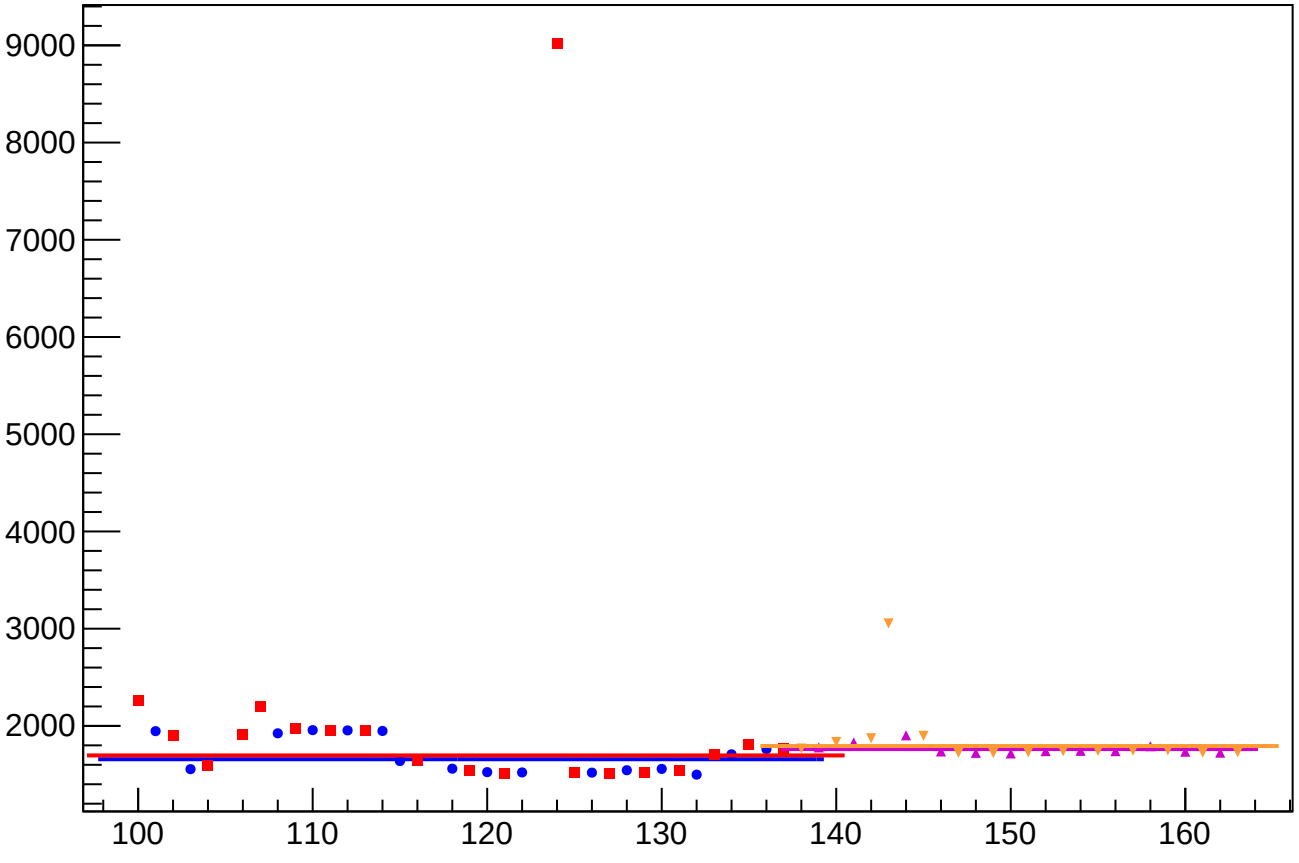
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -418.312+/-410.352 χ^2/NDF:18.0/27

Out: 366.547+/-410.584 χ^2/NDF:52.6/32

All: -26.104+/-290.245 χ^2/NDF: 72.4/60

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1792.912+/-0.381 χ^2/NDF:304386.1/13

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1761.654+/-0.387 χ^2/NDF:17325.0/11

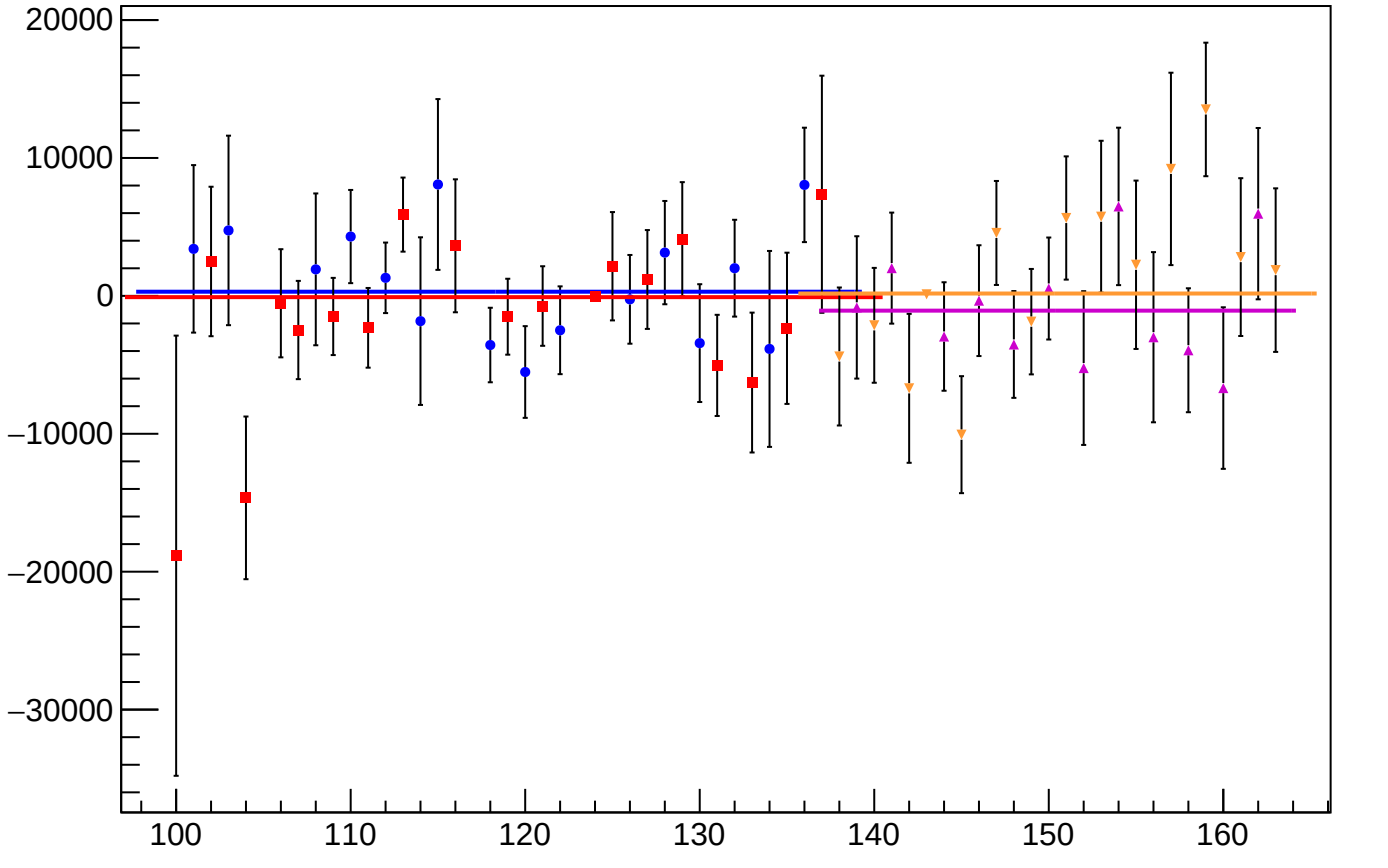
Left: 1777.526+/-0.272 χ^2/NDF: 325021.4/25

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.848+/-0.290 χ^2/NDF:193259.3/27

Out: 1752.218+/-0.290 χ^2/NDF:719382.1/32

All: 1734.054+/-0.205 χ^2/NDF: 920506.3/60



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 170.444+/-351.325 χ^2/NDF:22.5/13

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -1070.664+/-1337.000 χ^2/NDF:6.5/11

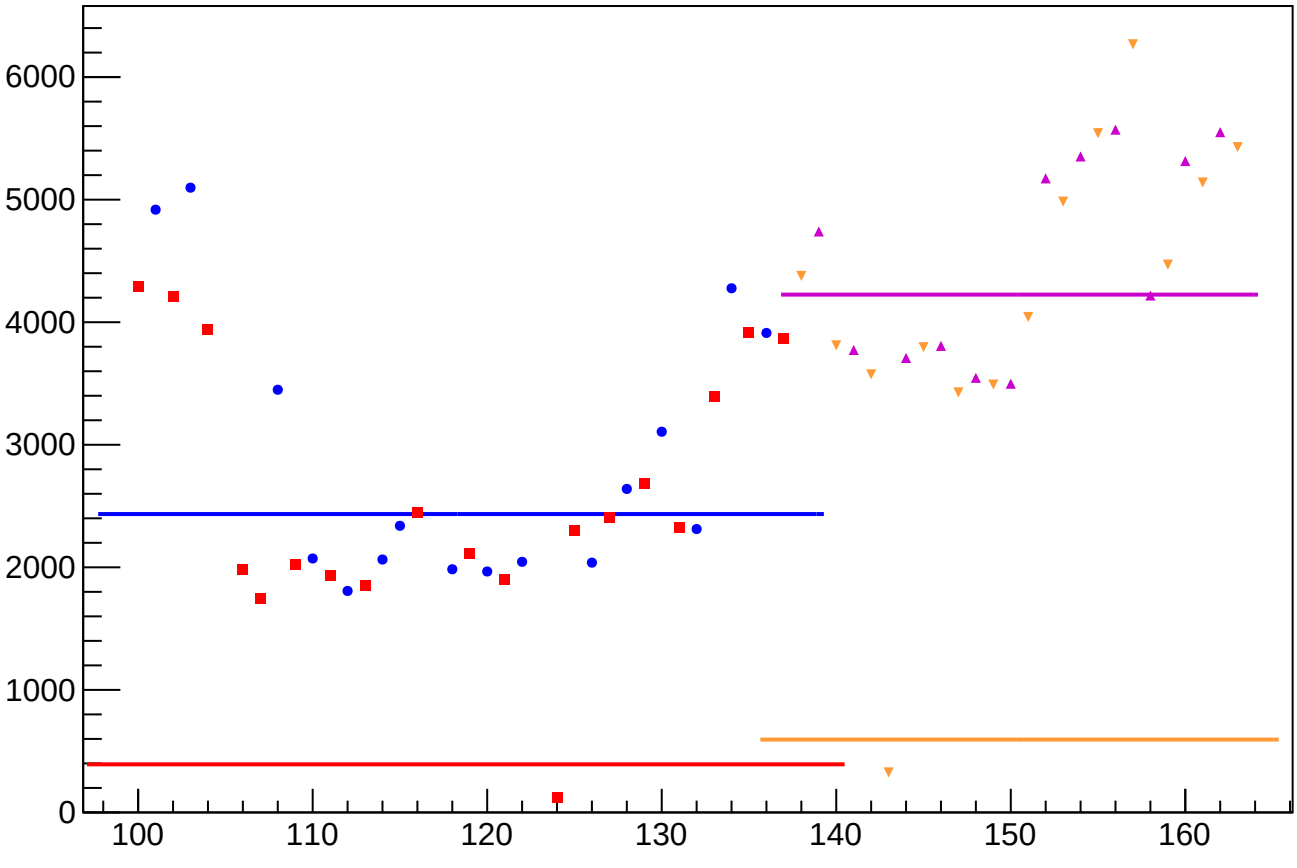
Left: 90.282+/-339.790 χ^2/NDF: 29.7/25

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -165.668+/-780.313 χ^2/NDF:22.5/27

Out: 25.134+/-234.845 χ^2/NDF:43.4/32

All: 9.287+/-224.881 χ^2/NDF: 65.9/60



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 594.720+/-0.248 χ^2/NDF:16417940.1/13

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4225.149+/-0.945 χ^2/NDF:631510.1/11

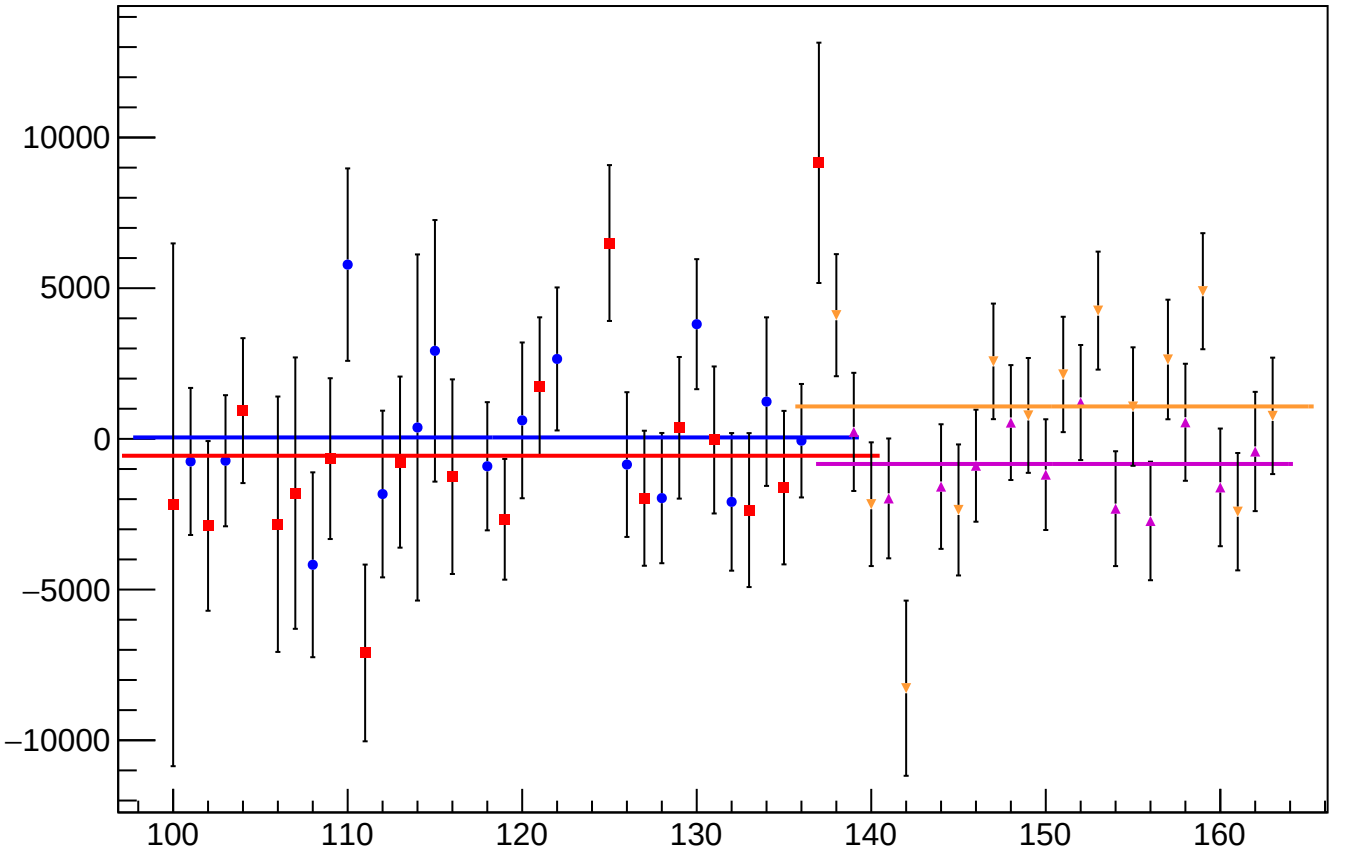
Left: 829.206+/-0.240 χ^2/NDF: 30843302.9/25

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3044.607+/-0.552 χ^2/NDF:4452347.9/27

Out: 482.950+/-0.166 χ^2/NDF:28191881.3/32

All: 695.710+/-0.159 χ^2/NDF: 52408363.4/60



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1076.488+/-558.448 χ^2/NDF:29.0/12

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -832.316+/-559.060 χ^2/NDF:4.7/11

Left: 123.131+/-395.098 χ^2/NDF: 39.5/24

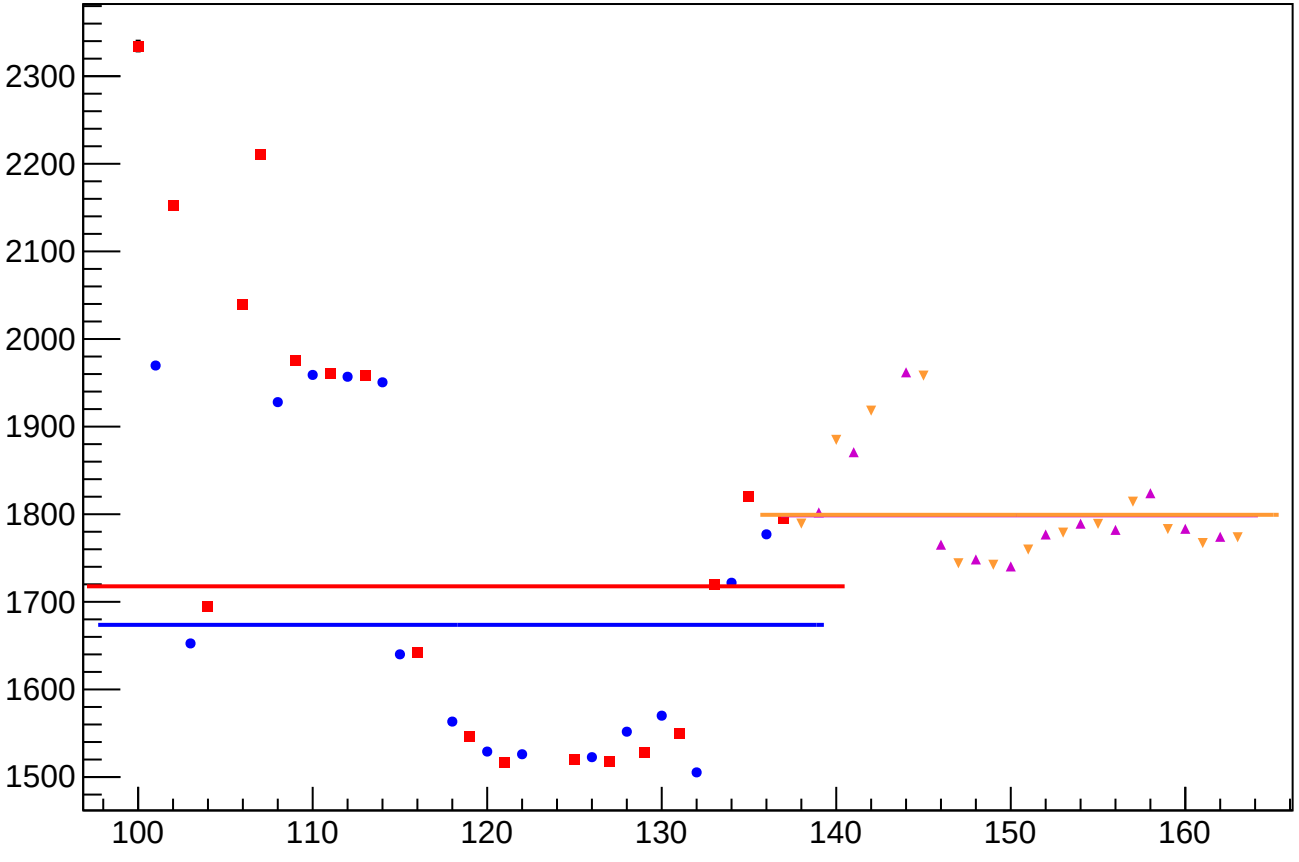
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -441.684+/-417.025 χ^2/NDF:18.6/27

Out: 375.869+/-422.273 χ^2/NDF:55.9/30

All: -38.020+/-296.719 χ^2/NDF: 76.4/58

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1799.337+/-0.395 χ^2/NDF:23298.3/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1798.732+/-0.395 χ^2/NDF:20380.1/11

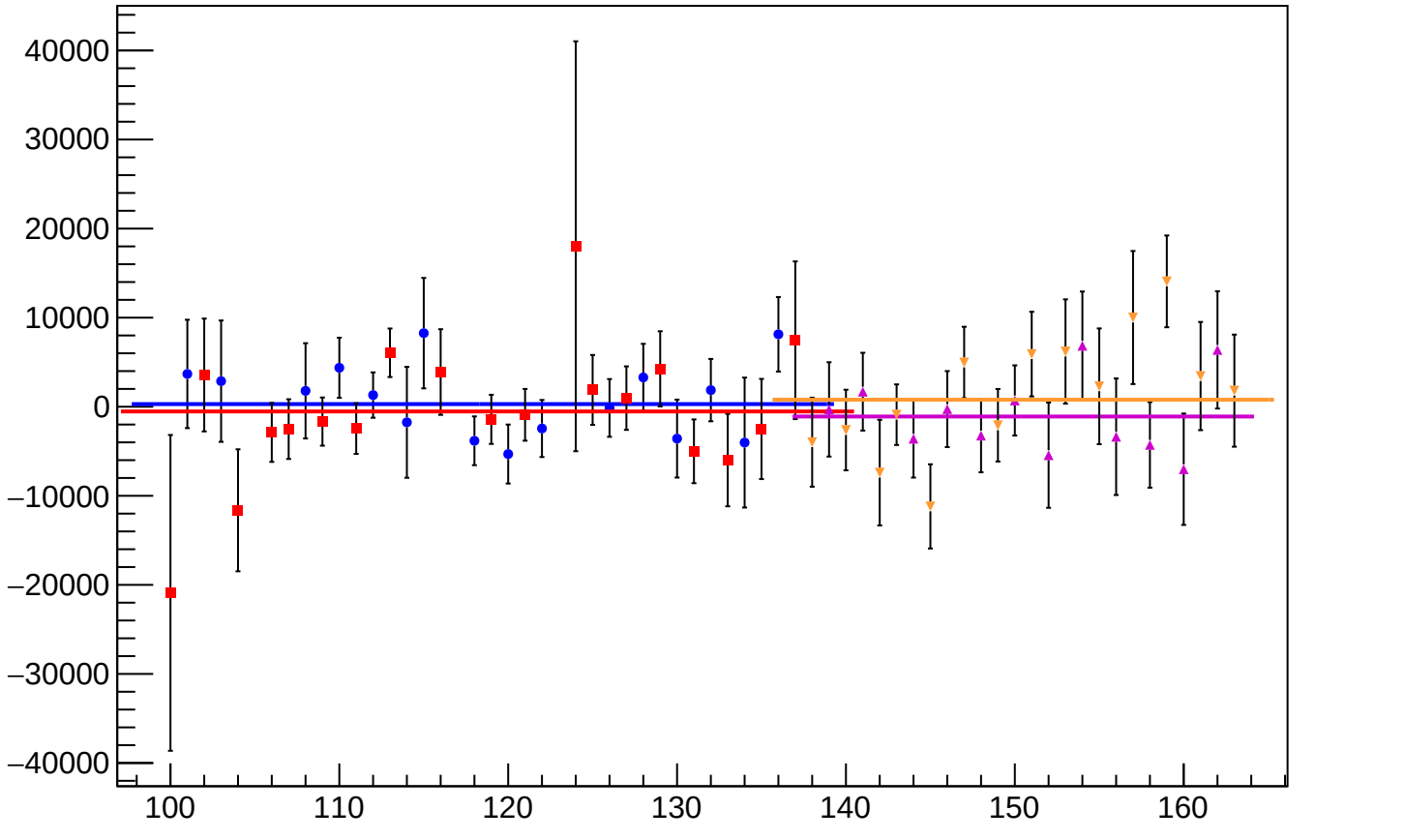
Left: 1799.035+/-0.279 χ^2/NDF: 43679.6/24

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1743.284+/-0.295 χ^2/NDF:205606.4/27

Out: 1764.291+/-0.298 χ^2/NDF:269285.6/30

All: 1753.666+/-0.210 χ^2/NDF: 477400.3/58



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 786.235+/-1317.372 χ^2/NDF:22.1/13

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1098.119+/-1429.008 χ^2/NDF:6.3/11

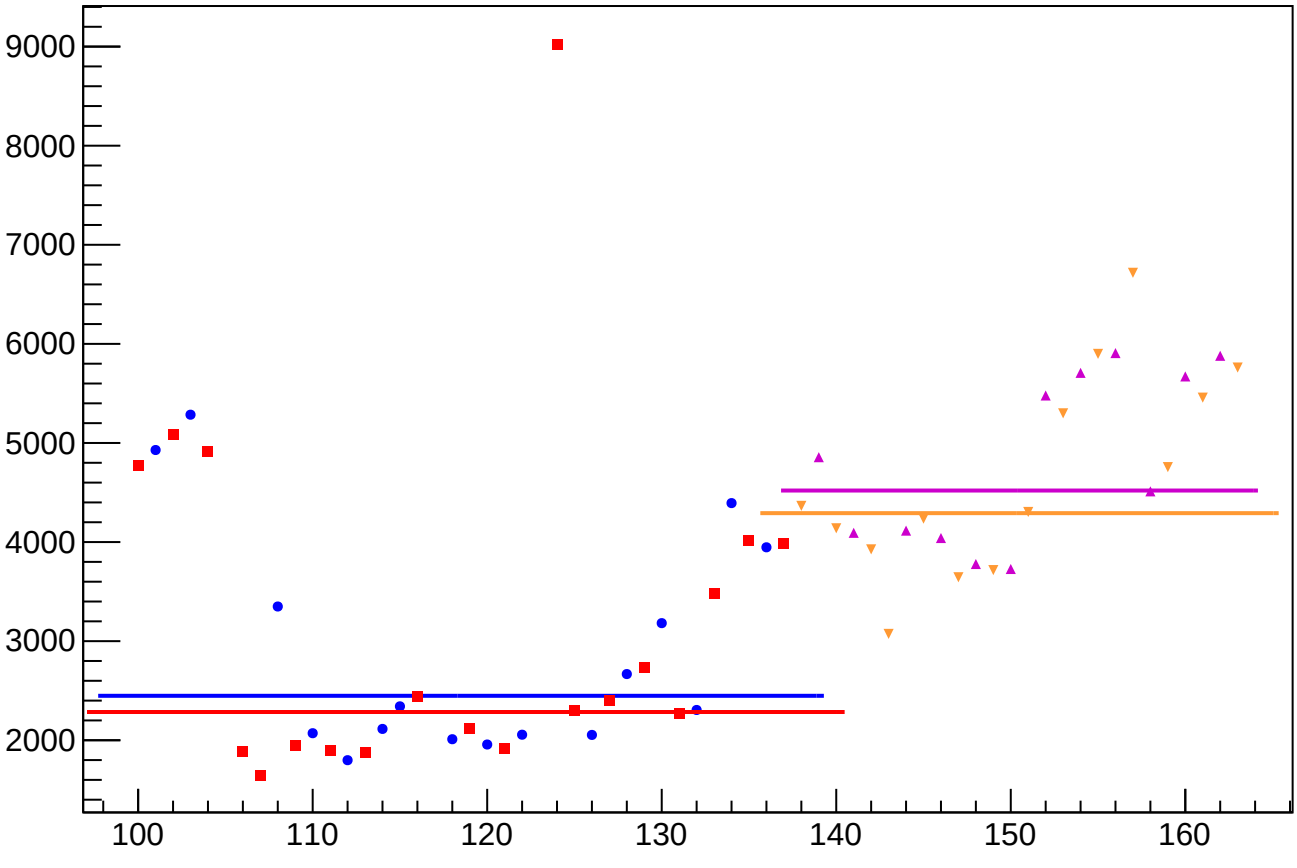
Left: -79.473+/-968.588 χ^2/NDF: 29.3/25

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -140.078+/-799.546 χ^2/NDF:22.2/27

Out: -122.049+/-734.032 χ^2/NDF:41.6/32

All: -130.295+/-540.719 χ^2/NDF: 63.7/60



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4291.806+/-0.932 χ^2/NDF:950706.7/13

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4520.047+/-1.010 χ^2/NDF:587013.2/11

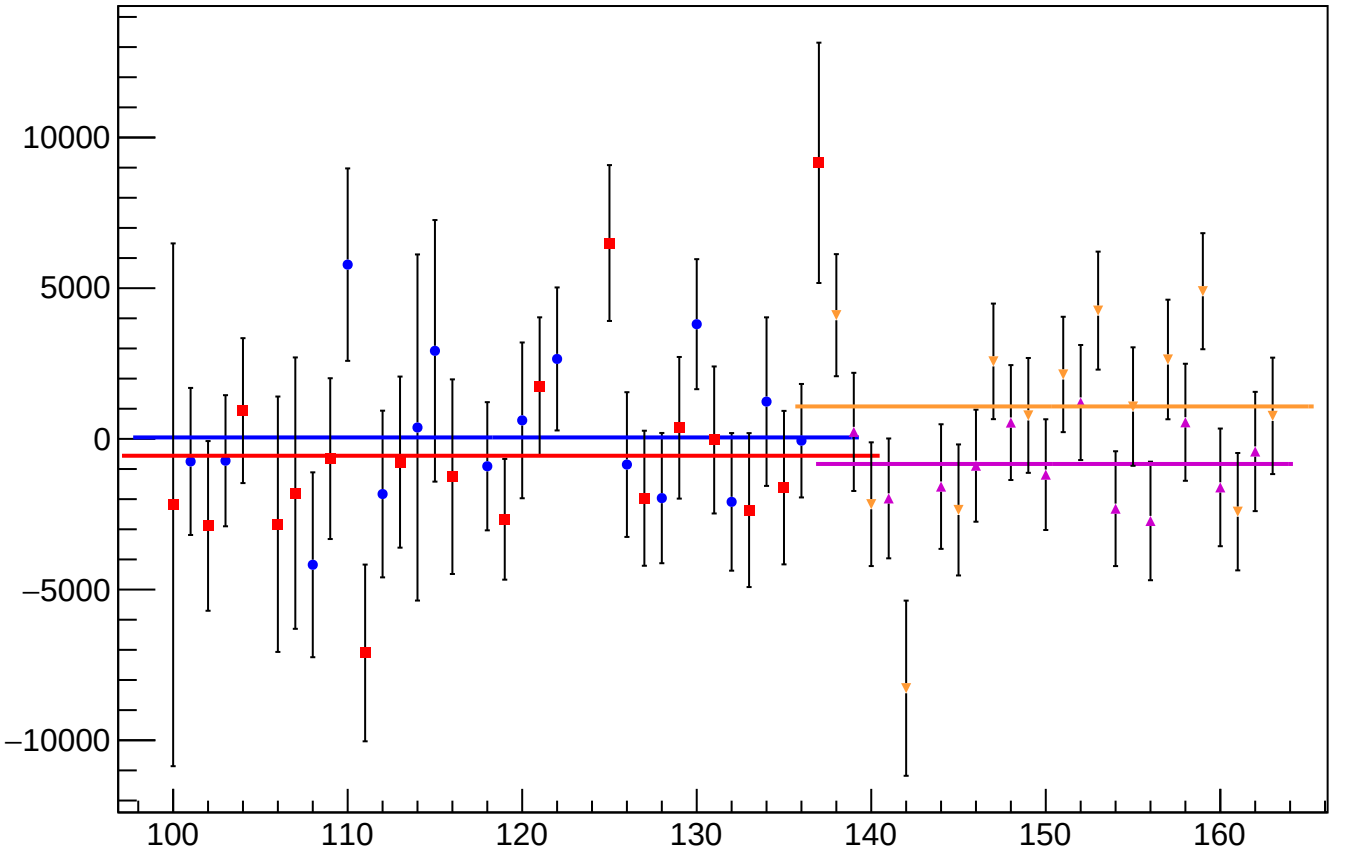
Left: 4396.664+/-0.685 χ^2/NDF: 1565300.7/25

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3097.072+/-0.565 χ^2/NDF:4991503.9/27

Out: 2908.095+/-0.519 χ^2/NDF:5699509.0/32

All: 2994.525+/-0.382 χ^2/NDF: 10751640.8/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 1076.491+/-558.448 χ^2/NDF:29.0/12

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -832.317+/-559.060 χ^2/NDF:4.7/11

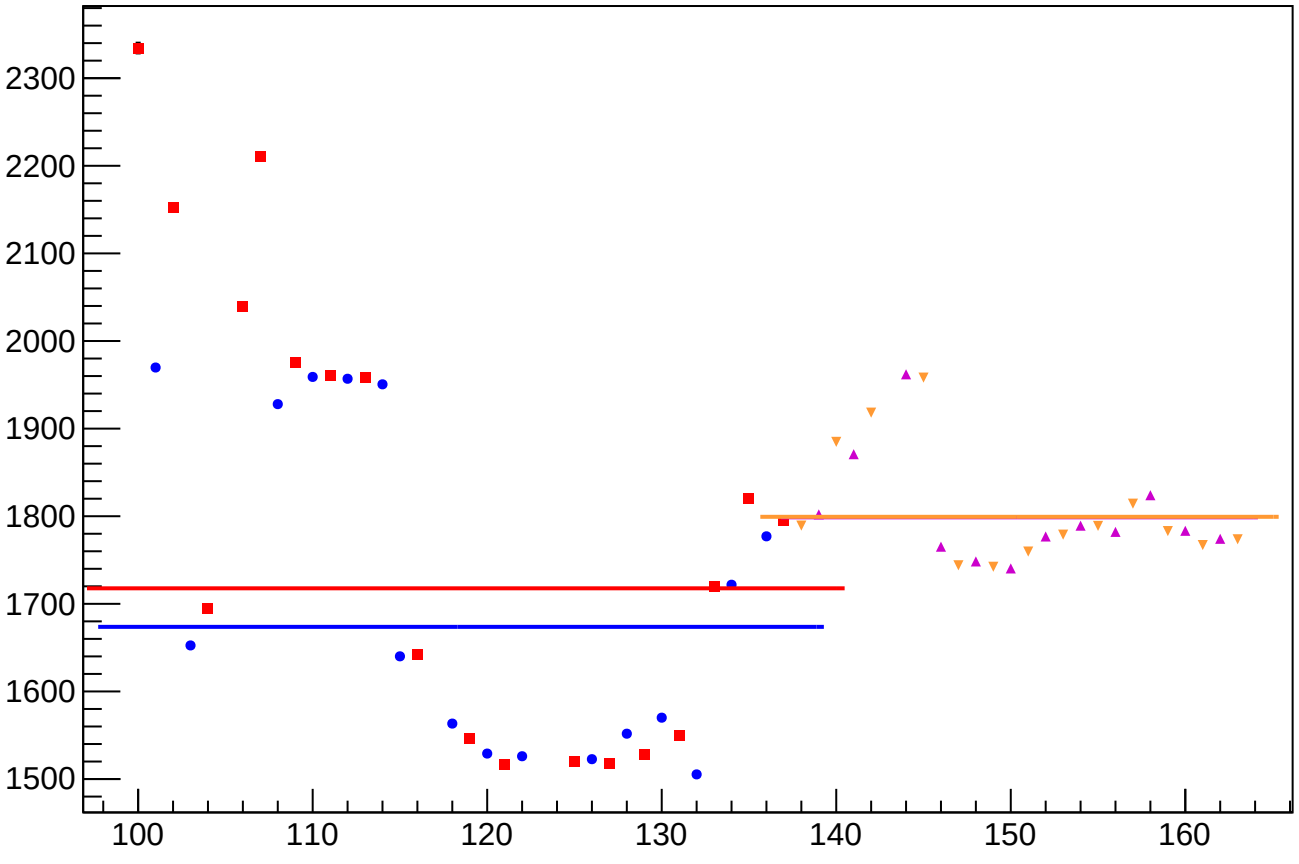
Left: 123.132+/-395.099 χ^2/NDF: 39.5/24

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -441.685+/-417.025 χ^2/NDF:18.6/27

Out: 375.869+/-422.273 χ^2/NDF:55.9/30

All: -38.020+/-296.719 χ^2/NDF: 76.4/58



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1799.338+/-0.395 χ^2/NDF:23298.7/12

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1798.733+/-0.395 χ^2/NDF:20380.3/11

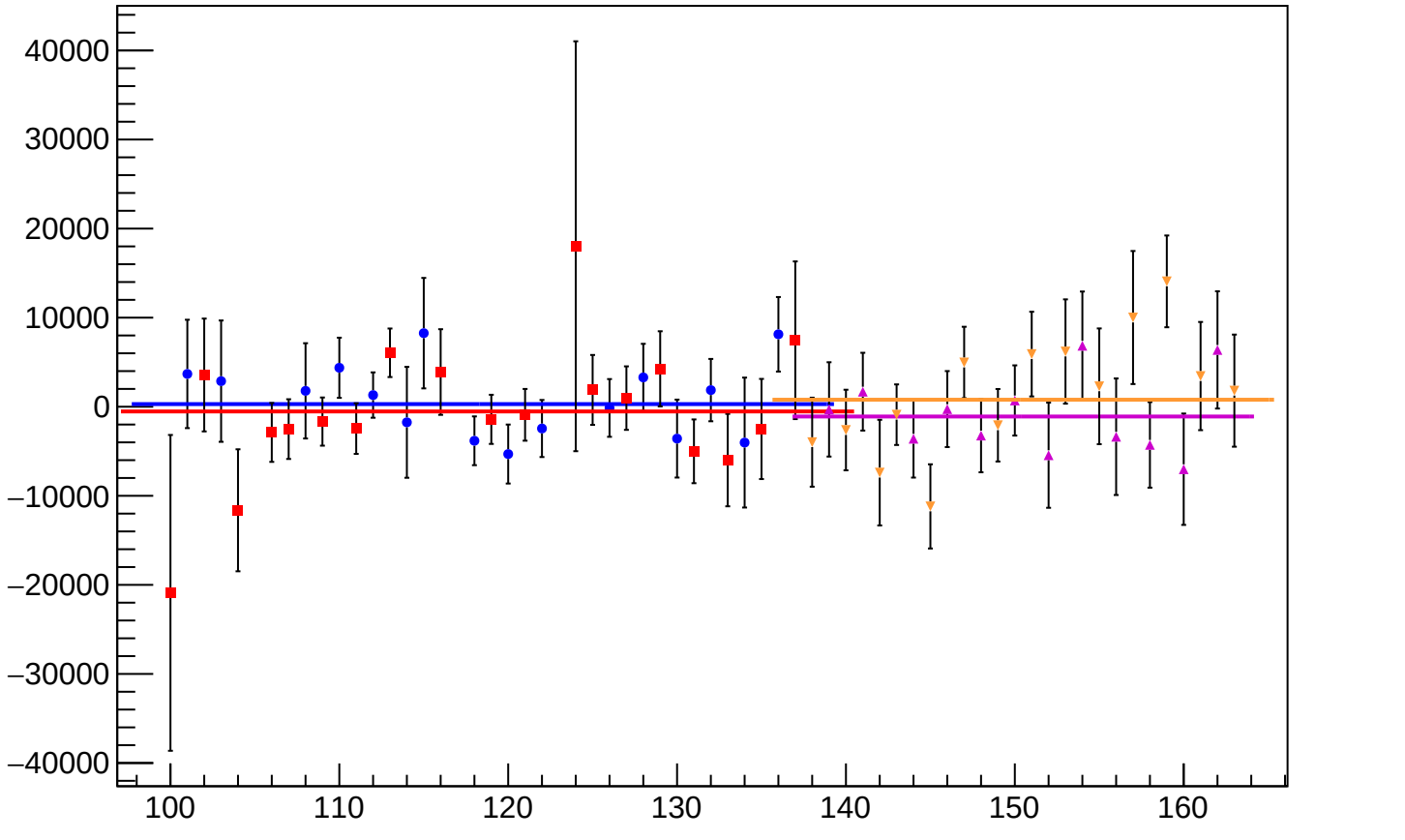
Left: 1799.036+/-0.279 χ^2/NDF: 43680.2/24

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1743.284+/-0.295 χ^2/NDF:205607.5/27

Out: 1764.291+/-0.298 χ^2/NDF:269285.9/30

All: 1753.667+/-0.210 χ^2/NDF: 477401.7/58



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 786.240+/-1317.374 χ^2/NDF:22.1/13

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1098.120+/-1429.009 χ^2/NDF:6.3/11

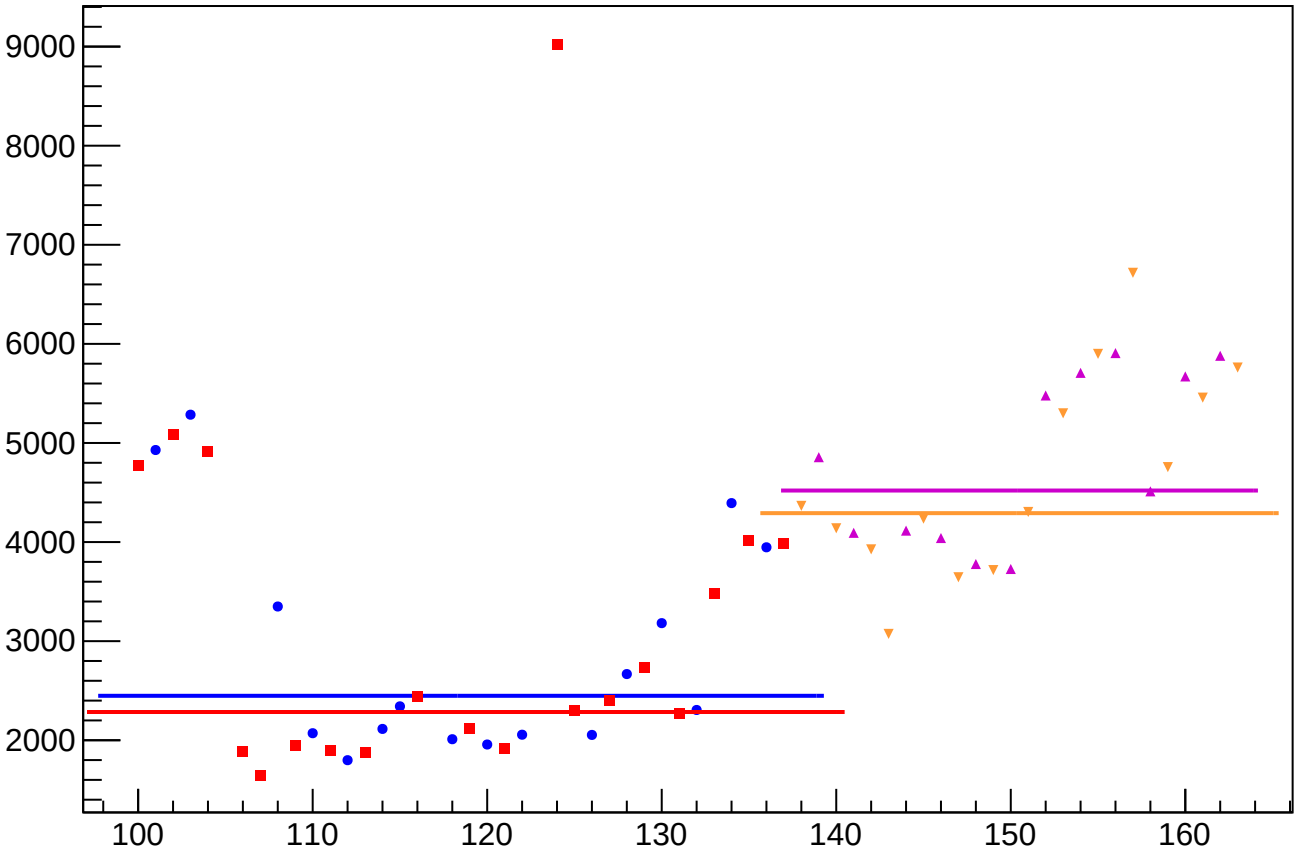
Left: -79.470+/-968.589 χ^2/NDF: 29.3/25

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -140.080+/-799.544 χ^2/NDF:22.2/27

Out: -122.051+/-734.031 χ^2/NDF:41.6/32

All: -130.297+/-540.718 χ^2/NDF: 63.7/60



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4291.811+/-0.932 χ^2/NDF:950710.6/13

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4520.052+/-1.010 χ^2/NDF:587015.6/11

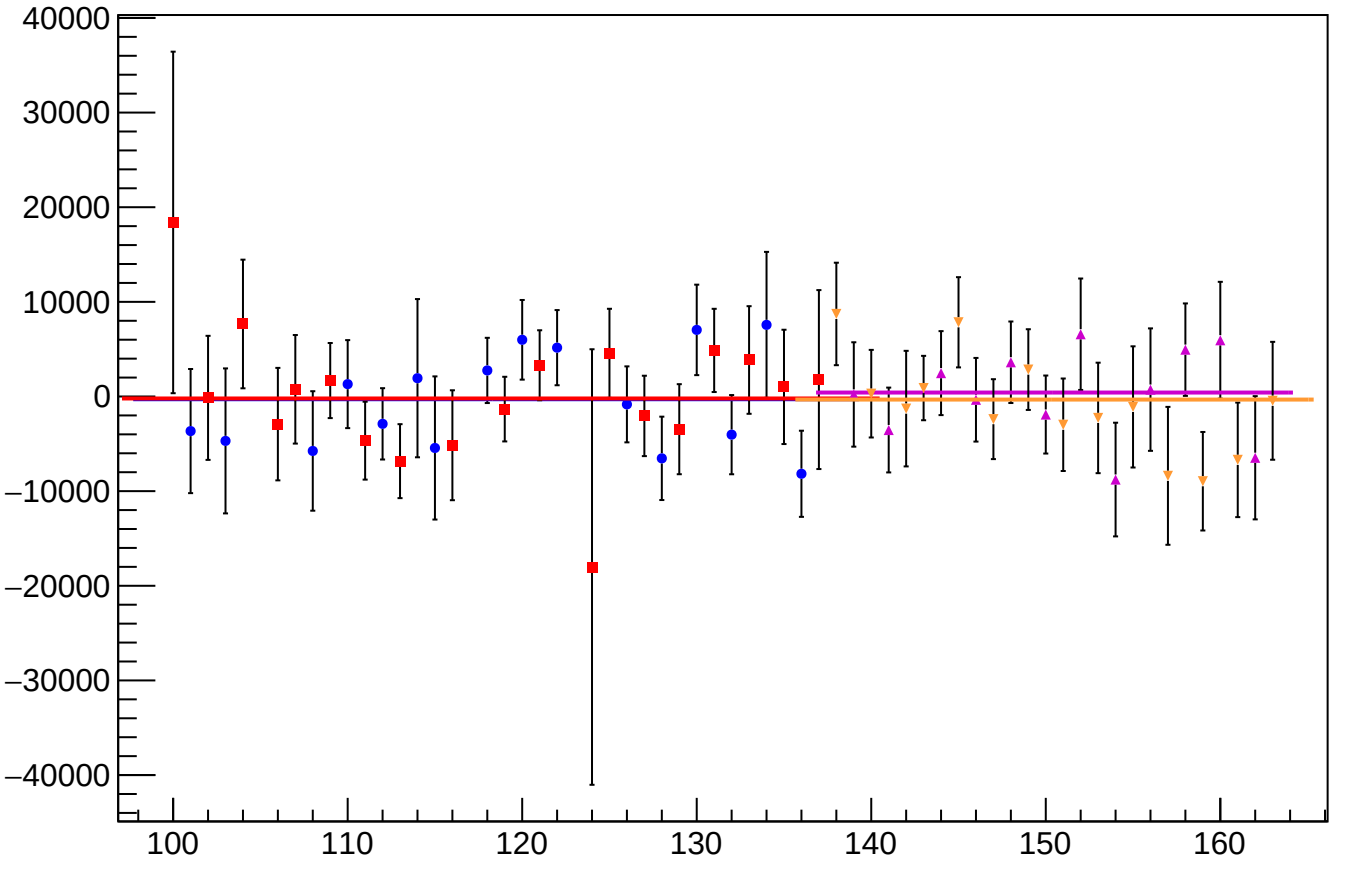
Left: 4396.669+/-0.685 χ^2/NDF: 1565307.2/25

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3097.061+/-0.565 χ^2/NDF:4991566.1/27

Out: 2908.086+/-0.519 χ^2/NDF:5699565.0/32

All: 2994.516+/-0.382 χ^2/NDF: 10751758.2/6



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -324.546+/-1343.948 χ^2/NDF:12.2/13

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 417.756+/-1459.103 χ^2/NDF:8.1/11

Left: 16.161+/-988.522 χ^2/NDF: 20.4/25

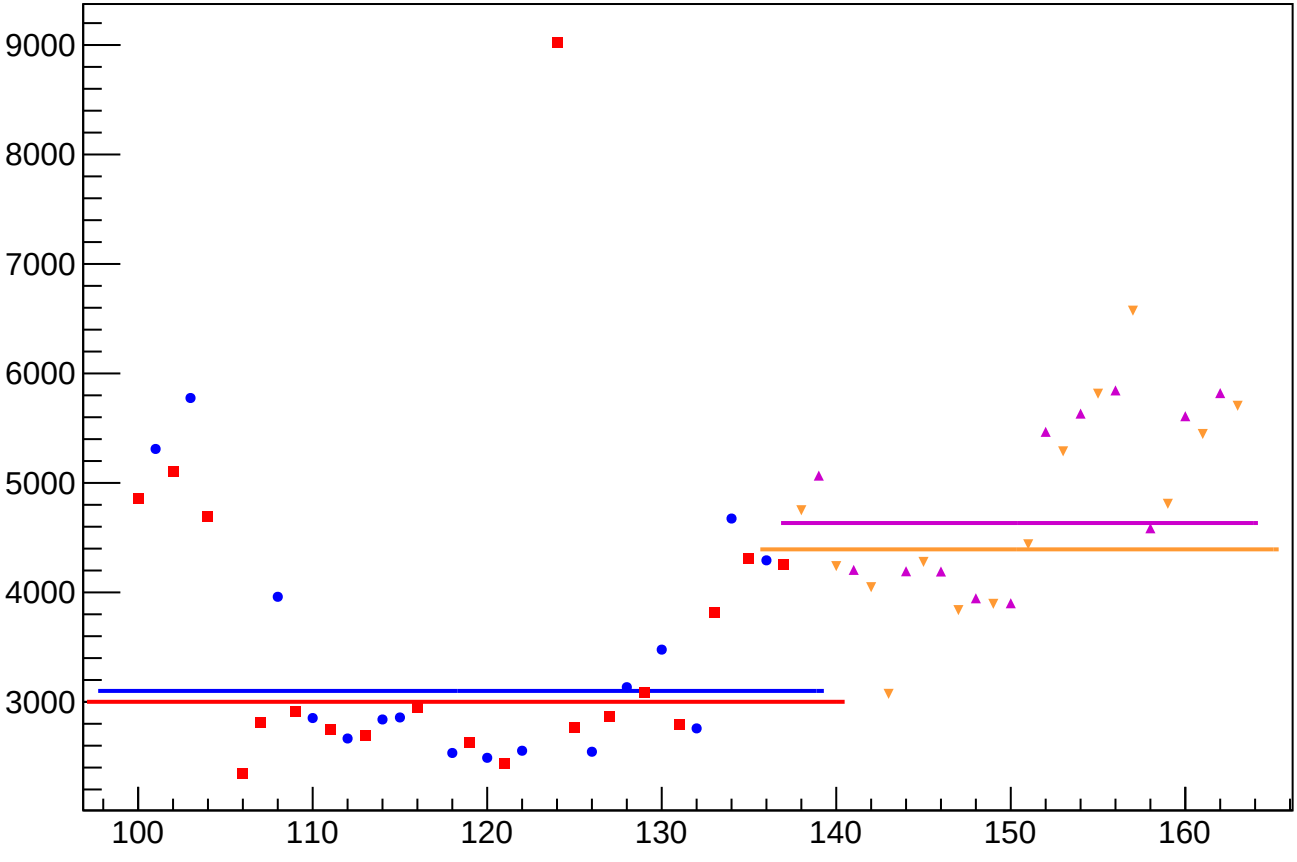
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -3.565+/-925.591 χ^2/NDF:24.8/27

Out: -258.297+/-875.411 χ^2/NDF:25.1/32

All: -138.023+/-636.009 χ^2/NDF: 49.9/60

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4393.150+/-0.950 χ^2/NDF:868489.4/13

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4633.714+/-1.032 χ^2/NDF:466712.1/11

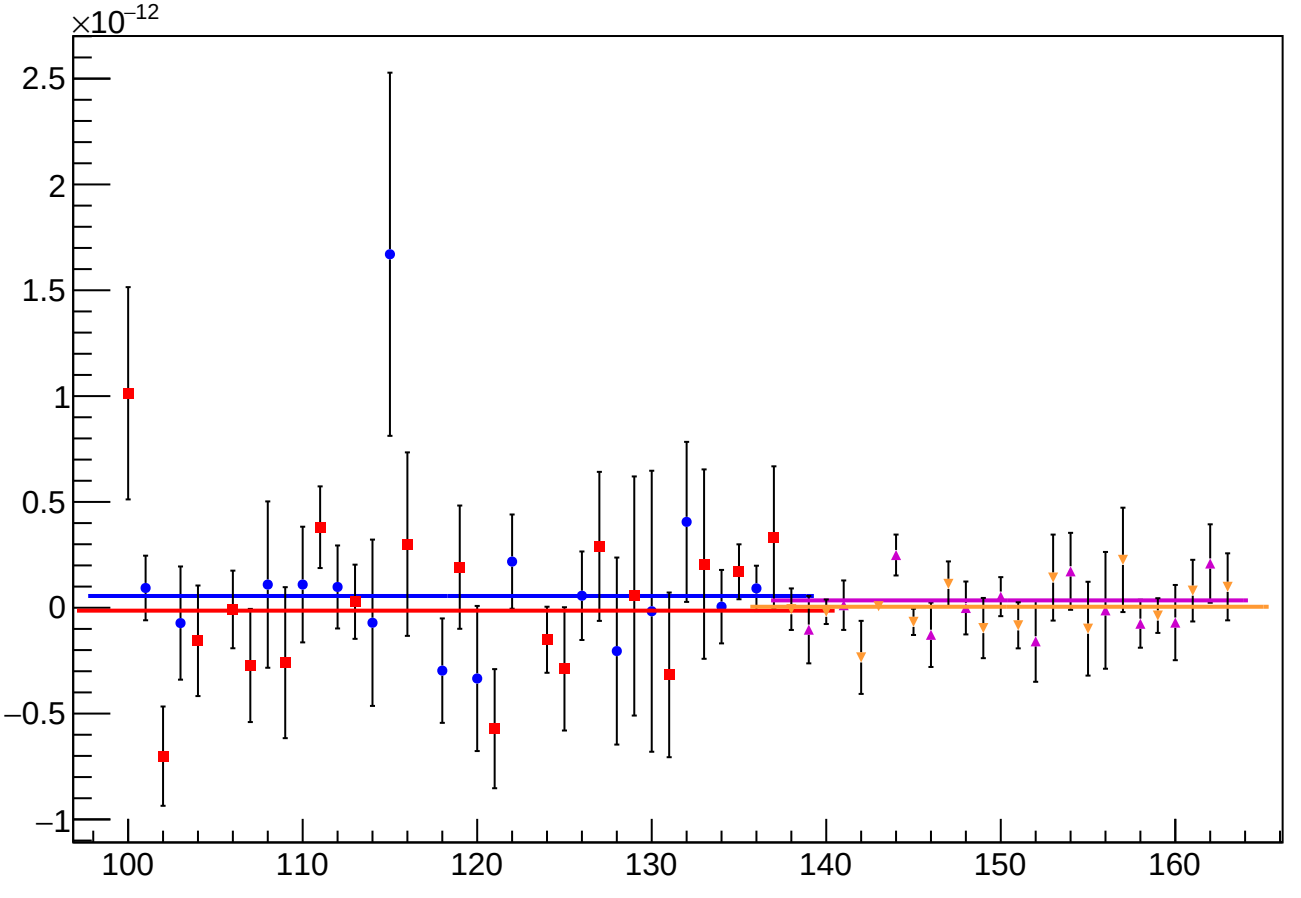
Left: 4503.566+/-0.699 χ^2/NDF: 1364613.8/25

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3717.259+/-0.654 χ^2/NDF:2750691.6/27

Out: 3582.301+/-0.614 χ^2/NDF:2925259.7/32

All: 3645.493+/-0.448 χ^2/NDF: 5698561.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.8/11

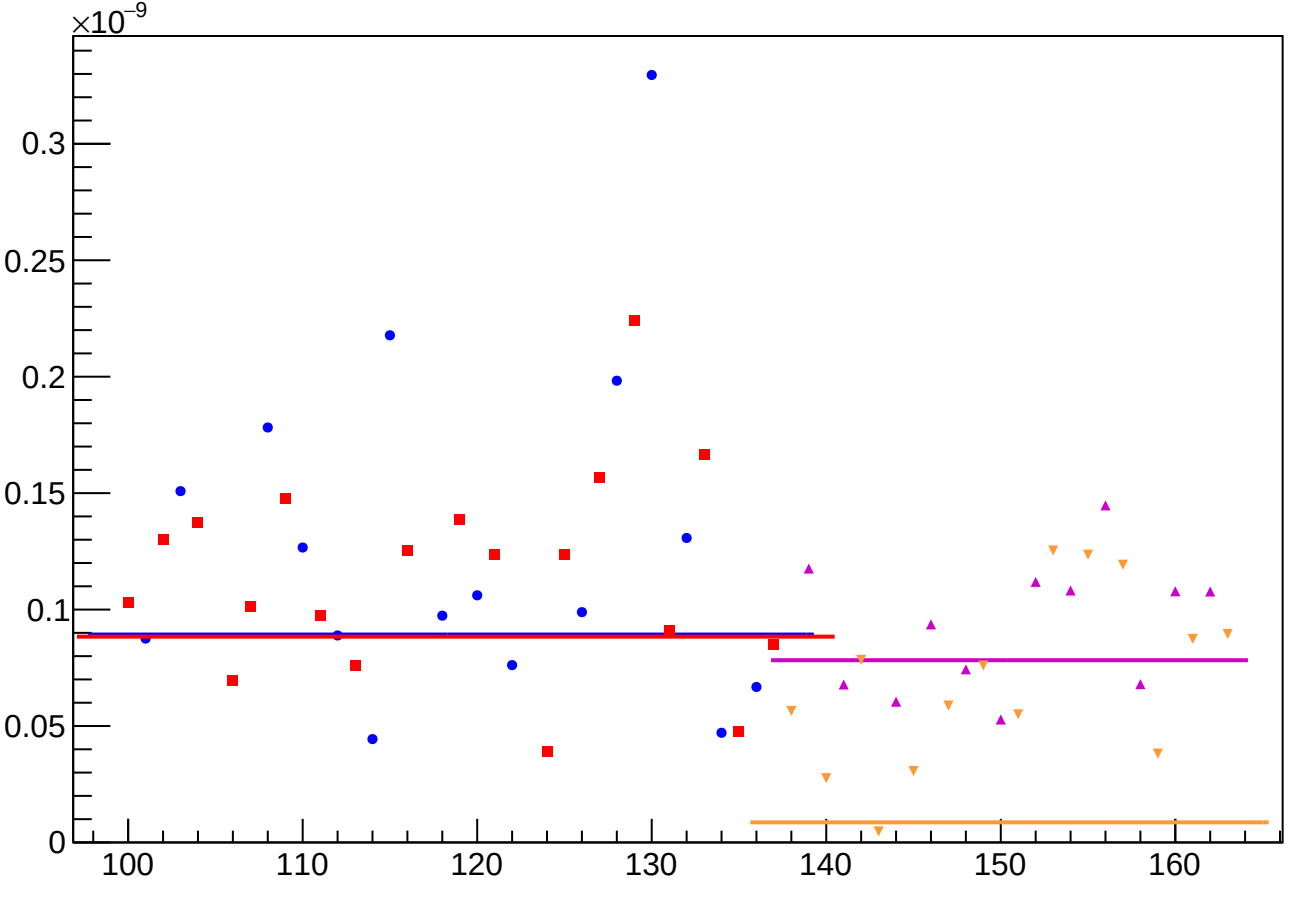
Left: 0.000+/-0.000 χ^2/NDF: 19.4/25

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:20.2/27

Out: 0.000+/-0.000 χ^2/NDF:38.2/32

All: 0.000+/-0.000 χ^2/NDF: 59.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5870978.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:735643.9/11

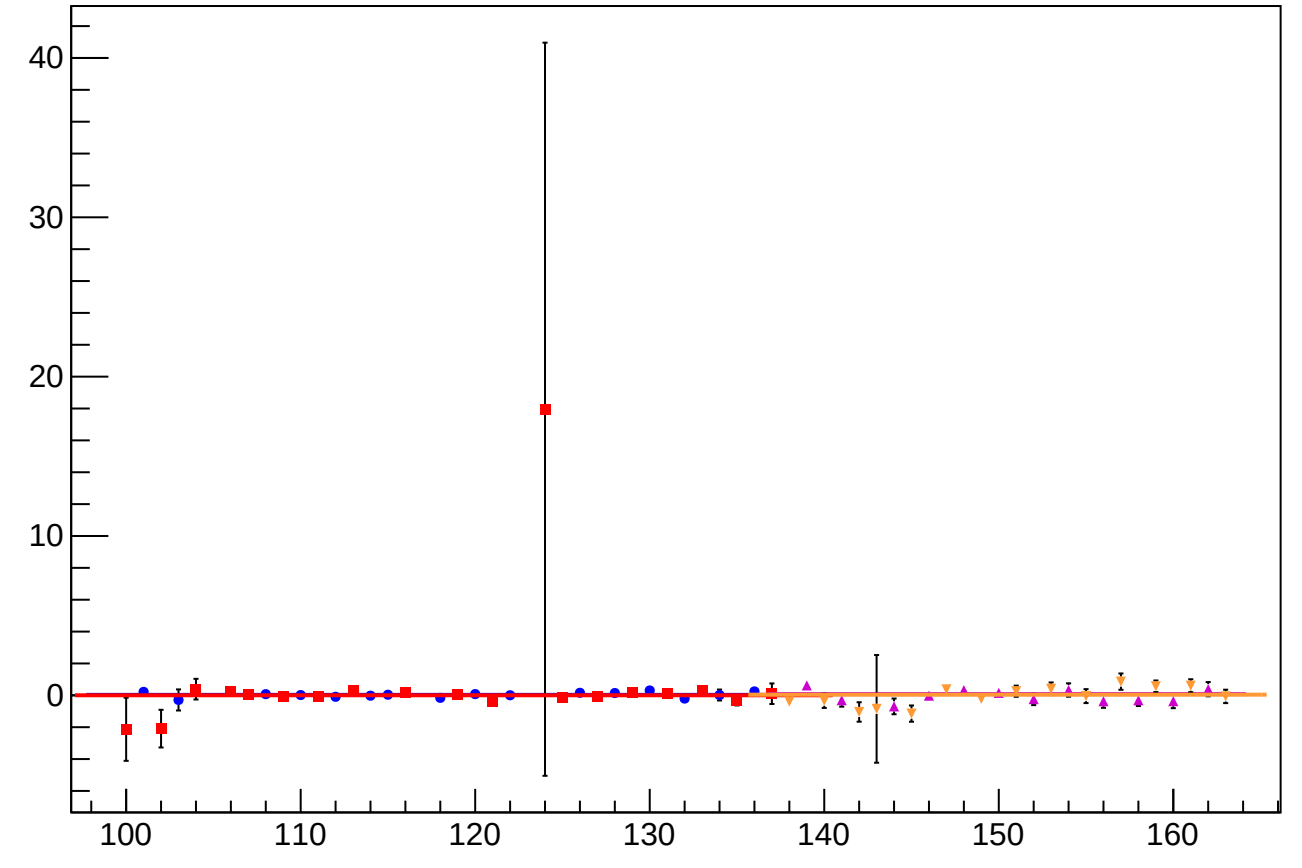
Left: 0.000+/-0.000 χ^2/NDF: 12656743.8/25

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1736700.9/27

Out: 0.000+/-0.000 χ^2/NDF:10880120.0/32

All: 0.000+/-0.000 χ^2/NDF: 21833403.1/60



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.076+/-0.101 χ^2/NDF:14.5/11

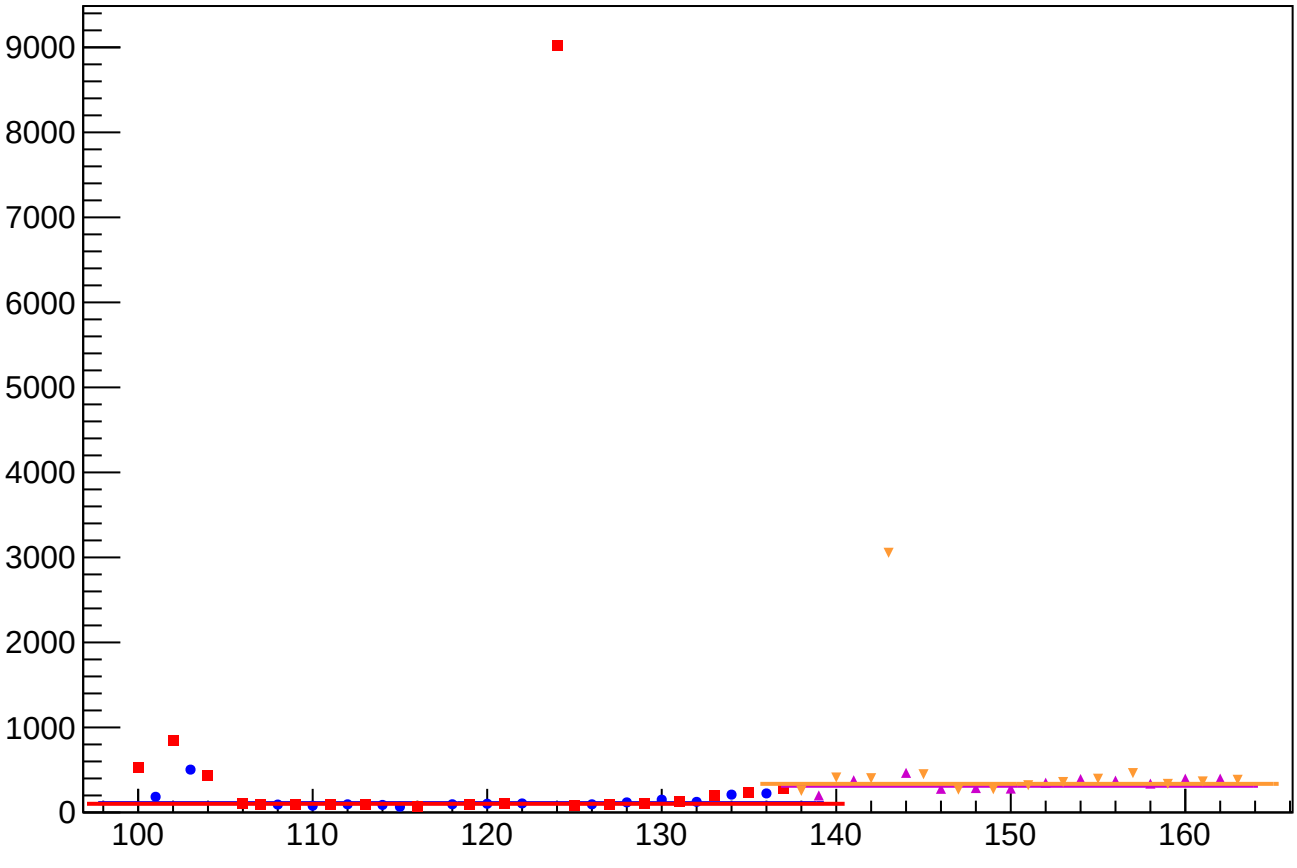
Left: 0.060+/-0.073 χ^2/NDF: 36.1/25

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.036+/-0.041 χ^2/NDF:23.6/27

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.022+/-0.029 χ^2/NDF: 67.8/60



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 336.392+/-0.075 χ^2/NDF:2031725.6/13

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 313.830+/-0.072 χ^2/NDF:1073841.5/11

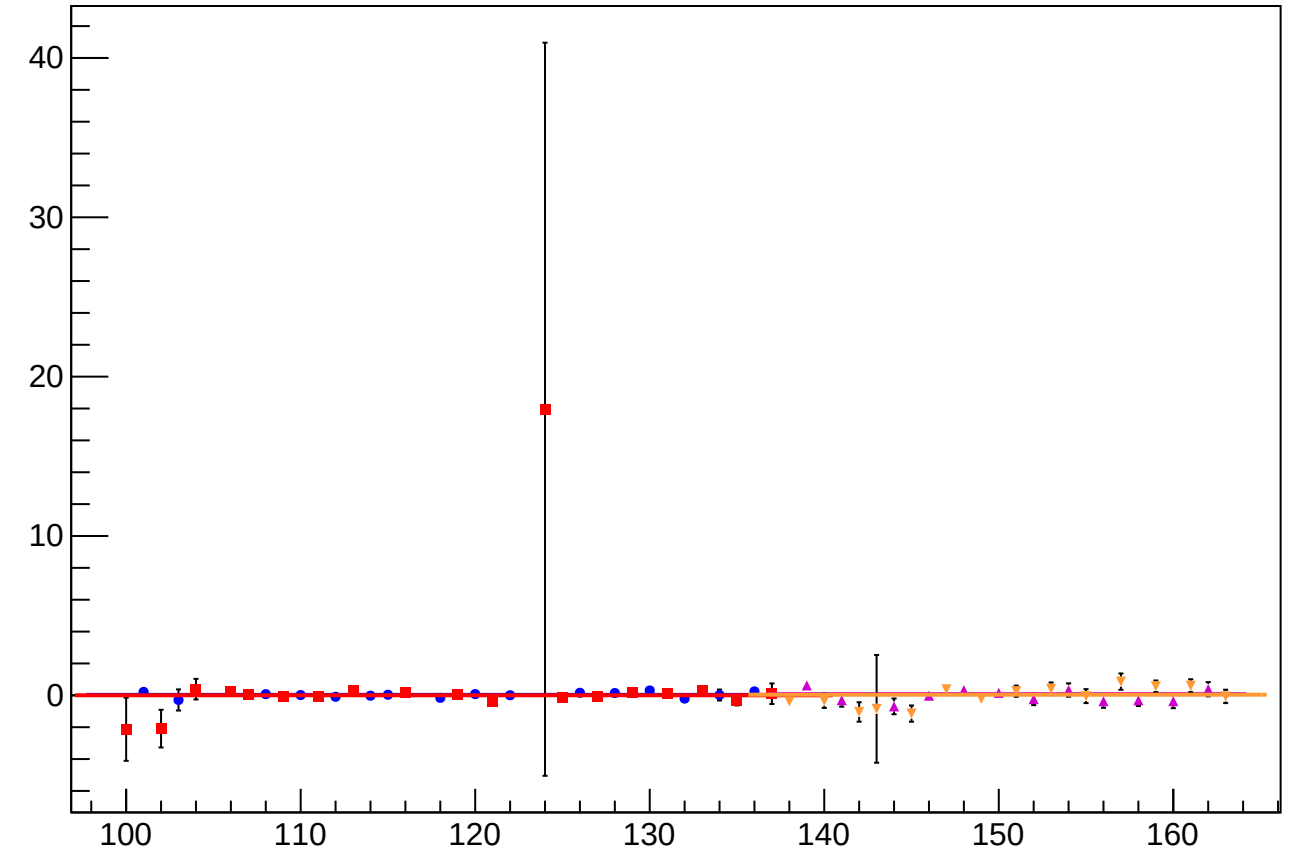
Left: 324.577+/-0.052 χ^2/NDF: 3152813.3/25

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 143.951+/-0.029 χ^2/NDF:9751561.8/27

Out: 135.361+/-0.028 χ^2/NDF:12977790.5/32

All: 139.530+/-0.020 χ^2/NDF: 22773767.6/60



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.076+/-0.101 χ^2/NDF:14.5/11

Left: 0.060+/-0.073 χ^2/NDF: 36.1/25

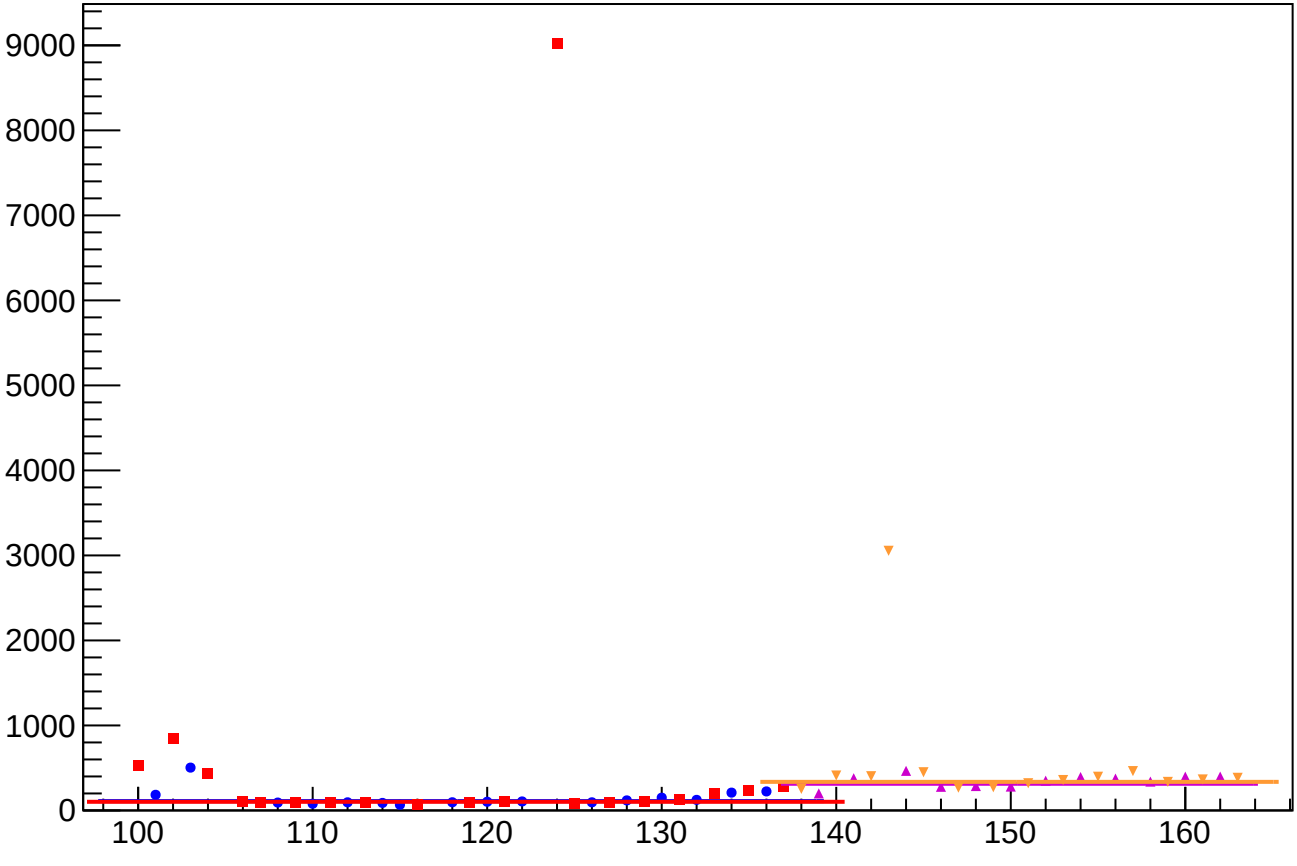
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.036+/-0.041 χ^2/NDF:23.6/27

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.022+/-0.029 χ^2/NDF: 67.8/60

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 336.392+/-0.075 χ^2/NDF:2031725.6/13

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 313.830+/-0.072 χ^2/NDF:1073841.5/11

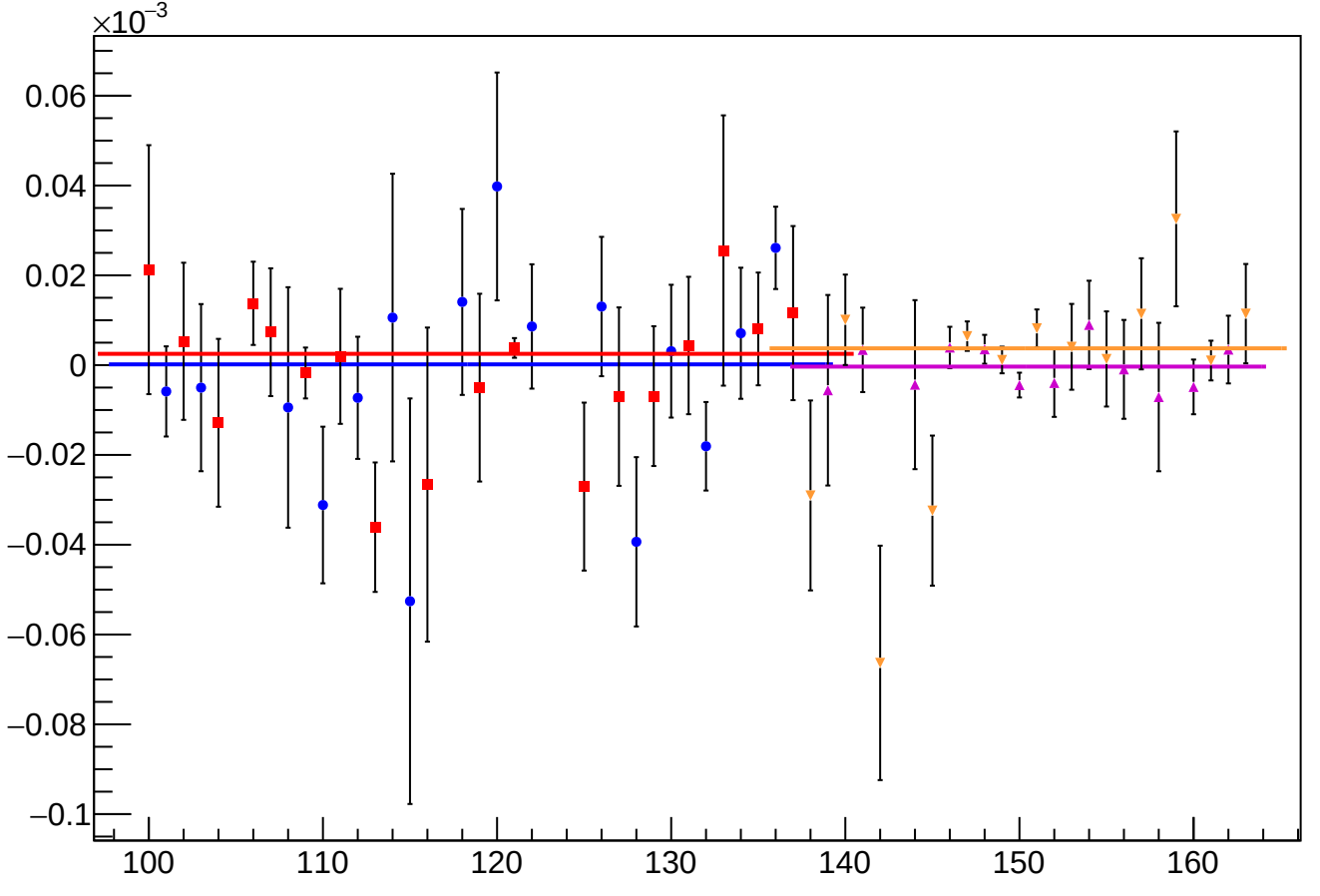
Left: 324.577+/-0.052 χ^2/NDF: 3152813.3/25

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 143.951+/-0.029 χ^2/NDF:9751561.8/27

Out: 135.361+/-0.028 χ^2/NDF:12977790.5/32

All: 139.530+/-0.020 χ^2/NDF: 22773767.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:6.9/11

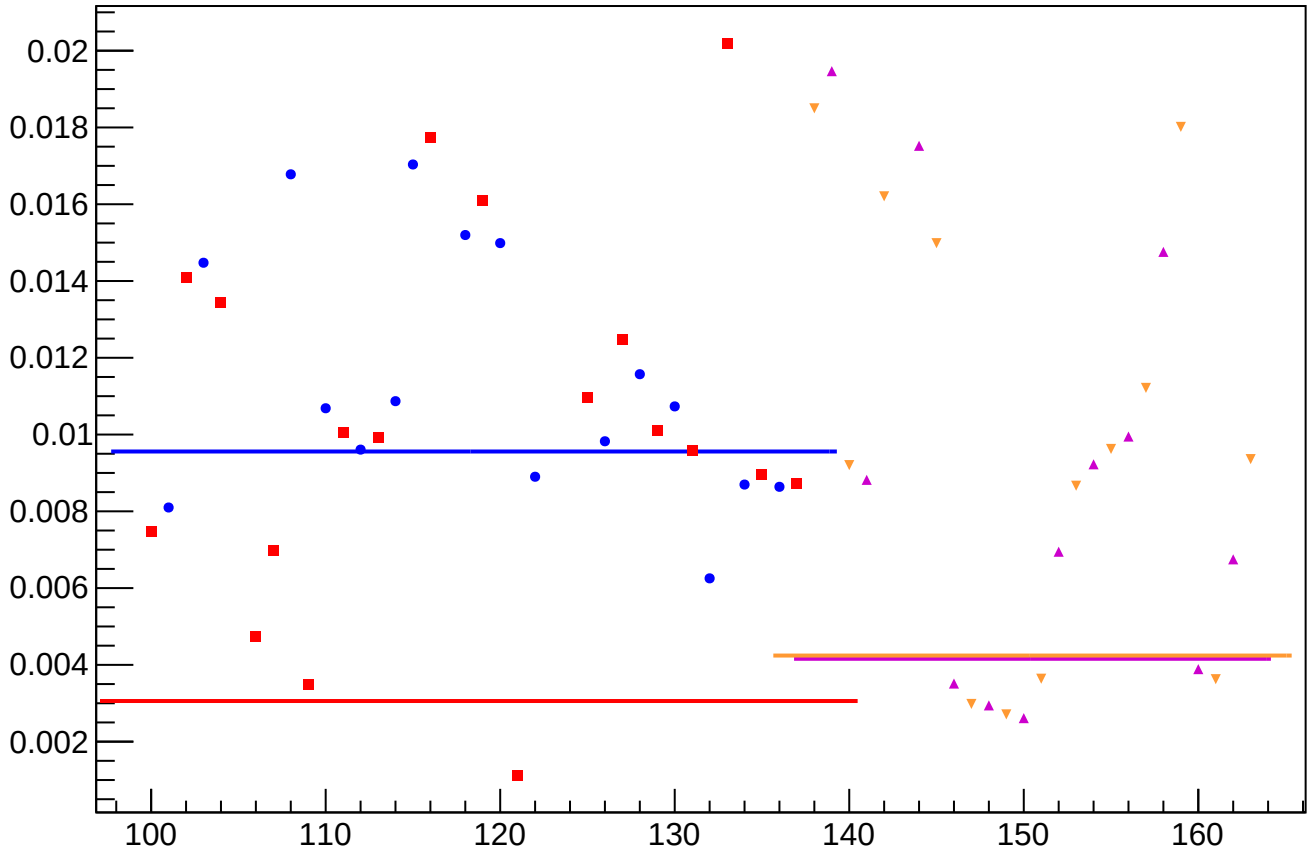
Left: 0.000+/-0.000 χ^2/NDF: 30.7/24

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:32.5/27

Out: 0.000+/-0.000 χ^2/NDF:36.8/30

All: 0.000+/-0.000 χ^2/NDF: 72.4/58



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:6558121.8/12

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:5911114.1/11

Left: 0.004+/-0.000 χ^2/NDF: 12471877.3/24

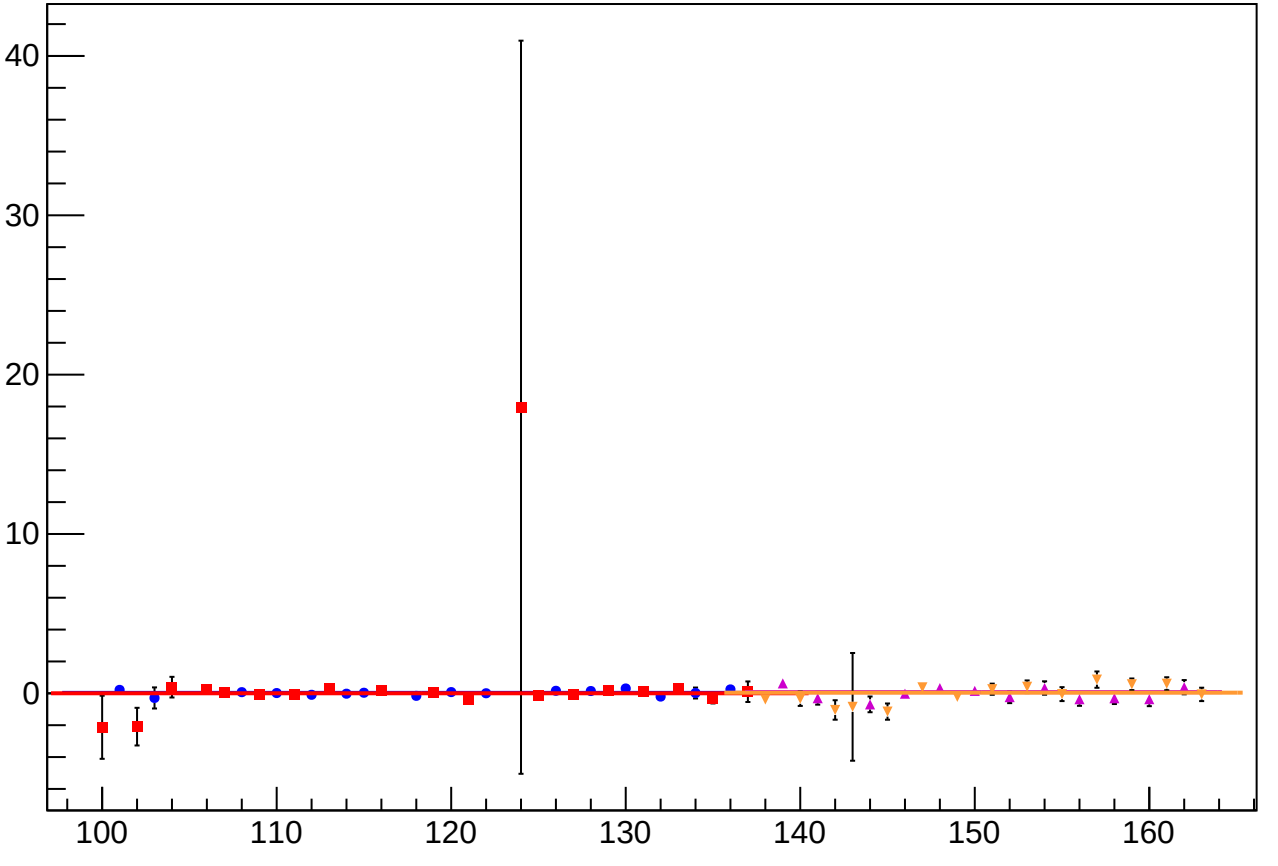
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:10355309.8/27

Out: 0.004+/-0.000 χ^2/NDF:15143544.9/30

All: 0.004+/-0.000 χ^2/NDF: 26423456.4/58

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.076+/-0.101 χ^2/NDF:14.5/11

Left: 0.060+/-0.073 χ^2/NDF: 36.1/25

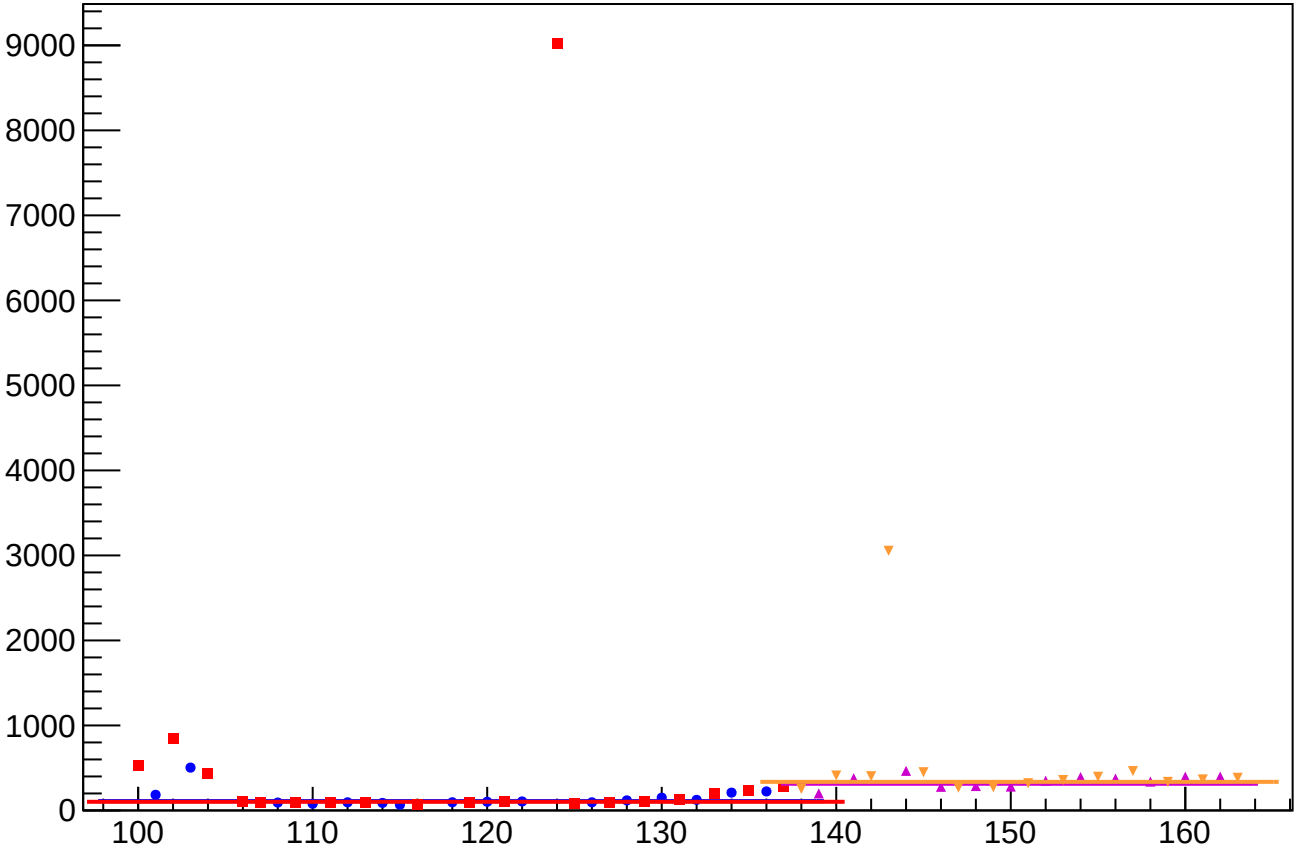
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.036+/-0.041 χ^2/NDF:23.6/27

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.022+/-0.029 χ^2/NDF: 67.8/60

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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 313.834+/-0.072 χ^2/NDF:1073817.8/11

Left: 324.581+/-0.052 χ^2/NDF: 3152831.6/25

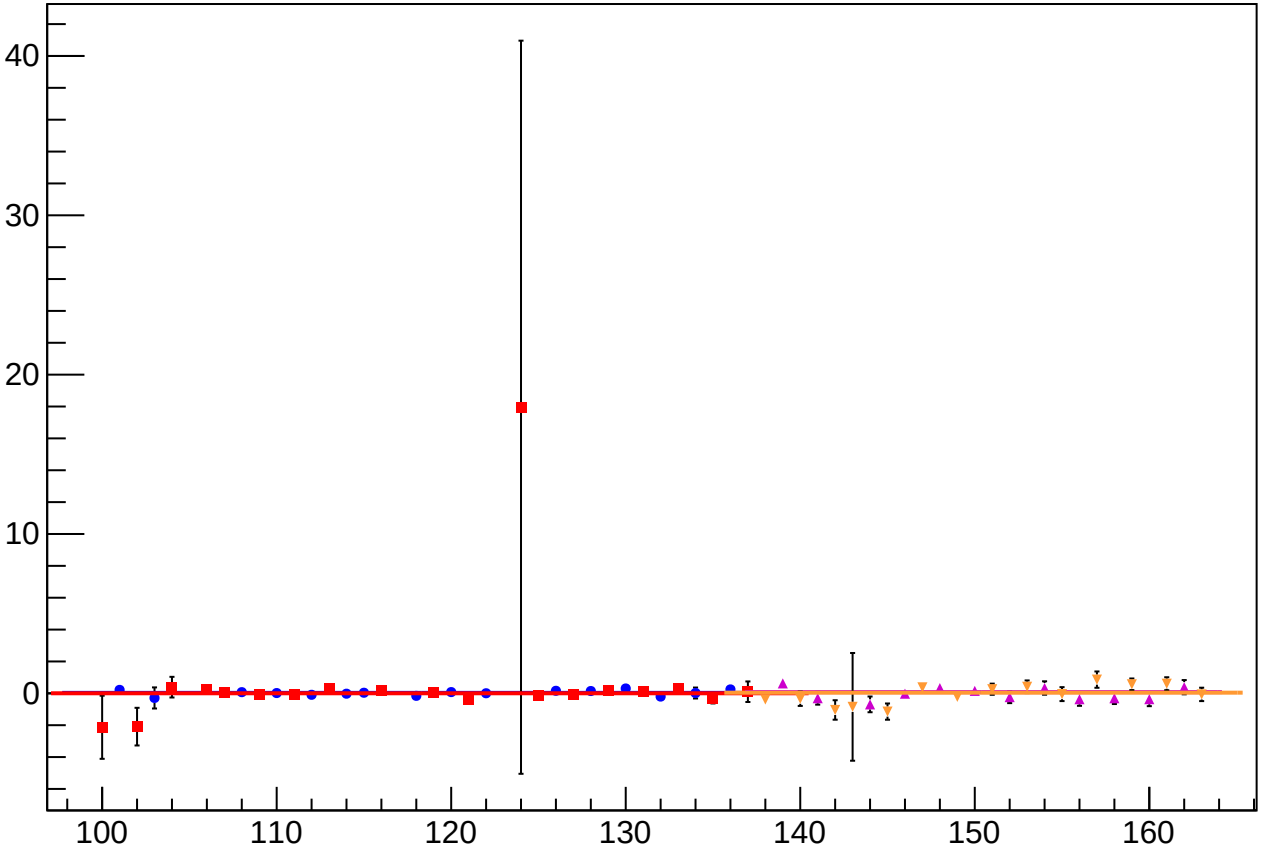
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 143.952+/-0.029 χ^2/NDF:9751539.4/27

Out: 135.363+/-0.028 χ^2/NDF:12977721.7/32

All: 139.531+/-0.020 χ^2/NDF: 22773671.7/60

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: 0.041+/-0.106 χ^2/NDF:21.5/13

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.076+/-0.101 χ^2/NDF:14.5/11

Left: 0.060+/-0.073 χ^2/NDF: 36.1/25

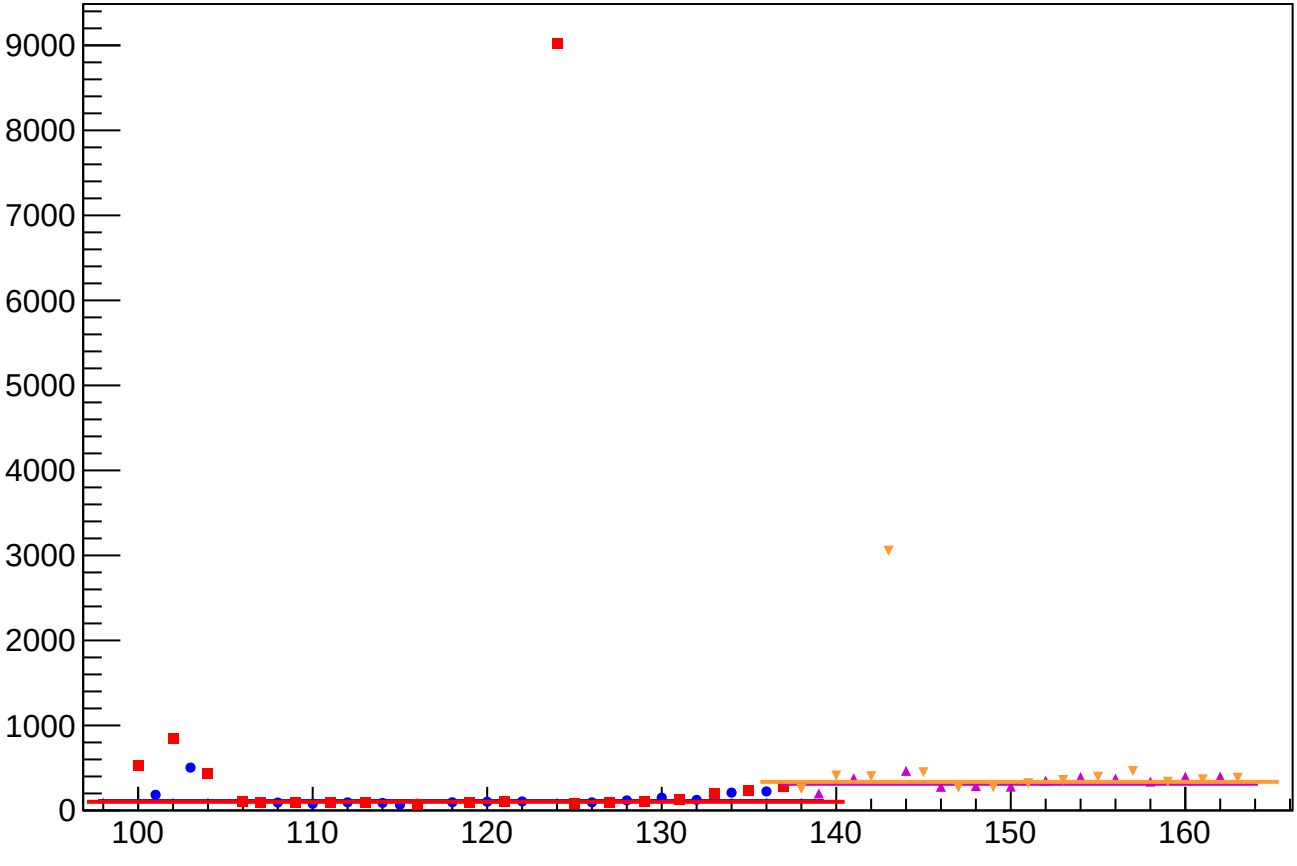
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.036+/-0.041 χ^2/NDF:23.6/27

Out: 0.009+/-0.040 χ^2/NDF:44.0/32

All: 0.022+/-0.029 χ^2/NDF: 67.8/60

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: 336.396+/-0.075 χ^2/NDF:2031774.6/13

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 313.834+/-0.072 χ^2/NDF:1073817.8/11

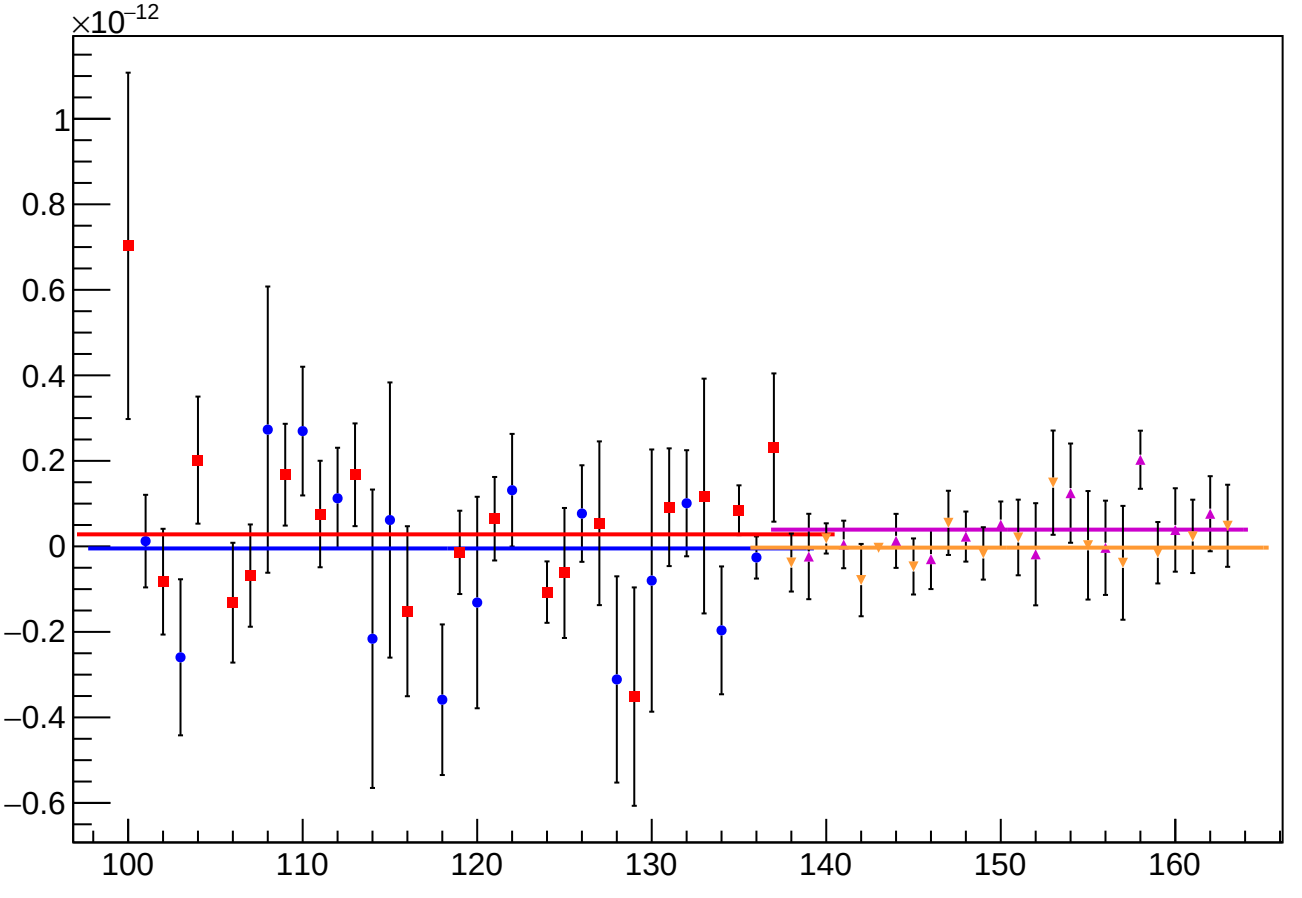
Left: 324.581+/-0.052 χ^2/NDF: 3152831.6/25

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 143.952+/-0.029 χ^2/NDF:9751539.4/27

Out: 135.363+/-0.028 χ^2/NDF:12977721.7/32

All: 139.531+/-0.020 χ^2/NDF: 22773671.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/11

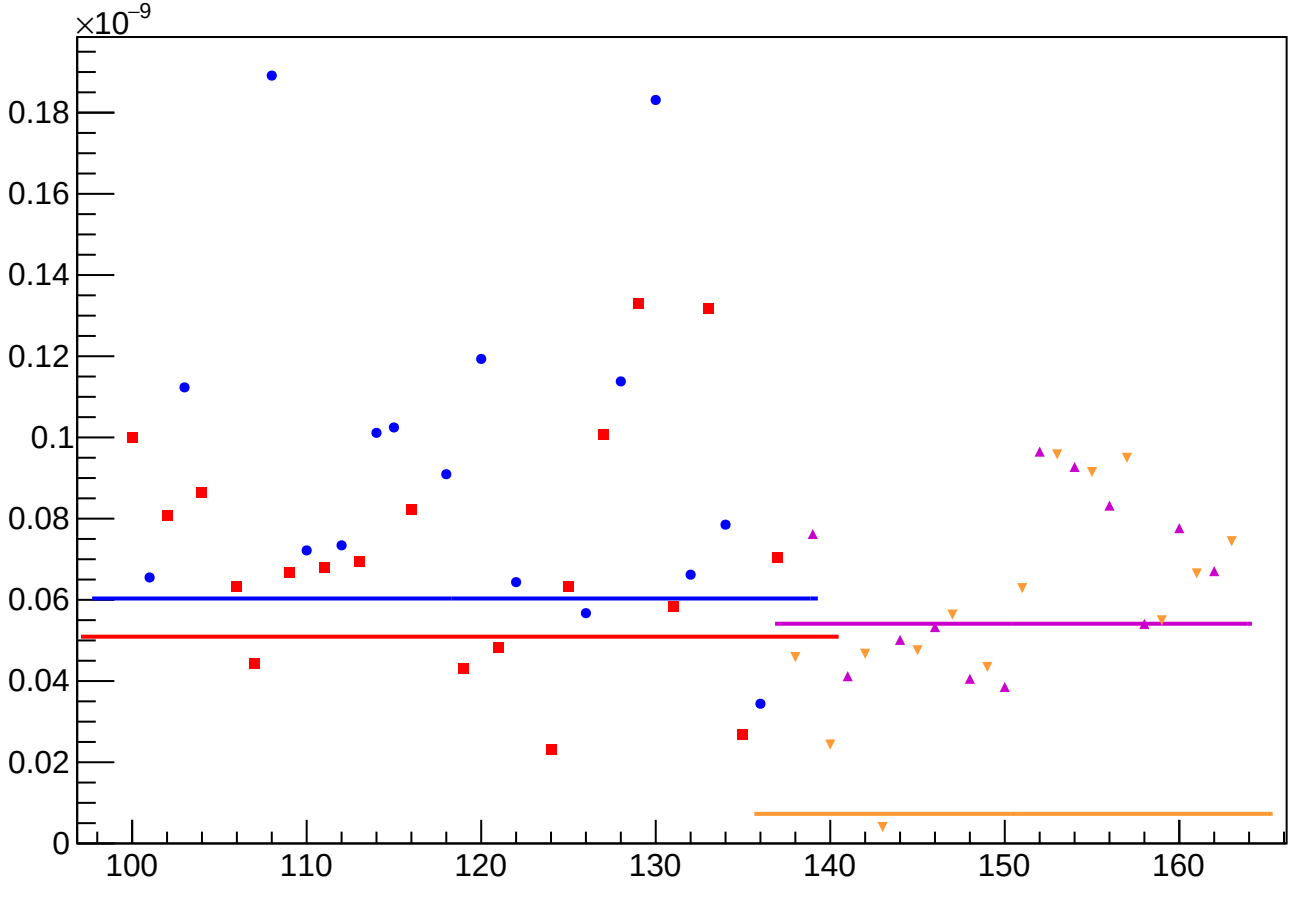
Left: -0.000+/-0.000 χ^2/NDF: 17.2/25

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:27.7/27

Out: -0.000+/-0.000 χ^2/NDF:25.5/32

All: 0.000+/-0.000 χ^2/NDF: 55.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10932175.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1259327.6/11

Left: 0.000+/-0.000 χ^2/NDF: 21211056.4/25

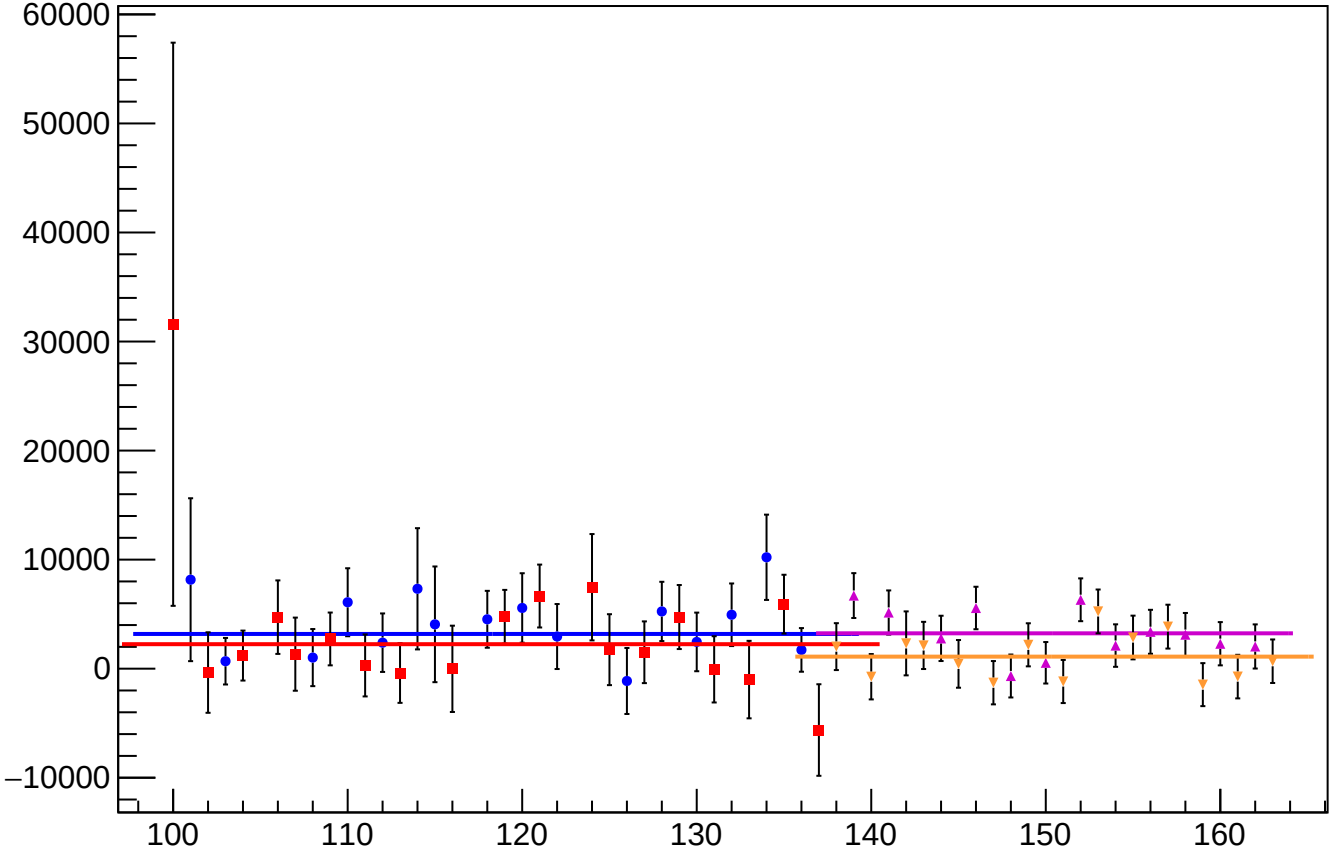
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3058236.6/27

Out: 0.000+/-0.000 χ^2/NDF:17551282.3/32

All: 0.000+/-0.000 χ^2/NDF: 33567763.0/60

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.173+/-554.316 χ^2/NDF:14.0/13

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3241.878+/-574.501 χ^2/NDF:14.5/11

Left: 2134.811+/-398.906 χ^2/NDF: 35.7/25

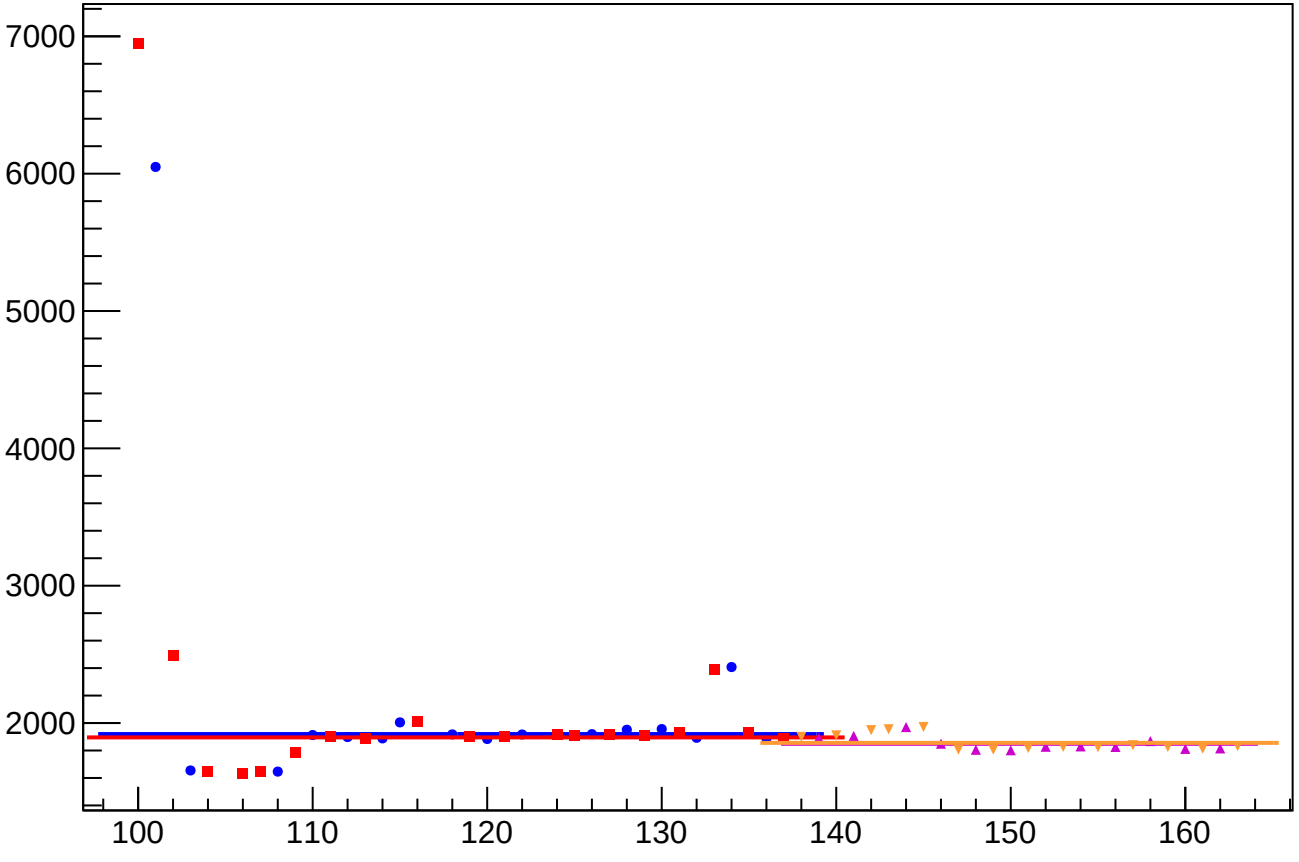
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3219.671+/-451.729 χ^2/NDF:26.2/27

Out: 1535.917+/-437.137 χ^2/NDF:32.1/32

All: 2350.162+/-314.135 χ^2/NDF: 65.5/60

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1848.849+/-0.406 χ^2/NDF:13700.7/11

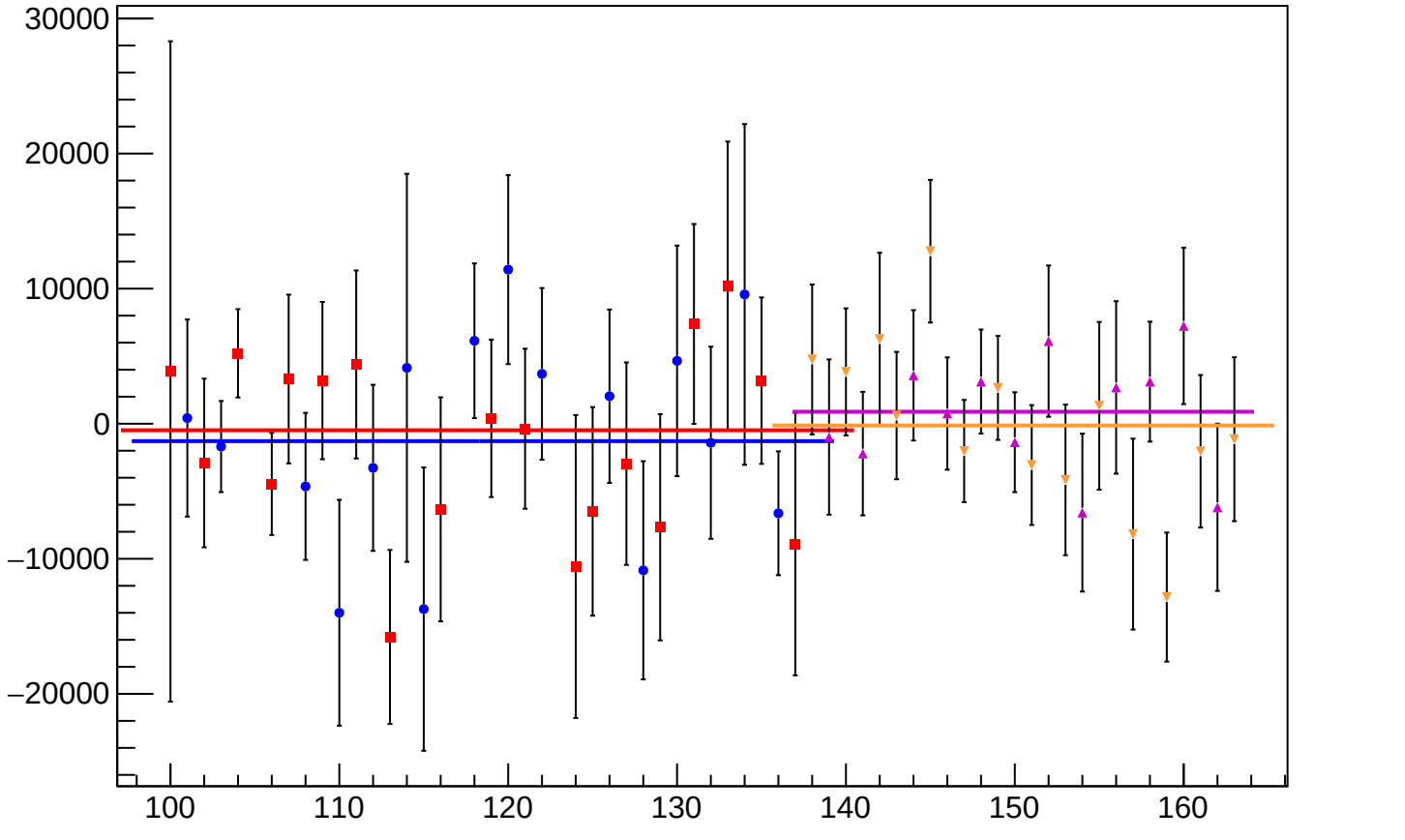
Left: 1852.320+/-0.282 χ^2/NDF: 33700.0/25

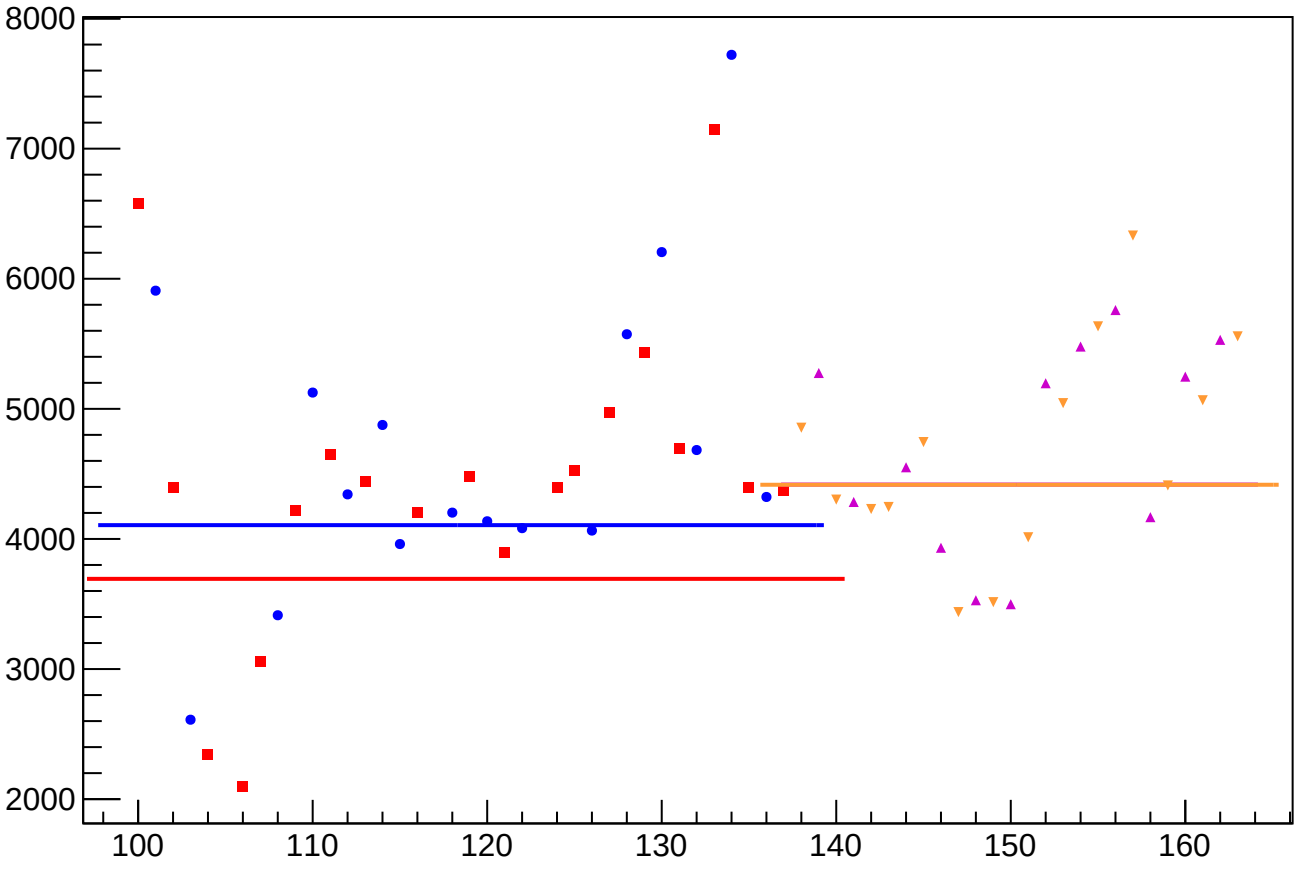
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1875.944+/-0.319 χ^2/NDF:722685.9/27

Out: 1870.668+/-0.309 χ^2/NDF:246049.4/32

All: 1873.216+/-0.222 χ^2/NDF: 968876.3/60


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: -130.917+/-1346.291 χ²/NDF:18.8/13
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 884.858+/-1397.796 χ²/NDF:6.9/11
Left: 357.912+/-969.669 χ²/NDF: 26.0/25
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -66.534+/-1048.486 χ²/NDF:22.2/27
Out: -296.474+/-982.624 χ²/NDF:36.1/32
All: -188.952+/-716.974 χ²/NDF: 58.3/60



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4416.551+/-0.952 χ^2/NDF:632463.6/13

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4417.941+/-0.988 χ^2/NDF:610254.5/11

Left: 4417.220+/-0.686 χ^2/NDF: 1242719.1/25

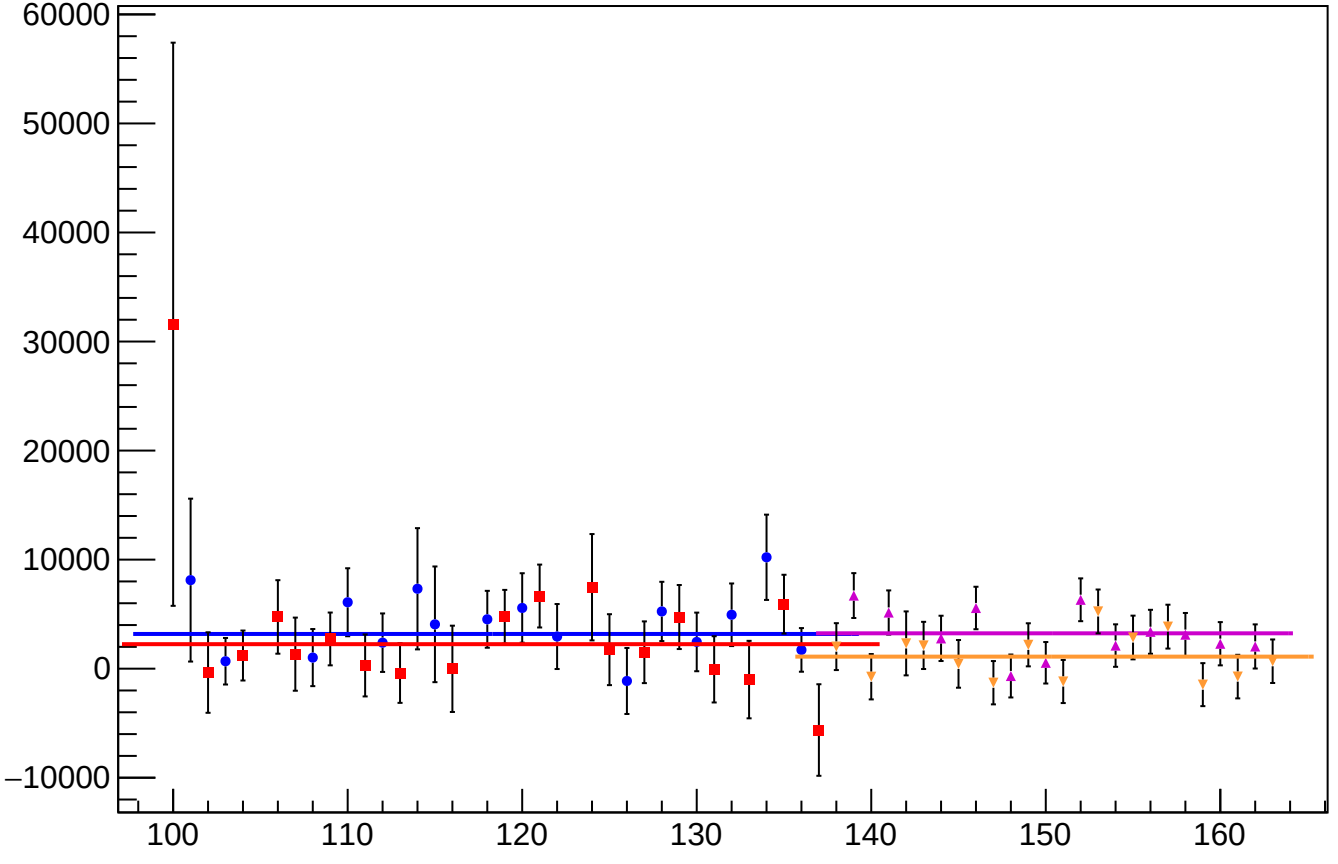
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4281.575+/-0.741 χ^2/NDF:1609908.3/27

Out: 4078.573+/-0.695 χ^2/NDF:2258850.4/32

All: 4173.498+/-0.507 χ^2/NDF: 3908674.0/60

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3241.950+/-574.501 χ^2/NDF:14.5/11

Left: 2134.786+/-398.906 χ^2/NDF: 35.7/25

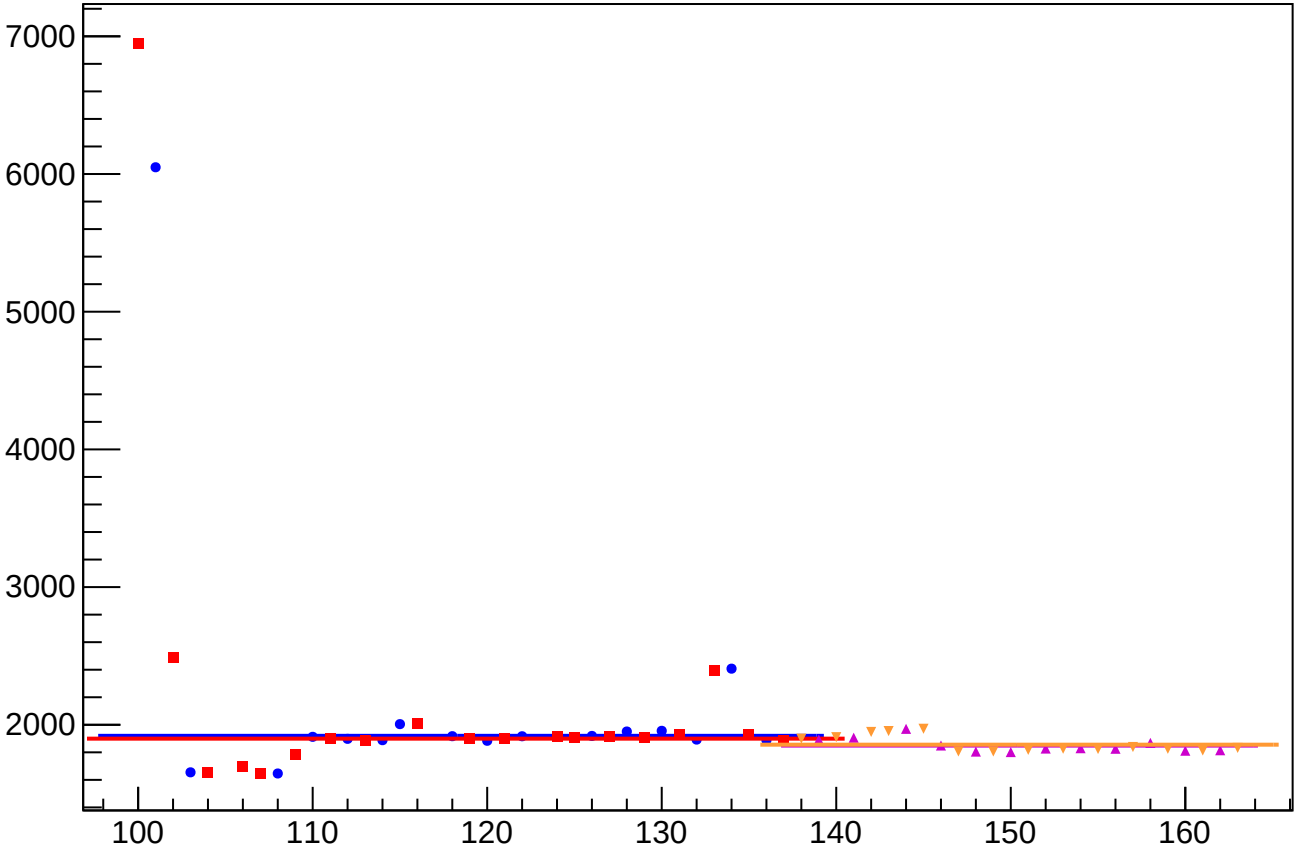
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3219.436+/-451.729 χ^2/NDF:26.2/27

Out: 1536.271+/-437.138 χ^2/NDF:32.1/32

All: 2350.233+/-314.135 χ^2/NDF: 65.5/60

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.849+/-0.406 χ^2/NDF:13700.7/11

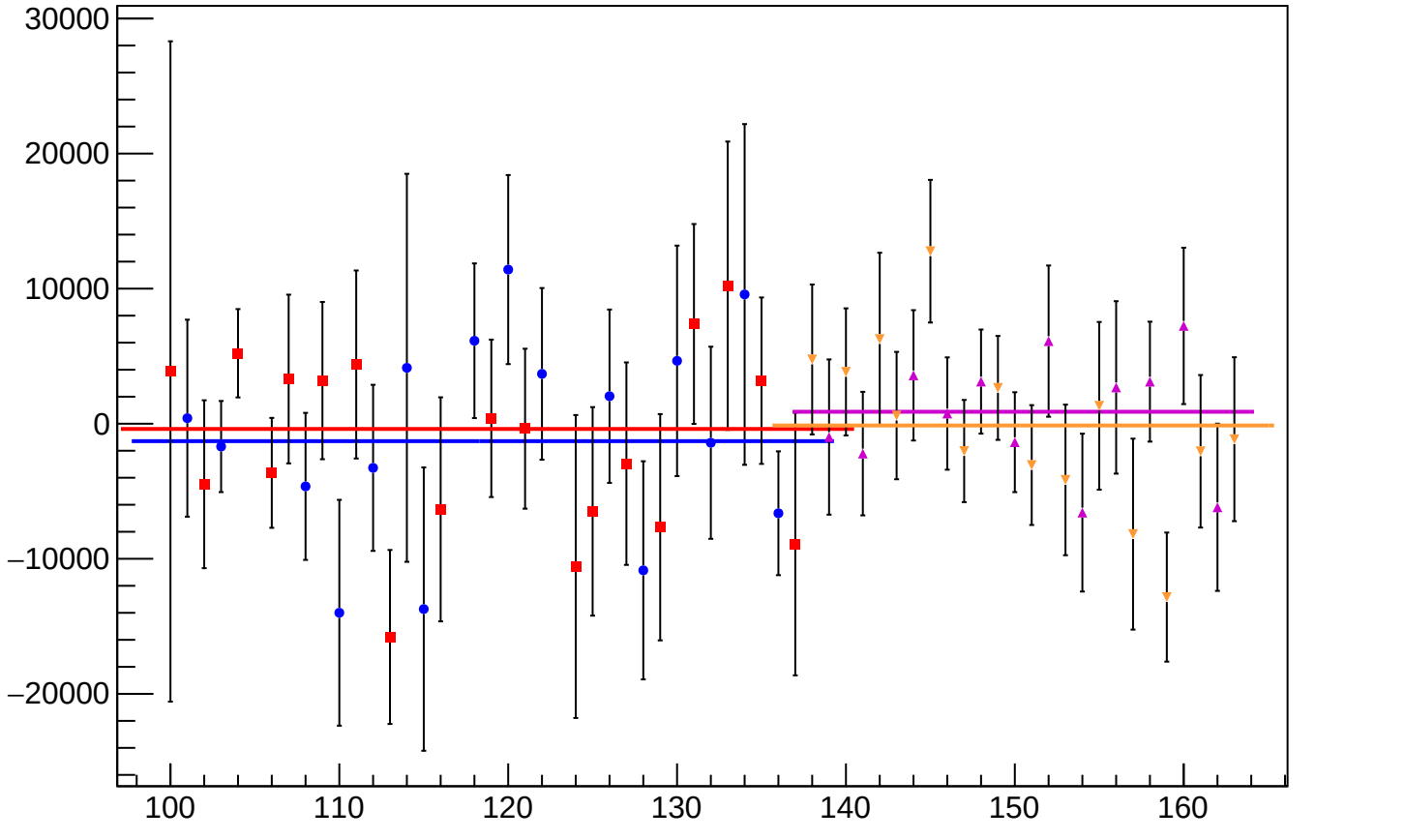
Left: 1852.320+/-0.282 χ^2/NDF: 33700.0/25

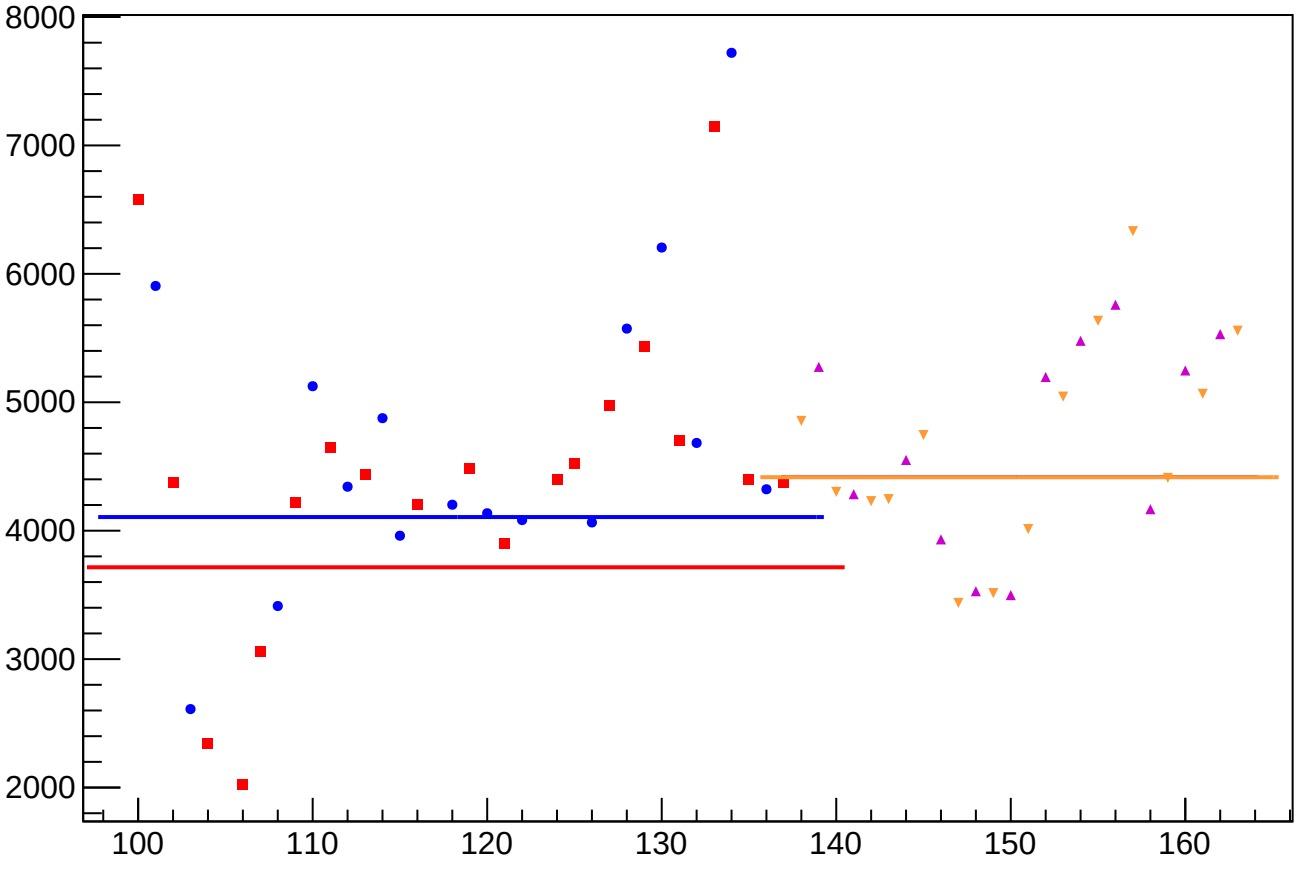
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1875.944+/-0.319 χ^2/NDF:722685.2/27

Out: 1872.149+/-0.309 χ^2/NDF:240245.7/32

All: 1873.983+/-0.222 χ^2/NDF: 963003.8/60


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: -130.928+/-1346.288 χ²/NDF:18.8/13
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 884.889+/-1397.797 χ²/NDF:6.9/11
Left: 357.919+/-969.668 χ²/NDF: 26.0/25
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -66.677+/-1048.487 χ²/NDF:22.2/27
Out: -249.635+/-987.080 χ²/NDF:35.8/32
All: -163.670+/-718.700 χ²/NDF: 58.1/60



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4416.541+/-0.952 χ^2/NDF:632480.6/13

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4417.945+/-0.988 χ^2/NDF:610248.8/11

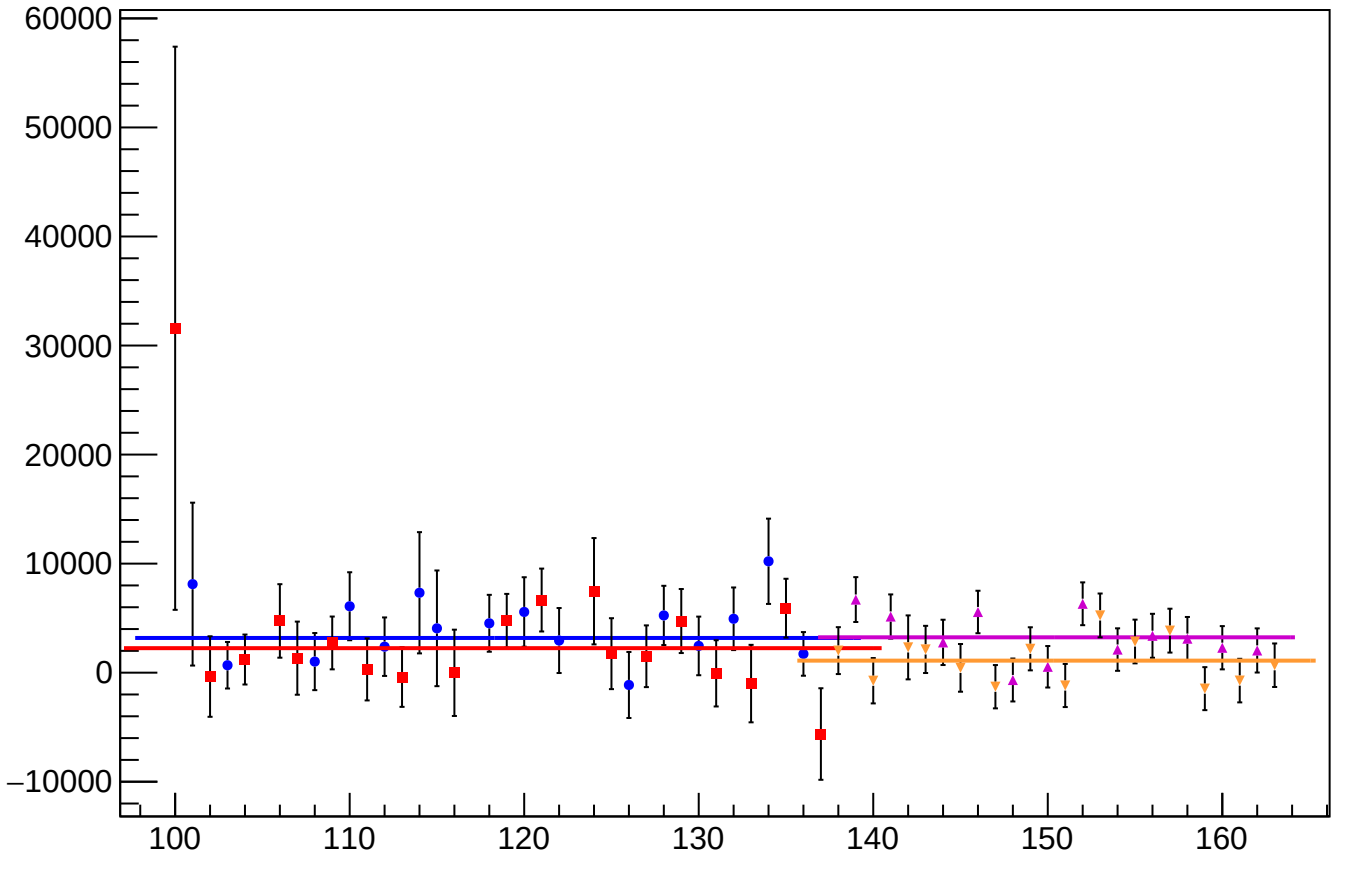
Left: 4417.216+/-0.686 χ^2/NDF: 1242730.5/25

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4281.618+/-0.741 χ^2/NDF:1609378.6/27

Out: 4092.216+/-0.698 χ^2/NDF:2218574.5/32

All: 4181.208+/-0.508 χ^2/NDF: 3862552.3/60



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1104.057+/-554.316 χ^2/NDF:14.0/13

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3241.950+/-574.501 χ^2/NDF:14.5/11

Left: 2134.786+/-398.906 χ^2/NDF: 35.7/25

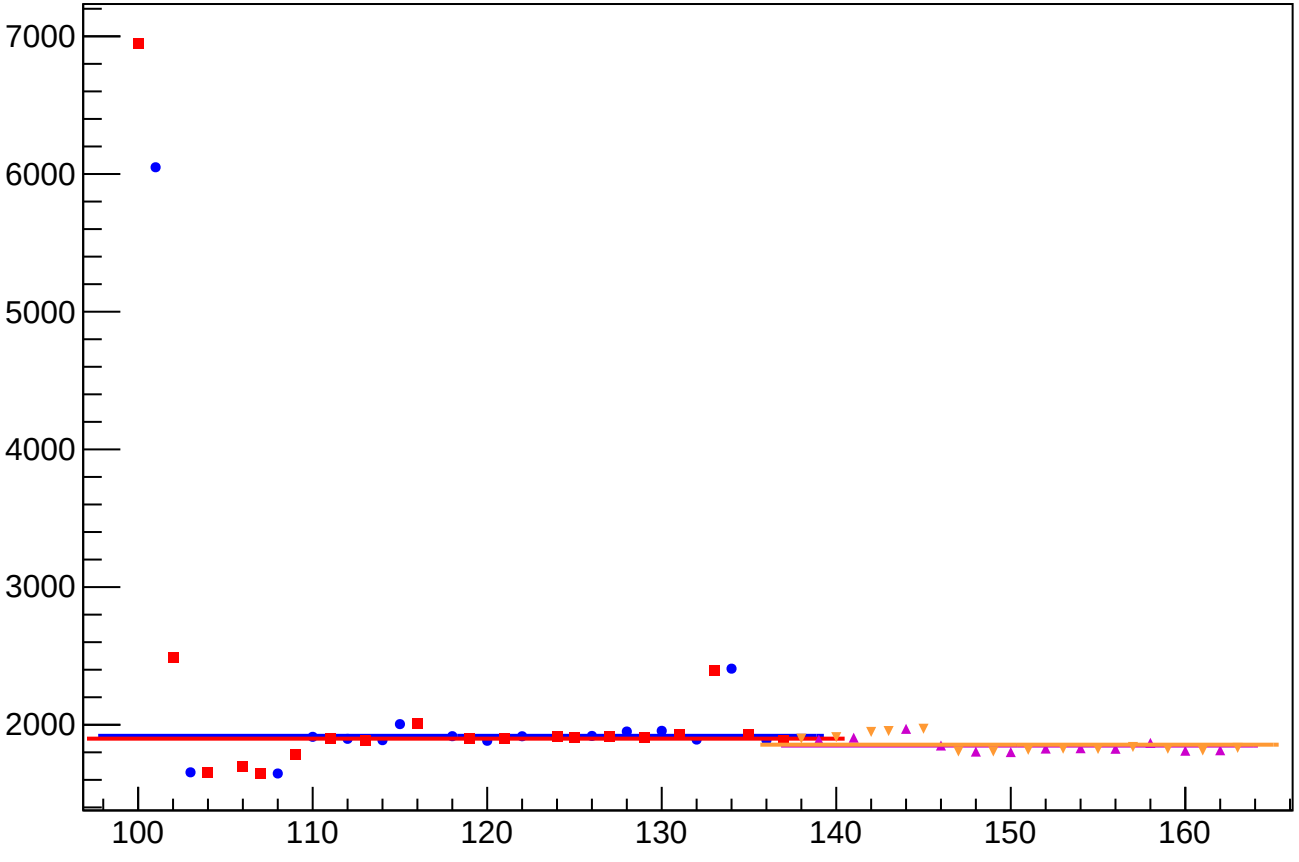
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3219.436+/-451.729 χ^2/NDF:26.2/27

Out: 1536.271+/-437.138 χ^2/NDF:32.1/32

All: 2350.233+/-314.135 χ^2/NDF: 65.5/60

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1855.551+/-0.392 χ^2/NDF:19858.3/13

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1848.849+/-0.406 χ^2/NDF:13700.7/11

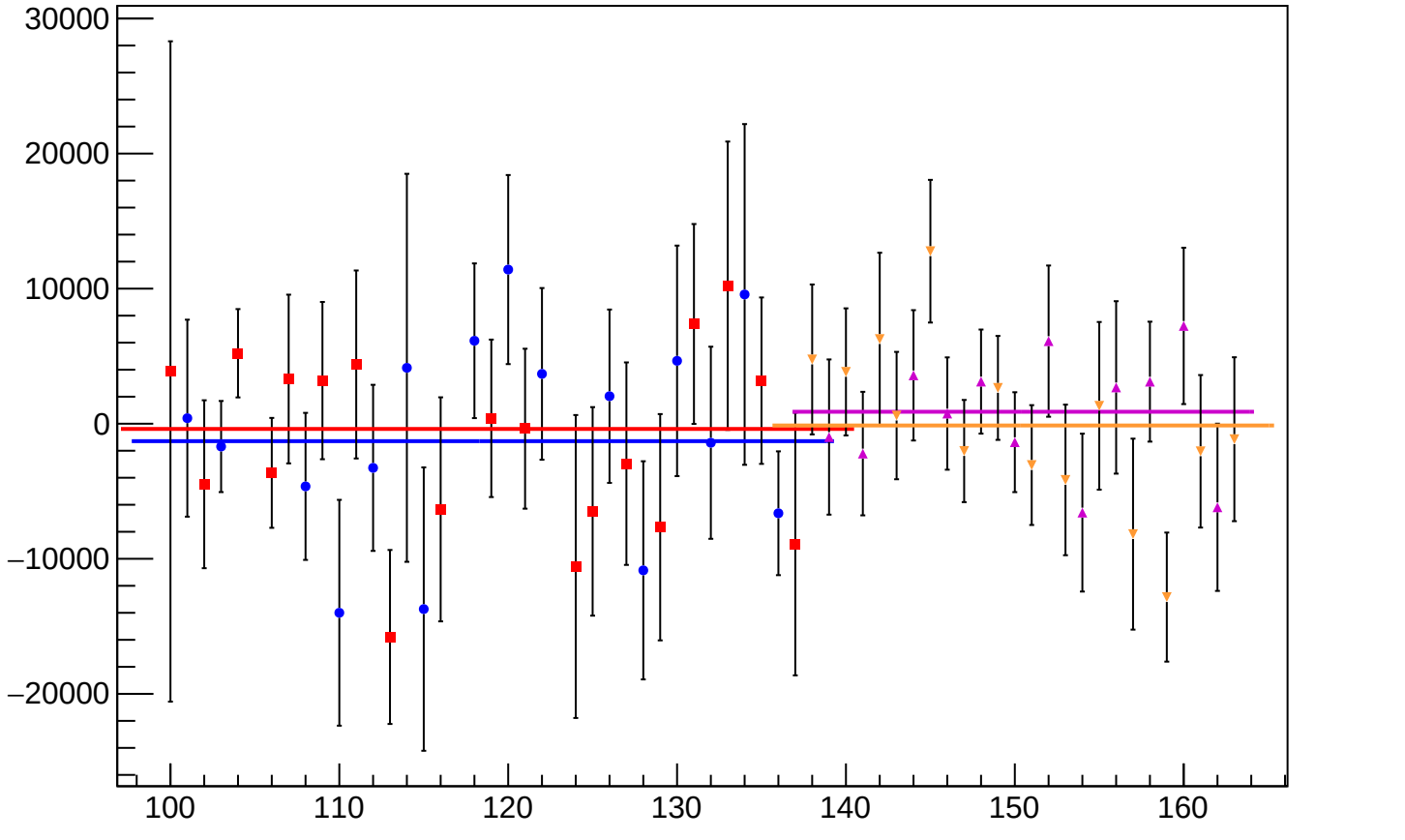
Left: 1852.320+/-0.282 χ^2/NDF: 33700.0/25

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1875.944+/-0.319 χ^2/NDF:722685.2/27

Out: 1872.149+/-0.309 χ^2/NDF:240245.7/32

All: 1873.983+/-0.222 χ^2/NDF: 963003.8/60



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: -130.928+/-1346.288 χ^2/NDF:18.8/13

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 884.889+/-1397.797 χ^2/NDF:6.9/11

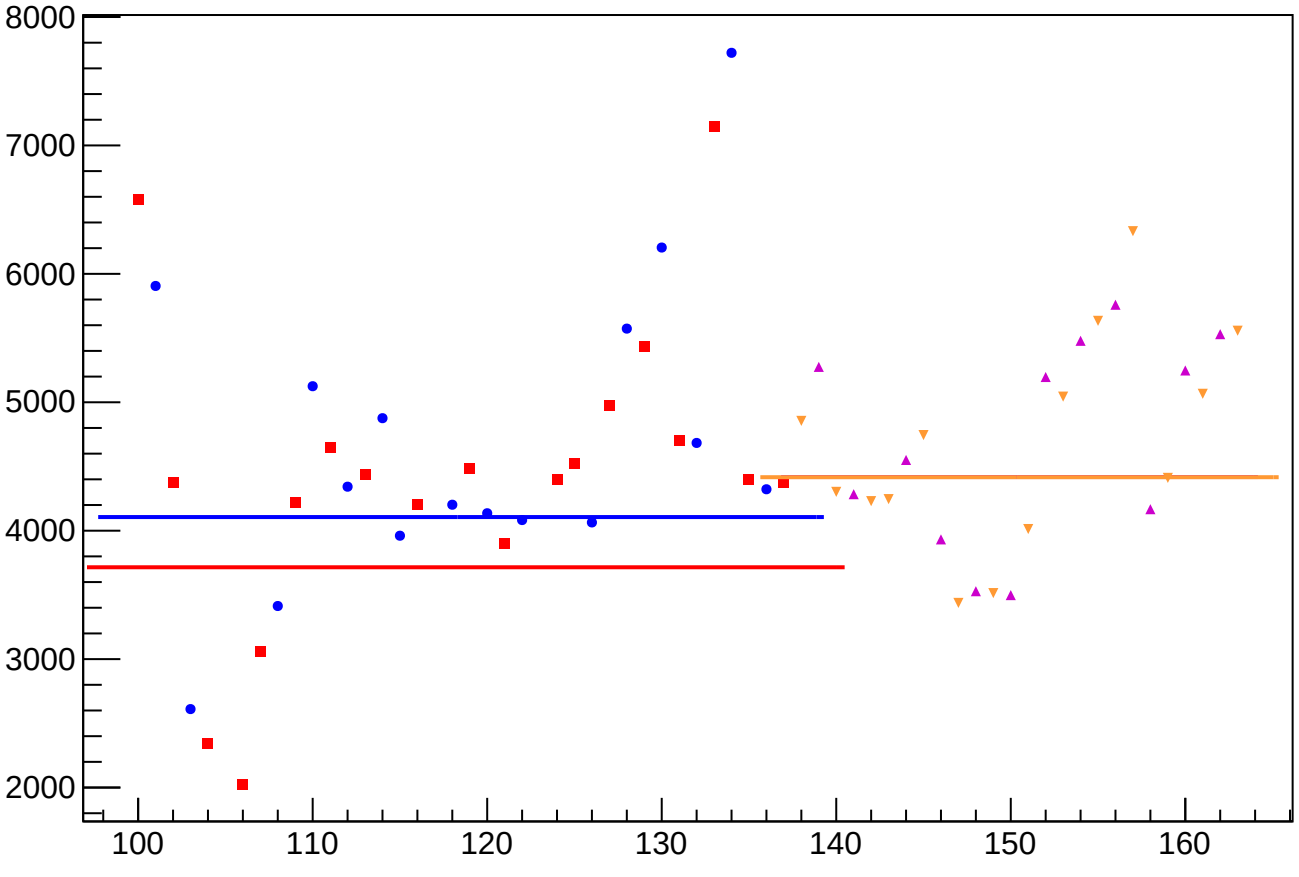
Left: 357.919+/-969.668 χ^2/NDF: 26.0/25

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -66.677+/-1048.487 χ^2/NDF:22.2/27

Out: -249.635+/-987.080 χ^2/NDF:35.8/32

All: -163.670+/-718.700 χ^2/NDF: 58.1/60



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4416.541+/-0.952 χ^2/NDF:632480.6/13

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4417.945+/-0.988 χ^2/NDF:610248.8/11

Left: 4417.216+/-0.686 χ^2/NDF: 1242730.5/25

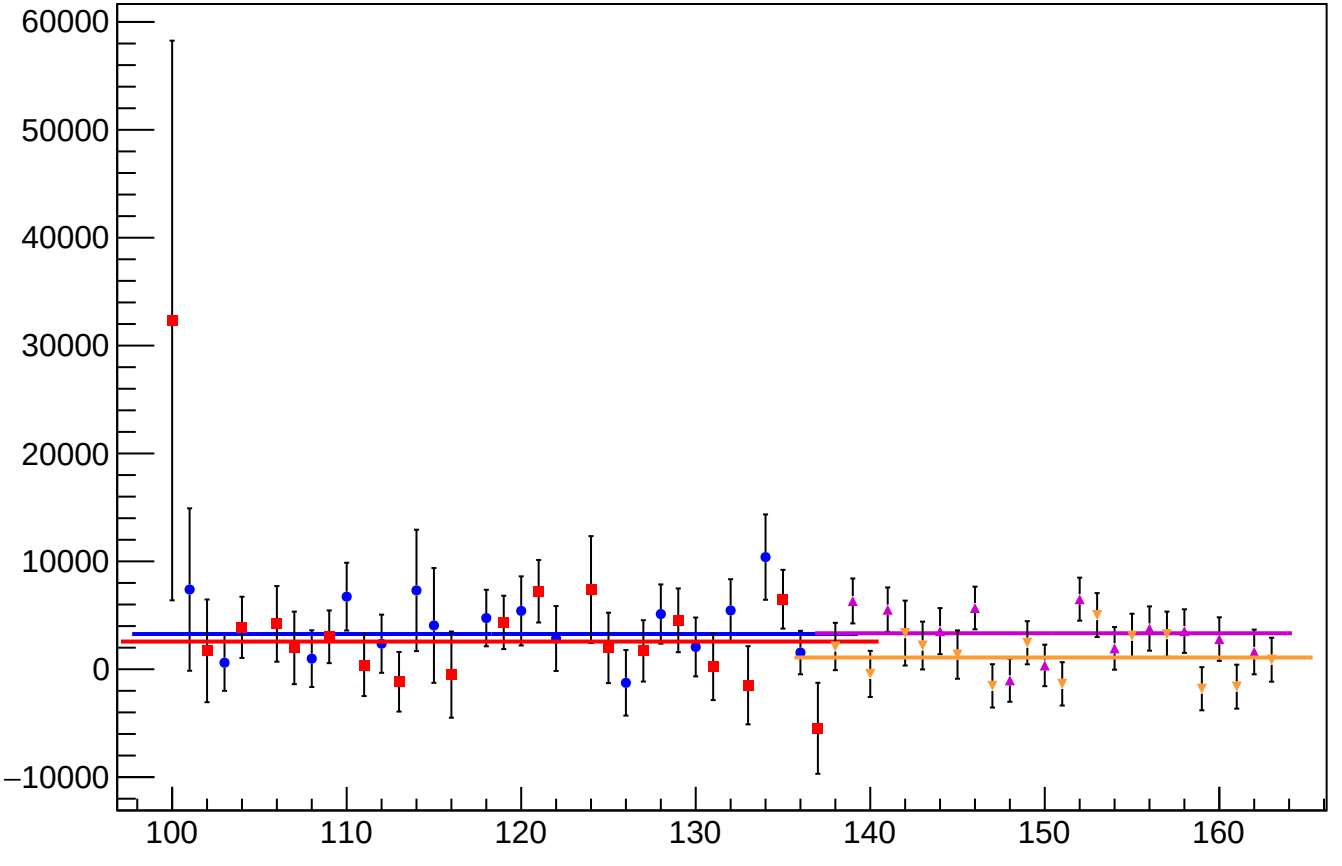
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4281.618+/-0.741 χ^2/NDF:1609378.6/27

Out: 4092.216+/-0.698 χ^2/NDF:2218574.5/32

All: 4181.208+/-0.508 χ^2/NDF: 3862552.3/60

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1087.564+/-565.273 χ^2/NDF:14.9/13

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3335.036+/-584.159 χ^2/NDF:15.6/11

Left: 2174.382+/-406.221 χ^2/NDF: 38.1/25

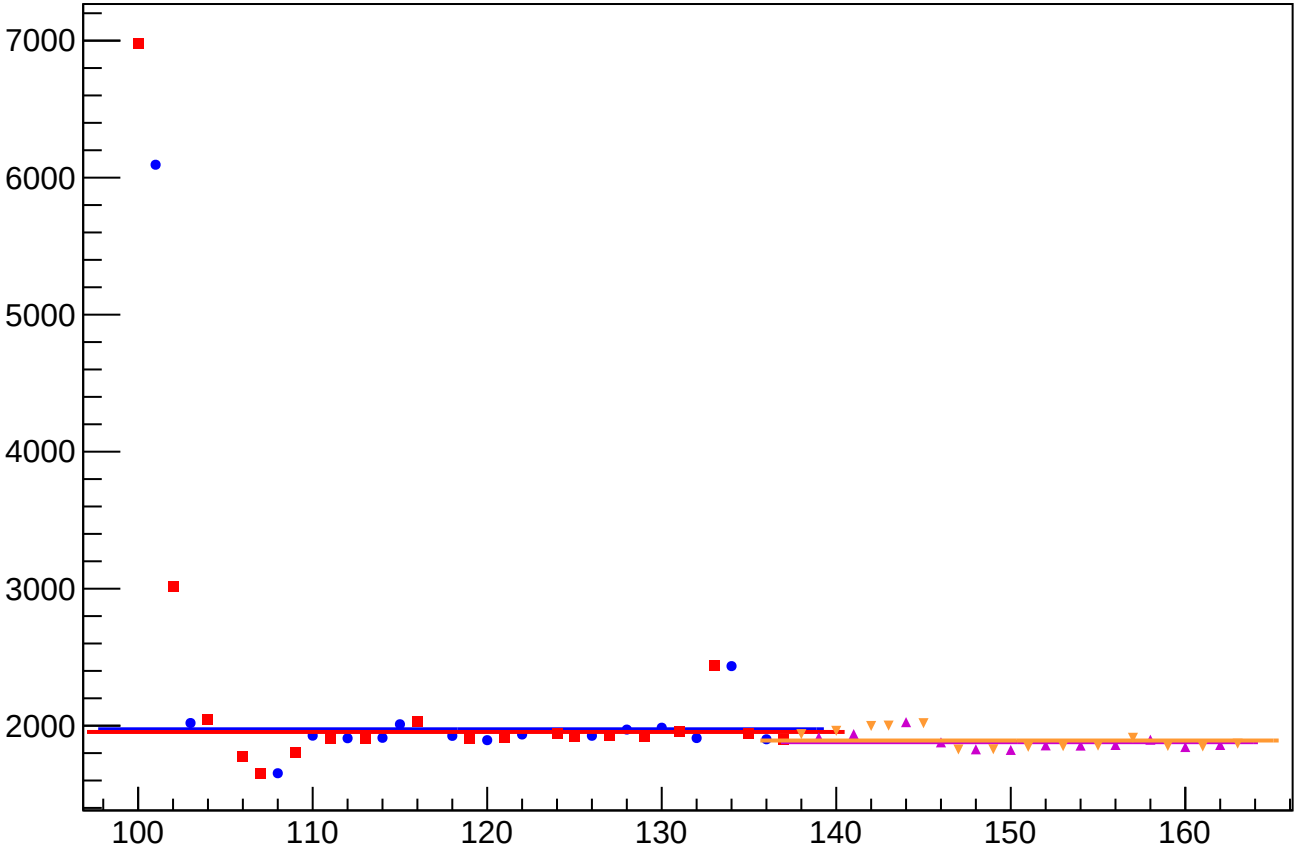
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3308.493+/-461.062 χ^2/NDF:27.8/27

Out: 1637.403+/-448.054 χ^2/NDF:34.4/32

All: 2449.042+/-321.322 χ^2/NDF: 69.0/60

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.912+/-0.400 χ^2/NDF:25586.7/13

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1879.758+/-0.413 χ^2/NDF:16448.8/11

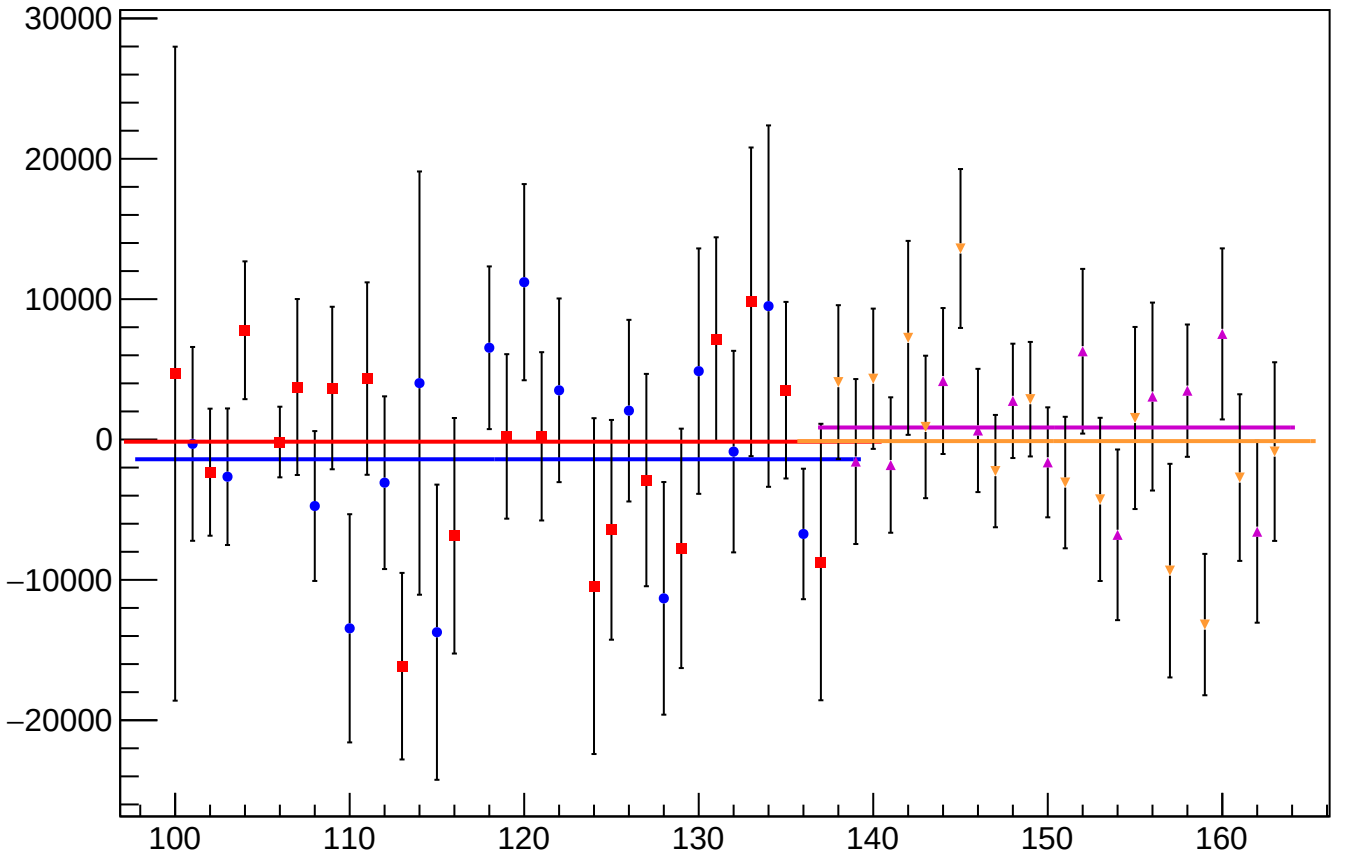
Left: 1886.035+/-0.287 χ^2/NDF: 42482.5/25

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1915.197+/-0.326 χ^2/NDF:701095.0/27

Out: 1915.144+/-0.317 χ^2/NDF:280875.6/32

All: 1915.169+/-0.227 χ^2/NDF: 981970.6/60



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: -113.914+/-1420.620 χ^2/NDF:18.6/13

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 856.787+/-1473.924 χ^2/NDF:6.9/11

Left: 353.567+/-1022.855 χ^2/NDF: 25.7/25

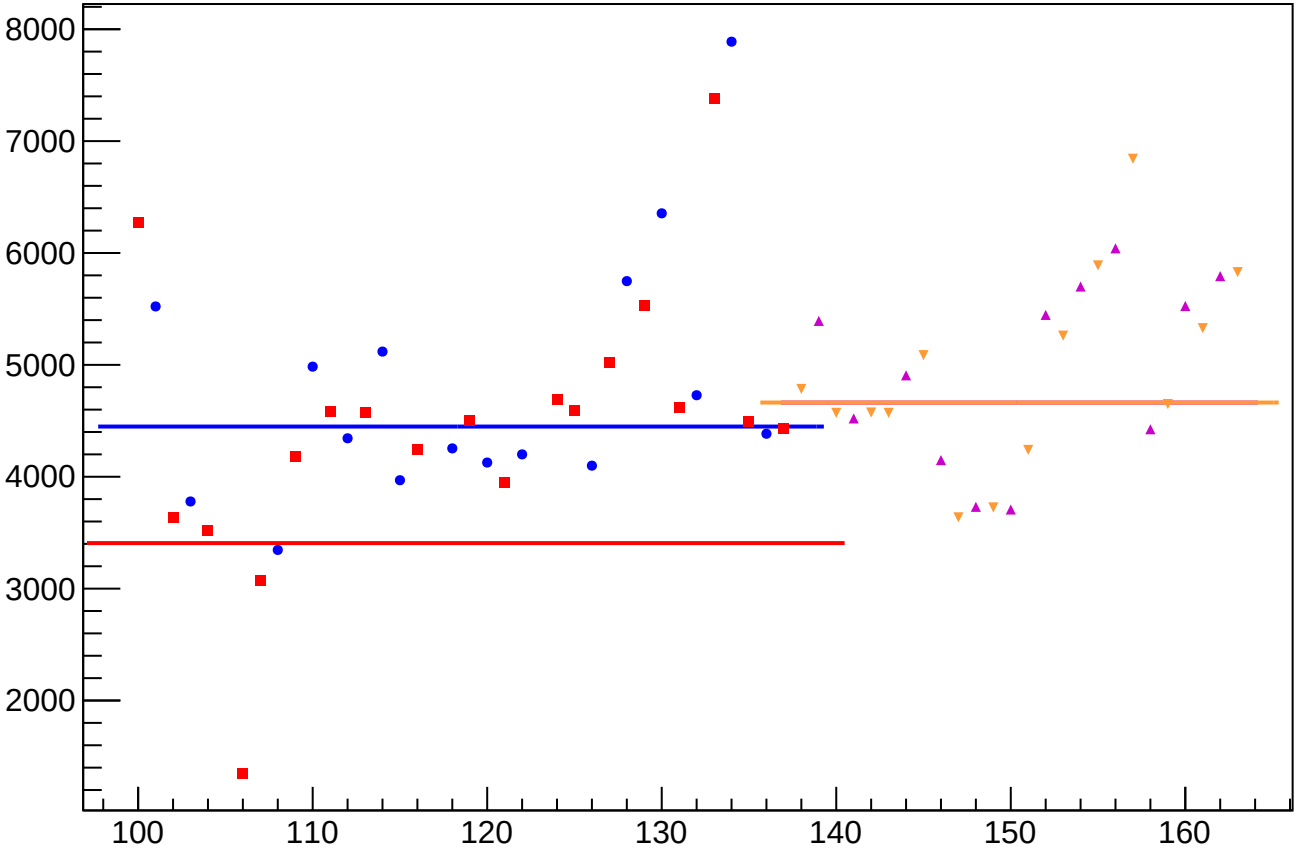
Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -121.394+/-1110.808 χ^2/NDF:22.1/27

Out: -135.439+/-983.767 χ^2/NDF:34.5/32

All: -129.265+/-736.467 χ^2/NDF: 56.6/60

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4663.328+/-1.005 χ^2/NDF:616063.3/13

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4662.971+/-1.042 χ^2/NDF:572664.8/11

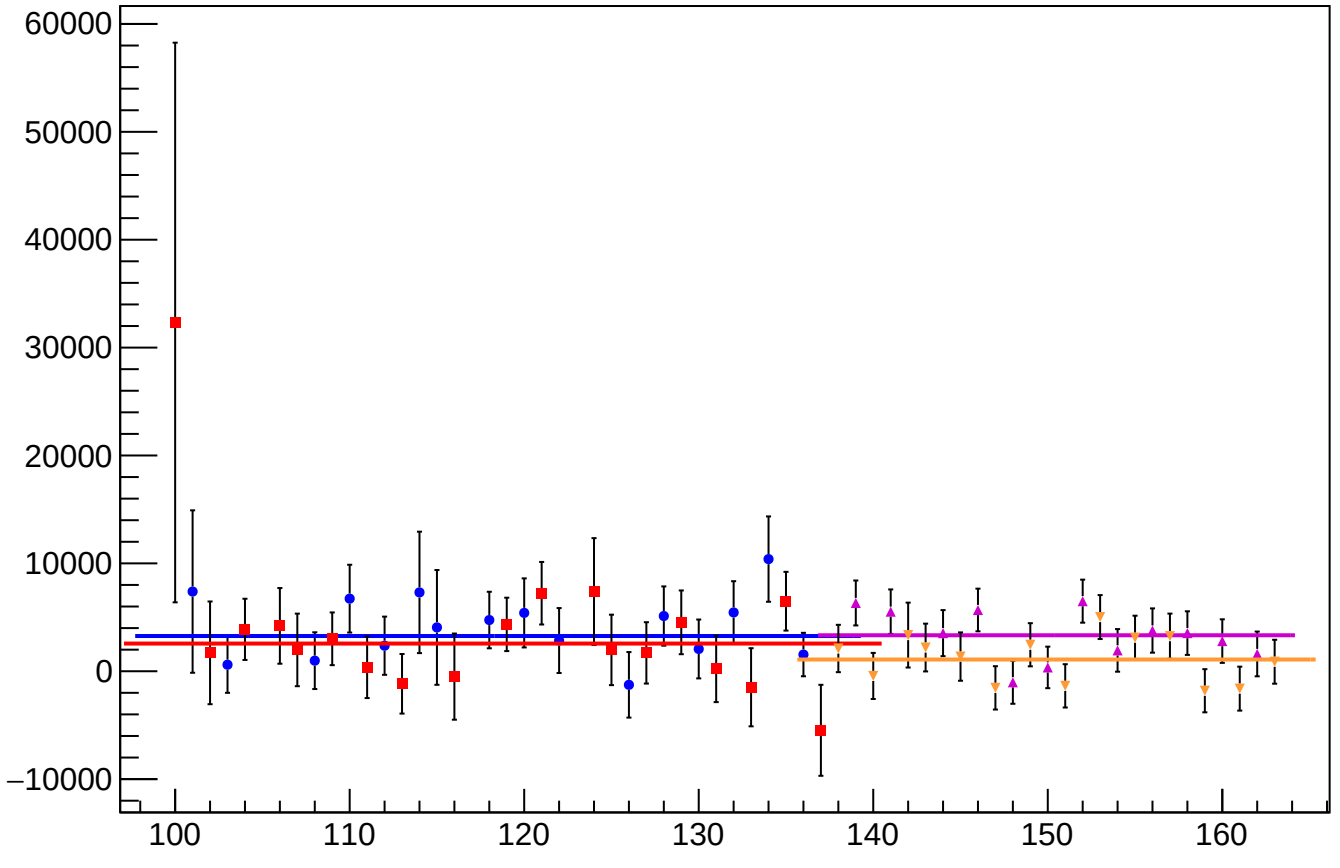
Left: 4663.156+/-0.723 χ^2/NDF: 1188728.1/25

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4570.405+/-0.785 χ^2/NDF:1085537.2/27

Out: 4009.531+/-0.696 χ^2/NDF:3756031.9/32

All: 4256.075+/-0.521 χ^2/NDF: 5127330.4/60



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1087.554+/-565.273 χ^2/NDF:14.9/13

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3335.036+/-584.159 χ^2/NDF:15.6/11

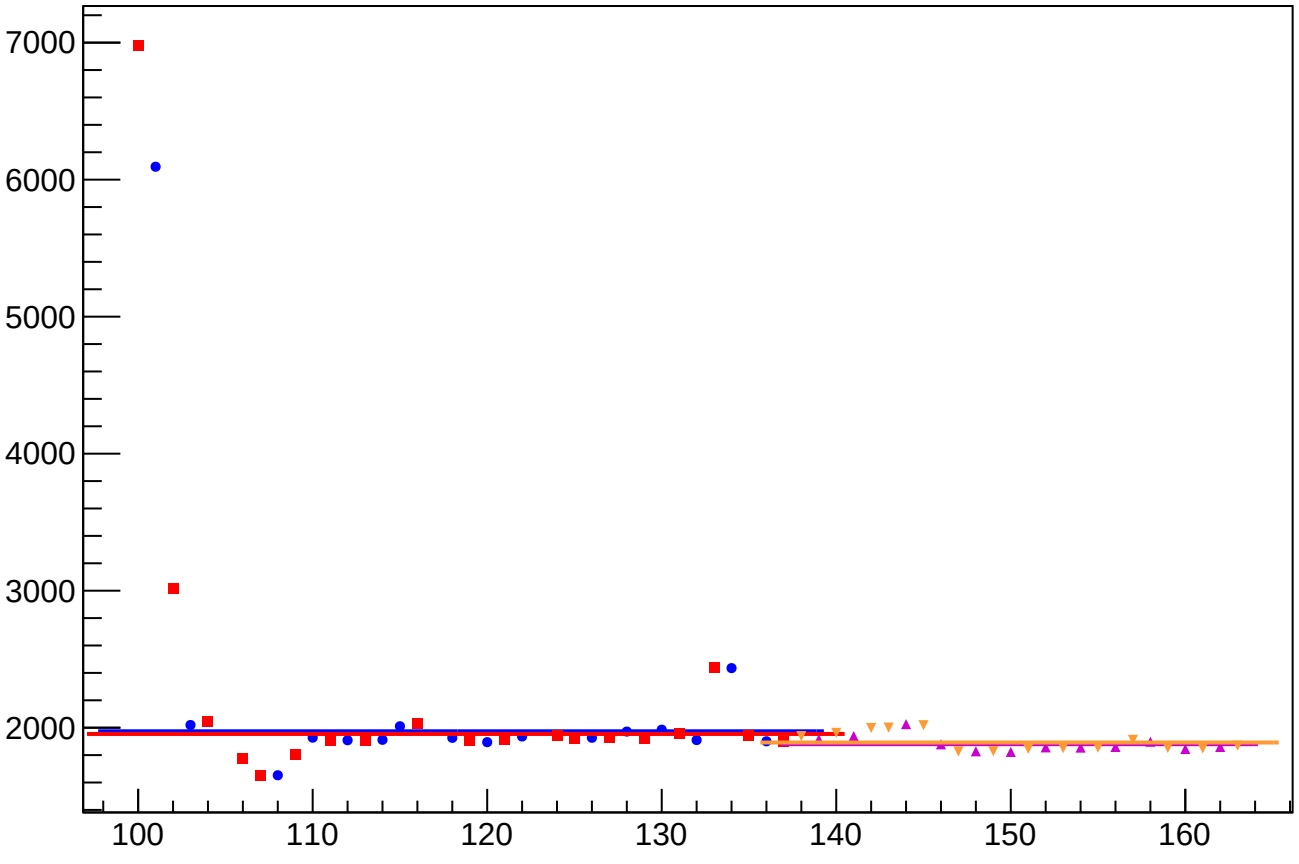
Left: 2174.377+/-406.221 χ^2/NDF: 38.1/25

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3308.495+/-461.062 χ^2/NDF:27.8/27

Out: 1637.399+/-448.054 χ^2/NDF:34.4/32

All: 2449.041+/-321.322 χ^2/NDF: 69.0/60



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1891.913+/-0.400 χ^2/NDF:25586.7/13

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1879.759+/-0.413 χ^2/NDF:16448.7/11

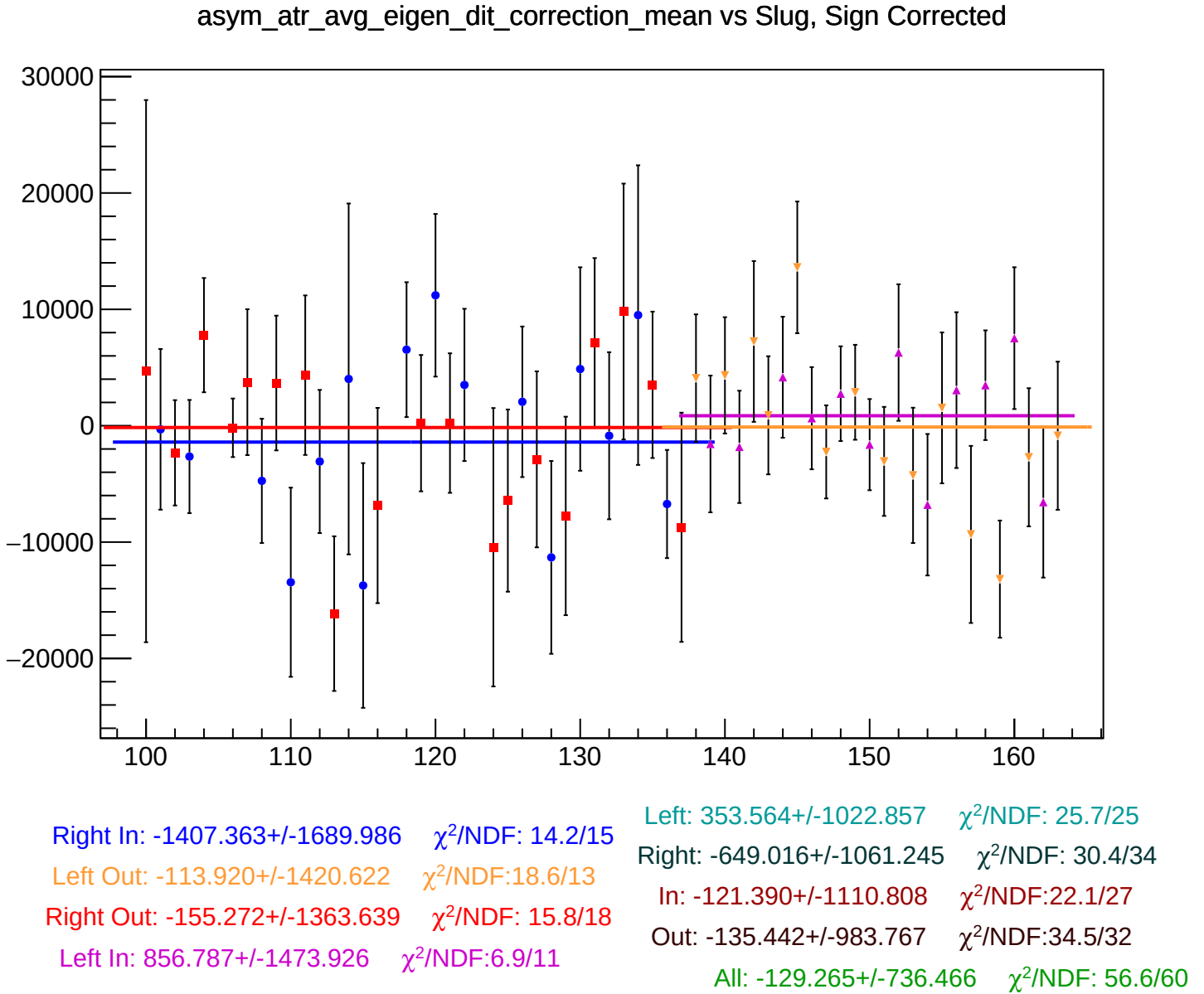
Left: 1886.035+/-0.287 χ^2/NDF: 42482.5/25

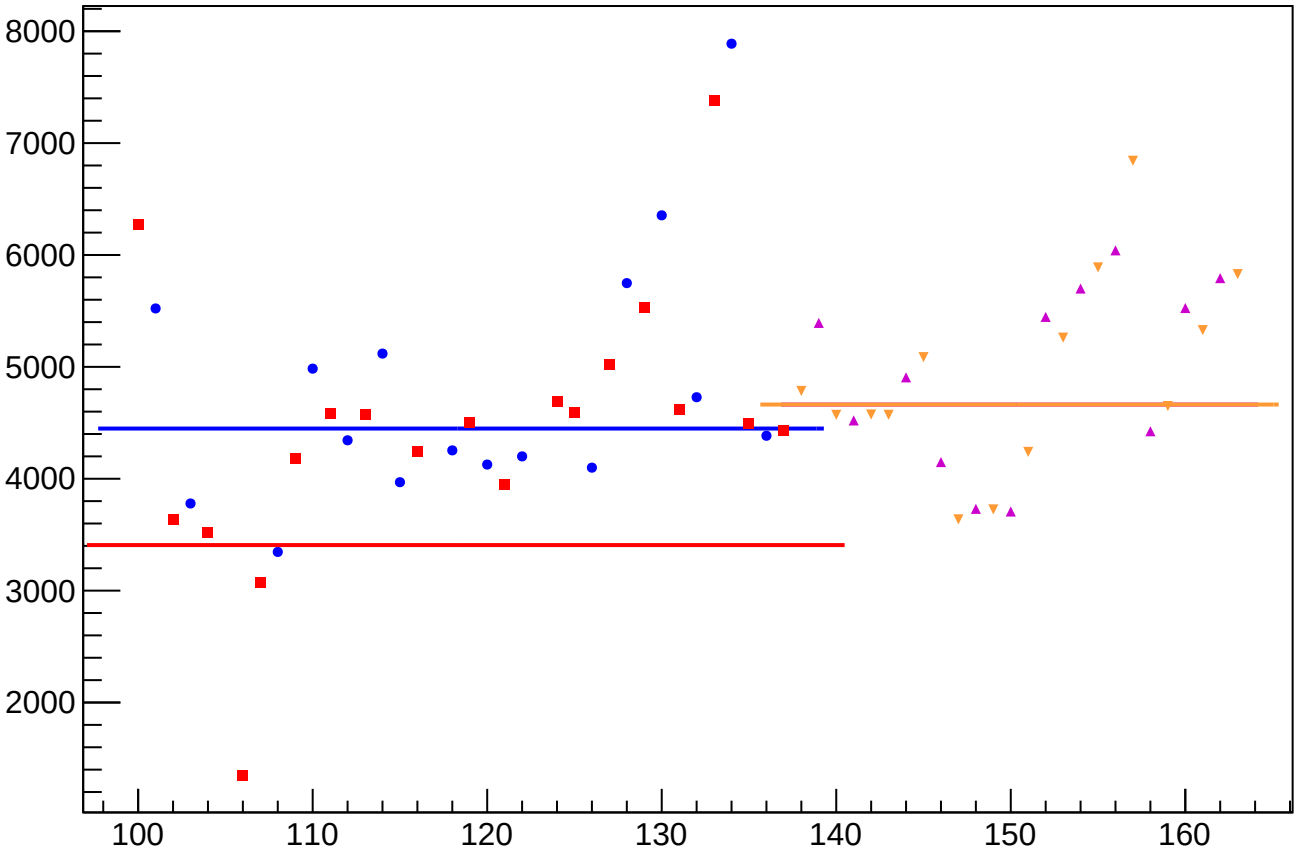
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1915.197+/-0.326 χ^2/NDF:701094.5/27

Out: 1915.144+/-0.317 χ^2/NDF:280874.7/32

All: 1915.170+/-0.227 χ^2/NDF: 981969.3/60


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: -113.920+/-1420.622 χ²/NDF:18.6/13
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 856.787+/-1473.926 χ²/NDF:6.9/11
Left: 353.564+/-1022.857 χ²/NDF: 25.7/25
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -121.390+/-1110.808 χ²/NDF:22.1/27
Out: -135.442+/-983.767 χ²/NDF:34.5/32
All: -129.265+/-736.466 χ²/NDF: 56.6/60



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4663.335+/-1.005 χ^2/NDF:616063.2/13

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4662.978+/-1.042 χ^2/NDF:572662.8/11

Left: 4663.163+/-0.723 χ^2/NDF: 1188726.0/25

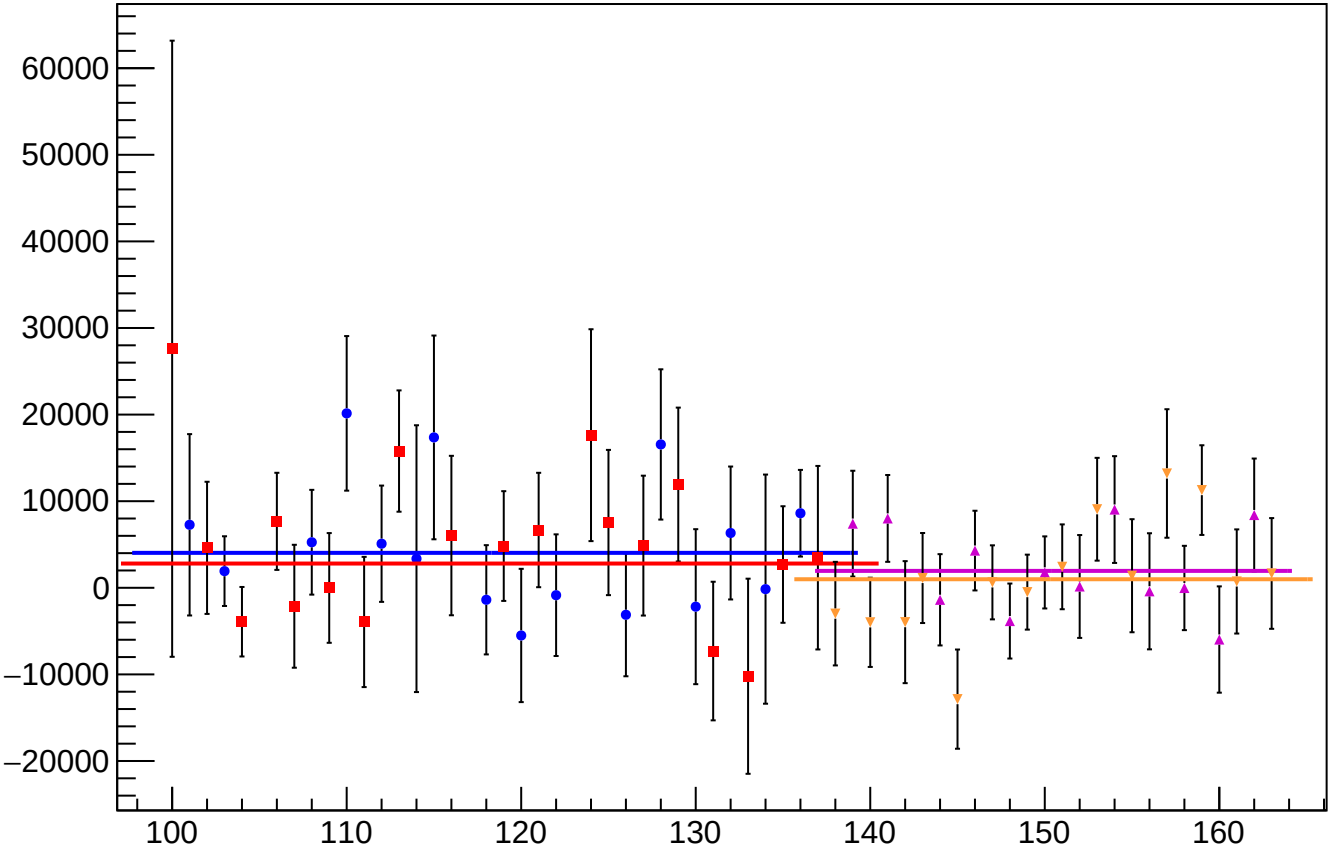
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4570.406+/-0.785 χ^2/NDF:1085534.7/27

Out: 4009.528+/-0.696 χ^2/NDF:3756055.6/32

All: 4256.073+/-0.521 χ^2/NDF: 5127355.4/60

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 987.757+/-1470.493 χ^2/NDF:16.5/13

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1951.349+/-1524.846 χ^2/NDF:9.1/11

Left: 1452.073+/-1058.489 χ^2/NDF: 25.7/25

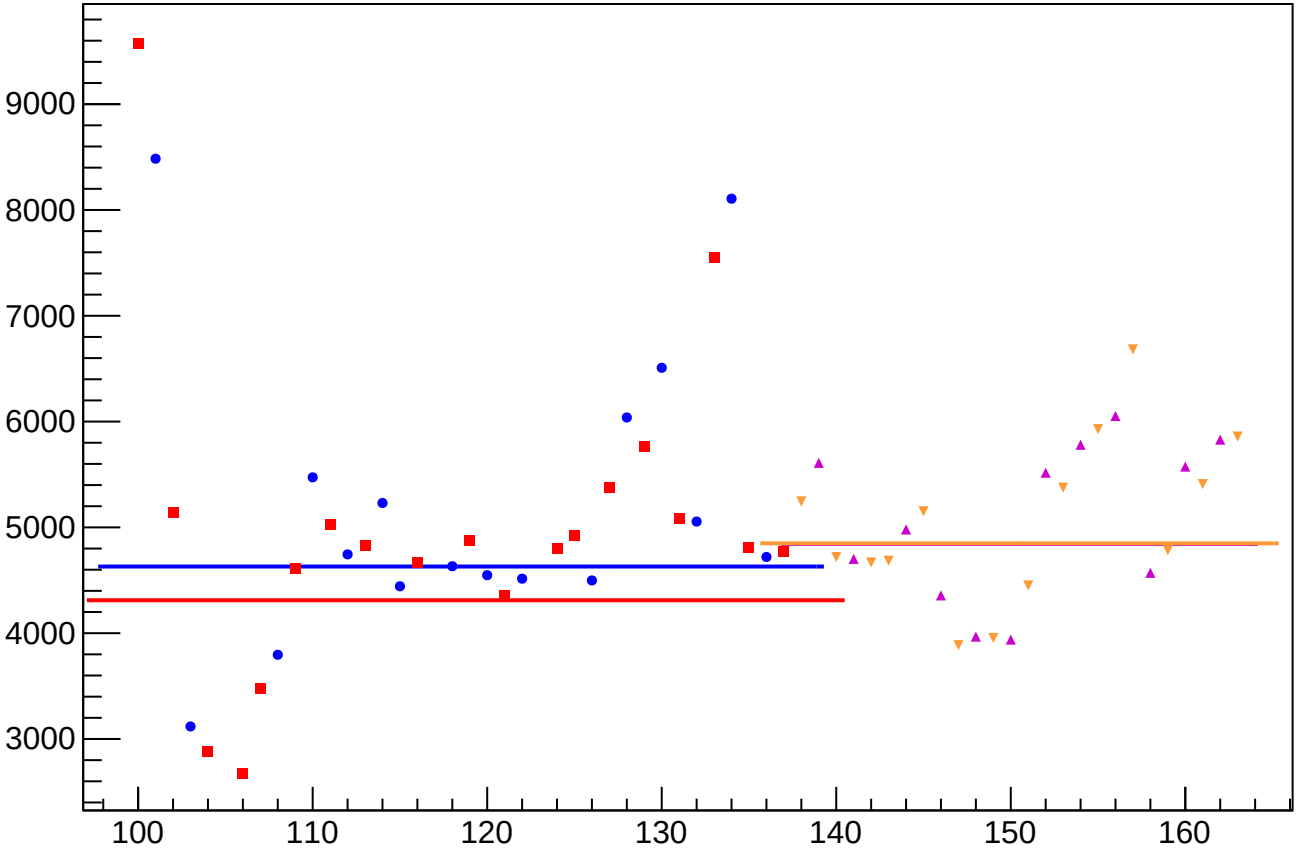
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2831.917+/-1158.587 χ^2/NDF:22.2/27

Out: 1778.452+/-1104.167 χ^2/NDF:32.5/32

All: 2279.863+/-799.311 χ^2/NDF: 55.2/60

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4849.123+/-1.040 χ^2/NDF:478899.2/13

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4842.930+/-1.078 χ^2/NDF:450386.1/11

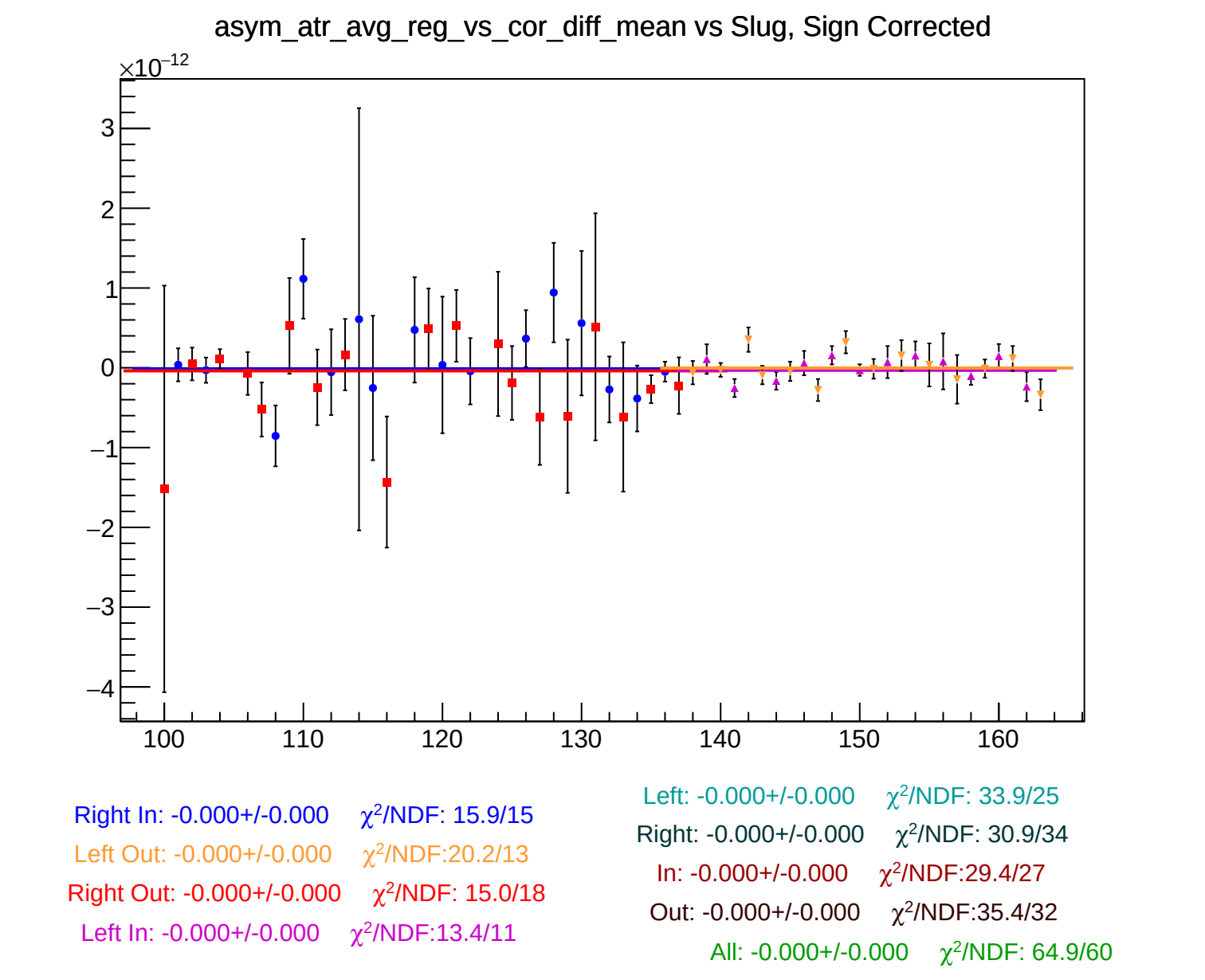
Left: 4846.139+/-0.748 χ^2/NDF: 929302.4/25

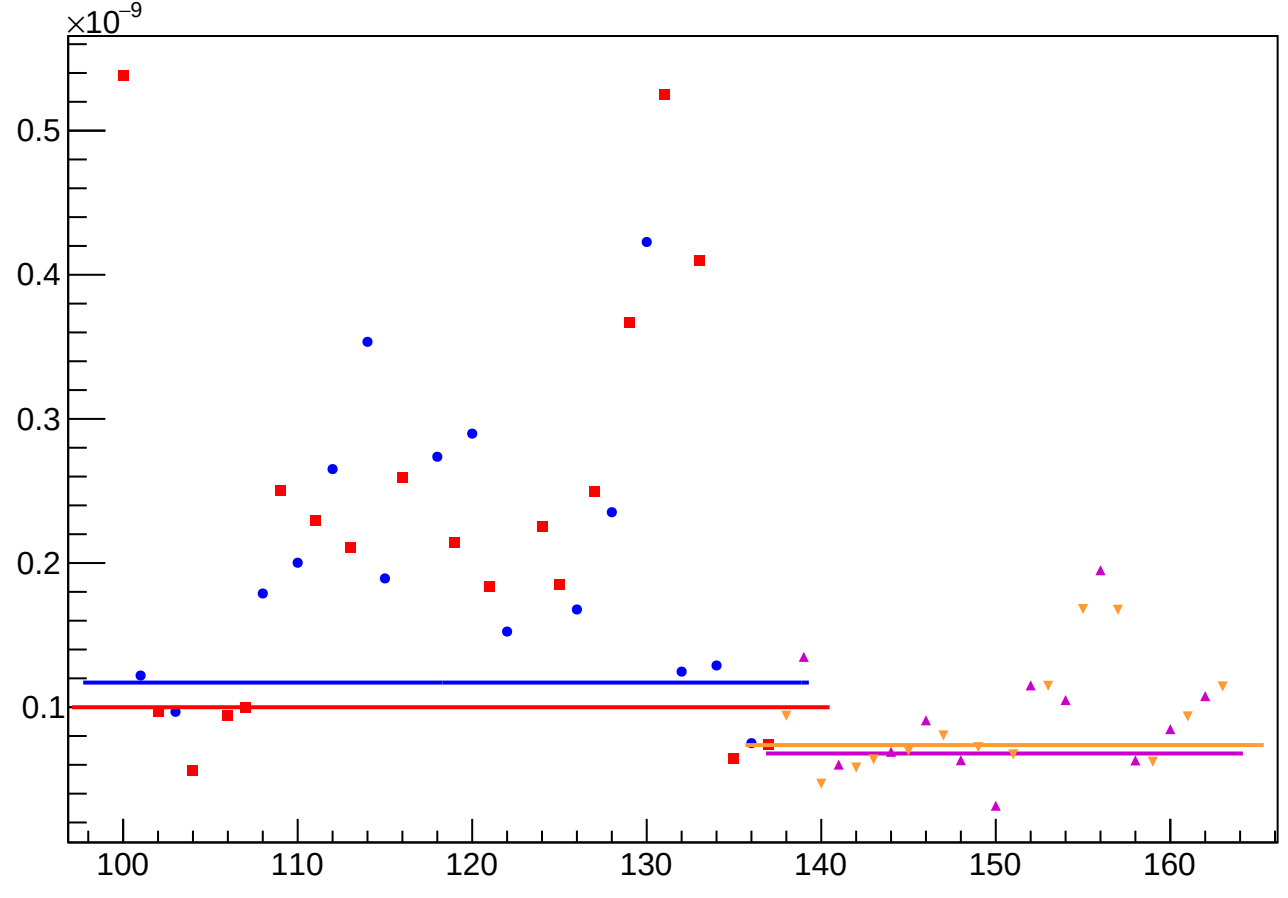
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4752.912+/-0.819 χ^2/NDF:1367122.2/27

Out: 4612.200+/-0.778 χ^2/NDF:1501509.7/32

All: 4678.907+/-0.564 χ^2/NDF: 2884147.2/60


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:20.2/13
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:13.4/11
Left: -0.000+/-0.000 χ²/NDF: 33.9/25
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:29.4/27
Out: -0.000+/-0.000 χ²/NDF:35.4/32
All: -0.000+/-0.000 χ²/NDF: 64.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:944647.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1412446.8/11

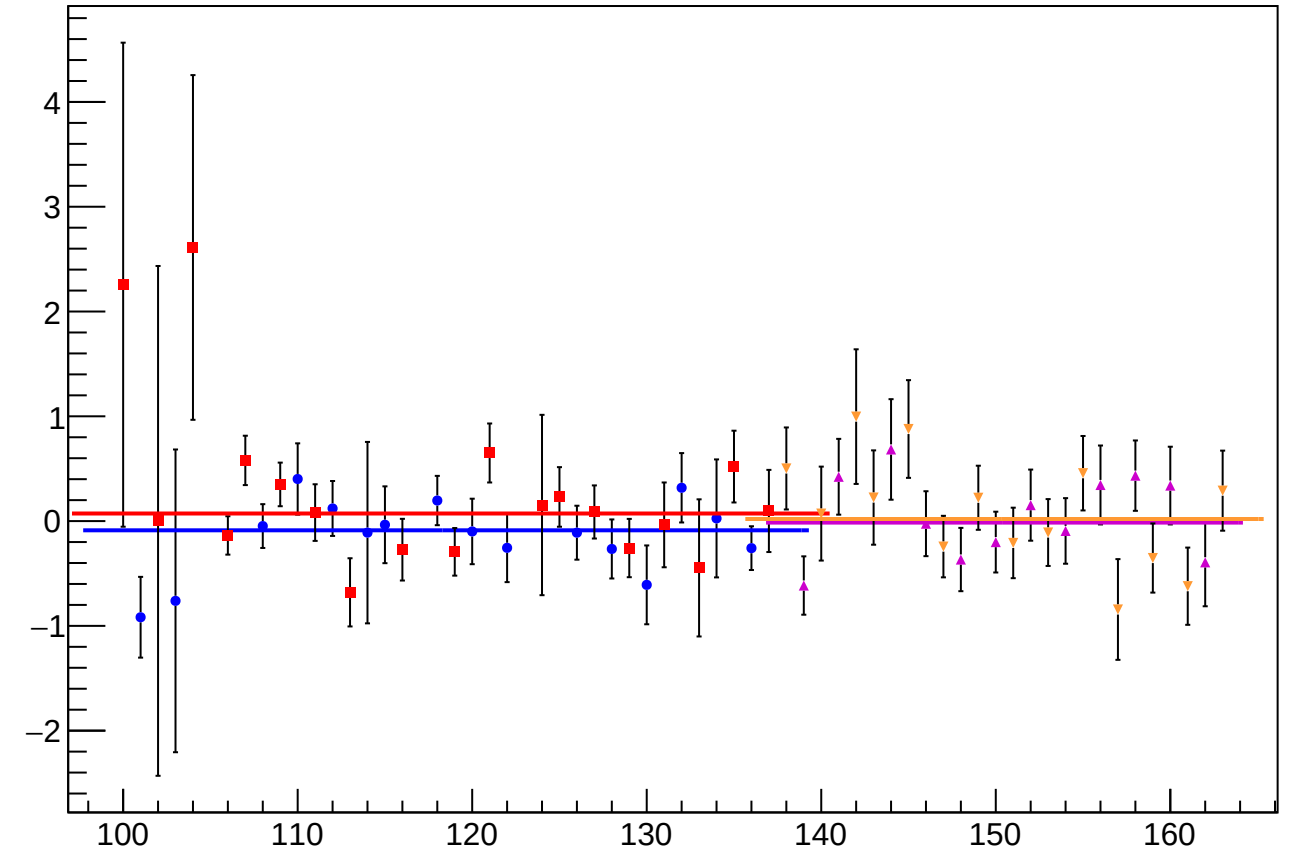
Left: 0.000+/-0.000 χ^2/NDF: 2381727.7/25

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3197183.2/27

Out: 0.000+/-0.000 χ^2/NDF:2996297.1/32

All: 0.000+/-0.000 χ^2/NDF: 6195769.8/60



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.014+/-0.097 χ^2/NDF:14.7/11

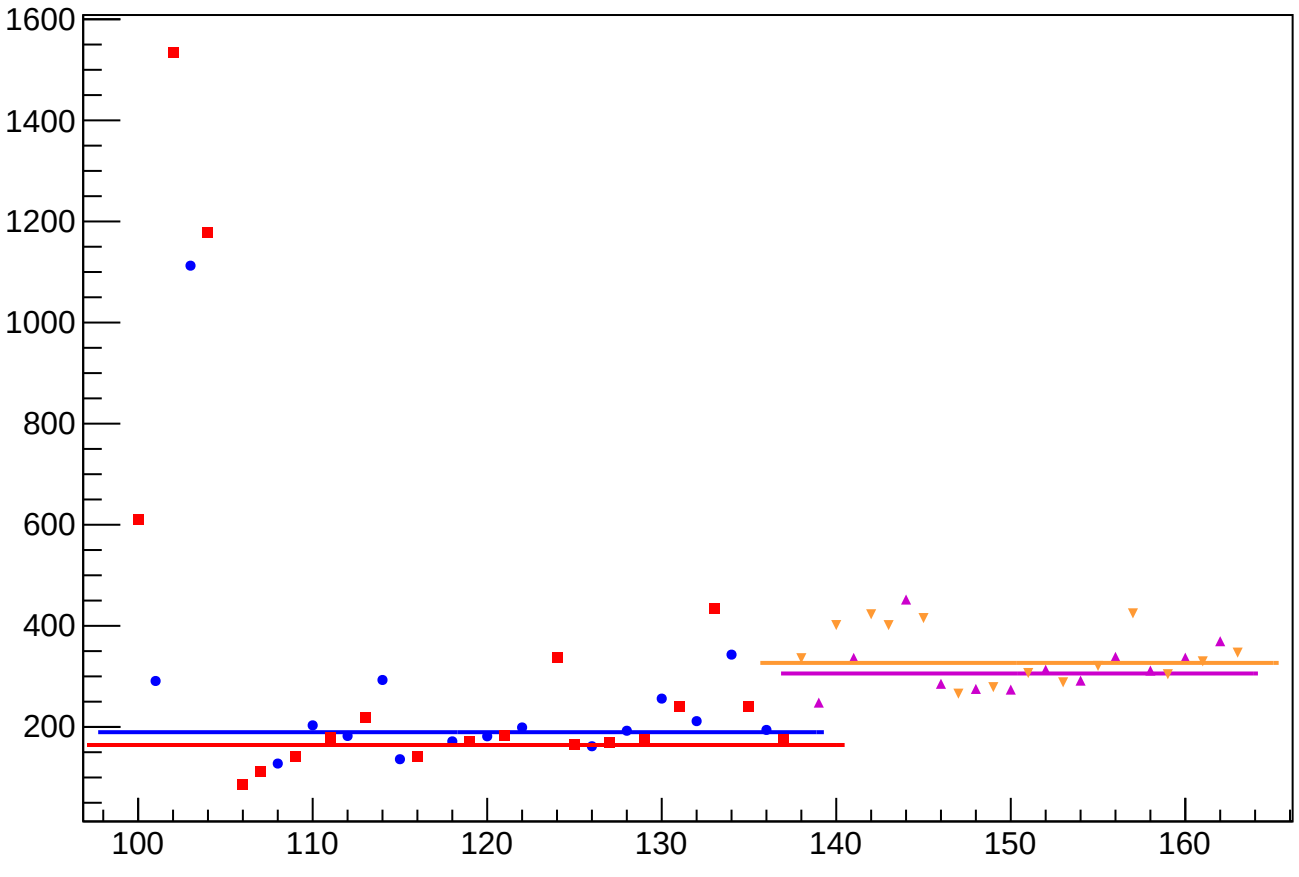
Left: 0.002+/-0.070 χ^2/NDF: 33.6/25

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.060+/-0.060 χ^2/NDF:28.9/27

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.001+/-0.042 χ^2/NDF: 78.5/60



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 326.697+/-0.071 χ^2/NDF:499017.4/13

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 305.749+/-0.069 χ^2/NDF:420759.0/11

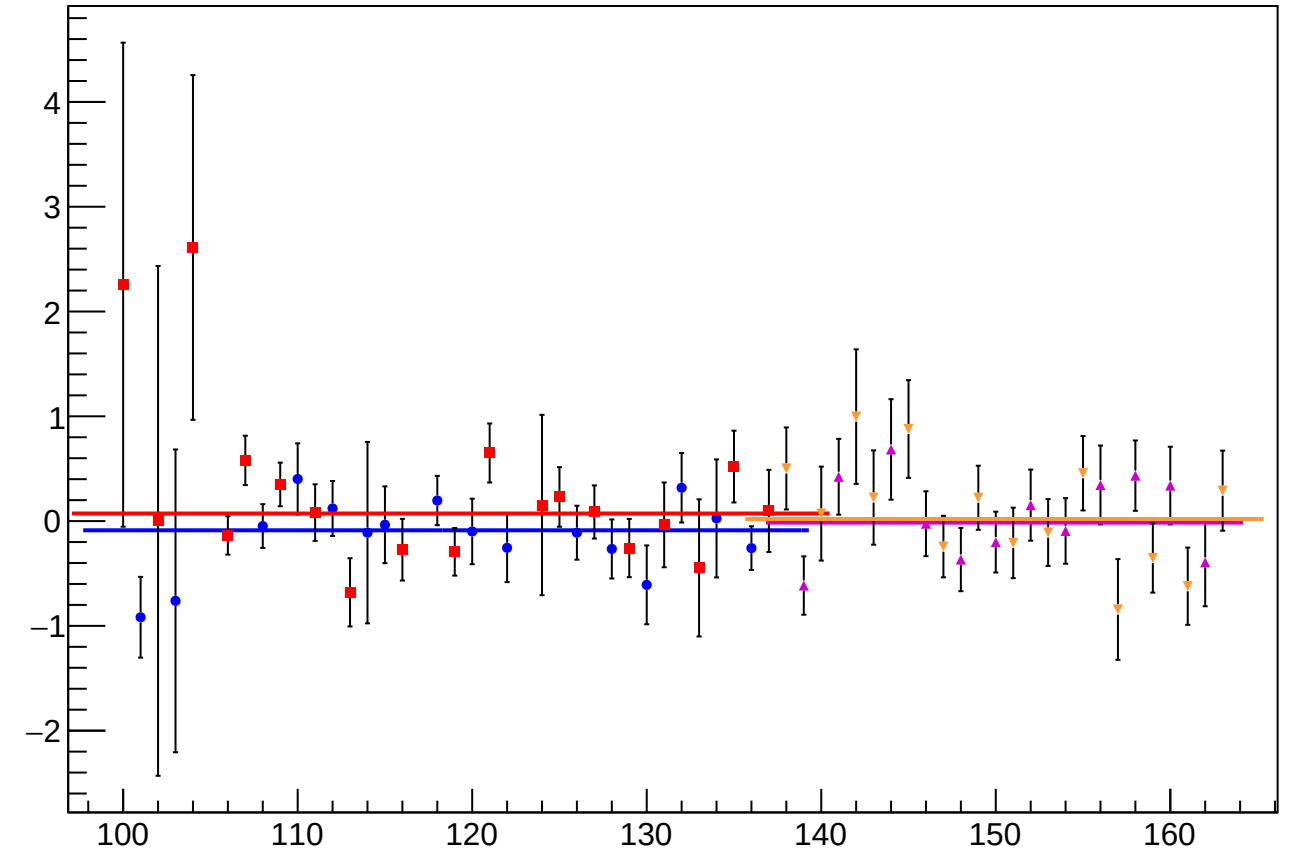
Left: 315.925+/-0.049 χ^2/NDF: 964934.0/25

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 234.255+/-0.043 χ^2/NDF:3644835.1/27

Out: 217.734+/-0.041 χ^2/NDF:6684103.5/32

All: 225.589+/-0.029 χ^2/NDF: 10407856.1/60



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.014+/-0.097 χ^2/NDF:14.7/11

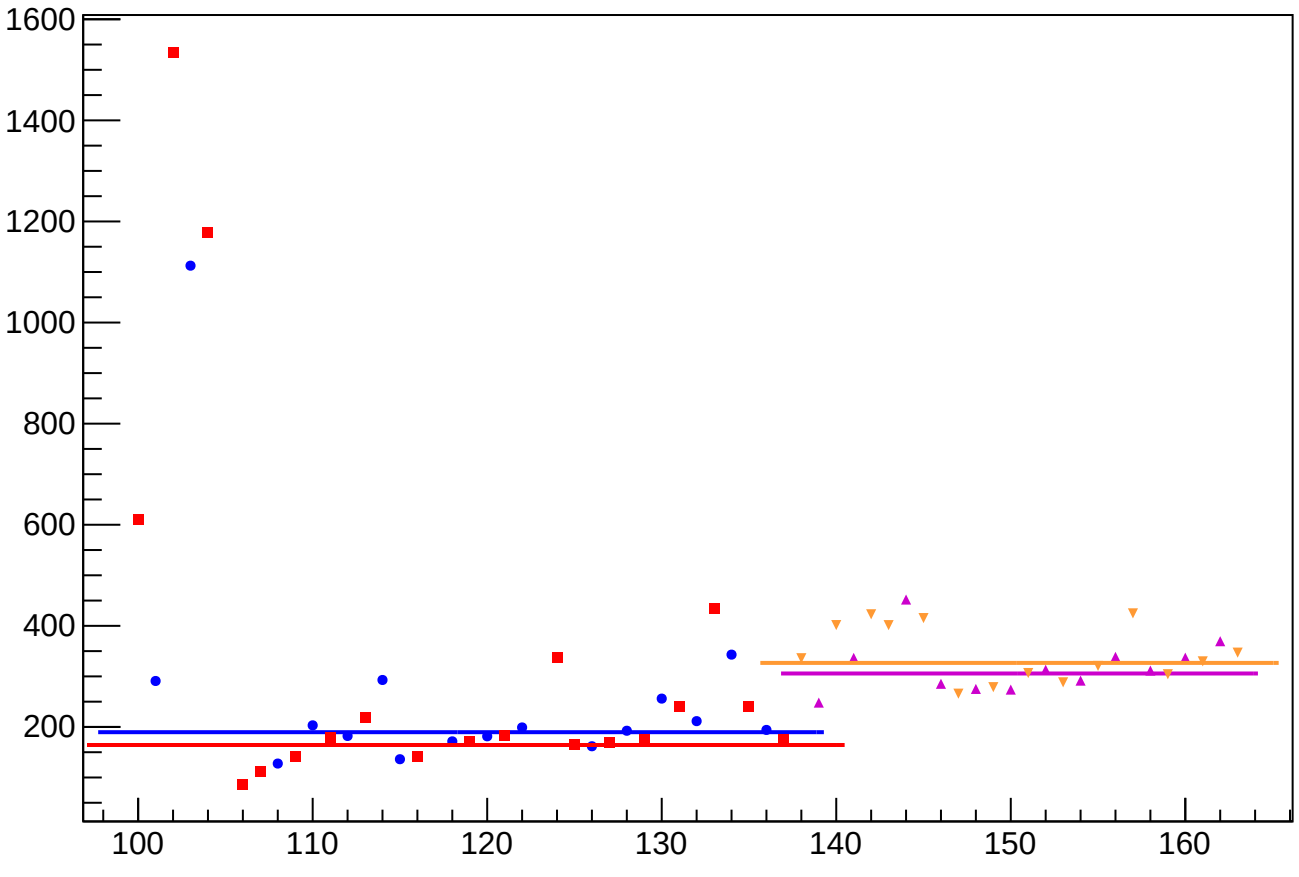
Left: 0.002+/-0.070 χ^2/NDF: 33.6/25

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.060+/-0.060 χ^2/NDF:28.9/27

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.001+/-0.042 χ^2/NDF: 78.5/60



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 326.697+/-0.071 χ^2/NDF:499017.4/13

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 305.749+/-0.069 χ^2/NDF:420759.0/11

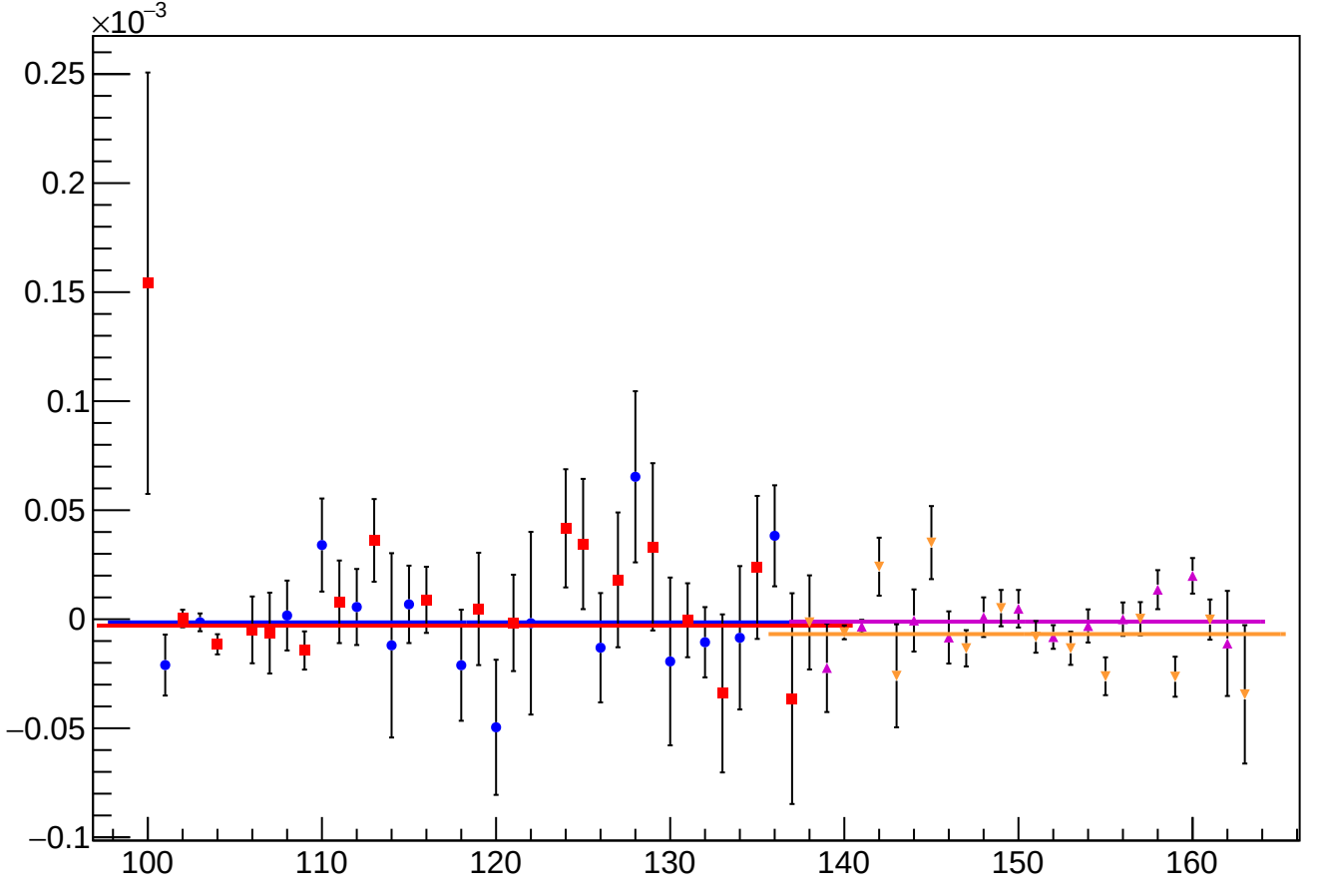
Left: 315.925+/-0.049 χ^2/NDF: 964934.0/25

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 234.255+/-0.043 χ^2/NDF:3644835.1/27

Out: 217.734+/-0.041 χ^2/NDF:6684103.5/32

All: 225.589+/-0.029 χ^2/NDF: 10407856.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/11

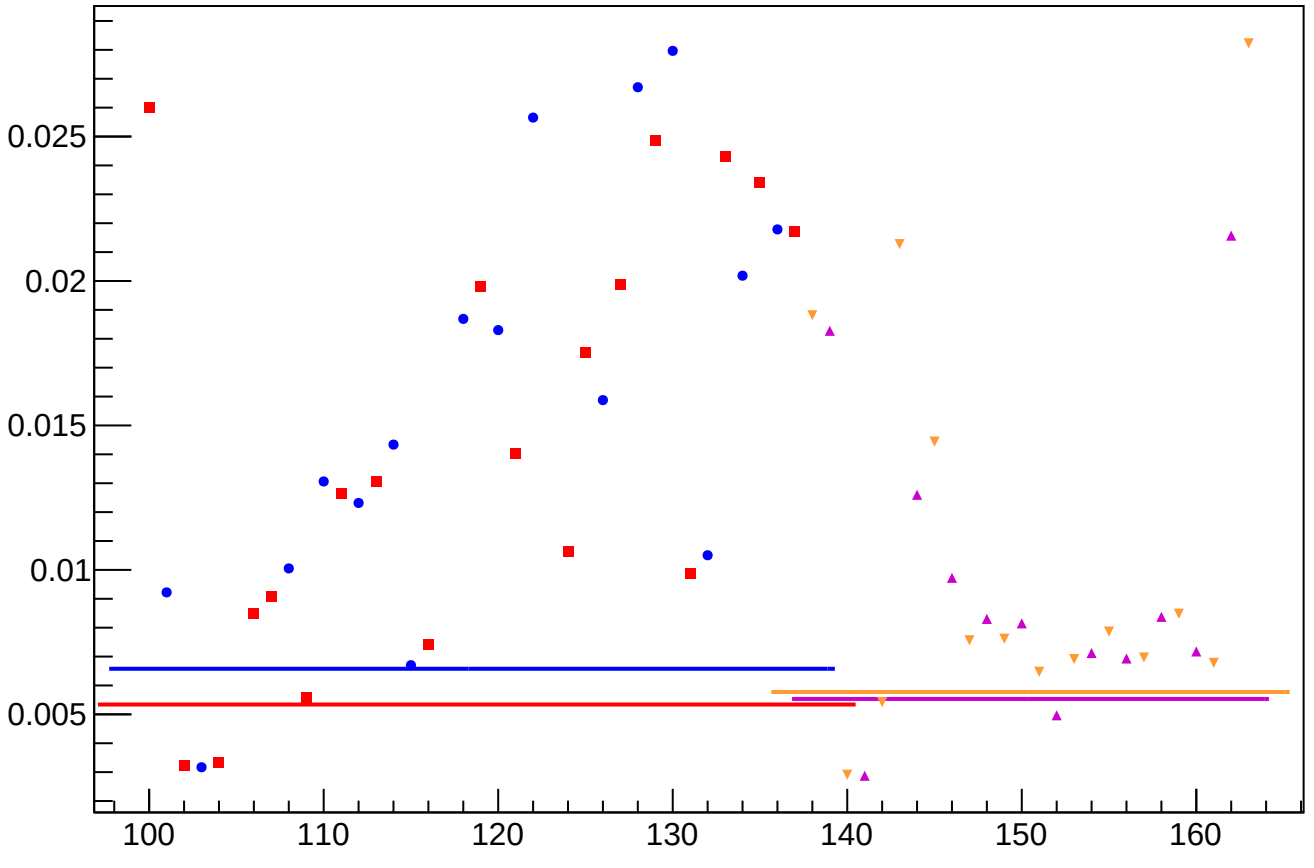
Left: -0.000+/-0.000 χ^2/NDF: 45.1/25

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:28.6/27

Out: -0.000+/-0.000 χ^2/NDF:50.2/32

All: -0.000+/-0.000 χ^2/NDF: 81.8/60



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:5375695.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:4753191.8/11

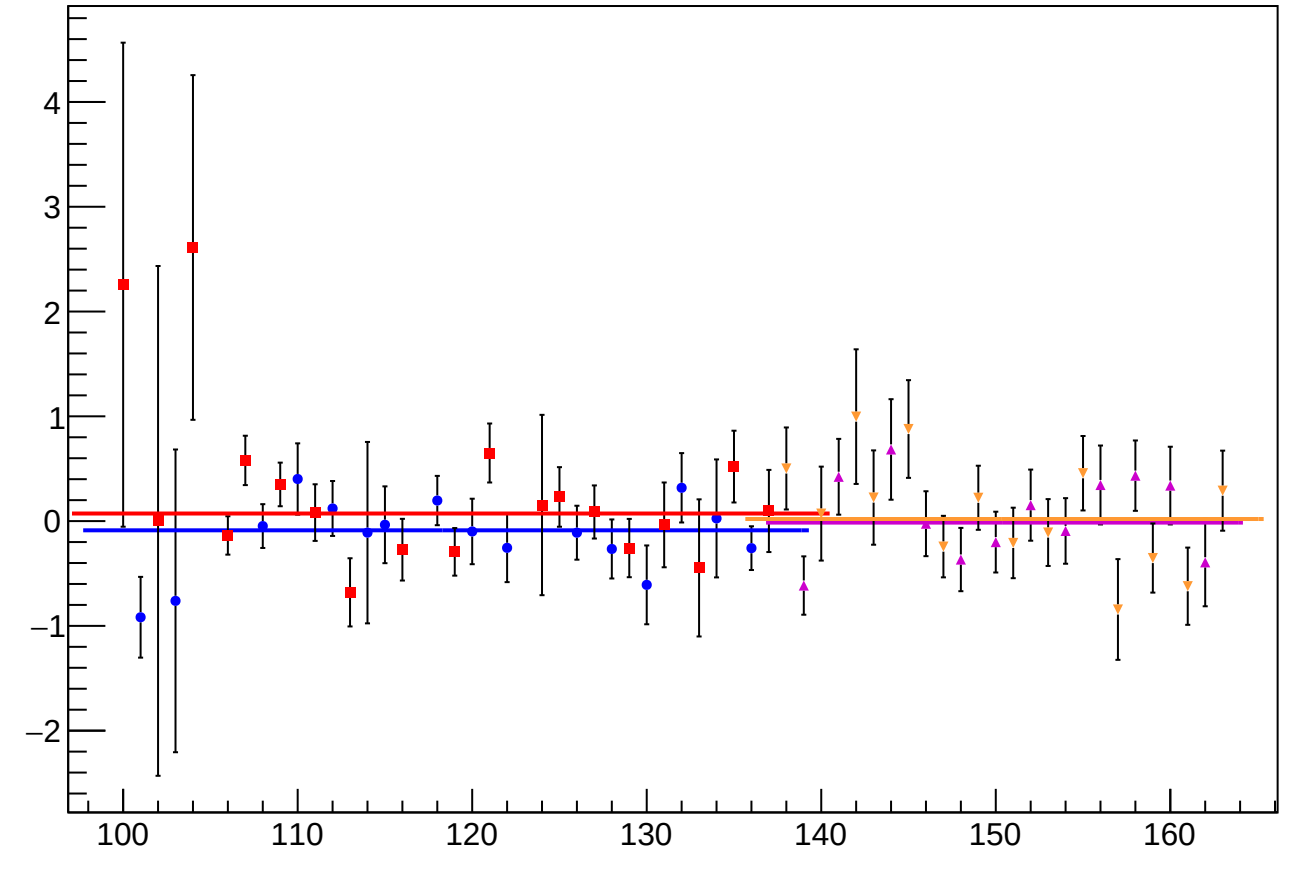
Left: 0.006+/-0.000 χ^2/NDF: 10142860.7/25

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:10826060.7/27

Out: 0.006+/-0.000 χ^2/NDF:11096377.2/32

All: 0.006+/-0.000 χ^2/NDF: 21938769.9/60



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.014+/-0.097 χ^2/NDF:14.7/11

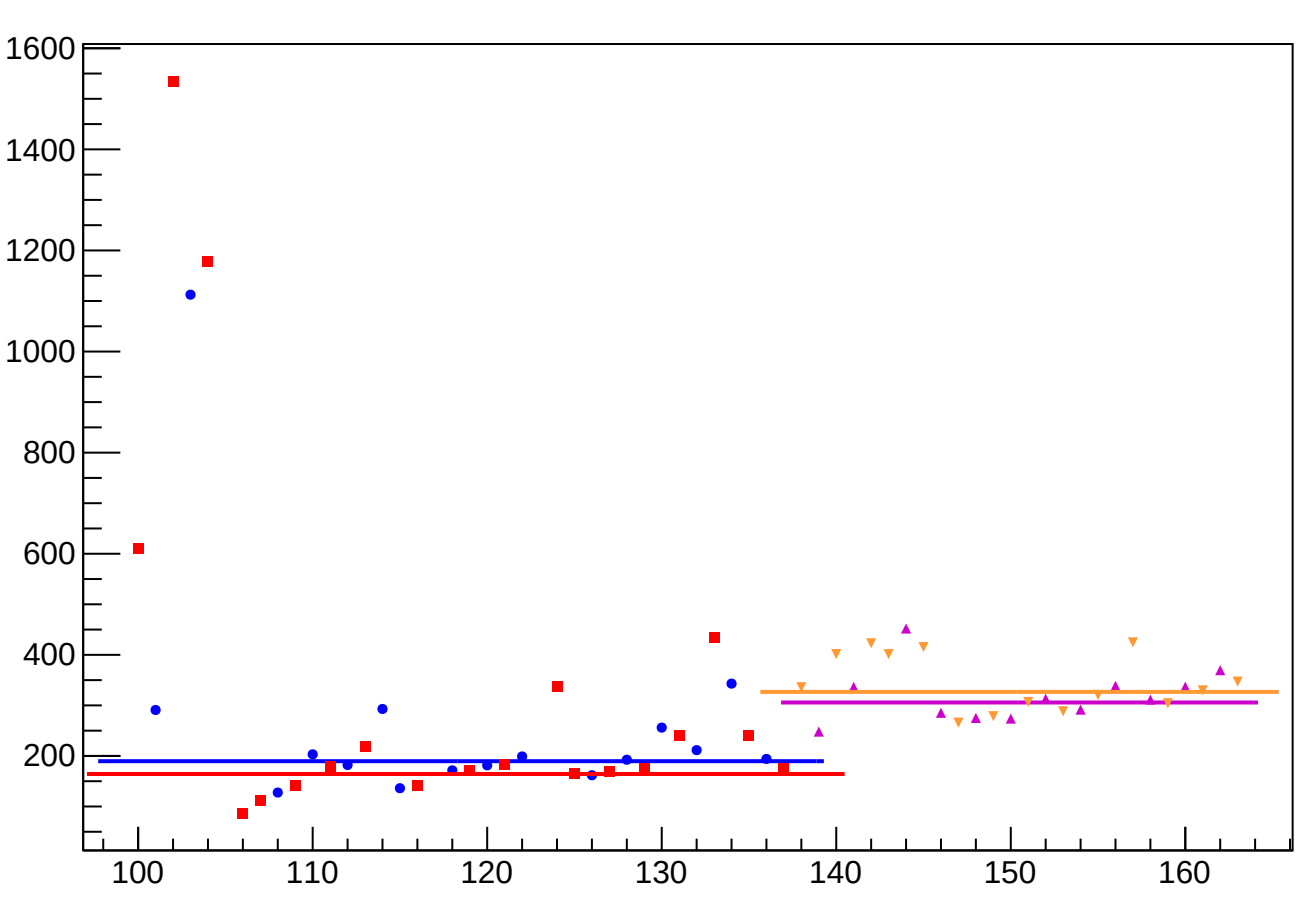
Left: 0.002+/-0.070 χ^2/NDF: 33.6/25

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.060+/-0.060 χ^2/NDF:28.9/27

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.001+/-0.042 χ^2/NDF: 78.5/60



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 326.702+/-0.071 χ^2/NDF:499009.9/13

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 305.753+/-0.069 χ^2/NDF:420751.1/11

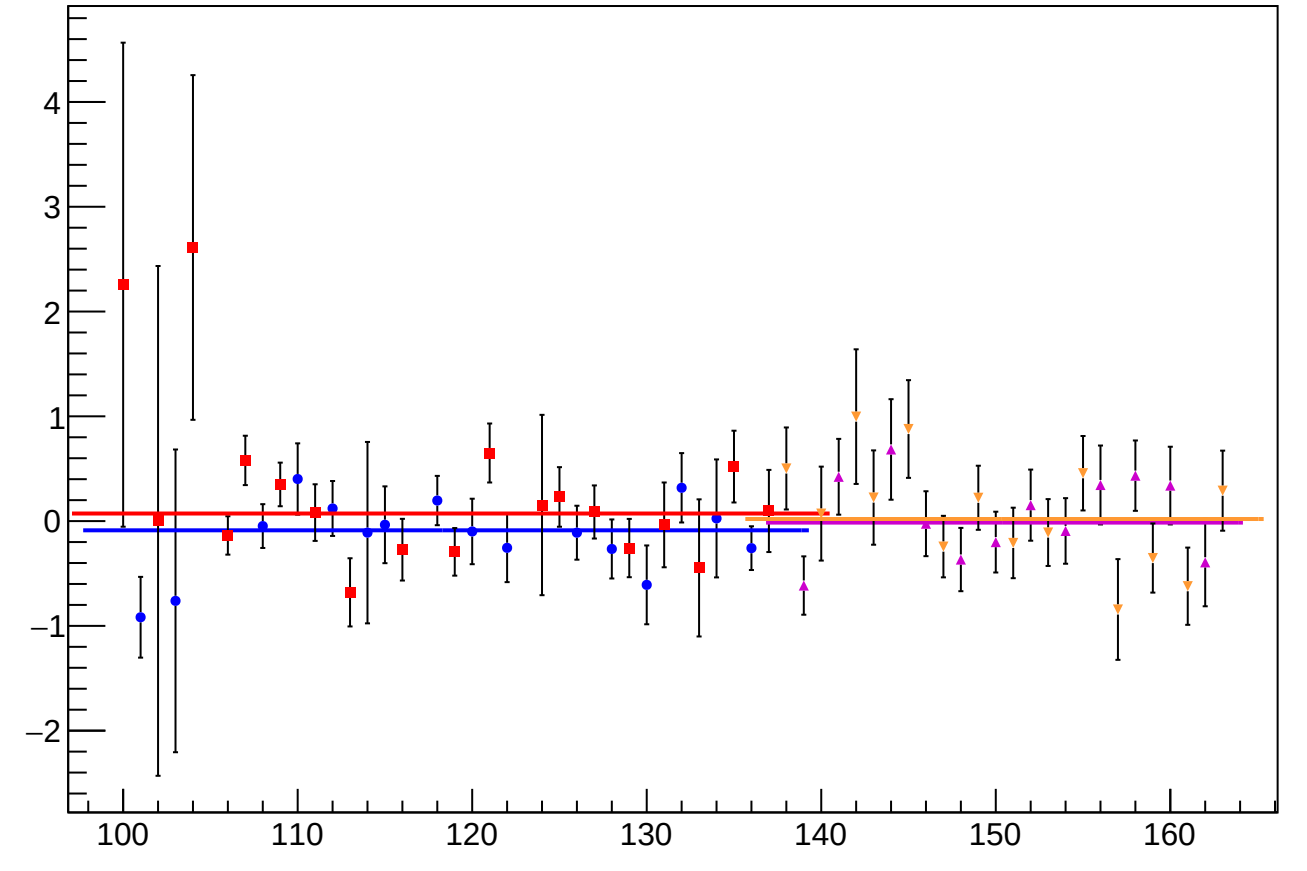
Left: 315.930+/-0.049 χ^2/NDF: 964920.9/25

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 234.255+/-0.043 χ^2/NDF:3644937.9/27

Out: 217.734+/-0.041 χ^2/NDF:6684262.0/32

All: 225.589+/-0.029 χ^2/NDF: 10408122.3/60



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.020+/-0.100 χ^2/NDF:18.9/13

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.014+/-0.097 χ^2/NDF:14.7/11

Left: 0.002+/-0.070 χ^2/NDF: 33.6/25

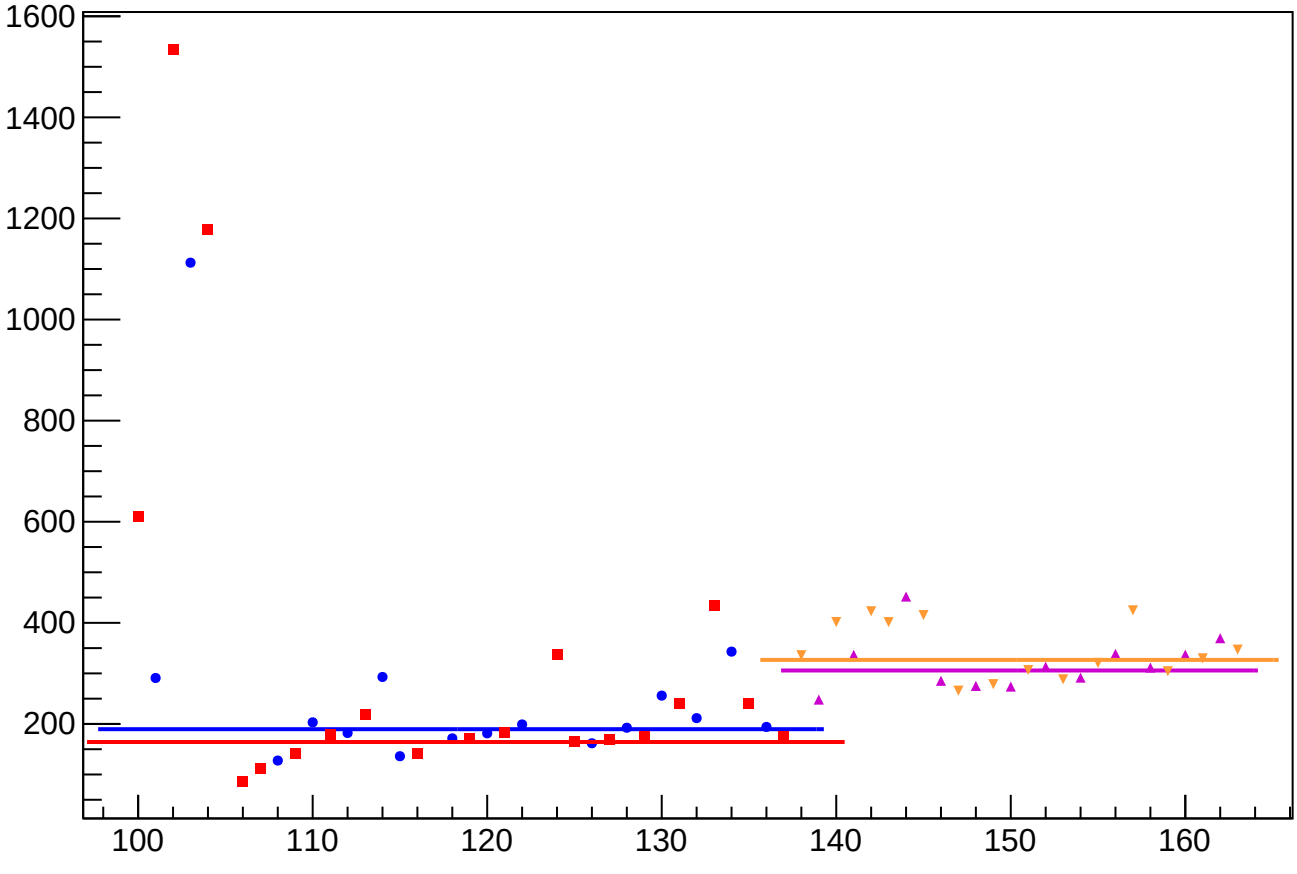
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.060+/-0.060 χ^2/NDF:28.9/27

Out: 0.055+/-0.057 χ^2/NDF:47.7/32

All: 0.001+/-0.042 χ^2/NDF: 78.5/60

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: 326.702+/-0.071 χ^2/NDF:499009.9/13

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 305.753+/-0.069 χ^2/NDF:420751.1/11

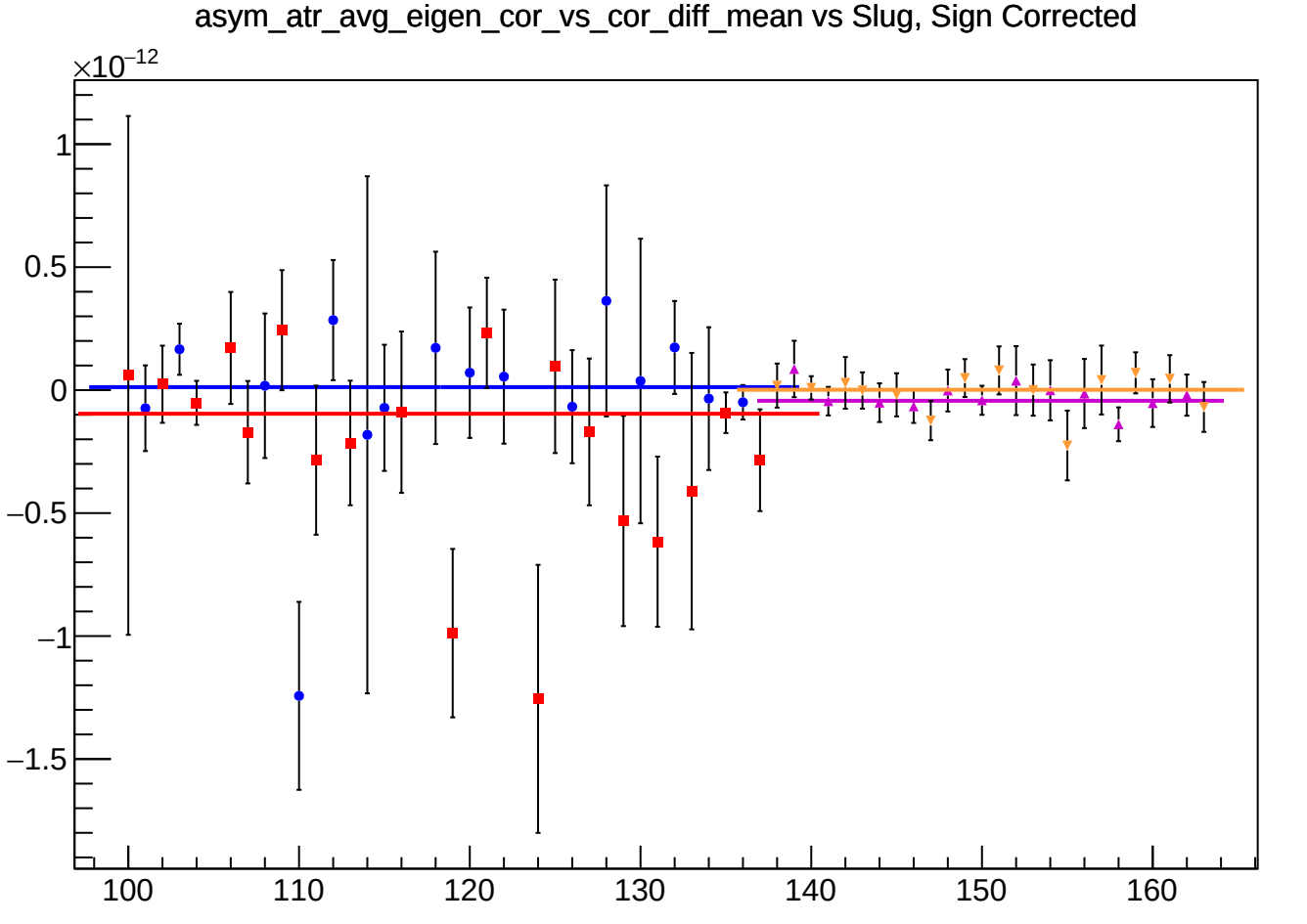
Left: 315.930+/-0.049 χ^2/NDF: 964920.9/25

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 234.255+/-0.043 χ^2/NDF:3644937.9/27

Out: 217.734+/-0.041 χ^2/NDF:6684262.0/32

All: 225.589+/-0.029 χ^2/NDF: 10408122.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/11

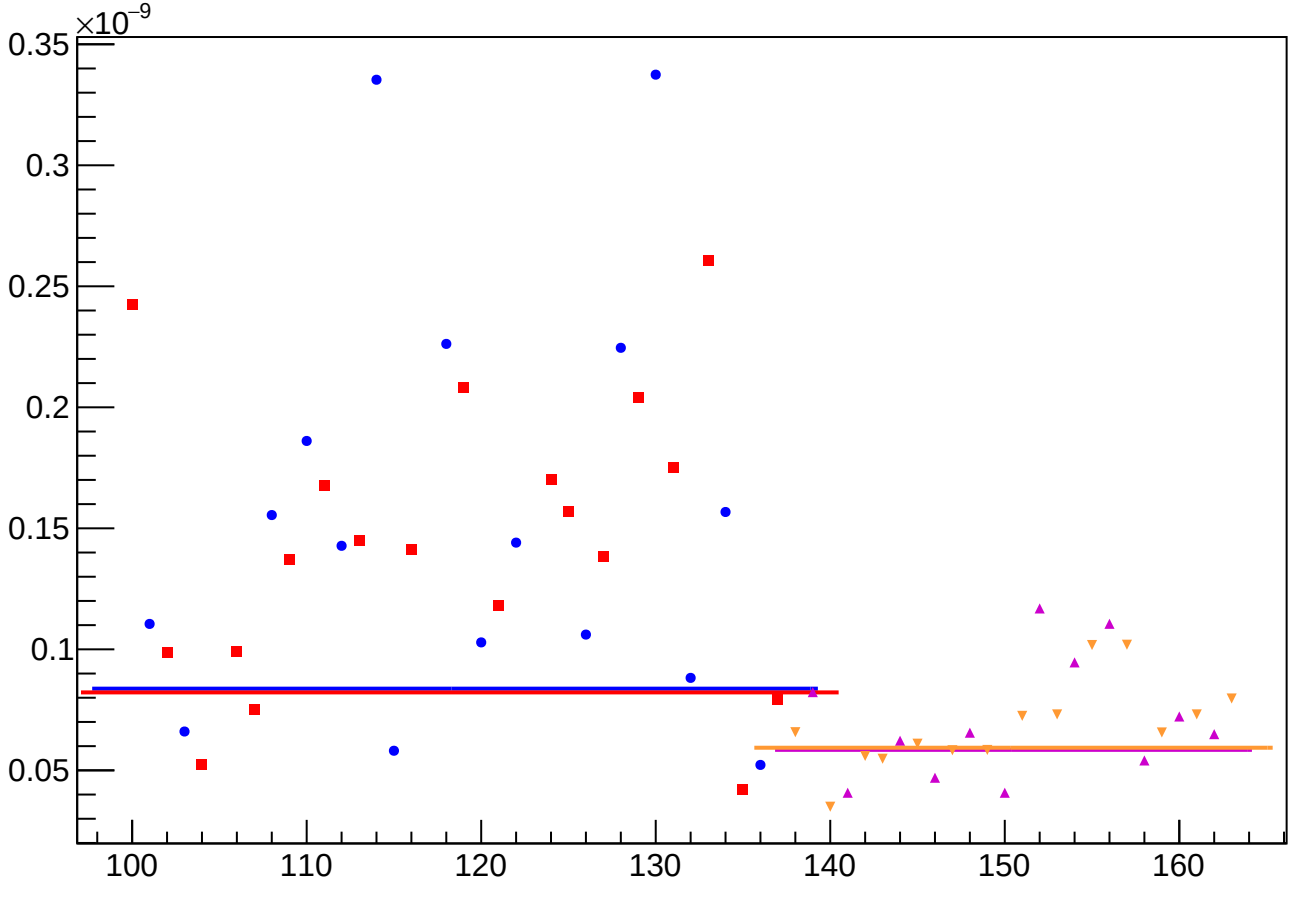
Left: -0.000+/-0.000 χ^2/NDF: 13.7/25

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:22.4/27

Out: -0.000+/-0.000 χ^2/NDF:34.6/32

All: -0.000+/-0.000 χ^2/NDF: 57.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1118205.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1386665.1/11

Left: 0.000+/-0.000 χ^2/NDF: 2506309.3/25

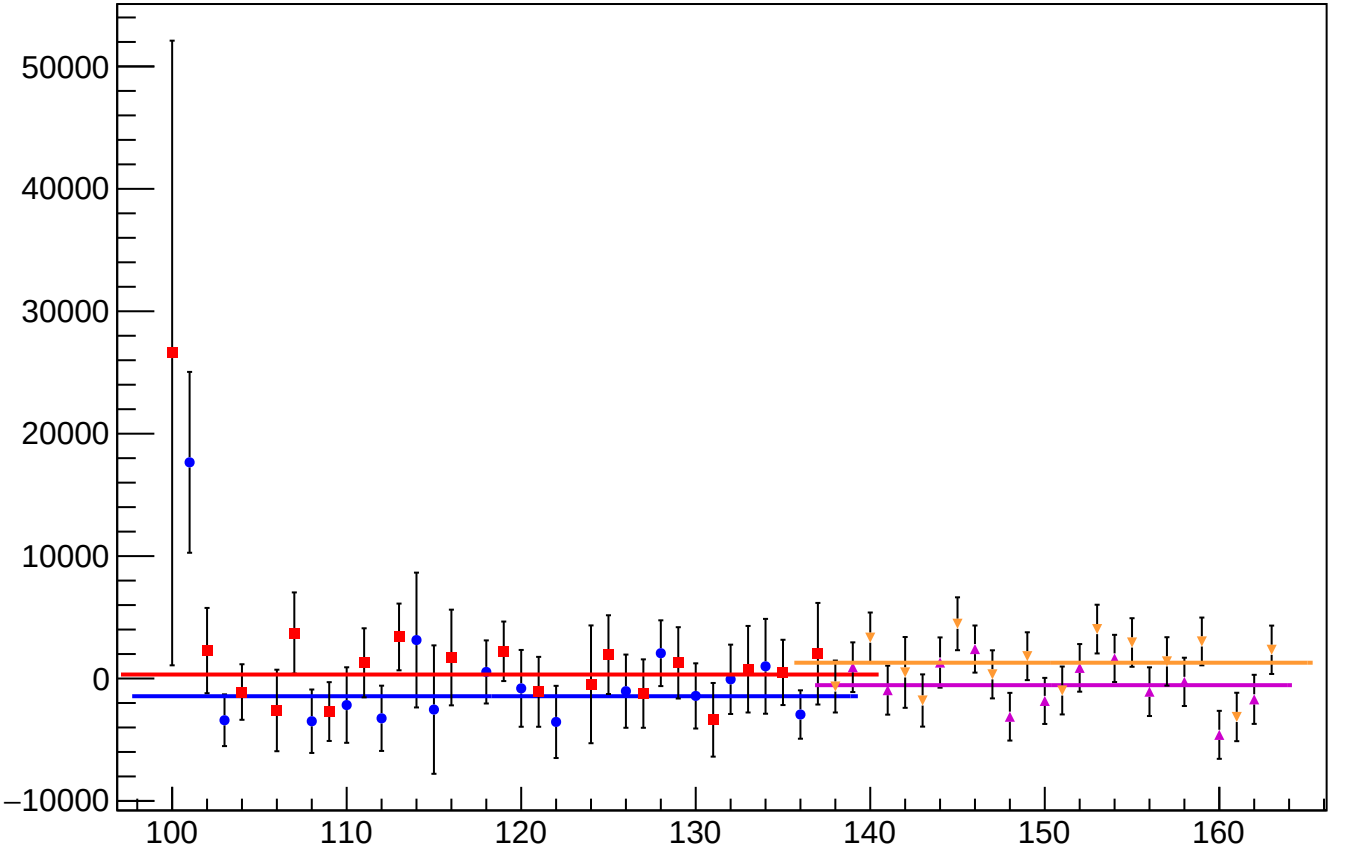
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:3981874.3/27

Out: 0.000+/-0.000 χ^2/NDF:3805426.0/32

All: 0.000+/-0.000 χ^2/NDF: 7787423.4/60

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.101+/-547.810 χ^2/NDF:16.5/13

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -543.417+/-568.162 χ^2/NDF:12.5/11

Left: 406.768+/-394.359 χ^2/NDF: 34.4/25

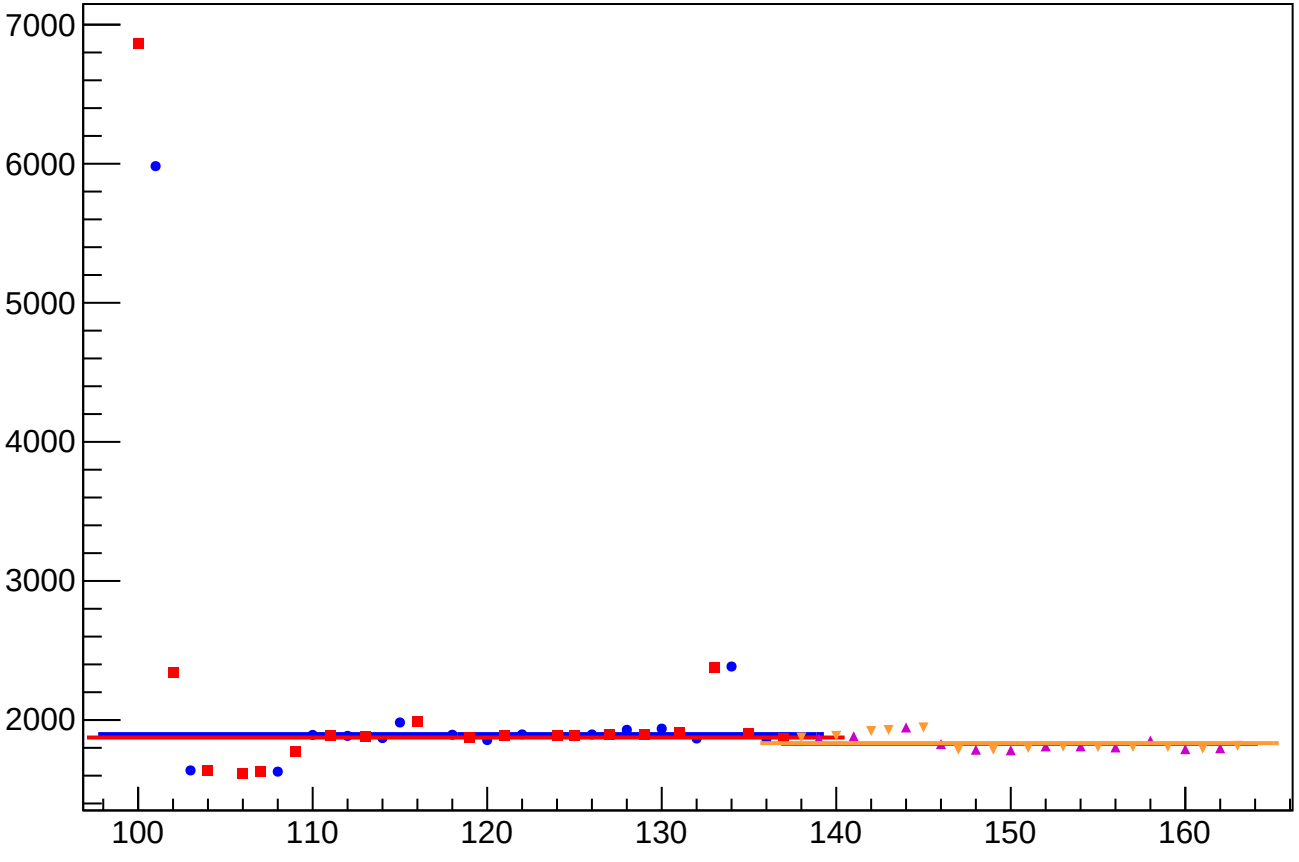
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -888.130+/-446.762 χ^2/NDF:26.9/27

Out: 925.593+/-432.026 χ^2/NDF:27.6/32

All: 49.137+/-310.567 χ^2/NDF: 63.1/60

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1828.505+/-0.402 χ^2/NDF:13115.7/11

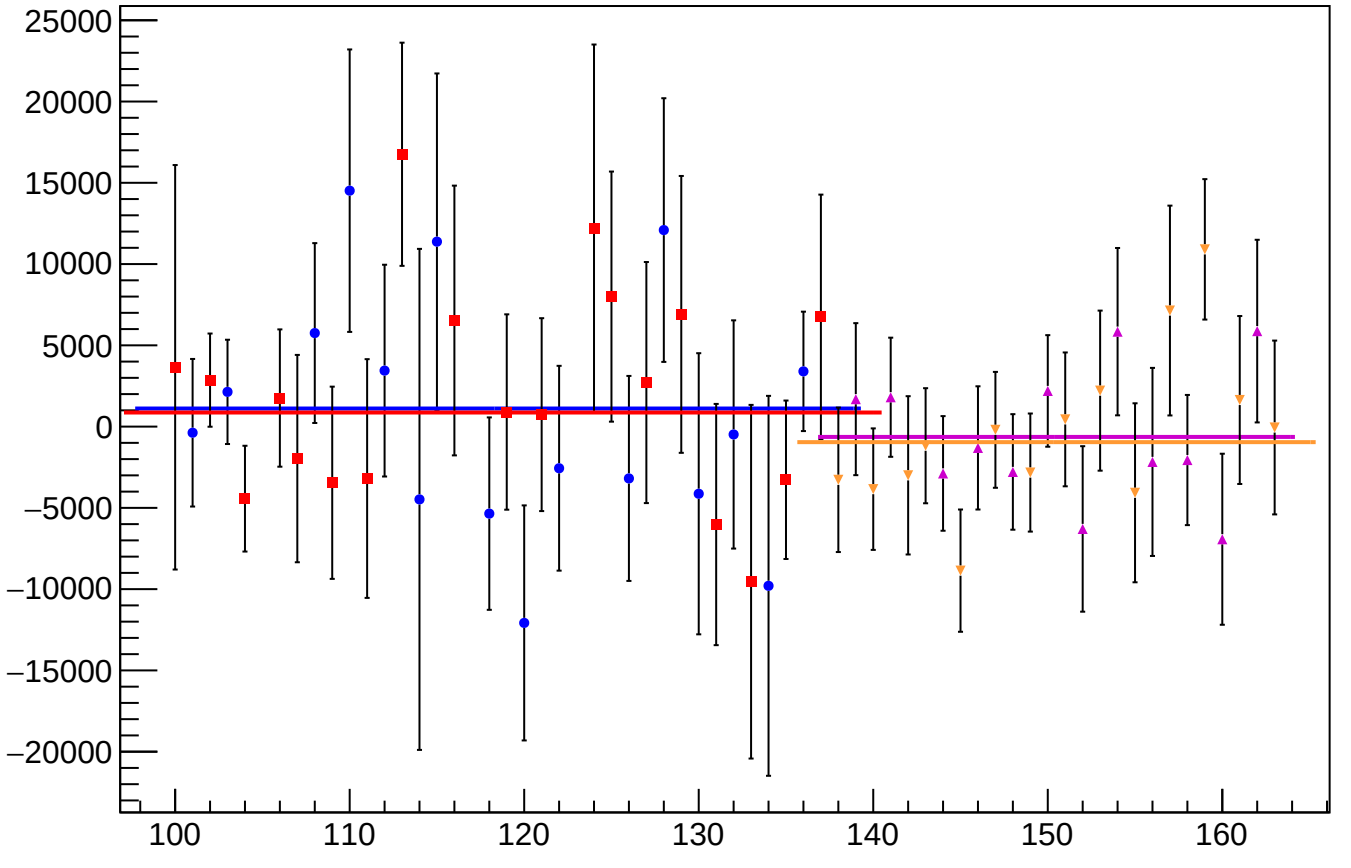
Left: 1831.283+/-0.279 χ^2/NDF: 31806.6/25

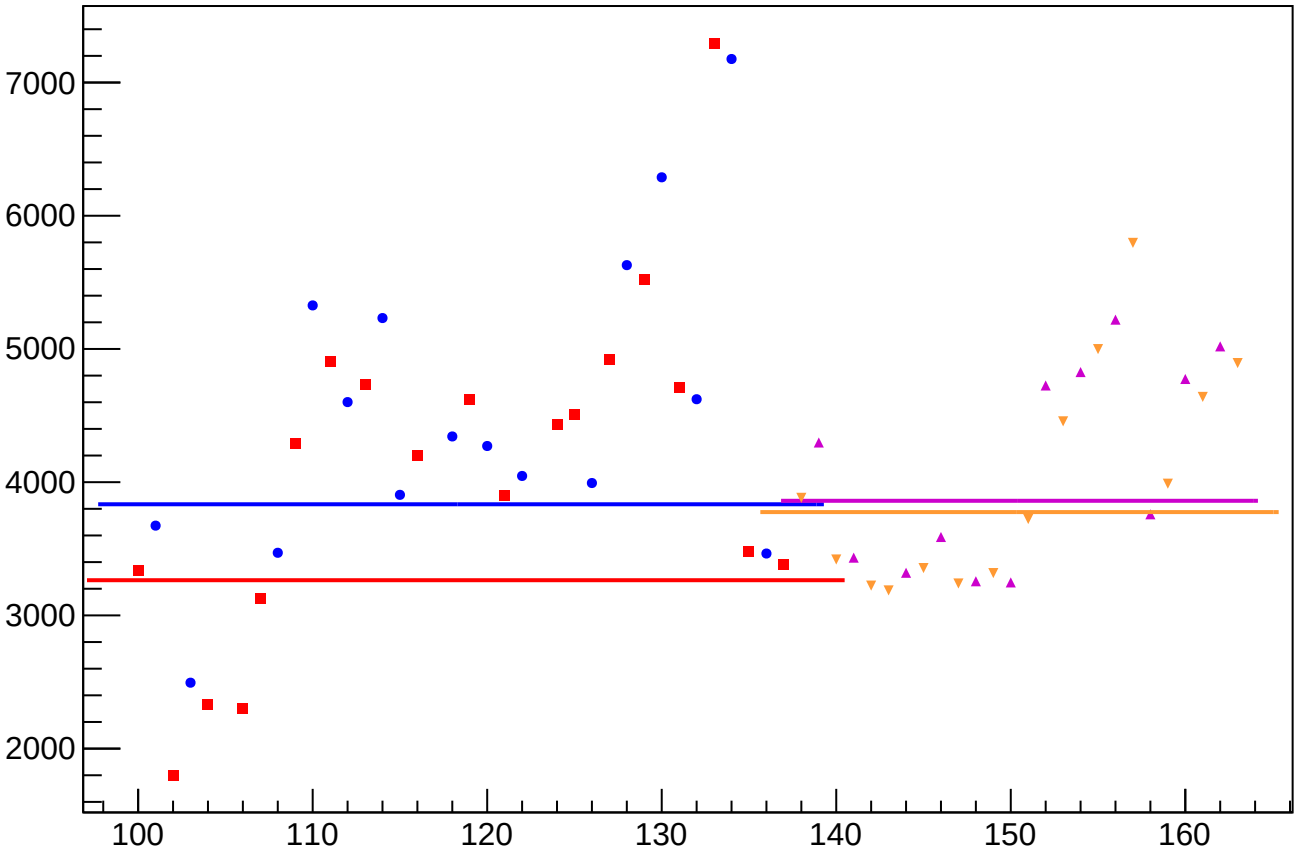
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1855.346+/-0.316 χ^2/NDF:722324.0/27

Out: 1849.198+/-0.305 χ^2/NDF:230382.8/32

All: 1852.165+/-0.219 χ^2/NDF: 952902.7/60


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -956.020+/-1152.756 χ²/NDF:16.0/13
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -634.539+/-1221.158 χ²/NDF:8.0/11
Left: -804.535+/-838.260 χ²/NDF: 24.0/25
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 73.592+/-941.730 χ²/NDF:22.2/27
Out: -158.542+/-864.602 χ²/NDF:32.7/32
All: -52.369+/-636.890 χ²/NDF: 54.9/60



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3775.489+/-0.815 χ^2/NDF:683818.6/13

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3860.280+/-0.863 χ^2/NDF:608901.8/11

Left: 3815.444+/-0.593 χ^2/NDF: 1297819.2/25

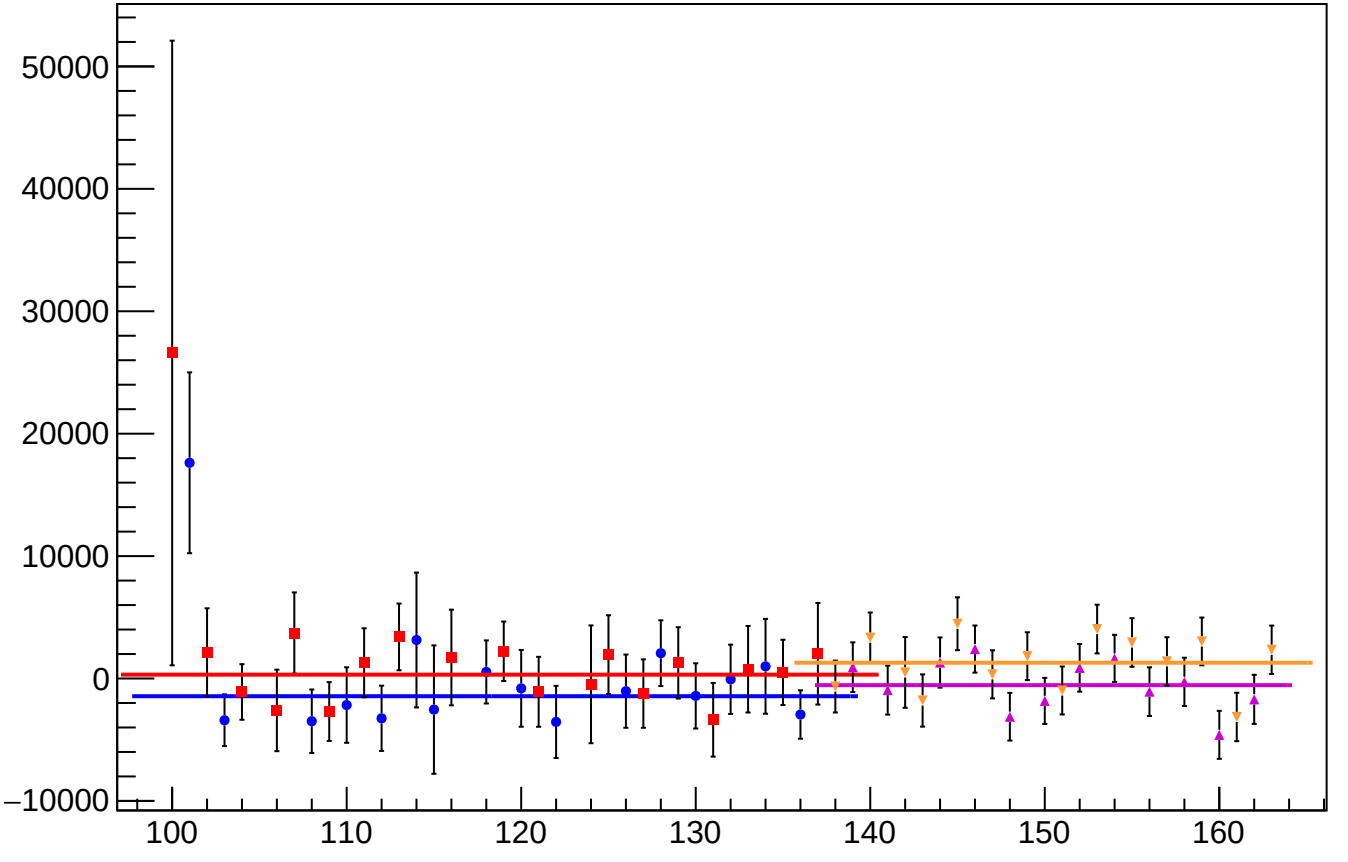
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3849.696+/-0.666 χ^2/NDF:1566048.2/27

Out: 3551.784+/-0.611 χ^2/NDF:2720236.6/32

All: 3688.043+/-0.450 χ^2/NDF: 4394889.4/60

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -543.383+/-568.162 χ^2/NDF:12.5/11

Left: 406.865+/-394.359 χ^2/NDF: 34.4/25

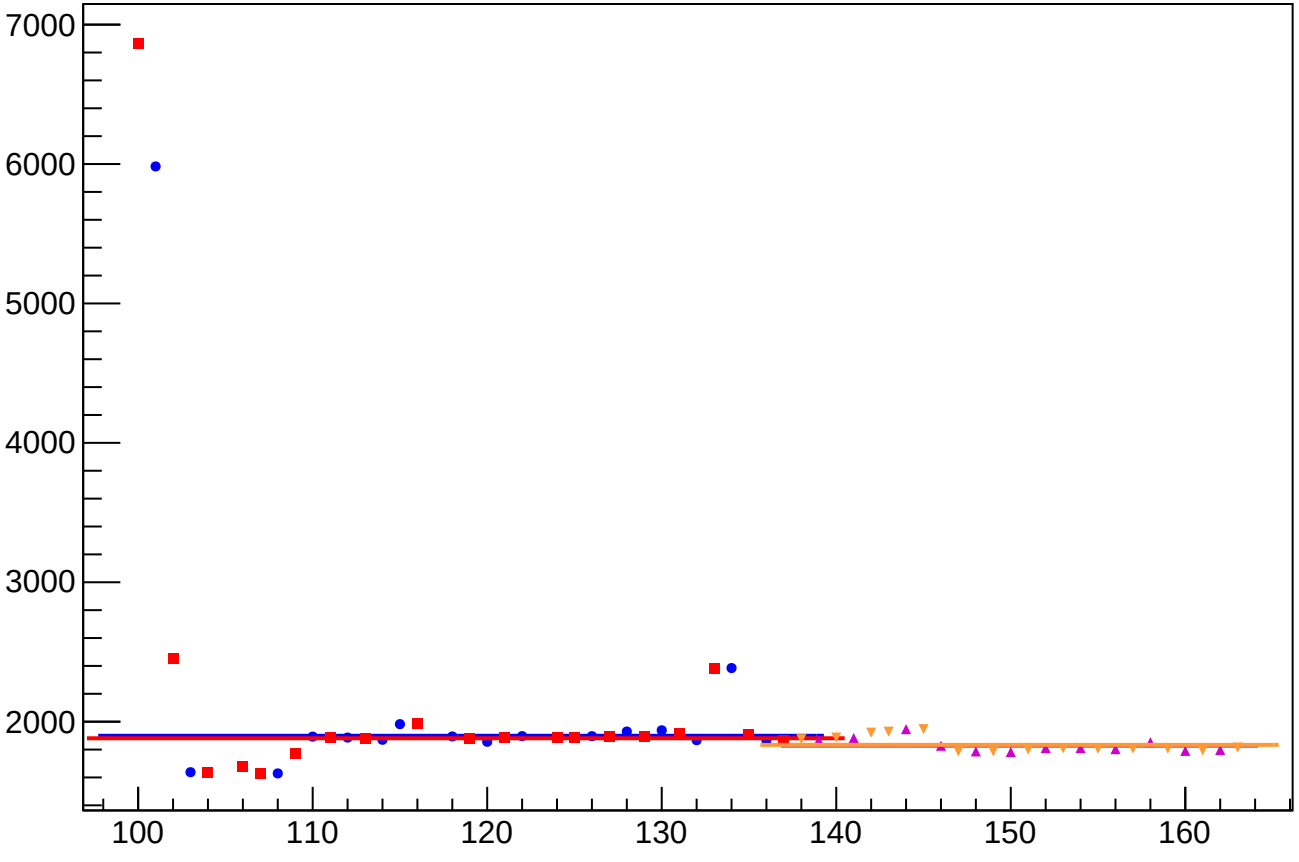
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -888.256+/-446.762 χ^2/NDF:26.9/27

Out: 922.357+/-432.246 χ^2/NDF:27.6/32

All: 46.944+/-310.649 χ^2/NDF: 63.0/60

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.505+/-0.402 χ^2/NDF:13115.7/11

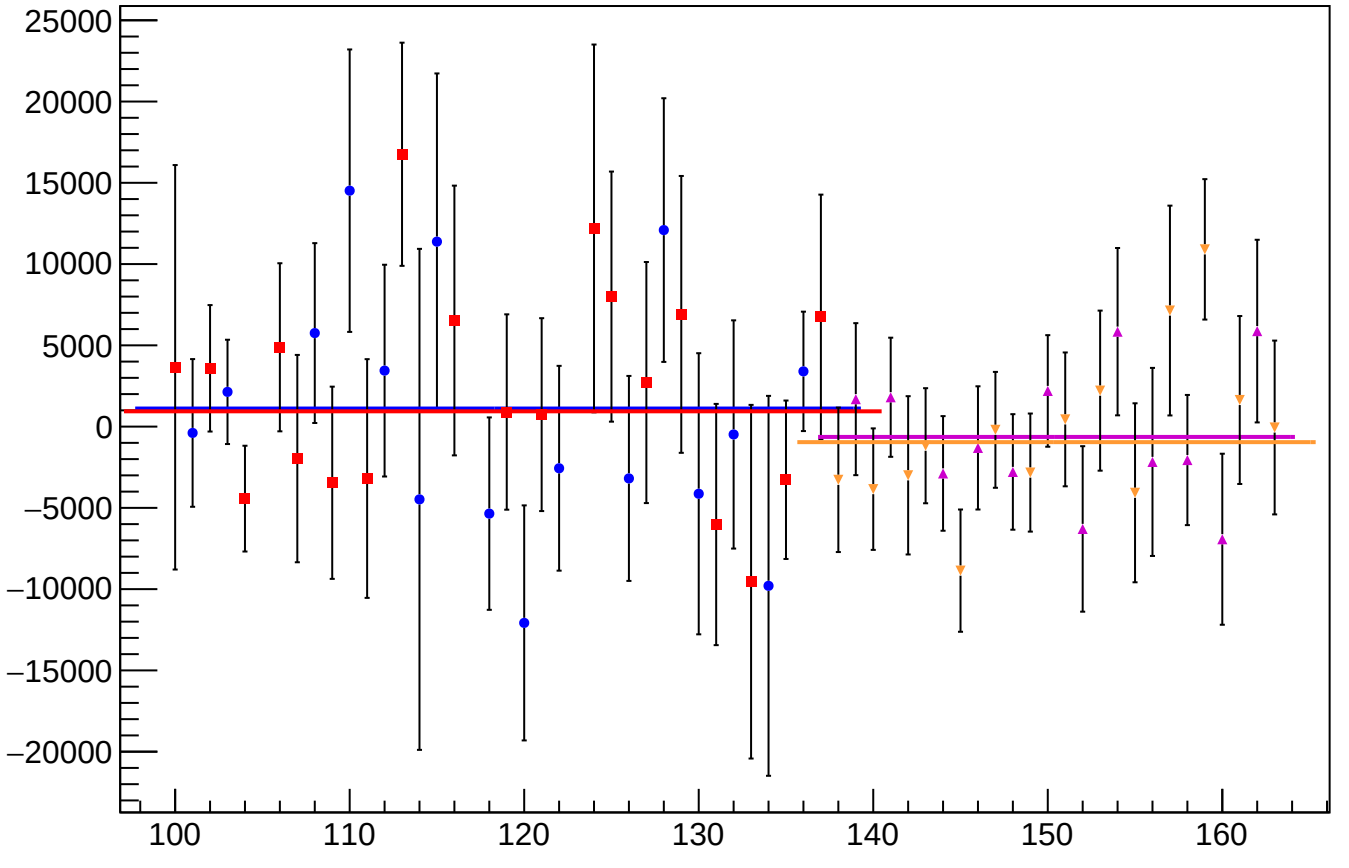
Left: 1831.283+/-0.279 χ^2/NDF: 31806.6/25

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1855.346+/-0.316 χ^2/NDF:722324.1/27

Out: 1851.692+/-0.305 χ^2/NDF:240763.2/32

All: 1853.457+/-0.220 χ^2/NDF: 963156.5/60



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -955.963+/-1152.755 χ^2/NDF:16.0/13

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -634.618+/-1221.156 χ^2/NDF:8.0/11

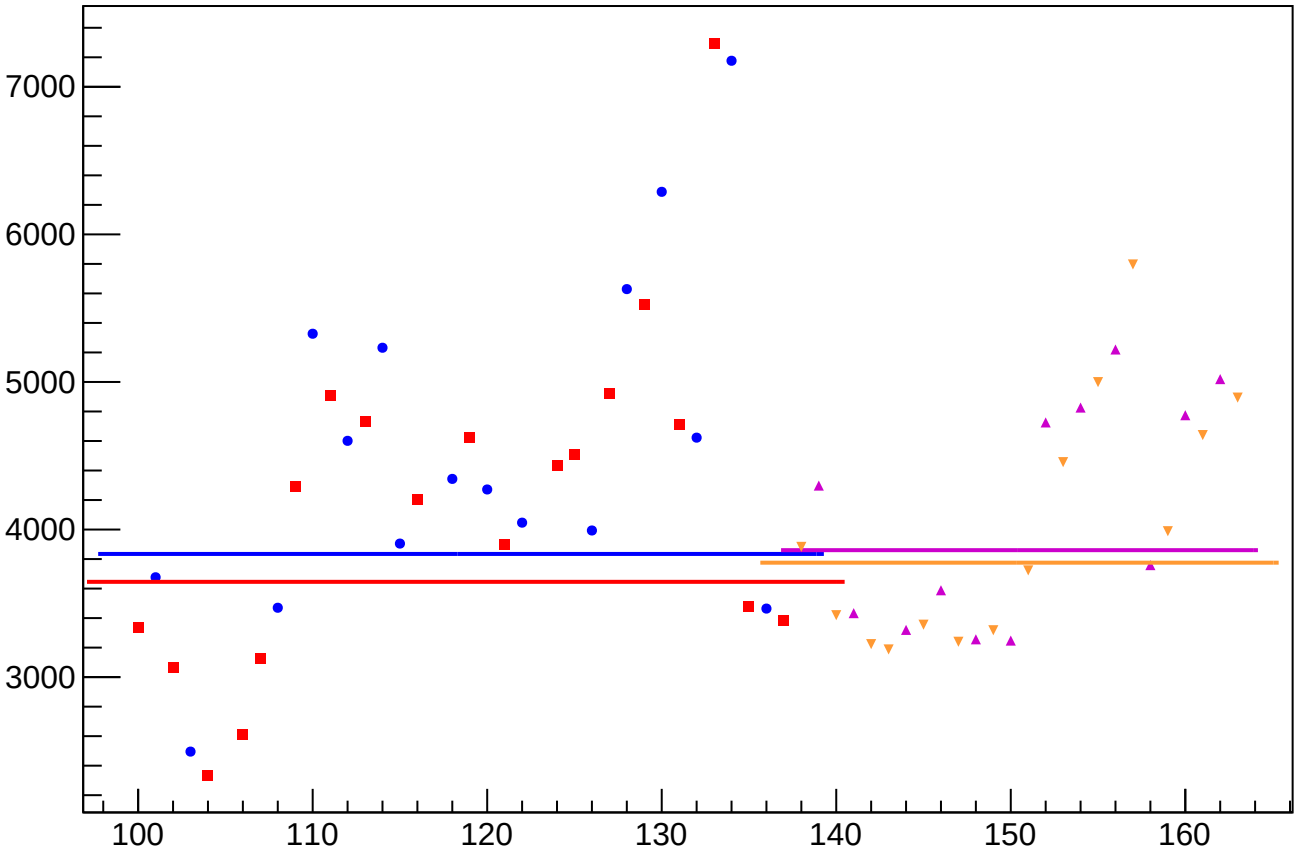
Left: -804.542+/-838.260 χ^2/NDF: 24.0/25

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 72.971+/-941.774 χ^2/NDF:22.2/27

Out: -188.962+/-889.645 χ^2/NDF:33.3/32

All: -65.445+/-646.718 χ^2/NDF: 55.5/60



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3775.486+/-0.815 χ^2/NDF:683813.1/13

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3860.274+/-0.863 χ^2/NDF:608913.9/11

Left: 3815.439+/-0.593 χ^2/NDF: 1297825.5/25

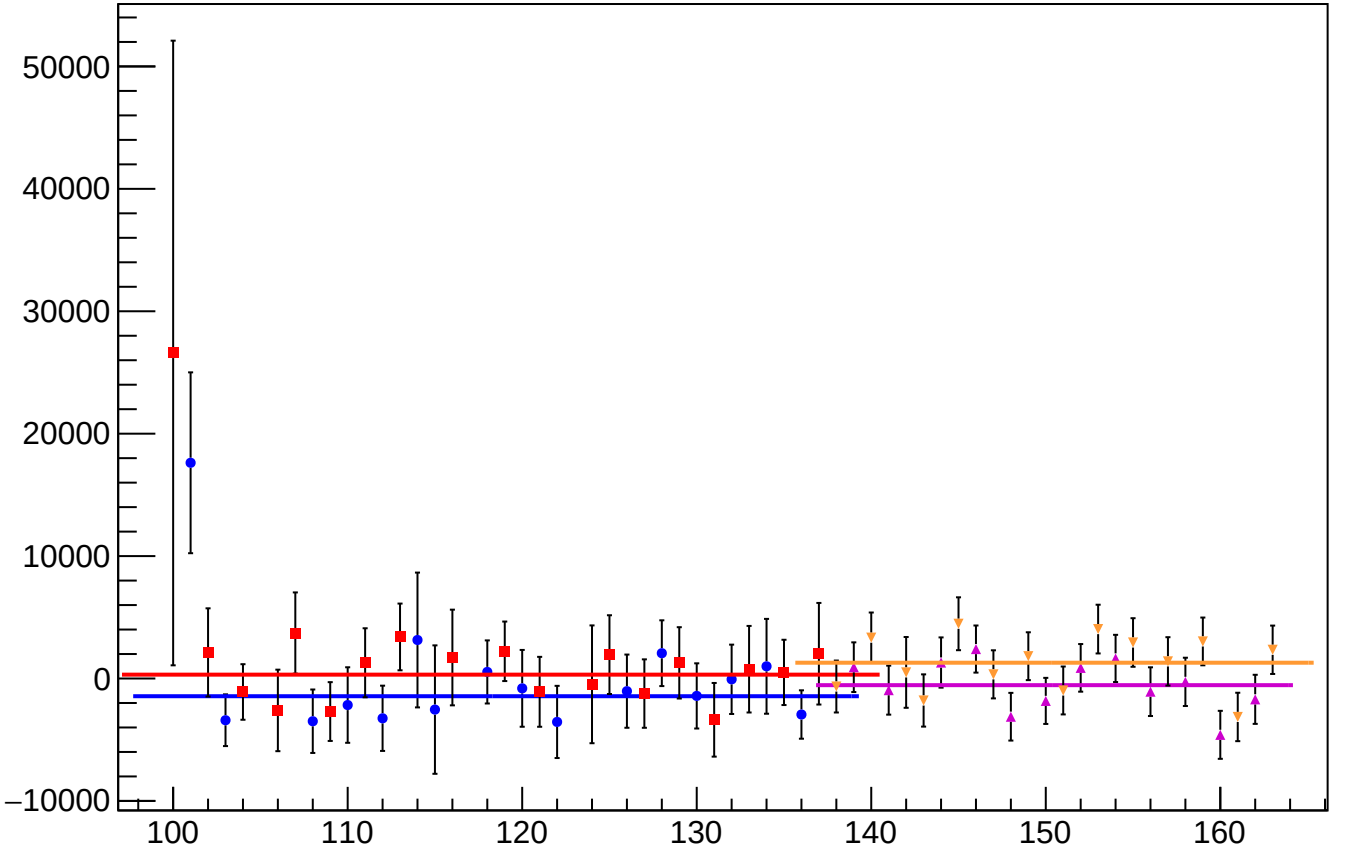
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3849.907+/-0.666 χ^2/NDF:1565581.8/27

Out: 3722.997+/-0.629 χ^2/NDF:1819048.3/32

All: 3782.843+/-0.457 χ^2/NDF: 3403822.3/60

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1290.255+/-547.810 χ^2/NDF:16.5/13

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -543.383+/-568.162 χ^2/NDF:12.5/11

Left: 406.865+/-394.359 χ^2/NDF: 34.4/25

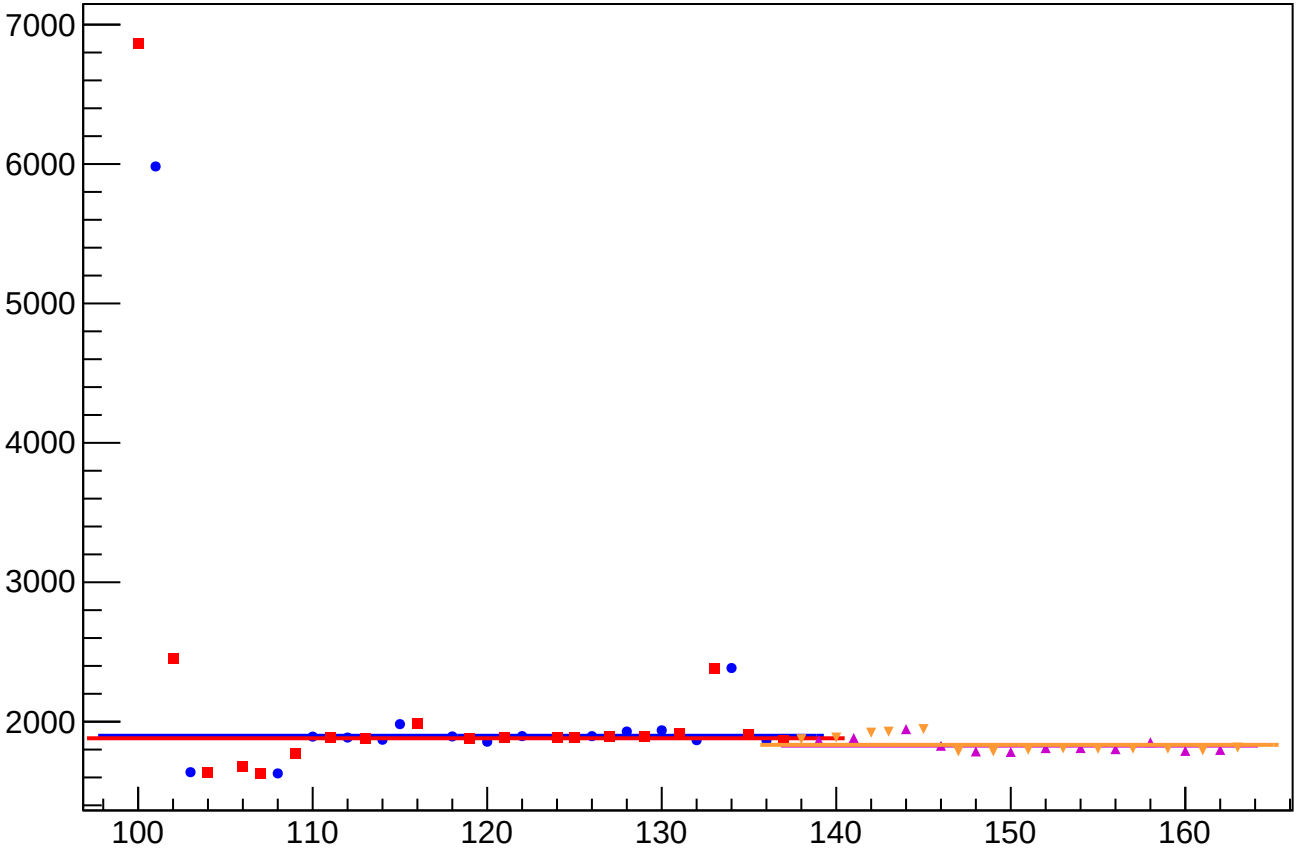
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -888.256+/-446.762 χ^2/NDF:26.9/27

Out: 922.357+/-432.246 χ^2/NDF:27.6/32

All: 46.944+/-310.649 χ^2/NDF: 63.0/60

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1833.866+/-0.387 χ^2/NDF:18598.6/13

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1828.505+/-0.402 χ^2/NDF:13115.7/11

Left: 1831.283+/-0.279 χ^2/NDF: 31806.6/25

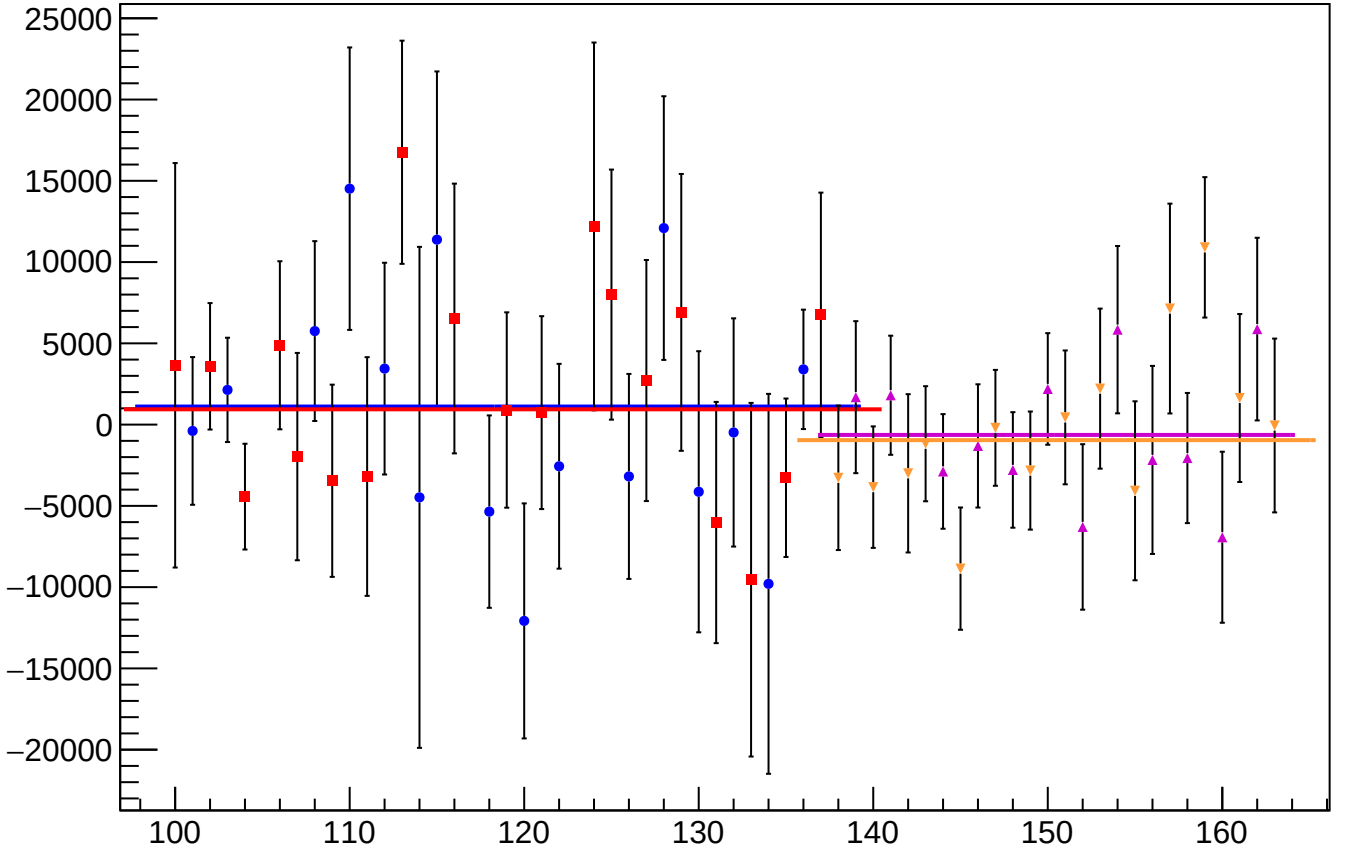
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1855.346+/-0.316 χ^2/NDF:722324.1/27

Out: 1851.692+/-0.305 χ^2/NDF:240763.2/32

All: 1853.457+/-0.220 χ^2/NDF: 963156.5/60

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -955.963+/-1152.755 χ^2/NDF:16.0/13

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -634.618+/-1221.156 χ^2/NDF:8.0/11

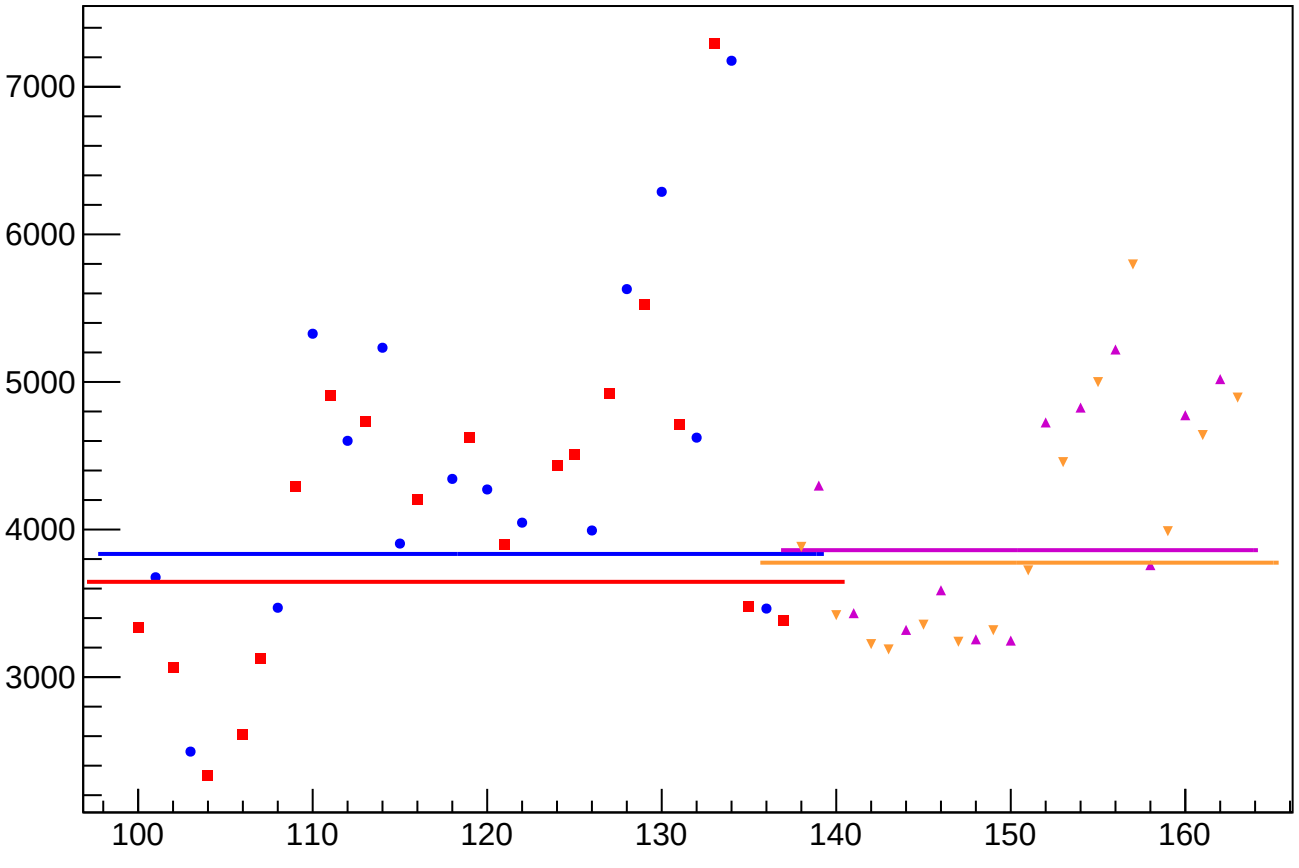
Left: -804.542+/-838.260 χ^2/NDF: 24.0/25

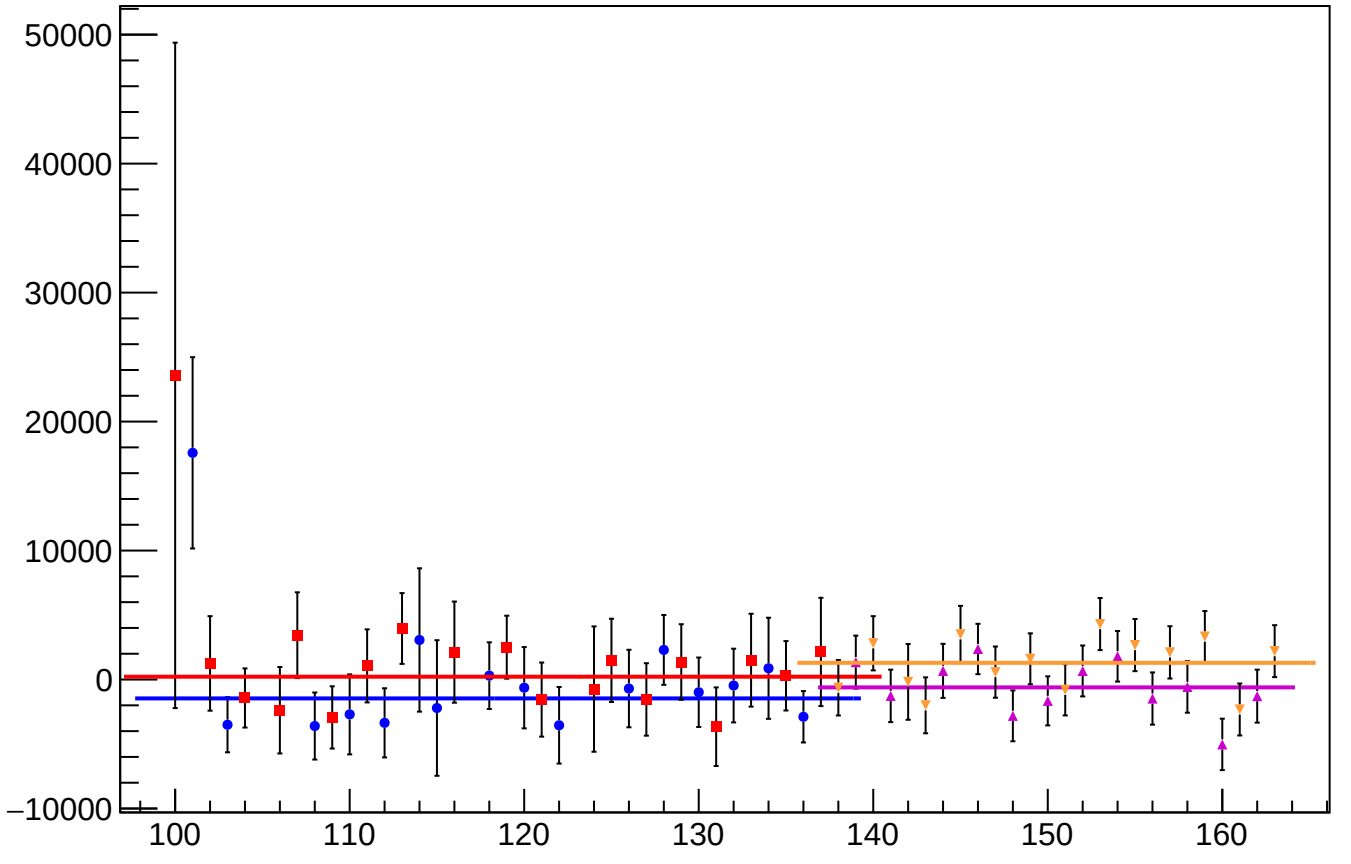
Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 72.971+/-941.774 χ^2/NDF:22.2/27

Out: -188.962+/-889.645 χ^2/NDF:33.3/32

All: -65.445+/-646.718 χ^2/NDF: 55.5/60


asym_atr_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 3834.690+/-1.046 χ²/NDF: 956312.2/15
Left Out: 3775.486+/-0.815 χ²/NDF:683813.1/13
Right Out: 3645.689+/-0.989 χ²/NDF: 1124981.4/18
Left In: 3860.274+/-0.863 χ²/NDF:608913.9/11
Left: 3815.439+/-0.593 χ²/NDF: 1297825.5/25
Right: 3734.912+/-0.719 χ²/NDF: 2098525.6/34
In: 3849.907+/-0.666 χ²/NDF:1565581.8/27
Out: 3722.997+/-0.629 χ²/NDF:1819048.3/32
All: 3782.843+/-0.457 χ²/NDF: 3403822.3/60



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.623+/-557.031 χ^2/NDF:13.5/13

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -607.752+/-577.084 χ^2/NDF:12.4/11

Left: 377.580+/-400.782 χ^2/NDF: 31.5/25

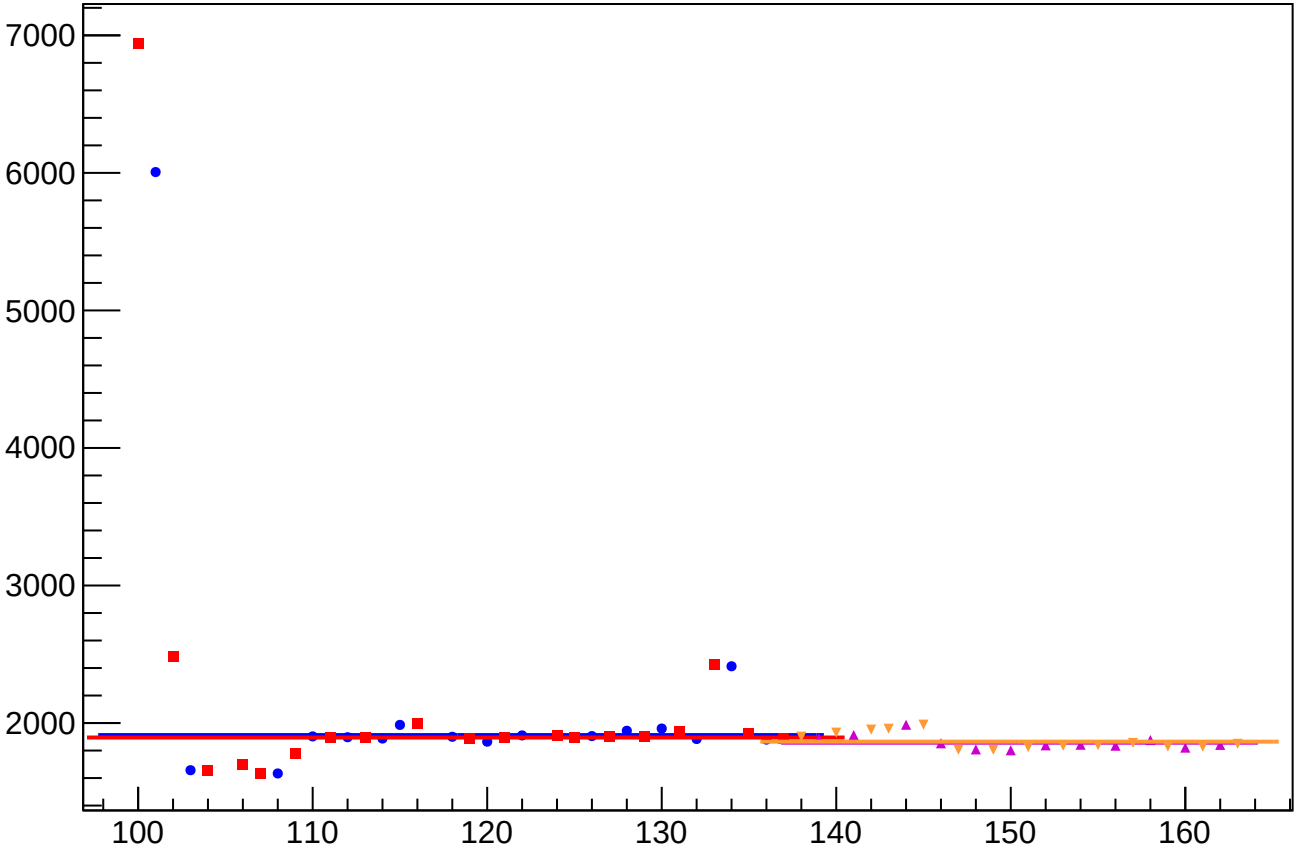
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -937.491+/-452.299 χ^2/NDF:26.8/27

Out: 884.880+/-437.981 χ^2/NDF:25.7/32

All: 2.996+/-314.639 χ^2/NDF: 60.9/60

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1864.604+/-0.394 χ^2/NDF:20906.1/13

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.144+/-0.408 χ^2/NDF:14150.4/11

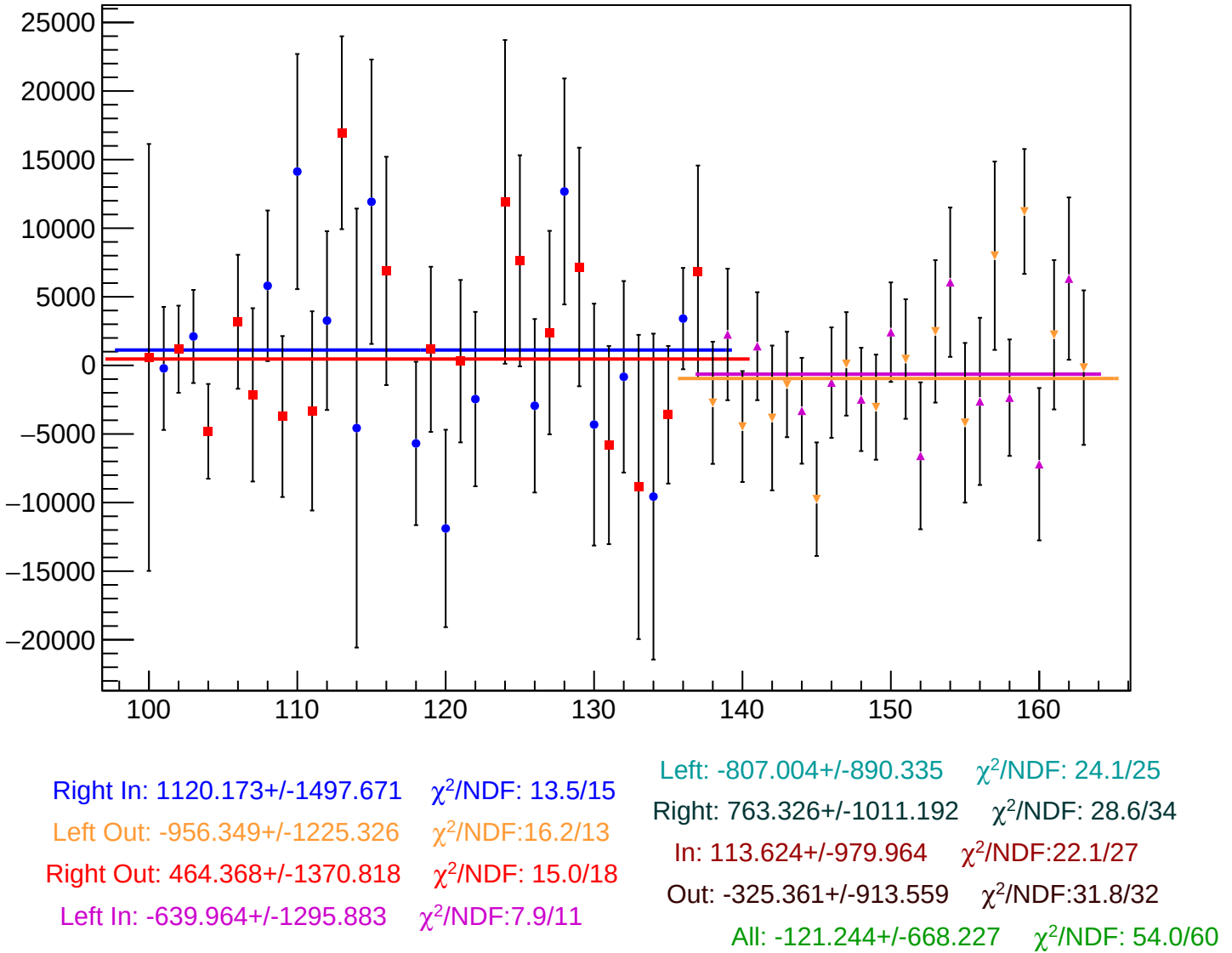
Left: 1861.006+/-0.283 χ^2/NDF: 35229.5/25

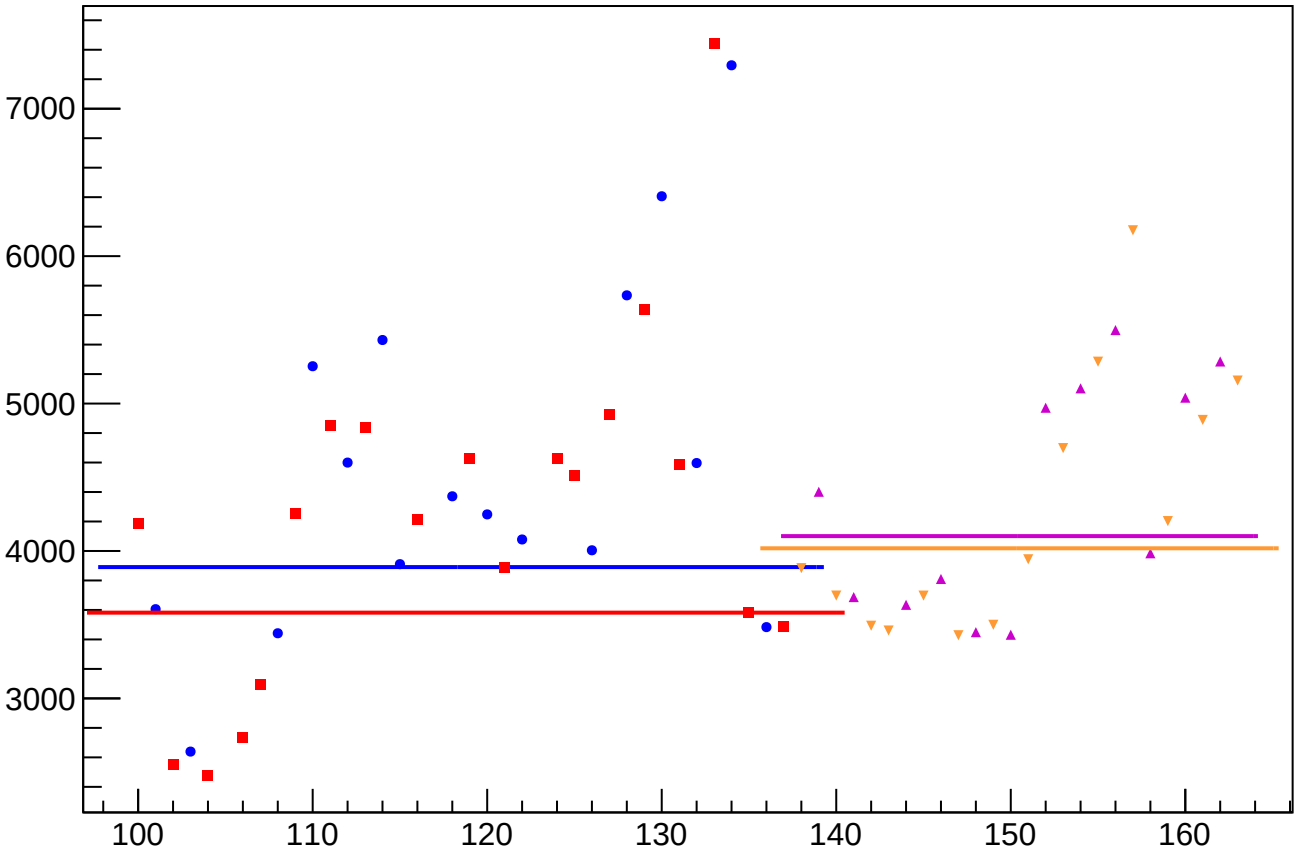
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1878.448+/-0.320 χ^2/NDF:717437.7/27

Out: 1876.134+/-0.310 χ^2/NDF:242929.0/32

All: 1877.253+/-0.222 χ^2/NDF: 960393.7/60


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -956.349+/-1225.326 χ²/NDF:16.2/13
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -639.964+/-1295.883 χ²/NDF:7.9/11
Left: -807.004+/-890.335 χ²/NDF: 24.1/25
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 113.624+/-979.964 χ²/NDF:22.1/27
Out: -325.361+/-913.559 χ²/NDF:31.8/32
All: -121.244+/-668.227 χ²/NDF: 54.0/60



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4018.195+/-0.866 χ^2/NDF:636764.6/13

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4100.868+/-0.916 χ^2/NDF:562218.3/11

Left: 4057.220+/-0.630 χ^2/NDF: 1203280.6/25

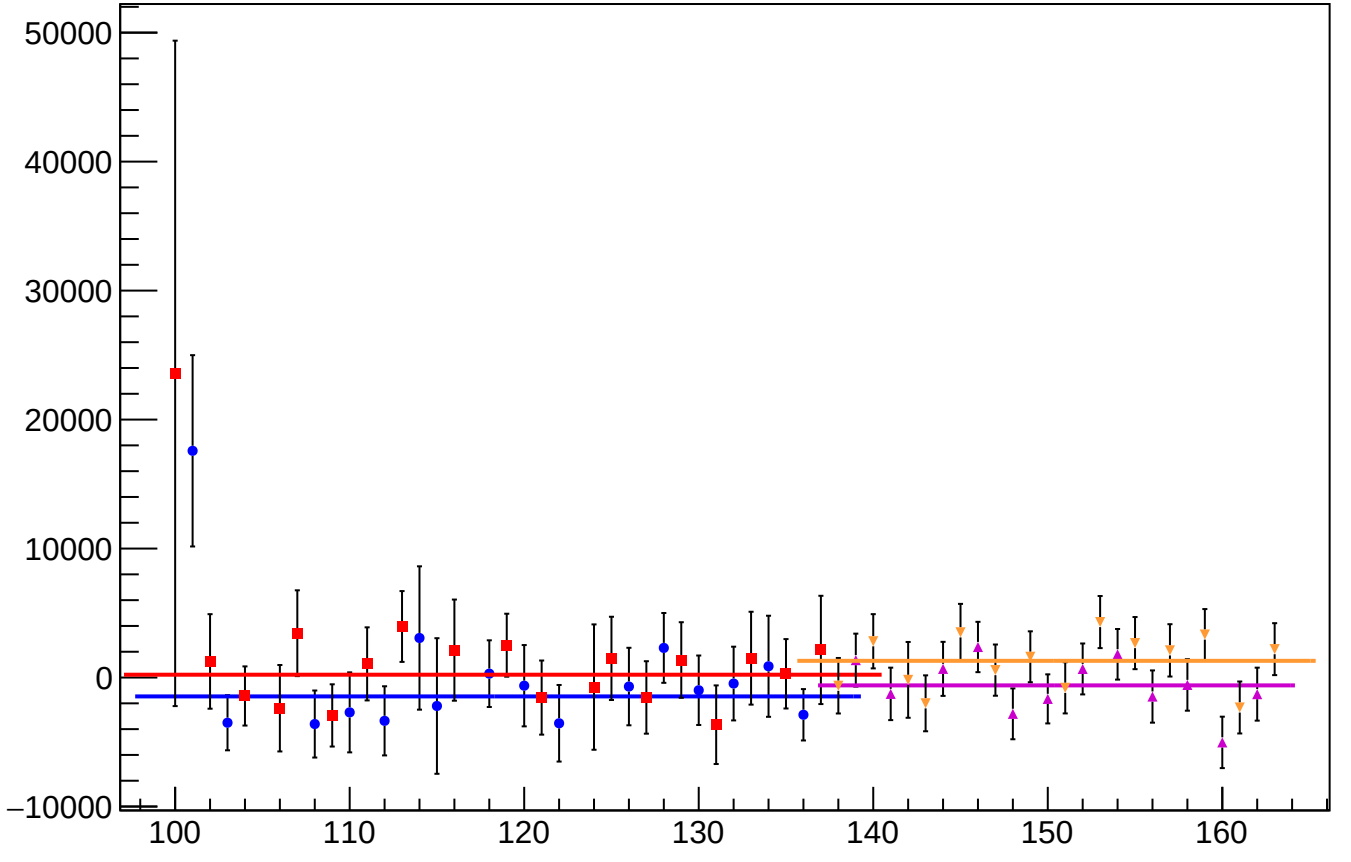
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4010.890+/-0.693 χ^2/NDF:1463157.5/27

Out: 3824.368+/-0.646 χ^2/NDF:1971297.7/32

All: 3911.096+/-0.473 χ^2/NDF: 3473220.5/60

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1295.634+/-557.031 χ^2/NDF:13.5/13

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -607.751+/-577.084 χ^2/NDF:12.4/11

Left: 377.585+/-400.782 χ^2/NDF: 31.5/25

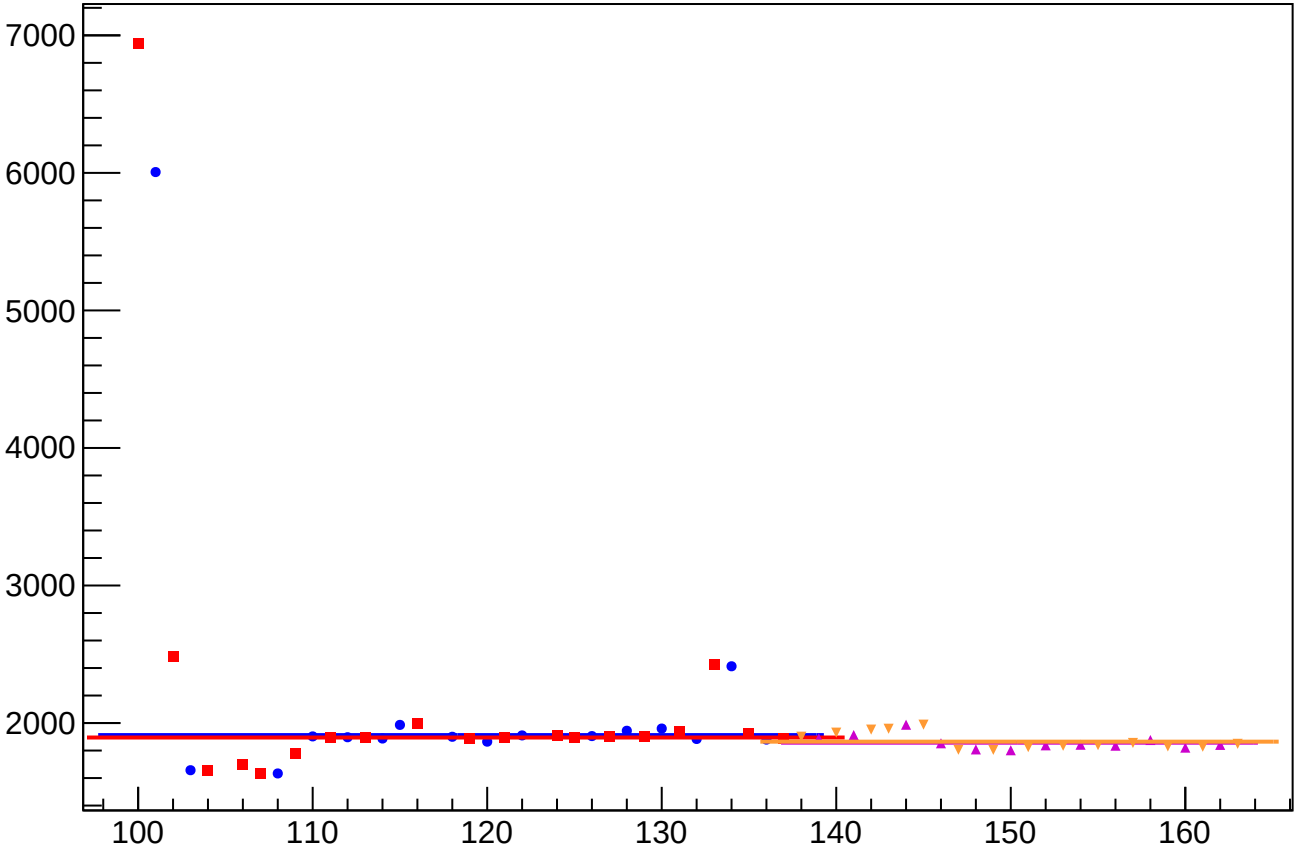
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -937.493+/-452.299 χ^2/NDF:26.8/27

Out: 884.885+/-437.981 χ^2/NDF:25.7/32

All: 2.997+/-314.639 χ^2/NDF: 60.9/60

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1864.605+/-0.394 χ^2/NDF:20906.0/13

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1857.145+/-0.408 χ^2/NDF:14150.3/11

Left: 1861.007+/-0.283 χ^2/NDF: 35229.4/25

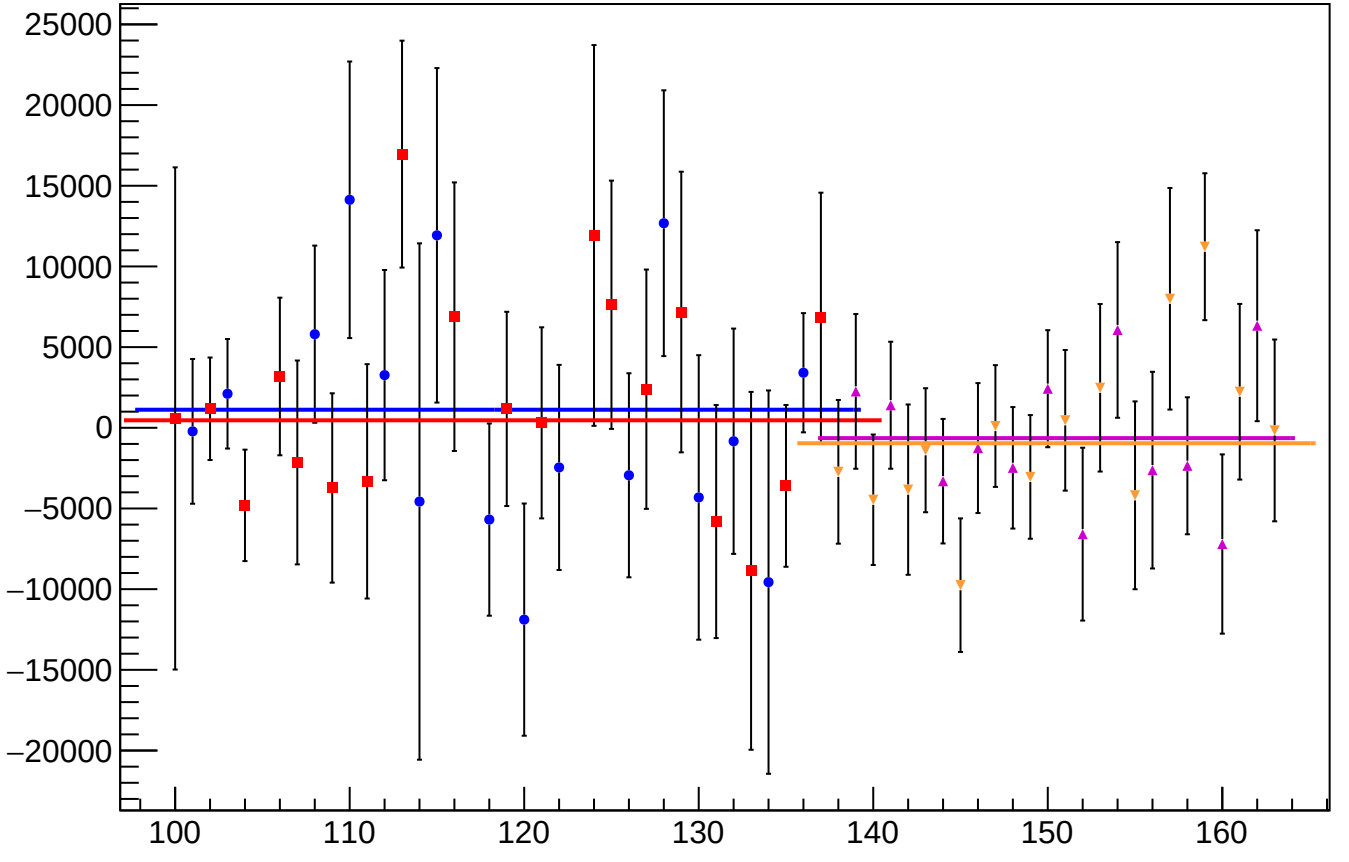
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1878.449+/-0.320 χ^2/NDF:717437.2/27

Out: 1876.134+/-0.310 χ^2/NDF:242928.8/32

All: 1877.254+/-0.222 χ^2/NDF: 960393.0/60

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -956.347+/-1225.328 χ^2/NDF:16.2/13

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -639.964+/-1295.885 χ^2/NDF:7.9/11

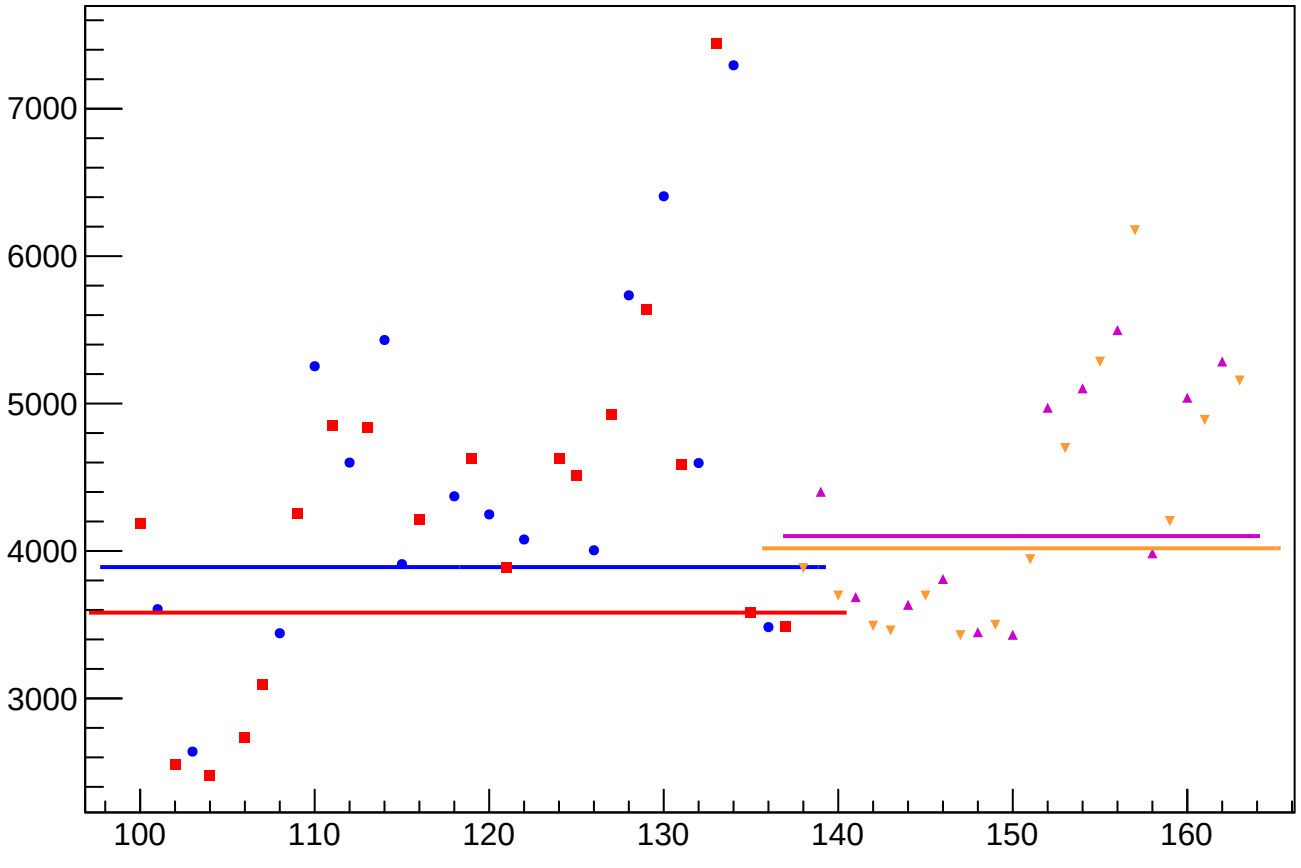
Left: -807.002+/-890.337 χ^2/NDF: 24.1/25

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 113.620+/-979.964 χ^2/NDF:22.1/27

Out: -325.358+/-913.560 χ^2/NDF:31.8/32

All: -121.244+/-668.228 χ^2/NDF: 54.0/60



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4018.201+/-0.866 χ^2/NDF:636765.2/13

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4100.874+/-0.916 χ^2/NDF:562218.2/11

Left: 4057.226+/-0.630 χ^2/NDF: 1203281.1/25

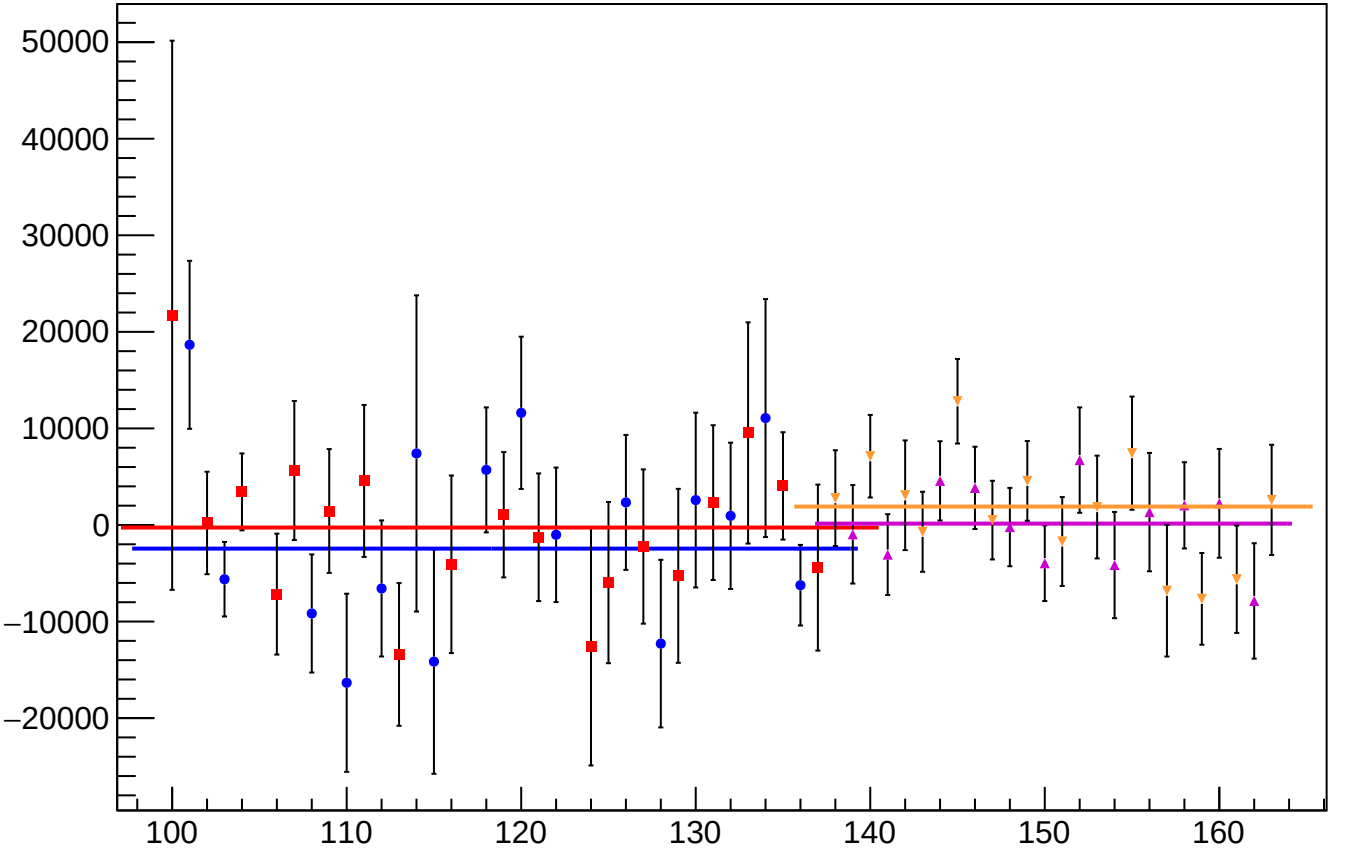
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4010.892+/-0.693 χ^2/NDF:1463150.2/27

Out: 3824.370+/-0.646 χ^2/NDF:1971294.4/32

All: 3911.098+/-0.473 χ^2/NDF: 3473210.1/60

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1906.290+/-1295.053 χ^2/NDF:17.7/13

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 141.729+/-1362.439 χ^2/NDF:7.9/11

Left: 1068.725+/-938.659 χ^2/NDF: 26.5/25

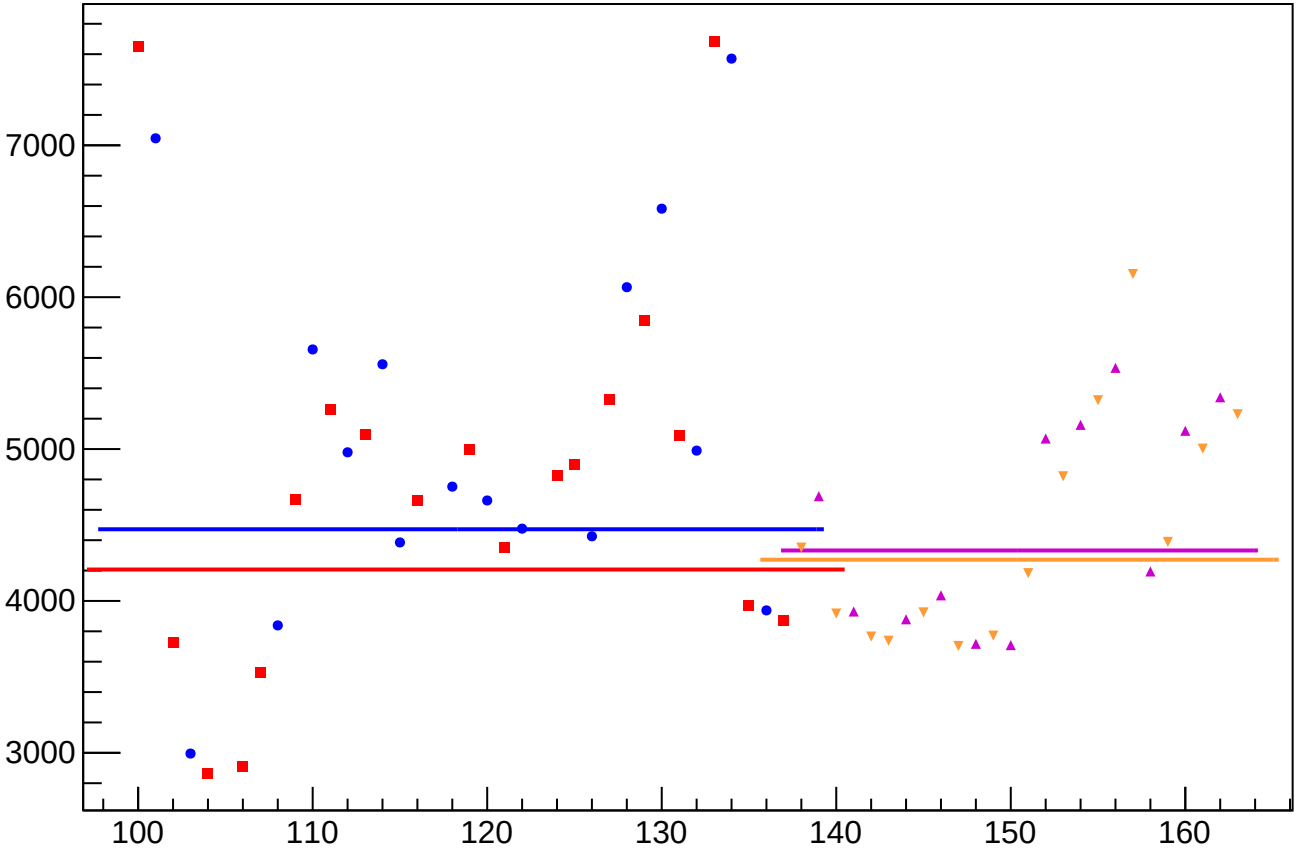
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -857.037+/-1067.908 χ^2/NDF:30.1/27

Out: 1061.008+/-1012.181 χ^2/NDF:29.5/32

All: 153.335+/-734.631 χ^2/NDF: 61.4/60

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4271.543+/-0.916 χ^2/NDF:474803.9/13

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4332.332+/-0.963 χ^2/NDF:415444.8/11

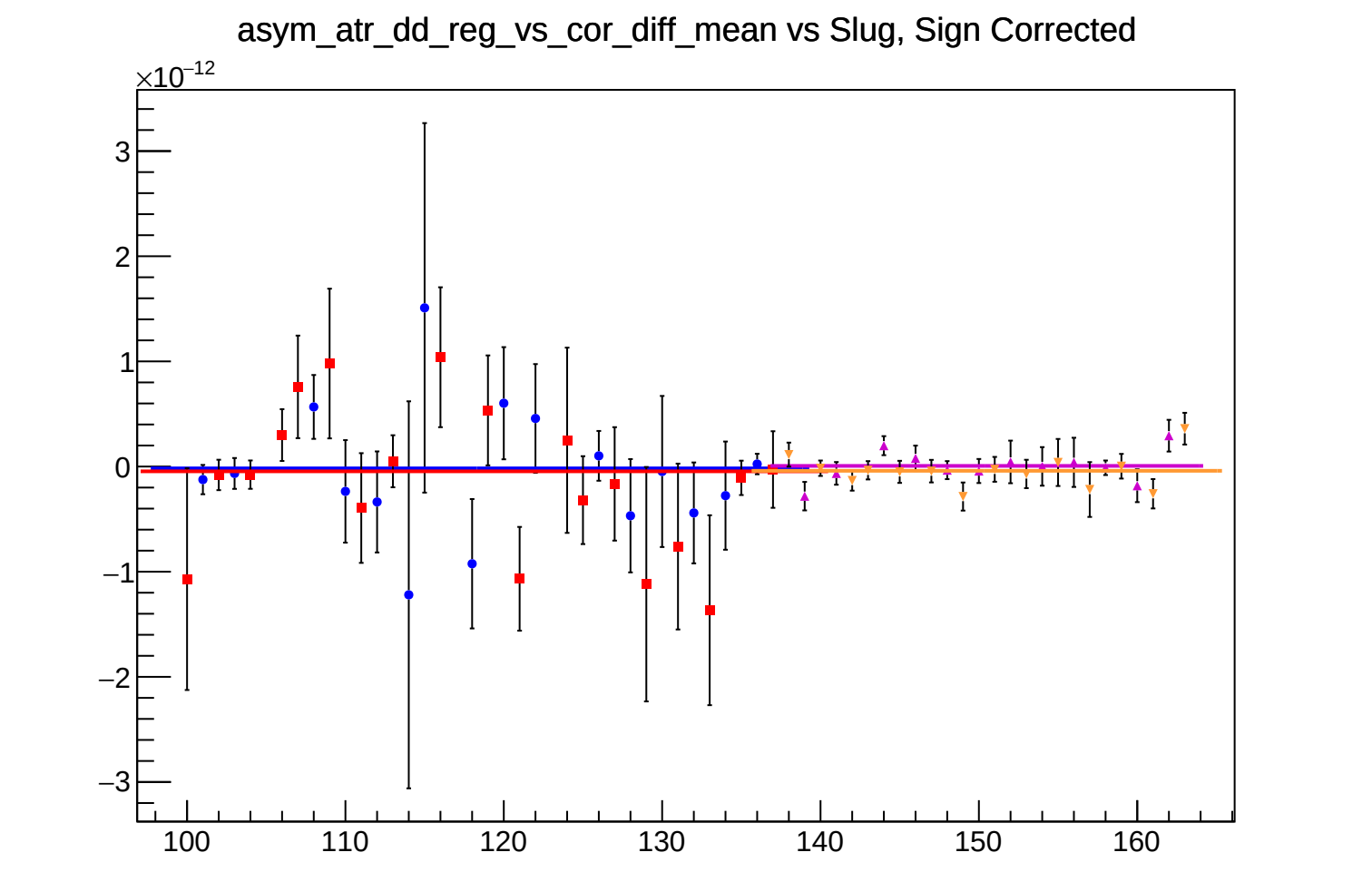
Left: 4300.397+/-0.664 χ^2/NDF: 892340.4/25

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4386.155+/-0.755 χ^2/NDF:1315217.1/27

Out: 4246.138+/-0.713 χ^2/NDF:1323287.3/32

All: 4312.174+/-0.519 χ^2/NDF: 2656670.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.5/11

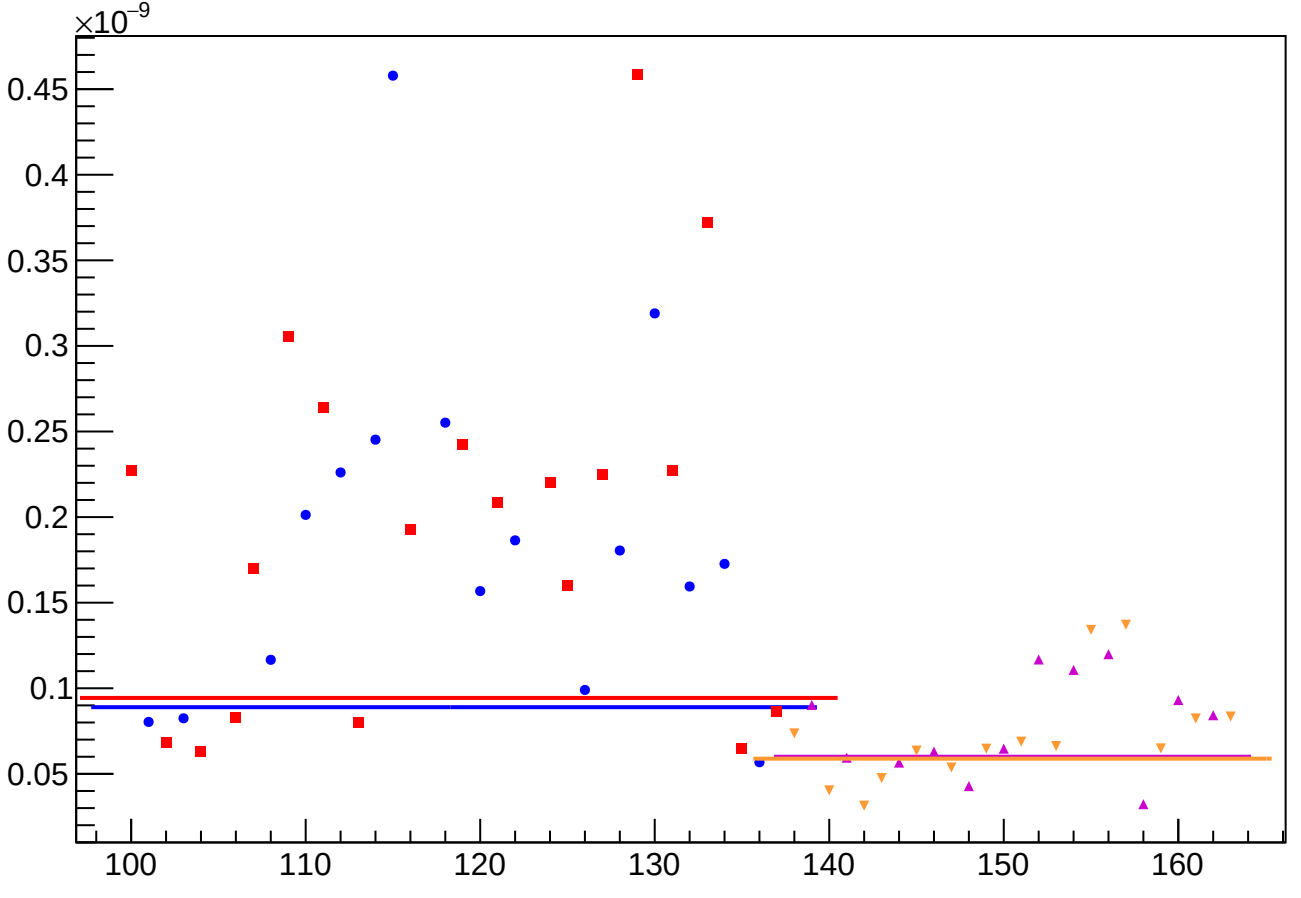
Left: -0.000+/-0.000 χ^2/NDF: 33.0/25

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/27

Out: -0.000+/-0.000 χ^2/NDF:37.7/32

All: -0.000+/-0.000 χ^2/NDF: 67.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:912310.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1093836.9/11

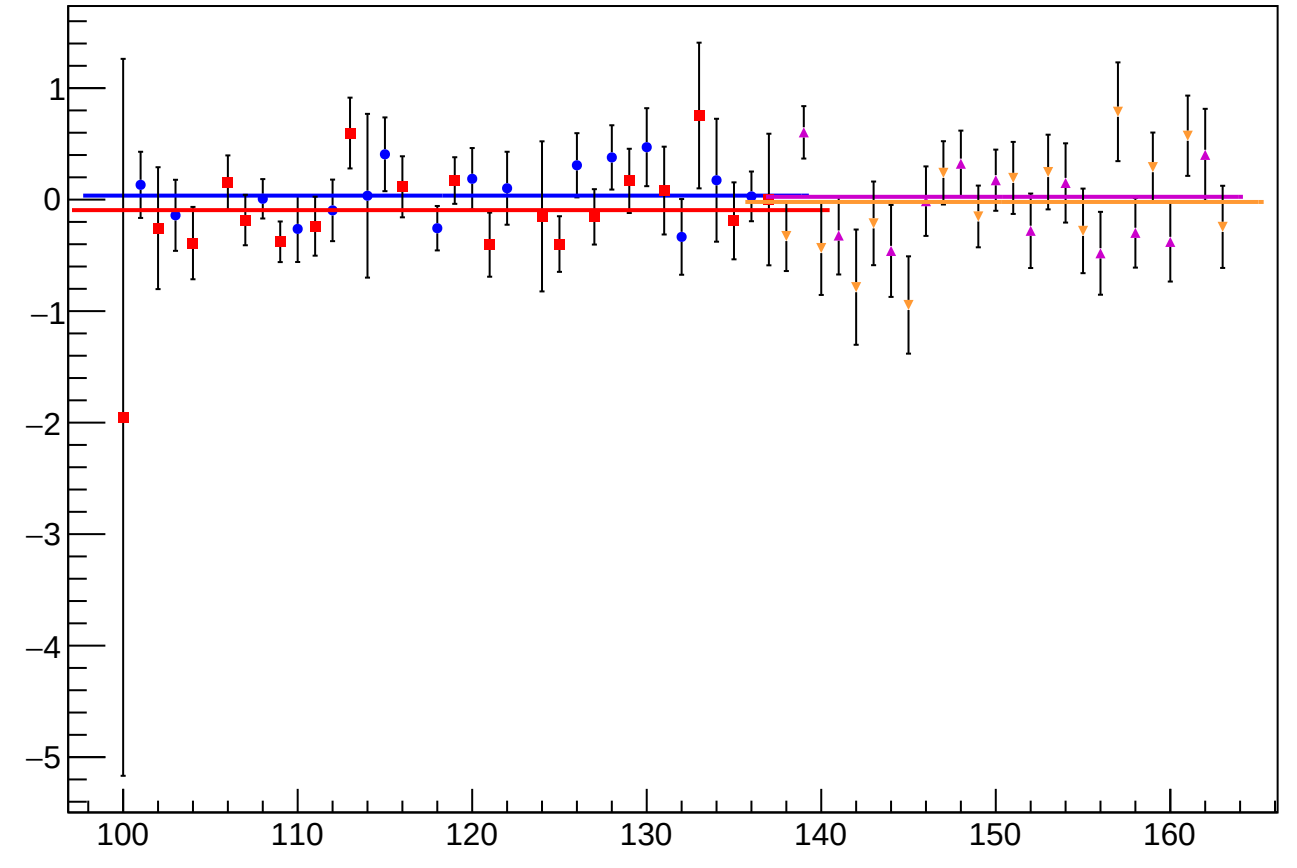
Left: 0.000+/-0.000 χ^2/NDF: 2007389.1/25

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:2667760.6/27

Out: 0.000+/-0.000 χ^2/NDF:3058826.6/32

All: 0.000+/-0.000 χ^2/NDF: 5729994.2/60



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.025+/-0.093 χ^2/NDF:15.7/11

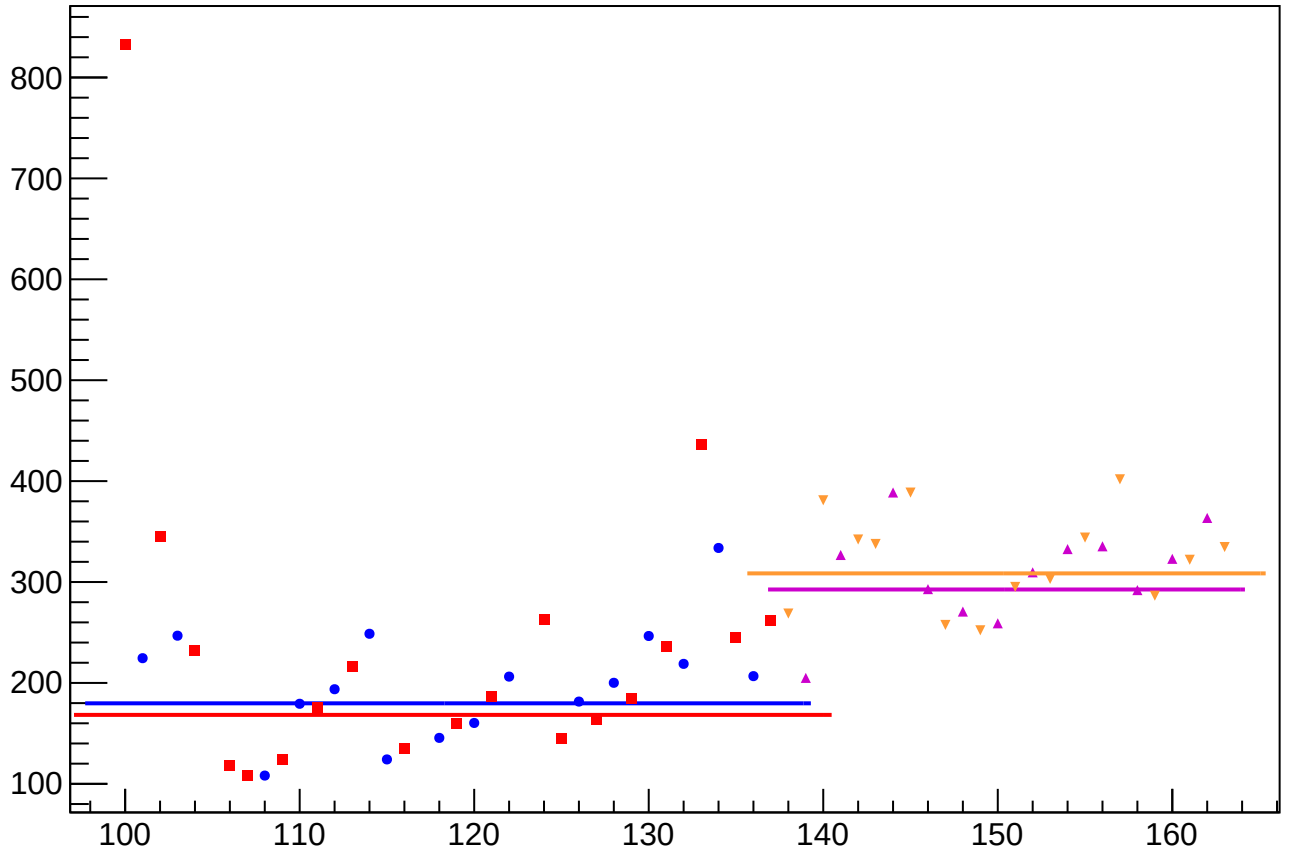
Left: 0.002+/-0.066 χ^2/NDF: 34.8/25

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.056 χ^2/NDF:26.3/27

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.020+/-0.039 χ^2/NDF: 64.9/60



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 292.602+/-0.066 χ^2/NDF:576937.0/11

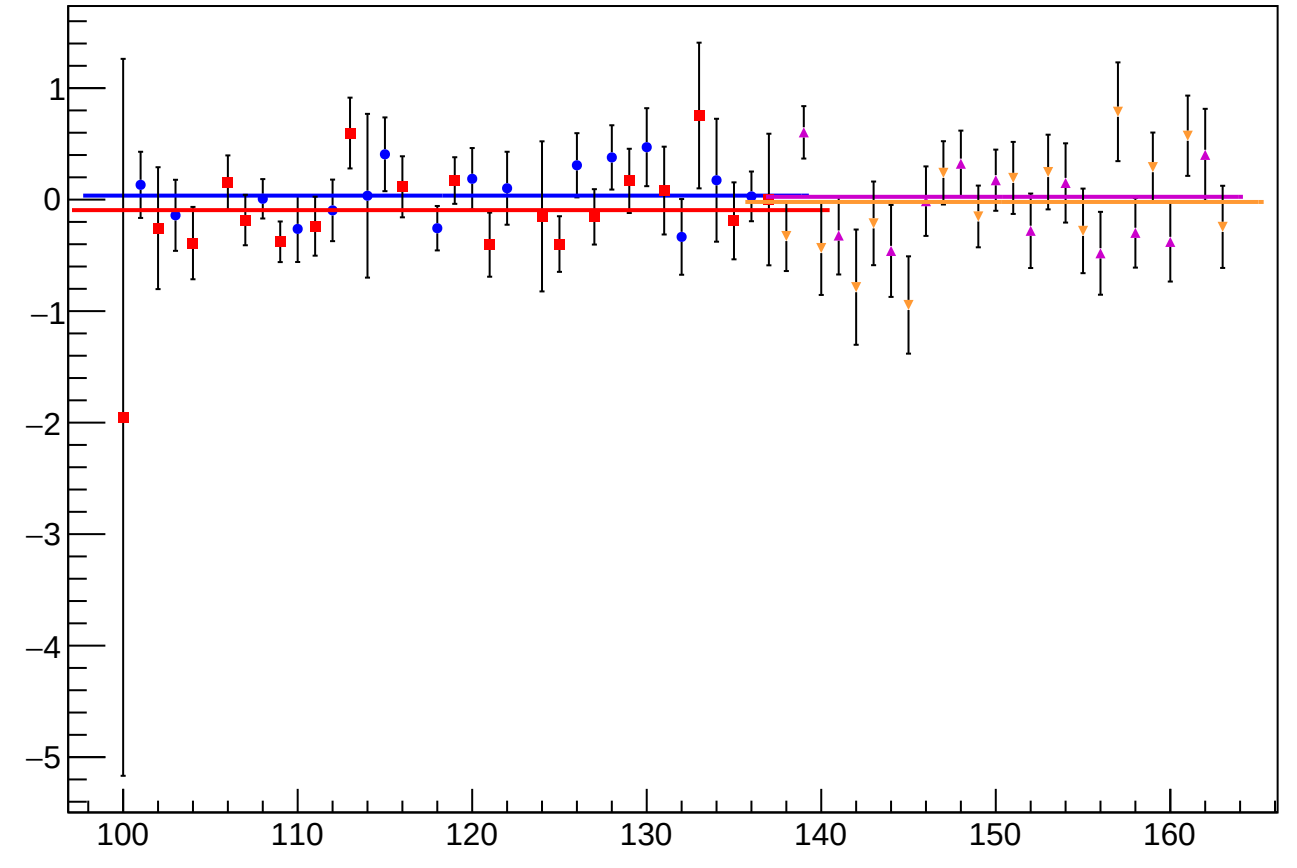
Left: 300.514+/-0.047 χ^2/NDF: 1066271.5/25

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 220.947+/-0.040 χ^2/NDF:3359238.4/27

Out: 216.221+/-0.039 χ^2/NDF:4805434.2/32

All: 218.526+/-0.028 χ^2/NDF: 8171904.4/60



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.025+/-0.093 χ^2/NDF:15.7/11

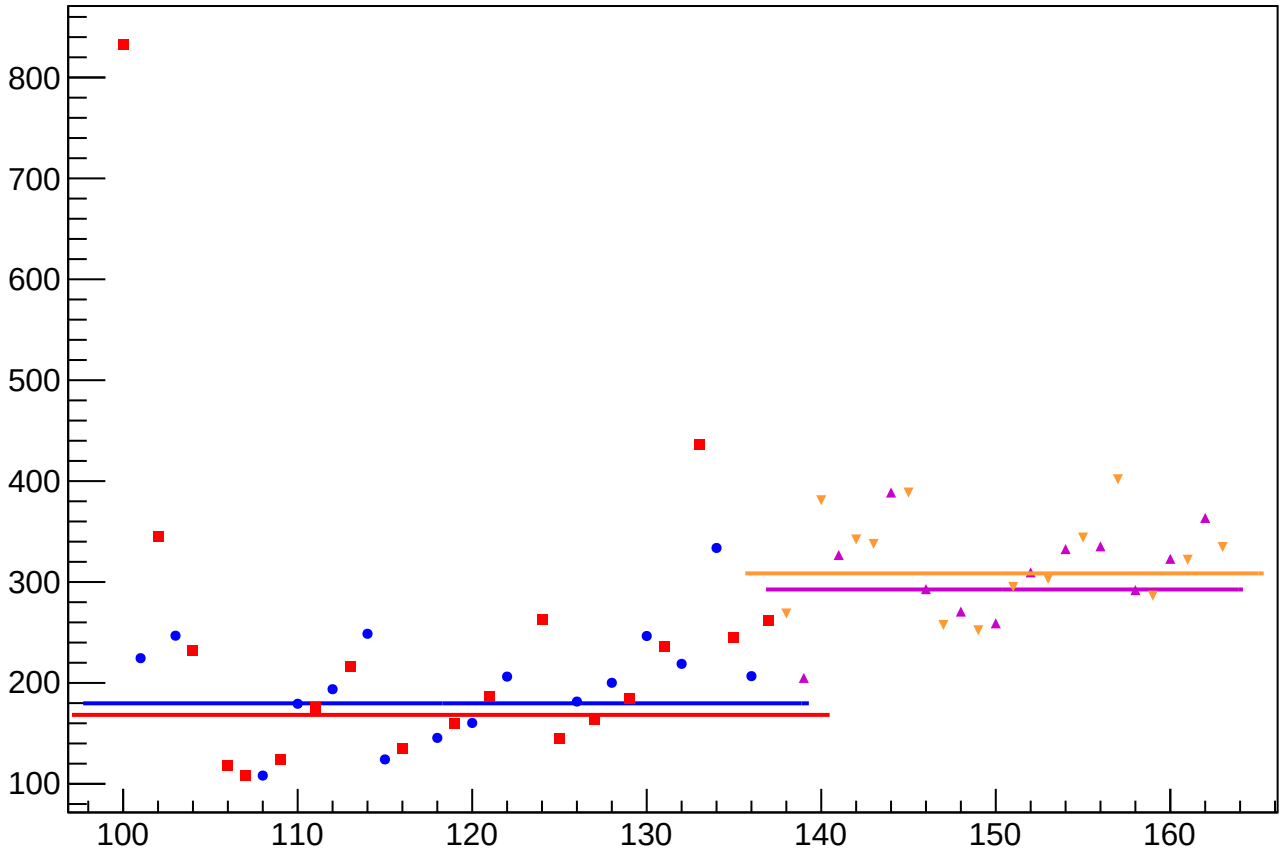
Left: 0.002+/-0.066 χ^2/NDF: 34.8/25

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.056 χ^2/NDF:26.3/27

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.020+/-0.039 χ^2/NDF: 64.9/60



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 308.559+/-0.066 χ^2/NDF:460227.2/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 292.602+/-0.066 χ^2/NDF:576937.0/11

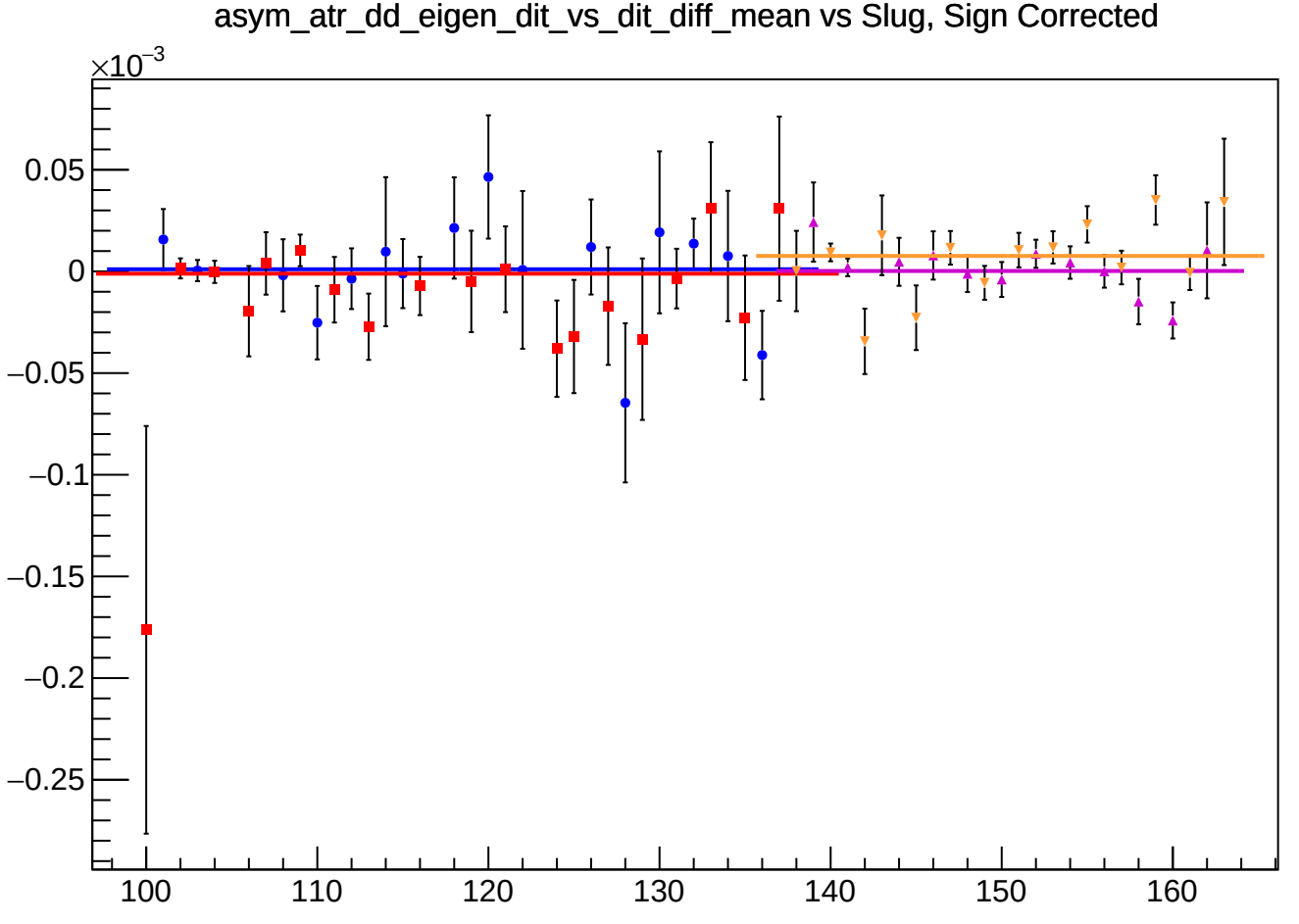
Left: 300.514+/-0.047 χ^2/NDF: 1066271.5/25

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 220.947+/-0.040 χ^2/NDF:3359238.4/27

Out: 216.221+/-0.039 χ^2/NDF:4805434.2/32

All: 218.526+/-0.028 χ^2/NDF: 8171904.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.8/11

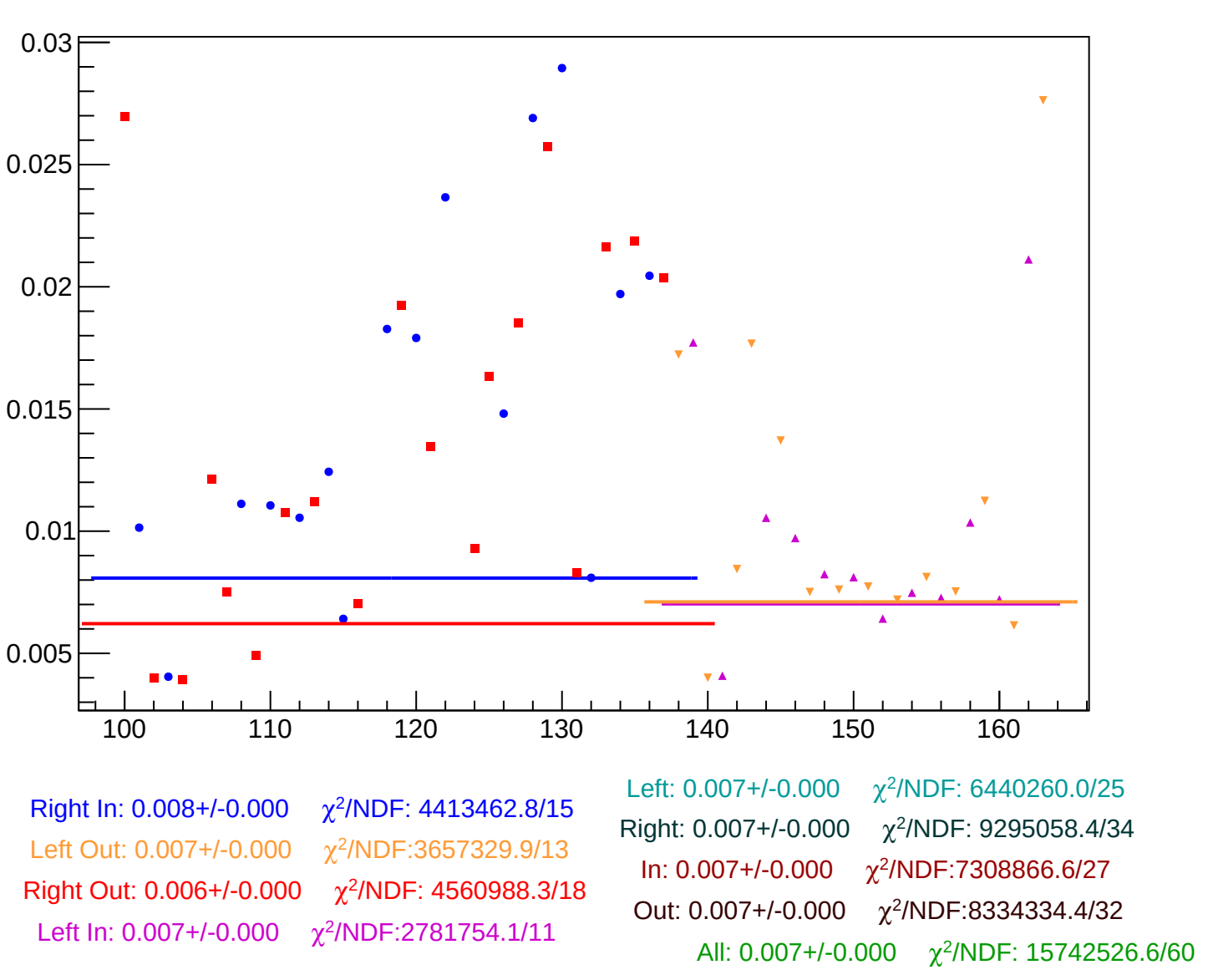
Left: 0.000+/-0.000 χ^2/NDF: 43.0/25

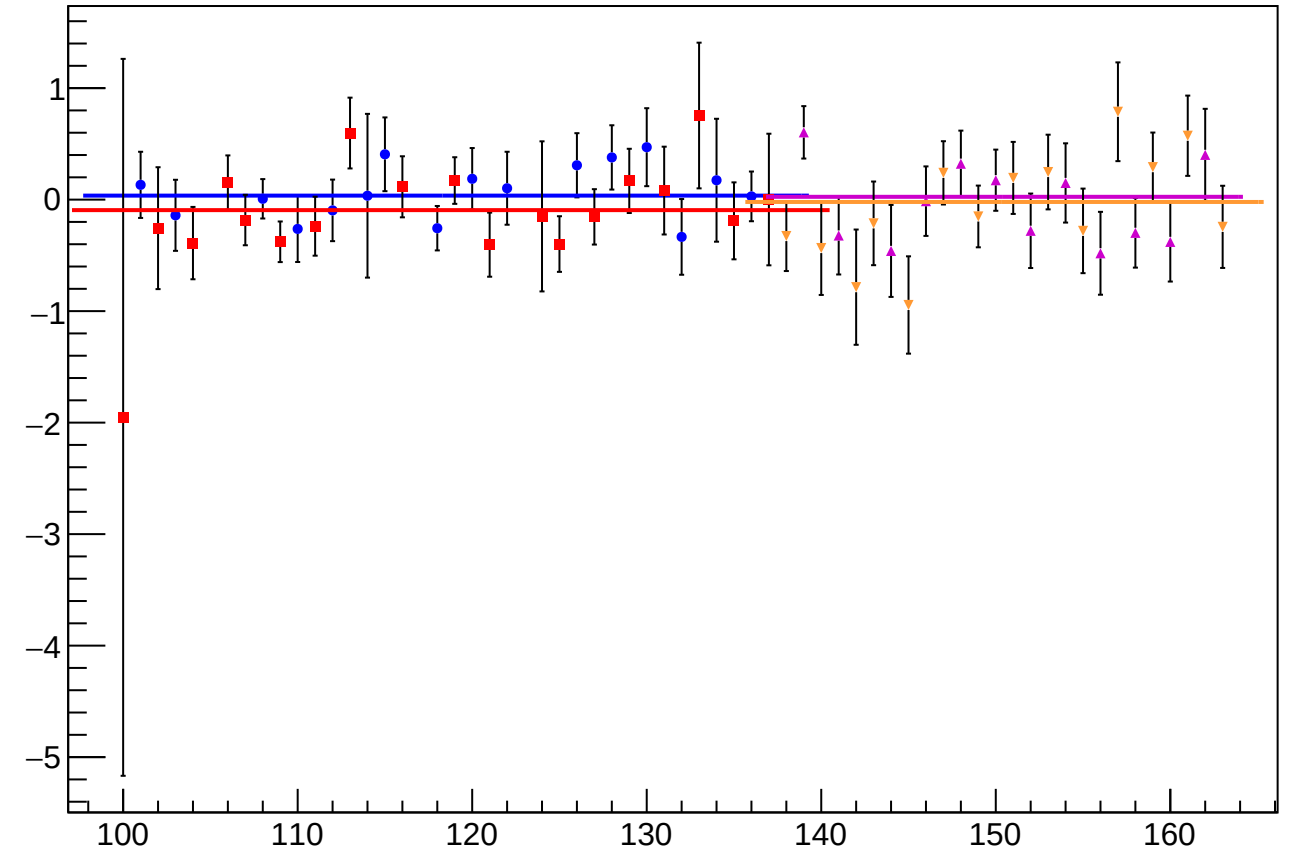
Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:28.1/27

Out: 0.000+/-0.000 χ^2/NDF:46.0/32

All: 0.000+/-0.000 χ^2/NDF: 75.8/60


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
Right In: 0.008+/-0.000 χ²/NDF: 4413462.8/15
Left Out: 0.007+/-0.000 χ²/NDF:3657329.9/13
Right Out: 0.006+/-0.000 χ²/NDF: 4560988.3/18
Left In: 0.007+/-0.000 χ²/NDF:2781754.1/11
Left: 0.007+/-0.000 χ²/NDF: 6440260.0/25
Right: 0.007+/-0.000 χ²/NDF: 9295058.4/34
In: 0.007+/-0.000 χ²/NDF:7308866.6/27
Out: 0.007+/-0.000 χ²/NDF:8334334.4/32
All: 0.007+/-0.000 χ²/NDF: 15742526.6/60



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.025+/-0.093 χ^2/NDF:15.7/11

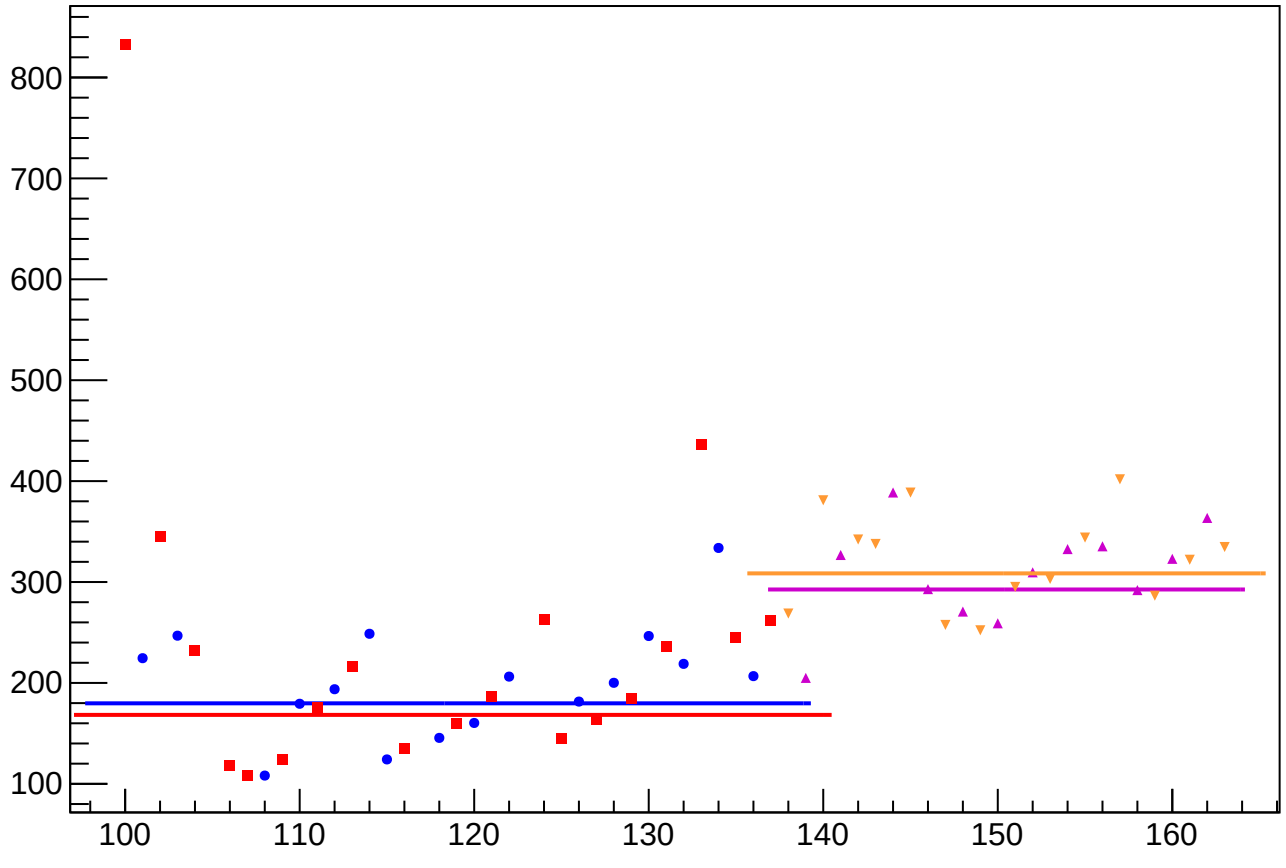
Left: 0.002+/-0.066 χ^2/NDF: 34.8/25

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.056 χ^2/NDF:26.3/27

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.020+/-0.039 χ^2/NDF: 64.9/60



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.564+/-0.066 χ^2/NDF:460211.7/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.607+/-0.066 χ^2/NDF:576917.9/11

Left: 300.519+/-0.047 χ^2/NDF: 1066238.7/25

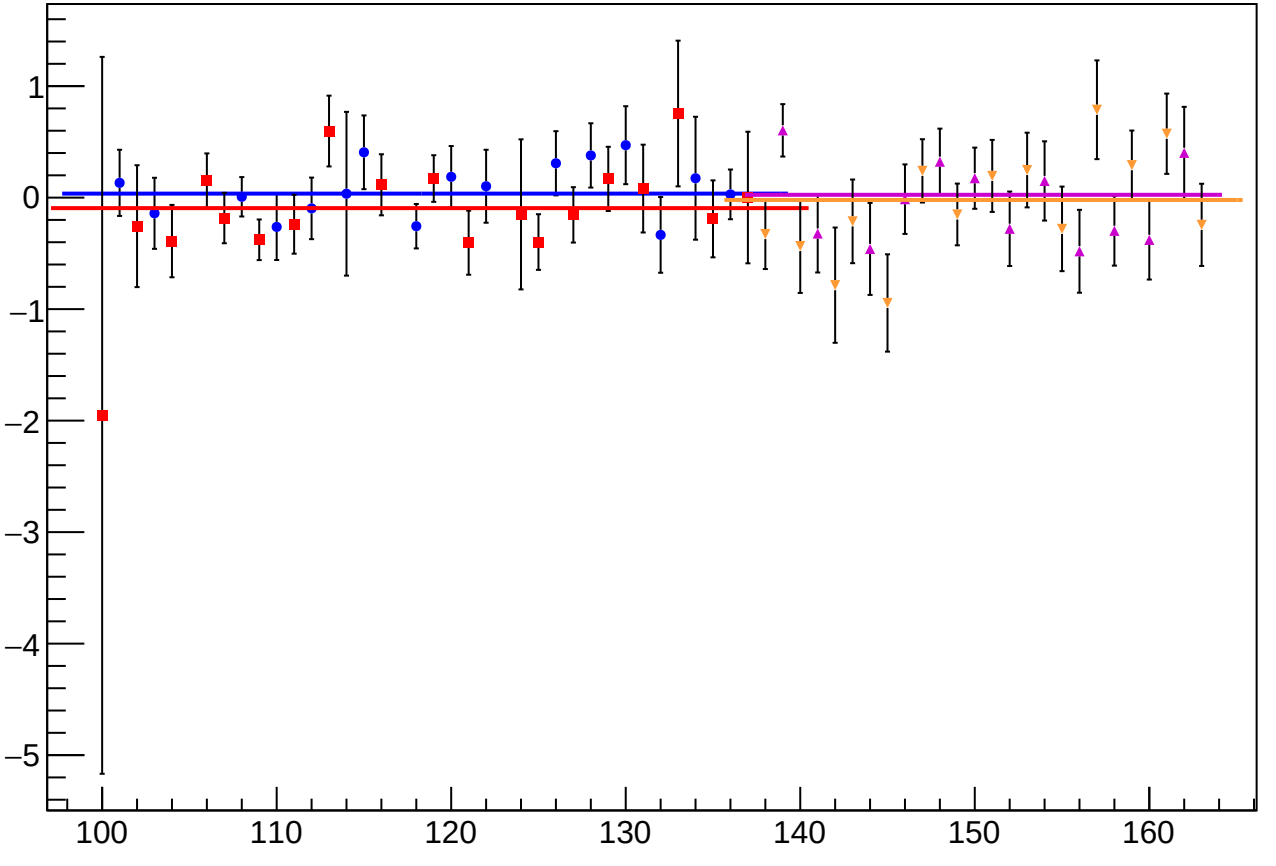
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 220.946+/-0.040 χ^2/NDF:3359478.5/27

Out: 216.222+/-0.039 χ^2/NDF:4805577.7/32

All: 218.526+/-0.028 χ^2/NDF: 8172281.8/60

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.021+/-0.094 χ^2/NDF:18.9/13

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.025+/-0.093 χ^2/NDF:15.7/11

Left: 0.002+/-0.066 χ^2/NDF: 34.8/25

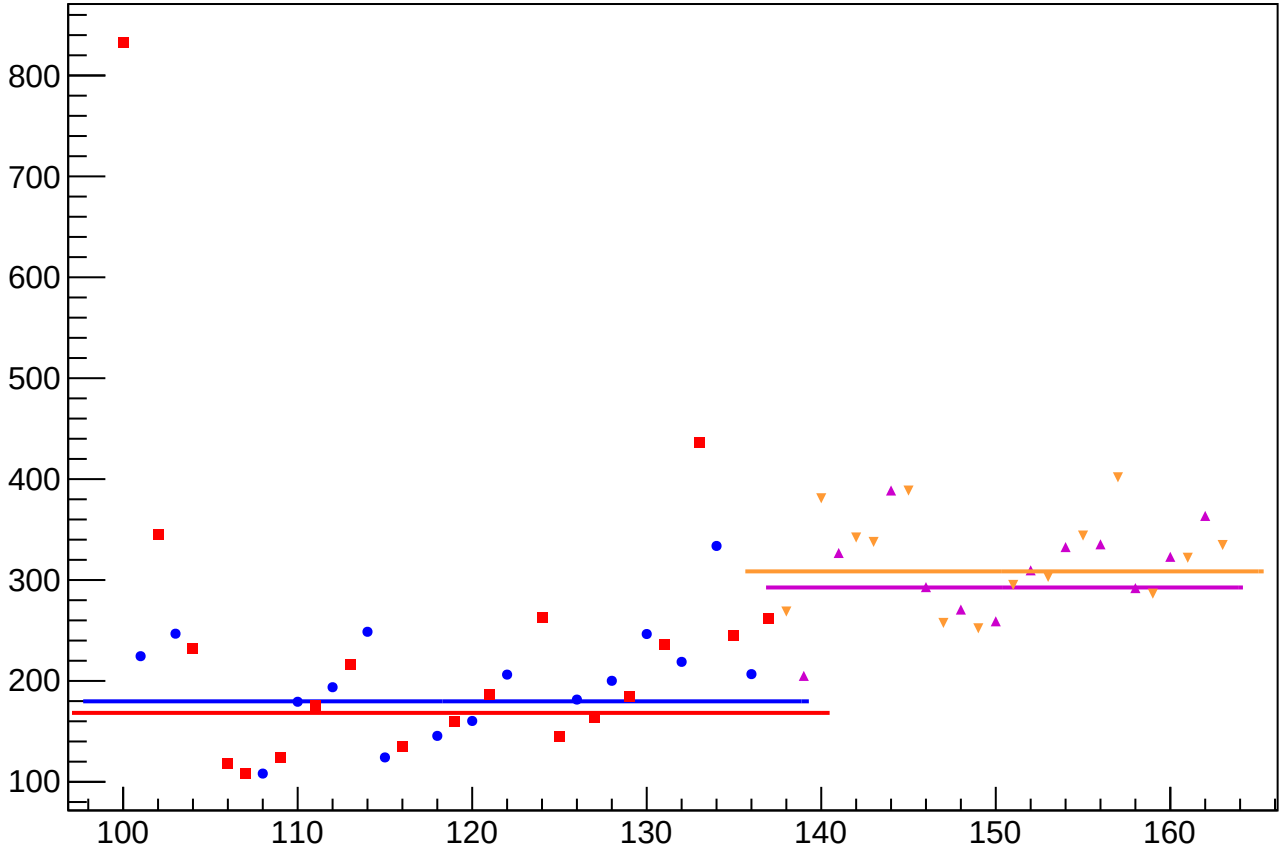
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.056 χ^2/NDF:26.3/27

Out: -0.069+/-0.055 χ^2/NDF:36.9/32

All: -0.020+/-0.039 χ^2/NDF: 64.9/60

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 308.564+/-0.066 χ^2/NDF:460211.7/13

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 292.607+/-0.066 χ^2/NDF:576917.9/11

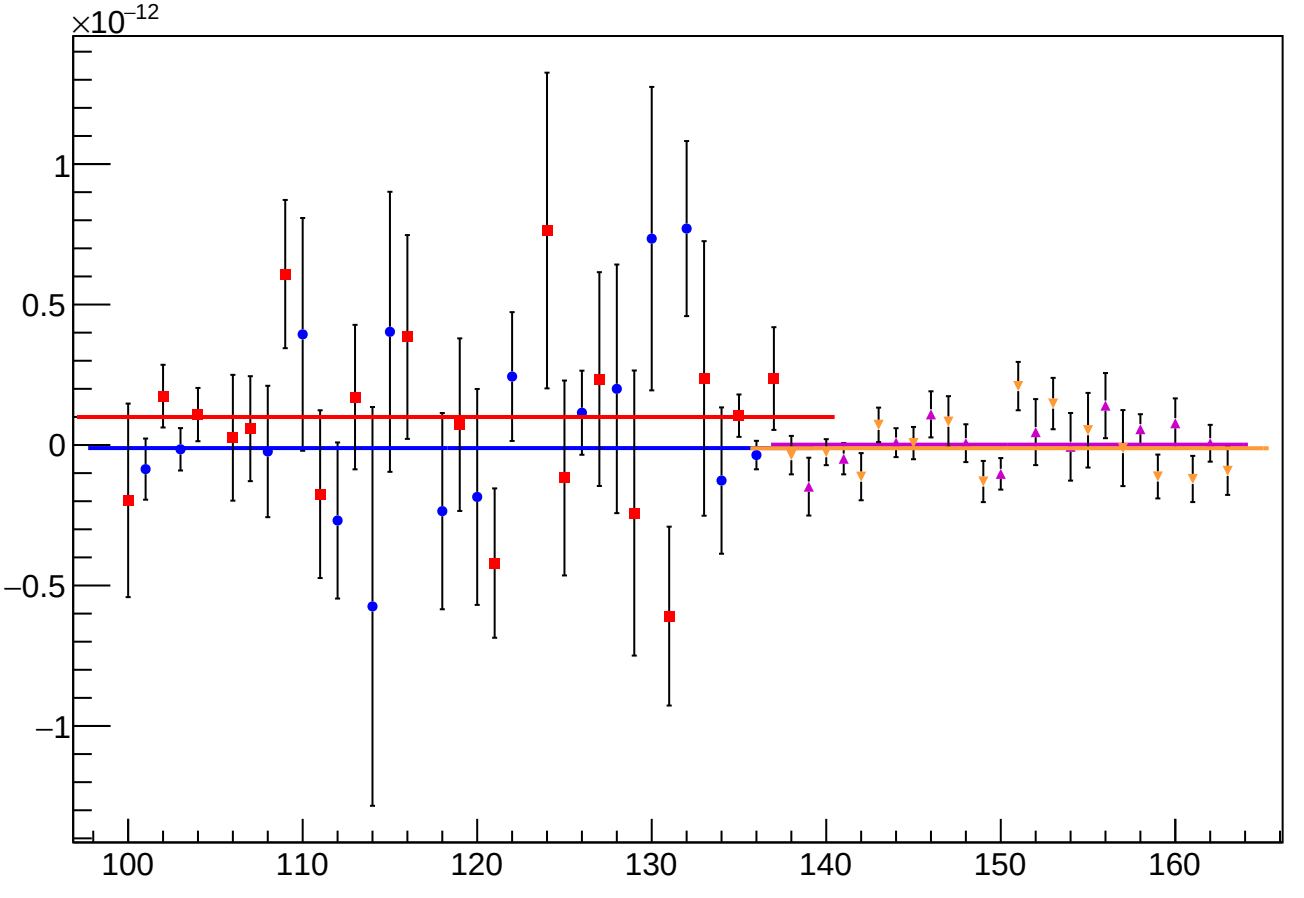
Left: 300.519+/-0.047 χ^2/NDF: 1066238.7/25

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 220.946+/-0.040 χ^2/NDF:3359478.5/27

Out: 216.222+/-0.039 χ^2/NDF:4805577.7/32

All: 218.526+/-0.028 χ^2/NDF: 8172281.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/13

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

Left In: 0.000+/-0.000 χ^2/NDF:11.5/11

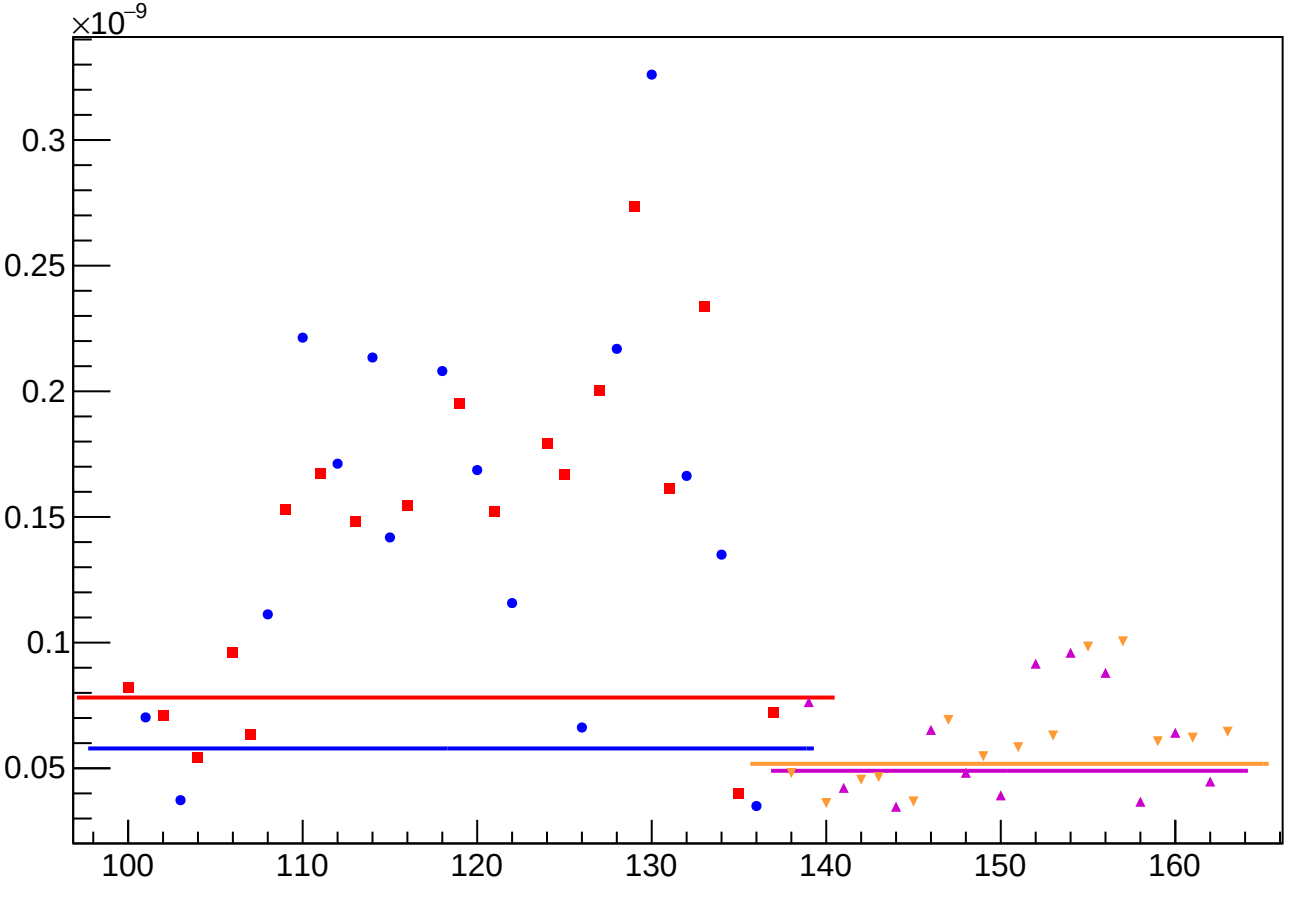
Left: -0.000+/-0.000 χ^2/NDF: 33.2/25

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:26.6/27

Out: 0.000+/-0.000 χ^2/NDF:45.6/32

All: 0.000+/-0.000 χ^2/NDF: 72.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124859.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1431983.0/11

Left: 0.000+/-0.000 χ^2/NDF: 2576025.5/25

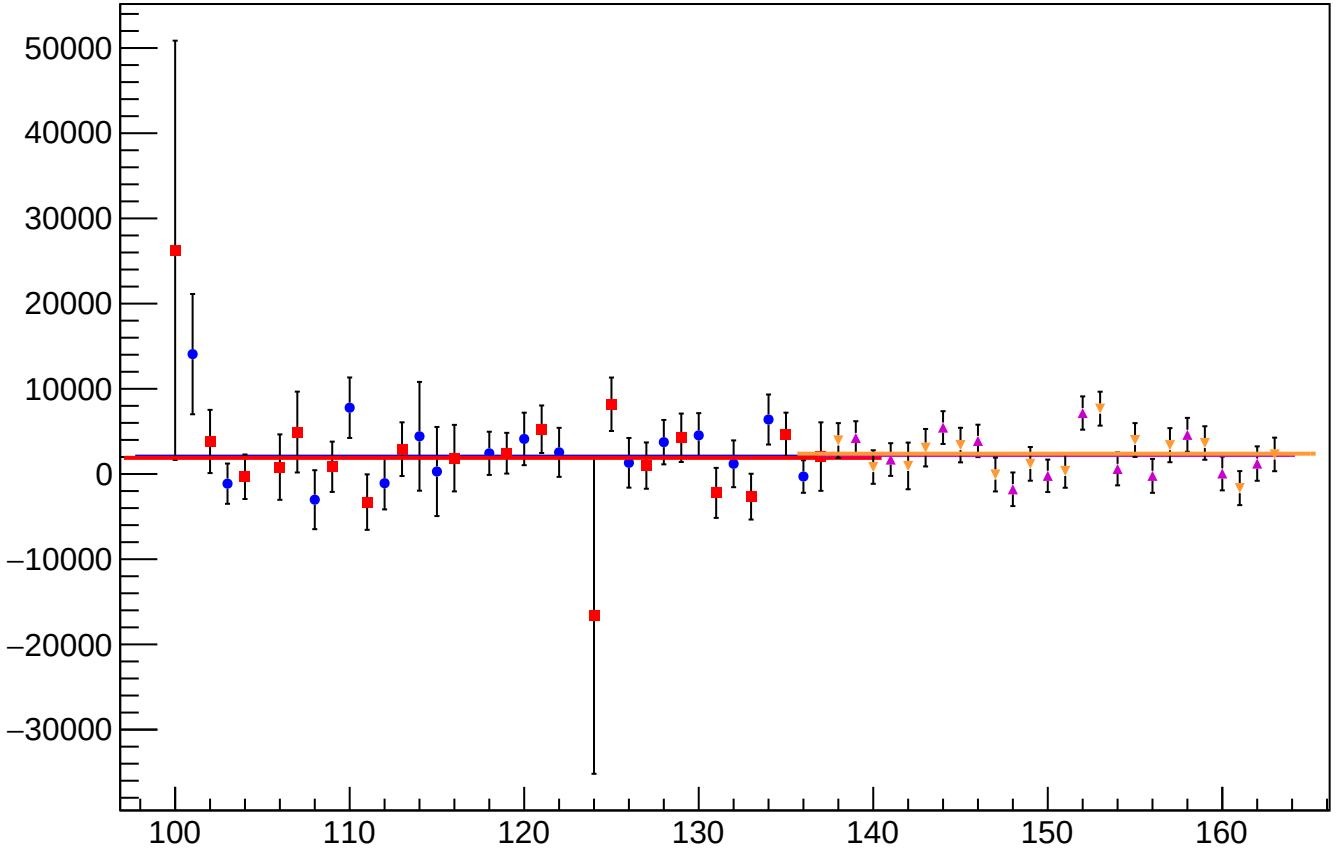
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4850377.0/27

Out: 0.000+/-0.000 χ^2/NDF:4496925.6/32

All: 0.000+/-0.000 χ^2/NDF: 9438820.6/60

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.180+/-544.768 χ^2/NDF:17.2/13

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2240.771+/-563.757 χ^2/NDF:21.9/11

Left: 2315.966+/-391.750 χ^2/NDF: 39.2/25

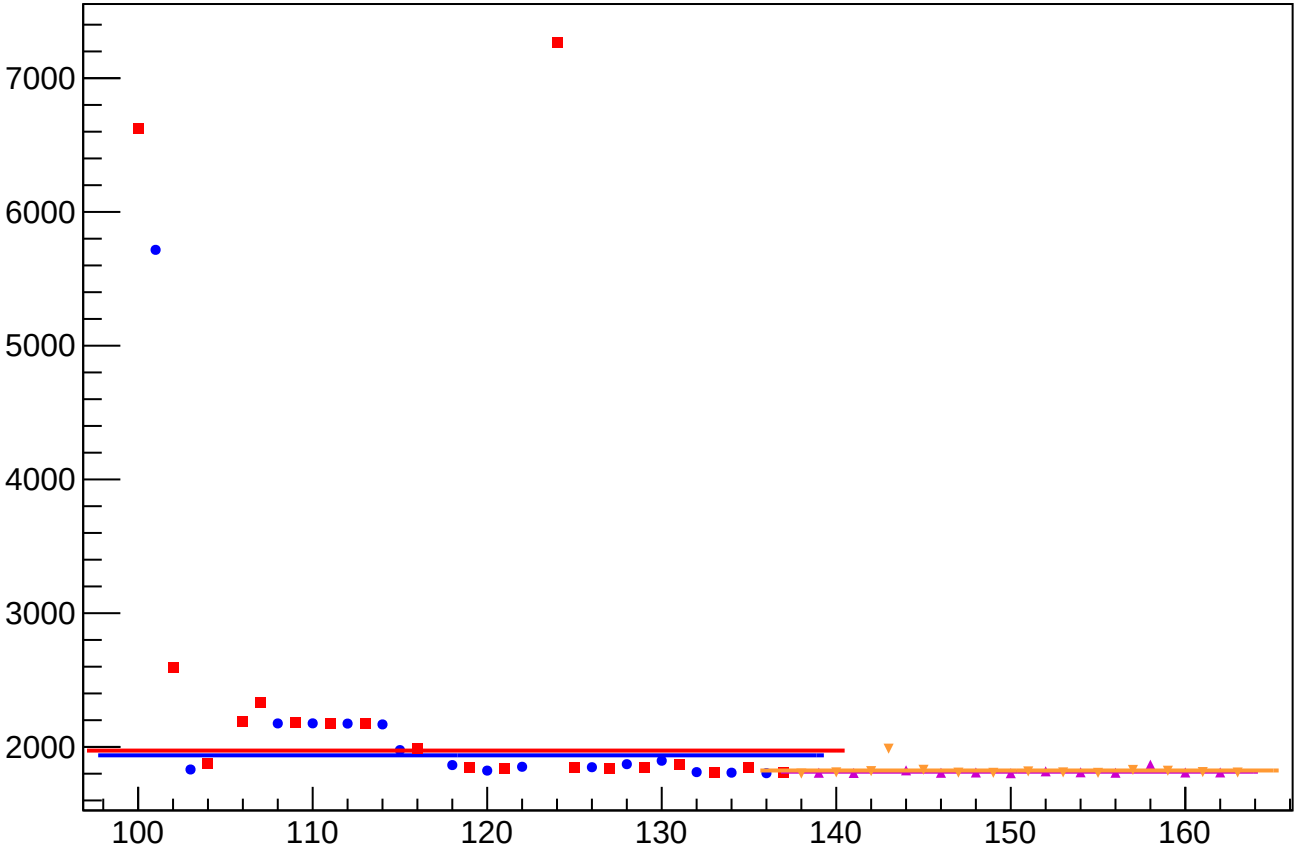
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2166.268+/-447.598 χ^2/NDF:38.4/27

Out: 2212.647+/-438.031 χ^2/NDF:36.0/32

All: 2189.958+/-313.062 χ^2/NDF: 74.4/60

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1814.818+/-0.399 χ^2/NDF:1715.8/11

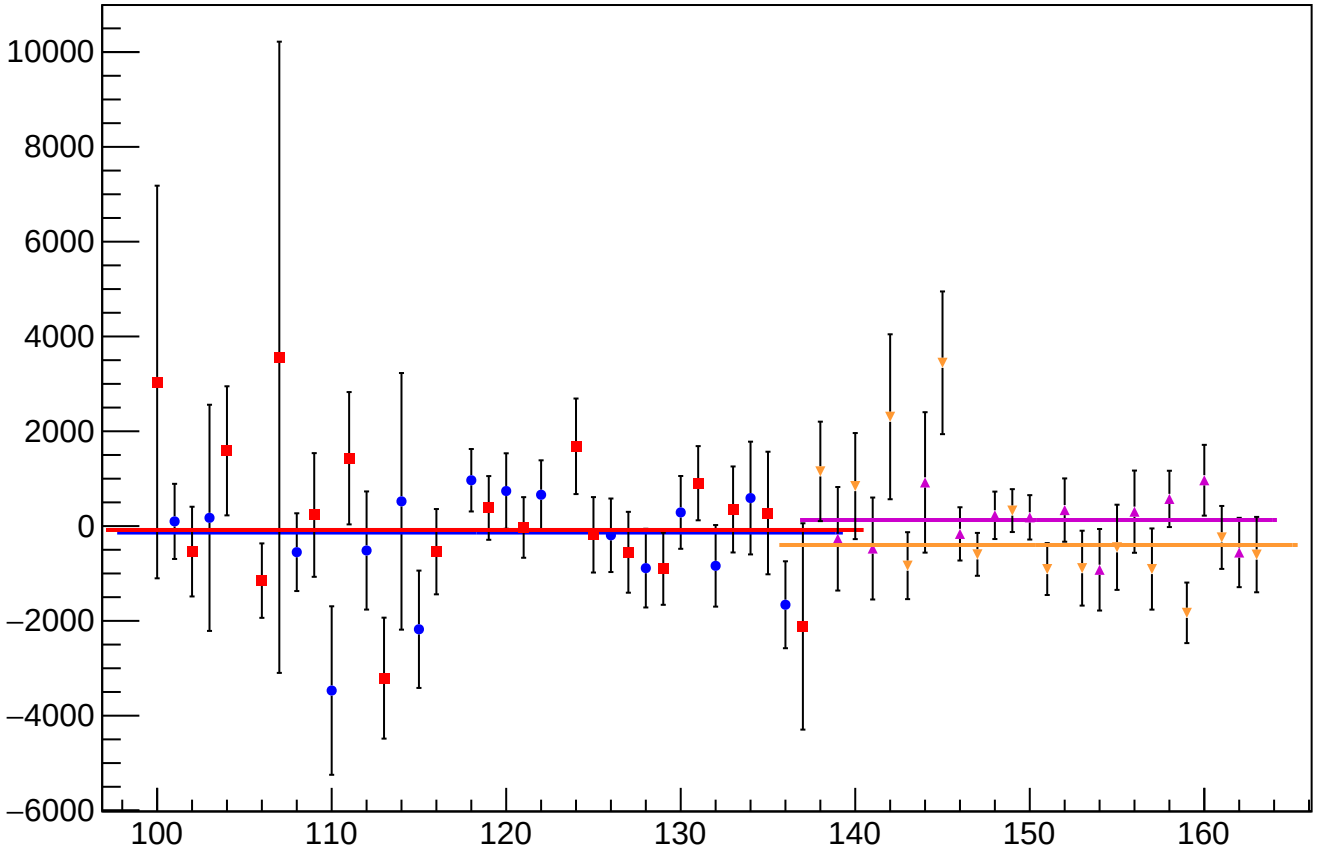
Left: 1819.536+/-0.277 χ^2/NDF: 14141.8/25

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1860.074+/-0.316 χ^2/NDF:674675.3/27

Out: 1876.545+/-0.310 χ^2/NDF:442449.5/32

All: 1868.487+/-0.221 χ^2/NDF: 1118508.2/60



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -399.033+/-188.651 χ^2/NDF:22.2/13

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 128.159+/-198.802 χ^2/NDF:5.4/11

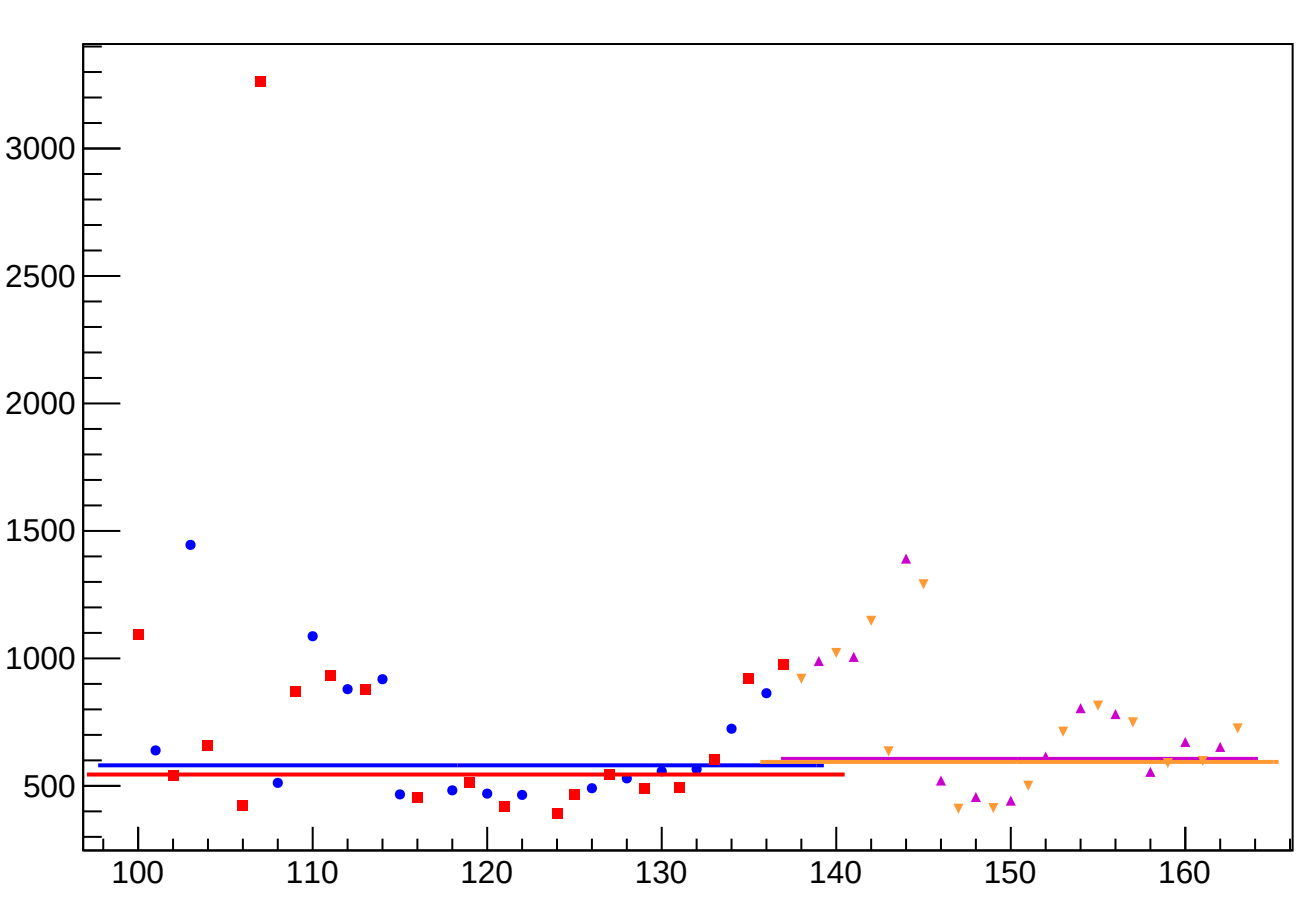
Left: -149.240+/-136.844 χ^2/NDF: 31.3/25

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 15.165+/-150.524 χ^2/NDF:23.0/27

Out: -266.231+/-143.761 χ^2/NDF:43.2/32

All: -131.997+/-103.963 χ^2/NDF: 68.0/60



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 593.900+/-0.133 χ^2/NDF:2116446.2/13

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 605.856+/-0.141 χ^2/NDF:1783128.7/11

Left: 599.565+/-0.097 χ^2/NDF: 3903381.2/25

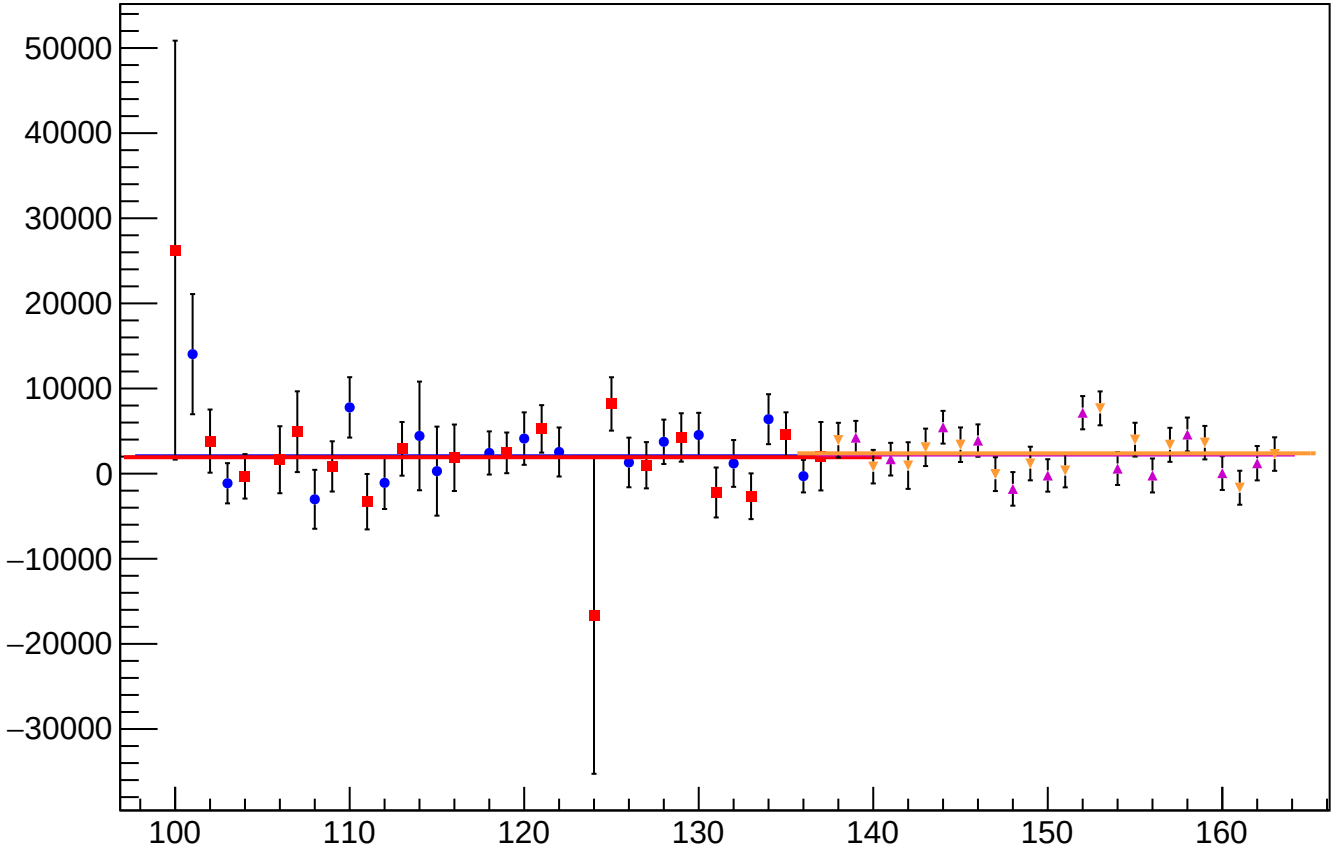
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 595.083+/-0.106 χ^2/NDF:2800301.3/27

Out: 573.200+/-0.102 χ^2/NDF:3461518.2/32

All: 583.639+/-0.074 χ^2/NDF: 6283926.1/60

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2240.886+/-563.757 χ^2/NDF:21.9/11

Left: 2316.013+/-391.750 χ^2/NDF: 39.2/25

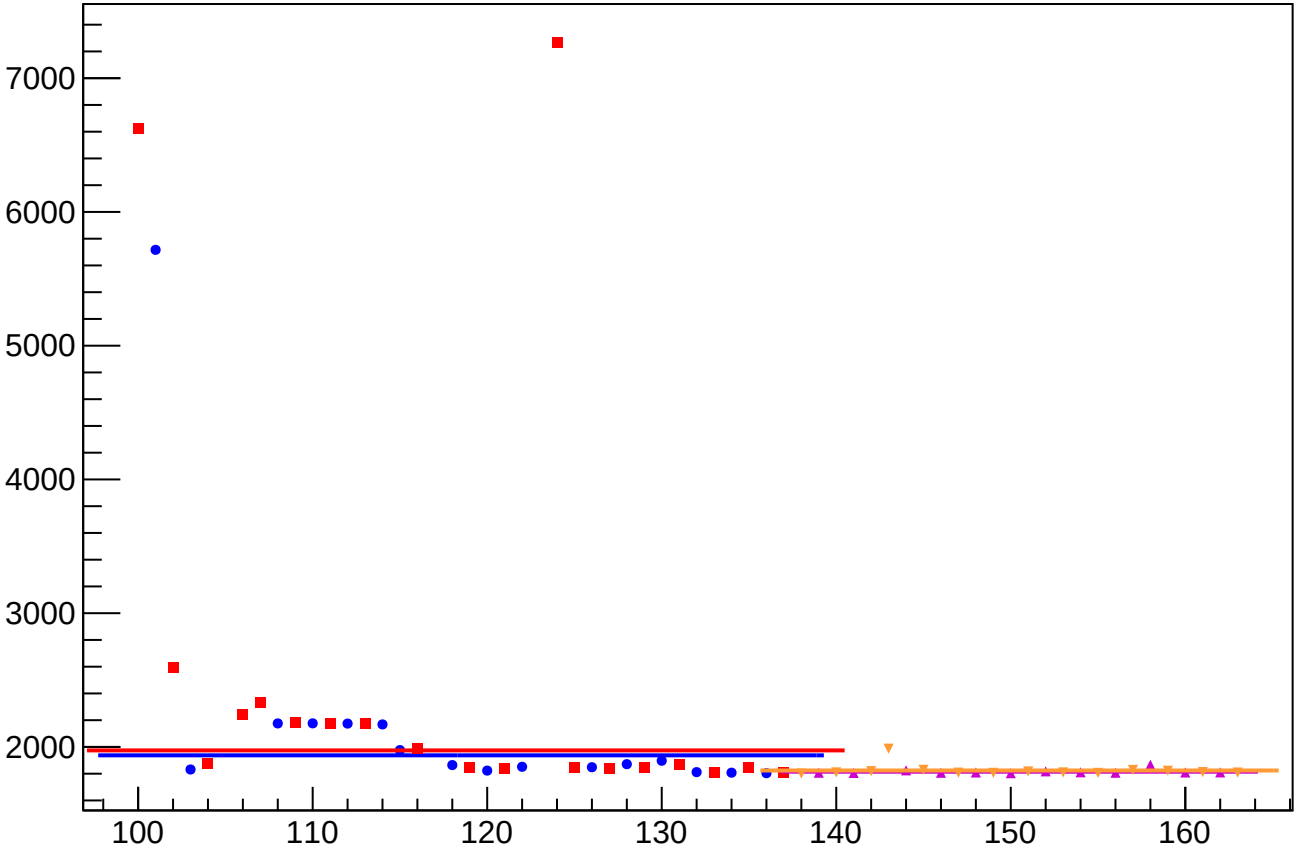
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2166.204+/-447.598 χ^2/NDF:38.4/27

Out: 2223.787+/-438.167 χ^2/NDF:35.9/32

All: 2195.608+/-313.112 χ^2/NDF: 74.3/60

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.818+/-0.399 χ^2/NDF:1715.8/11

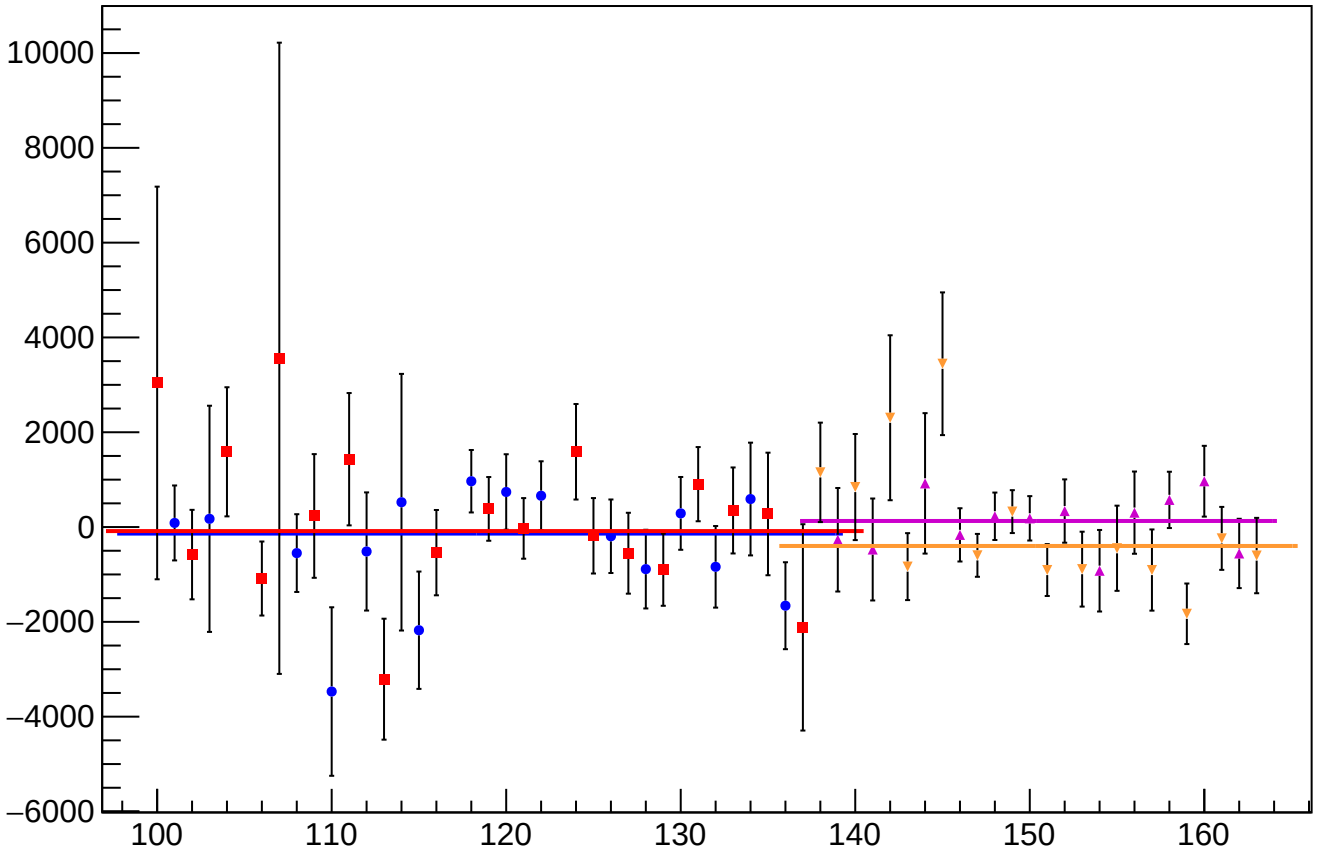
Left: 1819.536+/-0.277 χ^2/NDF: 14141.8/25

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1860.074+/-0.316 χ^2/NDF:674675.2/27

Out: 1876.977+/-0.310 χ^2/NDF:446275.4/32

All: 1868.705+/-0.221 χ^2/NDF: 1122407.2/60



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -399.148+/-188.652 χ^2/NDF:22.2/13

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 128.197+/-198.803 χ^2/NDF:5.4/11

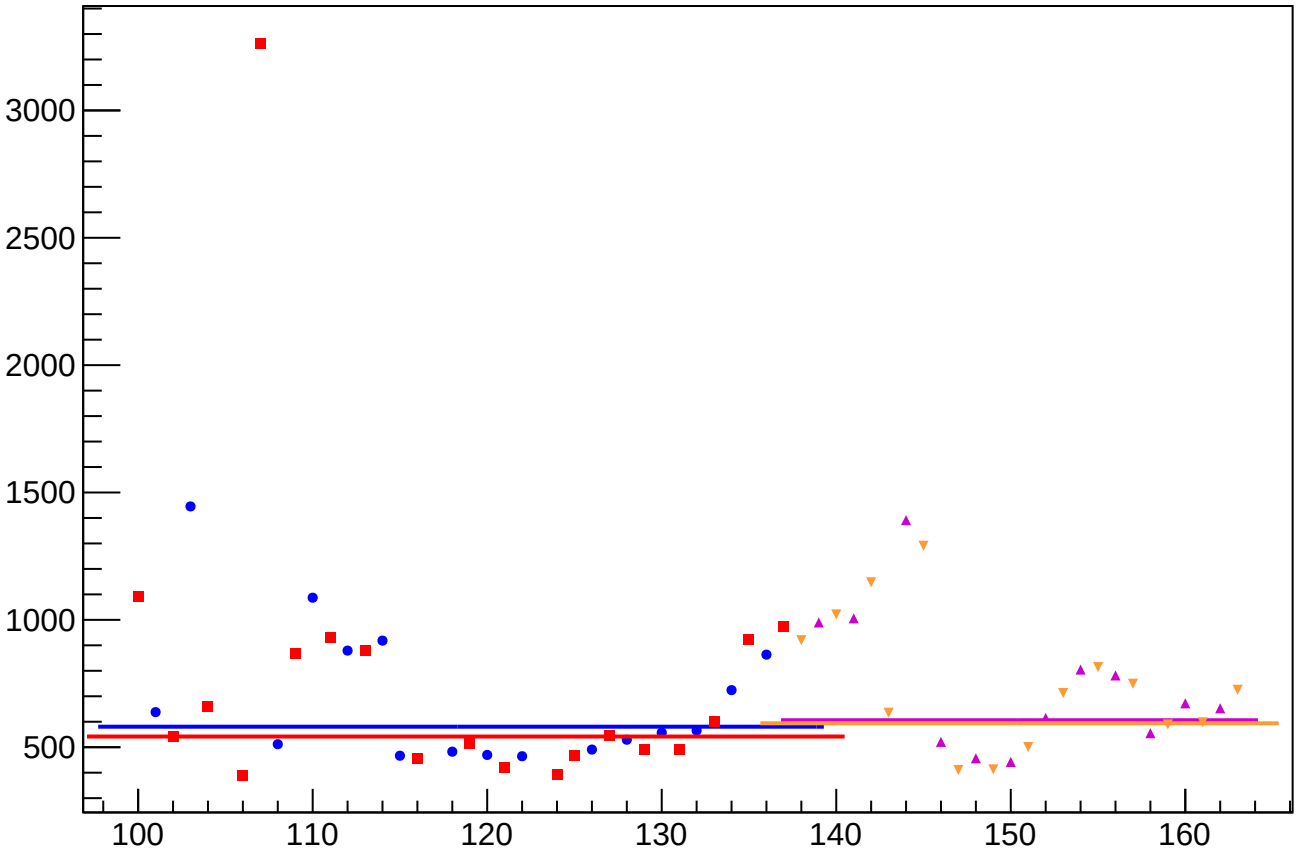
Left: -149.281+/-136.845 χ^2/NDF: 31.3/25

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 14.797+/-150.511 χ^2/NDF:23.0/27

Out: -267.313+/-143.724 χ^2/NDF:42.7/32

All: -132.762+/-103.945 χ^2/NDF: 67.6/60



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.904+/-0.133 χ^2/NDF:2116556.1/13

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.859+/-0.141 χ^2/NDF:1783177.8/11

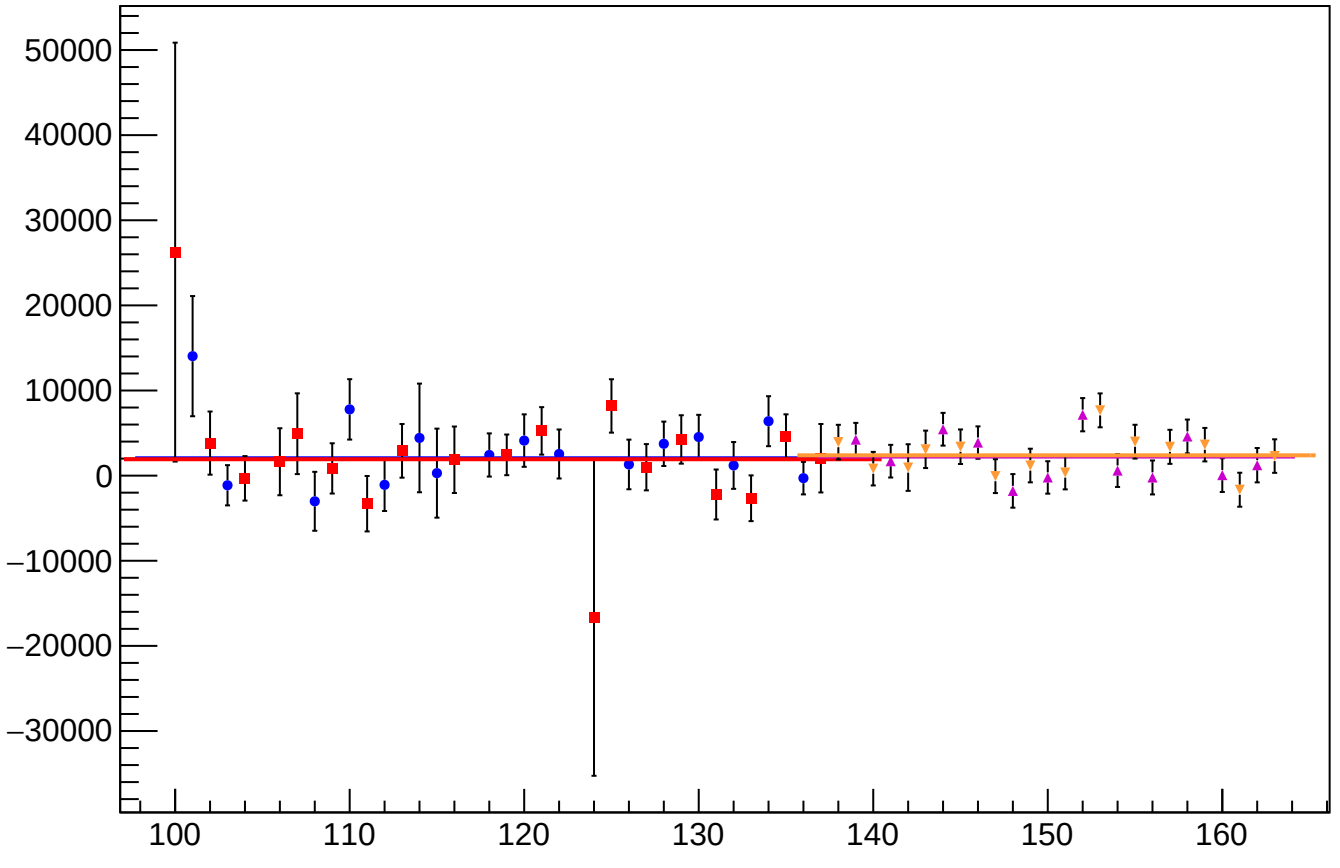
Left: 599.569+/-0.097 χ^2/NDF: 3903539.2/25

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 595.043+/-0.106 χ^2/NDF:2799947.4/27

Out: 572.100+/-0.102 χ^2/NDF:3499080.3/32

All: 583.043+/-0.074 χ^2/NDF: 6323335.3/60



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2386.163+/-544.768 χ^2/NDF:17.2/13

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2240.886+/-563.757 χ^2/NDF:21.9/11

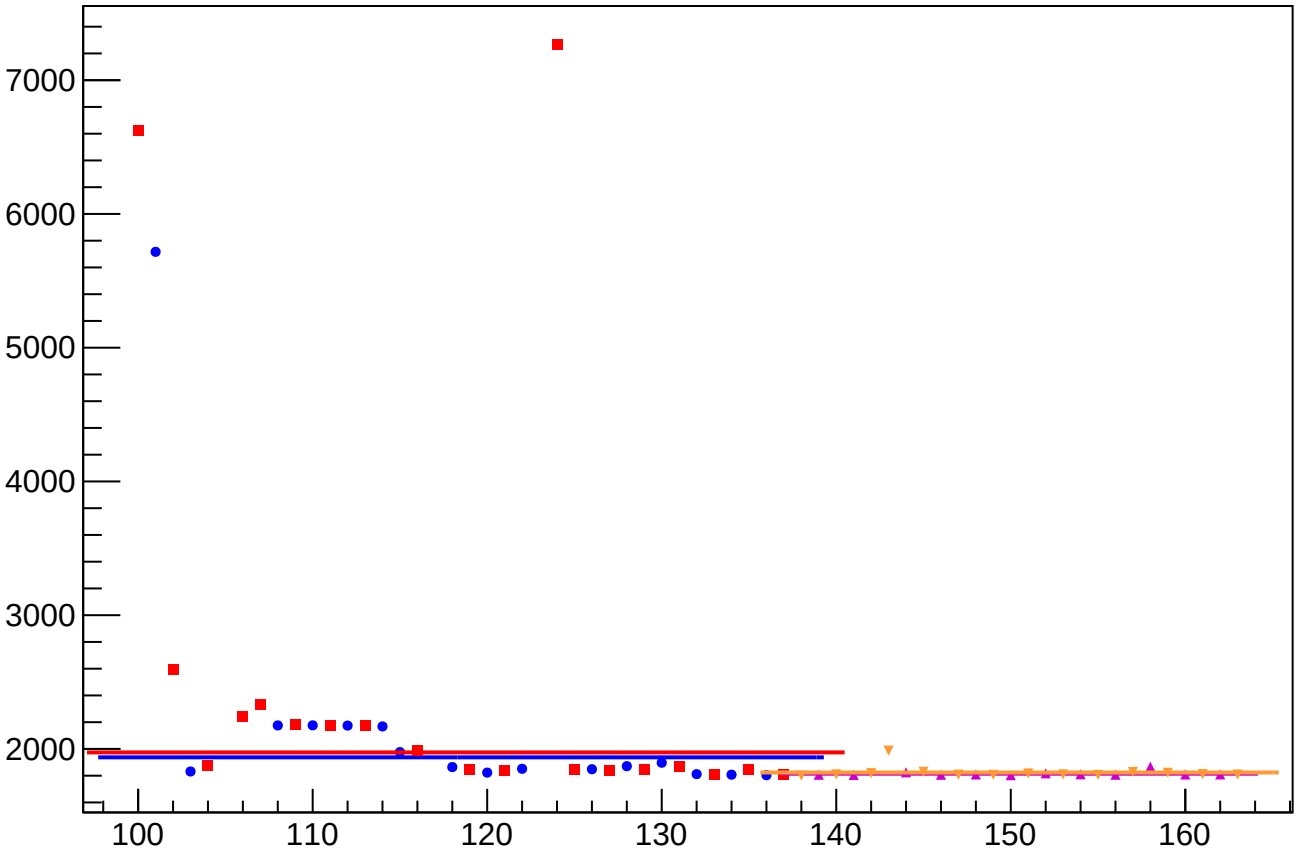
Left: 2316.013+/-391.750 χ^2/NDF: 39.2/25

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2166.204+/-447.598 χ^2/NDF:38.4/27

Out: 2223.787+/-438.167 χ^2/NDF:35.9/32

All: 2195.608+/-313.112 χ^2/NDF: 74.3/60



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1823.941+/-0.385 χ^2/NDF:12155.2/13

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1814.818+/-0.399 χ^2/NDF:1715.8/11

Left: 1819.536+/-0.277 χ^2/NDF: 14141.8/25

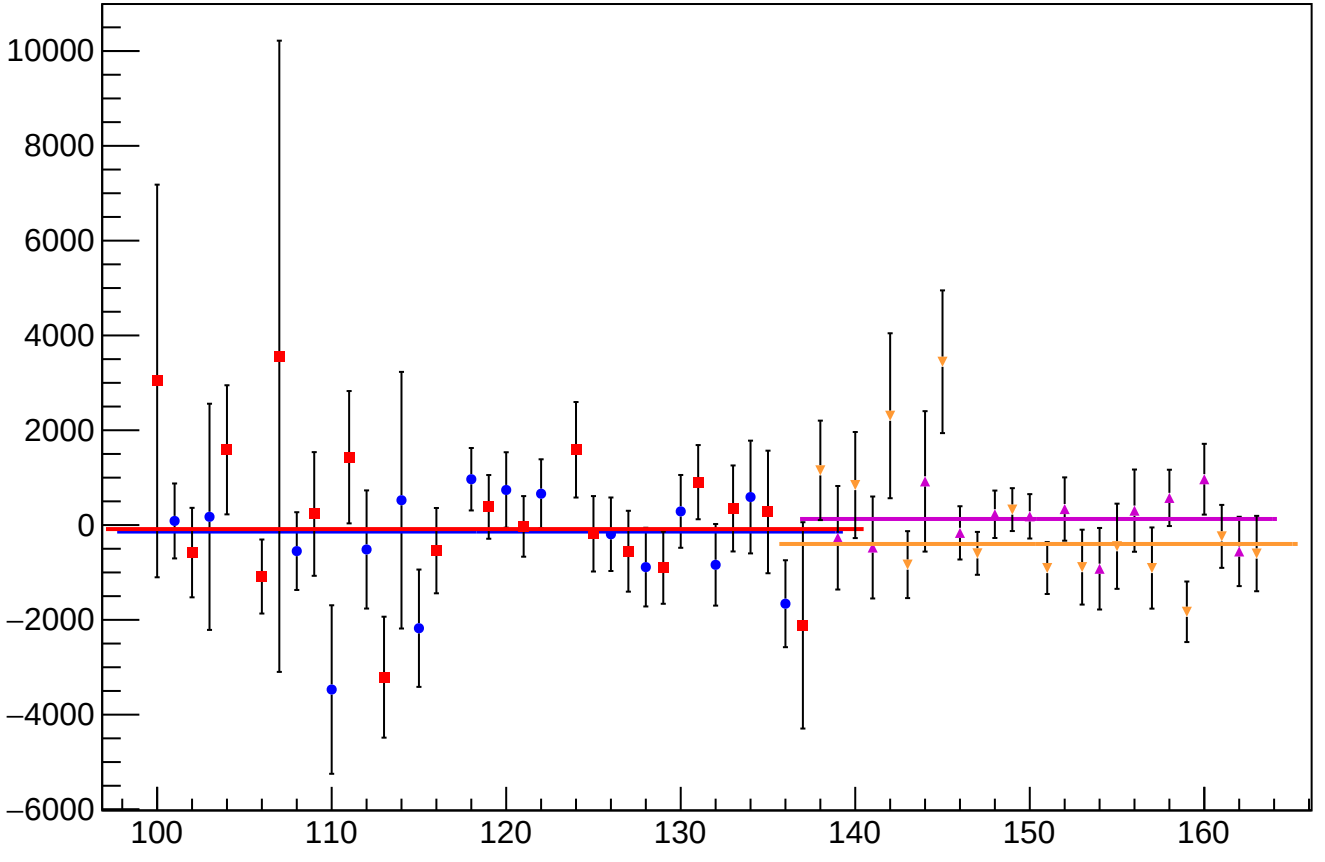
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1860.074+/-0.316 χ^2/NDF:674675.2/27

Out: 1876.977+/-0.310 χ^2/NDF:446275.4/32

All: 1868.705+/-0.221 χ^2/NDF: 1122407.2/60

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: -399.148+/-188.652 χ^2/NDF:22.2/13

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 128.197+/-198.803 χ^2/NDF:5.4/11

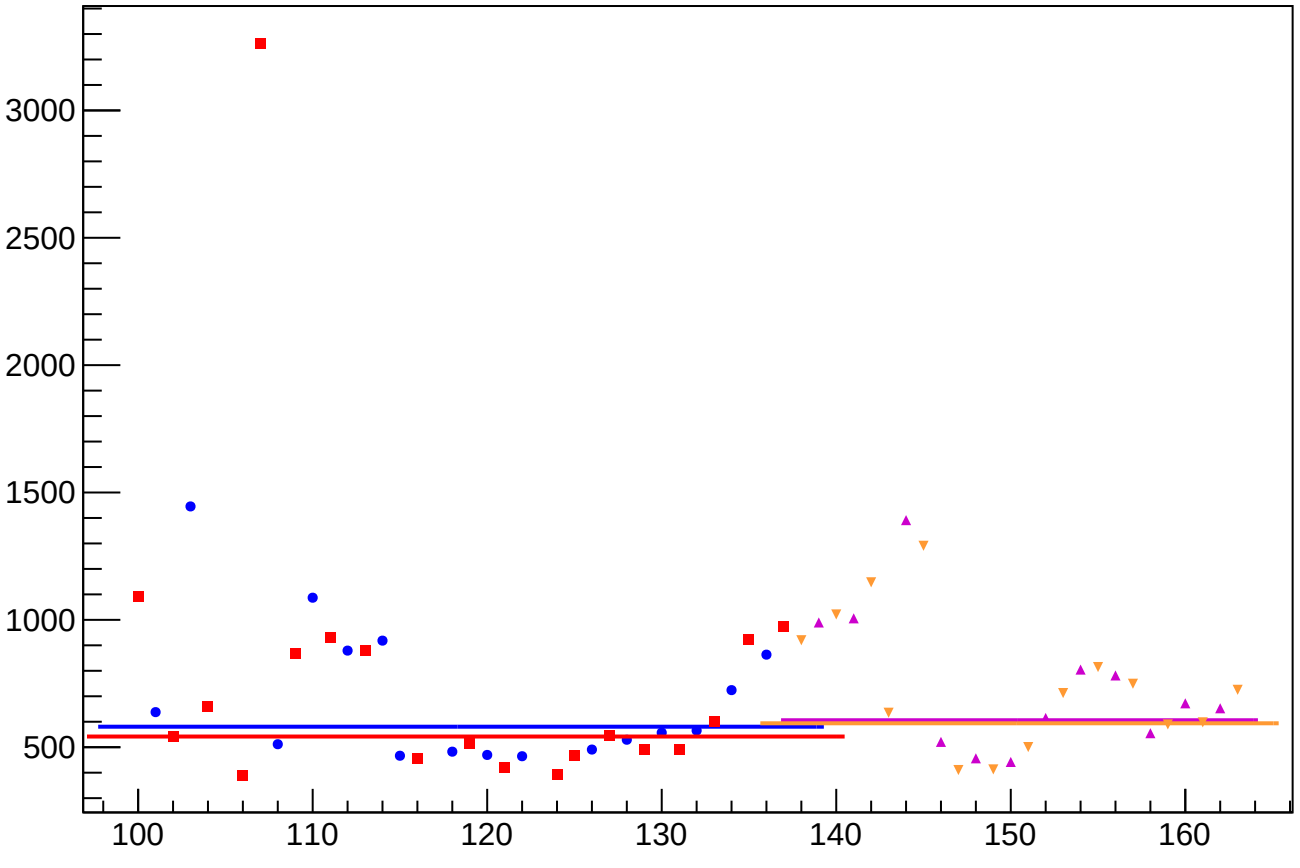
Left: -149.281+/-136.845 χ^2/NDF: 31.3/25

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 14.797+/-150.511 χ^2/NDF:23.0/27

Out: -267.313+/-143.724 χ^2/NDF:42.7/32

All: -132.762+/-103.945 χ^2/NDF: 67.6/60



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 593.904+/-0.133 χ^2/NDF:2116556.1/13

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.859+/-0.141 χ^2/NDF:1783177.8/11

Left: 599.569+/-0.097 χ^2/NDF: 3903539.2/25

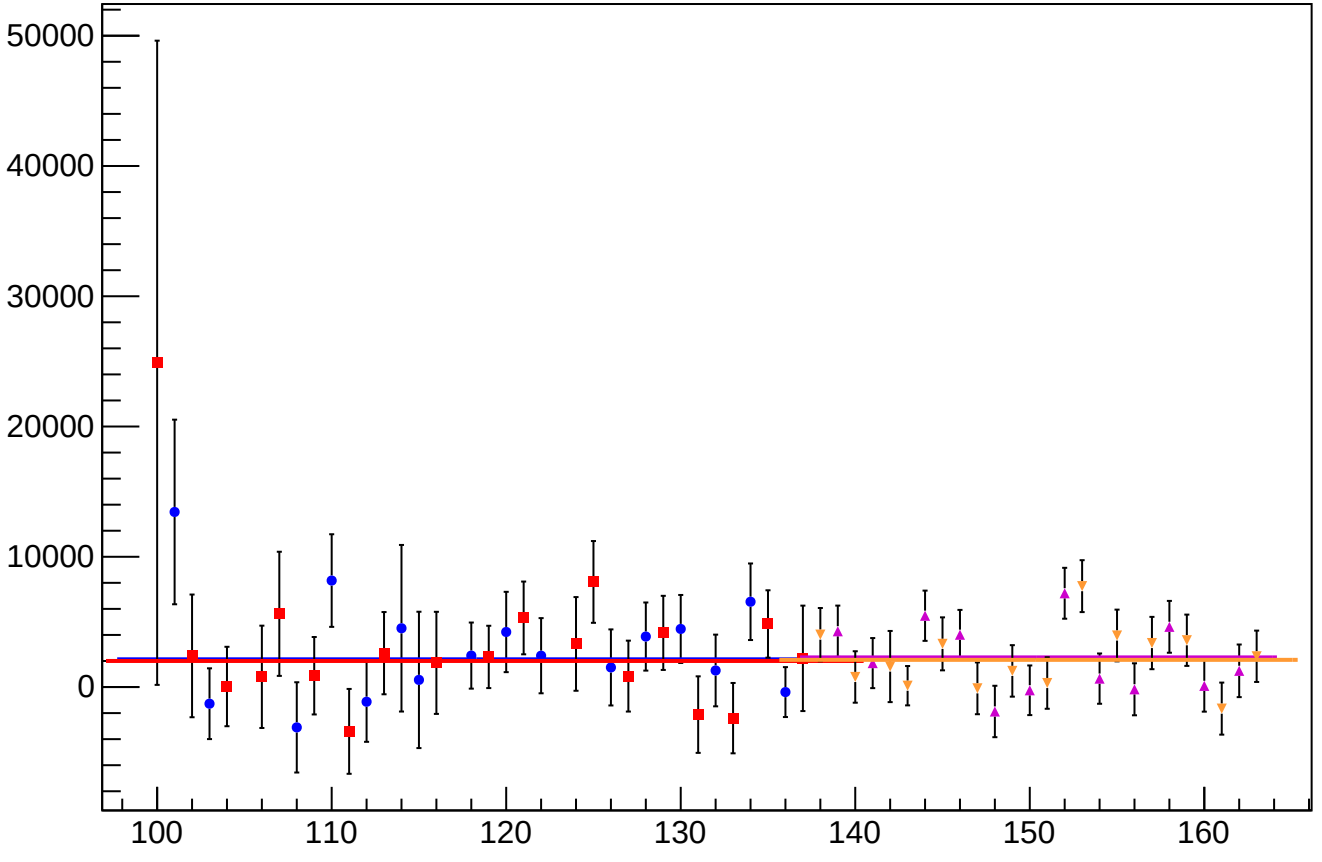
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 595.043+/-0.106 χ^2/NDF:2799947.4/27

Out: 572.100+/-0.102 χ^2/NDF:3499080.3/32

All: 583.043+/-0.074 χ^2/NDF: 6323335.3/60

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.679+/-527.460 χ^2/NDF:19.2/13

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2275.518+/-564.384 χ^2/NDF:22.3/11

Left: 2175.253+/-385.363 χ^2/NDF: 41.5/25

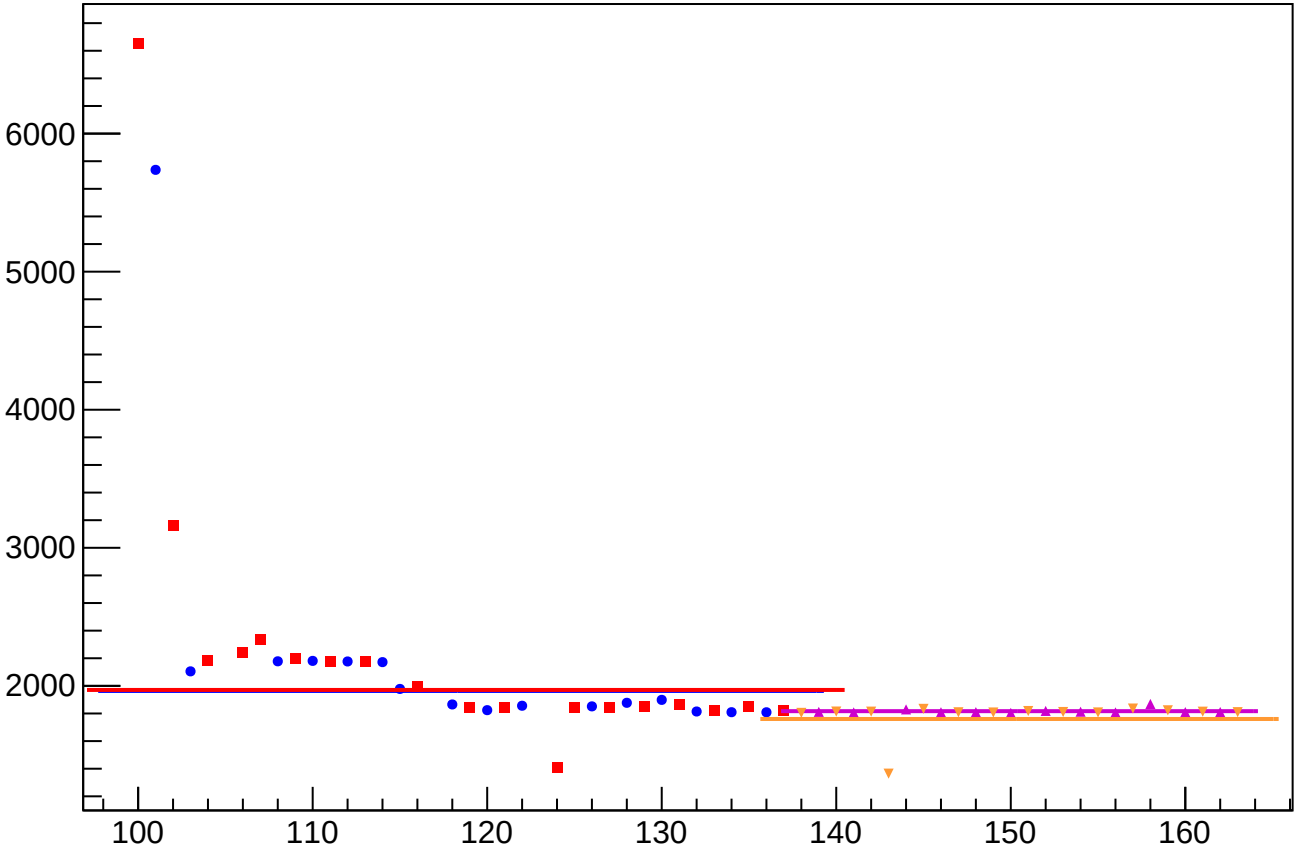
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2222.114+/-450.142 χ^2/NDF:38.8/27

Out: 2058.743+/-428.966 χ^2/NDF:35.9/32

All: 2136.495+/-310.541 χ^2/NDF: 74.8/60

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1816.813+/-0.399 χ^2/NDF:1751.9/11

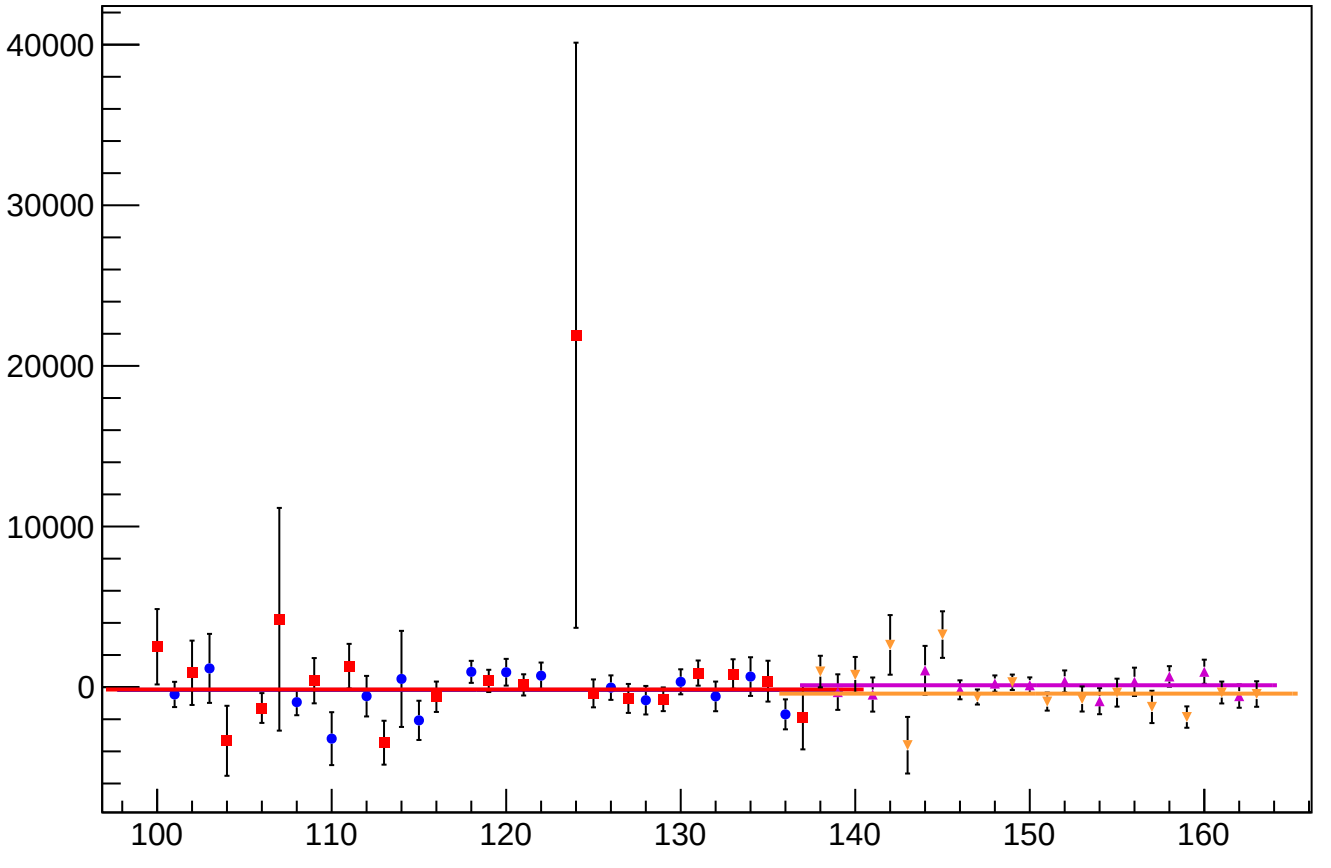
Left: 1786.601+/-0.272 χ^2/NDF: 169732.5/25

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1870.156+/-0.318 χ^2/NDF:691108.3/27

Out: 1831.402+/-0.303 χ^2/NDF:609970.8/32

All: 1849.846+/-0.220 χ^2/NDF: 1308847.9/60



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -404.475+/-200.512 χ^2/NDF:24.3/13

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 116.918+/-203.290 χ^2/NDF:5.6/11

Left: -147.366+/-142.755 χ^2/NDF: 33.2/25

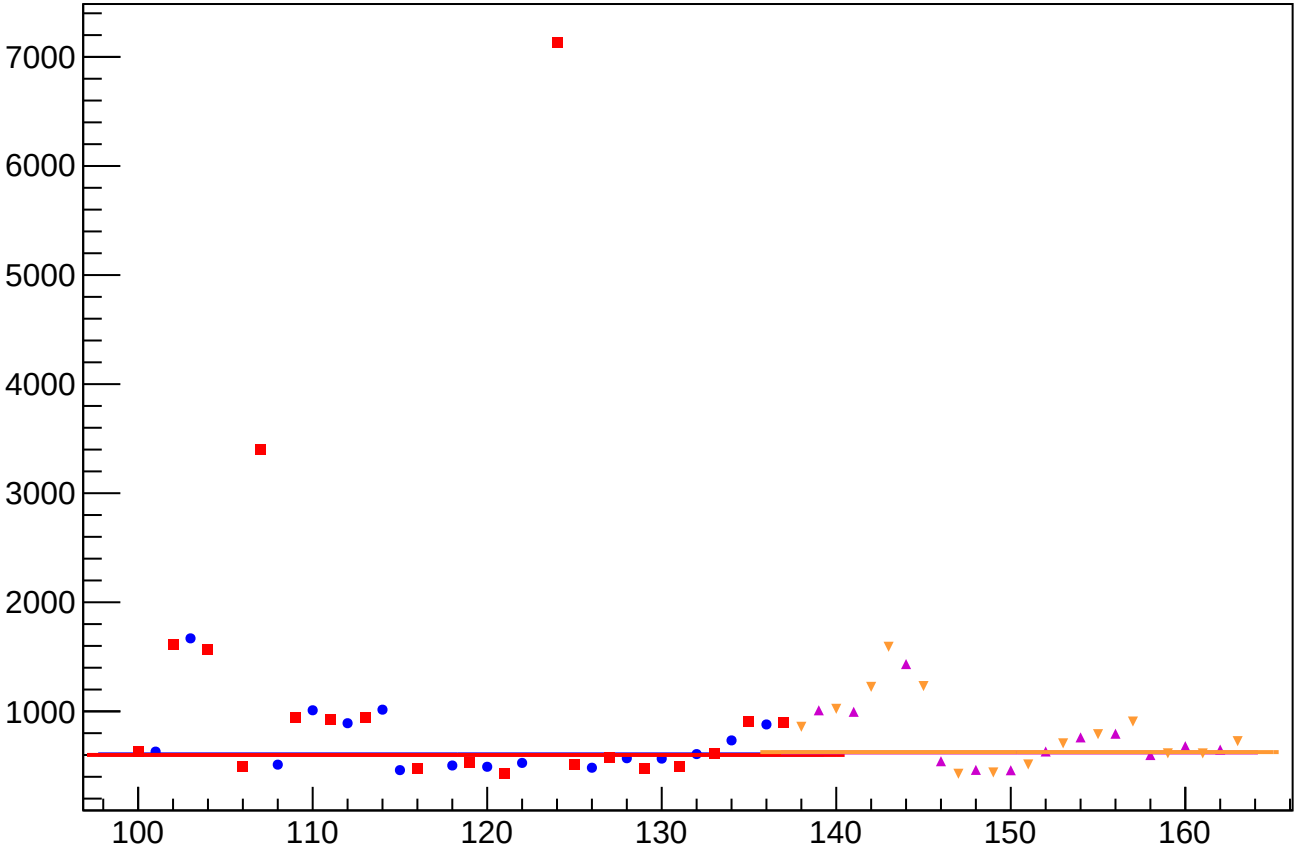
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -5.082+/-154.278 χ^2/NDF:23.7/27

Out: -300.300+/-154.619 χ^2/NDF:45.0/32

All: -152.365+/-109.211 χ^2/NDF: 70.6/60

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 626.414+/-0.142 χ^2/NDF:2537606.1/13

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 623.110+/-0.144 χ^2/NDF:1668630.5/11

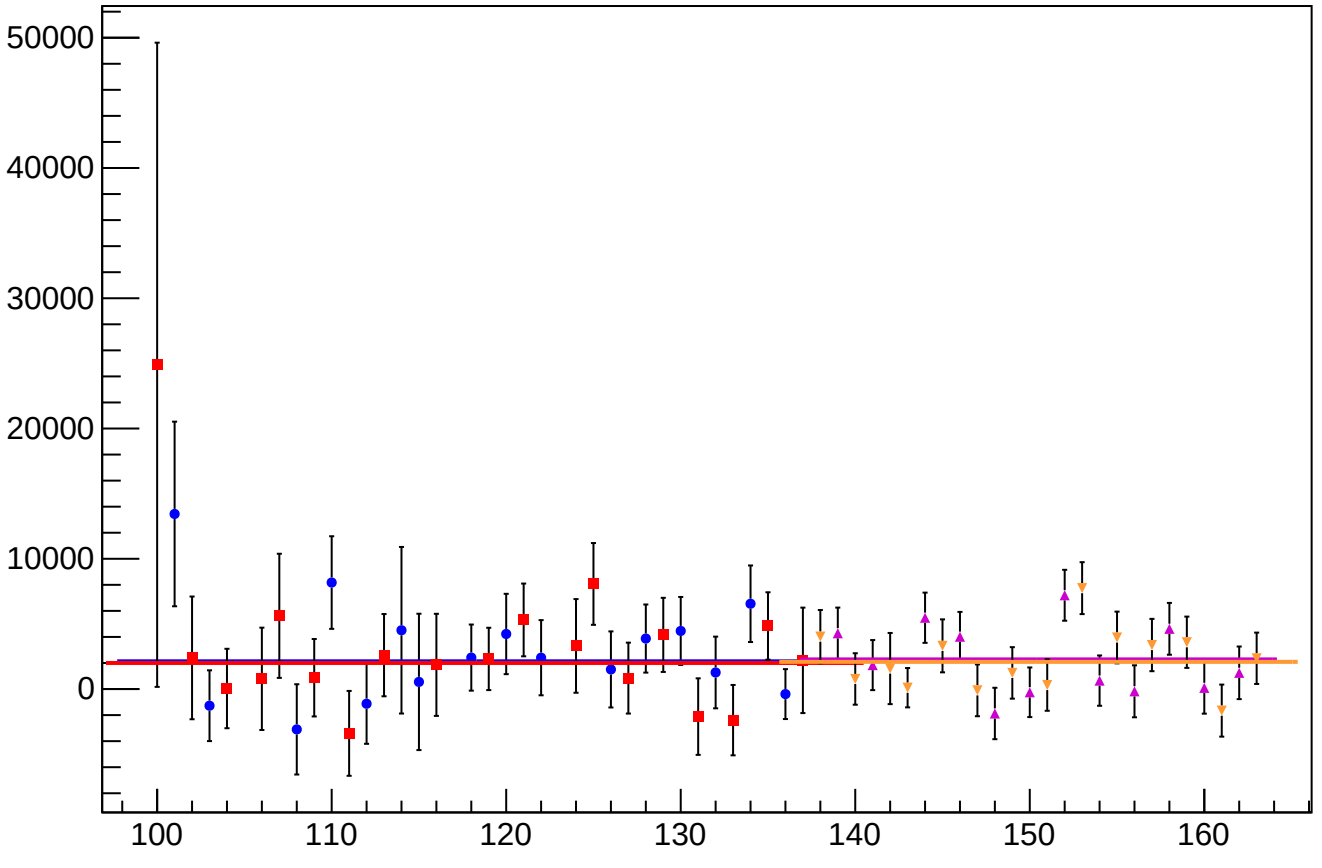
Left: 624.785+/-0.101 χ^2/NDF: 4206504.5/25

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 615.612+/-0.109 χ^2/NDF:2837500.0/27

Out: 615.888+/-0.109 χ^2/NDF:4879727.8/32

All: 615.750+/-0.077 χ^2/NDF: 7717230.9/60



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 2087.680+/-527.460 χ^2/NDF:19.2/13

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2275.518+/-564.384 χ^2/NDF:22.3/11

Left: 2175.254+/-385.363 χ^2/NDF: 41.5/25

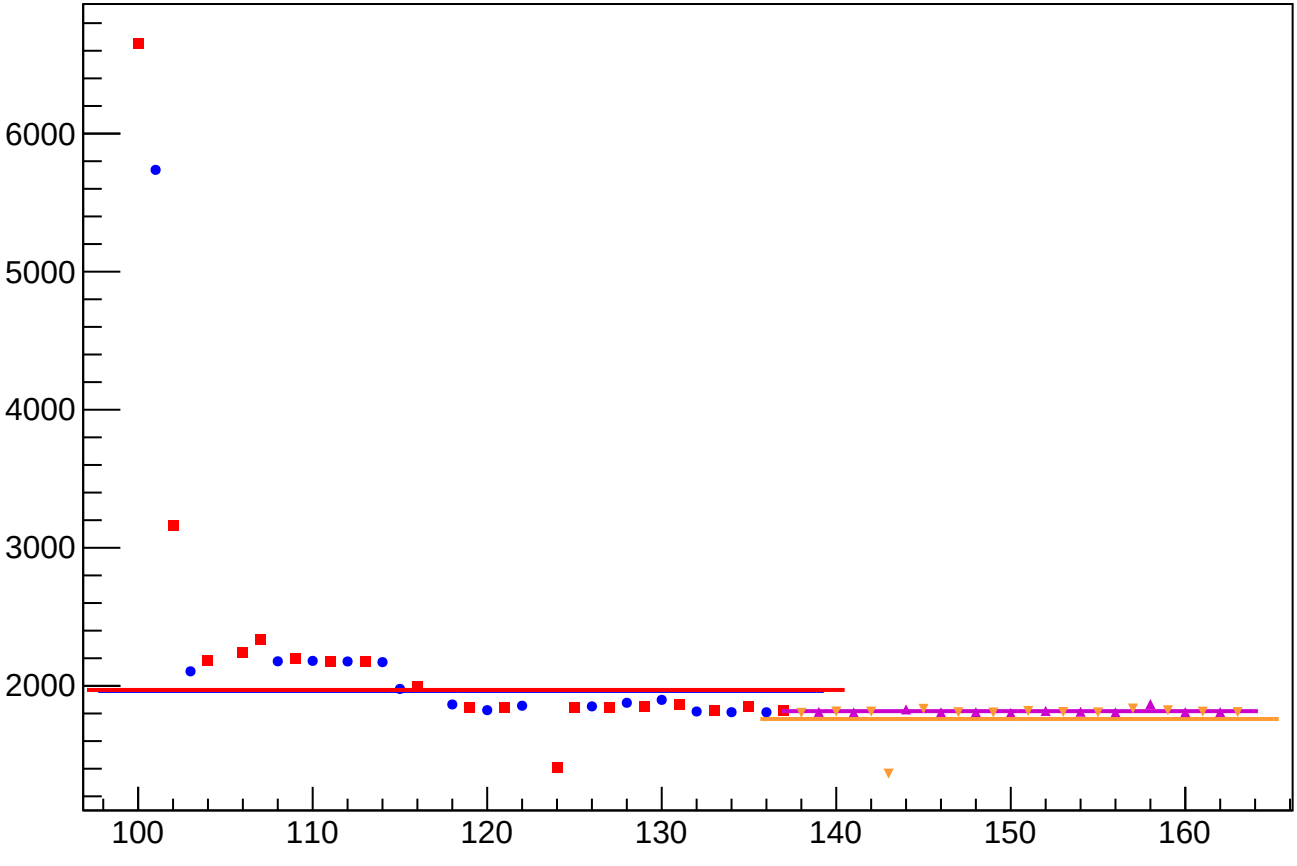
Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2222.113+/-450.142 χ^2/NDF:38.8/27

Out: 2058.743+/-428.966 χ^2/NDF:35.9/32

All: 2136.495+/-310.541 χ^2/NDF: 74.8/60

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1760.214+/-0.373 χ^2/NDF:157244.1/13

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1816.813+/-0.399 χ^2/NDF:1751.9/11

Left: 1786.601+/-0.272 χ^2/NDF: 169732.4/25

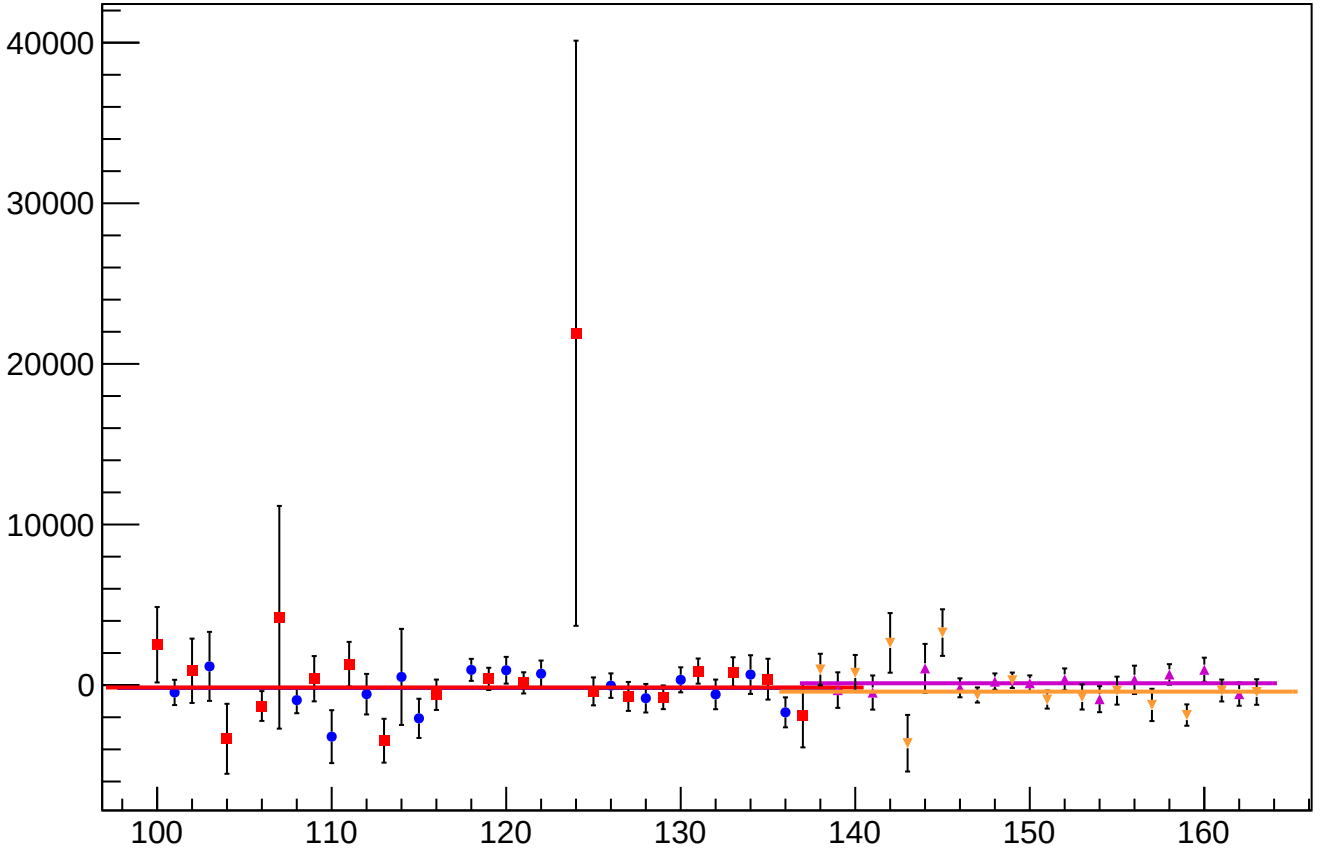
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1870.156+/-0.318 χ^2/NDF:691107.8/27

Out: 1831.402+/-0.303 χ^2/NDF:609969.2/32

All: 1849.846+/-0.220 χ^2/NDF: 1308845.8/60

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -404.476+/-200.512 χ^2/NDF:24.3/13

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 116.918+/-203.290 χ^2/NDF:5.6/11

Left: -147.366+/-142.755 χ^2/NDF: 33.2/25

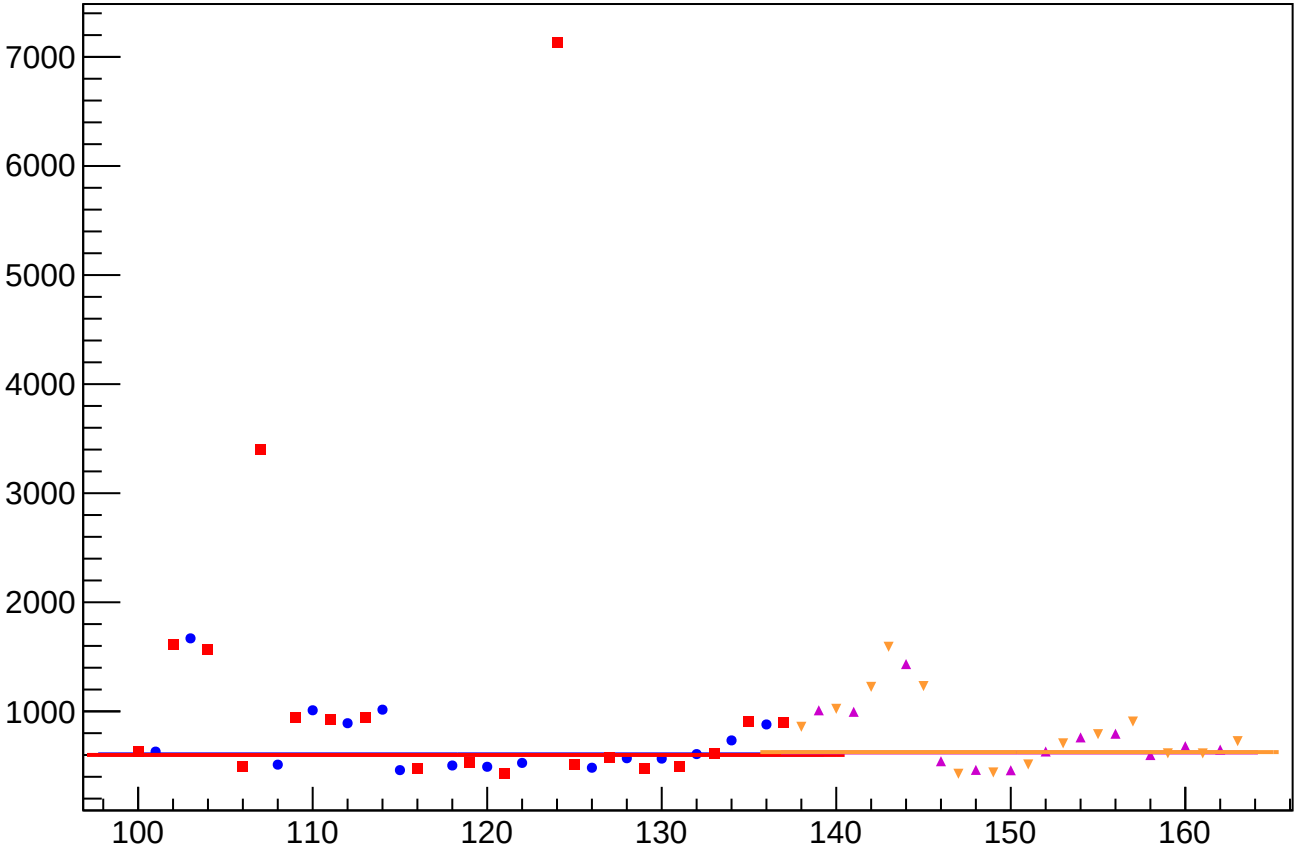
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -5.082+/-154.278 χ^2/NDF:23.7/27

Out: -300.300+/-154.619 χ^2/NDF:45.0/32

All: -152.365+/-109.211 χ^2/NDF: 70.6/60

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: 626.415+/-0.142 χ^2/NDF:2537597.8/13

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 623.111+/-0.144 χ^2/NDF:1668625.2/11

Left: 624.786+/-0.101 χ^2/NDF: 4206490.9/25

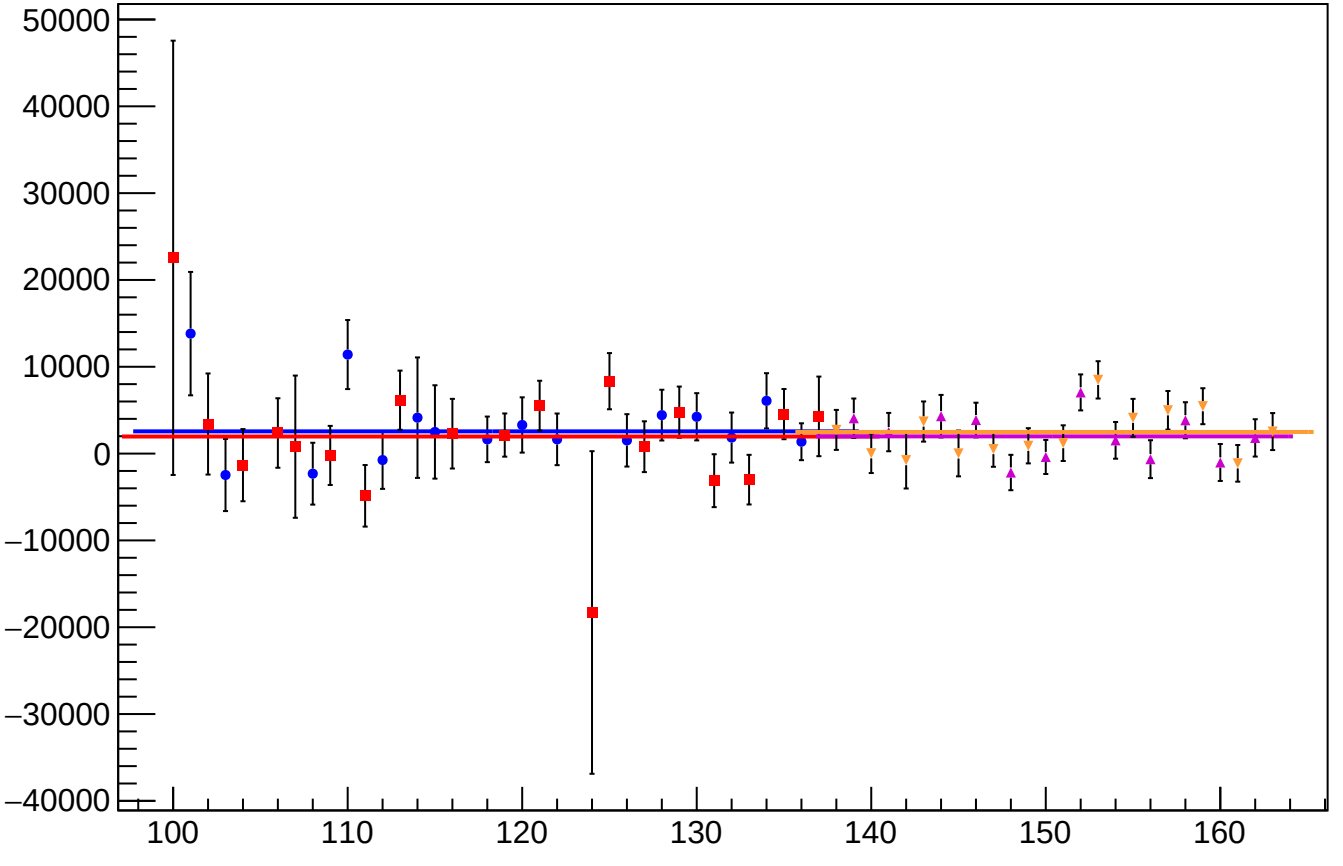
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 615.612+/-0.109 χ^2/NDF:2837504.0/27

Out: 615.888+/-0.109 χ^2/NDF:4879729.5/32

All: 615.750+/-0.077 χ^2/NDF: 7717236.7/60

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2492.281+/-594.088 χ^2/NDF:19.9/13

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1982.254+/-614.191 χ^2/NDF:18.6/11

Left: 2245.751+/-427.014 χ^2/NDF: 38.8/25

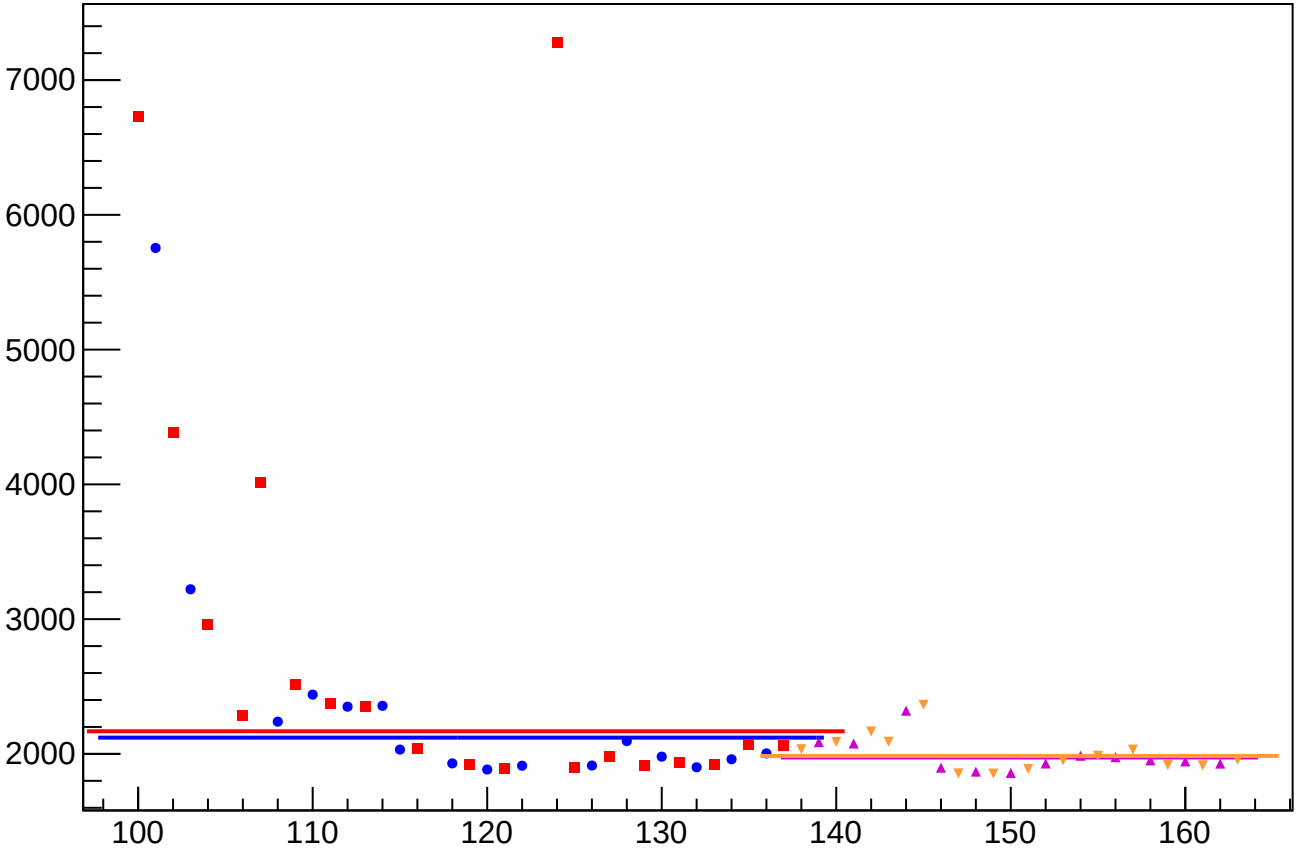
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2193.635+/-489.330 χ^2/NDF:33.5/27

Out: 2311.041+/-480.860 χ^2/NDF:41.7/32

All: 2253.363+/-342.975 χ^2/NDF: 75.3/60

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1984.709+/-0.420 χ^2/NDF:83601.4/13

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1973.254+/-0.434 χ^2/NDF:67108.3/11

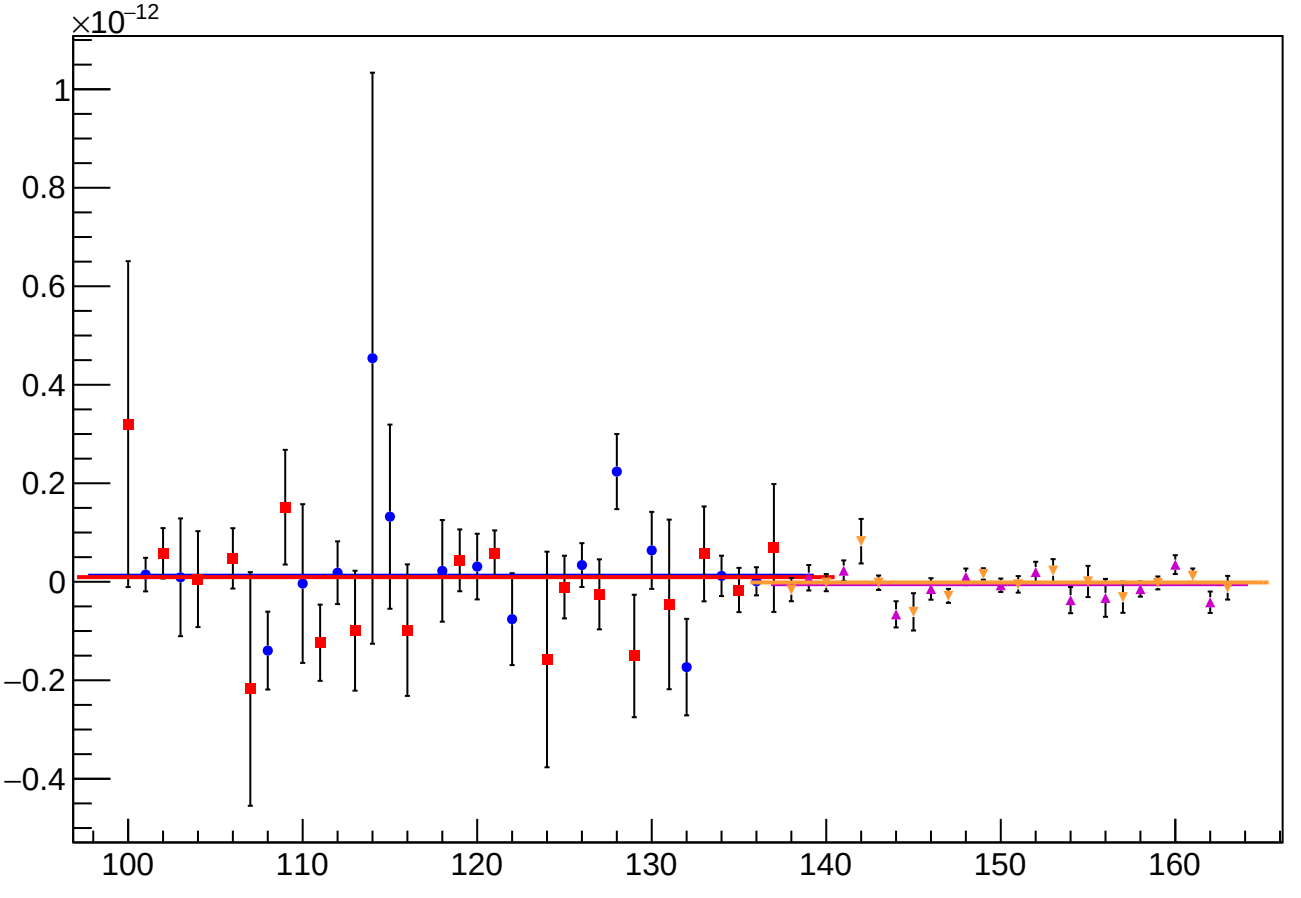
Left: 1979.172+/-0.302 χ^2/NDF: 151069.1/25

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2027.138+/-0.346 χ^2/NDF:869222.5/27

Out: 2047.863+/-0.340 χ^2/NDF:973064.9/32

All: 2037.682+/-0.243 χ^2/NDF: 1844112.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/11

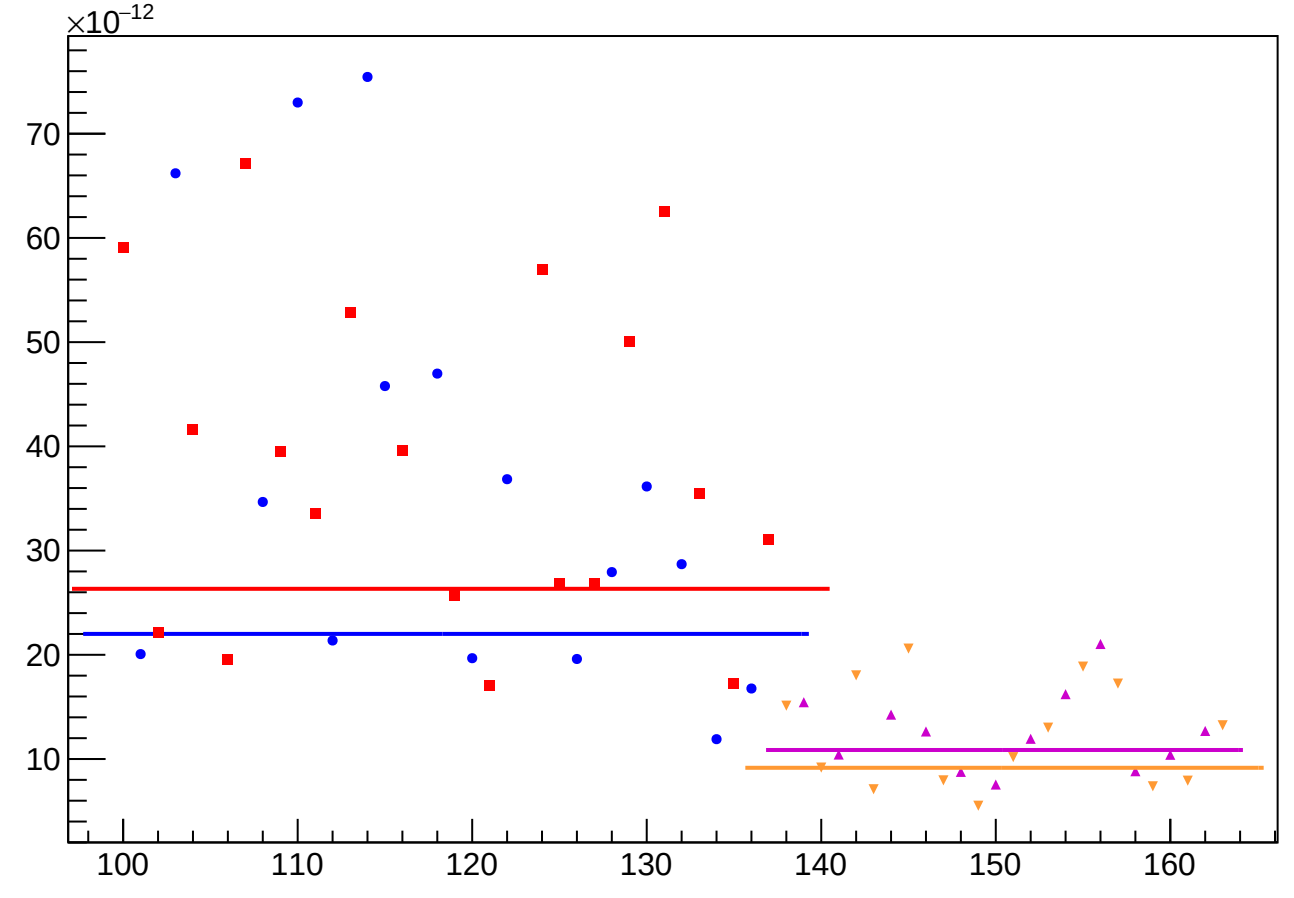
Left: -0.000+/-0.000 χ^2/NDF: 34.7/25

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:38.3/27

Out: -0.000+/-0.000 χ^2/NDF:29.3/32

All: -0.000+/-0.000 χ^2/NDF: 67.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 1032604.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1124599.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 705211.2/18

Left In: 0.000+/-0.000 χ^2/NDF:535902.4/11

Left: 0.000+/-0.000 χ^2/NDF: 1762778.4/25

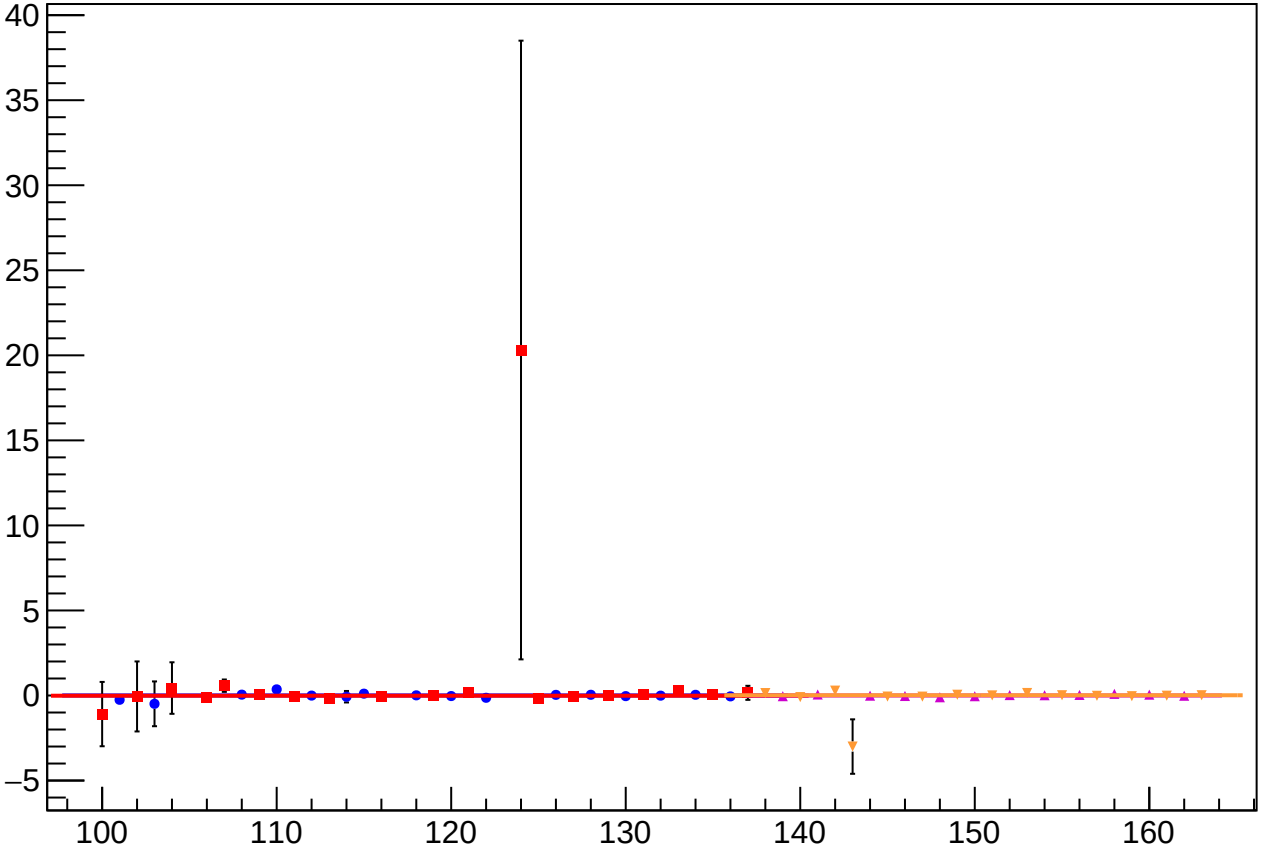
Right: 0.000+/-0.000 χ^2/NDF: 1806874.5/34

In: 0.000+/-0.000 χ^2/NDF:2558517.9/27

Out: 0.000+/-0.000 χ^2/NDF:3521625.0/32

All: 0.000+/-0.000 χ^2/NDF: 6244855.9/60

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.016 χ^2/NDF:12.2/11

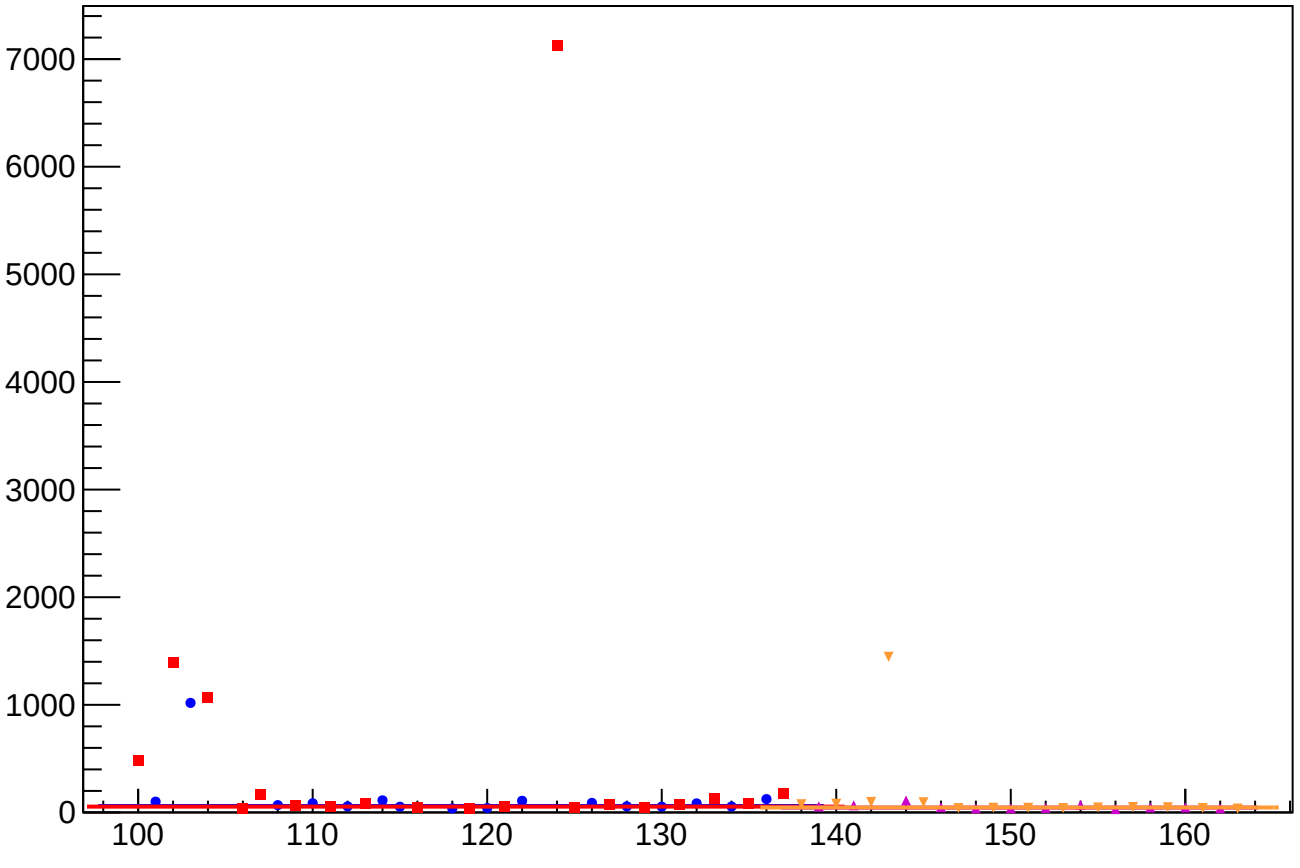
Left: 0.007+/-0.011 χ^2/NDF: 35.3/25

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.001+/-0.014 χ^2/NDF:23.6/27

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.8/60



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815021.8/13

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.045+/-0.011 χ^2/NDF:1362574.6/11

Left: 45.592+/-0.008 χ^2/NDF: 4182463.9/25

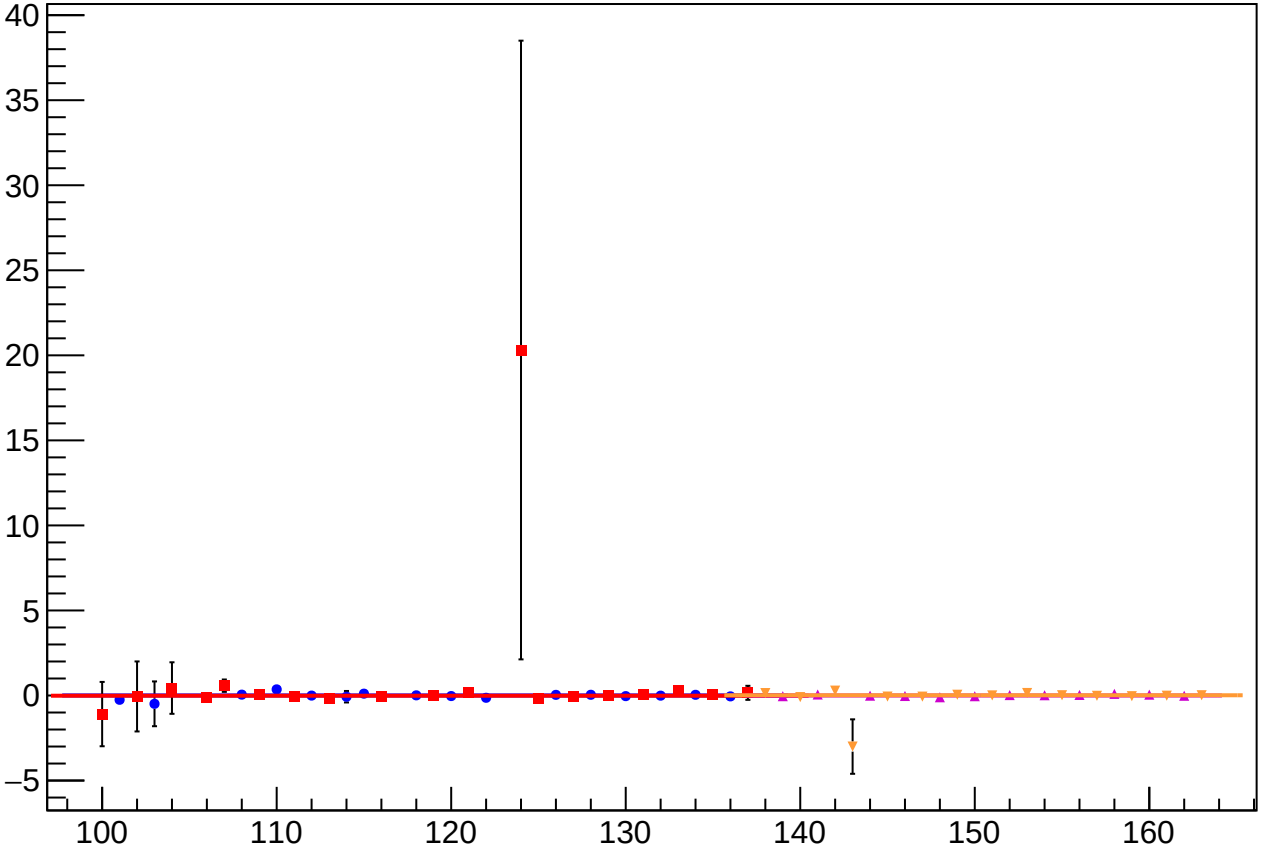
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.889+/-0.010 χ^2/NDF:4355372.1/27

Out: 48.427+/-0.010 χ^2/NDF:6478001.8/32

All: 48.658+/-0.007 χ^2/NDF: 10834521.9/60

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.016 χ^2/NDF:12.2/11

Left: 0.007+/-0.011 χ^2/NDF: 35.3/25

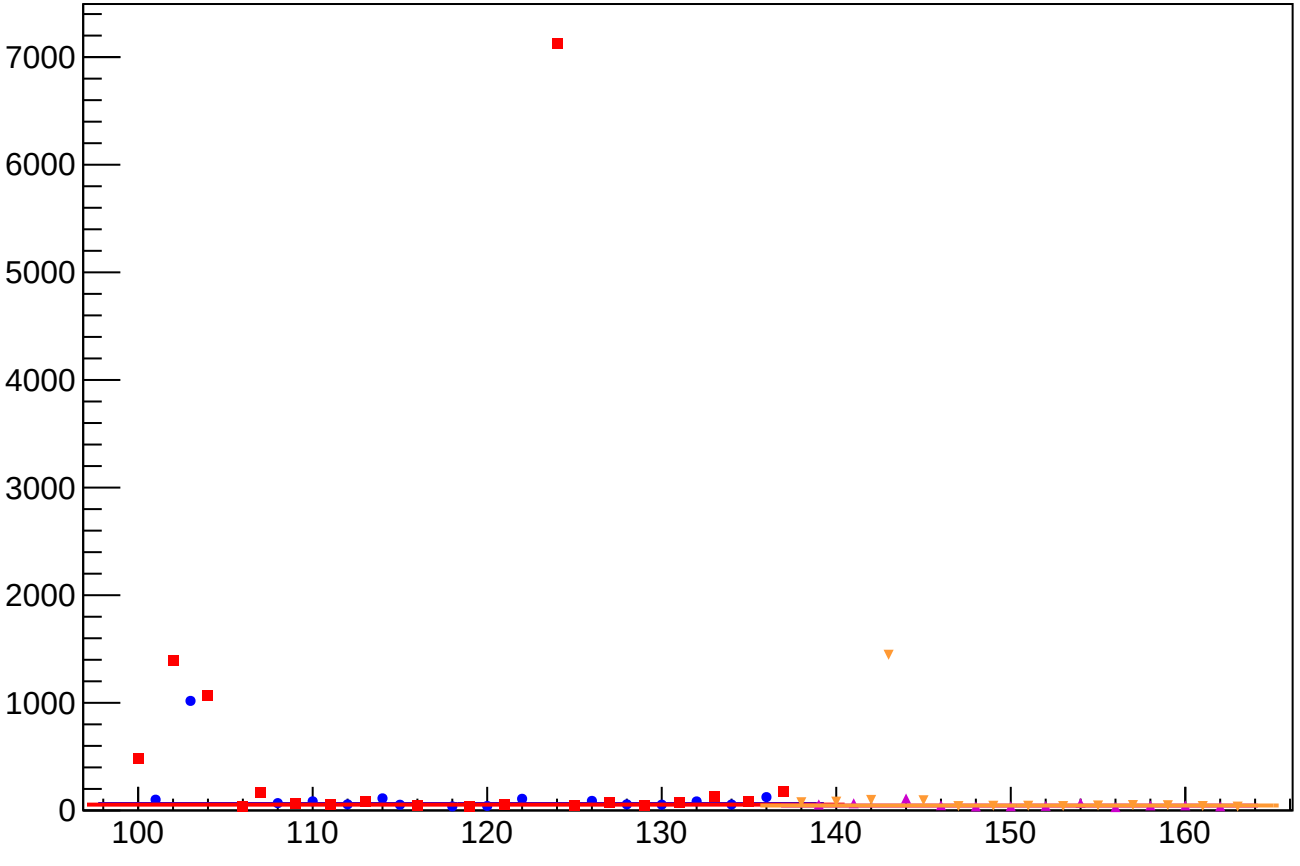
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.001+/-0.014 χ^2/NDF:23.6/27

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.8/60

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: 46.159+/-0.011 χ^2/NDF:2815021.8/13

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.045+/-0.011 χ^2/NDF:1362574.6/11

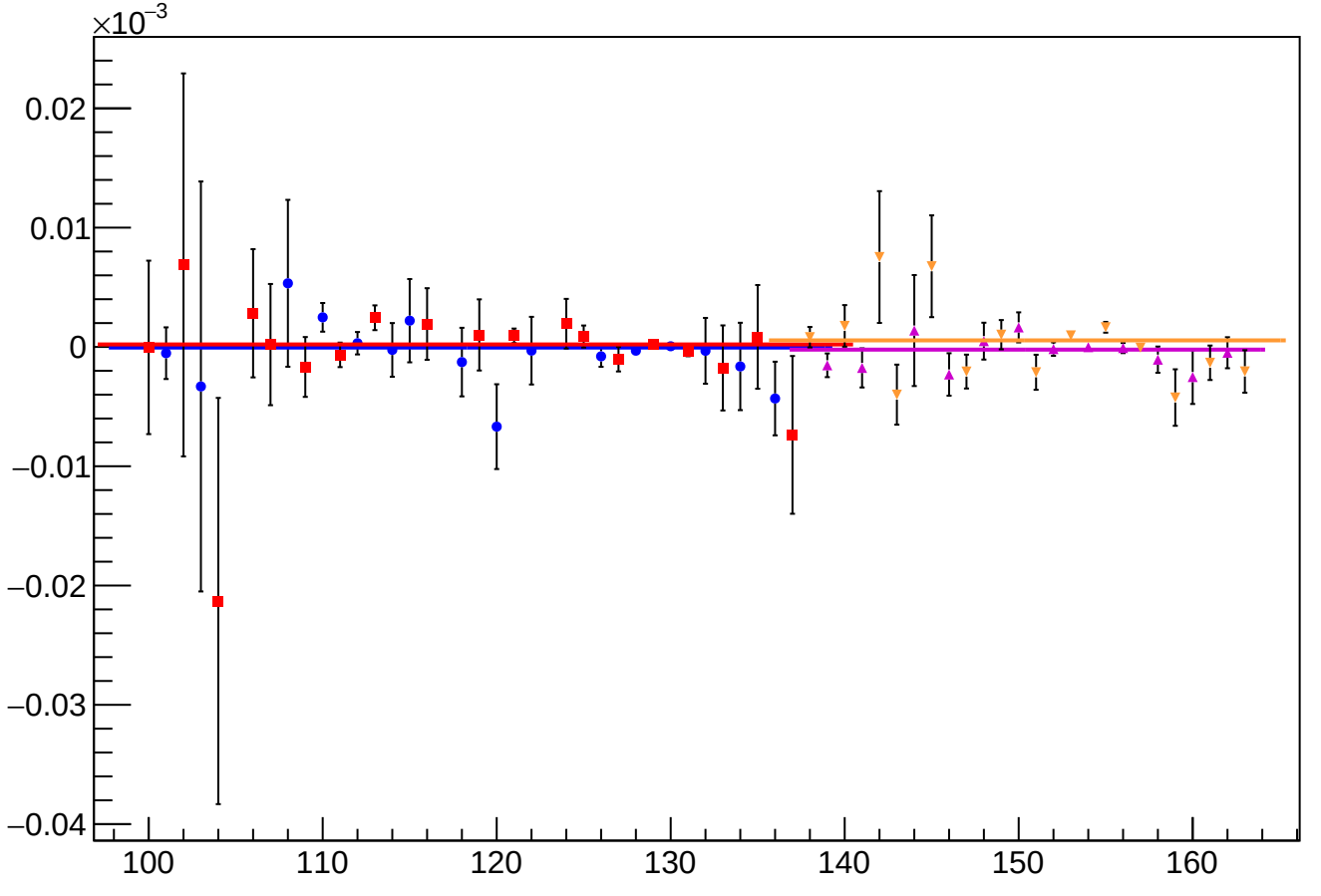
Left: 45.592+/-0.008 χ^2/NDF: 4182463.9/25

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.889+/-0.010 χ^2/NDF:4355372.1/27

Out: 48.427+/-0.010 χ^2/NDF:6478001.8/32

All: 48.658+/-0.007 χ^2/NDF: 10834521.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/11

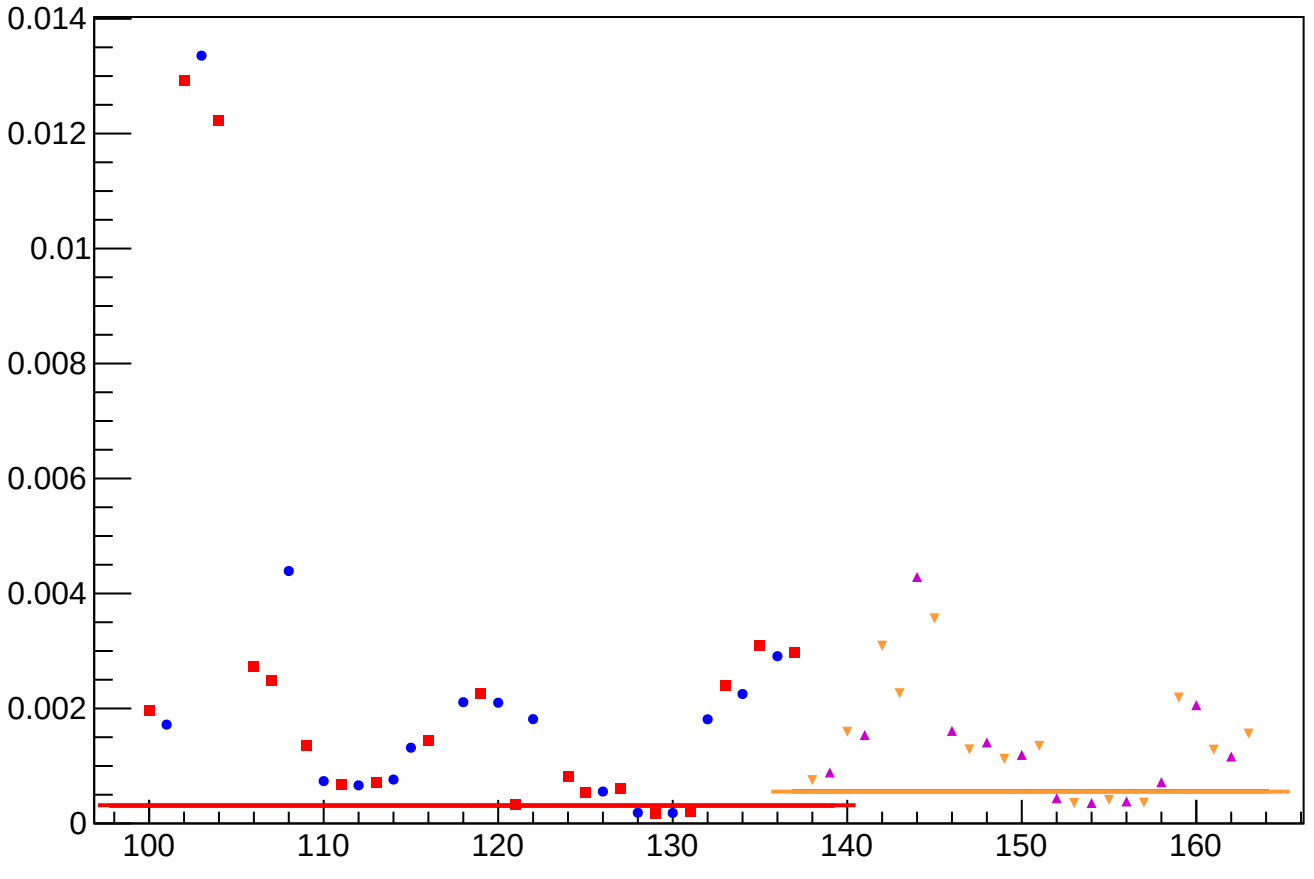
Left: 0.000+/-0.000 χ^2/NDF: 46.7/25

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:21.7/27

Out: 0.000+/-0.000 χ^2/NDF:48.8/32

All: 0.000+/-0.000 χ^2/NDF: 76.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:7997067.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:6381807.4/11

Left: 0.001+/-0.000 χ^2/NDF: 14379414.8/25

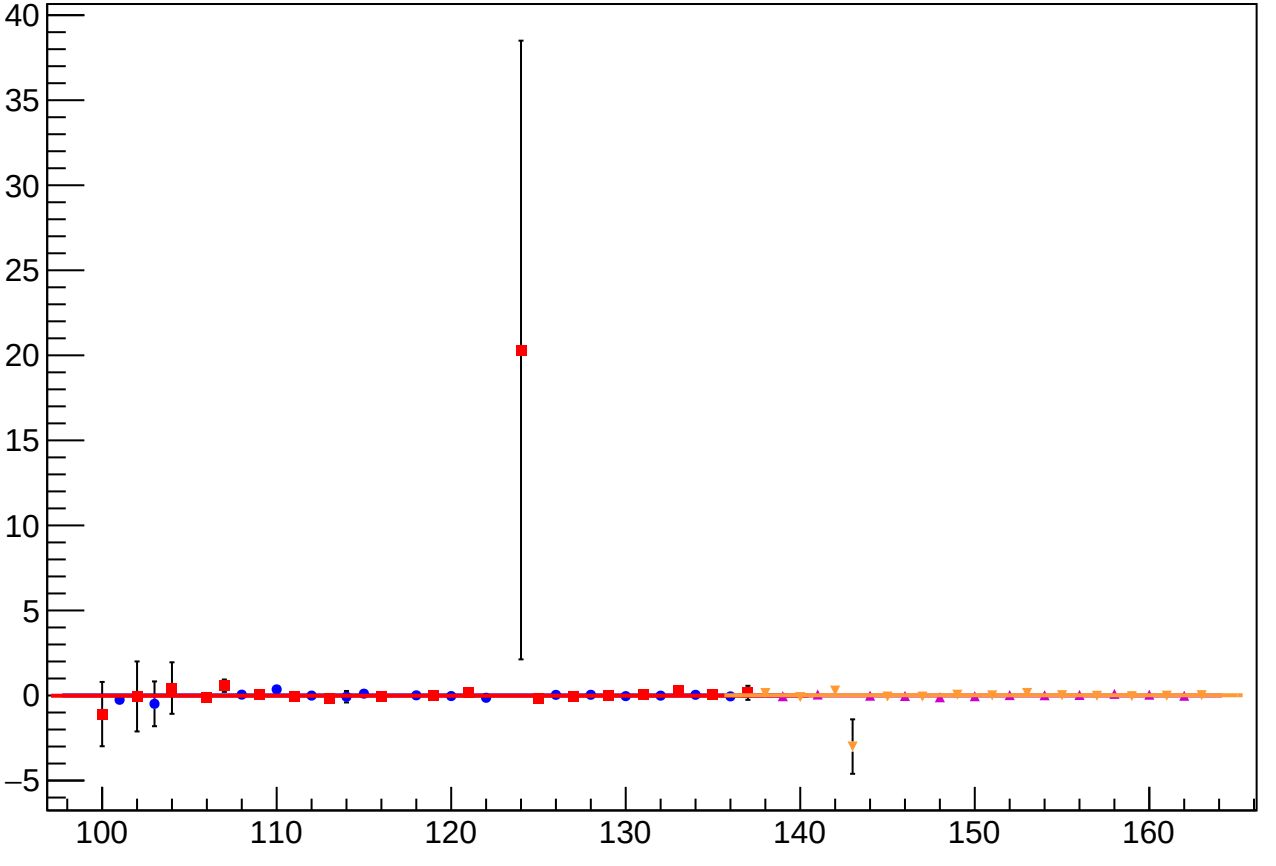
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:16569560.8/27

Out: 0.000+/-0.000 χ^2/NDF:17373521.1/32

All: 0.000+/-0.000 χ^2/NDF: 33946801.7/60

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.016 χ^2/NDF:12.2/11

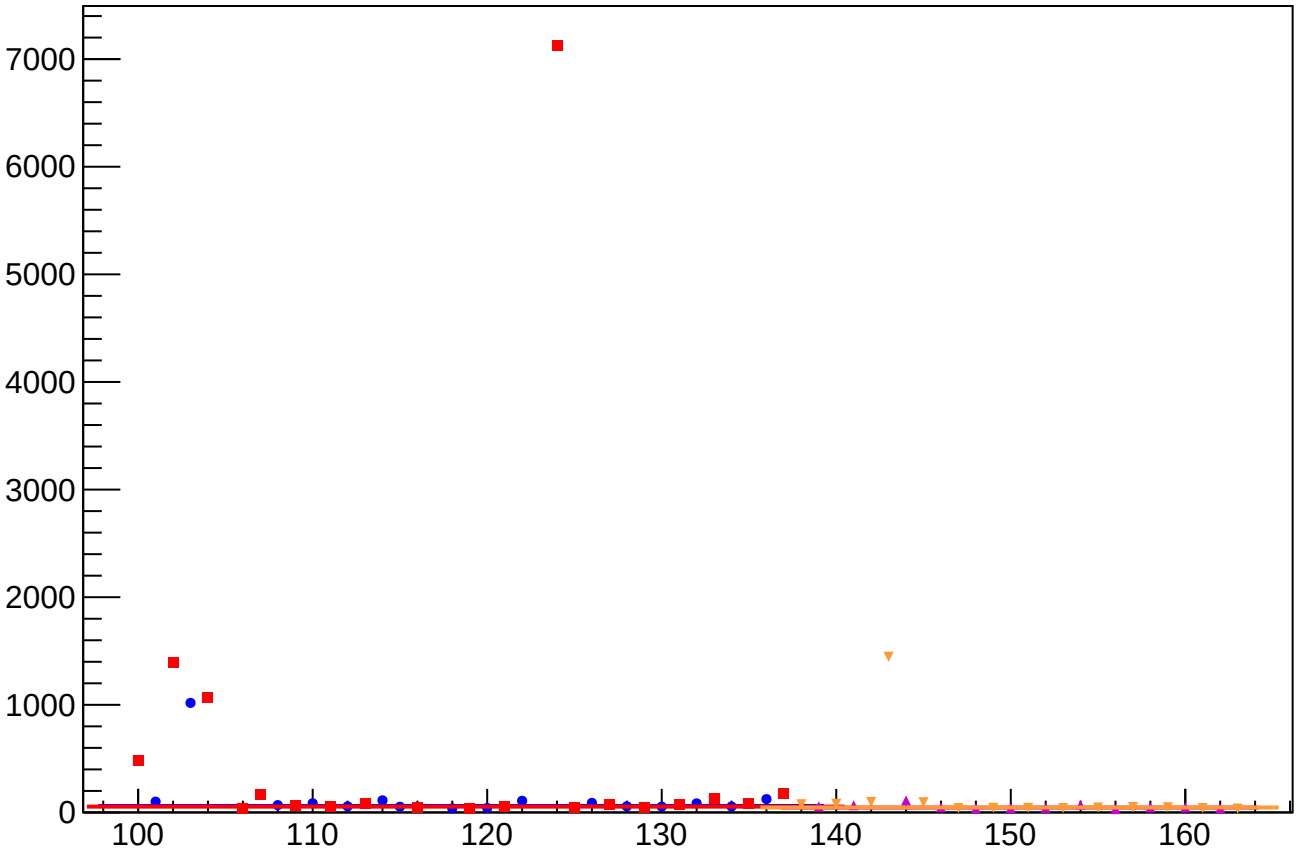
Left: 0.007+/-0.011 χ^2/NDF: 35.3/25

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.001+/-0.014 χ^2/NDF:23.6/27

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.8/60



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.159+/-0.011 χ^2/NDF:2815006.0/13

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.045+/-0.011 χ^2/NDF:1362582.7/11

Left: 45.592+/-0.008 χ^2/NDF: 4182458.0/25

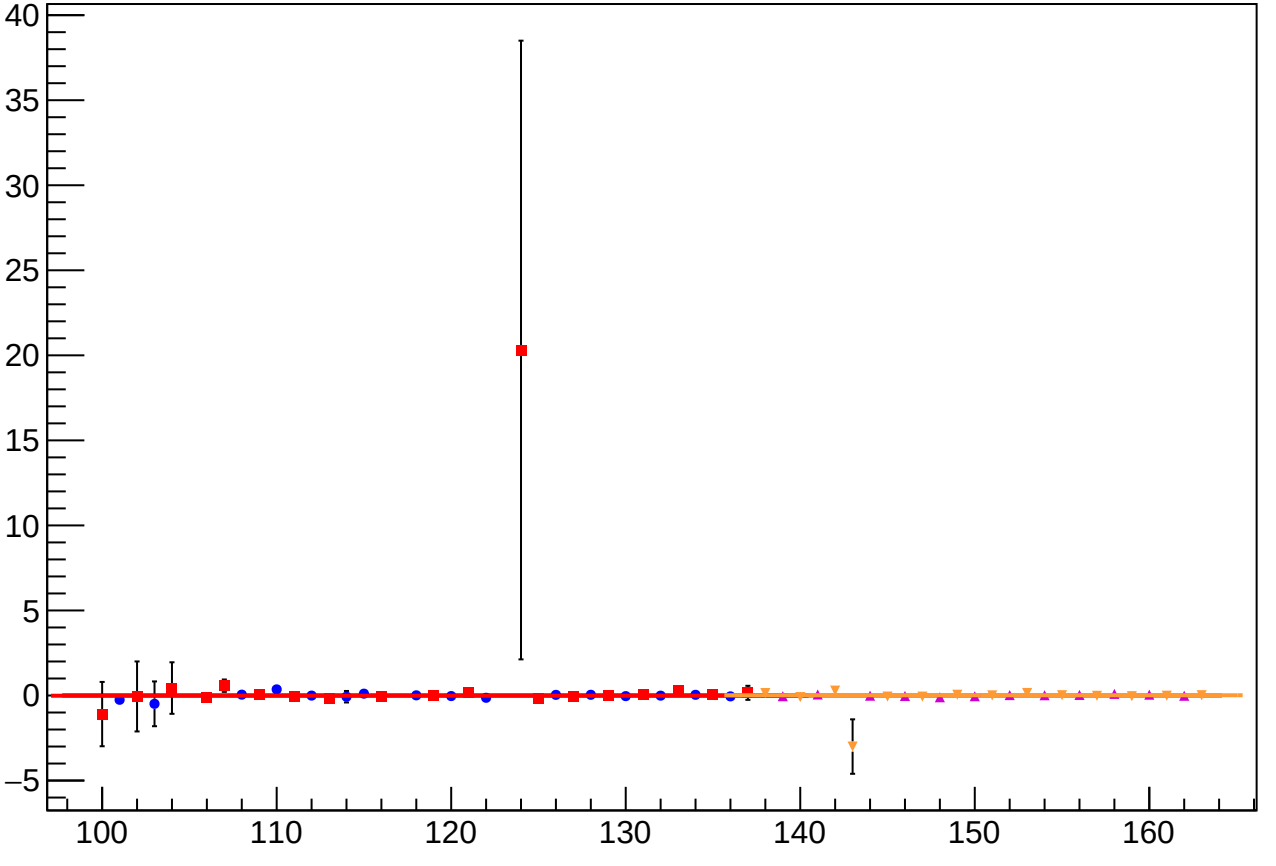
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.889+/-0.010 χ^2/NDF:4355384.7/27

Out: 48.426+/-0.010 χ^2/NDF:6478005.2/32

All: 48.658+/-0.007 χ^2/NDF: 10834538.1/60

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: 0.014+/-0.016 χ^2/NDF:22.7/13

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.016 χ^2/NDF:12.2/11

Left: 0.007+/-0.011 χ^2/NDF: 35.3/25

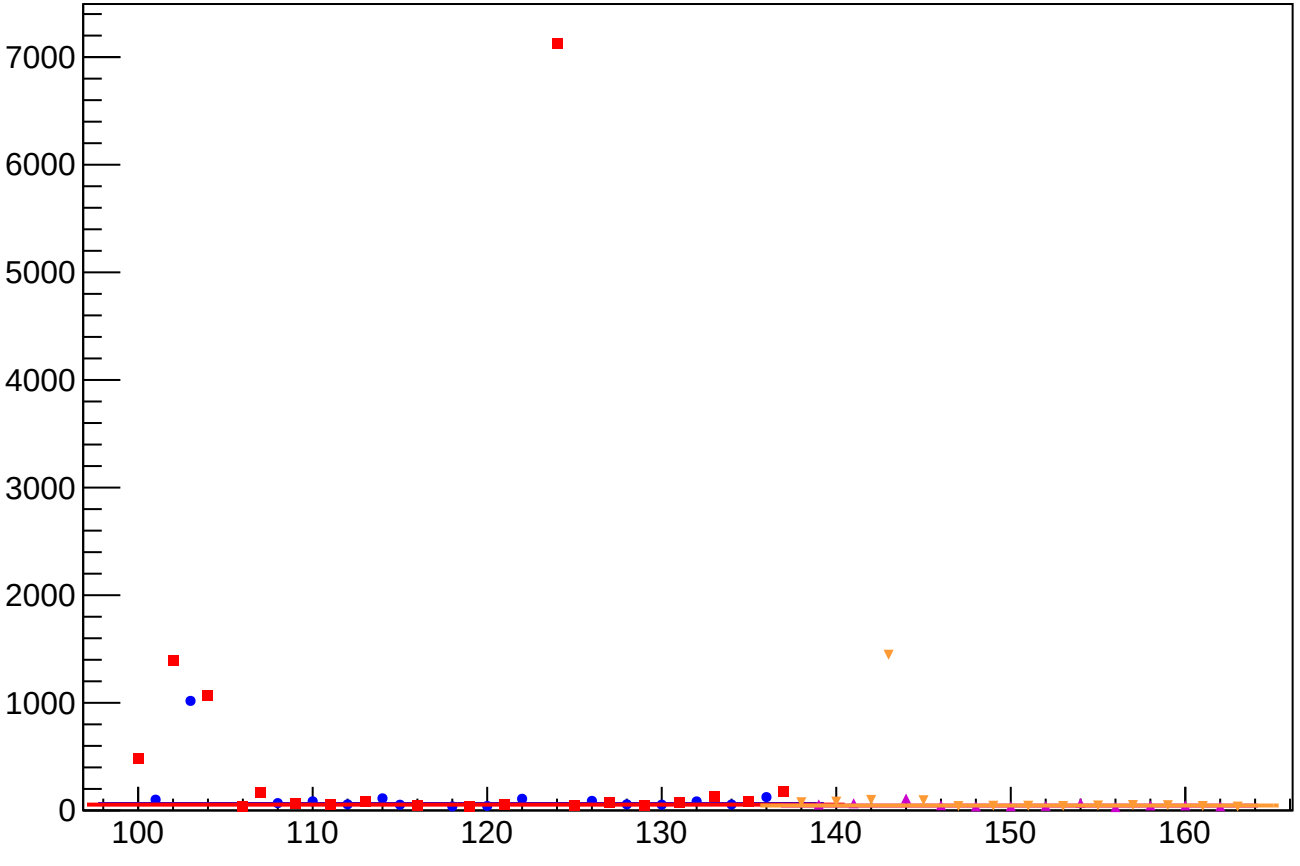
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: 0.001+/-0.014 χ^2/NDF:23.6/27

Out: 0.007+/-0.014 χ^2/NDF:41.1/32

All: 0.004+/-0.010 χ^2/NDF: 64.8/60

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: 46.159+/-0.011 χ^2/NDF:2815006.0/13

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.045+/-0.011 χ^2/NDF:1362582.7/11

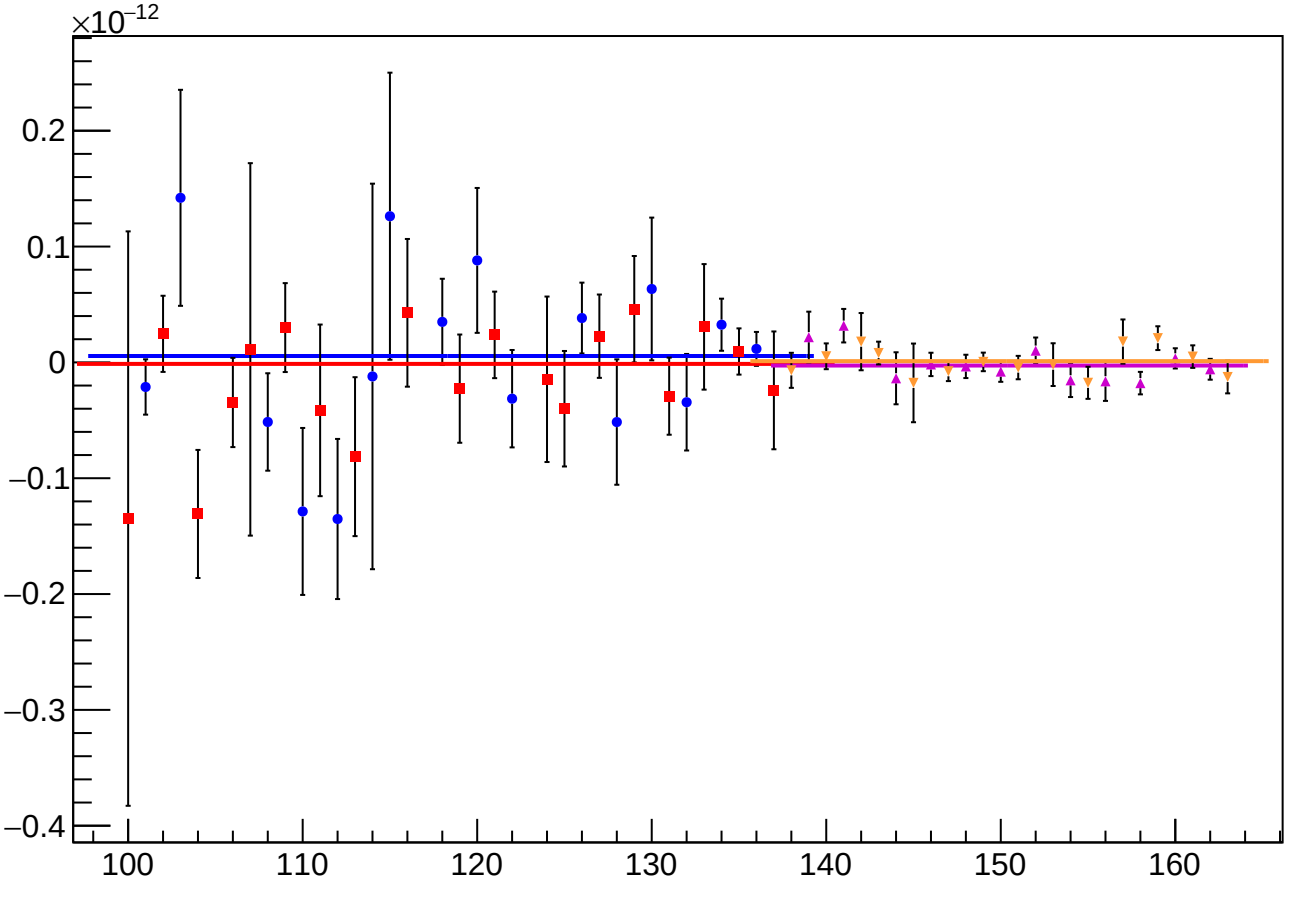
Left: 45.592+/-0.008 χ^2/NDF: 4182458.0/25

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.889+/-0.010 χ^2/NDF:4355384.7/27

Out: 48.426+/-0.010 χ^2/NDF:6478005.2/32

All: 48.658+/-0.007 χ^2/NDF: 10834538.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/11

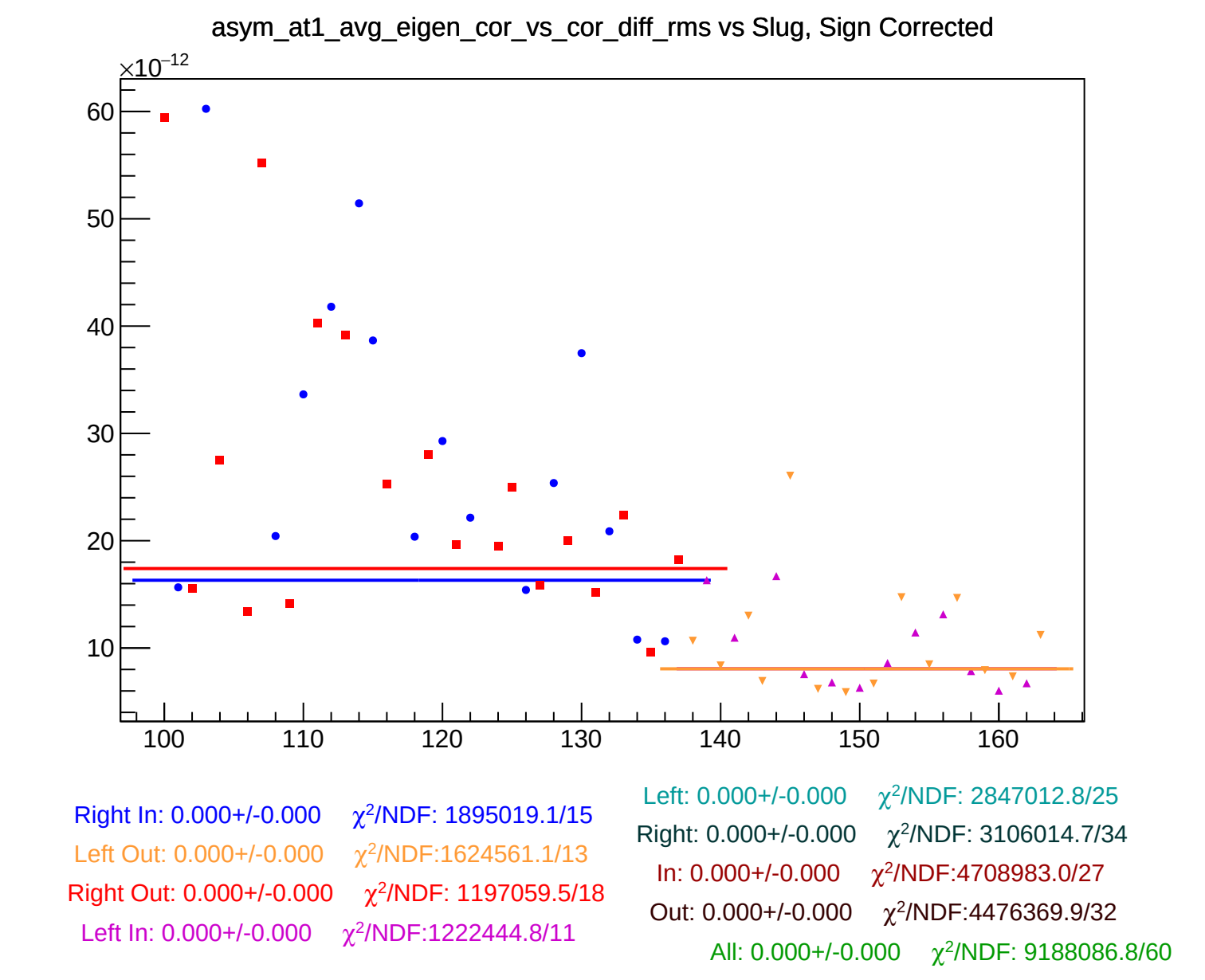
Left: -0.000+/-0.000 χ^2/NDF: 24.5/25

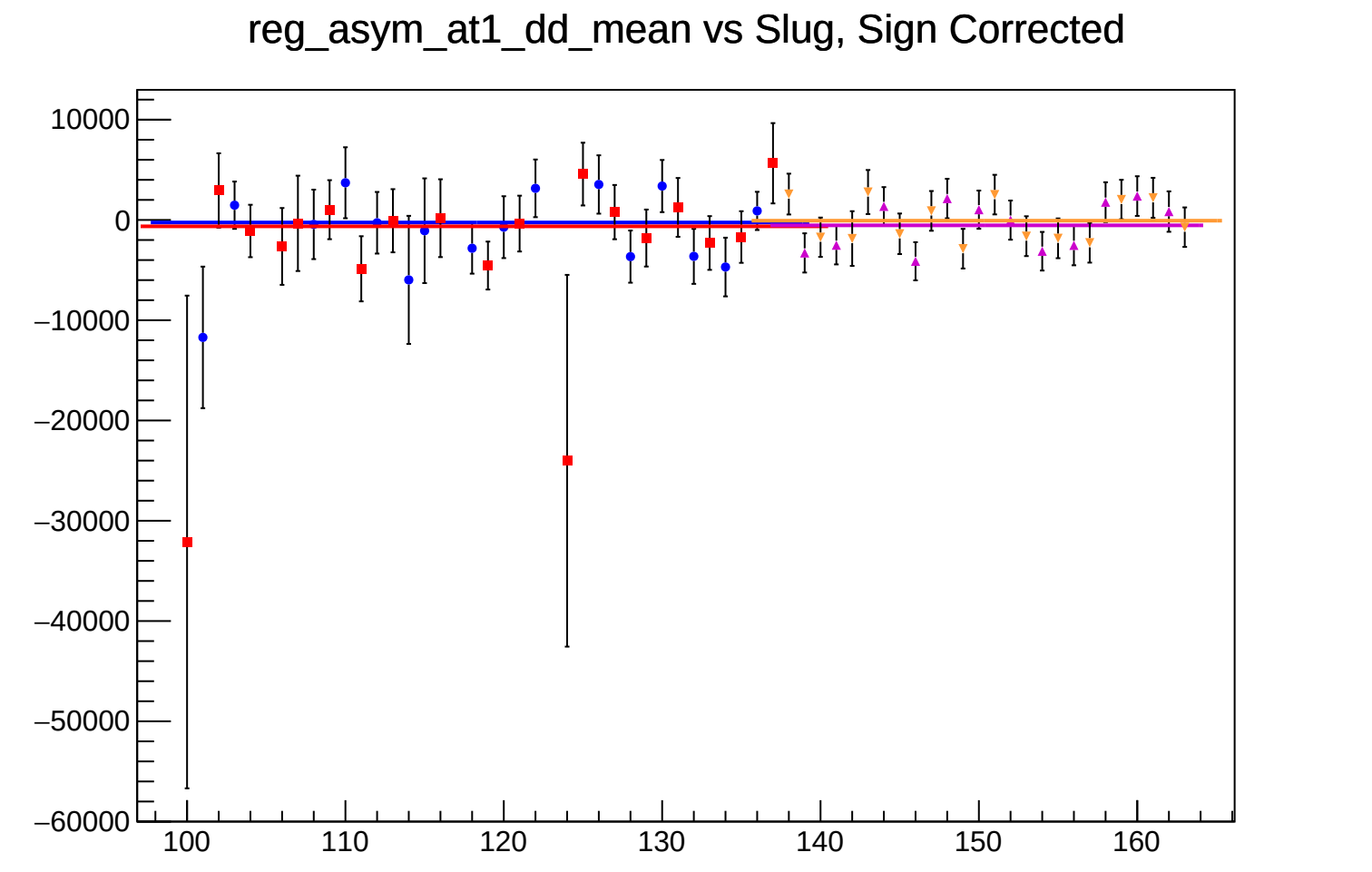
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:36.7/27

Out: 0.000+/-0.000 χ^2/NDF:24.9/32

All: -0.000+/-0.000 χ^2/NDF: 61.9/60


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1624561.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1222444.8/11
Left: 0.000+/-0.000 χ²/NDF: 2847012.8/25
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4708983.0/27
Out: 0.000+/-0.000 χ²/NDF:4476369.9/32
All: 0.000+/-0.000 χ²/NDF: 9188086.8/60



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -72.265+/-543.586 χ^2/NDF:14.1/13

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -538.510+/-562.969 χ^2/NDF:17.0/11

Left: -297.224+/-391.046 χ^2/NDF: 31.4/25

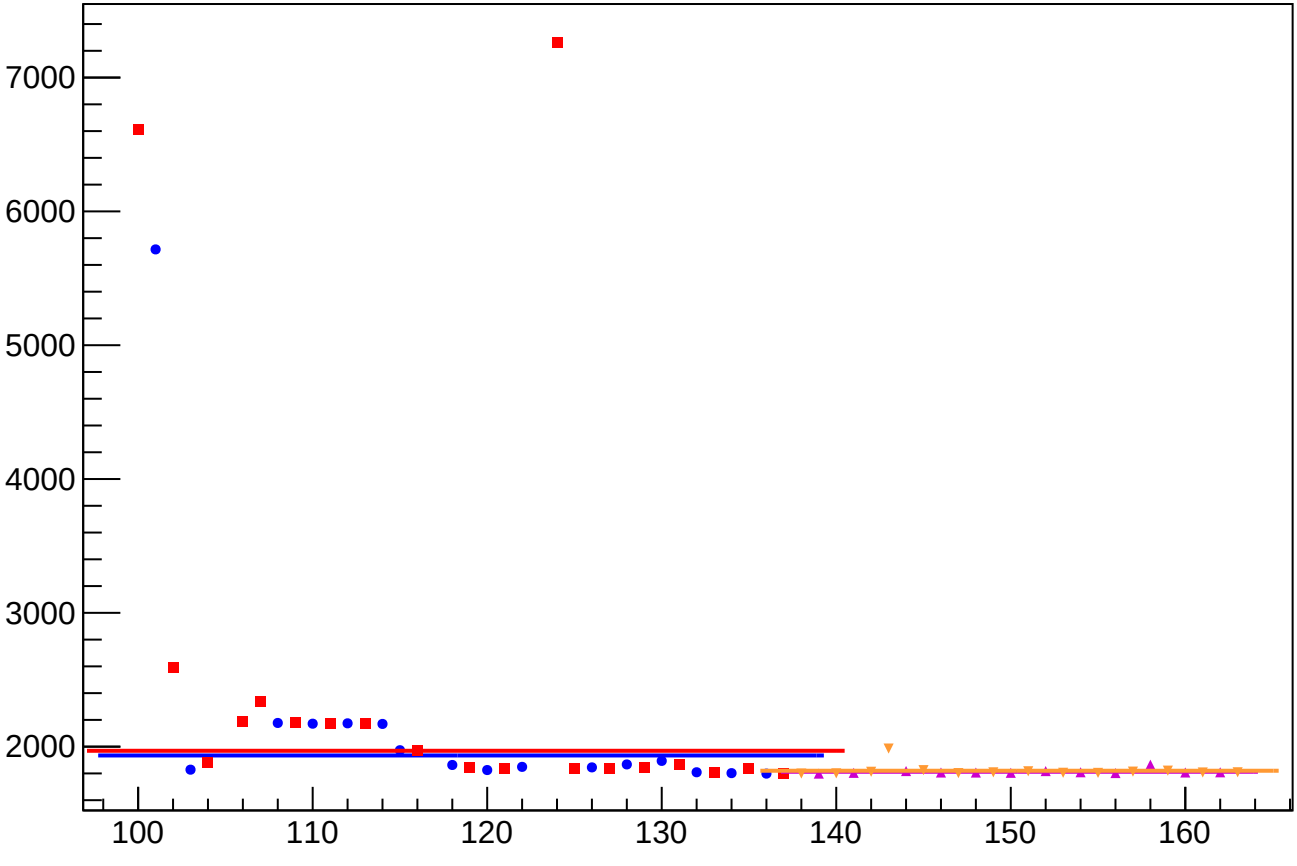
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -432.334+/-446.956 χ^2/NDF:34.3/27

Out: -271.449+/-437.147 χ^2/NDF:30.4/32

All: -350.107+/-312.520 χ^2/NDF: 64.8/60

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1812.308+/-0.398 χ^2/NDF:1726.2/11

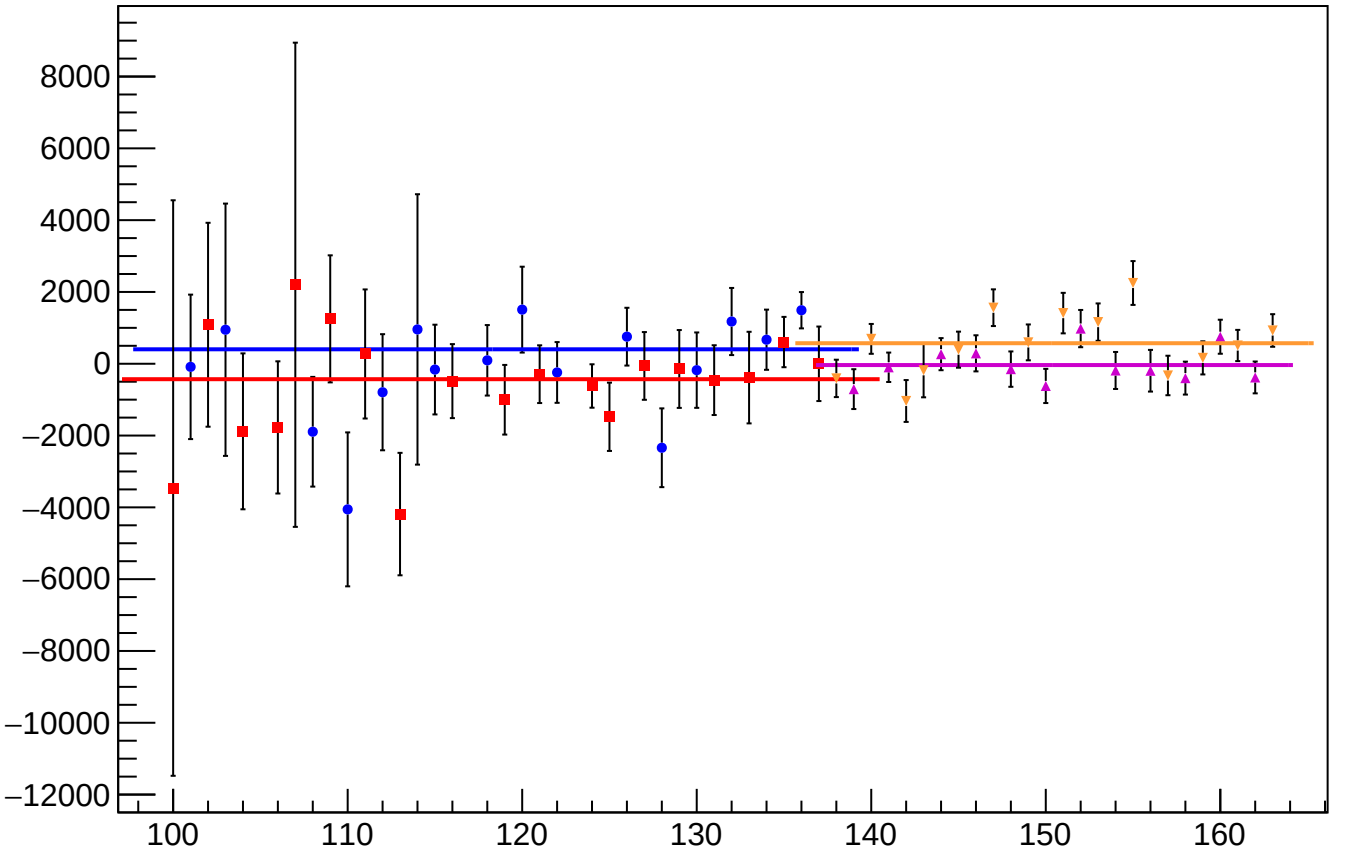
Left: 1816.301+/-0.277 χ^2/NDF: 14399.7/25

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1857.375+/-0.316 χ^2/NDF:676316.4/27

Out: 1872.726+/-0.309 χ^2/NDF:444073.2/32

All: 1865.221+/-0.221 χ^2/NDF: 1121595.4/60



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 571.994+/-136.549 χ^2/NDF:31.3/13

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -36.278+/-139.429 χ^2/NDF:11.9/11

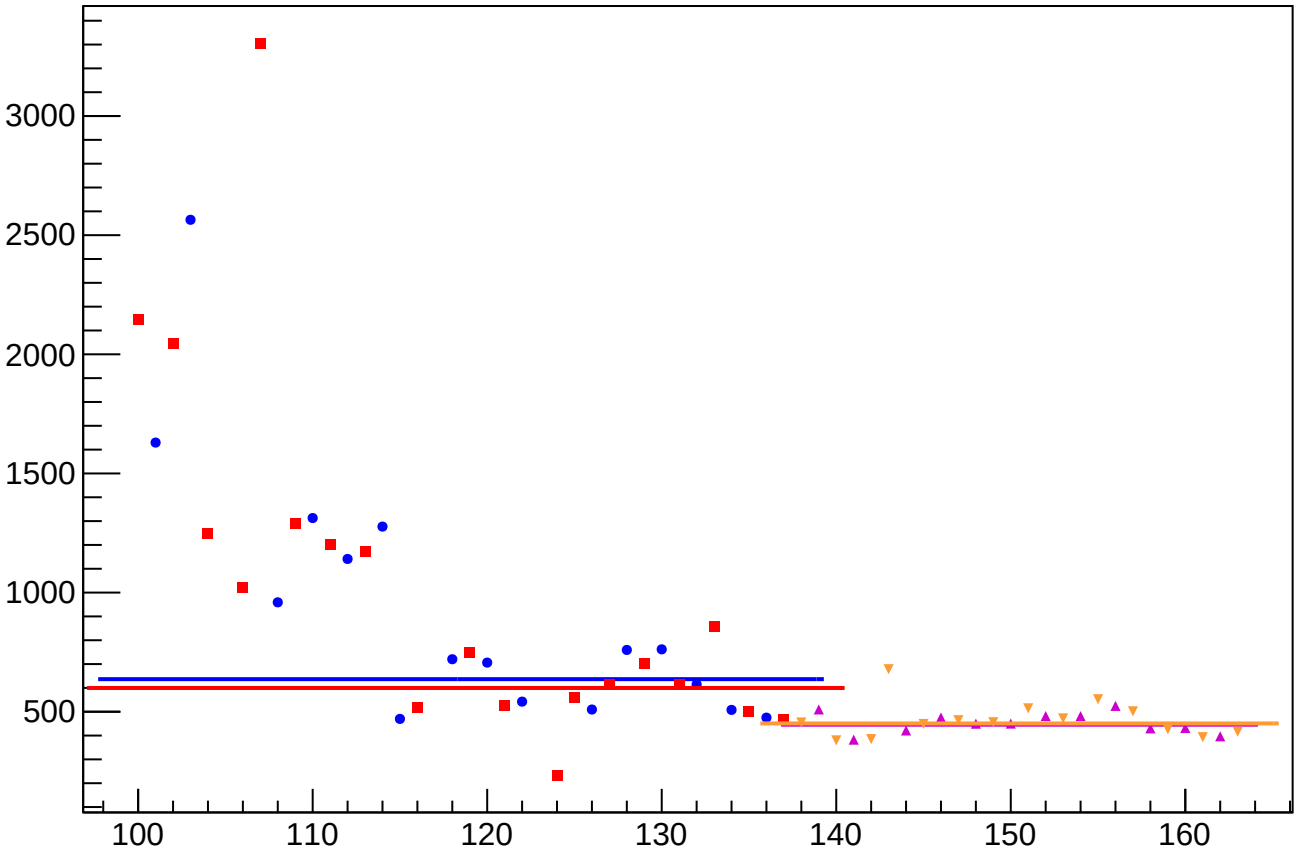
Left: 274.207+/-97.557 χ^2/NDF: 52.9/25

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 62.592+/-122.725 χ^2/NDF:35.3/27

Out: 345.700+/-120.145 χ^2/NDF:55.1/32

All: 207.152+/-85.853 χ^2/NDF: 93.1/60



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 450.860+/-0.097 χ^2/NDF:421101.1/13

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 445.496+/-0.099 χ^2/NDF:171702.4/11

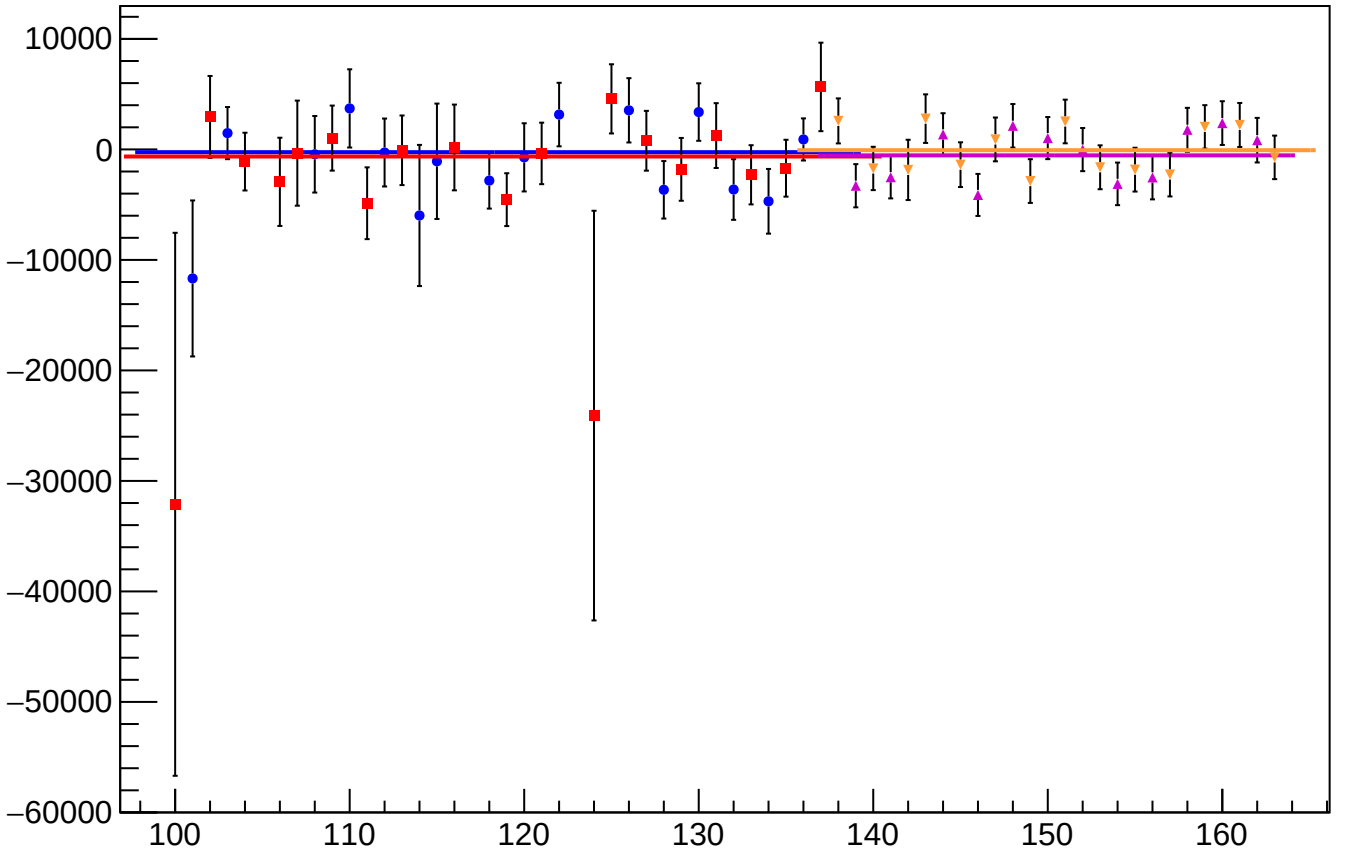
Left: 448.234+/-0.069 χ^2/NDF: 594314.5/25

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 488.567+/-0.087 χ^2/NDF:3085837.8/27

Out: 484.457+/-0.085 χ^2/NDF:3901333.3/32

All: 486.468+/-0.061 χ^2/NDF: 6988316.7/60



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -538.508+/-562.969 χ^2/NDF:17.0/11

Left: -297.254+/-391.046 χ^2/NDF: 31.4/25

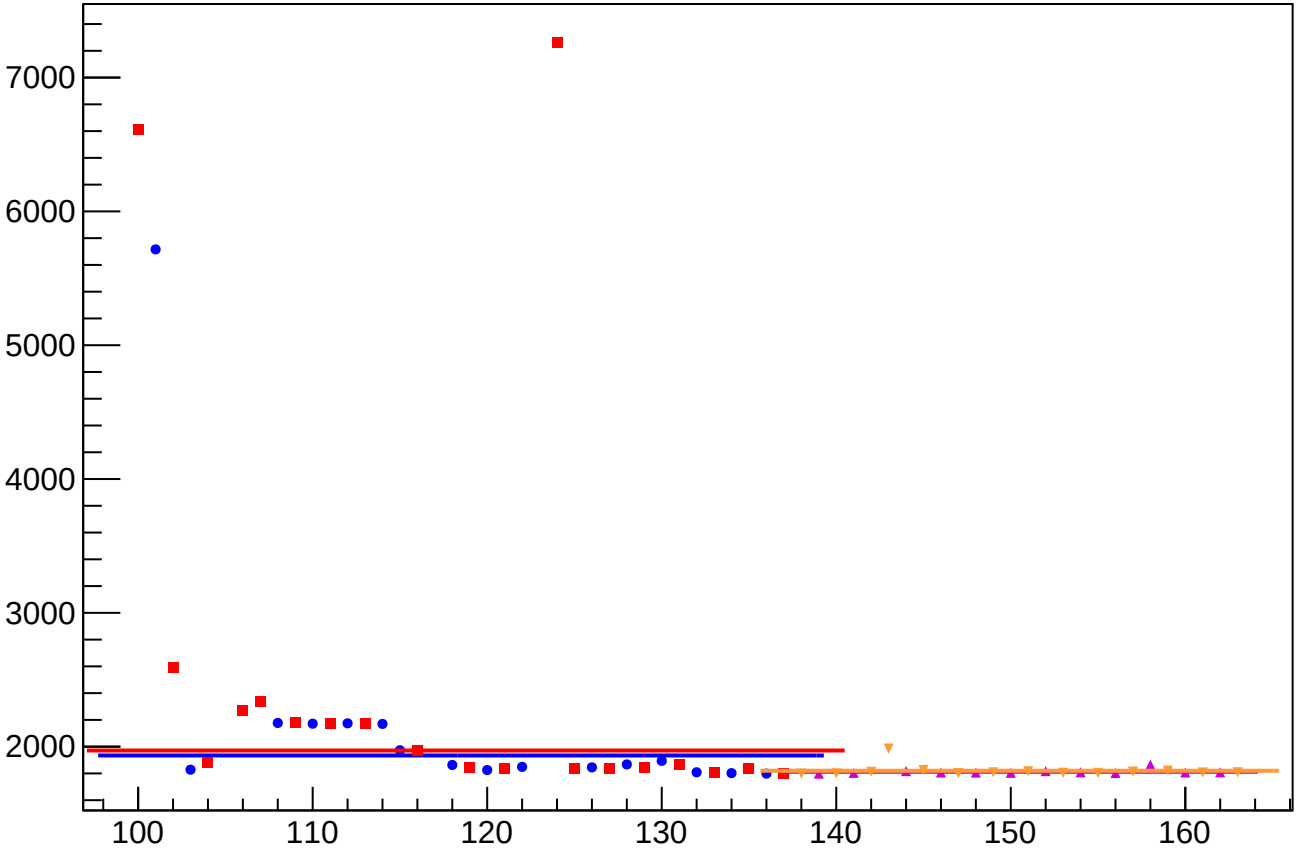
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -432.033+/-446.957 χ^2/NDF:34.3/27

Out: -272.800+/-437.371 χ^2/NDF:30.5/32

All: -350.691+/-312.602 χ^2/NDF: 64.8/60

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.308+/-0.398 χ^2/NDF:1726.2/11

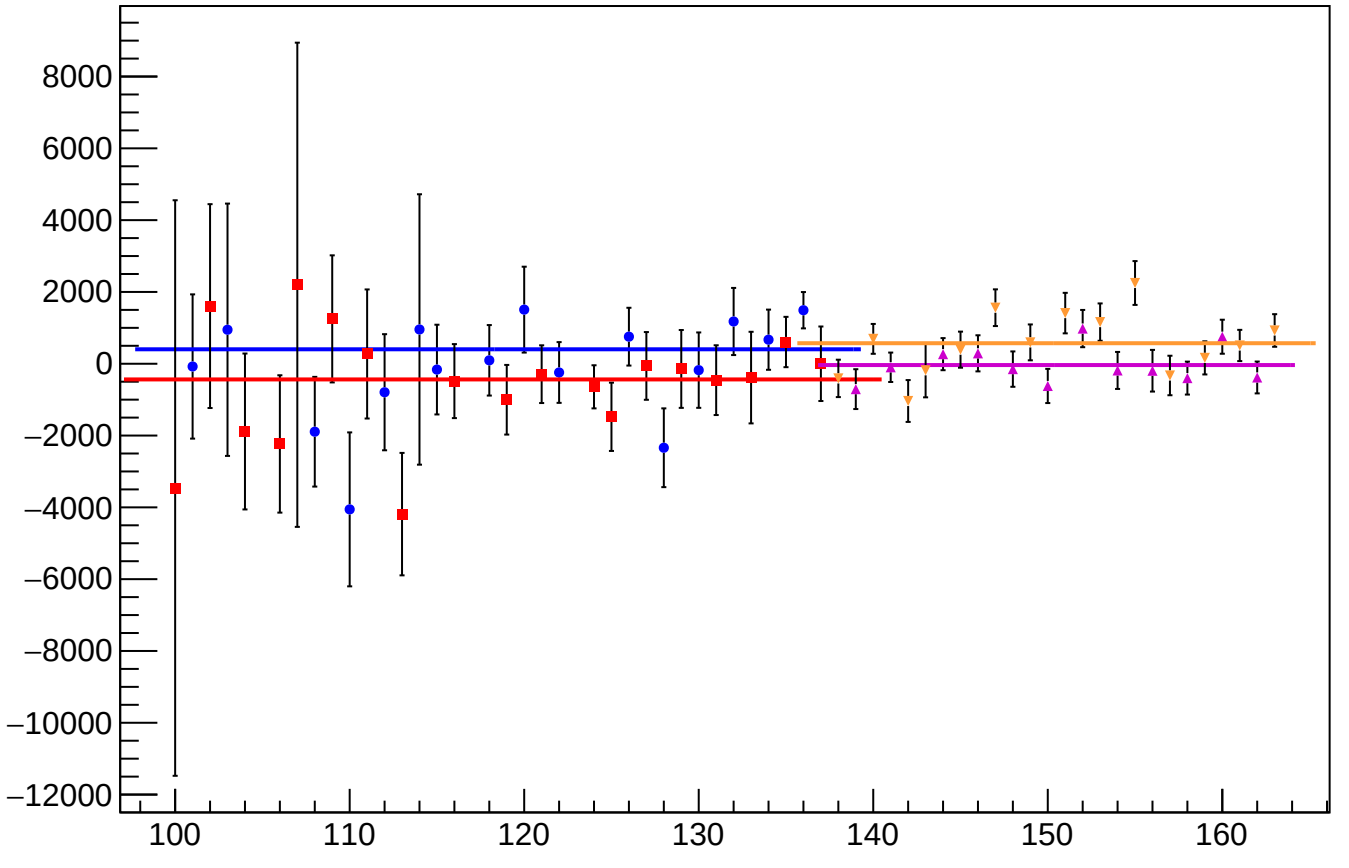
Left: 1816.301+/-0.277 χ^2/NDF: 14399.7/25

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1857.375+/-0.316 χ^2/NDF:676316.3/27

Out: 1873.386+/-0.309 χ^2/NDF:450314.8/32

All: 1865.554+/-0.221 χ^2/NDF: 1127942.1/60



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -36.360+/-139.429 χ^2/NDF:11.9/11

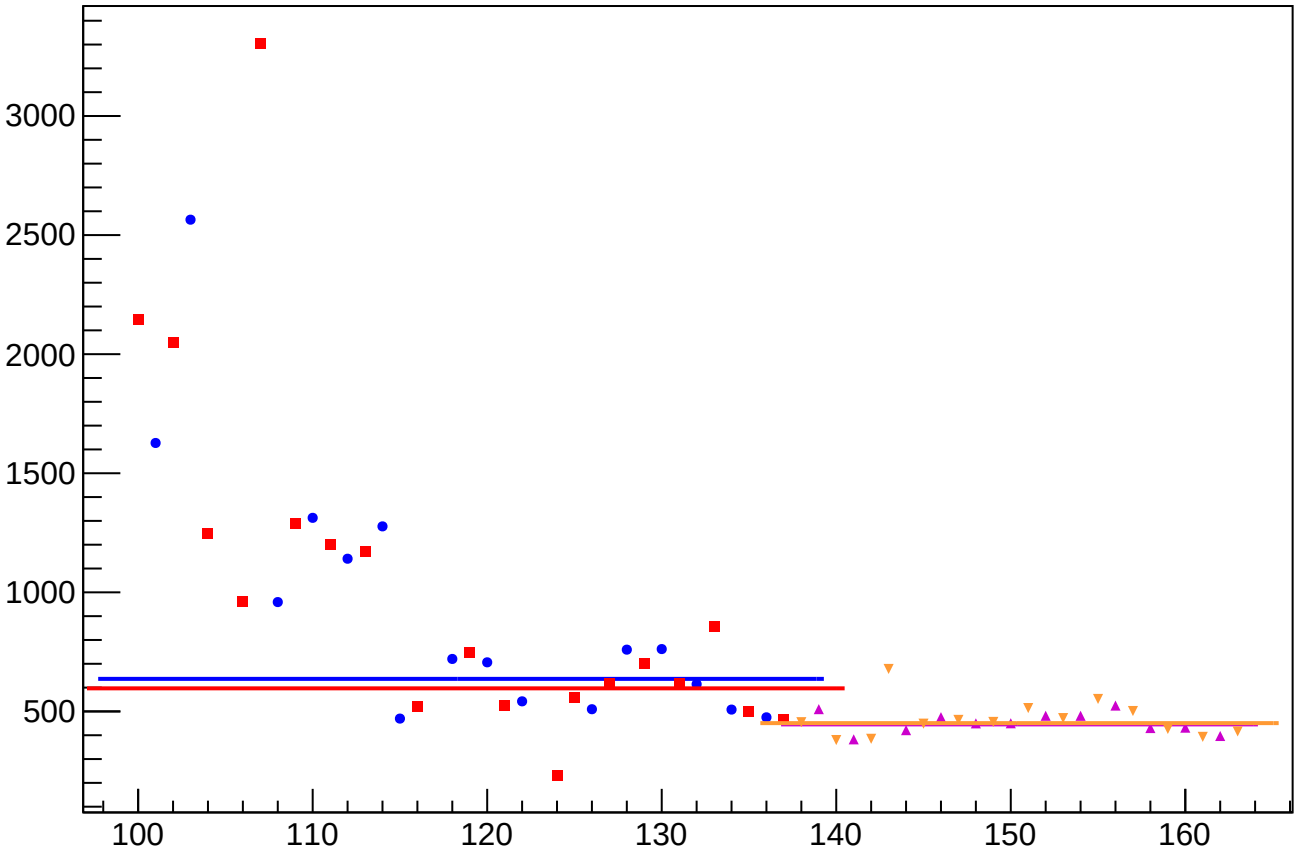
Left: 274.135+/-97.557 χ^2/NDF: 52.9/25

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 62.551+/-122.723 χ^2/NDF:35.3/27

Out: 343.947+/-120.129 χ^2/NDF:55.9/32

All: 206.255+/-85.846 χ^2/NDF: 93.9/60



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 445.494+/-0.099 χ^2/NDF:171682.7/11

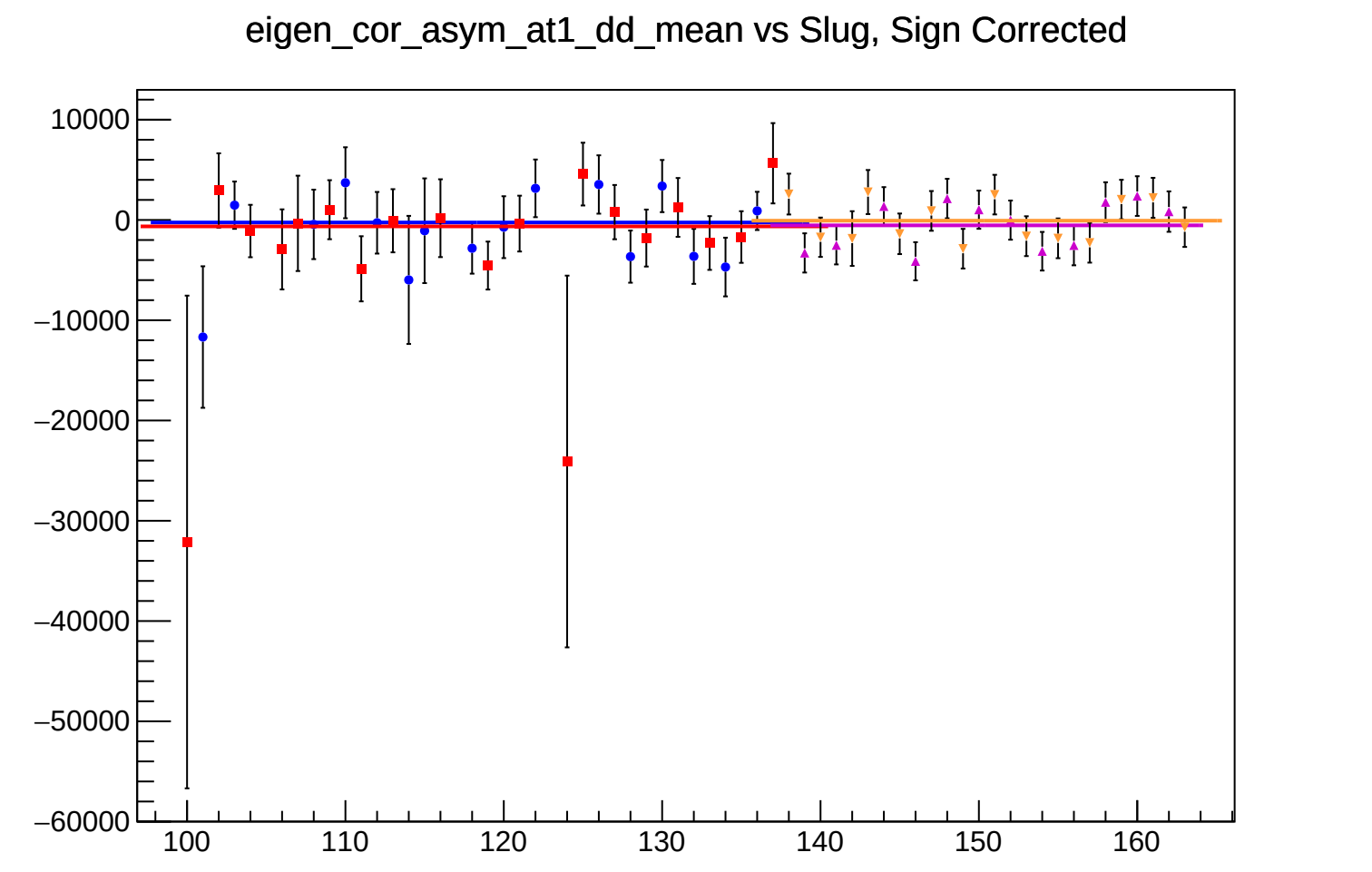
Left: 448.232+/-0.069 χ^2/NDF: 594281.8/25

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 488.568+/-0.087 χ^2/NDF:3084998.9/27

Out: 483.861+/-0.085 χ^2/NDF:3868377.2/32

All: 486.164+/-0.061 χ^2/NDF: 6954879.0/60



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -72.327+/-543.586 χ^2/NDF:14.1/13

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -538.508+/-562.969 χ^2/NDF:17.0/11

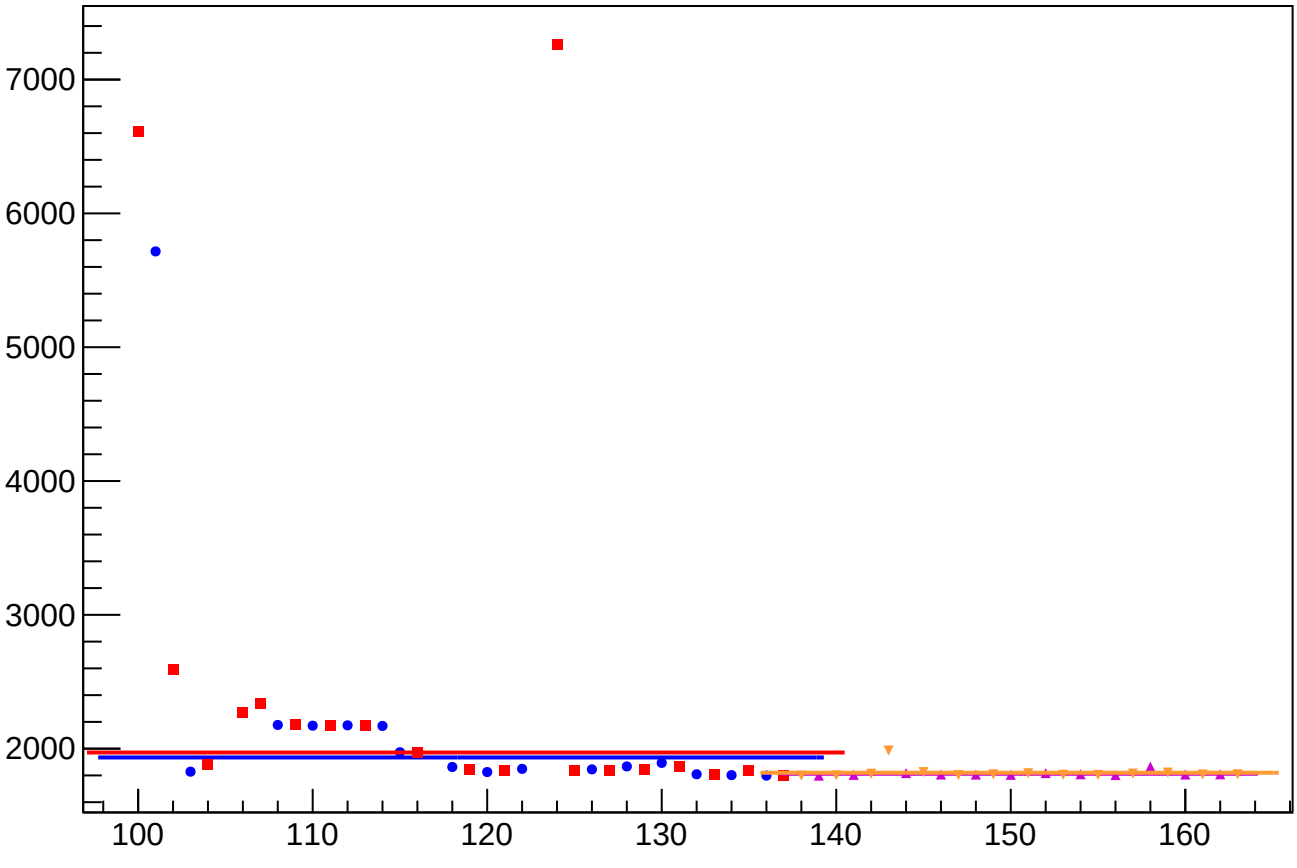
Left: -297.254+/-391.046 χ^2/NDF: 31.4/25

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -432.033+/-446.957 χ^2/NDF:34.3/27

Out: -272.800+/-437.371 χ^2/NDF:30.5/32

All: -350.691+/-312.602 χ^2/NDF: 64.8/60



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1820.023+/-0.384 χ^2/NDF:12479.1/13

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1812.308+/-0.398 χ^2/NDF:1726.2/11

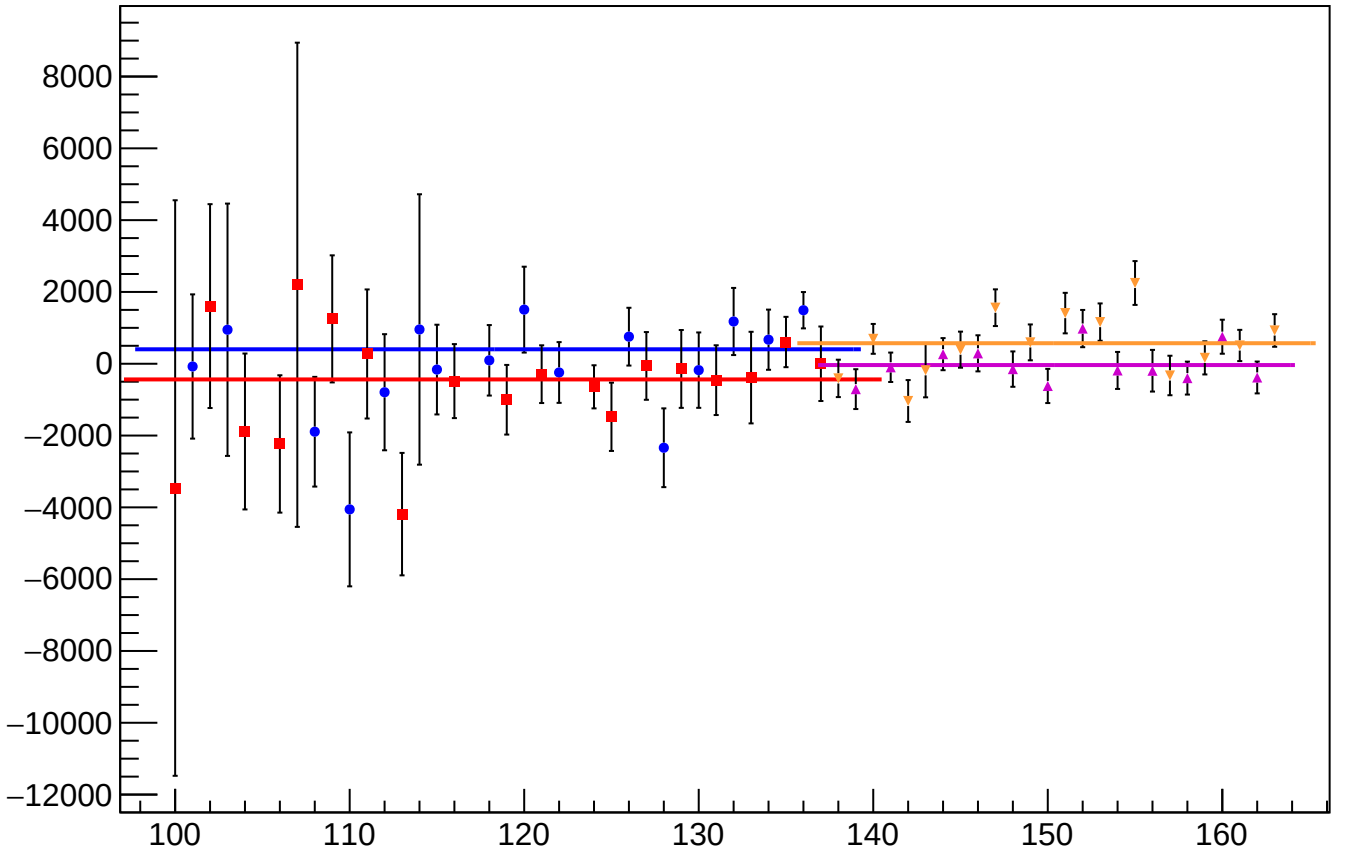
Left: 1816.301+/-0.277 χ^2/NDF: 14399.7/25

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1857.375+/-0.316 χ^2/NDF:676316.3/27

Out: 1873.386+/-0.309 χ^2/NDF:450314.8/32

All: 1865.554+/-0.221 χ^2/NDF: 1127942.1/60



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 571.933+/-136.549 χ^2/NDF:31.3/13

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -36.360+/-139.429 χ^2/NDF:11.9/11

Left: 274.135+/-97.557 χ^2/NDF: 52.9/25

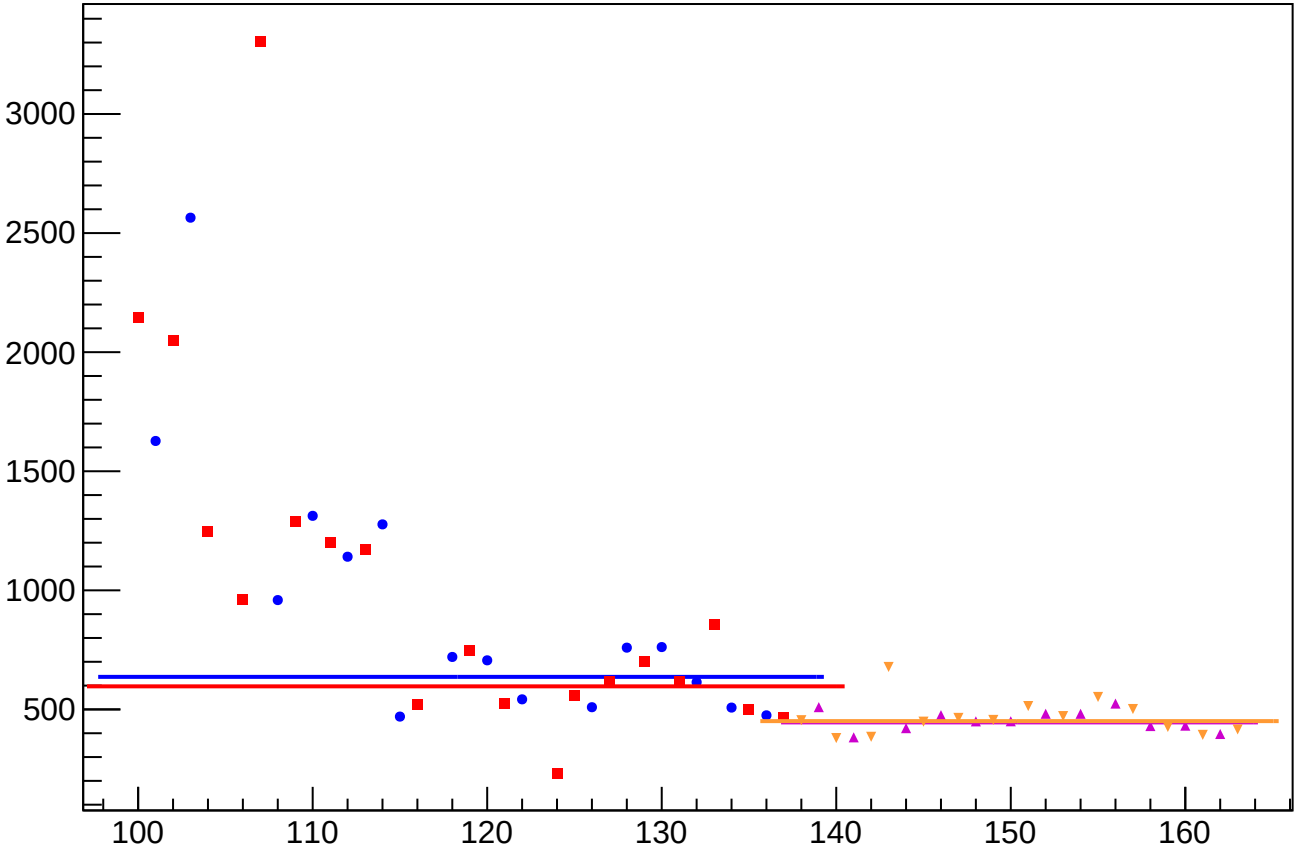
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 62.551+/-122.723 χ^2/NDF:35.3/27

Out: 343.947+/-120.129 χ^2/NDF:55.9/32

All: 206.255+/-85.846 χ^2/NDF: 93.9/60

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 450.858+/-0.097 χ^2/NDF:421088.1/13

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 445.494+/-0.099 χ^2/NDF:171682.7/11

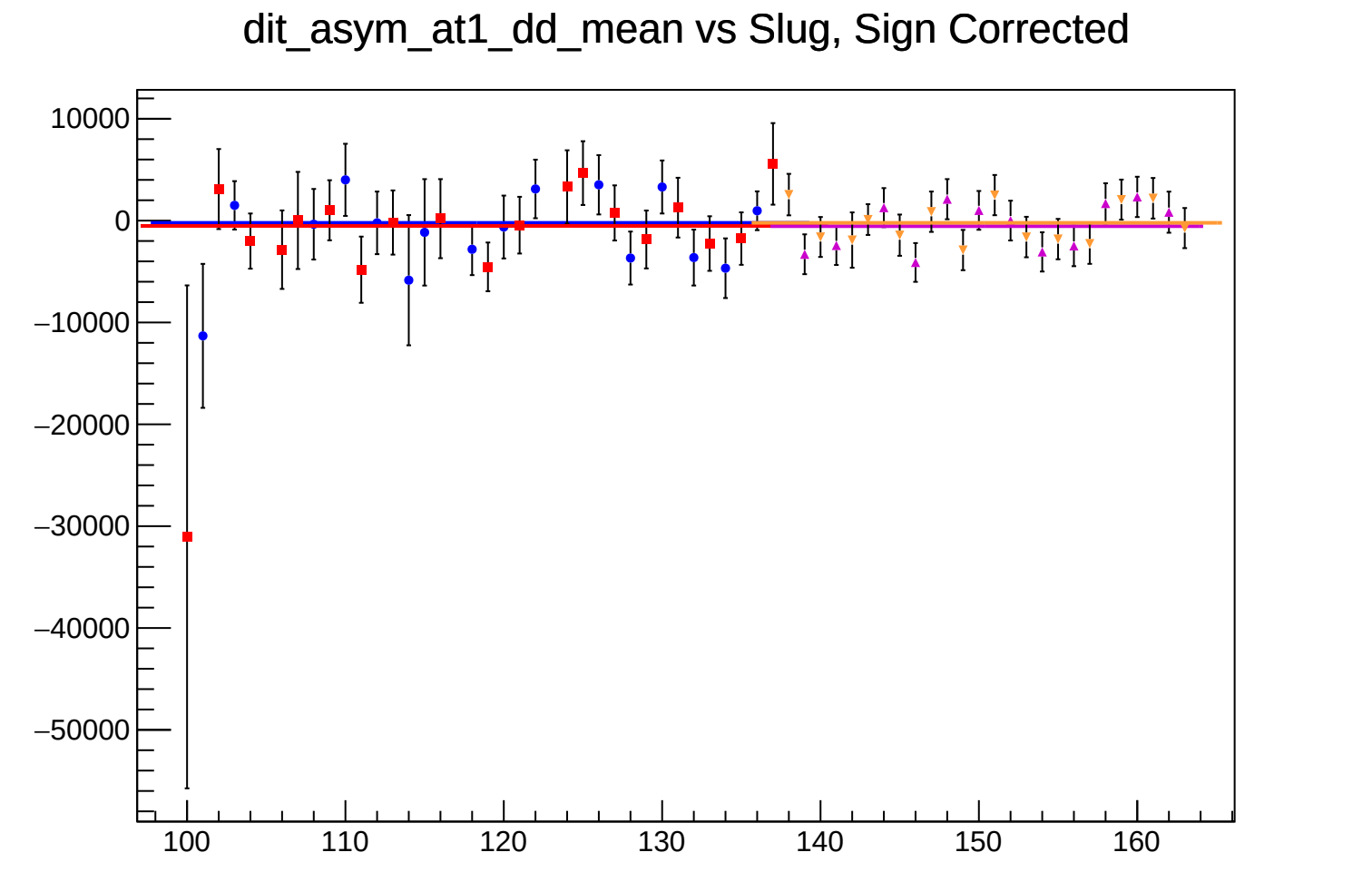
Left: 448.232+/-0.069 χ^2/NDF: 594281.8/25

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 488.568+/-0.087 χ^2/NDF:3084998.9/27

Out: 483.861+/-0.085 χ^2/NDF:3868377.2/32

All: 486.164+/-0.061 χ^2/NDF: 6954879.0/60



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -216.364+/-525.946 χ^2/NDF:12.3/13

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -545.342+/-563.157 χ^2/NDF:16.4/11

Left: -369.626+/-384.382 χ^2/NDF: 28.9/25

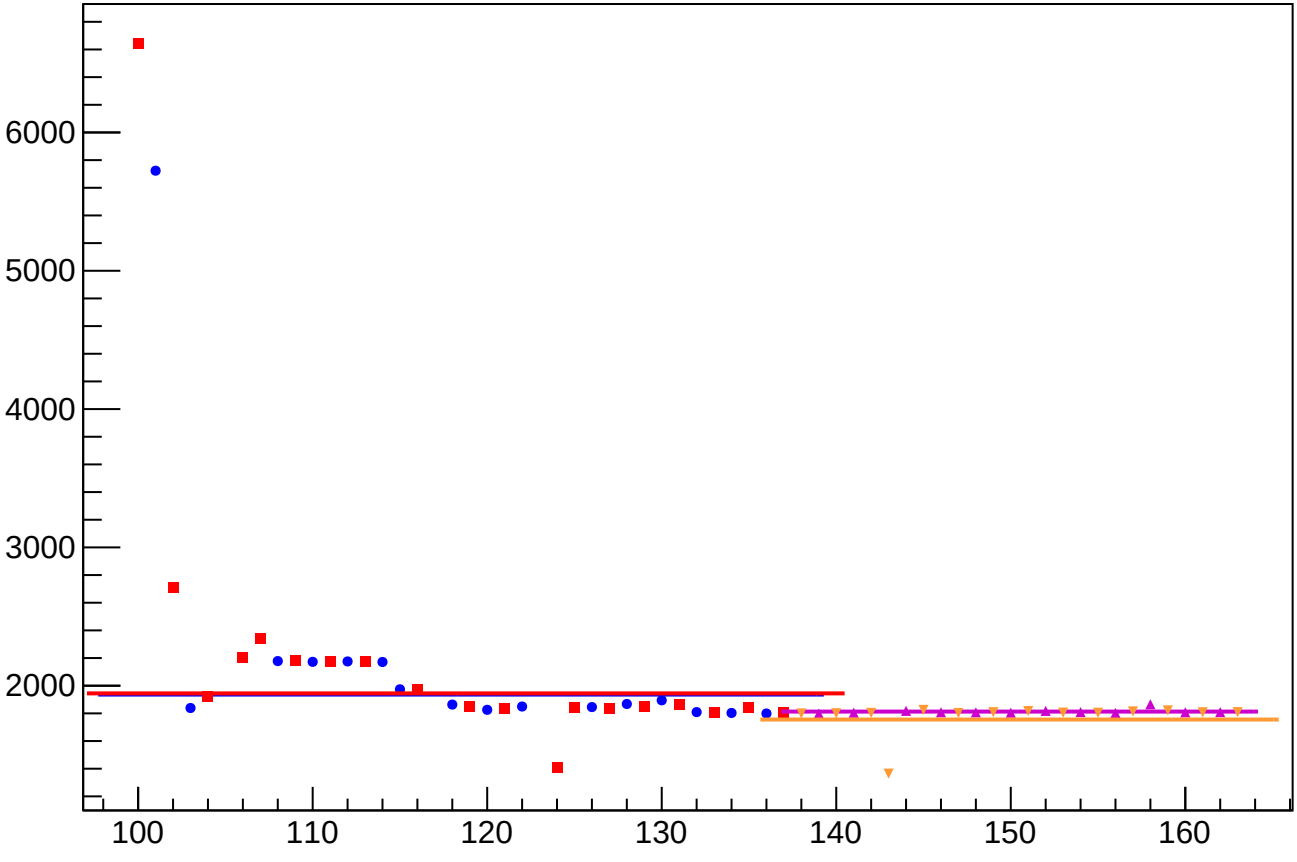
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -425.324+/-447.225 χ^2/NDF:33.7/27

Out: -321.155+/-425.718 χ^2/NDF:28.0/32

All: -370.675+/-308.351 χ^2/NDF: 61.7/60

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1755.389+/-0.372 χ^2/NDF:153119.4/13

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1812.913+/-0.398 χ^2/NDF:1721.5/11

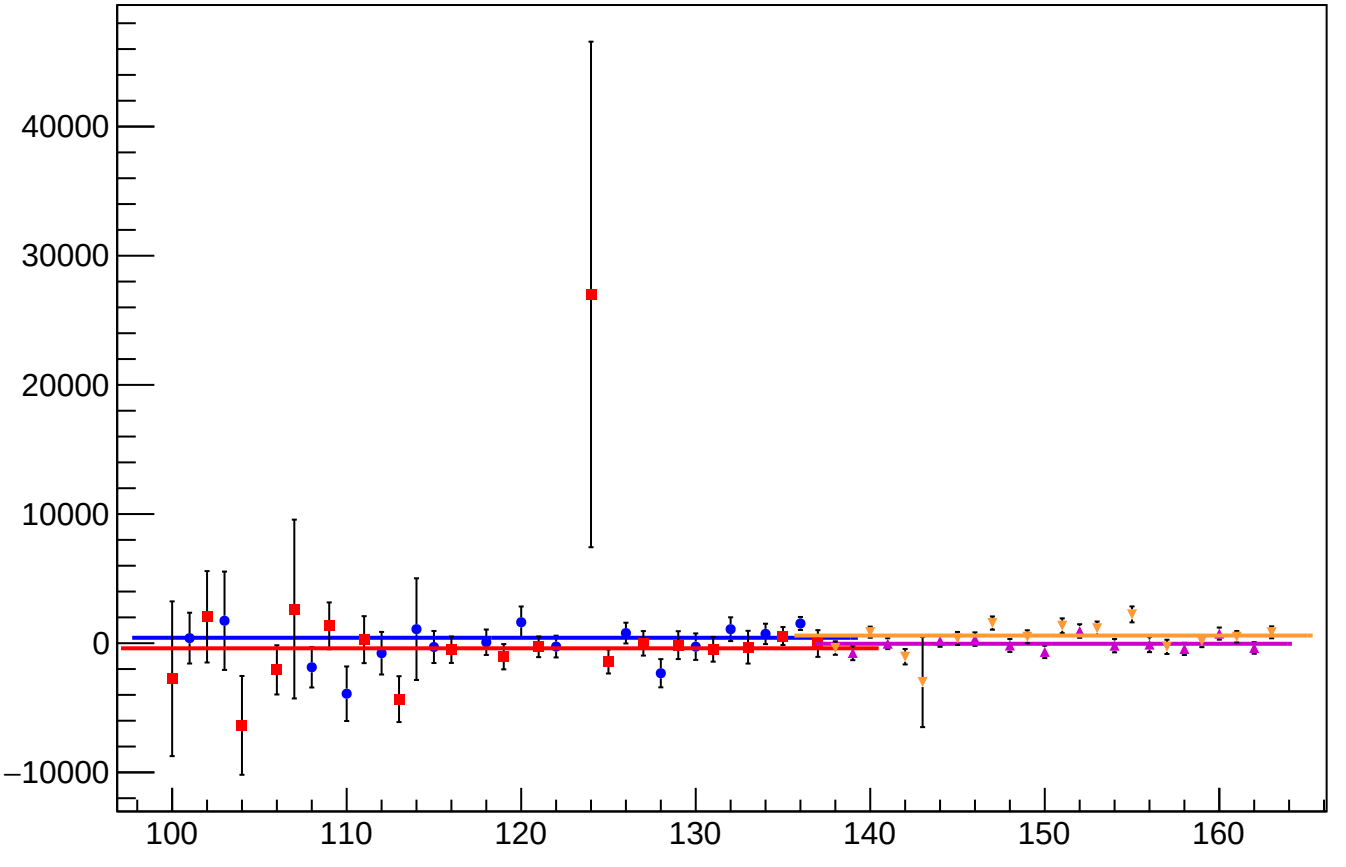
Left: 1782.188+/-0.272 χ^2/NDF: 165986.7/25

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1858.365+/-0.316 χ^2/NDF:676802.7/27

Out: 1820.597+/-0.301 χ^2/NDF:518498.8/32

All: 1838.551+/-0.218 χ^2/NDF: 1202784.5/60



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.026+/-140.667 χ^2/NDF:29.8/13

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -43.496+/-141.620 χ^2/NDF:11.7/11

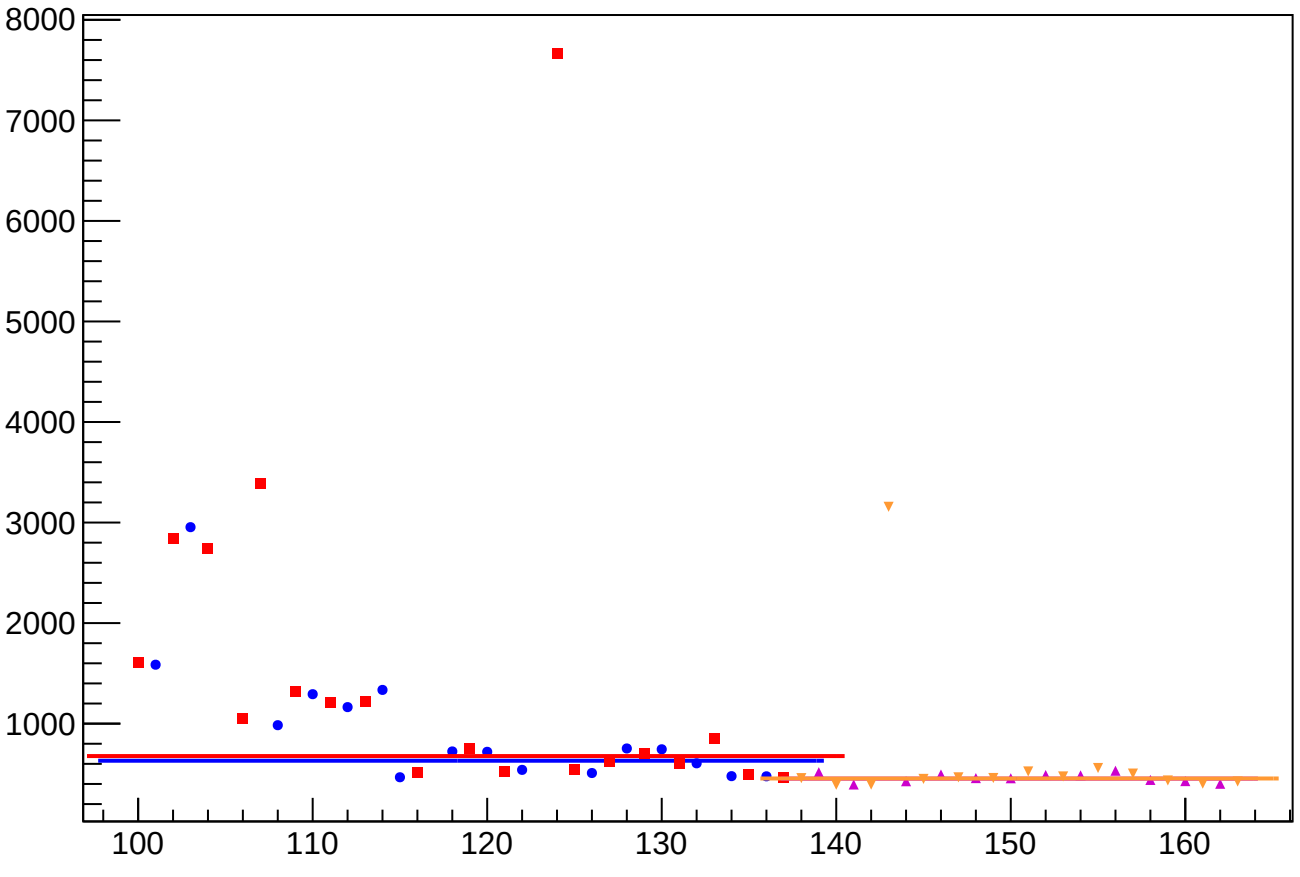
Left: 276.410+/-99.802 χ^2/NDF: 51.7/25

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 64.893+/-124.006 χ^2/NDF:35.7/27

Out: 392.902+/-125.657 χ^2/NDF:55.6/32

All: 226.729+/-88.264 χ^2/NDF: 94.7/60



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 454.442+/-0.099 χ^2/NDF:1405150.2/13

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 452.953+/-0.100 χ^2/NDF:168976.0/11

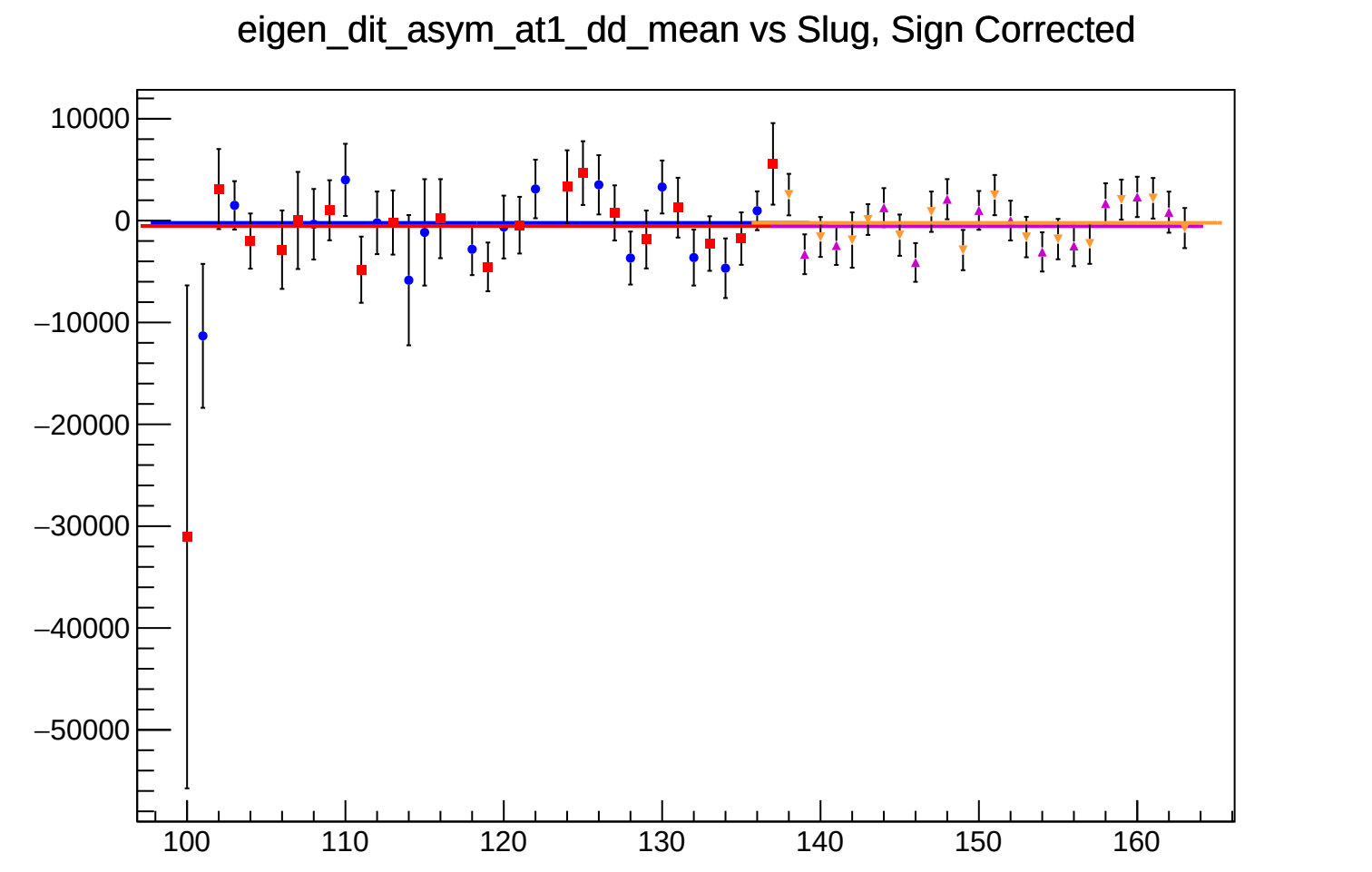
Left: 453.703+/-0.071 χ^2/NDF: 1574237.3/25

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 494.520+/-0.088 χ^2/NDF:3142038.4/27

Out: 499.493+/-0.089 χ^2/NDF:5502158.4/32

All: 496.974+/-0.062 χ^2/NDF: 8645784.1/60



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -216.365+/-525.946 χ^2/NDF:12.3/13

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -545.341+/-563.156 χ^2/NDF:16.4/11

Left: -369.627+/-384.382 χ^2/NDF: 28.9/25

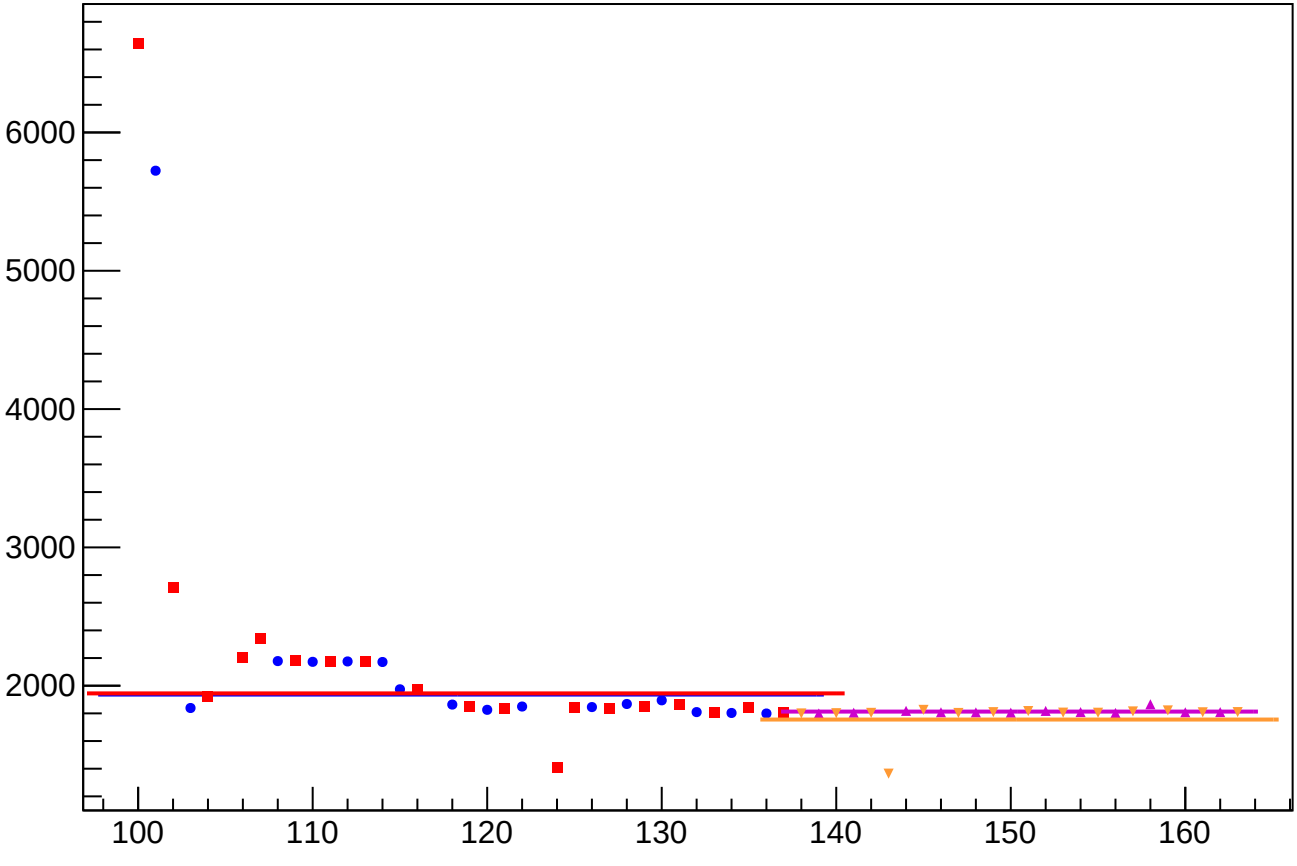
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -425.324+/-447.225 χ^2/NDF:33.7/27

Out: -321.156+/-425.718 χ^2/NDF:28.0/32

All: -370.675+/-308.351 χ^2/NDF: 61.7/60

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1755.389+/-0.372 χ^2/NDF:153119.3/13

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1812.913+/-0.398 χ^2/NDF:1721.5/11

Left: 1782.188+/-0.272 χ^2/NDF: 165986.7/25

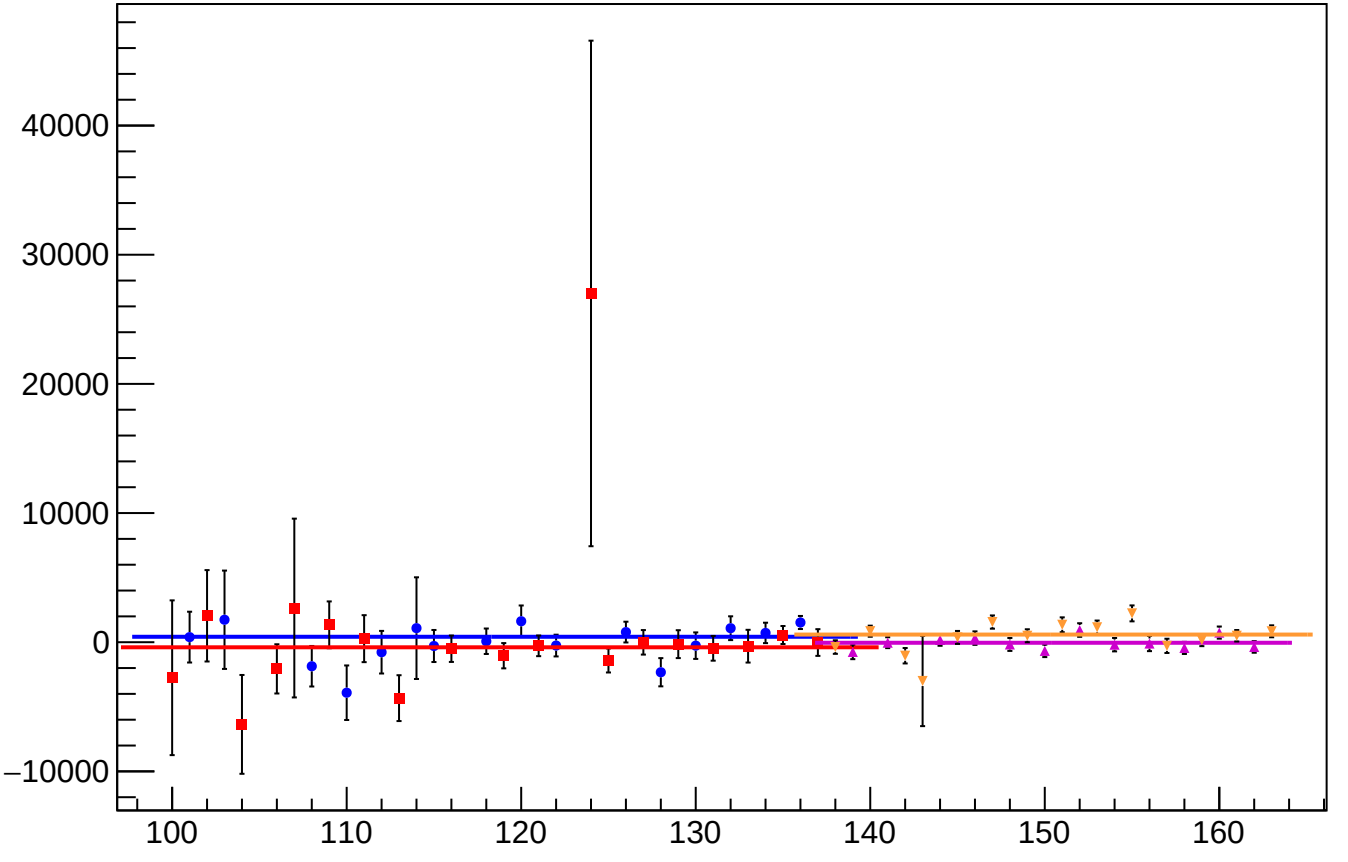
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1858.365+/-0.316 χ^2/NDF:676802.7/27

Out: 1820.597+/-0.301 χ^2/NDF:518498.6/32

All: 1838.551+/-0.218 χ^2/NDF: 1202784.2/60

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 592.025+/-140.667 χ^2/NDF:29.8/13

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -43.495+/-141.620 χ^2/NDF:11.7/11

Left: 276.410+/-99.802 χ^2/NDF: 51.7/25

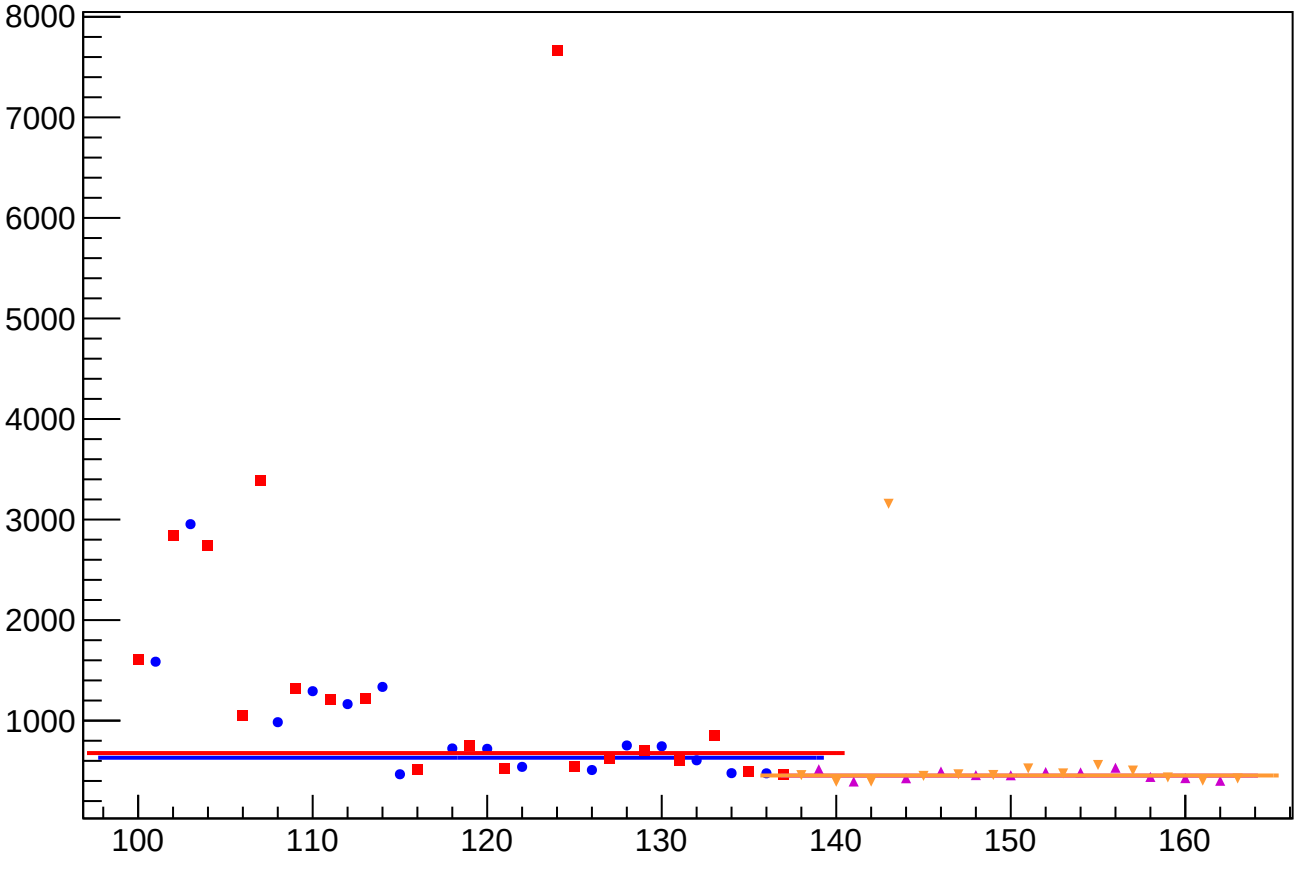
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 64.894+/-124.006 χ^2/NDF:35.7/27

Out: 392.901+/-125.657 χ^2/NDF:55.6/32

All: 226.729+/-88.264 χ^2/NDF: 94.7/60

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 454.441+/-0.099 χ^2/NDF:1405152.4/13

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 452.953+/-0.100 χ^2/NDF:168978.6/11

Left: 453.702+/-0.071 χ^2/NDF: 1574242.1/25

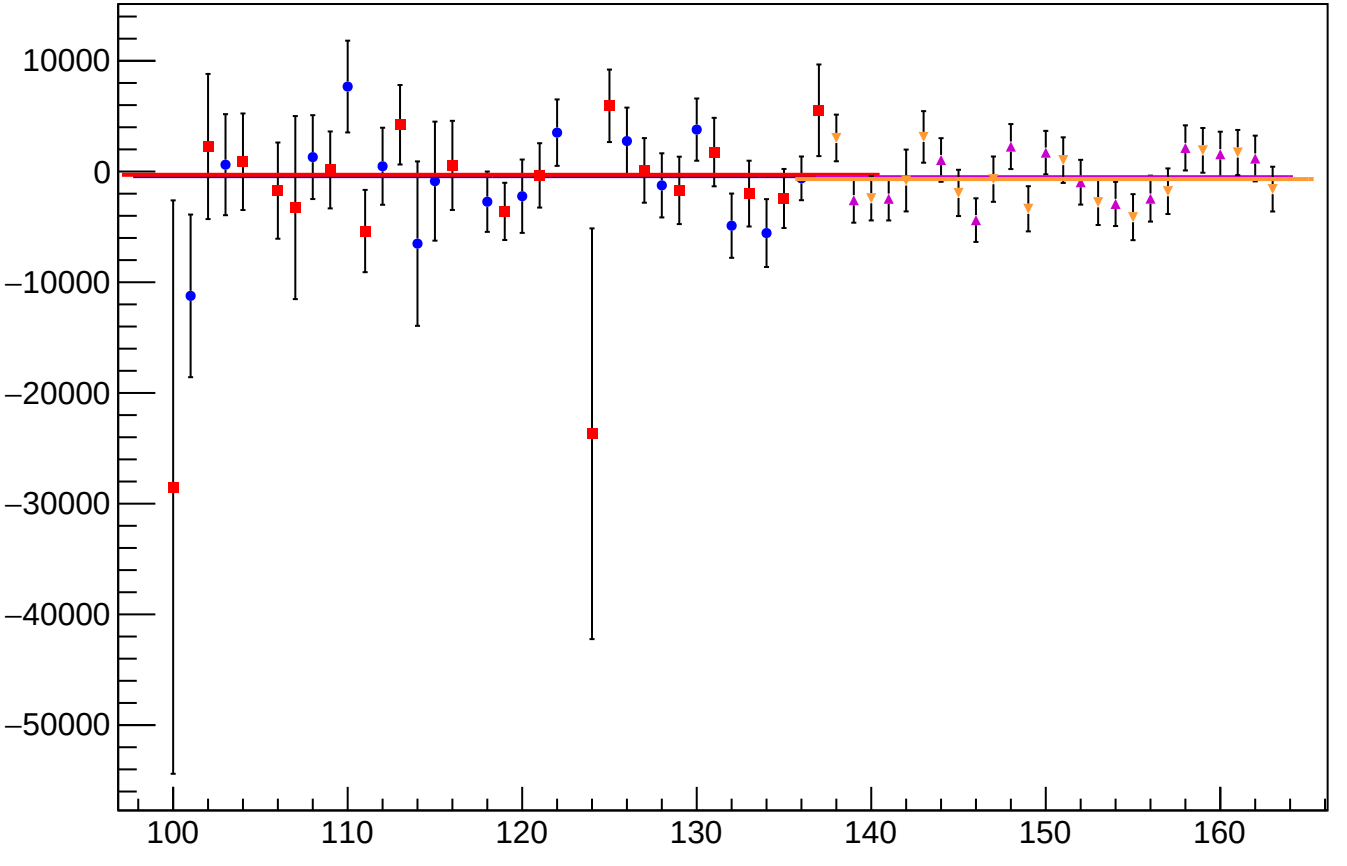
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 494.520+/-0.088 χ^2/NDF:3142040.2/27

Out: 499.493+/-0.089 χ^2/NDF:5502163.3/32

All: 496.974+/-0.062 χ^2/NDF: 8645790.7/60

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -680.433+/-562.188 χ^2/NDF:16.6/13

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -509.100+/-580.978 χ^2/NDF:15.4/11

Left: -597.582+/-404.006 χ^2/NDF: 32.1/25

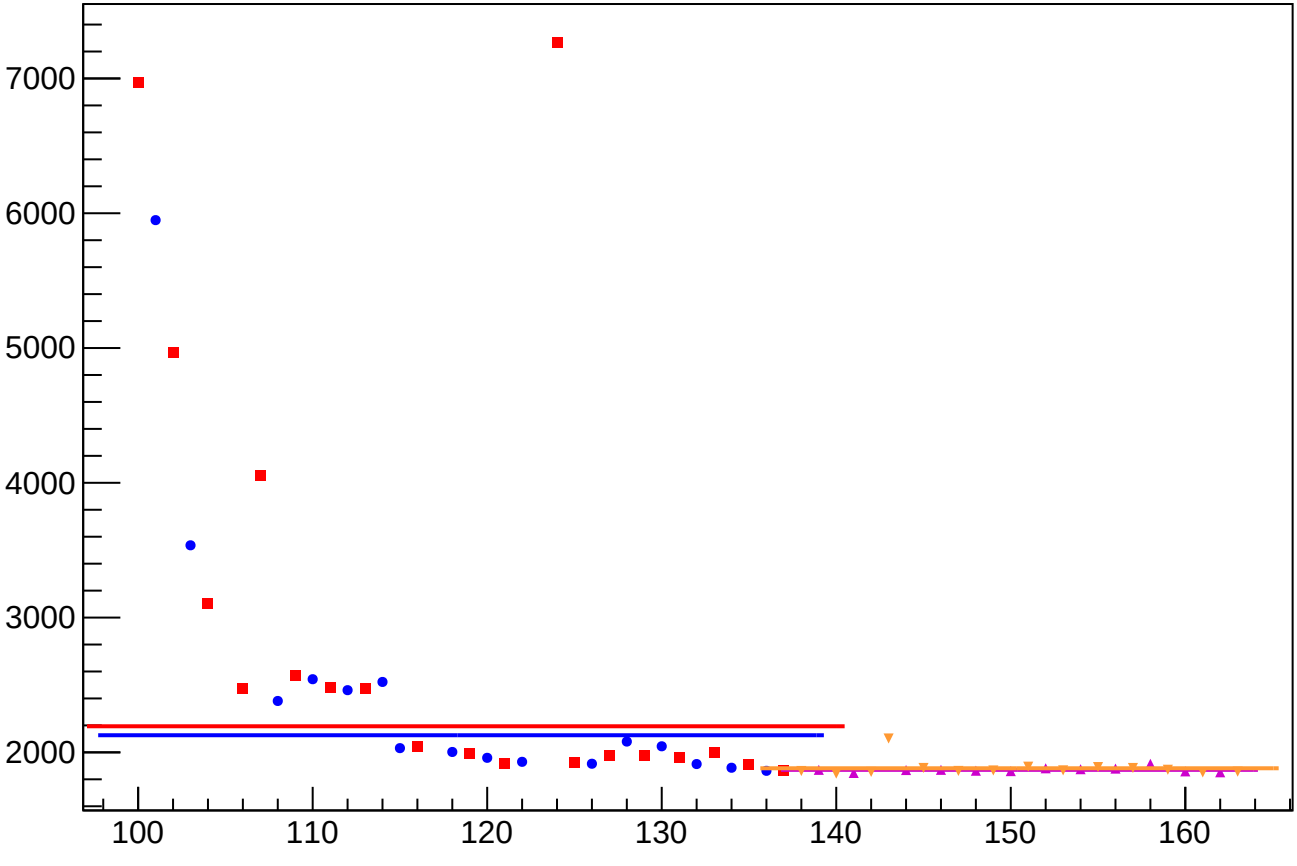
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -478.309+/-473.153 χ^2/NDF:33.8/27

Out: -559.389+/-465.748 χ^2/NDF:32.4/32

All: -519.488+/-331.921 χ^2/NDF: 66.2/60

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1881.944+/-0.398 χ^2/NDF:20529.1/13

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1870.269+/-0.411 χ^2/NDF:1643.0/11

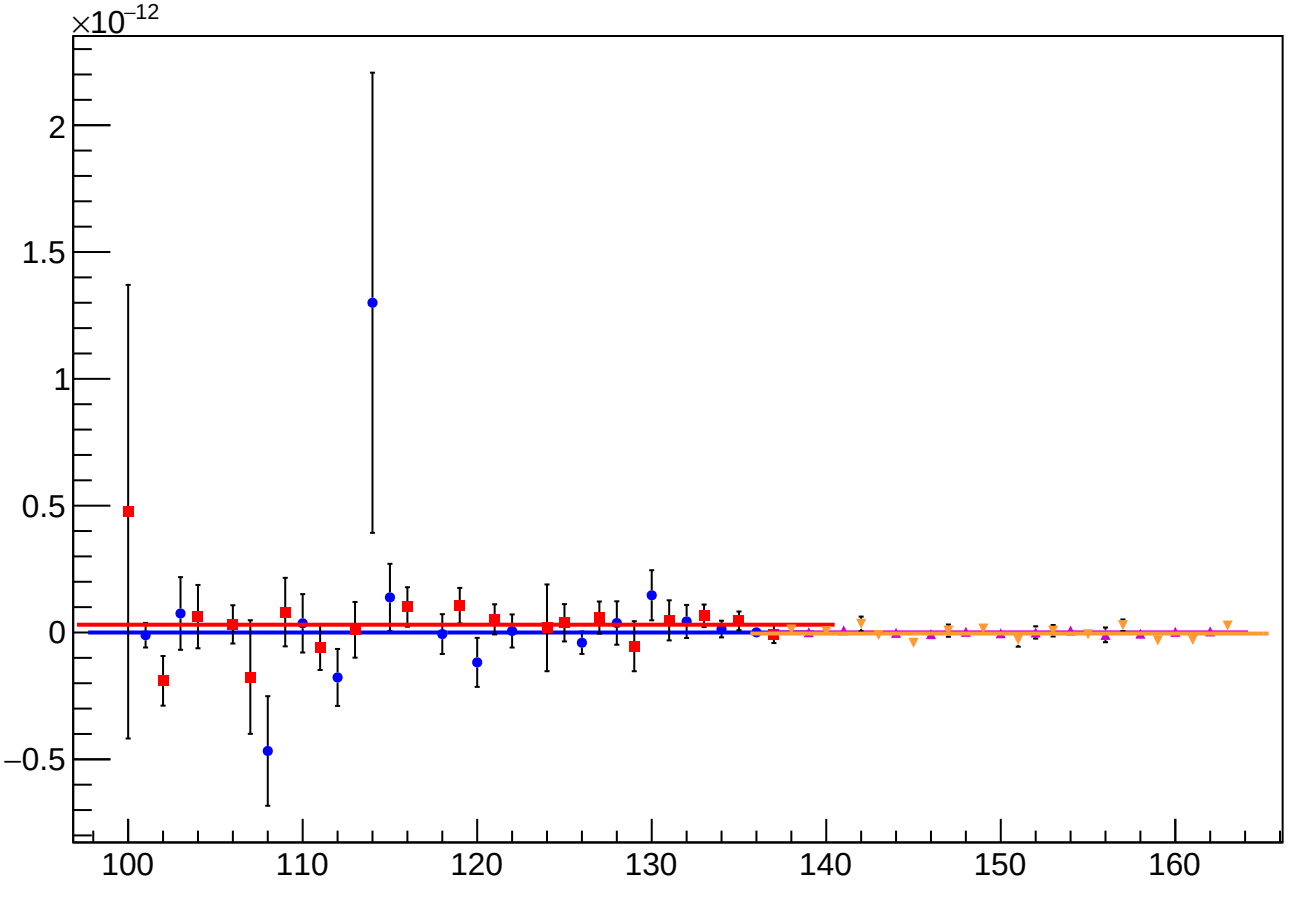
Left: 1876.298+/-0.286 χ^2/NDF: 22589.3/25

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1956.734+/-0.335 χ^2/NDF:1008274.8/27

Out: 1979.687+/-0.329 χ^2/NDF:1155849.1/32

All: 1968.391+/-0.235 χ^2/NDF: 2166514.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.5/11

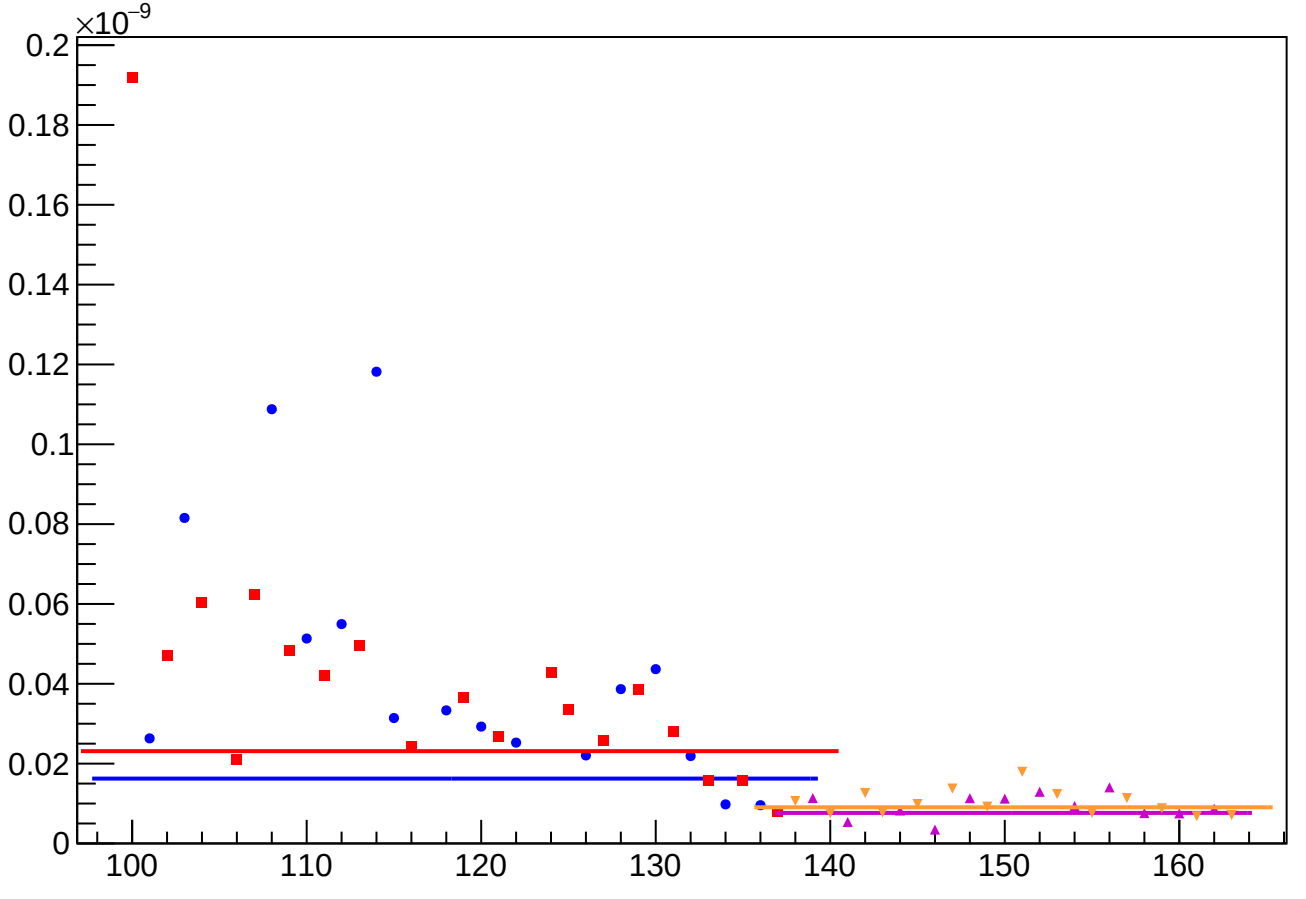
Left: -0.000+/-0.000 χ^2/NDF: 27.0/25

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.6/27

Out: -0.000+/-0.000 χ^2/NDF:41.9/32

All: -0.000+/-0.000 χ^2/NDF: 59.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:570245.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:881933.6/11

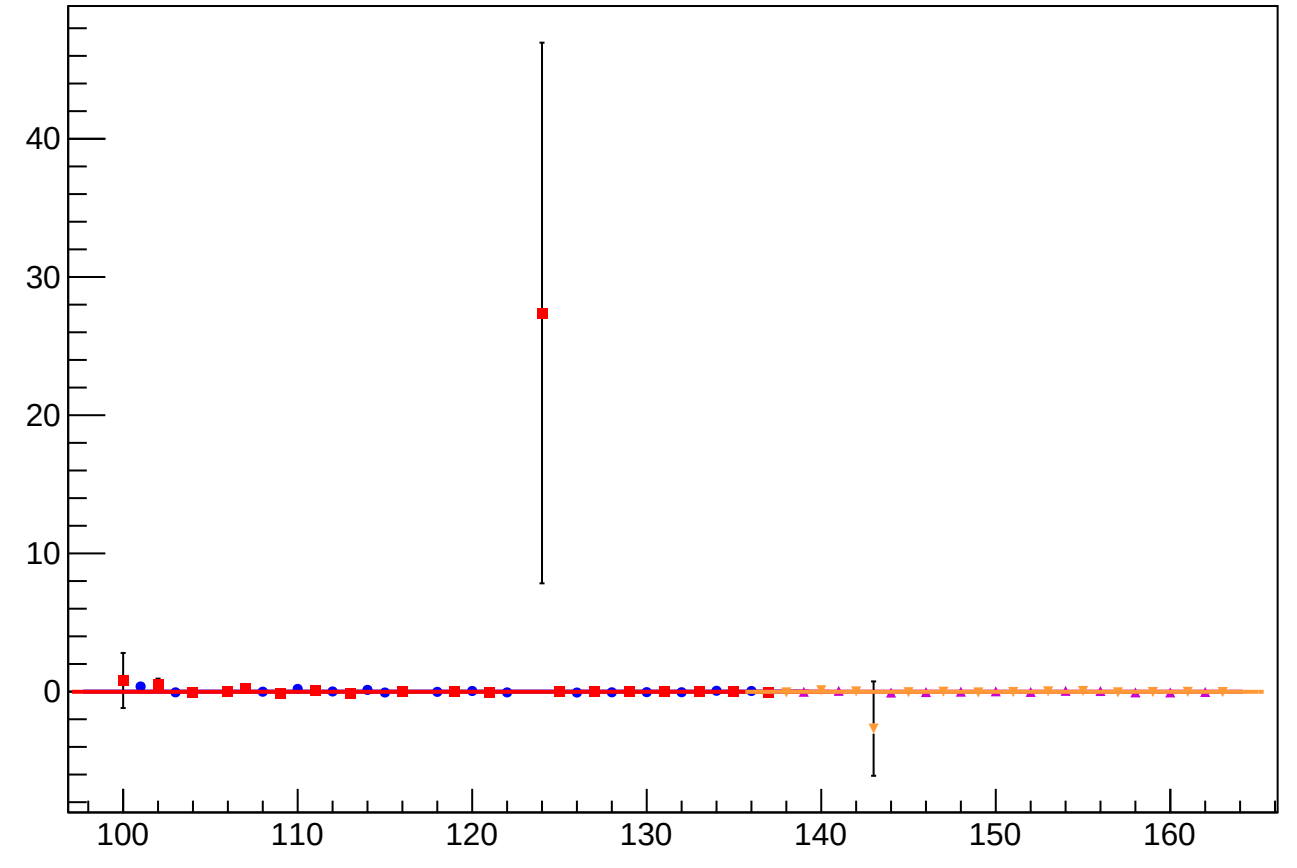
Left: 0.000+/-0.000 χ^2/NDF: 1548630.7/25

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4094135.6/27

Out: 0.000+/-0.000 χ^2/NDF:3455929.6/32

All: 0.000+/-0.000 χ^2/NDF: 7670464.1/60



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.011 χ^2/NDF:15.6/11

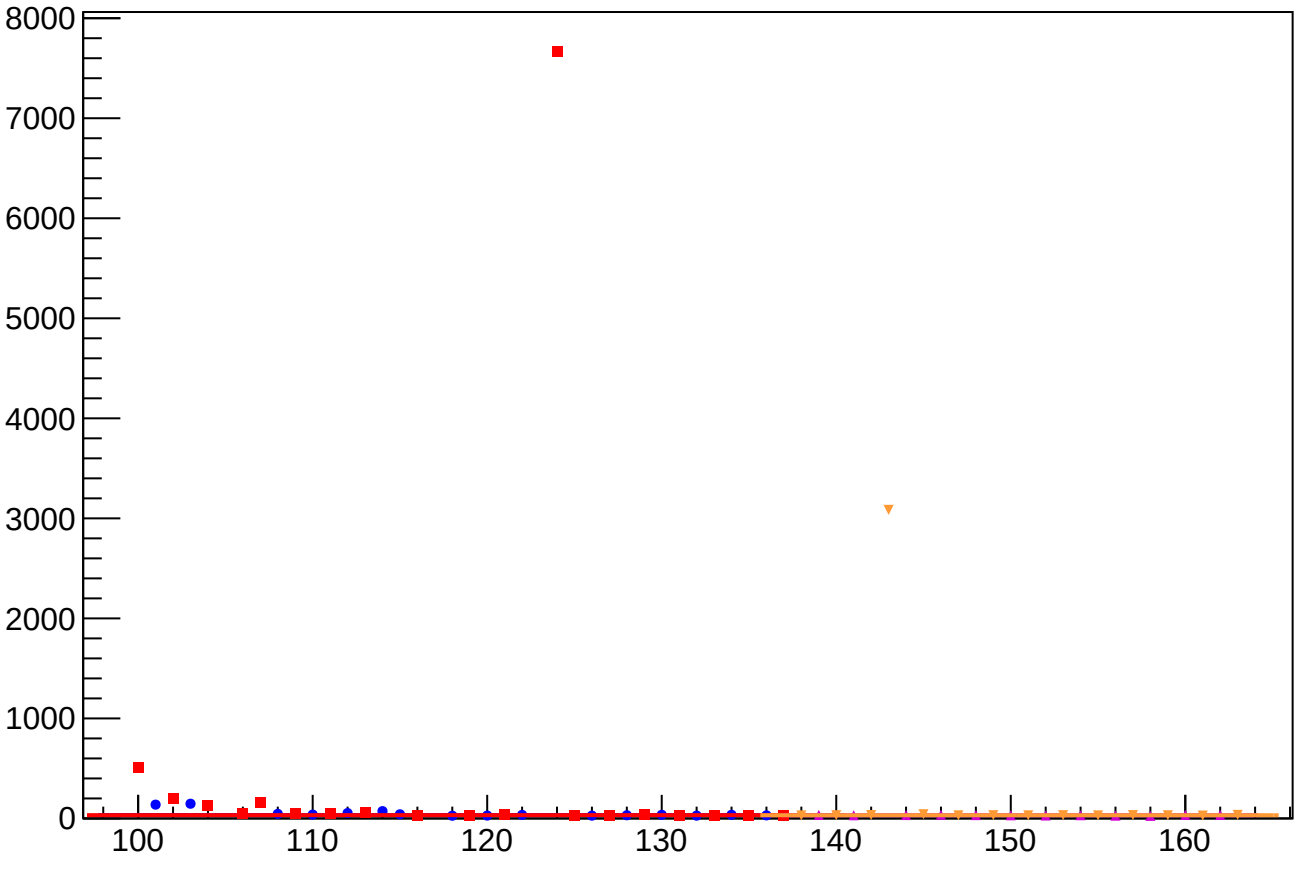
Left: -0.008+/-0.008 χ^2/NDF: 32.2/25

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.009 χ^2/NDF:36.7/27

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.007+/-0.006 χ^2/NDF: 68.0/60



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.313+/-0.008 χ^2/NDF:1726374.5/13

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.283+/-0.008 χ^2/NDF:185323.8/11

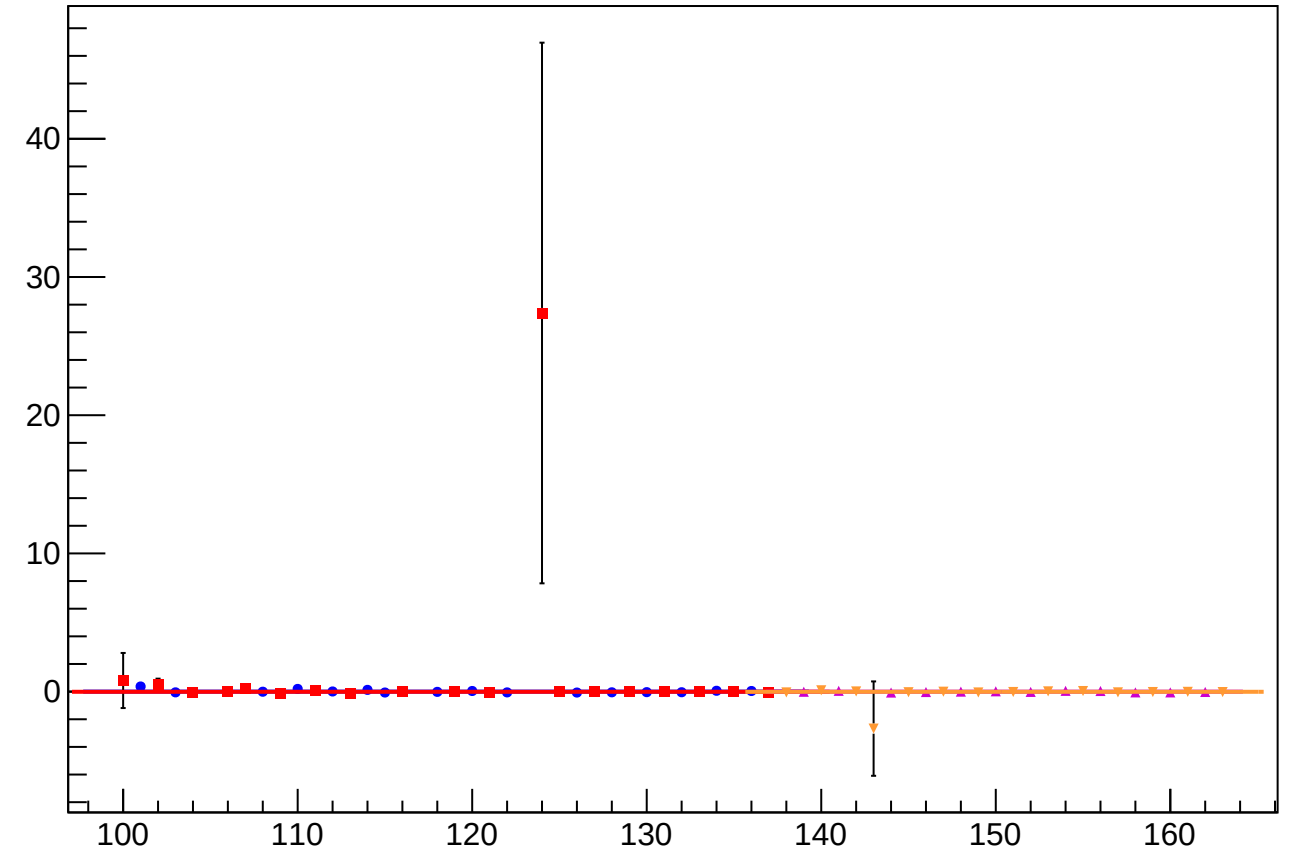
Left: 32.298+/-0.005 χ^2/NDF: 1911705.8/25

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.912+/-0.006 χ^2/NDF:1921197.2/27

Out: 32.581+/-0.006 χ^2/NDF:3805002.3/32

All: 32.746+/-0.004 χ^2/NDF: 5727621.7/60



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.011 χ^2/NDF:15.6/11

Left: -0.008+/-0.008 χ^2/NDF: 32.2/25

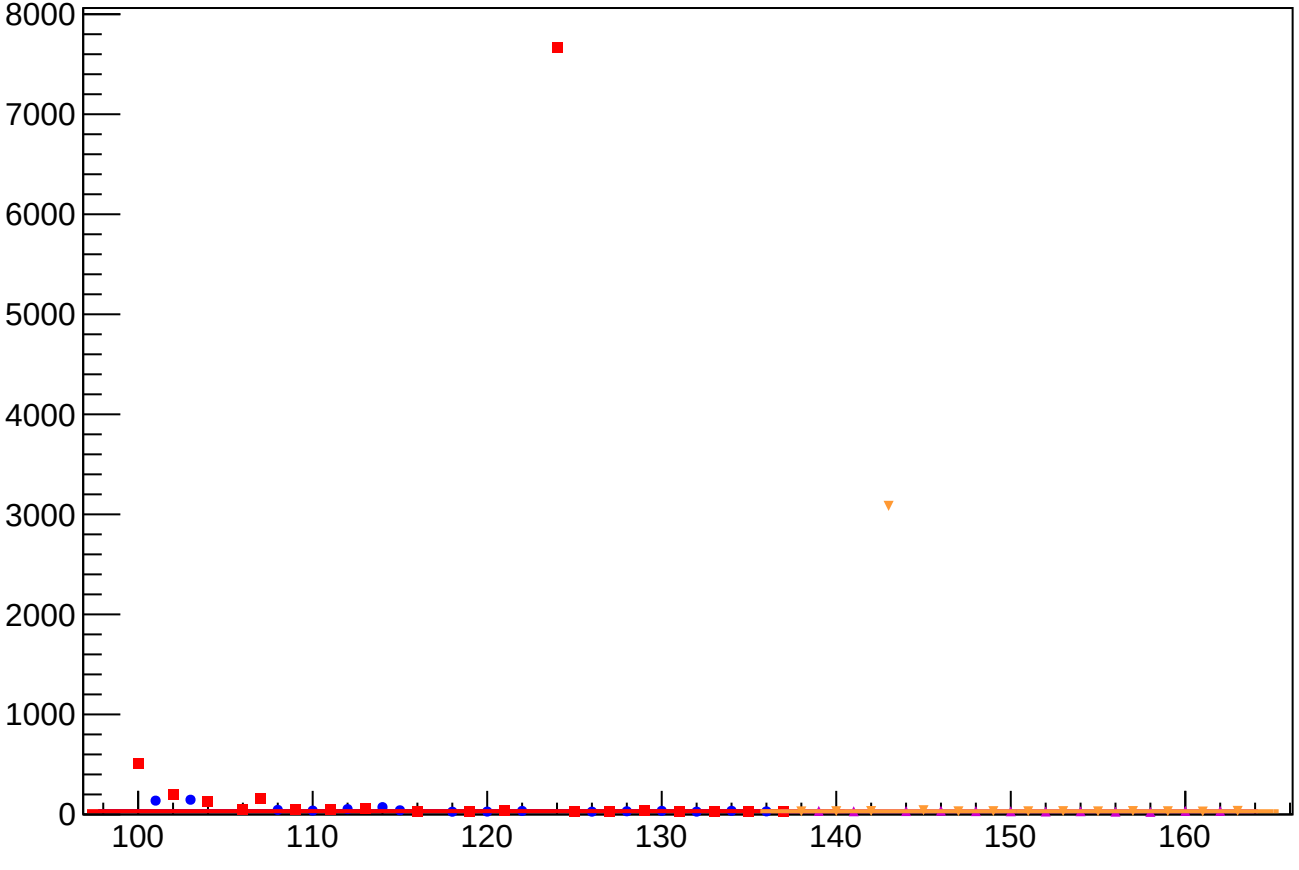
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.009 χ^2/NDF:36.7/27

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.007+/-0.006 χ^2/NDF: 68.0/60

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: 32.313+/-0.008 χ^2/NDF:1726374.5/13

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.283+/-0.008 χ^2/NDF:185323.8/11

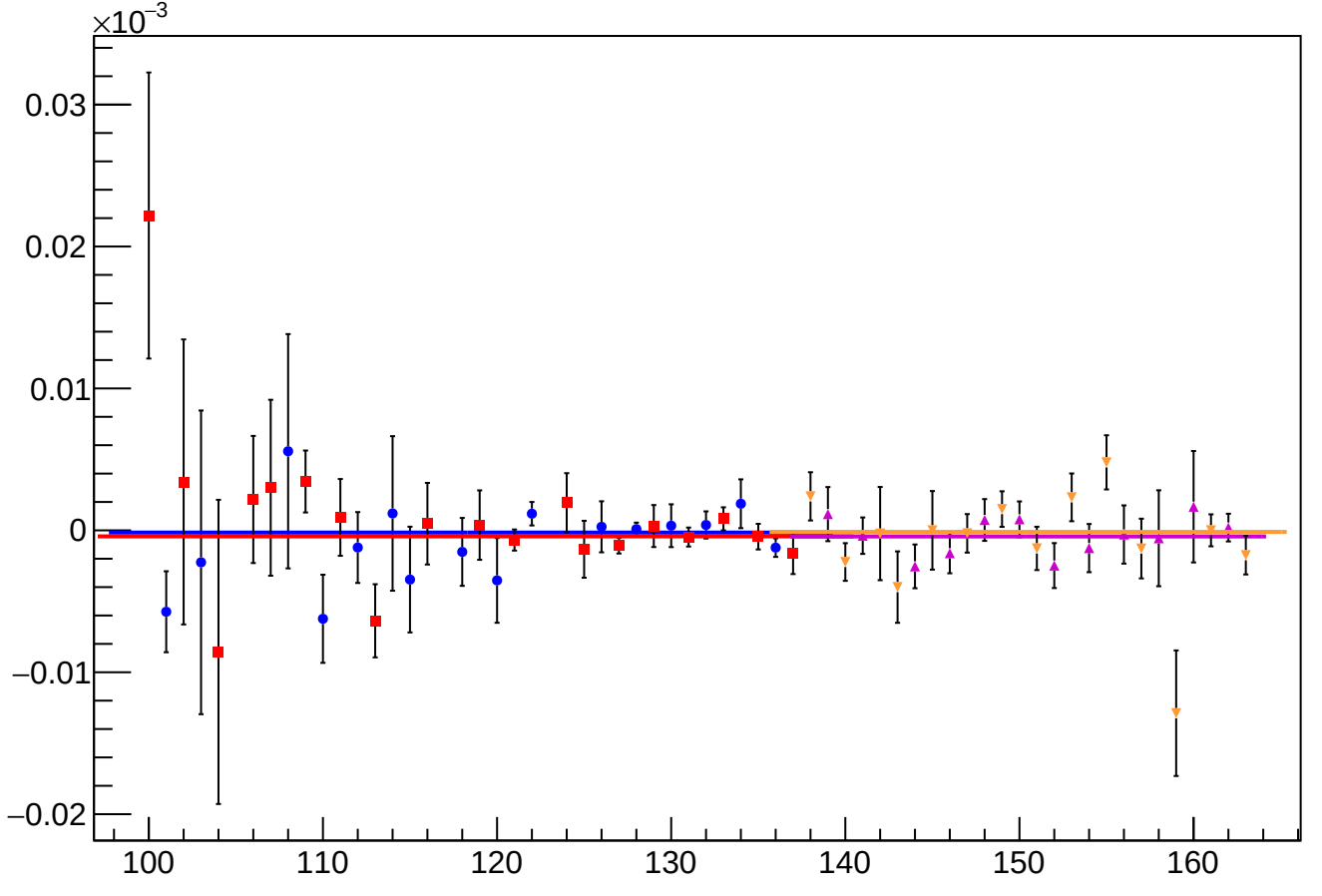
Left: 32.298+/-0.005 χ^2/NDF: 1911705.8/25

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.912+/-0.006 χ^2/NDF:1921197.2/27

Out: 32.581+/-0.006 χ^2/NDF:3805002.3/32

All: 32.746+/-0.004 χ^2/NDF: 5727621.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/11

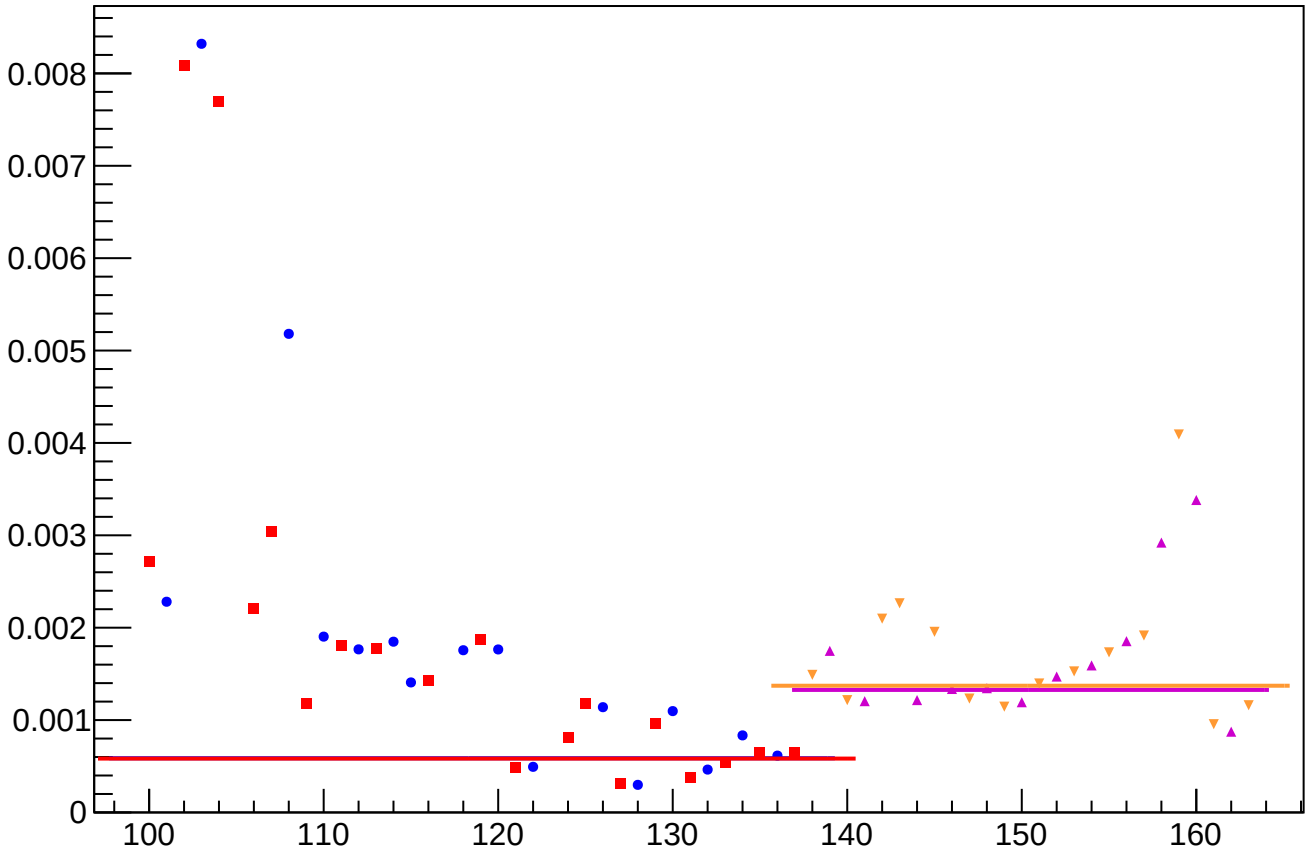
Left: -0.000+/-0.000 χ^2/NDF: 35.8/25

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.8/27

Out: -0.000+/-0.000 χ^2/NDF:50.1/32

All: -0.000+/-0.000 χ^2/NDF: 76.0/60



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:1862420.4/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:1770839.0/11

Left: 0.001+/-0.000 χ^2/NDF: 3643809.2/25

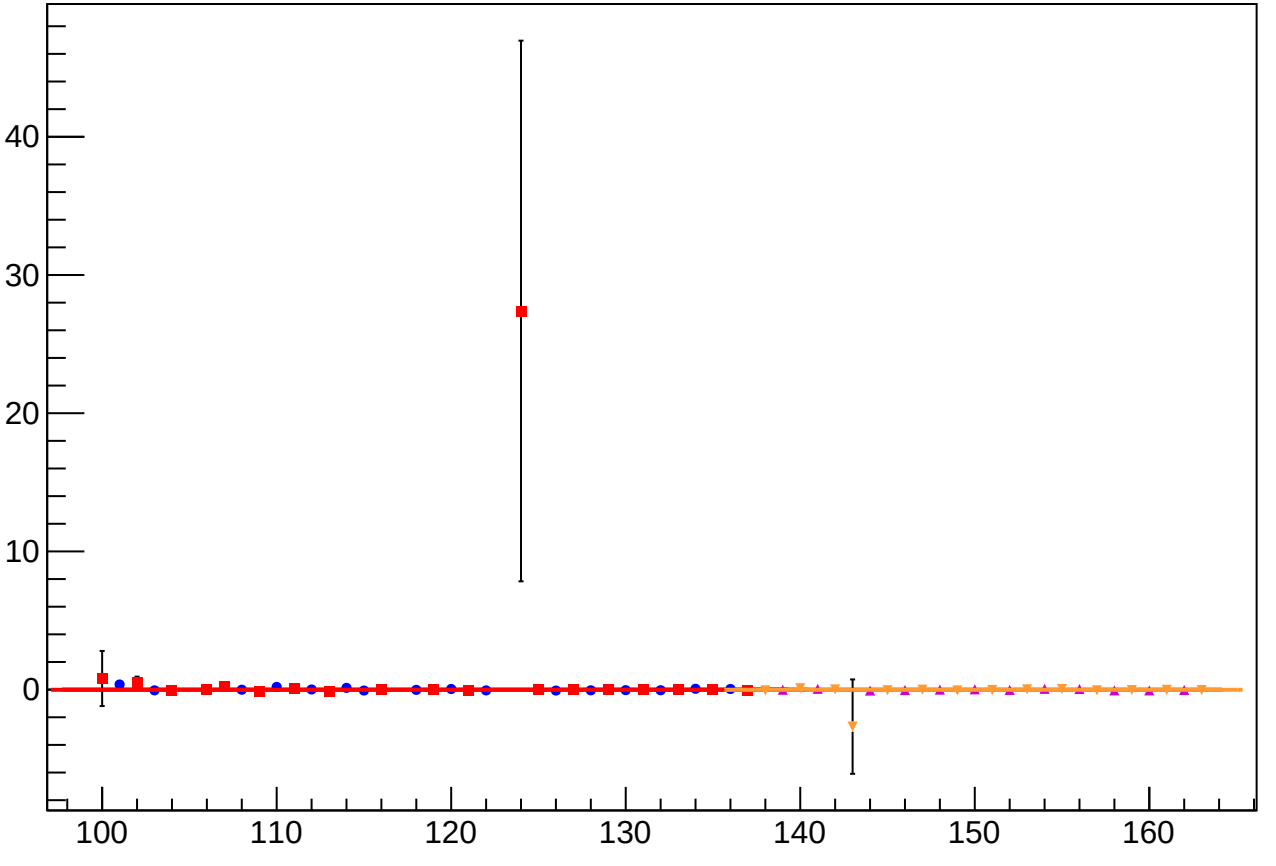
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11122614.3/27

Out: 0.001+/-0.000 χ^2/NDF:11805231.7/32

All: 0.001+/-0.000 χ^2/NDF: 22928026.1/60

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: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.011 χ^2/NDF:15.6/11

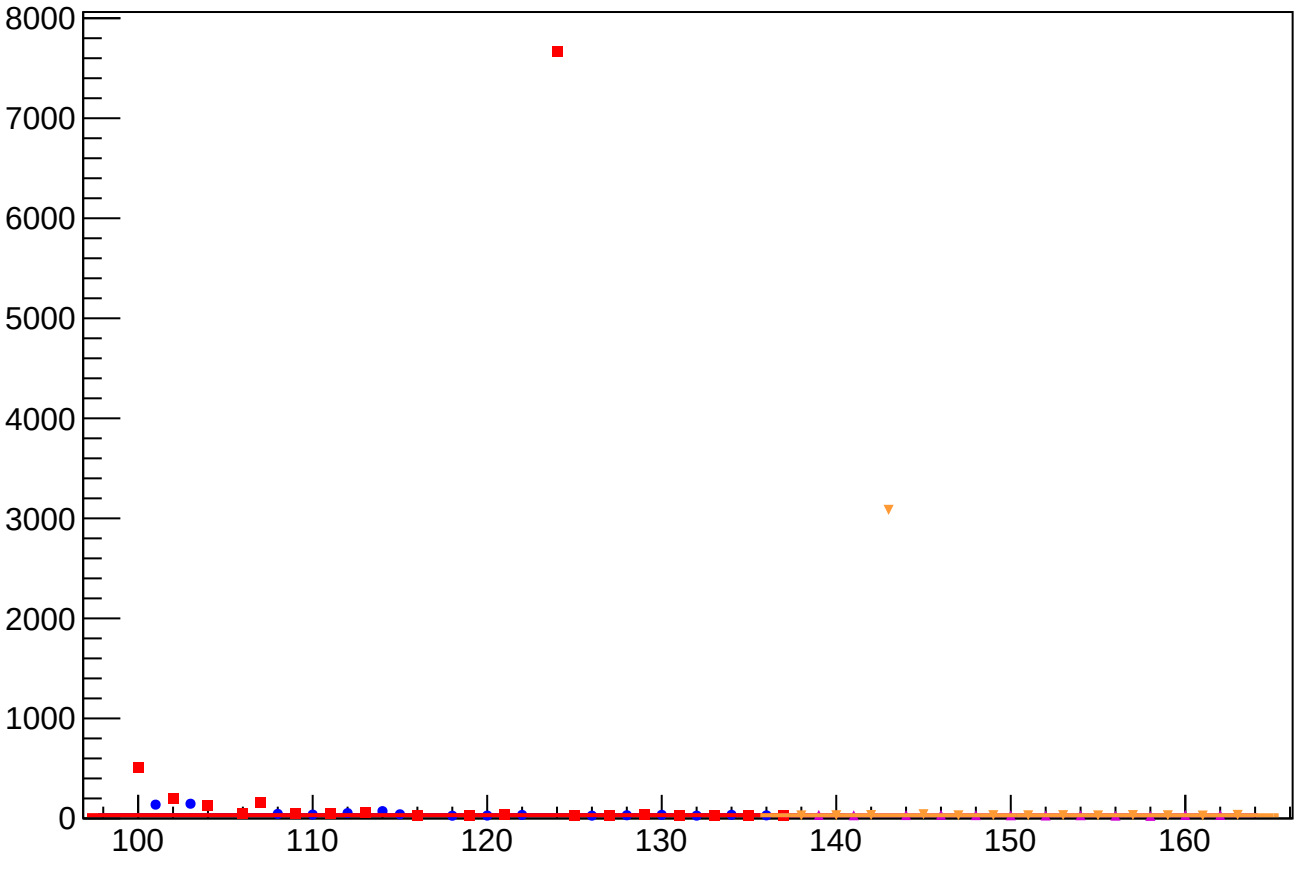
Left: -0.008+/-0.008 χ^2/NDF: 32.2/25

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.009 χ^2/NDF:36.7/27

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.007+/-0.006 χ^2/NDF: 68.0/60



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.313+/-0.008 χ^2/NDF:1726368.7/13

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.008 χ^2/NDF:185257.0/11

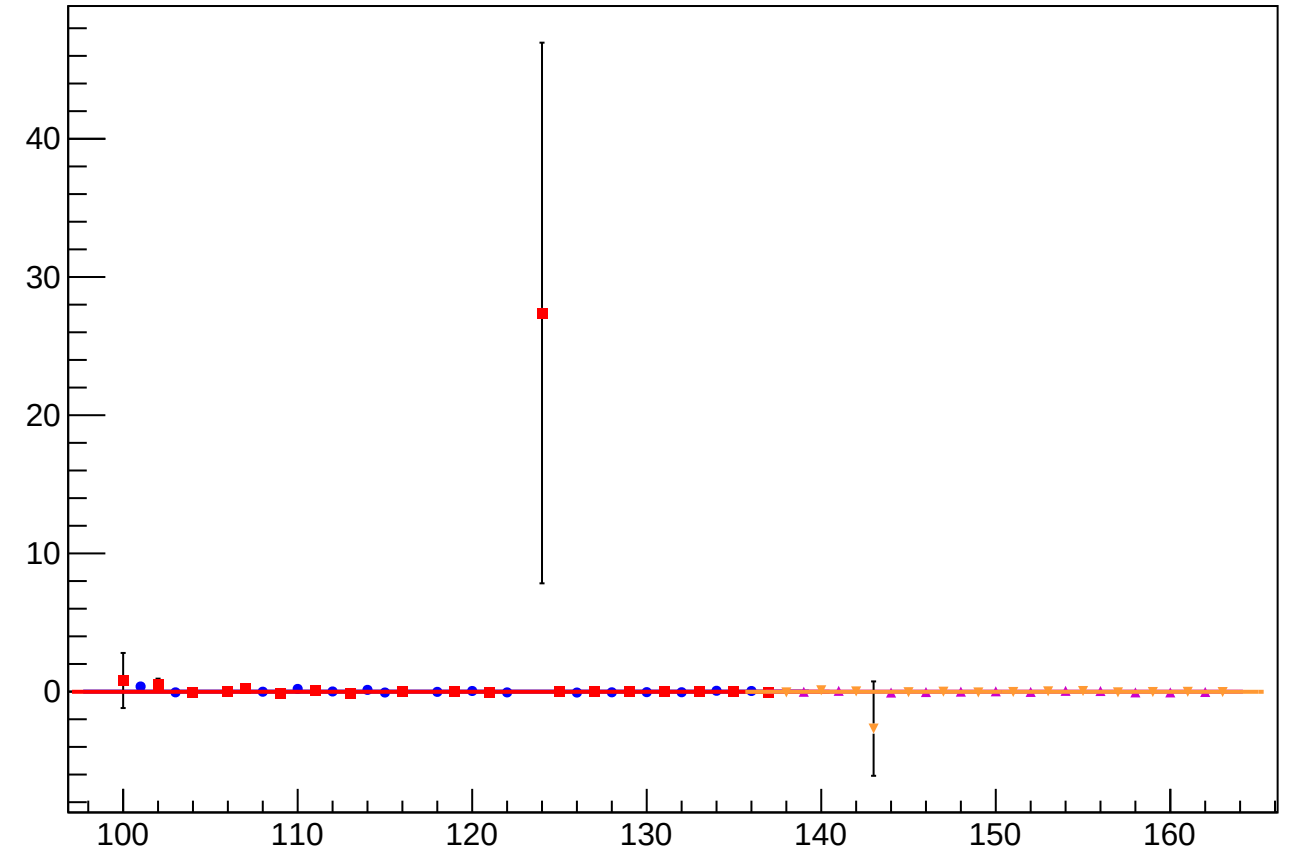
Left: 32.299+/-0.005 χ^2/NDF: 1911633.0/25

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.913+/-0.006 χ^2/NDF:1921111.3/27

Out: 32.581+/-0.006 χ^2/NDF:3804976.5/32

All: 32.746+/-0.004 χ^2/NDF: 5727512.2/60



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.012+/-0.011 χ^2/NDF:16.4/13

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.011 χ^2/NDF:15.6/11

Left: -0.008+/-0.008 χ^2/NDF: 32.2/25

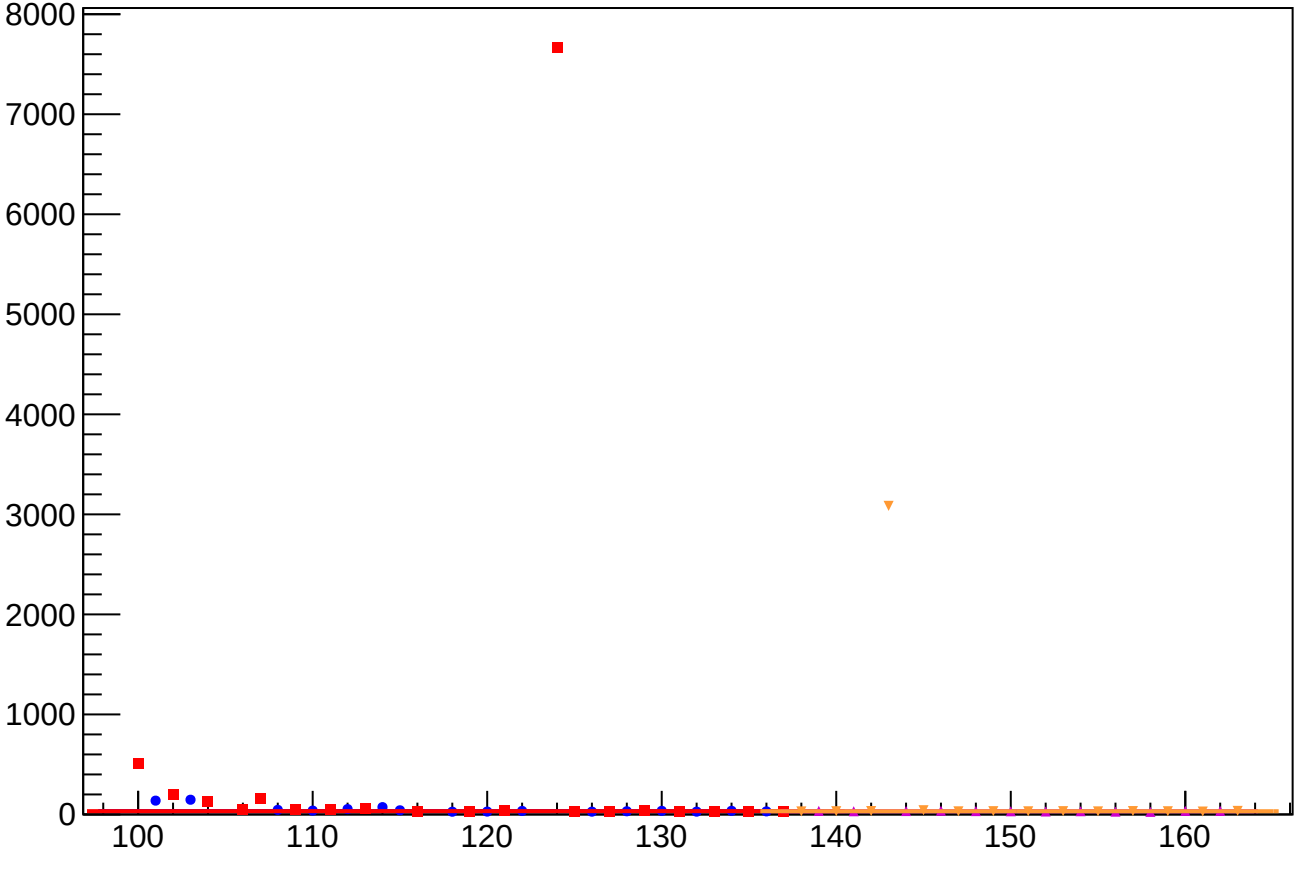
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.002+/-0.009 χ^2/NDF:36.7/27

Out: -0.012+/-0.009 χ^2/NDF:30.7/32

All: -0.007+/-0.006 χ^2/NDF: 68.0/60

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: 32.313+/-0.008 χ^2/NDF:1726368.7/13

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.284+/-0.008 χ^2/NDF:185257.0/11

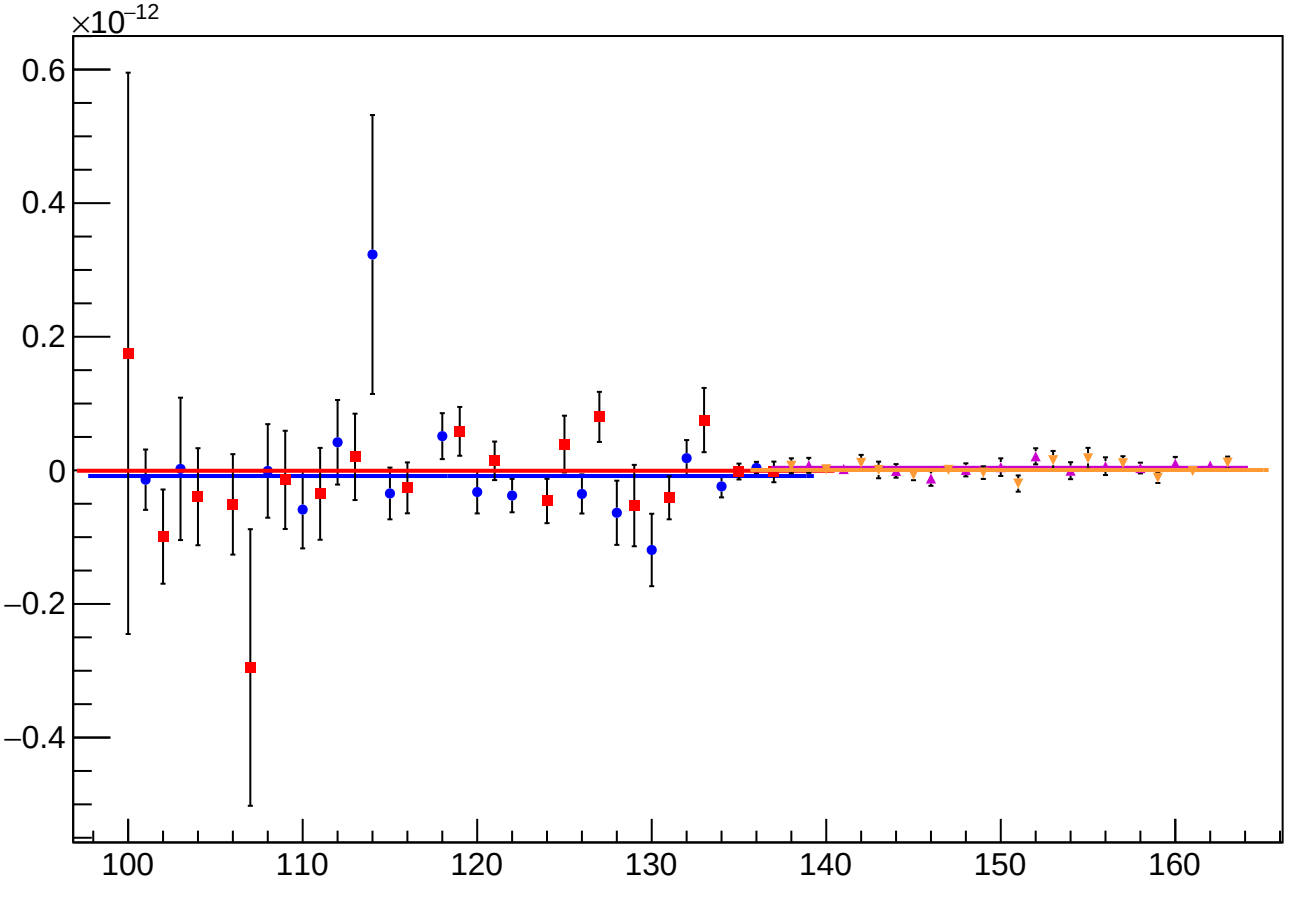
Left: 32.299+/-0.005 χ^2/NDF: 1911633.0/25

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.913+/-0.006 χ^2/NDF:1921111.3/27

Out: 32.581+/-0.006 χ^2/NDF:3804976.5/32

All: 32.746+/-0.004 χ^2/NDF: 5727512.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/11

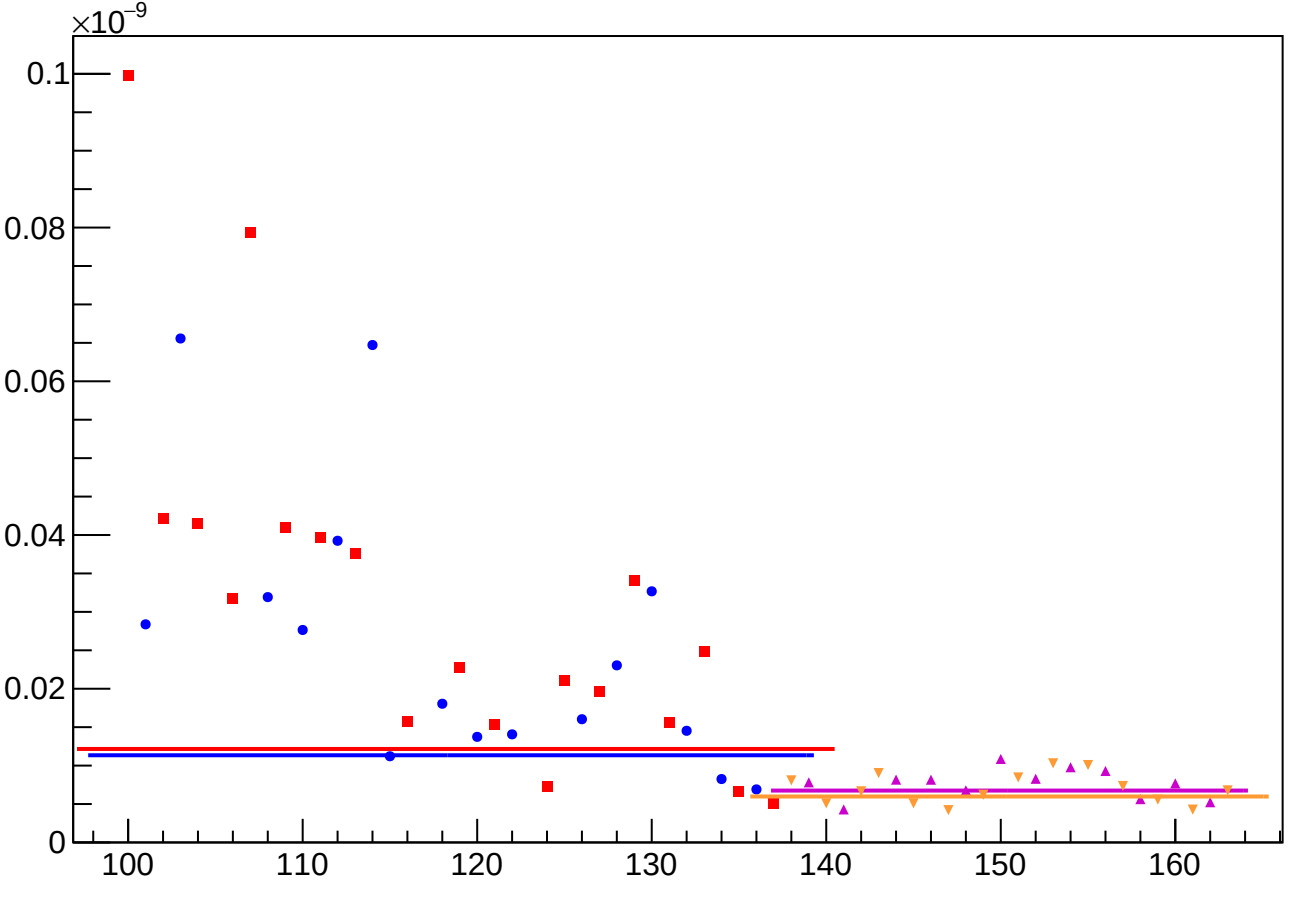
Left: 0.000+/-0.000 χ^2/NDF: 18.1/25

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:27.8/27

Out: 0.000+/-0.000 χ^2/NDF:32.7/32

All: 0.000+/-0.000 χ^2/NDF: 60.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1003777.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:966454.8/11

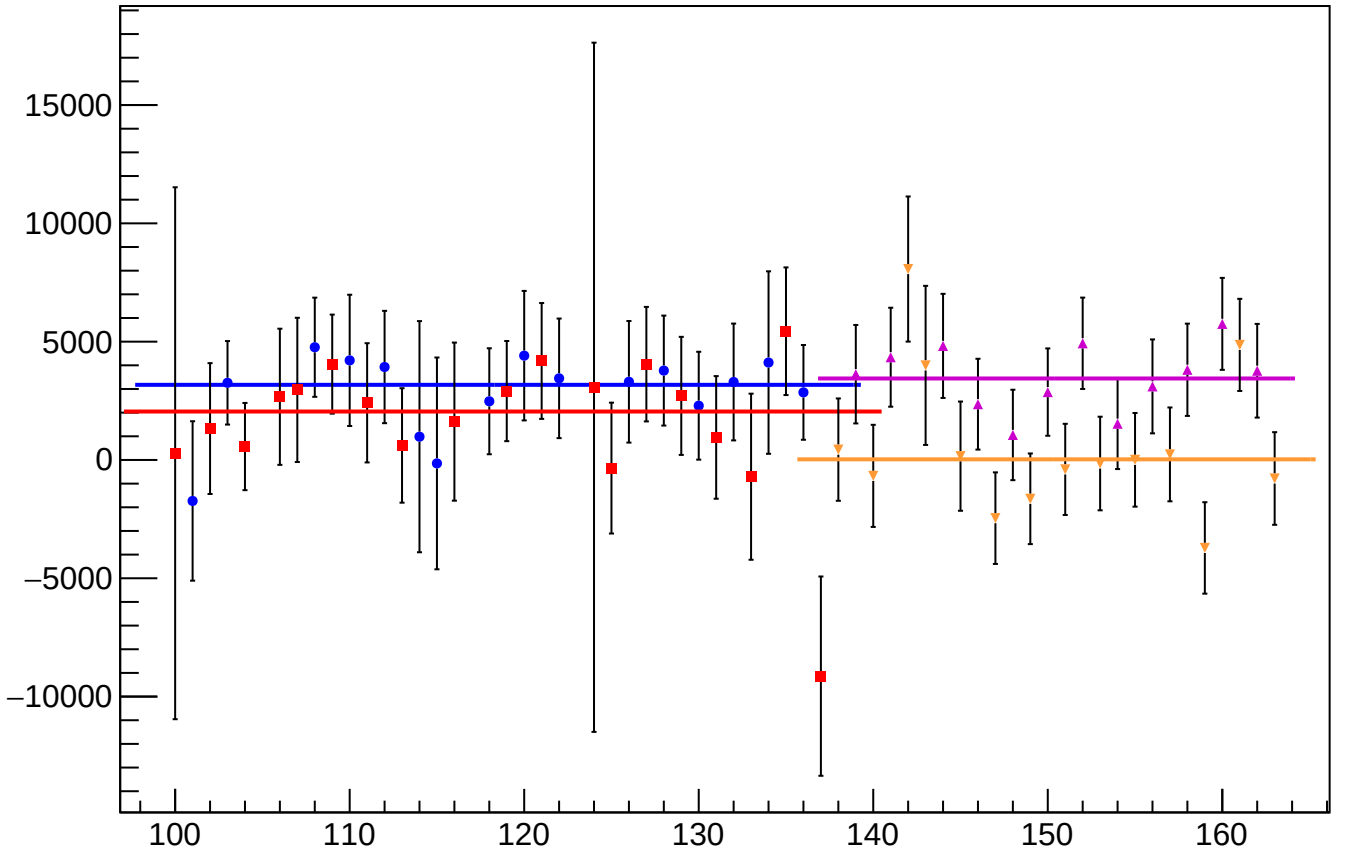
Left: 0.000+/-0.000 χ^2/NDF: 2059228.3/25

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4648597.8/27

Out: 0.000+/-0.000 χ^2/NDF:6070684.6/32

All: 0.000+/-0.000 χ^2/NDF: 10850056.7/60



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.968+/-560.929 χ^2/NDF:21.0/13

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3443.708+/-569.586 χ^2/NDF:5.7/11

Left: 1709.174+/-399.662 χ^2/NDF: 44.9/25

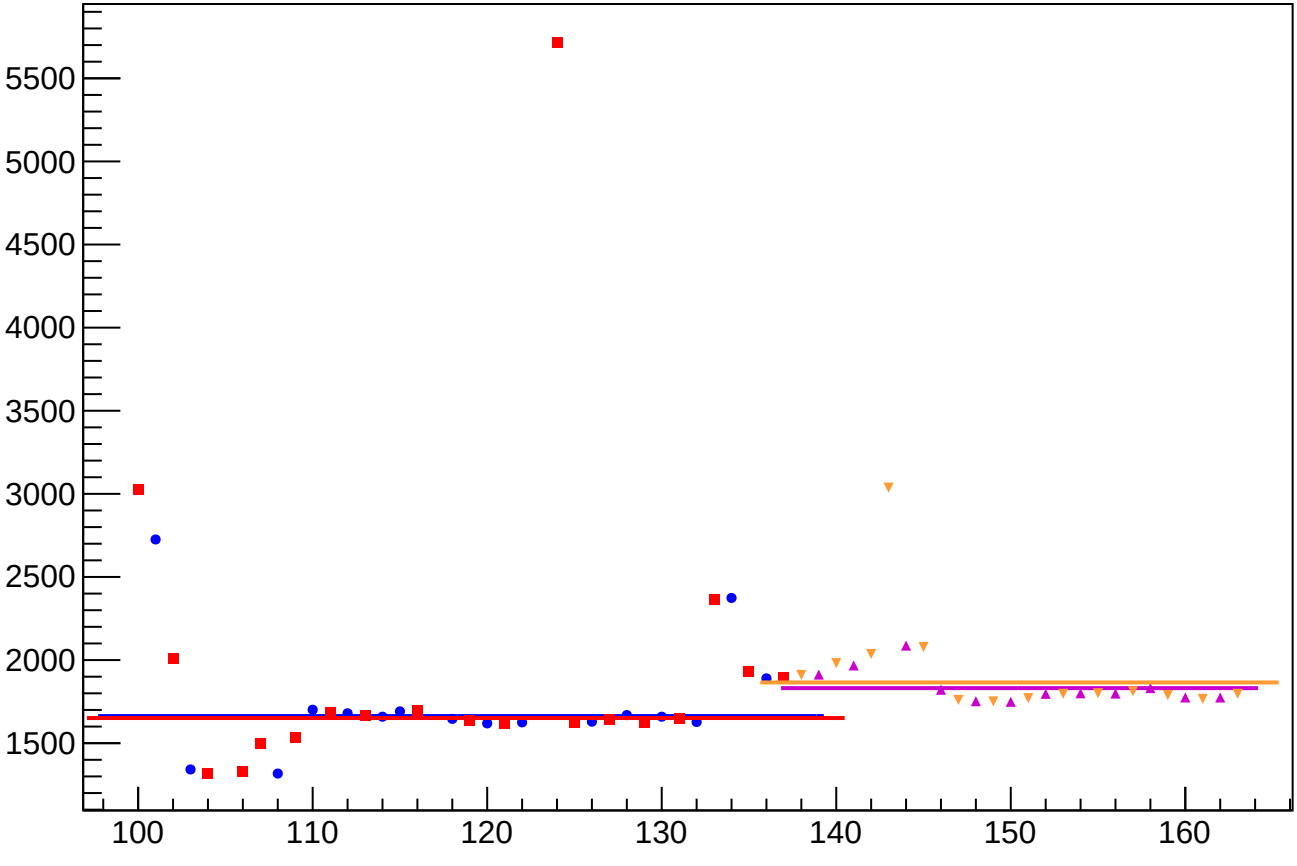
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3322.698+/-421.899 χ^2/NDF:10.1/27

Out: 933.960+/-416.408 χ^2/NDF:40.9/32

All: 2112.683+/-296.367 χ^2/NDF: 67.2/60

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1831.185+/-0.403 χ^2/NDF:51048.4/11

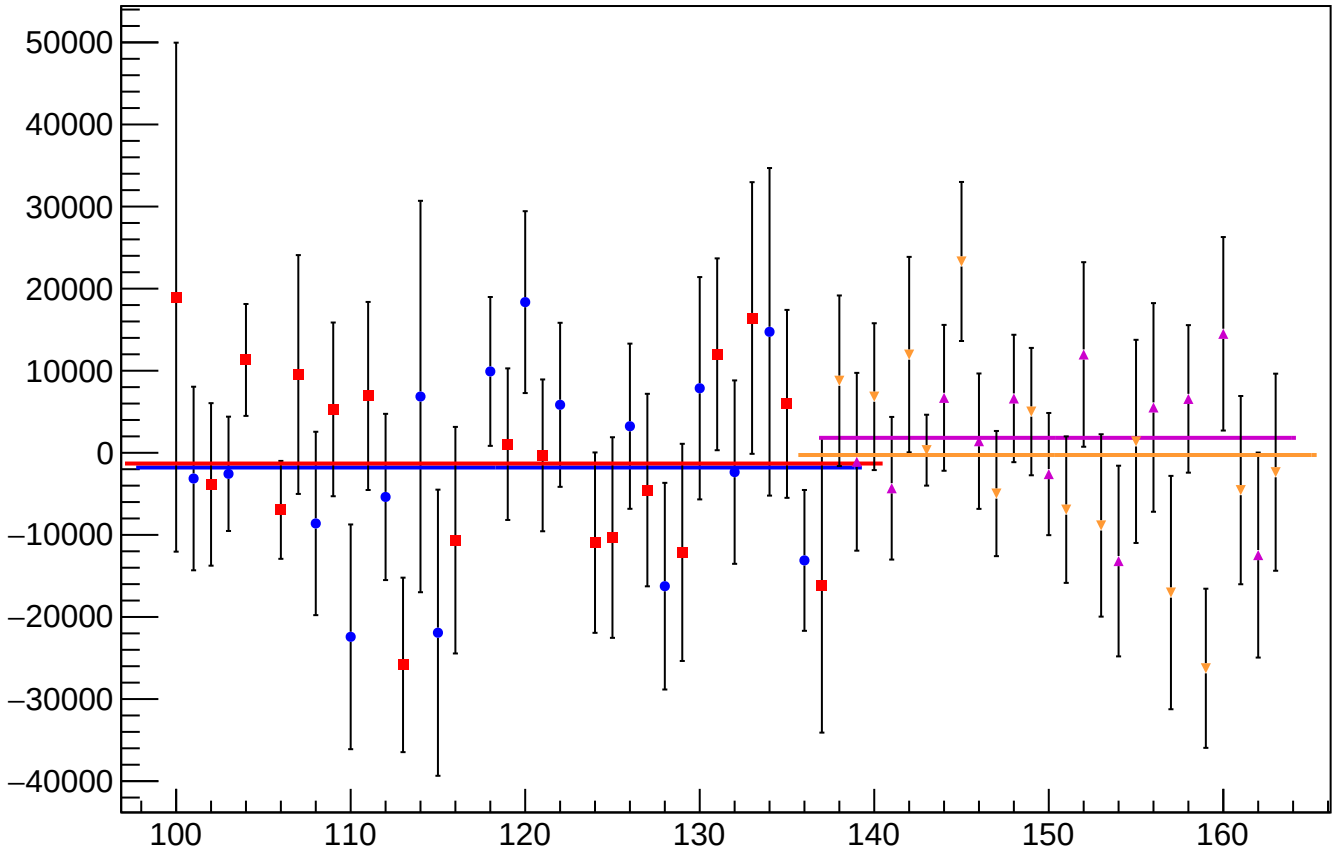
Left: 1848.573+/-0.283 χ^2/NDF: 362155.1/25

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1755.231+/-0.298 χ^2/NDF:545474.9/27

Out: 1769.319+/-0.294 χ^2/NDF:870218.7/32

All: 1762.367+/-0.210 χ^2/NDF: 1416823.2/60



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: -267.717+/-2329.869 χ^2/NDF:19.1/13

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 1822.913+/-2759.768 χ^2/NDF:6.9/11

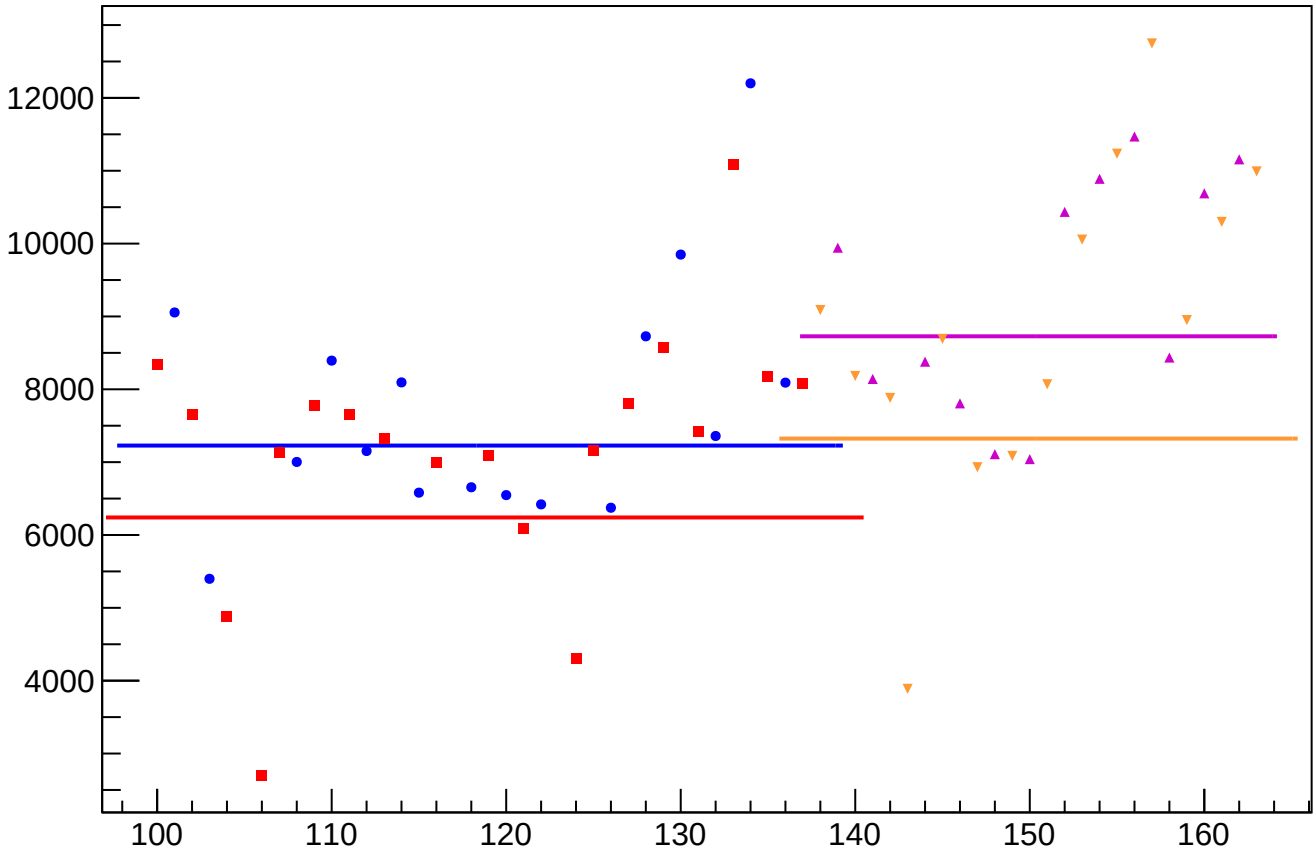
Left: 602.262+/-1780.281 χ^2/NDF: 26.4/25

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: 5.336+/-1945.715 χ^2/NDF:22.1/27

Out: -765.162+/-1681.772 χ^2/NDF:37.0/32

All: -435.681+/-1272.357 χ^2/NDF: 59.2/60



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 7323.399+/-1.647 χ^2/NDF:2396602.9/13

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8727.437+/-1.951 χ^2/NDF:593713.6/11

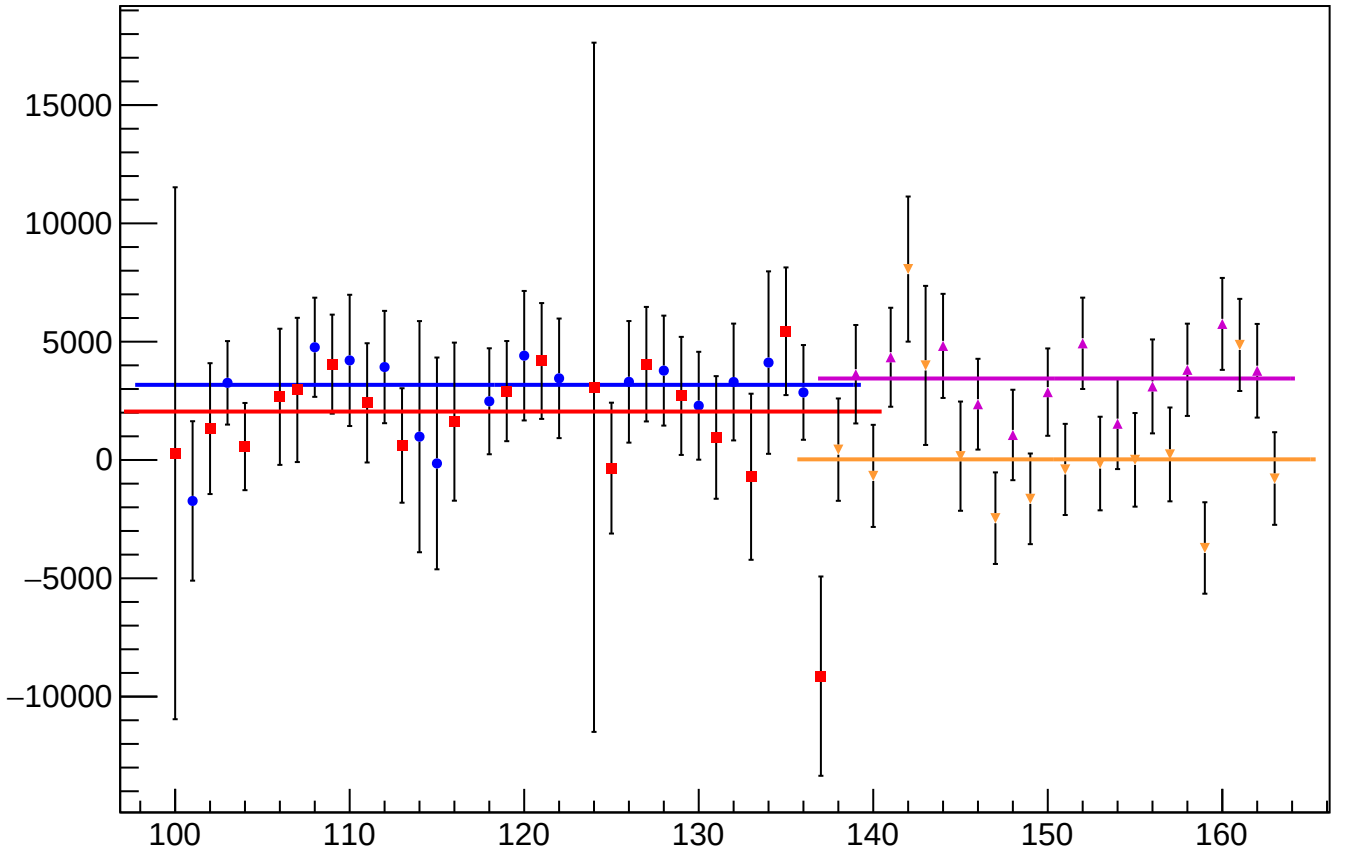
Left: 7907.665+/-1.259 χ^2/NDF: 3292559.8/25

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7973.112+/-1.376 χ^2/NDF:1394066.0/27

Out: 6804.761+/-1.189 χ^2/NDF:4002597.5/32

All: 7304.373+/-0.900 χ^2/NDF: 5809427.1/60



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3443.767+/-569.586 χ^2/NDF:5.6/11

Left: 1709.152+/-399.662 χ^2/NDF: 44.9/25

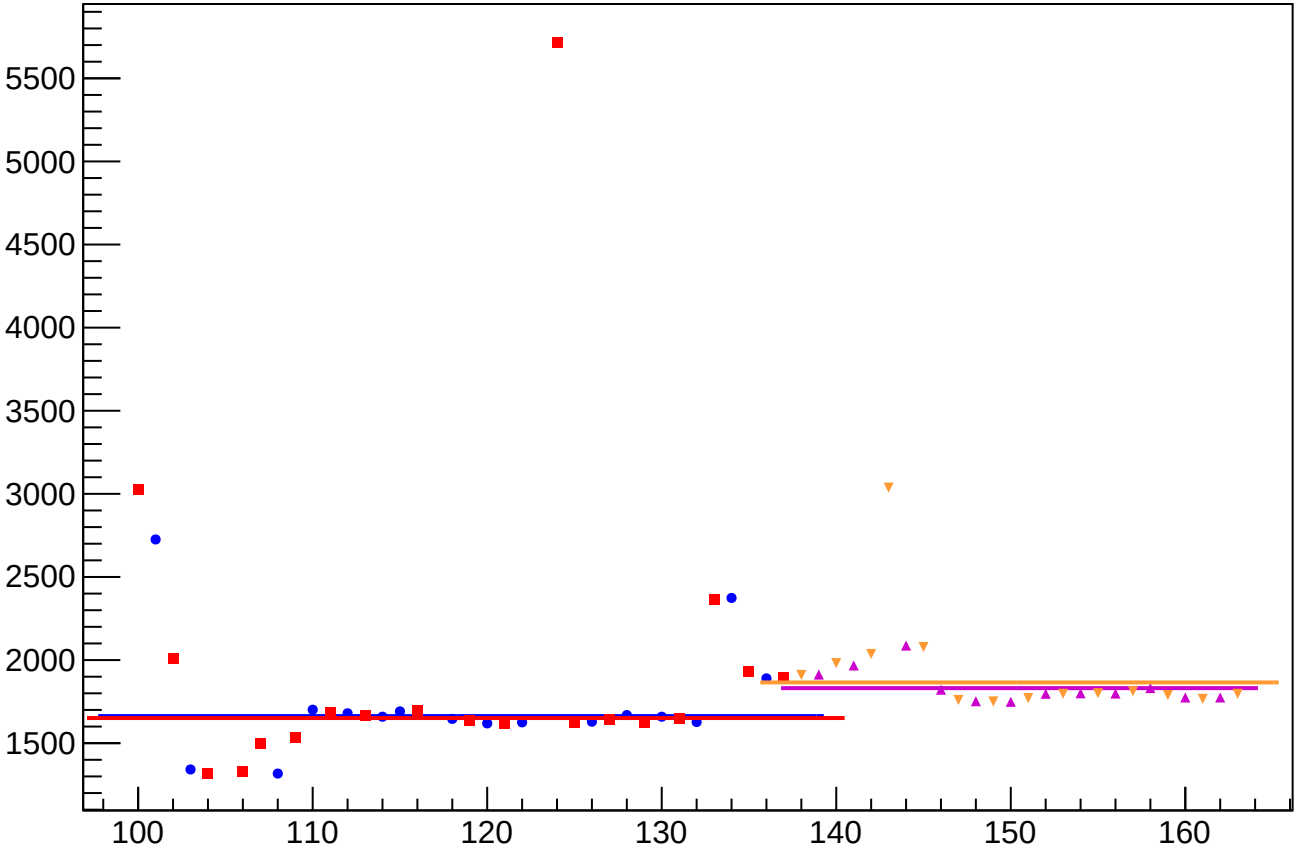
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3322.771+/-421.899 χ^2/NDF:10.1/27

Out: 933.818+/-416.408 χ^2/NDF:40.9/32

All: 2112.647+/-296.367 χ^2/NDF: 67.2/60

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1831.185+/-0.403 χ^2/NDF:51048.4/11

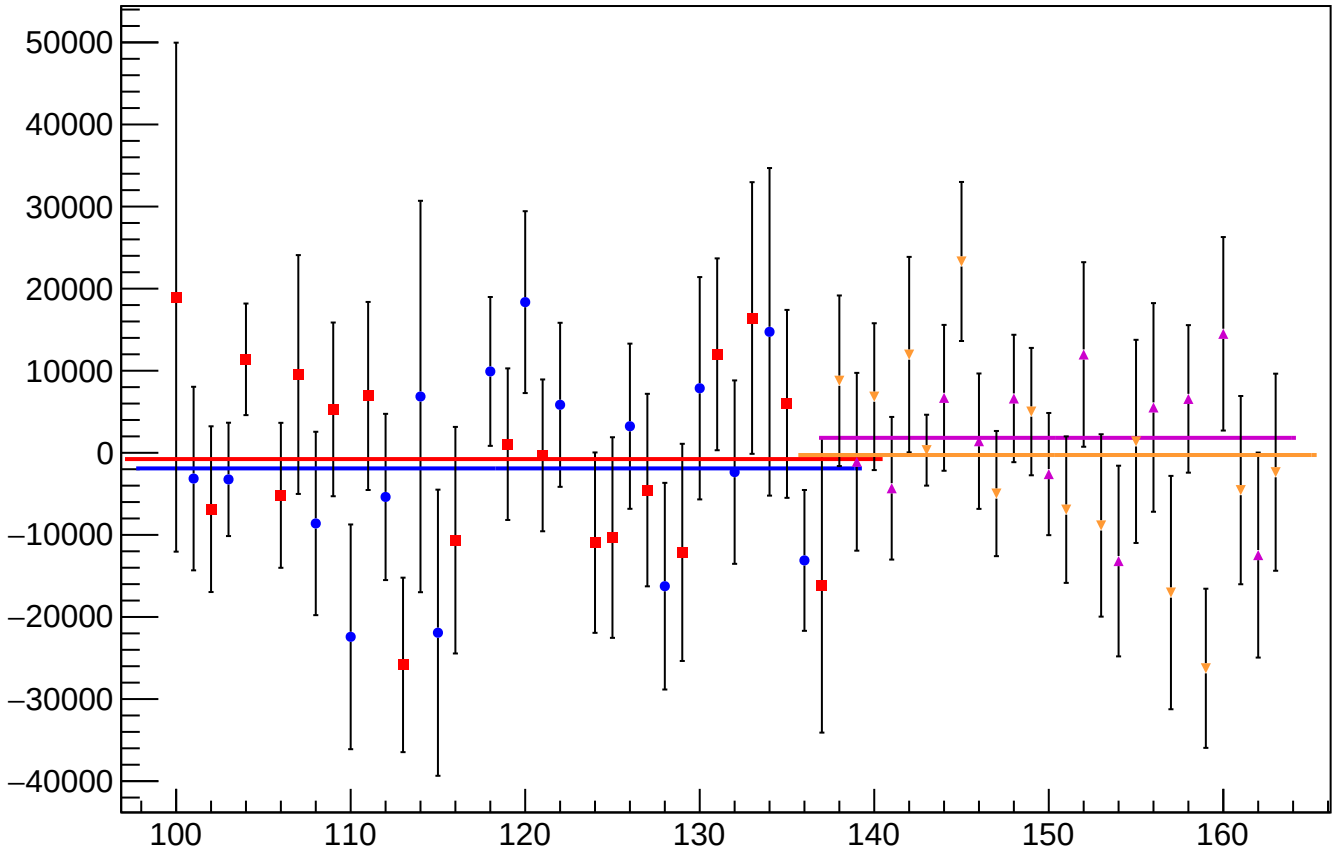
Left: 1848.573+/-0.283 χ^2/NDF: 362155.1/25

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1755.231+/-0.298 χ^2/NDF:545475.4/27

Out: 1769.318+/-0.294 χ^2/NDF:870219.0/32

All: 1762.367+/-0.210 χ^2/NDF: 1416824.0/60



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1823.024+/-2759.767 χ^2/NDF:6.9/11

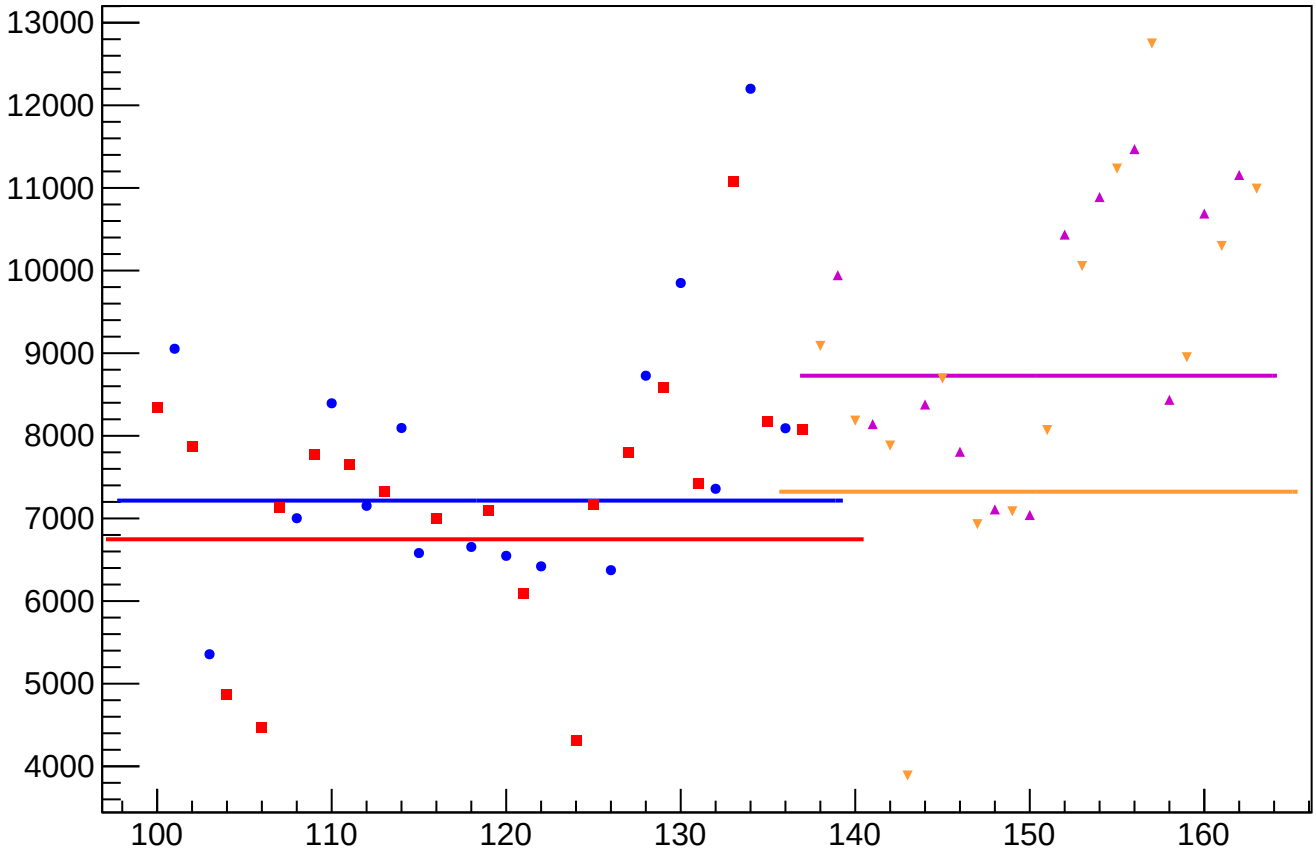
Left: 602.251+/-1780.277 χ^2/NDF: 26.4/25

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -51.963+/-1944.407 χ^2/NDF:22.2/27

Out: -492.896+/-1720.013 χ^2/NDF:36.4/32

All: -299.329+/-1288.297 χ^2/NDF: 58.7/60



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8727.432+/-1.951 χ^2/NDF:593717.1/11

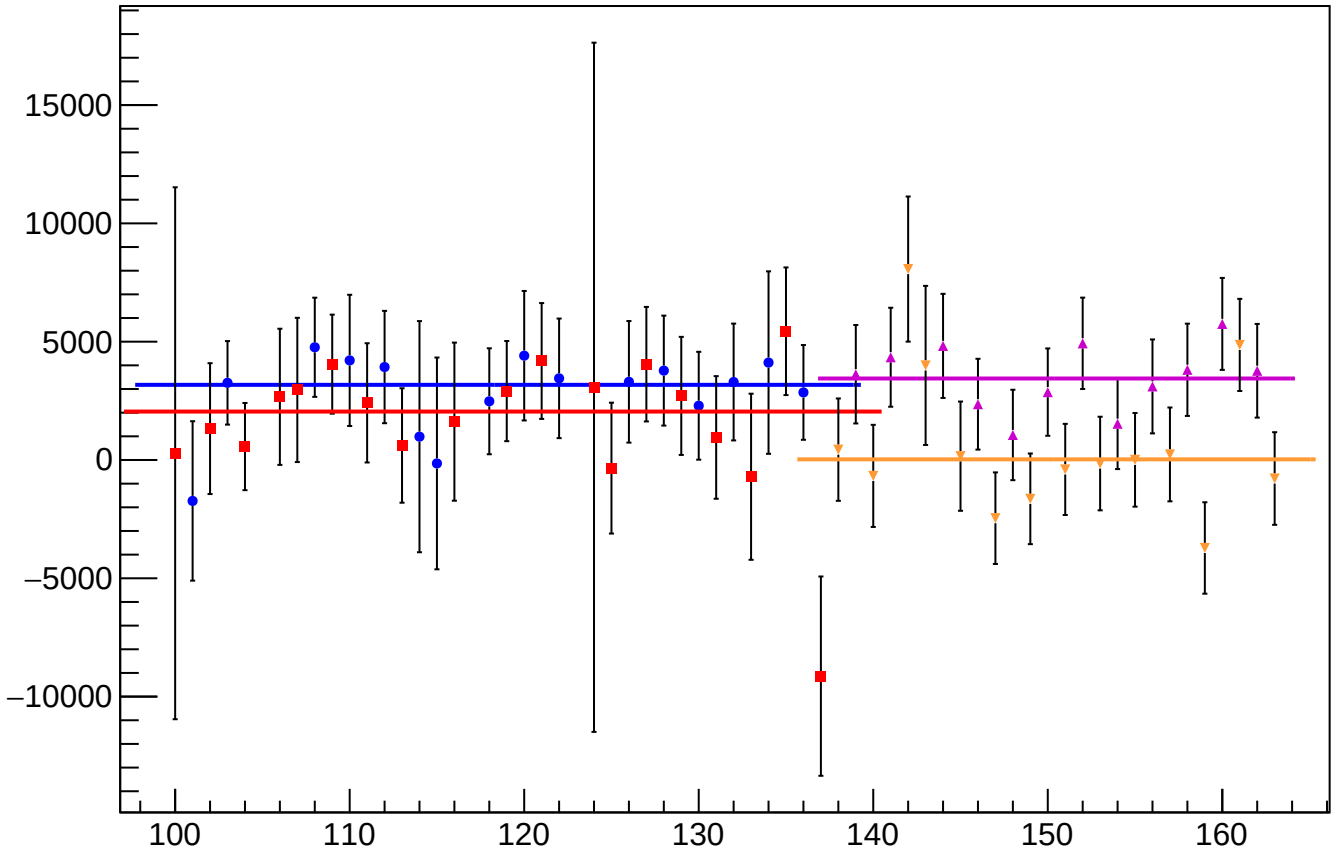
Left: 7907.640+/-1.259 χ^2/NDF: 3292632.7/25

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7966.286+/-1.375 χ^2/NDF:1407931.5/27

Out: 7061.458+/-1.216 χ^2/NDF:3160997.1/32

All: 7458.671+/-0.911 χ^2/NDF: 4811900.5/60



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 26.868+/-560.929 χ^2/NDF:21.0/13

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3443.767+/-569.586 χ^2/NDF:5.6/11

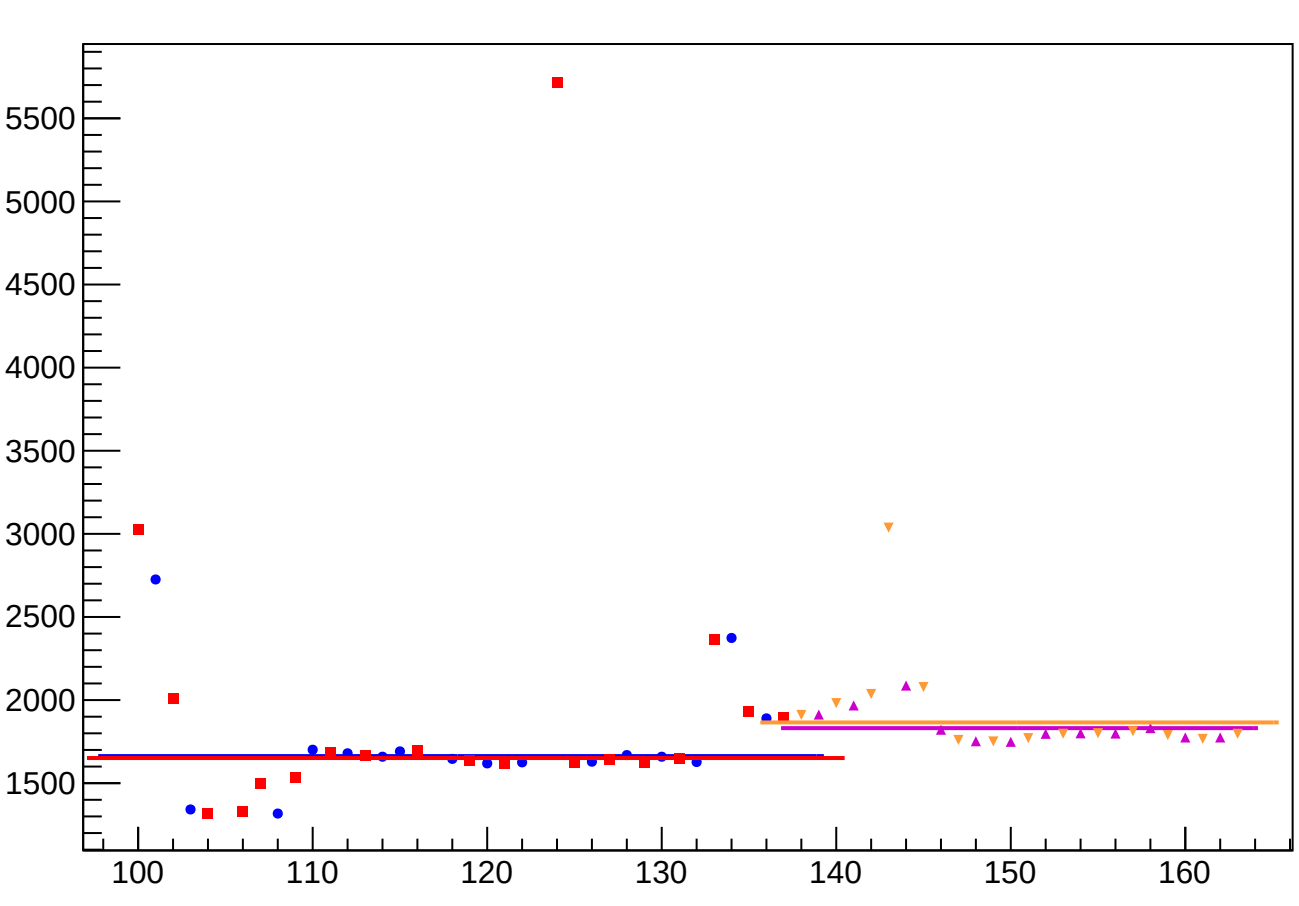
Left: 1709.152+/-399.662 χ^2/NDF: 44.9/25

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3322.771+/-421.899 χ^2/NDF:10.1/27

Out: 933.818+/-416.408 χ^2/NDF:40.9/32

All: 2112.647+/-296.367 χ^2/NDF: 67.2/60



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1865.437+/-0.397 χ^2/NDF:307435.0/13

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1831.185+/-0.403 χ^2/NDF:51048.4/11

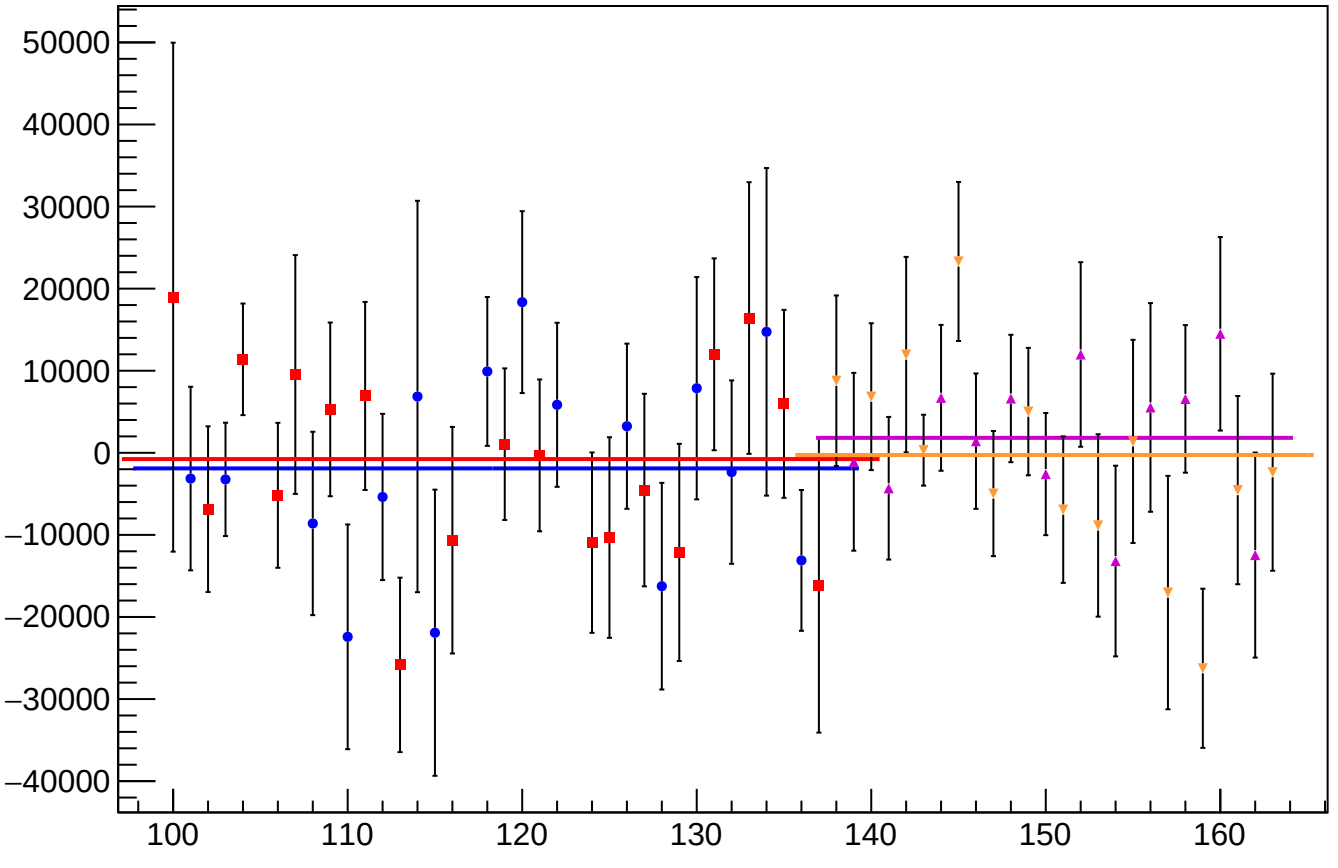
Left: 1848.573+/-0.283 χ^2/NDF: 362155.1/25

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1755.231+/-0.298 χ^2/NDF:545475.4/27

Out: 1769.318+/-0.294 χ^2/NDF:870219.0/32

All: 1762.367+/-0.210 χ^2/NDF: 1416824.0/60



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: -267.811+/-2329.860 χ^2/NDF:19.1/13

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1823.024+/-2759.767 χ^2/NDF:6.9/11

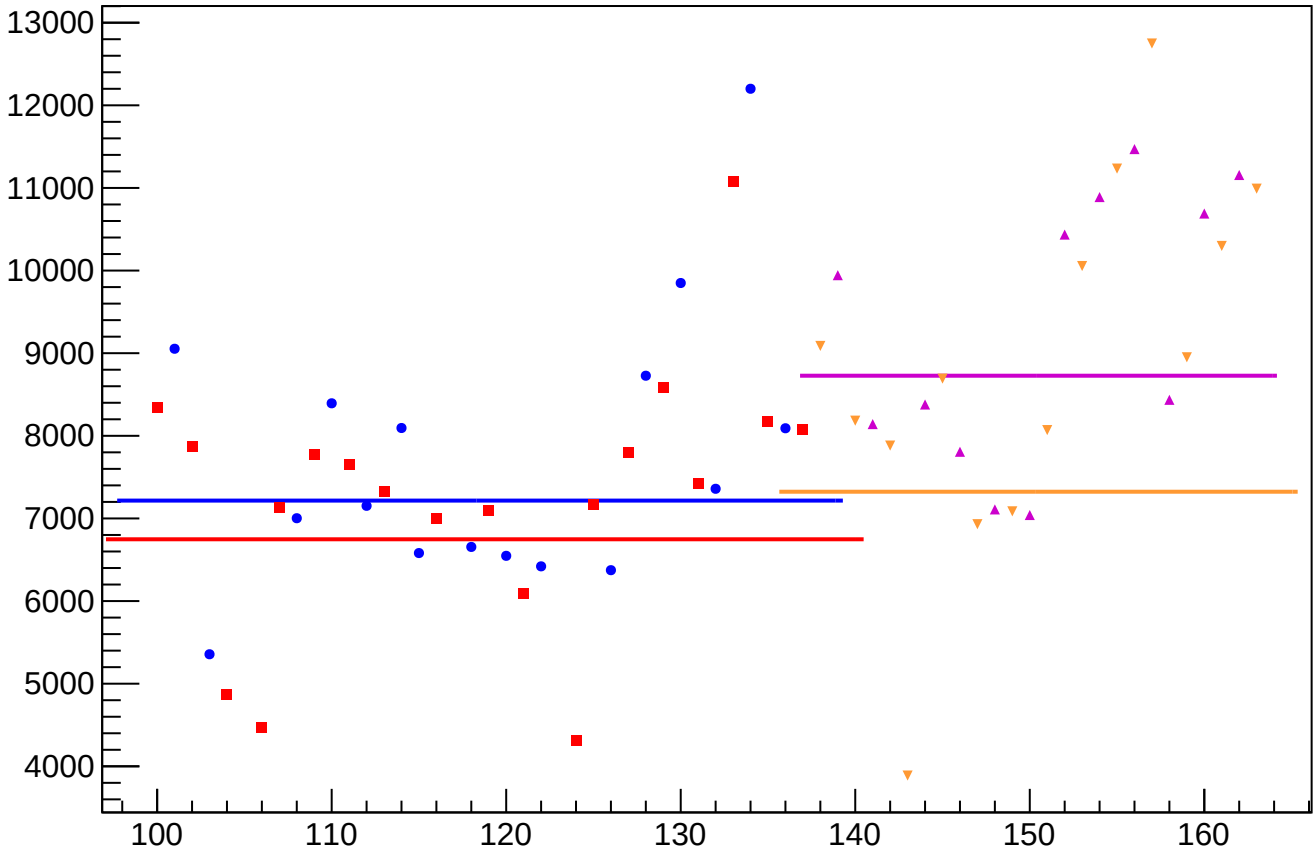
Left: 602.251+/-1780.277 χ^2/NDF: 26.4/25

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -51.963+/-1944.407 χ^2/NDF:22.2/27

Out: -492.896+/-1720.013 χ^2/NDF:36.4/32

All: -299.329+/-1288.297 χ^2/NDF: 58.7/60



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7323.363+/-1.647 χ^2/NDF:2396657.6/13

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8727.432+/-1.951 χ^2/NDF:593717.1/11

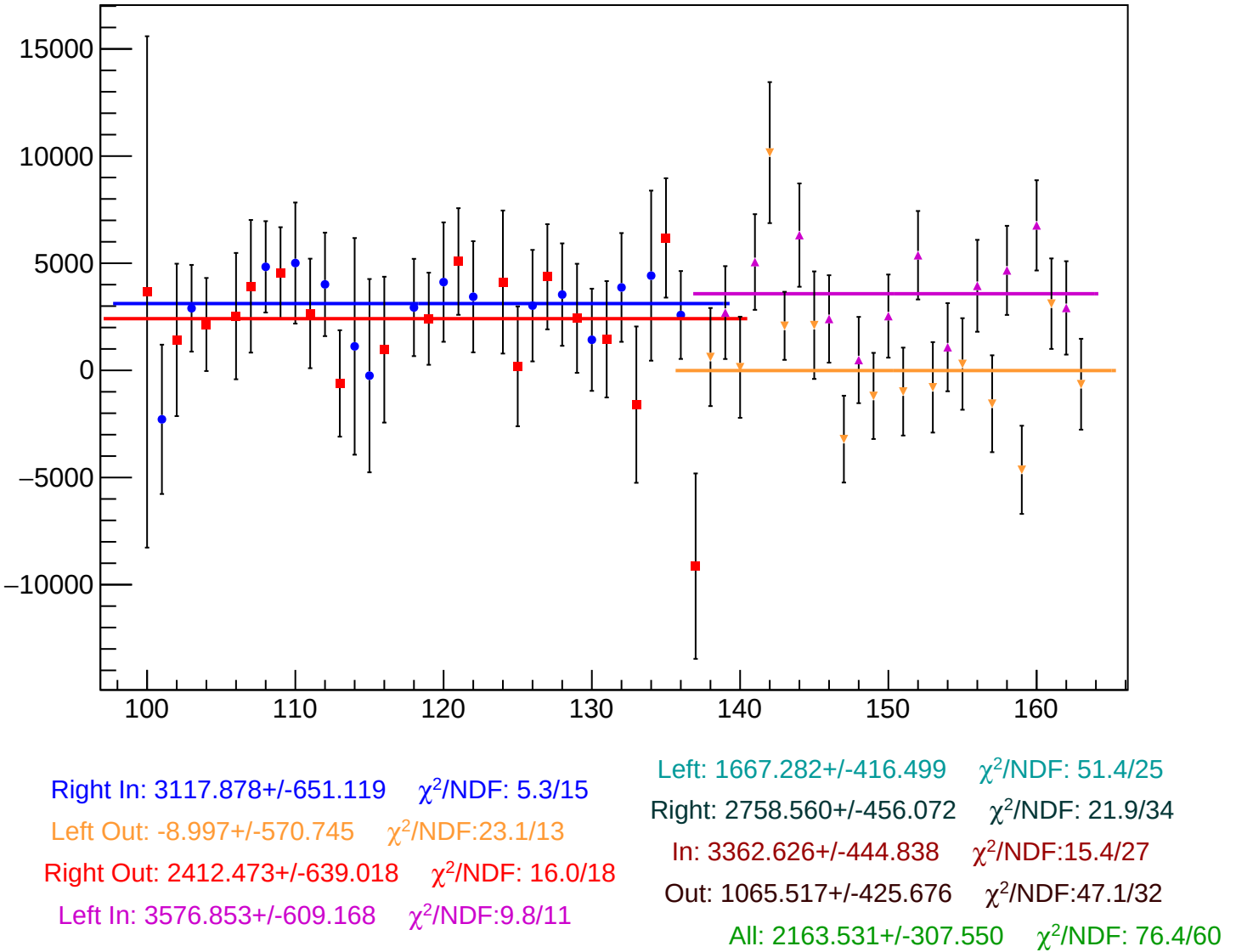
Left: 7907.640+/-1.259 χ^2/NDF: 3292632.7/25

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

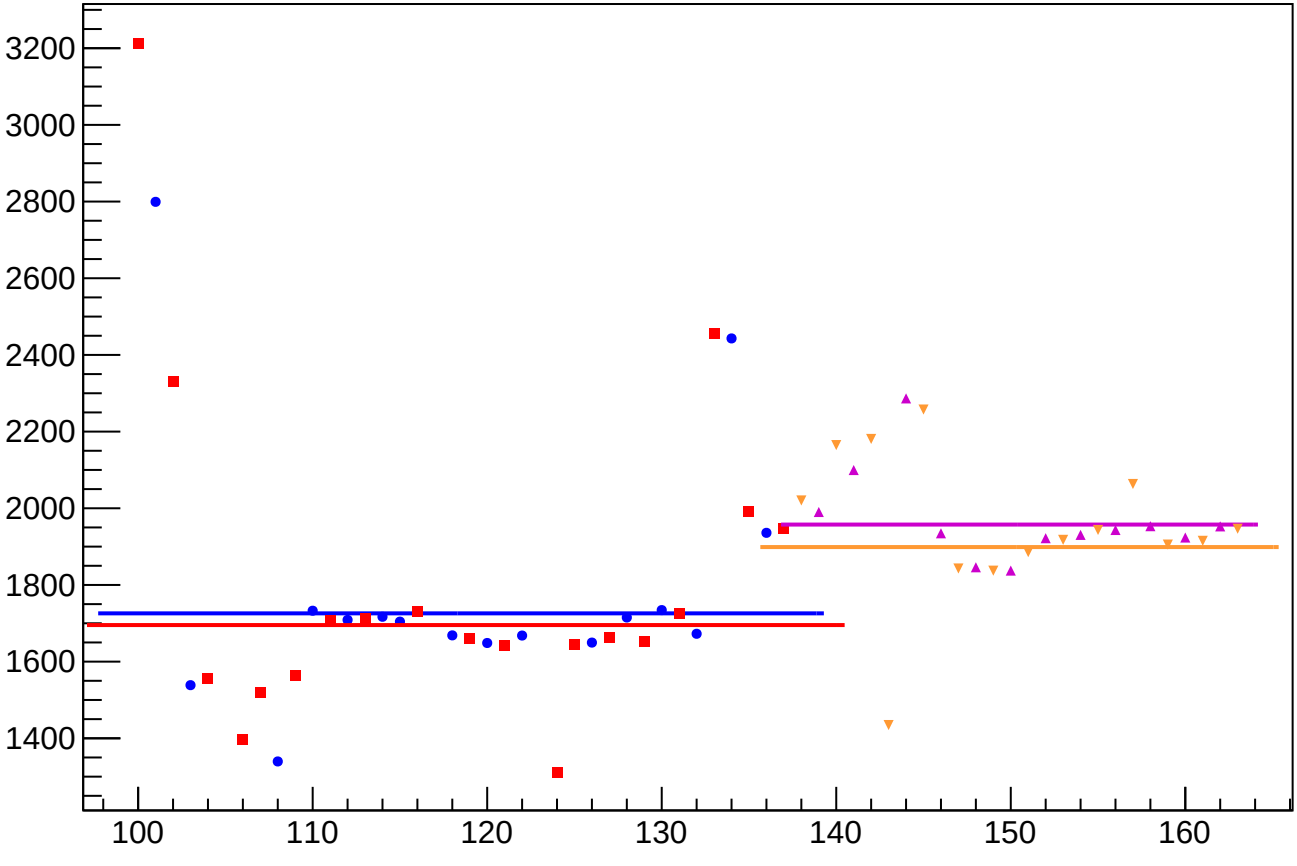
In: 7966.286+/-1.375 χ^2/NDF:1407931.5/27

Out: 7061.458+/-1.216 χ^2/NDF:3160997.1/32

All: 7458.671+/-0.911 χ^2/NDF: 4811900.5/60


dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 3117.878+/-651.119 χ²/NDF: 5.3/15
Left Out: -8.997+/-570.745 χ²/NDF:23.1/13
Right Out: 2412.473+/-639.018 χ²/NDF: 16.0/18
Left In: 3576.853+/-609.168 χ²/NDF:9.8/11
Left: 1667.282+/-416.499 χ²/NDF: 51.4/25
Right: 2758.560+/-456.072 χ²/NDF: 21.9/34
In: 3362.626+/-444.838 χ²/NDF:15.4/27
Out: 1065.517+/-425.676 χ²/NDF:47.1/32
All: 2163.531+/-307.550 χ²/NDF: 76.4/60

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1898.815+/-0.404 χ^2/NDF:273847.5/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1957.505+/-0.431 χ^2/NDF:61451.9/11

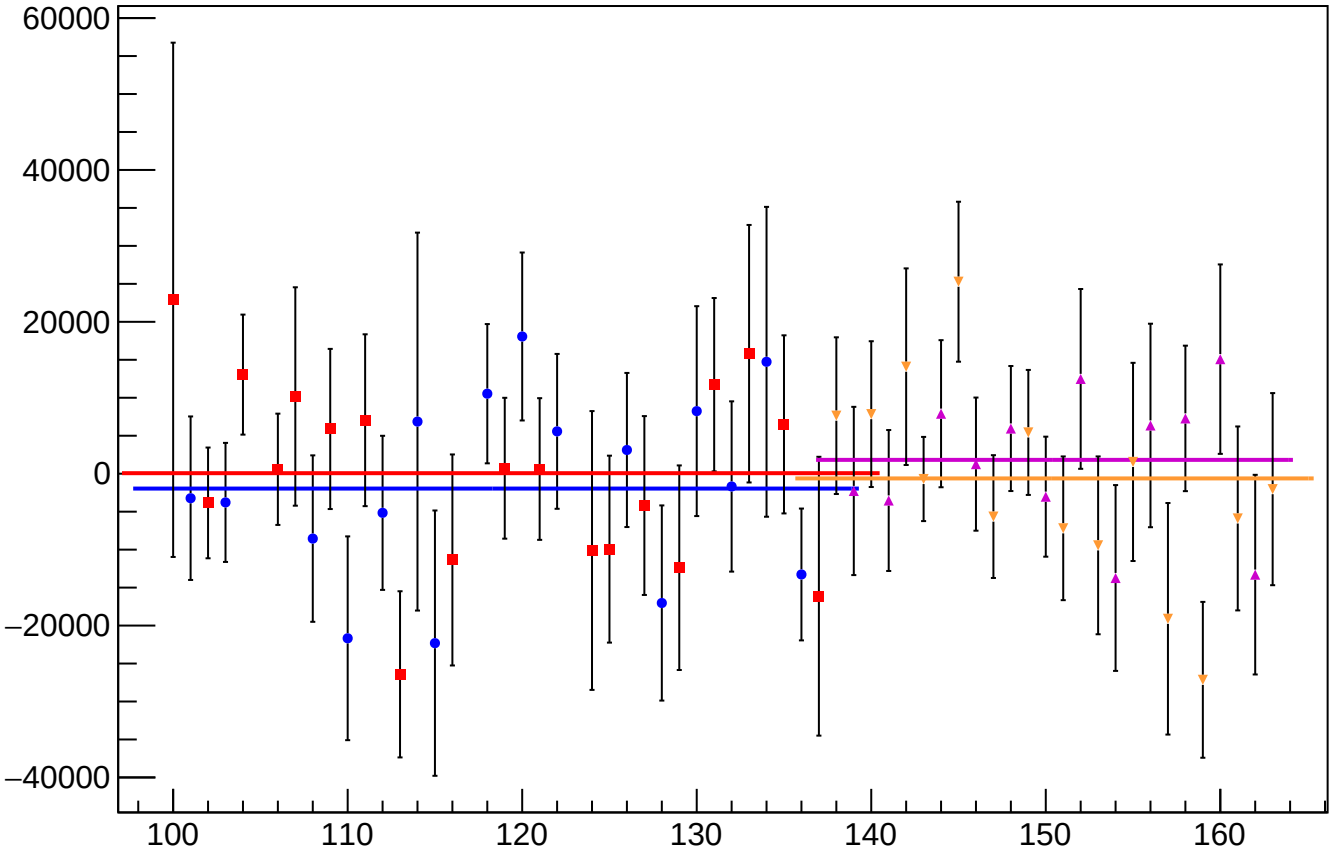
Left: 1926.251+/-0.295 χ^2/NDF: 345185.7/25

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1849.408+/-0.315 χ^2/NDF:562017.1/27

Out: 1808.508+/-0.301 χ^2/NDF:672261.5/32

All: 1828.055+/-0.217 χ^2/NDF: 1243105.9/60



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: -622.697+/-2590.504 χ^2/NDF:19.1/13

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 1820.721+/-2927.388 χ^2/NDF:6.8/11

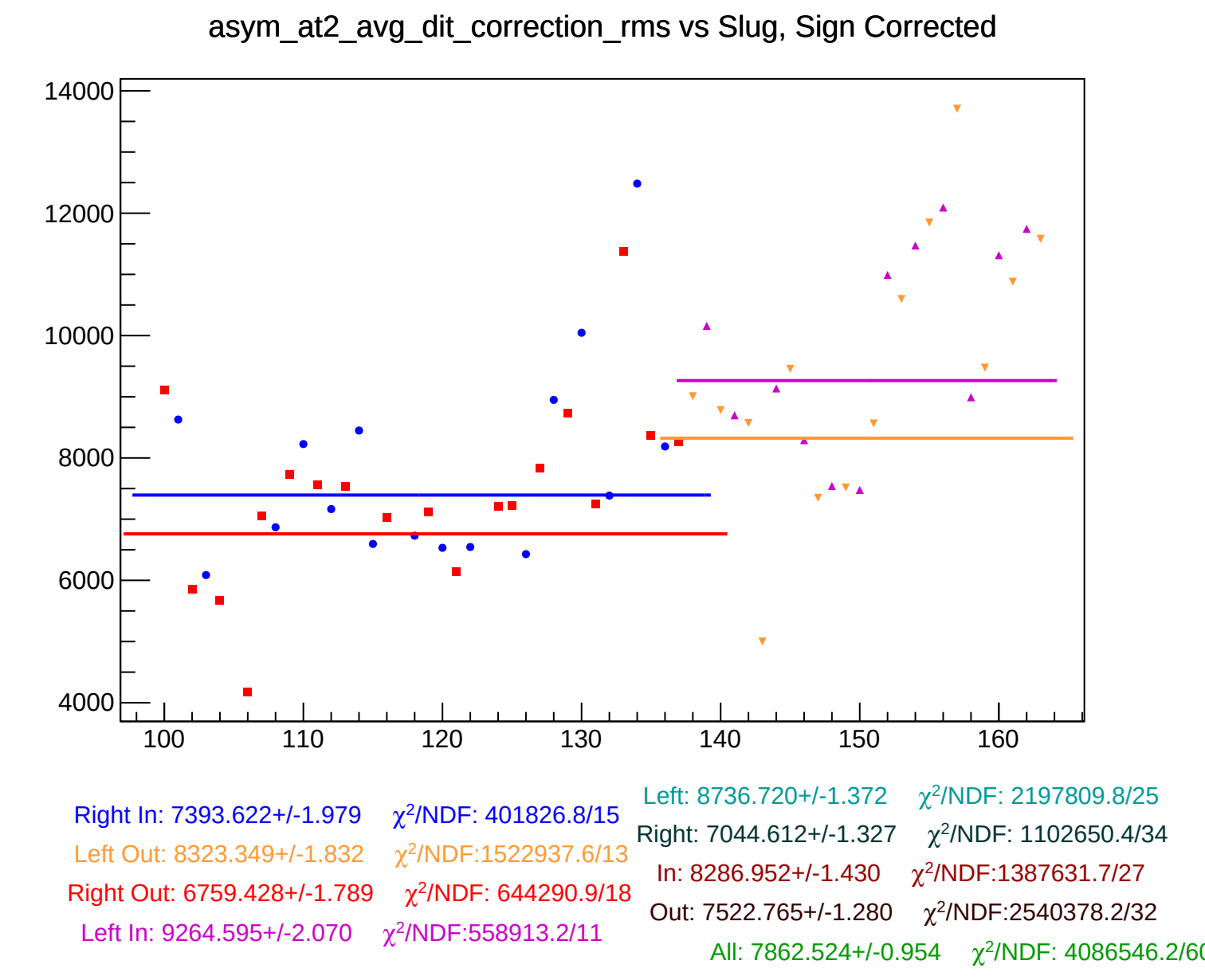
Left: 450.388+/-1939.985 χ^2/NDF: 26.3/25

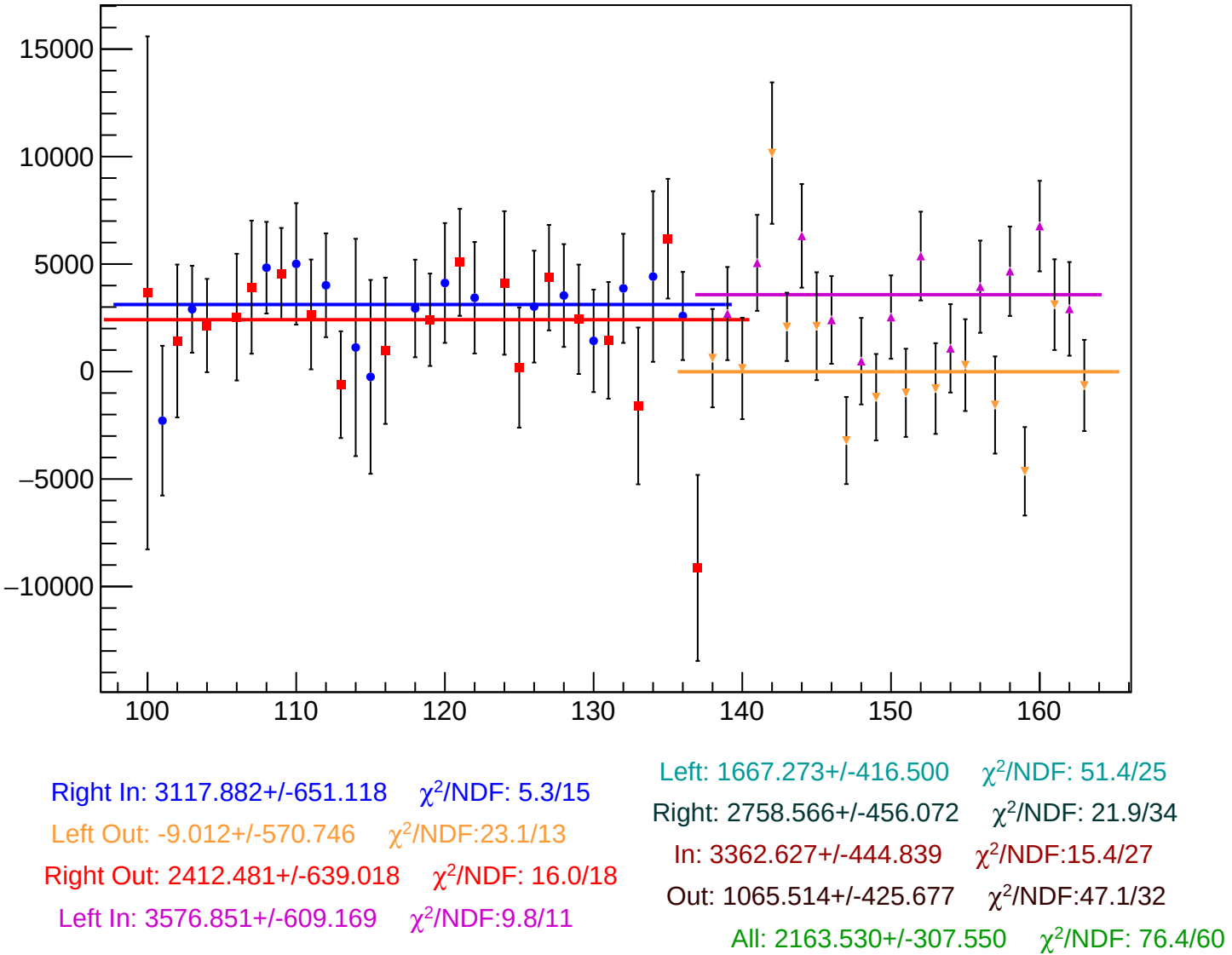
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

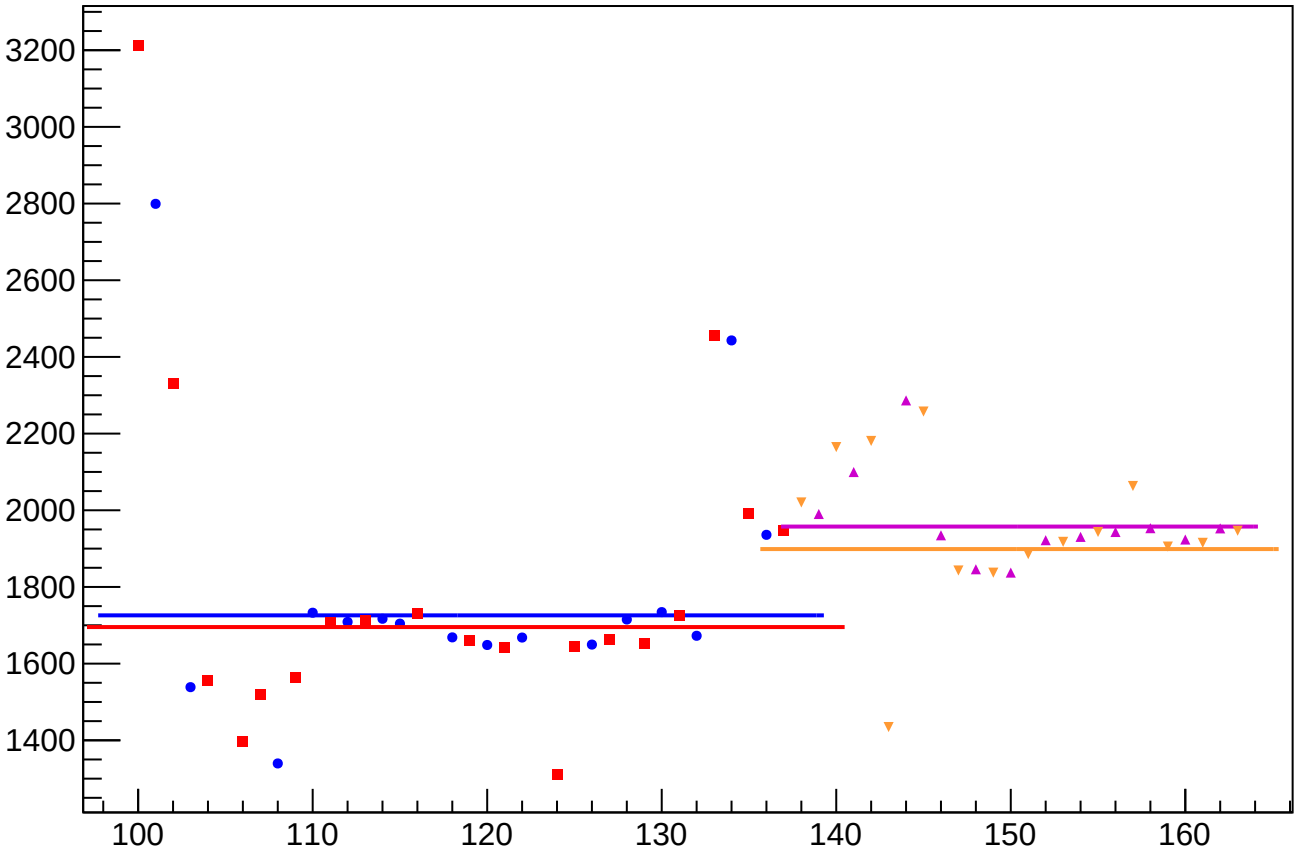
In: -154.075+/-2022.797 χ^2/NDF:22.1/27

Out: -269.044+/-1809.819 χ^2/NDF:35.3/32

All: -217.929+/-1348.769 χ^2/NDF: 57.3/60


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
Right In: 7393.622+/-1.979 χ²/NDF: 401826.8/15
Left Out: 8323.349+/-1.832 χ²/NDF:1522937.6/13
Right Out: 6759.428+/-1.789 χ²/NDF: 644290.9/18
Left In: 9264.595+/-2.070 χ²/NDF:558913.2/11
Left: 8736.720+/-1.372 χ²/NDF: 2197809.8/25
Right: 7044.612+/-1.327 χ²/NDF: 1102650.4/34
In: 8286.952+/-1.430 χ²/NDF:1387631.7/27
Out: 7522.765+/-1.280 χ²/NDF:2540378.2/32
All: 7862.524+/-0.954 χ²/NDF: 4086546.2/60


eigen_dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: -9.012+/-570.746 χ²/NDF:23.1/13
Right Out: 2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: 3576.851+/-609.169 χ²/NDF:9.8/11
Left: 1667.273+/-416.500 χ²/NDF: 51.4/25
Right: 2758.566+/-456.072 χ²/NDF: 21.9/34
In: 3362.627+/-444.839 χ²/NDF:15.4/27
Out: 1065.514+/-425.677 χ²/NDF:47.1/32
All: 2163.530+/-307.550 χ²/NDF: 76.4/60



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1898.818+/-0.404 χ^2/NDF:273848.8/13

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1957.509+/-0.431 χ^2/NDF:61452.1/11

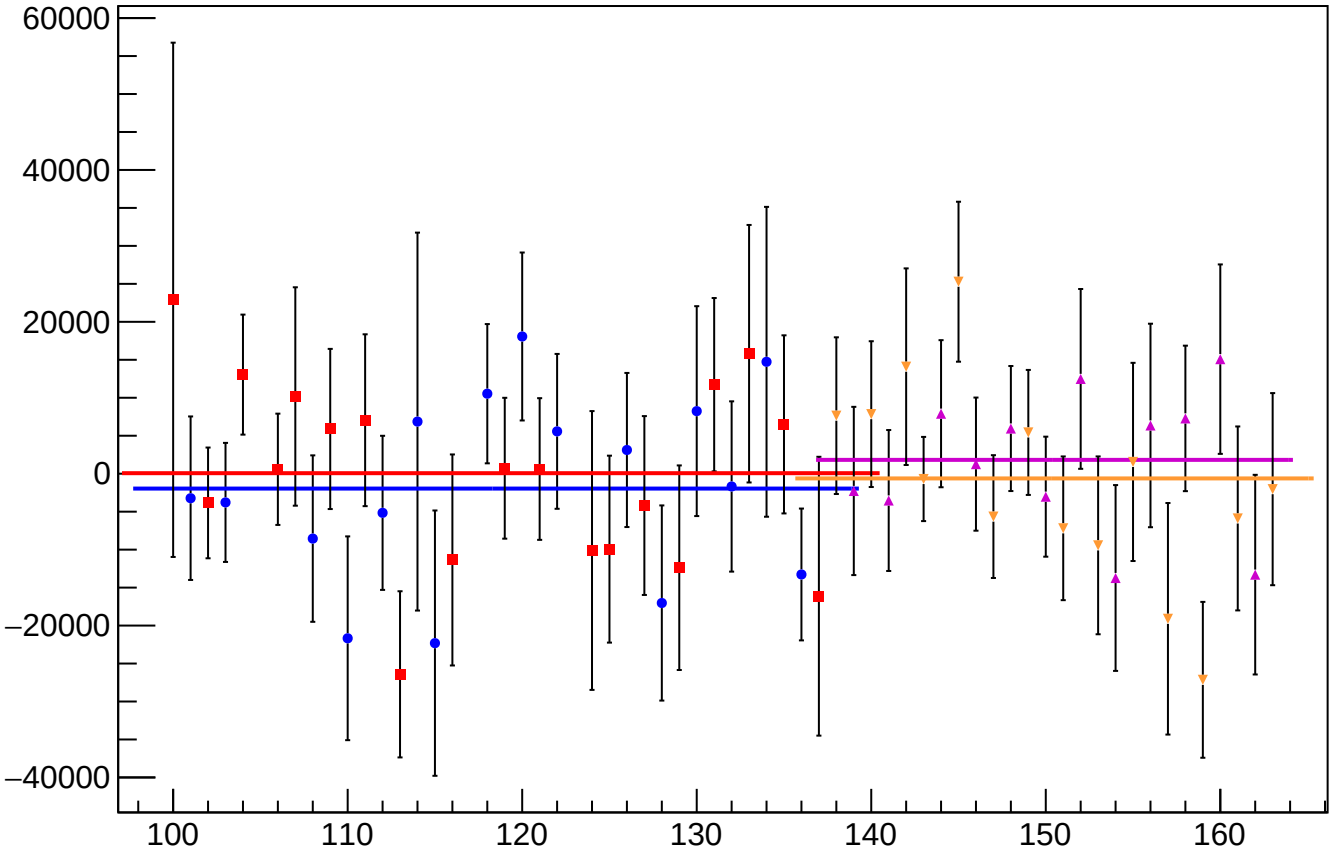
Left: 1926.254+/-0.295 χ^2/NDF: 345187.1/25

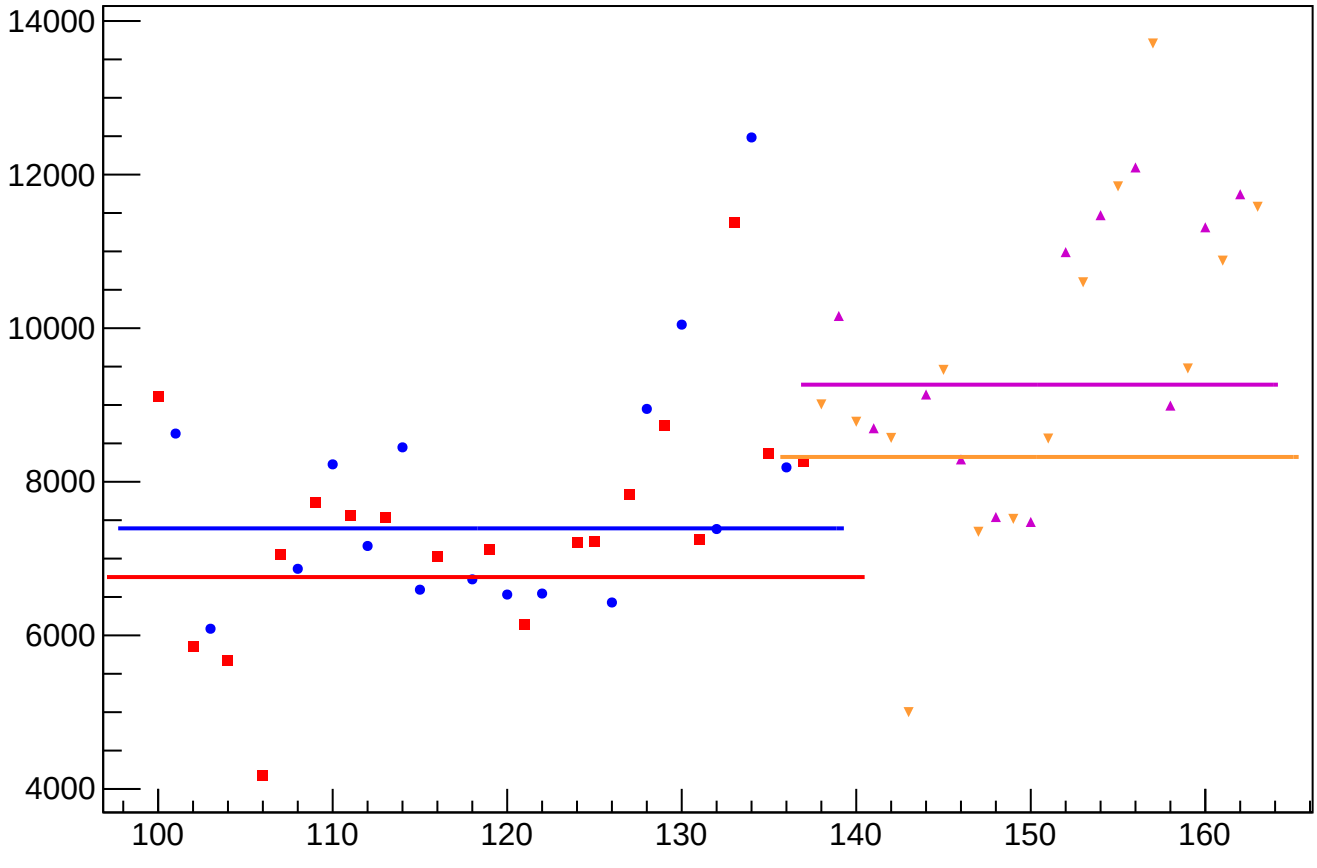
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1849.410+/-0.315 χ^2/NDF:562021.8/27

Out: 1808.509+/-0.301 χ^2/NDF:672267.1/32

All: 1828.056+/-0.217 χ^2/NDF: 1243116.1/60


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: -622.707+/-2590.508 χ²/NDF:19.1/13
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 1820.721+/-2927.391 χ²/NDF:6.8/11
Left: 450.382+/-1939.988 χ²/NDF: 26.3/25
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -154.071+/-2022.795 χ²/NDF:22.1/27
Out: -269.044+/-1809.818 χ²/NDF:35.3/32
All: -217.927+/-1348.768 χ²/NDF: 57.3/60



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8323.361+/-1.832 χ^2/NDF:1522937.6/13

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9264.608+/-2.070 χ^2/NDF:558914.0/11

Left: 8736.732+/-1.372 χ^2/NDF: 2197810.3/25

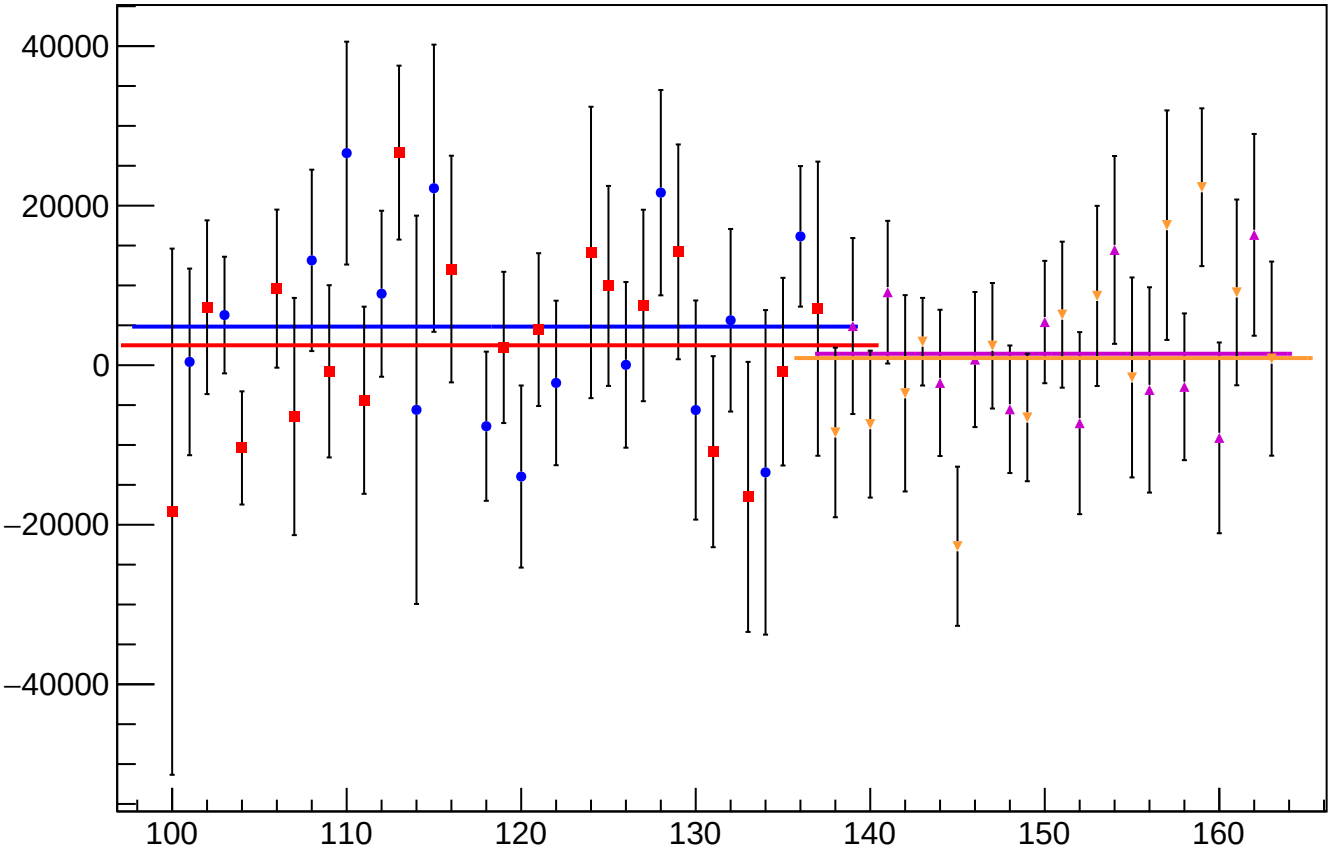
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8286.945+/-1.430 χ^2/NDF:1387648.7/27

Out: 7522.761+/-1.280 χ^2/NDF:2540390.0/32

All: 7862.518+/-0.954 χ^2/NDF: 4086574.1/60

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 895.239+/-2518.964 χ^2/NDF:15.7/13

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1437.849+/-2826.276 χ^2/NDF:6.3/11

Left: 1135.450+/-1880.476 χ^2/NDF: 22.1/25

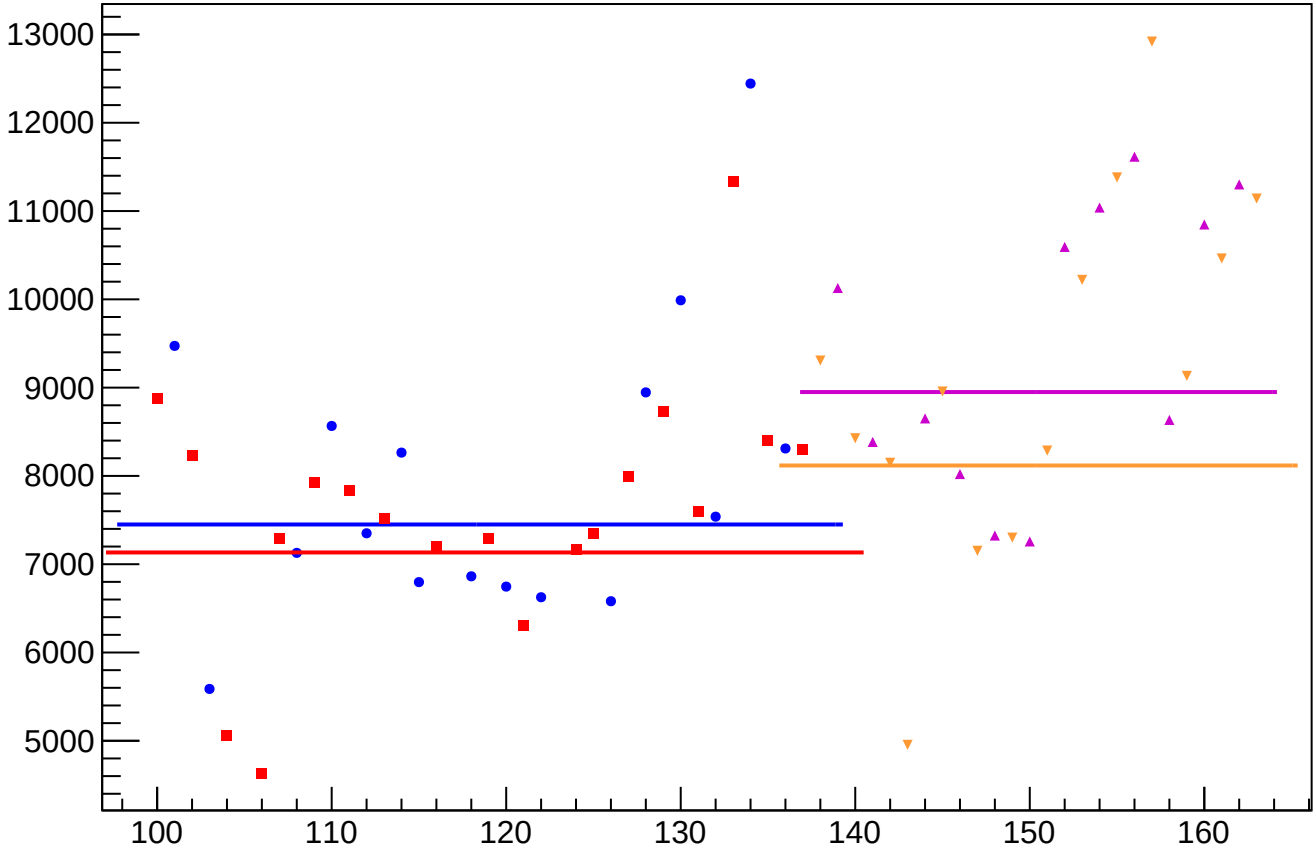
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3136.246+/-1999.412 χ^2/NDF:21.4/27

Out: 1641.406+/-1840.434 χ^2/NDF:30.9/32

All: 2327.042+/-1354.103 χ^2/NDF: 52.5/60

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8118.189+/-1.781 χ^2/NDF:1410511.9/13

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8949.975+/-1.998 χ^2/NDF:549167.9/11

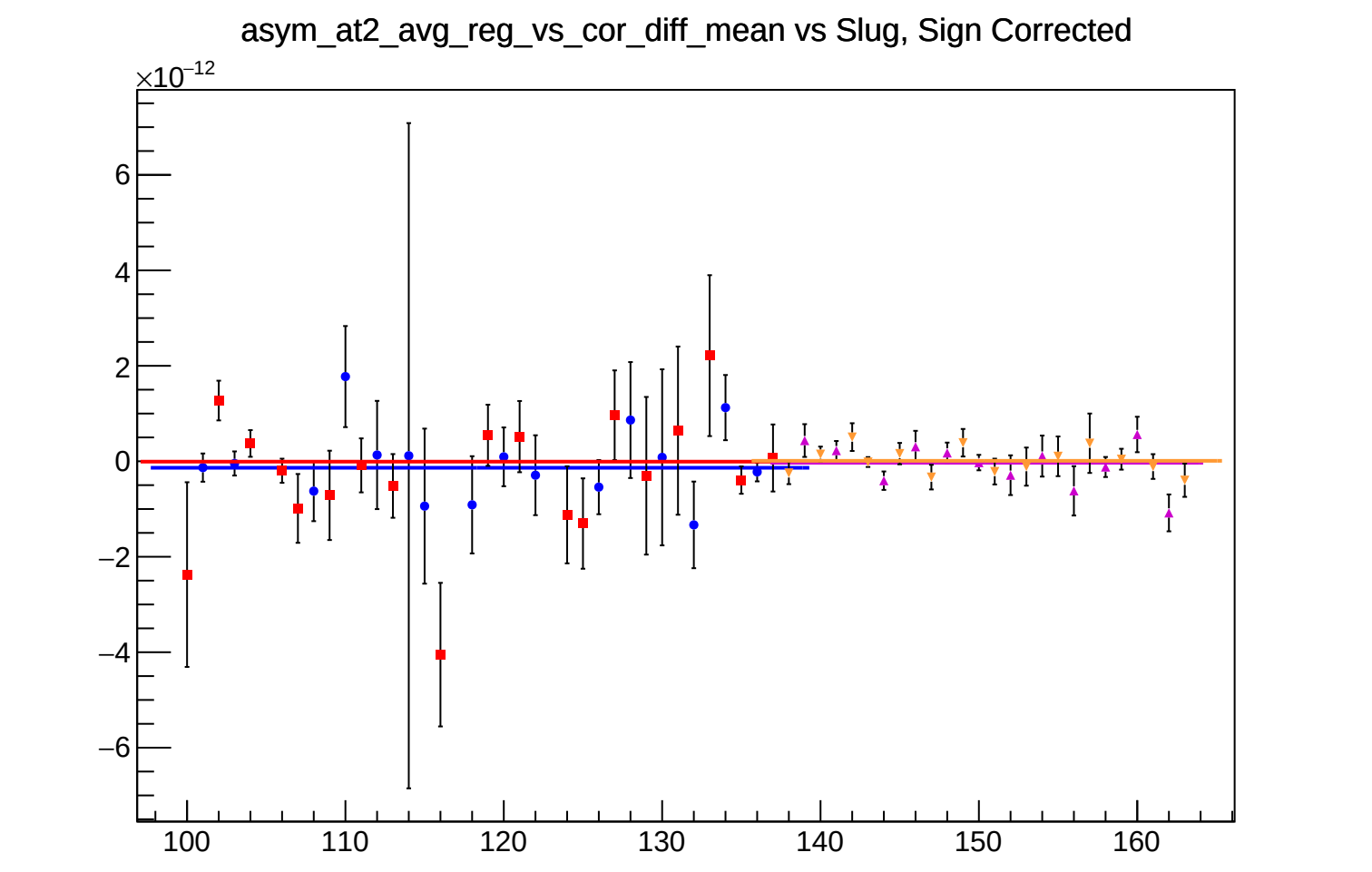
Left: 8486.418+/-1.330 χ^2/NDF: 2056221.6/25

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8200.674+/-1.414 χ^2/NDF:1317009.3/27

Out: 7658.935+/-1.301 χ^2/NDF:2110101.3/32

All: 7907.406+/-0.957 χ^2/NDF: 3506595.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/11

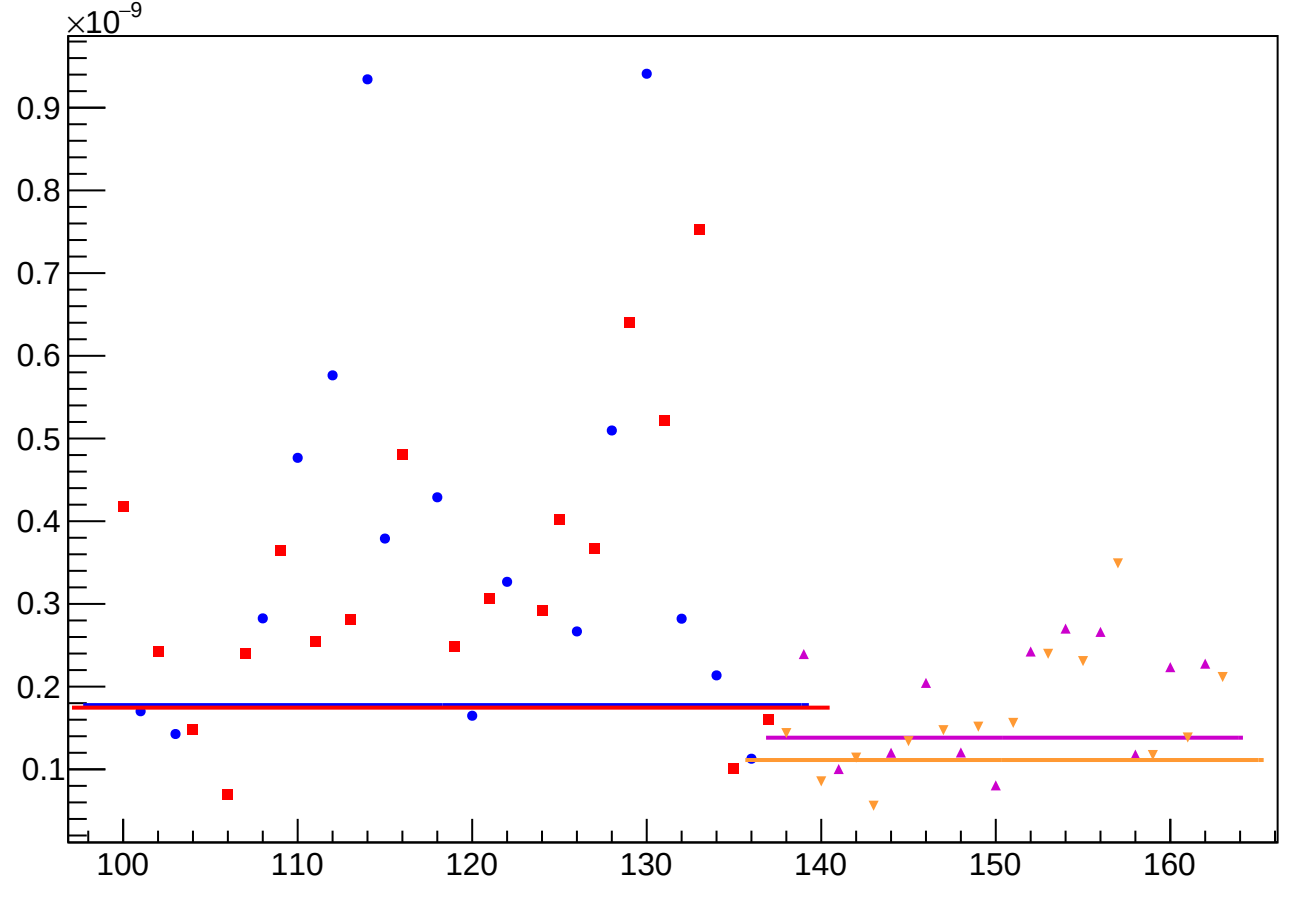
Left: -0.000+/-0.000 χ^2/NDF: 32.9/25

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:33.2/27

Out: 0.000+/-0.000 χ^2/NDF:44.4/32

All: -0.000+/-0.000 χ^2/NDF: 78.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1671940.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1277206.4/11

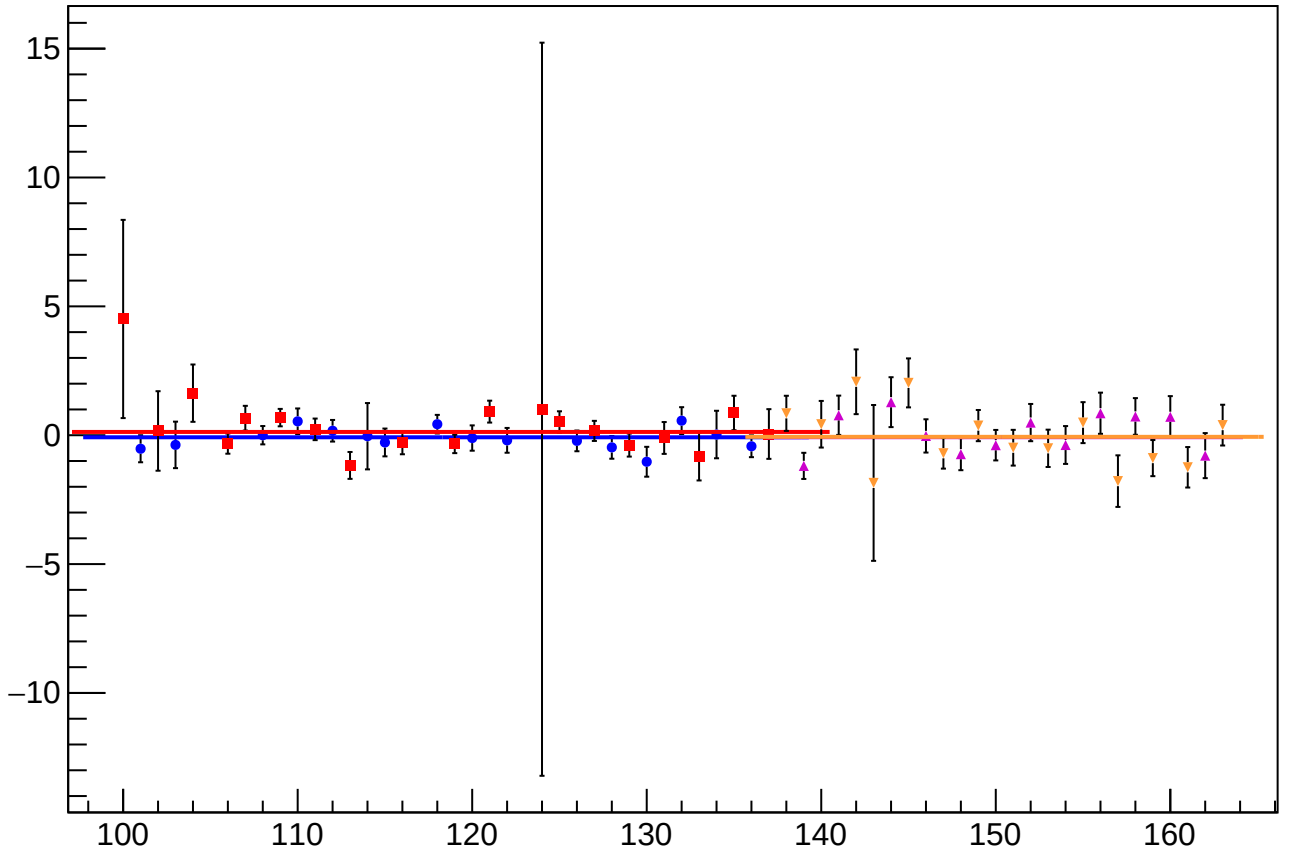
Left: 0.000+/-0.000 χ^2/NDF: 3109380.7/25

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2963296.3/27

Out: 0.000+/-0.000 χ^2/NDF:3742842.4/32

All: 0.000+/-0.000 χ^2/NDF: 6902327.8/60



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.077+/-0.201 χ^2/NDF:14.5/11

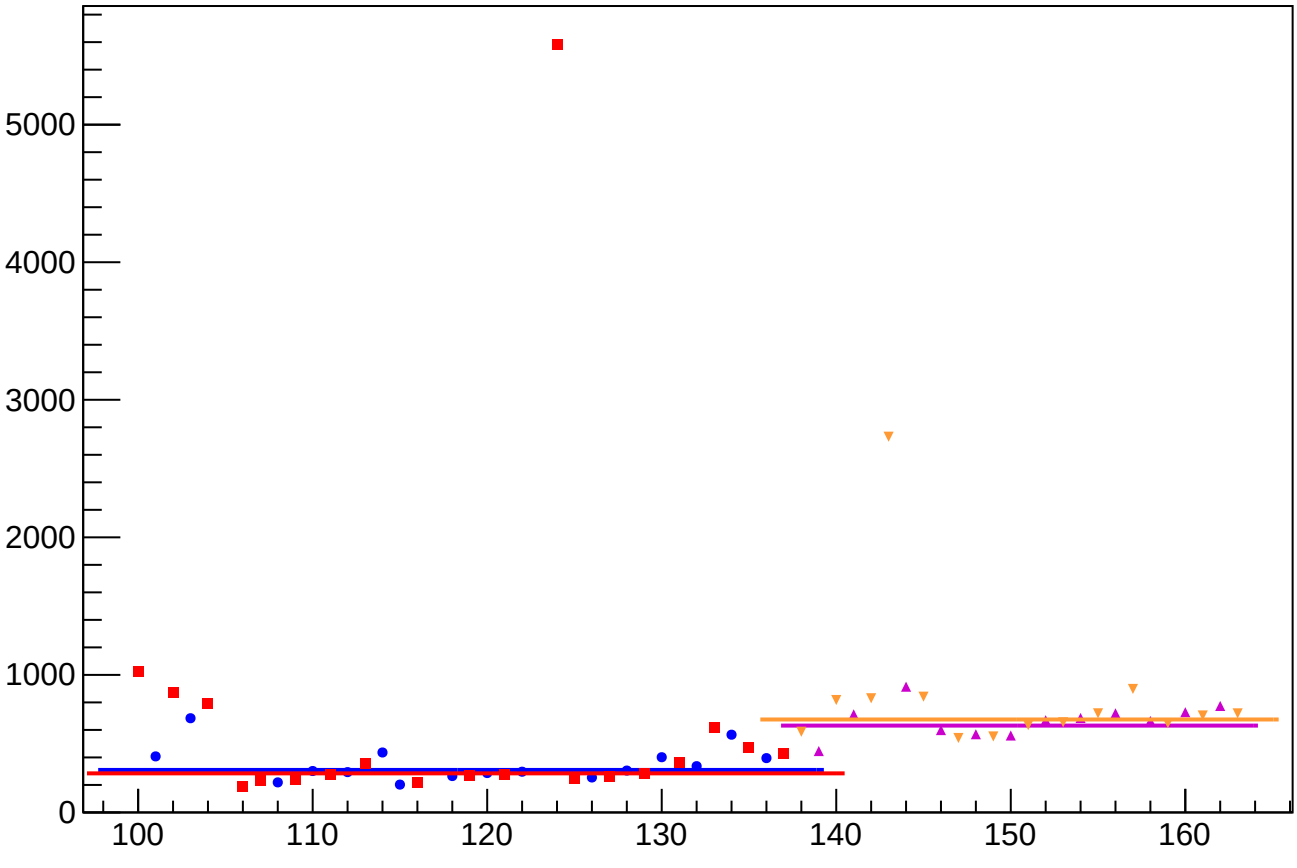
Left: -0.070+/-0.145 χ^2/NDF: 34.5/25

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.079+/-0.104 χ^2/NDF:25.3/27

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.003+/-0.073 χ^2/NDF: 72.4/60



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 675.849+/-0.149 χ^2/NDF:1409646.6/13

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 631.482+/-0.142 χ^2/NDF:644937.8/11

Left: 652.680+/-0.103 χ^2/NDF: 2101040.6/25

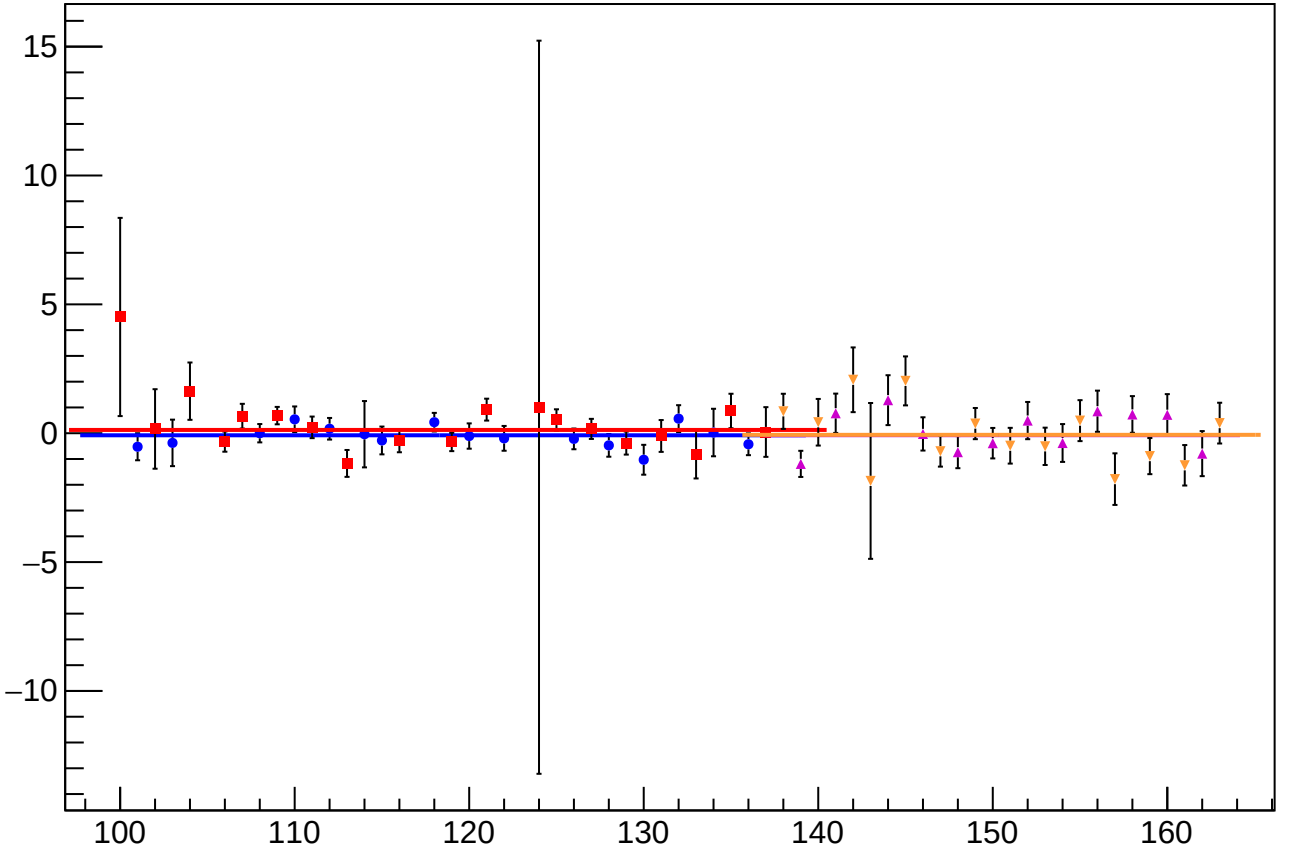
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 395.612+/-0.074 χ^2/NDF:5415795.2/27

Out: 376.612+/-0.072 χ^2/NDF:8562903.4/32

All: 385.924+/-0.052 χ^2/NDF: 14012581.3/60

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: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.077+/-0.201 χ^2/NDF:14.5/11

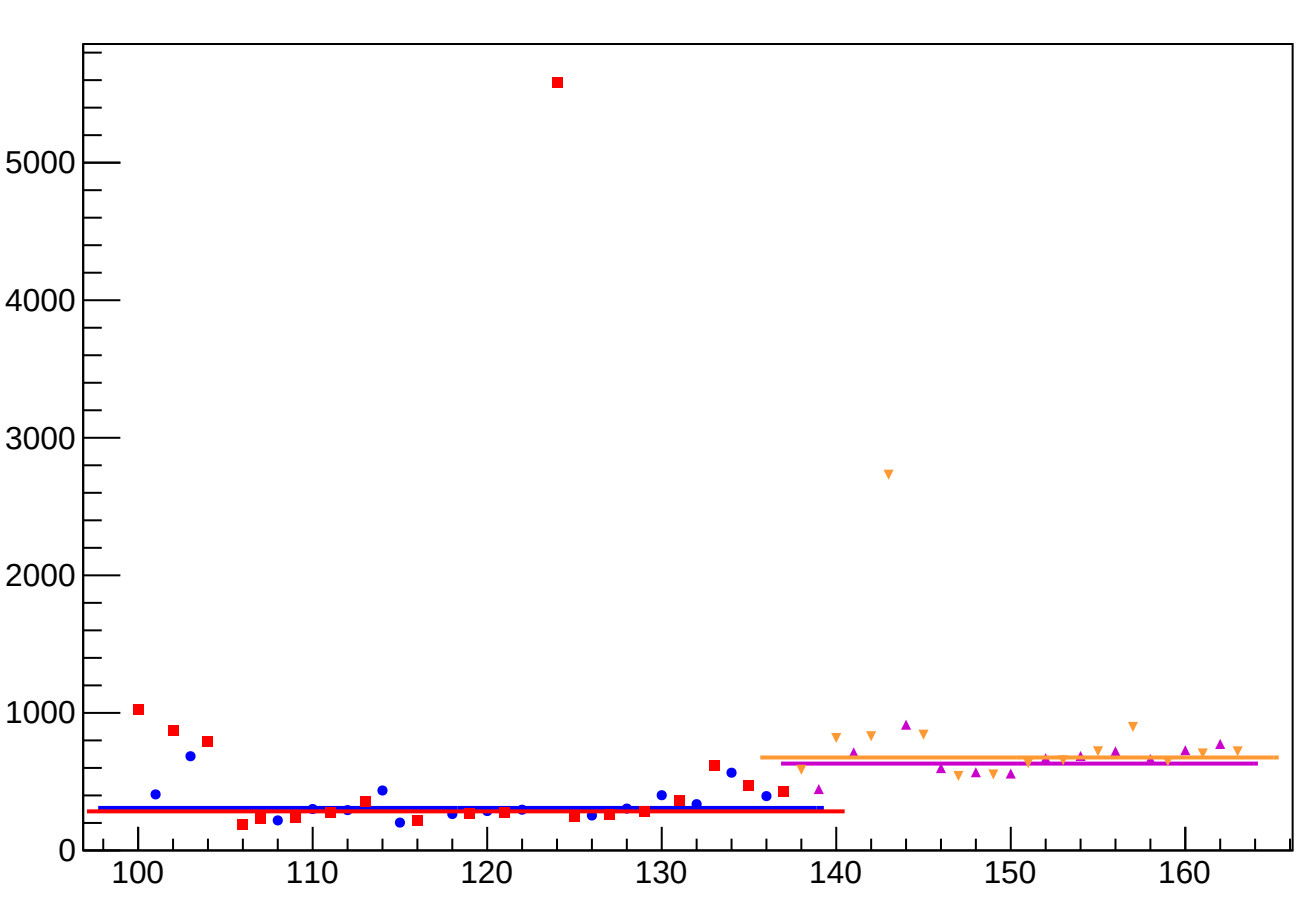
Left: -0.070+/-0.145 χ^2/NDF: 34.5/25

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.079+/-0.104 χ^2/NDF:25.3/27

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.003+/-0.073 χ^2/NDF: 72.4/60



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 675.849+/-0.149 χ^2/NDF:1409646.6/13

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 631.482+/-0.142 χ^2/NDF:644937.8/11

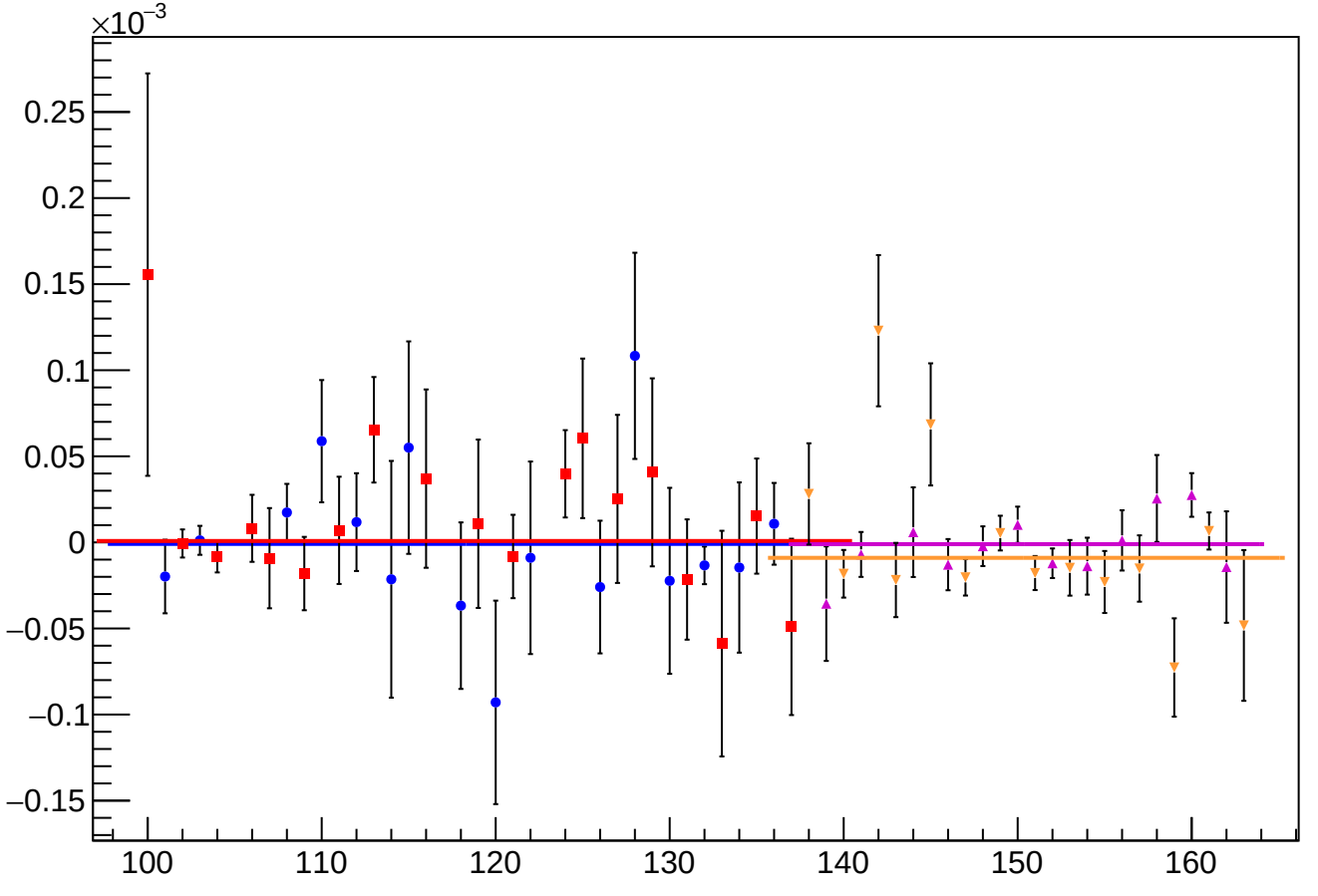
Left: 652.680+/-0.103 χ^2/NDF: 2101040.6/25

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 395.612+/-0.074 χ^2/NDF:5415795.2/27

Out: 376.612+/-0.072 χ^2/NDF:8562903.4/32

All: 385.924+/-0.052 χ^2/NDF: 14012581.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/11

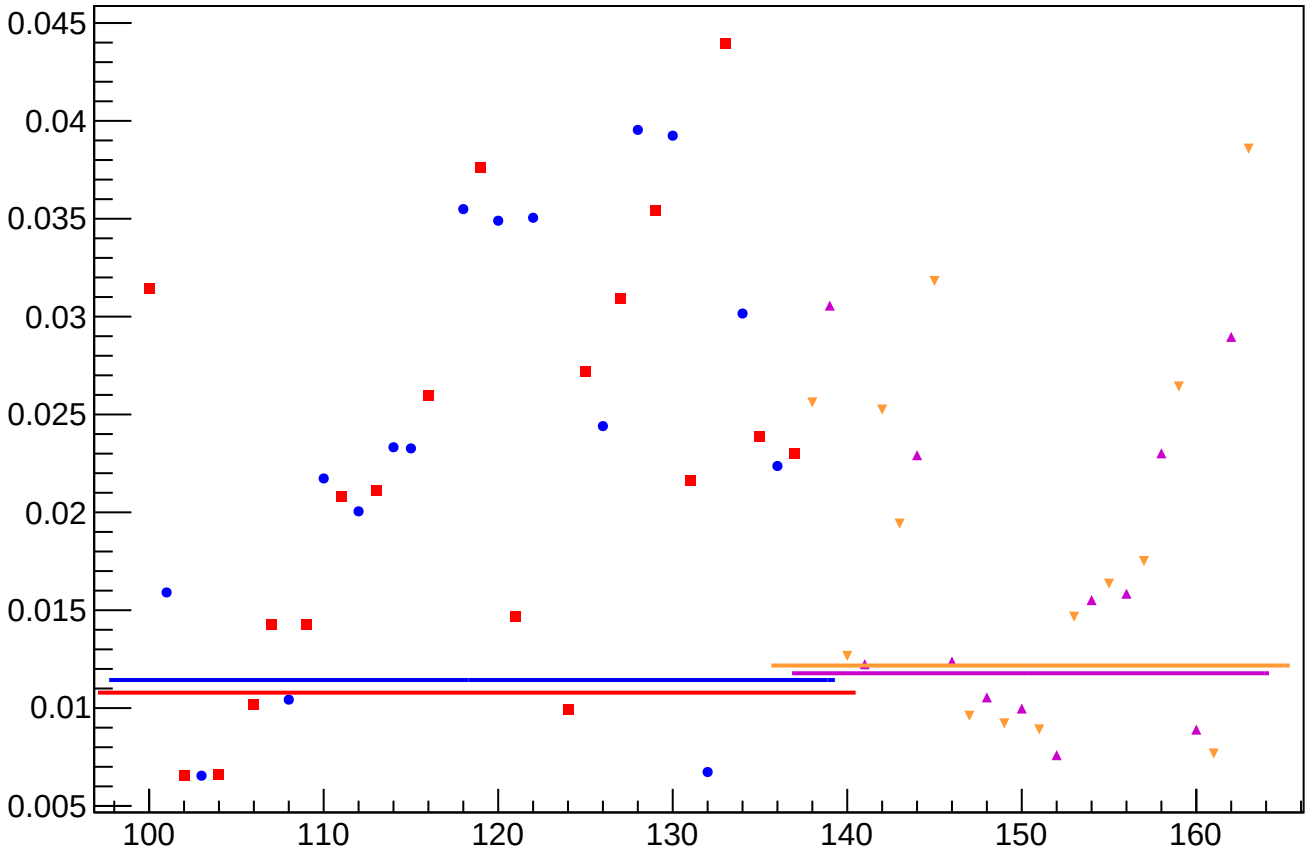
Left: -0.000+/-0.000 χ^2/NDF: 42.5/25

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:26.3/27

Out: -0.000+/-0.000 χ^2/NDF:47.4/32

All: -0.000+/-0.000 χ^2/NDF: 74.4/60



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:3827373.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:2836570.0/11

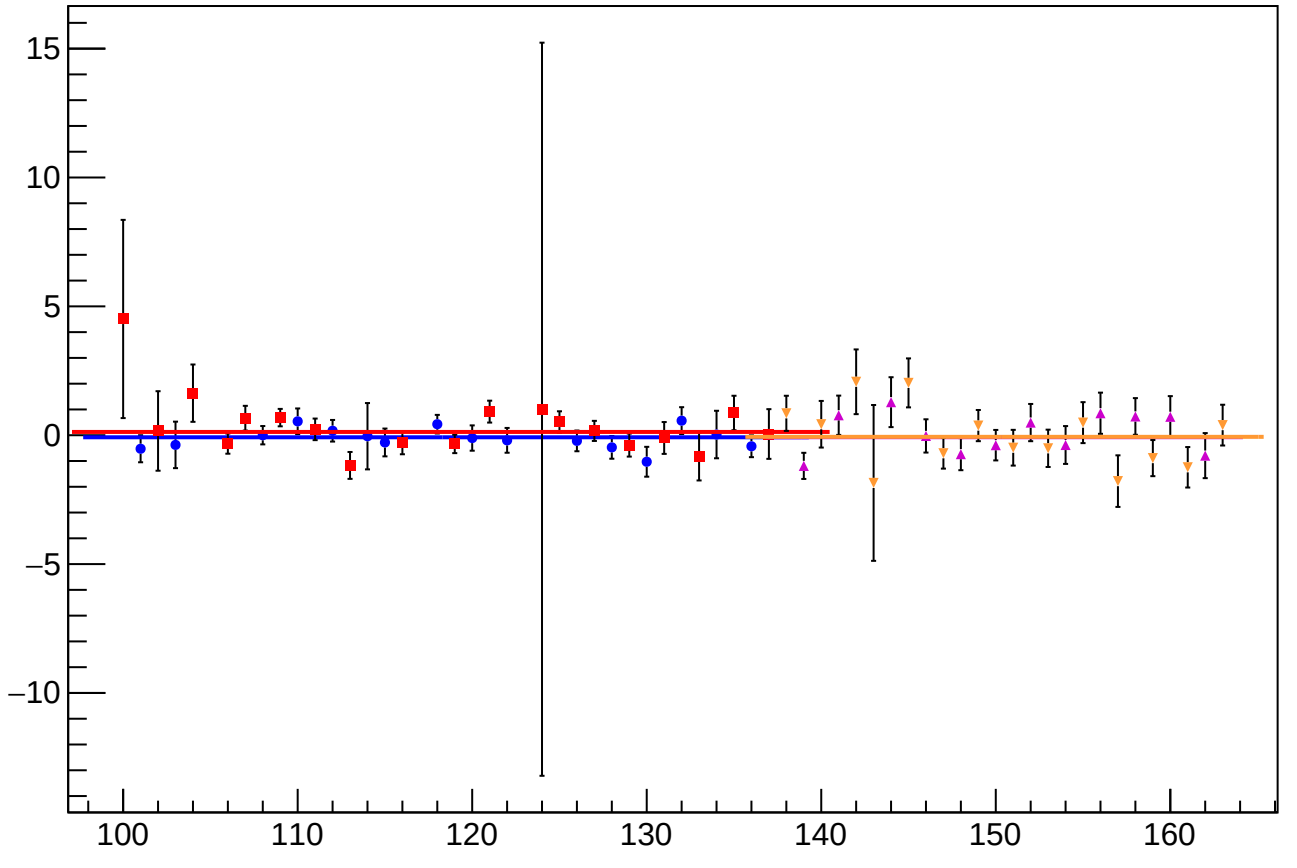
Left: 0.012+/-0.000 χ^2/NDF: 6673135.0/25

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:7541725.9/27

Out: 0.012+/-0.000 χ^2/NDF:8395989.6/32

All: 0.012+/-0.000 χ^2/NDF: 15938029.7/60



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.077+/-0.201 χ^2/NDF:14.5/11

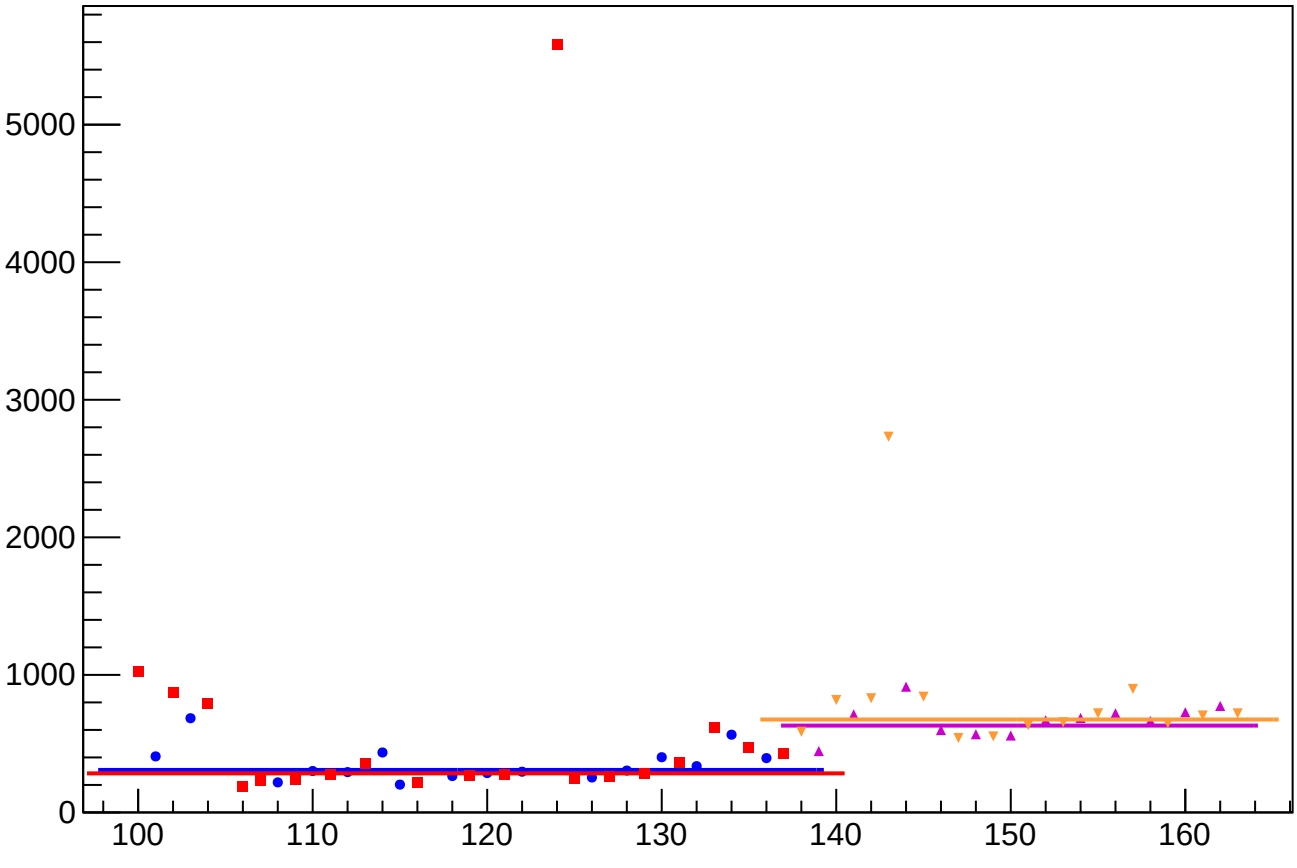
Left: -0.070+/-0.145 χ^2/NDF: 34.5/25

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.079+/-0.104 χ^2/NDF:25.3/27

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.003+/-0.073 χ^2/NDF: 72.4/60



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 675.858+/-0.149 χ^2/NDF:1409654.1/13

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 631.492+/-0.142 χ^2/NDF:644925.8/11

Left: 652.689+/-0.103 χ^2/NDF: 2101034.7/25

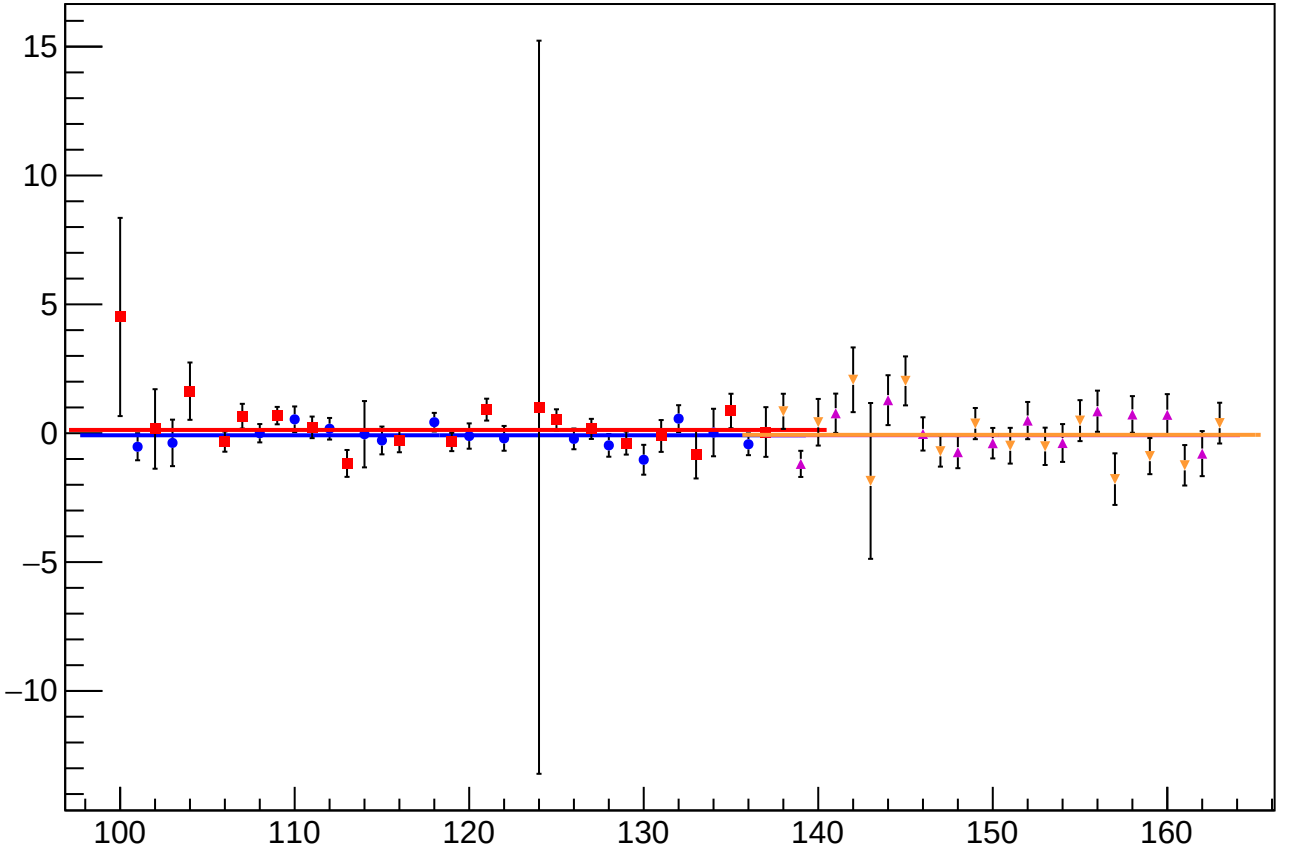
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 395.612+/-0.074 χ^2/NDF:5415911.9/27

Out: 376.612+/-0.072 χ^2/NDF:8563056.6/32

All: 385.923+/-0.052 χ^2/NDF: 14012852.3/60

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: -0.063+/-0.210 χ^2/NDF:20.0/13

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.077+/-0.201 χ^2/NDF:14.5/11

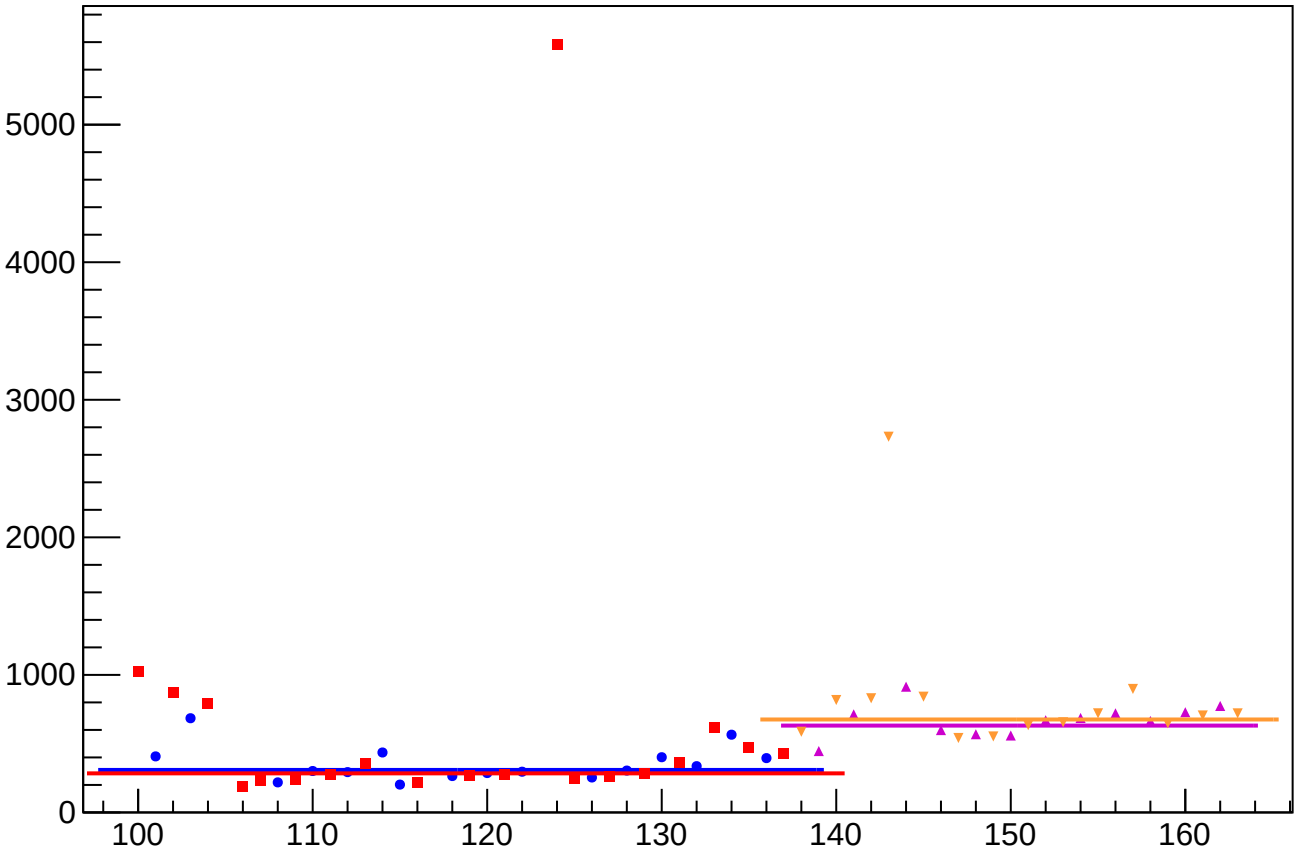
Left: -0.070+/-0.145 χ^2/NDF: 34.5/25

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.079+/-0.104 χ^2/NDF:25.3/27

Out: 0.083+/-0.102 χ^2/NDF:45.9/32

All: 0.003+/-0.073 χ^2/NDF: 72.4/60



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 675.858+/-0.149 χ^2/NDF:1409654.1/13

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 631.492+/-0.142 χ^2/NDF:644925.8/11

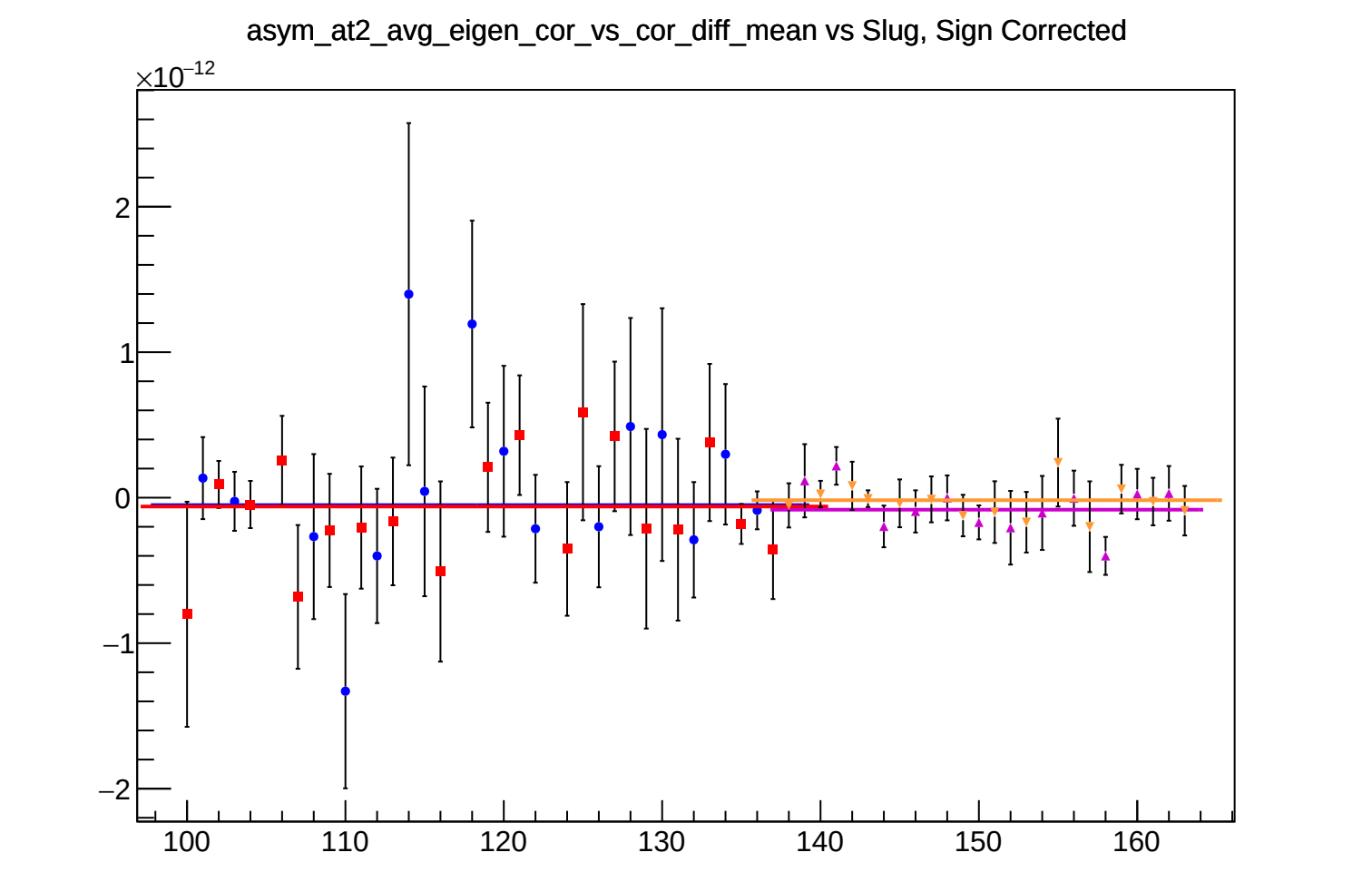
Left: 652.689+/-0.103 χ^2/NDF: 2101034.7/25

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 395.612+/-0.074 χ^2/NDF:5415911.9/27

Out: 376.612+/-0.072 χ^2/NDF:8563056.6/32

All: 385.923+/-0.052 χ^2/NDF: 14012852.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/11

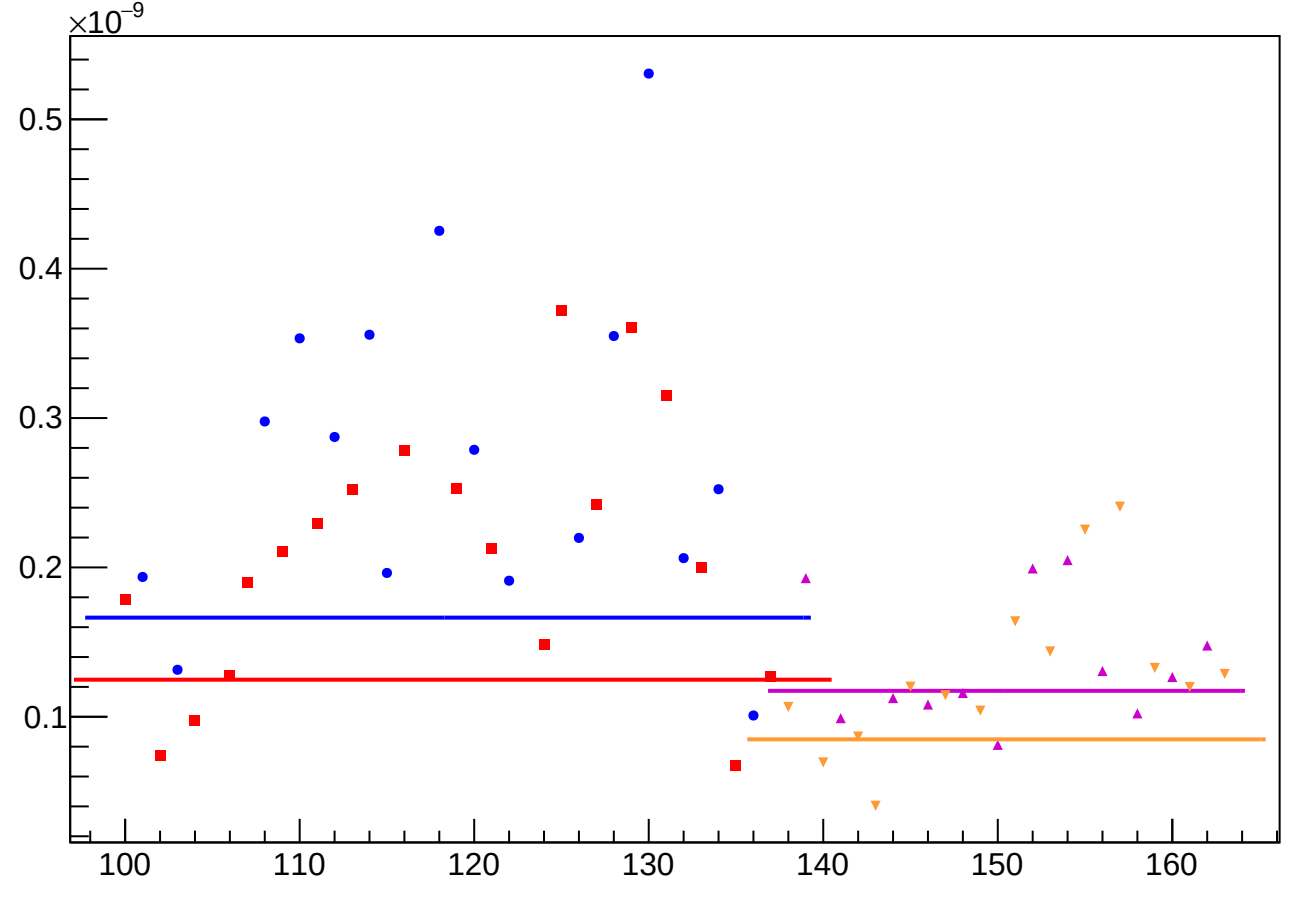
Left: -0.000+/-0.000 χ^2/NDF: 19.2/25

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:26.7/27

Out: -0.000+/-0.000 χ^2/NDF:15.1/32

All: -0.000+/-0.000 χ^2/NDF: 42.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3242840.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:962972.6/11

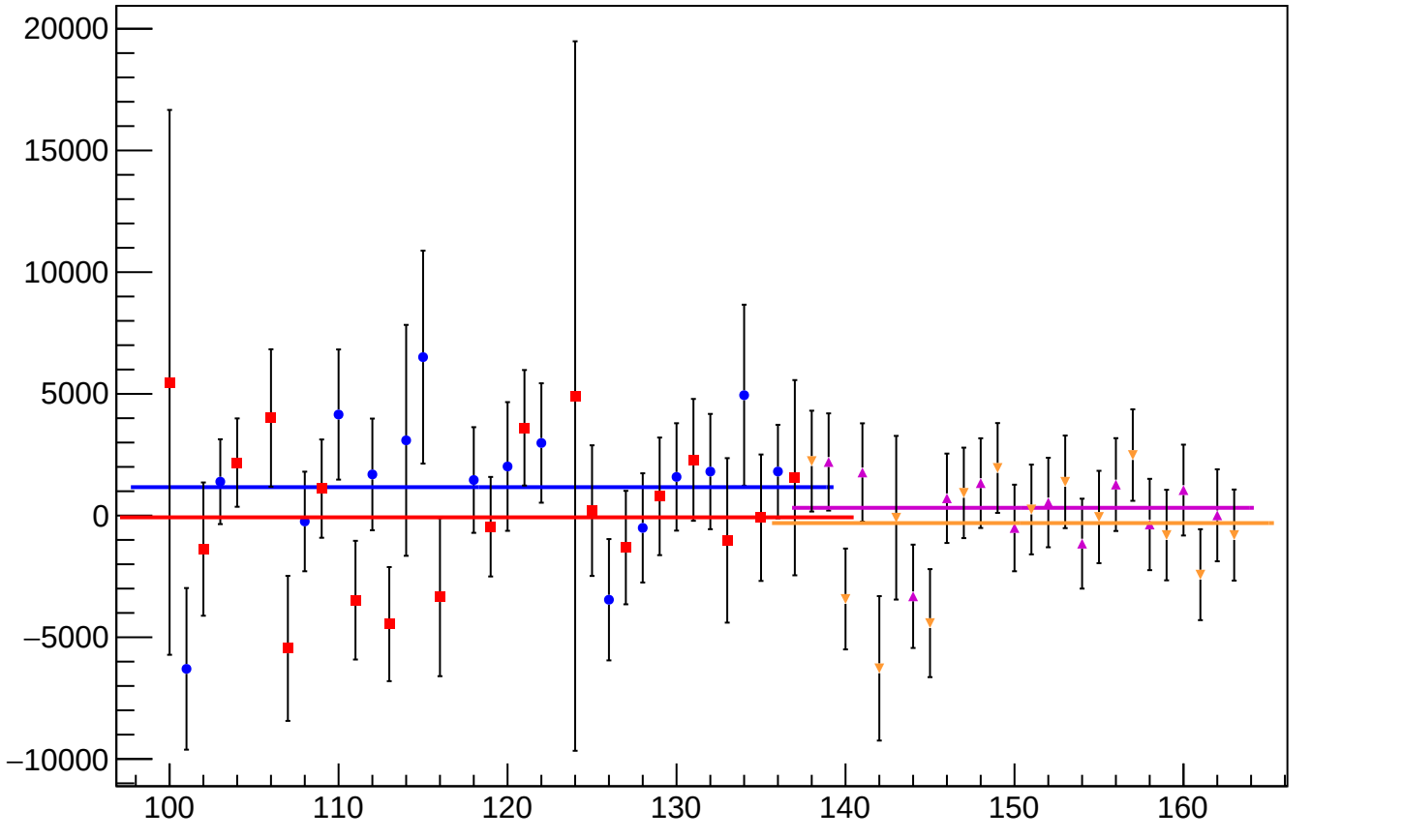
Left: 0.000+/-0.000 χ^2/NDF: 4827613.7/25

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

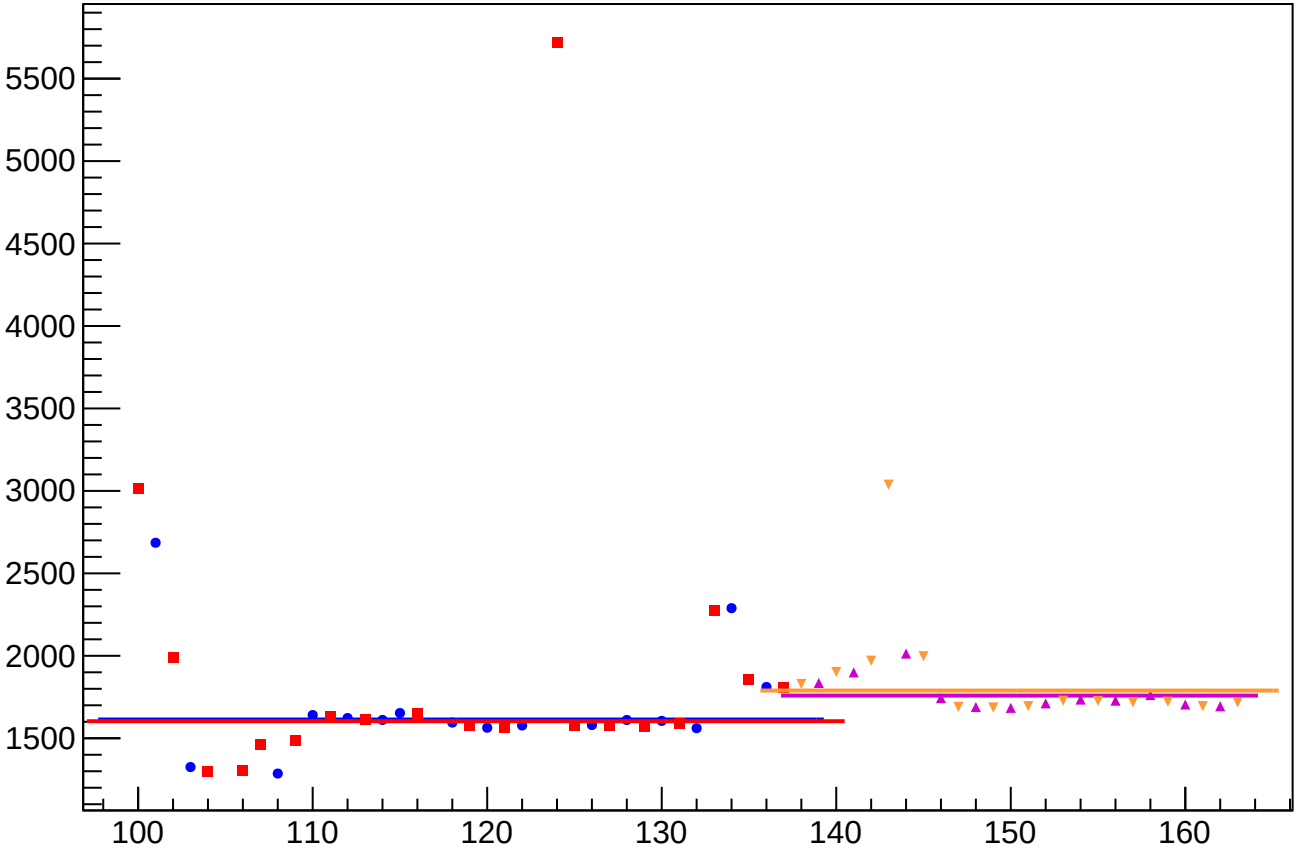
In: 0.000+/-0.000 χ^2/NDF:3464839.6/27

Out: 0.000+/-0.000 χ^2/NDF:5970745.3/32

All: 0.000+/-0.000 χ^2/NDF: 10400041.6/60


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.862+/-609.171 χ²/NDF: 14.4/15
Left Out: -308.208+/-538.506 χ²/NDF:17.8/13
Right Out: -72.181+/-603.362 χ²/NDF: 18.3/18
Left In: 318.321+/-547.092 χ²/NDF:6.1/11
Left: 0.102+/-383.781 χ²/NDF: 24.5/25
Right: 541.404+/-428.680 χ²/NDF: 34.8/34
In: 697.165+/-407.036 χ²/NDF:21.6/27
Out: -203.557+/-401.761 χ²/NDF:36.1/32
All: 240.930+/-285.935 χ²/NDF: 60.2/60

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1758.803+/-0.387 χ^2/NDF:54153.8/11

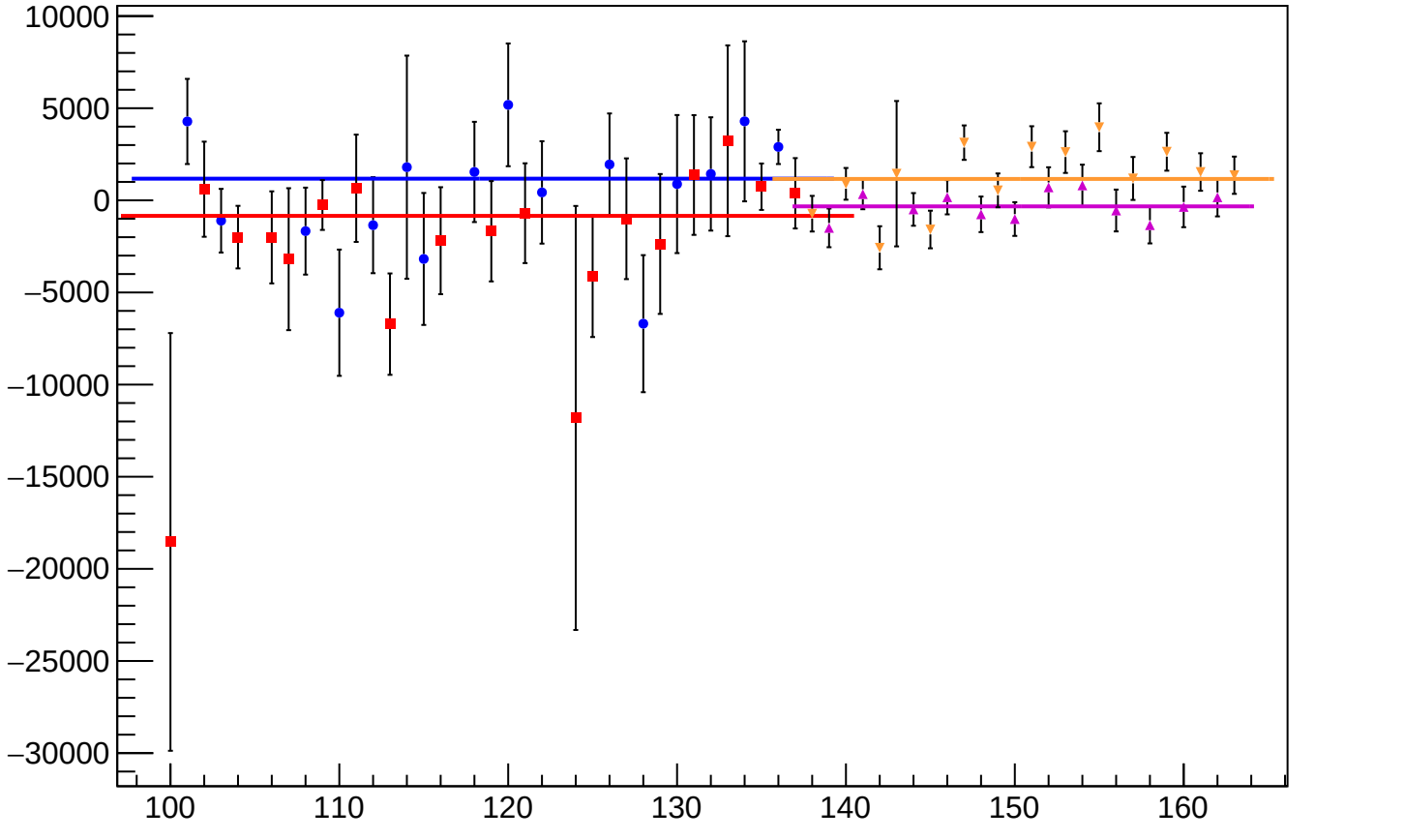
Left: 1774.378+/-0.271 χ^2/NDF: 399762.2/25

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1694.008+/-0.288 χ^2/NDF:521678.3/27

Out: 1706.997+/-0.284 χ^2/NDF:874007.9/32

All: 1700.587+/-0.202 χ^2/NDF: 1396717.7/60



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 1161.007+/-284.936 χ^2/NDF:37.3/13

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -327.722+/-285.438 χ^2/NDF:6.2/11

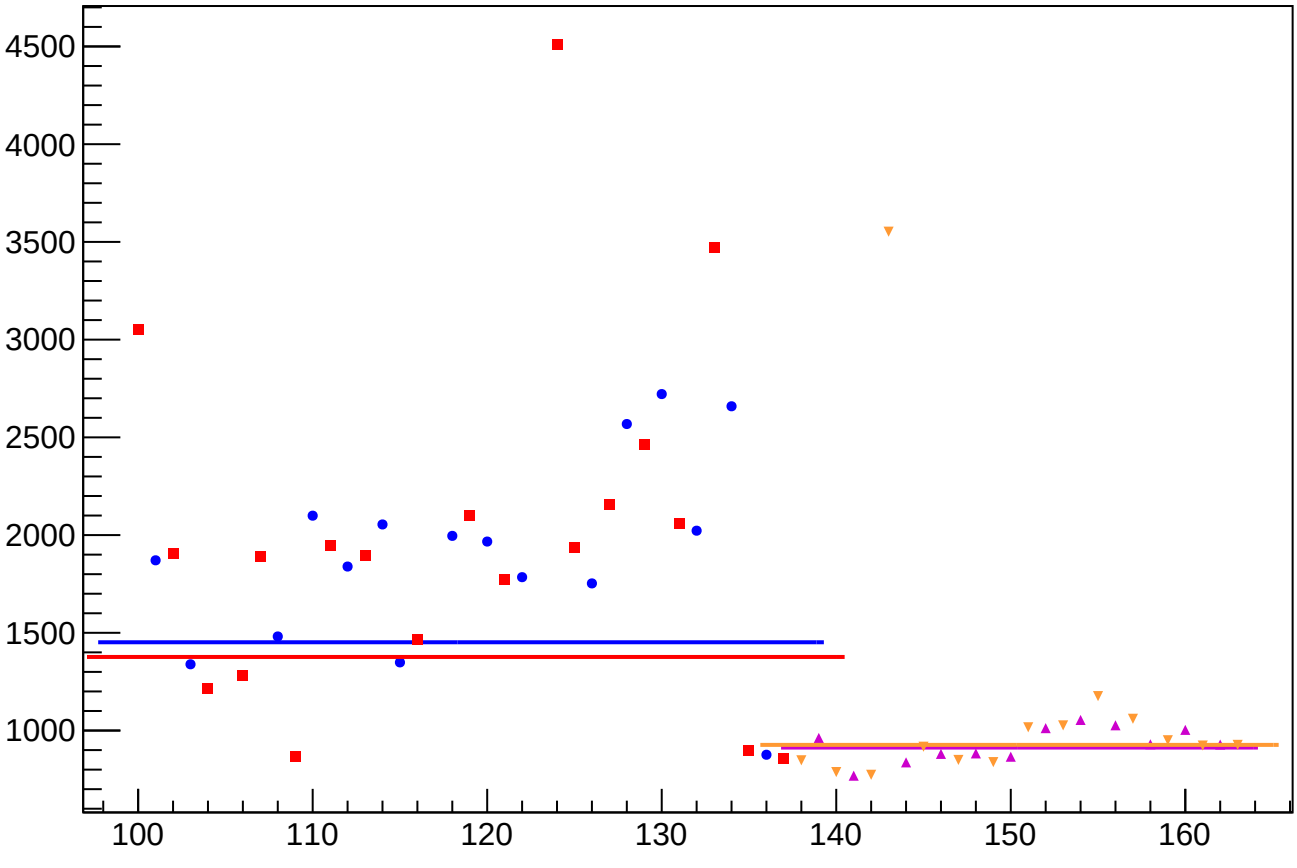
Left: 417.953+/-201.657 χ^2/NDF: 57.1/25

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -33.873+/-256.023 χ^2/NDF:33.6/27

Out: 745.695+/-253.713 χ^2/NDF:61.8/32

All: 359.445+/-180.213 χ^2/NDF: 100.1/60



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 926.598+/-0.201 χ^2/NDF:1147845.2/13

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 912.872+/-0.202 χ^2/NDF:172960.9/11

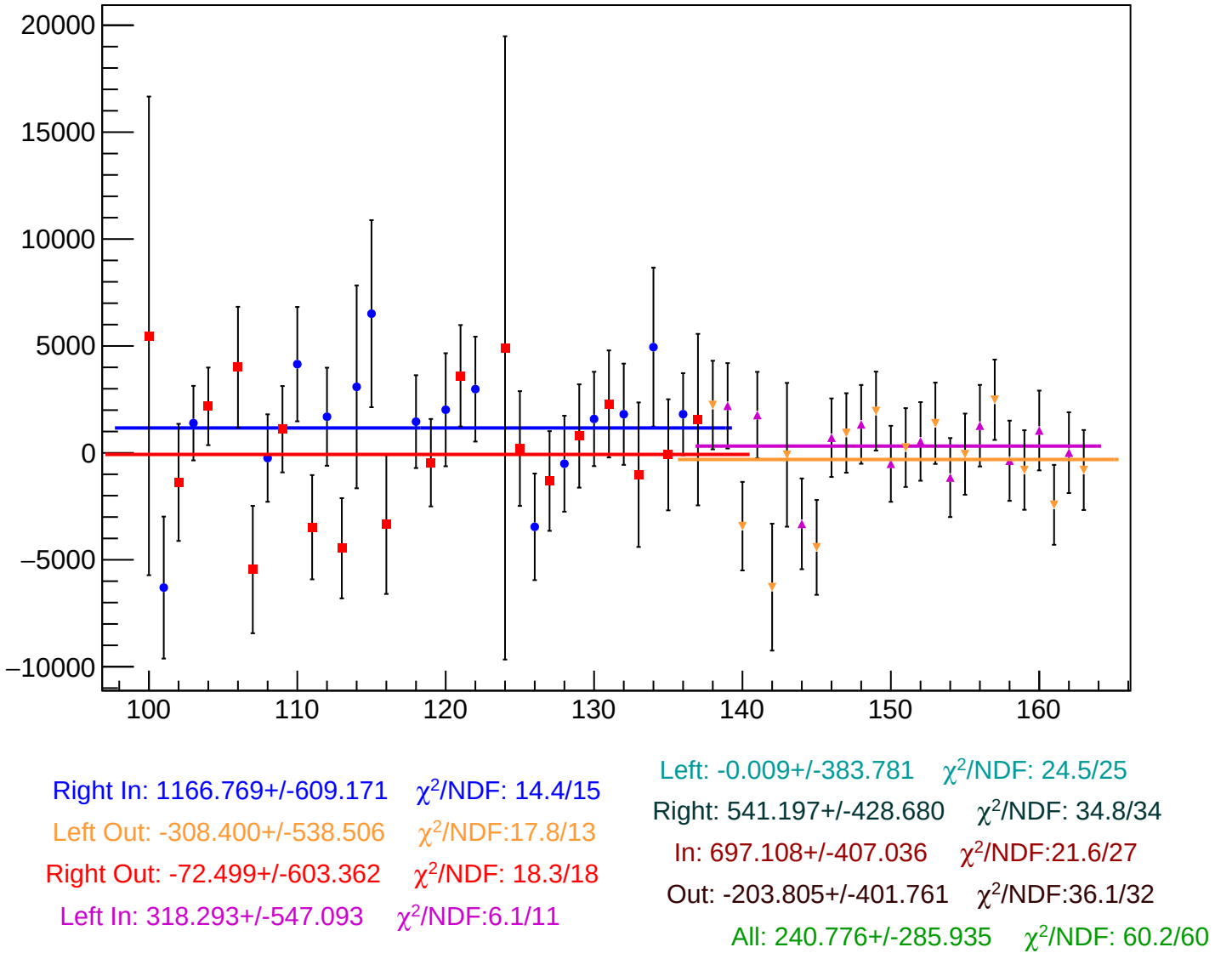
Left: 919.747+/-0.143 χ^2/NDF: 1323122.4/25

Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

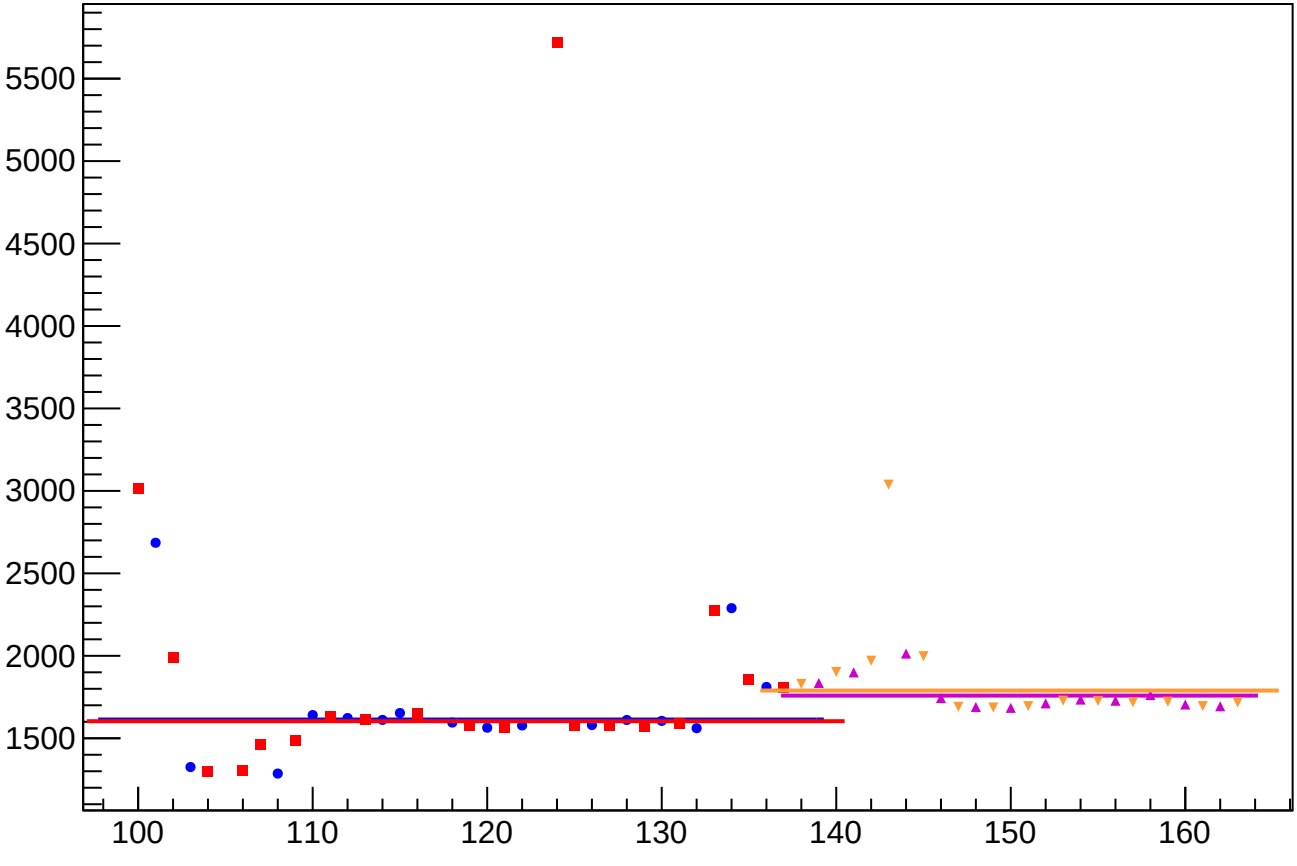
In: 1018.190+/-0.181 χ^2/NDF:3356649.3/27

Out: 1019.790+/-0.179 χ^2/NDF:4312668.7/32

All: 1018.997+/-0.127 χ^2/NDF: 7669357.4/60


cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -308.400+/-538.506 χ²/NDF:17.8/13
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 318.293+/-547.093 χ²/NDF:6.1/11
Left: -0.009+/-383.781 χ²/NDF: 24.5/25
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 697.108+/-407.036 χ²/NDF:21.6/27
Out: -203.805+/-401.761 χ²/NDF:36.1/32
All: 240.776+/-285.935 χ²/NDF: 60.2/60

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1758.803+/-0.387 χ^2/NDF:54153.8/11

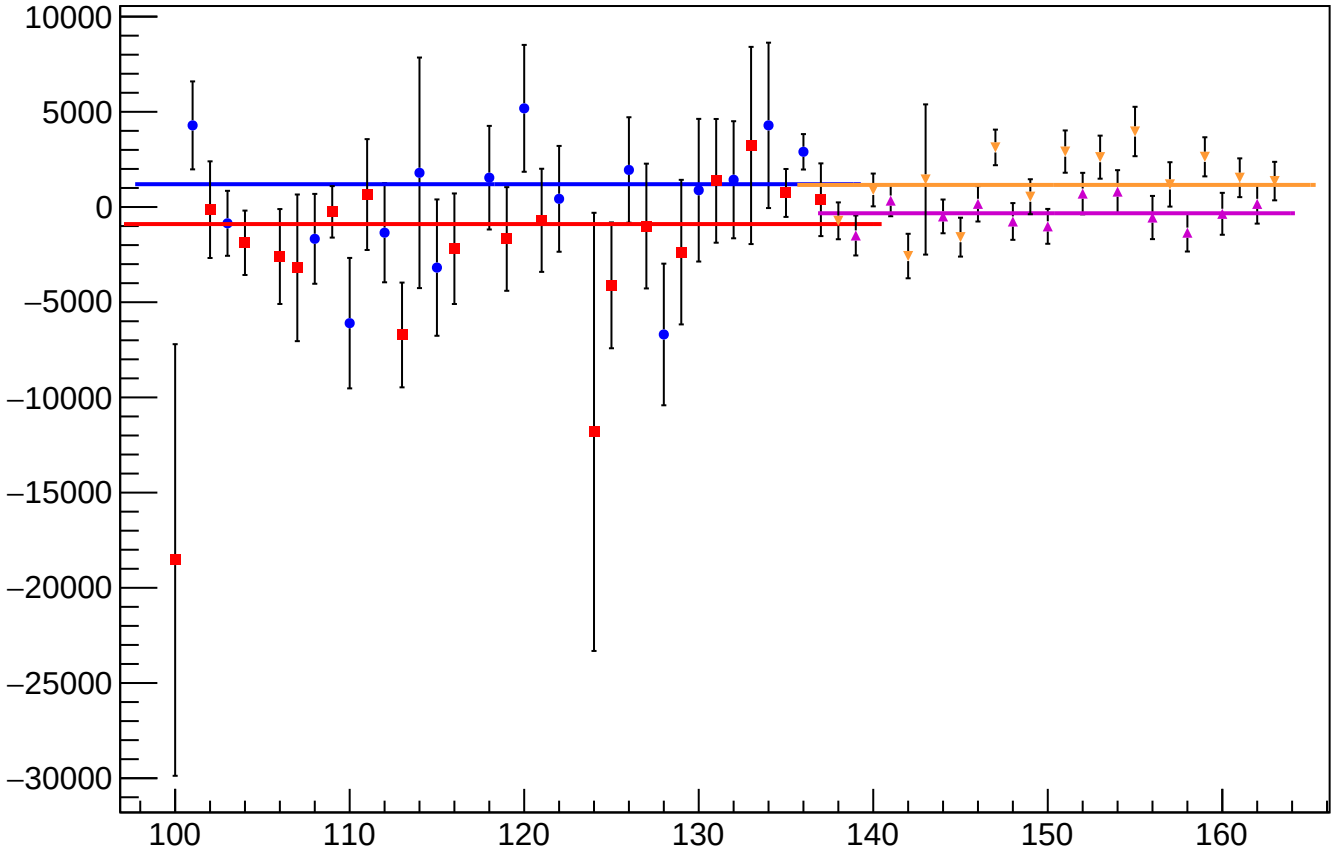
Left: 1774.378+/-0.271 χ^2/NDF: 399762.2/25

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1694.008+/-0.288 χ^2/NDF:521678.7/27

Out: 1706.997+/-0.284 χ^2/NDF:874008.1/32

All: 1700.587+/-0.202 χ^2/NDF: 1396718.3/60



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -327.695+/-285.437 χ^2/NDF:6.2/11

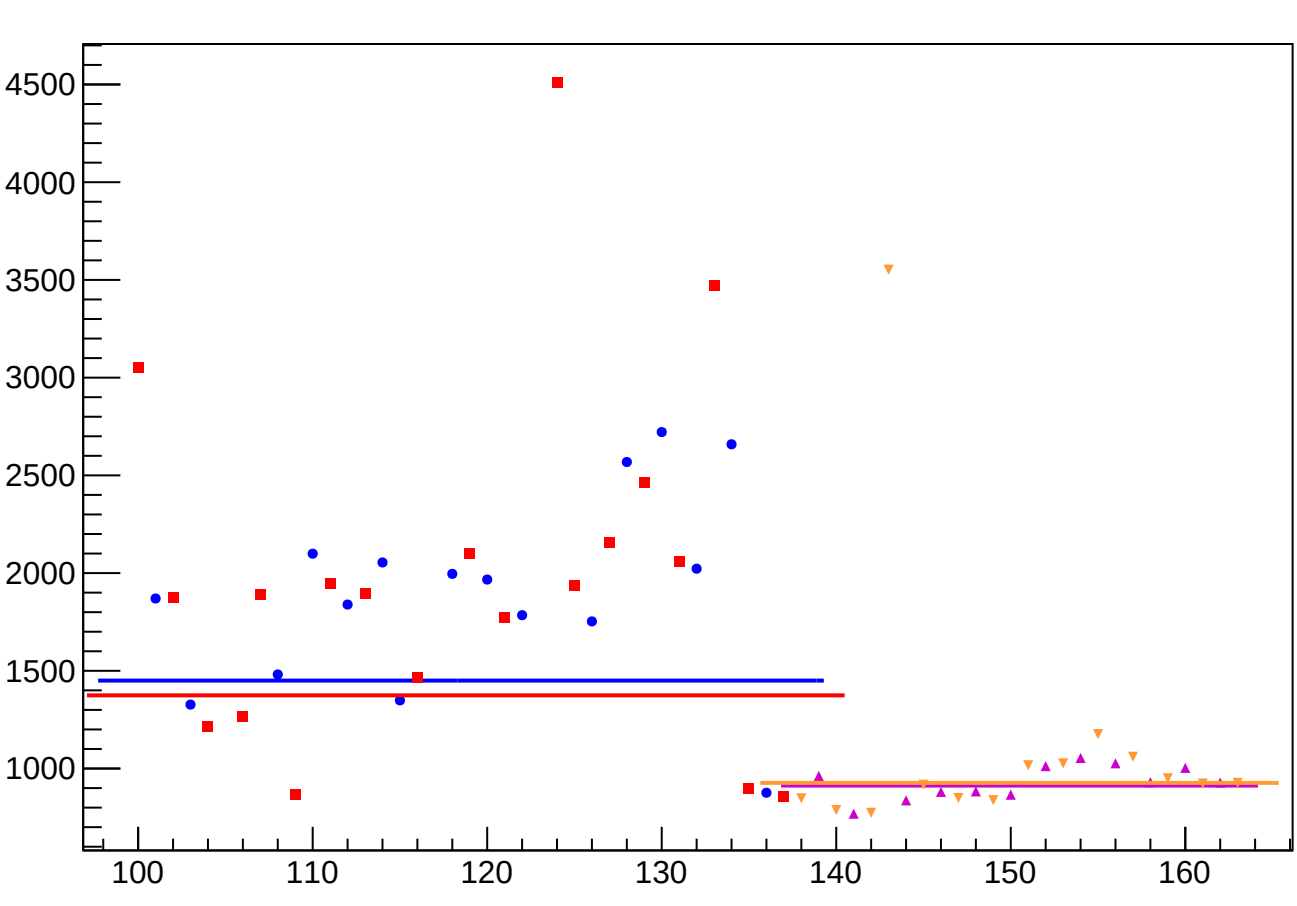
Left: 417.934+/-201.658 χ^2/NDF: 57.1/25

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -28.700+/-255.952 χ^2/NDF:33.5/27

Out: 734.023+/-253.642 χ^2/NDF:62.3/32

All: 356.119+/-180.163 χ^2/NDF: 100.3/60



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 912.870+/-0.202 χ^2/NDF:172998.5/11

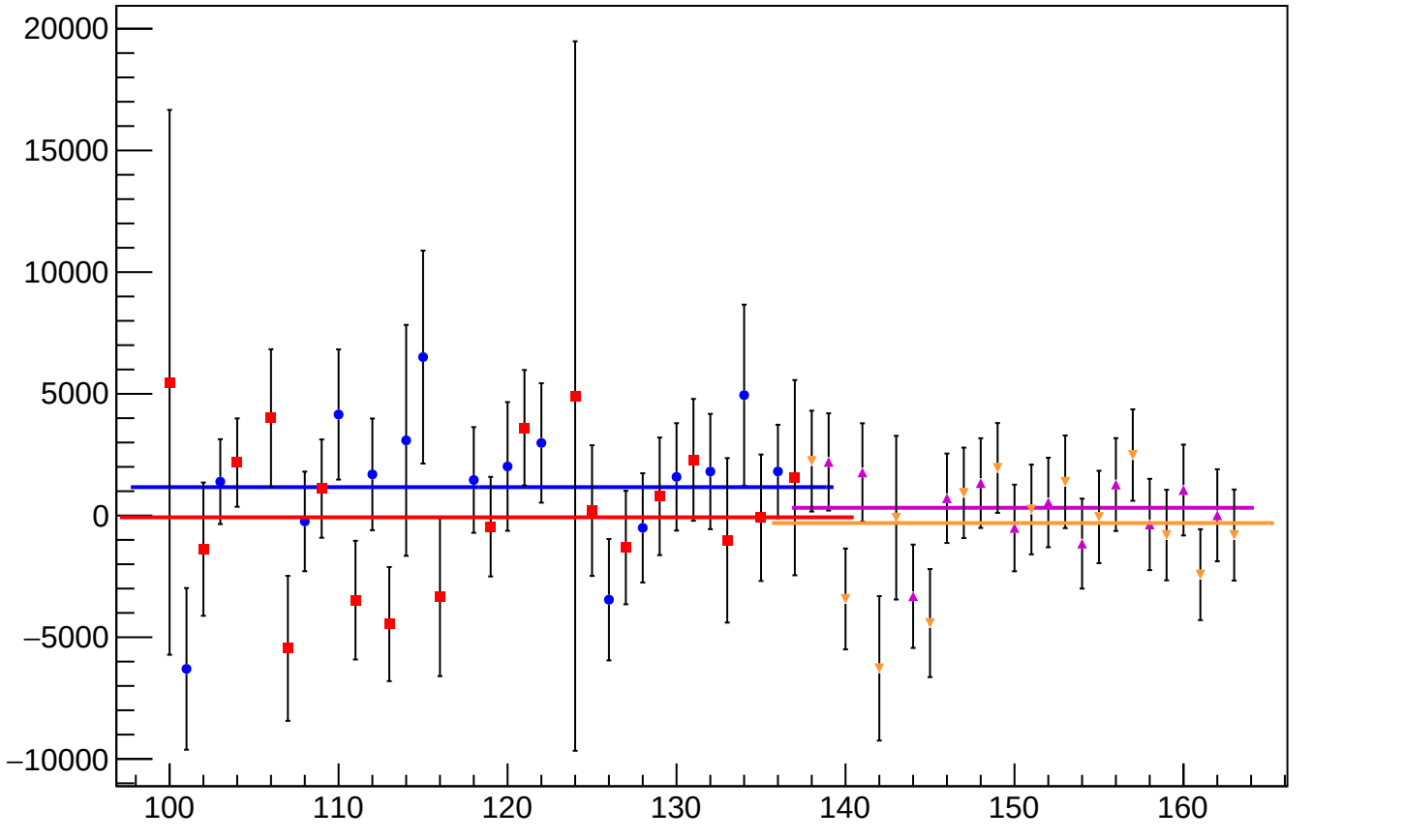
Left: 919.752+/-0.143 χ^2/NDF: 1323077.7/25

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1018.097+/-0.181 χ^2/NDF:3352961.3/27

Out: 1019.584+/-0.179 χ^2/NDF:4301109.3/32

All: 1018.847+/-0.127 χ^2/NDF: 7654104.7/60


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
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−5000
−10000
100
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120
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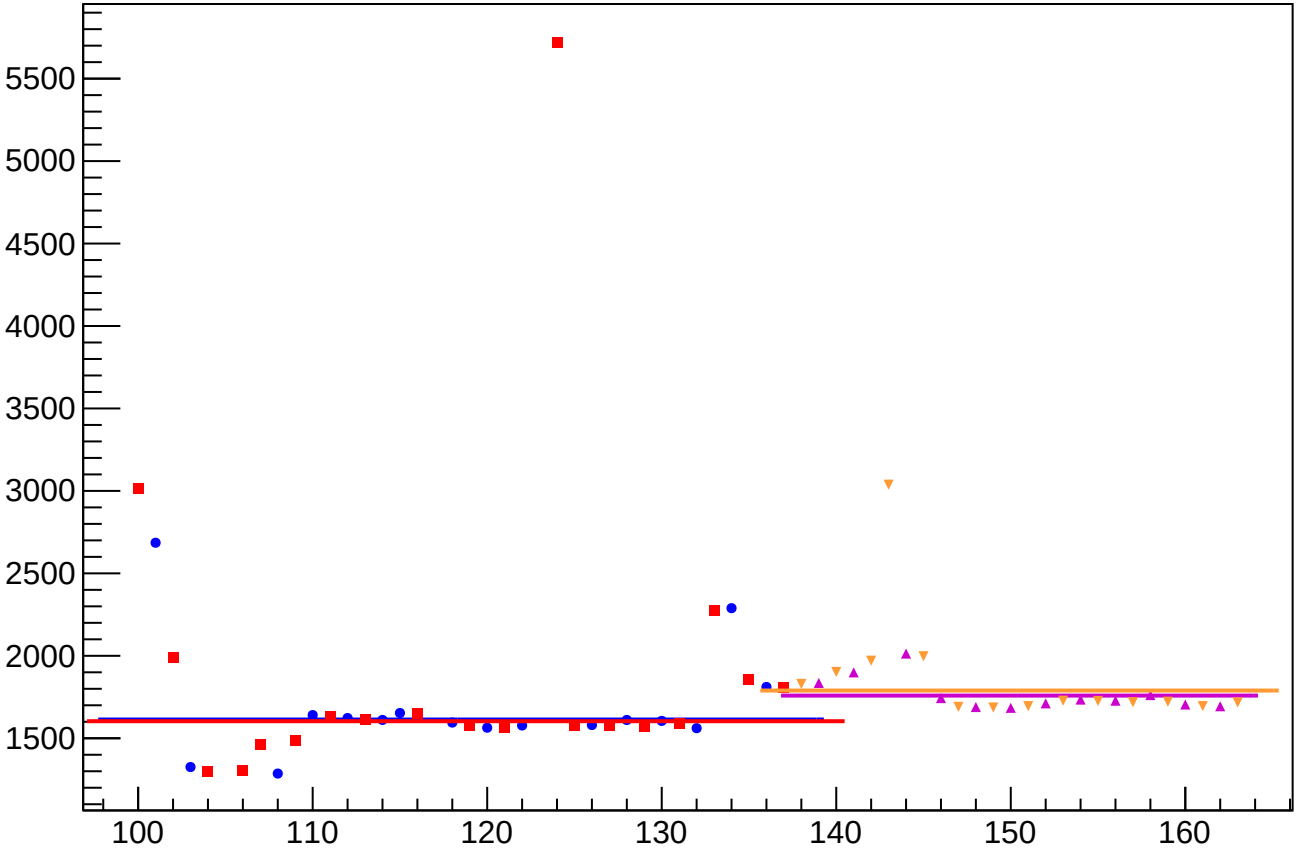
140
150
160
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -308.400+/-538.506 χ²/NDF:17.8/13
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 318.293+/-547.093 χ²/NDF:6.1/11
Left: -0.009+/-383.781 χ²/NDF: 24.5/25
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 697.108+/-407.036 χ²/NDF:21.6/27
Out: -203.805+/-401.761 χ²/NDF:36.1/32
All: 240.776+/-285.935 χ²/NDF: 60.2/60

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1789.468+/-0.381 χ^2/NDF:342416.9/13

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1758.803+/-0.387 χ^2/NDF:54153.8/11

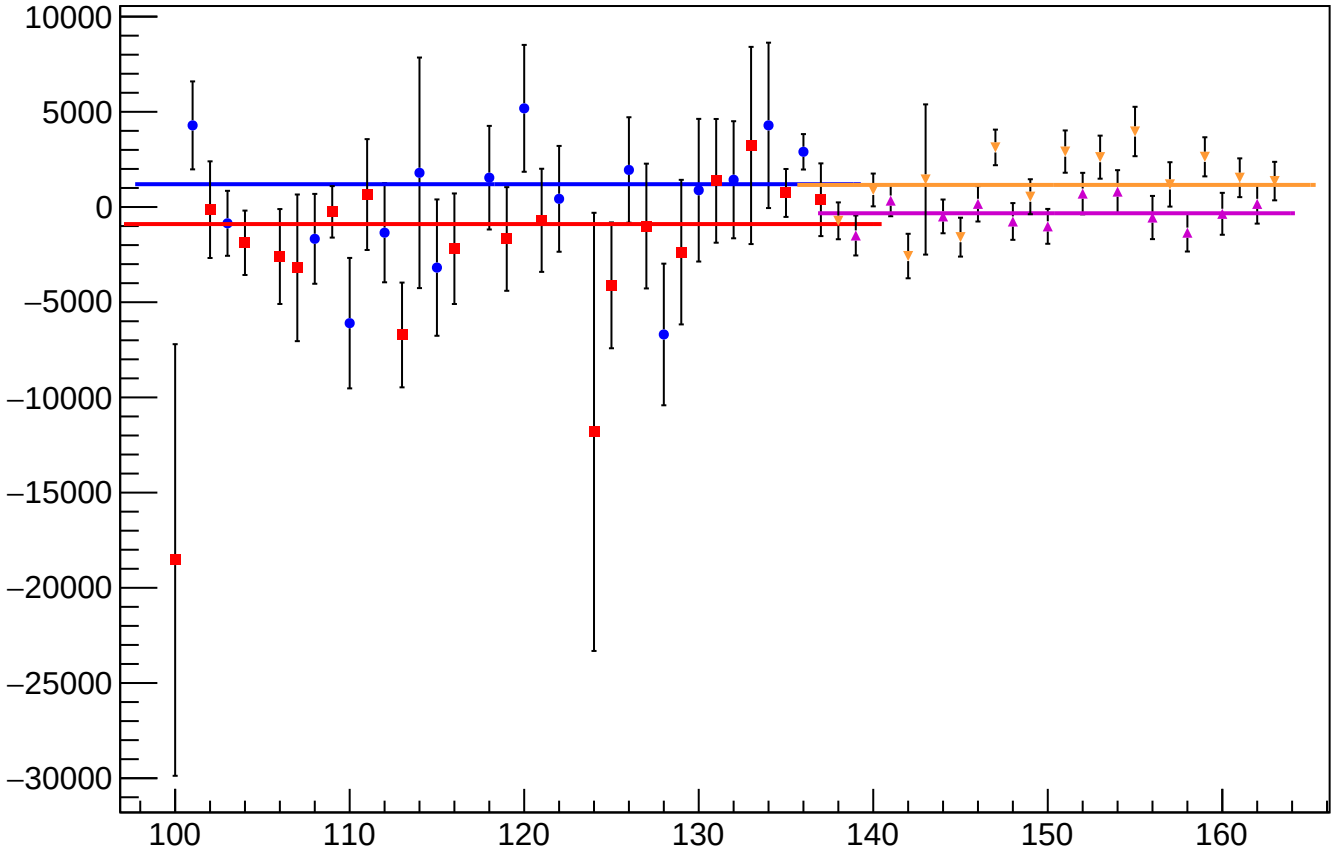
Left: 1774.378+/-0.271 χ^2/NDF: 399762.2/25

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1694.008+/-0.288 χ^2/NDF:521678.7/27

Out: 1706.997+/-0.284 χ^2/NDF:874008.1/32

All: 1700.587+/-0.202 χ^2/NDF: 1396718.3/60



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 1160.960+/-284.939 χ^2/NDF:37.3/13

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -327.695+/-285.437 χ^2/NDF:6.2/11

Left: 417.934+/-201.658 χ^2/NDF: 57.1/25

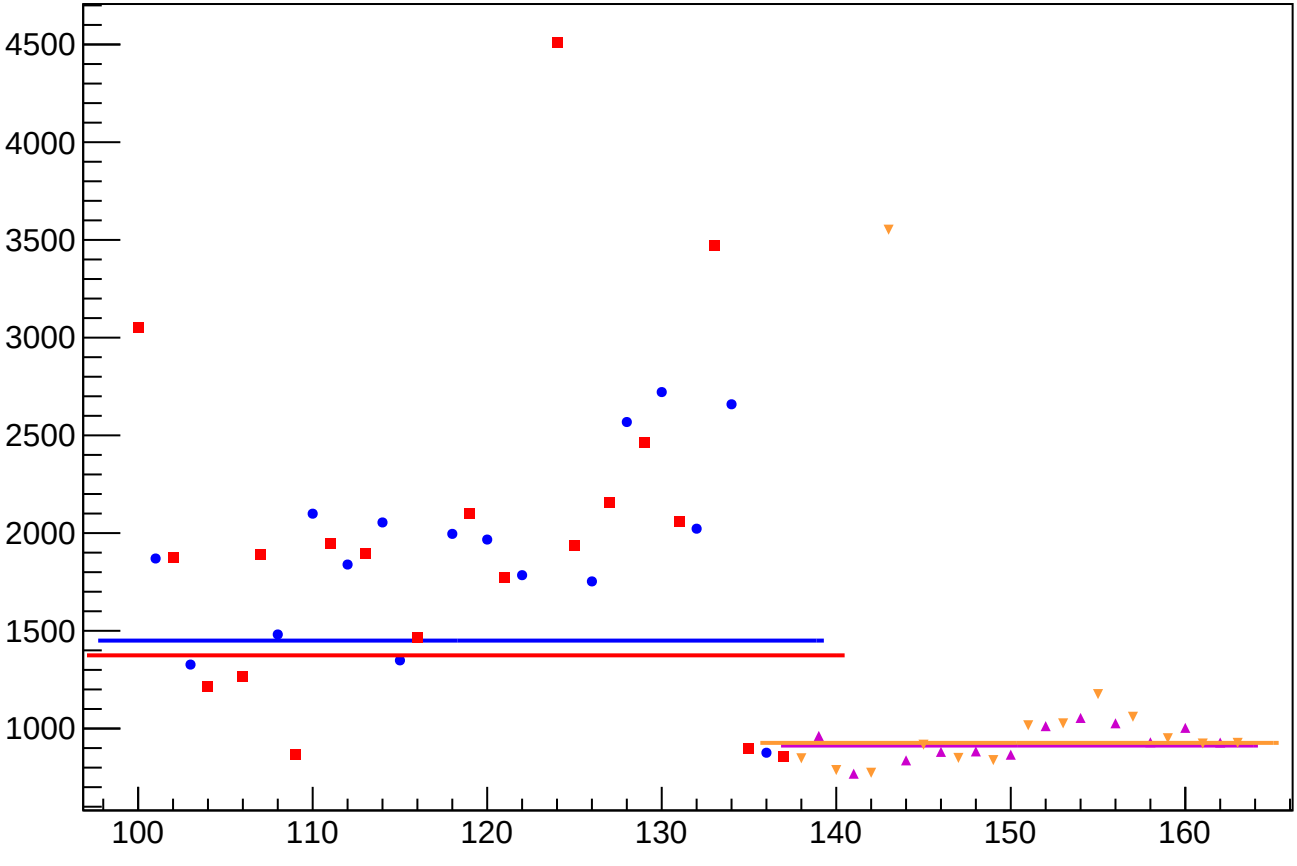
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -28.700+/-255.952 χ^2/NDF:33.5/27

Out: 734.023+/-253.642 χ^2/NDF:62.3/32

All: 356.119+/-180.163 χ^2/NDF: 100.3/60

asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 926.609+/-0.201 χ^2/NDF:1147758.2/13

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 912.870+/-0.202 χ^2/NDF:172998.5/11

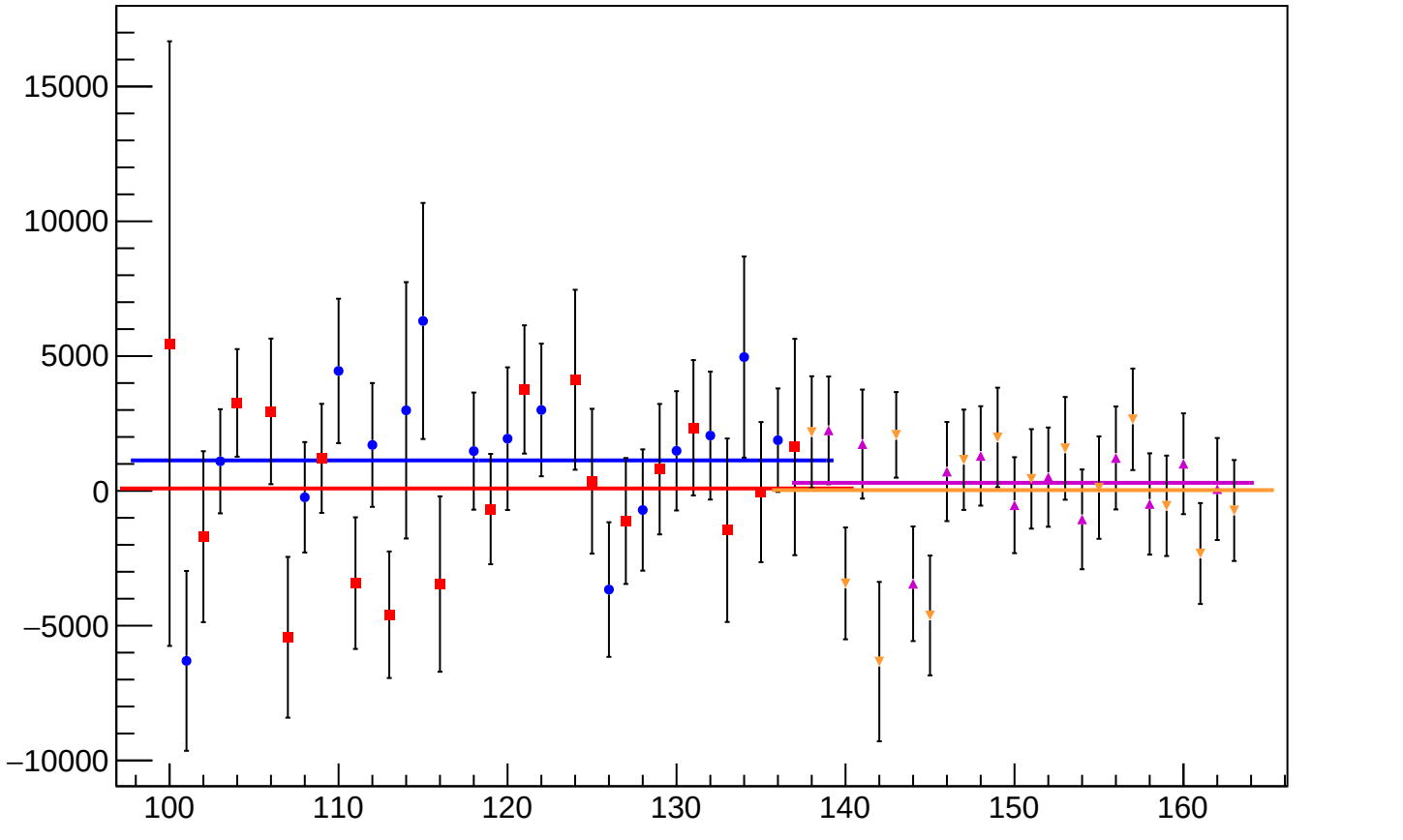
Left: 919.752+/-0.143 χ^2/NDF: 1323077.7/25

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1018.097+/-0.181 χ^2/NDF:3352961.3/27

Out: 1019.584+/-0.179 χ^2/NDF:4301109.3/32

All: 1018.847+/-0.127 χ^2/NDF: 7654104.7/60



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 28.203+/-516.503 χ^2/NDF:20.5/13

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 299.384+/-547.837 χ^2/NDF:6.2/11

Left: 155.817+/-375.812 χ^2/NDF: 26.9/25

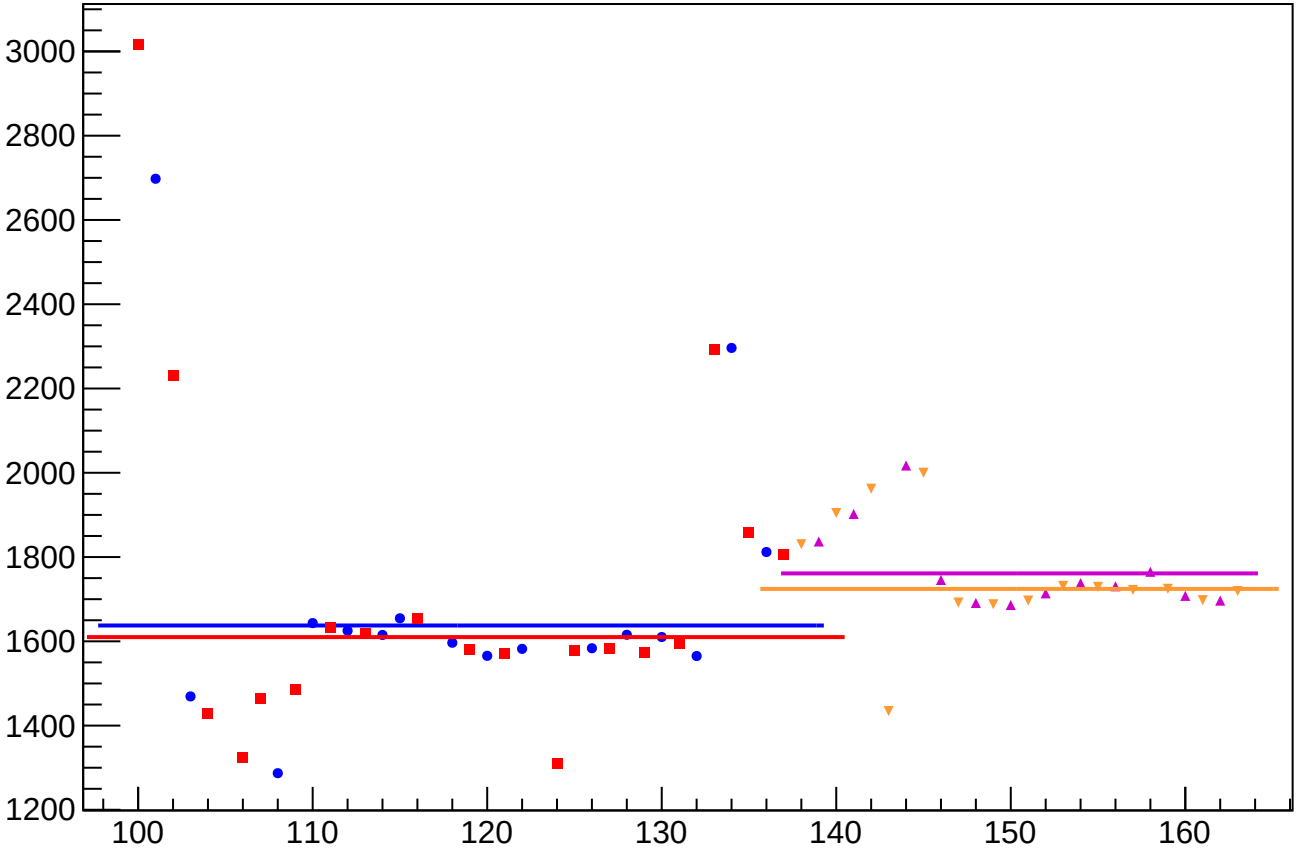
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 665.710+/-409.728 χ^2/NDF:22.2/27

Out: 54.022+/-392.292 χ^2/NDF:41.2/32

All: 346.575+/-283.356 χ^2/NDF: 64.6/60

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1724.411+/-0.365 χ^2/NDF:132941.6/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1761.182+/-0.387 χ^2/NDF:54307.4/11

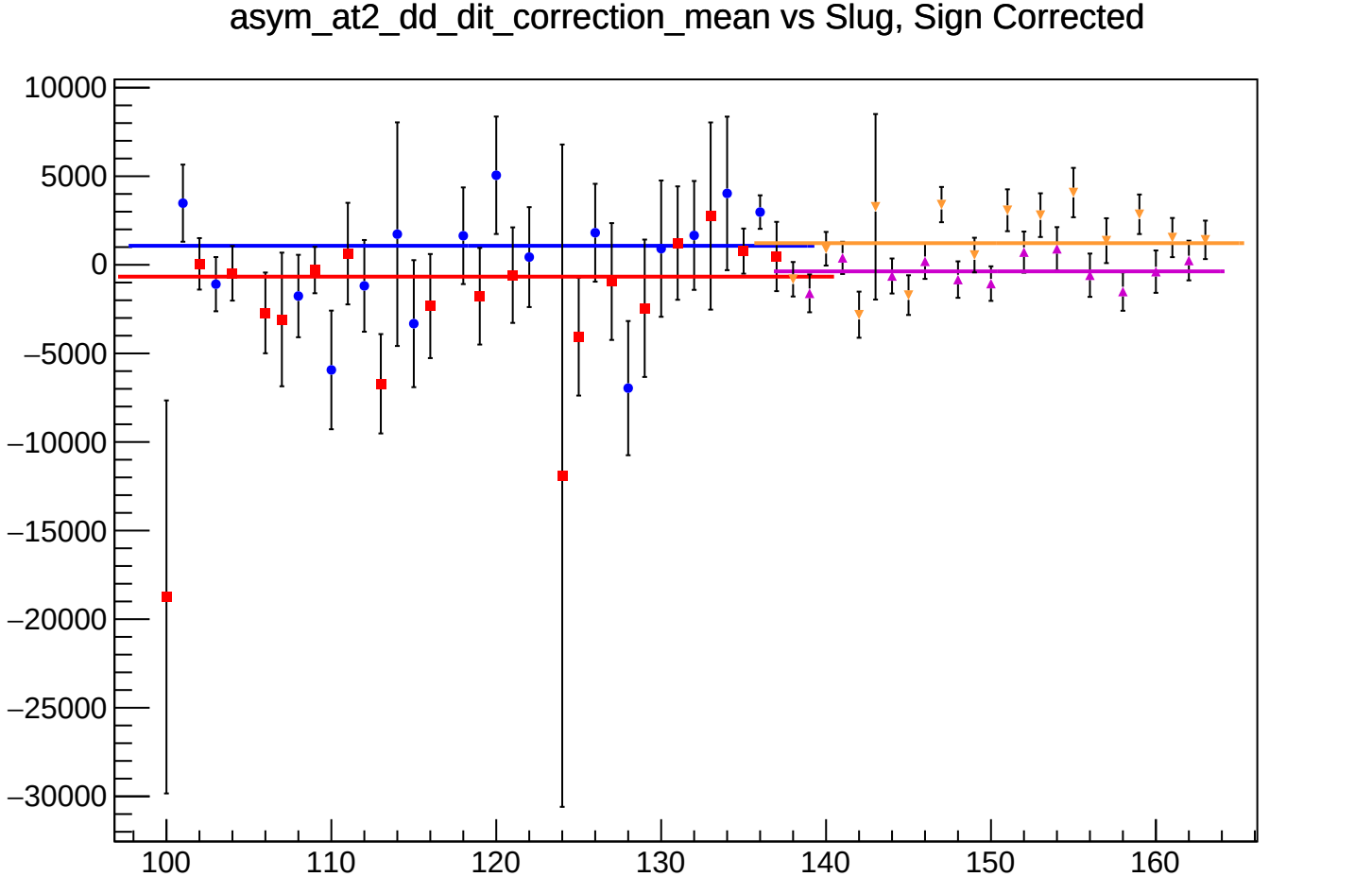
Left: 1741.715+/-0.266 χ^2/NDF: 192019.1/25

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1706.715+/-0.290 χ^2/NDF:460589.3/27

Out: 1676.018+/-0.277 χ^2/NDF:455246.9/32

All: 1690.699+/-0.200 χ^2/NDF: 921693.2/60



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1222.677+/-306.648 χ^2/NDF:37.0/13

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -368.926+/-307.901 χ^2/NDF:6.5/11

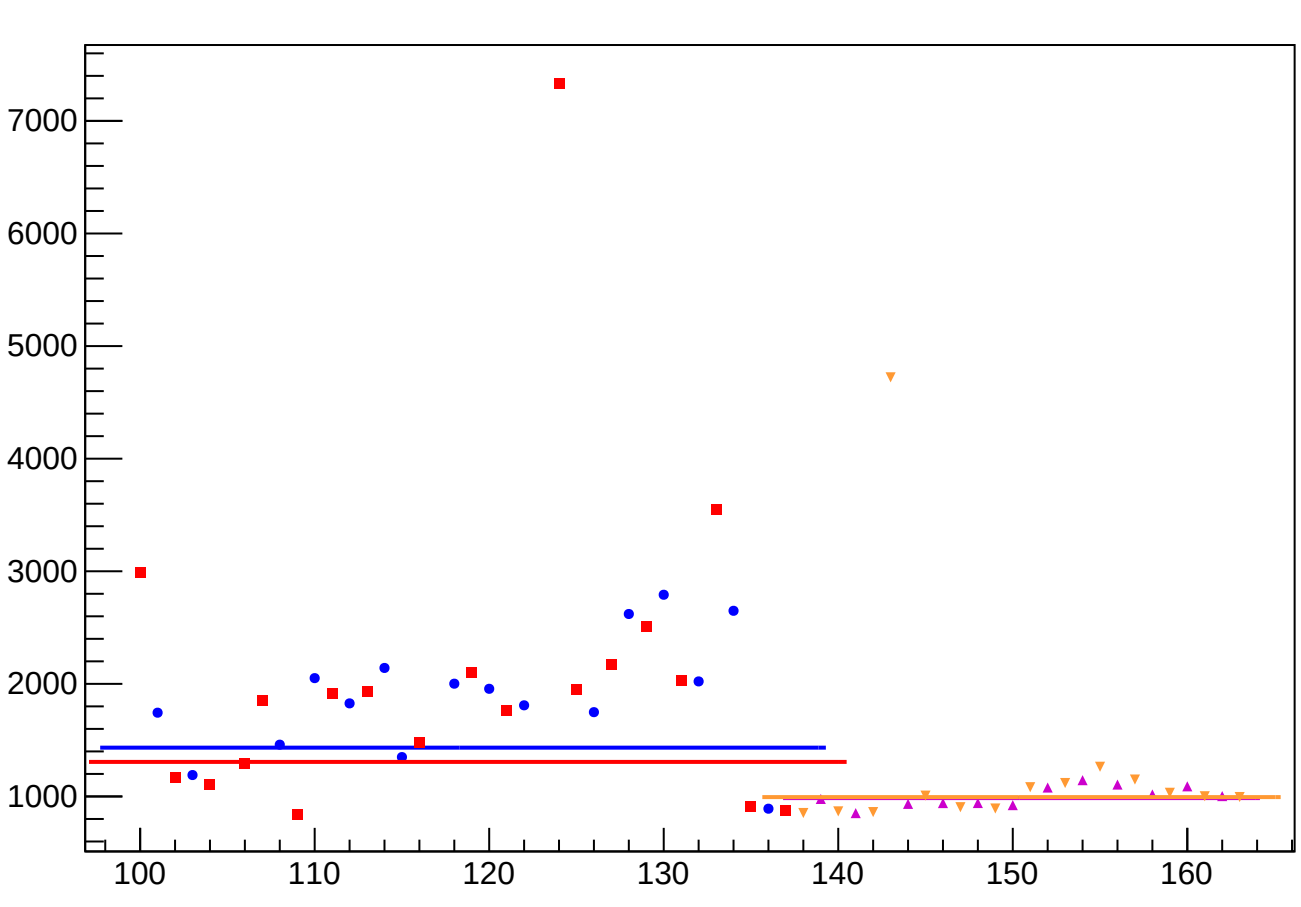
Left: 430.120+/-217.275 χ^2/NDF: 56.9/25

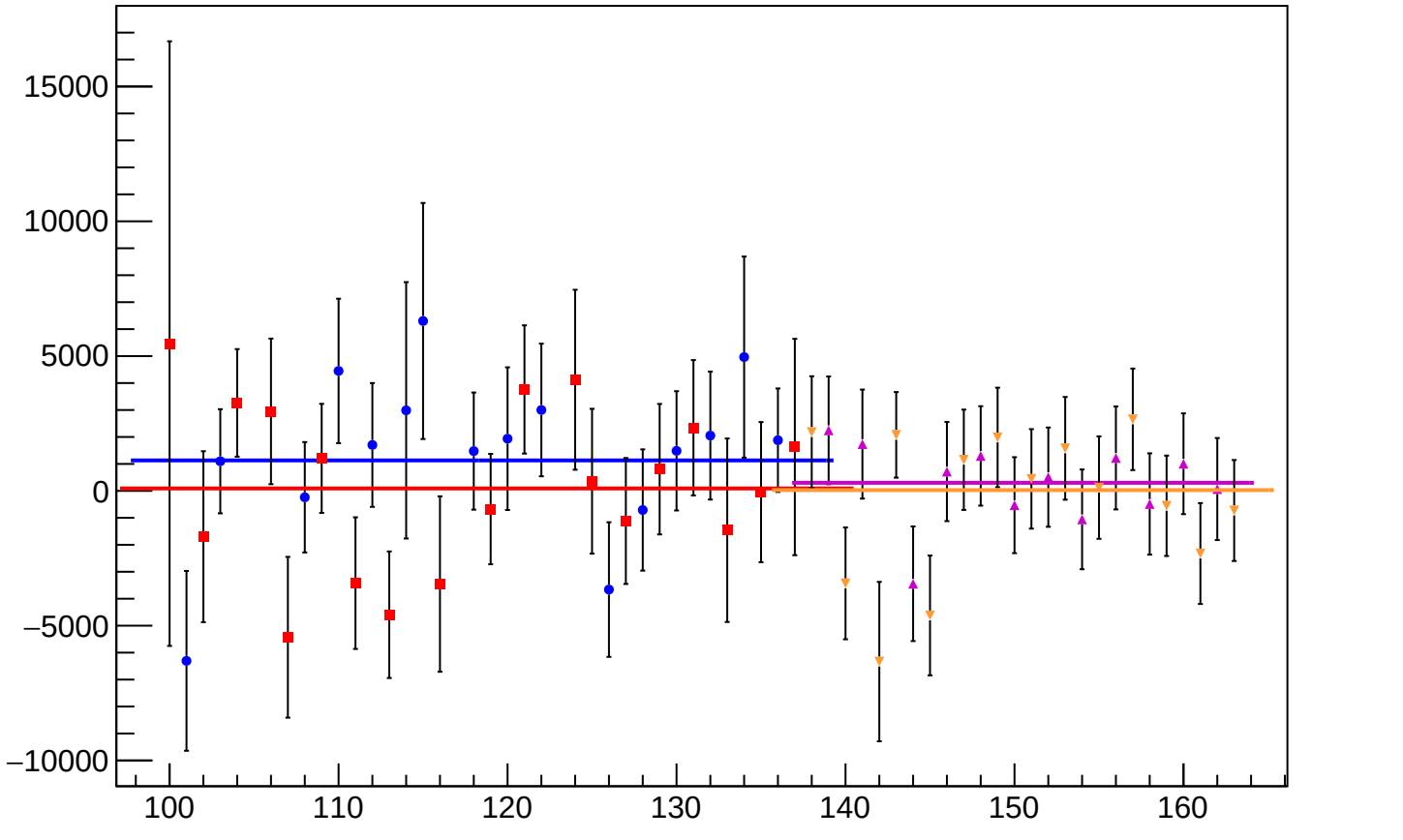
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -44.506+/-271.076 χ^2/NDF:33.5/27

Out: 739.699+/-264.593 χ^2/NDF:60.2/32

All: 357.086+/-189.346 χ^2/NDF: 98.0/60


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 994.241+/-0.217 χ²/NDF:1290565.3/13
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 985.395+/-0.218 χ²/NDF:148287.6/11
Left: 989.836+/-0.154 χ²/NDF: 1439681.7/25
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1086.168+/-0.192 χ²/NDF:2864368.0/27
Out: 1074.112+/-0.187 χ²/NDF:4005548.4/32
All: 1079.994+/-0.134 χ²/NDF: 6871942.3/60


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
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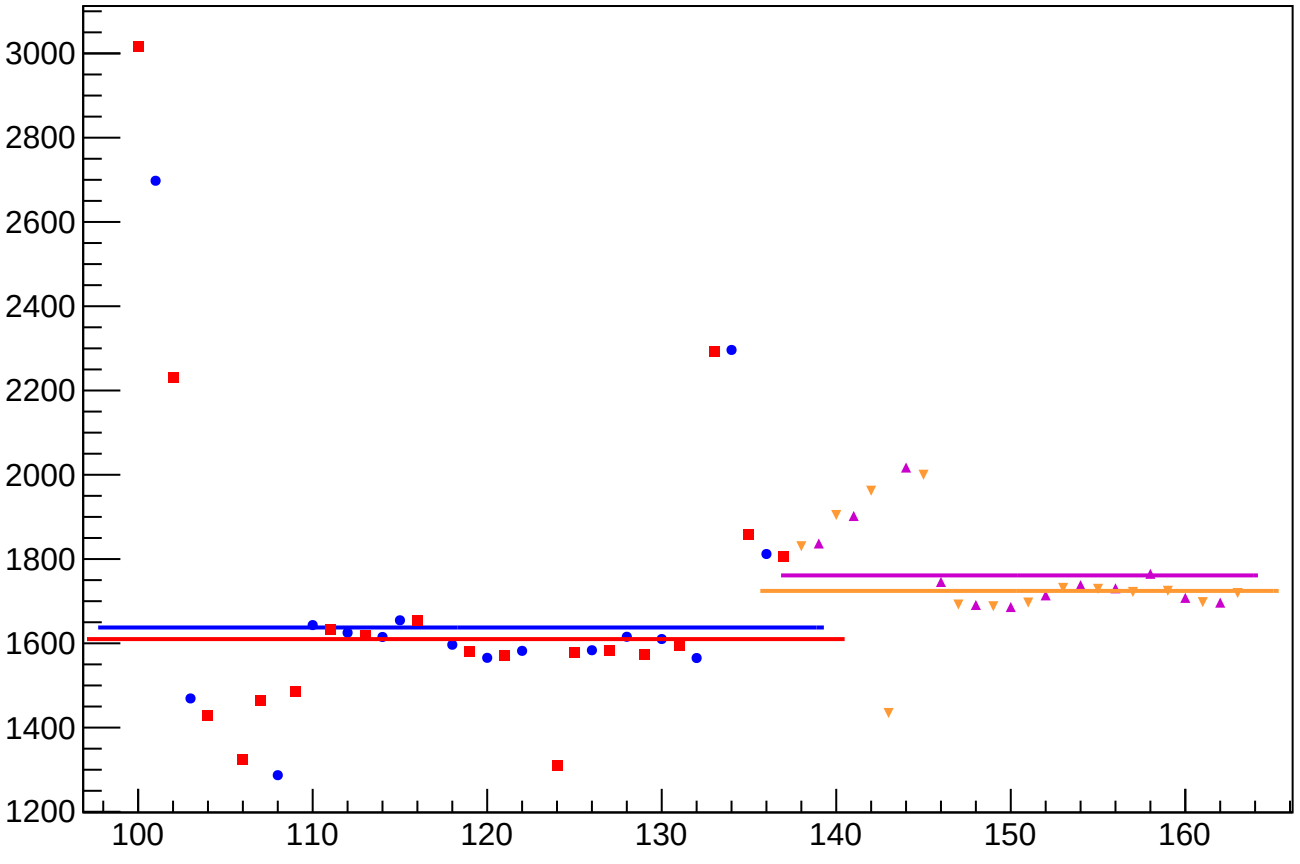
−5000
−10000
100
110
120
130
140
150
160
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 28.194+/-516.504 χ²/NDF:20.5/13
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 299.383+/-547.837 χ²/NDF:6.2/11
Left: 155.812+/-375.812 χ²/NDF: 26.9/25
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 665.710+/-409.728 χ²/NDF:22.2/27
Out: 54.019+/-392.292 χ²/NDF:41.2/32
All: 346.573+/-283.356 χ²/NDF: 64.6/60



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1724.411+/-0.365 χ^2/NDF:132940.5/13

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1761.182+/-0.387 χ^2/NDF:54307.5/11

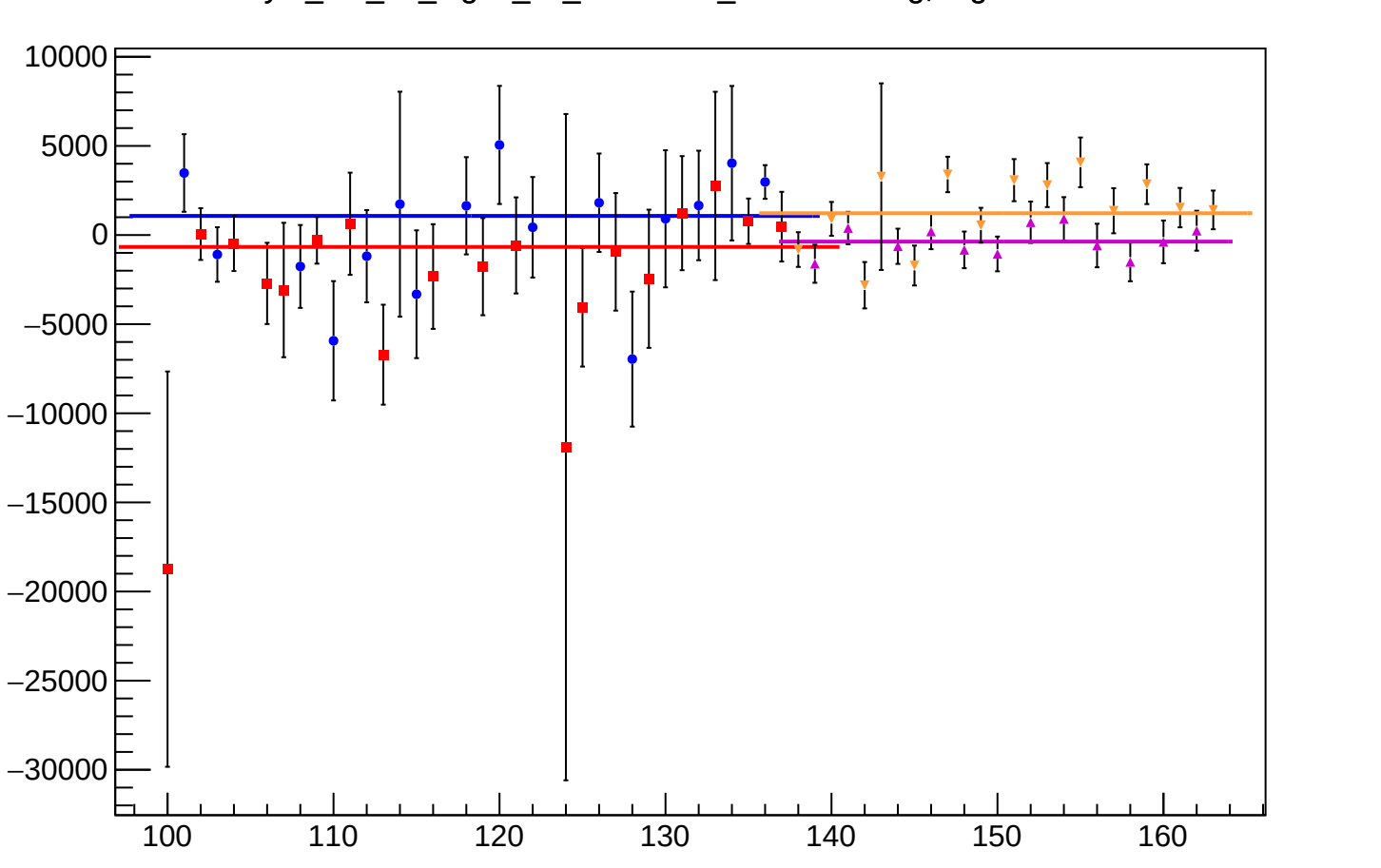
Left: 1741.715+/-0.266 χ^2/NDF: 192018.0/25

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1706.714+/-0.290 χ^2/NDF:460589.3/27

Out: 1676.018+/-0.277 χ^2/NDF:455246.3/32

All: 1690.699+/-0.200 χ^2/NDF: 921692.6/60



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1222.688+/-306.649 χ^2/NDF:37.0/13

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -368.924+/-307.902 χ^2/NDF:6.5/11

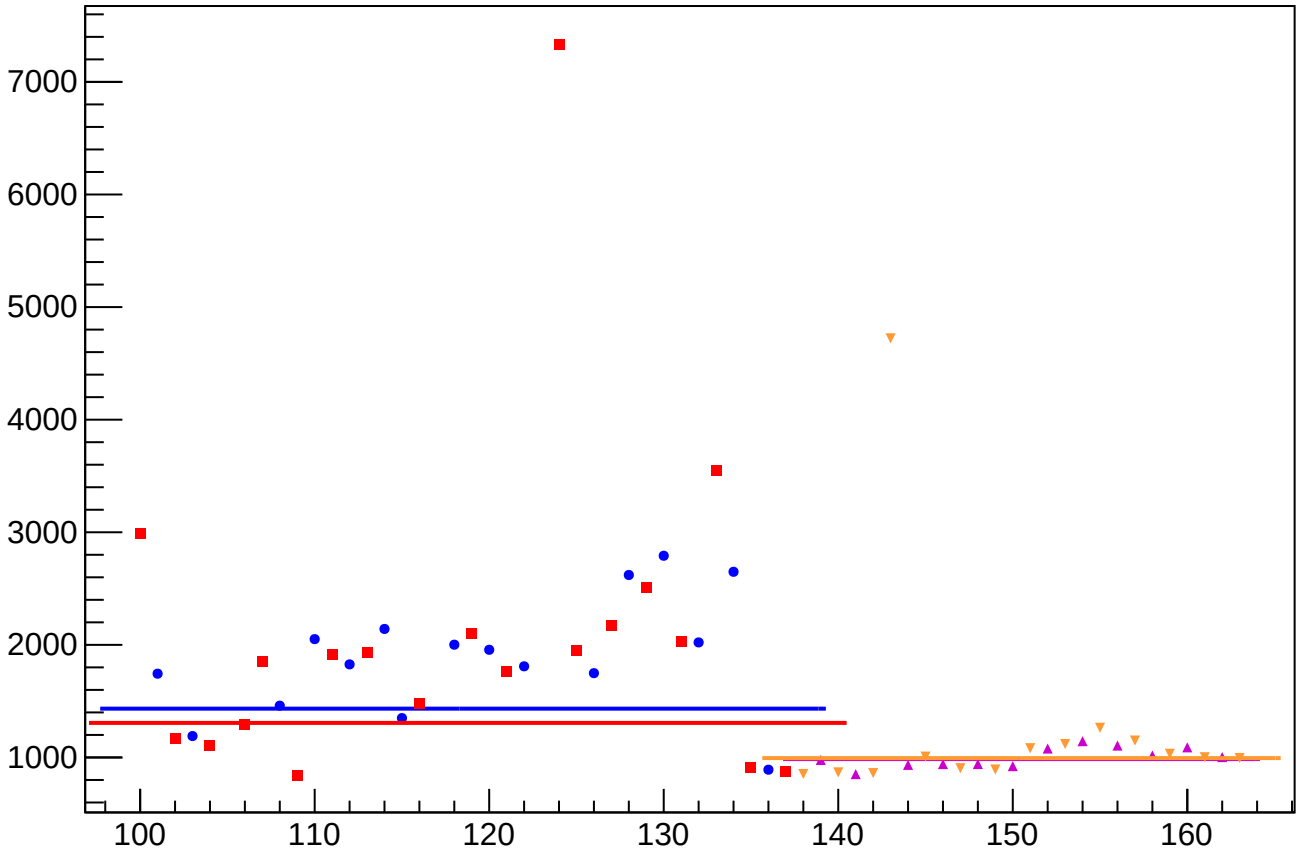
Left: 430.126+/-217.275 χ^2/NDF: 56.9/25

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -44.509+/-271.077 χ^2/NDF:33.5/27

Out: 739.708+/-264.594 χ^2/NDF:60.2/32

All: 357.089+/-189.347 χ^2/NDF: 98.0/60


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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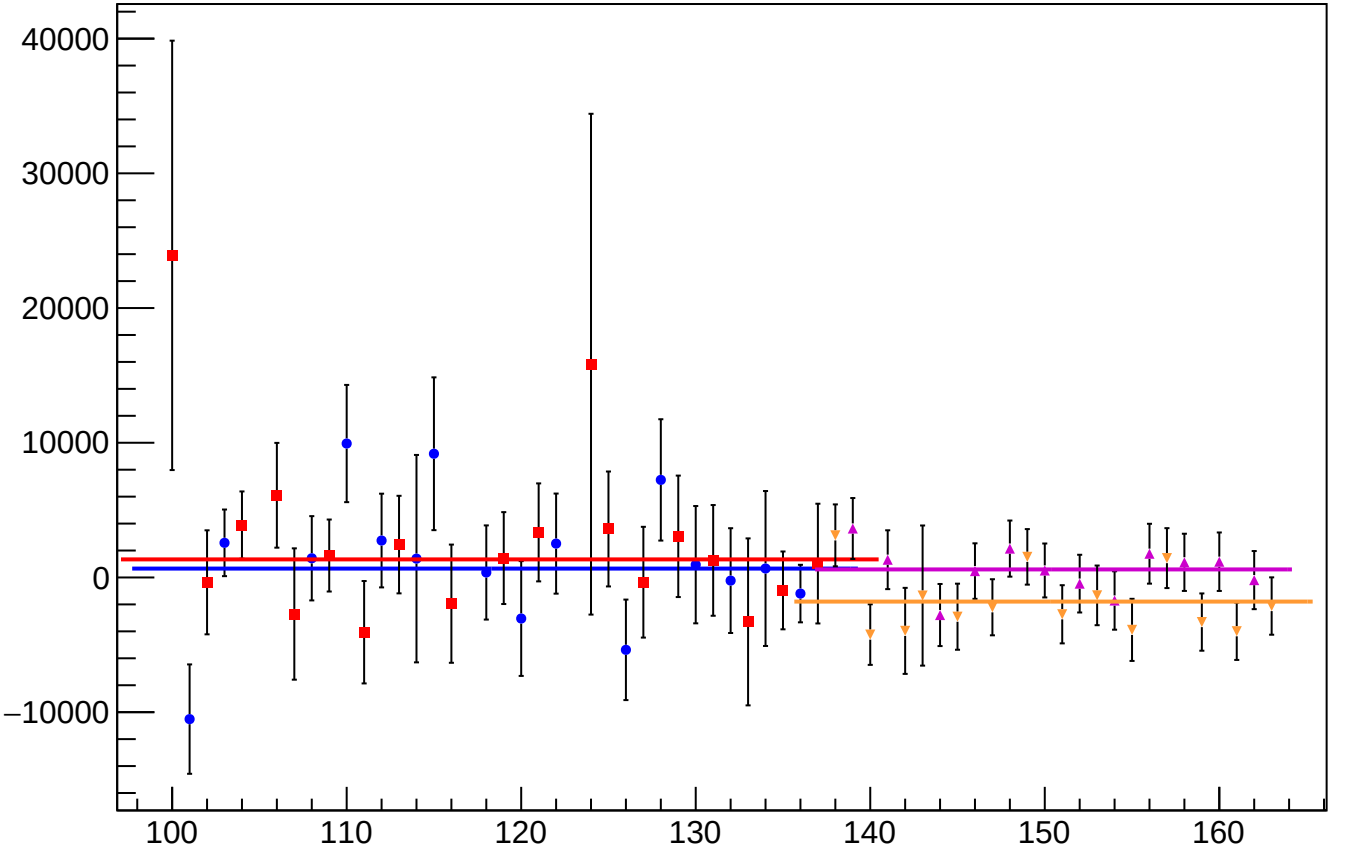
120
130
140
150
160
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 994.244+/-0.217 χ²/NDF:1290544.1/13
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 985.396+/-0.218 χ²/NDF:148288.8/11
Left: 989.838+/-0.154 χ²/NDF: 1439662.0/25
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1086.171+/-0.192 χ²/NDF:2864324.9/27
Out: 1074.116+/-0.187 χ²/NDF:4005485.2/32
All: 1079.998+/-0.134 χ²/NDF: 6871835.6/60

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1790.144+/-617.136 χ^2/NDF:13.9/13

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 596.866+/-621.180 χ^2/NDF:6.5/11

Left: -604.435+/-437.804 χ^2/NDF: 27.8/25

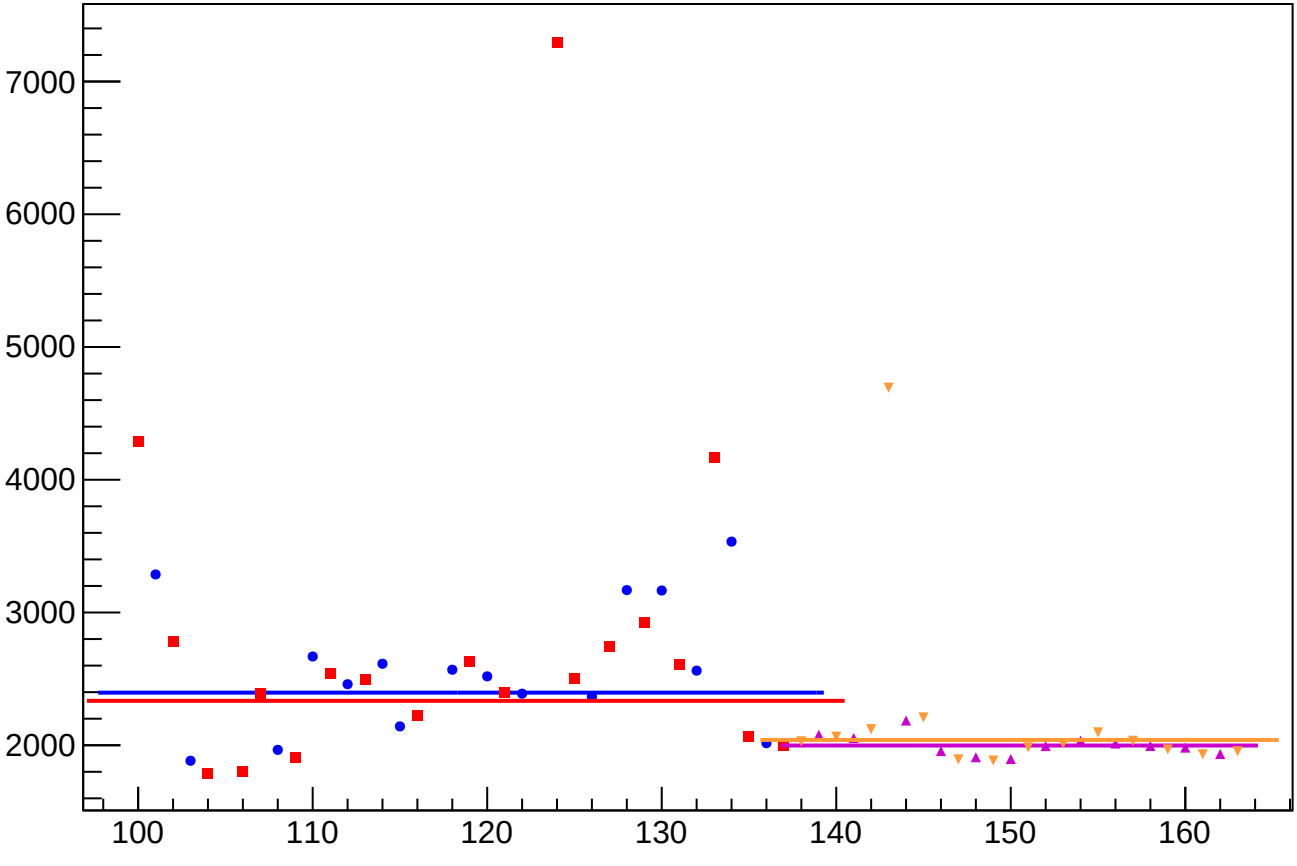
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 616.774+/-512.969 χ^2/NDF:28.5/27

Out: -774.032+/-507.249 χ^2/NDF:33.0/32

All: -86.426+/-360.684 χ^2/NDF: 65.3/60

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2040.057+/-0.436 χ^2/NDF:566278.3/13

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1997.992+/-0.439 χ^2/NDF:29397.5/11

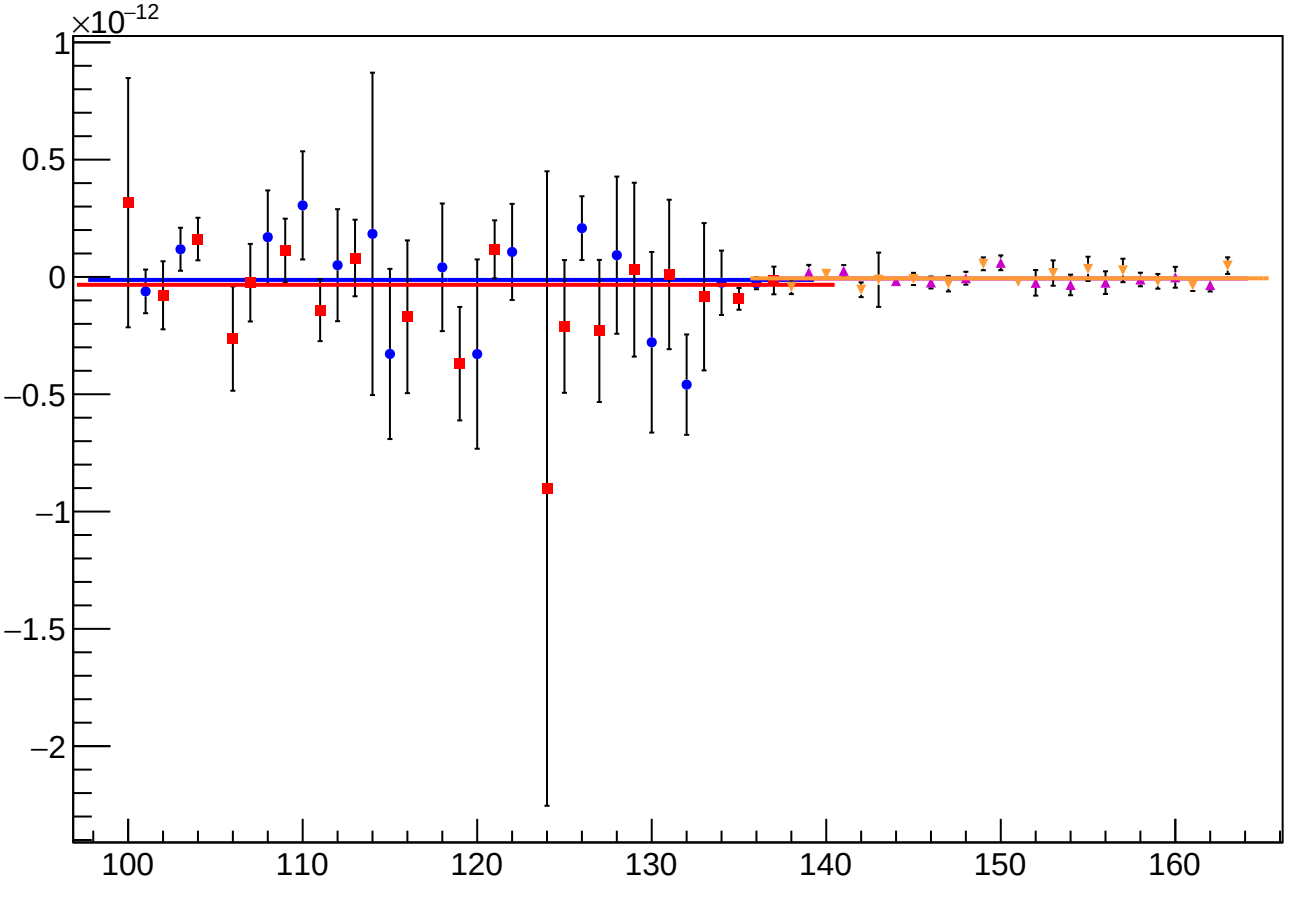
Left: 2019.162+/-0.310 χ^2/NDF: 600291.4/25

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2124.670+/-0.363 χ^2/NDF:798805.7/27

Out: 2135.609+/-0.359 χ^2/NDF:1395638.1/32

All: 2130.201+/-0.255 χ^2/NDF: 2194903.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/13

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

Left In: -0.000+/-0.000 χ^2/NDF:9.8/11

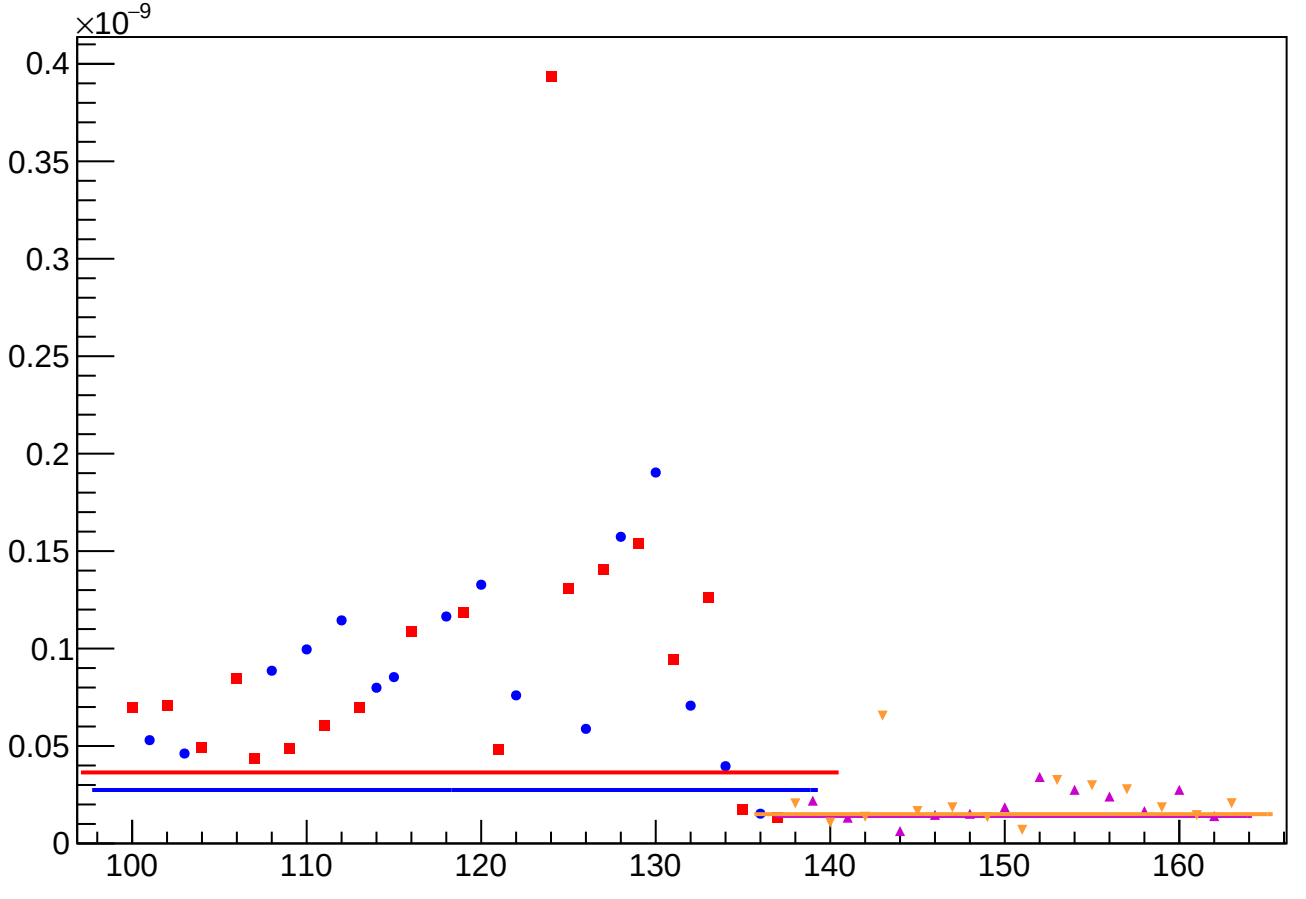
Left: -0.000+/-0.000 χ^2/NDF: 25.8/25

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:24.7/27

Out: -0.000+/-0.000 χ^2/NDF:32.2/32

All: -0.000+/-0.000 χ^2/NDF: 56.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1544393.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1536323.1/11

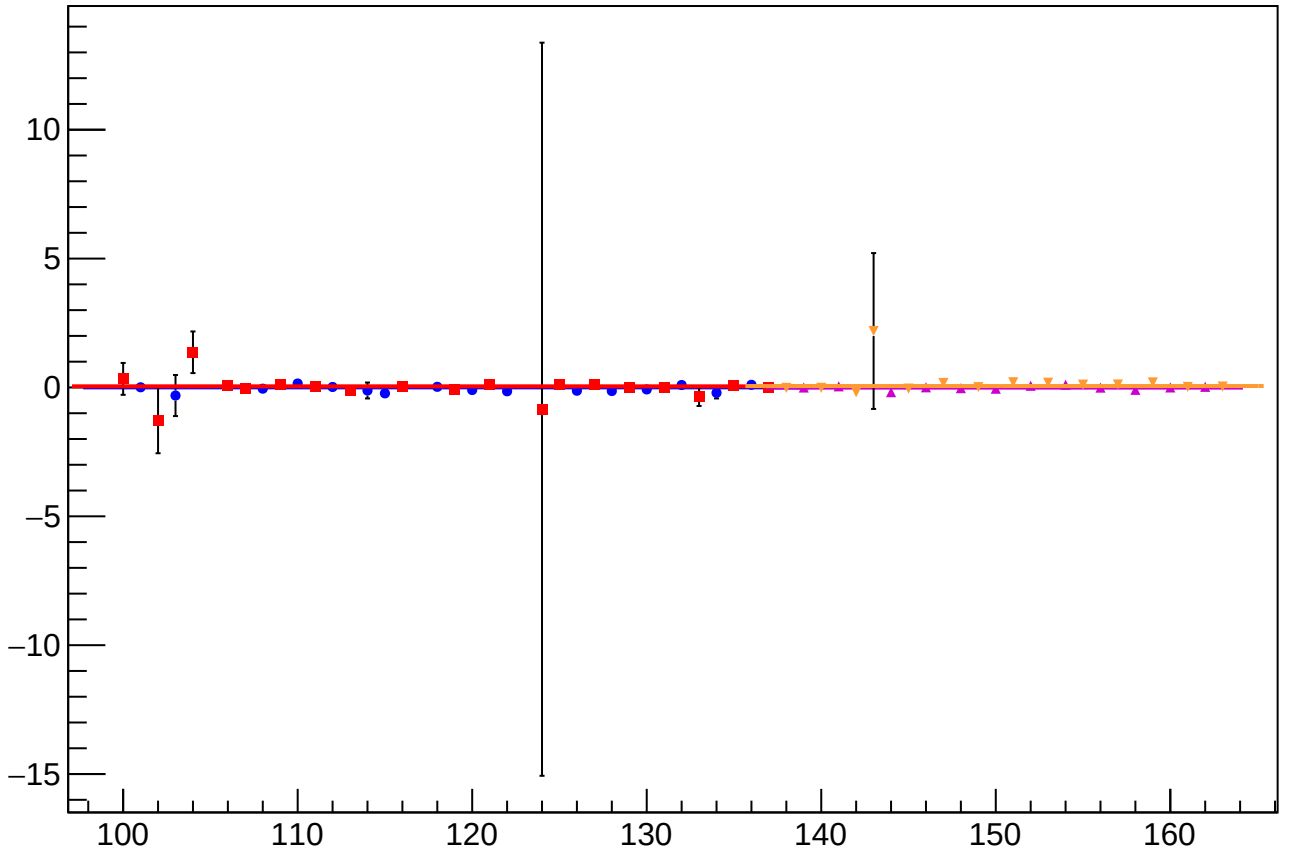
Left: 0.000+/-0.000 χ^2/NDF: 3094055.9/25

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4904031.2/27

Out: 0.000+/-0.000 χ^2/NDF:5070750.8/32

All: 0.000+/-0.000 χ^2/NDF: 9992232.2/60



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.023 χ^2/NDF:6.1/11

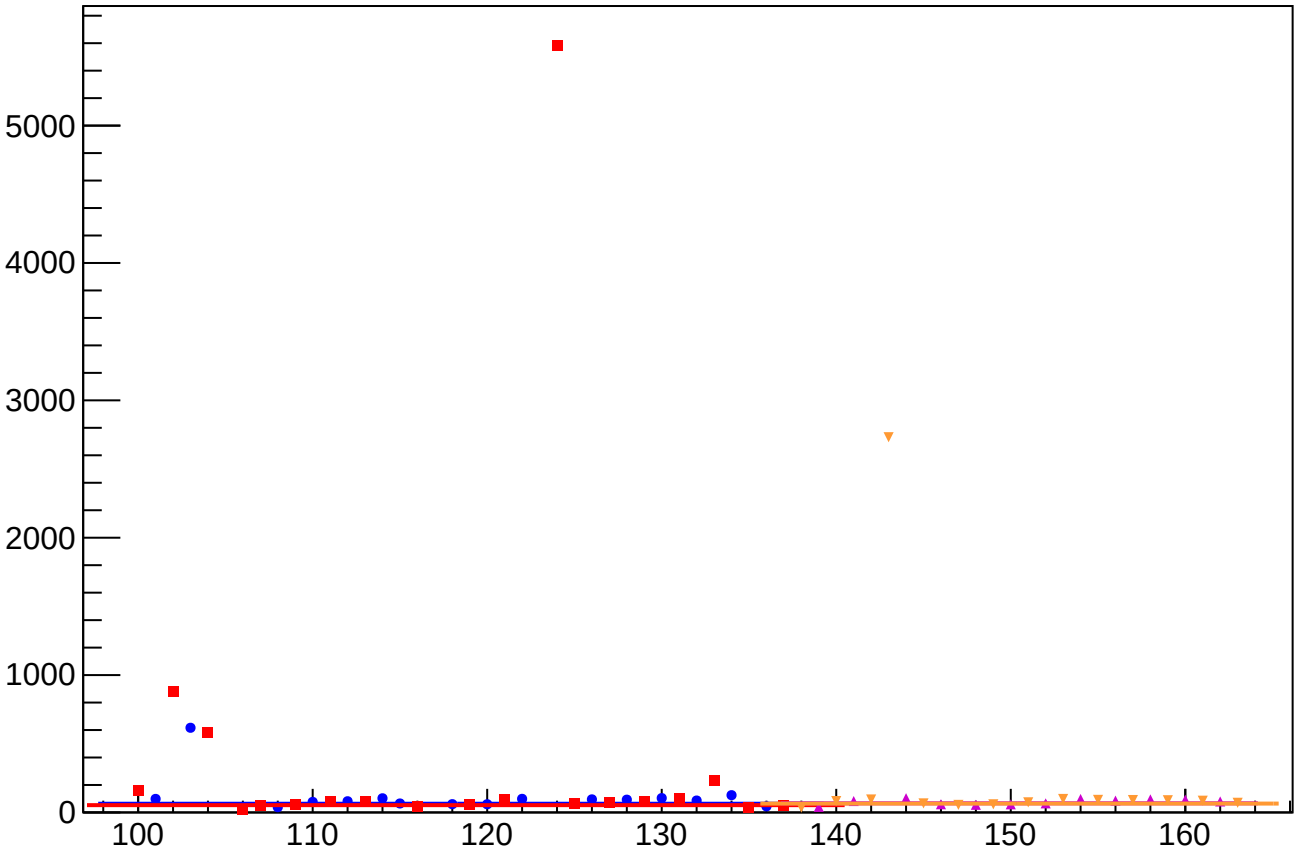
Left: 0.025+/-0.016 χ^2/NDF: 29.2/25

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.017 χ^2/NDF:19.5/27

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.025+/-0.012 χ^2/NDF: 56.4/60



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.586+/-0.016 χ^2/NDF:3379007.2/13

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 66.681+/-0.016 χ^2/NDF:1515176.0/11

Left: 65.604+/-0.011 χ^2/NDF: 4903039.0/25

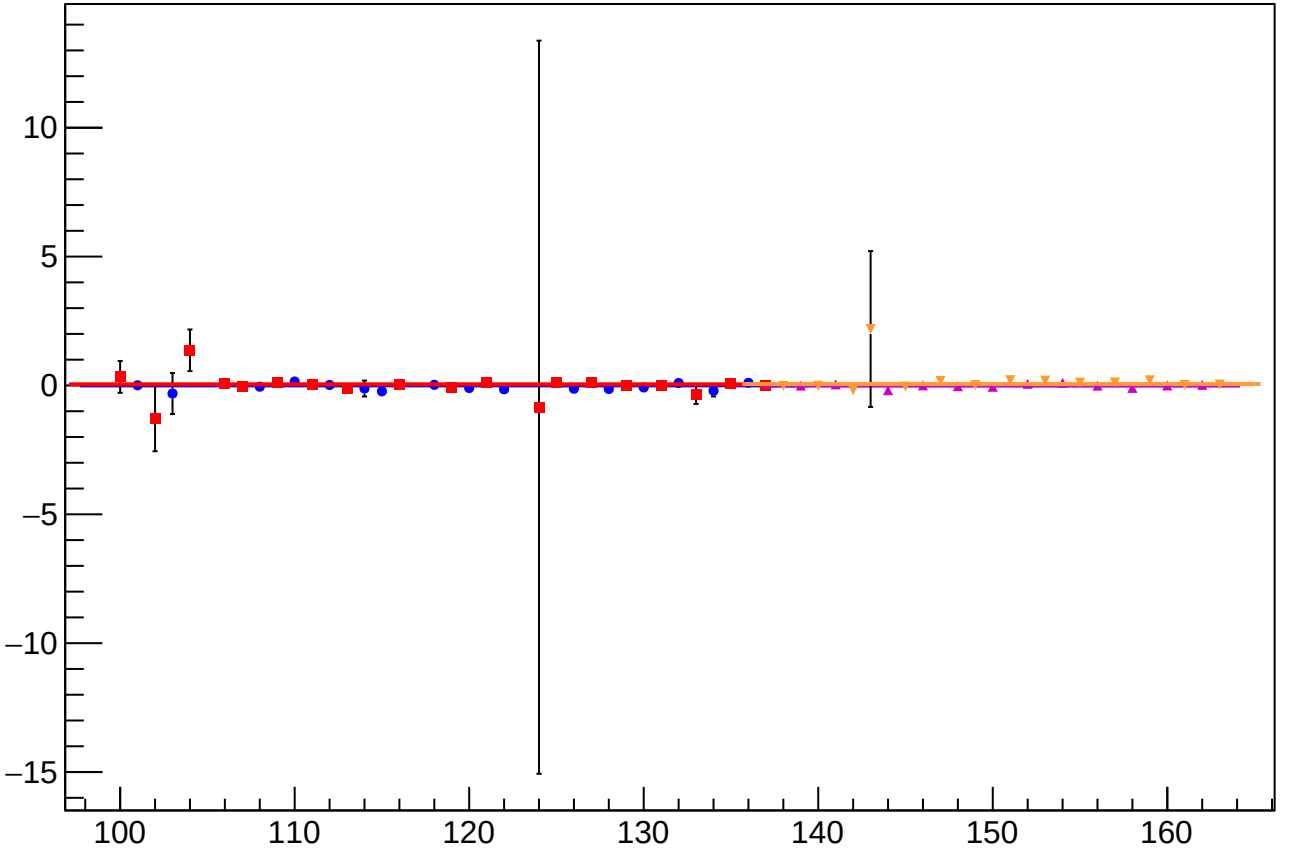
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 65.366+/-0.012 χ^2/NDF:3977090.5/27

Out: 59.596+/-0.012 χ^2/NDF:7560517.5/32

All: 62.323+/-0.008 χ^2/NDF: 11653971.1/60

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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.023 χ^2/NDF:6.1/11

Left: 0.025+/-0.016 χ^2/NDF: 29.2/25

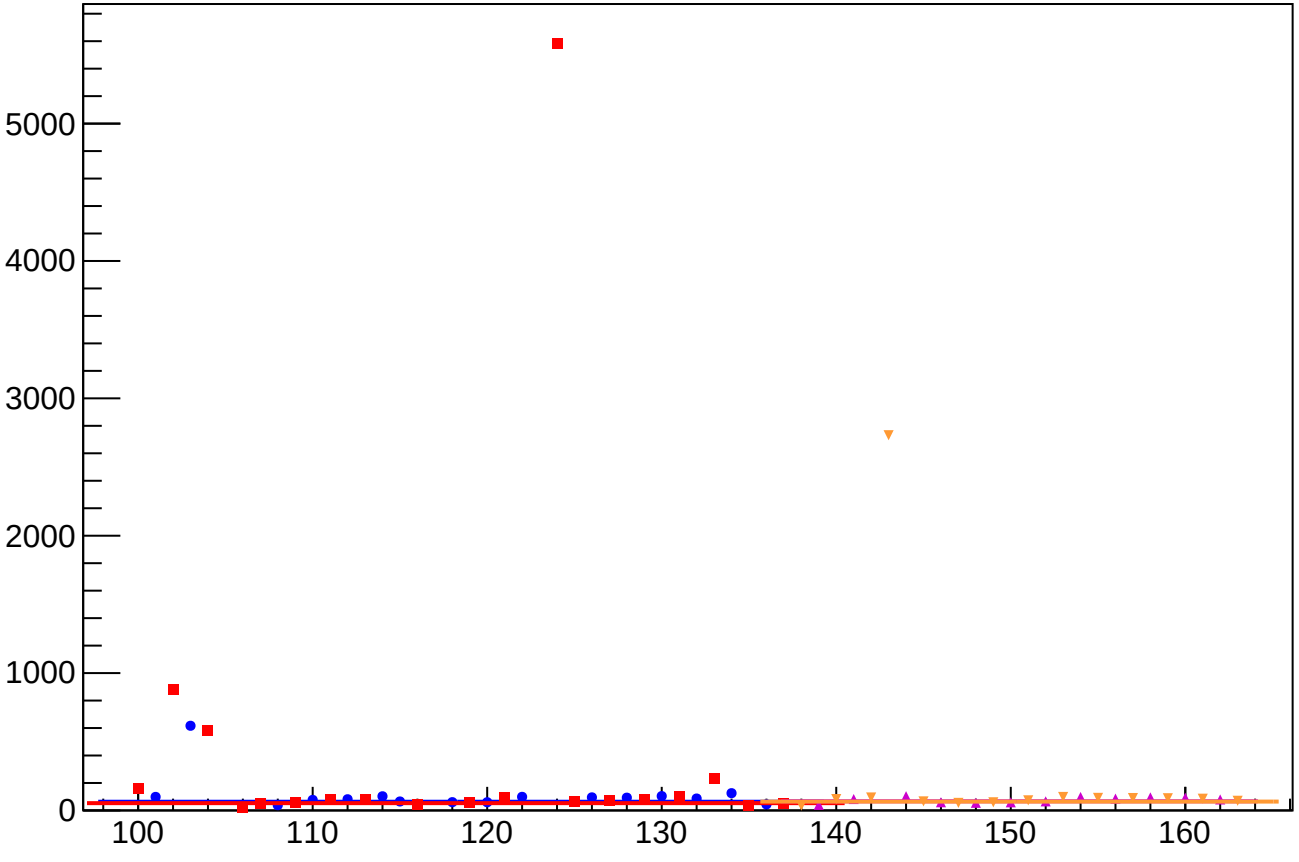
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.017 χ^2/NDF:19.5/27

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.025+/-0.012 χ^2/NDF: 56.4/60

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 64.586+/-0.016 χ^2/NDF:3379007.2/13

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 66.681+/-0.016 χ^2/NDF:1515176.0/11

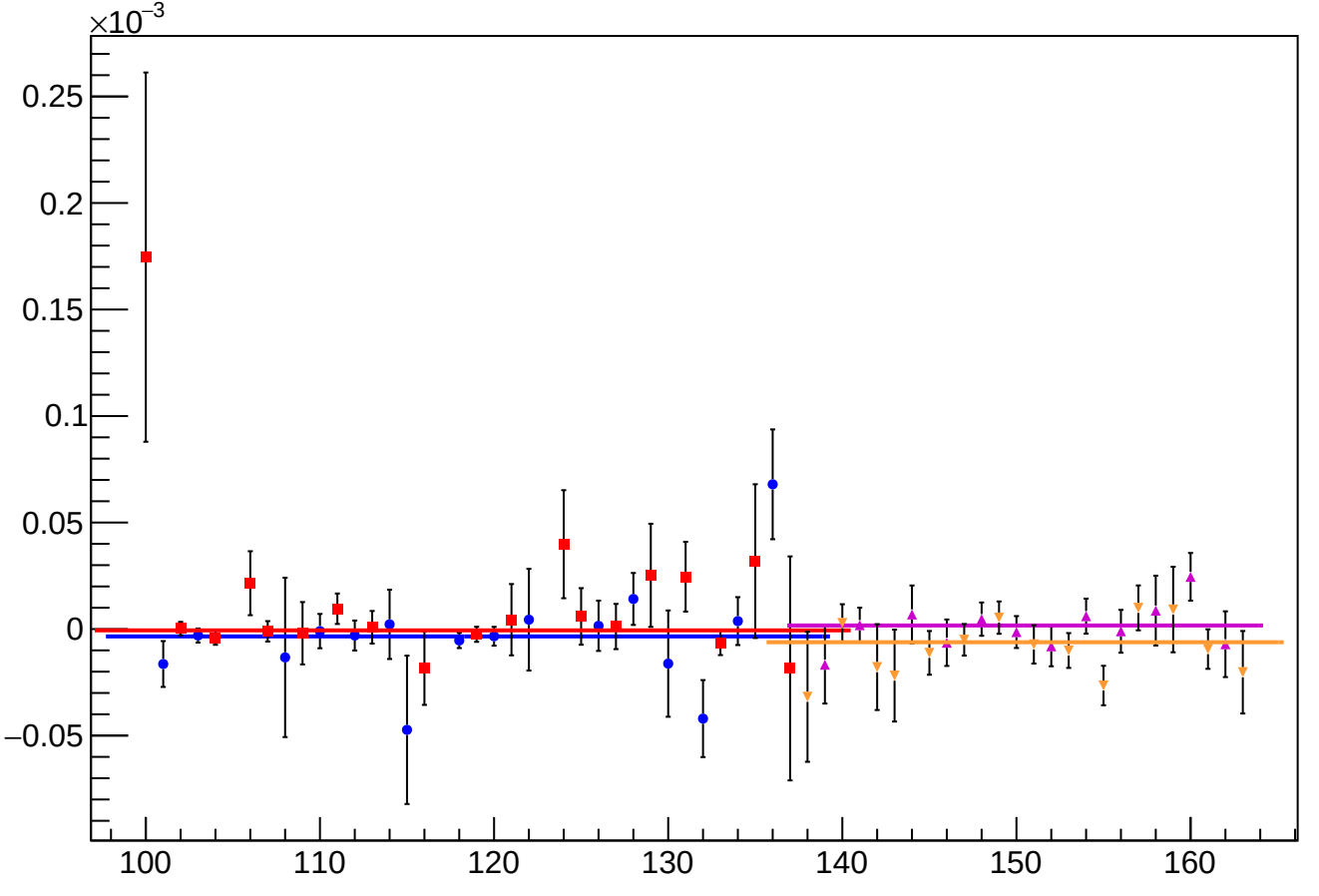
Left: 65.604+/-0.011 χ^2/NDF: 4903039.0/25

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 65.366+/-0.012 χ^2/NDF:3977090.5/27

Out: 59.596+/-0.012 χ^2/NDF:7560517.5/32

All: 62.323+/-0.008 χ^2/NDF: 11653971.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.1/11

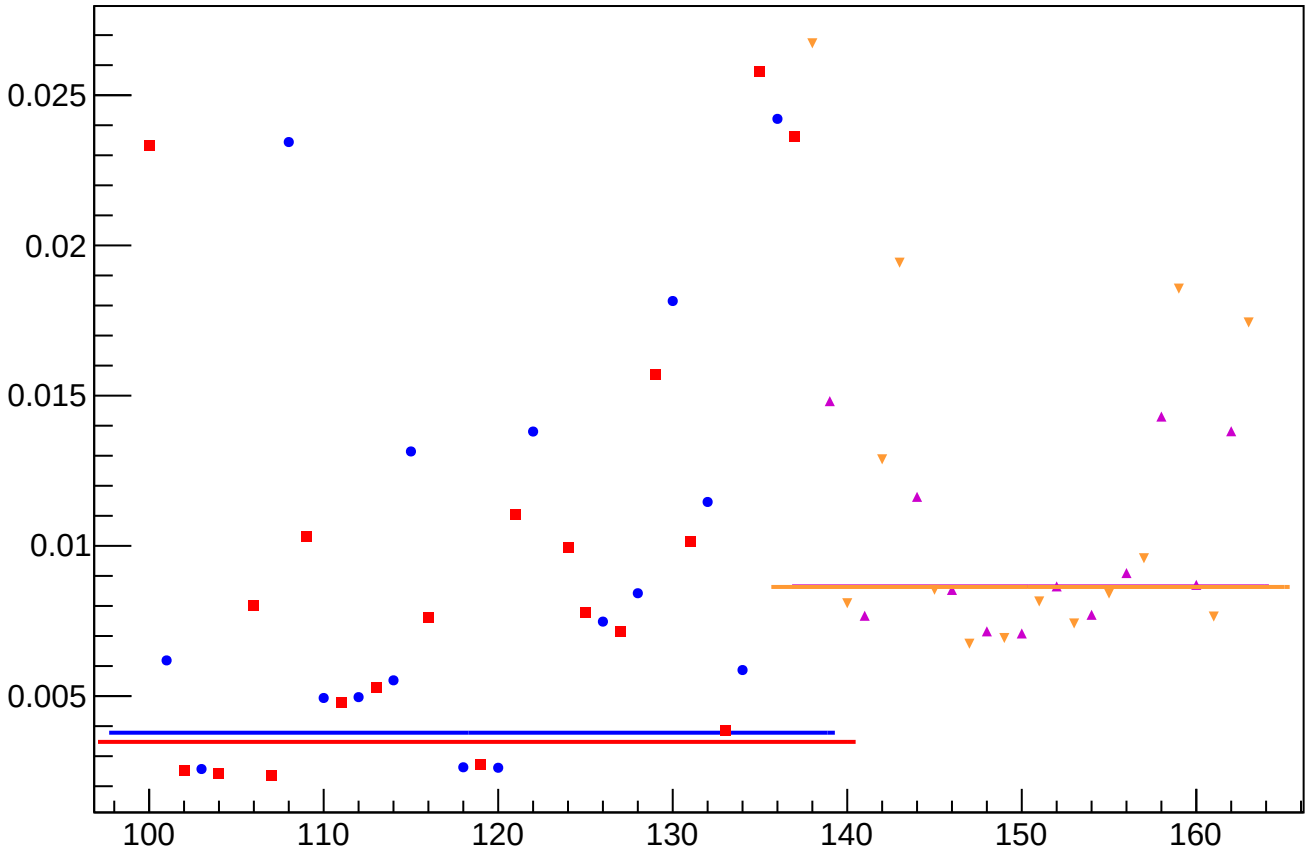
Left: -0.000+/-0.000 χ^2/NDF: 25.7/25

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:29.2/27

Out: -0.000+/-0.000 χ^2/NDF:36.0/32

All: -0.000+/-0.000 χ^2/NDF: 65.3/60



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:2523224.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.009+/-0.000 χ^2/NDF:1005885.6/11

Left: 0.009+/-0.000 χ^2/NDF: 3529159.3/25

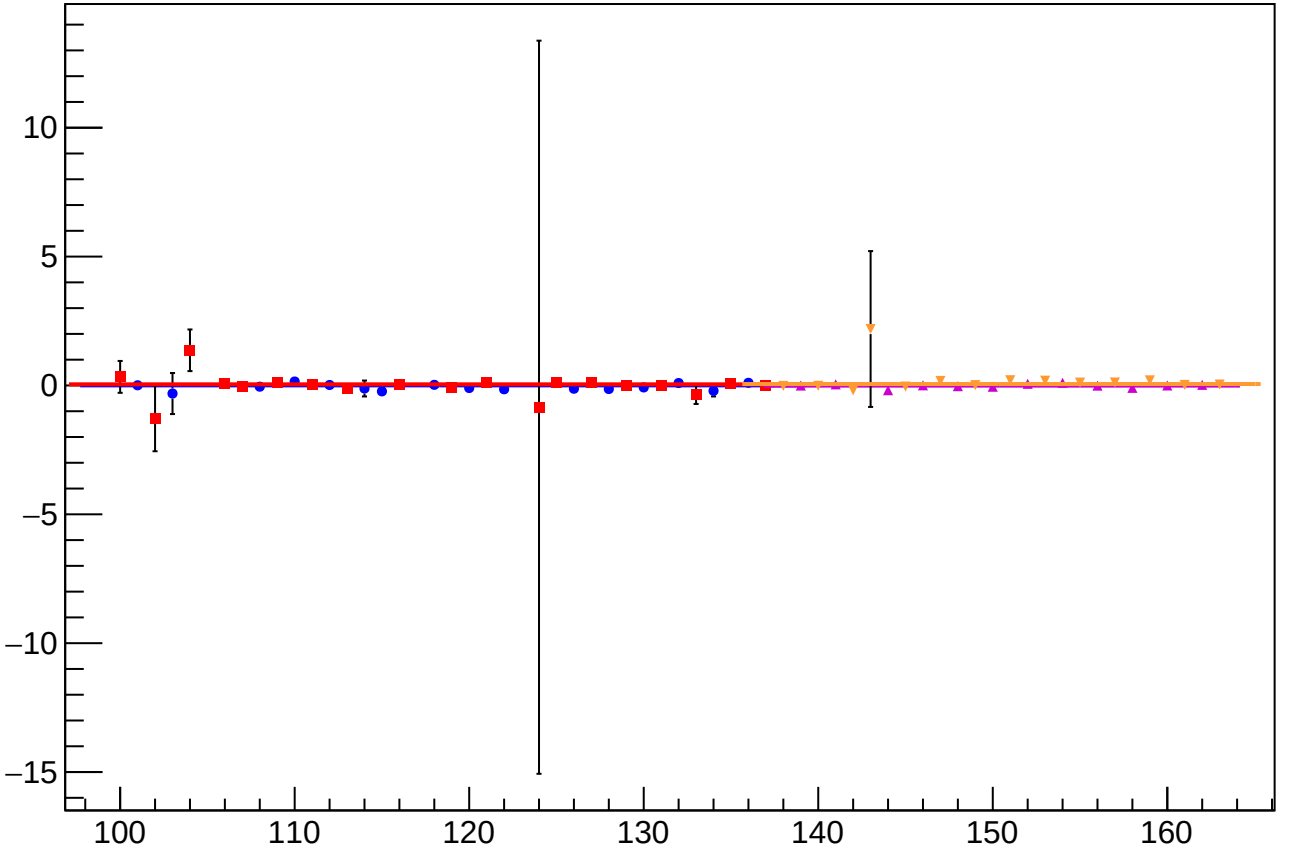
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:9741991.1/27

Out: 0.005+/-0.000 χ^2/NDF:12239755.9/32

All: 0.005+/-0.000 χ^2/NDF: 22087218.1/60

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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.023 χ^2/NDF:6.1/11

Left: 0.025+/-0.016 χ^2/NDF: 29.2/25

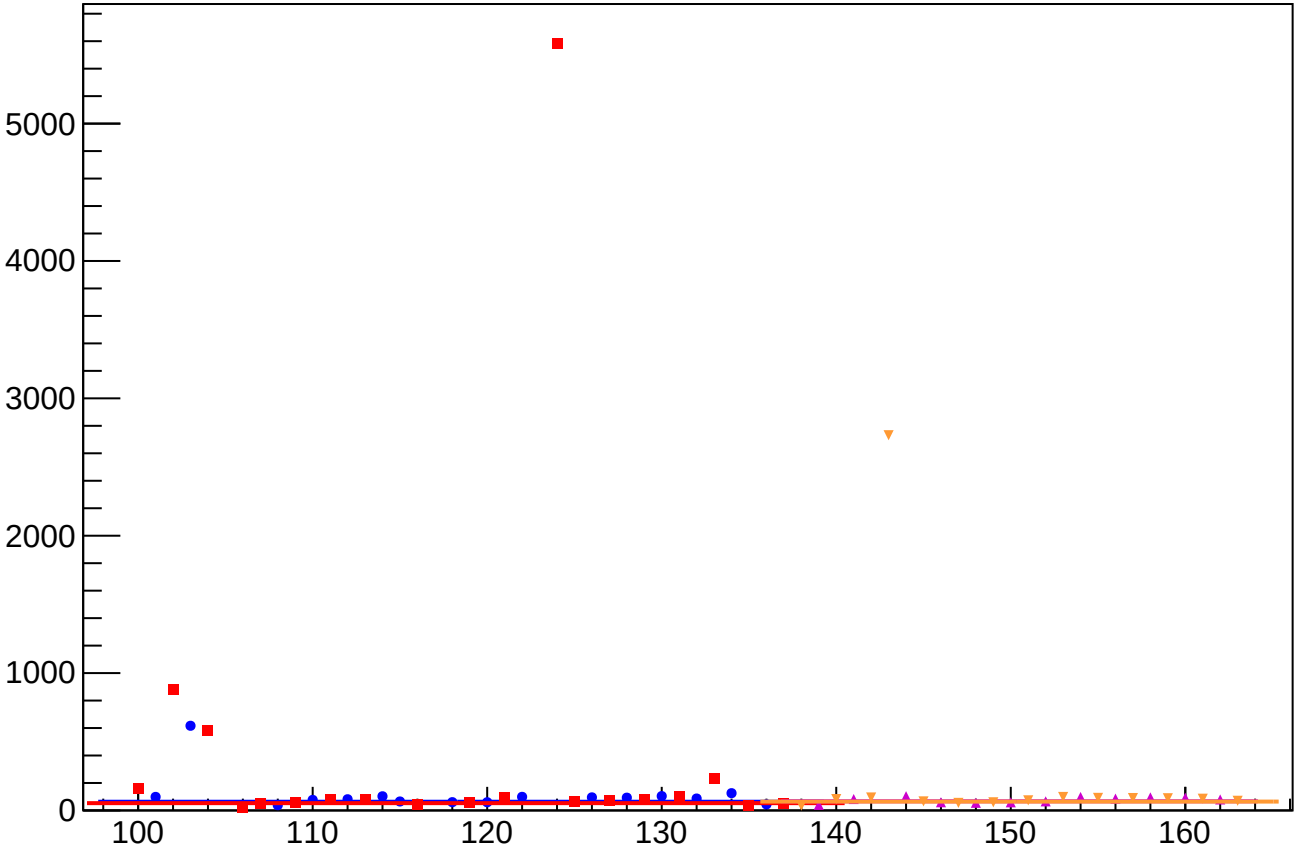
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.017 χ^2/NDF:19.5/27

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.025+/-0.012 χ^2/NDF: 56.4/60

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 64.583+/-0.016 χ^2/NDF:3379029.6/13

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 66.684+/-0.016 χ^2/NDF:1514694.7/11

Left: 65.604+/-0.011 χ^2/NDF: 4902630.9/25

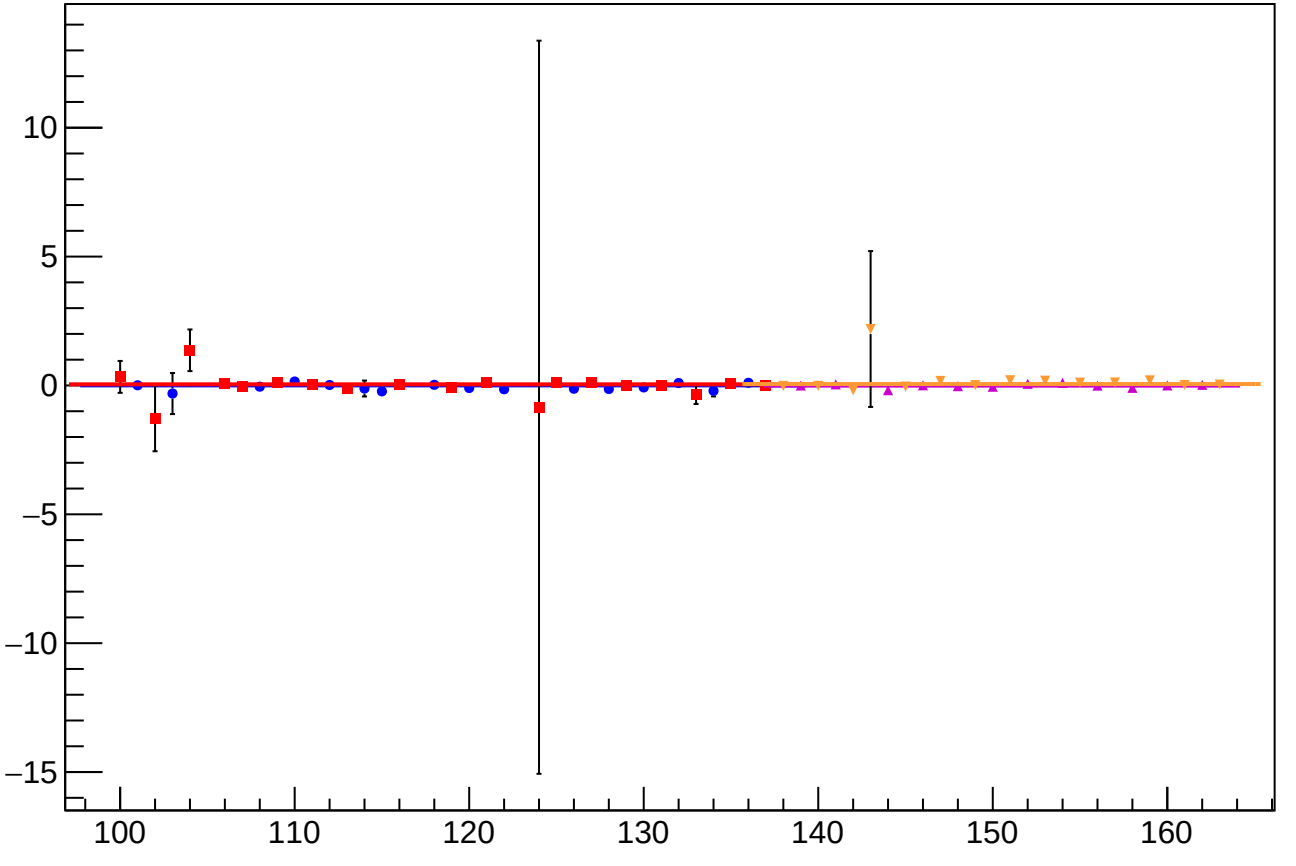
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 65.371+/-0.012 χ^2/NDF:3975646.6/27

Out: 59.591+/-0.012 χ^2/NDF:7561191.2/32

All: 62.323+/-0.008 χ^2/NDF: 11653583.6/60

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: 0.055+/-0.022 χ^2/NDF:19.3/13

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.006+/-0.023 χ^2/NDF:6.1/11

Left: 0.025+/-0.016 χ^2/NDF: 29.2/25

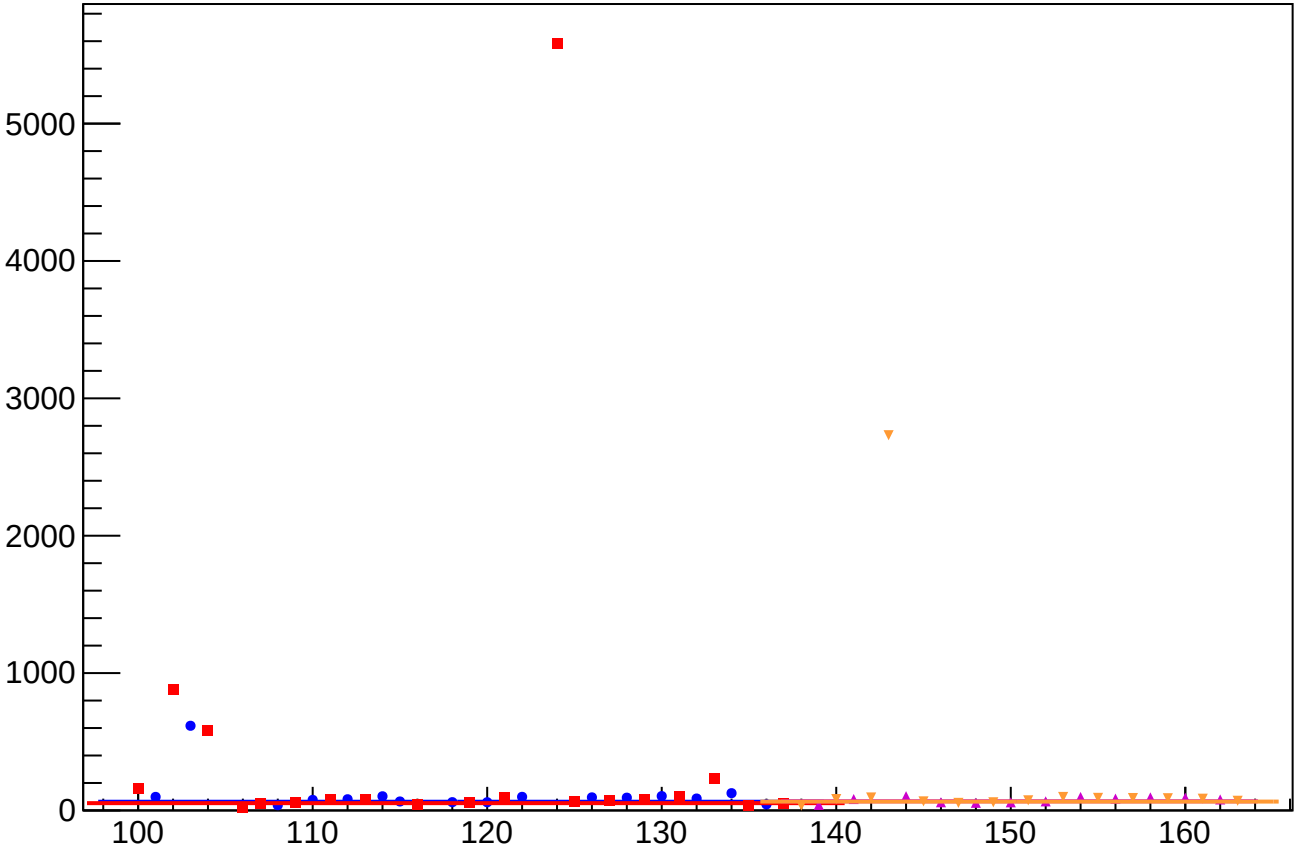
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.002+/-0.017 χ^2/NDF:19.5/27

Out: 0.050+/-0.016 χ^2/NDF:32.1/32

All: 0.025+/-0.012 χ^2/NDF: 56.4/60

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: 64.583+/-0.016 χ^2/NDF:3379029.6/13

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 66.684+/-0.016 χ^2/NDF:1514694.7/11

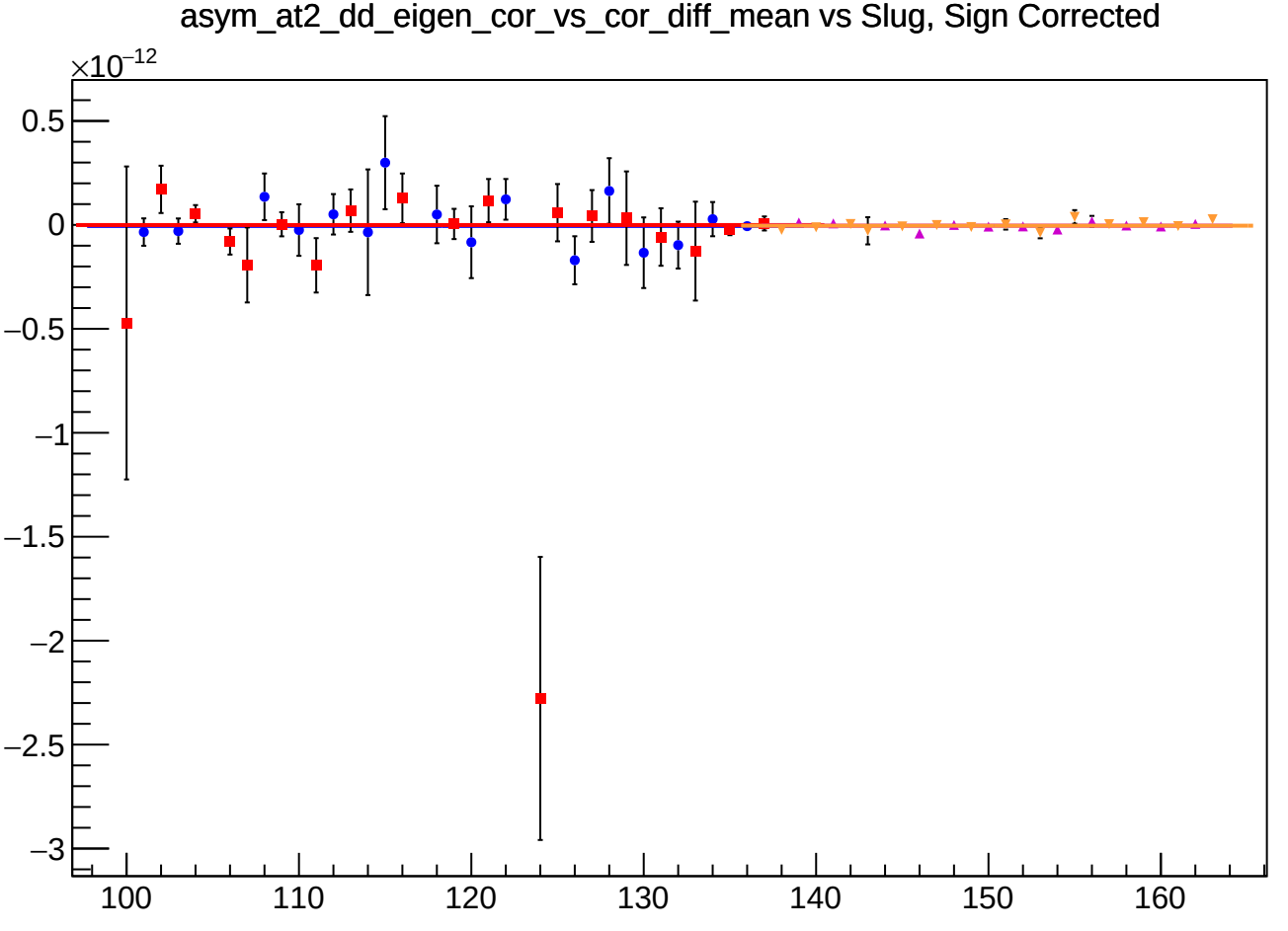
Left: 65.604+/-0.011 χ^2/NDF: 4902630.9/25

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 65.371+/-0.012 χ^2/NDF:3975646.6/27

Out: 59.591+/-0.012 χ^2/NDF:7561191.2/32

All: 62.323+/-0.008 χ^2/NDF: 11653583.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:8.8/11

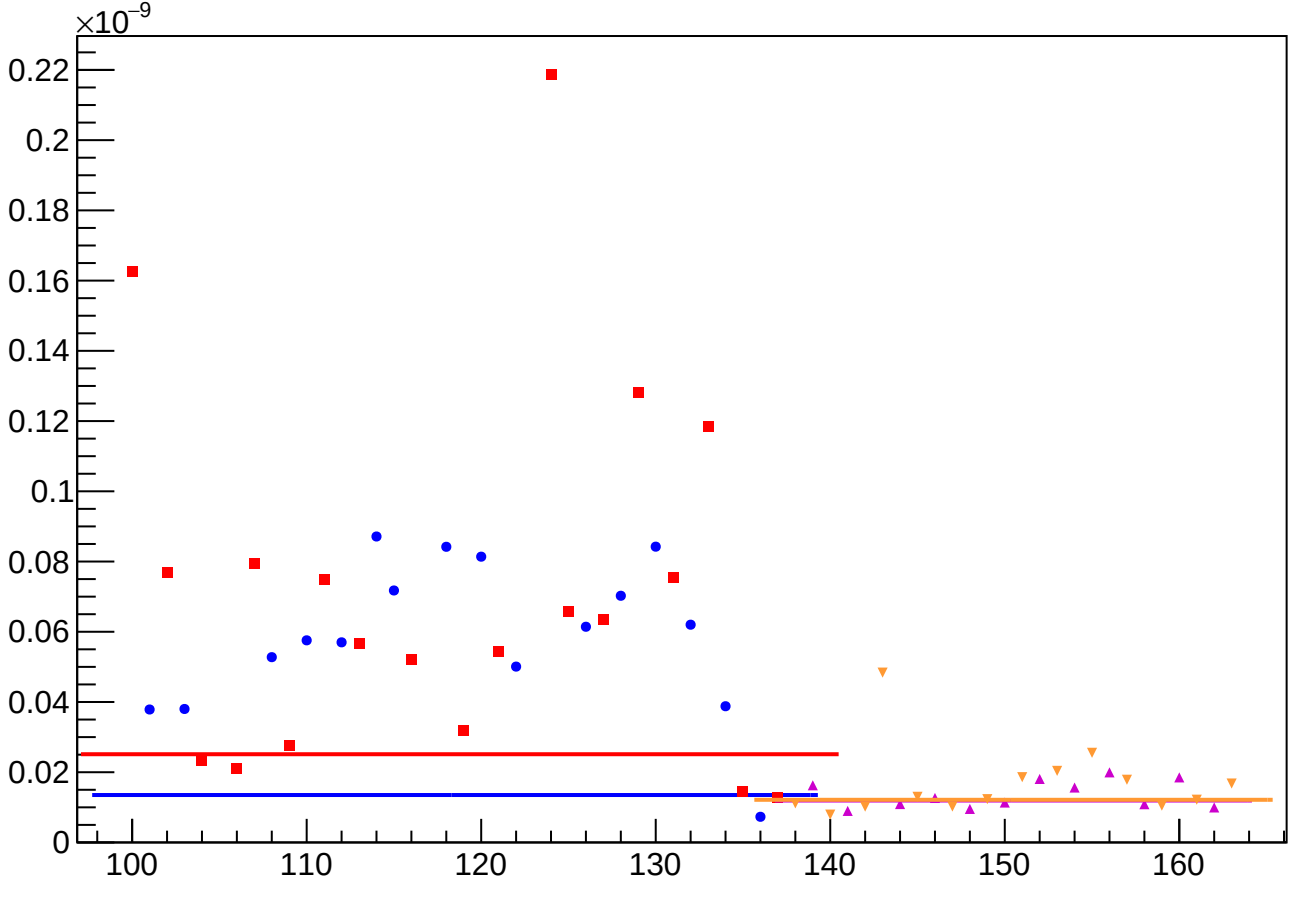
Left: -0.000+/-0.000 χ^2/NDF: 18.4/25

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:19.6/27

Out: -0.000+/-0.000 χ^2/NDF:34.7/32

All: -0.000+/-0.000 χ^2/NDF: 54.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1910286.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:883964.8/11

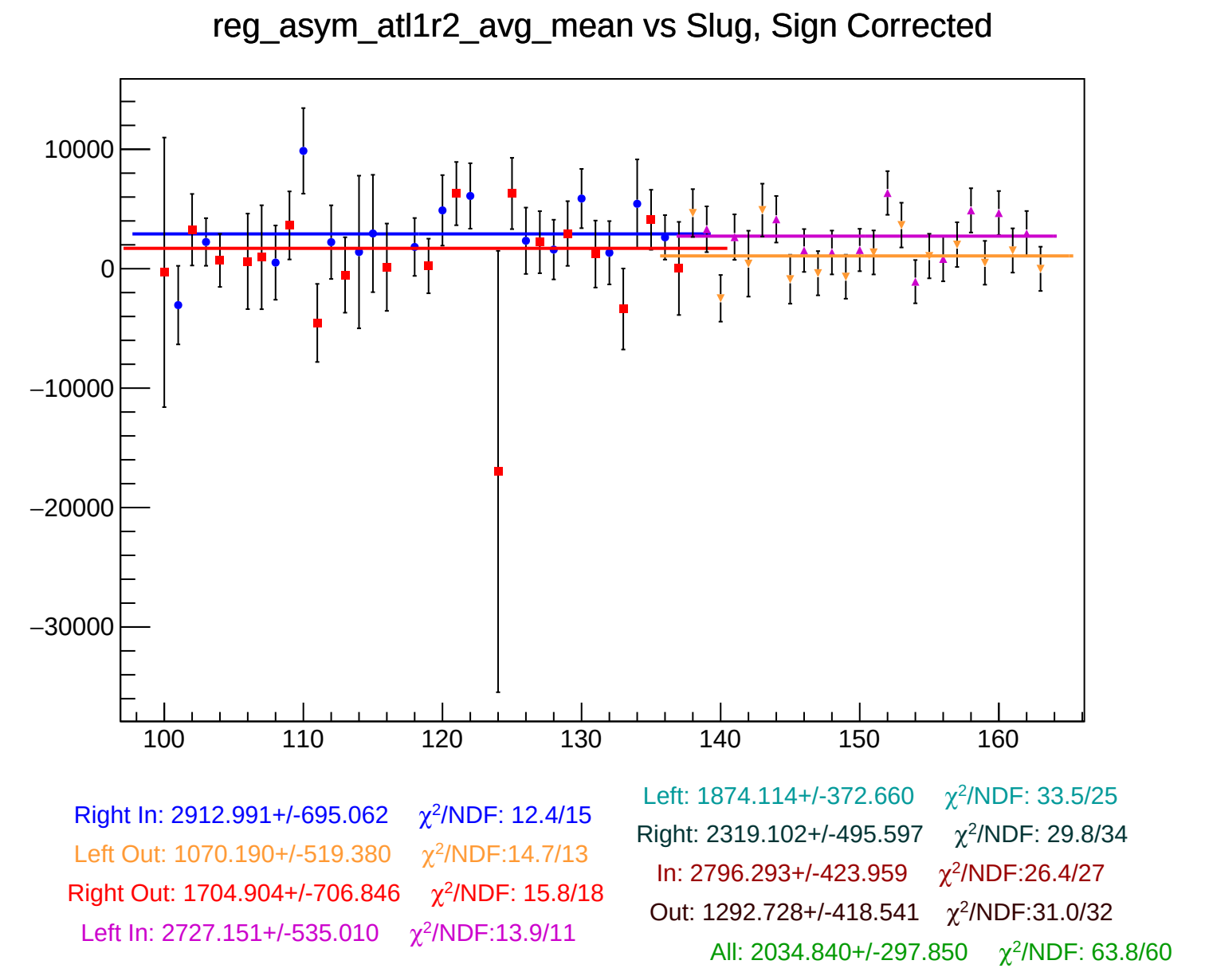
Left: 0.000+/-0.000 χ^2/NDF: 2796268.8/25

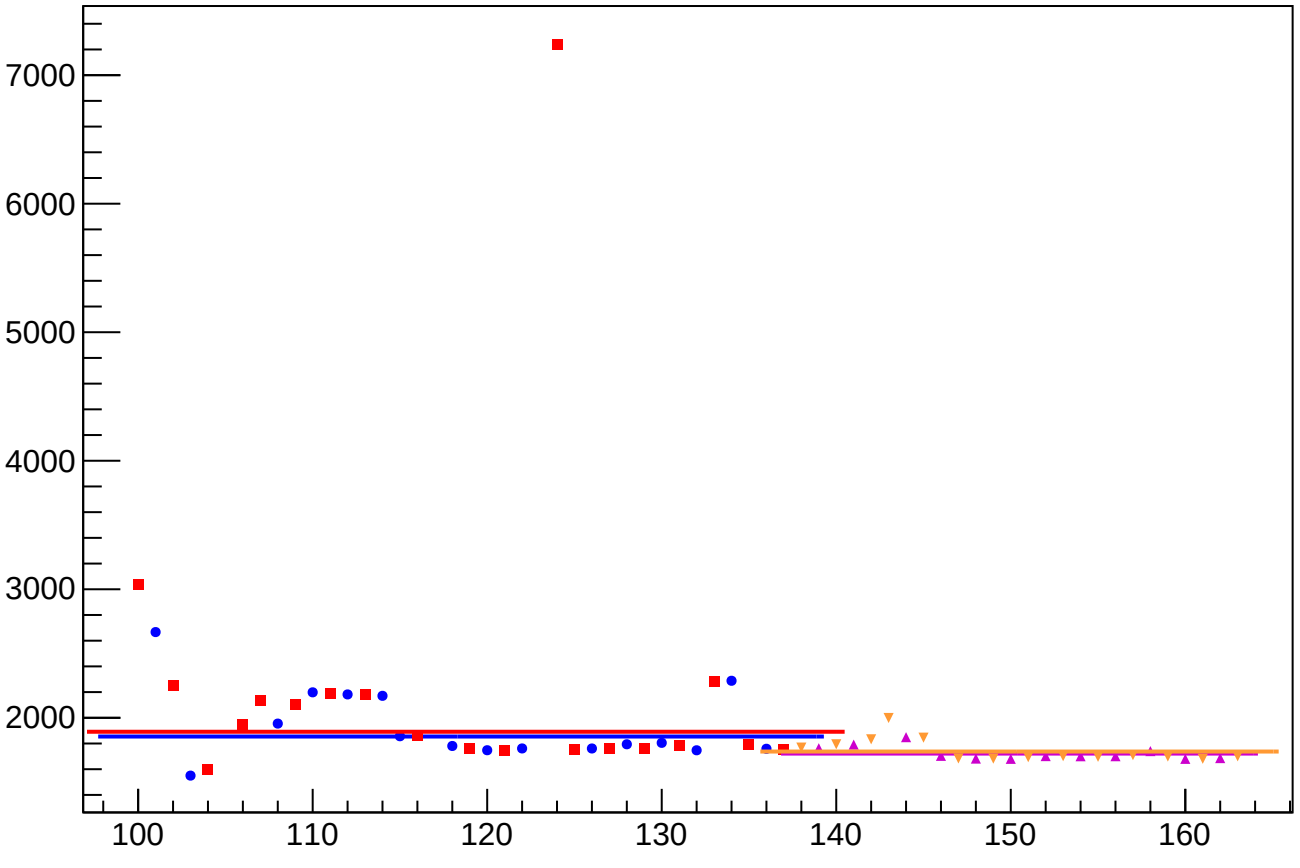
Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5916098.0/27

Out: 0.000+/-0.000 χ^2/NDF:6844721.9/32

All: 0.000+/-0.000 χ^2/NDF: 12822212.2/60


reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: 2912.991+/-695.062 χ²/NDF: 12.4/15
Left Out: 1070.190+/-519.380 χ²/NDF:14.7/13
Right Out: 1704.904+/-706.846 χ²/NDF: 15.8/18
Left In: 2727.151+/-535.010 χ²/NDF:13.9/11
Left: 1874.114+/-372.660 χ²/NDF: 33.5/25
Right: 2319.102+/-495.597 χ²/NDF: 29.8/34
In: 2796.293+/-423.959 χ²/NDF:26.4/27
Out: 1292.728+/-418.541 χ²/NDF:31.0/32
All: 2034.840+/-297.850 χ²/NDF: 63.8/60



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1721.615+/-0.378 χ^2/NDF:17016.6/11

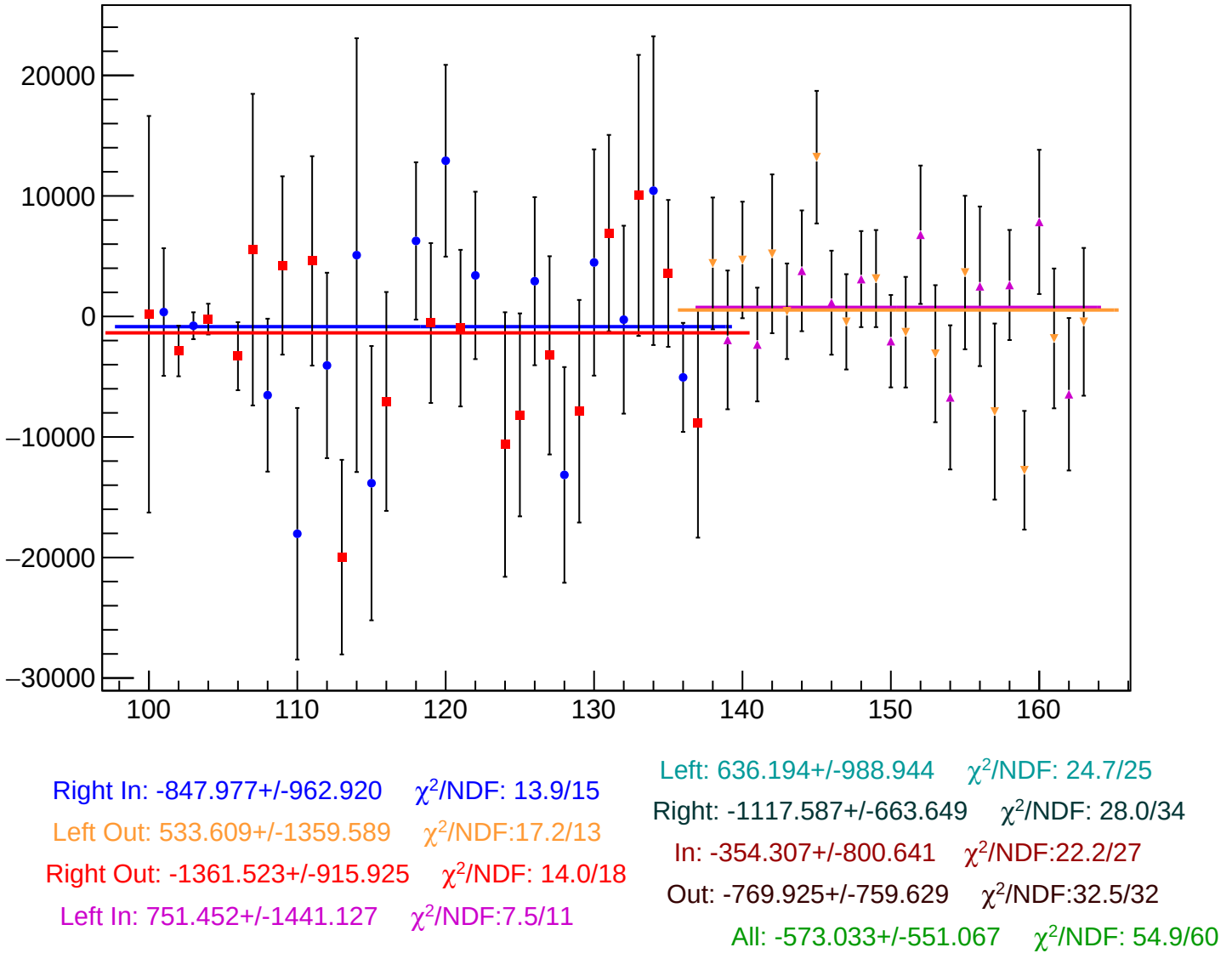
Left: 1729.779+/-0.264 χ^2/NDF: 66216.6/25

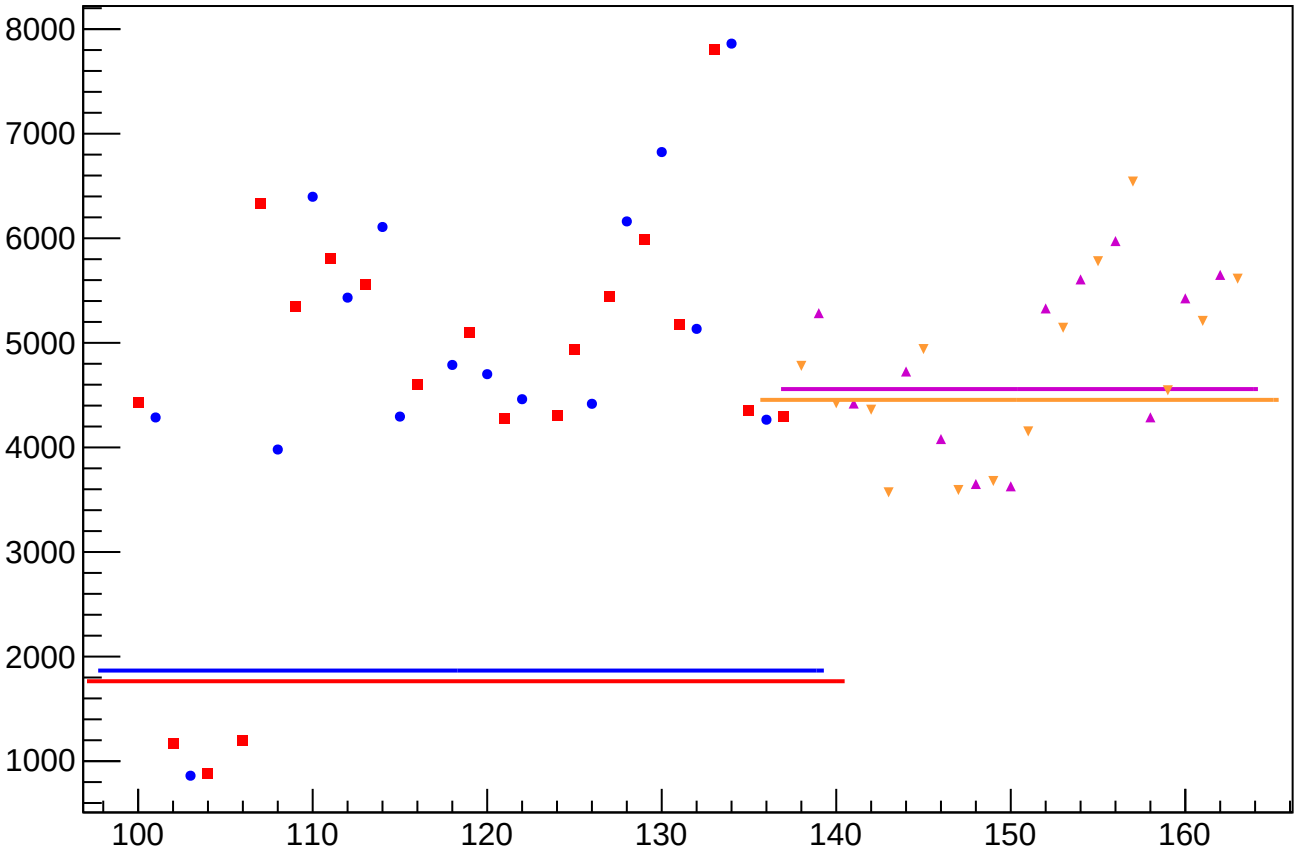
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1770.986+/-0.300 χ^2/NDF:326115.5/27

Out: 1791.628+/-0.296 χ^2/NDF:474178.3/32

All: 1781.448+/-0.211 χ^2/NDF: 802697.0/60


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 533.609+/-1359.589 χ²/NDF:17.2/13
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 751.452+/-1441.127 χ²/NDF:7.5/11
Left: 636.194+/-988.944 χ²/NDF: 24.7/25
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -354.307+/-800.641 χ²/NDF:22.2/27
Out: -769.925+/-759.629 χ²/NDF:32.5/32
All: -573.033+/-551.067 χ²/NDF: 54.9/60



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4454.835+/-0.961 χ^2/NDF:686087.6/13

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4558.040+/-1.019 χ^2/NDF:579194.2/11

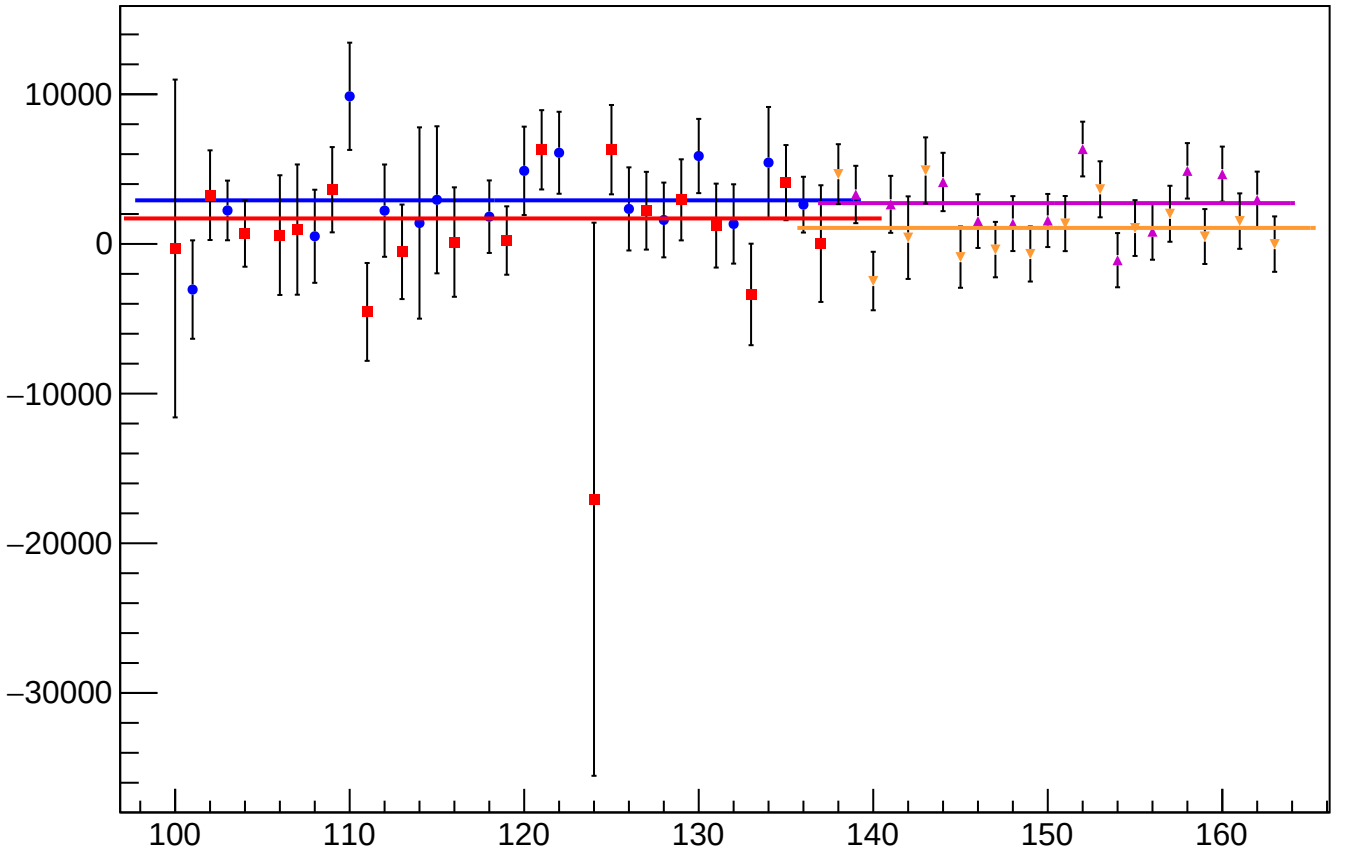
Left: 4503.435+/-0.699 χ^2/NDF: 1270708.7/25

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2697.188+/-0.566 χ^2/NDF:12252237.0/27

Out: 2604.184+/-0.537 χ^2/NDF:12508314.8/32

All: 2648.243+/-0.390 χ^2/NDF: 24774754.4/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2727.229+/-535.010 χ^2/NDF:13.9/11

Left: 1874.060+/-372.660 χ^2/NDF: 33.5/25

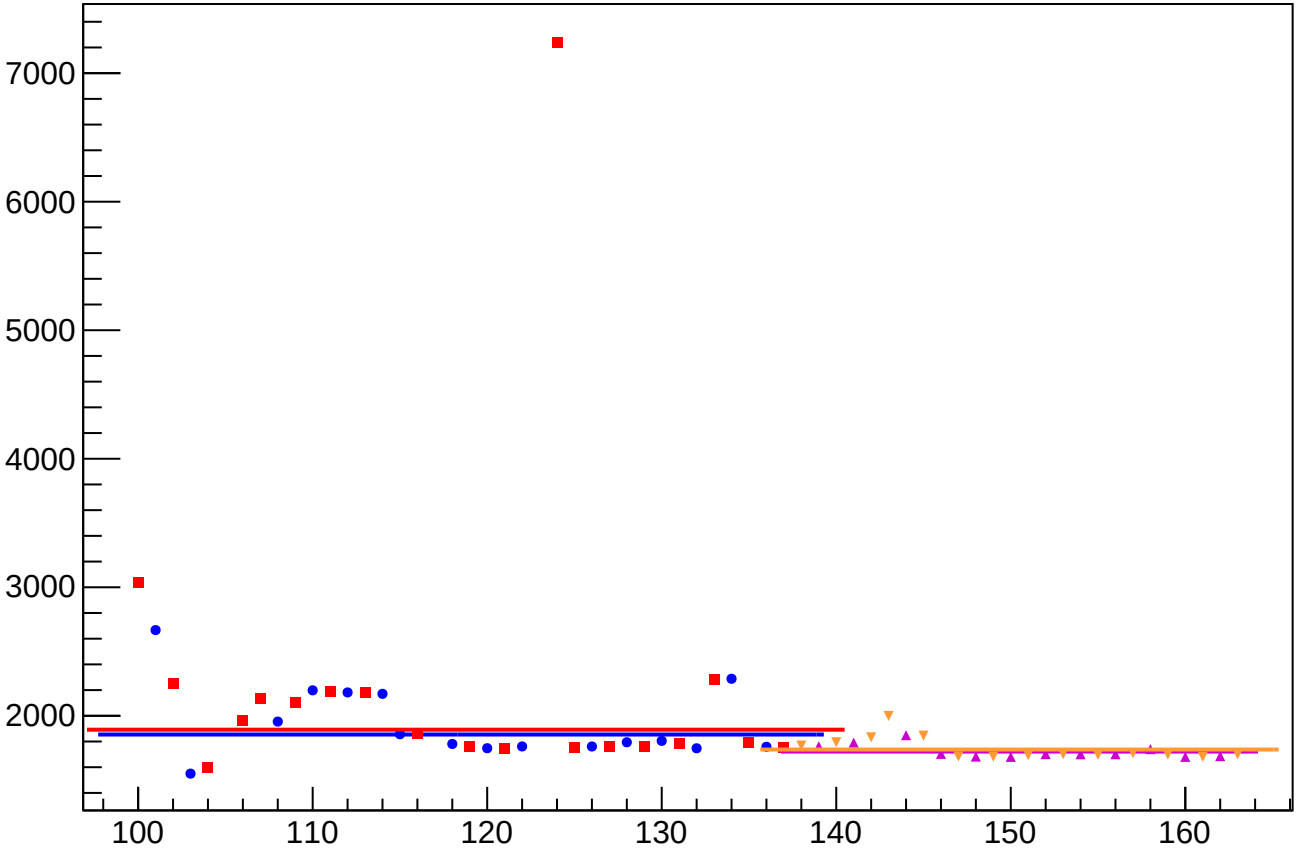
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2796.379+/-423.959 χ^2/NDF:26.4/27

Out: 1292.127+/-418.541 χ^2/NDF:31.0/32

All: 2034.579+/-297.850 χ^2/NDF: 63.8/60

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1721.615+/-0.378 χ^2/NDF:17016.6/11

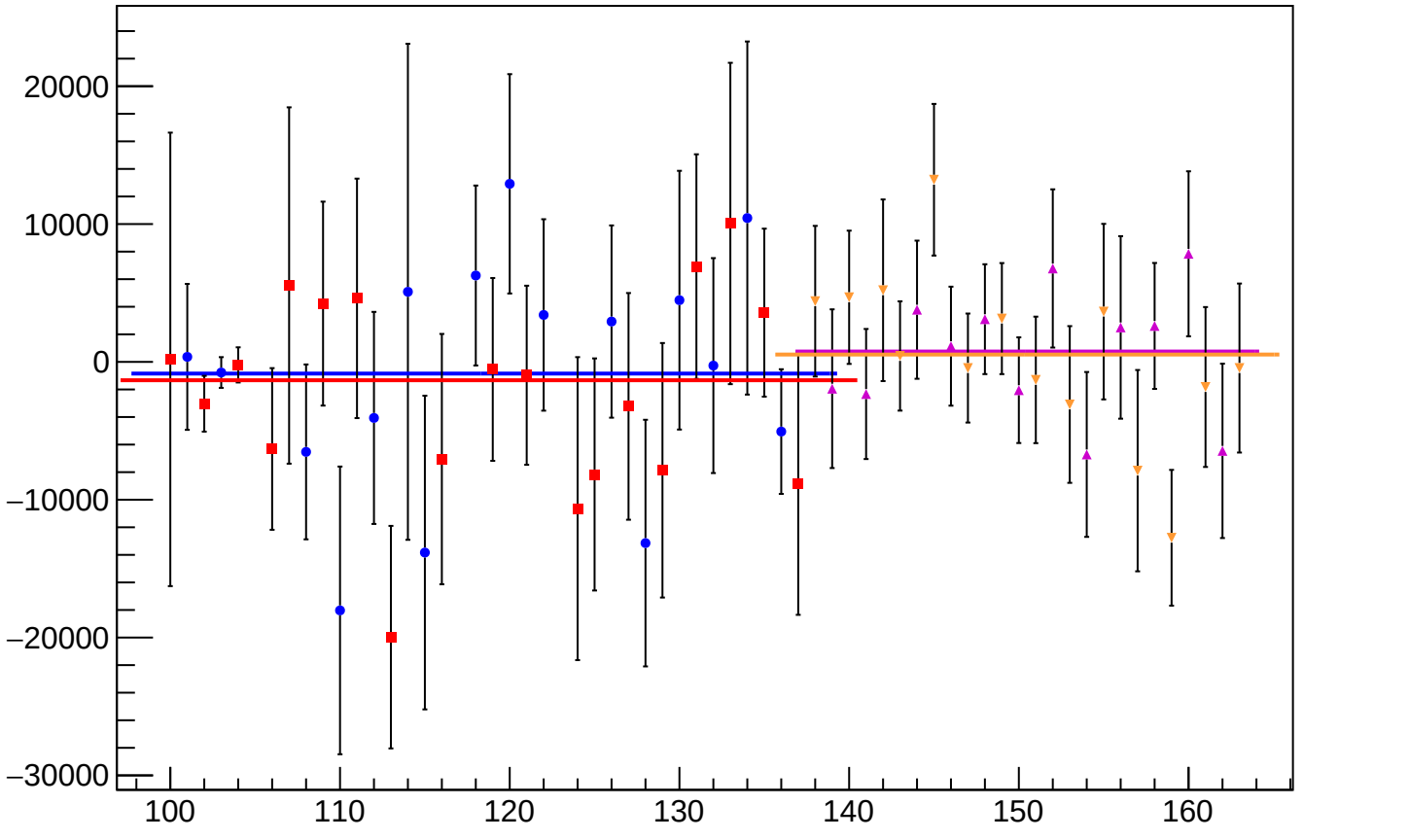
Left: 1729.779+/-0.264 χ^2/NDF: 66216.6/25

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1770.986+/-0.300 χ^2/NDF:326115.4/27

Out: 1791.773+/-0.296 χ^2/NDF:474770.2/32

All: 1781.521+/-0.211 χ^2/NDF: 803322.5/60



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 533.564+/-1359.588 χ^2/NDF:17.2/13

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 751.571+/-1441.127 χ^2/NDF:7.5/11

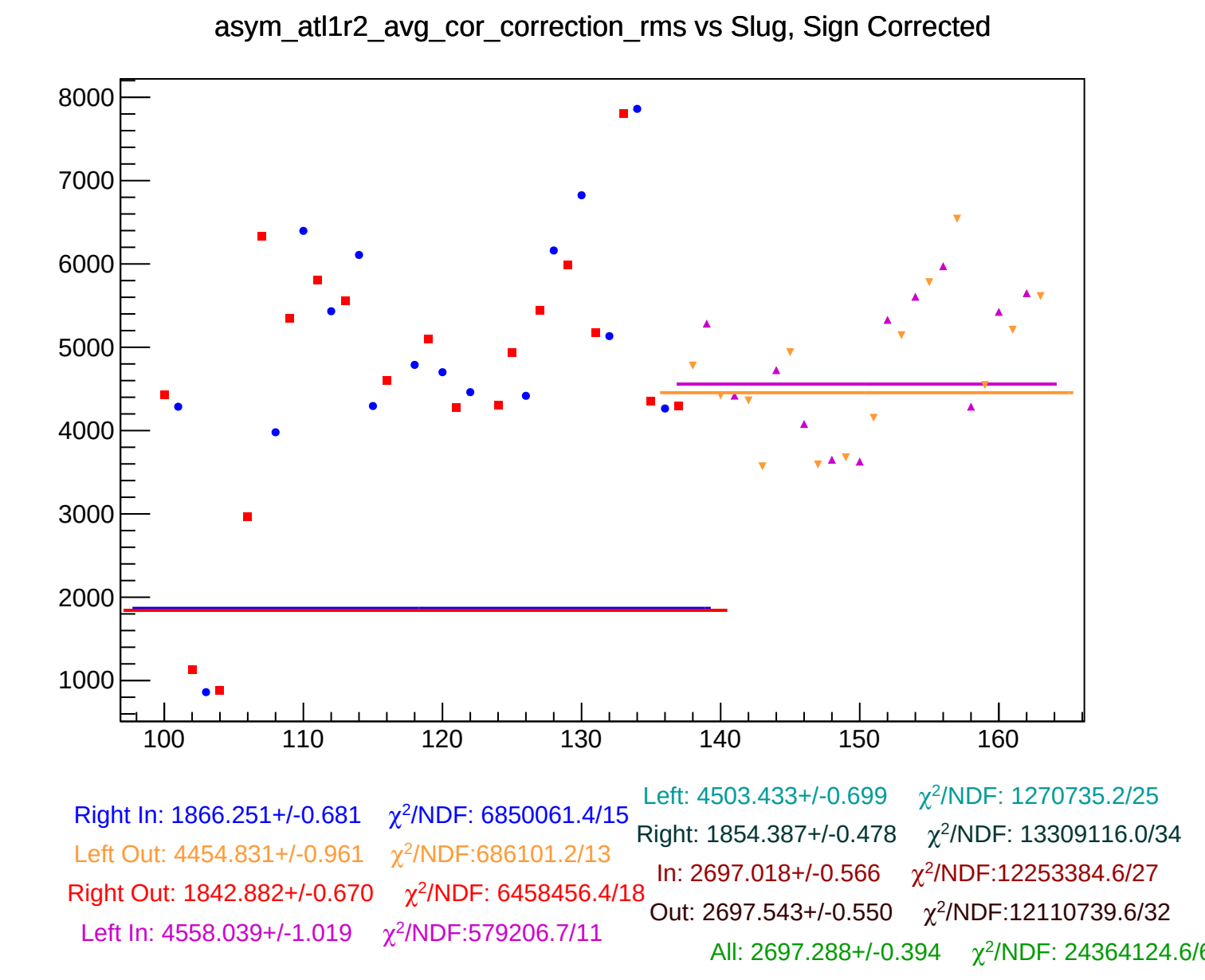
Left: 636.226+/-988.944 χ^2/NDF: 24.7/25

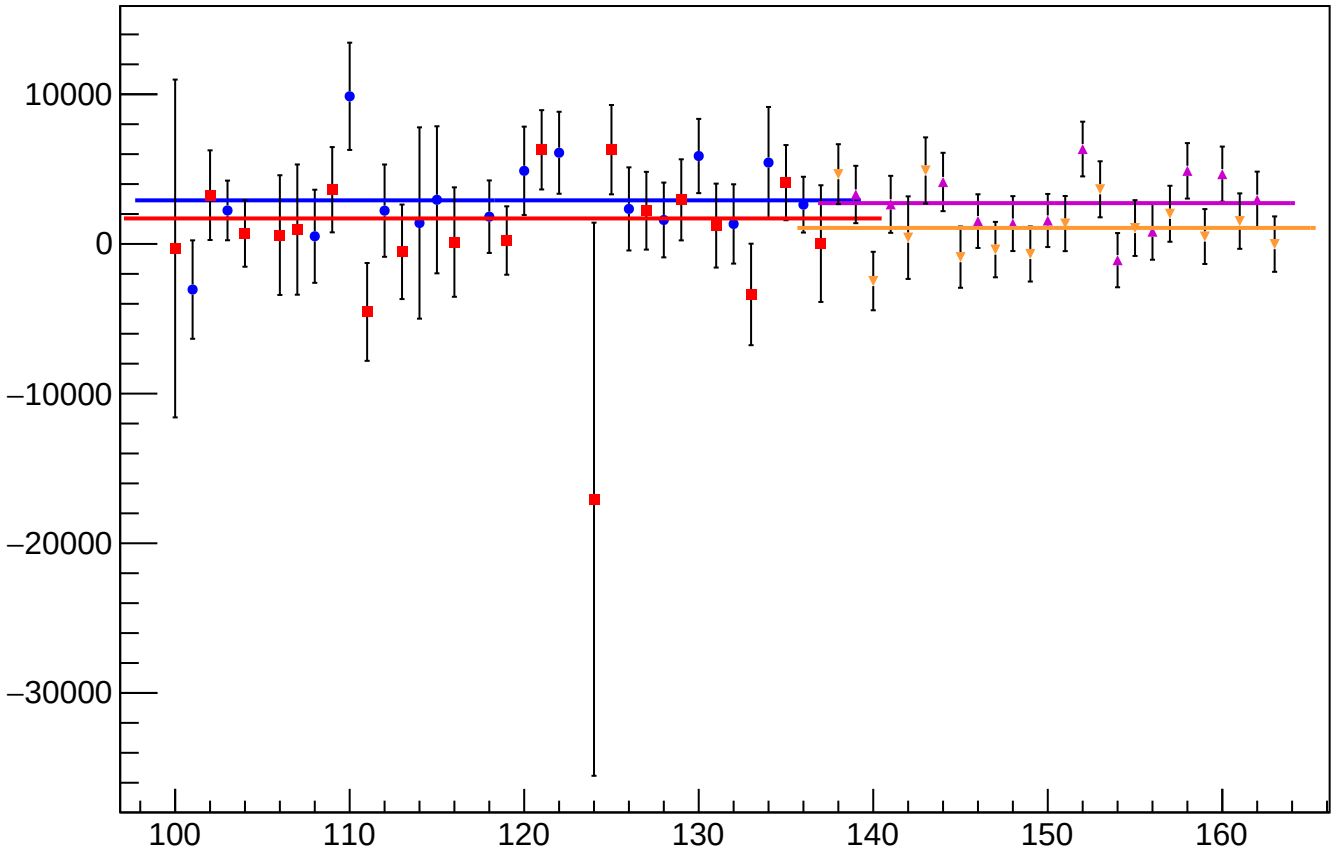
Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -353.981+/-800.611 χ^2/NDF:22.2/27

Out: -721.142+/-777.718 χ^2/NDF:32.8/32

All: -542.886+/-557.847 χ^2/NDF: 55.2/60


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 1866.251+/-0.681 χ²/NDF: 6850061.4/15
Left Out: 4454.831+/-0.961 χ²/NDF:686101.2/13
Right Out: 1842.882+/-0.670 χ²/NDF: 6458456.4/18
Left In: 4558.039+/-1.019 χ²/NDF:579206.7/11
Left: 4503.433+/-0.699 χ²/NDF: 1270735.2/25
Right: 1854.387+/-0.478 χ²/NDF: 13309116.0/34
In: 2697.018+/-0.566 χ²/NDF:12253384.6/27
Out: 2697.543+/-0.550 χ²/NDF:12110739.6/32
All: 2697.288+/-0.394 χ²/NDF: 24364124.6/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1070.012+/-519.380 χ^2/NDF:14.7/13

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2727.229+/-535.010 χ^2/NDF:13.9/11

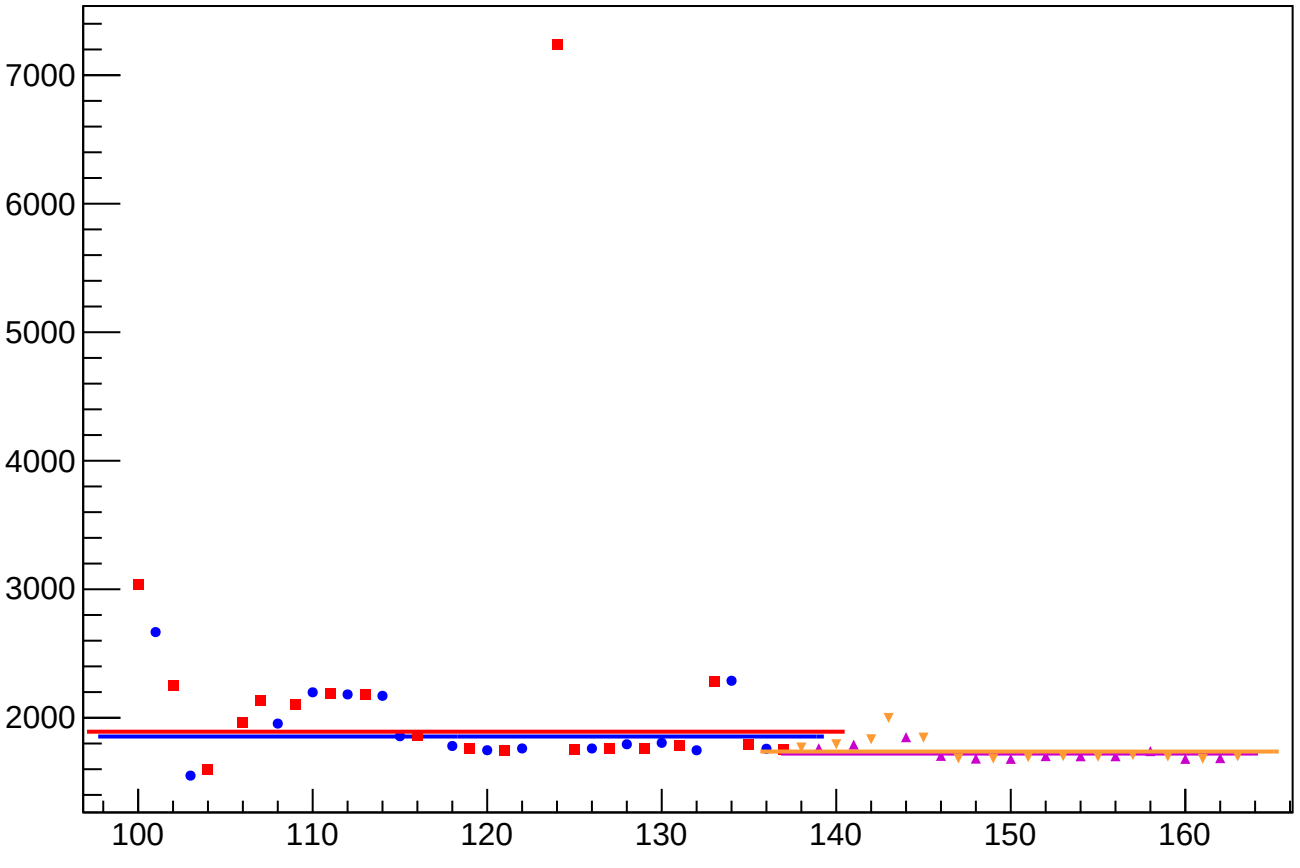
Left: 1874.060+/-372.660 χ^2/NDF: 33.5/25

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2796.379+/-423.959 χ^2/NDF:26.4/27

Out: 1292.127+/-418.541 χ^2/NDF:31.0/32

All: 2034.579+/-297.850 χ^2/NDF: 63.8/60



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1737.472+/-0.367 χ^2/NDF:48295.5/13

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1721.615+/-0.378 χ^2/NDF:17016.6/11

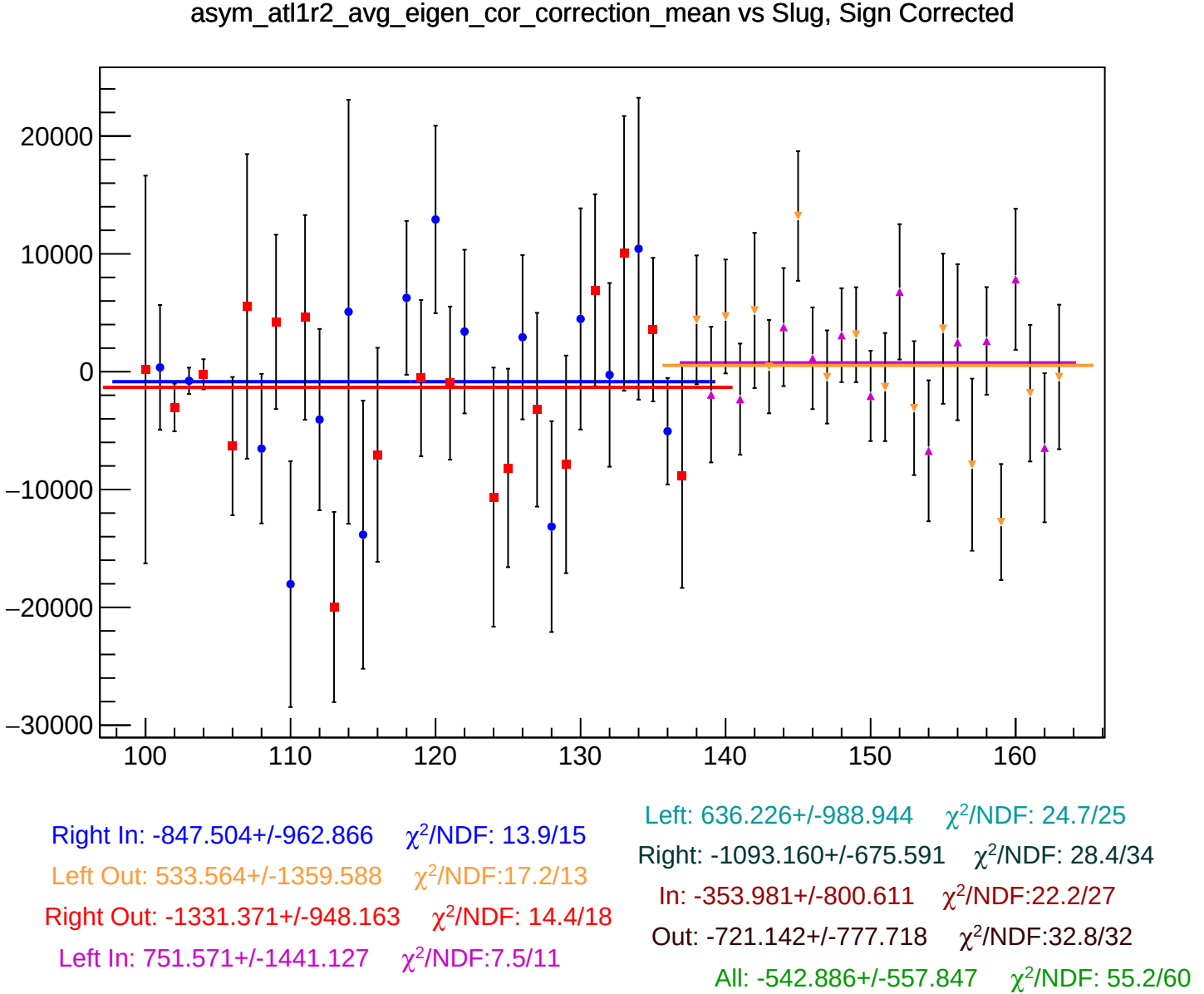
Left: 1729.779+/-0.264 χ^2/NDF: 66216.6/25

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

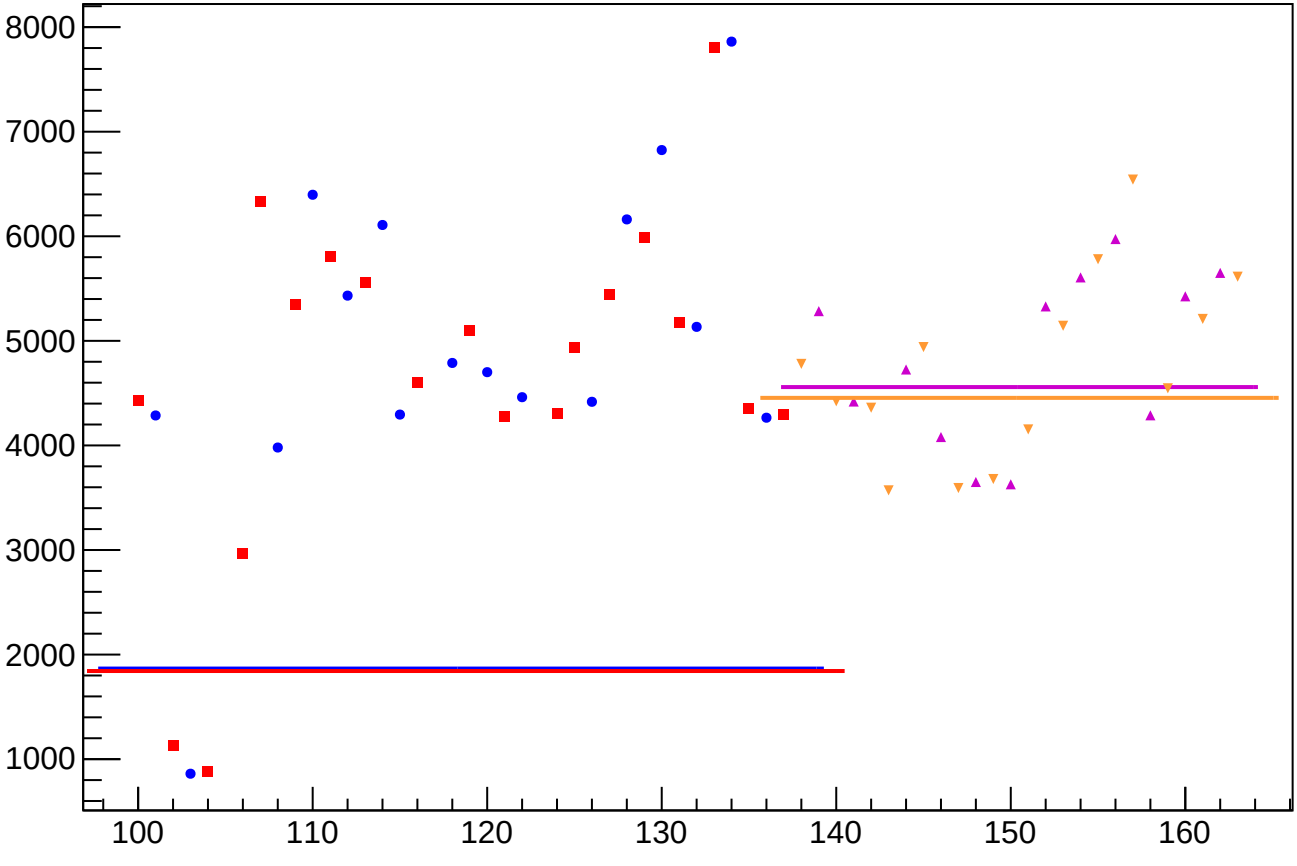
In: 1770.986+/-0.300 χ^2/NDF:326115.4/27

Out: 1791.773+/-0.296 χ^2/NDF:474770.2/32

All: 1781.521+/-0.211 χ^2/NDF: 803322.5/60


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 533.564+/-1359.588 χ²/NDF:17.2/13
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 751.571+/-1441.127 χ²/NDF:7.5/11
Left: 636.226+/-988.944 χ²/NDF: 24.7/25
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -353.981+/-800.611 χ²/NDF:22.2/27
Out: -721.142+/-777.718 χ²/NDF:32.8/32
All: -542.886+/-557.847 χ²/NDF: 55.2/60

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: 4454.831+/-0.961 χ^2/NDF:686101.2/13

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4558.039+/-1.019 χ^2/NDF:579206.7/11

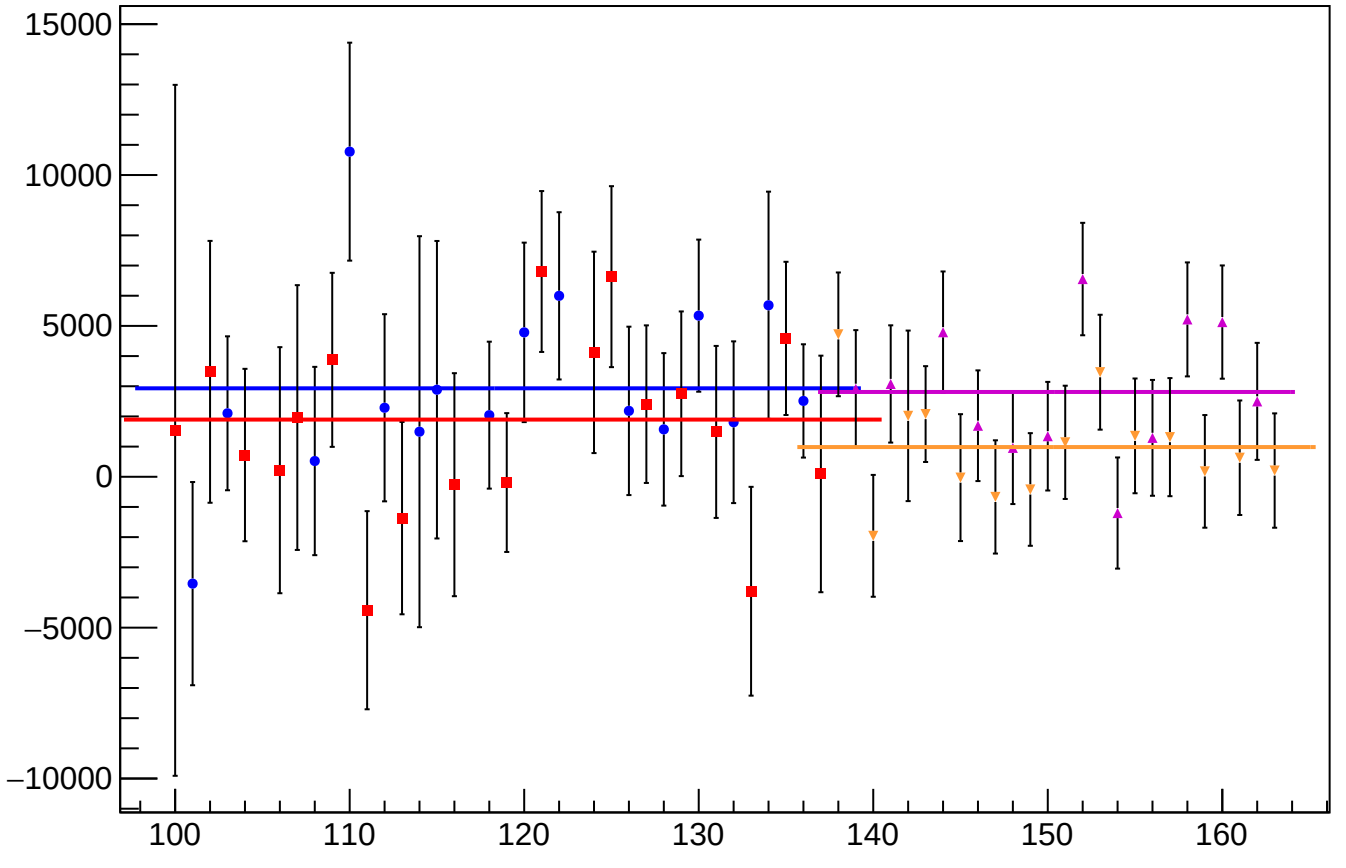
Left: 4503.433+/-0.699 χ^2/NDF: 1270735.2/25

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2697.018+/-0.566 χ^2/NDF:12253384.6/27

Out: 2697.543+/-0.550 χ^2/NDF:12110739.6/32

All: 2697.288+/-0.394 χ^2/NDF: 24364124.6/6



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 984.734+/-516.893 χ^2/NDF:9.8/13

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2810.511+/-545.946 χ^2/NDF:15.6/11

Left: 1847.751+/-375.349 χ^2/NDF: 31.3/25

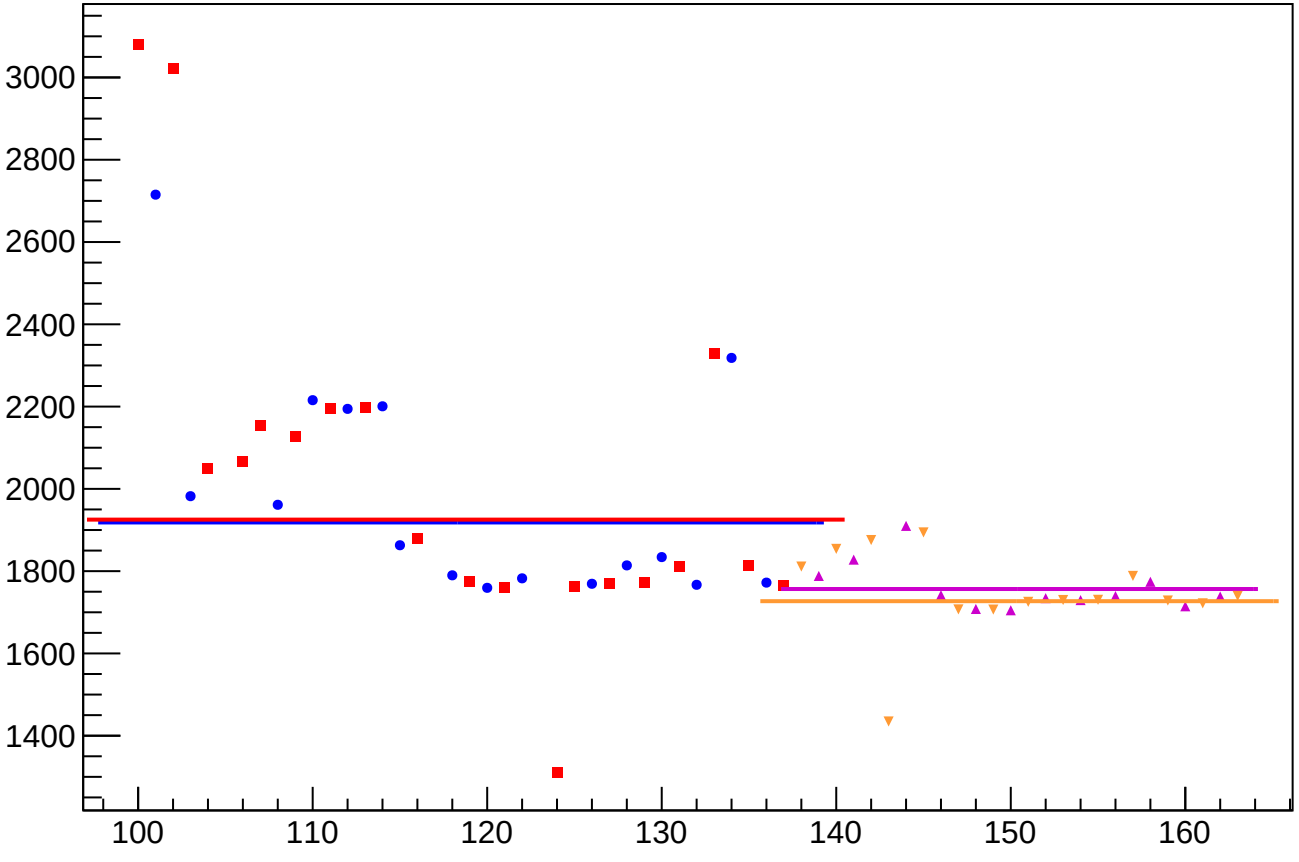
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2854.881+/-434.652 χ^2/NDF:28.6/27

Out: 1293.383+/-420.279 χ^2/NDF:28.2/32

All: 2047.888+/-302.136 χ^2/NDF: 63.5/60

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.013+/-0.365 χ^2/NDF:99846.9/13

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1756.600+/-0.386 χ^2/NDF:20221.0/11

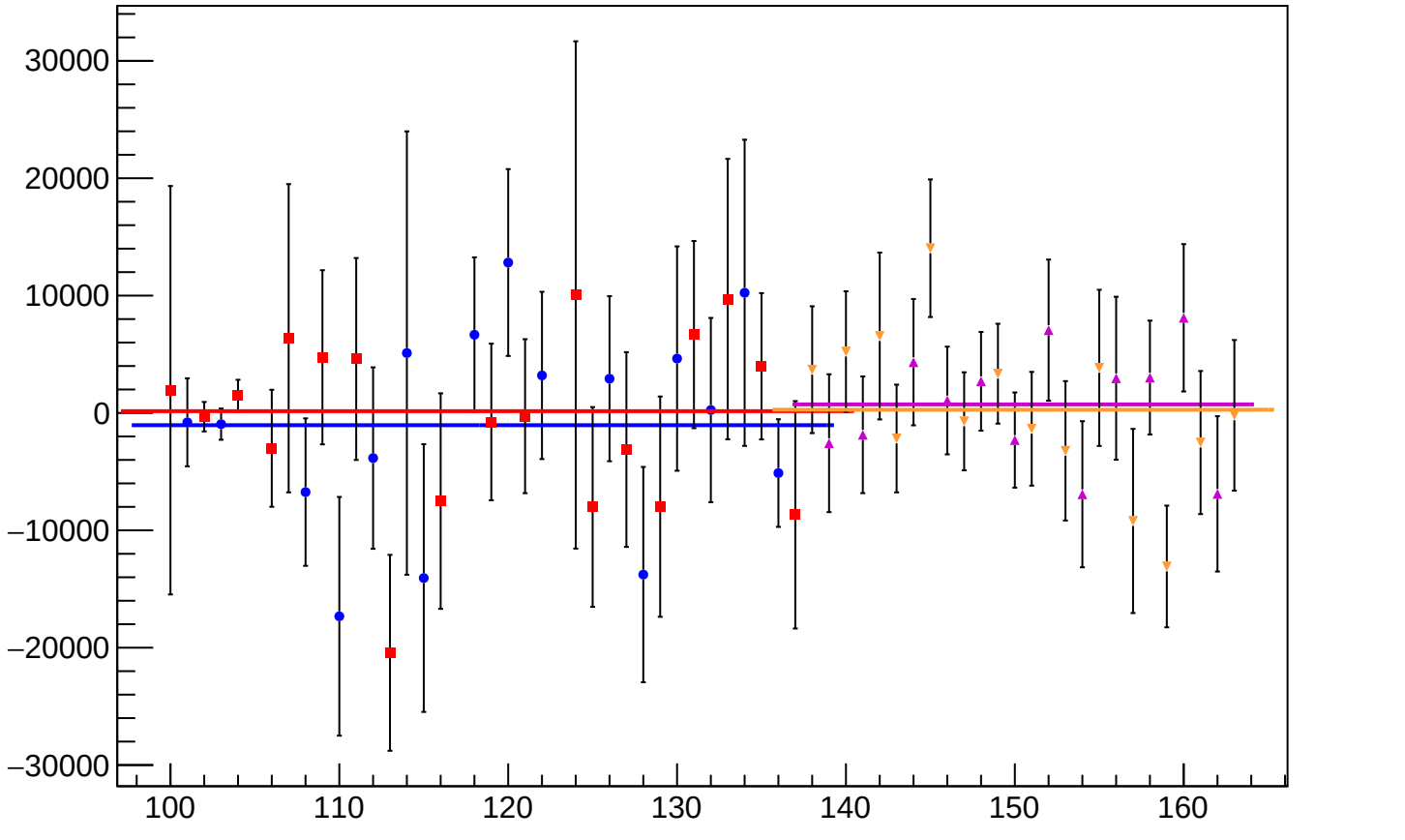
Left: 1740.999+/-0.265 χ^2/NDF: 123165.4/25

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1815.832+/-0.307 χ^2/NDF:300108.4/27

Out: 1794.270+/-0.297 χ^2/NDF:538751.1/32

All: 1804.685+/-0.214 χ^2/NDF: 841403.9/60



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 277.049+/-1444.522 χ^2/NDF:17.5/13

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 730.397+/-1518.526 χ^2/NDF:7.5/11

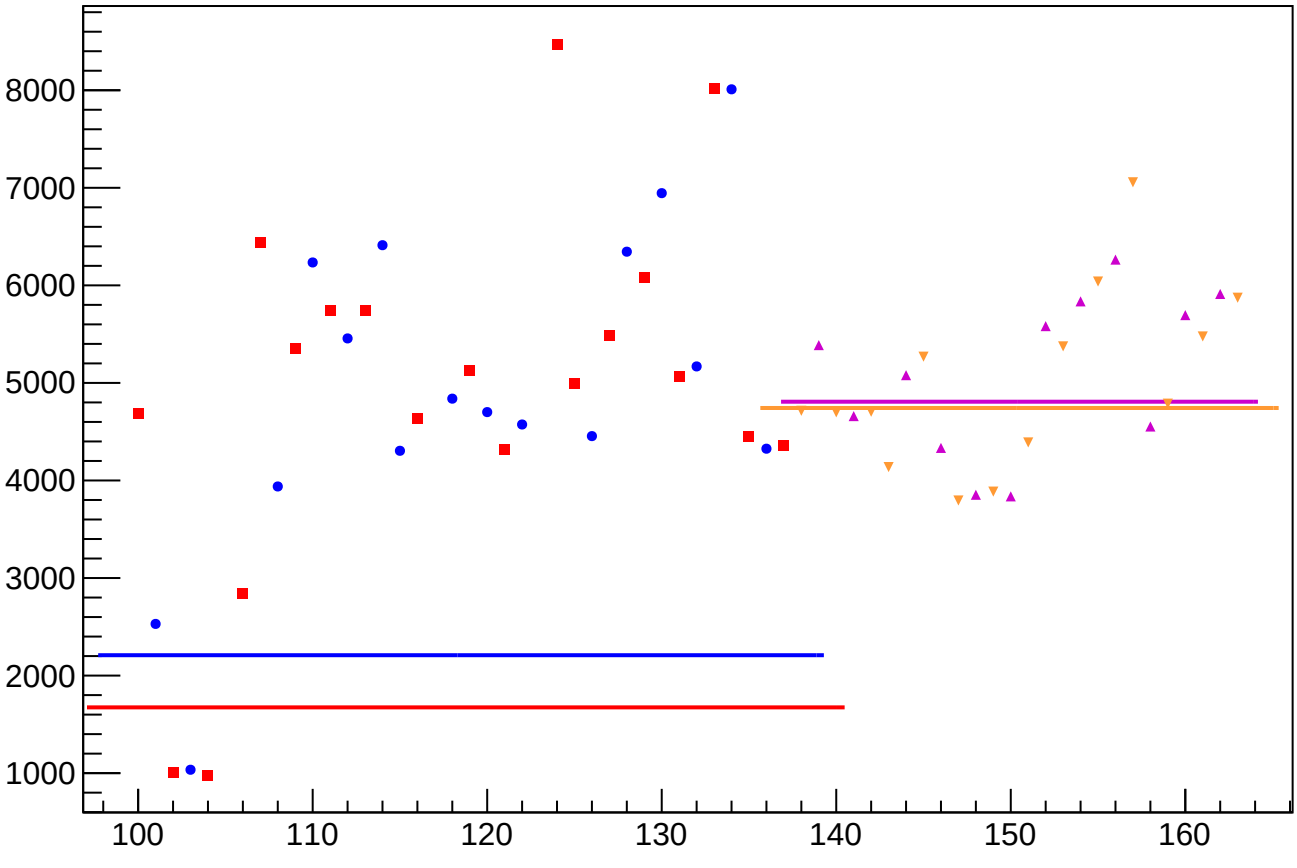
Left: 492.408+/-1046.616 χ^2/NDF: 25.1/25

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -452.133+/-875.984 χ^2/NDF:22.2/27

Out: 184.569+/-723.339 χ^2/NDF:31.3/32

All: -73.561+/-557.760 χ^2/NDF: 53.8/60



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4743.040+/-1.021 χ^2/NDF:609675.0/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4807.409+/-1.074 χ^2/NDF:541989.2/11

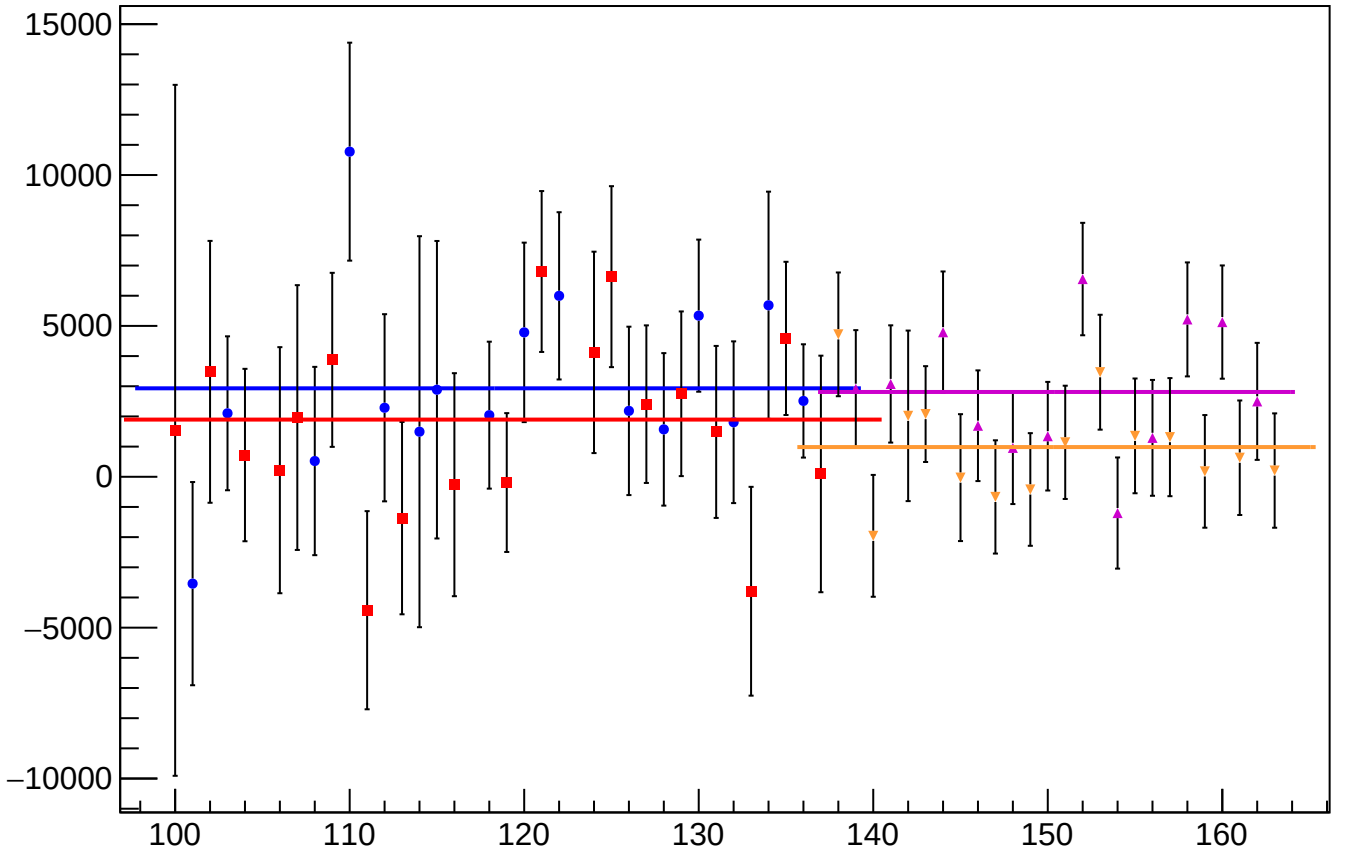
Left: 4773.618+/-0.740 χ^2/NDF: 1153550.7/25

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3073.621+/-0.619 χ^2/NDF:9948542.3/27

Out: 2443.672+/-0.511 χ^2/NDF:14226358.5/32

All: 2699.065+/-0.394 χ^2/NDF: 24789878.6/6


eigen_dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
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−5000
−10000
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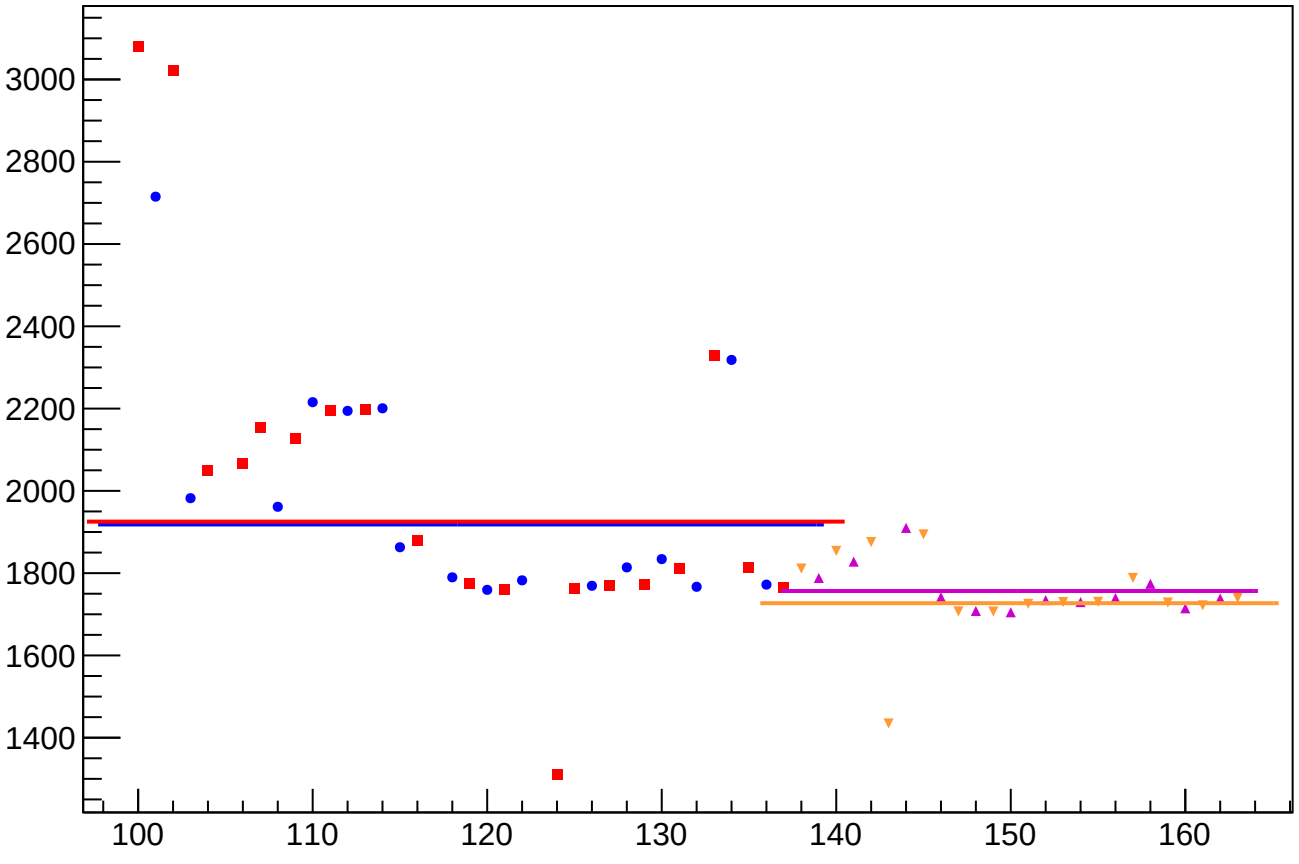
140
150
160
Right In: 2931.693+/-718.305 χ²/NDF: 13.0/15
Left Out: 984.723+/-516.893 χ²/NDF:9.8/13
Right Out: 1895.508+/-721.953 χ²/NDF: 17.4/18
Left In: 2810.511+/-545.947 χ²/NDF:15.6/11
Left: 1847.745+/-375.350 χ²/NDF: 31.3/25
Right: 2416.225+/-509.203 χ²/NDF: 31.4/34
In: 2854.882+/-434.652 χ²/NDF:28.6/27
Out: 1293.378+/-420.279 χ²/NDF:28.2/32
All: 2047.886+/-302.136 χ²/NDF: 63.5/60



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1727.014+/-0.365 χ^2/NDF:99846.0/13

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1756.601+/-0.386 χ^2/NDF:20220.9/11

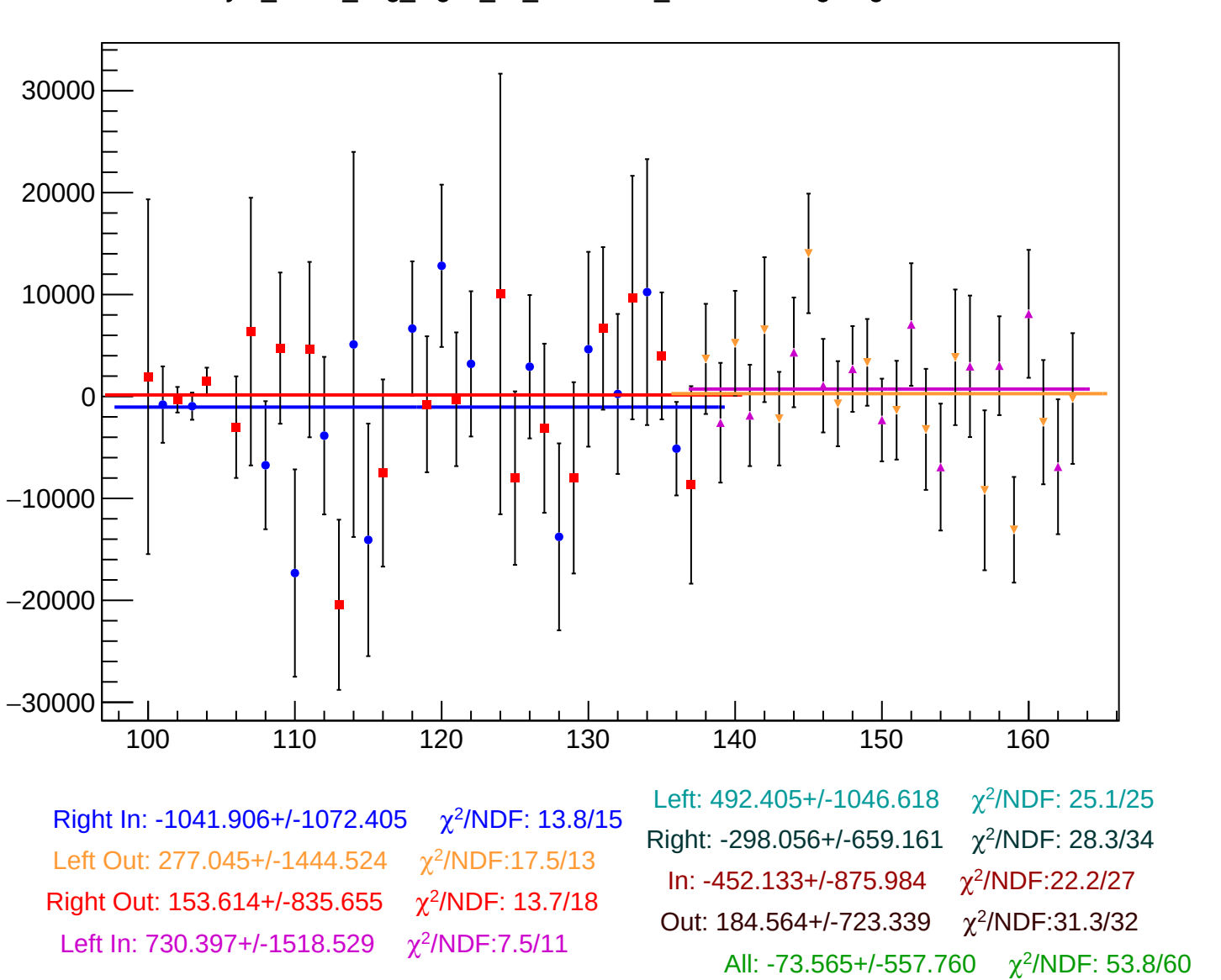
Left: 1741.000+/-0.265 χ^2/NDF: 123164.4/25

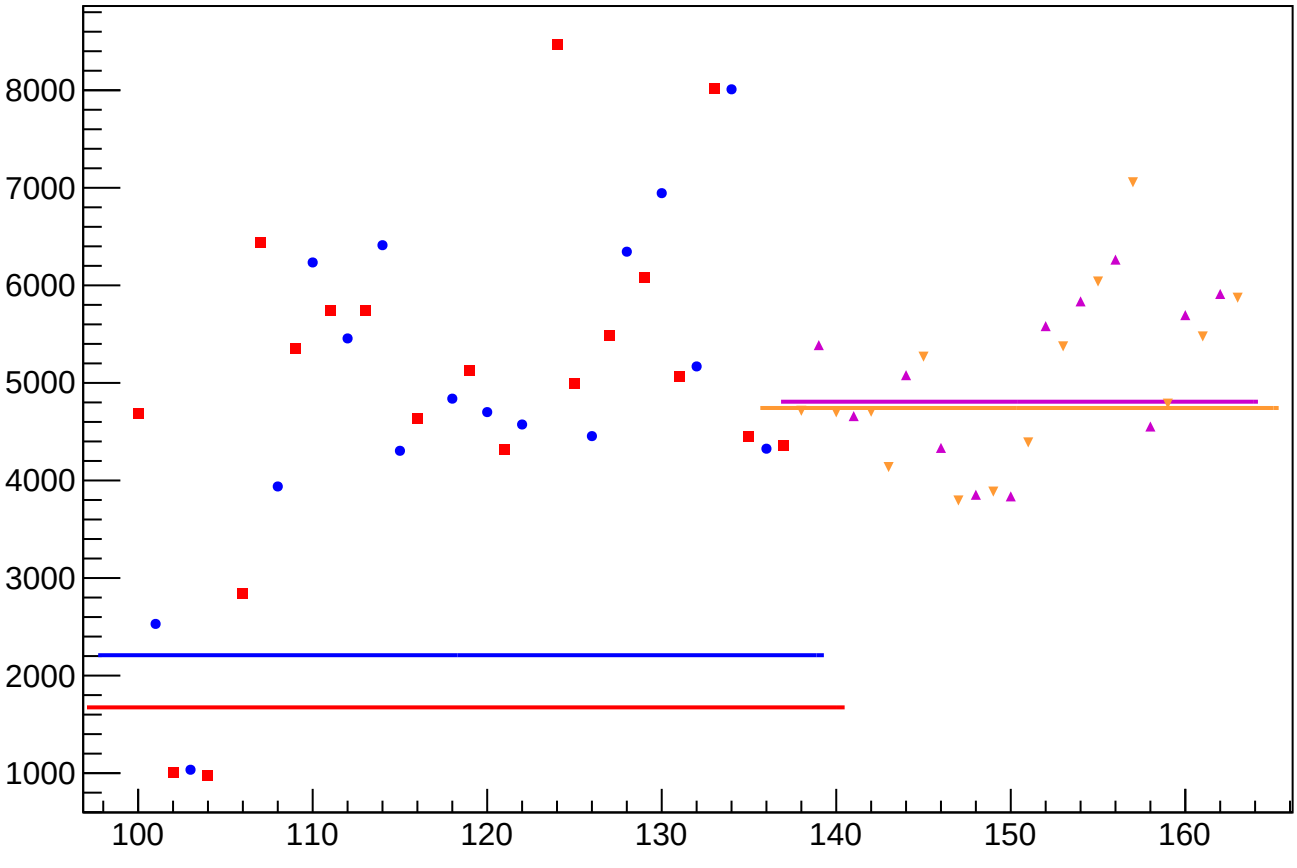
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1815.832+/-0.307 χ^2/NDF:300107.1/27

Out: 1794.270+/-0.297 χ^2/NDF:538747.4/32

All: 1804.686+/-0.214 χ^2/NDF: 841398.8/60


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 277.045+/-1444.524 χ²/NDF:17.5/13
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: 730.397+/-1518.529 χ²/NDF:7.5/11
Left: 492.405+/-1046.618 χ²/NDF: 25.1/25
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -452.133+/-875.984 χ²/NDF:22.2/27
Out: 184.564+/-723.339 χ²/NDF:31.3/32
All: -73.565+/-557.760 χ²/NDF: 53.8/60



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4743.048+/-1.021 χ^2/NDF:609674.5/13

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4807.416+/-1.074 χ^2/NDF:541987.5/11

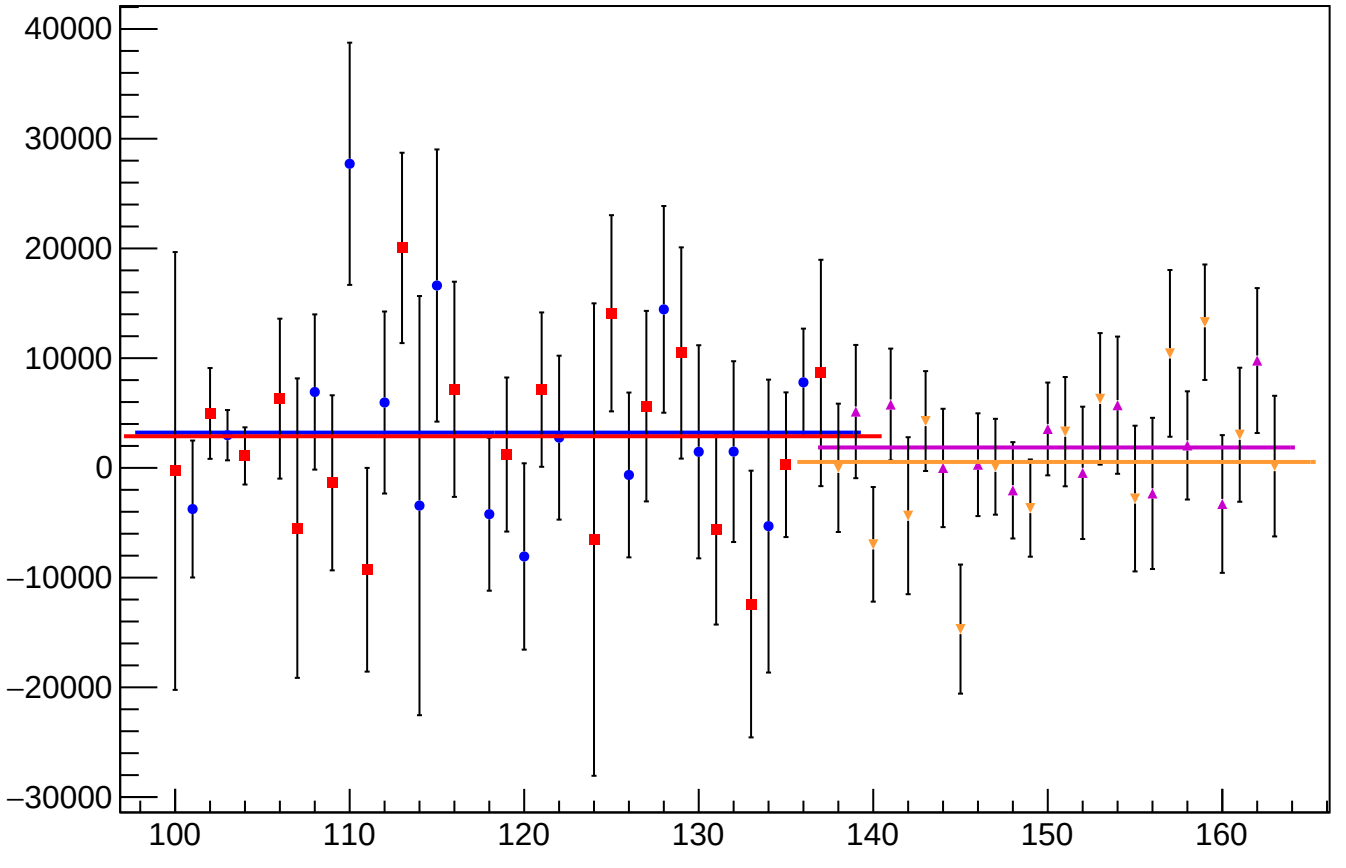
Left: 4773.625+/-0.740 χ^2/NDF: 1153548.5/25

Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3073.620+/-0.619 χ^2/NDF:9948551.8/27

Out: 2443.672+/-0.511 χ^2/NDF:14226370.4/32

All: 2699.064+/-0.394 χ^2/NDF: 24789900.3/6



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 541.641+/-1472.270 χ^2/NDF:20.0/13

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1862.036+/-1548.742 χ^2/NDF:5.1/11

Left: 1168.436+/-1067.063 χ^2/NDF: 25.5/25

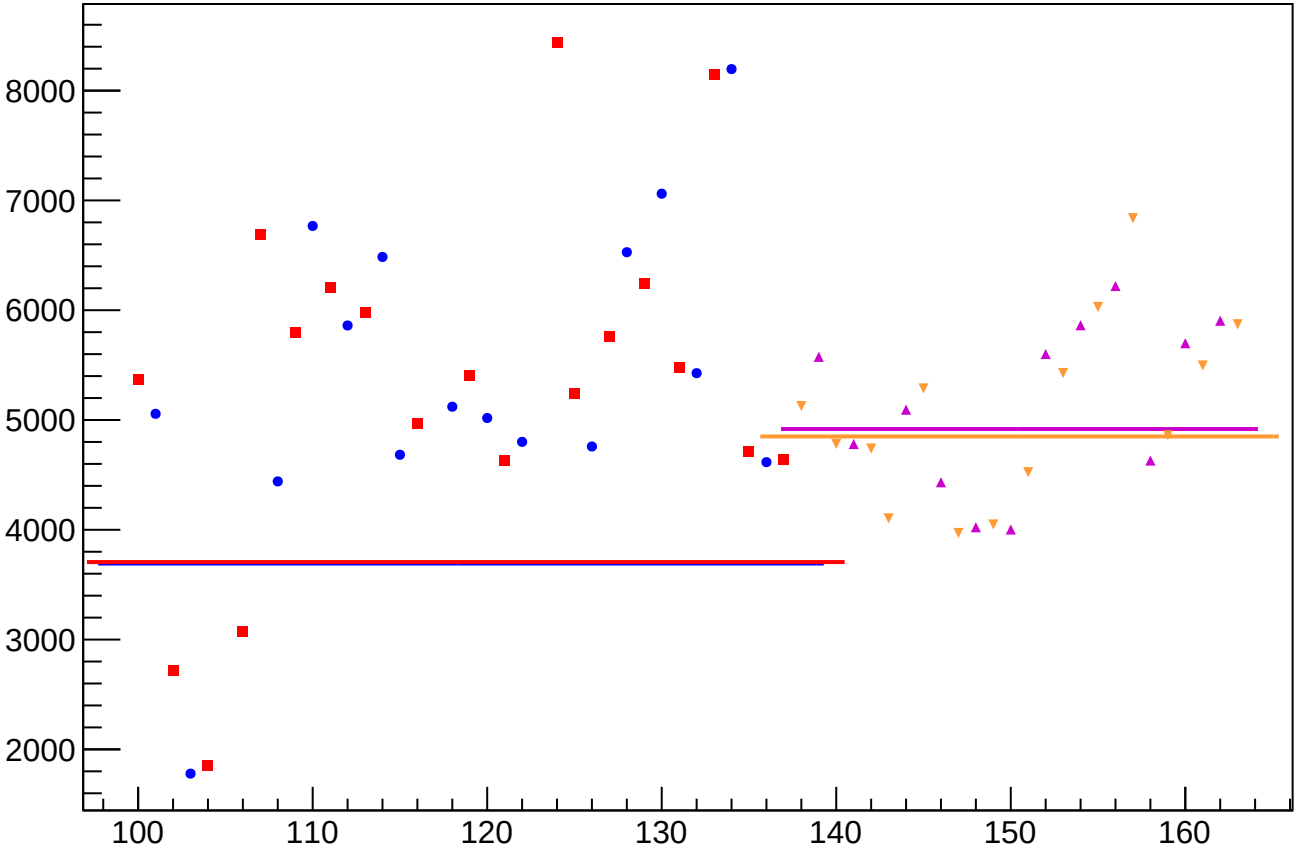
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2543.021+/-1091.759 χ^2/NDF:19.3/27

Out: 1650.742+/-1068.166 χ^2/NDF:34.6/32

All: 2087.136+/-763.512 χ^2/NDF: 54.2/60

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4849.989+/-1.041 χ^2/NDF:516981.4/13

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4917.822+/-1.095 χ^2/NDF:450403.4/11

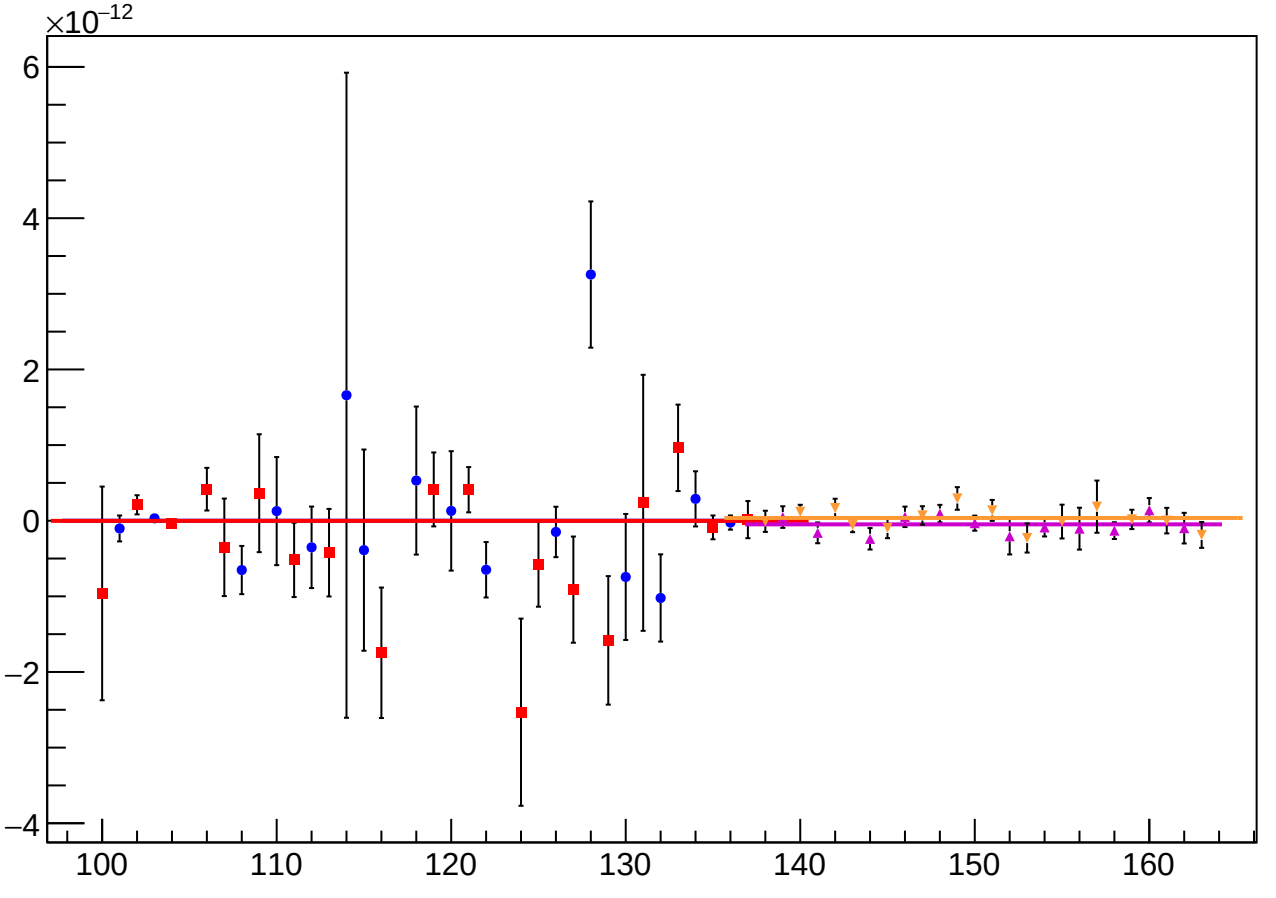
Left: 4882.190+/-0.755 χ^2/NDF: 969400.2/25

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4301.558+/-0.772 χ^2/NDF:3965535.1/27

Out: 4302.491+/-0.752 χ^2/NDF:3779377.5/32

All: 4302.037+/-0.539 χ^2/NDF: 7744913.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/11

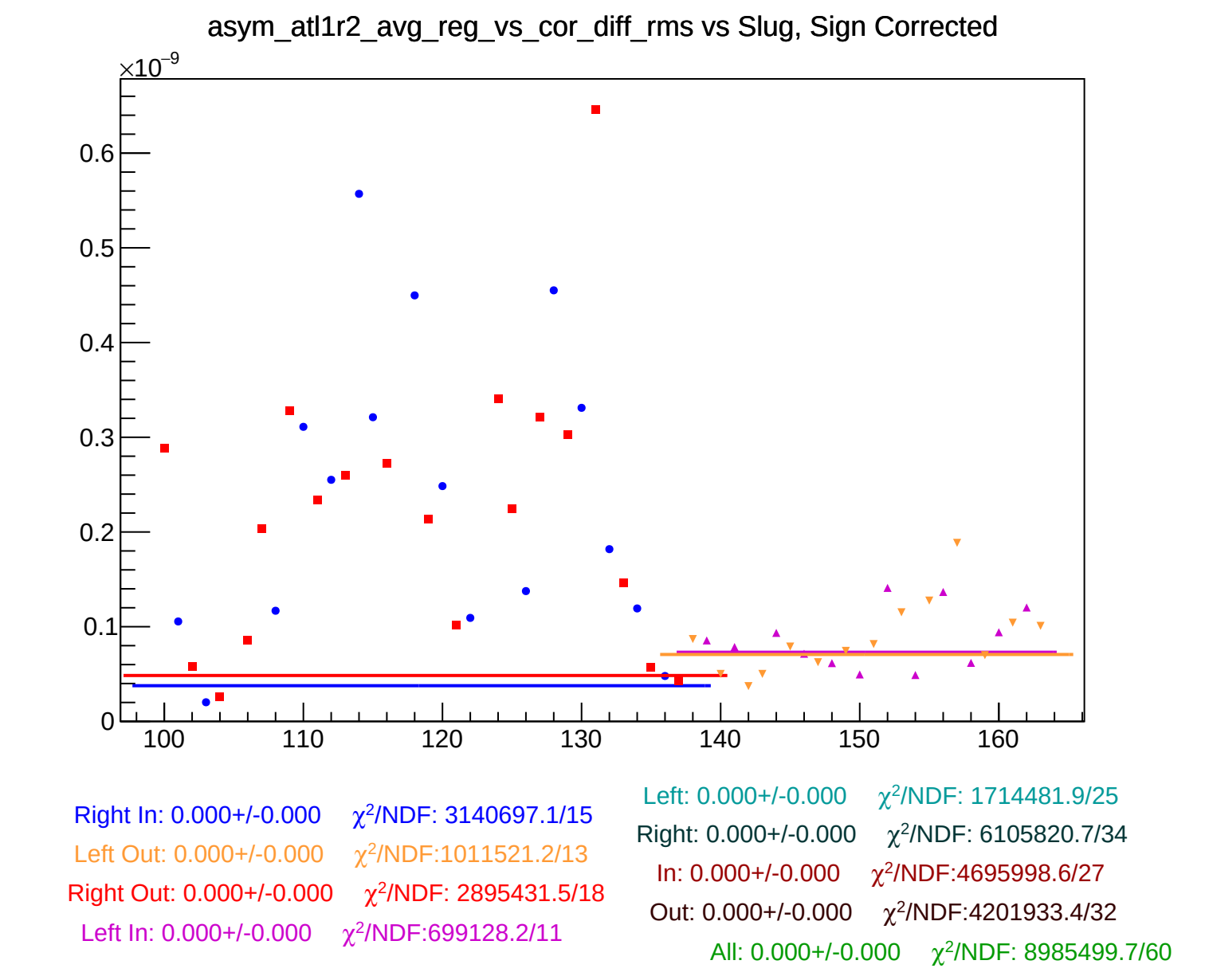
Left: -0.000+/-0.000 χ^2/NDF: 21.5/25

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:33.8/27

Out: 0.000+/-0.000 χ^2/NDF:40.1/32

All: -0.000+/-0.000 χ^2/NDF: 75.1/60


asym_atl1r2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
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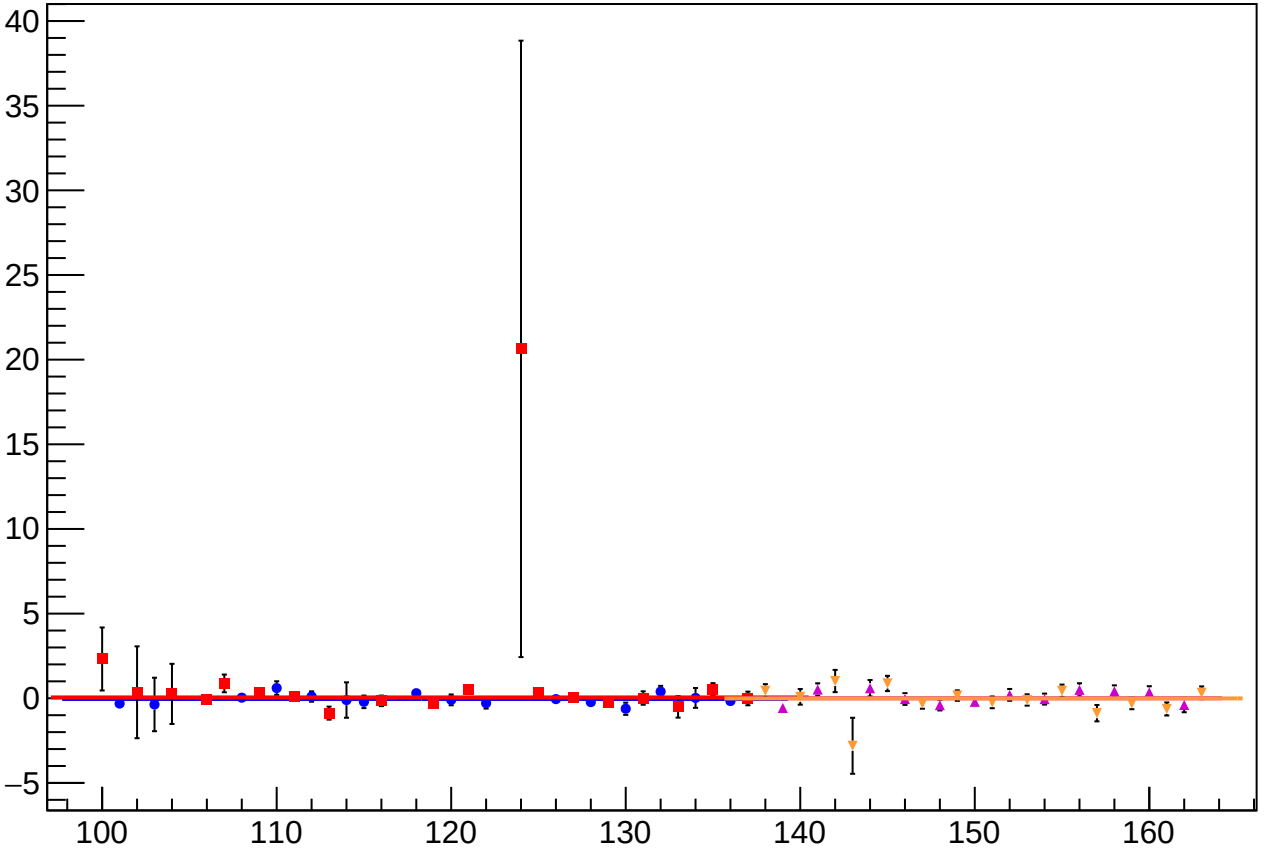
0.1
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1011521.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:699128.2/11
Left: 0.000+/-0.000 χ²/NDF: 1714481.9/25
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:4695998.6/27
Out: 0.000+/-0.000 χ²/NDF:4201933.4/32
All: 0.000+/-0.000 χ²/NDF: 8985499.7/60

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.001+/-0.100 χ^2/NDF:15.1/11

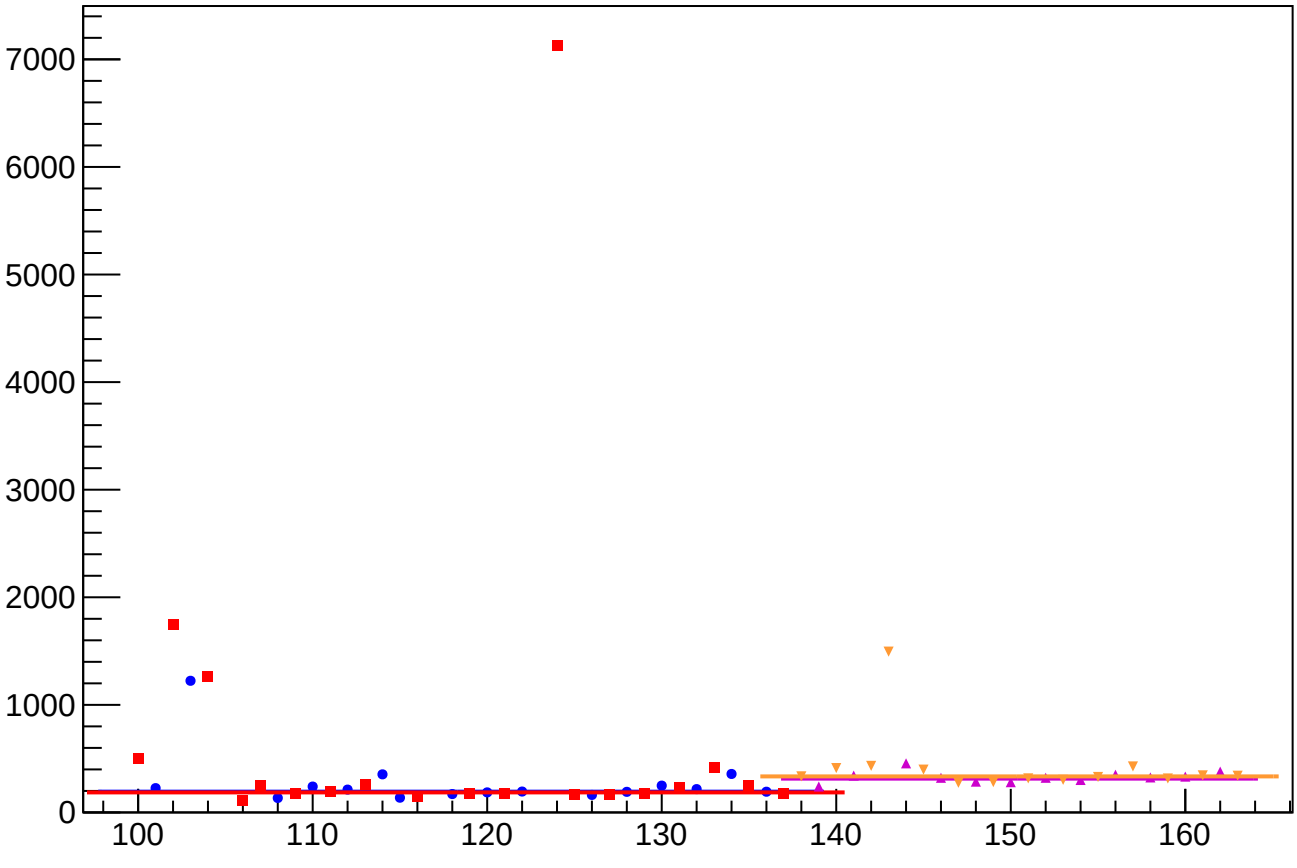
Left: -0.003+/-0.072 χ^2/NDF: 36.4/25

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.025+/-0.061 χ^2/NDF:27.0/27

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.001+/-0.044 χ^2/NDF: 71.8/60



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.077+/-0.074 χ^2/NDF:1362696.4/13

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.439+/-0.071 χ^2/NDF:443894.1/11

Left: 324.280+/-0.051 χ^2/NDF: 1847260.9/25

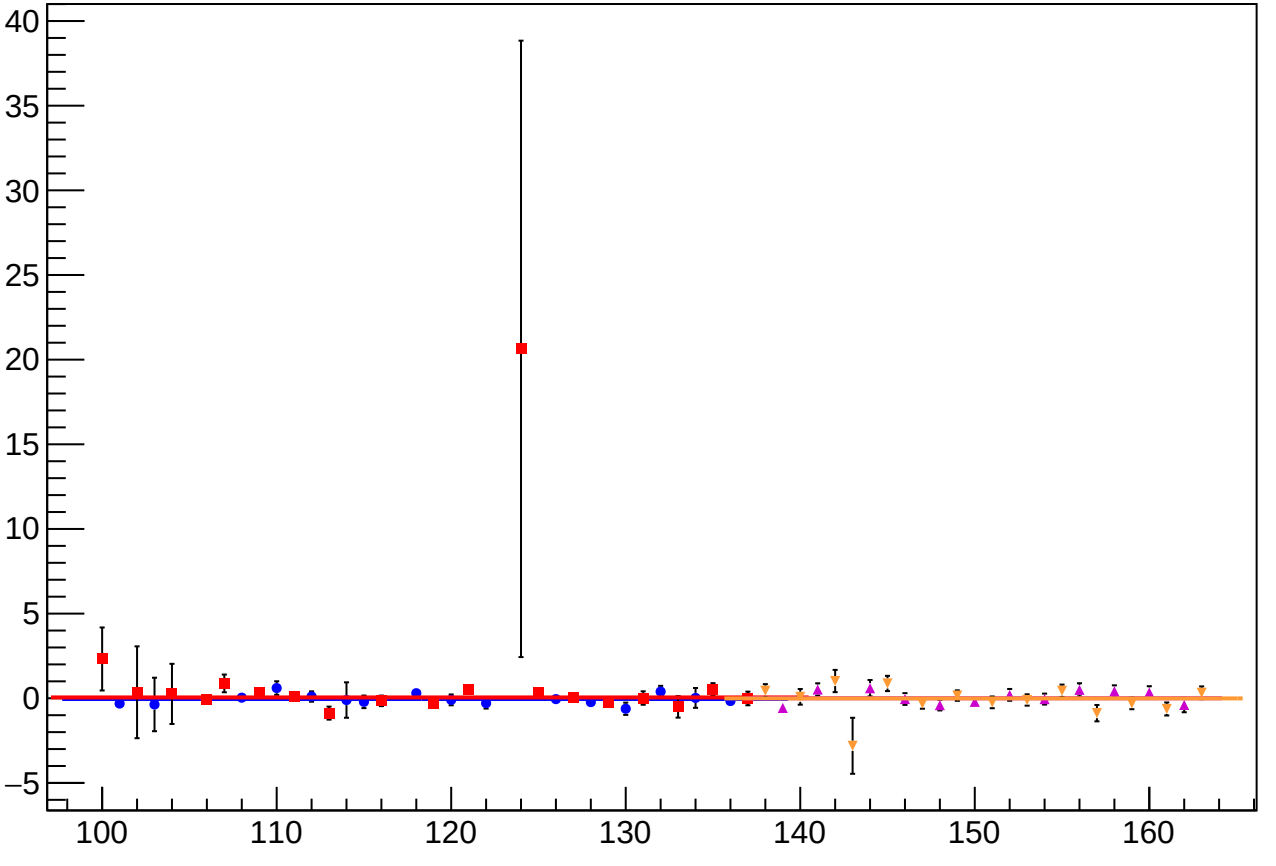
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 238.943+/-0.043 χ^2/NDF:3684242.6/27

Out: 240.153+/-0.045 χ^2/NDF:6417879.0/32

All: 239.533+/-0.031 χ^2/NDF: 10102500.4/60

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.001+/-0.100 χ^2/NDF:15.1/11

Left: -0.003+/-0.072 χ^2/NDF: 36.4/25

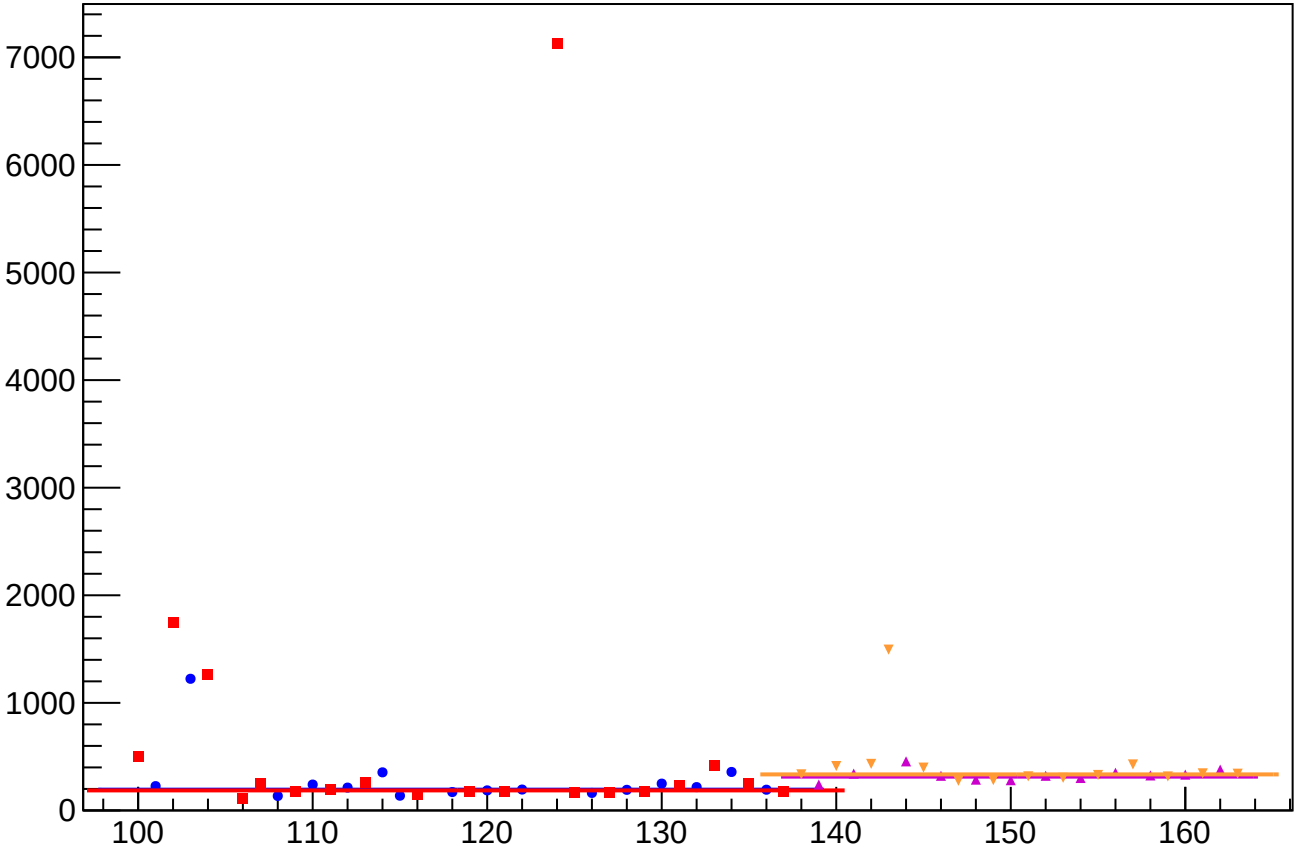
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.025+/-0.061 χ^2/NDF:27.0/27

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.001+/-0.044 χ^2/NDF: 71.8/60

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 335.077+/-0.074 χ^2/NDF:1362696.4/13

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 314.439+/-0.071 χ^2/NDF:443894.1/11

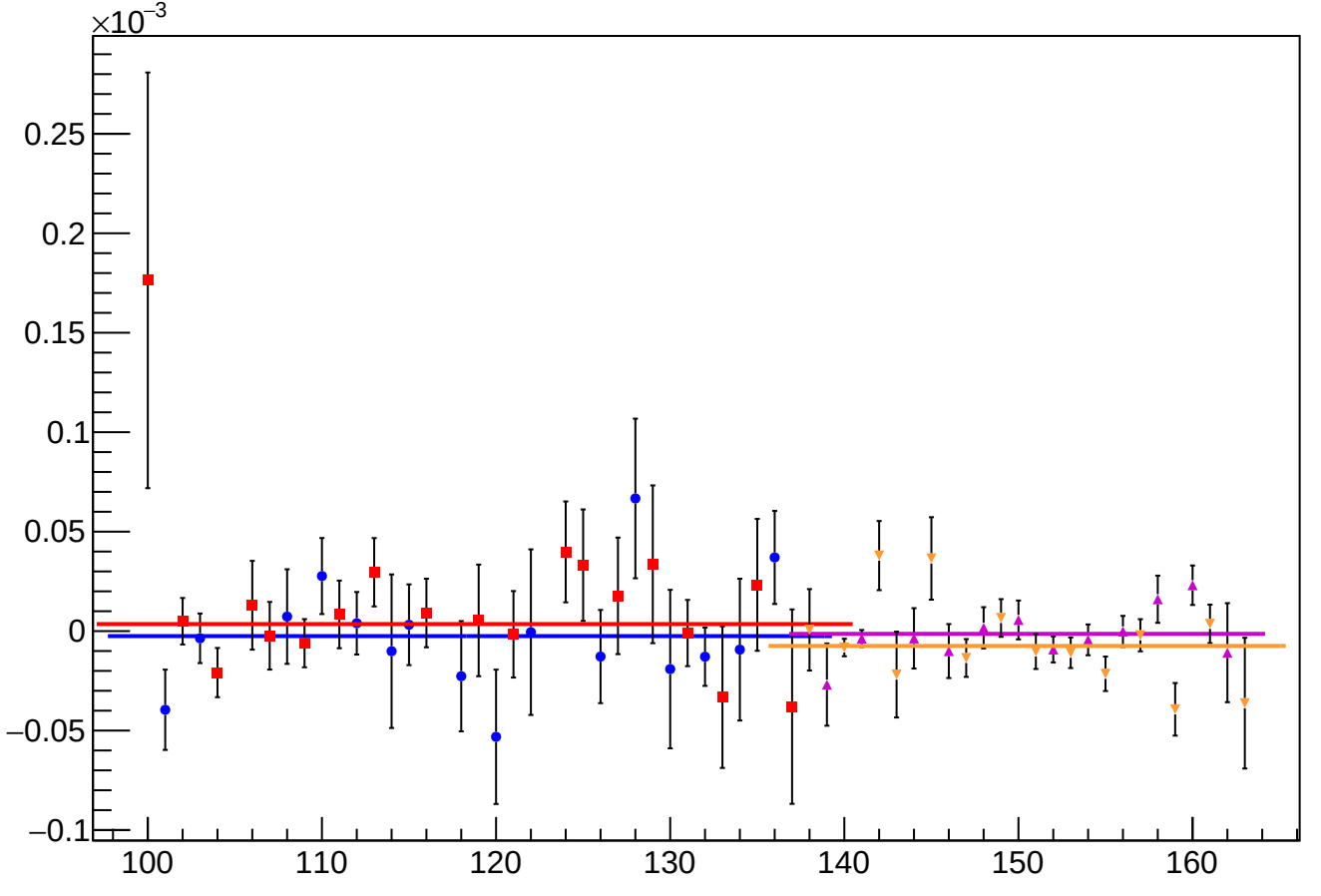
Left: 324.280+/-0.051 χ^2/NDF: 1847260.9/25

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 238.943+/-0.043 χ^2/NDF:3684242.6/27

Out: 240.153+/-0.045 χ^2/NDF:6417879.0/32

All: 239.533+/-0.031 χ^2/NDF: 10102500.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/11

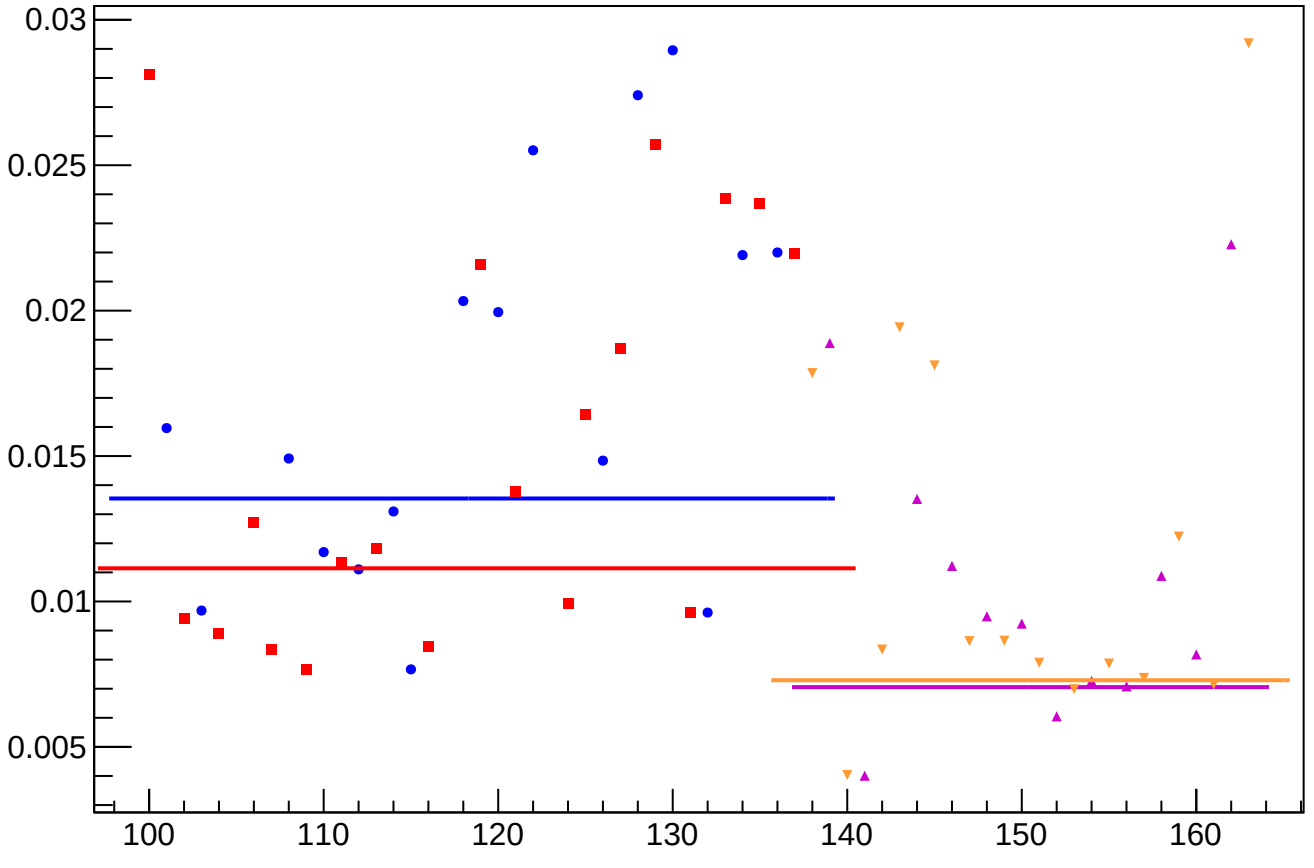
Left: -0.000+/-0.000 χ^2/NDF: 41.6/25

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:28.7/27

Out: -0.000+/-0.000 χ^2/NDF:46.8/32

All: -0.000+/-0.000 χ^2/NDF: 76.5/60



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:4086446.7/13

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:3467739.6/11

Left: 0.007+/-0.000 χ^2/NDF: 7563136.7/25

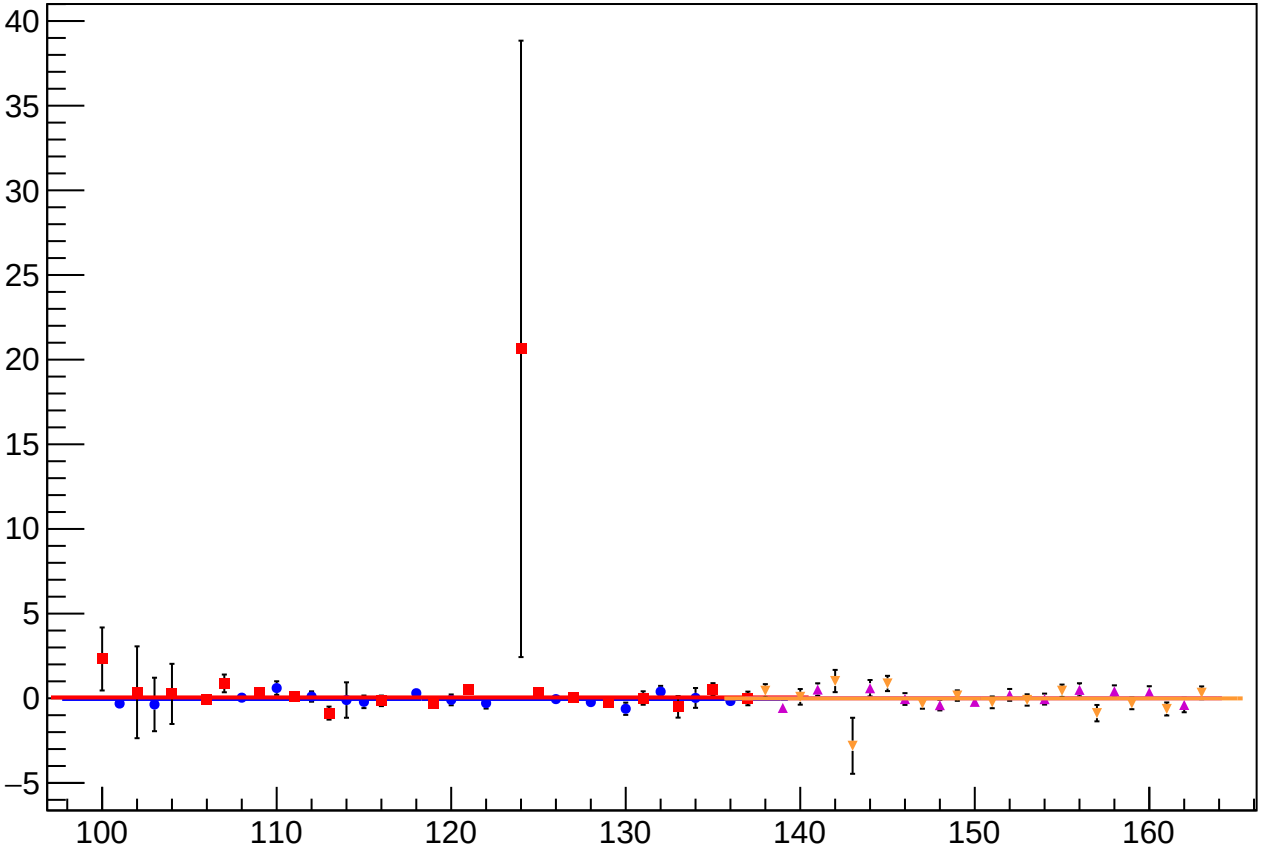
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:7688301.6/27

Out: 0.008+/-0.000 χ^2/NDF:7106163.8/32

All: 0.008+/-0.000 χ^2/NDF: 14794806.3/60

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.001+/-0.100 χ^2/NDF:15.1/11

Left: -0.003+/-0.072 χ^2/NDF: 36.4/25

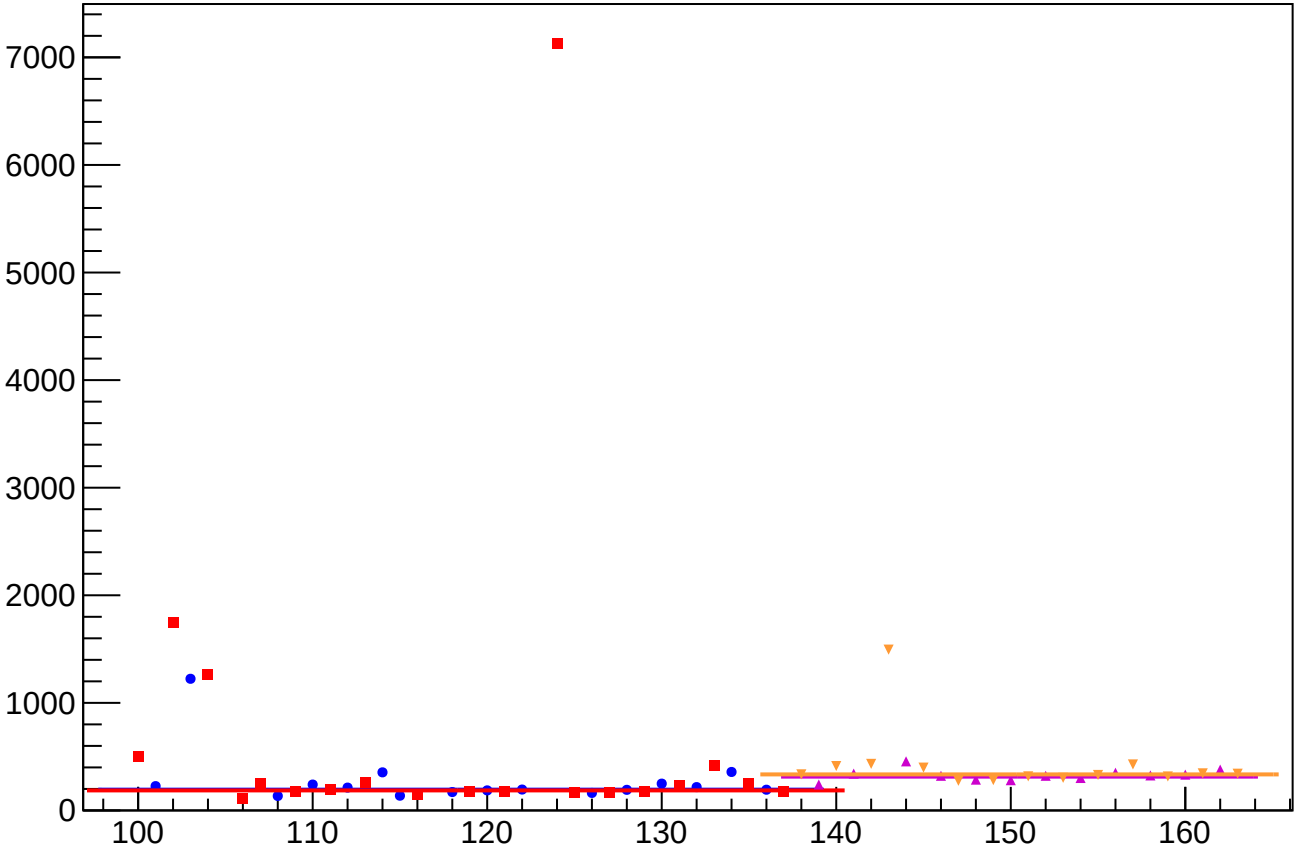
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.025+/-0.061 χ^2/NDF:27.0/27

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.001+/-0.044 χ^2/NDF: 71.8/60

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.083+/-0.074 χ^2/NDF:1362668.8/13

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.443+/-0.071 χ^2/NDF:443882.9/11

Left: 324.285+/-0.051 χ^2/NDF: 1847223.1/25

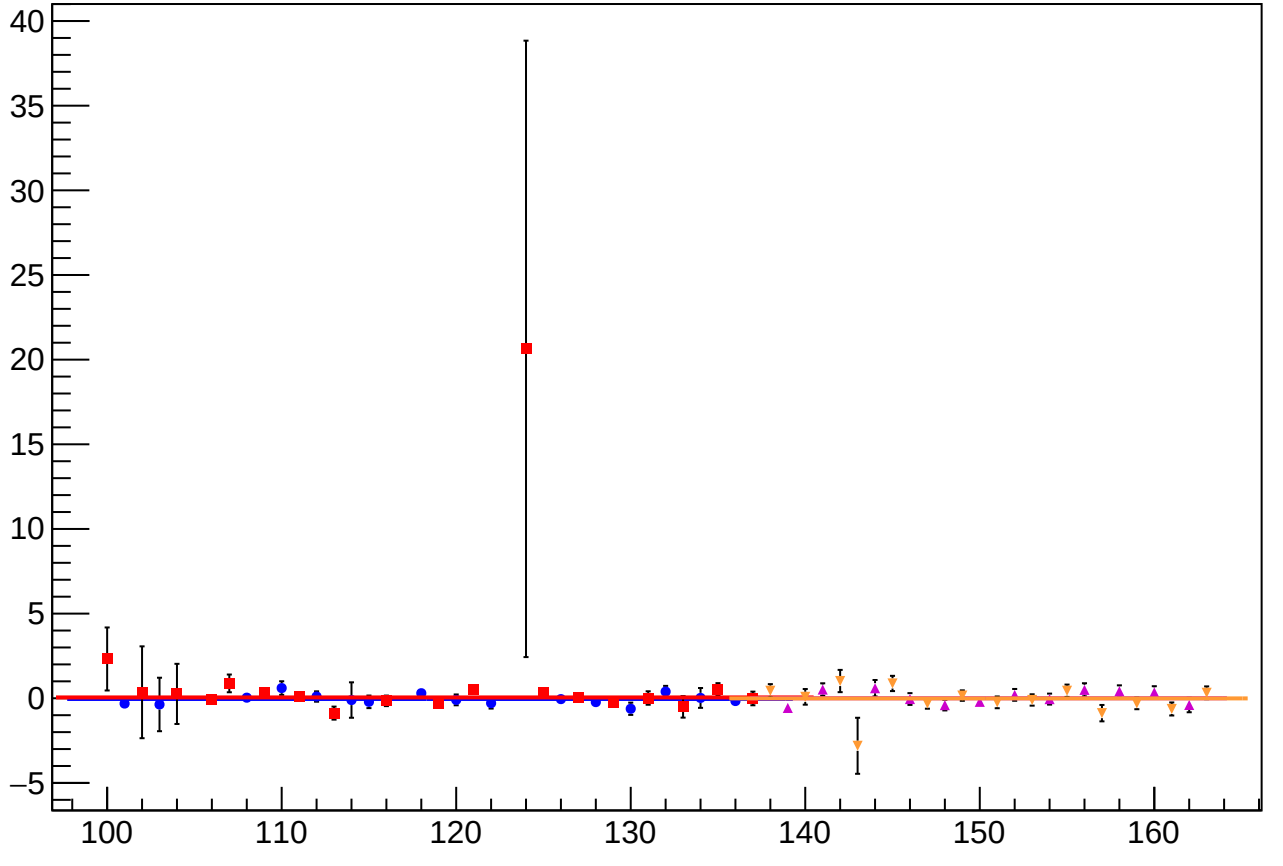
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 238.943+/-0.043 χ^2/NDF:3684390.5/27

Out: 240.152+/-0.045 χ^2/NDF:6418109.6/32

All: 239.532+/-0.031 χ^2/NDF: 10102878.3/60

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: -0.008+/-0.105 χ^2/NDF:21.2/13

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: 0.001+/-0.100 χ^2/NDF:15.1/11

Left: -0.003+/-0.072 χ^2/NDF: 36.4/25

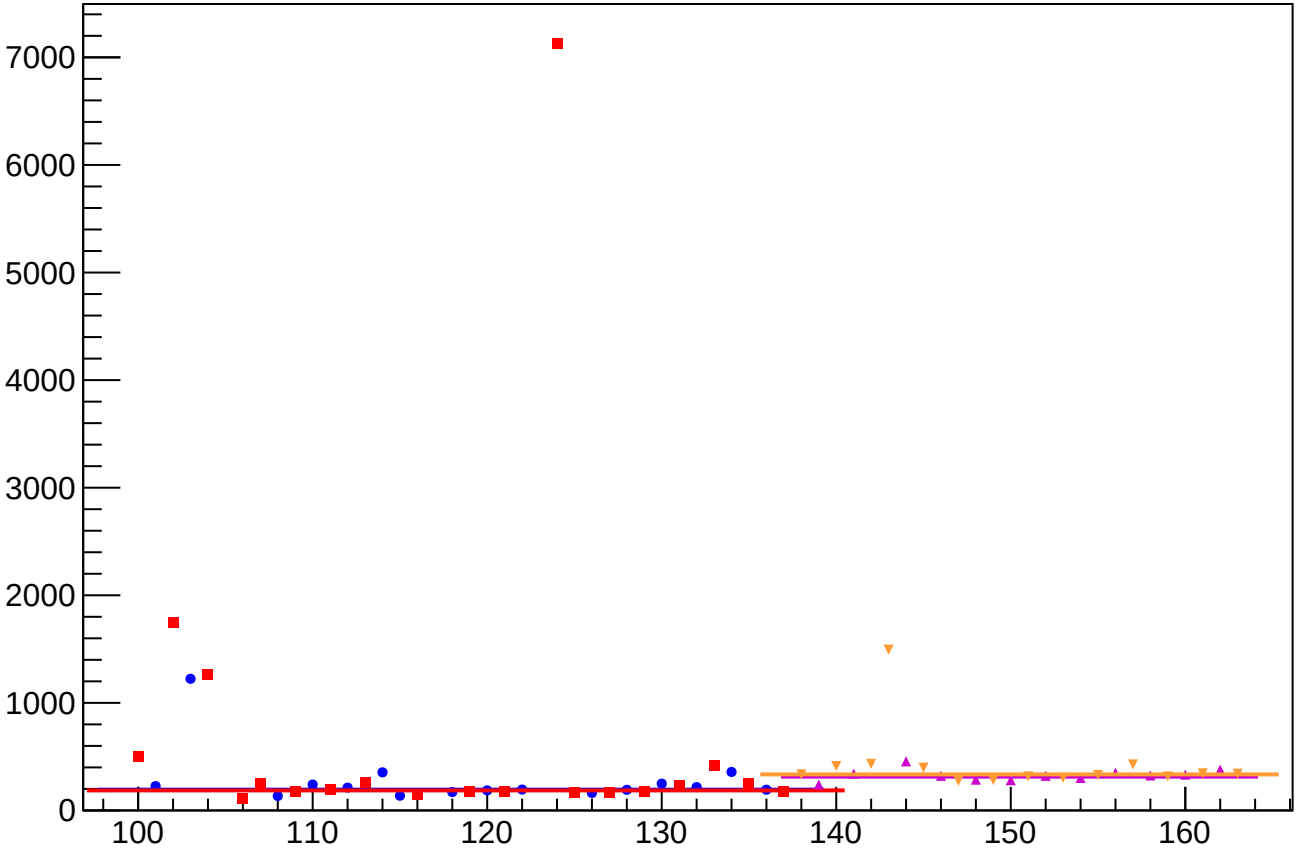
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.025+/-0.061 χ^2/NDF:27.0/27

Out: 0.029+/-0.063 χ^2/NDF:44.4/32

All: 0.001+/-0.044 χ^2/NDF: 71.8/60

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 335.083+/-0.074 χ^2/NDF:1362668.8/13

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 314.443+/-0.071 χ^2/NDF:443882.9/11

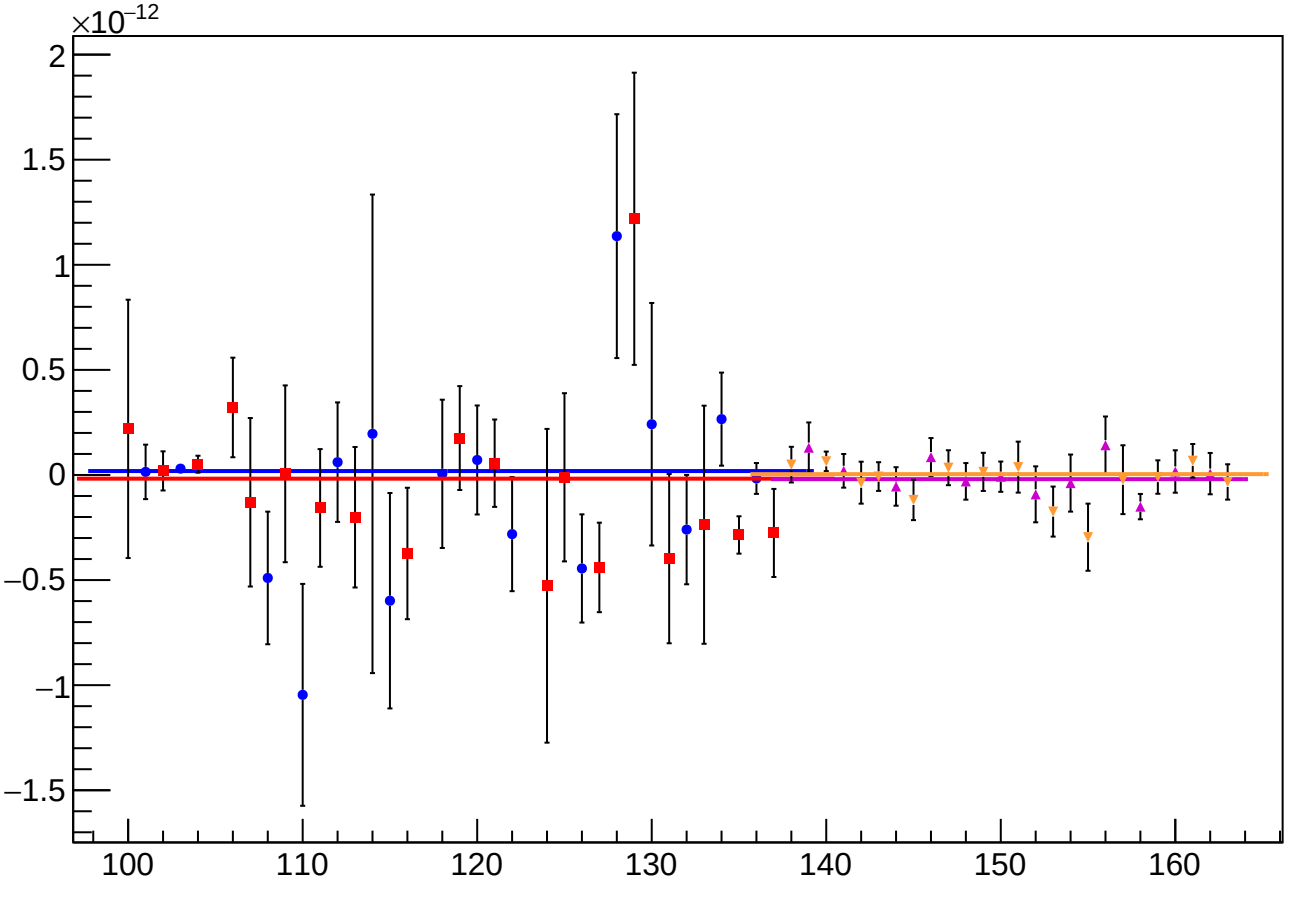
Left: 324.285+/-0.051 χ^2/NDF: 1847223.1/25

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 238.943+/-0.043 χ^2/NDF:3684390.5/27

Out: 240.152+/-0.045 χ^2/NDF:6418109.6/32

All: 239.532+/-0.031 χ^2/NDF: 10102878.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/11

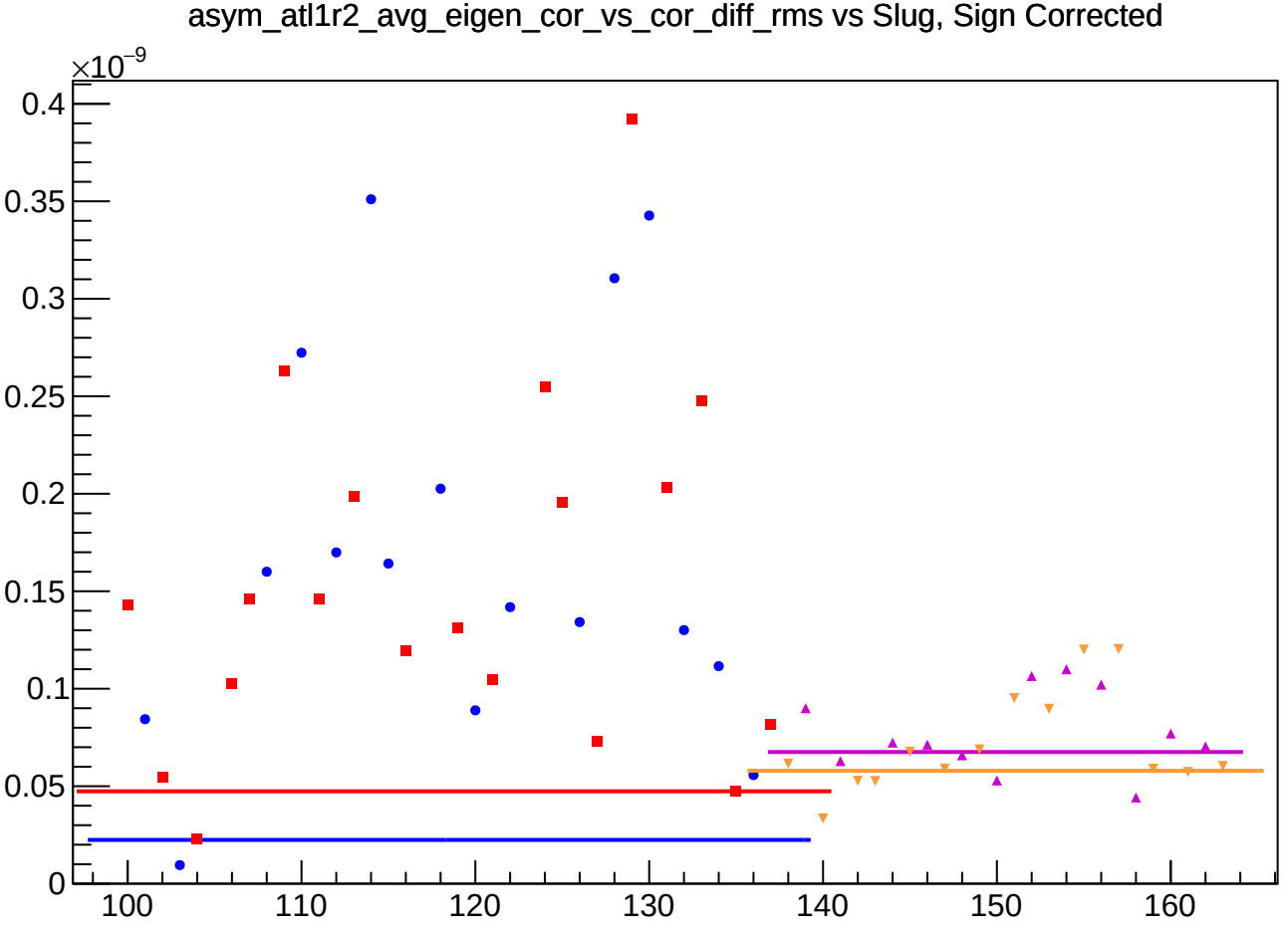
Left: -0.000+/-0.000 χ^2/NDF: 21.1/25

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/27

Out: -0.000+/-0.000 χ^2/NDF:38.2/32

All: 0.000+/-0.000 χ^2/NDF: 68.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1554354.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:982372.3/11

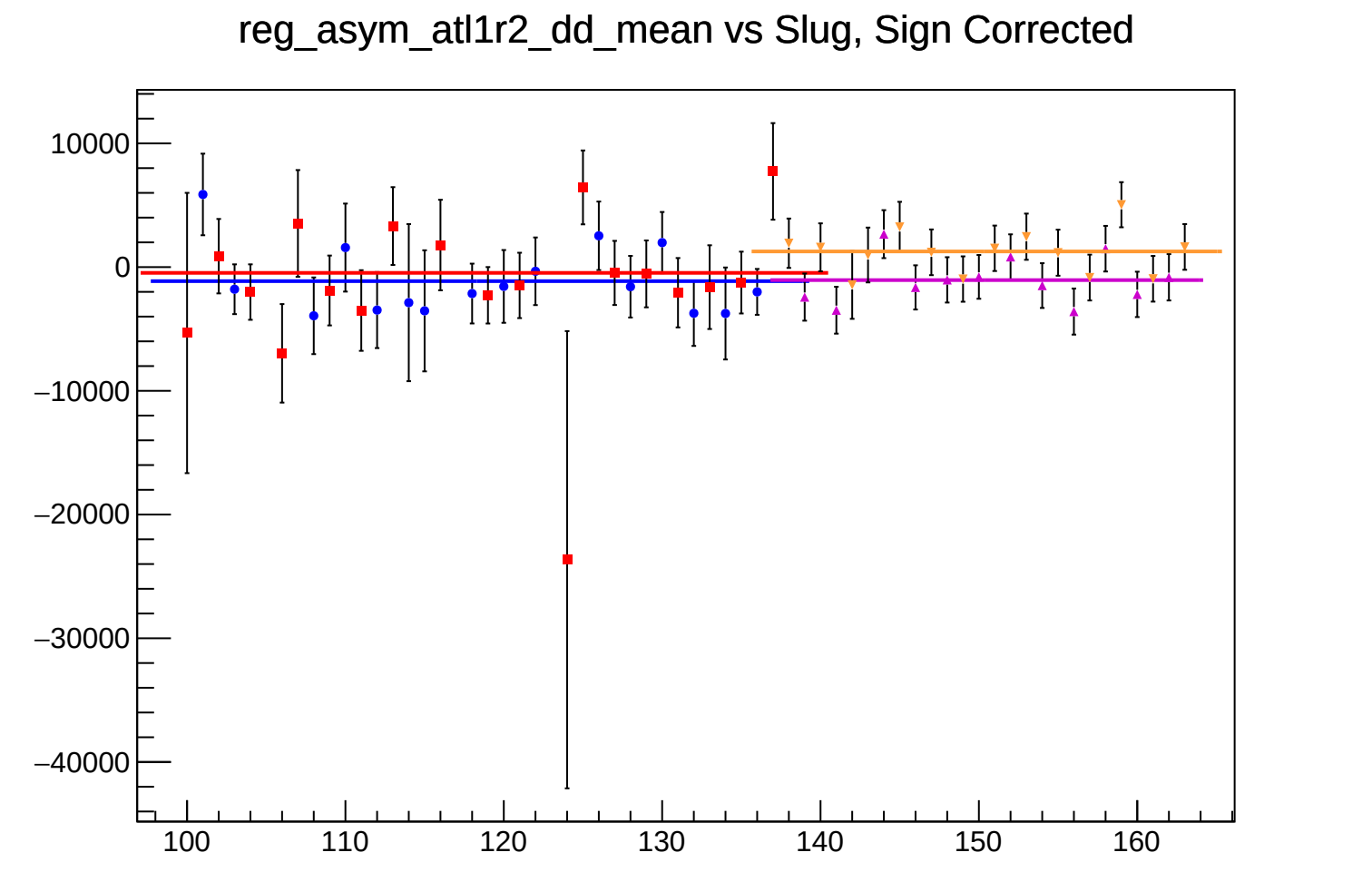
Left: 0.000+/-0.000 χ^2/NDF: 2689858.3/25

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11015217.3/27

Out: 0.000+/-0.000 χ^2/NDF:5940012.5/32

All: 0.000+/-0.000 χ^2/NDF: 17688758.4/60



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.038+/-517.237 χ^2/NDF:11.0/13

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -1050.189+/-532.756 χ^2/NDF:11.3/11

Left: 142.152+/-371.107 χ^2/NDF: 32.0/25

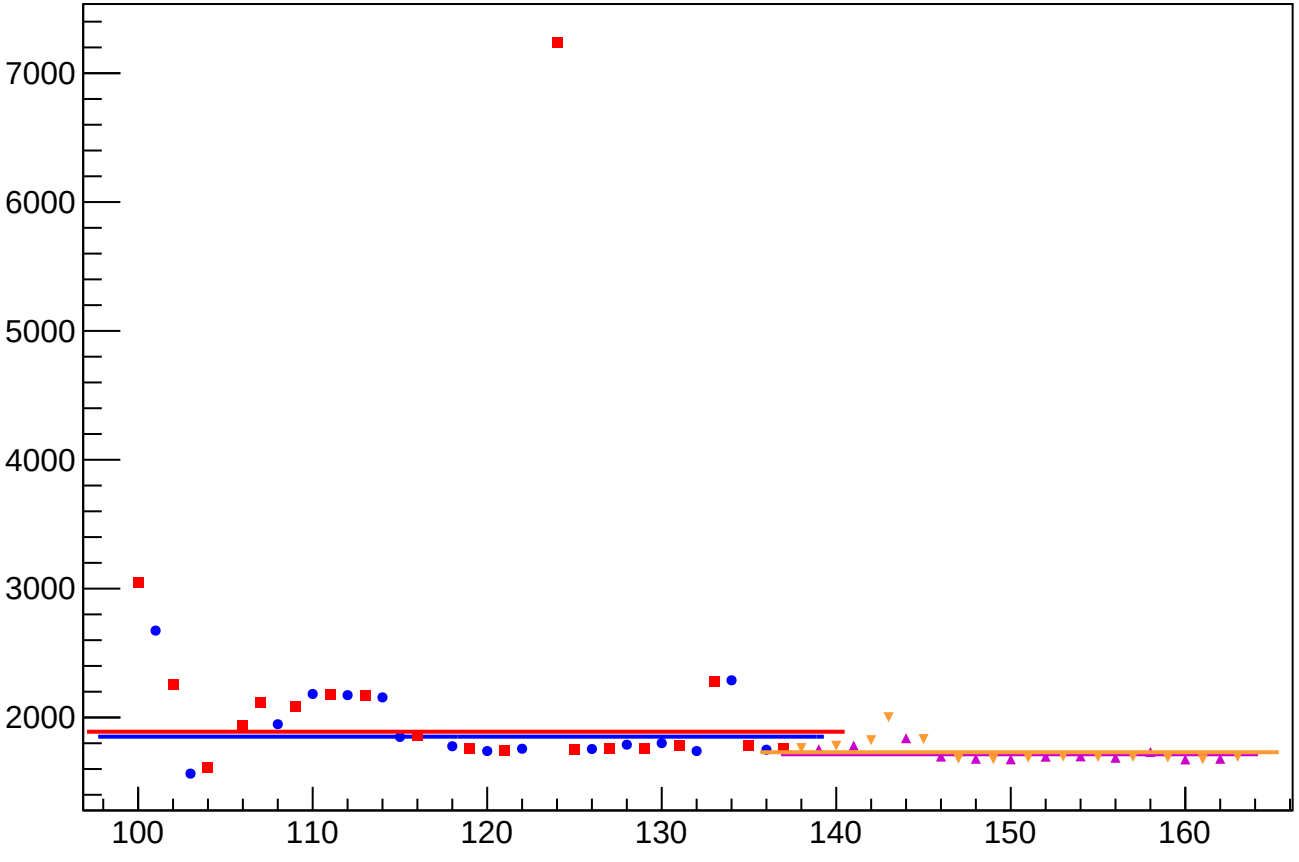
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1081.511+/-422.546 χ^2/NDF:23.5/27

Out: 661.167+/-417.227 χ^2/NDF:35.0/32

All: -199.134+/-296.887 χ^2/NDF: 67.1/60

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1714.425+/-0.377 χ^2/NDF:16156.4/11

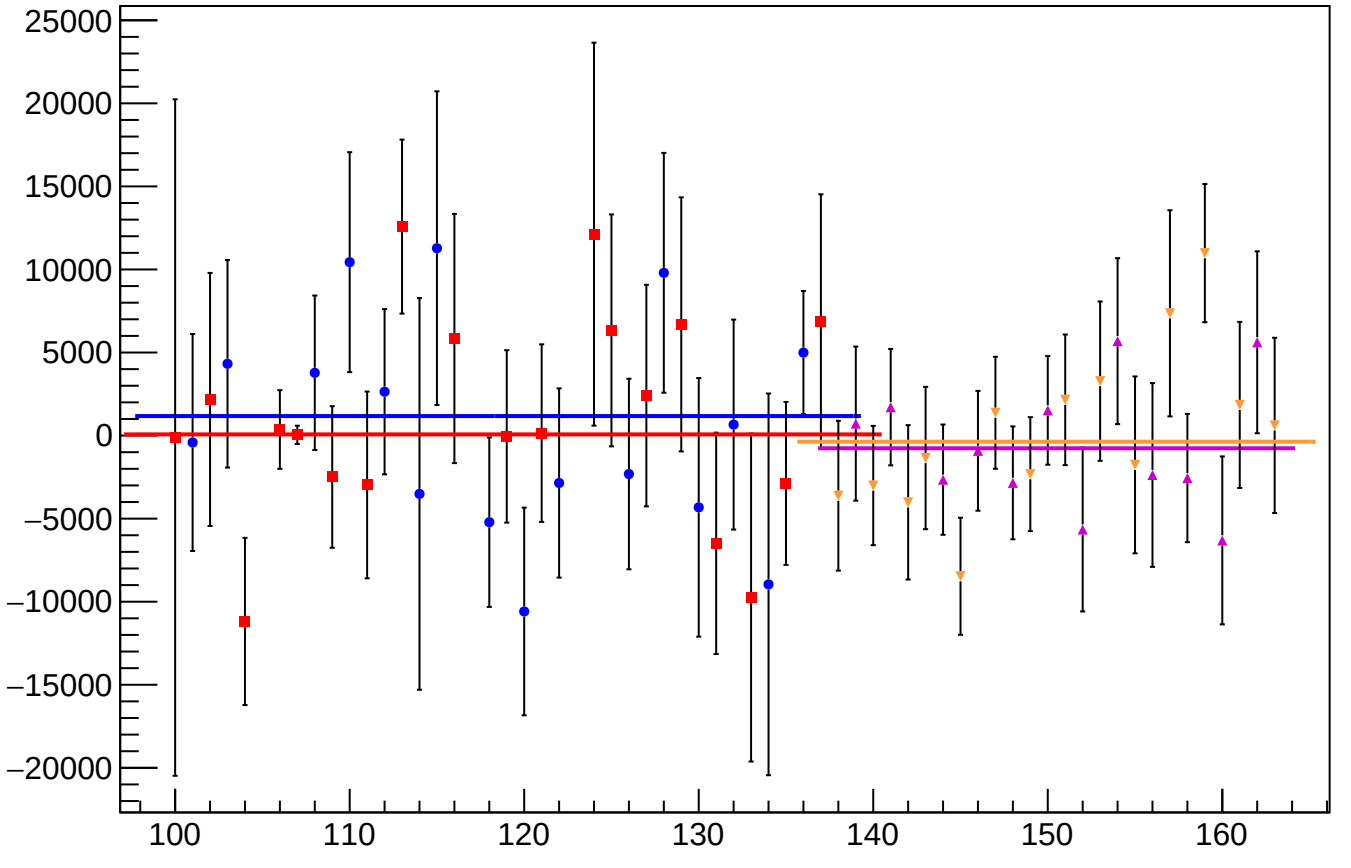
Left: 1722.606+/-0.262 χ^2/NDF: 66249.8/25

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1765.134+/-0.299 χ^2/NDF:324986.1/27

Out: 1786.101+/-0.295 χ^2/NDF:474473.5/32

All: 1775.759+/-0.210 χ^2/NDF: 801955.0/60



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -367.609+/-1129.252 χ^2/NDF:17.9/13

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -762.927+/-1171.103 χ^2/NDF:7.3/11

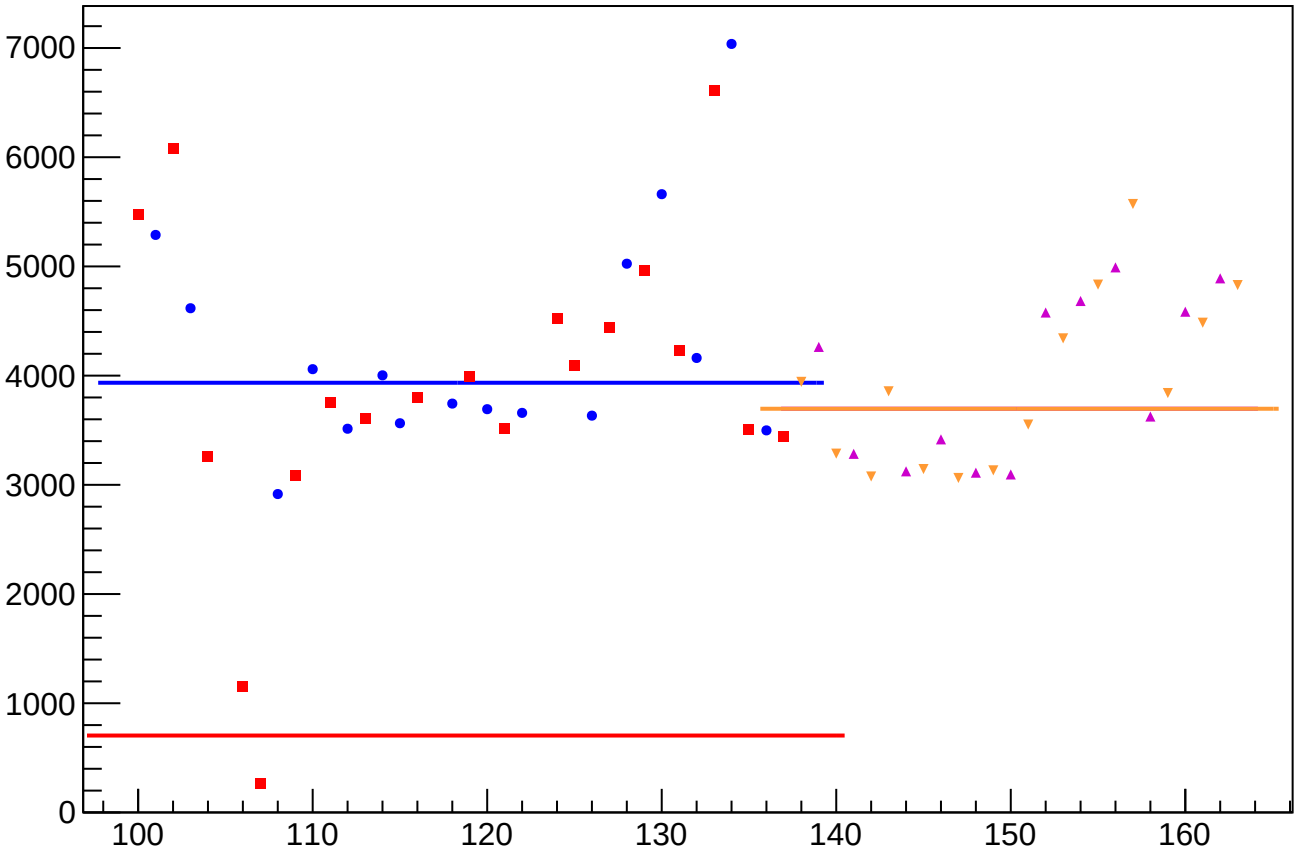
Left: -558.078+/-812.895 χ^2/NDF: 25.2/25

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: -30.150+/-923.583 χ^2/NDF:22.1/27

Out: -0.864+/-461.530 χ^2/NDF:35.9/32

All: -6.716+/-412.851 χ^2/NDF: 58.0/60



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3696.681+/-0.799 χ^2/NDF:701283.6/13

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3696.904+/-0.828 χ^2/NDF:665443.9/11

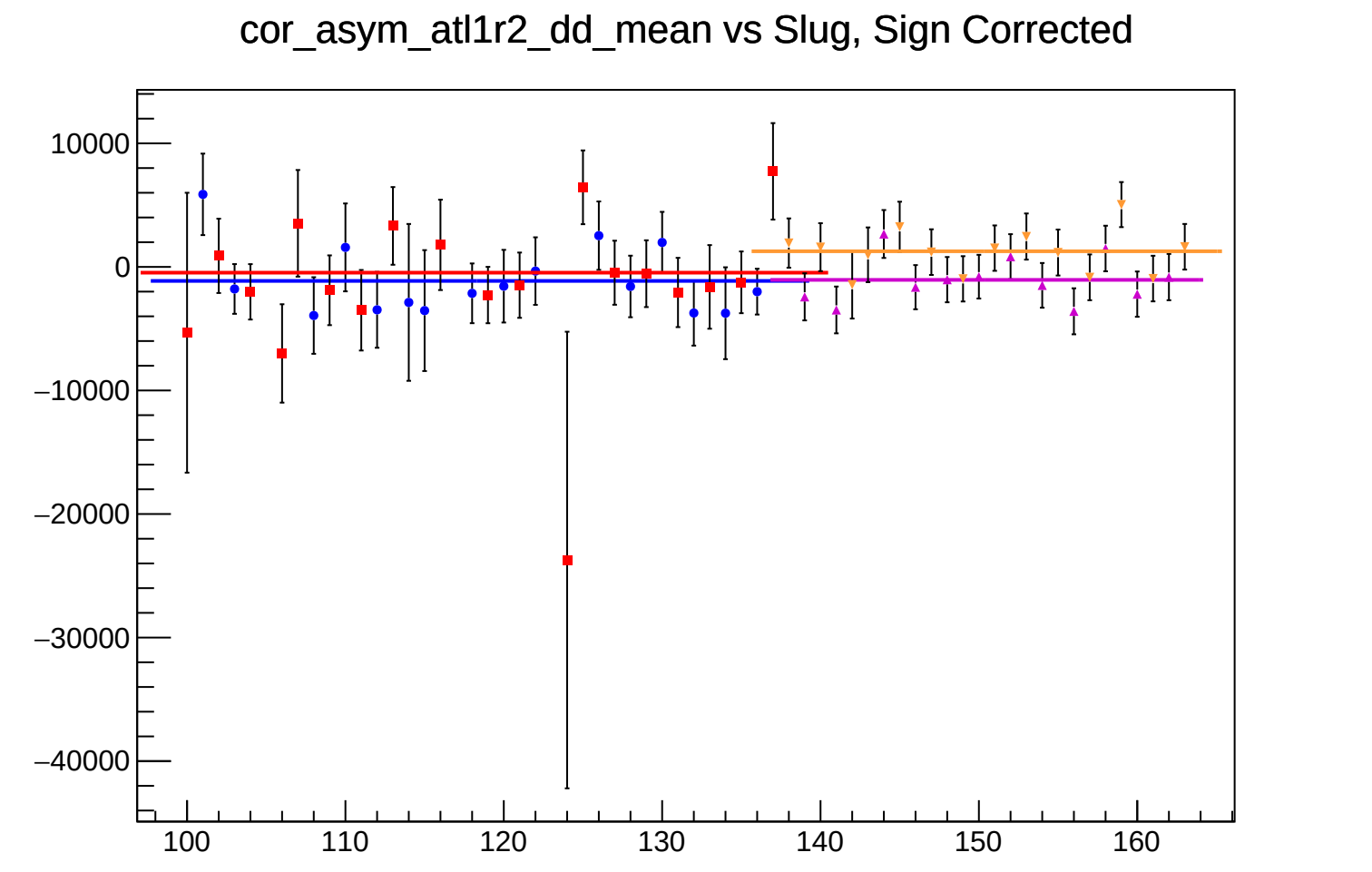
Left: 3696.788+/-0.575 χ^2/NDF: 1366727.5/25

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3786.807+/-0.653 χ^2/NDF:1256747.9/27

Out: 1204.214+/-0.326 χ^2/NDF:23017126.3/32

All: 1720.264+/-0.292 χ^2/NDF: 36787358.7/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1050.149+/-532.756 χ^2/NDF:11.3/11

Left: 142.221+/-371.107 χ^2/NDF: 32.0/25

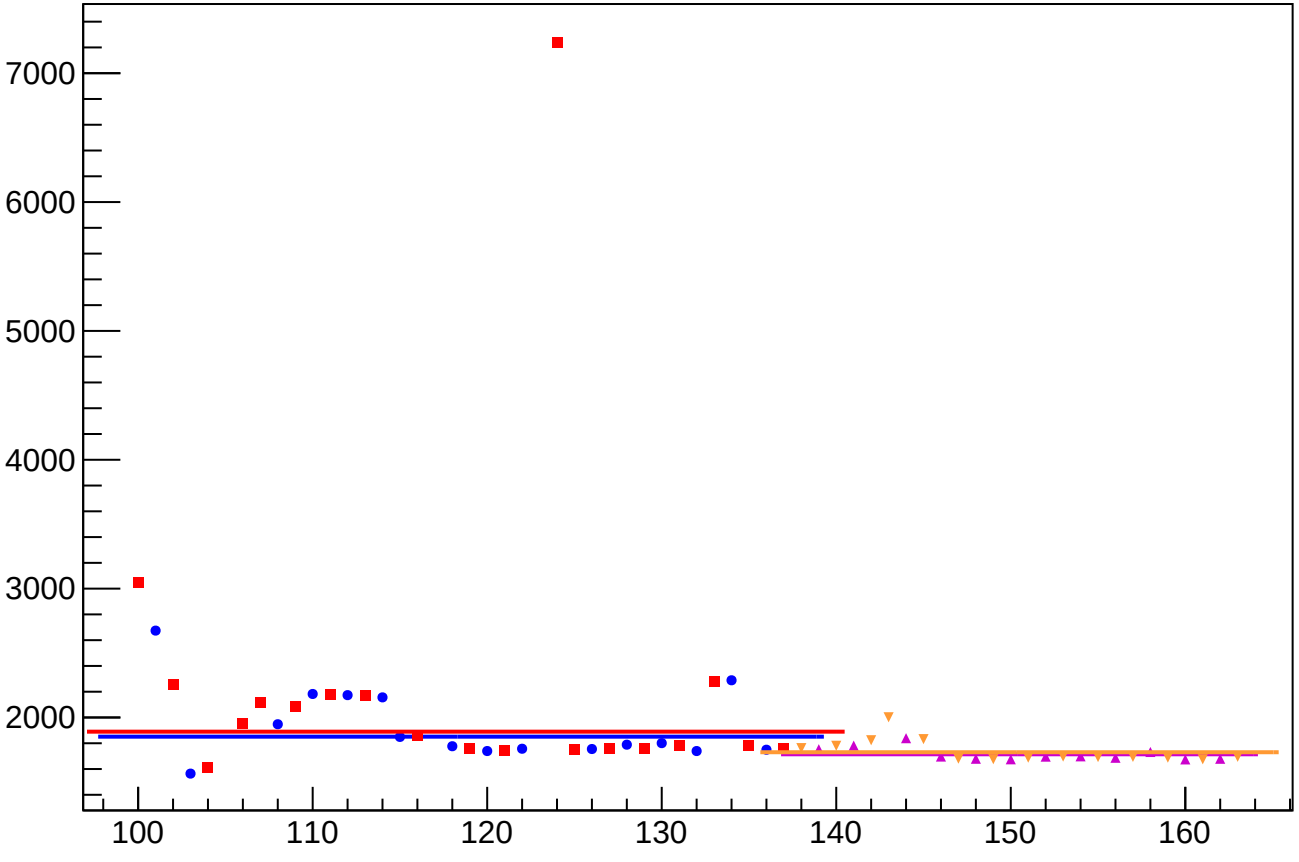
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1081.328+/-422.546 χ^2/NDF:23.5/27

Out: 661.099+/-417.227 χ^2/NDF:35.0/32

All: -199.078+/-296.887 χ^2/NDF: 67.1/60

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1714.425+/-0.377 χ^2/NDF:16156.4/11

Left: 1722.606+/-0.262 χ^2/NDF: 66249.8/25

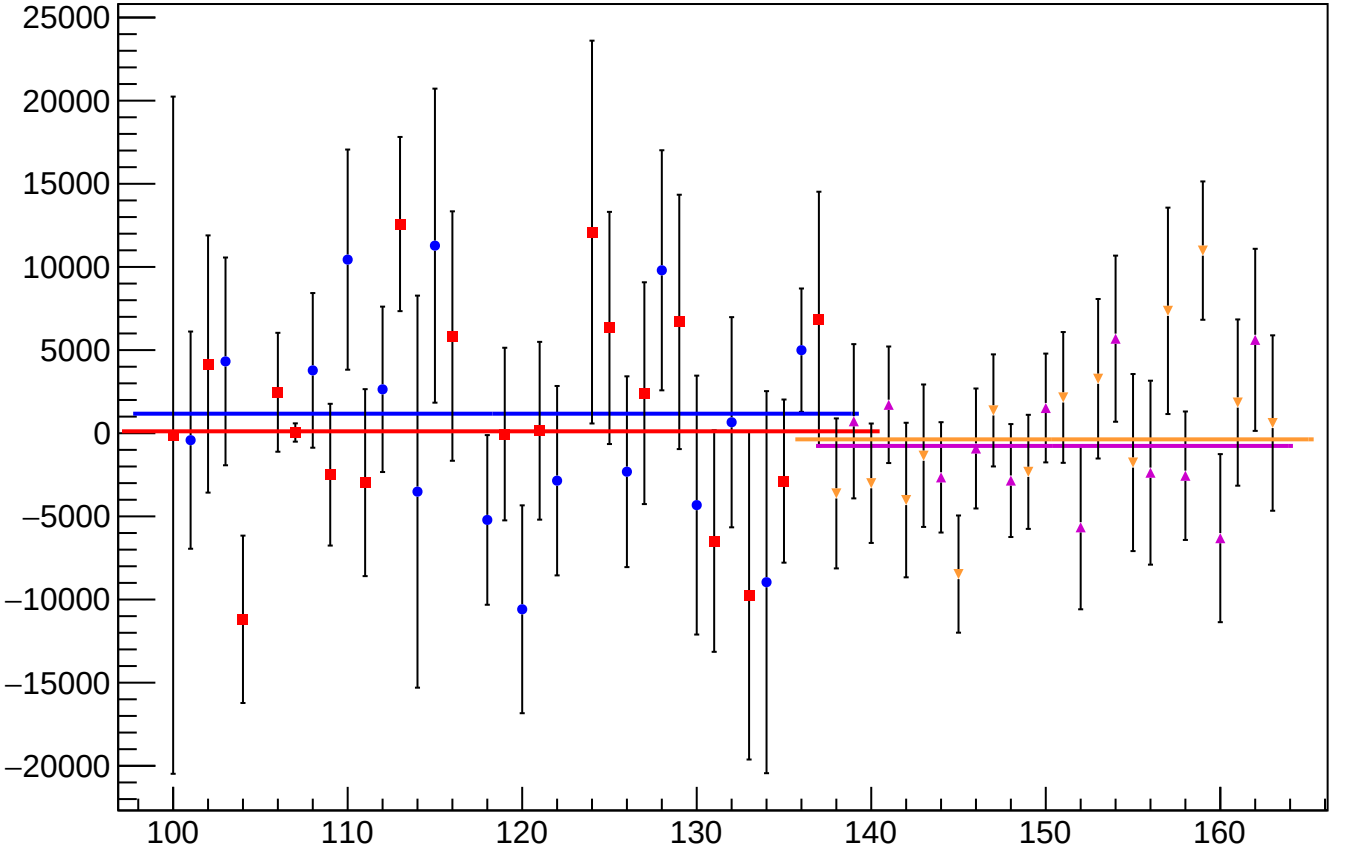
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1765.134+/-0.299 χ^2/NDF:324985.5/27

Out: 1786.245+/-0.295 χ^2/NDF:475056.3/32

All: 1775.831+/-0.210 χ^2/NDF: 802571.4/60

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -367.616+/-1129.249 χ^2/NDF:17.9/13

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -762.910+/-1171.103 χ^2/NDF:7.3/11

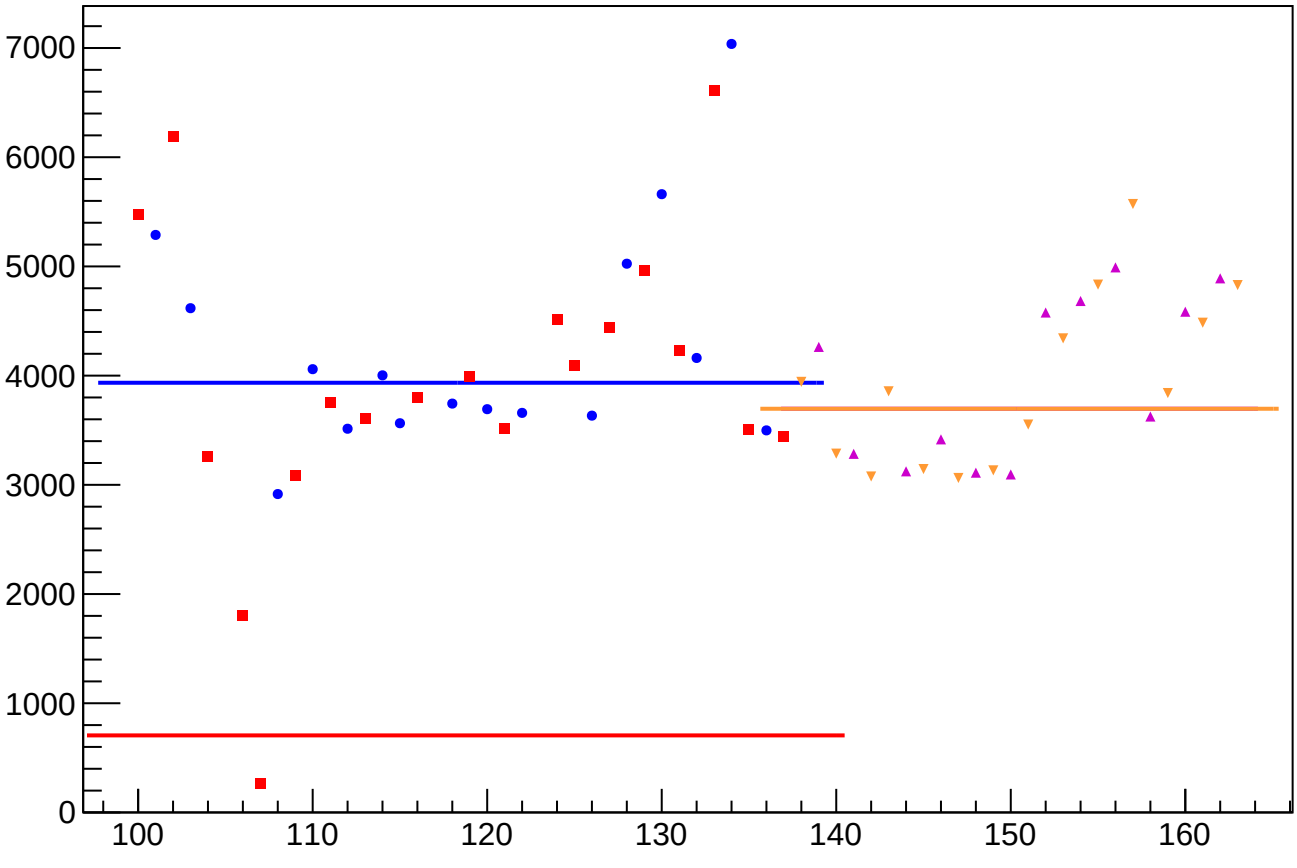
Left: -558.073+/-812.893 χ^2/NDF: 25.2/25

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -30.151+/-923.585 χ^2/NDF:22.1/27

Out: 33.389+/-466.527 χ^2/NDF:36.6/32

All: 20.472+/-416.417 χ^2/NDF: 58.7/60



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3696.905+/-0.828 χ^2/NDF:665432.3/11

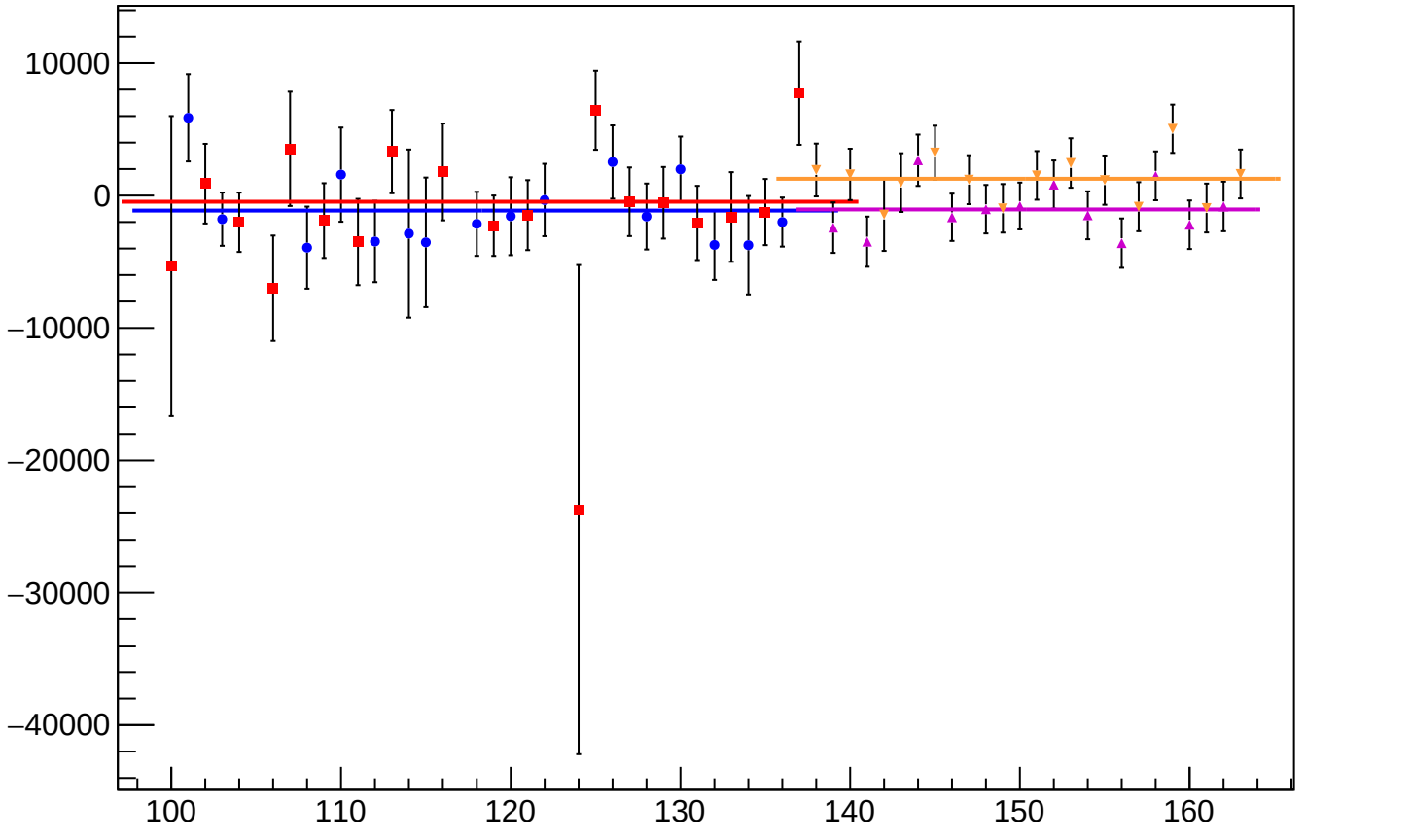
Left: 3696.783+/-0.575 χ^2/NDF: 1366721.1/25

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3786.811+/-0.653 χ^2/NDF:1256762.5/27

Out: 1216.123+/-0.330 χ^2/NDF:23084973.0/32

All: 1738.703+/-0.294 χ^2/NDF: 36686378.9/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1266.134+/-517.237 χ^2/NDF:11.0/13

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -1050.149+/-532.756 χ^2/NDF:11.3/11

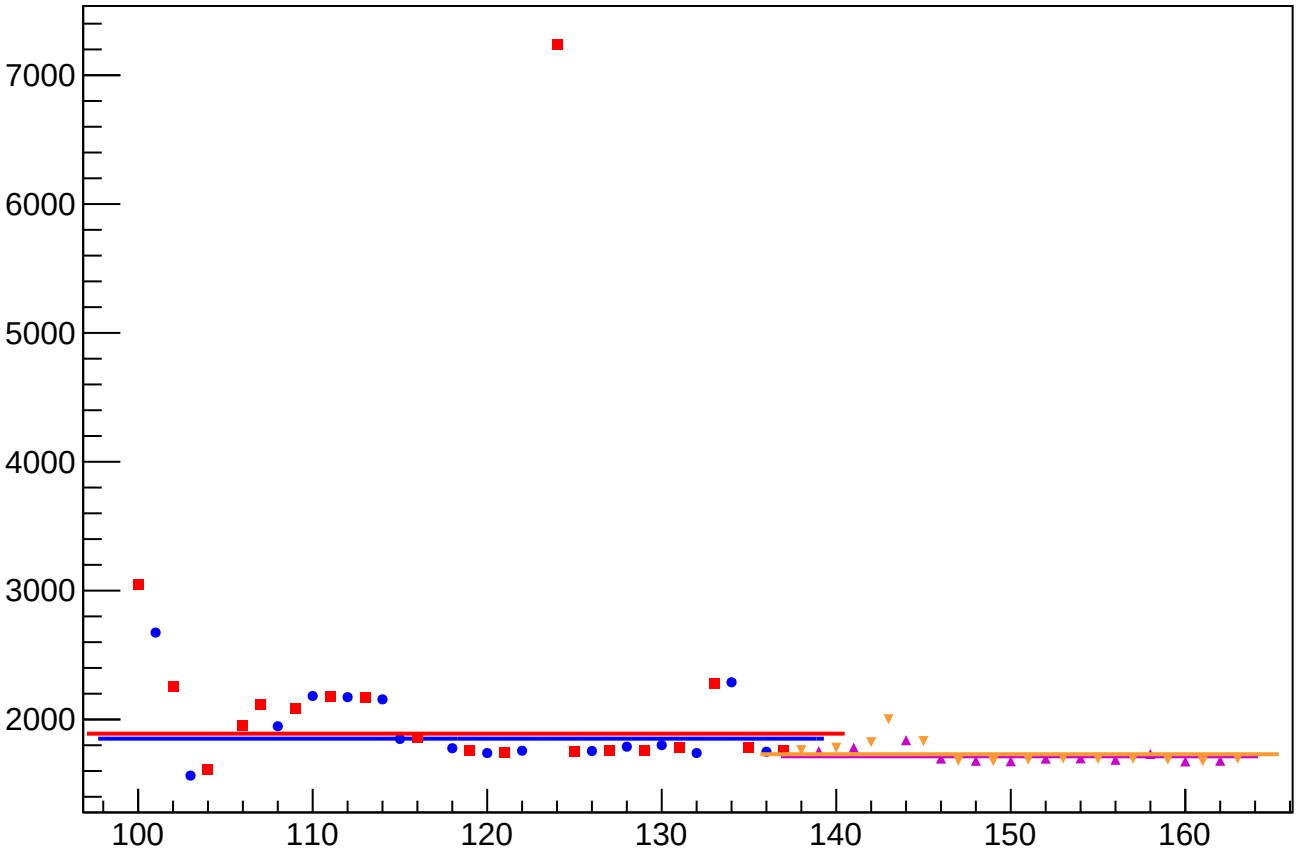
Left: 142.221+/-371.107 χ^2/NDF: 32.0/25

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1081.328+/-422.546 χ^2/NDF:23.5/27

Out: 661.099+/-417.227 χ^2/NDF:35.0/32

All: -199.078+/-296.887 χ^2/NDF: 67.1/60



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1730.318+/-0.366 χ^2/NDF:49177.2/13

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1714.425+/-0.377 χ^2/NDF:16156.4/11

Left: 1722.606+/-0.262 χ^2/NDF: 66249.8/25

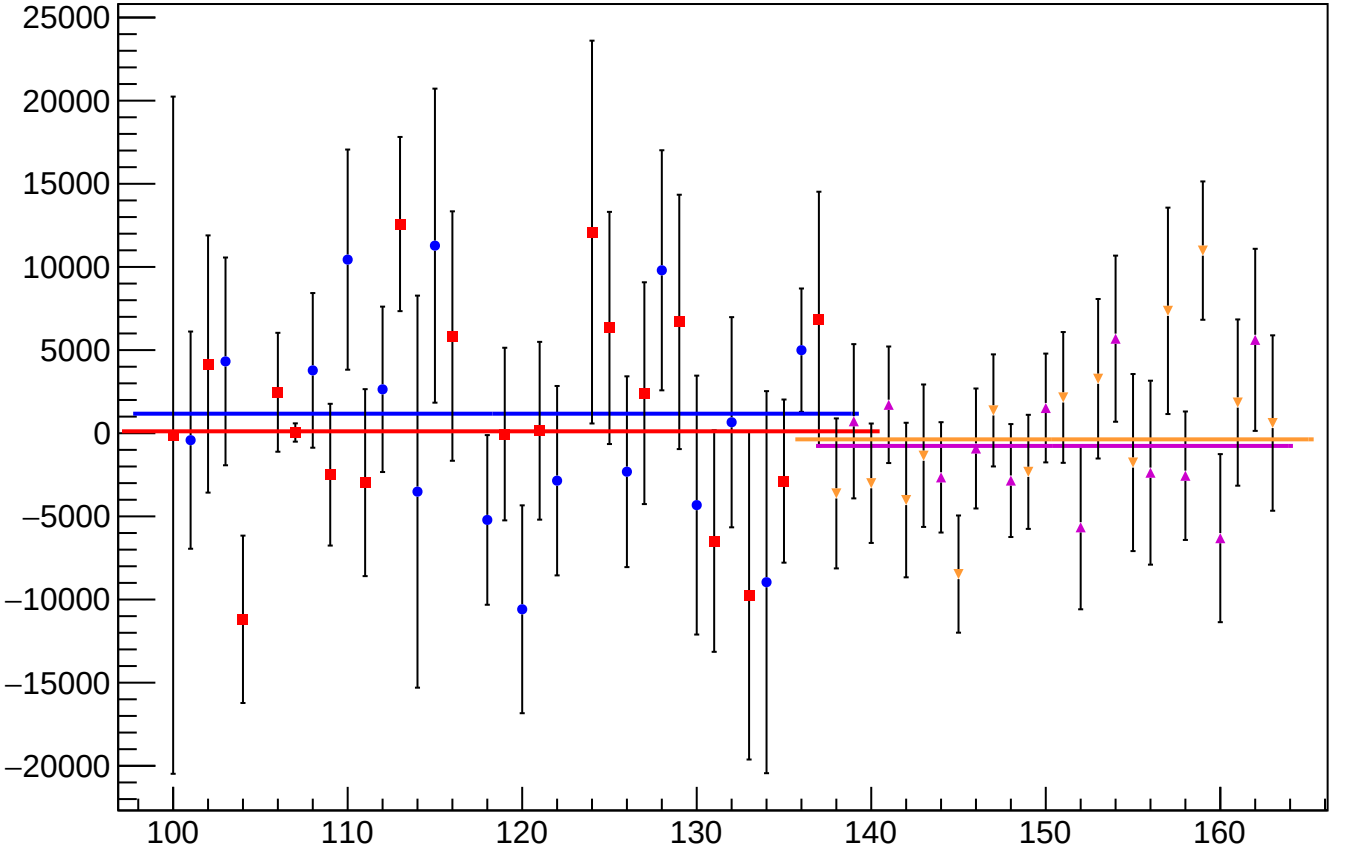
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1765.134+/-0.299 χ^2/NDF:324985.5/27

Out: 1786.245+/-0.295 χ^2/NDF:475056.3/32

All: 1775.831+/-0.210 χ^2/NDF: 802571.4/60

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -367.616+/-1129.249 χ^2/NDF:17.9/13

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -762.910+/-1171.103 χ^2/NDF:7.3/11

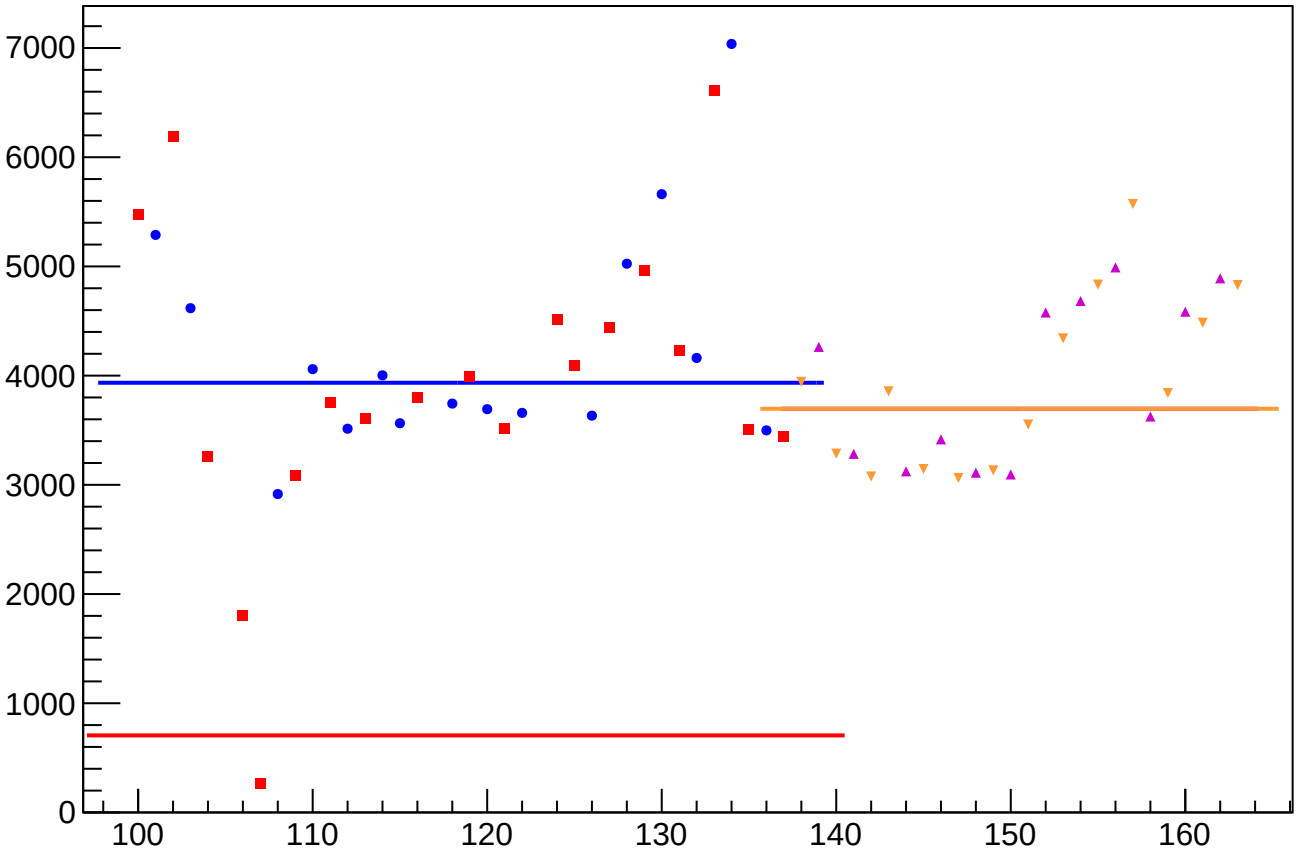
Left: -558.073+/-812.893 χ^2/NDF: 25.2/25

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -30.151+/-923.585 χ^2/NDF:22.1/27

Out: 33.389+/-466.527 χ^2/NDF:36.6/32

All: 20.472+/-416.417 χ^2/NDF: 58.7/60



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3696.670+/-0.798 χ^2/NDF:701288.7/13

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3696.905+/-0.828 χ^2/NDF:665432.3/11

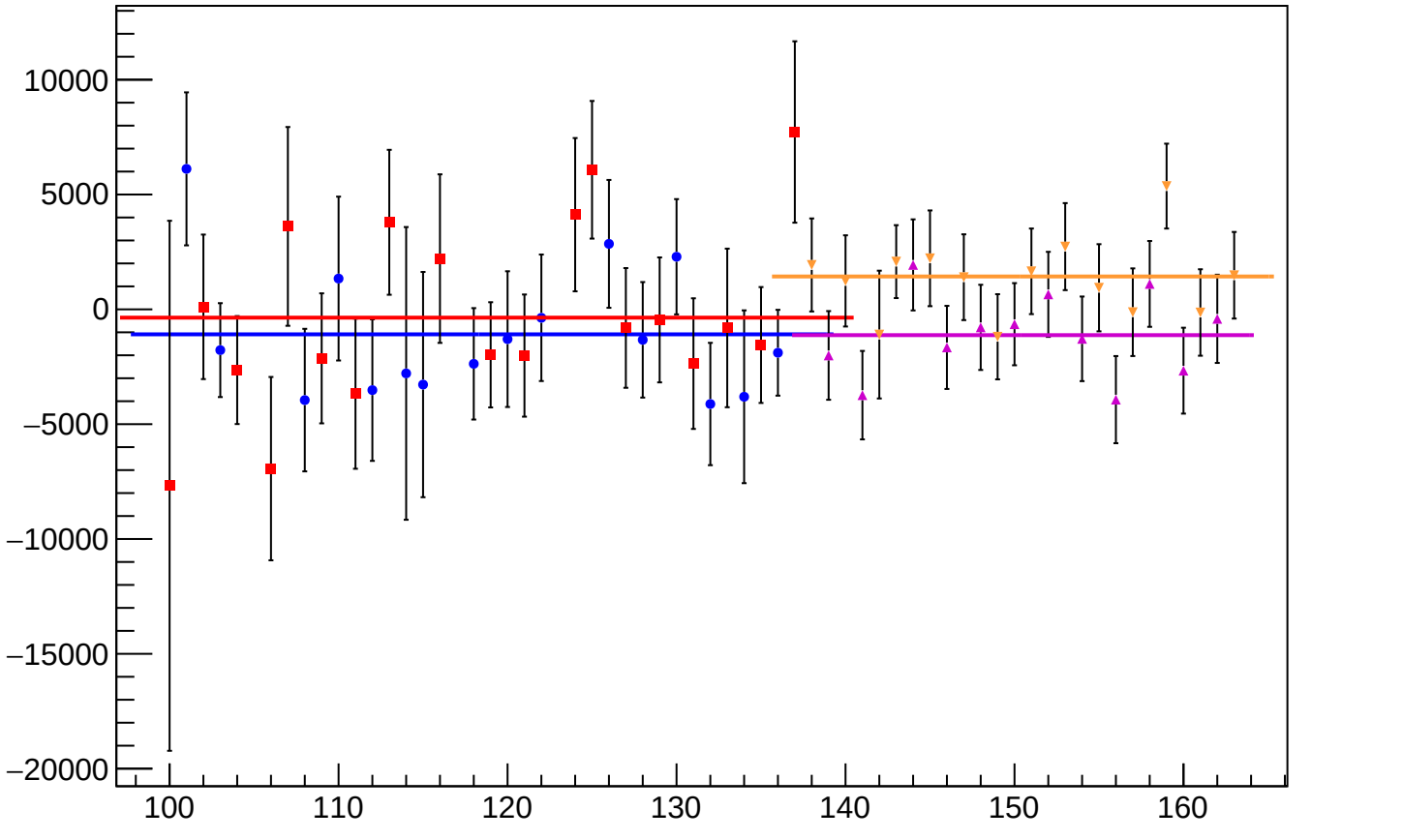
Left: 3696.783+/-0.575 χ^2/NDF: 1366721.1/25

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3786.811+/-0.653 χ^2/NDF:1256762.5/27

Out: 1216.123+/-0.330 χ^2/NDF:23084973.0/32

All: 1738.703+/-0.294 χ^2/NDF: 36686378.9/6



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1431.496+/-512.593 χ^2/NDF:9.7/13

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -1123.190+/-541.684 χ^2/NDF:10.0/11

Left: 224.590+/-372.318 χ^2/NDF: 31.4/25

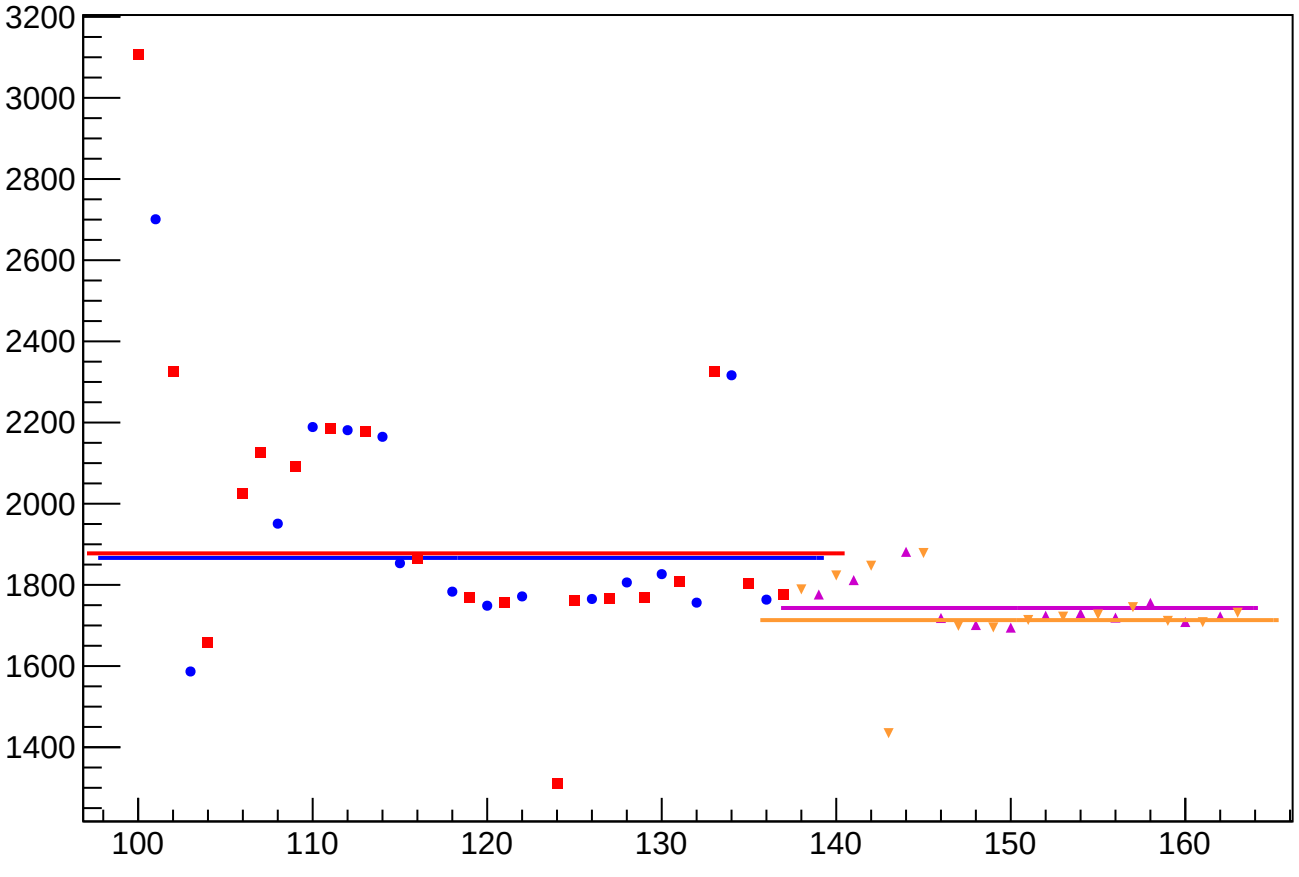
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1109.899+/-428.300 χ^2/NDF:23.2/27

Out: 805.350+/-413.497 χ^2/NDF:34.8/32

All: -118.605+/-297.482 χ^2/NDF: 68.3/60

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1713.201+/-0.362 χ^2/NDF:88919.8/13

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1743.075+/-0.383 χ^2/NDF:17366.5/11

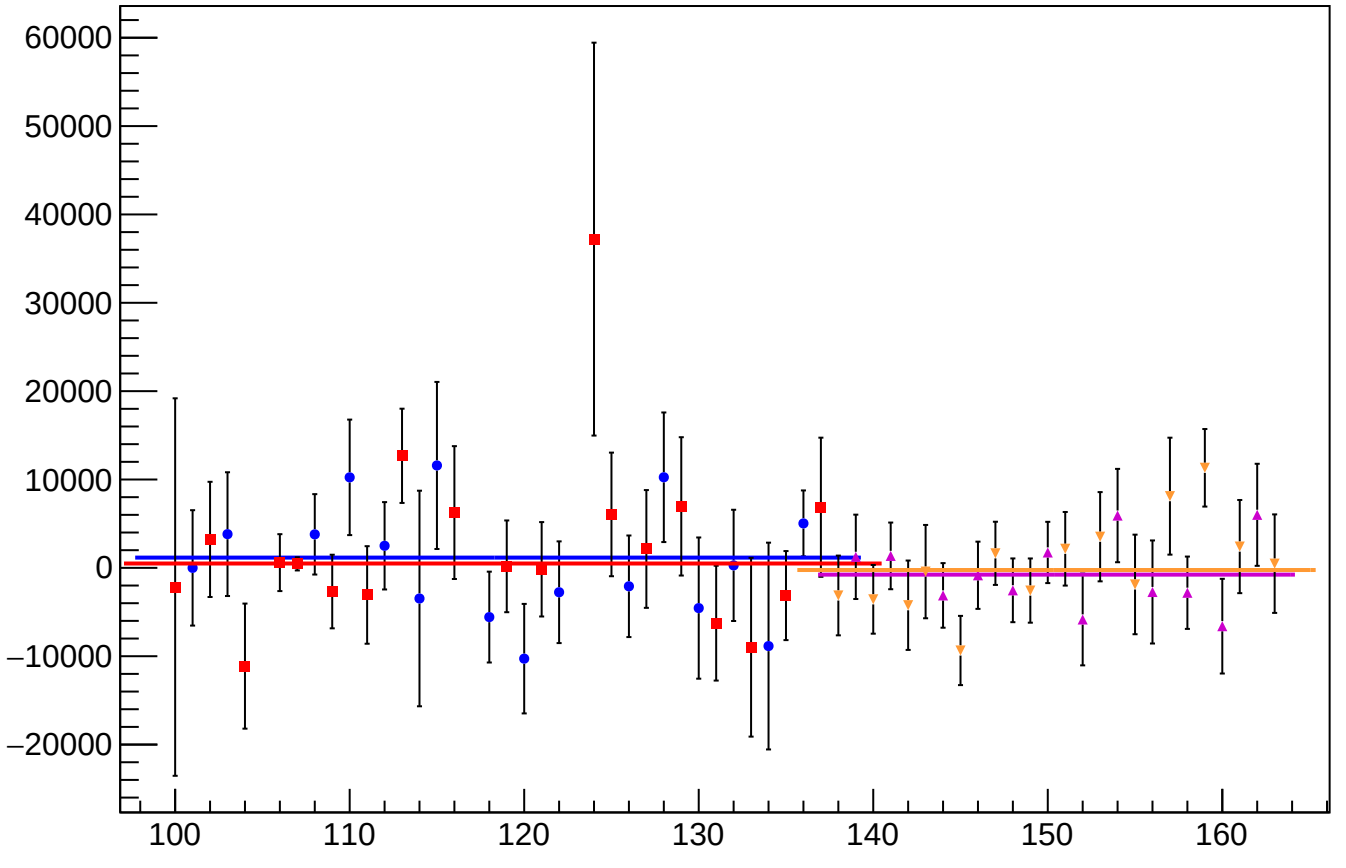
Left: 1727.314+/-0.263 χ^2/NDF: 109495.4/25

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1789.320+/-0.303 χ^2/NDF:312520.8/27

Out: 1770.704+/-0.292 χ^2/NDF:412752.1/32

All: 1779.682+/-0.210 χ^2/NDF: 727229.1/60



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -243.564+/-1212.208 χ^2/NDF:17.6/13

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -765.706+/-1245.314 χ^2/NDF:7.2/11

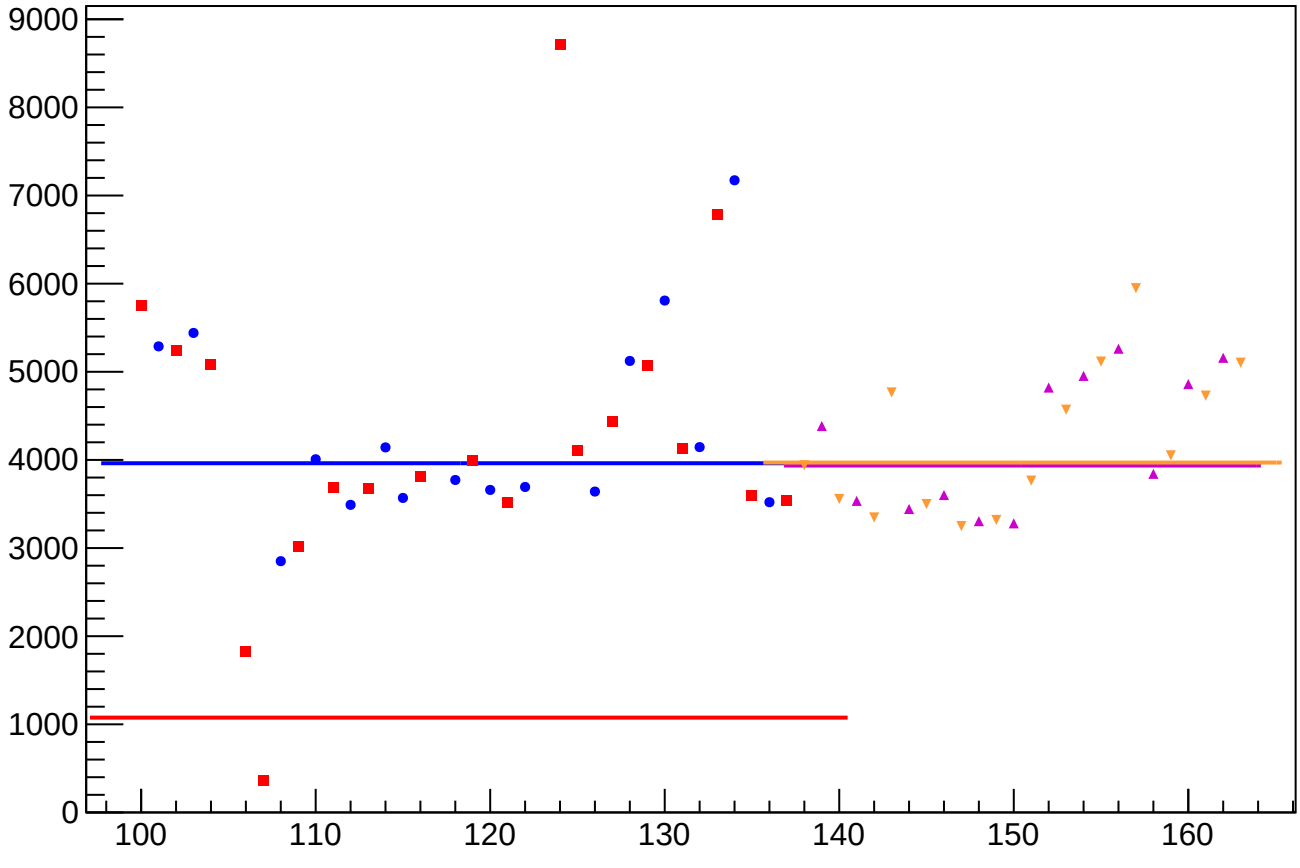
Left: -497.602+/-868.629 χ^2/NDF: 24.9/25

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 12.936+/-961.310 χ^2/NDF:21.8/27

Out: 325.095+/-578.643 χ^2/NDF:34.9/32

All: 242.074+/-495.759 χ^2/NDF: 56.7/60



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3970.151+/-0.857 χ^2/NDF:692160.9/13

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3936.203+/-0.881 χ^2/NDF:610531.1/11

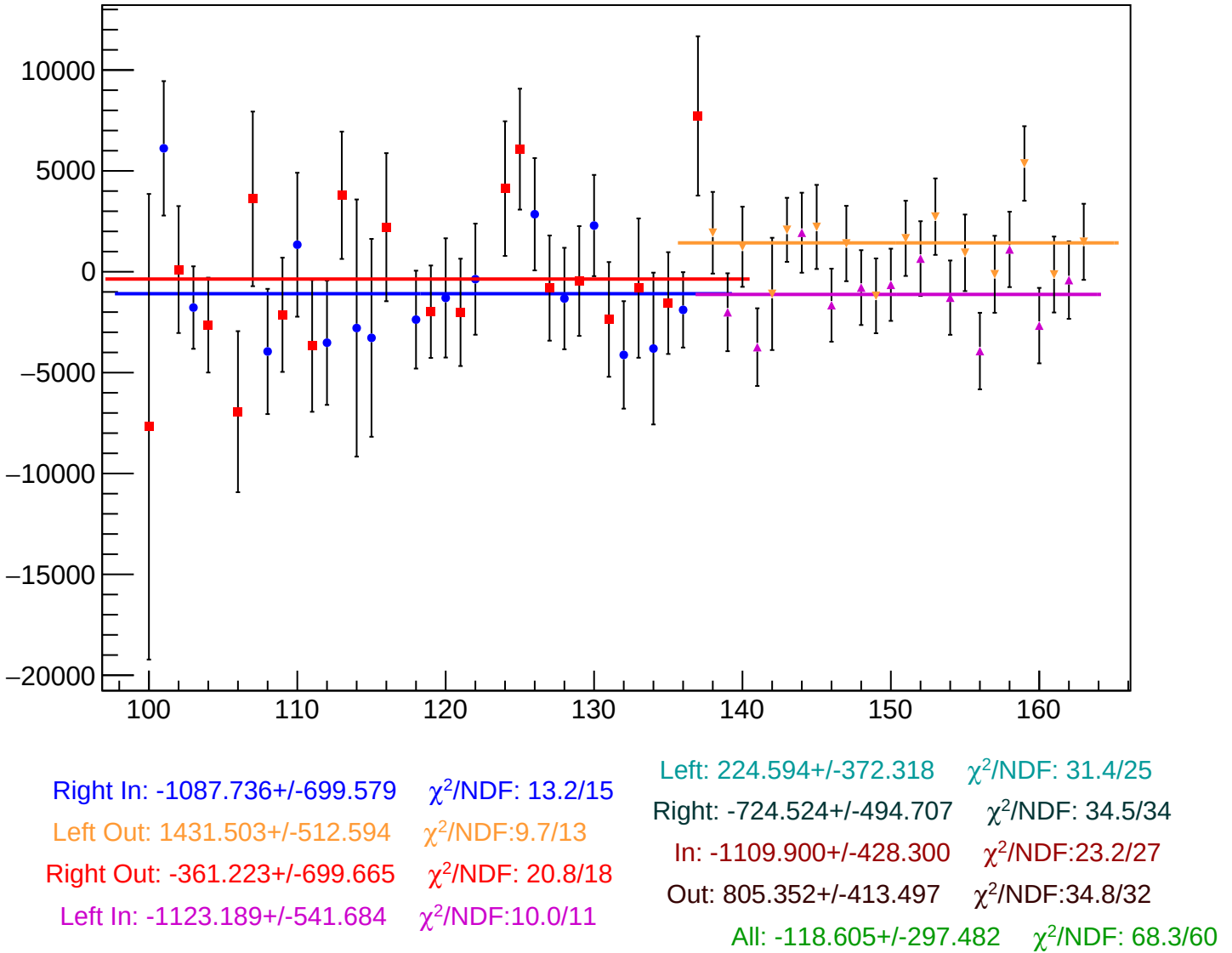
Left: 3953.635+/-0.614 χ^2/NDF: 1303455.2/25

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

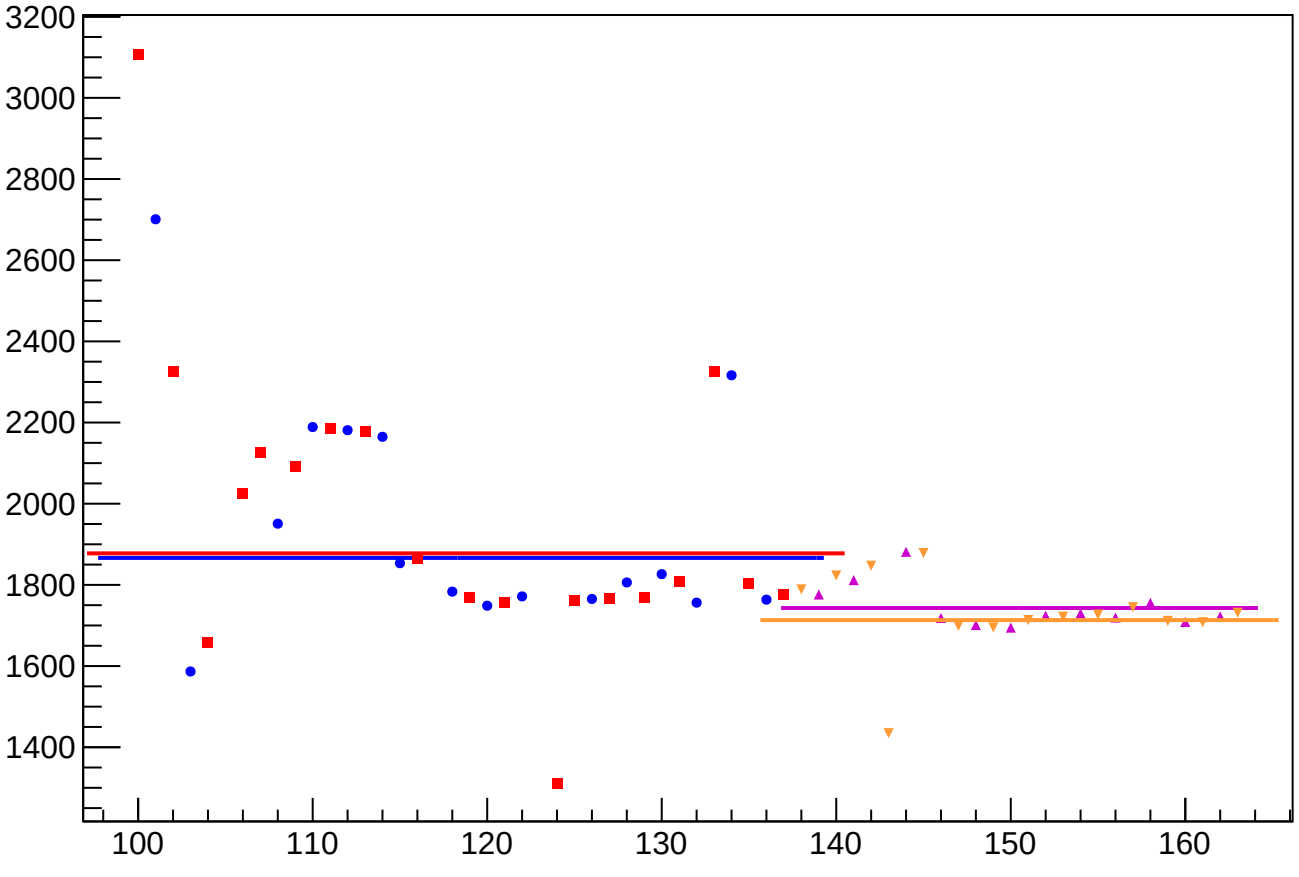
In: 3946.777+/-0.680 χ^2/NDF:1279227.4/27

Out: 1735.427+/-0.409 χ^2/NDF:19053467.3/32

All: 2323.555+/-0.351 χ^2/NDF: 28101207.2/6


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 1431.503+/-512.594 χ²/NDF:9.7/13
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -1123.189+/-541.684 χ²/NDF:10.0/11
Left: 224.594+/-372.318 χ²/NDF: 31.4/25
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1109.900+/-428.300 χ²/NDF:23.2/27
Out: 805.352+/-413.497 χ²/NDF:34.8/32
All: -118.605+/-297.482 χ²/NDF: 68.3/60

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1713.202+/-0.362 χ^2/NDF:88918.9/13

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1743.075+/-0.383 χ^2/NDF:17366.3/11

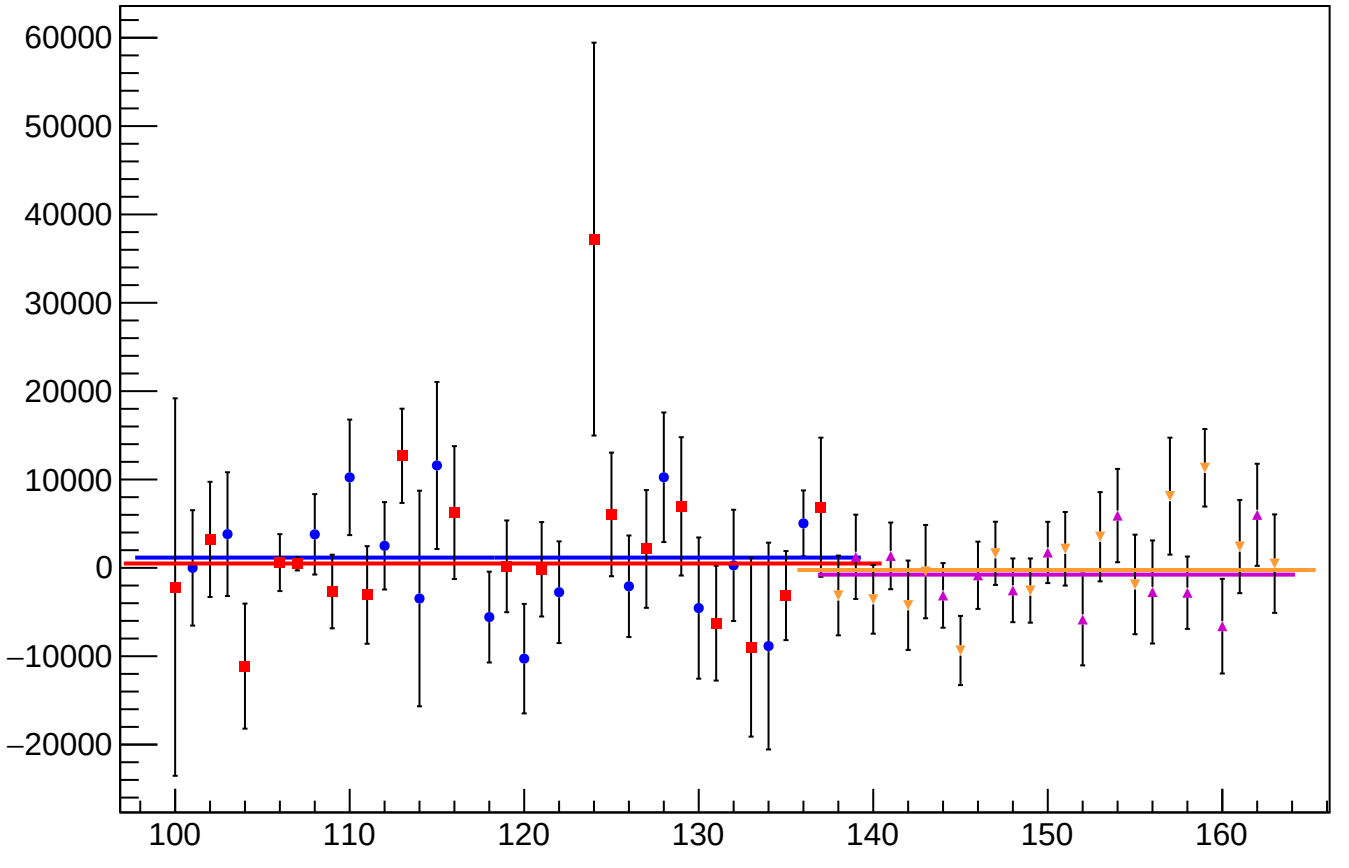
Left: 1727.315+/-0.263 χ^2/NDF: 109494.3/25

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1789.321+/-0.303 χ^2/NDF:312520.0/27

Out: 1770.704+/-0.292 χ^2/NDF:412750.6/32

All: 1779.683+/-0.210 χ^2/NDF: 727226.8/60



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -243.562+/-1212.209 χ^2/NDF:17.6/13

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -765.705+/-1245.315 χ^2/NDF:7.2/11

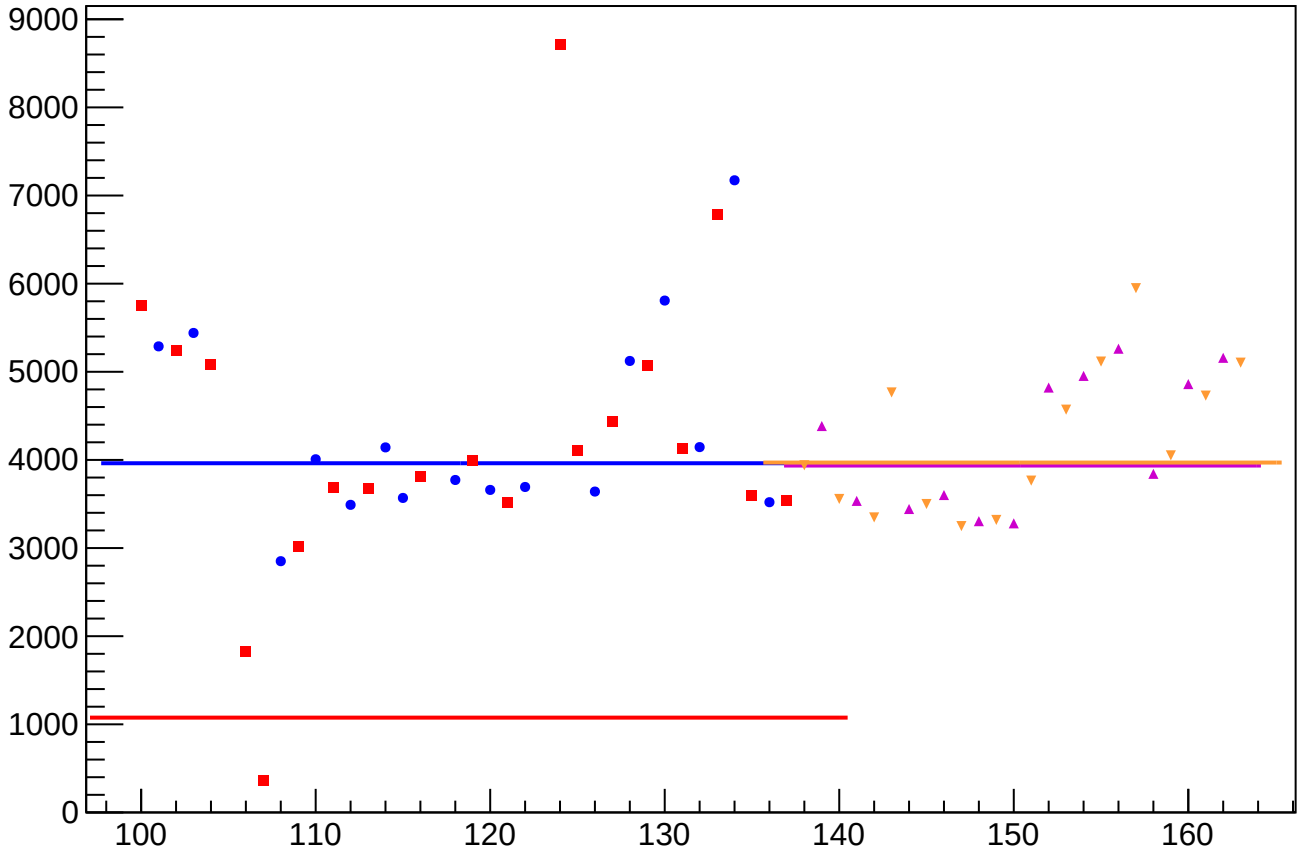
Left: -497.601+/-868.630 χ^2/NDF: 24.9/25

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 12.931+/-961.310 χ^2/NDF:21.8/27

Out: 325.097+/-578.651 χ^2/NDF:34.9/32

All: 242.072+/-495.764 χ^2/NDF: 56.7/60



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3970.156+/-0.857 χ^2/NDF:692160.7/13

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3936.209+/-0.881 χ^2/NDF:610530.5/11

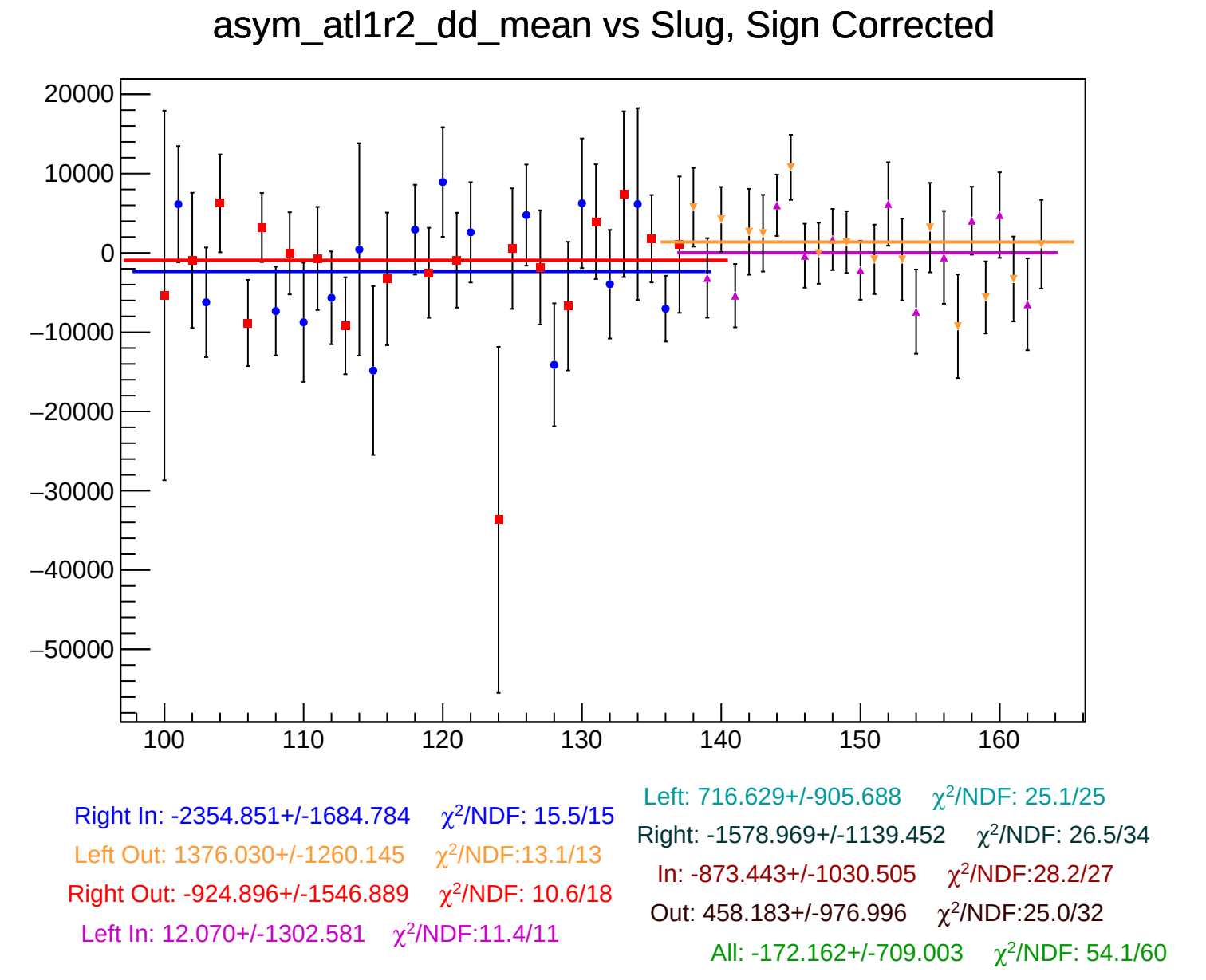
Left: 3953.640+/-0.614 χ^2/NDF: 1303454.3/25

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

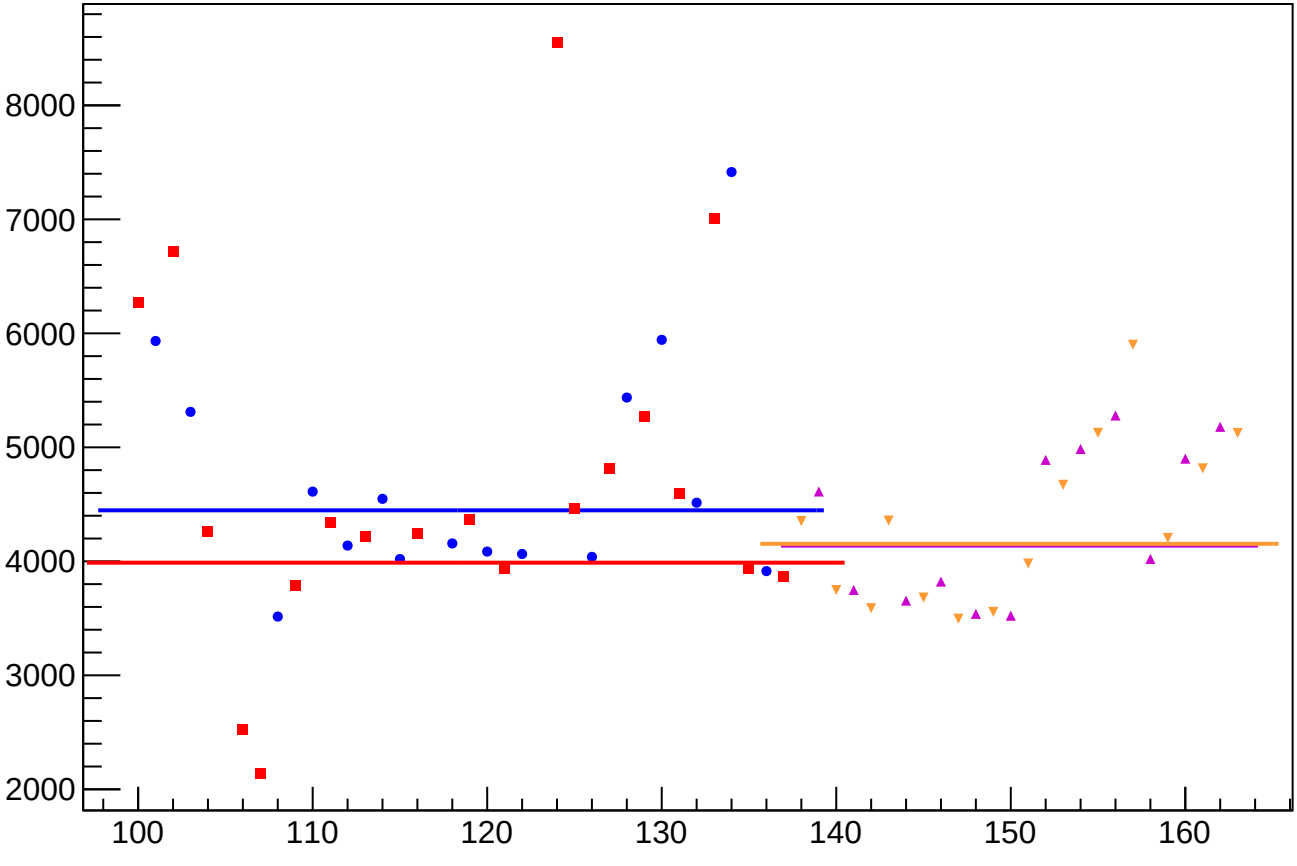
In: 3946.777+/-0.680 χ^2/NDF:1279222.8/27

Out: 1735.467+/-0.409 χ^2/NDF:19053097.3/32

All: 2323.596+/-0.351 χ^2/NDF: 28100499.1/6


asym_atl1r2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: -2354.851+/-1684.784 χ²/NDF: 15.5/15
Left Out: 1376.030+/-1260.145 χ²/NDF:13.1/13
Right Out: -924.896+/-1546.889 χ²/NDF: 10.6/18
Left In: 12.070+/-1302.581 χ²/NDF:11.4/11
Left: 716.629+/-905.688 χ²/NDF: 25.1/25
Right: -1578.969+/-1139.452 χ²/NDF: 26.5/34
In: -873.443+/-1030.505 χ²/NDF:28.2/27
Out: 458.183+/-976.996 χ²/NDF:25.0/32
All: -172.162+/-709.003 χ²/NDF: 54.1/60

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4153.594+/-0.891 χ^2/NDF:496763.4/13

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4137.723+/-0.921 χ^2/NDF:456986.1/11

Left: 4145.921+/-0.640 χ^2/NDF: 953902.9/25

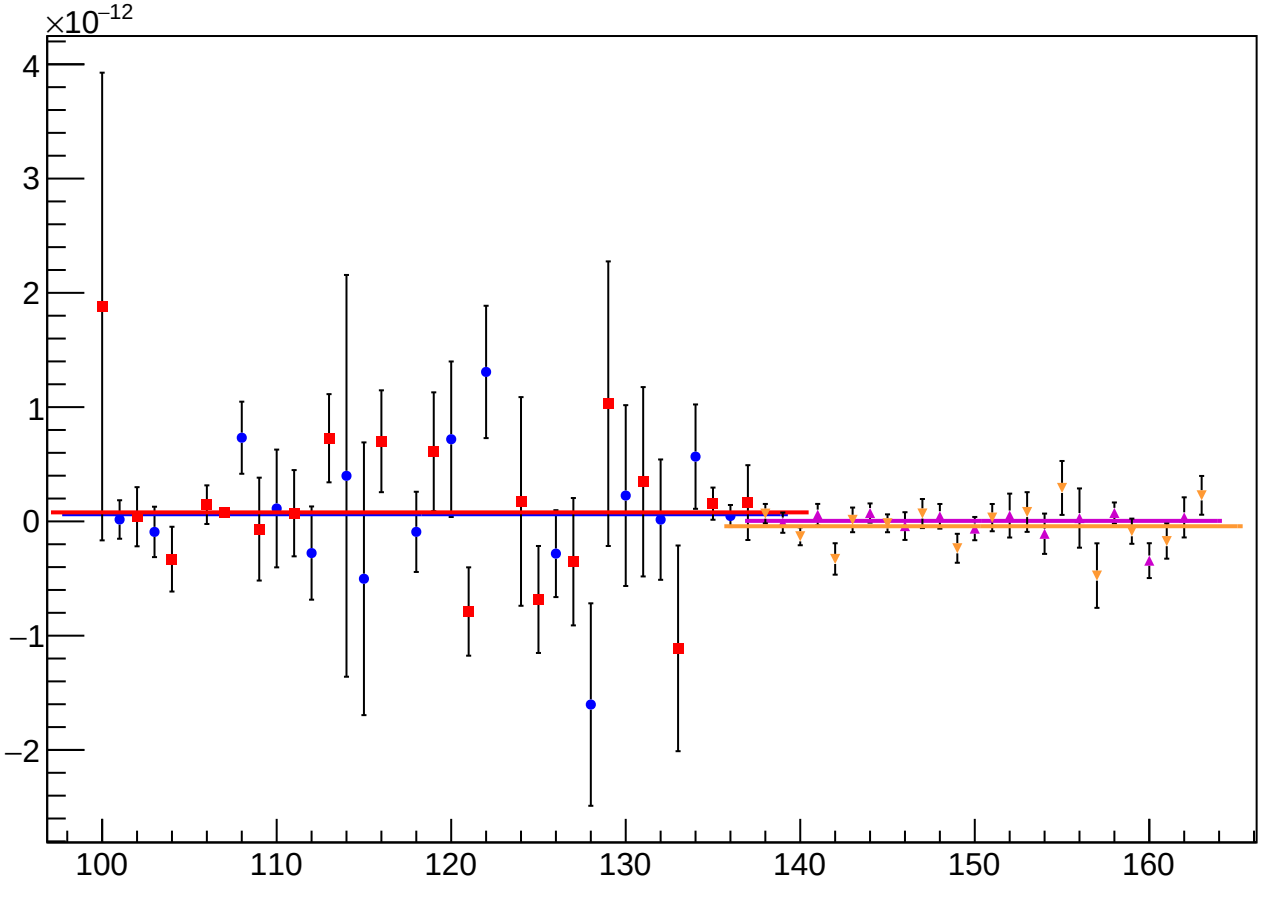
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4253.589+/-0.729 χ^2/NDF:957534.9/27

Out: 4086.845+/-0.688 χ^2/NDF:1654596.0/32

All: 4165.443+/-0.500 χ^2/NDF: 2639811.6/60

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/11

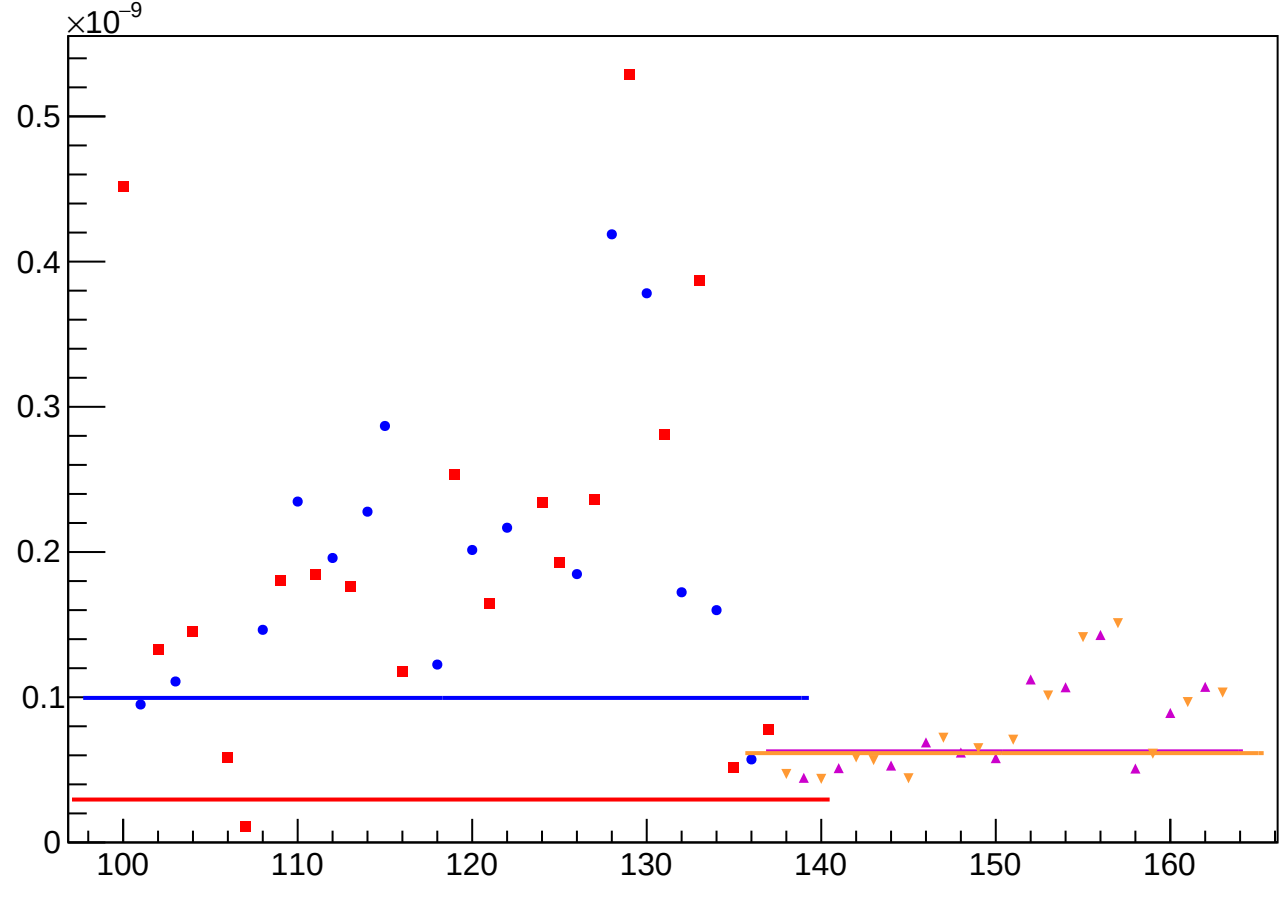
Left: -0.000+/-0.000 χ^2/NDF: 28.5/25

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:26.1/27

Out: 0.000+/-0.000 χ^2/NDF:46.6/32

All: 0.000+/-0.000 χ^2/NDF: 72.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1050272.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:822327.2/11

Left: 0.000+/-0.000 χ^2/NDF: 1874039.9/25

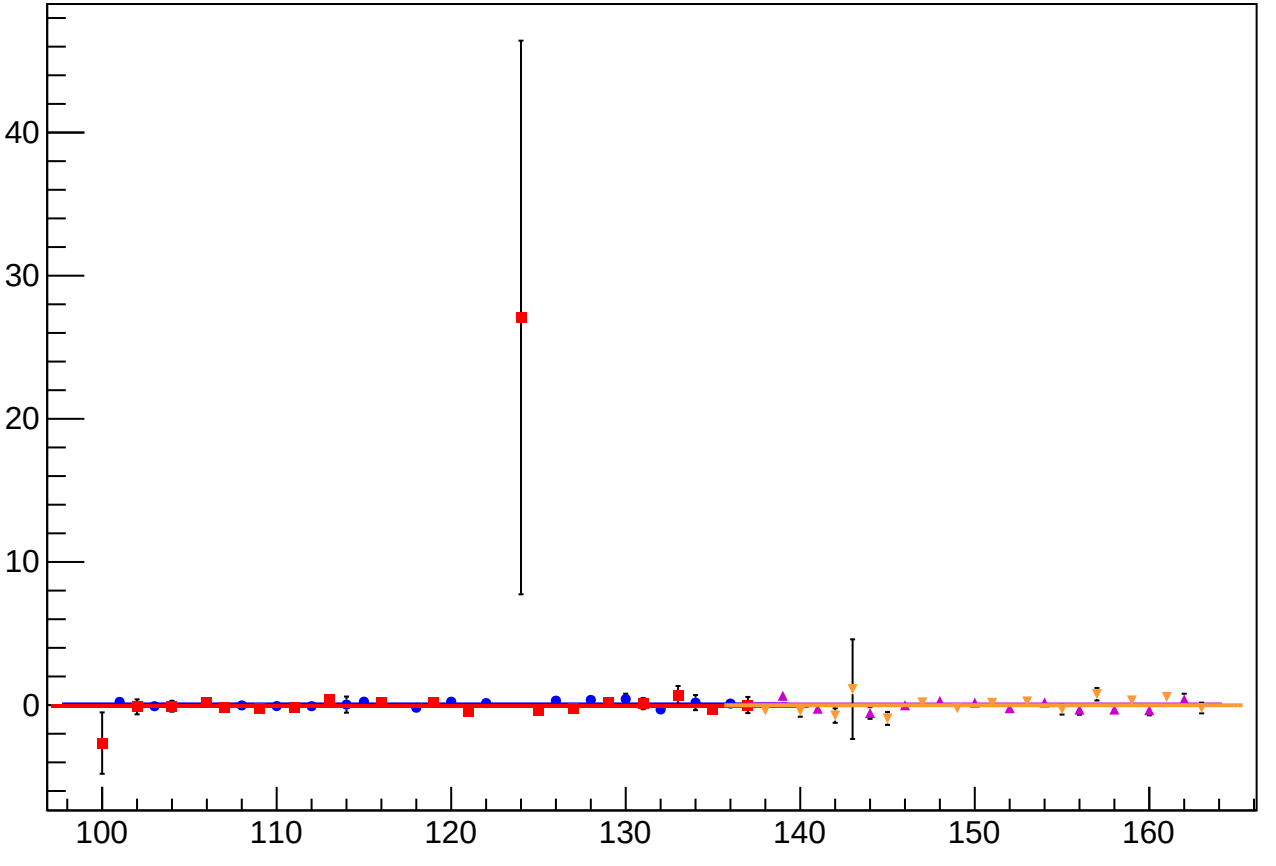
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2856611.3/27

Out: 0.000+/-0.000 χ^2/NDF:6393259.7/32

All: 0.000+/-0.000 χ^2/NDF: 10018912.0/60

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.041+/-0.090 χ^2/NDF:15.5/11

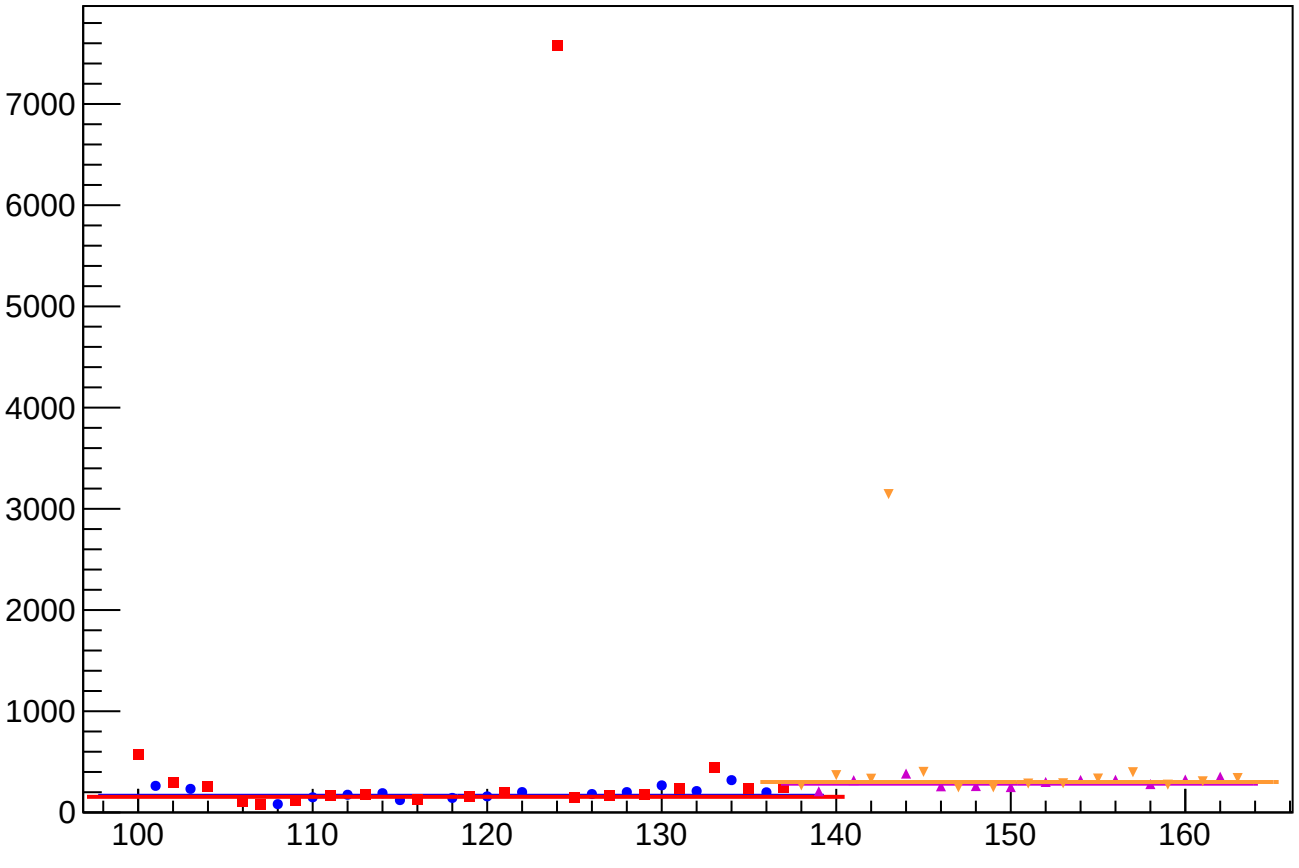
Left: 0.016+/-0.065 χ^2/NDF: 34.4/25

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.046+/-0.054 χ^2/NDF:23.1/27

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.000+/-0.038 χ^2/NDF: 61.9/60



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.889+/-0.067 χ^2/NDF:1832729.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 284.217+/-0.064 χ^2/NDF:537760.7/11

Left: 292.177+/-0.046 χ^2/NDF: 2402981.7/25

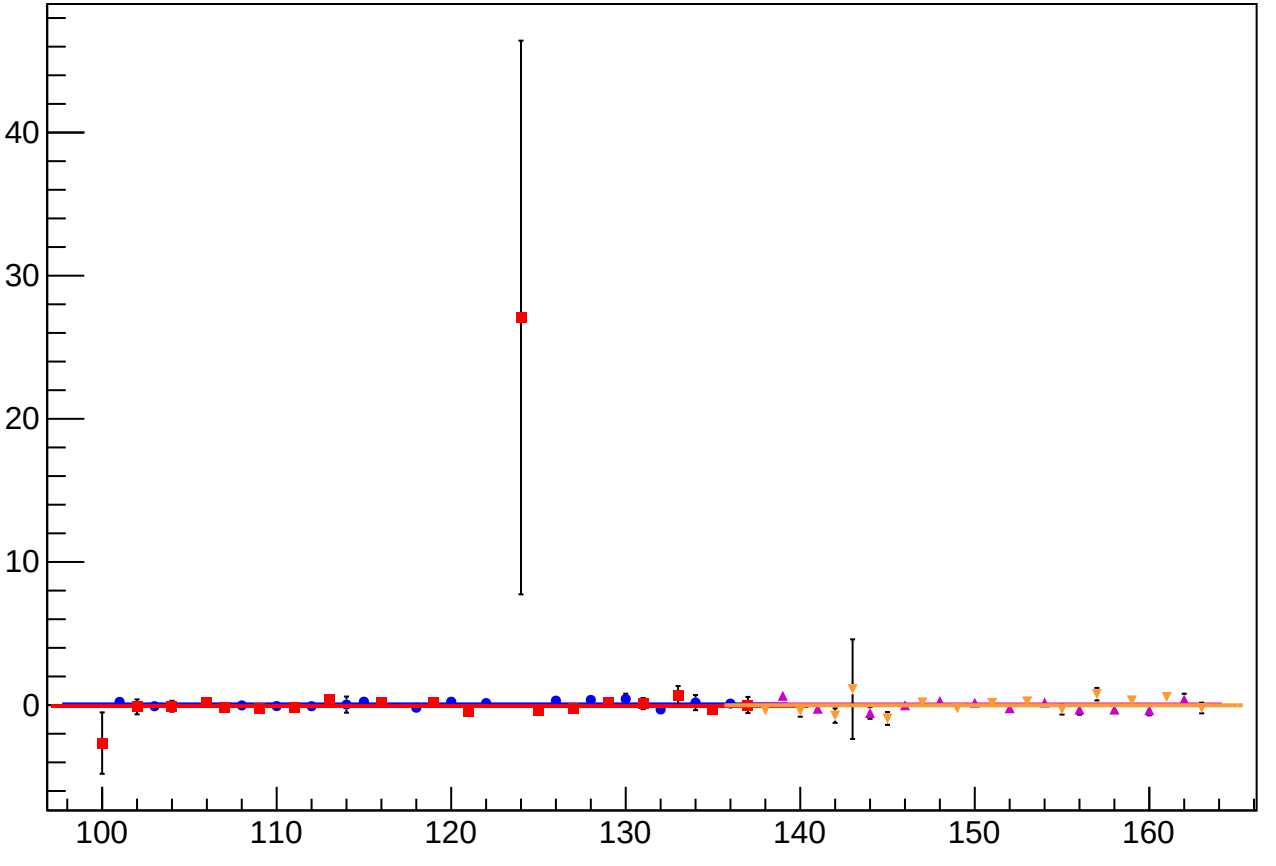
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.710+/-0.038 χ^2/NDF:4277748.9/27

Out: 200.815+/-0.038 χ^2/NDF:7033677.4/32

All: 203.747+/-0.027 χ^2/NDF: 11323624.8/60

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.041+/-0.090 χ^2/NDF:15.5/11

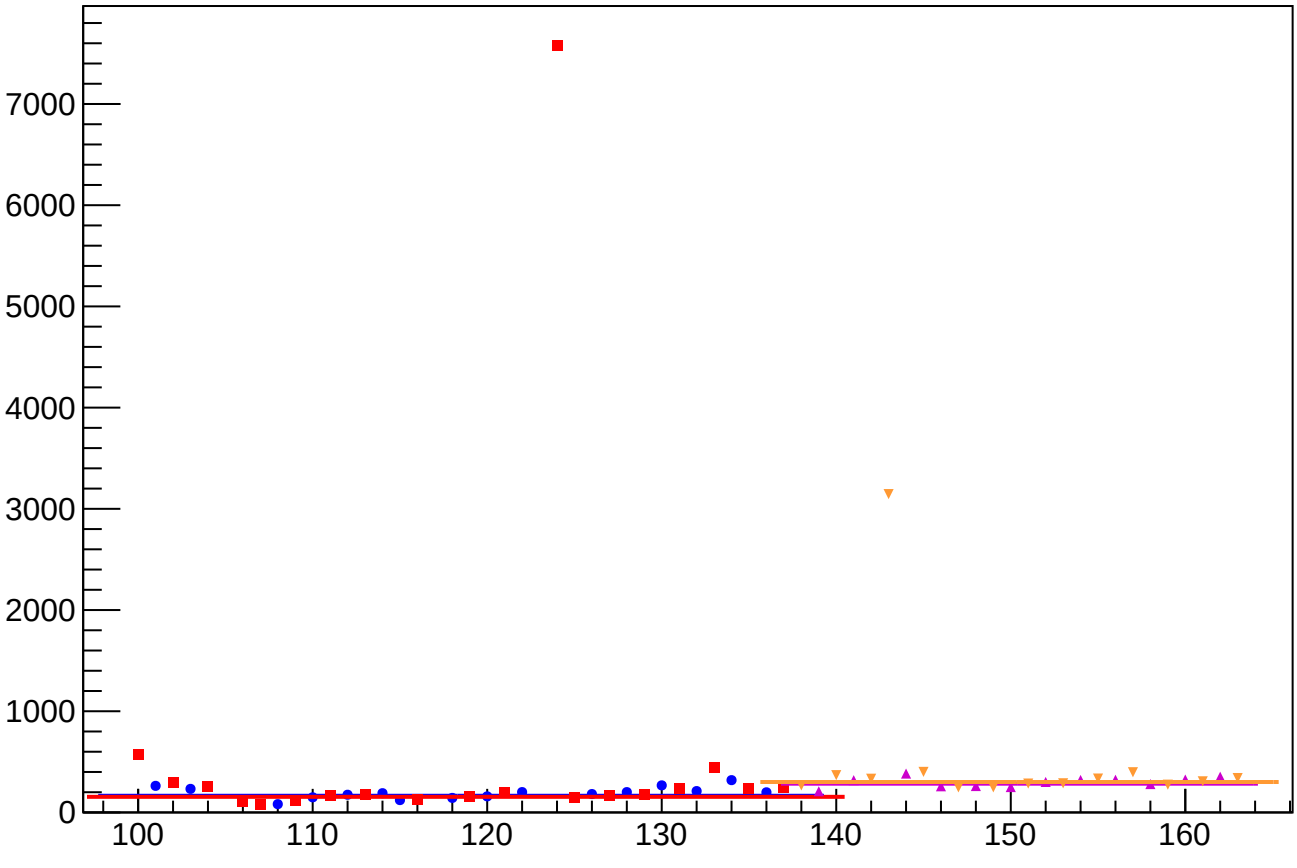
Left: 0.016+/-0.065 χ^2/NDF: 34.4/25

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.046+/-0.054 χ^2/NDF:23.1/27

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.000+/-0.038 χ^2/NDF: 61.9/60



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 300.889+/-0.067 χ^2/NDF:1832729.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 284.217+/-0.064 χ^2/NDF:537760.7/11

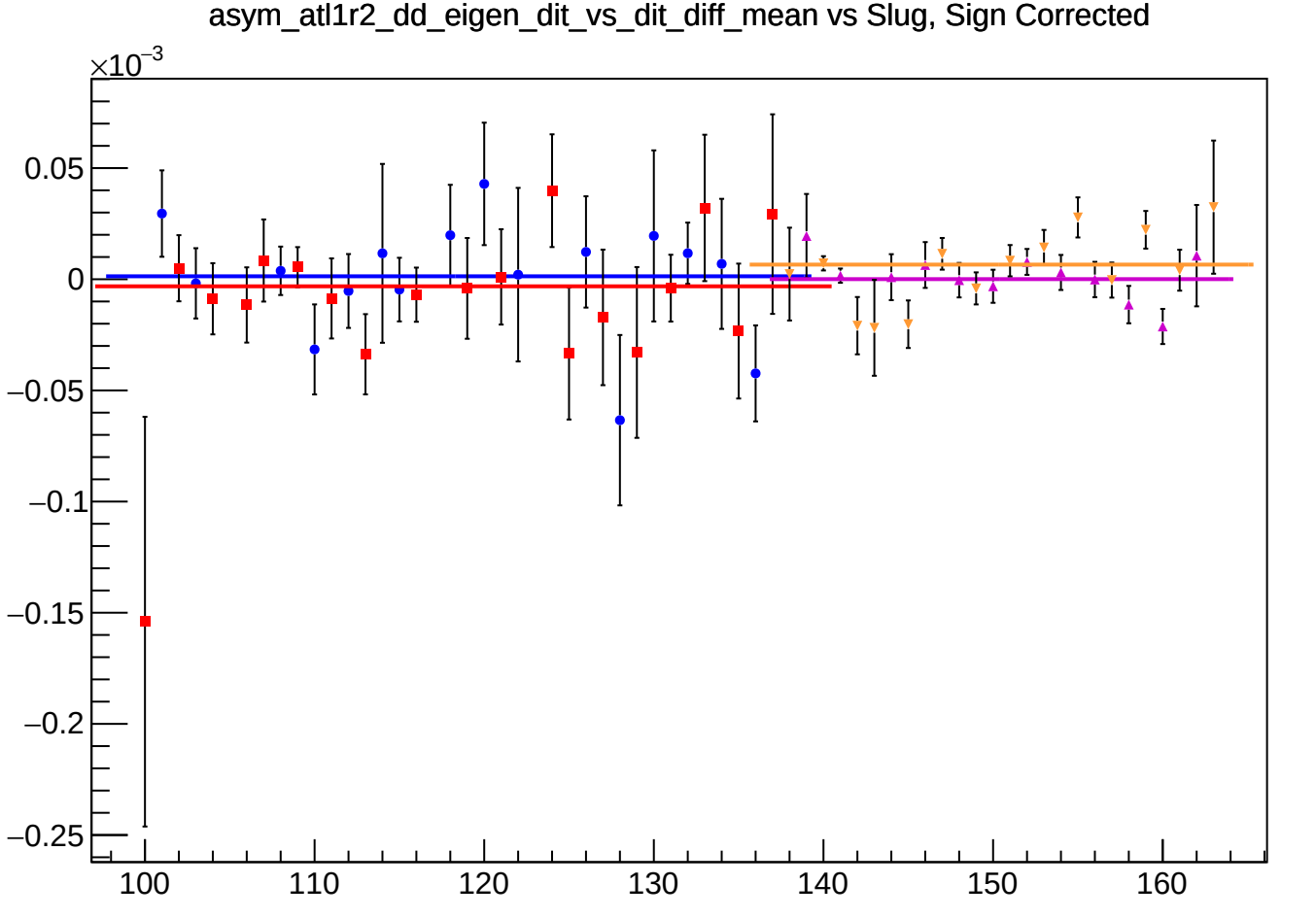
Left: 292.177+/-0.046 χ^2/NDF: 2402981.7/25

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.710+/-0.038 χ^2/NDF:4277748.9/27

Out: 200.815+/-0.038 χ^2/NDF:7033677.4/32

All: 203.747+/-0.027 χ^2/NDF: 11323624.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/13

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

Left In: 0.000+/-0.000 χ^2/NDF:13.1/11

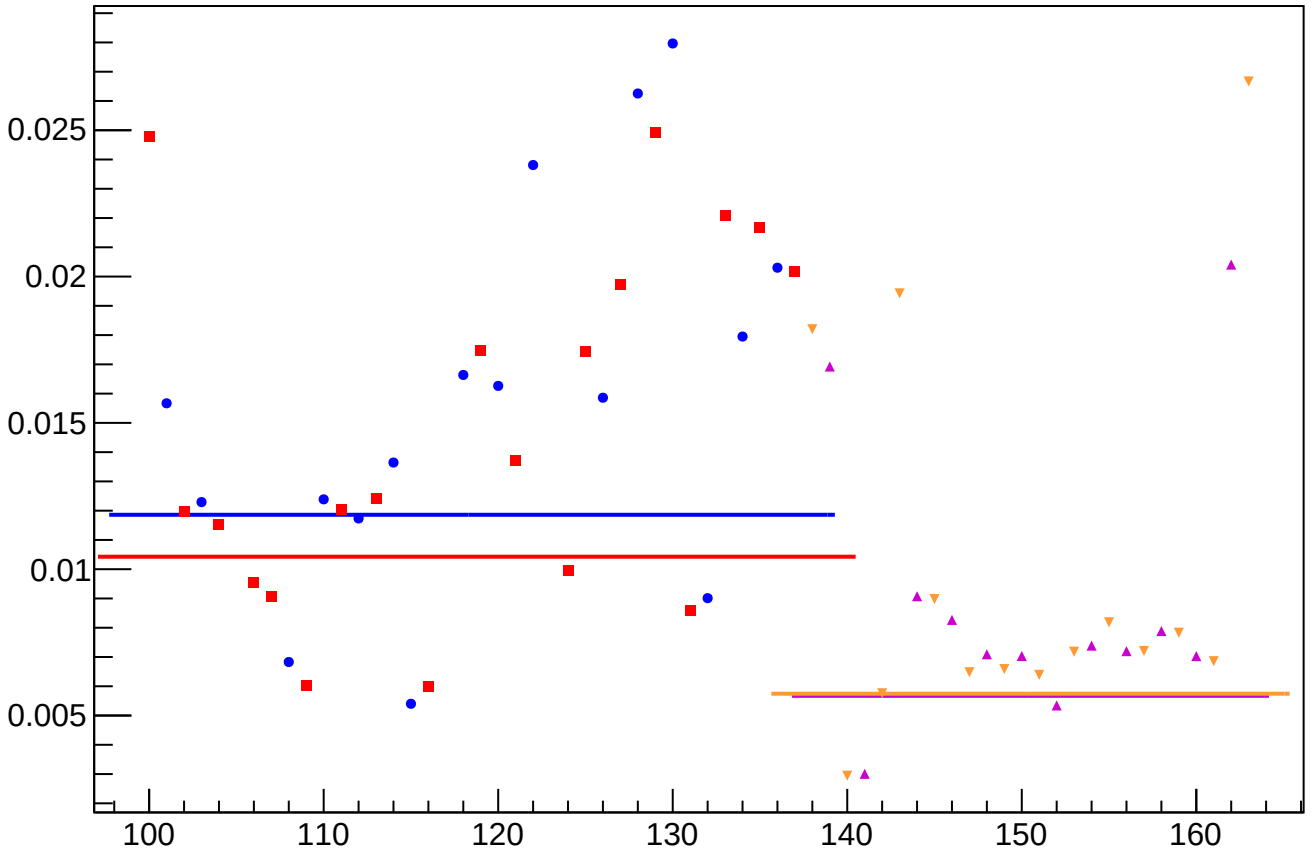
Left: 0.000+/-0.000 χ^2/NDF: 45.2/25

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:29.3/27

Out: 0.000+/-0.000 χ^2/NDF:45.8/32

All: 0.000+/-0.000 χ^2/NDF: 78.2/60



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:4693909.5/13

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:3775904.0/11

Left: 0.006+/-0.000 χ^2/NDF: 8471111.7/25

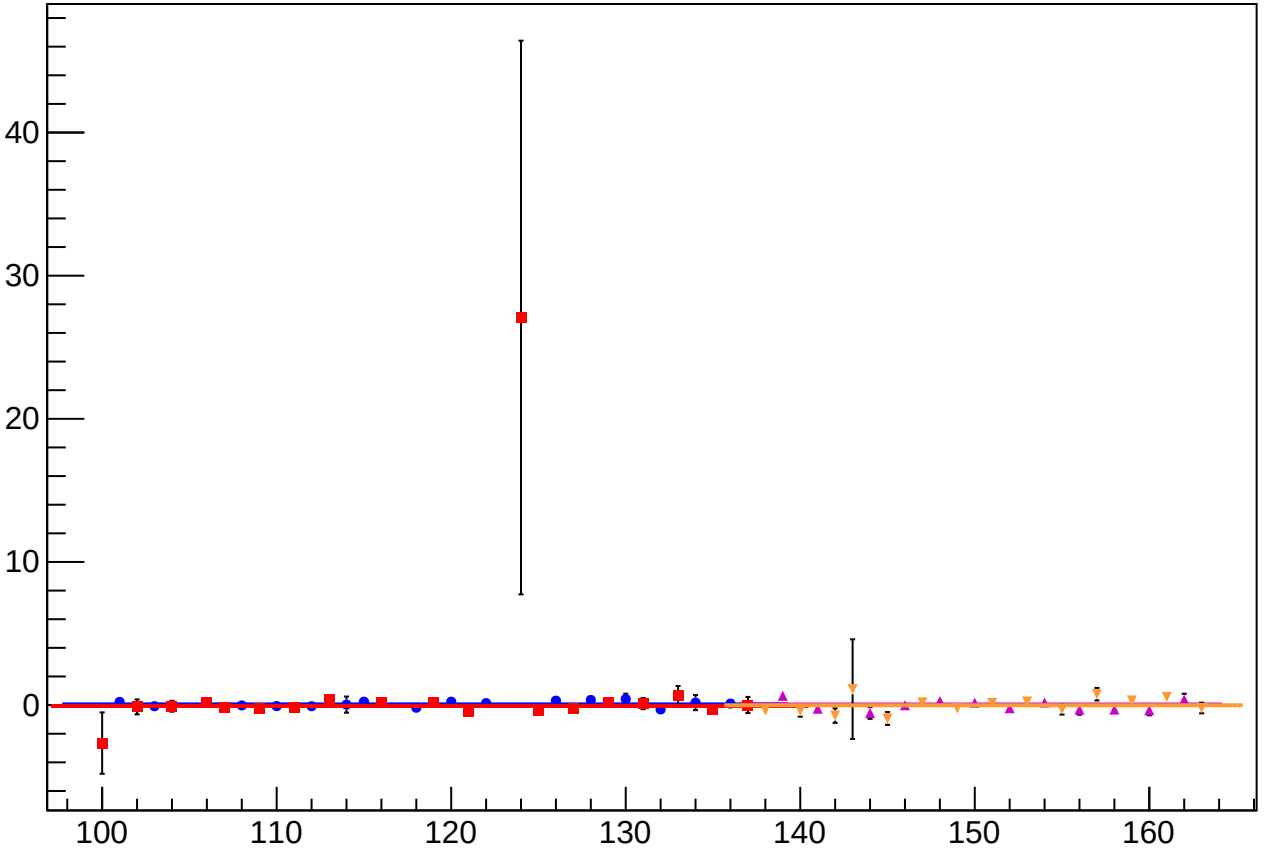
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.007+/-0.000 χ^2/NDF:8936506.0/27

Out: 0.007+/-0.000 χ^2/NDF:9039452.7/32

All: 0.007+/-0.000 χ^2/NDF: 17976313.8/60

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.041+/-0.090 χ^2/NDF:15.5/11

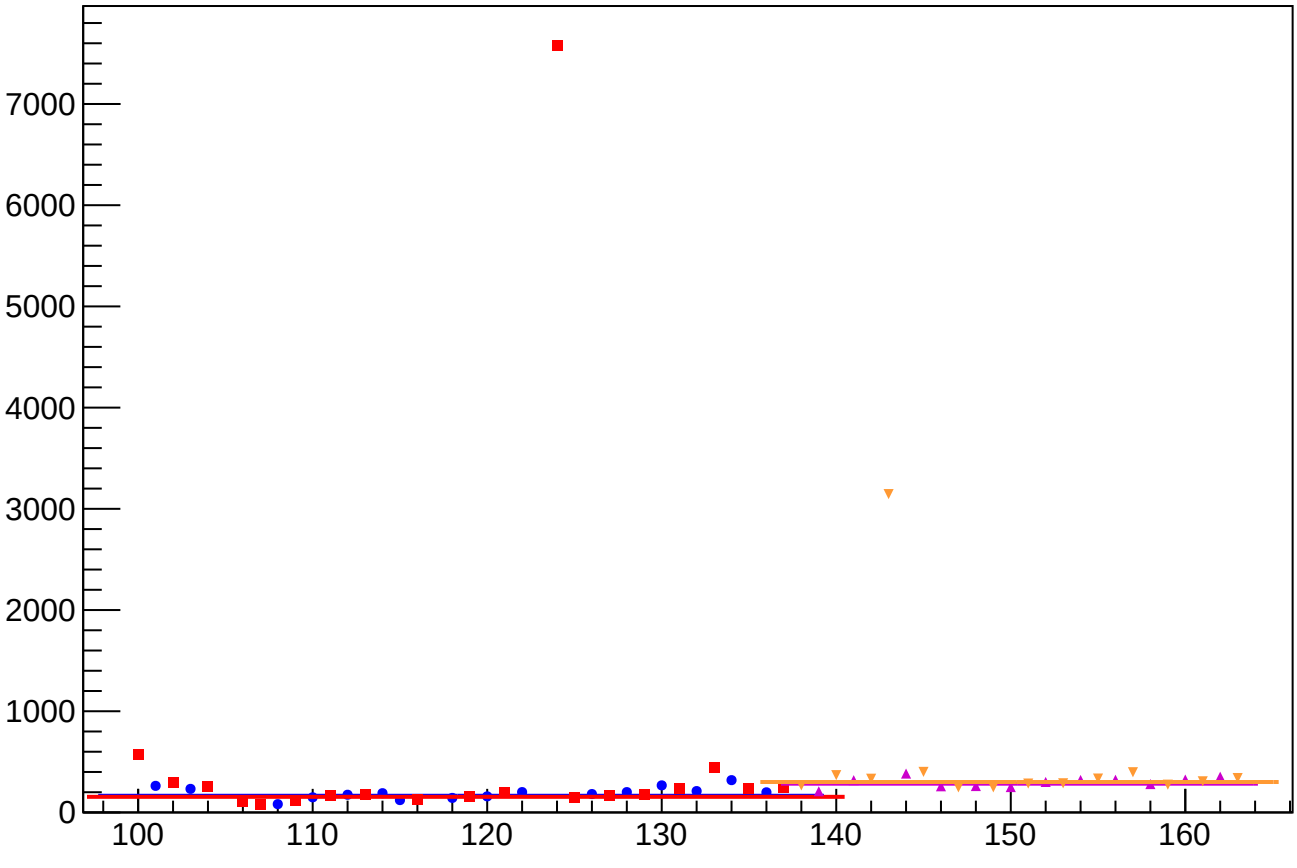
Left: 0.016+/-0.065 χ^2/NDF: 34.4/25

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.046+/-0.054 χ^2/NDF:23.1/27

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.000+/-0.038 χ^2/NDF: 61.9/60



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 300.893+/-0.067 χ^2/NDF:1832713.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 284.221+/-0.064 χ^2/NDF:537743.0/11

Left: 292.181+/-0.046 χ^2/NDF: 2402950.1/25

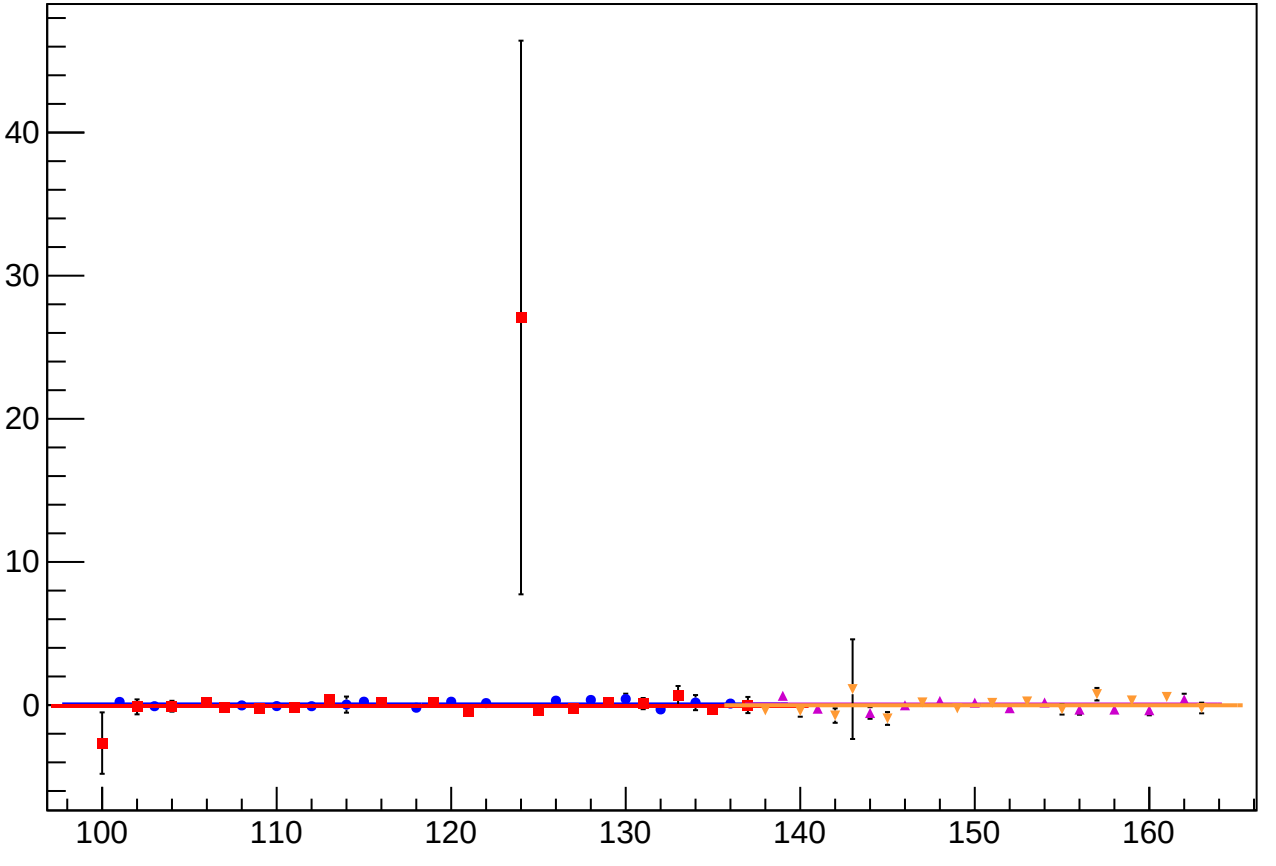
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.710+/-0.038 χ^2/NDF:4277822.4/27

Out: 200.815+/-0.038 χ^2/NDF:7033837.7/32

All: 203.747+/-0.027 χ^2/NDF: 11323858.8/60

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: -0.012+/-0.095 χ^2/NDF:18.7/13

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.041+/-0.090 χ^2/NDF:15.5/11

Left: 0.016+/-0.065 χ^2/NDF: 34.4/25

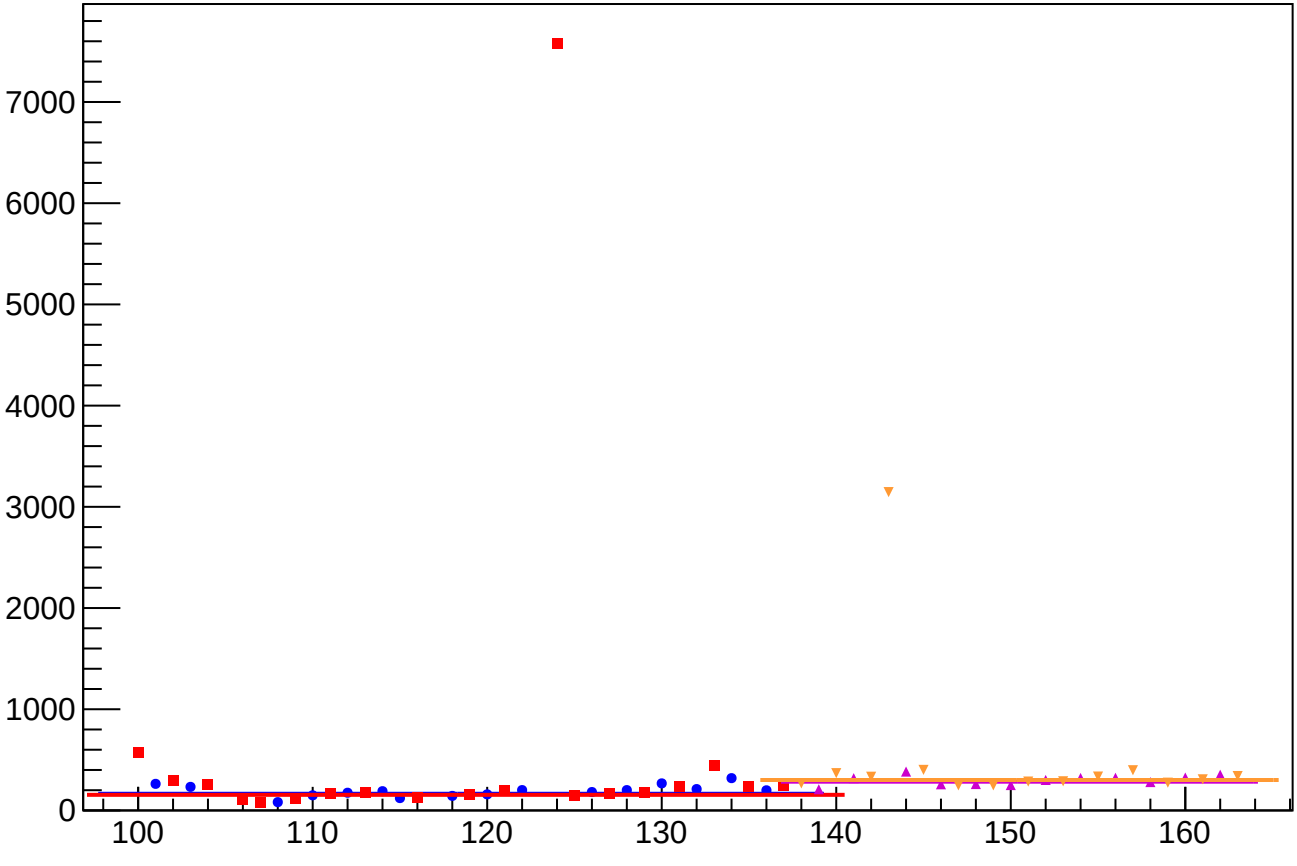
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.046+/-0.054 χ^2/NDF:23.1/27

Out: -0.046+/-0.053 χ^2/NDF:37.3/32

All: -0.000+/-0.038 χ^2/NDF: 61.9/60

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: 300.893+/-0.067 χ^2/NDF:1832713.1/13

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 284.221+/-0.064 χ^2/NDF:537743.0/11

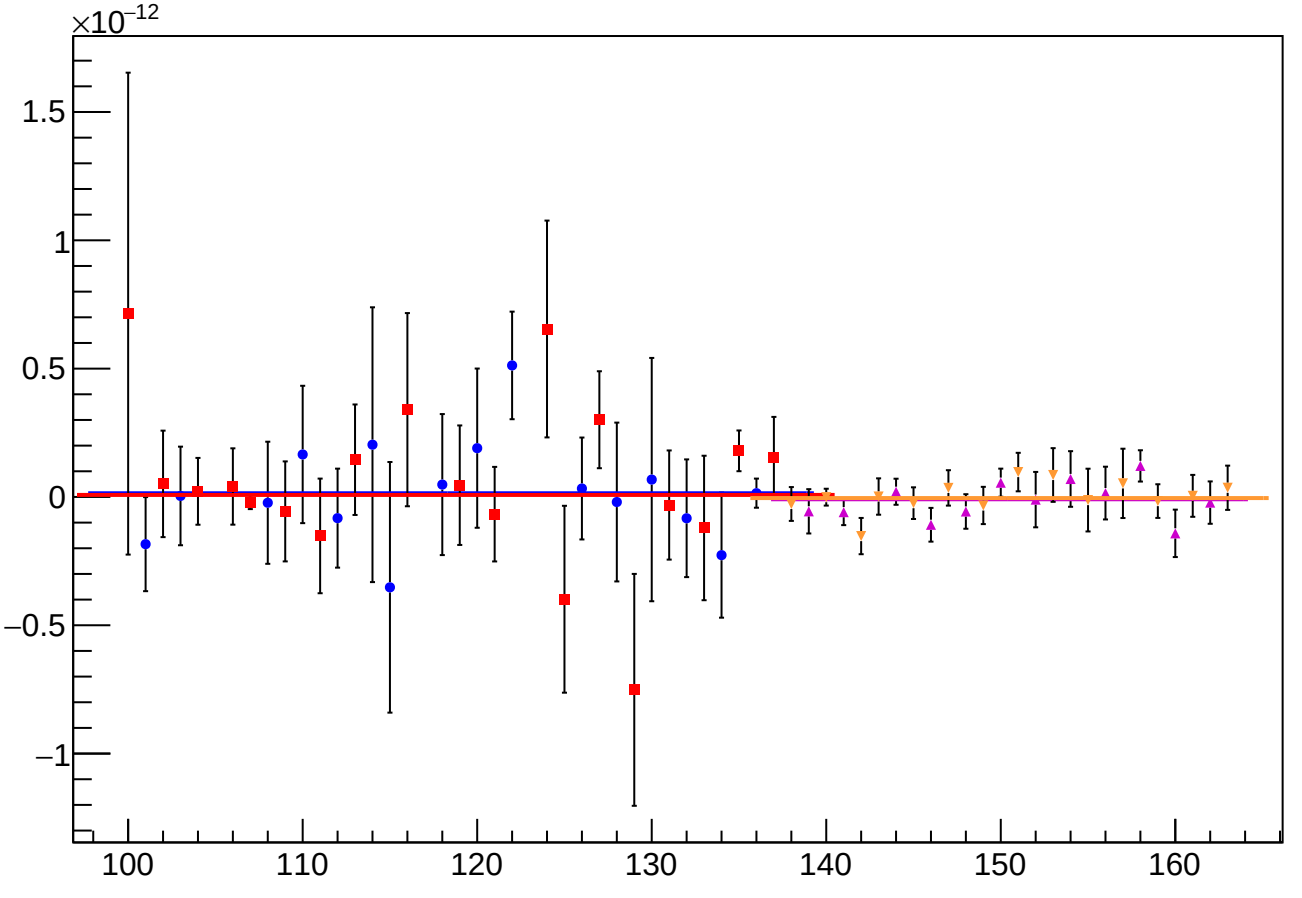
Left: 292.181+/-0.046 χ^2/NDF: 2402950.1/25

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.710+/-0.038 χ^2/NDF:4277822.4/27

Out: 200.815+/-0.038 χ^2/NDF:7033837.7/32

All: 203.747+/-0.027 χ^2/NDF: 11323858.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/13

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

Left In: -0.000+/-0.000 χ^2/NDF:13.0/11

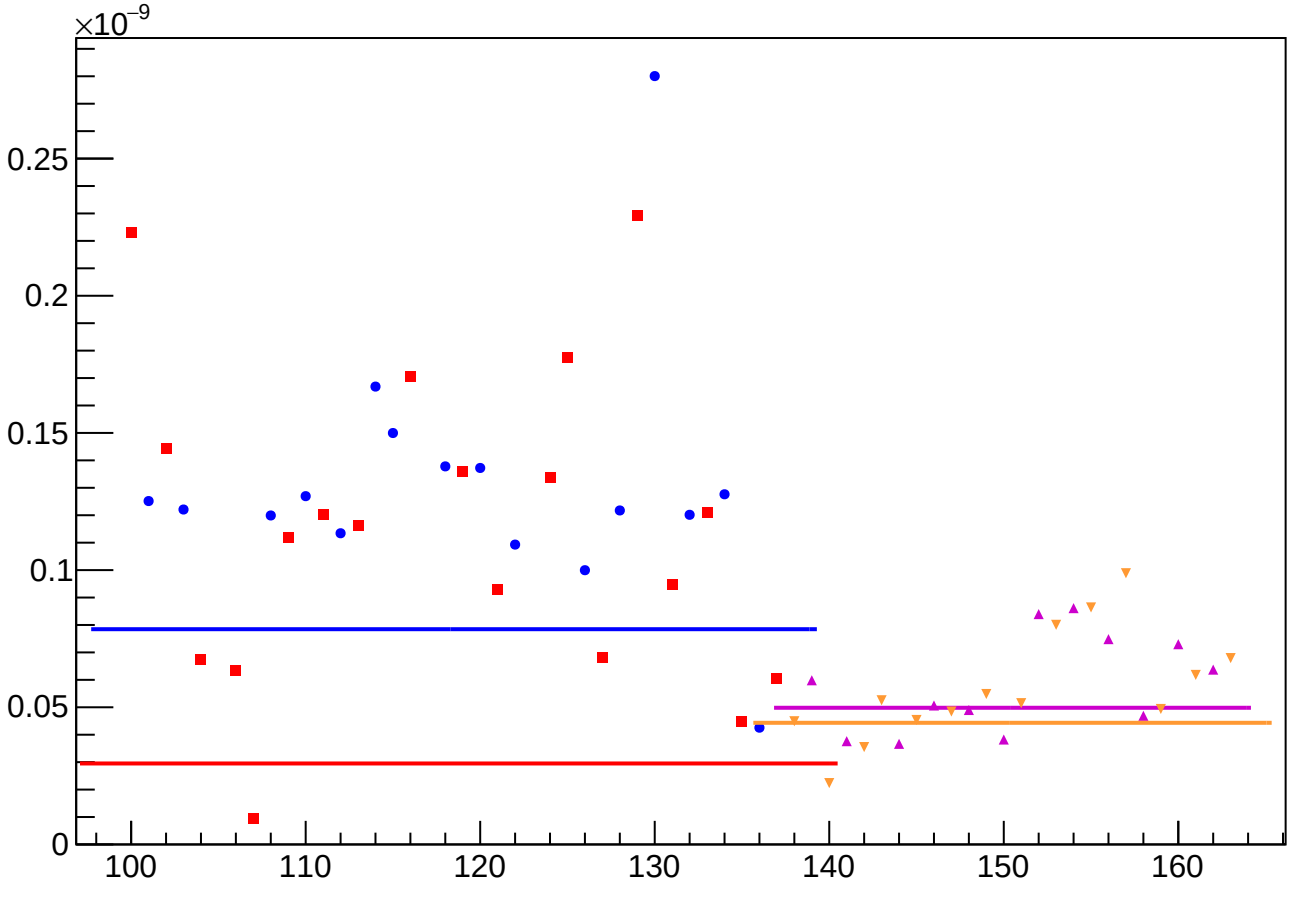
Left: -0.000+/-0.000 χ^2/NDF: 21.2/25

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:22.9/27

Out: 0.000+/-0.000 χ^2/NDF:26.7/32

All: -0.000+/-0.000 χ^2/NDF: 49.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2071514.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1097445.0/11

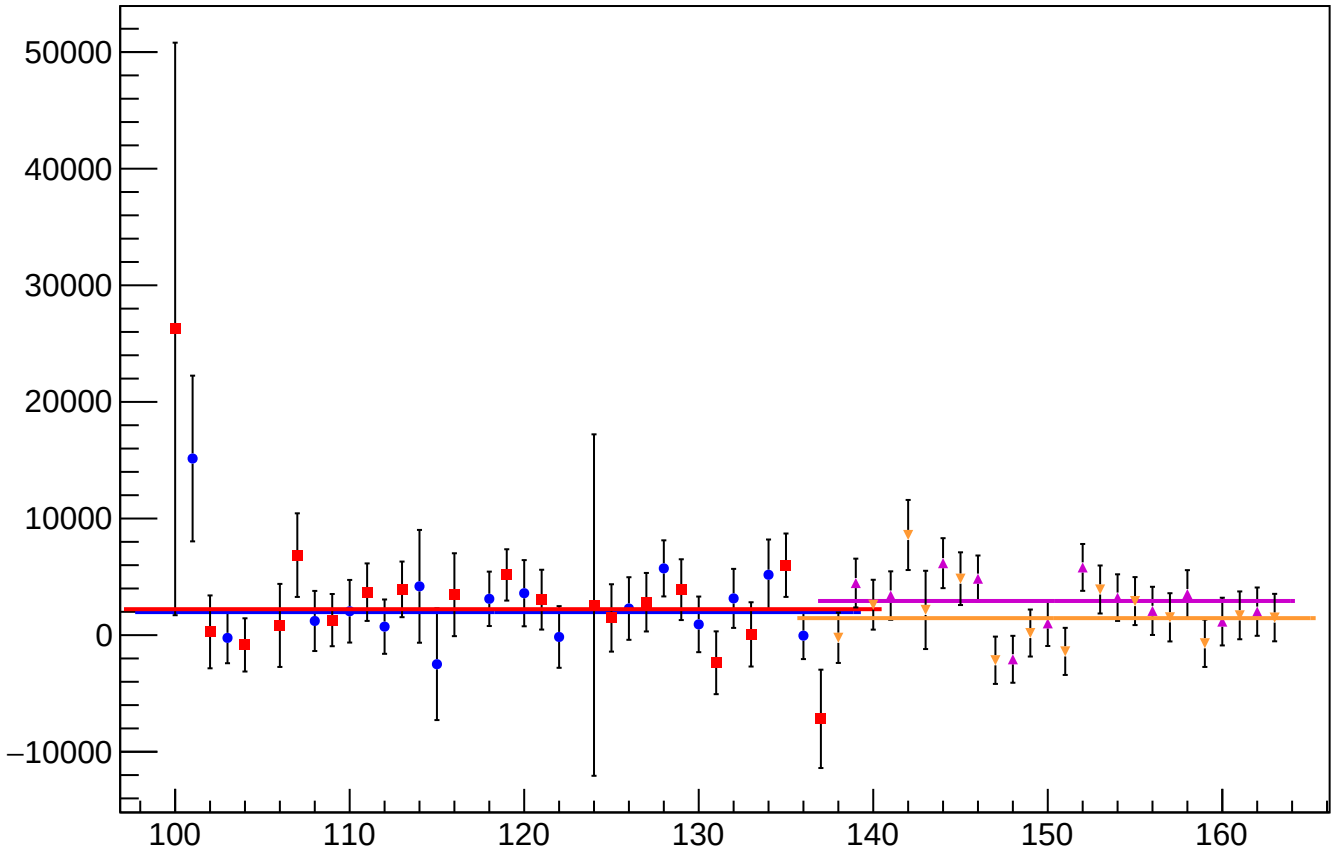
Left: 0.000+/-0.000 χ^2/NDF: 3252280.6/25

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3946576.3/27

Out: 0.000+/-0.000 χ^2/NDF:8078692.0/32

All: 0.000+/-0.000 χ^2/NDF: 13034233.3/60



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.411+/-578.192 χ^2/NDF:17.5/13

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2929.487+/-588.629 χ^2/NDF:14.2/11

Left: 2180.792+/-412.484 χ^2/NDF: 34.9/25

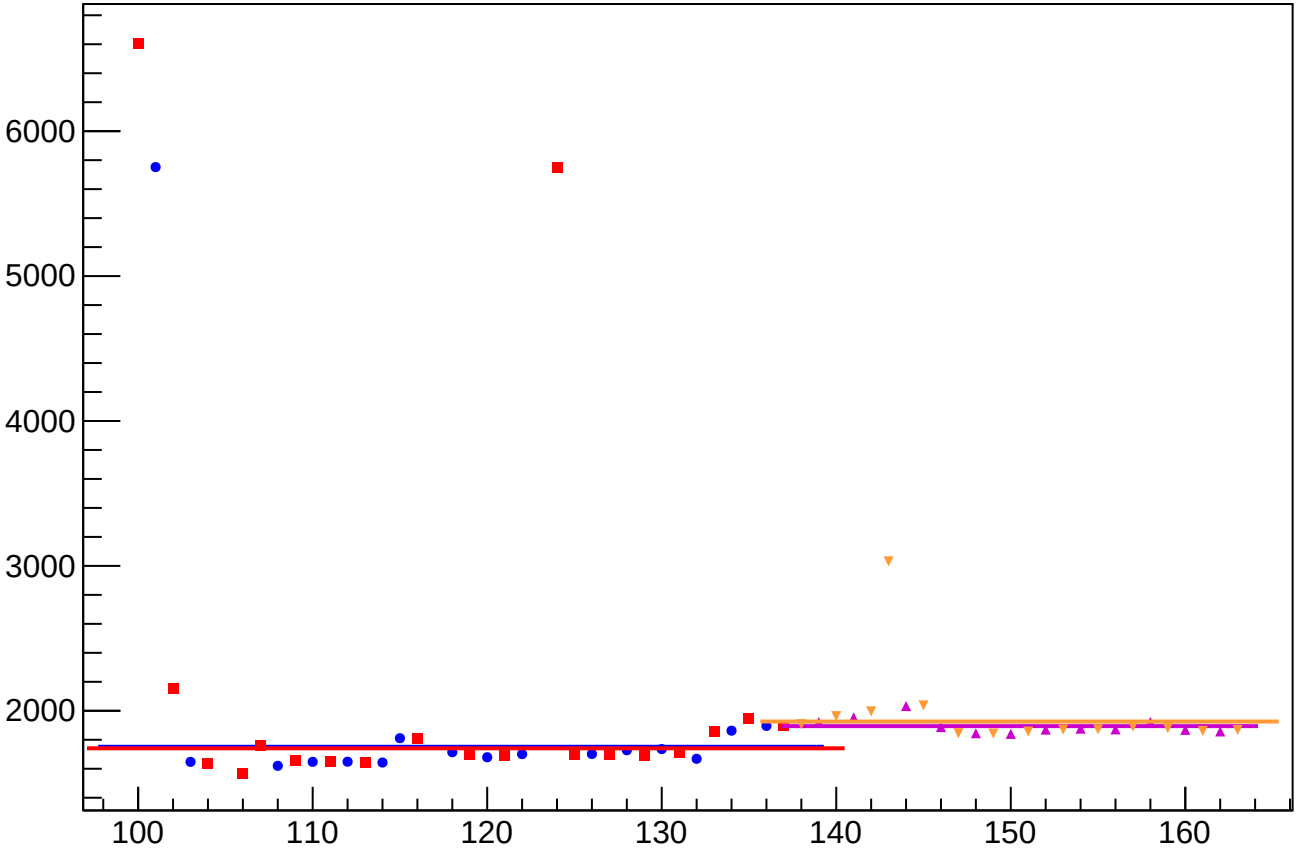
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2512.655+/-441.549 χ^2/NDF:27.5/27

Out: 1793.915+/-433.840 χ^2/NDF:37.2/32

All: 2146.956+/-309.461 χ^2/NDF: 66.0/60

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1894.145+/-0.416 χ^2/NDF:15157.8/11

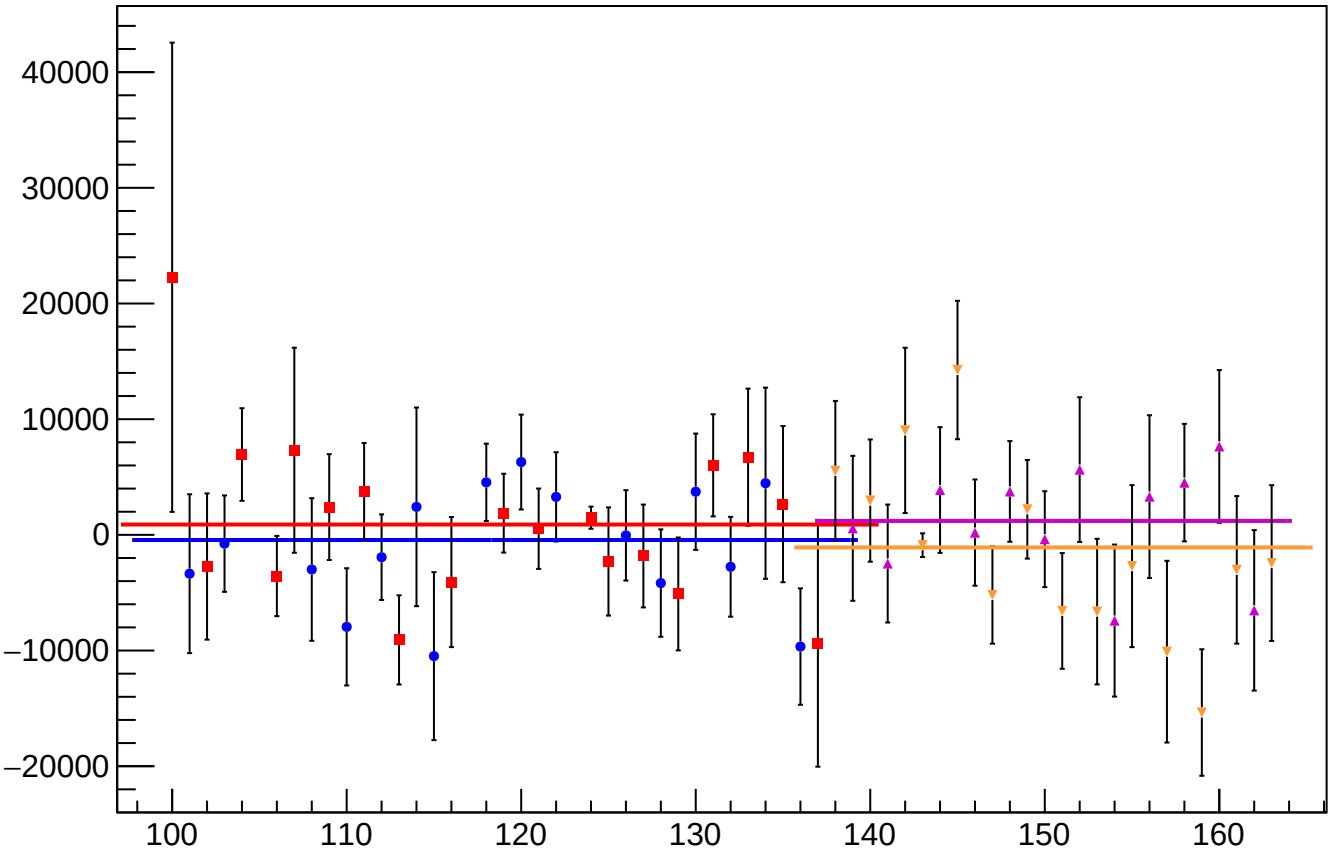
Left: 1910.299+/-0.292 χ^2/NDF: 258869.5/25

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1831.812+/-0.312 χ^2/NDF:737094.3/27

Out: 1844.443+/-0.306 χ^2/NDF:635463.8/32

All: 1838.259+/-0.218 χ^2/NDF: 1373393.4/60



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -1088.216+/-857.246 χ^2/NDF:22.2/13

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1202.899+/-1566.384 χ^2/NDF:6.2/11

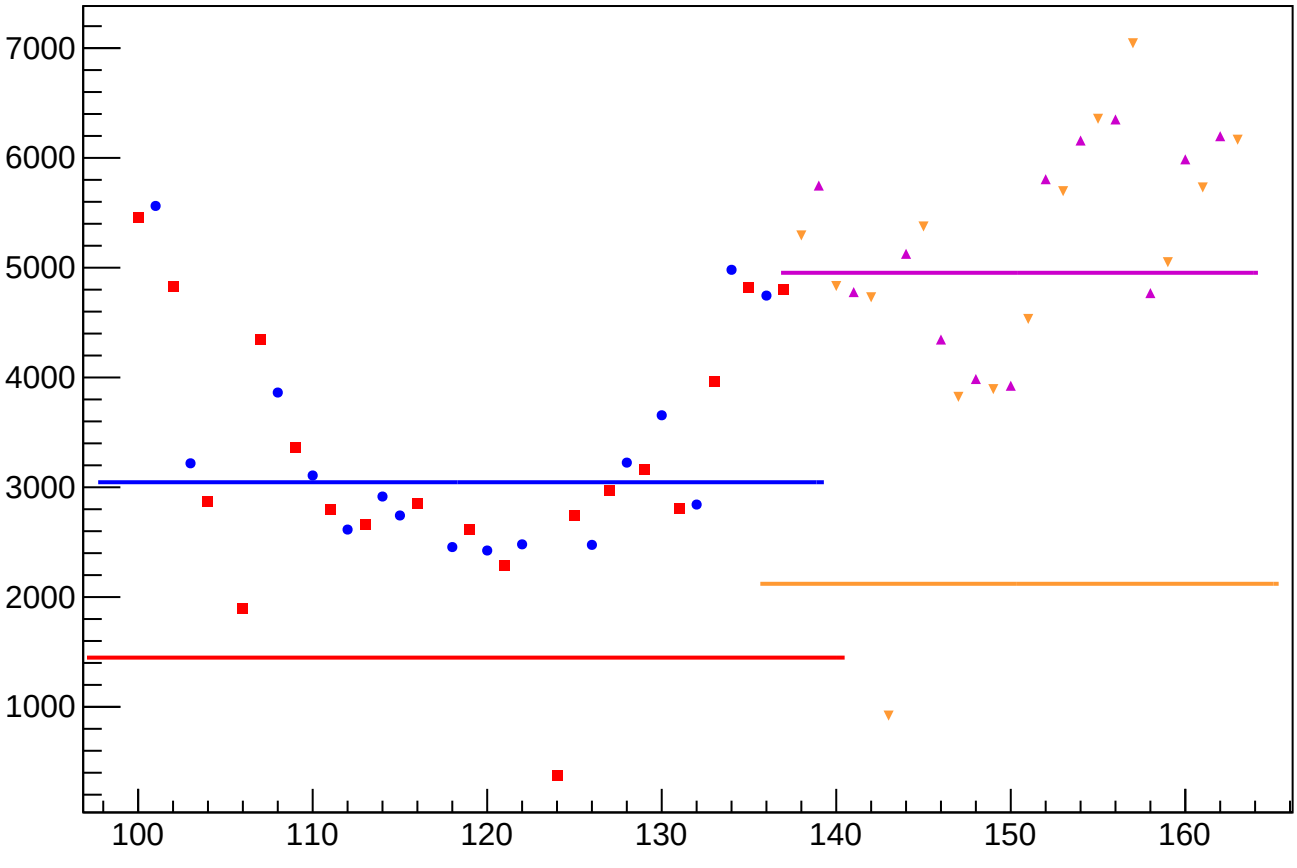
Left: -560.158+/-751.996 χ^2/NDF: 30.1/25

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 148.489+/-939.656 χ^2/NDF:22.9/27

Out: 65.413+/-553.898 χ^2/NDF:45.4/32

All: 86.836+/-477.166 χ^2/NDF: 68.3/60



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2120.906+/-0.606 χ^2/NDF:9932128.0/13

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4953.596+/-1.108 χ^2/NDF:592702.3/11

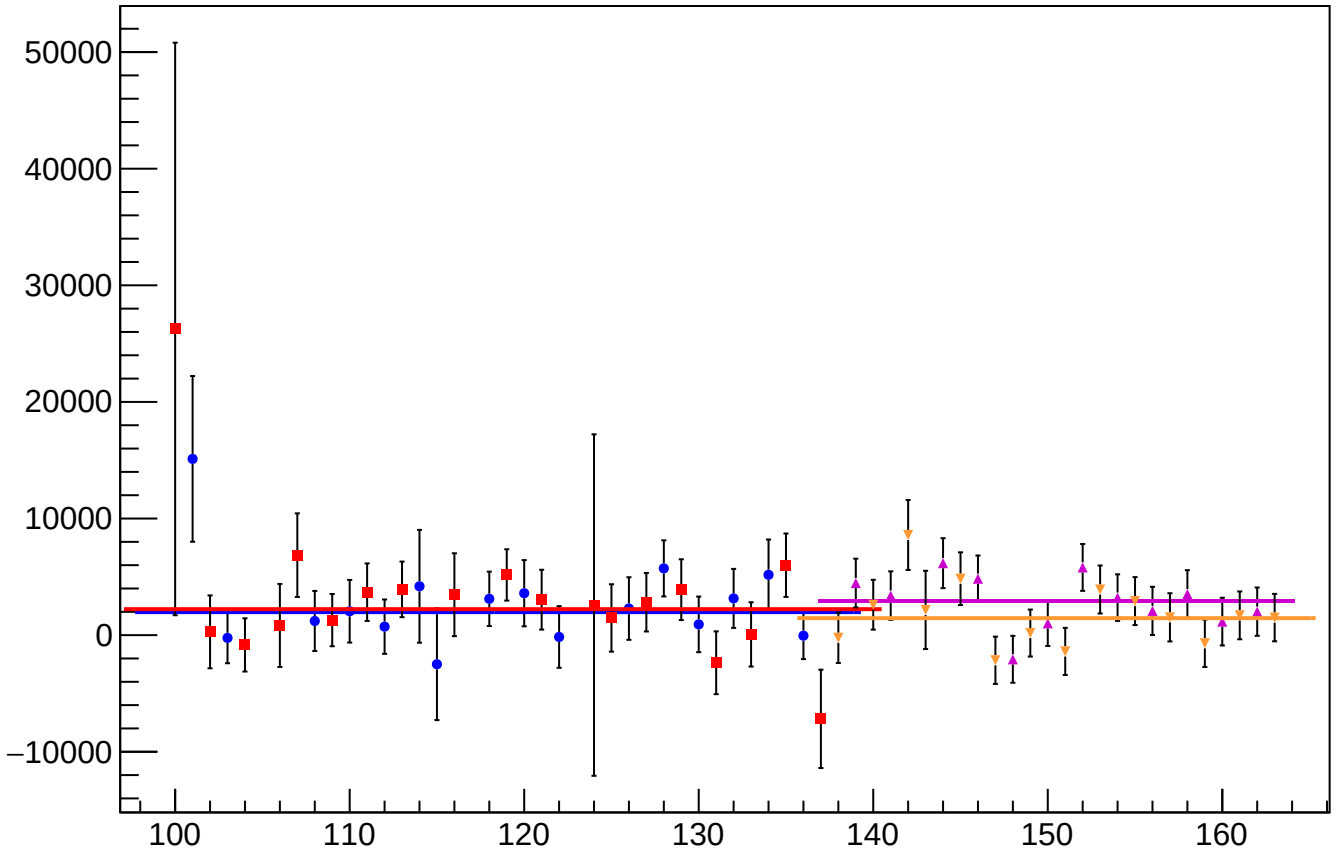
Left: 2773.786+/-0.532 χ^2/NDF: 15558112.0/25

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3732.428+/-0.664 χ^2/NDF:3399041.7/27

Out: 1729.236+/-0.392 χ^2/NDF:17435789.2/32

All: 2245.800+/-0.337 χ^2/NDF: 27580369.9/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2929.586+/-588.629 χ^2/NDF:14.2/11

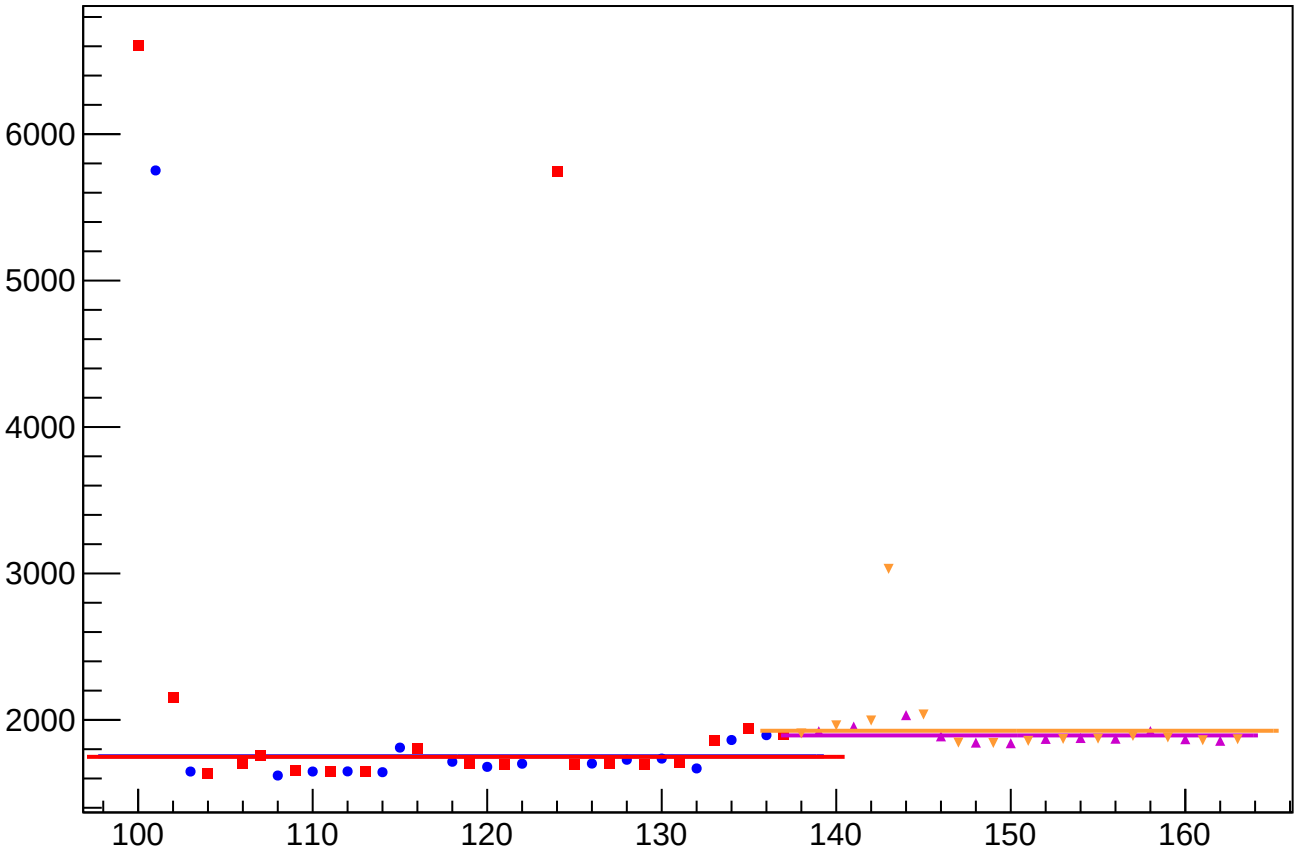
Left: 2180.866+/-412.484 χ^2/NDF: 34.9/25

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2512.556+/-441.549 χ^2/NDF:27.5/27

Out: 1793.987+/-433.840 χ^2/NDF:37.2/32

All: 2146.944+/-309.461 χ^2/NDF: 66.0/60



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1894.145+/-0.416 χ^2/NDF:15157.8/11

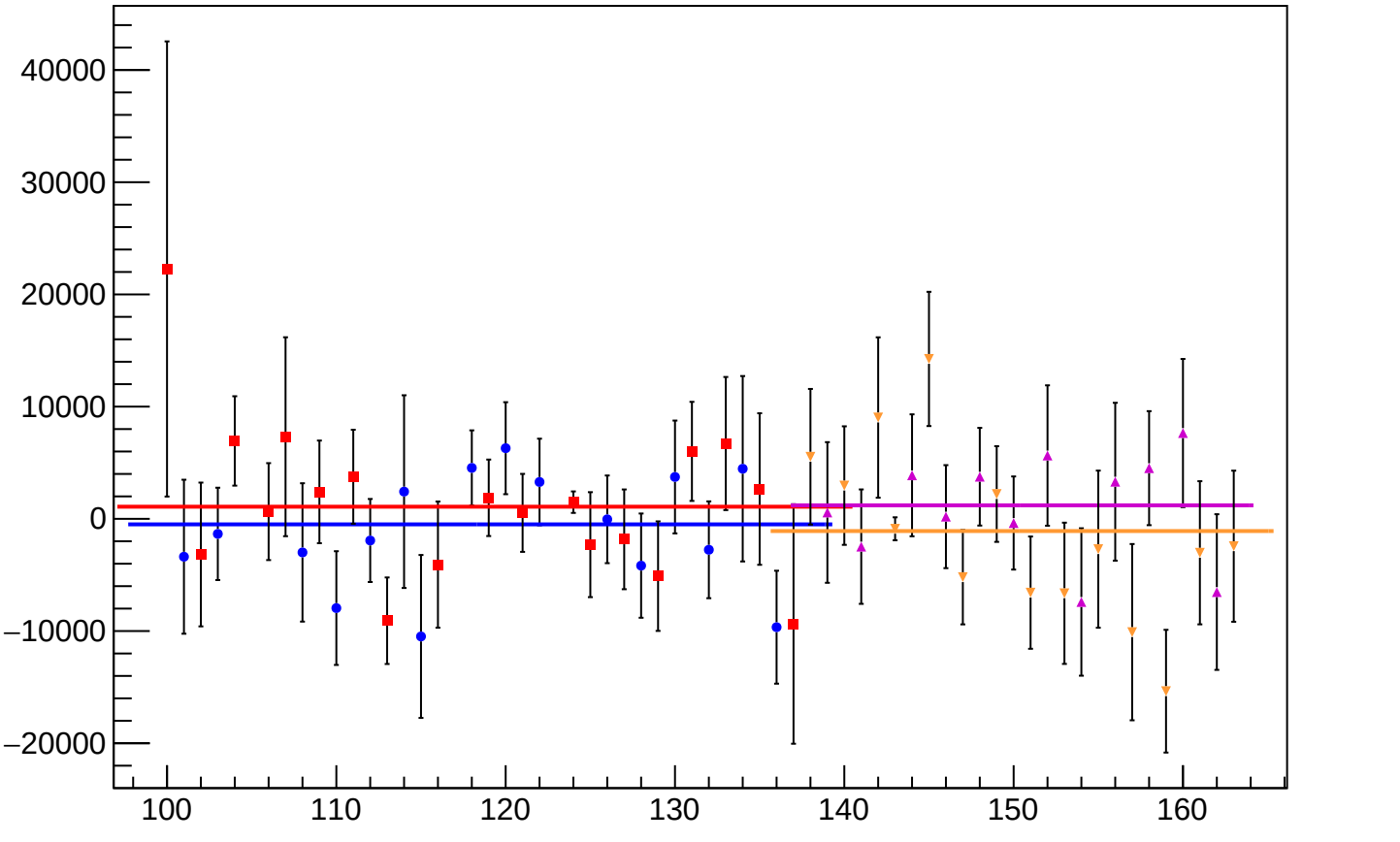
Left: 1910.299+/-0.292 χ^2/NDF: 258869.5/25

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1831.812+/-0.312 χ^2/NDF:737094.8/27

Out: 1847.728+/-0.306 χ^2/NDF:621944.3/32

All: 1839.924+/-0.219 χ^2/NDF: 1360363.4/60



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1202.971+/-1566.383 χ^2/NDF:6.2/11

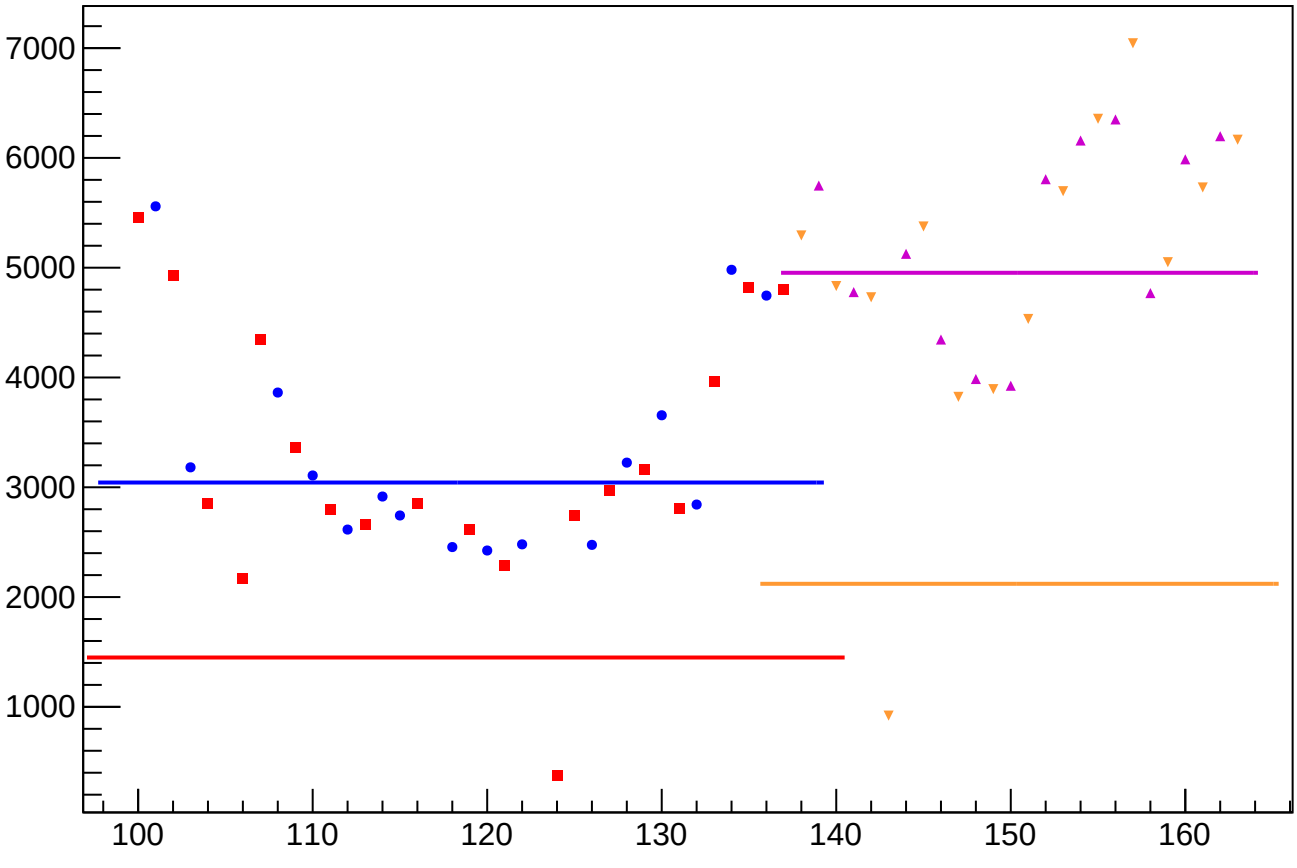
Left: -560.010+/-751.979 χ^2/NDF: 30.1/25

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 116.573+/-939.037 χ^2/NDF:23.0/27

Out: 167.084+/-556.422 χ^2/NDF:44.4/32

All: 153.957+/-478.695 χ^2/NDF: 67.4/60



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2120.810+/-0.606 χ^2/NDF:9932525.1/13

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4953.594+/-1.108 χ^2/NDF:592702.0/11

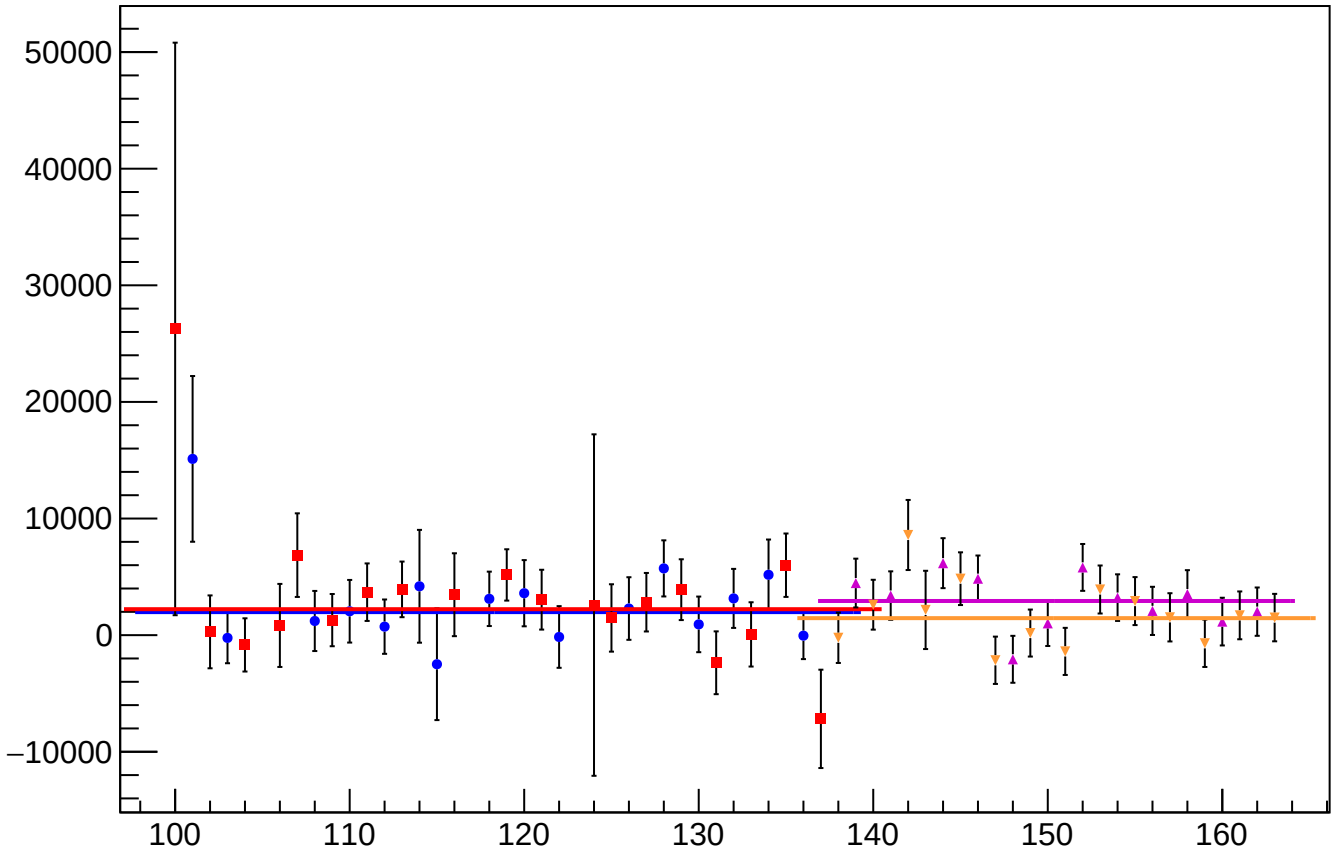
Left: 2773.684+/-0.532 χ^2/NDF: 15558913.6/25

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3729.826+/-0.664 χ^2/NDF:3403998.8/27

Out: 1732.353+/-0.393 χ^2/NDF:17467983.8/32

All: 2251.433+/-0.338 χ^2/NDF: 27569841.9/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1458.463+/-578.192 χ^2/NDF:17.5/13

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2929.586+/-588.629 χ^2/NDF:14.2/11

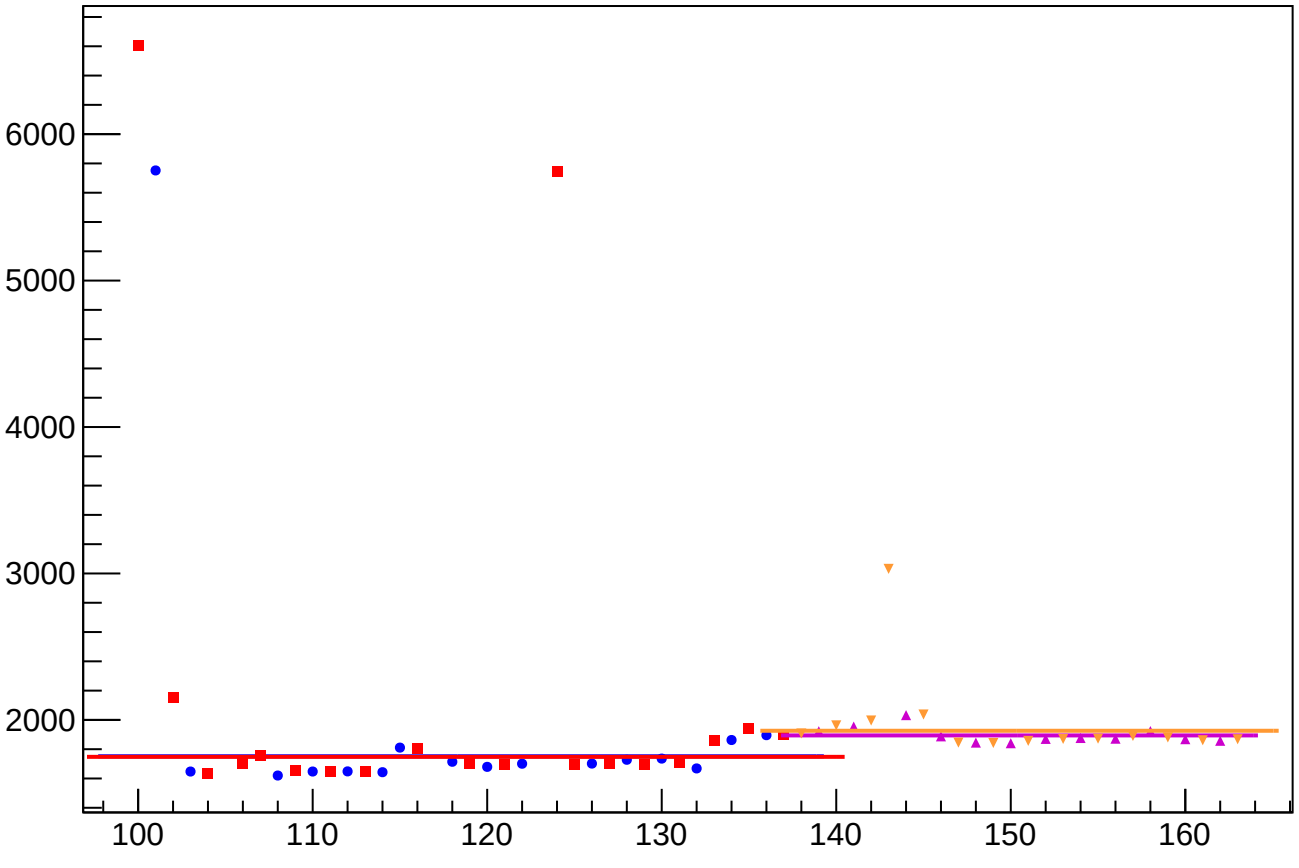
Left: 2180.866+/-412.484 χ^2/NDF: 34.9/25

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2512.556+/-441.549 χ^2/NDF:27.5/27

Out: 1793.987+/-433.840 χ^2/NDF:37.2/32

All: 2146.944+/-309.461 χ^2/NDF: 66.0/60



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1925.885+/-0.409 χ^2/NDF:240752.1/13

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1894.145+/-0.416 χ^2/NDF:15157.8/11

Left: 1910.299+/-0.292 χ^2/NDF: 258869.5/25

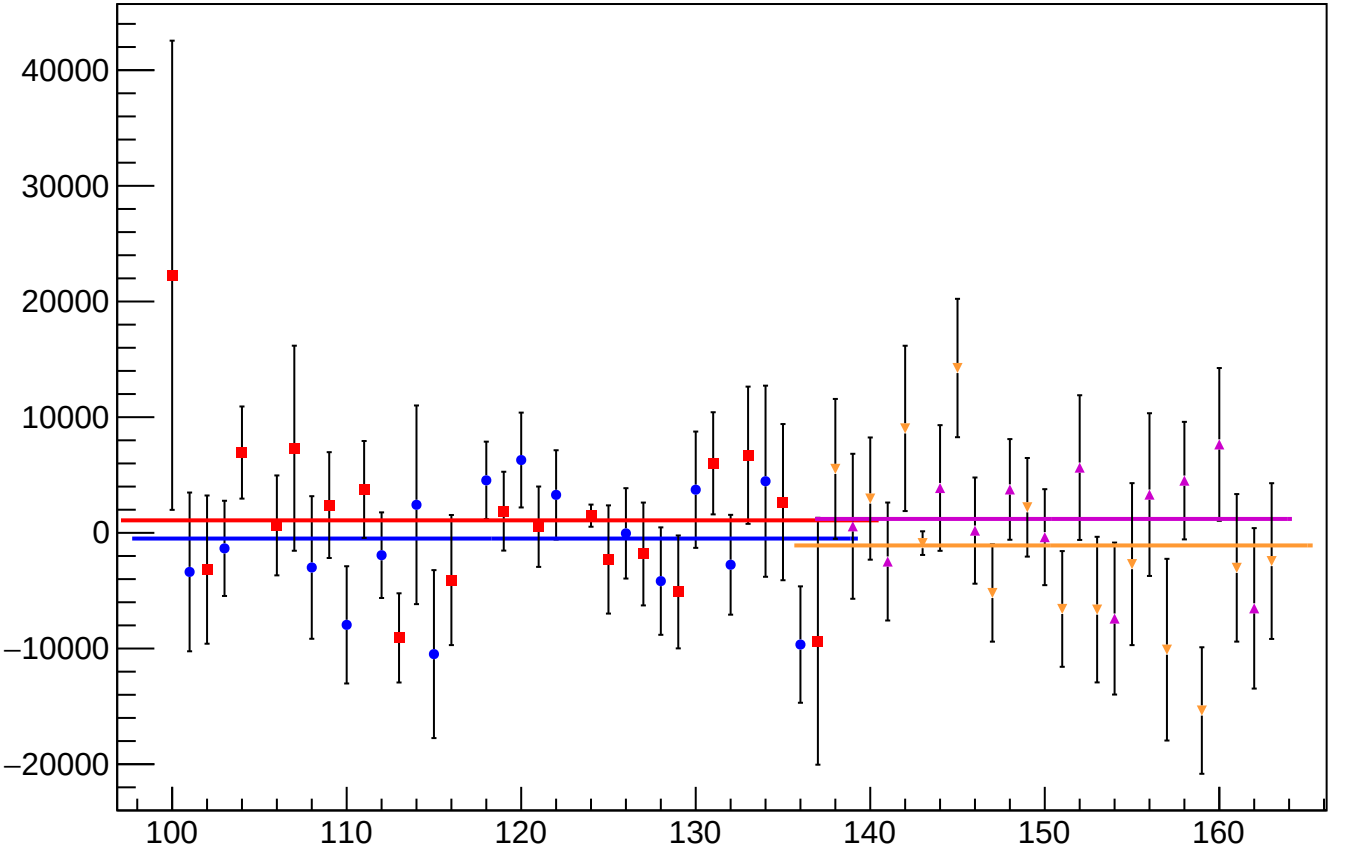
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1831.812+/-0.312 χ^2/NDF:737094.8/27

Out: 1847.728+/-0.306 χ^2/NDF:621944.3/32

All: 1839.924+/-0.219 χ^2/NDF: 1360363.4/60

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -1088.014+/-857.221 χ^2/NDF:22.3/13

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1202.971+/-1566.383 χ^2/NDF:6.2/11

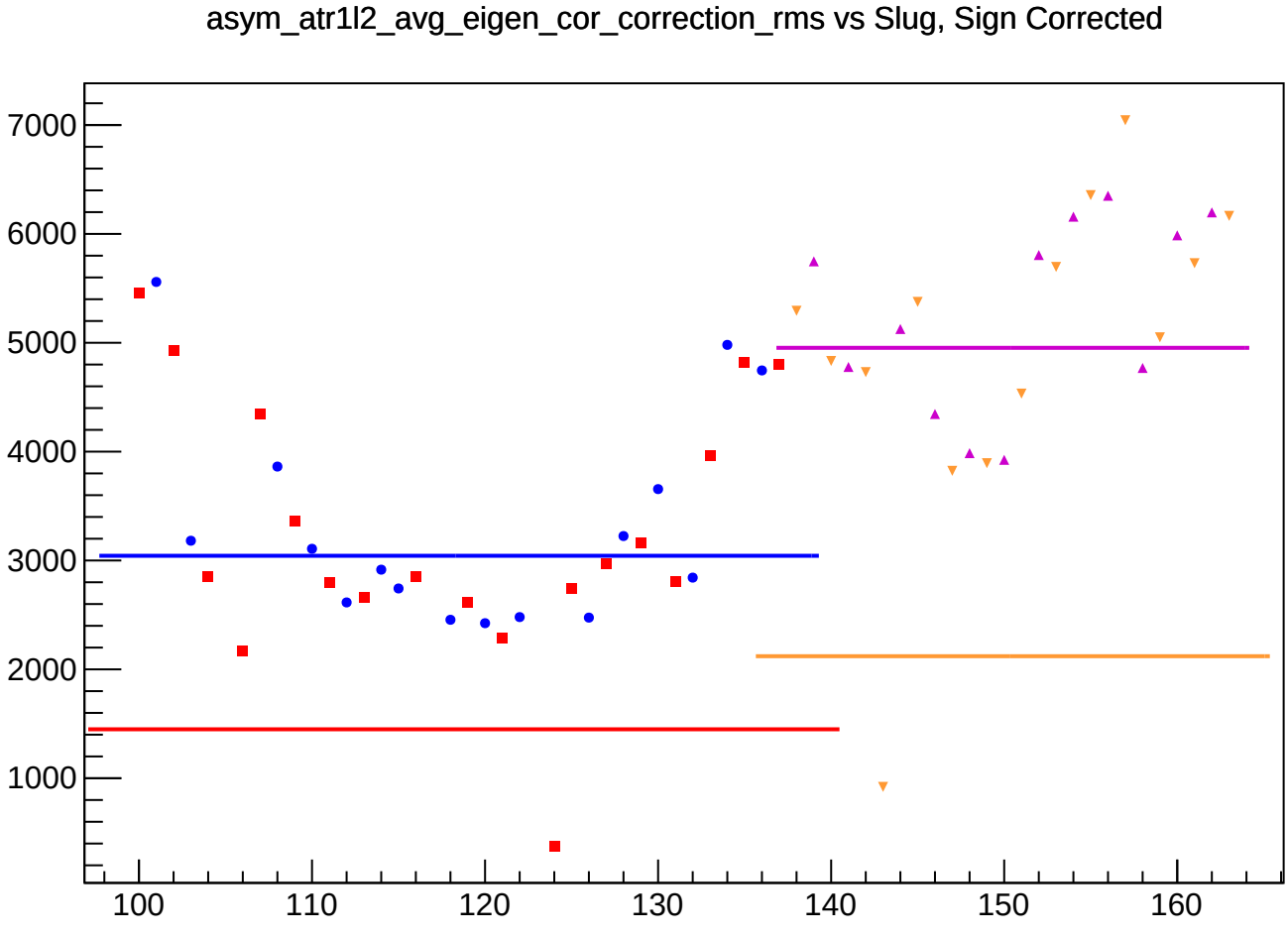
Left: -560.010+/-751.979 χ^2/NDF: 30.1/25

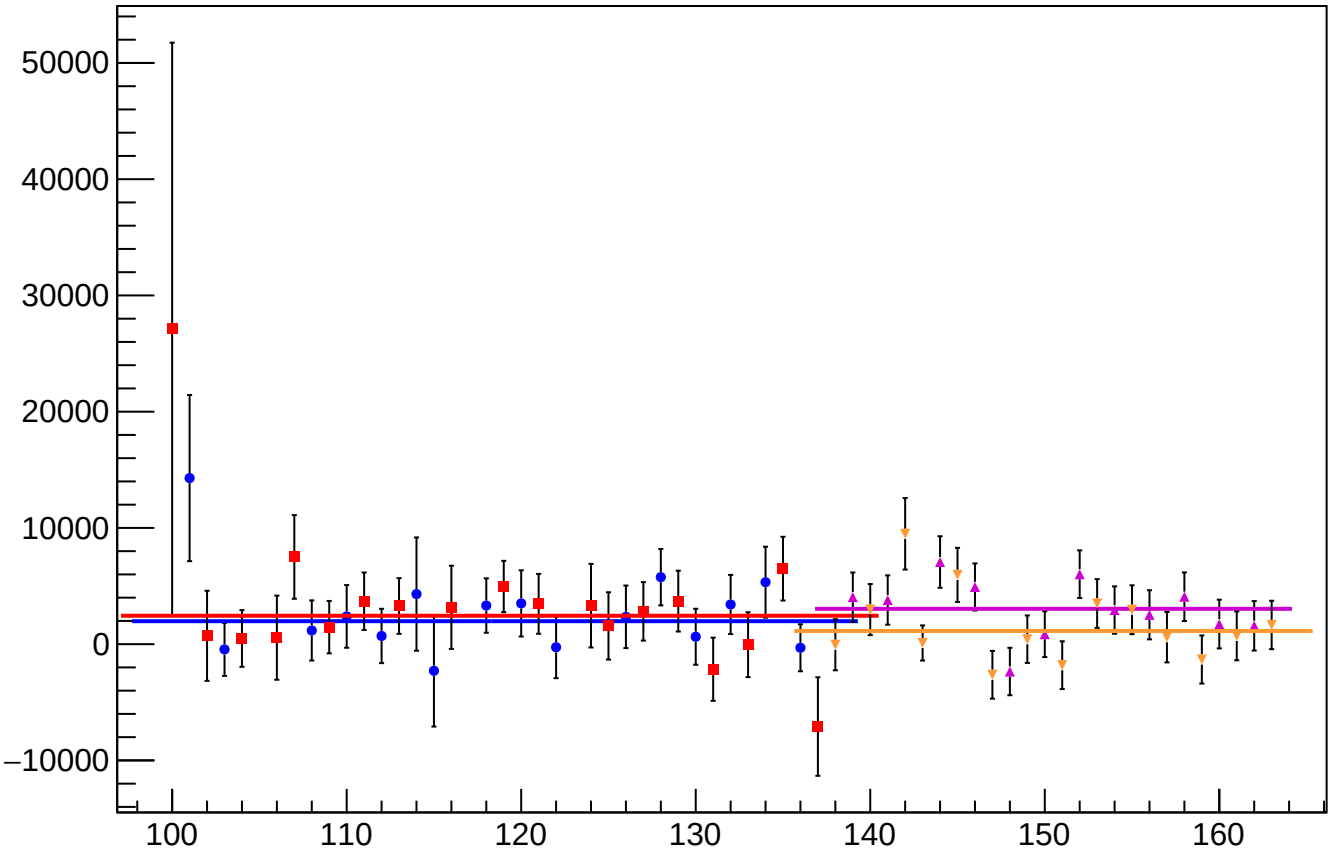
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 116.573+/-939.037 χ^2/NDF:23.0/27

Out: 167.084+/-556.422 χ^2/NDF:44.4/32

All: 153.957+/-478.695 χ^2/NDF: 67.4/60


asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
Right In: 3043.270+/-0.830 χ²/NDF: 905659.7/15
Left Out: 2120.810+/-0.606 χ²/NDF:9932525.1/13
Right Out: 1449.516+/-0.517 χ²/NDF: 6825716.5/18
Left In: 4953.594+/-1.108 χ²/NDF:592702.0/11
Left: 2773.684+/-0.532 χ²/NDF: 15558913.6/25
Right: 1895.604+/-0.439 χ²/NDF: 10389001.0/34
In: 3729.826+/-0.664 χ²/NDF:3403998.8/27
Out: 1732.353+/-0.393 χ²/NDF:17467983.8/32
All: 2251.433+/-0.338 χ²/NDF: 27569841.9/6



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1130.604+/-557.888 χ^2/NDF:22.3/13

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3039.624+/-600.759 χ^2/NDF:16.0/11

Left: 2014.574+/-408.803 χ^2/NDF: 43.7/25

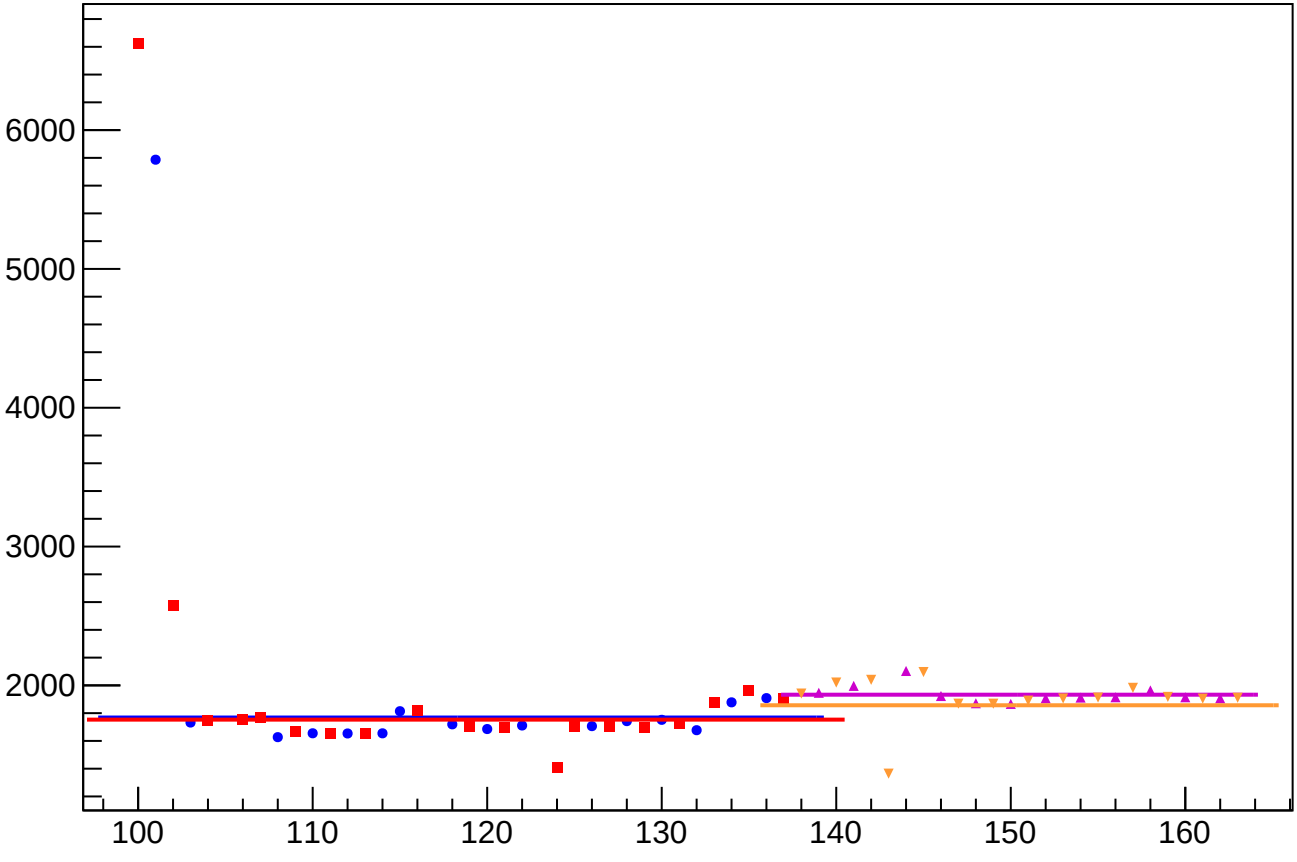
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2568.702+/-448.493 χ^2/NDF:29.8/27

Out: 1680.281+/-425.441 χ^2/NDF:42.1/32

All: 2101.073+/-308.660 χ^2/NDF: 74.0/60

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1856.840+/-0.394 χ^2/NDF:269067.7/13

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1932.903+/-0.425 χ^2/NDF:19450.0/11

Left: 1892.061+/-0.289 χ^2/NDF: 305732.7/25

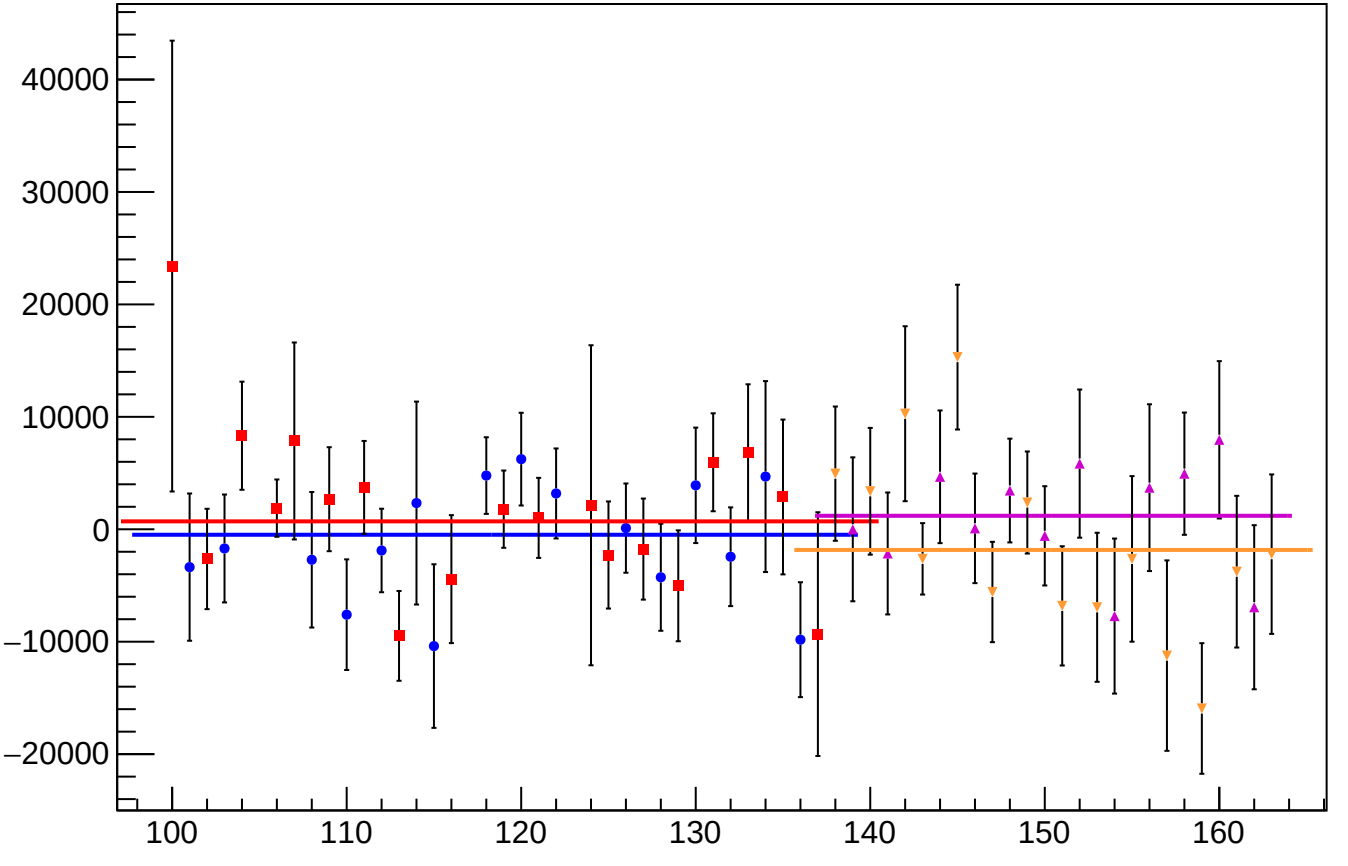
Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1860.118+/-0.317 χ^2/NDF:753135.9/27

Out: 1813.414+/-0.300 χ^2/NDF:516802.2/32

All: 1835.509+/-0.218 χ^2/NDF: 1281365.7/60

asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -1837.977+/-1474.008 χ^2/NDF:22.0/13

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1199.604+/-1660.278 χ^2/NDF:6.1/11

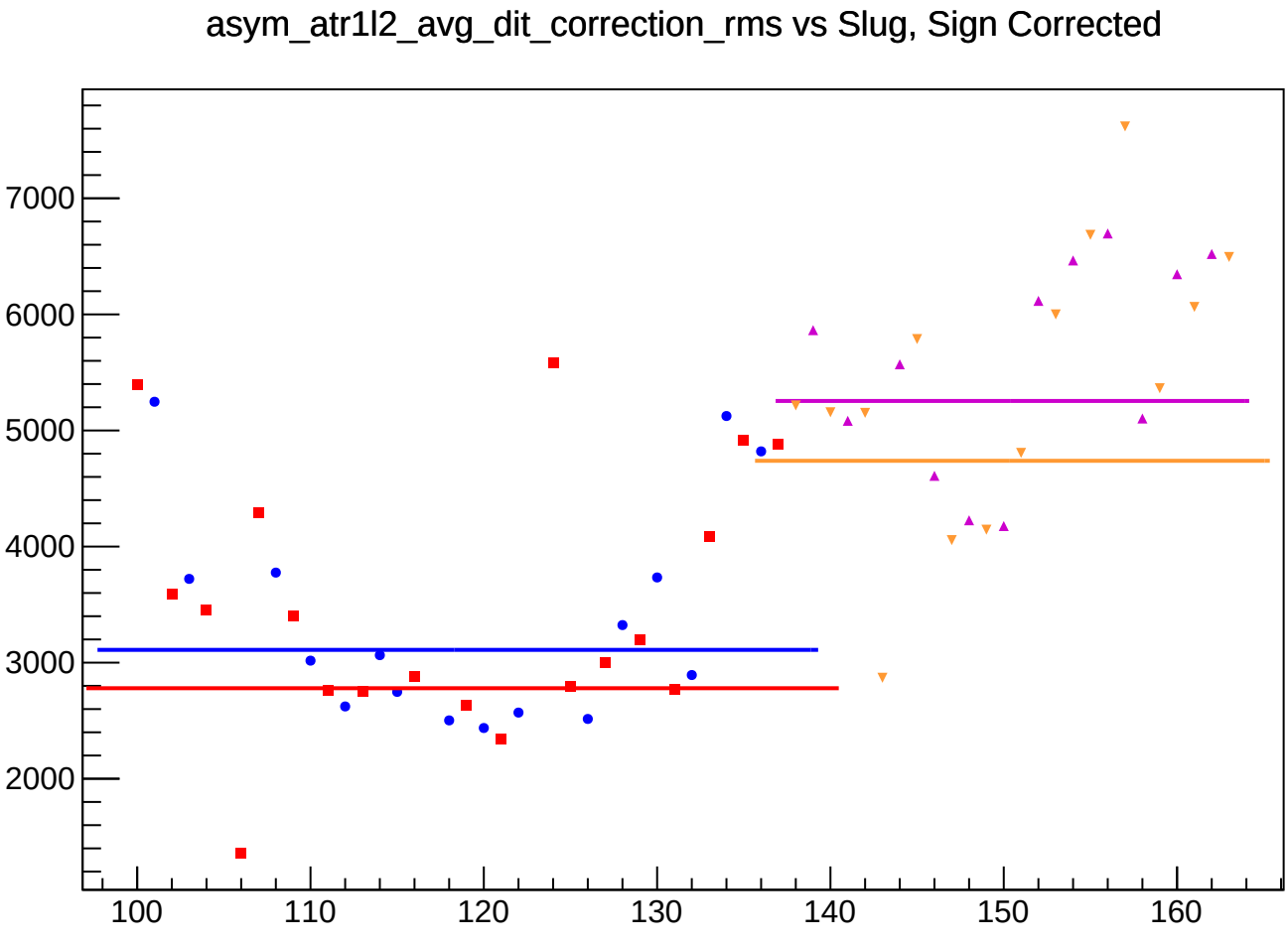
Left: -499.074+/-1102.279 χ^2/NDF: 30.0/25

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 90.070+/-971.766 χ^2/NDF:22.6/27

Out: -173.104+/-865.625 χ^2/NDF:42.8/32

All: -56.669+/-646.371 χ^2/NDF: 65.4/60



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4738.814+/-1.042 χ^2/NDF:1522769.8/13

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5254.331+/-1.174 χ^2/NDF:561284.1/11

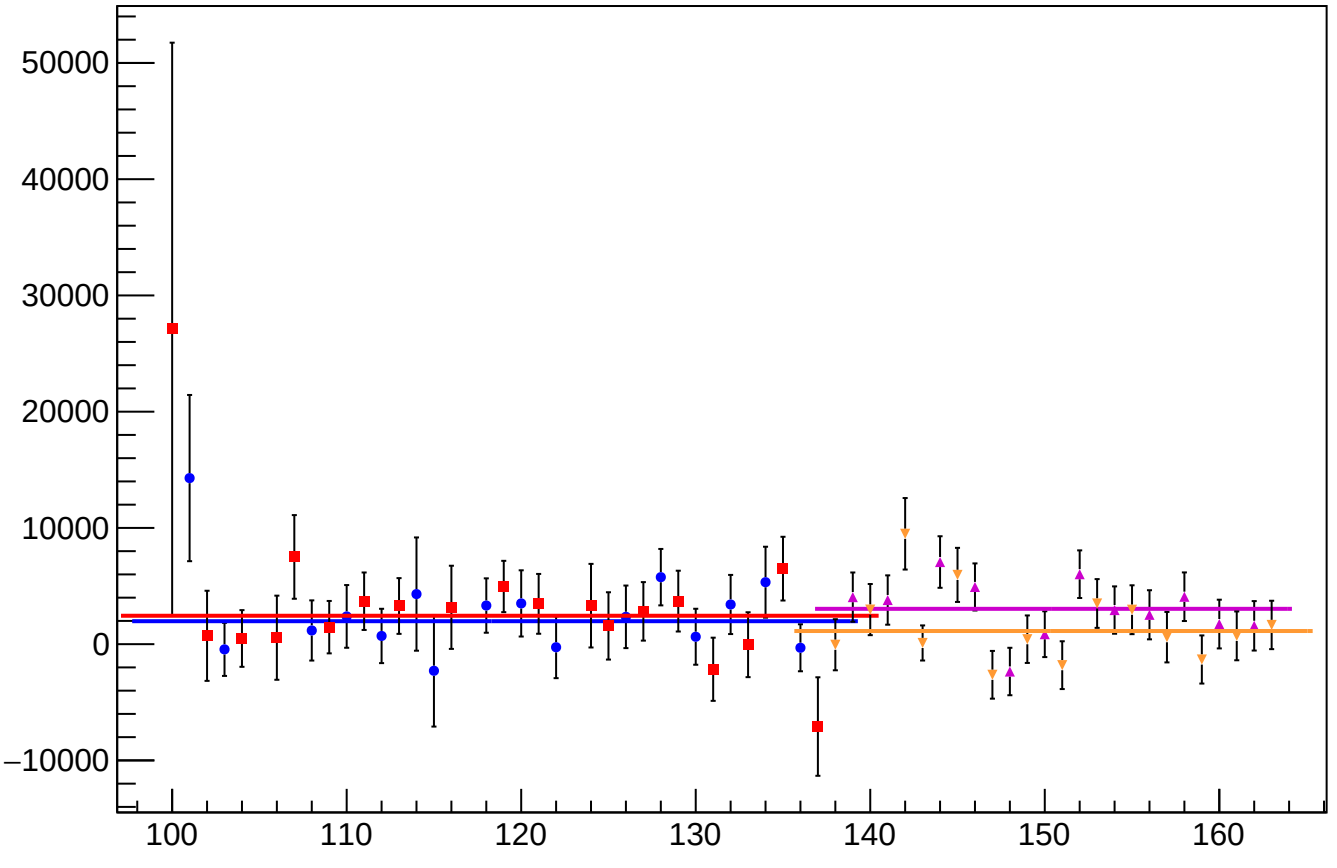
Left: 4966.044+/-0.779 χ^2/NDF: 2191883.3/25

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3844.691+/-0.687 χ^2/NDF:3637560.9/27

Out: 3455.301+/-0.612 χ^2/NDF:5185669.8/32

All: 3627.577+/-0.457 χ^2/NDF: 9002283.0/60



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1130.600+/-557.888 χ^2/NDF:22.3/13

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3039.623+/-600.759 χ^2/NDF:16.0/11

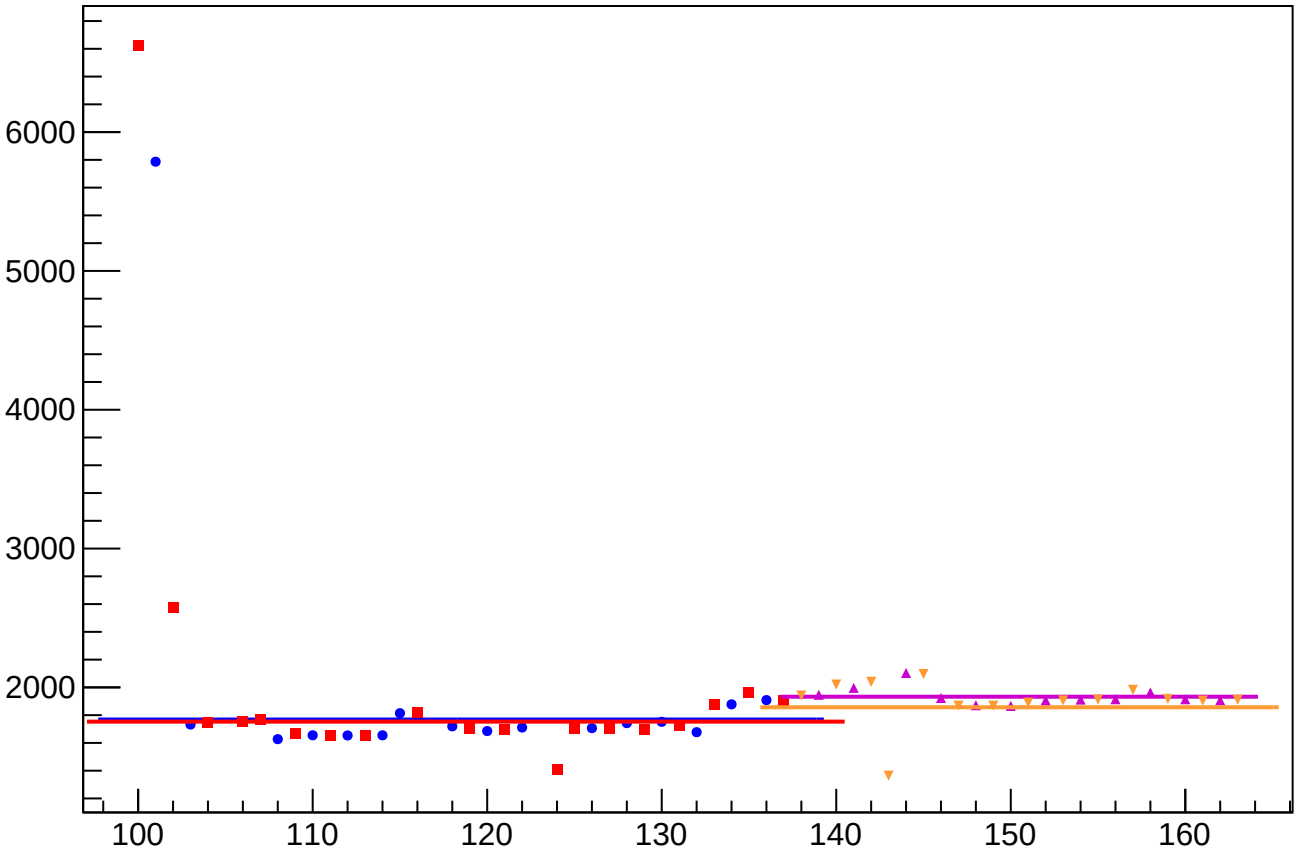
Left: 2014.572+/-408.803 χ^2/NDF: 43.7/25

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2568.701+/-448.493 χ^2/NDF:29.8/27

Out: 1680.279+/-425.441 χ^2/NDF:42.1/32

All: 2101.072+/-308.660 χ^2/NDF: 74.0/60



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1856.841+/-0.394 χ^2/NDF:269069.1/13

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1932.904+/-0.425 χ^2/NDF:19450.3/11

Left: 1892.062+/-0.289 χ^2/NDF: 305734.4/25

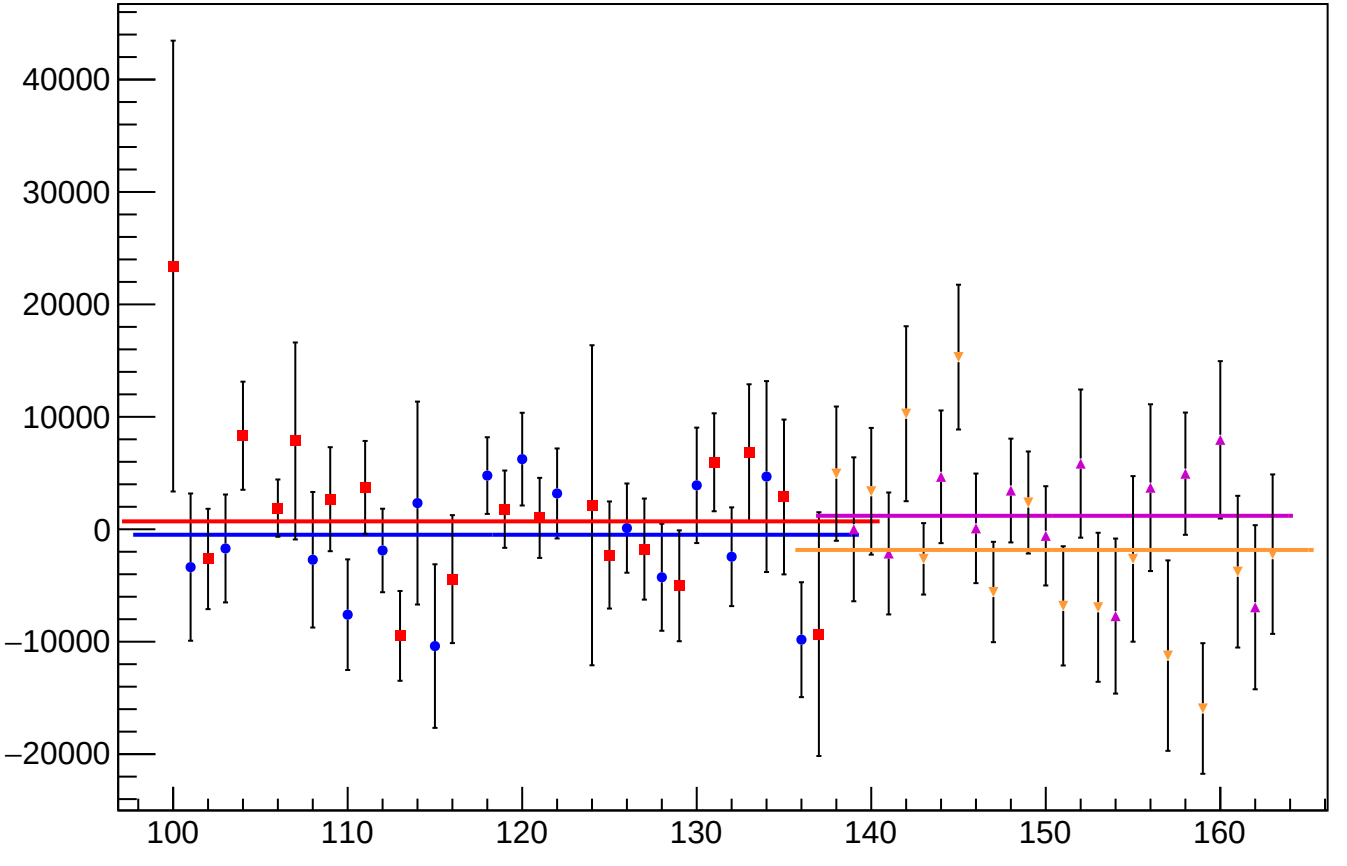
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1860.118+/-0.317 χ^2/NDF:753137.1/27

Out: 1813.415+/-0.300 χ^2/NDF:516804.1/32

All: 1835.509+/-0.218 χ^2/NDF: 1281368.9/60

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: -1837.983+/-1474.010 χ^2/NDF:22.0/13

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1199.604+/-1660.280 χ^2/NDF:6.1/11

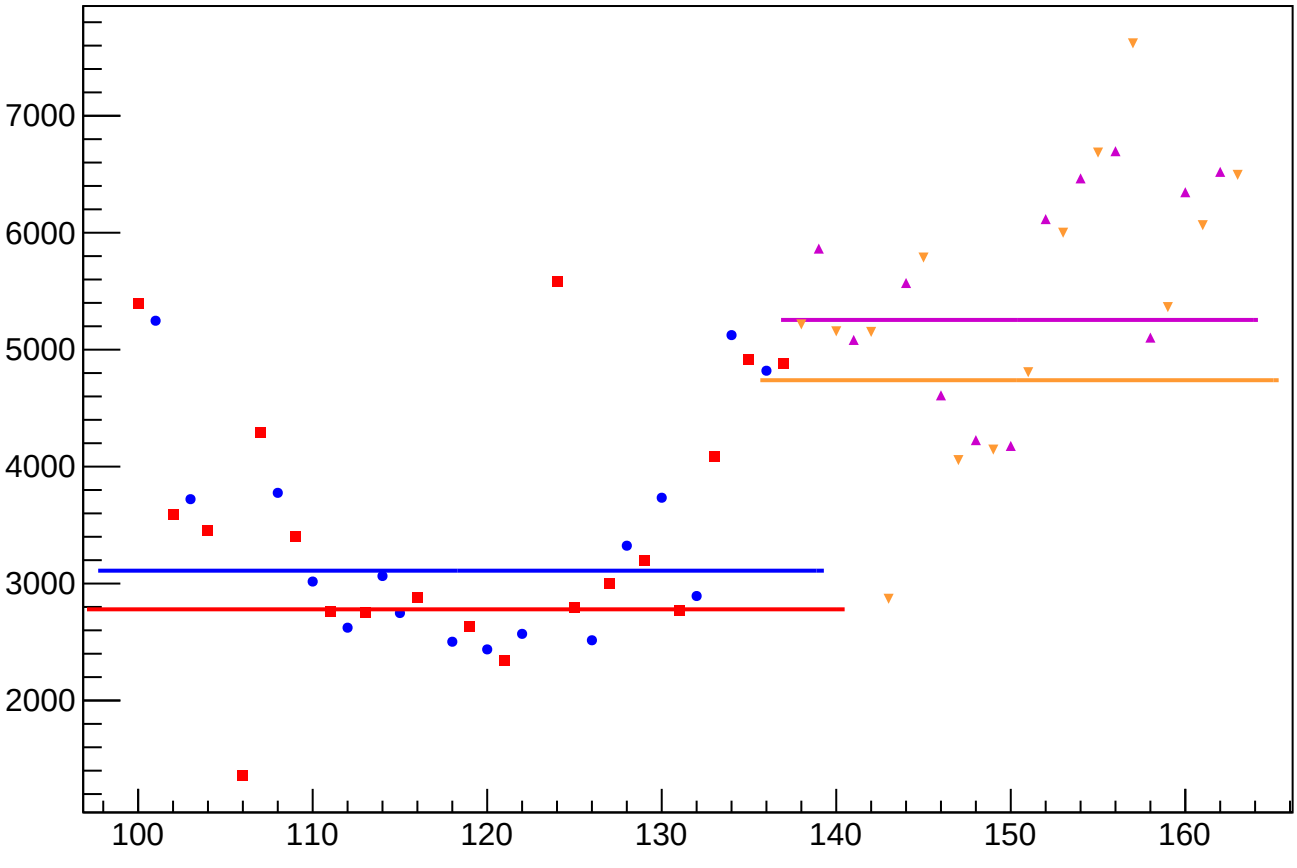
Left: -499.077+/-1102.280 χ^2/NDF: 30.0/25

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 90.071+/-971.764 χ^2/NDF:22.6/27

Out: -173.099+/-865.623 χ^2/NDF:42.8/32

All: -56.666+/-646.369 χ^2/NDF: 65.4/60



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4738.818+/-1.042 χ^2/NDF:1522776.7/13

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5254.337+/-1.174 χ^2/NDF:561287.3/11

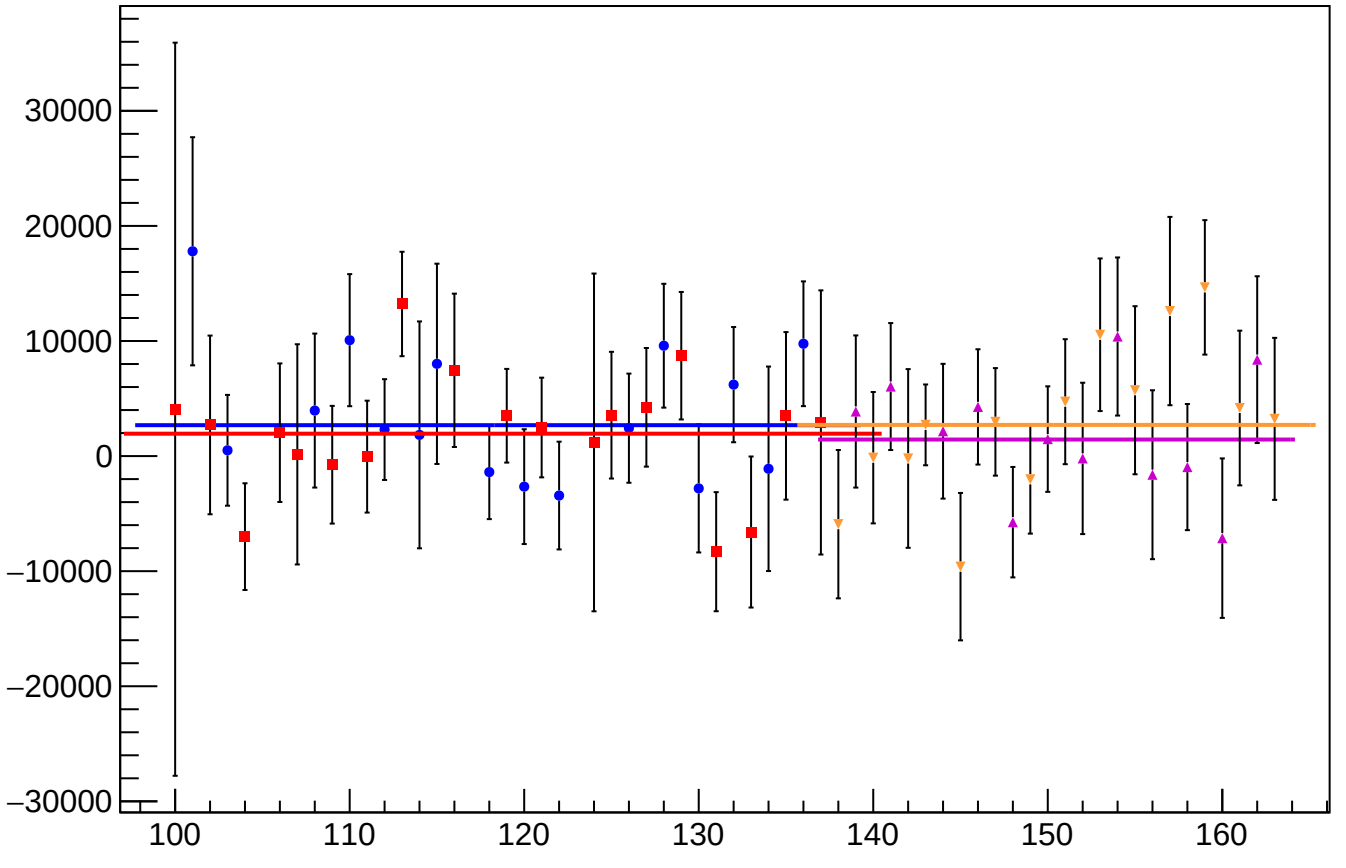
Left: 4966.048+/-0.779 χ^2/NDF: 2191894.0/25

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3844.682+/-0.687 χ^2/NDF:3637609.9/27

Out: 3455.290+/-0.612 χ^2/NDF:5185738.5/32

All: 3627.566+/-0.457 χ^2/NDF: 9002403.1/60



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2709.925+/-1525.929 χ^2/NDF:14.3/13

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1438.262+/-1685.990 χ^2/NDF:8.0/11

Left: 2137.308+/-1131.361 χ^2/NDF: 22.6/25

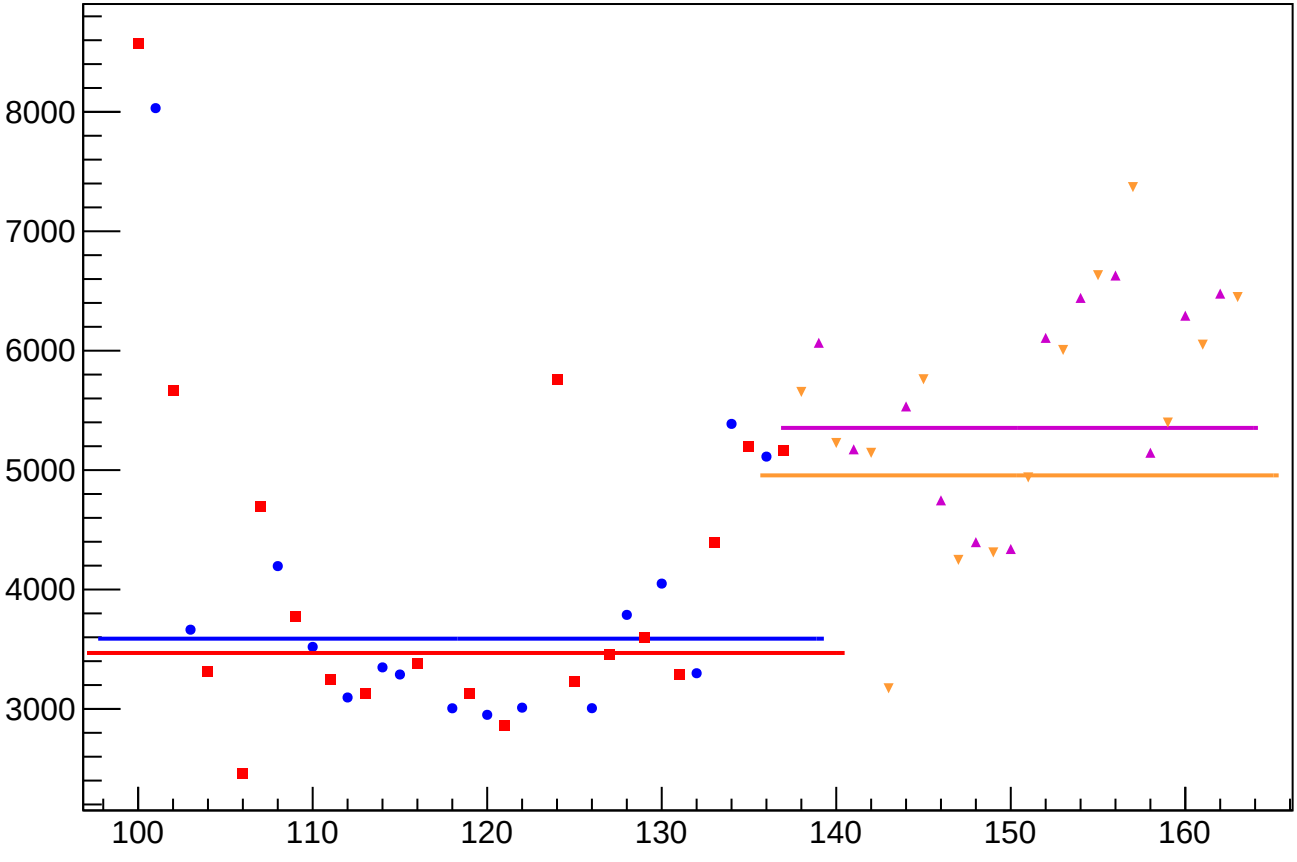
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2185.119+/-1067.846 χ^2/NDF:21.8/27

Out: 2276.462+/-1003.892 χ^2/NDF:33.1/32

All: 2233.607+/-731.423 χ^2/NDF: 54.9/60

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4955.881+/-1.079 χ^2/NDF:1143768.6/13

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5353.424+/-1.192 χ^2/NDF:458737.5/11

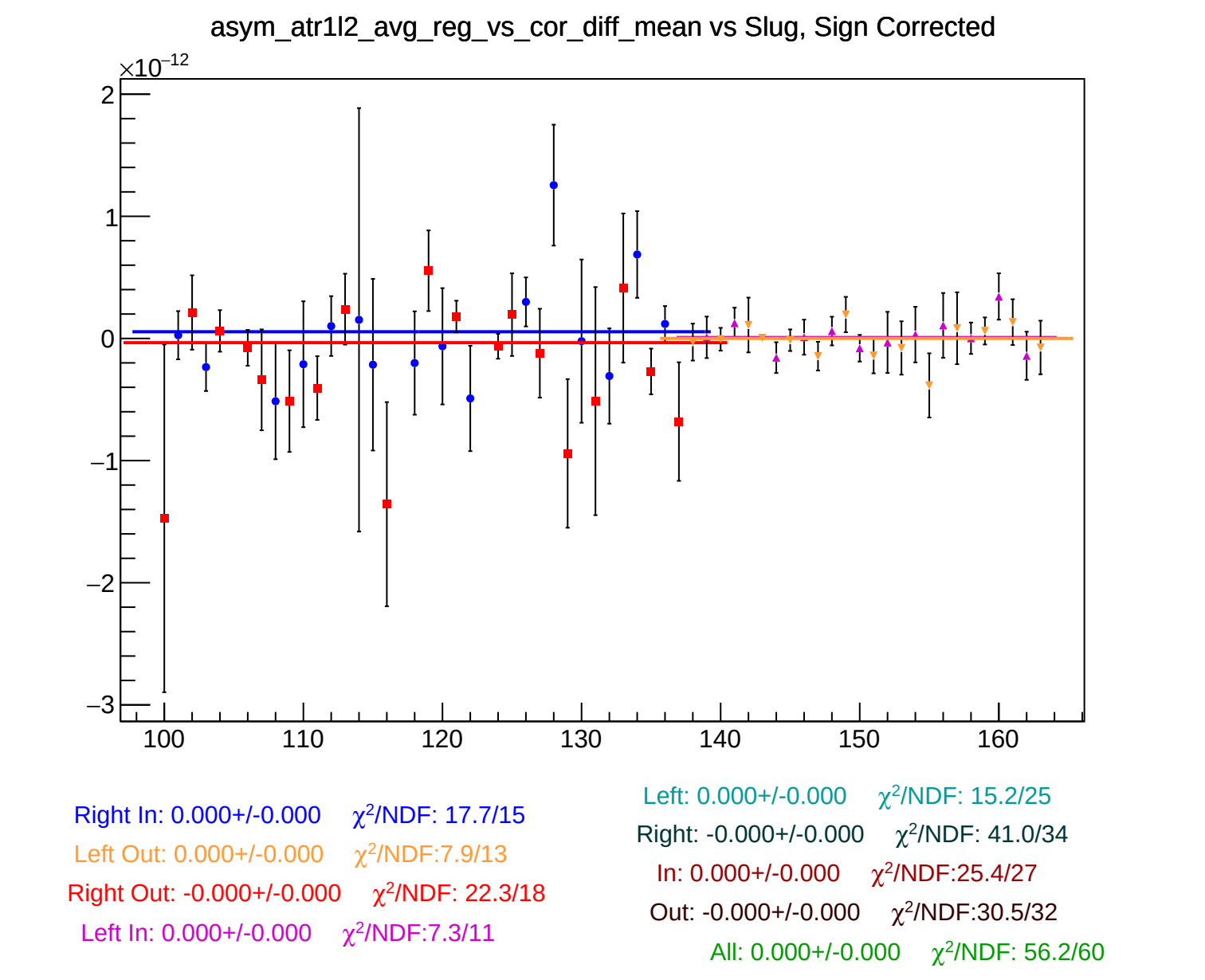
Left: 5134.890+/-0.800 χ^2/NDF: 1663631.3/25

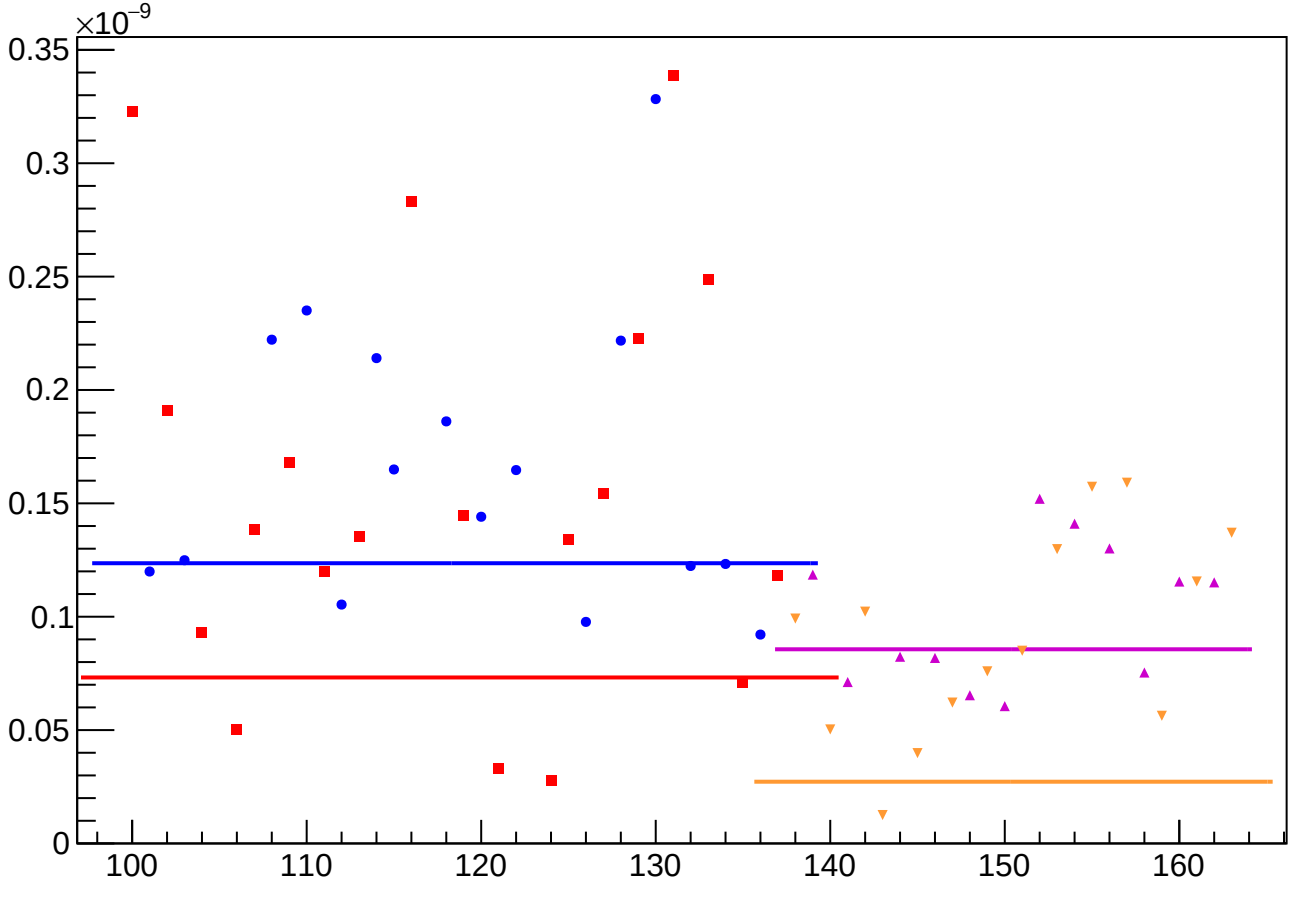
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4296.456+/-0.755 χ^2/NDF:2616532.0/27

Out: 4101.185+/-0.704 χ^2/NDF:2902150.6/32

All: 4191.949+/-0.515 χ^2/NDF: 5554475.6/60


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:7.3/11
Left: 0.000+/-0.000 χ²/NDF: 15.2/25
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:25.4/27
Out: -0.000+/-0.000 χ²/NDF:30.5/32
All: 0.000+/-0.000 χ²/NDF: 56.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:4830376.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:691364.0/11

Left: 0.000+/-0.000 χ^2/NDF: 8526027.5/25

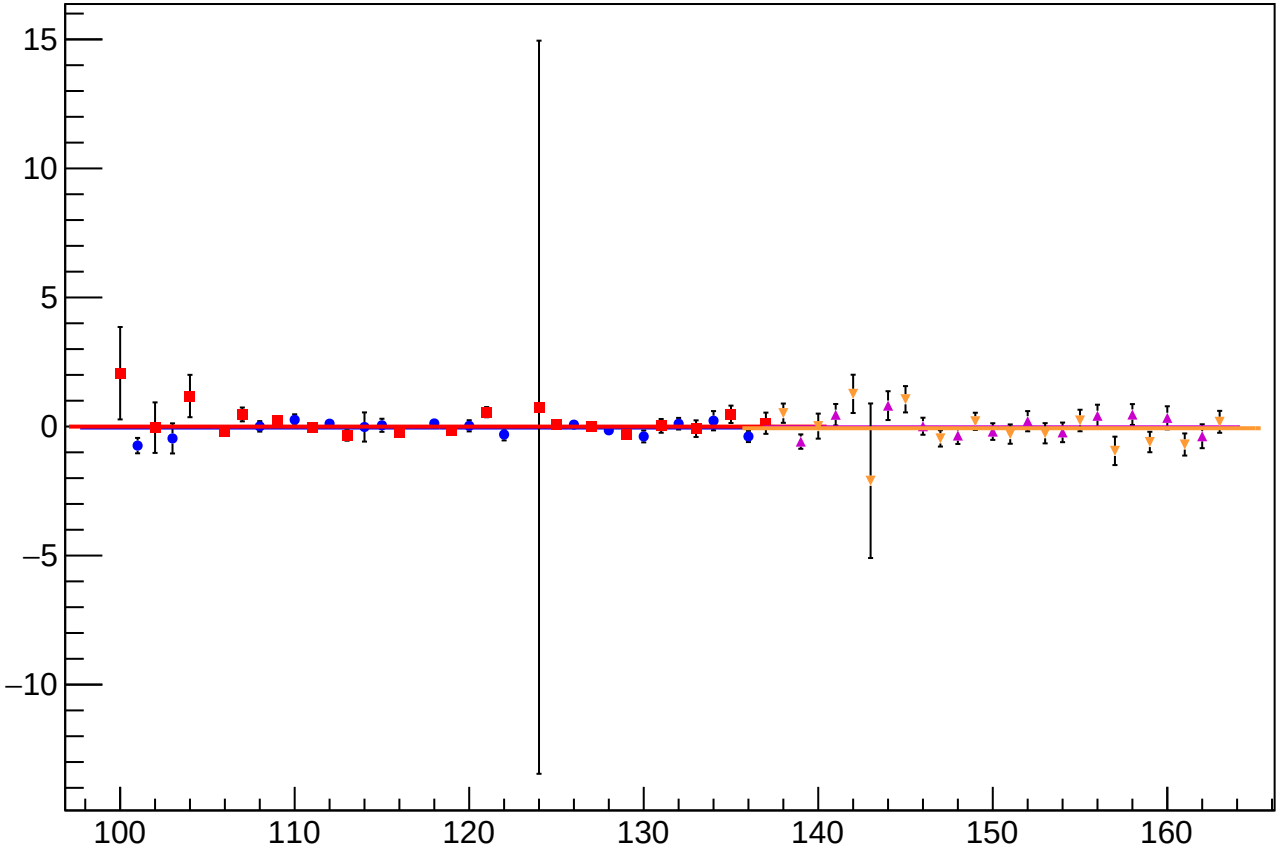
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1751299.9/27

Out: 0.000+/-0.000 χ^2/NDF:8334859.3/32

All: 0.000+/-0.000 χ^2/NDF: 14653219.1/60

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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.030+/-0.109 χ^2/NDF:13.2/11

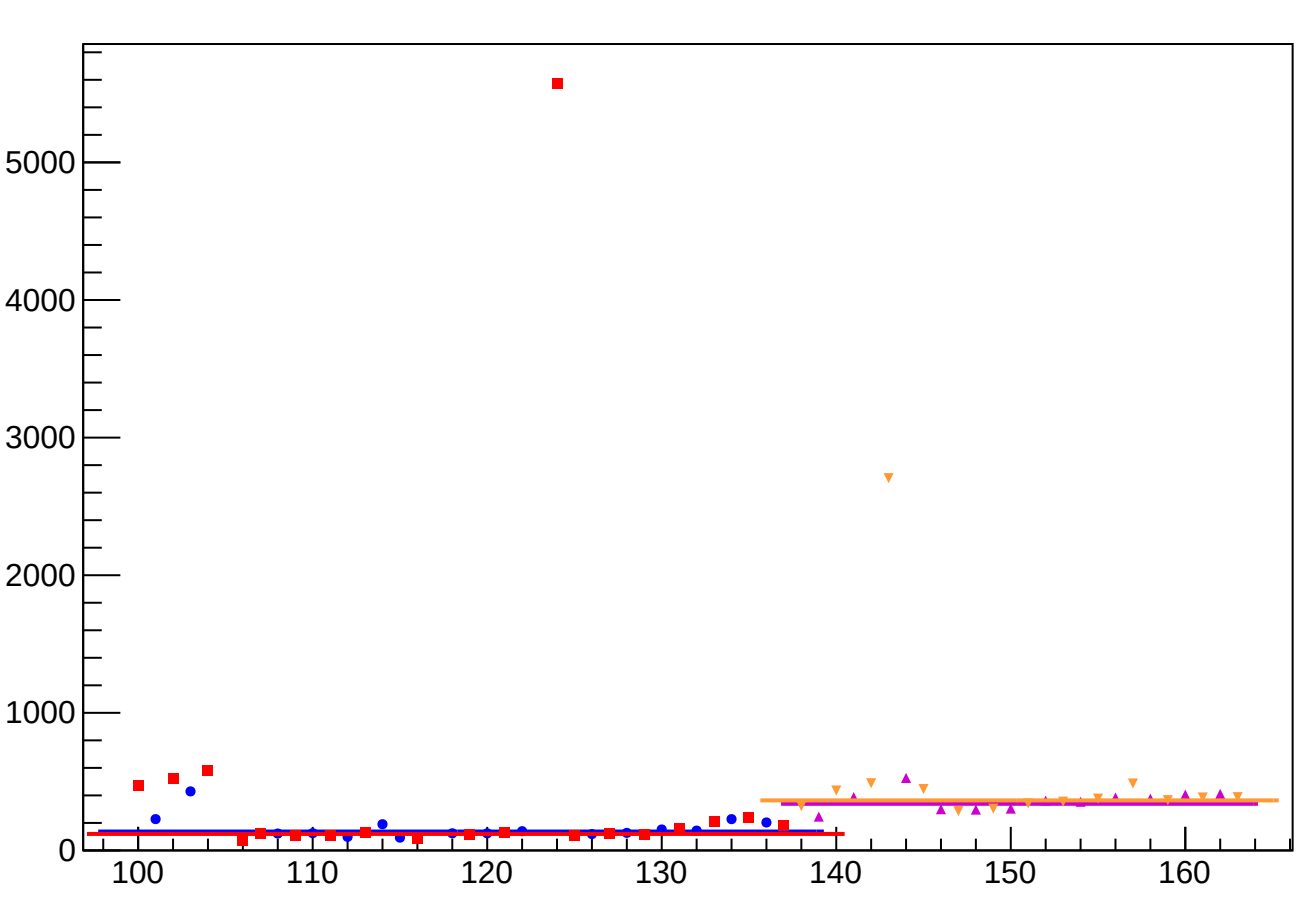
Left: -0.047+/-0.079 χ^2/NDF: 34.5/25

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:31.2/27

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.025+/-0.034 χ^2/NDF: 81.5/60



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 363.811+/-0.081 χ^2/NDF:1706944.6/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.123+/-0.077 χ^2/NDF:704331.1/11

Left: 350.822+/-0.056 χ^2/NDF: 2460173.8/25

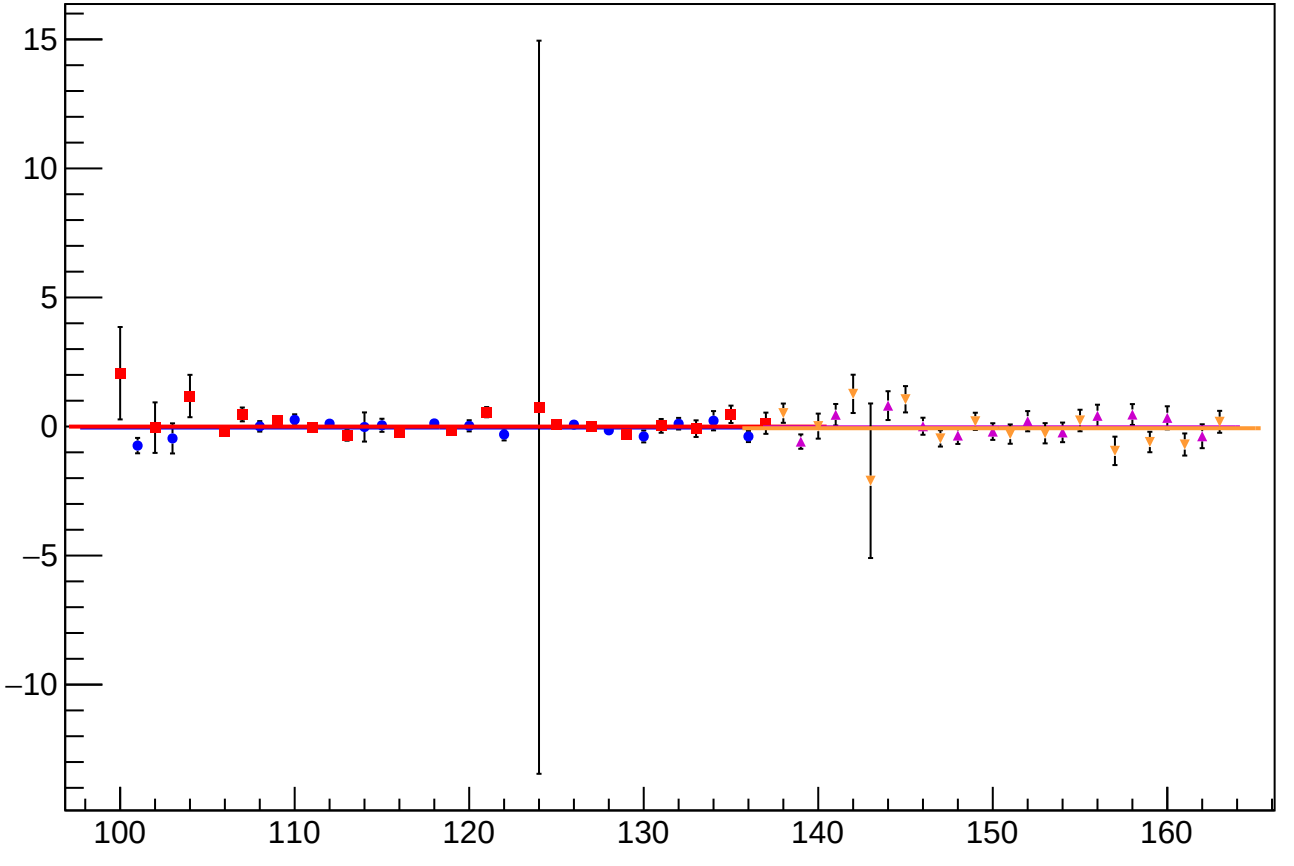
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 179.504+/-0.035 χ^2/NDF:7424161.7/27

Out: 160.257+/-0.033 χ^2/NDF:11414696.0/32

All: 169.256+/-0.024 χ^2/NDF: 18998832.4/60

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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.030+/-0.109 χ^2/NDF:13.2/11

Left: -0.047+/-0.079 χ^2/NDF: 34.5/25

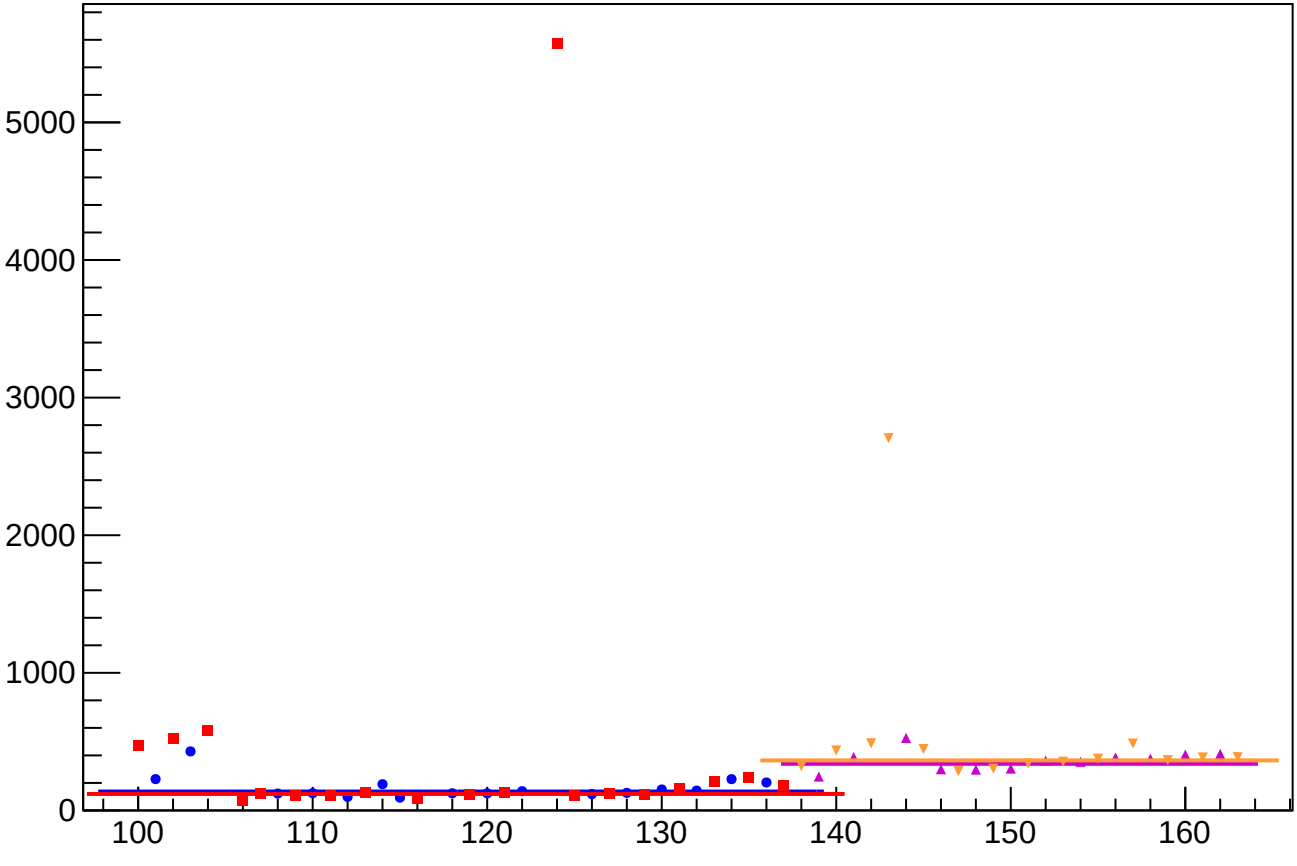
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:31.2/27

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.025+/-0.034 χ^2/NDF: 81.5/60

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: 363.811+/-0.081 χ^2/NDF:1706944.6/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 339.123+/-0.077 χ^2/NDF:704331.1/11

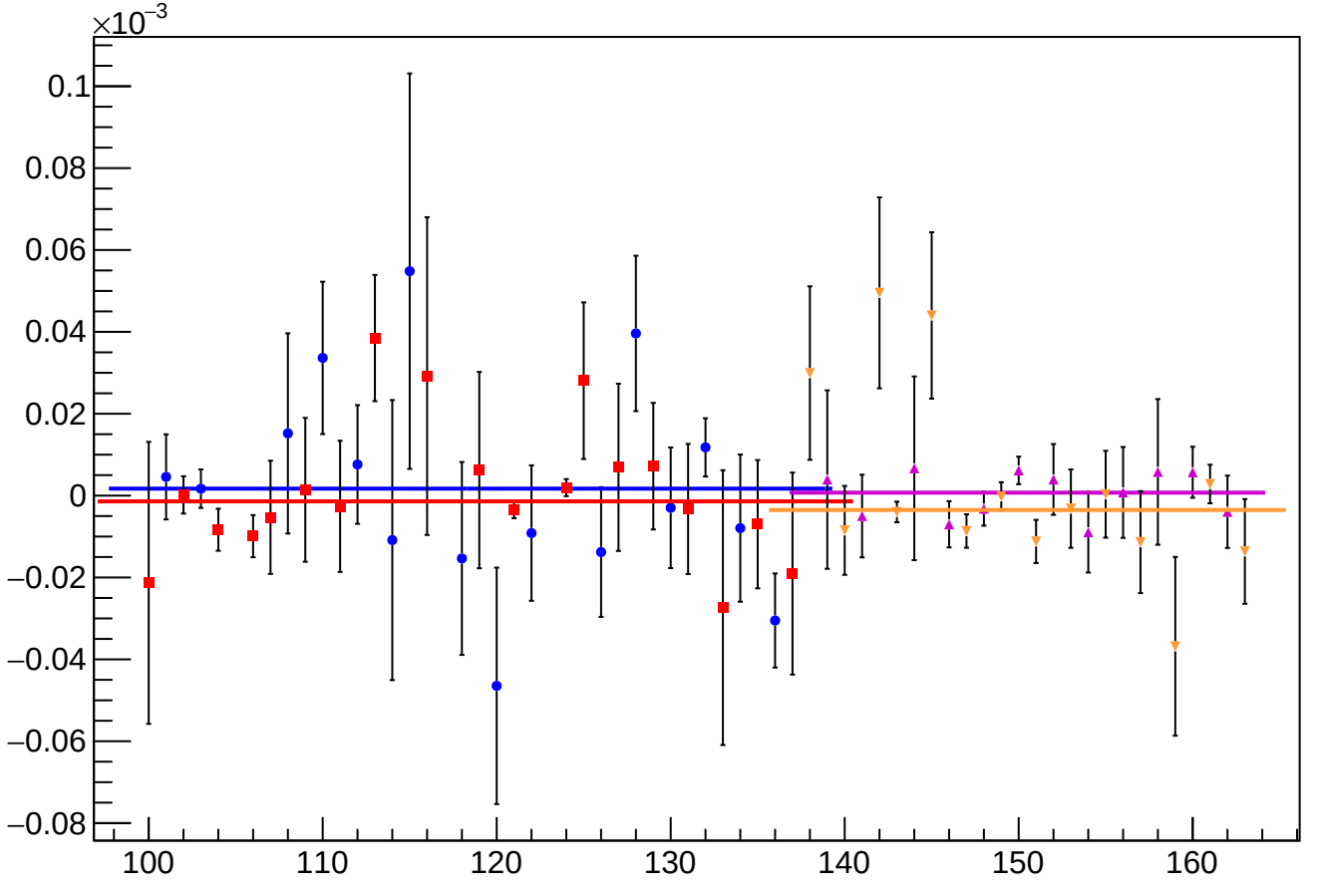
Left: 350.822+/-0.056 χ^2/NDF: 2460173.8/25

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 179.504+/-0.035 χ^2/NDF:7424161.7/27

Out: 160.257+/-0.033 χ^2/NDF:11414696.0/32

All: 169.256+/-0.024 χ^2/NDF: 18998832.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.9/11

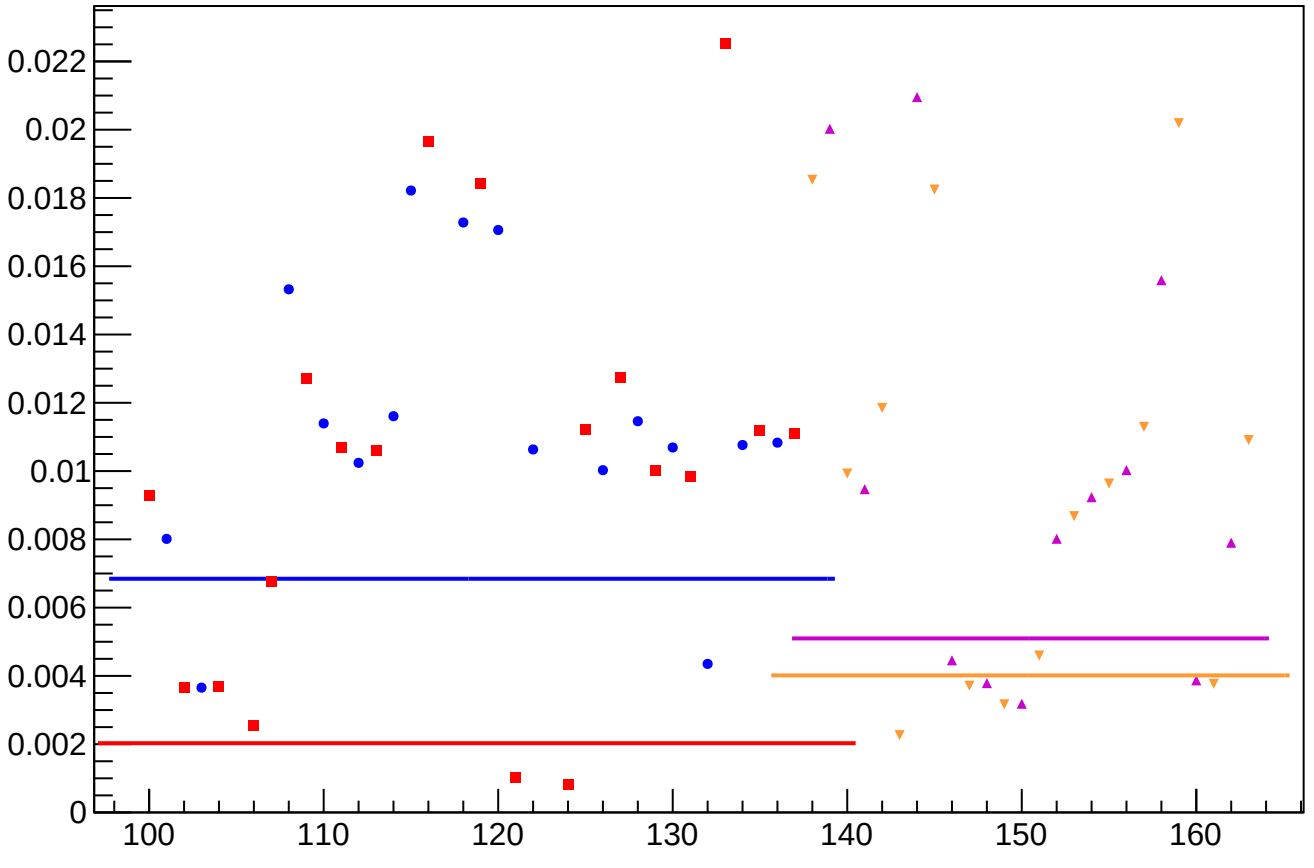
Left: -0.000+/-0.000 χ^2/NDF: 34.1/25

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:31.8/27

Out: -0.000+/-0.000 χ^2/NDF:44.7/32

All: -0.000+/-0.000 χ^2/NDF: 79.5/60



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:7264850.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5135310.1/11

Left: 0.004+/-0.000 χ^2/NDF: 12785637.7/25

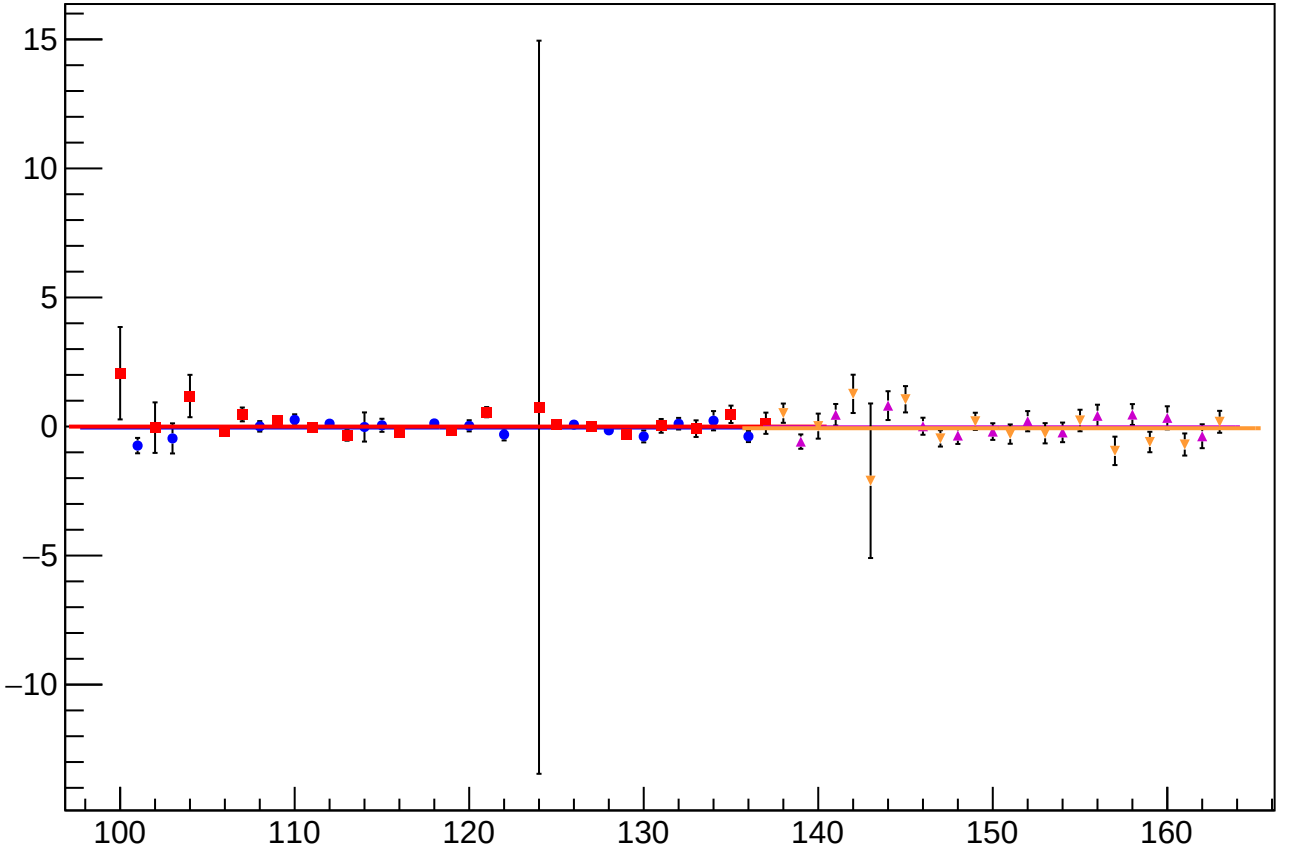
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.006+/-0.000 χ^2/NDF:8851427.4/27

Out: 0.003+/-0.000 χ^2/NDF:18296916.5/32

All: 0.004+/-0.000 χ^2/NDF: 31494376.2/60

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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.030+/-0.109 χ^2/NDF:13.2/11

Left: -0.047+/-0.079 χ^2/NDF: 34.5/25

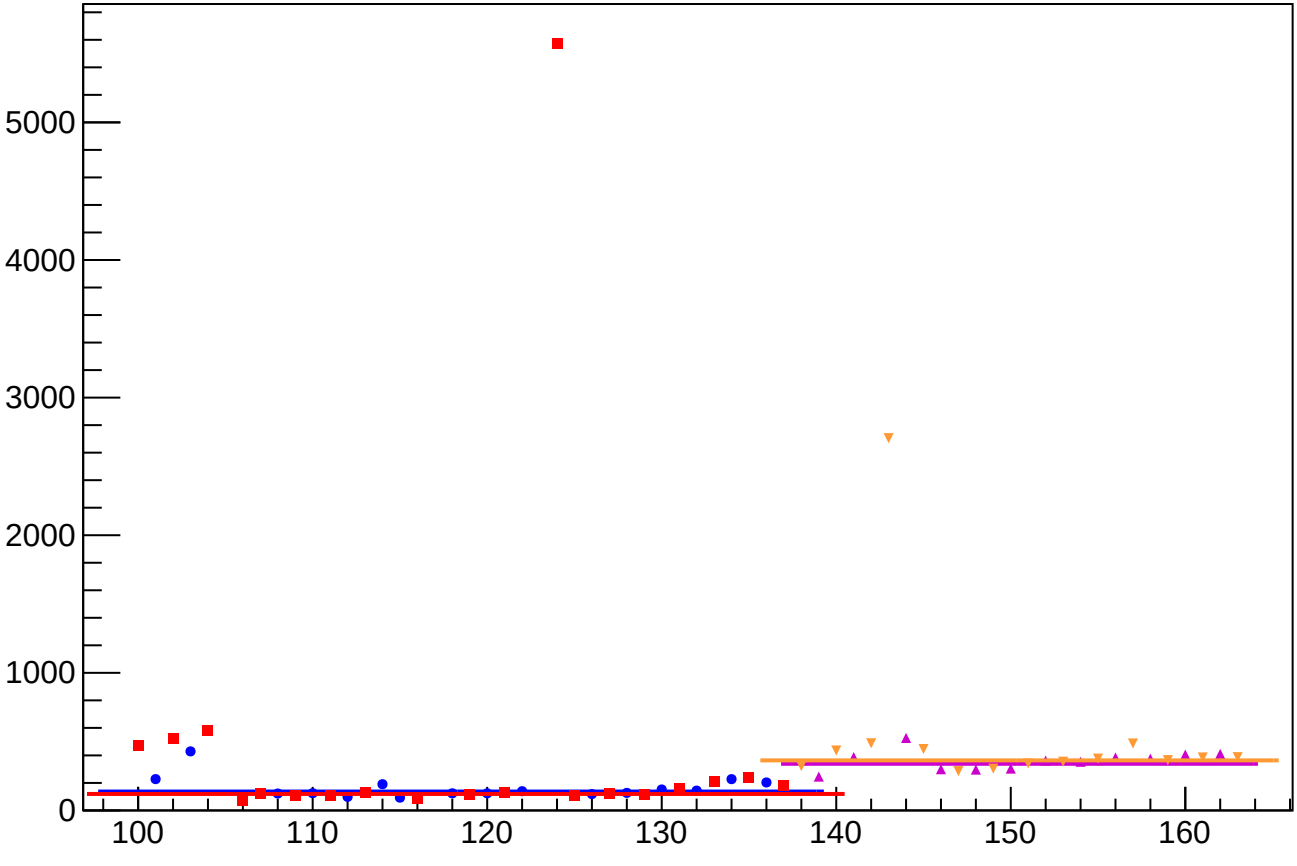
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:31.2/27

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.025+/-0.034 χ^2/NDF: 81.5/60

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: 363.814+/-0.081 χ^2/NDF:1706985.7/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.128+/-0.077 χ^2/NDF:704325.0/11

Left: 350.826+/-0.056 χ^2/NDF: 2460203.6/25

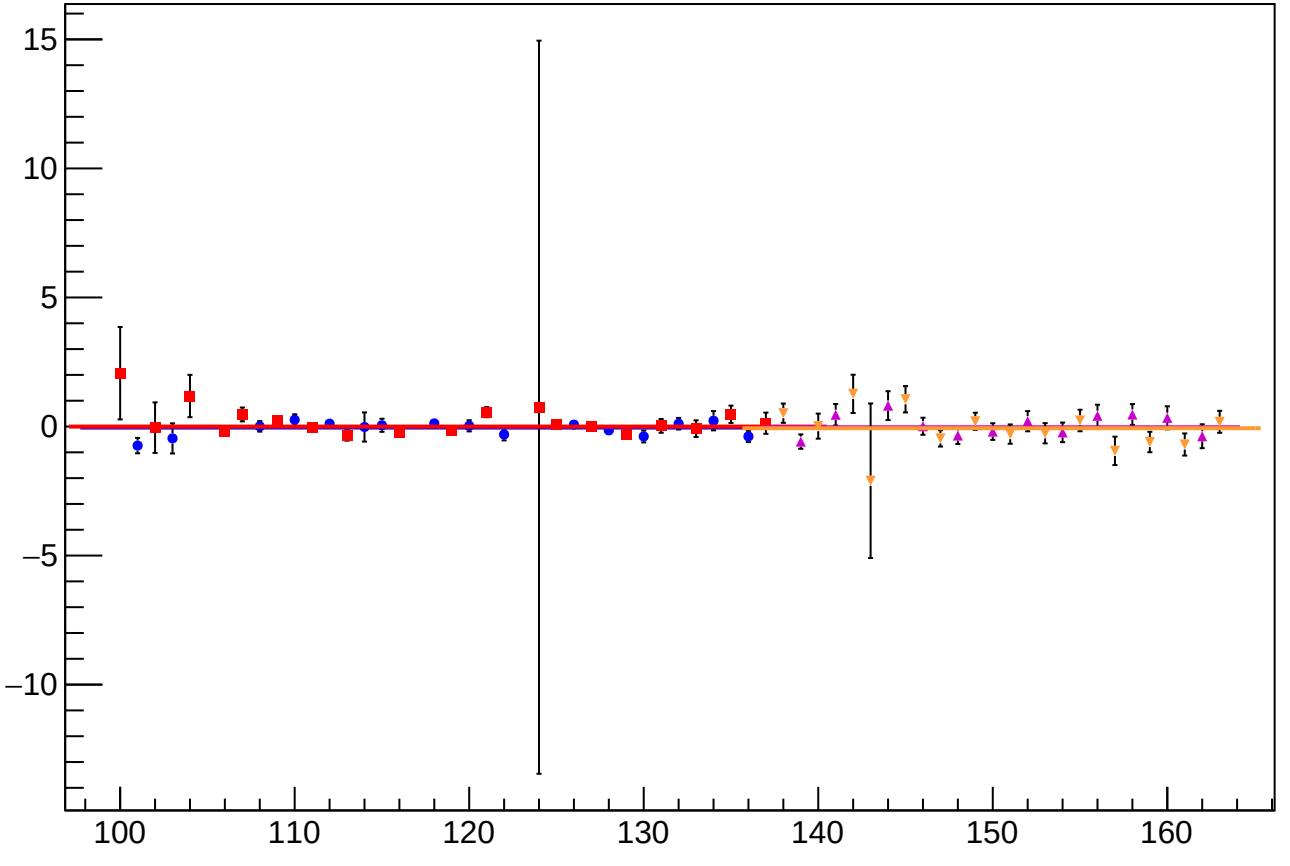
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 179.505+/-0.035 χ^2/NDF:7424171.3/27

Out: 160.257+/-0.033 χ^2/NDF:11414759.8/32

All: 169.257+/-0.024 χ^2/NDF: 18998926.9/60

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: -0.067+/-0.115 χ^2/NDF:21.2/13

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.030+/-0.109 χ^2/NDF:13.2/11

Left: -0.047+/-0.079 χ^2/NDF: 34.5/25

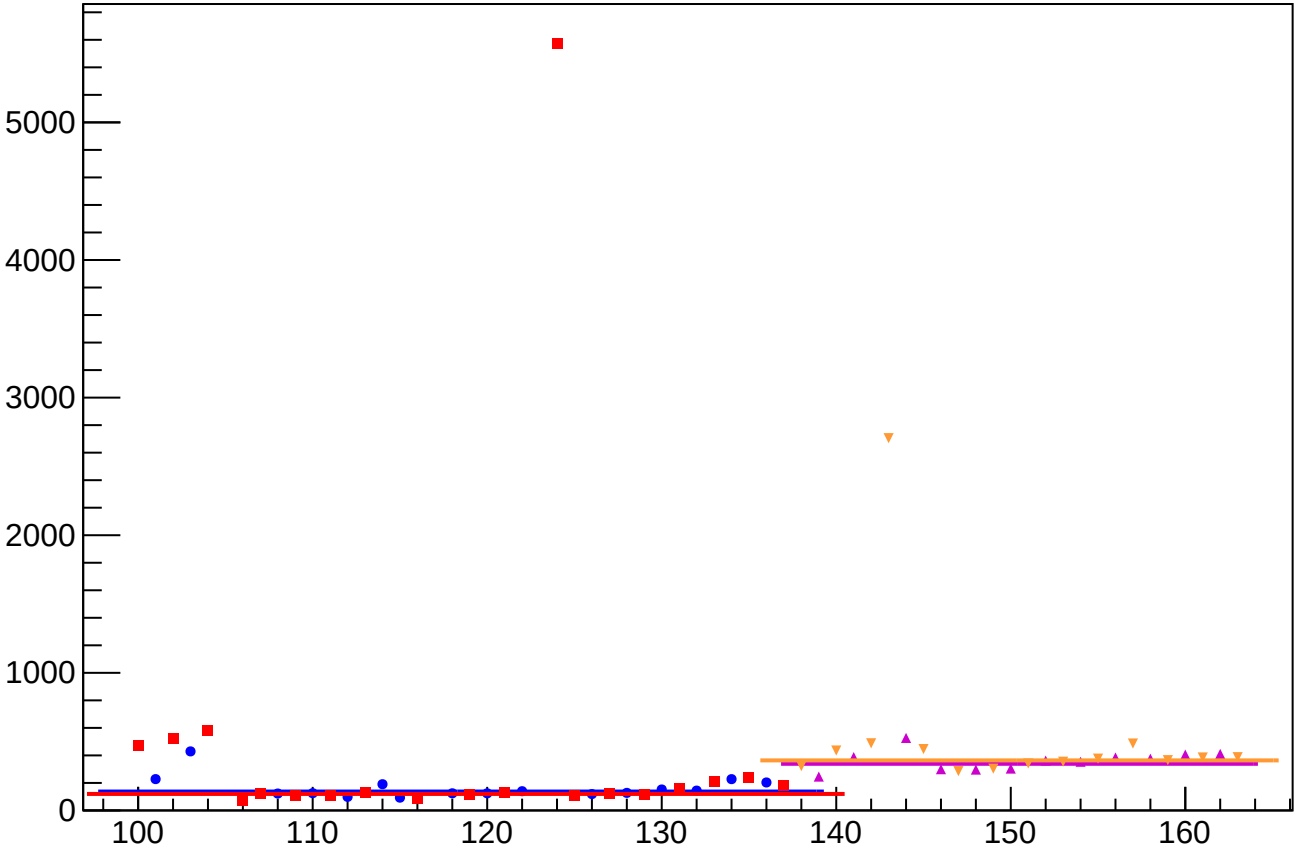
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.038+/-0.050 χ^2/NDF:31.2/27

Out: -0.013+/-0.047 χ^2/NDF:50.2/32

All: -0.025+/-0.034 χ^2/NDF: 81.5/60

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: 363.814+/-0.081 χ^2/NDF:1706985.7/13

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 339.128+/-0.077 χ^2/NDF:704325.0/11

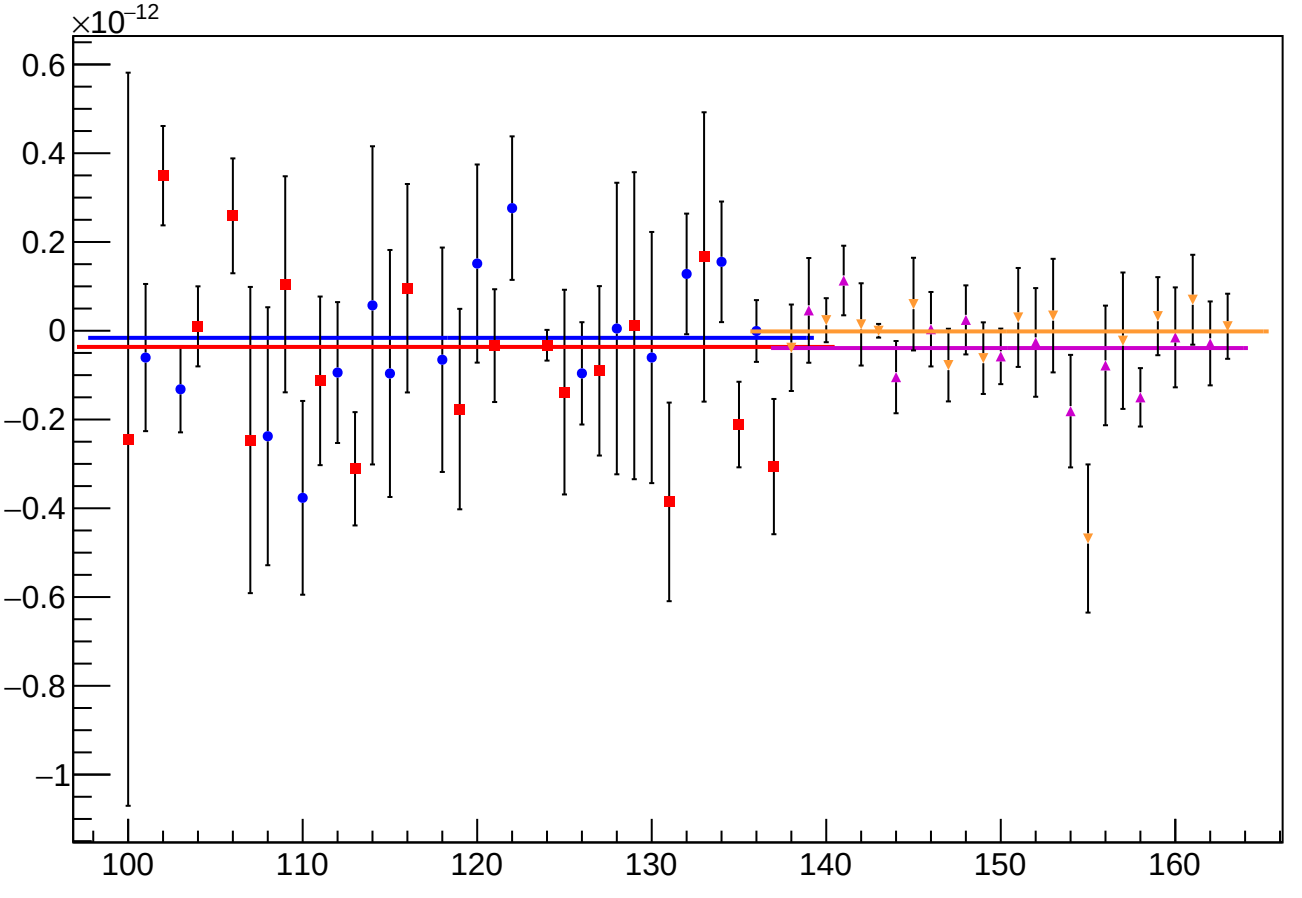
Left: 350.826+/-0.056 χ^2/NDF: 2460203.6/25

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 179.505+/-0.035 χ^2/NDF:7424171.3/27

Out: 160.257+/-0.033 χ^2/NDF:11414759.8/32

All: 169.257+/-0.024 χ^2/NDF: 18998926.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/11

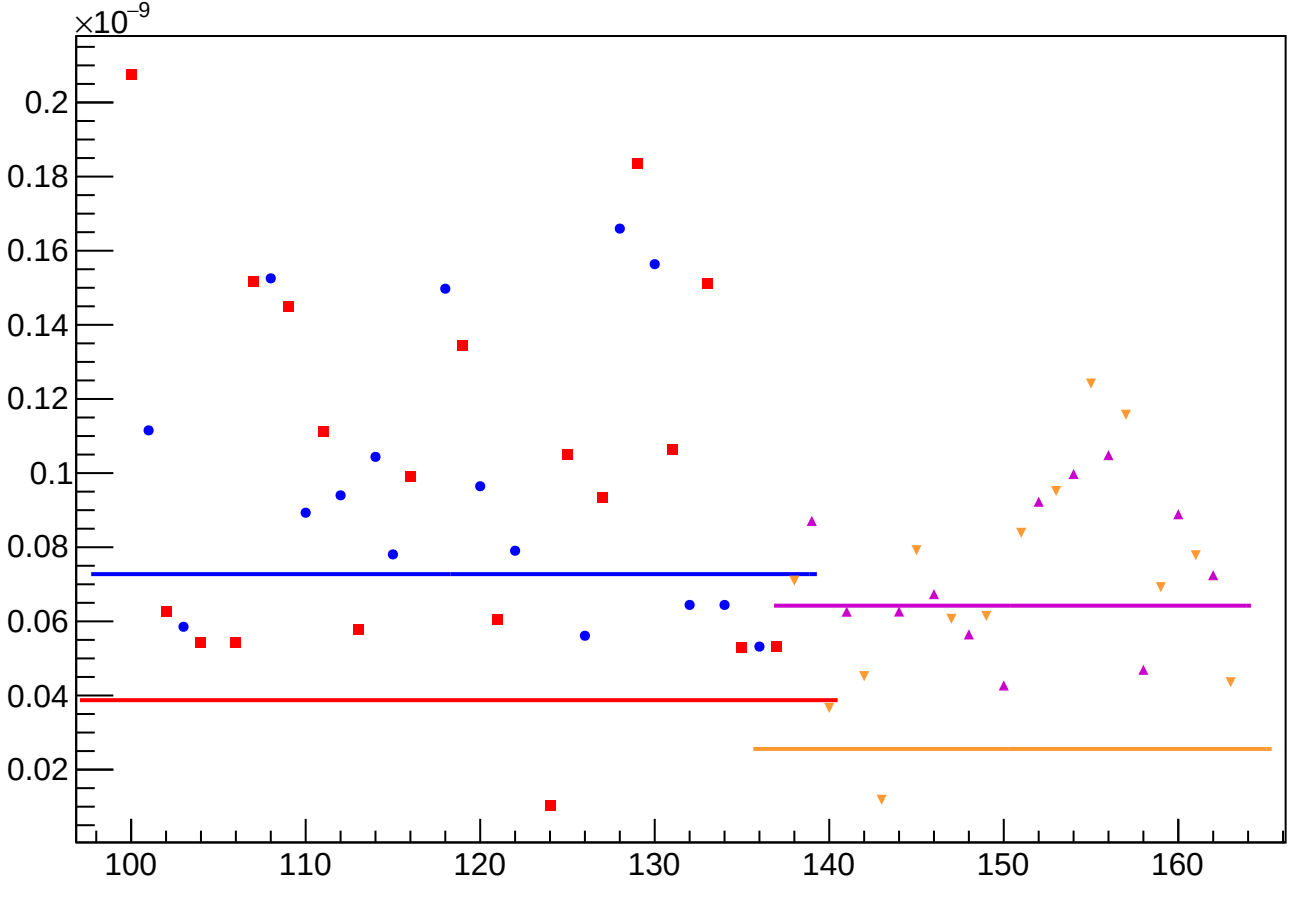
Left: -0.000+/-0.000 χ^2/NDF: 22.8/25

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:22.8/27

Out: -0.000+/-0.000 χ^2/NDF:45.5/32

All: -0.000+/-0.000 χ^2/NDF: 69.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7165487.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1029174.7/11

Left: 0.000+/-0.000 χ^2/NDF: 11863616.5/25

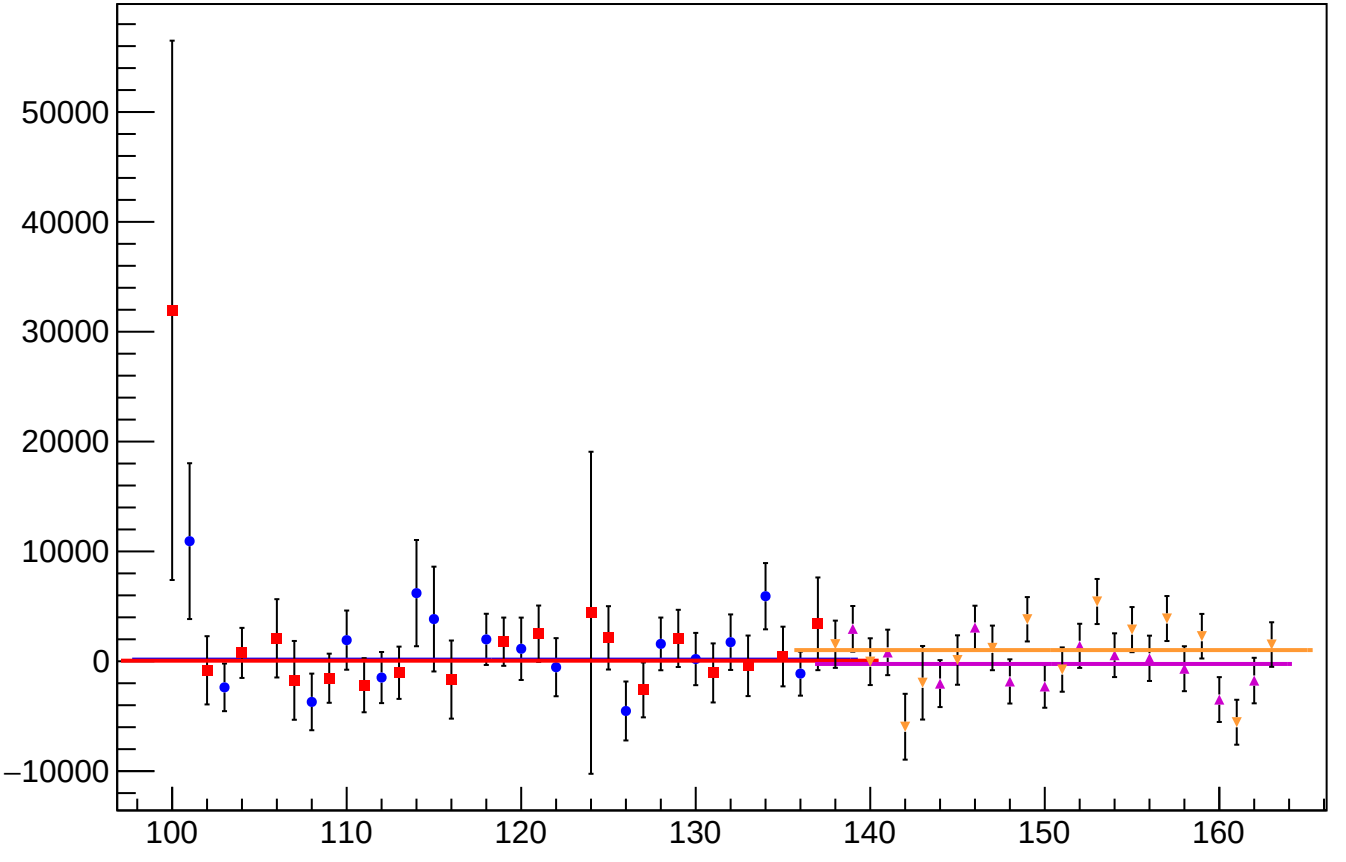
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:2228605.5/27

Out: 0.000+/-0.000 χ^2/NDF:11855603.4/32

All: 0.000+/-0.000 χ^2/NDF: 19269503.3/60

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1018.339+/-576.771 χ^2/NDF:27.6/13

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -244.315+/-587.566 χ^2/NDF:11.8/11

Left: 398.718+/-411.602 χ^2/NDF: 41.8/25

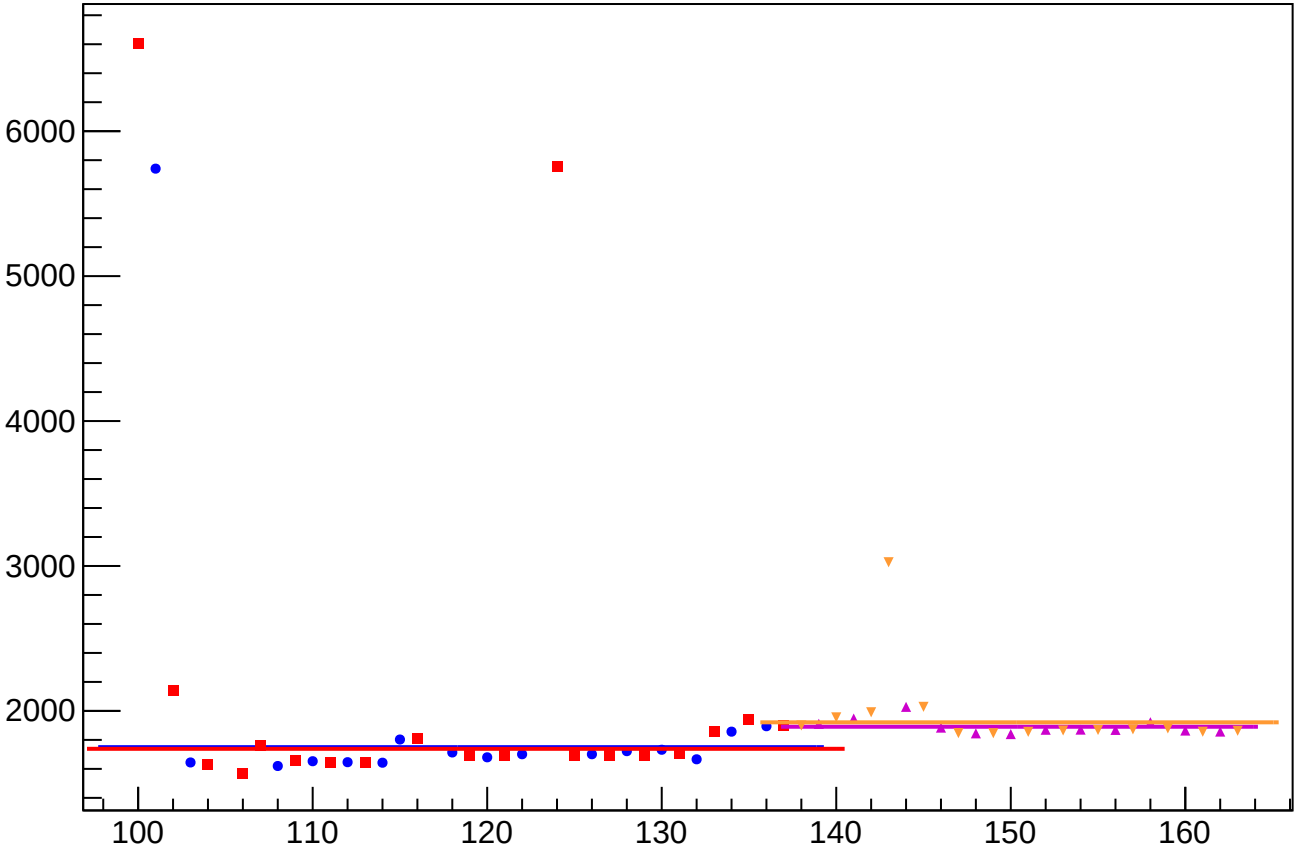
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -71.717+/-440.903 χ^2/NDF:29.7/27

Out: 597.407+/-432.945 χ^2/NDF:37.8/32

All: 268.939+/-308.913 χ^2/NDF: 68.6/60

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1921.246+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1890.810+/-0.415 χ^2/NDF:14279.4/11

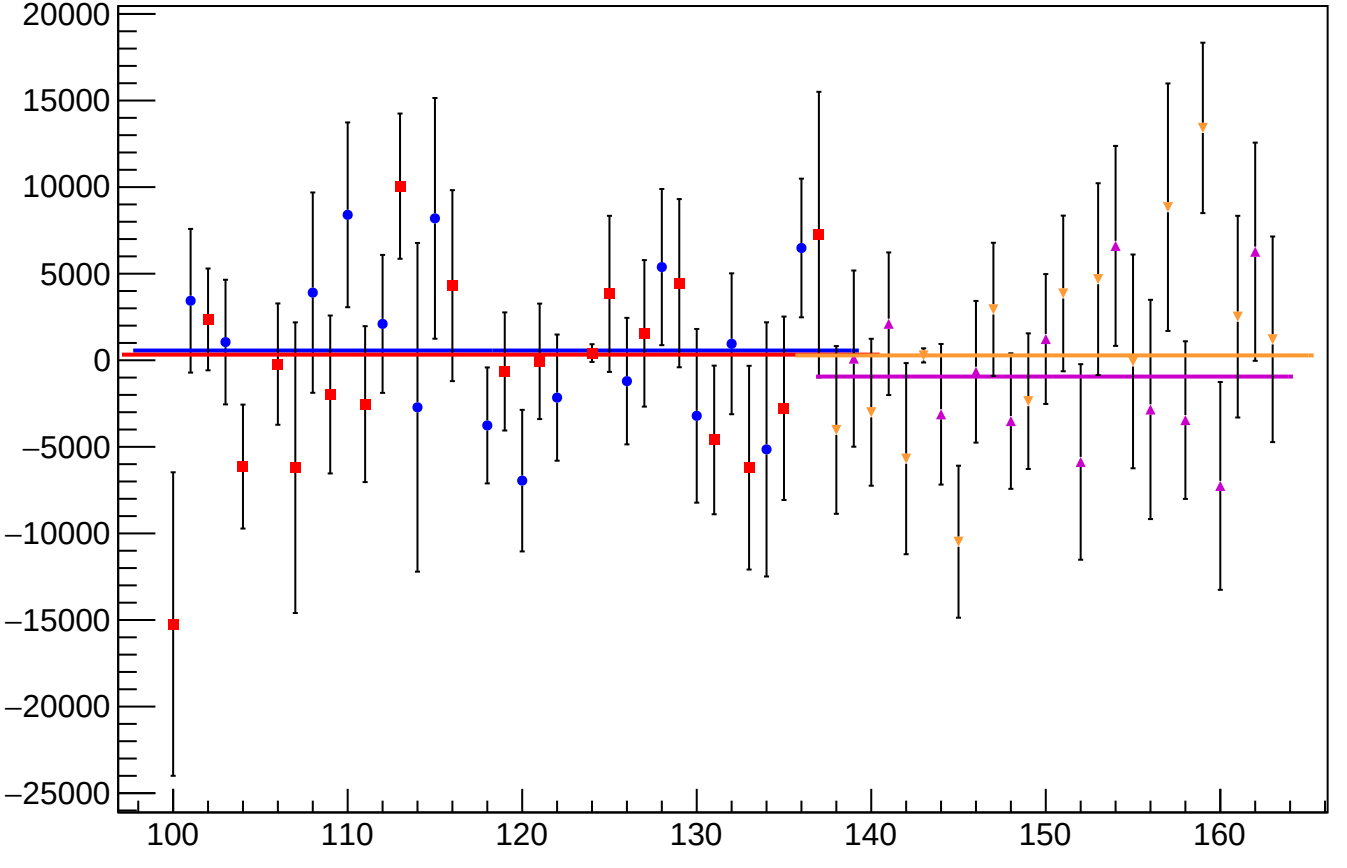
Left: 1906.310+/-0.291 χ^2/NDF: 256908.4/25

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1829.229+/-0.312 χ^2/NDF:734137.8/27

Out: 1840.804+/-0.305 χ^2/NDF:632773.3/32

All: 1835.140+/-0.218 χ^2/NDF: 1367615.2/60



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 281.255+/-391.693 χ^2/NDF:19.5/13

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -941.212+/-1358.444 χ^2/NDF:6.9/11

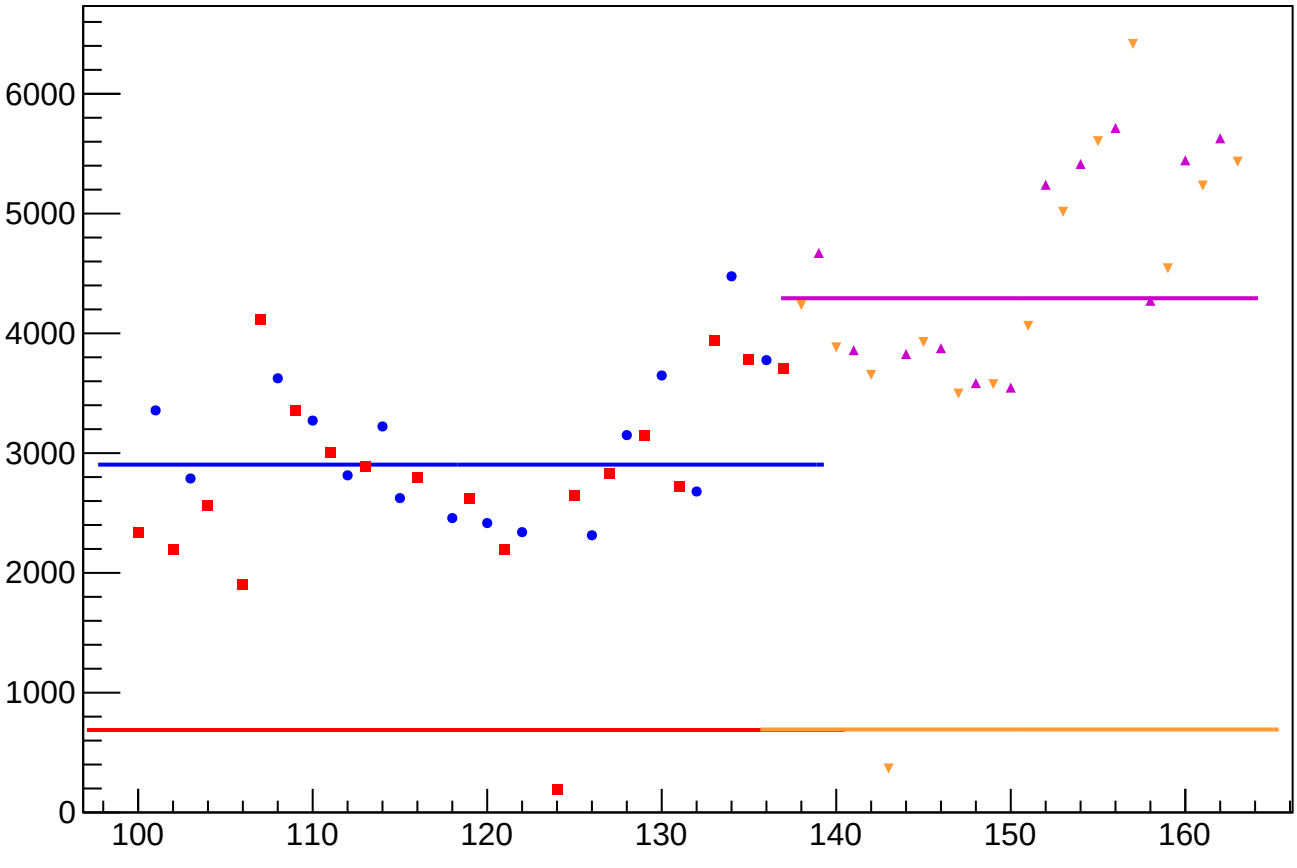
Left: 187.421+/-376.360 χ^2/NDF: 27.2/25

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -33.863+/-855.420 χ^2/NDF:22.5/27

Out: 299.976+/-297.663 χ^2/NDF:38.7/32

All: 263.919+/-281.129 χ^2/NDF: 61.3/60



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 692.583+/-0.277 χ^2/NDF:15884071.5/13

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4293.288+/-0.961 χ^2/NDF:620977.8/11

Left: 968.966+/-0.266 χ^2/NDF: 29477956.3/25

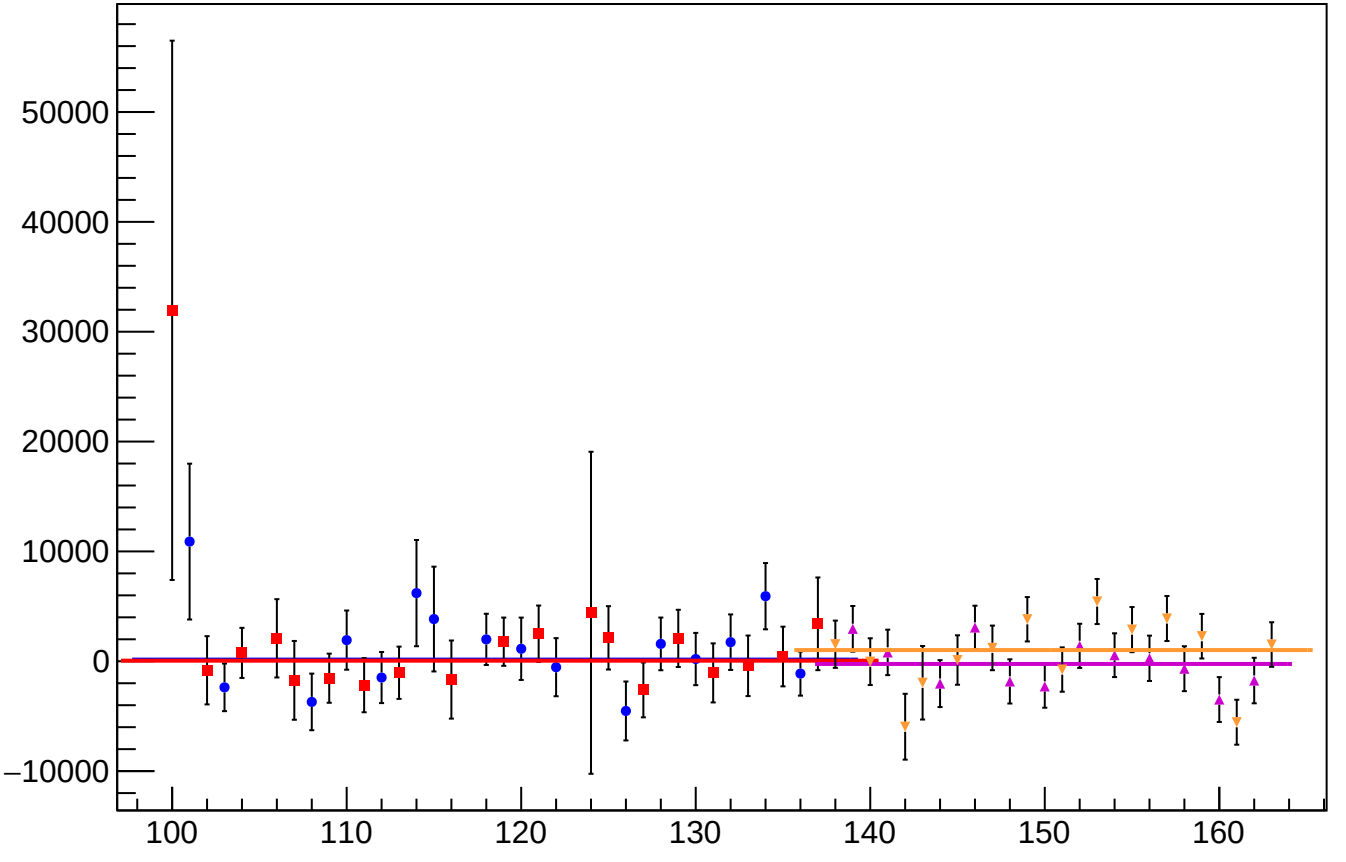
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3454.930+/-0.605 χ^2/NDF:2363016.4/27

Out: 690.782+/-0.210 χ^2/NDF:26033085.8/32

All: 989.330+/-0.199 χ^2/NDF: 47023621.4/60

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1018.299+/-576.771 χ^2/NDF:27.6/13

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -244.303+/-587.566 χ^2/NDF:11.8/11

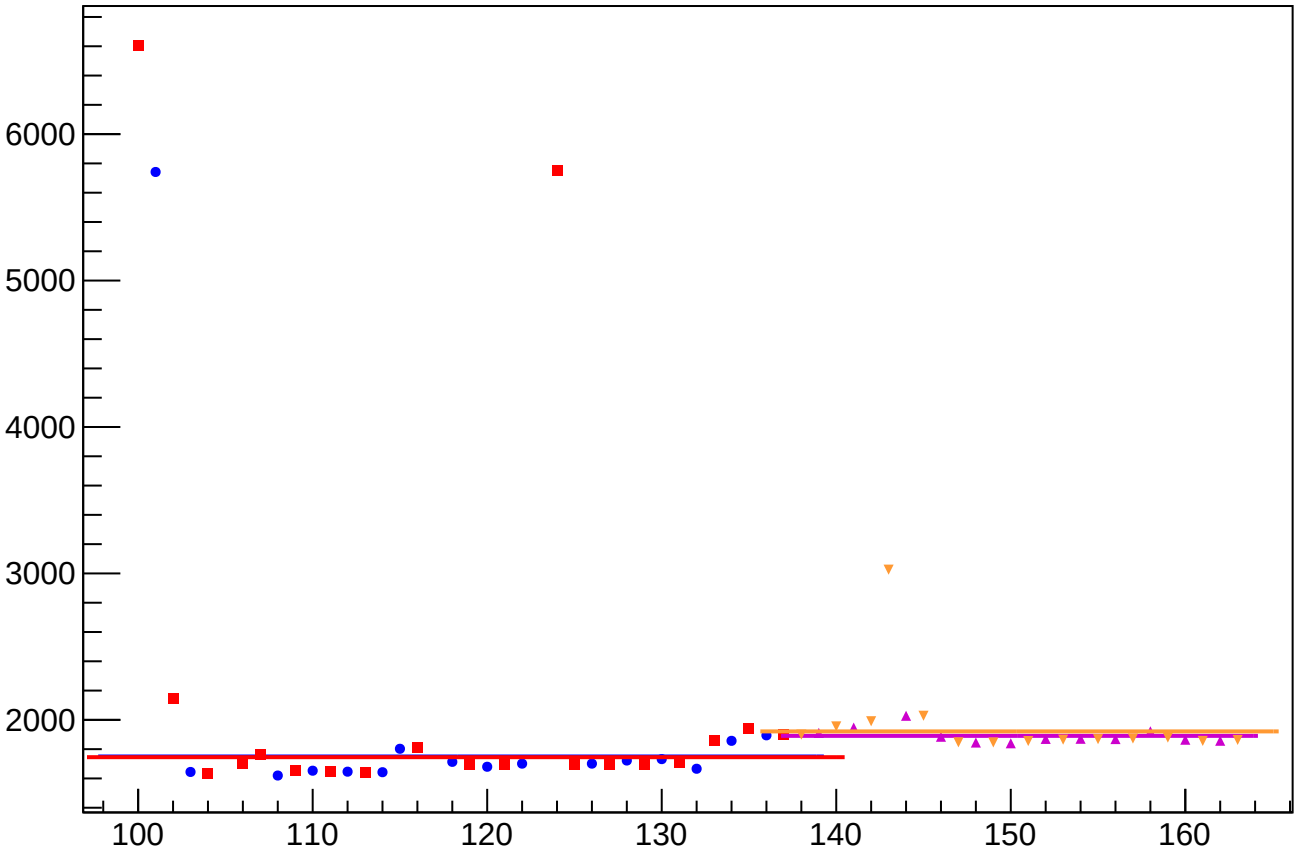
Left: 398.703+/-411.602 χ^2/NDF: 41.8/25

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -71.915+/-440.903 χ^2/NDF:29.7/27

Out: 597.407+/-432.945 χ^2/NDF:37.8/32

All: 268.842+/-308.914 χ^2/NDF: 68.6/60



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1890.810+/-0.415 χ^2/NDF:14279.4/11

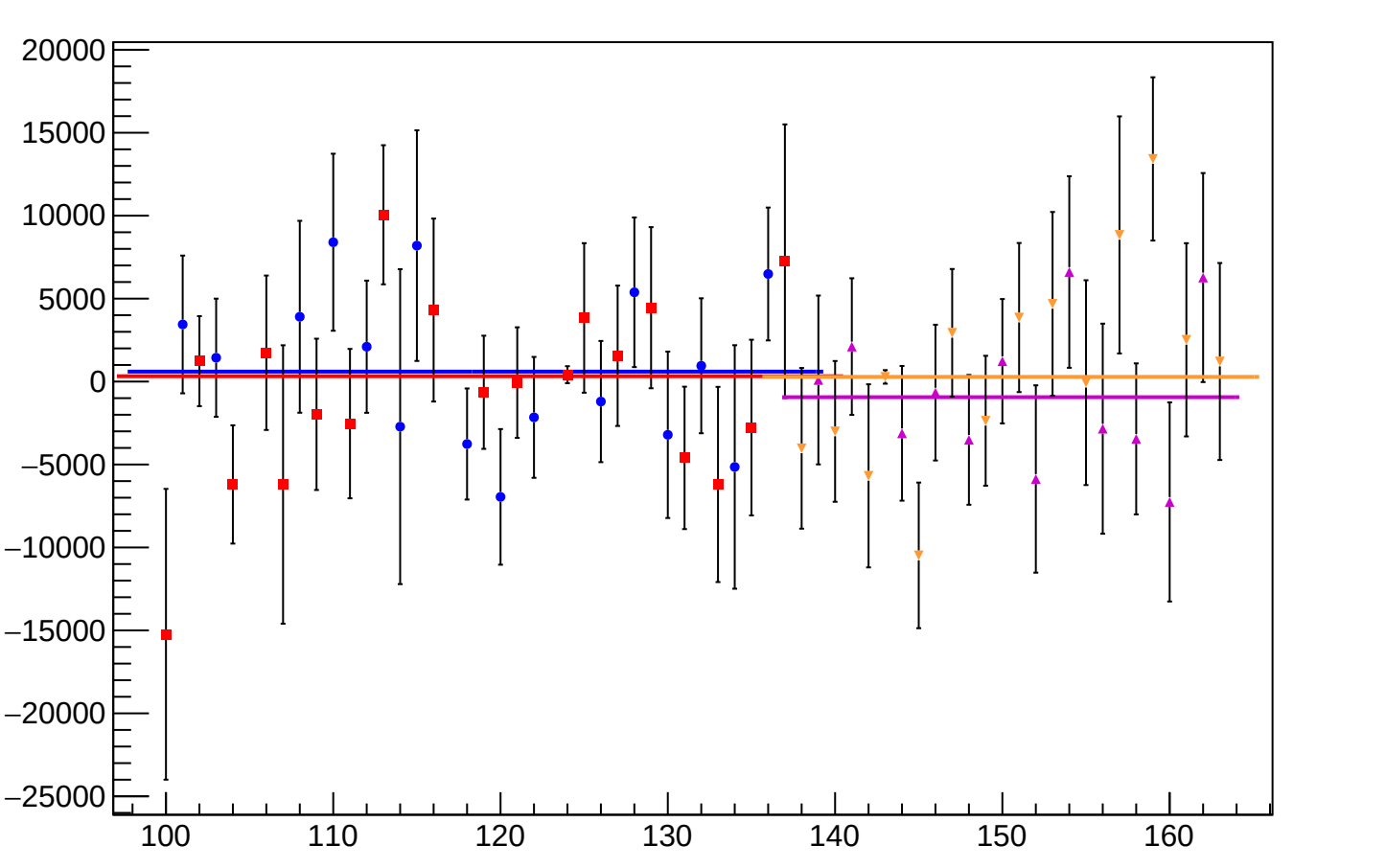
Left: 1906.310+/-0.291 χ^2/NDF: 256908.4/25

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1829.228+/-0.312 χ^2/NDF:734138.2/27

Out: 1844.065+/-0.306 χ^2/NDF:619569.9/32

All: 1836.794+/-0.218 χ^2/NDF: 1354862.9/60



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -941.287+/-1358.441 χ^2/NDF:6.9/11

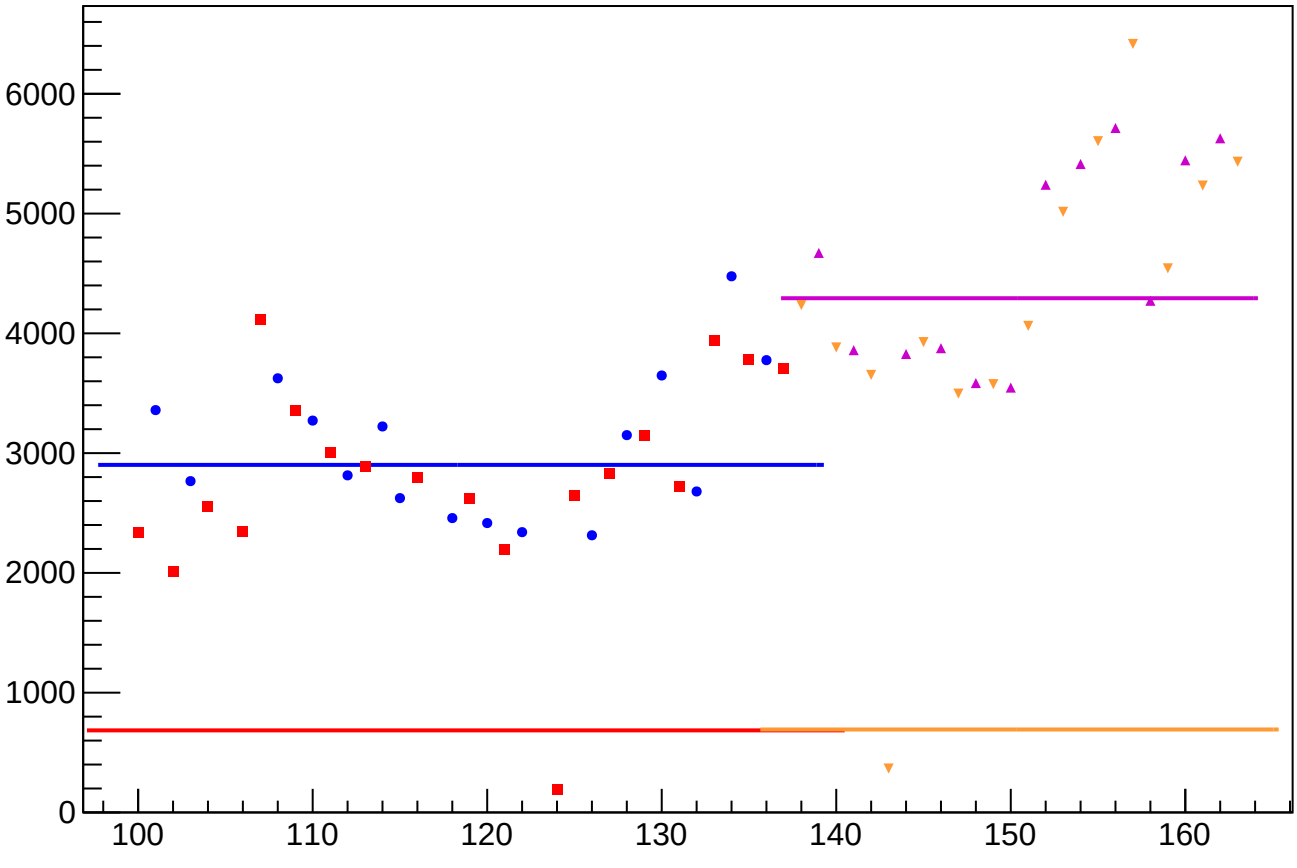
Left: 188.290+/-376.388 χ^2/NDF: 27.2/25

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -10.350+/-854.933 χ^2/NDF:22.6/27

Out: 299.480+/-297.928 χ^2/NDF:38.5/32

All: 265.928+/-281.335 χ^2/NDF: 61.2/60



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4293.280+/-0.961 χ^2/NDF:620990.1/11

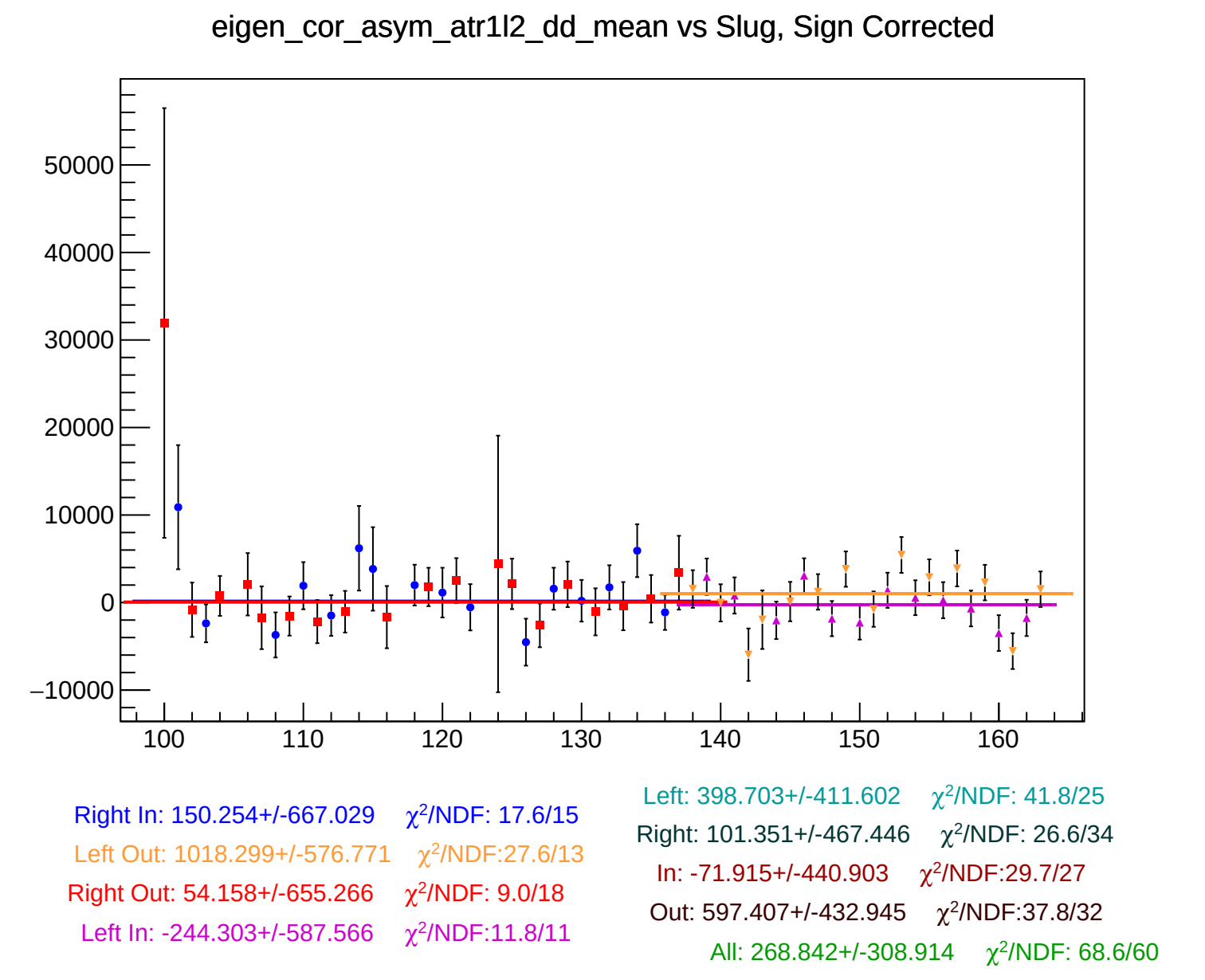
Left: 969.092+/-0.266 χ^2/NDF: 29476584.9/25

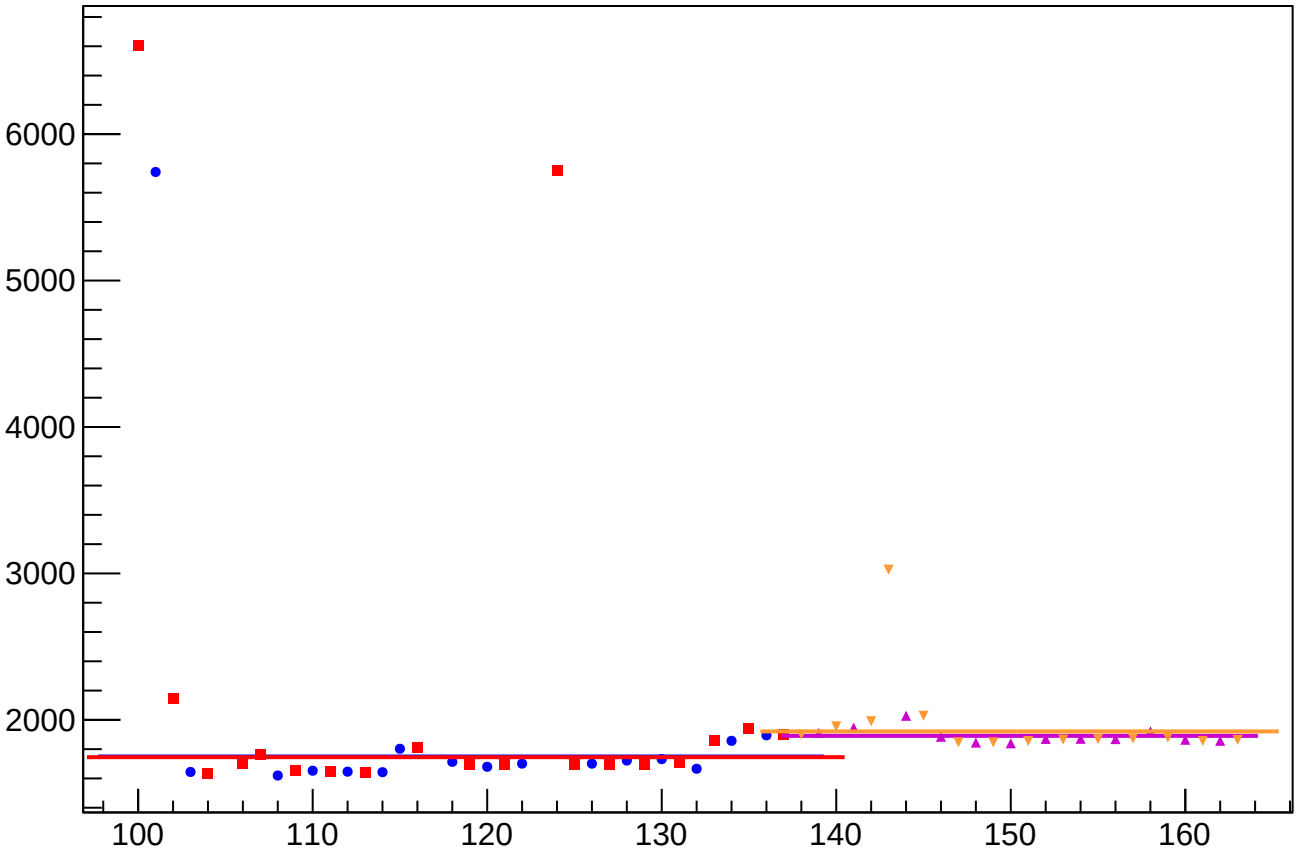
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3452.974+/-0.605 χ^2/NDF:2369119.3/27

Out: 689.547+/-0.211 χ^2/NDF:25989623.6/32

All: 988.795+/-0.199 χ^2/NDF: 46991880.6/60


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1018.299+/-576.771 χ²/NDF:27.6/13
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -244.303+/-587.566 χ²/NDF:11.8/11
Left: 398.703+/-411.602 χ²/NDF: 41.8/25
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -71.915+/-440.903 χ²/NDF:29.7/27
Out: 597.407+/-432.945 χ²/NDF:37.8/32
All: 268.842+/-308.914 χ²/NDF: 68.6/60



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1921.247+/-0.408 χ^2/NDF:239895.8/13

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1890.810+/-0.415 χ^2/NDF:14279.4/11

Left: 1906.310+/-0.291 χ^2/NDF: 256908.4/25

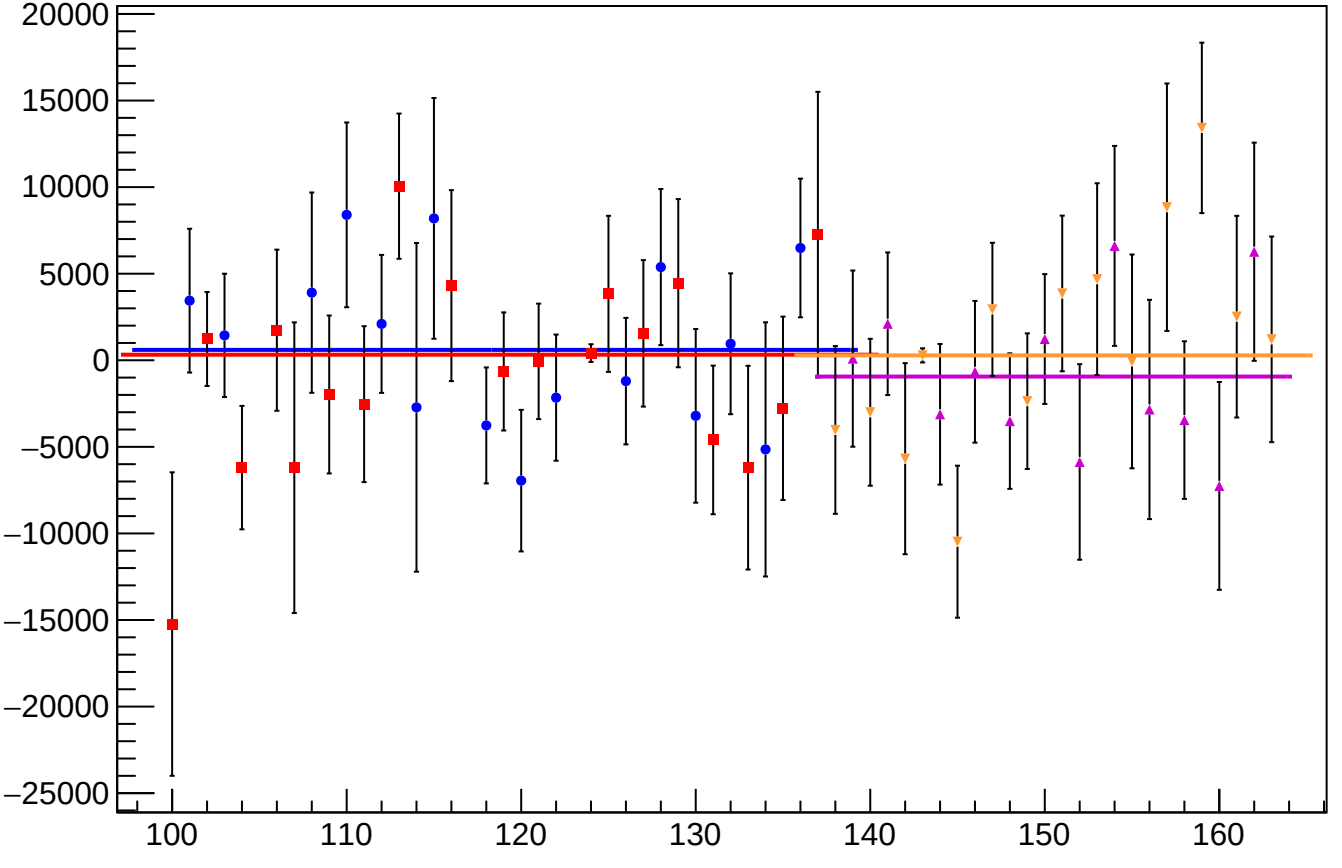
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1829.228+/-0.312 χ^2/NDF:734138.2/27

Out: 1844.065+/-0.306 χ^2/NDF:619569.9/32

All: 1836.794+/-0.218 χ^2/NDF: 1354862.9/60

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: 282.219+/-391.725 χ^2/NDF:19.5/13

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -941.287+/-1358.441 χ^2/NDF:6.9/11

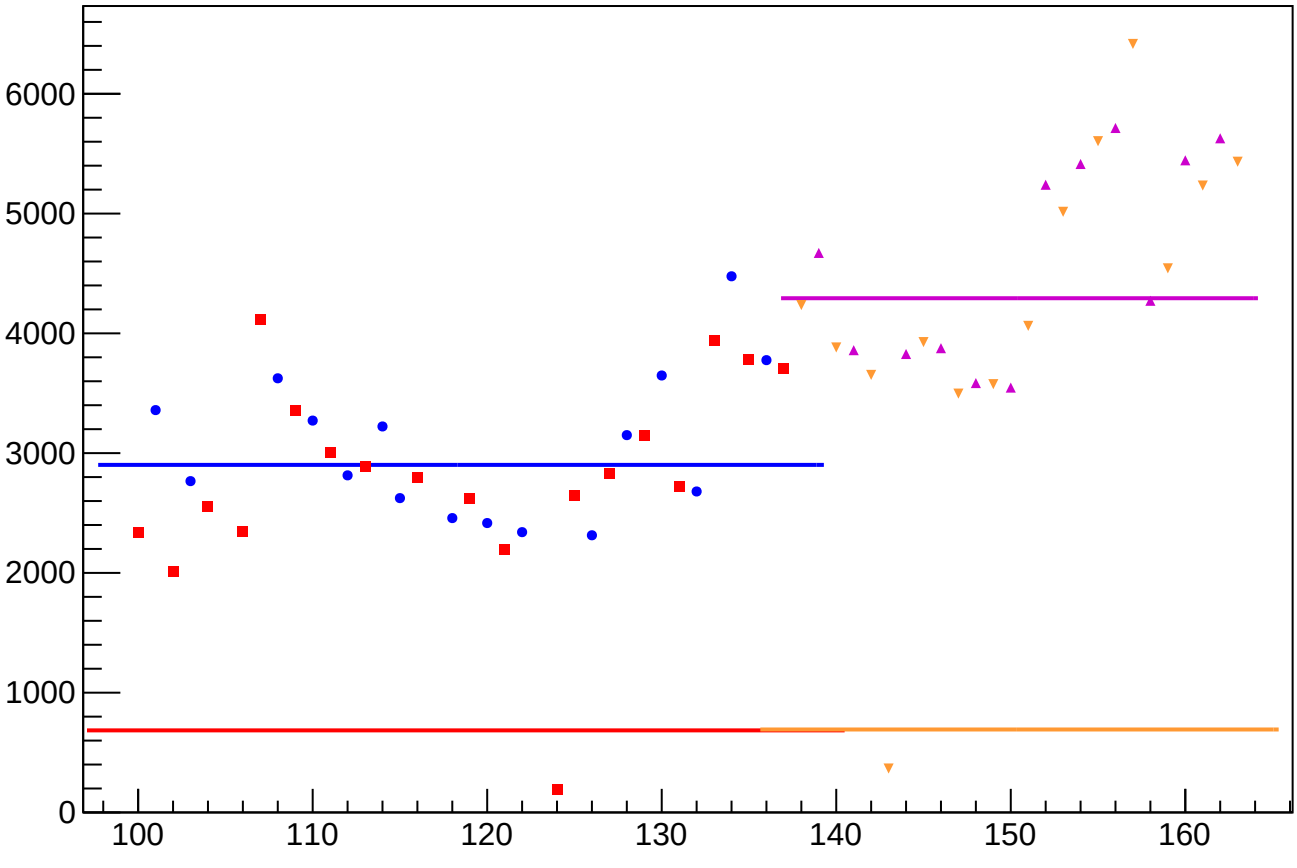
Left: 188.290+/-376.388 χ^2/NDF: 27.2/25

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -10.350+/-854.933 χ^2/NDF:22.6/27

Out: 299.480+/-297.928 χ^2/NDF:38.5/32

All: 265.928+/-281.335 χ^2/NDF: 61.2/60



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 692.674+/-0.277 χ^2/NDF:15883523.9/13

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4293.280+/-0.961 χ^2/NDF:620990.1/11

Left: 969.092+/-0.266 χ^2/NDF: 29476584.9/25

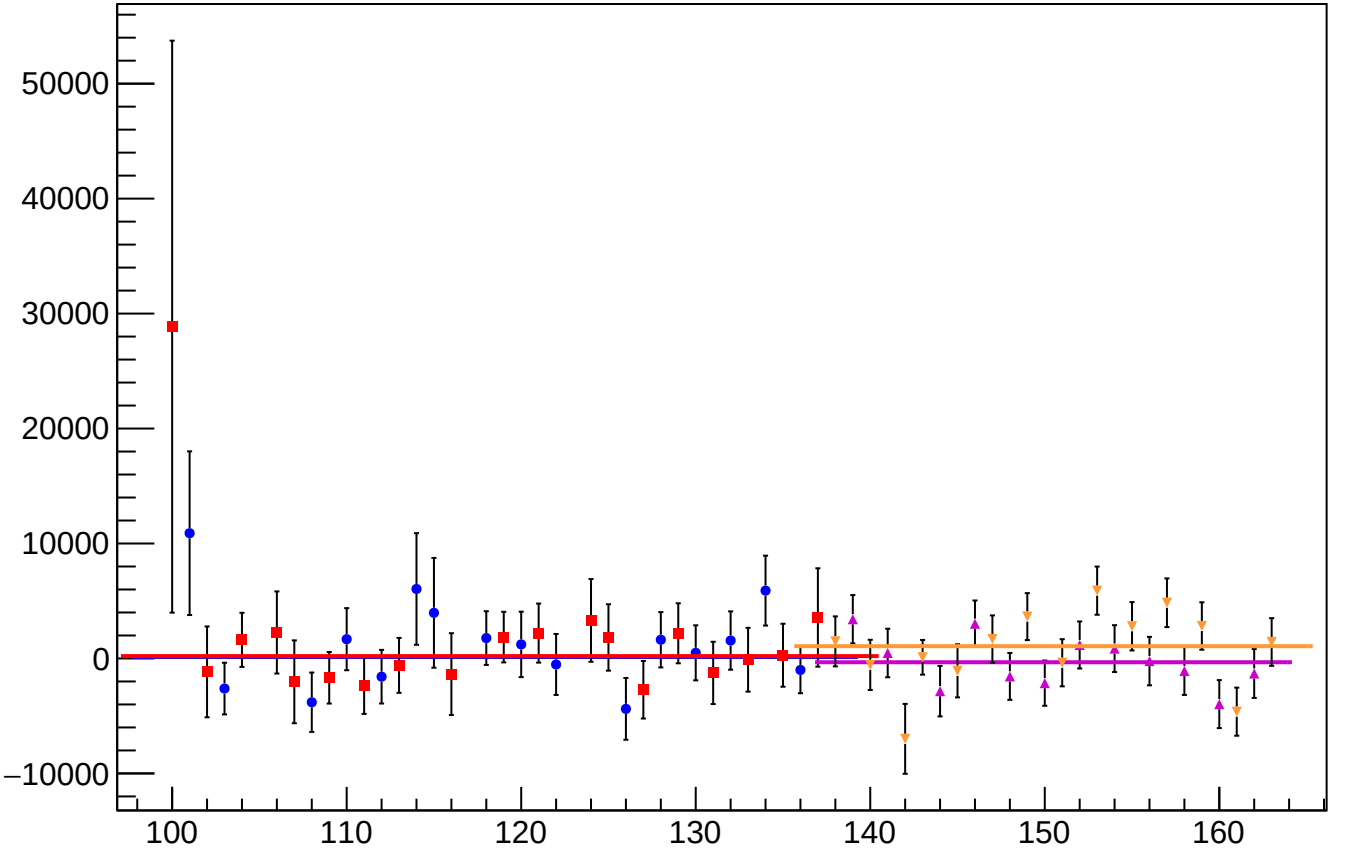
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3452.974+/-0.605 χ^2/NDF:2369119.3/27

Out: 689.547+/-0.211 χ^2/NDF:25989623.6/32

All: 988.795+/-0.199 χ^2/NDF: 46991880.6/60

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1068.998+/-555.365 χ^2/NDF:28.4/13

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -327.427+/-598.888 χ^2/NDF:12.9/11

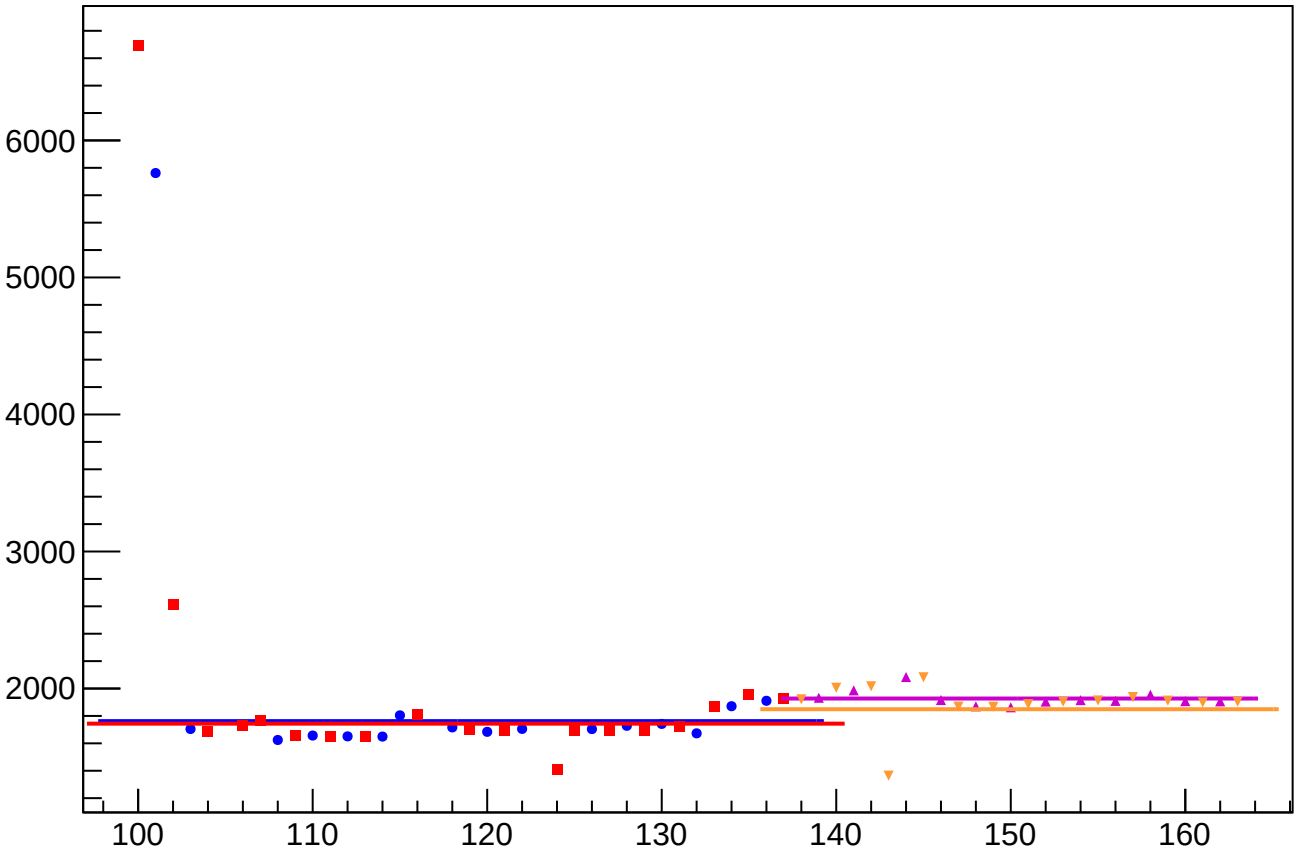
Left: 423.366+/-407.221 χ^2/NDF: 44.2/25

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -123.114+/-446.989 χ^2/NDF:30.4/27

Out: 707.464+/-423.446 χ^2/NDF:39.1/32

All: 314.623+/-307.407 χ^2/NDF: 71.4/60



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.074+/-0.393 χ^2/NDF:257077.3/13

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1927.067+/-0.423 χ^2/NDF:16681.6/11

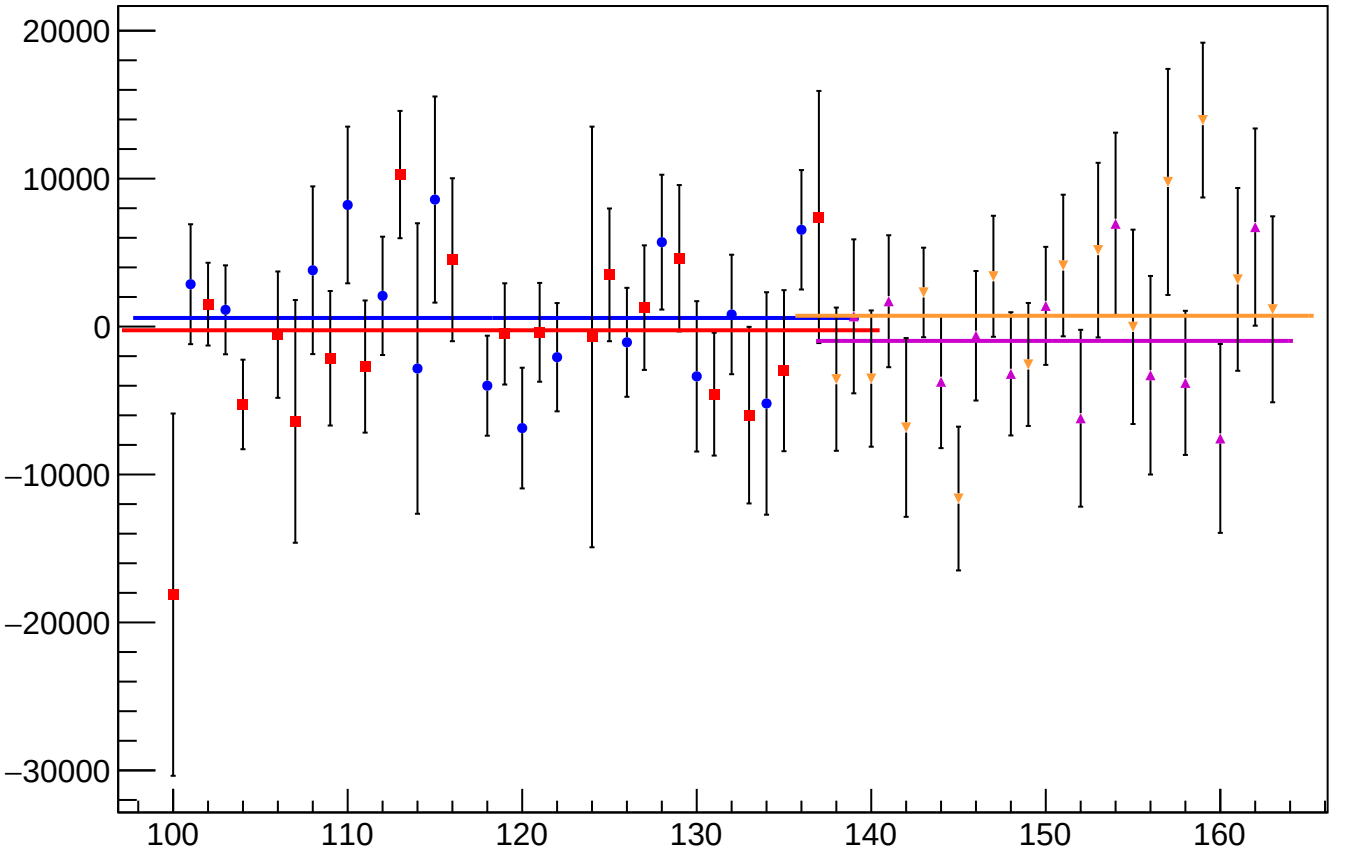
Left: 1885.134+/-0.288 χ^2/NDF: 291995.9/25

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1853.975+/-0.316 χ^2/NDF:751634.3/27

Out: 1804.821+/-0.299 χ^2/NDF:515070.3/32

All: 1828.040+/-0.217 χ^2/NDF: 1279465.7/60



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 730.086+/-1305.148 χ^2/NDF:20.0/13

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -968.446+/-1450.619 χ^2/NDF:6.8/11

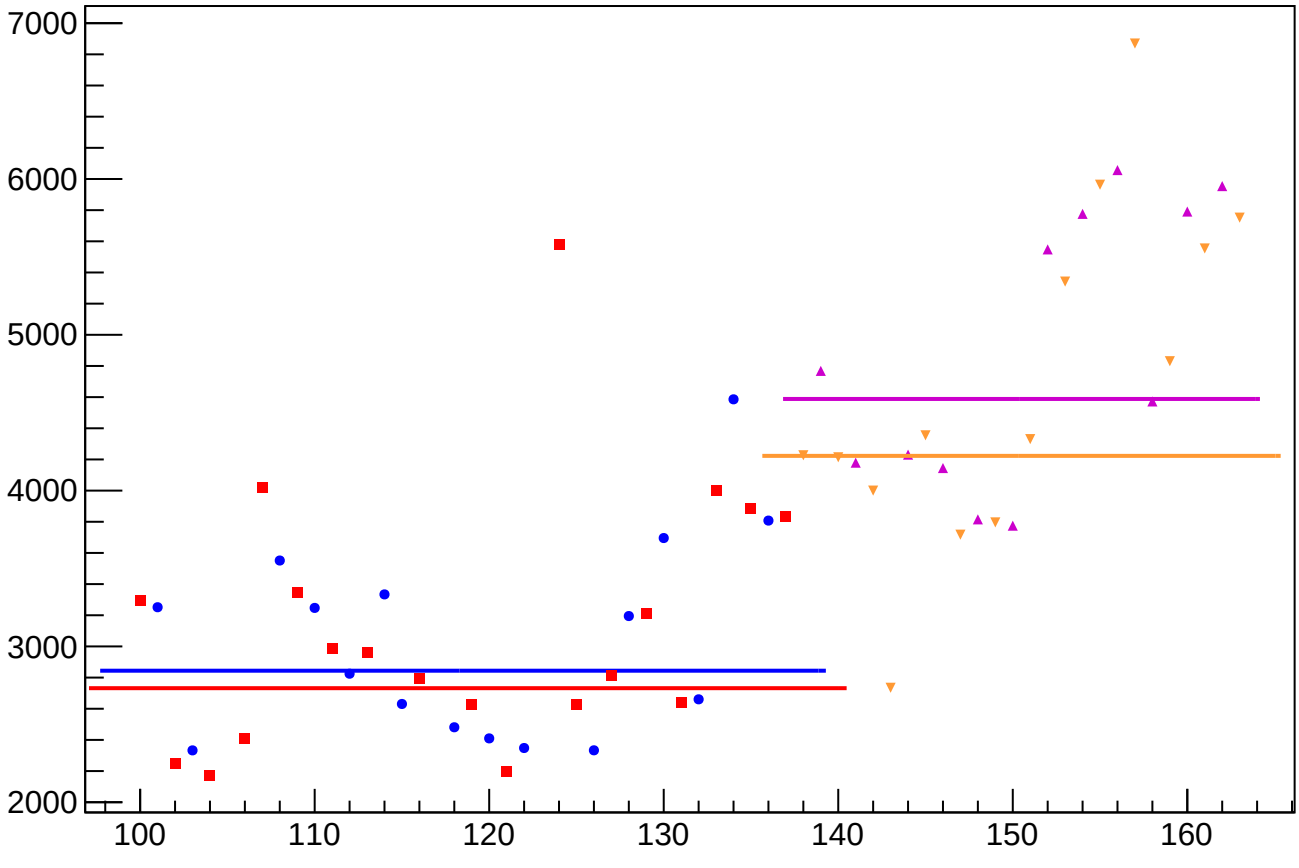
Left: -29.767+/-970.245 χ^2/NDF: 27.5/25

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 28.246+/-867.041 χ^2/NDF:22.4/27

Out: 121.948+/-804.174 χ^2/NDF:38.3/32

All: 78.617+/-589.611 χ^2/NDF: 60.7/60



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4223.010+/-0.923 χ^2/NDF:1230732.9/13

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4588.250+/-1.026 χ^2/NDF:581150.6/11

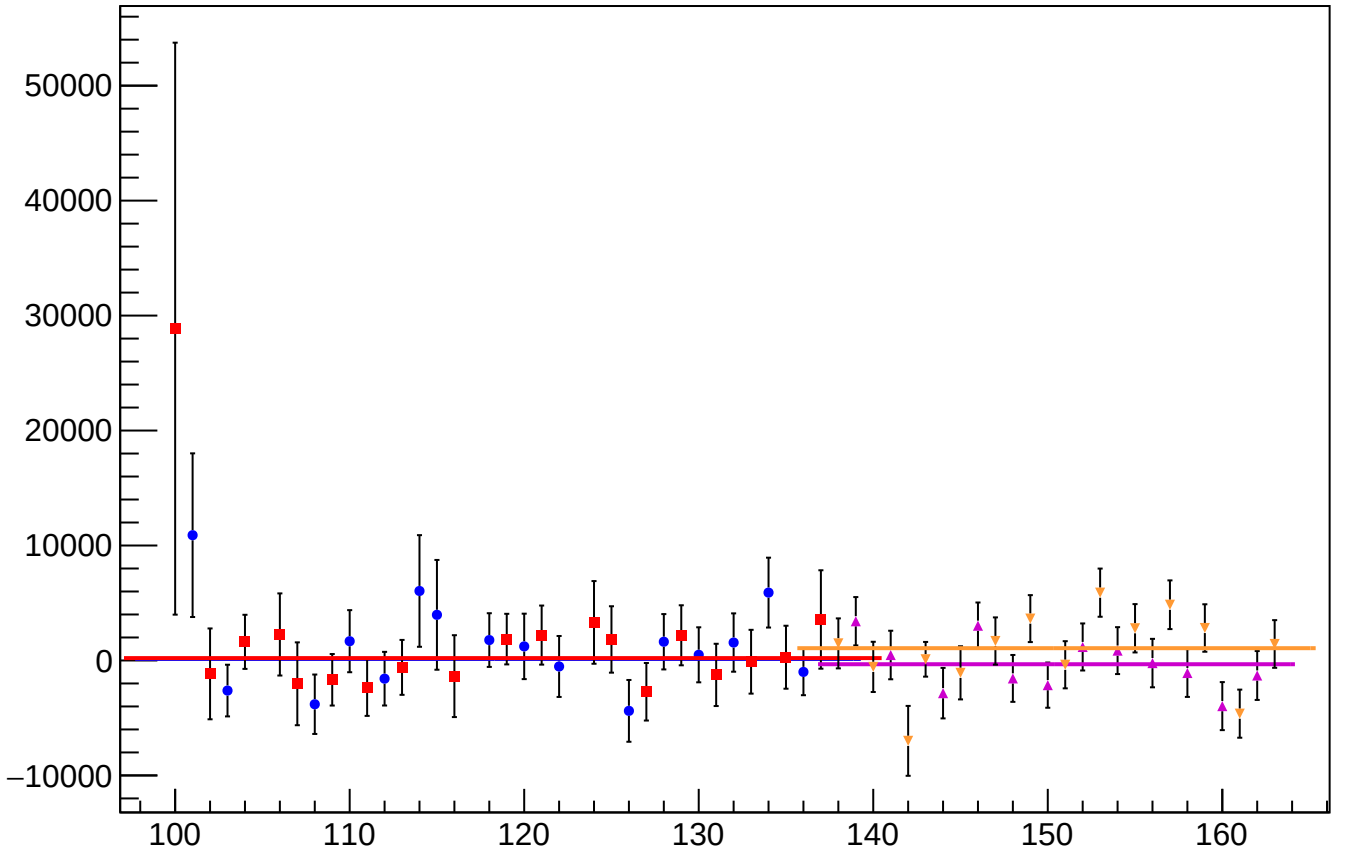
Left: 4386.403+/-0.686 χ^2/NDF: 1881952.2/25

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3467.232+/-0.613 χ^2/NDF:2981444.0/27

Out: 3298.045+/-0.569 χ^2/NDF:3461292.3/32

All: 3376.283+/-0.417 χ^2/NDF: 6483673.4/60



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1068.999+/-555.365 χ^2/NDF:28.4/13

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -327.429+/-598.889 χ^2/NDF:12.9/11

Left: 423.365+/-407.221 χ^2/NDF: 44.2/25

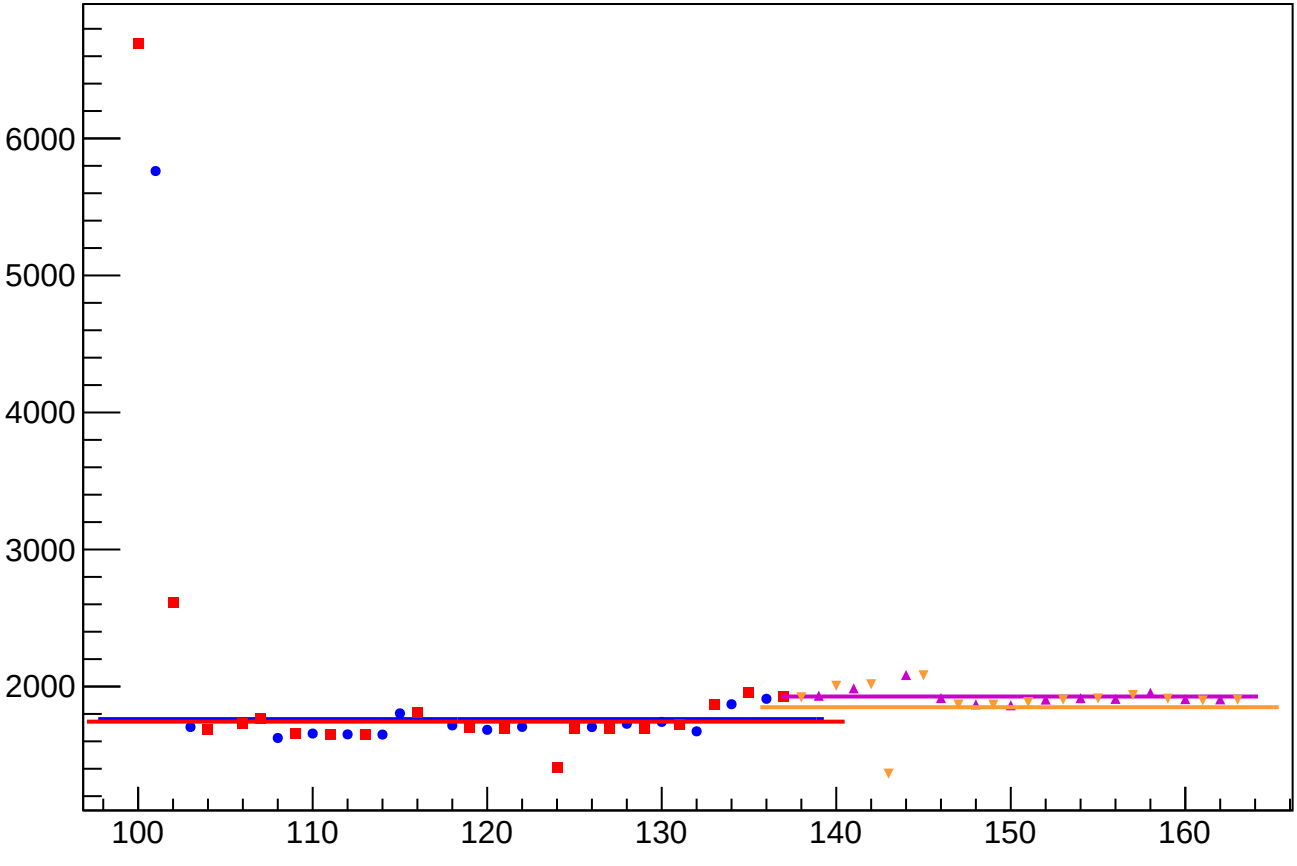
Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -123.116+/-446.989 χ^2/NDF:30.4/27

Out: 707.463+/-423.446 χ^2/NDF:39.1/32

All: 314.623+/-307.408 χ^2/NDF: 71.4/60

eigen_dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.075+/-0.393 χ^2/NDF:257078.5/13

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1927.068+/-0.423 χ^2/NDF:16681.8/11

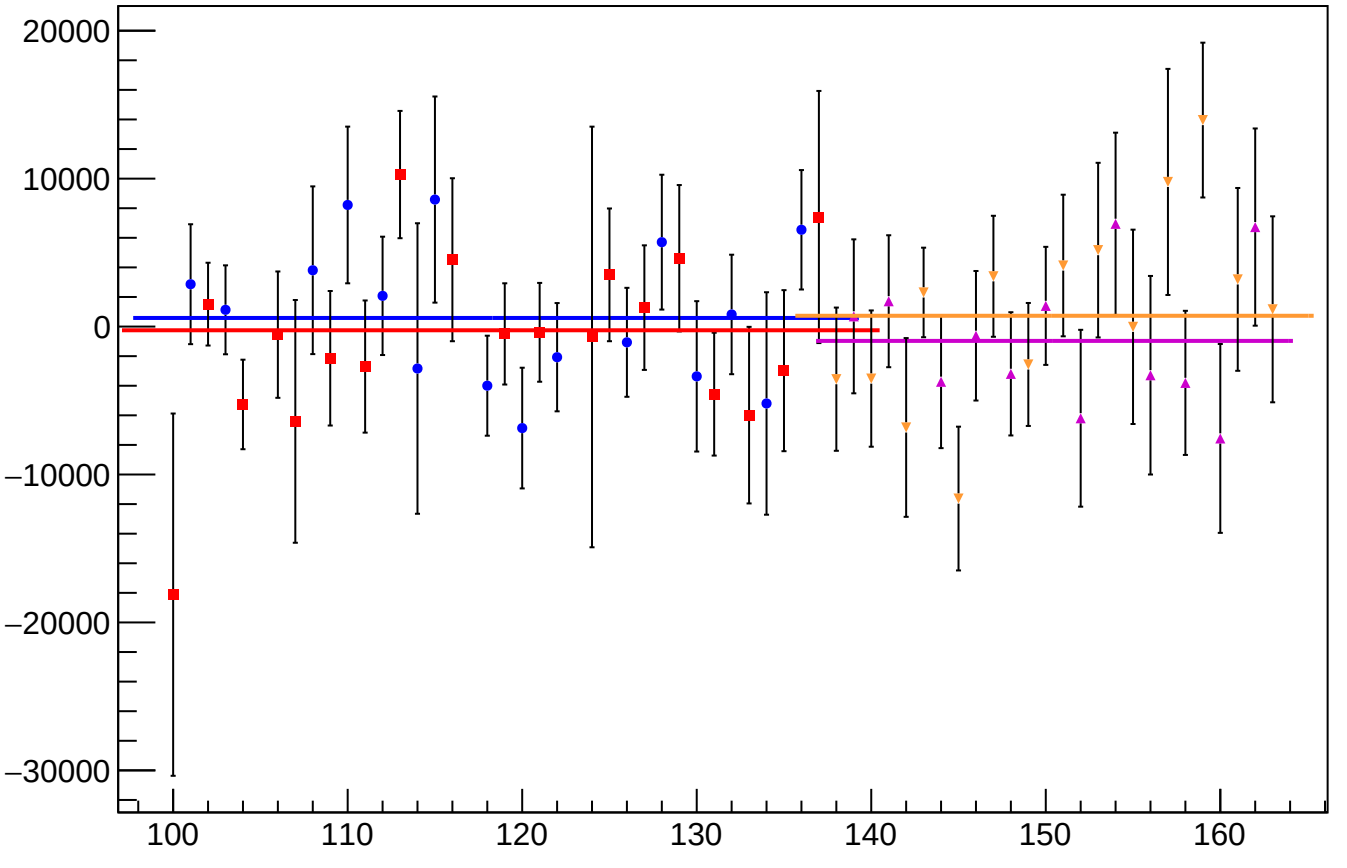
Left: 1885.135+/-0.288 χ^2/NDF: 291997.4/25

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1853.976+/-0.316 χ^2/NDF:751635.3/27

Out: 1804.821+/-0.299 χ^2/NDF:515072.1/32

All: 1828.040+/-0.217 χ^2/NDF: 1279468.5/60



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 730.090+/-1305.149 χ^2/NDF:20.0/13

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -968.447+/-1450.621 χ^2/NDF:6.8/11

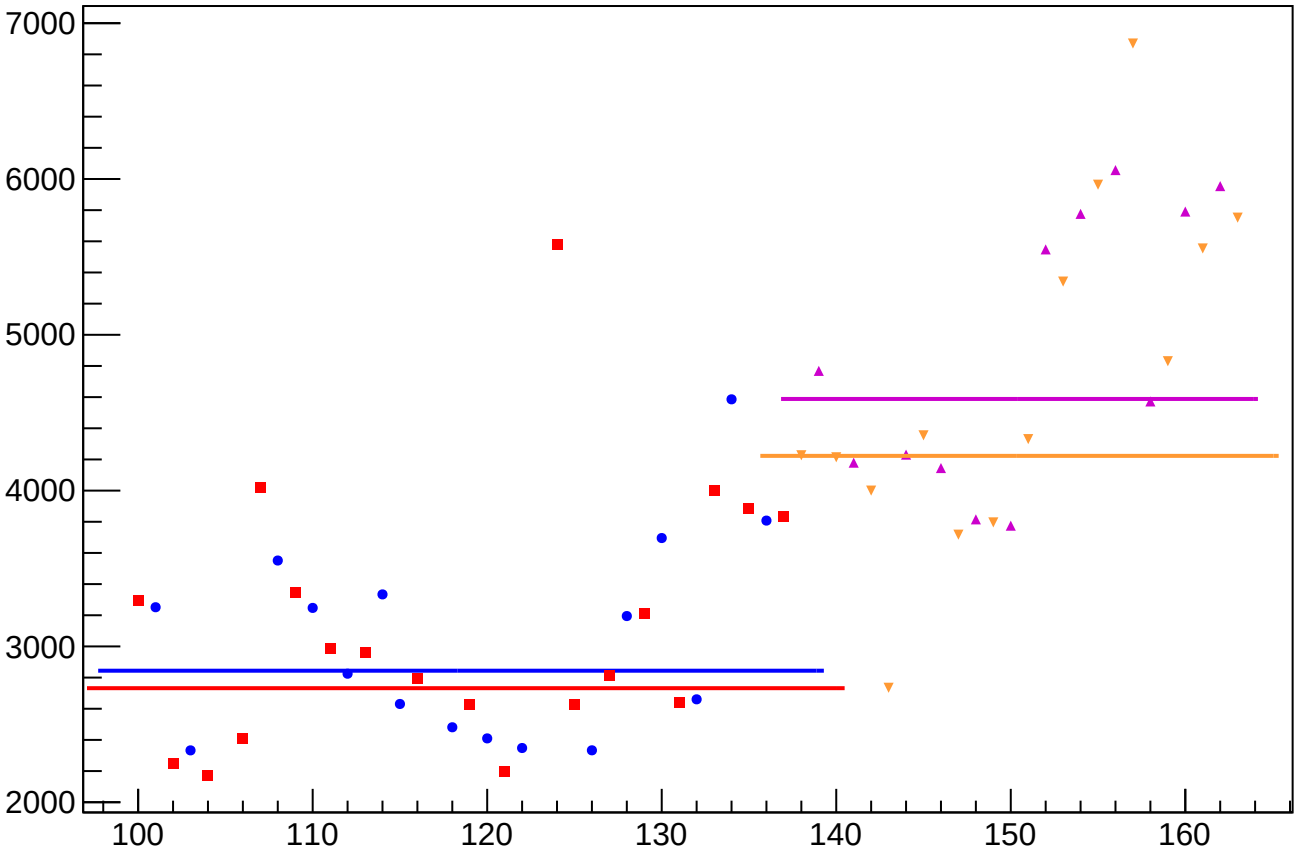
Left: -29.765+/-970.246 χ^2/NDF: 27.5/25

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 28.245+/-867.040 χ^2/NDF:22.4/27

Out: 121.948+/-804.173 χ^2/NDF:38.3/32

All: 78.617+/-589.610 χ^2/NDF: 60.7/60



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4223.014+/-0.923 χ^2/NDF:1230738.4/13

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4588.256+/-1.026 χ^2/NDF:581153.0/11

Left: 4386.409+/-0.686 χ^2/NDF: 1881960.5/25

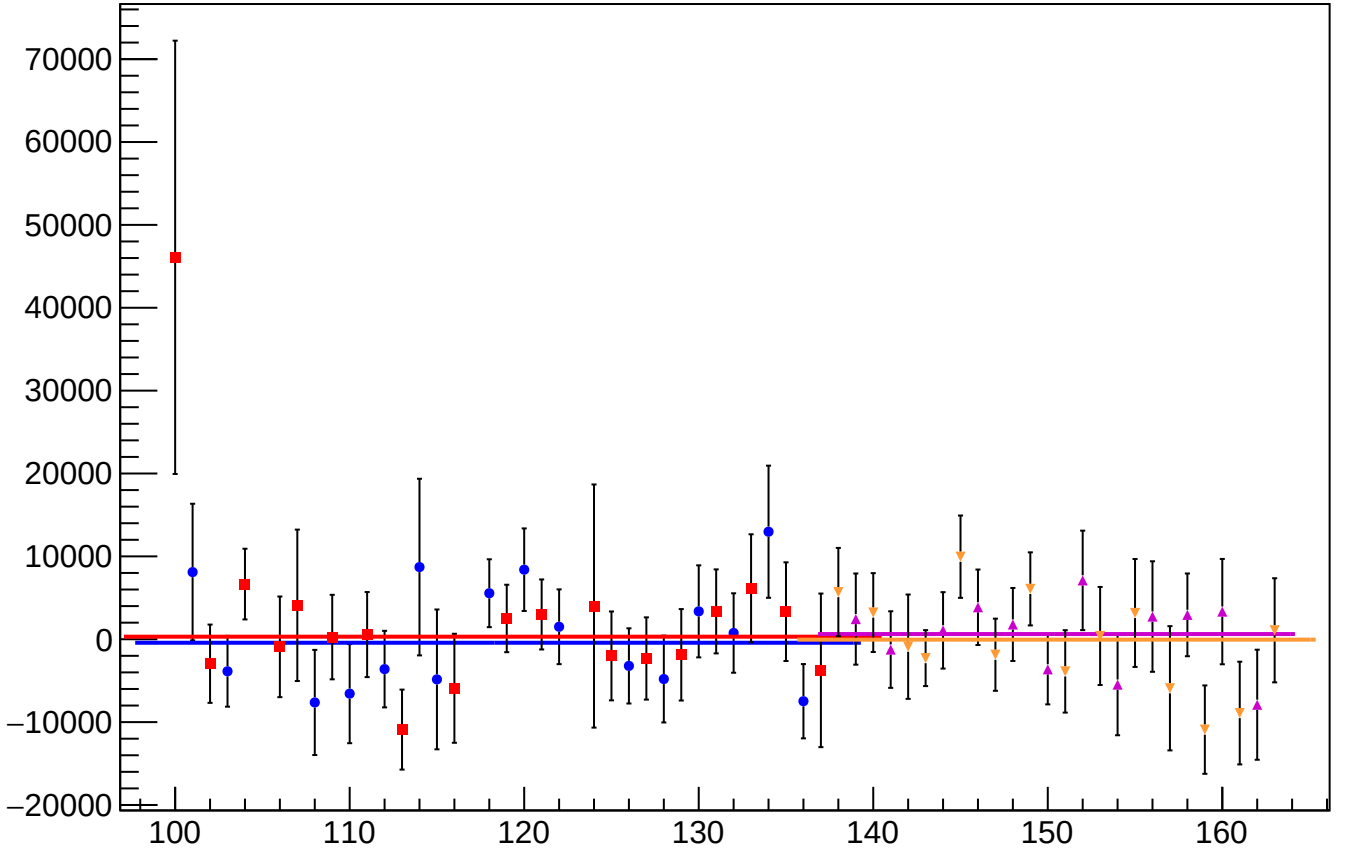
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3467.226+/-0.613 χ^2/NDF:2981479.4/27

Out: 3298.041+/-0.569 χ^2/NDF:3461317.3/32

All: 3376.278+/-0.417 χ^2/NDF: 6483733.0/60

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: -49.290+/-1368.354 χ^2/NDF:15.9/13

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 627.453+/-1495.366 χ^2/NDF:6.2/11

Left: 259.126+/-1009.494 χ^2/NDF: 22.2/25

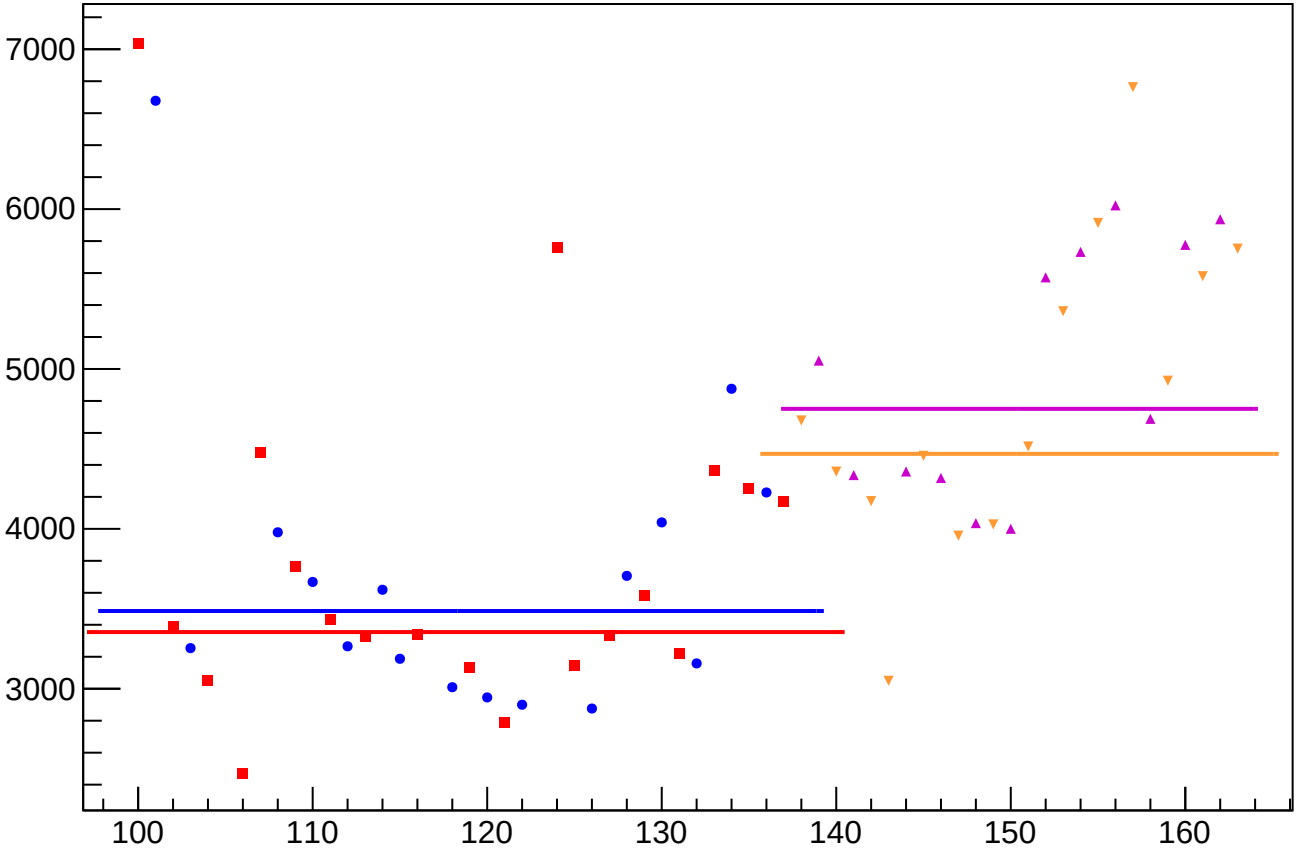
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 39.812+/-992.650 χ^2/NDF:24.4/27

Out: 141.763+/-933.101 χ^2/NDF:31.2/32

All: 93.937+/-679.880 χ^2/NDF: 55.6/60

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4469.134+/-0.968 χ^2/NDF:903663.0/13

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4750.707+/-1.057 χ^2/NDF:448424.9/11

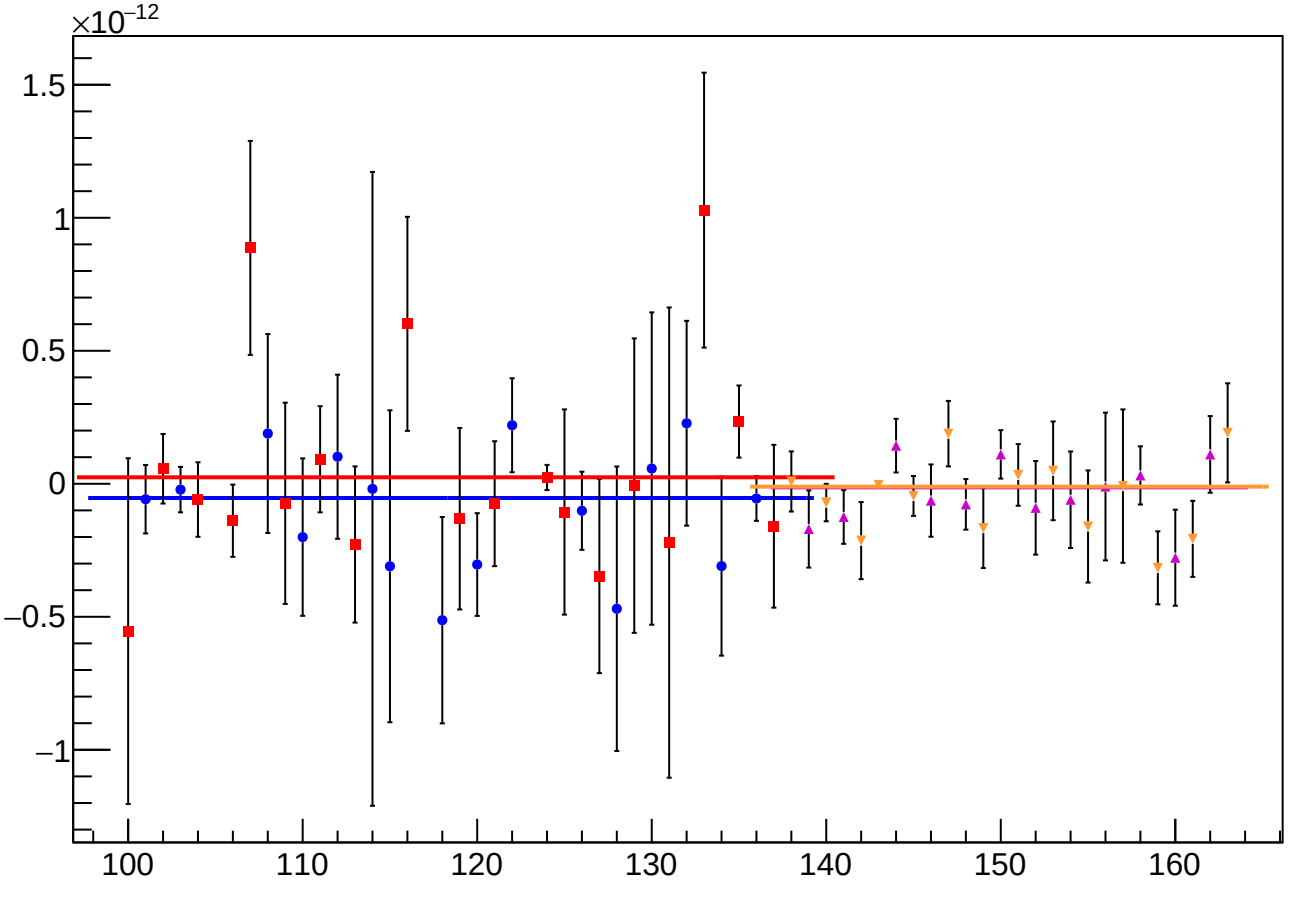
Left: 4597.457+/-0.714 χ^2/NDF: 1390682.6/25

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4043.389+/-0.702 χ^2/NDF:1844200.8/27

Out: 3864.996+/-0.655 χ^2/NDF:1999422.6/32

All: 3948.010+/-0.479 χ^2/NDF: 3878159.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/13

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

Left In: -0.000+/-0.000 χ^2/NDF:10.6/11

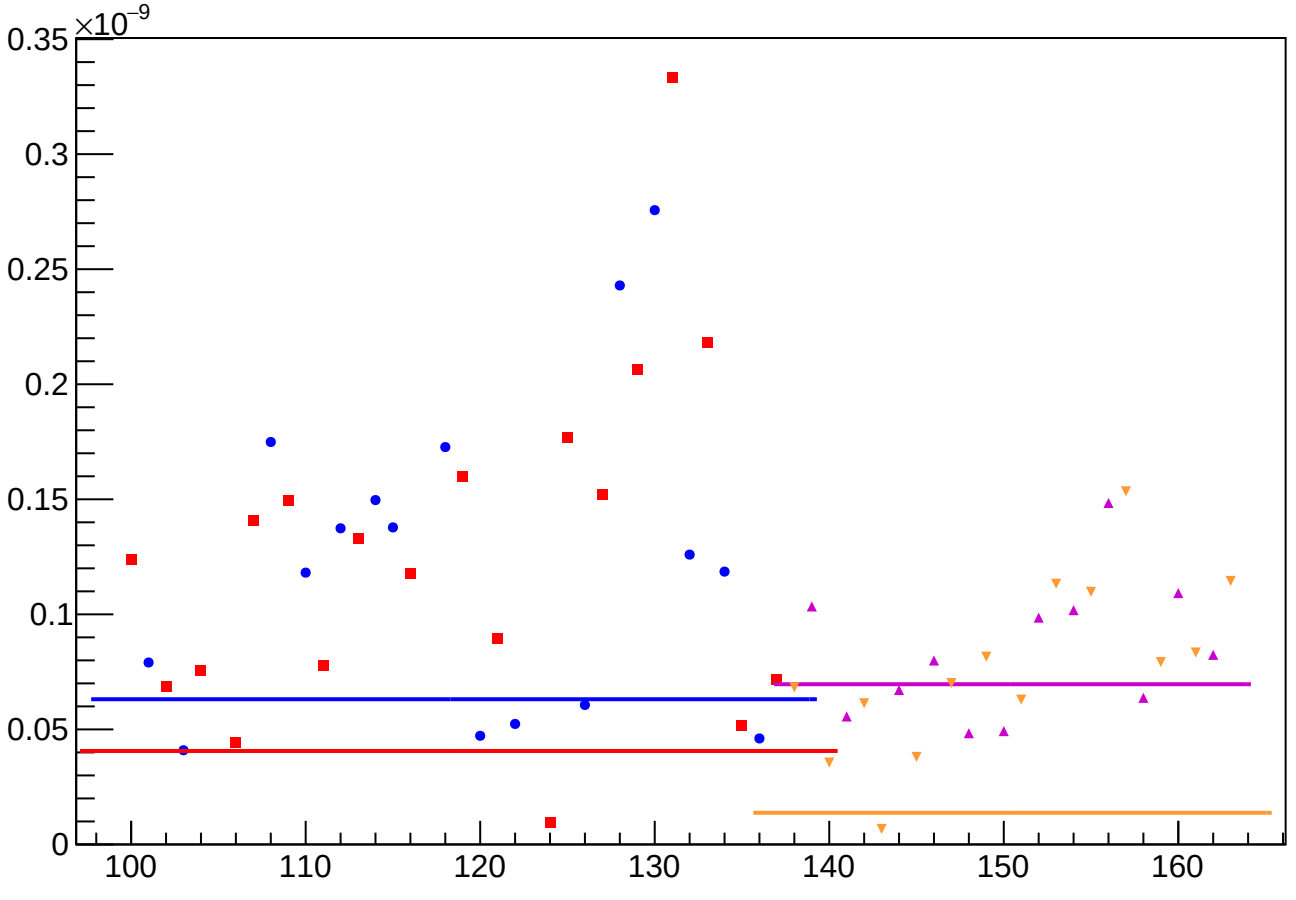
Left: -0.000+/-0.000 χ^2/NDF: 26.2/25

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:19.6/27

Out: -0.000+/-0.000 χ^2/NDF:34.9/32

All: -0.000+/-0.000 χ^2/NDF: 55.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:5836761.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:756139.7/11

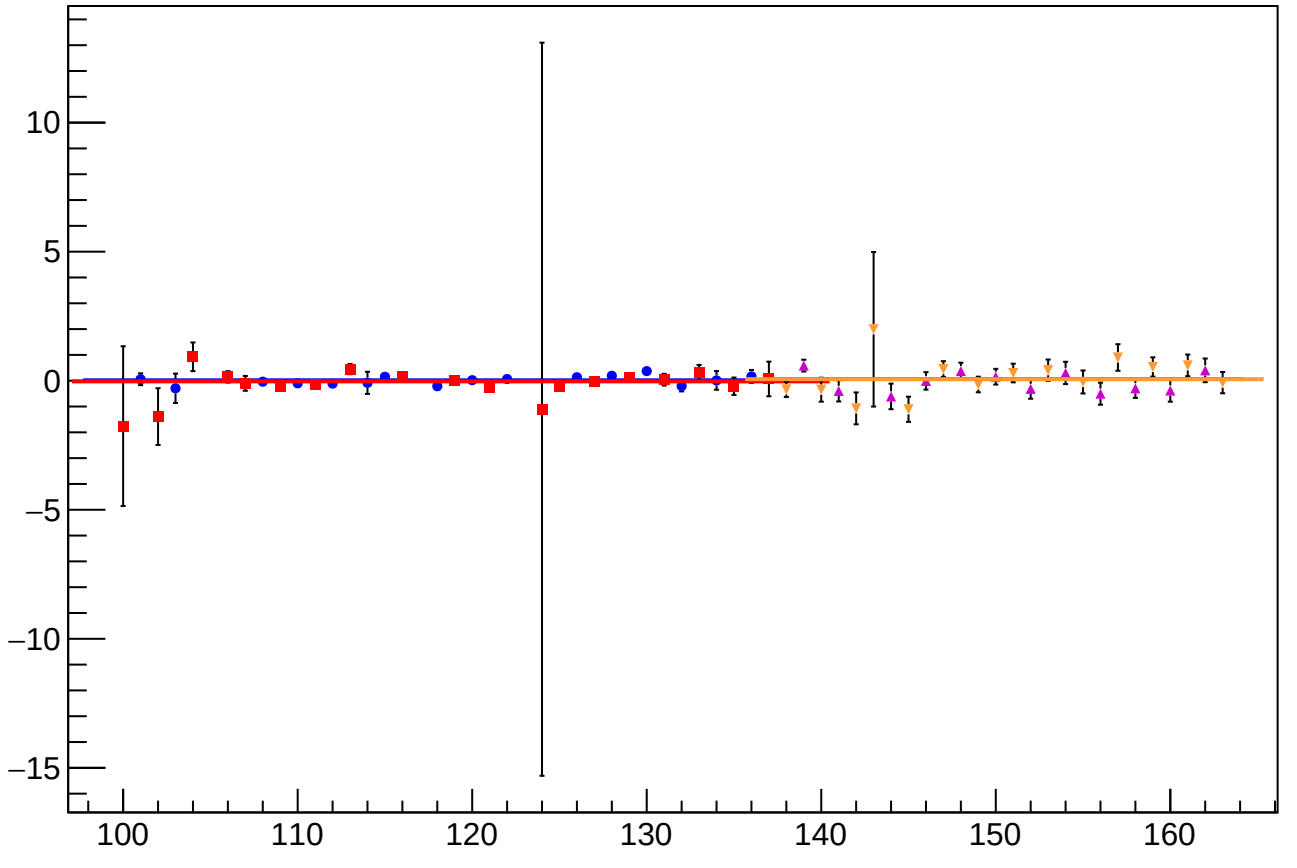
Left: 0.000+/-0.000 χ^2/NDF: 10903066.0/25

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2214155.9/27

Out: 0.000+/-0.000 χ^2/NDF:10023286.4/32

All: 0.000+/-0.000 χ^2/NDF: 17812792.4/60



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.104 χ^2/NDF:14.9/11

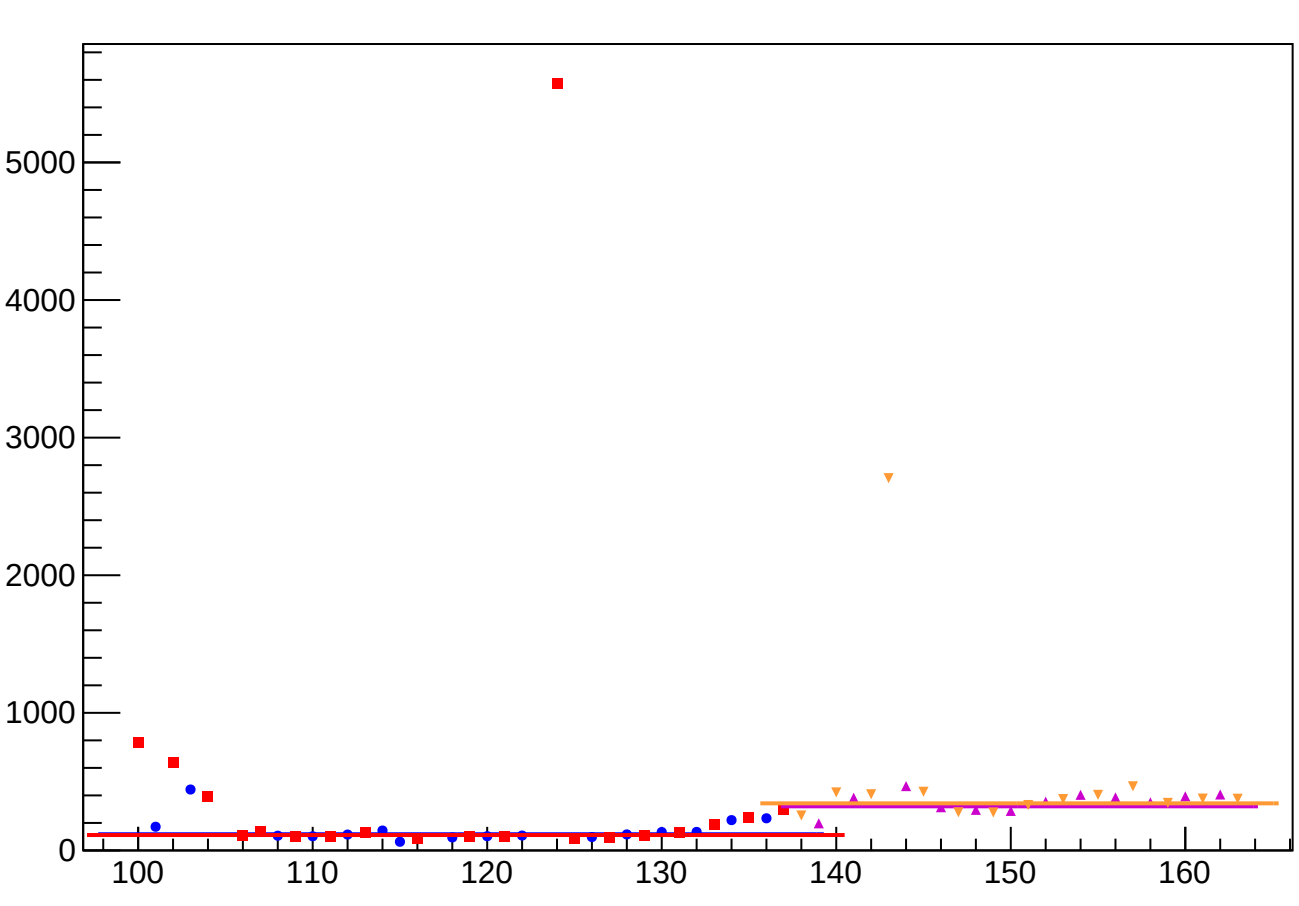
Left: 0.062+/-0.075 χ^2/NDF: 36.2/25

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.043 χ^2/NDF:26.9/27

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.006+/-0.031 χ^2/NDF: 71.2/60



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 342.387+/-0.076 χ^2/NDF:1945030.3/13

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 320.715+/-0.073 χ^2/NDF:1117144.4/11

Left: 331.105+/-0.053 χ^2/NDF: 3104101.7/25

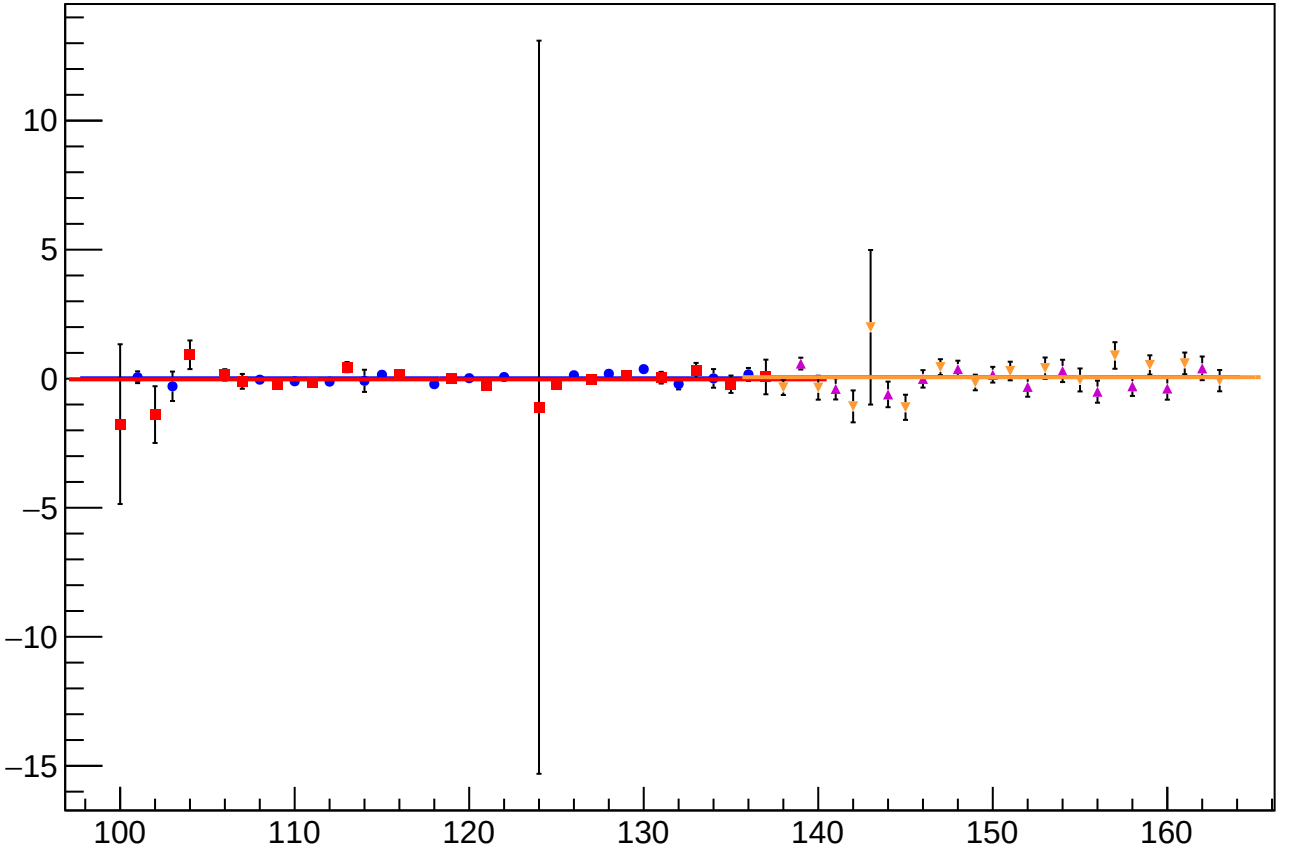
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 153.382+/-0.031 χ^2/NDF:9166314.7/27

Out: 148.582+/-0.030 χ^2/NDF:11783269.5/32

All: 150.954+/-0.022 χ^2/NDF: 20961915.7/60

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.104 χ^2/NDF:14.9/11

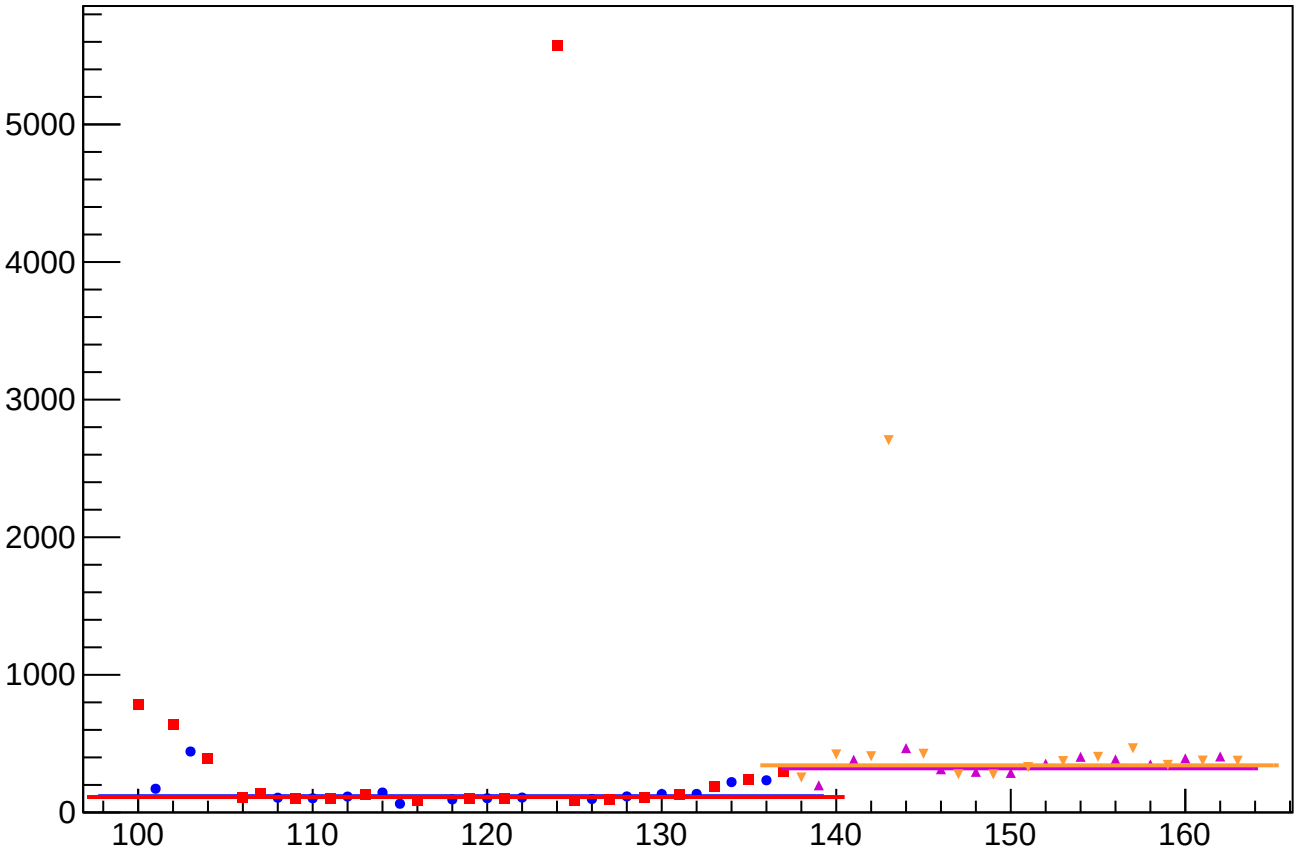
Left: 0.062+/-0.075 χ^2/NDF: 36.2/25

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.043 χ^2/NDF:26.9/27

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.006+/-0.031 χ^2/NDF: 71.2/60



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 342.387+/-0.076 χ^2/NDF:1945030.3/13

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 320.715+/-0.073 χ^2/NDF:1117144.4/11

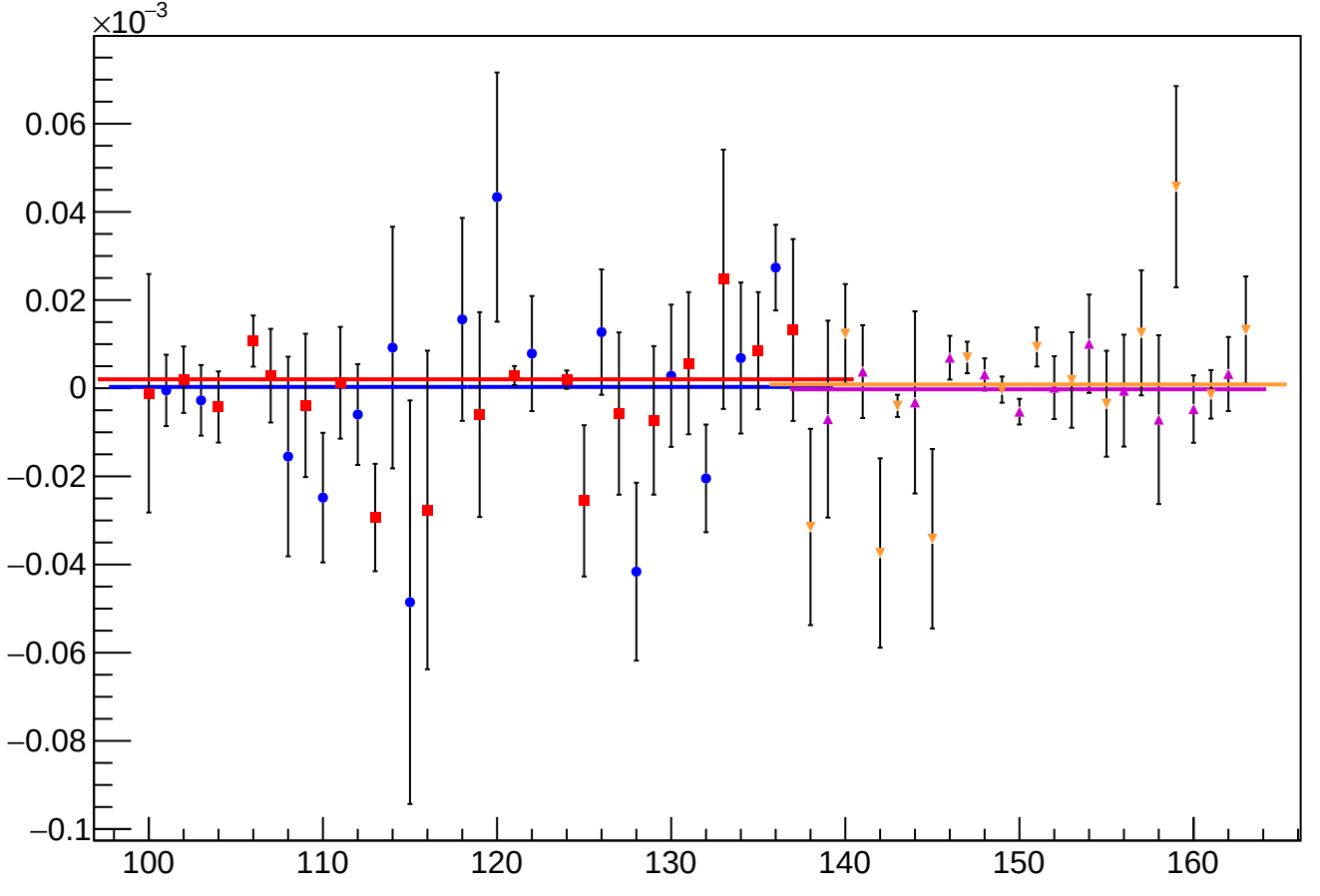
Left: 331.105+/-0.053 χ^2/NDF: 3104101.7/25

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 153.382+/-0.031 χ^2/NDF:9166314.7/27

Out: 148.582+/-0.030 χ^2/NDF:11783269.5/32

All: 150.954+/-0.022 χ^2/NDF: 20961915.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/11

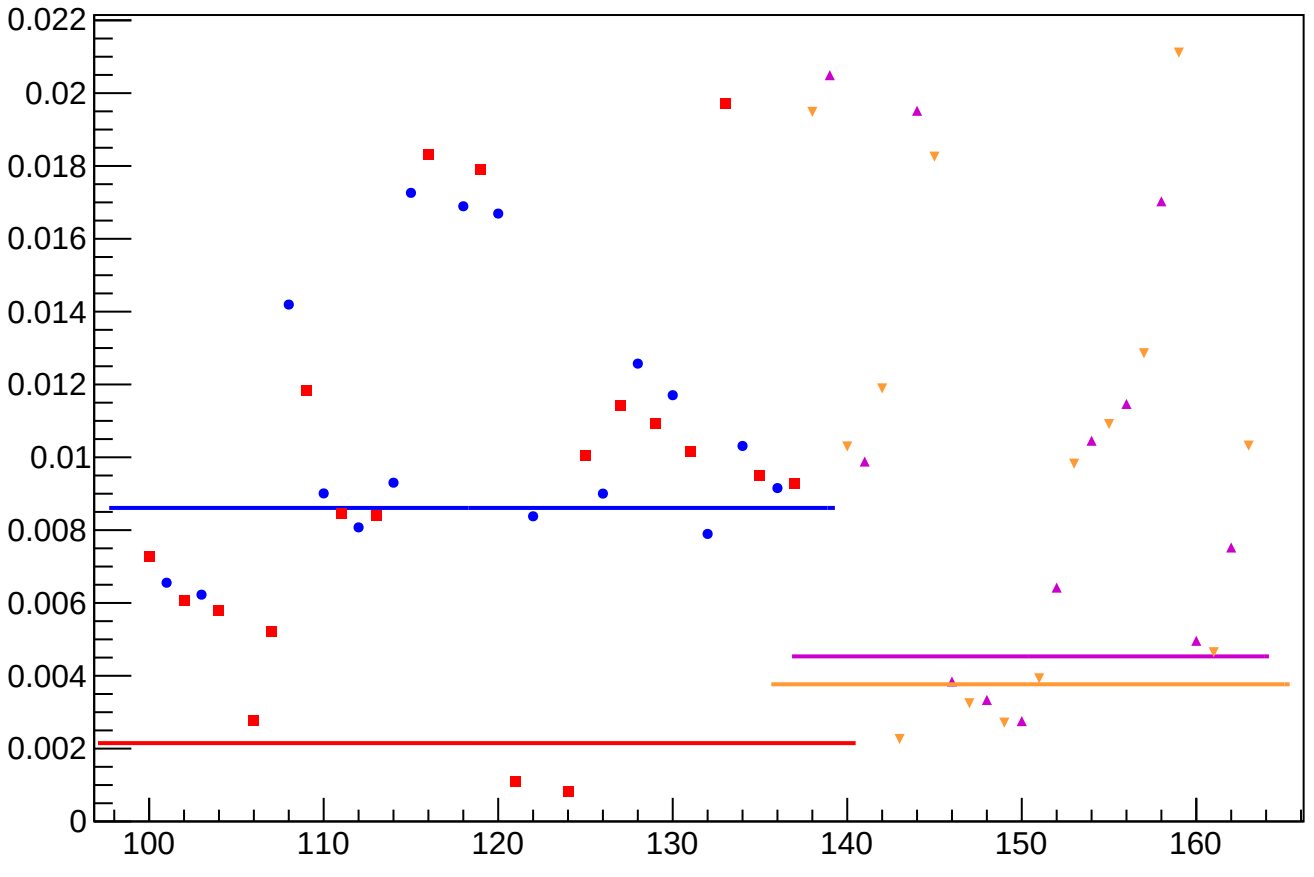
Left: 0.000+/-0.000 χ^2/NDF: 33.6/25

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:31.9/27

Out: 0.000+/-0.000 χ^2/NDF:40.8/32

All: 0.000+/-0.000 χ^2/NDF: 73.4/60



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7925556.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:5999966.2/11

Left: 0.004+/-0.000 χ^2/NDF: 14148291.2/25

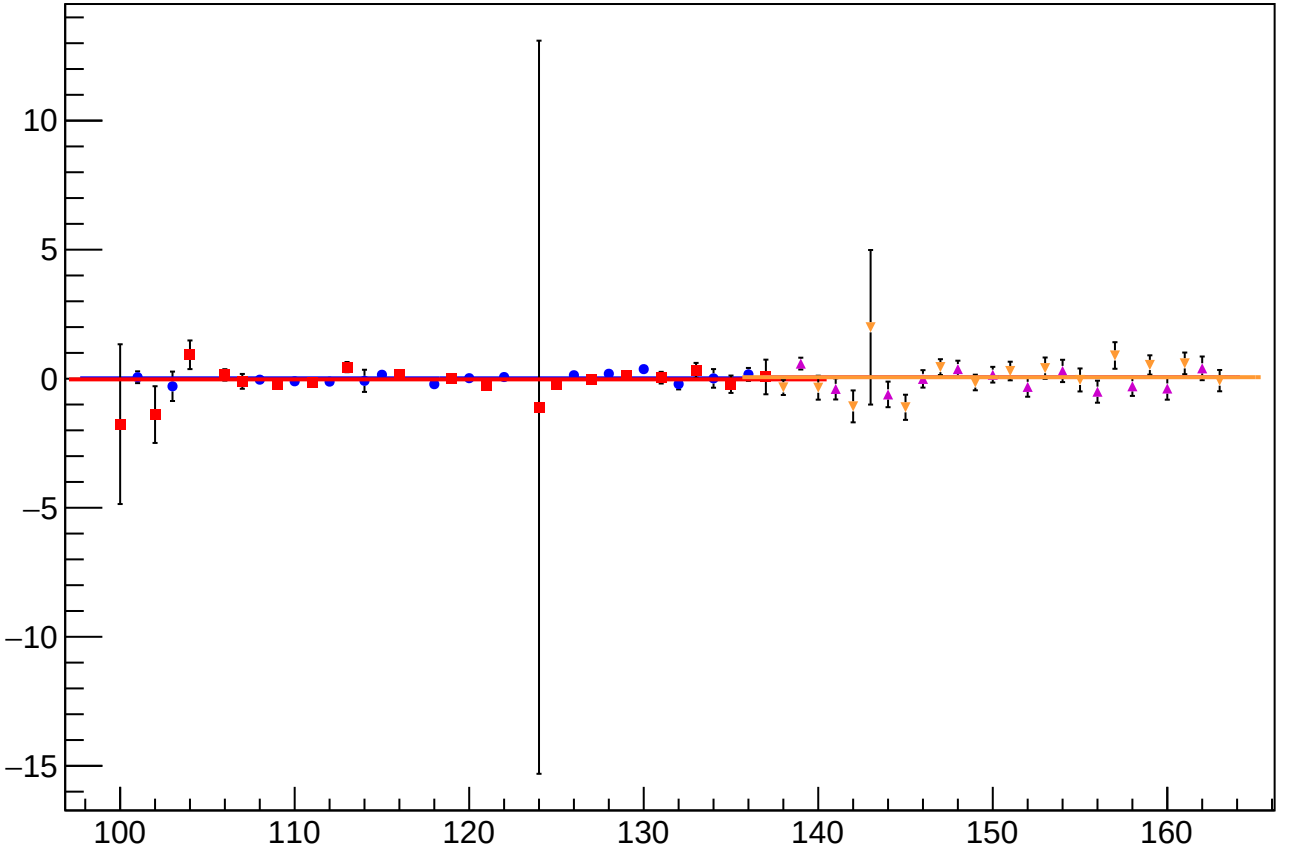
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:9396474.4/27

Out: 0.003+/-0.000 χ^2/NDF:18356049.8/32

All: 0.004+/-0.000 χ^2/NDF: 31456156.9/60

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.104 χ^2/NDF:14.9/11

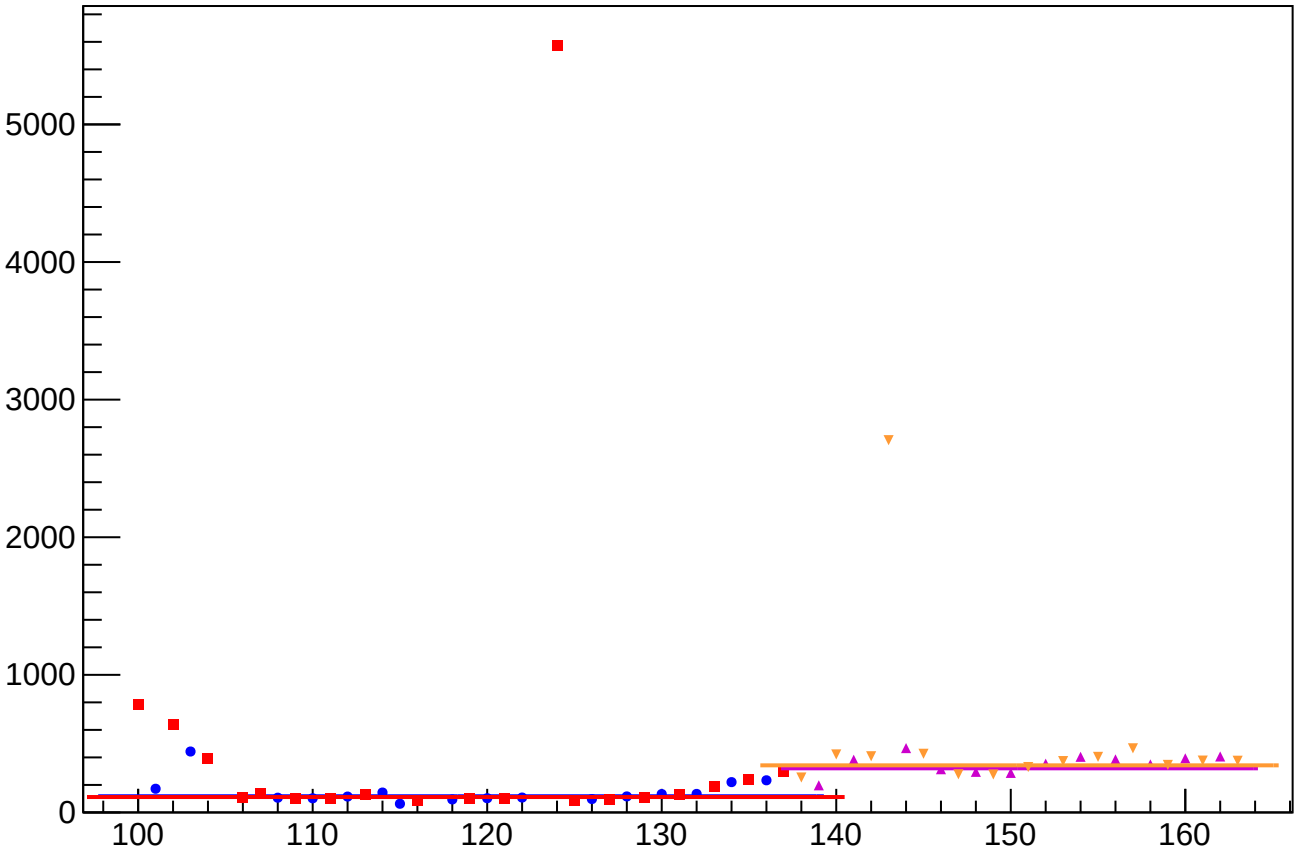
Left: 0.062+/-0.075 χ^2/NDF: 36.2/25

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.043 χ^2/NDF:26.9/27

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.006+/-0.031 χ^2/NDF: 71.2/60



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 342.391+/-0.076 χ^2/NDF:1945076.5/13

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 320.719+/-0.073 χ^2/NDF:1117145.4/11

Left: 331.109+/-0.053 χ^2/NDF: 3104145.4/25

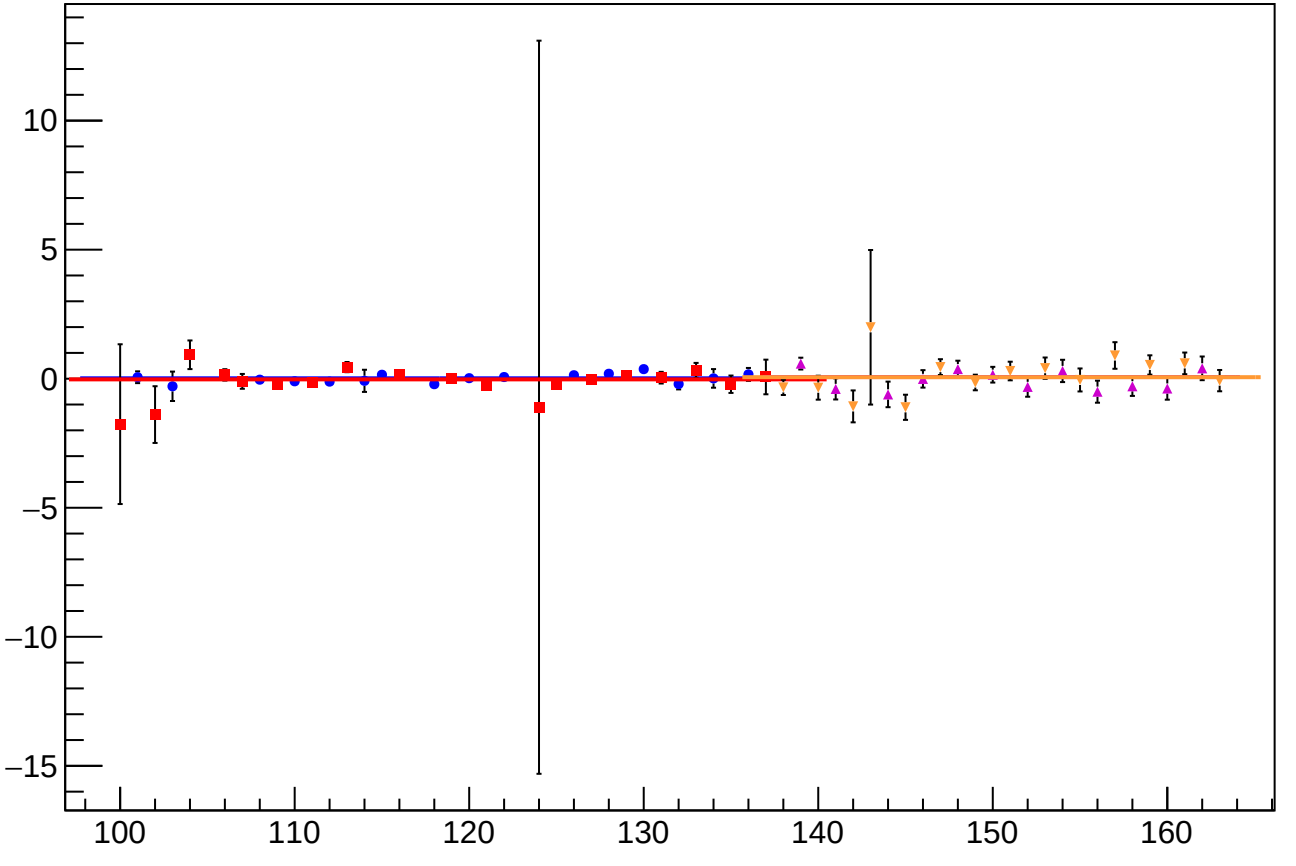
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 153.382+/-0.031 χ^2/NDF:9166407.4/27

Out: 148.584+/-0.030 χ^2/NDF:11783207.0/32

All: 150.955+/-0.022 χ^2/NDF: 20961935.7/60

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: 0.059+/-0.108 χ^2/NDF:21.4/13

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.065+/-0.104 χ^2/NDF:14.9/11

Left: 0.062+/-0.075 χ^2/NDF: 36.2/25

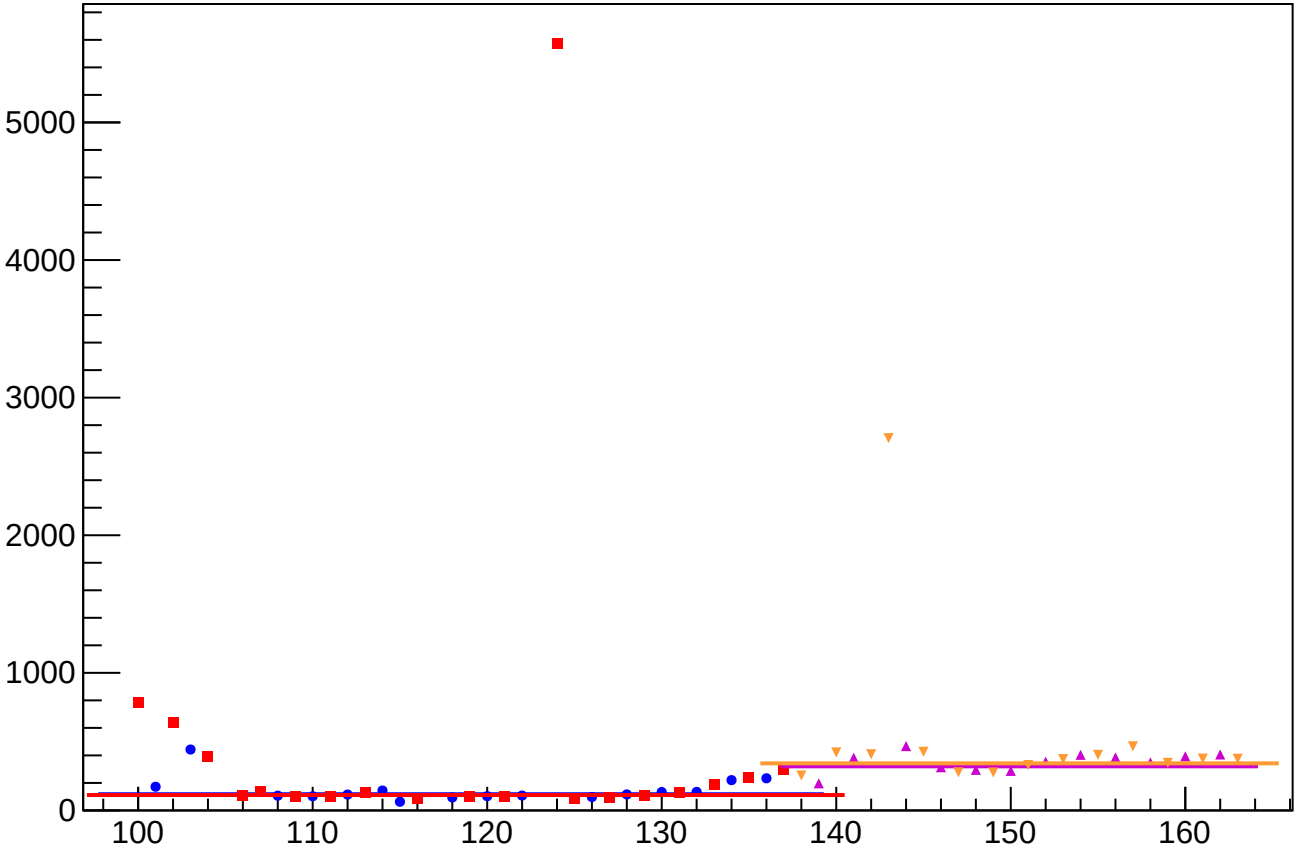
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.043 χ^2/NDF:26.9/27

Out: -0.012+/-0.043 χ^2/NDF:44.0/32

All: 0.006+/-0.031 χ^2/NDF: 71.2/60

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: 342.391+/-0.076 χ^2/NDF:1945076.5/13

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 320.719+/-0.073 χ^2/NDF:1117145.4/11

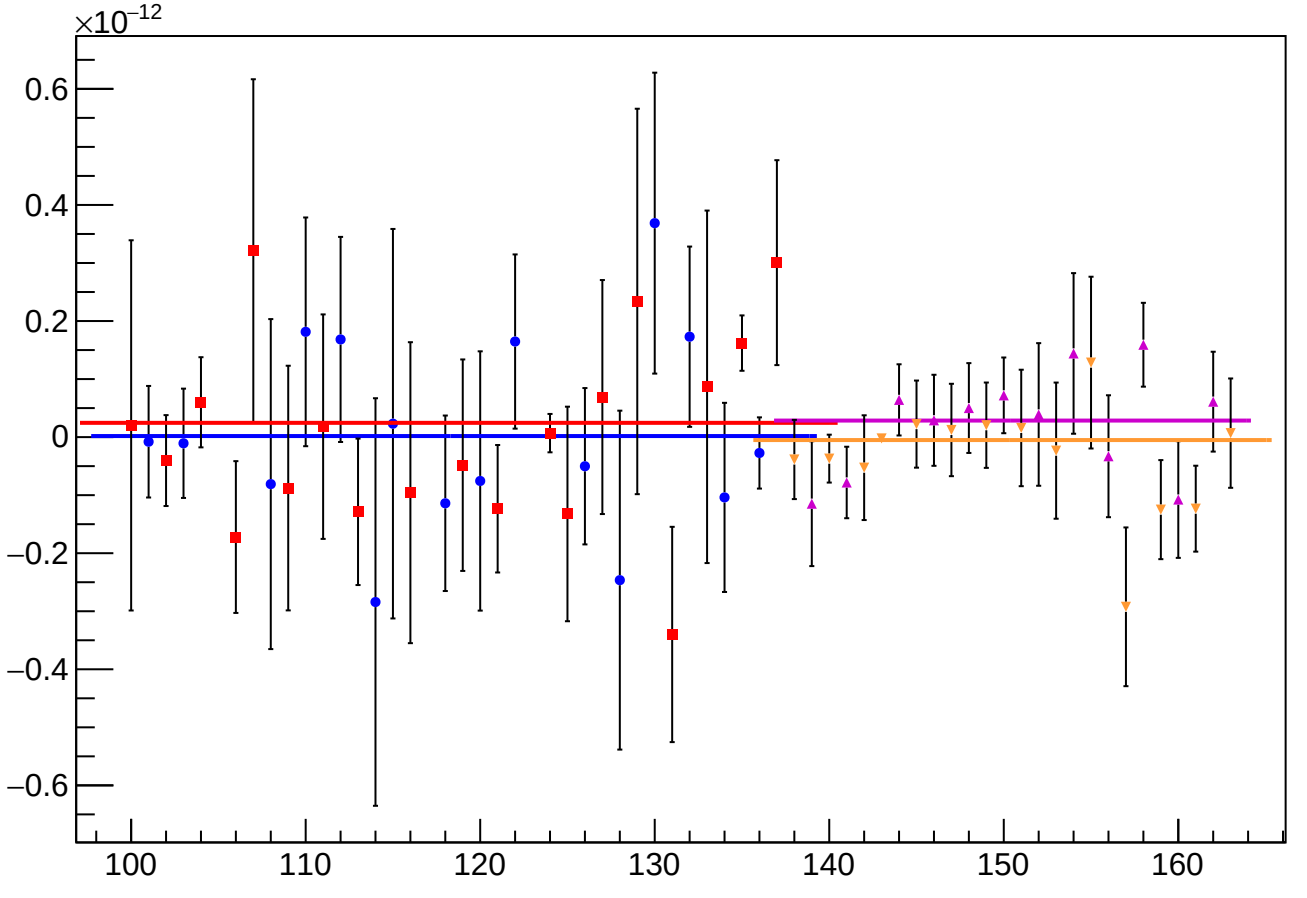
Left: 331.109+/-0.053 χ^2/NDF: 3104145.4/25

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 153.382+/-0.031 χ^2/NDF:9166407.4/27

Out: 148.584+/-0.030 χ^2/NDF:11783207.0/32

All: 150.955+/-0.022 χ^2/NDF: 20961935.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/11

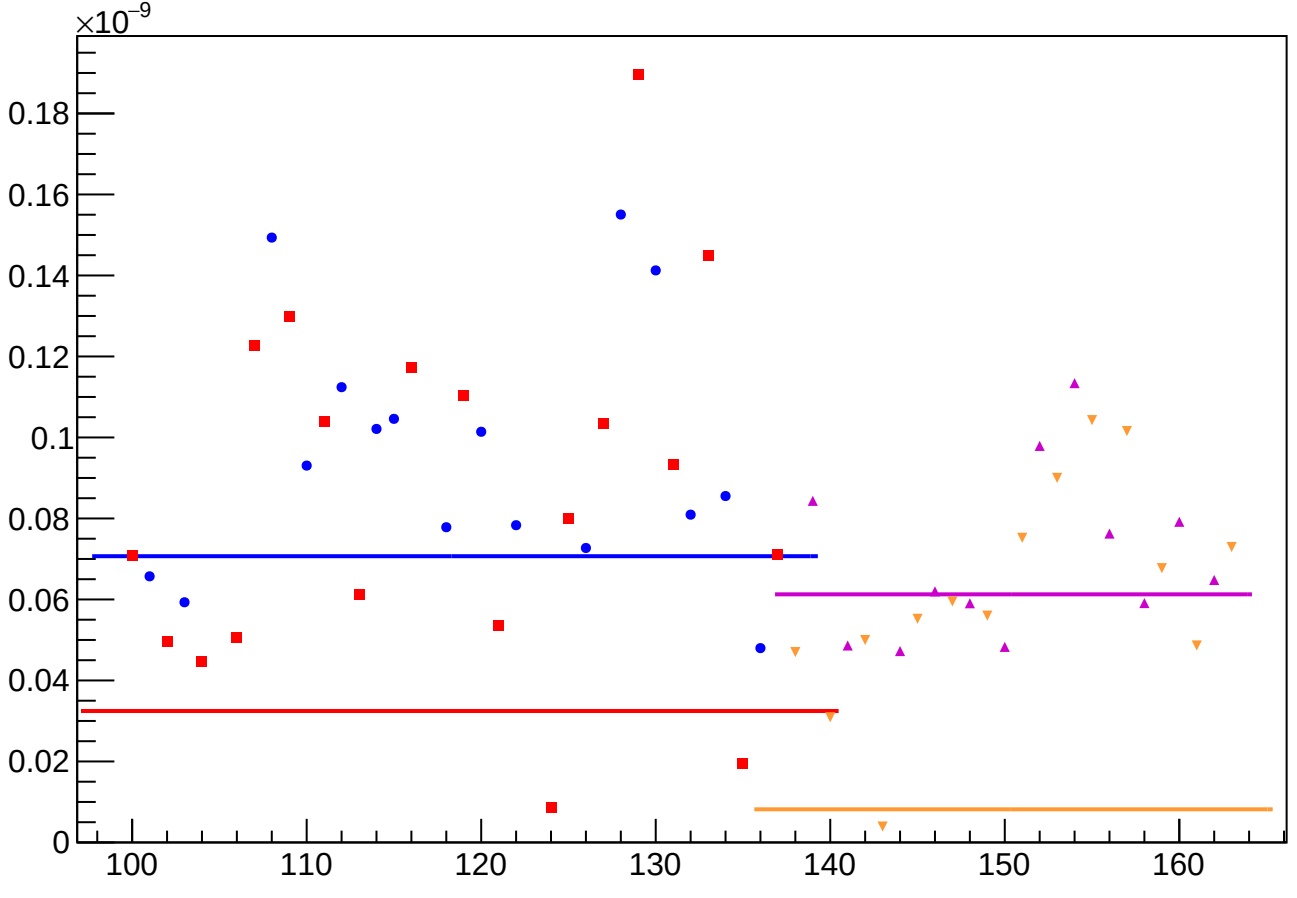
Left: -0.000+/-0.000 χ^2/NDF: 25.3/25

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:21.5/27

Out: -0.000+/-0.000 χ^2/NDF:37.4/32

All: -0.000+/-0.000 χ^2/NDF: 60.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11132759.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:933380.9/11

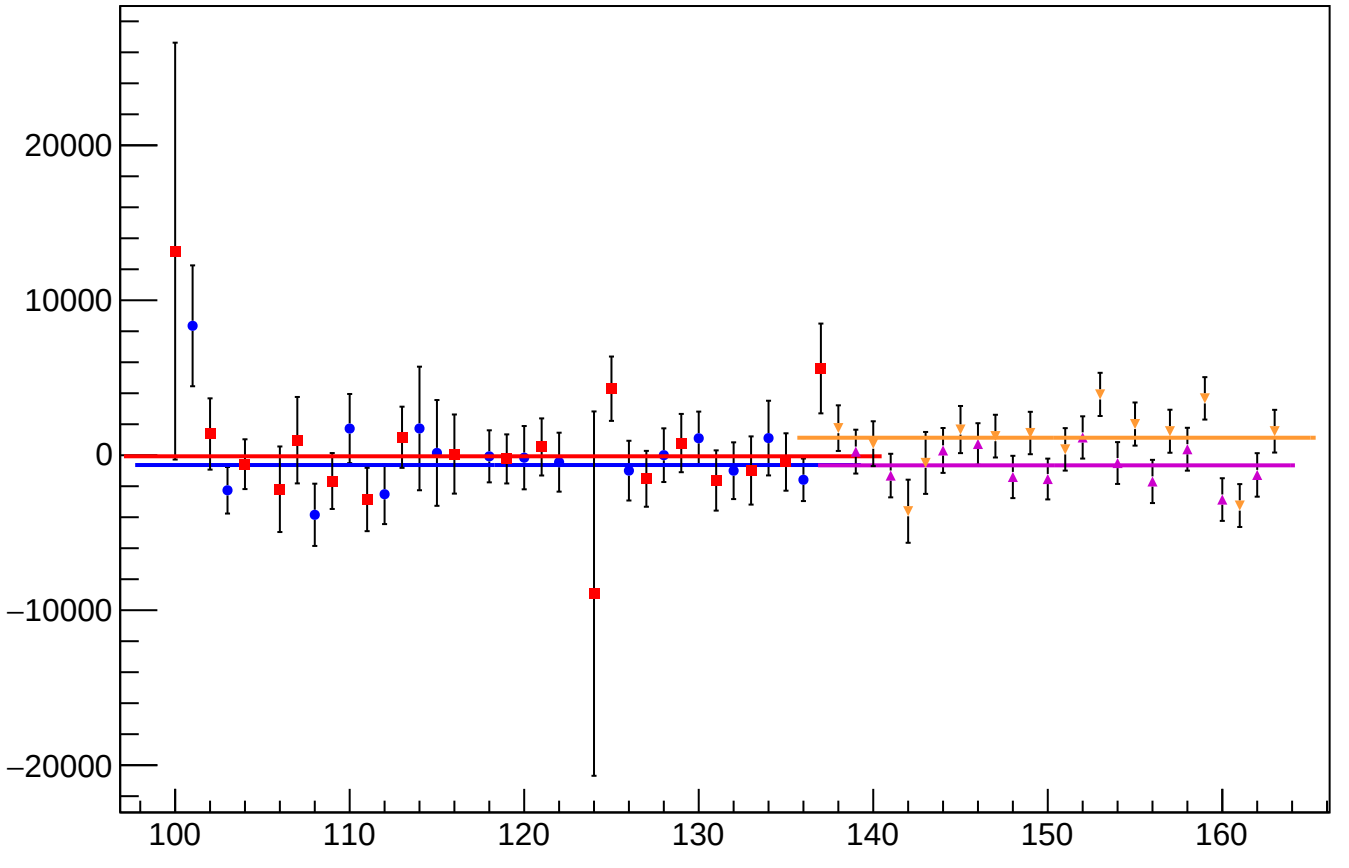
Left: 0.000+/-0.000 χ^2/NDF: 21604609.8/25

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2059179.9/27

Out: 0.000+/-0.000 χ^2/NDF:17903637.2/32

All: 0.000+/-0.000 χ^2/NDF: 34162587.1/60



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -651.480+/-398.041 χ^2/NDF:8.5/11

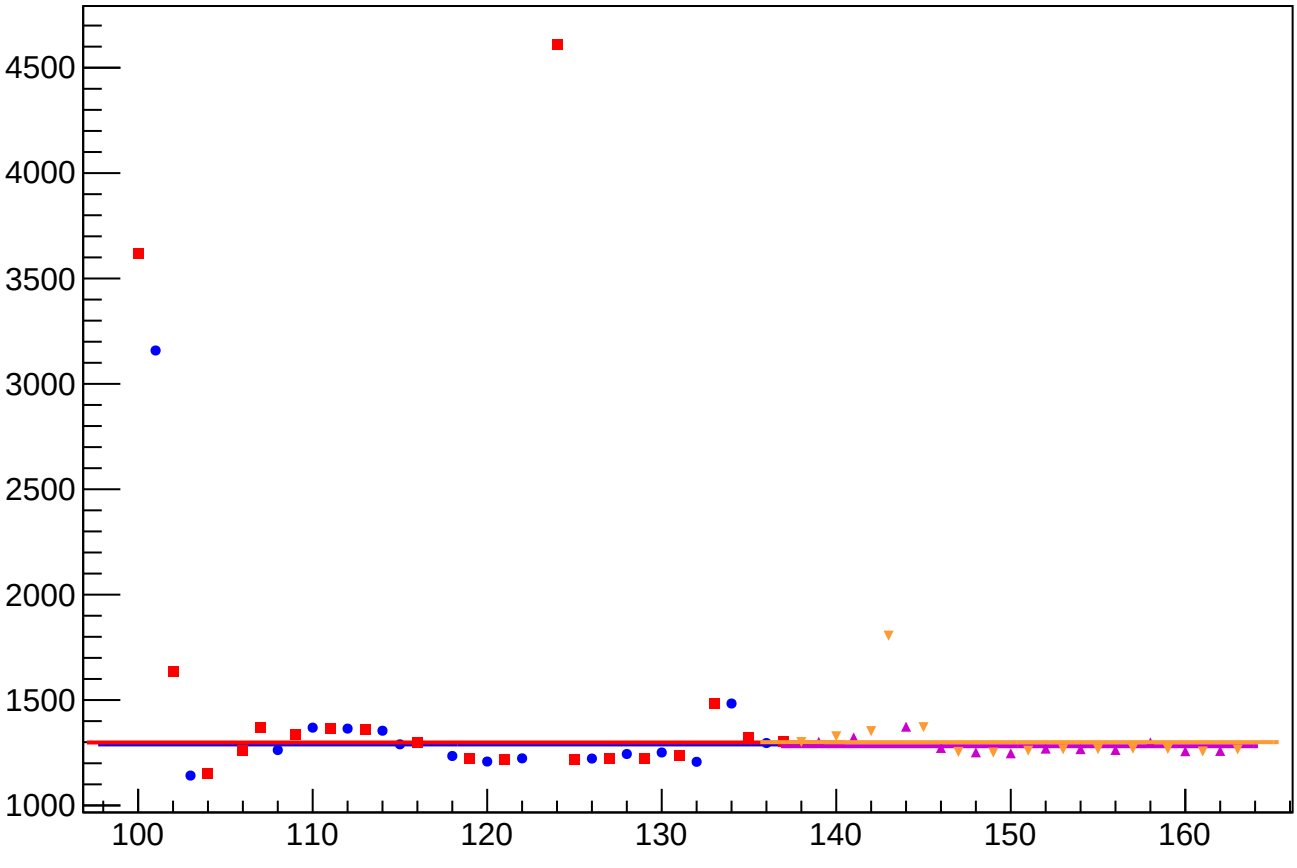
Left: 258.591+/-278.411 χ^2/NDF: 43.6/25

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -643.328+/-308.615 χ^2/NDF:22.4/27

Out: 663.758+/-304.394 χ^2/NDF:44.4/32

All: 19.216+/-216.716 χ^2/NDF: 75.9/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

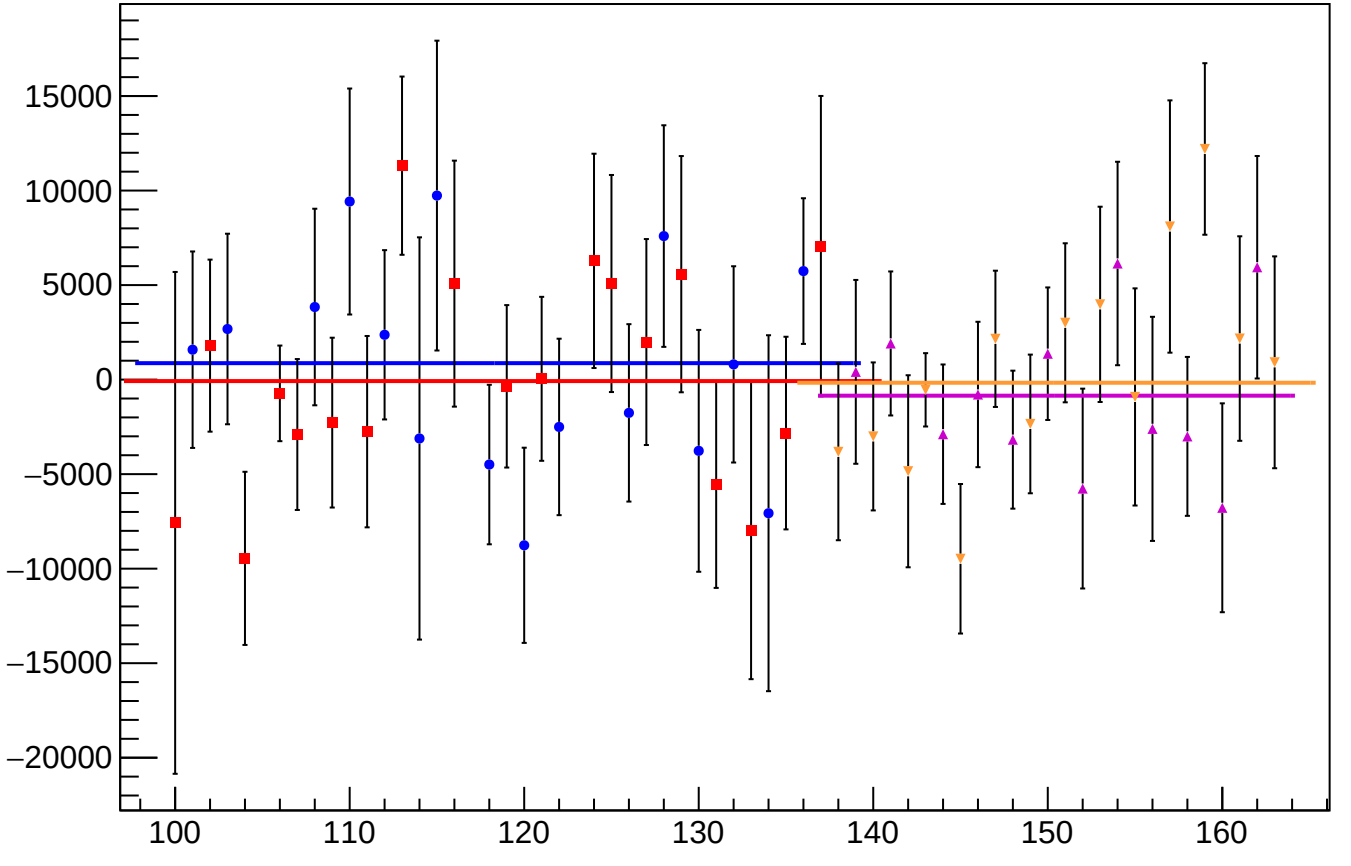
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1284.335+/-0.218 χ^2/NDF:529806.9/27

Out: 1299.664+/-0.215 χ^2/NDF:468035.3/32

All: 1292.113+/-0.153 χ^2/NDF: 1000345.9/60

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -165.392+/-1058.655 χ^2/NDF:18.8/13

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -850.143+/-1264.028 χ^2/NDF:7.1/11

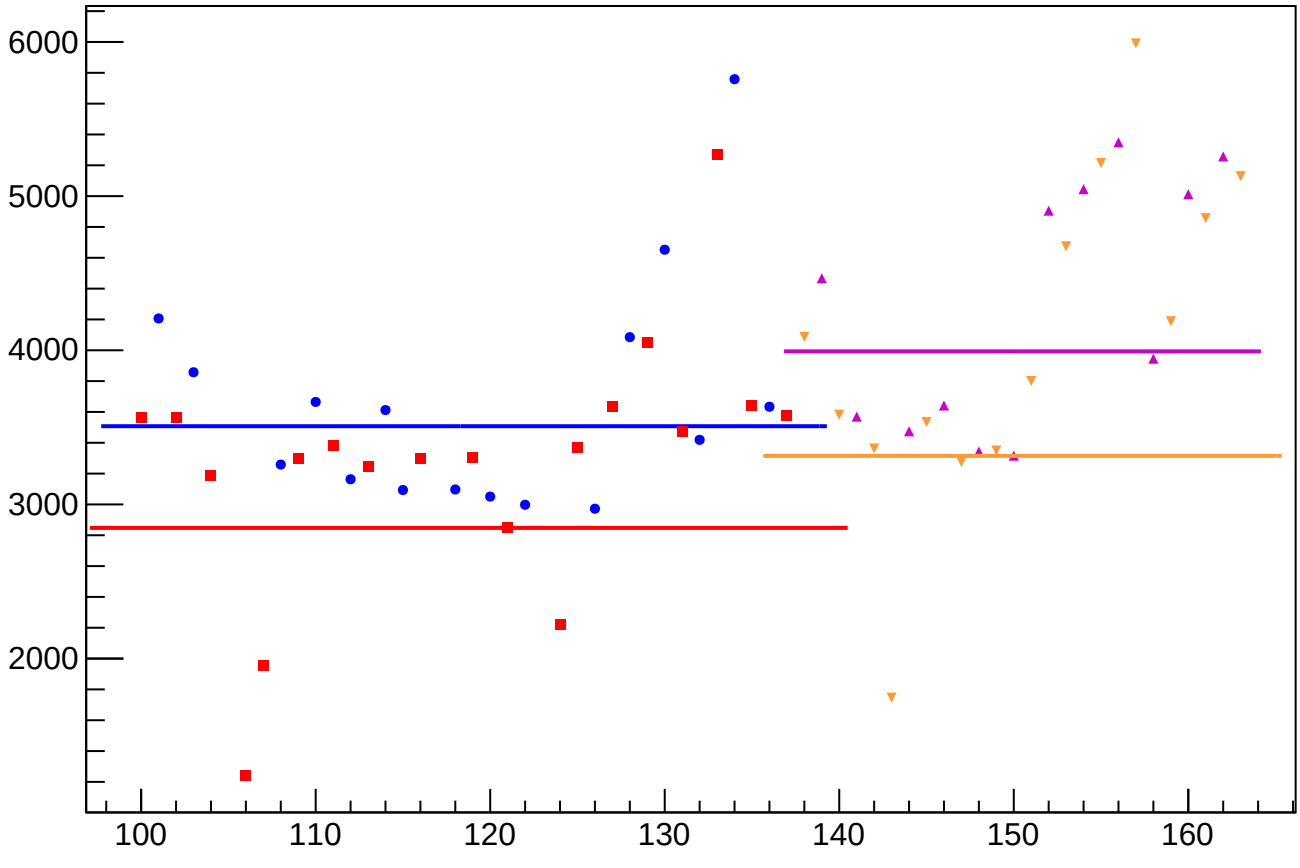
Left: -447.691+/-811.605 χ^2/NDF: 26.0/25

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -30.598+/-914.690 χ^2/NDF:22.0/27

Out: -123.484+/-766.444 χ^2/NDF:37.1/32

All: -85.169+/-587.469 χ^2/NDF: 59.1/60



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3993.063+/-0.894 χ^2/NDF:639372.8/11

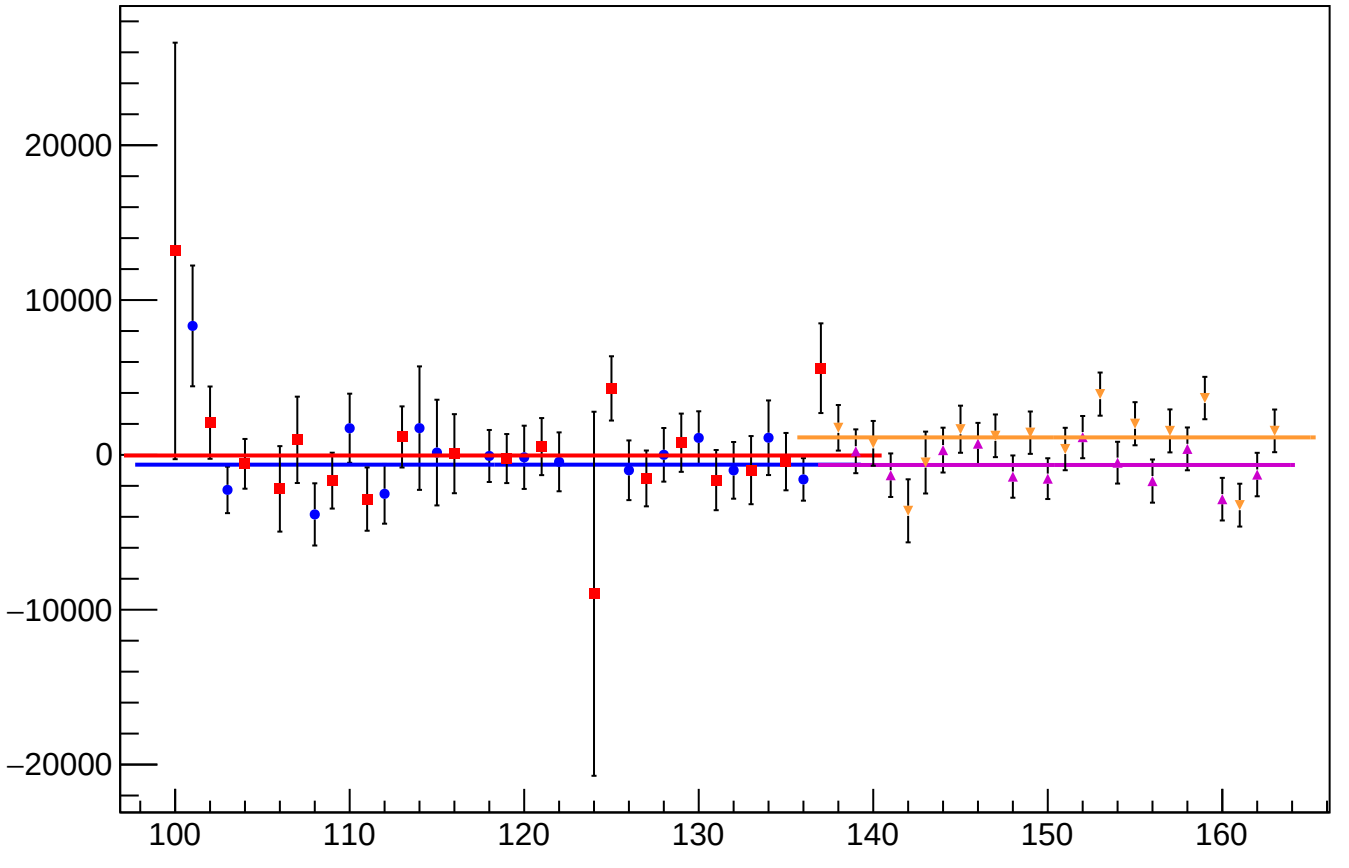
Left: 3594.585+/-0.574 χ^2/NDF: 3508636.0/25

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3761.712+/-0.647 χ^2/NDF:1133997.3/27

Out: 3092.735+/-0.542 χ^2/NDF:4215846.5/32

All: 3368.687+/-0.415 χ^2/NDF: 5978356.5/60



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -651.455+/-398.041 χ^2/NDF:8.5/11

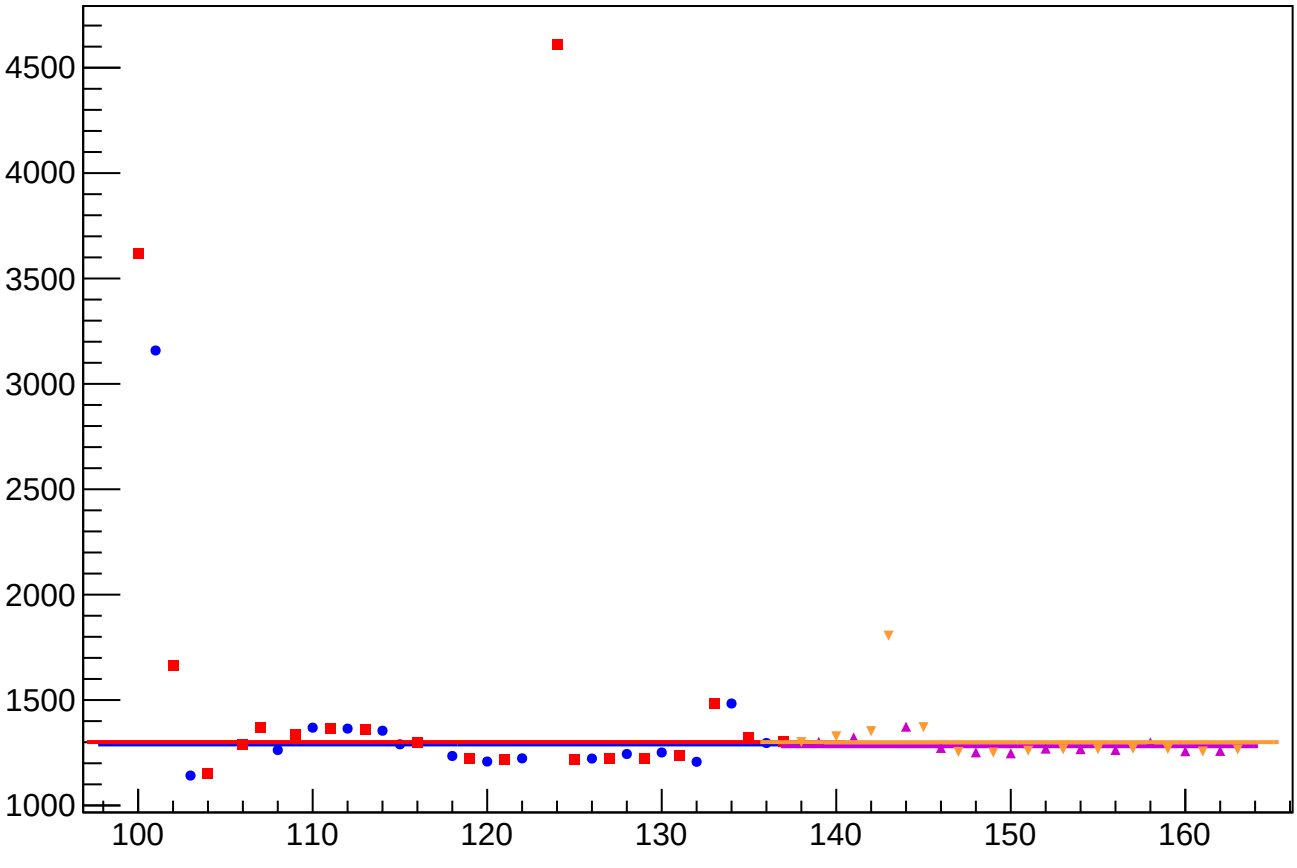
Left: 258.618+/-278.411 χ^2/NDF: 43.6/25

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -643.467+/-308.615 χ^2/NDF:22.4/27

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: 24.902+/-216.744 χ^2/NDF: 76.3/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

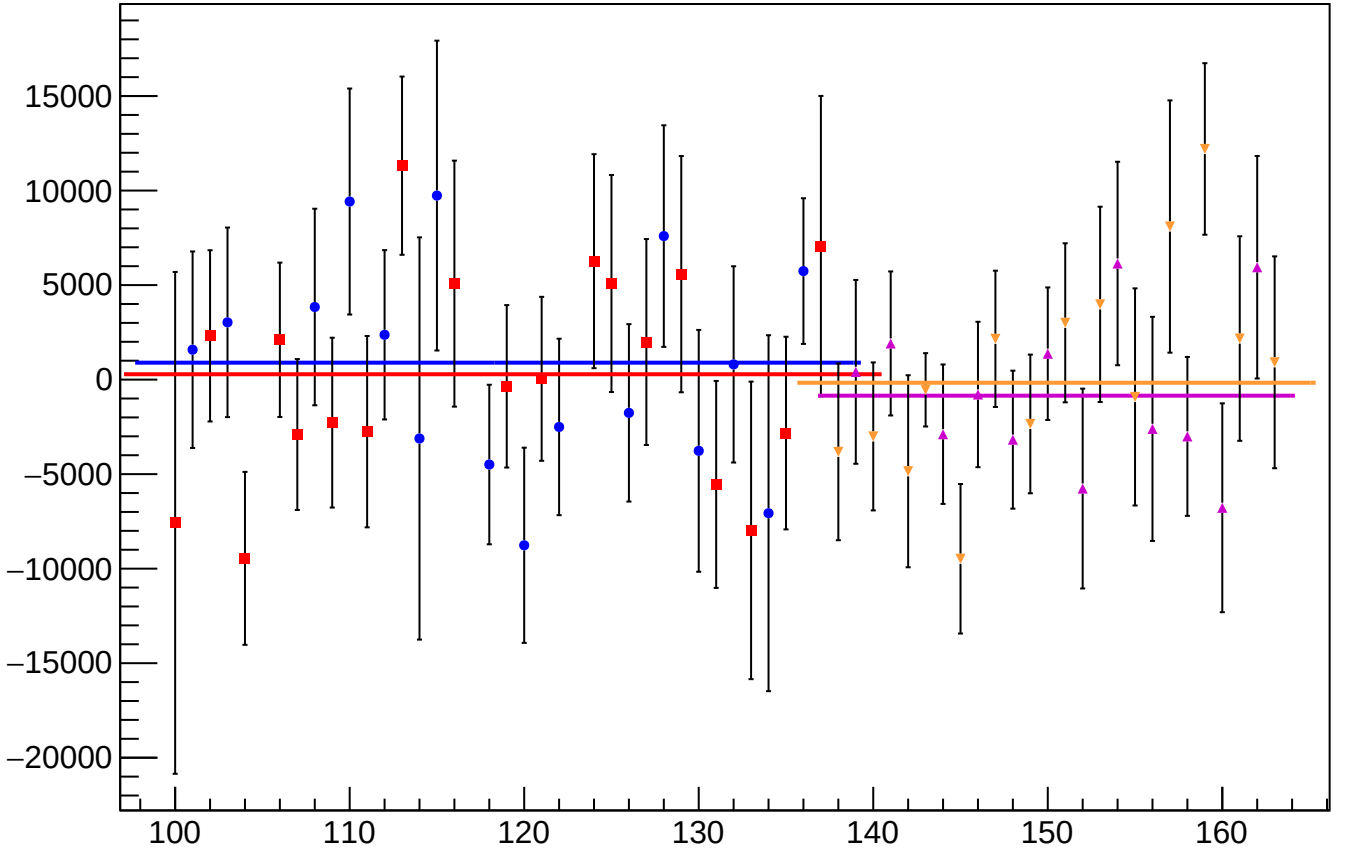
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1284.335+/-0.218 χ^2/NDF:529808.4/27

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -850.171+/-1264.027 χ^2/NDF:7.1/11

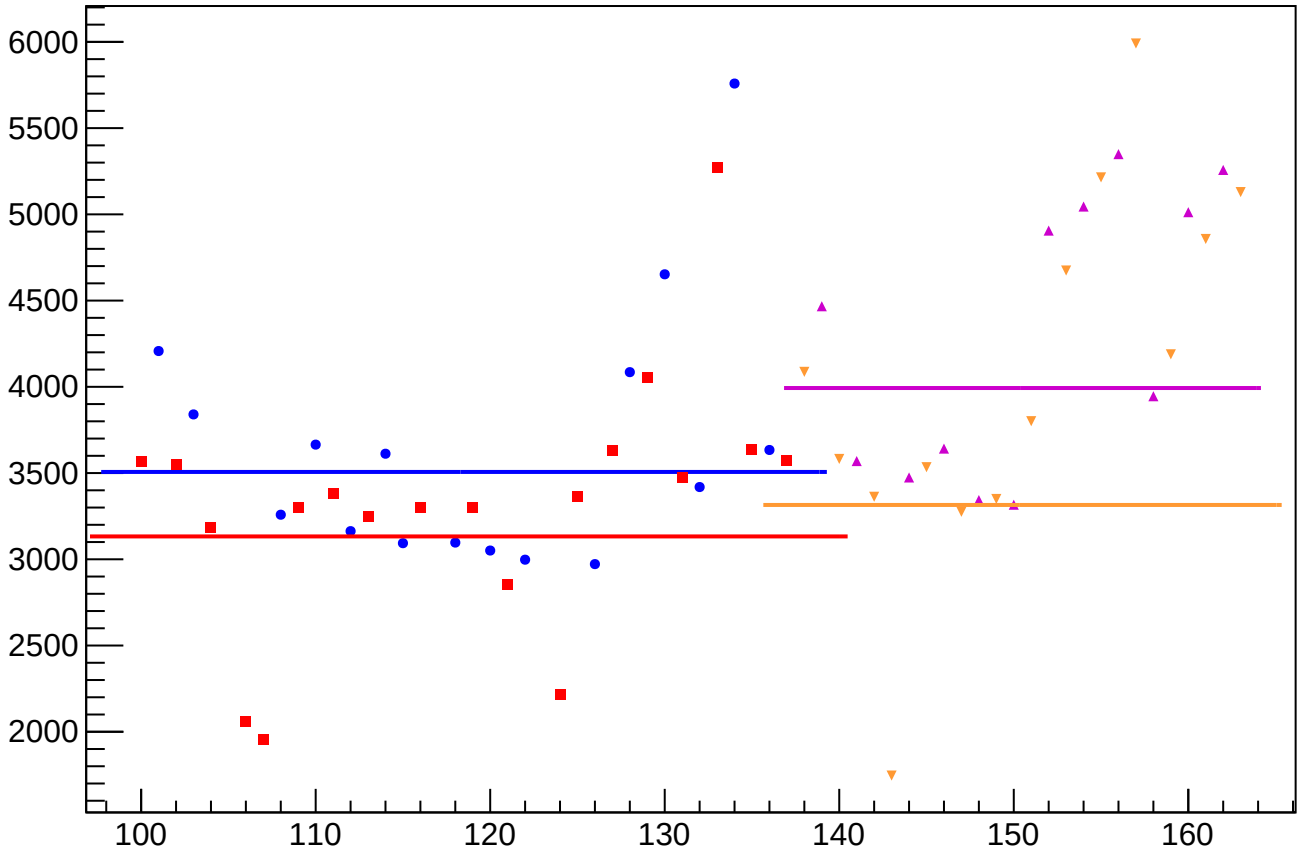
Left: -447.644+/-811.604 χ^2/NDF: 26.0/25

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -18.062+/-914.540 χ^2/NDF:22.1/27

Out: 34.458+/-788.943 χ^2/NDF:37.5/32

All: 12.050+/-597.377 χ^2/NDF: 59.5/60



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

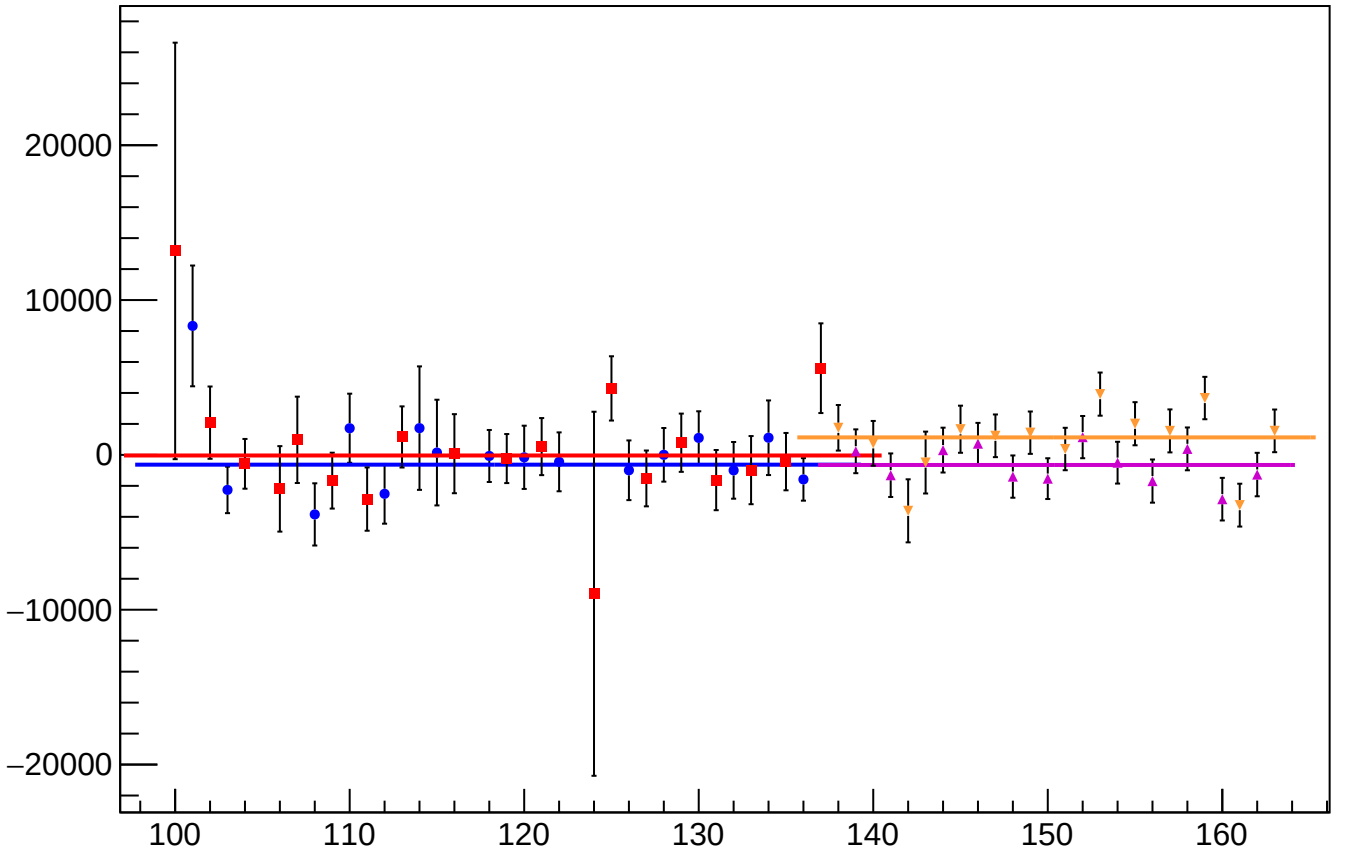
Left: 3594.577+/-0.574 χ^2/NDF: 3508665.8/25

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3761.192+/-0.647 χ^2/NDF:1133834.6/27

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -651.455+/-398.041 χ^2/NDF:8.5/11

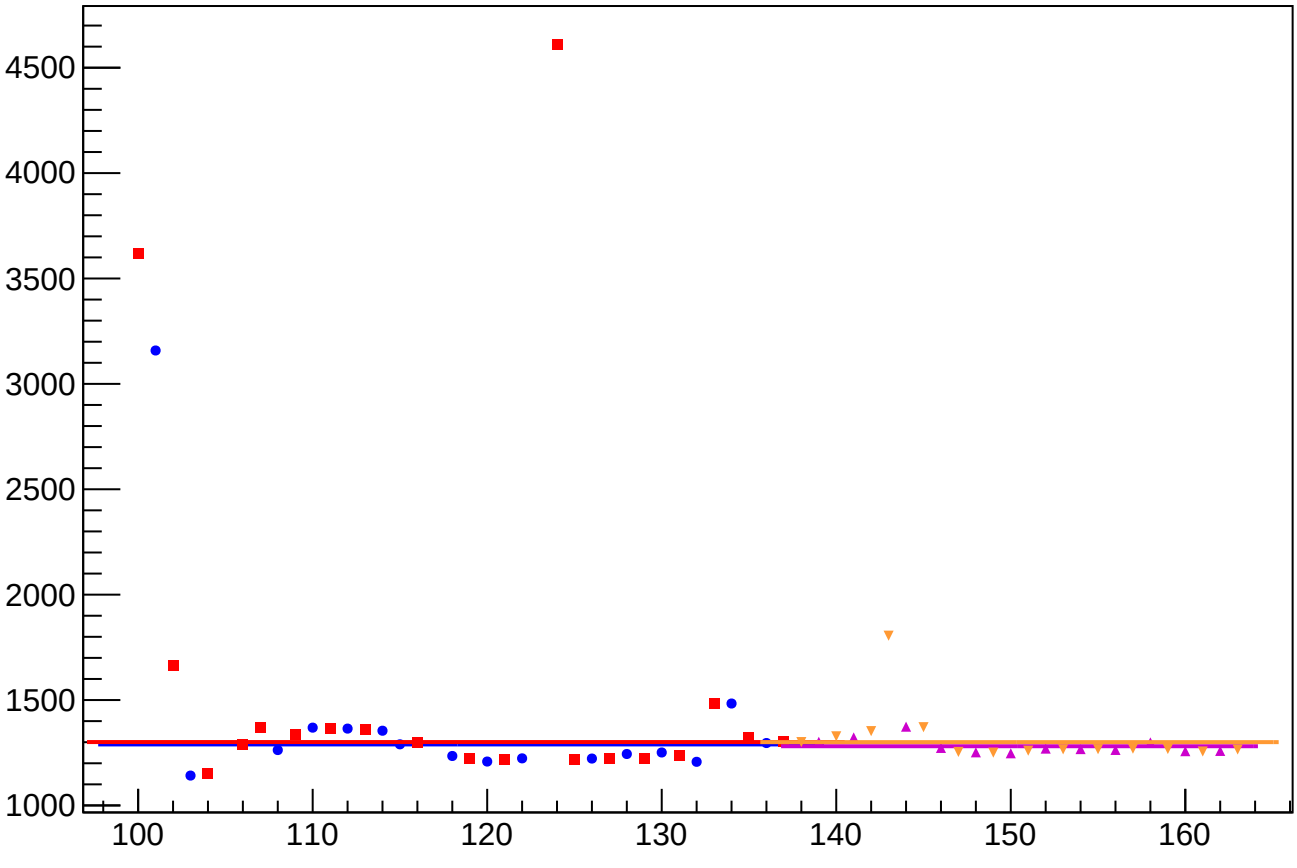
Left: 258.618+/-278.411 χ^2/NDF: 43.6/25

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -643.467+/-308.615 χ^2/NDF:22.4/27

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: 24.902+/-216.744 χ^2/NDF: 76.3/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

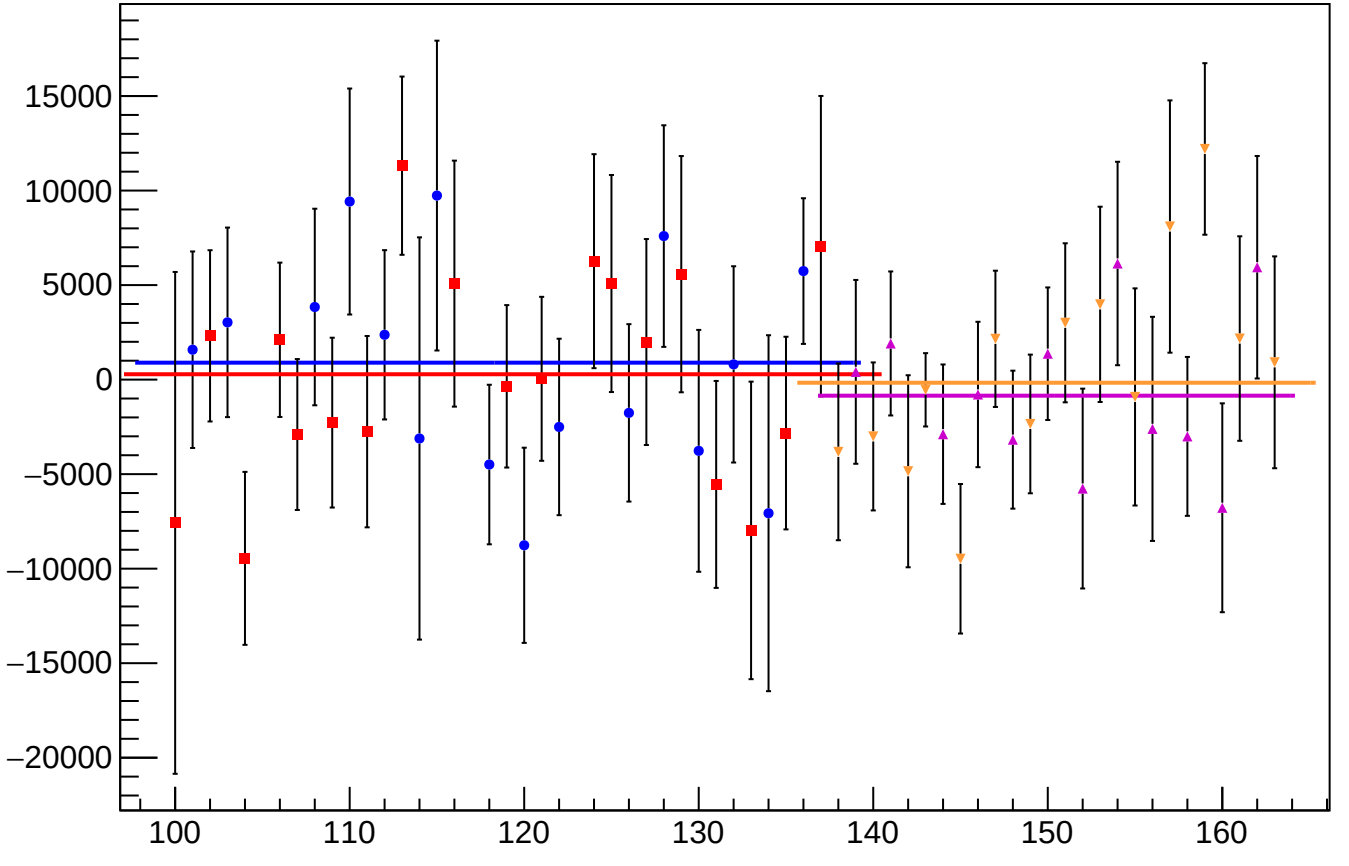
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1284.335+/-0.218 χ^2/NDF:529808.4/27

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -850.171+/-1264.027 χ^2/NDF:7.1/11

Left: -447.644+/-811.604 χ^2/NDF: 26.0/25

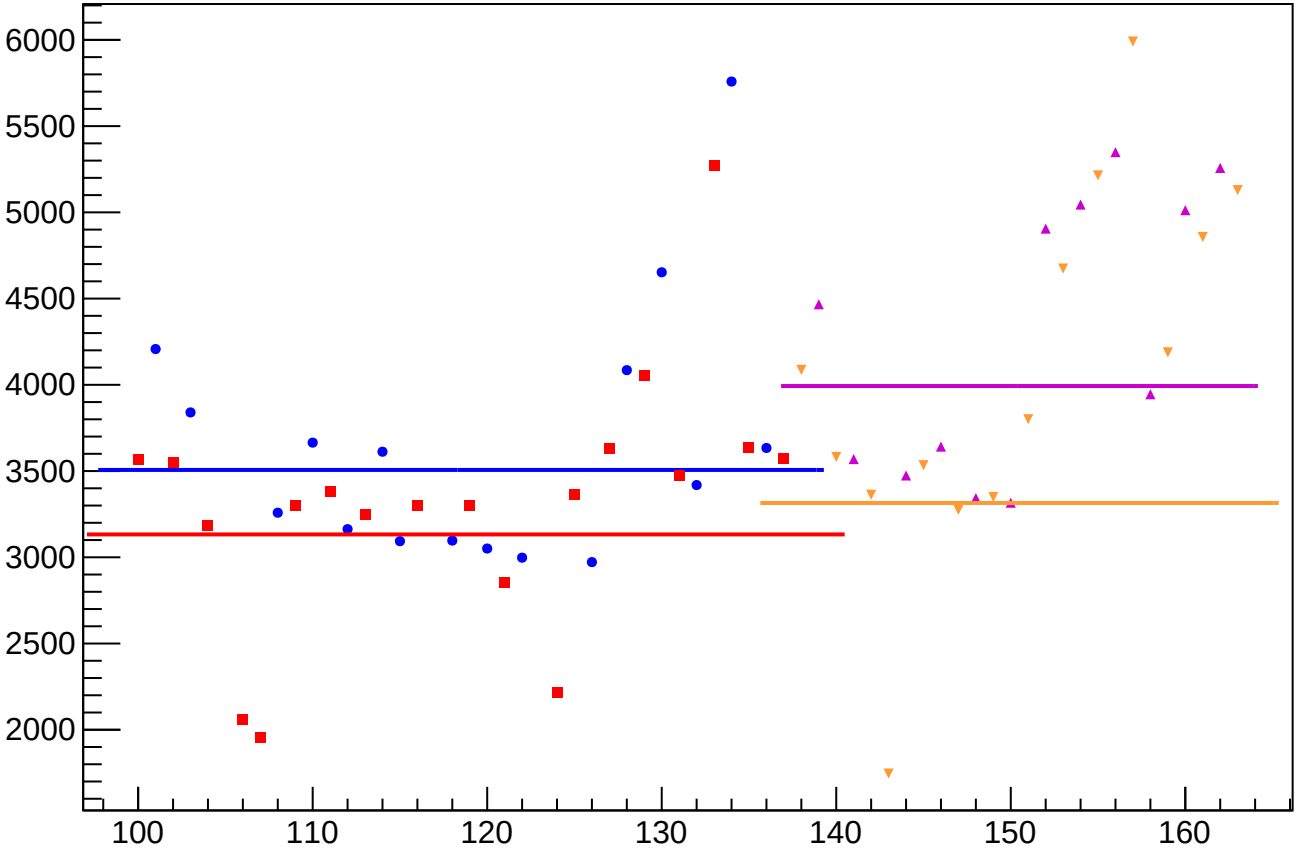
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -18.062+/-914.540 χ^2/NDF:22.1/27

Out: 34.458+/-788.943 χ^2/NDF:37.5/32

All: 12.050+/-597.377 χ^2/NDF: 59.5/60

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

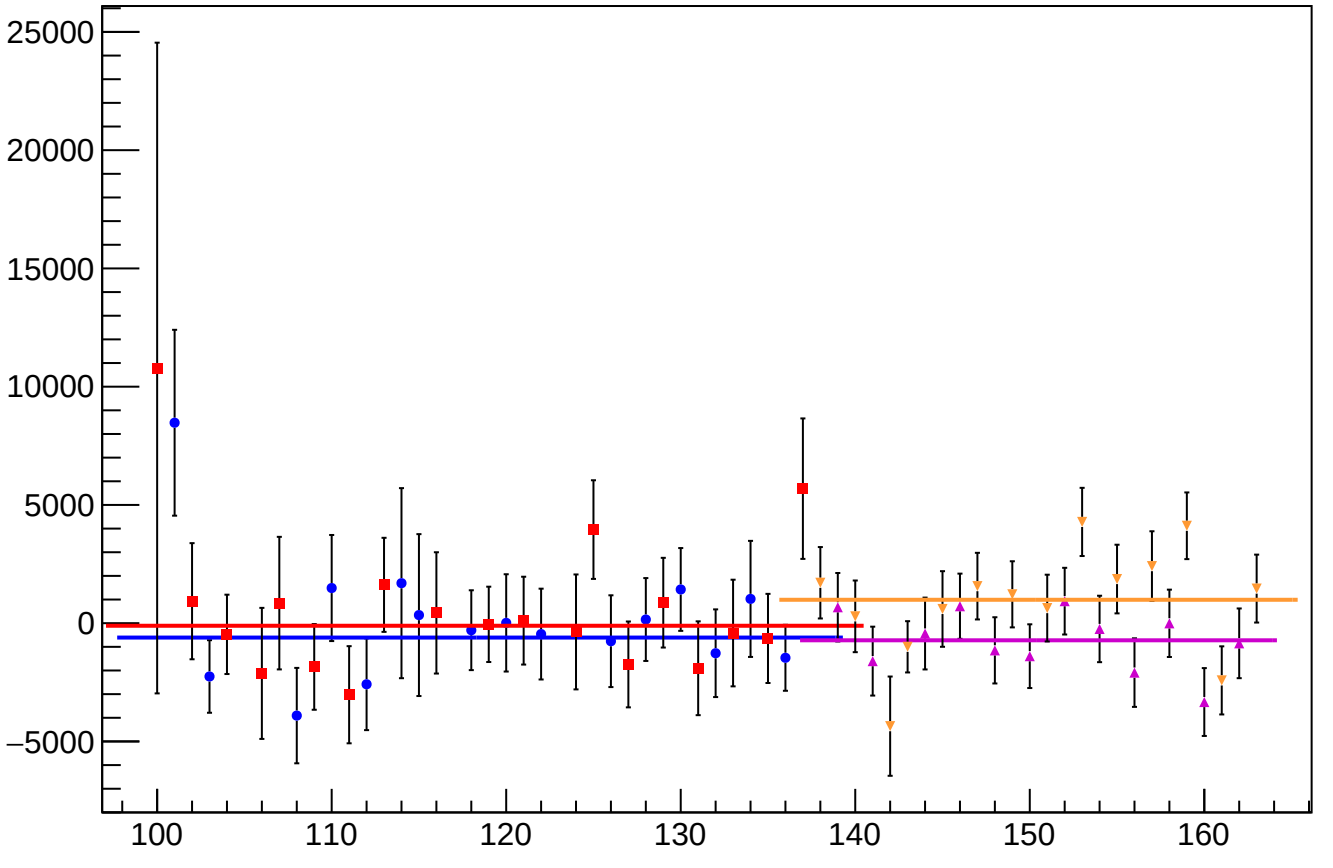
Left: 3594.577+/-0.574 χ^2/NDF: 3508665.8/25

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3761.192+/-0.647 χ^2/NDF:1133834.6/27

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -723.521+/-411.888 χ^2/NDF:8.7/11

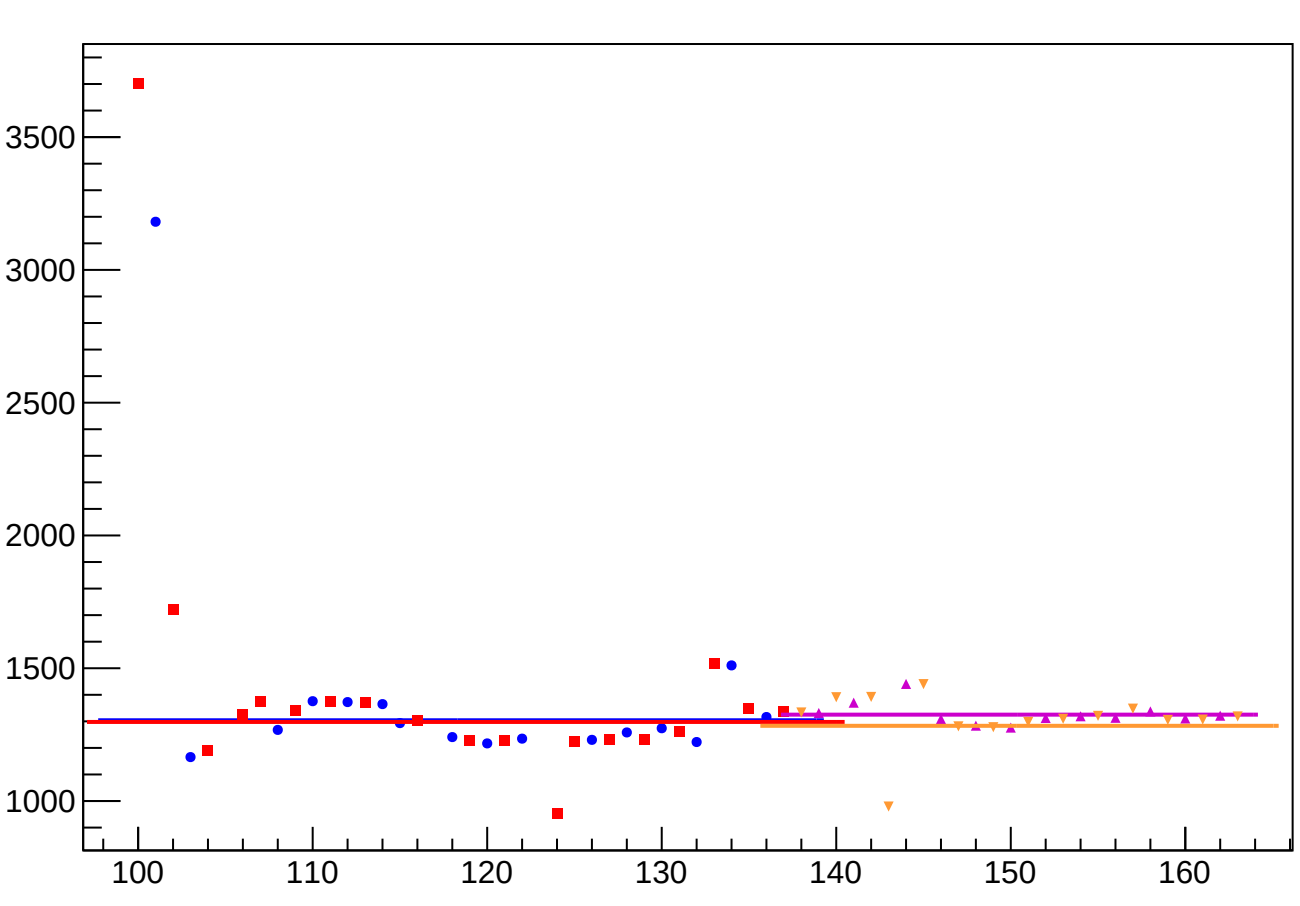
Left: 190.925+/-281.246 χ^2/NDF: 45.7/25

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -676.098+/-316.399 χ^2/NDF:22.9/27

Out: 565.793+/-301.656 χ^2/NDF:45.8/32

All: -25.544+/-218.329 χ^2/NDF: 76.7/60



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.265+/-0.291 χ^2/NDF:18919.4/11

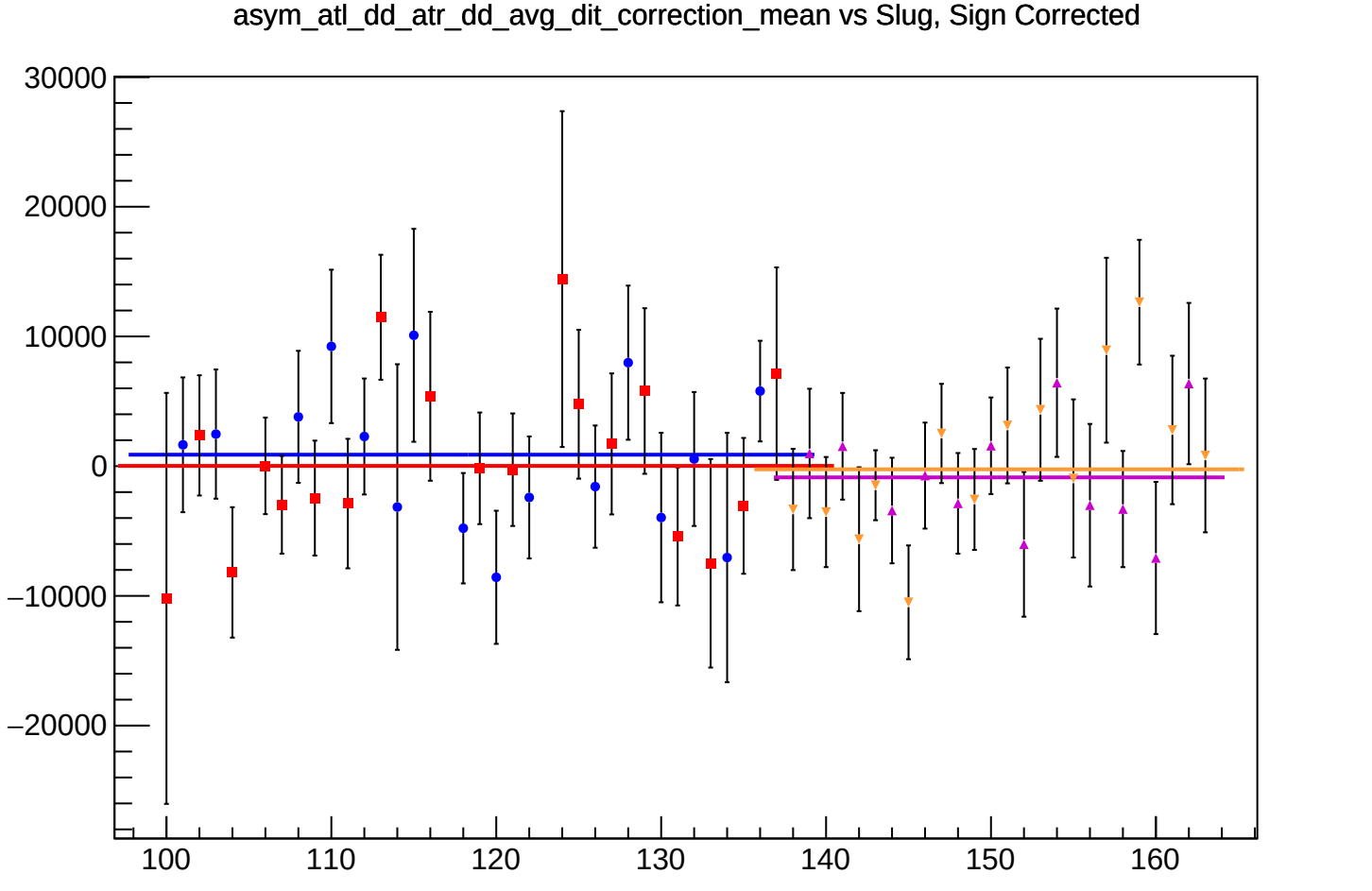
Left: 1302.829+/-0.199 χ^2/NDF: 232650.1/25

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

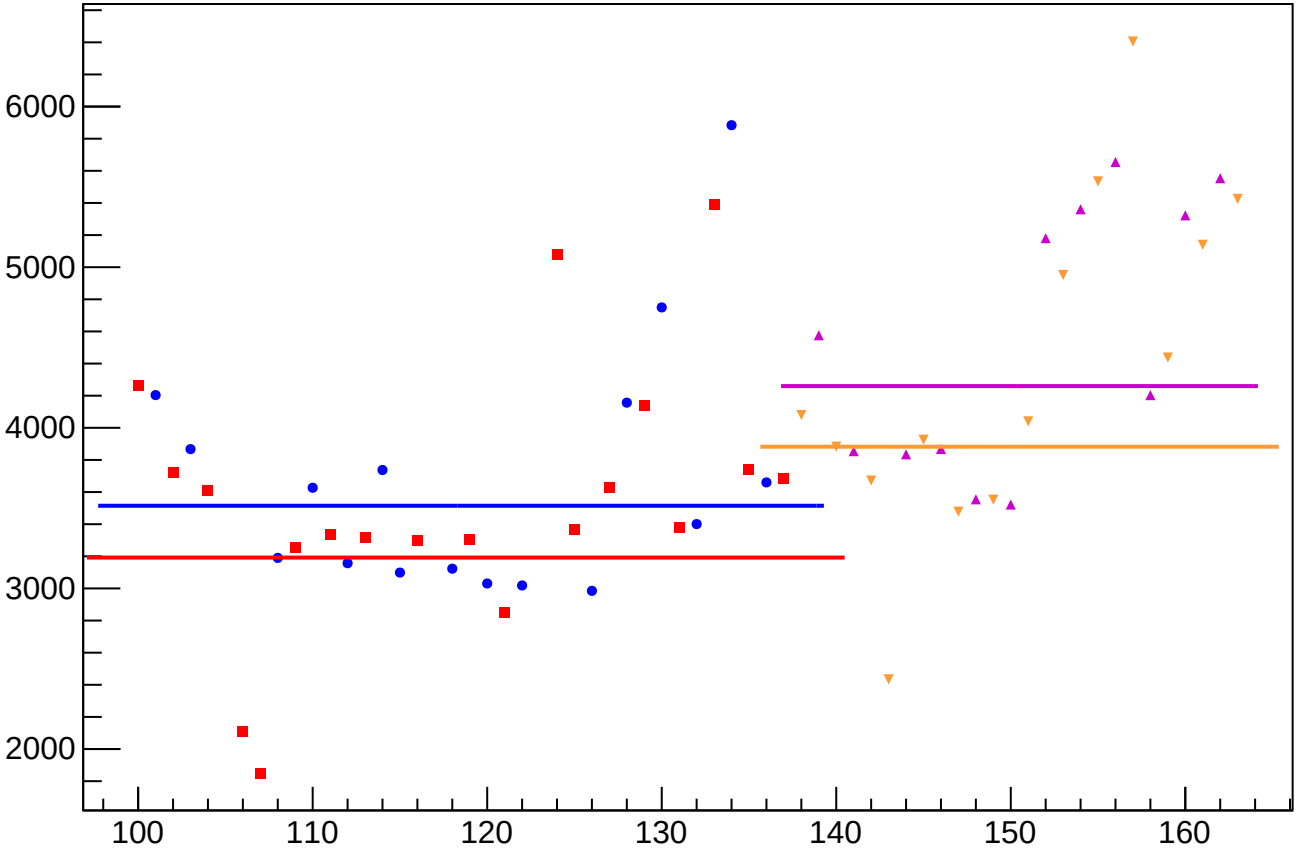
In: 1316.590+/-0.224 χ^2/NDF:531673.1/27

Out: 1288.857+/-0.213 χ^2/NDF:416815.4/32

All: 1302.058+/-0.154 χ^2/NDF: 956539.9/60


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -243.884+/-1203.871 χ²/NDF:19.0/13
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -864.193+/-1347.089 χ²/NDF:6.9/11
Left: -519.322+/-897.644 χ²/NDF: 26.0/25
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 22.803+/-945.497 χ²/NDF:21.9/27
Out: -111.177+/-849.899 χ²/NDF:35.8/32
All: -51.301+/-632.073 χ²/NDF: 57.8/60

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4259.773+/-0.953 χ^2/NDF:592481.9/11

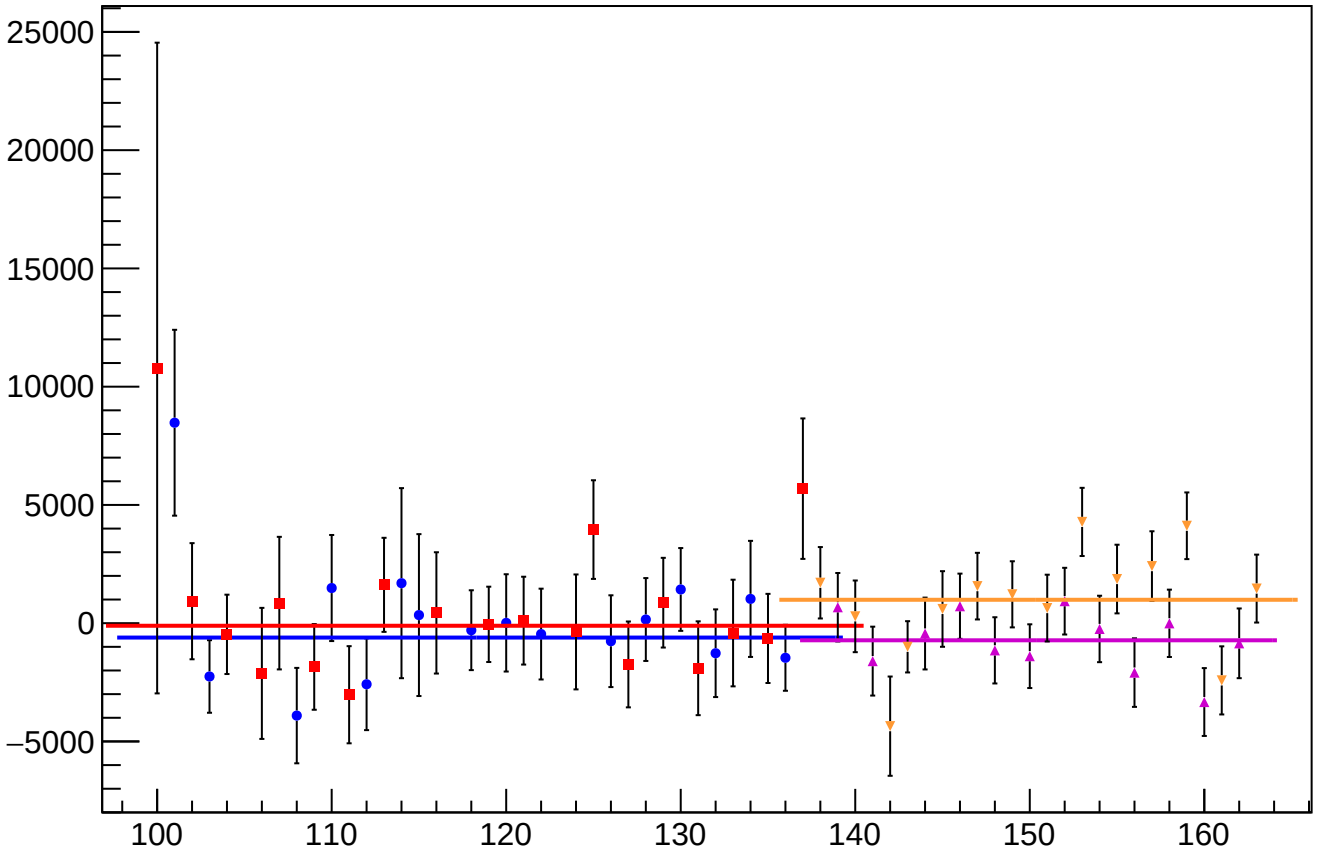
Left: 4049.992+/-0.635 χ^2/NDF: 2034944.4/25

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3881.775+/-0.669 χ^2/NDF:1277945.1/27

Out: 3536.218+/-0.601 χ^2/NDF:2457505.3/32

All: 3690.649+/-0.447 χ^2/NDF: 3883207.9/60



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -723.521+/-411.889 χ^2/NDF:8.7/11

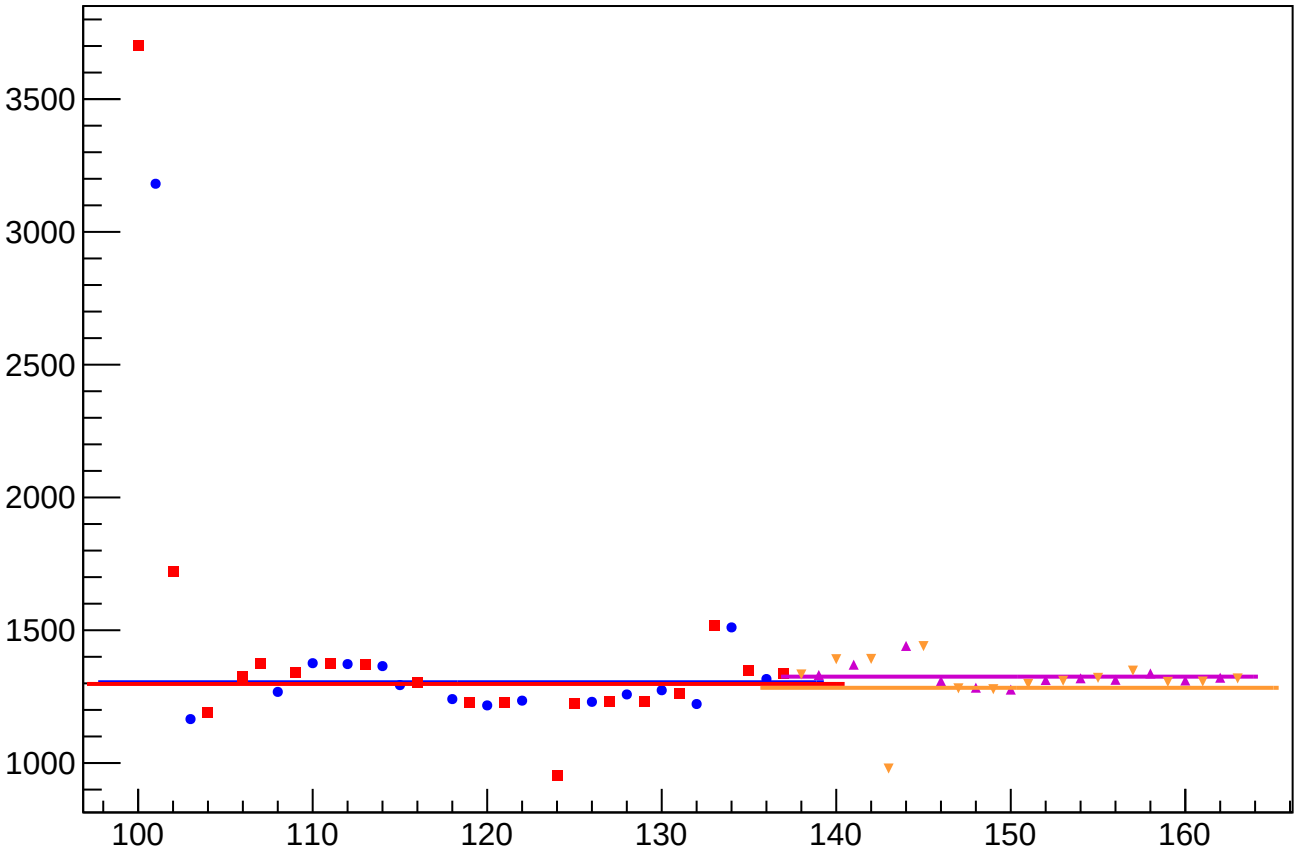
Left: 190.928+/-281.246 χ^2/NDF: 45.7/25

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -676.099+/-316.399 χ^2/NDF:22.9/27

Out: 565.794+/-301.656 χ^2/NDF:45.8/32

All: -25.544+/-218.329 χ^2/NDF: 76.7/60



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.231+/-0.272 χ^2/NDF:202612.9/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.266+/-0.291 χ^2/NDF:18919.5/11

Left: 1302.830+/-0.199 χ^2/NDF: 232650.8/25

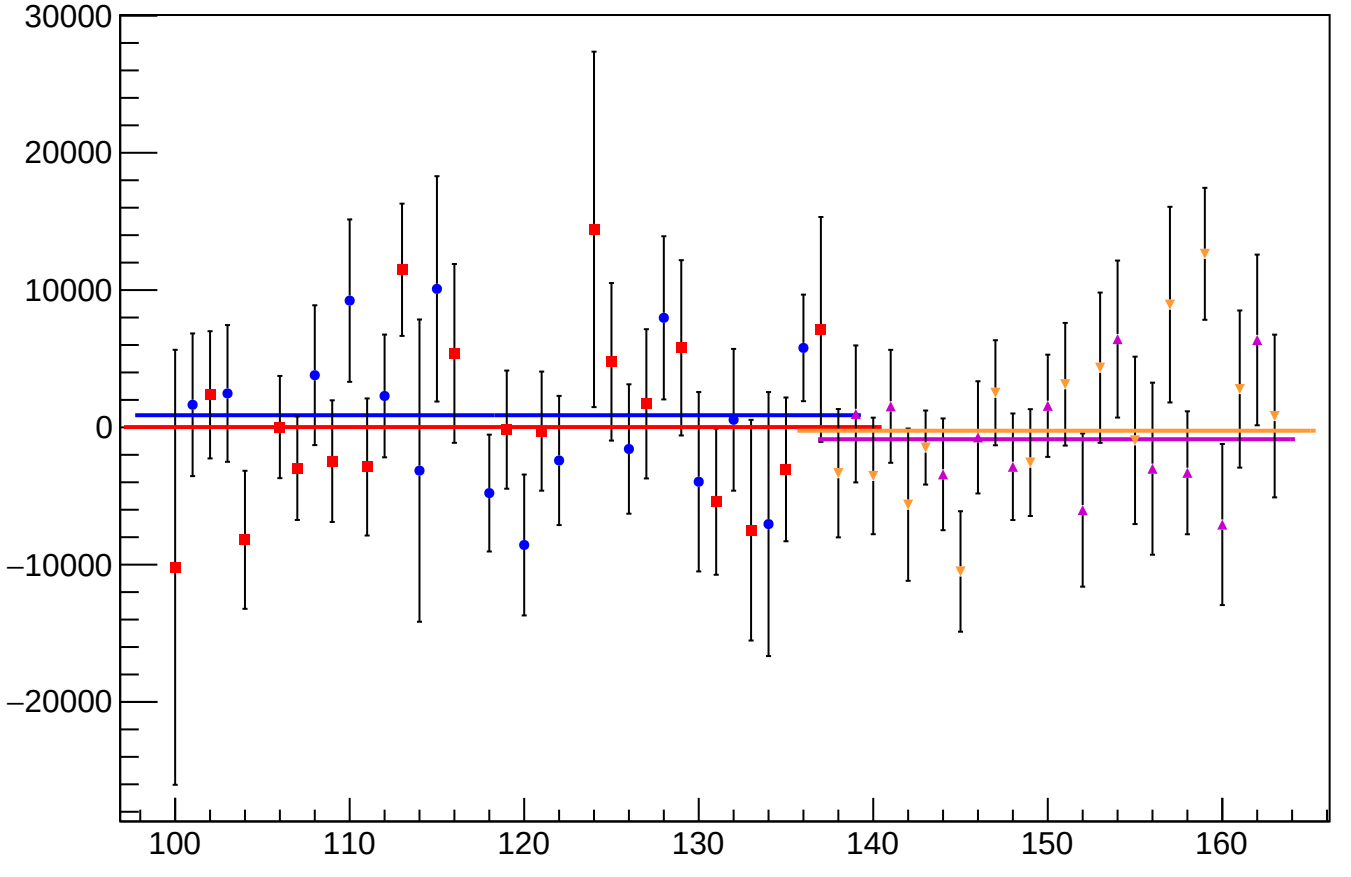
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.591+/-0.224 χ^2/NDF:531673.6/27

Out: 1288.858+/-0.213 χ^2/NDF:416815.9/32

All: 1302.059+/-0.154 χ^2/NDF: 956540.9/60

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -243.880+/-1203.873 χ^2/NDF:19.0/13

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -864.193+/-1347.090 χ^2/NDF:6.9/11

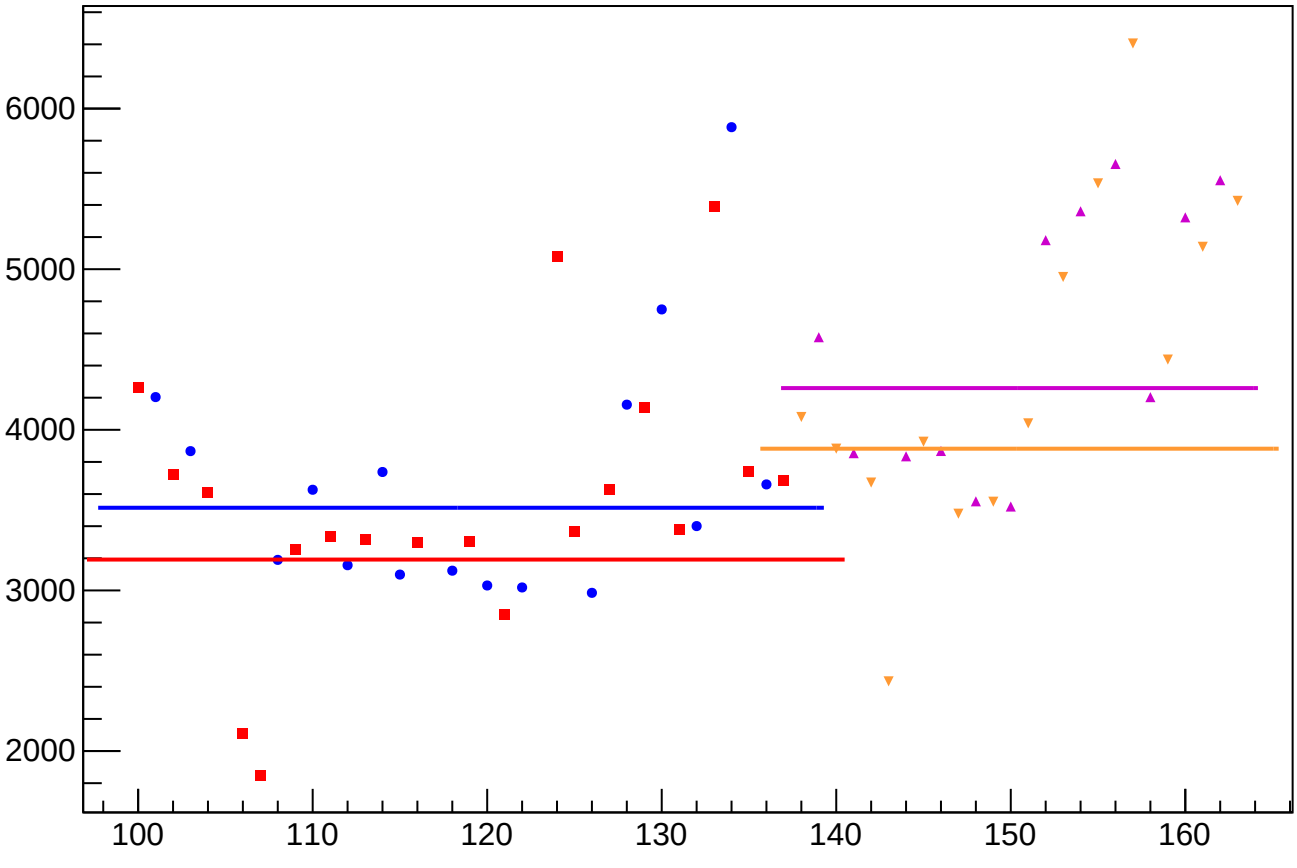
Left: -519.320+/-897.645 χ^2/NDF: 26.0/25

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 22.801+/-945.497 χ^2/NDF:21.9/27

Out: -111.176+/-849.898 χ^2/NDF:35.8/32

All: -51.302+/-632.073 χ^2/NDF: 57.8/60



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4259.779+/-0.953 χ^2/NDF:592482.7/11

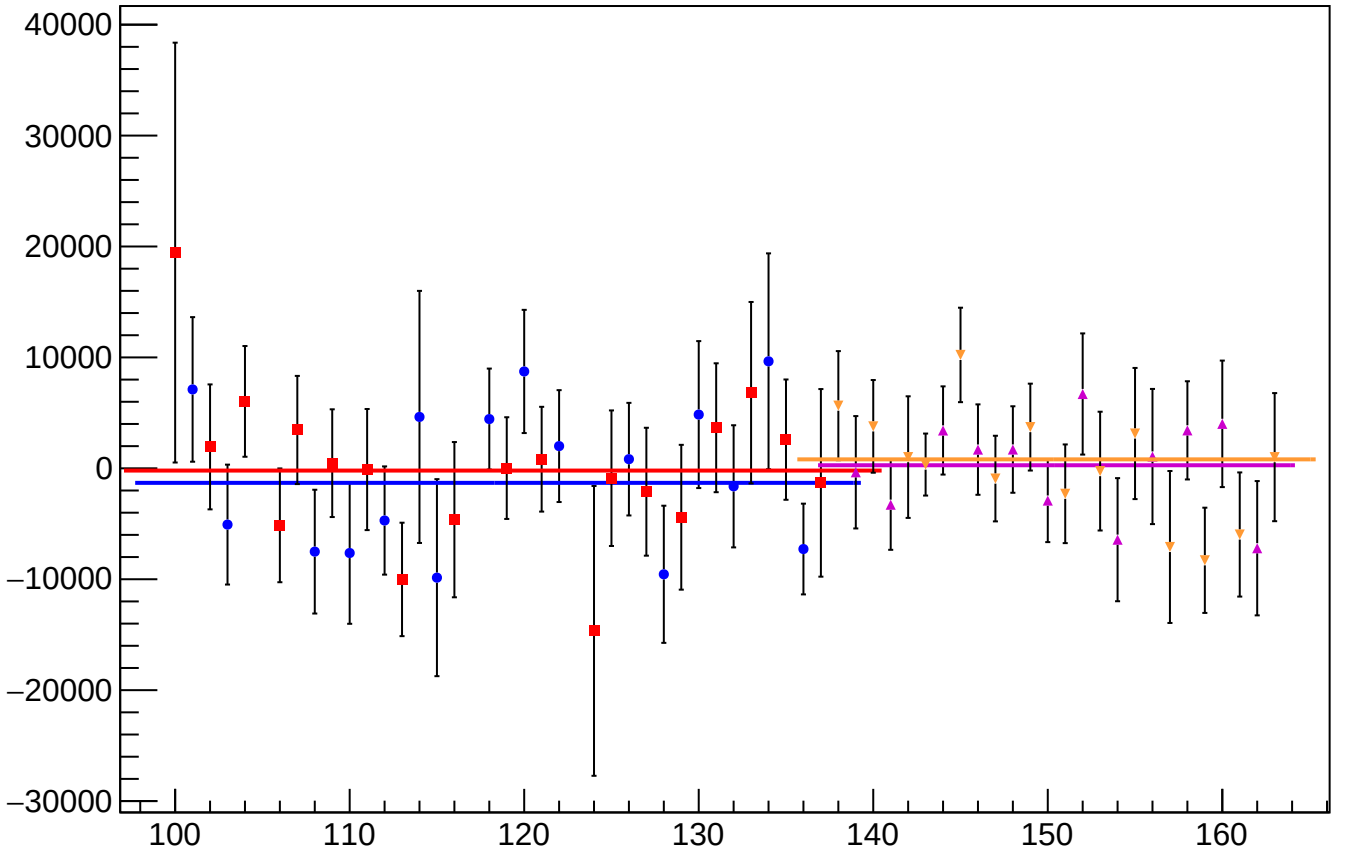
Left: 4049.998+/-0.635 χ^2/NDF: 2034946.2/25

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3881.772+/-0.669 χ^2/NDF:1277962.7/27

Out: 3536.215+/-0.601 χ^2/NDF:2457521.6/32

All: 3690.646+/-0.447 χ^2/NDF: 3883241.4/60



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 277.474+/-1334.091 χ^2/NDF:7.7/11

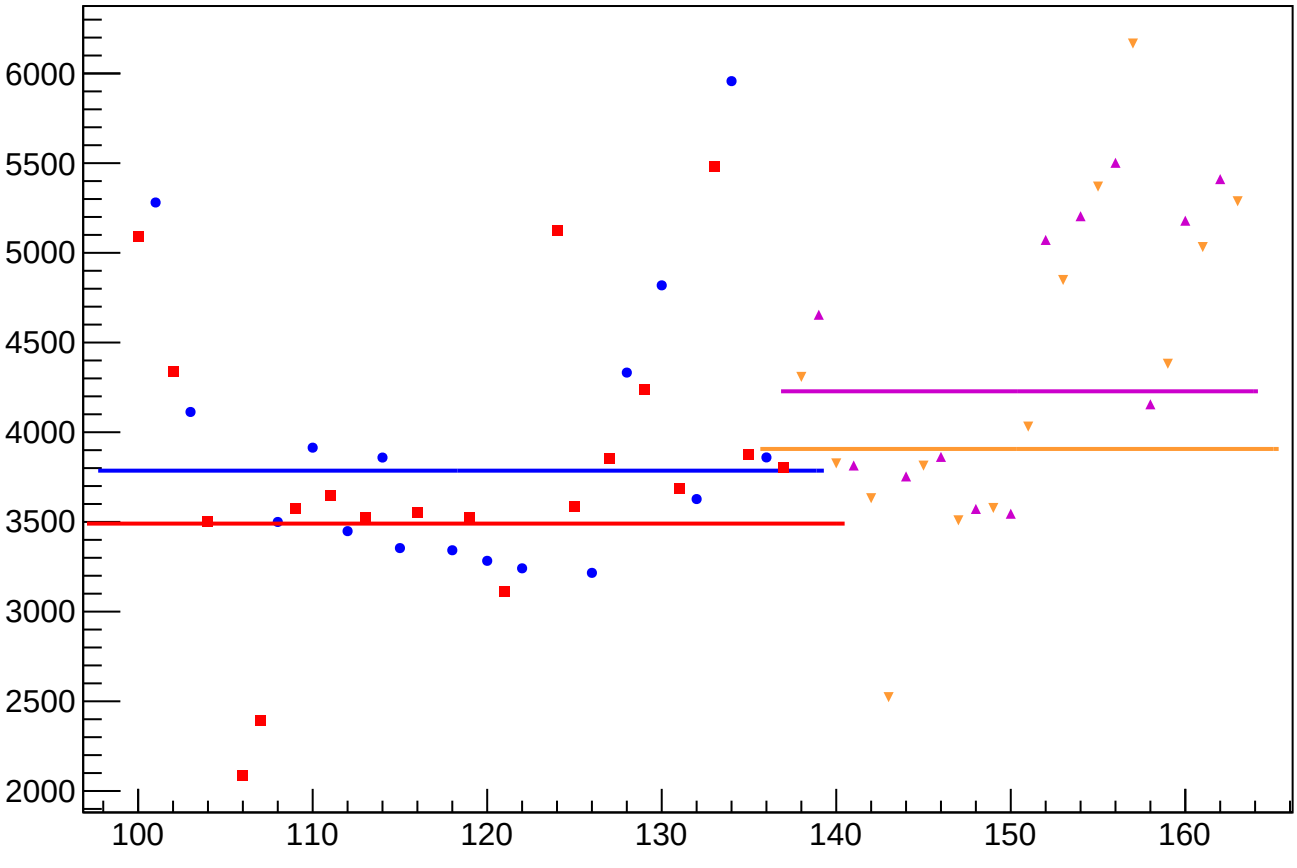
Left: 569.870+/-894.110 χ^2/NDF: 22.1/25

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -460.047+/-976.005 χ^2/NDF:25.9/27

Out: 355.424+/-894.703 χ^2/NDF:26.3/32

All: -16.938+/-659.523 χ^2/NDF: 52.6/60



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4228.099+/-0.943 χ^2/NDF:531883.9/11

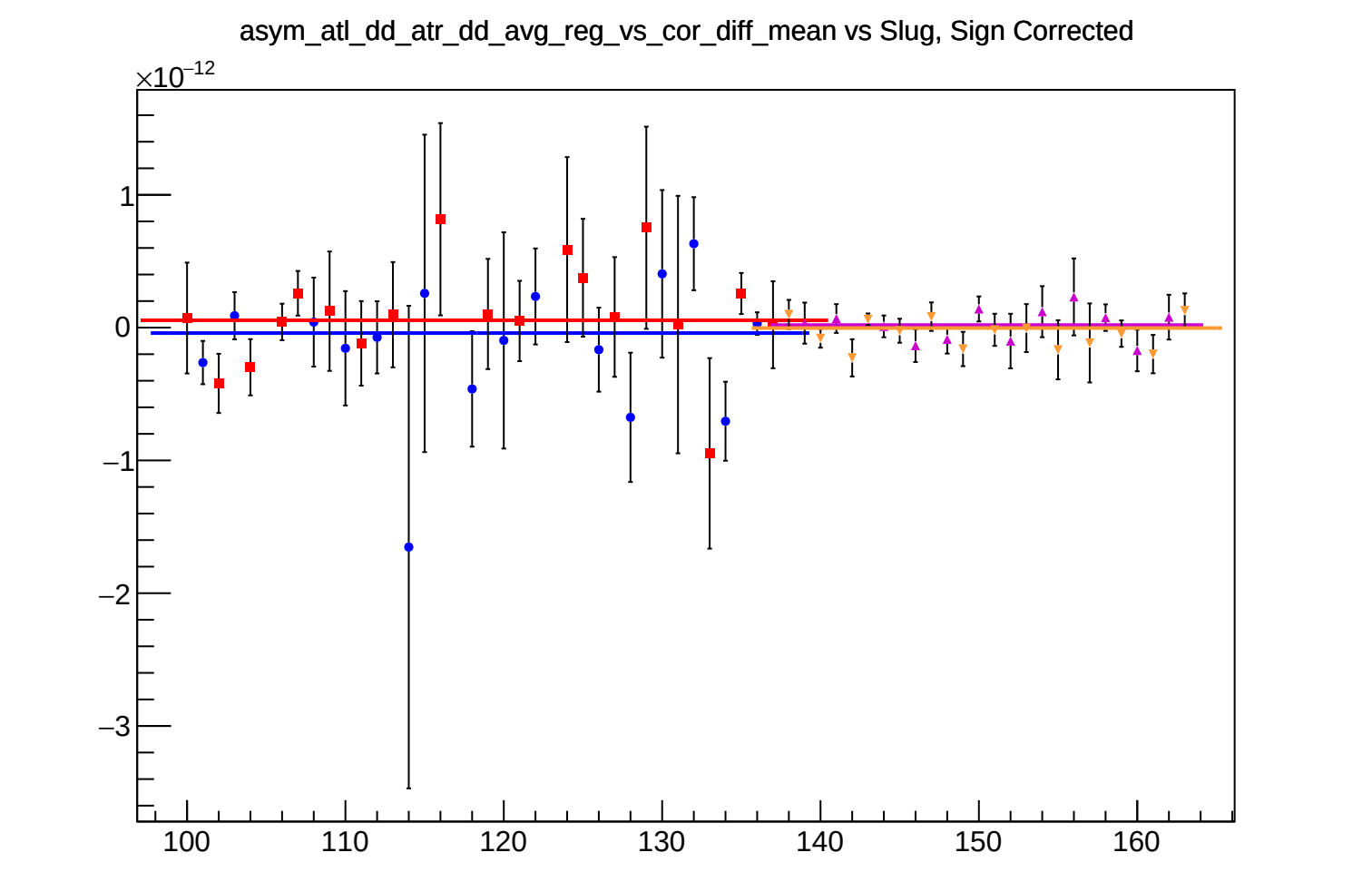
Left: 4051.114+/-0.632 χ^2/NDF: 1760162.9/25

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4022.514+/-0.690 χ^2/NDF:1017063.0/27

Out: 3717.331+/-0.629 χ^2/NDF:1859750.9/32

All: 3855.746+/-0.465 χ^2/NDF: 2983670.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/11

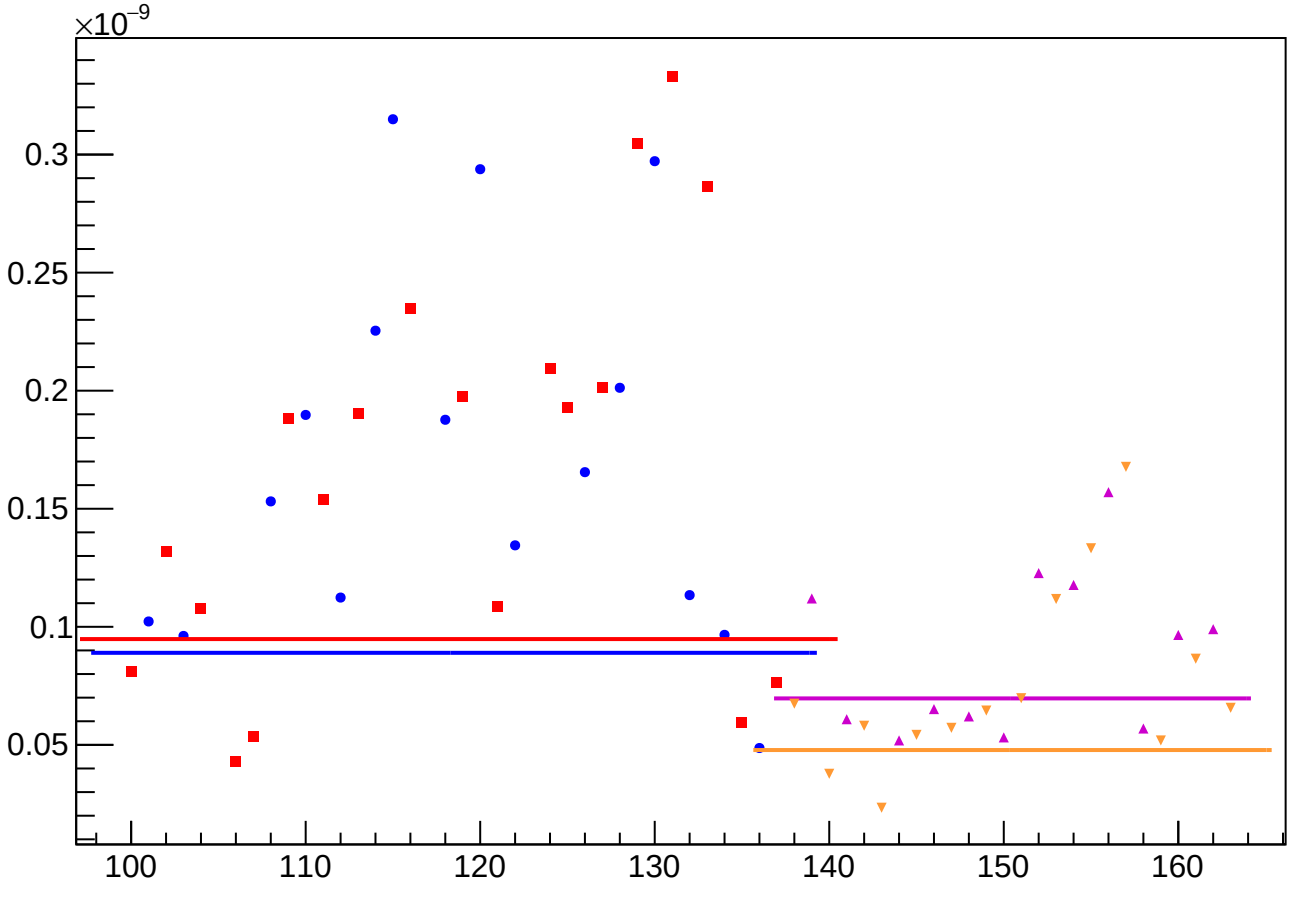
Left: 0.000+/-0.000 χ^2/NDF: 20.6/25

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.0/27

Out: 0.000+/-0.000 χ^2/NDF:29.4/32

All: 0.000+/-0.000 χ^2/NDF: 54.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922975.4/11

Left: 0.000+/-0.000 χ^2/NDF: 3322891.5/25

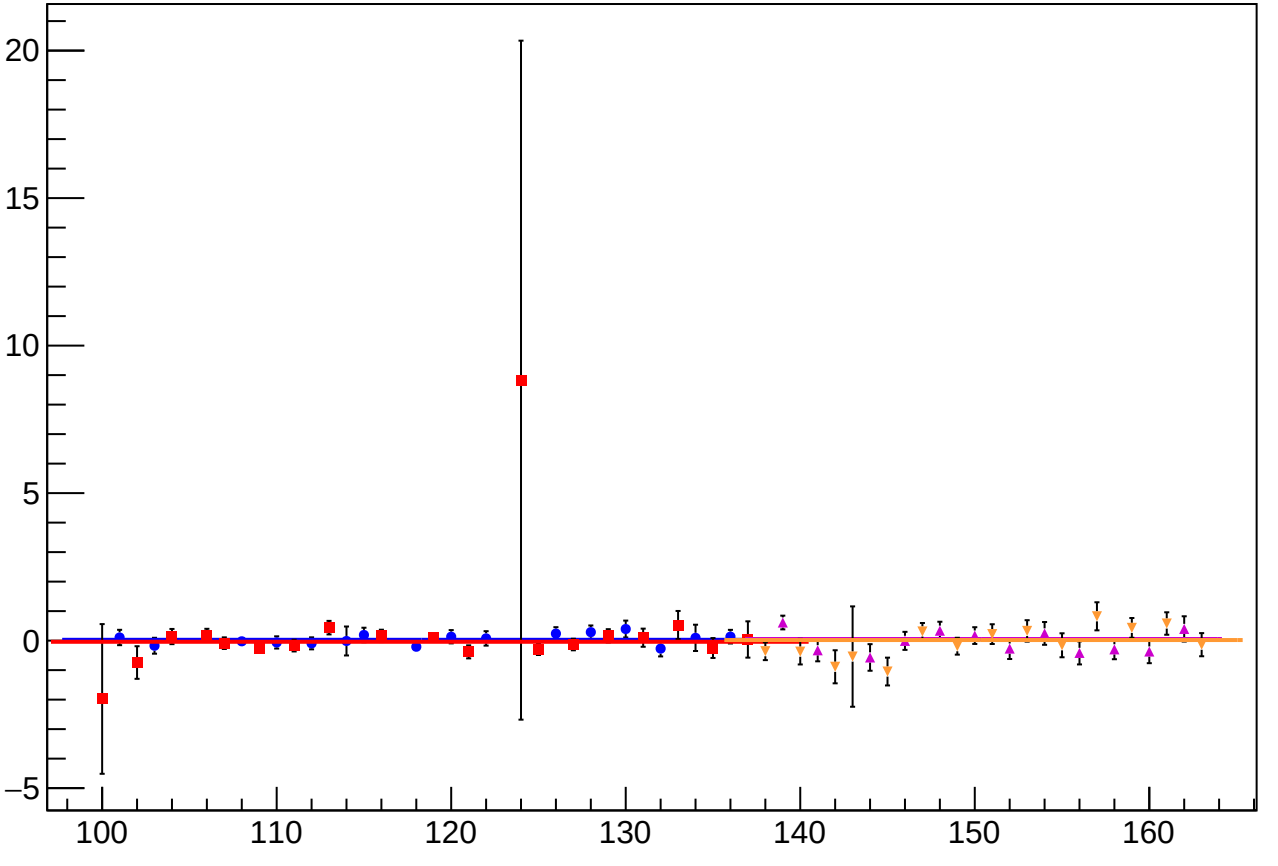
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2540264.1/27

Out: 0.000+/-0.000 χ^2/NDF:4573405.5/32

All: 0.000+/-0.000 χ^2/NDF: 7655894.5/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

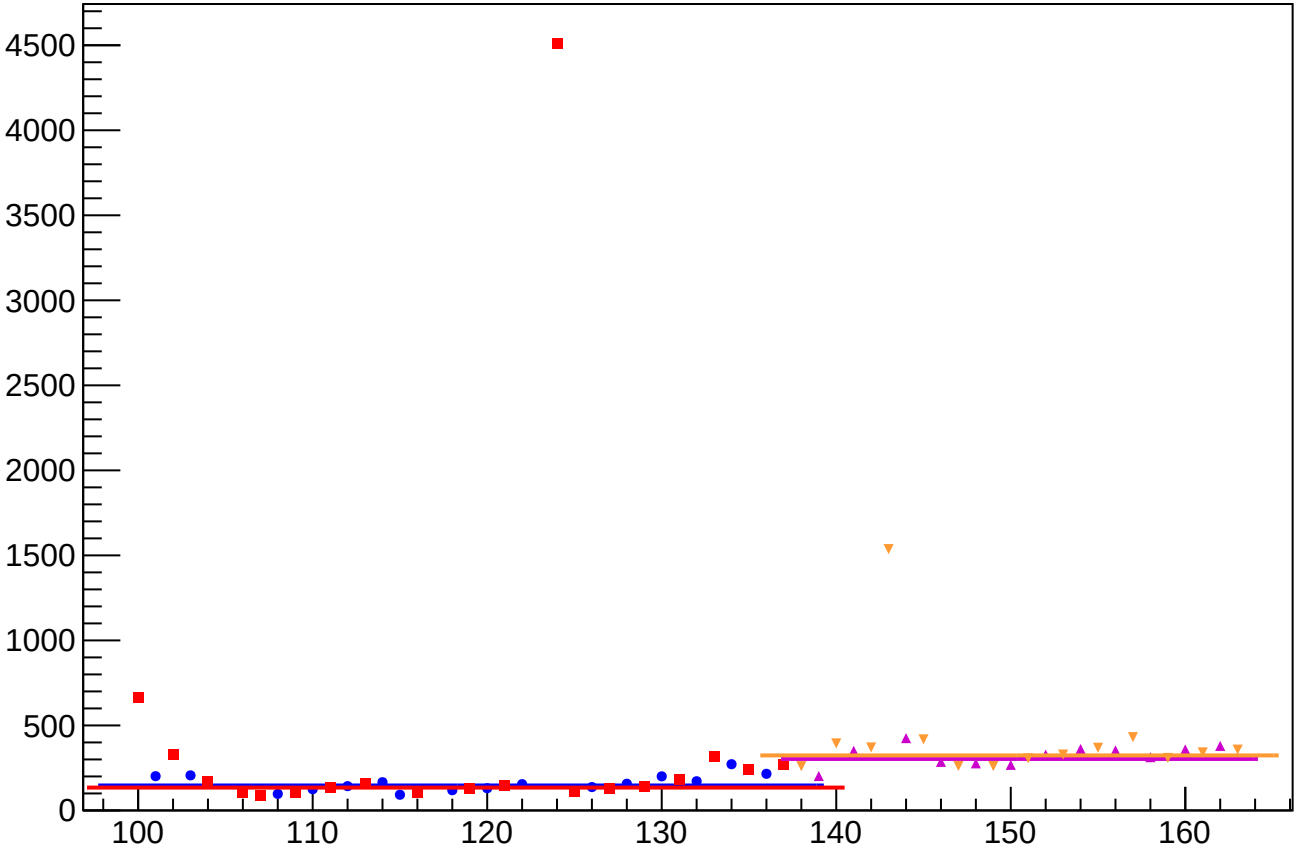
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

Left: 312.861+/-0.049 χ^2/NDF: 2440747.0/25

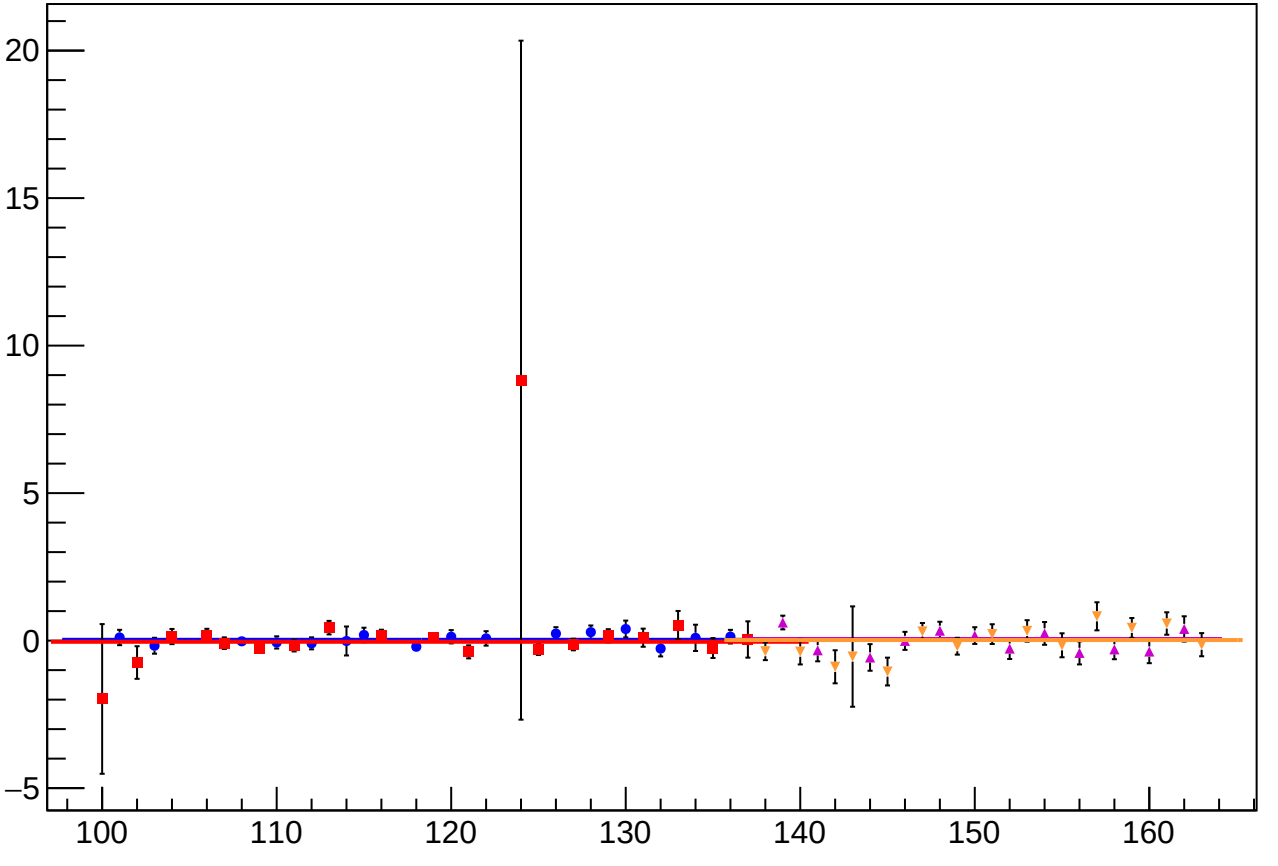
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 187.674+/-0.035 χ^2/NDF:5627986.3/27

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

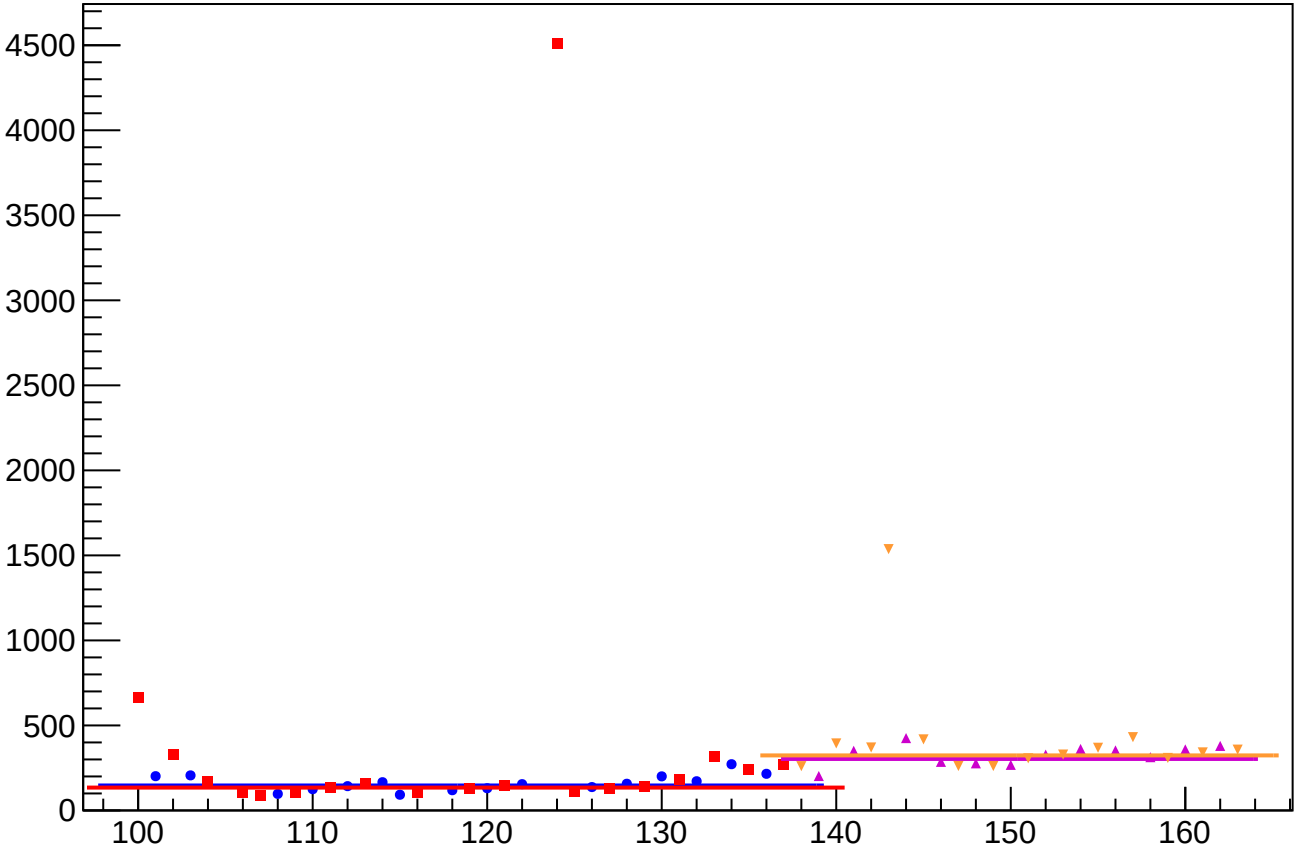
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

Left: 312.861+/-0.049 χ^2/NDF: 2440747.0/25

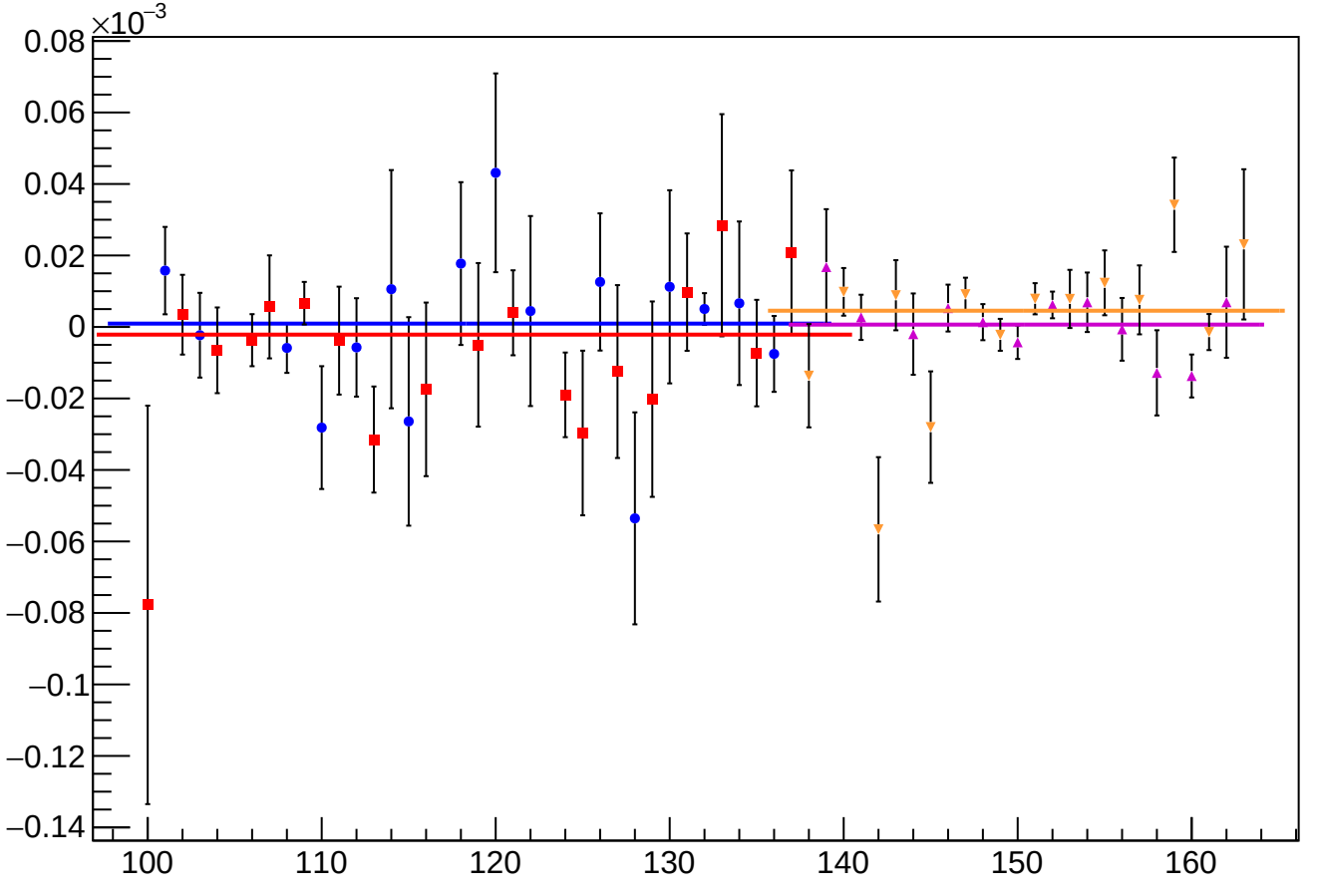
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 187.674+/-0.035 χ^2/NDF:5627986.3/27

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/11

Left: 0.000+/-0.000 χ^2/NDF: 42.8/25

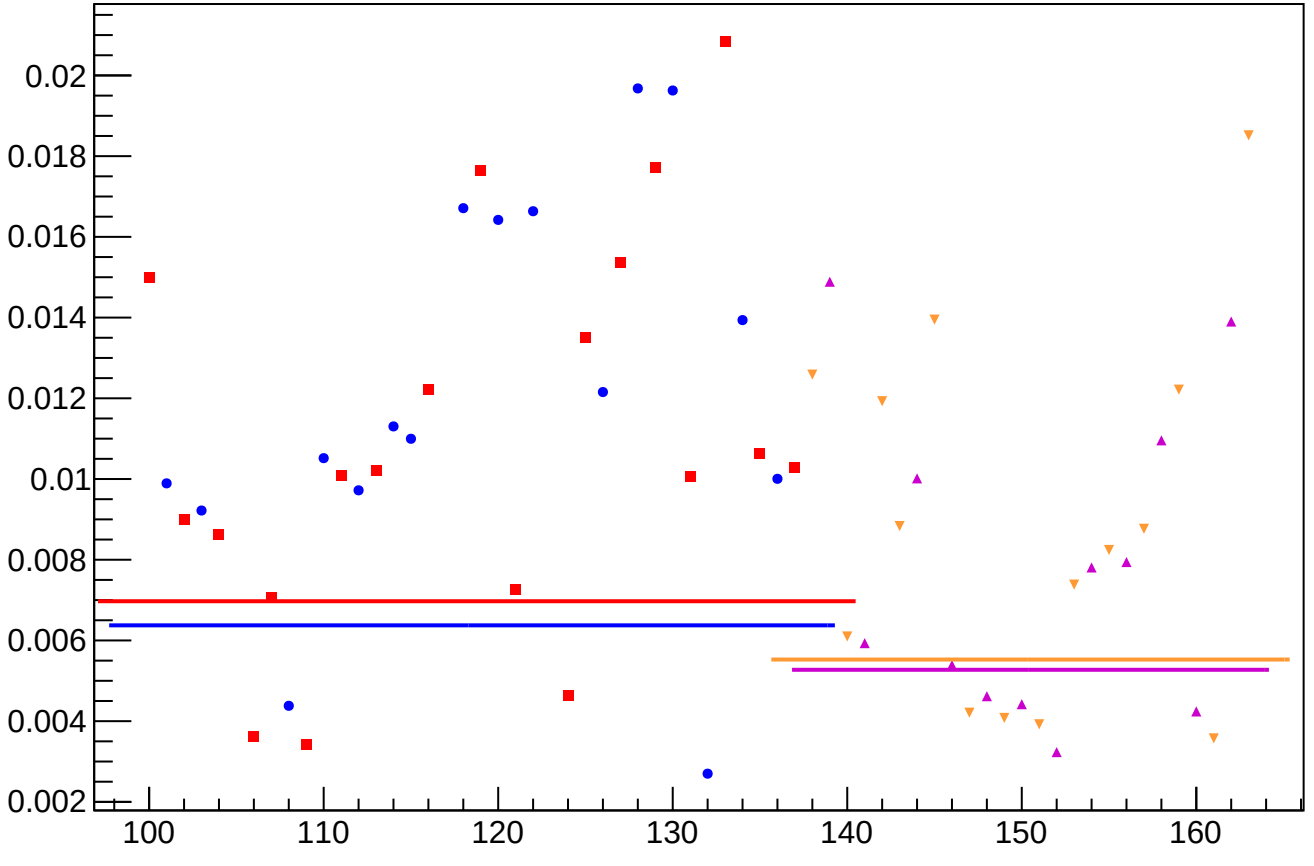
Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.6/27

Out: 0.000+/-0.000 χ^2/NDF:47.6/32

All: 0.000+/-0.000 χ^2/NDF: 75.9/60

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3274540.6/11

Left: 0.005+/-0.000 χ^2/NDF: 7524564.5/25

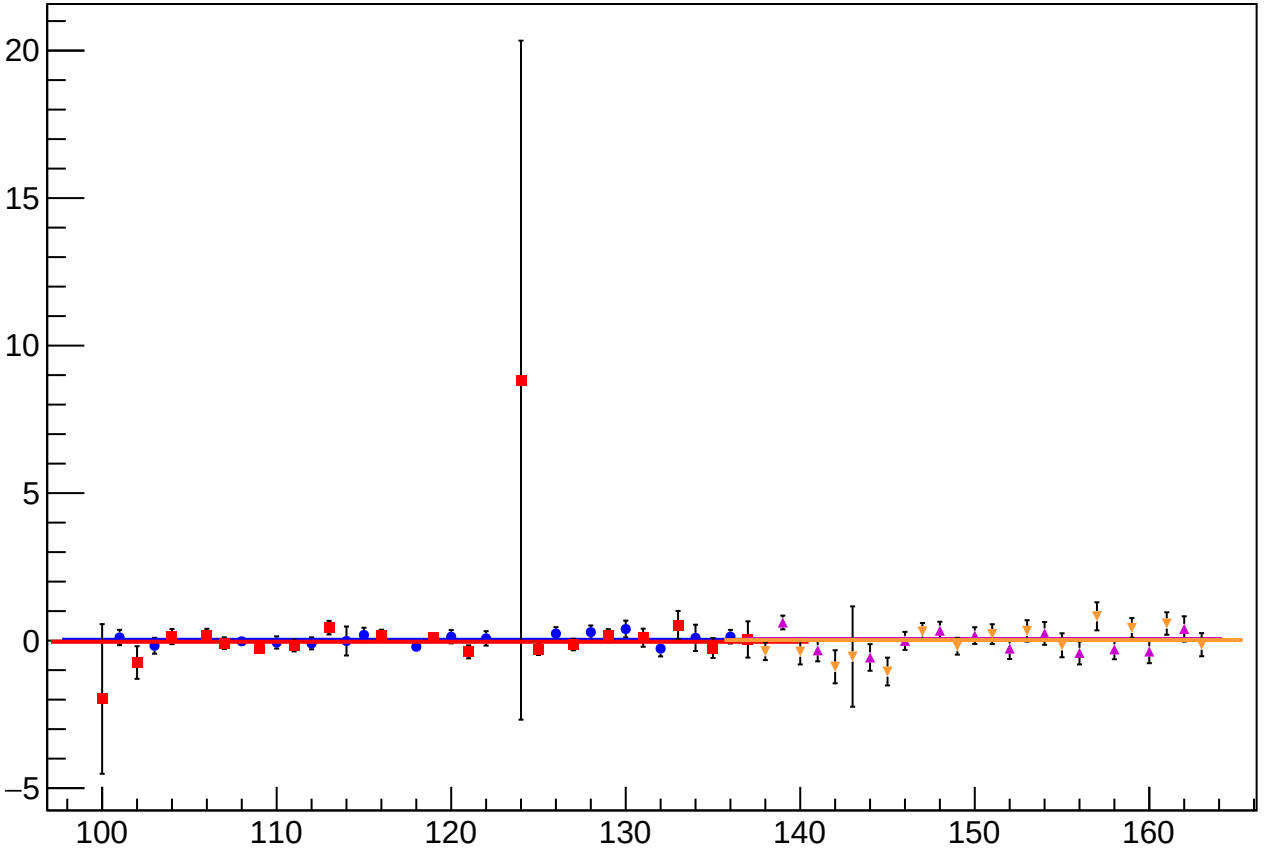
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8114734.5/27

Out: 0.006+/-0.000 χ^2/NDF:7971164.2/32

All: 0.006+/-0.000 χ^2/NDF: 16131856.2/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

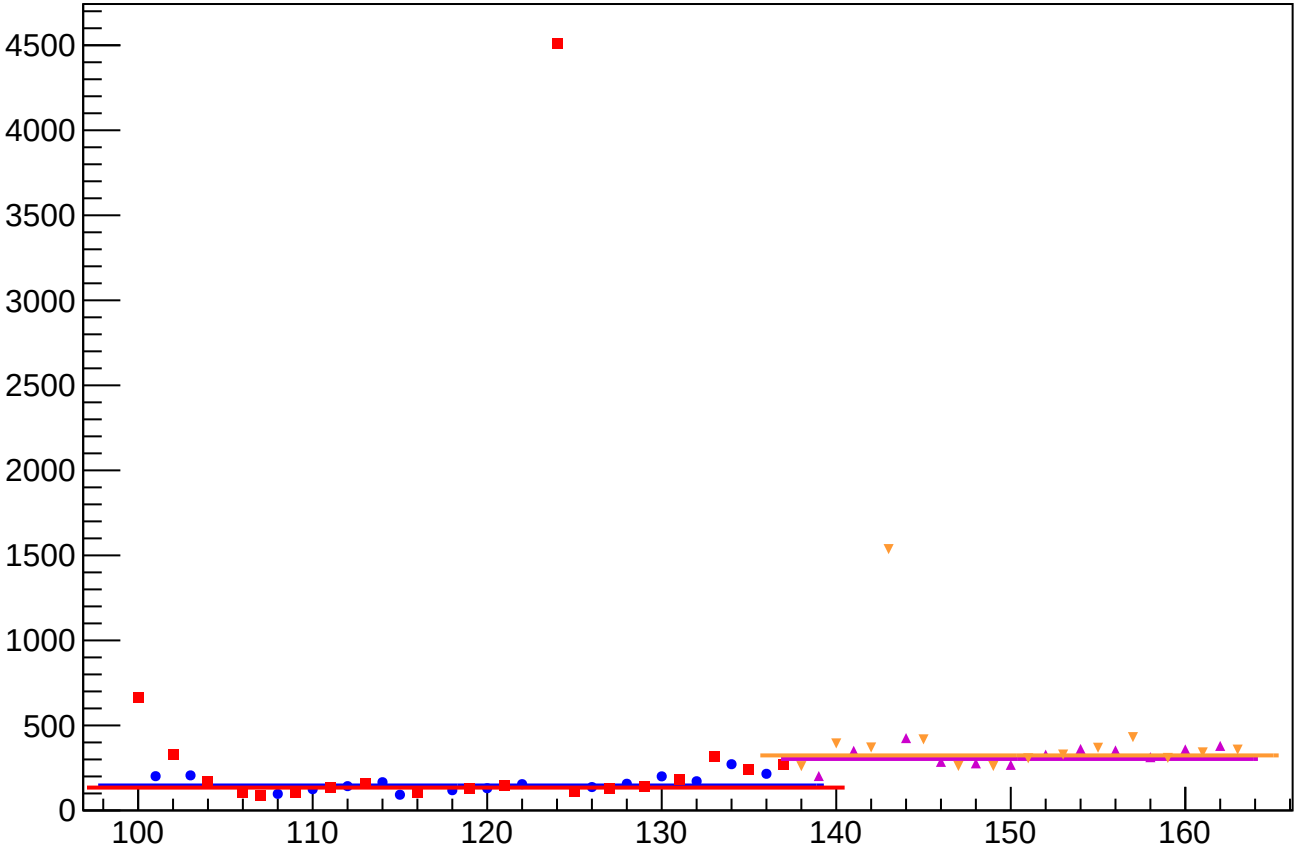
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

Left: 312.865+/-0.049 χ^2/NDF: 2440740.6/25

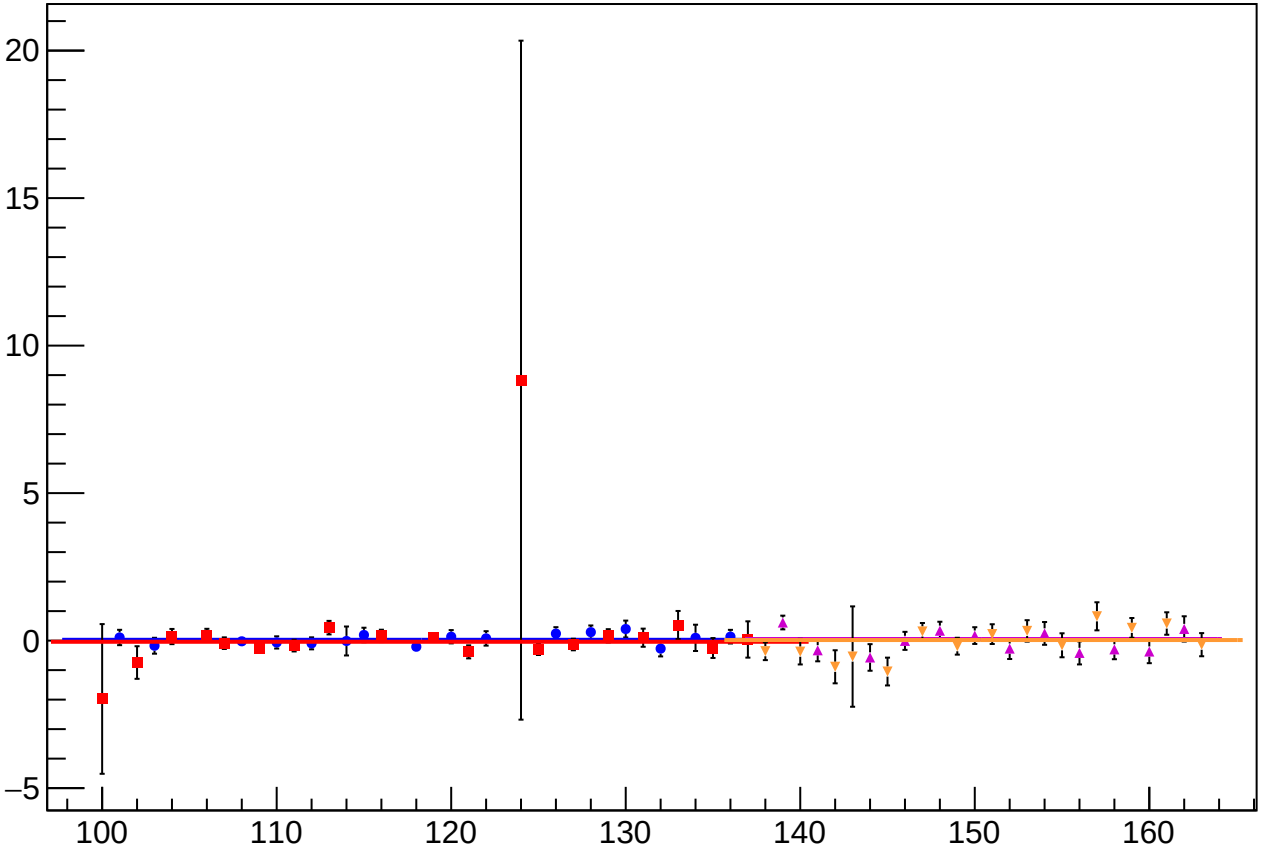
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 187.674+/-0.035 χ^2/NDF:5628053.4/27

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

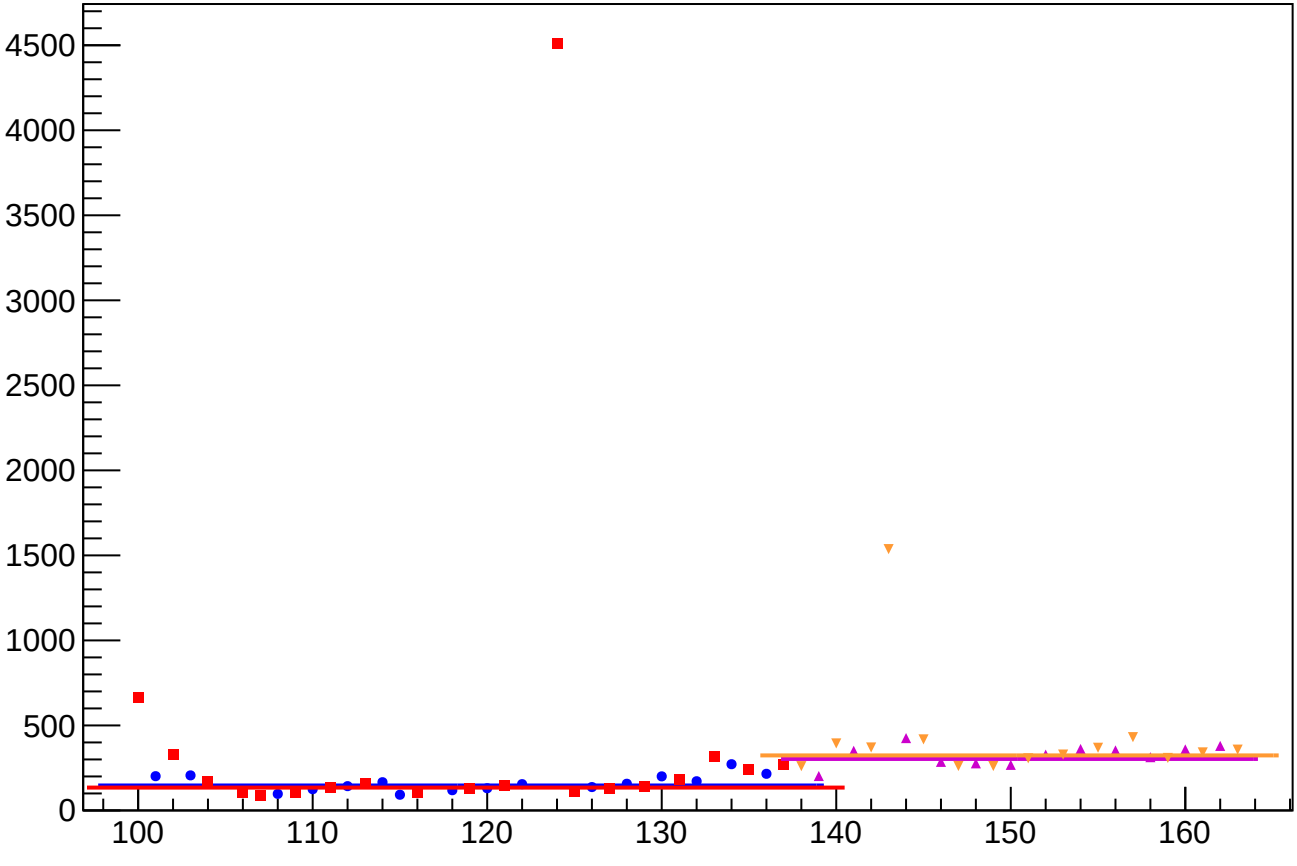
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

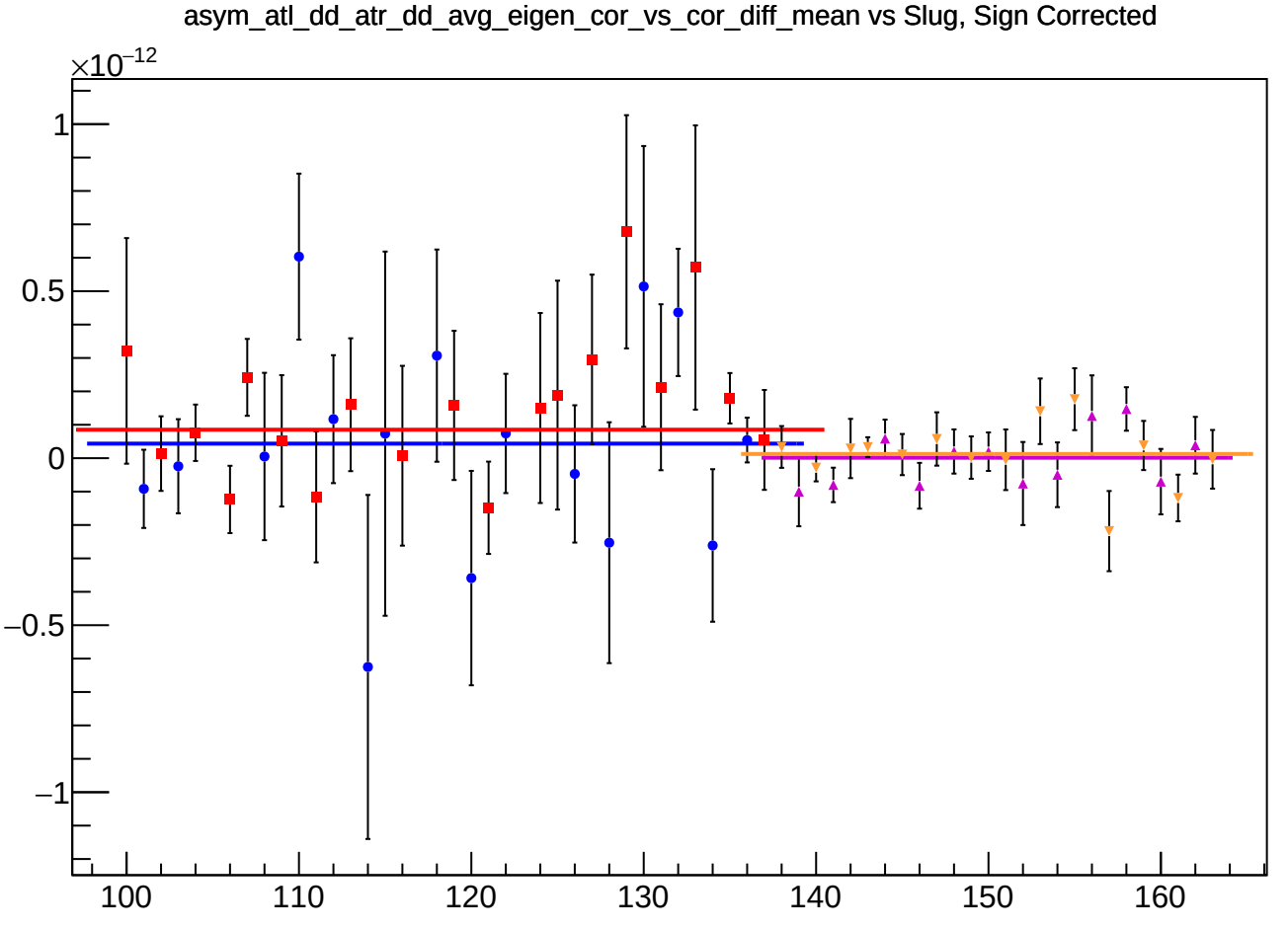
Left: 312.865+/-0.049 χ^2/NDF: 2440740.6/25

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 187.674+/-0.035 χ^2/NDF:5628053.4/27

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/11

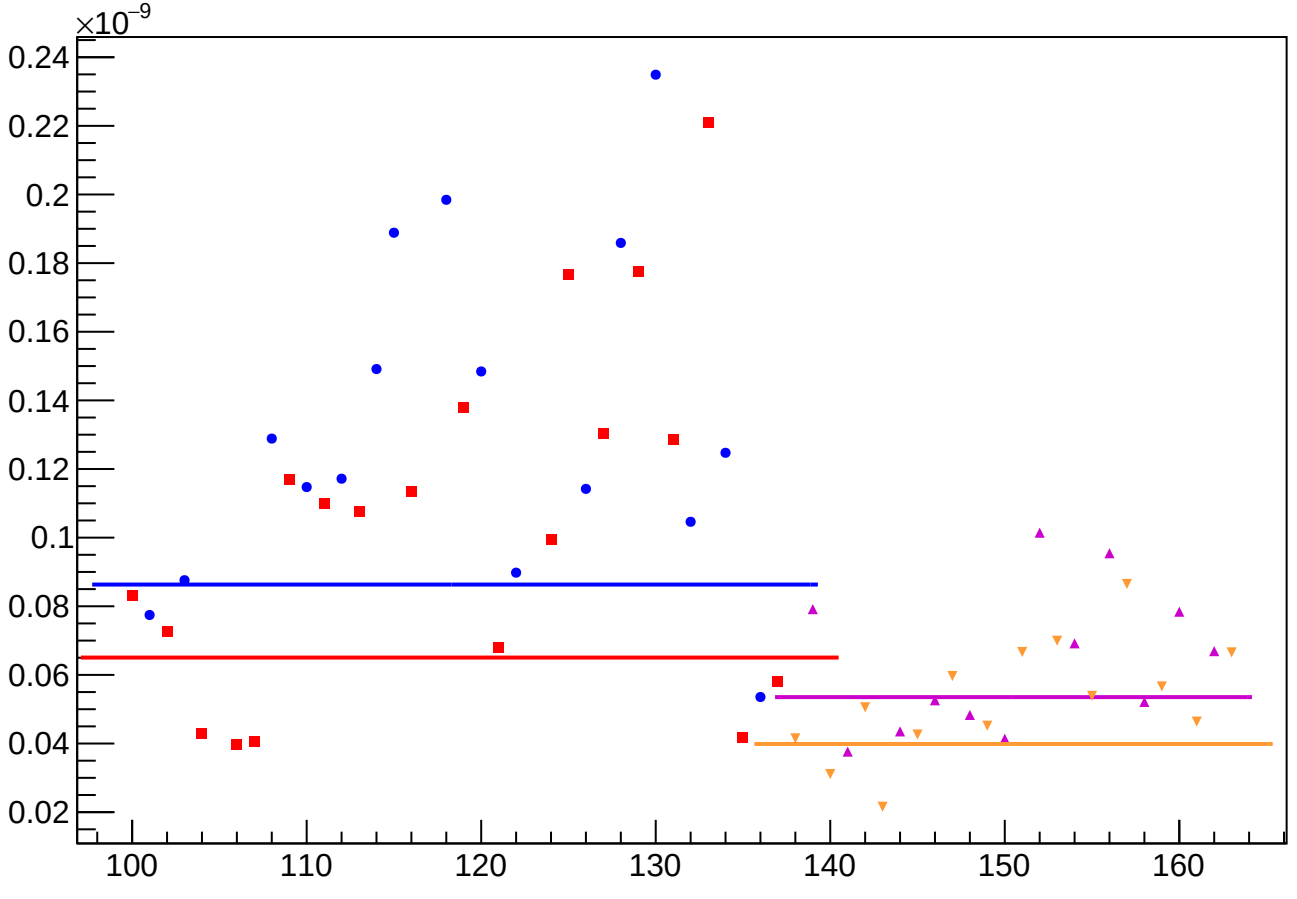
Left: 0.000+/-0.000 χ^2/NDF: 28.1/25

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 70.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/11

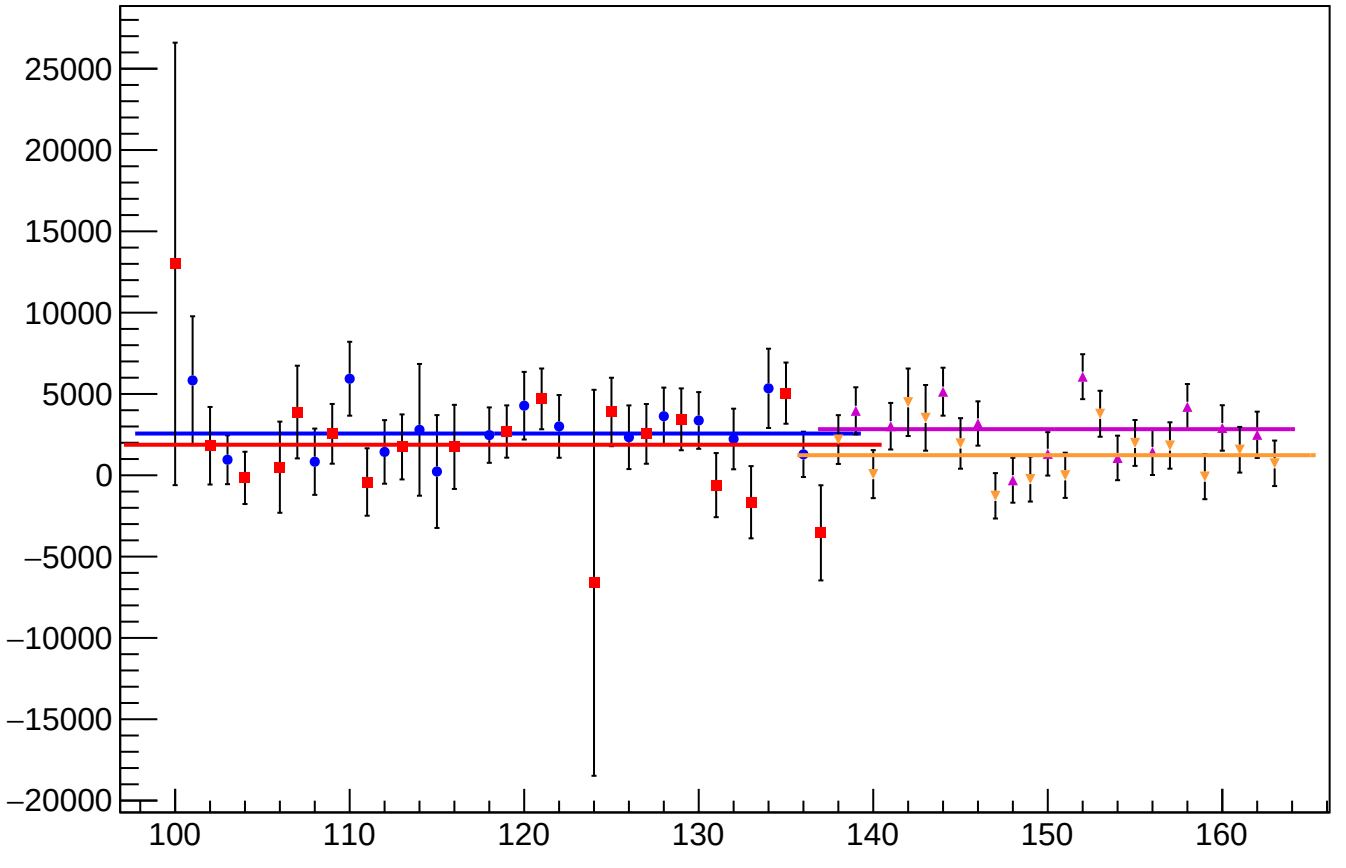
Left: 0.000+/-0.000 χ^2/NDF: 3804457.2/25

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3755725.2/27

Out: 0.000+/-0.000 χ^2/NDF:5079412.5/32

All: 0.000+/-0.000 χ^2/NDF: 9655104.2/60



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.851+/-395.907 χ^2/NDF:14.9/13

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2835.665+/-404.343 χ^2/NDF:18.7/11

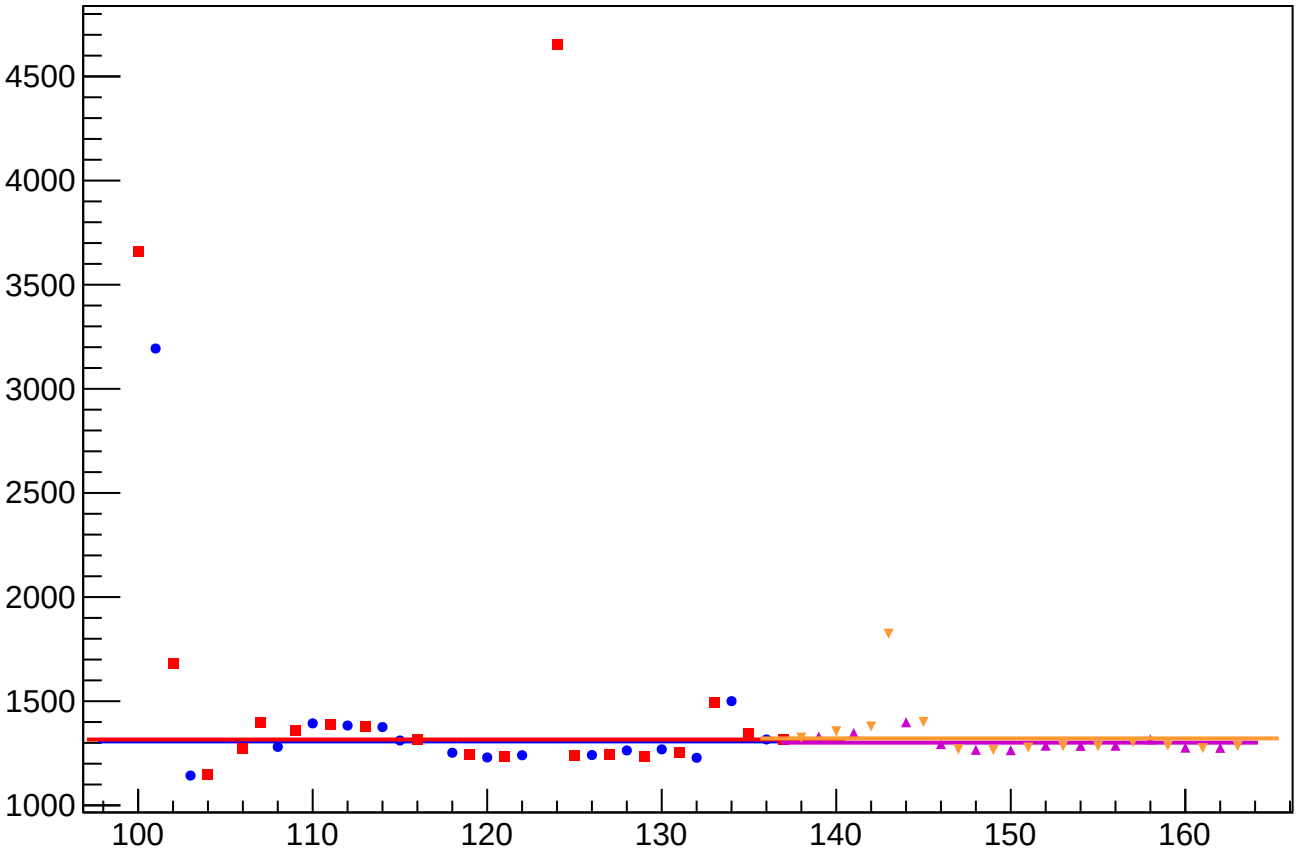
Left: 2018.895+/-282.884 χ^2/NDF: 41.6/25

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2728.421+/-313.240 χ^2/NDF:27.9/27

Out: 1486.559+/-309.111 χ^2/NDF:35.5/32

All: 2099.252+/-220.020 χ^2/NDF: 71.4/60



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1301.070+/-0.286 χ^2/NDF:16598.2/11

Left: 1311.458+/-0.200 χ^2/NDF: 167061.5/25

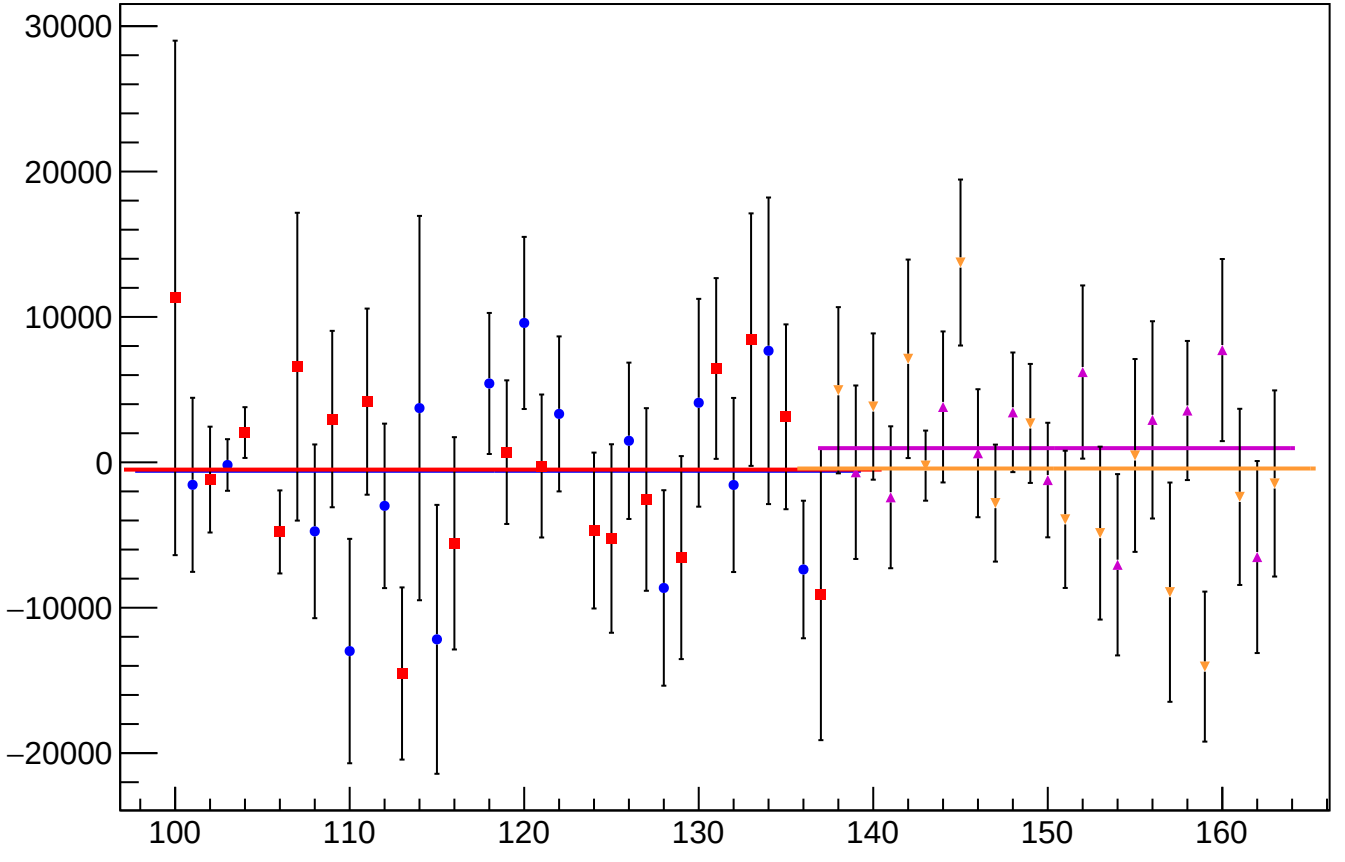
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1303.469+/-0.221 χ^2/NDF:533023.2/27

Out: 1319.295+/-0.218 χ^2/NDF:474444.6/32

All: 1311.495+/-0.155 χ^2/NDF: 1010057.0/60

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: -424.907+/-1271.494 χ^2/NDF:19.4/13

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 975.014+/-1490.650 χ^2/NDF:6.8/11

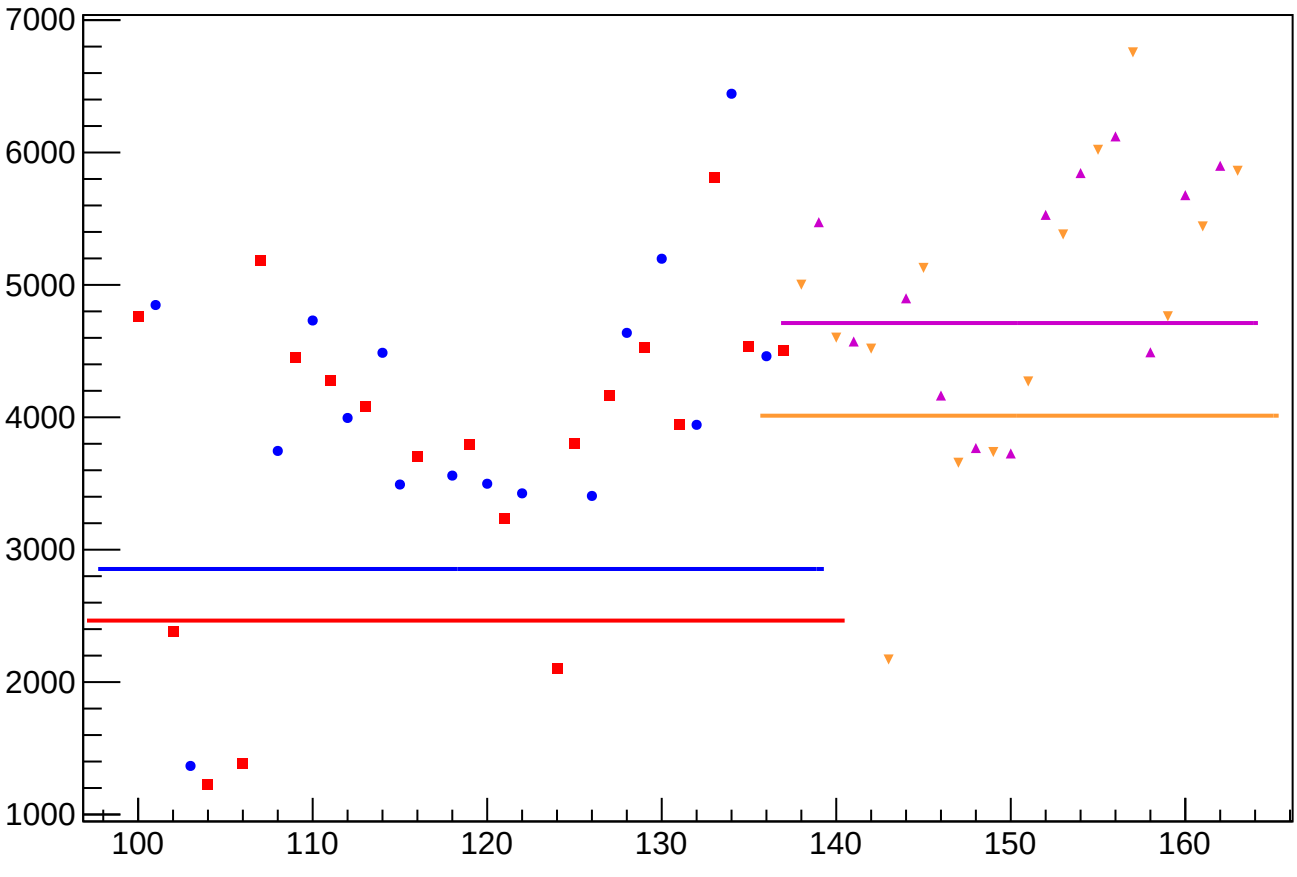
Left: 164.674+/-967.377 χ^2/NDF: 26.7/25

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 25.956+/-931.364 χ^2/NDF:22.2/27

Out: -469.425+/-812.107 χ^2/NDF:37.1/32

All: -255.462+/-612.096 χ^2/NDF: 59.5/60



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4012.175+/-0.899 χ^2/NDF:2247461.9/13

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4711.980+/-1.054 χ^2/NDF:604698.8/11

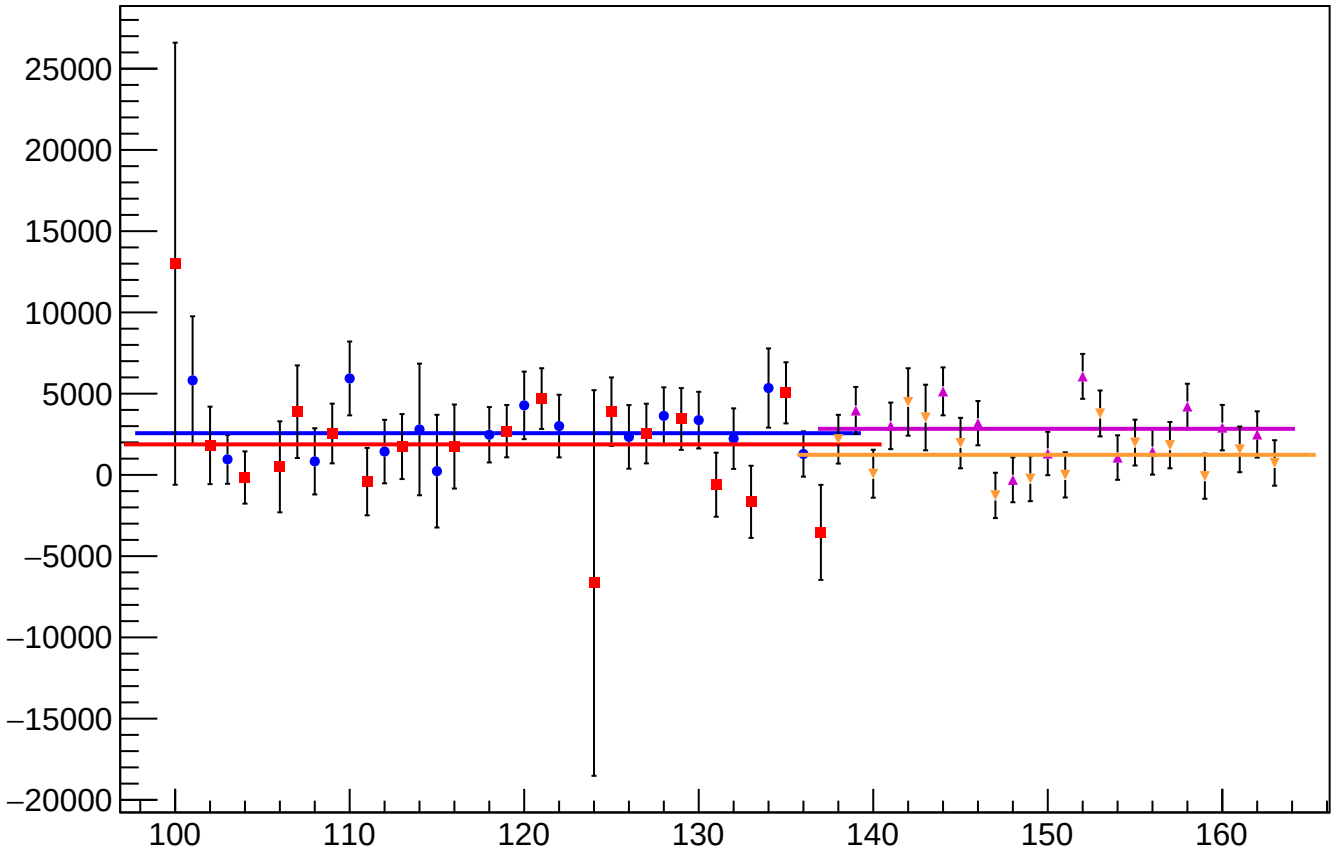
Left: 4306.900+/-0.684 χ^2/NDF: 3107310.9/25

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3579.501+/-0.659 χ^2/NDF:5403082.0/27

Out: 3095.916+/-0.574 χ^2/NDF:7357584.9/32

All: 3304.784+/-0.433 χ^2/NDF: 13066968.3/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2835.754+/-404.343 χ^2/NDF:18.7/11

Left: 2018.904+/-282.884 χ^2/NDF: 41.6/25

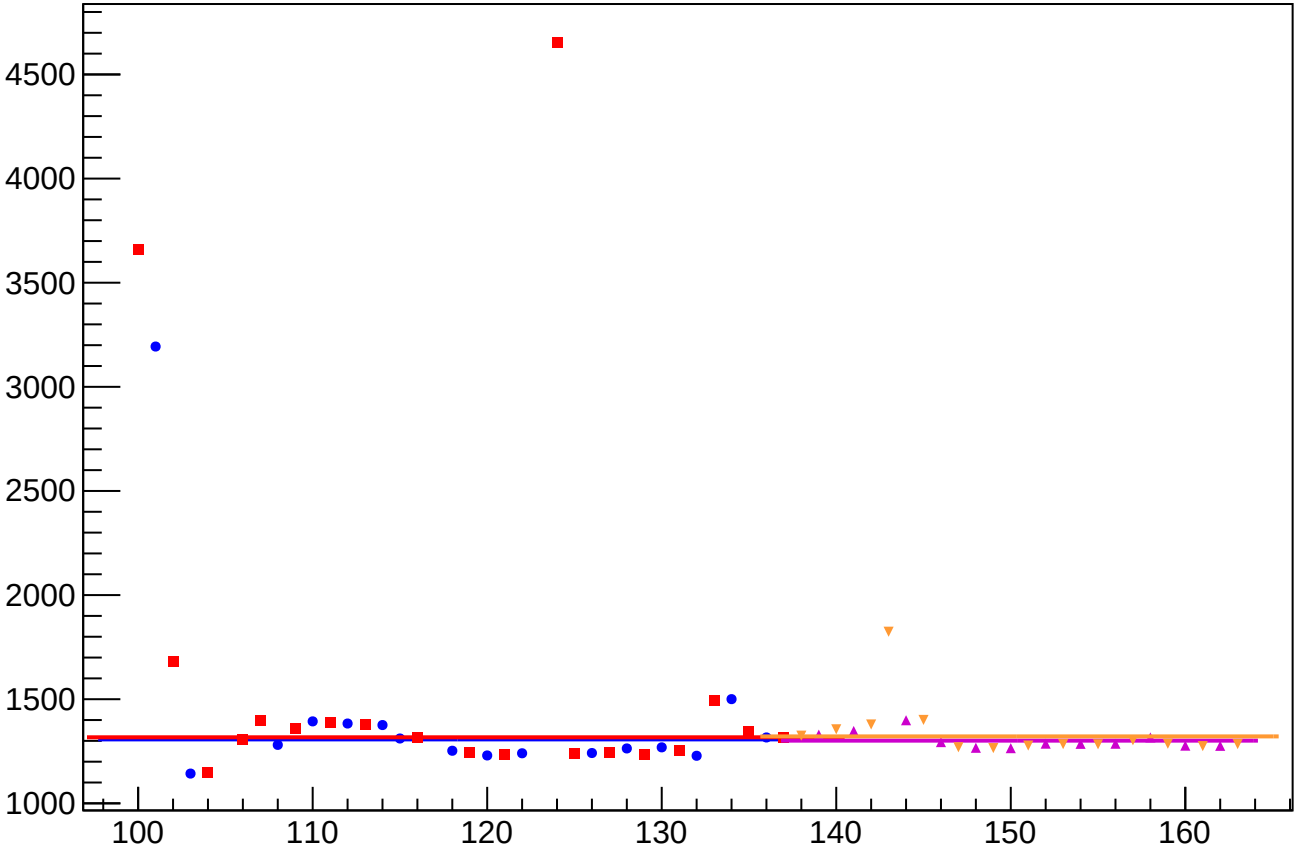
Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2728.363+/-313.240 χ^2/NDF:27.9/27

Out: 1486.419+/-309.111 χ^2/NDF:35.5/32

All: 2099.152+/-220.020 χ^2/NDF: 71.4/60

cor_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1301.070+/-0.286 χ^2/NDF:16598.2/11

Left: 1311.458+/-0.200 χ^2/NDF: 167061.5/25

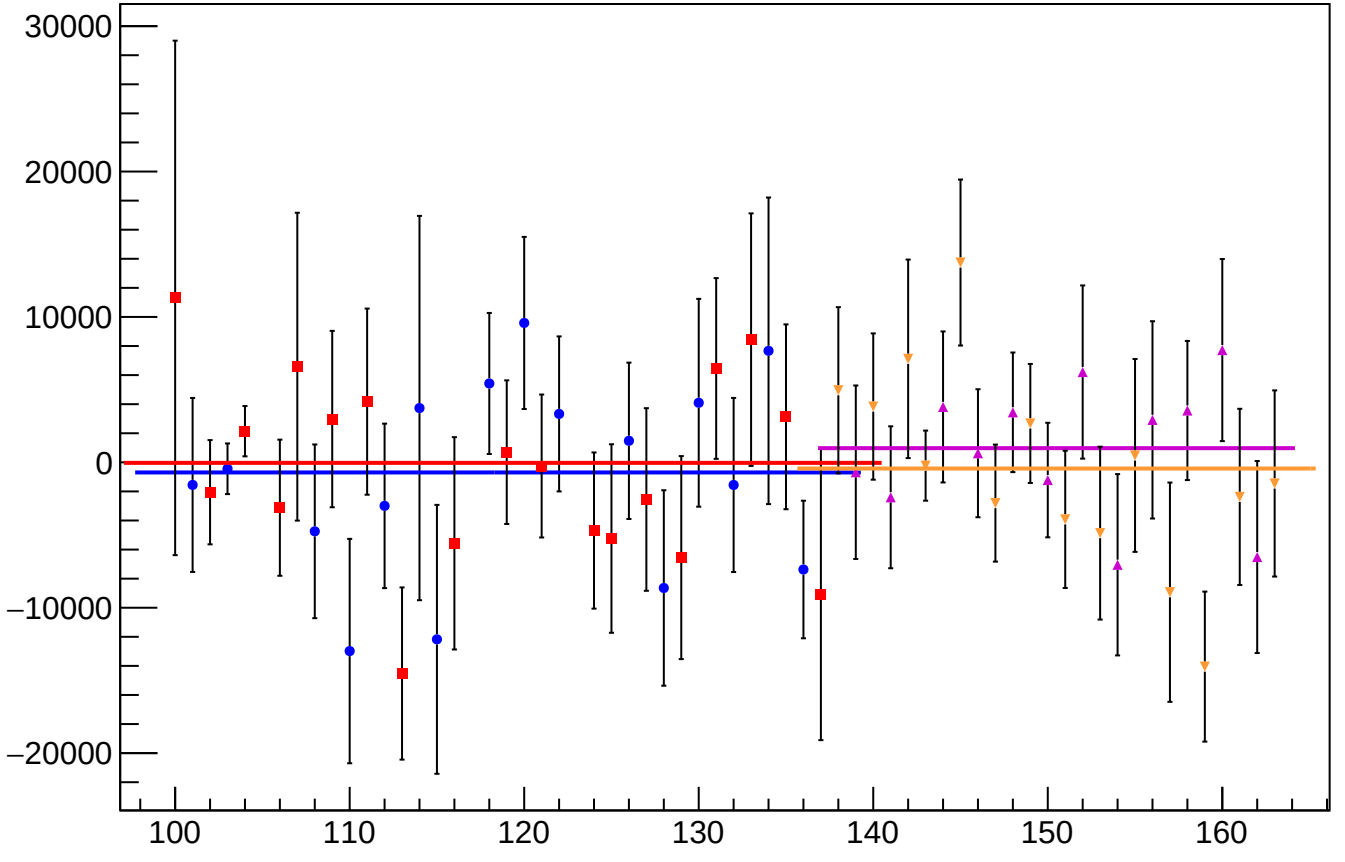
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1303.469+/-0.221 χ^2/NDF:533024.7/27

Out: 1319.738+/-0.218 χ^2/NDF:473896.5/32

All: 1311.718+/-0.156 χ^2/NDF: 1009656.8/60

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: -424.922+/-1271.489 χ^2/NDF:19.4/13

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 975.096+/-1490.650 χ^2/NDF:6.8/11

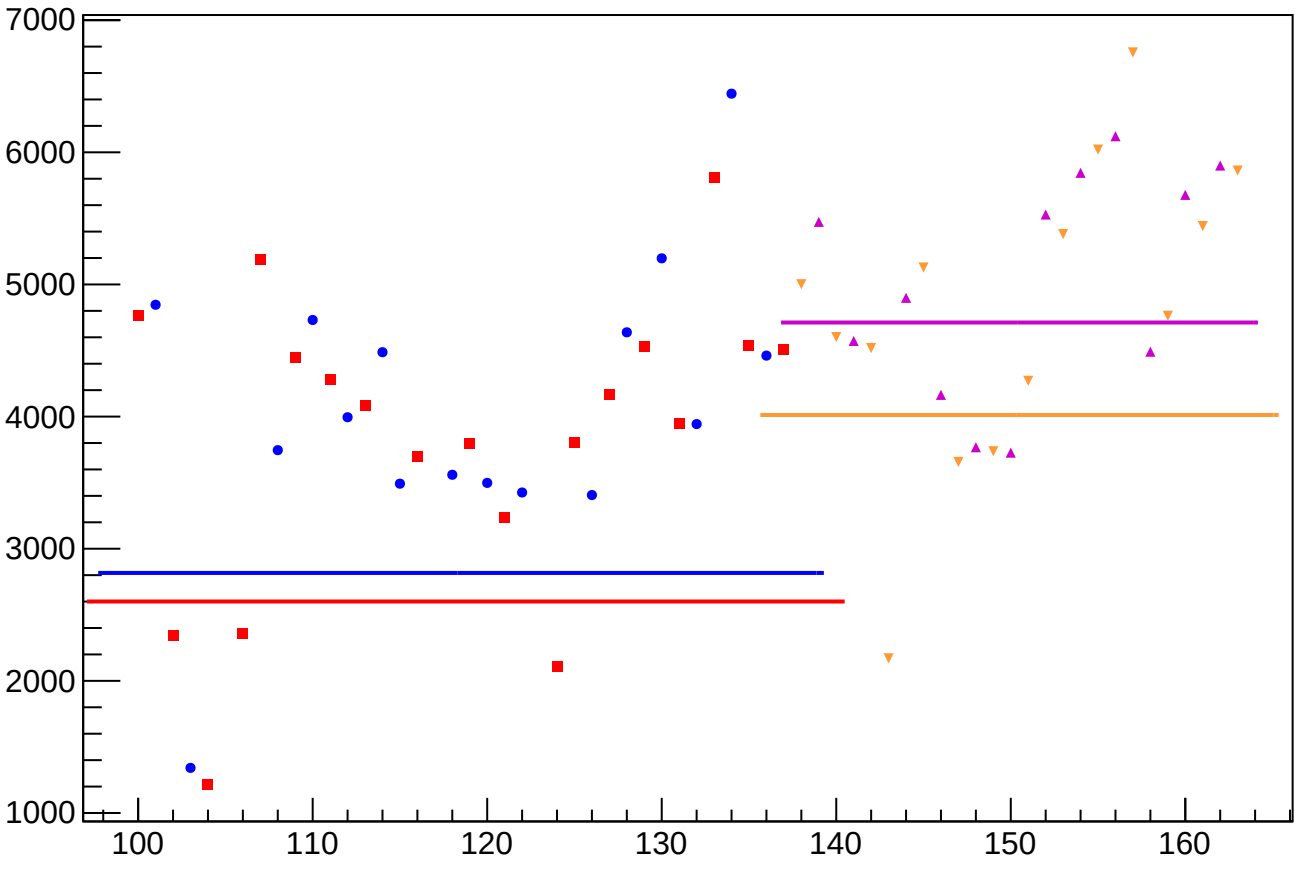
Left: 164.698+/-967.375 χ^2/NDF: 26.7/25

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -50.147+/-926.375 χ^2/NDF:22.2/27

Out: -202.238+/-831.115 χ^2/NDF:35.4/32

All: -134.412+/-618.633 χ^2/NDF: 57.7/60



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4711.979+/-1.054 χ^2/NDF:604704.6/11

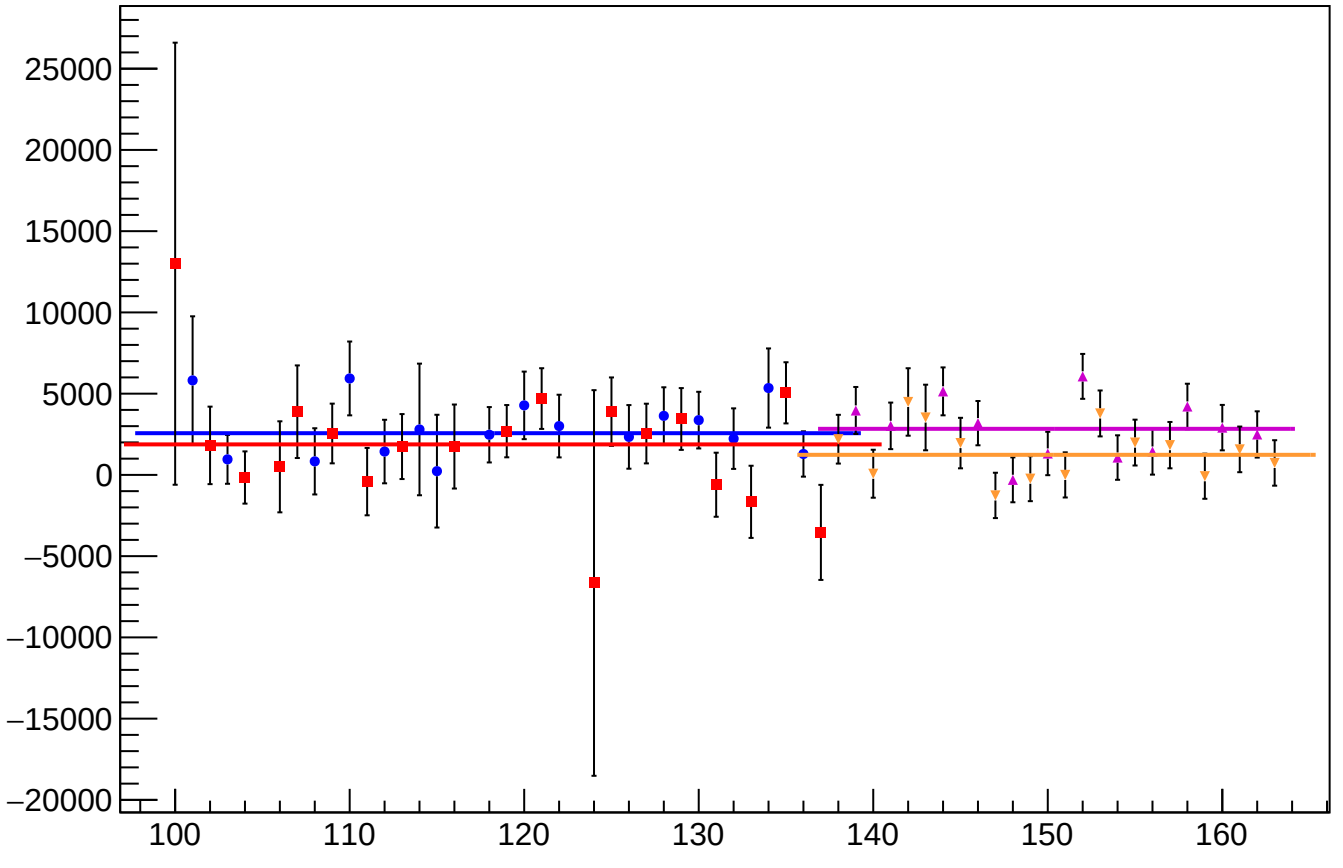
Left: 4306.885+/-0.684 χ^2/NDF: 3107406.1/25

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3548.725+/-0.655 χ^2/NDF:5596573.6/27

Out: 3203.663+/-0.588 χ^2/NDF:6740191.1/32

All: 3357.546+/-0.437 χ^2/NDF: 12490507.2/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1235.785+/-395.907 χ^2/NDF:14.9/13

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2835.754+/-404.343 χ^2/NDF:18.7/11

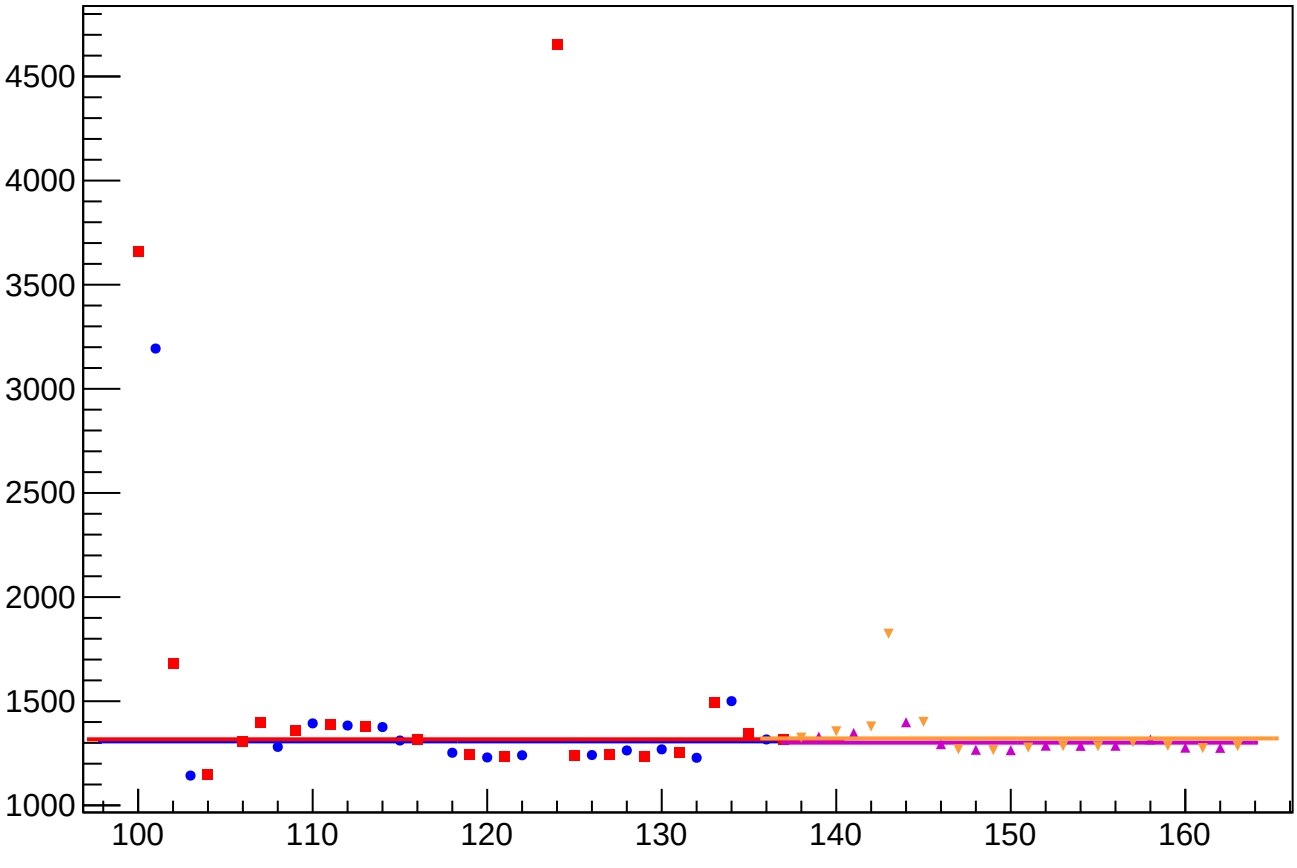
Left: 2018.904+/-282.884 χ^2/NDF: 41.6/25

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2728.363+/-313.240 χ^2/NDF:27.9/27

Out: 1486.419+/-309.111 χ^2/NDF:35.5/32

All: 2099.152+/-220.020 χ^2/NDF: 71.4/60



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1321.417+/-0.280 χ^2/NDF:147877.9/13

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1301.070+/-0.286 χ^2/NDF:16598.2/11

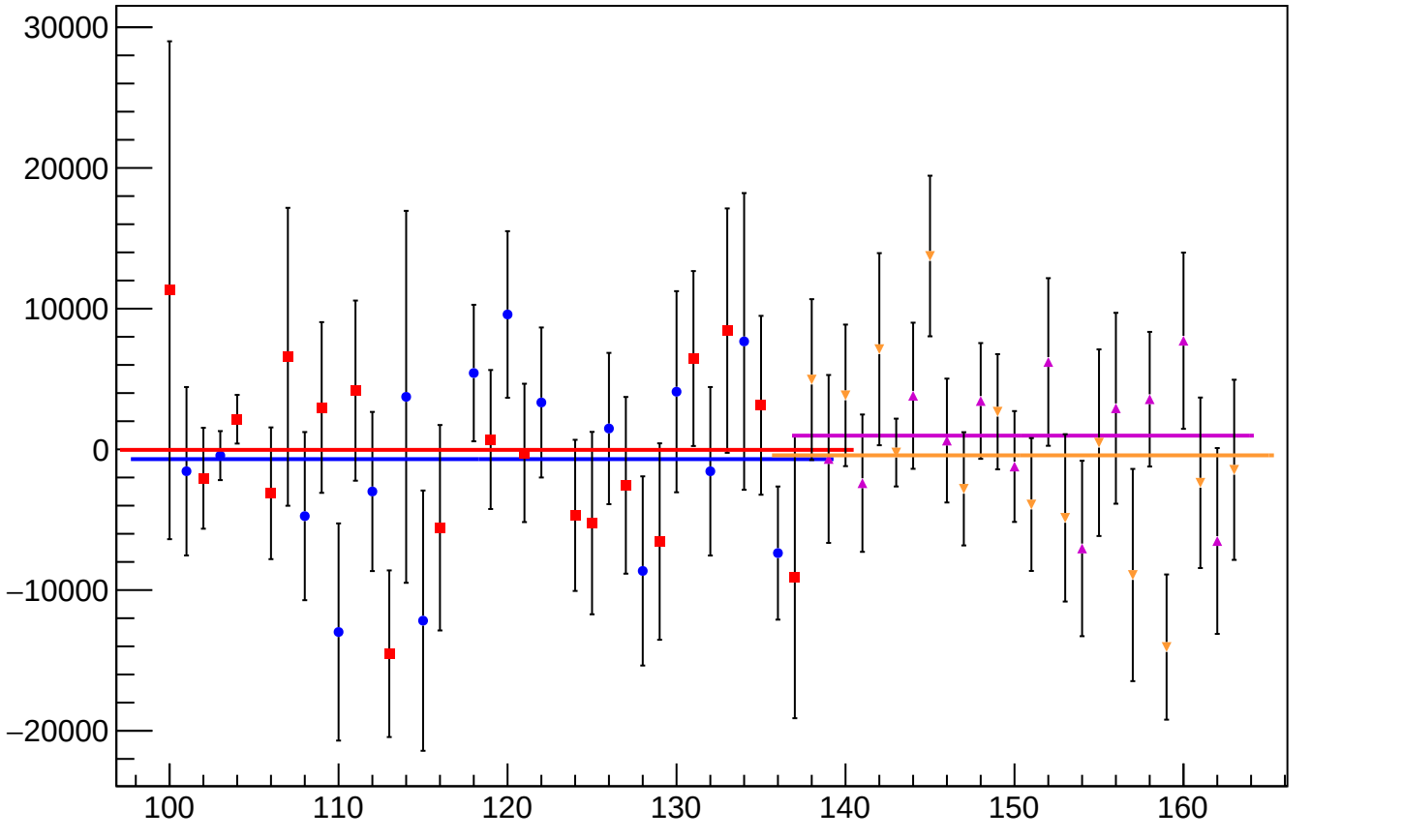
Left: 1311.458+/-0.200 χ^2/NDF: 167061.5/25

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

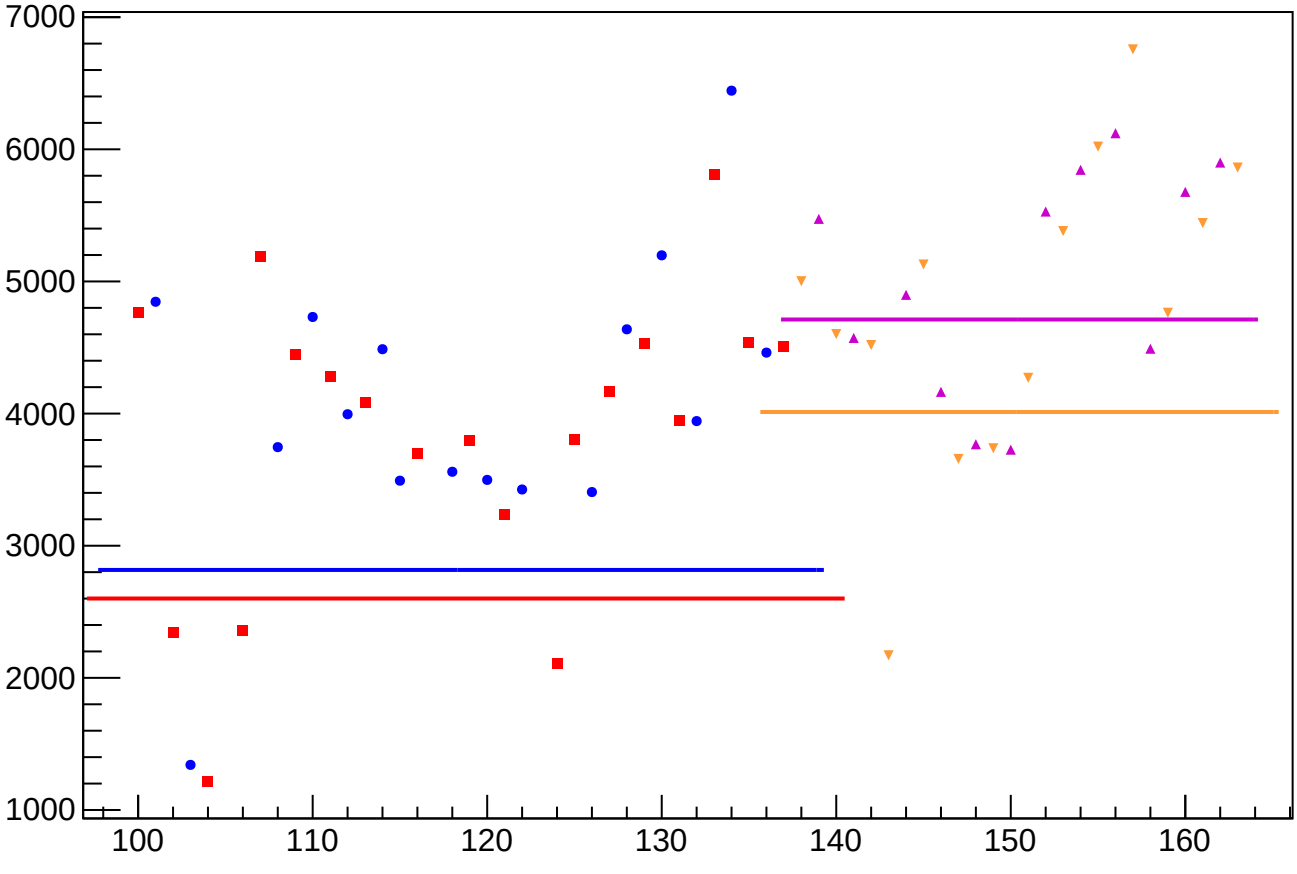
In: 1303.469+/-0.221 χ^2/NDF:533024.7/27

Out: 1319.738+/-0.218 χ^2/NDF:473896.5/32

All: 1311.718+/-0.156 χ^2/NDF: 1009656.8/60


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: -424.922+/-1271.489 χ²/NDF:19.4/13
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 975.096+/-1490.650 χ²/NDF:6.8/11
Left: 164.698+/-967.375 χ²/NDF: 26.7/25
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: -50.147+/-926.375 χ²/NDF:22.2/27
Out: -202.238+/-831.115 χ²/NDF:35.4/32
All: -134.412+/-618.633 χ²/NDF: 57.7/60

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4012.152+/-0.899 χ^2/NDF:2247534.5/13

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4711.979+/-1.054 χ^2/NDF:604704.6/11

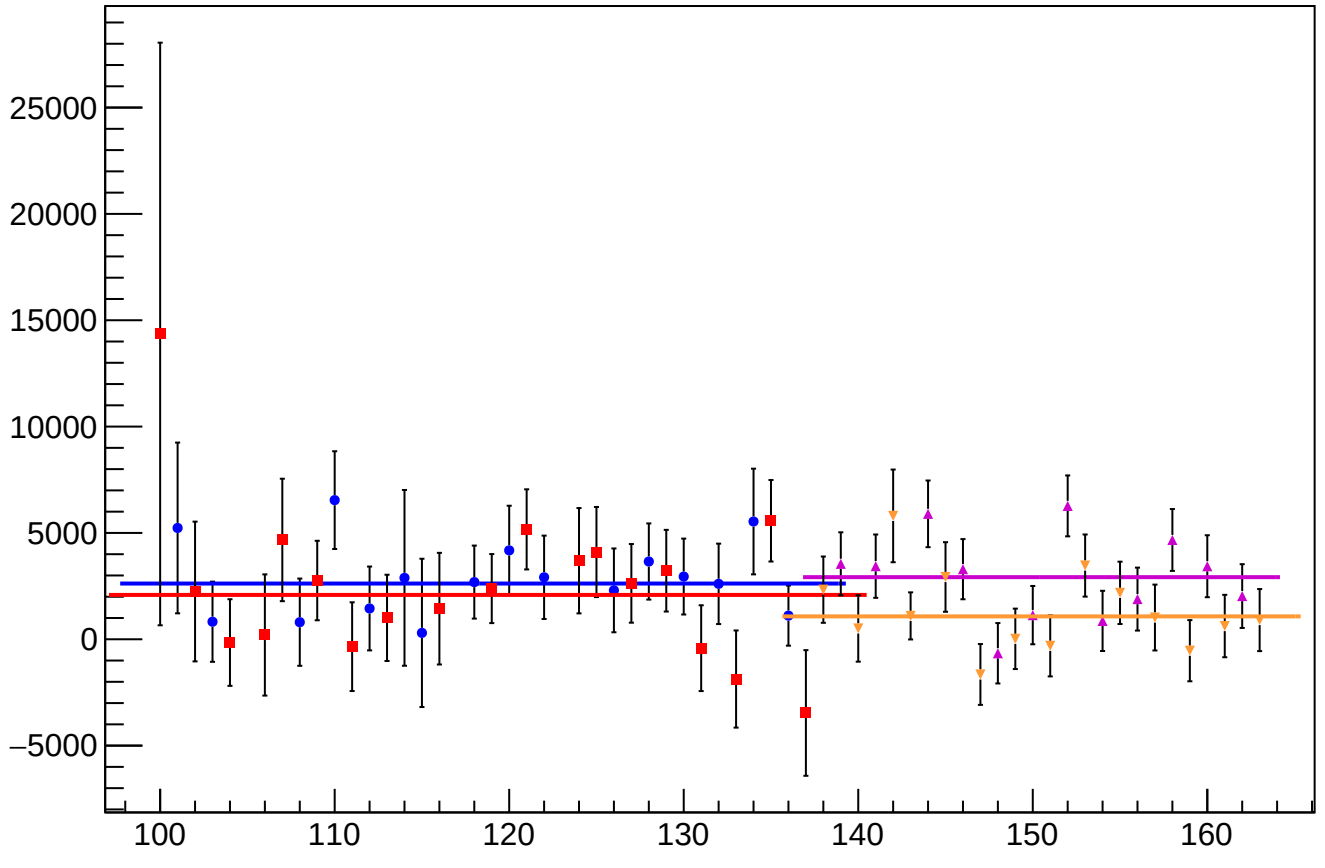
Left: 4306.885+/-0.684 χ^2/NDF: 3107406.1/25

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3548.725+/-0.655 χ^2/NDF:5596573.6/27

Out: 3203.663+/-0.588 χ^2/NDF:6740191.1/32

All: 3357.546+/-0.437 χ^2/NDF: 12490507.2/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1076.459+/-393.483 χ^2/NDF:16.5/13

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2920.632+/-419.829 χ^2/NDF:22.0/11

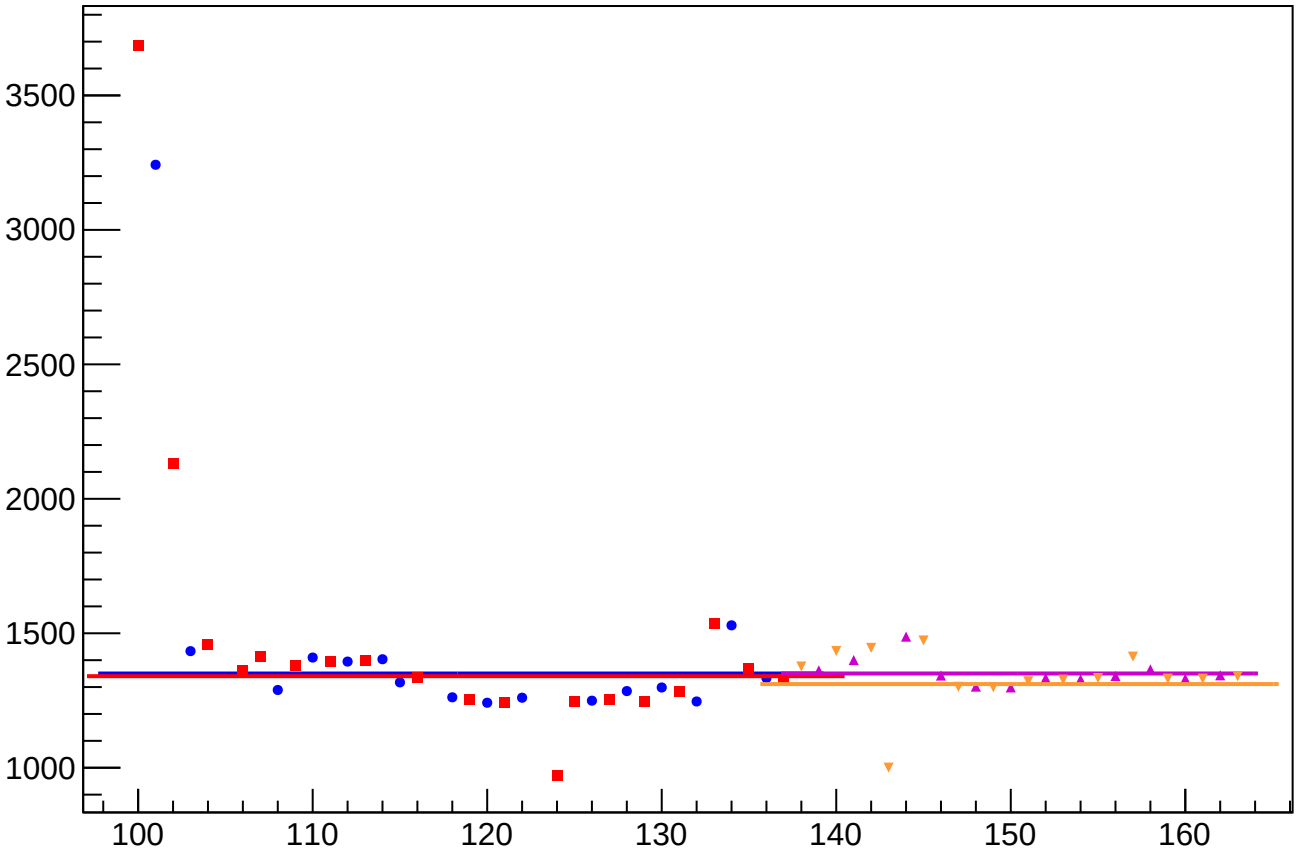
Left: 1938.868+/-287.097 χ^2/NDF: 48.8/25

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2799.841+/-324.519 χ^2/NDF:31.5/27

Out: 1457.800+/-310.357 χ^2/NDF:39.9/32

All: 2098.899+/-224.295 χ^2/NDF: 80.4/60



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1311.133+/-0.278 χ^2/NDF:212085.4/13

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1350.495+/-0.297 χ^2/NDF:24379.9/11

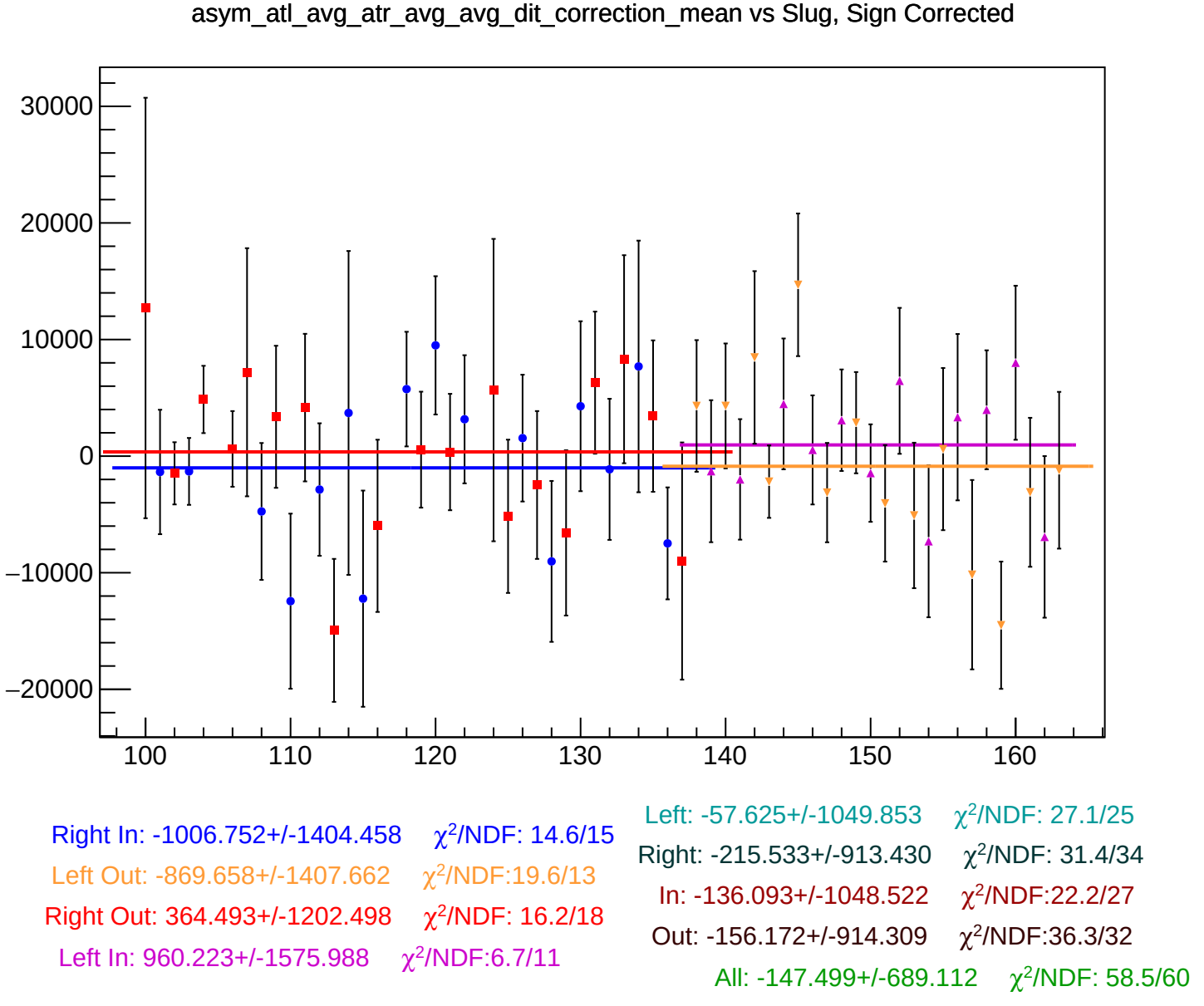
Left: 1329.540+/-0.203 χ^2/NDF: 245824.5/25

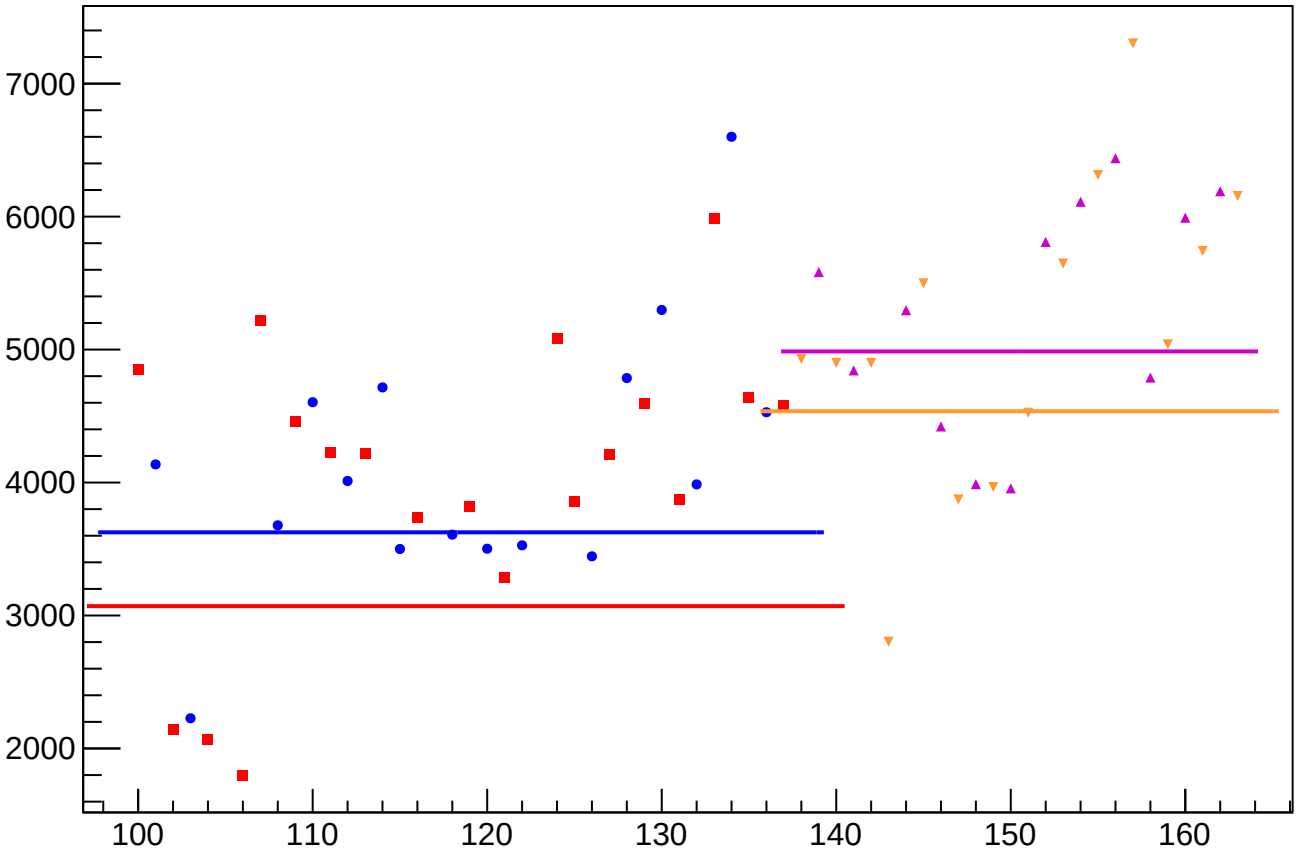
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1350.444+/-0.229 χ^2/NDF:518431.1/27

Out: 1322.212+/-0.219 χ^2/NDF:488461.4/32

All: 1335.696+/-0.159 χ^2/NDF: 1014800.2/60


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -869.658+/-1407.662 χ²/NDF:19.6/13
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 960.223+/-1575.988 χ²/NDF:6.7/11
Left: -57.625+/-1049.853 χ²/NDF: 27.1/25
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -136.093+/-1048.522 χ²/NDF:22.2/27
Out: -156.172+/-914.309 χ²/NDF:36.3/32
All: -147.499+/-689.112 χ²/NDF: 58.5/60



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4536.144+/-0.995 χ^2/NDF:1408614.4/13

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4986.025+/-1.114 χ^2/NDF:569245.5/11

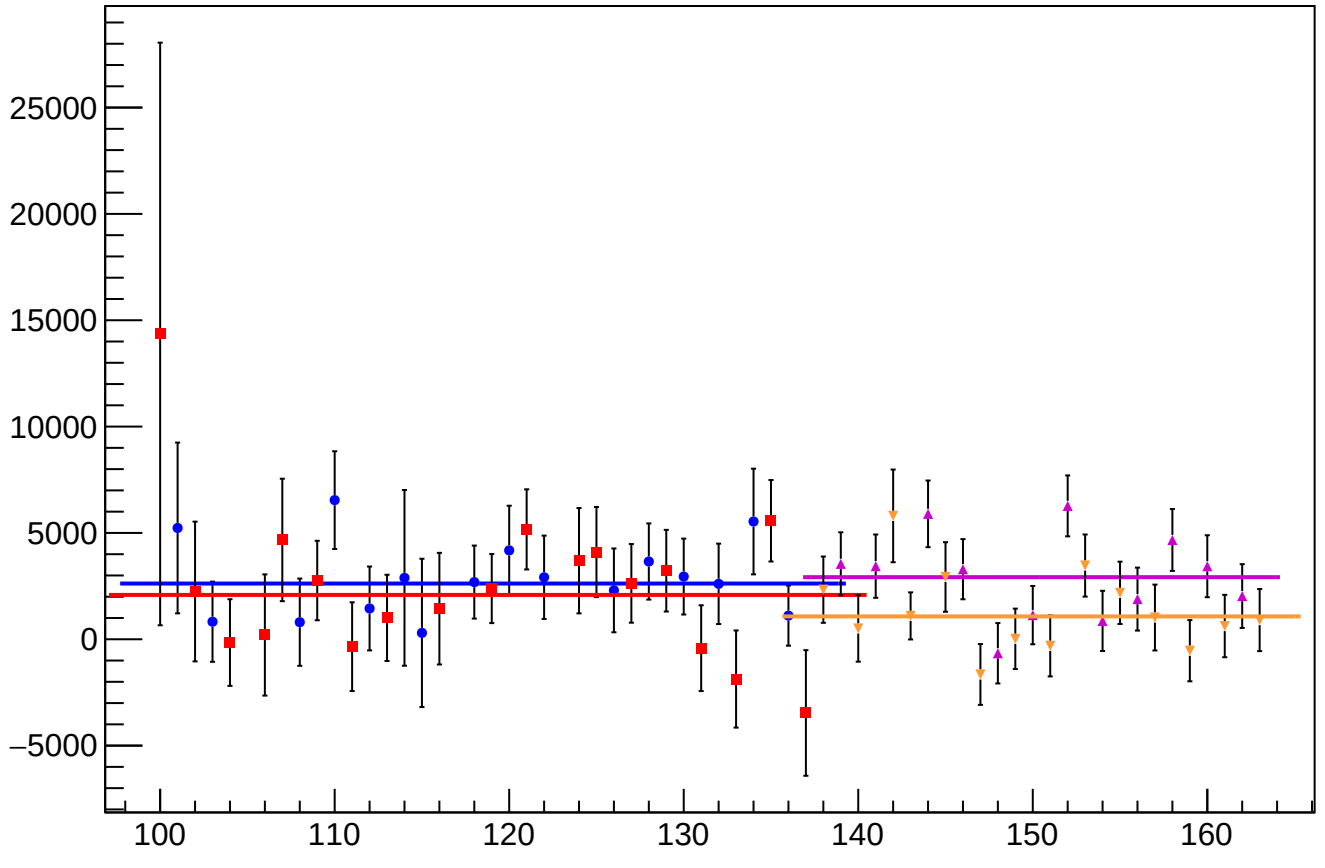
Left: 4735.785+/-0.742 χ^2/NDF: 2068512.4/25

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4227.727+/-0.741 χ^2/NDF:2344894.4/27

Out: 3688.794+/-0.647 χ^2/NDF:4500824.8/32

All: 3921.581+/-0.487 χ^2/NDF: 7145869.3/60



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1076.452+/-393.483 χ^2/NDF:16.5/13

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2920.631+/-419.830 χ^2/NDF:22.0/11

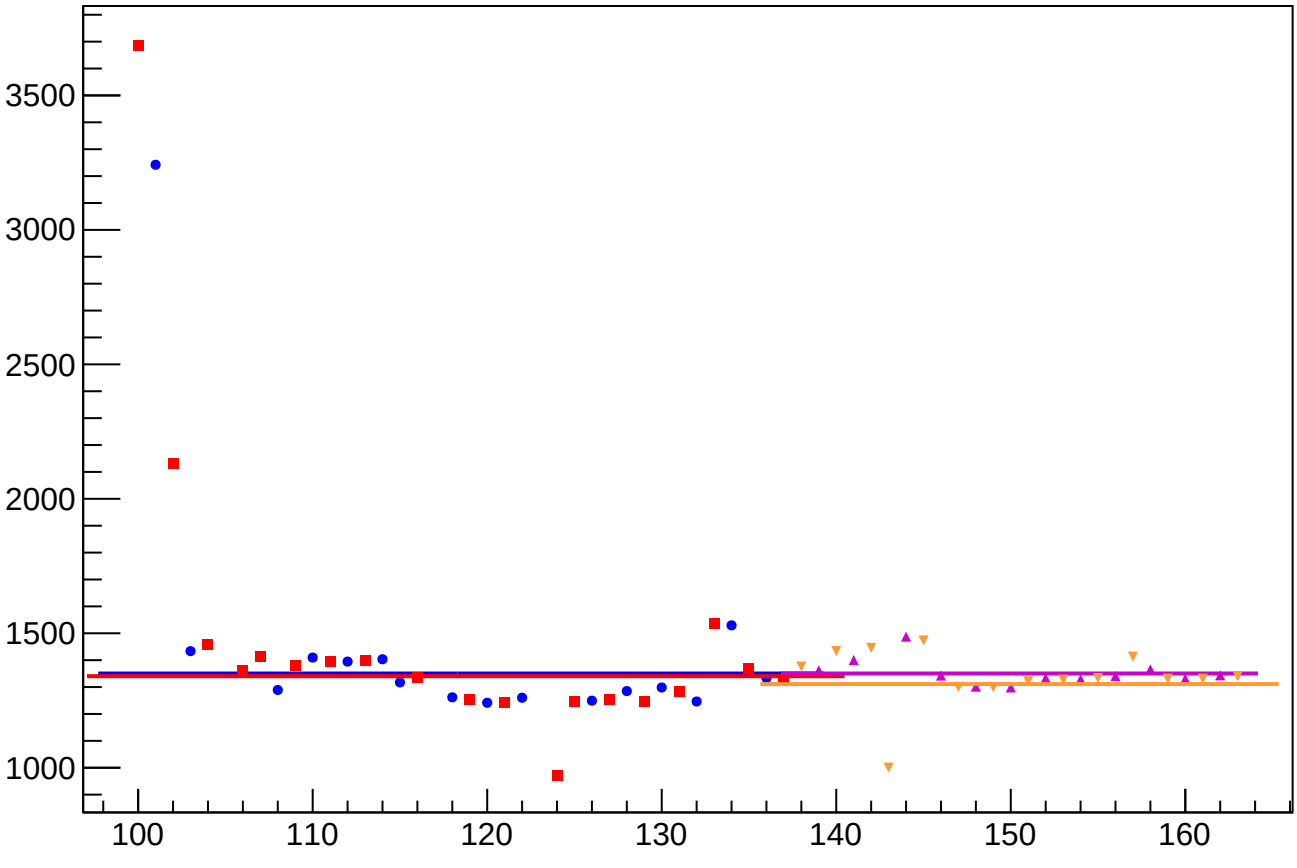
Left: 1938.864+/-287.097 χ^2/NDF: 48.8/25

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2799.841+/-324.519 χ^2/NDF:31.5/27

Out: 1457.797+/-310.357 χ^2/NDF:39.9/32

All: 2098.897+/-224.295 χ^2/NDF: 80.4/60



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1311.135+/-0.278 χ^2/NDF:212086.0/13

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1350.497+/-0.297 χ^2/NDF:24380.1/11

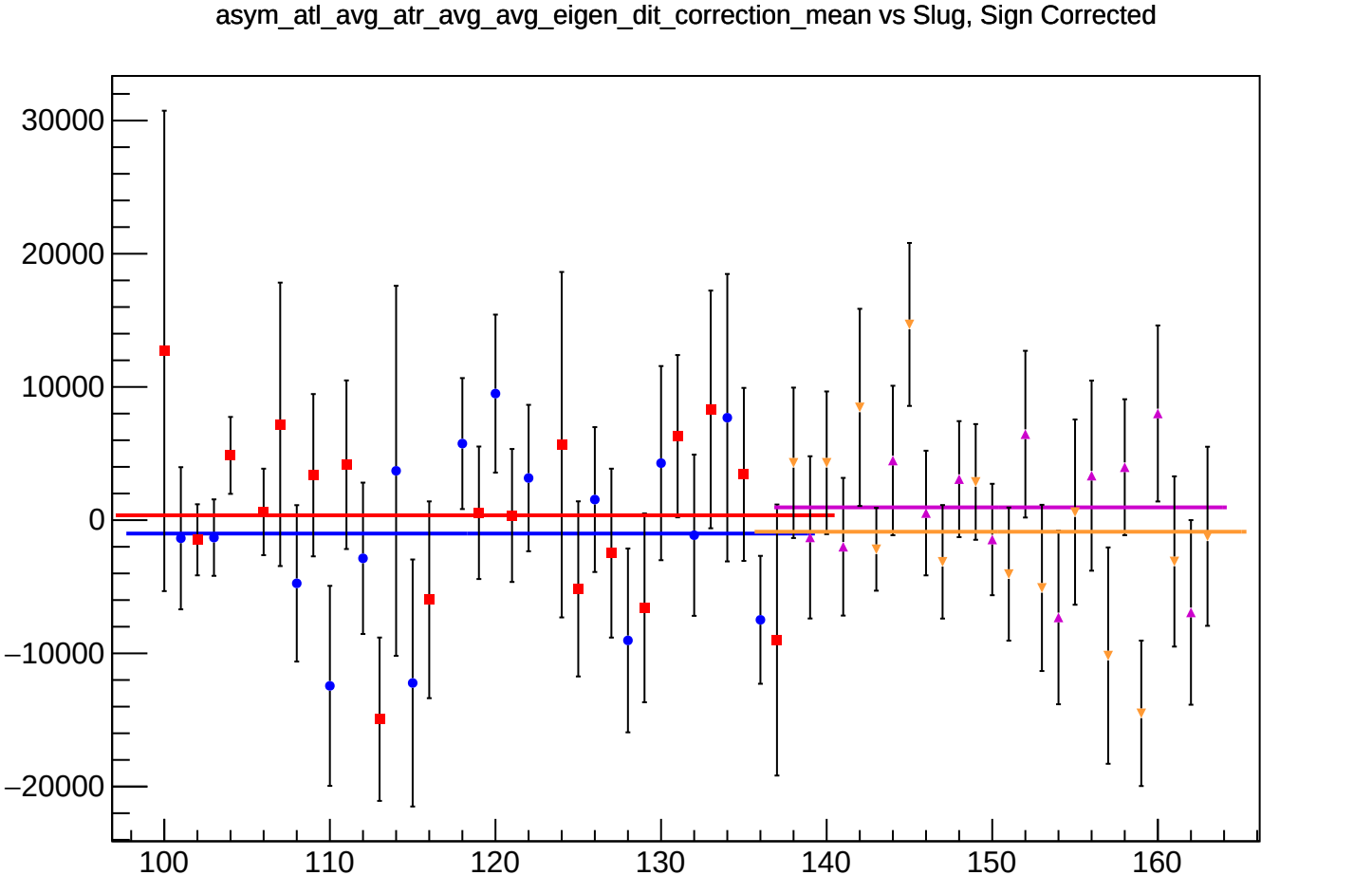
Left: 1329.542+/-0.203 χ^2/NDF: 245825.4/25

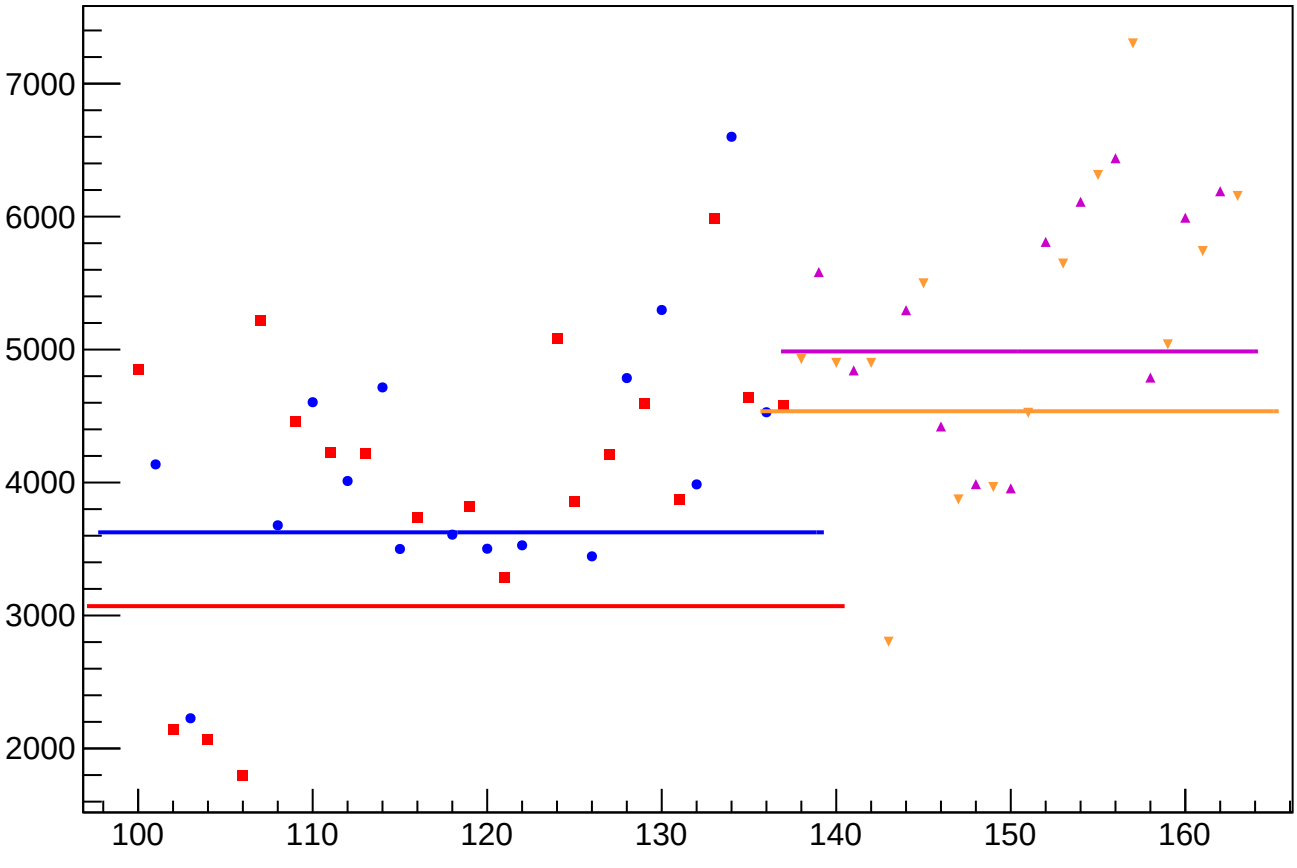
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1350.445+/-0.229 χ^2/NDF:518431.4/27

Out: 1322.213+/-0.219 χ^2/NDF:488460.5/32

All: 1335.696+/-0.159 χ^2/NDF: 1014799.6/60


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -869.664+/-1407.664 χ²/NDF:19.6/13
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 960.223+/-1575.990 χ²/NDF:6.7/11
Left: -57.628+/-1049.854 χ²/NDF: 27.1/25
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -136.092+/-1048.521 χ²/NDF:22.2/27
Out: -156.171+/-914.309 χ²/NDF:36.3/32
All: -147.498+/-689.111 χ²/NDF: 58.5/60



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4536.151+/-0.995 χ^2/NDF:1408614.5/13

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4986.032+/-1.114 χ^2/NDF:569246.3/11

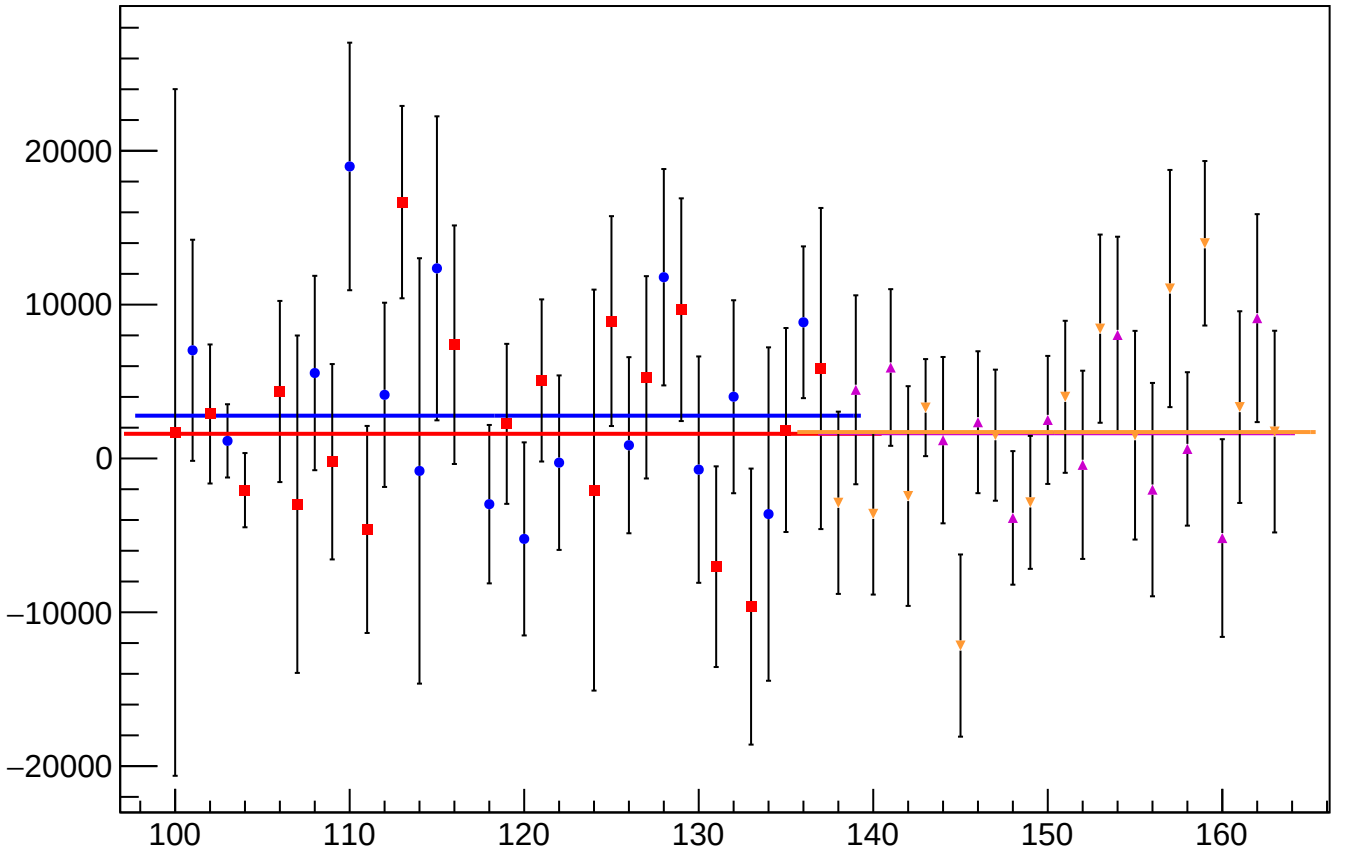
Left: 4735.791+/-0.742 χ^2/NDF: 2068513.0/25

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4227.723+/-0.741 χ^2/NDF:2344916.8/27

Out: 3688.789+/-0.647 χ^2/NDF:4500854.6/32

All: 3921.576+/-0.487 χ^2/NDF: 7145922.5/60



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1716.380+/-1397.178 χ^2/NDF:17.1/13

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1638.216+/-1551.541 χ^2/NDF:6.4/11

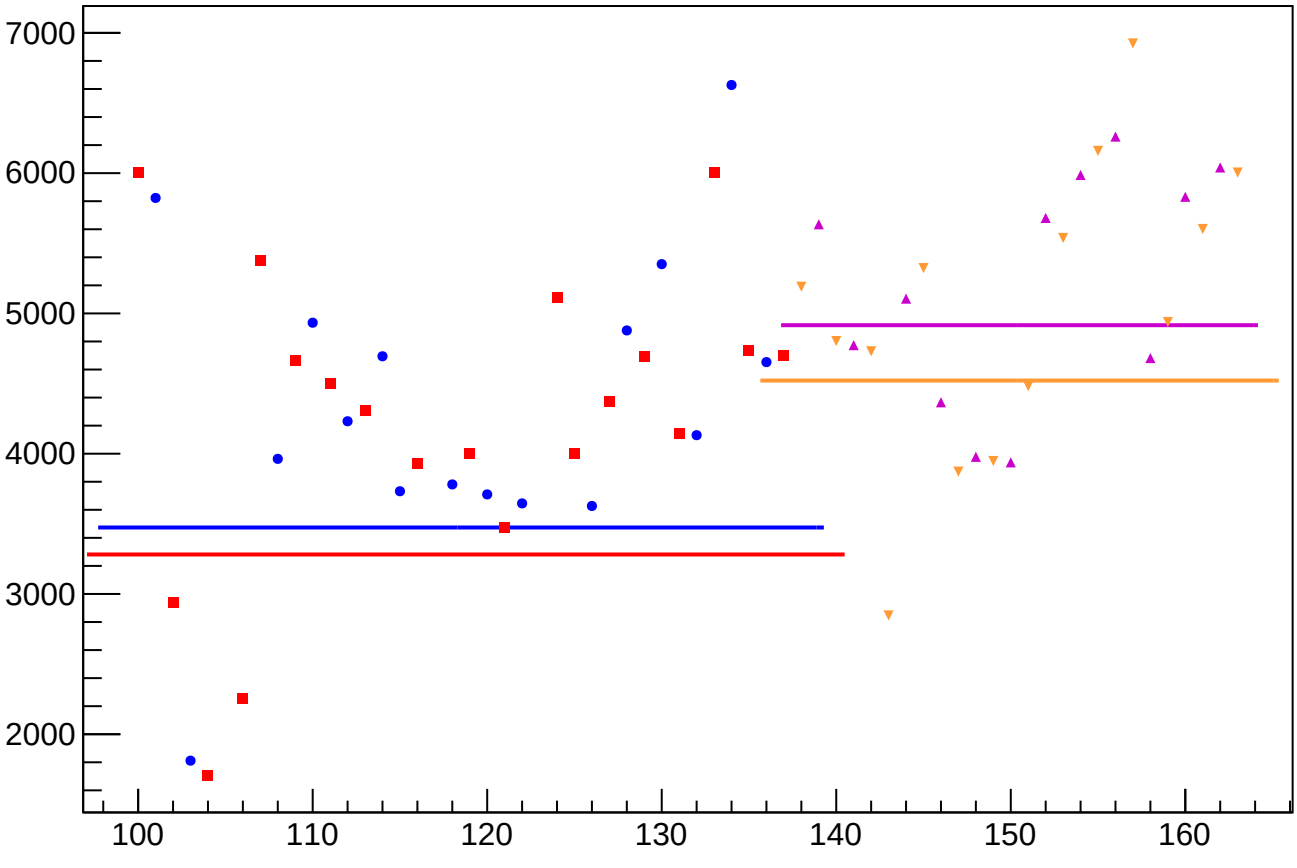
Left: 1681.379+/-1038.251 χ^2/NDF: 23.4/25

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2272.338+/-1035.064 χ^2/NDF:19.9/27

Out: 1657.001+/-965.982 χ^2/NDF:33.9/32

All: 1943.452+/-706.213 χ^2/NDF: 53.9/60



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4521.490+/-0.988 χ^2/NDF:1255737.6/13

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4916.067+/-1.097 χ^2/NDF:526708.4/11

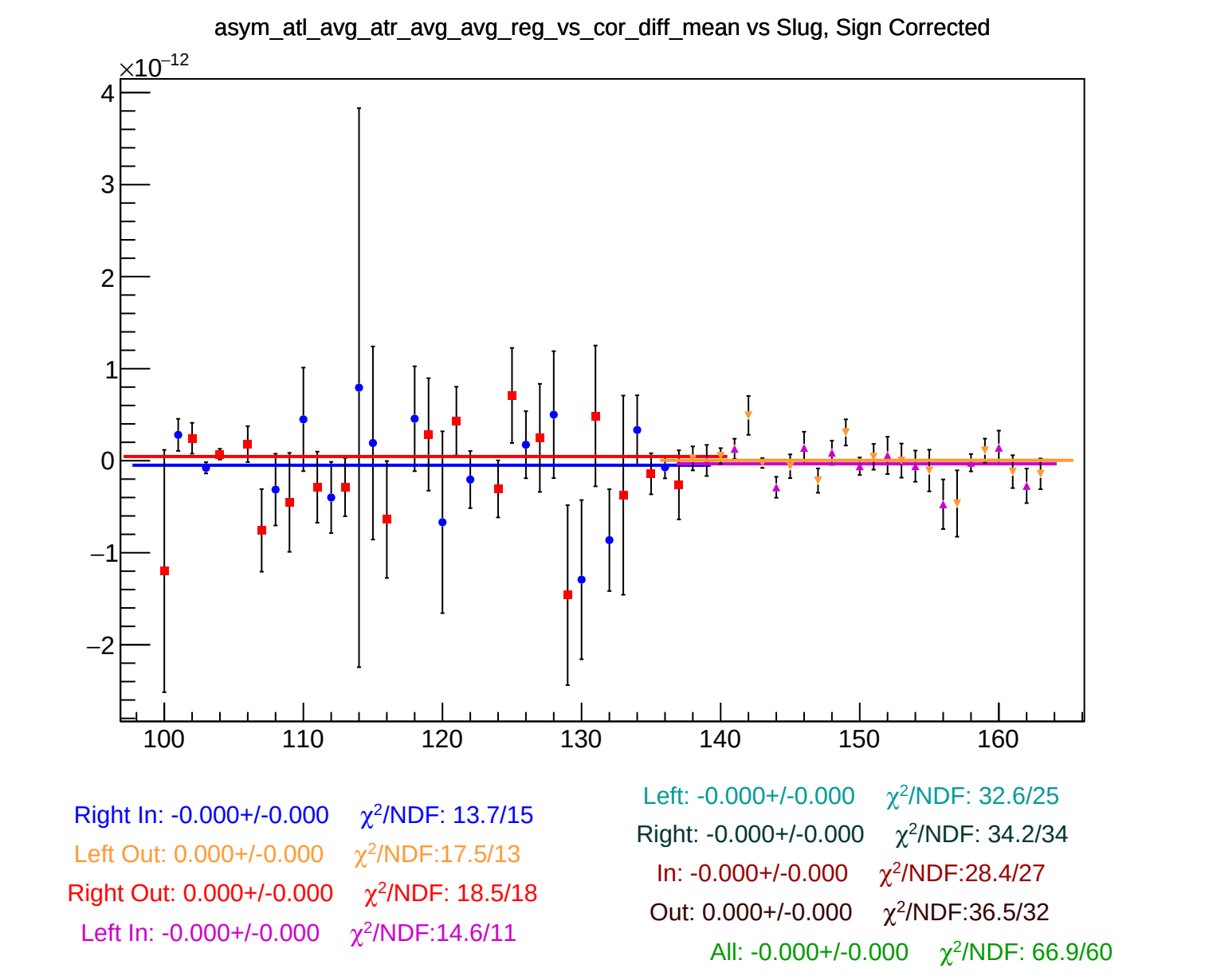
Left: 4698.179+/-0.734 χ^2/NDF: 1853874.0/25

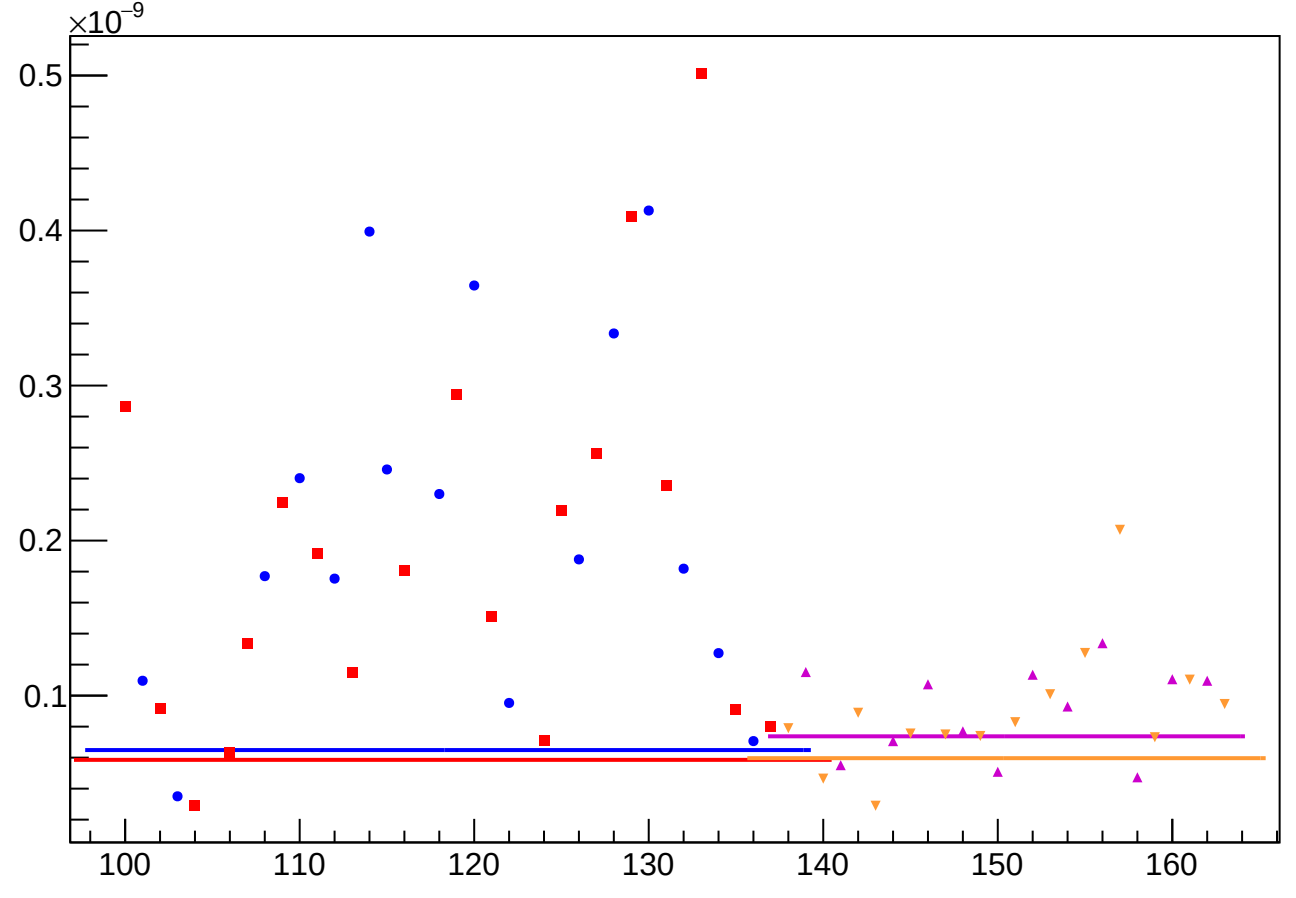
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4115.728+/-0.732 χ^2/NDF:3329617.6/27

Out: 3865.704+/-0.678 χ^2/NDF:3964364.7/32

All: 3981.196+/-0.497 χ^2/NDF: 7356774.4/60


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:14.6/11
Left: -0.000+/-0.000 χ²/NDF: 32.6/25
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:28.4/27
Out: 0.000+/-0.000 χ²/NDF:36.5/32
All: -0.000+/-0.000 χ²/NDF: 66.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1819155.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:881457.3/11

Left: 0.000+/-0.000 χ^2/NDF: 2854340.6/25

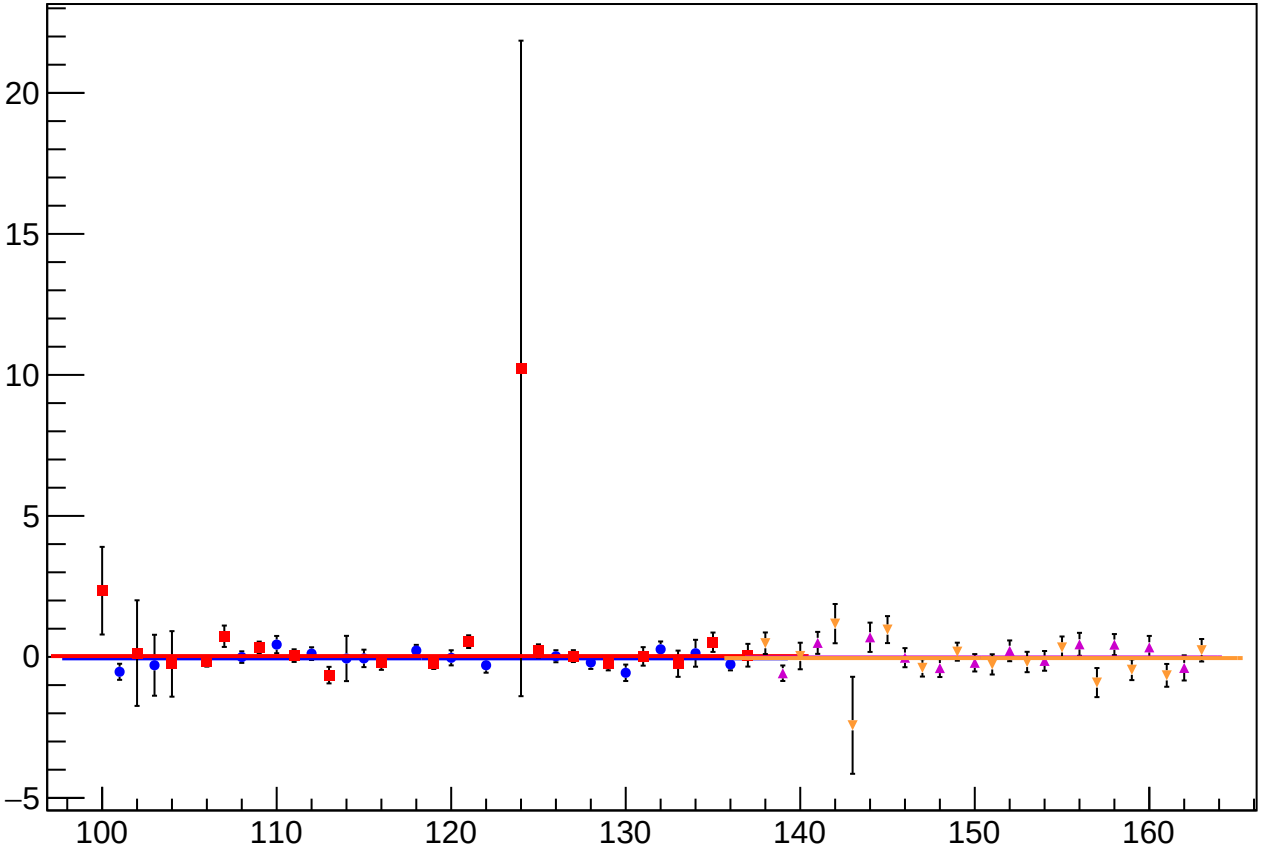
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3514466.7/27

Out: 0.000+/-0.000 χ^2/NDF:4674978.6/32

All: 0.000+/-0.000 χ^2/NDF: 8333987.6/60

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.019+/-0.104 χ^2/NDF:14.4/11

Left: -0.030+/-0.075 χ^2/NDF: 35.9/25

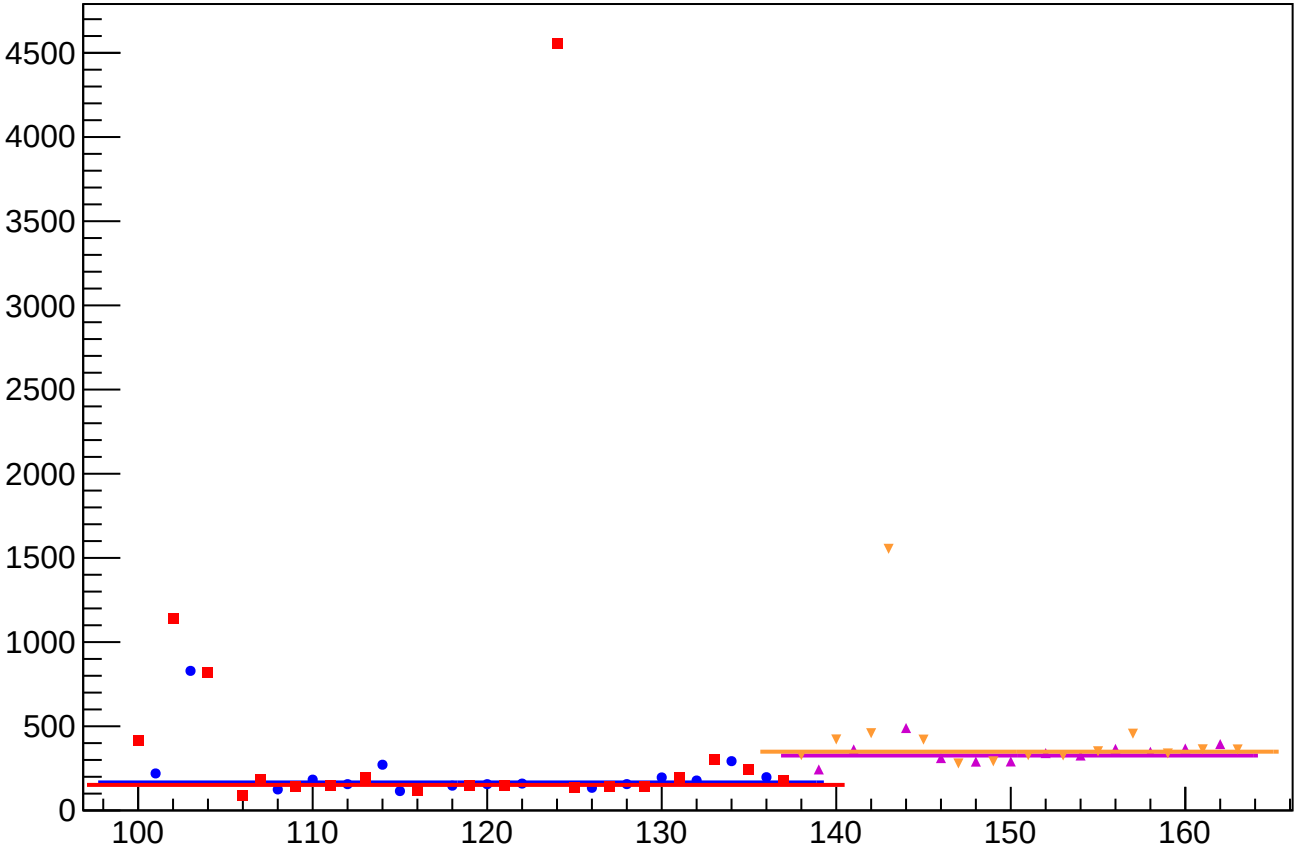
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.042+/-0.056 χ^2/NDF:29.3/27

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.015+/-0.039 χ^2/NDF: 79.1/60

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: 349.117+/-0.077 χ^2/NDF:1403620.4/13

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.353+/-0.074 χ^2/NDF:548076.2/11

Left: 337.194+/-0.053 χ^2/NDF: 1997339.6/25

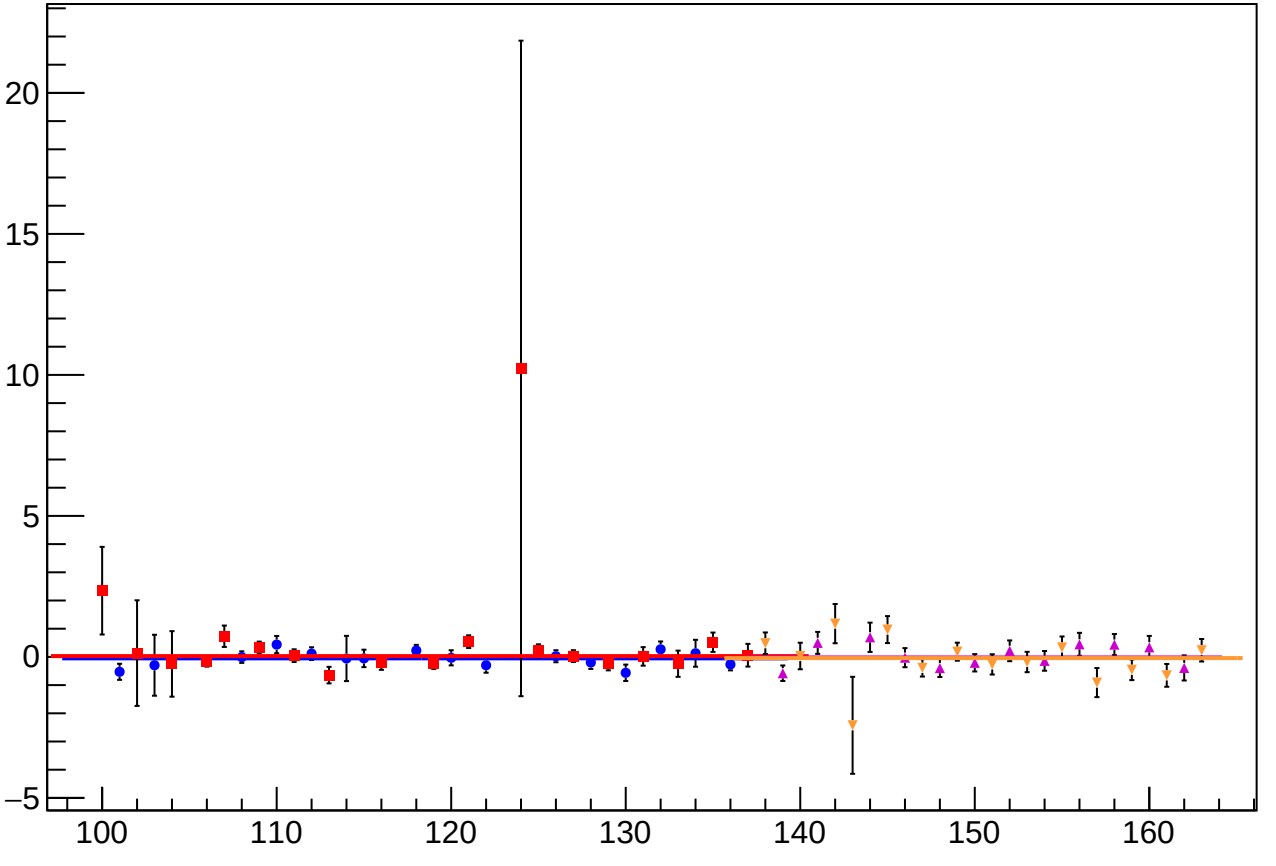
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 213.027+/-0.040 χ^2/NDF:5184507.4/27

Out: 202.370+/-0.039 χ^2/NDF:8589095.1/32

All: 207.607+/-0.028 χ^2/NDF: 13810226.4/60

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.019+/-0.104 χ^2/NDF:14.4/11

Left: -0.030+/-0.075 χ^2/NDF: 35.9/25

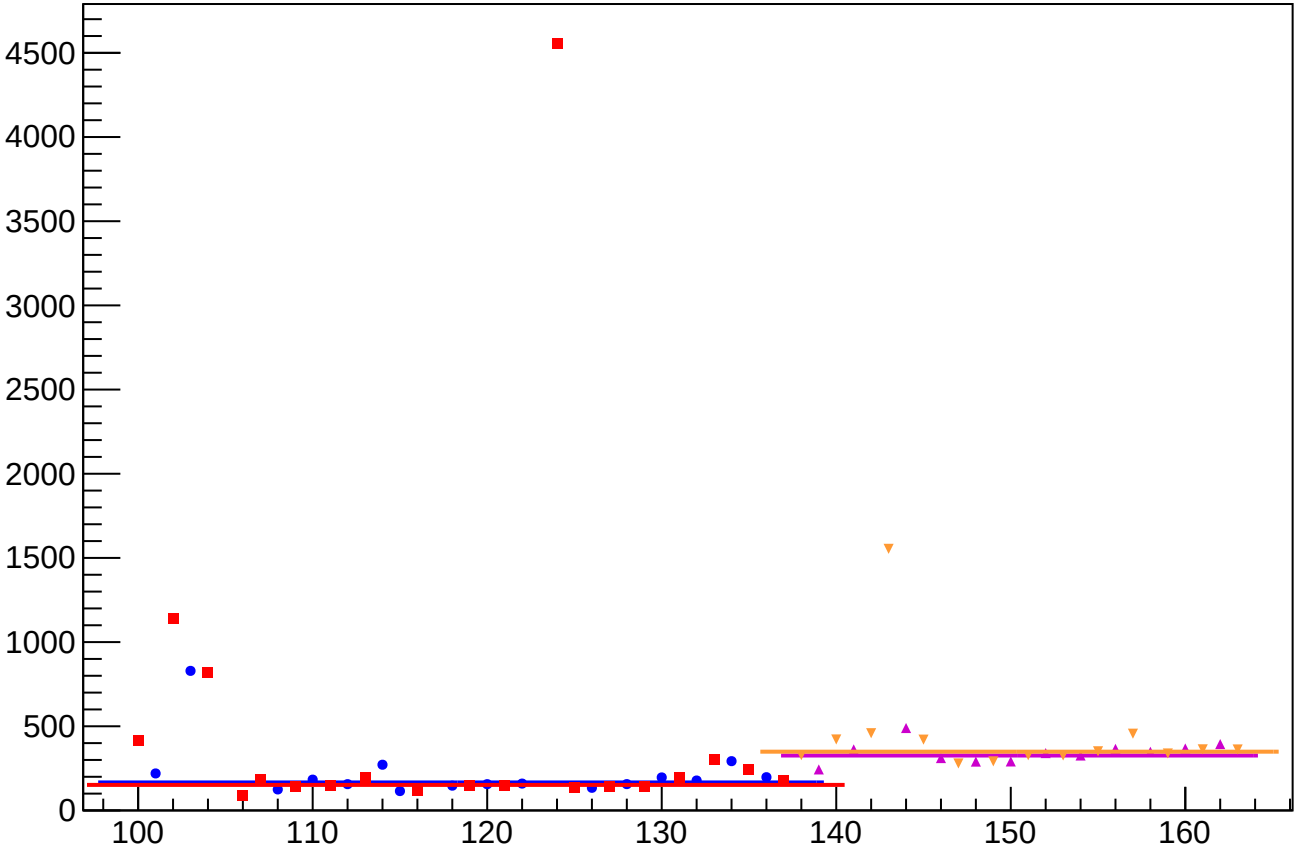
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.042+/-0.056 χ^2/NDF:29.3/27

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.015+/-0.039 χ^2/NDF: 79.1/60

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: 349.117+/-0.077 χ^2/NDF:1403620.4/13

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 326.353+/-0.074 χ^2/NDF:548076.2/11

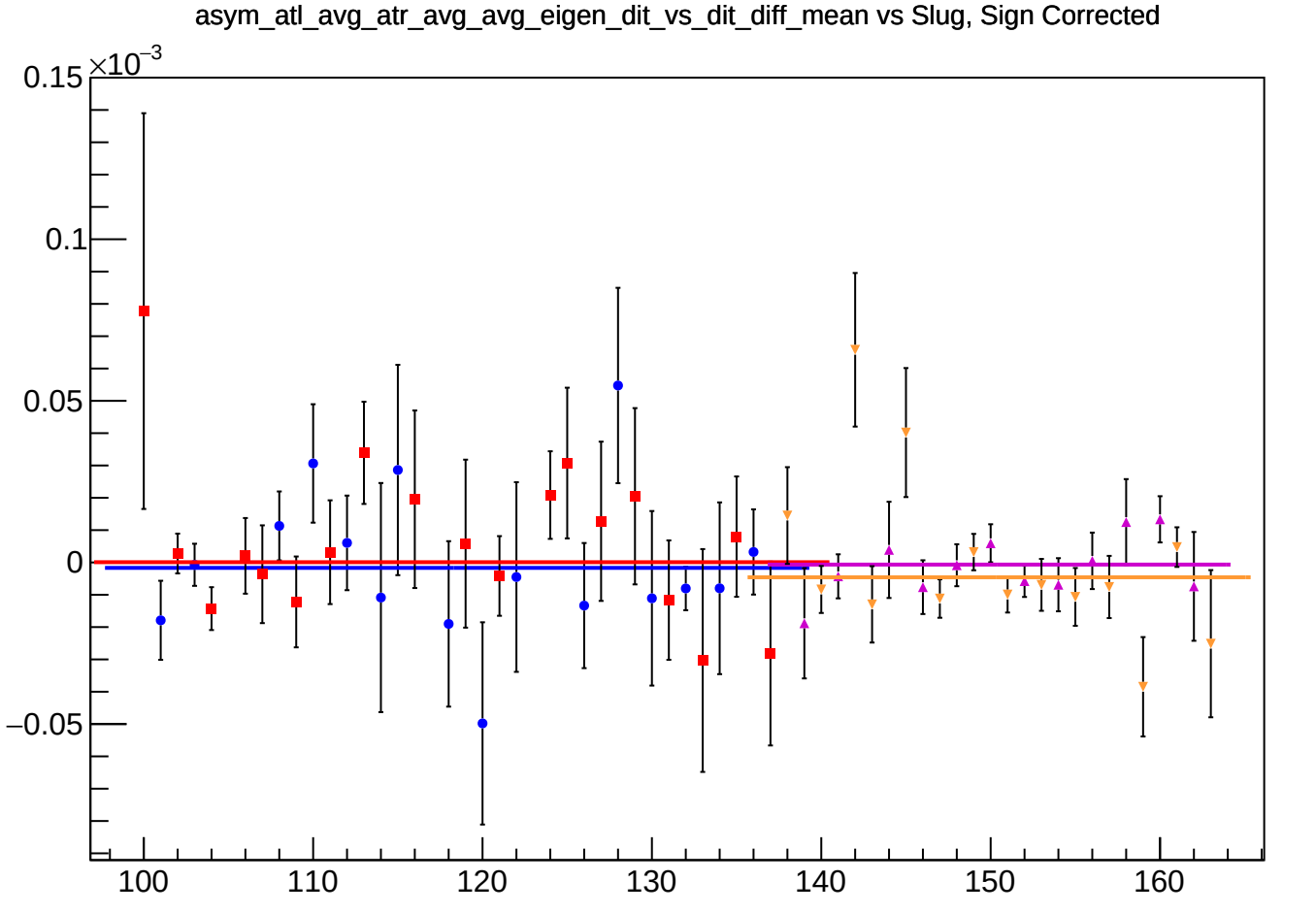
Left: 337.194+/-0.053 χ^2/NDF: 1997339.6/25

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 213.027+/-0.040 χ^2/NDF:5184507.4/27

Out: 202.370+/-0.039 χ^2/NDF:8589095.1/32

All: 207.607+/-0.028 χ^2/NDF: 13810226.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/11

Left: -0.000+/-0.000 χ^2/NDF: 40.5/25

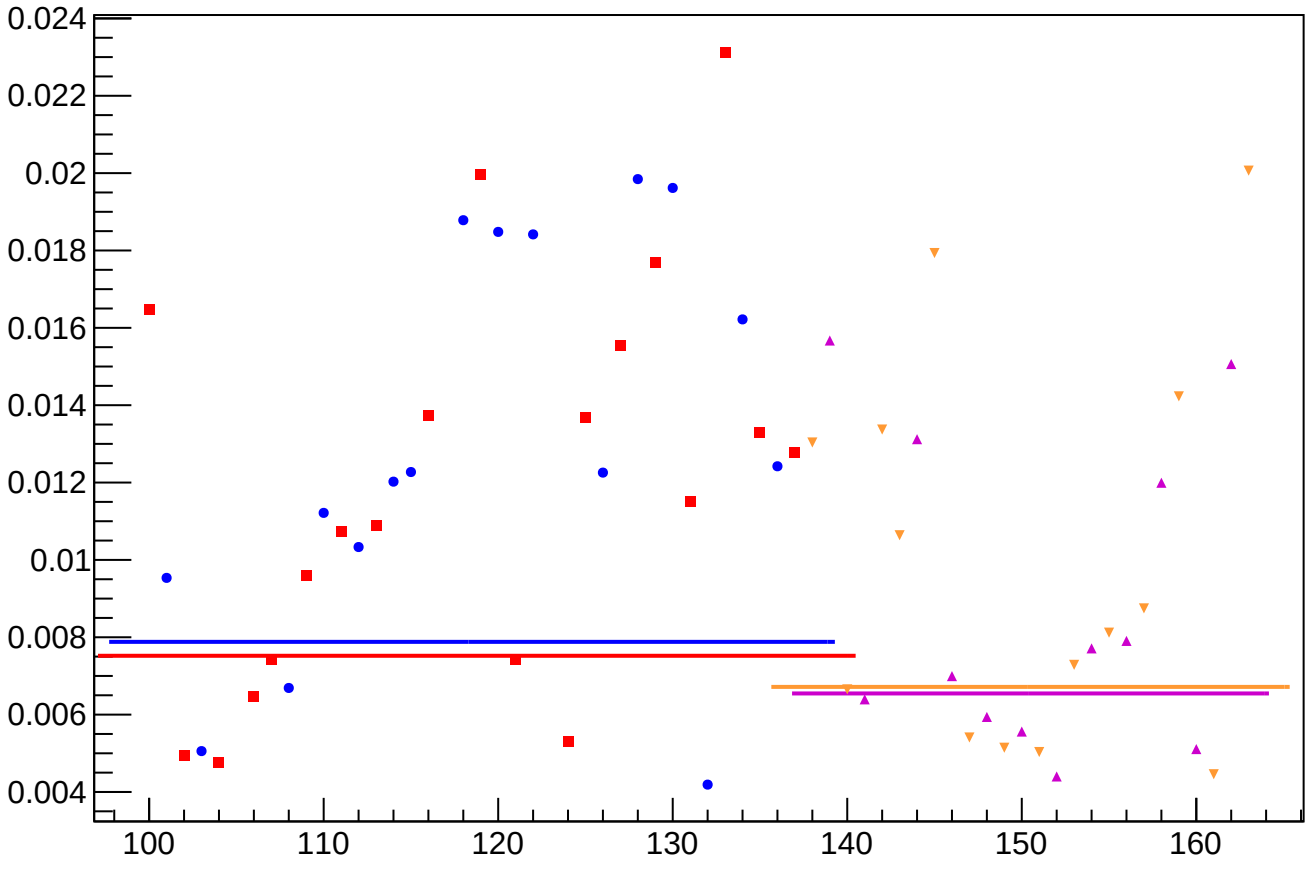
Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:25.7/27

Out: -0.000+/-0.000 χ^2/NDF:50.3/32

All: -0.000+/-0.000 χ^2/NDF: 76.5/60

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:3385068.1/13

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:2443419.3/11

Left: 0.007+/-0.000 χ^2/NDF: 5834133.7/25

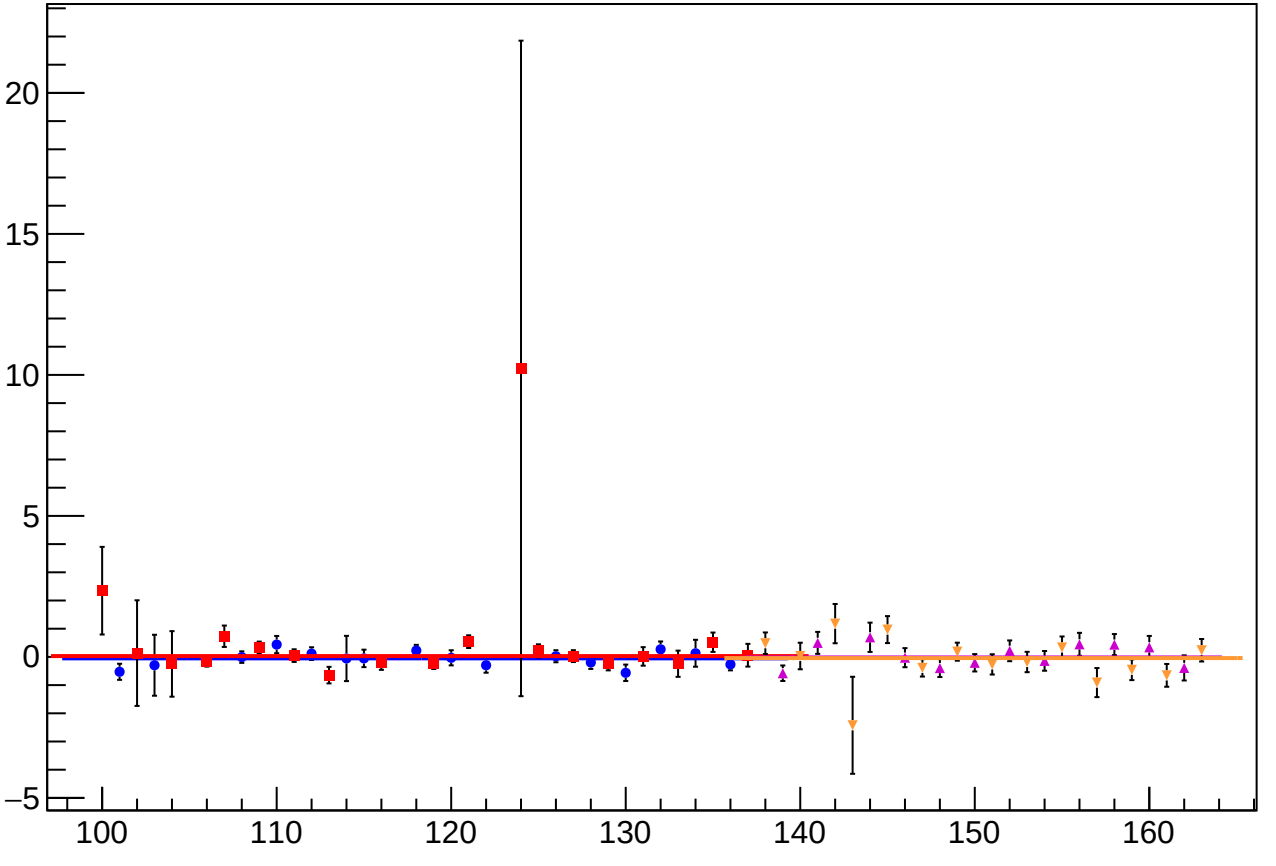
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5958303.5/27

Out: 0.007+/-0.000 χ^2/NDF:6447414.1/32

All: 0.007+/-0.000 χ^2/NDF: 12406012.9/60

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: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.019+/-0.104 χ^2/NDF:14.4/11

Left: -0.030+/-0.075 χ^2/NDF: 35.9/25

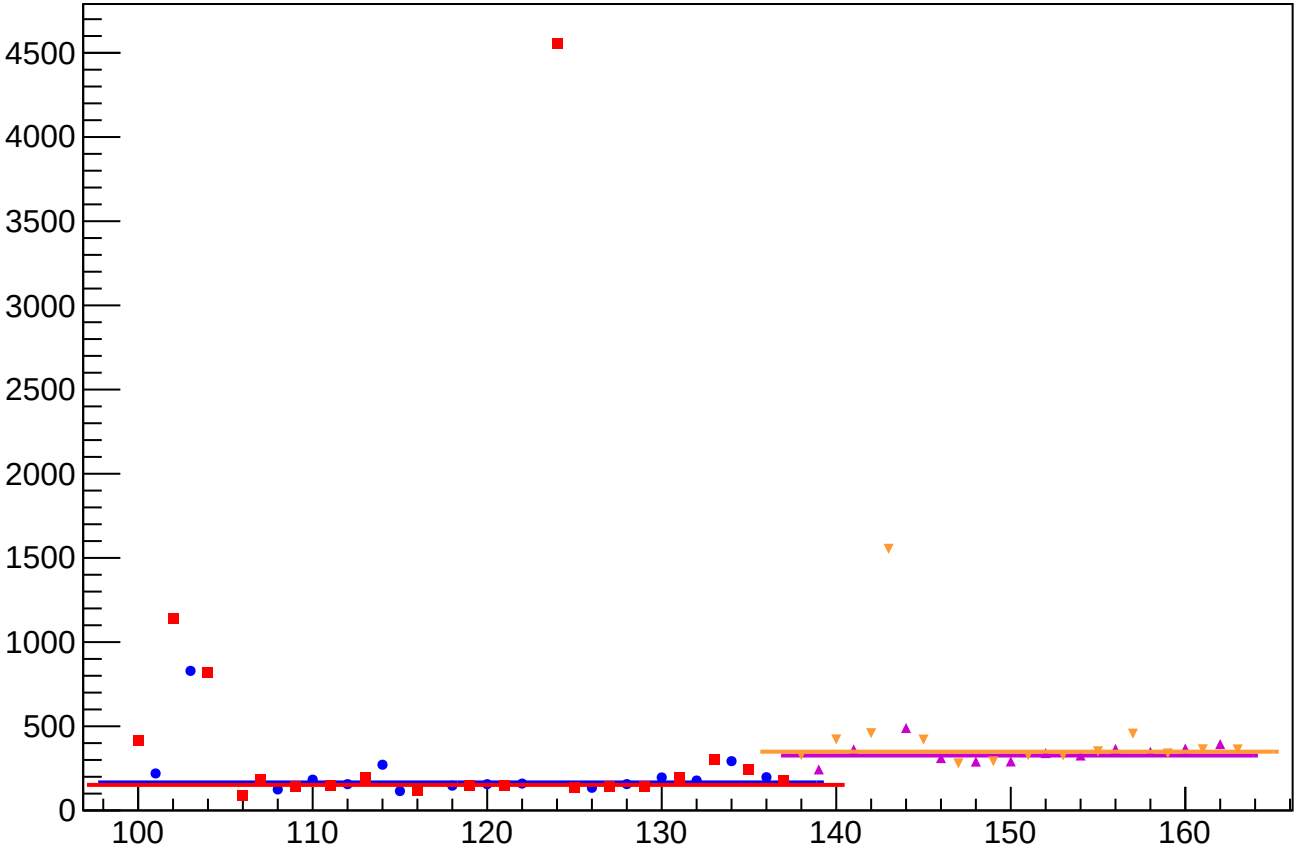
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.042+/-0.056 χ^2/NDF:29.3/27

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.015+/-0.039 χ^2/NDF: 79.1/60

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: 349.122+/-0.077 χ^2/NDF:1403623.4/13

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.358+/-0.074 χ^2/NDF:548067.9/11

Left: 337.199+/-0.053 χ^2/NDF: 1997333.2/25

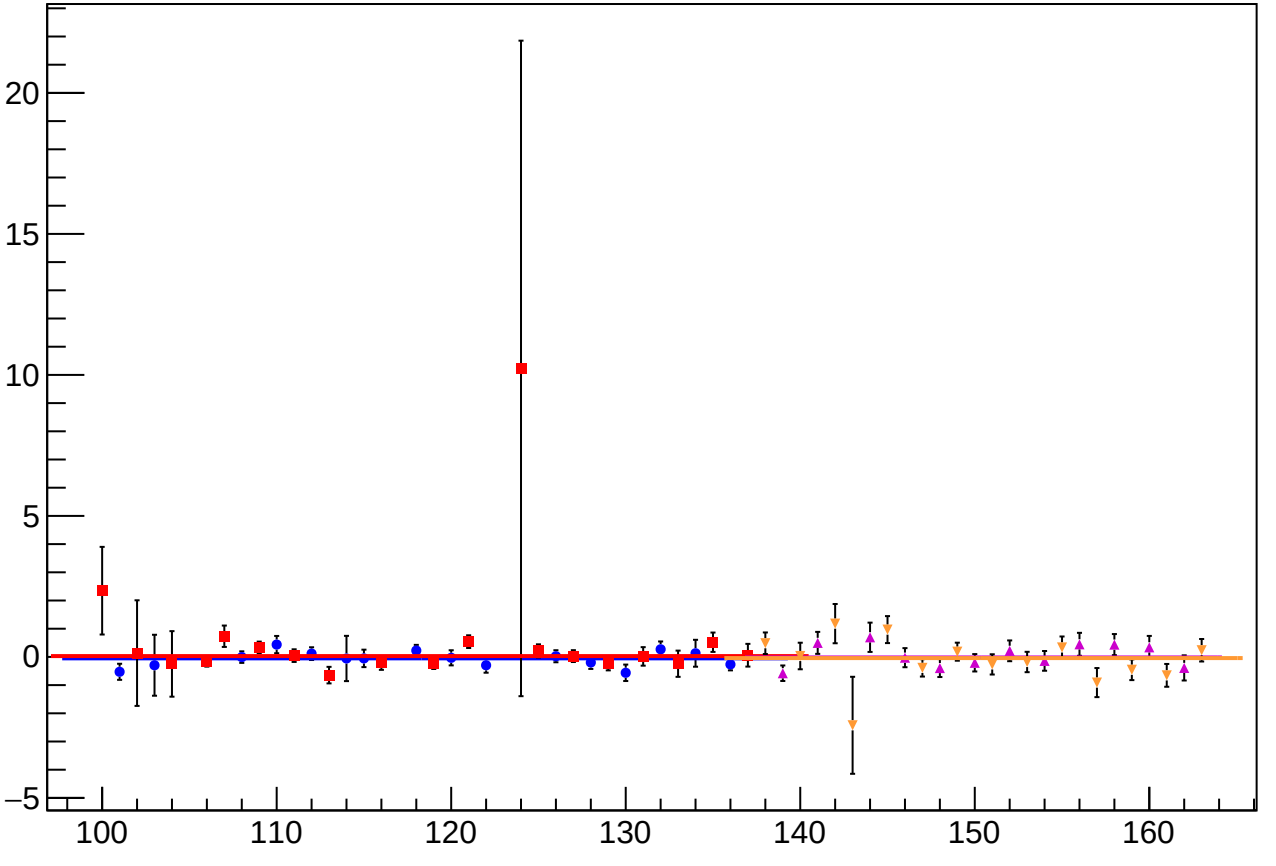
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 213.026+/-0.040 χ^2/NDF:5184668.6/27

Out: 202.368+/-0.039 χ^2/NDF:8589327.6/32

All: 207.607+/-0.028 χ^2/NDF: 13810627.1/60

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.042+/-0.109 χ^2/NDF:21.5/13

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.019+/-0.104 χ^2/NDF:14.4/11

Left: -0.030+/-0.075 χ^2/NDF: 35.9/25

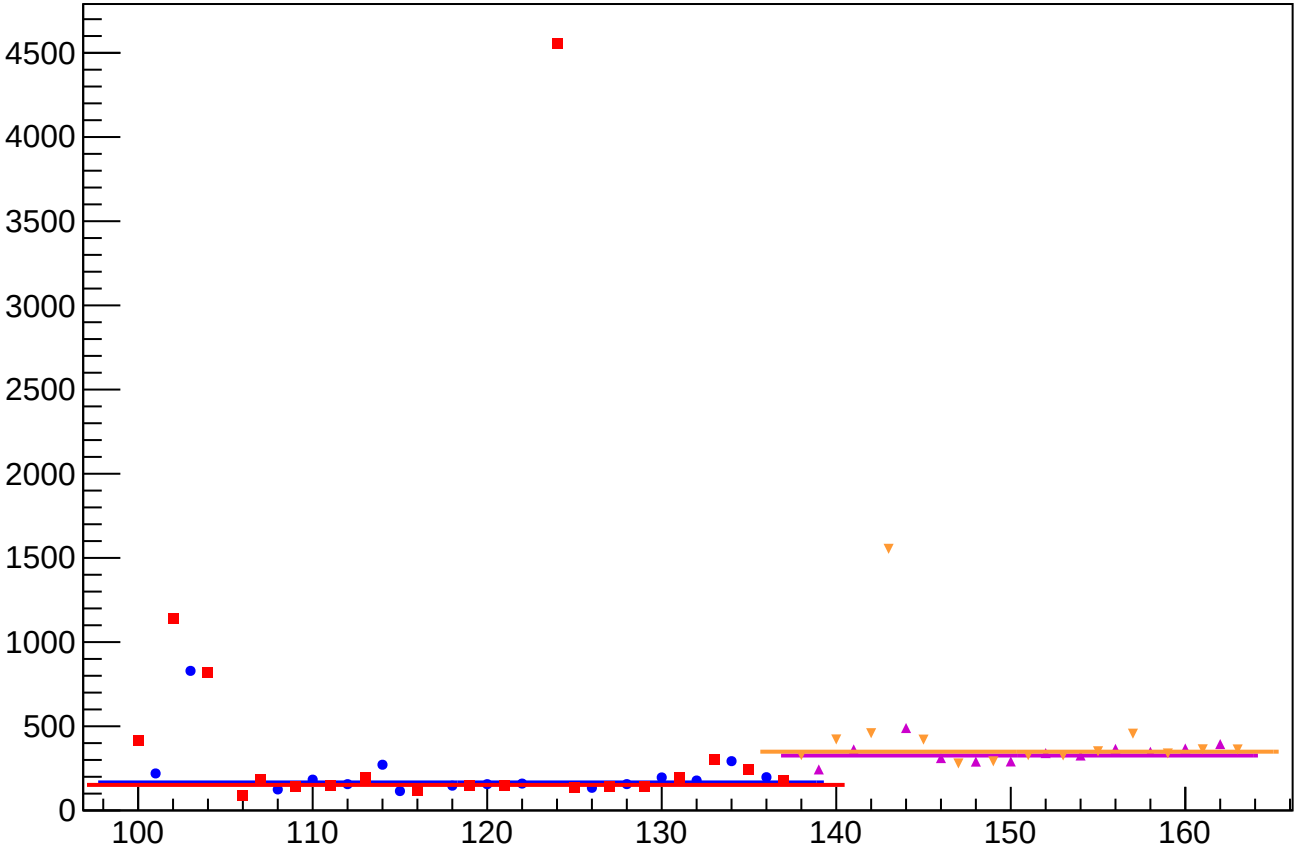
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.042+/-0.056 χ^2/NDF:29.3/27

Out: 0.011+/-0.055 χ^2/NDF:49.4/32

All: -0.015+/-0.039 χ^2/NDF: 79.1/60

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: 349.122+/-0.077 χ^2/NDF:1403623.4/13

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 326.358+/-0.074 χ^2/NDF:548067.9/11

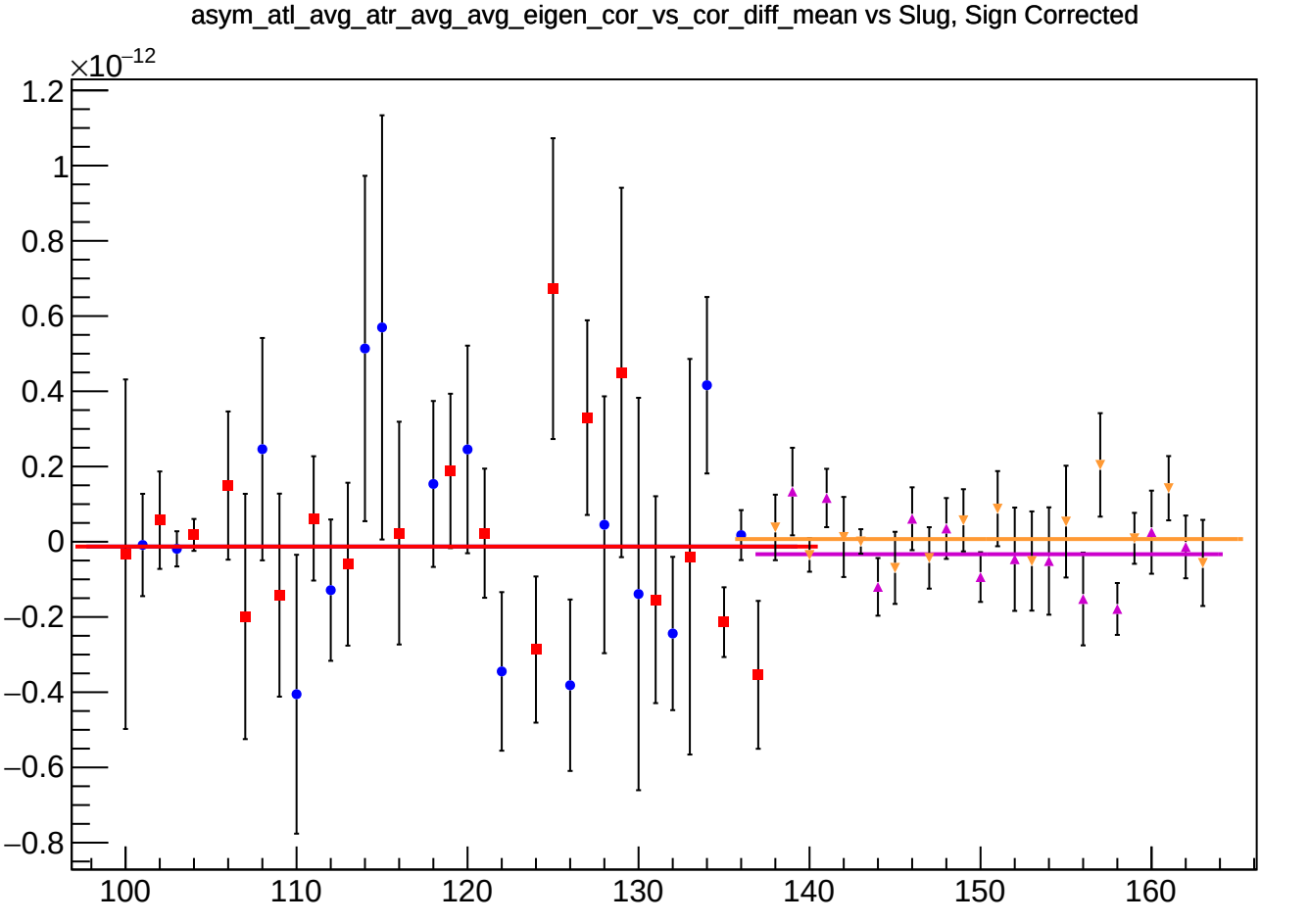
Left: 337.199+/-0.053 χ^2/NDF: 1997333.2/25

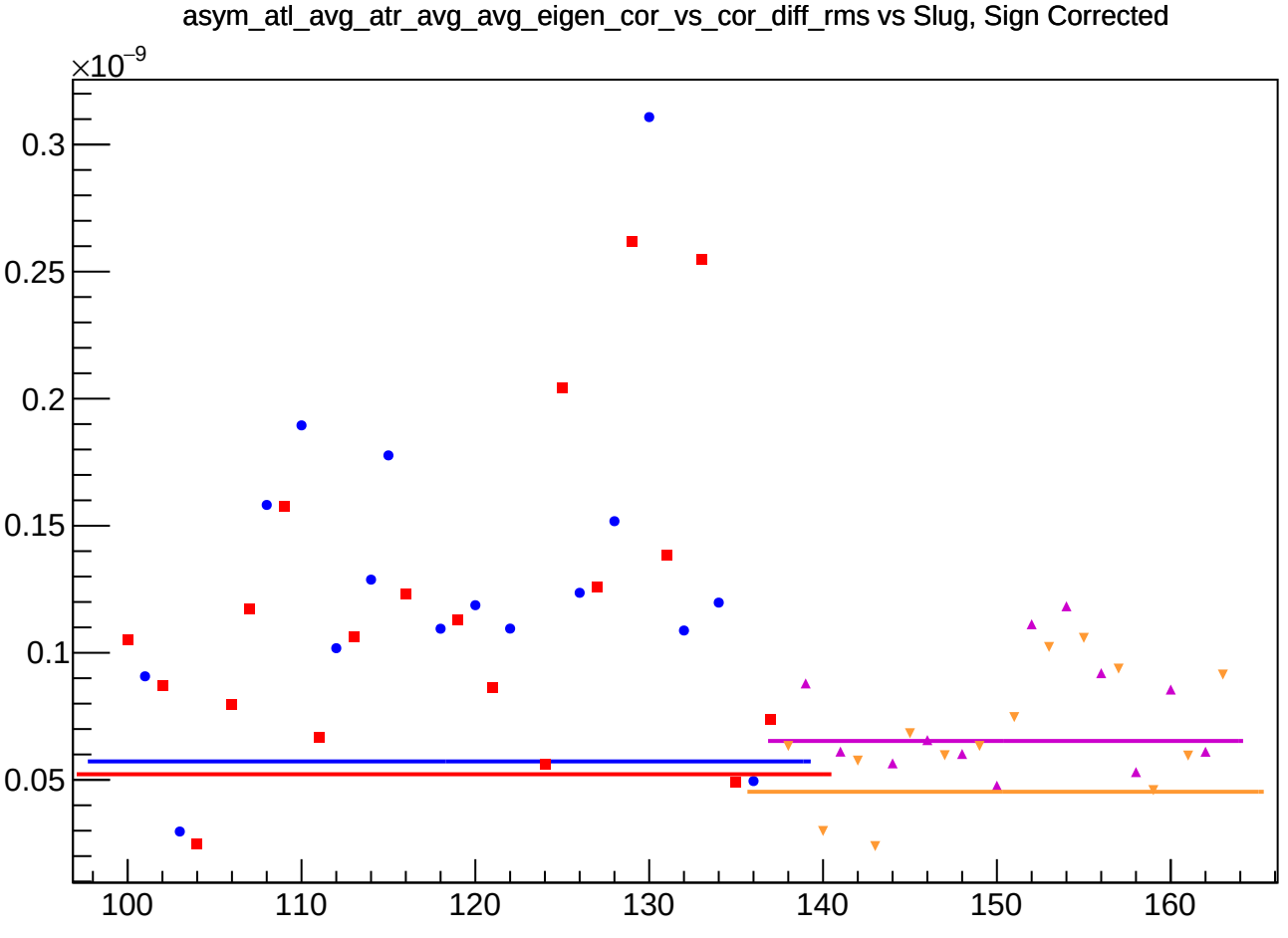
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 213.026+/-0.040 χ^2/NDF:5184668.6/27

Out: 202.368+/-0.039 χ^2/NDF:8589327.6/32

All: 207.607+/-0.028 χ^2/NDF: 13810627.1/60


asym_atl_avg_atr_avg_avg_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
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: 0.000+/-0.000 χ²/NDF:8.3/13
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:15.6/11
Left: -0.000+/-0.000 χ²/NDF: 25.5/25
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:32.0/27
Out: 0.000+/-0.000 χ²/NDF:27.4/32
All: -0.000+/-0.000 χ²/NDF: 60.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2990652.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:985825.5/11

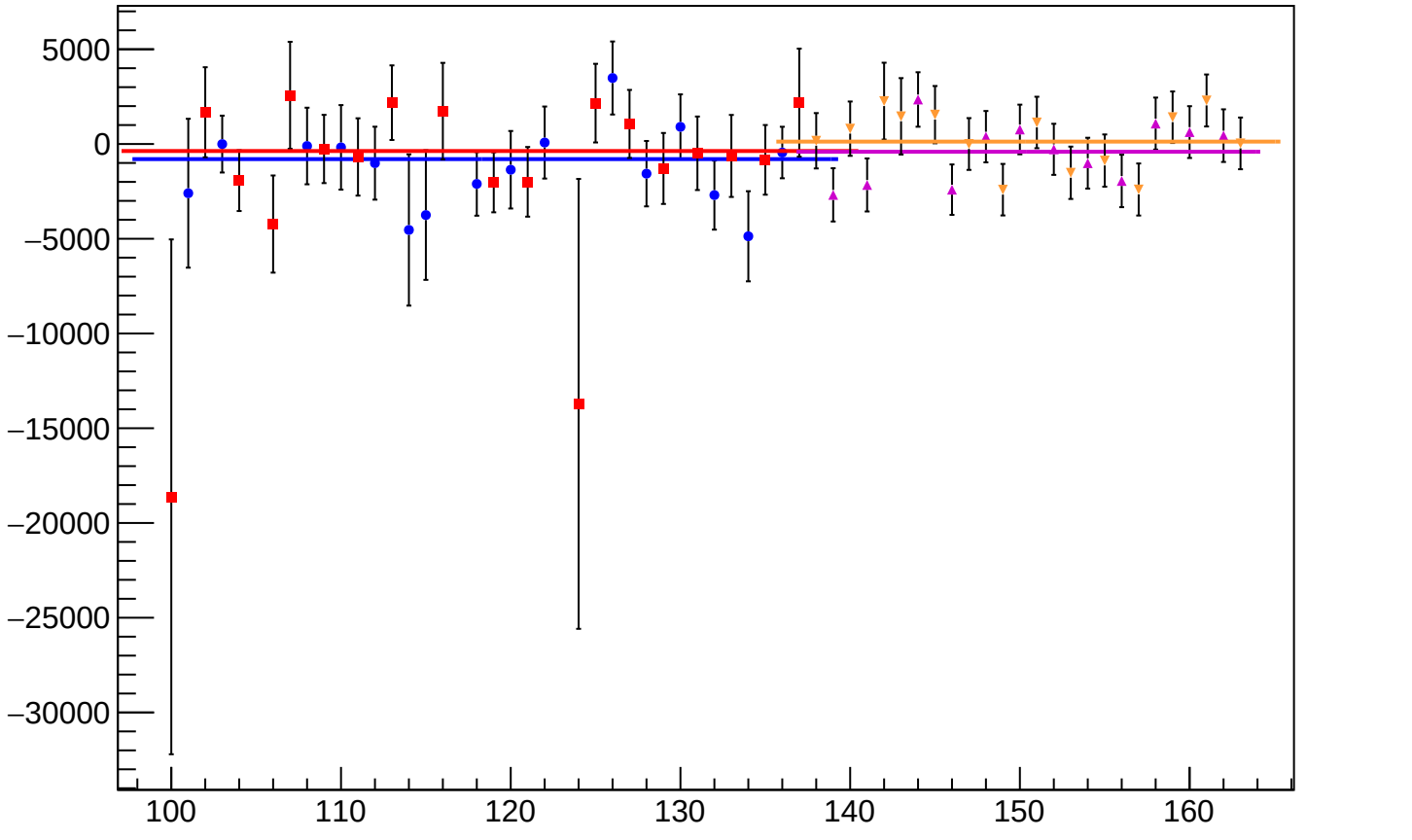
Left: 0.000+/-0.000 χ^2/NDF: 4765607.0/25

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4043613.8/27

Out: 0.000+/-0.000 χ^2/NDF:6348566.9/32

All: 0.000+/-0.000 χ^2/NDF: 11073353.6/60



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -409.673+/-395.121 χ^2/NDF:14.9/11

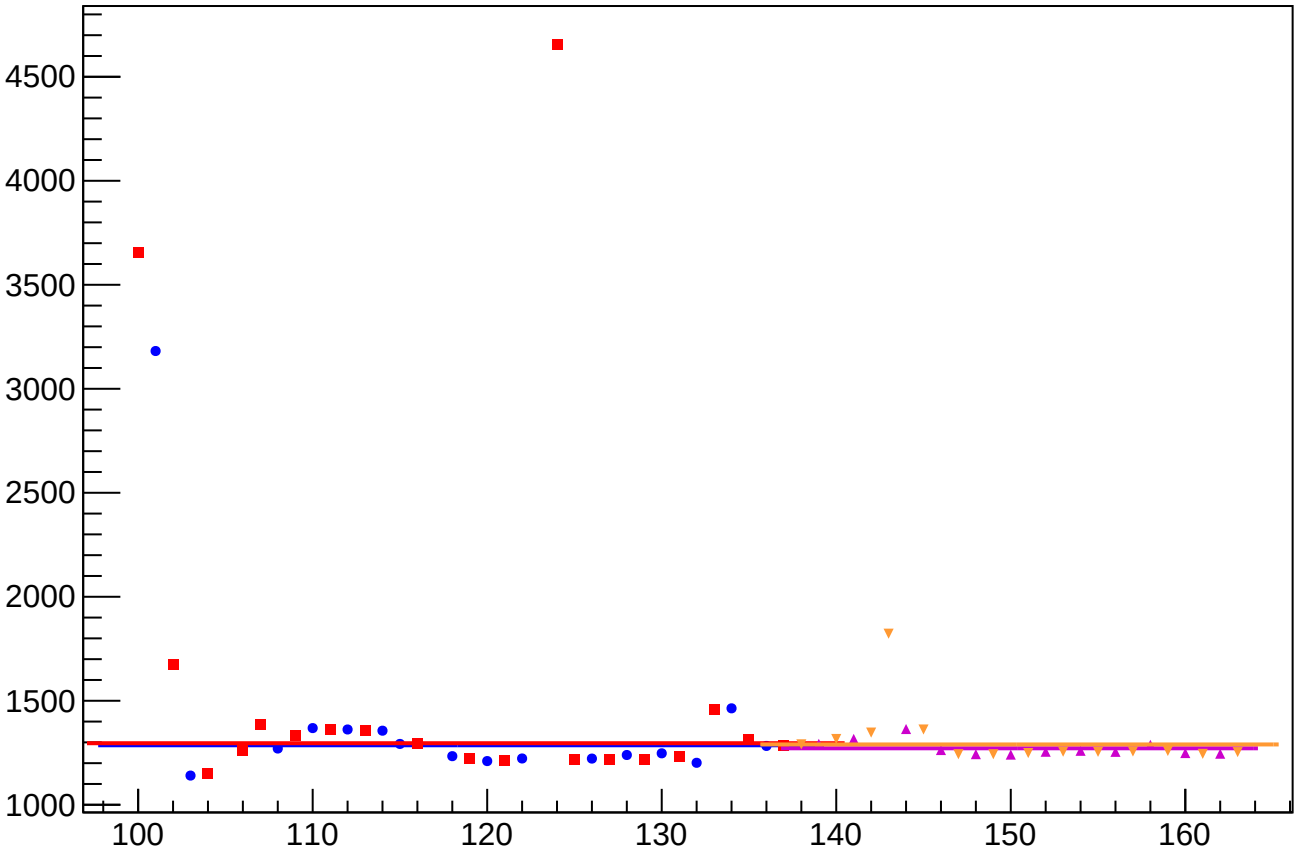
Left: -135.595+/-276.327 χ^2/NDF: 31.2/25

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -563.367+/-306.947 χ^2/NDF:28.7/27

Out: -65.831+/-302.503 χ^2/NDF:31.7/32

All: -310.972+/-215.456 χ^2/NDF: 61.7/60



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

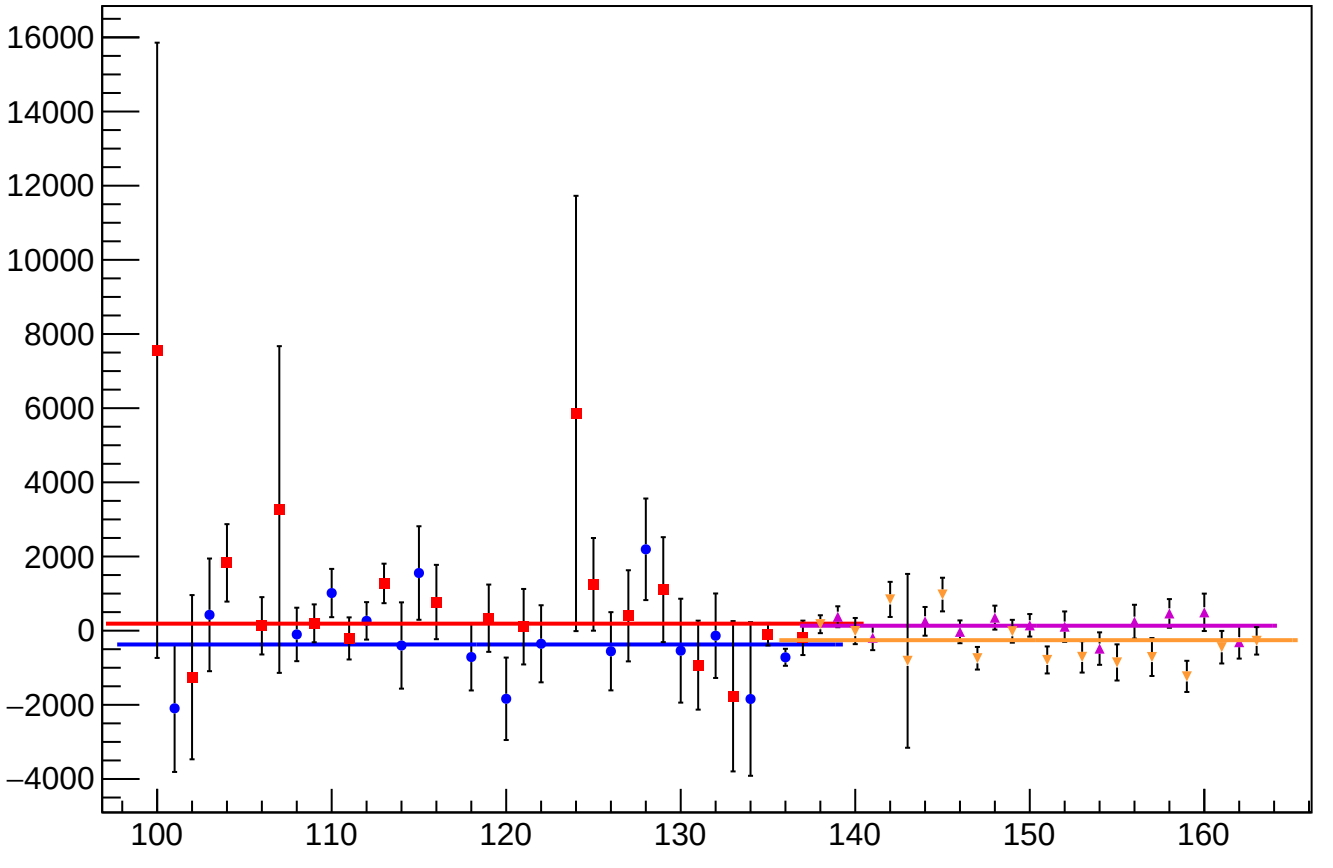
Left: 1280.964+/-0.195 χ^2/NDF: 178716.1/25

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1277.294+/-0.217 χ^2/NDF:534403.1/27

Out: 1292.313+/-0.214 χ^2/NDF:489531.6/32

All: 1284.913+/-0.152 χ^2/NDF: 1026364.0/60



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -256.427+/-102.449 χ^2/NDF:30.8/13

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 133.107+/-104.958 χ^2/NDF:6.8/11

Left: -66.372+/-73.313 χ^2/NDF: 44.6/25

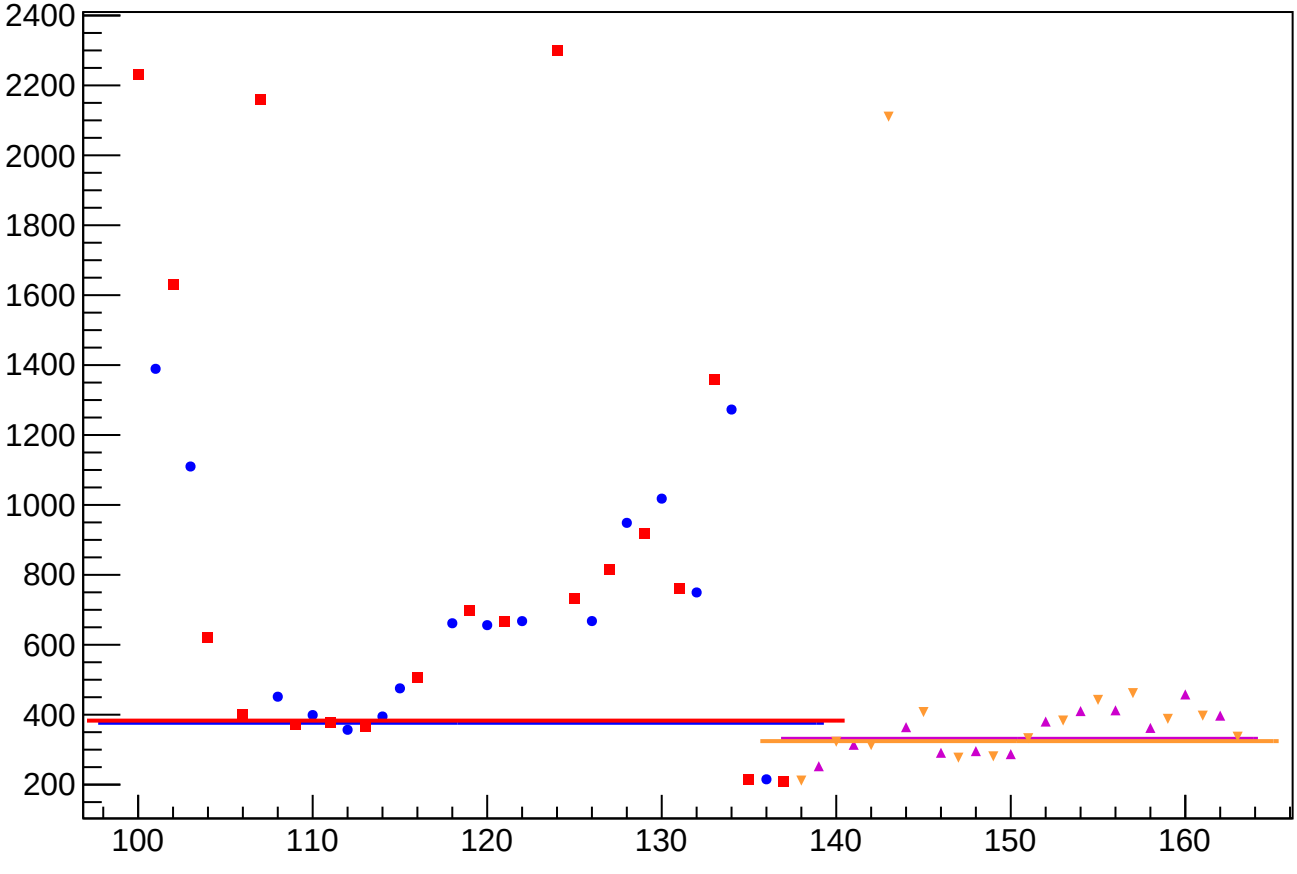
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -8.539+/-89.044 χ^2/NDF:31.4/27

Out: -137.336+/-87.688 χ^2/NDF:50.5/32

All: -73.926+/-62.479 χ^2/NDF: 83.0/60

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 324.425+/-0.072 χ^2/NDF:2158928.8/13

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.002+/-0.074 χ^2/NDF:615995.3/11

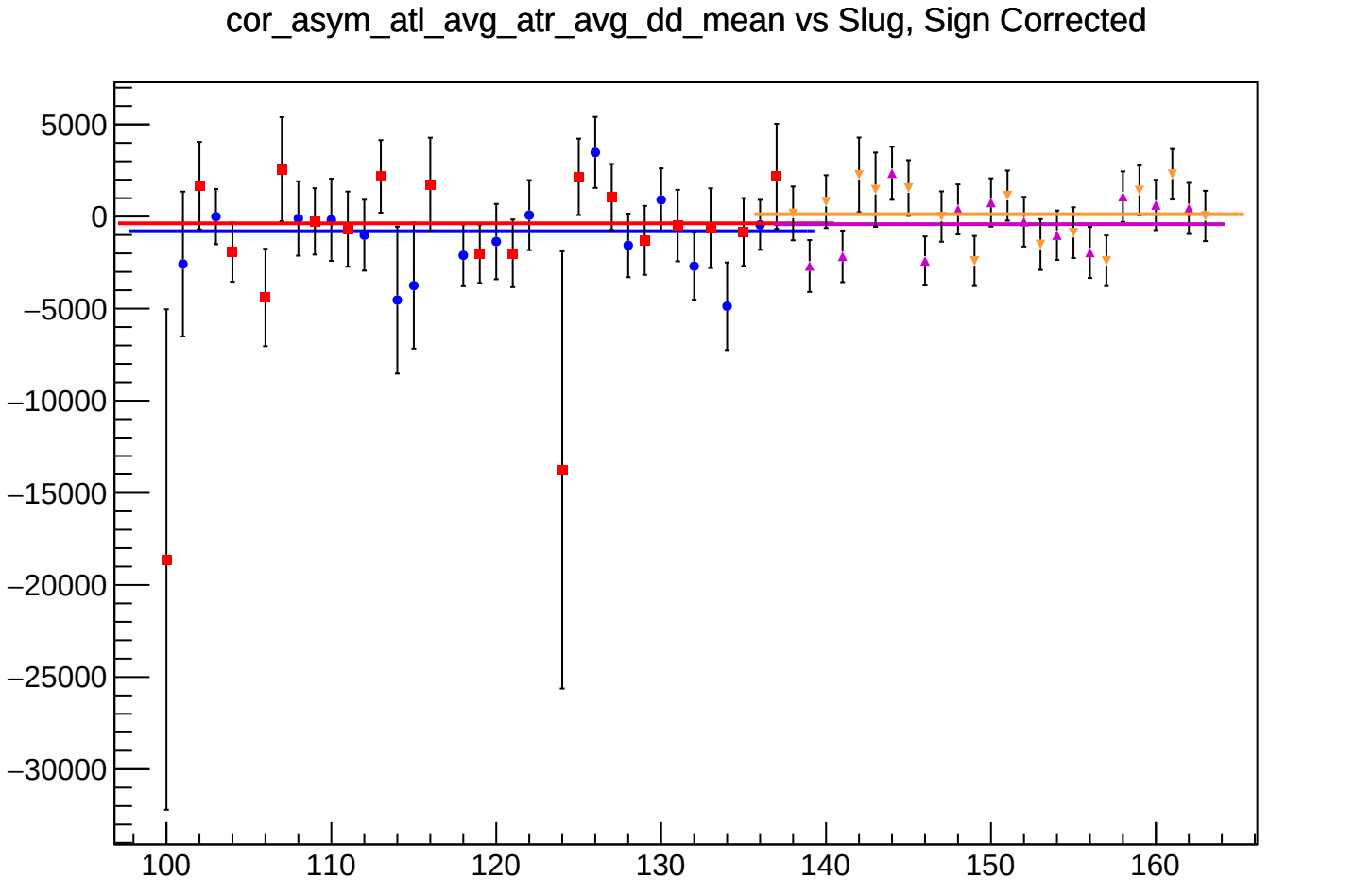
Left: 327.634+/-0.052 χ^2/NDF: 2778944.9/25

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 343.862+/-0.063 χ^2/NDF:4913340.9/27

Out: 340.108+/-0.062 χ^2/NDF:6388312.0/32

All: 341.956+/-0.044 χ^2/NDF: 11303458.3/60



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -409.657+/-395.121 χ^2/NDF:14.9/11

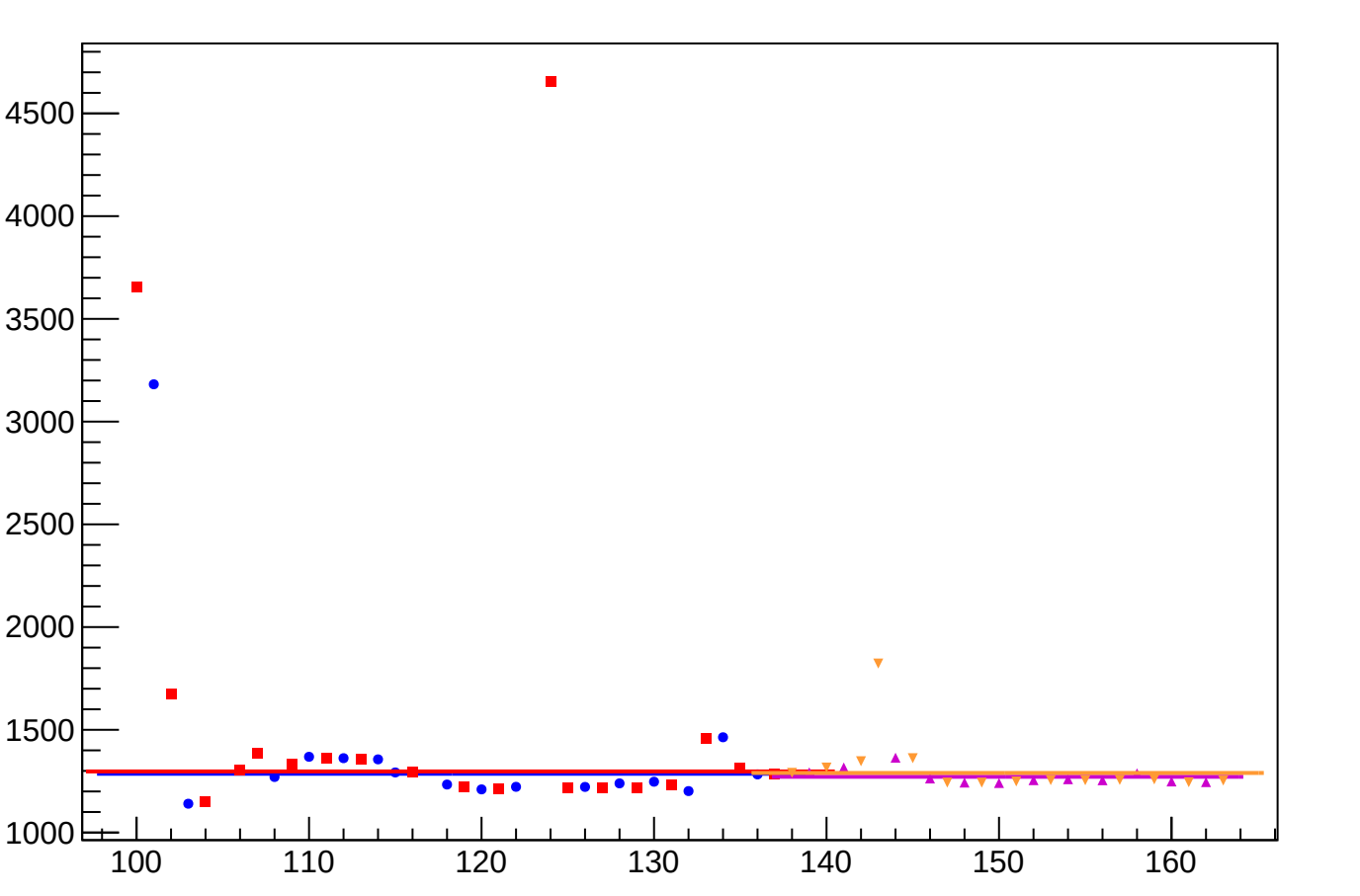
Left: -135.554+/-276.327 χ^2/NDF: 31.2/25

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

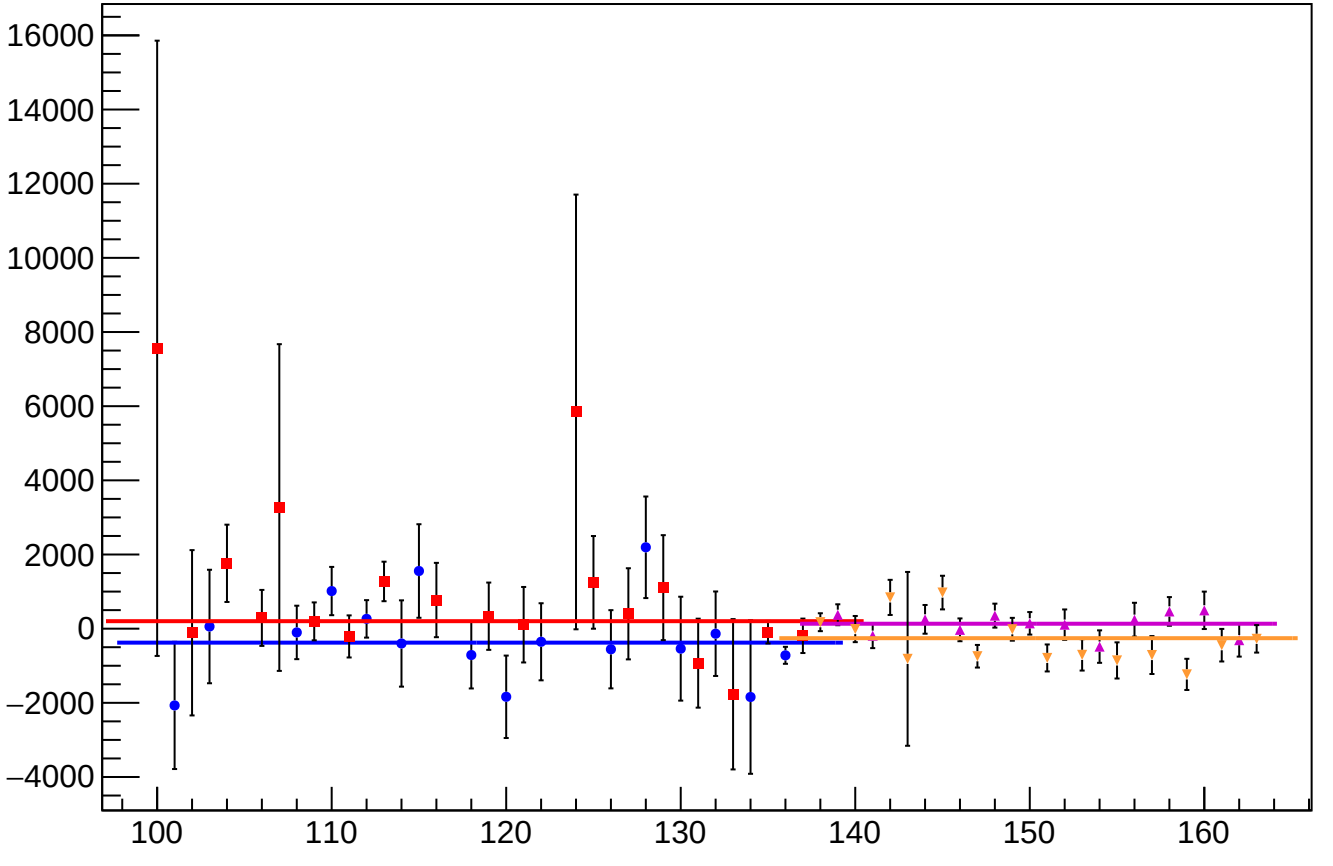
In: -563.198+/-306.947 χ^2/NDF:28.6/27

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -310.345+/-215.502 χ^2/NDF: 61.7/60


cor_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1286.097+/-0.345 χ²/NDF: 518128.4/15
Left Out: 1290.015+/-0.273 χ²/NDF:161279.4/13
Right Out: 1297.394+/-0.344 χ²/NDF: 327741.7/18
Left In: 1271.510+/-0.279 χ²/NDF:15195.3/11
Left: 1280.964+/-0.195 χ²/NDF: 178716.1/25
Right: 1291.758+/-0.243 χ²/NDF: 846408.4/34
In: 1277.294+/-0.217 χ²/NDF:534404.5/27
Out: 1292.872+/-0.214 χ²/NDF:489303.2/32
All: 1285.193+/-0.152 χ²/NDF: 1026320.1/60

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 133.126+/-104.958 χ^2/NDF:6.8/11

Left: -66.357+/-73.314 χ^2/NDF: 44.6/25

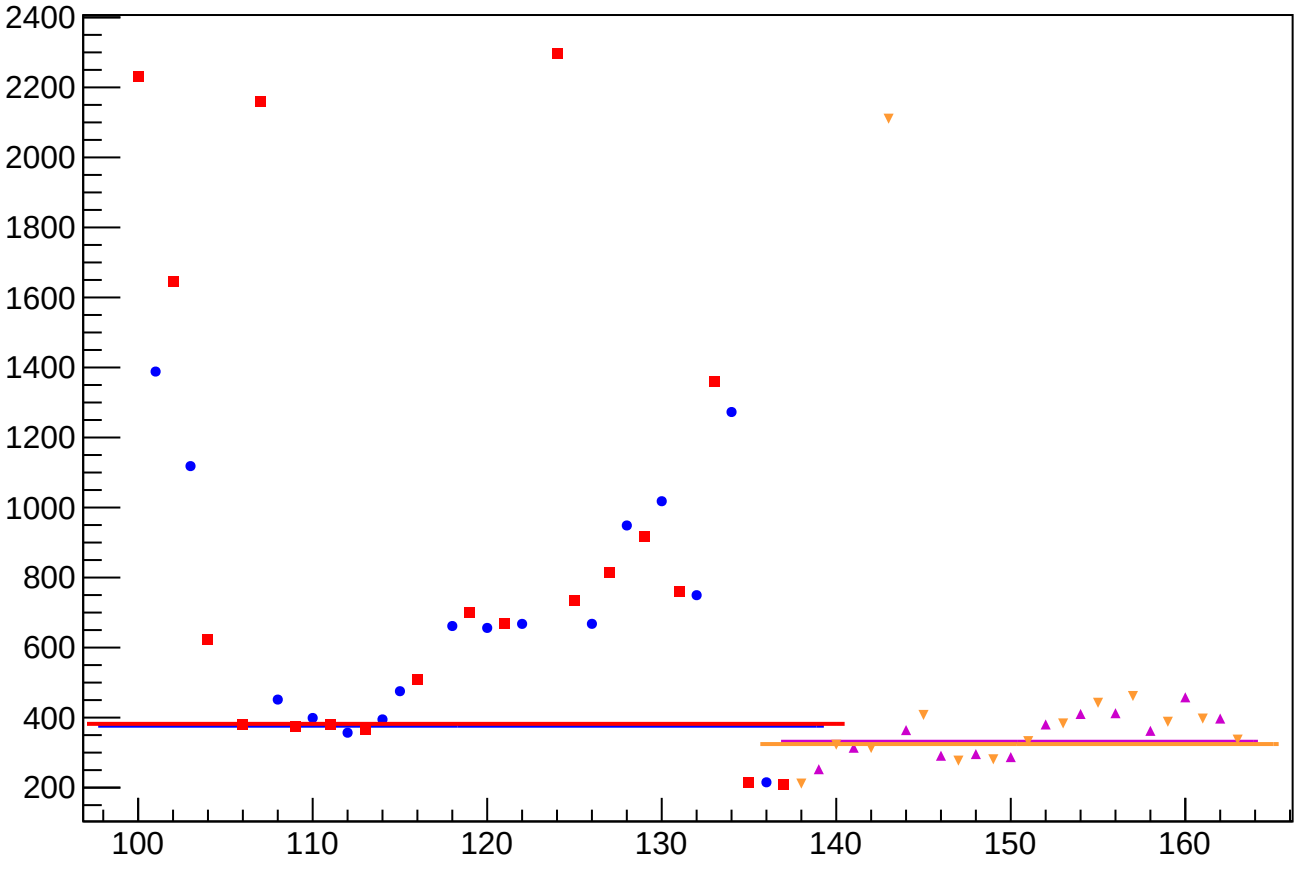
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -9.747+/-89.047 χ^2/NDF:31.3/27

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -72.640+/-62.470 χ^2/NDF: 82.5/60

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

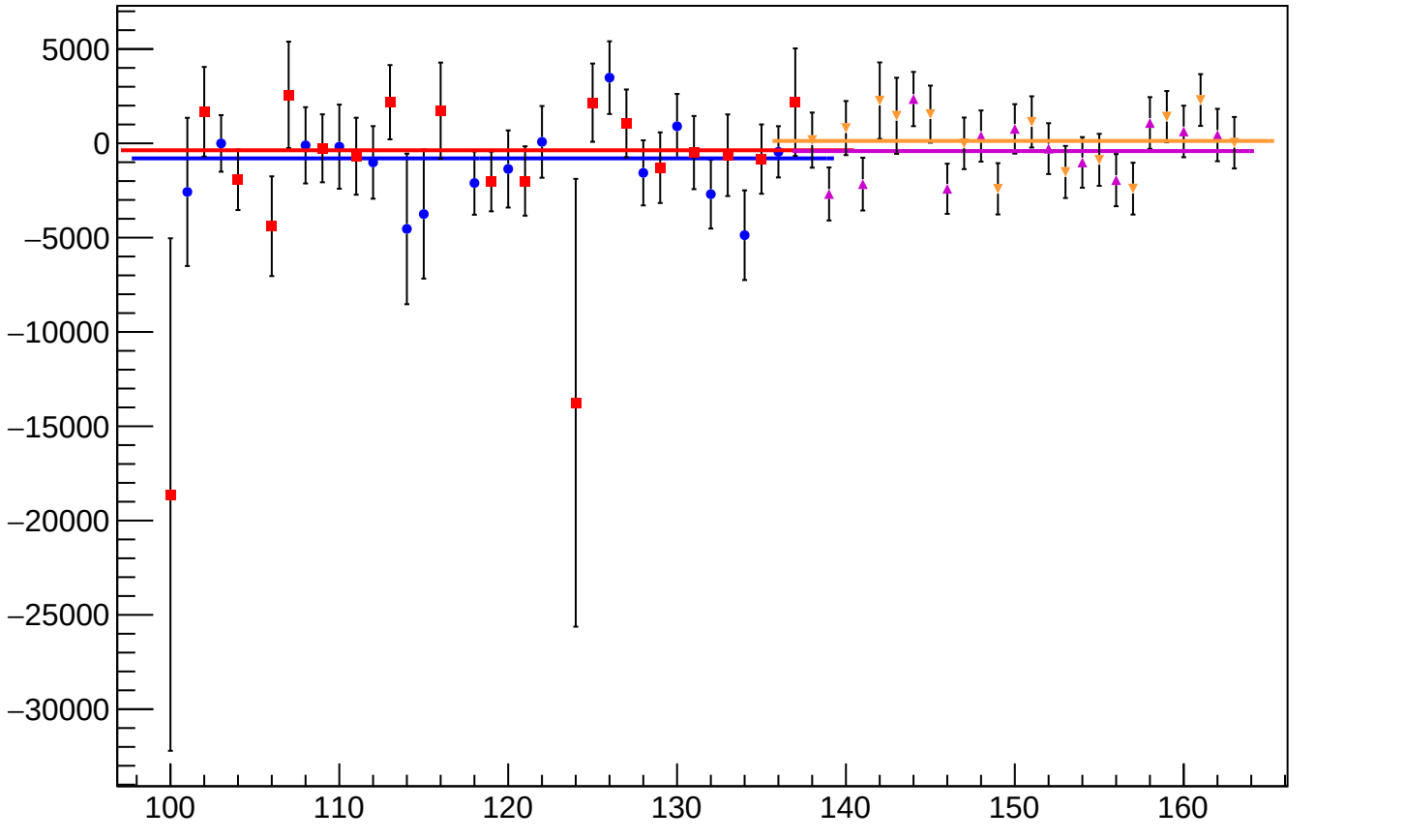
Left: 327.638+/-0.052 χ^2/NDF: 2778922.9/25

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 343.857+/-0.063 χ^2/NDF:4916520.3/27

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -409.657+/-395.121 χ^2/NDF:14.9/11

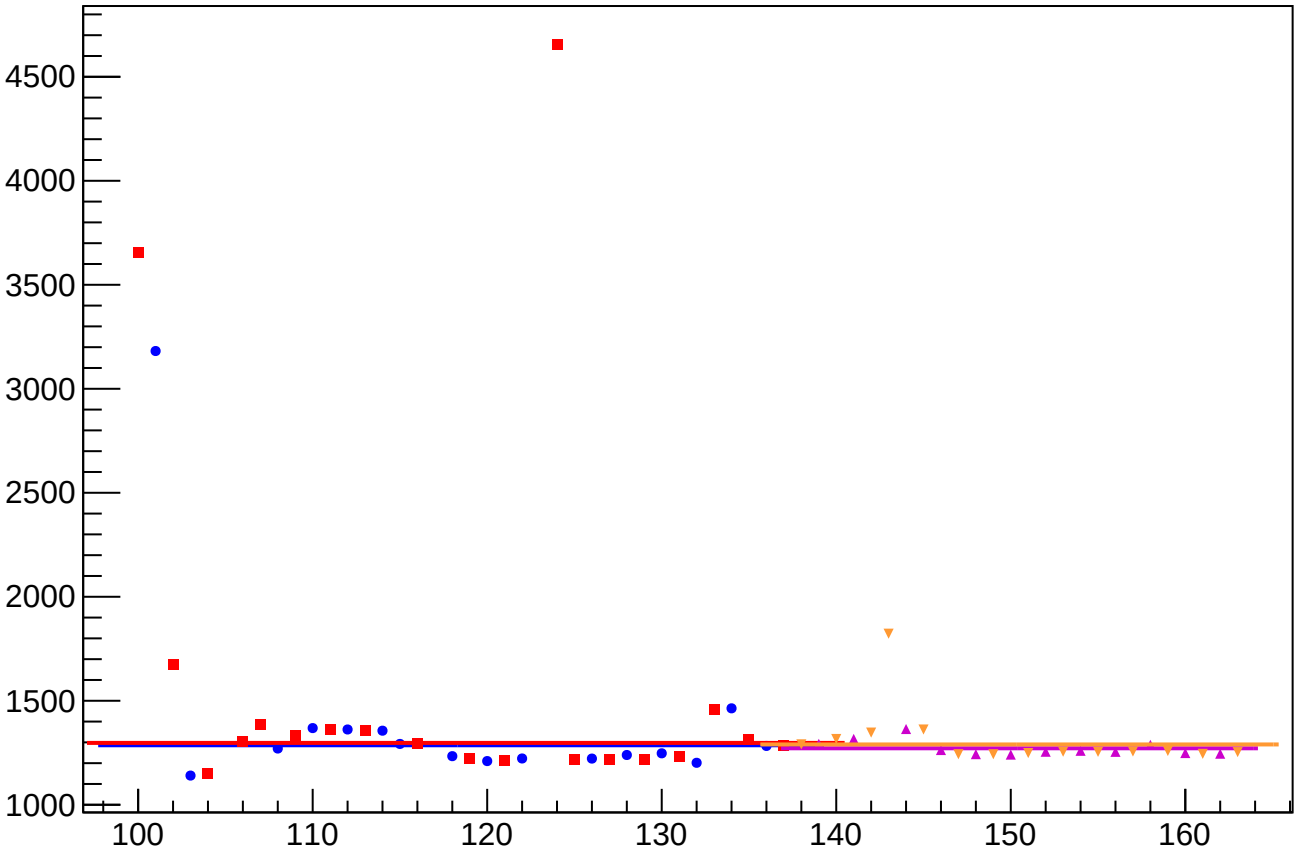
Left: -135.554+/-276.327 χ^2/NDF: 31.2/25

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -563.198+/-306.947 χ^2/NDF:28.6/27

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -310.345+/-215.502 χ^2/NDF: 61.7/60



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

Left: 1280.964+/-0.195 χ^2/NDF: 178716.1/25

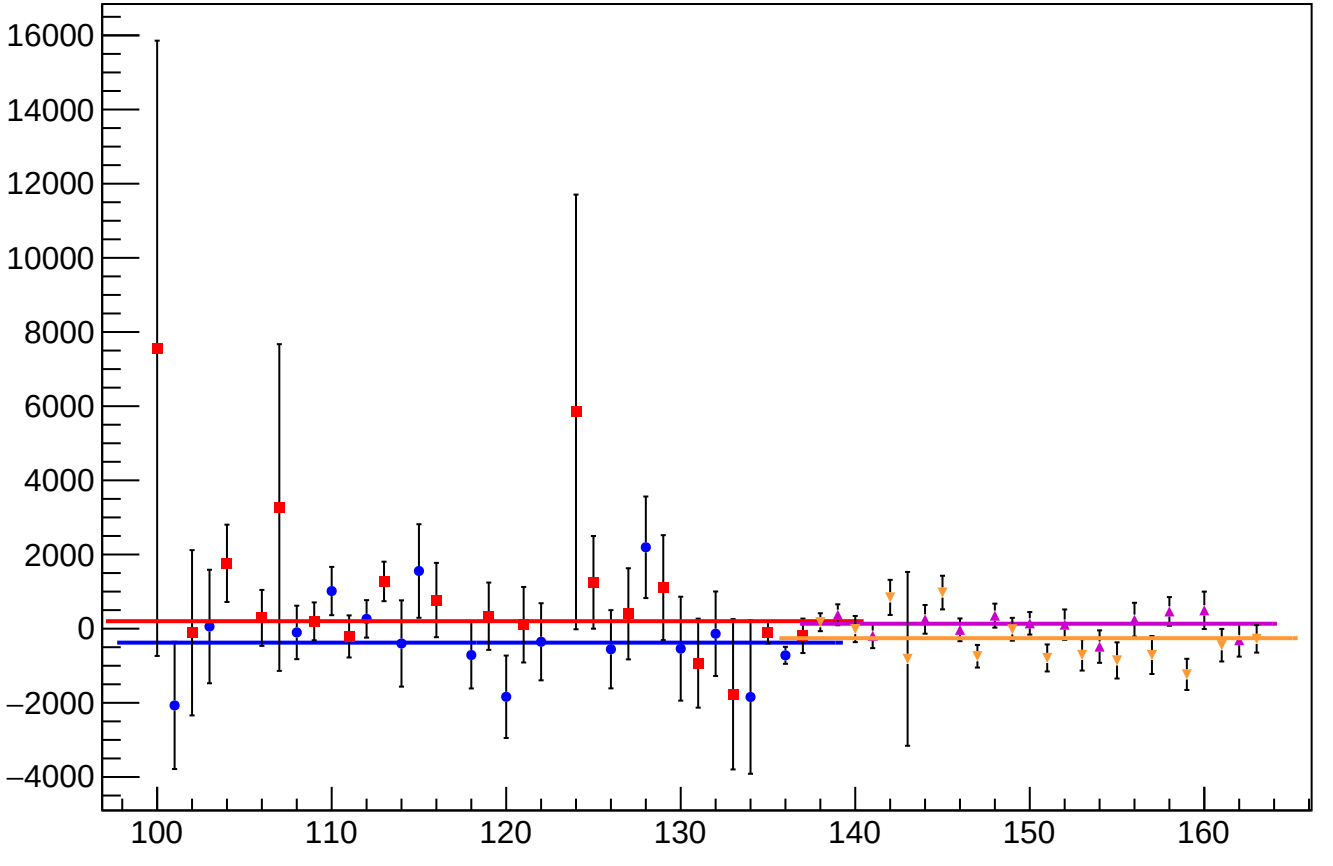
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1277.294+/-0.217 χ^2/NDF:534404.5/27

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 133.126+/-104.958 χ^2/NDF:6.8/11

Left: -66.357+/-73.314 χ^2/NDF: 44.6/25

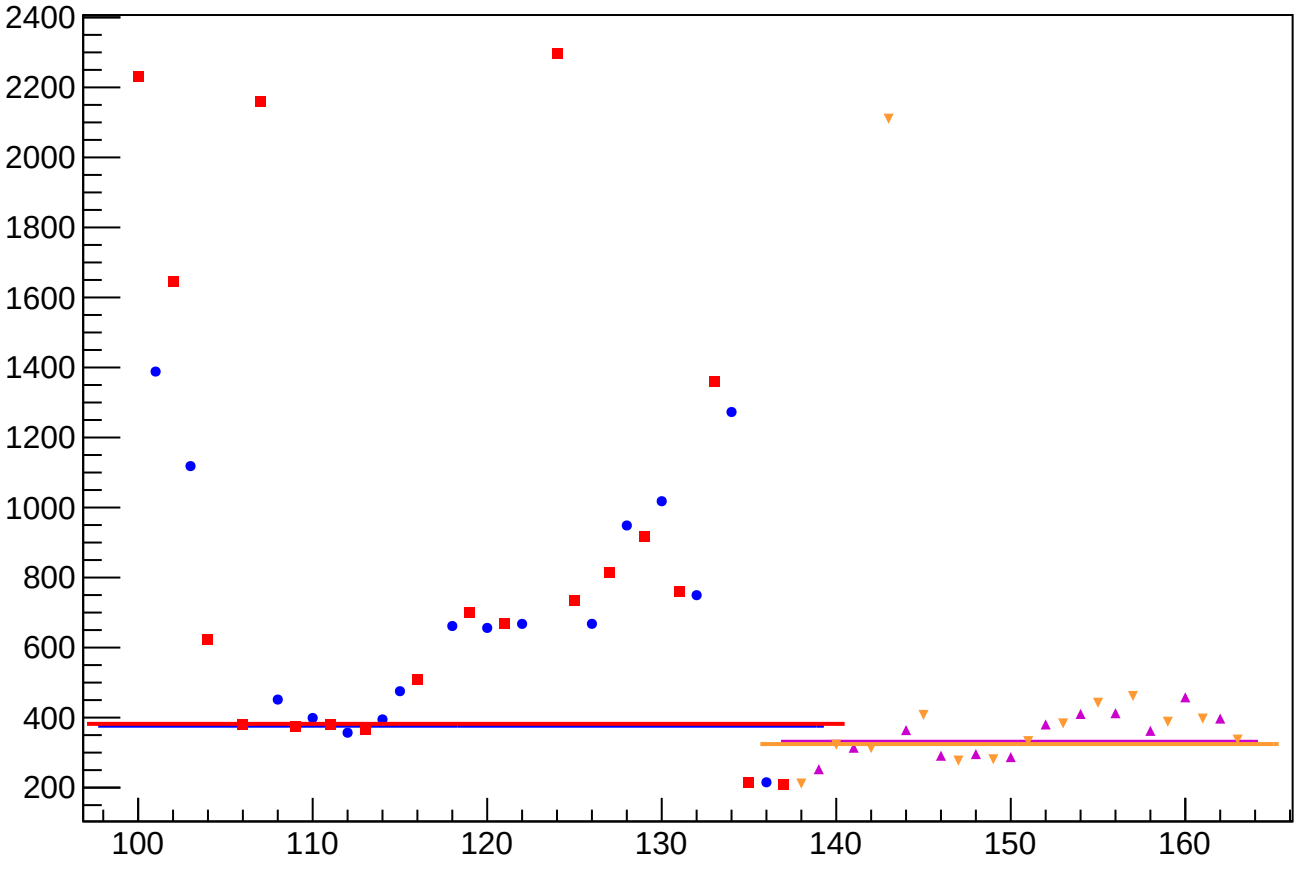
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -9.747+/-89.047 χ^2/NDF:31.3/27

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -72.640+/-62.470 χ^2/NDF: 82.5/60

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

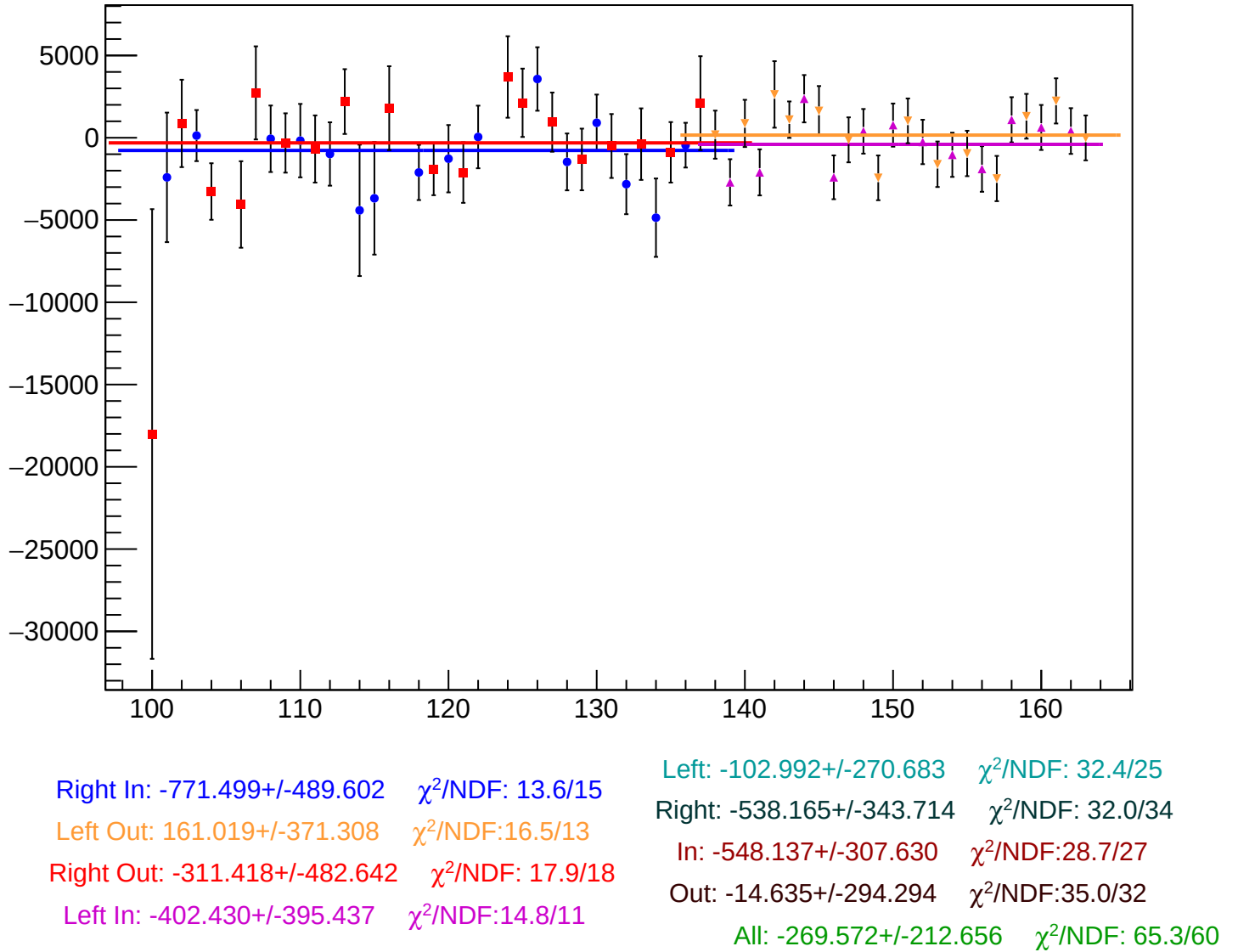
Left: 327.638+/-0.052 χ^2/NDF: 2778922.9/25

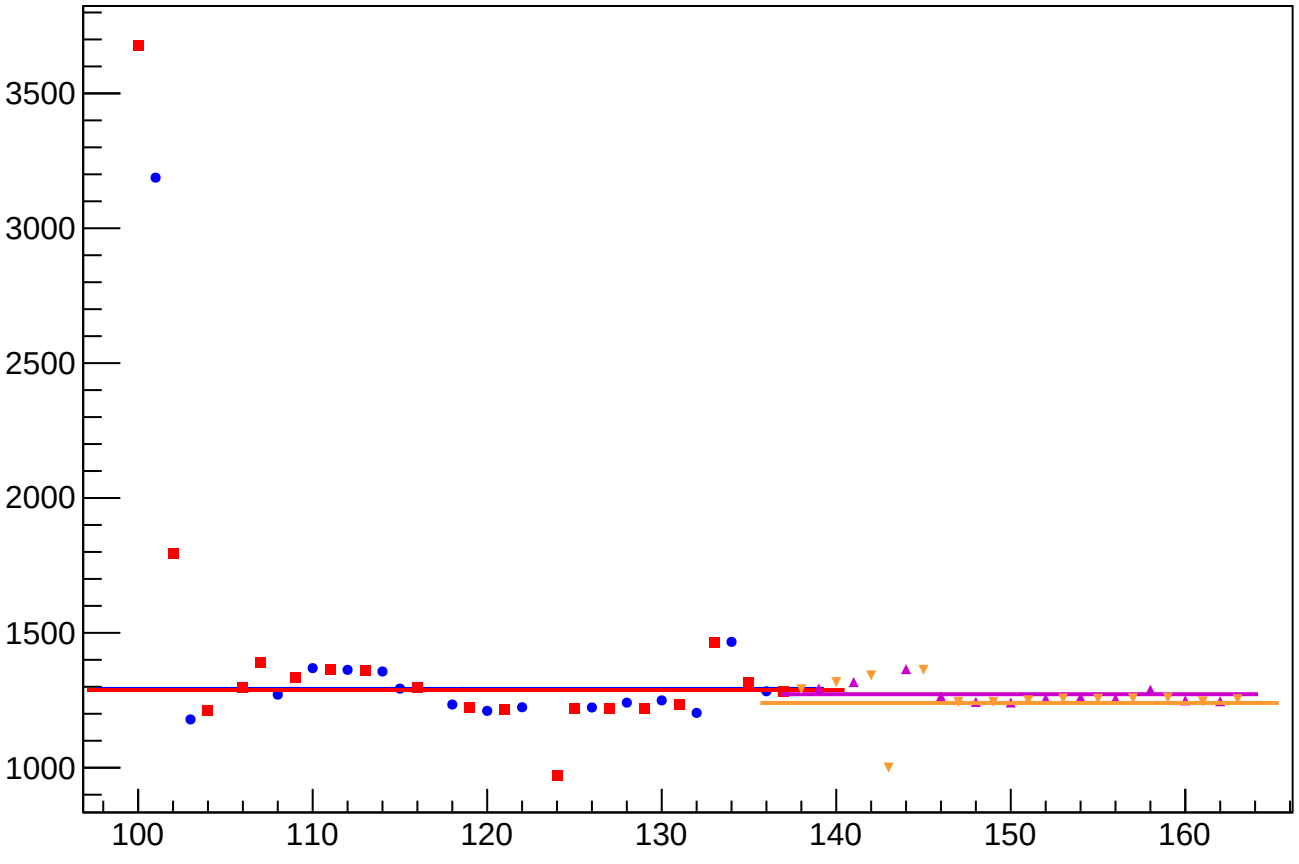
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 343.857+/-0.063 χ^2/NDF:4916520.3/27

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.019+/-371.308 χ²/NDF:16.5/13
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -402.430+/-395.437 χ²/NDF:14.8/11
Left: -102.992+/-270.683 χ²/NDF: 32.4/25
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -548.137+/-307.630 χ²/NDF:28.7/27
Out: -14.635+/-294.294 χ²/NDF:35.0/32
All: -269.572+/-212.656 χ²/NDF: 65.3/60



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121918.0/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

Left: 1255.287+/-0.191 χ^2/NDF: 144341.1/25

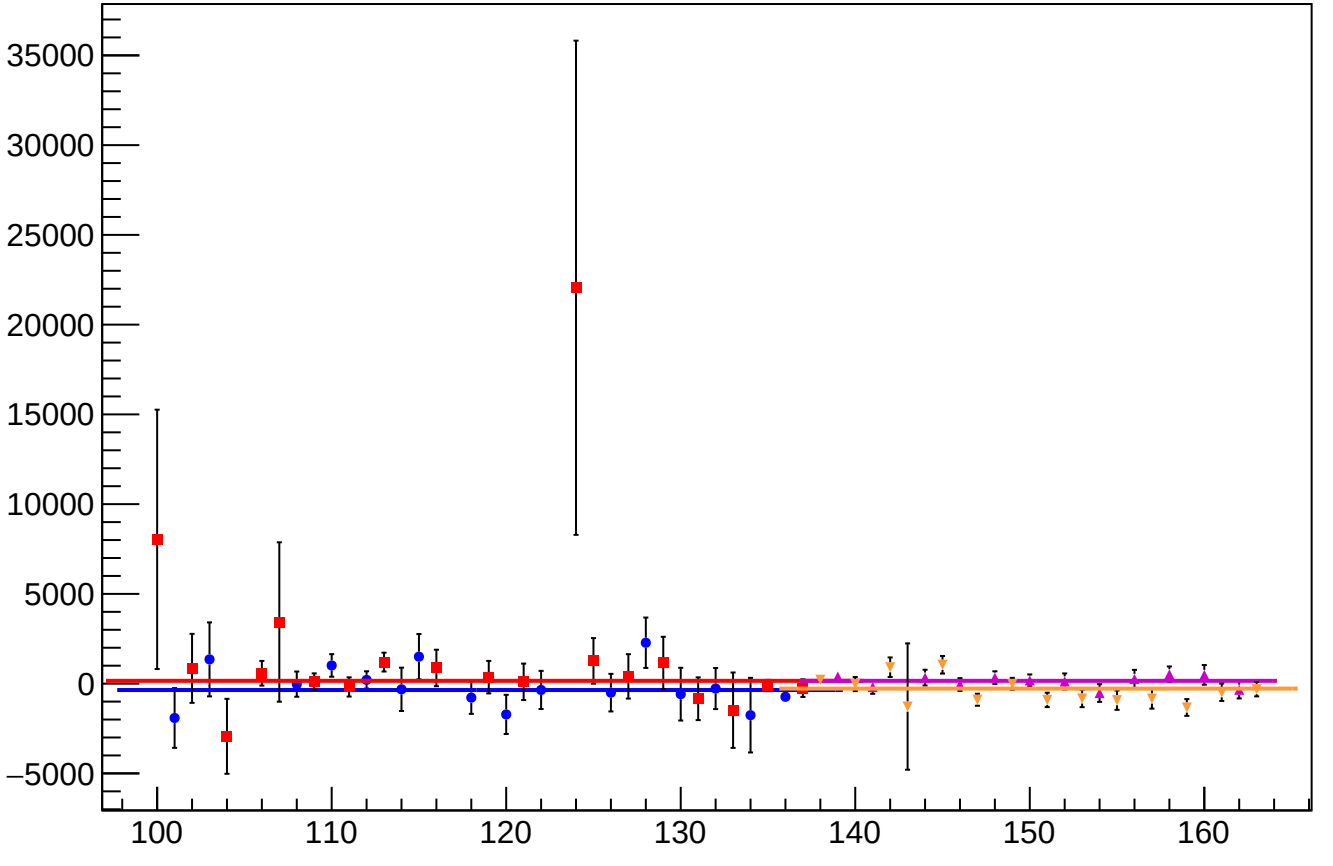
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1280.228+/-0.218 χ^2/NDF:526602.2/27

Out: 1257.899+/-0.208 χ^2/NDF:343501.1/32

All: 1268.569+/-0.150 χ^2/NDF: 875604.9/60

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -275.158+/-111.113 χ^2/NDF:32.2/13

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 156.826+/-114.479 χ^2/NDF:6.4/11

Left: -65.608+/-79.732 χ^2/NDF: 46.0/25

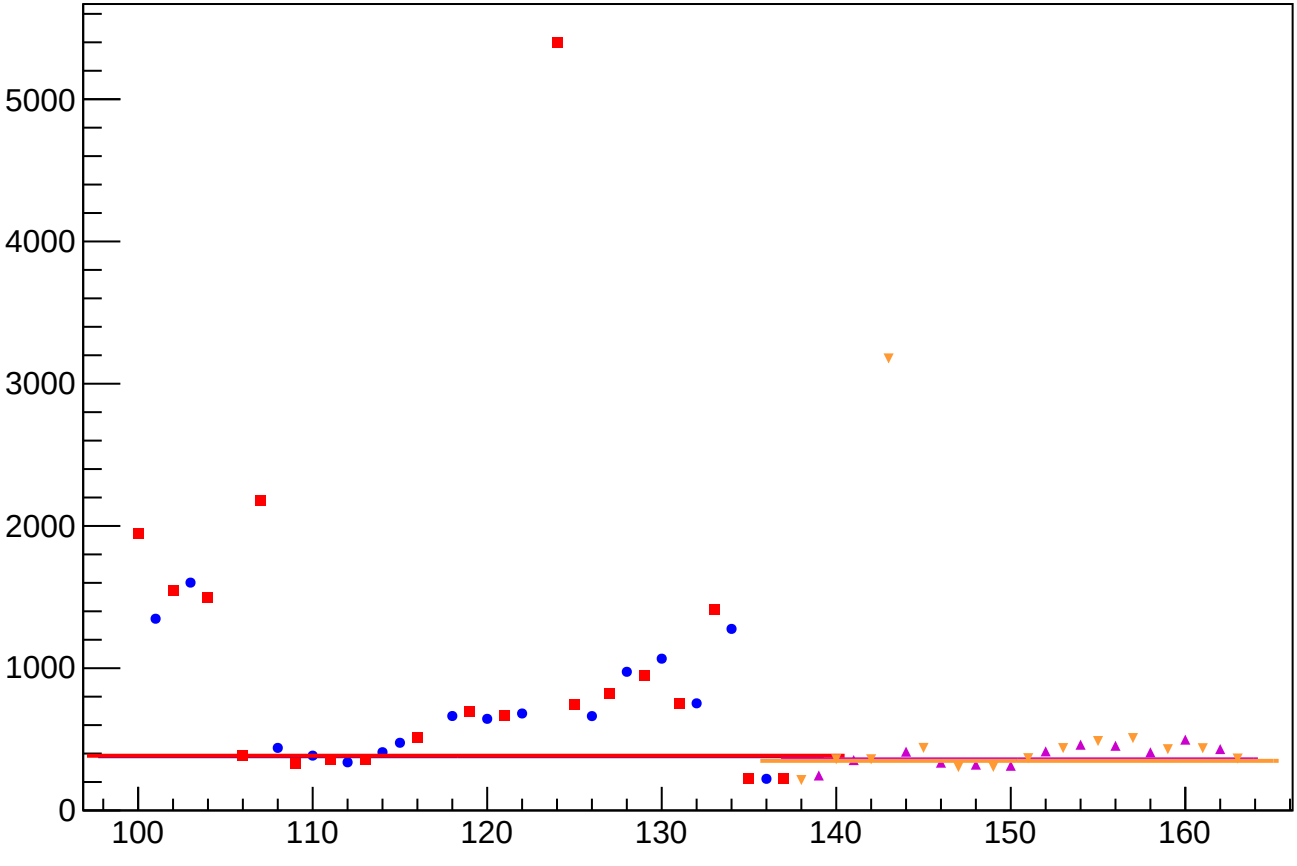
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.968+/-94.951 χ^2/NDF:31.1/27

Out: -145.165+/-92.954 χ^2/NDF:52.6/32

All: -75.578+/-66.423 χ^2/NDF: 84.9/60

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: 348.822+/-0.079 χ^2/NDF:2546282.1/13

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.195+/-0.081 χ^2/NDF:823635.3/11

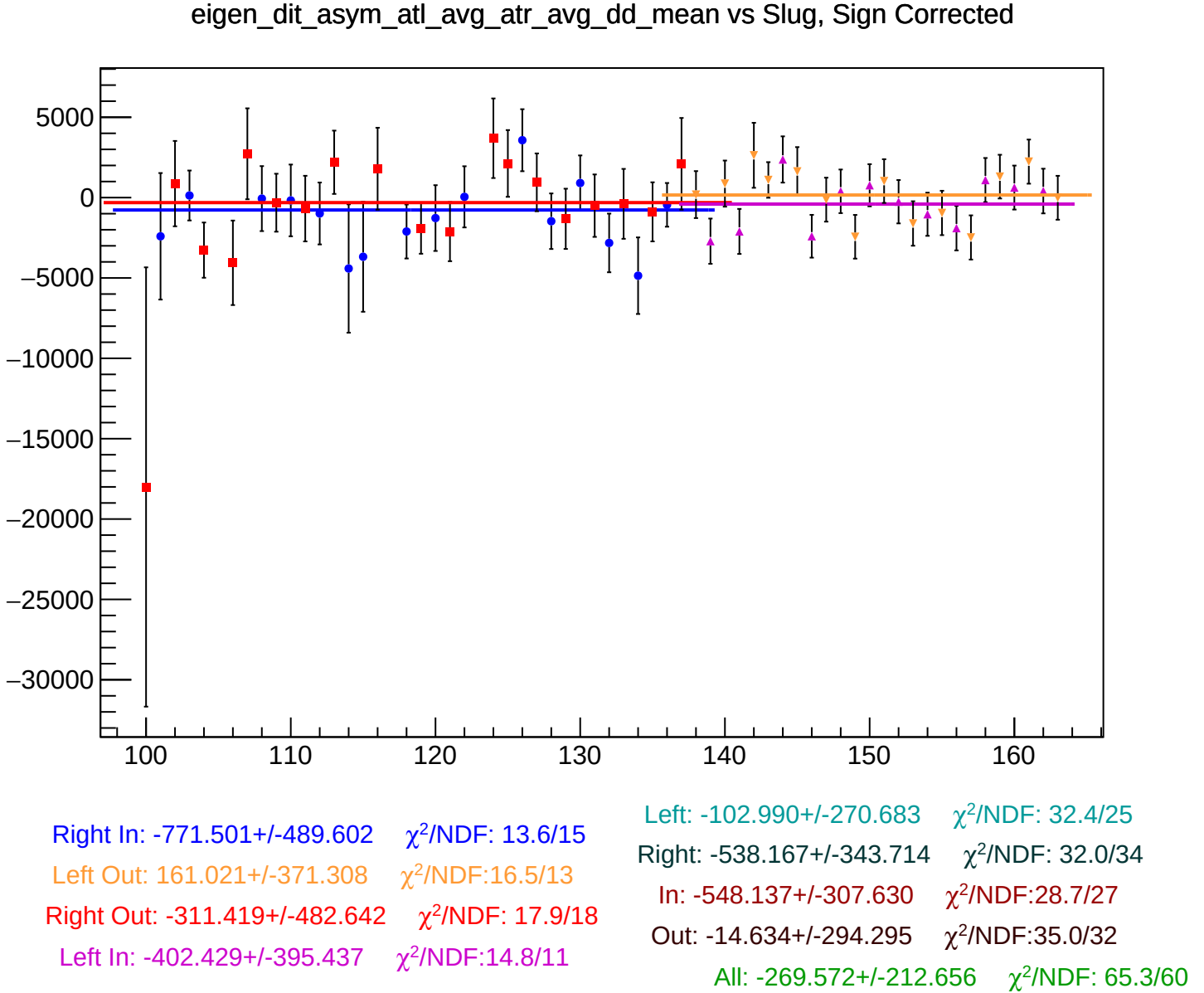
Left: 353.854+/-0.056 χ^2/NDF: 3378373.4/25

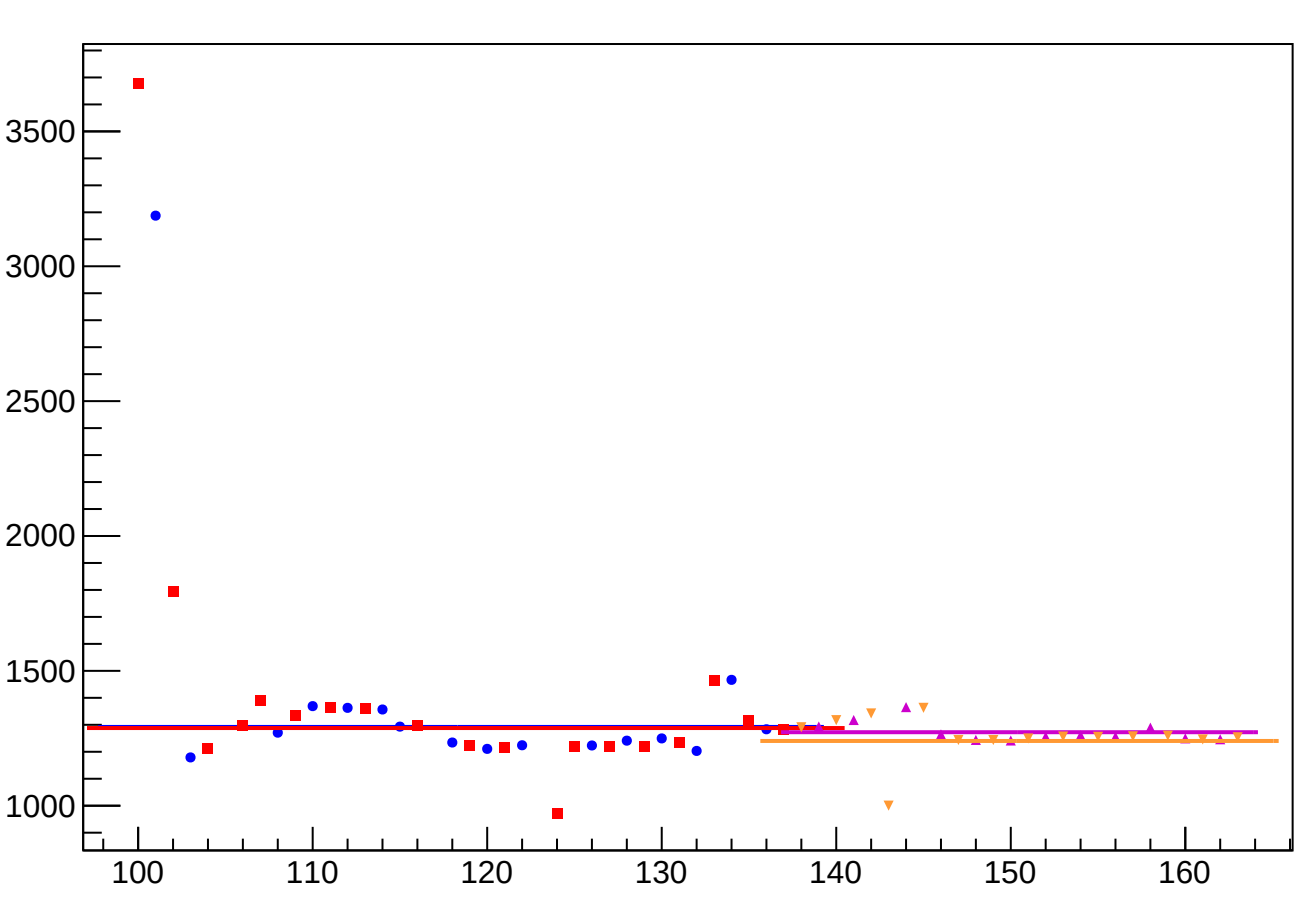
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 366.109+/-0.067 χ^2/NDF:5164931.0/27

Out: 359.576+/-0.066 χ^2/NDF:7168908.5/32

All: 362.773+/-0.047 χ^2/NDF: 12338673.6/60


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.021+/-371.308 χ²/NDF:16.5/13
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -402.429+/-395.437 χ²/NDF:14.8/11
Left: -102.990+/-270.683 χ²/NDF: 32.4/25
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -548.137+/-307.630 χ²/NDF:28.7/27
Out: -14.634+/-294.295 χ²/NDF:35.0/32
All: -269.572+/-212.656 χ²/NDF: 65.3/60



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121917.2/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

Left: 1255.287+/-0.191 χ^2/NDF: 144340.3/25

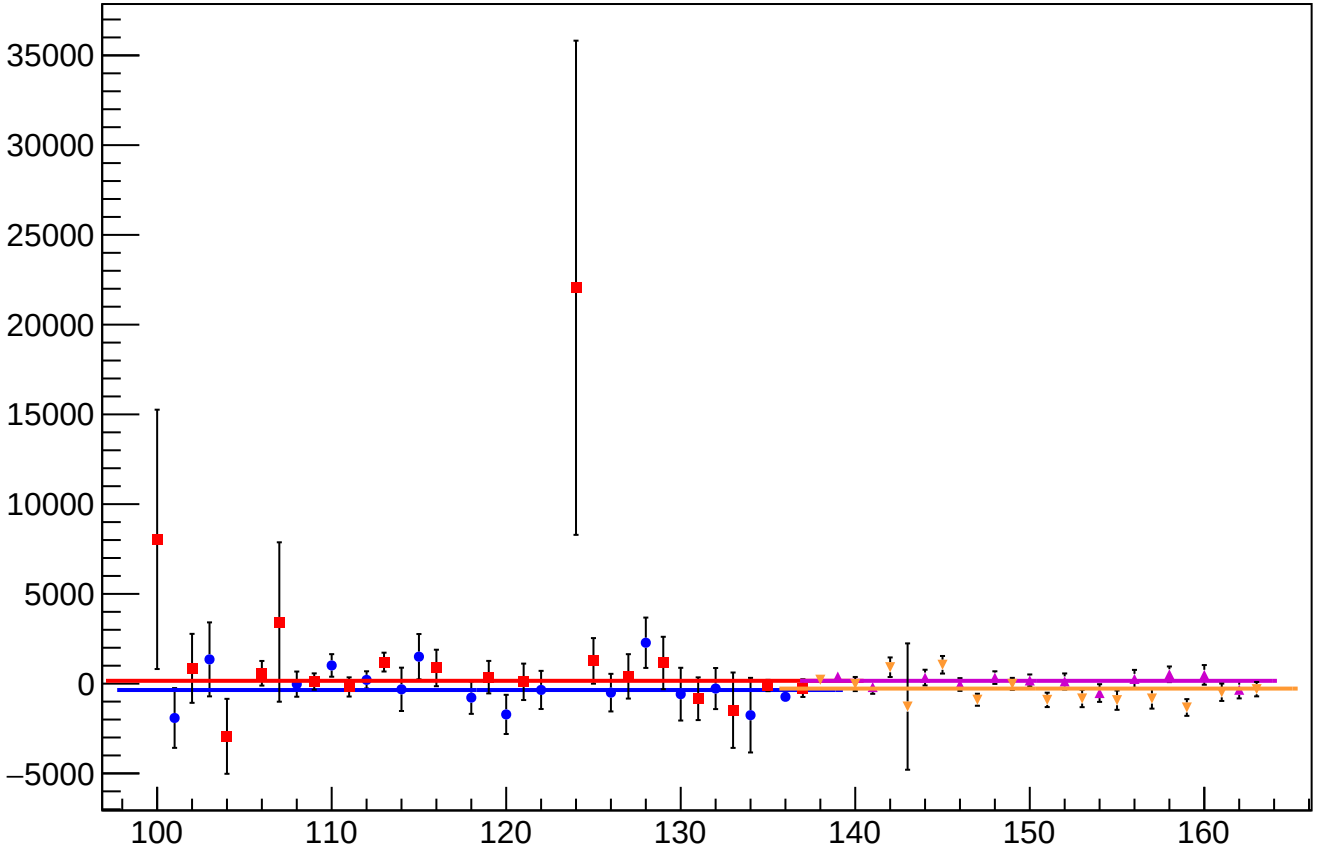
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1280.228+/-0.218 χ^2/NDF:526602.2/27

Out: 1257.899+/-0.208 χ^2/NDF:343500.5/32

All: 1268.569+/-0.150 χ^2/NDF: 875604.3/60

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: -275.168+/-111.115 χ^2/NDF:32.2/13

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 156.825+/-114.480 χ^2/NDF:6.4/11

Left: -65.614+/-79.733 χ^2/NDF: 46.0/25

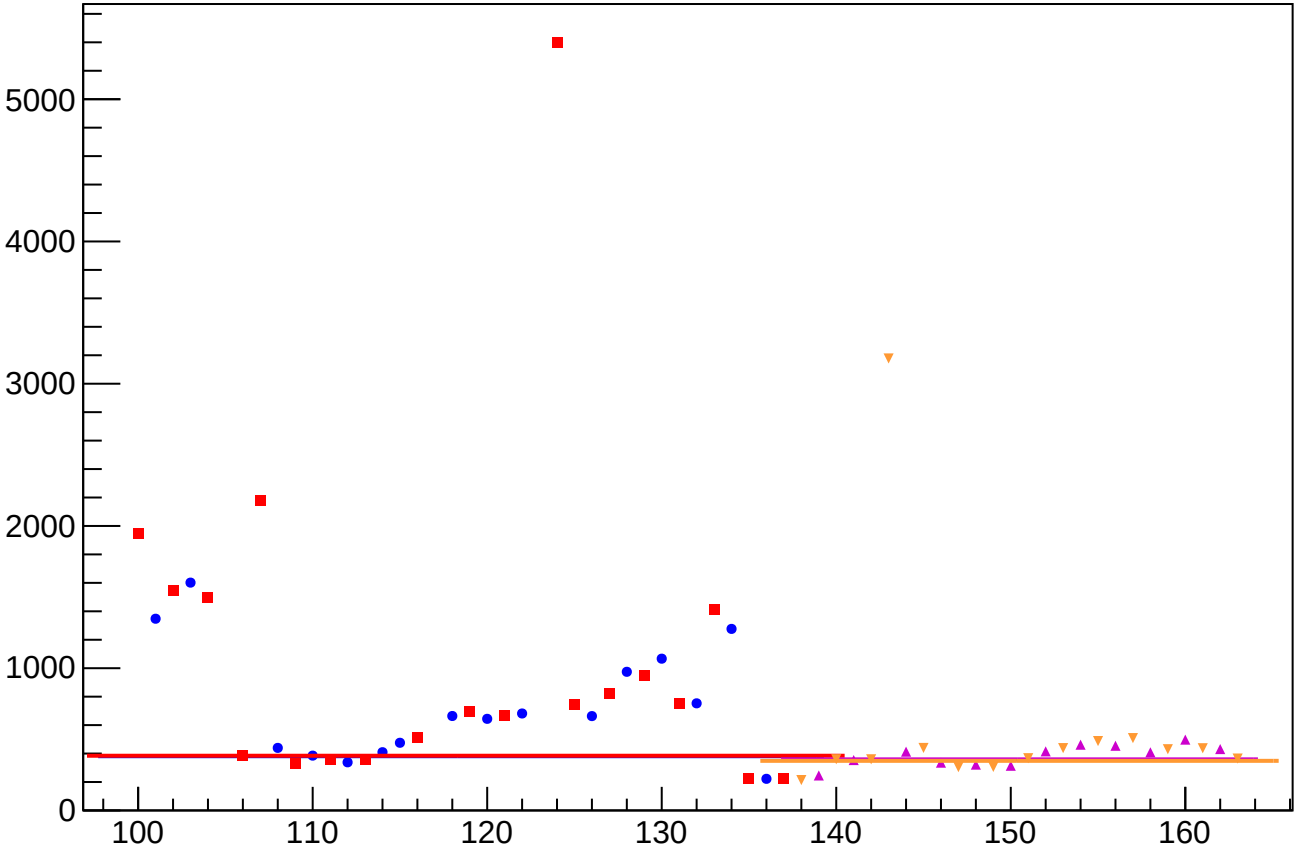
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.967+/-94.952 χ^2/NDF:31.1/27

Out: -145.171+/-92.955 χ^2/NDF:52.6/32

All: -75.580+/-66.424 χ^2/NDF: 84.9/60

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: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 359.200+/-0.081 χ^2/NDF:823525.4/11

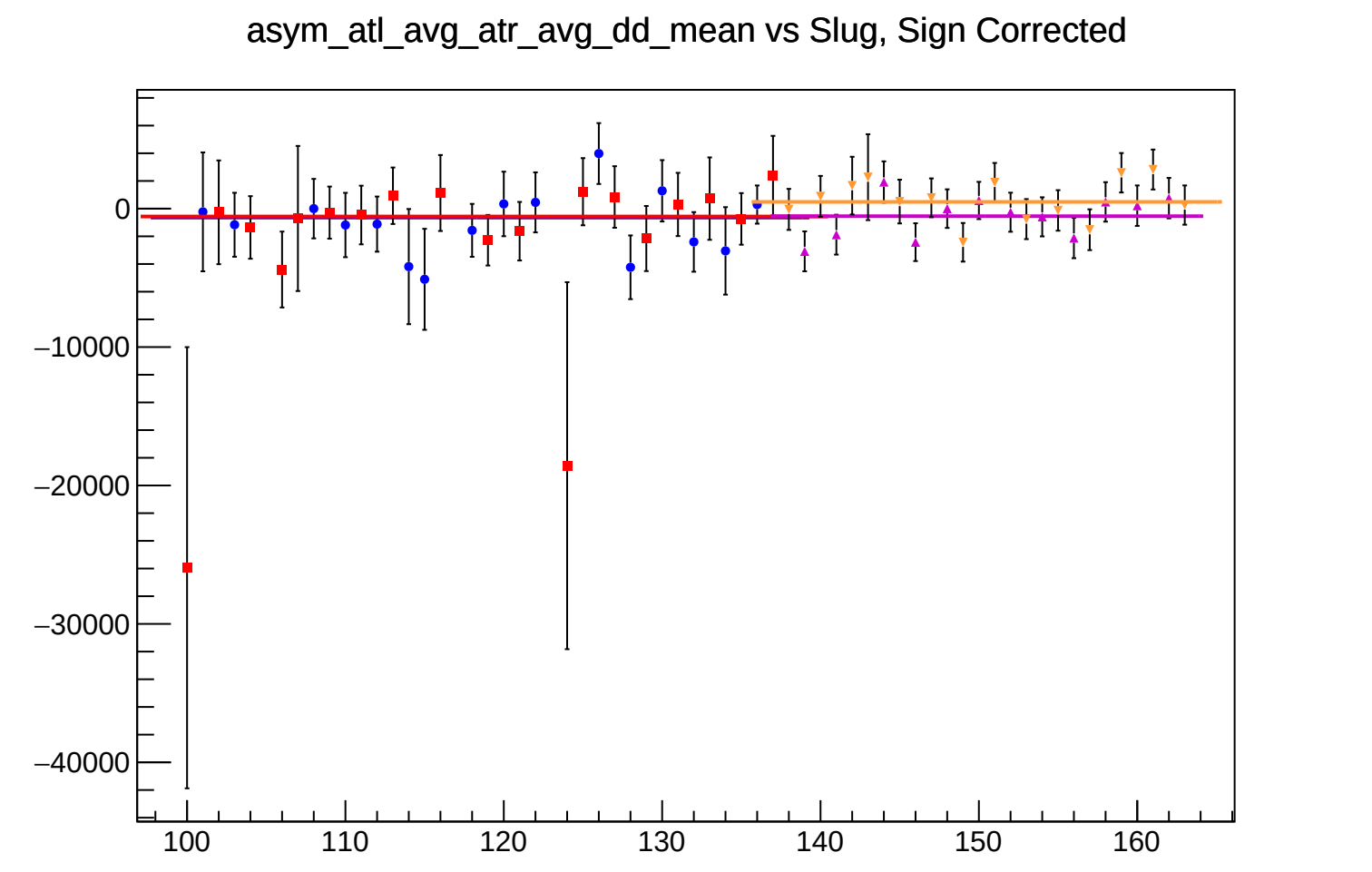
Left: 353.859+/-0.056 χ^2/NDF: 3378079.0/25

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 366.115+/-0.067 χ^2/NDF:5164647.0/27

Out: 359.582+/-0.066 χ^2/NDF:7168592.2/32

All: 362.779+/-0.047 χ^2/NDF: 12338073.2/60



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -545.065+/-411.018 χ^2/NDF:12.3/11

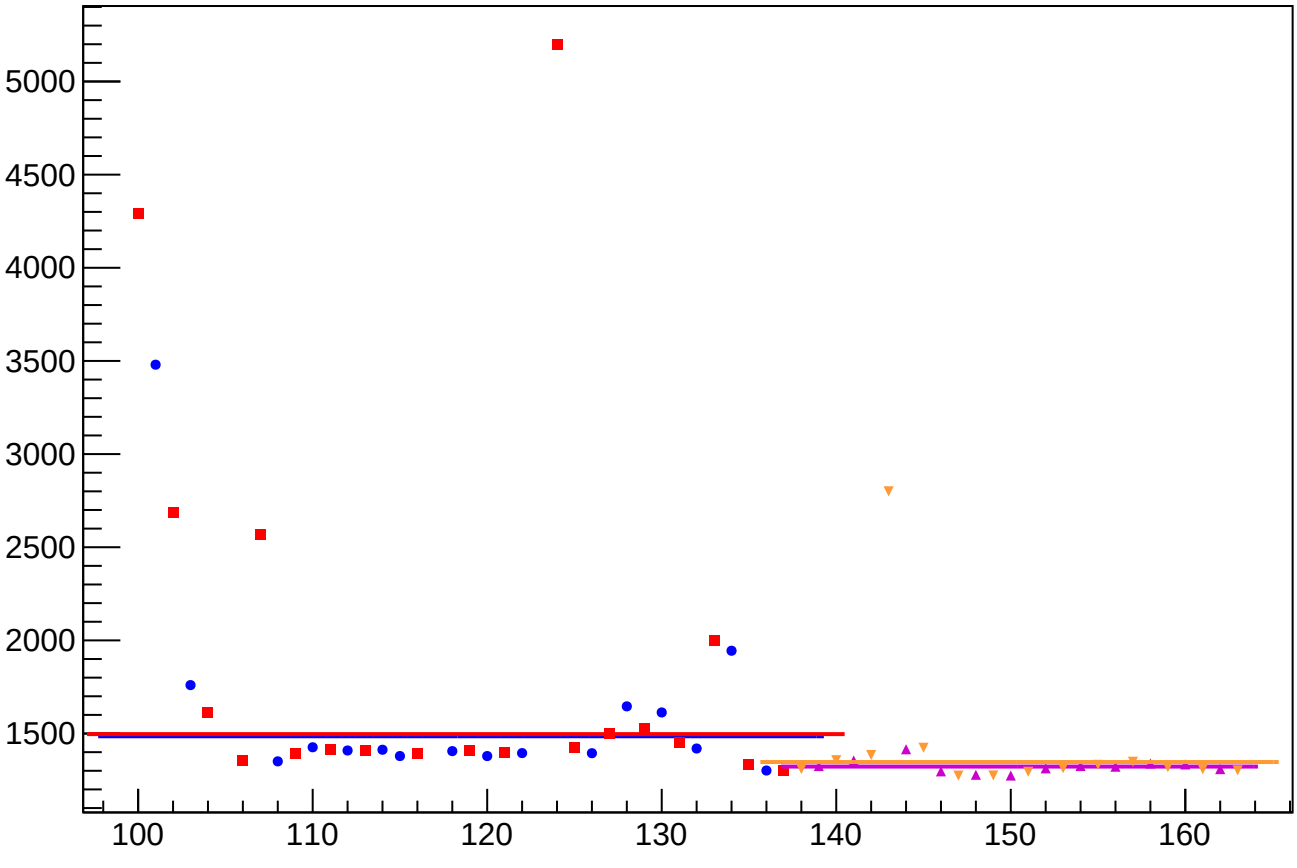
Left: -23.137+/-289.016 χ^2/NDF: 29.3/25

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -578.253+/-332.246 χ^2/NDF:24.8/27

Out: 129.139+/-330.313 χ^2/NDF:27.5/32

All: -222.494+/-234.247 χ^2/NDF: 54.5/60



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1347.004+/-0.287 χ^2/NDF:464274.6/13

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.641+/-0.291 χ^2/NDF:14713.0/11

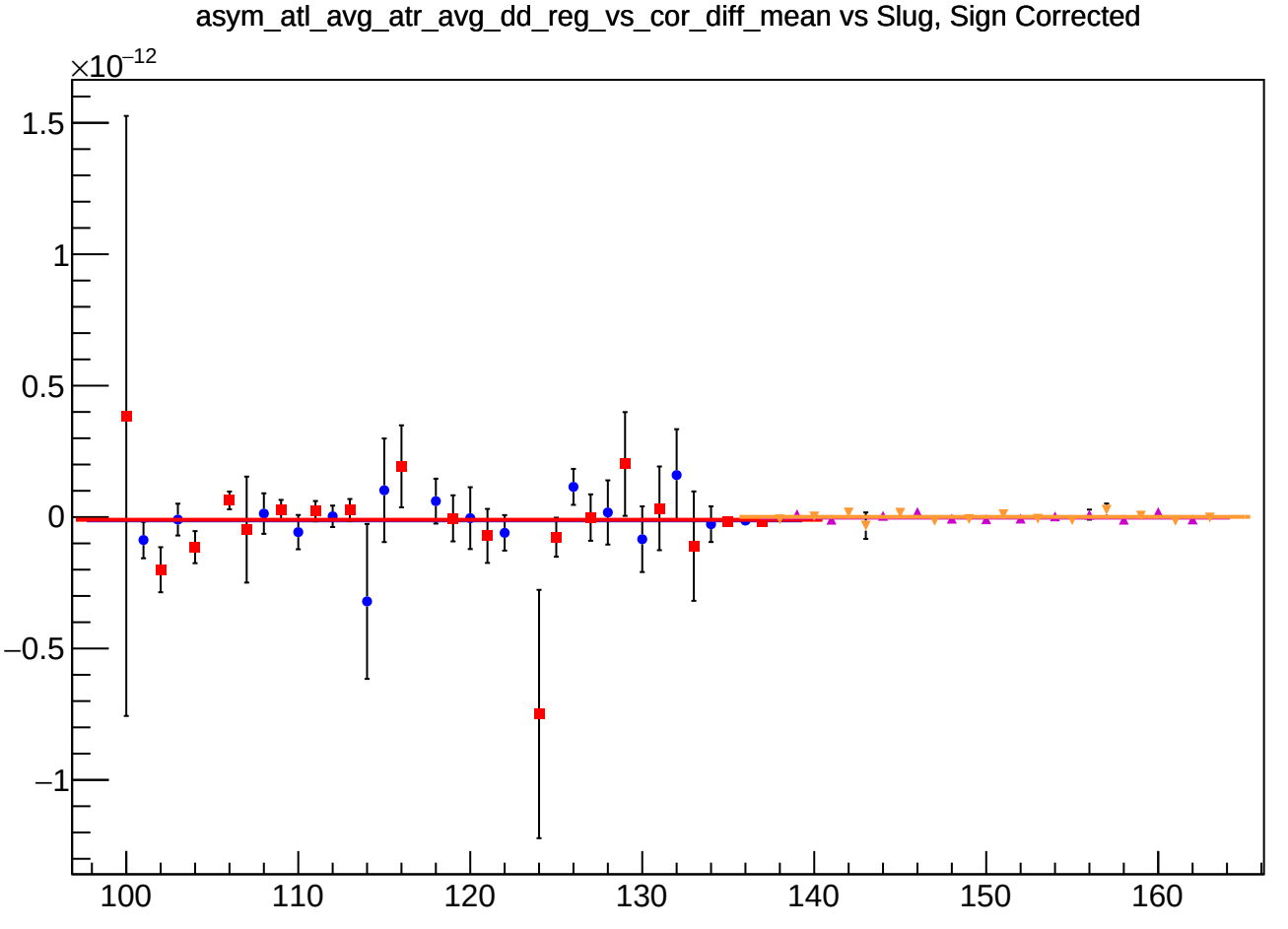
Left: 1334.958+/-0.204 χ^2/NDF: 482540.3/25

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1379.039+/-0.235 χ^2/NDF:707835.0/27

Out: 1397.905+/-0.234 χ^2/NDF:1179902.1/32

All: 1388.527+/-0.166 χ^2/NDF: 1890980.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/11

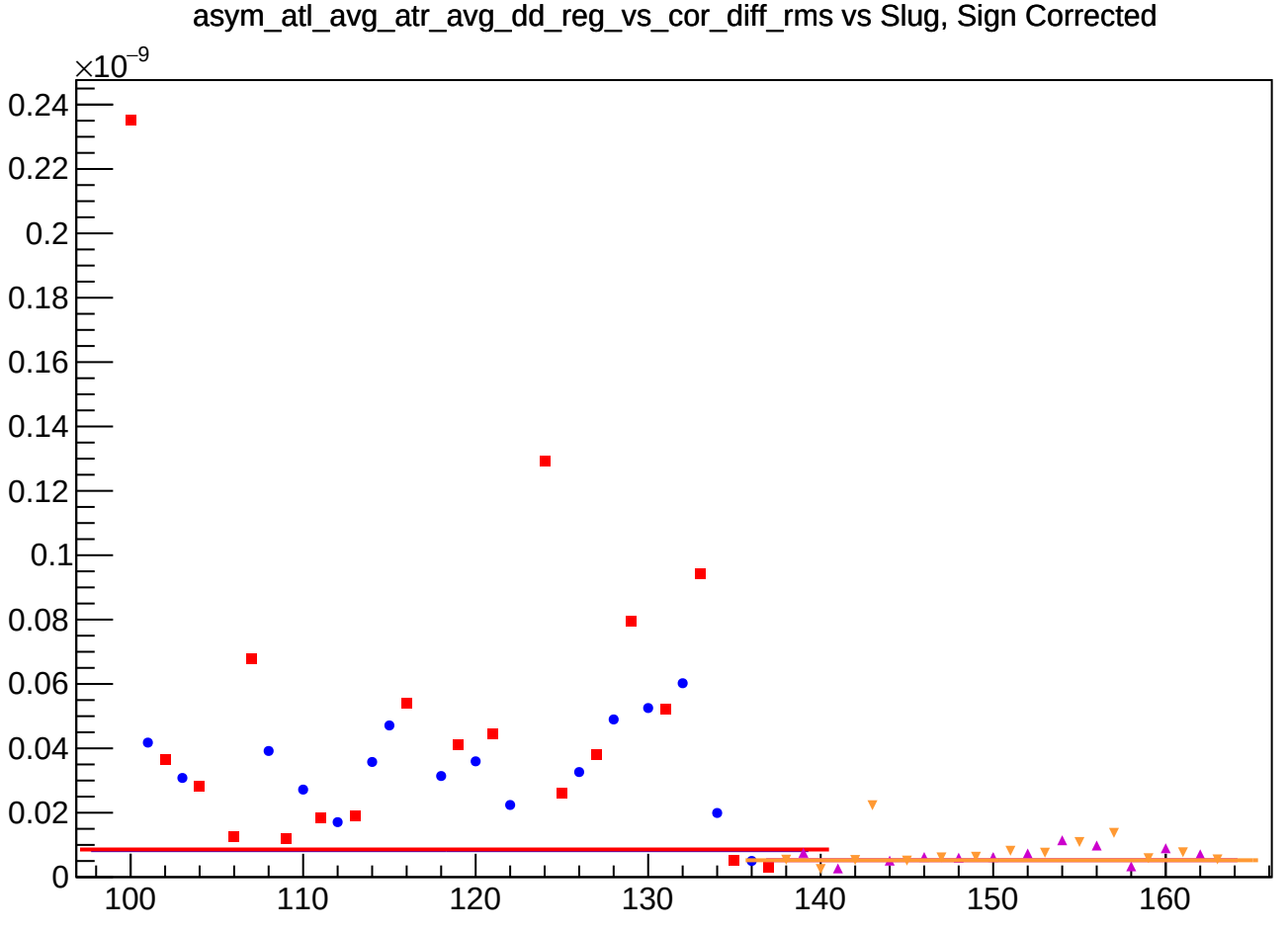
Left: -0.000+/-0.000 χ^2/NDF: 27.5/25

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.4/27

Out: -0.000+/-0.000 χ^2/NDF:37.8/32

All: -0.000+/-0.000 χ^2/NDF: 62.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619189.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1251943.4/11

Left: 0.000+/-0.000 χ^2/NDF: 2871231.6/25

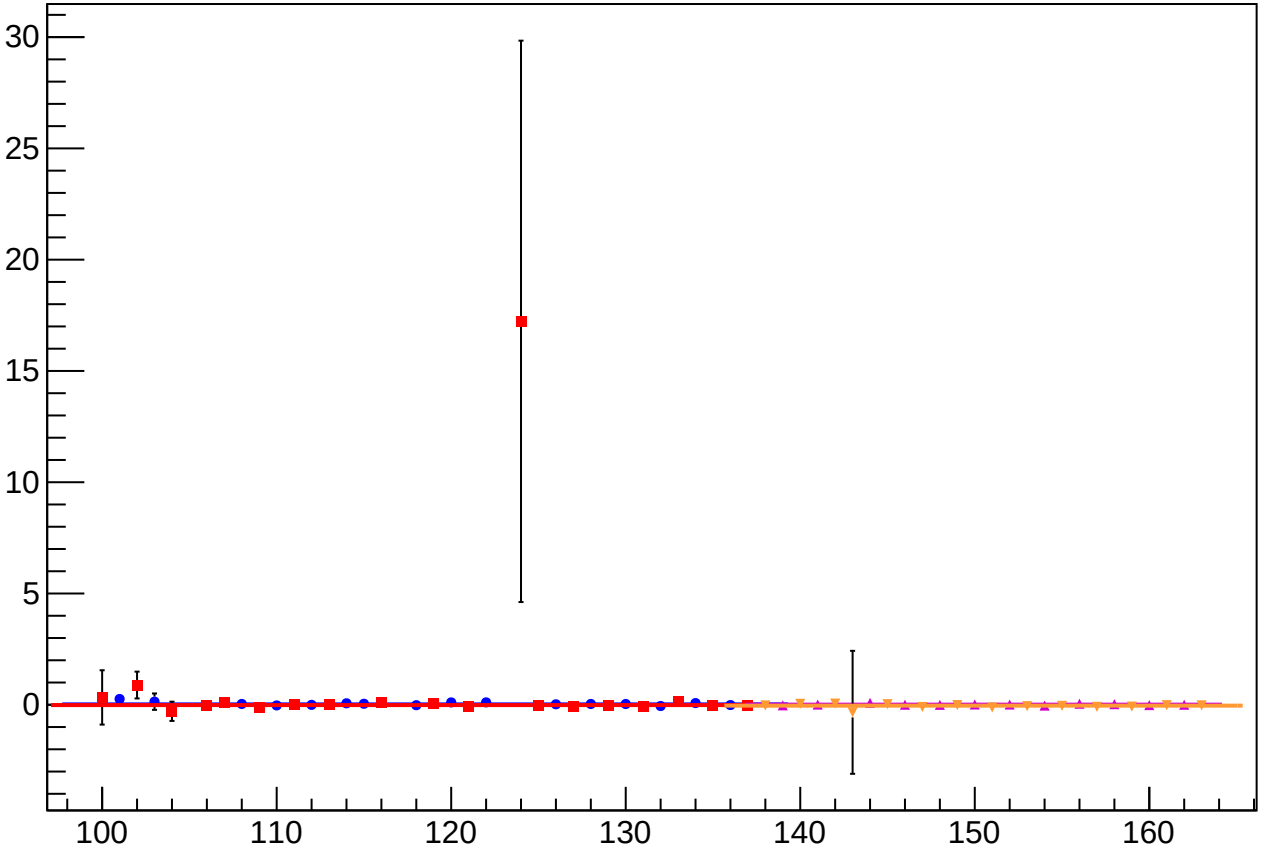
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4619051.4/27

Out: 0.000+/-0.000 χ^2/NDF:5279686.6/32

All: 0.000+/-0.000 χ^2/NDF: 9899633.8/60

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

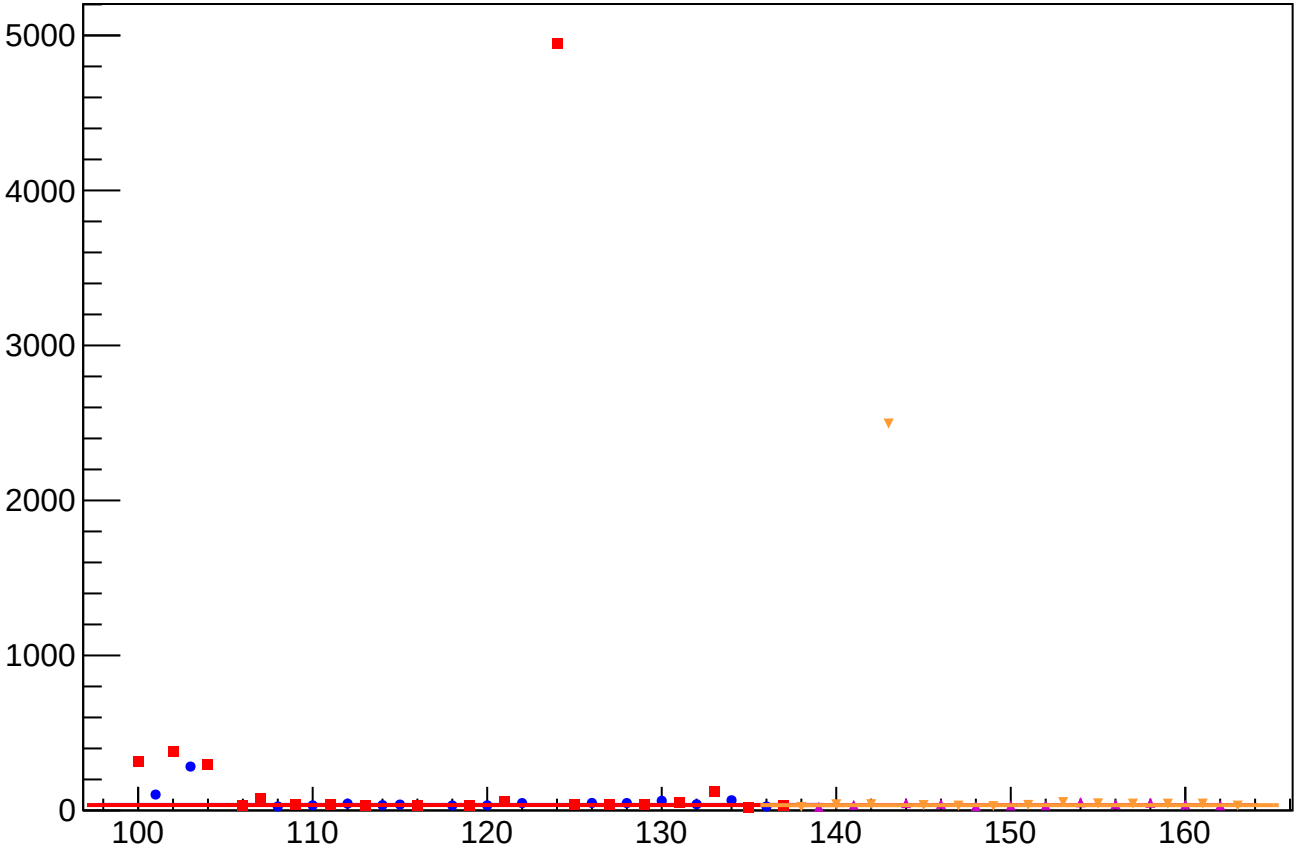
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

Left: 34.724+/-0.006 χ^2/NDF: 3551543.1/25

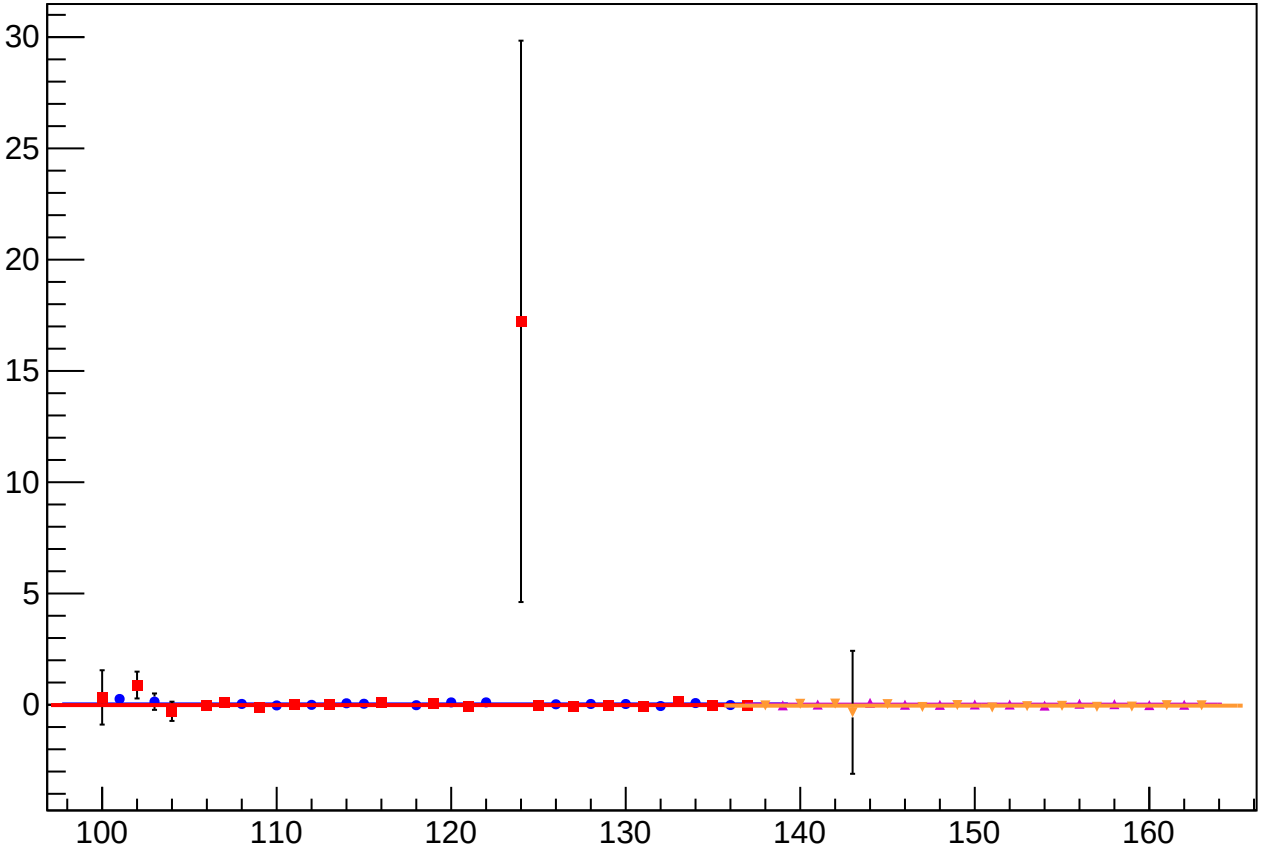
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.468+/-0.007 χ^2/NDF:3192403.8/27

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

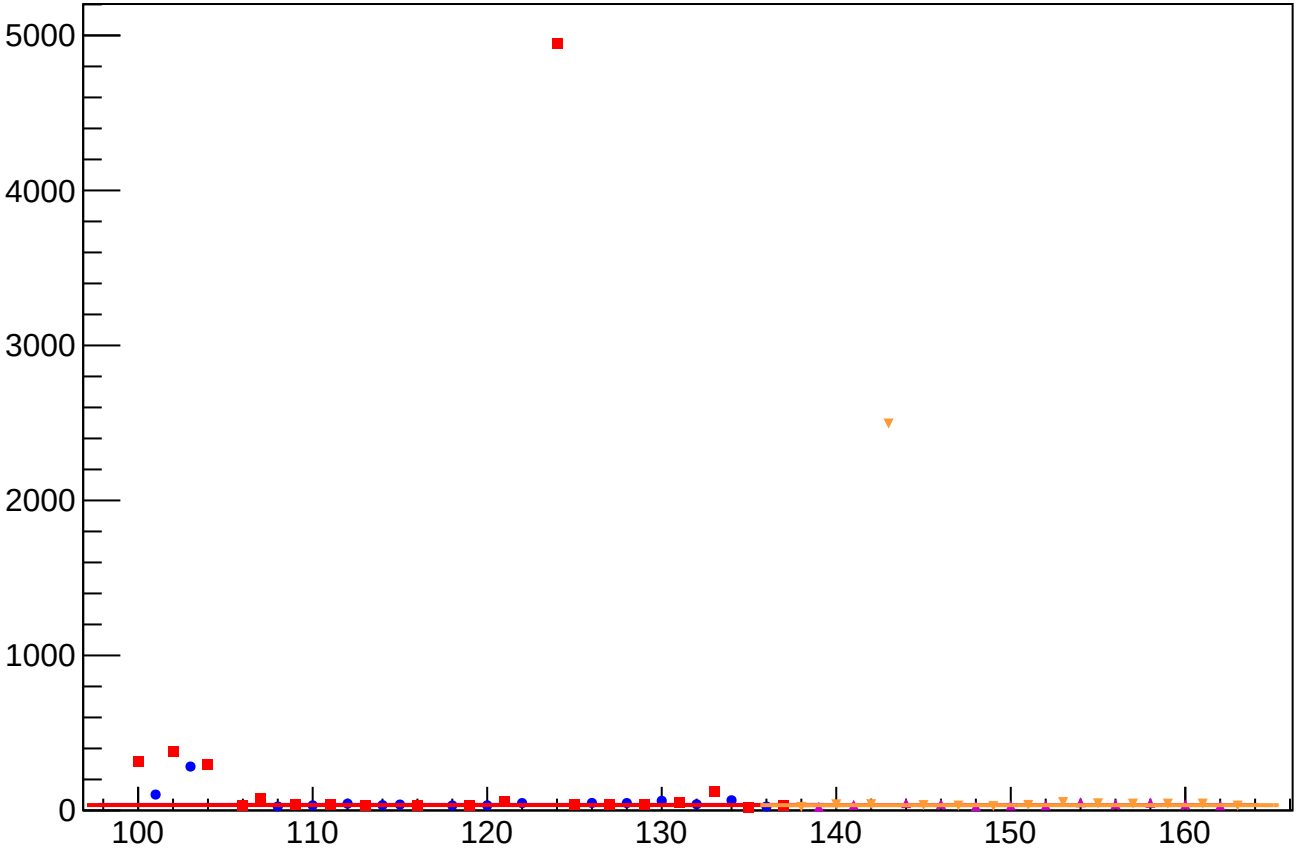
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

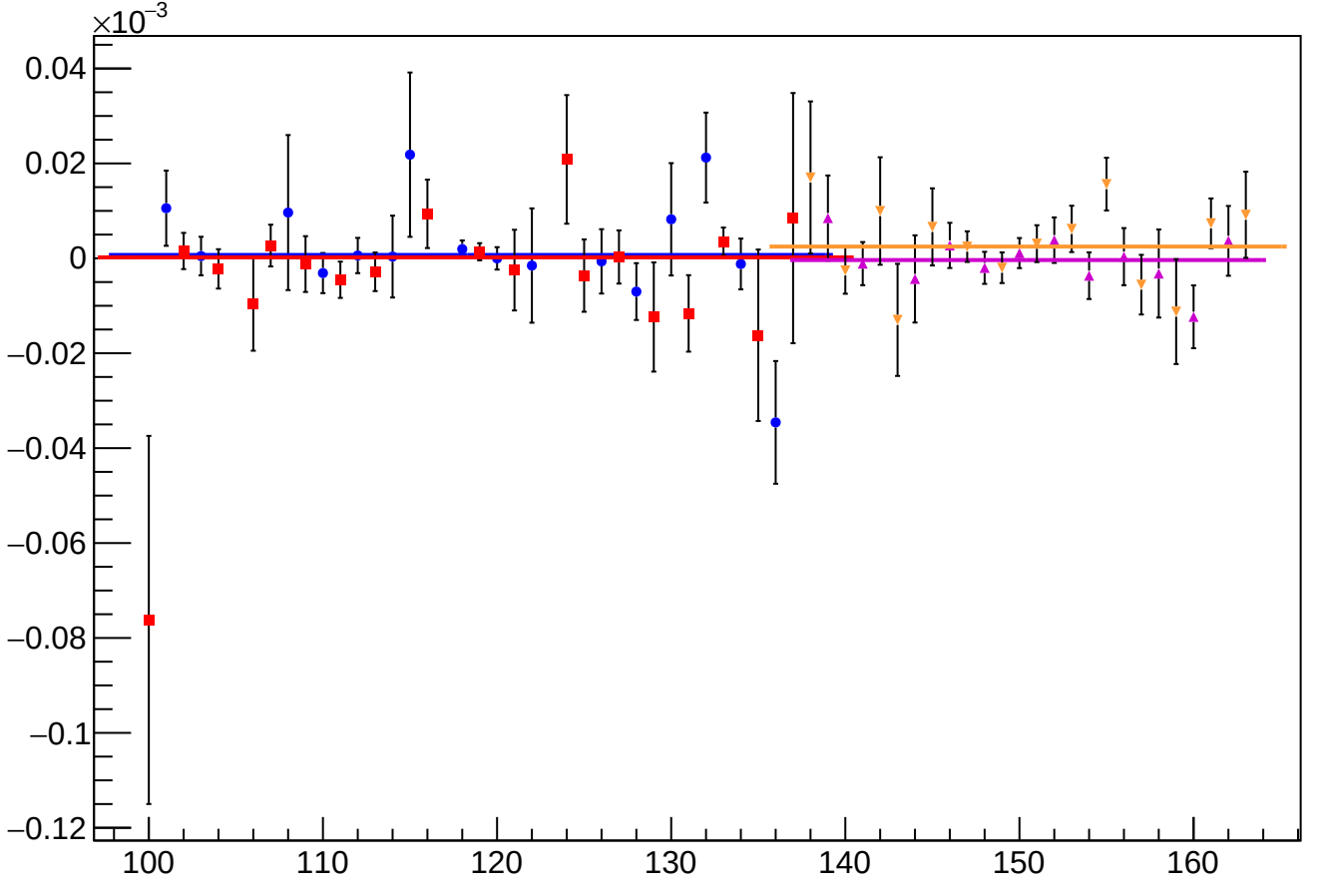
Left: 34.724+/-0.006 χ^2/NDF: 3551543.1/25

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.468+/-0.007 χ^2/NDF:3192403.8/27

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/11

Left: 0.000+/-0.000 χ^2/NDF: 25.9/25

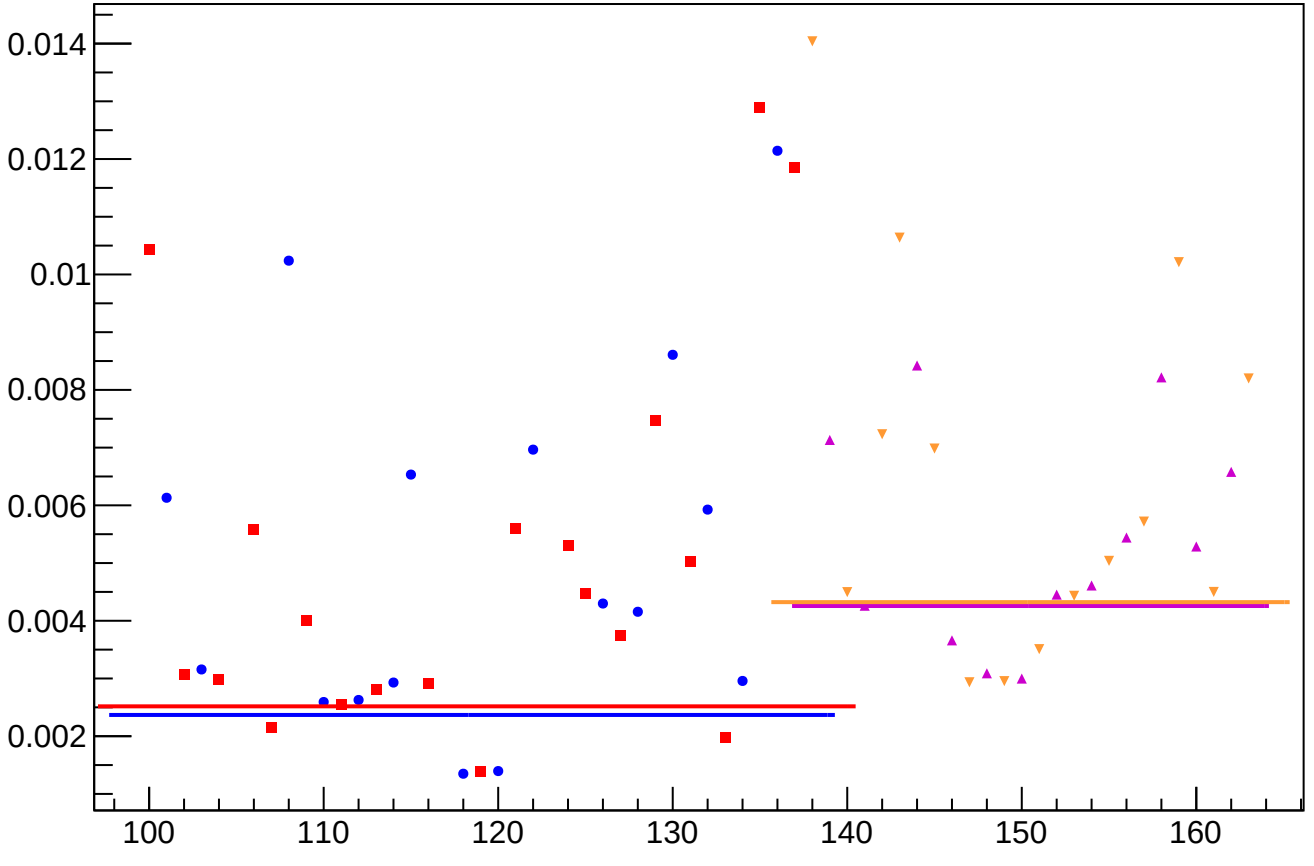
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.7/32

All: 0.000+/-0.000 χ^2/NDF: 63.4/60

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: 0.004+/-0.000 χ^2/NDF:3540393.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1905649.0/11

Left: 0.004+/-0.000 χ^2/NDF: 5448203.4/25

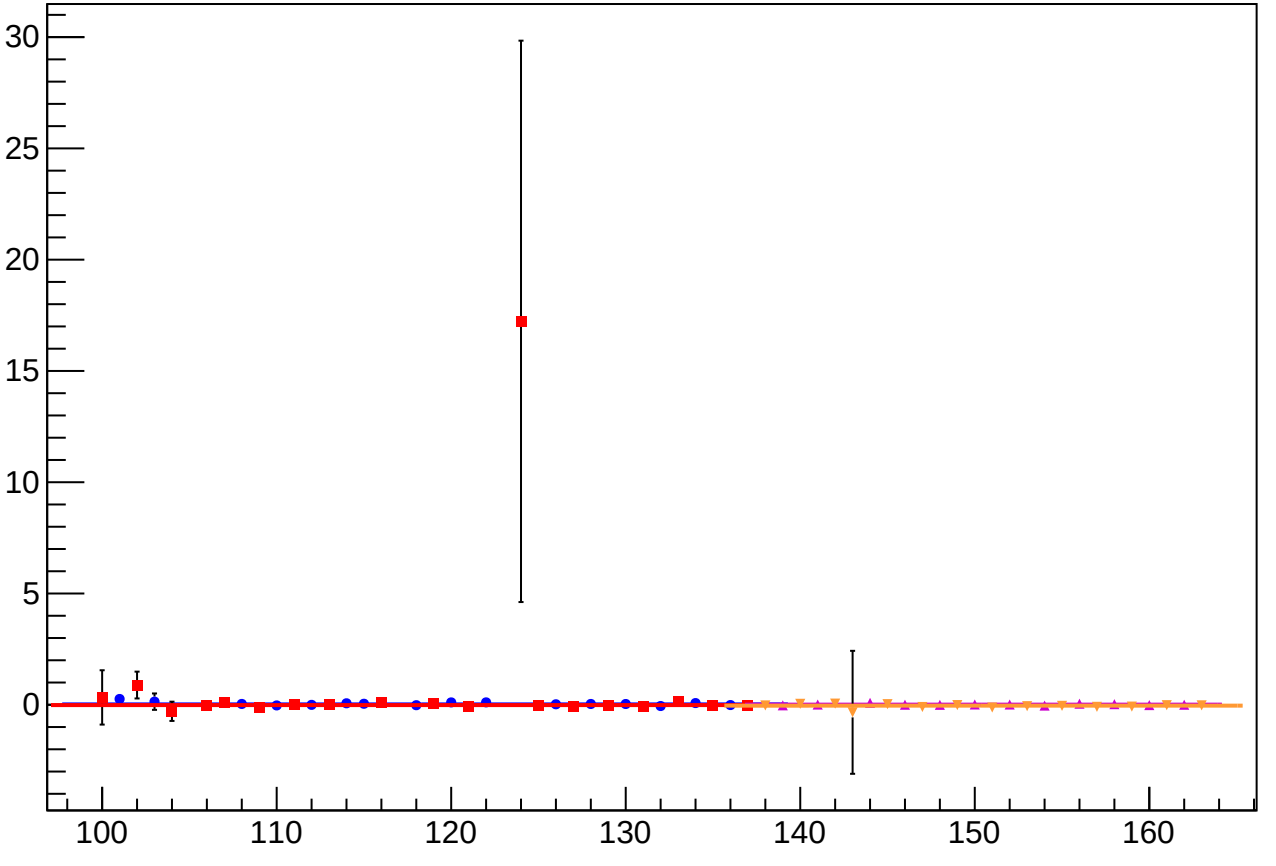
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8752268.4/27

Out: 0.003+/-0.000 χ^2/NDF:8991659.8/32

All: 0.003+/-0.000 χ^2/NDF: 17758395.2/60

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

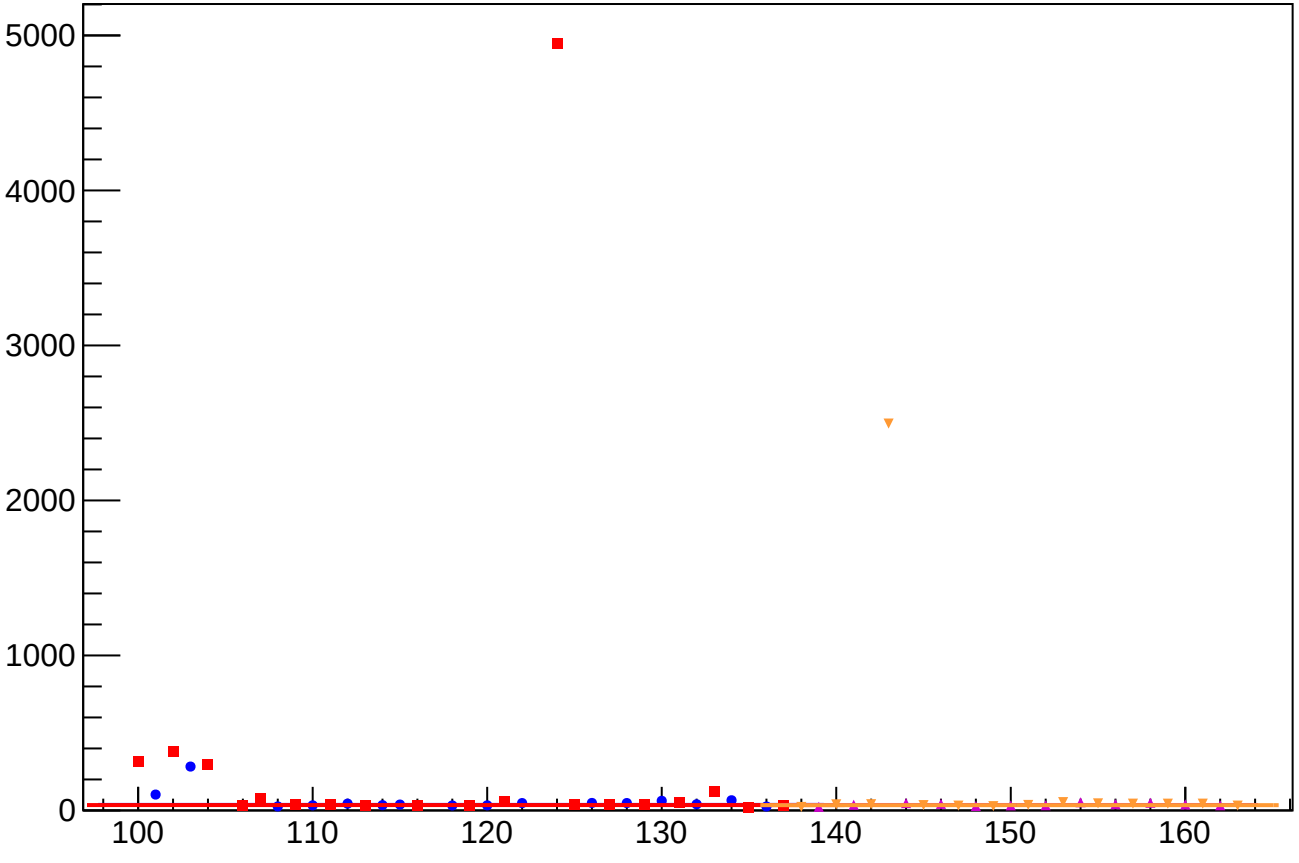
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

Left: 34.723+/-0.006 χ^2/NDF: 3552471.7/25

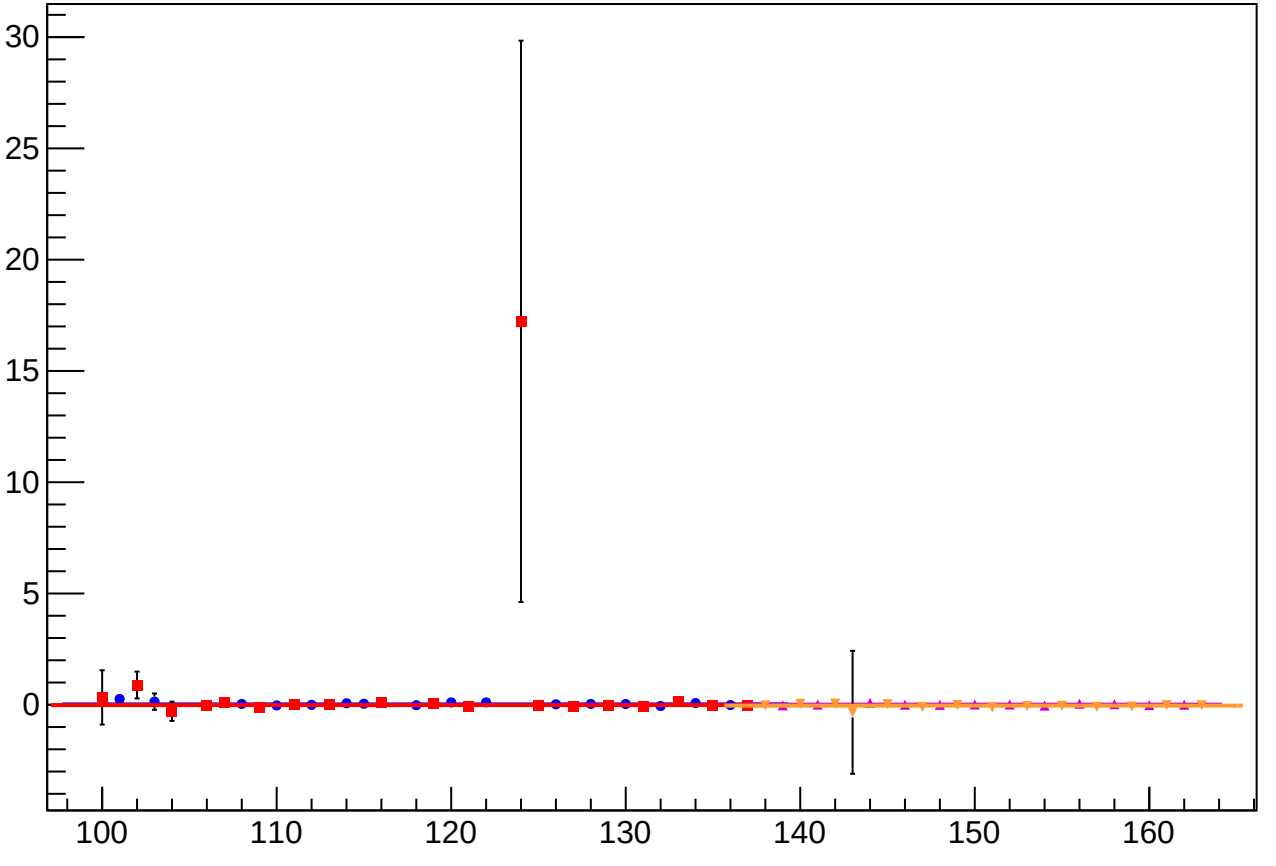
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.468+/-0.007 χ^2/NDF:3192755.2/27

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

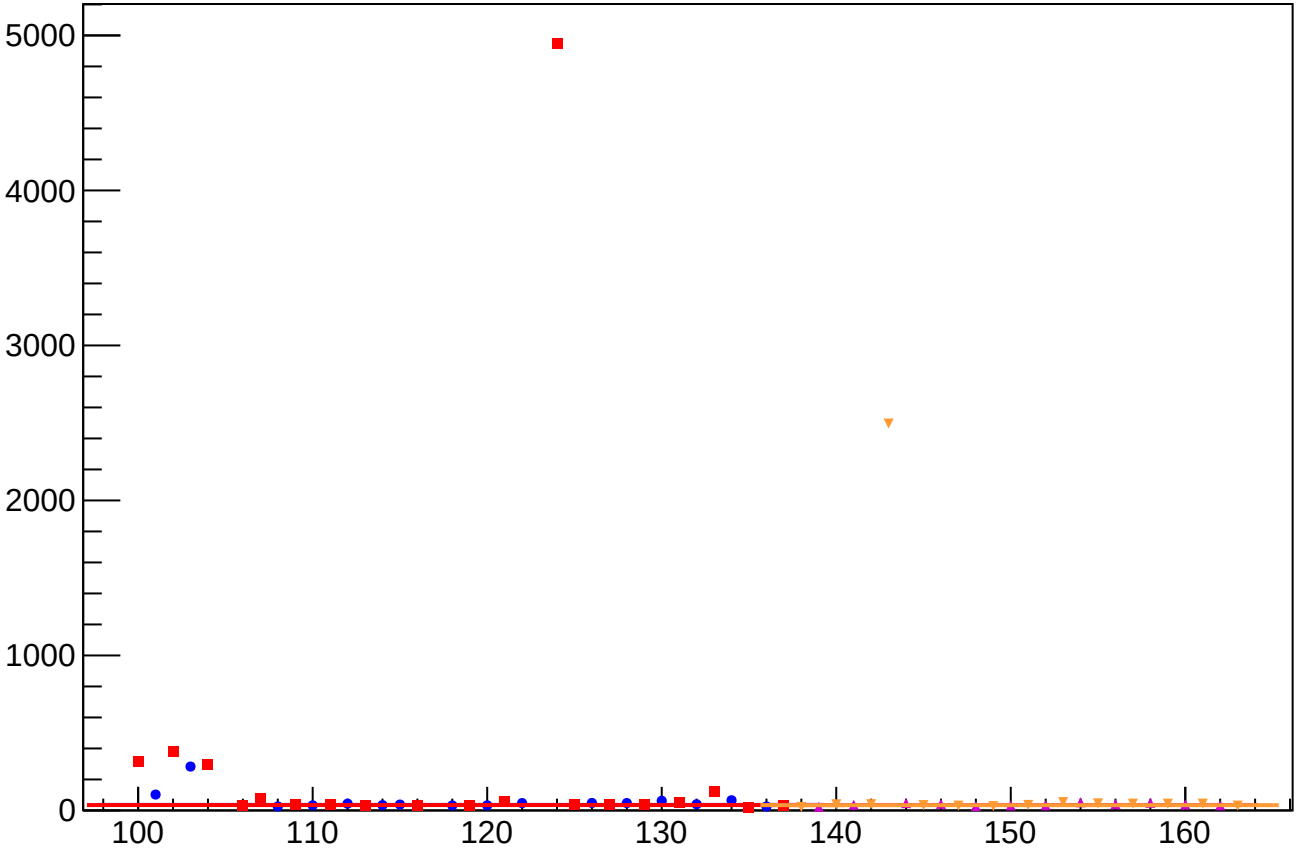
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

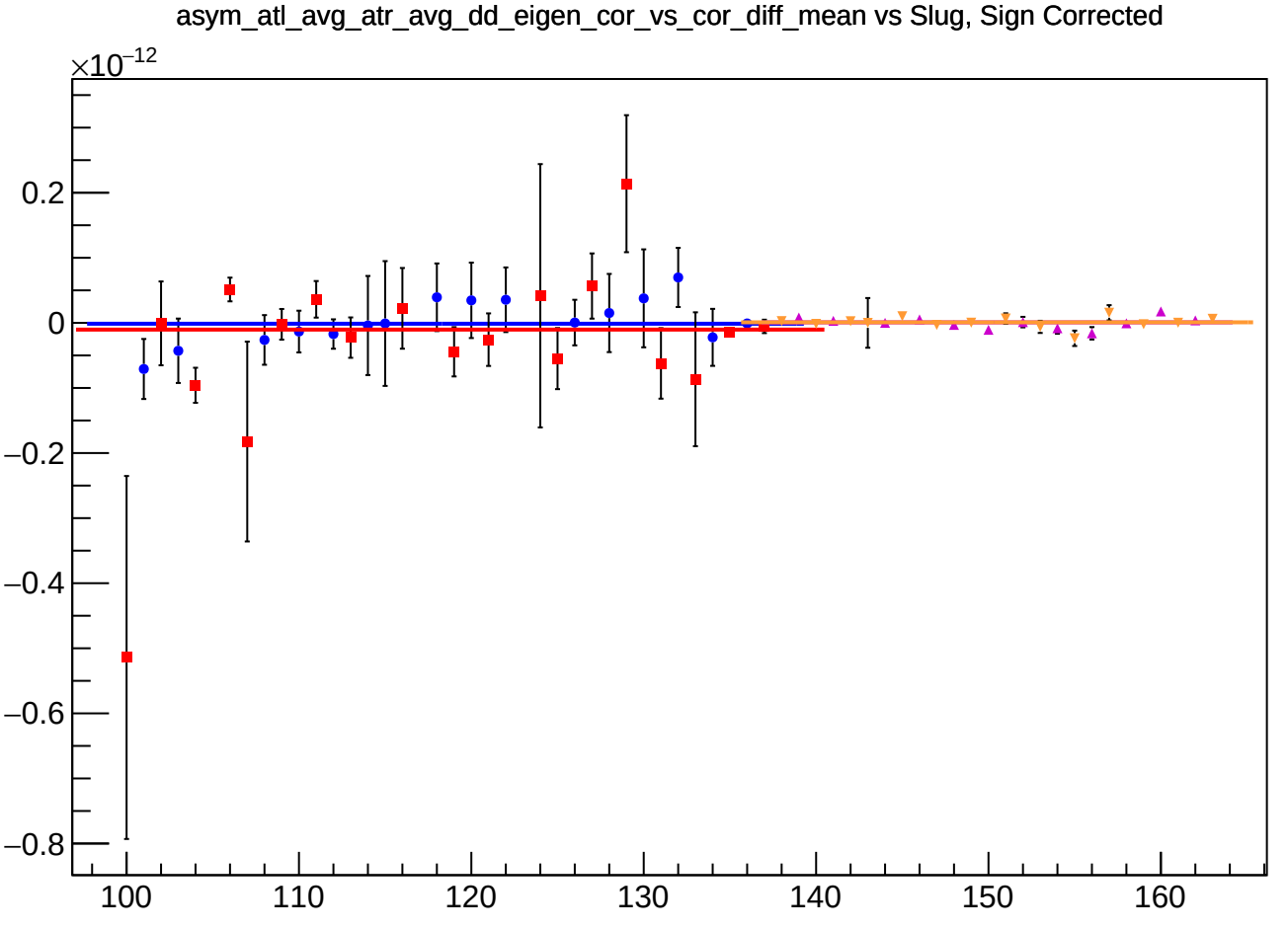
Left: 34.723+/-0.006 χ^2/NDF: 3552471.7/25

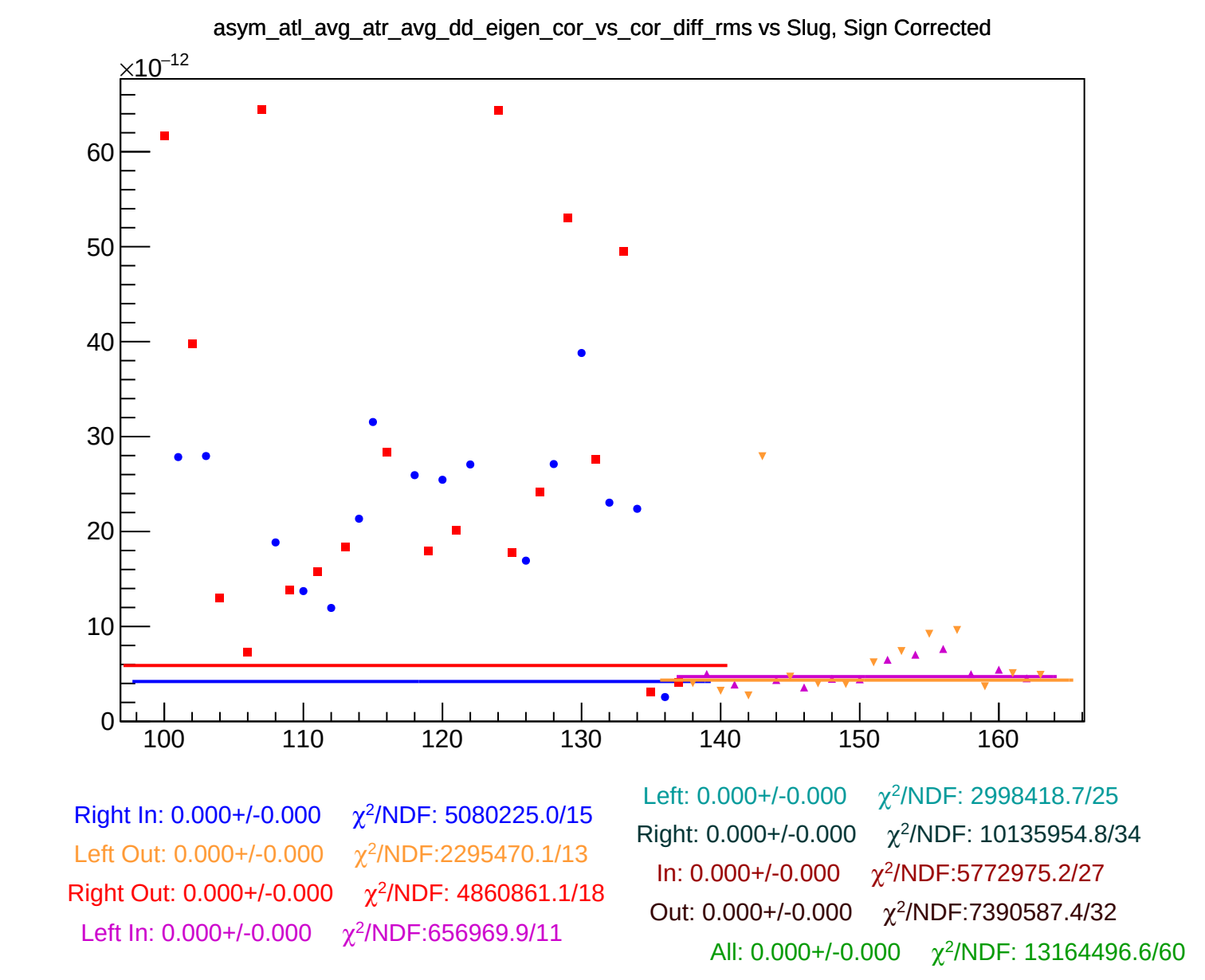
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

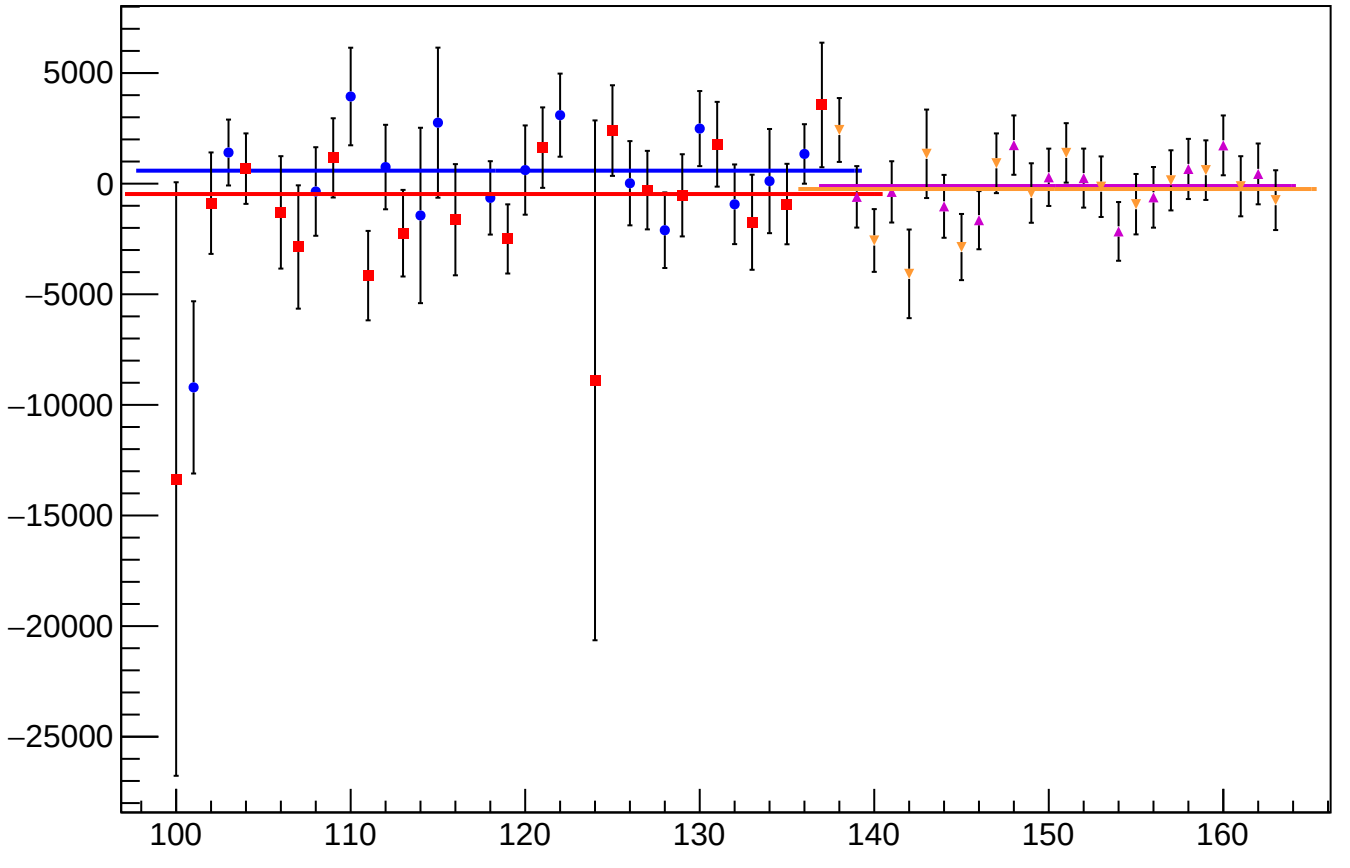
In: 35.468+/-0.007 χ^2/NDF:3192755.2/27

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:17.1/11
Left: 0.000+/-0.000 χ²/NDF: 28.5/25
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:26.0/27
Out: -0.000+/-0.000 χ²/NDF:57.4/32
All: -0.000+/-0.000 χ²/NDF: 83.7/60


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2295470.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:656969.9/11
Left: 0.000+/-0.000 χ²/NDF: 2998418.7/25
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5772975.2/27
Out: 0.000+/-0.000 χ²/NDF:7390587.4/32
All: 0.000+/-0.000 χ²/NDF: 13164496.6/60



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -106.887+/-390.983 χ^2/NDF:8.9/11

Left: -176.117+/-273.462 χ^2/NDF: 25.5/25

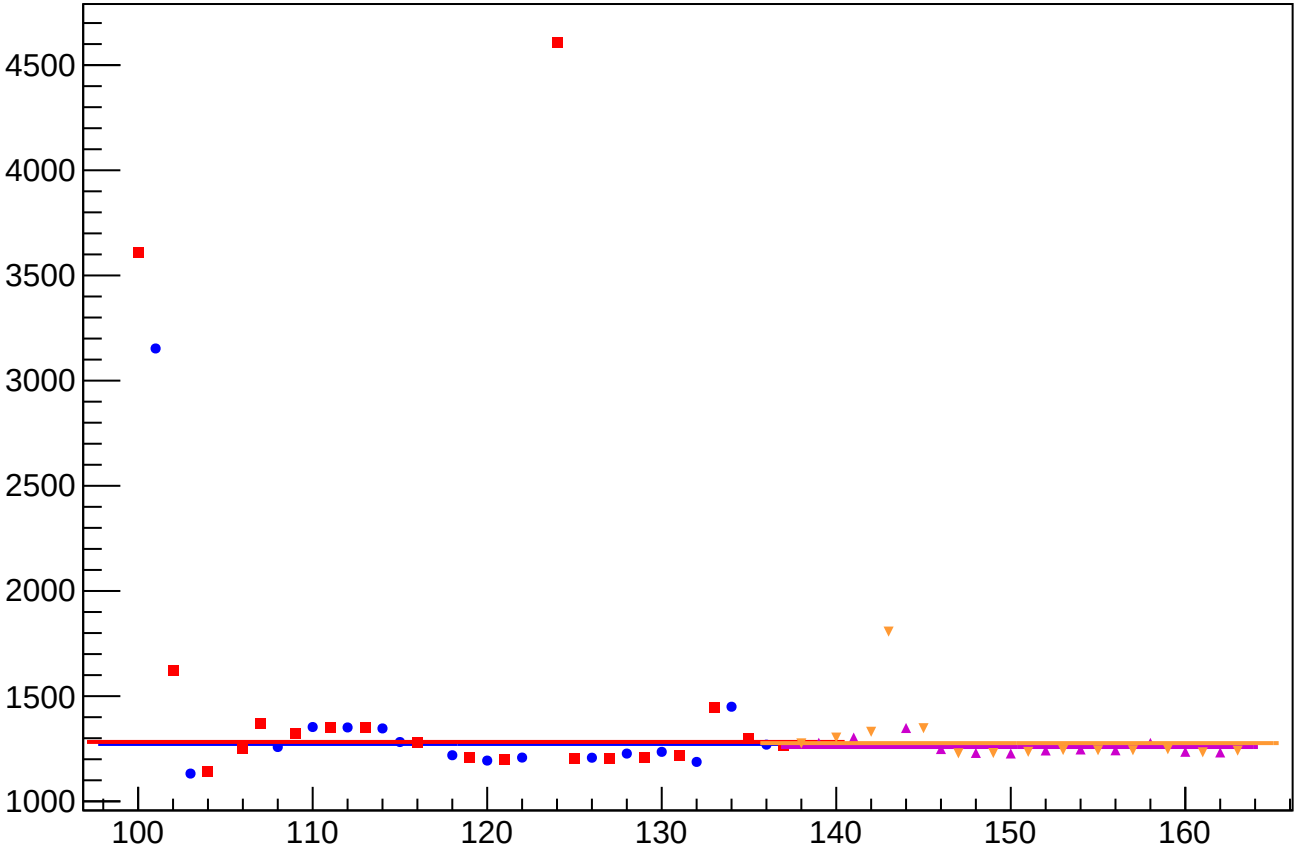
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 168.165+/-303.754 χ^2/NDF:27.2/27

Out: -330.341+/-299.320 χ^2/NDF:33.6/32

All: -84.752+/-213.202 χ^2/NDF: 62.2/60

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

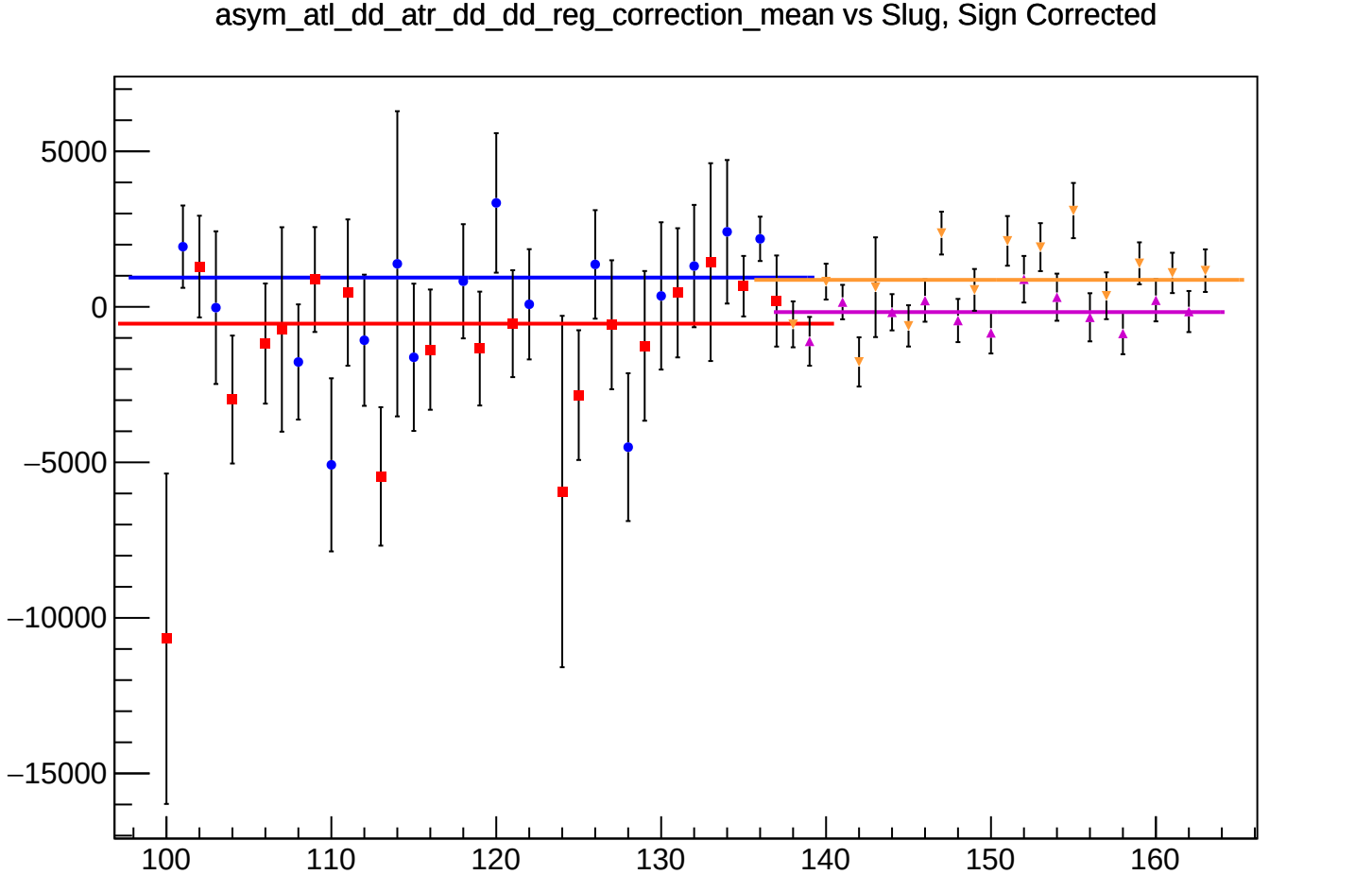
Left: 1267.683+/-0.193 χ^2/NDF: 179609.4/25

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

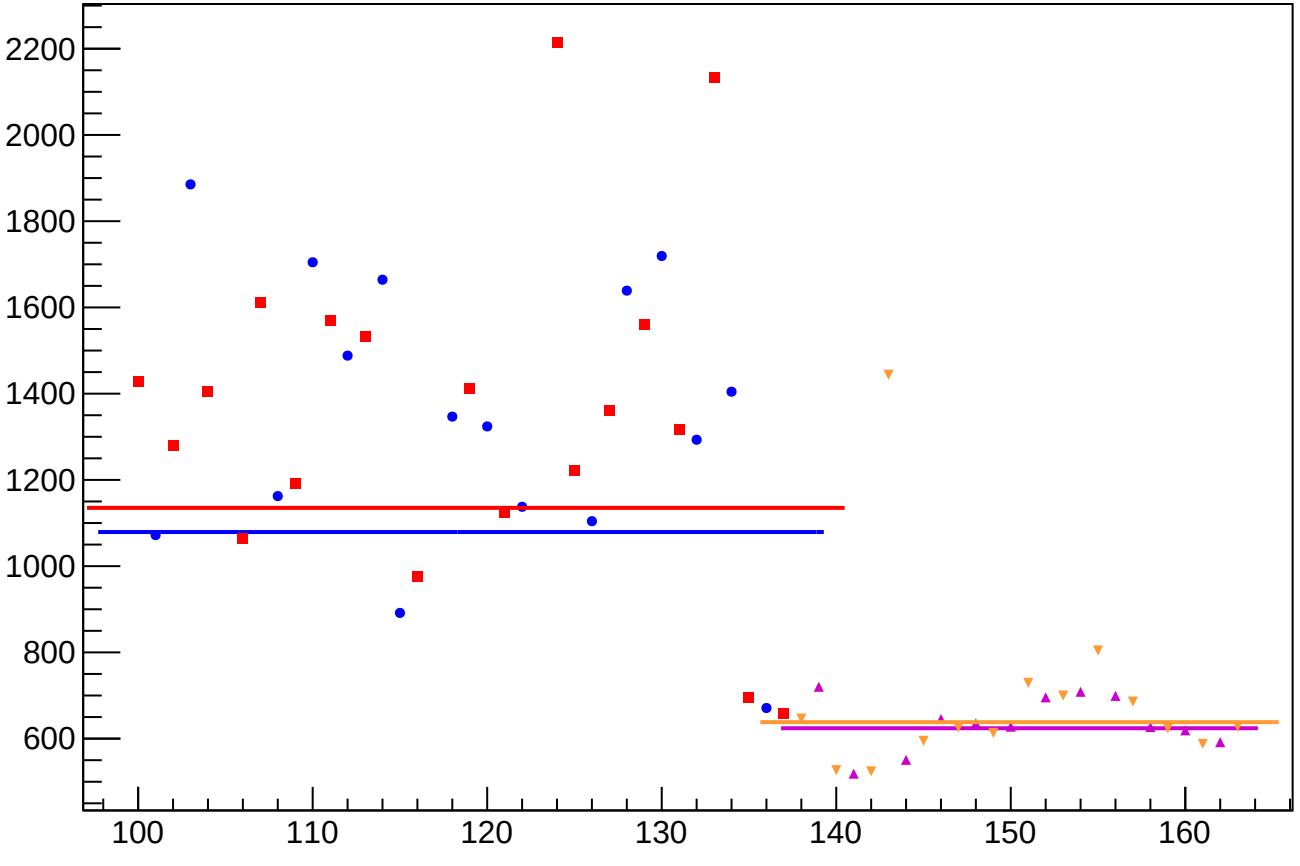
In: 1264.000+/-0.215 χ^2/NDF:535523.0/27

Out: 1278.928+/-0.212 χ^2/NDF:484438.7/32

All: 1271.574+/-0.151 χ^2/NDF: 1022412.7/60


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 867.249+/-194.533 χ²/NDF:36.9/13
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -168.684+/-195.266 χ²/NDF:7.0/11
Left: 351.229+/-137.814 χ²/NDF: 58.0/25
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 24.239+/-177.495 χ²/NDF:32.6/27
Out: 636.965+/-177.914 χ²/NDF:62.6/32
All: 329.880+/-125.656 χ²/NDF: 101.1/60

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 624.063+/-0.138 χ^2/NDF:203536.3/11

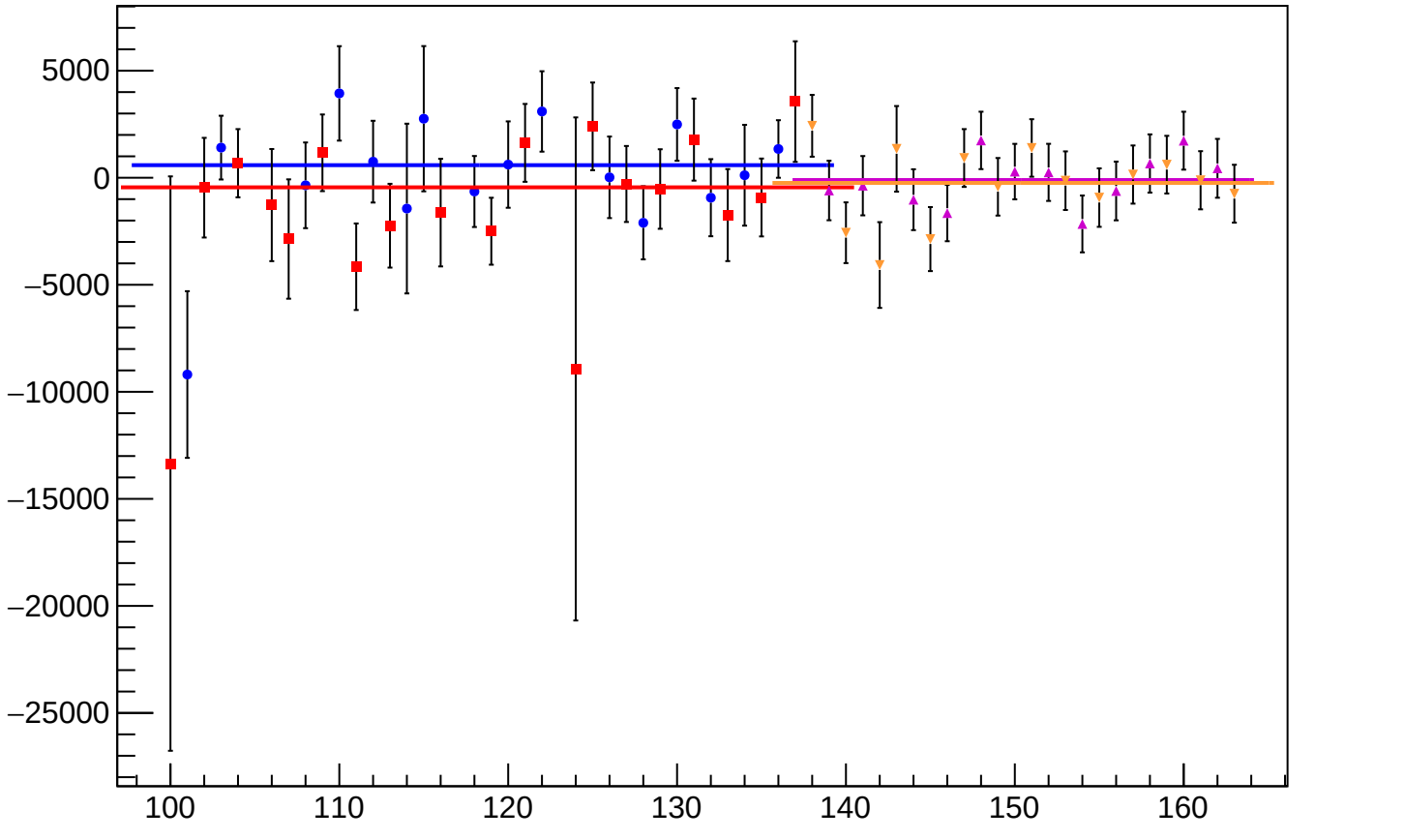
Left: 631.149+/-0.097 χ^2/NDF: 972768.1/25

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 703.122+/-0.126 χ^2/NDF:3572863.2/27

Out: 719.472+/-0.126 χ^2/NDF:4192172.6/32

All: 711.278+/-0.089 χ^2/NDF: 7773500.6/60



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -106.898+/-390.983 χ^2/NDF:8.9/11

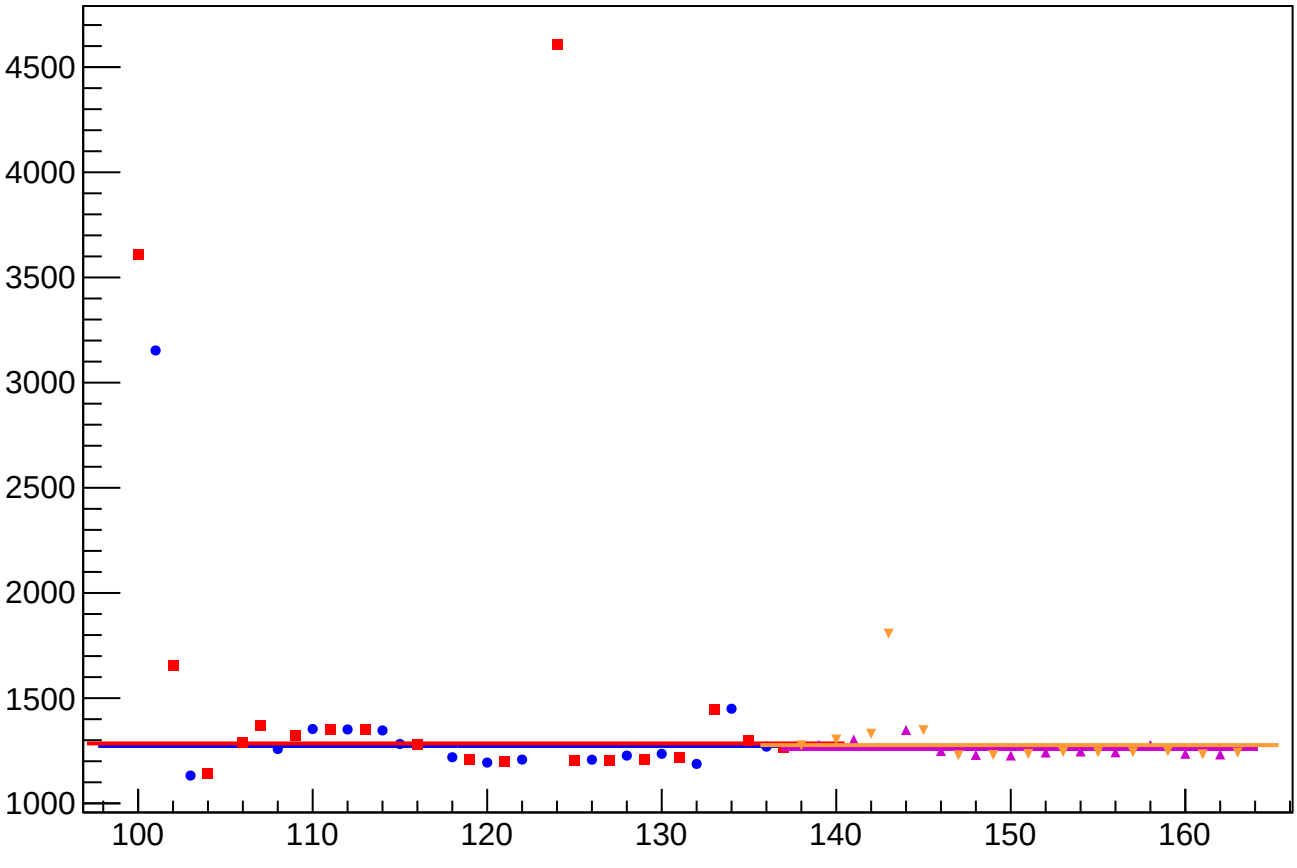
Left: -176.184+/-273.462 χ^2/NDF: 25.5/25

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 168.286+/-303.754 χ^2/NDF:27.2/27

Out: -322.256+/-299.518 χ^2/NDF:33.5/32

All: -80.429+/-213.273 χ^2/NDF: 62.0/60



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

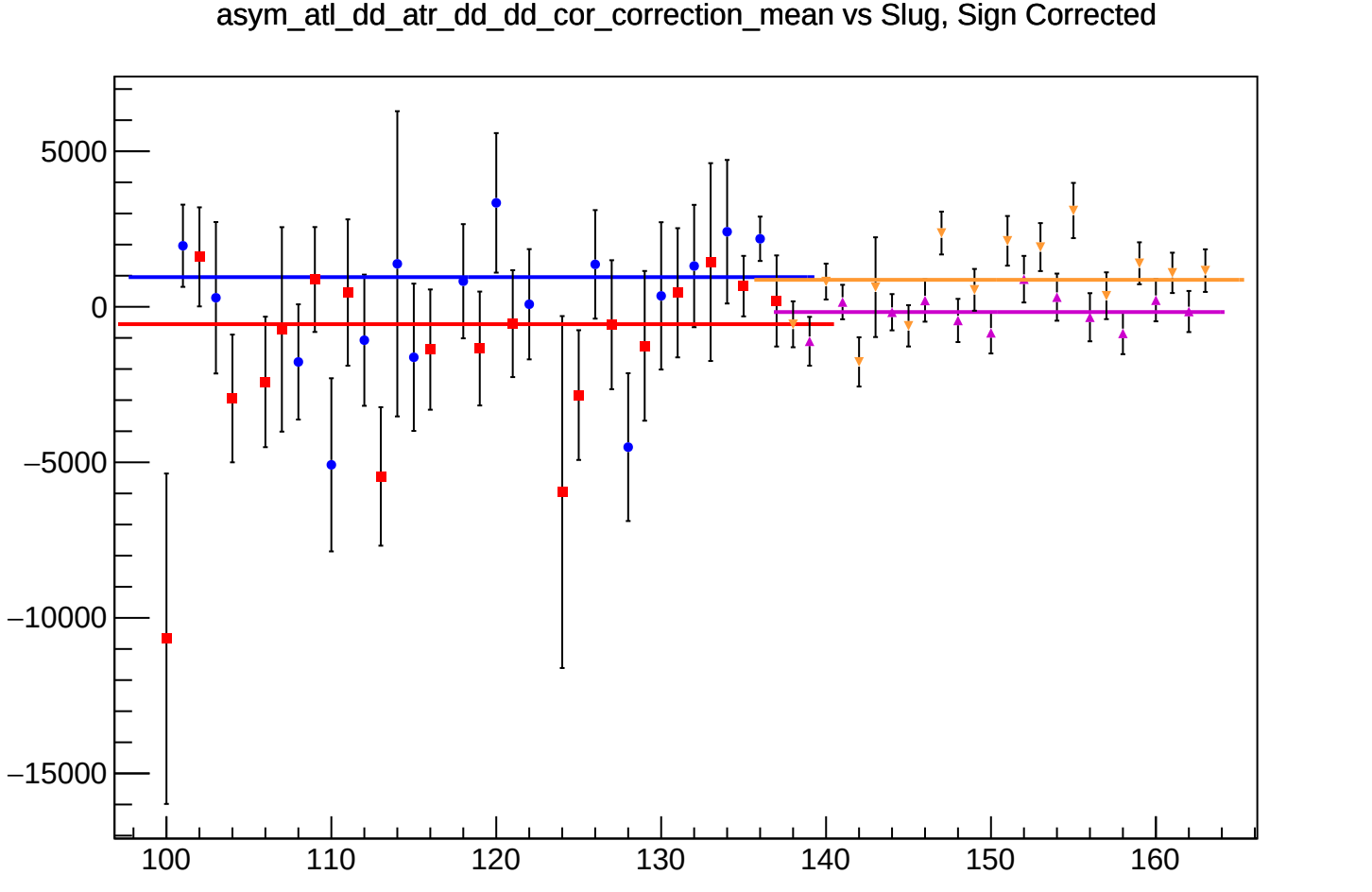
Left: 1267.683+/-0.193 χ^2/NDF: 179609.4/25

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1264.000+/-0.215 χ^2/NDF:535524.4/27

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -168.722+/-195.265 χ^2/NDF:7.0/11

Left: 351.175+/-137.814 χ^2/NDF: 58.0/25

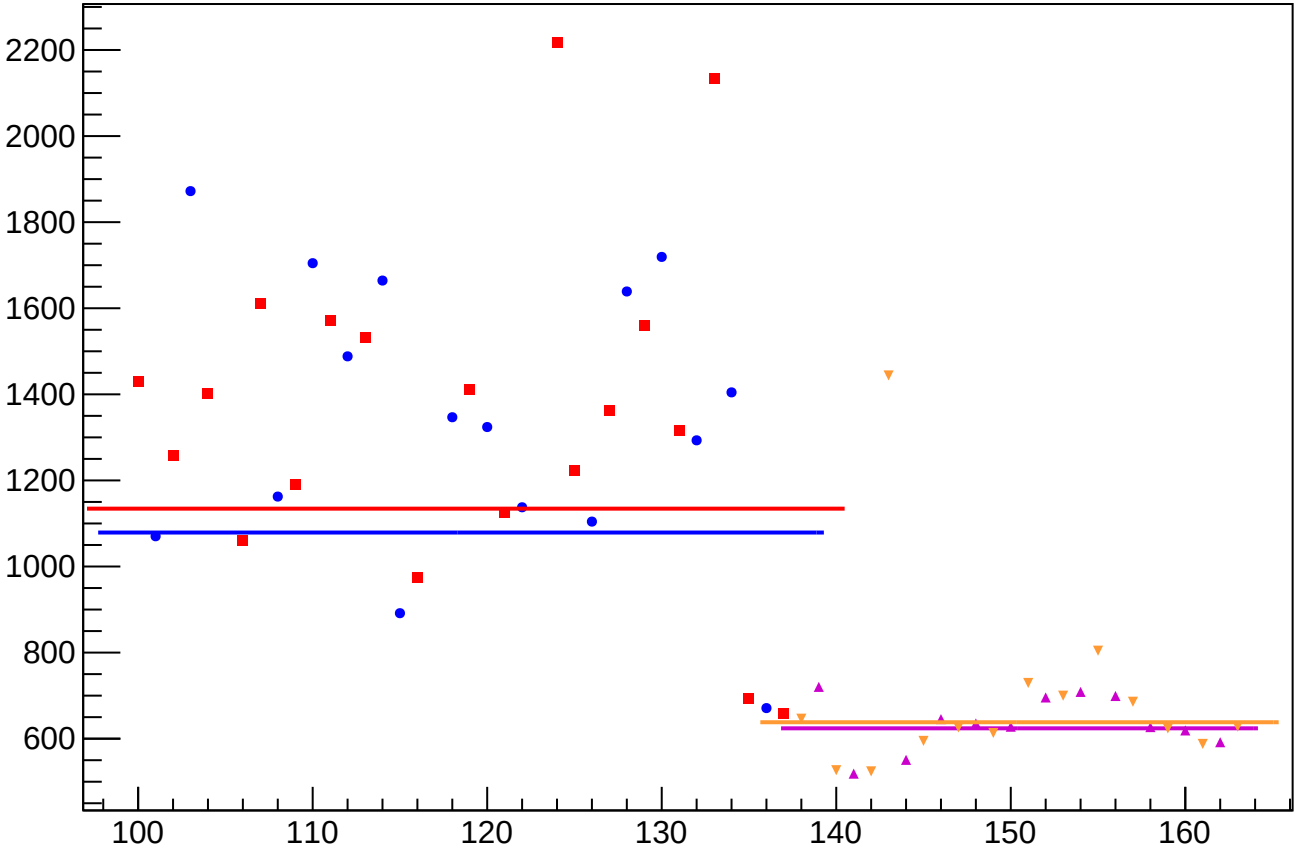
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.491+/-177.482 χ^2/NDF:32.7/27

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 329.826+/-125.671 χ^2/NDF: 102.5/60

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

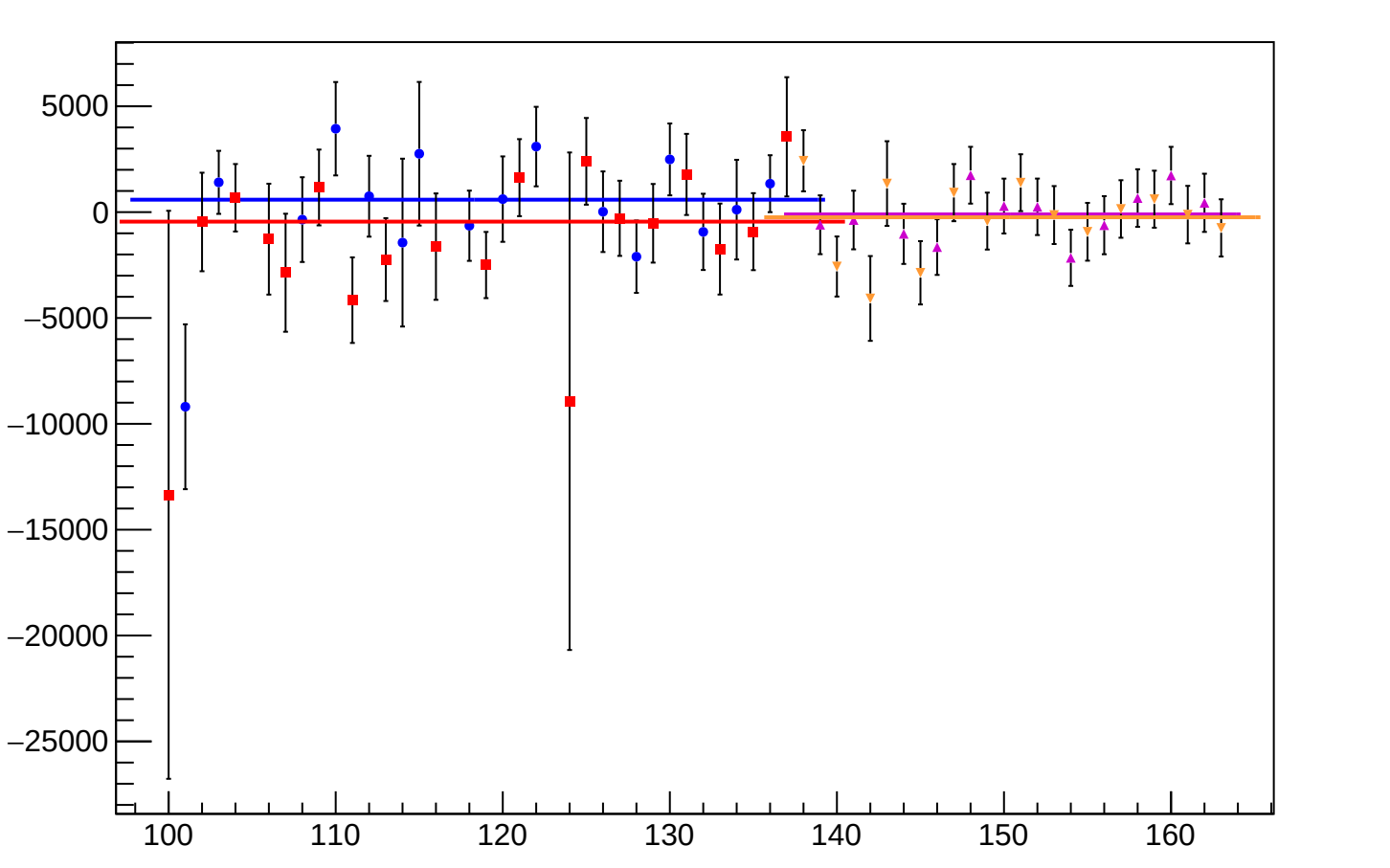
Left: 631.149+/-0.097 χ^2/NDF: 972712.1/25

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 703.141+/-0.125 χ^2/NDF:3569135.8/27

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -106.898+/-390.983 χ^2/NDF:8.9/11

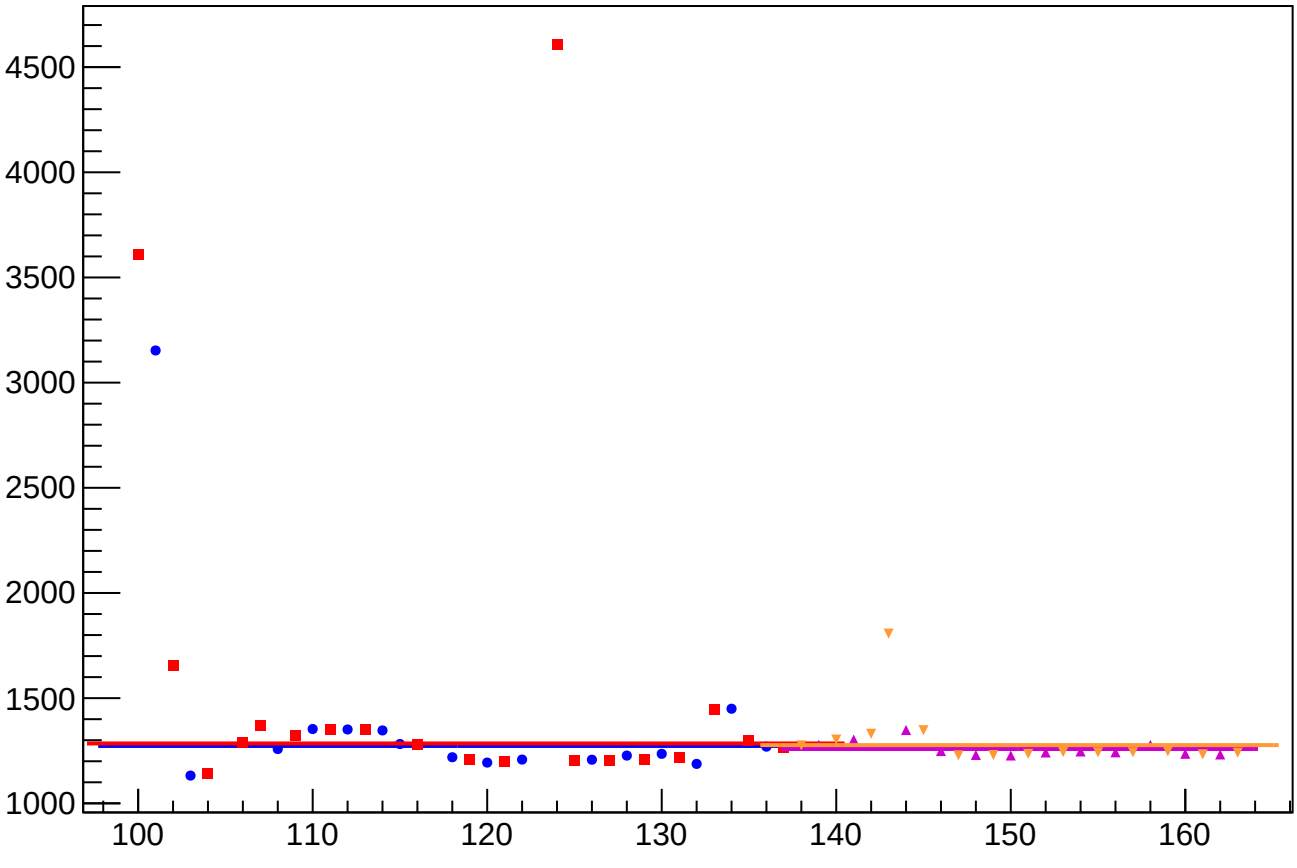
Left: -176.184+/-273.462 χ^2/NDF: 25.5/25

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 168.286+/-303.754 χ^2/NDF:27.2/27

Out: -322.256+/-299.518 χ^2/NDF:33.5/32

All: -80.429+/-213.273 χ^2/NDF: 62.0/60



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

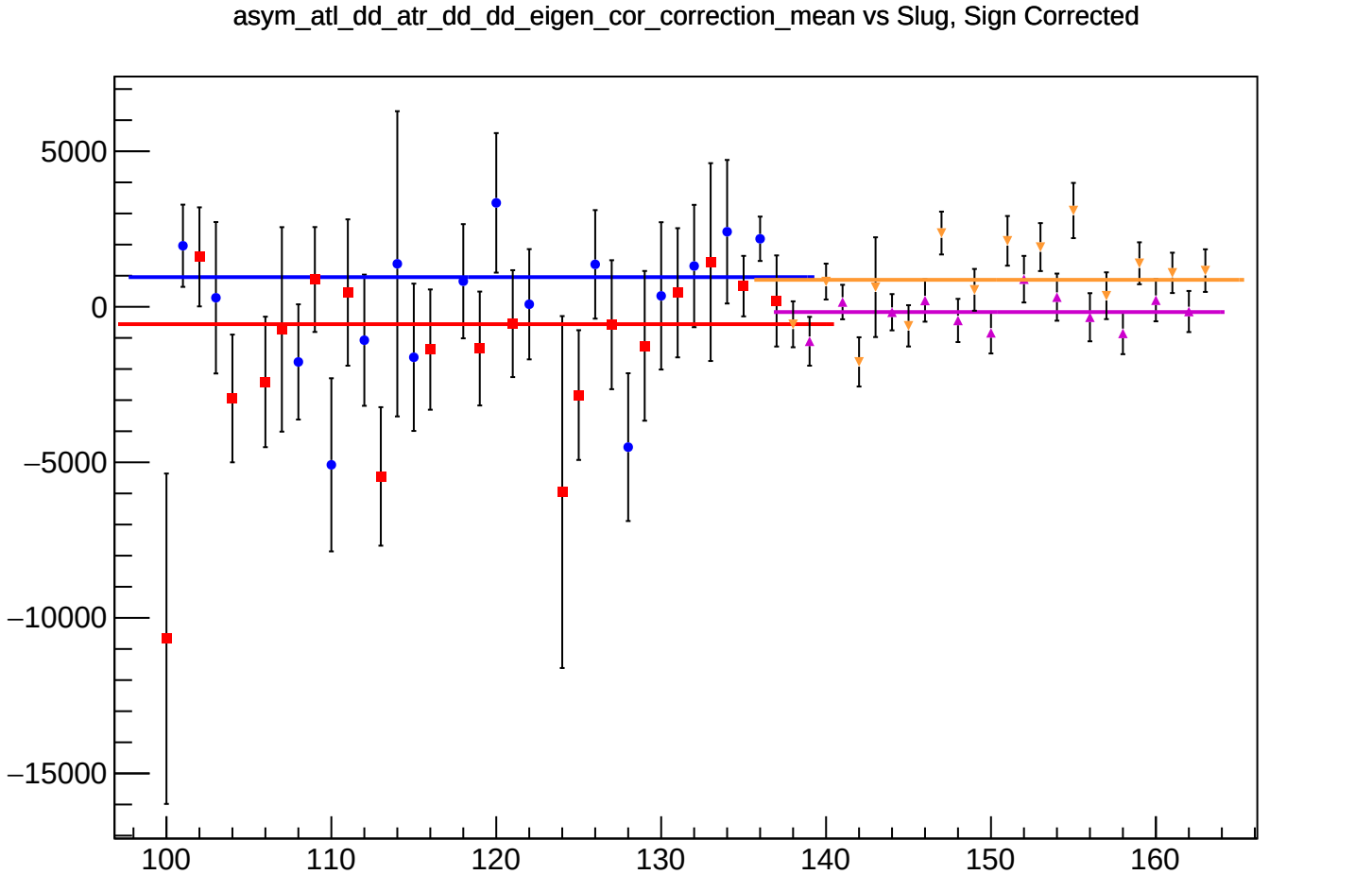
Left: 1267.683+/-0.193 χ^2/NDF: 179609.4/25

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1264.000+/-0.215 χ^2/NDF:535524.4/27

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -168.722+/-195.265 χ^2/NDF:7.0/11

Left: 351.175+/-137.814 χ^2/NDF: 58.0/25

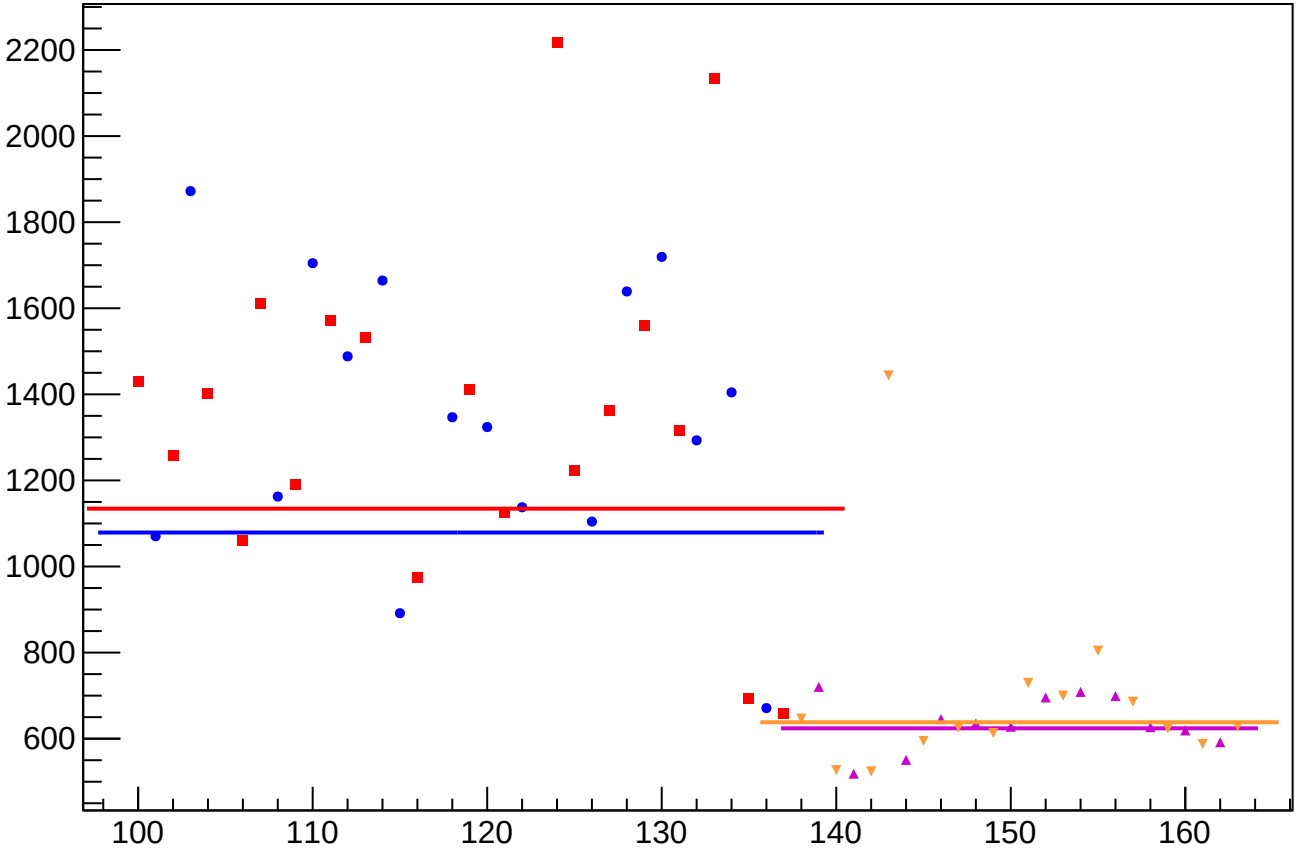
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.491+/-177.482 χ^2/NDF:32.7/27

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 329.826+/-125.671 χ^2/NDF: 102.5/60

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

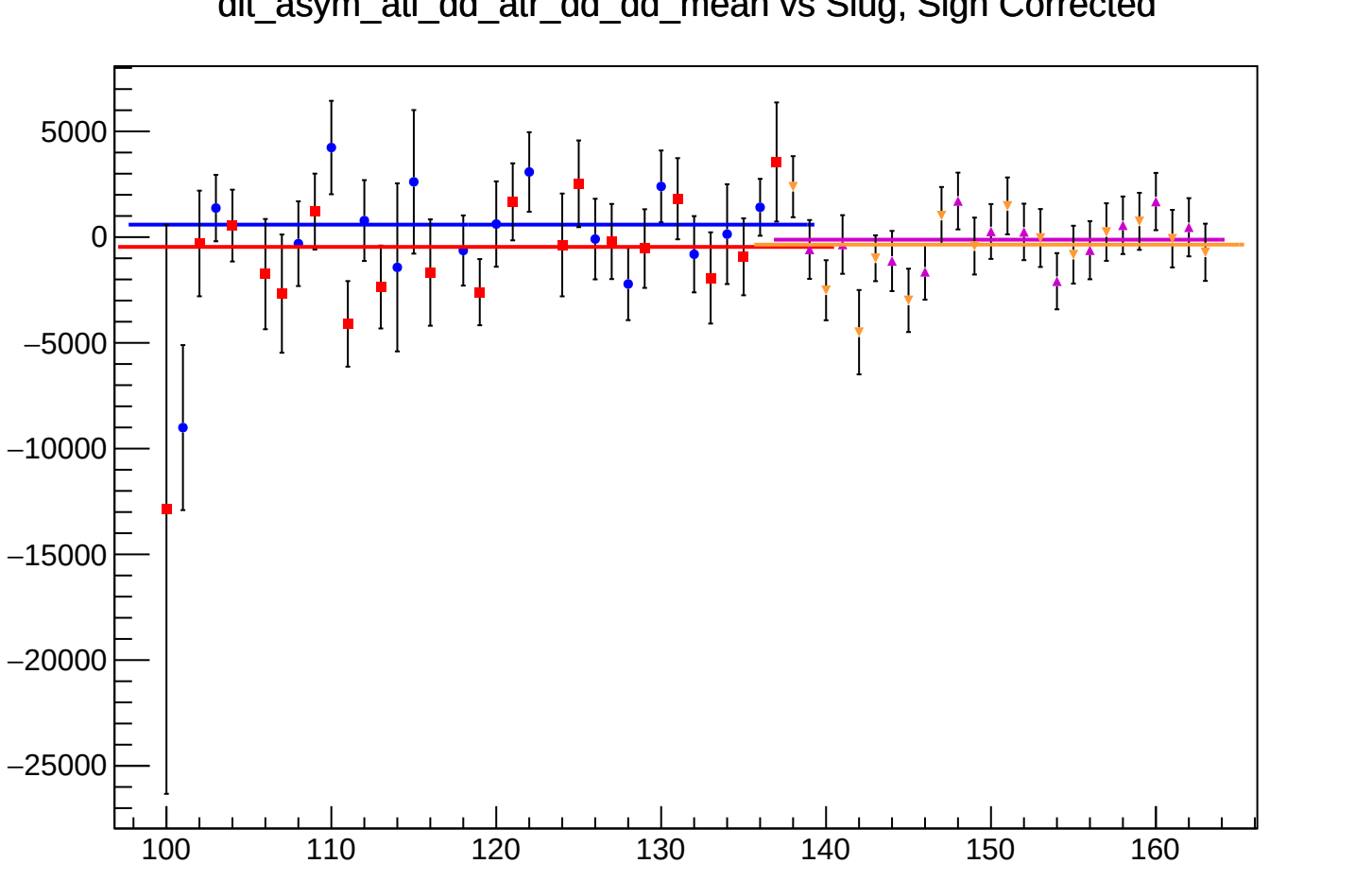
Left: 631.149+/-0.097 χ^2/NDF: 972712.1/25

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 703.141+/-0.125 χ^2/NDF:3569135.8/27

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -120.664+/-391.327 χ^2/NDF:8.5/11

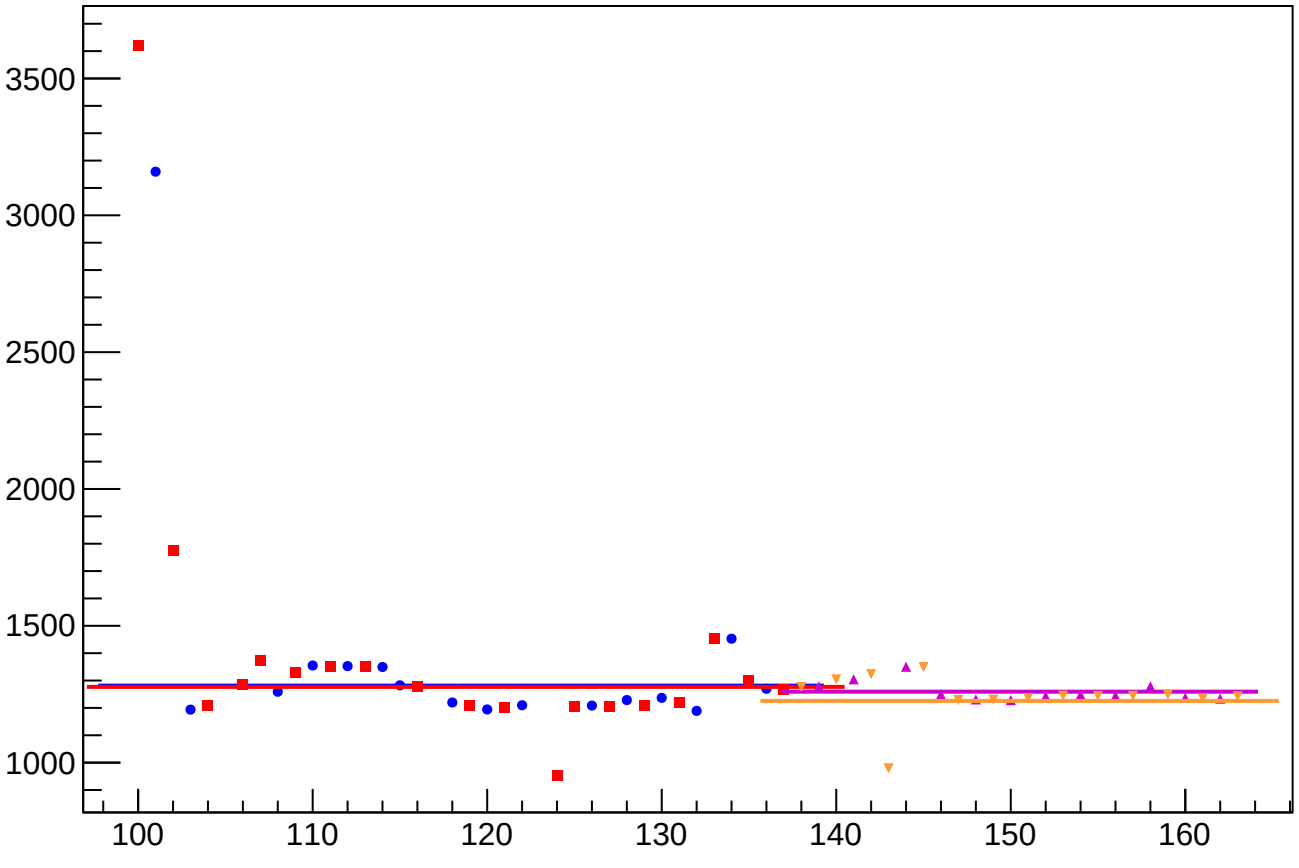
Left: -245.057+/-267.711 χ^2/NDF: 26.4/25

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 159.350+/-304.673 χ^2/NDF:26.9/27

Out: -394.719+/-290.844 χ^2/NDF:34.4/32

All: -130.544+/-210.377 χ^2/NDF: 63.1/60



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.8/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1259.319+/-0.277 χ^2/NDF:15207.8/11

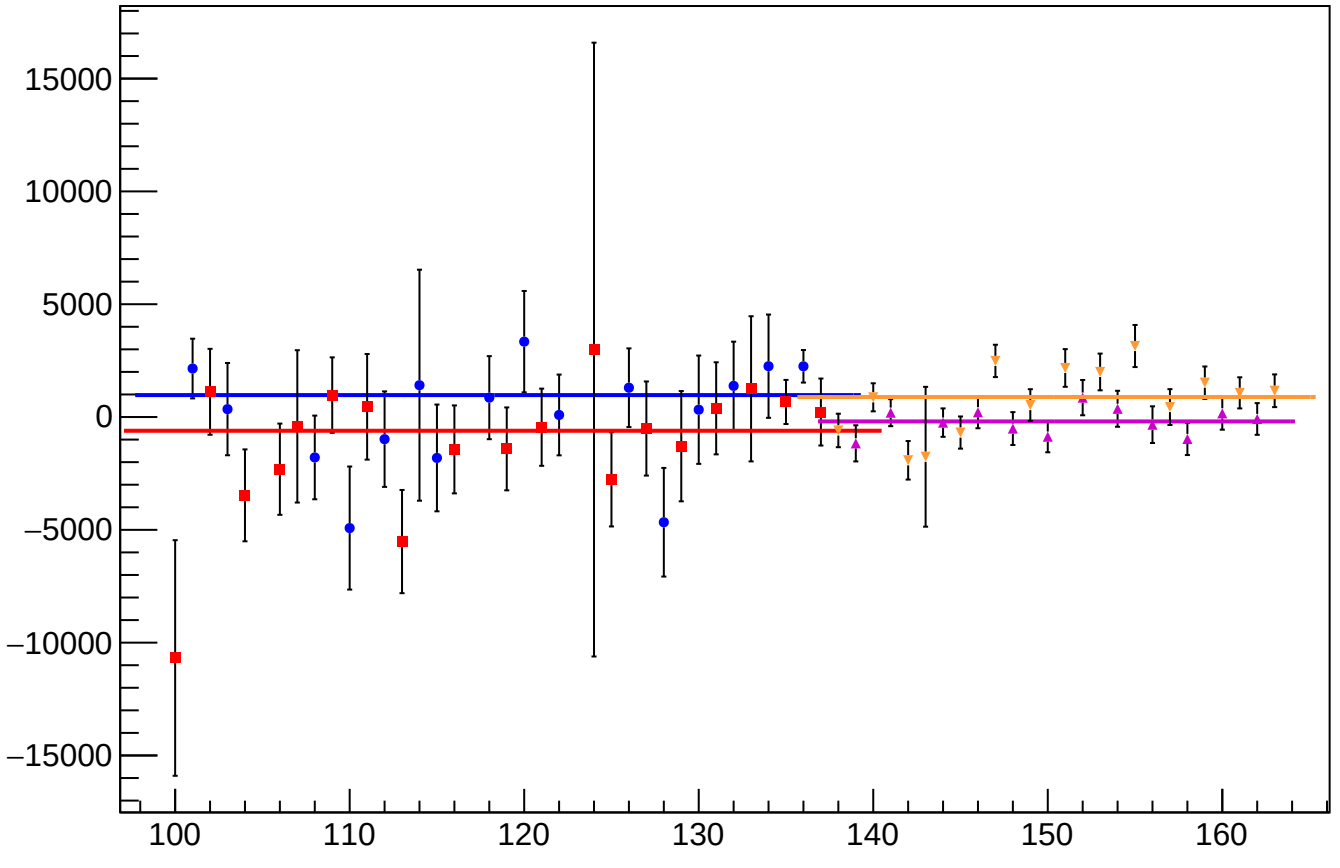
Left: 1241.342+/-0.189 χ^2/NDF: 155602.8/25

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1268.003+/-0.215 χ^2/NDF:524787.1/27

Out: 1244.629+/-0.206 χ^2/NDF:367531.3/32

All: 1255.773+/-0.149 χ^2/NDF: 898477.4/60



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -194.513+/-206.522 χ^2/NDF:7.2/11

Left: 346.522+/-146.027 χ^2/NDF: 57.9/25

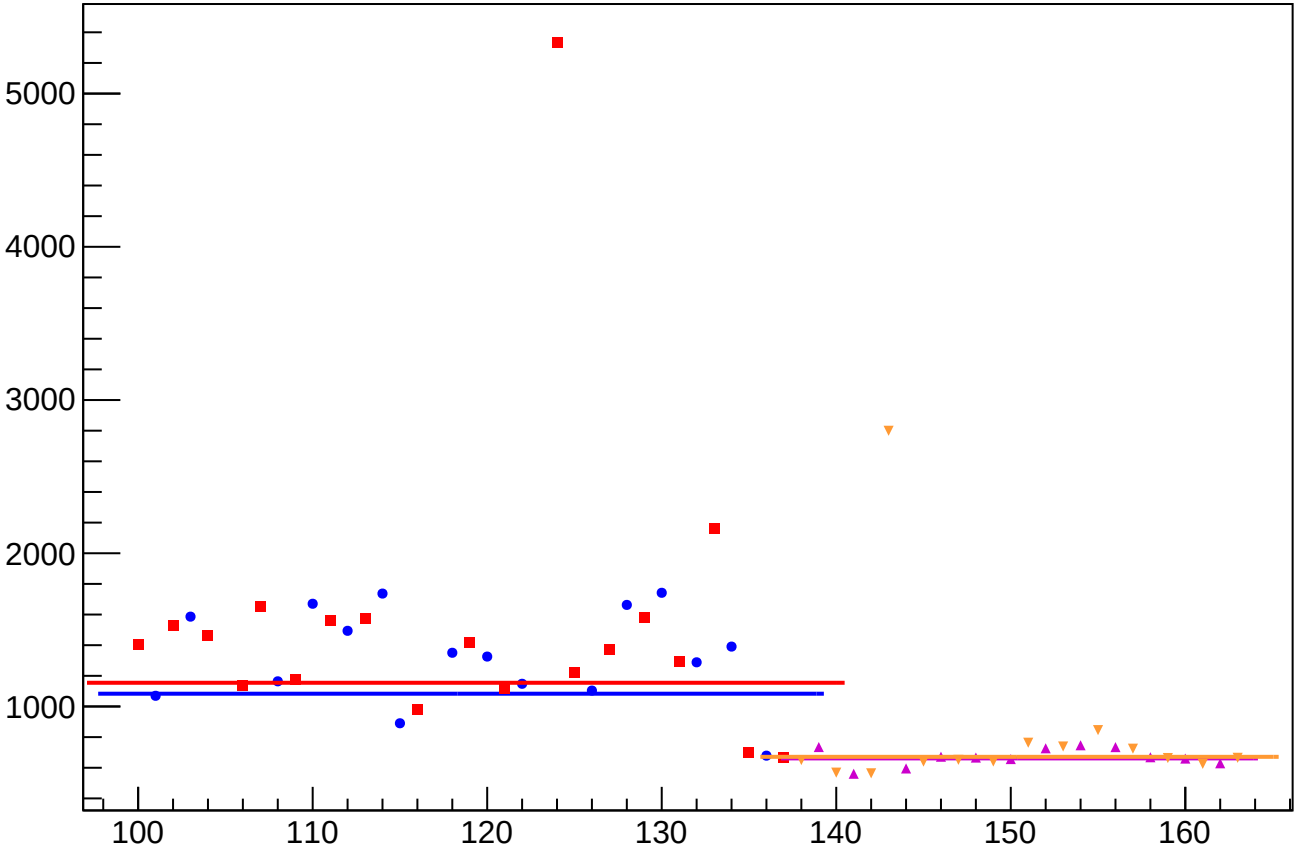
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 28.189+/-185.771 χ^2/NDF:33.7/27

Out: 625.068+/-187.520 χ^2/NDF:63.4/32

All: 323.832+/-131.974 χ^2/NDF: 102.2/60

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 671.408+/-0.146 χ^2/NDF:1166584.2/13

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.023+/-0.146 χ^2/NDF:153484.8/11

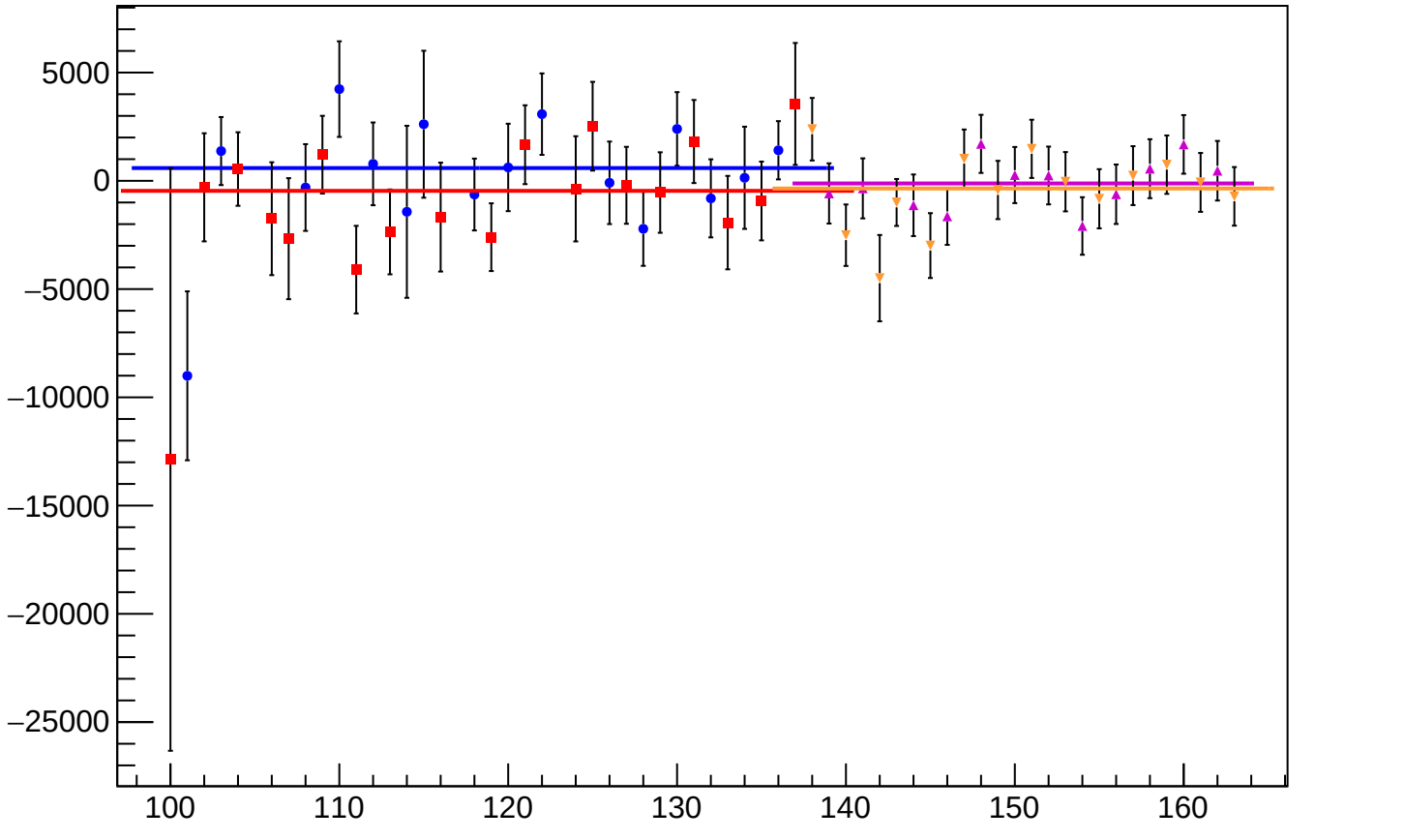
Left: 666.216+/-0.103 χ^2/NDF: 1322597.8/25

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 741.628+/-0.131 χ^2/NDF:3109853.0/27

Out: 756.187+/-0.133 χ^2/NDF:4576609.4/32

All: 748.839+/-0.093 χ^2/NDF: 7692546.5/60



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -120.664+/-391.327 χ^2/NDF:8.5/11

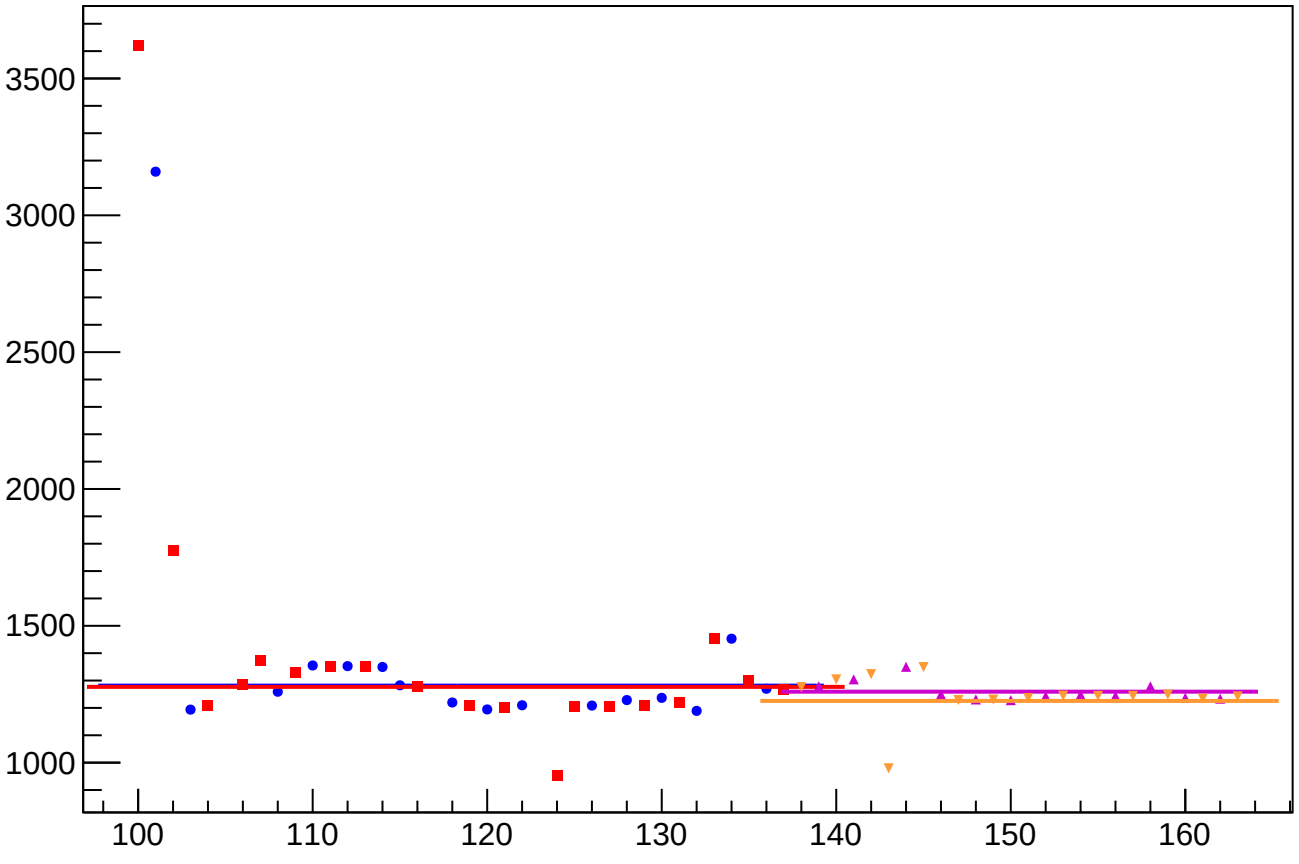
Left: -245.059+/-267.711 χ^2/NDF: 26.4/25

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 159.351+/-304.673 χ^2/NDF:26.9/27

Out: -394.721+/-290.844 χ^2/NDF:34.4/32

All: -130.544+/-210.377 χ^2/NDF: 63.1/60



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.0/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1259.319+/-0.277 χ^2/NDF:15207.9/11

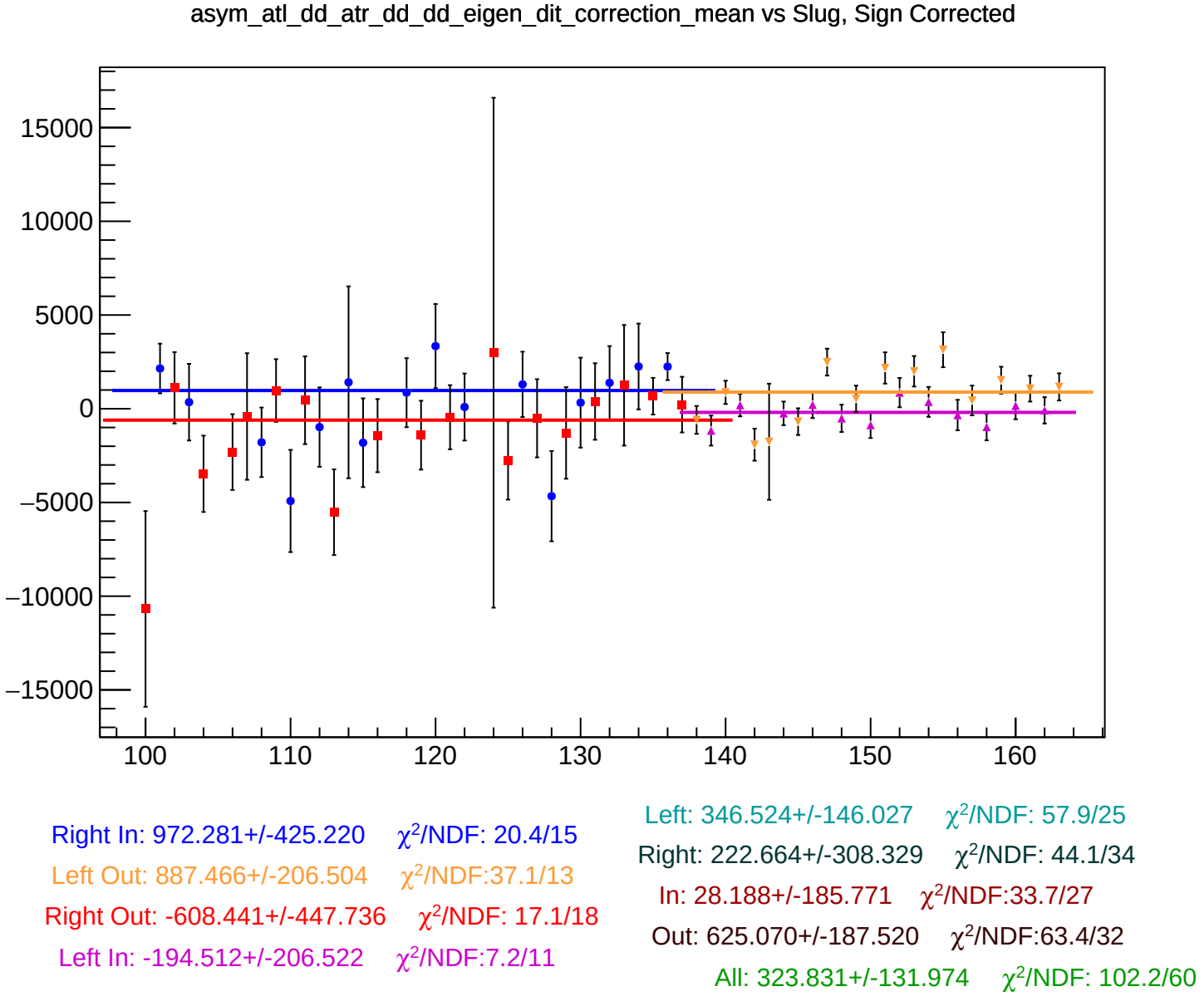
Left: 1241.342+/-0.189 χ^2/NDF: 155602.0/25

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

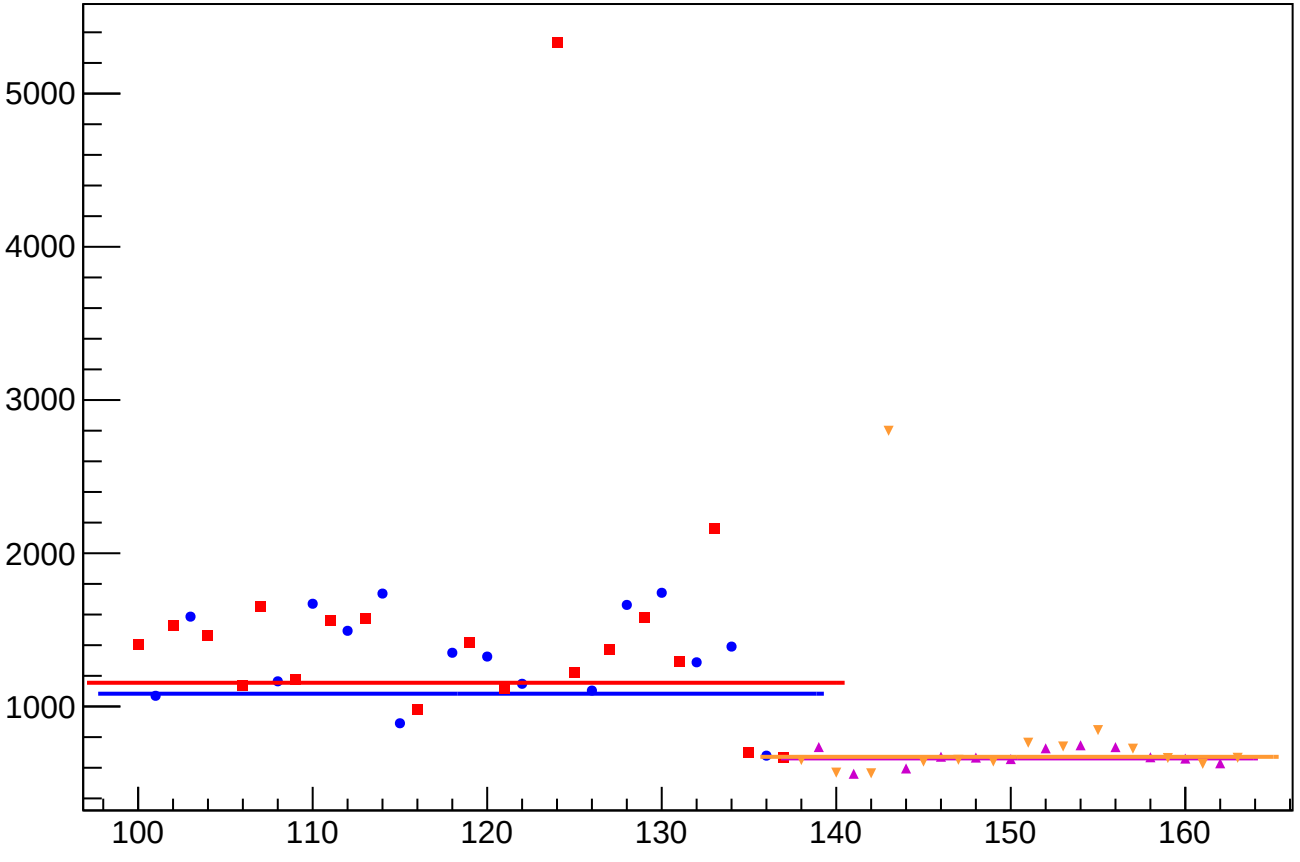
In: 1268.003+/-0.215 χ^2/NDF:524787.3/27

Out: 1244.629+/-0.206 χ^2/NDF:367530.3/32

All: 1255.773+/-0.149 χ^2/NDF: 898476.5/60


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 887.466+/-206.504 χ²/NDF:37.1/13
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -194.512+/-206.522 χ²/NDF:7.2/11
Left: 346.524+/-146.027 χ²/NDF: 57.9/25
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 28.188+/-185.771 χ²/NDF:33.7/27
Out: 625.070+/-187.520 χ²/NDF:63.4/32
All: 323.831+/-131.974 χ²/NDF: 102.2/60

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.023+/-0.146 χ^2/NDF:153488.5/11

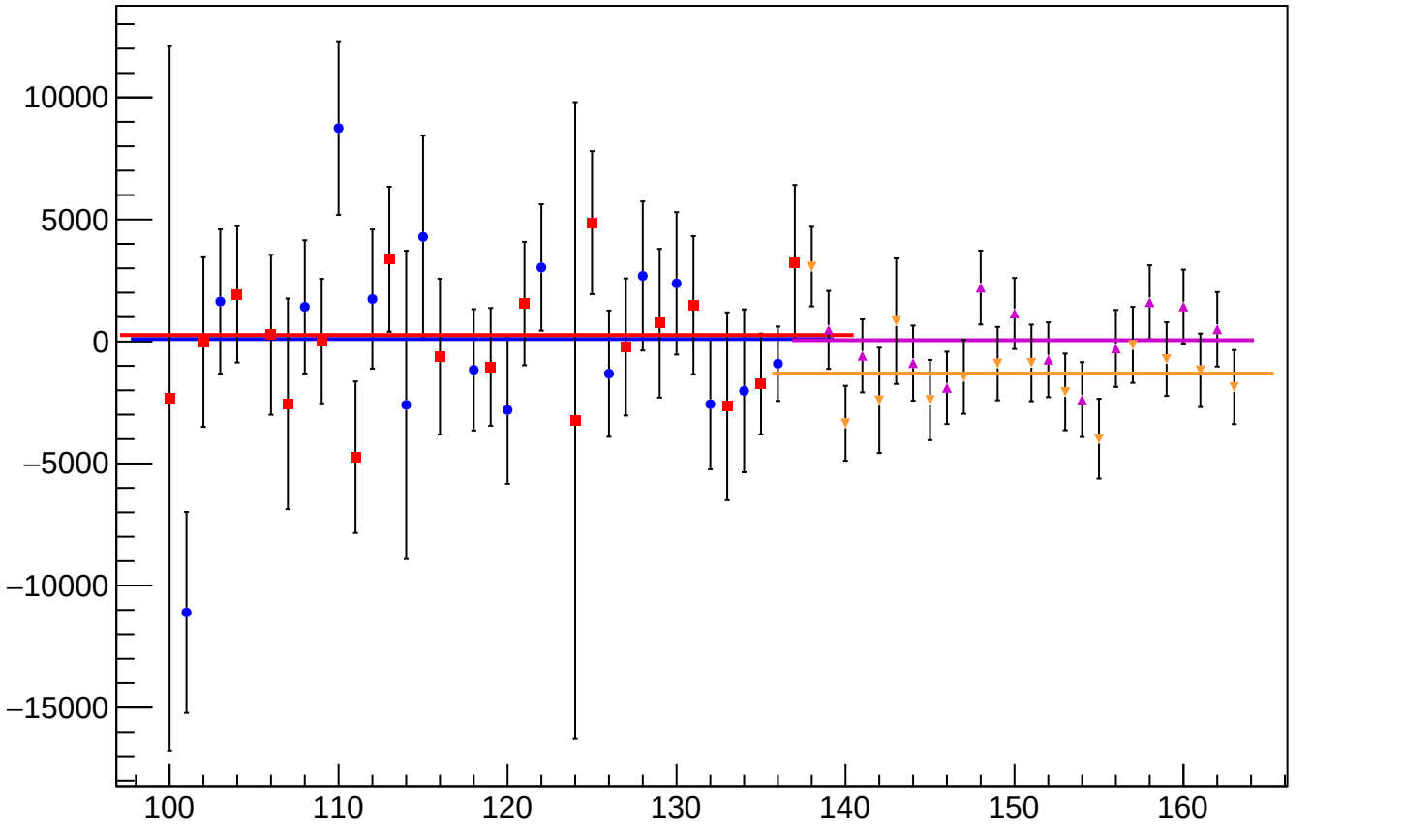
Left: 666.216+/-0.103 χ^2/NDF: 1322596.3/25

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 741.629+/-0.131 χ^2/NDF:3109839.5/27

Out: 756.188+/-0.133 χ^2/NDF:4576591.5/32

All: 748.840+/-0.093 χ^2/NDF: 7692515.6/60



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 54.404+/-439.479 χ^2/NDF:9.8/11

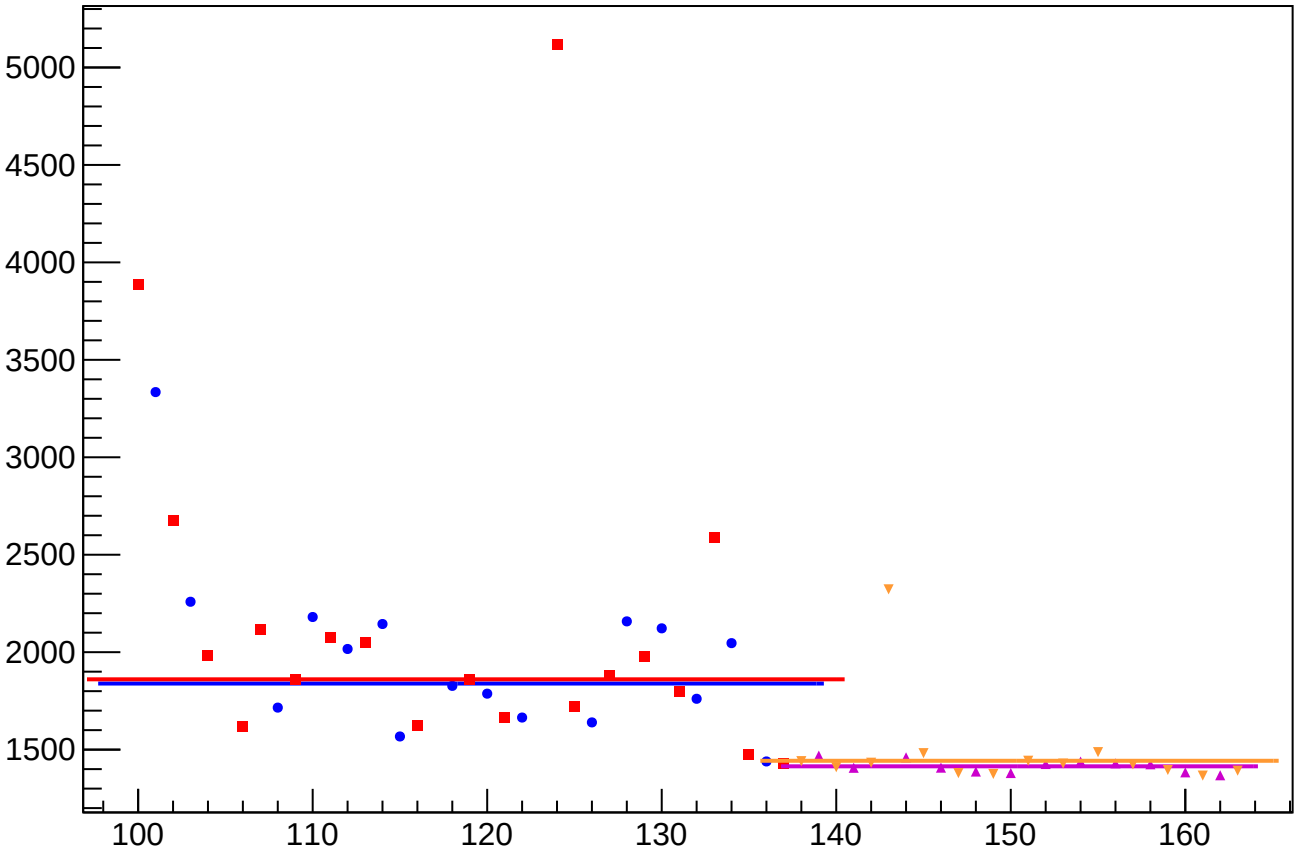
Left: -636.653+/-308.565 χ^2/NDF: 28.9/25

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 67.450+/-372.050 χ^2/NDF:31.1/27

Out: -872.963+/-368.412 χ^2/NDF:28.3/32

All: -407.377+/-261.784 χ^2/NDF: 62.6/60



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1442.794+/-0.306 χ^2/NDF:254731.9/13

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1414.340+/-0.311 χ^2/NDF:9546.8/11

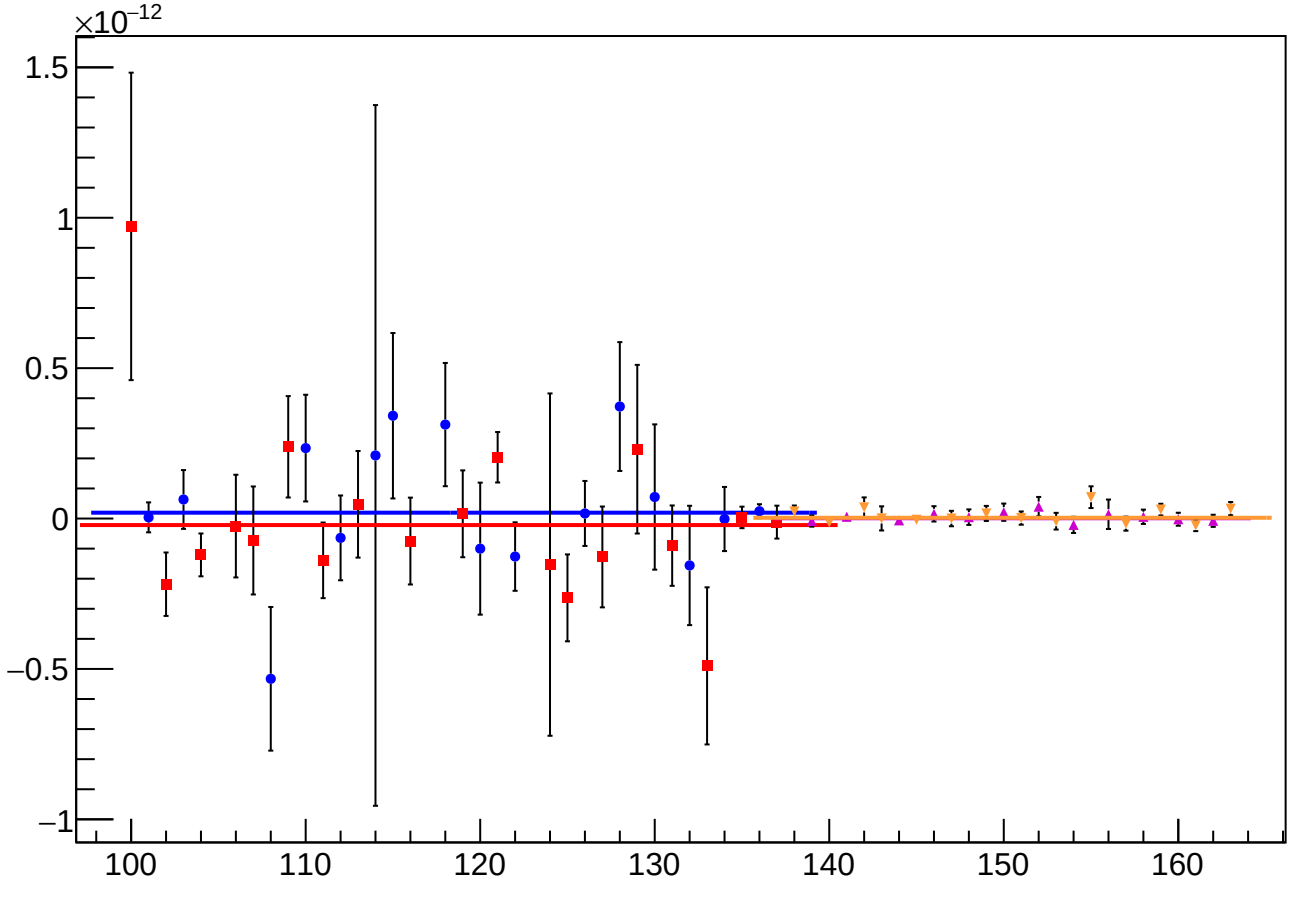
Left: 1428.767+/-0.218 χ^2/NDF: 268529.5/25

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1534.685+/-0.263 χ^2/NDF:1095619.4/27

Out: 1558.660+/-0.261 χ^2/NDF:1292624.2/32

All: 1546.790+/-0.185 χ^2/NDF: 2392436.9/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/11

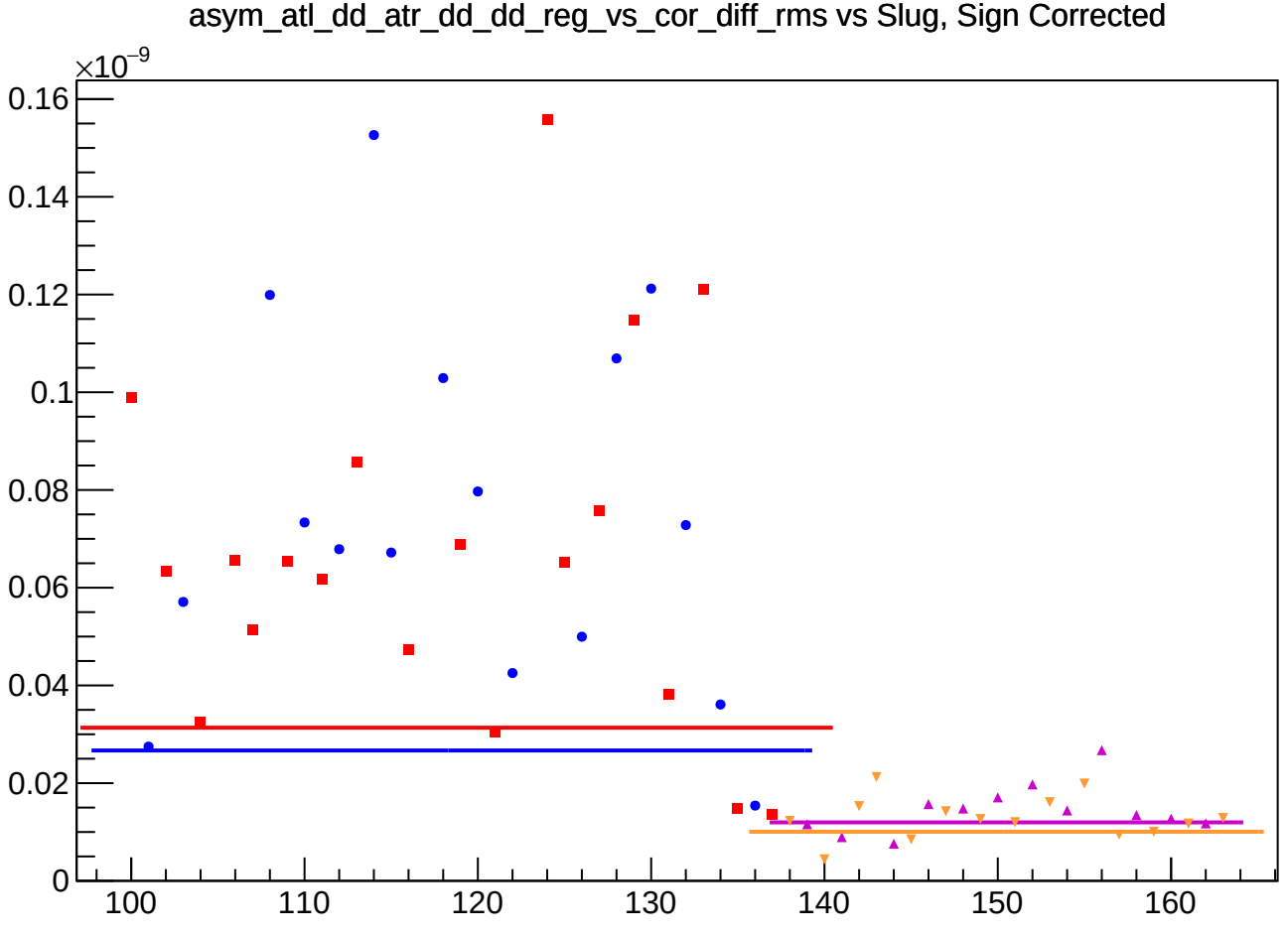
Left: 0.000+/-0.000 χ^2/NDF: 18.6/25

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/27

Out: 0.000+/-0.000 χ^2/NDF:44.0/32

All: 0.000+/-0.000 χ^2/NDF: 65.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1192092.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740427.5/11

Left: 0.000+/-0.000 χ^2/NDF: 2039171.7/25

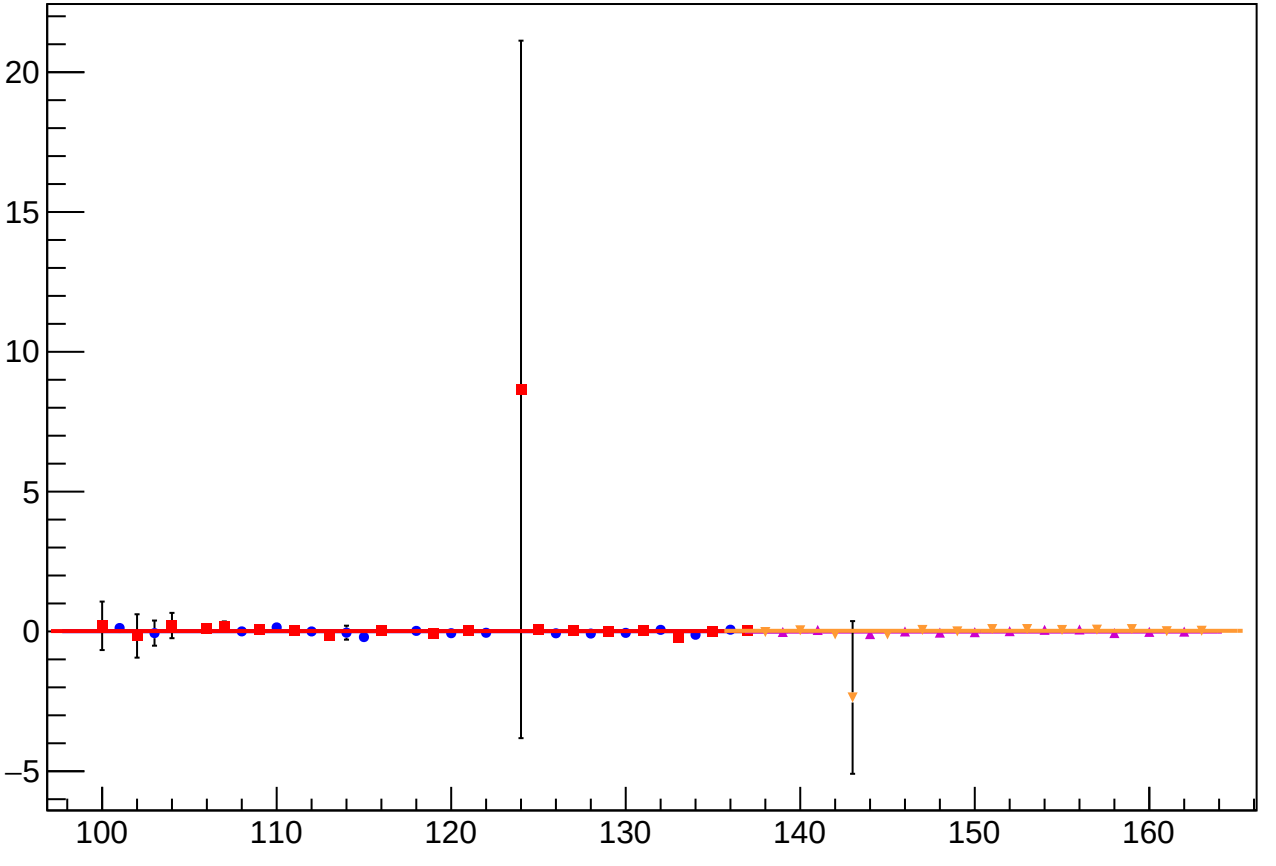
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4423573.2/27

Out: 0.000+/-0.000 χ^2/NDF:5188140.2/32

All: 0.000+/-0.000 χ^2/NDF: 9761342.1/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

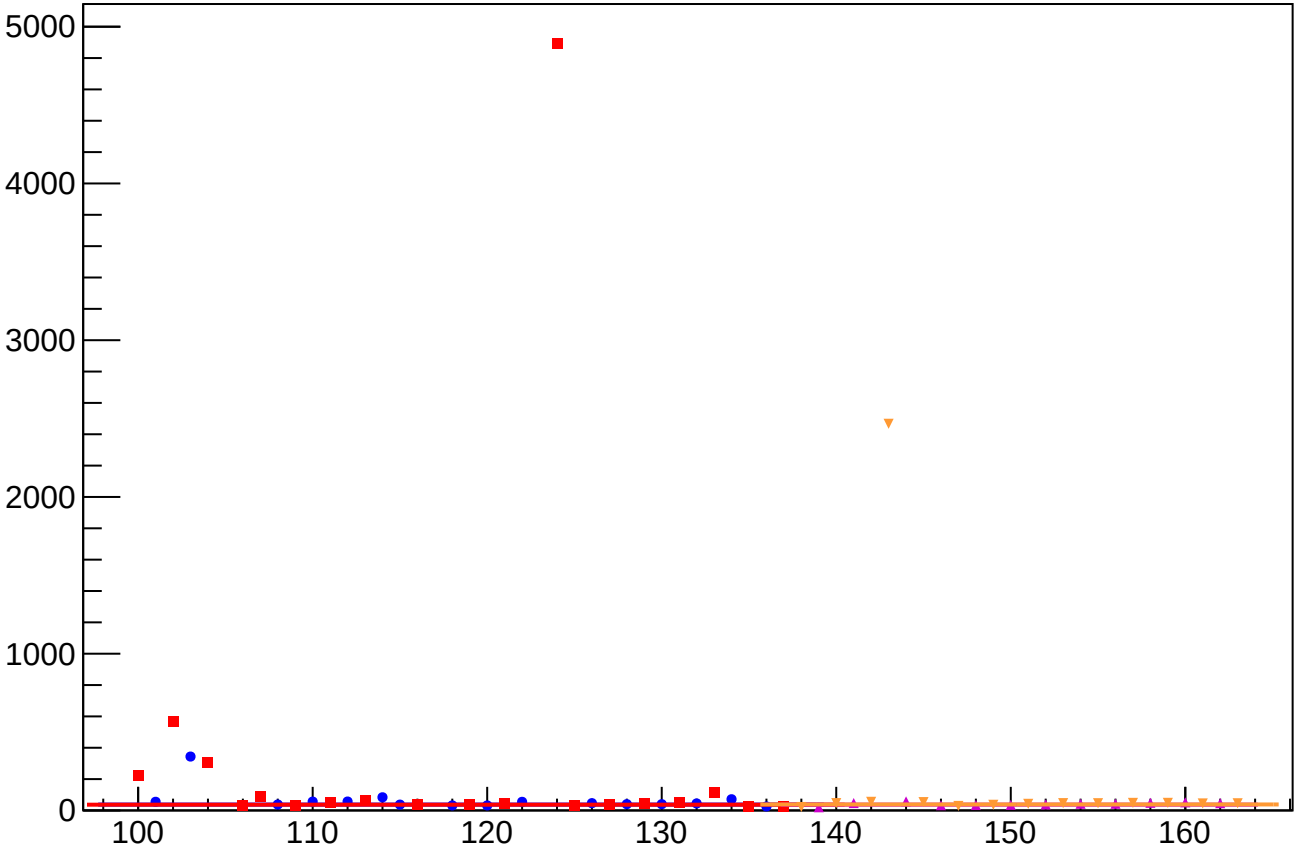
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

Left: 37.595+/-0.006 χ^2/NDF: 4372421.6/25

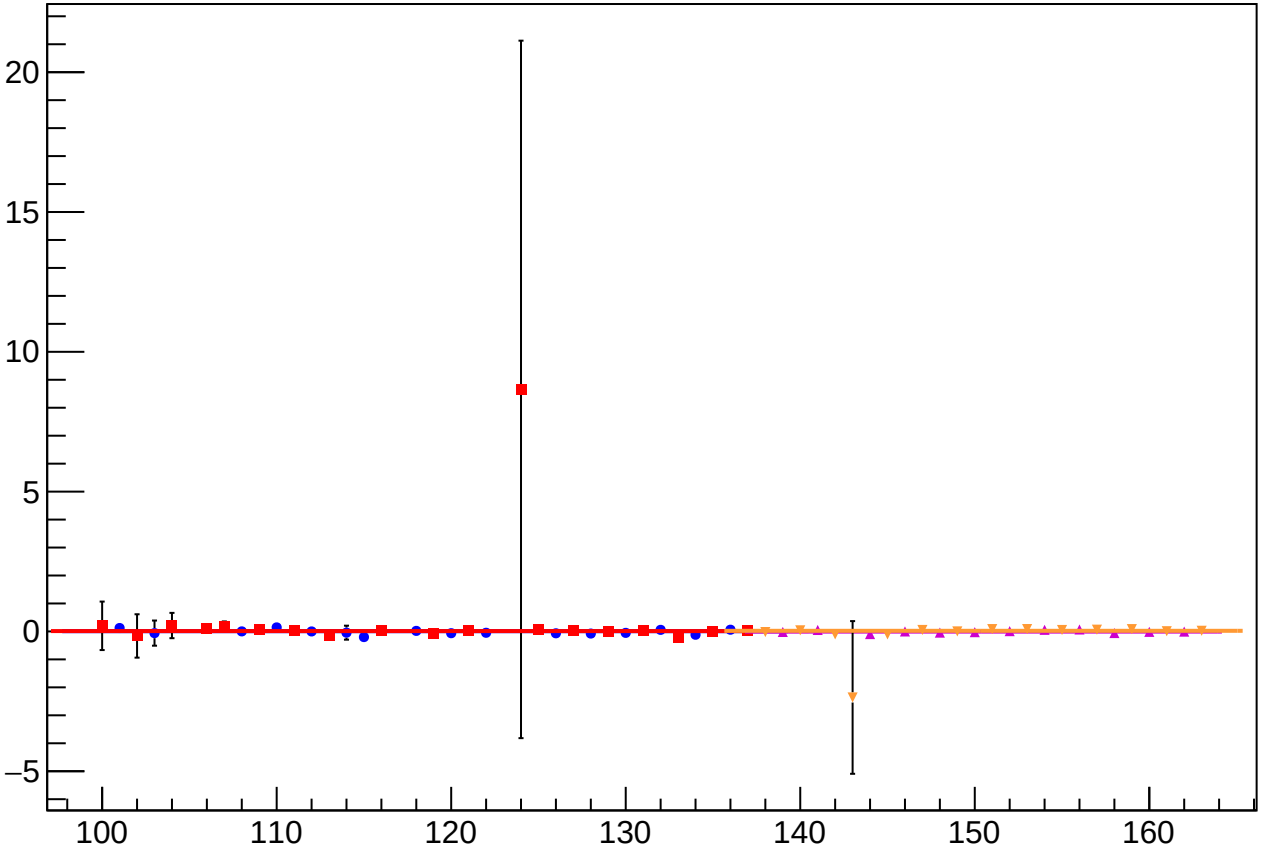
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.151+/-0.007 χ^2/NDF:3391998.4/27

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

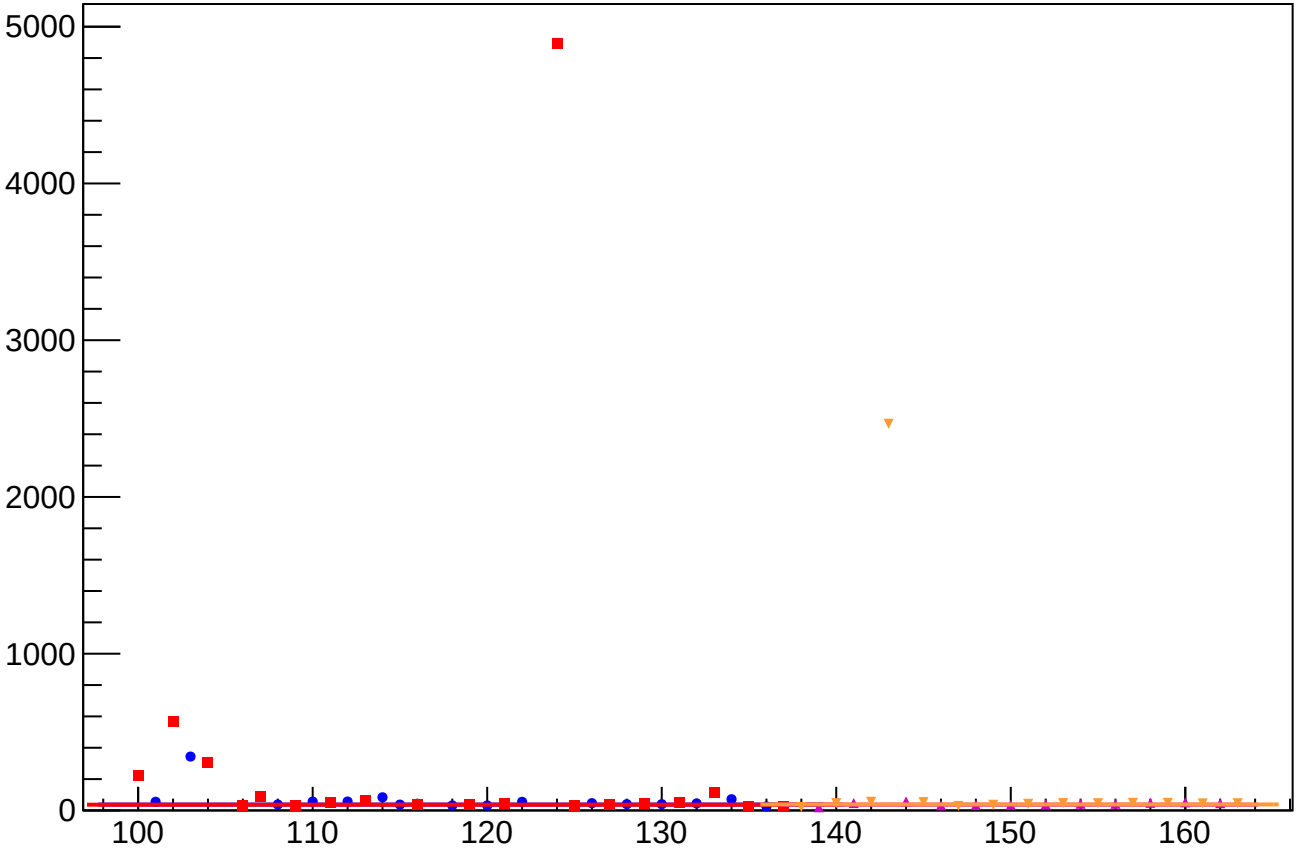
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

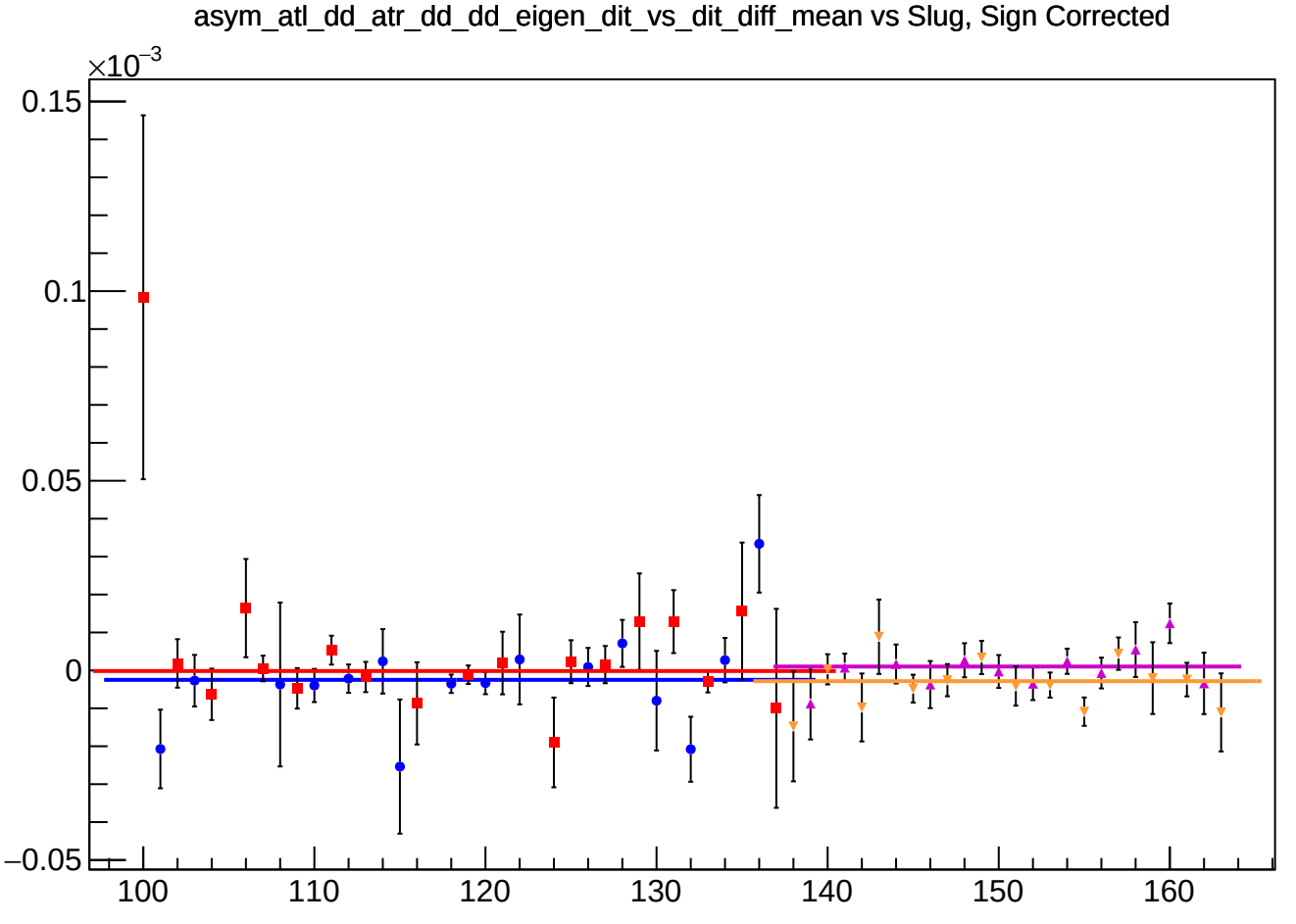
Left: 37.595+/-0.006 χ^2/NDF: 4372421.6/25

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.151+/-0.007 χ^2/NDF:3391998.4/27

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/11

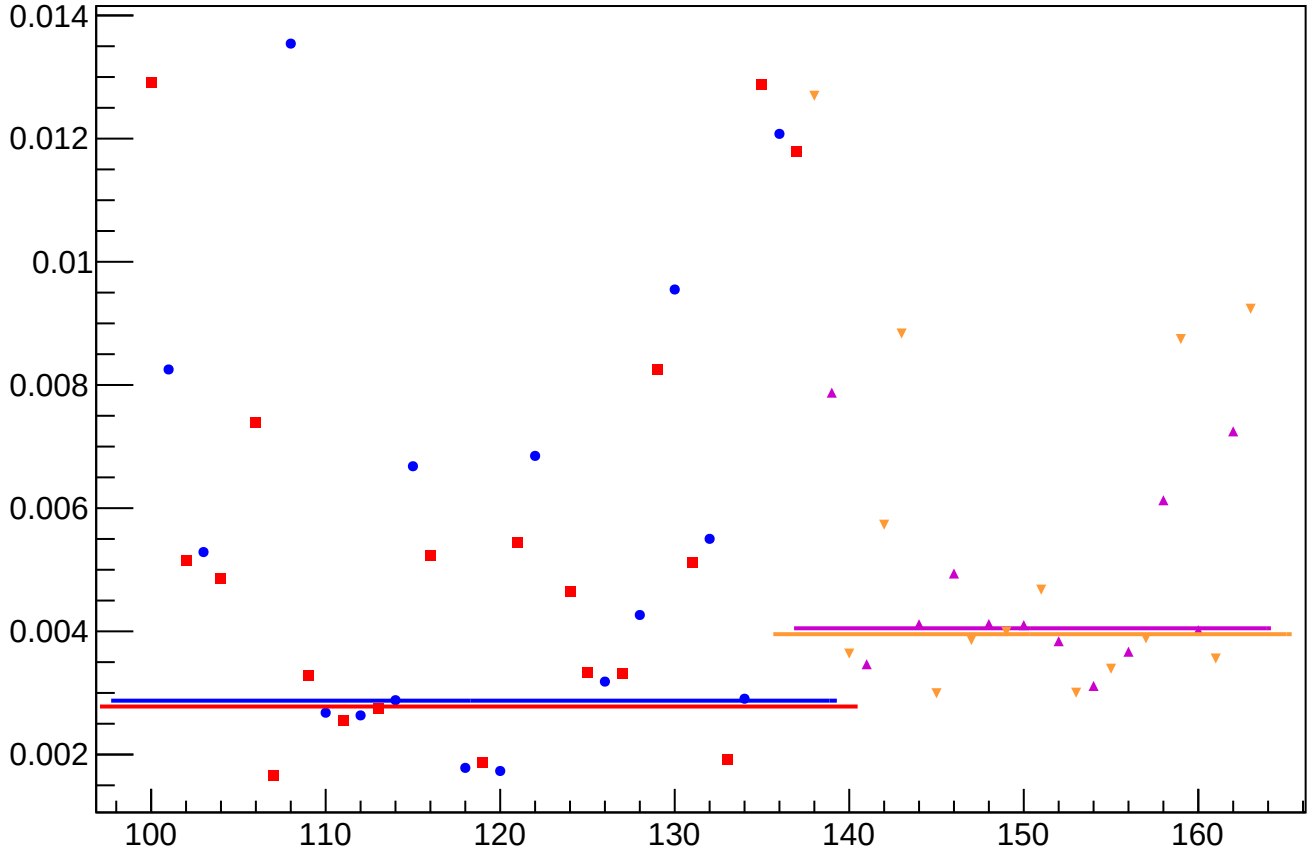
Left: -0.000+/-0.000 χ^2/NDF: 26.9/25

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.1/27

Out: -0.000+/-0.000 χ^2/NDF:35.2/32

All: -0.000+/-0.000 χ^2/NDF: 69.4/60



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2757880.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1077290.4/11

Left: 0.004+/-0.000 χ^2/NDF: 3840312.3/25

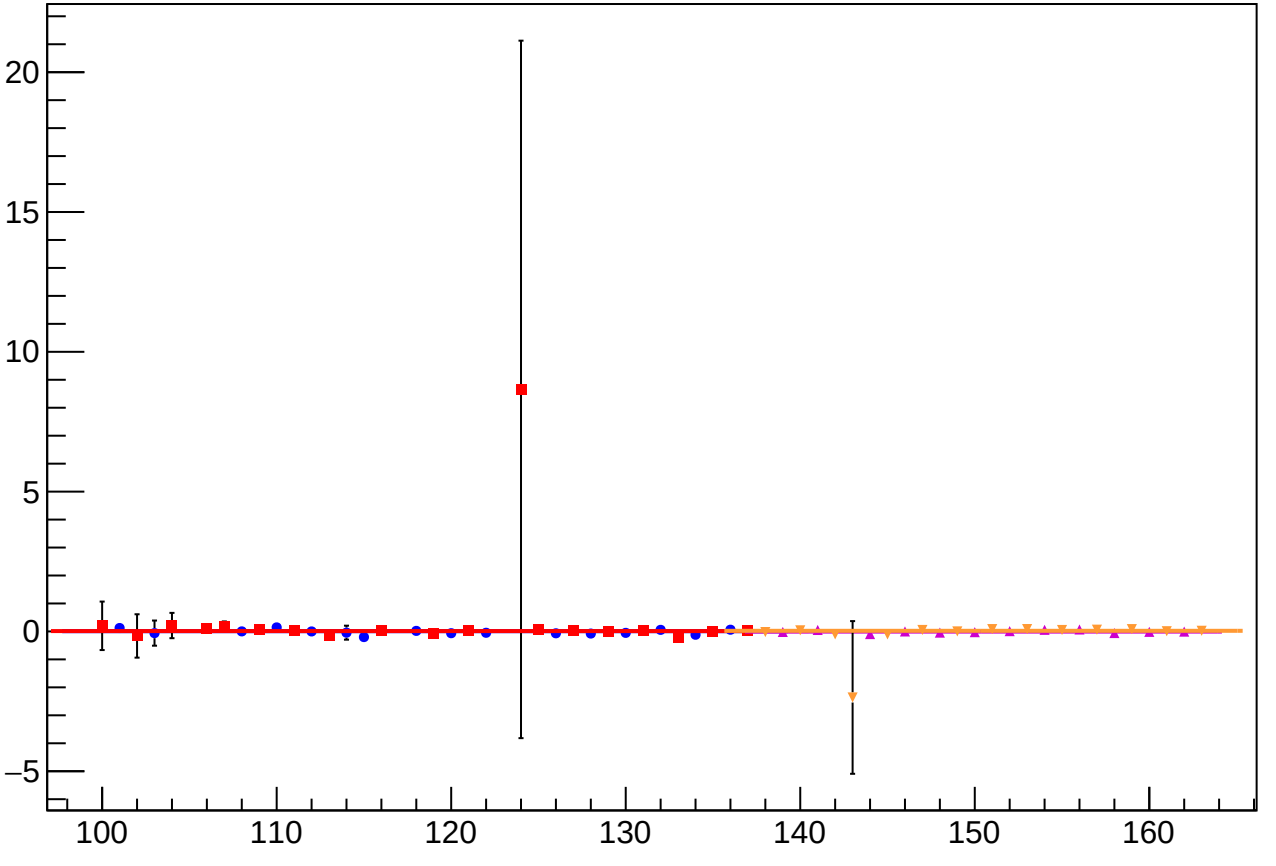
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5996128.0/27

Out: 0.003+/-0.000 χ^2/NDF:6975228.6/32

All: 0.003+/-0.000 χ^2/NDF: 12988657.8/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

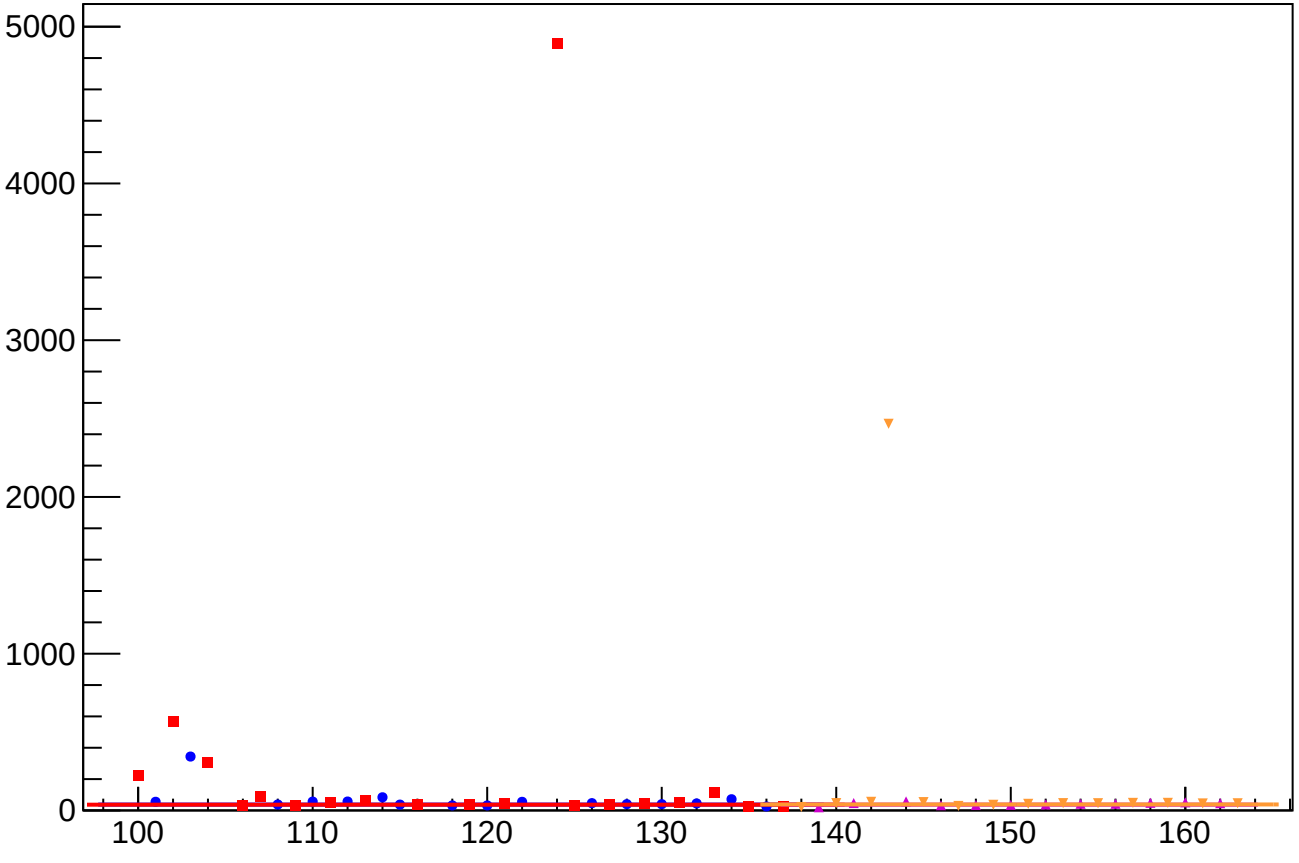
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

Left: 37.595+/-0.006 χ^2/NDF: 4371699.6/25

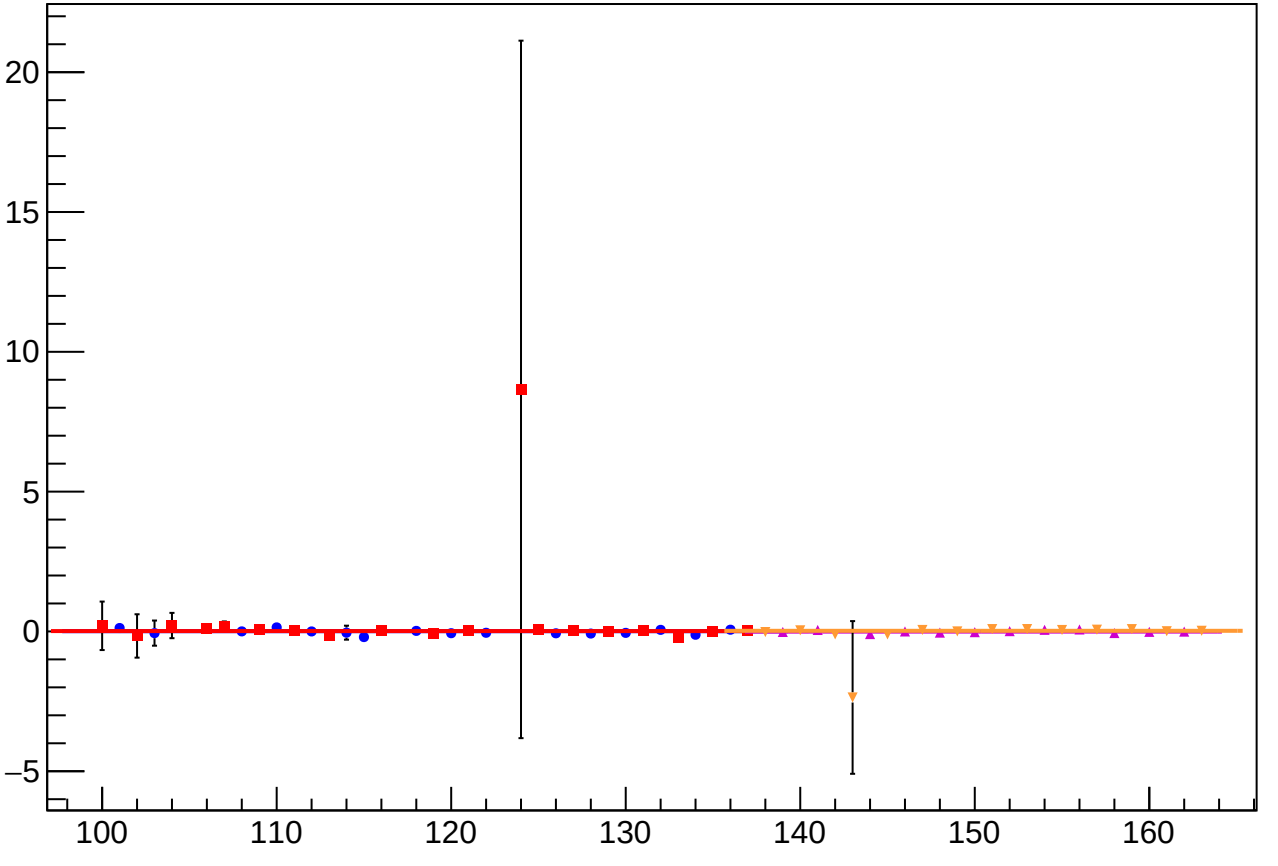
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.153+/-0.007 χ^2/NDF:3390764.1/27

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

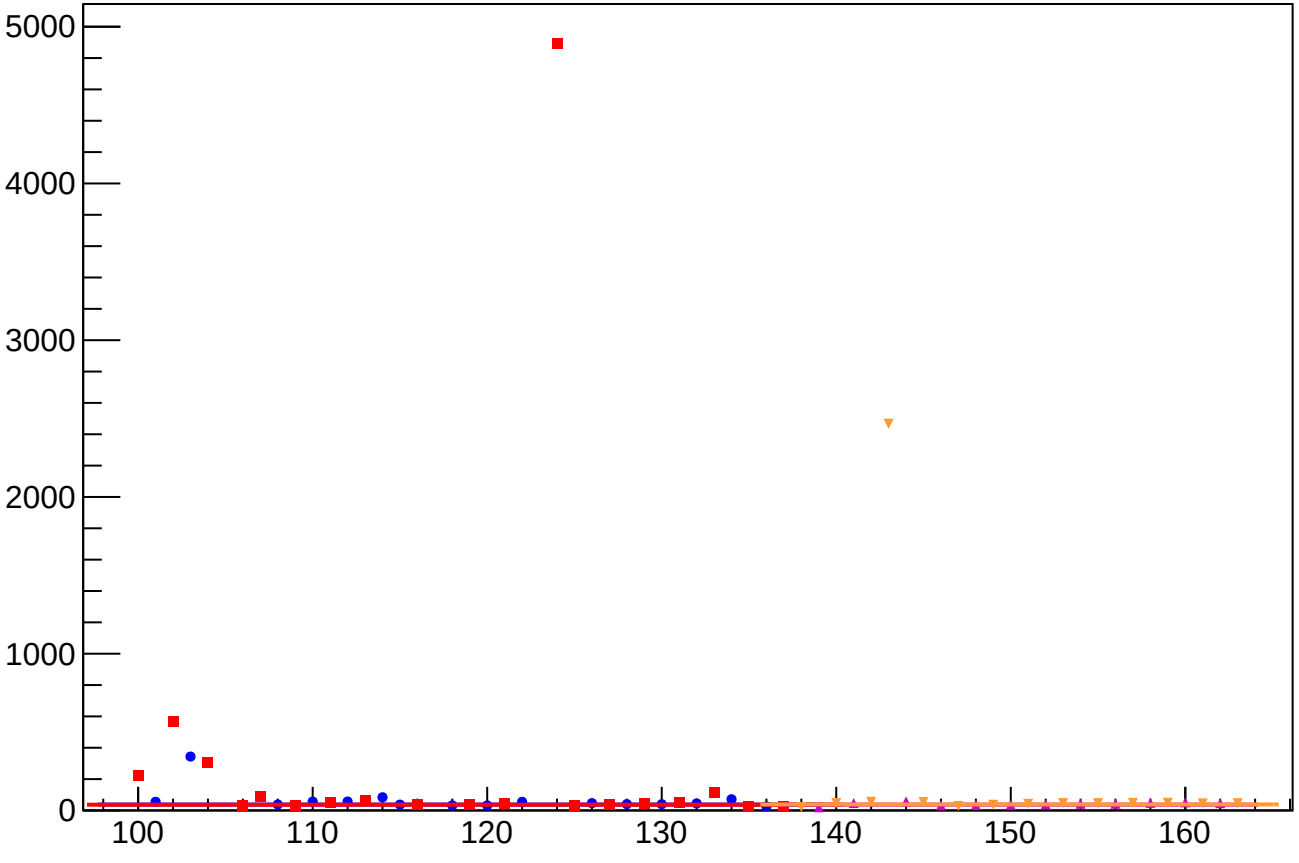
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

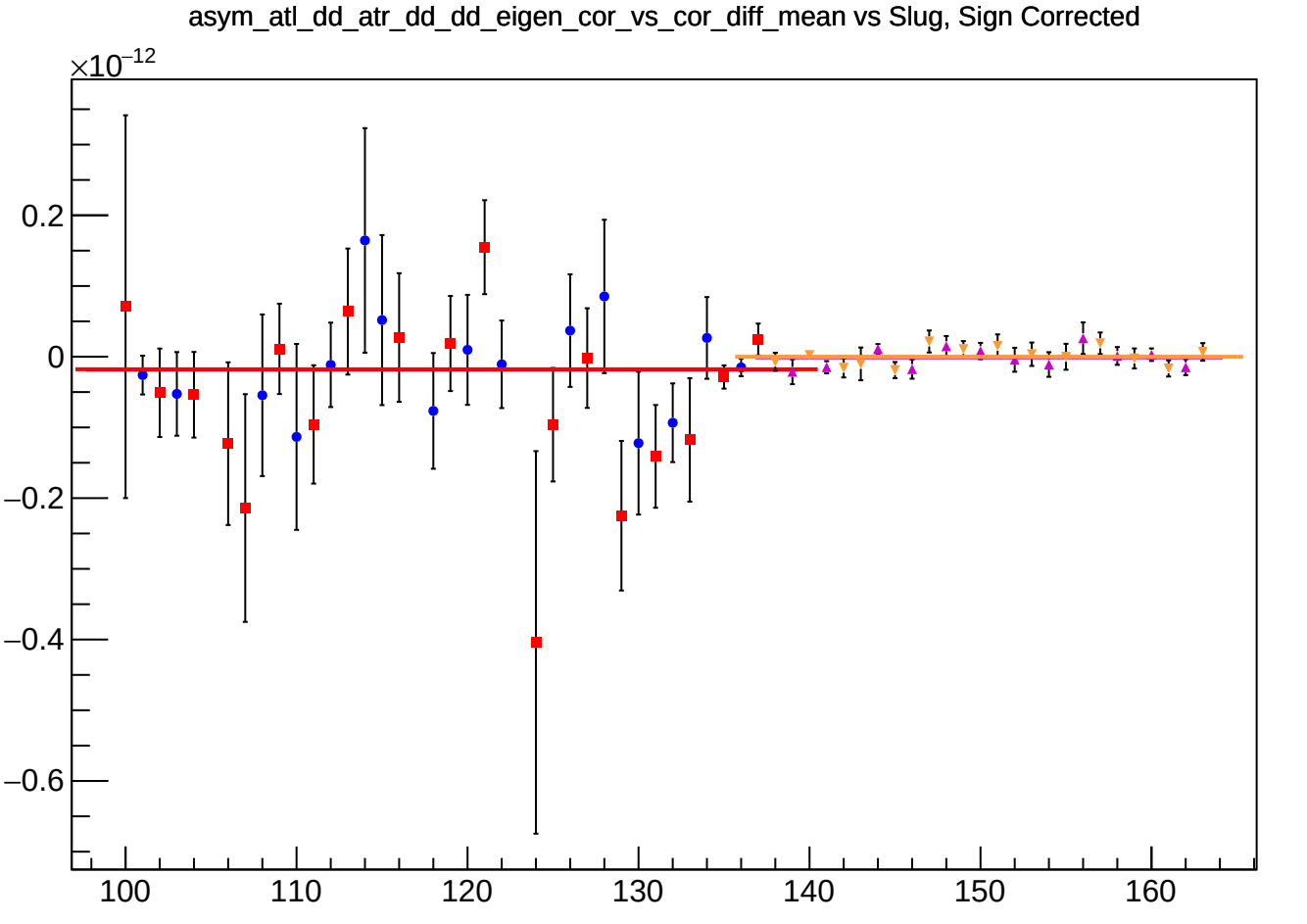
Left: 37.595+/-0.006 χ^2/NDF: 4371699.6/25

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.153+/-0.007 χ^2/NDF:3390764.1/27

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/11

Left: -0.000+/-0.000 χ^2/NDF: 26.1/25

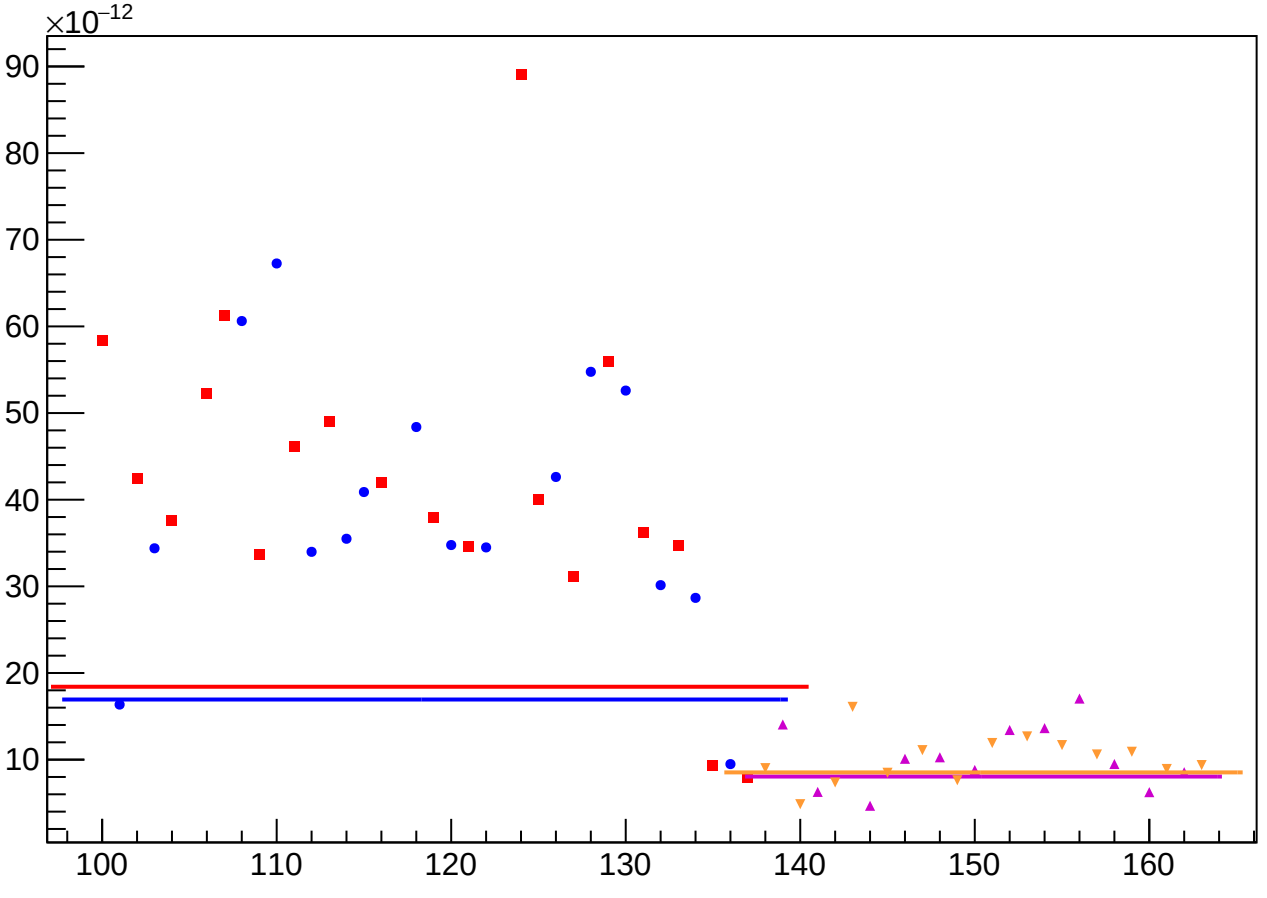
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.6/27

Out: -0.000+/-0.000 χ^2/NDF:42.1/32

All: -0.000+/-0.000 χ^2/NDF: 66.7/60

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1265752.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1721269.0/11

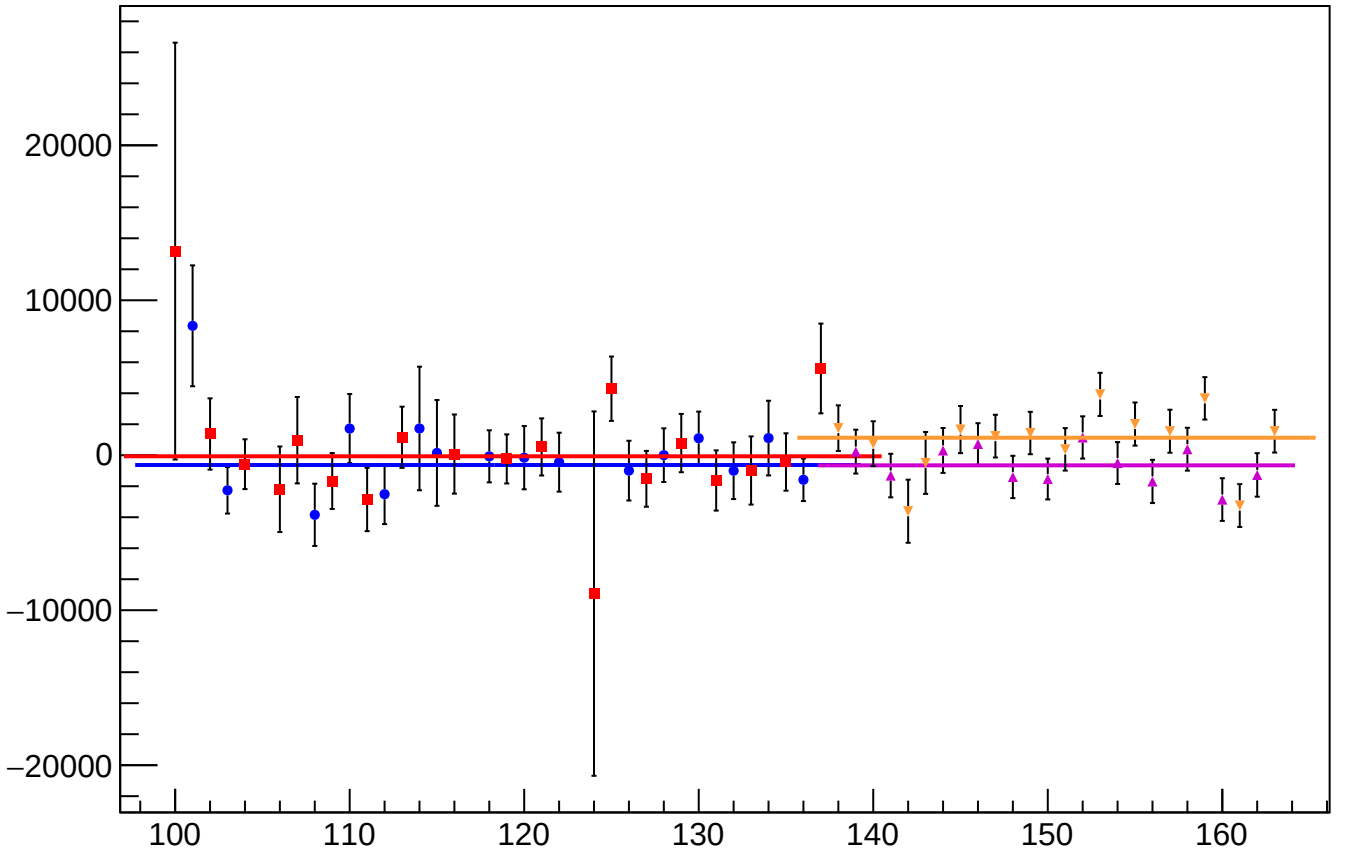
Left: 0.000+/-0.000 χ^2/NDF: 3007465.0/25

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6373737.6/27

Out: 0.000+/-0.000 χ^2/NDF:6404684.6/32

All: 0.000+/-0.000 χ^2/NDF: 12795216.4/60



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -651.480+/-398.041 χ^2/NDF:8.5/11

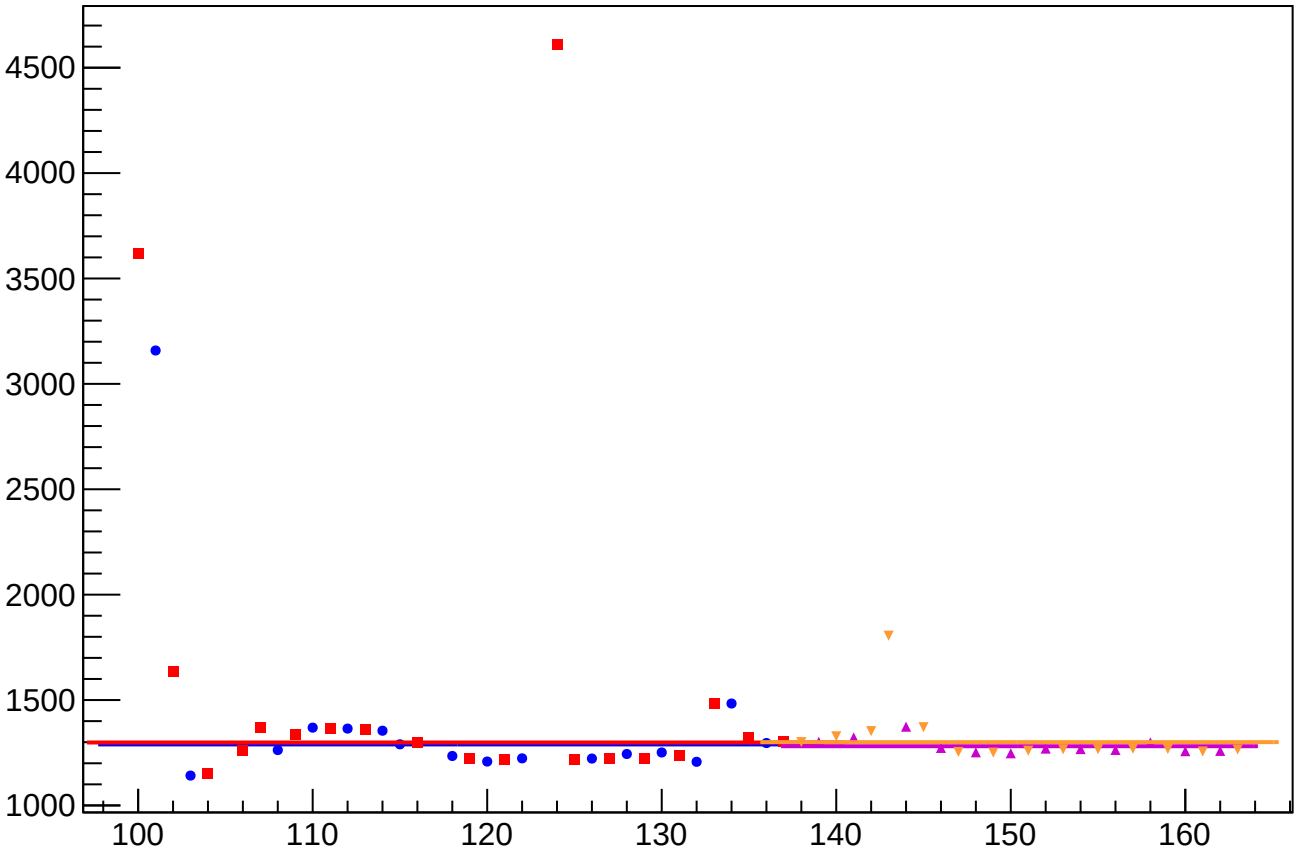
Left: 258.591+/-278.411 χ^2/NDF: 43.6/25

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -643.328+/-308.615 χ^2/NDF:22.4/27

Out: 663.758+/-304.394 χ^2/NDF:44.4/32

All: 19.216+/-216.716 χ^2/NDF: 75.9/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

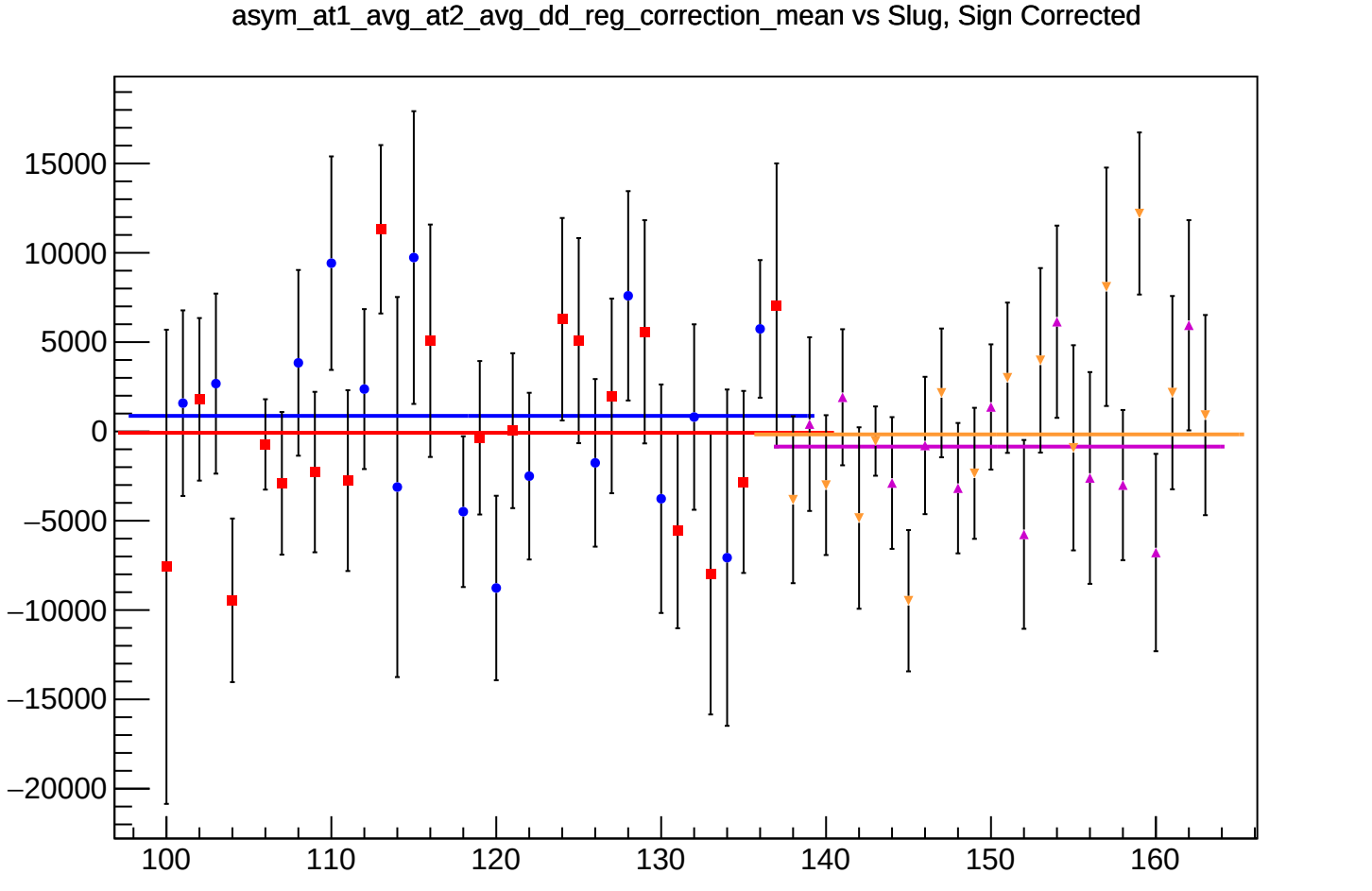
Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1284.335+/-0.218 χ^2/NDF:529806.9/27

Out: 1299.664+/-0.215 χ^2/NDF:468035.3/32

All: 1292.113+/-0.153 χ^2/NDF: 1000345.9/60



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -165.392+/-1058.655 χ^2/NDF:18.8/13

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -850.143+/-1264.028 χ^2/NDF:7.1/11

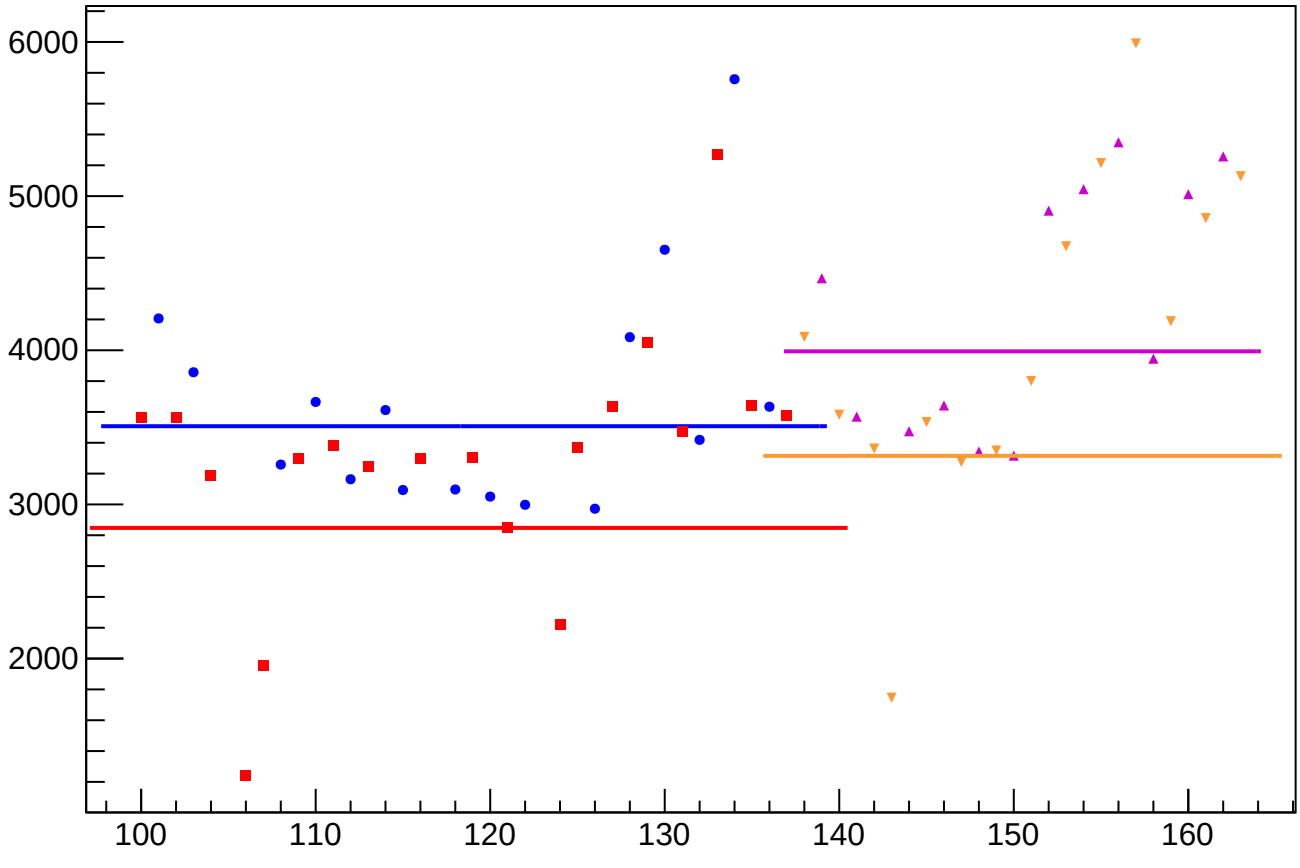
Left: -447.691+/-811.605 χ^2/NDF: 26.0/25

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -30.598+/-914.690 χ^2/NDF:22.0/27

Out: -123.484+/-766.444 χ^2/NDF:37.1/32

All: -85.169+/-587.469 χ^2/NDF: 59.1/60



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3993.063+/-0.894 χ^2/NDF:639372.8/11

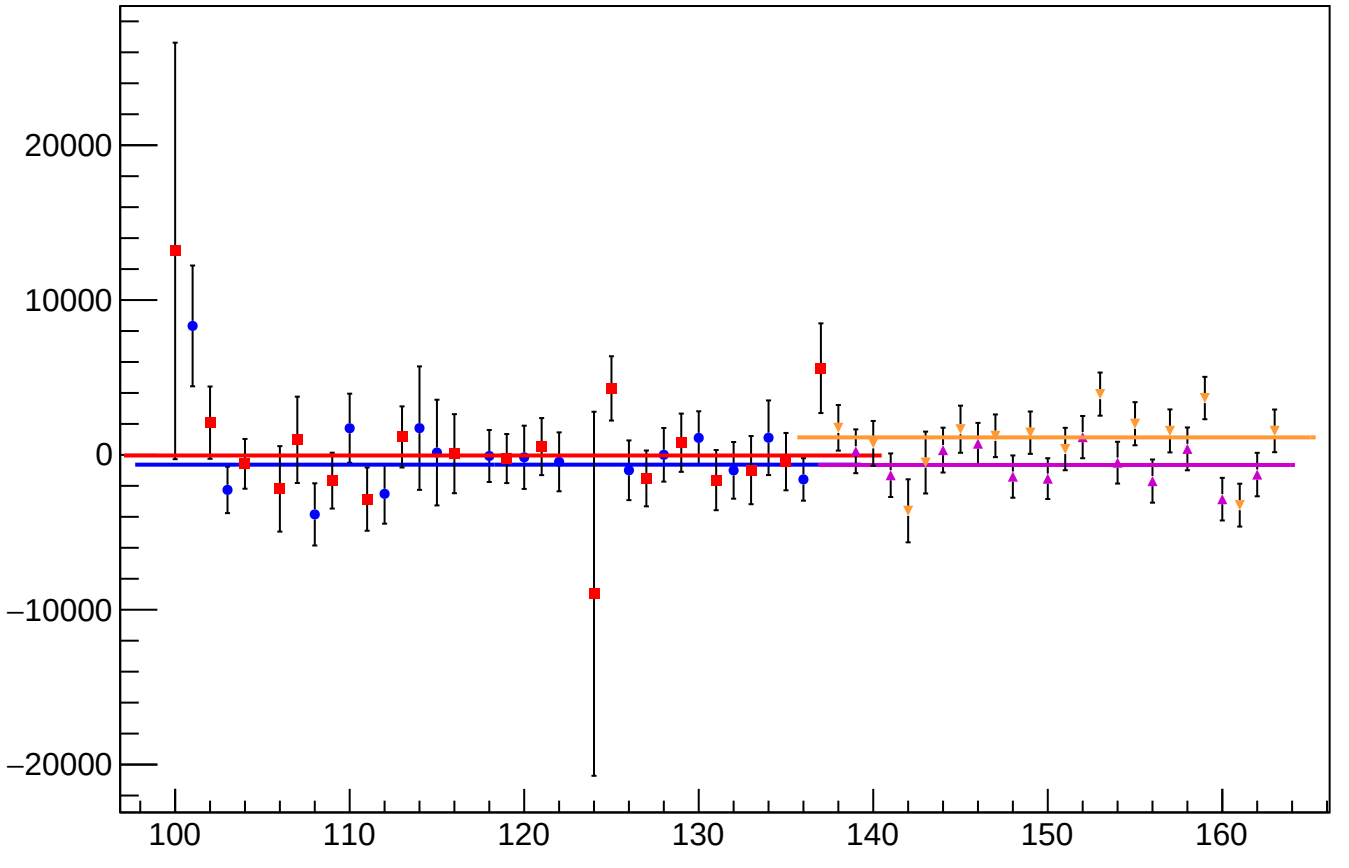
Left: 3594.585+/-0.574 χ^2/NDF: 3508636.0/25

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3761.712+/-0.647 χ^2/NDF:1133997.3/27

Out: 3092.735+/-0.542 χ^2/NDF:4215846.5/32

All: 3368.687+/-0.415 χ^2/NDF: 5978356.5/60



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -651.455+/-398.041 χ^2/NDF:8.5/11

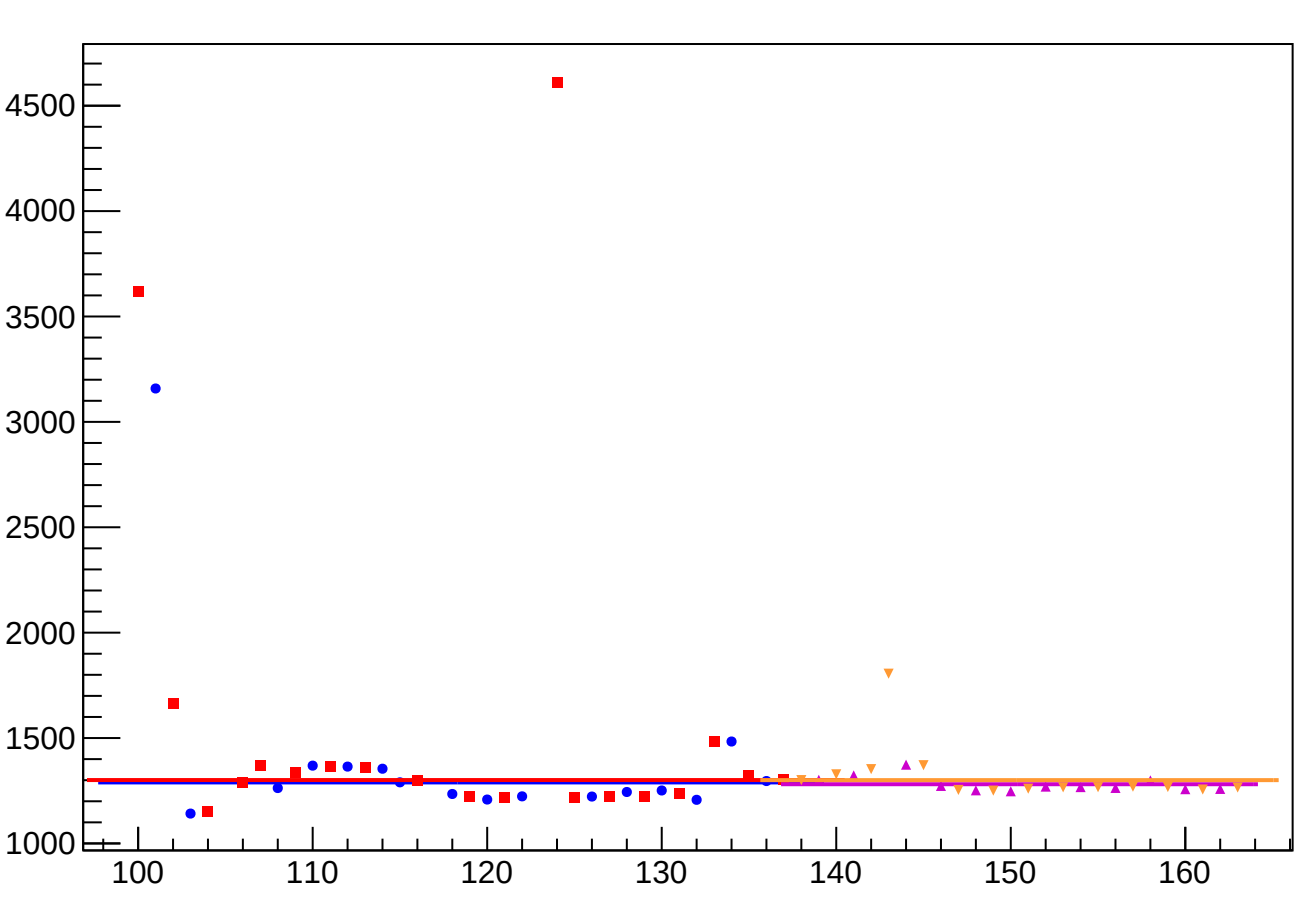
Left: 258.618+/-278.411 χ^2/NDF: 43.6/25

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -643.467+/-308.615 χ^2/NDF:22.4/27

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: 24.902+/-216.744 χ^2/NDF: 76.3/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

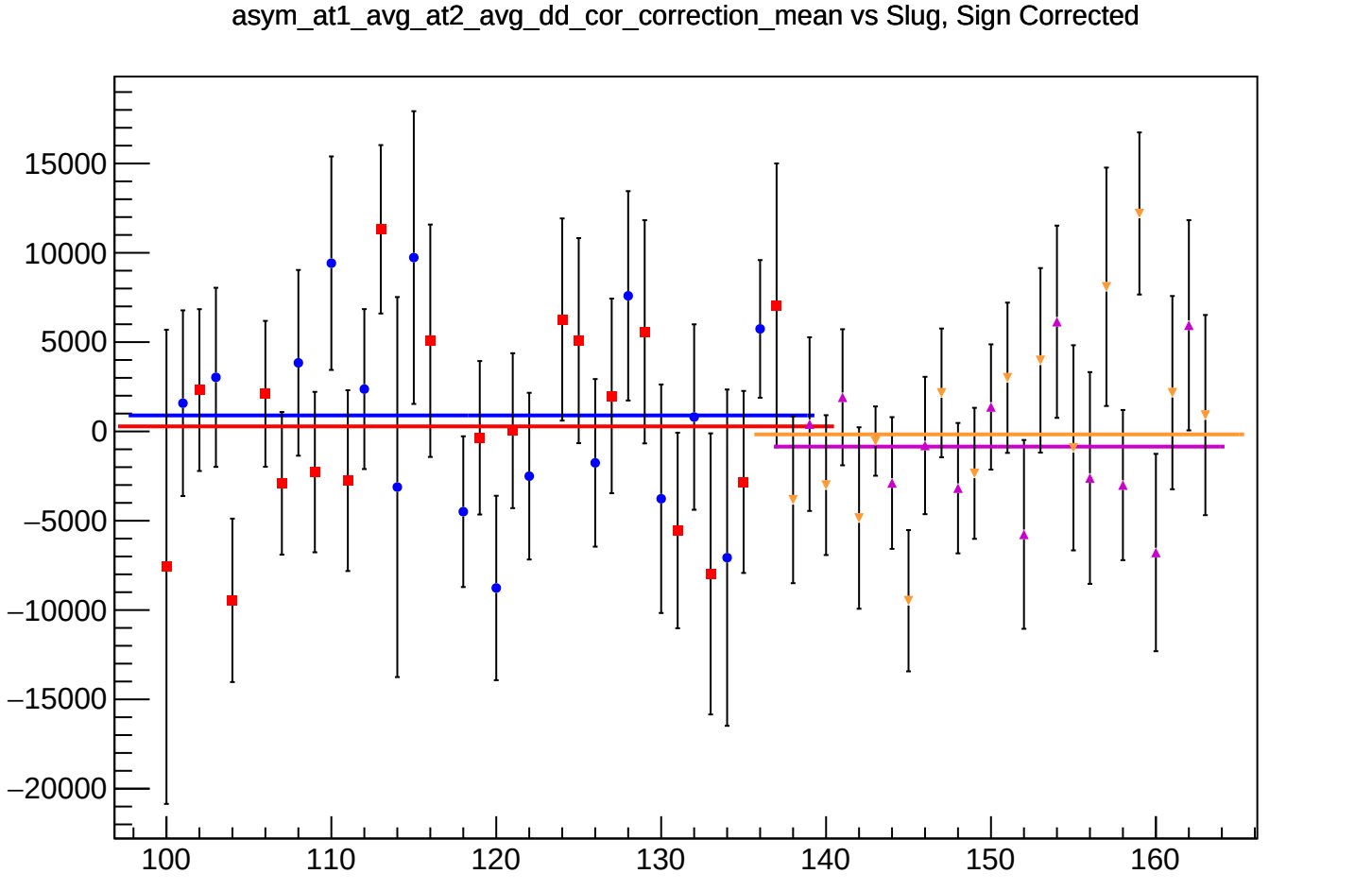
Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1284.335+/-0.218 χ^2/NDF:529808.4/27

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -850.171+/-1264.027 χ^2/NDF:7.1/11

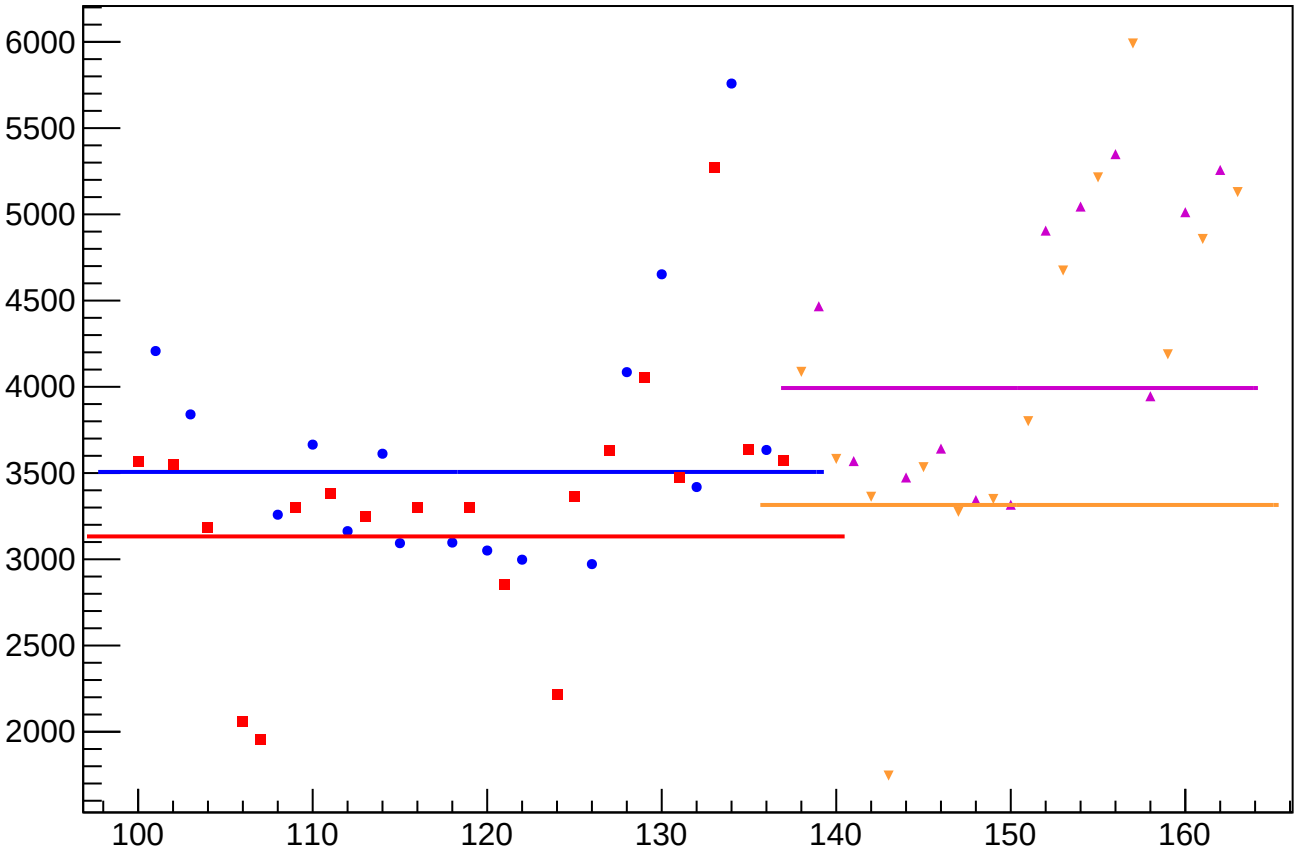
Left: -447.644+/-811.604 χ^2/NDF: 26.0/25

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -18.062+/-914.540 χ^2/NDF:22.1/27

Out: 34.458+/-788.943 χ^2/NDF:37.5/32

All: 12.050+/-597.377 χ^2/NDF: 59.5/60



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

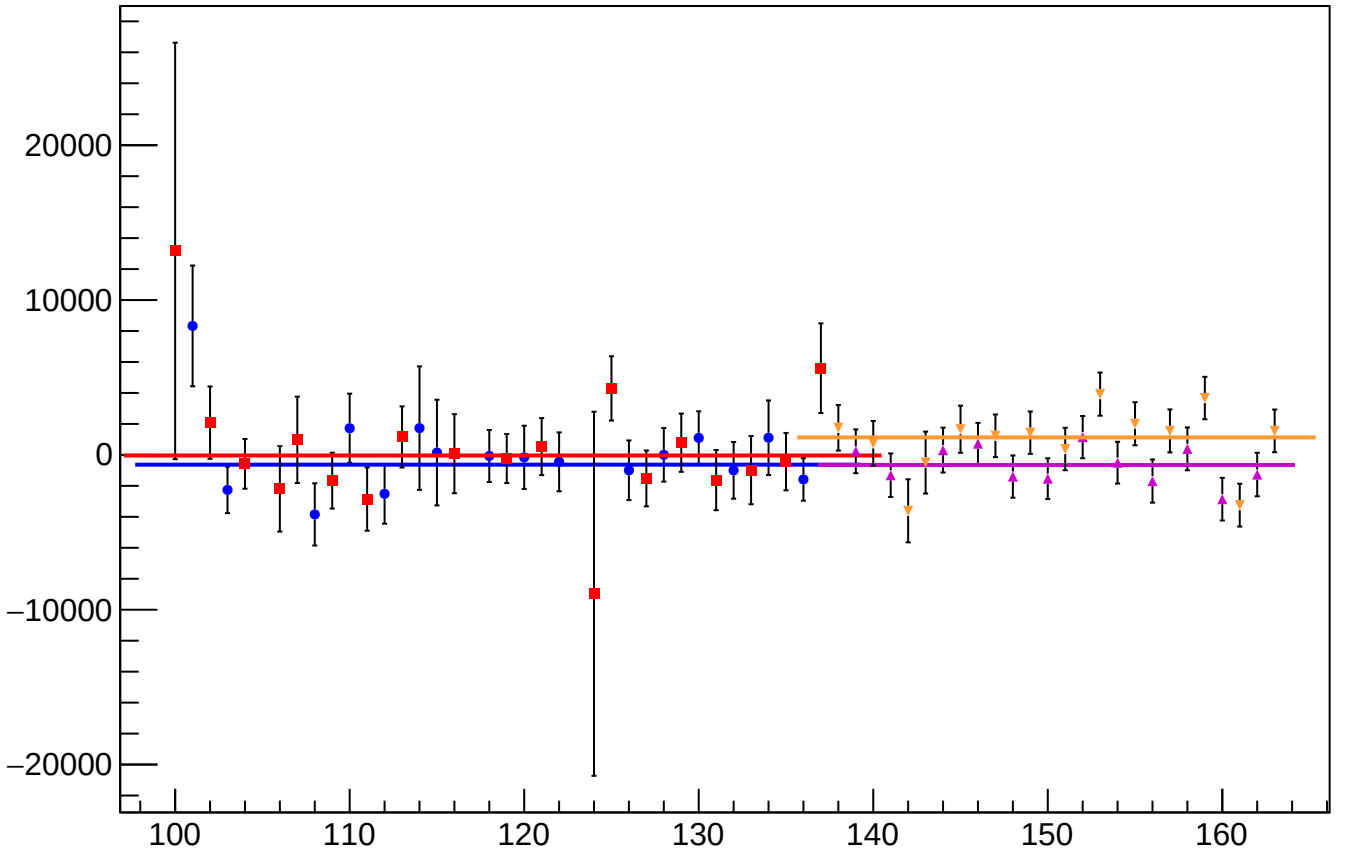
Left: 3594.577+/-0.574 χ^2/NDF: 3508665.8/25

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3761.192+/-0.647 χ^2/NDF:1133834.6/27

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -651.455+/-398.041 χ^2/NDF:8.5/11

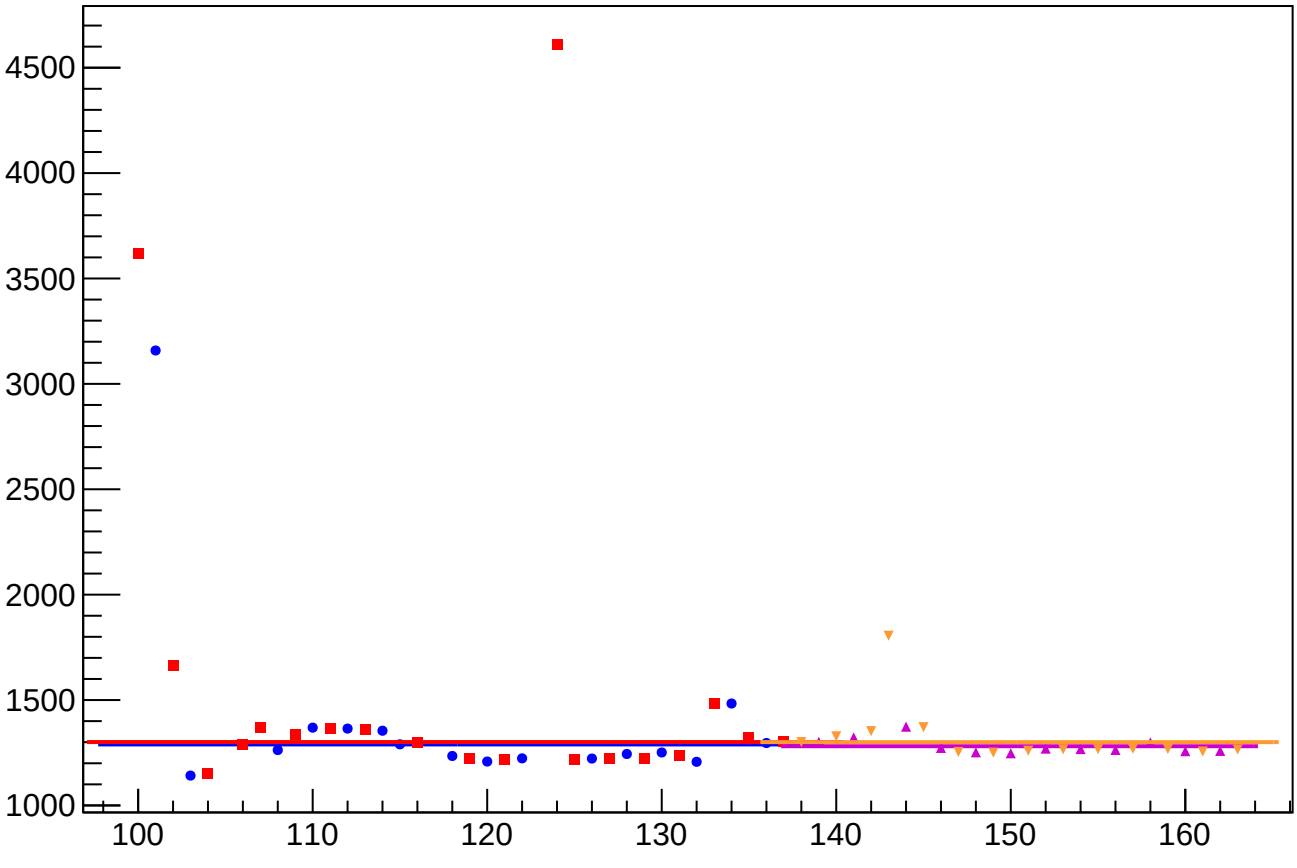
Left: 258.618+/-278.411 χ^2/NDF: 43.6/25

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -643.467+/-308.615 χ^2/NDF:22.4/27

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: 24.902+/-216.744 χ^2/NDF: 76.3/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

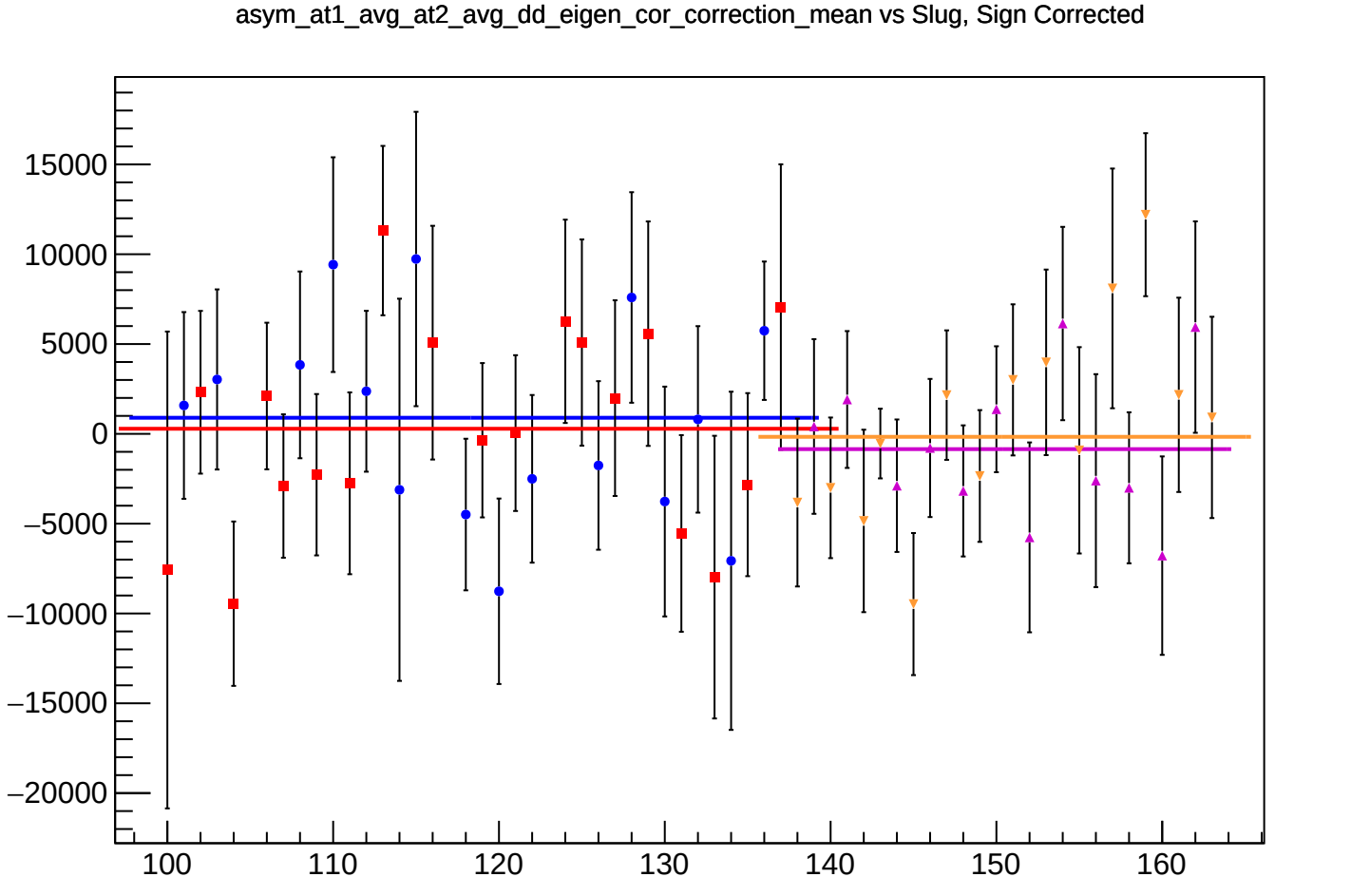
Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1284.335+/-0.218 χ^2/NDF:529808.4/27

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -850.171+/-1264.027 χ^2/NDF:7.1/11

Left: -447.644+/-811.604 χ^2/NDF: 26.0/25

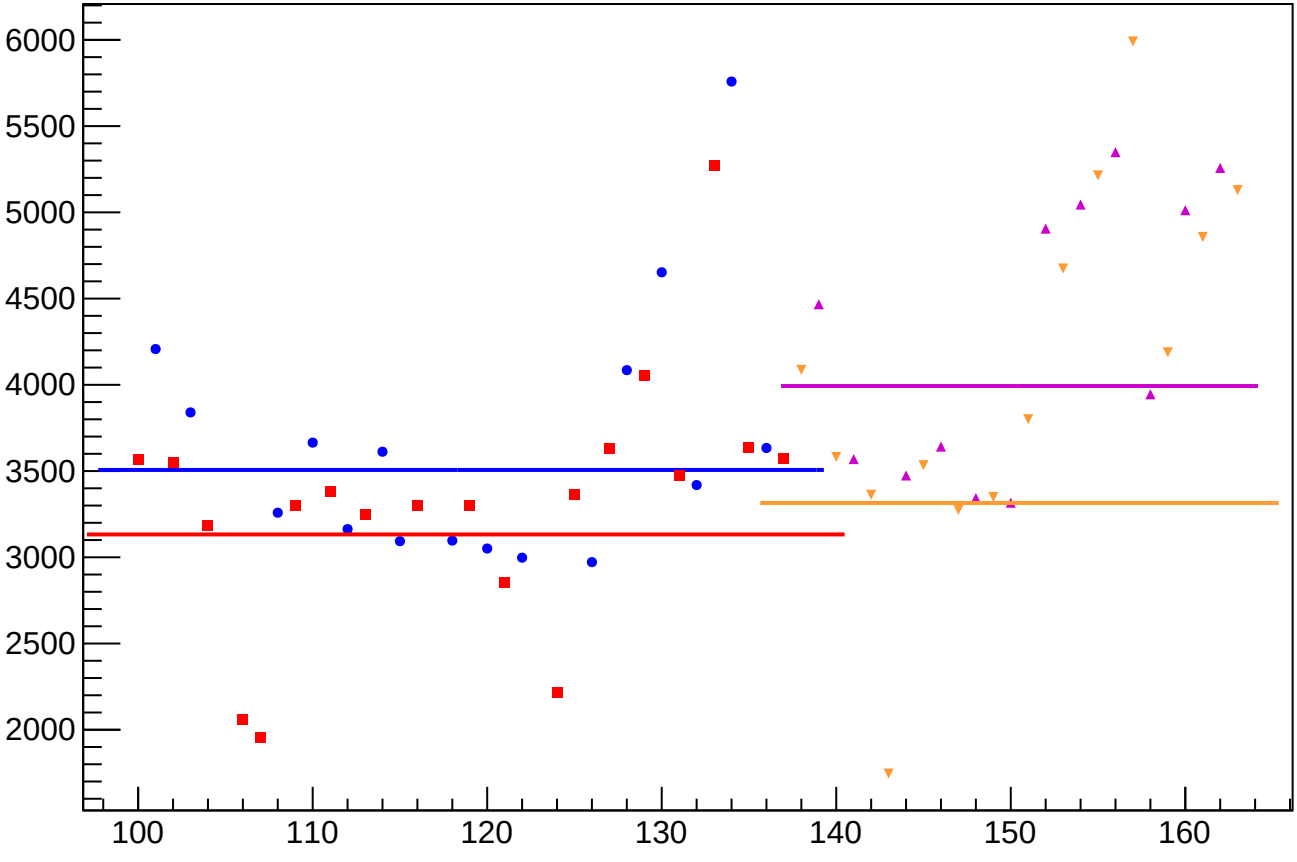
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -18.062+/-914.540 χ^2/NDF:22.1/27

Out: 34.458+/-788.943 χ^2/NDF:37.5/32

All: 12.050+/-597.377 χ^2/NDF: 59.5/60

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: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

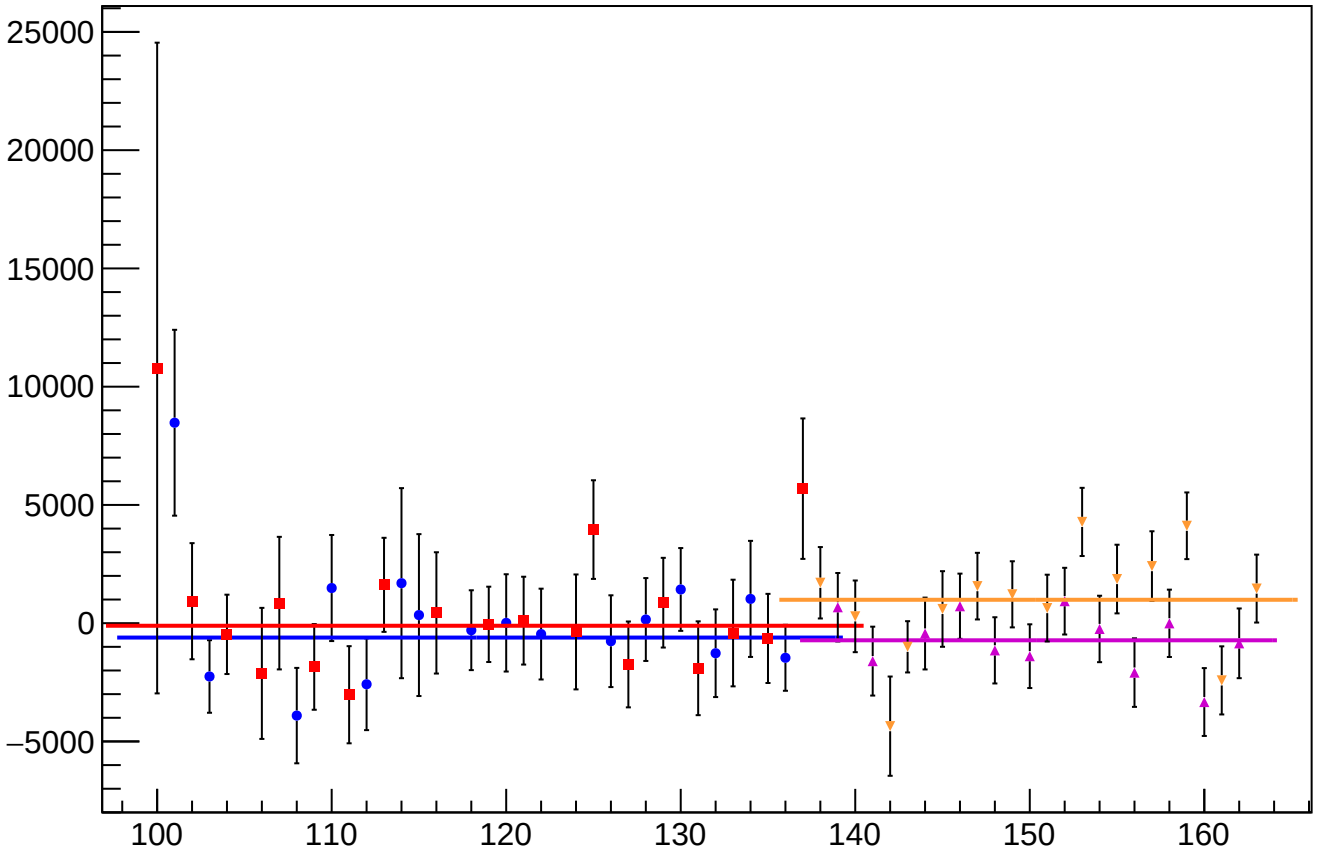
Left: 3594.577+/-0.574 χ^2/NDF: 3508665.8/25

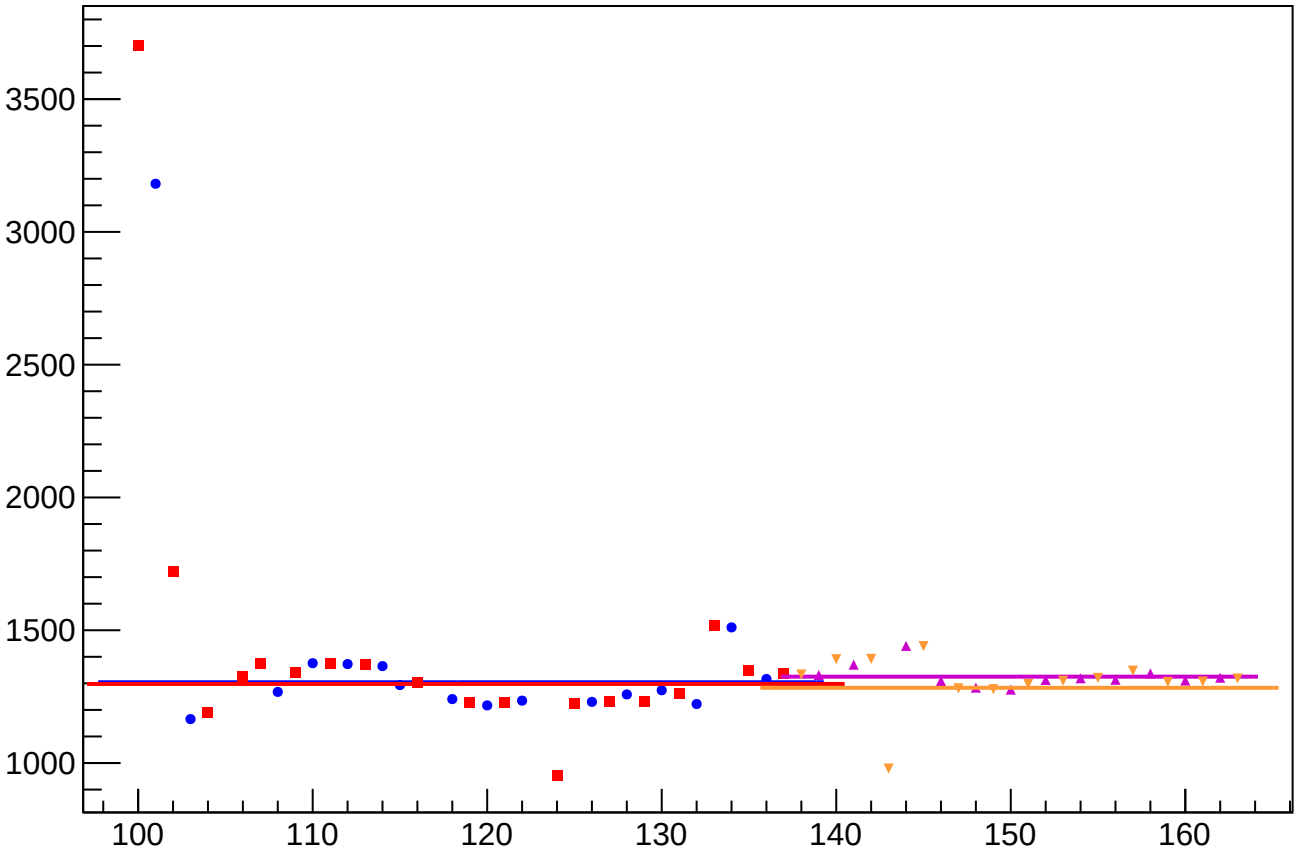
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3761.192+/-0.647 χ^2/NDF:1133834.6/27

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60


dit_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -607.831+/-494.182 χ²/NDF: 14.1/15
Left Out: 989.710+/-384.960 χ²/NDF:27.8/13
Right Out: -108.614+/-485.552 χ²/NDF: 14.9/18
Left In: -723.521+/-411.888 χ²/NDF:8.7/11
Left: 190.925+/-281.246 χ²/NDF: 45.7/25
Right: -353.826+/-346.348 χ²/NDF: 29.5/34
In: -676.098+/-316.399 χ²/NDF:22.9/27
Out: 565.793+/-301.656 χ²/NDF:45.8/32
All: -25.544+/-218.329 χ²/NDF: 76.7/60



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.265+/-0.291 χ^2/NDF:18919.4/11

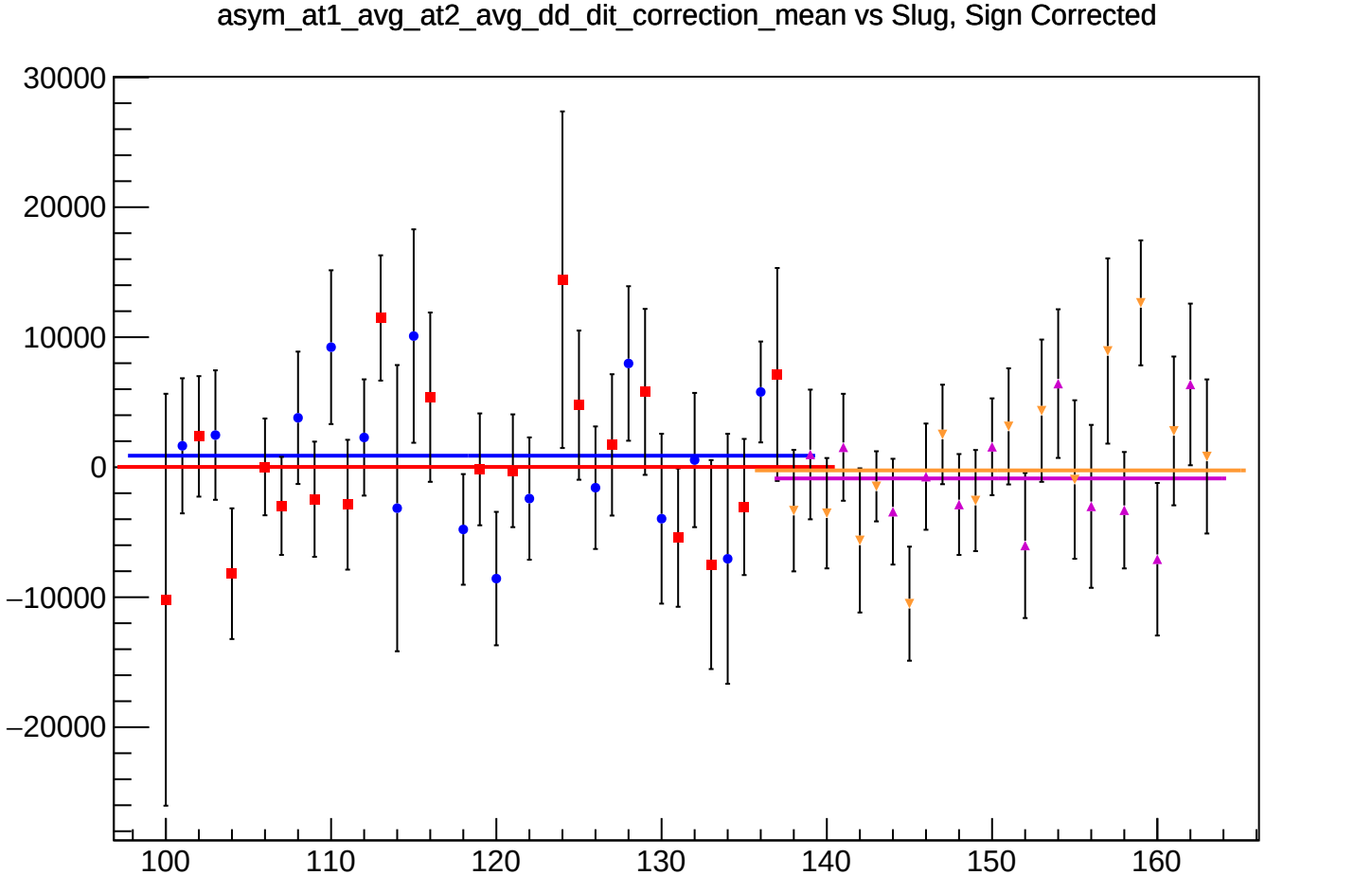
Left: 1302.829+/-0.199 χ^2/NDF: 232650.1/25

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

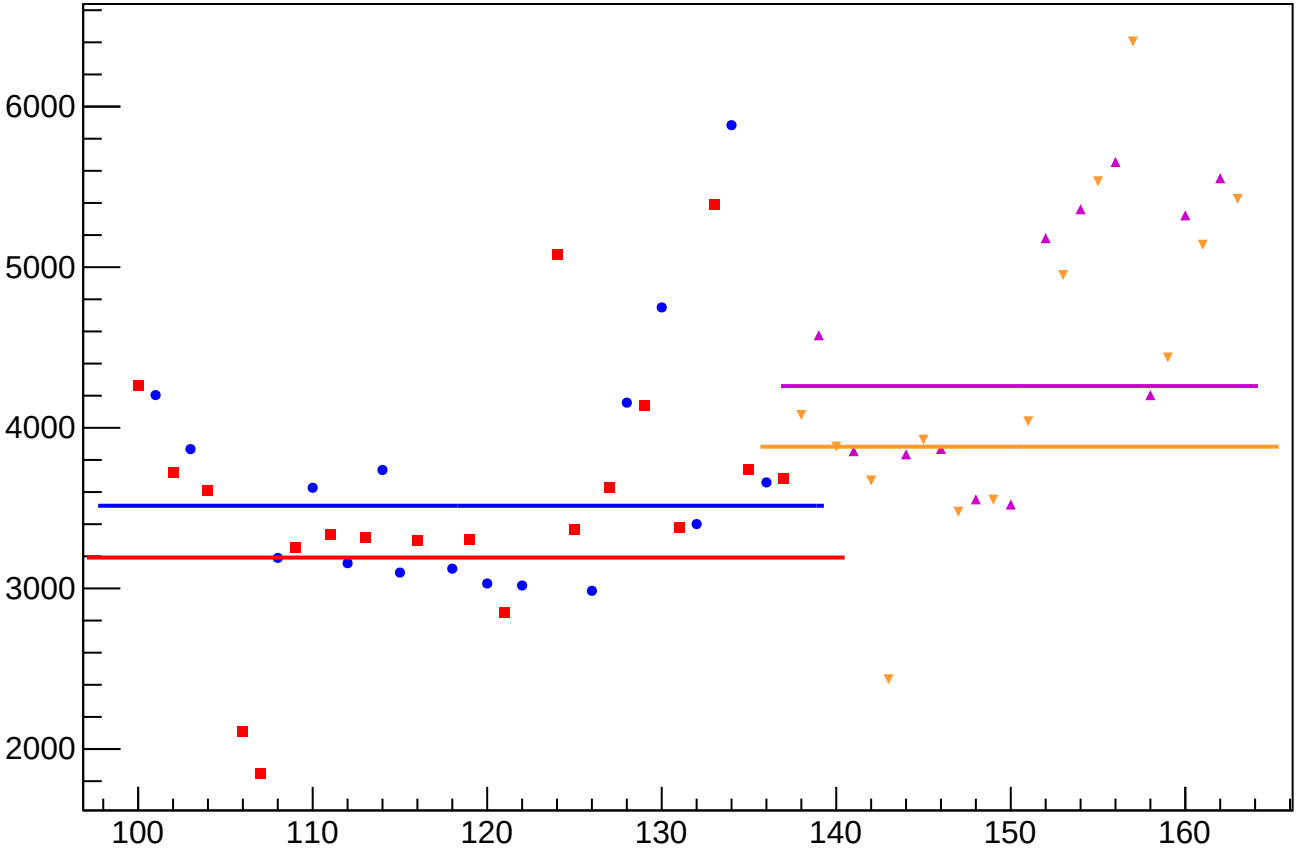
In: 1316.590+/-0.224 χ^2/NDF:531673.1/27

Out: 1288.857+/-0.213 χ^2/NDF:416815.4/32

All: 1302.058+/-0.154 χ^2/NDF: 956539.9/60


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -243.884+/-1203.871 χ²/NDF:19.0/13
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -864.193+/-1347.089 χ²/NDF:6.9/11
Left: -519.322+/-897.644 χ²/NDF: 26.0/25
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 22.803+/-945.497 χ²/NDF:21.9/27
Out: -111.177+/-849.899 χ²/NDF:35.8/32
All: -51.301+/-632.073 χ²/NDF: 57.8/60

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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4259.773+/-0.953 χ^2/NDF:592481.9/11

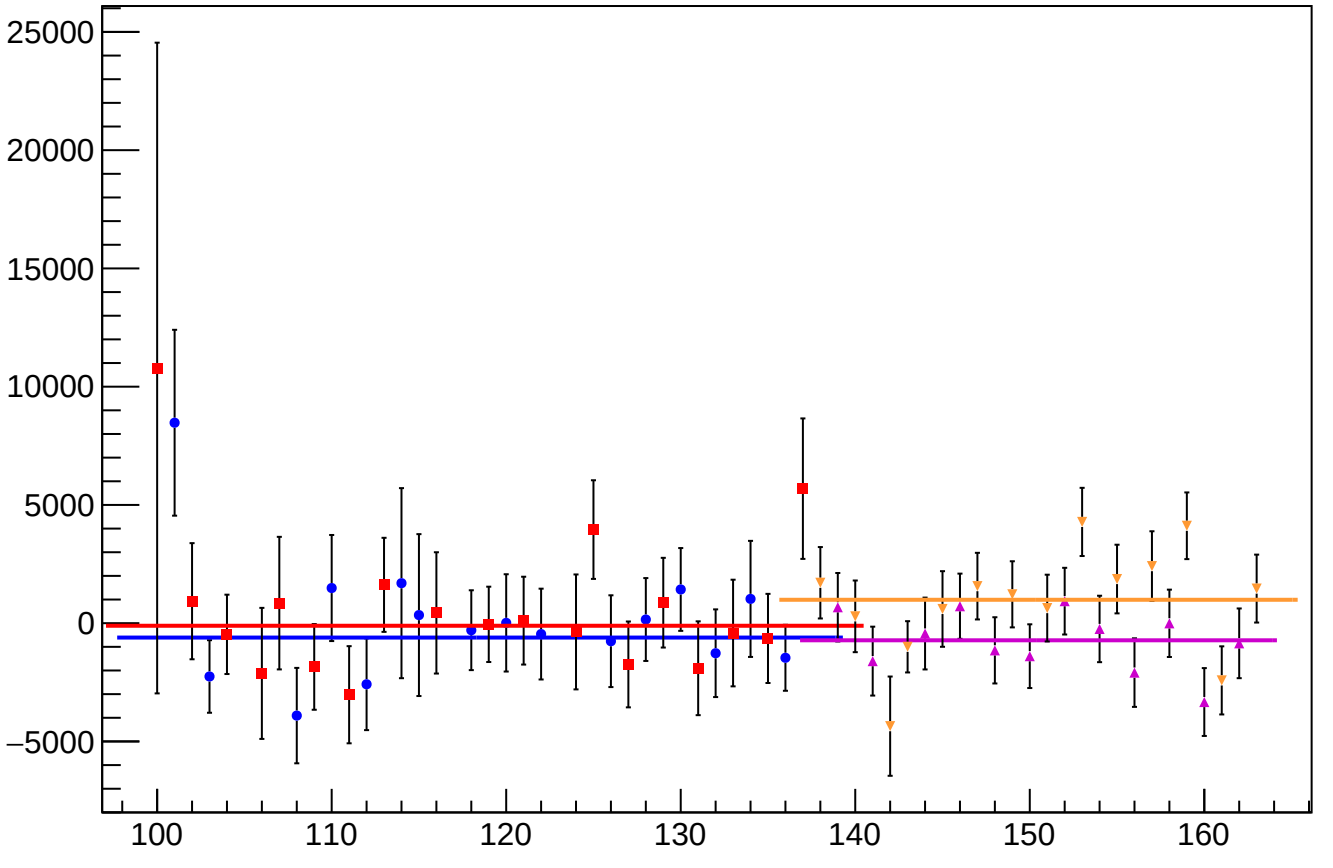
Left: 4049.992+/-0.635 χ^2/NDF: 2034944.4/25

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3881.775+/-0.669 χ^2/NDF:1277945.1/27

Out: 3536.218+/-0.601 χ^2/NDF:2457505.3/32

All: 3690.649+/-0.447 χ^2/NDF: 3883207.9/60



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -723.521+/-411.889 χ^2/NDF:8.7/11

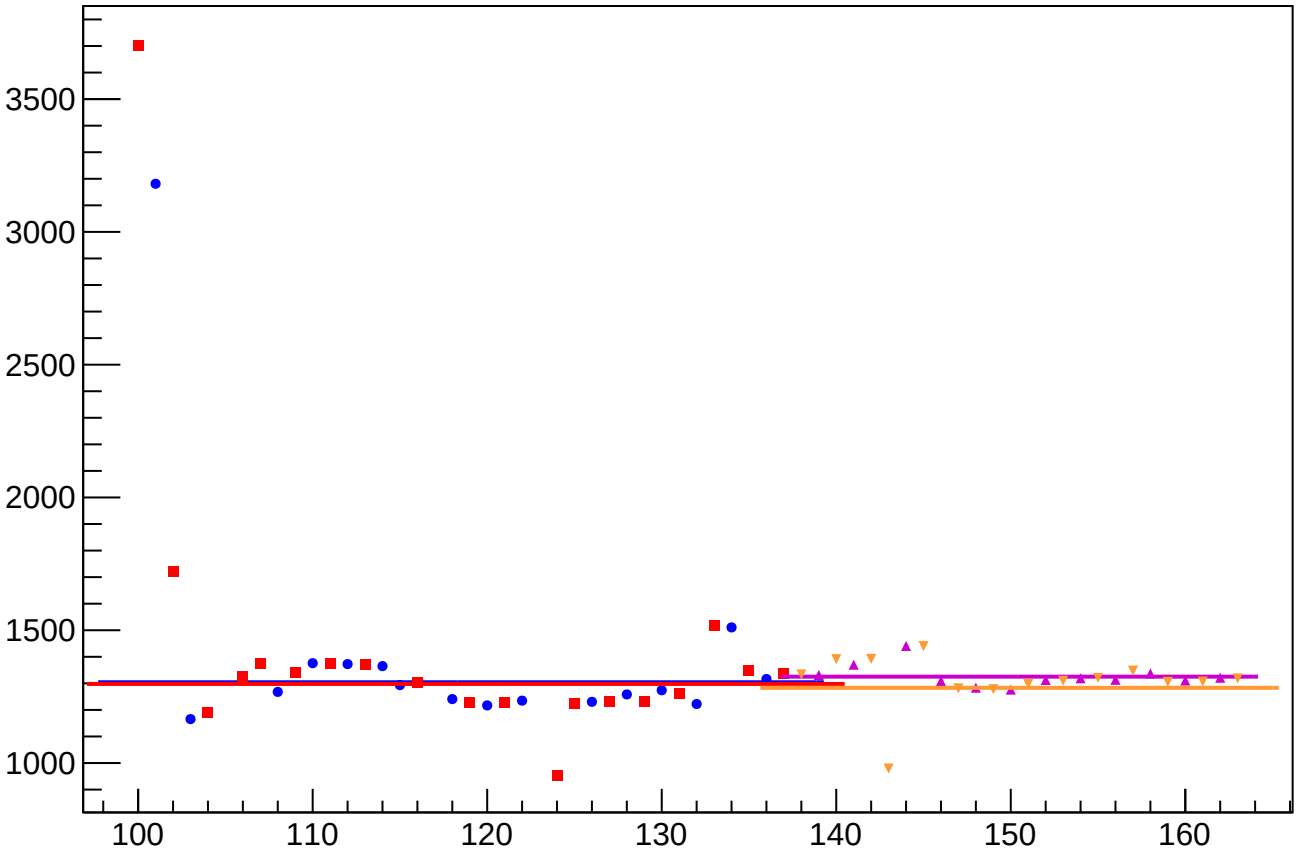
Left: 190.928+/-281.246 χ^2/NDF: 45.7/25

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -676.099+/-316.399 χ^2/NDF:22.9/27

Out: 565.794+/-301.656 χ^2/NDF:45.8/32

All: -25.544+/-218.329 χ^2/NDF: 76.7/60



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.231+/-0.272 χ^2/NDF:202612.9/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.266+/-0.291 χ^2/NDF:18919.5/11

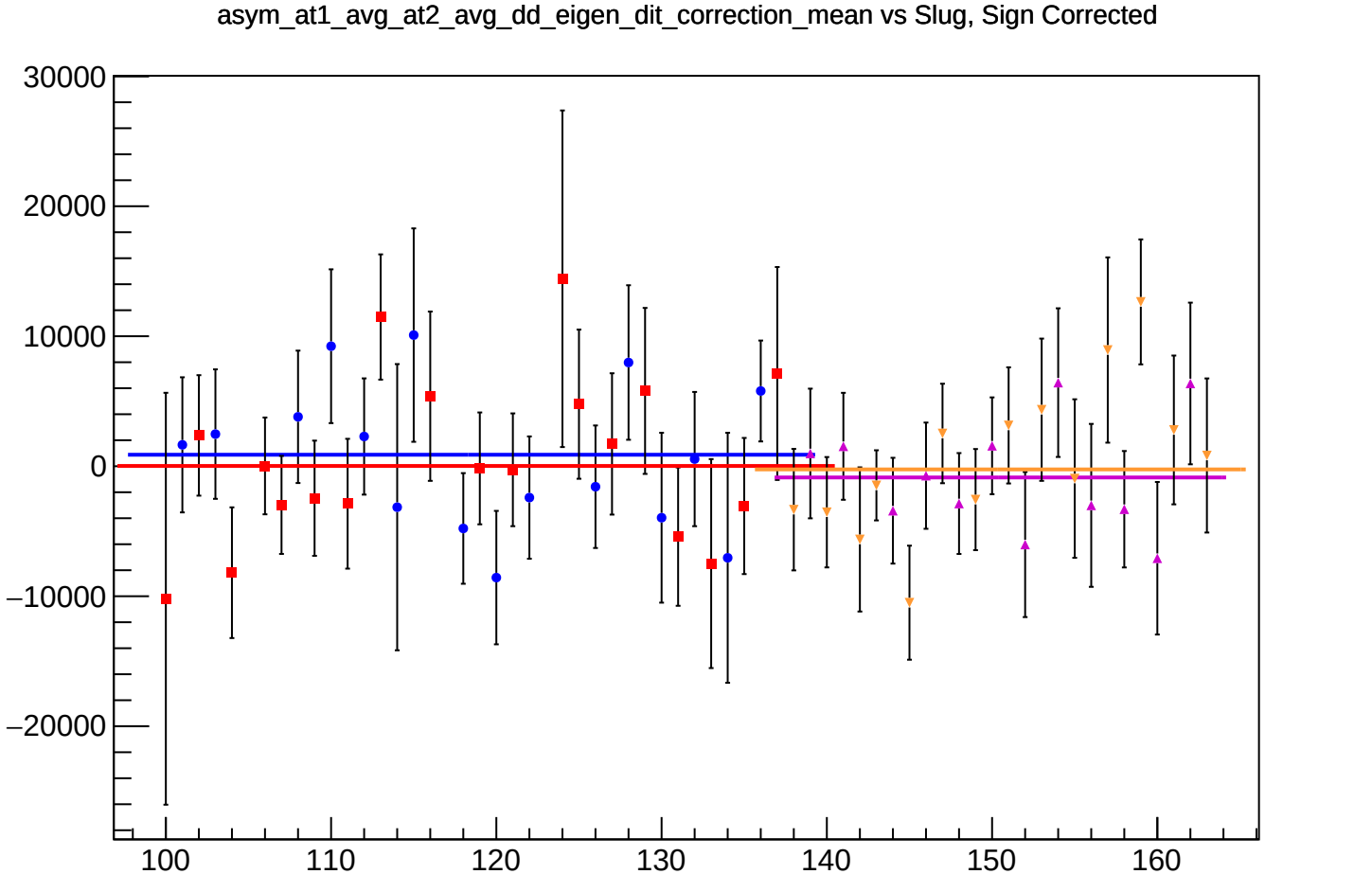
Left: 1302.830+/-0.199 χ^2/NDF: 232650.8/25

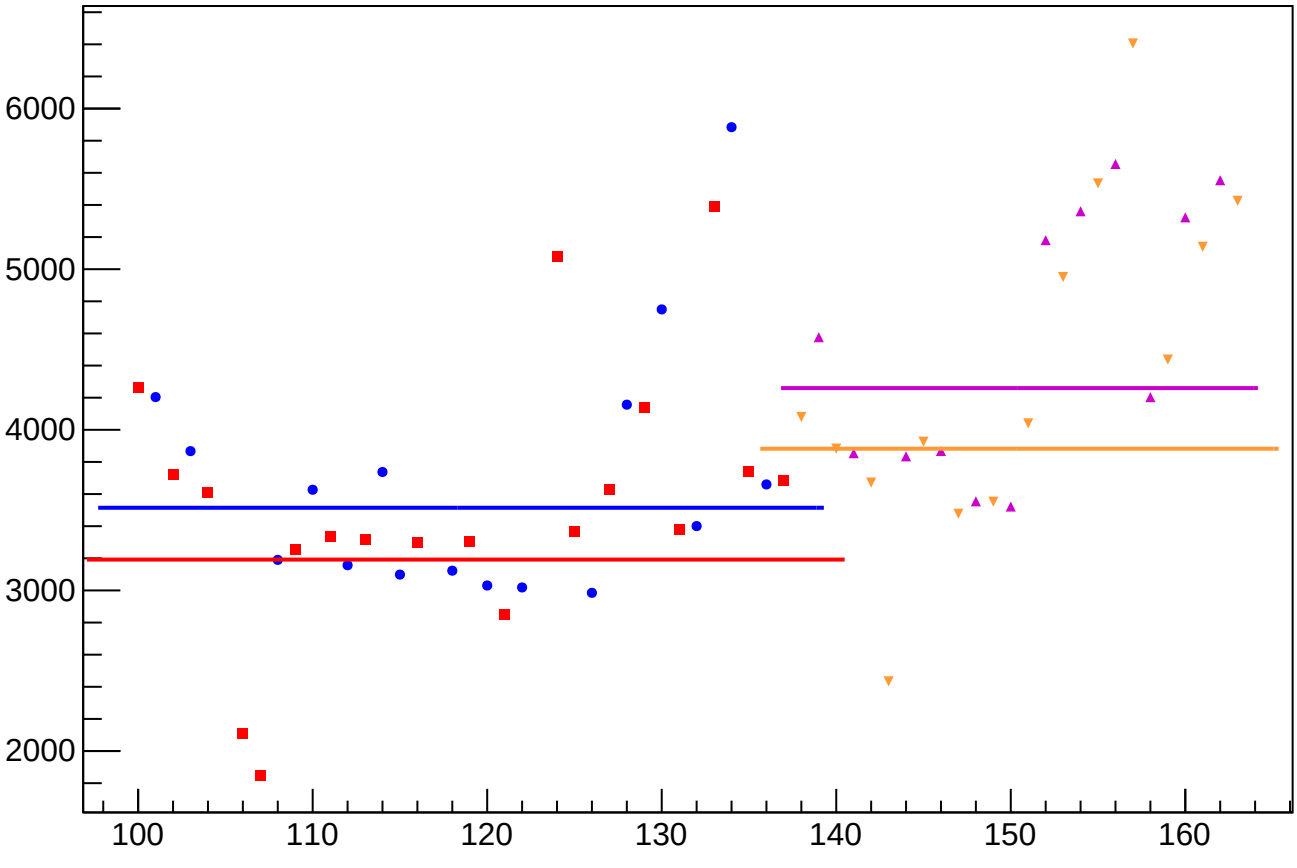
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.591+/-0.224 χ^2/NDF:531673.6/27

Out: 1288.858+/-0.213 χ^2/NDF:416815.9/32

All: 1302.059+/-0.154 χ^2/NDF: 956540.9/60


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -243.880+/-1203.873 χ²/NDF:19.0/13
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -864.193+/-1347.090 χ²/NDF:6.9/11
Left: -519.320+/-897.645 χ²/NDF: 26.0/25
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 22.801+/-945.497 χ²/NDF:21.9/27
Out: -111.176+/-849.898 χ²/NDF:35.8/32
All: -51.302+/-632.073 χ²/NDF: 57.8/60



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4259.779+/-0.953 χ^2/NDF:592482.7/11

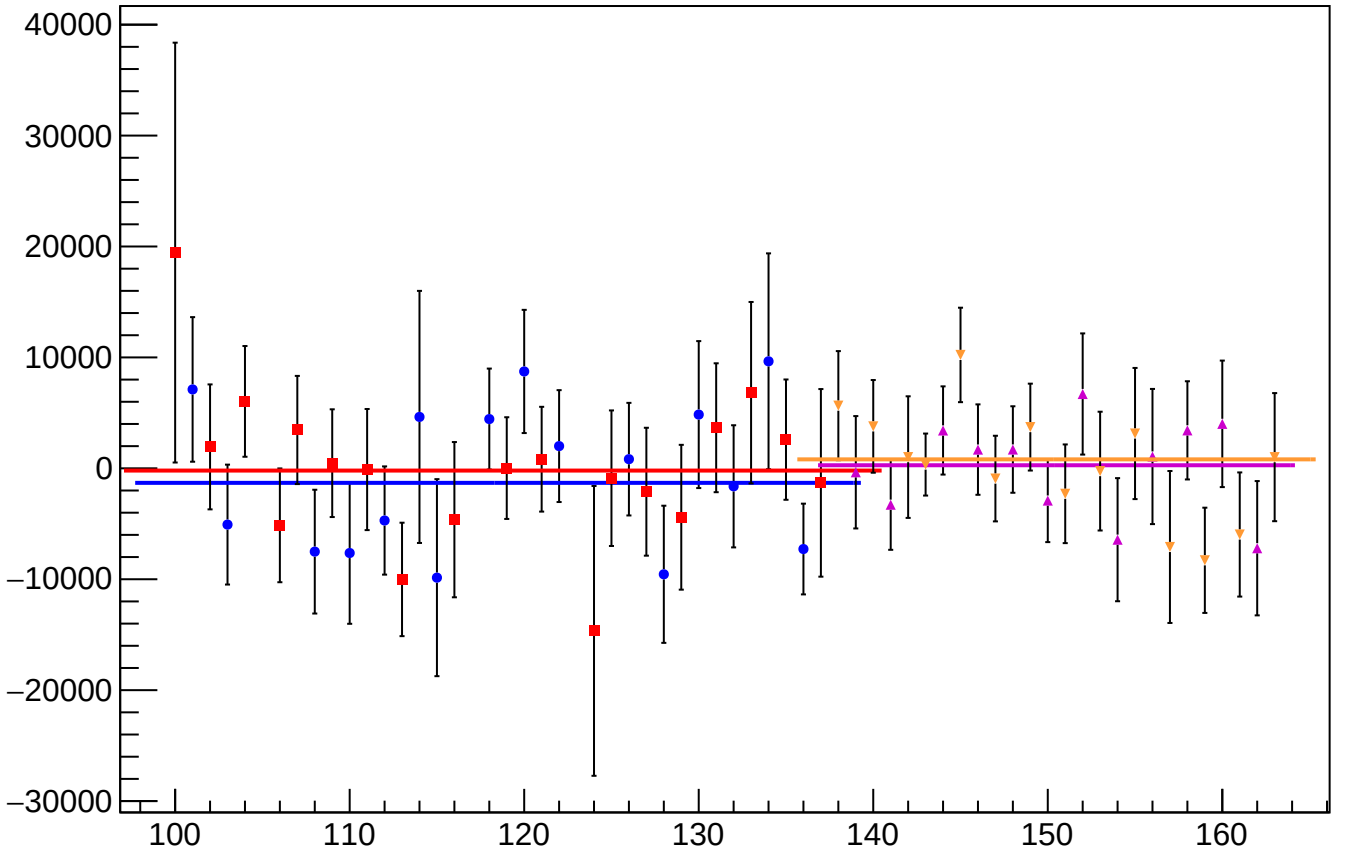
Left: 4049.998+/-0.635 χ^2/NDF: 2034946.2/25

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3881.772+/-0.669 χ^2/NDF:1277962.7/27

Out: 3536.215+/-0.601 χ^2/NDF:2457521.6/32

All: 3690.646+/-0.447 χ^2/NDF: 3883241.4/60



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 277.474+/-1334.091 χ^2/NDF:7.7/11

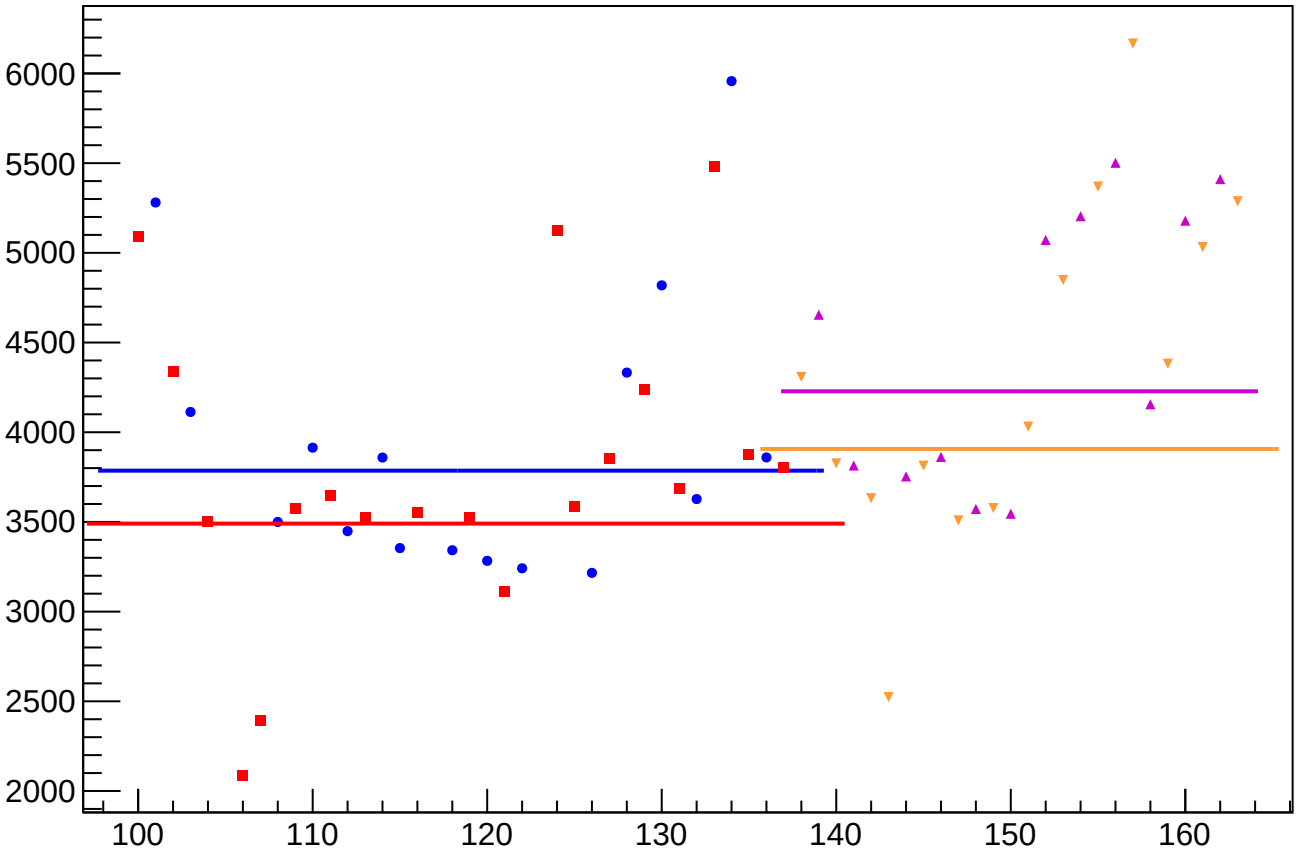
Left: 569.870+/-894.110 χ^2/NDF: 22.1/25

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -460.047+/-976.005 χ^2/NDF:25.9/27

Out: 355.424+/-894.703 χ^2/NDF:26.3/32

All: -16.938+/-659.523 χ^2/NDF: 52.6/60



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4228.099+/-0.943 χ^2/NDF:531883.9/11

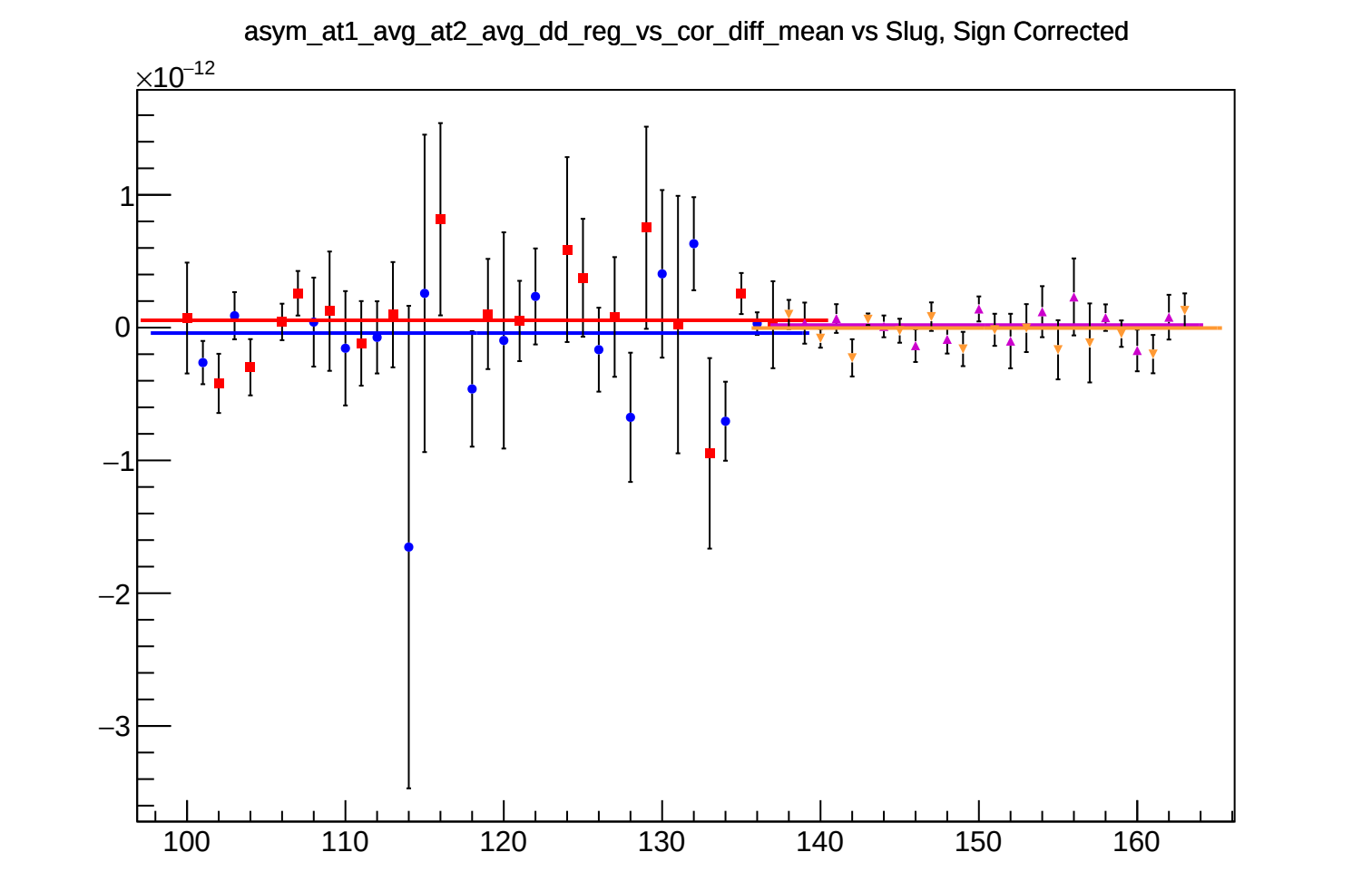
Left: 4051.114+/-0.632 χ^2/NDF: 1760162.9/25

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4022.514+/-0.690 χ^2/NDF:1017063.0/27

Out: 3717.331+/-0.629 χ^2/NDF:1859750.9/32

All: 3855.746+/-0.465 χ^2/NDF: 2983670.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/11

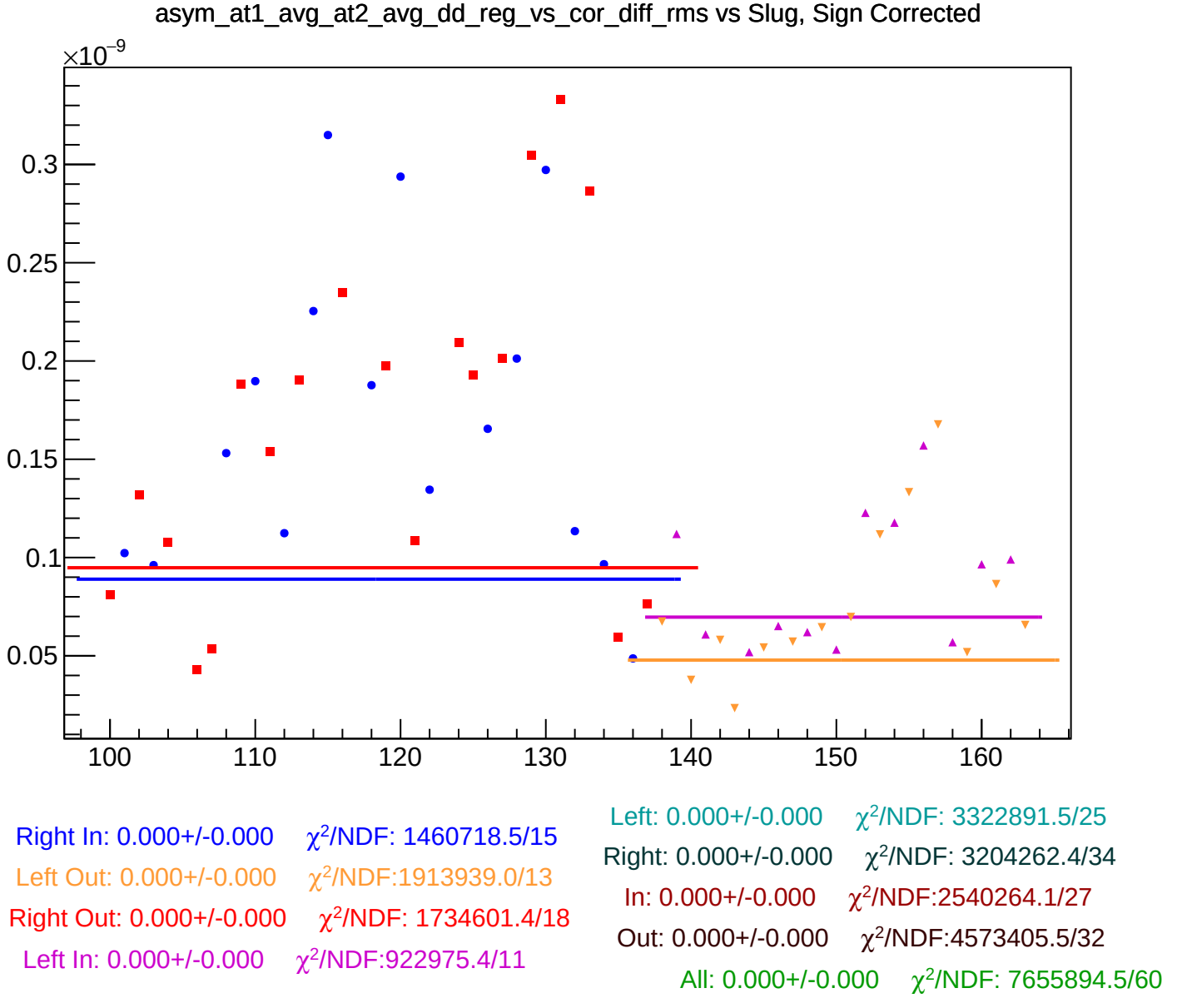
Left: 0.000+/-0.000 χ^2/NDF: 20.6/25

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

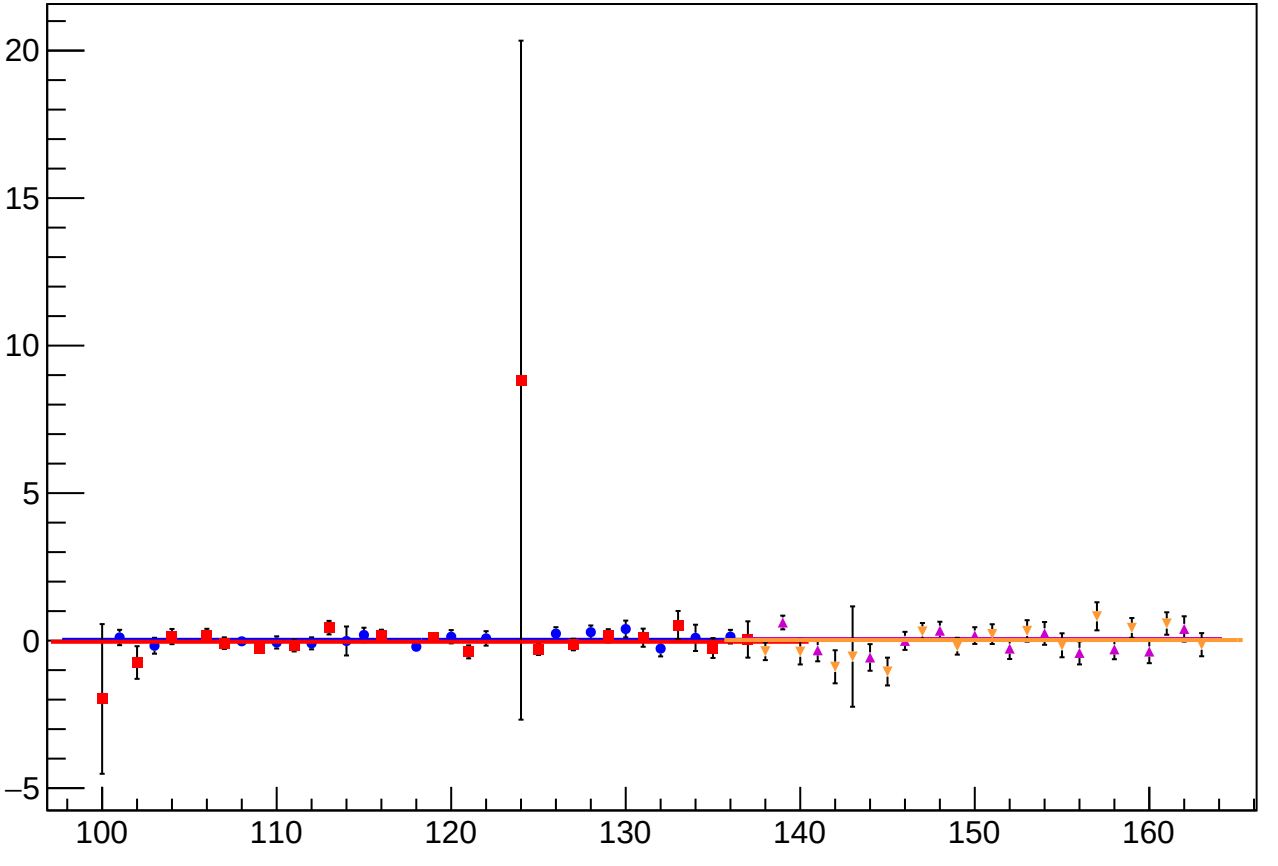
In: 0.000+/-0.000 χ^2/NDF:25.0/27

Out: 0.000+/-0.000 χ^2/NDF:29.4/32

All: 0.000+/-0.000 χ^2/NDF: 54.4/60


asym_at1_avg_at2_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
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1913939.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:922975.4/11
Left: 0.000+/-0.000 χ²/NDF: 3322891.5/25
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:2540264.1/27
Out: 0.000+/-0.000 χ²/NDF:4573405.5/32
All: 0.000+/-0.000 χ²/NDF: 7655894.5/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

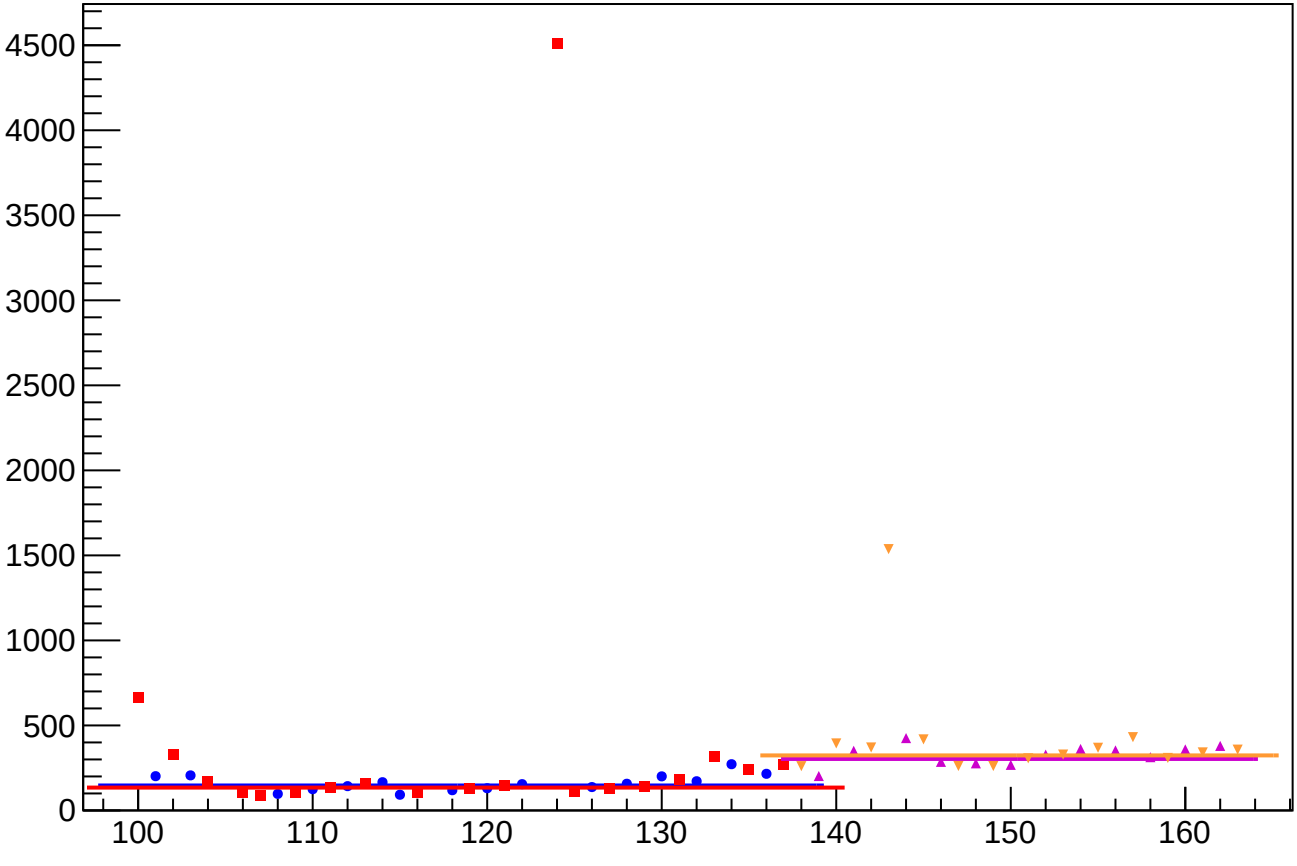
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

Left: 312.861+/-0.049 χ^2/NDF: 2440747.0/25

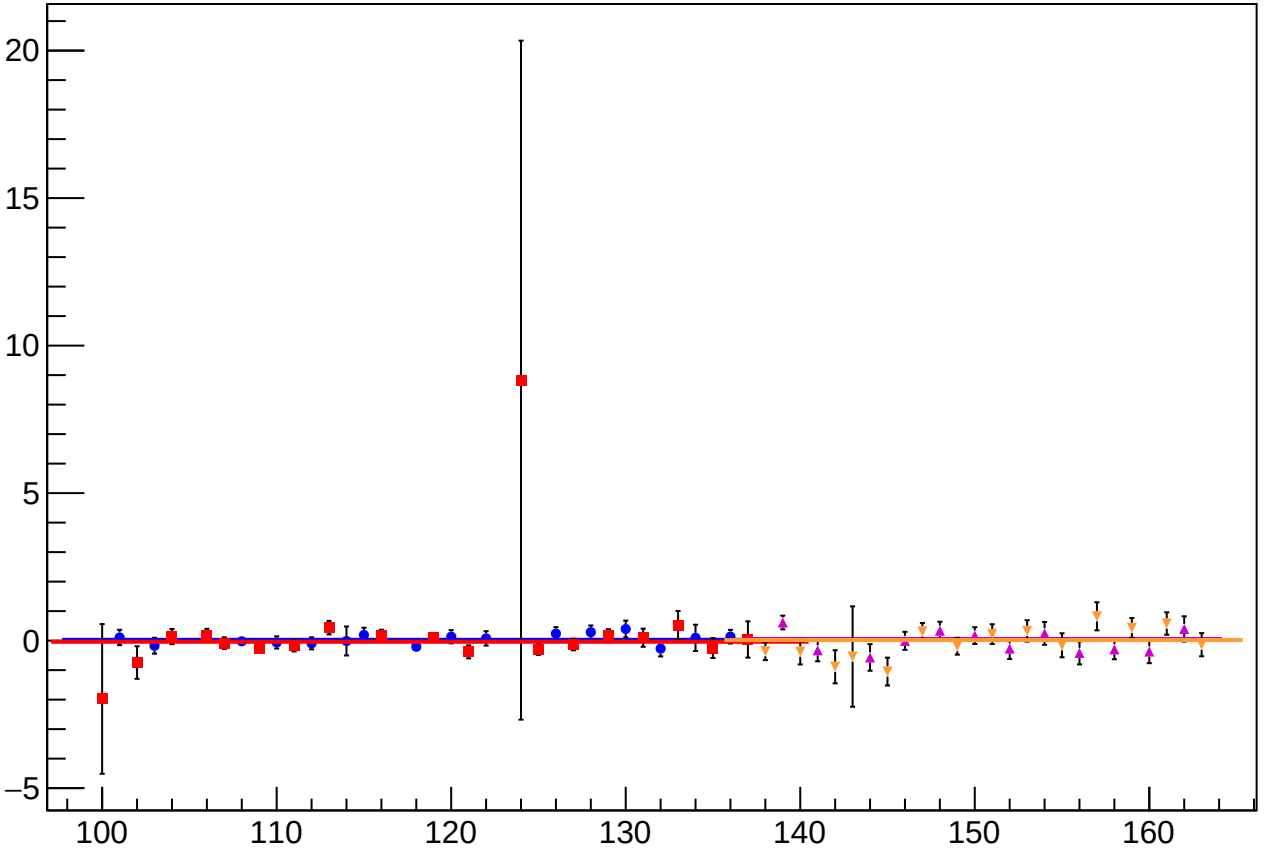
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 187.674+/-0.035 χ^2/NDF:5627986.3/27

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

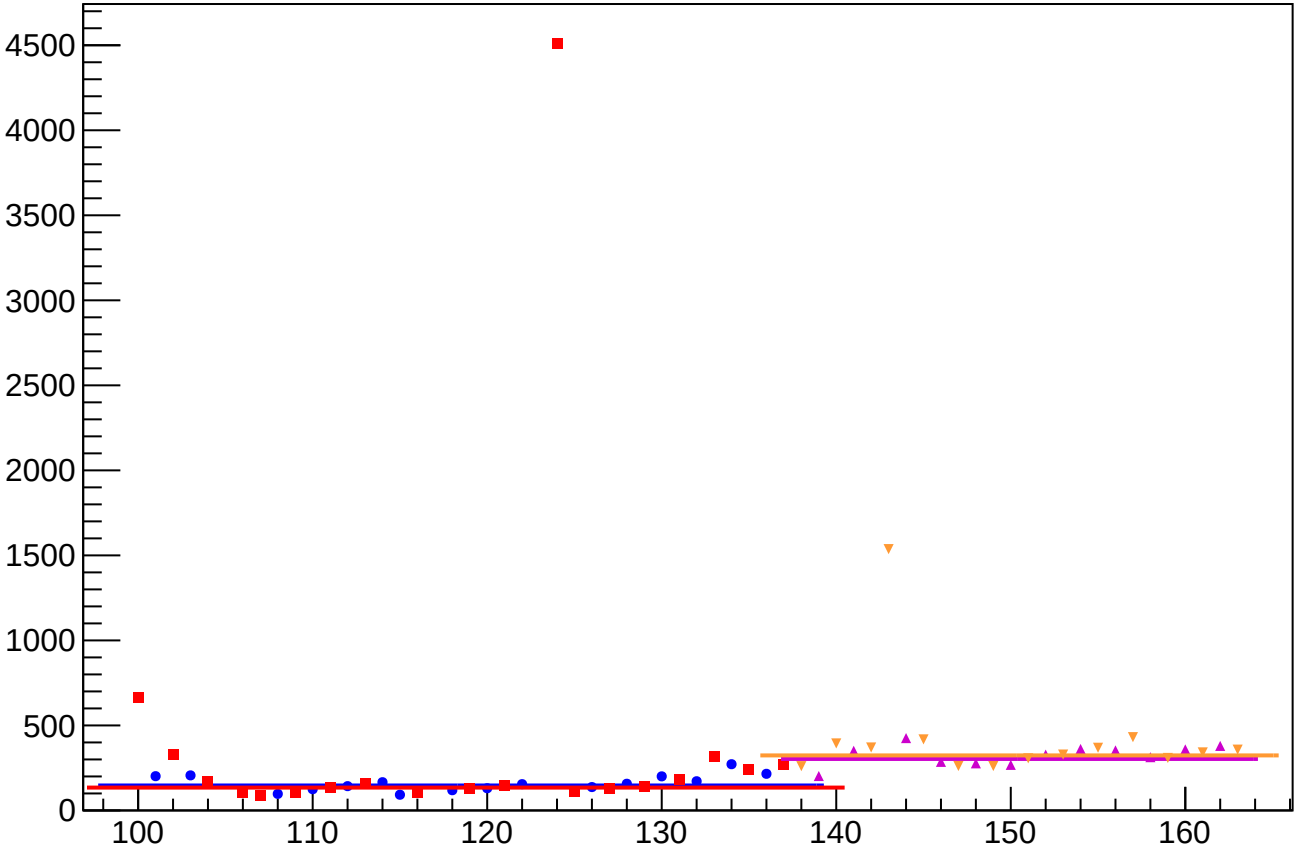
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

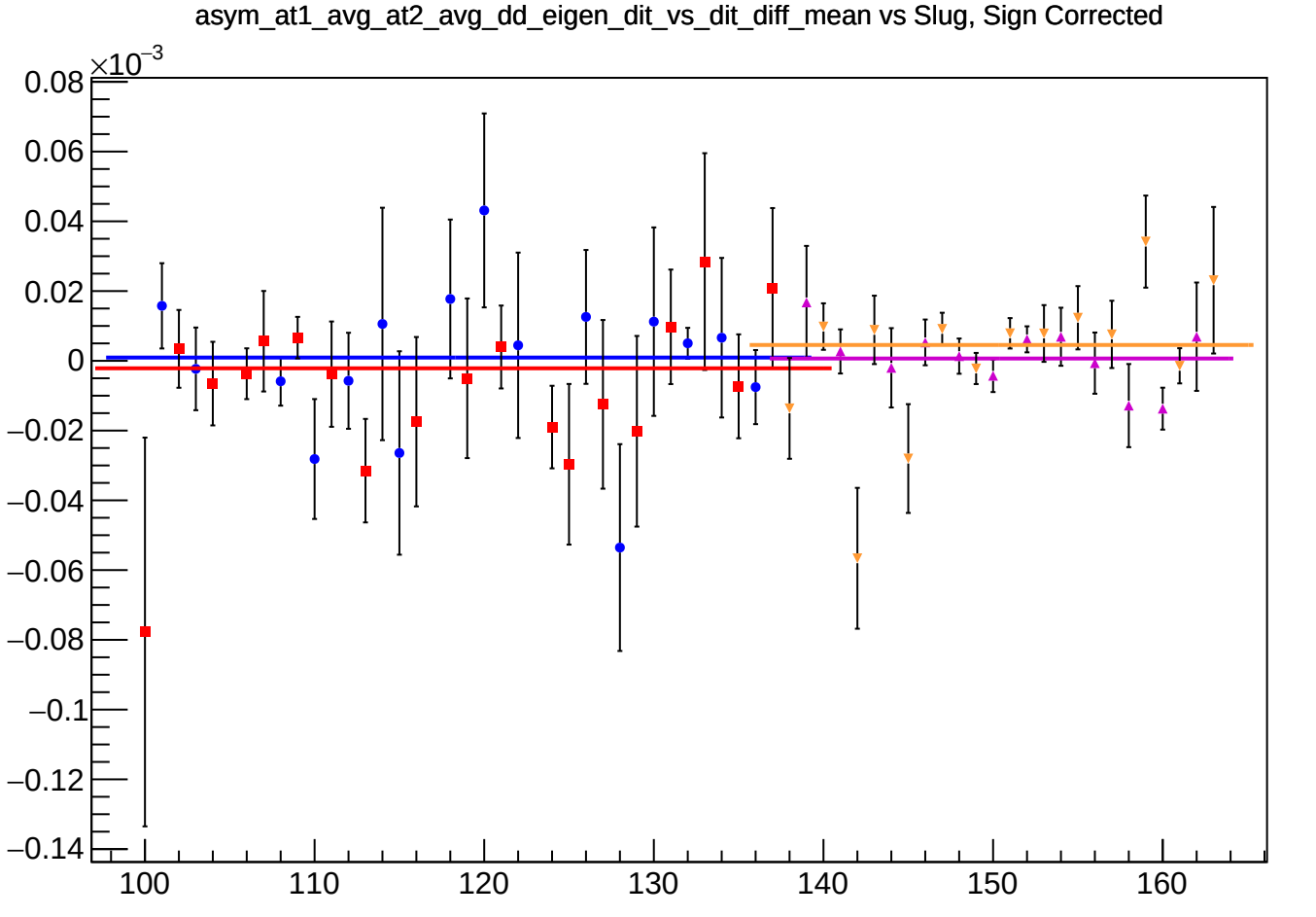
Left: 312.861+/-0.049 χ^2/NDF: 2440747.0/25

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 187.674+/-0.035 χ^2/NDF:5627986.3/27

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/11

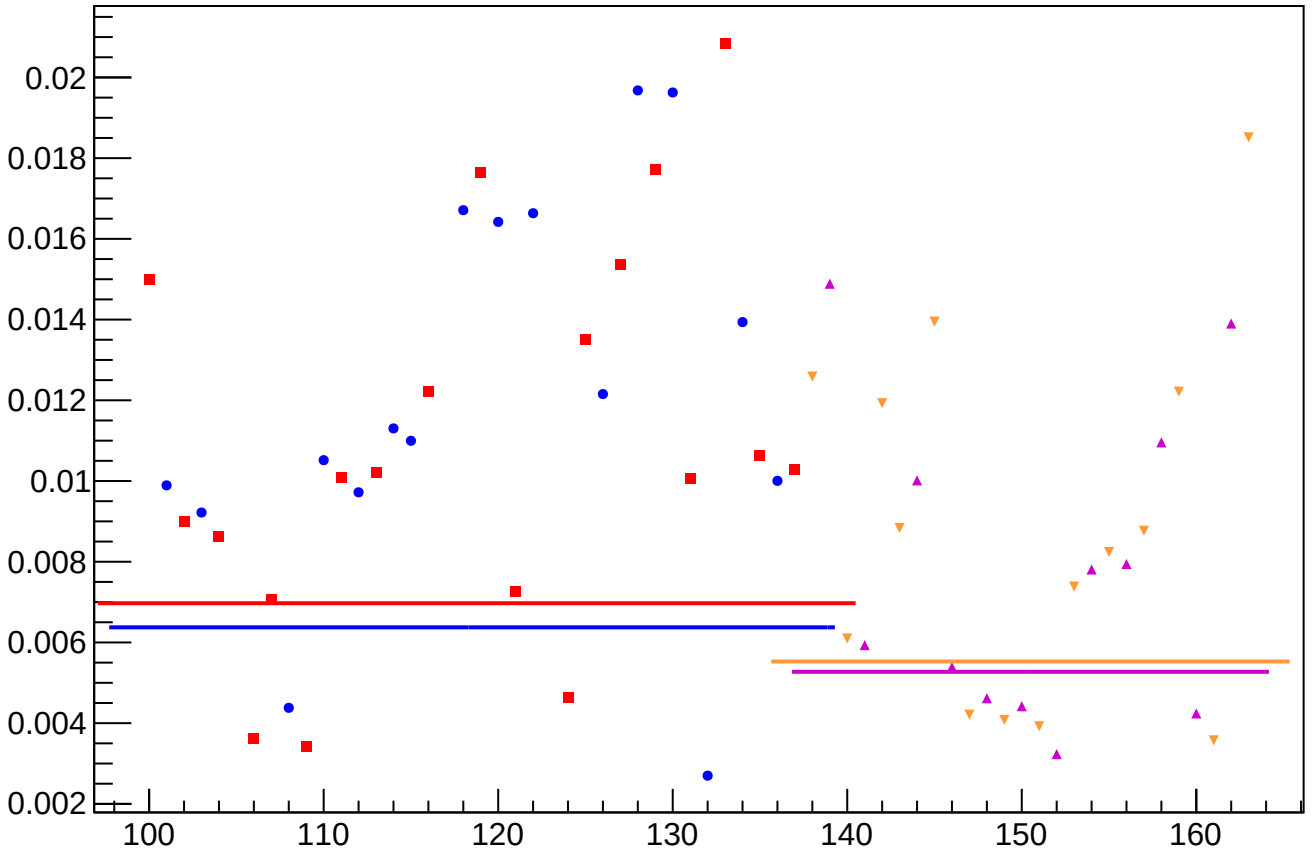
Left: 0.000+/-0.000 χ^2/NDF: 42.8/25

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:27.6/27

Out: 0.000+/-0.000 χ^2/NDF:47.6/32

All: 0.000+/-0.000 χ^2/NDF: 75.9/60



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3274540.6/11

Left: 0.005+/-0.000 χ^2/NDF: 7524564.5/25

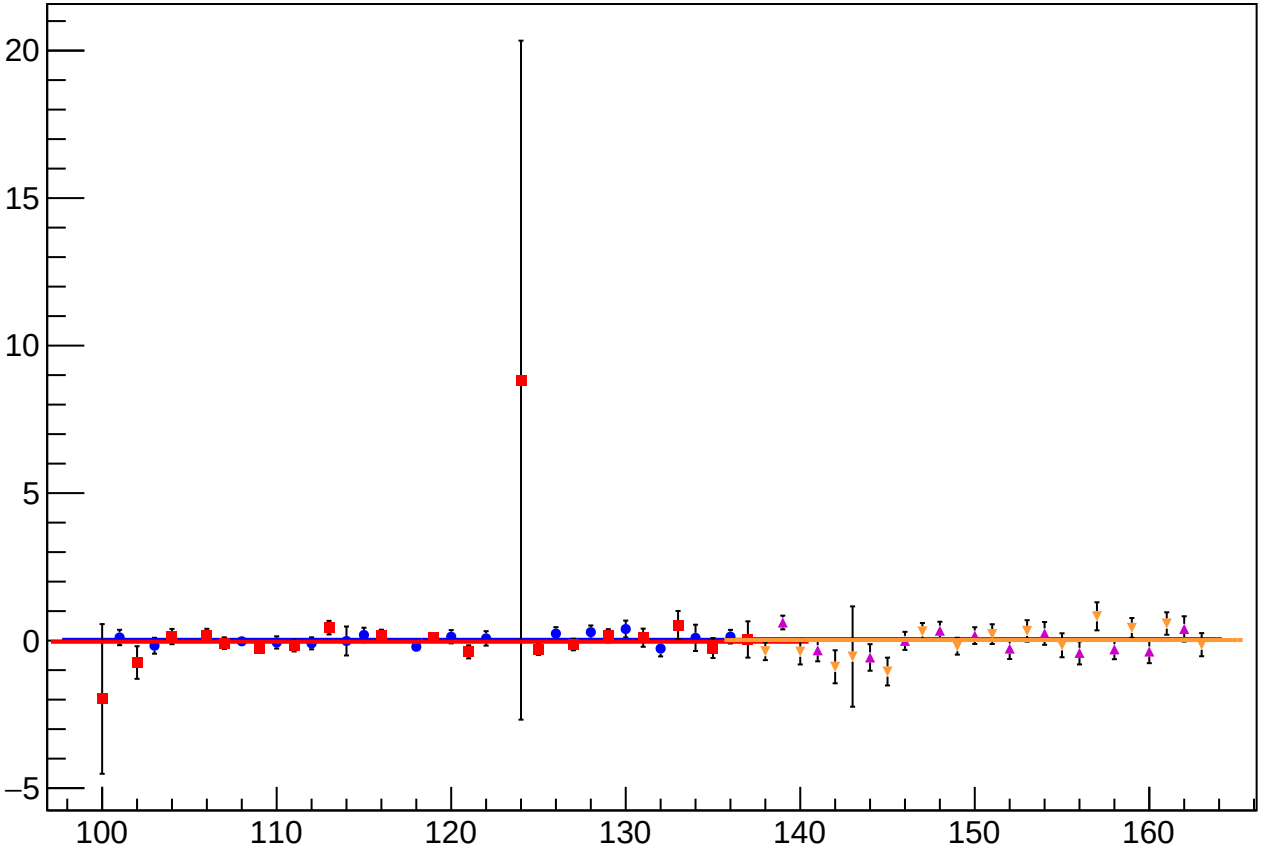
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8114734.5/27

Out: 0.006+/-0.000 χ^2/NDF:7971164.2/32

All: 0.006+/-0.000 χ^2/NDF: 16131856.2/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

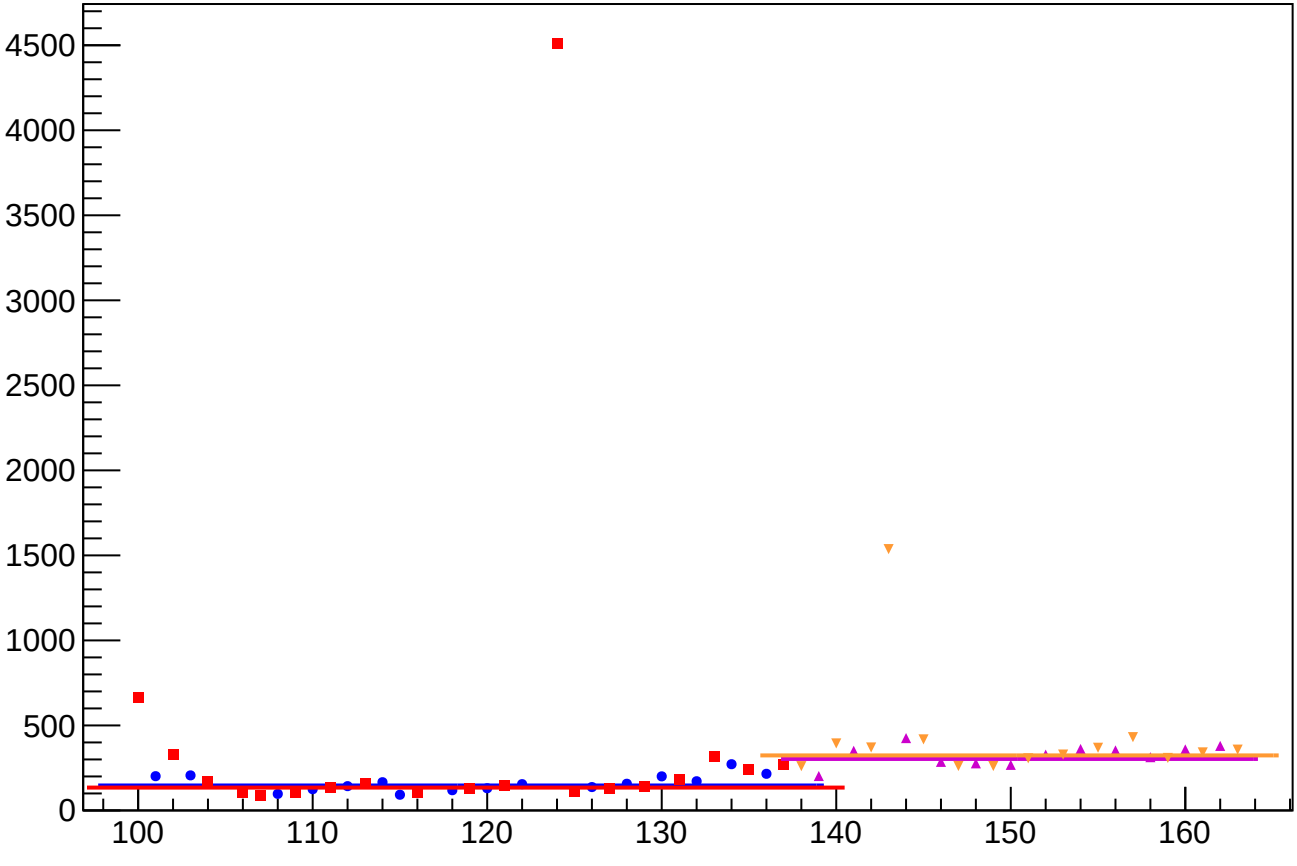
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

Left: 312.865+/-0.049 χ^2/NDF: 2440740.6/25

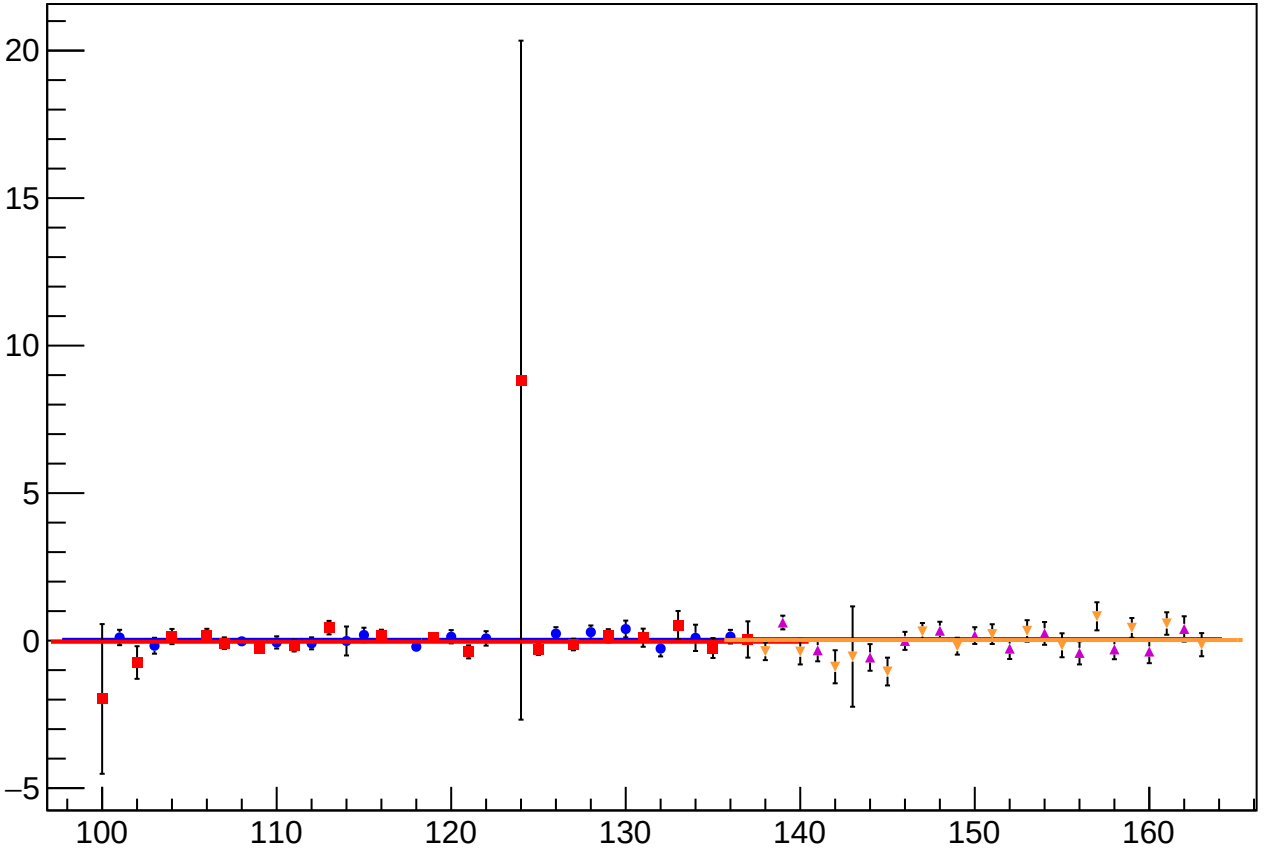
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 187.674+/-0.035 χ^2/NDF:5628053.4/27

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

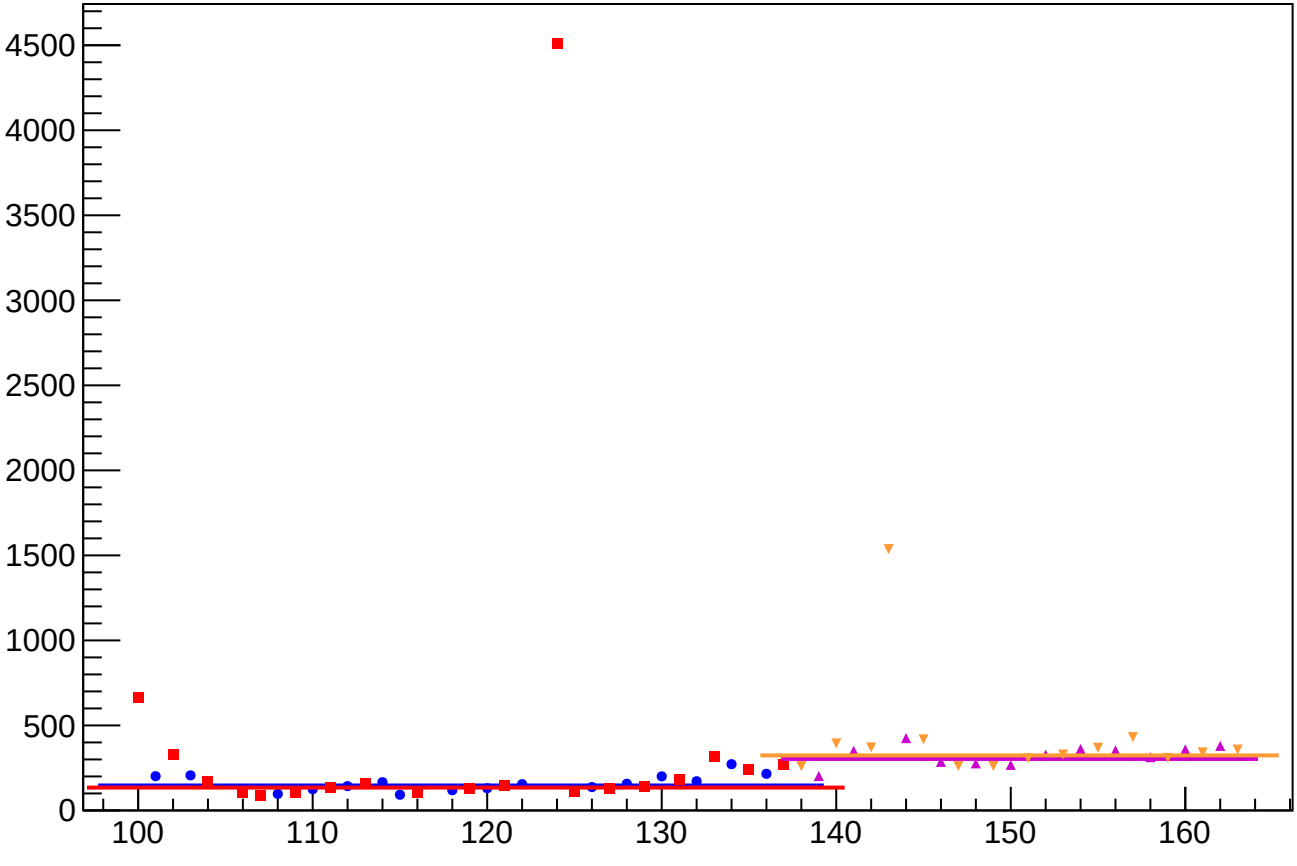
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

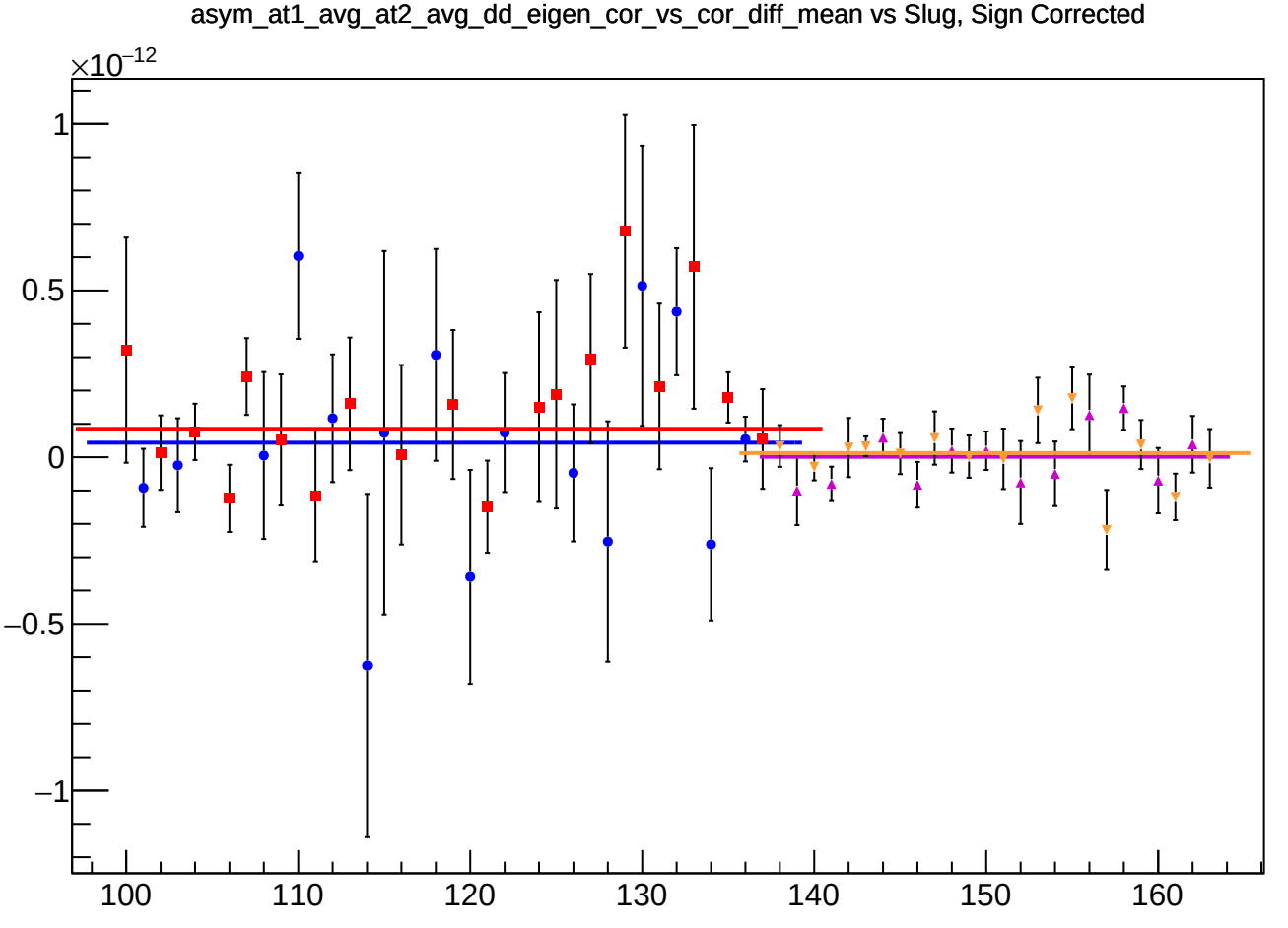
Left: 312.865+/-0.049 χ^2/NDF: 2440740.6/25

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 187.674+/-0.035 χ^2/NDF:5628053.4/27

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/11

Left: 0.000+/-0.000 χ^2/NDF: 28.1/25

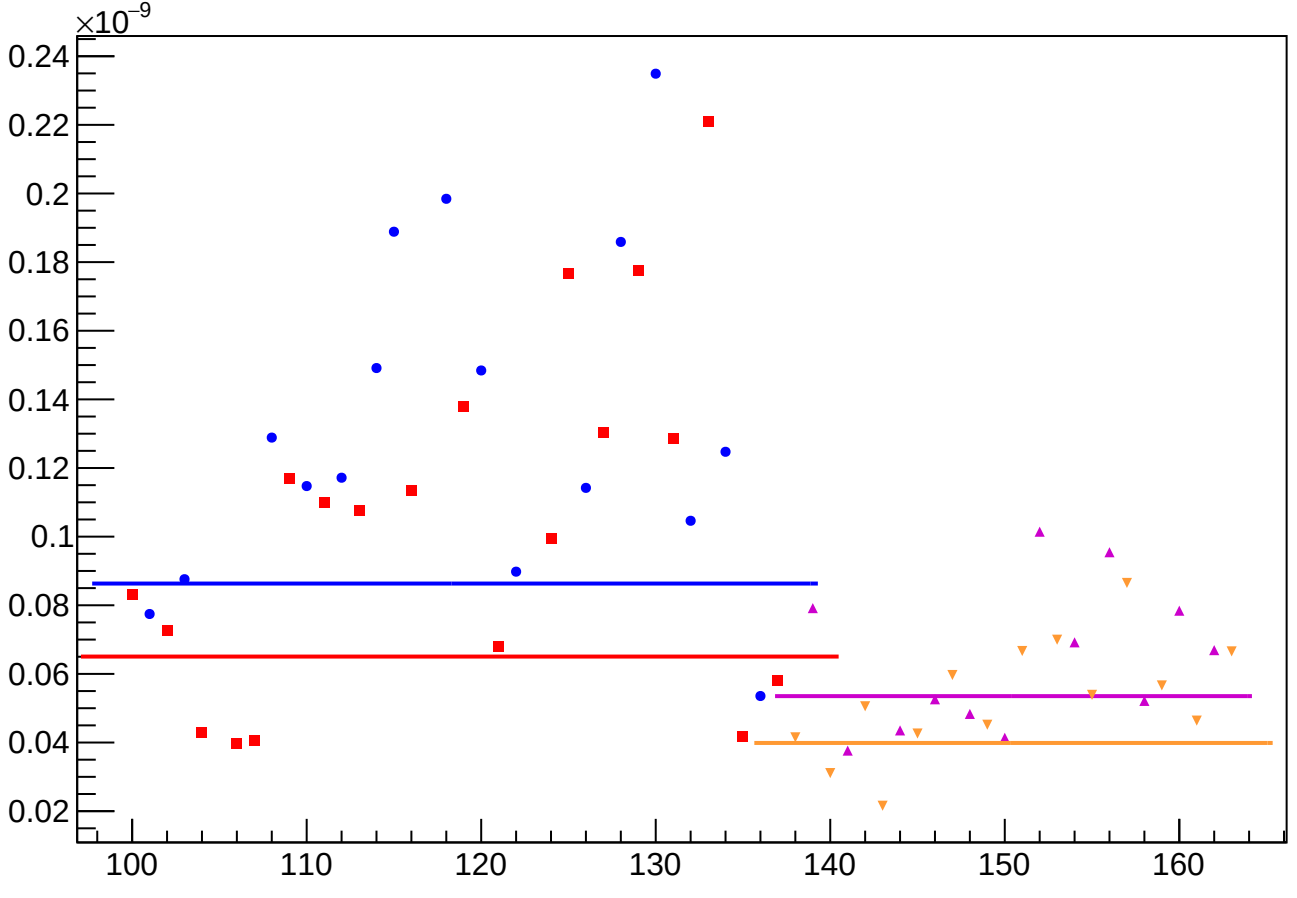
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 70.0/60

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:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/11

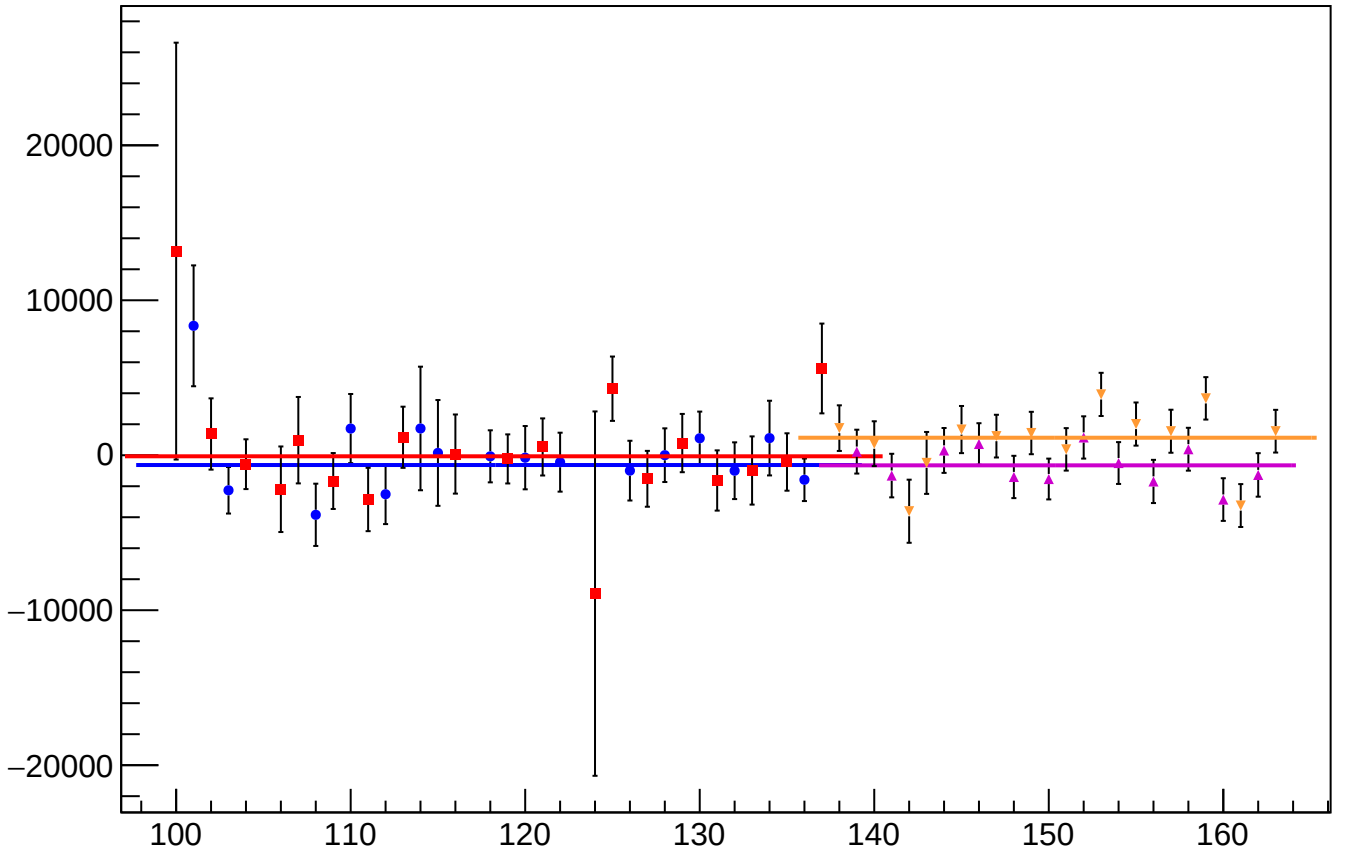
Left: 0.000+/-0.000 χ^2/NDF: 3804457.2/25

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3755725.2/27

Out: 0.000+/-0.000 χ^2/NDF:5079412.5/32

All: 0.000+/-0.000 χ^2/NDF: 9655104.2/60



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.306+/-389.562 χ^2/NDF:24.9/13

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -651.480+/-398.041 χ^2/NDF:8.5/11

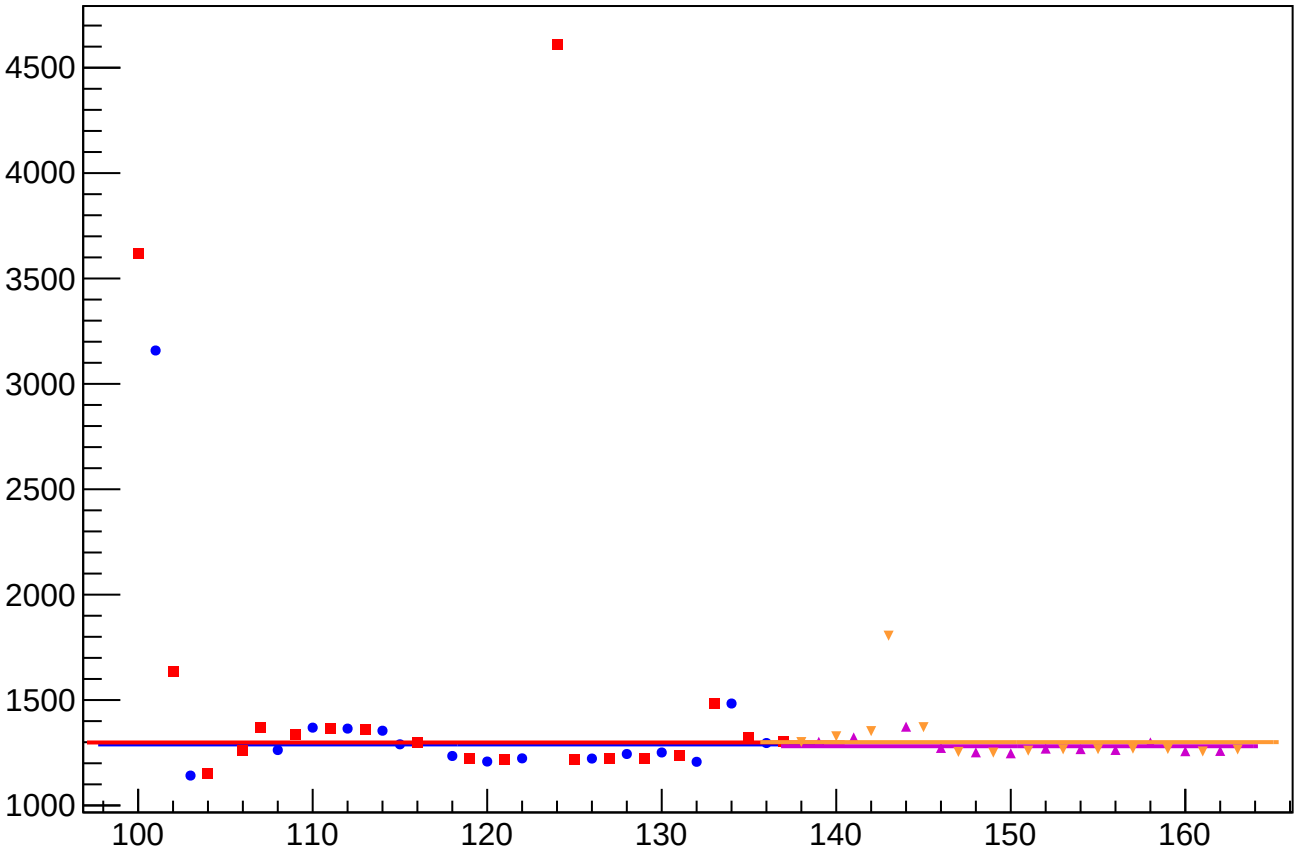
Left: 258.591+/-278.411 χ^2/NDF: 43.6/25

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -643.328+/-308.615 χ^2/NDF:22.4/27

Out: 663.758+/-304.394 χ^2/NDF:44.4/32

All: 19.216+/-216.716 χ^2/NDF: 75.9/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

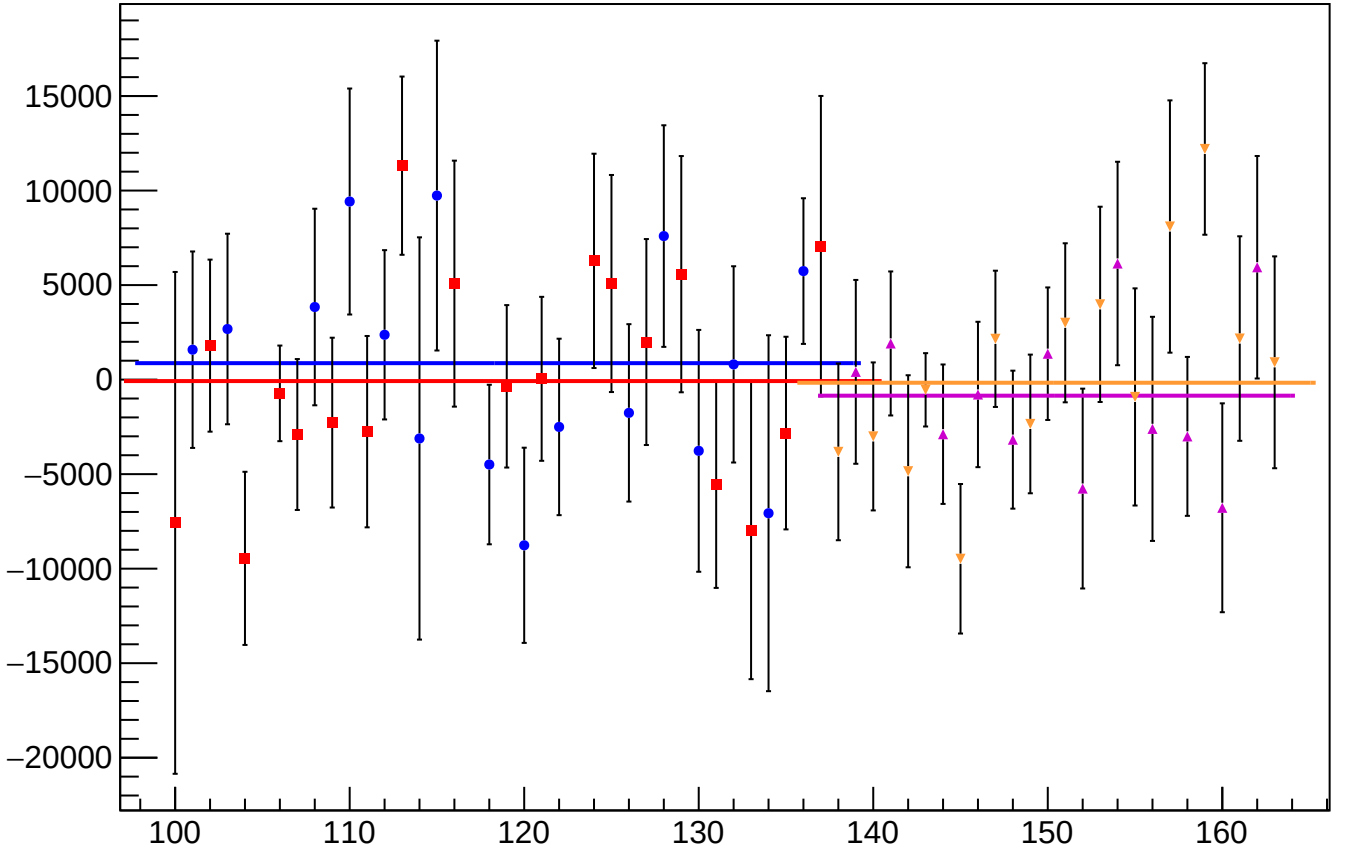
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1284.335+/-0.218 χ^2/NDF:529806.9/27

Out: 1299.664+/-0.215 χ^2/NDF:468035.3/32

All: 1292.113+/-0.153 χ^2/NDF: 1000345.9/60

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -165.392+/-1058.655 χ^2/NDF:18.8/13

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -850.143+/-1264.028 χ^2/NDF:7.1/11

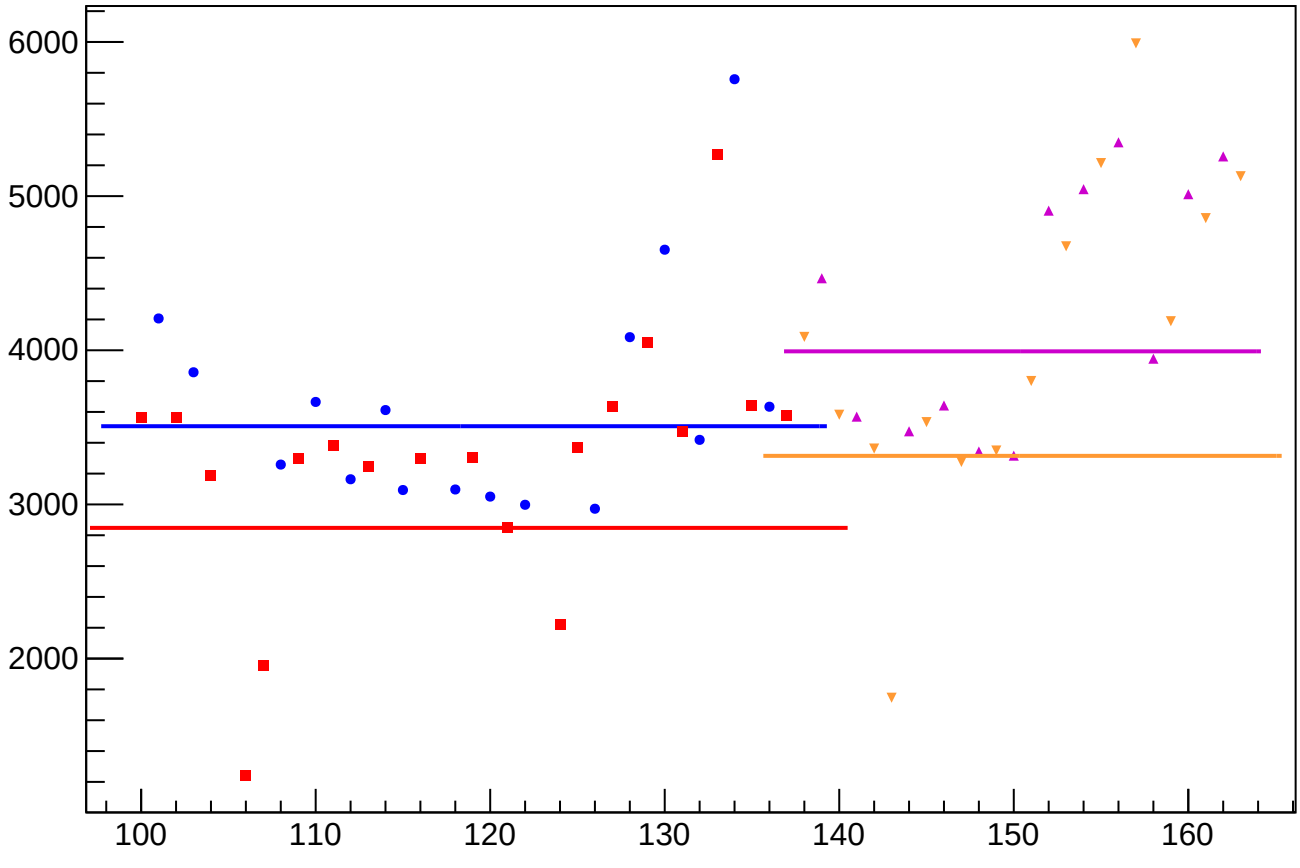
Left: -447.691+/-811.605 χ^2/NDF: 26.0/25

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -30.598+/-914.690 χ^2/NDF:22.0/27

Out: -123.484+/-766.444 χ^2/NDF:37.1/32

All: -85.169+/-587.469 χ^2/NDF: 59.1/60



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3315.074+/-0.749 χ^2/NDF:2531086.6/13

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3993.063+/-0.894 χ^2/NDF:639372.8/11

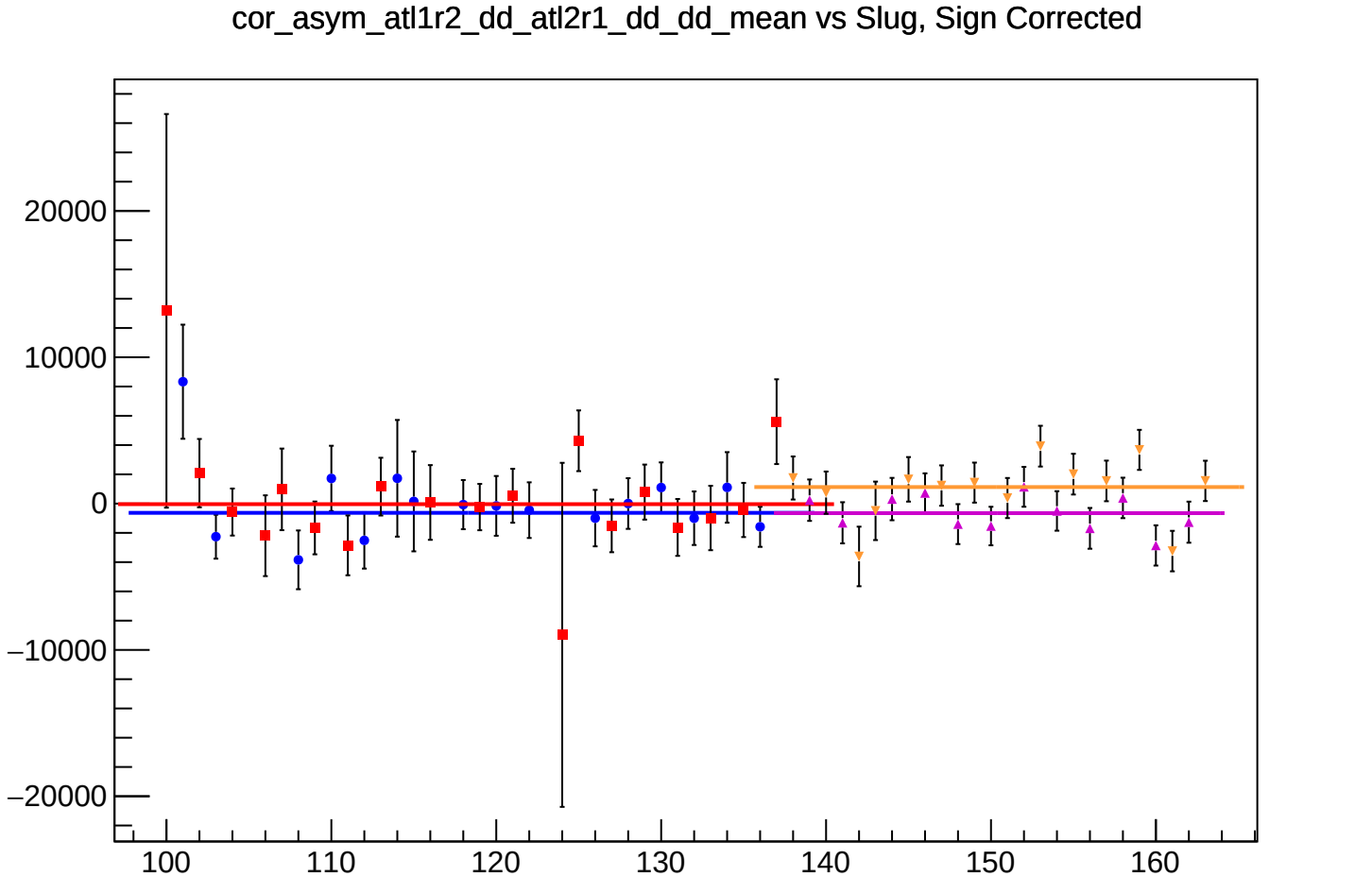
Left: 3594.585+/-0.574 χ^2/NDF: 3508636.0/25

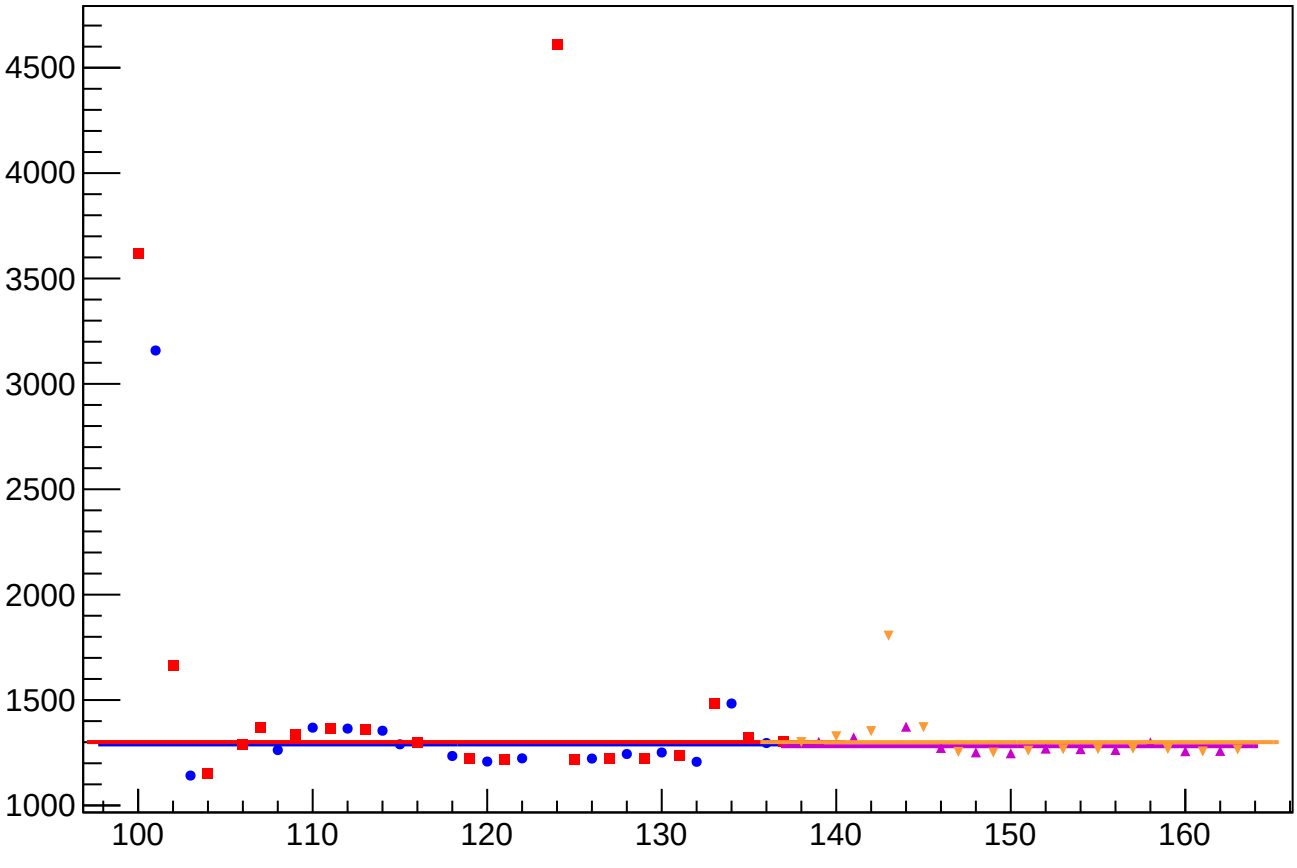
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3761.712+/-0.647 χ^2/NDF:1133997.3/27

Out: 3092.735+/-0.542 χ^2/NDF:4215846.5/32

All: 3368.687+/-0.415 χ^2/NDF: 5978356.5/60


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1130.336+/-389.562 χ²/NDF:24.9/13
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -651.455+/-398.041 χ²/NDF:8.5/11
Left: 258.618+/-278.411 χ²/NDF: 43.6/25
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -643.467+/-308.615 χ²/NDF:22.4/27
Out: 675.447+/-304.472 χ²/NDF:44.7/32
All: 24.902+/-216.744 χ²/NDF: 76.3/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

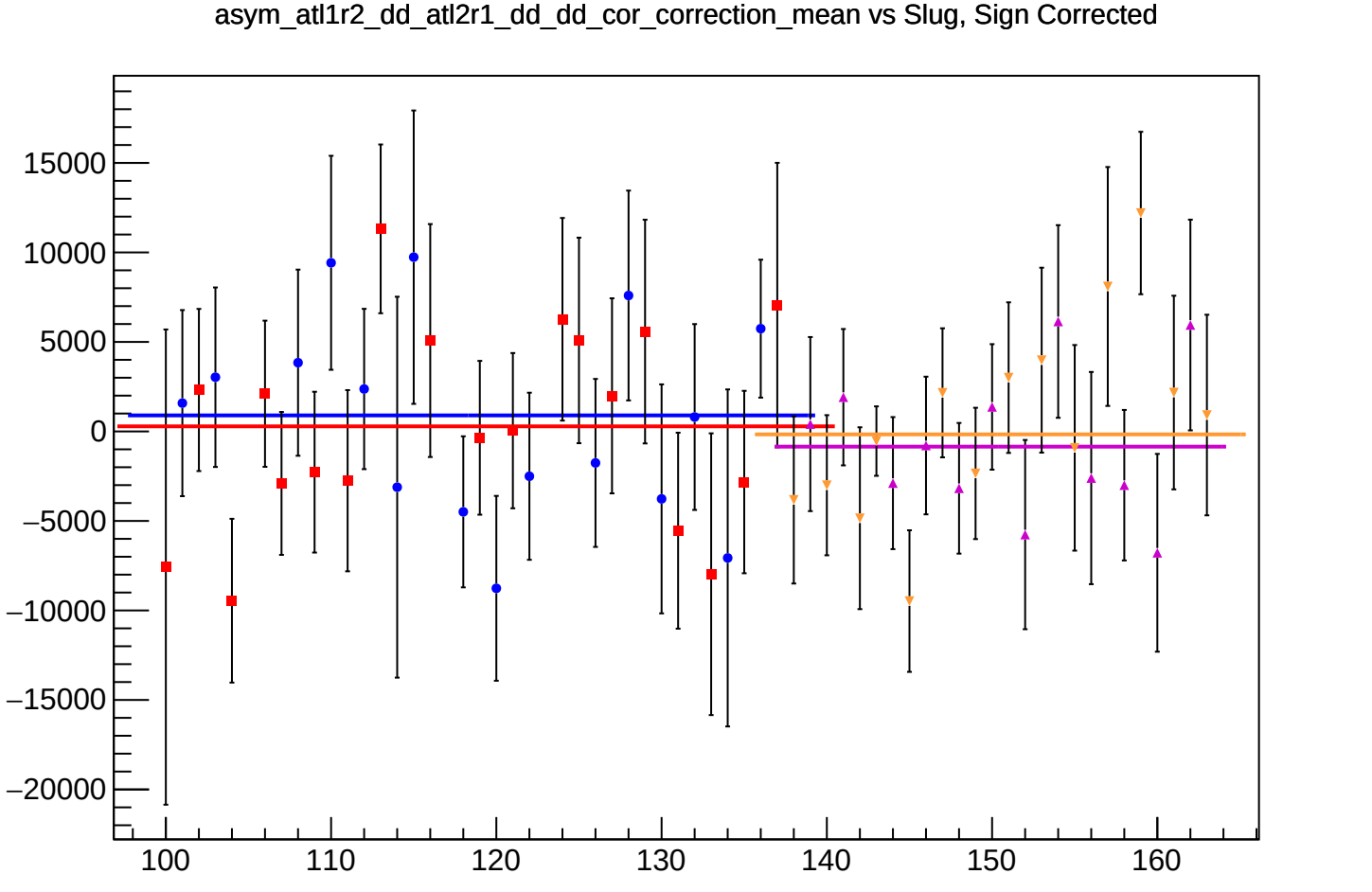
Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

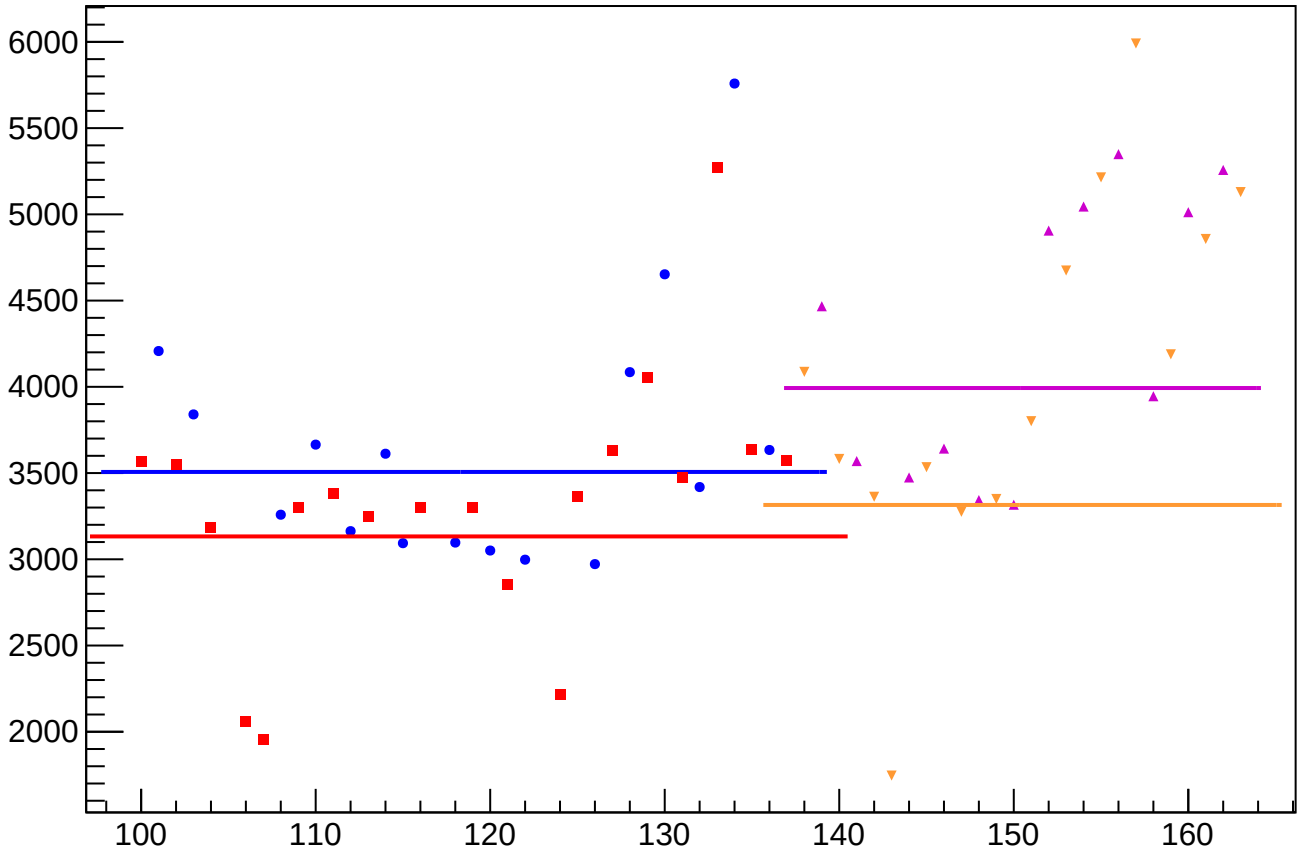
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1284.335+/-0.218 χ^2/NDF:529808.4/27

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -165.293+/-1058.652 χ²/NDF:18.8/13
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -850.171+/-1264.027 χ²/NDF:7.1/11
Left: -447.644+/-811.604 χ²/NDF: 26.0/25
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -18.062+/-914.540 χ²/NDF:22.1/27
Out: 34.458+/-788.943 χ²/NDF:37.5/32
All: 12.050+/-597.377 χ²/NDF: 59.5/60



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

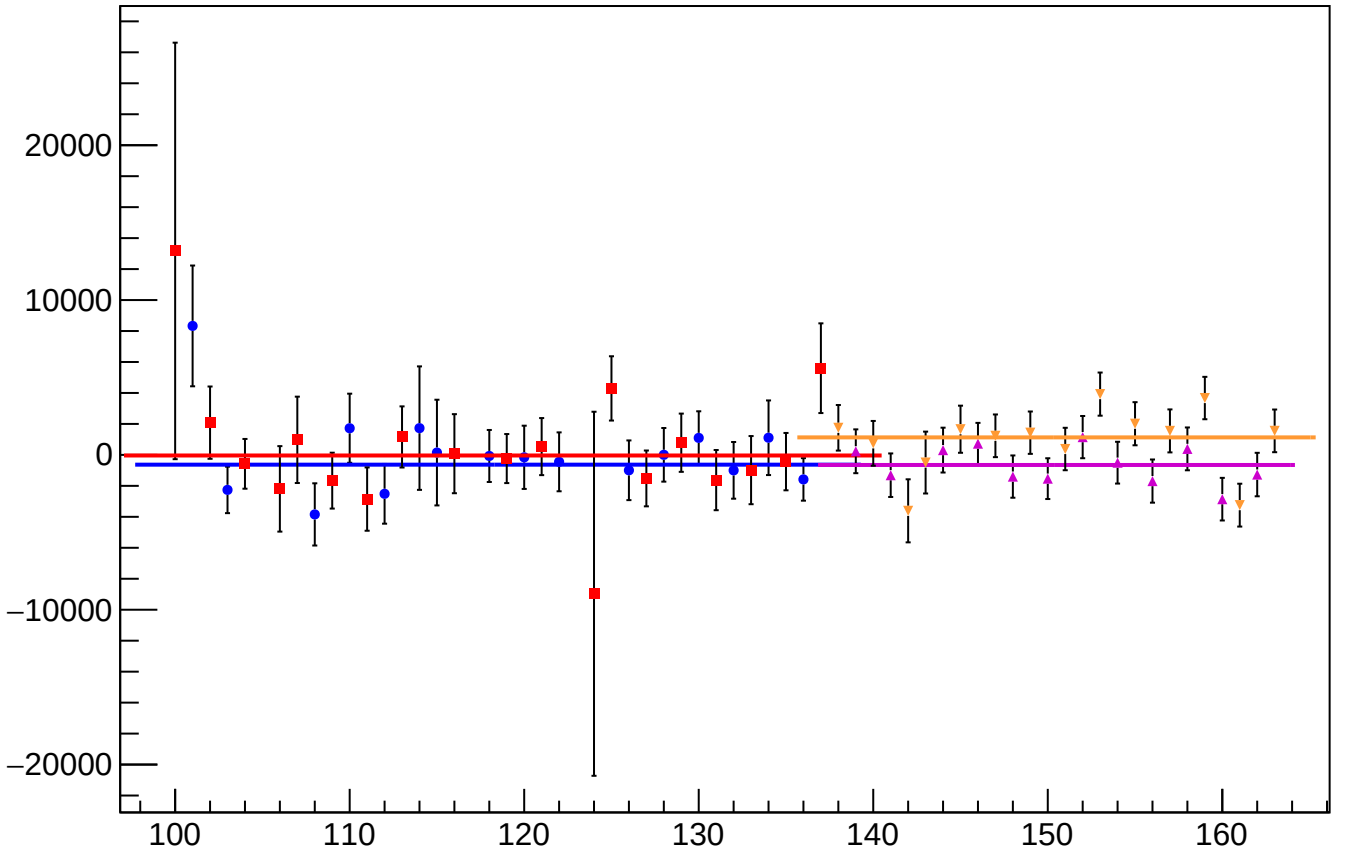
Left: 3594.577+/-0.574 χ^2/NDF: 3508665.8/25

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3761.192+/-0.647 χ^2/NDF:1133834.6/27

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1130.336+/-389.562 χ^2/NDF:24.9/13

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -651.455+/-398.041 χ^2/NDF:8.5/11

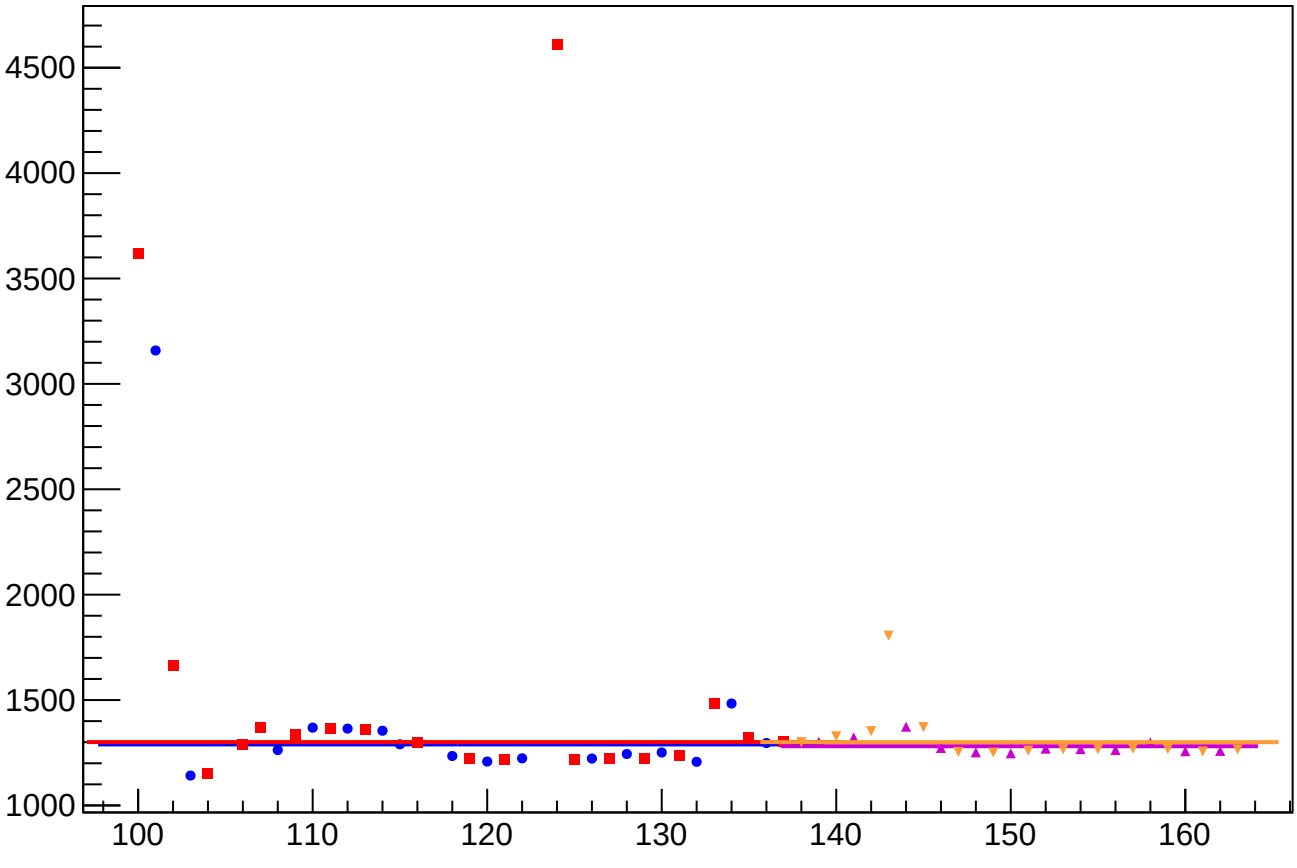
Left: 258.618+/-278.411 χ^2/NDF: 43.6/25

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -643.467+/-308.615 χ^2/NDF:22.4/27

Out: 675.447+/-304.472 χ^2/NDF:44.7/32

All: 24.902+/-216.744 χ^2/NDF: 76.3/60



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1300.311+/-0.275 χ^2/NDF:148646.3/13

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1280.930+/-0.281 χ^2/NDF:14765.0/11

Left: 1290.829+/-0.197 χ^2/NDF: 165833.0/25

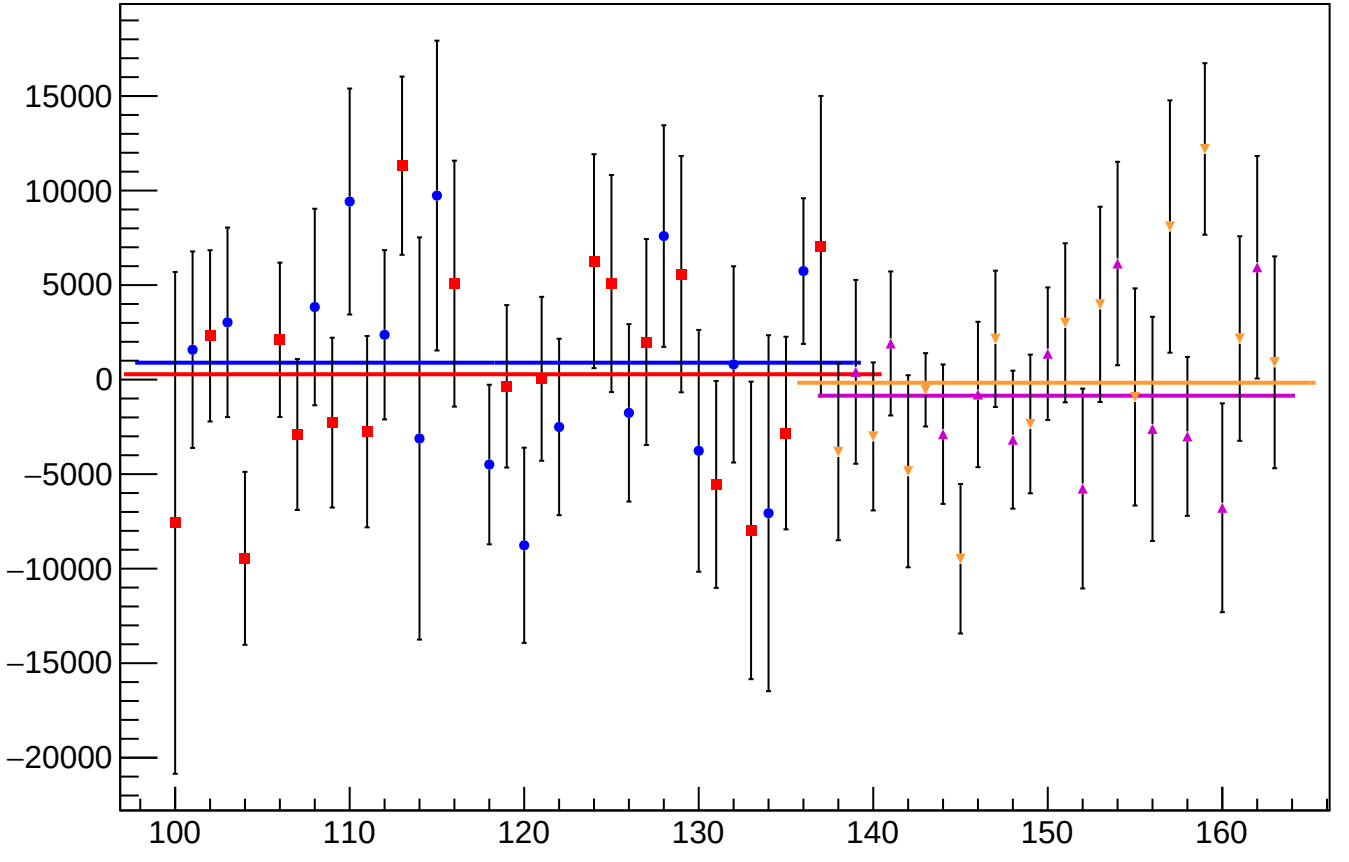
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1284.335+/-0.218 χ^2/NDF:529808.4/27

Out: 1300.456+/-0.215 χ^2/NDF:474554.7/32

All: 1292.510+/-0.153 χ^2/NDF: 1007130.7/60

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: -165.293+/-1058.652 χ^2/NDF:18.8/13

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -850.171+/-1264.027 χ^2/NDF:7.1/11

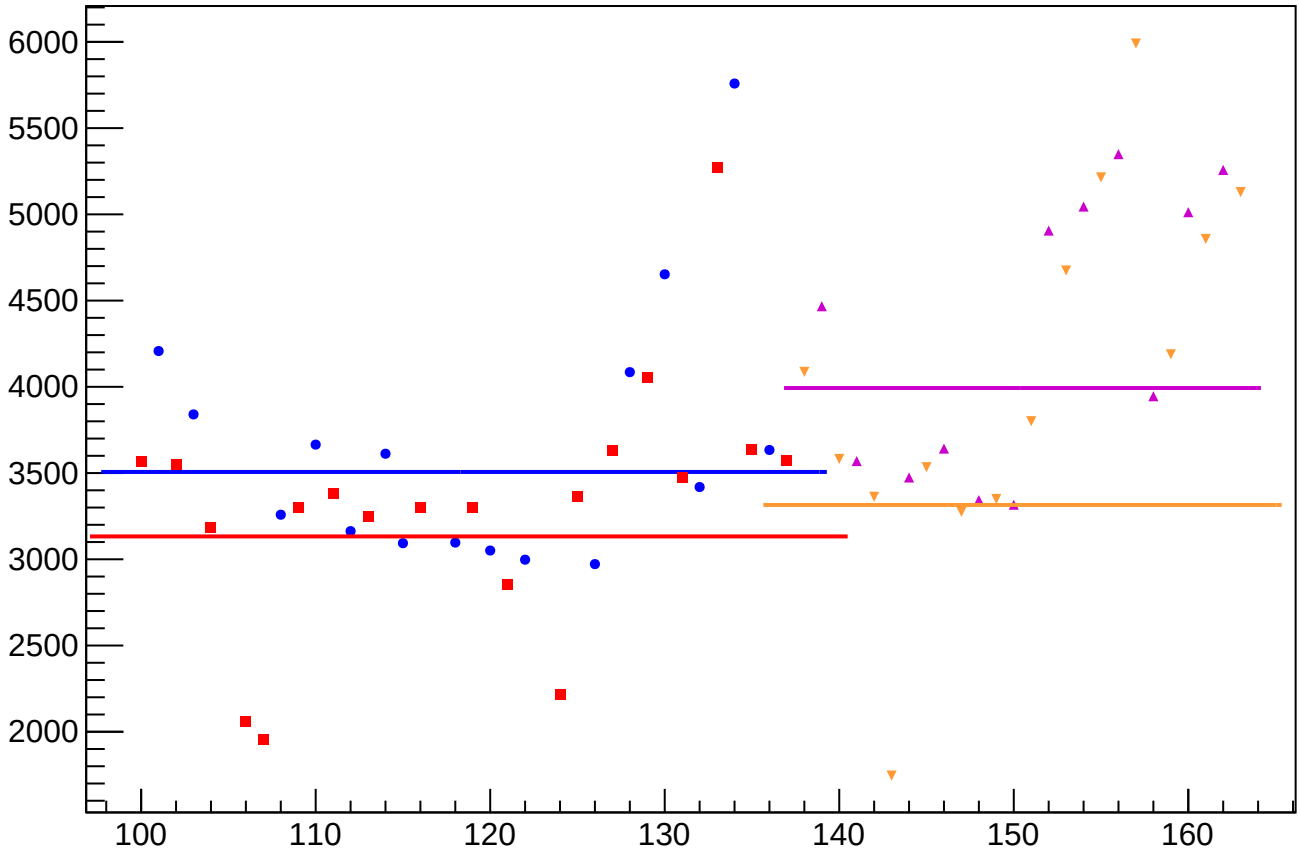
Left: -447.644+/-811.604 χ^2/NDF: 26.0/25

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -18.062+/-914.540 χ^2/NDF:22.1/27

Out: 34.458+/-788.943 χ^2/NDF:37.5/32

All: 12.050+/-597.377 χ^2/NDF: 59.5/60



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3315.063+/-0.749 χ^2/NDF:2531108.0/13

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3993.059+/-0.894 χ^2/NDF:639373.6/11

Left: 3594.577+/-0.574 χ^2/NDF: 3508665.8/25

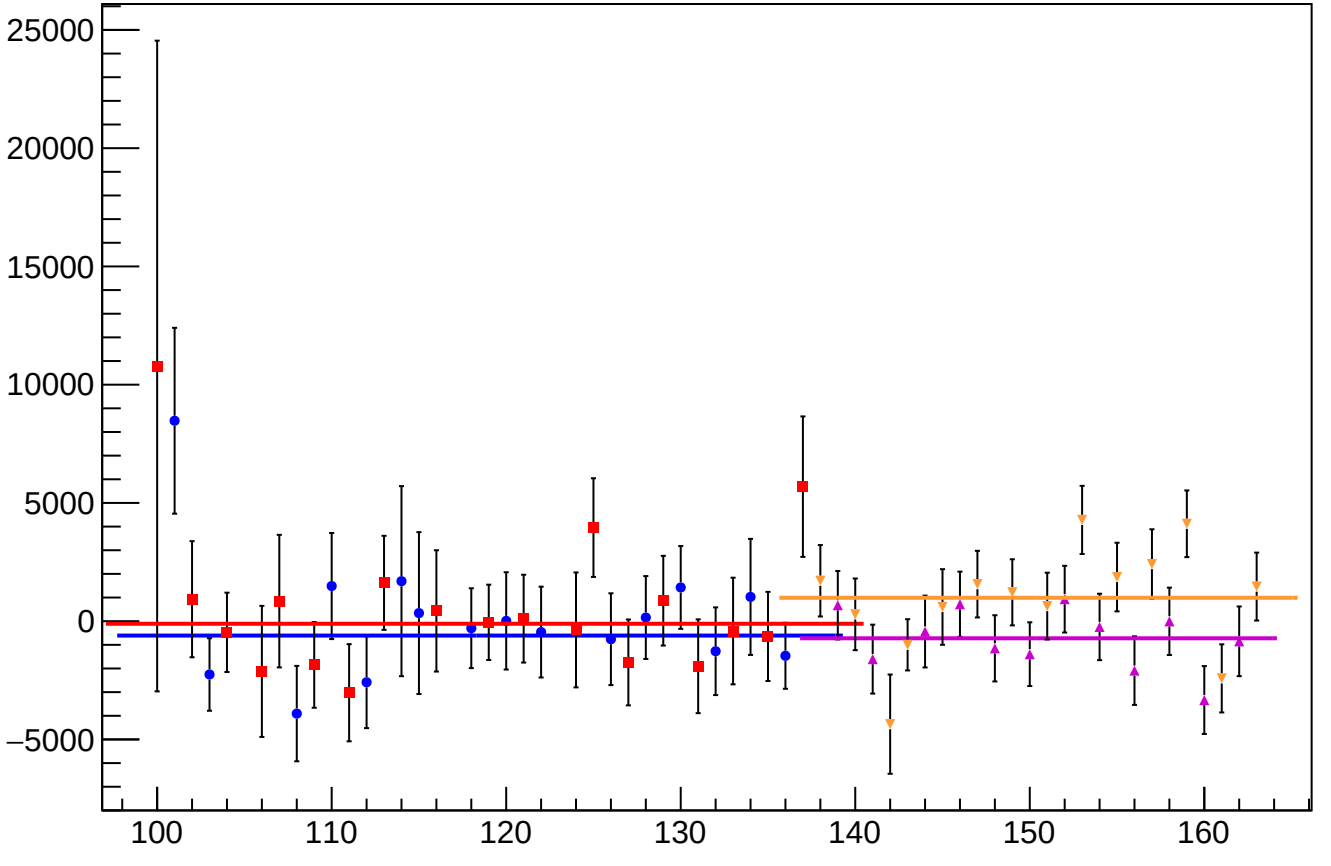
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3761.192+/-0.647 χ^2/NDF:1133834.6/27

Out: 3233.929+/-0.558 χ^2/NDF:3207139.2/32

All: 3458.896+/-0.422 χ^2/NDF: 4722113.6/60

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.710+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -723.521+/-411.888 χ^2/NDF:8.7/11

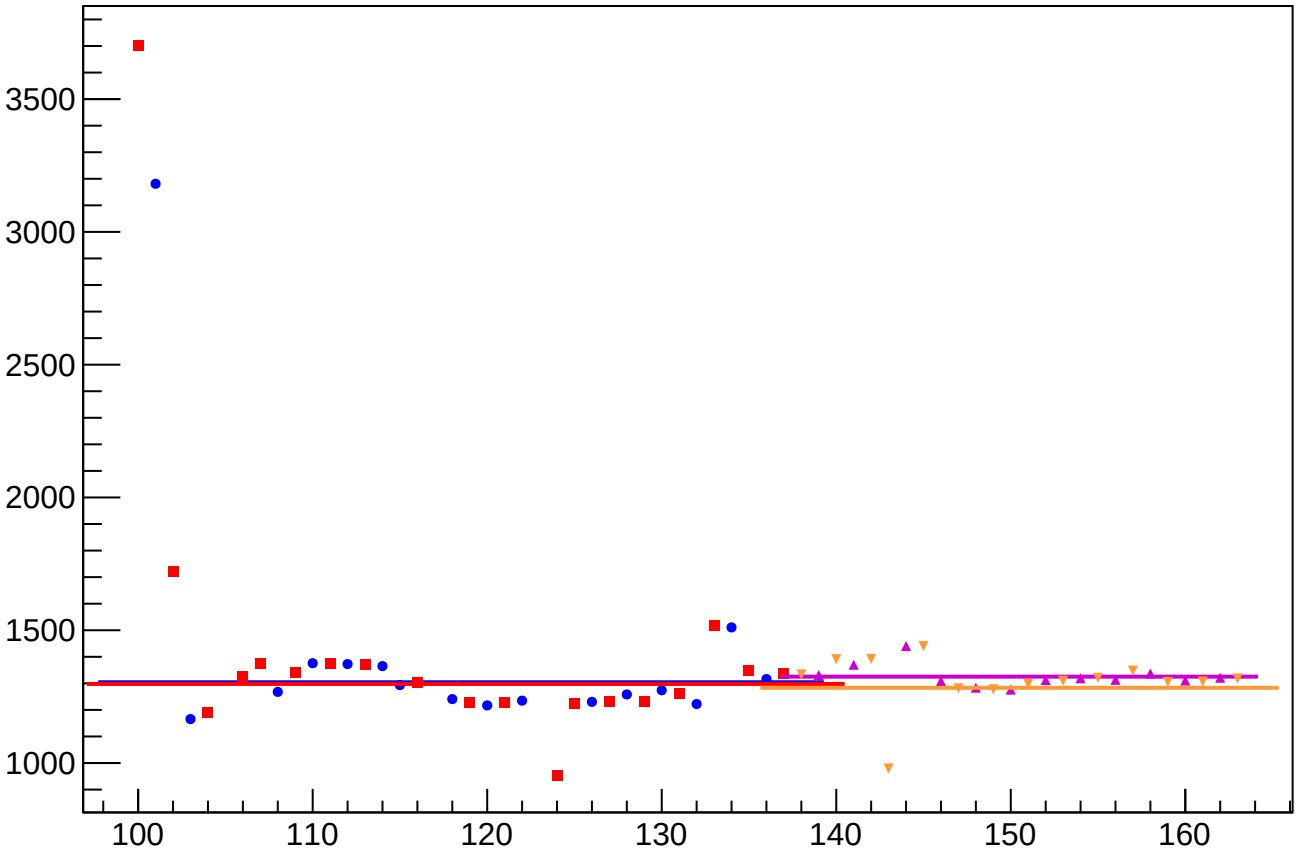
Left: 190.925+/-281.246 χ^2/NDF: 45.7/25

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -676.098+/-316.399 χ^2/NDF:22.9/27

Out: 565.793+/-301.656 χ^2/NDF:45.8/32

All: -25.544+/-218.329 χ^2/NDF: 76.7/60



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.230+/-0.272 χ^2/NDF:202612.3/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1325.265+/-0.291 χ^2/NDF:18919.4/11

Left: 1302.829+/-0.199 χ^2/NDF: 232650.1/25

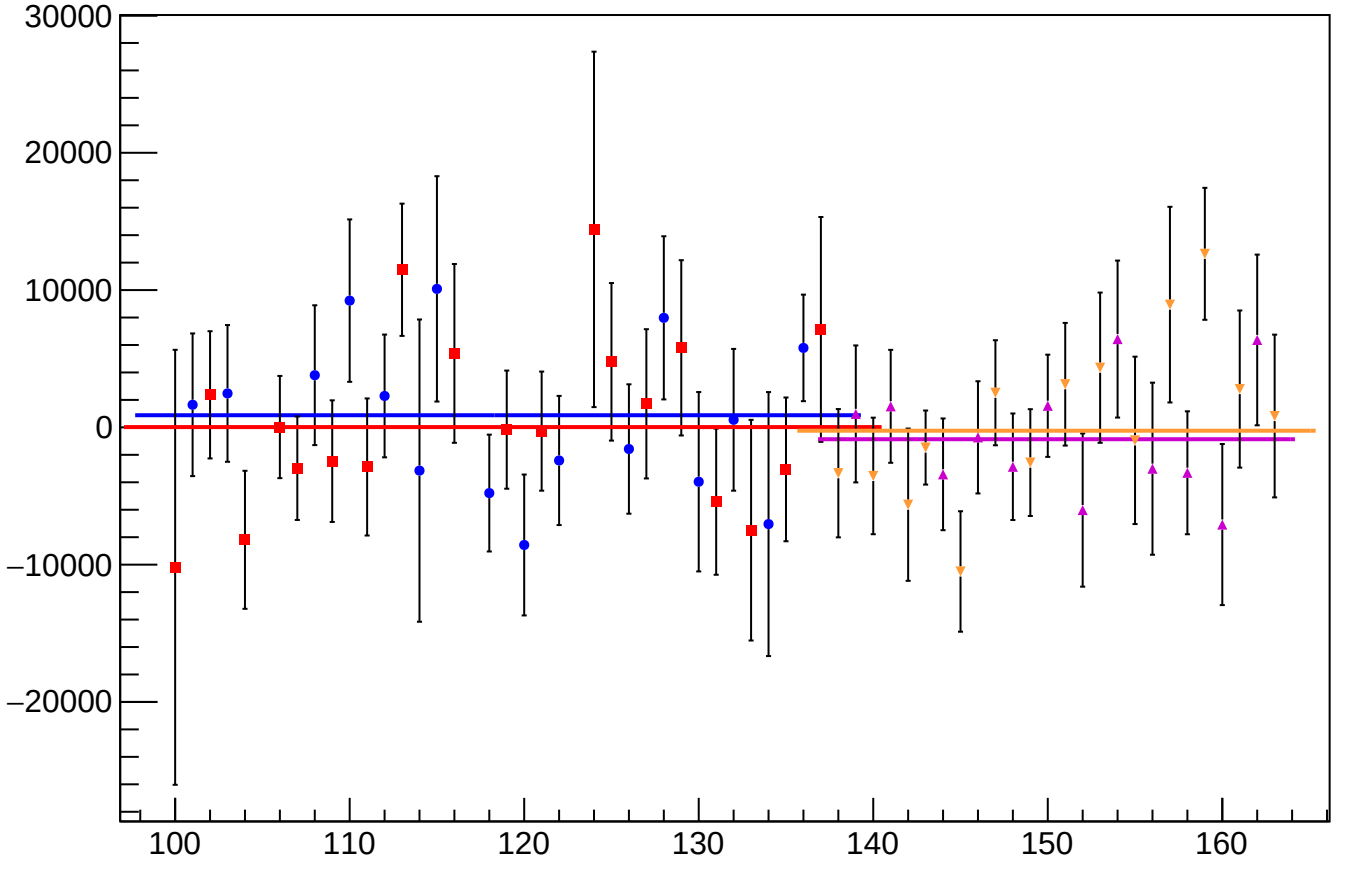
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1316.590+/-0.224 χ^2/NDF:531673.1/27

Out: 1288.857+/-0.213 χ^2/NDF:416815.4/32

All: 1302.058+/-0.154 χ^2/NDF: 956539.9/60

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: -243.884+/-1203.871 χ^2/NDF:19.0/13

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -864.193+/-1347.089 χ^2/NDF:6.9/11

Left: -519.322+/-897.644 χ^2/NDF: 26.0/25

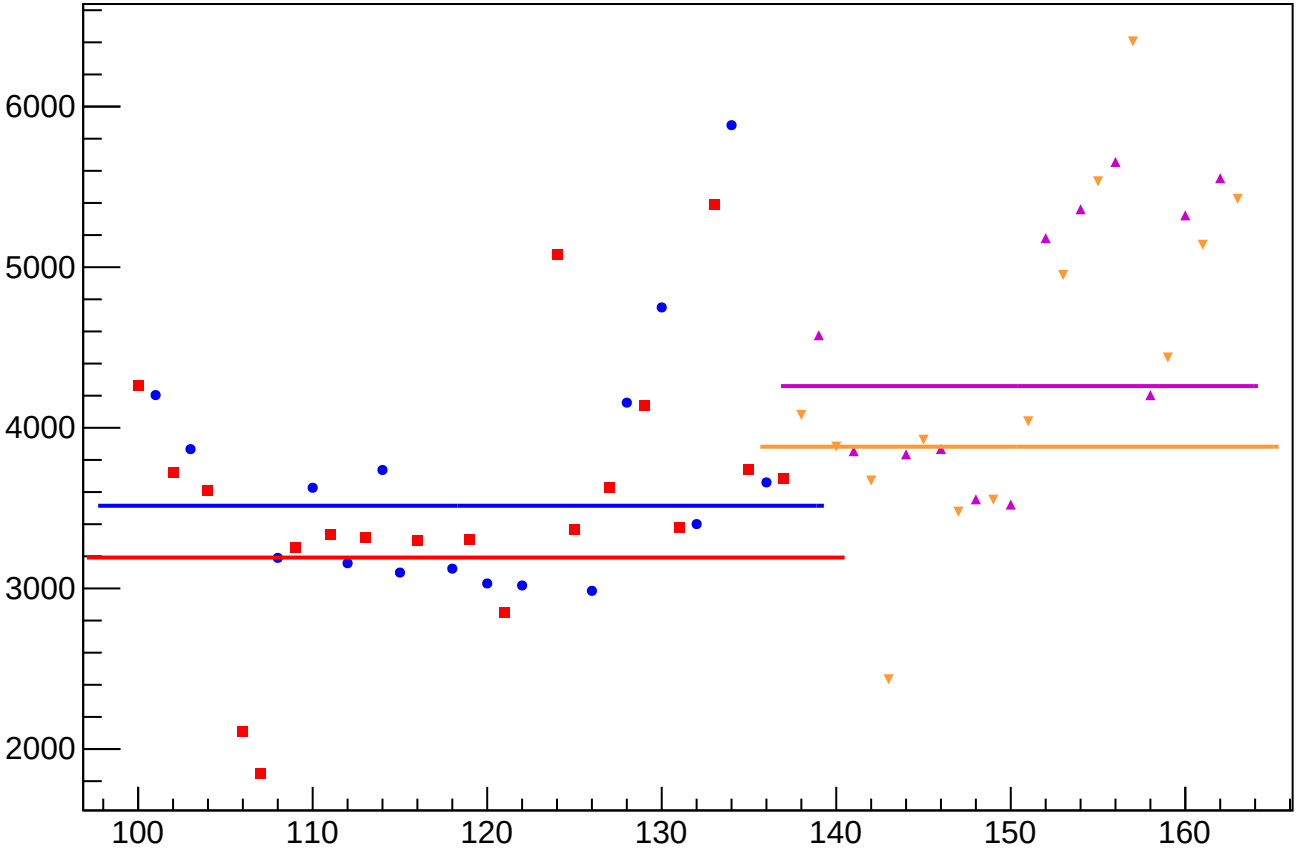
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 22.803+/-945.497 χ^2/NDF:21.9/27

Out: -111.177+/-849.899 χ^2/NDF:35.8/32

All: -51.301+/-632.073 χ^2/NDF: 57.8/60

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: 3882.446+/-0.851 χ^2/NDF:1355221.4/13

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4259.773+/-0.953 χ^2/NDF:592481.9/11

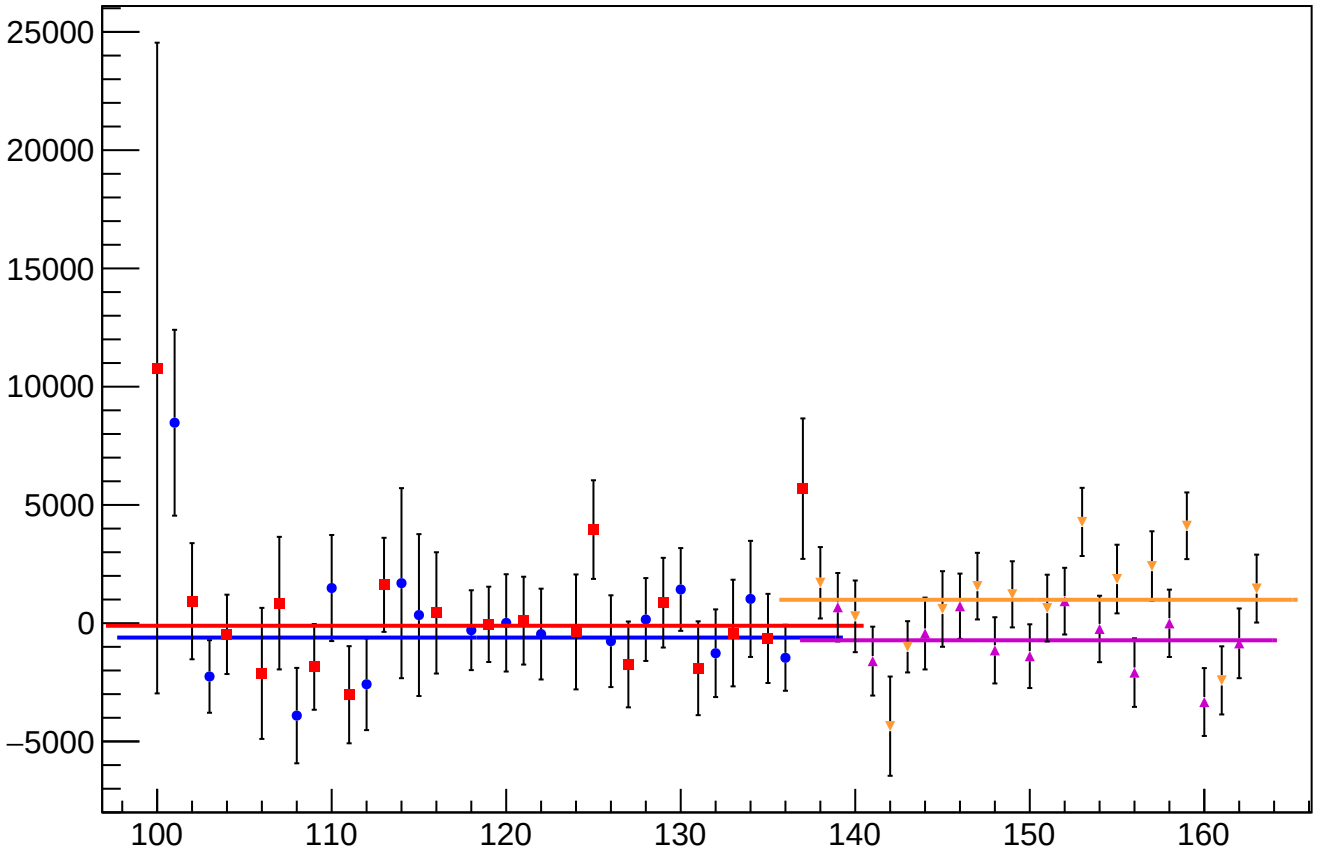
Left: 4049.992+/-0.635 χ^2/NDF: 2034944.4/25

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3881.775+/-0.669 χ^2/NDF:1277945.1/27

Out: 3536.218+/-0.601 χ^2/NDF:2457505.3/32

All: 3690.649+/-0.447 χ^2/NDF: 3883207.9/60



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 989.716+/-384.960 χ^2/NDF:27.8/13

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -723.521+/-411.889 χ^2/NDF:8.7/11

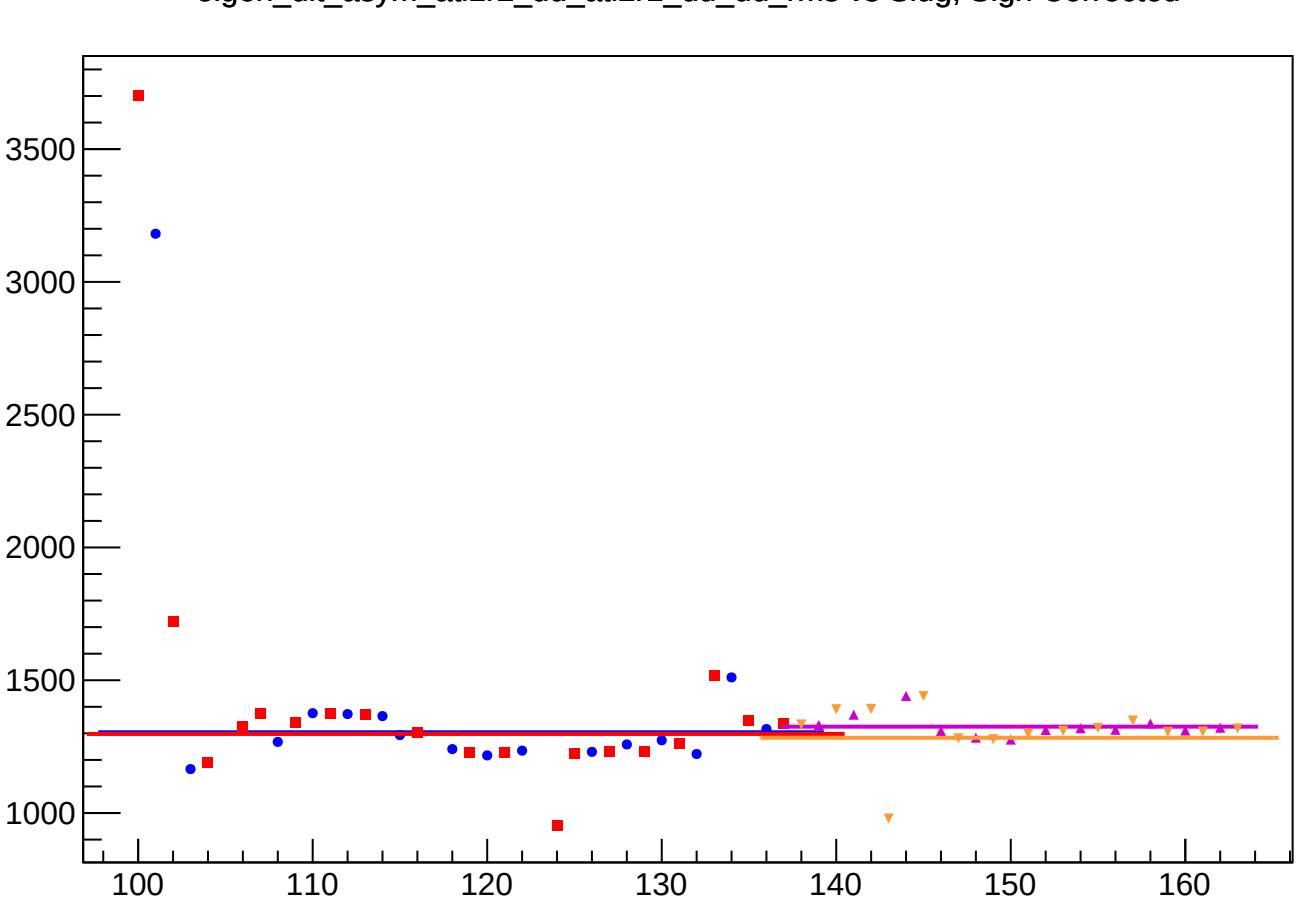
Left: 190.928+/-281.246 χ^2/NDF: 45.7/25

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -676.099+/-316.399 χ^2/NDF:22.9/27

Out: 565.794+/-301.656 χ^2/NDF:45.8/32

All: -25.544+/-218.329 χ^2/NDF: 76.7/60



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.231+/-0.272 χ^2/NDF:202612.9/13

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1325.266+/-0.291 χ^2/NDF:18919.5/11

Left: 1302.830+/-0.199 χ^2/NDF: 232650.8/25

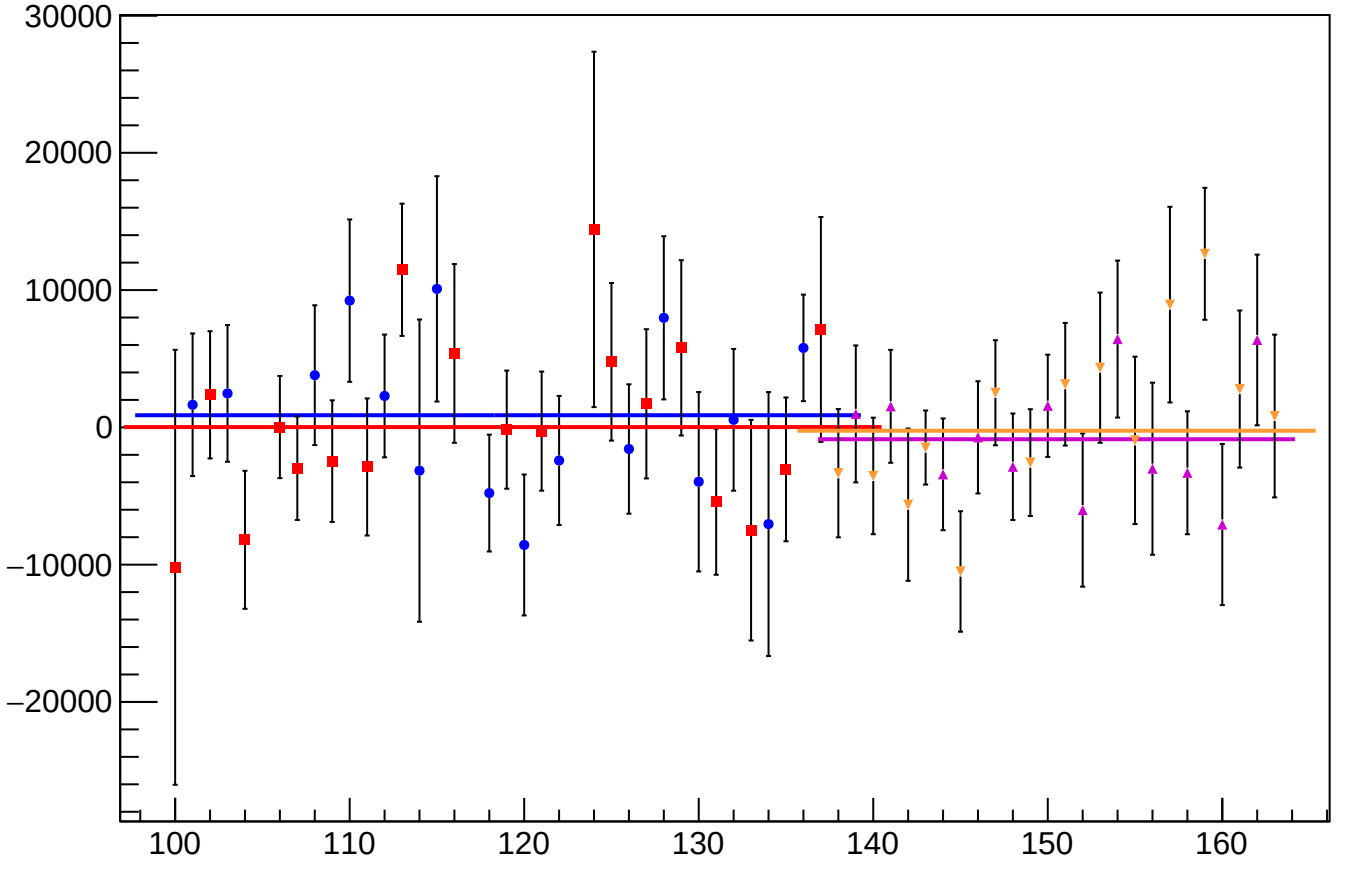
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1316.591+/-0.224 χ^2/NDF:531673.6/27

Out: 1288.858+/-0.213 χ^2/NDF:416815.9/32

All: 1302.059+/-0.154 χ^2/NDF: 956540.9/60

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: -243.880+/-1203.873 χ^2/NDF:19.0/13

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -864.193+/-1347.090 χ^2/NDF:6.9/11

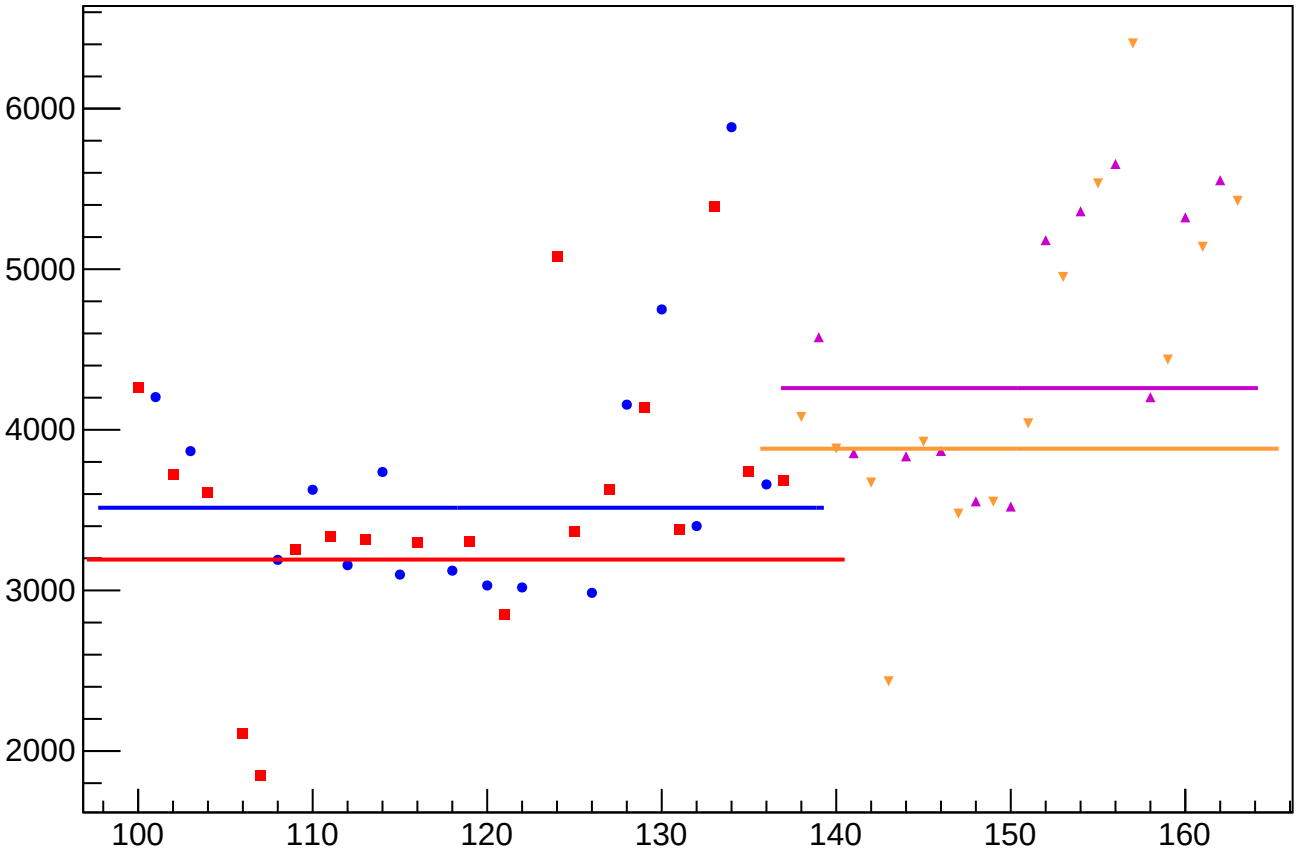
Left: -519.320+/-897.645 χ^2/NDF: 26.0/25

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 22.801+/-945.497 χ^2/NDF:21.9/27

Out: -111.176+/-849.898 χ^2/NDF:35.8/32

All: -51.302+/-632.073 χ^2/NDF: 57.8/60



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3882.452+/-0.851 χ^2/NDF:1355222.4/13

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4259.779+/-0.953 χ^2/NDF:592482.7/11

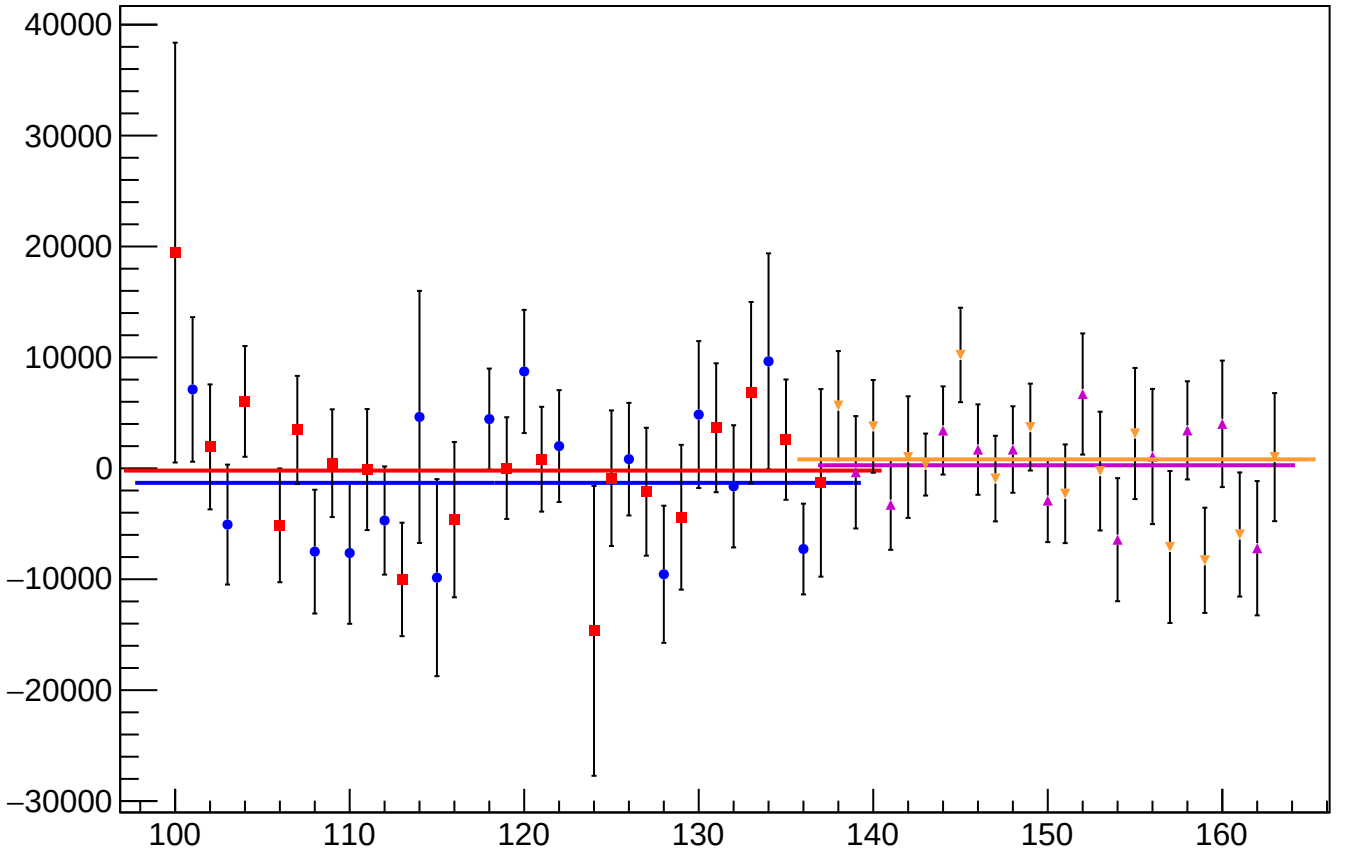
Left: 4049.998+/-0.635 χ^2/NDF: 2034946.2/25

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3881.772+/-0.669 χ^2/NDF:1277962.7/27

Out: 3536.215+/-0.601 χ^2/NDF:2457521.6/32

All: 3690.646+/-0.447 χ^2/NDF: 3883241.4/60



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 808.302+/-1204.711 χ^2/NDF:14.3/13

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 277.474+/-1334.091 χ^2/NDF:7.7/11

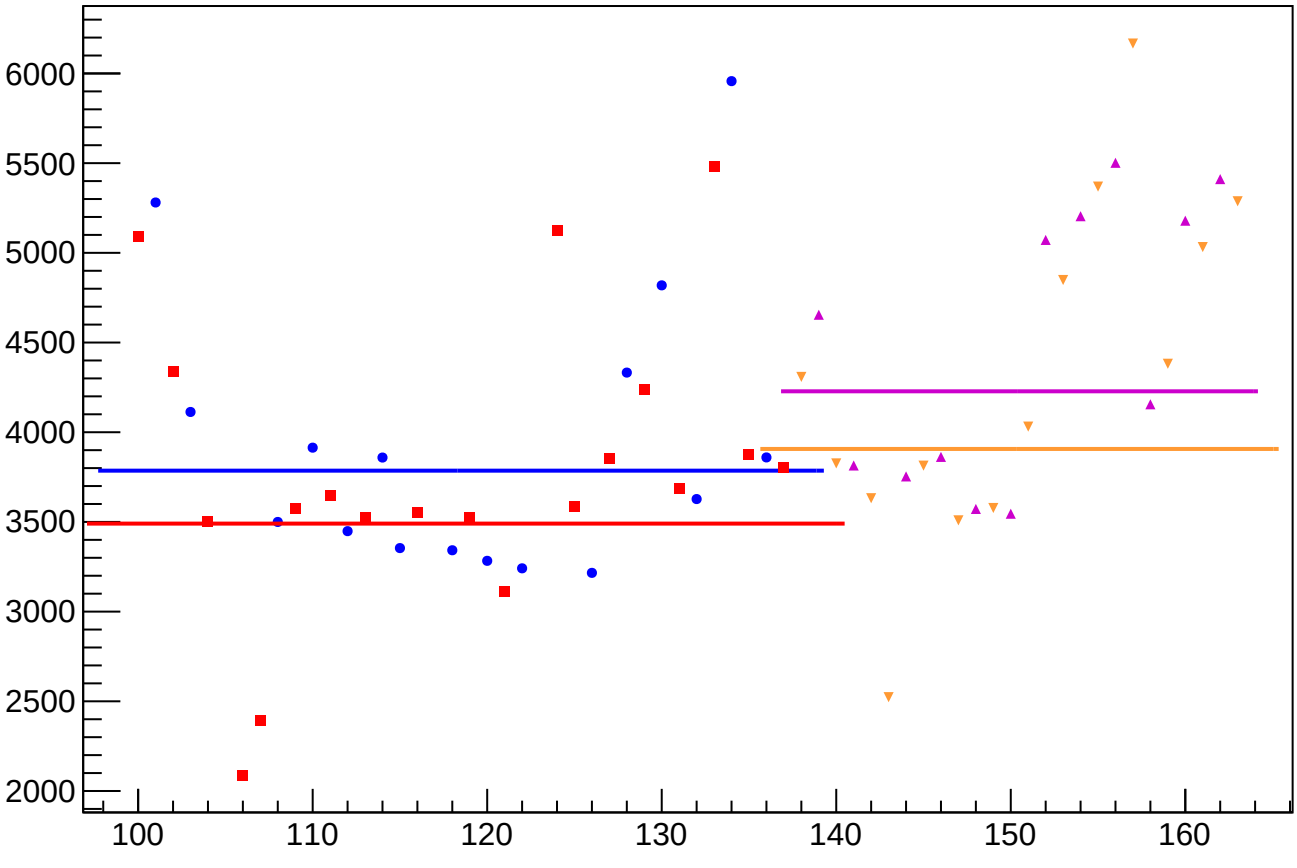
Left: 569.870+/-894.110 χ^2/NDF: 22.1/25

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -460.047+/-976.005 χ^2/NDF:25.9/27

Out: 355.424+/-894.703 χ^2/NDF:26.3/32

All: -16.938+/-659.523 χ^2/NDF: 52.6/60



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3906.792+/-0.852 χ^2/NDF:1164376.9/13

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4228.099+/-0.943 χ^2/NDF:531883.9/11

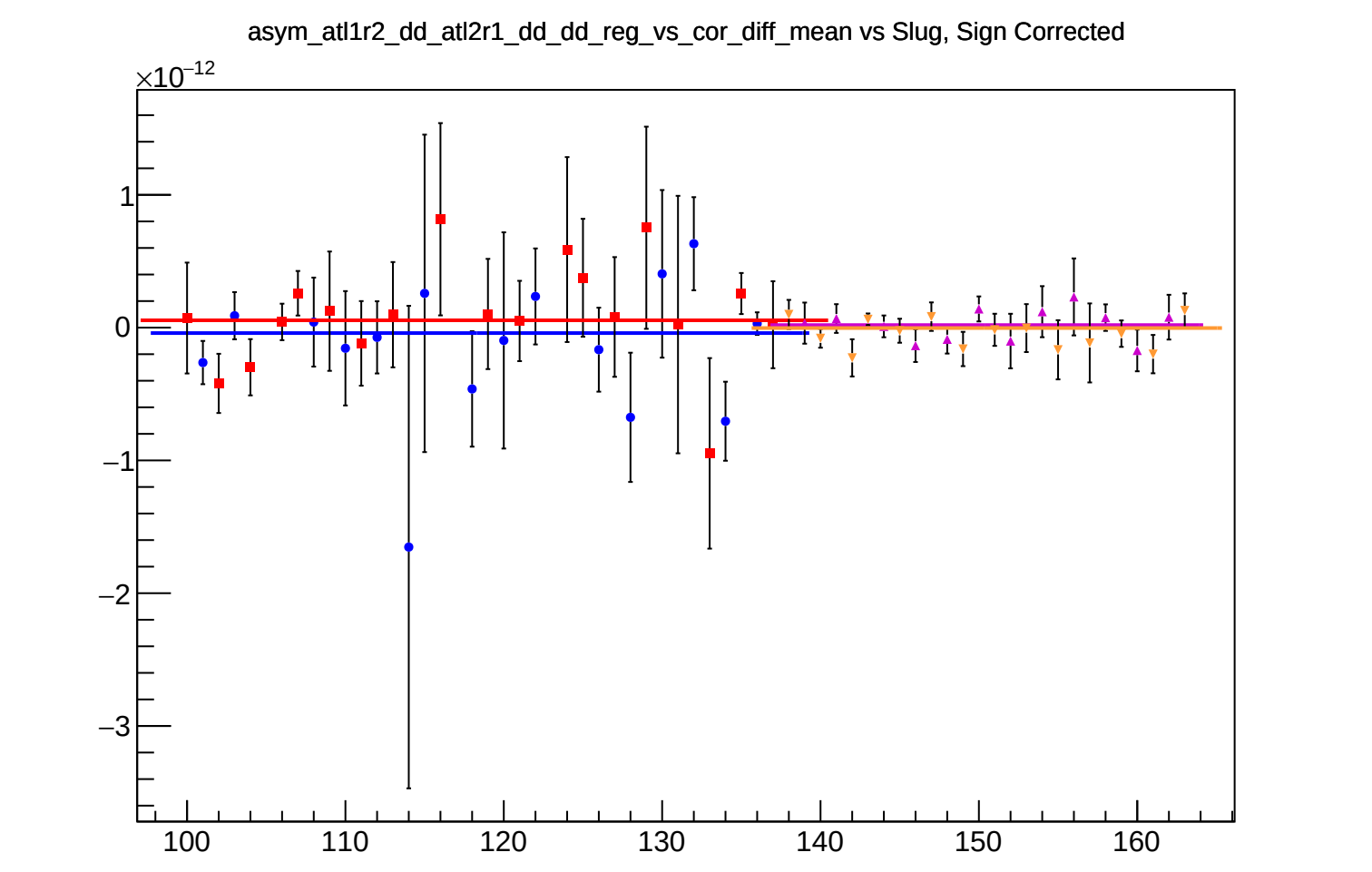
Left: 4051.114+/-0.632 χ^2/NDF: 1760162.9/25

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4022.514+/-0.690 χ^2/NDF:1017063.0/27

Out: 3717.331+/-0.629 χ^2/NDF:1859750.9/32

All: 3855.746+/-0.465 χ^2/NDF: 2983670.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/11

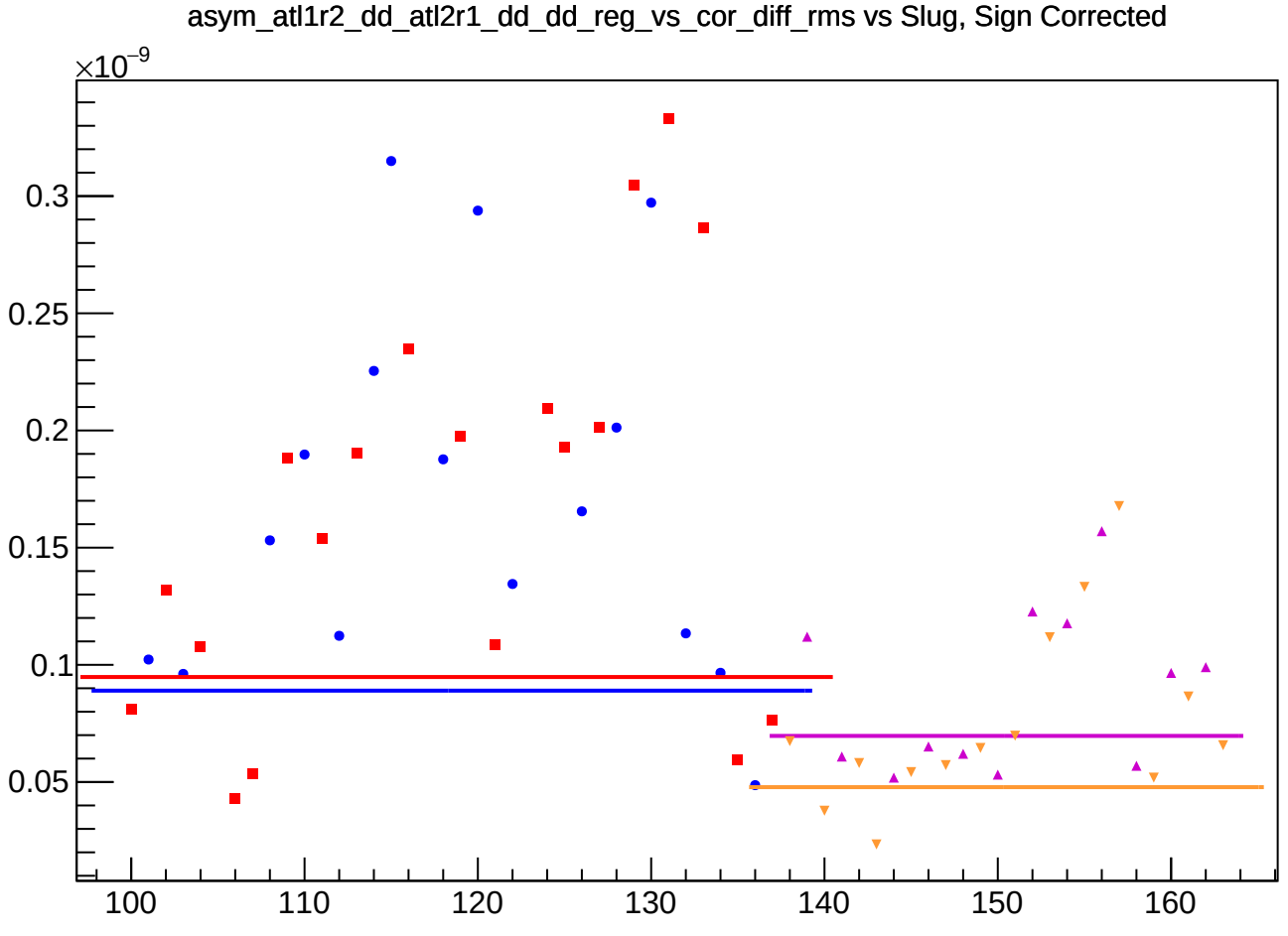
Left: 0.000+/-0.000 χ^2/NDF: 20.6/25

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.0/27

Out: 0.000+/-0.000 χ^2/NDF:29.4/32

All: 0.000+/-0.000 χ^2/NDF: 54.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1913939.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922975.4/11

Left: 0.000+/-0.000 χ^2/NDF: 3322891.5/25

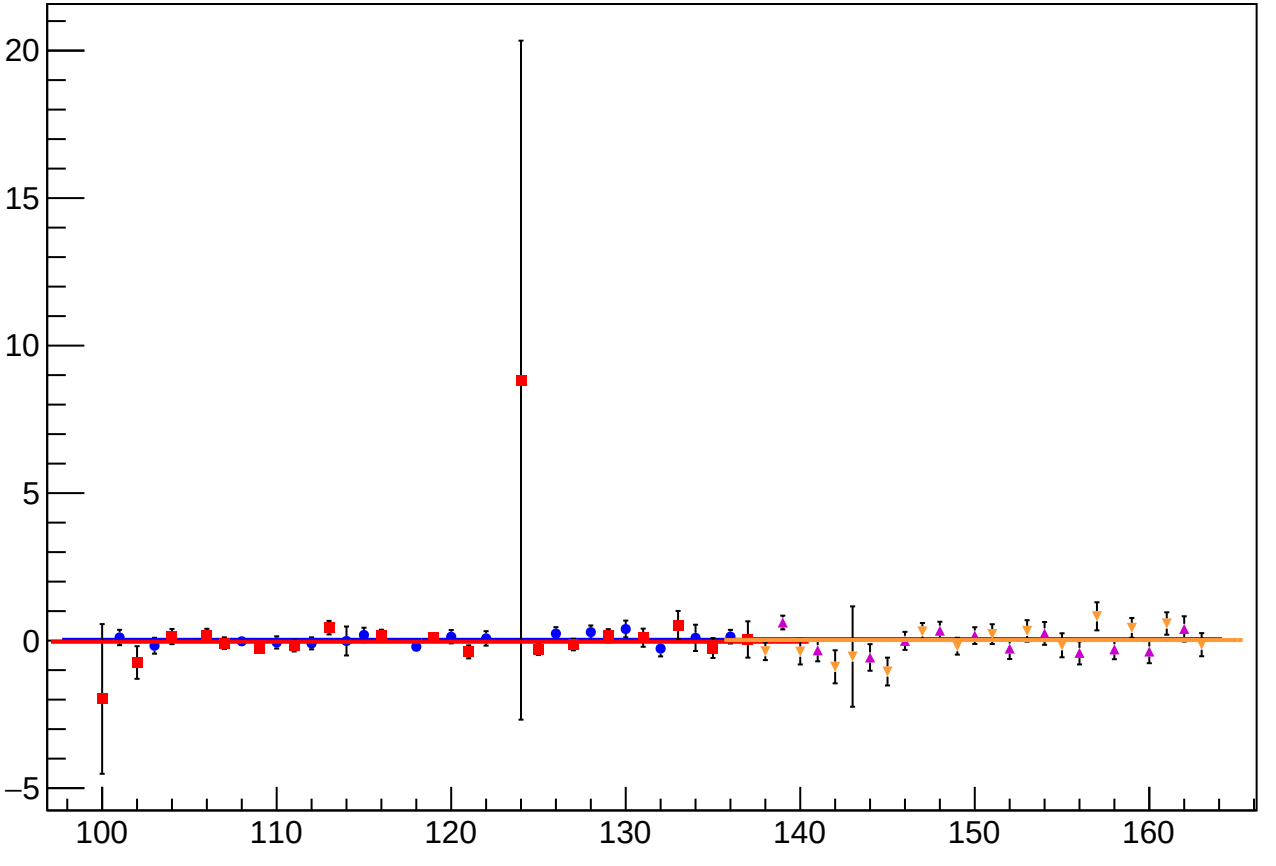
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2540264.1/27

Out: 0.000+/-0.000 χ^2/NDF:4573405.5/32

All: 0.000+/-0.000 χ^2/NDF: 7655894.5/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

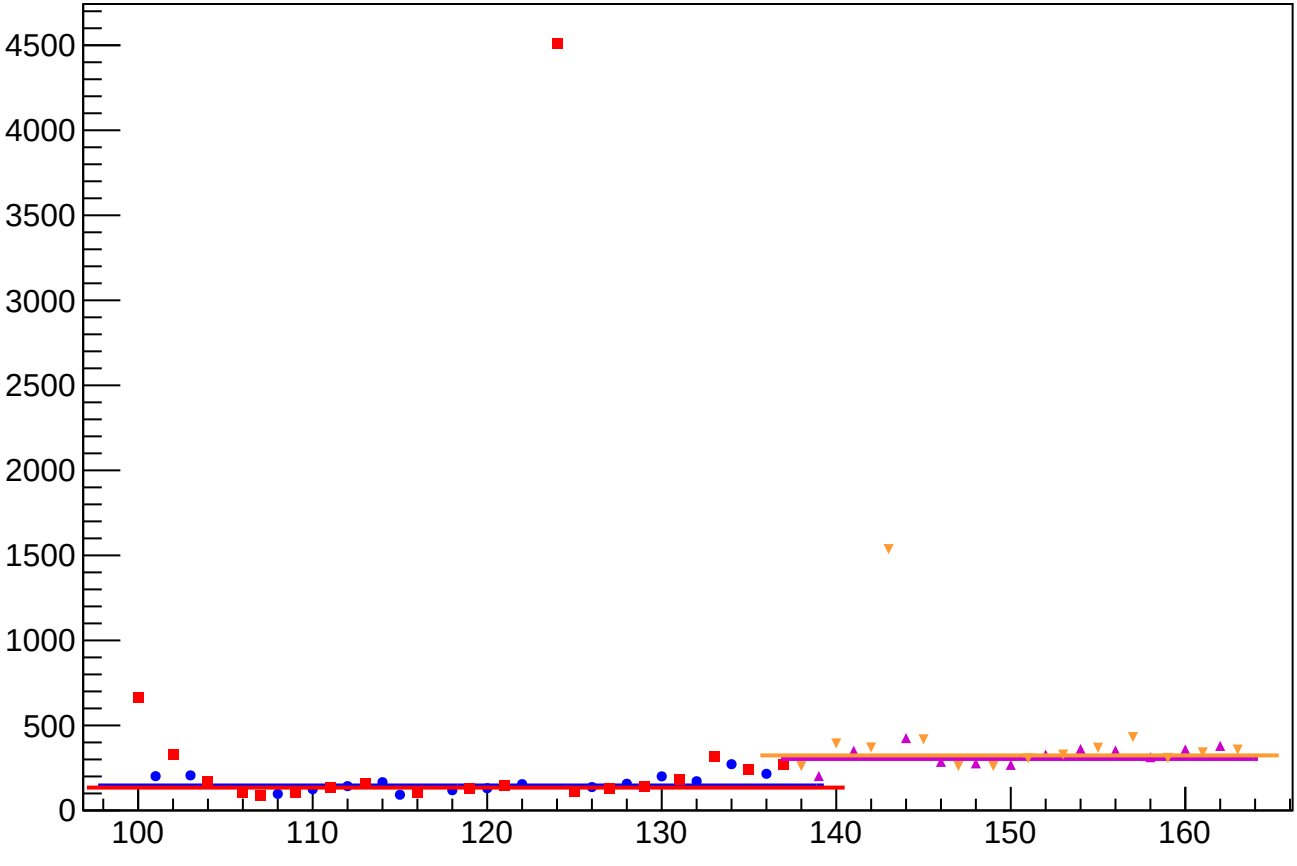
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

Left: 312.861+/-0.049 χ^2/NDF: 2440747.0/25

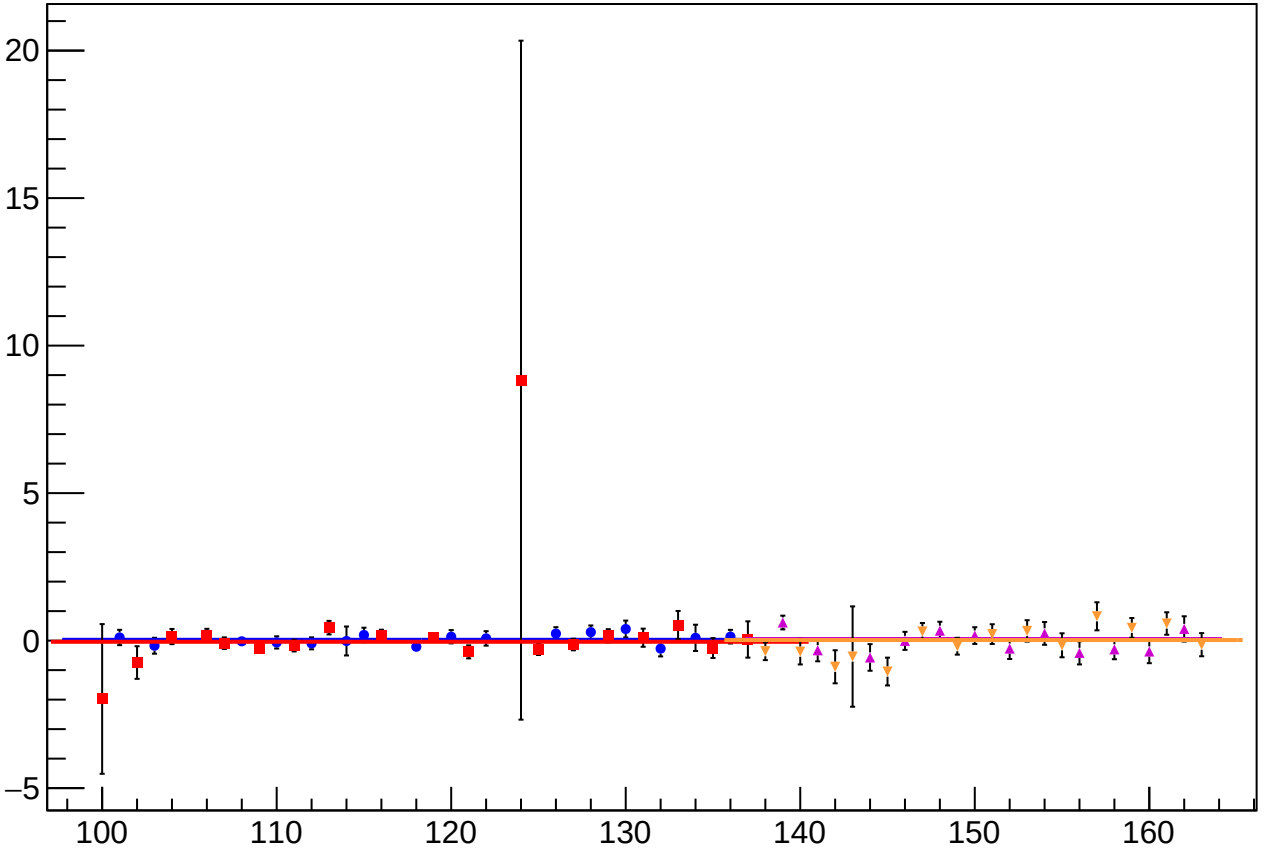
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 187.674+/-0.035 χ^2/NDF:5627986.3/27

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

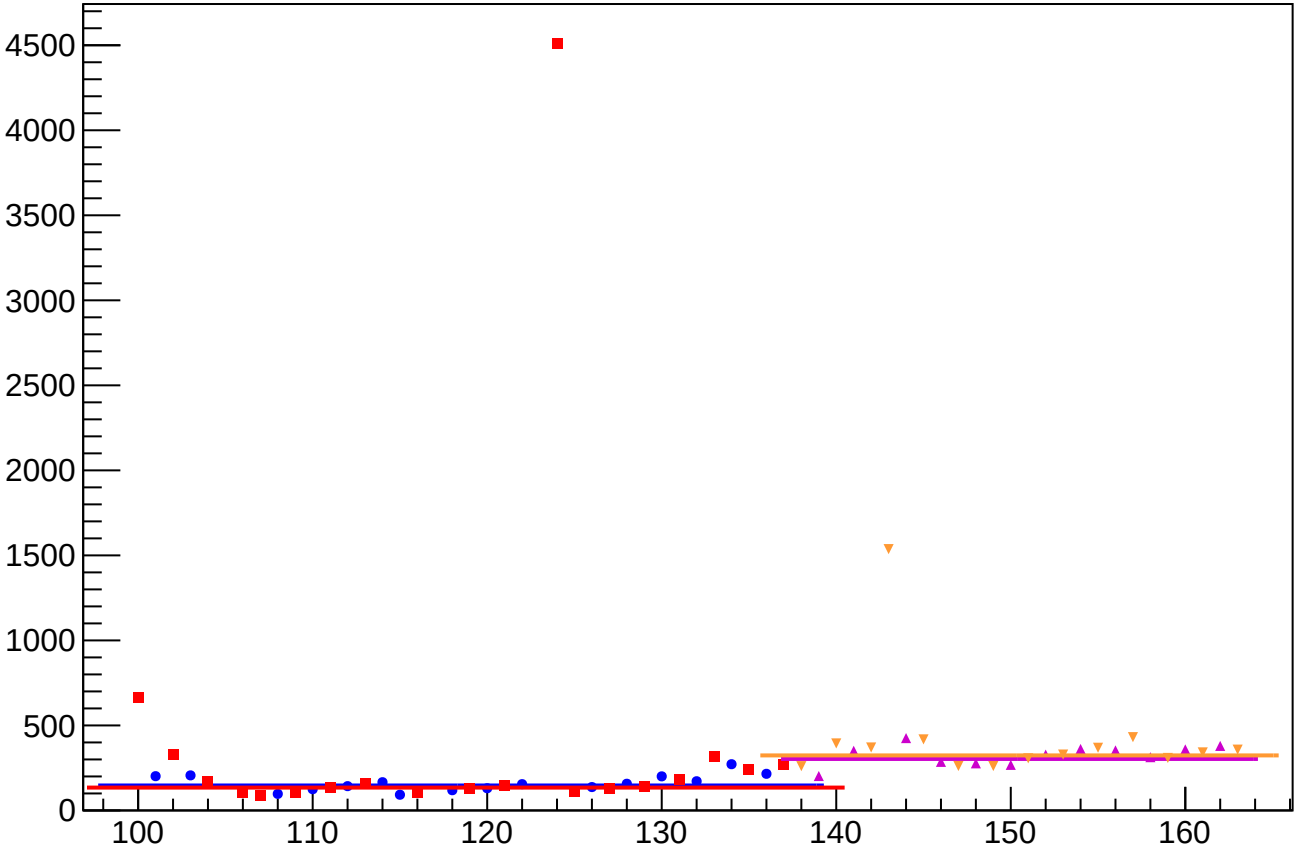
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.713+/-0.071 χ^2/NDF:1595989.7/13

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 302.884+/-0.069 χ^2/NDF:800506.4/11

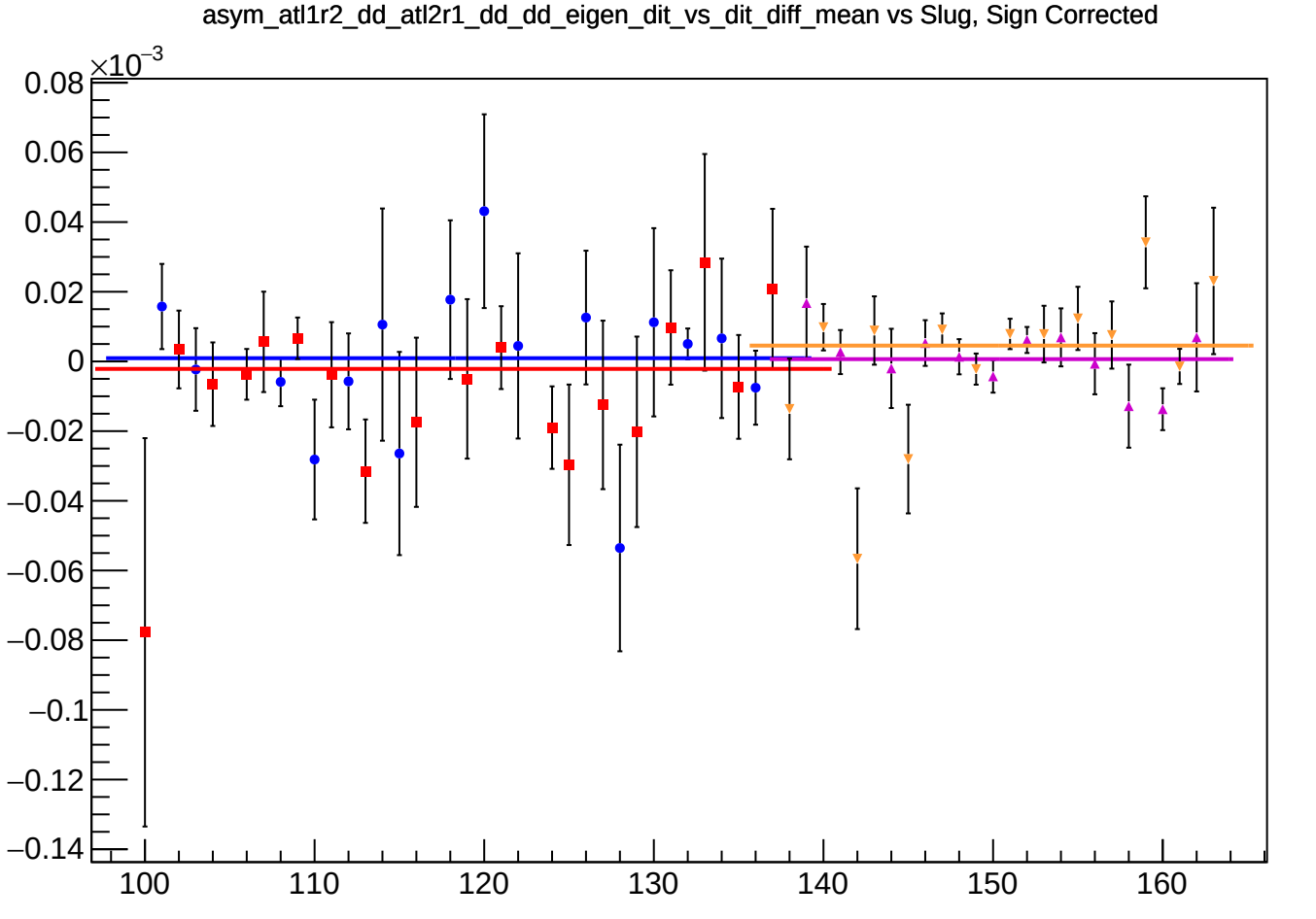
Left: 312.861+/-0.049 χ^2/NDF: 2440747.0/25

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

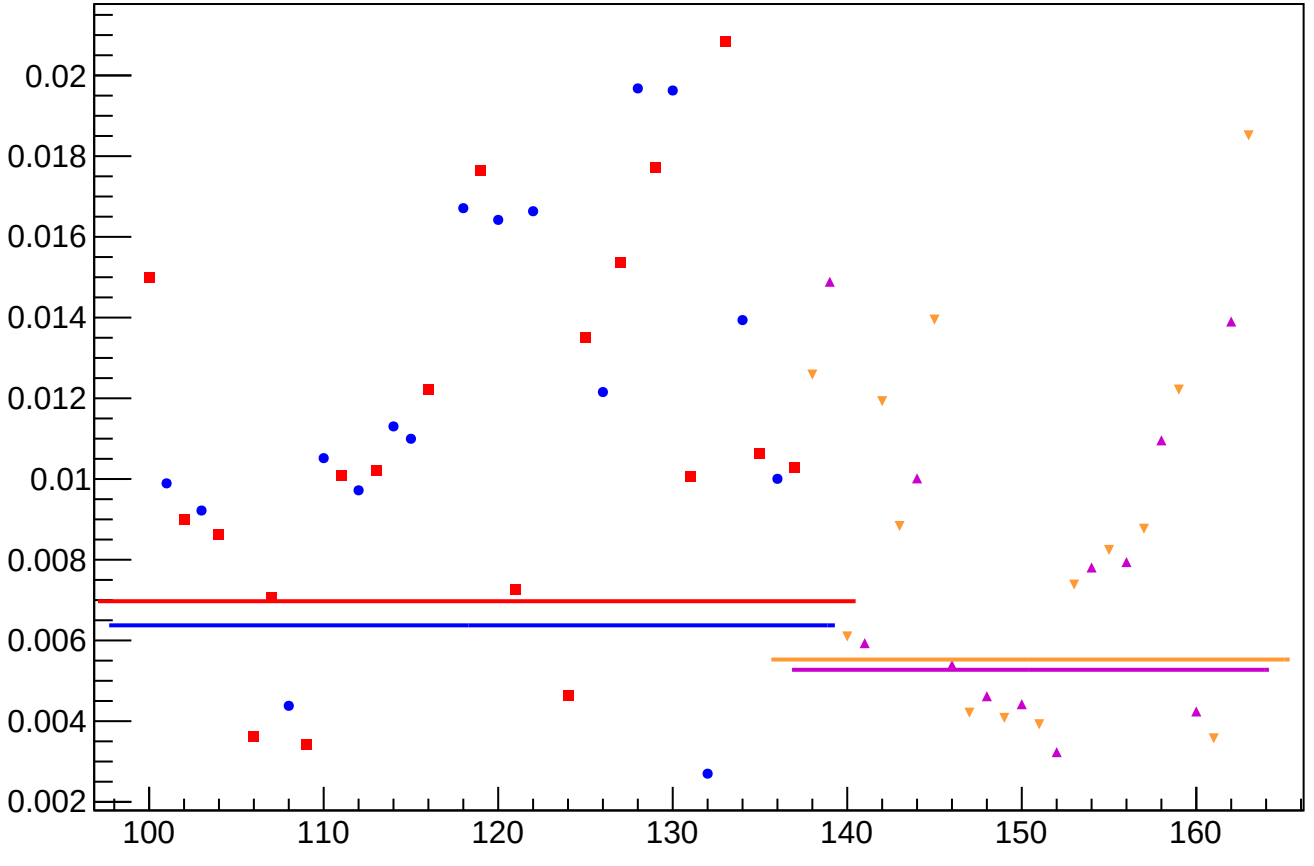
In: 187.674+/-0.035 χ^2/NDF:5627986.3/27

Out: 177.461+/-0.034 χ^2/NDF:8619520.0/32

All: 182.419+/-0.024 χ^2/NDF: 14291170.2/60


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:28.0/13
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:12.7/11
Left: 0.000+/-0.000 χ²/NDF: 42.8/25
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:27.6/27
Out: 0.000+/-0.000 χ²/NDF:47.6/32
All: 0.000+/-0.000 χ²/NDF: 75.9/60

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:4231862.3/13

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:3274540.6/11

Left: 0.005+/-0.000 χ^2/NDF: 7524564.5/25

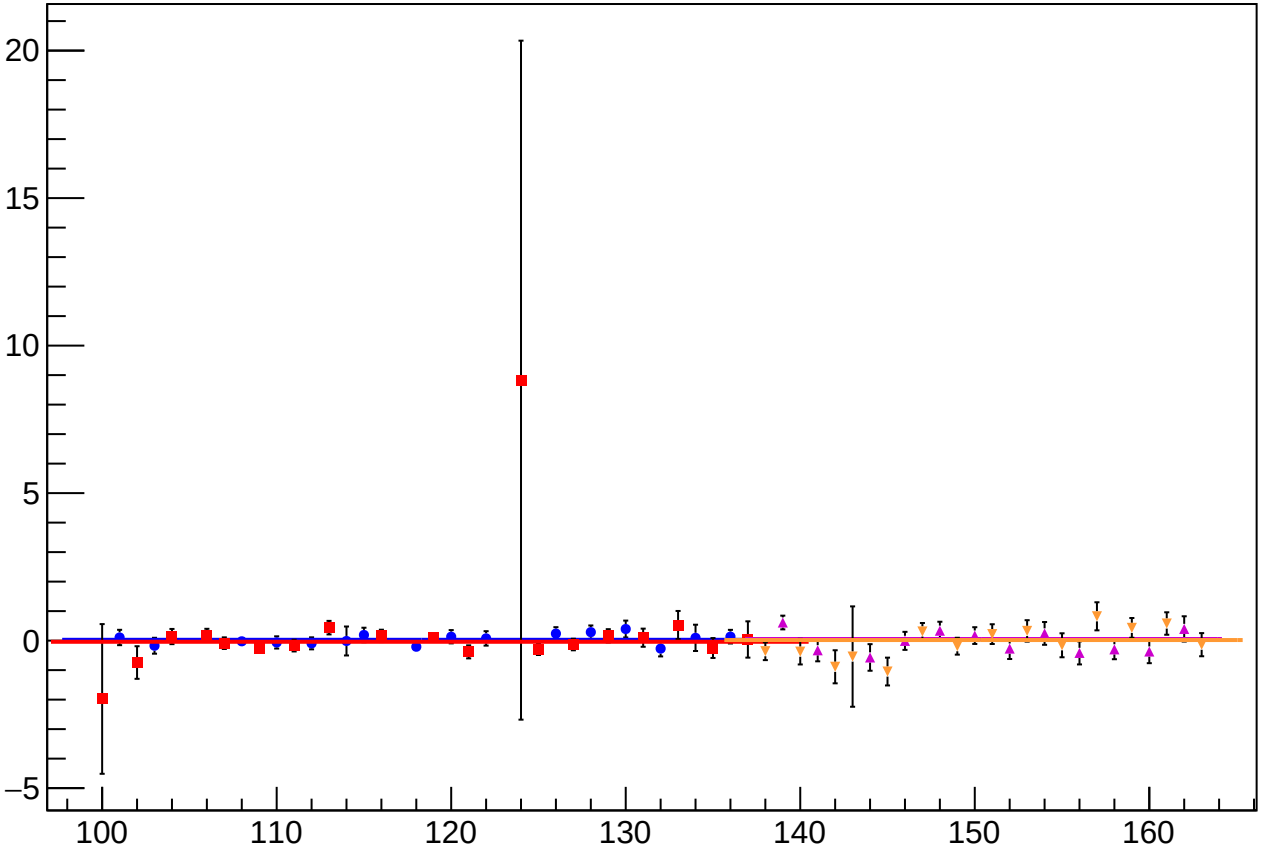
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:8114734.5/27

Out: 0.006+/-0.000 χ^2/NDF:7971164.2/32

All: 0.006+/-0.000 χ^2/NDF: 16131856.2/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

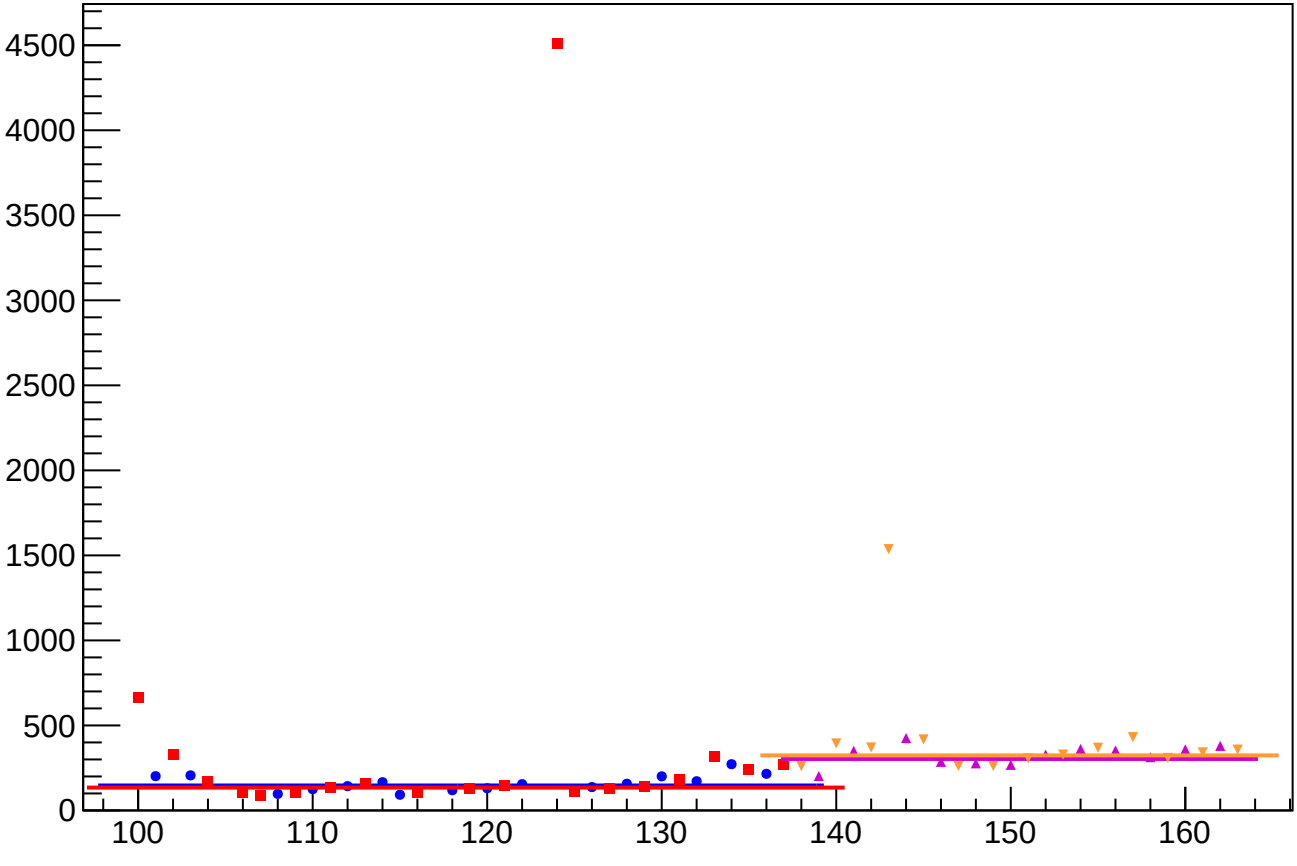
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

Left: 312.865+/-0.049 χ^2/NDF: 2440740.6/25

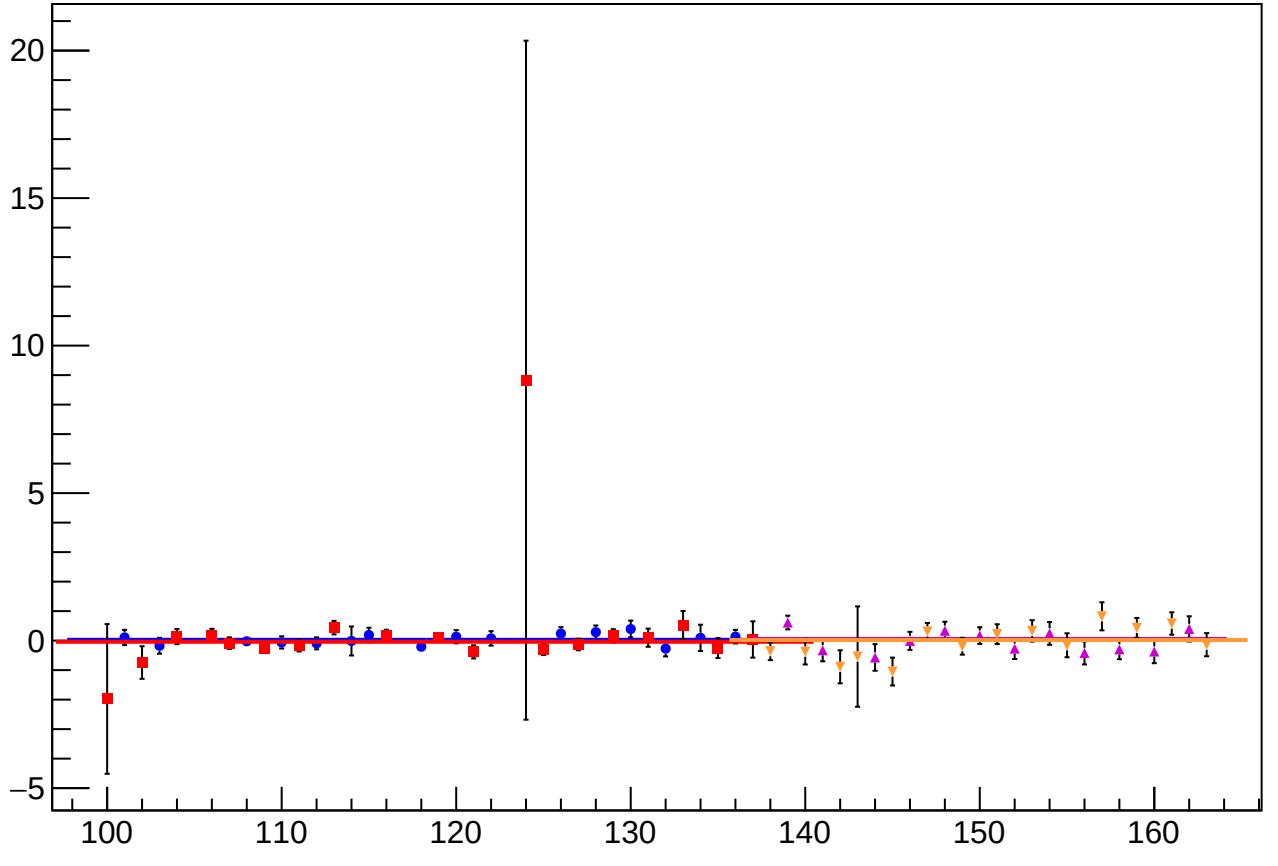
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 187.674+/-0.035 χ^2/NDF:5628053.4/27

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60

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: 0.020+/-0.101 χ^2/NDF:19.8/13

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.055+/-0.097 χ^2/NDF:15.2/11

Left: 0.038+/-0.070 χ^2/NDF: 35.1/25

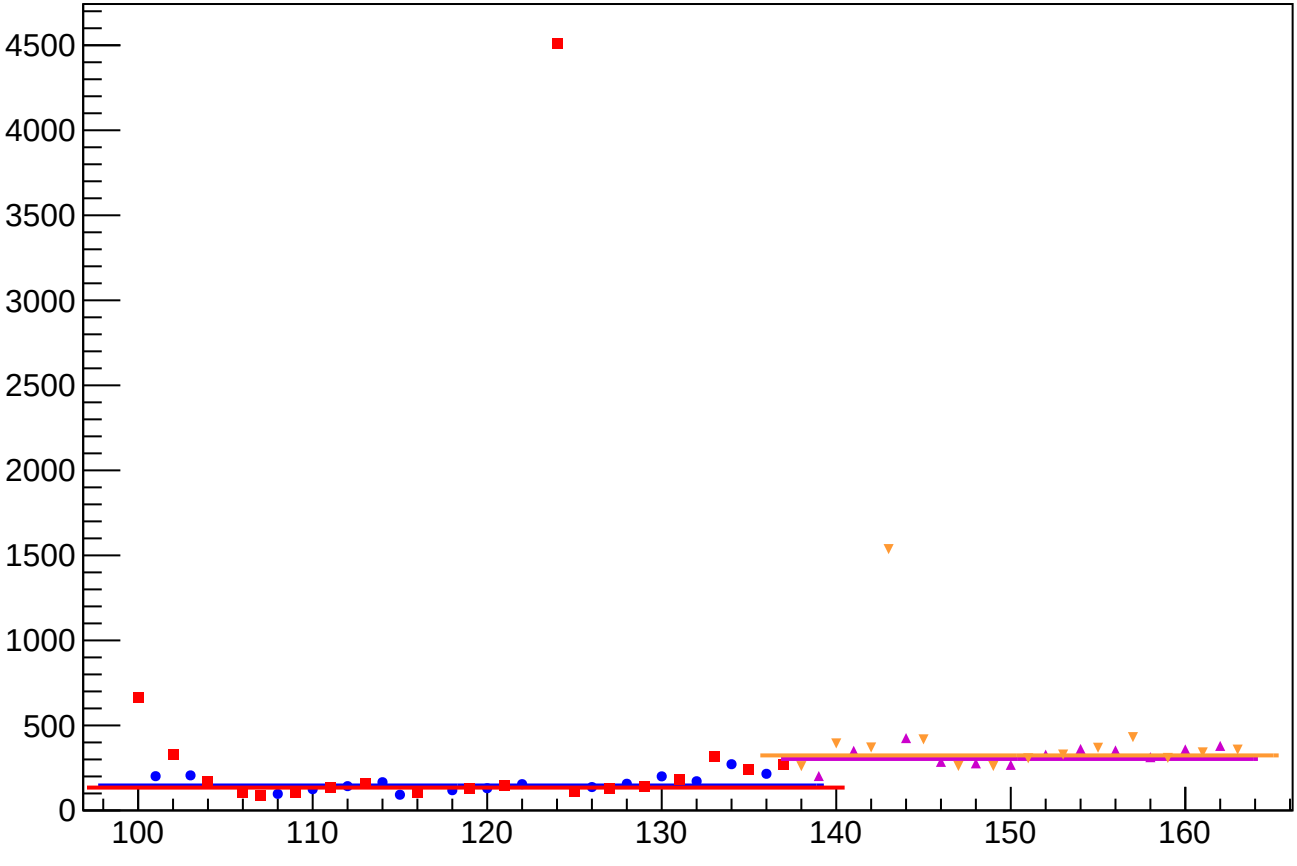
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.035+/-0.050 χ^2/NDF:24.7/27

Out: -0.026+/-0.048 χ^2/NDF:40.0/32

All: 0.004+/-0.035 χ^2/NDF: 65.5/60

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: 323.717+/-0.071 χ^2/NDF:1595999.4/13

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 302.889+/-0.069 χ^2/NDF:800491.6/11

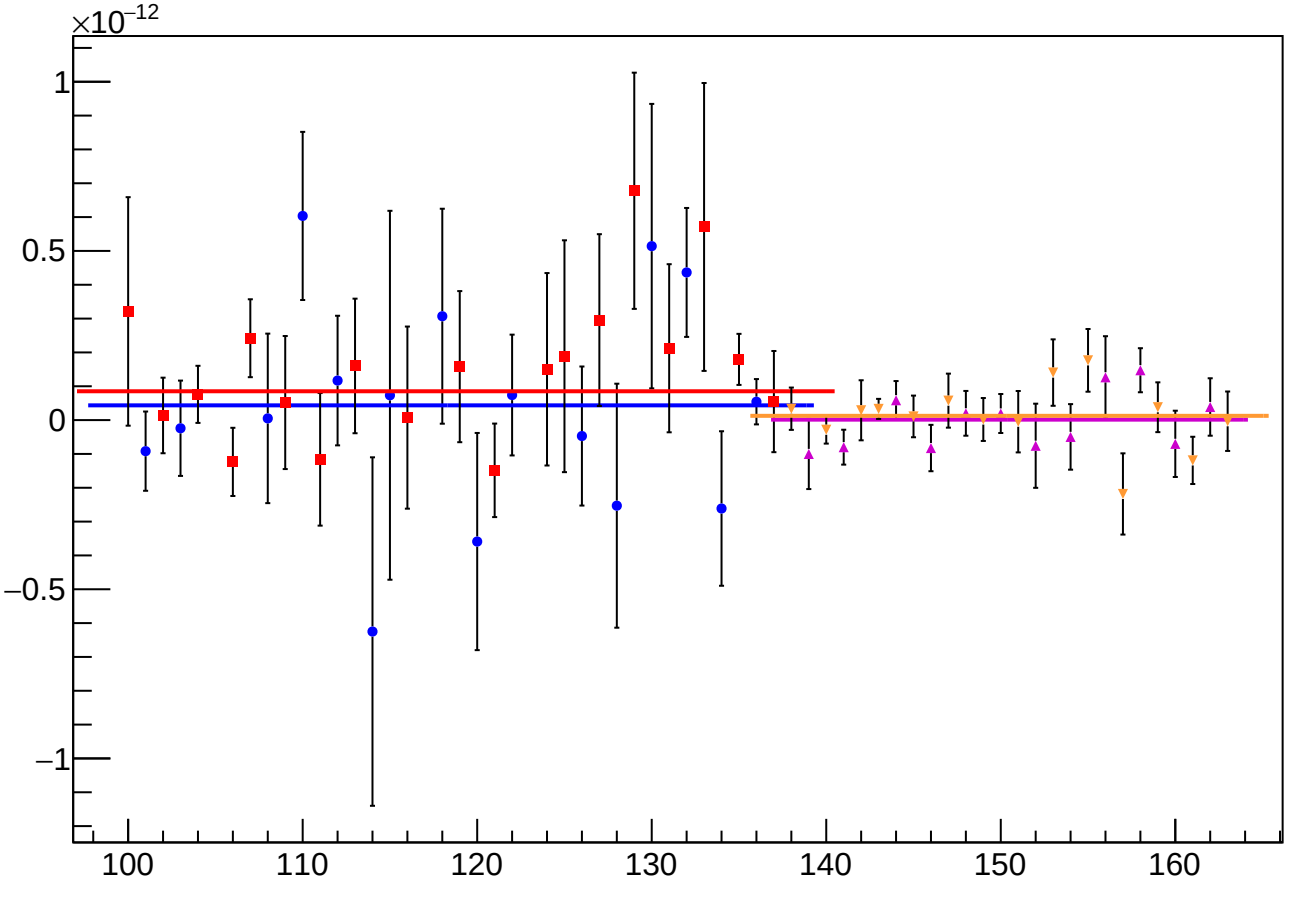
Left: 312.865+/-0.049 χ^2/NDF: 2440740.6/25

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 187.674+/-0.035 χ^2/NDF:5628053.4/27

Out: 177.463+/-0.034 χ^2/NDF:8619502.0/32

All: 182.420+/-0.024 χ^2/NDF: 14291207.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/11

Left: 0.000+/-0.000 χ^2/NDF: 28.1/25

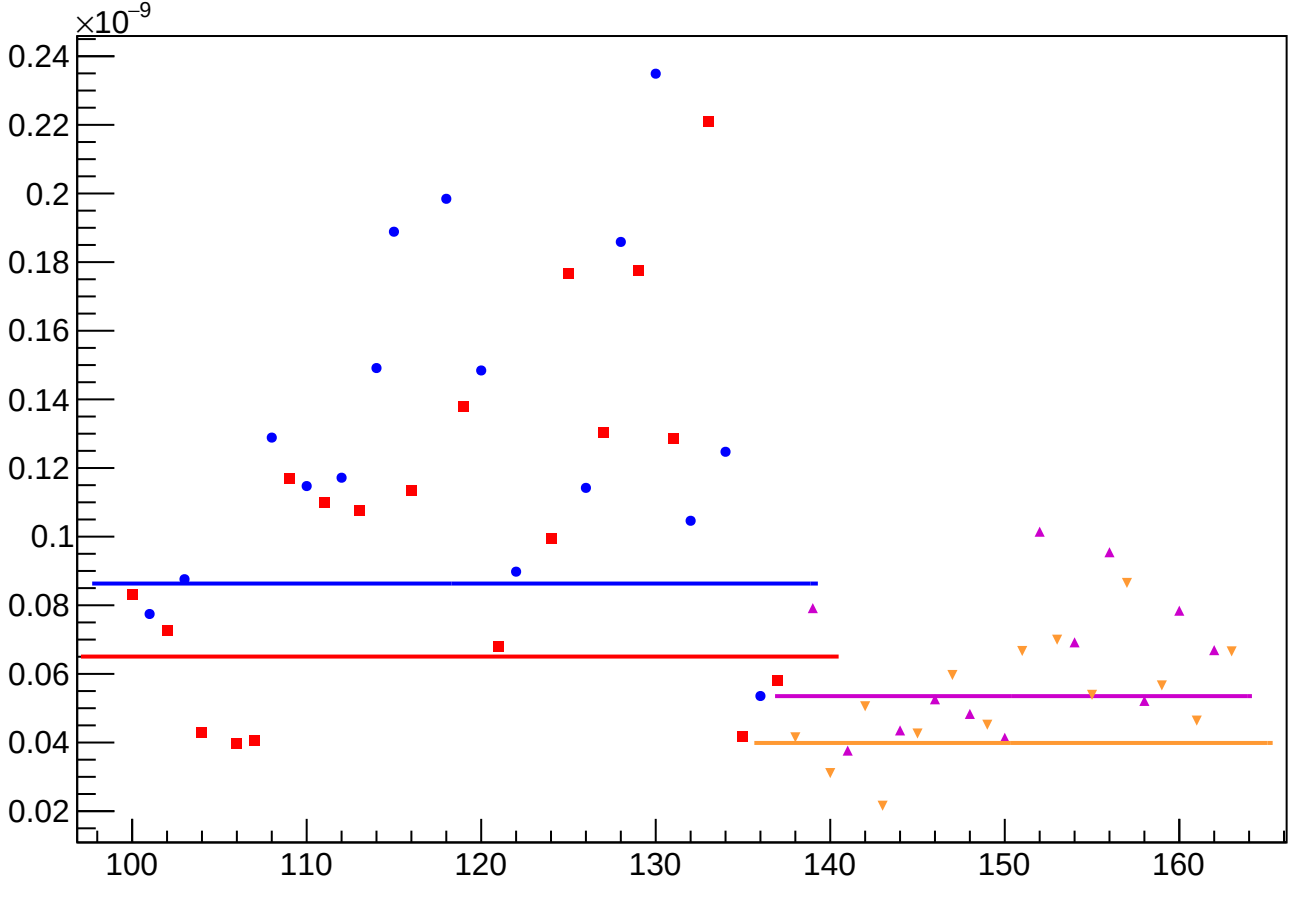
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:33.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 70.0/60

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:2040794.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1242925.8/11

Left: 0.000+/-0.000 χ^2/NDF: 3804457.2/25

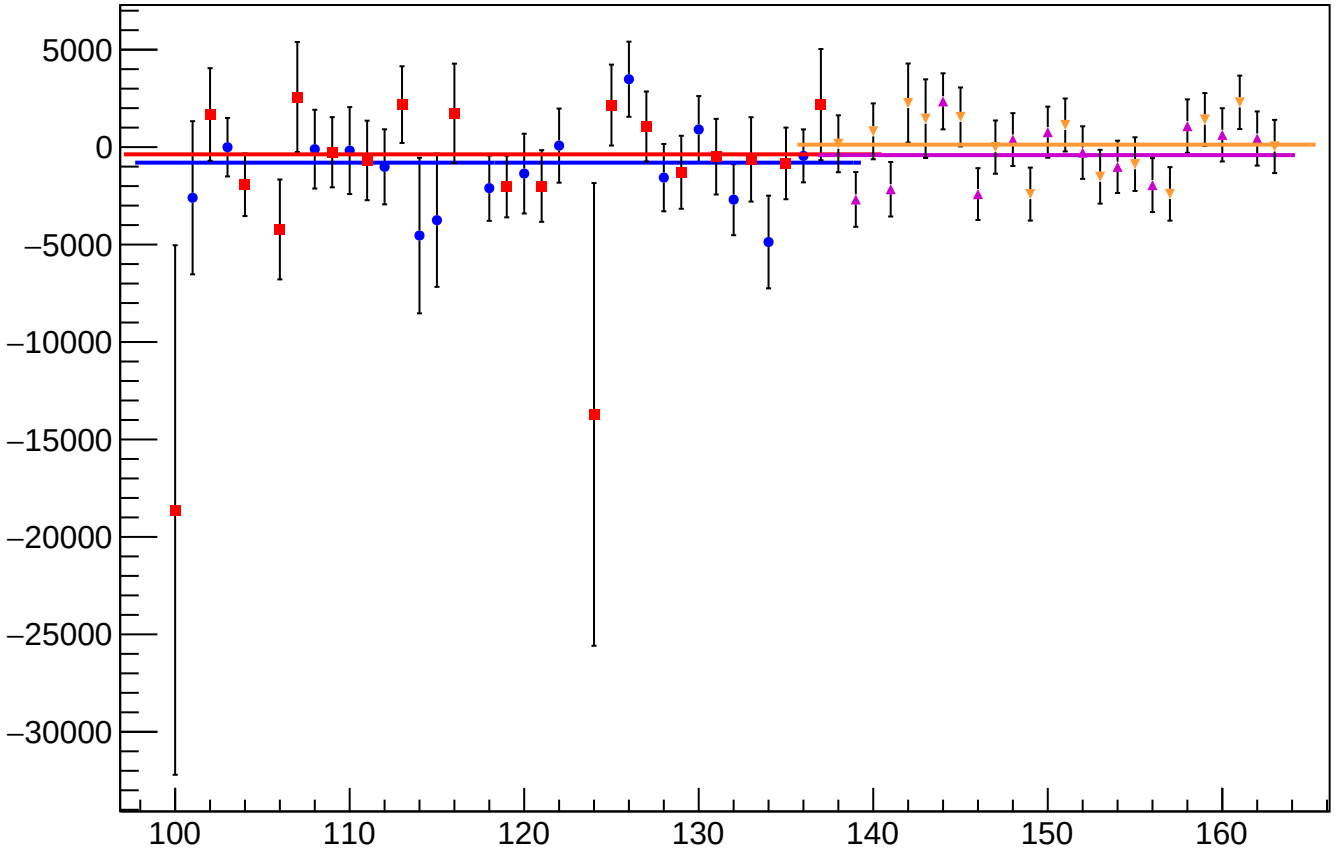
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3755725.2/27

Out: 0.000+/-0.000 χ^2/NDF:5079412.5/32

All: 0.000+/-0.000 χ^2/NDF: 9655104.2/60

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: 126.774+/-386.589 χ^2/NDF:15.4/13

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -409.673+/-395.121 χ^2/NDF:14.9/11

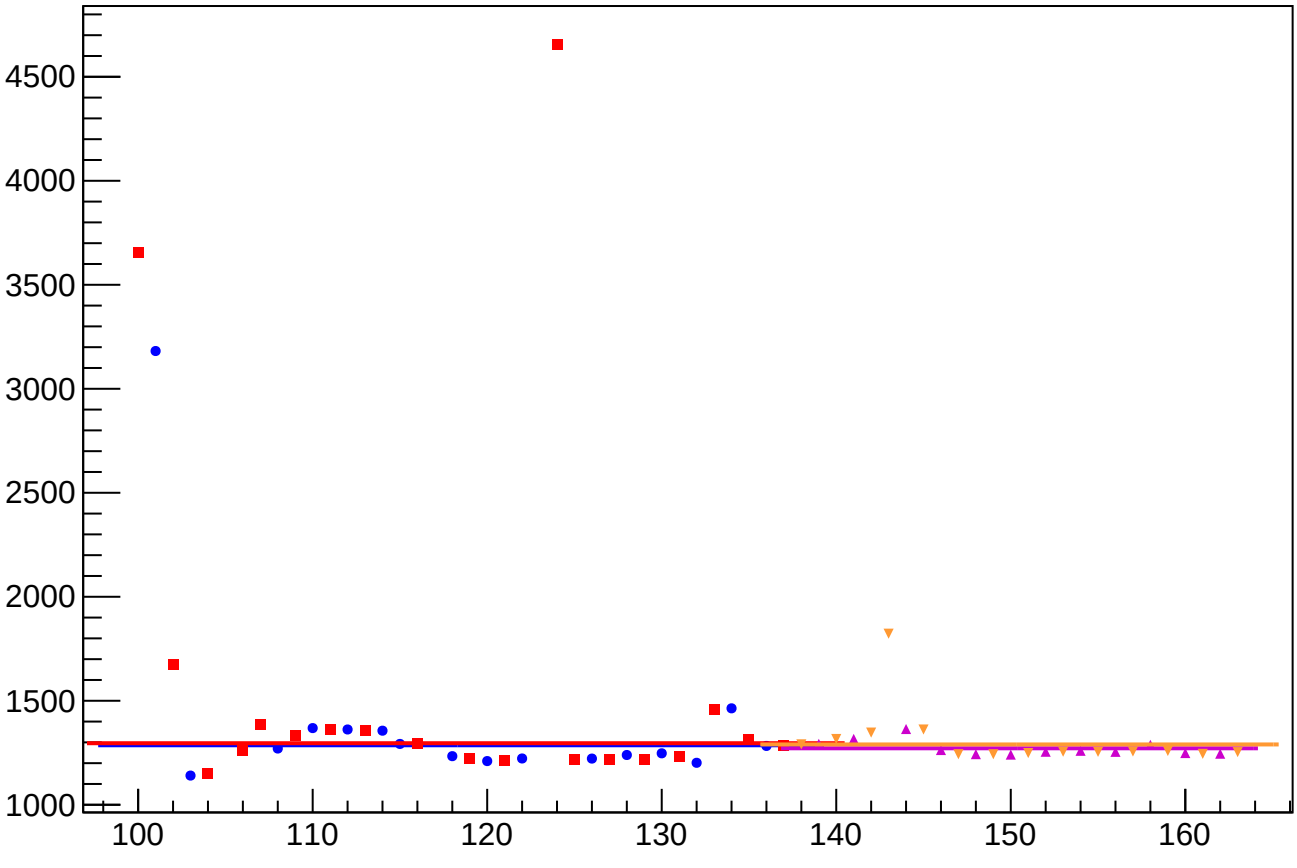
Left: -135.595+/-276.327 χ^2/NDF: 31.2/25

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -563.367+/-306.947 χ^2/NDF:28.7/27

Out: -65.831+/-302.503 χ^2/NDF:31.7/32

All: -310.972+/-215.456 χ^2/NDF: 61.7/60



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

Left: 1280.964+/-0.195 χ^2/NDF: 178716.1/25

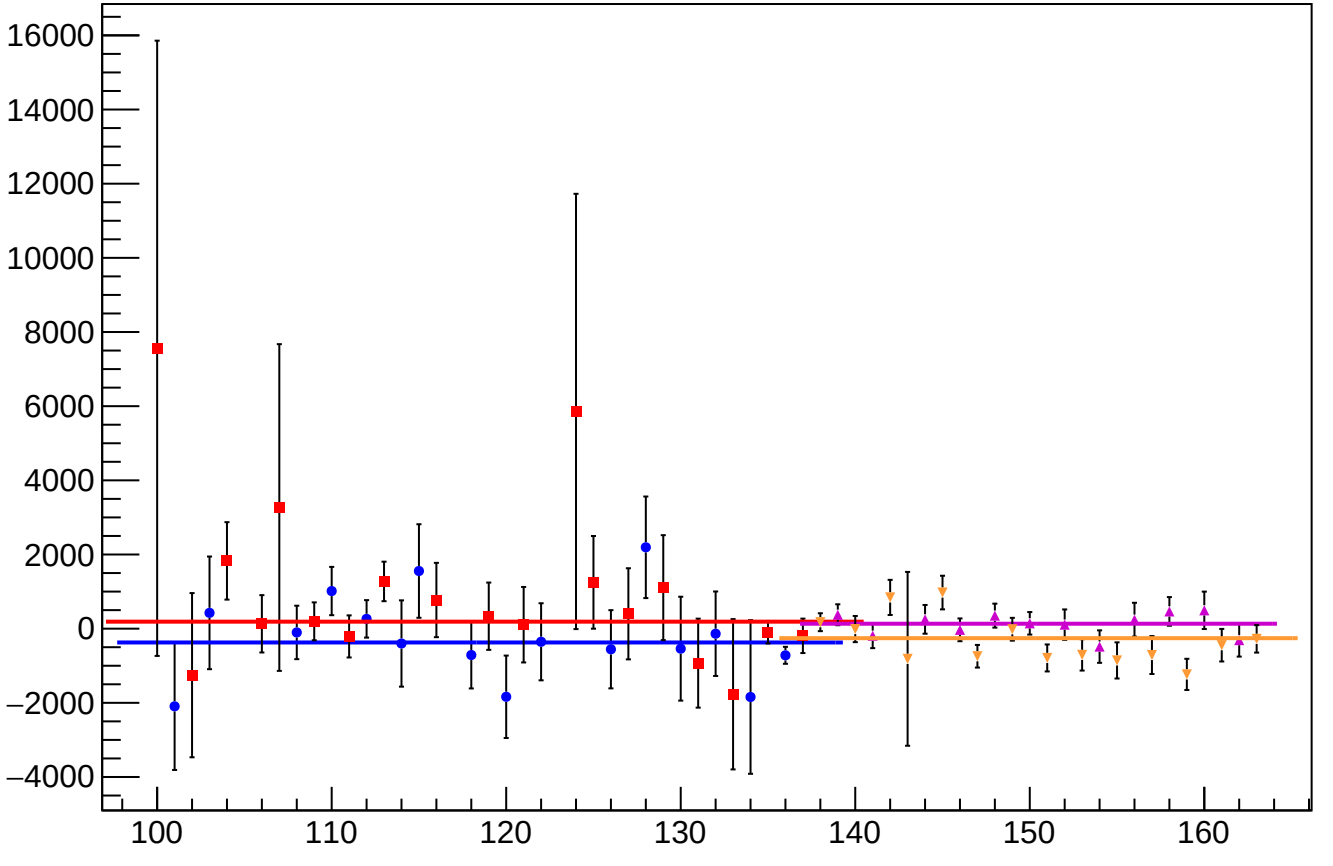
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1277.294+/-0.217 χ^2/NDF:534403.1/27

Out: 1292.313+/-0.214 χ^2/NDF:489531.6/32

All: 1284.913+/-0.152 χ^2/NDF: 1026364.0/60

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: -256.427+/-102.449 χ^2/NDF:30.8/13

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 133.107+/-104.958 χ^2/NDF:6.8/11

Left: -66.372+/-73.313 χ^2/NDF: 44.6/25

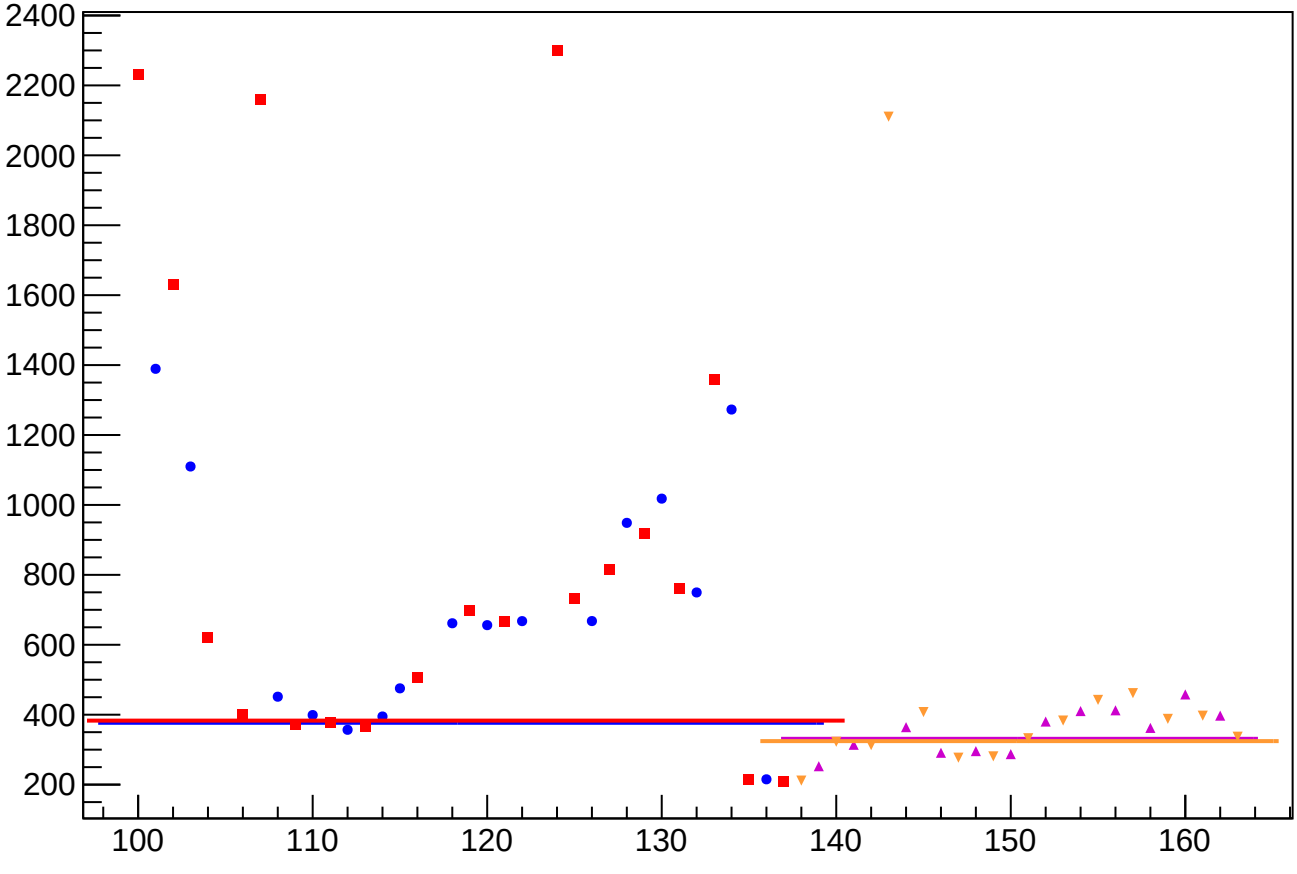
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -8.539+/-89.044 χ^2/NDF:31.4/27

Out: -137.336+/-87.688 χ^2/NDF:50.5/32

All: -73.926+/-62.479 χ^2/NDF: 83.0/60

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: 324.425+/-0.072 χ^2/NDF:2158928.8/13

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 331.002+/-0.074 χ^2/NDF:615995.3/11

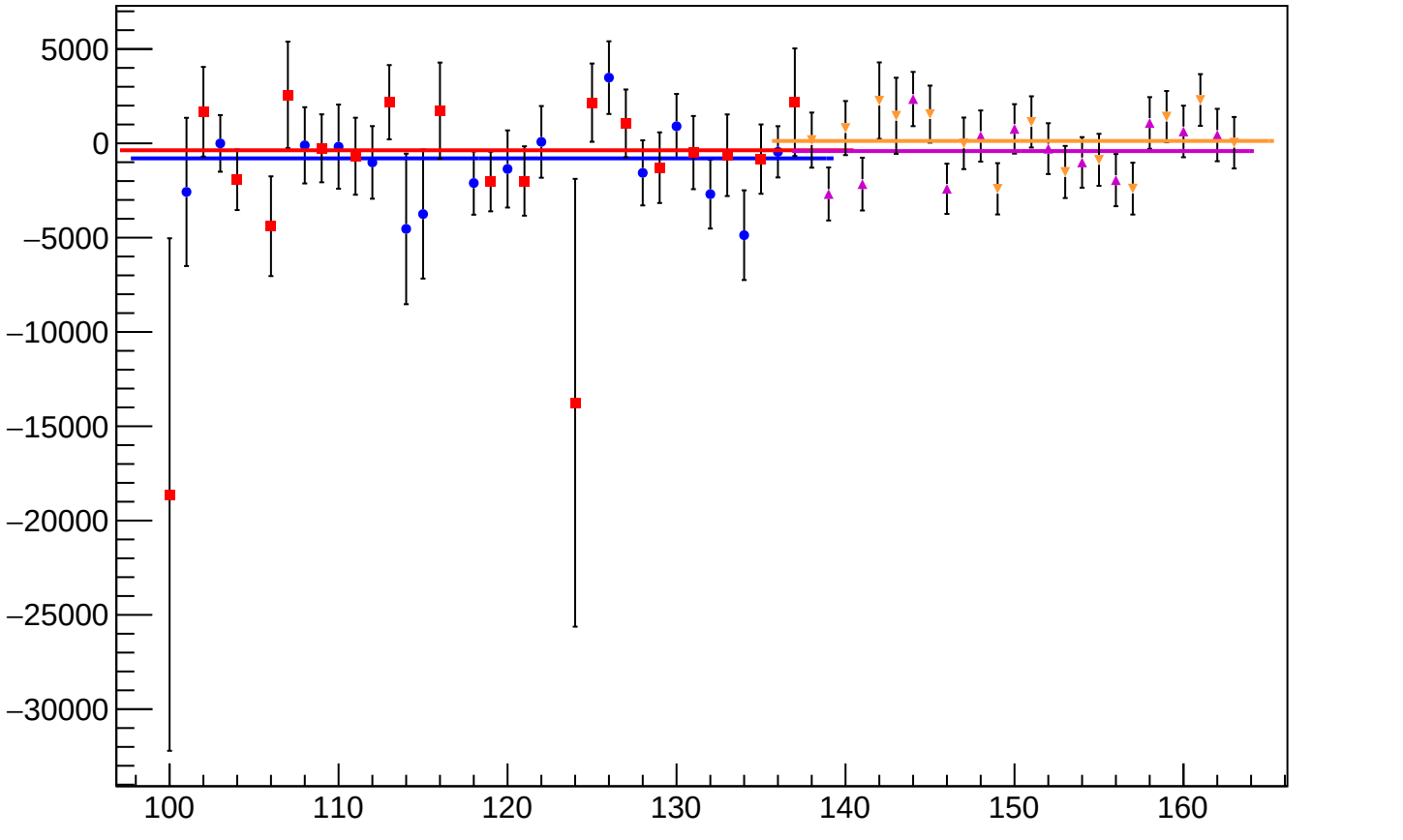
Left: 327.634+/-0.052 χ^2/NDF: 2778944.9/25

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 343.862+/-0.063 χ^2/NDF:4913340.9/27

Out: 340.108+/-0.062 χ^2/NDF:6388312.0/32

All: 341.956+/-0.044 χ^2/NDF: 11303458.3/60



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -409.657+/-395.121 χ^2/NDF:14.9/11

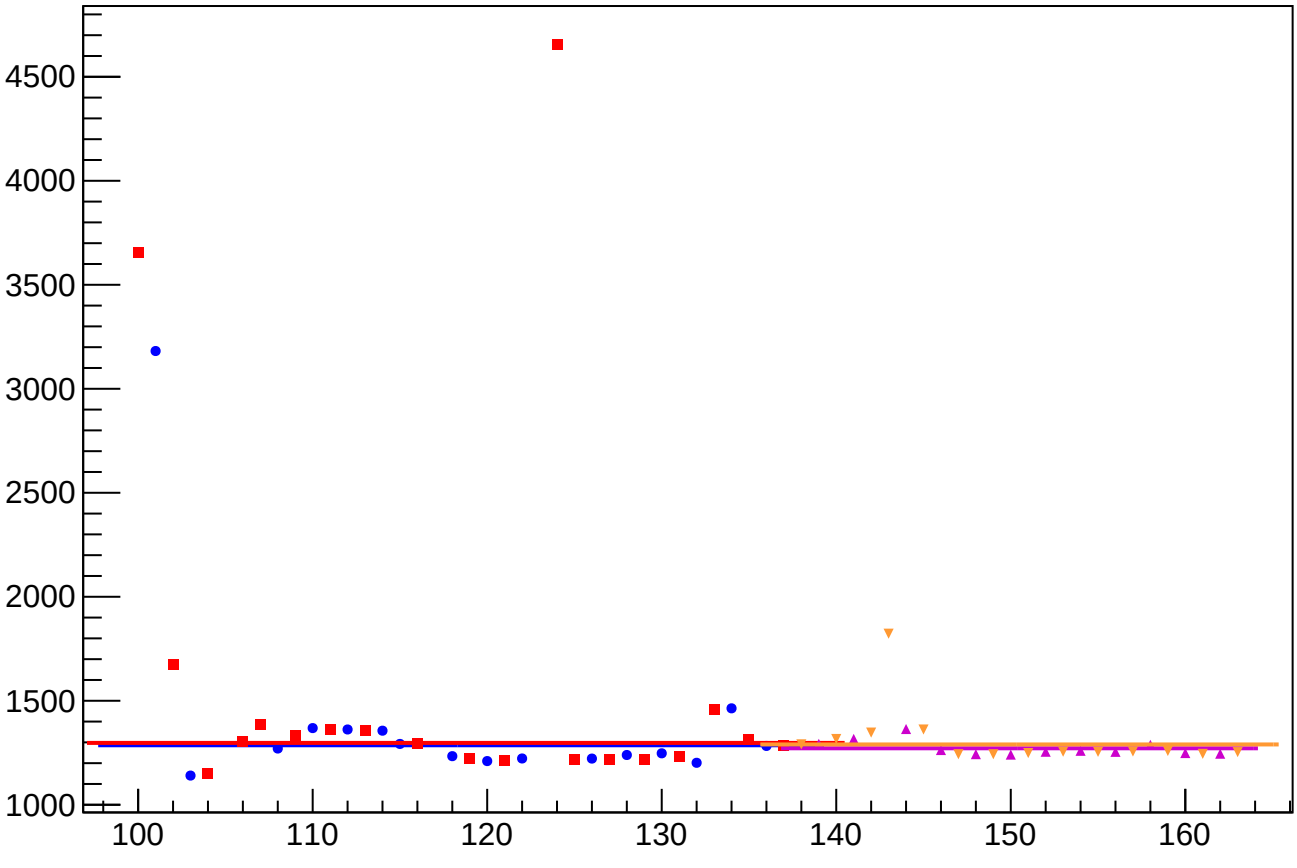
Left: -135.554+/-276.327 χ^2/NDF: 31.2/25

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -563.198+/-306.947 χ^2/NDF:28.6/27

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -310.345+/-215.502 χ^2/NDF: 61.7/60



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

Left: 1280.964+/-0.195 χ^2/NDF: 178716.1/25

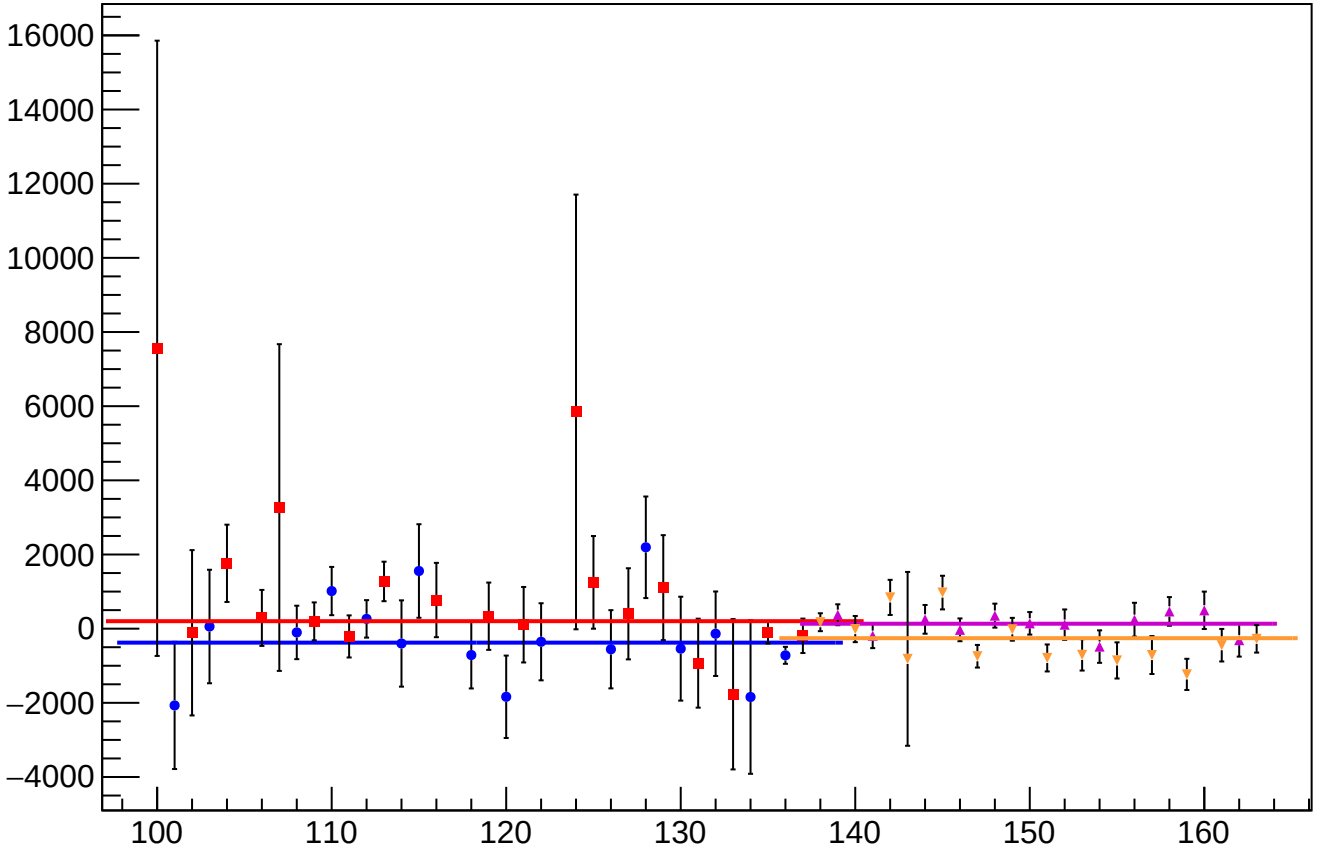
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1277.294+/-0.217 χ^2/NDF:534404.5/27

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

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: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 133.126+/-104.958 χ^2/NDF:6.8/11

Left: -66.357+/-73.314 χ^2/NDF: 44.6/25

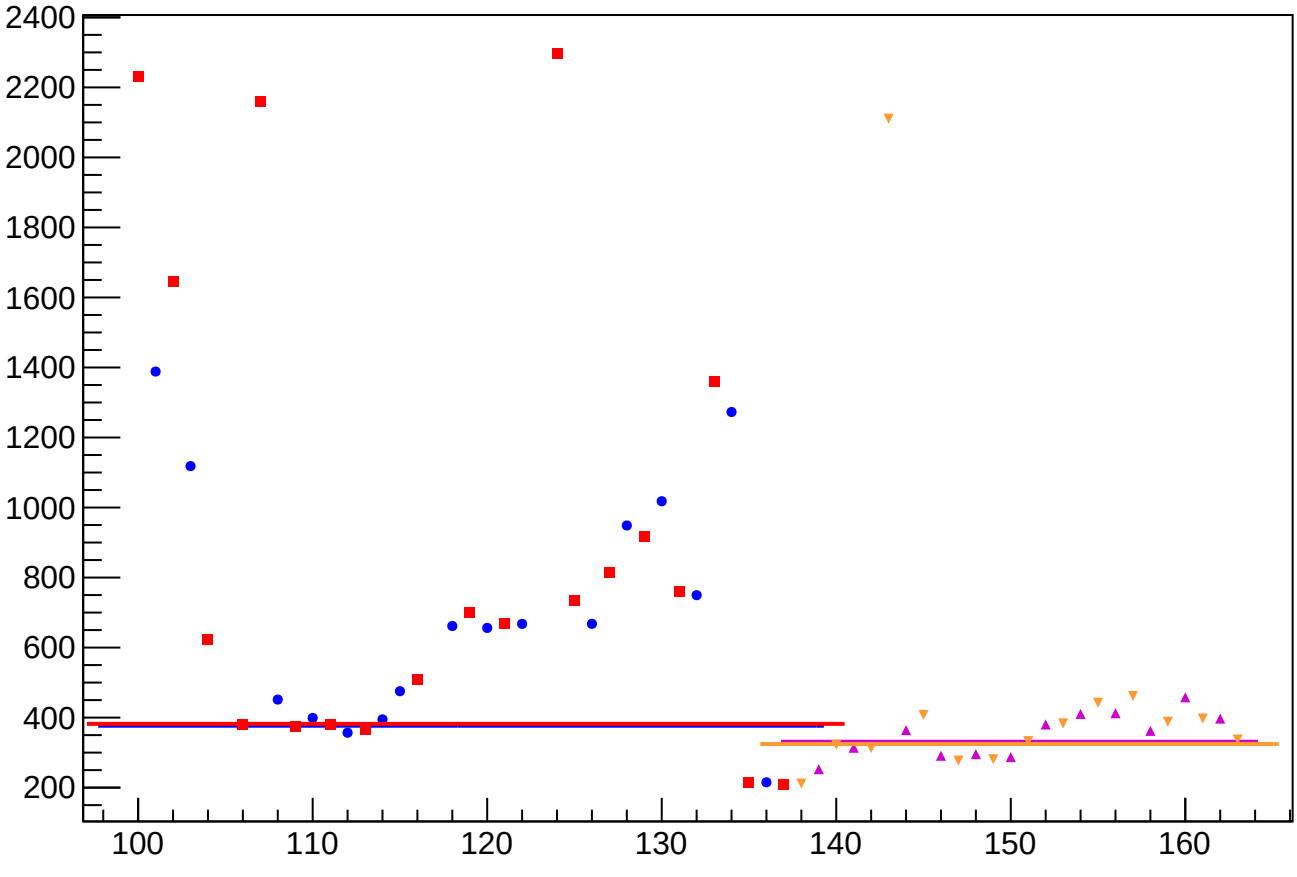
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -9.747+/-89.047 χ^2/NDF:31.3/27

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -72.640+/-62.470 χ^2/NDF: 82.5/60

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

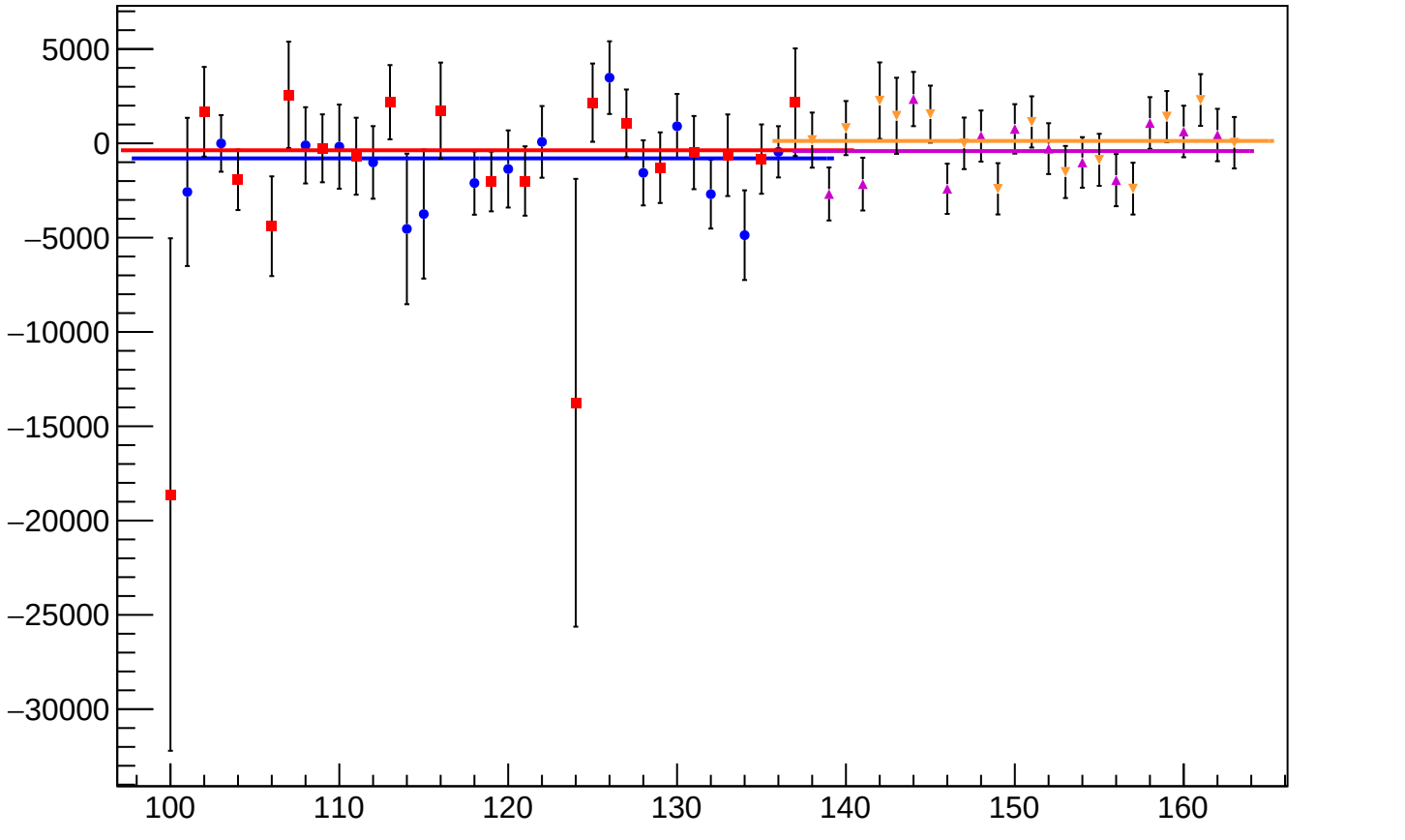
Left: 327.638+/-0.052 χ^2/NDF: 2778922.9/25

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 343.857+/-0.063 χ^2/NDF:4916520.3/27

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 126.840+/-386.589 χ^2/NDF:15.4/13

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -409.657+/-395.121 χ^2/NDF:14.9/11

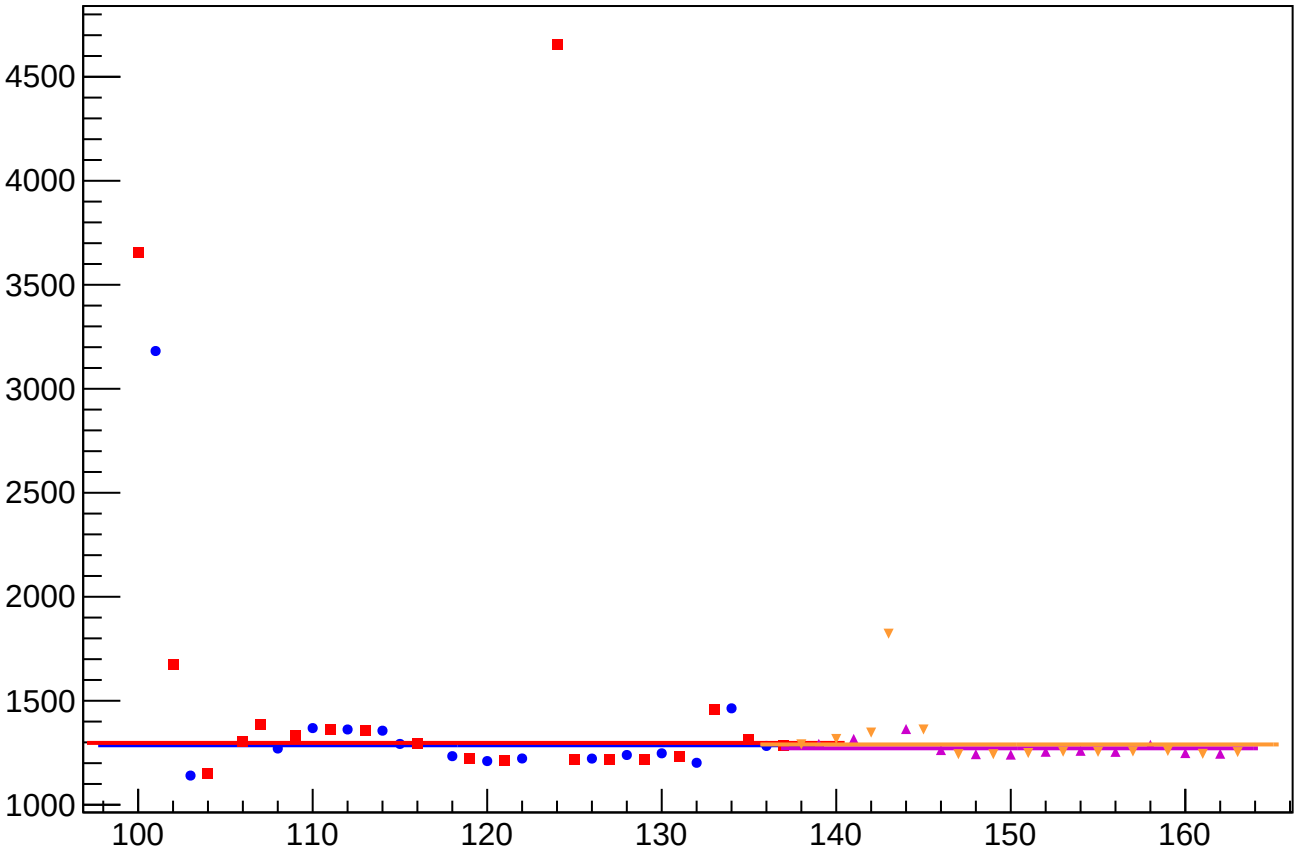
Left: -135.554+/-276.327 χ^2/NDF: 31.2/25

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -563.198+/-306.947 χ^2/NDF:28.6/27

Out: -64.556+/-302.630 χ^2/NDF:31.7/32

All: -310.345+/-215.502 χ^2/NDF: 61.7/60



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1290.015+/-0.273 χ^2/NDF:161279.4/13

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1271.510+/-0.279 χ^2/NDF:15195.3/11

Left: 1280.964+/-0.195 χ^2/NDF: 178716.1/25

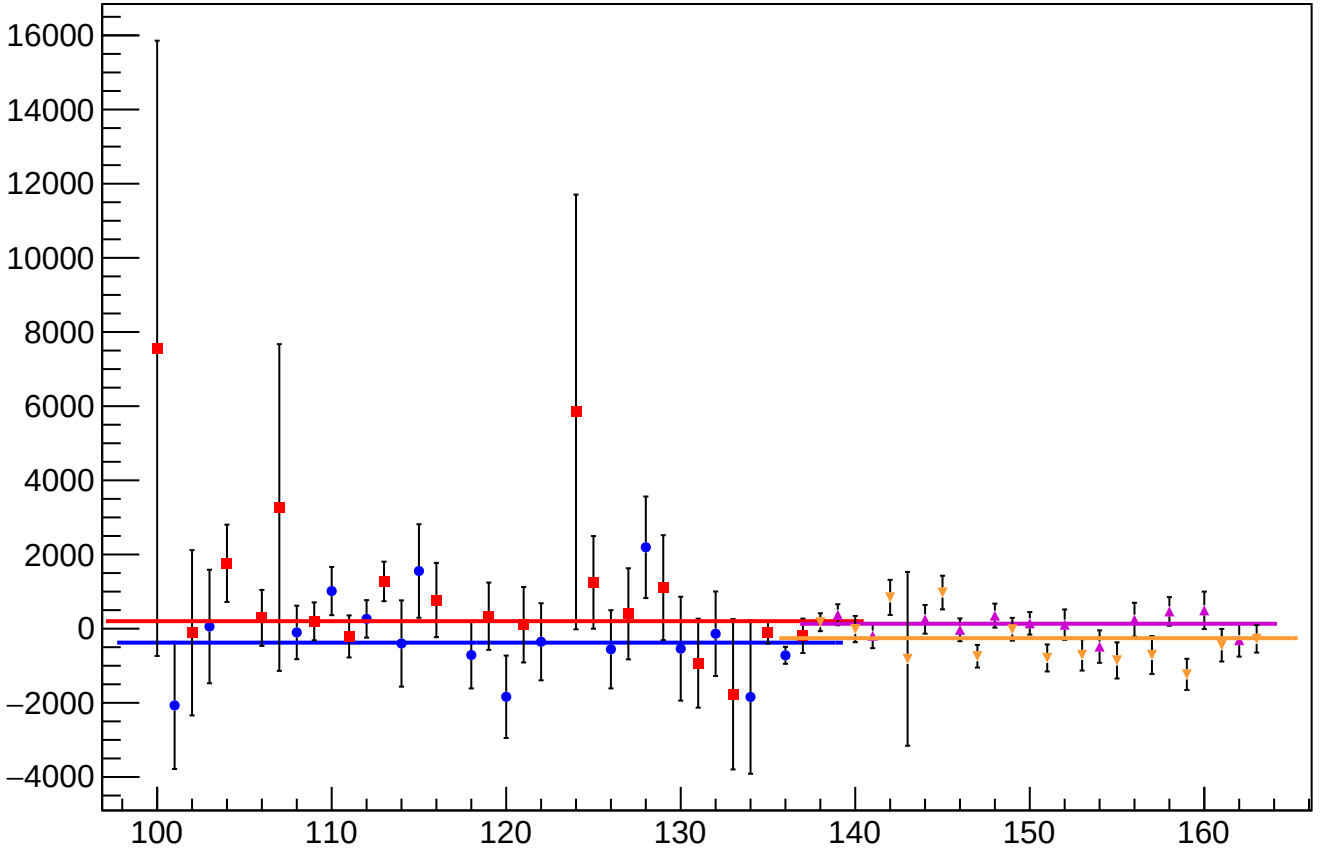
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1277.294+/-0.217 χ^2/NDF:534404.5/27

Out: 1292.872+/-0.214 χ^2/NDF:489303.2/32

All: 1285.193+/-0.152 χ^2/NDF: 1026320.1/60

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: -256.426+/-102.451 χ^2/NDF:30.8/13

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 133.126+/-104.958 χ^2/NDF:6.8/11

Left: -66.357+/-73.314 χ^2/NDF: 44.6/25

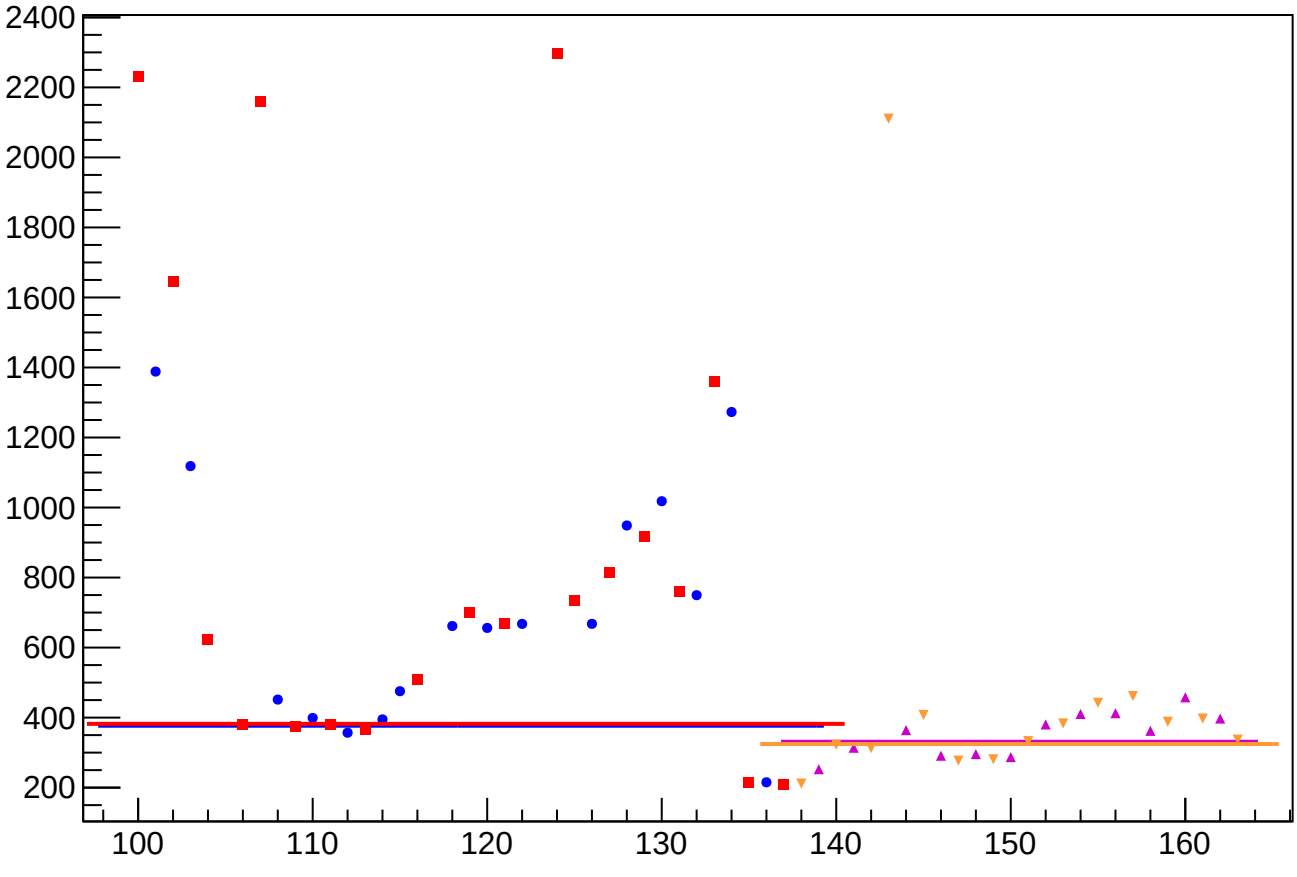
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -9.747+/-89.047 χ^2/NDF:31.3/27

Out: -133.592+/-87.662 χ^2/NDF:50.2/32

All: -72.640+/-62.470 χ^2/NDF: 82.5/60

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: 324.434+/-0.072 χ^2/NDF:2158816.7/13

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 331.001+/-0.074 χ^2/NDF:616096.5/11

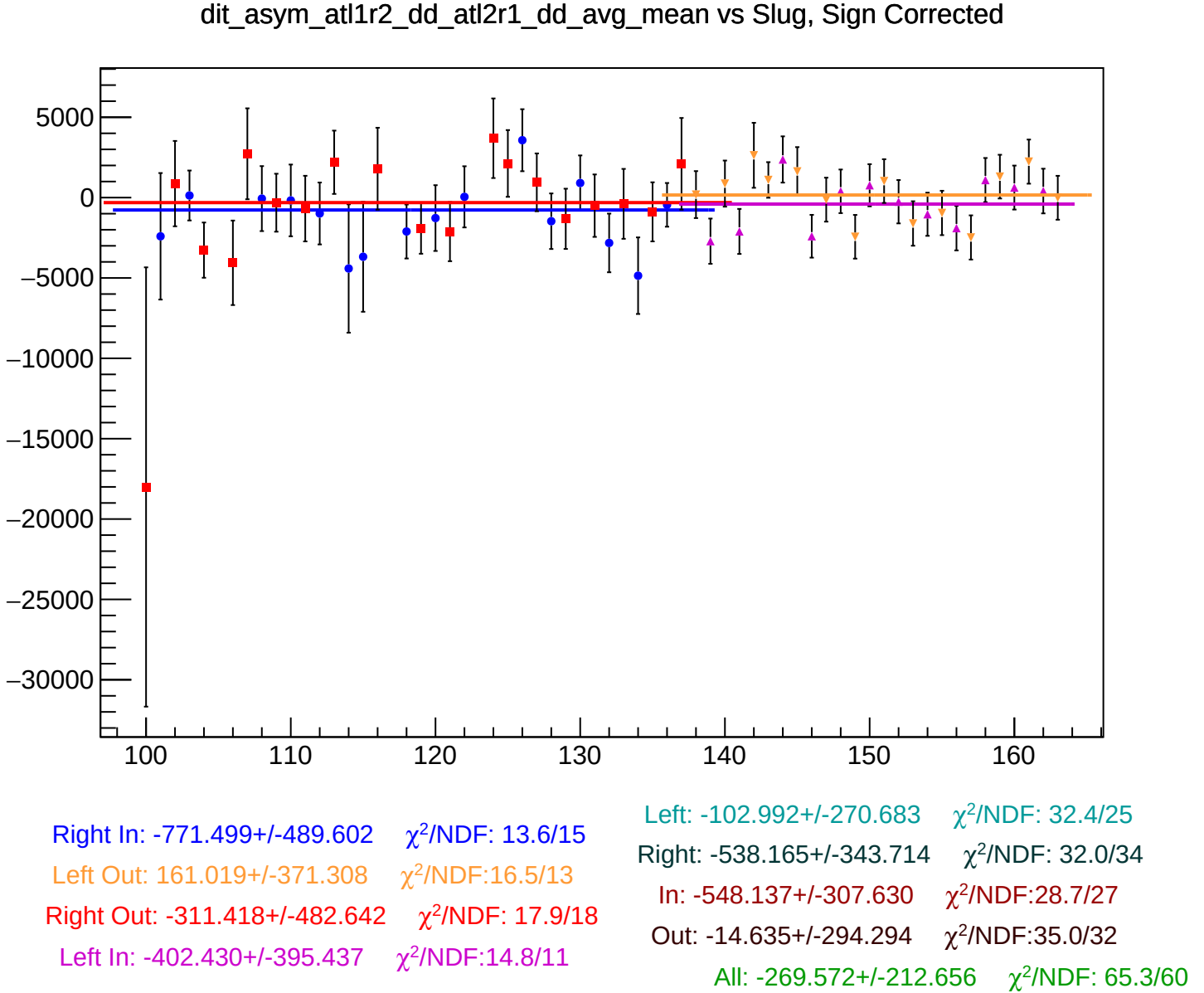
Left: 327.638+/-0.052 χ^2/NDF: 2778922.9/25

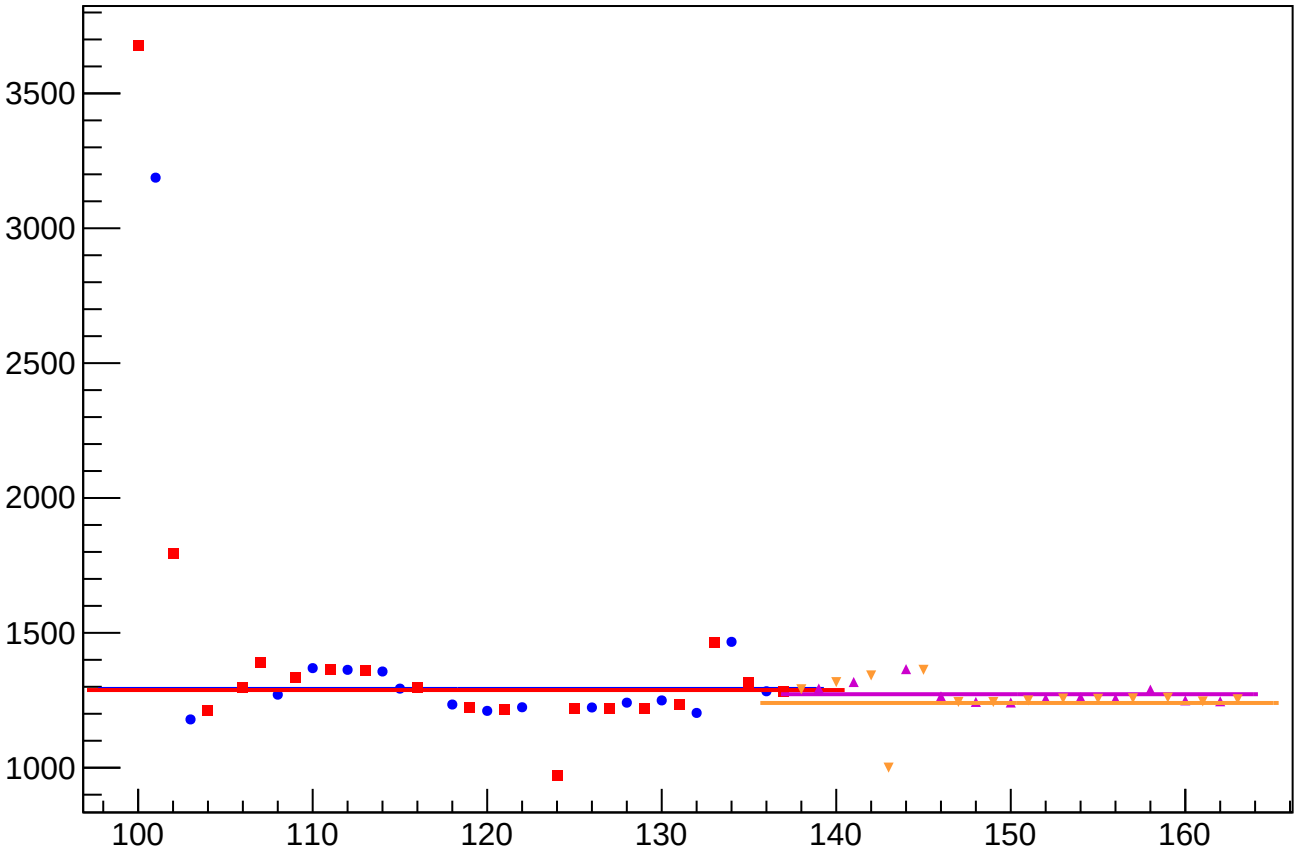
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 343.857+/-0.063 χ^2/NDF:4916520.3/27

Out: 339.890+/-0.062 χ^2/NDF:6388358.5/32

All: 341.843+/-0.044 χ^2/NDF: 11306894.9/60


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 161.019+/-371.308 χ²/NDF:16.5/13
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -402.430+/-395.437 χ²/NDF:14.8/11
Left: -102.992+/-270.683 χ²/NDF: 32.4/25
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -548.137+/-307.630 χ²/NDF:28.7/27
Out: -14.635+/-294.294 χ²/NDF:35.0/32
All: -269.572+/-212.656 χ²/NDF: 65.3/60



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121918.0/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

Left: 1255.287+/-0.191 χ^2/NDF: 144341.1/25

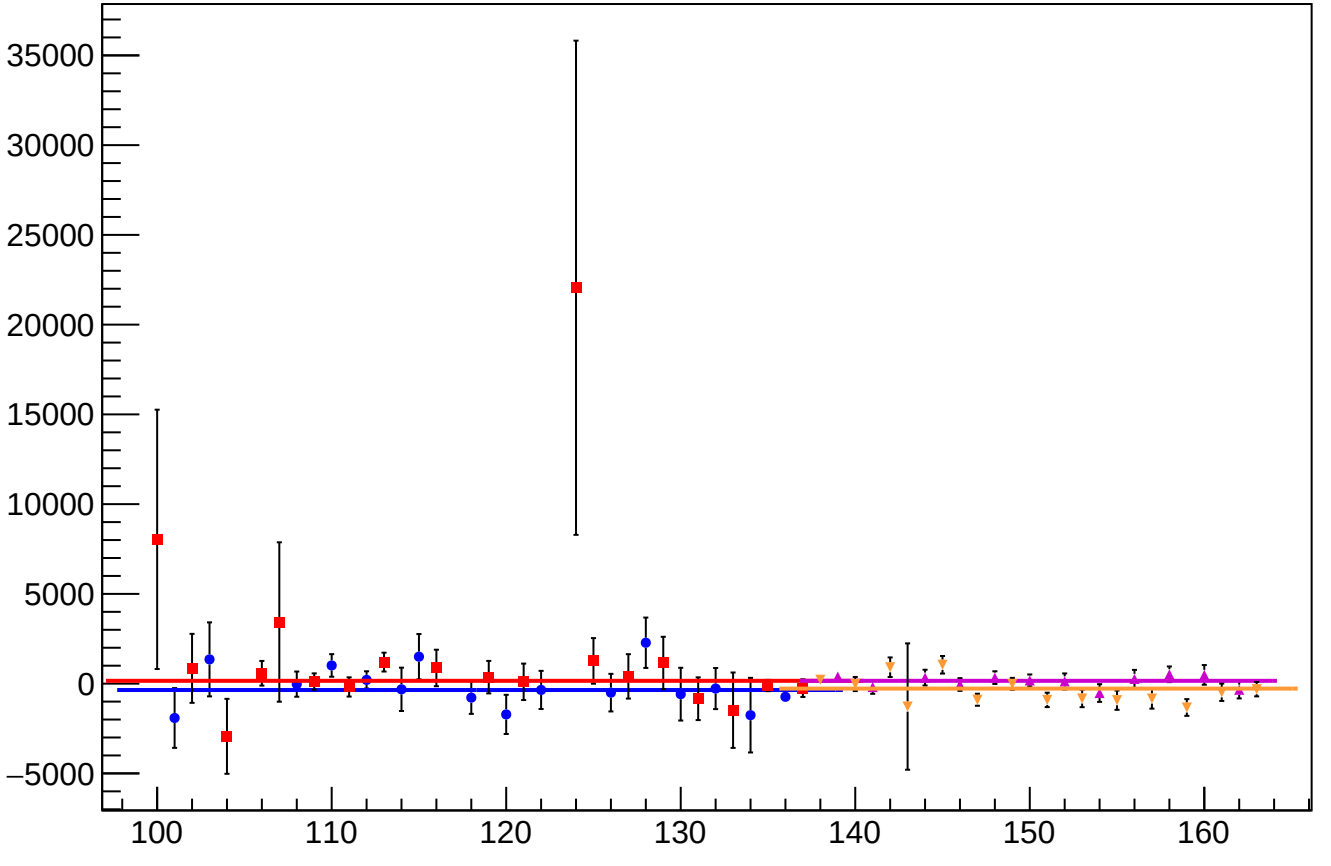
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1280.228+/-0.218 χ^2/NDF:526602.2/27

Out: 1257.899+/-0.208 χ^2/NDF:343501.1/32

All: 1268.569+/-0.150 χ^2/NDF: 875604.9/60

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: -275.158+/-111.113 χ^2/NDF:32.2/13

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 156.826+/-114.479 χ^2/NDF:6.4/11

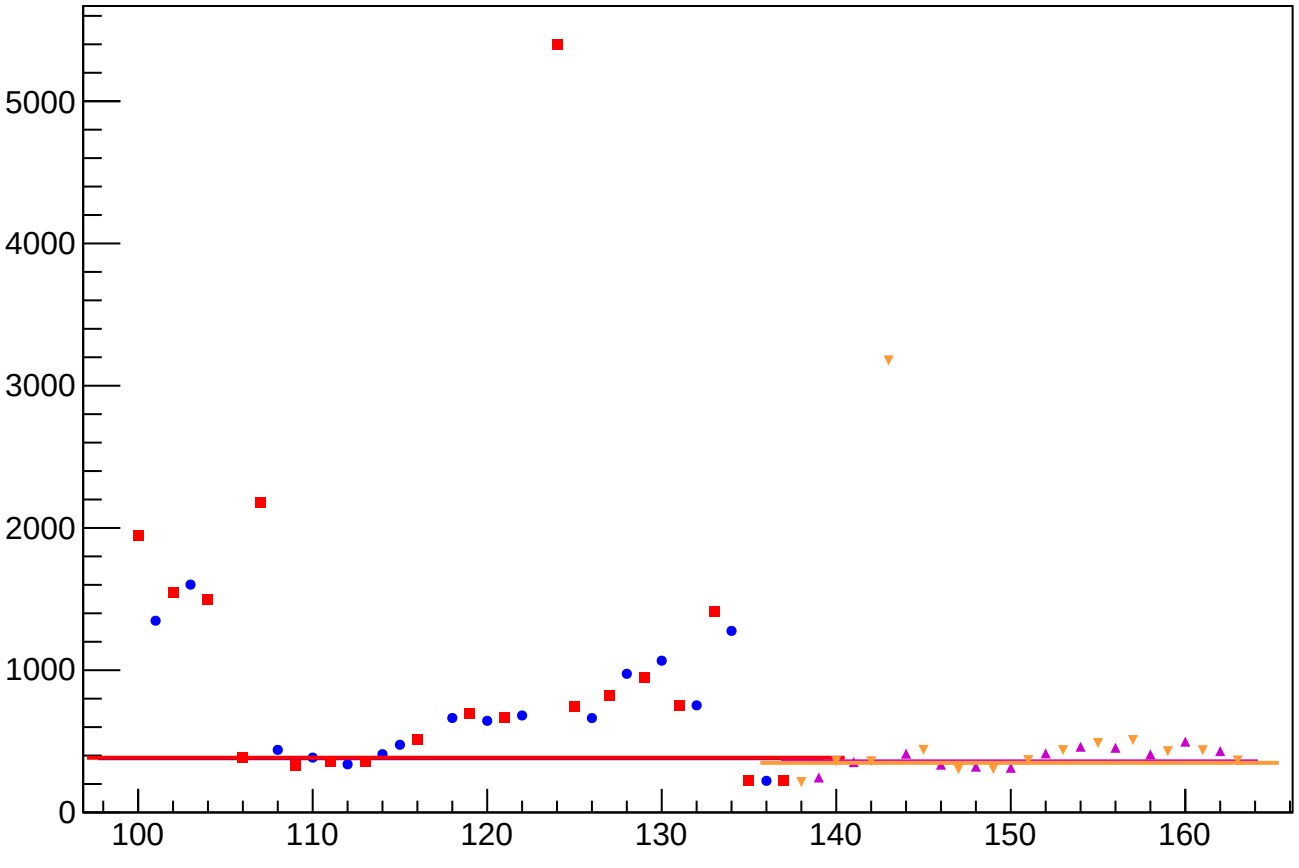
Left: -65.608+/-79.732 χ^2/NDF: 46.0/25

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.968+/-94.951 χ^2/NDF:31.1/27

Out: -145.165+/-92.954 χ^2/NDF:52.6/32

All: -75.578+/-66.423 χ^2/NDF: 84.9/60



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 348.822+/-0.079 χ^2/NDF:2546282.1/13

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 359.195+/-0.081 χ^2/NDF:823635.3/11

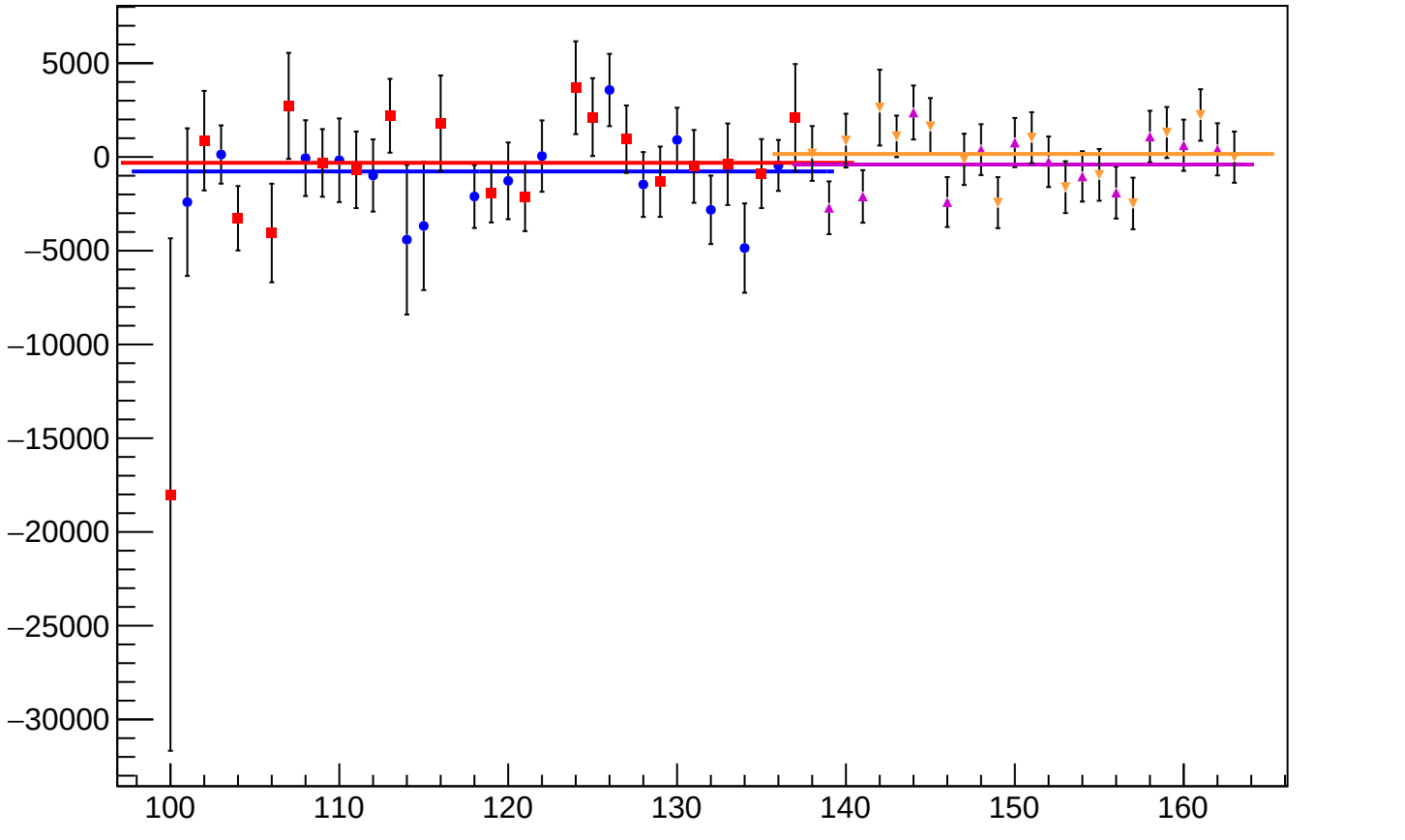
Left: 353.854+/-0.056 χ^2/NDF: 3378373.4/25

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 366.109+/-0.067 χ^2/NDF:5164931.0/27

Out: 359.576+/-0.066 χ^2/NDF:7168908.5/32

All: 362.773+/-0.047 χ^2/NDF: 12338673.6/60



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: 161.021+/-371.308 χ^2/NDF:16.5/13

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -402.429+/-395.437 χ^2/NDF:14.8/11

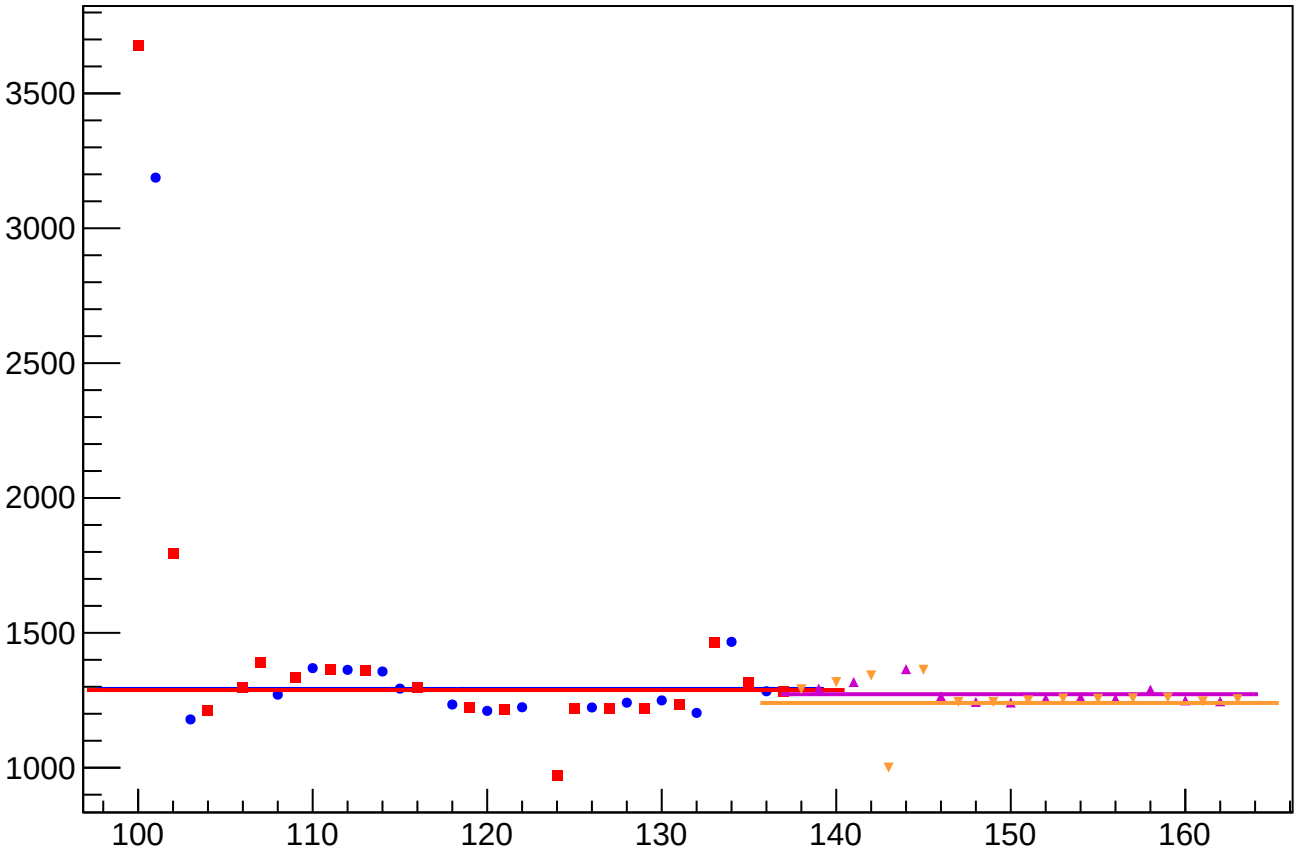
Left: -102.990+/-270.683 χ^2/NDF: 32.4/25

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -548.137+/-307.630 χ^2/NDF:28.7/27

Out: -14.634+/-294.295 χ^2/NDF:35.0/32

All: -269.572+/-212.656 χ^2/NDF: 65.3/60



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.090+/-0.263 χ^2/NDF:121917.2/13

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1272.523+/-0.280 χ^2/NDF:15273.0/11

Left: 1255.287+/-0.191 χ^2/NDF: 144340.3/25

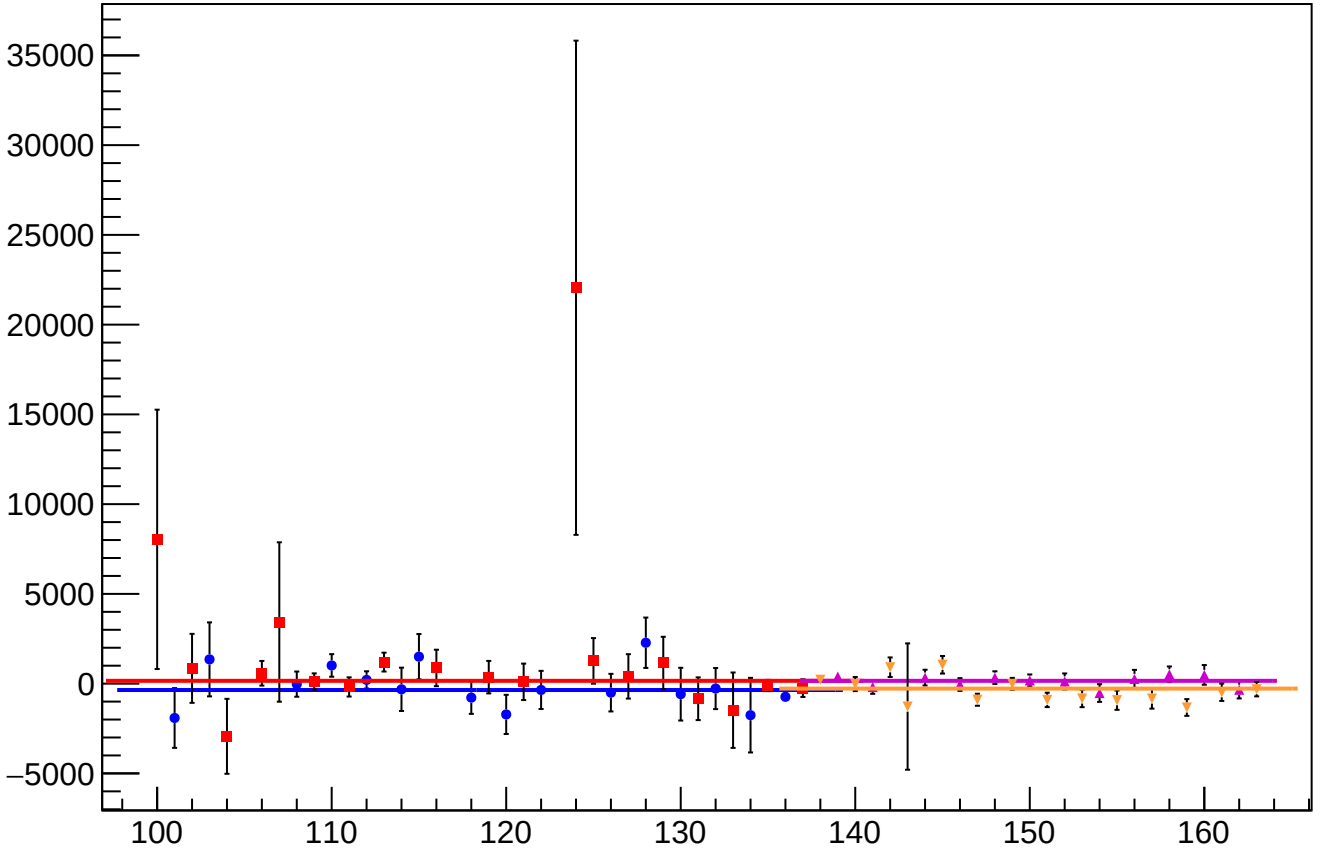
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1280.228+/-0.218 χ^2/NDF:526602.2/27

Out: 1257.899+/-0.208 χ^2/NDF:343500.5/32

All: 1268.569+/-0.150 χ^2/NDF: 875604.3/60

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: -275.168+/-111.115 χ^2/NDF:32.2/13

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 156.825+/-114.480 χ^2/NDF:6.4/11

Left: -65.614+/-79.733 χ^2/NDF: 46.0/25

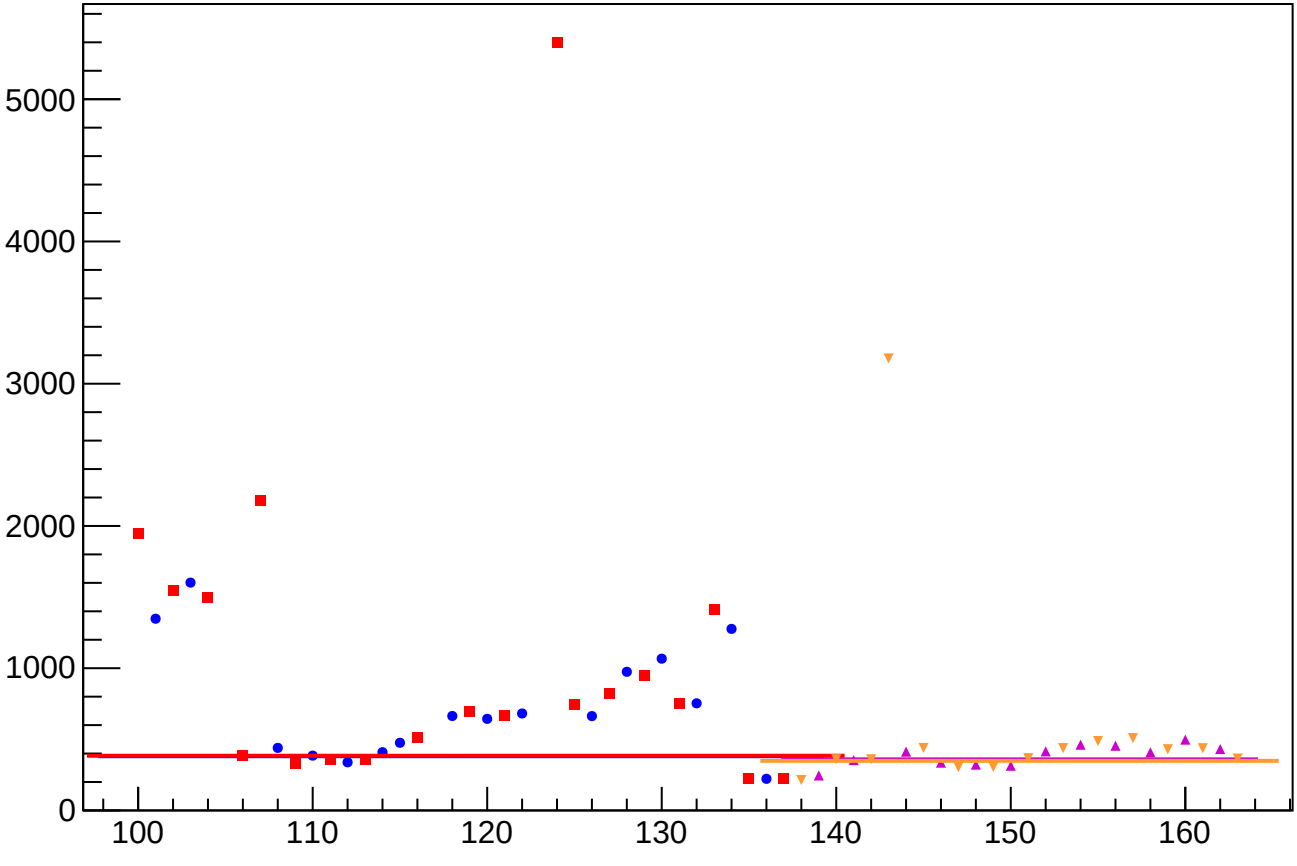
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.967+/-94.952 χ^2/NDF:31.1/27

Out: -145.171+/-92.955 χ^2/NDF:52.6/32

All: -75.580+/-66.424 χ^2/NDF: 84.9/60

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: 348.827+/-0.079 χ^2/NDF:2546099.4/13

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 359.200+/-0.081 χ^2/NDF:823525.4/11

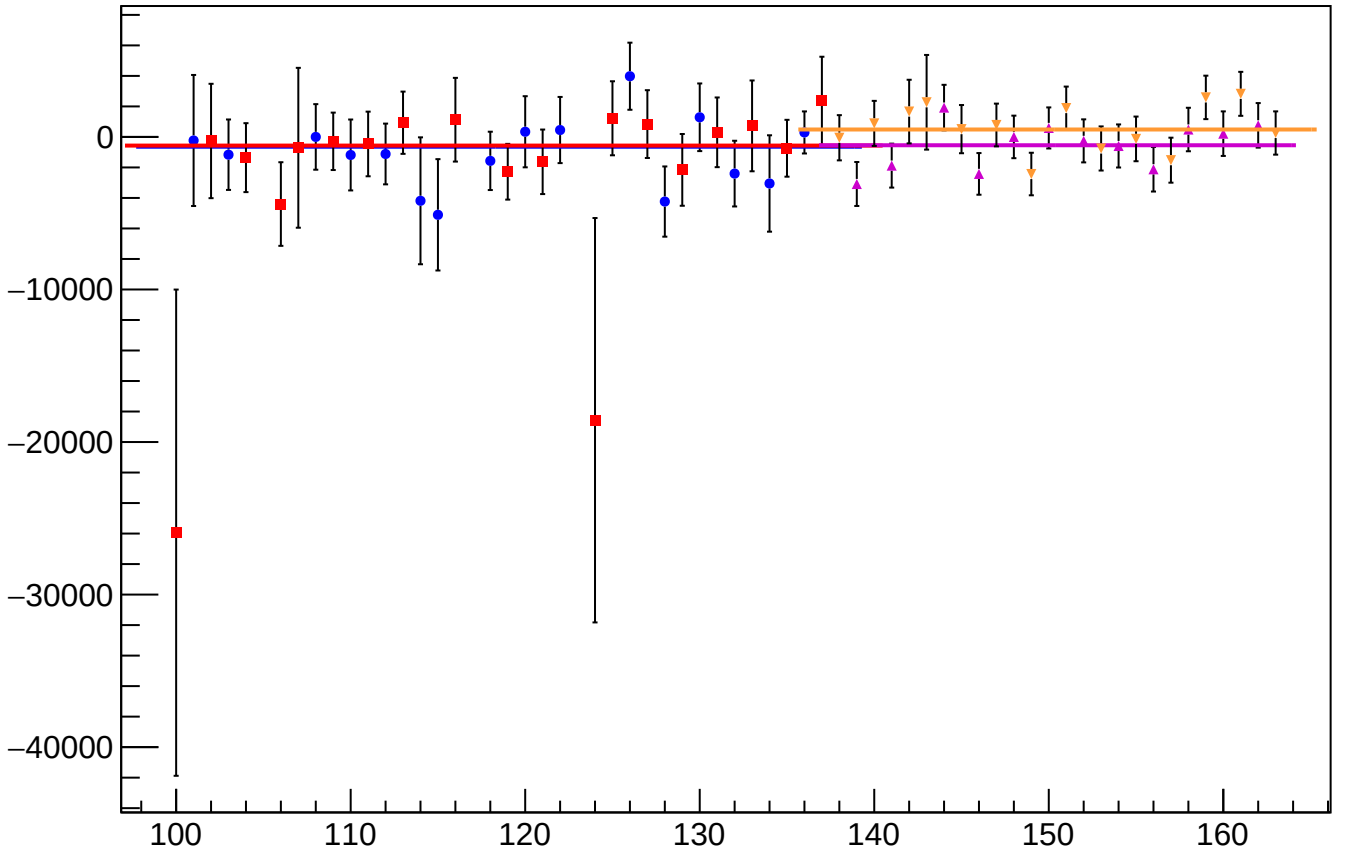
Left: 353.859+/-0.056 χ^2/NDF: 3378079.0/25

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 366.115+/-0.067 χ^2/NDF:5164647.0/27

Out: 359.582+/-0.066 χ^2/NDF:7168592.2/32

All: 362.779+/-0.047 χ^2/NDF: 12338073.2/60



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: 487.328+/-406.480 χ^2/NDF:13.9/13

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -545.065+/-411.018 χ^2/NDF:12.3/11

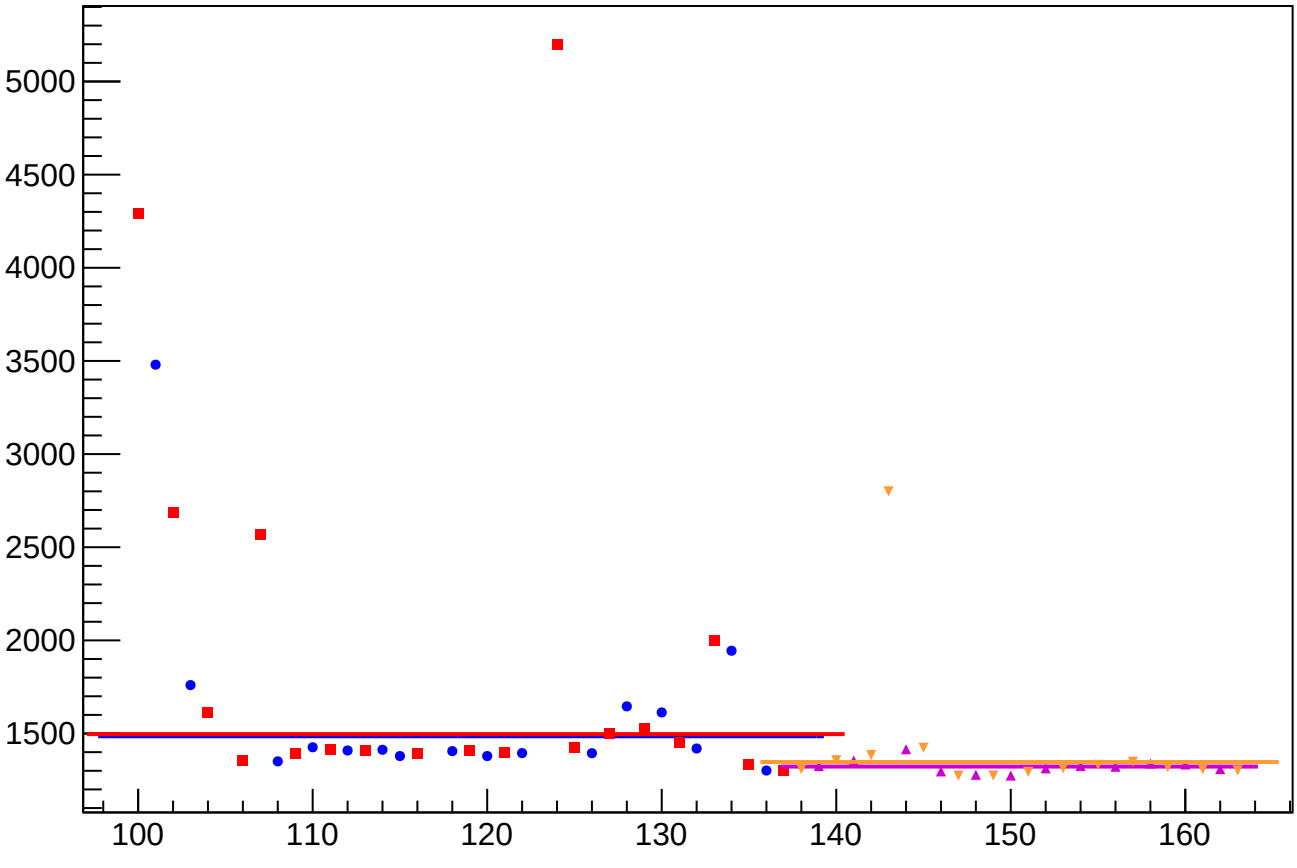
Left: -23.137+/-289.016 χ^2/NDF: 29.3/25

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -578.253+/-332.246 χ^2/NDF:24.8/27

Out: 129.139+/-330.313 χ^2/NDF:27.5/32

All: -222.494+/-234.247 χ^2/NDF: 54.5/60



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1347.004+/-0.287 χ^2/NDF:464274.6/13

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1322.641+/-0.291 χ^2/NDF:14713.0/11

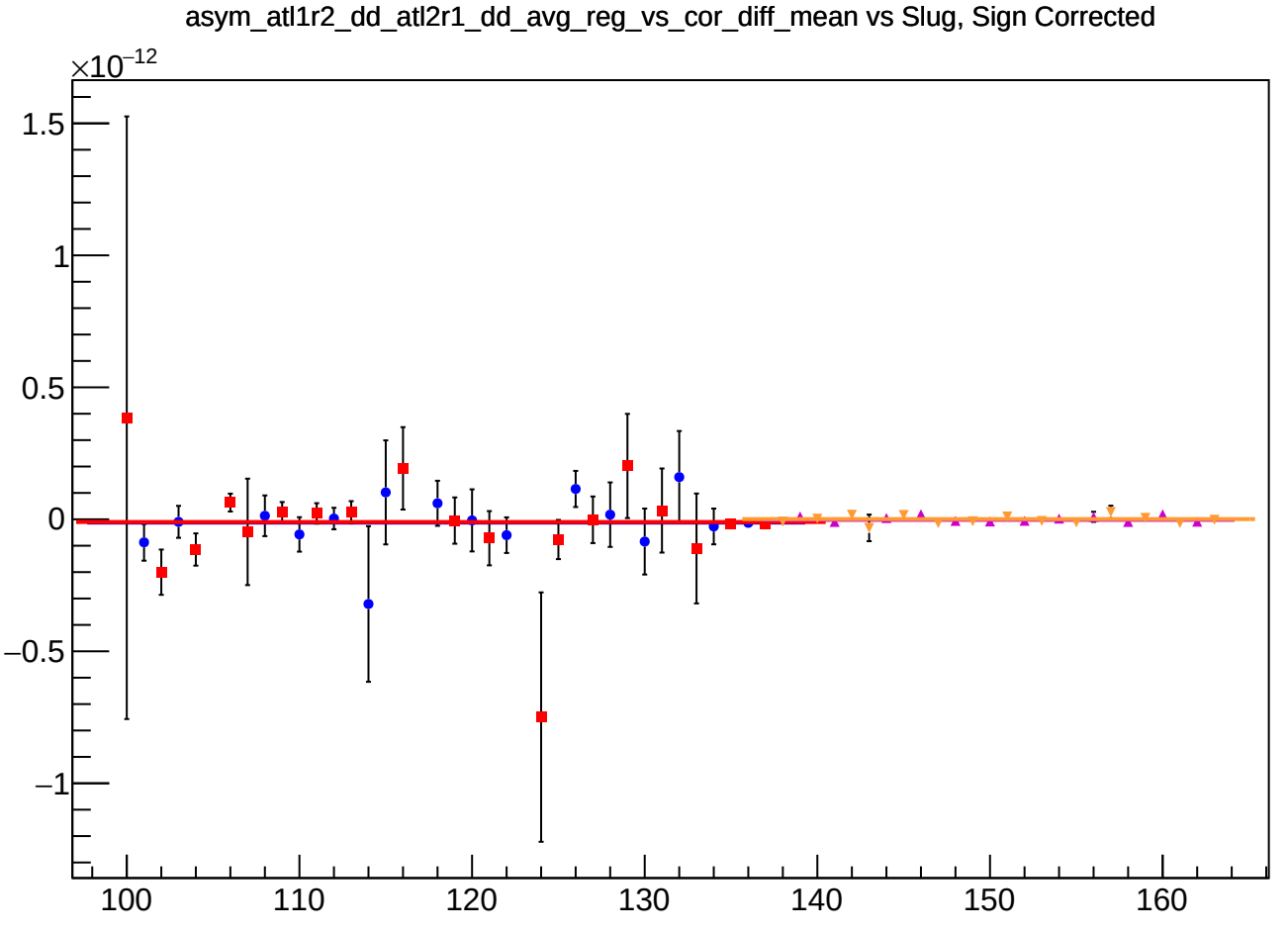
Left: 1334.958+/-0.204 χ^2/NDF: 482540.3/25

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1379.039+/-0.235 χ^2/NDF:707835.0/27

Out: 1397.905+/-0.234 χ^2/NDF:1179902.1/32

All: 1388.527+/-0.166 χ^2/NDF: 1890980.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.2/11

Left: -0.000+/-0.000 χ^2/NDF: 27.5/25

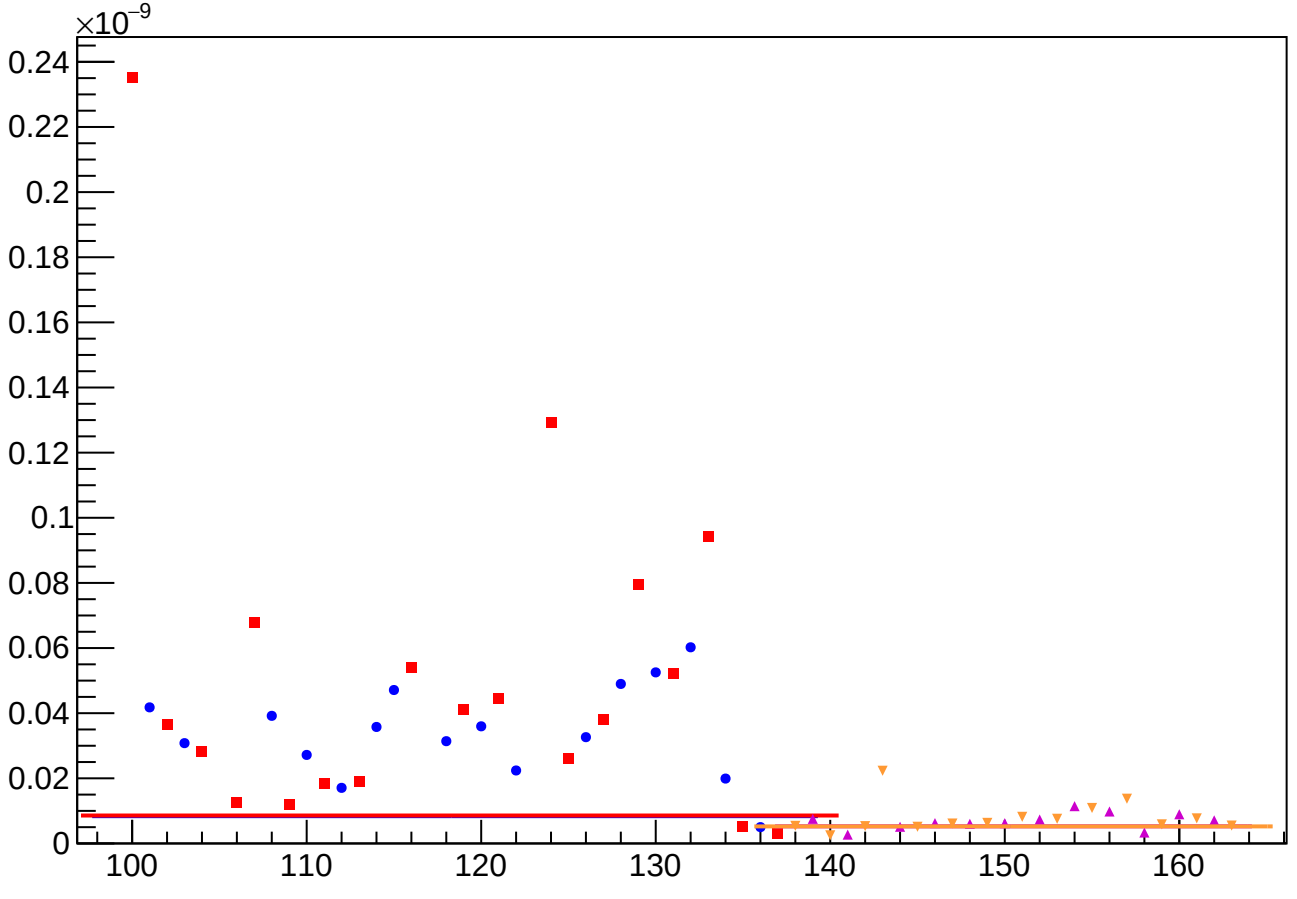
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:24.4/27

Out: -0.000+/-0.000 χ^2/NDF:37.8/32

All: -0.000+/-0.000 χ^2/NDF: 62.8/60

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619189.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1251943.4/11

Left: 0.000+/-0.000 χ^2/NDF: 2871231.6/25

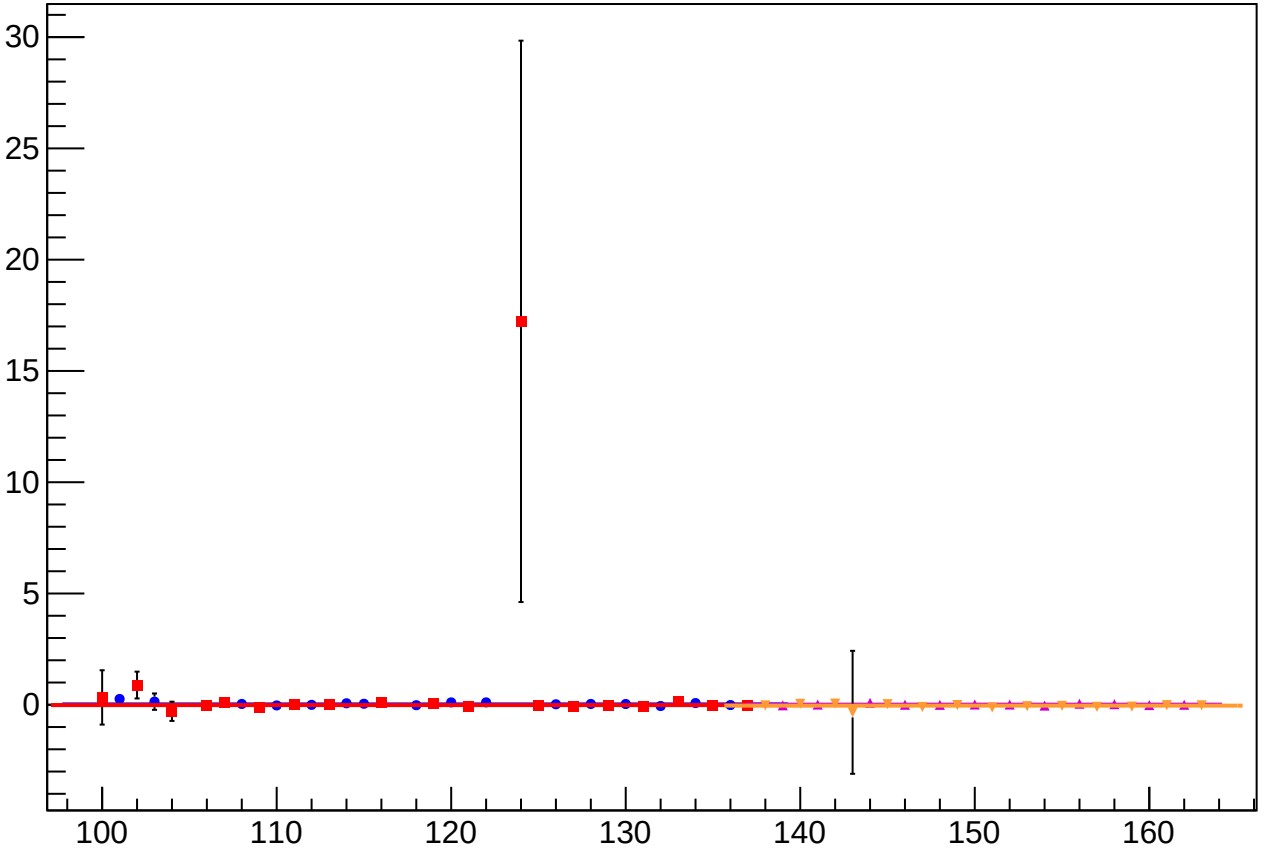
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:4619051.4/27

Out: 0.000+/-0.000 χ^2/NDF:5279686.6/32

All: 0.000+/-0.000 χ^2/NDF: 9899633.8/60

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

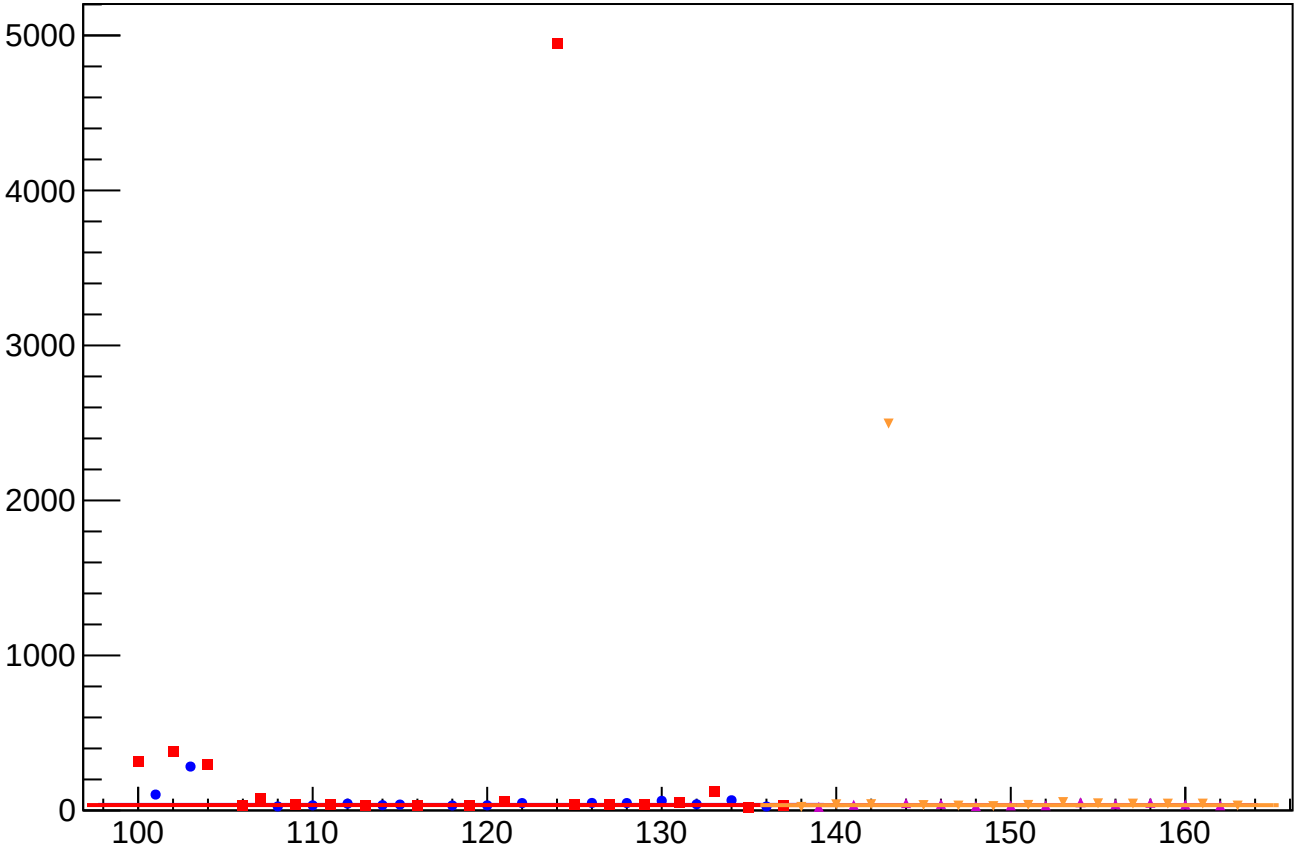
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

Left: 34.724+/-0.006 χ^2/NDF: 3551543.1/25

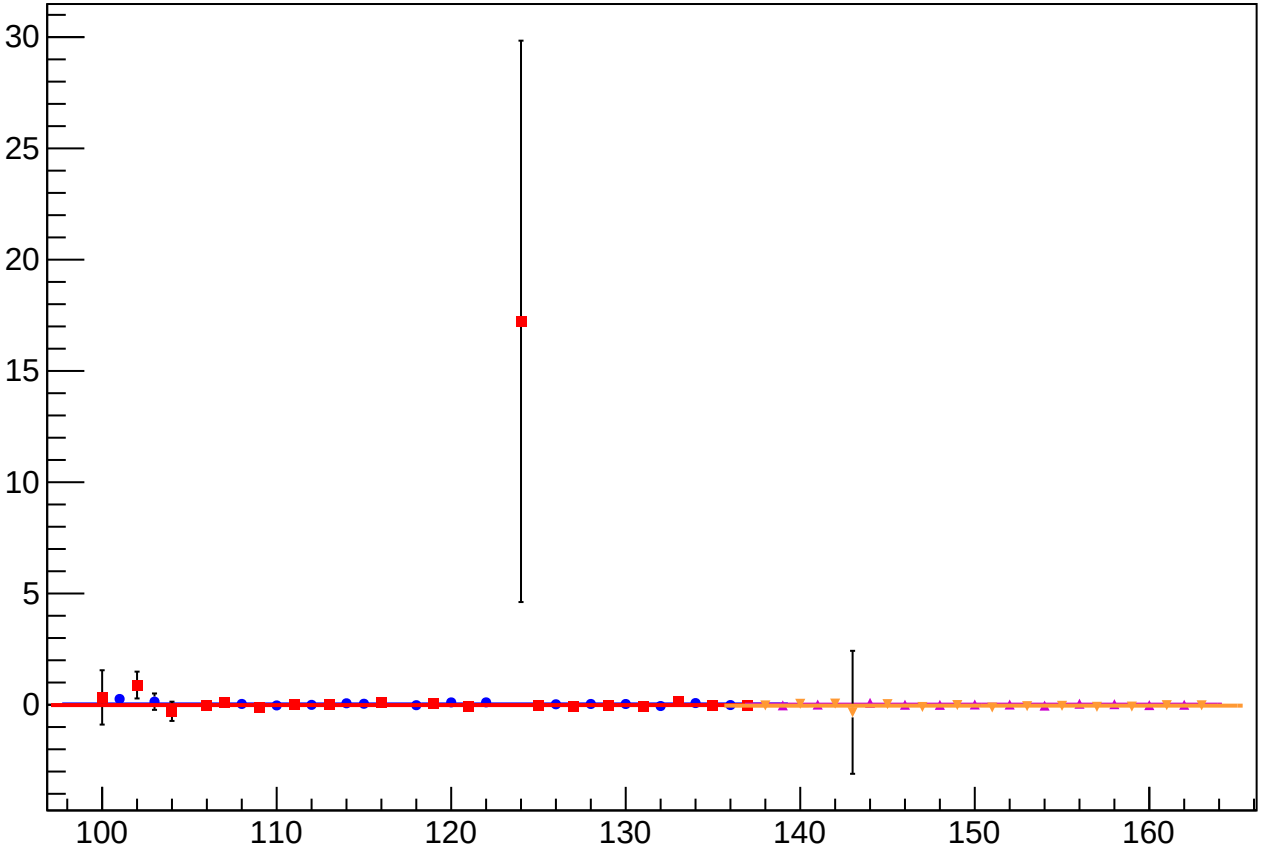
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.468+/-0.007 χ^2/NDF:3192403.8/27

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

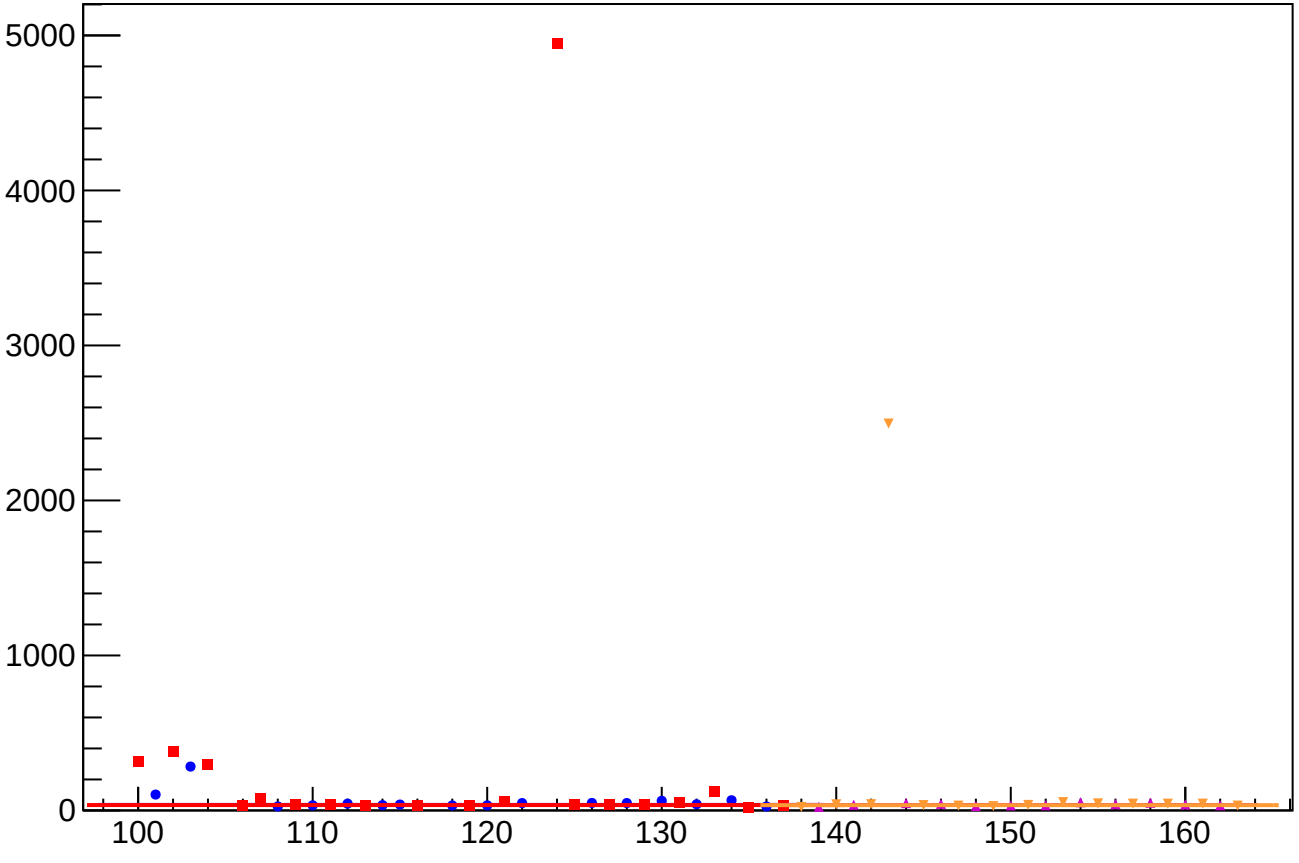
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616034.2/13

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 35.303+/-0.009 χ^2/NDF:926607.8/11

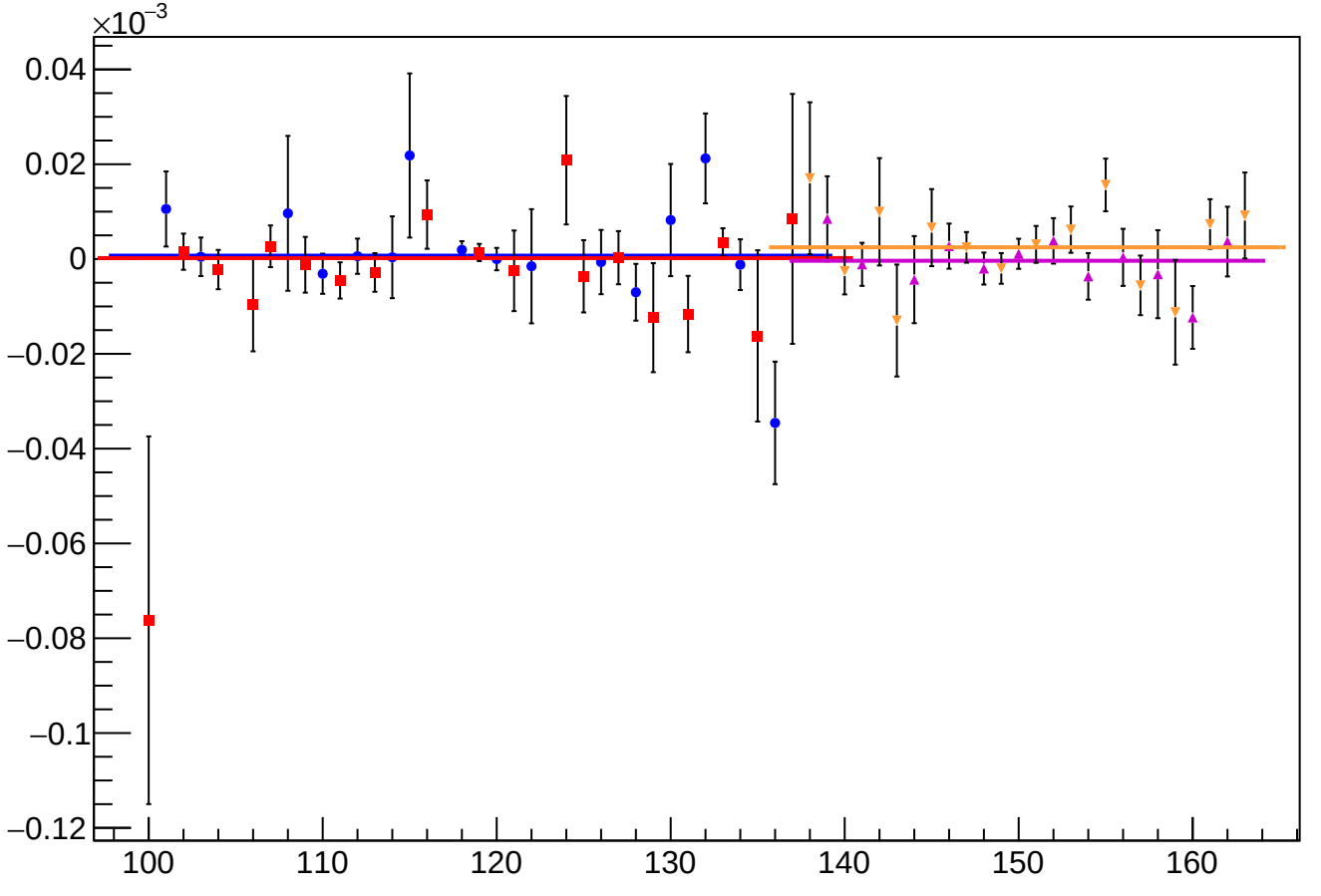
Left: 34.724+/-0.006 χ^2/NDF: 3551543.1/25

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 35.468+/-0.007 χ^2/NDF:3192403.8/27

Out: 34.404+/-0.007 χ^2/NDF:5532128.7/32

All: 34.926+/-0.005 χ^2/NDF: 8737354.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/11

Left: 0.000+/-0.000 χ^2/NDF: 25.9/25

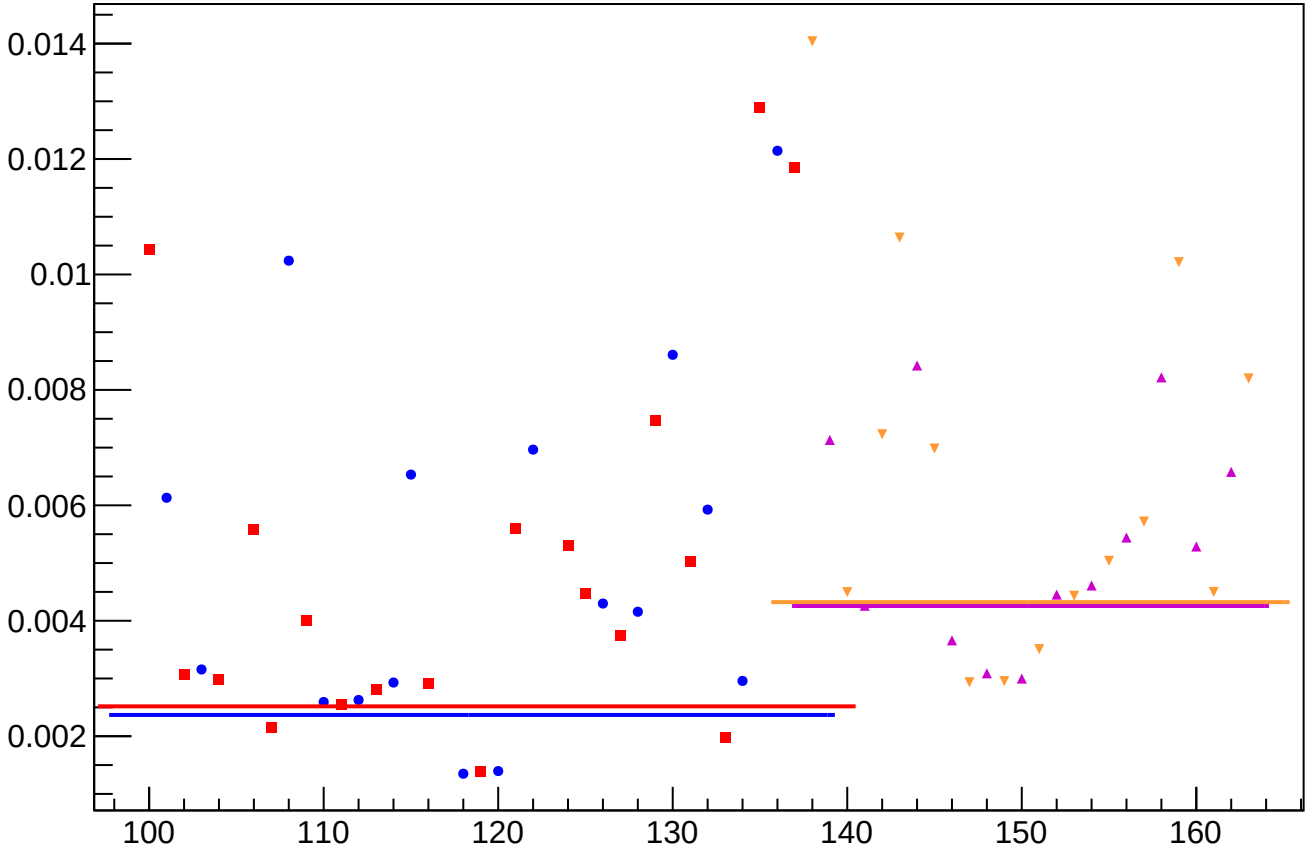
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:26.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.7/32

All: 0.000+/-0.000 χ^2/NDF: 63.4/60

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:3540393.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1905649.0/11

Left: 0.004+/-0.000 χ^2/NDF: 5448203.4/25

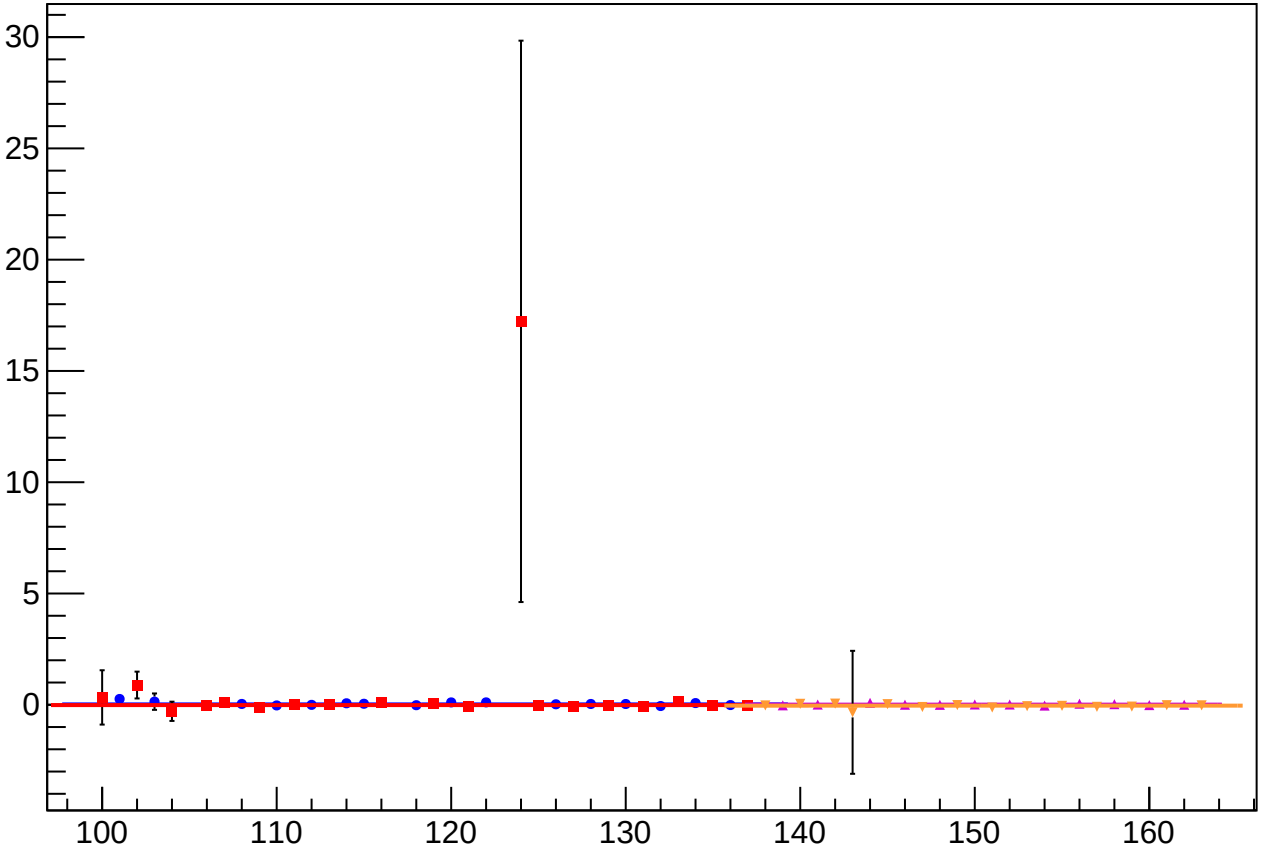
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:8752268.4/27

Out: 0.003+/-0.000 χ^2/NDF:8991659.8/32

All: 0.003+/-0.000 χ^2/NDF: 17758395.2/60

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

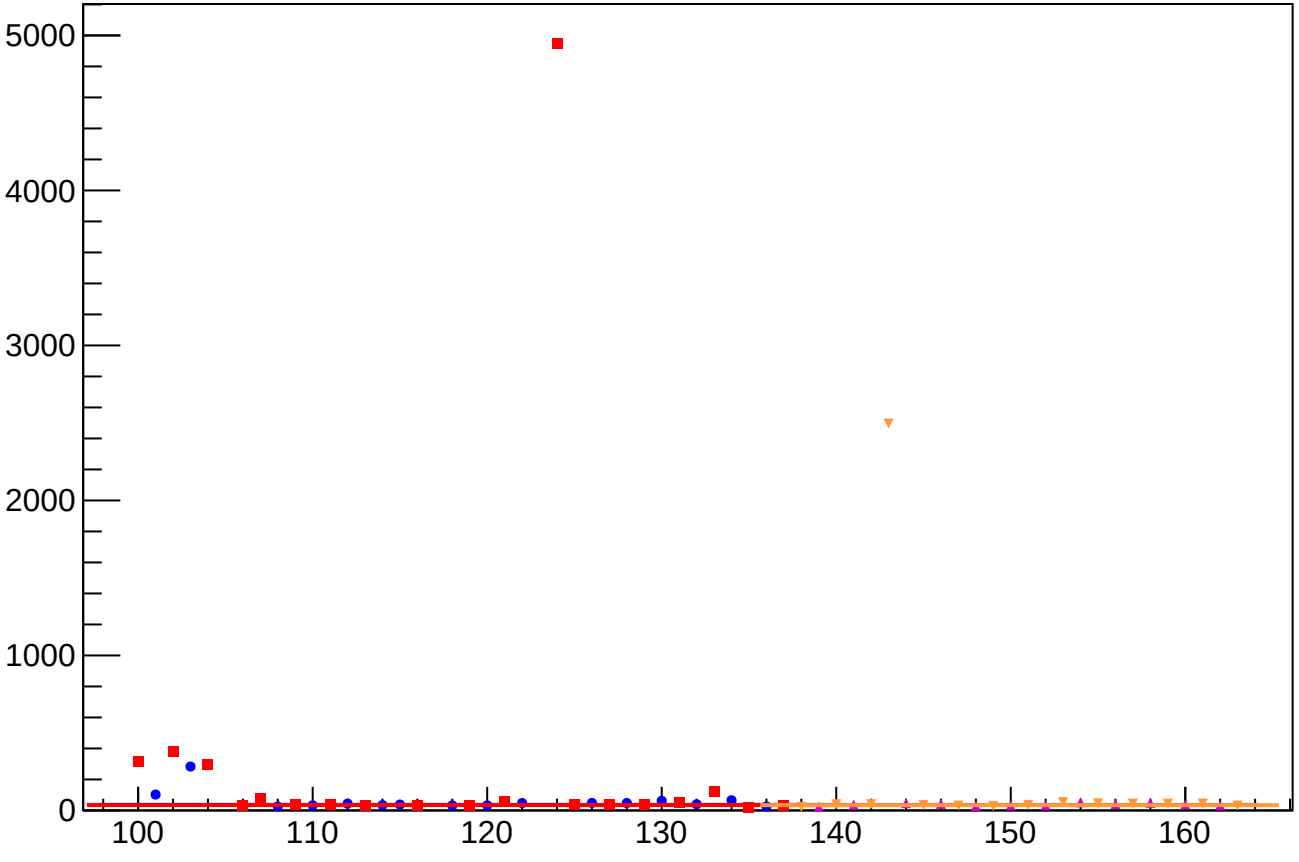
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

Left: 34.723+/-0.006 χ^2/NDF: 3552471.7/25

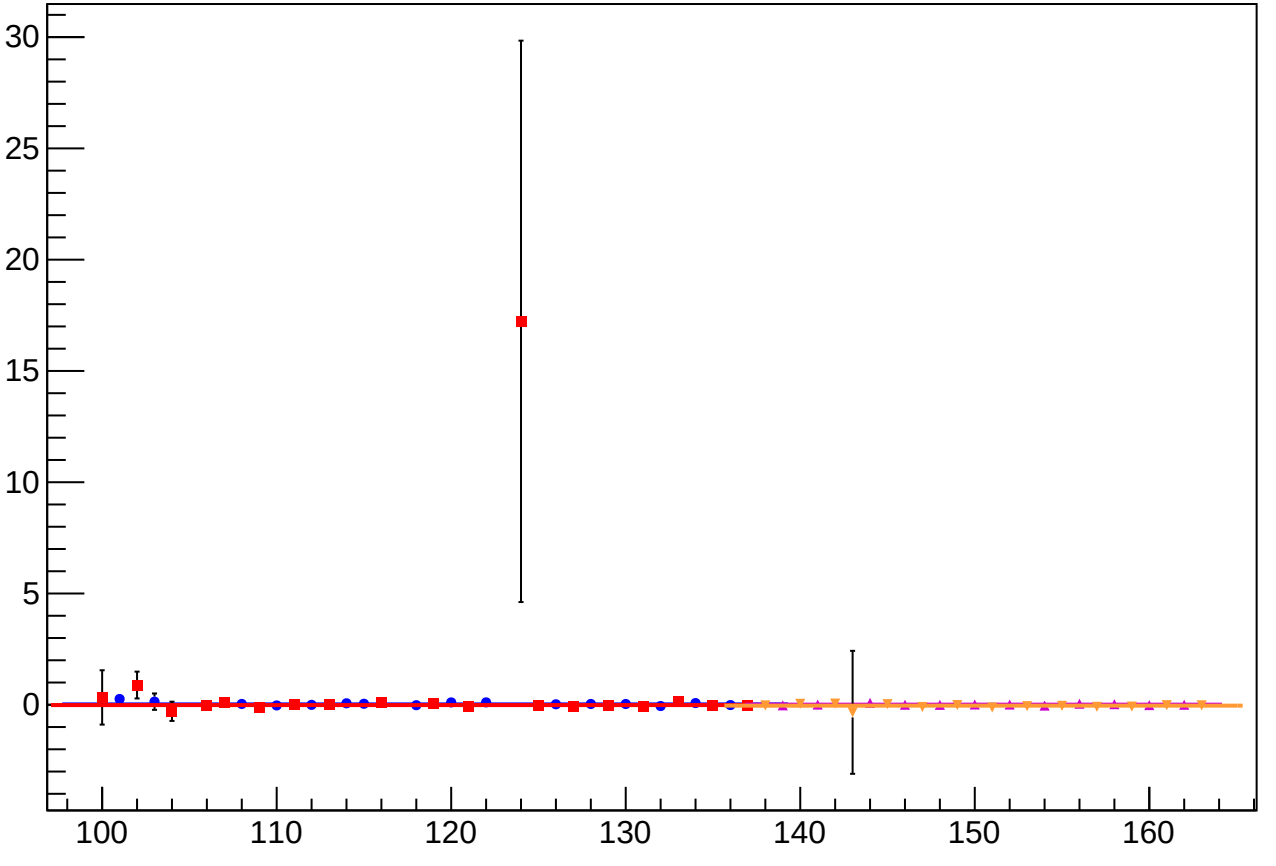
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.468+/-0.007 χ^2/NDF:3192755.2/27

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.039+/-0.012 χ^2/NDF:17.6/13

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.012 χ^2/NDF:5.2/11

Left: -0.017+/-0.008 χ^2/NDF: 30.1/25

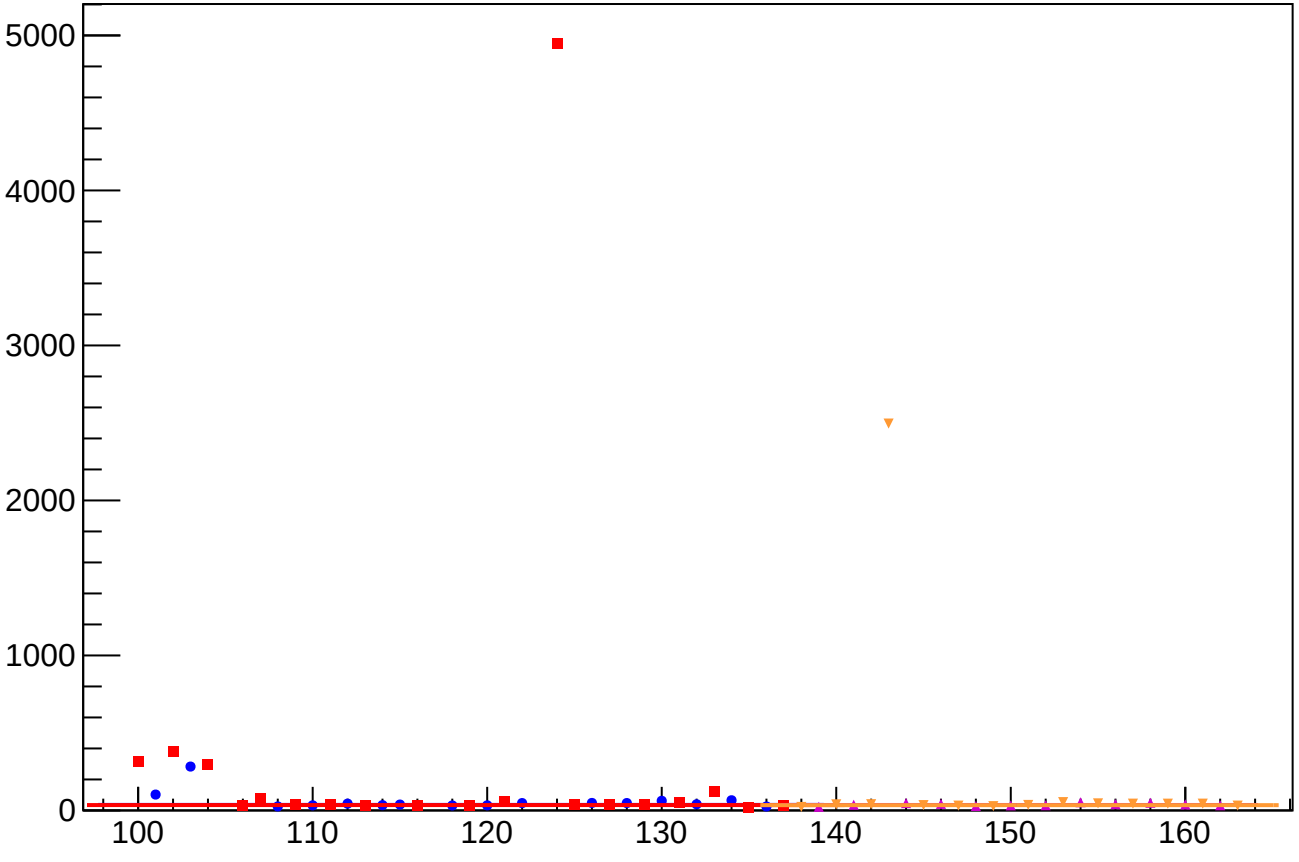
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.010+/-0.009 χ^2/NDF:17.0/27

Out: -0.030+/-0.009 χ^2/NDF:35.3/32

All: -0.010+/-0.007 χ^2/NDF: 61.3/60

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: 34.188+/-0.008 χ^2/NDF:2616363.8/13

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 35.301+/-0.009 χ^2/NDF:927221.9/11

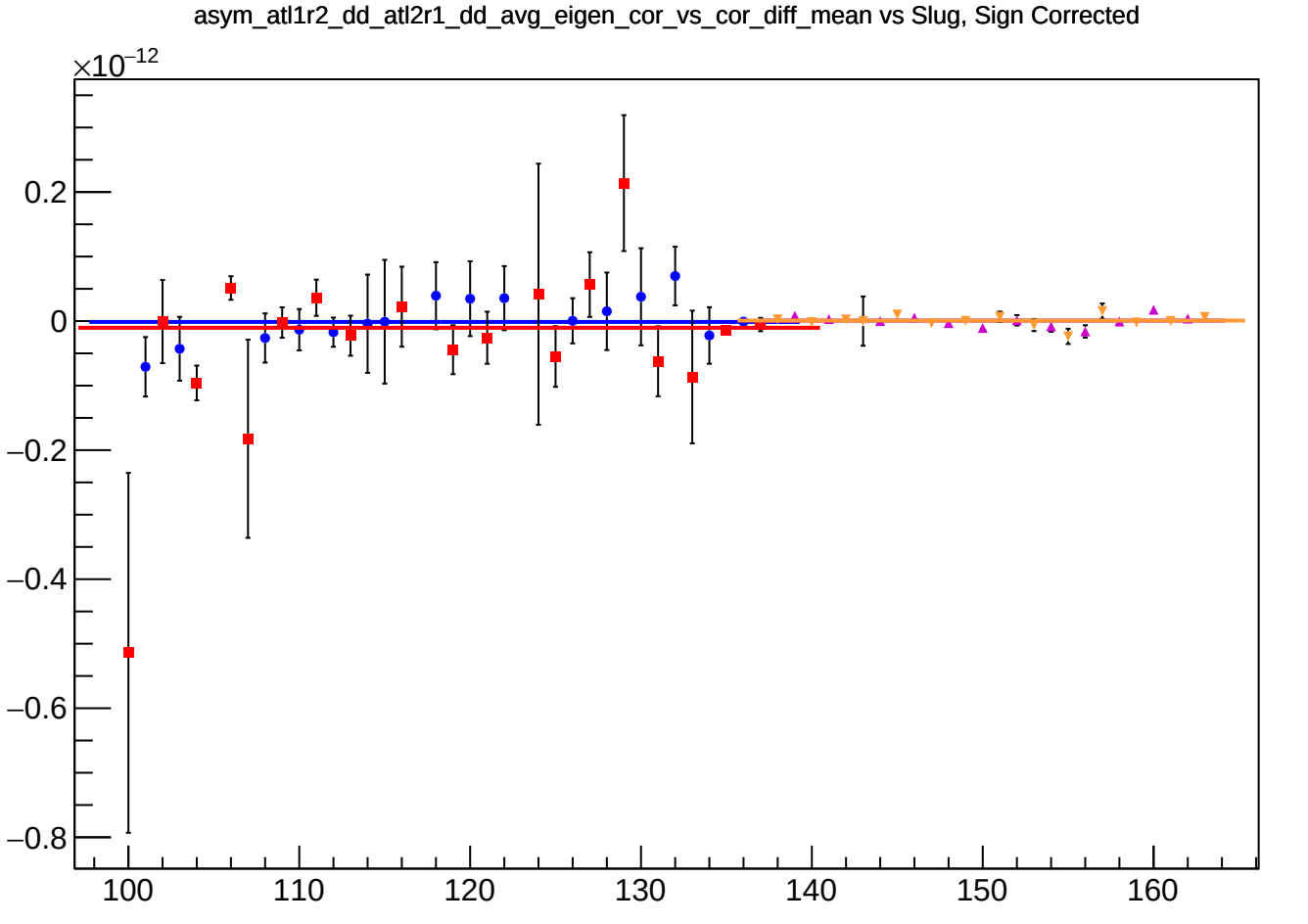
Left: 34.723+/-0.006 χ^2/NDF: 3552471.7/25

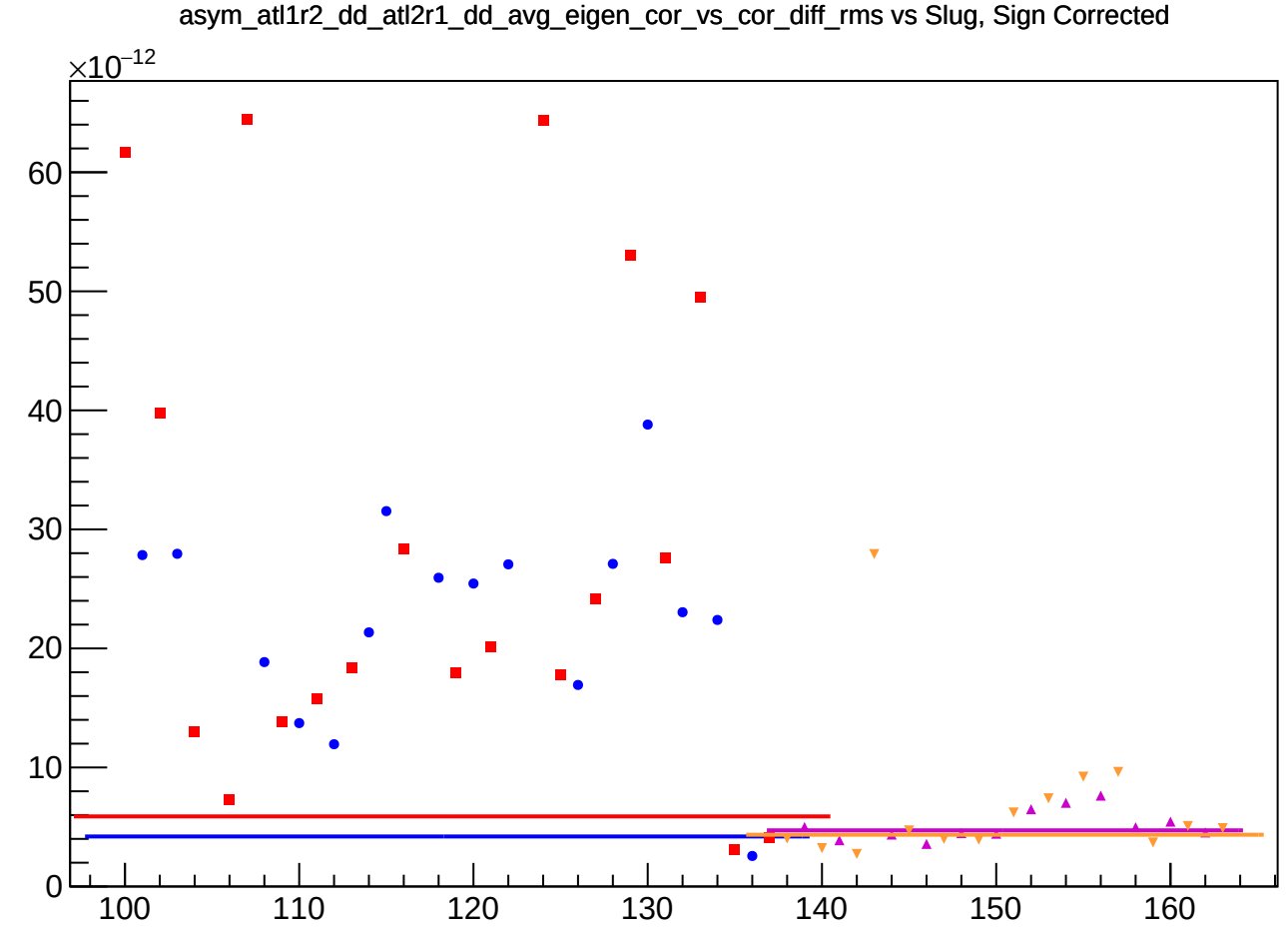
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 35.468+/-0.007 χ^2/NDF:3192755.2/27

Out: 34.404+/-0.007 χ^2/NDF:5532293.6/32

All: 34.925+/-0.005 χ^2/NDF: 8737862.9/60


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/13
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:17.1/11
Left: 0.000+/-0.000 χ²/NDF: 28.5/25
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:26.0/27
Out: -0.000+/-0.000 χ²/NDF:57.4/32
All: -0.000+/-0.000 χ²/NDF: 83.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2295470.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:656969.9/11

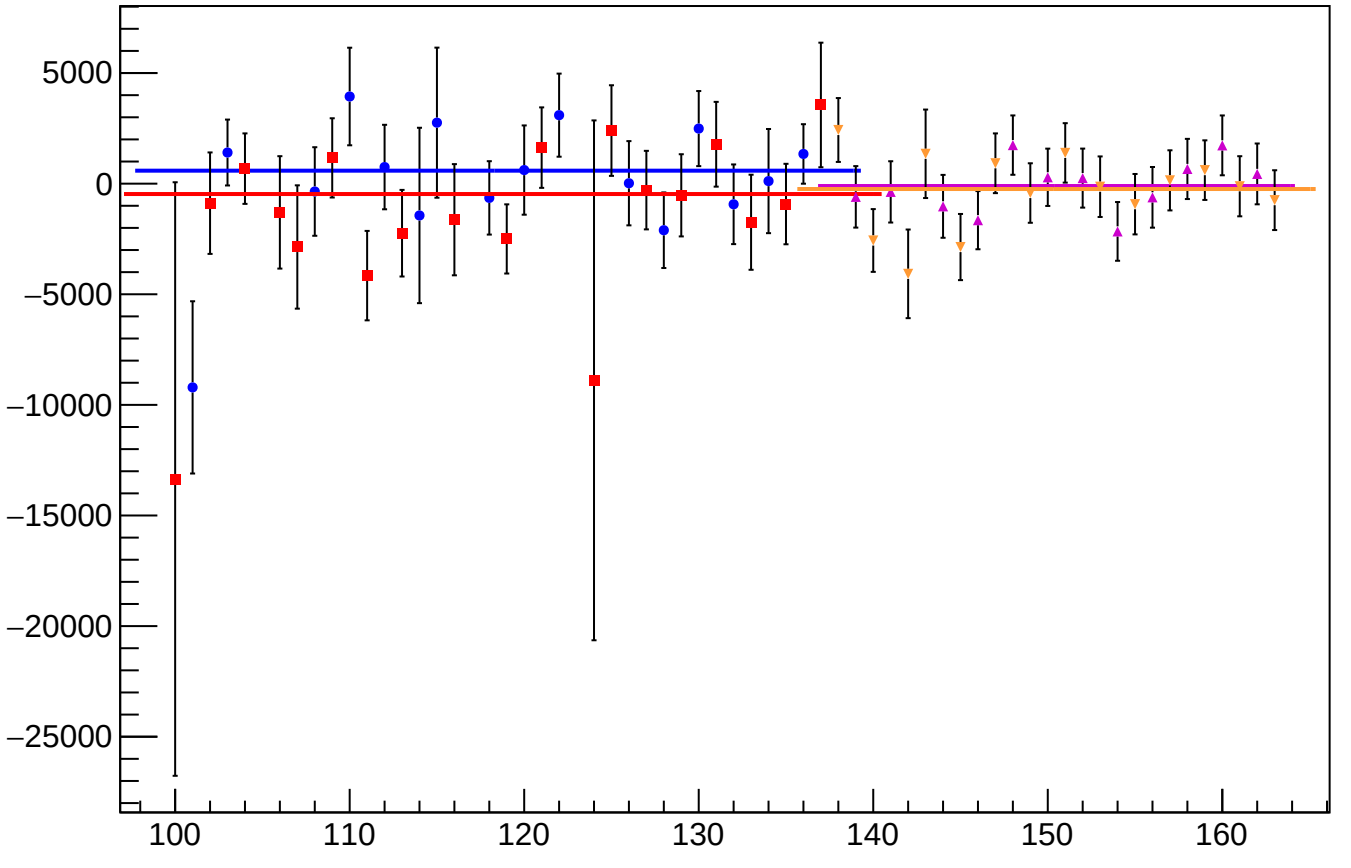
Left: 0.000+/-0.000 χ^2/NDF: 2998418.7/25

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5772975.2/27

Out: 0.000+/-0.000 χ^2/NDF:7390587.4/32

All: 0.000+/-0.000 χ^2/NDF: 13164496.6/60



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.417+/-382.621 χ^2/NDF:16.6/13

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -106.887+/-390.983 χ^2/NDF:8.9/11

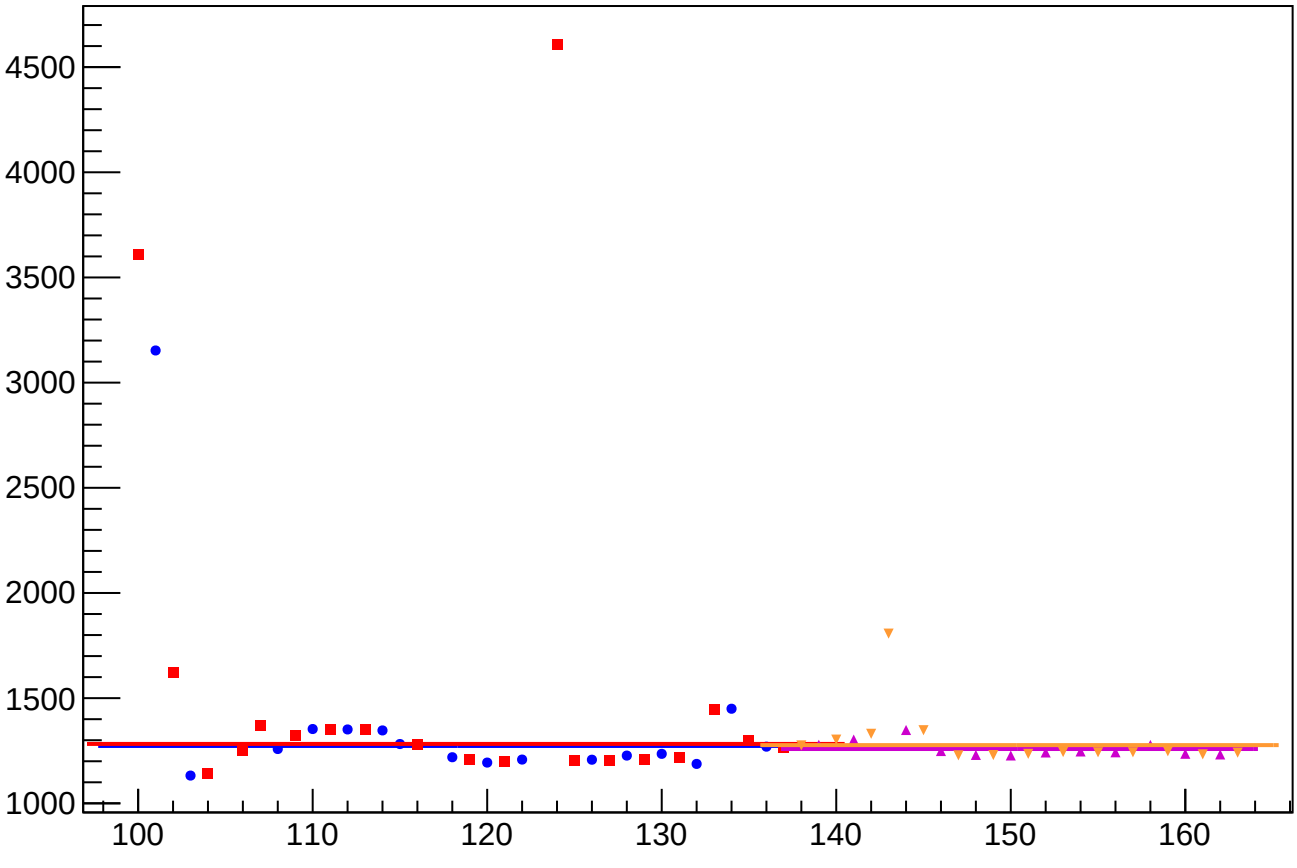
Left: -176.117+/-273.462 χ^2/NDF: 25.5/25

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 168.165+/-303.754 χ^2/NDF:27.2/27

Out: -330.341+/-299.320 χ^2/NDF:33.6/32

All: -84.752+/-213.202 χ^2/NDF: 62.2/60



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

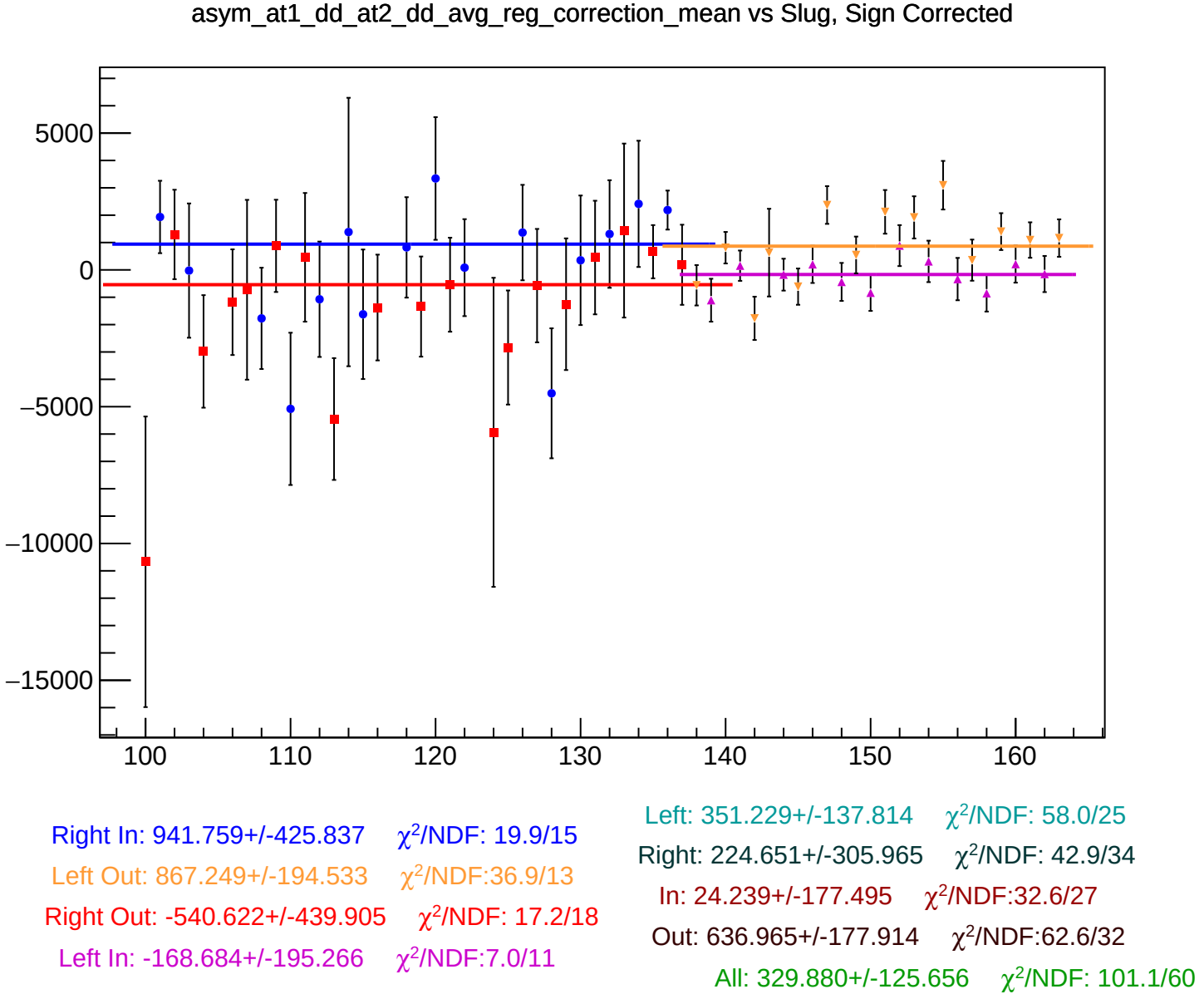
Left: 1267.683+/-0.193 χ^2/NDF: 179609.4/25

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

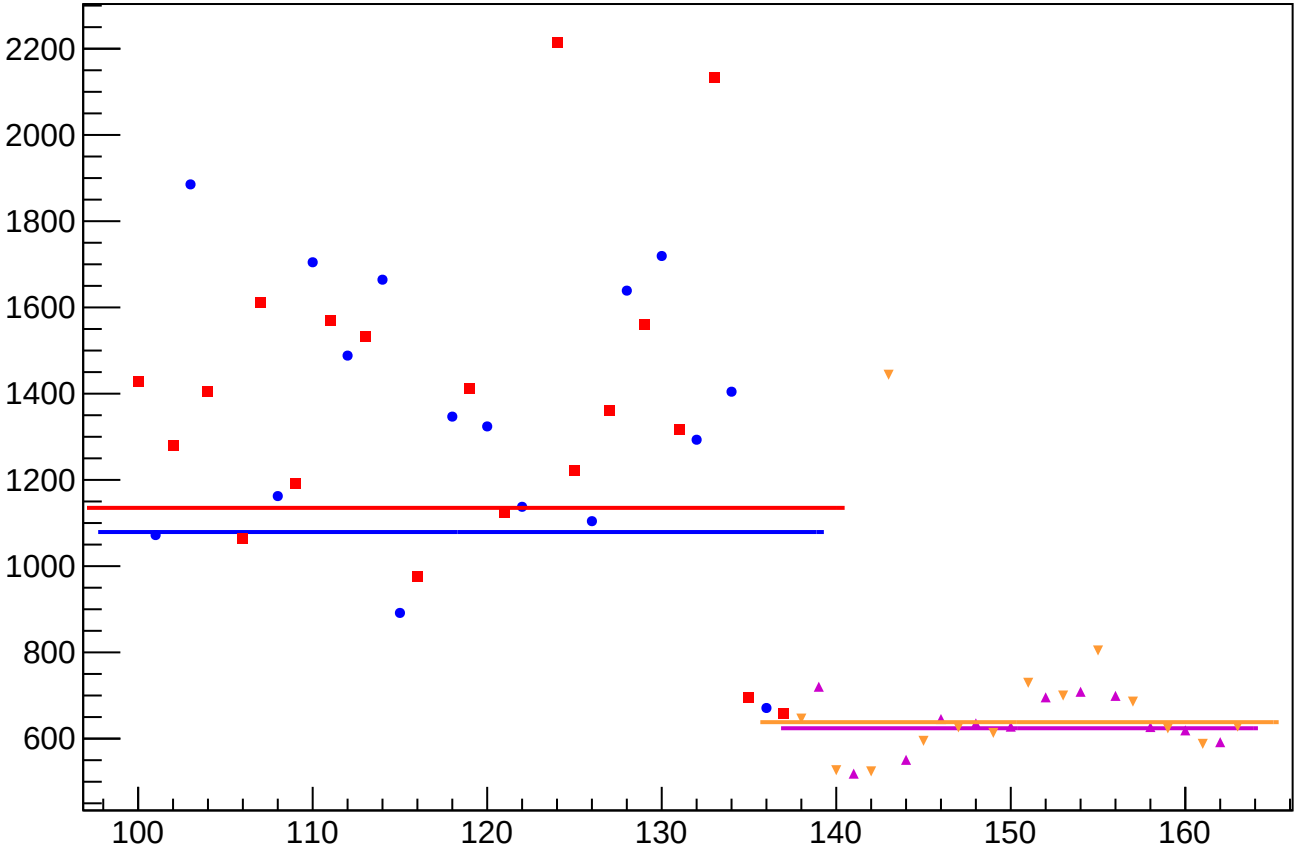
In: 1264.000+/-0.215 χ^2/NDF:535523.0/27

Out: 1278.928+/-0.212 χ^2/NDF:484438.7/32

All: 1271.574+/-0.151 χ^2/NDF: 1022412.7/60


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 867.249+/-194.533 χ²/NDF:36.9/13
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -168.684+/-195.266 χ²/NDF:7.0/11
Left: 351.229+/-137.814 χ²/NDF: 58.0/25
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: 24.239+/-177.495 χ²/NDF:32.6/27
Out: 636.965+/-177.914 χ²/NDF:62.6/32
All: 329.880+/-125.656 χ²/NDF: 101.1/60

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: 638.181+/-0.138 χ^2/NDF:763984.5/13

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 624.063+/-0.138 χ^2/NDF:203536.3/11

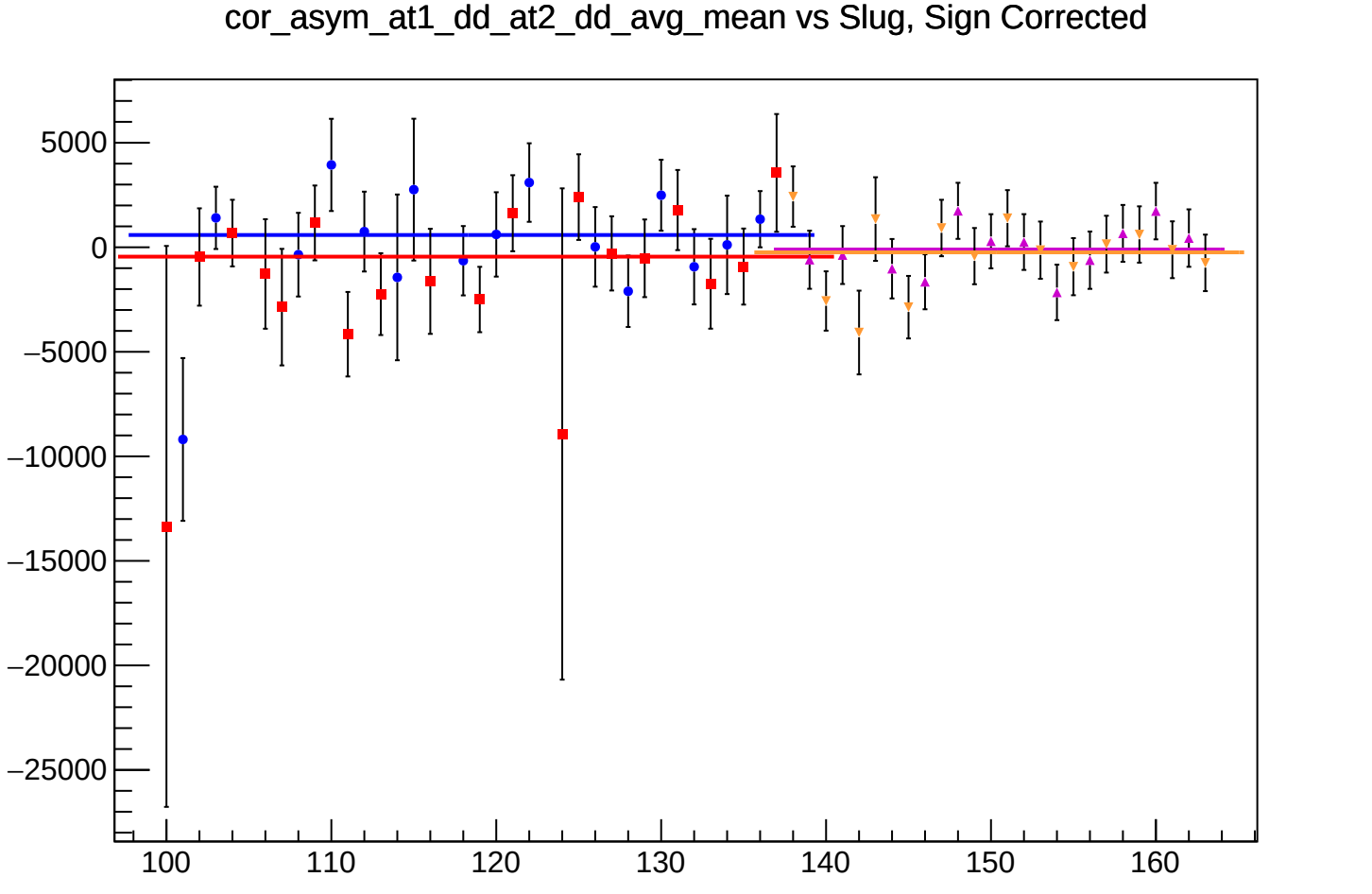
Left: 631.149+/-0.097 χ^2/NDF: 972768.1/25

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 703.122+/-0.126 χ^2/NDF:3572863.2/27

Out: 719.472+/-0.126 χ^2/NDF:4192172.6/32

All: 711.278+/-0.089 χ^2/NDF: 7773500.6/60



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -106.898+/-390.983 χ^2/NDF:8.9/11

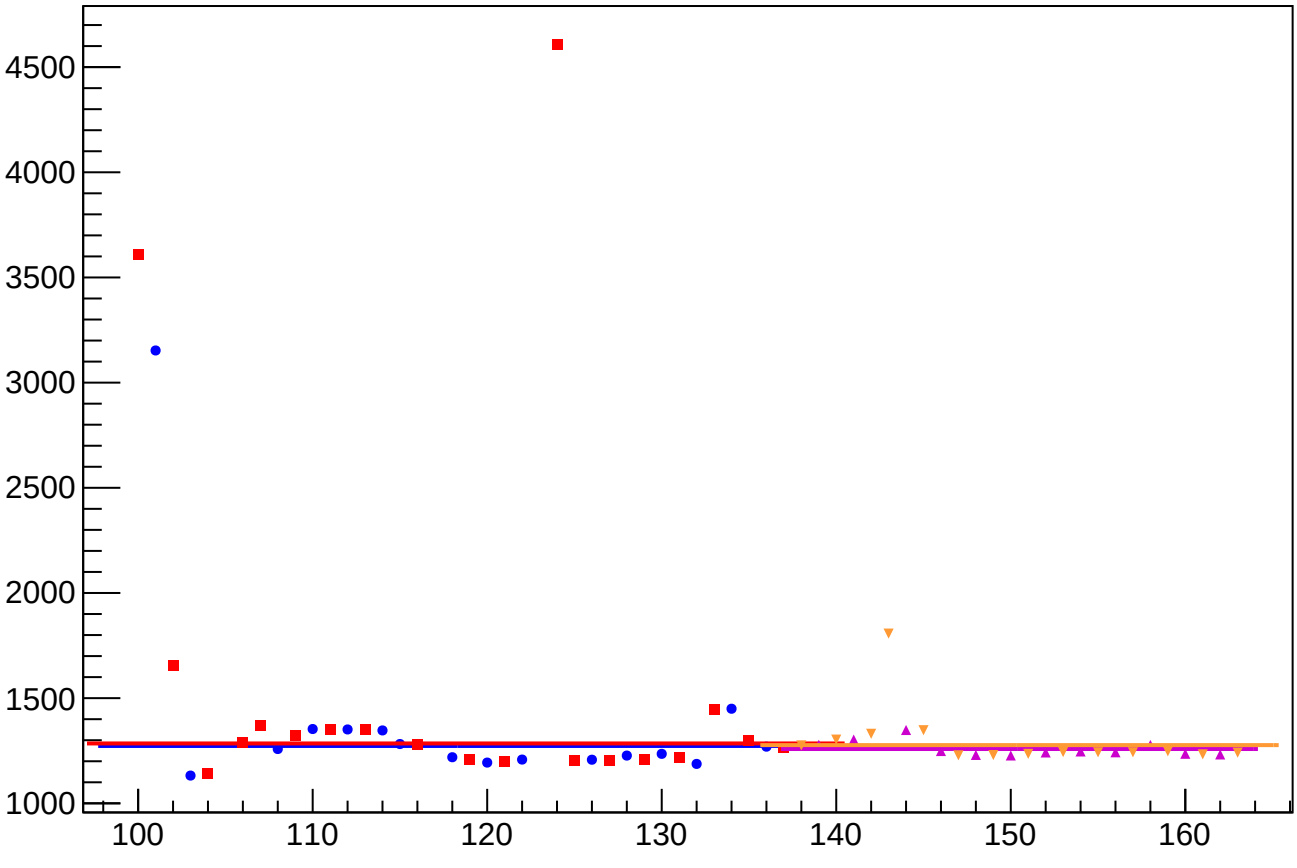
Left: -176.184+/-273.462 χ^2/NDF: 25.5/25

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 168.286+/-303.754 χ^2/NDF:27.2/27

Out: -322.256+/-299.518 χ^2/NDF:33.5/32

All: -80.429+/-213.273 χ^2/NDF: 62.0/60



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

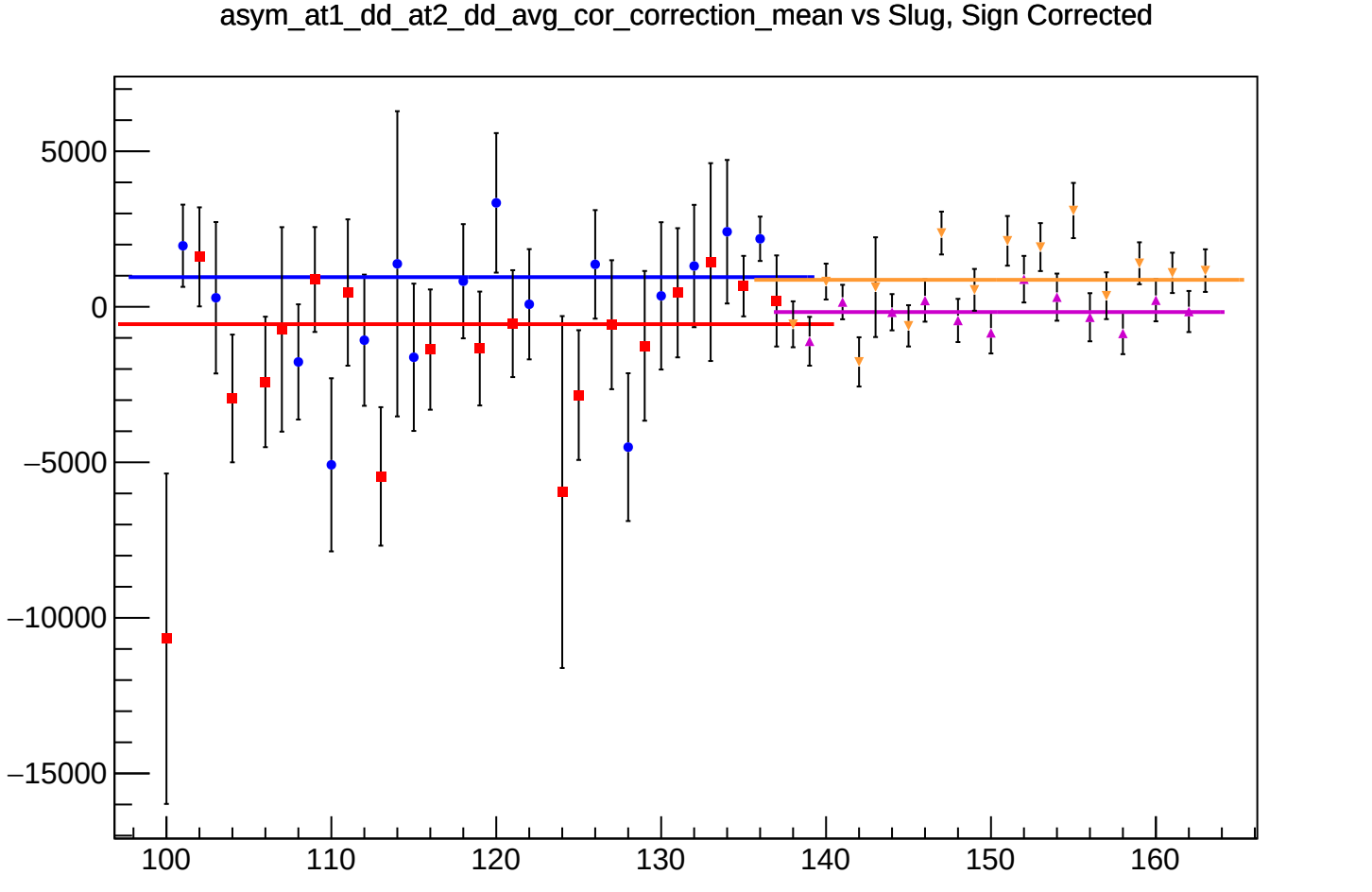
Left: 1267.683+/-0.193 χ^2/NDF: 179609.4/25

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1264.000+/-0.215 χ^2/NDF:535524.4/27

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -168.722+/-195.265 χ^2/NDF:7.0/11

Left: 351.175+/-137.814 χ^2/NDF: 58.0/25

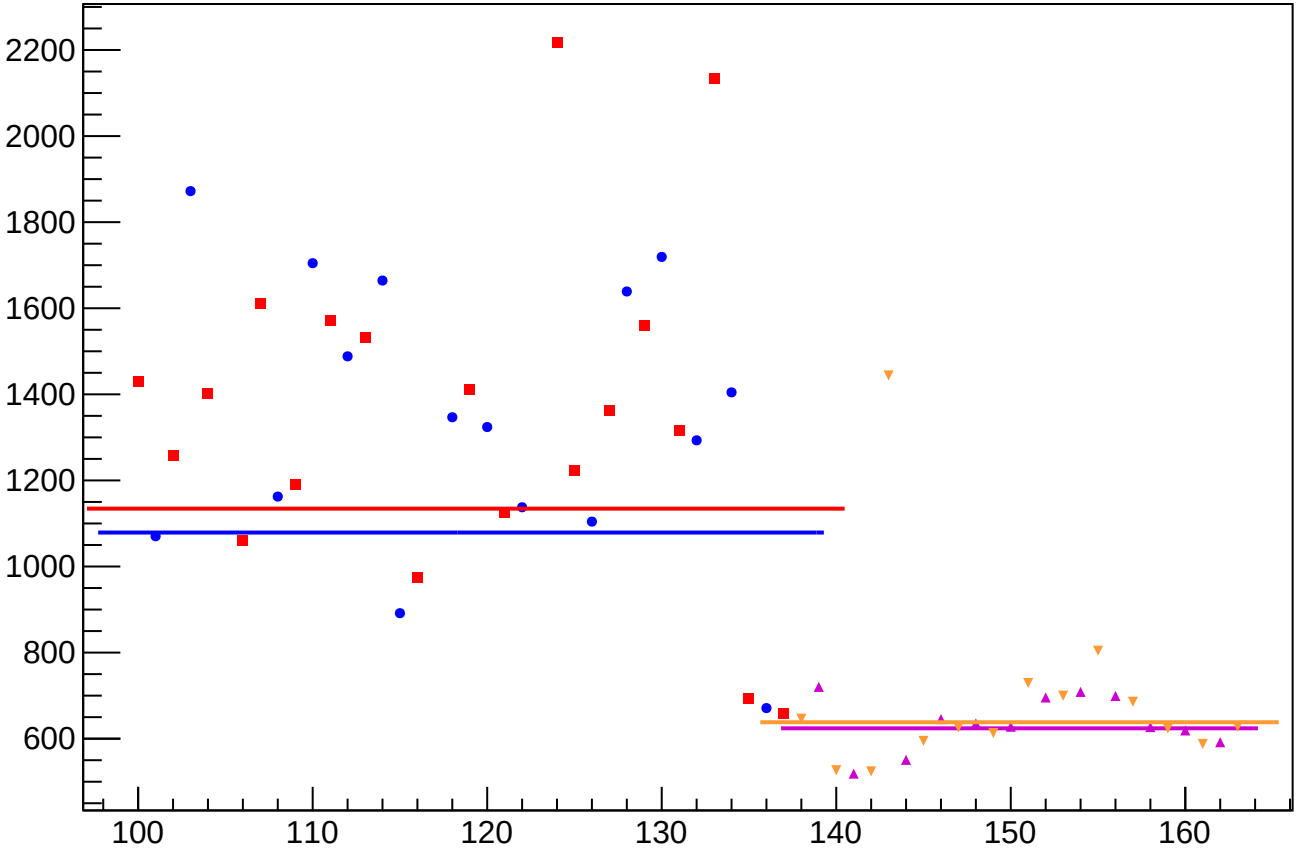
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.491+/-177.482 χ^2/NDF:32.7/27

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 329.826+/-125.671 χ^2/NDF: 102.5/60

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: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

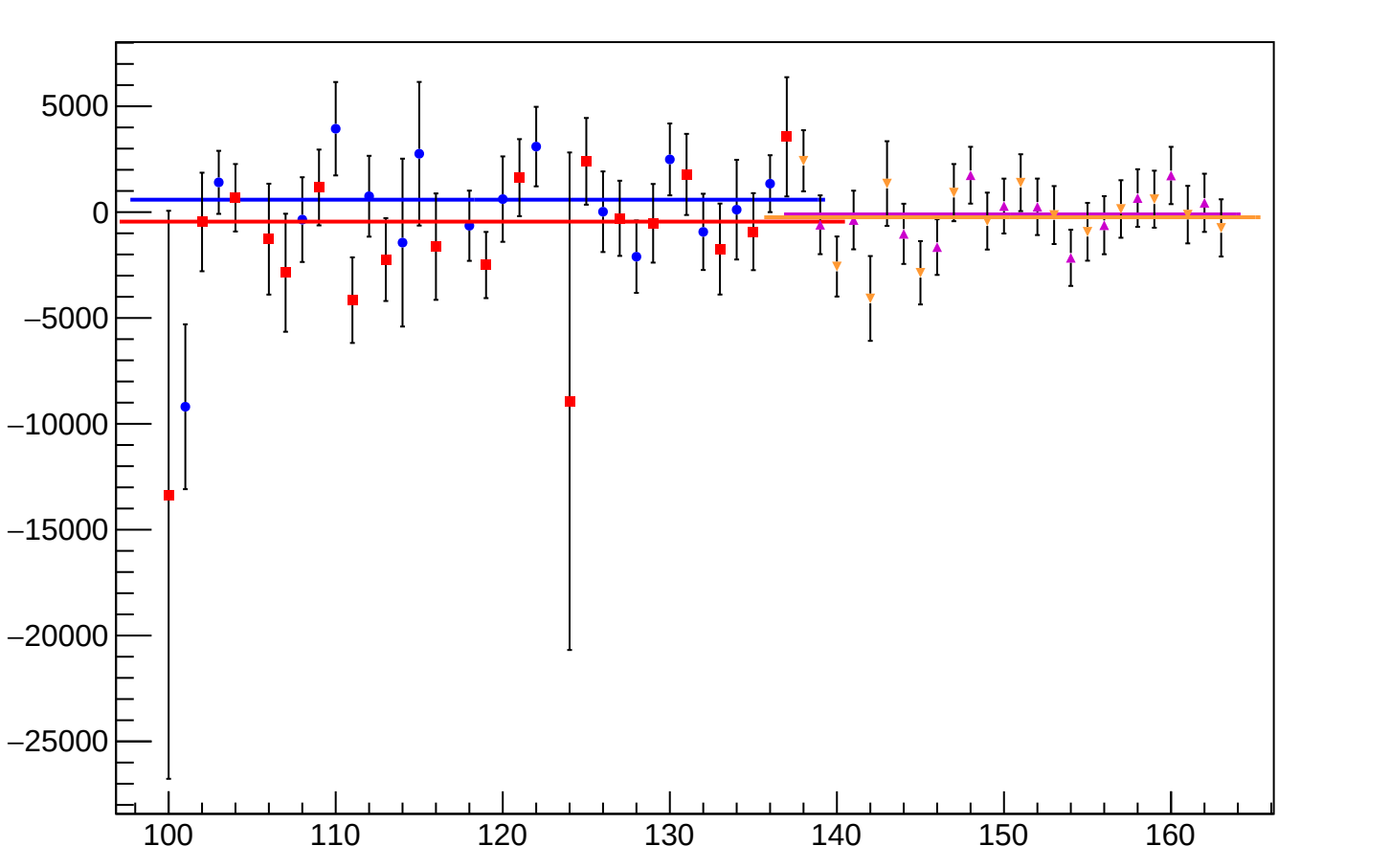
Left: 631.149+/-0.097 χ^2/NDF: 972712.1/25

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 703.141+/-0.125 χ^2/NDF:3569135.8/27

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -242.538+/-382.621 χ^2/NDF:16.6/13

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -106.898+/-390.983 χ^2/NDF:8.9/11

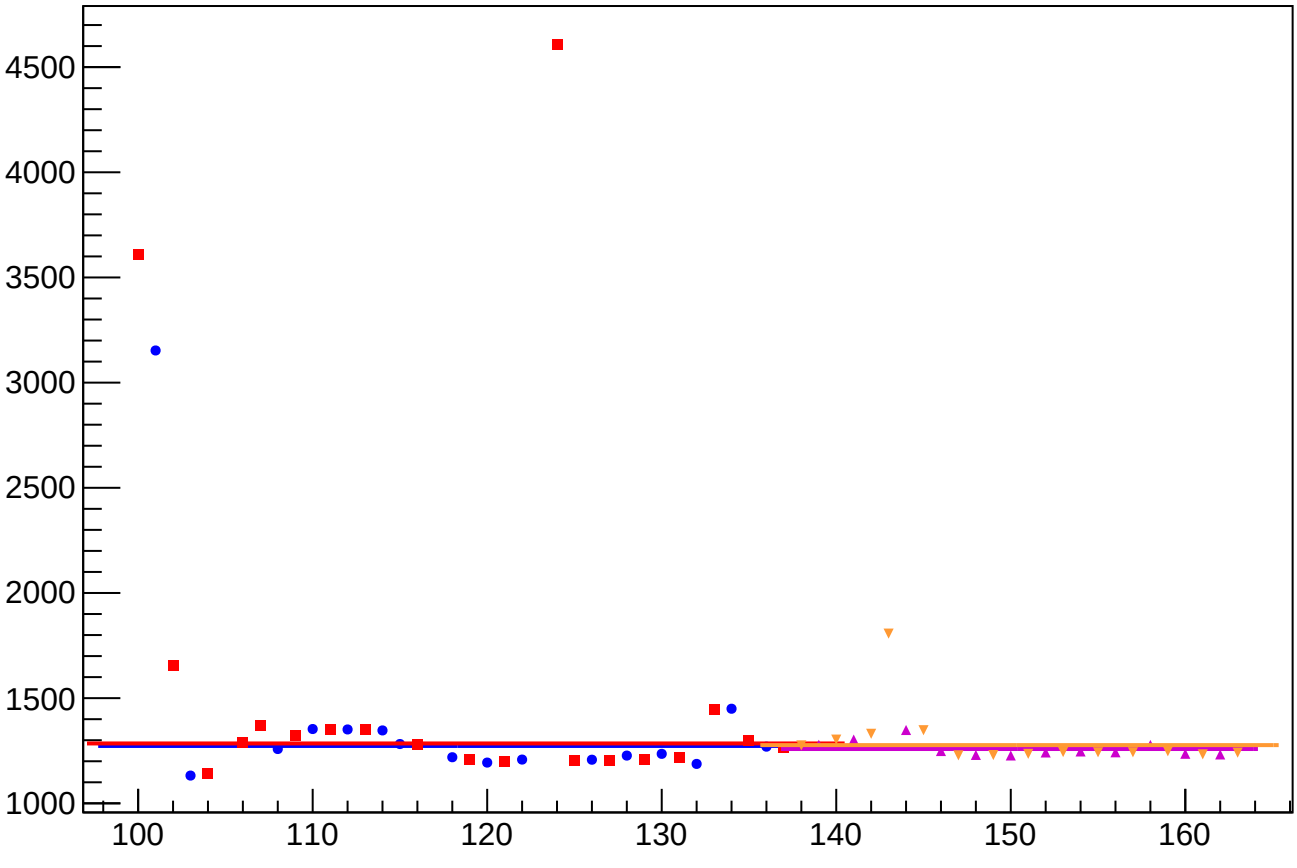
Left: -176.184+/-273.462 χ^2/NDF: 25.5/25

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 168.286+/-303.754 χ^2/NDF:27.2/27

Out: -322.256+/-299.518 χ^2/NDF:33.5/32

All: -80.429+/-213.273 χ^2/NDF: 62.0/60



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1276.749+/-0.271 χ^2/NDF:162192.9/13

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1258.217+/-0.276 χ^2/NDF:15121.2/11

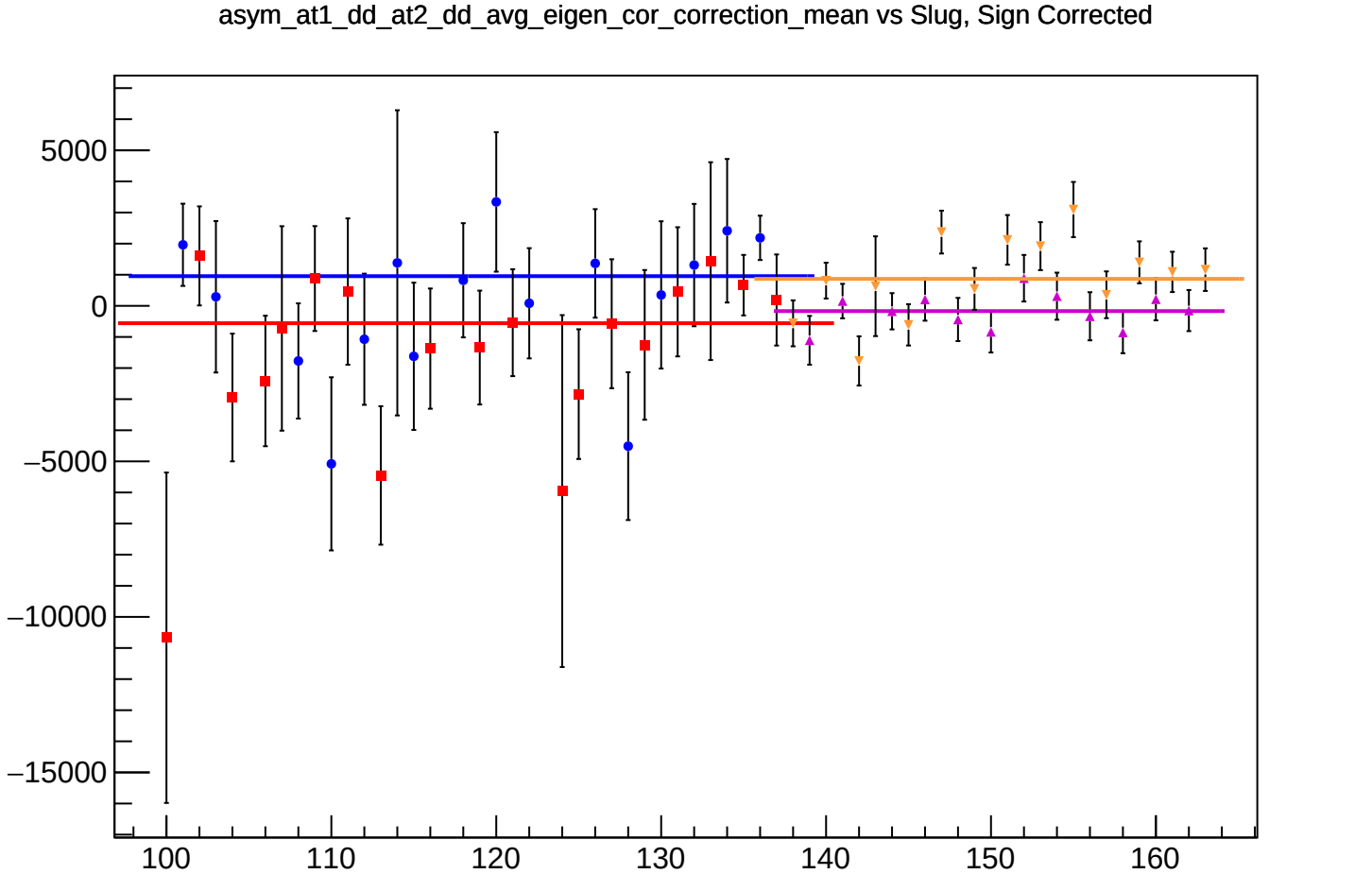
Left: 1267.683+/-0.193 χ^2/NDF: 179609.4/25

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1264.000+/-0.215 χ^2/NDF:535524.4/27

Out: 1279.810+/-0.212 χ^2/NDF:491258.4/32

All: 1272.016+/-0.151 χ^2/NDF: 1029530.2/60



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 867.188+/-194.534 χ^2/NDF:36.9/13

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -168.722+/-195.265 χ^2/NDF:7.0/11

Left: 351.175+/-137.814 χ^2/NDF: 58.0/25

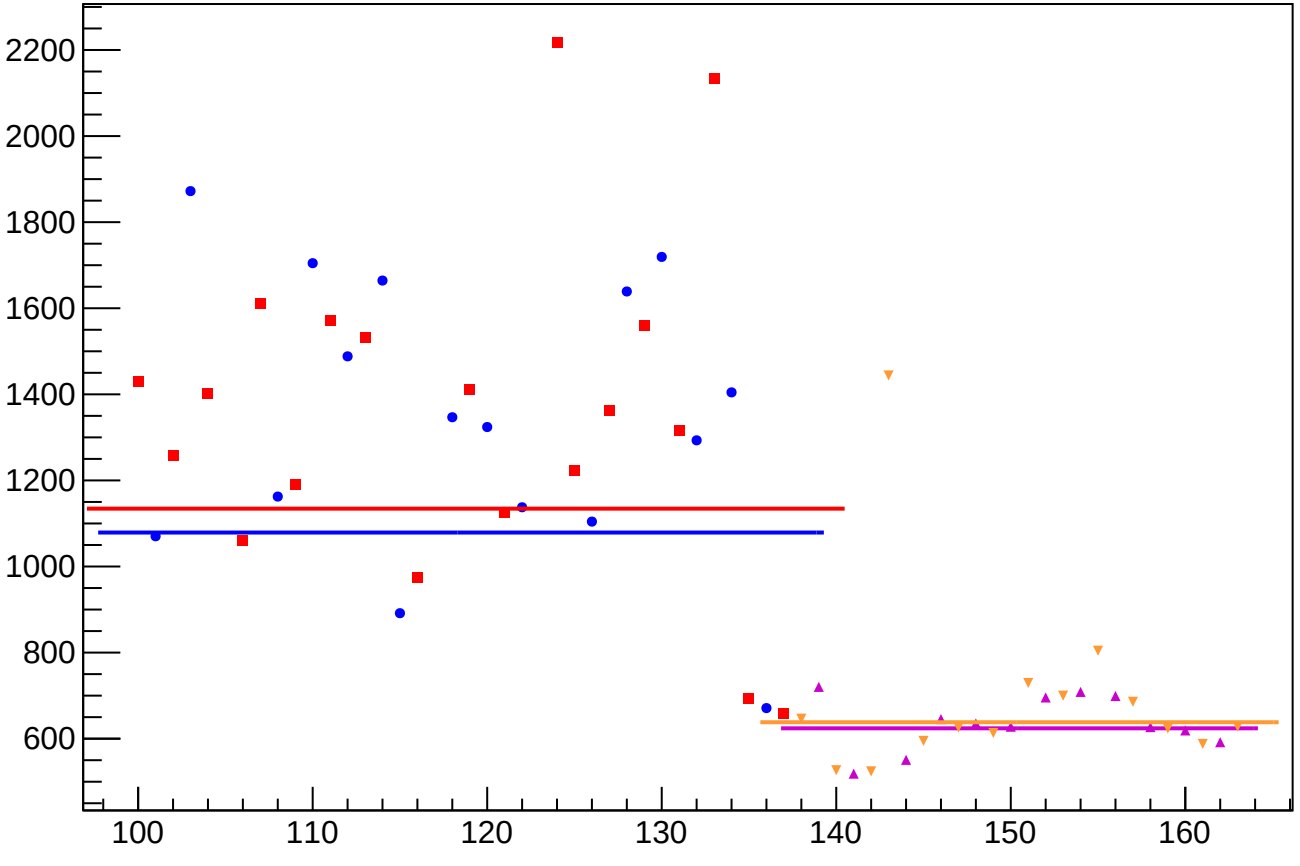
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 26.491+/-177.482 χ^2/NDF:32.7/27

Out: 634.834+/-177.971 χ^2/NDF:64.0/32

All: 329.826+/-125.671 χ^2/NDF: 102.5/60

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 638.186+/-0.138 χ^2/NDF:763899.5/13

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 624.060+/-0.138 χ^2/NDF:203560.0/11

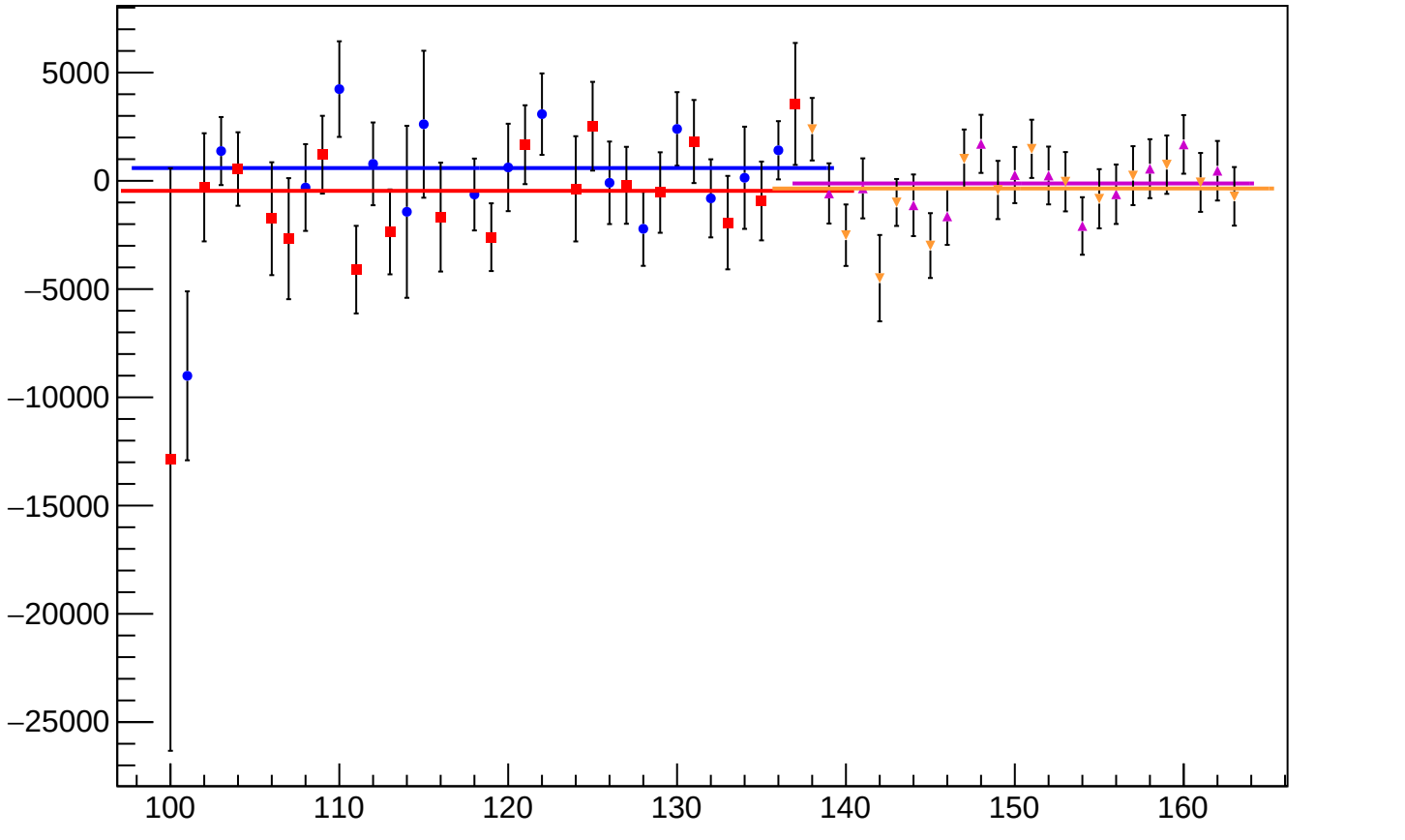
Left: 631.149+/-0.097 χ^2/NDF: 972712.1/25

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 703.141+/-0.125 χ^2/NDF:3569135.8/27

Out: 719.093+/-0.126 χ^2/NDF:4174682.5/32

All: 711.095+/-0.089 χ^2/NDF: 7751875.0/60



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.490+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -120.664+/-391.327 χ^2/NDF:8.5/11

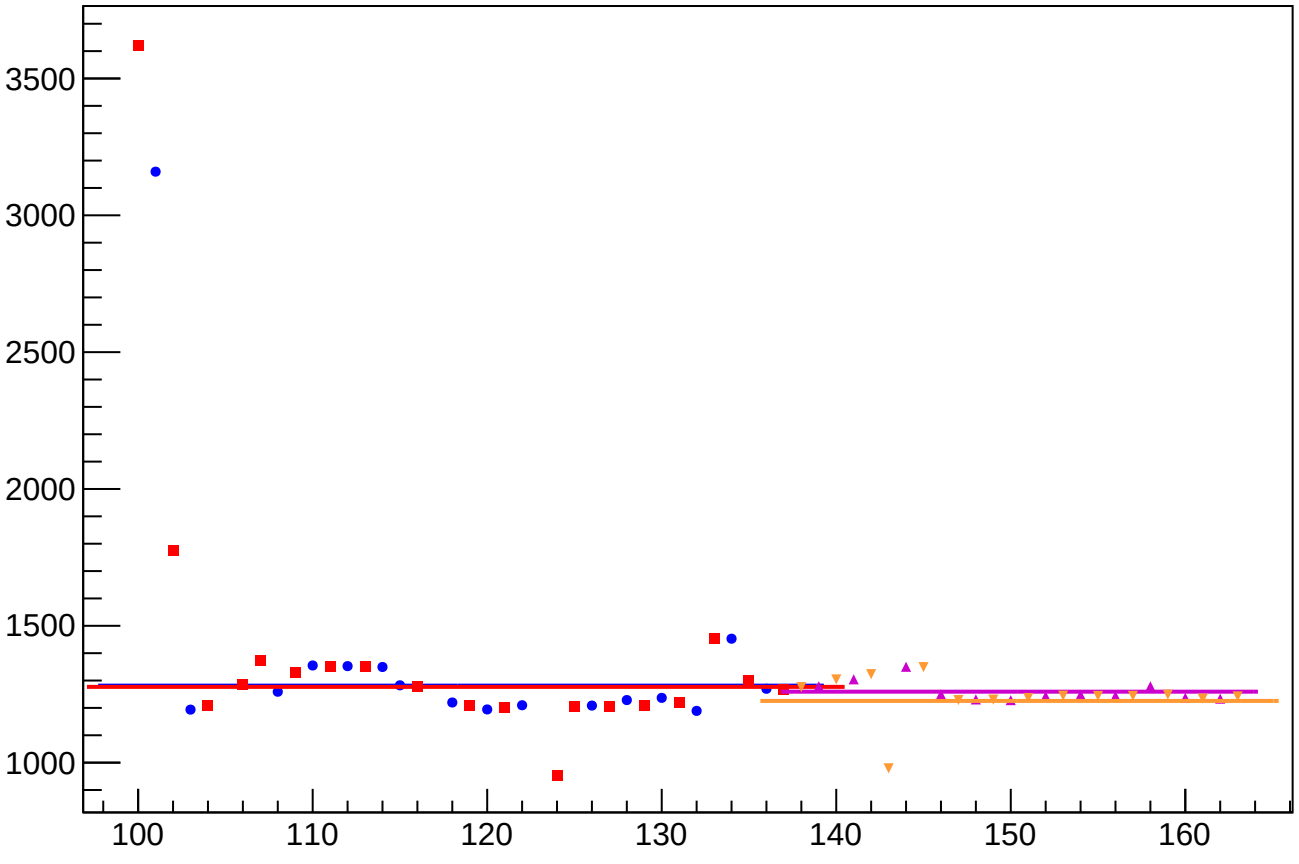
Left: -245.057+/-267.711 χ^2/NDF: 26.4/25

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 159.350+/-304.673 χ^2/NDF:26.9/27

Out: -394.719+/-290.844 χ^2/NDF:34.4/32

All: -130.544+/-210.377 χ^2/NDF: 63.1/60



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1225.528+/-0.260 χ^2/NDF:132461.8/13

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1259.319+/-0.277 χ^2/NDF:15207.8/11

Left: 1241.342+/-0.189 χ^2/NDF: 155602.8/25

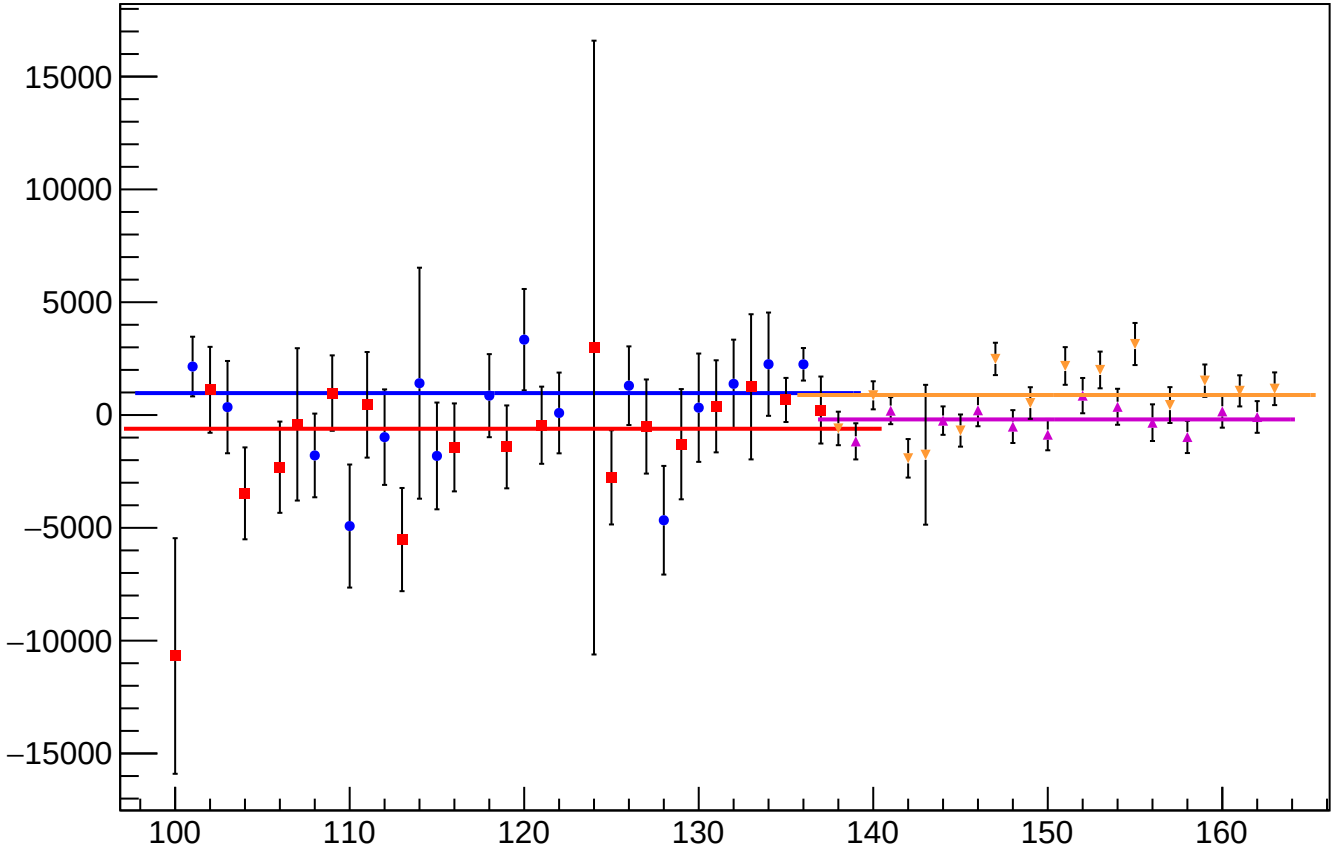
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1268.003+/-0.215 χ^2/NDF:524787.1/27

Out: 1244.629+/-0.206 χ^2/NDF:367531.3/32

All: 1255.773+/-0.149 χ^2/NDF: 898477.4/60

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: 887.464+/-206.504 χ^2/NDF:37.1/13

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -194.513+/-206.522 χ^2/NDF:7.2/11

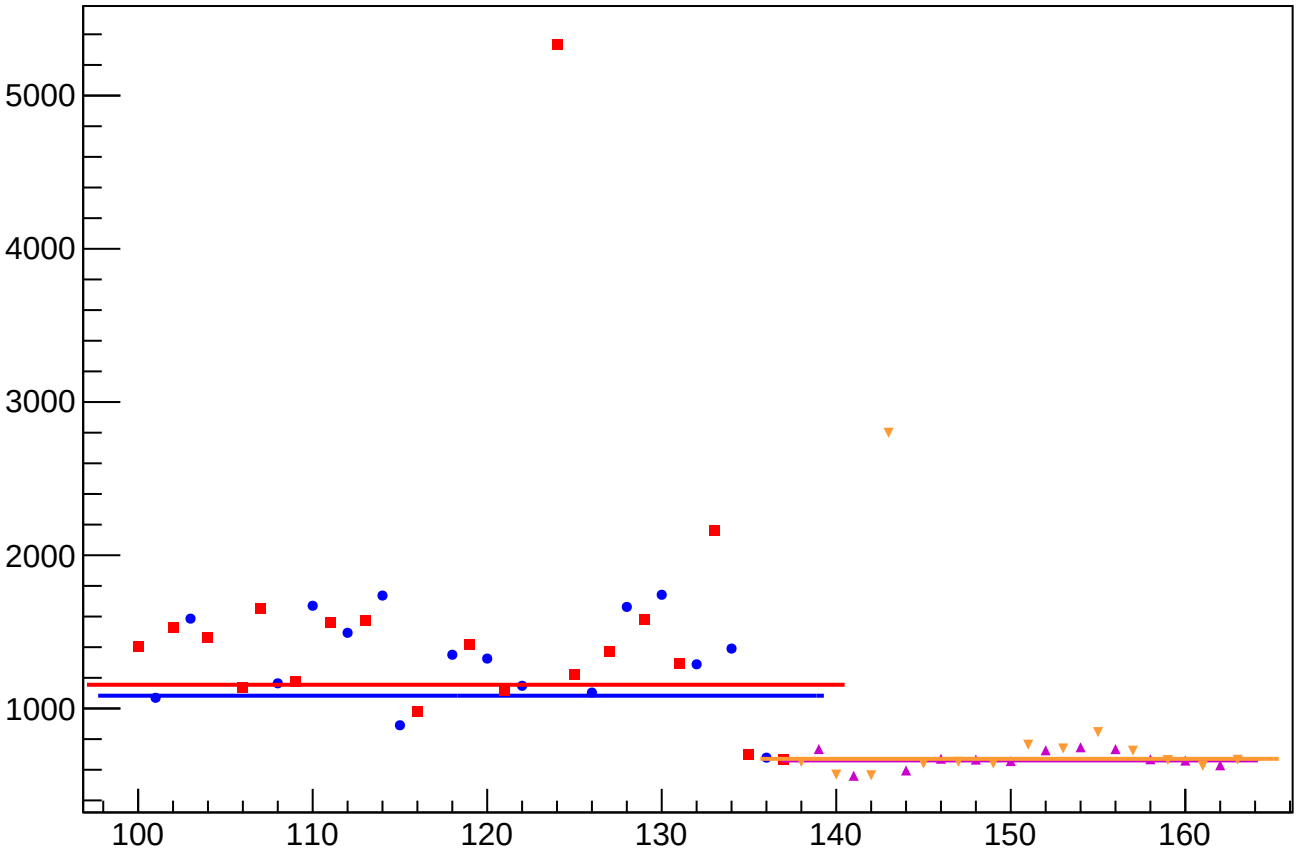
Left: 346.522+/-146.027 χ^2/NDF: 57.9/25

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 28.189+/-185.771 χ^2/NDF:33.7/27

Out: 625.068+/-187.520 χ^2/NDF:63.4/32

All: 323.832+/-131.974 χ^2/NDF: 102.2/60



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 671.408+/-0.146 χ^2/NDF:1166584.2/13

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 661.023+/-0.146 χ^2/NDF:153484.8/11

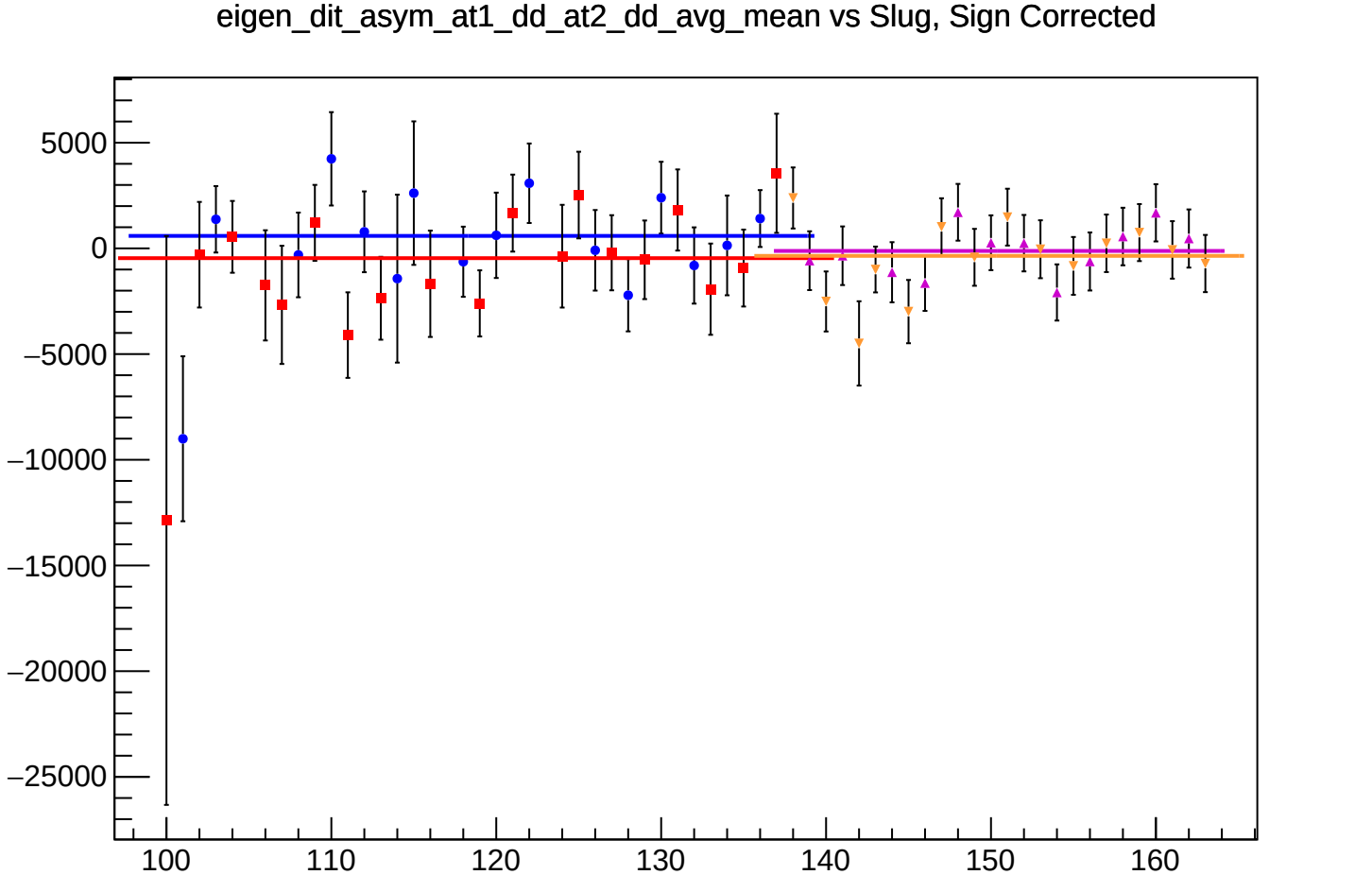
Left: 666.216+/-0.103 χ^2/NDF: 1322597.8/25

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 741.628+/-0.131 χ^2/NDF:3109853.0/27

Out: 756.187+/-0.133 χ^2/NDF:4576609.4/32

All: 748.839+/-0.093 χ^2/NDF: 7692546.5/60



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -354.493+/-367.040 χ^2/NDF:17.7/13

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -120.664+/-391.327 χ^2/NDF:8.5/11

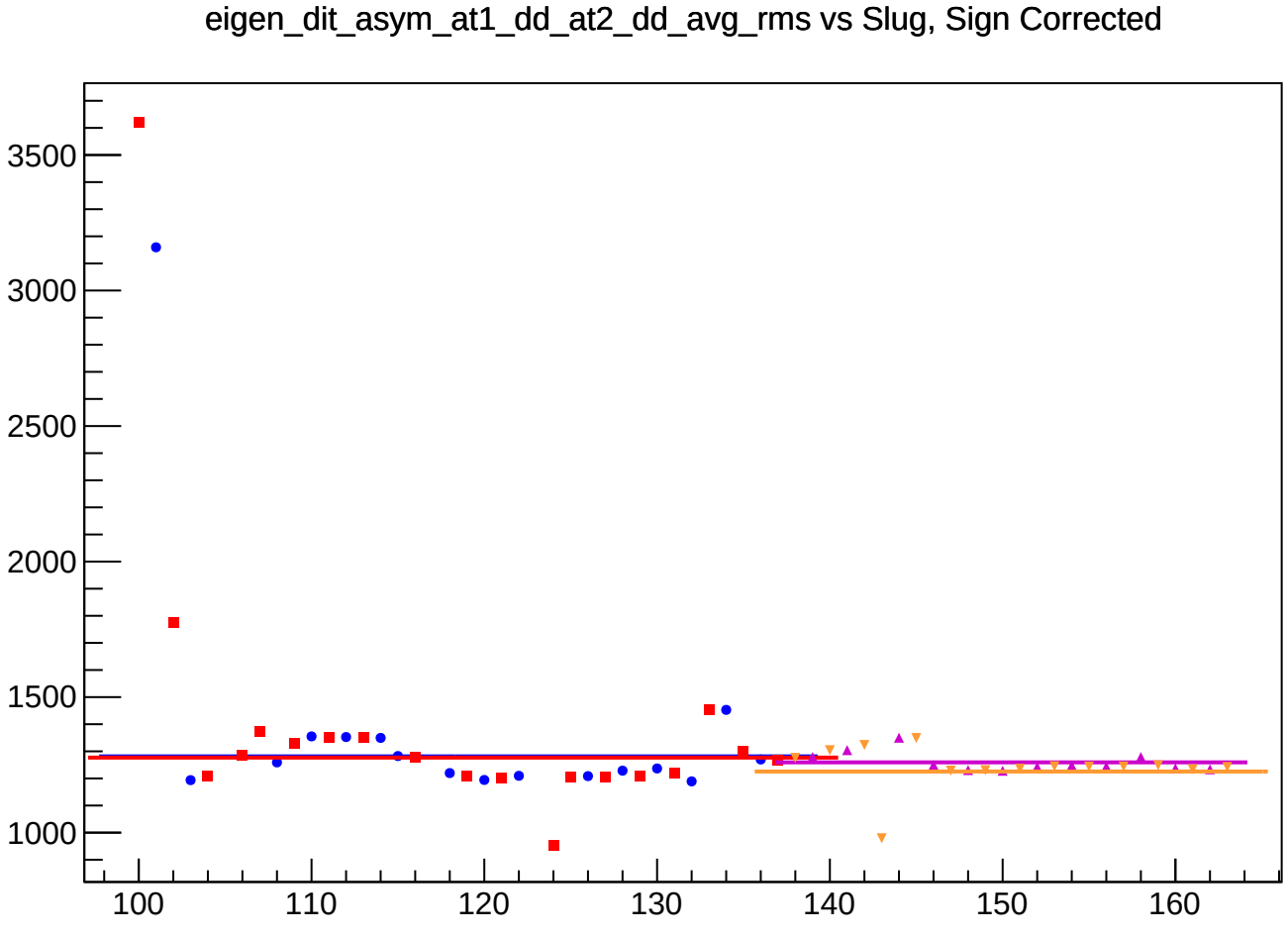
Left: -245.059+/-267.711 χ^2/NDF: 26.4/25

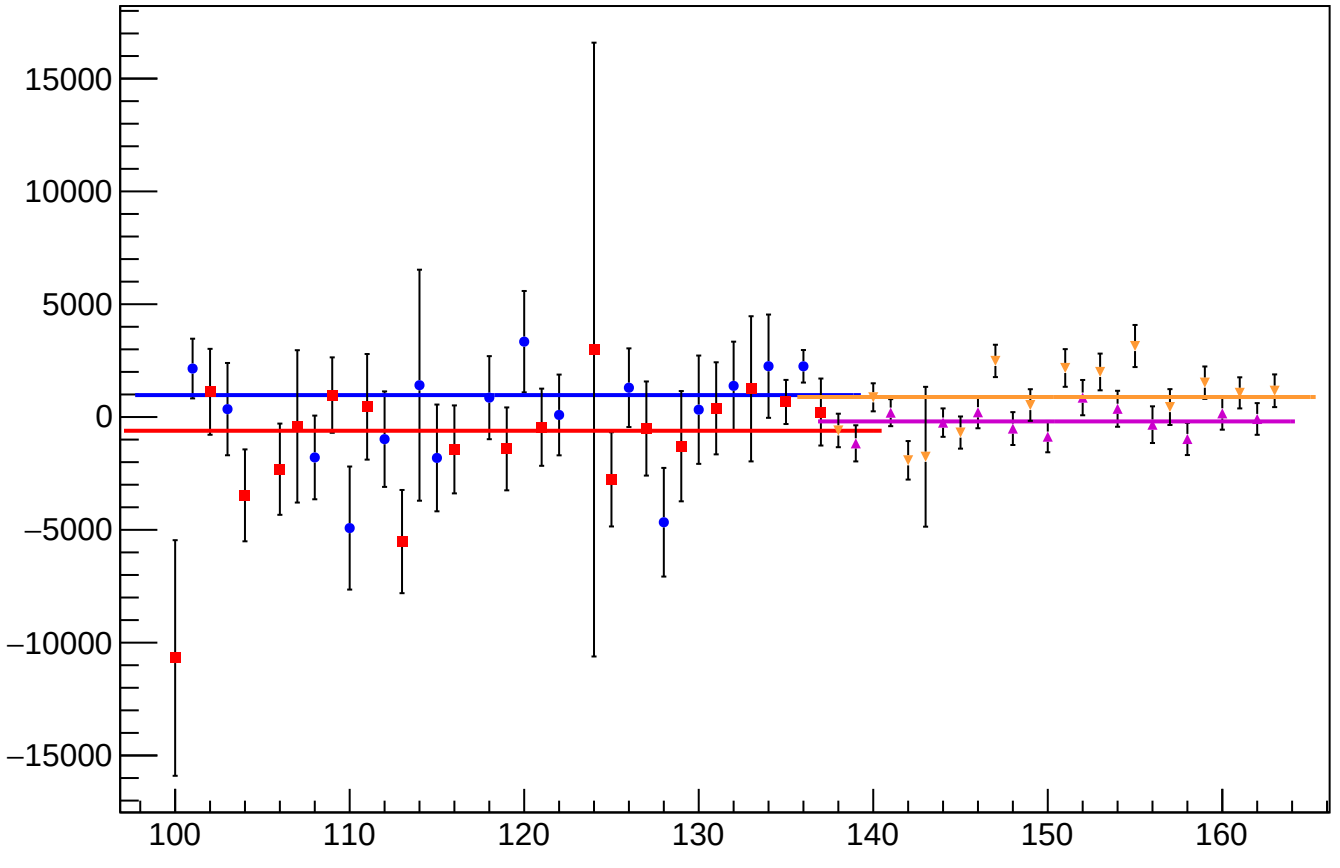
Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 159.351+/-304.673 χ^2/NDF:26.9/27

Out: -394.721+/-290.844 χ^2/NDF:34.4/32

All: -130.544+/-210.377 χ^2/NDF: 63.1/60


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
Right In: 1281.369+/-0.343 χ²/NDF: 507078.6/15
Left Out: 1225.528+/-0.260 χ²/NDF:132461.0/13
Right Out: 1276.860+/-0.337 χ²/NDF: 220513.5/18
Left In: 1259.319+/-0.277 χ²/NDF:15207.9/11
Left: 1241.342+/-0.189 χ²/NDF: 155602.0/25
Right: 1279.074+/-0.241 χ²/NDF: 727679.9/34
In: 1268.003+/-0.215 χ²/NDF:524787.3/27
Out: 1244.629+/-0.206 χ²/NDF:367530.3/32
All: 1255.773+/-0.149 χ²/NDF: 898476.5/60



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 887.466+/-206.504 χ^2/NDF:37.1/13

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -194.512+/-206.522 χ^2/NDF:7.2/11

Left: 346.524+/-146.027 χ^2/NDF: 57.9/25

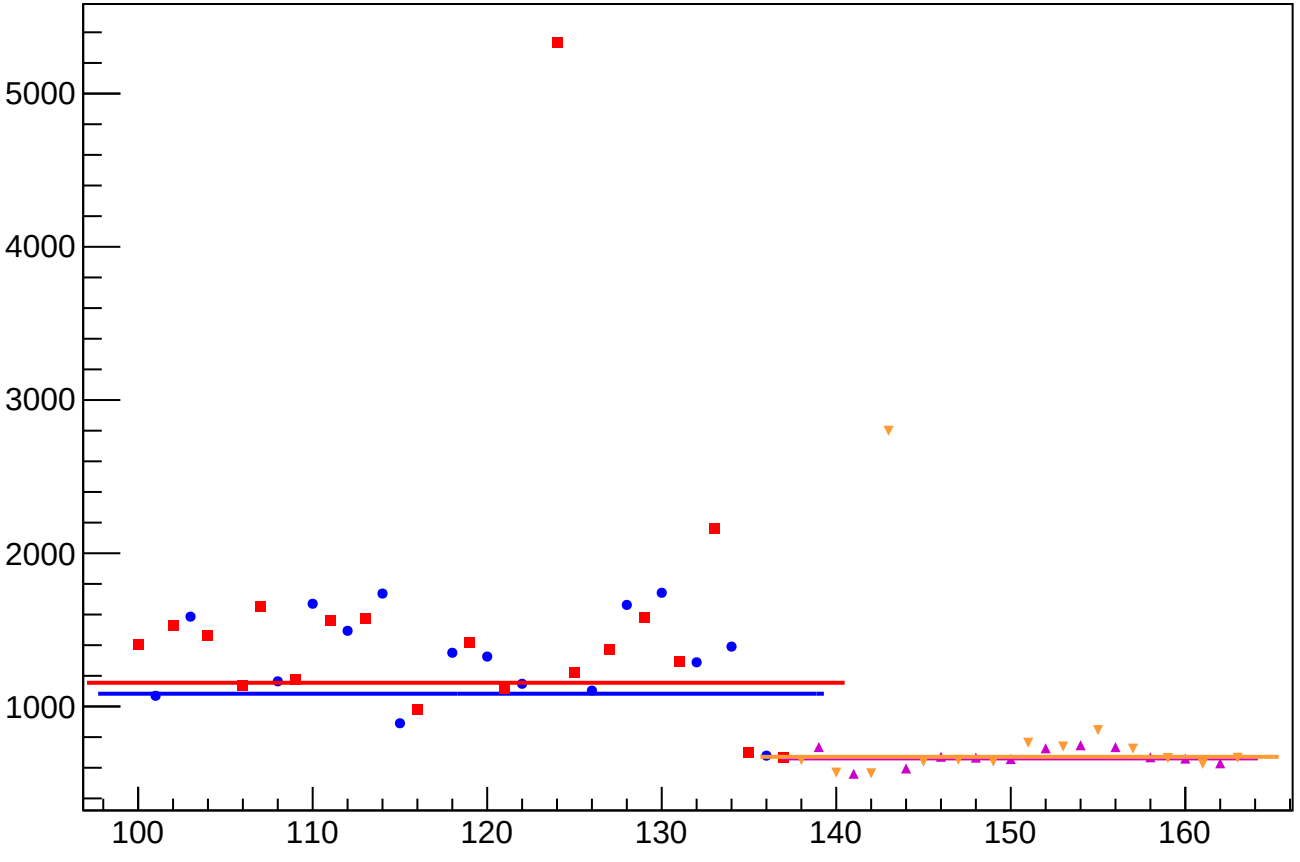
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 28.188+/-185.771 χ^2/NDF:33.7/27

Out: 625.070+/-187.520 χ^2/NDF:63.4/32

All: 323.831+/-131.974 χ^2/NDF: 102.2/60

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 671.409+/-0.146 χ^2/NDF:1166578.7/13

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 661.023+/-0.146 χ^2/NDF:153488.5/11

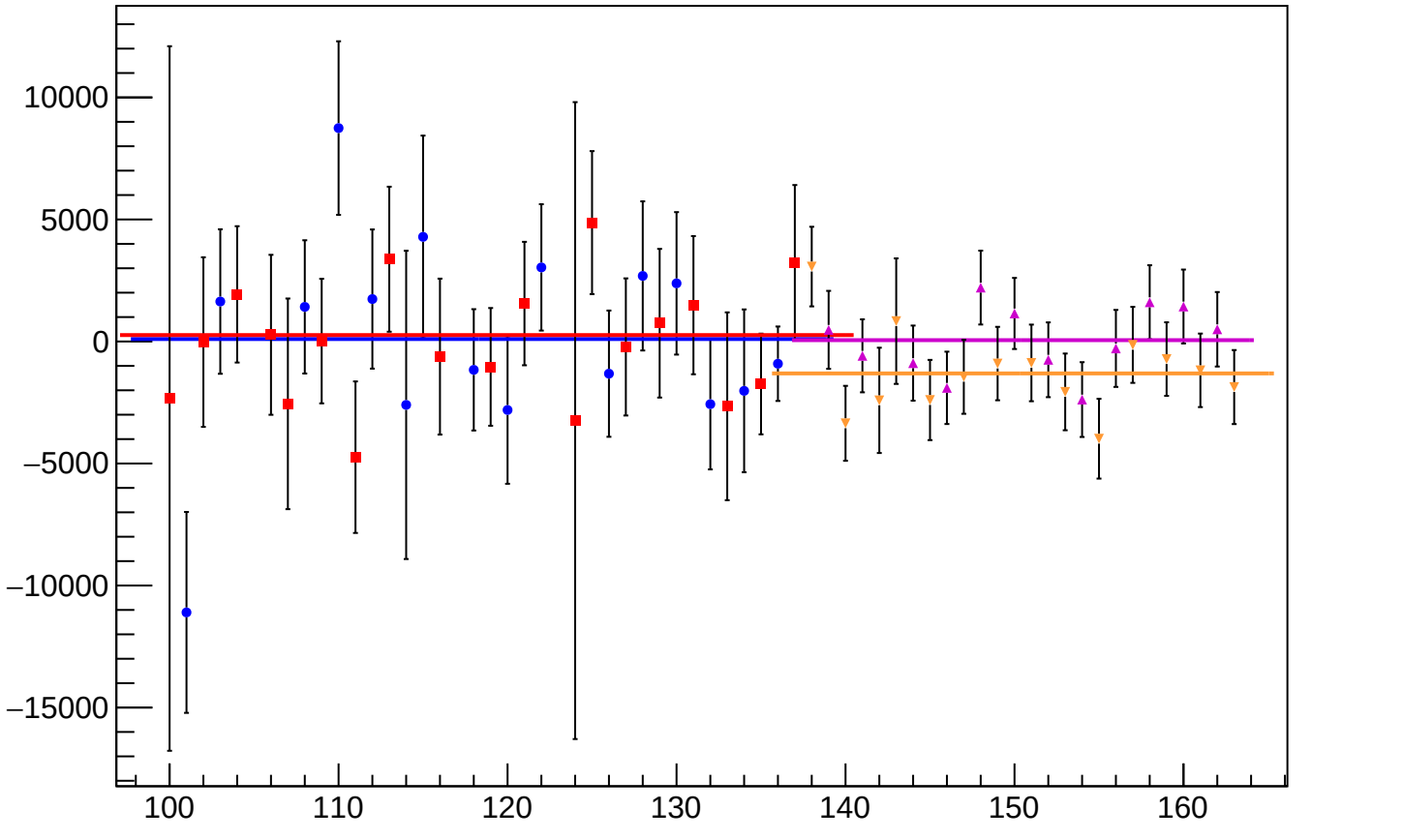
Left: 666.216+/-0.103 χ^2/NDF: 1322596.3/25

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 741.629+/-0.131 χ^2/NDF:3109839.5/27

Out: 756.188+/-0.133 χ^2/NDF:4576591.5/32

All: 748.840+/-0.093 χ^2/NDF: 7692515.6/60



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1308.541+/-433.341 χ^2/NDF:14.3/13

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 54.404+/-439.479 χ^2/NDF:9.8/11

Left: -636.653+/-308.565 χ^2/NDF: 28.9/25

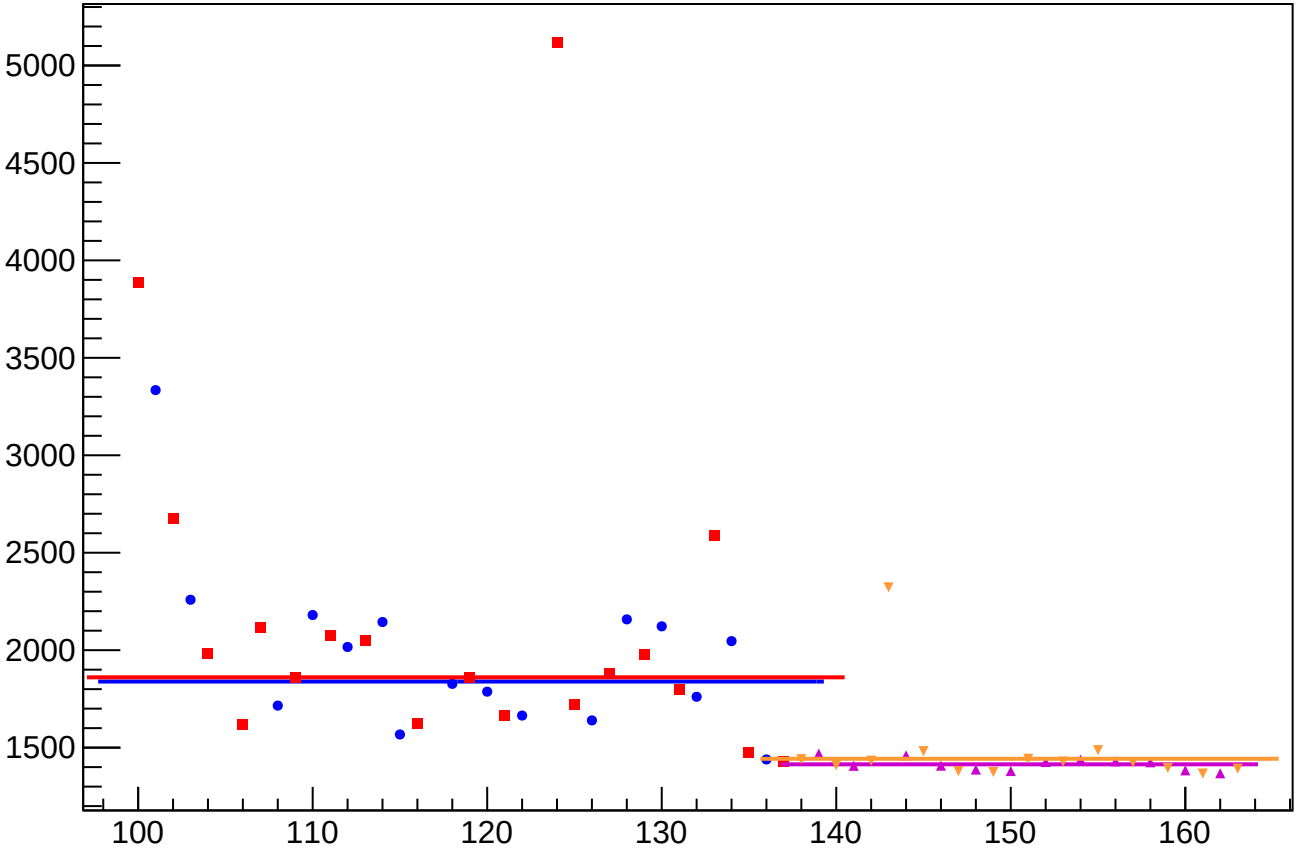
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 67.450+/-372.050 χ^2/NDF:31.1/27

Out: -872.963+/-368.412 χ^2/NDF:28.3/32

All: -407.377+/-261.784 χ^2/NDF: 62.6/60

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1442.794+/-0.306 χ^2/NDF:254731.9/13

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1414.340+/-0.311 χ^2/NDF:9546.8/11

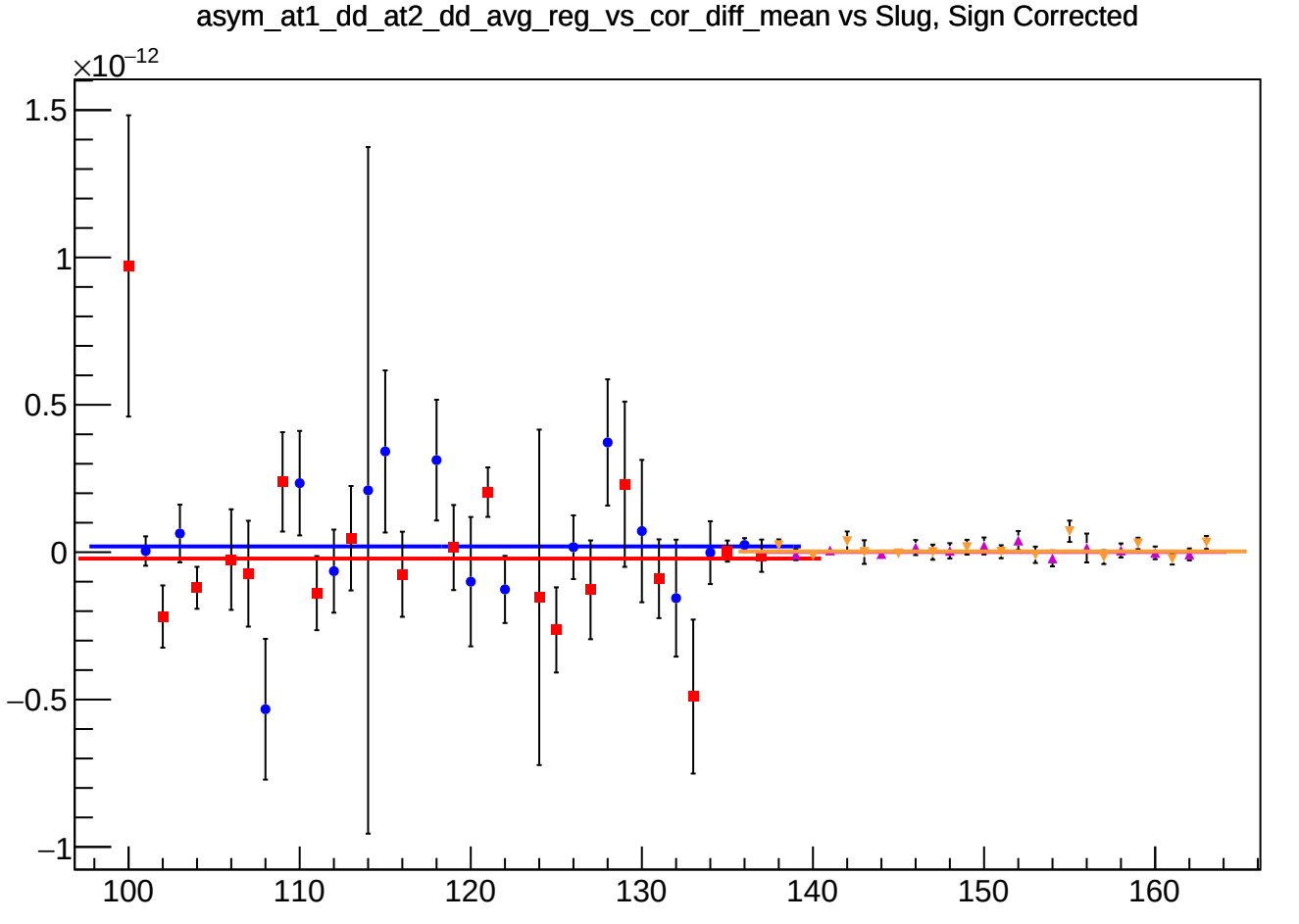
Left: 1428.767+/-0.218 χ^2/NDF: 268529.5/25

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1534.685+/-0.263 χ^2/NDF:1095619.4/27

Out: 1558.660+/-0.261 χ^2/NDF:1292624.2/32

All: 1546.790+/-0.185 χ^2/NDF: 2392436.9/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/11

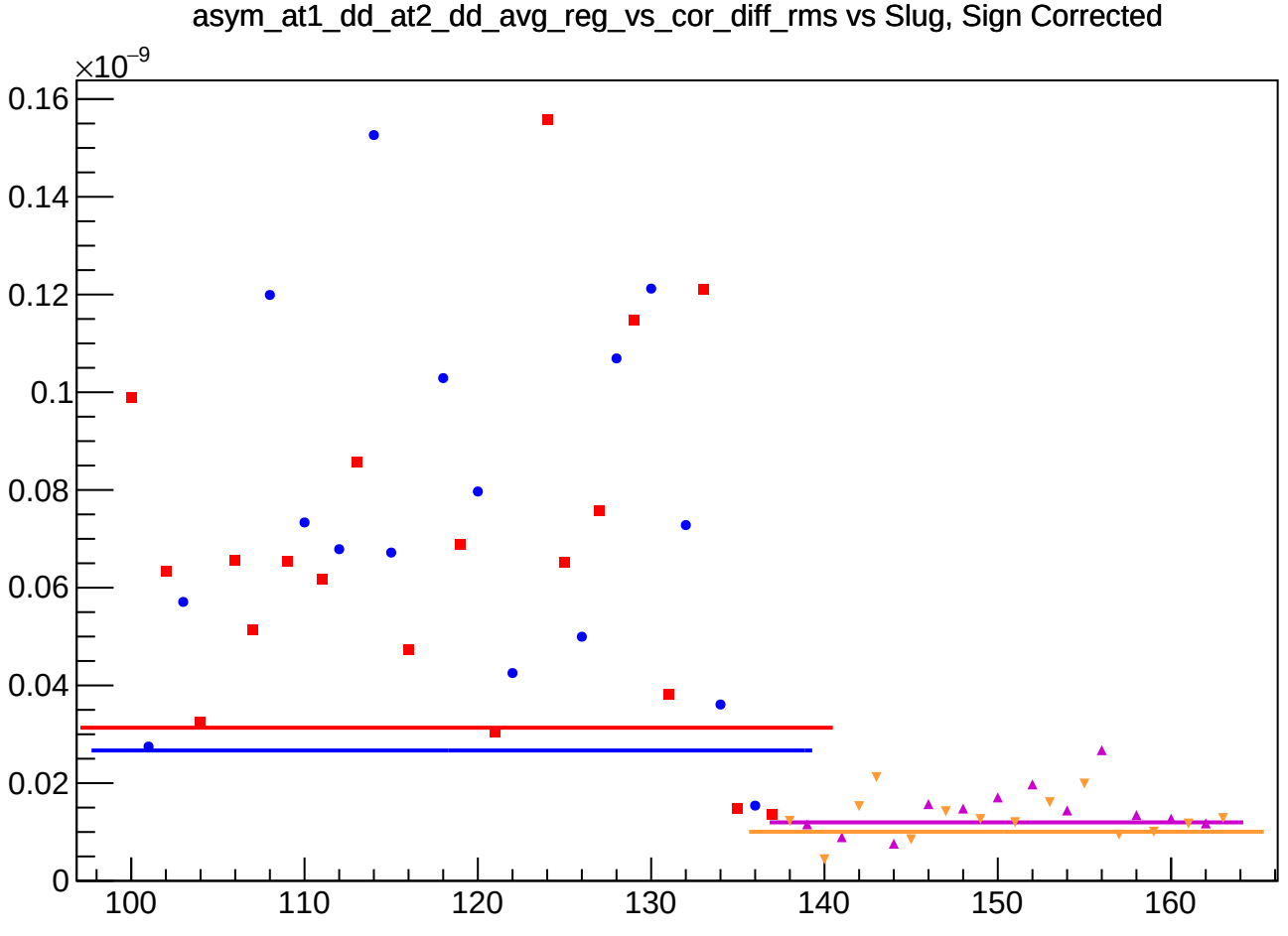
Left: 0.000+/-0.000 χ^2/NDF: 18.6/25

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:21.2/27

Out: 0.000+/-0.000 χ^2/NDF:44.0/32

All: 0.000+/-0.000 χ^2/NDF: 65.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1192092.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:740427.5/11

Left: 0.000+/-0.000 χ^2/NDF: 2039171.7/25

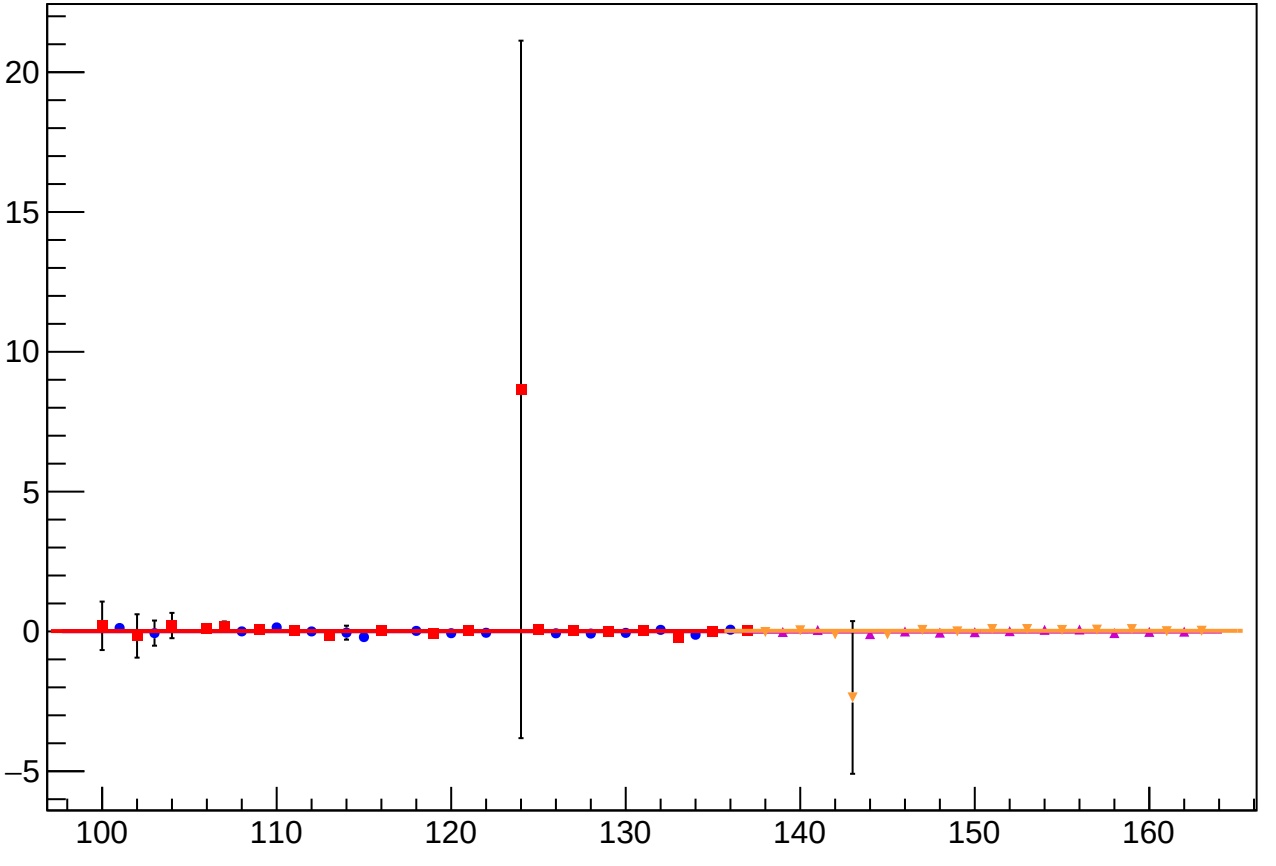
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4423573.2/27

Out: 0.000+/-0.000 χ^2/NDF:5188140.2/32

All: 0.000+/-0.000 χ^2/NDF: 9761342.1/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

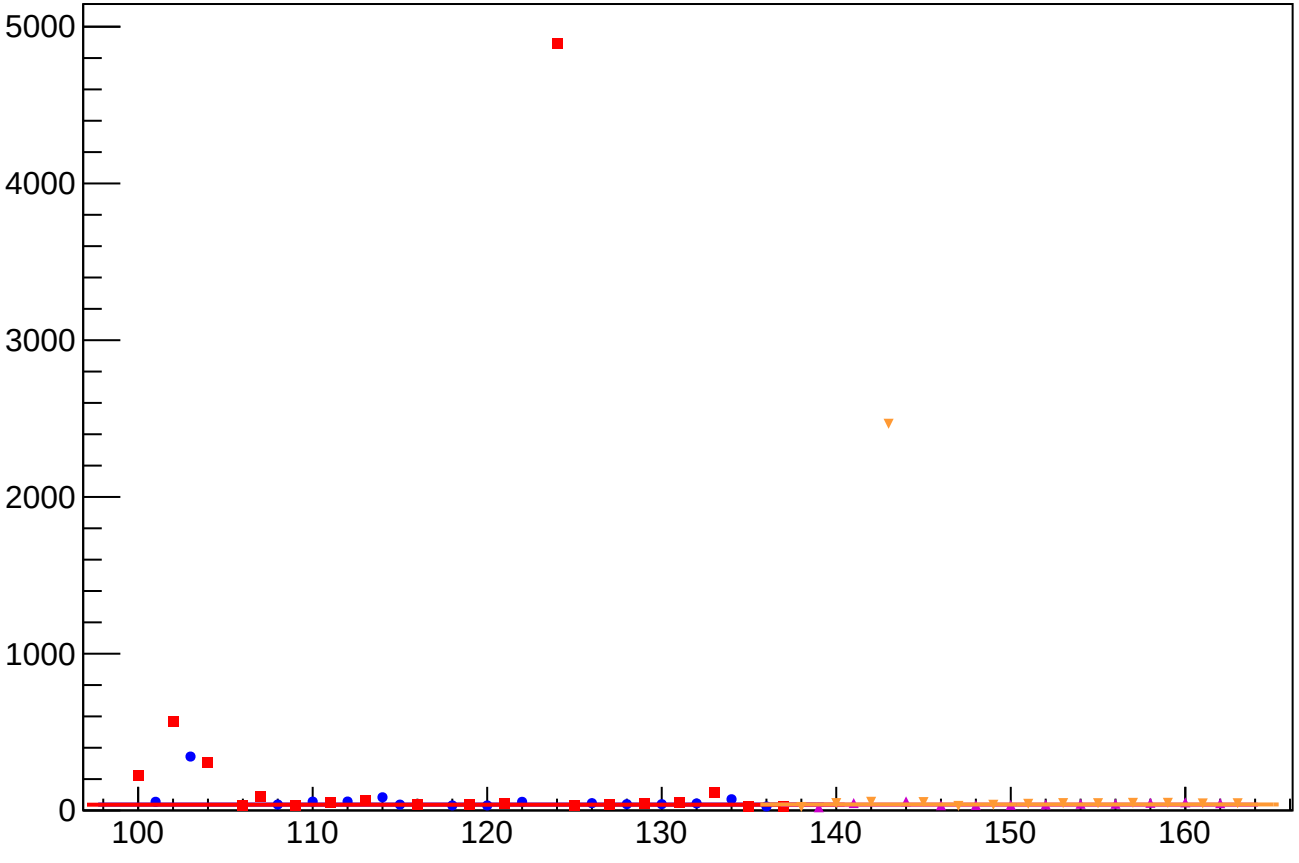
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

Left: 37.595+/-0.006 χ^2/NDF: 4372421.6/25

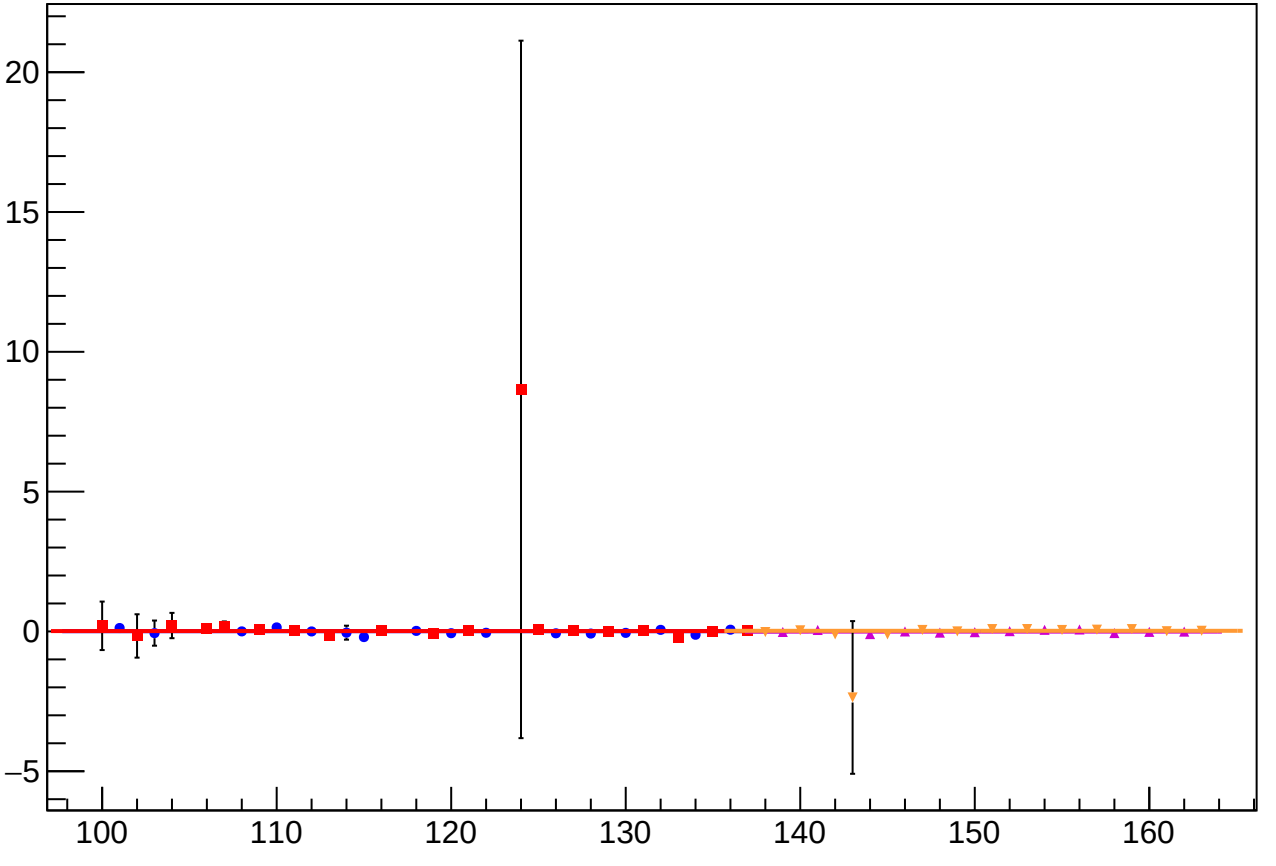
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.151+/-0.007 χ^2/NDF:3391998.4/27

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

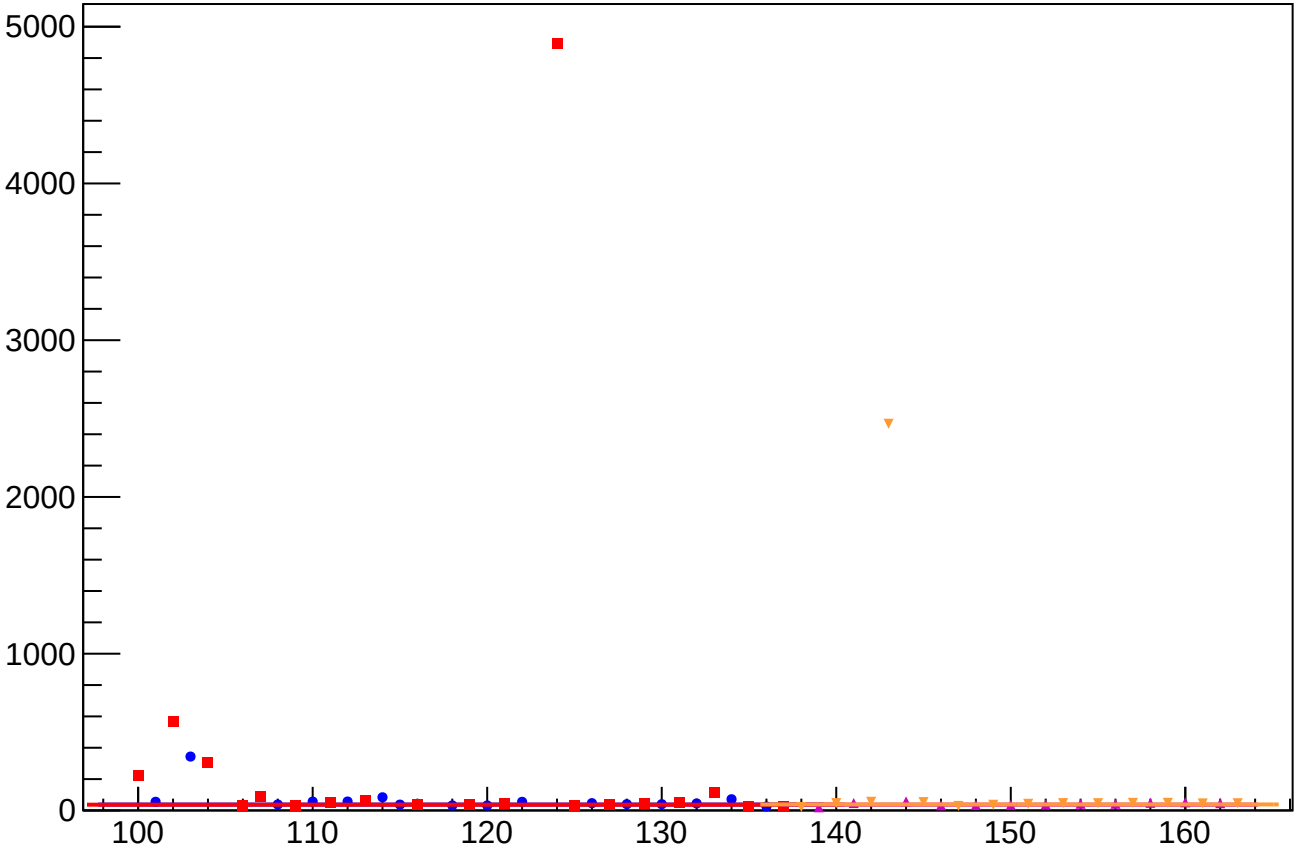
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.280+/-0.009 χ^2/NDF:2954203.2/13

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 36.938+/-0.009 χ^2/NDF:1407245.8/11

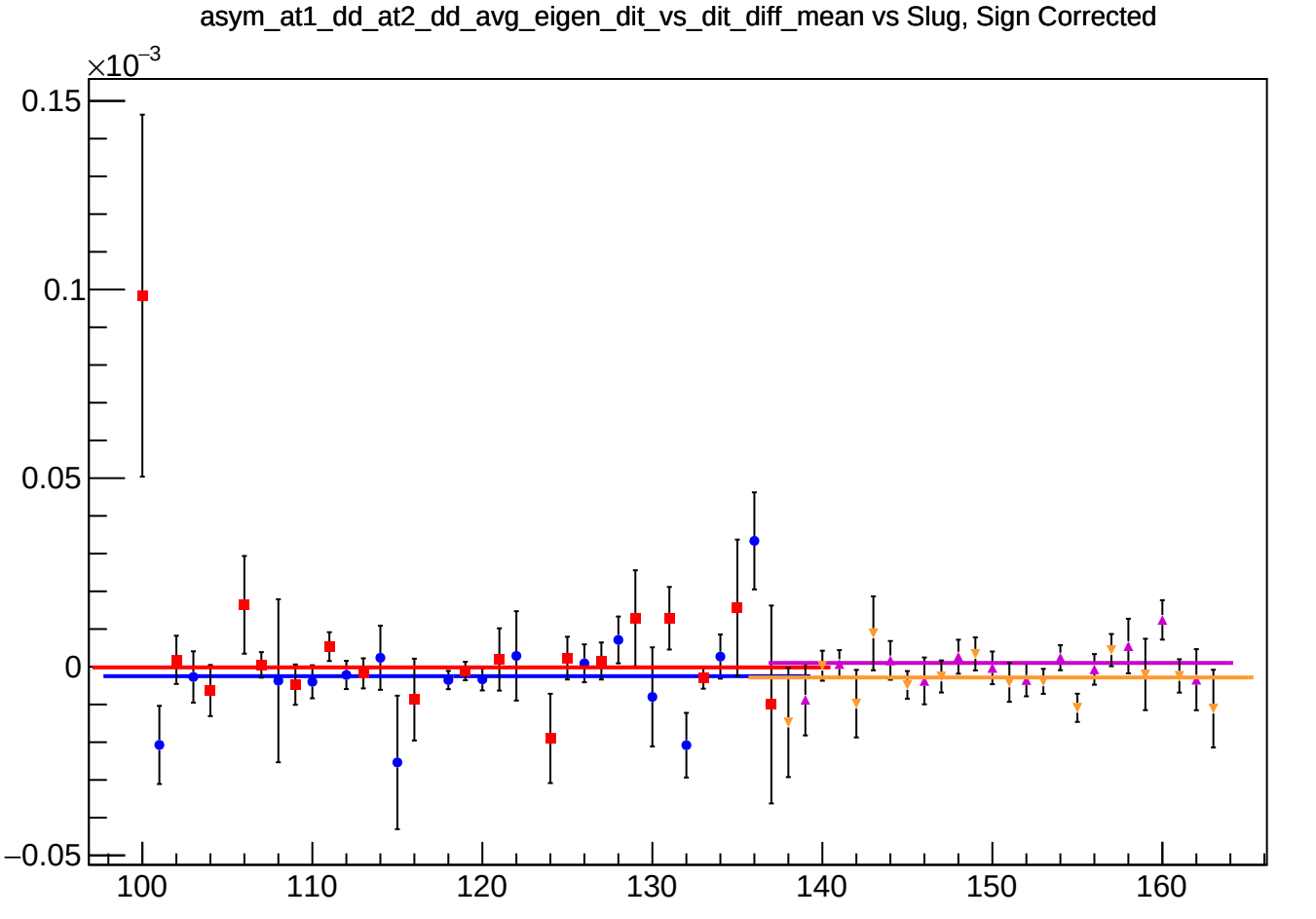
Left: 37.595+/-0.006 χ^2/NDF: 4372421.6/25

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 37.151+/-0.007 χ^2/NDF:3391998.4/27

Out: 37.709+/-0.007 χ^2/NDF:6155217.4/32

All: 37.423+/-0.005 χ^2/NDF: 9550271.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/11

Left: -0.000+/-0.000 χ^2/NDF: 26.9/25

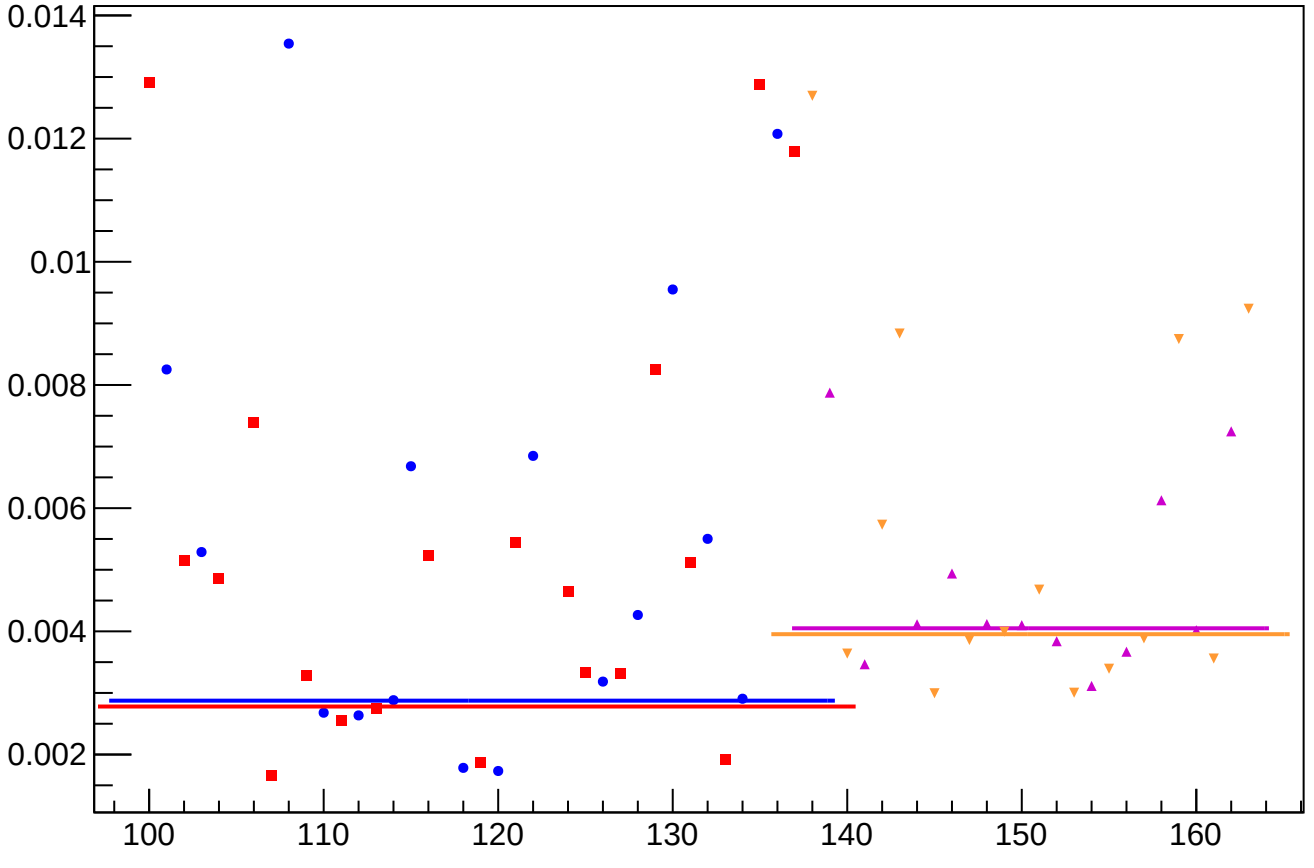
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:34.1/27

Out: -0.000+/-0.000 χ^2/NDF:35.2/32

All: -0.000+/-0.000 χ^2/NDF: 69.4/60

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:2757880.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1077290.4/11

Left: 0.004+/-0.000 χ^2/NDF: 3840312.3/25

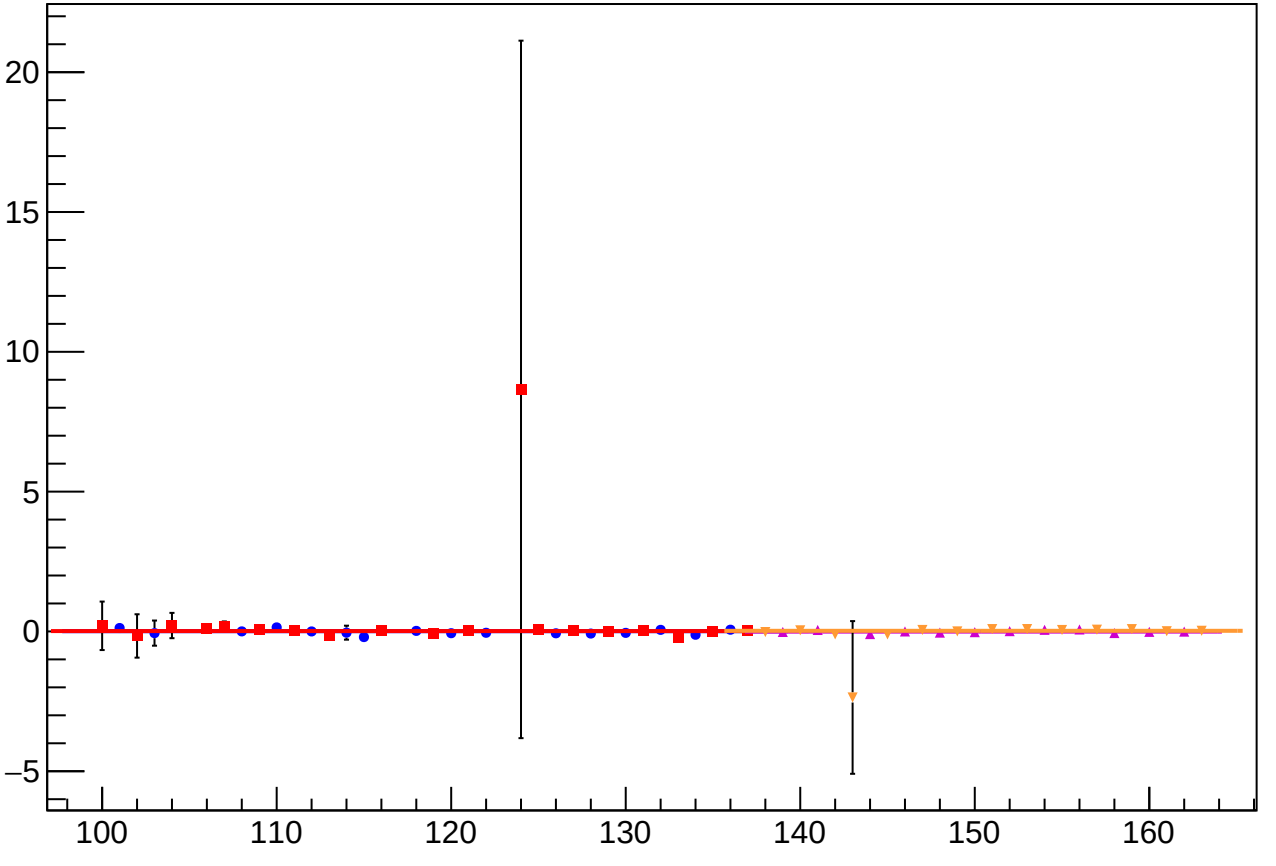
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5996128.0/27

Out: 0.003+/-0.000 χ^2/NDF:6975228.6/32

All: 0.003+/-0.000 χ^2/NDF: 12988657.8/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

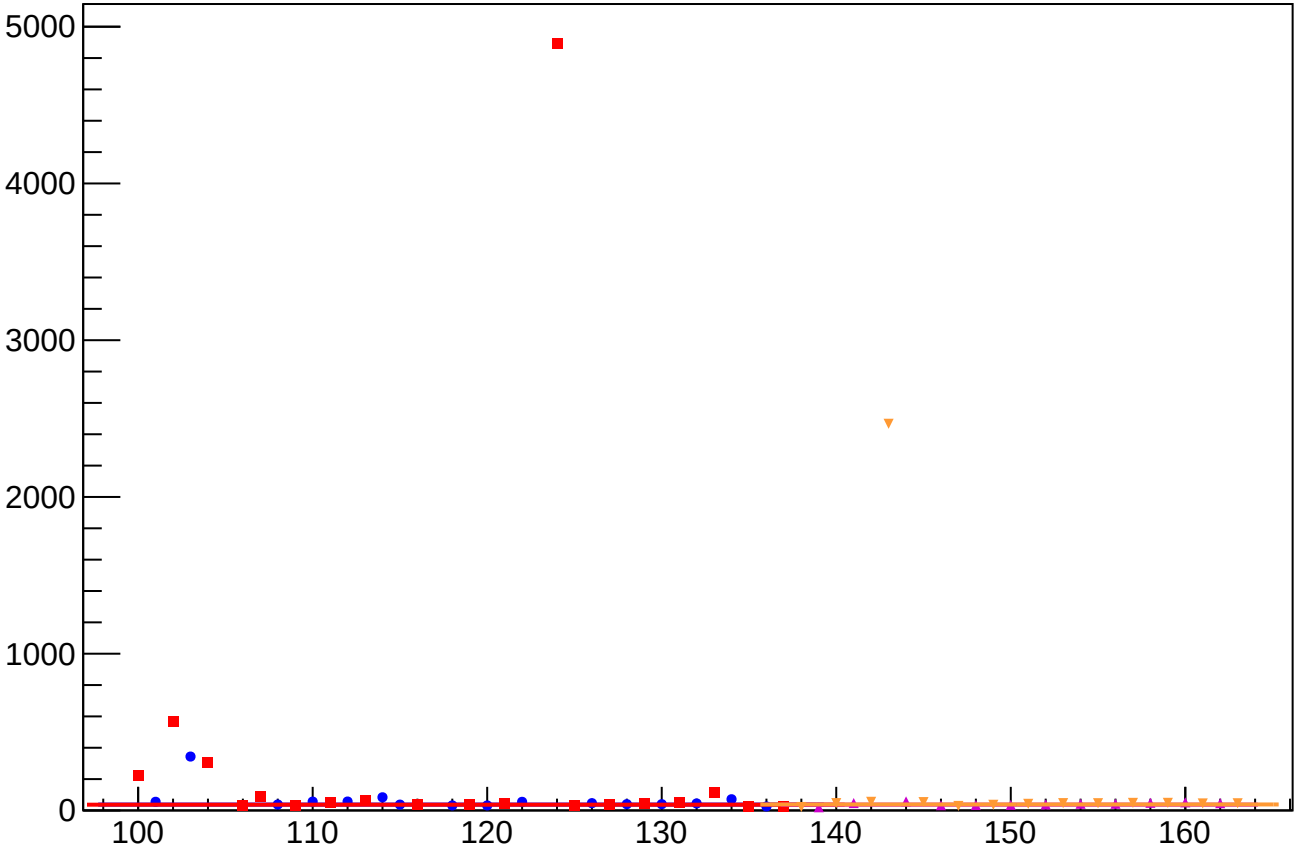
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

Left: 37.595+/-0.006 χ^2/NDF: 4371699.6/25

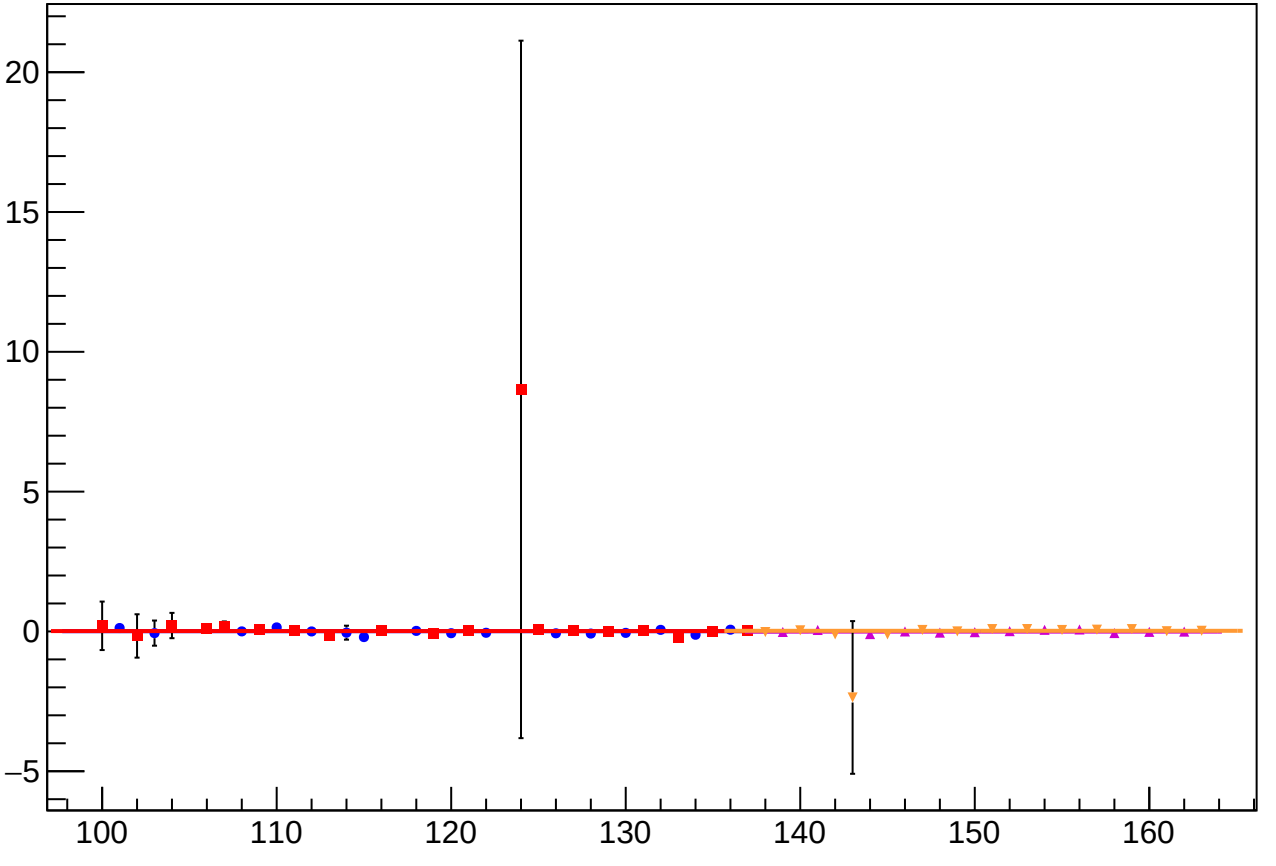
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.153+/-0.007 χ^2/NDF:3390764.1/27

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60

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: 0.022+/-0.013 χ^2/NDF:16.3/13

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.006+/-0.013 χ^2/NDF:9.6/11

Left: 0.008+/-0.009 χ^2/NDF: 28.4/25

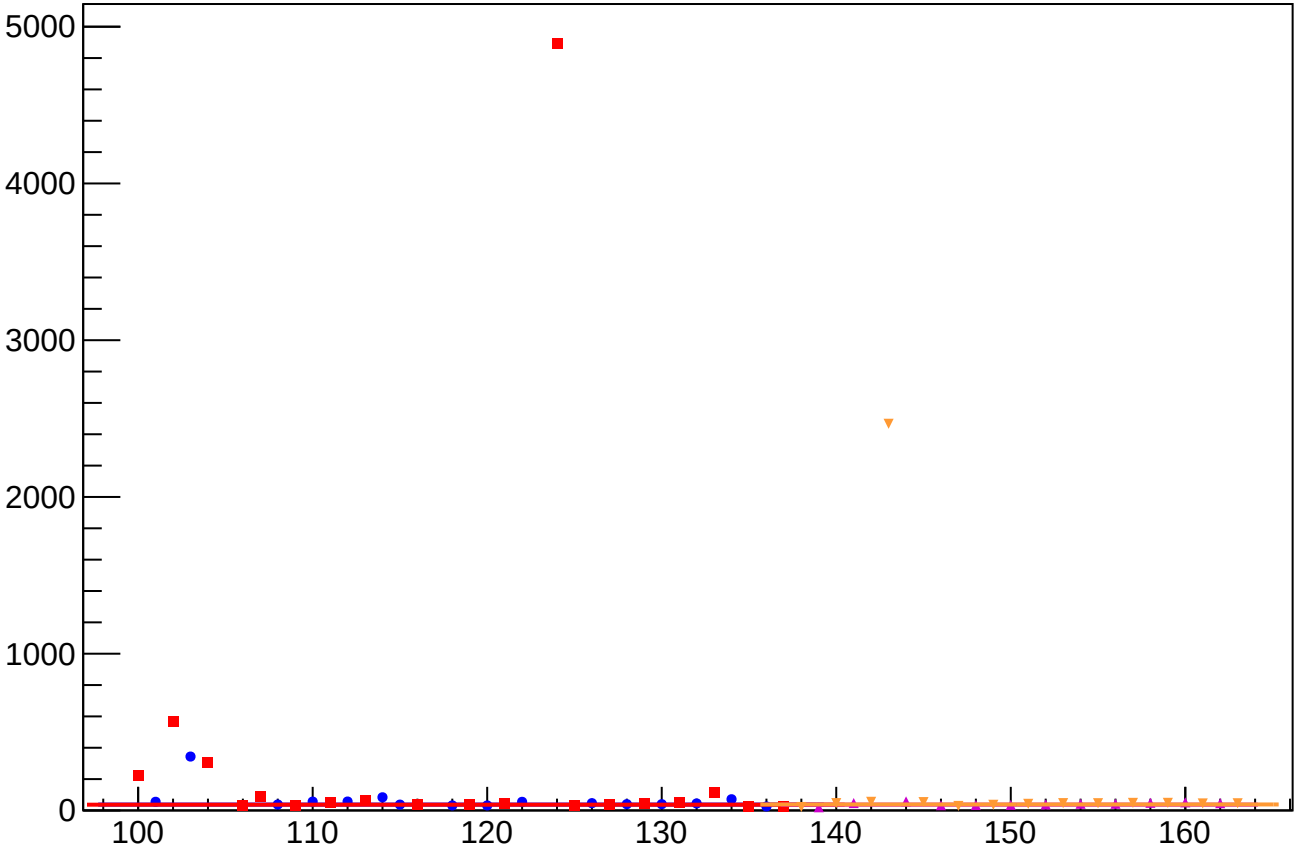
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.001+/-0.010 χ^2/NDF:29.4/27

Out: 0.018+/-0.010 χ^2/NDF:29.1/32

All: 0.009+/-0.007 χ^2/NDF: 60.3/60

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: 38.277+/-0.009 χ^2/NDF:2954726.6/13

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 36.941+/-0.009 χ^2/NDF:1406093.9/11

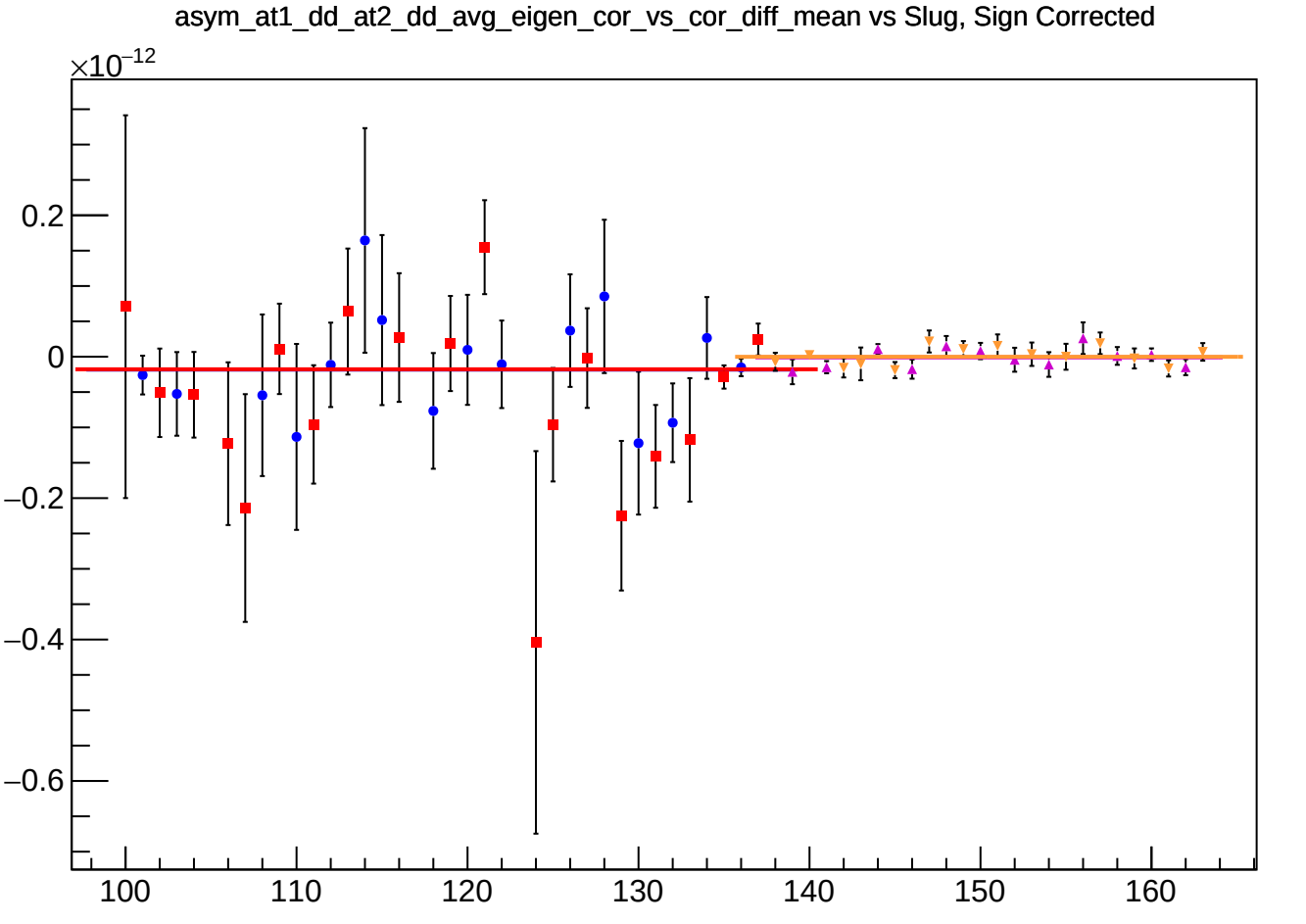
Left: 37.595+/-0.006 χ^2/NDF: 4371699.6/25

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 37.153+/-0.007 χ^2/NDF:3390764.1/27

Out: 37.708+/-0.007 χ^2/NDF:6155381.3/32

All: 37.423+/-0.005 χ^2/NDF: 9549167.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/11

Left: -0.000+/-0.000 χ^2/NDF: 26.1/25

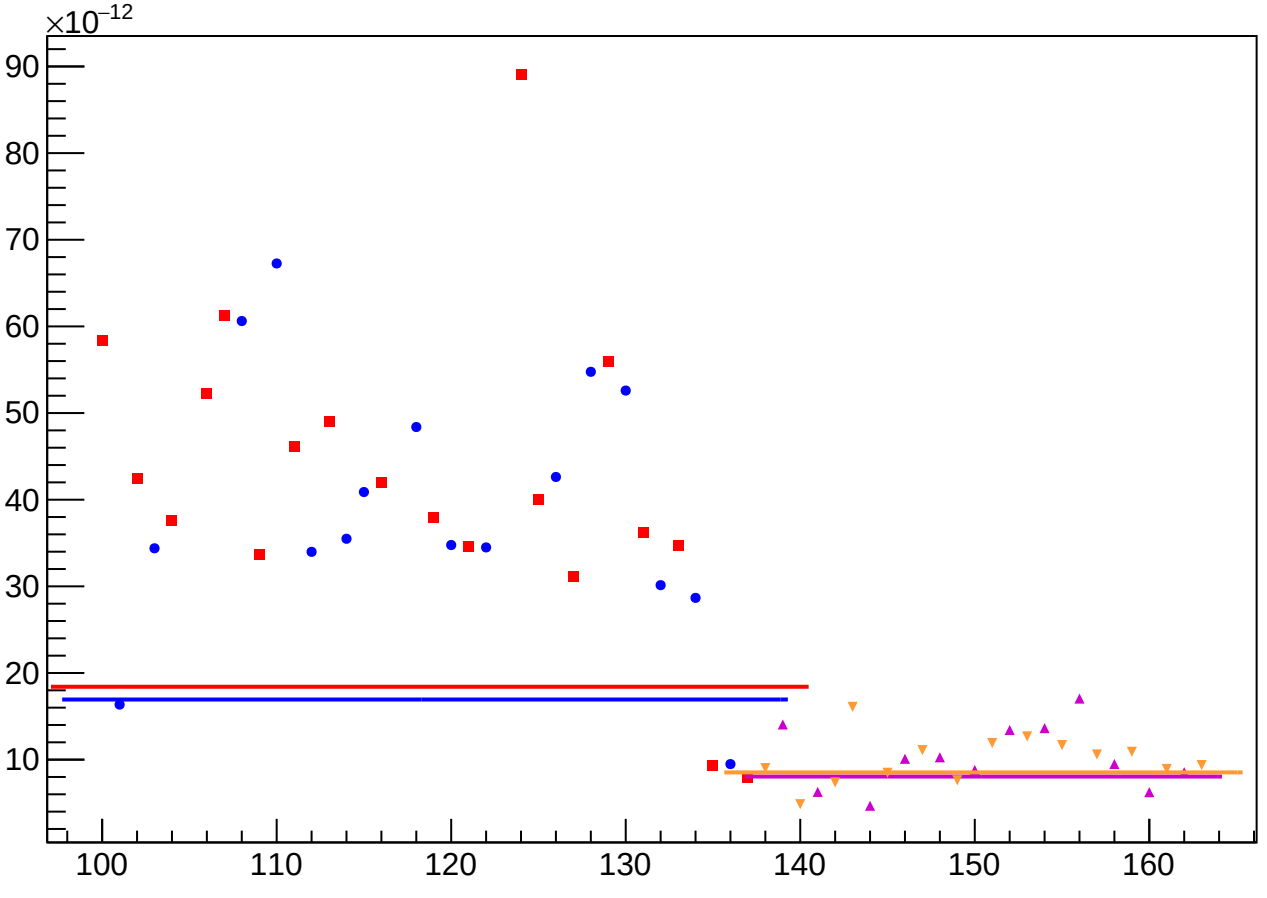
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:24.6/27

Out: -0.000+/-0.000 χ^2/NDF:42.1/32

All: -0.000+/-0.000 χ^2/NDF: 66.7/60

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:1265752.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1721269.0/11

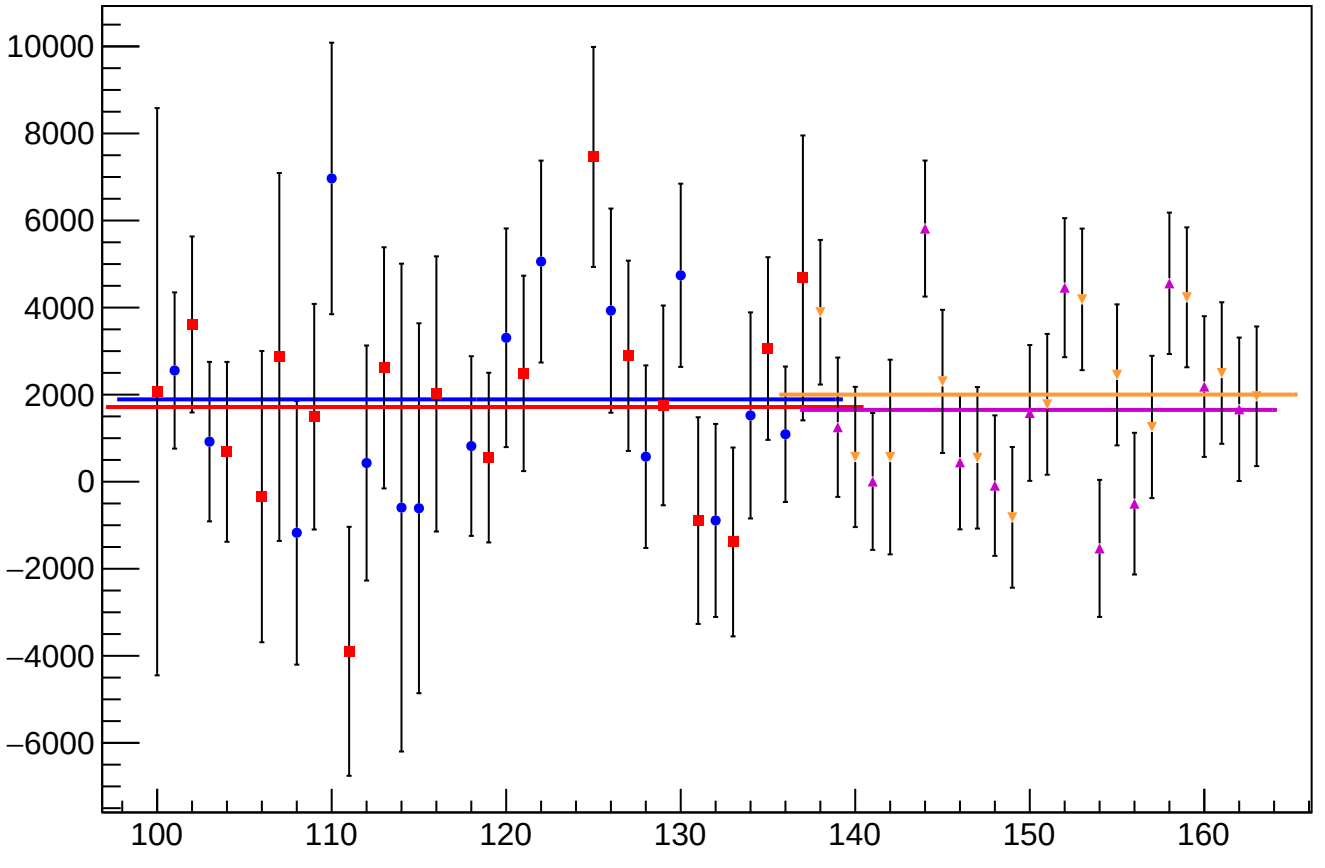
Left: 0.000+/-0.000 χ^2/NDF: 3007465.0/25

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6373737.6/27

Out: 0.000+/-0.000 χ^2/NDF:6404684.6/32

All: 0.000+/-0.000 χ^2/NDF: 12795216.4/60



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.775+/-458.886 χ^2/NDF:10.5/12

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1649.534+/-460.115 χ^2/NDF:22.3/11

Left: 1826.126+/-324.915 χ^2/NDF: 33.1/24

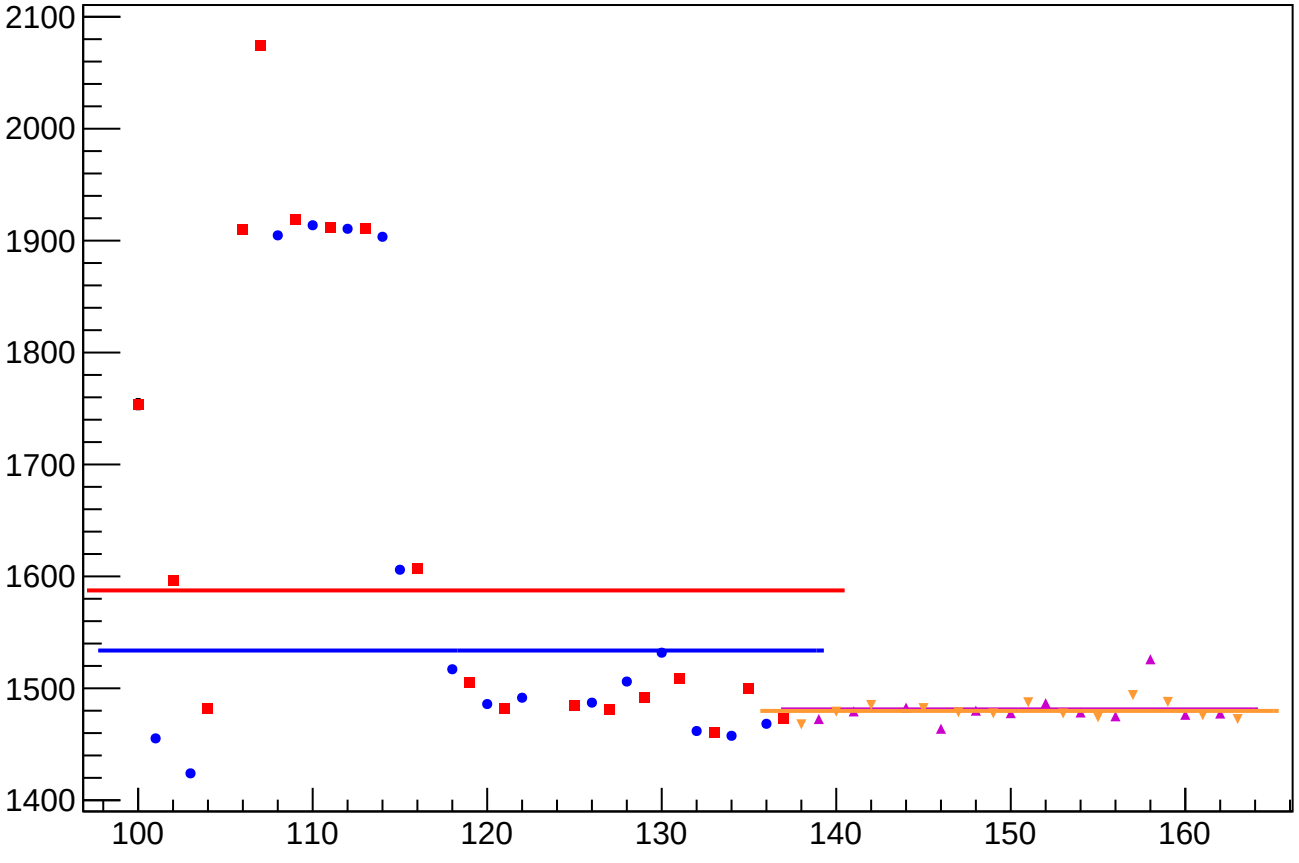
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1744.525+/-358.580 χ^2/NDF:34.6/27

Out: 1893.917+/-362.112 χ^2/NDF:26.6/30

All: 1818.489+/-254.794 χ^2/NDF: 61.3/58

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1481.172+/-0.325 χ^2/NDF:1931.2/11

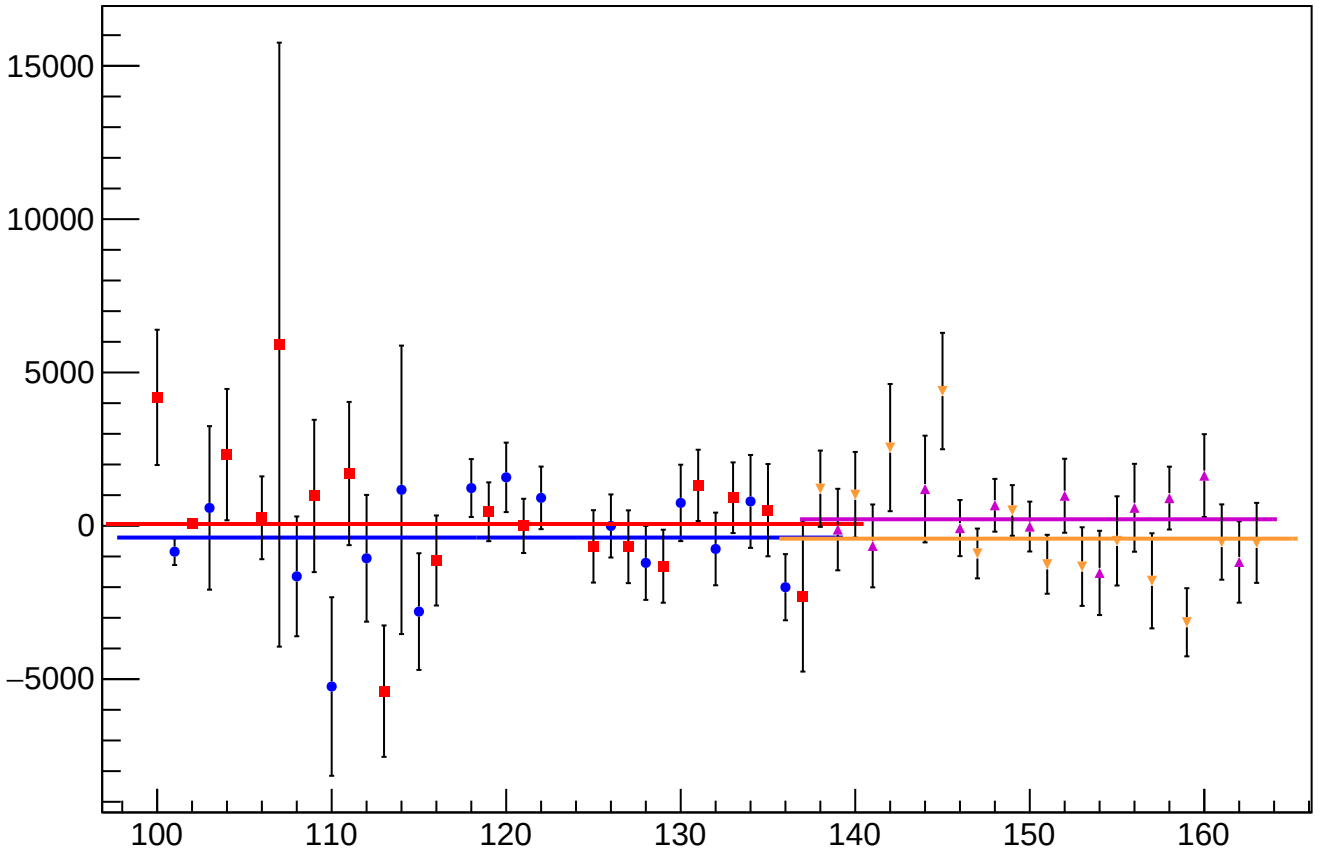
Left: 1480.494+/-0.230 χ^2/NDF: 2391.4/24

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1501.825+/-0.254 χ^2/NDF:141465.5/27

Out: 1520.433+/-0.256 χ^2/NDF:213961.8/30

All: 1511.038+/-0.180 χ^2/NDF: 358093.8/58



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.809+/-328.122 χ^2/NDF:20.9/12

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 213.771+/-328.428 χ^2/NDF:6.0/11

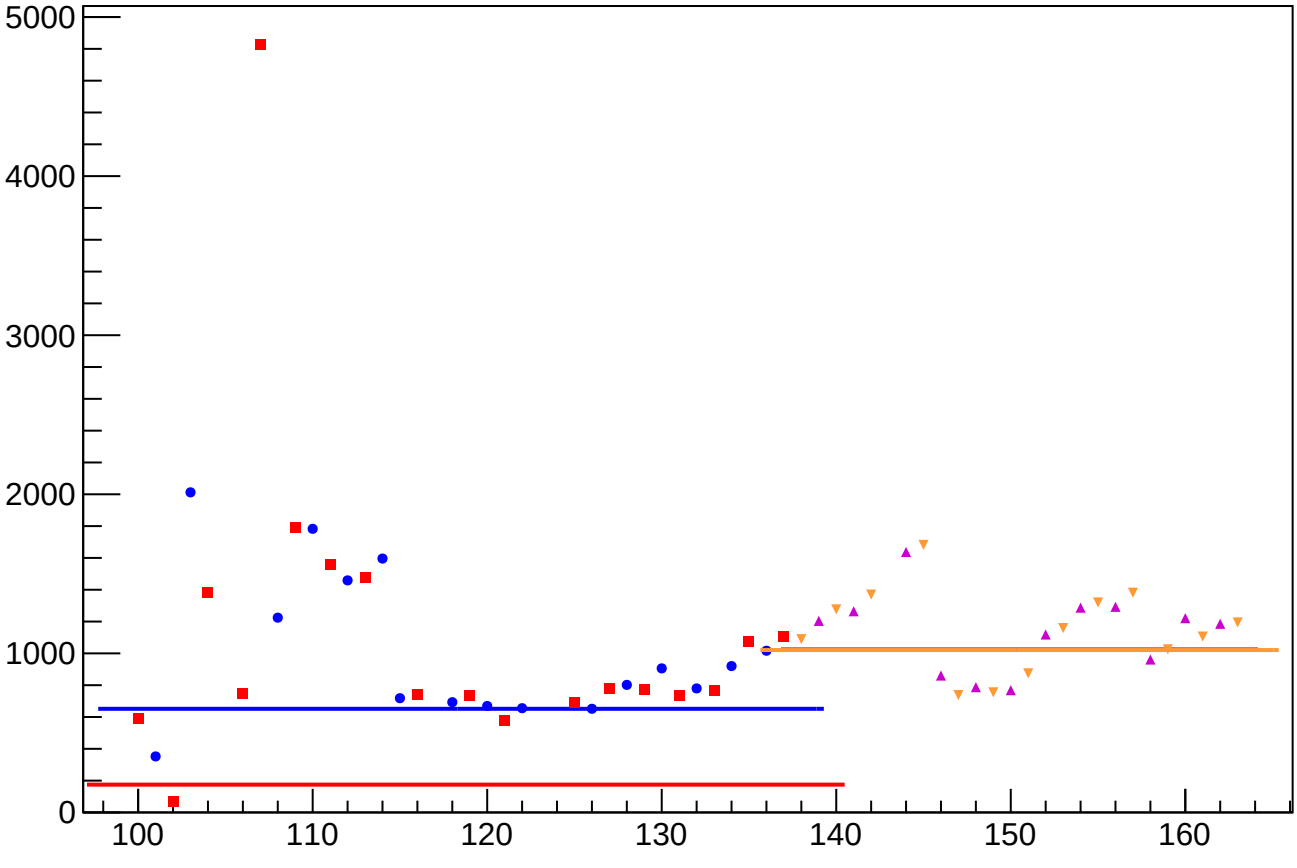
Left: -102.813+/-232.126 χ^2/NDF: 28.8/24

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -139.861+/-209.581 χ^2/NDF:26.2/27

Out: -3.009+/-119.006 χ^2/NDF:40.6/30

All: -36.375+/-103.486 χ^2/NDF: 67.0/58



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1020.901+/-0.232 χ^2/NDF:1128846.2/12

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1025.199+/-0.232 χ^2/NDF:996609.7/11

Left: 1023.048+/-0.164 χ^2/NDF: 2125627.3/24

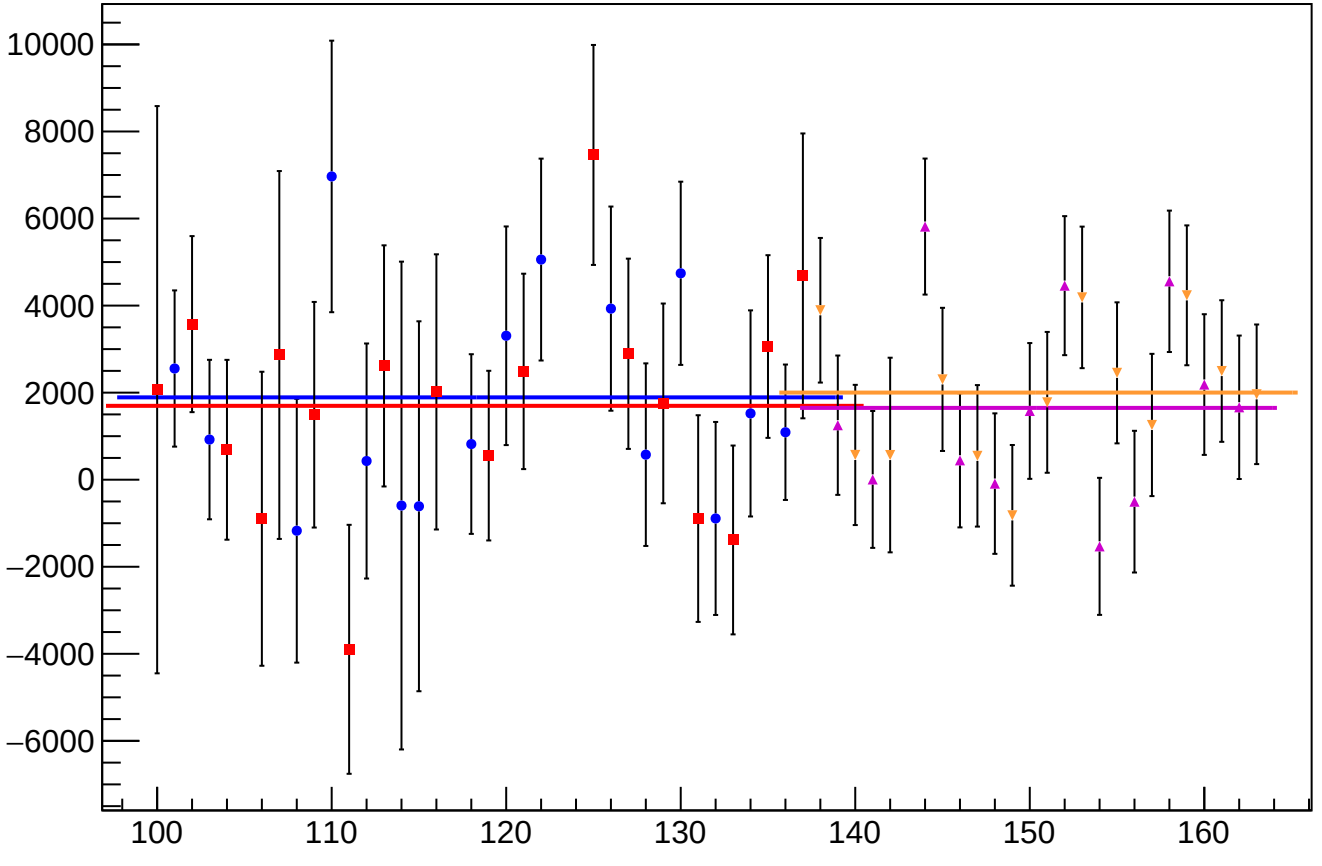
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 803.689+/-0.148 χ^2/NDF:5294013.5/27

Out: 286.183+/-0.084 χ^2/NDF:22436594.4/30

All: 412.358+/-0.073 χ^2/NDF: 36951781.9/58

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1649.640+/-460.115 χ^2/NDF:22.3/11

Left: 1826.161+/-324.915 χ^2/NDF: 33.1/24

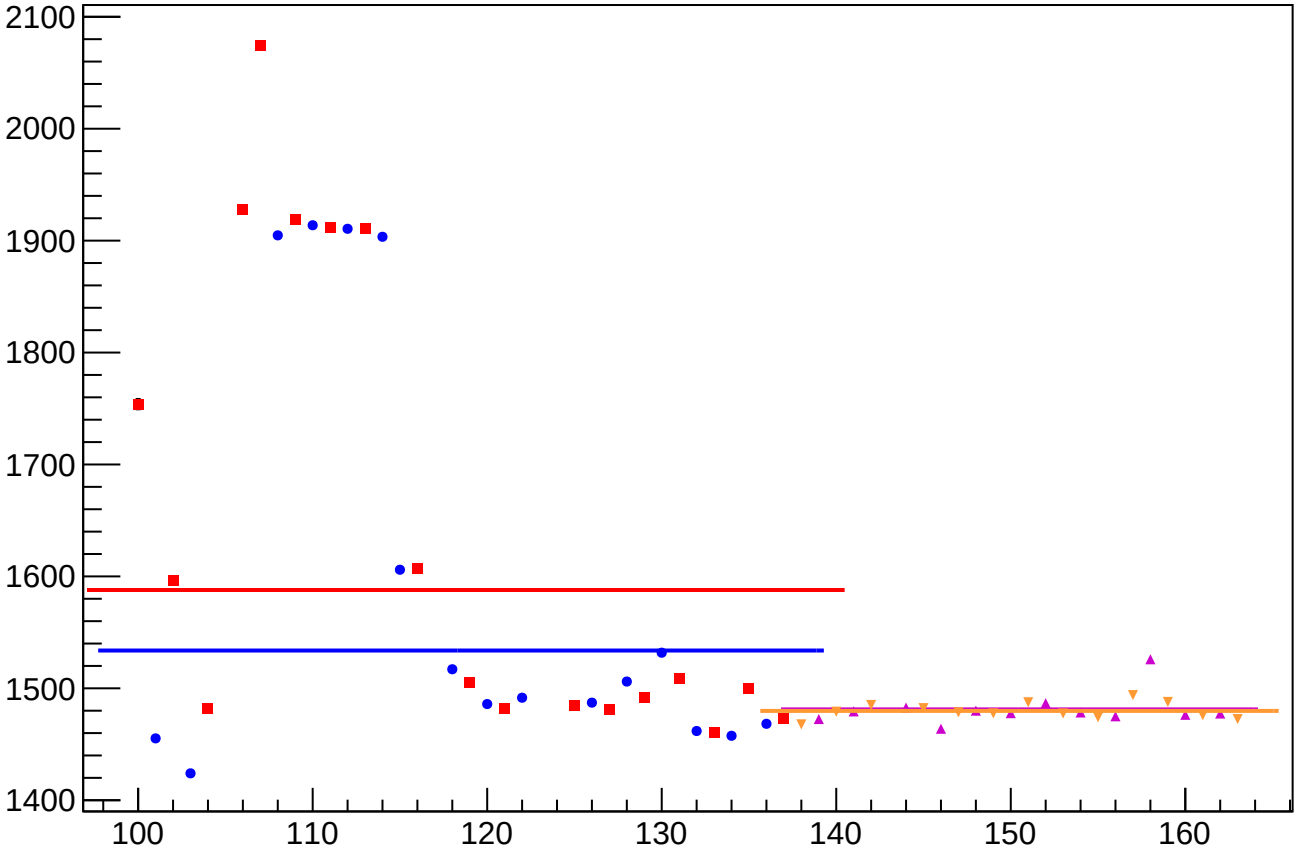
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1744.631+/-358.580 χ^2/NDF:34.6/27

Out: 1886.800+/-362.154 χ^2/NDF:26.8/30

All: 1815.010+/-254.808 χ^2/NDF: 61.5/58

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.172+/-0.325 χ^2/NDF:1931.2/11

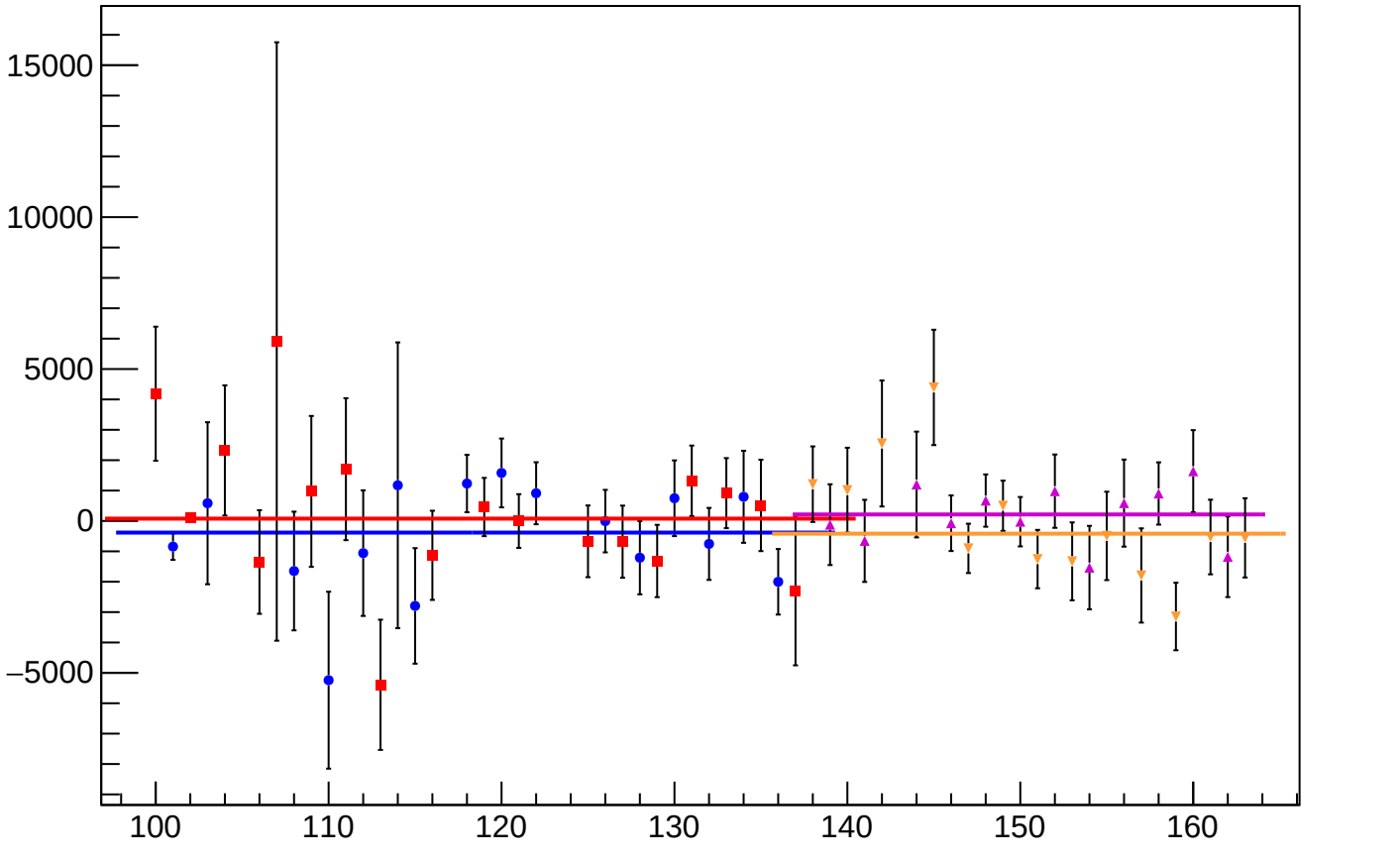
Left: 1480.494+/-0.230 χ^2/NDF: 2391.4/24

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1501.825+/-0.254 χ^2/NDF:141465.4/27

Out: 1520.562+/-0.256 χ^2/NDF:216021.9/30

All: 1511.101+/-0.180 χ^2/NDF: 360190.8/58



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 213.856+/-328.428 χ^2/NDF:6.0/11

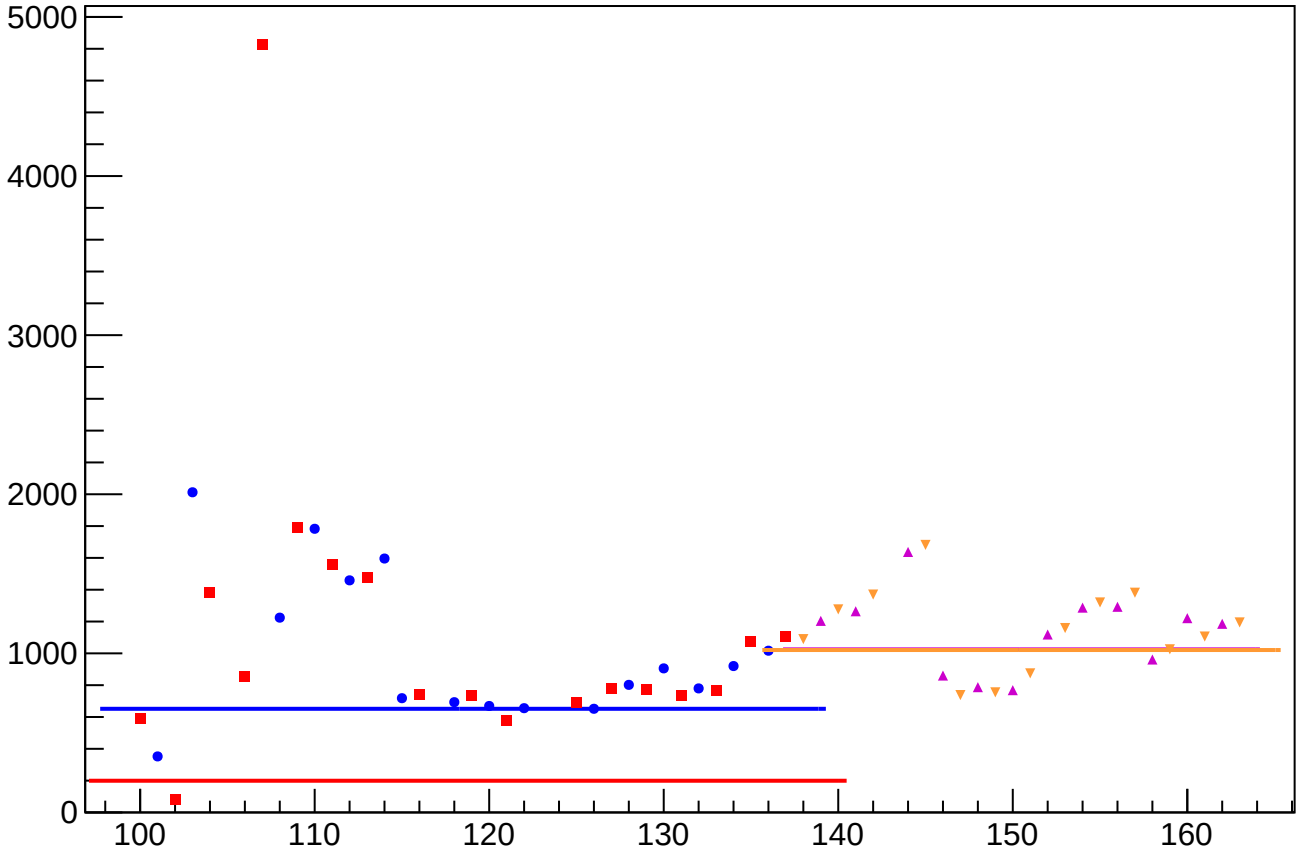
Left: -102.806+/-232.127 χ^2/NDF: 28.8/24

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -139.811+/-209.581 χ^2/NDF:26.2/27

Out: 2.136+/-127.315 χ^2/NDF:41.3/30

All: -36.126+/-108.811 χ^2/NDF: 67.9/58



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1025.198+/-0.232 χ^2/NDF:996687.1/11

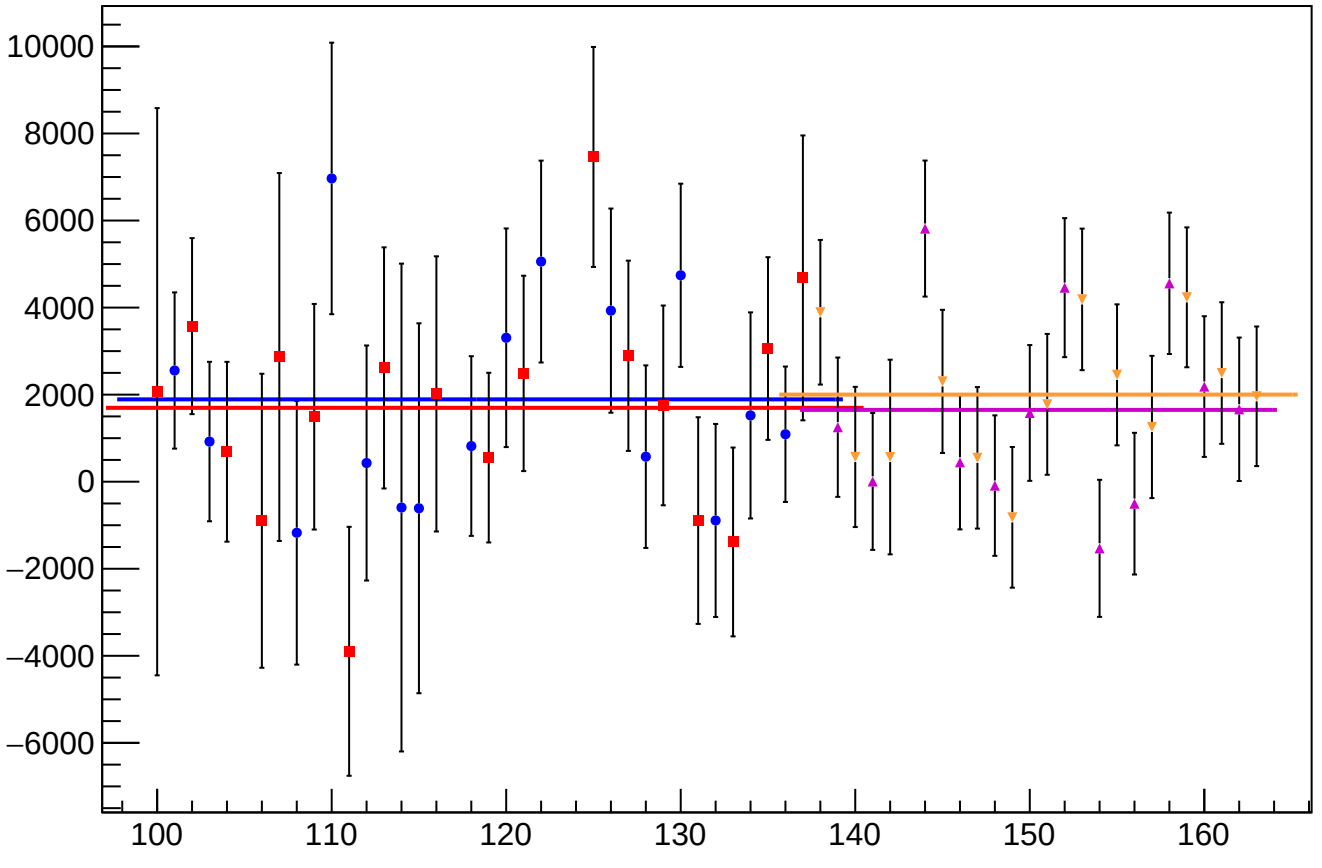
Left: 1023.053+/-0.164 χ^2/NDF: 2125699.6/24

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 803.687+/-0.148 χ^2/NDF:5294126.2/27

Out: 323.030+/-0.090 χ^2/NDF:21064274.4/30

All: 452.593+/-0.077 χ^2/NDF: 34042377.4/58



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 2001.740+/-458.886 χ^2/NDF:10.5/12

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1649.640+/-460.115 χ^2/NDF:22.3/11

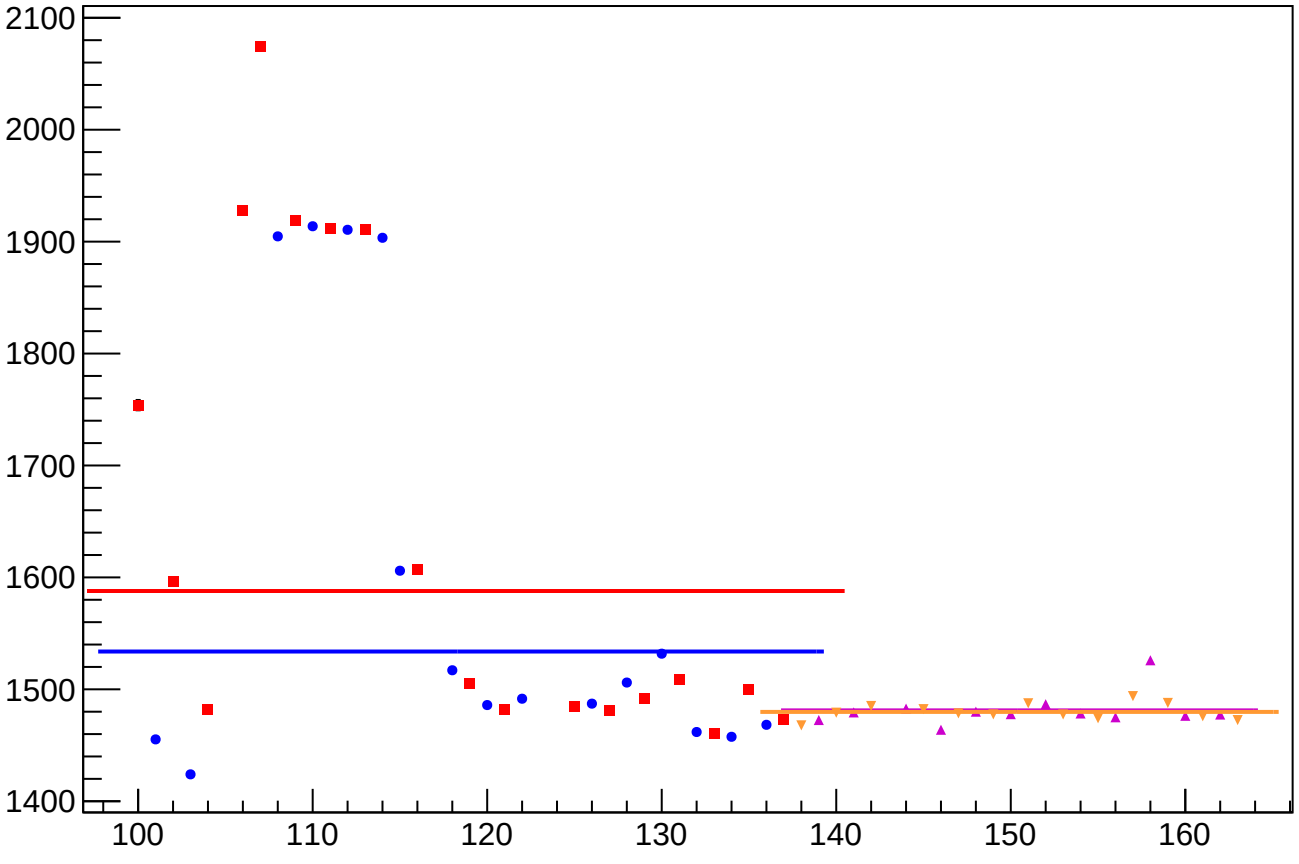
Left: 1826.161+/-324.915 χ^2/NDF: 33.1/24

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1744.631+/-358.580 χ^2/NDF:34.6/27

Out: 1886.800+/-362.154 χ^2/NDF:26.8/30

All: 1815.010+/-254.808 χ^2/NDF: 61.5/58



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.819+/-0.324 χ^2/NDF:451.5/12

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1481.172+/-0.325 χ^2/NDF:1931.2/11

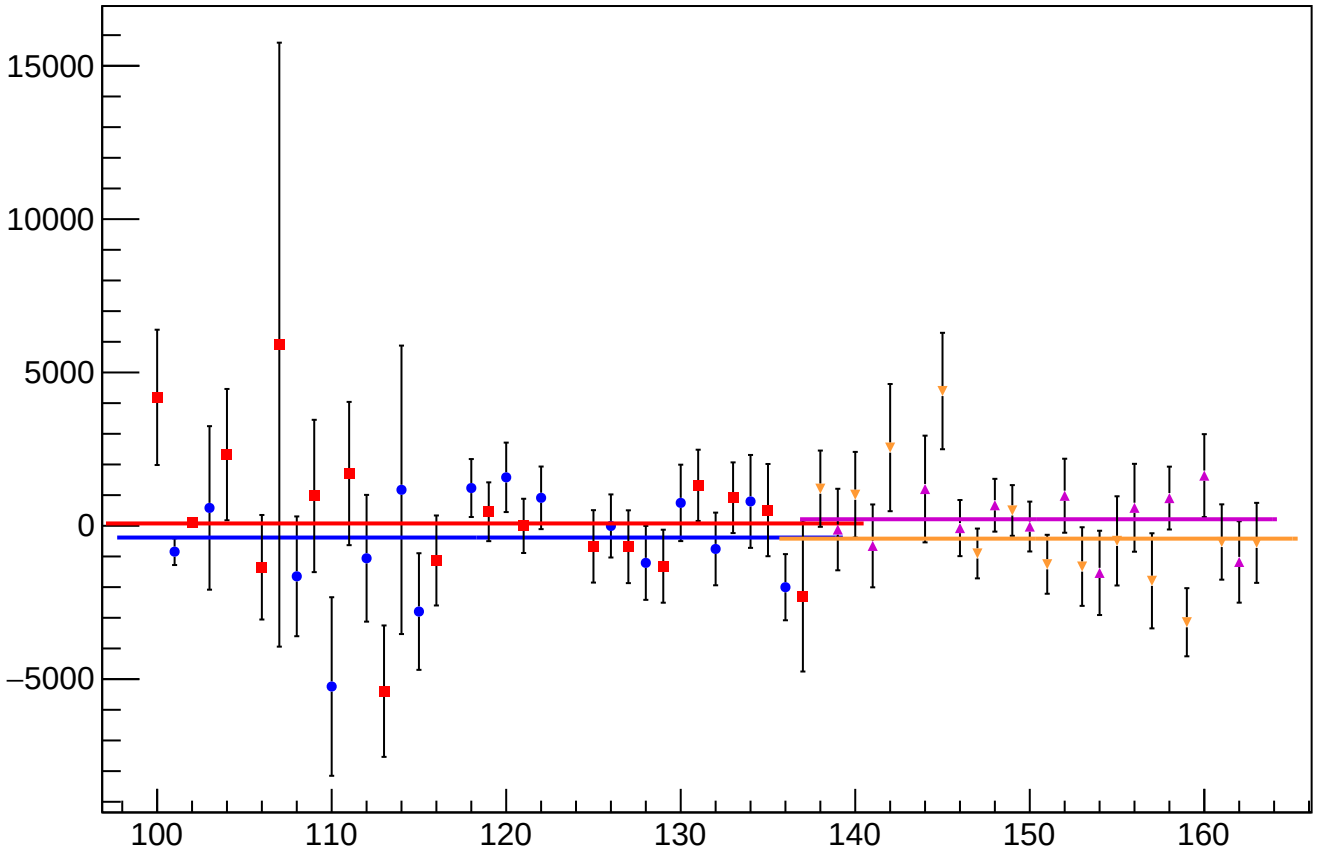
Left: 1480.494+/-0.230 χ^2/NDF: 2391.4/24

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1501.825+/-0.254 χ^2/NDF:141465.4/27

Out: 1520.562+/-0.256 χ^2/NDF:216021.9/30

All: 1511.101+/-0.180 χ^2/NDF: 360190.8/58



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -418.884+/-328.125 χ^2/NDF:20.9/12

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 213.856+/-328.428 χ^2/NDF:6.0/11

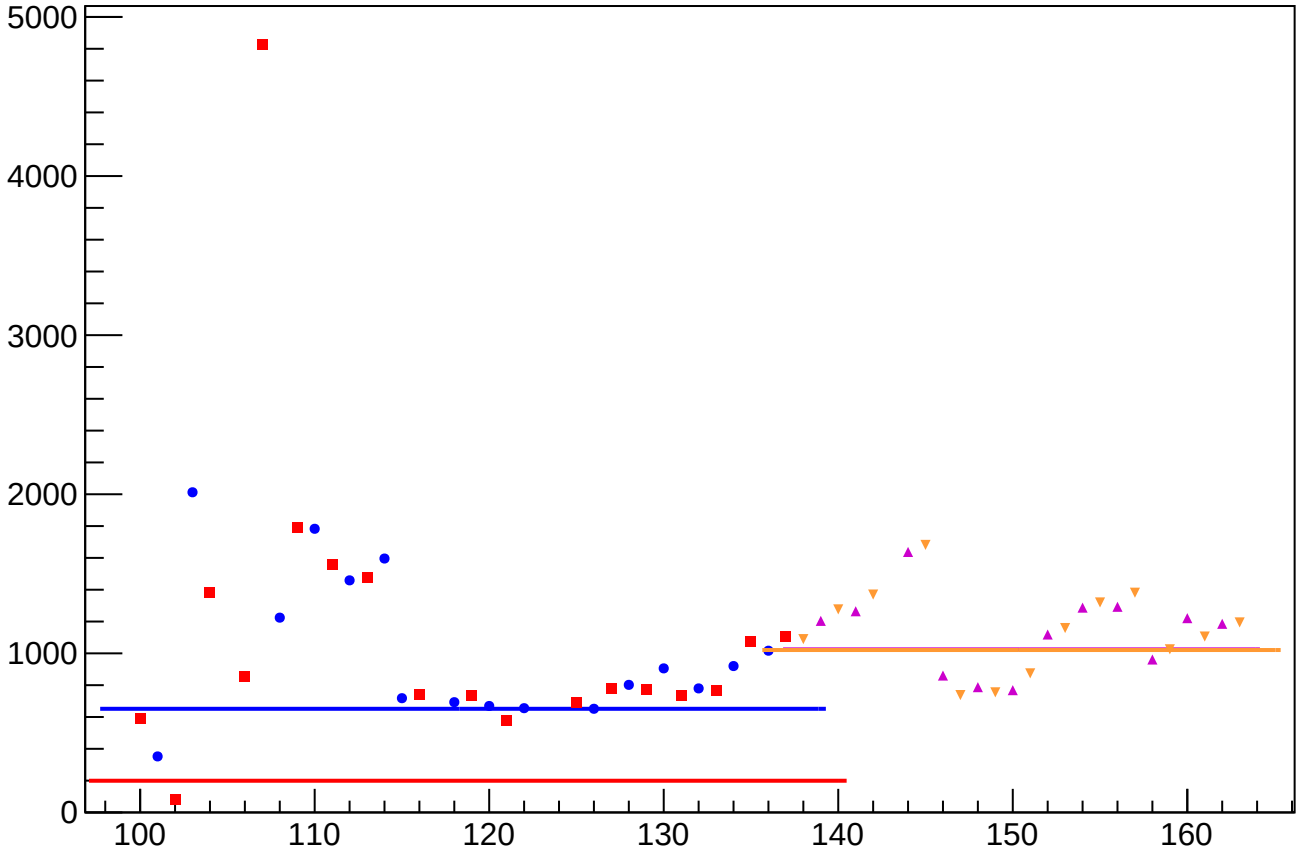
Left: -102.806+/-232.127 χ^2/NDF: 28.8/24

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -139.811+/-209.581 χ^2/NDF:26.2/27

Out: 2.136+/-127.315 χ^2/NDF:41.3/30

All: -36.126+/-108.811 χ^2/NDF: 67.9/58



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1020.912+/-0.232 χ^2/NDF:1128842.0/12

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1025.198+/-0.232 χ^2/NDF:996687.1/11

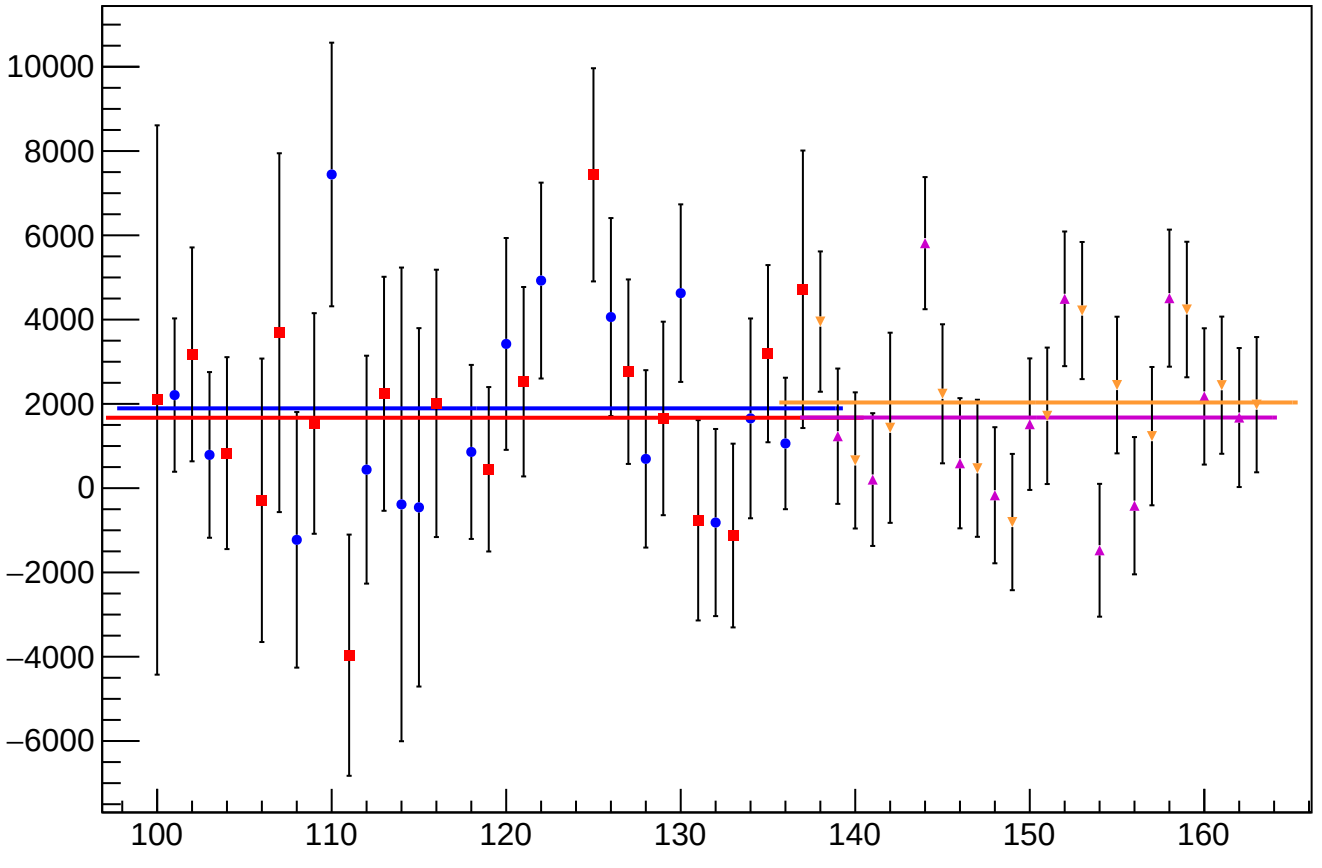
Left: 1023.053+/-0.164 χ^2/NDF: 2125699.6/24

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 803.687+/-0.148 χ^2/NDF:5294126.2/27

Out: 323.030+/-0.090 χ^2/NDF:21064274.4/30

All: 452.593+/-0.077 χ^2/NDF: 34042377.4/58



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 2033.222+/-459.752 χ^2/NDF:10.2/12

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1676.319+/-460.799 χ^2/NDF:21.6/11

Left: 1855.177+/-325.463 χ^2/NDF: 32.1/24

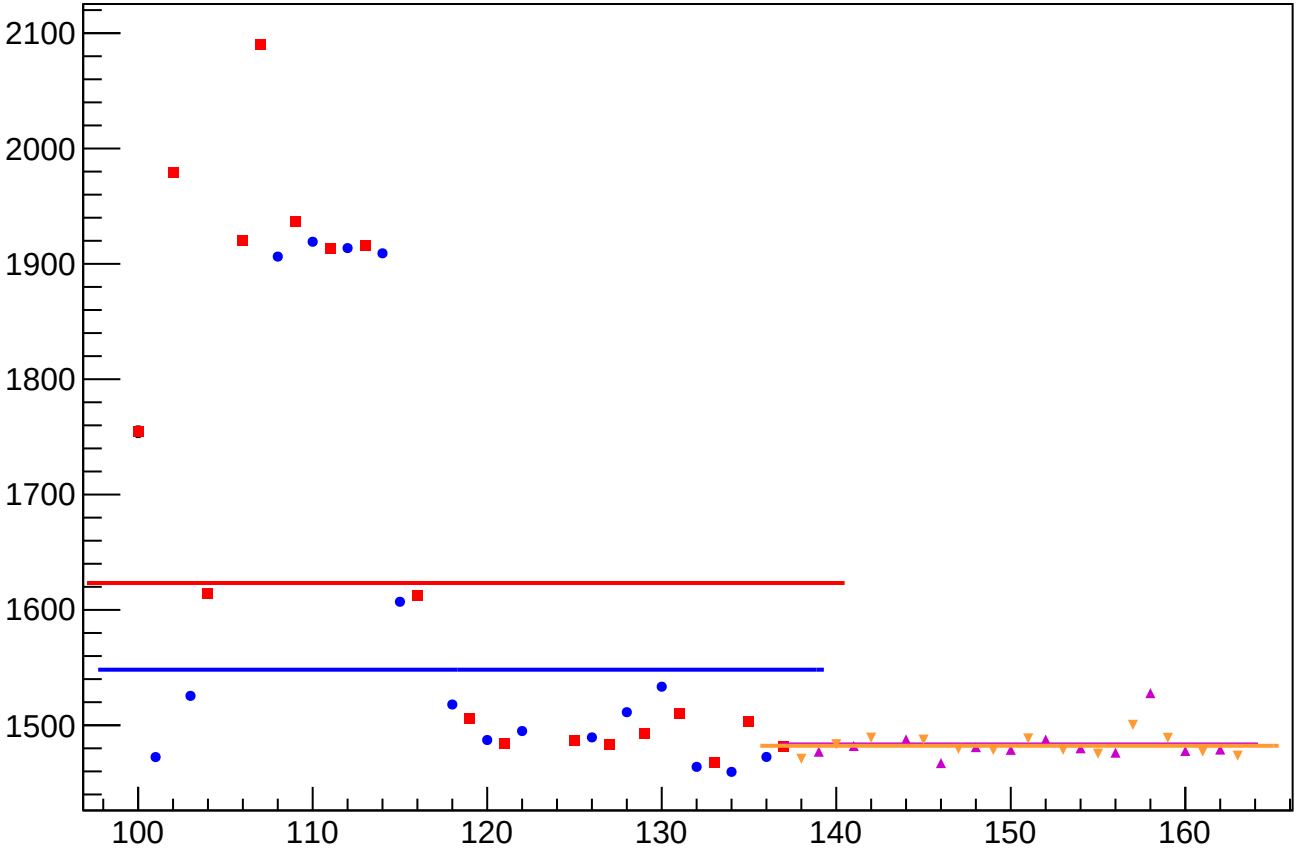
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1761.042+/-360.221 χ^2/NDF:34.0/27

Out: 1900.551+/-366.015 χ^2/NDF:25.5/30

All: 1829.683+/-256.739 χ^2/NDF: 59.5/58

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1482.210+/-0.325 χ^2/NDF:584.2/12

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1483.352+/-0.326 χ^2/NDF:1884.0/11

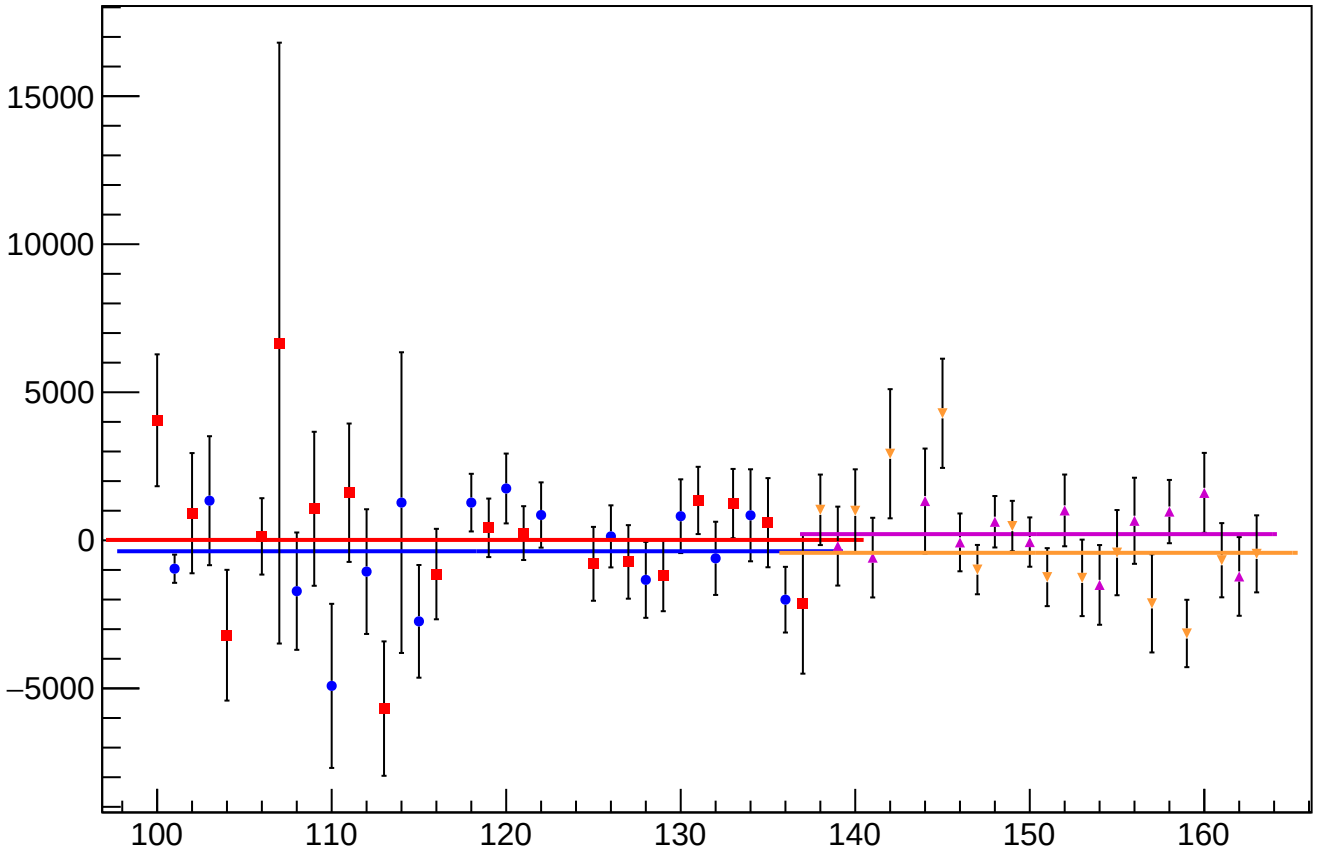
Left: 1482.779+/-0.230 χ^2/NDF: 2474.4/24

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1508.561+/-0.255 χ^2/NDF:137181.2/27

Out: 1533.889+/-0.259 χ^2/NDF:281123.7/30

All: 1521.023+/-0.182 χ^2/NDF: 423169.8/58



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -421.625+/-332.767 χ^2/NDF:21.0/12

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 209.467+/-334.311 χ^2/NDF:6.1/11

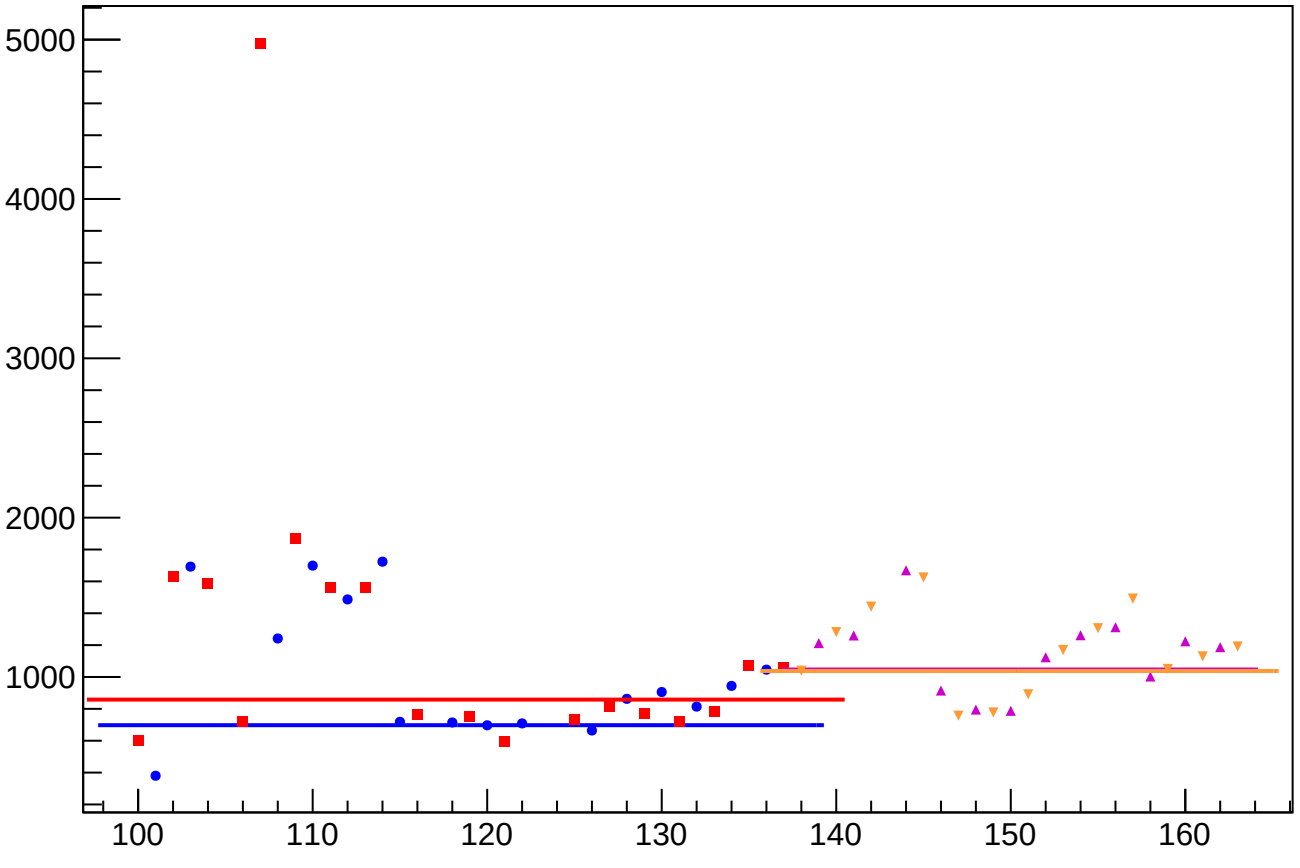
Left: -107.541+/-235.846 χ^2/NDF: 28.9/24

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -123.811+/-217.577 χ^2/NDF:26.8/27

Out: -209.630+/-238.353 χ^2/NDF:40.8/30

All: -162.818+/-160.694 χ^2/NDF: 67.7/58



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1037.722+/-0.235 χ^2/NDF:1070089.5/12

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1046.968+/-0.236 χ^2/NDF:912558.6/11

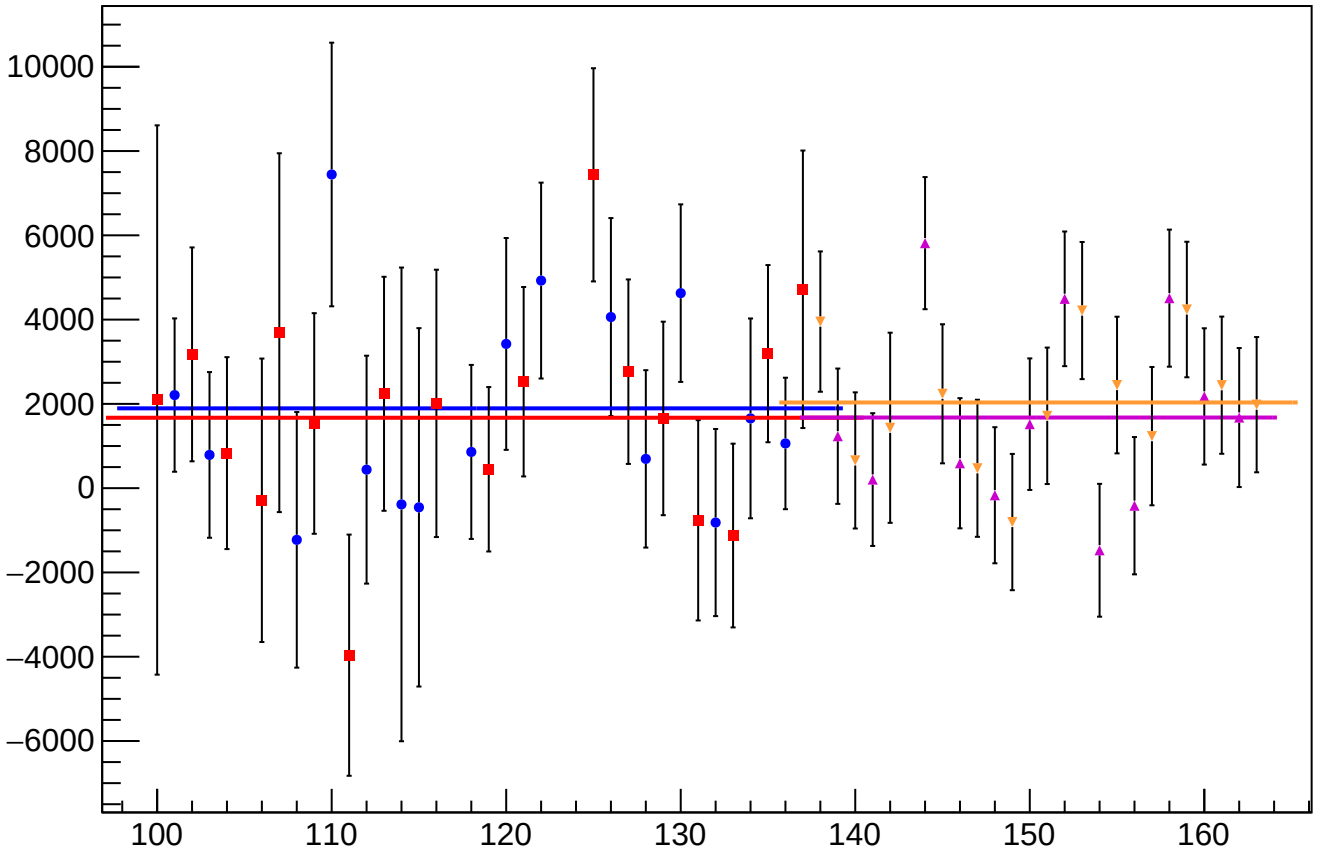
Left: 1042.324+/-0.167 χ^2/NDF: 1983416.6/24

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 845.534+/-0.154 χ^2/NDF:4607805.0/27

Out: 950.253+/-0.169 χ^2/NDF:3236029.0/30

All: 893.132+/-0.114 χ^2/NDF: 8054412.5/58



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 2033.220+/-459.752 χ^2/NDF:10.2/12

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1676.320+/-460.799 χ^2/NDF:21.6/11

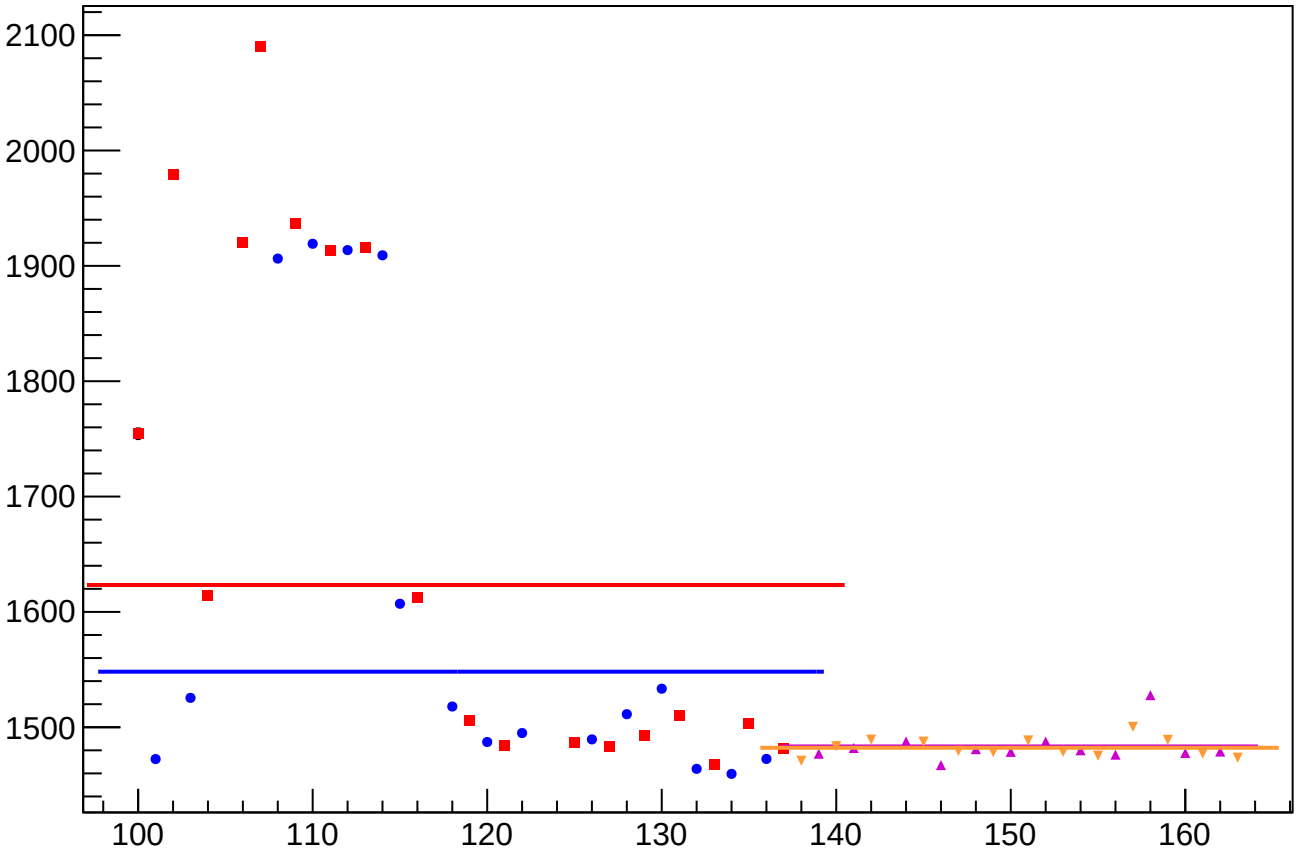
Left: 1855.176+/-325.463 χ^2/NDF: 32.1/24

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1761.042+/-360.221 χ^2/NDF:34.0/27

Out: 1900.549+/-366.015 χ^2/NDF:25.5/30

All: 1829.682+/-256.739 χ^2/NDF: 59.5/58



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1482.210+/-0.325 χ^2/NDF:584.2/12

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1483.352+/-0.326 χ^2/NDF:1884.0/11

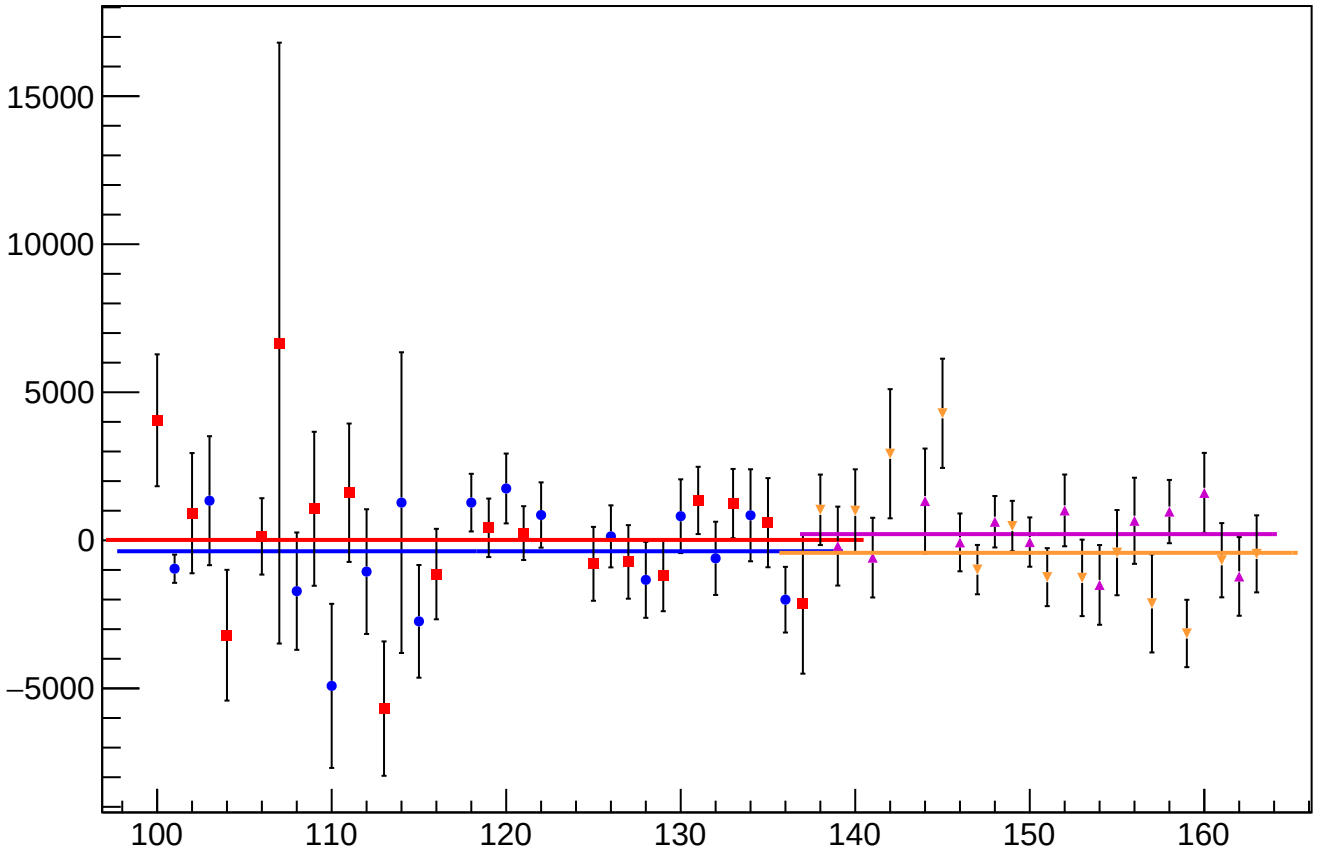
Left: 1482.779+/-0.230 χ^2/NDF: 2474.4/24

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1508.561+/-0.255 χ^2/NDF:137181.2/27

Out: 1533.888+/-0.259 χ^2/NDF:281123.3/30

All: 1521.023+/-0.182 χ^2/NDF: 423169.3/58



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -421.628+/-332.767 χ^2/NDF:21.0/12

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 209.468+/-334.312 χ^2/NDF:6.1/11

Left: -107.542+/-235.846 χ^2/NDF: 28.9/24

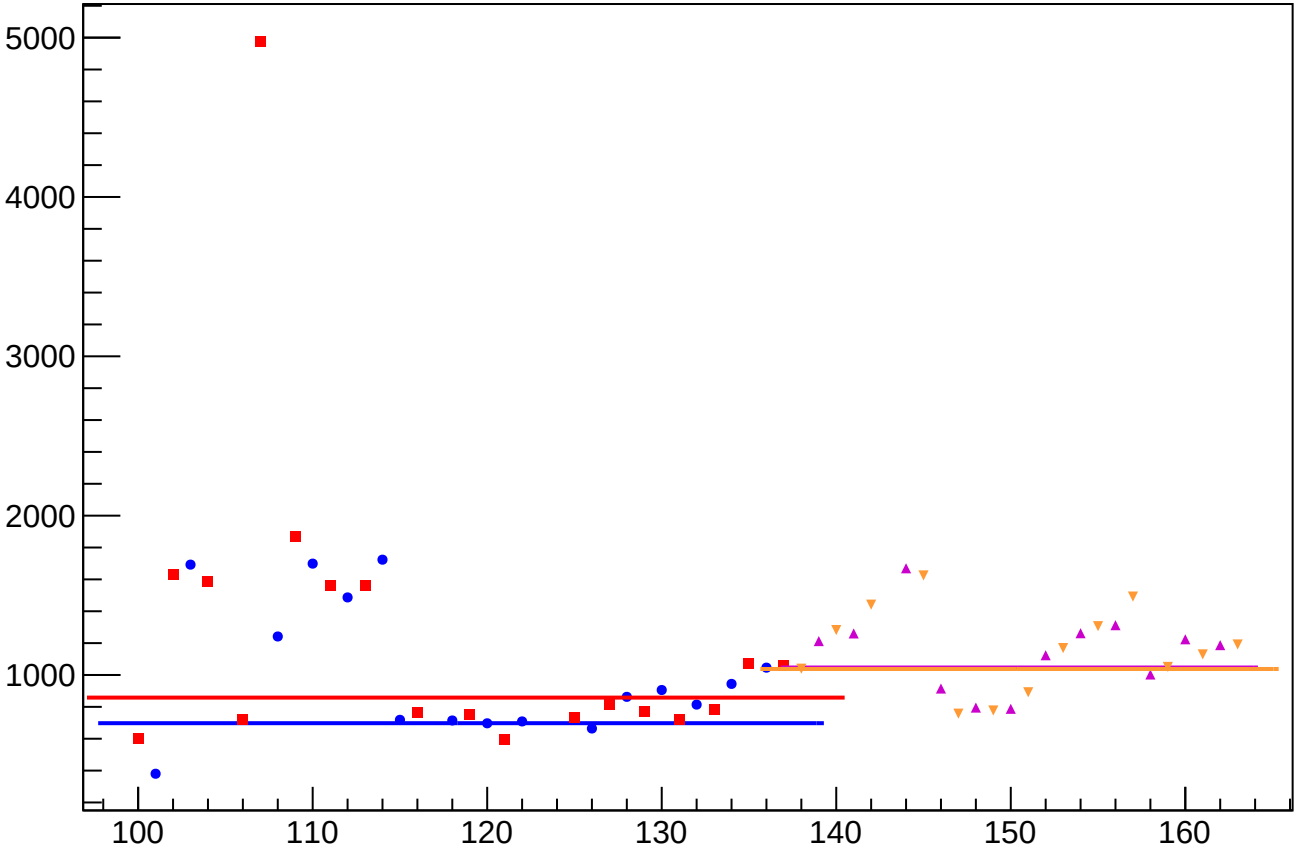
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -123.810+/-217.578 χ^2/NDF:26.8/27

Out: -209.630+/-238.353 χ^2/NDF:40.9/30

All: -162.818+/-160.694 χ^2/NDF: 67.7/58

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: 1037.723+/-0.235 χ^2/NDF:1070087.0/12

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1046.970+/-0.236 χ^2/NDF:912555.1/11

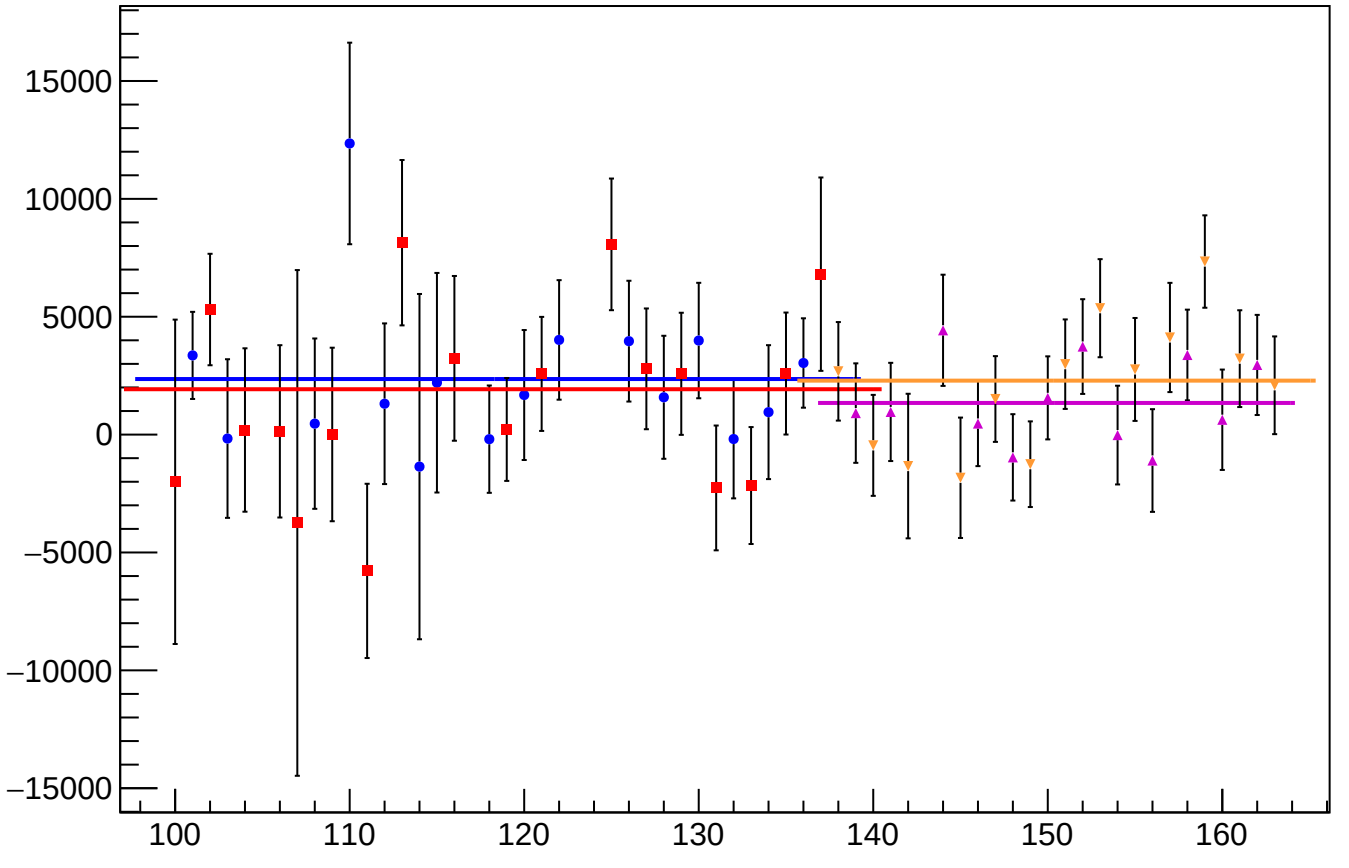
Left: 1042.325+/-0.167 χ^2/NDF: 1983410.6/24

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 845.534+/-0.154 χ^2/NDF:4607804.8/27

Out: 950.253+/-0.169 χ^2/NDF:3236046.6/30

All: 893.132+/-0.114 χ^2/NDF: 8054427.2/58



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 2289.343+/-582.543 χ^2/NDF:19.5/12

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1342.841+/-581.181 χ^2/NDF:8.5/11

Left: 1814.984+/-411.438 χ^2/NDF: 29.4/24

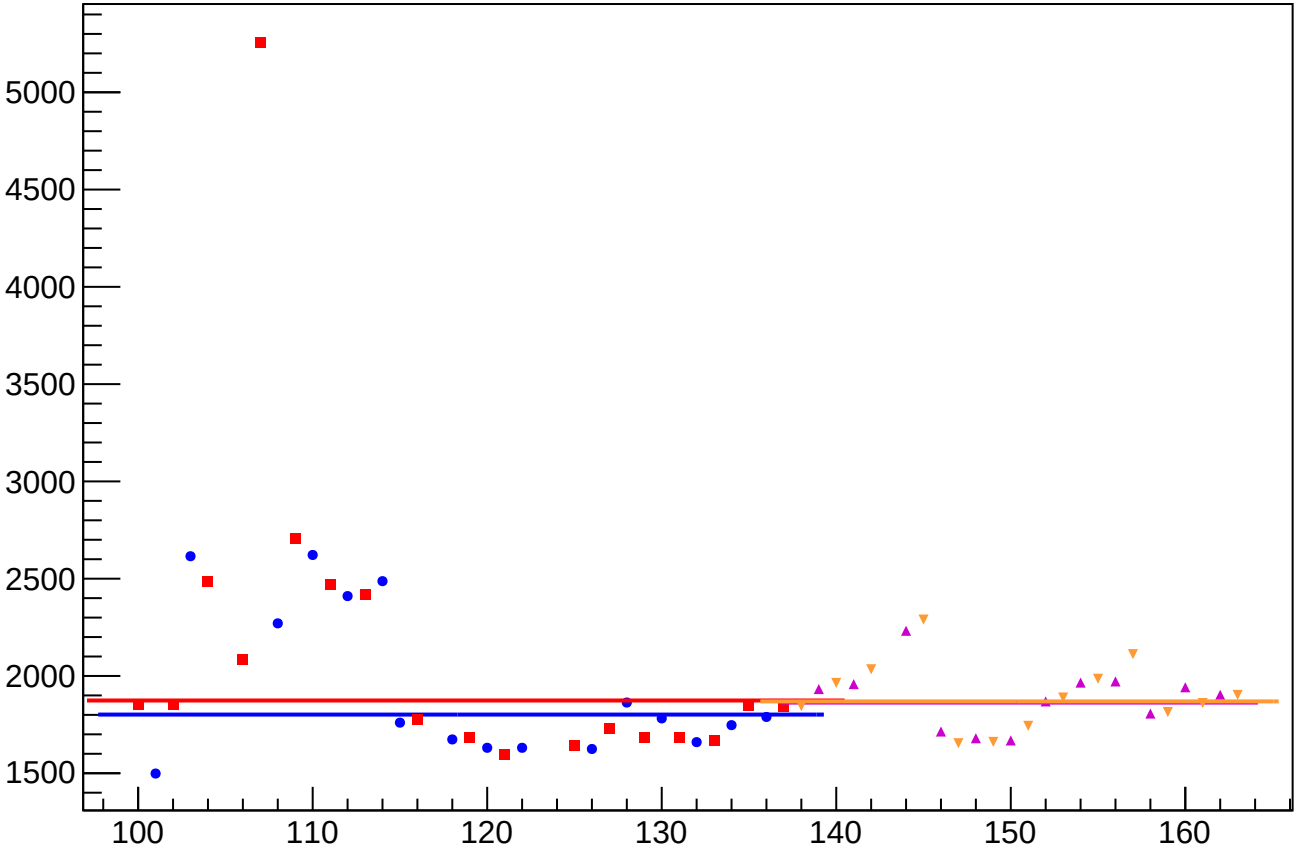
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1771.710+/-441.513 χ^2/NDF:20.8/27

Out: 2141.892+/-449.538 χ^2/NDF:43.1/30

All: 1953.468+/-314.996 χ^2/NDF: 64.3/58

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1869.221+/-0.412 χ^2/NDF:157135.5/12

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1863.160+/-0.411 χ^2/NDF:128278.2/11

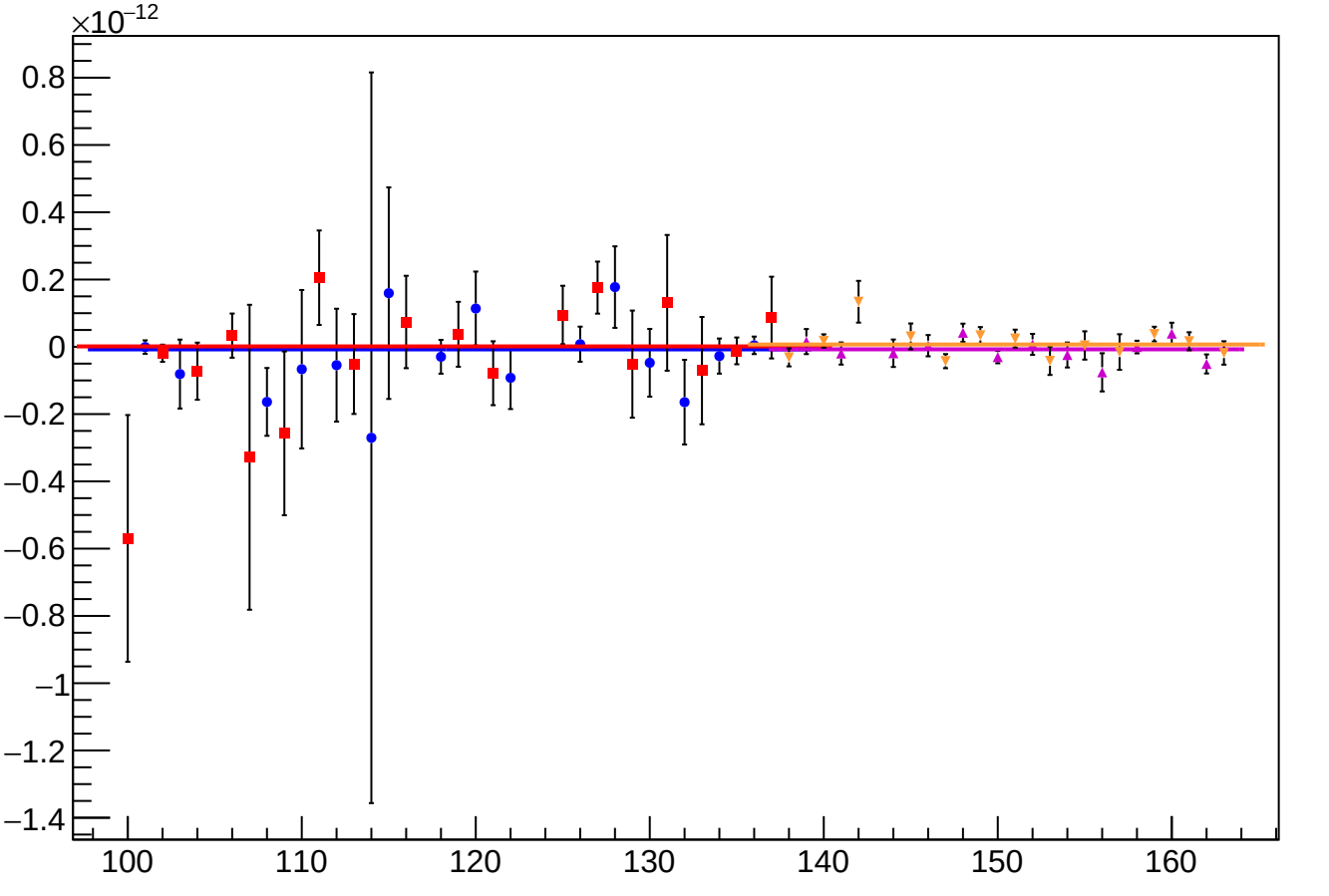
Left: 1866.183+/-0.291 χ^2/NDF: 285522.2/24

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1837.097+/-0.312 χ^2/NDF:538491.7/27

Out: 1871.145+/-0.318 χ^2/NDF:727098.3/30

All: 1853.814+/-0.223 χ^2/NDF: 1271429.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:12.1/11

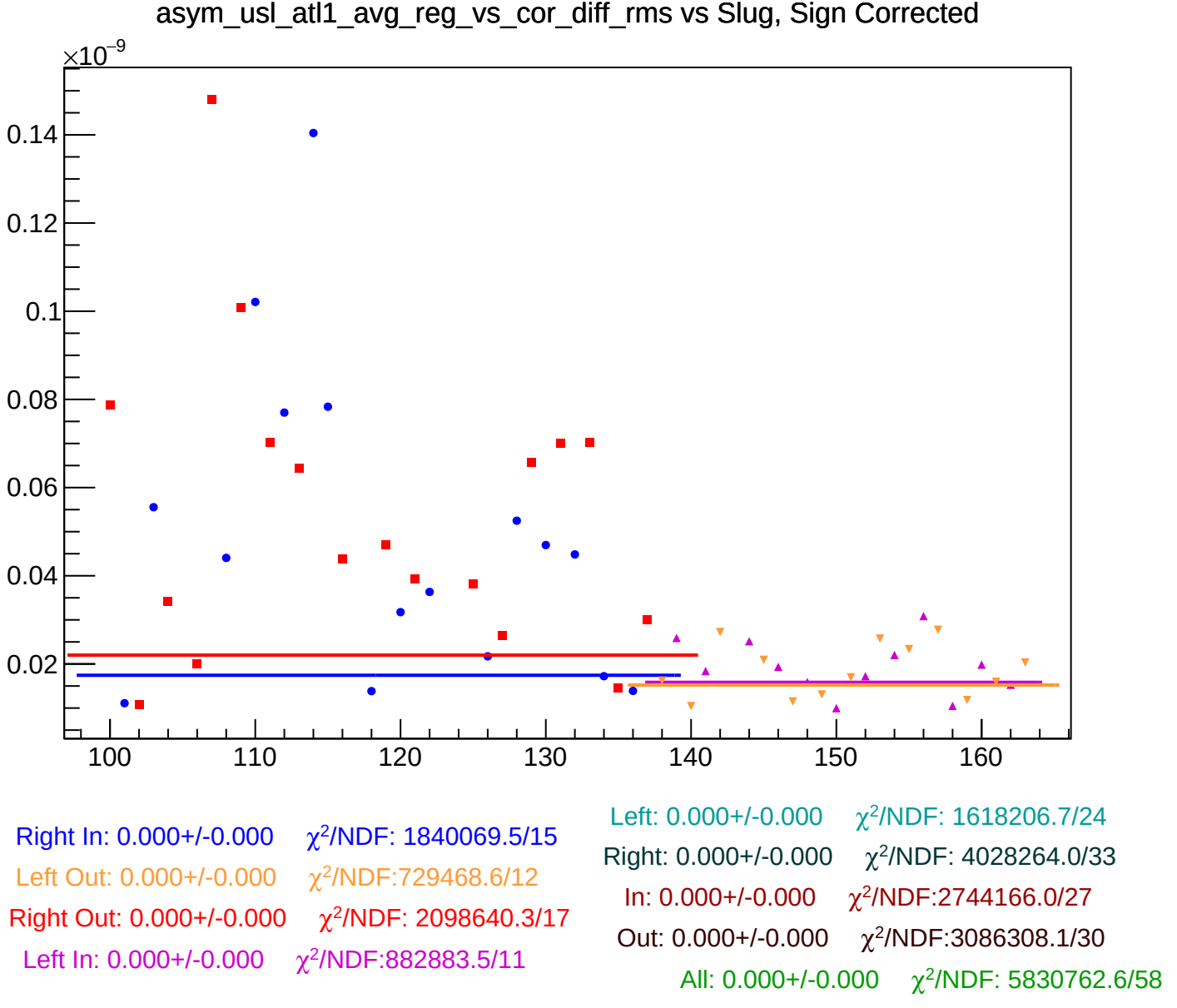
Left: -0.000+/-0.000 χ^2/NDF: 31.9/24

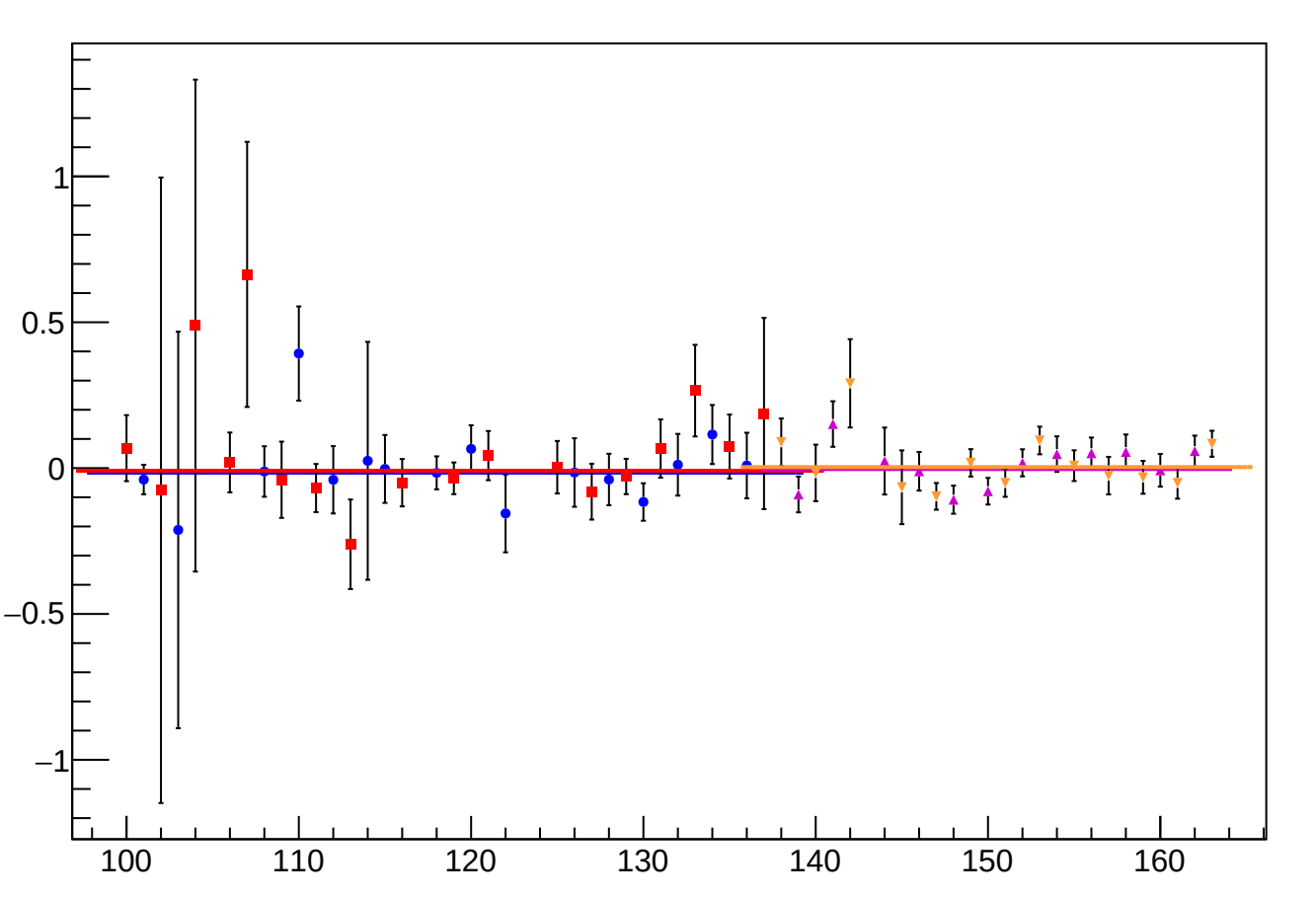
Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:22.3/27

Out: 0.000+/-0.000 χ^2/NDF:35.0/30

All: -0.000+/-0.000 χ^2/NDF: 59.1/58


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:729468.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:882883.5/11
Left: 0.000+/-0.000 χ²/NDF: 1618206.7/24
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:2744166.0/27
Out: 0.000+/-0.000 χ²/NDF:3086308.1/30
All: 0.000+/-0.000 χ²/NDF: 5830762.6/58



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.016 χ^2/NDF:17.8/11

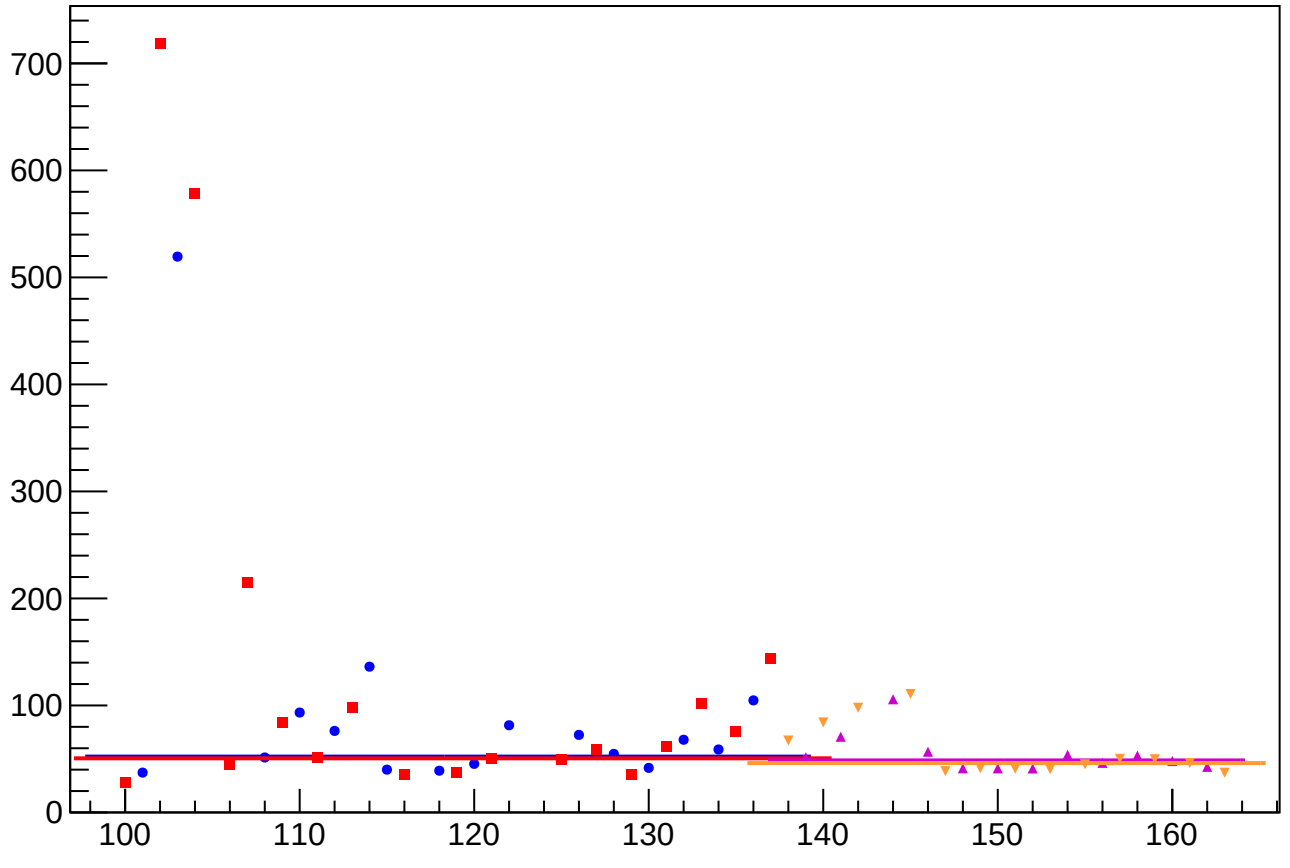
Left: 0.000+/-0.011 χ^2/NDF: 37.6/24

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:31.2/27

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.004+/-0.009 χ^2/NDF: 63.7/58



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.125+/-0.011 χ^2/NDF:1422059.8/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.628+/-0.012 χ^2/NDF:898270.1/11

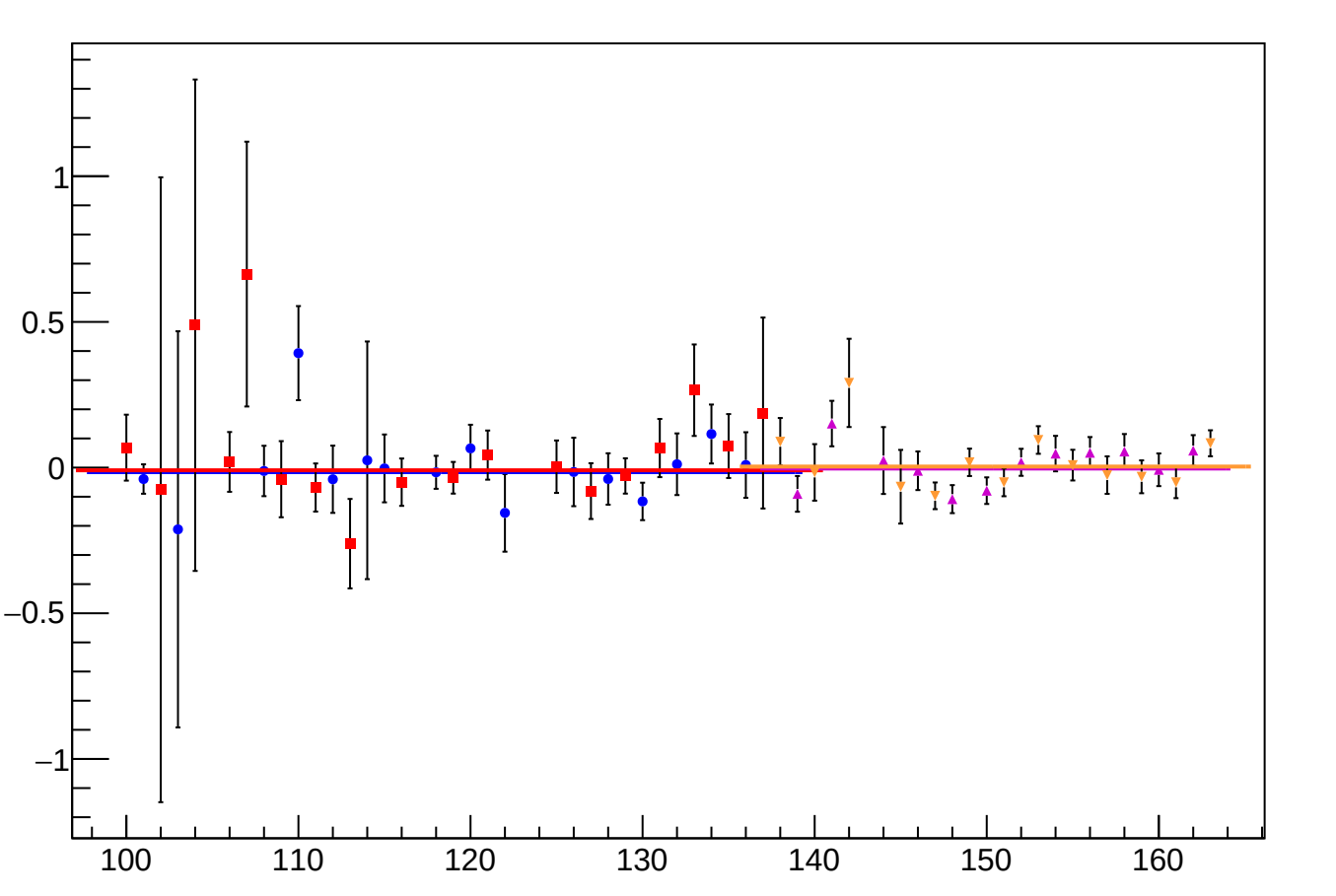
Left: 47.333+/-0.008 χ^2/NDF: 2344163.9/24

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.862+/-0.009 χ^2/NDF:3197563.7/27

Out: 47.521+/-0.009 χ^2/NDF:4522454.6/30

All: 48.681+/-0.007 χ^2/NDF: 7751164.0/58



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.016 χ^2/NDF:17.8/11

Left: 0.000+/-0.011 χ^2/NDF: 37.6/24

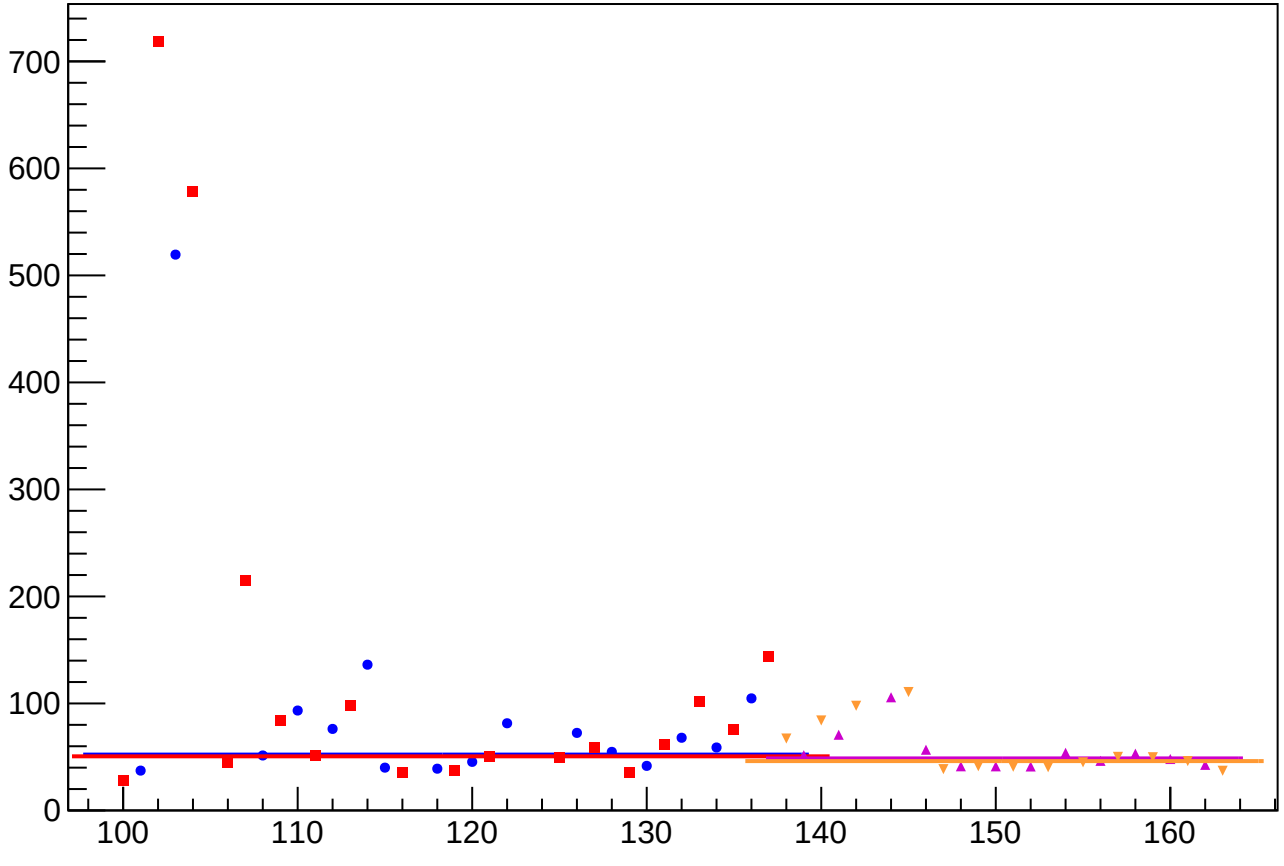
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:31.2/27

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.004+/-0.009 χ^2/NDF: 63.7/58

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.125+/-0.011 χ^2/NDF:1422059.8/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.628+/-0.012 χ^2/NDF:898270.1/11

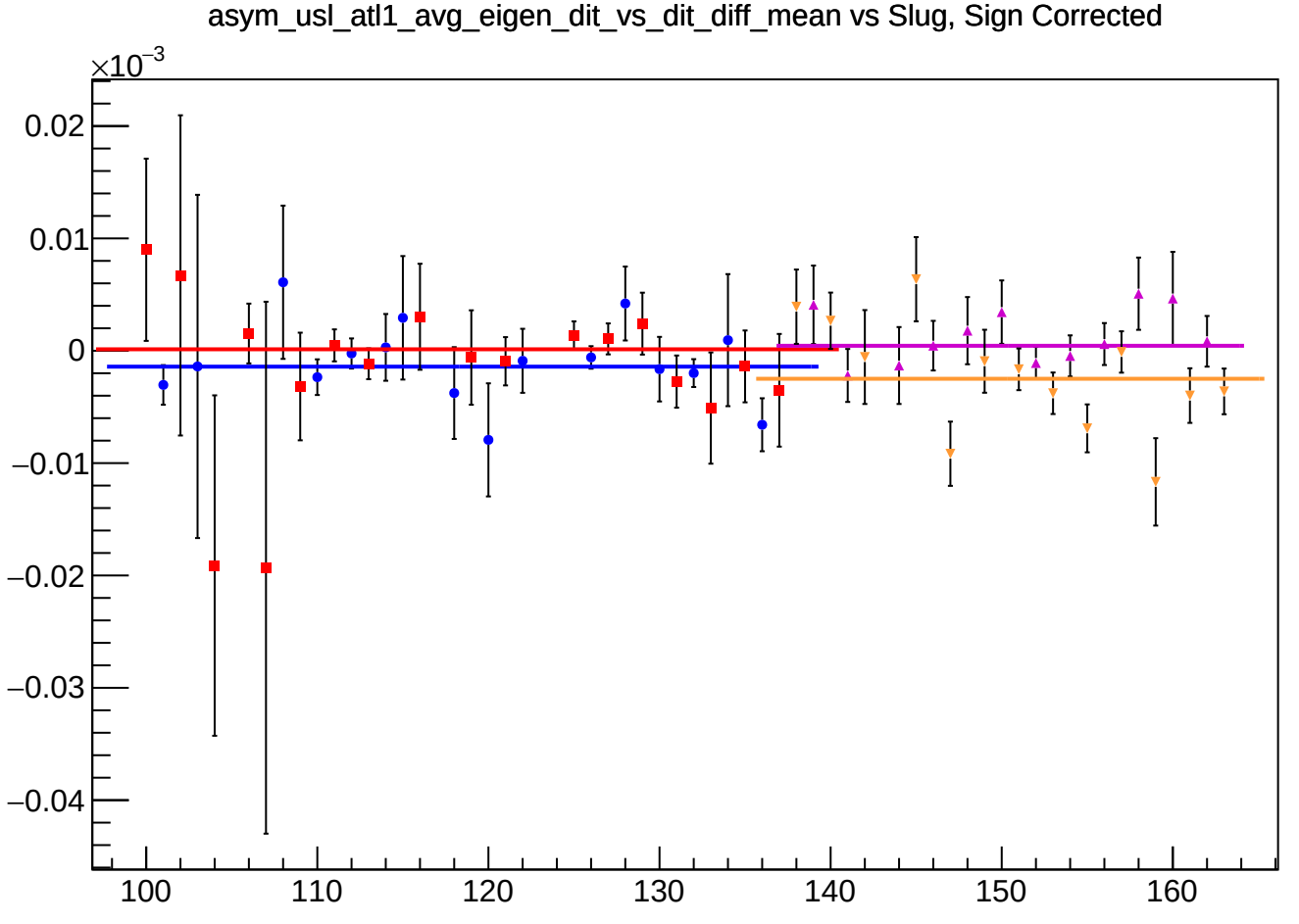
Left: 47.333+/-0.008 χ^2/NDF: 2344163.9/24

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.862+/-0.009 χ^2/NDF:3197563.7/27

Out: 47.521+/-0.009 χ^2/NDF:4522454.6/30

All: 48.681+/-0.007 χ^2/NDF: 7751164.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:8.5/11

Left: -0.000+/-0.000 χ^2/NDF: 50.5/24

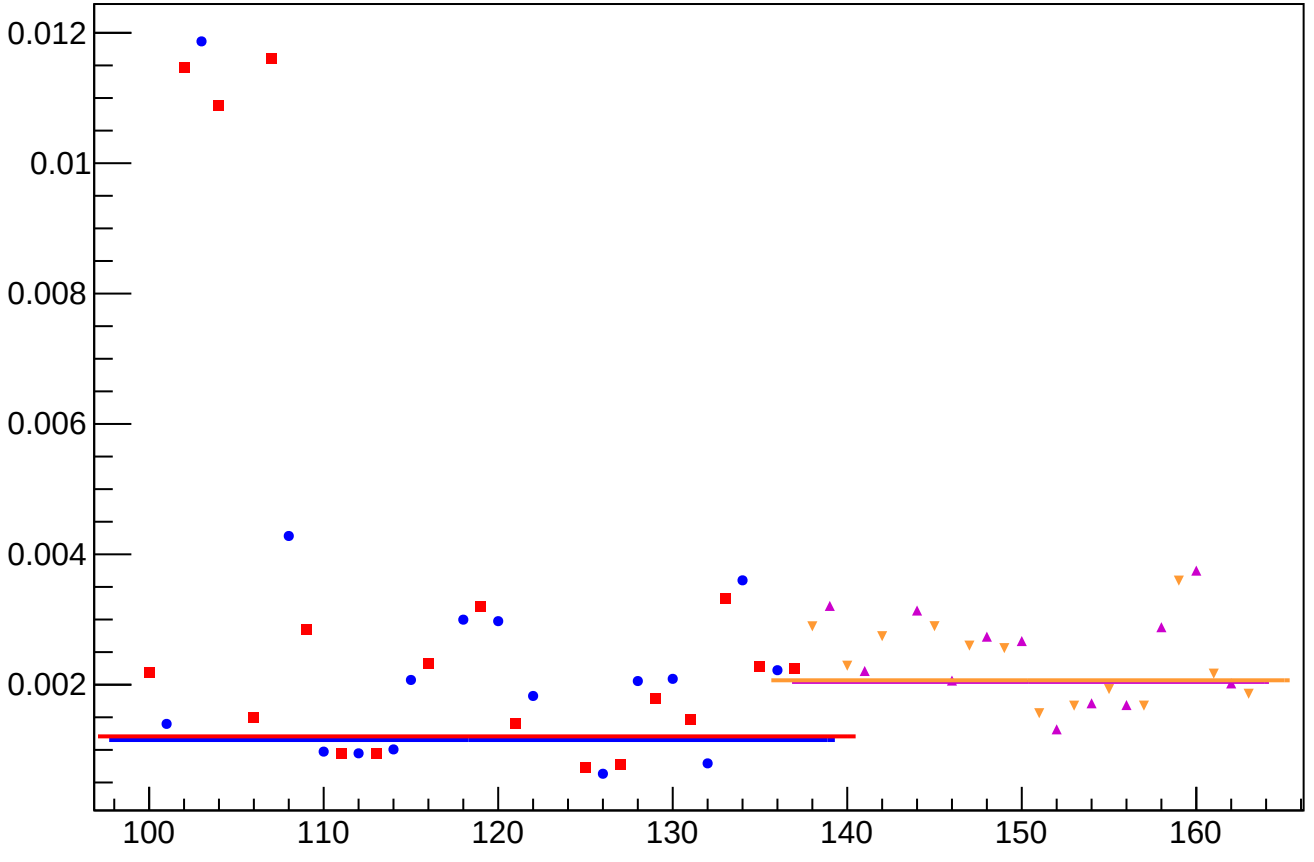
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:28.2/27

Out: -0.000+/-0.000 χ^2/NDF:53.1/30

All: -0.000+/-0.000 χ^2/NDF: 81.5/58

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1090474.5/12

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1771876.2/11

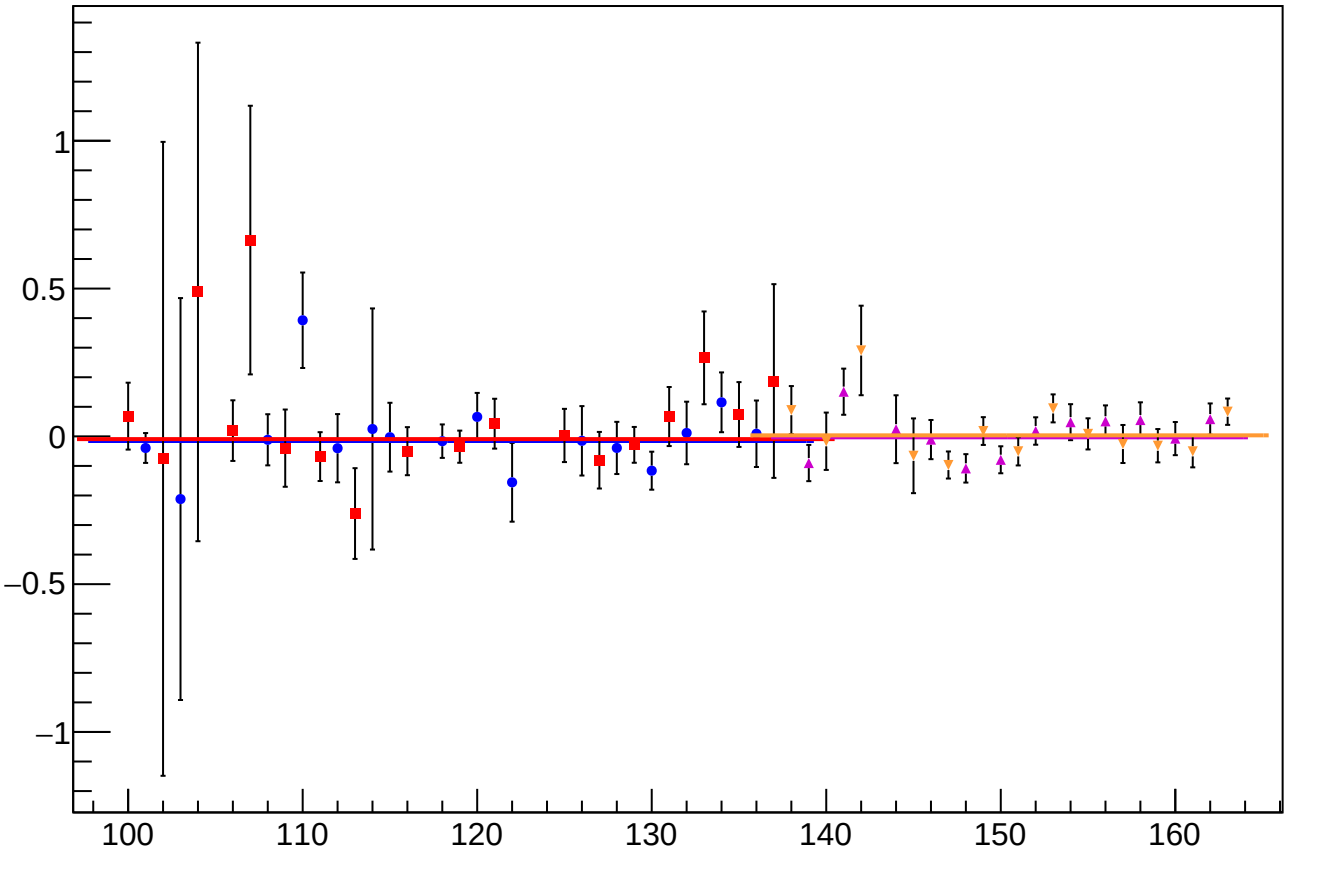
Left: 0.002+/-0.000 χ^2/NDF: 2863660.7/24

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8172561.8/27

Out: 0.002+/-0.000 χ^2/NDF:7550756.9/30

All: 0.002+/-0.000 χ^2/NDF: 15754055.7/58



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.016 χ^2/NDF:17.8/11

Left: 0.000+/-0.011 χ^2/NDF: 37.6/24

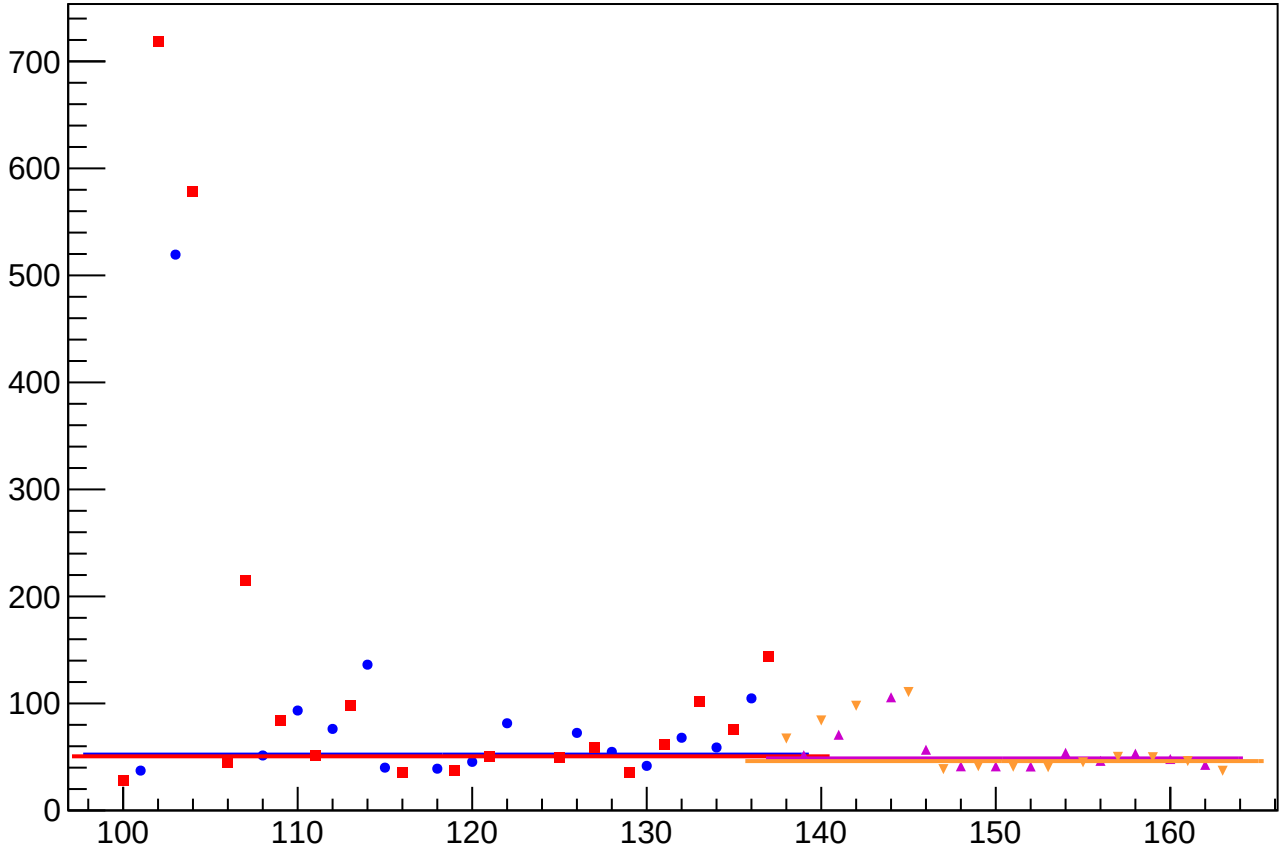
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:31.2/27

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.004+/-0.009 χ^2/NDF: 63.7/58

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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.628+/-0.012 χ^2/NDF:898278.3/11

Left: 47.333+/-0.008 χ^2/NDF: 2344166.7/24

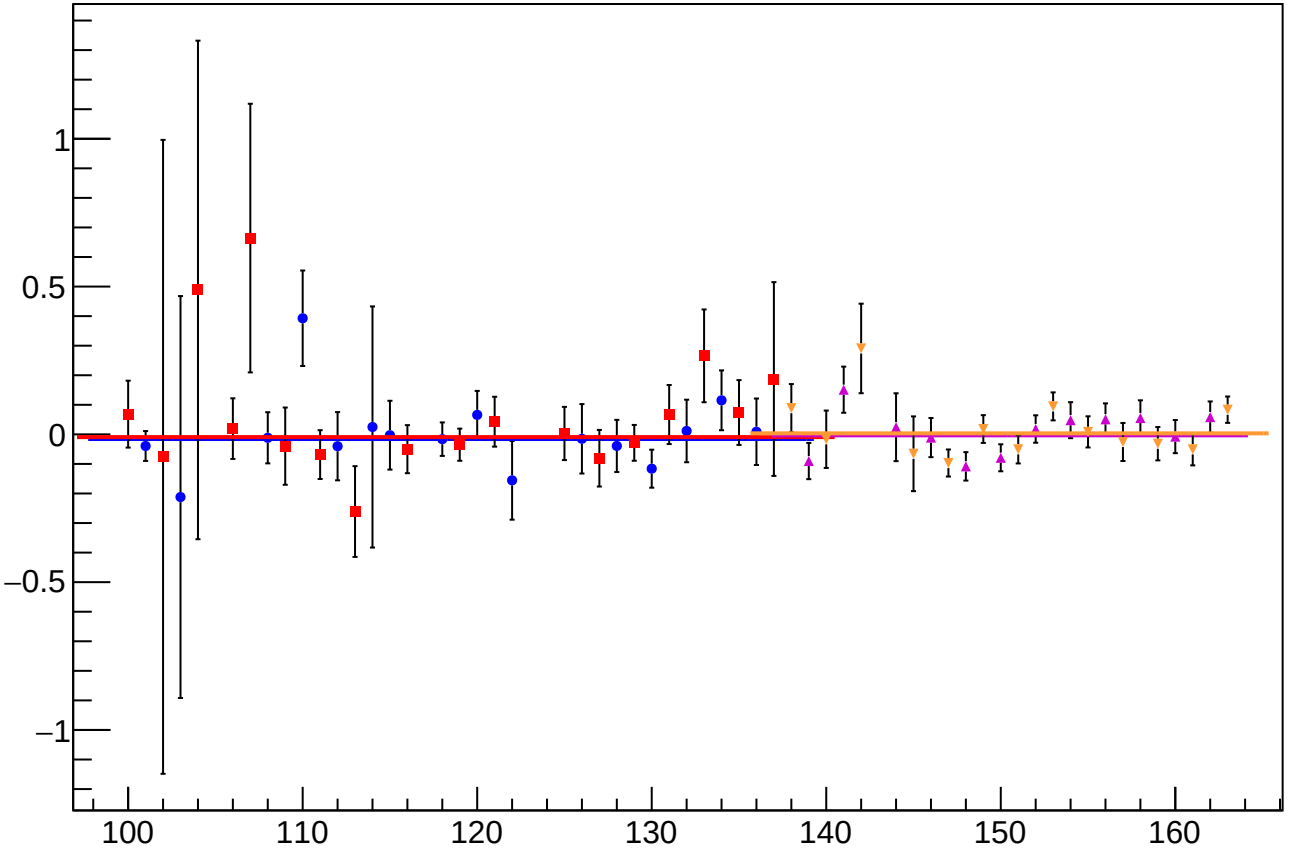
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.862+/-0.009 χ^2/NDF:3197562.8/27

Out: 47.521+/-0.009 χ^2/NDF:4522427.9/30

All: 48.681+/-0.007 χ^2/NDF: 7751137.3/58

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.003+/-0.016 χ^2/NDF:19.7/12

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.016 χ^2/NDF:17.8/11

Left: 0.000+/-0.011 χ^2/NDF: 37.6/24

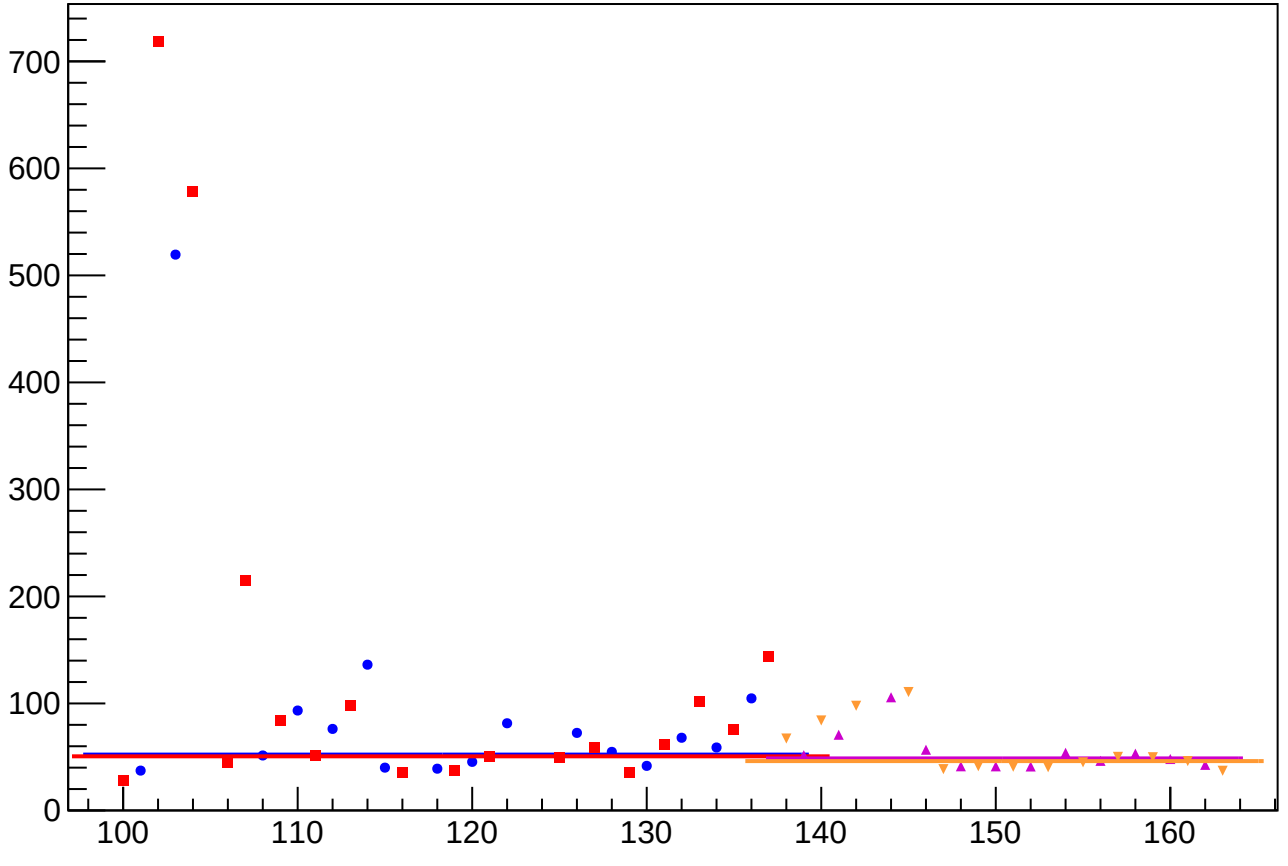
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.013 χ^2/NDF:31.2/27

Out: -0.001+/-0.013 χ^2/NDF:32.4/30

All: -0.004+/-0.009 χ^2/NDF: 63.7/58

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: 46.125+/-0.011 χ^2/NDF:1422054.2/12

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.628+/-0.012 χ^2/NDF:898278.3/11

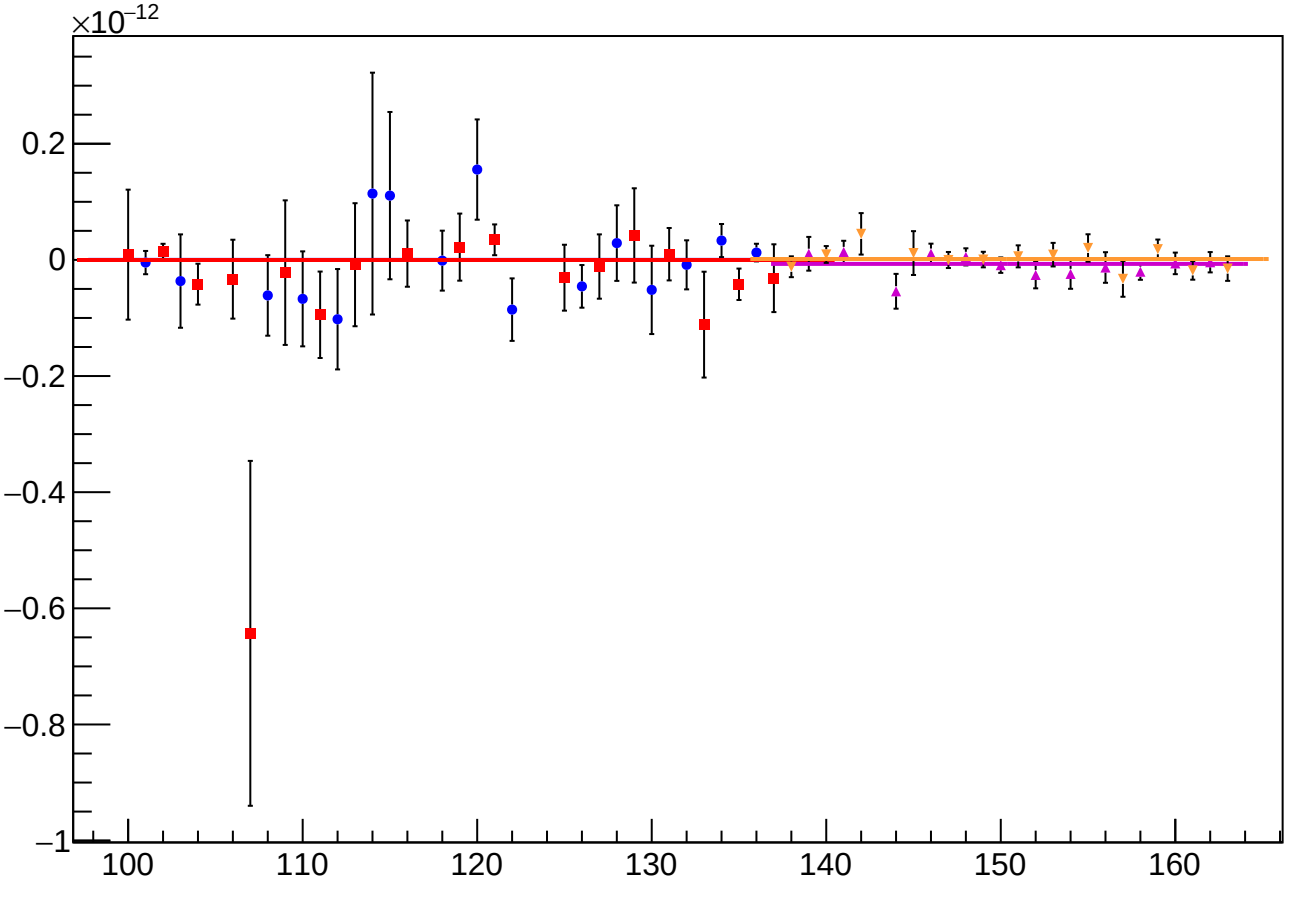
Left: 47.333+/-0.008 χ^2/NDF: 2344166.7/24

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.862+/-0.009 χ^2/NDF:3197562.8/27

Out: 47.521+/-0.009 χ^2/NDF:4522427.9/30

All: 48.681+/-0.007 χ^2/NDF: 7751137.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:7.9/11

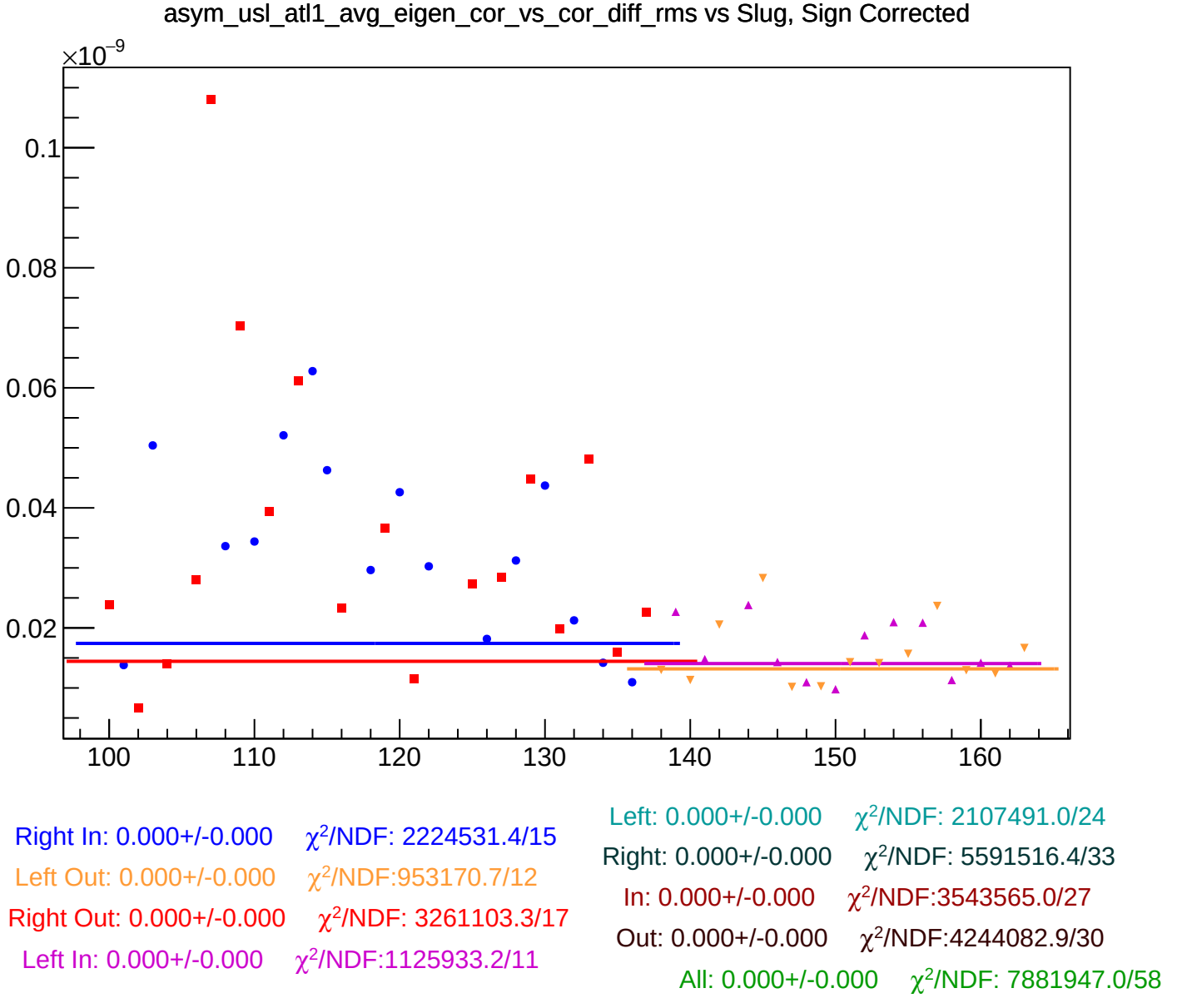
Left: -0.000+/-0.000 χ^2/NDF: 16.8/24

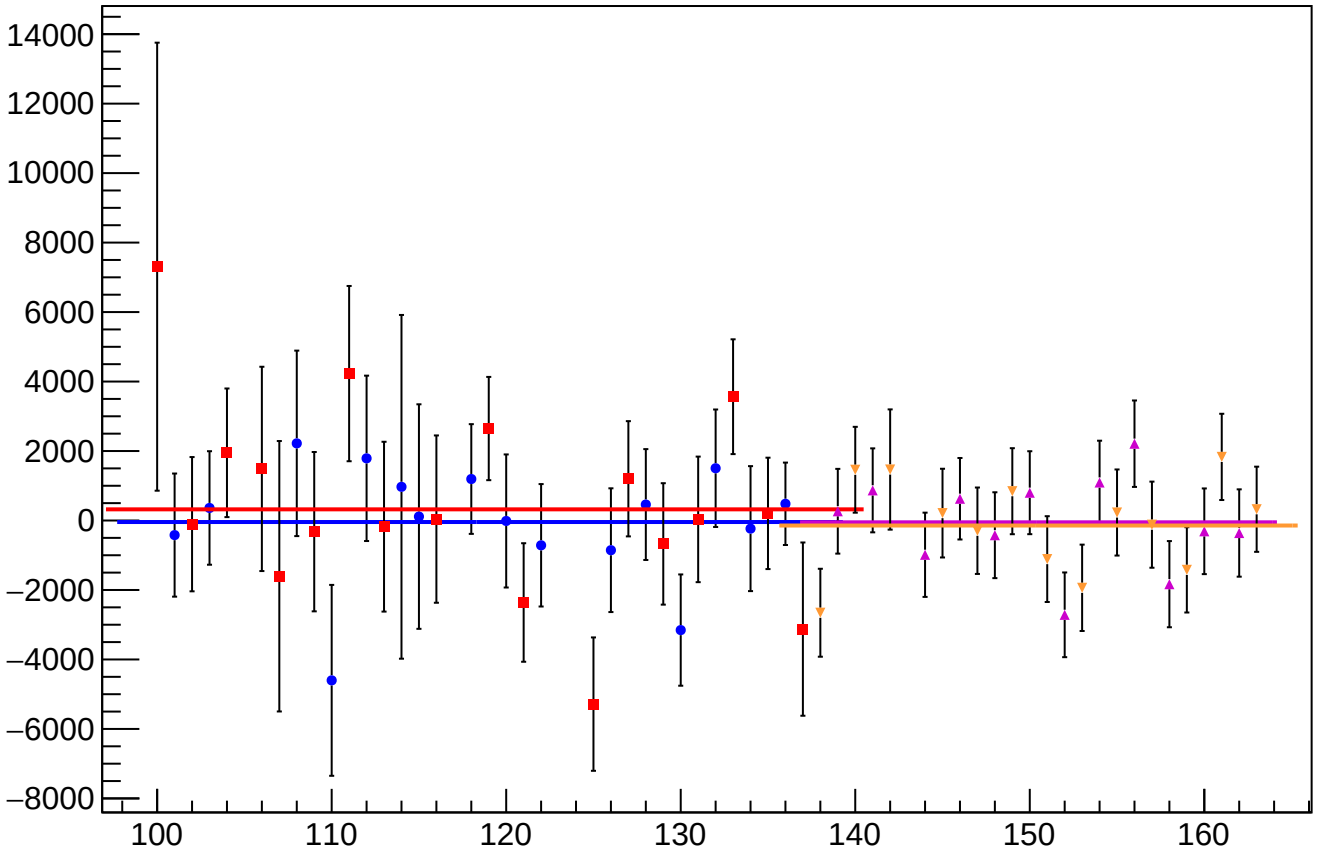
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:22.4/27

Out: 0.000+/-0.000 χ^2/NDF:23.7/30

All: -0.000+/-0.000 χ^2/NDF: 47.0/58


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:953170.7/12
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:1125933.2/11
Left: 0.000+/-0.000 χ²/NDF: 2107491.0/24
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3543565.0/27
Out: 0.000+/-0.000 χ²/NDF:4244082.9/30
All: 0.000+/-0.000 χ²/NDF: 7881947.0/58



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.246+/-351.183 χ^2/NDF:13.8/12

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: -52.190+/-352.005 χ^2/NDF:13.3/11

Left: -98.325+/-248.614 χ^2/NDF: 27.1/24

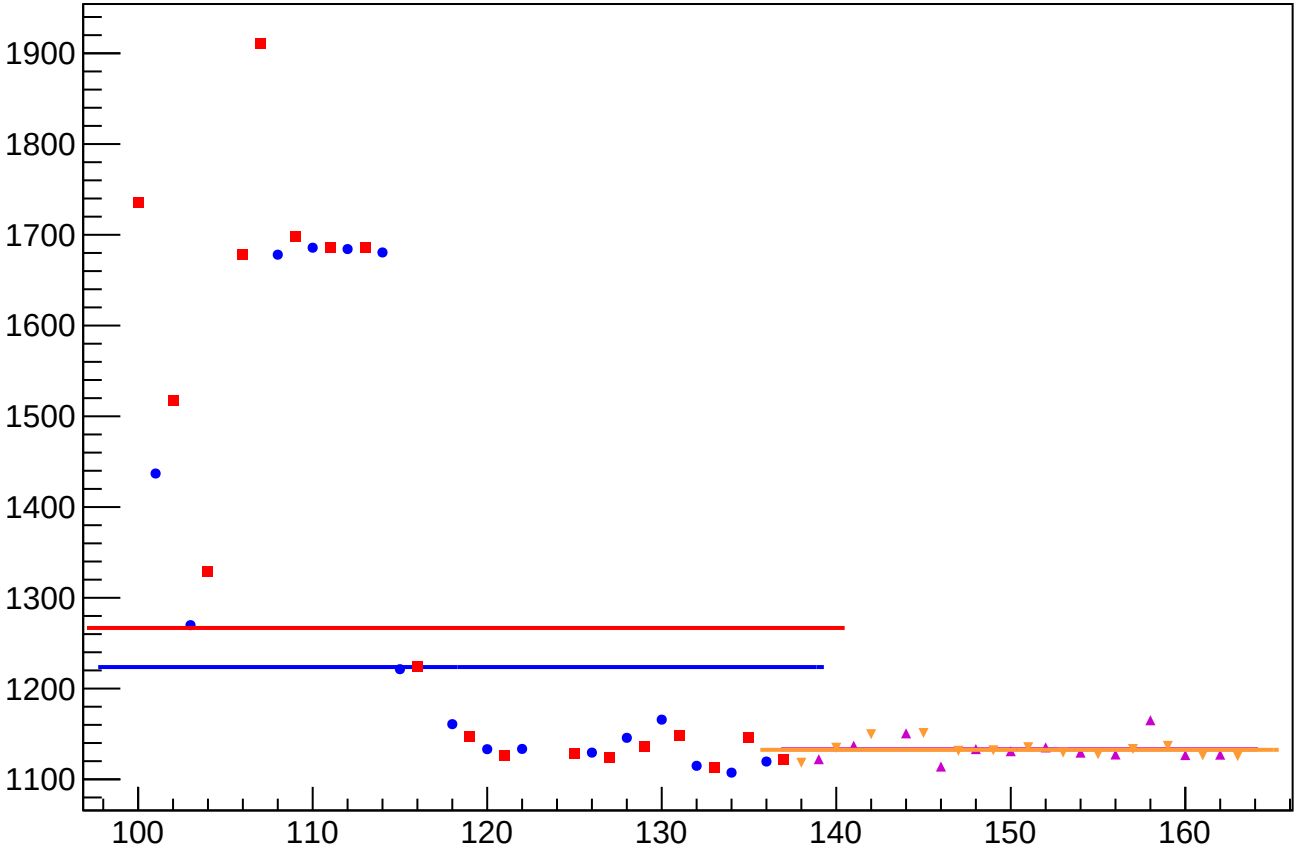
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -49.041+/-279.372 χ^2/NDF:23.4/27

Out: 20.305+/-282.373 χ^2/NDF:39.2/30

All: -14.738+/-198.598 χ^2/NDF: 62.6/58

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1133.135+/-0.249 χ^2/NDF:2629.0/11

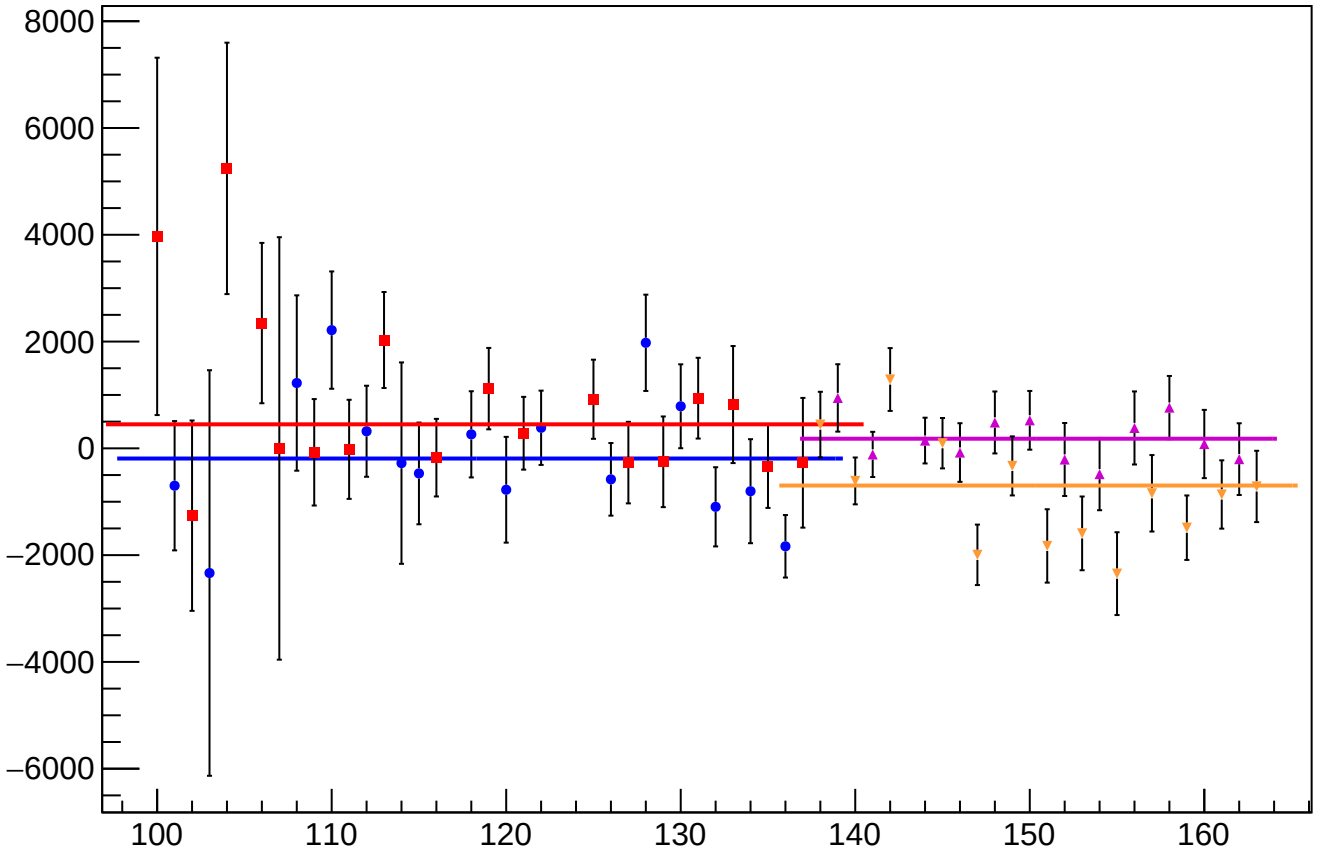
Left: 1132.820+/-0.176 χ^2/NDF: 3703.5/24

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1166.655+/-0.198 χ^2/NDF:346598.6/27

Out: 1179.970+/-0.200 χ^2/NDF:537266.4/30

All: 1173.241+/-0.140 χ^2/NDF: 886112.2/58



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -696.563+/-164.699 χ^2/NDF:34.1/12

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 180.294+/-164.162 χ^2/NDF:5.5/11

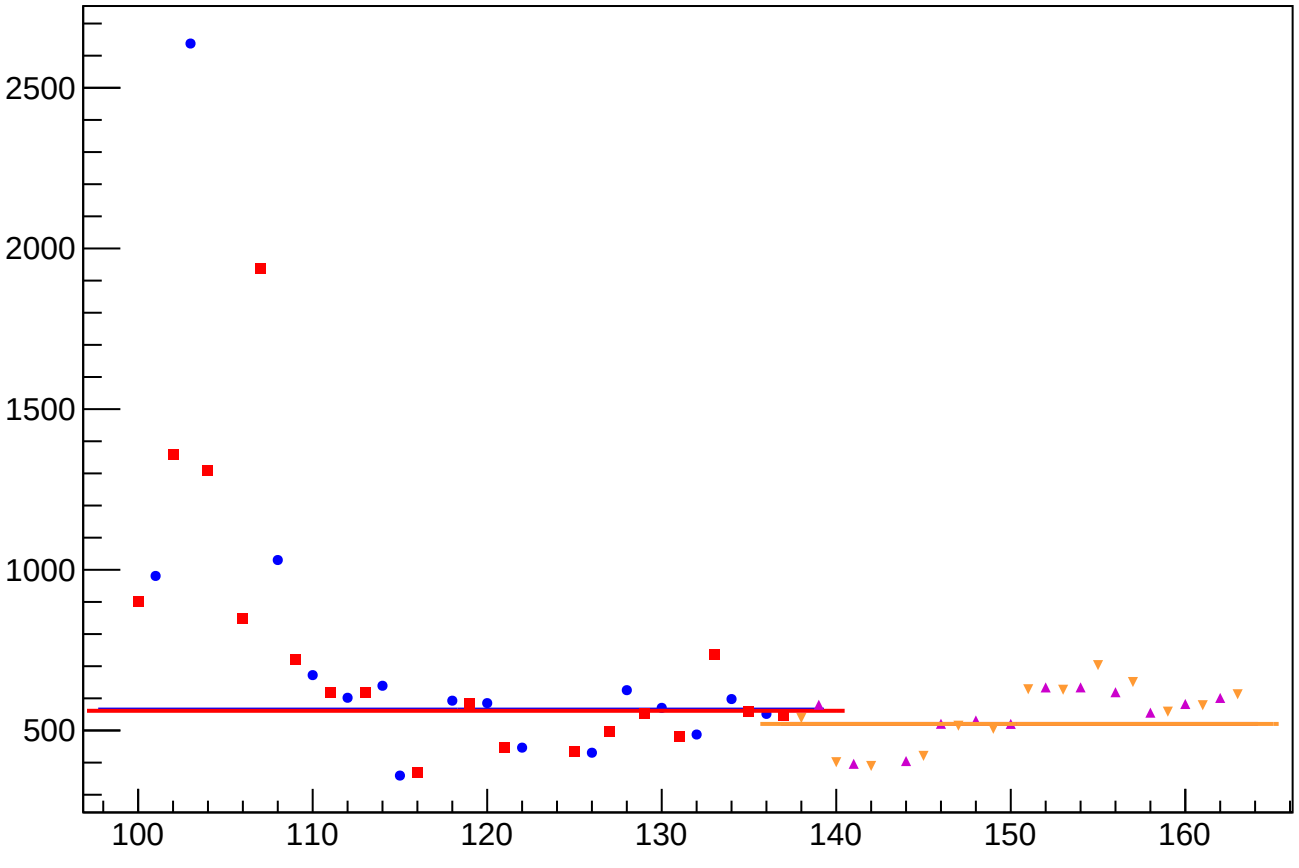
Left: -256.702+/-116.269 χ^2/NDF: 53.9/24

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 49.829+/-132.176 χ^2/NDF:32.6/27

Out: -292.415+/-132.526 χ^2/NDF:68.0/30

All: -120.840+/-93.586 χ^2/NDF: 103.9/58



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 520.364+/-0.116 χ^2/NDF:675658.2/12

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 520.296+/-0.116 χ^2/NDF:544002.1/11

Left: 520.330+/-0.082 χ^2/NDF: 1219660.4/24

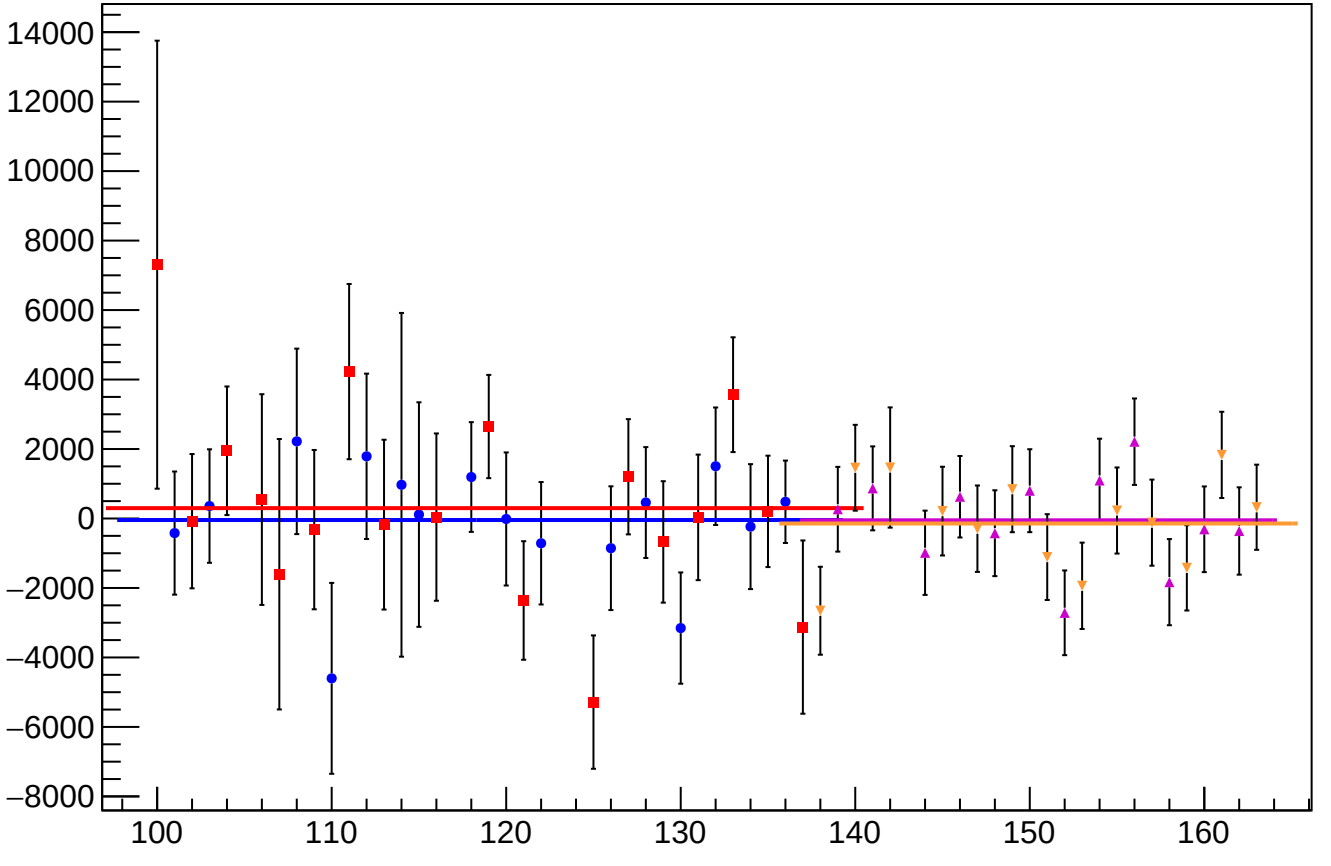
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 536.005+/-0.093 χ^2/NDF:1880550.4/27

Out: 534.776+/-0.094 χ^2/NDF:2071333.5/30

All: 535.392+/-0.066 χ^2/NDF: 3951970.2/58

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -52.202+/-352.005 χ^2/NDF:13.3/11

Left: -98.303+/-248.614 χ^2/NDF: 27.1/24

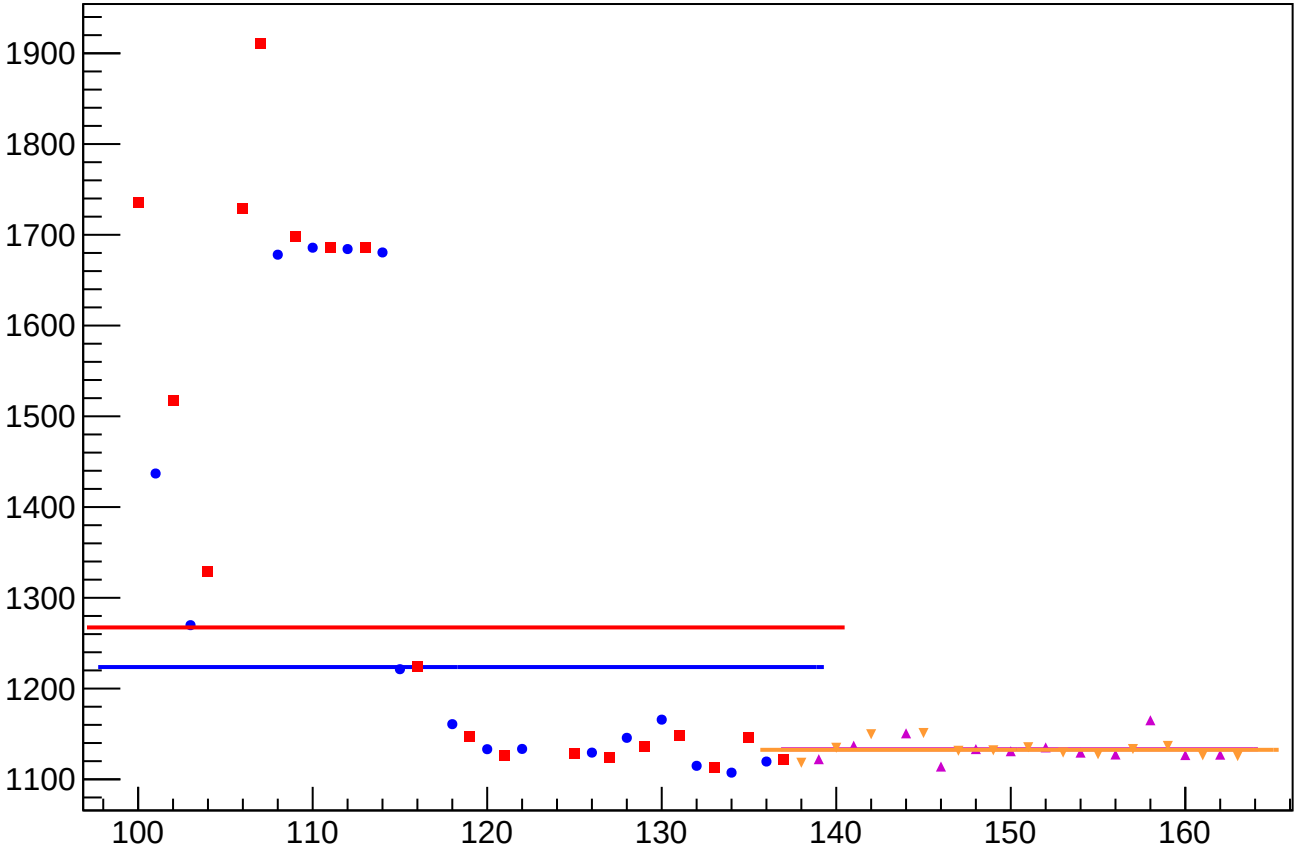
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -49.138+/-279.372 χ^2/NDF:23.4/27

Out: 12.031+/-282.452 χ^2/NDF:38.9/30

All: -18.889+/-198.626 χ^2/NDF: 62.4/58

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.135+/-0.249 χ^2/NDF:2629.0/11

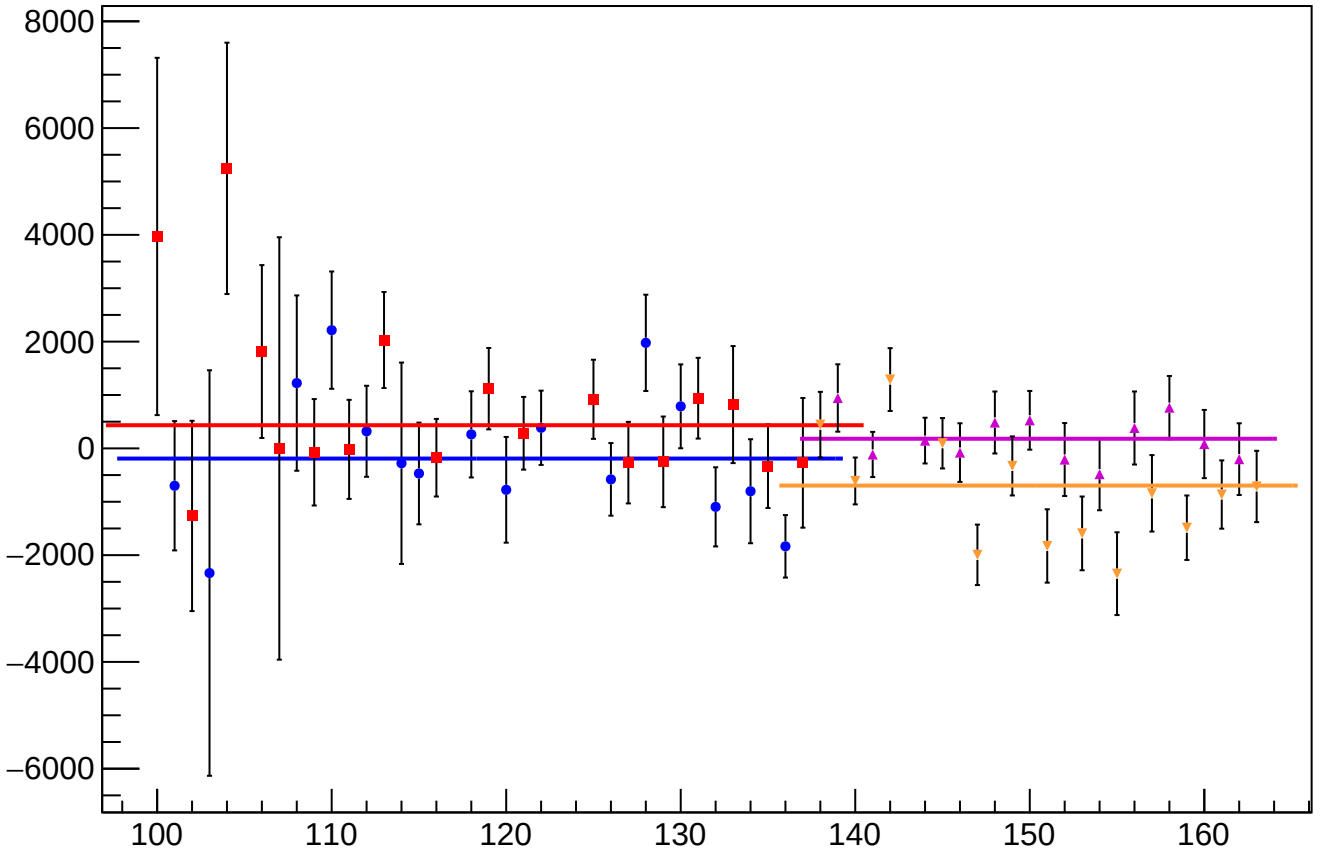
Left: 1132.820+/-0.176 χ^2/NDF: 3703.5/24

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1166.655+/-0.198 χ^2/NDF:346598.6/27

Out: 1180.128+/-0.200 χ^2/NDF:545196.9/30

All: 1173.318+/-0.140 χ^2/NDF: 894095.7/58



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -696.567+/-164.698 χ^2/NDF:34.1/12

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 180.314+/-164.162 χ^2/NDF:5.5/11

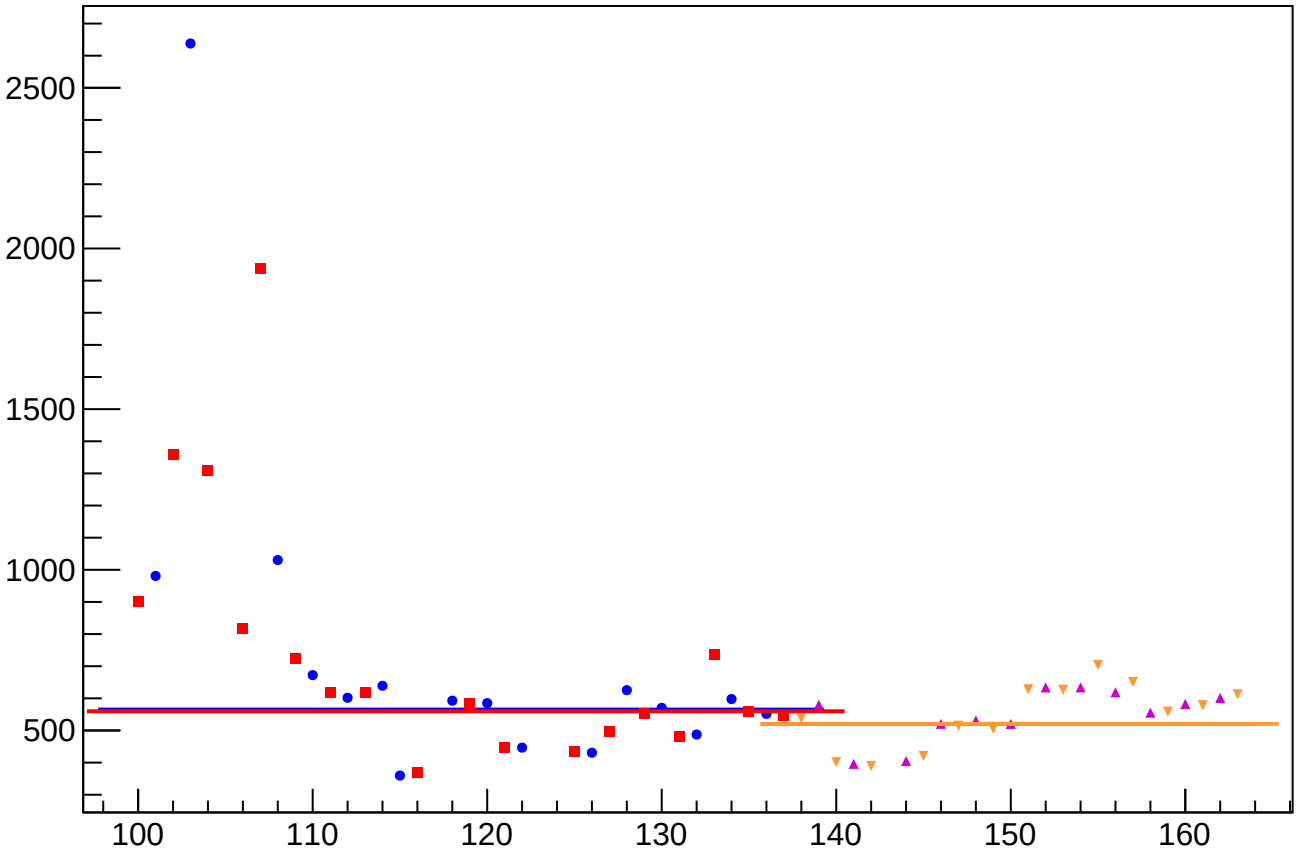
Left: -256.696+/-116.269 χ^2/NDF: 53.9/24

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 49.837+/-132.175 χ^2/NDF:32.6/27

Out: -298.845+/-132.597 χ^2/NDF:66.6/30

All: -123.949+/-93.611 χ^2/NDF: 102.7/58



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 520.297+/-0.116 χ^2/NDF:543966.4/11

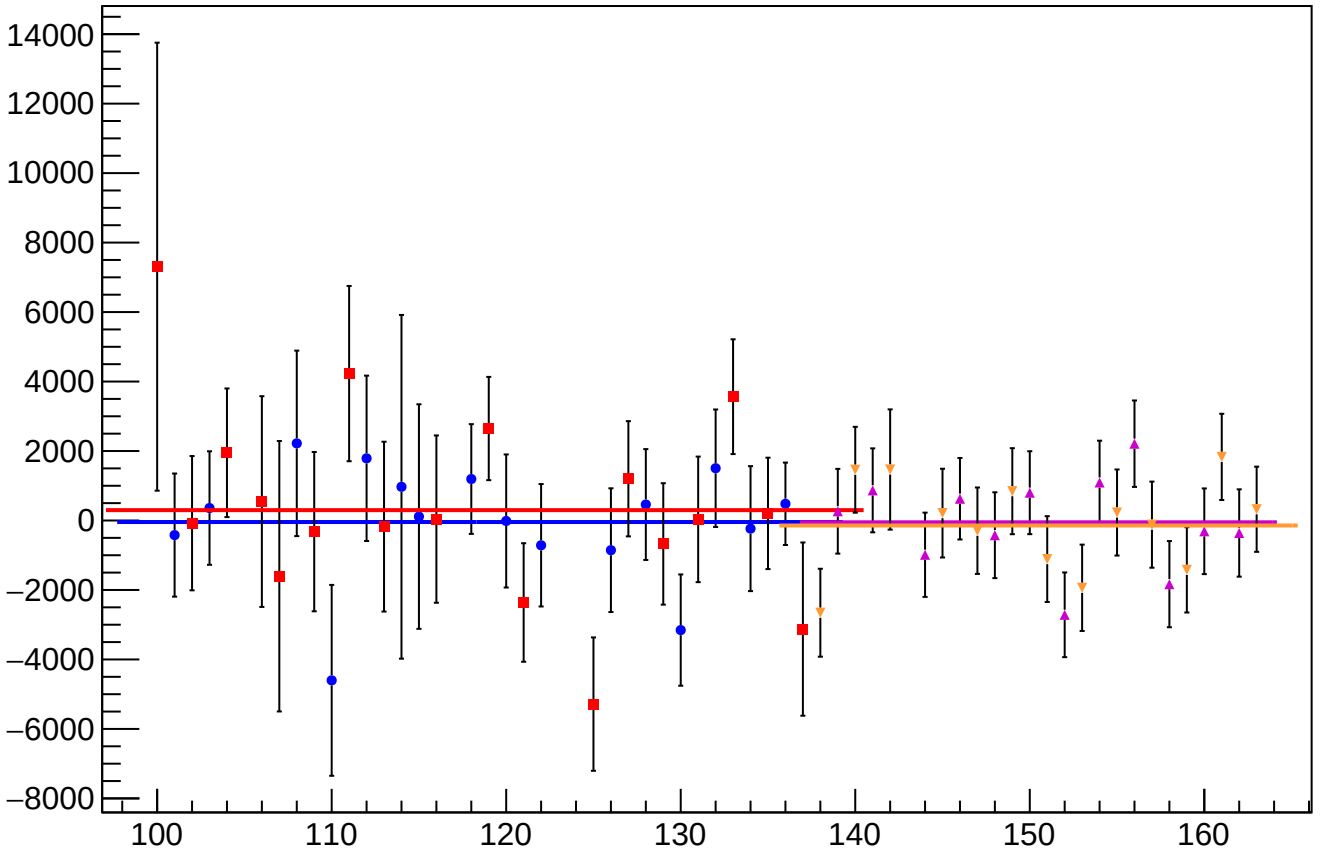
Left: 520.329+/-0.082 χ^2/NDF: 1219596.9/24

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 536.004+/-0.093 χ^2/NDF:1880478.9/27

Out: 534.222+/-0.094 χ^2/NDF:2045248.2/30

All: 535.116+/-0.066 χ^2/NDF: 3925908.2/58



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: -144.189+/-351.183 χ^2/NDF:13.8/12

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: -52.202+/-352.005 χ^2/NDF:13.3/11

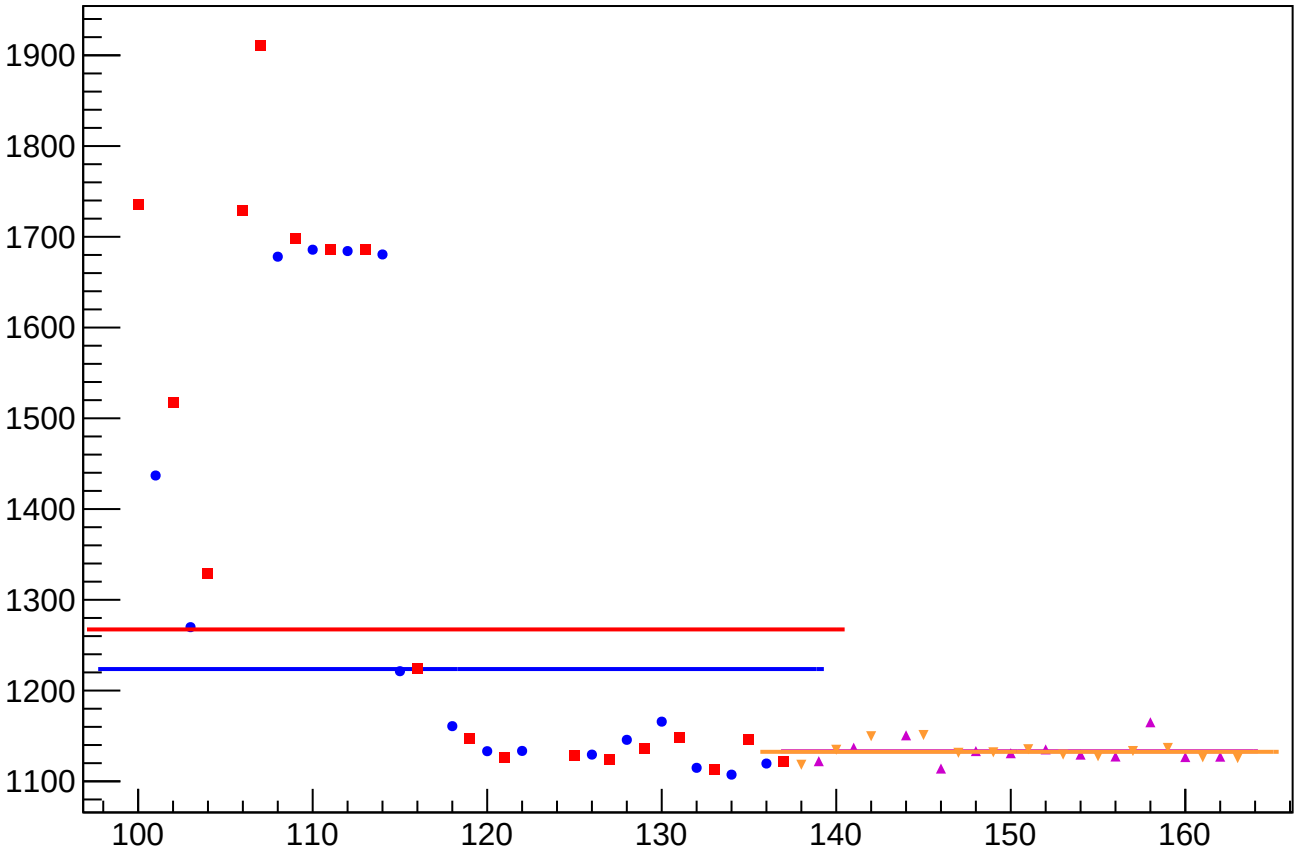
Left: -98.303+/-248.614 χ^2/NDF: 27.1/24

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -49.138+/-279.372 χ^2/NDF:23.4/27

Out: 12.031+/-282.452 χ^2/NDF:38.9/30

All: -18.889+/-198.626 χ^2/NDF: 62.4/58



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1132.507+/-0.248 χ^2/NDF:1071.3/12

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1133.135+/-0.249 χ^2/NDF:2629.0/11

Left: 1132.820+/-0.176 χ^2/NDF: 3703.5/24

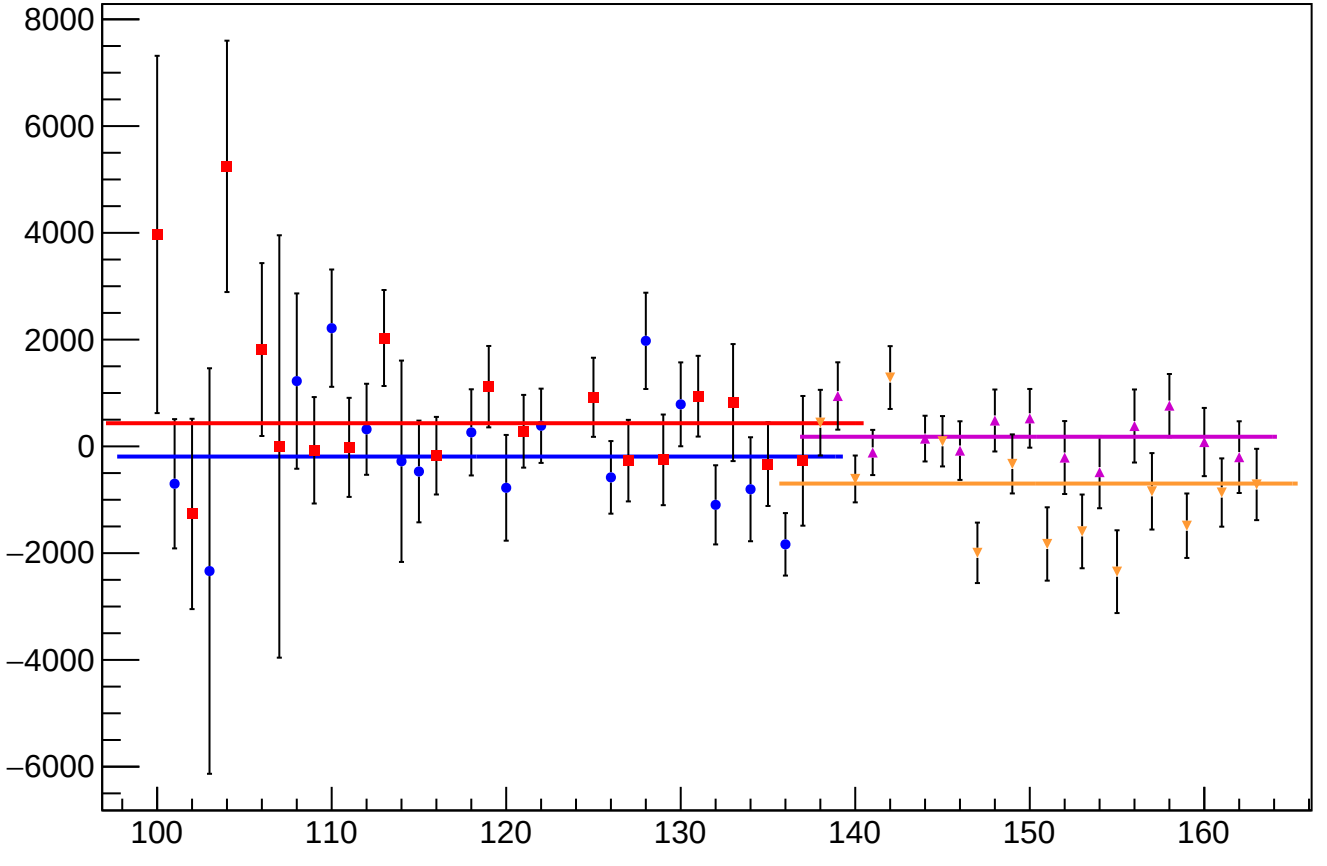
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1166.655+/-0.198 χ^2/NDF:346598.6/27

Out: 1180.128+/-0.200 χ^2/NDF:545196.9/30

All: 1173.318+/-0.140 χ^2/NDF: 894095.7/58

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -696.567+/-164.698 χ^2/NDF:34.1/12

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 180.314+/-164.162 χ^2/NDF:5.5/11

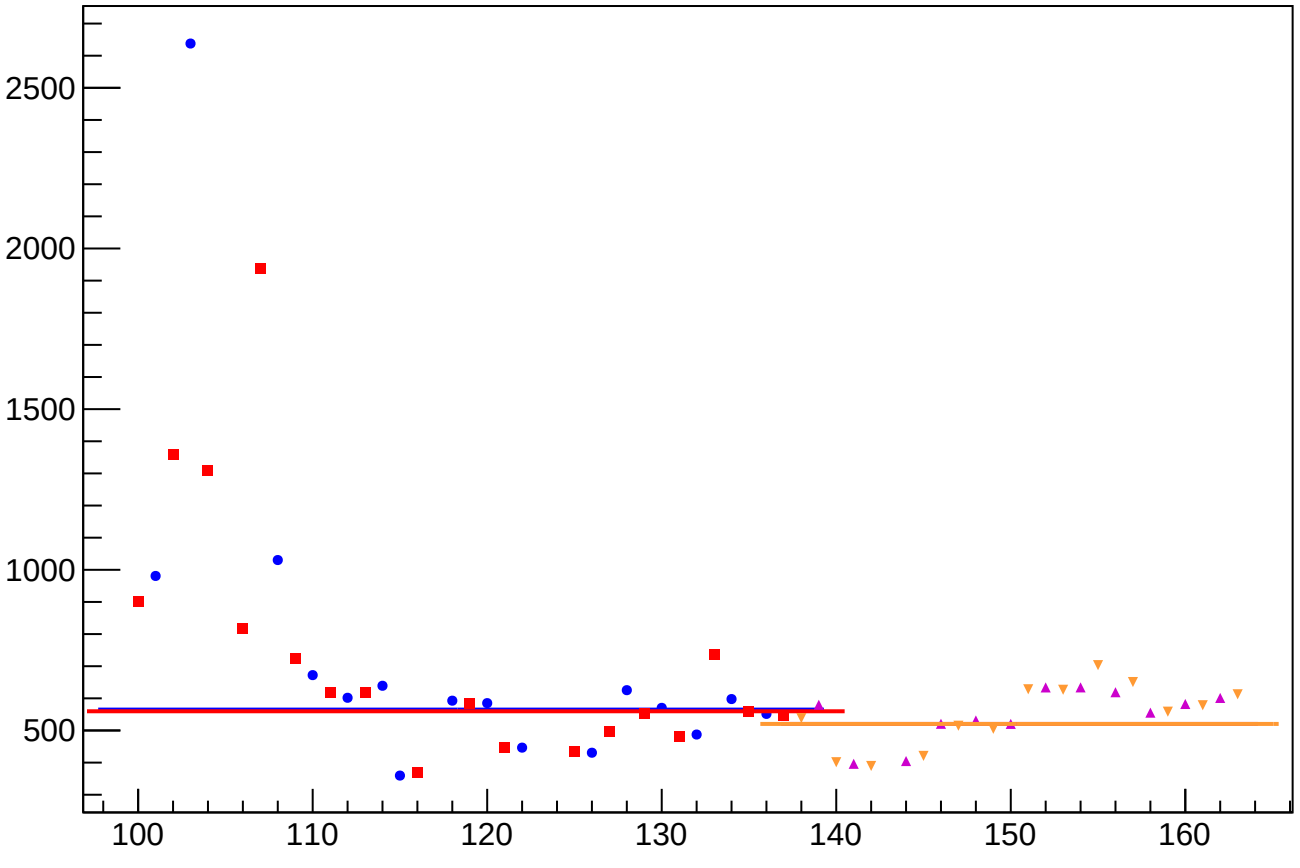
Left: -256.696+/-116.269 χ^2/NDF: 53.9/24

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 49.837+/-132.175 χ^2/NDF:32.6/27

Out: -298.845+/-132.597 χ^2/NDF:66.6/30

All: -123.949+/-93.611 χ^2/NDF: 102.7/58



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 520.362+/-0.116 χ^2/NDF:675630.4/12

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 520.297+/-0.116 χ^2/NDF:543966.4/11

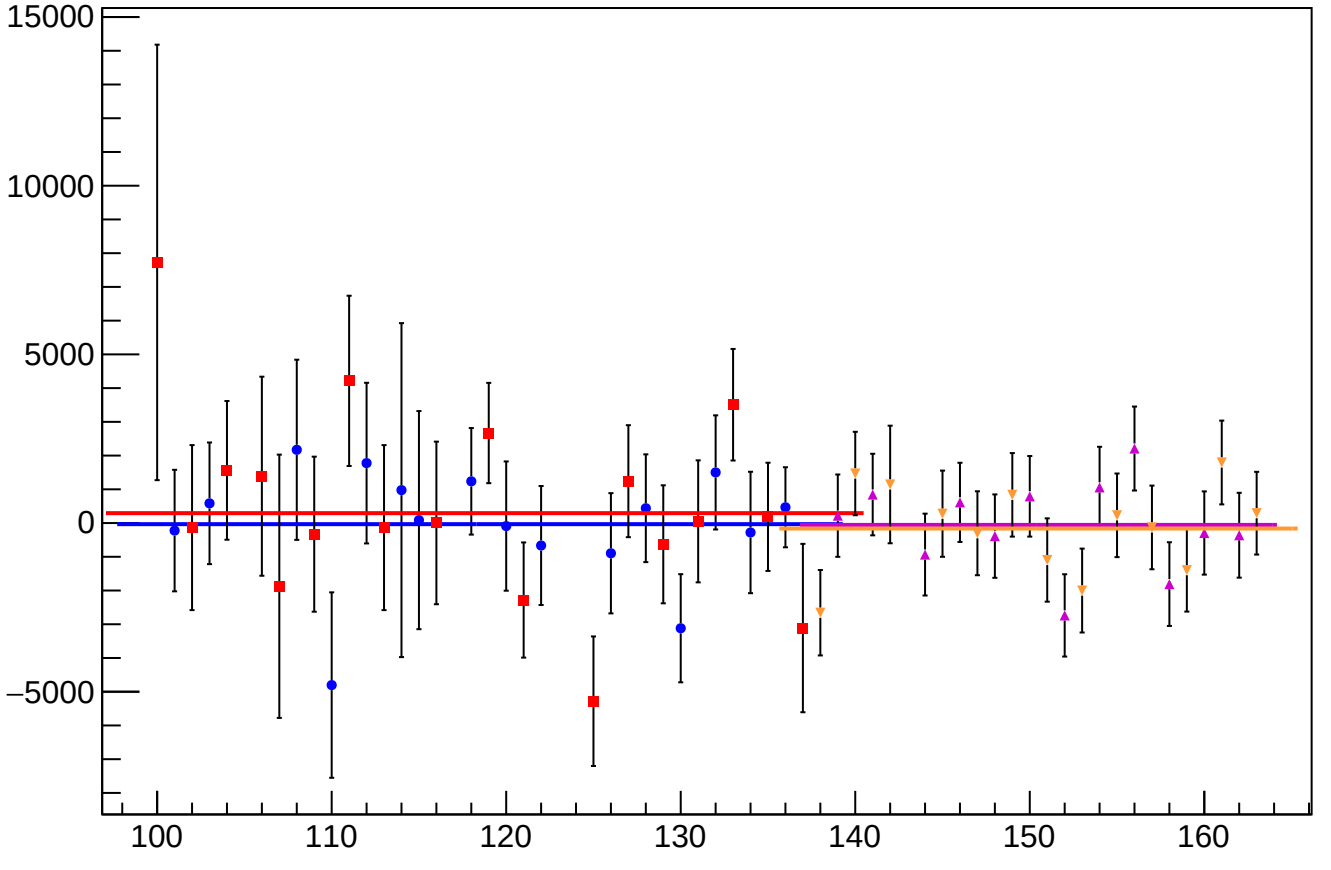
Left: 520.329+/-0.082 χ^2/NDF: 1219596.9/24

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 536.004+/-0.093 χ^2/NDF:1880478.9/27

Out: 534.222+/-0.094 χ^2/NDF:2045248.2/30

All: 535.116+/-0.066 χ^2/NDF: 3925908.2/58



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -162.555+/-351.418 χ^2/NDF:13.5/12

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -55.019+/-352.137 χ^2/NDF:13.1/11

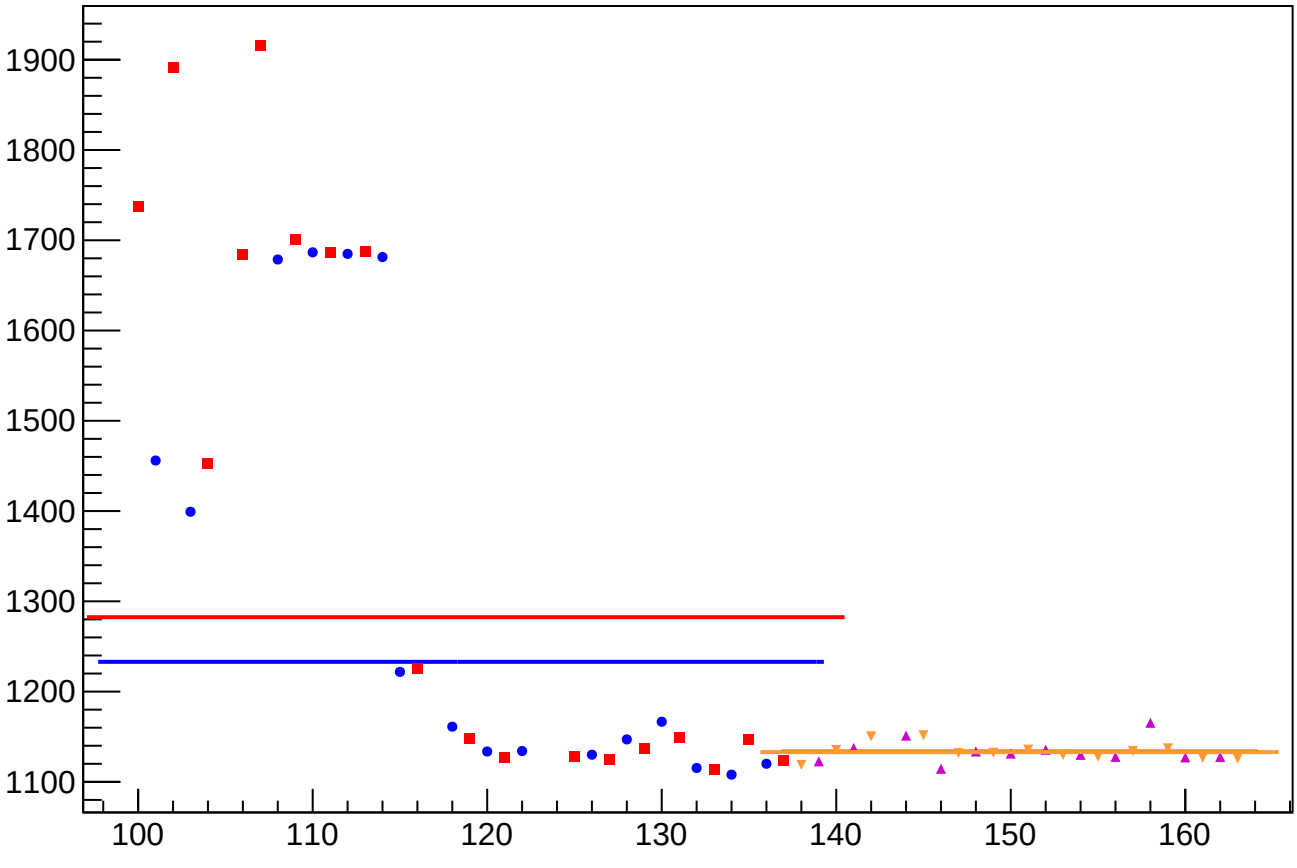
Left: -108.897+/-248.744 χ^2/NDF: 26.6/24

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -46.977+/-280.331 χ^2/NDF:23.4/27

Out: -5.097+/-284.334 χ^2/NDF:38.3/30

All: -26.334+/-199.624 χ^2/NDF: 61.7/58



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1132.964+/-0.248 χ^2/NDF:1083.1/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1133.560+/-0.249 χ^2/NDF:2626.7/11

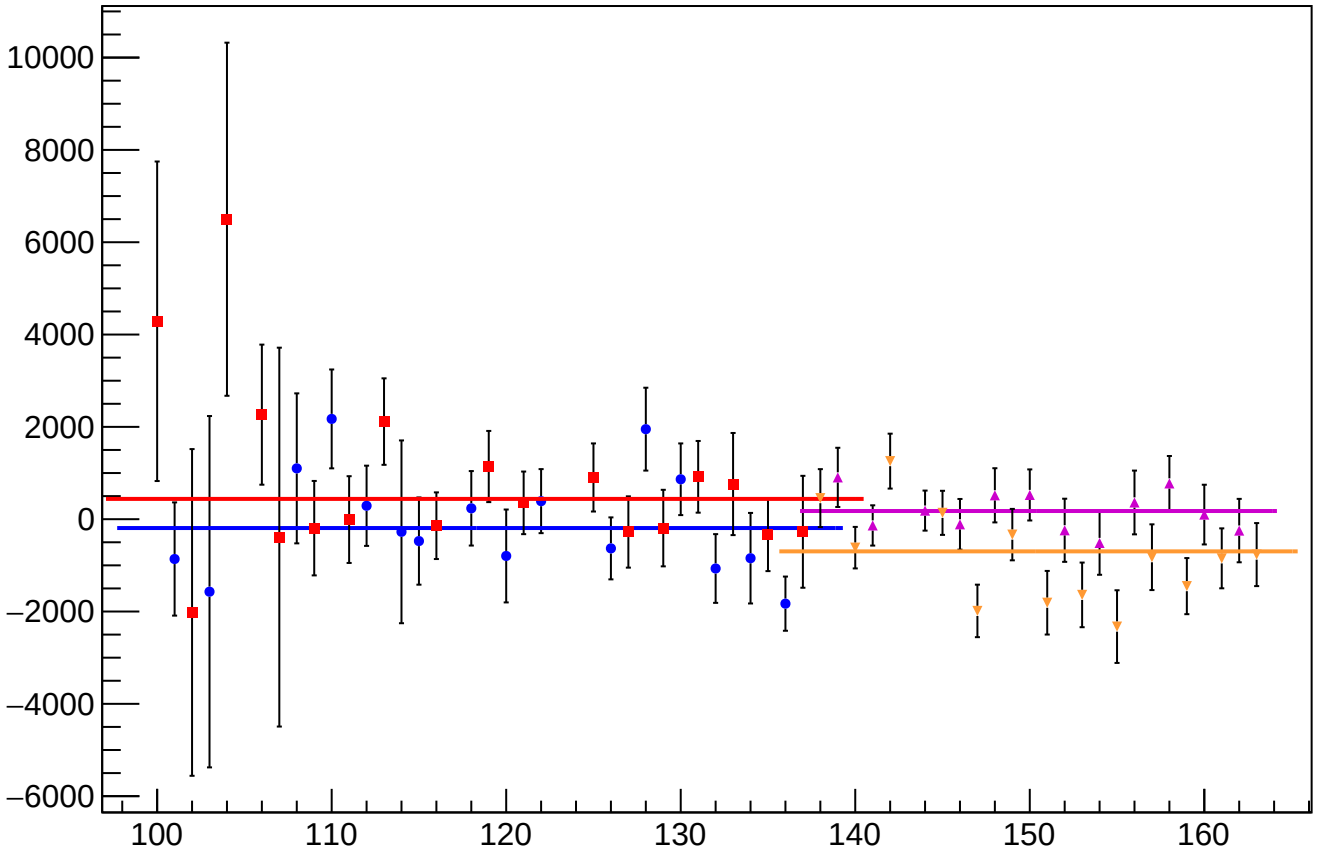
Left: 1133.262+/-0.176 χ^2/NDF: 3712.6/24

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1169.967+/-0.198 χ^2/NDF:376468.3/27

Out: 1184.574+/-0.201 χ^2/NDF:669394.6/30

All: 1177.167+/-0.141 χ^2/NDF: 1048539.5/58



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -696.916+/-166.752 χ^2/NDF:33.2/12

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 177.252+/-166.274 χ^2/NDF:5.7/11

Left: -258.577+/-117.742 χ^2/NDF: 52.6/24

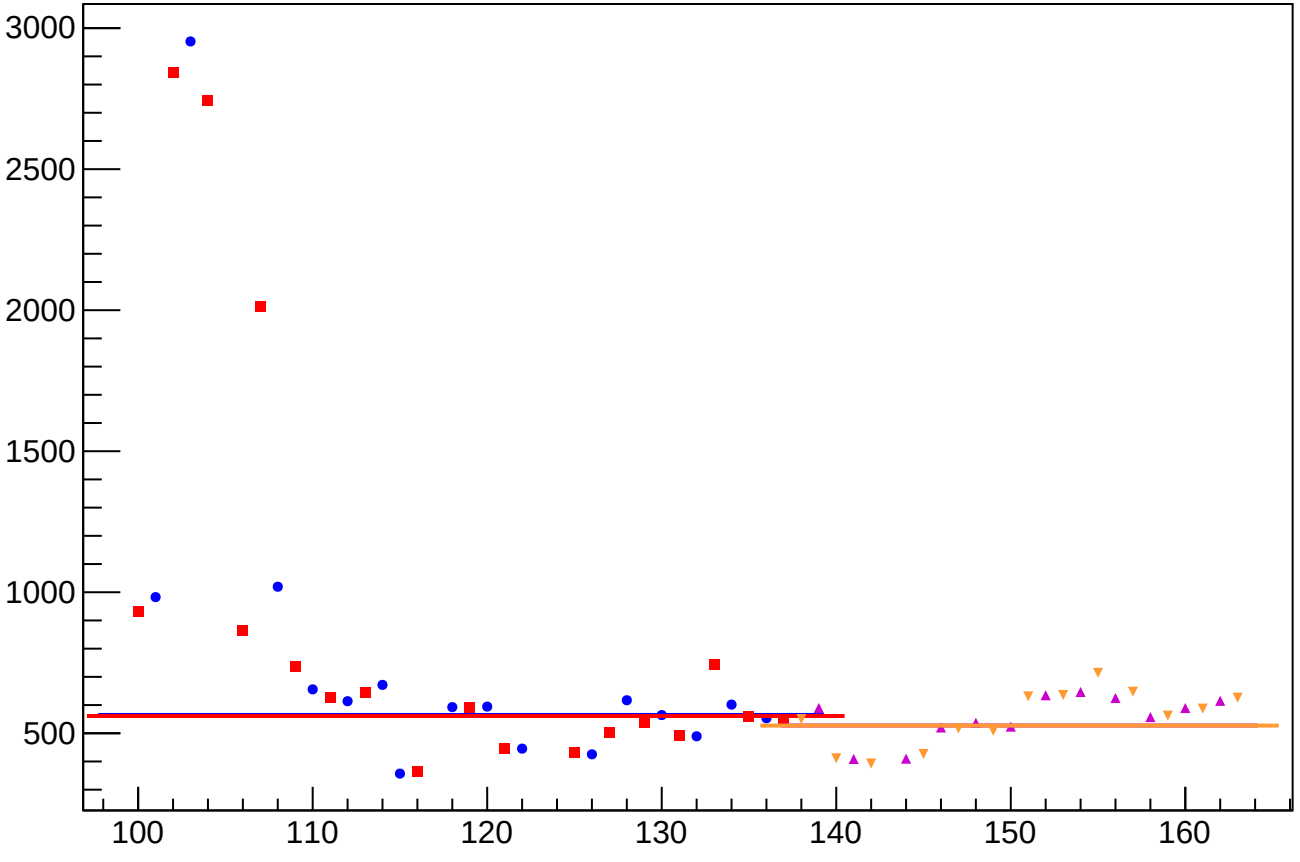
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 45.305+/-133.248 χ^2/NDF:32.7/27

Out: -297.663+/-134.306 χ^2/NDF:64.1/30

All: -124.823+/-94.592 χ^2/NDF: 100.1/58

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: 527.230+/-0.118 χ^2/NDF:658254.9/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 527.500+/-0.118 χ^2/NDF:518826.6/11

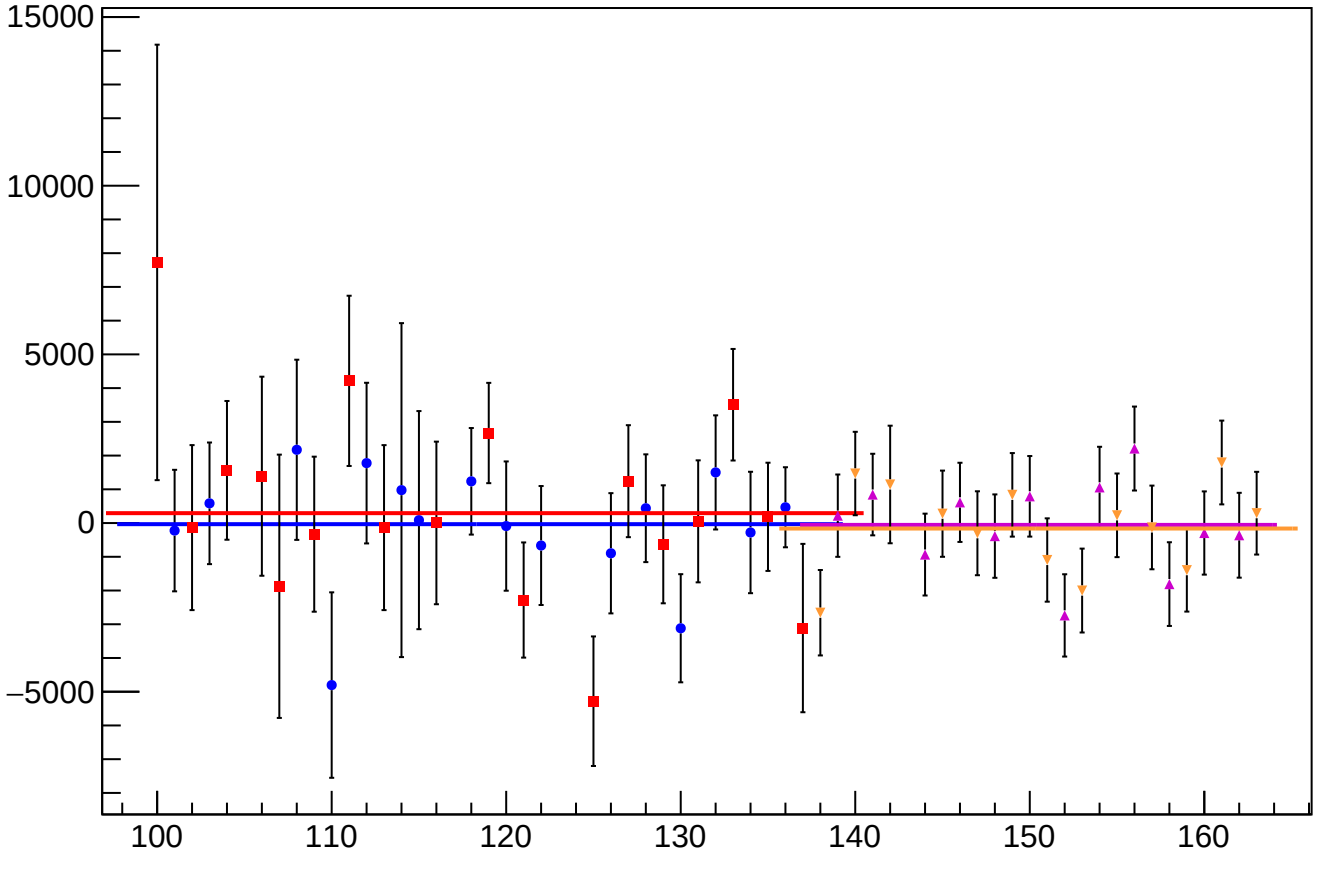
Left: 527.365+/-0.083 χ^2/NDF: 1177084.1/24

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 540.871+/-0.094 χ^2/NDF:2035350.7/27

Out: 539.189+/-0.095 χ^2/NDF:2960910.2/30

All: 540.036+/-0.067 χ^2/NDF: 4996419.0/58



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -162.558+/-351.418 χ^2/NDF:13.5/12

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -55.018+/-352.137 χ^2/NDF:13.1/11

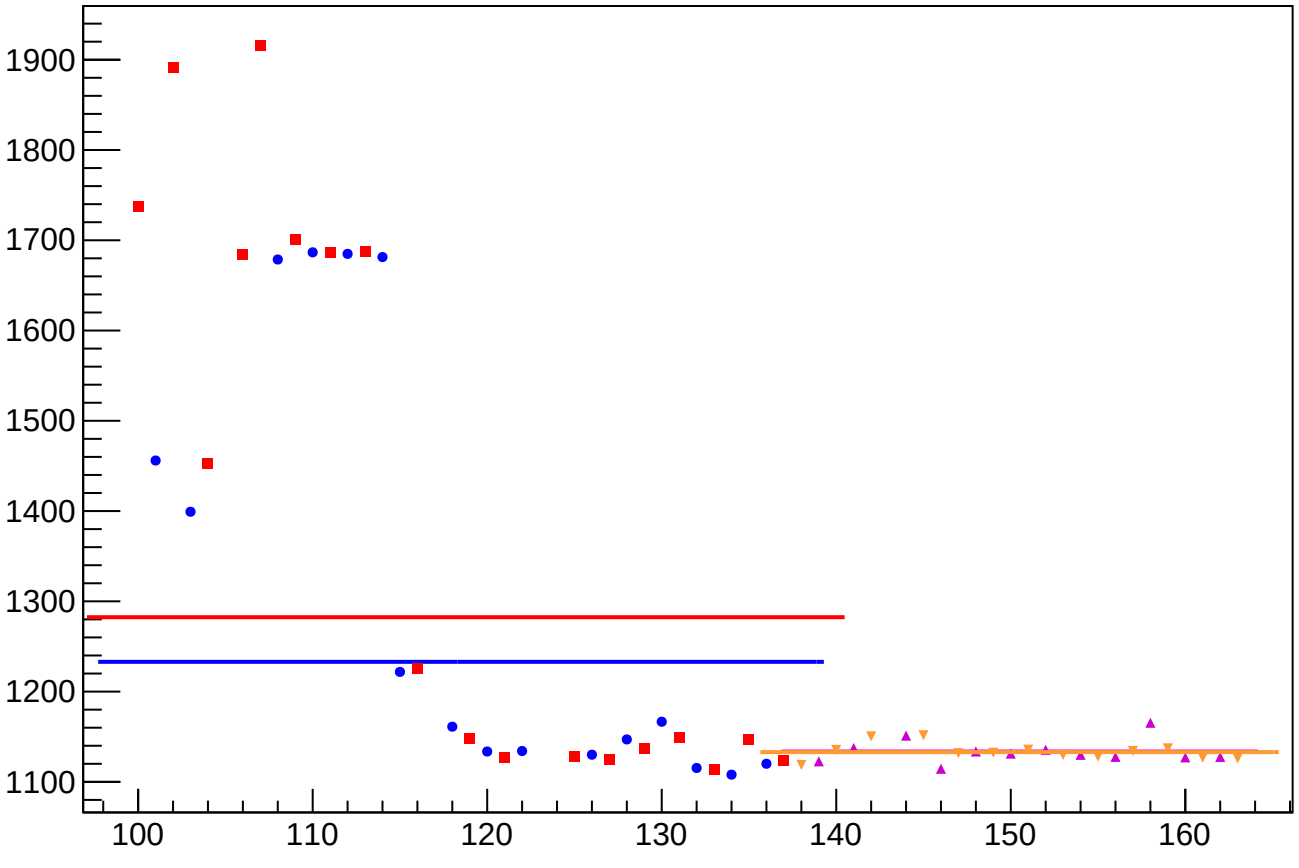
Left: -108.898+/-248.744 χ^2/NDF: 26.6/24

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -46.976+/-280.331 χ^2/NDF:23.4/27

Out: -5.098+/-284.334 χ^2/NDF:38.3/30

All: -26.334+/-199.624 χ^2/NDF: 61.7/58



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1132.964+/-0.248 χ^2/NDF:1083.0/12

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1133.560+/-0.249 χ^2/NDF:2626.7/11

Left: 1133.262+/-0.176 χ^2/NDF: 3712.6/24

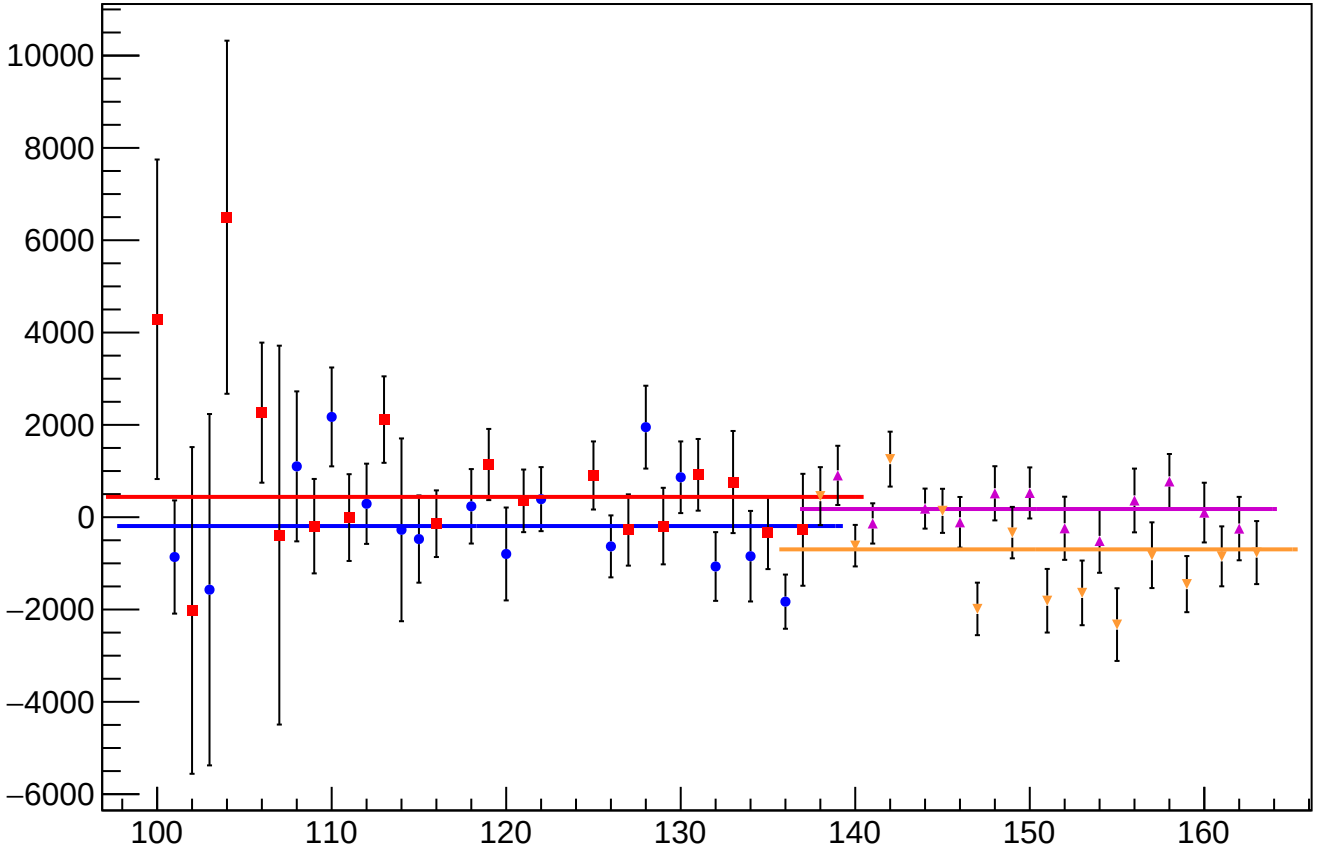
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1169.967+/-0.198 χ^2/NDF:376467.9/27

Out: 1184.574+/-0.201 χ^2/NDF:669393.9/30

All: 1177.167+/-0.141 χ^2/NDF: 1048538.4/58

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -696.914+/-166.752 χ^2/NDF:33.2/12

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 177.253+/-166.274 χ^2/NDF:5.7/11

Left: -258.576+/-117.742 χ^2/NDF: 52.6/24

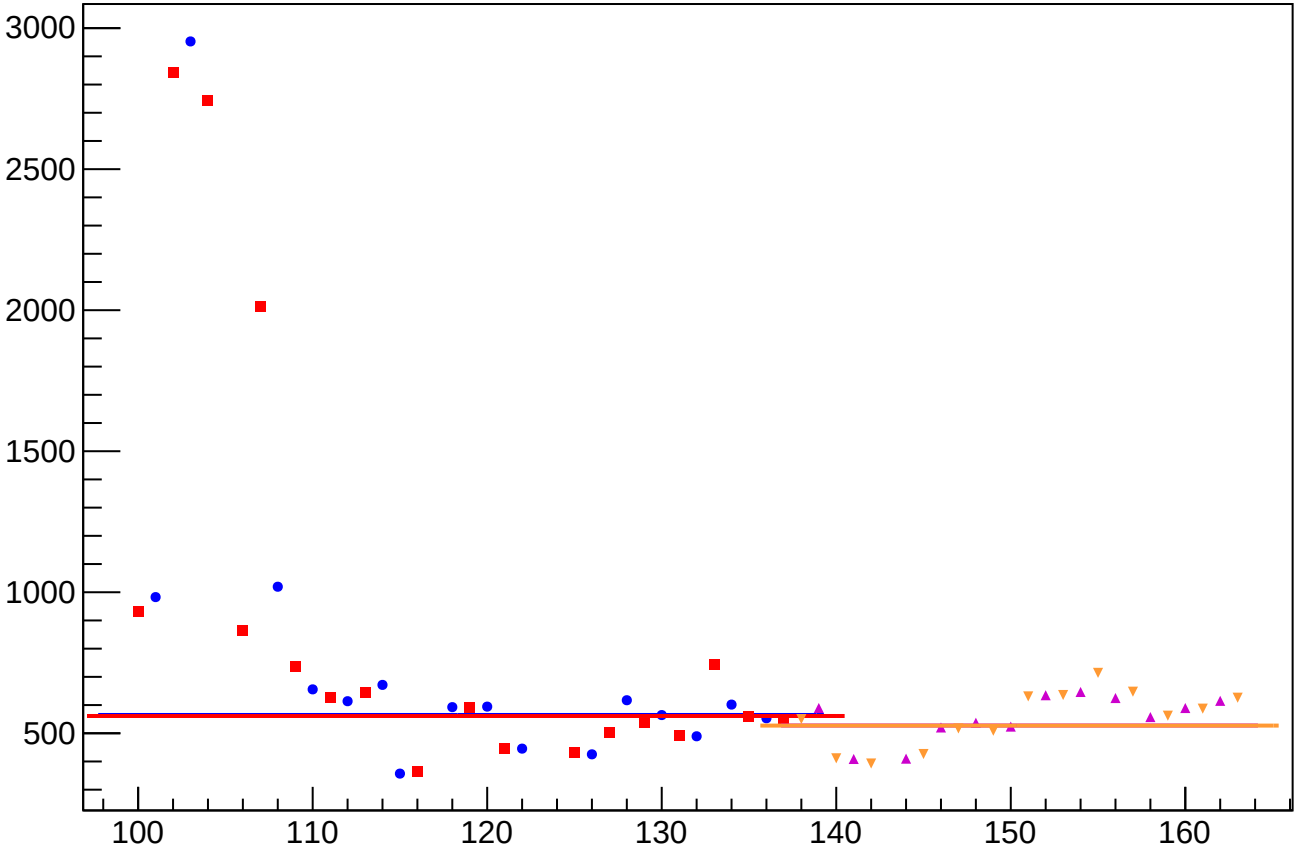
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 45.305+/-133.248 χ^2/NDF:32.7/27

Out: -297.662+/-134.306 χ^2/NDF:64.1/30

All: -124.822+/-94.592 χ^2/NDF: 100.1/58

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: 527.229+/-0.118 χ^2/NDF:658273.6/12

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 527.499+/-0.118 χ^2/NDF:518839.2/11

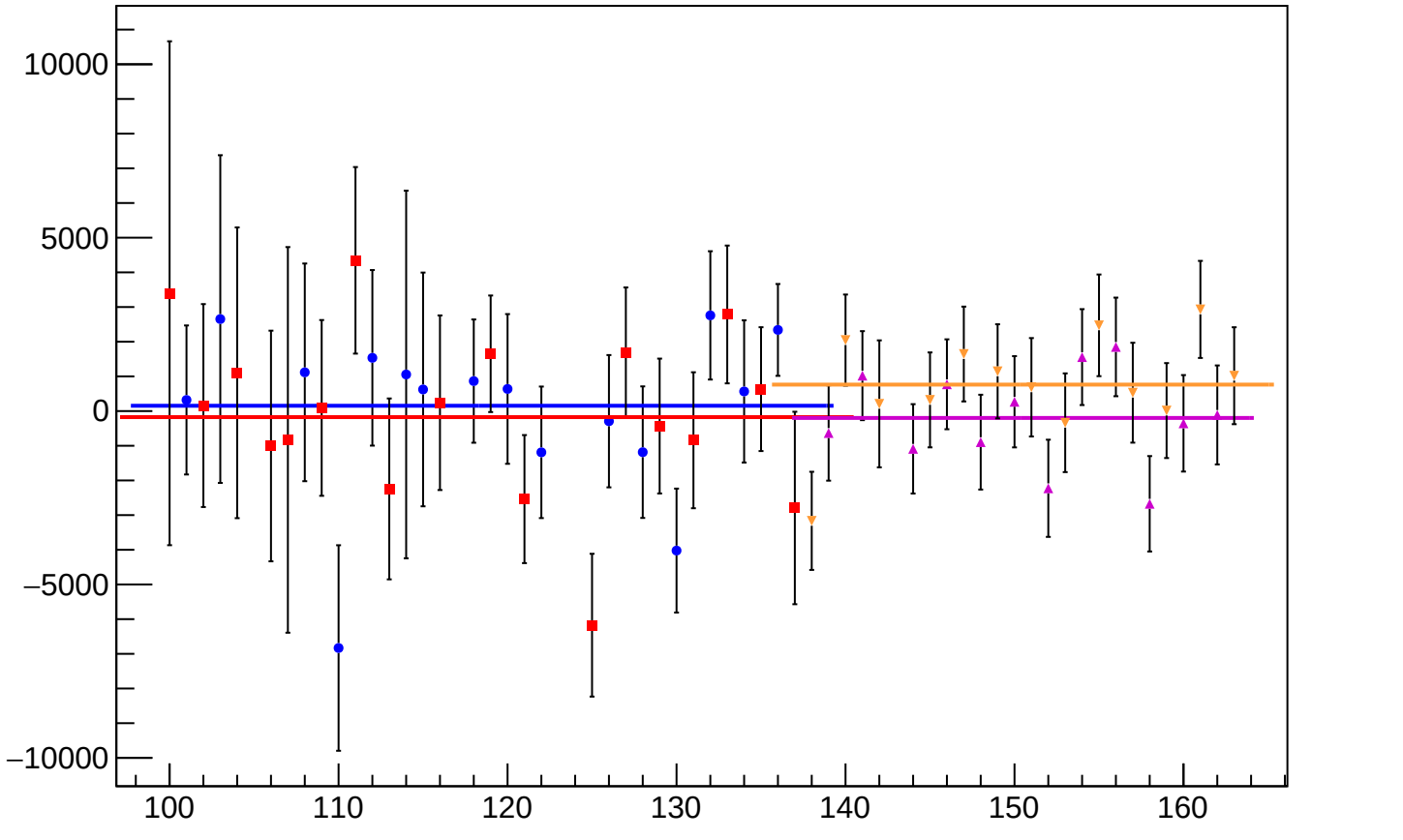
Left: 527.364+/-0.083 χ^2/NDF: 1177115.4/24

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 540.870+/-0.094 χ^2/NDF:2035361.6/27

Out: 539.188+/-0.095 χ^2/NDF:2960930.9/30

All: 540.036+/-0.067 χ^2/NDF: 4996450.6/58



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 763.417+/-392.728 χ^2/NDF:14.1/12

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -198.060+/-391.897 χ^2/NDF:11.5/11

Left: 281.661+/-277.406 χ^2/NDF: 28.5/24

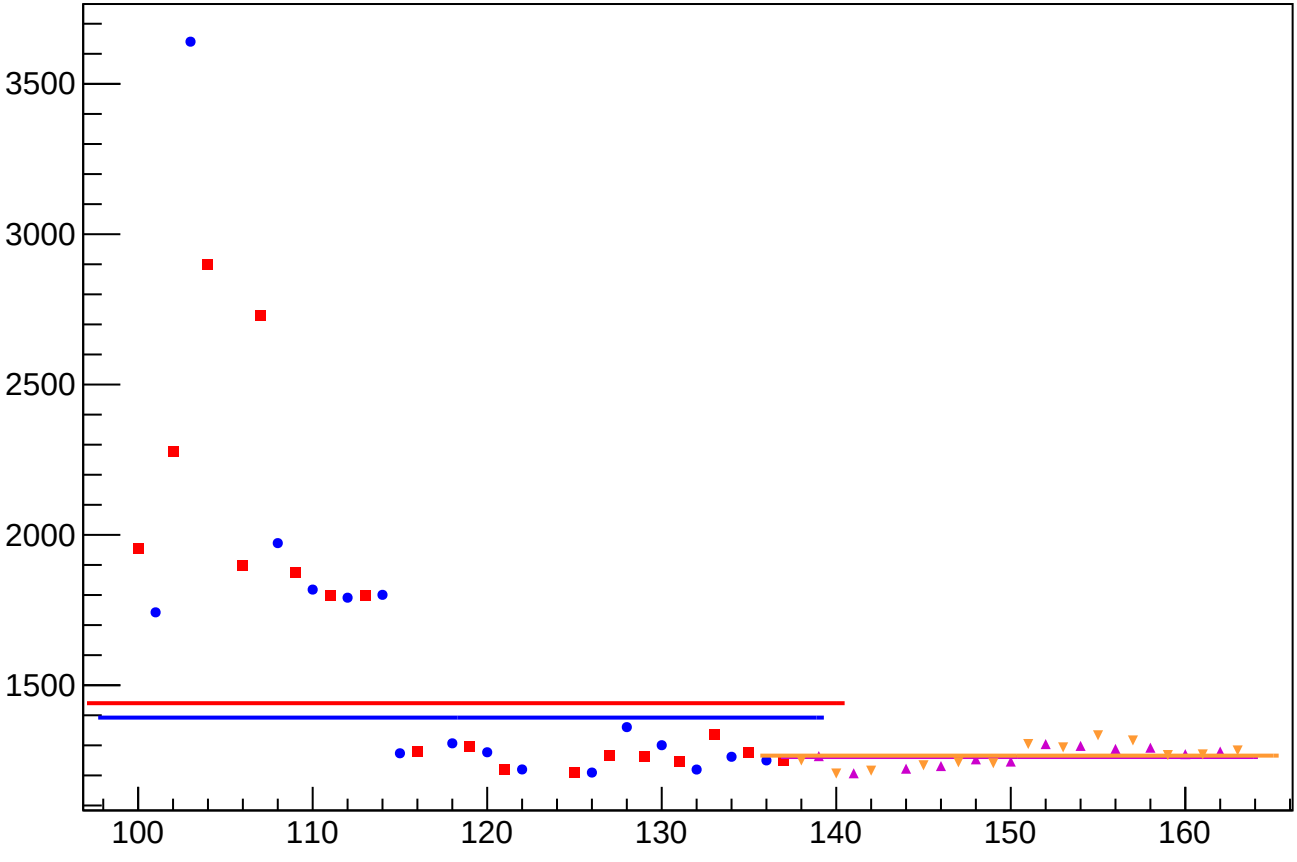
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -74.466+/-315.548 χ^2/NDF:29.5/27

Out: 446.869+/-319.641 χ^2/NDF:35.7/30

All: 182.843+/-224.559 χ^2/NDF: 66.5/58

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1265.830+/-0.278 χ^2/NDF:17424.1/12

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1261.176+/-0.277 χ^2/NDF:12253.1/11

Left: 1263.498+/-0.196 χ^2/NDF: 29817.9/24

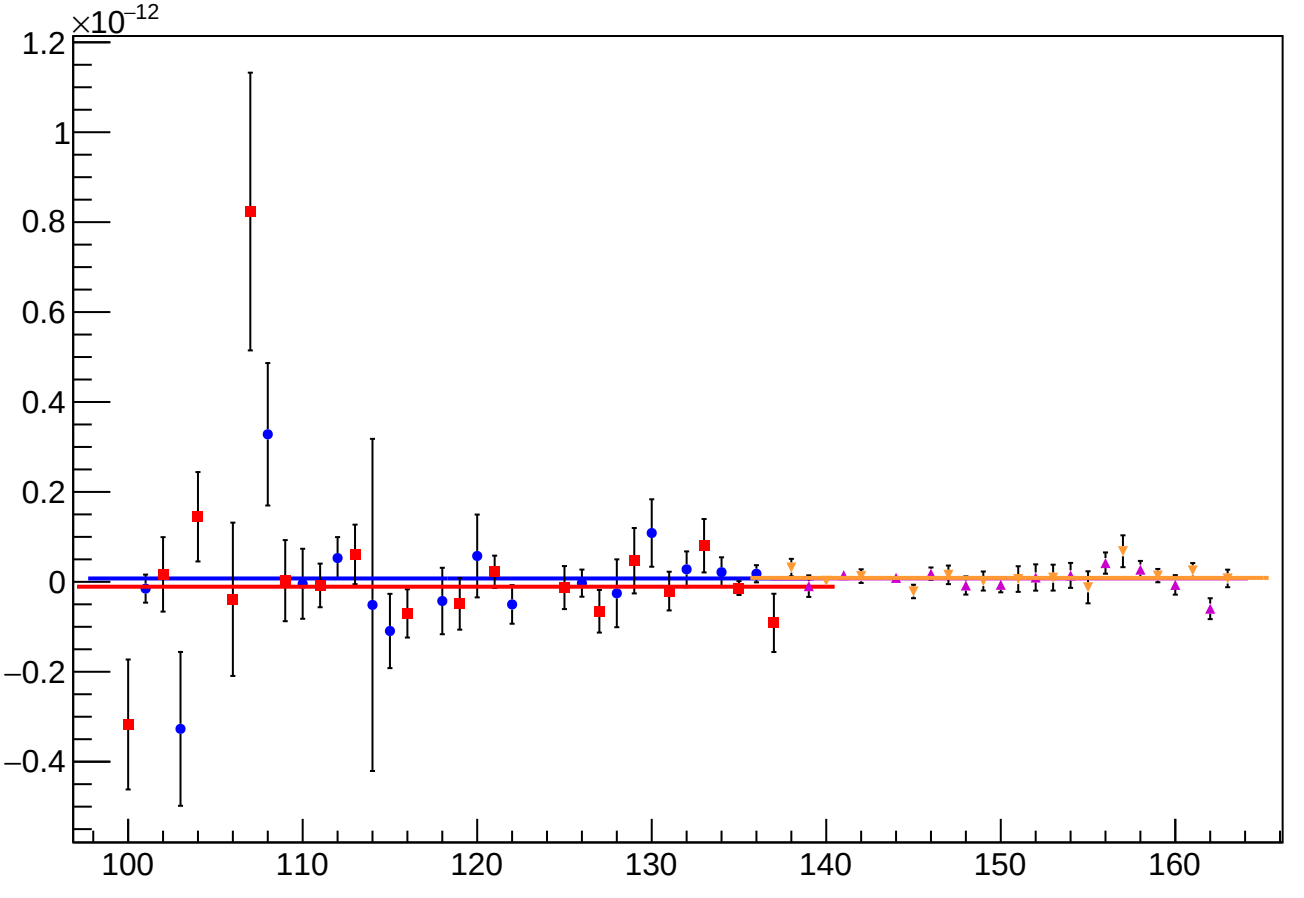
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1307.290+/-0.223 χ^2/NDF:870232.9/27

Out: 1324.699+/-0.226 χ^2/NDF:1005434.7/30

All: 1315.882+/-0.159 χ^2/NDF: 1878672.2/58

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/12

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.0/11

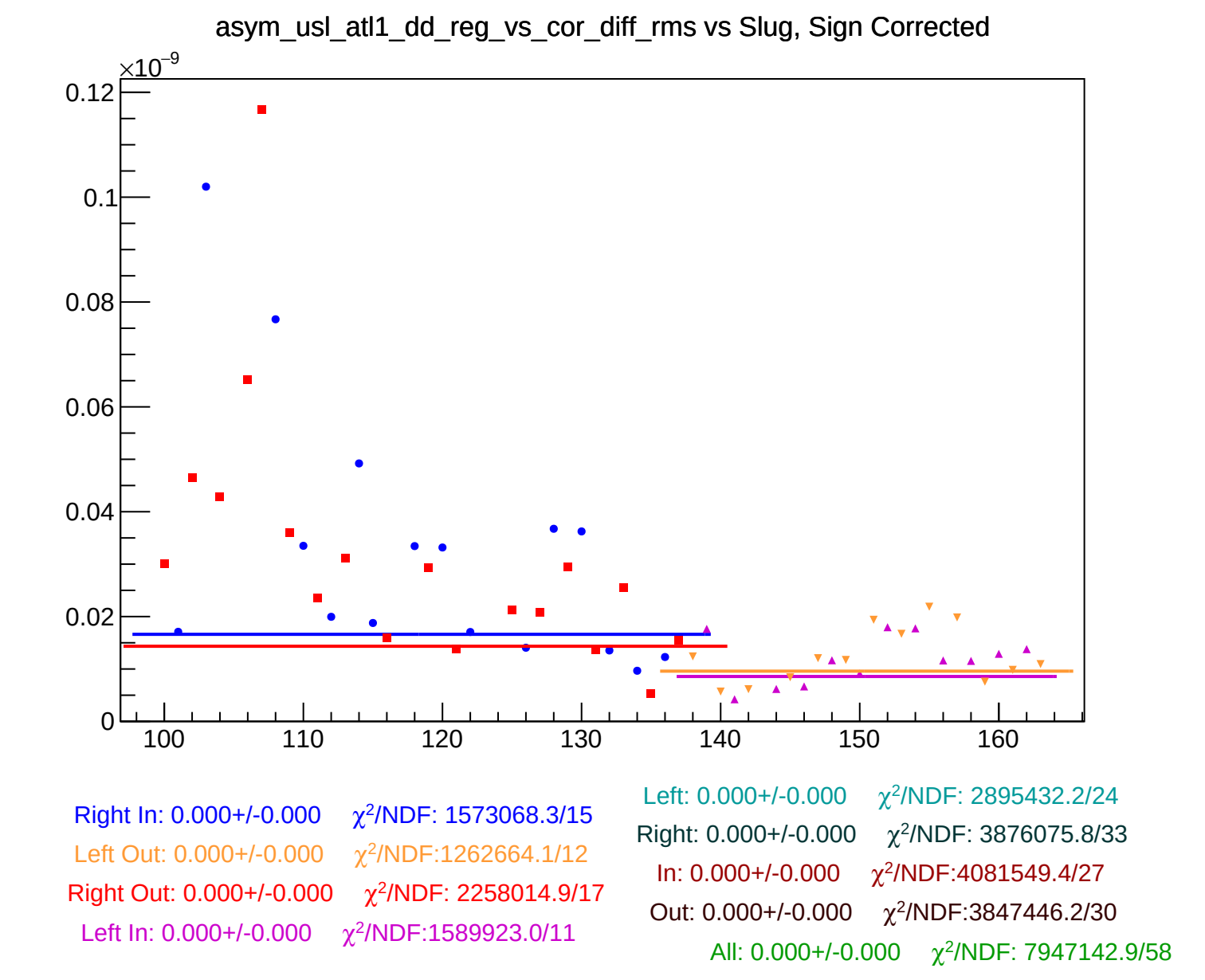
Left: 0.000+/-0.000 χ^2/NDF: 25.4/24

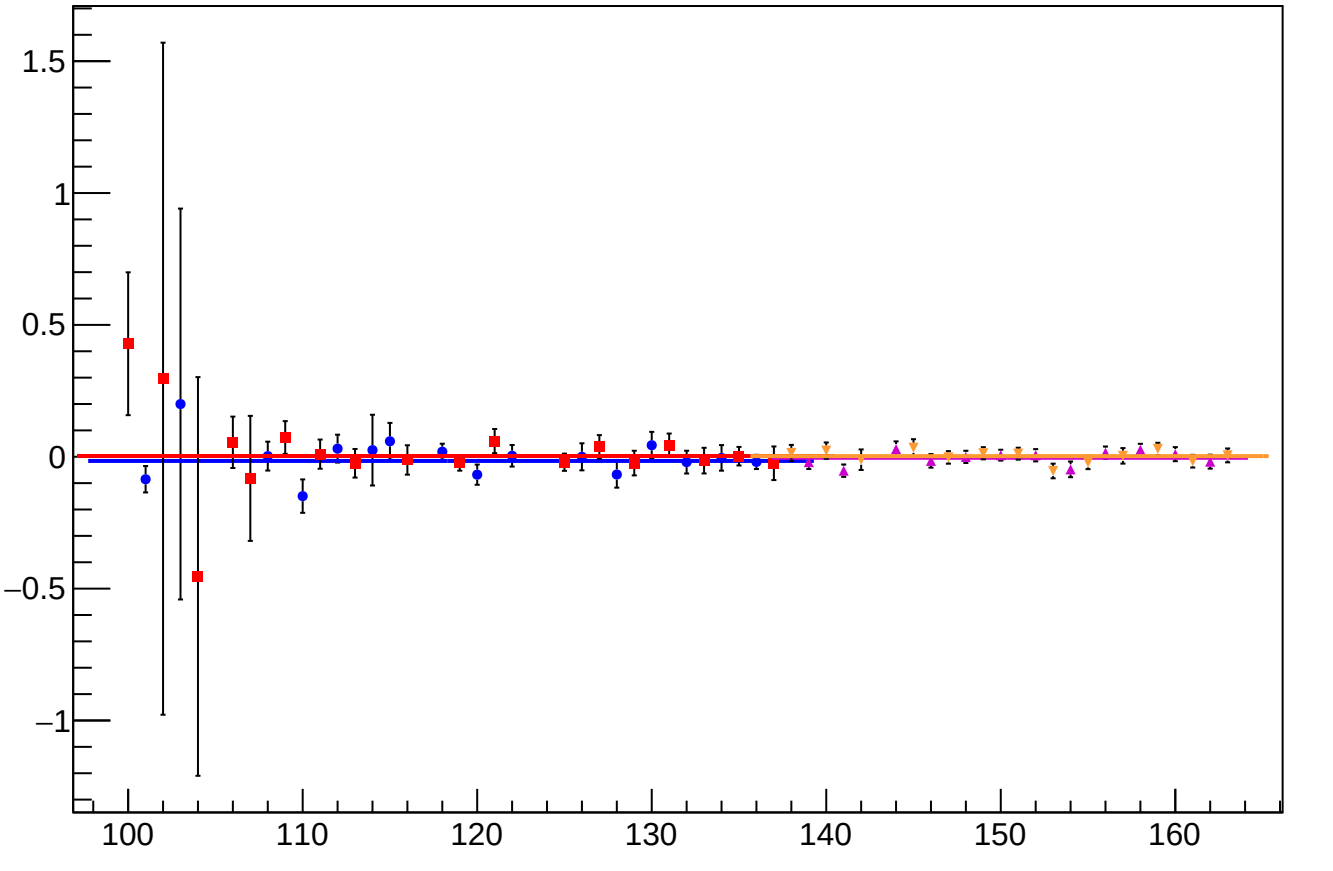
Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:31.9/27

Out: 0.000+/-0.000 χ^2/NDF:37.2/30

All: 0.000+/-0.000 χ^2/NDF: 69.2/58


asym_usl_atl1_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 1573068.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1262664.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2258014.9/17
Left In: 0.000+/-0.000 χ²/NDF:1589923.0/11
Left: 0.000+/-0.000 χ²/NDF: 2895432.2/24
Right: 0.000+/-0.000 χ²/NDF: 3876075.8/33
In: 0.000+/-0.000 χ²/NDF:4081549.4/27
Out: 0.000+/-0.000 χ²/NDF:3847446.2/30
All: 0.000+/-0.000 χ²/NDF: 7947142.9/58



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.007 χ^2/NDF:11.9/11

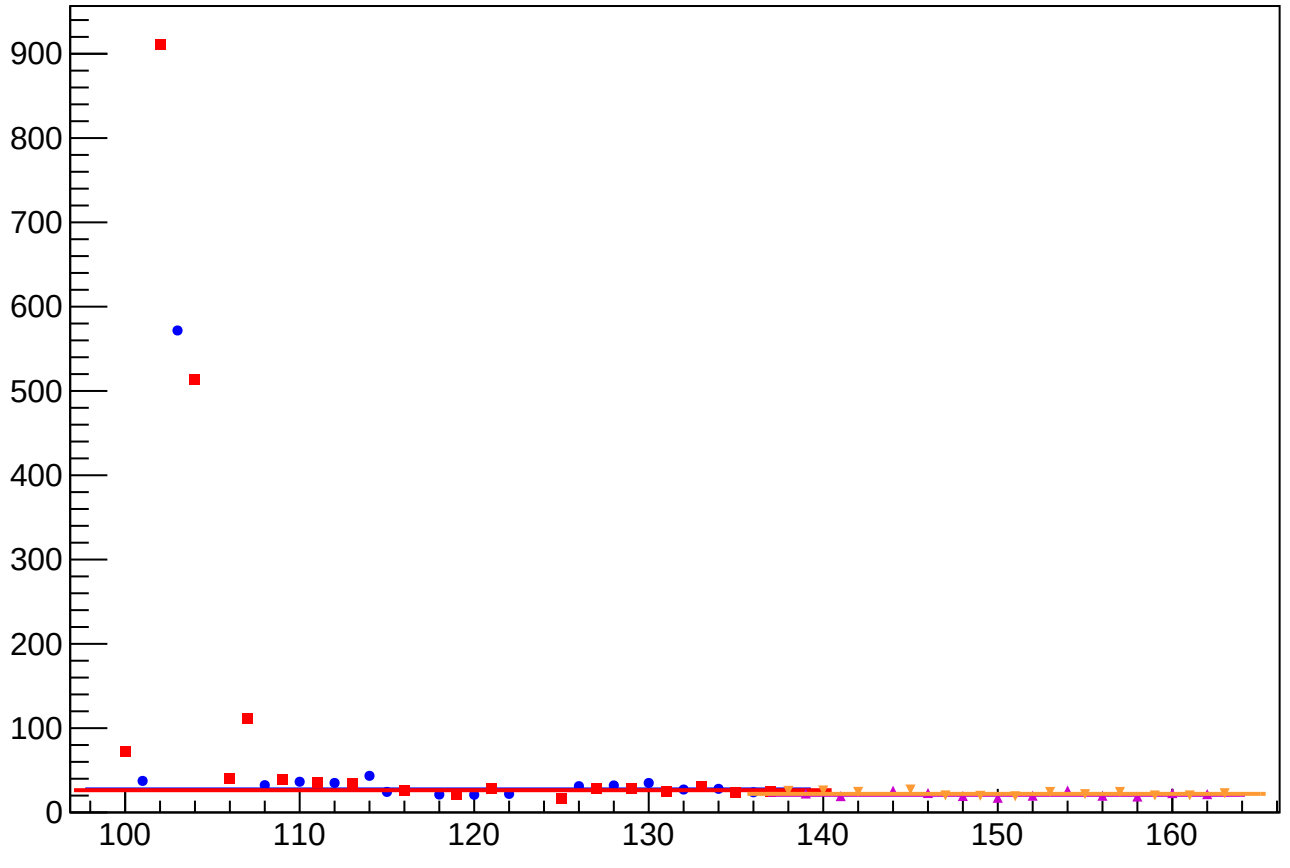
Left: -0.001+/-0.005 χ^2/NDF: 21.3/24

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:27.3/27

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.002+/-0.004 χ^2/NDF: 47.5/58



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.048+/-0.005 χ^2/NDF:234973.2/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248738.0/11

Left: 21.461+/-0.004 χ^2/NDF: 507980.6/24

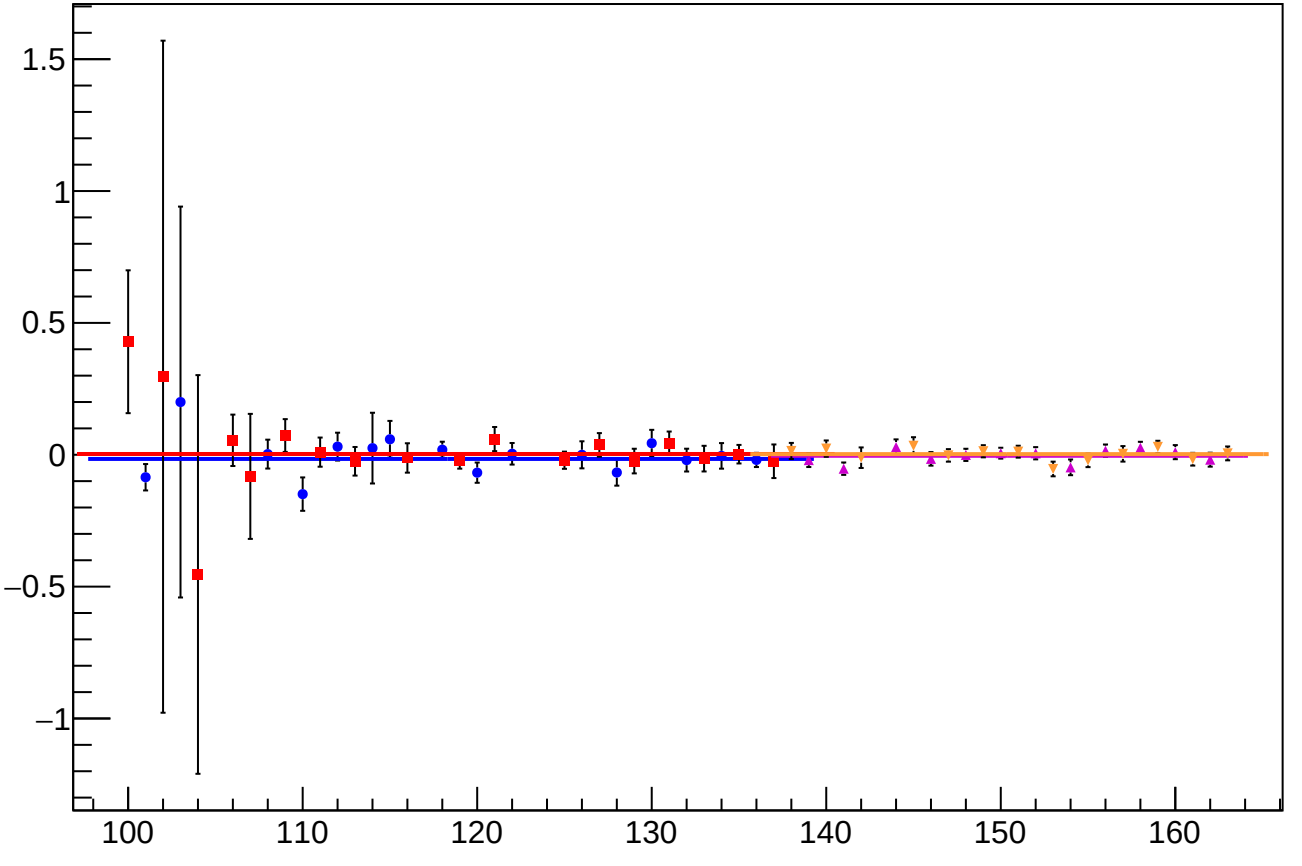
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.672+/-0.004 χ^2/NDF:2259969.8/27

Out: 23.243+/-0.004 χ^2/NDF:3039788.8/30

All: 22.947+/-0.003 χ^2/NDF: 5308280.0/58

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.007 χ^2/NDF:11.9/11

Left: -0.001+/-0.005 χ^2/NDF: 21.3/24

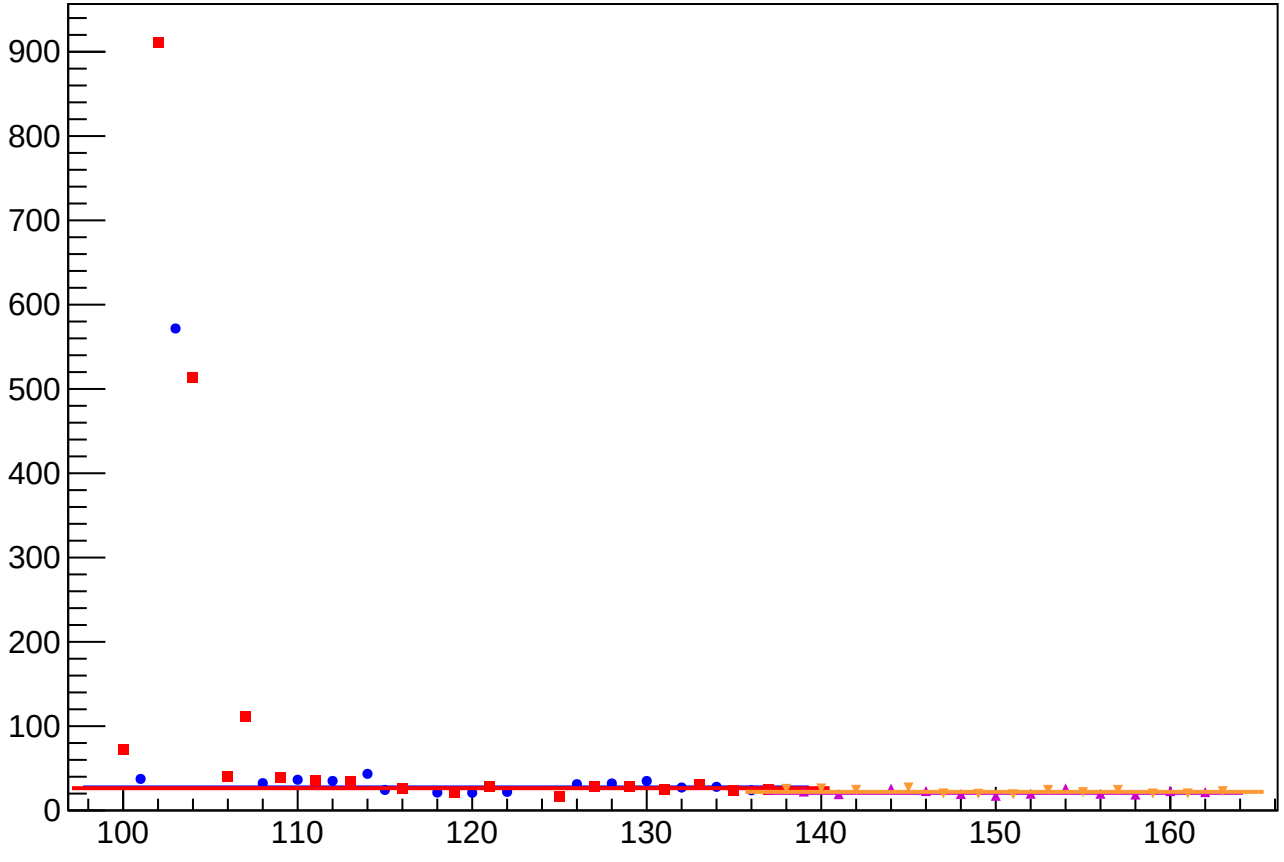
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.007+/-0.006 χ^2/NDF:27.3/27

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.002+/-0.004 χ^2/NDF: 47.5/58

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: 22.048+/-0.005 χ^2/NDF:234973.2/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248738.0/11

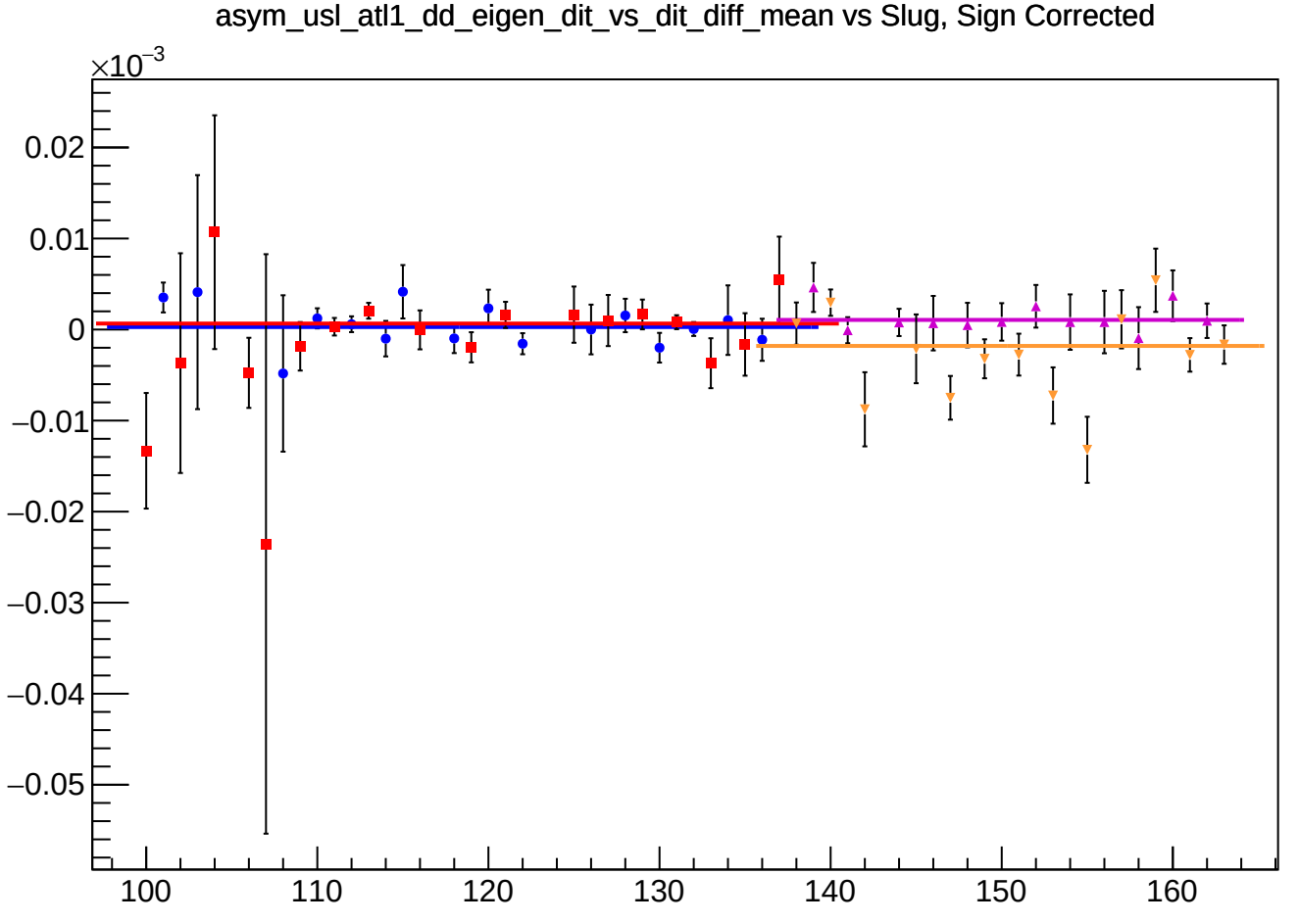
Left: 21.461+/-0.004 χ^2/NDF: 507980.6/24

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.672+/-0.004 χ^2/NDF:2259969.8/27

Out: 23.243+/-0.004 χ^2/NDF:3039788.8/30

All: 22.947+/-0.003 χ^2/NDF: 5308280.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:4.2/11

Left: -0.000+/-0.000 χ^2/NDF: 53.3/24

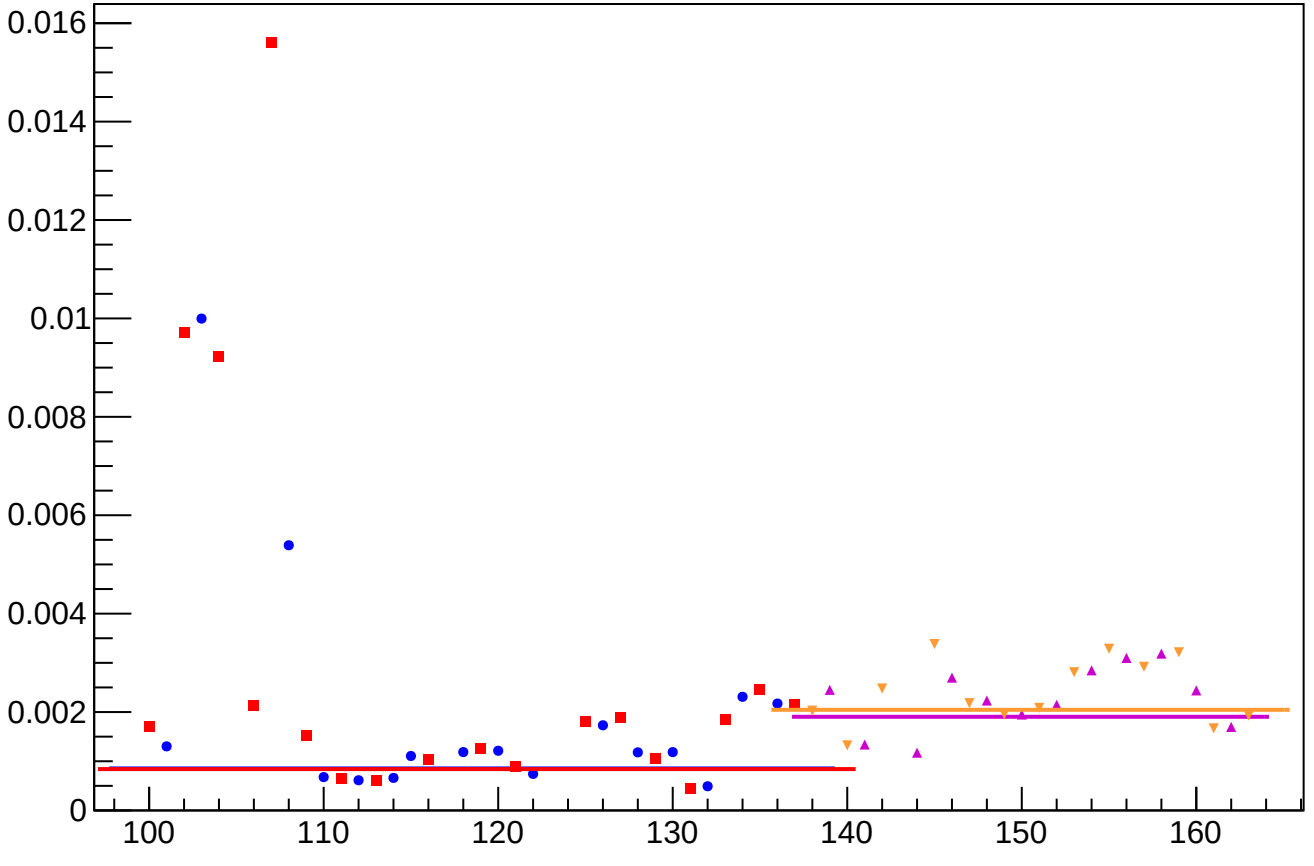
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:19.7/27

Out: 0.000+/-0.000 χ^2/NDF:68.8/30

All: 0.000+/-0.000 χ^2/NDF: 89.5/58

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:1604888.5/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:1886853.9/11

Left: 0.002+/-0.000 χ^2/NDF: 3538998.7/24

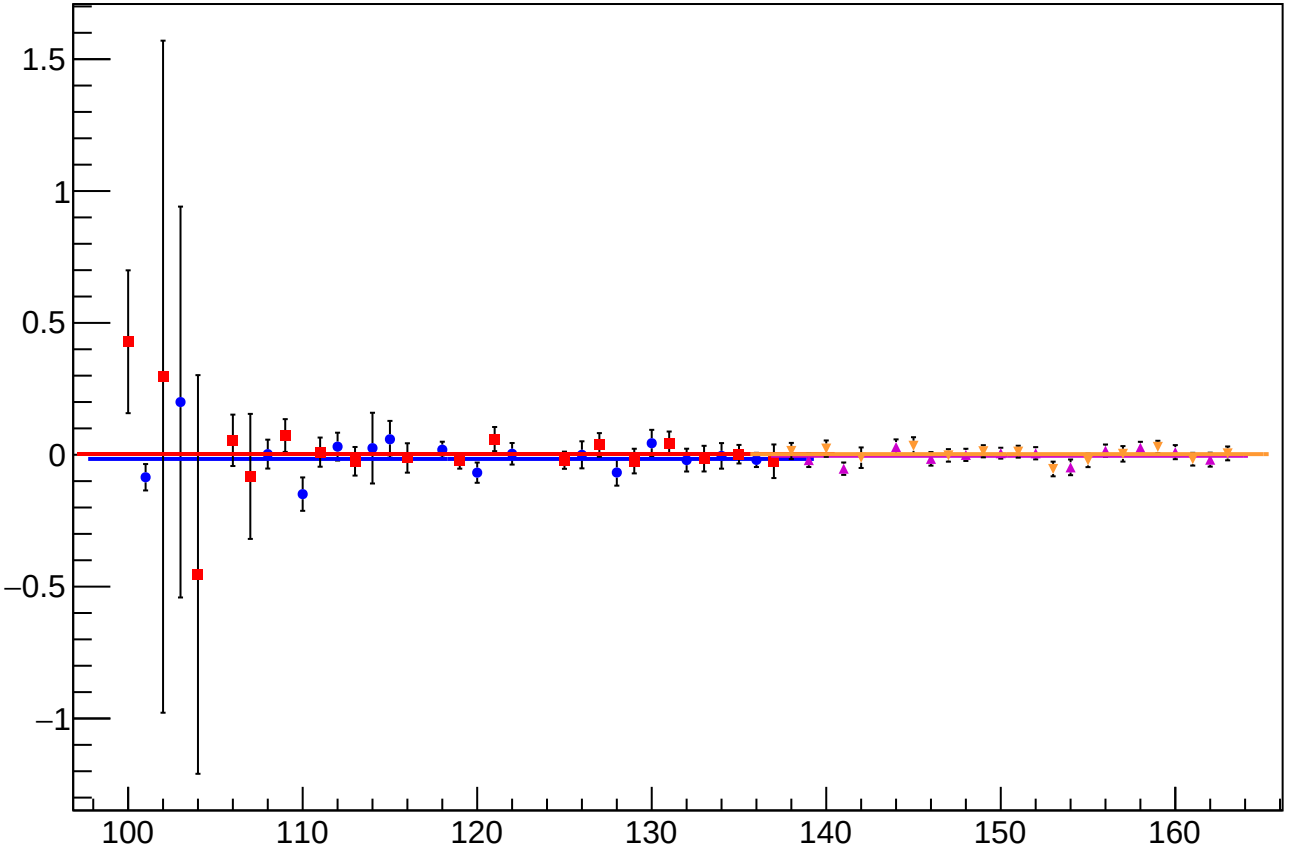
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:9773379.9/27

Out: 0.001+/-0.000 χ^2/NDF:11464209.3/30

All: 0.001+/-0.000 χ^2/NDF: 21248384.2/58

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: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.007 χ^2/NDF:11.9/11

Left: -0.001+/-0.005 χ^2/NDF: 21.3/24

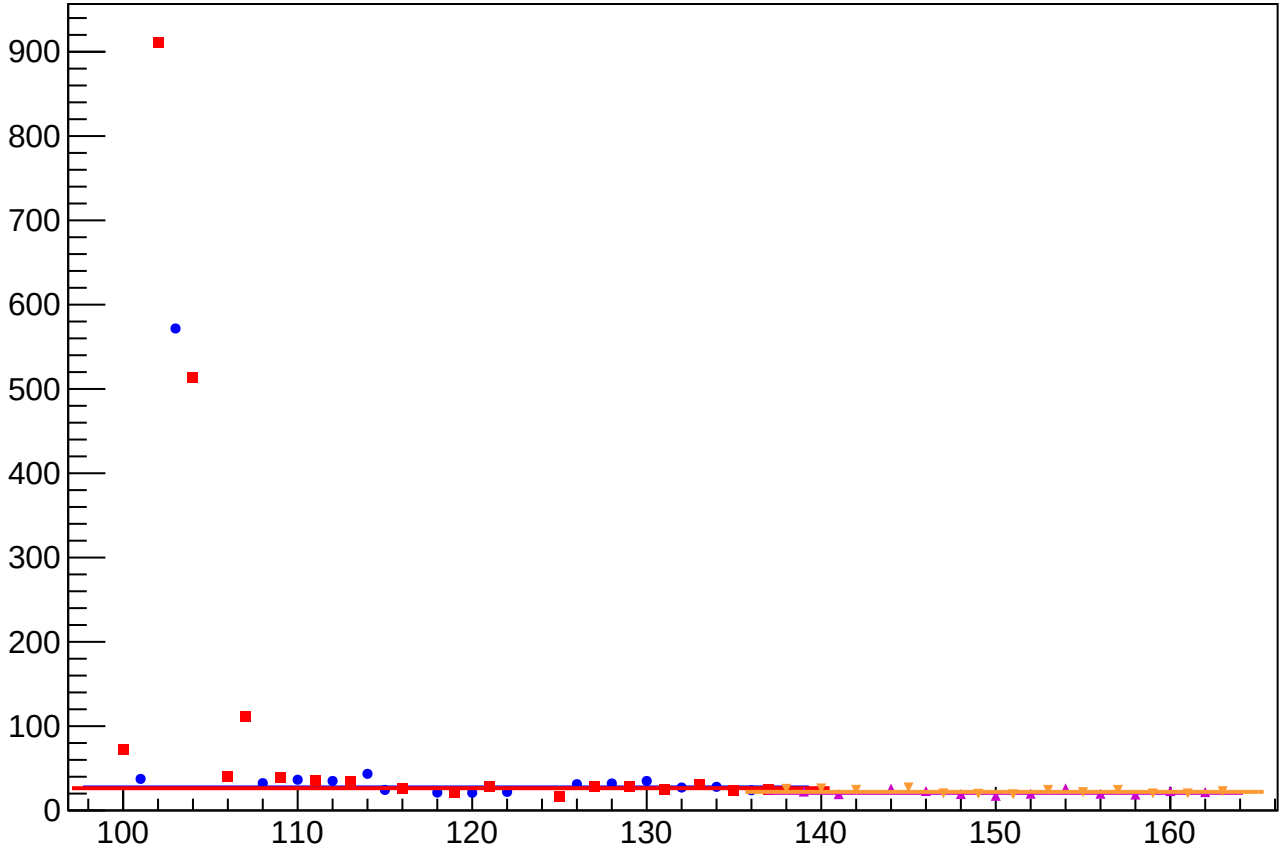
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:27.3/27

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.002+/-0.004 χ^2/NDF: 47.4/58

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: 22.048+/-0.005 χ^2/NDF:234942.5/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248753.9/11

Left: 21.461+/-0.004 χ^2/NDF: 507964.6/24

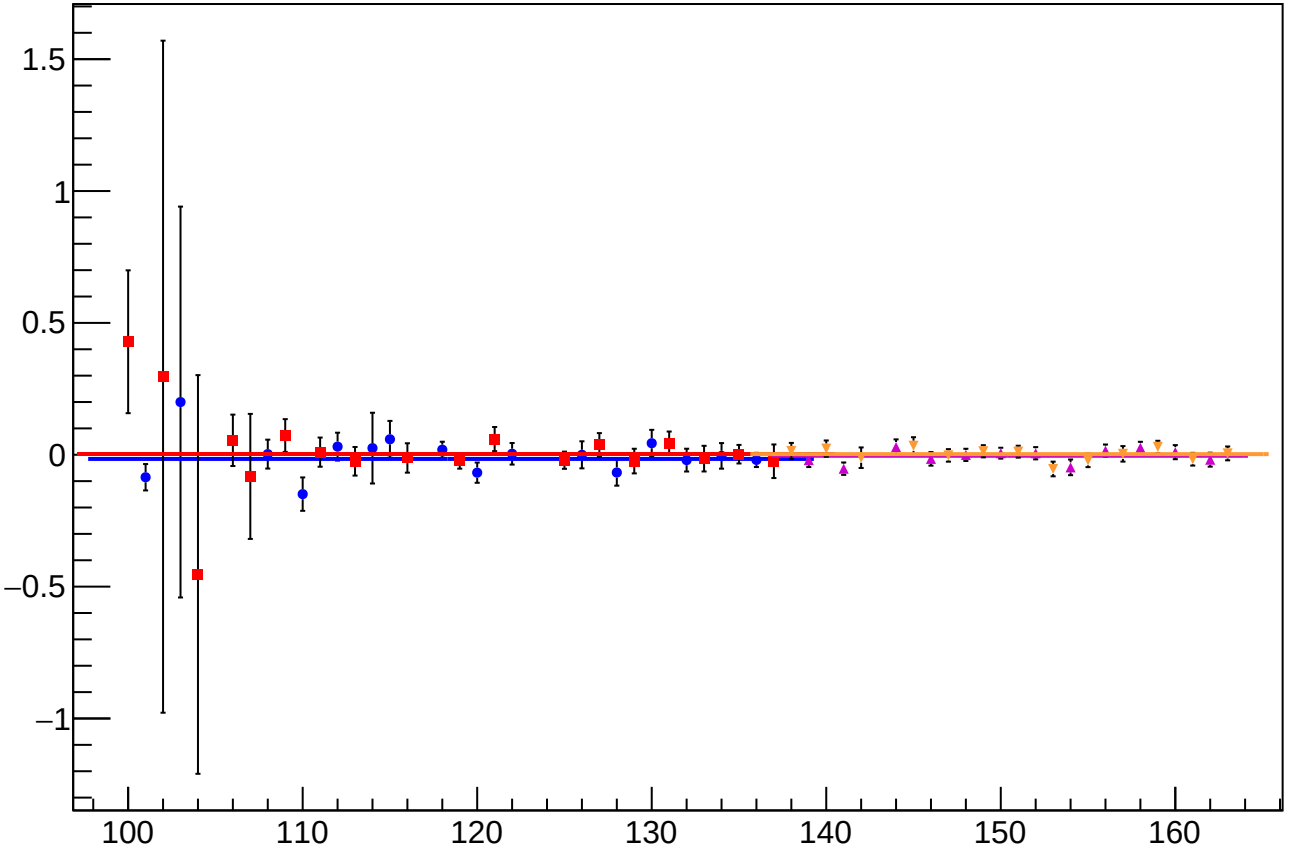
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.672+/-0.004 χ^2/NDF:2259985.1/27

Out: 23.243+/-0.004 χ^2/NDF:3039781.2/30

All: 22.947+/-0.003 χ^2/NDF: 5308287.2/58

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: 0.002+/-0.007 χ^2/NDF:9.1/12

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.004+/-0.007 χ^2/NDF:11.9/11

Left: -0.001+/-0.005 χ^2/NDF: 21.3/24

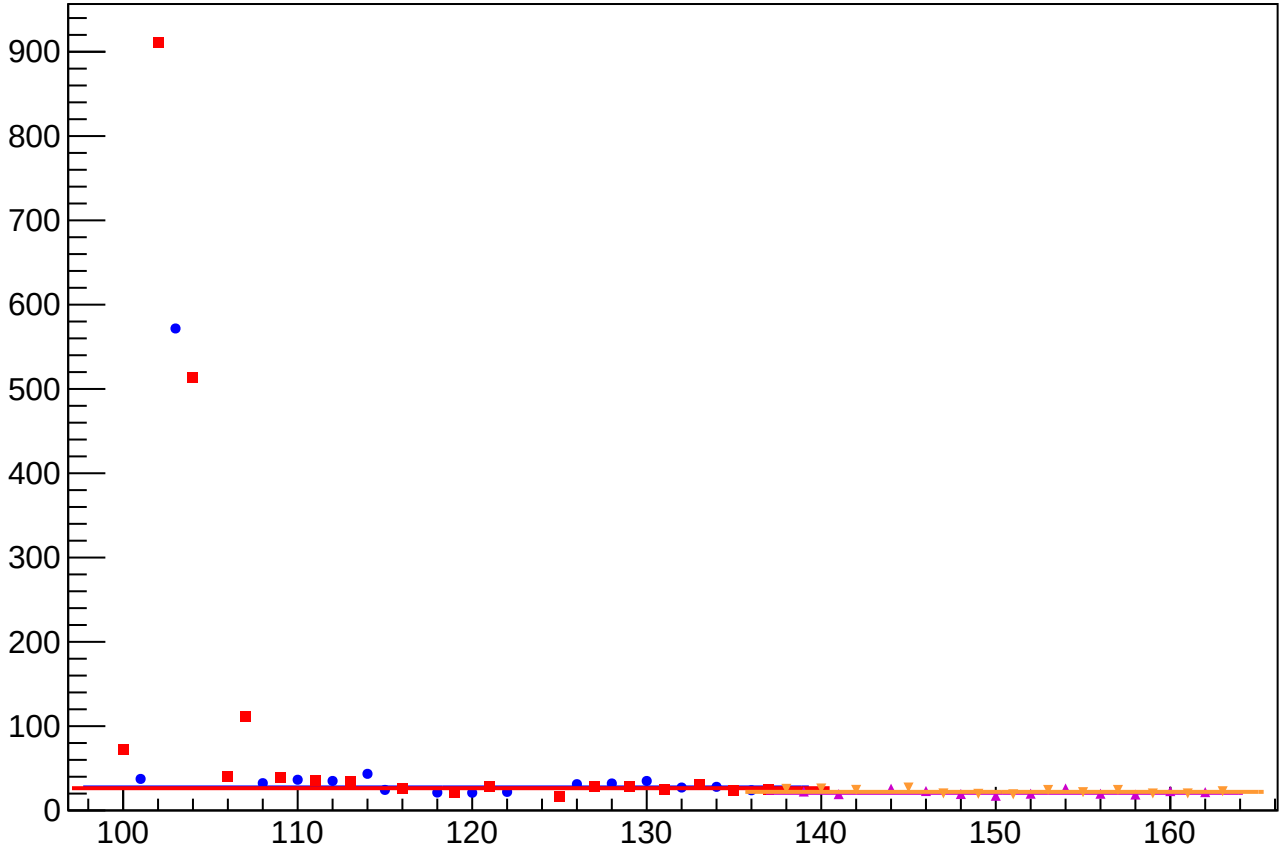
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.007+/-0.006 χ^2/NDF:27.3/27

Out: 0.003+/-0.006 χ^2/NDF:18.9/30

All: -0.002+/-0.004 χ^2/NDF: 47.4/58

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: 22.048+/-0.005 χ^2/NDF:234942.5/12

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.918+/-0.005 χ^2/NDF:248753.9/11

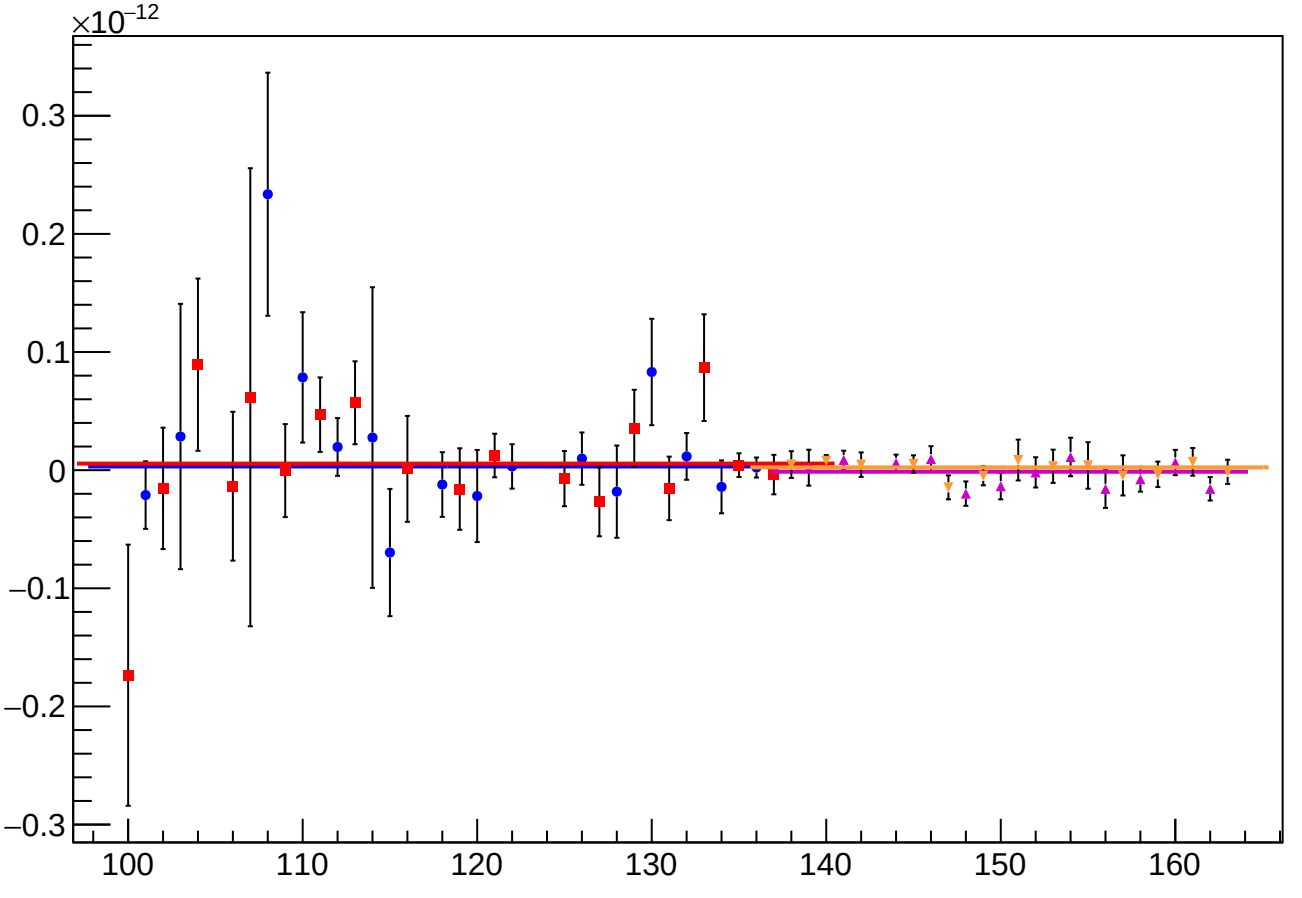
Left: 21.461+/-0.004 χ^2/NDF: 507964.6/24

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.672+/-0.004 χ^2/NDF:2259985.1/27

Out: 23.243+/-0.004 χ^2/NDF:3039781.2/30

All: 22.947+/-0.003 χ^2/NDF: 5308287.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:12.6/11

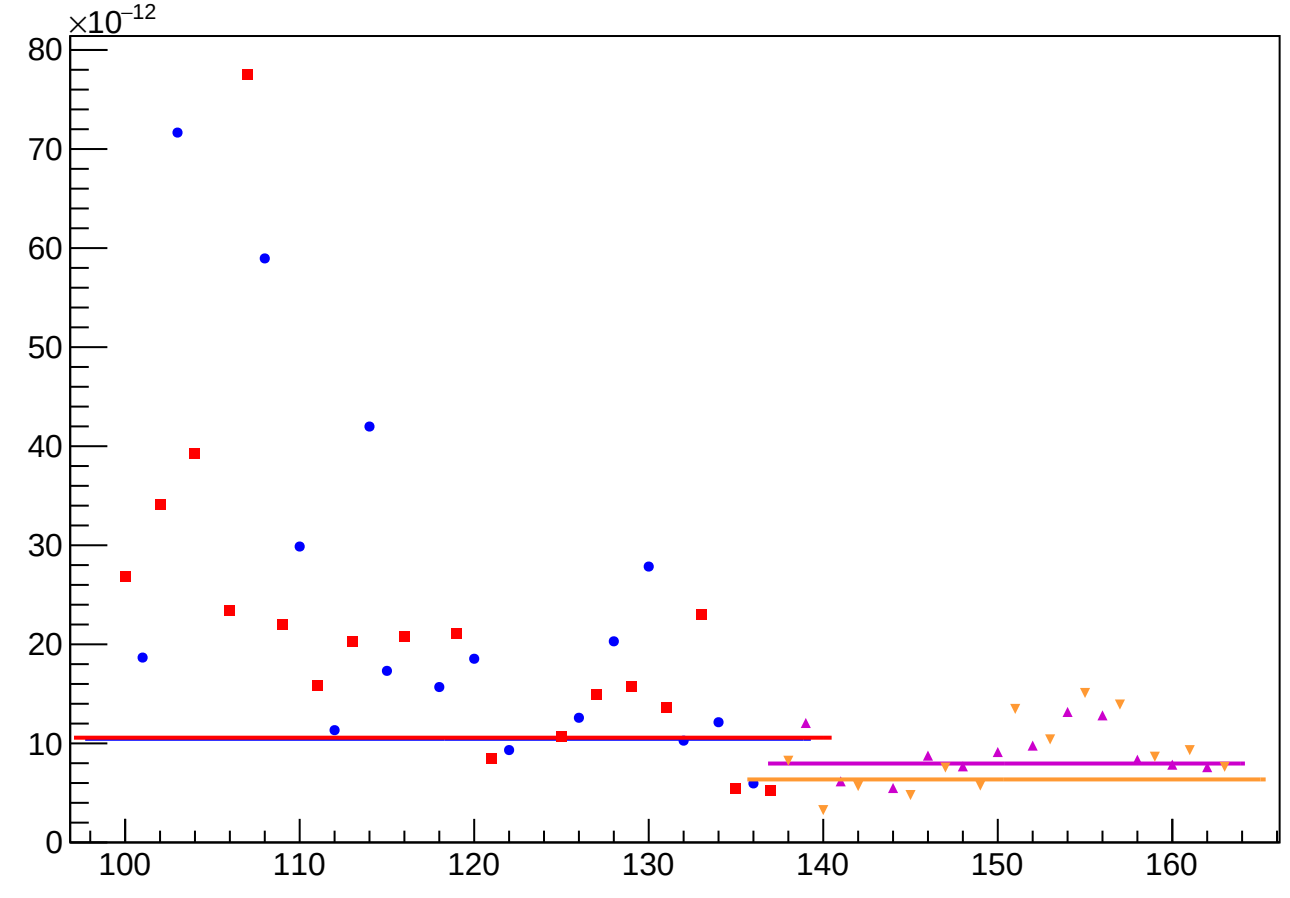
Left: 0.000+/-0.000 χ^2/NDF: 19.4/24

Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:28.1/27

Out: 0.000+/-0.000 χ^2/NDF:21.4/30

All: 0.000+/-0.000 χ^2/NDF: 50.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2531268.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:960931.1/11

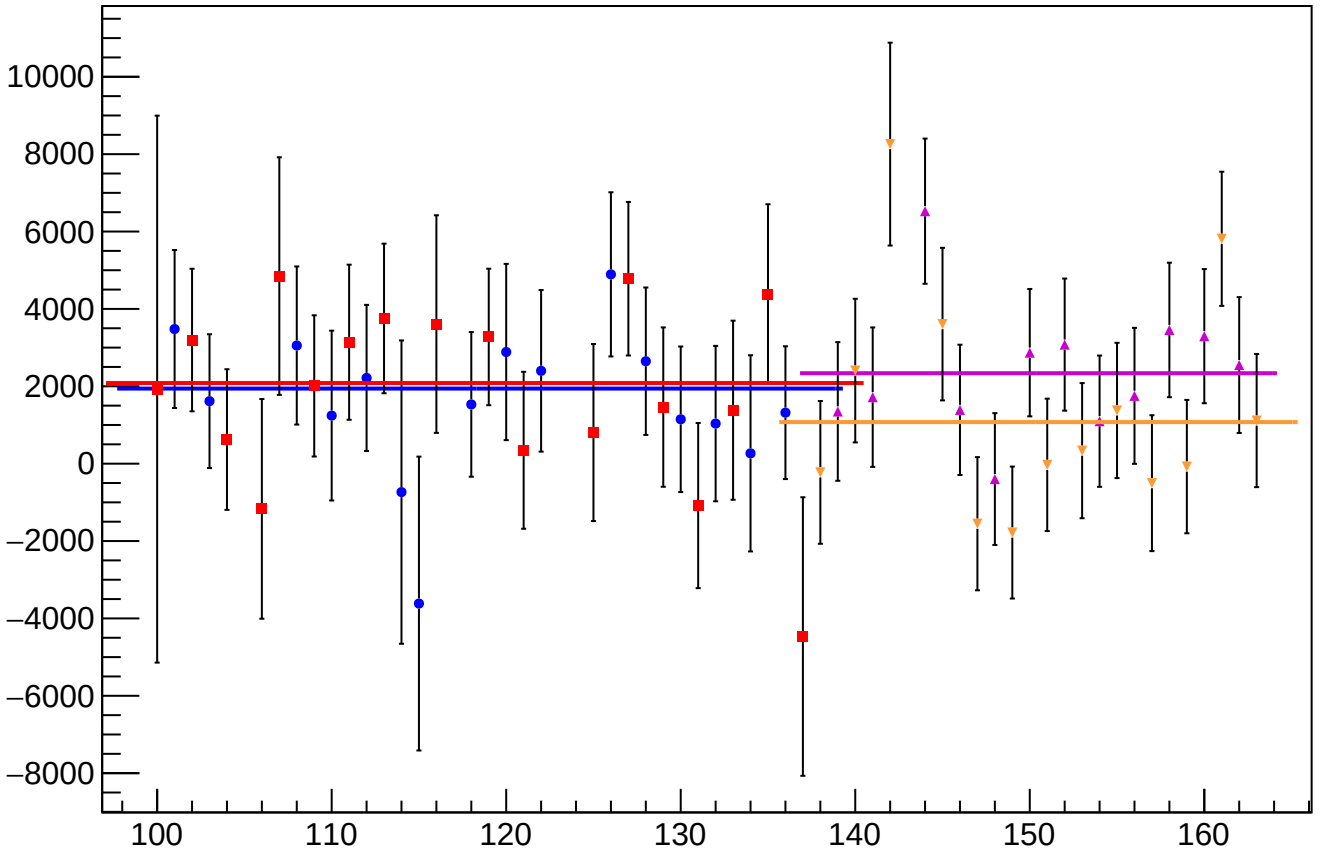
Left: 0.000+/-0.000 χ^2/NDF: 3808909.8/24

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:4051347.8/27

Out: 0.000+/-0.000 χ^2/NDF:6108374.6/30

All: 0.000+/-0.000 χ^2/NDF: 10492314.7/58



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.315+/-500.261 χ^2/NDF:24.7/12

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2338.302+/-501.745 χ^2/NDF:10.0/11

Left: 1704.938+/-354.261 χ^2/NDF: 37.8/24

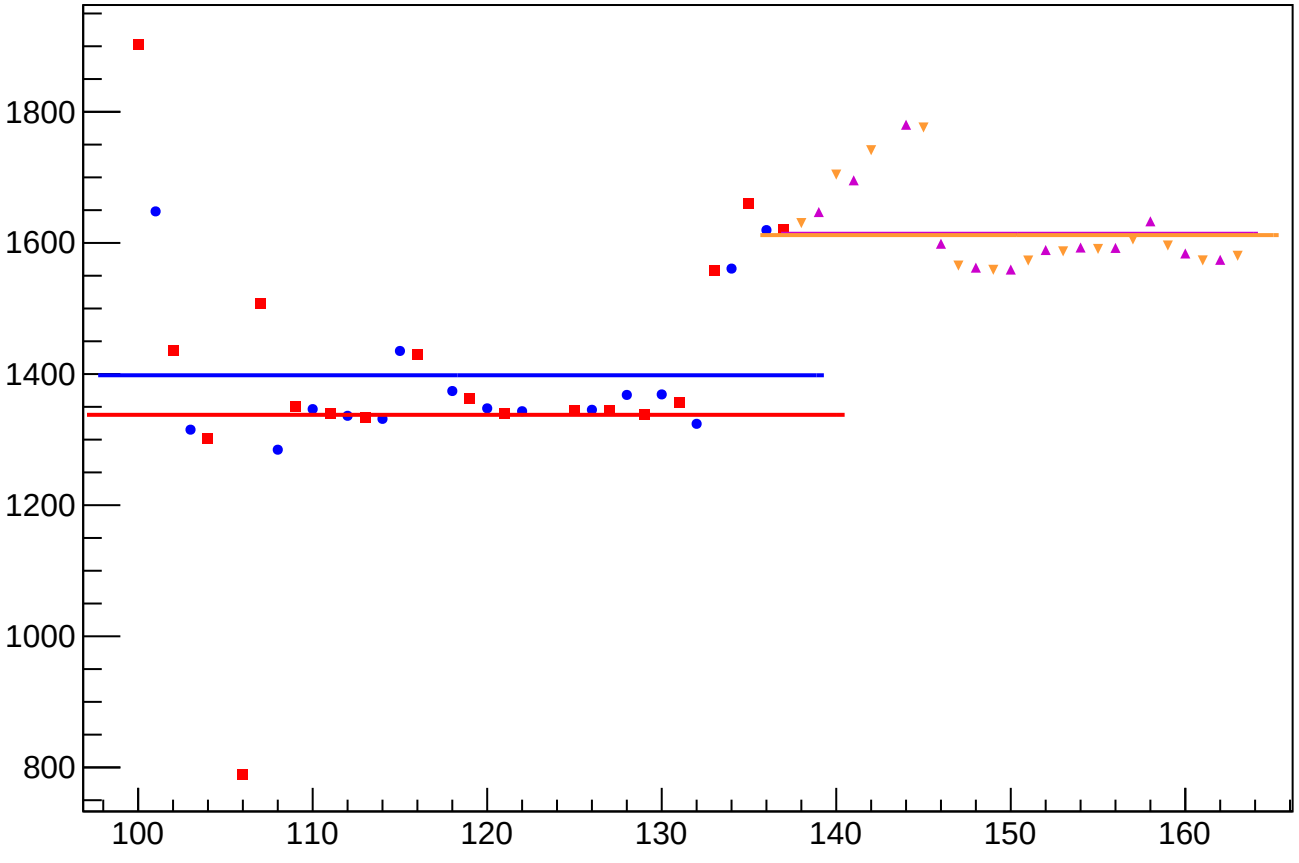
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2147.563+/-361.794 χ^2/NDF:17.2/27

Out: 1560.530+/-360.375 χ^2/NDF:41.1/30

All: 1852.894+/-255.324 χ^2/NDF: 59.6/58

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1614.003+/-0.355 χ^2/NDF:27576.0/11

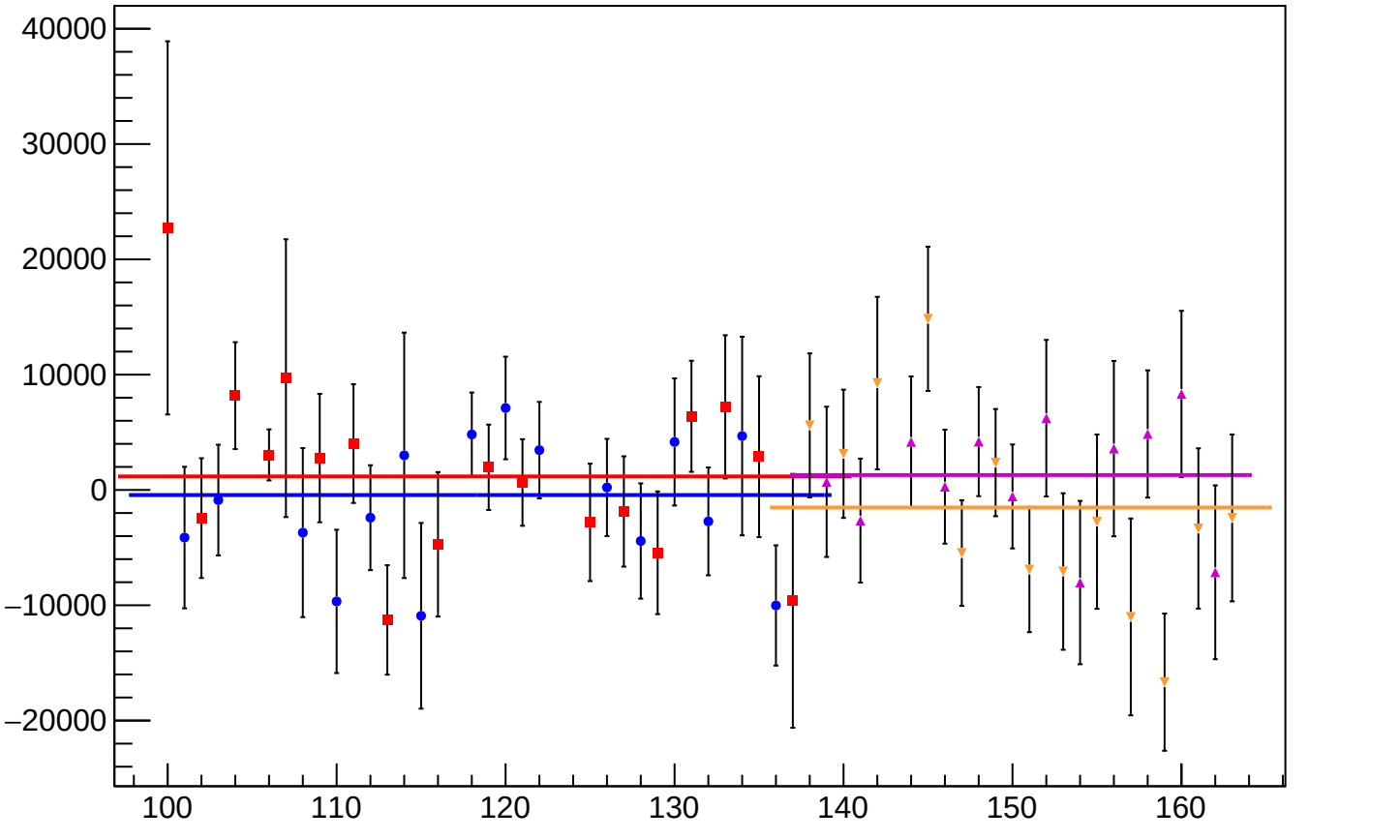
Left: 1612.978+/-0.251 χ^2/NDF: 58447.4/24

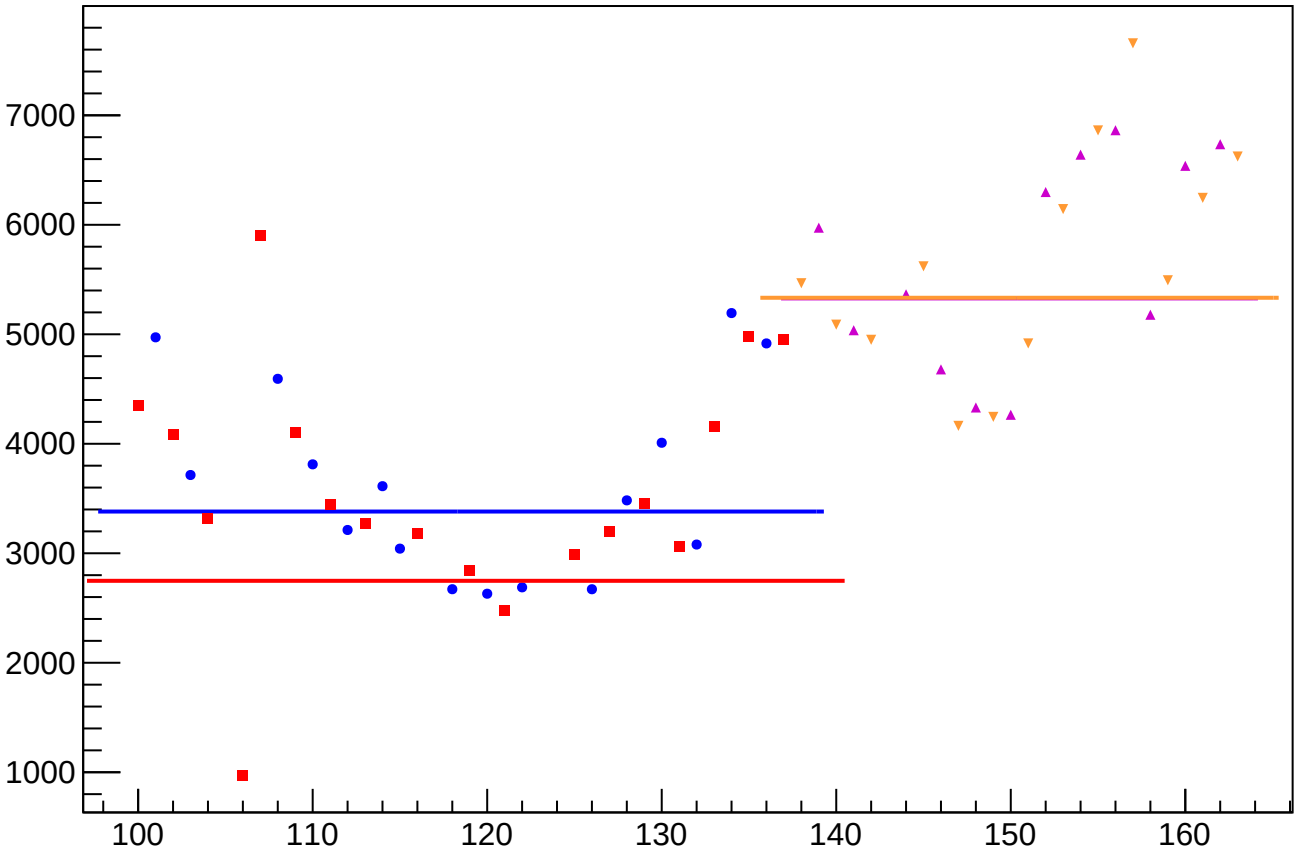
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1510.387+/-0.256 χ^2/NDF:299175.4/27

Out: 1475.727+/-0.251 χ^2/NDF:647080.2/30

All: 1492.719+/-0.179 χ^2/NDF: 955611.7/58


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -1525.199+/-1689.633 χ²/NDF:21.9/12
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 1293.289+/-1684.088 χ²/NDF:6.4/11
Left: -111.323+/-1192.786 χ²/NDF: 29.6/24
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 203.921+/-1027.038 χ²/NDF:22.9/27
Out: 348.447+/-933.467 χ²/NDF:43.3/30
All: 283.066+/-690.778 χ²/NDF: 66.2/58



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5333.533+/-1.195 χ^2/NDF:624168.8/12

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5327.608+/-1.191 χ^2/NDF:578941.2/11

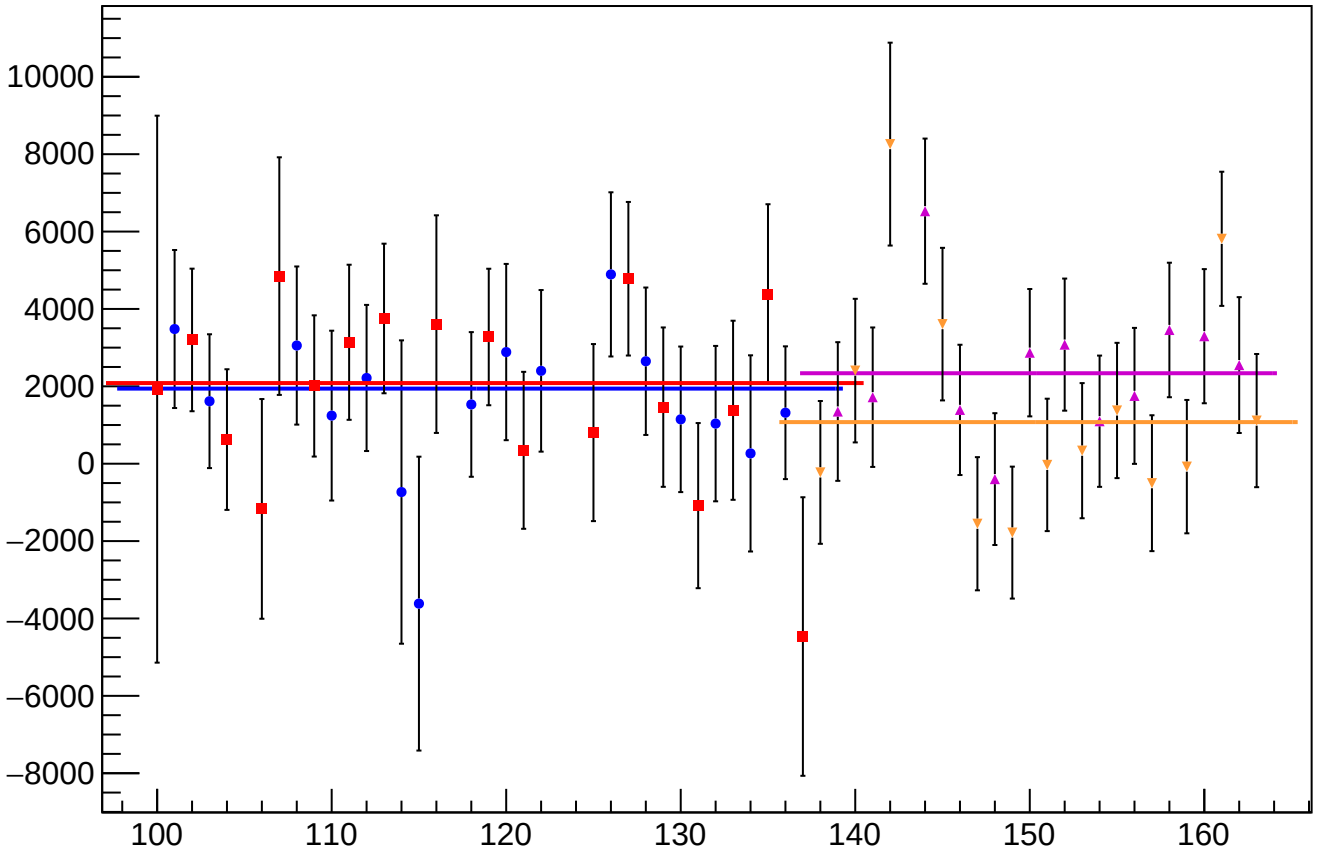
Left: 5330.561+/-0.843 χ^2/NDF: 1203122.3/24

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4105.045+/-0.726 χ^2/NDF:3014211.6/27

Out: 3537.415+/-0.660 χ^2/NDF:6141610.7/30

All: 3794.200+/-0.488 χ^2/NDF: 9490377.1/58



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2338.393+/-501.745 χ^2/NDF:10.0/11

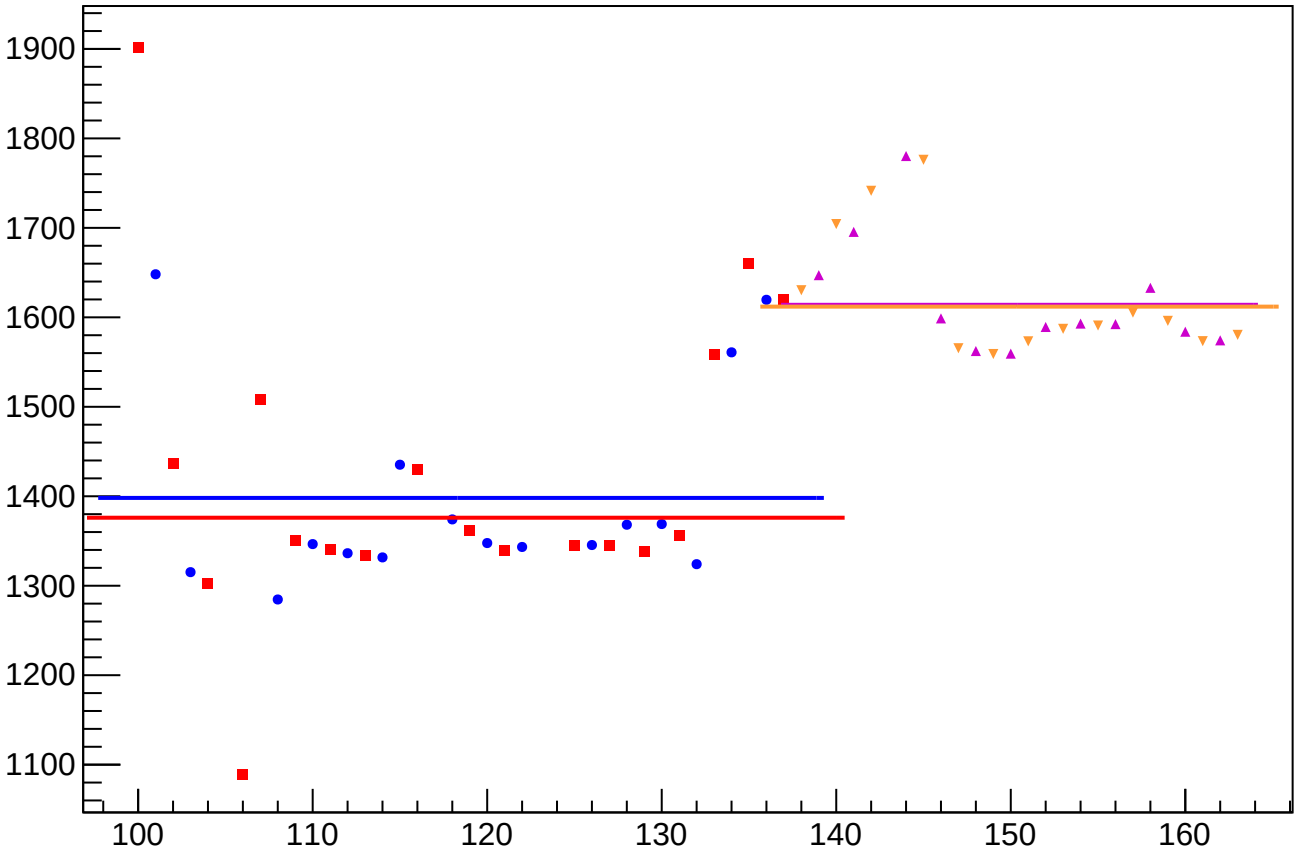
Left: 1705.012+/-354.261 χ^2/NDF: 37.8/24

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2147.637+/-361.794 χ^2/NDF:17.2/27

Out: 1560.660+/-360.376 χ^2/NDF:41.1/30

All: 1852.996+/-255.324 χ^2/NDF: 59.6/58



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1614.003+/-0.355 χ^2/NDF:27576.0/11

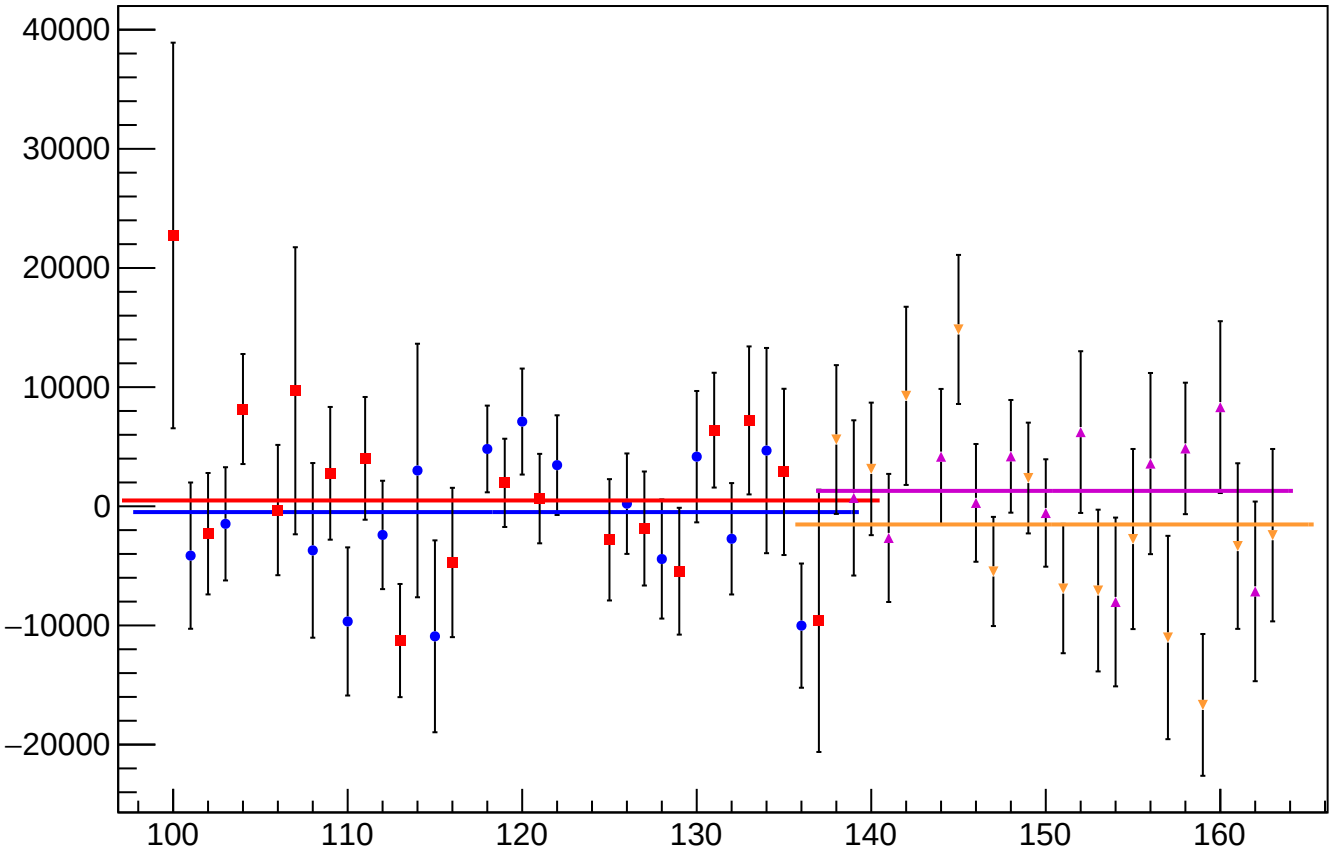
Left: 1612.978+/-0.251 χ^2/NDF: 58447.4/24

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1510.387+/-0.256 χ^2/NDF:299175.6/27

Out: 1496.883+/-0.253 χ^2/NDF:361869.6/30

All: 1503.564+/-0.180 χ^2/NDF: 662452.8/58



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1525.234+/-1689.633 χ^2/NDF:21.9/12

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1293.393+/-1684.087 χ^2/NDF:6.4/11

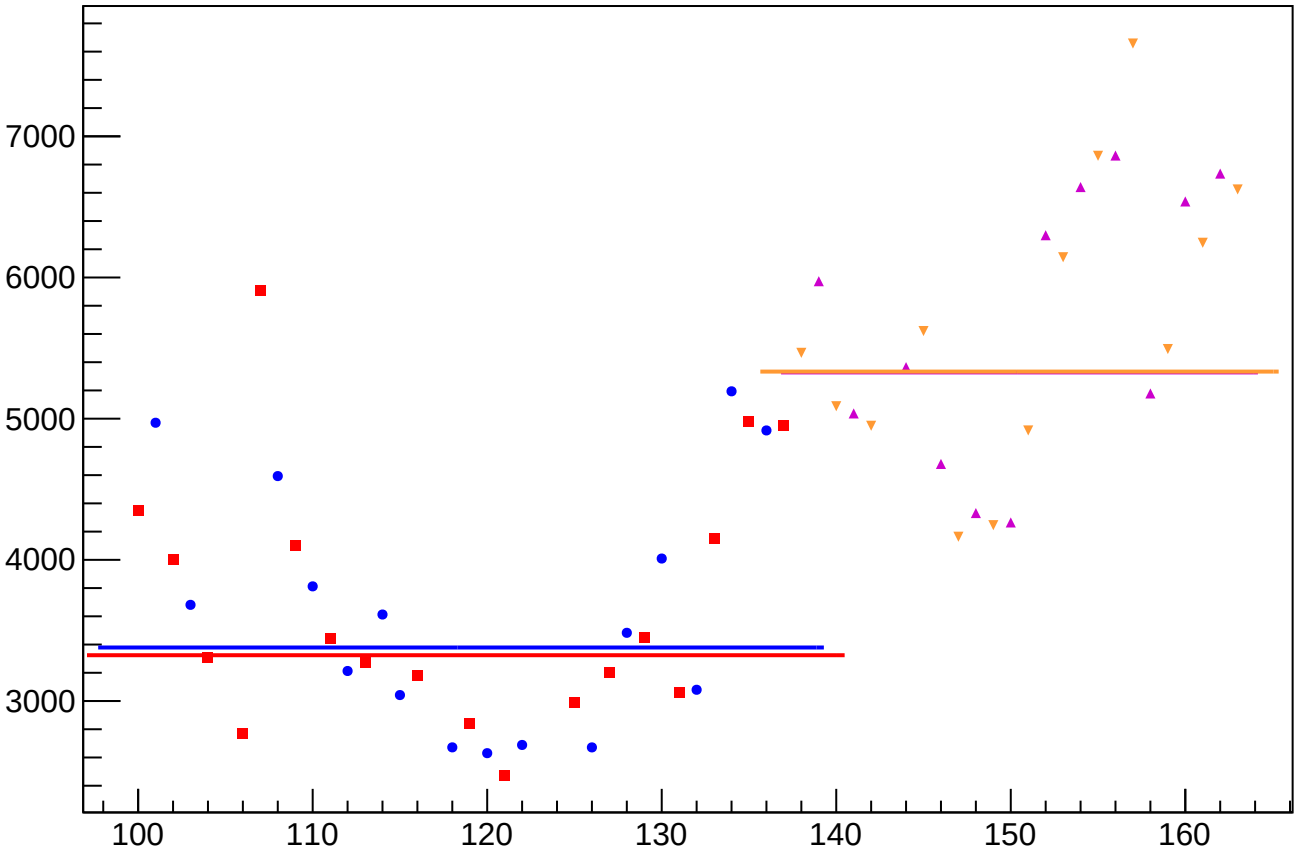
Left: -111.287+/-1192.785 χ^2/NDF: 29.6/24

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 174.796+/-1026.546 χ^2/NDF:23.0/27

Out: -232.052+/-1010.747 χ^2/NDF:41.5/30

All: -31.783+/-720.227 χ^2/NDF: 64.6/58



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5327.604+/-1.191 χ^2/NDF:578948.6/11

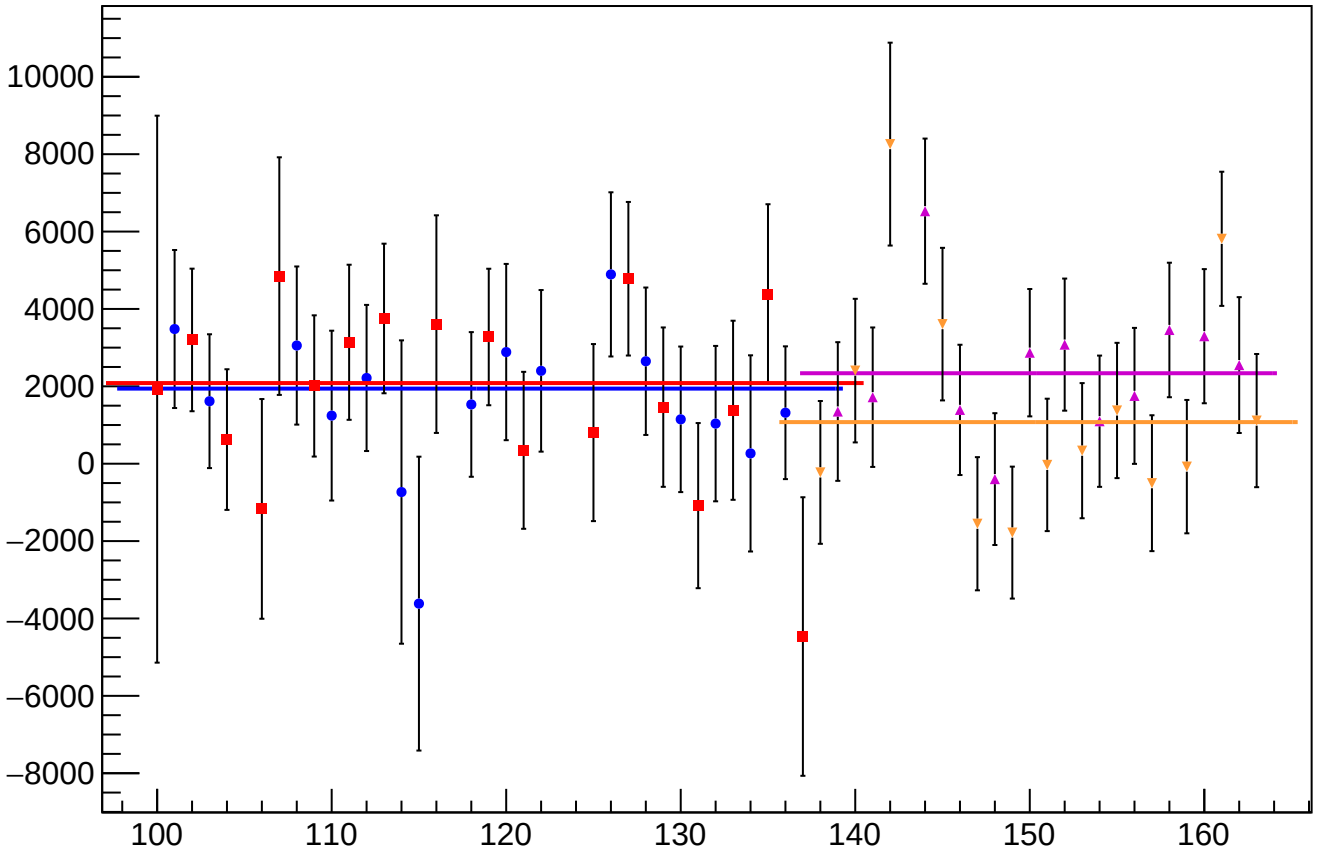
Left: 5330.560+/-0.843 χ^2/NDF: 1203127.7/24

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4103.091+/-0.726 χ^2/NDF:3016820.3/27

Out: 4043.398+/-0.715 χ^2/NDF:2983827.2/30

All: 4072.782+/-0.509 χ^2/NDF: 6004081.2/58



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 1075.372+/-500.261 χ^2/NDF:24.7/12

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2338.393+/-501.745 χ^2/NDF:10.0/11

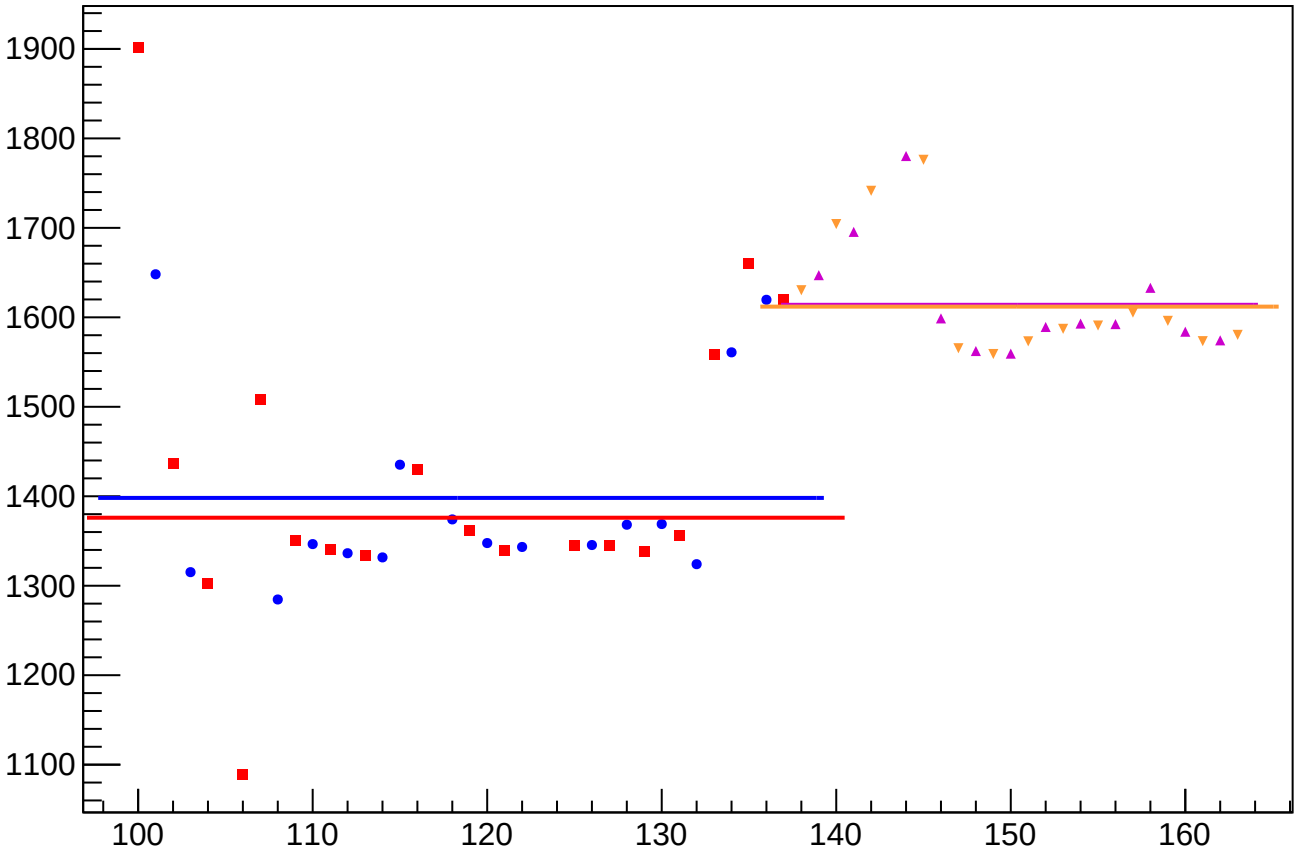
Left: 1705.012+/-354.261 χ^2/NDF: 37.8/24

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2147.637+/-361.794 χ^2/NDF:17.2/27

Out: 1560.660+/-360.376 χ^2/NDF:41.1/30

All: 1852.996+/-255.324 χ^2/NDF: 59.6/58



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1611.959+/-0.354 χ^2/NDF:30854.8/12

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1614.003+/-0.355 χ^2/NDF:27576.0/11

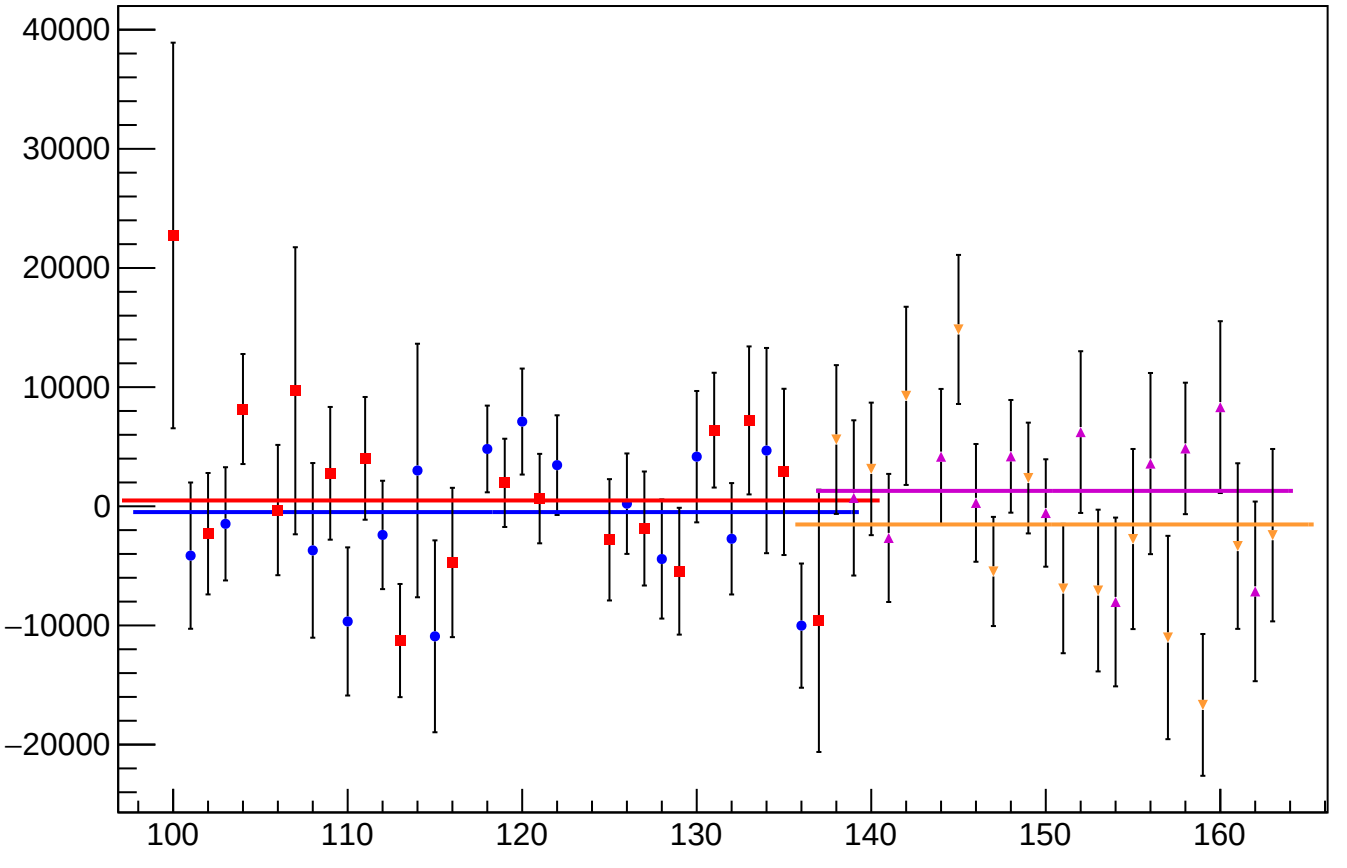
Left: 1612.978+/-0.251 χ^2/NDF: 58447.4/24

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1510.387+/-0.256 χ^2/NDF:299175.6/27

Out: 1496.883+/-0.253 χ^2/NDF:361869.6/30

All: 1503.564+/-0.180 χ^2/NDF: 662452.8/58



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -1525.234+/-1689.633 χ^2/NDF:21.9/12

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1293.393+/-1684.087 χ^2/NDF:6.4/11

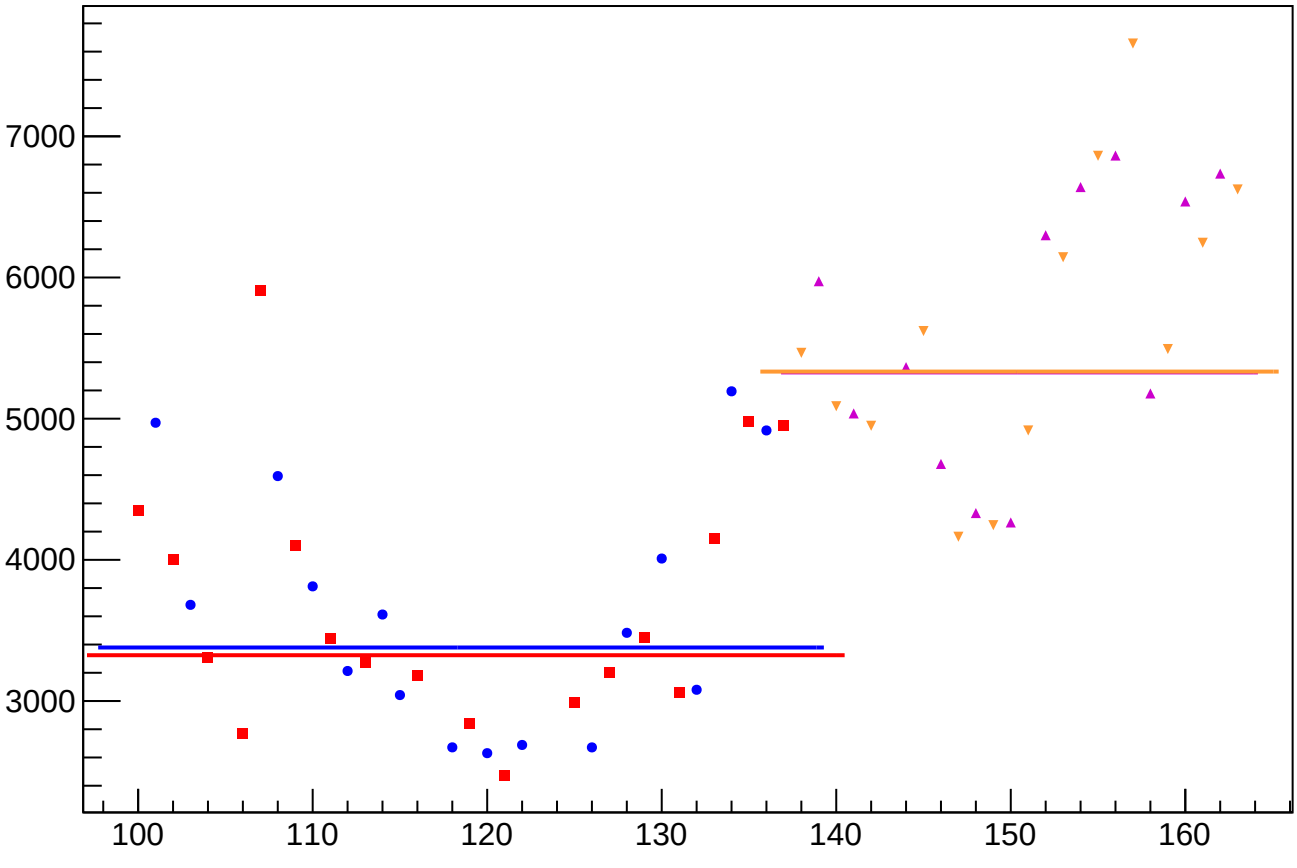
Left: -111.287+/-1192.785 χ^2/NDF: 29.6/24

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 174.796+/-1026.546 χ^2/NDF:23.0/27

Out: -232.052+/-1010.747 χ^2/NDF:41.5/30

All: -31.783+/-720.227 χ^2/NDF: 64.6/58



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5333.535+/-1.195 χ^2/NDF:624166.7/12

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5327.604+/-1.191 χ^2/NDF:578948.6/11

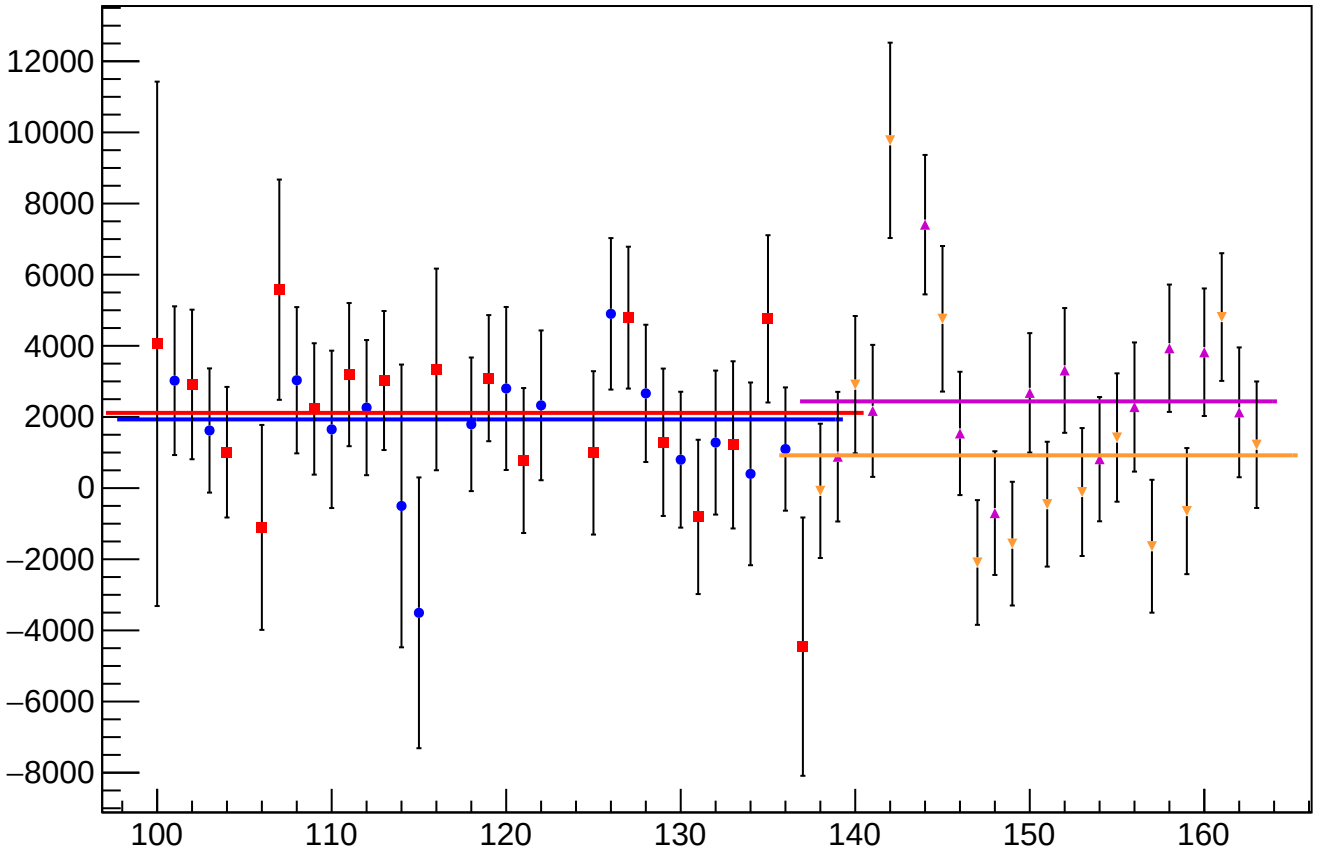
Left: 5330.560+/-0.843 χ^2/NDF: 1203127.7/24

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4103.091+/-0.726 χ^2/NDF:3016820.3/27

Out: 4043.398+/-0.715 χ^2/NDF:2983827.2/30

All: 4072.782+/-0.509 χ^2/NDF: 6004081.2/58



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 921.913+/-516.433 χ^2/NDF:28.6/12

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2438.312+/-516.424 χ^2/NDF:13.2/11

Left: 1680.125+/-365.170 χ^2/NDF: 46.1/24

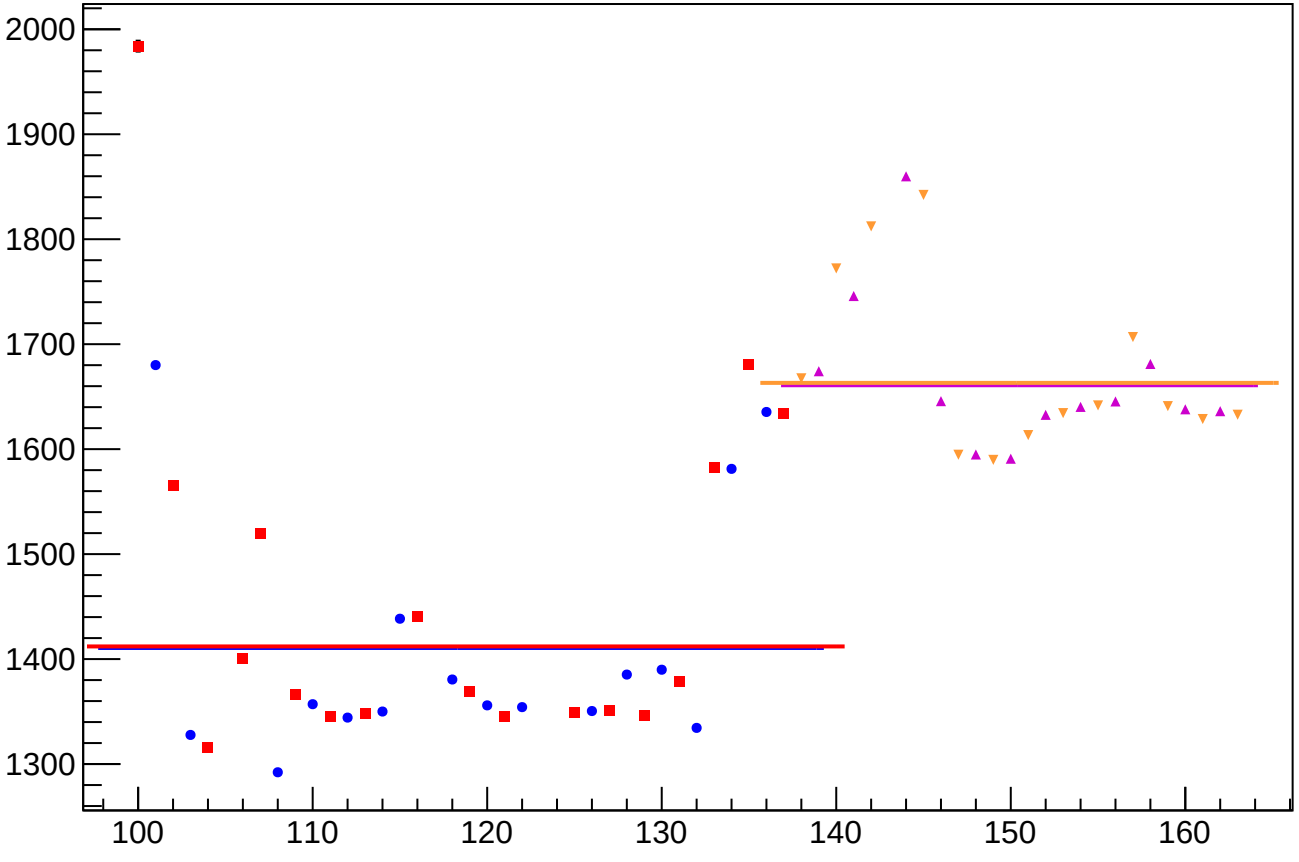
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2190.125+/-368.896 χ^2/NDF:20.0/27

Out: 1504.434+/-369.469 χ^2/NDF:44.5/30

All: 1847.812+/-261.051 χ^2/NDF: 66.2/58

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1663.137+/-0.365 χ^2/NDF:39347.9/12

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1660.890+/-0.365 χ^2/NDF:33315.3/11

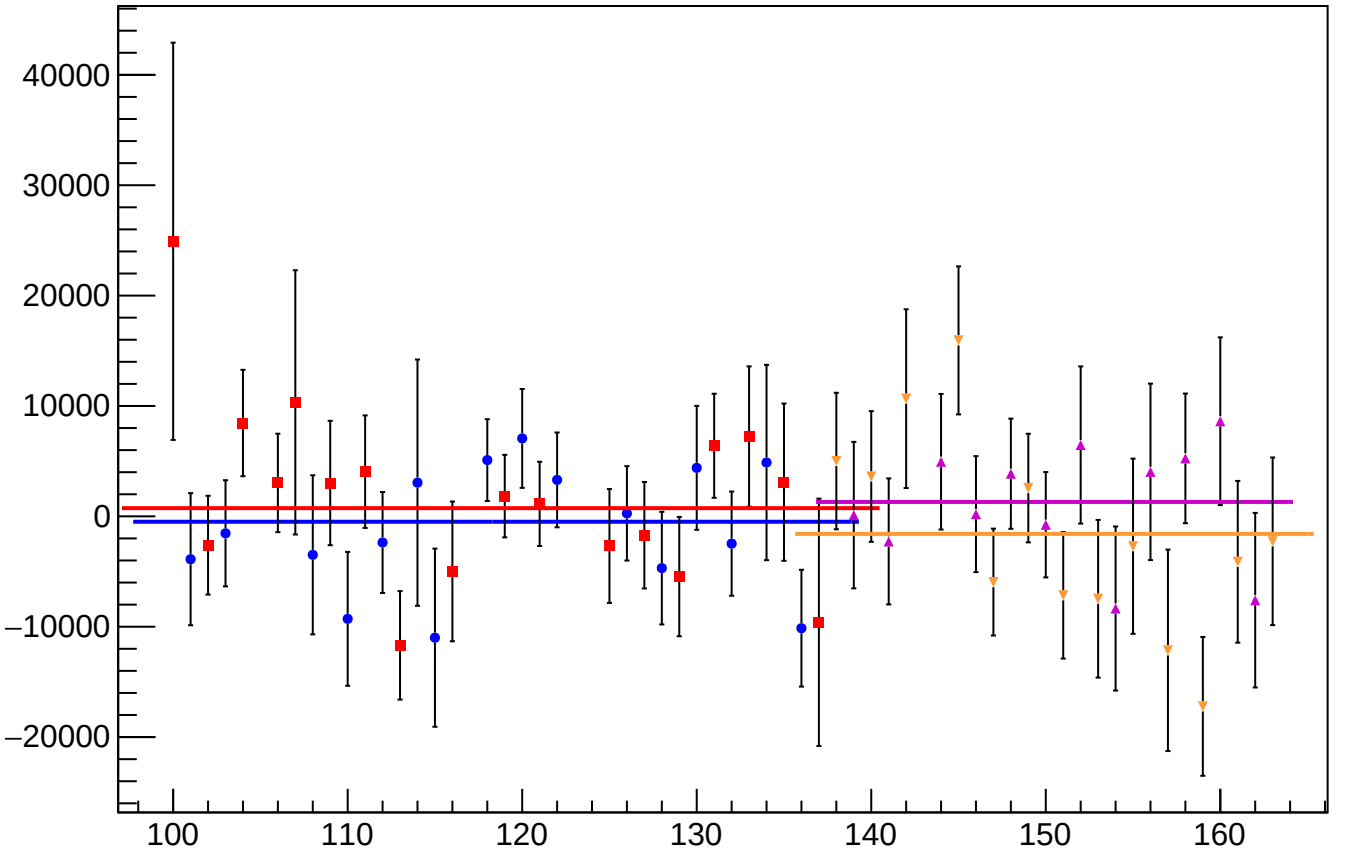
Left: 1662.014+/-0.258 χ^2/NDF: 72682.2/24

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1538.312+/-0.261 χ^2/NDF:362548.0/27

Out: 1540.228+/-0.261 χ^2/NDF:360478.9/30

All: 1539.270+/-0.184 χ^2/NDF: 723053.8/58



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -1590.836+/-1780.817 χ^2/NDF:21.8/12

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1303.315+/-1779.147 χ^2/NDF:6.2/11

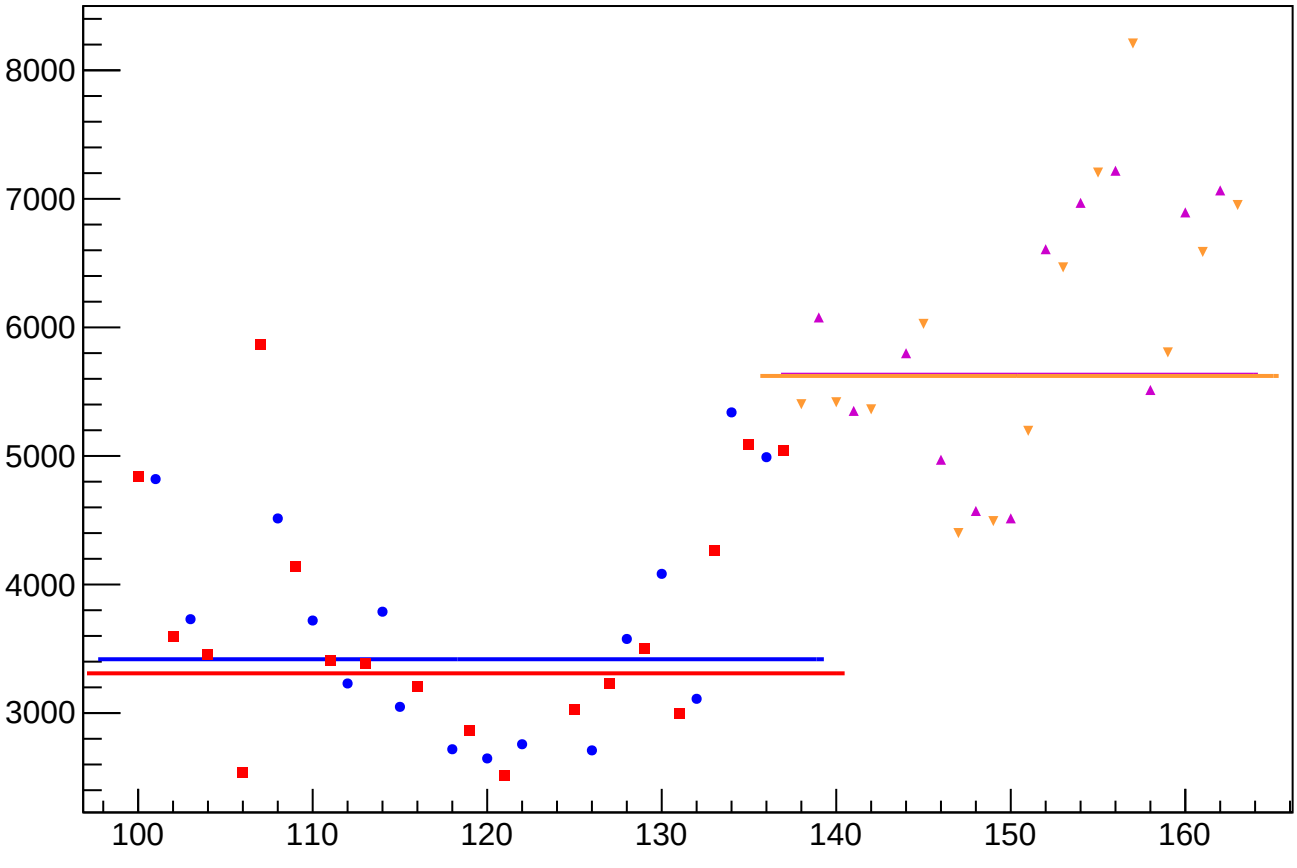
Left: -142.403+/-1258.637 χ^2/NDF: 29.4/24

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 140.019+/-1054.209 χ^2/NDF:22.7/27

Out: -27.255+/-1021.987 χ^2/NDF:42.2/30

All: 53.787+/-733.781 χ^2/NDF: 64.9/58



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5622.437+/-1.259 χ^2/NDF:623997.3/12

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5632.057+/-1.258 χ^2/NDF:549697.0/11

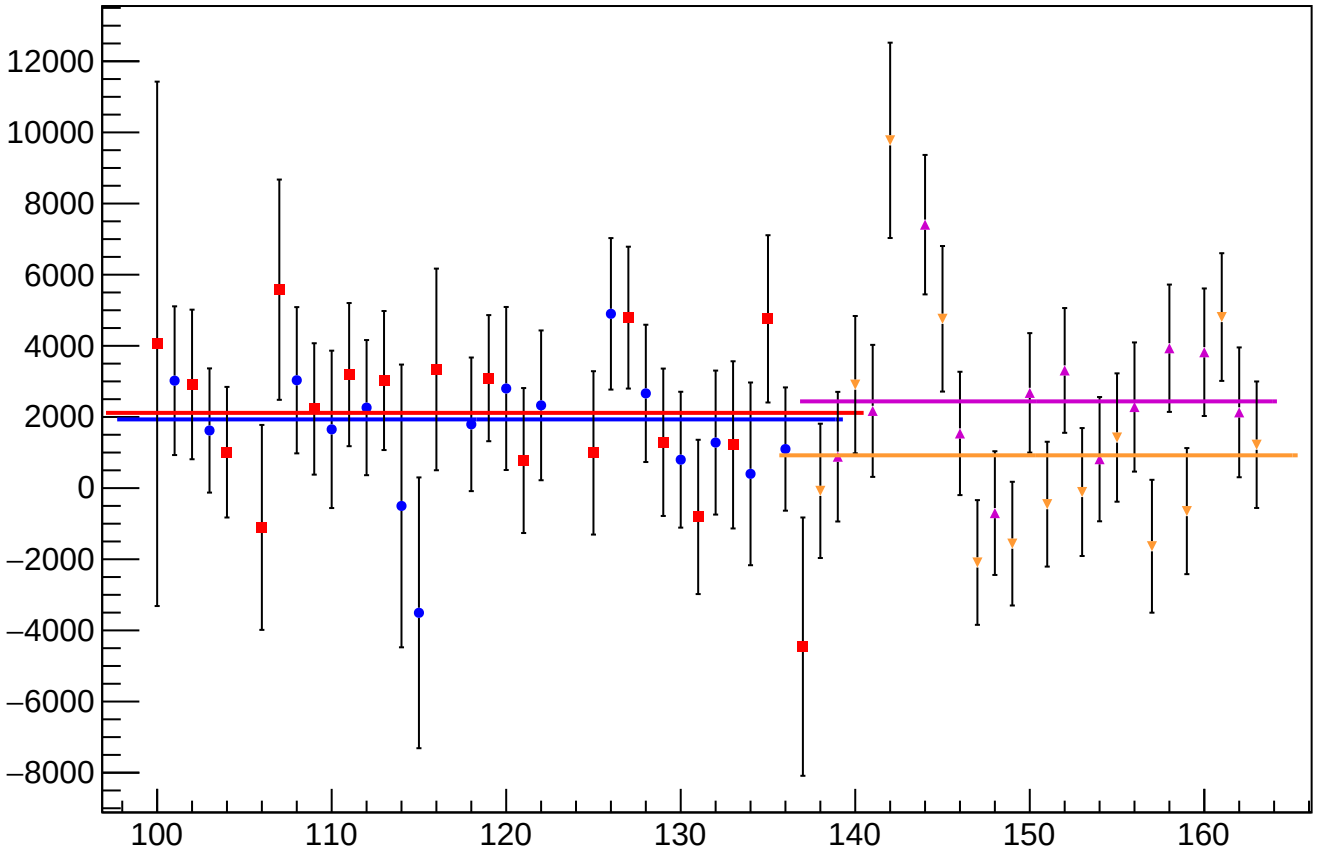
Left: 5627.251+/-0.890 χ^2/NDF: 1173723.5/24

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4195.808+/-0.745 χ^2/NDF:3279485.4/27

Out: 4070.997+/-0.723 χ^2/NDF:3459346.8/30

All: 4131.466+/-0.519 χ^2/NDF: 6753284.2/58



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 921.906+/-516.433 χ^2/NDF:28.6/12

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2438.314+/-516.425 χ^2/NDF:13.2/11

Left: 1680.122+/-365.170 χ^2/NDF: 46.1/24

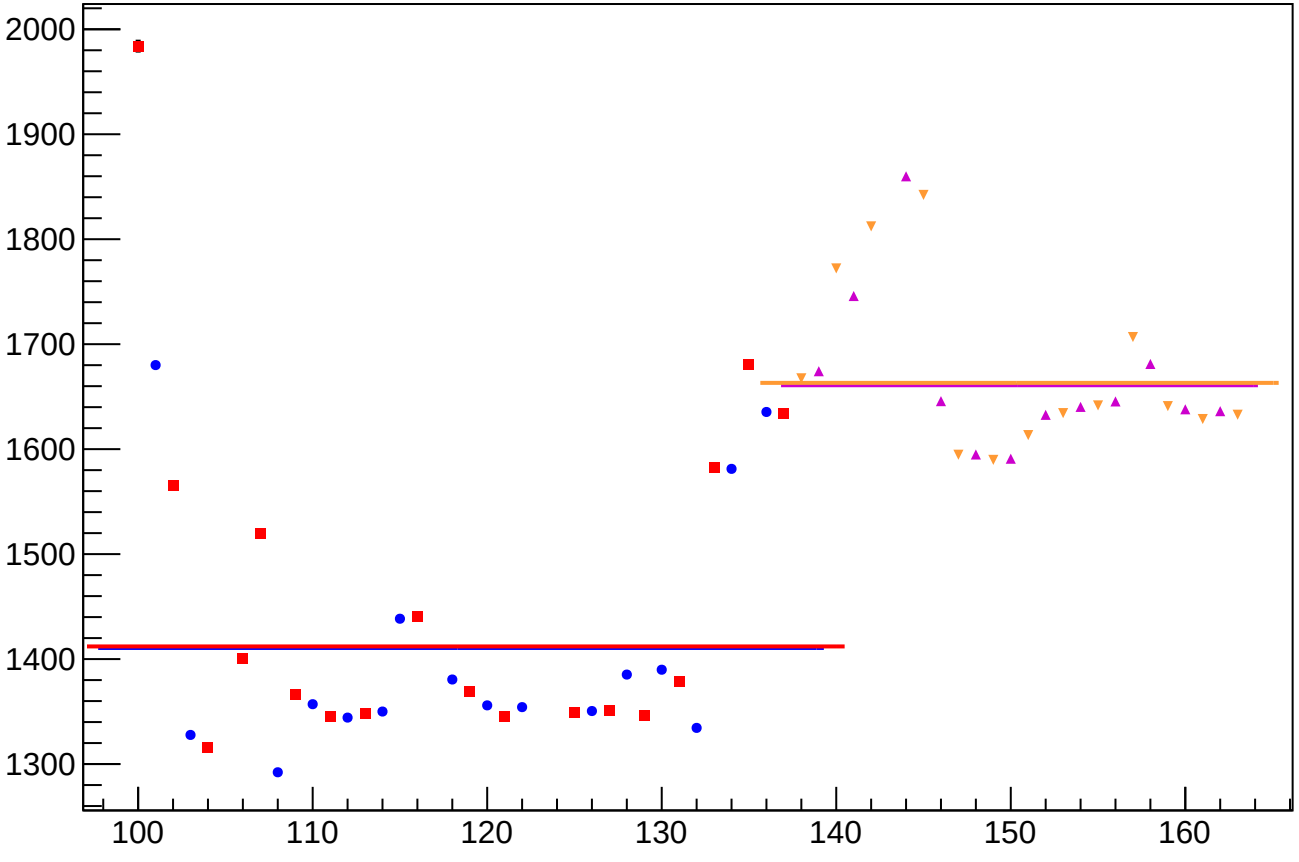
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2190.127+/-368.896 χ^2/NDF:20.0/27

Out: 1504.431+/-369.469 χ^2/NDF:44.5/30

All: 1847.811+/-261.051 χ^2/NDF: 66.2/58

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1663.138+/-0.365 χ^2/NDF:39348.7/12

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1660.892+/-0.365 χ^2/NDF:33315.7/11

Left: 1662.015+/-0.258 χ^2/NDF: 72683.3/24

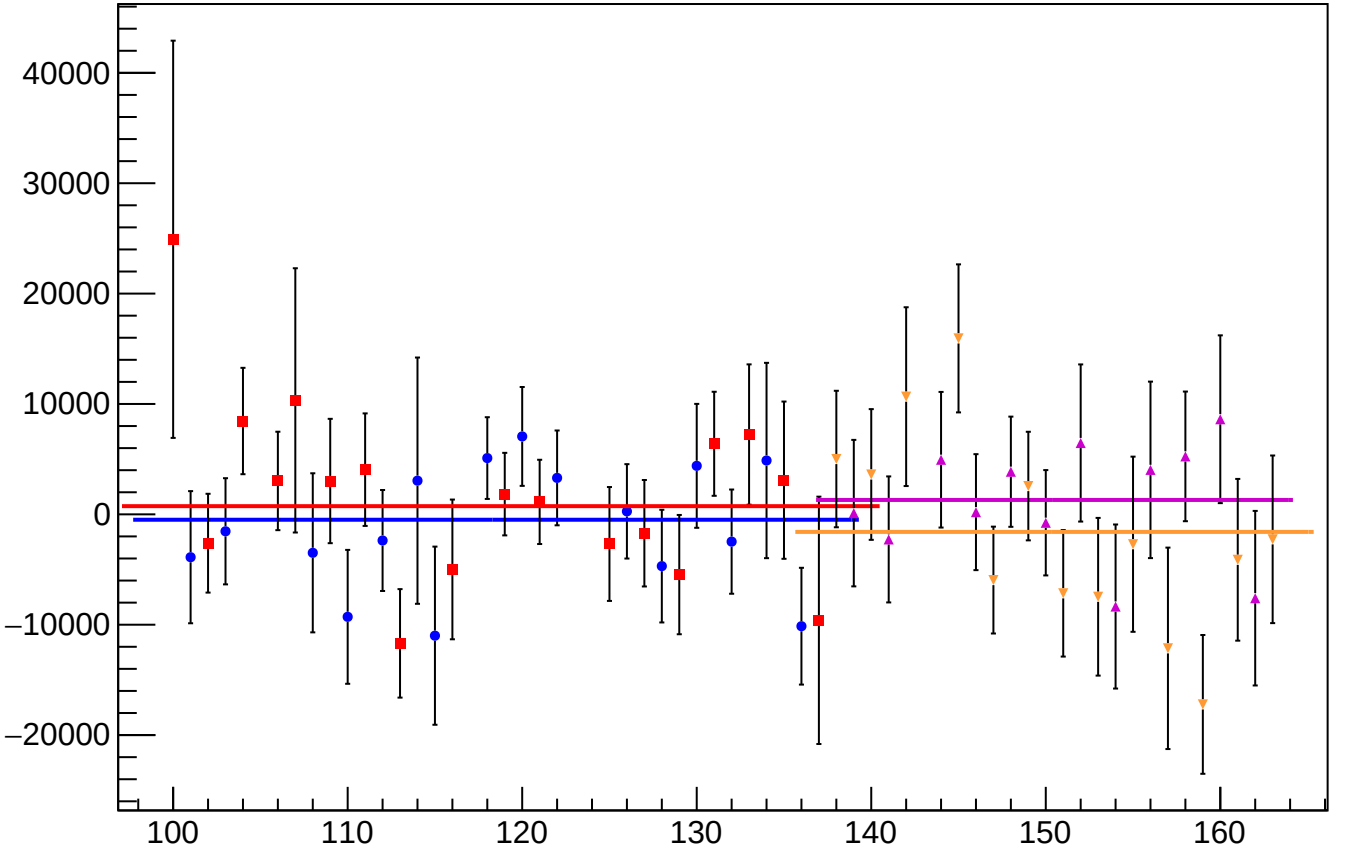
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1538.312+/-0.261 χ^2/NDF:362550.6/27

Out: 1540.229+/-0.261 χ^2/NDF:360482.5/30

All: 1539.270+/-0.184 χ^2/NDF: 723060.1/58

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -1590.846+/-1780.819 χ^2/NDF:21.8/12

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1303.317+/-1779.149 χ^2/NDF:6.2/11

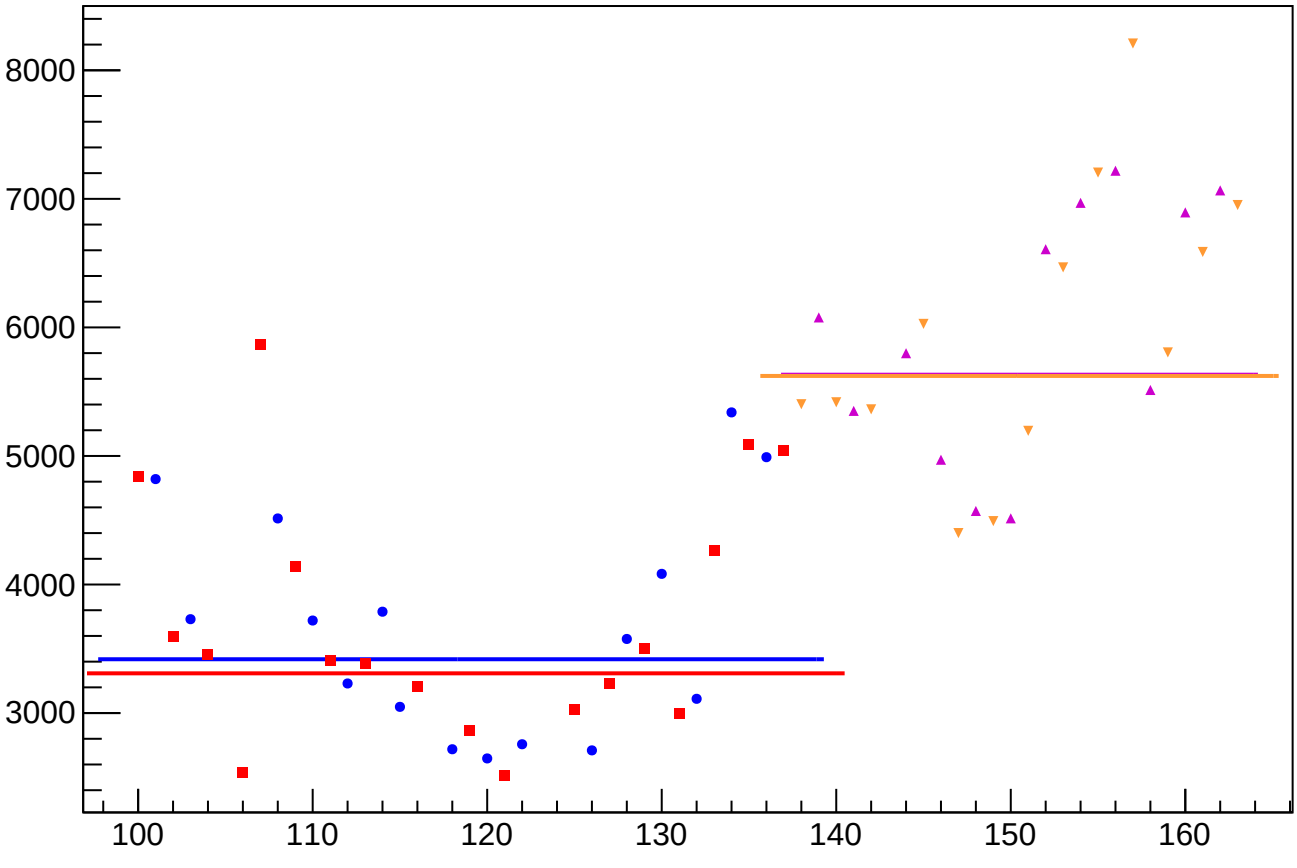
Left: -142.407+/-1258.638 χ^2/NDF: 29.4/24

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 140.021+/-1054.207 χ^2/NDF:22.7/27

Out: -27.252+/-1021.986 χ^2/NDF:42.2/30

All: 53.789+/-733.780 χ^2/NDF: 64.9/58



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5622.444+/-1.259 χ^2/NDF:623999.9/12

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5632.064+/-1.258 χ^2/NDF:549699.4/11

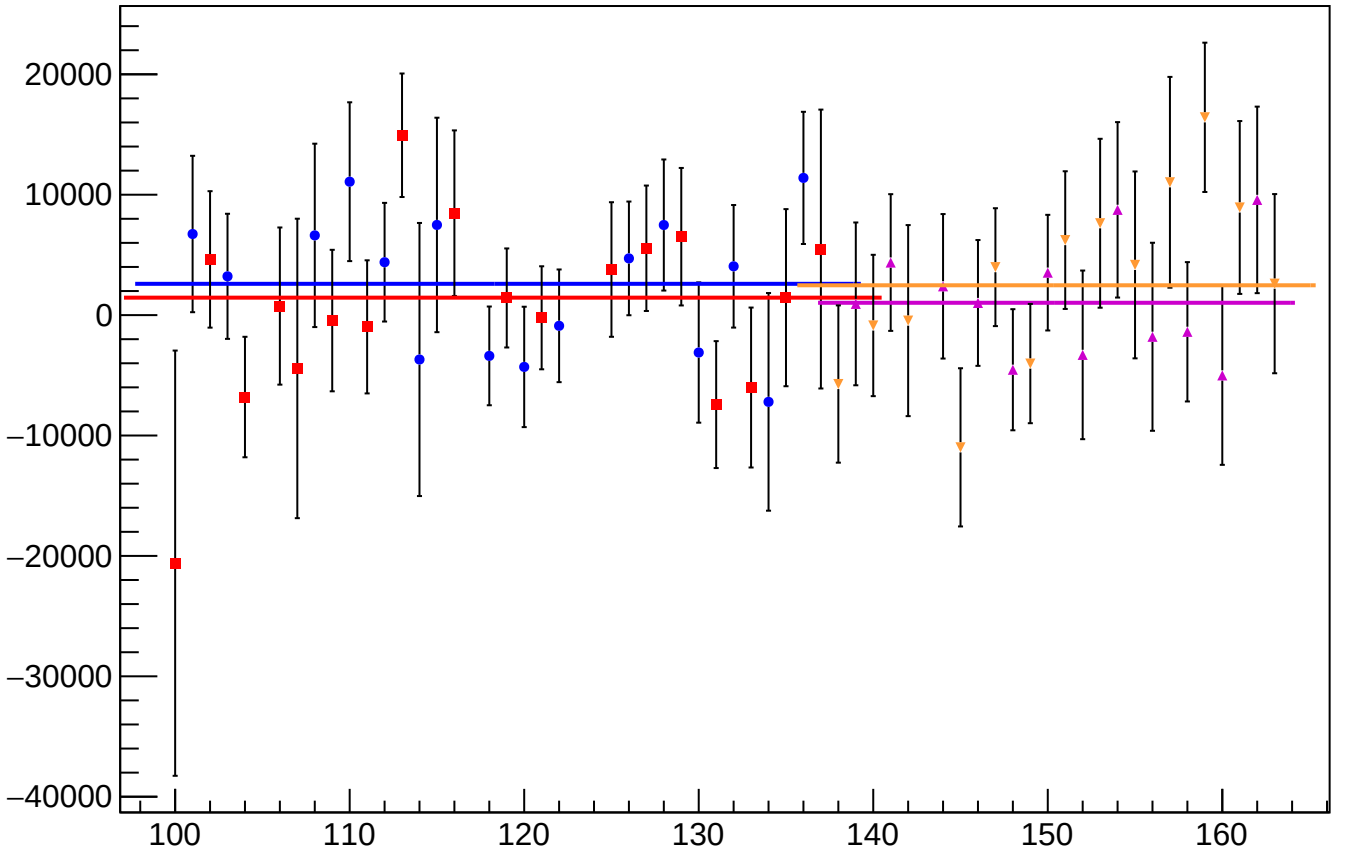
Left: 5627.258+/-0.890 χ^2/NDF: 1173728.5/24

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4195.799+/-0.745 χ^2/NDF:3279529.9/27

Out: 4070.988+/-0.723 χ^2/NDF:3459386.7/30

All: 4131.457+/-0.519 χ^2/NDF: 6753368.5/58



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 2477.750+/-1773.216 χ^2/NDF:15.9/12

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1024.251+/-1766.420 χ^2/NDF:5.6/11

Left: 1748.209+/-1251.443 χ^2/NDF: 21.8/24

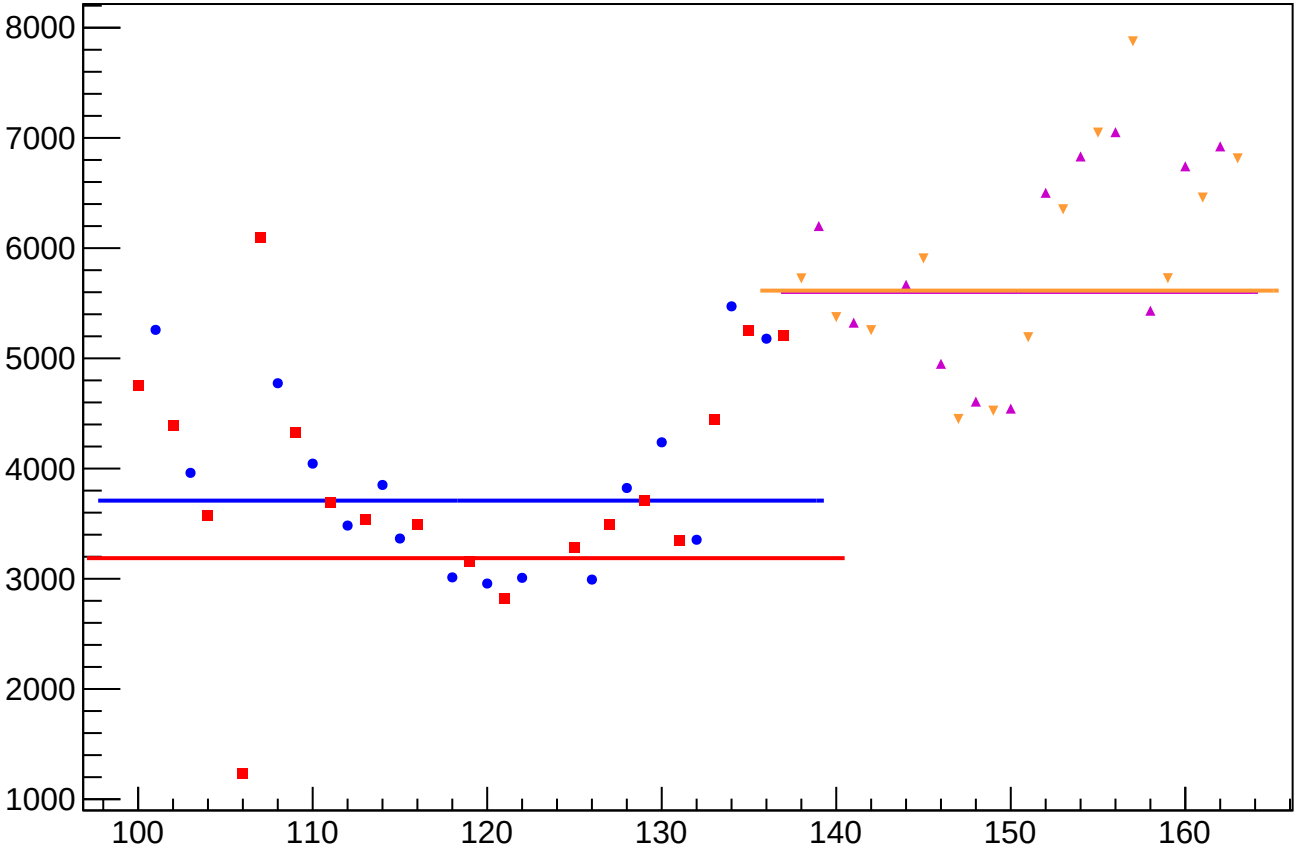
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1984.120+/-1104.122 χ^2/NDF:19.5/27

Out: 1838.919+/-1090.442 χ^2/NDF:35.1/30

All: 1910.615+/-775.850 χ^2/NDF: 54.7/58

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5614.716+/-1.254 χ^2/NDF:537041.9/12

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5602.696+/-1.249 χ^2/NDF:493131.0/11

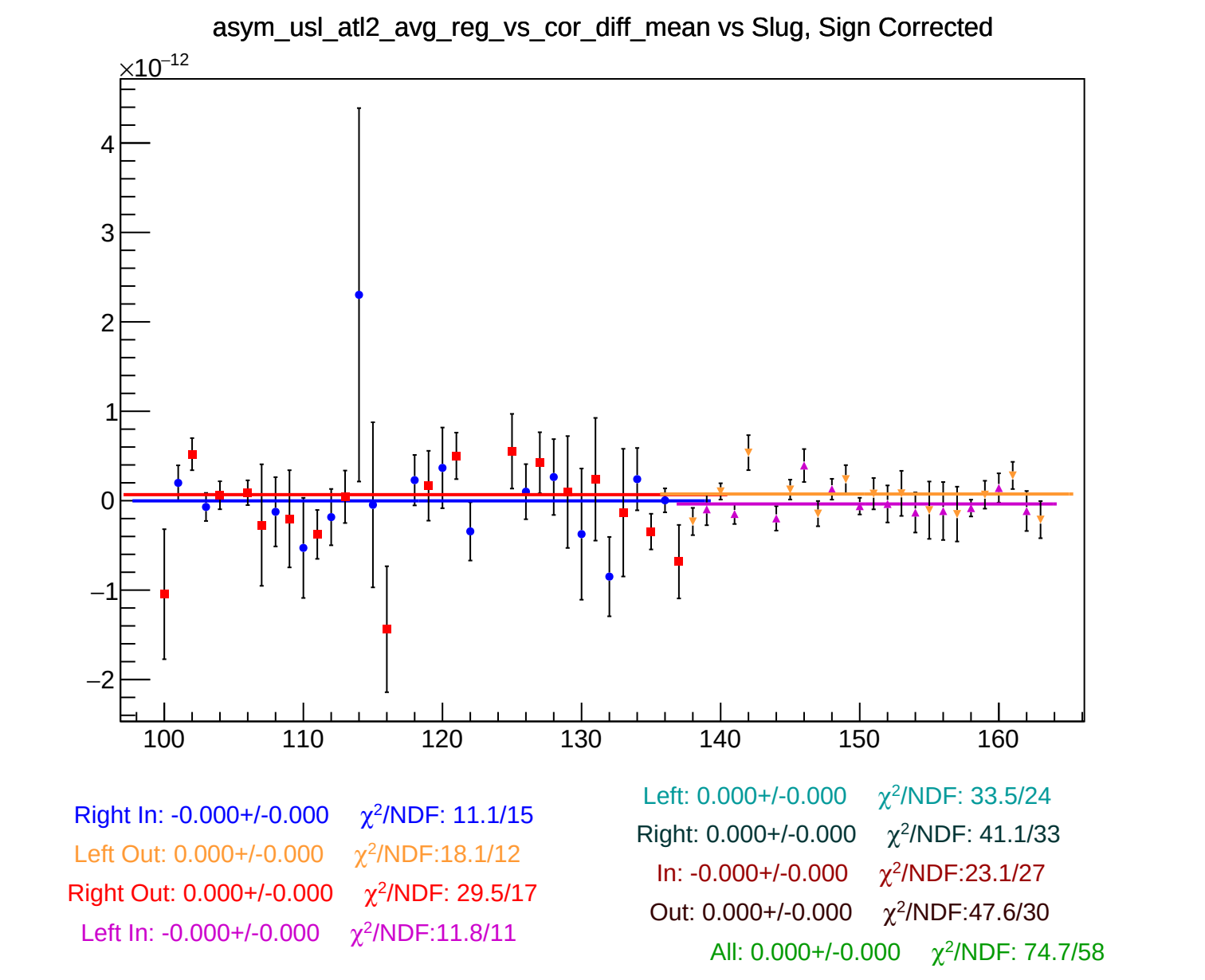
Left: 5608.683+/-0.885 χ^2/NDF: 1030219.0/24

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4448.965+/-0.781 χ^2/NDF:2504070.8/27

Out: 4007.249+/-0.729 χ^2/NDF:4629921.1/30

All: 4212.918+/-0.533 χ^2/NDF: 7305047.7/58


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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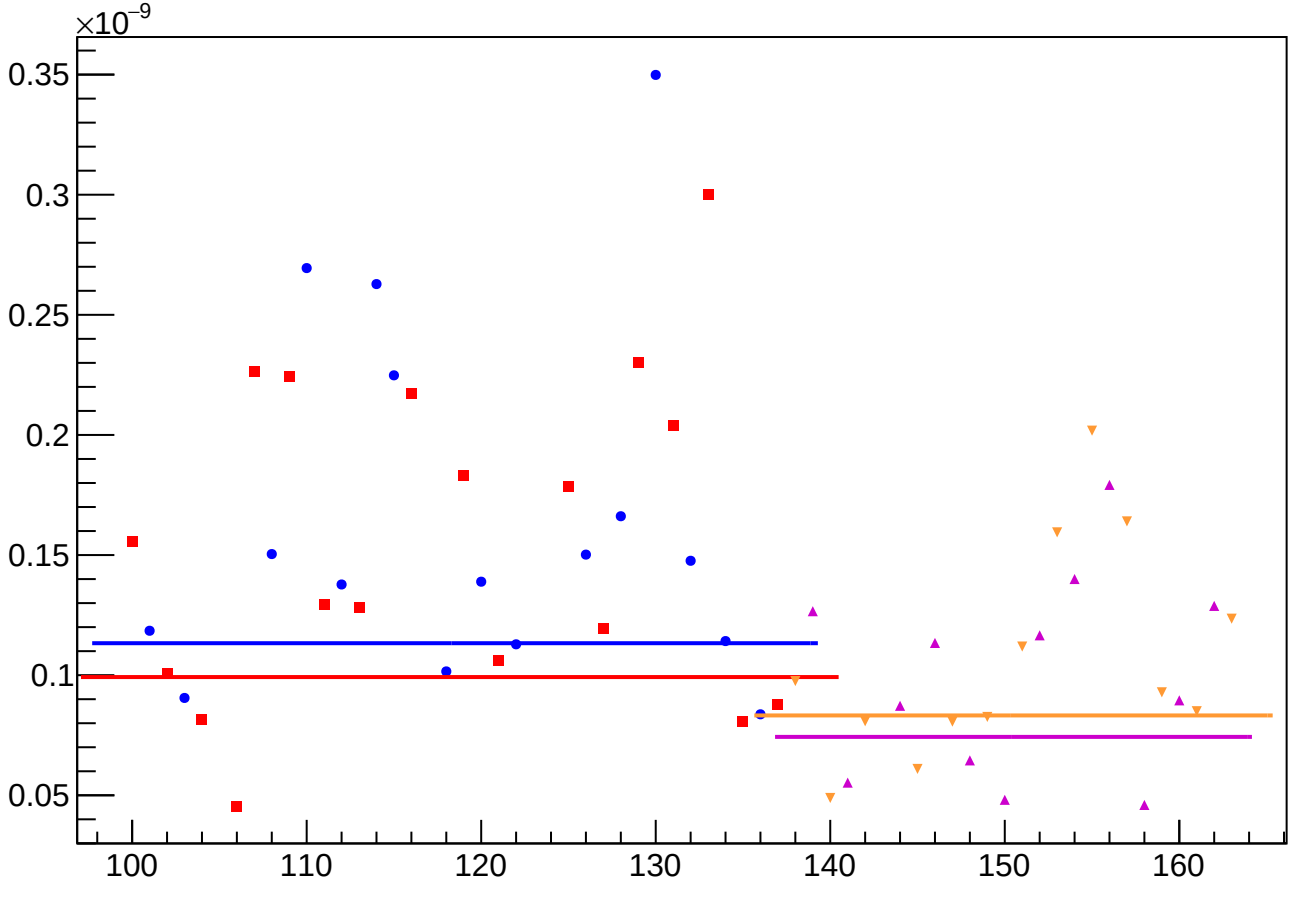
0
−1
−2
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:11.8/11
Left: 0.000+/-0.000 χ²/NDF: 33.5/24
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:23.1/27
Out: 0.000+/-0.000 χ²/NDF:47.6/30
All: 0.000+/-0.000 χ²/NDF: 74.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1115281.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1293237.6/11

Left: 0.000+/-0.000 χ^2/NDF: 2453935.4/24

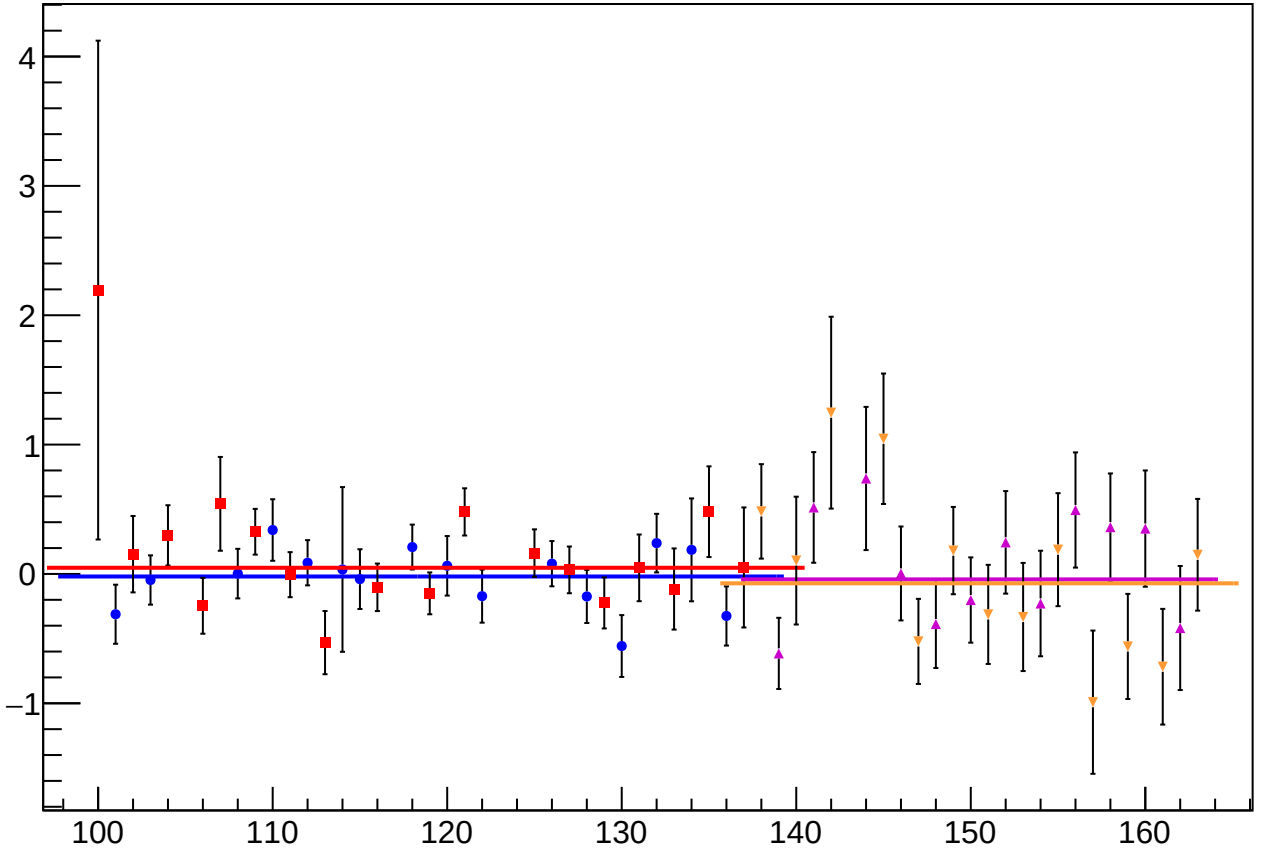
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:2409139.0/27

Out: 0.000+/-0.000 χ^2/NDF:2298796.9/30

All: 0.000+/-0.000 χ^2/NDF: 4720607.4/58

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.042+/-0.112 χ^2/NDF:13.8/11

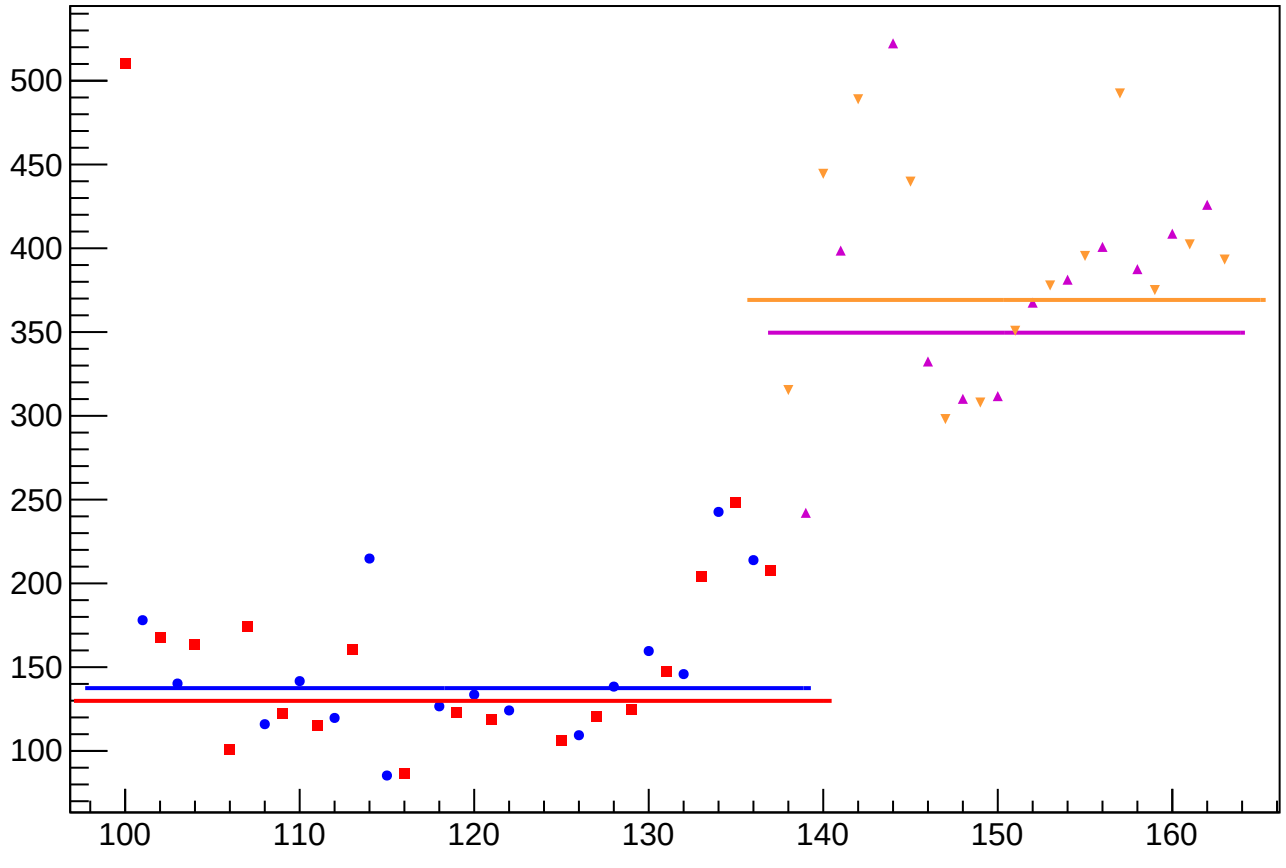
Left: -0.057+/-0.081 χ^2/NDF: 34.4/24

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:29.8/27

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.002+/-0.034 χ^2/NDF: 78.2/58



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 369.176+/-0.083 χ^2/NDF:469852.5/12

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 349.624+/-0.079 χ^2/NDF:728591.4/11

Left: 358.948+/-0.057 χ^2/NDF: 1227568.5/24

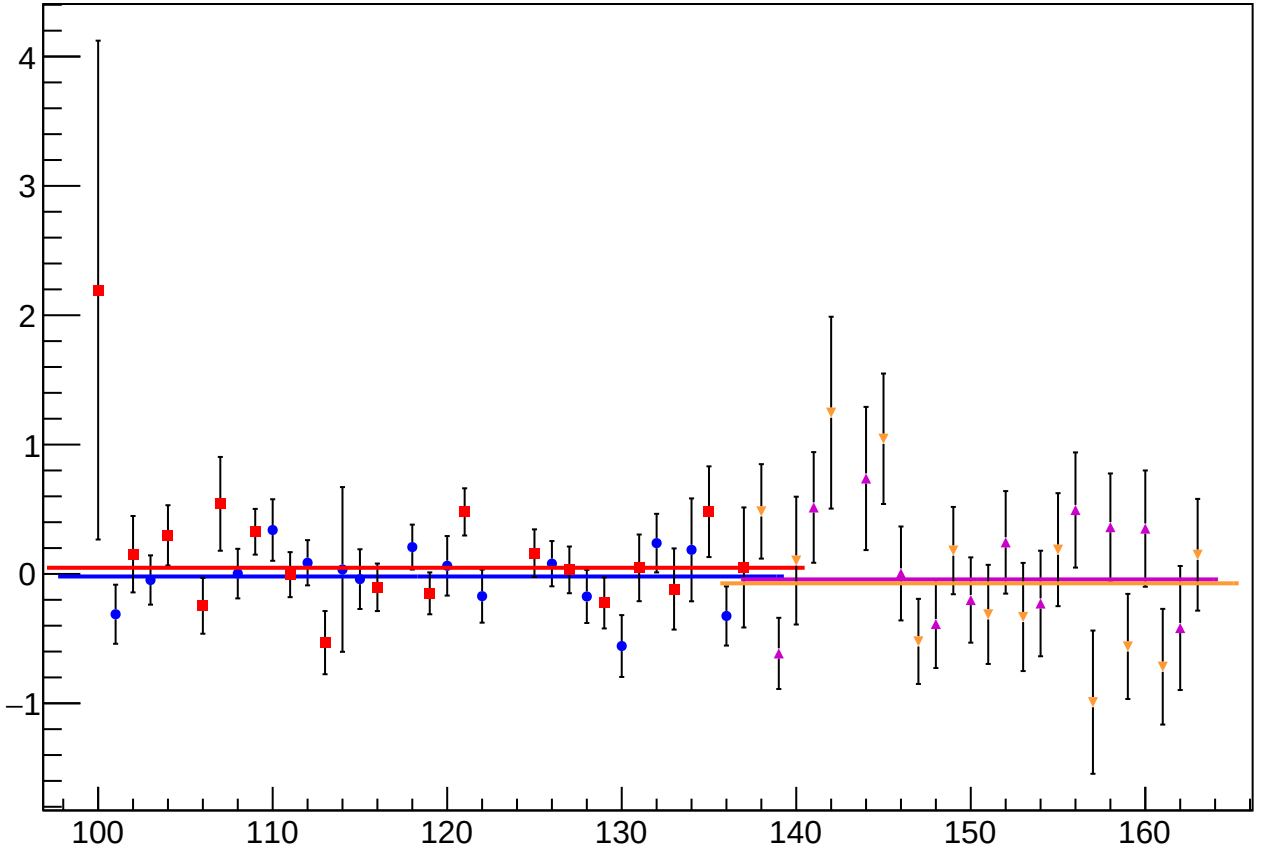
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 177.819+/-0.034 χ^2/NDF:7244362.7/27

Out: 169.878+/-0.034 χ^2/NDF:8249013.6/30

All: 173.776+/-0.024 χ^2/NDF: 15520356.1/58

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.042+/-0.112 χ^2/NDF:13.8/11

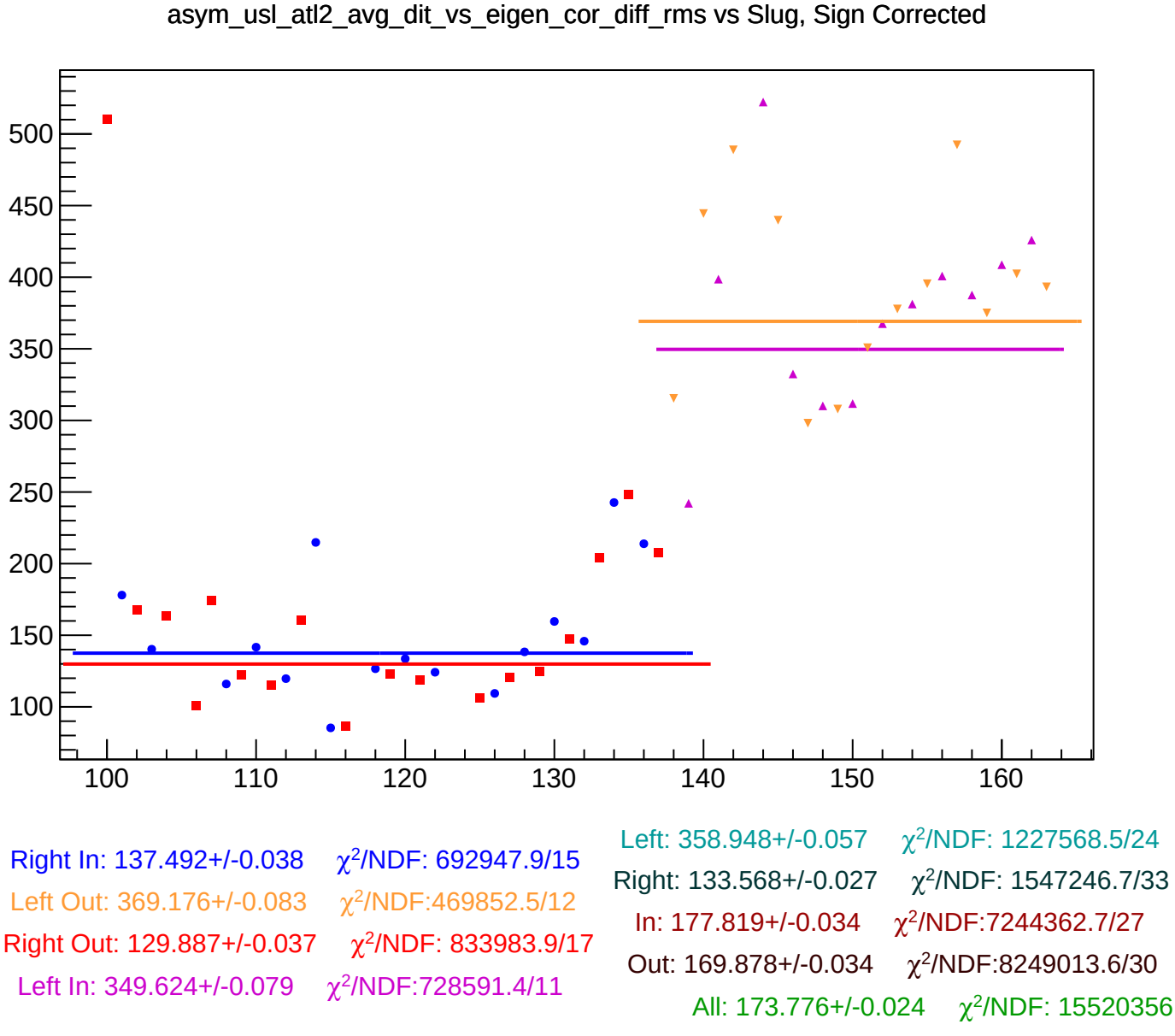
Left: -0.057+/-0.081 χ^2/NDF: 34.4/24

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:29.8/27

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.002+/-0.034 χ^2/NDF: 78.2/58


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
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100
100
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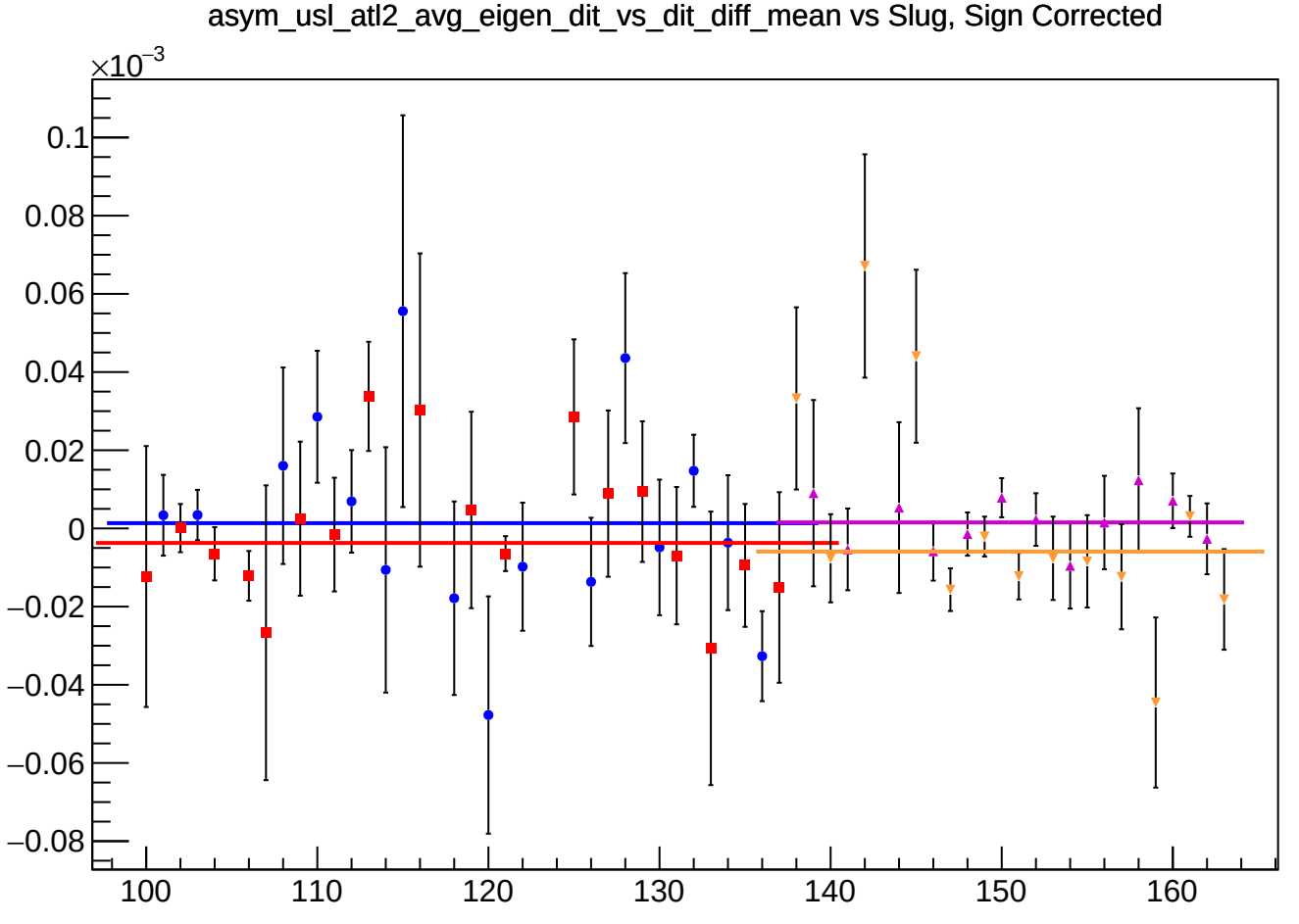
120
130
140
150
160
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 369.176+/-0.083 χ²/NDF:469852.5/12
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 349.624+/-0.079 χ²/NDF:728591.4/11
Left: 358.948+/-0.057 χ²/NDF: 1227568.5/24
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 177.819+/-0.034 χ²/NDF:7244362.7/27
Out: 169.878+/-0.034 χ²/NDF:8249013.6/30
All: 173.776+/-0.024 χ²/NDF: 15520356.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:5.7/11

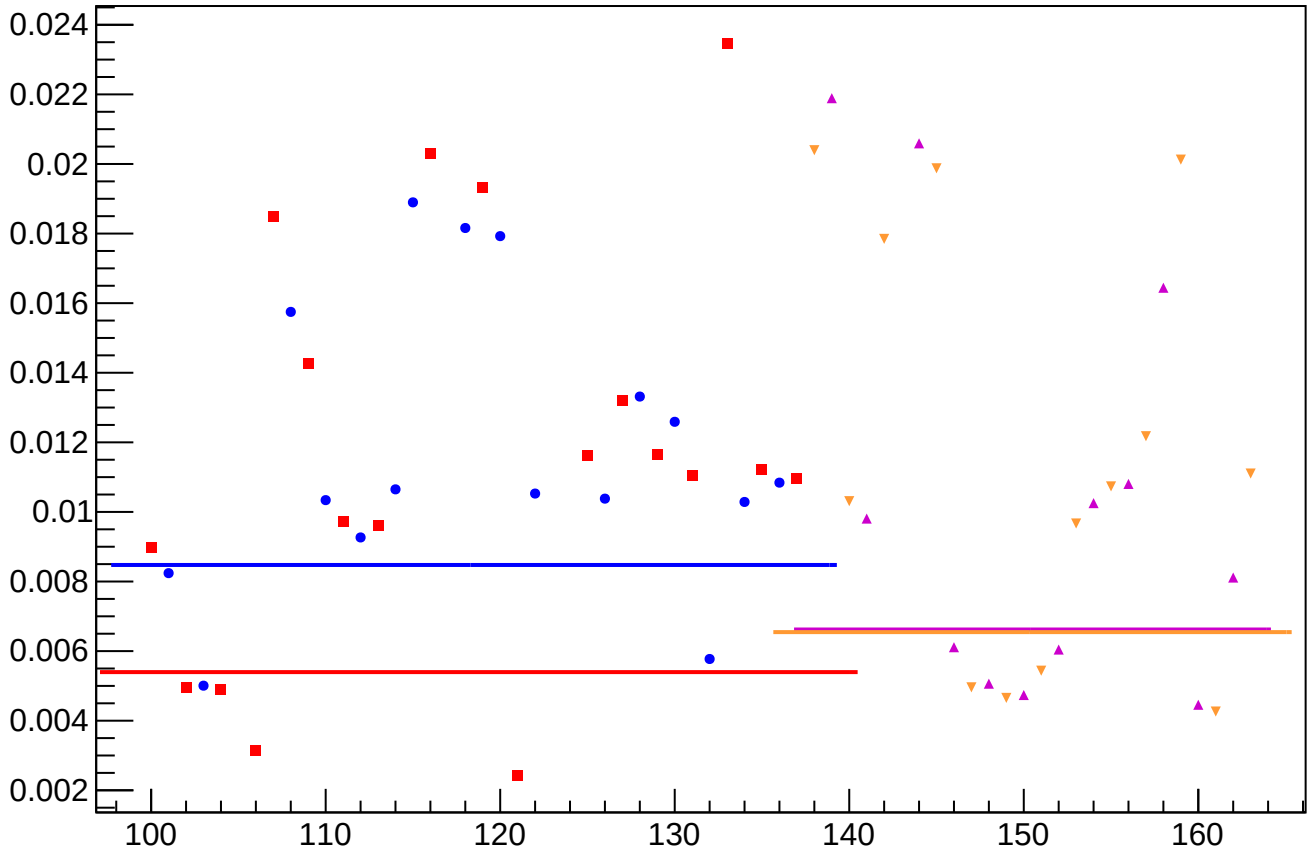
Left: -0.000+/-0.000 χ^2/NDF: 37.3/24

Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:29.6/27

Out: -0.000+/-0.000 χ^2/NDF:42.9/30

All: -0.000+/-0.000 χ^2/NDF: 78.4/58



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.007+/-0.000 χ^2/NDF:4669790.9/12

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.007+/-0.000 χ^2/NDF:3573146.4/11

Left: 0.007+/-0.000 χ^2/NDF: 8243939.3/24

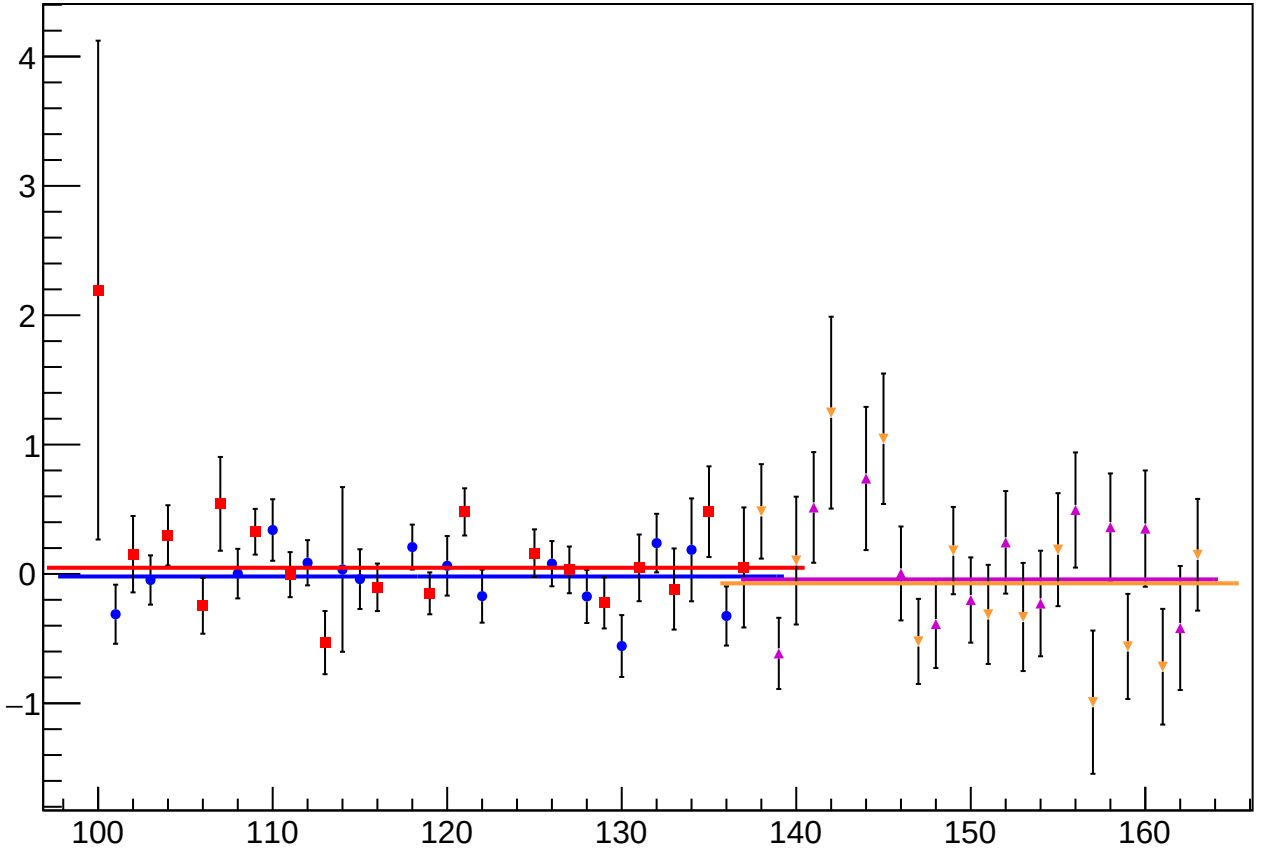
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:5891059.2/27

Out: 0.006+/-0.000 χ^2/NDF:9799940.2/30

All: 0.007+/-0.000 χ^2/NDF: 16120087.6/58

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.042+/-0.112 χ^2/NDF:13.8/11

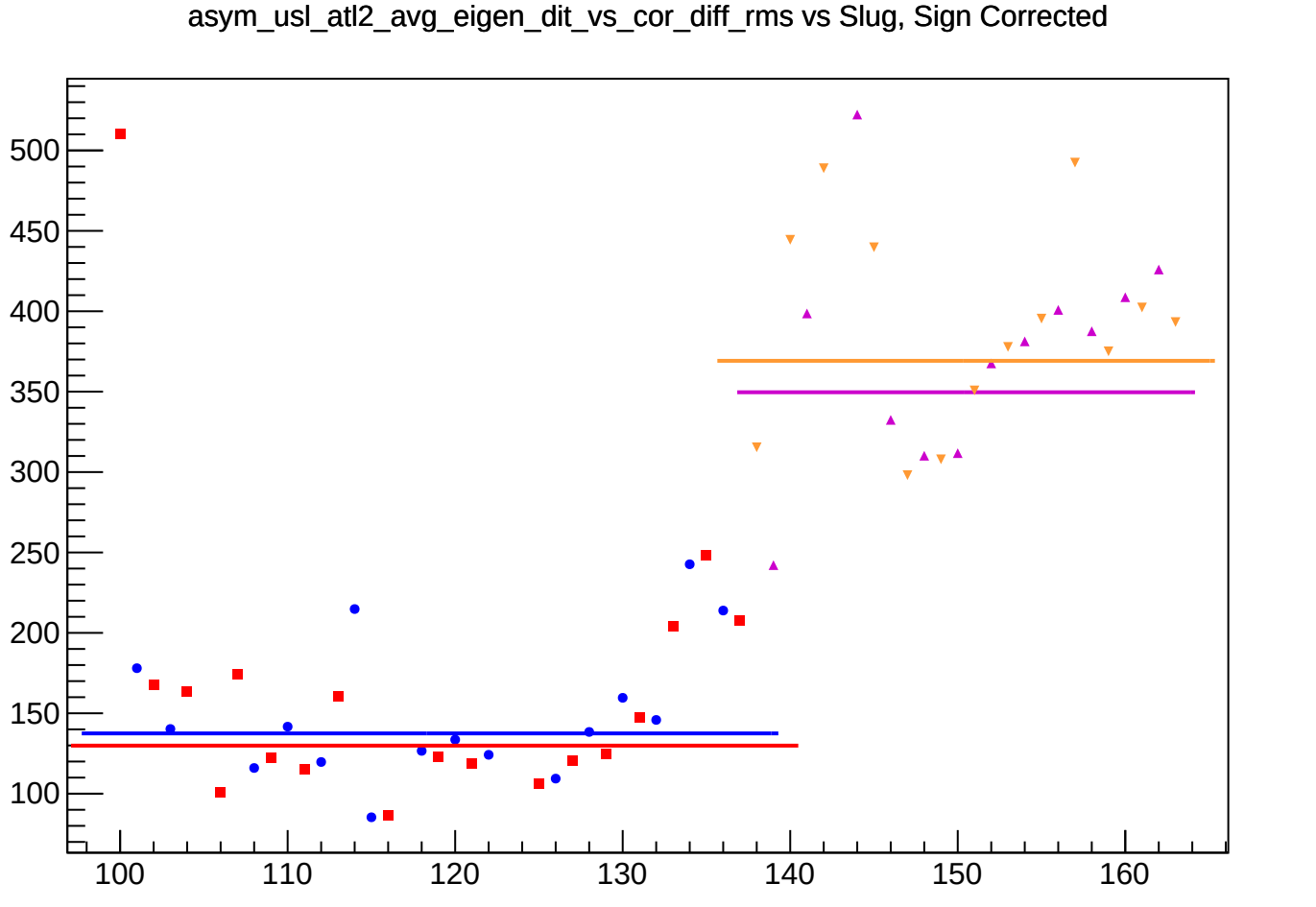
Left: -0.057+/-0.081 χ^2/NDF: 34.4/24

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:29.8/27

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.002+/-0.034 χ^2/NDF: 78.2/58



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 349.629+/-0.079 χ^2/NDF:728580.4/11

Left: 358.952+/-0.057 χ^2/NDF: 1227596.7/24

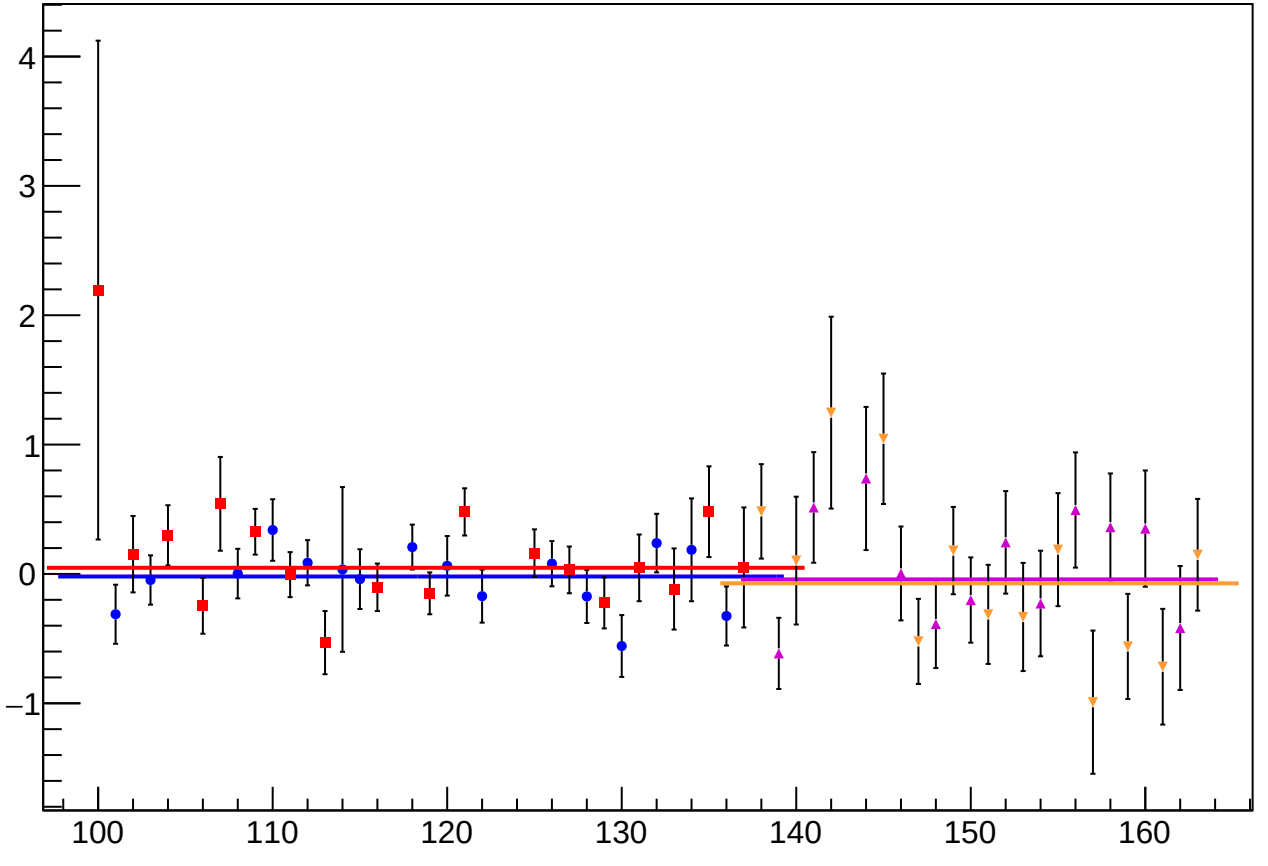
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 177.819+/-0.034 χ^2/NDF:7244487.7/27

Out: 169.877+/-0.034 χ^2/NDF:8249117.7/30

All: 173.776+/-0.024 χ^2/NDF: 15520585.4/58

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: -0.072+/-0.117 χ^2/NDF:20.6/12

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.042+/-0.112 χ^2/NDF:13.8/11

Left: -0.057+/-0.081 χ^2/NDF: 34.4/24

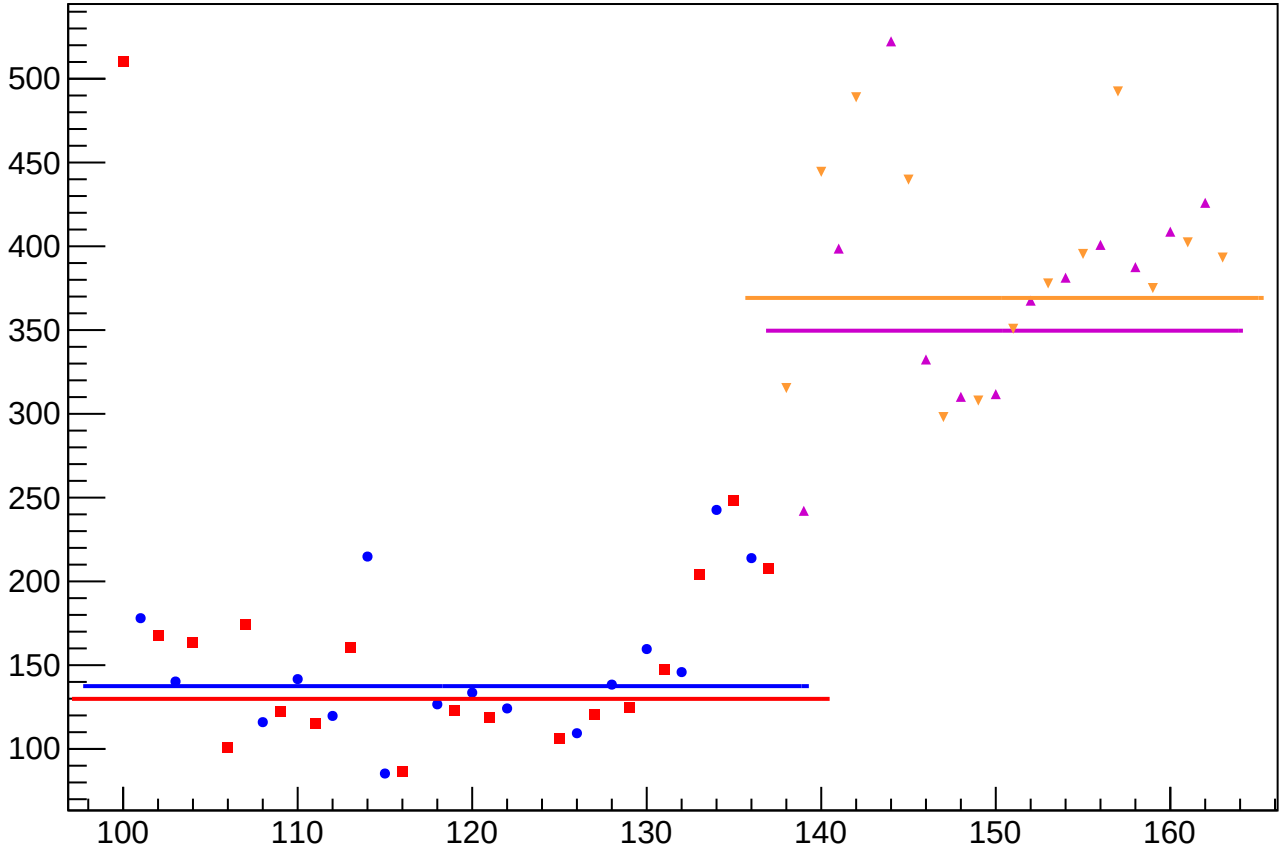
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.024+/-0.049 χ^2/NDF:29.8/27

Out: 0.028+/-0.048 χ^2/NDF:47.8/30

All: 0.002+/-0.034 χ^2/NDF: 78.2/58

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 369.180+/-0.083 χ^2/NDF:469895.8/12

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 349.629+/-0.079 χ^2/NDF:728580.4/11

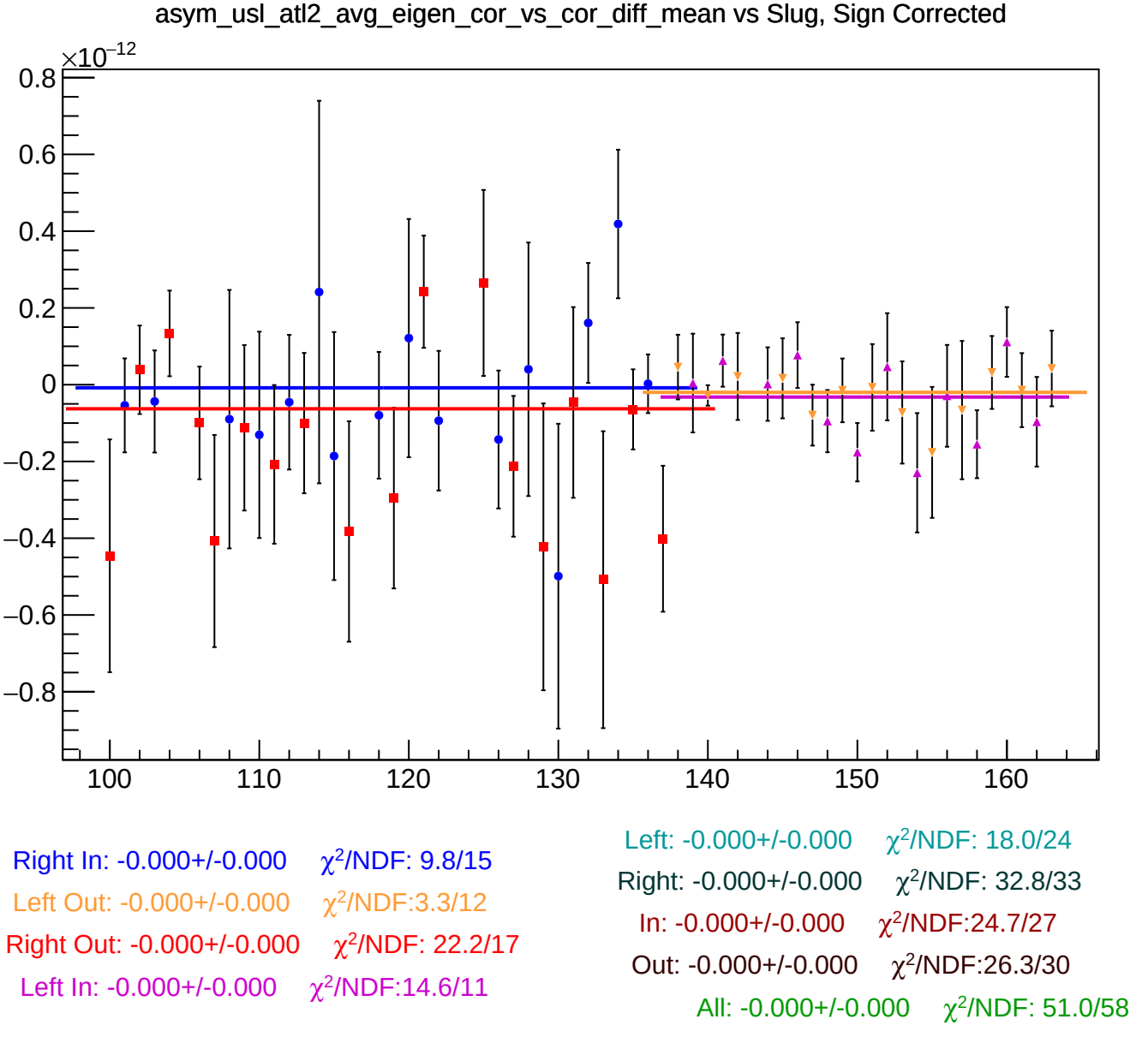
Left: 358.952+/-0.057 χ^2/NDF: 1227596.7/24

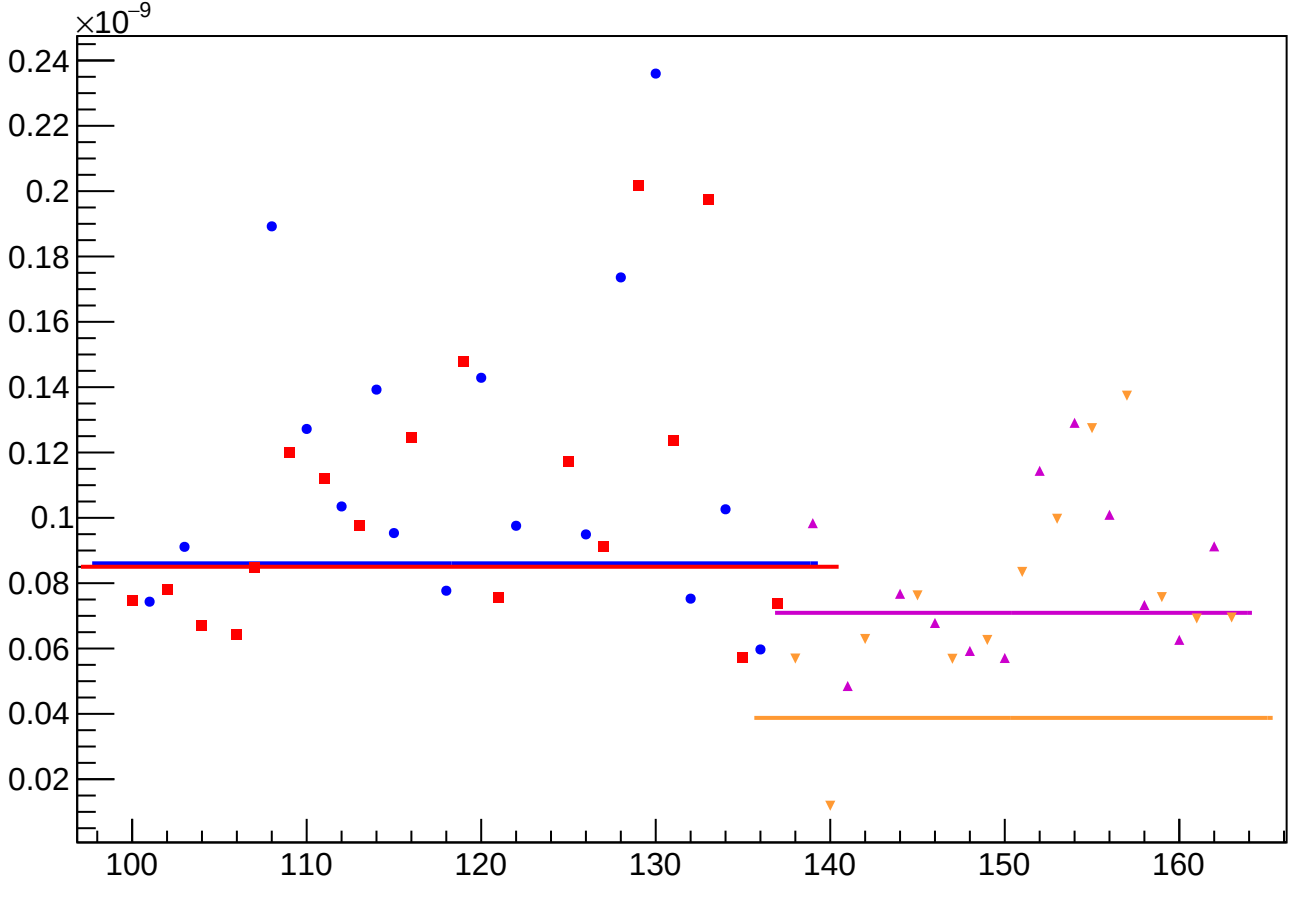
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 177.819+/-0.034 χ^2/NDF:7244487.7/27

Out: 169.877+/-0.034 χ^2/NDF:8249117.7/30

All: 173.776+/-0.024 χ^2/NDF: 15520585.4/58


asym_usl_atl2_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
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:3.3/12
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.6/11
Left: -0.000+/-0.000 χ²/NDF: 18.0/24
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:24.7/27
Out: -0.000+/-0.000 χ²/NDF:26.3/30
All: -0.000+/-0.000 χ²/NDF: 51.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5310937.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1080492.2/11

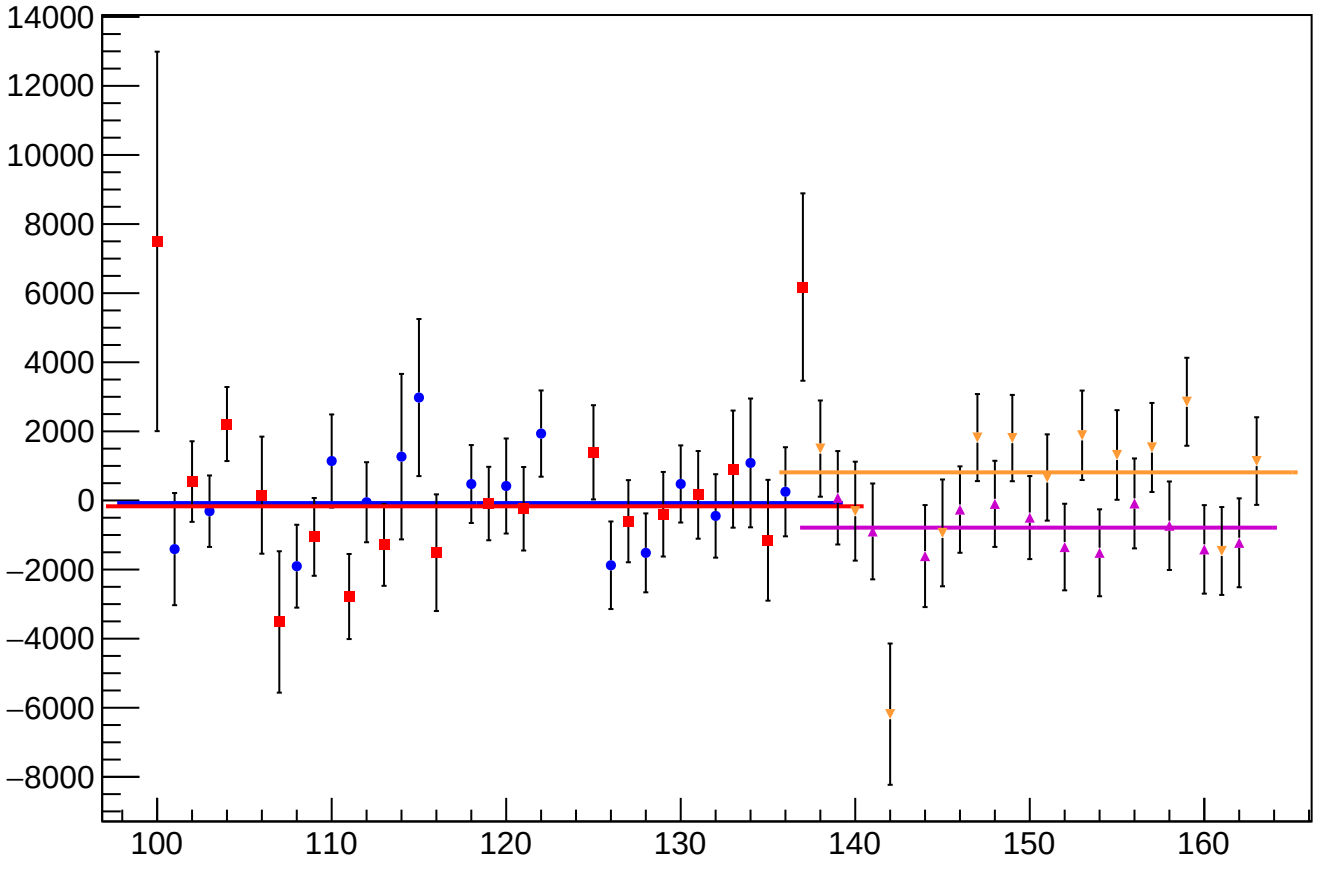
Left: 0.000+/-0.000 χ^2/NDF: 8186911.0/24

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:2331741.0/27

Out: 0.000+/-0.000 χ^2/NDF:8298296.6/30

All: 0.000+/-0.000 χ^2/NDF: 12479355.3/58



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 813.828+/-372.073 χ^2/NDF:22.1/12

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -786.927+/-373.119 χ^2/NDF:2.4/11

Left: 15.698+/-263.464 χ^2/NDF: 33.8/24

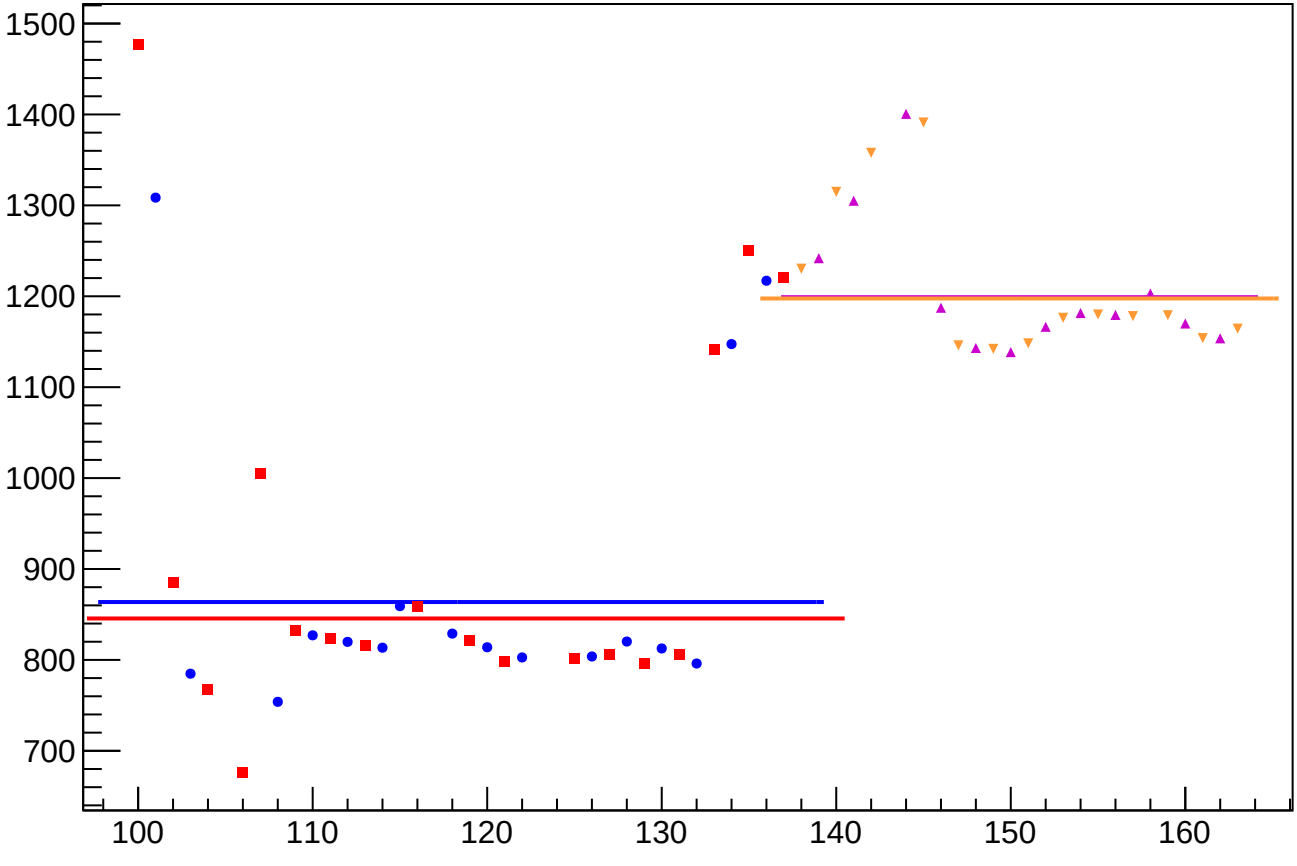
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -383.976+/-245.593 χ^2/NDF:17.9/27

Out: 251.420+/-243.407 χ^2/NDF:50.5/30

All: -63.437+/-172.882 χ^2/NDF: 71.7/58

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1199.025+/-0.264 χ^2/NDF:65977.0/11

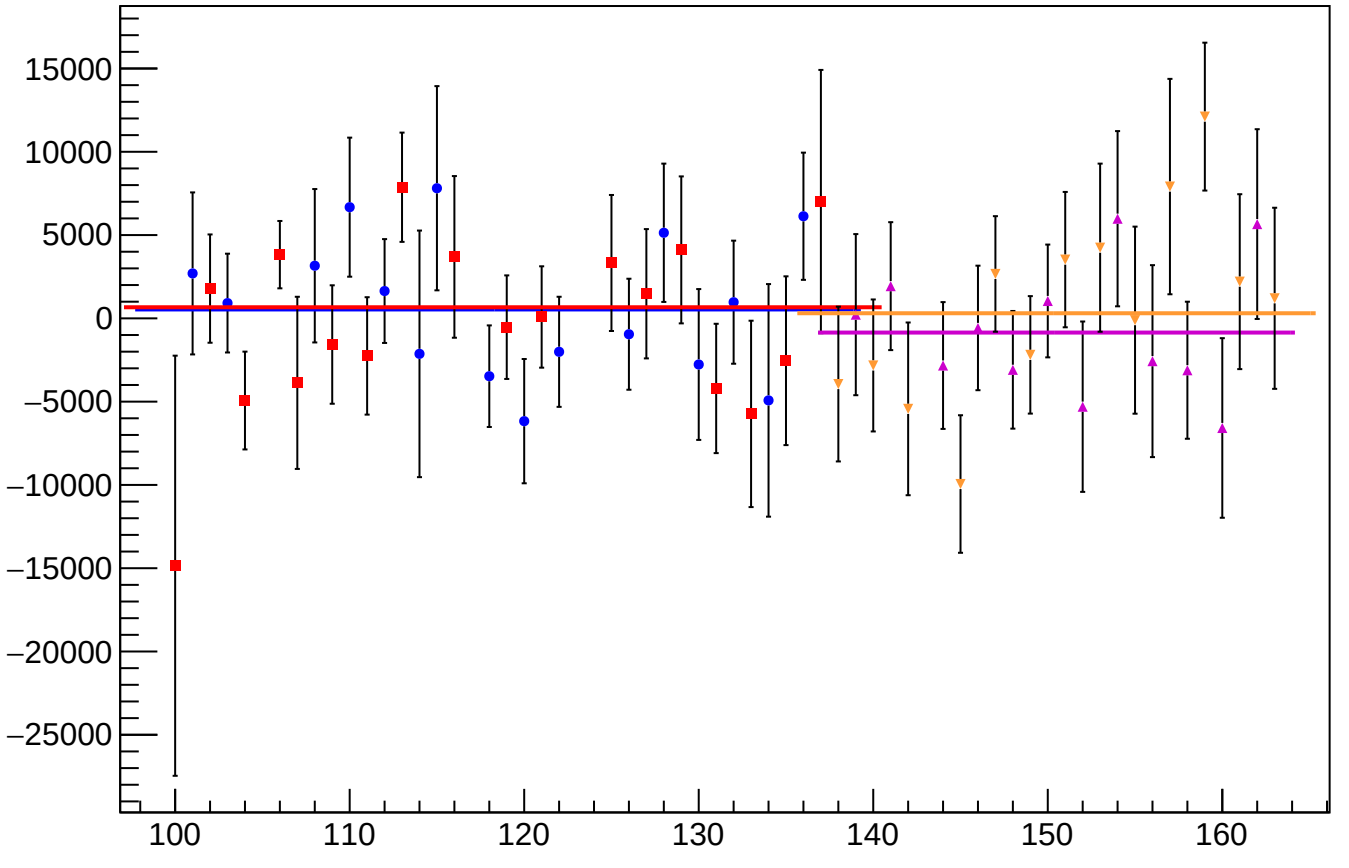
Left: 1198.296+/-0.186 χ^2/NDF: 140080.2/24

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1008.957+/-0.174 χ^2/NDF:1389191.2/27

Out: 994.081+/-0.171 χ^2/NDF:1416651.6/30

All: 1001.399+/-0.122 χ^2/NDF: 2809570.8/58



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.393 χ^2/NDF:19.7/12

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -853.253+/-1242.893 χ^2/NDF:6.8/11

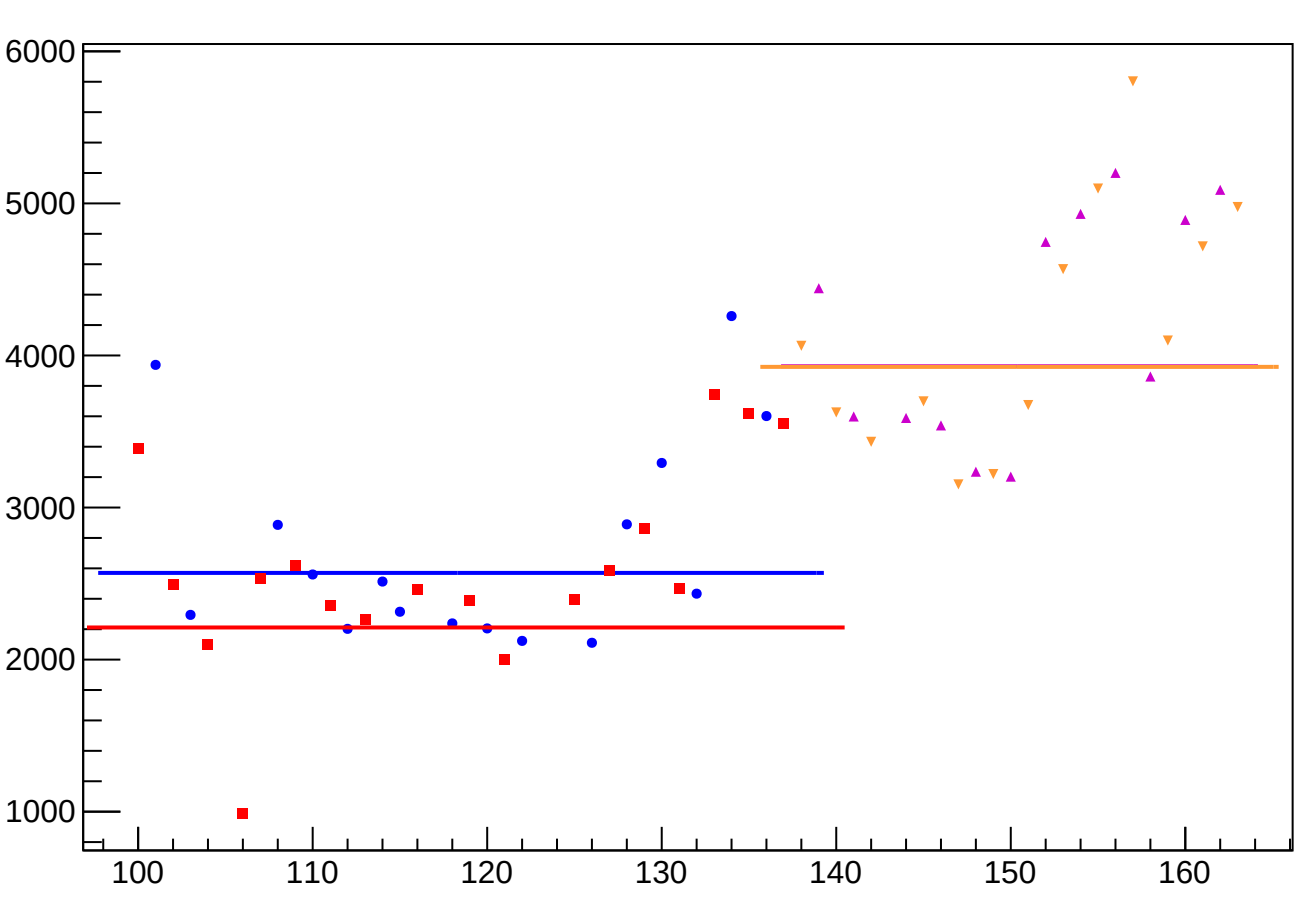
Left: -273.963+/-879.388 χ^2/NDF: 26.9/24

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 1.625+/-770.180 χ^2/NDF:22.3/27

Out: 548.880+/-710.244 χ^2/NDF:39.7/30

All: 297.372+/-522.123 χ^2/NDF: 62.2/58



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3925.077+/-0.880 χ^2/NDF:635855.0/12

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3929.162+/-0.879 χ^2/NDF:612377.4/11

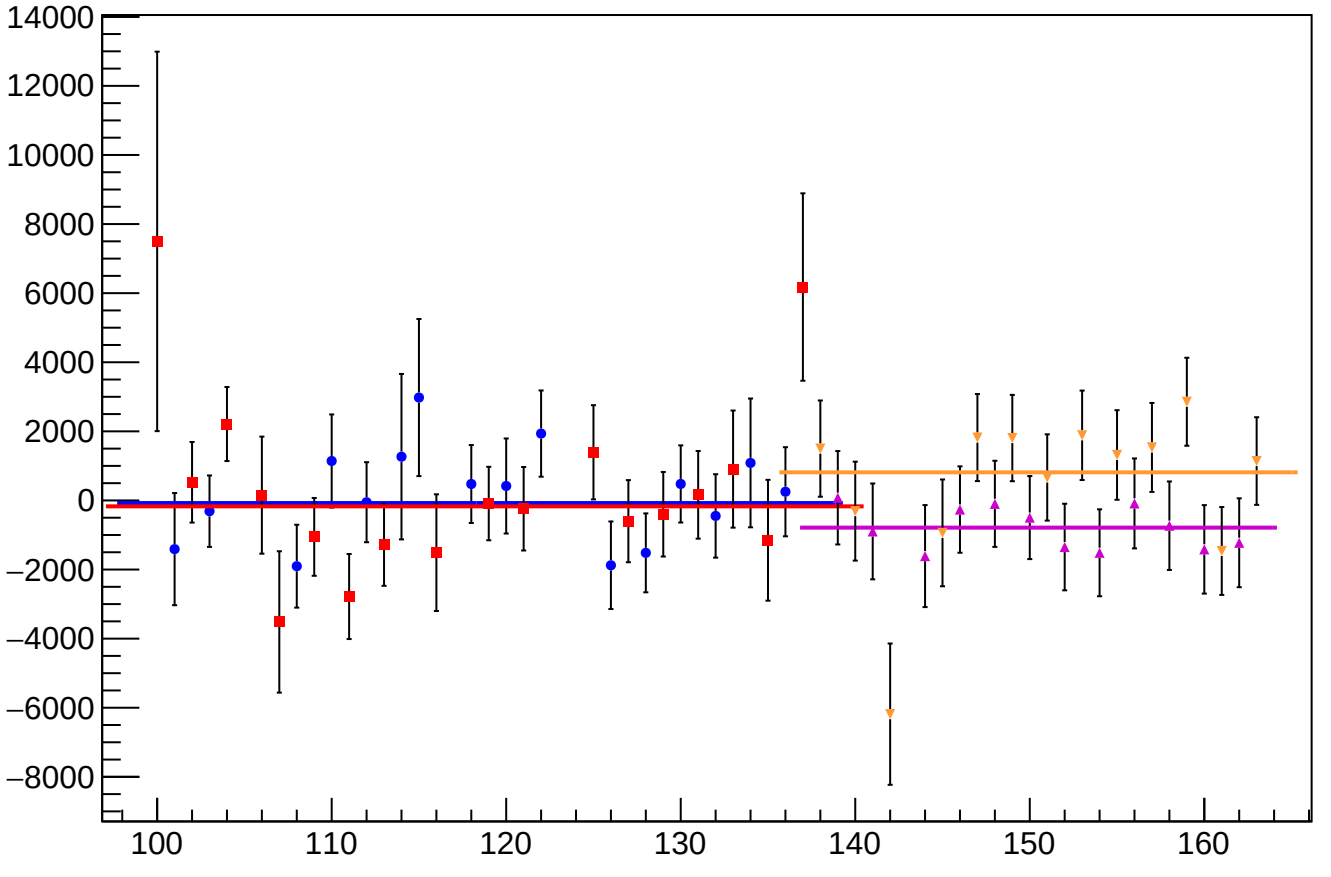
Left: 3927.122+/-0.622 χ^2/NDF: 1248243.1/24

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3091.985+/-0.545 χ^2/NDF:2747875.4/27

Out: 2769.563+/-0.502 χ^2/NDF:4457658.9/30

All: 2917.742+/-0.369 χ^2/NDF: 7394954.0/58



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -786.921+/-373.119 χ^2/NDF:2.5/11

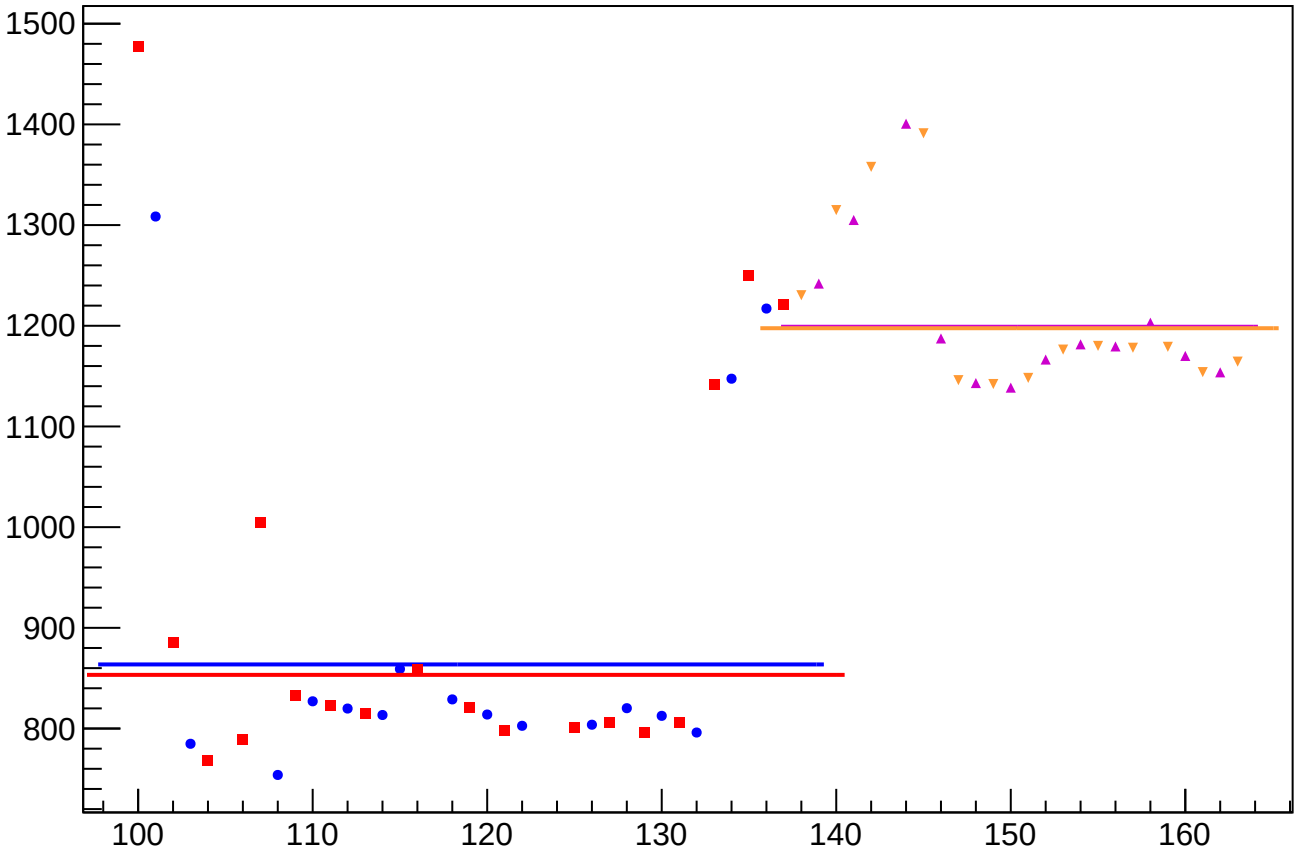
Left: 15.682+/-263.464 χ^2/NDF: 33.8/24

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -384.017+/-245.593 χ^2/NDF:17.9/27

Out: 250.475+/-243.409 χ^2/NDF:50.5/30

All: -63.938+/-172.883 χ^2/NDF: 71.7/58



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1199.025+/-0.264 χ^2/NDF:65977.0/11

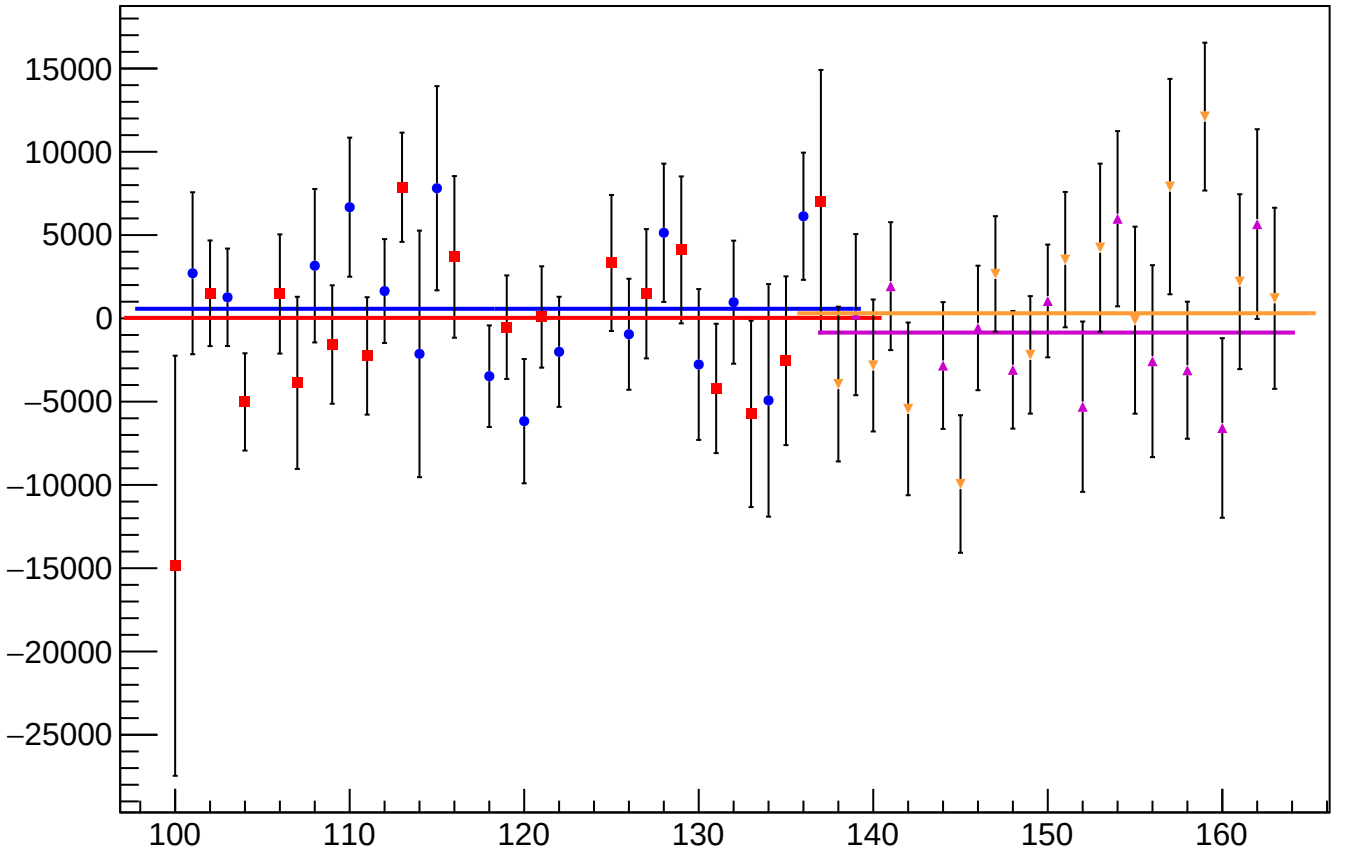
Left: 1198.296+/-0.186 χ^2/NDF: 140080.2/24

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1008.957+/-0.174 χ^2/NDF:1389191.3/27

Out: 999.761+/-0.172 χ^2/NDF:1333312.8/30

All: 1004.304+/-0.122 χ^2/NDF: 2723922.7/58



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: 306.725+/-1244.392 χ^2/NDF:19.7/12

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -853.290+/-1242.891 χ^2/NDF:6.8/11

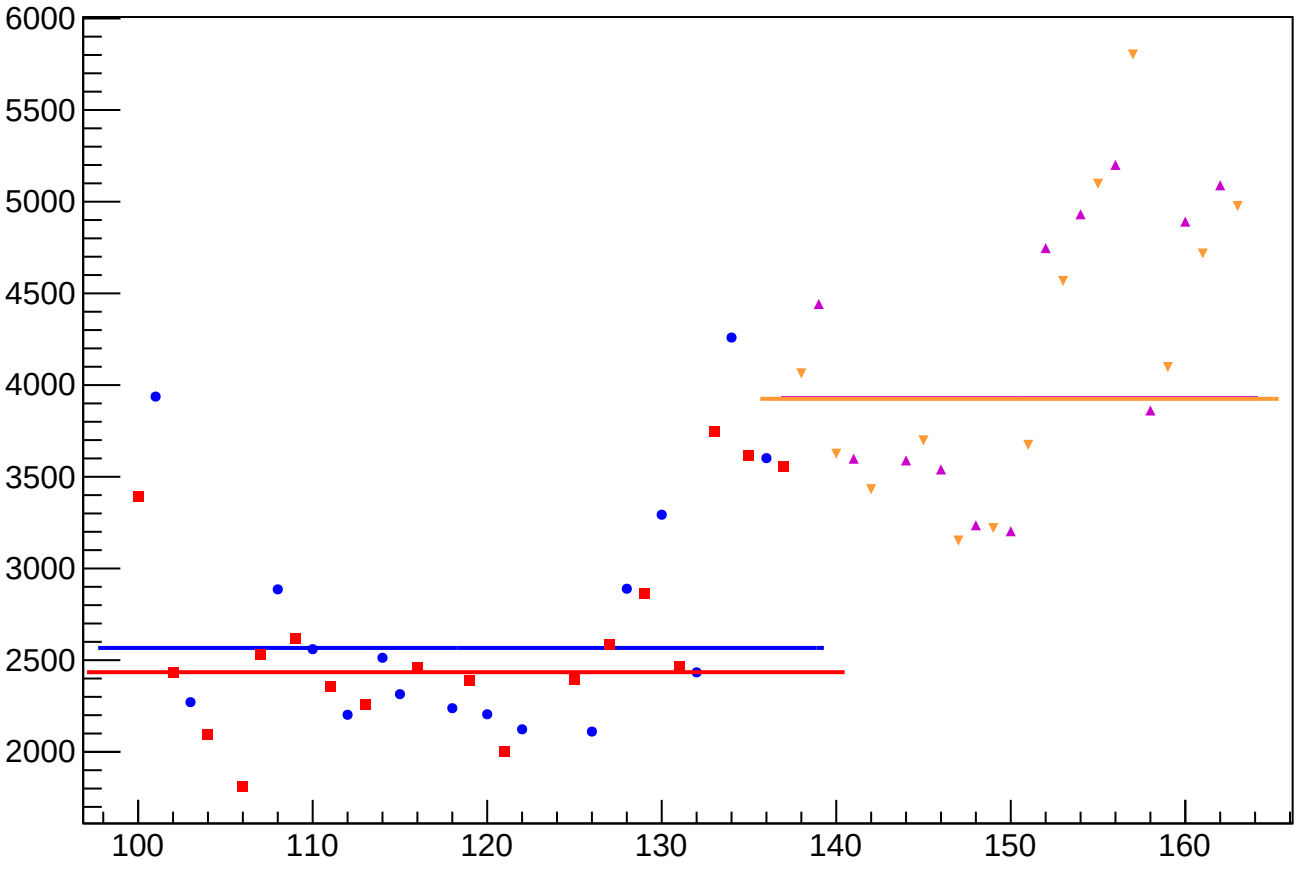
Left: -273.982+/-879.387 χ^2/NDF: 26.9/24

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 27.519+/-769.486 χ^2/NDF:22.4/27

Out: 127.188+/-740.874 χ^2/NDF:36.9/30

All: 79.241+/-533.706 χ^2/NDF: 59.3/58



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3929.158+/-0.879 χ^2/NDF:612379.7/11

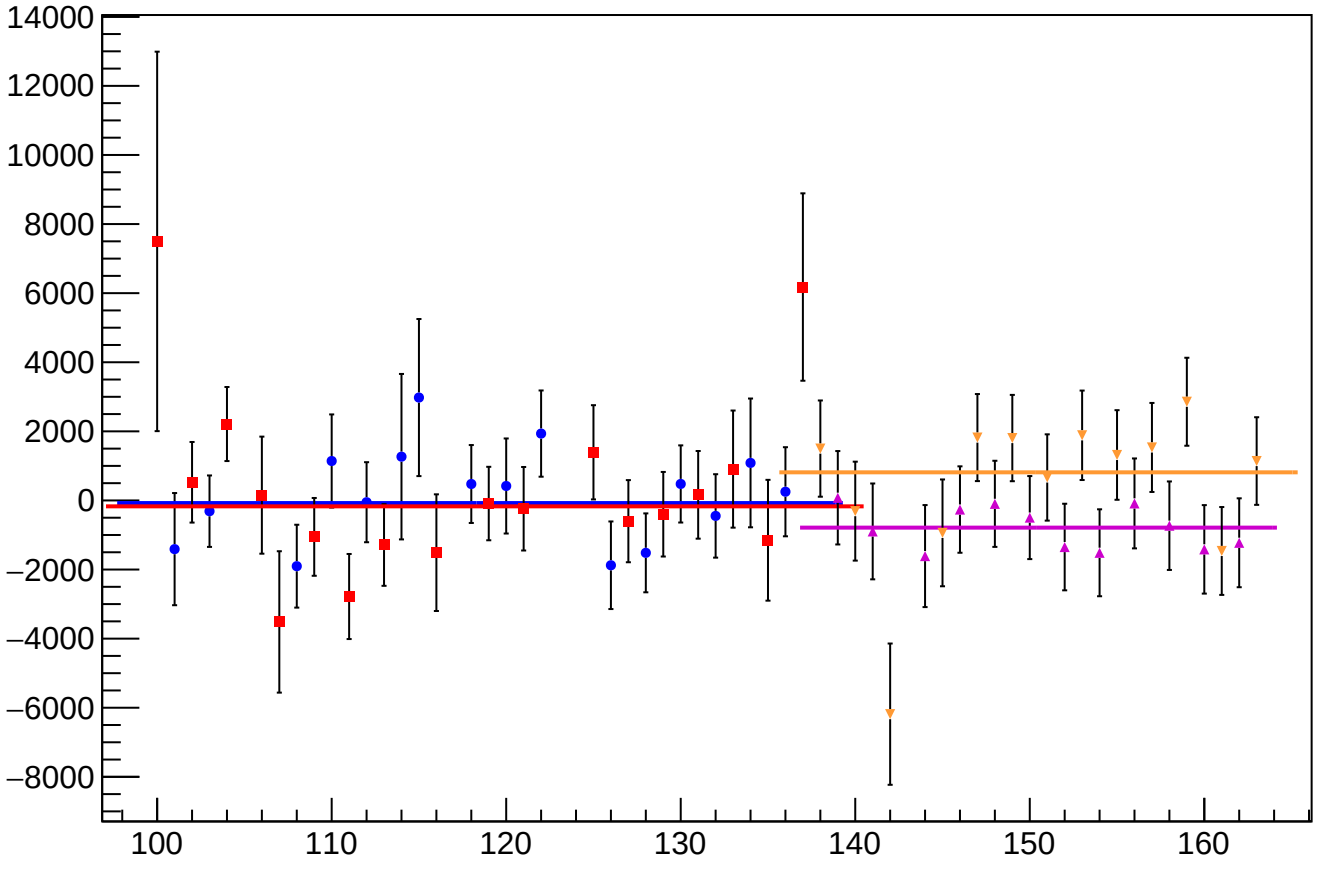
Left: 3927.119+/-0.622 χ^2/NDF: 1248241.6/24

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3088.945+/-0.544 χ^2/NDF:2760310.4/27

Out: 2962.813+/-0.524 χ^2/NDF:2922535.3/30

All: 3023.491+/-0.377 χ^2/NDF: 5710732.2/58



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 813.789+/-372.073 χ^2/NDF:22.1/12

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -786.921+/-373.119 χ^2/NDF:2.5/11

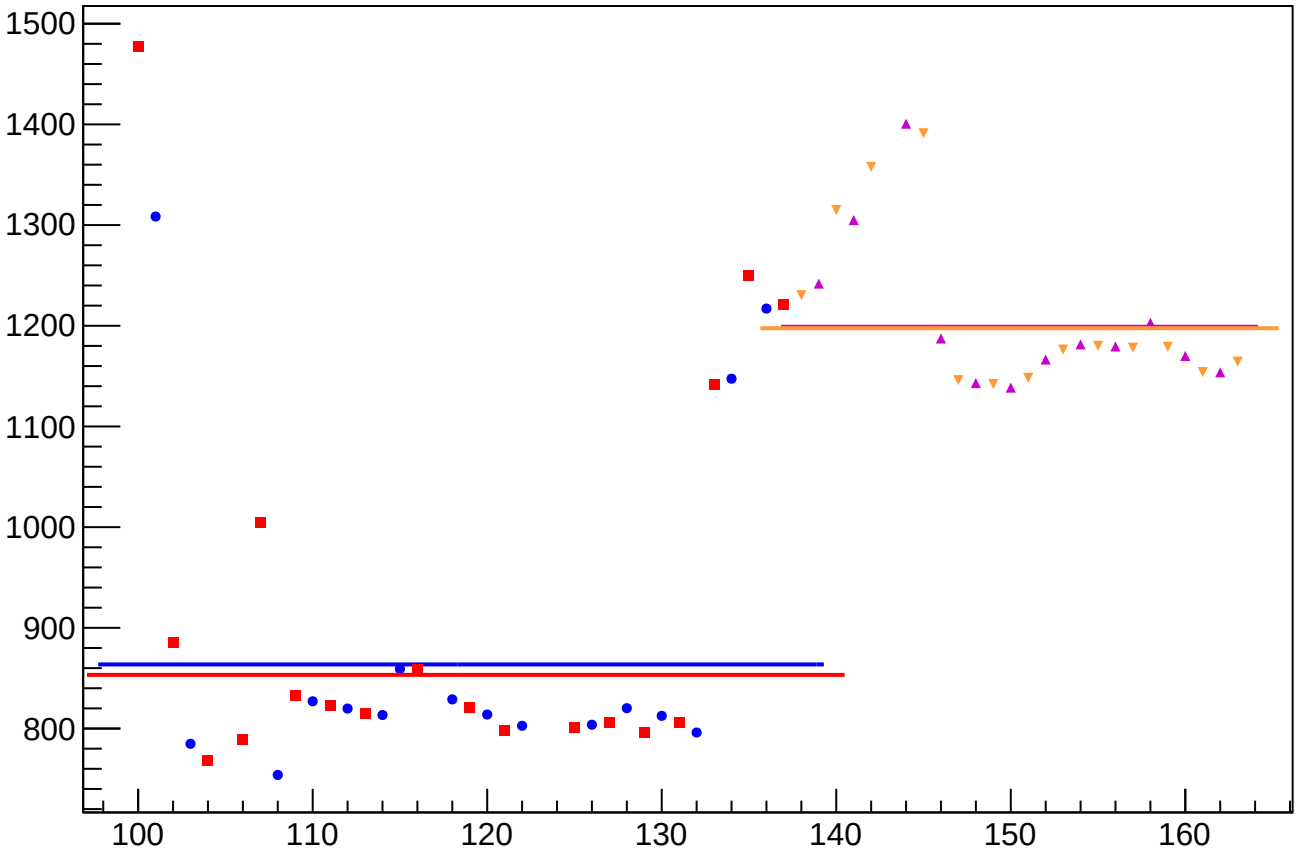
Left: 15.682+/-263.464 χ^2/NDF: 33.8/24

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -384.017+/-245.593 χ^2/NDF:17.9/27

Out: 250.475+/-243.409 χ^2/NDF:50.5/30

All: -63.938+/-172.883 χ^2/NDF: 71.7/58



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1197.571+/-0.263 χ^2/NDF:74088.0/12

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1199.025+/-0.264 χ^2/NDF:65977.0/11

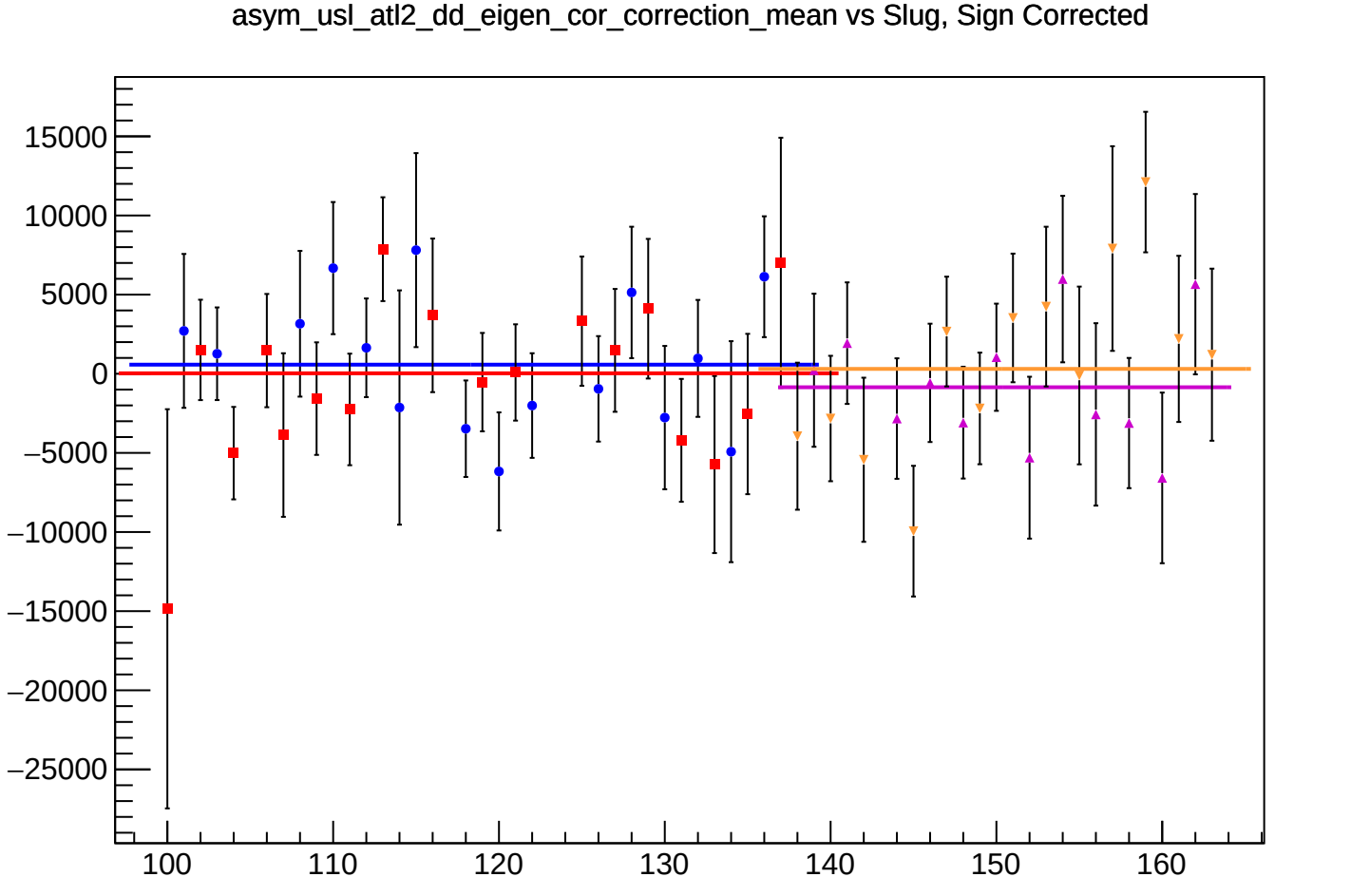
Left: 1198.296+/-0.186 χ^2/NDF: 140080.2/24

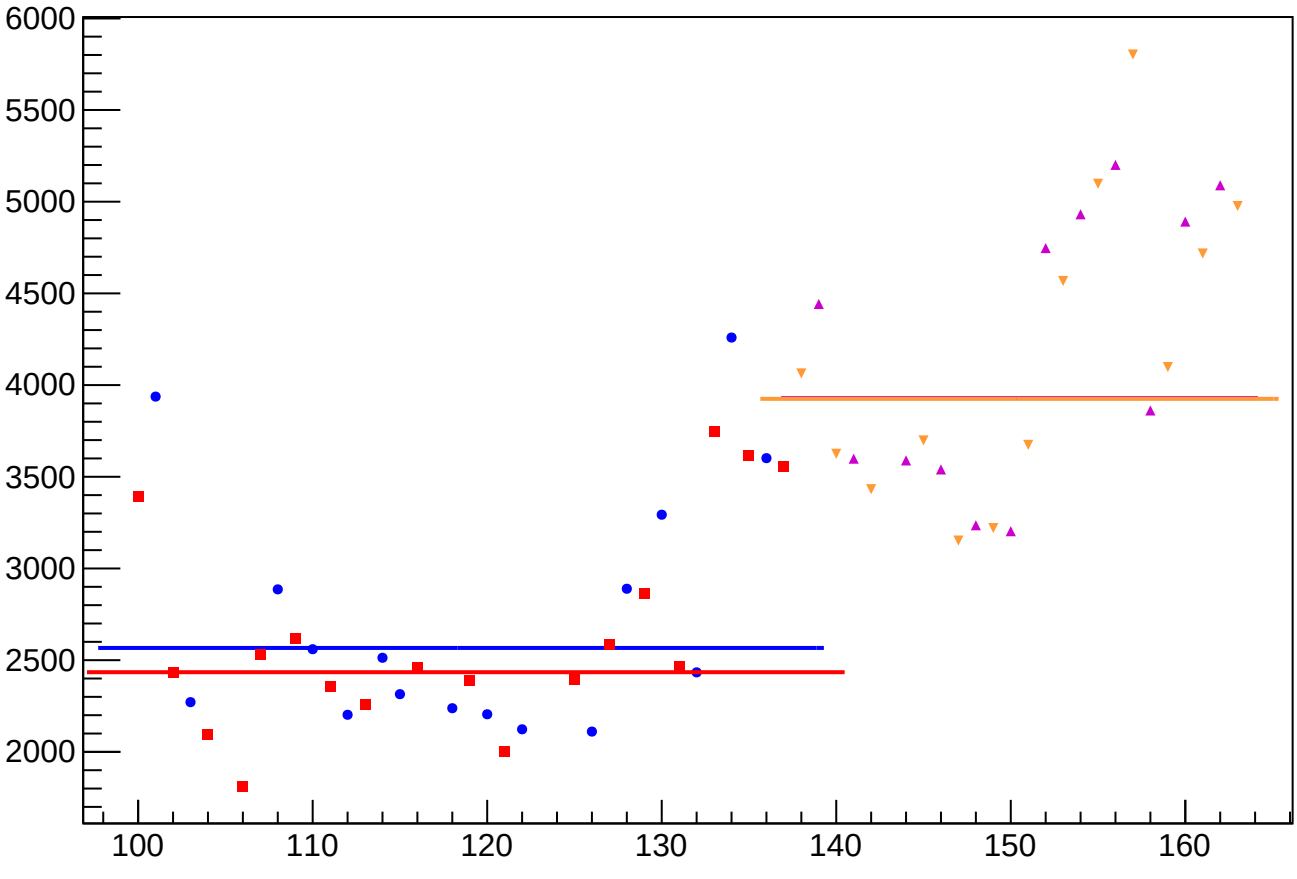
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1008.957+/-0.174 χ^2/NDF:1389191.3/27

Out: 999.761+/-0.172 χ^2/NDF:1333312.8/30

All: 1004.304+/-0.122 χ^2/NDF: 2723922.7/58


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: 306.725+/-1244.392 χ²/NDF:19.7/12
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -853.290+/-1242.891 χ²/NDF:6.8/11
Left: -273.982+/-879.387 χ²/NDF: 26.9/24
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 27.519+/-769.486 χ²/NDF:22.4/27
Out: 127.188+/-740.874 χ²/NDF:36.9/30
All: 79.241+/-533.706 χ²/NDF: 59.3/58



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3925.075+/-0.880 χ^2/NDF:635851.2/12

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3929.158+/-0.879 χ^2/NDF:612379.7/11

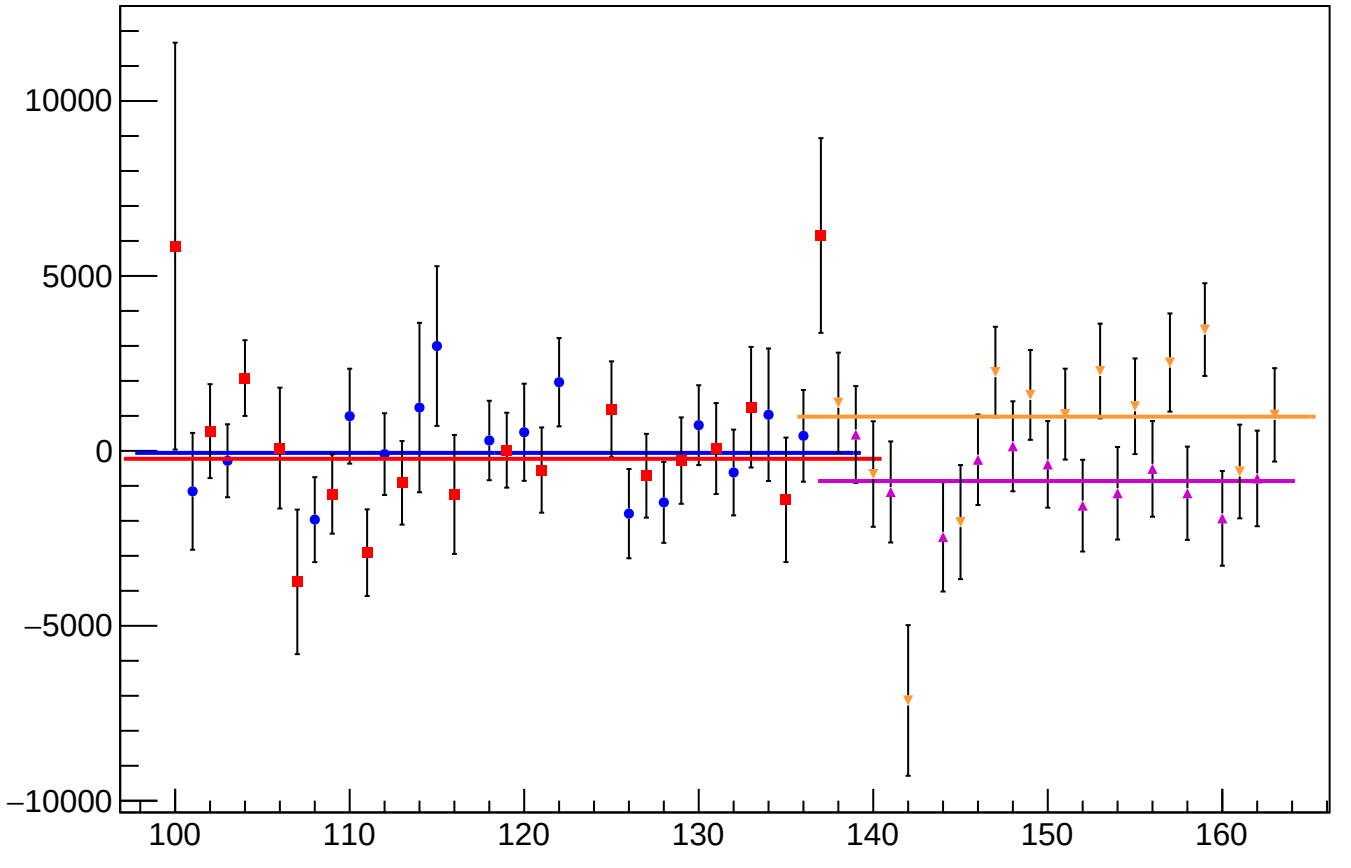
Left: 3927.119+/-0.622 χ^2/NDF: 1248241.6/24

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3088.945+/-0.544 χ^2/NDF:2760310.4/27

Out: 2962.813+/-0.524 χ^2/NDF:2922535.3/30

All: 3023.491+/-0.377 χ^2/NDF: 5710732.2/58



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.219+/-389.453 χ^2/NDF:27.2/12

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -861.614+/-389.338 χ^2/NDF:4.1/11

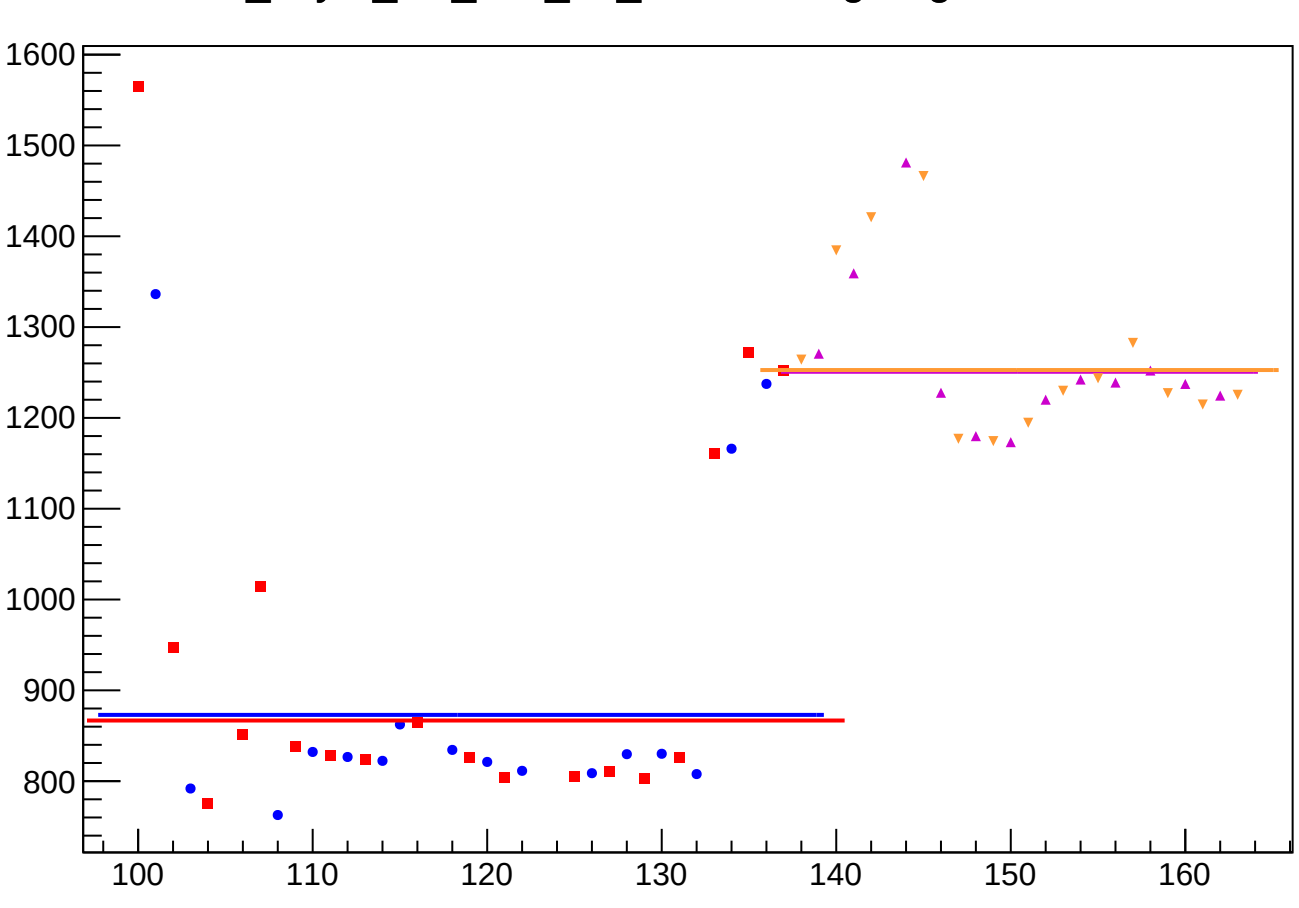
Left: 58.031+/-275.344 χ^2/NDF: 42.4/24

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -393.608+/-251.778 χ^2/NDF:19.6/27

Out: 273.793+/-250.909 χ^2/NDF:55.7/30

All: -58.754+/-177.726 χ^2/NDF: 78.8/58



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1252.699+/-0.275 χ^2/NDF:84952.8/12

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1250.801+/-0.275 χ^2/NDF:72056.8/11

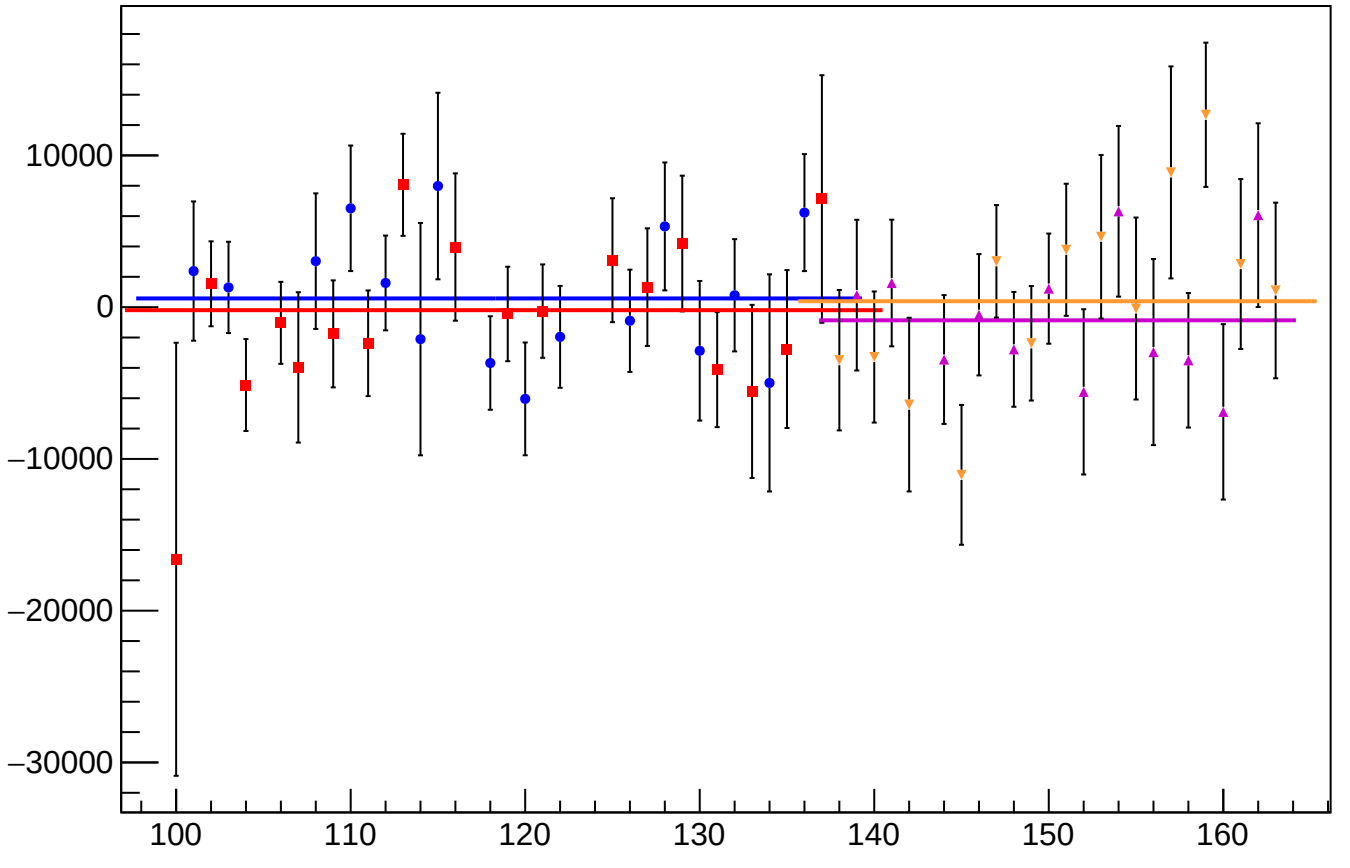
Left: 1251.750+/-0.195 χ^2/NDF: 157033.4/24

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1030.979+/-0.178 χ^2/NDF:1584990.2/27

Out: 1026.774+/-0.177 χ^2/NDF:1525052.3/30

All: 1028.868+/-0.126 χ^2/NDF: 3110322.6/58



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: 392.171+/-1332.993 χ^2/NDF:19.7/12

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -866.555+/-1333.890 χ^2/NDF:6.7/11

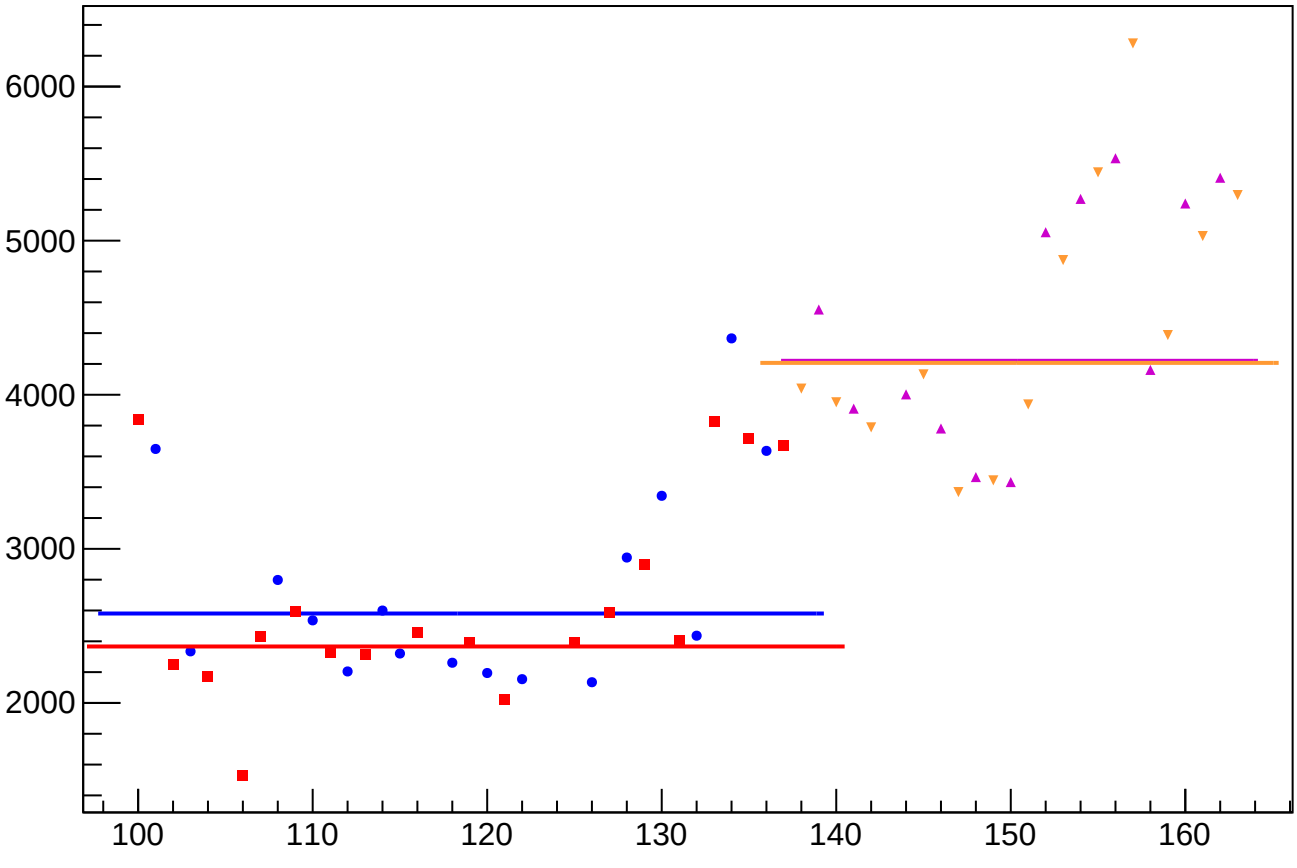
Left: -236.768+/-942.885 χ^2/NDF: 26.8/24

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 66.562+/-792.316 χ^2/NDF:22.1/27

Out: -14.833+/-742.547 χ^2/NDF:37.0/30

All: 23.228+/-541.801 χ^2/NDF: 59.1/58



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4206.832+/-0.943 χ^2/NDF:621559.0/12

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4220.240+/-0.943 χ^2/NDF:571628.5/11

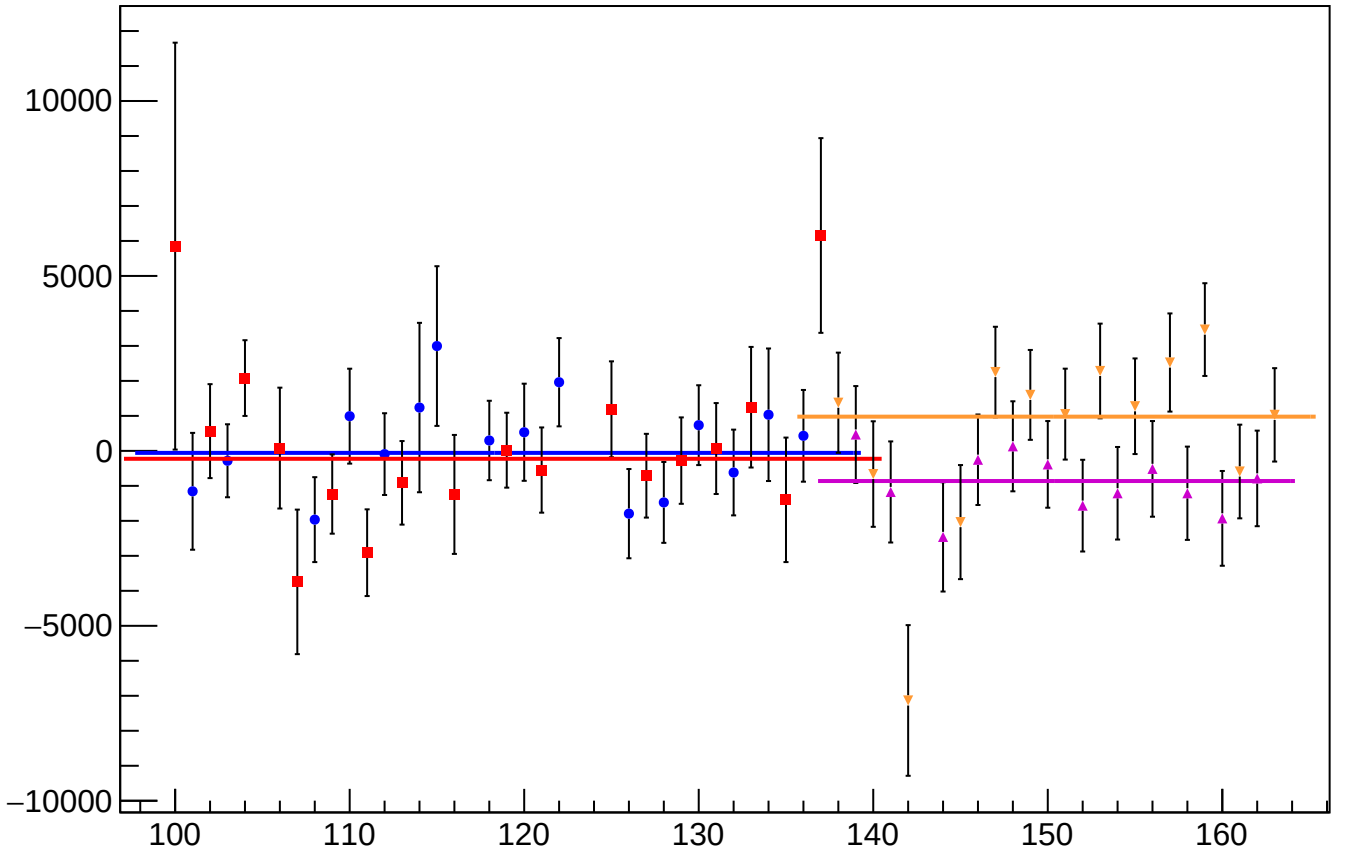
Left: 4213.532+/-0.667 χ^2/NDF: 1193288.7/24

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3158.958+/-0.560 χ^2/NDF:3145053.1/27

Out: 2937.509+/-0.525 χ^2/NDF:3862697.2/30

All: 3041.060+/-0.383 χ^2/NDF: 7090929.2/58



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 978.221+/-389.453 χ^2/NDF:27.2/12

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -861.613+/-389.338 χ^2/NDF:4.1/11

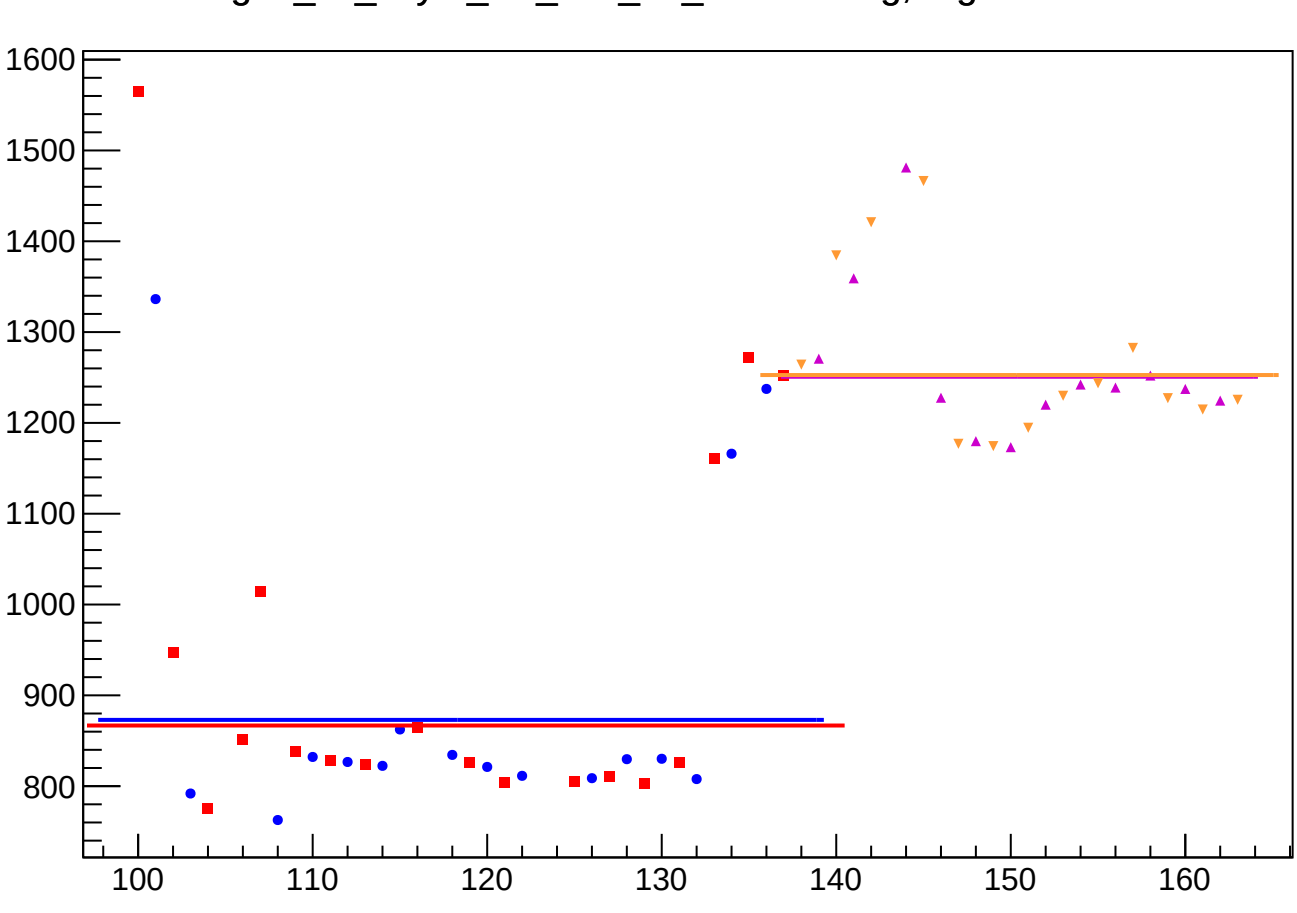
Left: 58.032+/-275.344 χ^2/NDF: 42.4/24

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -393.609+/-251.778 χ^2/NDF:19.6/27

Out: 273.791+/-250.909 χ^2/NDF:55.7/30

All: -58.756+/-177.726 χ^2/NDF: 78.8/58



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1252.700+/-0.275 χ^2/NDF:84954.2/12

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1250.803+/-0.275 χ^2/NDF:72057.5/11

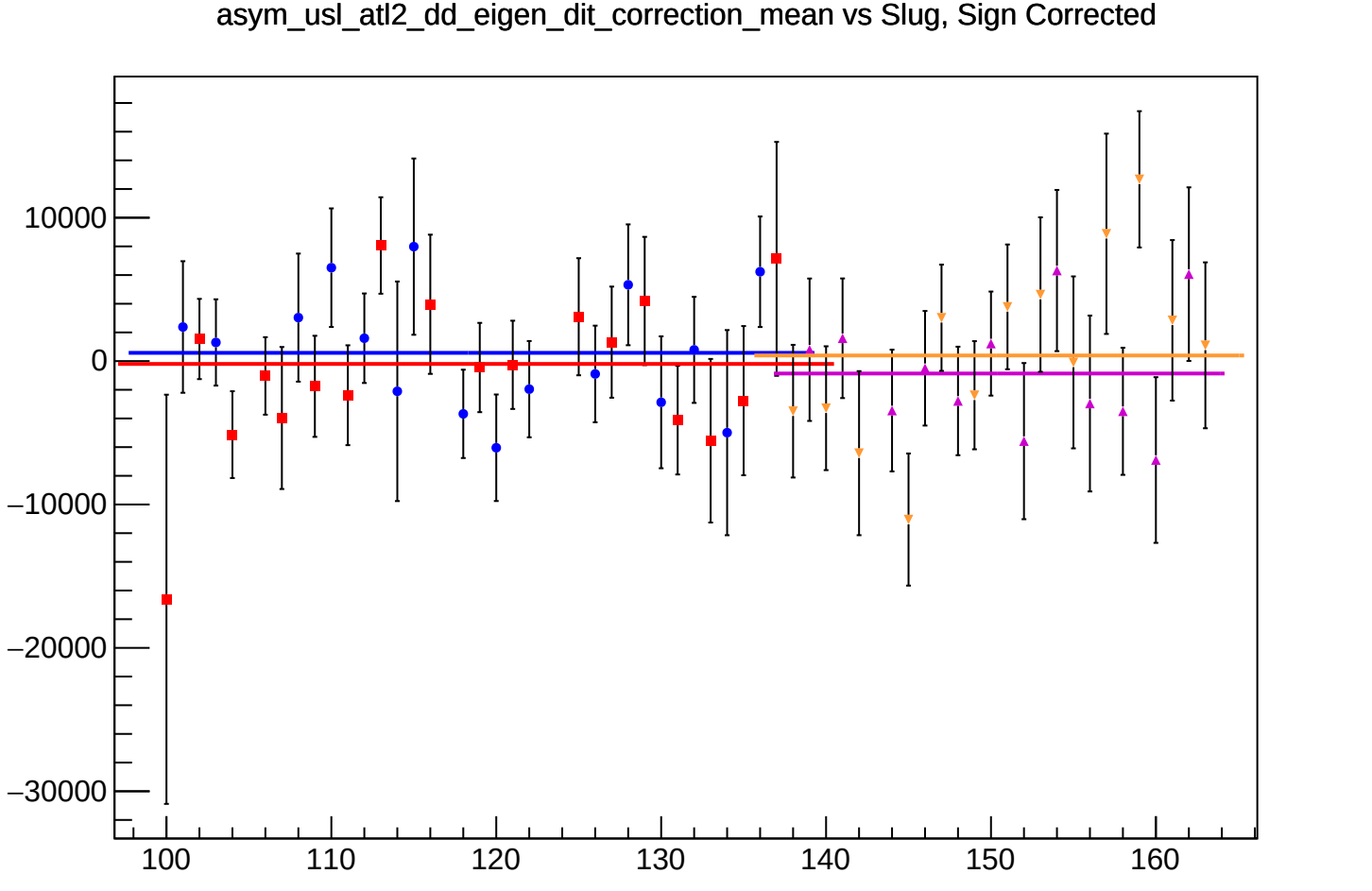
Left: 1251.751+/-0.195 χ^2/NDF: 157035.4/24

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1030.979+/-0.178 χ^2/NDF:1584996.7/27

Out: 1026.774+/-0.177 χ^2/NDF:1525060.6/30

All: 1028.868+/-0.126 χ^2/NDF: 3110337.4/58



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: 392.173+/-1332.994 χ^2/NDF:19.7/12

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -866.555+/-1333.892 χ^2/NDF:6.7/11

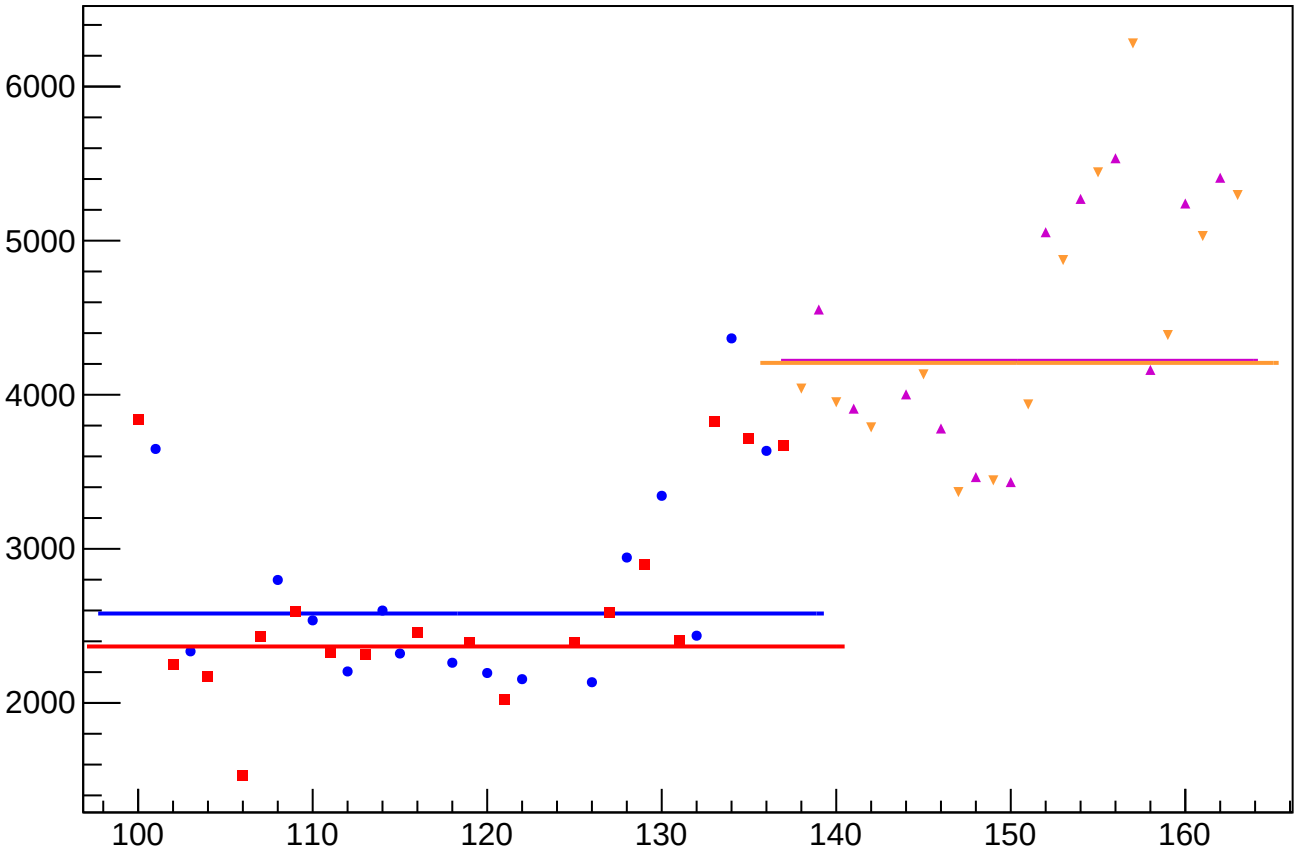
Left: -236.768+/-942.887 χ^2/NDF: 26.8/24

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 66.562+/-792.315 χ^2/NDF:22.1/27

Out: -14.835+/-742.546 χ^2/NDF:37.0/30

All: 23.227+/-541.800 χ^2/NDF: 59.1/58



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4206.838+/-0.943 χ^2/NDF:621561.7/12

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4220.246+/-0.943 χ^2/NDF:571632.0/11

Left: 4213.537+/-0.667 χ^2/NDF: 1193294.8/24

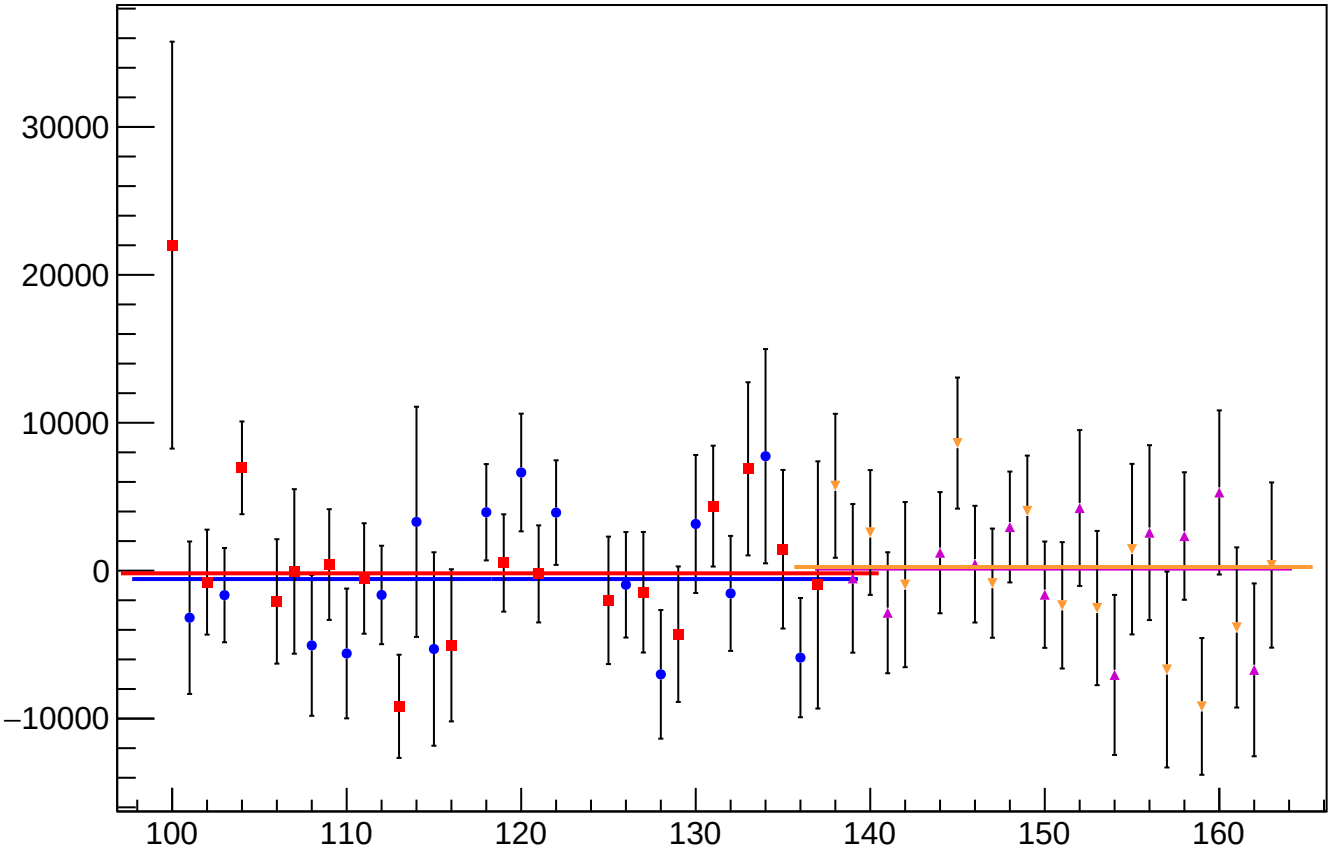
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3158.951+/-0.560 χ^2/NDF:3145096.8/27

Out: 2937.503+/-0.525 χ^2/NDF:3862738.6/30

All: 3041.054+/-0.383 χ^2/NDF: 7091014.0/58

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 248.127+/-1308.971 χ^2/NDF:12.8/12

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 139.325+/-1306.058 χ^2/NDF:6.5/11

Left: 193.605+/-924.551 χ^2/NDF: 19.3/24

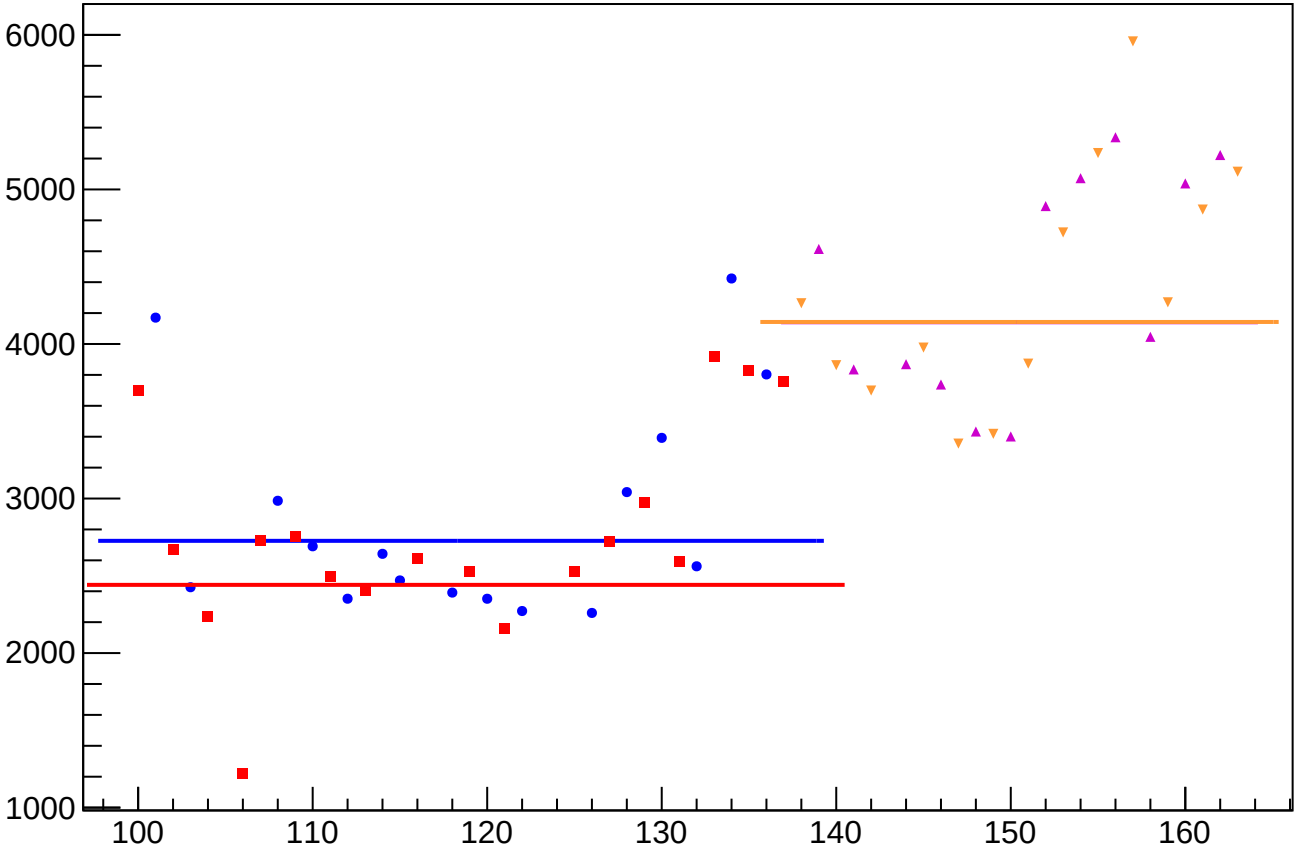
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -292.268+/-813.724 χ^2/NDF:22.9/27

Out: -23.637+/-788.782 χ^2/NDF:32.4/30

All: -153.772+/-566.366 χ^2/NDF: 55.3/58

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4142.539+/-0.926 χ^2/NDF:544262.1/12

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4140.607+/-0.924 χ^2/NDF:518360.1/11

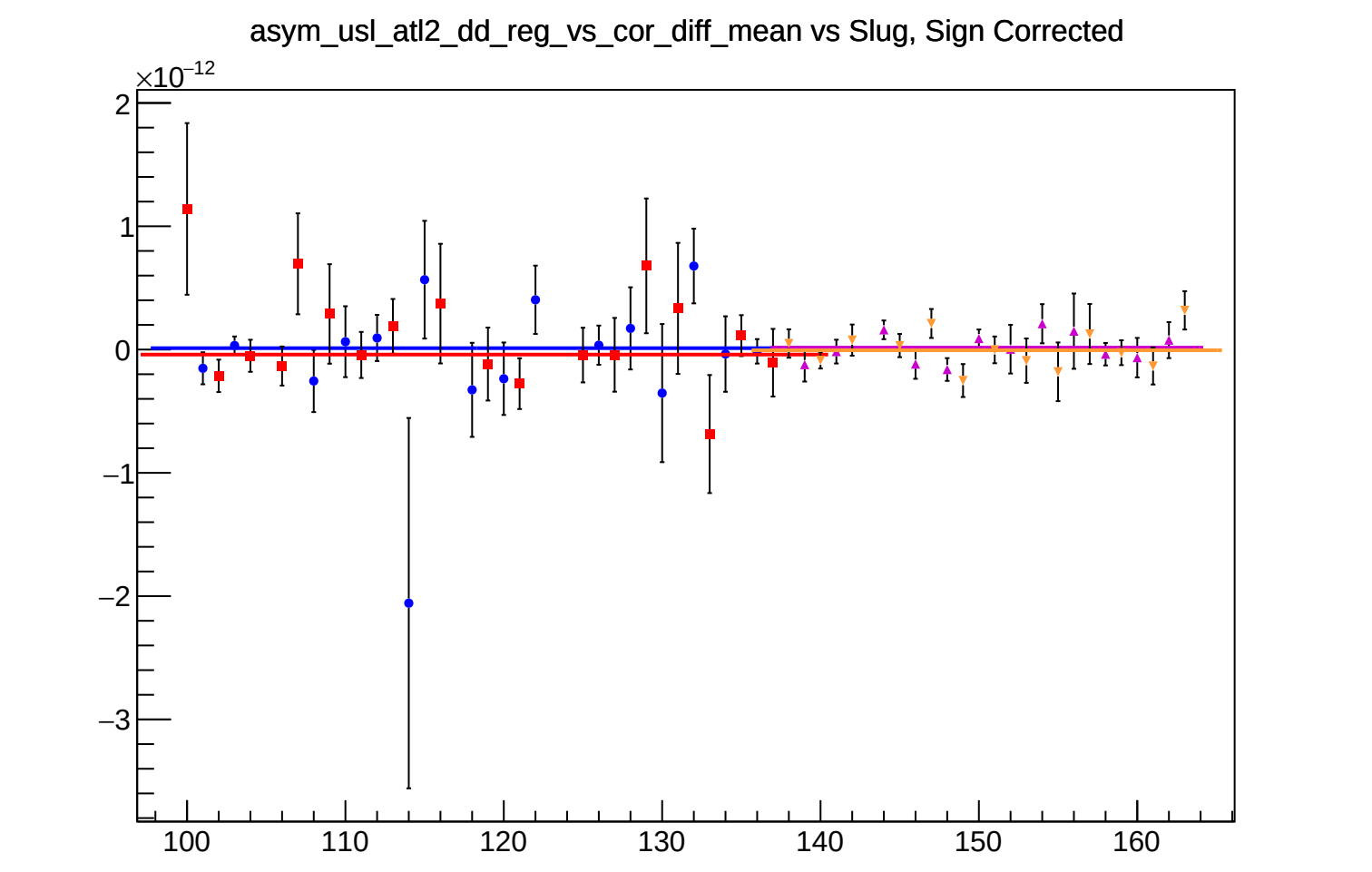
Left: 4141.571+/-0.654 χ^2/NDF: 1062624.5/24

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3275.258+/-0.575 χ^2/NDF:2576469.5/27

Out: 3022.763+/-0.541 χ^2/NDF:3658959.0/30

All: 3141.264+/-0.394 χ^2/NDF: 6337620.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:13.2/11

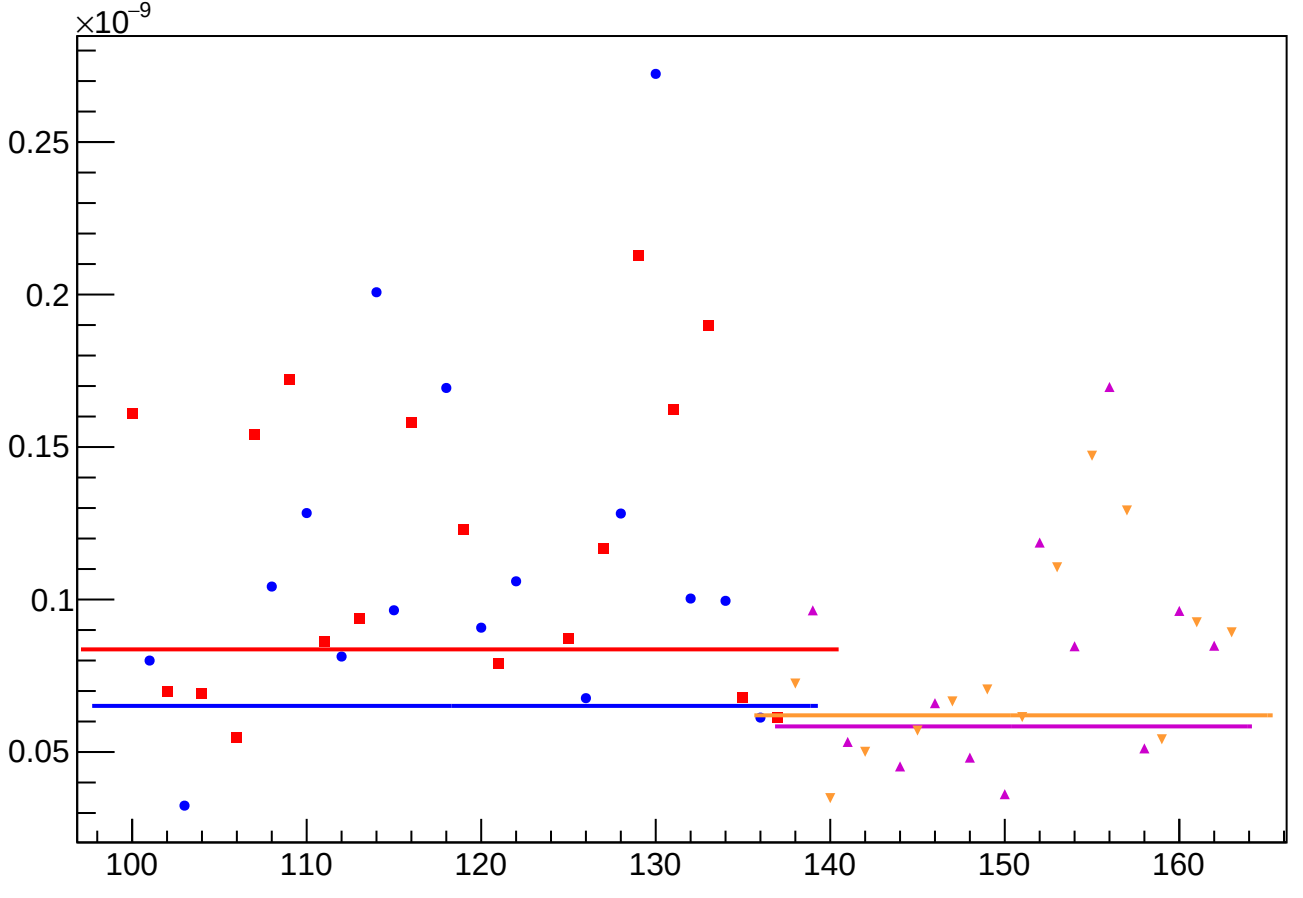
Left: 0.000+/-0.000 χ^2/NDF: 28.6/24

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:28.5/27

Out: -0.000+/-0.000 χ^2/NDF:32.5/30

All: 0.000+/-0.000 χ^2/NDF: 61.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1090490.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1133848.9/11

Left: 0.000+/-0.000 χ^2/NDF: 2237060.0/24

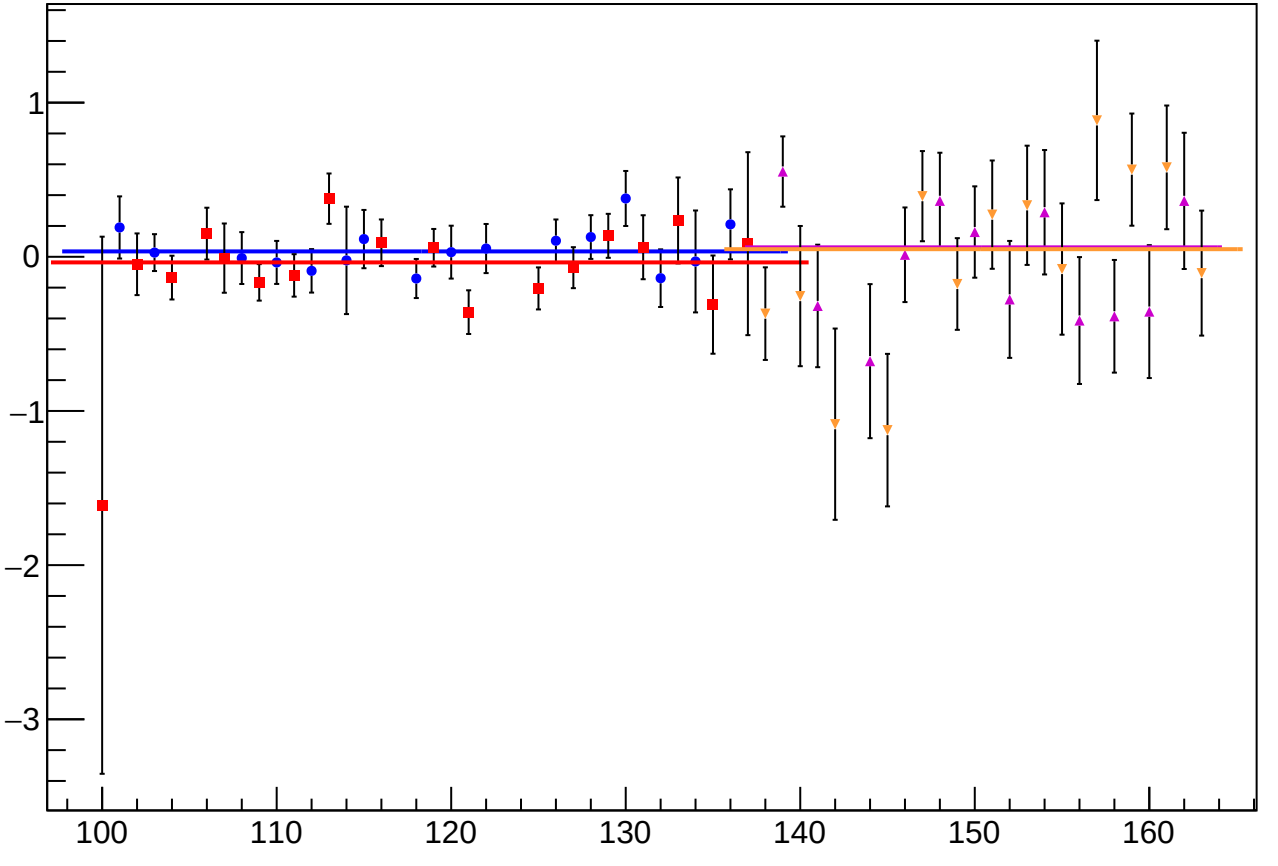
Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2387128.4/27

Out: 0.000+/-0.000 χ^2/NDF:2021128.9/30

All: 0.000+/-0.000 χ^2/NDF: 4480867.9/58

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.061+/-0.101 χ^2/NDF:14.2/11

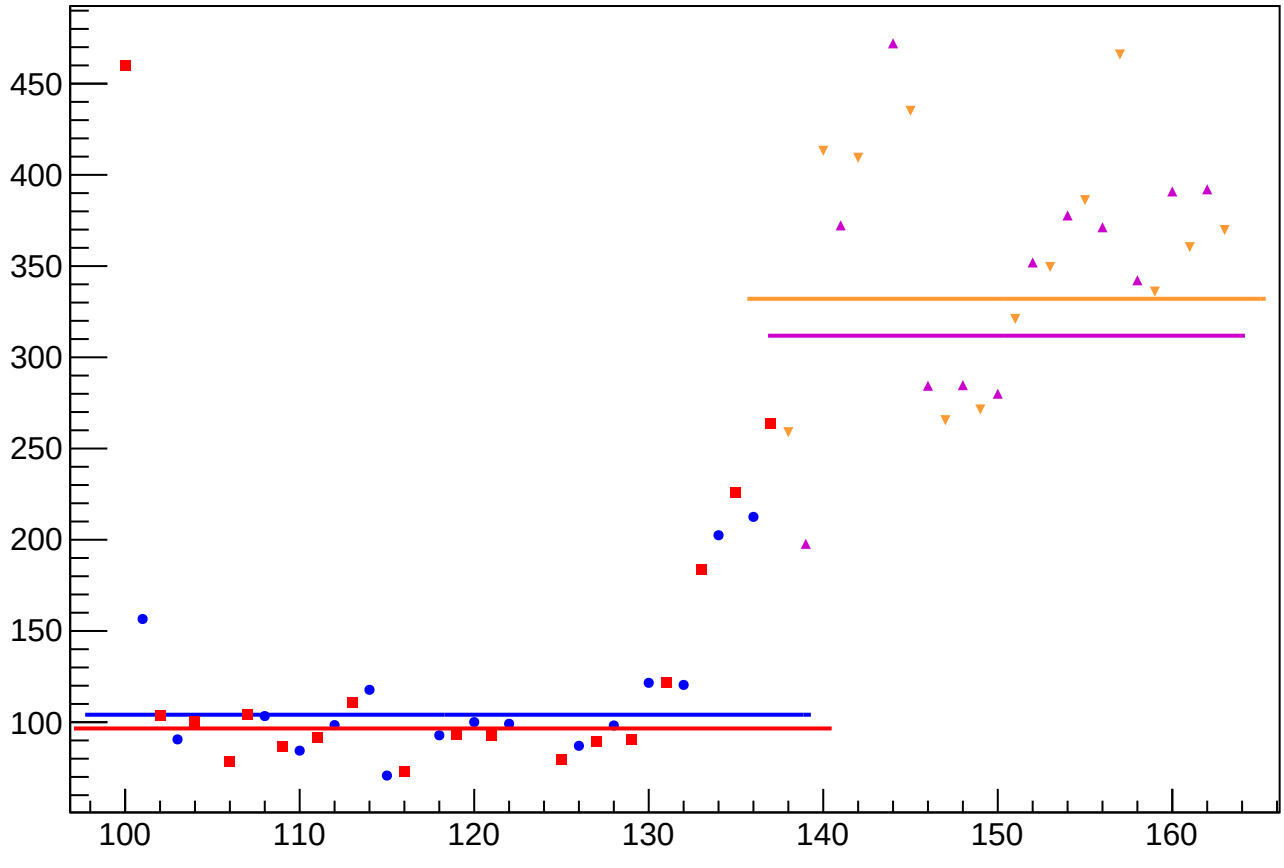
Left: 0.056+/-0.073 χ^2/NDF: 35.0/24

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:24.0/27

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.005+/-0.026 χ^2/NDF: 69.0/58



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 311.849+/-0.071 χ^2/NDF:1070978.0/11

Left: 321.462+/-0.052 χ^2/NDF: 1796135.9/24

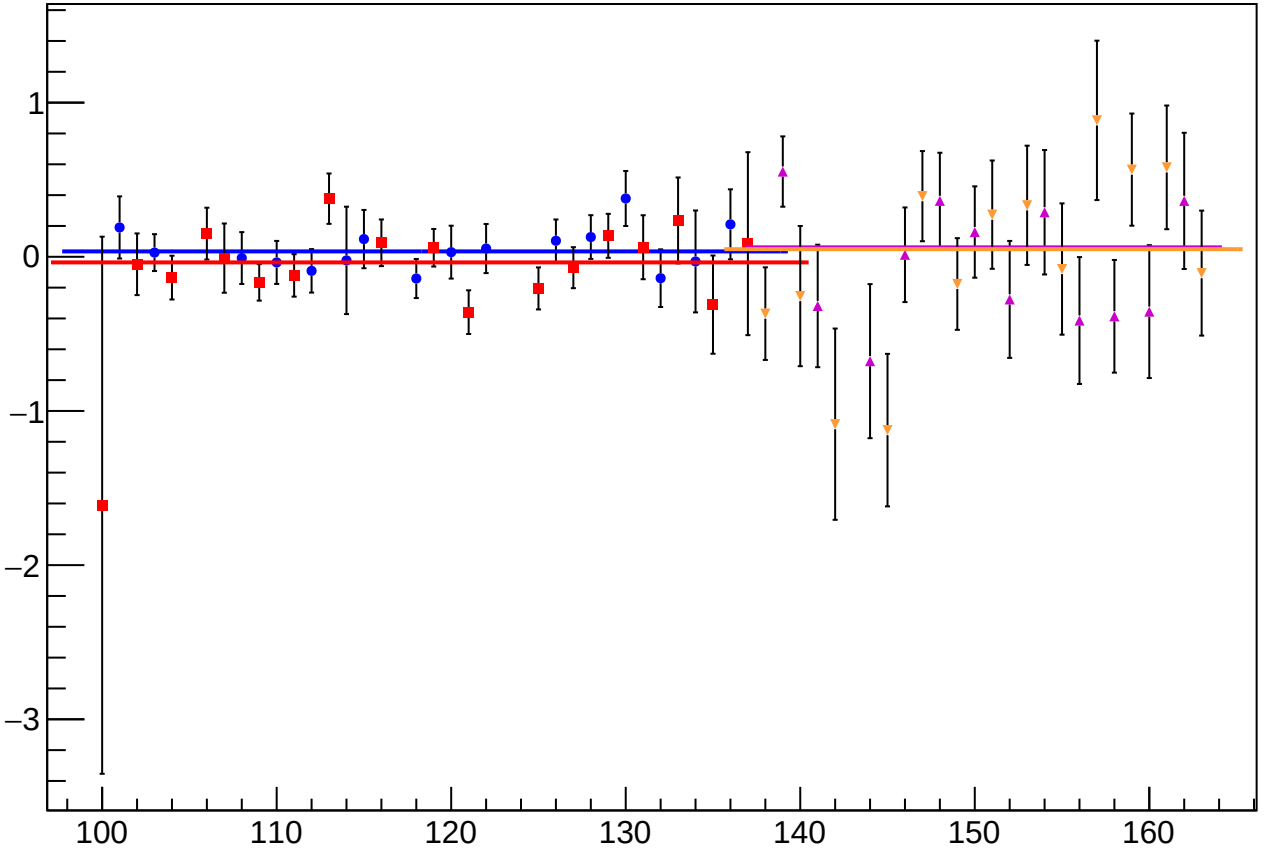
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 133.734+/-0.027 χ^2/NDF:9374899.7/27

Out: 124.663+/-0.026 χ^2/NDF:10387255.3/30

All: 129.018+/-0.019 χ^2/NDF: 19821433.3/58

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: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.061+/-0.101 χ^2/NDF:14.2/11

Left: 0.056+/-0.073 χ^2/NDF: 35.0/24

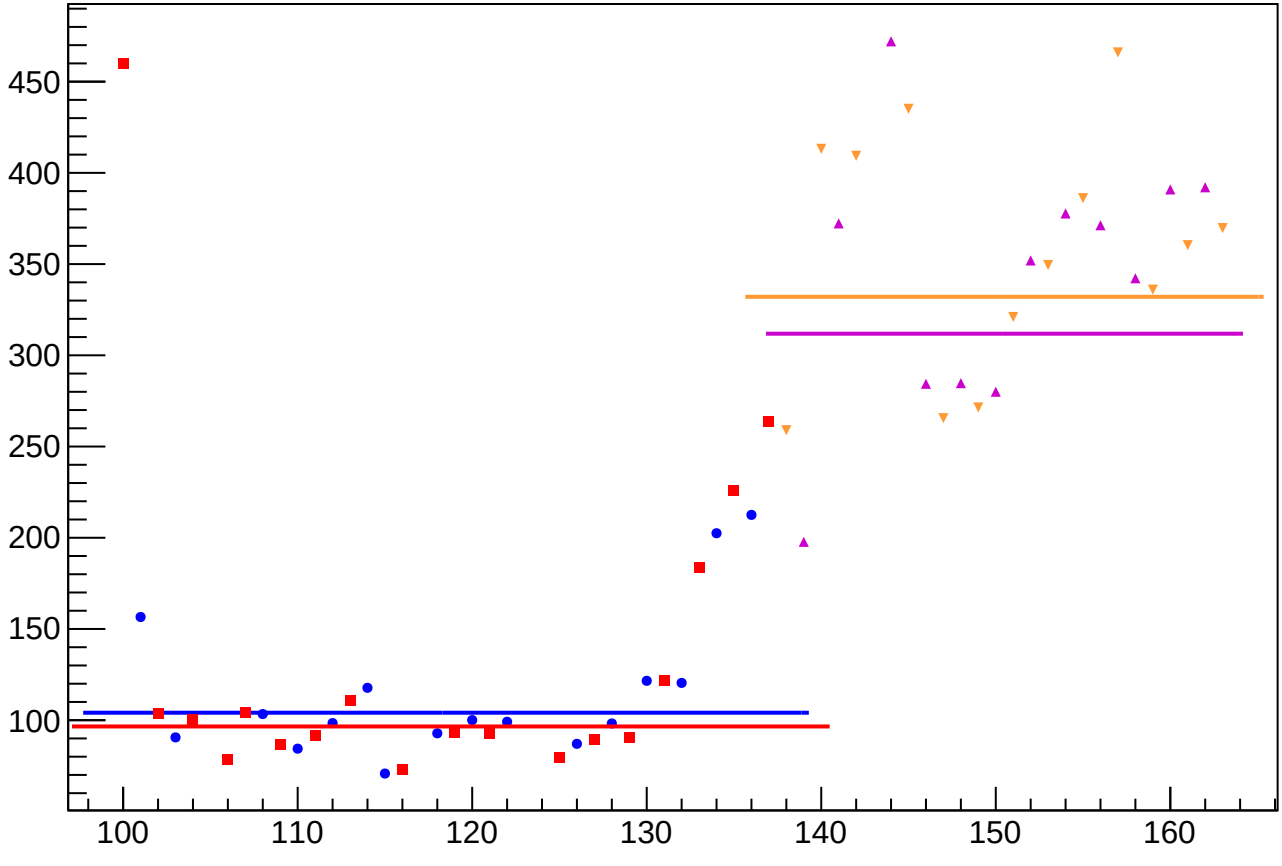
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:24.0/27

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.005+/-0.026 χ^2/NDF: 69.0/58

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 332.076+/-0.075 χ^2/NDF:686723.1/12

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 311.849+/-0.071 χ^2/NDF:1070978.0/11

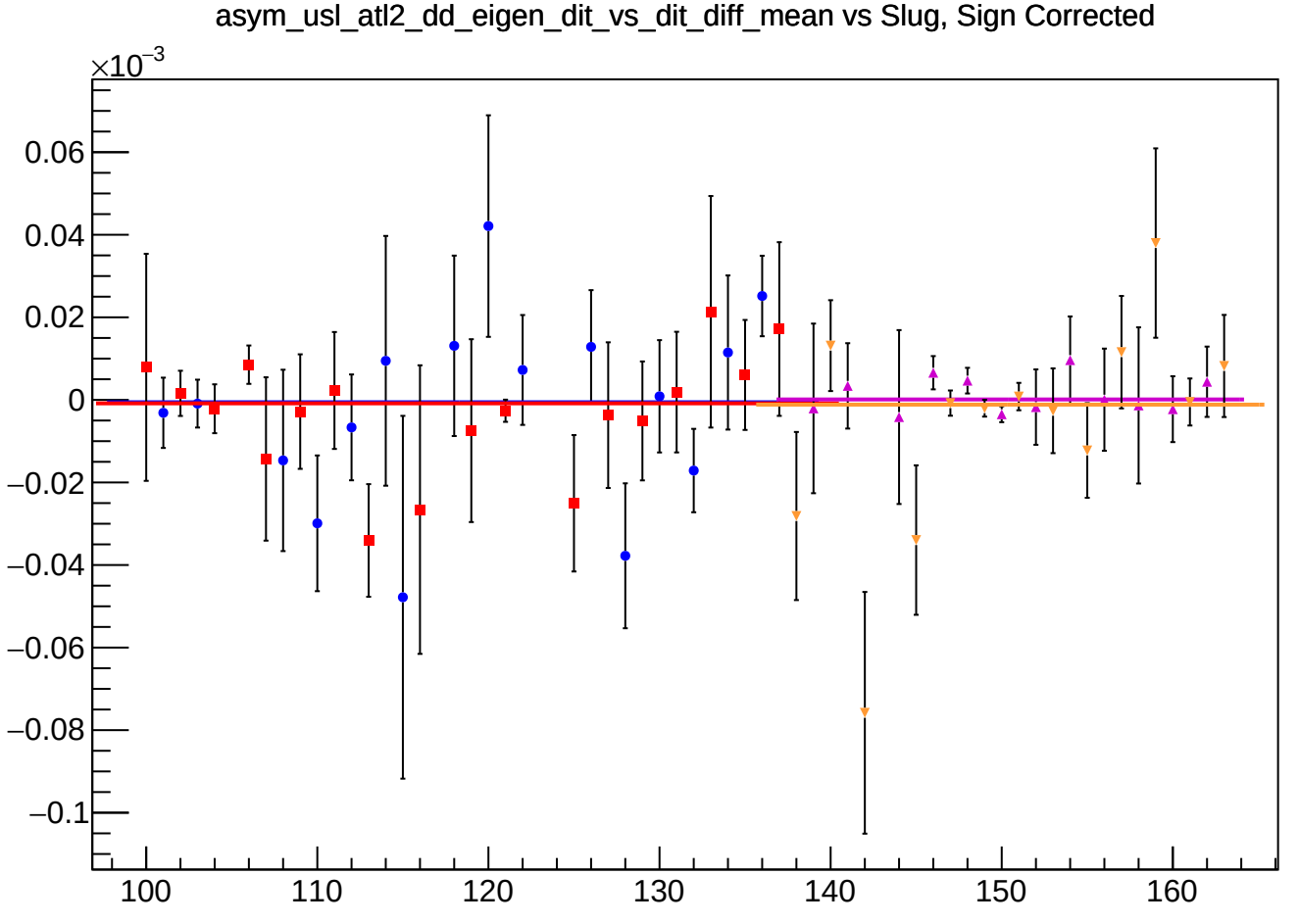
Left: 321.462+/-0.052 χ^2/NDF: 1796135.9/24

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 133.734+/-0.027 χ^2/NDF:9374899.7/27

Out: 124.663+/-0.026 χ^2/NDF:10387255.3/30

All: 129.018+/-0.019 χ^2/NDF: 19821433.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: 0.000+/-0.000 χ^2/NDF:9.6/11

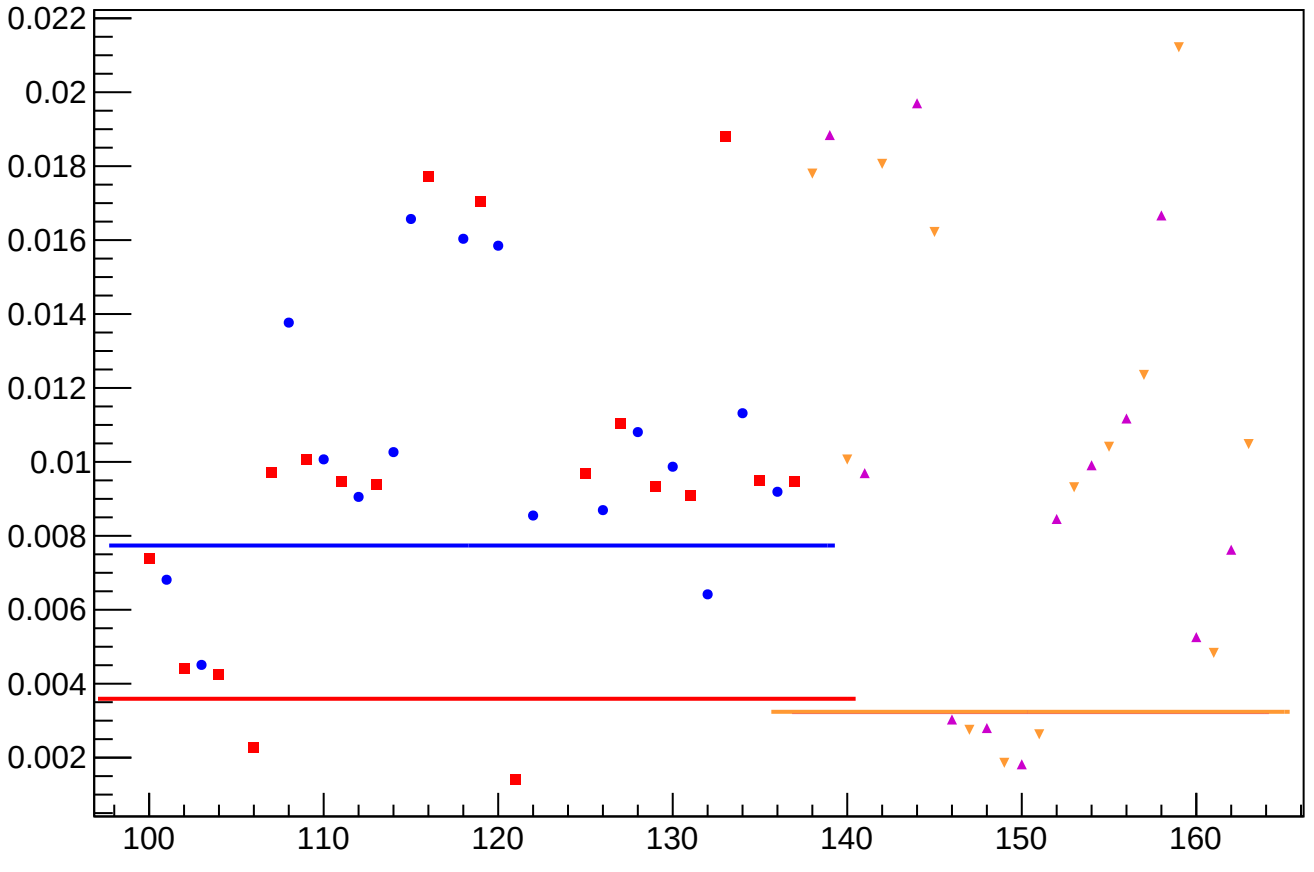
Left: -0.000+/-0.000 χ^2/NDF: 29.1/24

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:33.6/27

Out: -0.000+/-0.000 χ^2/NDF:35.0/30

All: -0.000+/-0.000 χ^2/NDF: 68.9/58



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:8817285.2/12

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:8228270.0/11

Left: 0.003+/-0.000 χ^2/NDF: 17045582.1/24

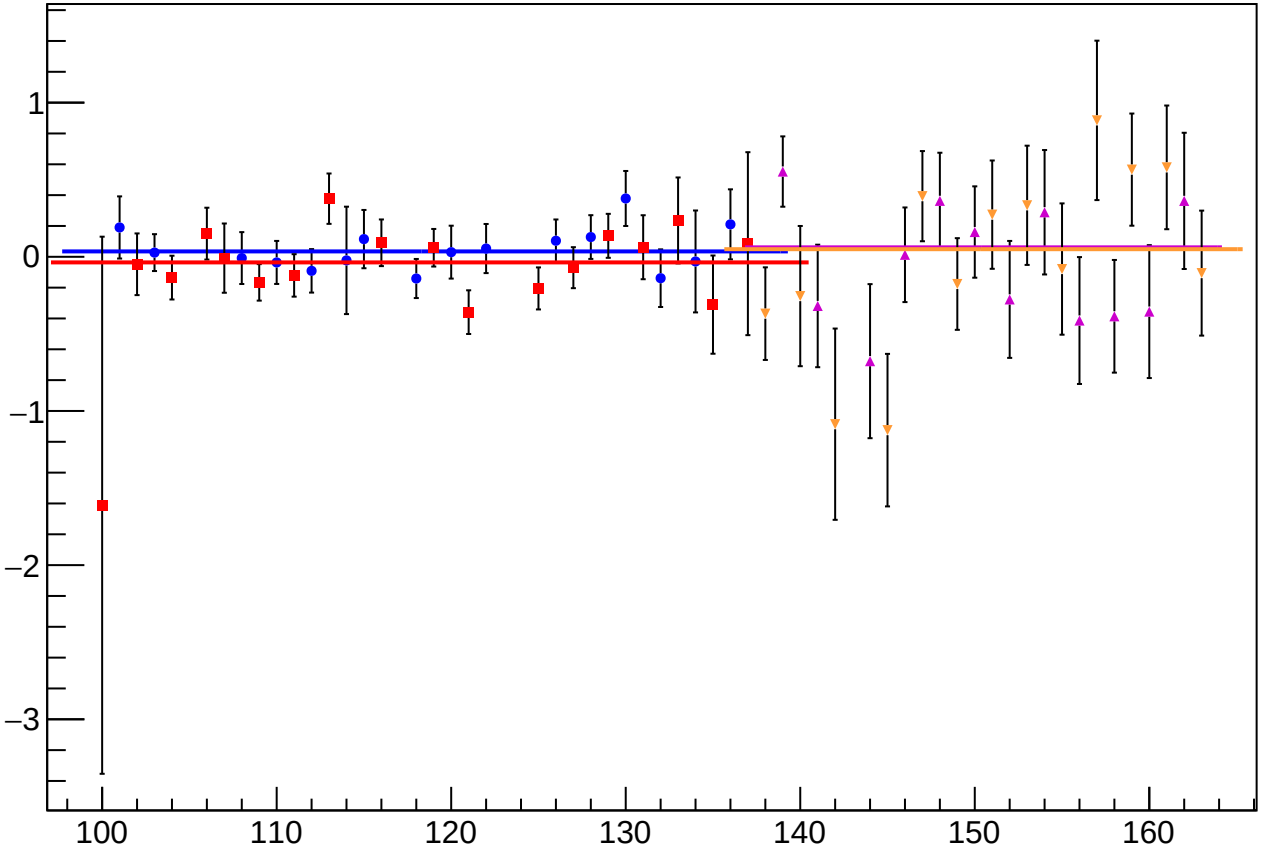
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:13415895.5/27

Out: 0.003+/-0.000 χ^2/NDF:15228808.5/30

All: 0.004+/-0.000 χ^2/NDF: 28916525.5/58

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.061+/-0.101 χ^2/NDF:14.2/11

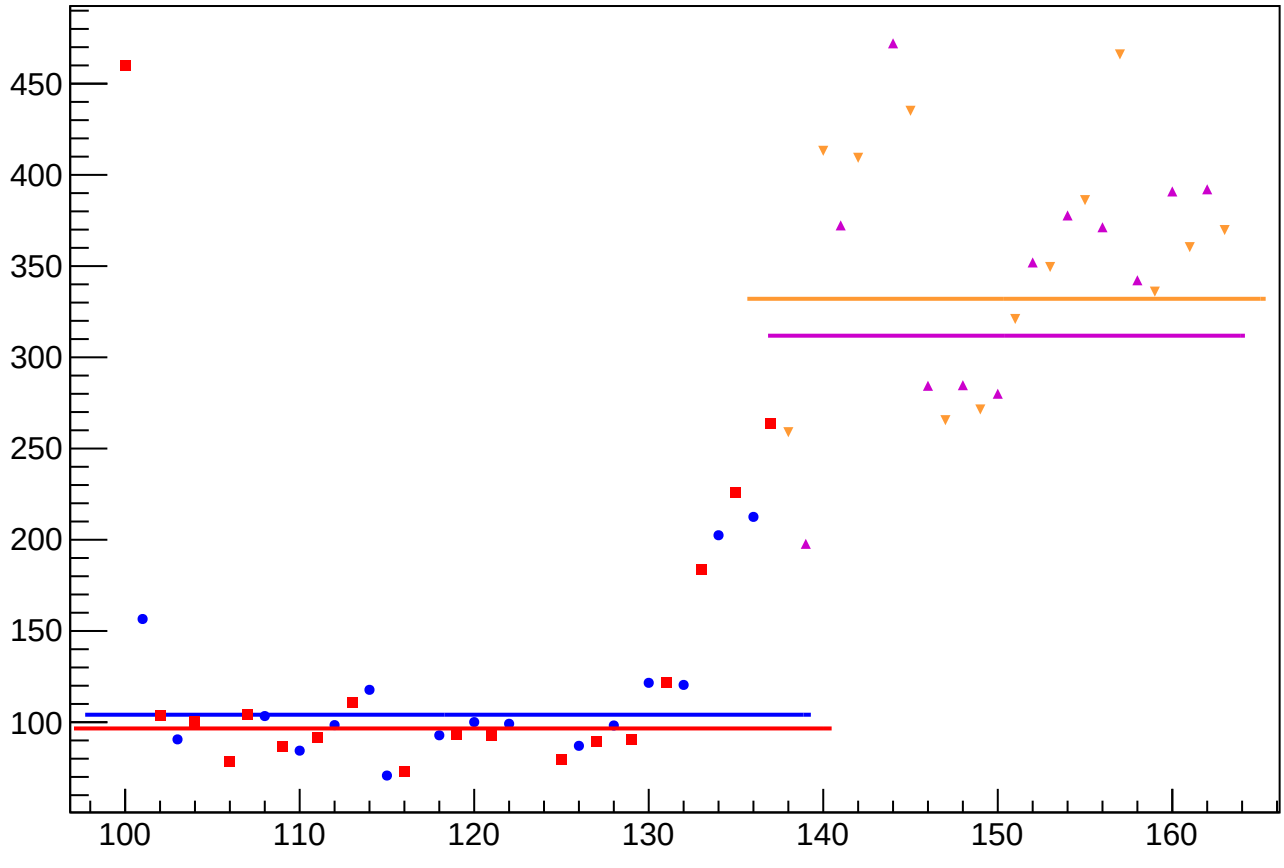
Left: 0.056+/-0.073 χ^2/NDF: 35.0/24

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:24.0/27

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.005+/-0.026 χ^2/NDF: 69.0/58



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 311.853+/-0.071 χ^2/NDF:1070964.5/11

Left: 321.466+/-0.052 χ^2/NDF: 1796173.7/24

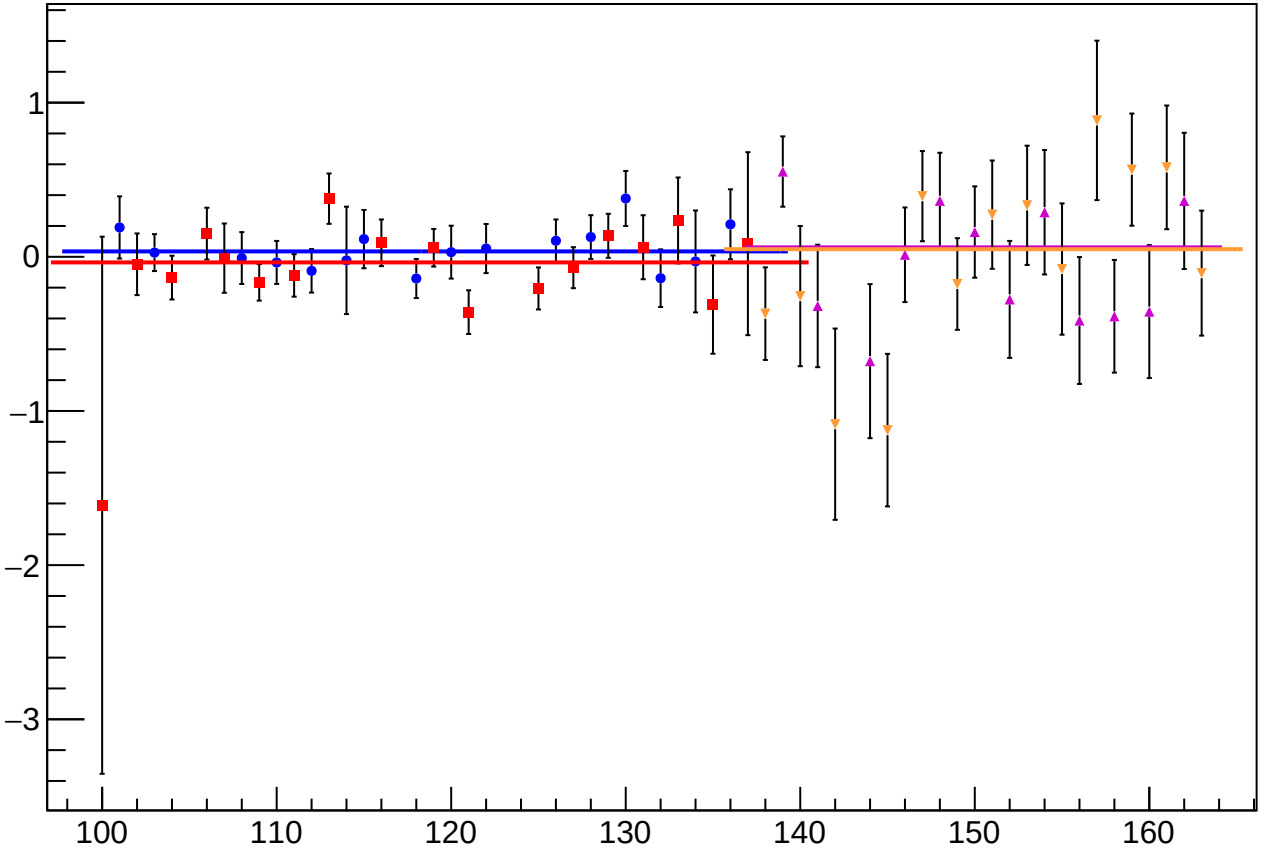
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 133.735+/-0.027 χ^2/NDF:9374903.3/27

Out: 124.665+/-0.026 χ^2/NDF:10387196.4/30

All: 129.019+/-0.019 χ^2/NDF: 19821370.8/58

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.049+/-0.106 χ^2/NDF:20.9/12

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.061+/-0.101 χ^2/NDF:14.2/11

Left: 0.056+/-0.073 χ^2/NDF: 35.0/24

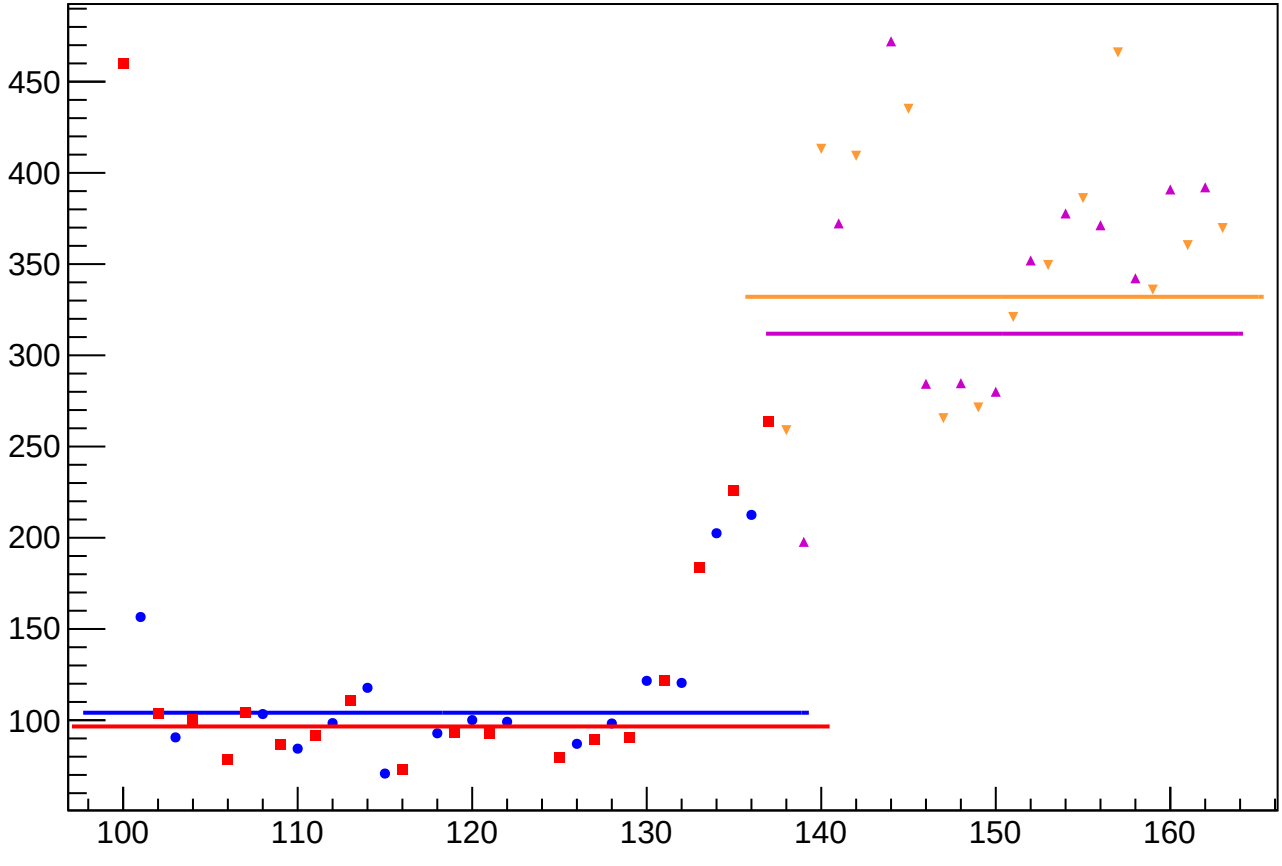
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.038 χ^2/NDF:24.0/27

Out: -0.026+/-0.037 χ^2/NDF:43.5/30

All: 0.005+/-0.026 χ^2/NDF: 69.0/58

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 332.079+/-0.075 χ^2/NDF:686780.1/12

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 311.853+/-0.071 χ^2/NDF:1070964.5/11

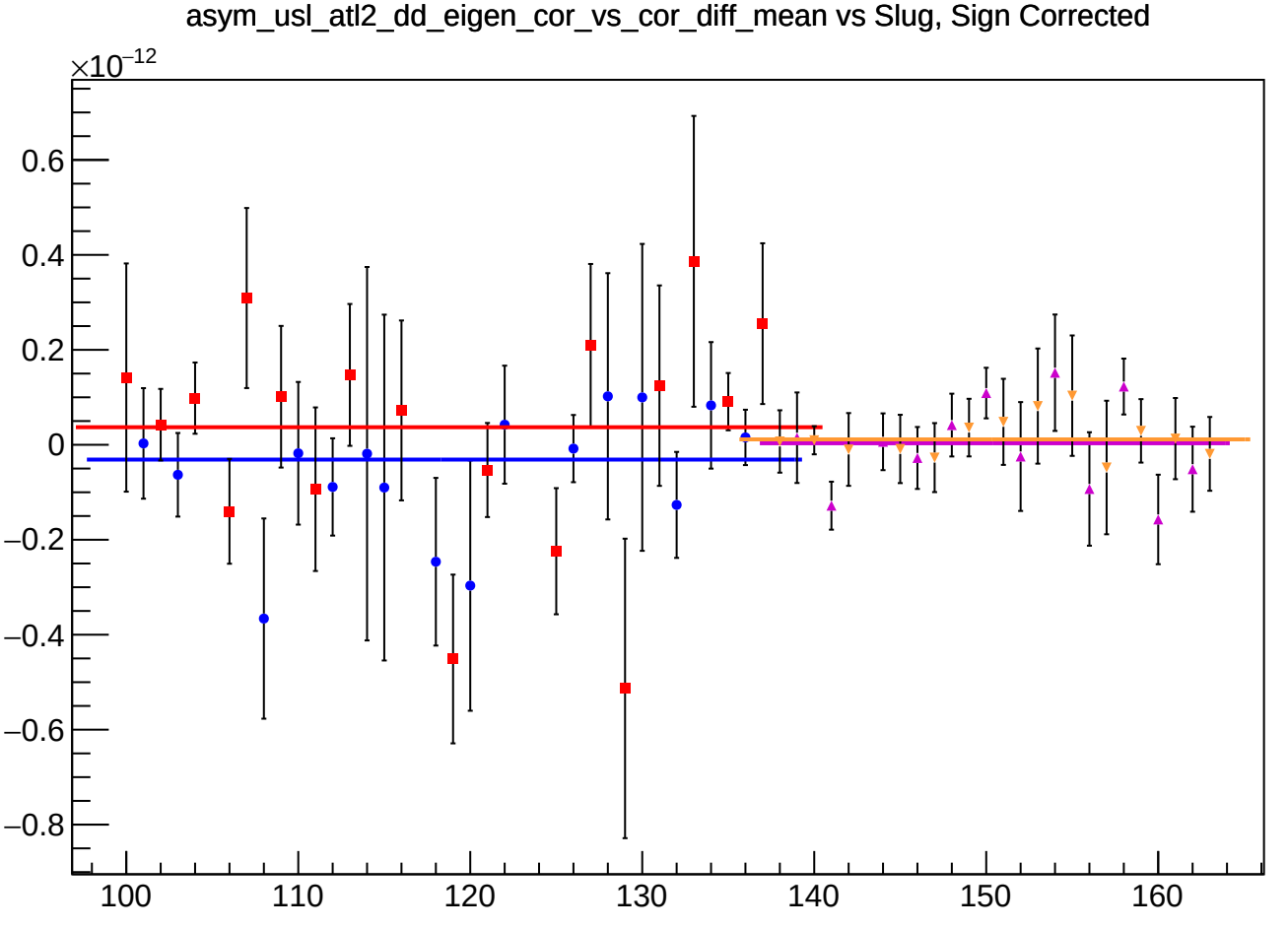
Left: 321.466+/-0.052 χ^2/NDF: 1796173.7/24

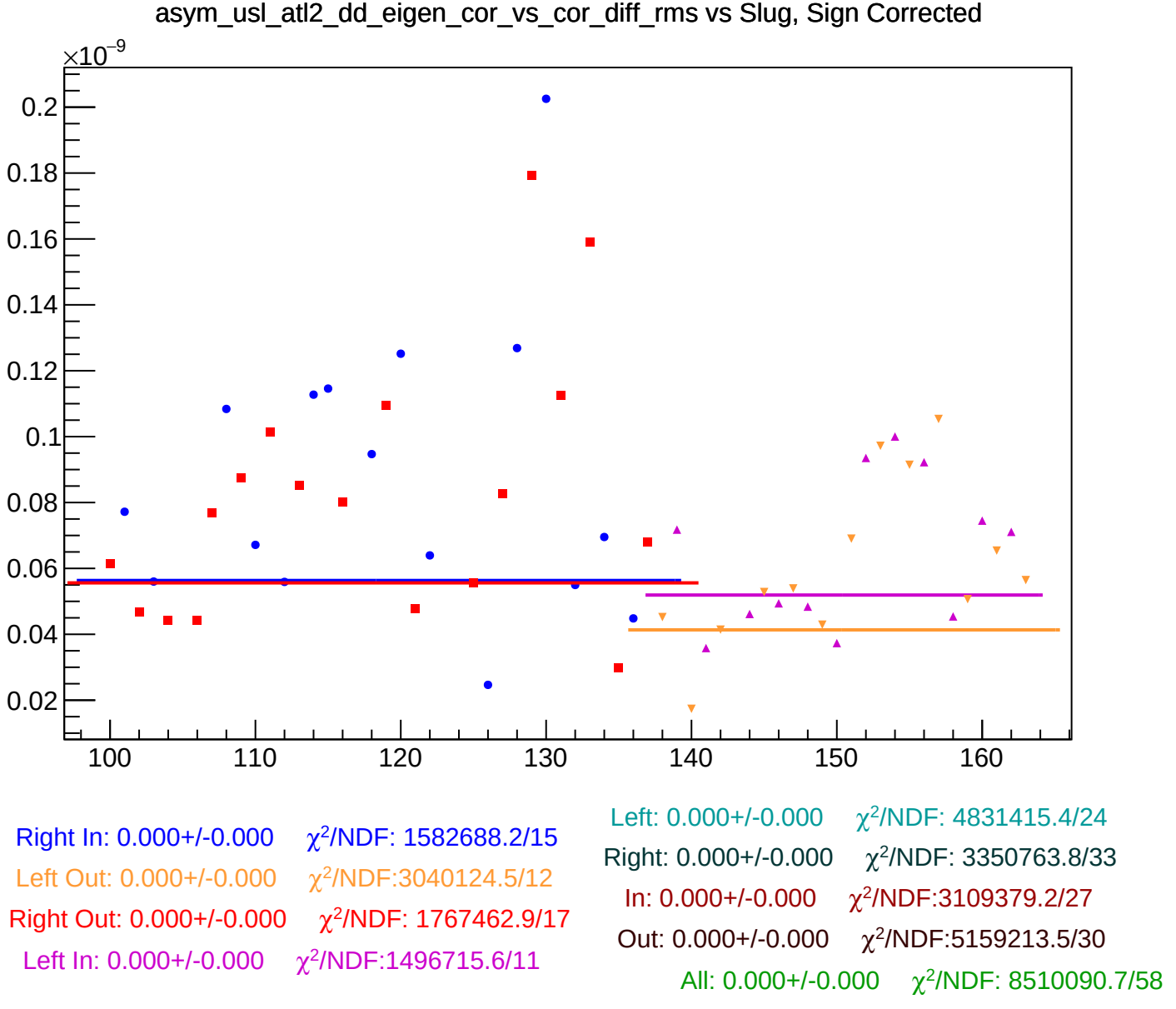
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

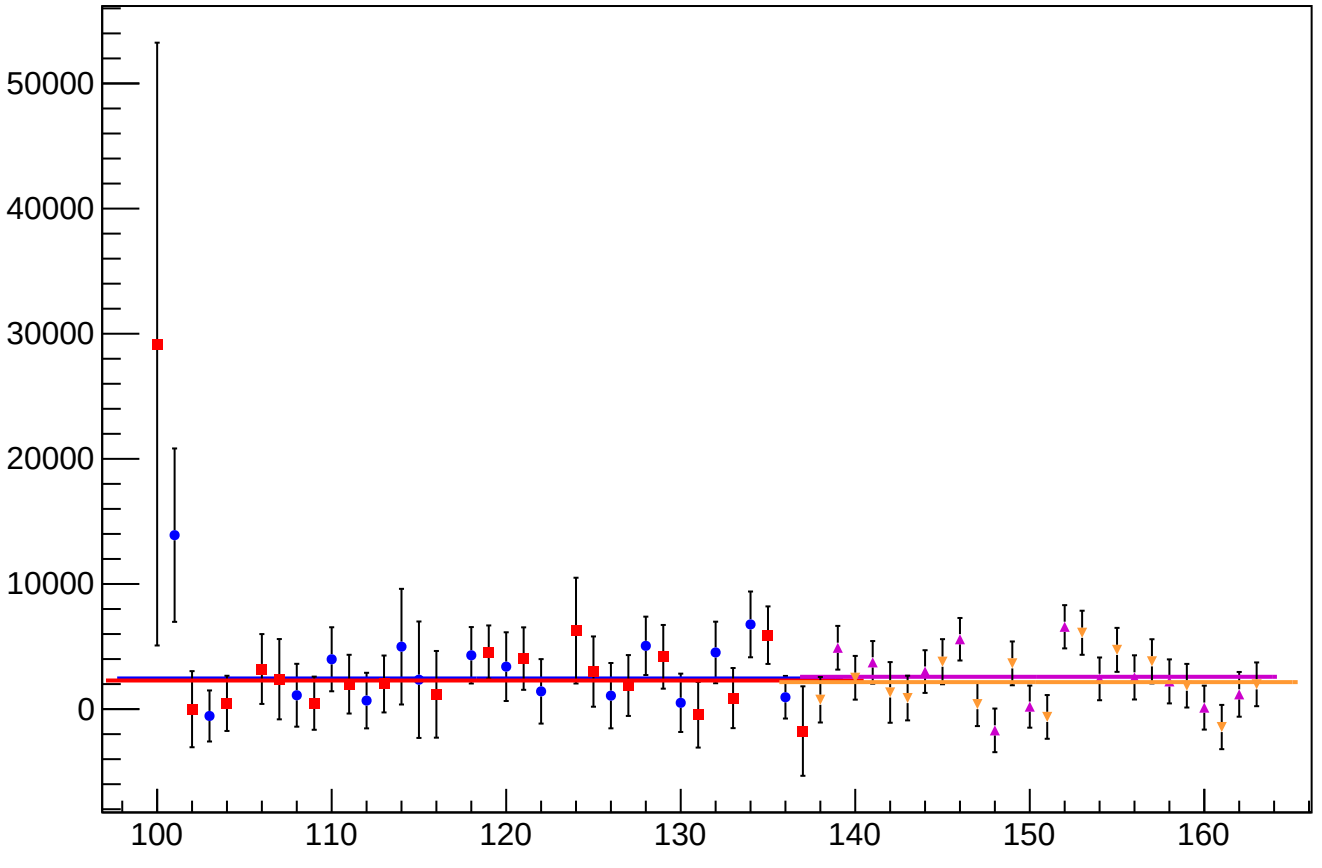
In: 133.735+/-0.027 χ^2/NDF:9374903.3/27

Out: 124.665+/-0.026 χ^2/NDF:10387196.4/30

All: 129.019+/-0.019 χ^2/NDF: 19821370.8/58


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 27.0/17
Left In: 0.000+/-0.000 χ²/NDF:20.9/11
Left: 0.000+/-0.000 χ²/NDF: 23.0/24
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:30.3/27
Out: 0.000+/-0.000 χ²/NDF:29.7/30
All: 0.000+/-0.000 χ²/NDF: 61.4/58


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:3040124.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:1496715.6/11
Left: 0.000+/-0.000 χ²/NDF: 4831415.4/24
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:3109379.2/27
Out: 0.000+/-0.000 χ²/NDF:5159213.5/30
All: 0.000+/-0.000 χ²/NDF: 8510090.7/58



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.853+/-479.853 χ^2/NDF:18.6/13

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2582.960+/-499.833 χ^2/NDF:21.4/11

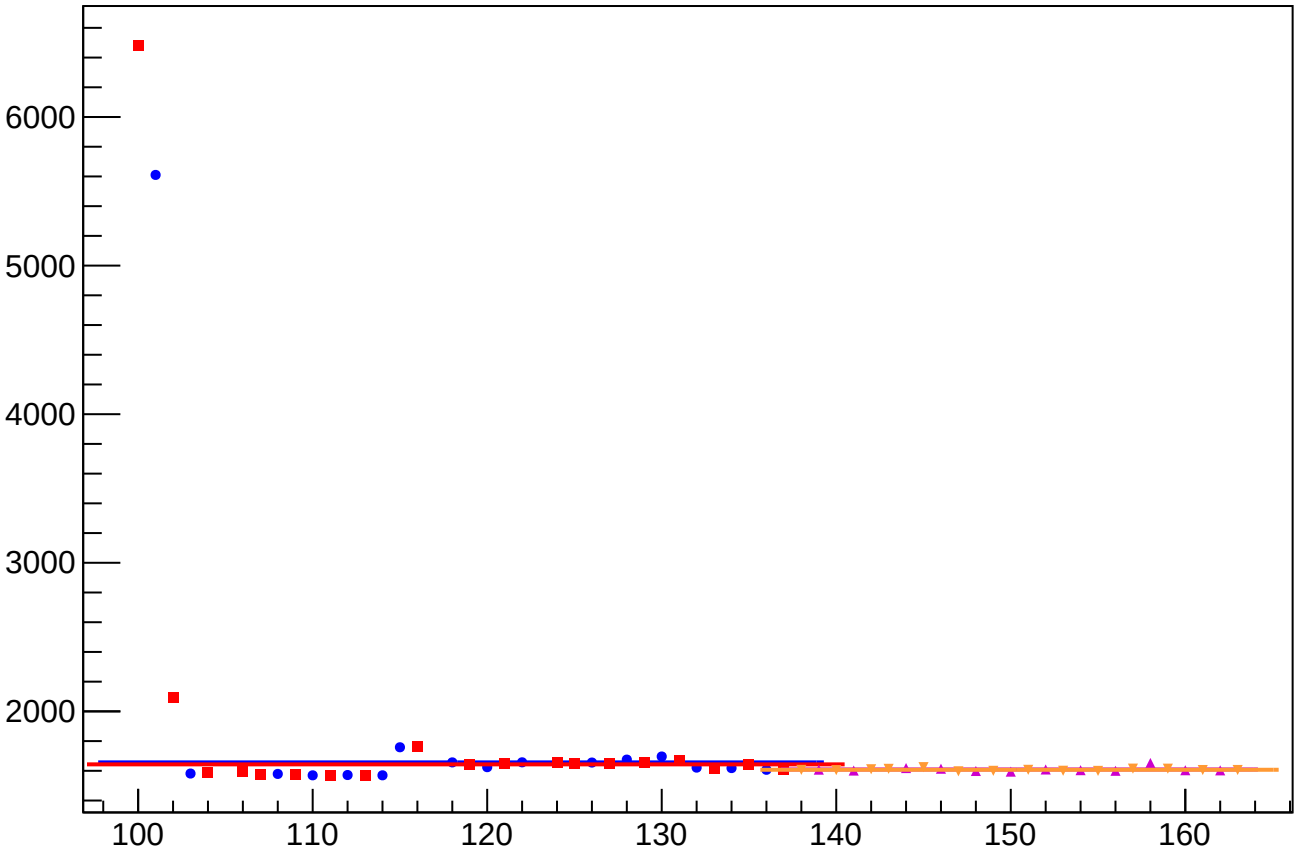
Left: 2361.220+/-346.155 χ^2/NDF: 40.4/25

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2531.604+/-391.621 χ^2/NDF:35.3/27

Out: 2206.525+/-376.947 χ^2/NDF:30.4/32

All: 2362.861+/-271.581 χ^2/NDF: 66.1/60



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1609.051+/-0.353 χ^2/NDF:1671.2/11

Left: 1608.006+/-0.245 χ^2/NDF: 2156.9/25

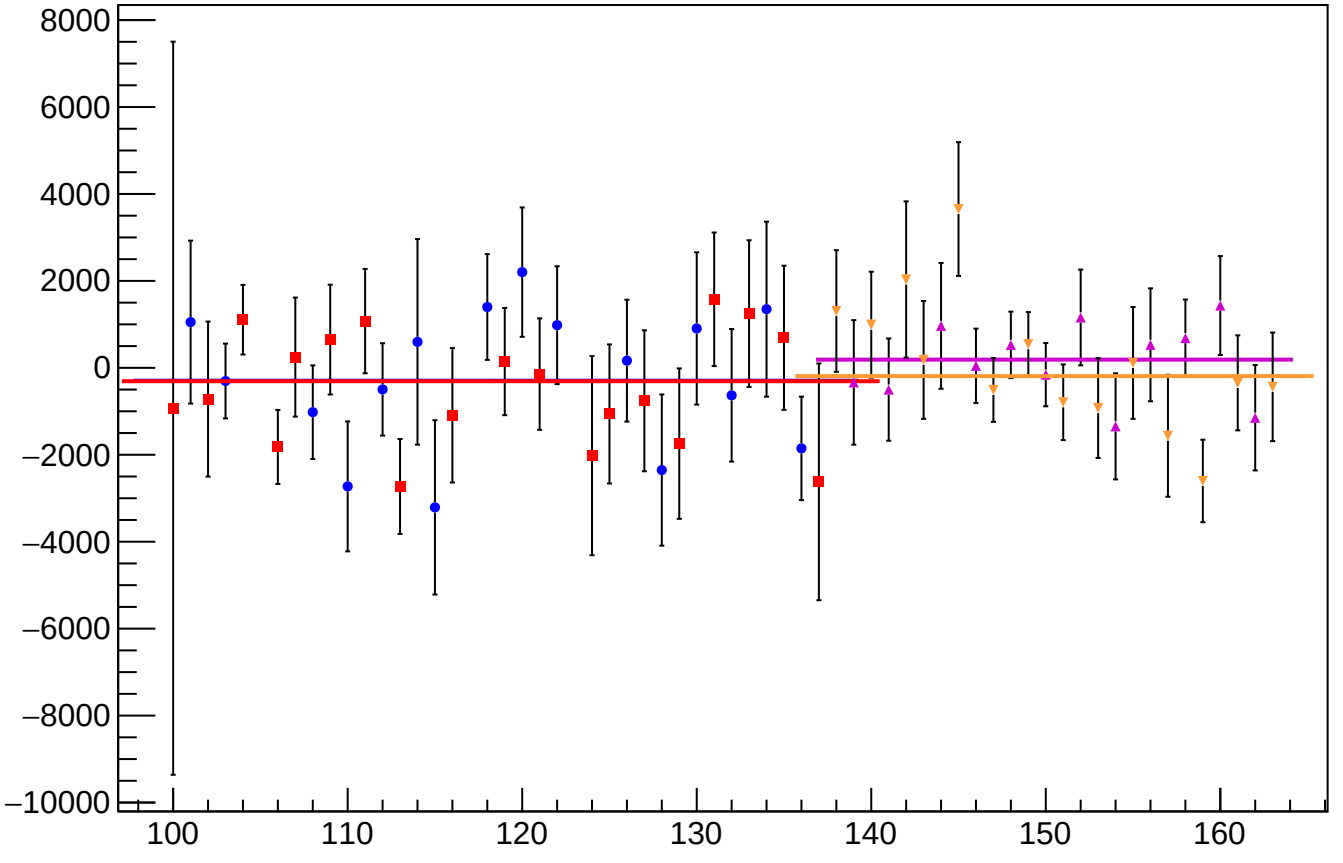
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1627.443+/-0.277 χ^2/NDF:674910.6/27

Out: 1620.977+/-0.267 χ^2/NDF:141870.2/32

All: 1624.086+/-0.192 χ^2/NDF: 817063.7/60

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -190.189+/-289.490 χ^2/NDF:19.5/13

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 188.827+/-295.301 χ^2/NDF:6.4/11

Left: -4.447+/-206.724 χ^2/NDF: 26.7/25

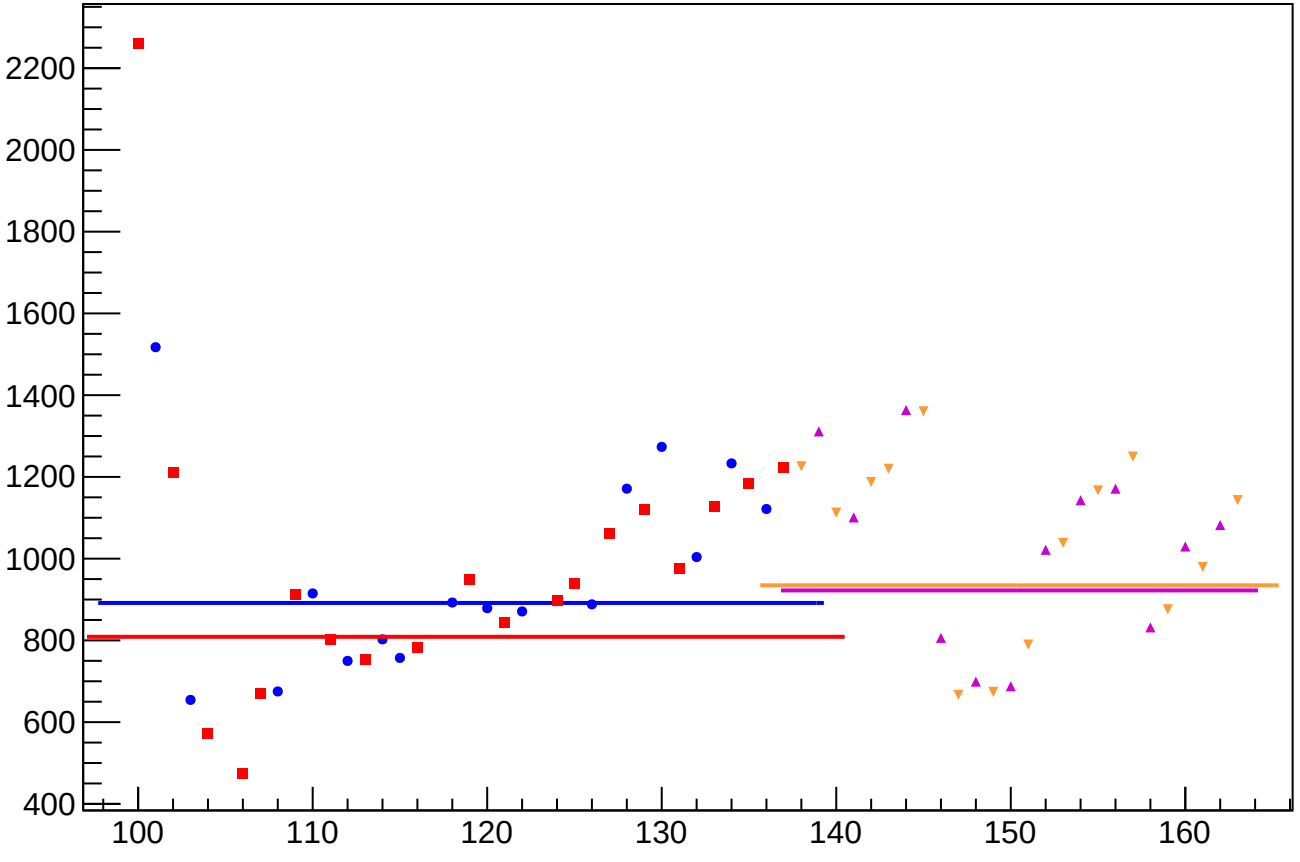
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -17.447+/-223.910 χ^2/NDF:23.5/27

Out: -244.357+/-212.519 χ^2/NDF:38.3/32

All: -136.821+/-154.143 χ^2/NDF: 62.3/60

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 934.734+/-0.205 χ^2/NDF:1230933.7/13

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 922.298+/-0.209 χ^2/NDF:1023308.0/11

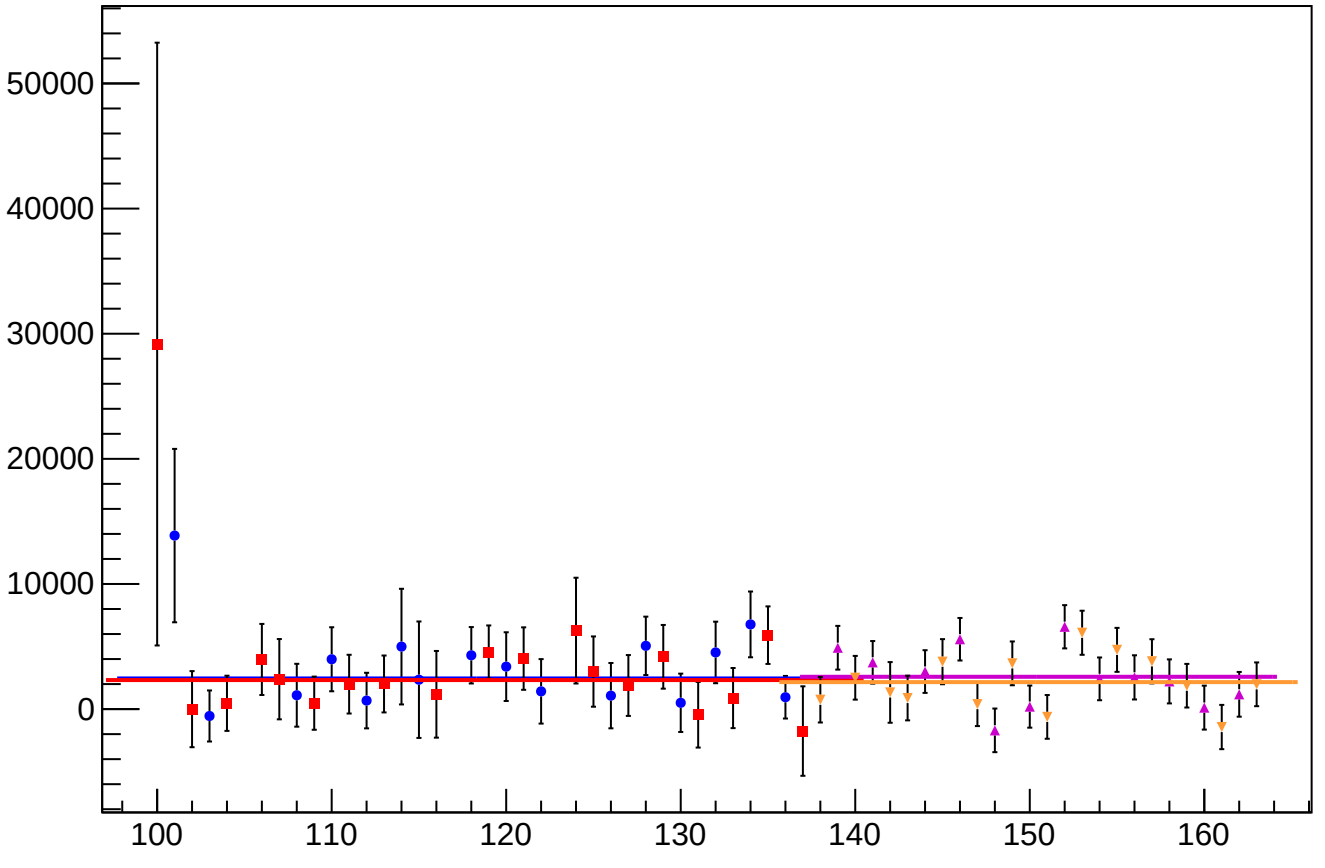
Left: 928.640+/-0.146 χ^2/NDF: 2256050.3/25

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 909.264+/-0.158 χ^2/NDF:1826372.8/27

Out: 876.673+/-0.150 χ^2/NDF:2489259.8/32

All: 892.118+/-0.109 χ^2/NDF: 4337923.0/60



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2583.030+/-499.833 χ^2/NDF:21.4/11

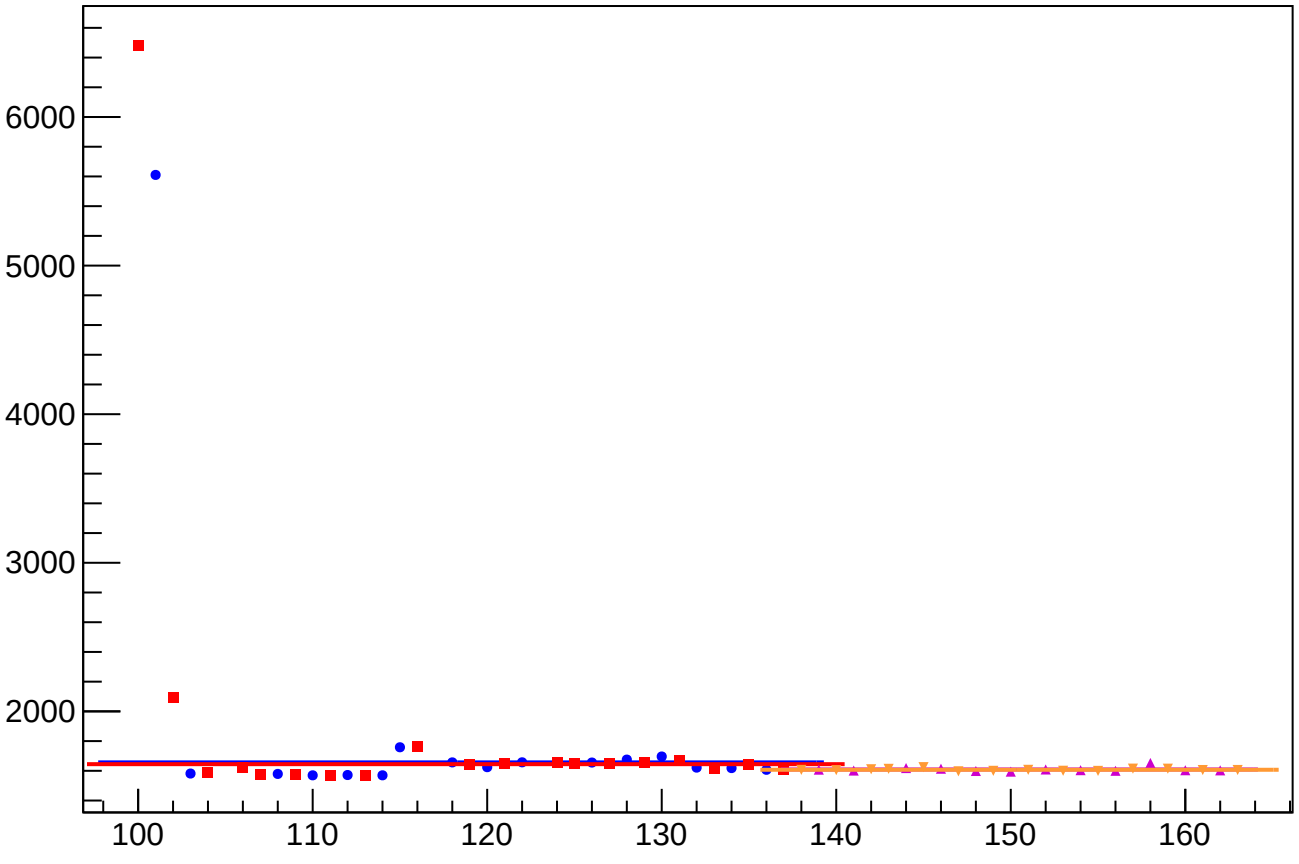
Left: 2361.242+/-346.155 χ^2/NDF: 40.4/25

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2531.431+/-391.621 χ^2/NDF:35.3/27

Out: 2219.467+/-377.066 χ^2/NDF:30.7/32

All: 2369.544+/-271.625 χ^2/NDF: 66.3/60



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.051+/-0.353 χ^2/NDF:1671.2/11

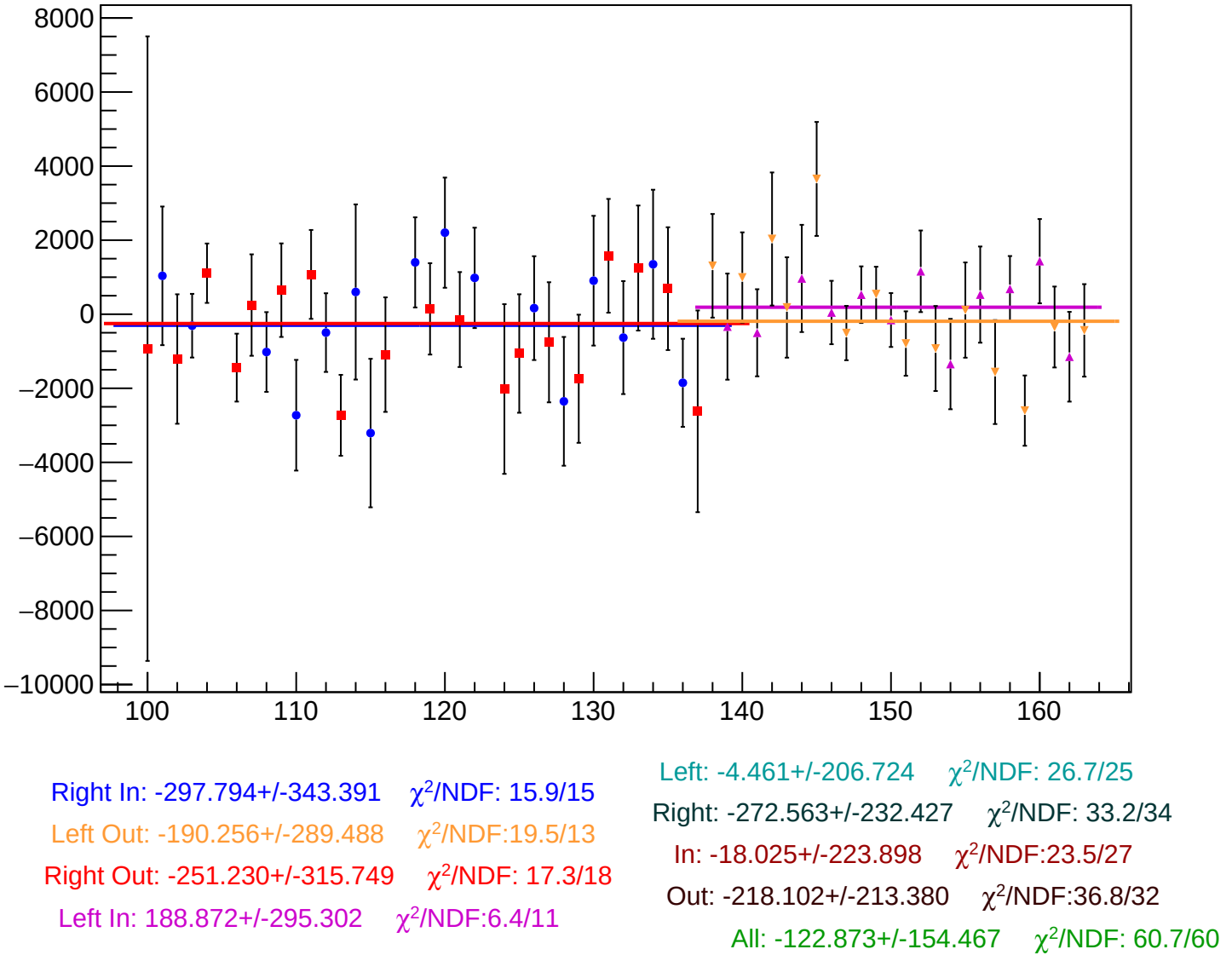
Left: 1608.006+/-0.245 χ^2/NDF: 2156.9/25

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1627.443+/-0.277 χ^2/NDF:674910.1/27

Out: 1621.461+/-0.267 χ^2/NDF:141671.5/32

All: 1624.339+/-0.192 χ^2/NDF: 816823.8/60


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
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4000
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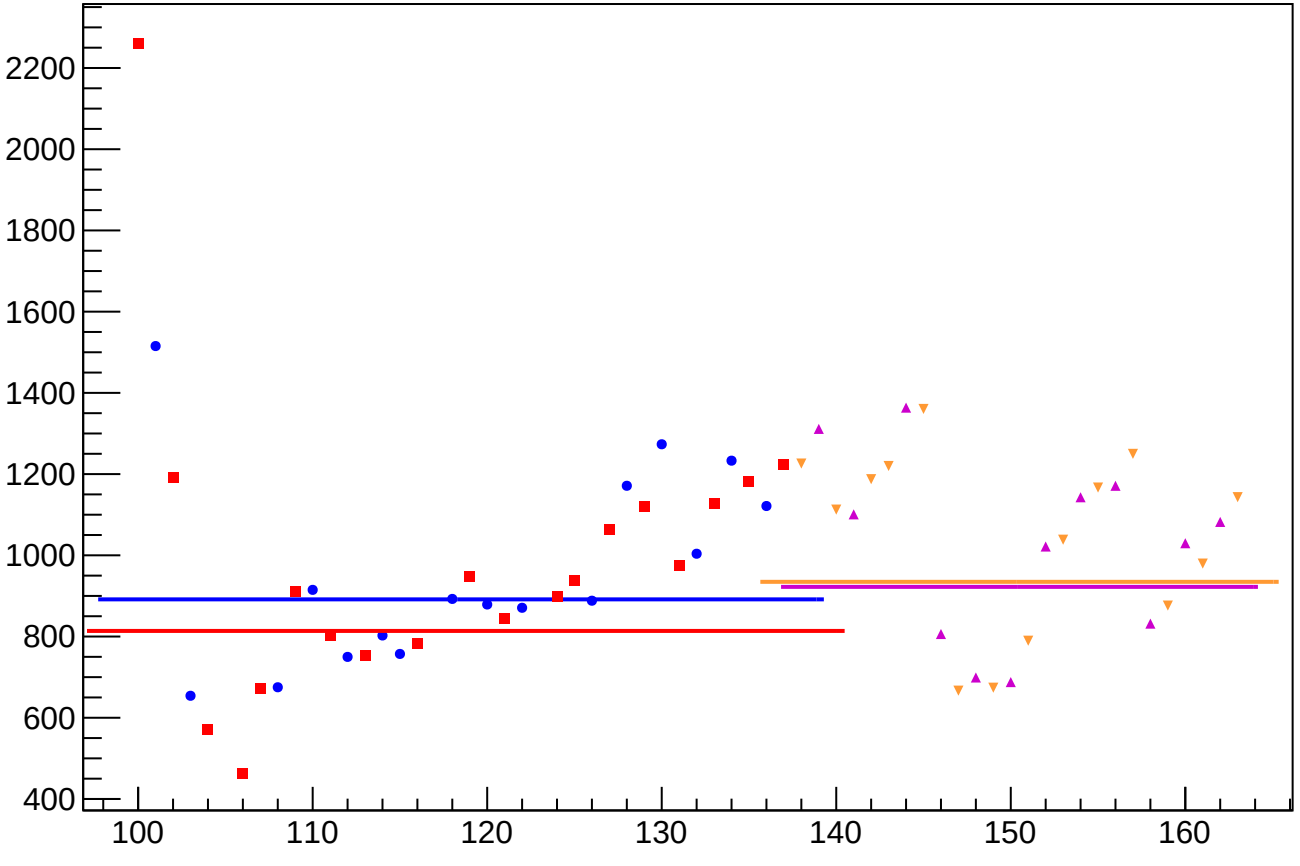
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -190.256+/-289.488 χ²/NDF:19.5/13
Right Out: -251.230+/-315.749 χ²/NDF: 17.3/18
Left In: 188.872+/-295.302 χ²/NDF:6.4/11
Left: -4.461+/-206.724 χ²/NDF: 26.7/25
Right: -272.563+/-232.427 χ²/NDF: 33.2/34
In: -18.025+/-223.898 χ²/NDF:23.5/27
Out: -218.102+/-213.380 χ²/NDF:36.8/32
All: -122.873+/-154.467 χ²/NDF: 60.7/60

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 922.303+/-0.209 χ^2/NDF:1023265.8/11

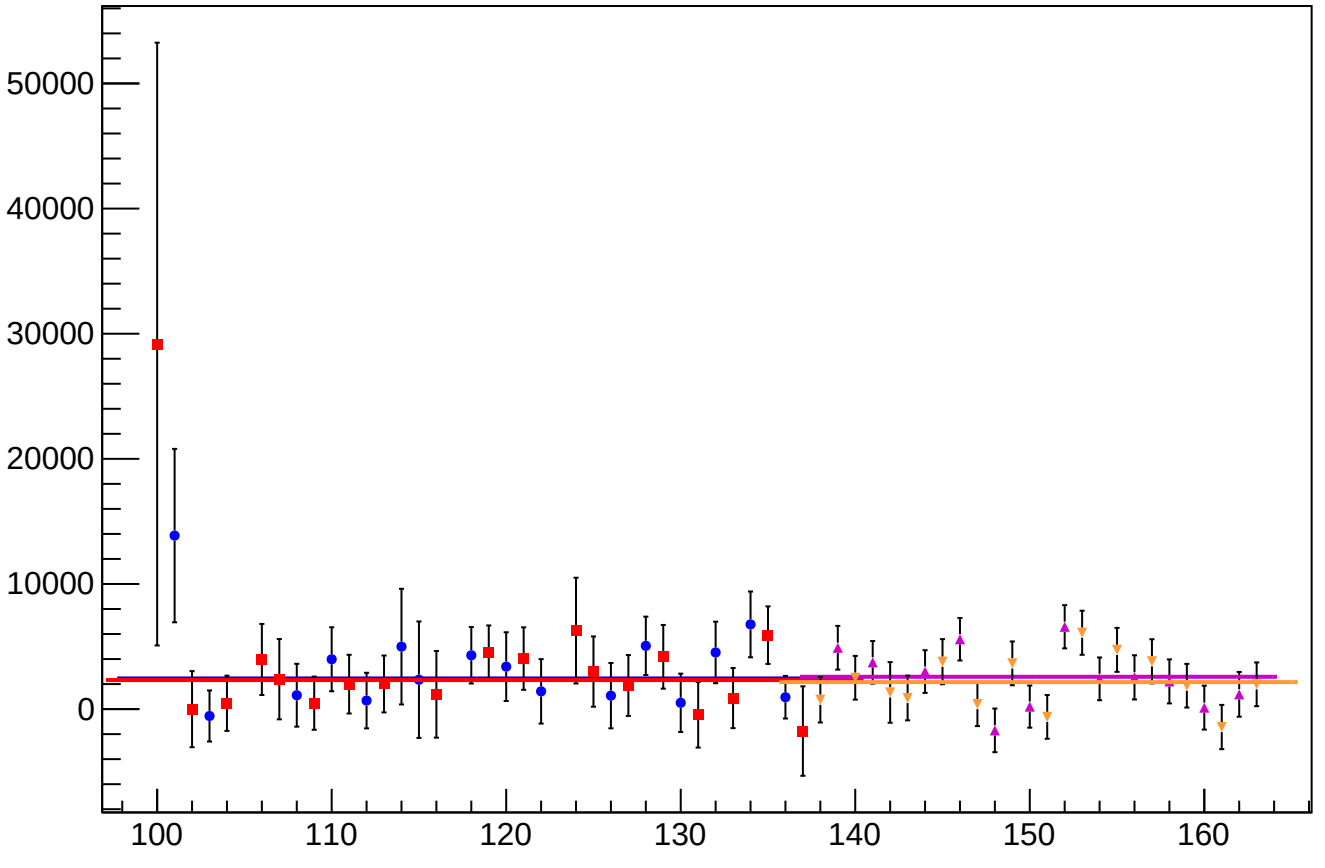
Left: 928.638+/-0.146 χ^2/NDF: 2256101.3/25

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 909.222+/-0.158 χ^2/NDF:1826154.7/27

Out: 879.503+/-0.151 χ^2/NDF:2443382.1/32

All: 893.648+/-0.109 χ^2/NDF: 4288001.7/60



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2156.831+/-479.853 χ^2/NDF:18.6/13

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2583.030+/-499.833 χ^2/NDF:21.4/11

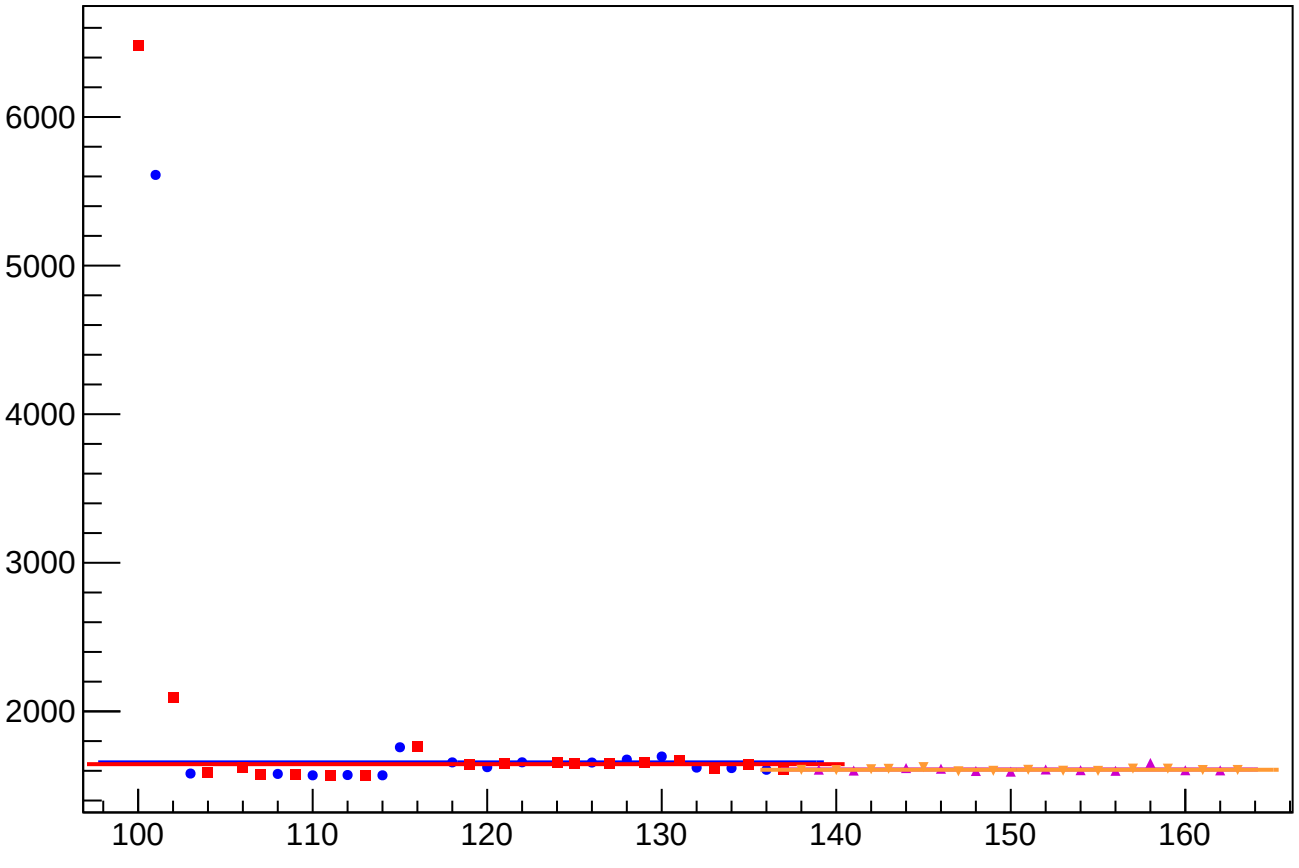
Left: 2361.242+/-346.155 χ^2/NDF: 40.4/25

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2531.431+/-391.621 χ^2/NDF:35.3/27

Out: 2219.467+/-377.066 χ^2/NDF:30.7/32

All: 2369.544+/-271.625 χ^2/NDF: 66.3/60



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1607.044+/-0.339 χ^2/NDF:468.8/13

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1609.051+/-0.353 χ^2/NDF:1671.2/11

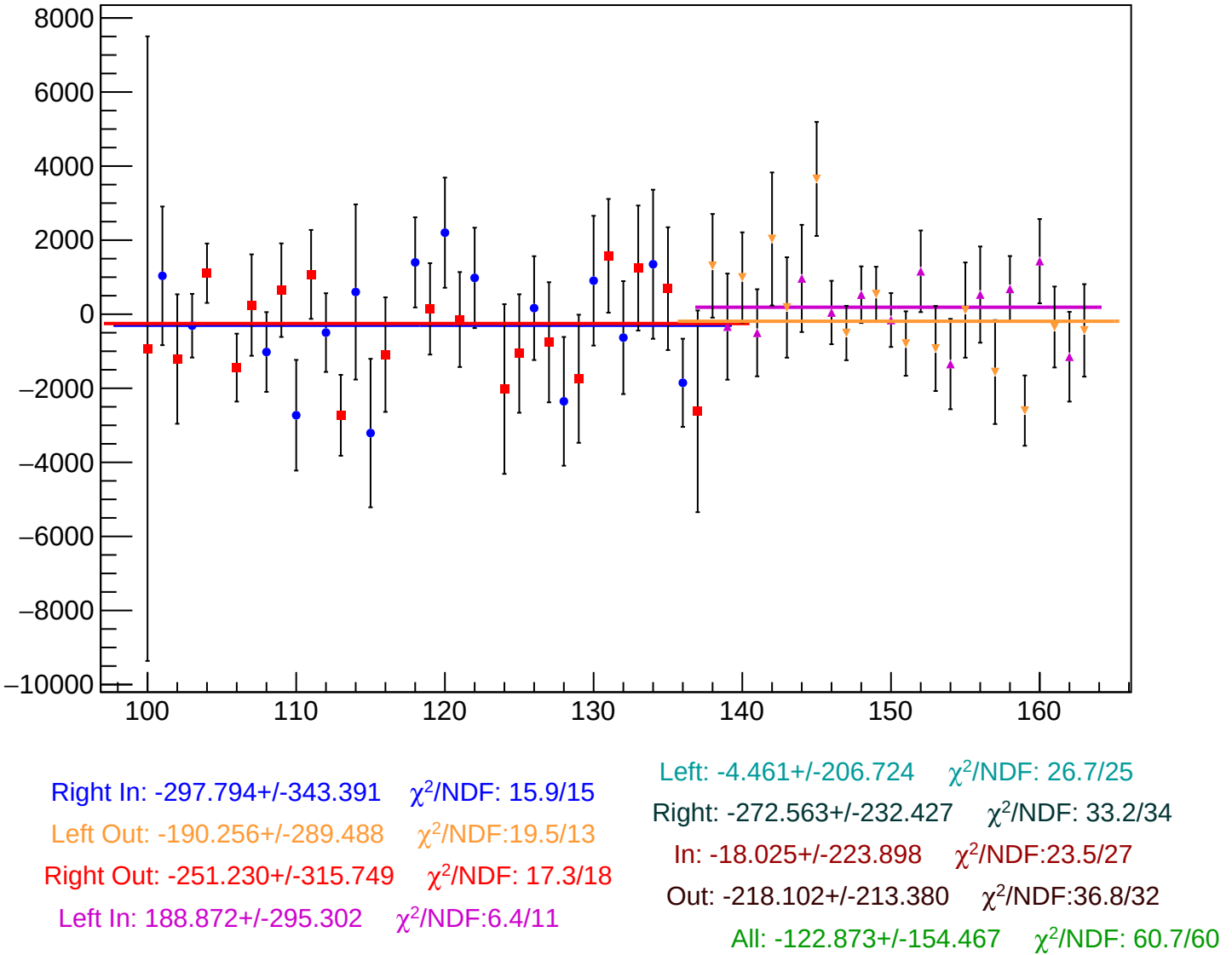
Left: 1608.006+/-0.245 χ^2/NDF: 2156.9/25

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1627.443+/-0.277 χ^2/NDF:674910.1/27

Out: 1621.461+/-0.267 χ^2/NDF:141671.5/32

All: 1624.339+/-0.192 χ^2/NDF: 816823.8/60


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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−2000
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−6000
−8000
−10000
100
110
120
130
140
150
160
Right In: -297.794+/-343.391 χ²/NDF: 15.9/15
Left Out: -190.256+/-289.488 χ²/NDF:19.5/13
Right Out: -251.230+/-315.749 χ²/NDF: 17.3/18
Left In: 188.872+/-295.302 χ²/NDF:6.4/11
Left: -4.461+/-206.724 χ²/NDF: 26.7/25
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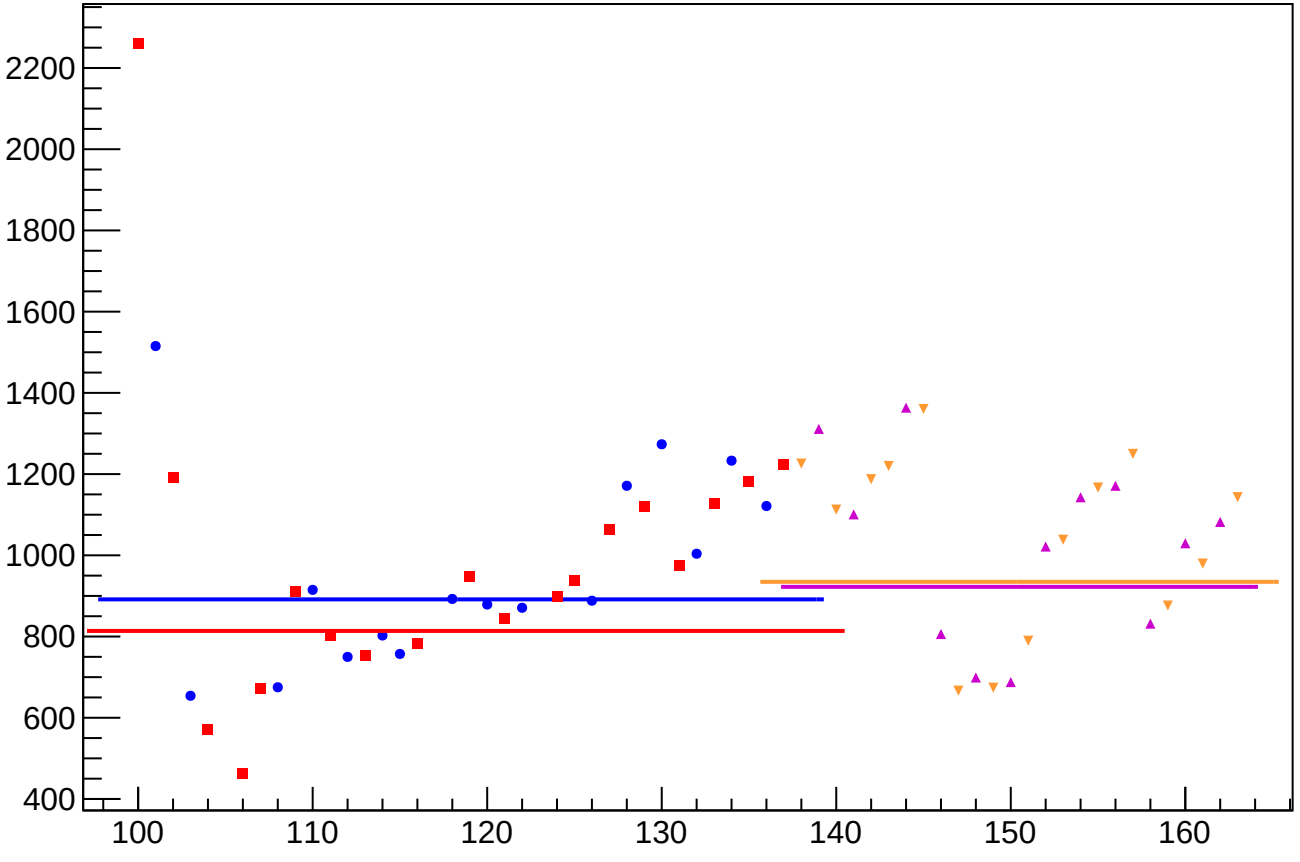
Out: -218.102+/-213.380 χ²/NDF:36.8/32
All: -122.873+/-154.467 χ²/NDF: 60.7/60

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: 934.726+/-0.205 χ^2/NDF:1231030.6/13

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 922.303+/-0.209 χ^2/NDF:1023265.8/11

Left: 928.638+/-0.146 χ^2/NDF: 2256101.3/25

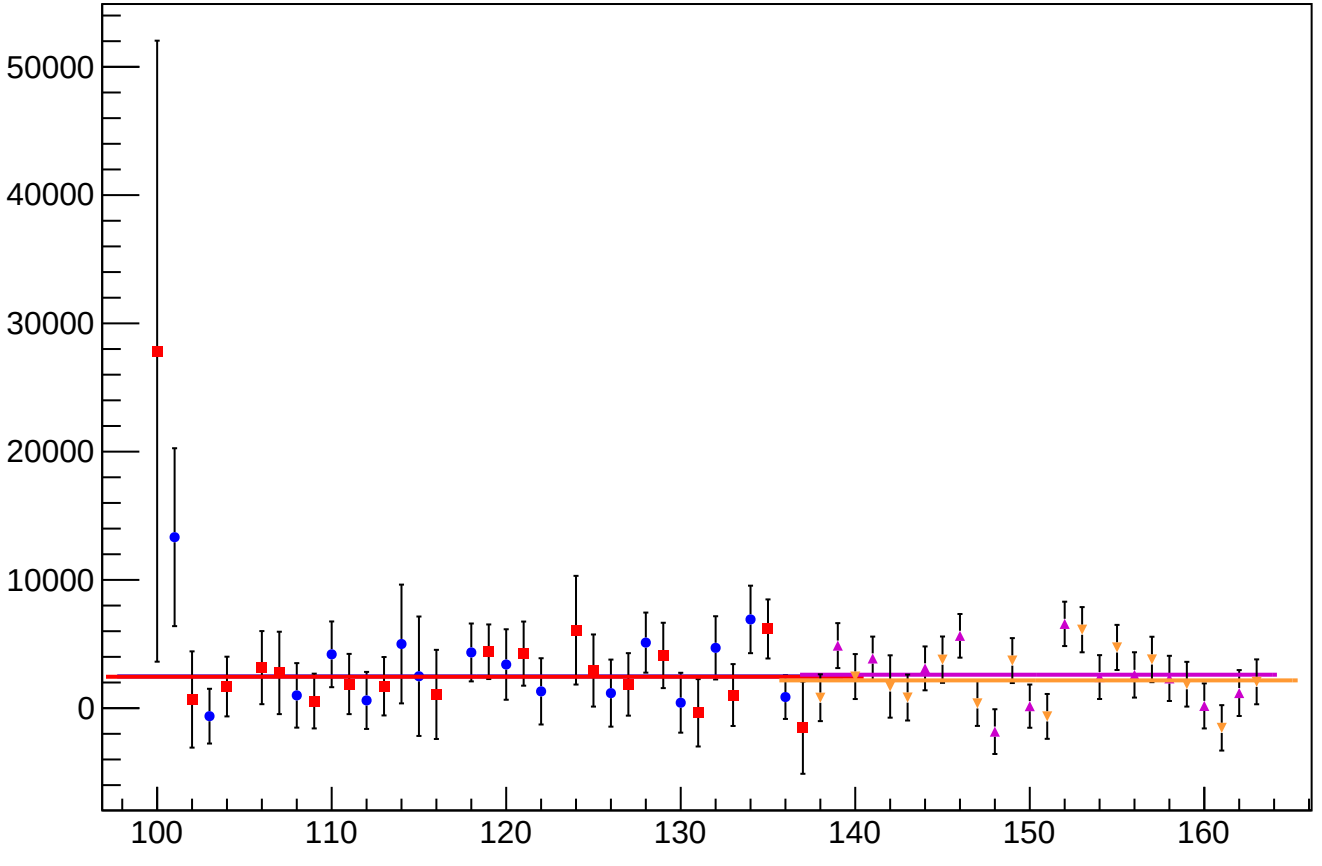
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 909.222+/-0.158 χ^2/NDF:1826154.7/27

Out: 879.503+/-0.151 χ^2/NDF:2443382.1/32

All: 893.648+/-0.109 χ^2/NDF: 4288001.7/60

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2165.769+/-480.587 χ^2/NDF:18.8/13

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2607.953+/-500.458 χ^2/NDF:21.9/11

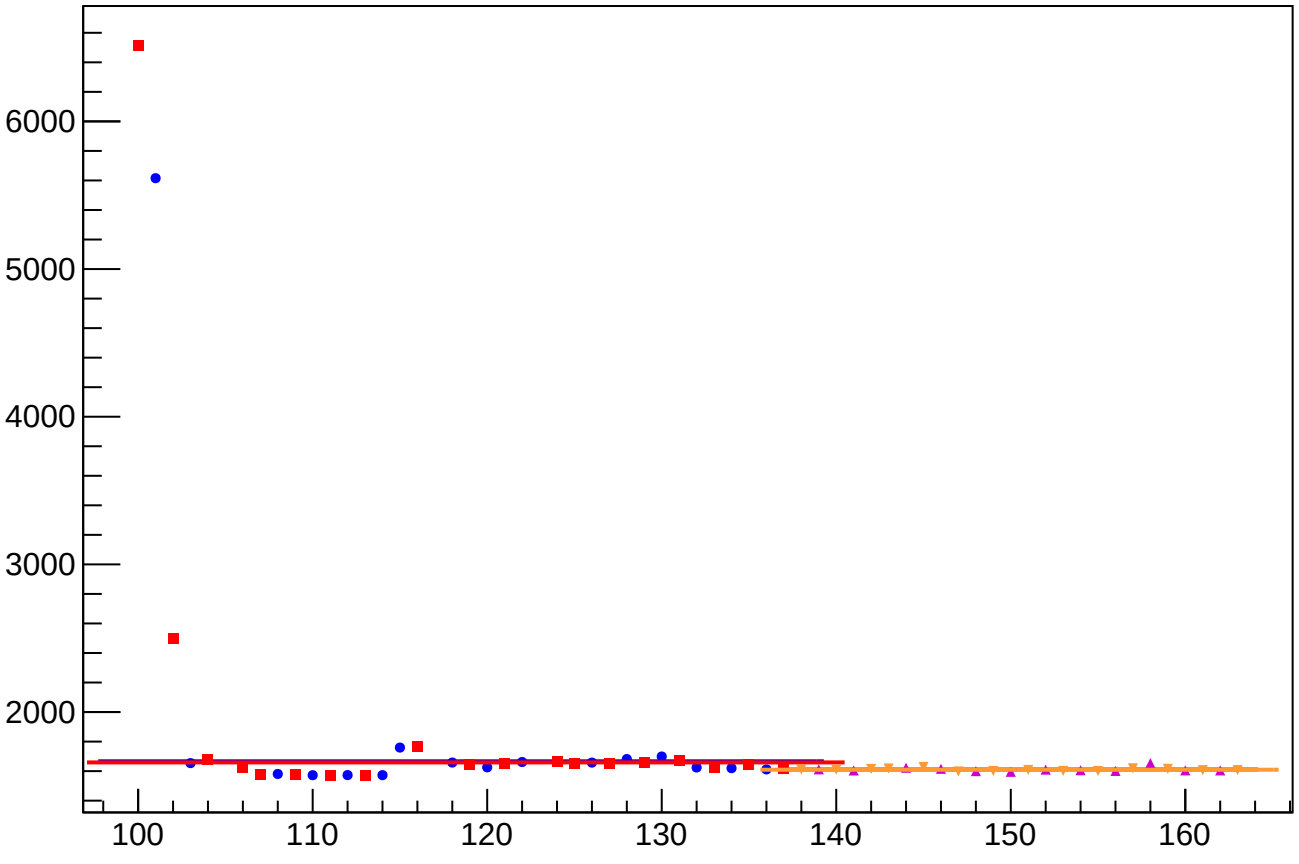
Left: 2377.908+/-346.638 χ^2/NDF: 41.1/25

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2556.988+/-392.790 χ^2/NDF:36.1/27

Out: 2272.624+/-379.268 χ^2/NDF:29.5/32

All: 2409.827+/-272.838 χ^2/NDF: 65.9/60



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1611.048+/-0.354 χ^2/NDF:1721.5/11

Left: 1610.239+/-0.245 χ^2/NDF: 2313.3/25

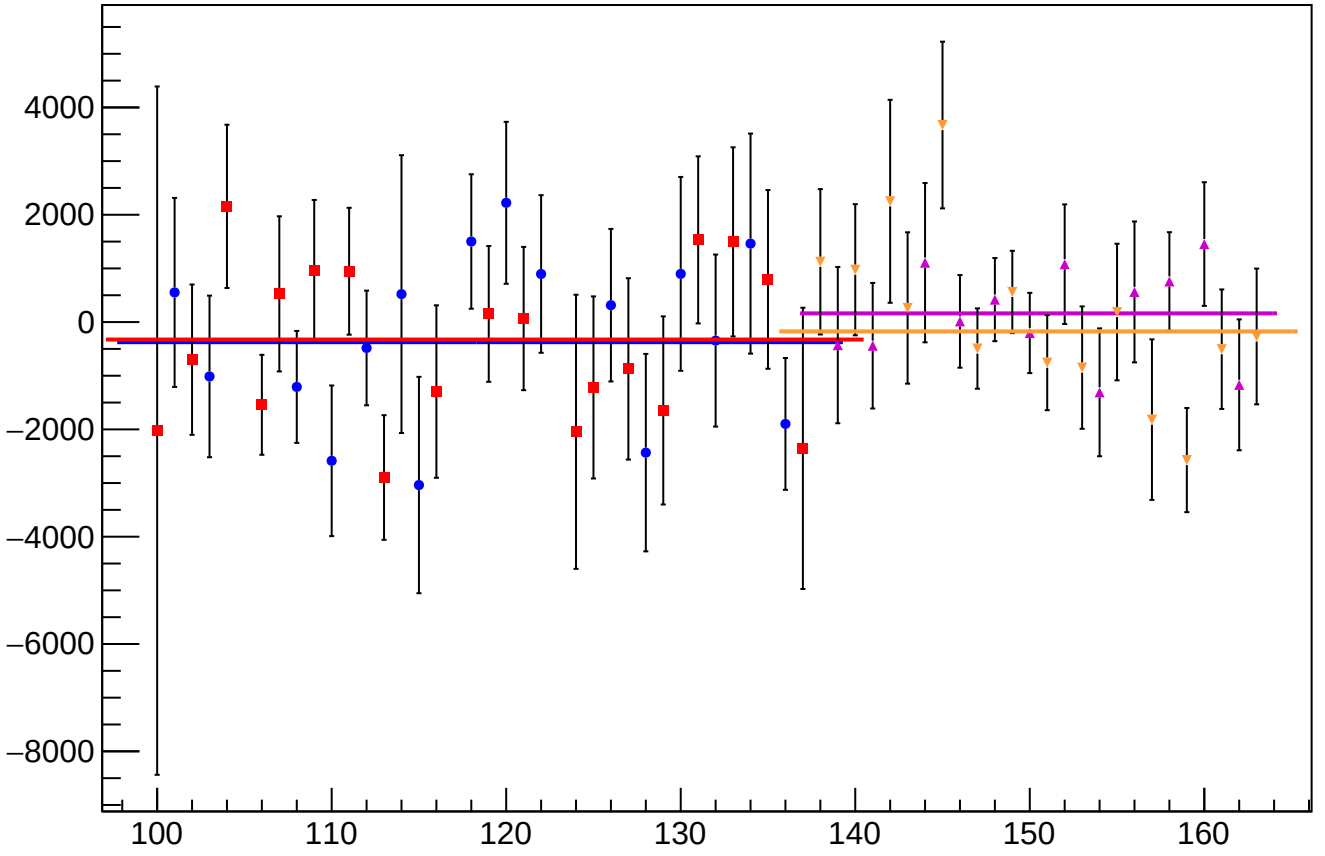
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1632.303+/-0.278 χ^2/NDF:674030.6/27

Out: 1628.169+/-0.268 χ^2/NDF:201812.6/32

All: 1630.163+/-0.193 χ^2/NDF: 875957.9/60

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -173.545+/-294.917 χ^2/NDF:19.0/13

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 162.372+/-299.415 χ^2/NDF:6.4/11

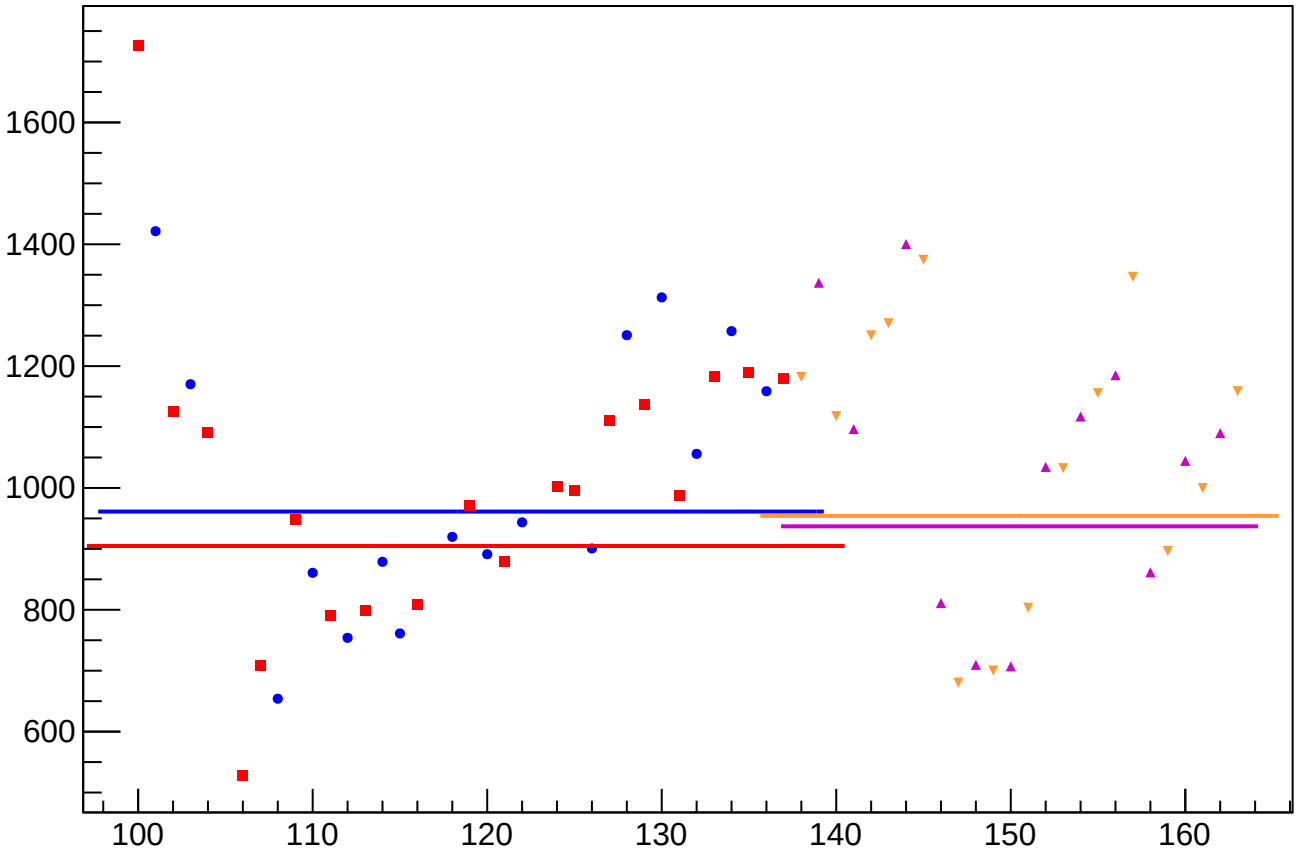
Left: -8.129+/-210.110 χ^2/NDF: 26.1/25

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -51.546+/-232.238 χ^2/NDF:23.4/27

Out: -238.725+/-222.959 χ^2/NDF:36.6/32

All: -148.949+/-160.836 χ^2/NDF: 60.3/60



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 954.149+/-0.209 χ^2/NDF:1193613.7/13

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 937.035+/-0.212 χ^2/NDF:981536.7/11

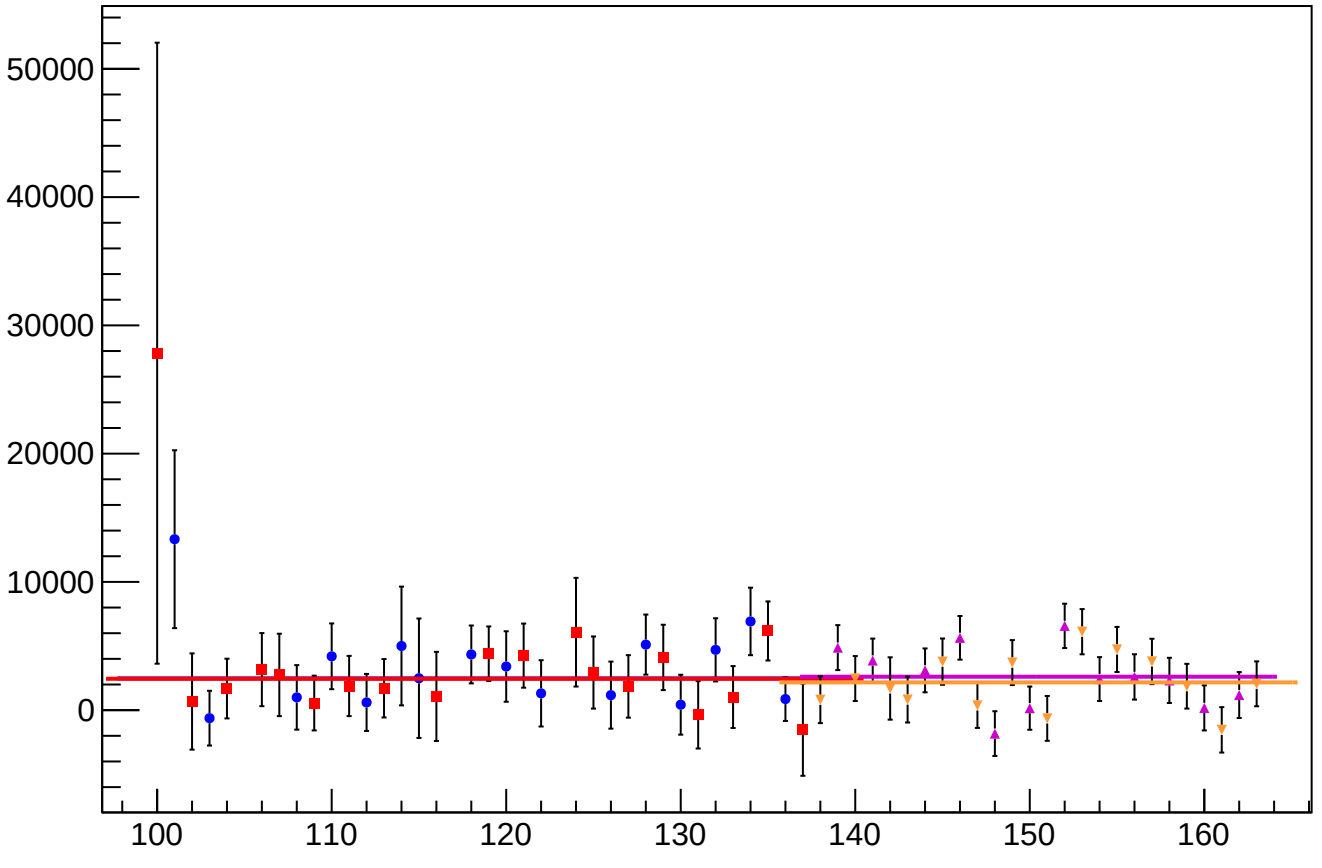
Left: 945.722+/-0.149 χ^2/NDF: 2178466.9/25

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 946.679+/-0.164 χ^2/NDF:1678620.2/27

Out: 932.978+/-0.158 χ^2/NDF:1954154.0/32

All: 939.549+/-0.114 χ^2/NDF: 3636396.6/60



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2165.768+/-480.587 χ^2/NDF:18.8/13

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2607.953+/-500.458 χ^2/NDF:21.9/11

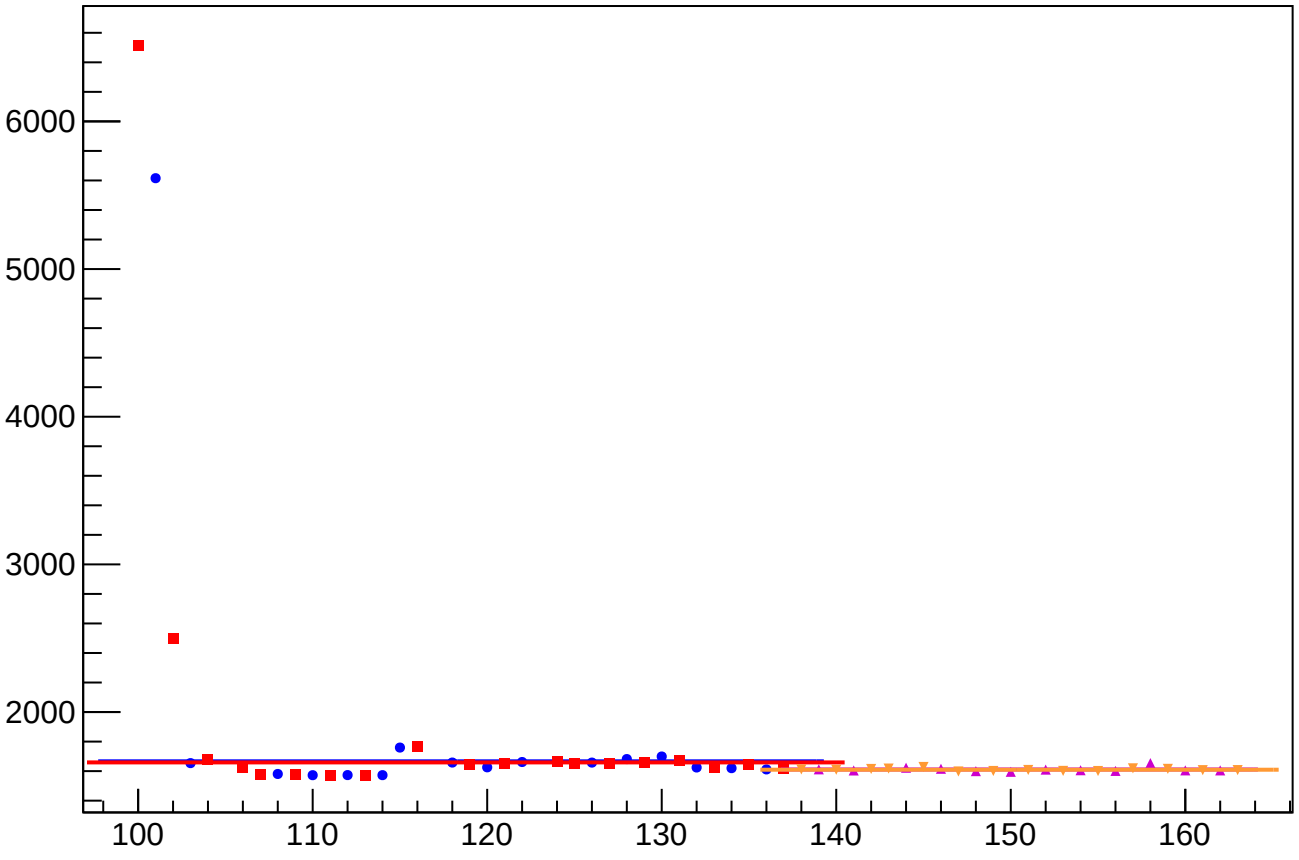
Left: 2377.908+/-346.638 χ^2/NDF: 41.1/25

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2556.988+/-392.790 χ^2/NDF:36.1/27

Out: 2272.623+/-379.268 χ^2/NDF:29.5/32

All: 2409.827+/-272.838 χ^2/NDF: 65.9/60



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.492+/-0.340 χ^2/NDF:581.6/13

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1611.048+/-0.354 χ^2/NDF:1721.6/11

Left: 1610.239+/-0.245 χ^2/NDF: 2313.3/25

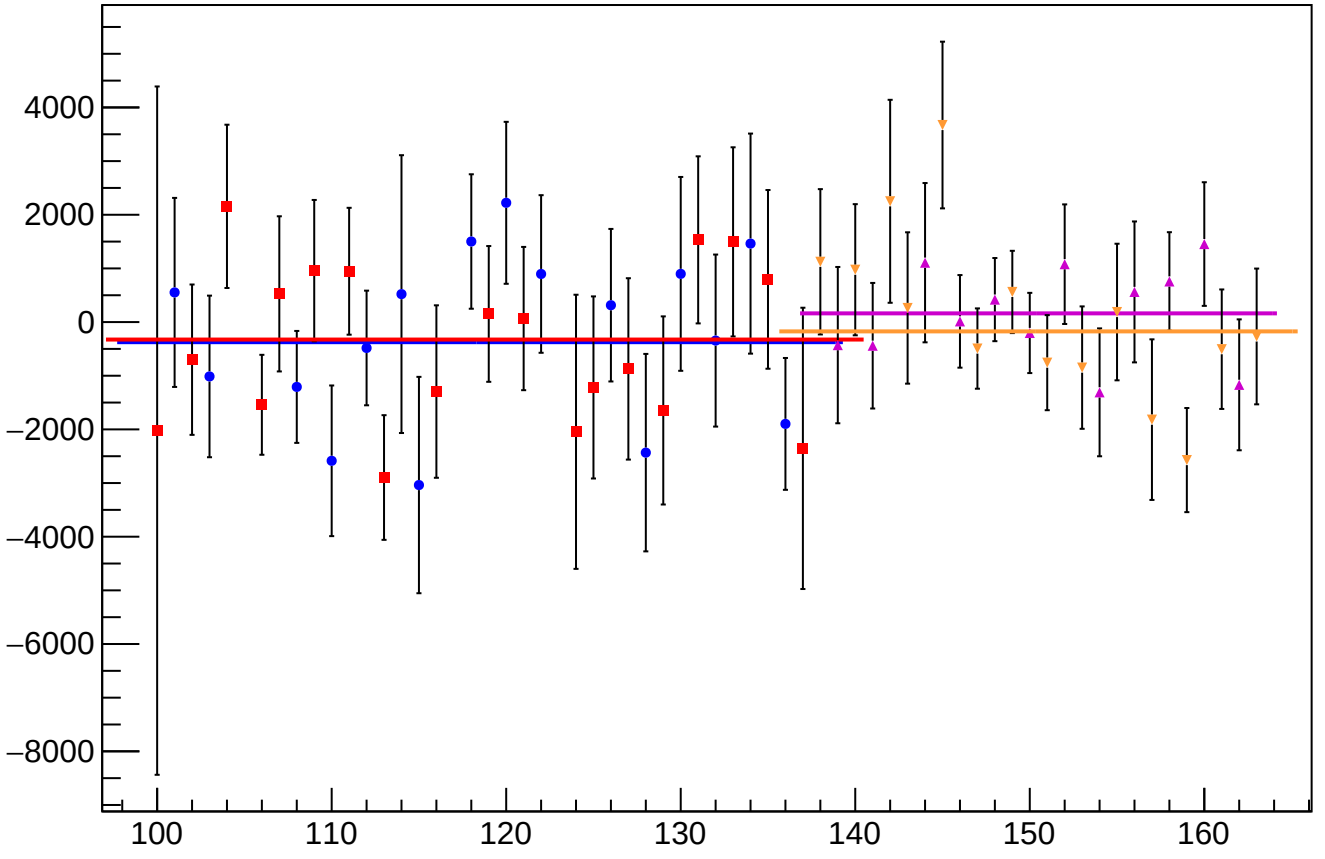
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1632.303+/-0.278 χ^2/NDF:674030.6/27

Out: 1628.169+/-0.268 χ^2/NDF:201812.4/32

All: 1630.163+/-0.193 χ^2/NDF: 875957.6/60

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: -173.547+/-294.918 χ^2/NDF:19.0/13

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 162.373+/-299.415 χ^2/NDF:6.4/11

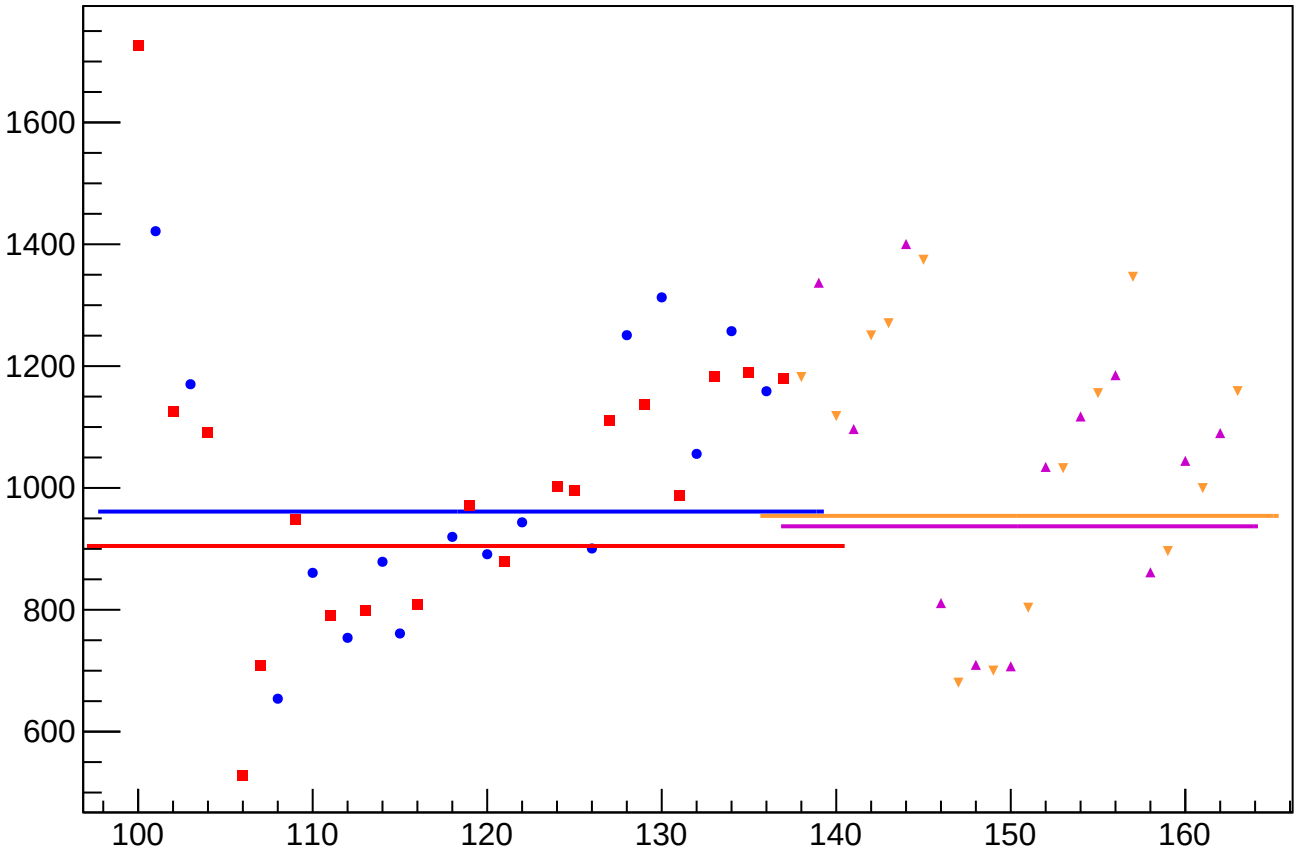
Left: -8.129+/-210.110 χ^2/NDF: 26.1/25

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -51.546+/-232.238 χ^2/NDF:23.4/27

Out: -238.725+/-222.959 χ^2/NDF:36.6/32

All: -148.950+/-160.836 χ^2/NDF: 60.3/60



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 954.151+/-0.209 χ^2/NDF:1193616.4/13

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 937.037+/-0.212 χ^2/NDF:981539.6/11

Left: 945.723+/-0.149 χ^2/NDF: 2178472.5/25

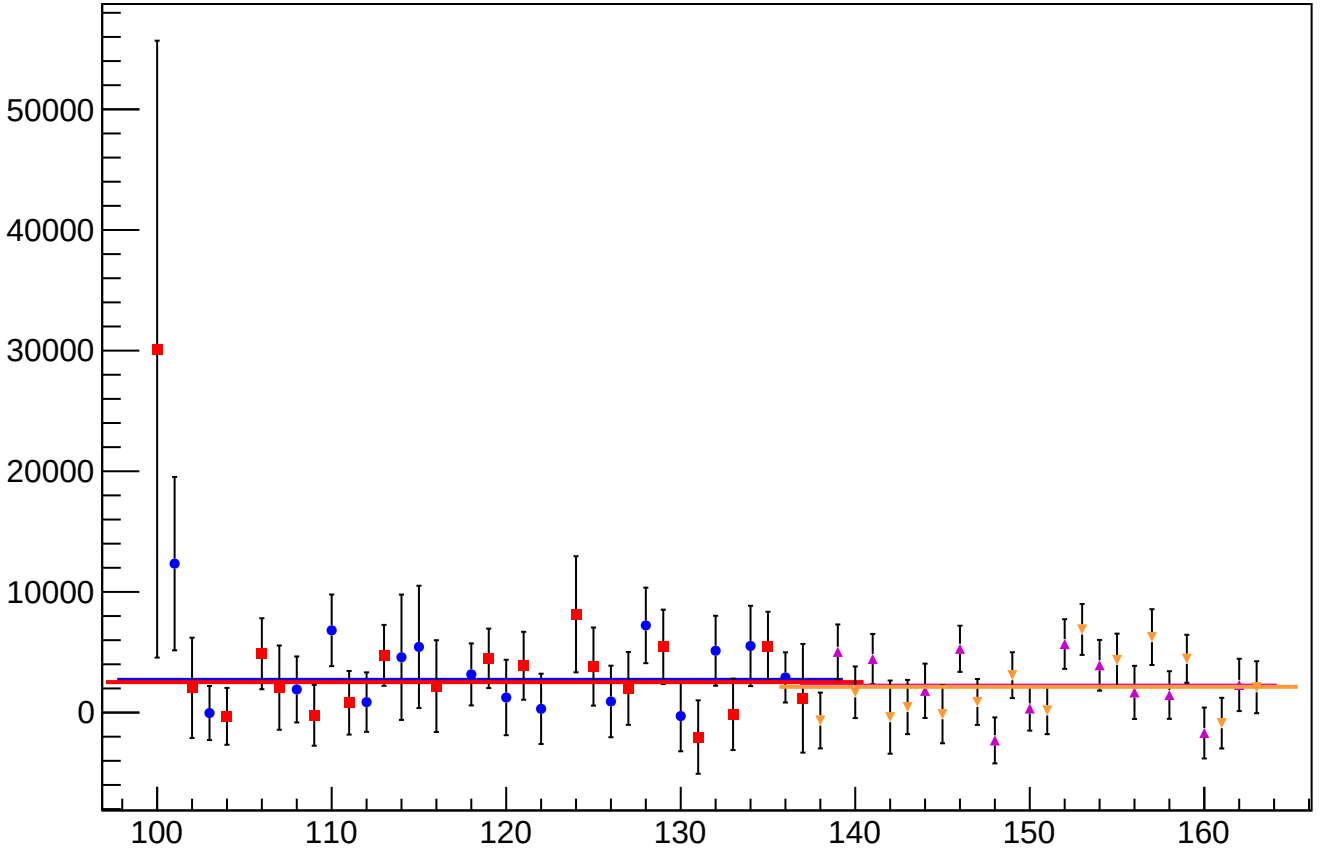
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 946.679+/-0.164 χ^2/NDF:1678628.7/27

Out: 932.978+/-0.158 χ^2/NDF:1954158.5/32

All: 939.549+/-0.114 χ^2/NDF: 3636409.5/60

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2134.425+/-576.380 χ^2/NDF:18.0/13

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2232.139+/-594.313 χ^2/NDF:19.1/11

Left: 2181.786+/-413.757 χ^2/NDF: 37.1/25

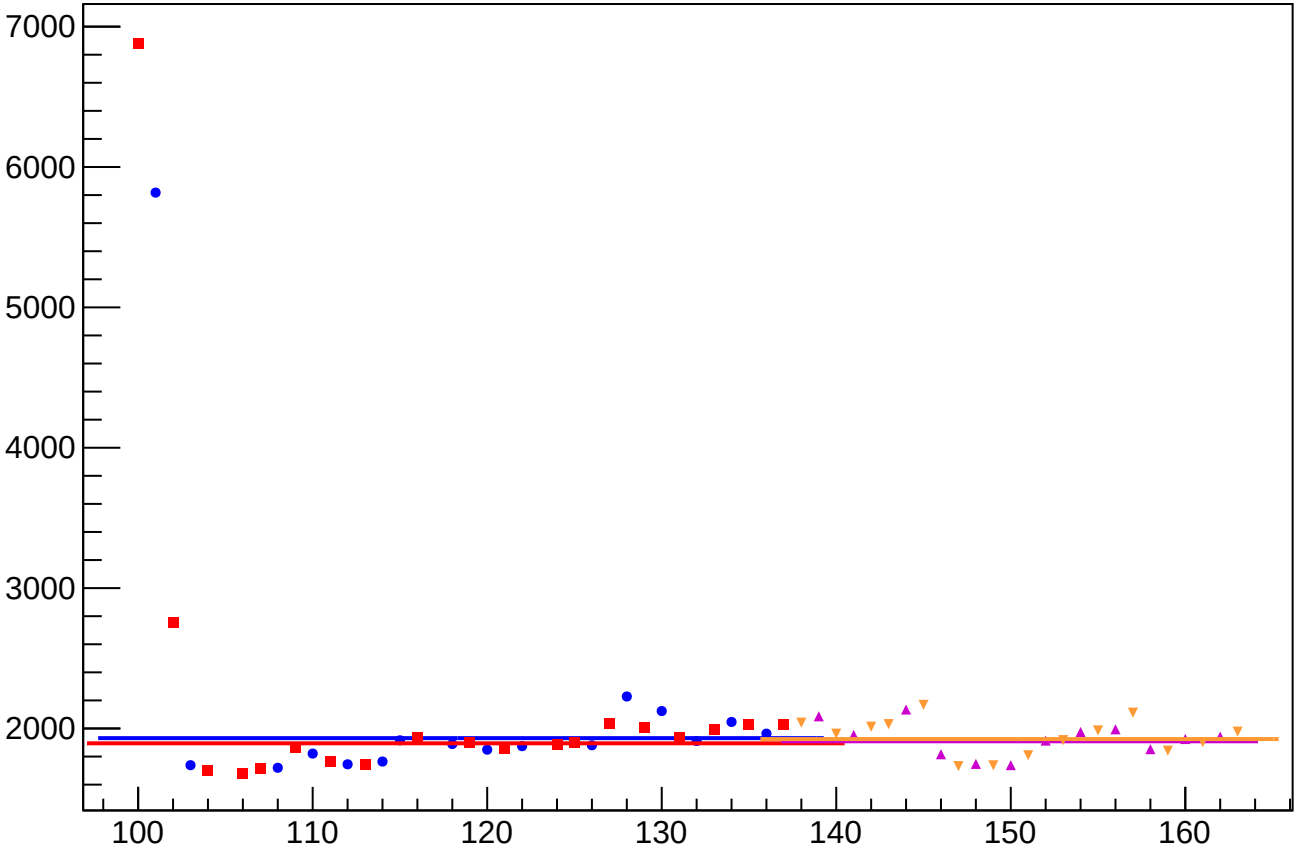
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2421.579+/-462.160 χ^2/NDF:31.5/27

Out: 2290.729+/-446.596 χ^2/NDF:31.4/32

All: 2353.914+/-321.152 χ^2/NDF: 63.0/60

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1924.560+/-0.408 χ^2/NDF:98743.8/13

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1908.783+/-0.420 χ^2/NDF:76718.4/11

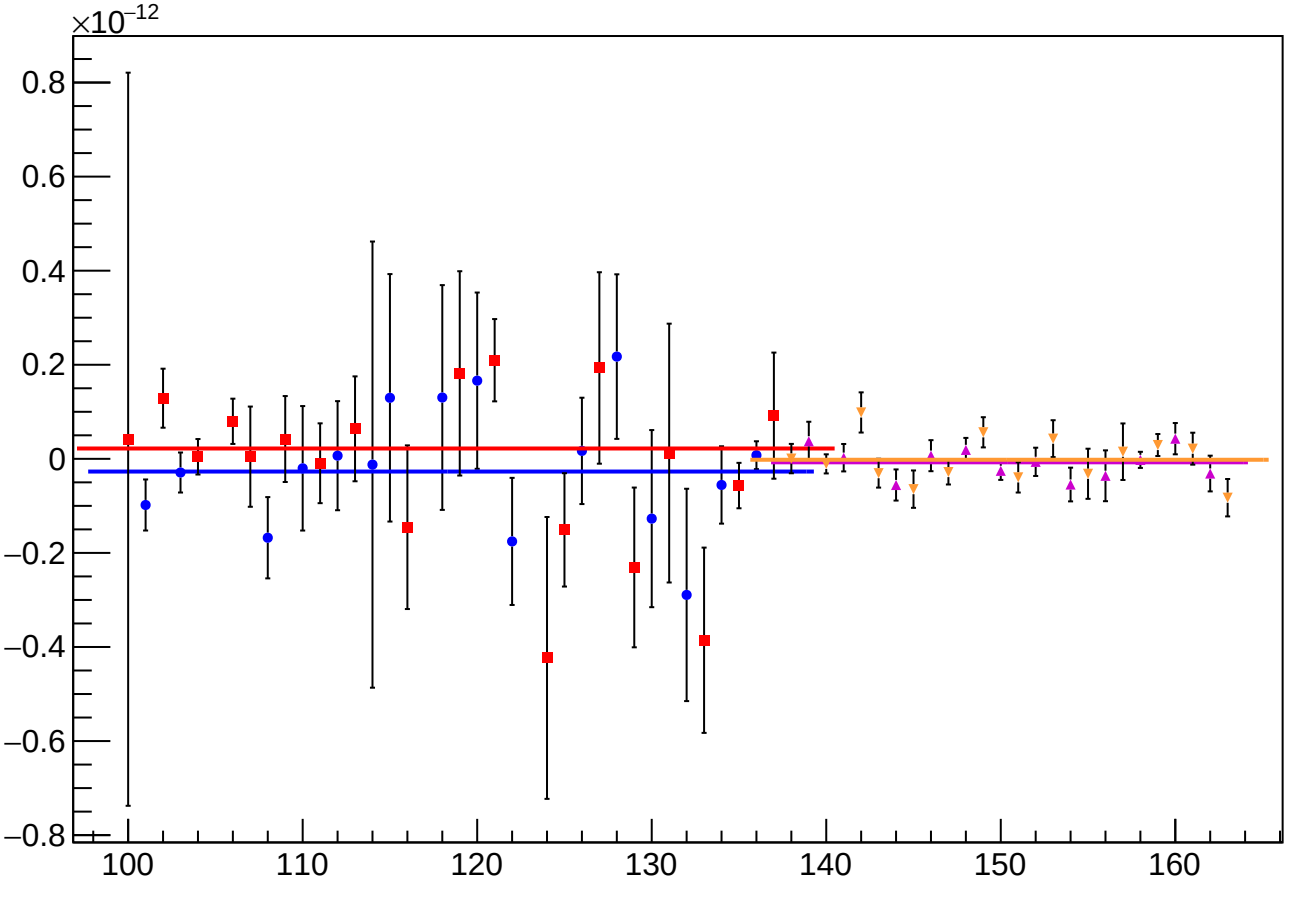
Left: 1916.913+/-0.293 χ^2/NDF: 176188.4/25

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1917.664+/-0.327 χ^2/NDF:739075.3/27

Out: 1912.486+/-0.316 χ^2/NDF:321480.7/32

All: 1914.986+/-0.227 χ^2/NDF: 1060685.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/11

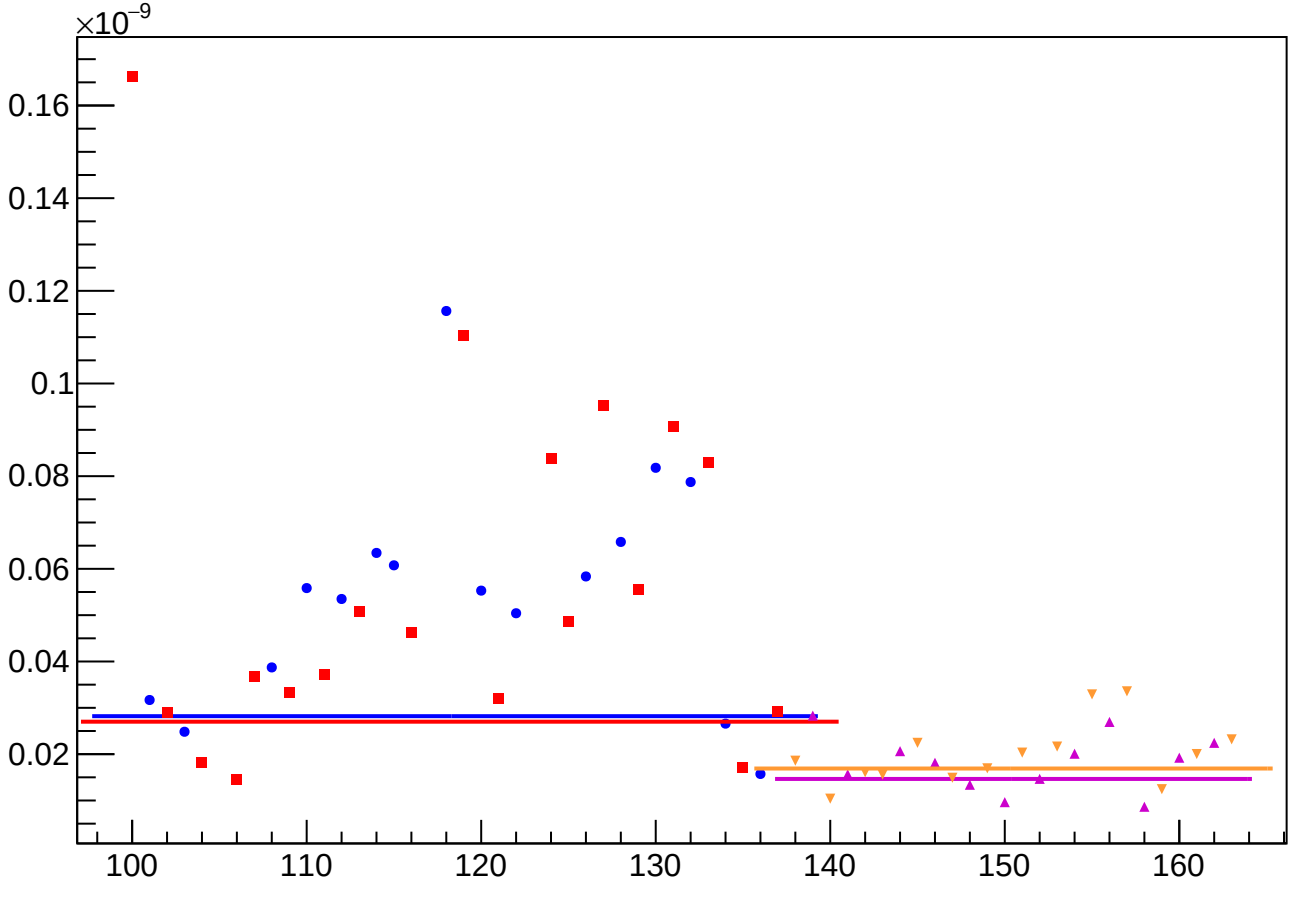
Left: -0.000+/-0.000 χ^2/NDF: 33.3/25

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:23.9/27

Out: 0.000+/-0.000 χ^2/NDF:49.5/32

All: -0.000+/-0.000 χ^2/NDF: 74.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:791251.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:963741.5/11

Left: 0.000+/-0.000 χ^2/NDF: 1827471.6/25

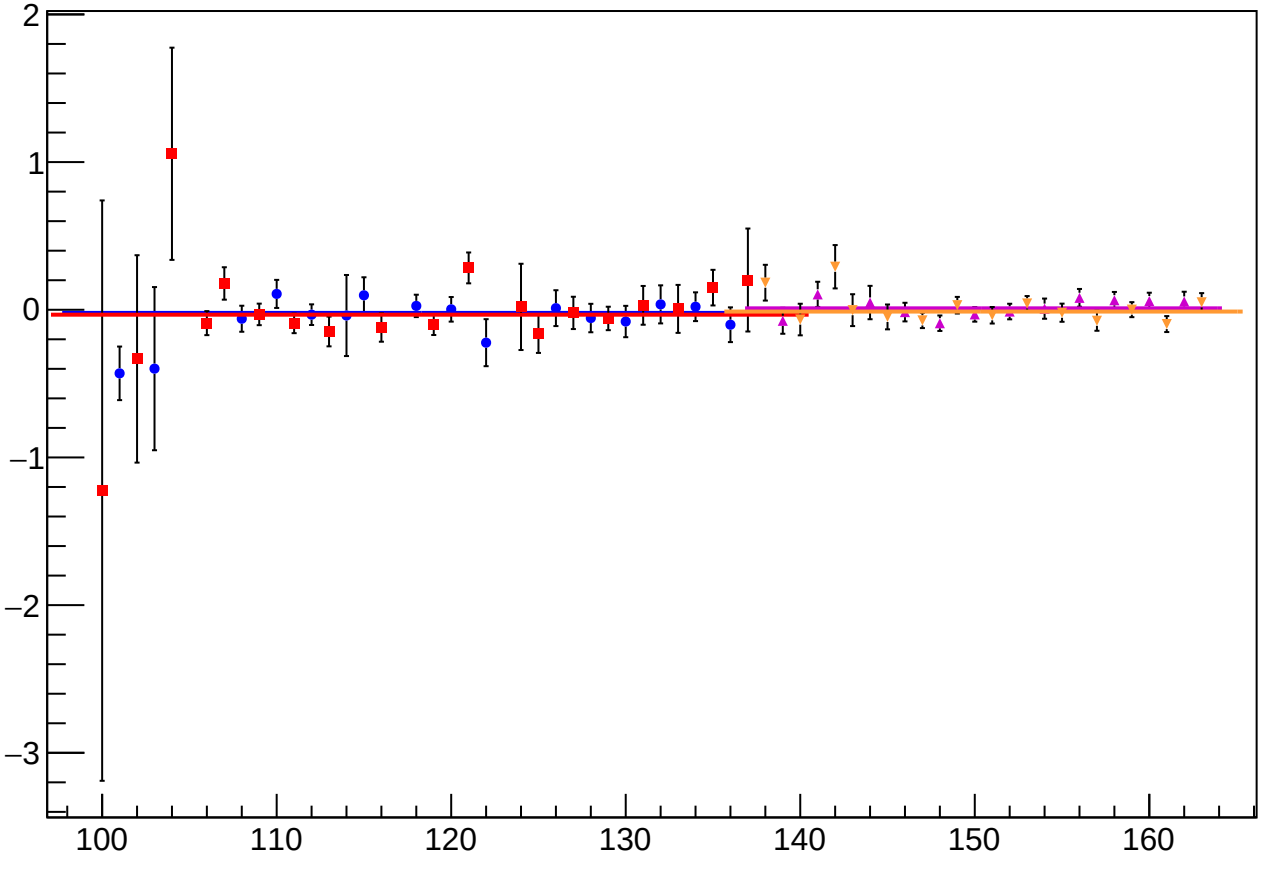
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3300327.6/27

Out: 0.000+/-0.000 χ^2/NDF:2803170.9/32

All: 0.000+/-0.000 χ^2/NDF: 6160052.2/60

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.010+/-0.018 χ^2/NDF:10.6/11

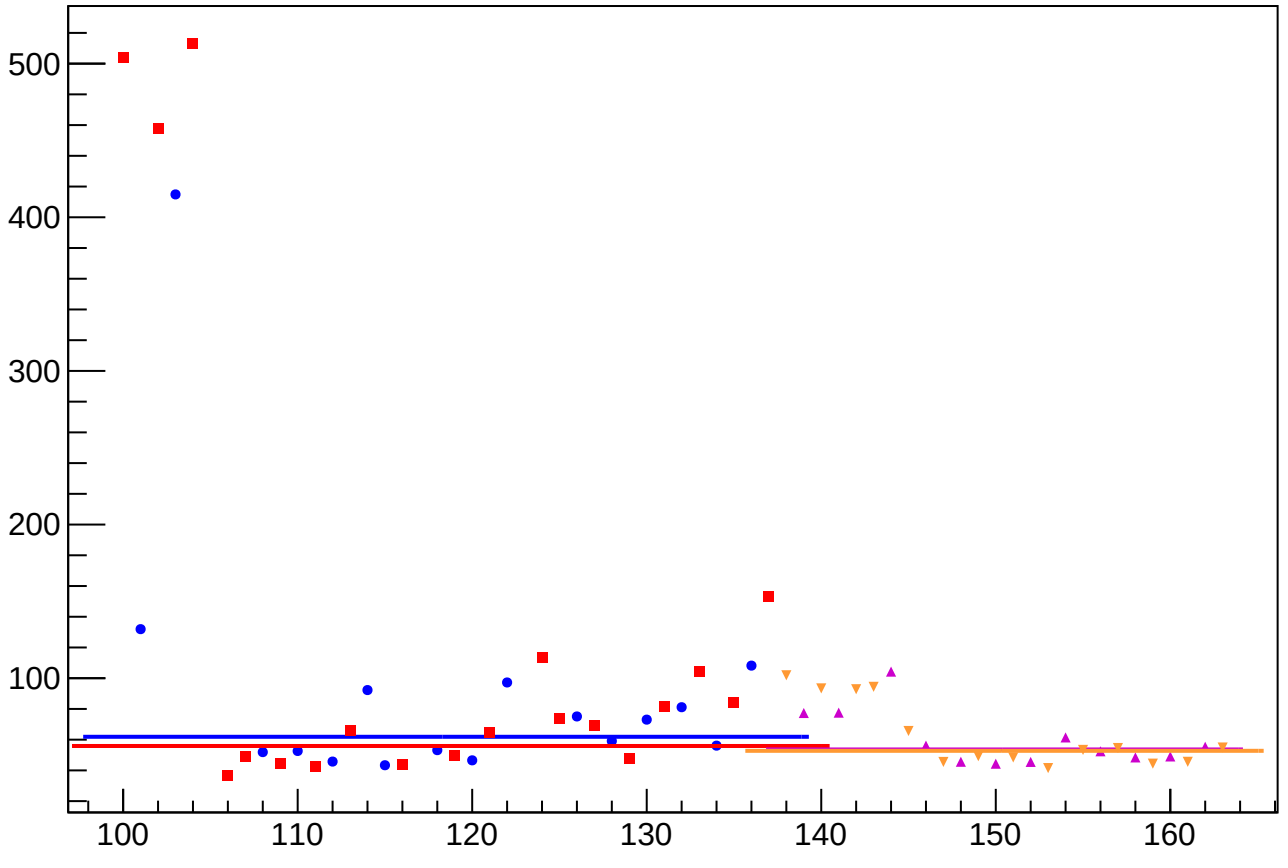
Left: -0.002+/-0.013 χ^2/NDF: 26.3/25

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.000+/-0.015 χ^2/NDF:23.5/27

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.010+/-0.010 χ^2/NDF: 64.3/60



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363418.0/13

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.629+/-0.013 χ^2/NDF:931541.6/11

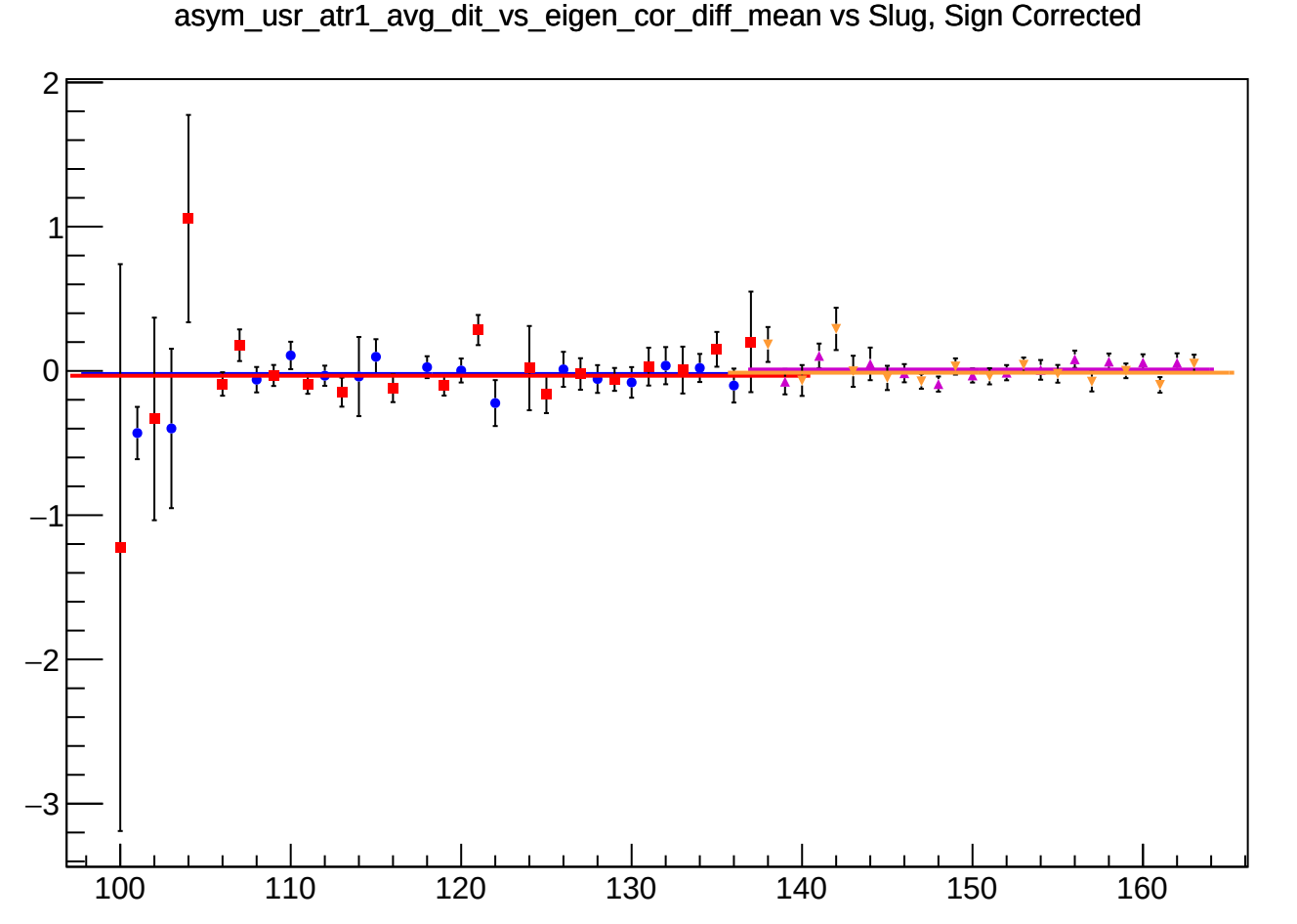
Left: 53.172+/-0.009 χ^2/NDF: 2297456.7/25

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.228+/-0.011 χ^2/NDF:3001576.1/27

Out: 53.795+/-0.010 χ^2/NDF:3976458.7/32

All: 54.953+/-0.007 χ^2/NDF: 7005952.6/60



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.010+/-0.018 χ^2/NDF:10.6/11

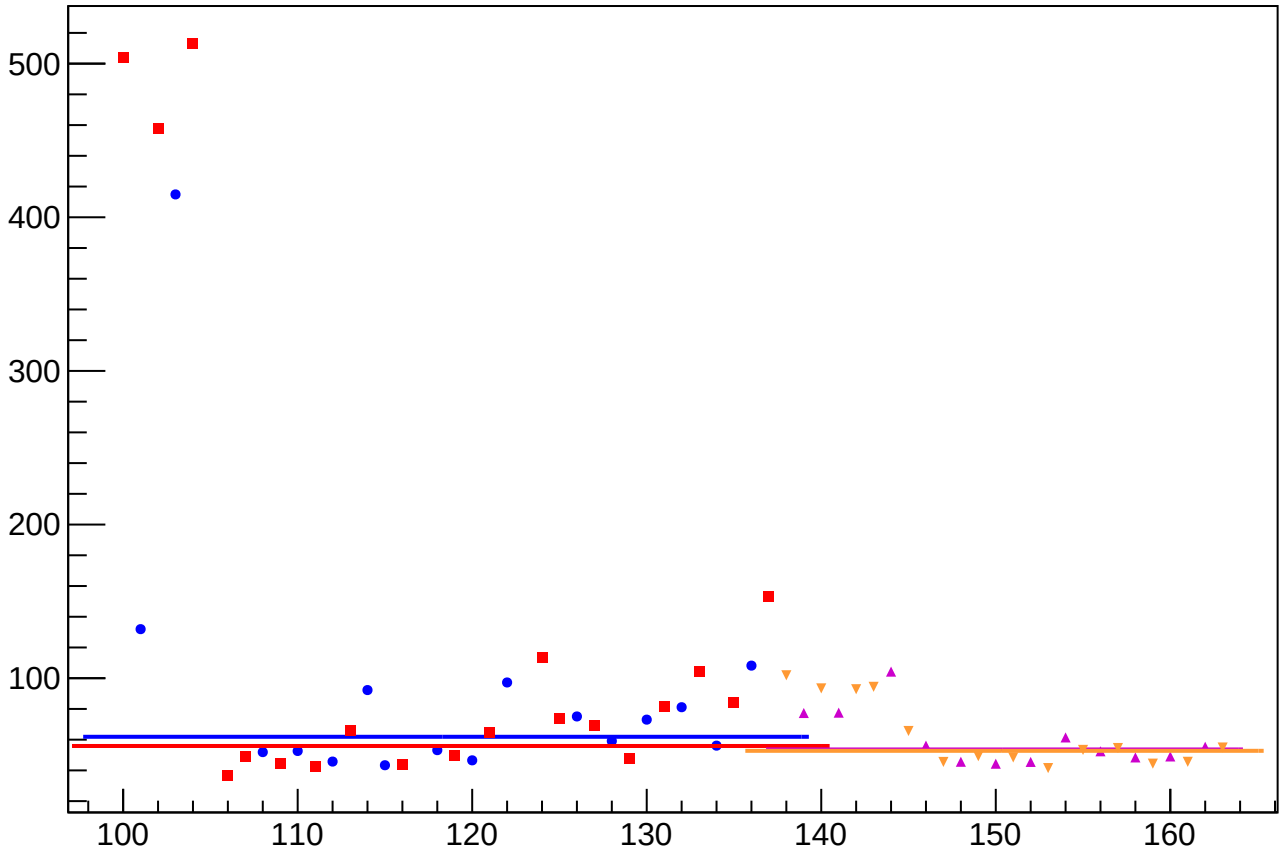
Left: -0.002+/-0.013 χ^2/NDF: 26.3/25

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.000+/-0.015 χ^2/NDF:23.5/27

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.010+/-0.010 χ^2/NDF: 64.3/60



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363418.0/13

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 53.629+/-0.013 χ^2/NDF:931541.6/11

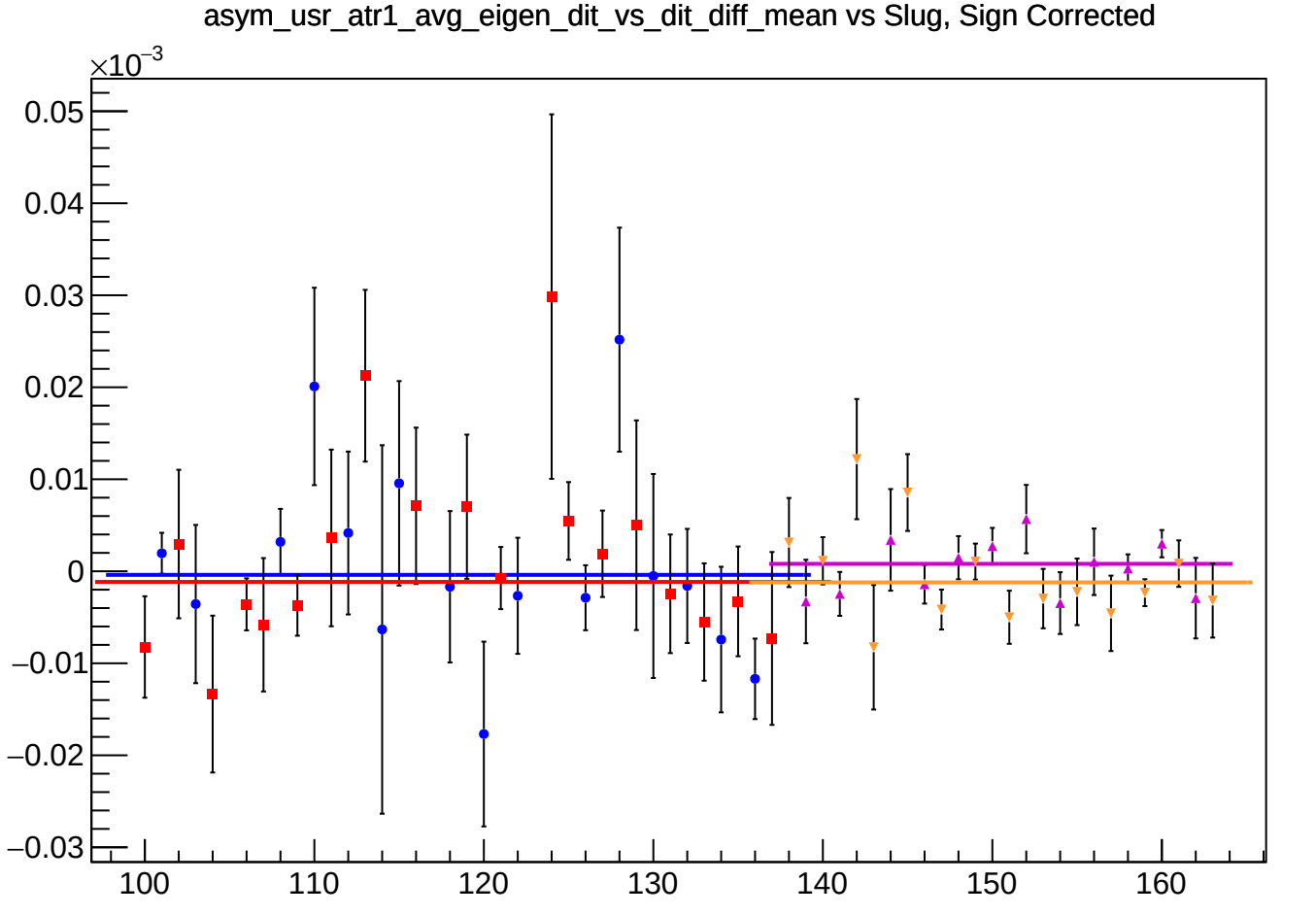
Left: 53.172+/-0.009 χ^2/NDF: 2297456.7/25

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.228+/-0.011 χ^2/NDF:3001576.1/27

Out: 53.795+/-0.010 χ^2/NDF:3976458.7/32

All: 54.953+/-0.007 χ^2/NDF: 7005952.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.4/11

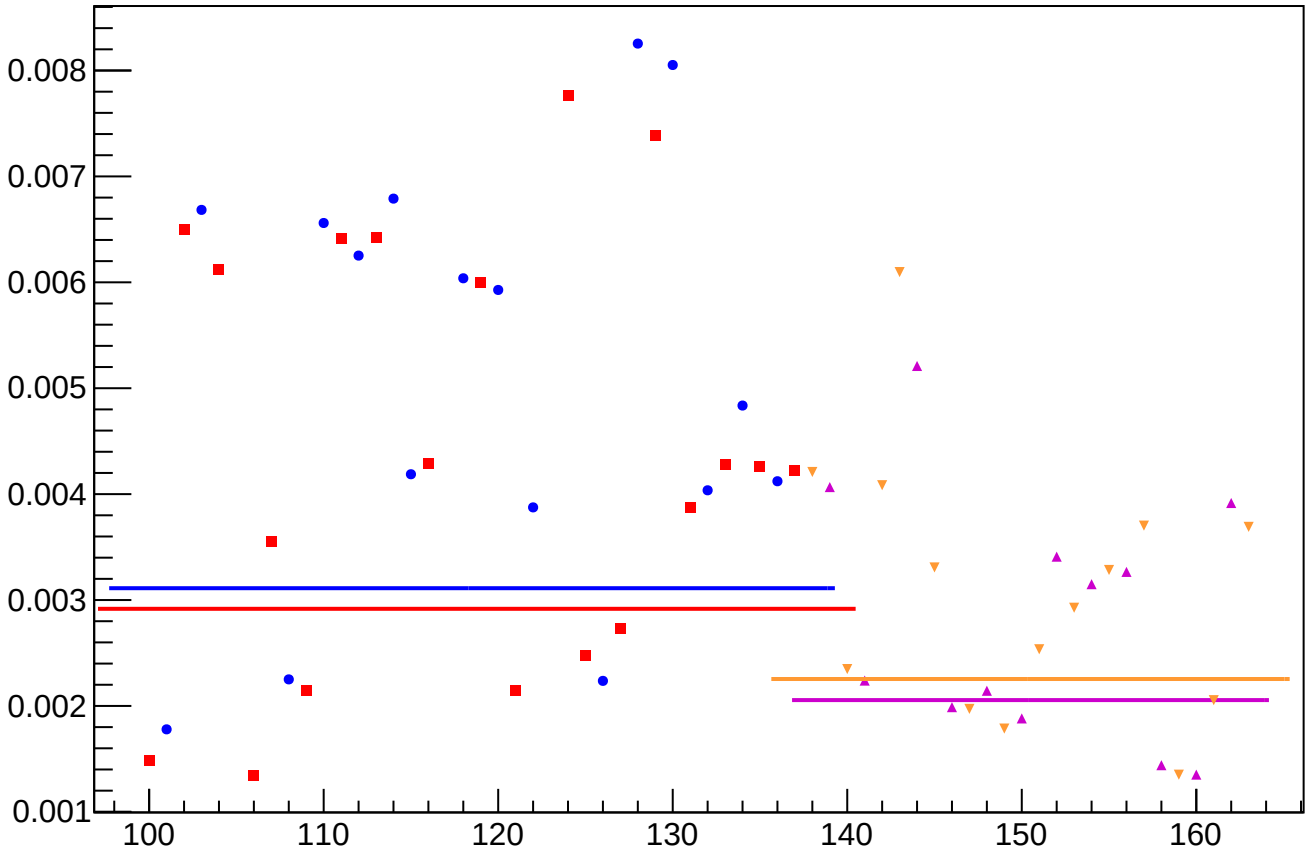
Left: -0.000+/-0.000 χ^2/NDF: 35.1/25

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.6/27

Out: -0.000+/-0.000 χ^2/NDF:40.3/32

All: -0.000+/-0.000 χ^2/NDF: 78.8/60



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:2953582.5/13

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2905833.0/11

Left: 0.002+/-0.000 χ^2/NDF: 5936097.0/25

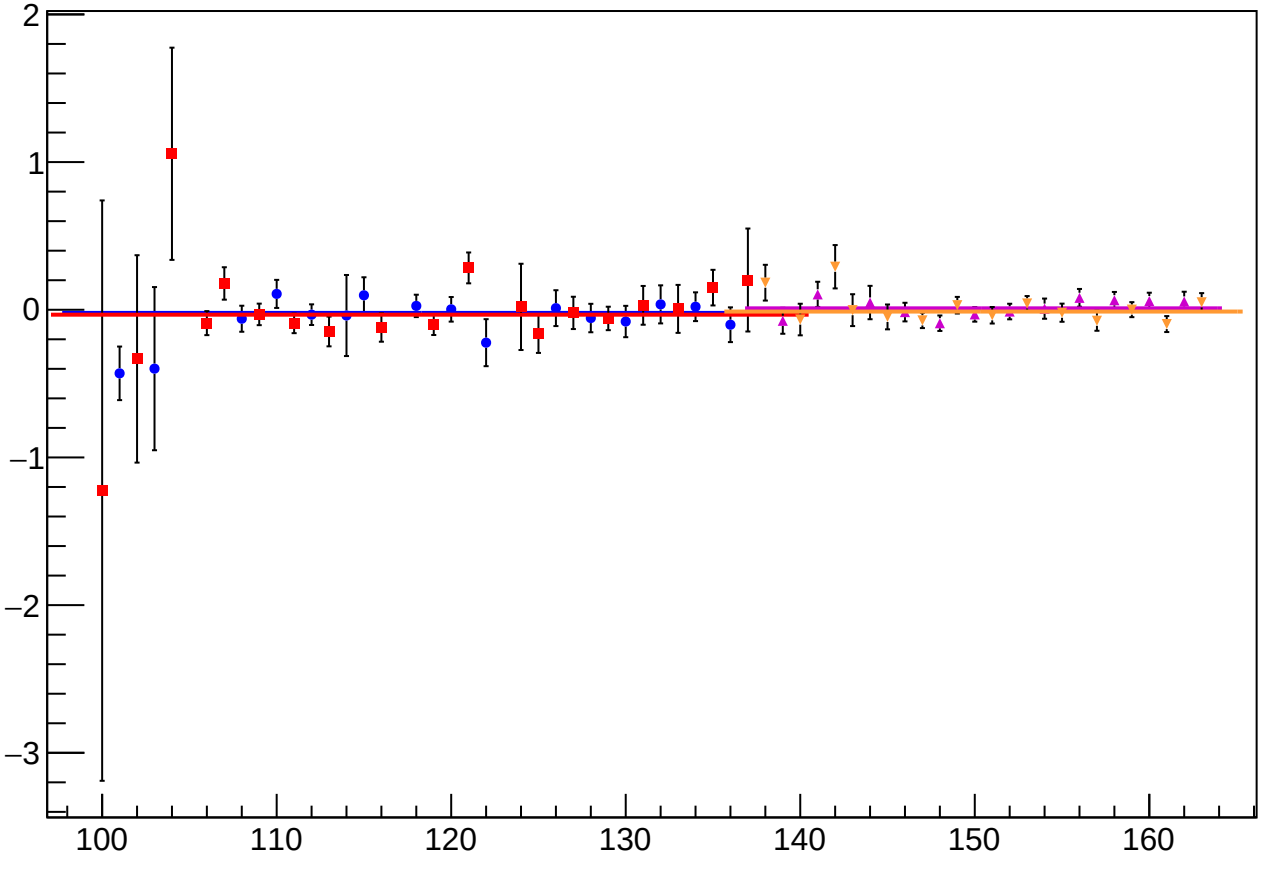
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:7180259.5/27

Out: 0.002+/-0.000 χ^2/NDF:6663163.9/32

All: 0.002+/-0.000 χ^2/NDF: 13897746.1/60

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.010+/-0.018 χ^2/NDF:10.6/11

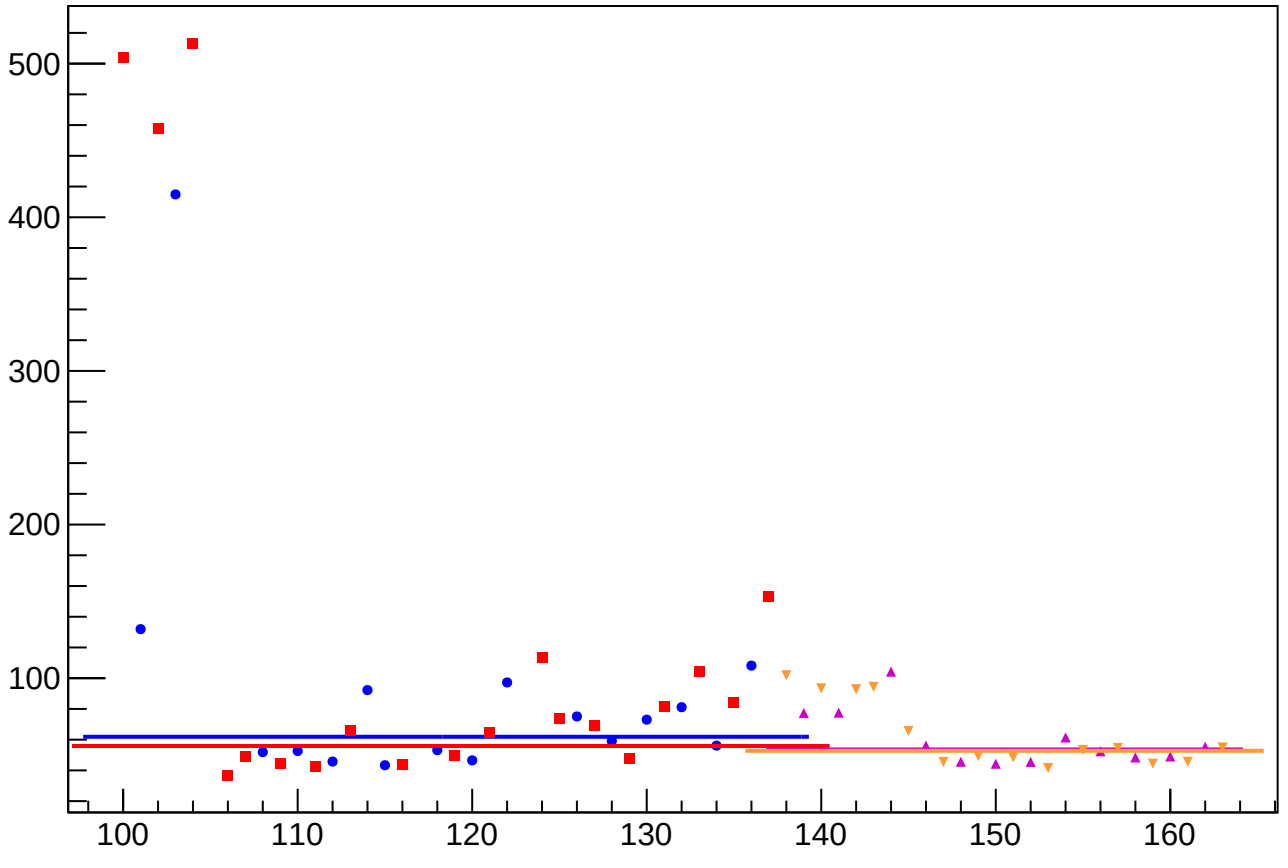
Left: -0.002+/-0.013 χ^2/NDF: 26.3/25

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.000+/-0.015 χ^2/NDF:23.5/27

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.010+/-0.010 χ^2/NDF: 64.3/60



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363450.9/13

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.630+/-0.013 χ^2/NDF:931525.5/11

Left: 53.172+/-0.009 χ^2/NDF: 2297474.9/25

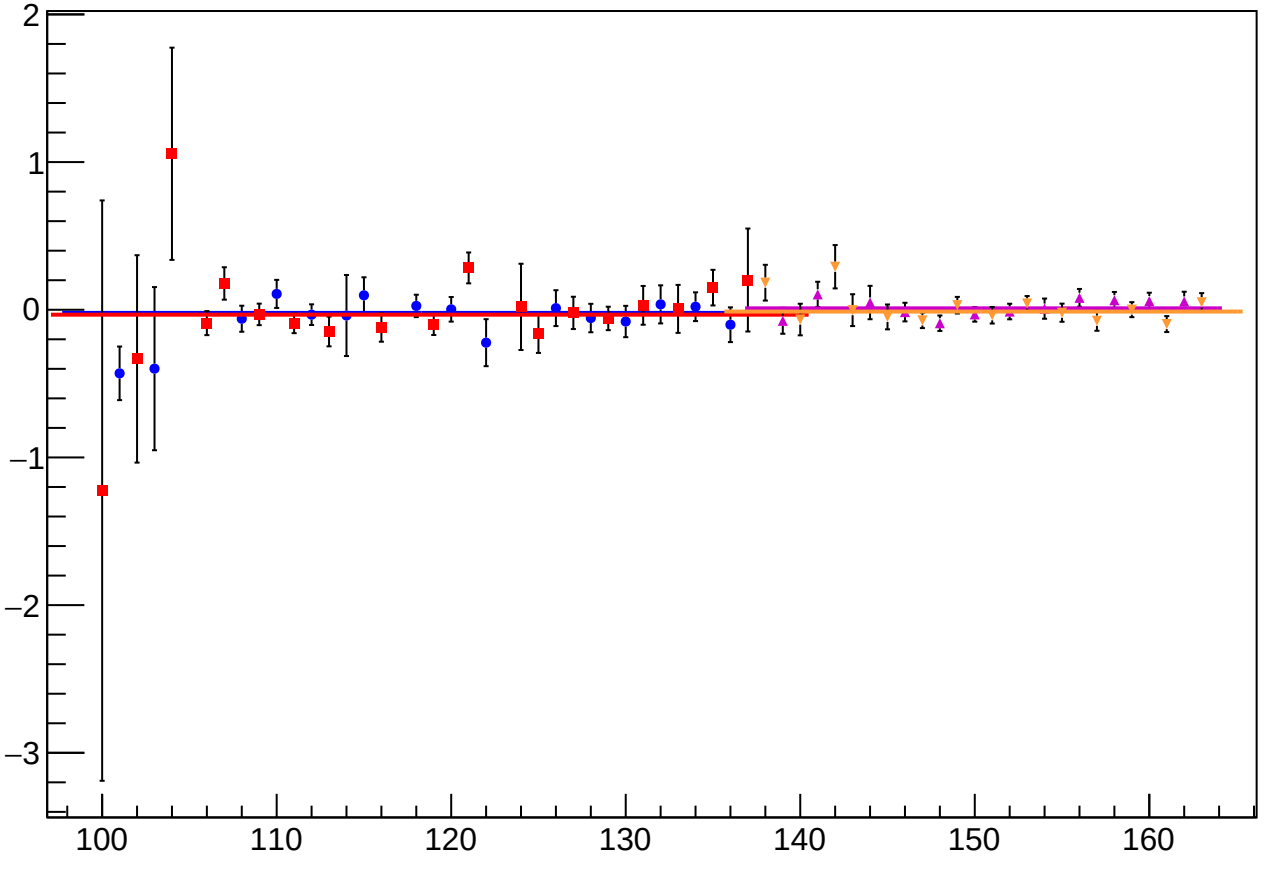
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.228+/-0.011 χ^2/NDF:3001487.0/27

Out: 53.794+/-0.010 χ^2/NDF:3976440.7/32

All: 54.953+/-0.007 χ^2/NDF: 7005851.7/60

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.012+/-0.017 χ^2/NDF:15.0/13

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: 0.010+/-0.018 χ^2/NDF:10.6/11

Left: -0.002+/-0.013 χ^2/NDF: 26.3/25

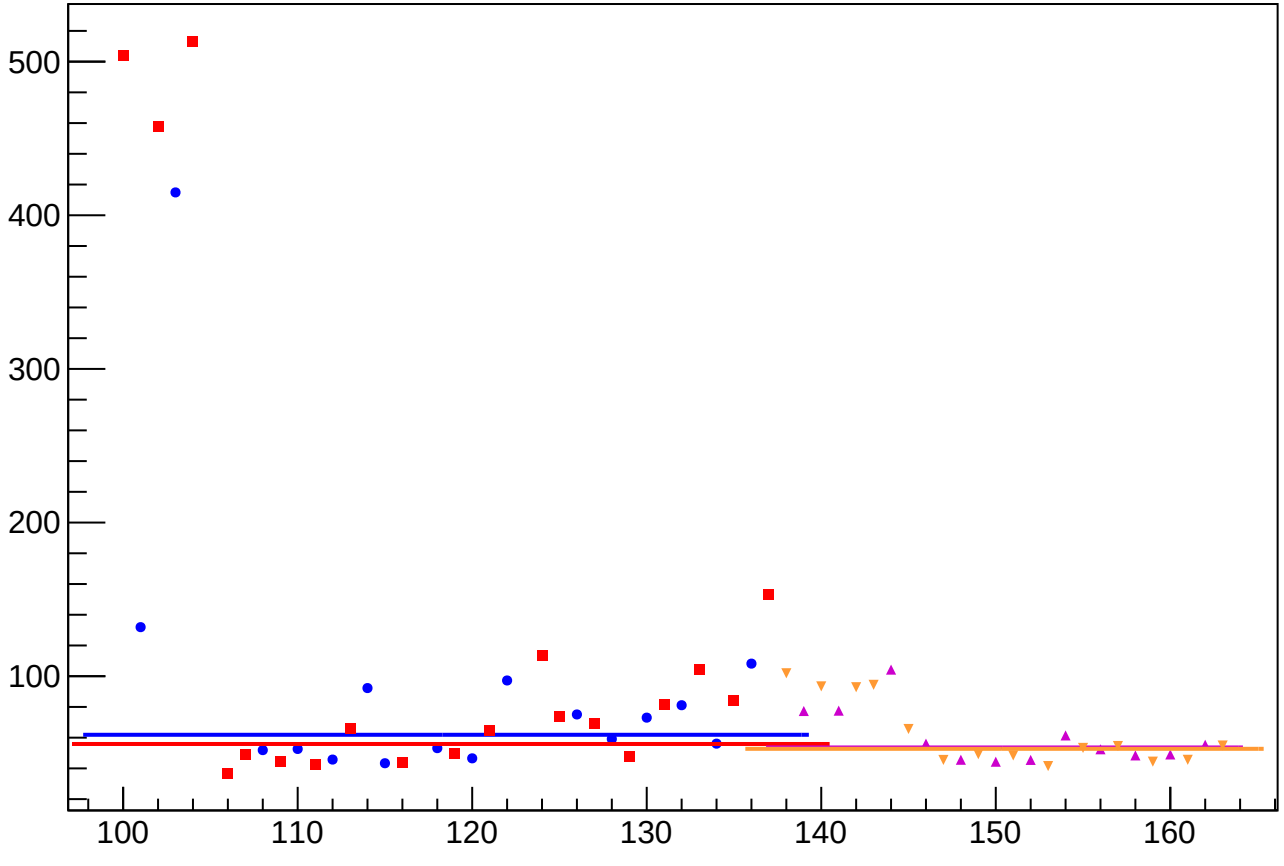
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.000+/-0.015 χ^2/NDF:23.5/27

Out: -0.019+/-0.014 χ^2/NDF:39.9/32

All: -0.010+/-0.010 χ^2/NDF: 64.3/60

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 52.744+/-0.012 χ^2/NDF:1363450.9/13

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 53.630+/-0.013 χ^2/NDF:931525.5/11

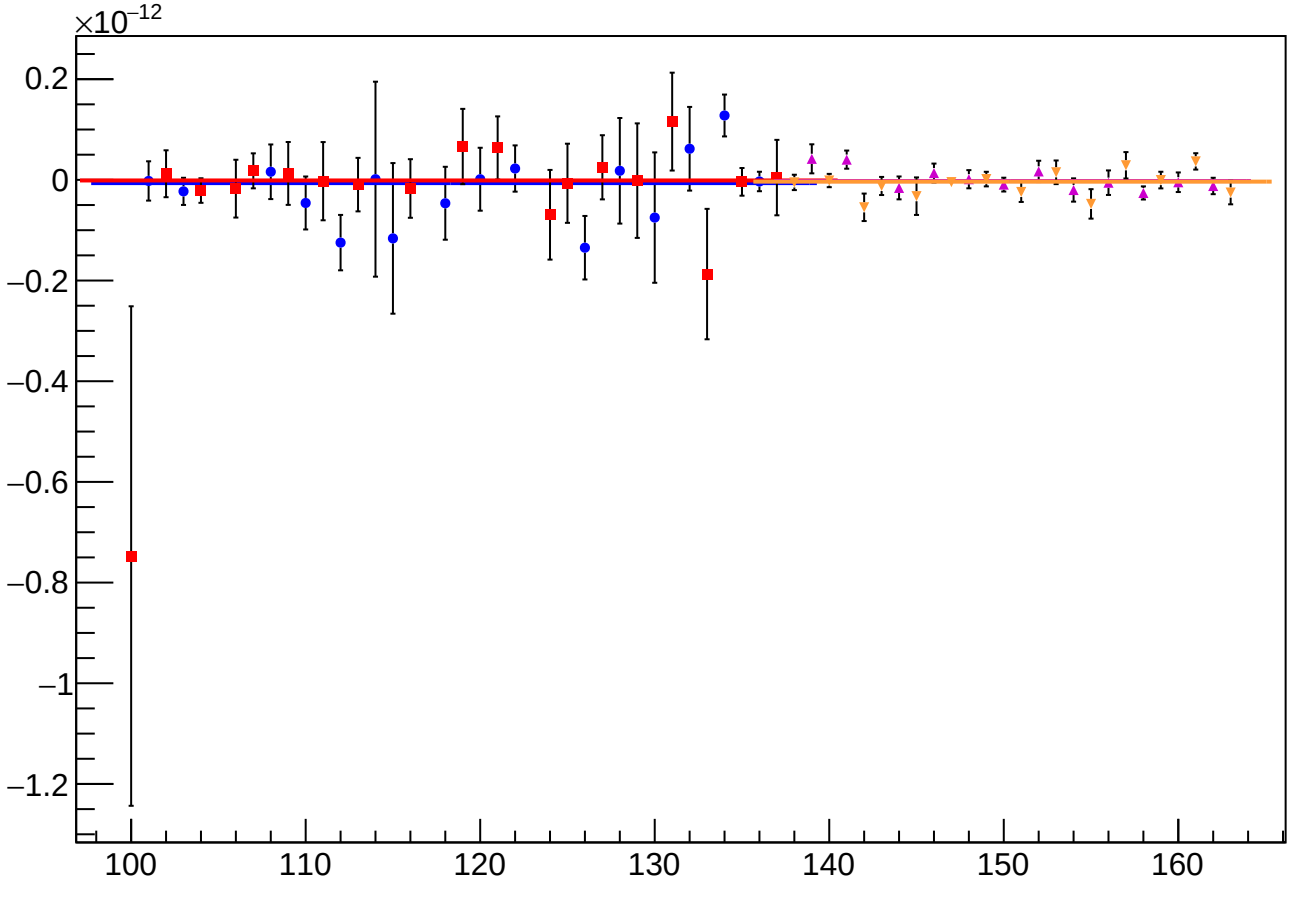
Left: 53.172+/-0.009 χ^2/NDF: 2297474.9/25

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.228+/-0.011 χ^2/NDF:3001487.0/27

Out: 53.794+/-0.010 χ^2/NDF:3976440.7/32

All: 54.953+/-0.007 χ^2/NDF: 7005851.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/11

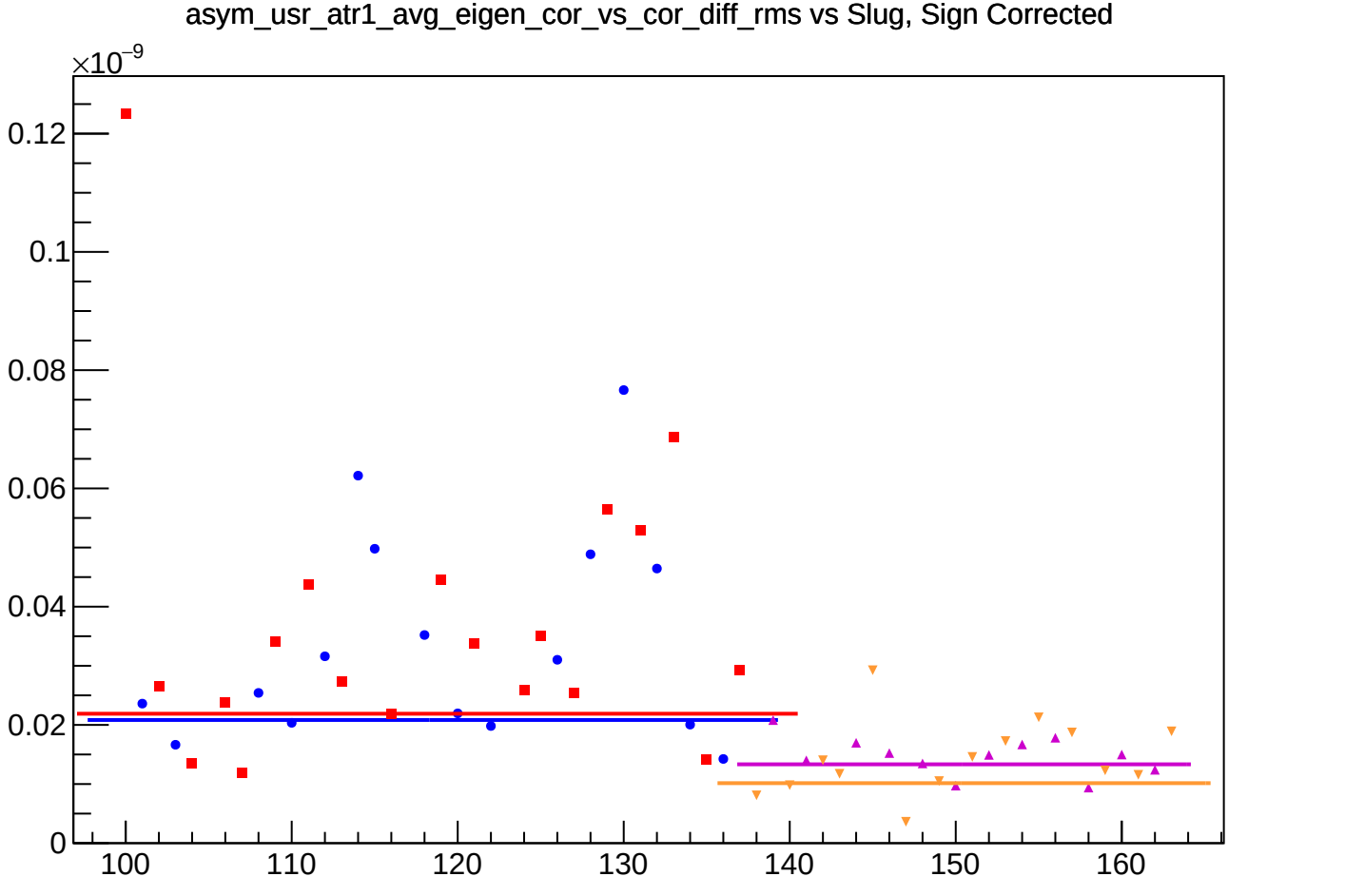
Left: -0.000+/-0.000 χ^2/NDF: 31.4/25

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:37.1/27

Out: -0.000+/-0.000 χ^2/NDF:26.8/32

All: -0.000+/-0.000 χ^2/NDF: 63.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2963984.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:672169.5/11

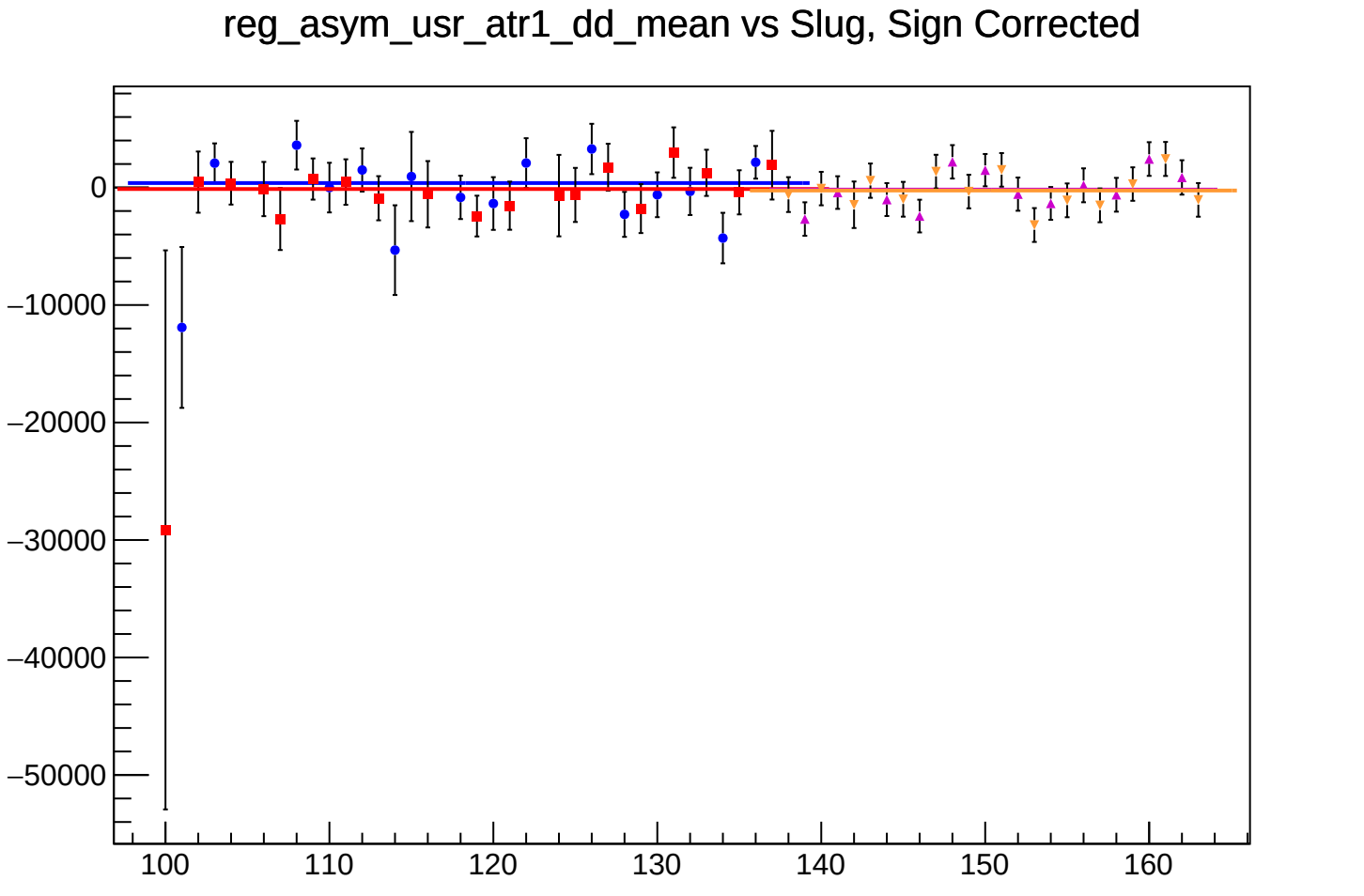
Left: 0.000+/-0.000 χ^2/NDF: 4059386.9/25

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:2780121.0/27

Out: 0.000+/-0.000 χ^2/NDF:6579478.7/32

All: 0.000+/-0.000 χ^2/NDF: 9836510.3/60



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.774+/-392.124 χ^2/NDF:13.0/13

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -177.853+/-408.524 χ^2/NDF:15.1/11

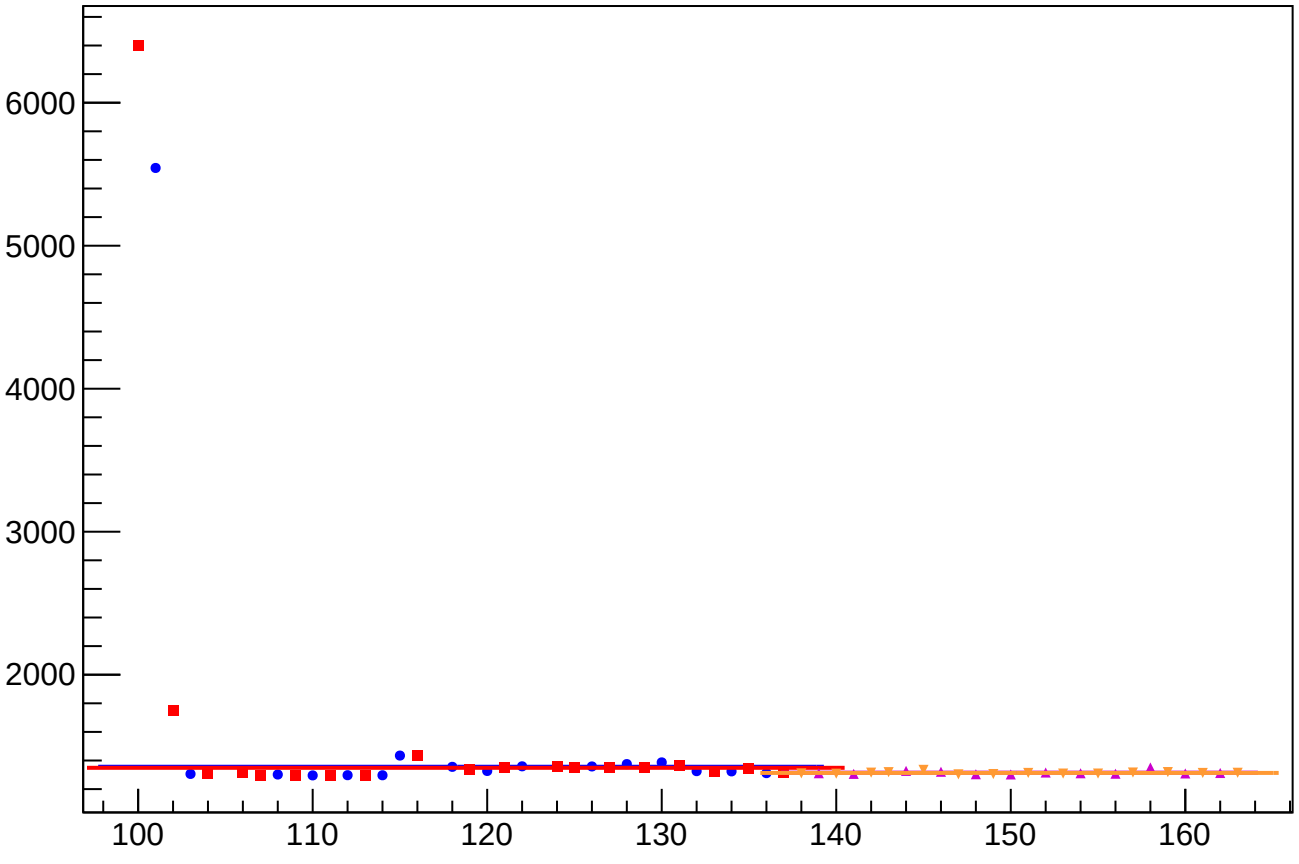
Left: -217.889+/-282.894 χ^2/NDF: 28.1/25

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 36.712+/-320.721 χ^2/NDF:37.3/27

Out: -206.587+/-308.786 χ^2/NDF:23.0/32

All: -89.549+/-222.444 χ^2/NDF: 60.6/60



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1315.105+/-0.289 χ^2/NDF:1951.4/11

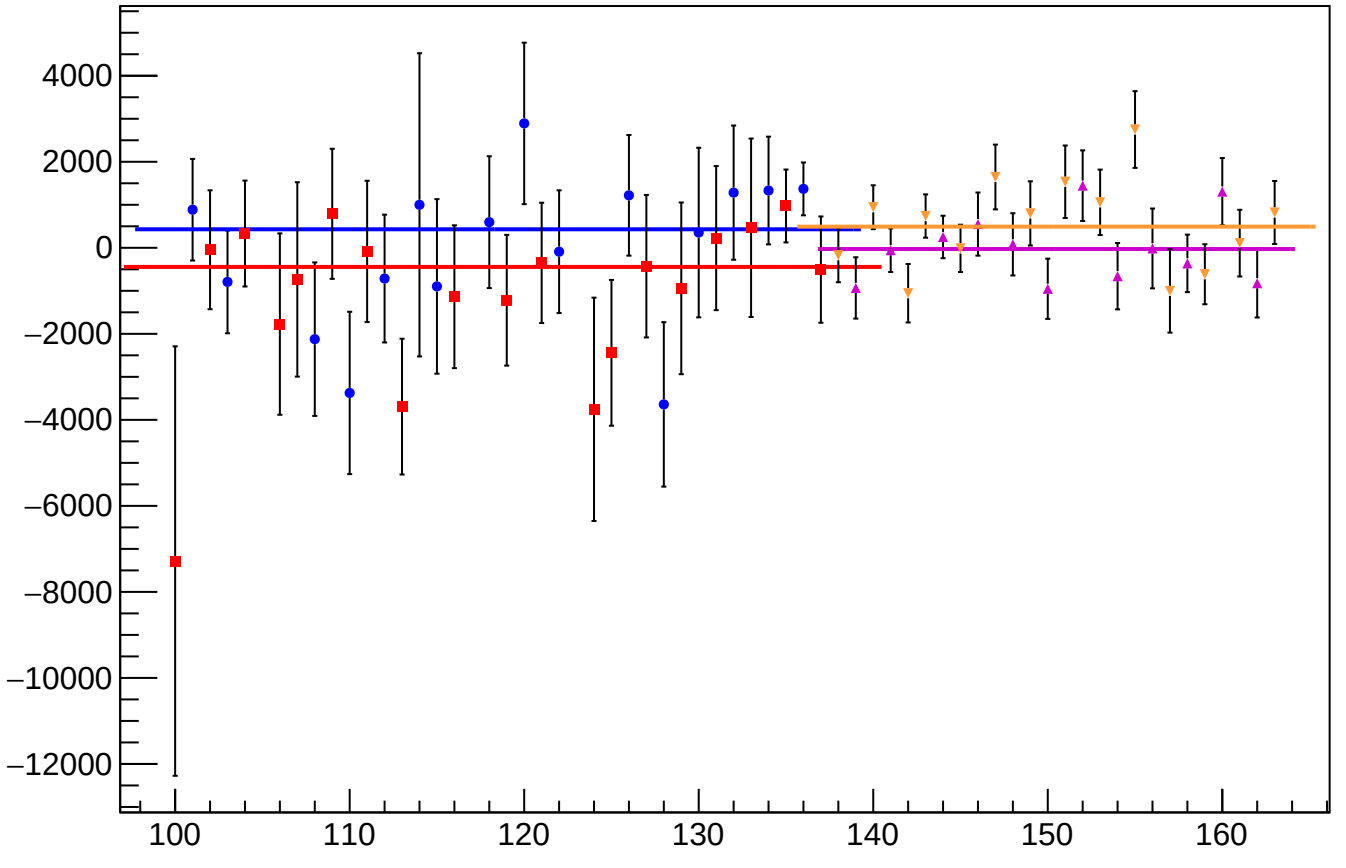
Left: 1314.135+/-0.200 χ^2/NDF: 2694.3/25

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.947+/-0.227 χ^2/NDF:770057.1/27

Out: 1326.816+/-0.218 χ^2/NDF:154296.3/32

All: 1328.803+/-0.157 χ^2/NDF: 924525.5/60



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 492.035+/-181.440 χ^2/NDF:24.5/13

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -28.421+/-197.775 χ^2/NDF:12.4/11

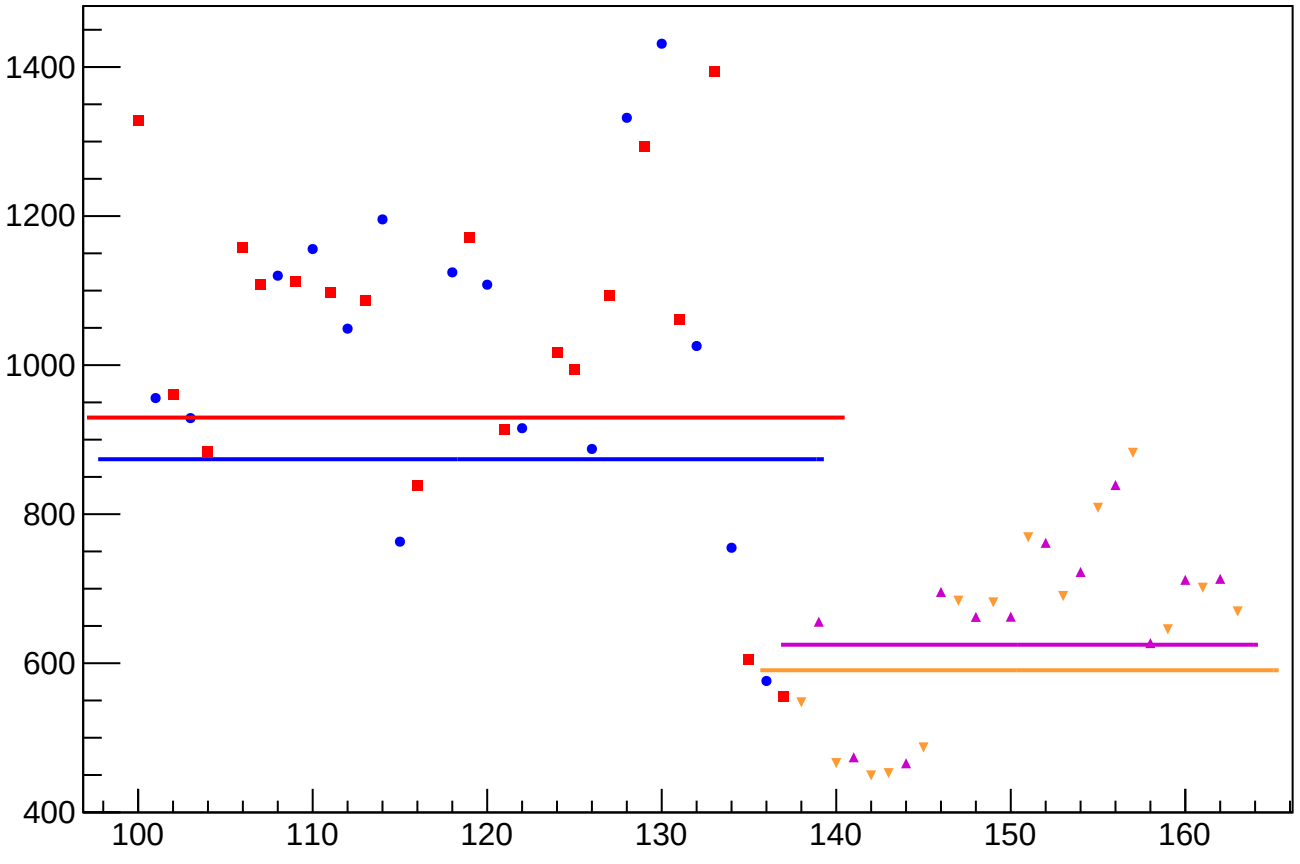
Left: 254.185+/-133.700 χ^2/NDF: 40.7/25

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 88.358+/-170.759 χ^2/NDF:32.0/27

Out: 298.565+/-161.617 χ^2/NDF:44.4/32

All: 199.239+/-117.379 χ^2/NDF: 77.2/60



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 590.551+/-0.128 χ^2/NDF:997800.8/13

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 624.813+/-0.140 χ^2/NDF:663432.5/11

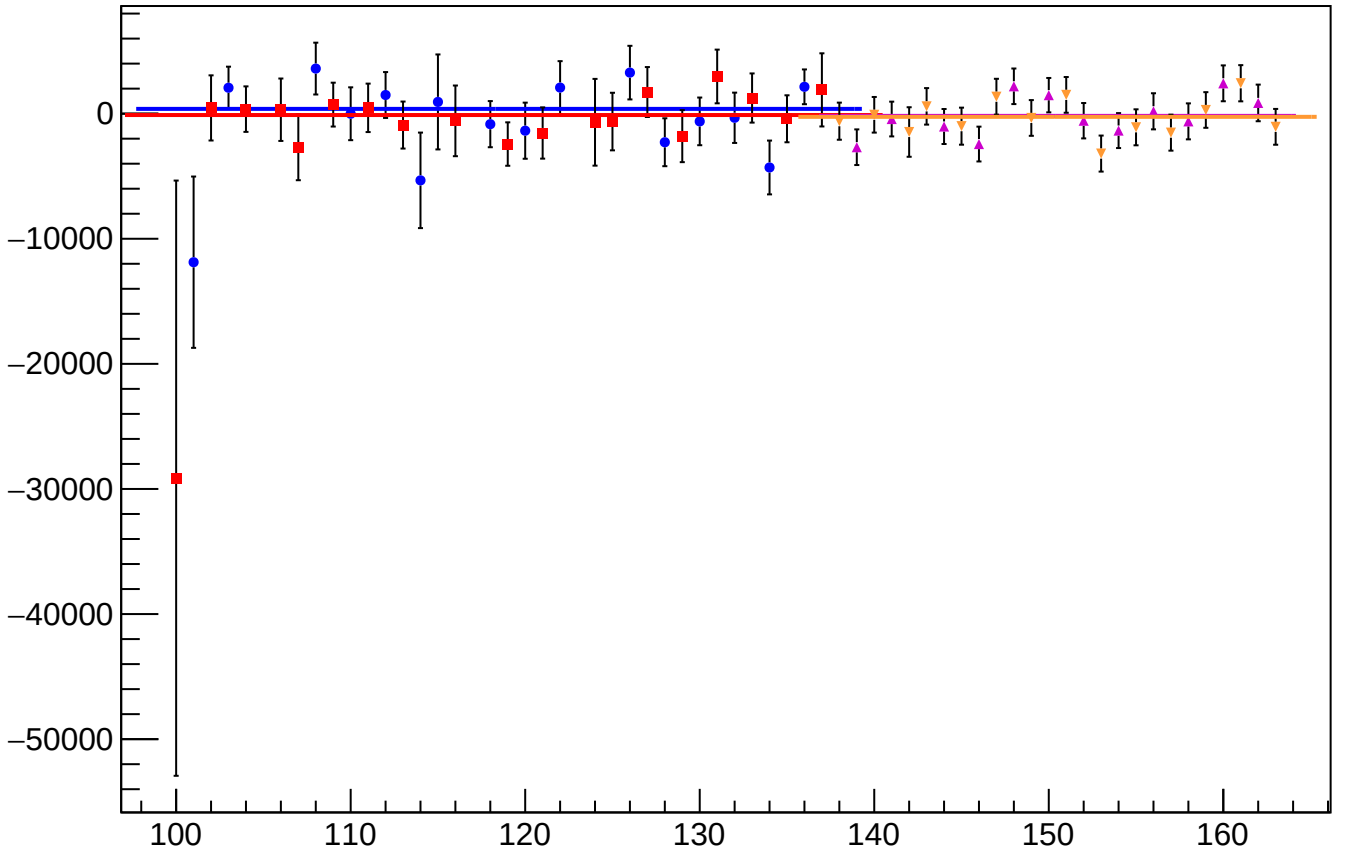
Left: 606.209+/-0.095 χ^2/NDF: 1693825.8/25

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 688.173+/-0.121 χ^2/NDF:2484709.8/27

Out: 660.595+/-0.114 χ^2/NDF:3300679.2/32

All: 673.626+/-0.083 χ^2/NDF: 5812905.1/60



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -177.895+/-408.524 χ^2/NDF:15.1/11

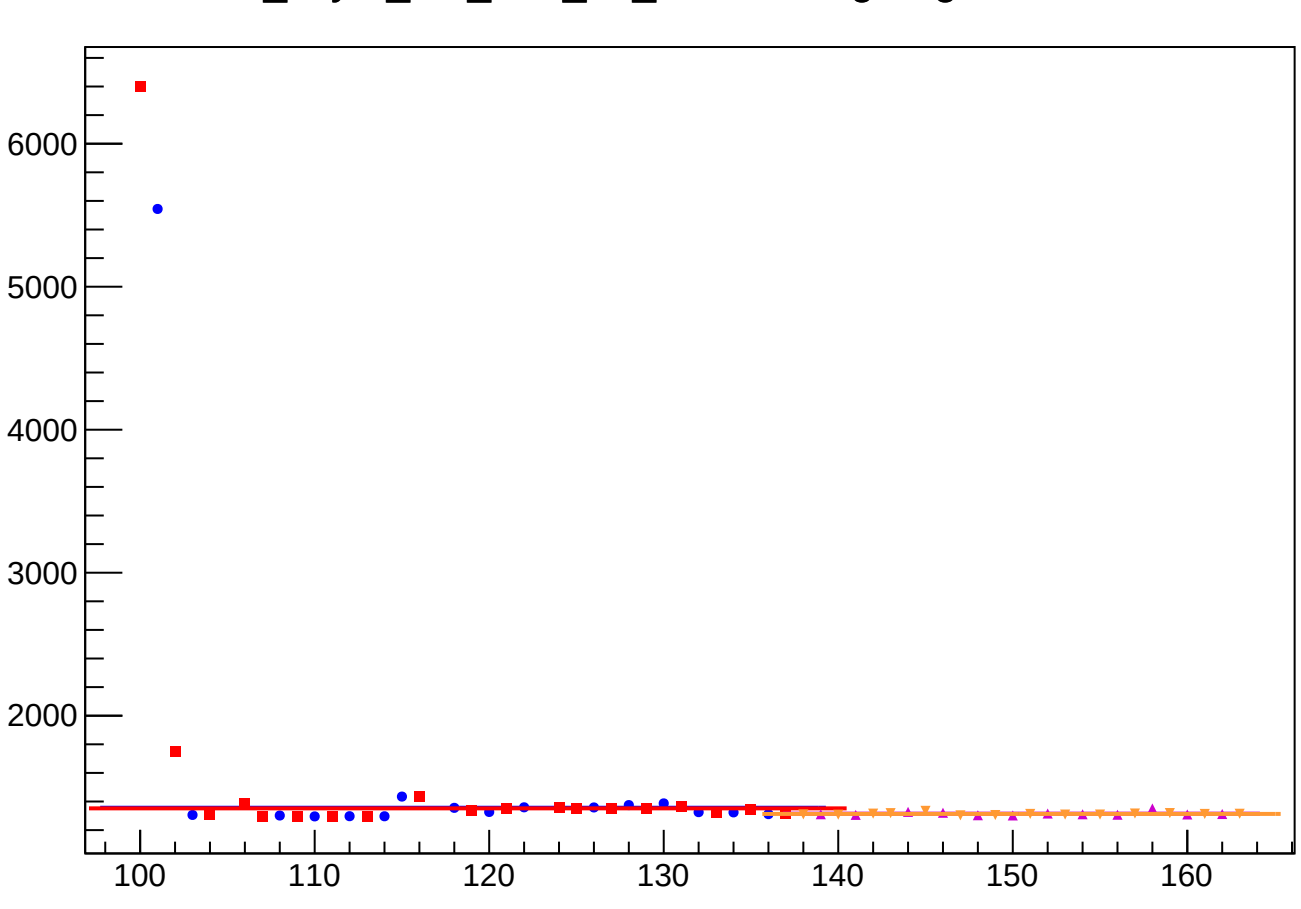
Left: -217.947+/-282.894 χ^2/NDF: 28.1/25

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 36.805+/-320.721 χ^2/NDF:37.3/27

Out: -200.160+/-309.185 χ^2/NDF:23.0/32

All: -86.016+/-222.593 χ^2/NDF: 60.6/60



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.105+/-0.289 χ^2/NDF:1951.4/11

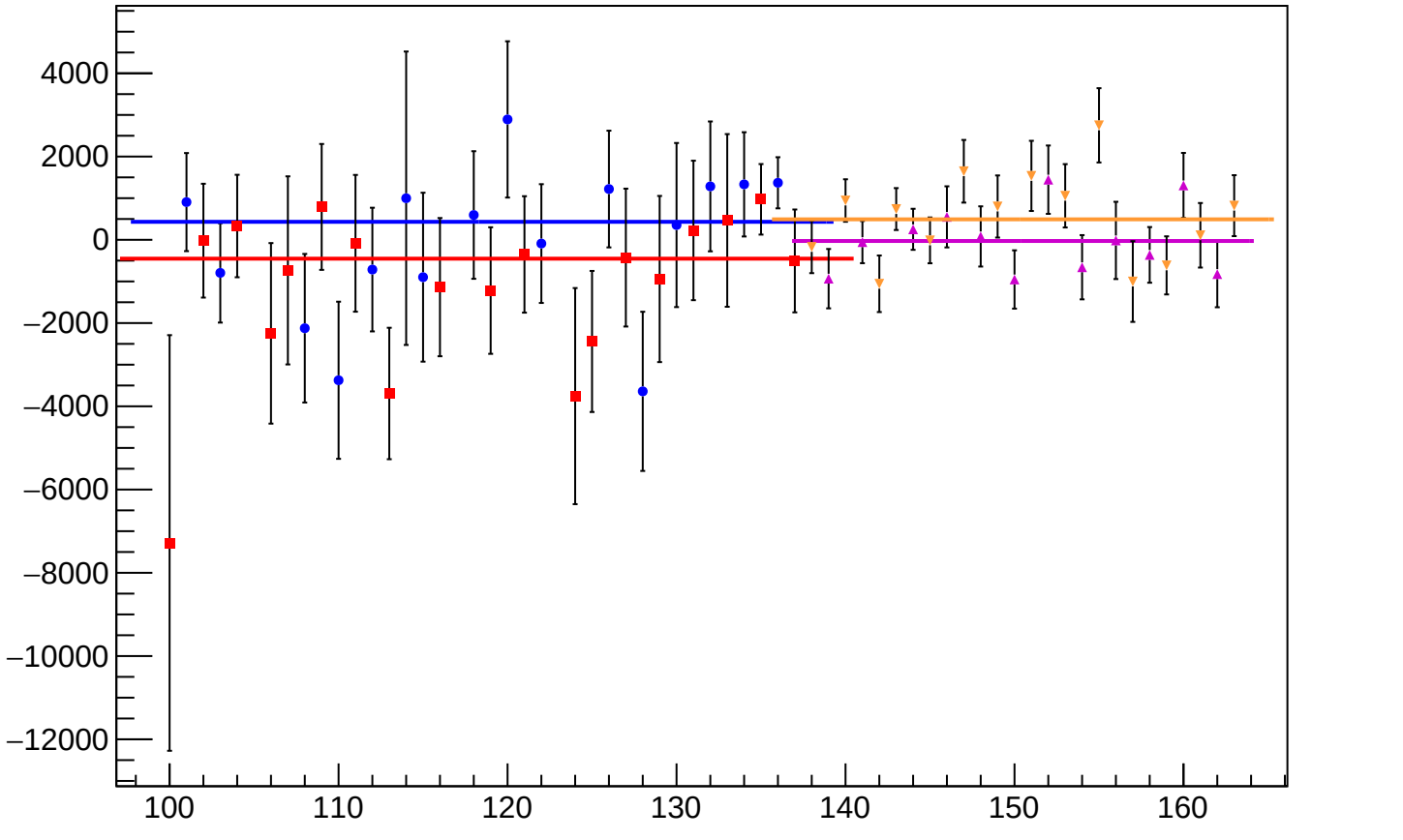
Left: 1314.135+/-0.200 χ^2/NDF: 2694.3/25

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.947+/-0.227 χ^2/NDF:770056.1/27

Out: 1327.935+/-0.219 χ^2/NDF:155471.3/32

All: 1329.386+/-0.157 χ^2/NDF: 925618.8/60



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 491.959+/-181.440 χ^2/NDF:24.5/13

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -28.398+/-197.773 χ^2/NDF:12.4/11

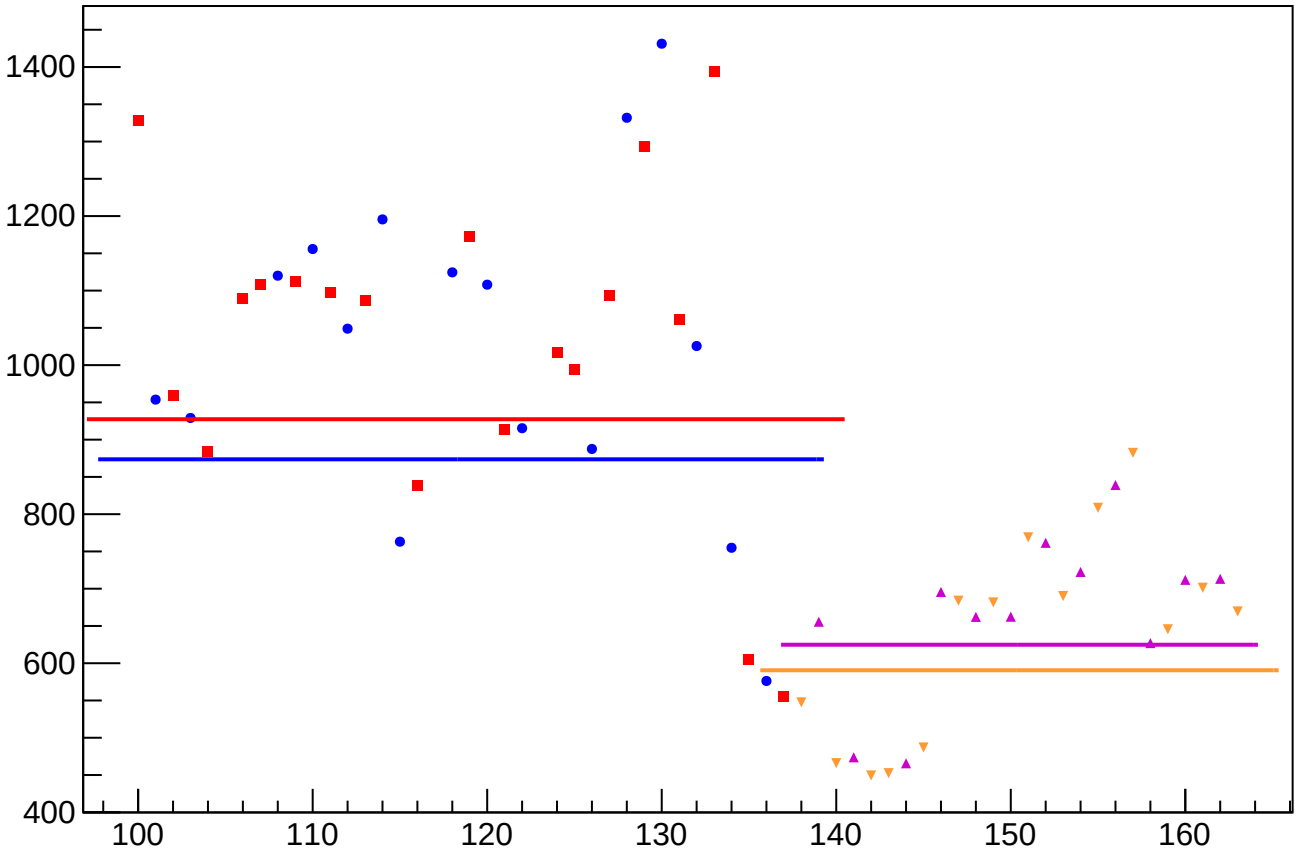
Left: 254.152+/-133.699 χ^2/NDF: 40.7/25

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 88.853+/-170.751 χ^2/NDF:32.0/27

Out: 296.756+/-161.618 χ^2/NDF:44.8/32

All: 198.513+/-117.377 χ^2/NDF: 77.6/60



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 624.806+/-0.140 χ^2/NDF:663493.0/11

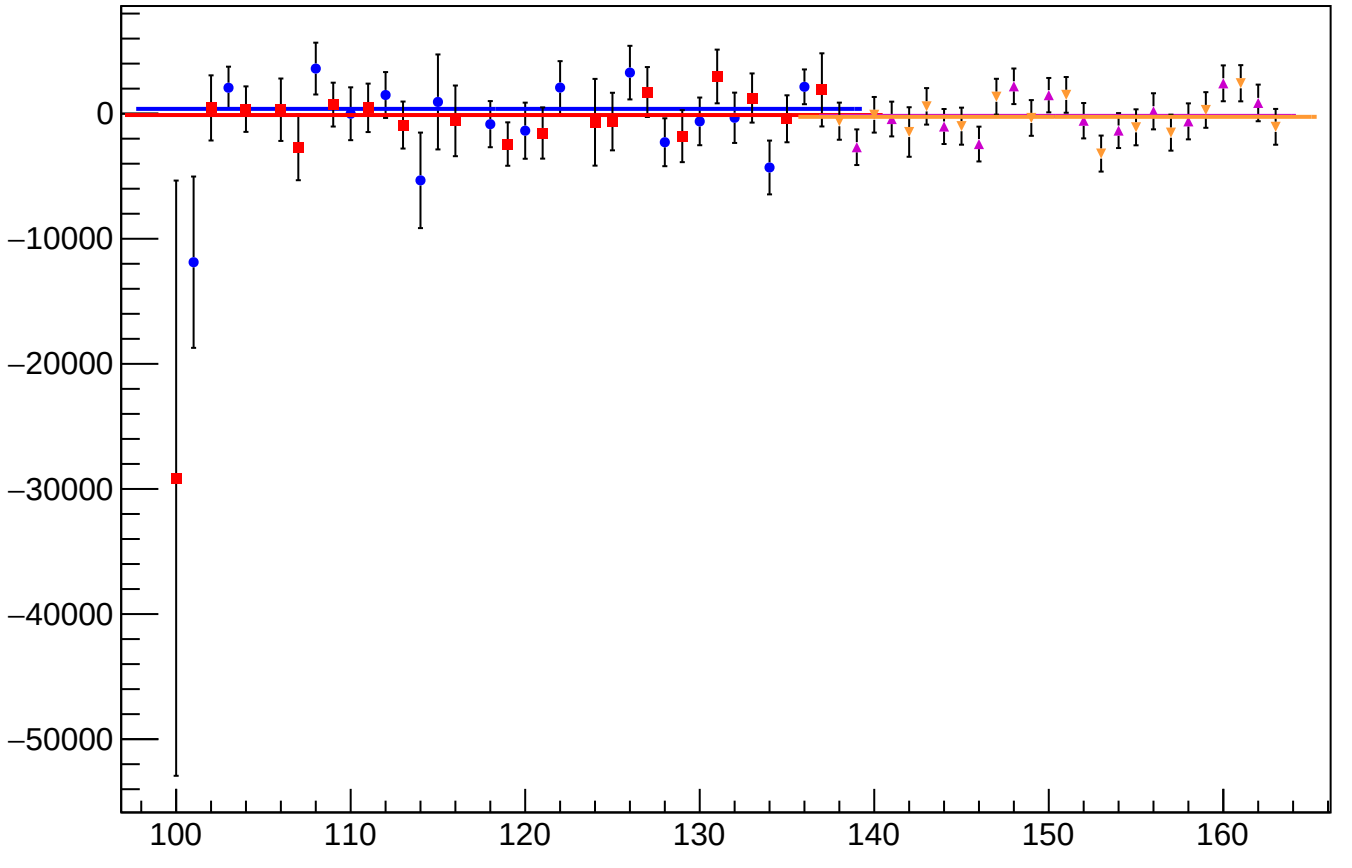
Left: 606.206+/-0.095 χ^2/NDF: 1693808.9/25

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 688.150+/-0.121 χ^2/NDF:2483747.9/27

Out: 660.134+/-0.114 χ^2/NDF:3269111.3/32

All: 673.373+/-0.083 χ^2/NDF: 5781258.9/60



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -254.848+/-392.124 χ^2/NDF:13.0/13

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -177.895+/-408.524 χ^2/NDF:15.1/11

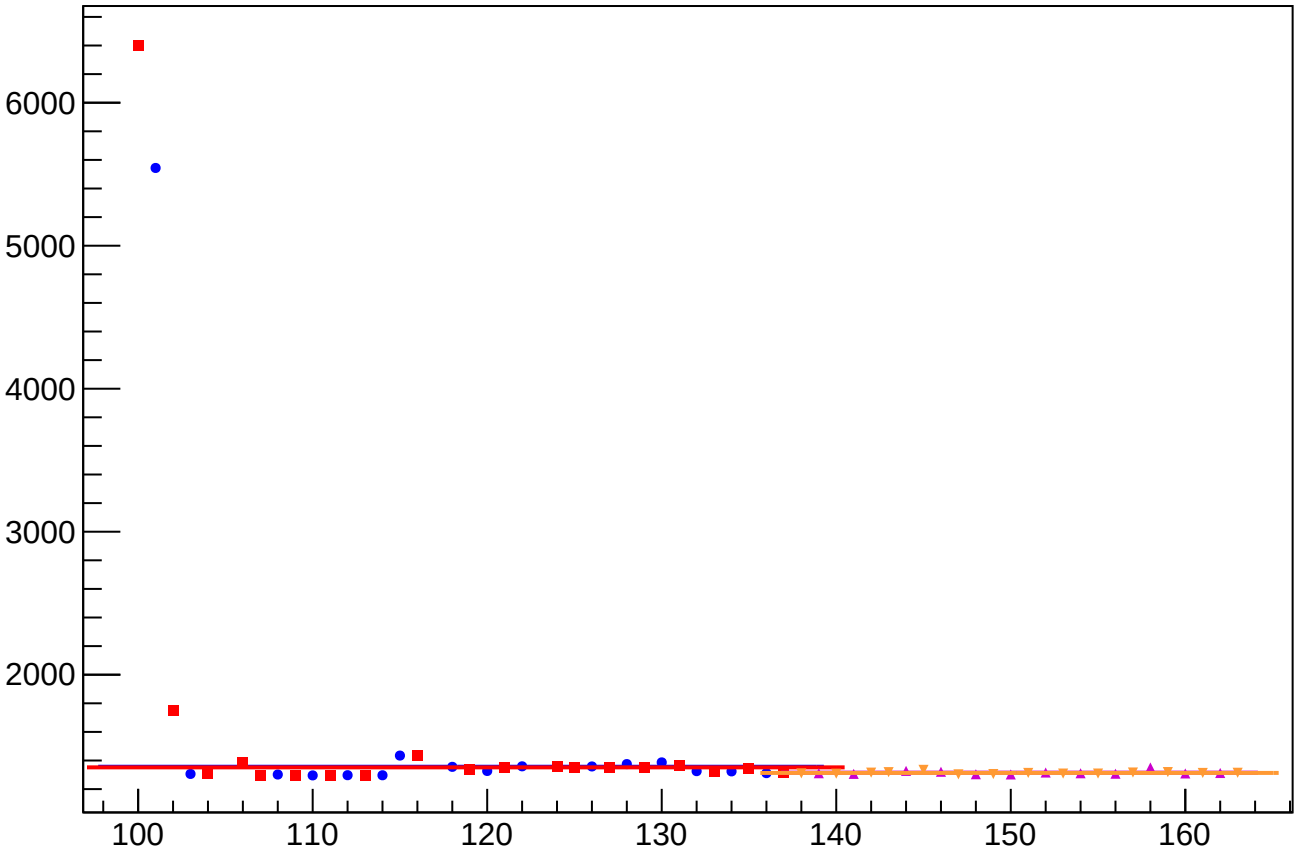
Left: -217.947+/-282.894 χ^2/NDF: 28.1/25

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 36.805+/-320.721 χ^2/NDF:37.3/27

Out: -200.160+/-309.185 χ^2/NDF:23.0/32

All: -86.016+/-222.593 χ^2/NDF: 60.6/60



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1313.241+/-0.277 χ^2/NDF:721.2/13

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1315.105+/-0.289 χ^2/NDF:1951.4/11

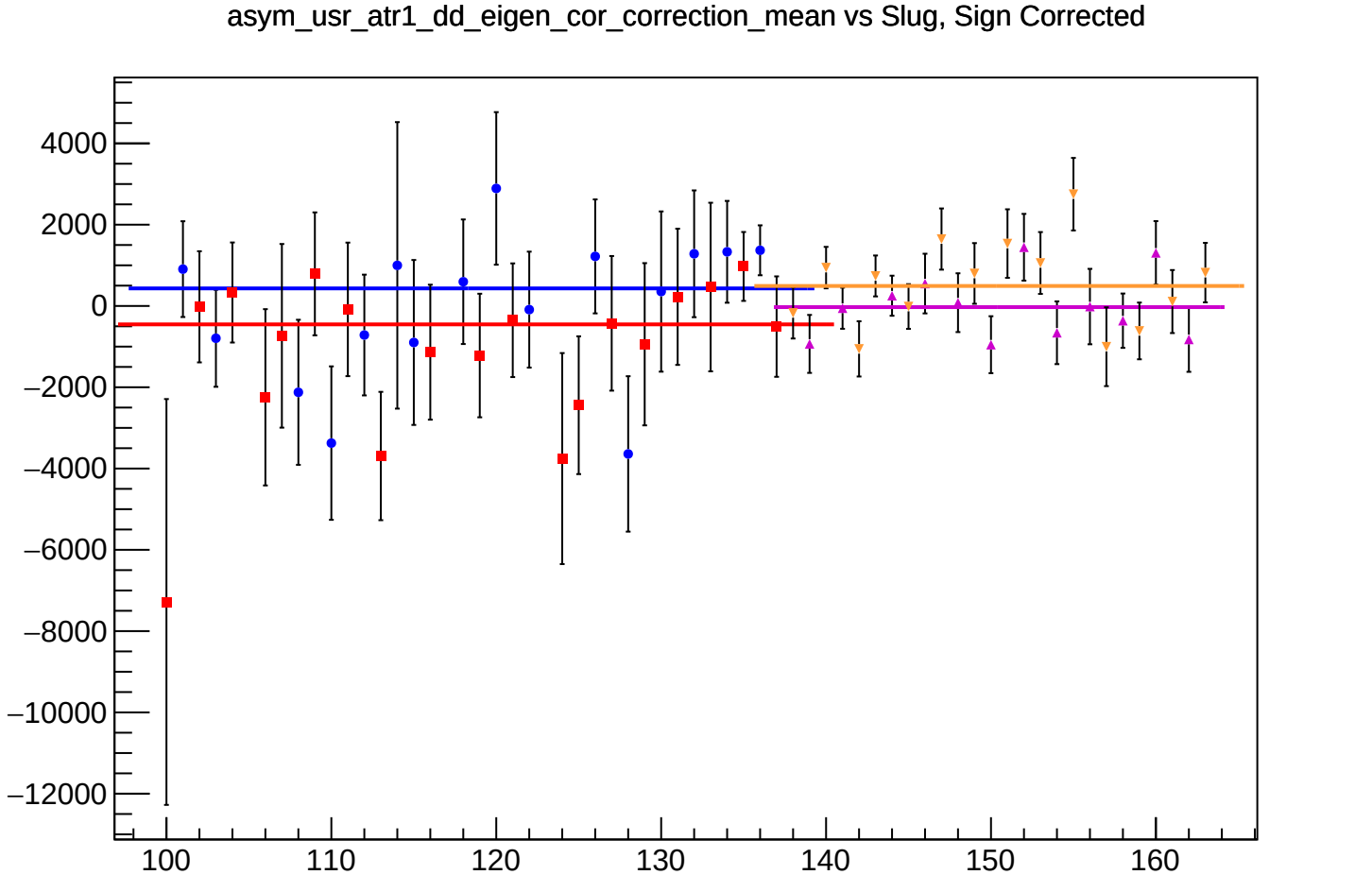
Left: 1314.135+/-0.200 χ^2/NDF: 2694.3/25

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.947+/-0.227 χ^2/NDF:770056.1/27

Out: 1327.935+/-0.219 χ^2/NDF:155471.3/32

All: 1329.386+/-0.157 χ^2/NDF: 925618.8/60



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 491.959+/-181.440 χ^2/NDF:24.5/13

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -28.398+/-197.773 χ^2/NDF:12.4/11

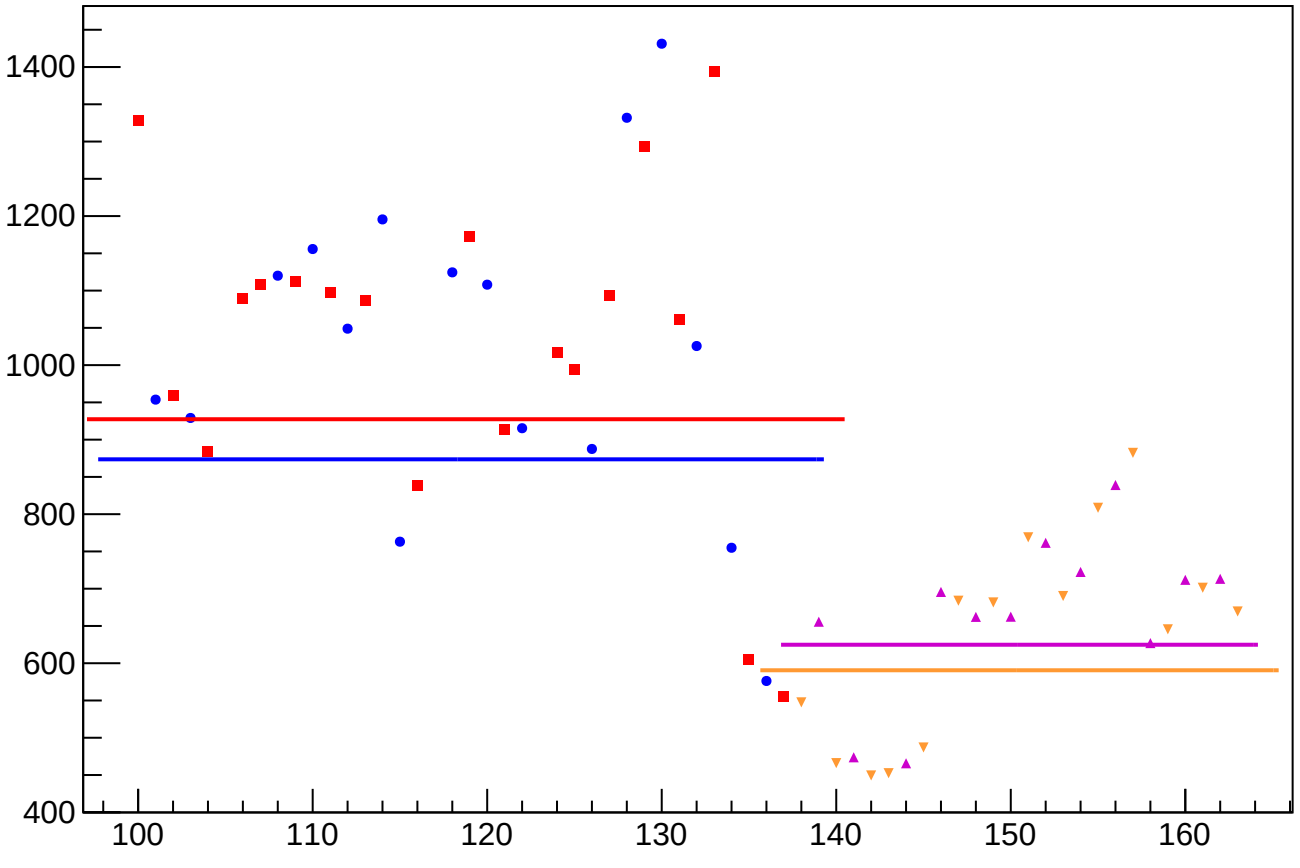
Left: 254.152+/-133.699 χ^2/NDF: 40.7/25

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 88.853+/-170.751 χ^2/NDF:32.0/27

Out: 296.756+/-161.618 χ^2/NDF:44.8/32

All: 198.513+/-117.377 χ^2/NDF: 77.6/60



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 590.552+/-0.128 χ^2/NDF:997738.6/13

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 624.806+/-0.140 χ^2/NDF:663493.0/11

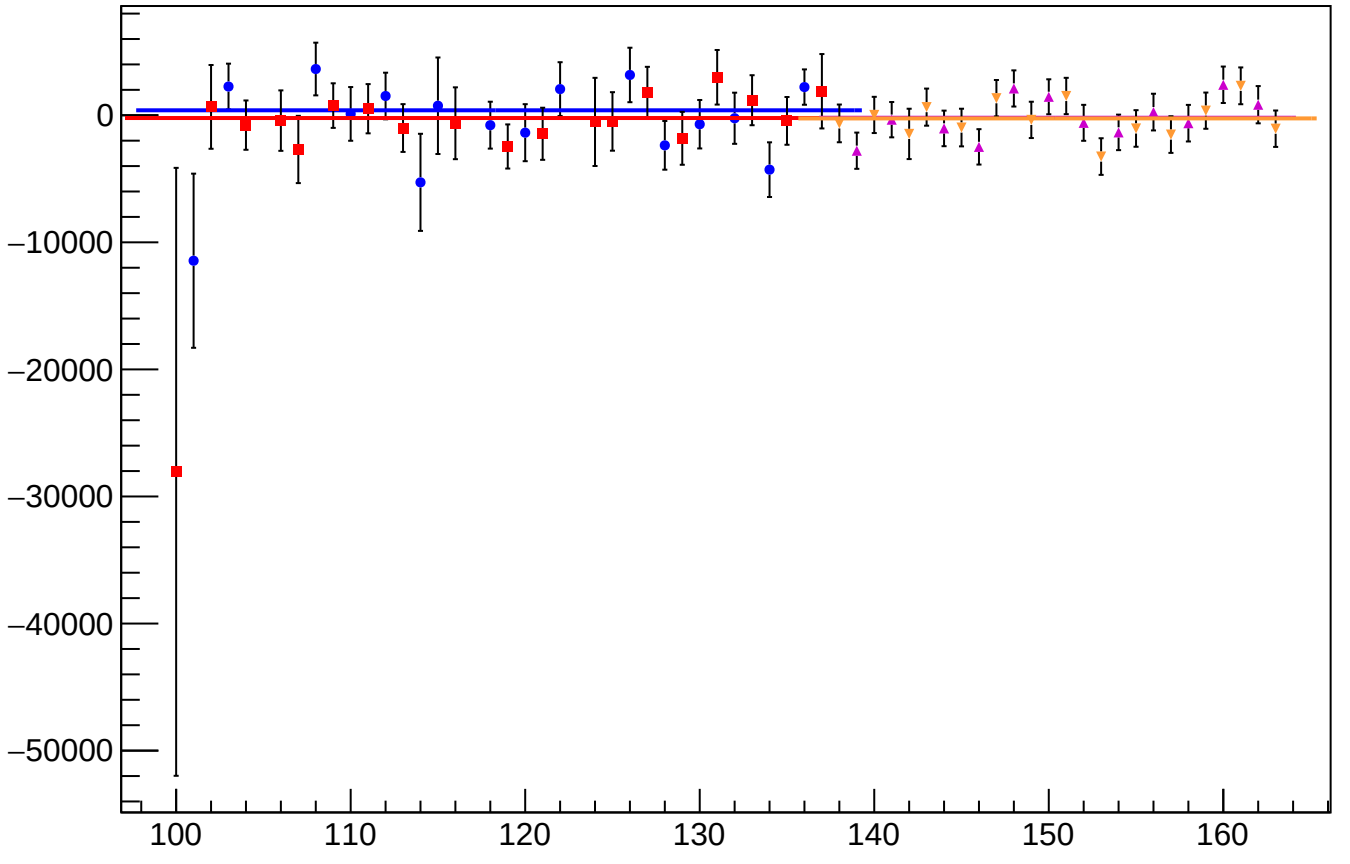
Left: 606.206+/-0.095 χ^2/NDF: 1693808.9/25

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 688.150+/-0.121 χ^2/NDF:2483747.9/27

Out: 660.134+/-0.114 χ^2/NDF:3269111.3/32

All: 673.373+/-0.083 χ^2/NDF: 5781258.9/60



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.253+/-392.427 χ^2/NDF:12.9/13

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -195.942+/-408.815 χ^2/NDF:15.2/11

Left: -223.167+/-283.104 χ^2/NDF: 28.1/25

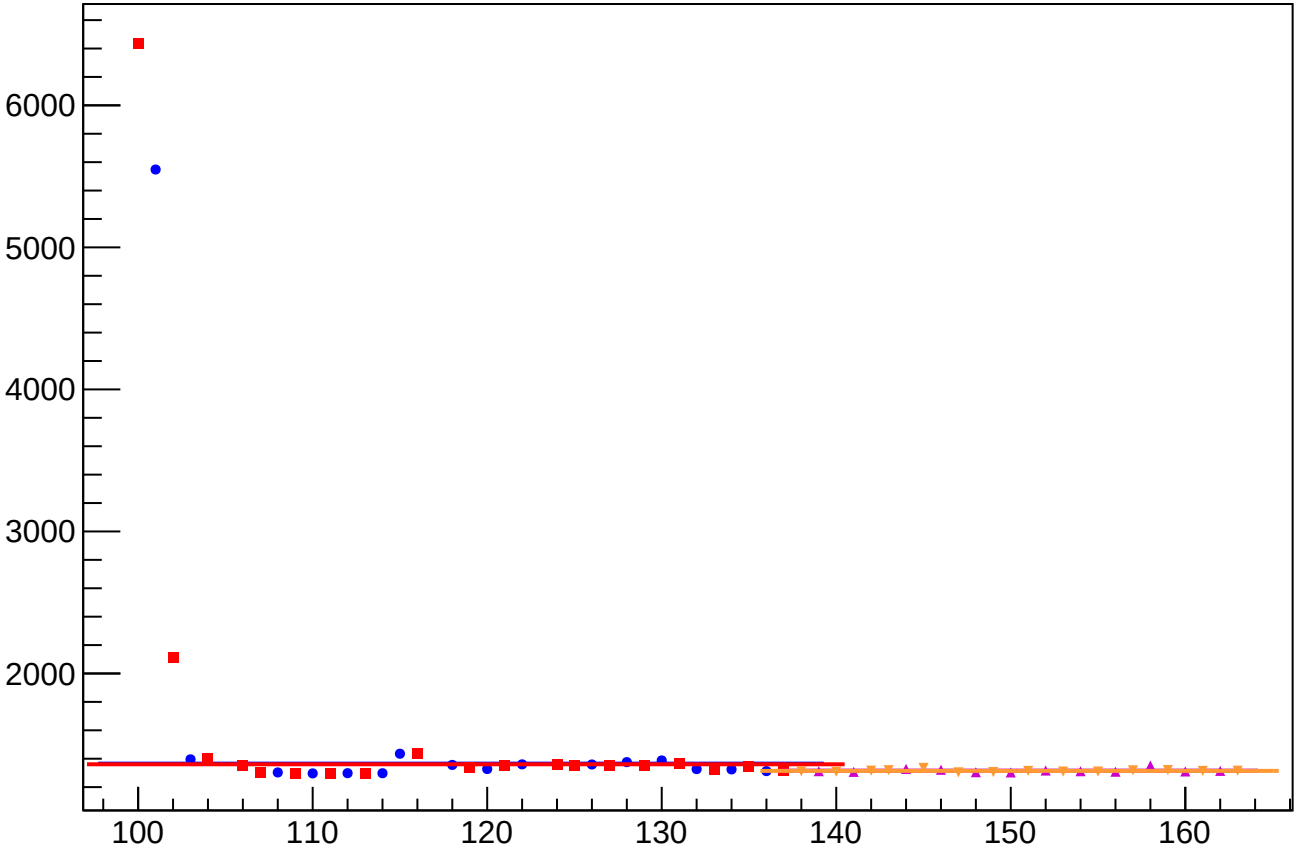
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 27.244+/-321.659 χ^2/NDF:37.3/27

Out: -237.013+/-310.540 χ^2/NDF:22.9/32

All: -109.531+/-223.412 χ^2/NDF: 60.6/60

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1316.042+/-0.289 χ^2/NDF:1949.5/11

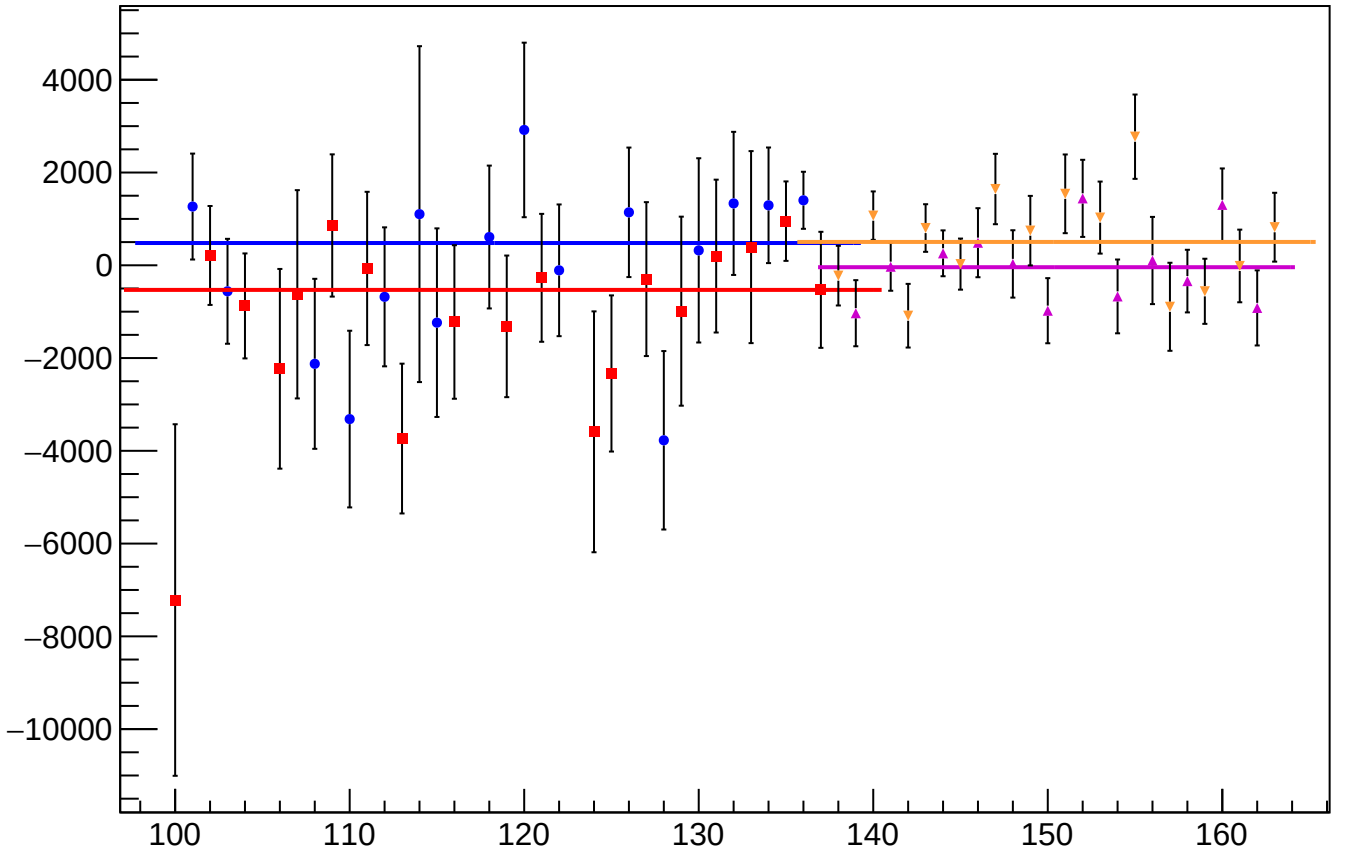
Left: 1315.112+/-0.200 χ^2/NDF: 2688.6/25

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.807+/-0.227 χ^2/NDF:771955.6/27

Out: 1331.643+/-0.220 χ^2/NDF:216538.0/32

All: 1333.169+/-0.158 χ^2/NDF: 988593.8/60



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 503.641+/-183.607 χ^2/NDF:24.6/13

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -41.144+/-199.952 χ^2/NDF:12.7/11

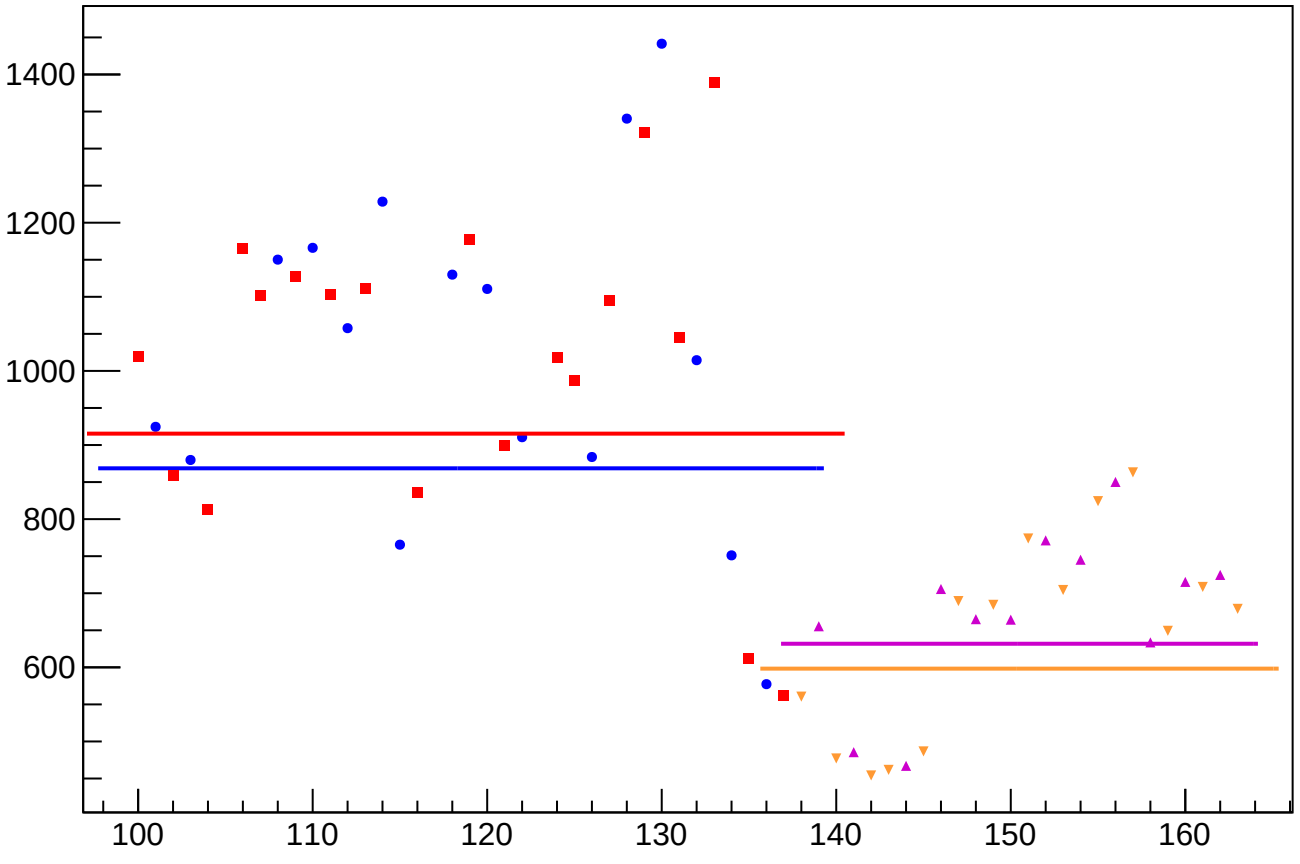
Left: 254.423+/-135.239 χ^2/NDF: 41.3/25

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 94.941+/-171.898 χ^2/NDF:33.1/27

Out: 276.518+/-162.197 χ^2/NDF:47.2/32

All: 190.997+/-117.971 χ^2/NDF: 80.9/60



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 598.273+/-0.130 χ^2/NDF:958231.6/13

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 631.844+/-0.141 χ^2/NDF:665412.8/11

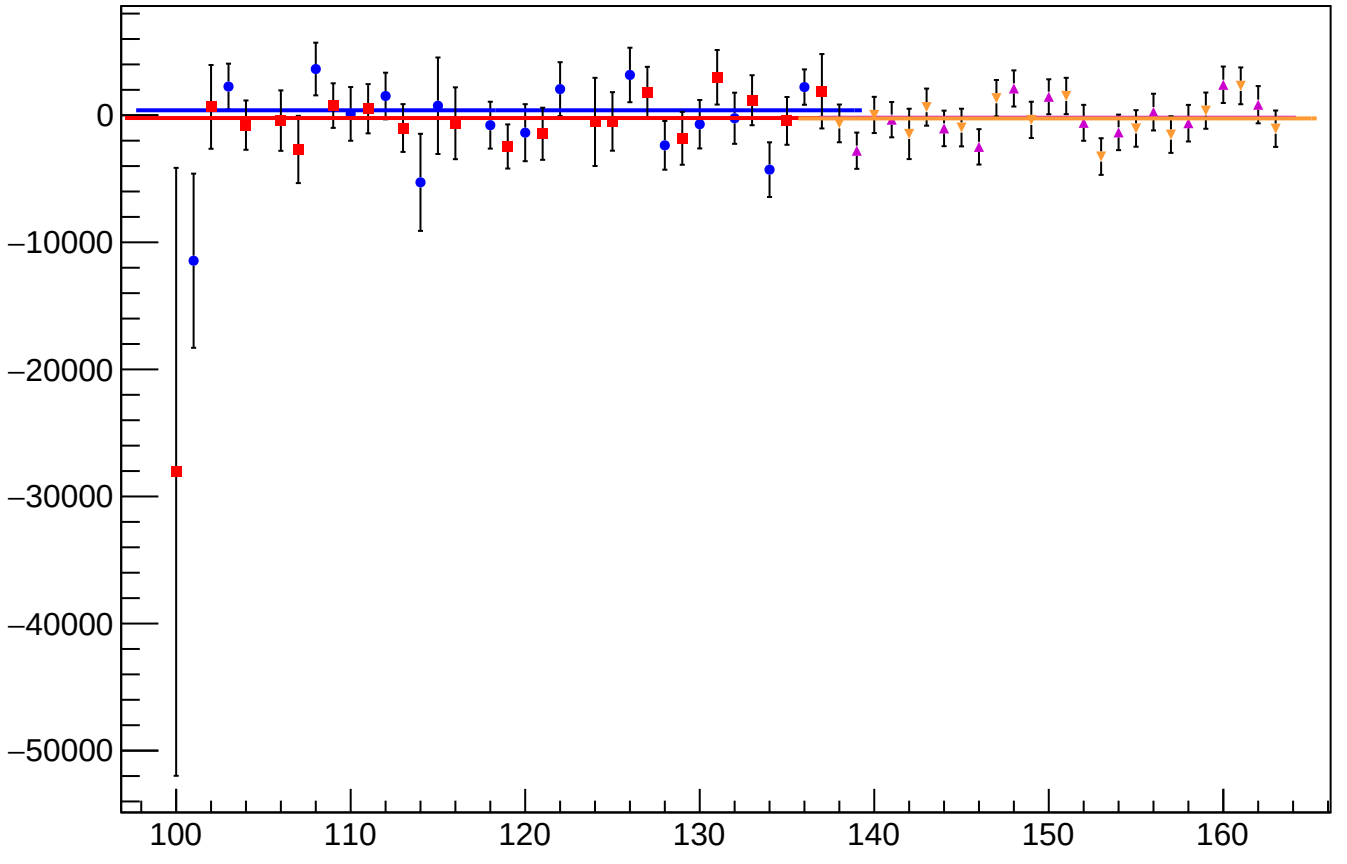
Left: 613.630+/-0.096 χ^2/NDF: 1654231.4/25

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 693.612+/-0.122 χ^2/NDF:2418218.1/27

Out: 667.911+/-0.115 χ^2/NDF:3127161.2/32

All: 680.016+/-0.083 χ^2/NDF: 5569031.4/60



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -248.255+/-392.427 χ^2/NDF:12.9/13

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -195.942+/-408.815 χ^2/NDF:15.2/11

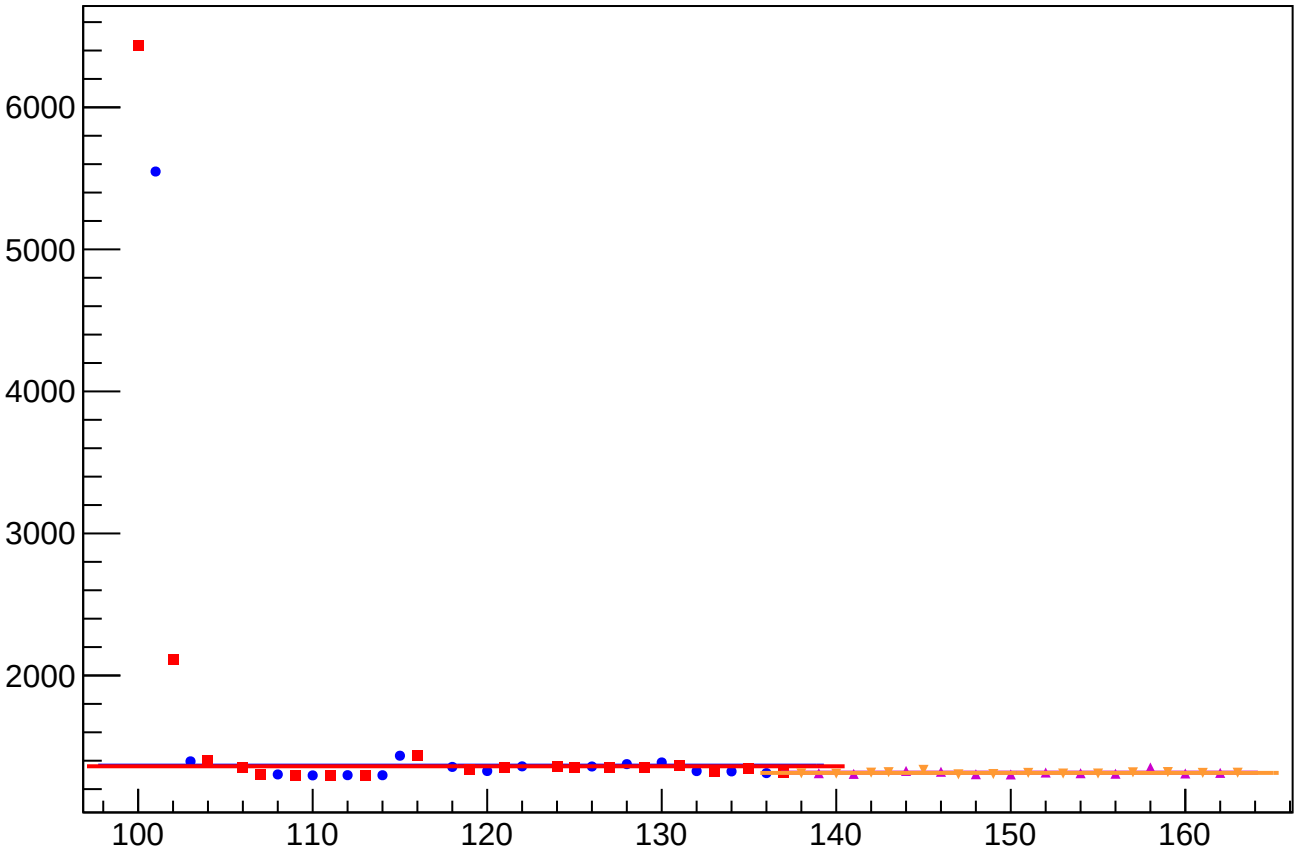
Left: -223.168+/-283.104 χ^2/NDF: 28.1/25

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 27.244+/-321.659 χ^2/NDF:37.3/27

Out: -237.014+/-310.540 χ^2/NDF:22.9/32

All: -109.531+/-223.412 χ^2/NDF: 60.6/60



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1314.256+/-0.277 χ^2/NDF:719.3/13

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1316.042+/-0.289 χ^2/NDF:1949.5/11

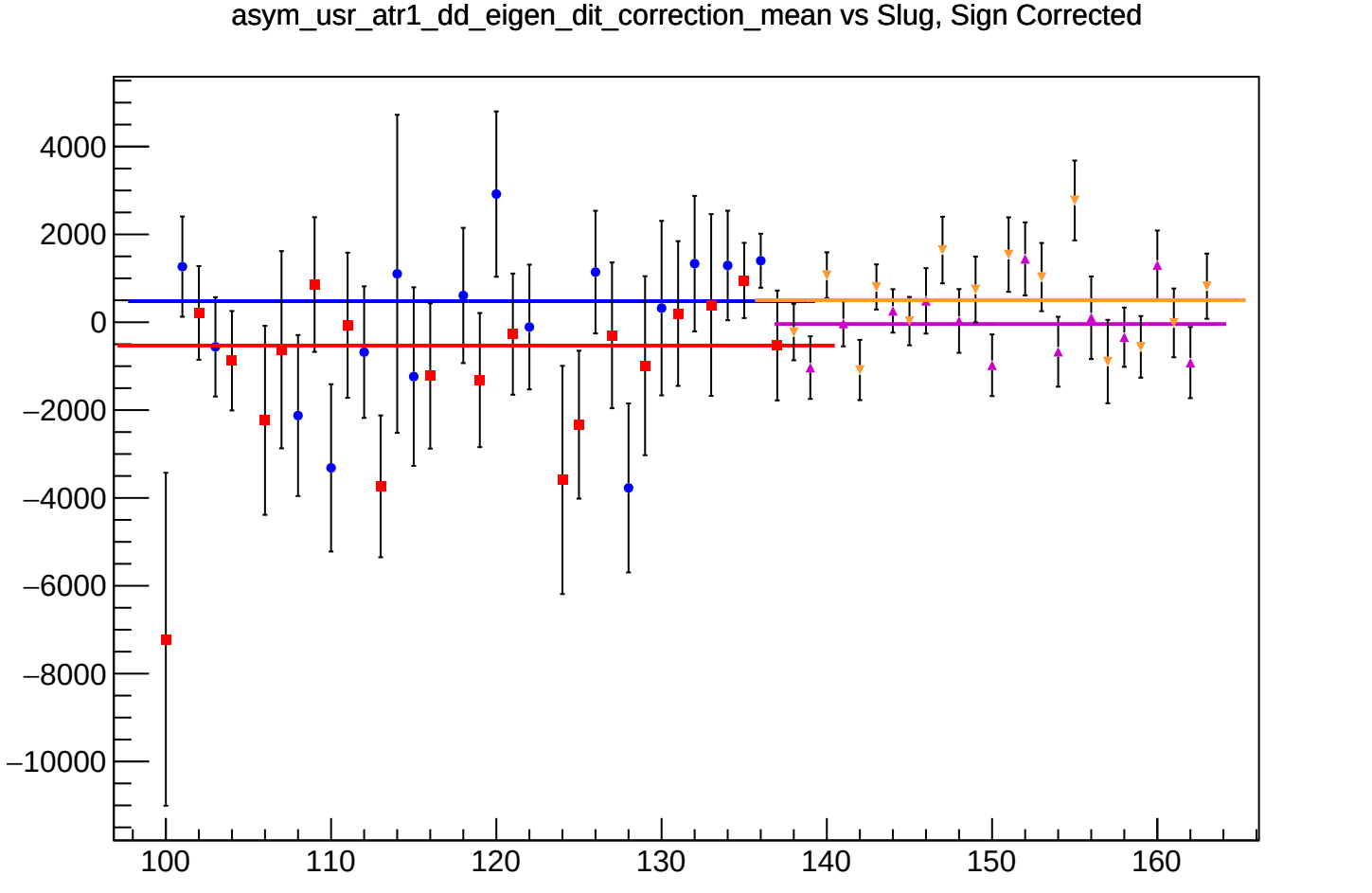
Left: 1315.112+/-0.200 χ^2/NDF: 2688.6/25

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.807+/-0.227 χ^2/NDF:771955.6/27

Out: 1331.643+/-0.220 χ^2/NDF:216537.9/32

All: 1333.169+/-0.158 χ^2/NDF: 988593.7/60



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 503.641+/-183.607 χ^2/NDF:24.6/13

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -41.144+/-199.953 χ^2/NDF:12.7/11

Left: 254.423+/-135.240 χ^2/NDF: 41.3/25

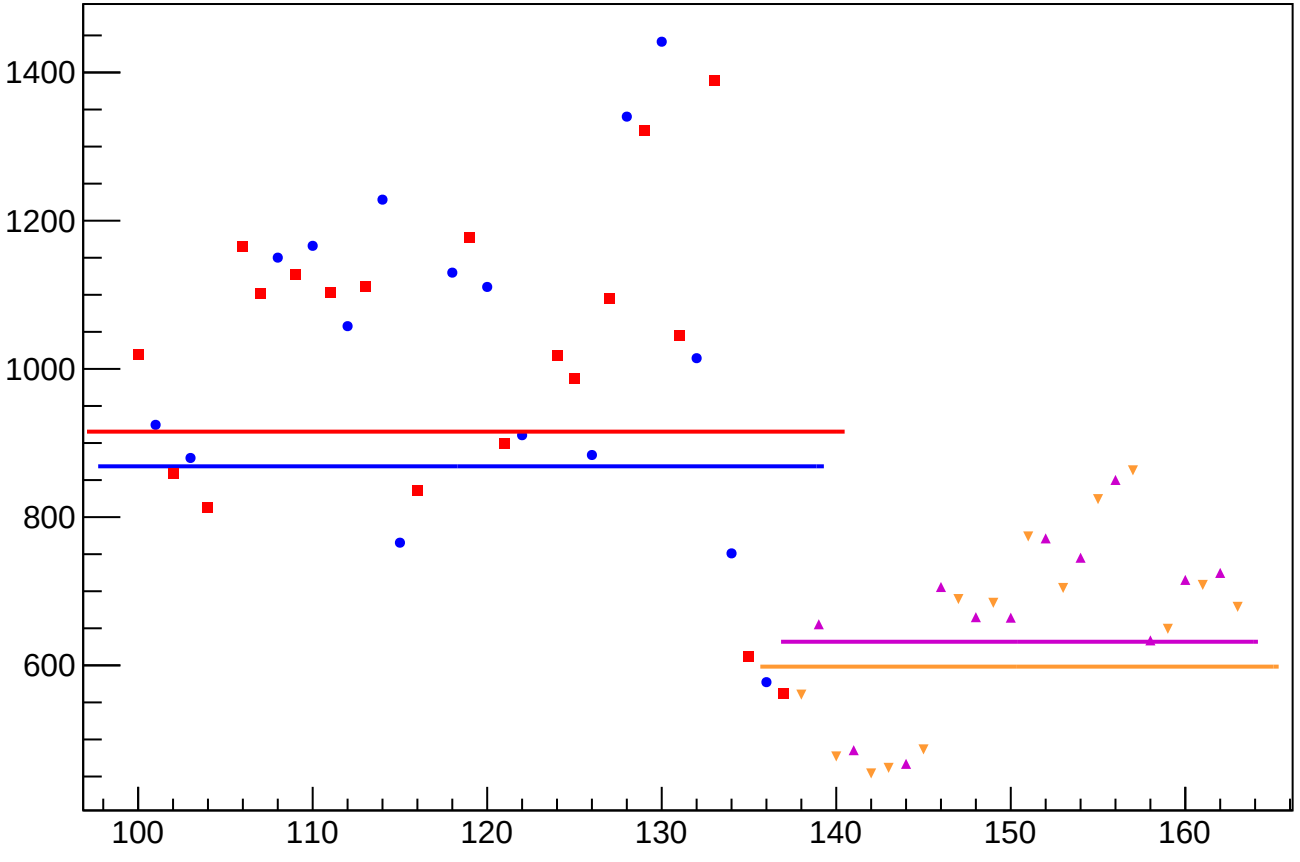
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 94.942+/-171.898 χ^2/NDF:33.1/27

Out: 276.517+/-162.197 χ^2/NDF:47.2/32

All: 190.997+/-117.971 χ^2/NDF: 80.9/60

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: 598.273+/-0.130 χ^2/NDF:958246.0/13

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 631.845+/-0.141 χ^2/NDF:665420.1/11

Left: 613.631+/-0.096 χ^2/NDF: 1654254.7/25

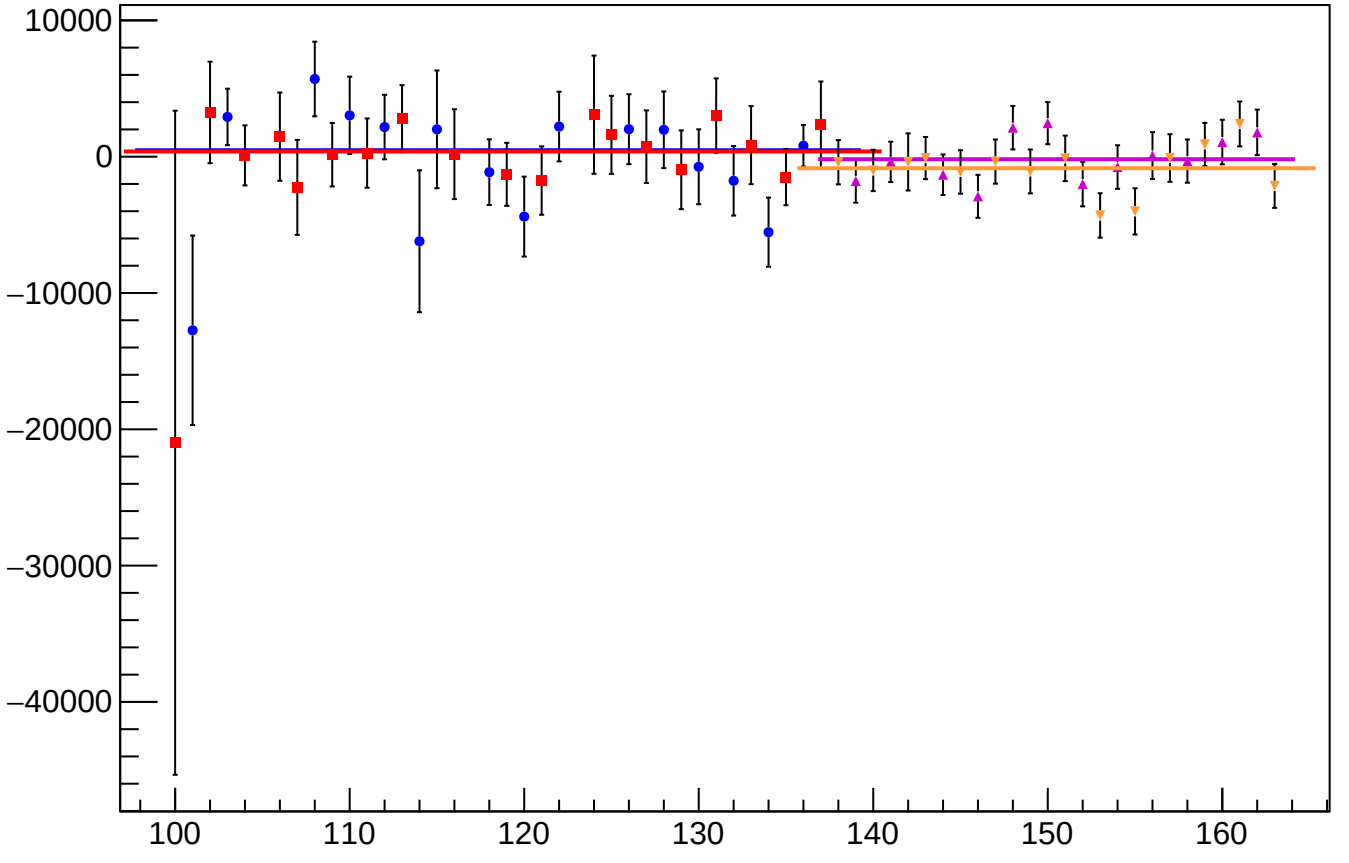
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 693.613+/-0.122 χ^2/NDF:2418204.9/27

Out: 667.911+/-0.115 χ^2/NDF:3127163.2/32

All: 680.016+/-0.083 χ^2/NDF: 5569021.2/60

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -846.524+/-439.383 χ^2/NDF:14.6/13

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -185.913+/-458.949 χ^2/NDF:13.0/11

Left: -530.600+/-317.382 χ^2/NDF: 28.7/25

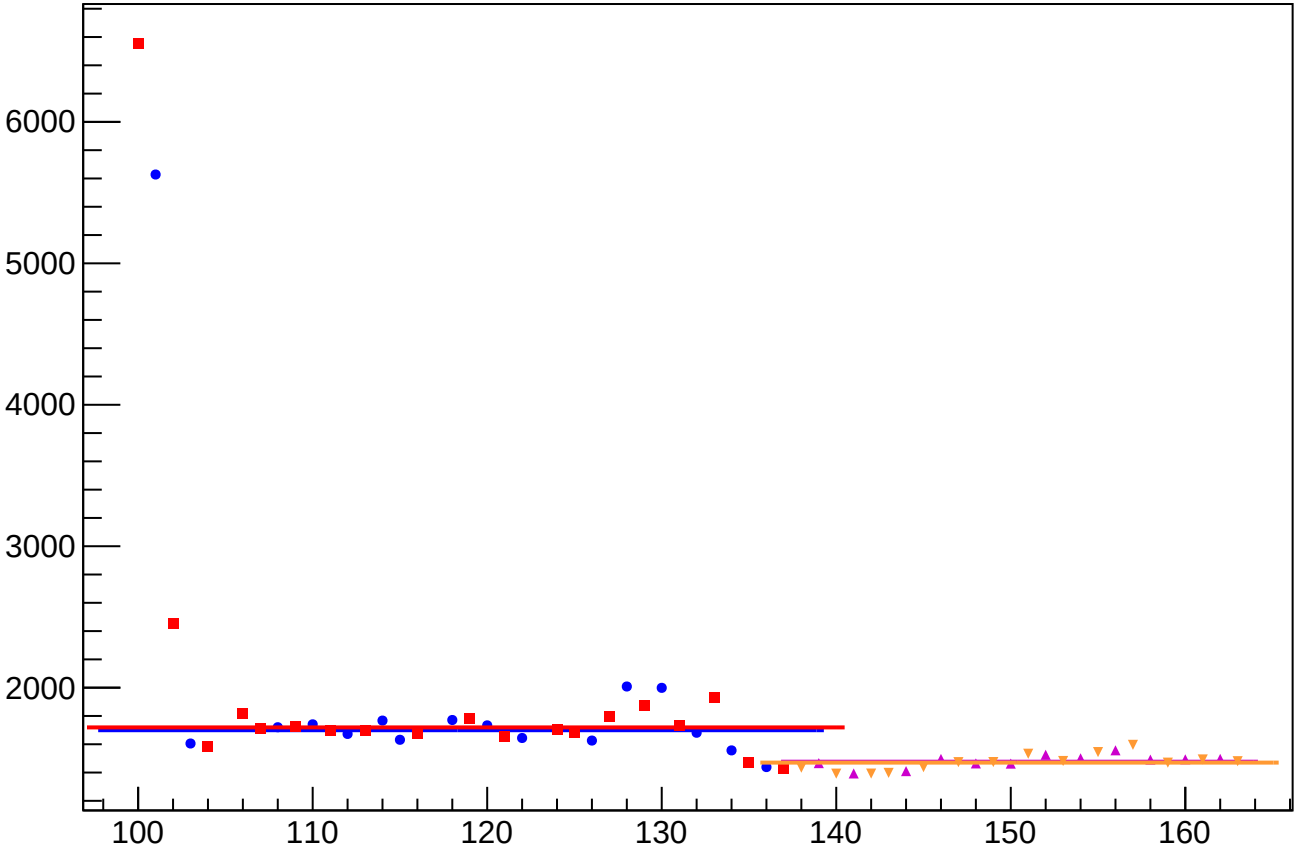
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 33.803+/-374.767 χ^2/NDF:36.4/27

Out: -453.748+/-362.594 χ^2/NDF:24.4/32

All: -218.019+/-260.590 χ^2/NDF: 61.6/60

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1470.274+/-0.311 χ^2/NDF:31819.7/13

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1476.702+/-0.325 χ^2/NDF:18274.6/11

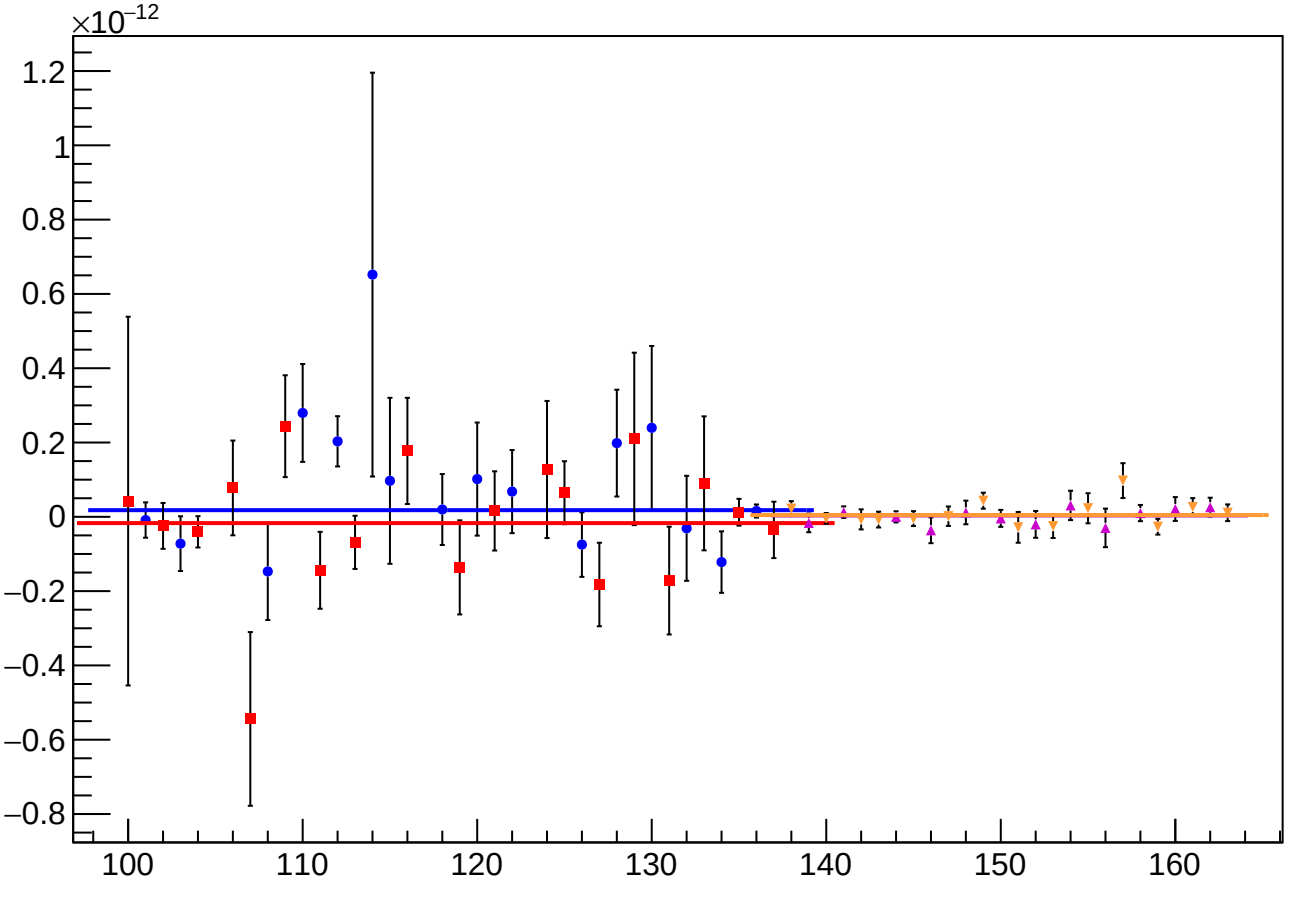
Left: 1473.348+/-0.224 χ^2/NDF: 50299.1/25

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1550.882+/-0.265 χ^2/NDF:937179.9/27

Out: 1549.648+/-0.256 χ^2/NDF:470179.6/32

All: 1550.245+/-0.184 χ^2/NDF: 1407370.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/11

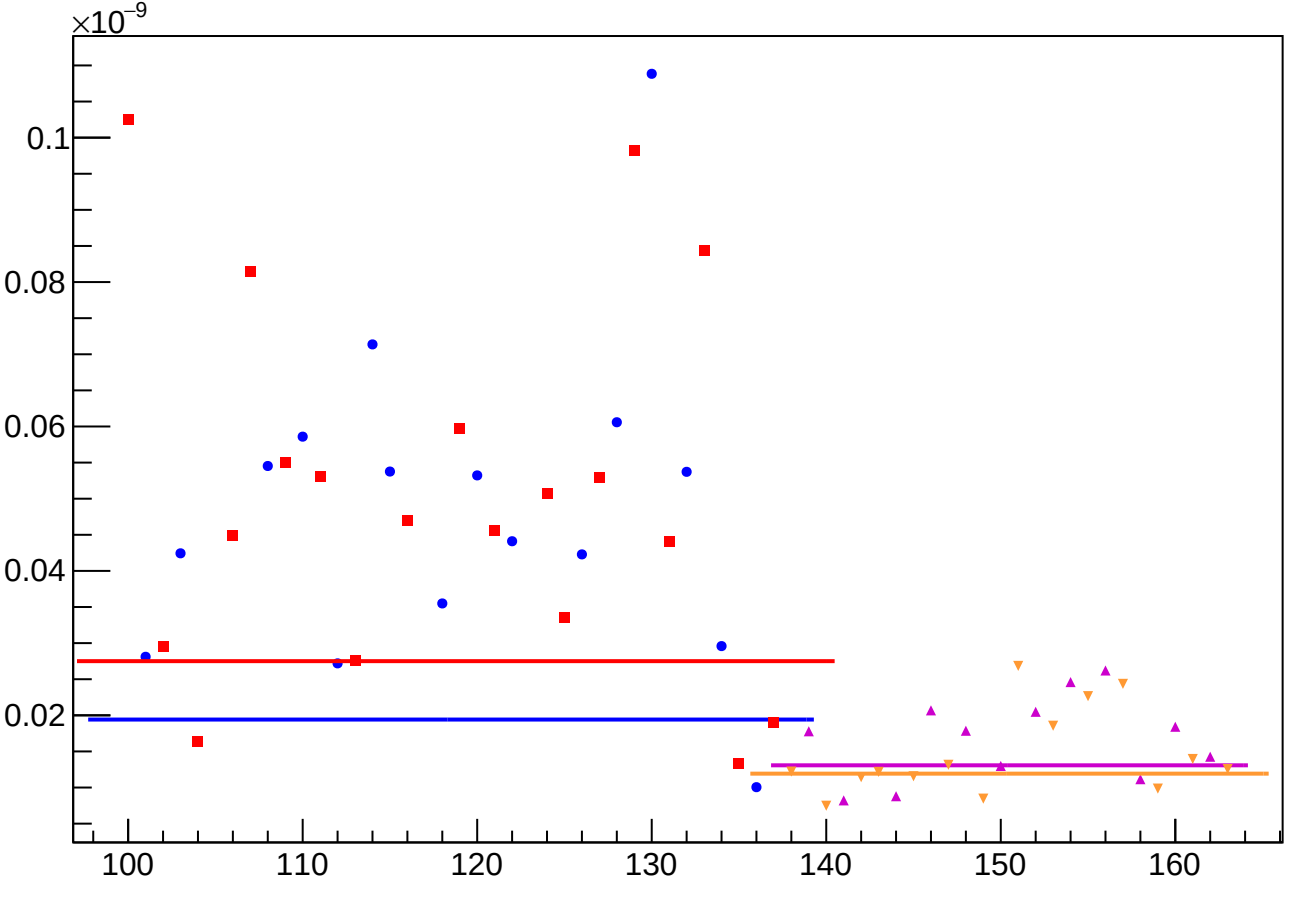
Left: 0.000+/-0.000 χ^2/NDF: 18.8/25

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:29.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.3/32

All: 0.000+/-0.000 χ^2/NDF: 65.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:910509.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1029572.3/11

Left: 0.000+/-0.000 χ^2/NDF: 1970296.5/25

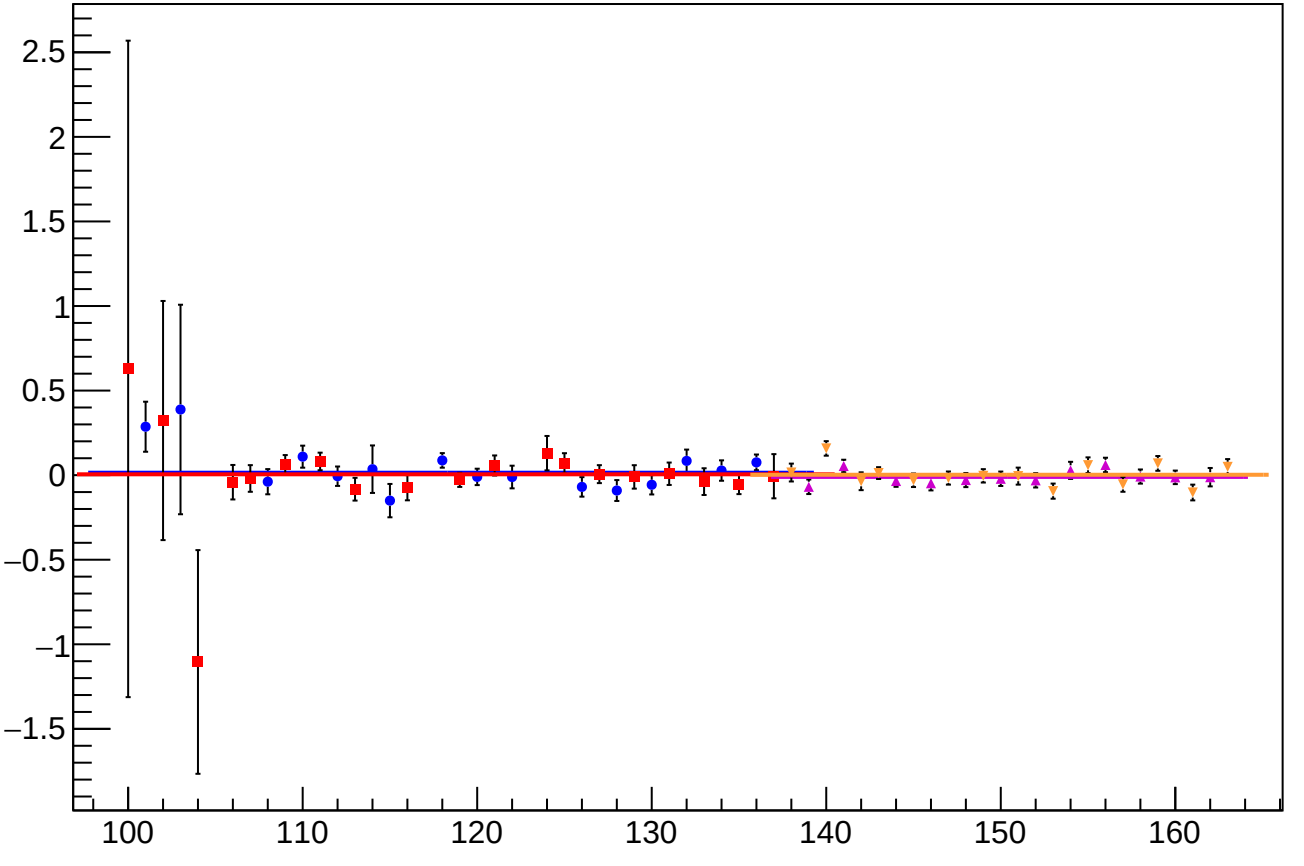
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3618151.5/27

Out: 0.000+/-0.000 χ^2/NDF:3761753.0/32

All: 0.000+/-0.000 χ^2/NDF: 7399860.3/60

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: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/11

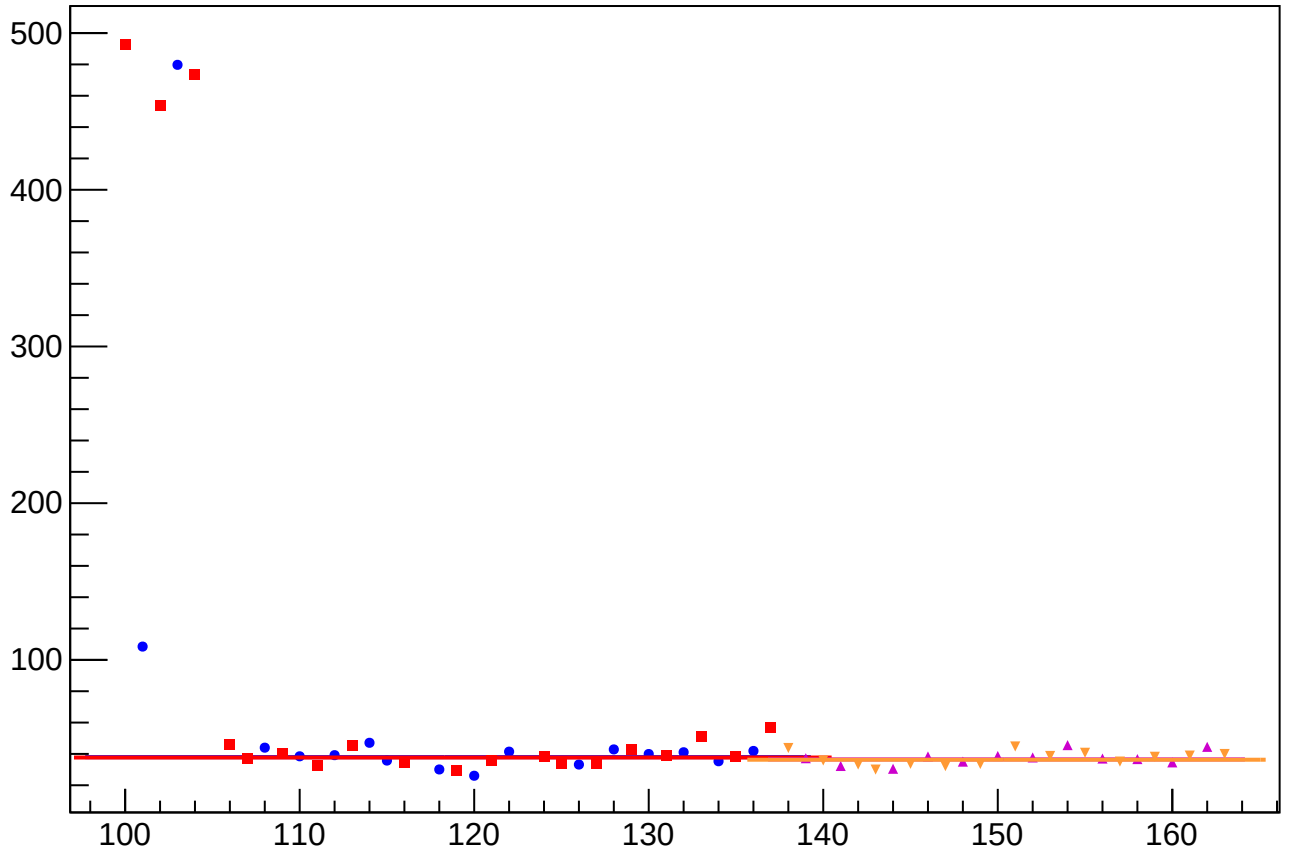
Left: -0.004+/-0.008 χ^2/NDF: 41.6/25

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/27

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.001+/-0.007 χ^2/NDF: 79.7/60



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.291+/-0.008 χ^2/NDF:257345.2/13

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.501+/-0.009 χ^2/NDF:212978.4/11

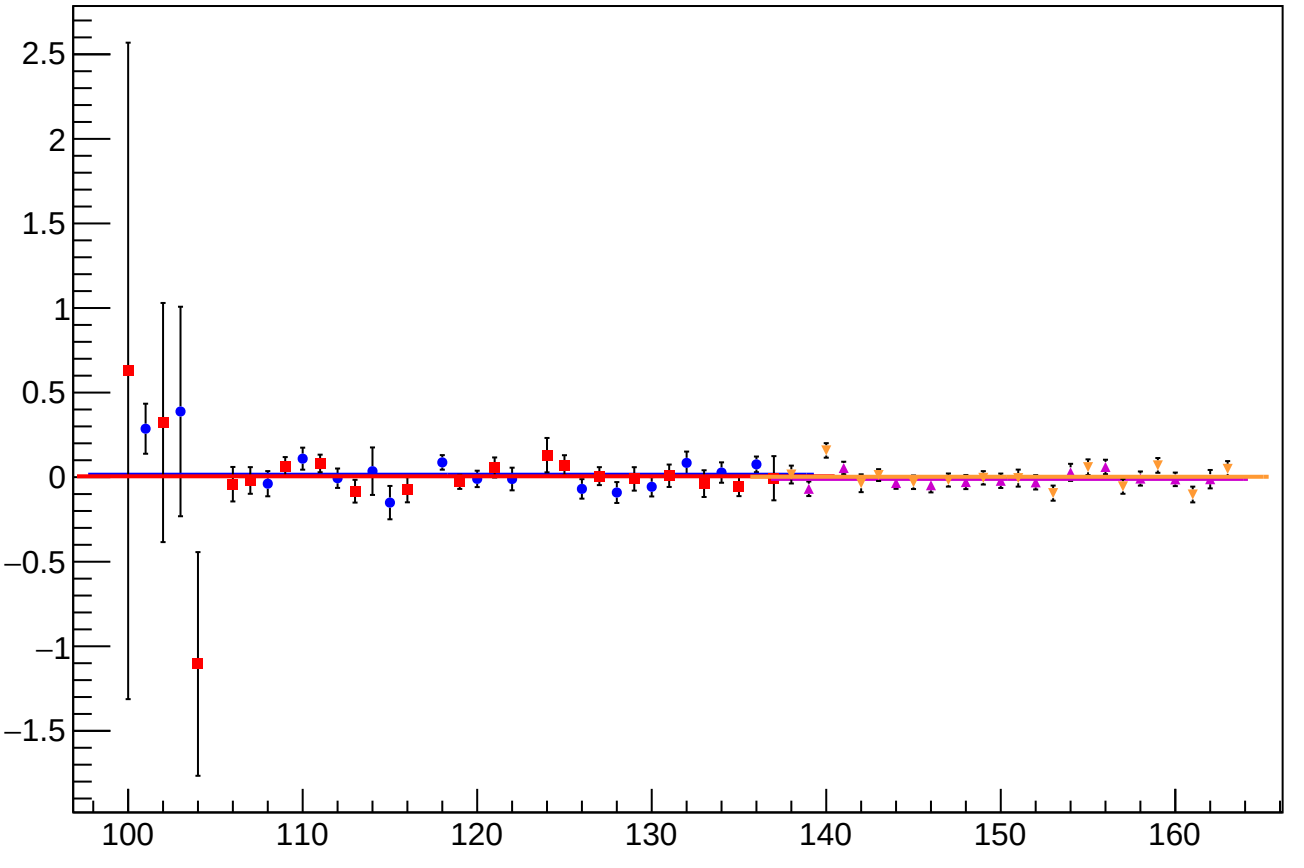
Left: 36.392+/-0.006 χ^2/NDF: 470634.3/25

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.029+/-0.007 χ^2/NDF:1963022.1/27

Out: 36.777+/-0.007 χ^2/NDF:2212245.8/32

All: 36.900+/-0.005 χ^2/NDF: 4175964.0/60



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/11

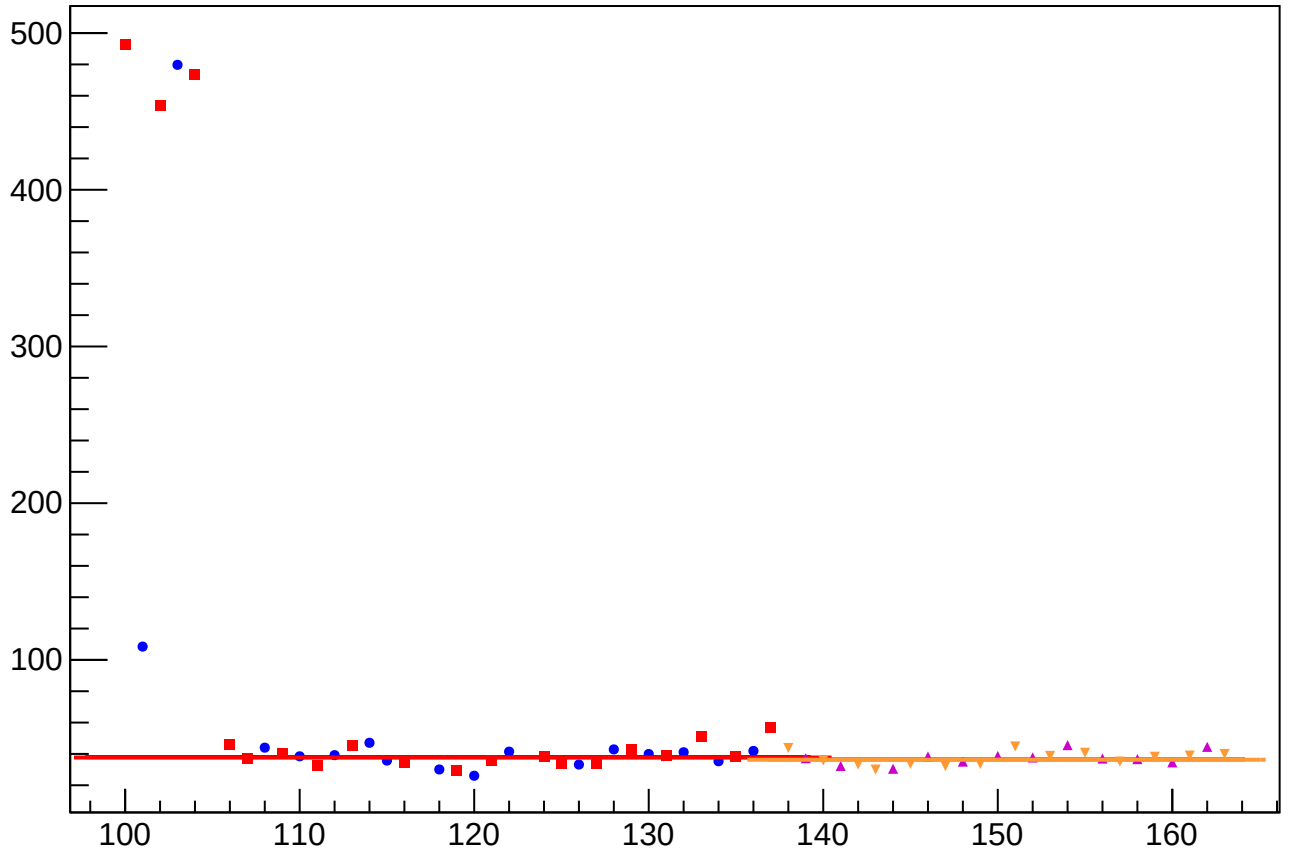
Left: -0.004+/-0.008 χ^2/NDF: 41.6/25

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/27

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.001+/-0.007 χ^2/NDF: 79.7/60



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.291+/-0.008 χ^2/NDF:257345.2/13

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.501+/-0.009 χ^2/NDF:212978.4/11

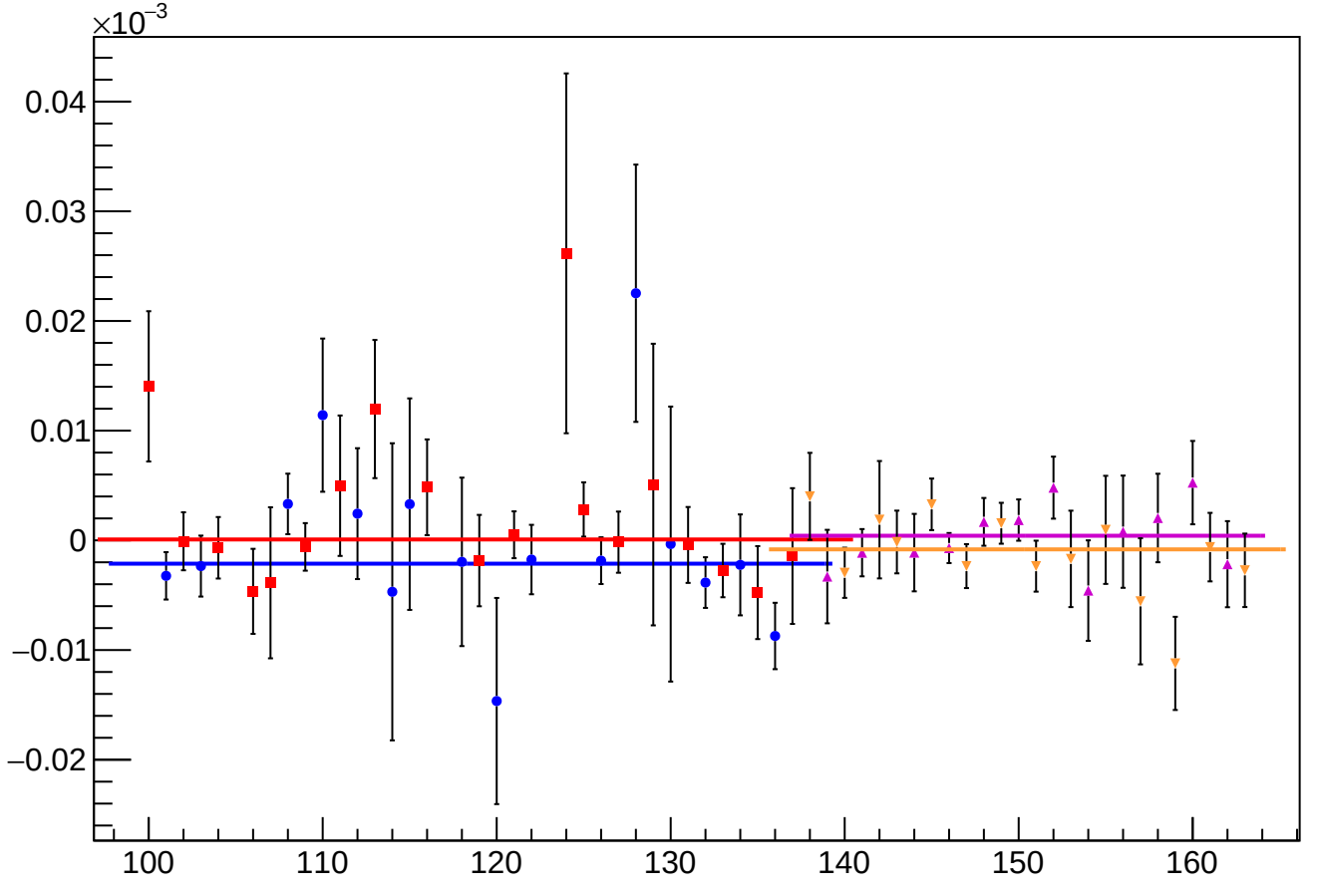
Left: 36.392+/-0.006 χ^2/NDF: 470634.3/25

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.029+/-0.007 χ^2/NDF:1963022.1/27

Out: 36.777+/-0.007 χ^2/NDF:2212245.8/32

All: 36.900+/-0.005 χ^2/NDF: 4175964.0/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/13

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

Left In: 0.000+/-0.000 χ^2/NDF:8.9/11

Left: -0.000+/-0.000 χ^2/NDF: 25.7/25

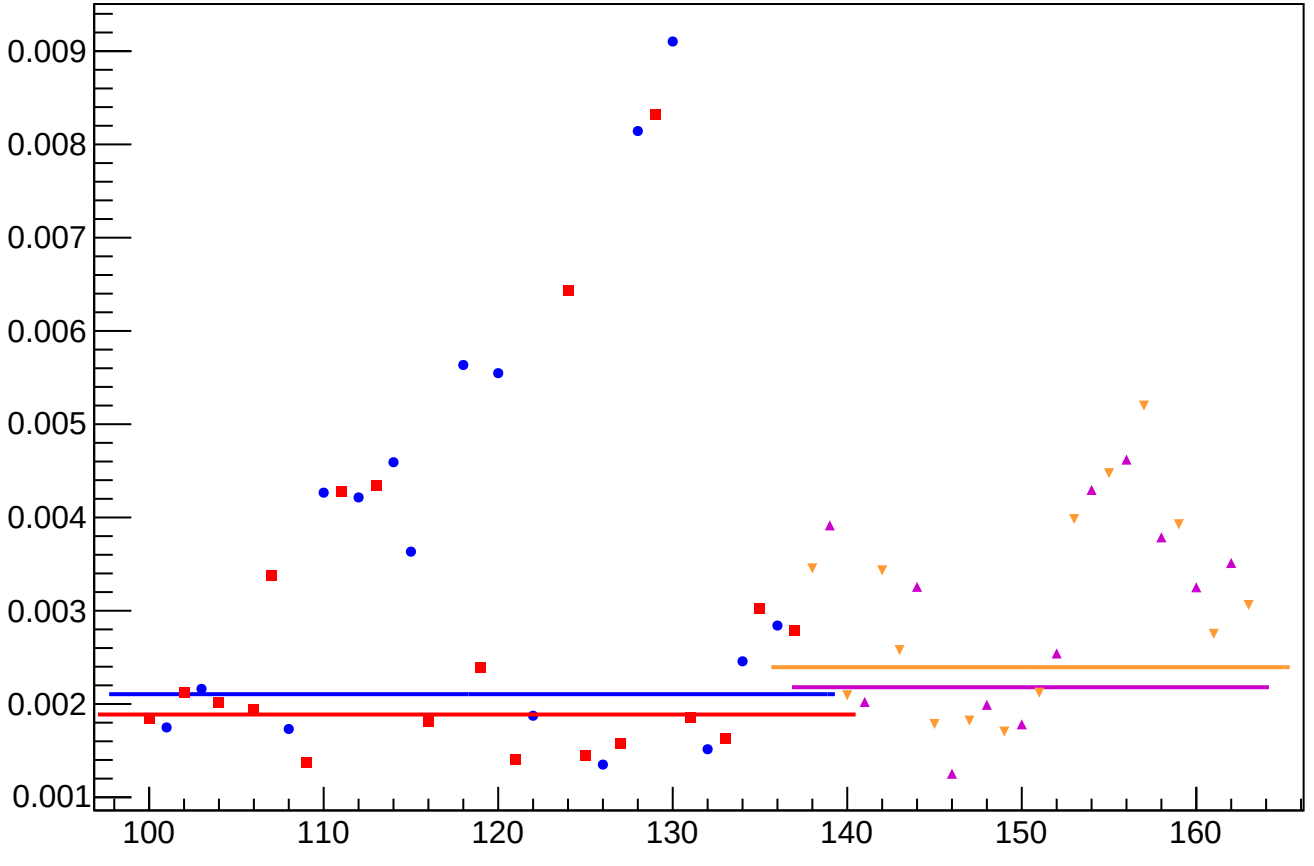
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:34.0/27

Out: -0.000+/-0.000 χ^2/NDF:34.6/32

All: -0.000+/-0.000 χ^2/NDF: 68.7/60

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:2319489.2/13

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3172434.3/11

Left: 0.002+/-0.000 χ^2/NDF: 5571887.5/25

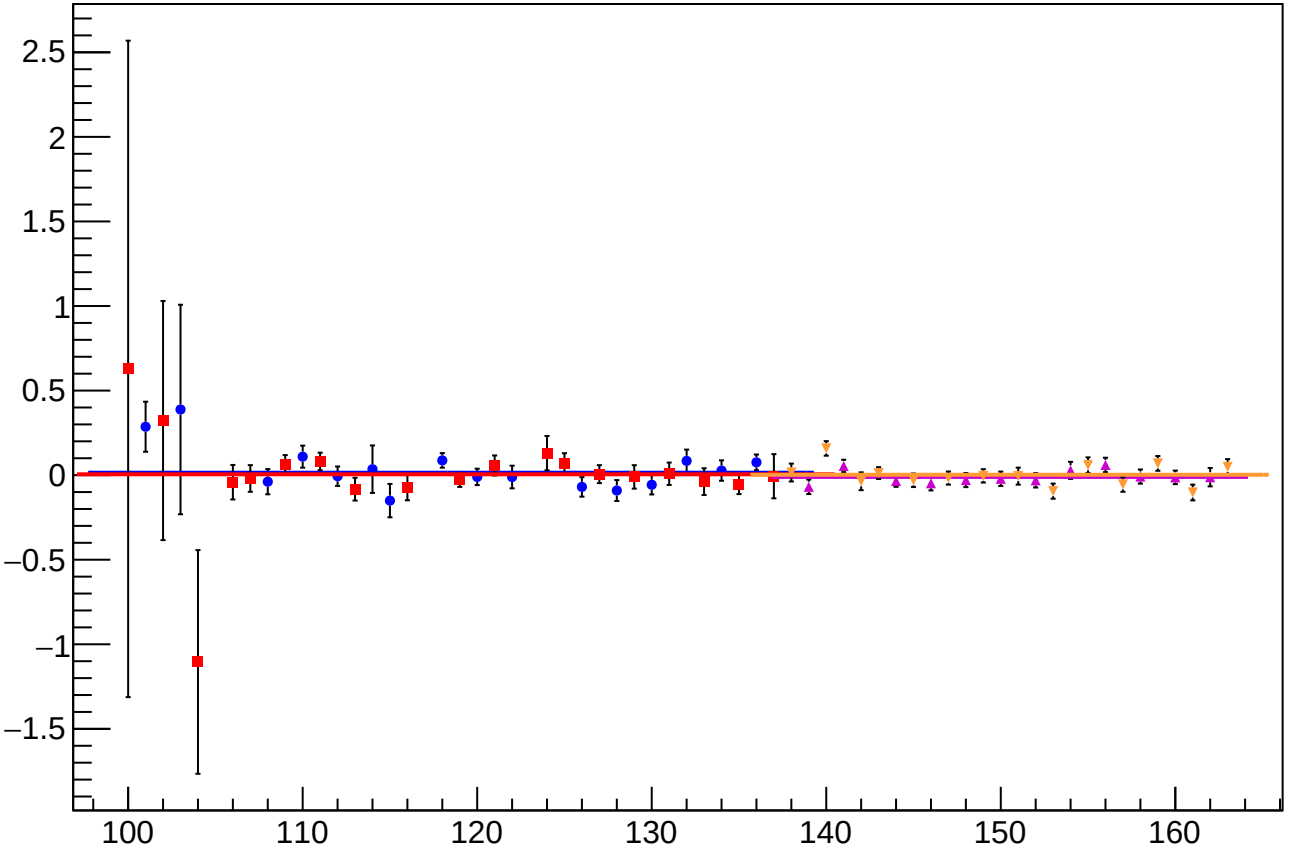
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6198165.6/27

Out: 0.002+/-0.000 χ^2/NDF:4635010.1/32

All: 0.002+/-0.000 χ^2/NDF: 10833191.1/60

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/11

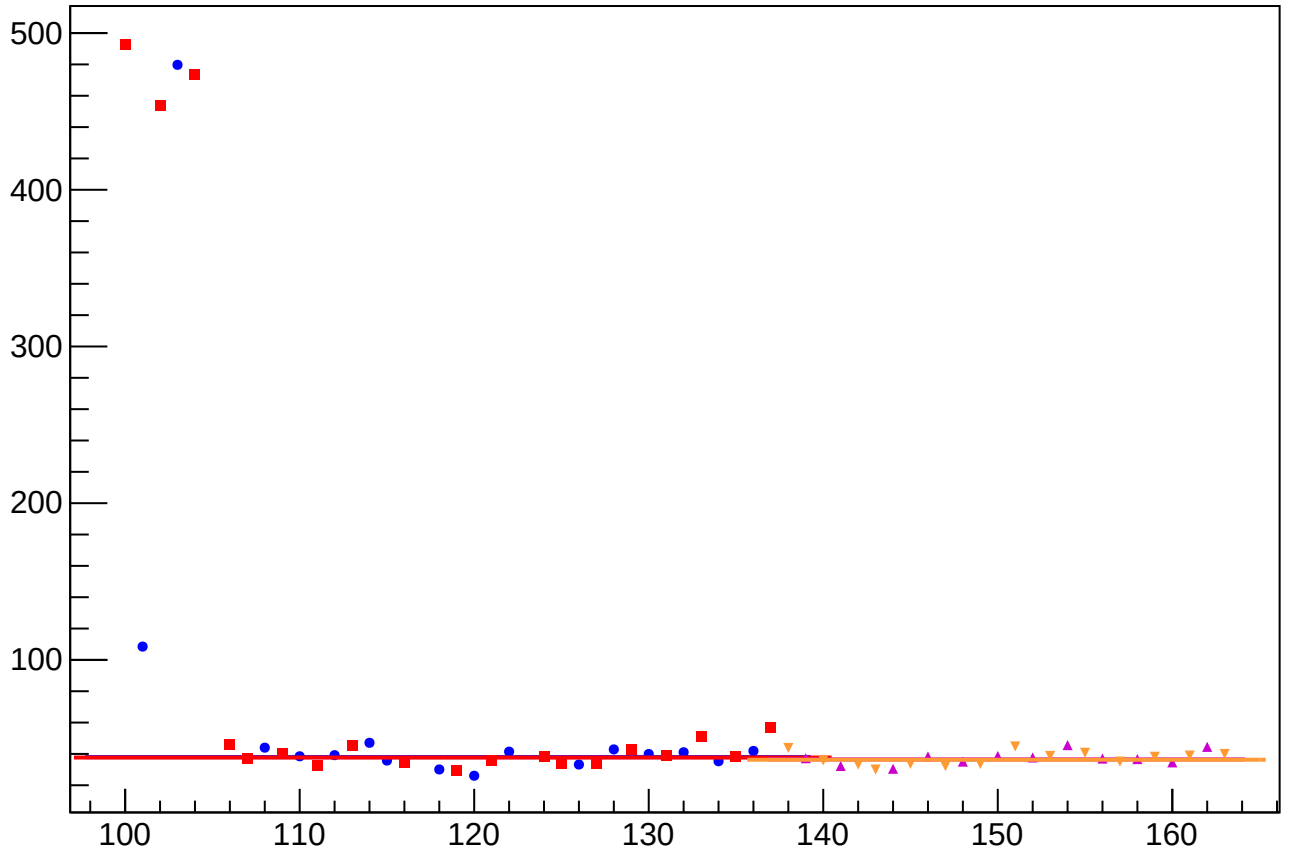
Left: -0.004+/-0.008 χ^2/NDF: 41.6/25

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/27

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.001+/-0.007 χ^2/NDF: 79.7/60



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.291+/-0.008 χ^2/NDF:257398.5/13

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.501+/-0.009 χ^2/NDF:213012.3/11

Left: 36.392+/-0.006 χ^2/NDF: 470720.6/25

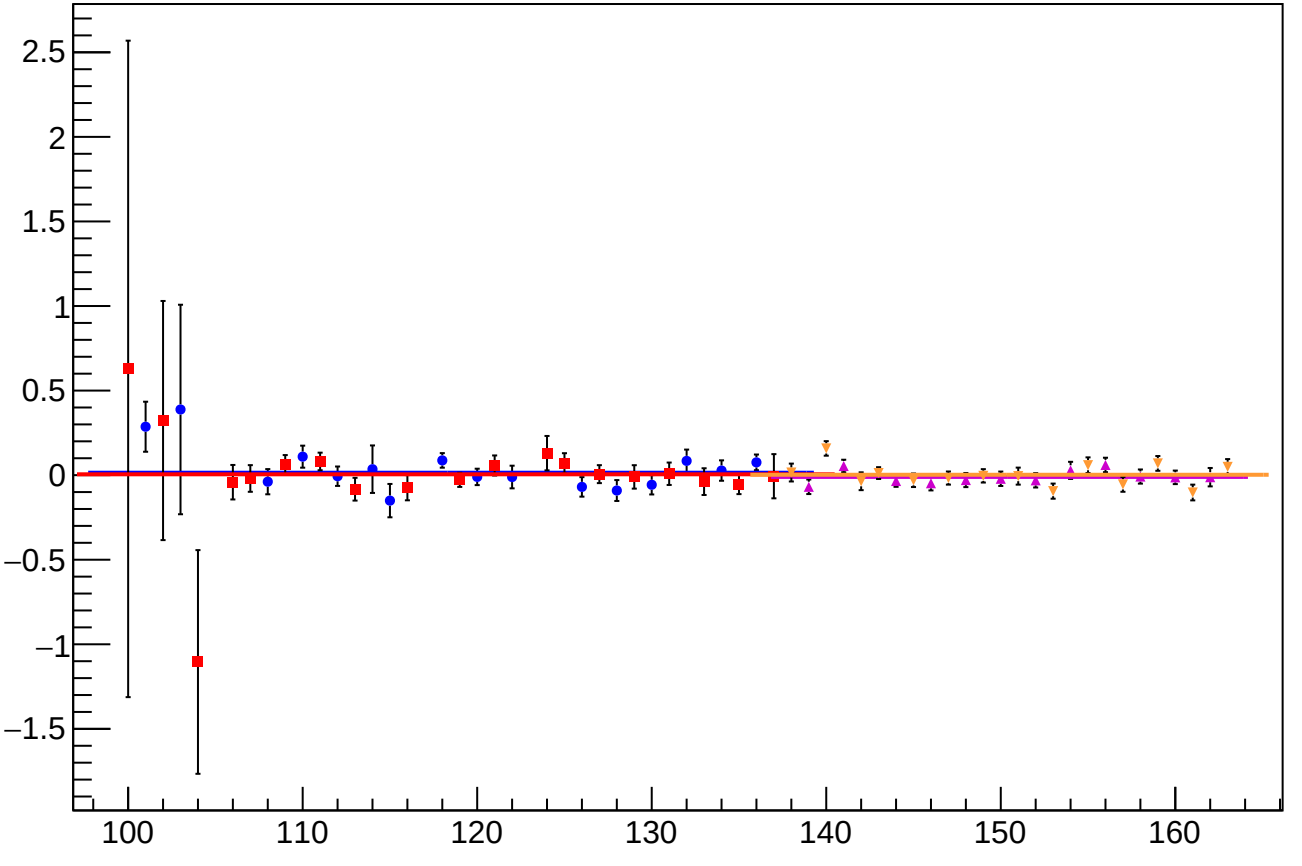
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.028+/-0.007 χ^2/NDF:1963065.8/27

Out: 36.777+/-0.007 χ^2/NDF:2212360.6/32

All: 36.900+/-0.005 χ^2/NDF: 4176122.7/60

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: 0.002+/-0.012 χ^2/NDF:31.1/13

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.012 χ^2/NDF:10.0/11

Left: -0.004+/-0.008 χ^2/NDF: 41.6/25

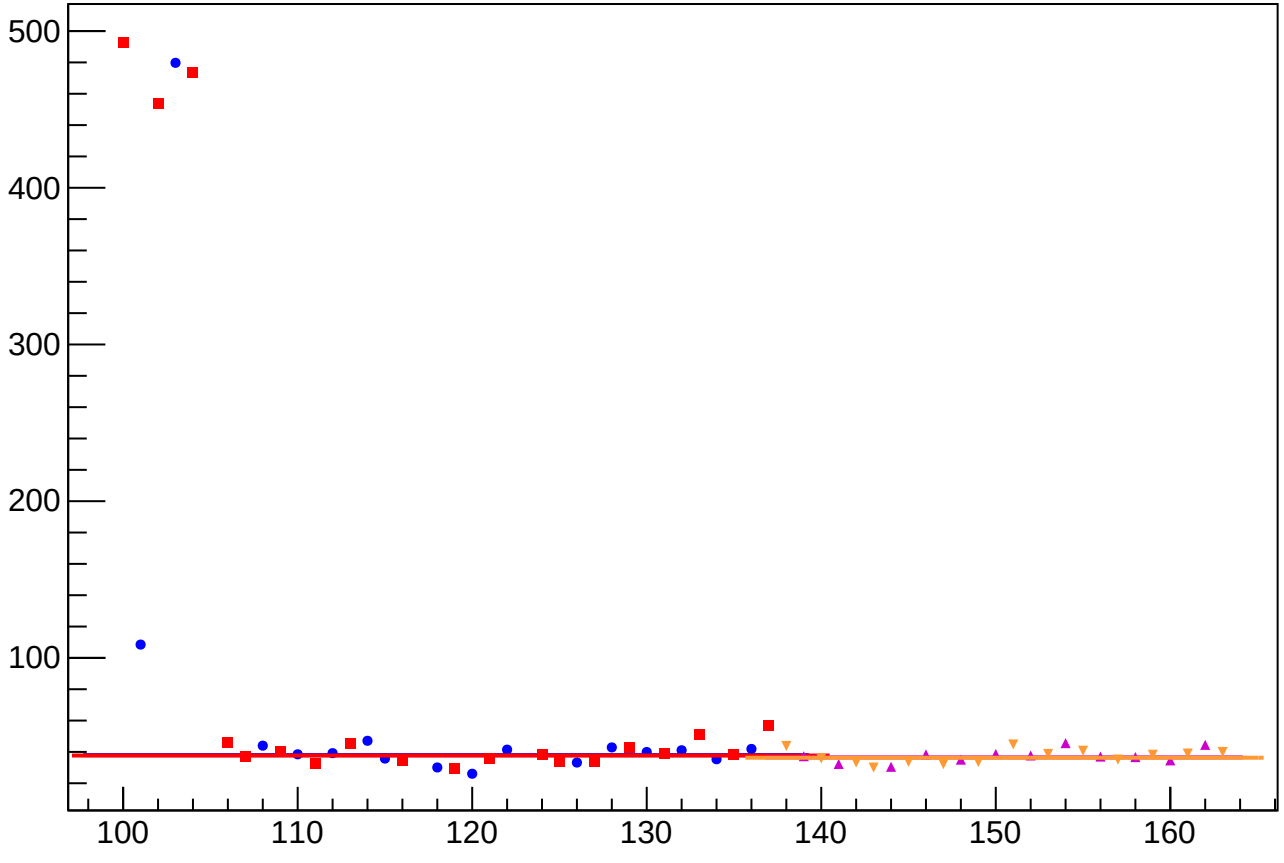
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.010 χ^2/NDF:33.5/27

Out: 0.003+/-0.009 χ^2/NDF:46.0/32

All: 0.001+/-0.007 χ^2/NDF: 79.7/60

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.291+/-0.008 χ^2/NDF:257398.5/13

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.501+/-0.009 χ^2/NDF:213012.3/11

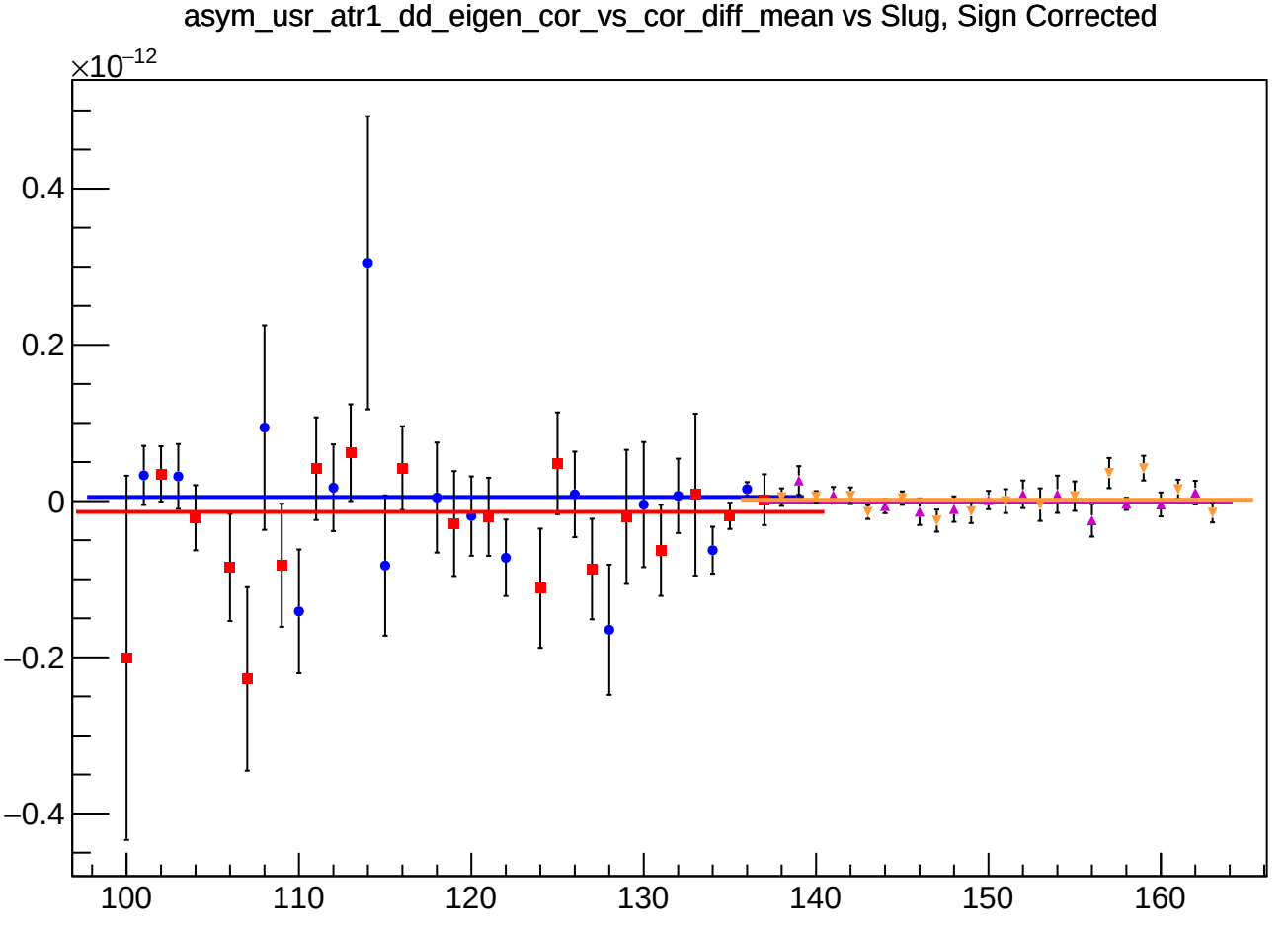
Left: 36.392+/-0.006 χ^2/NDF: 470720.6/25

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.028+/-0.007 χ^2/NDF:1963065.8/27

Out: 36.777+/-0.007 χ^2/NDF:2212360.6/32

All: 36.900+/-0.005 χ^2/NDF: 4176122.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/11

Left: 0.000+/-0.000 χ^2/NDF: 28.0/25

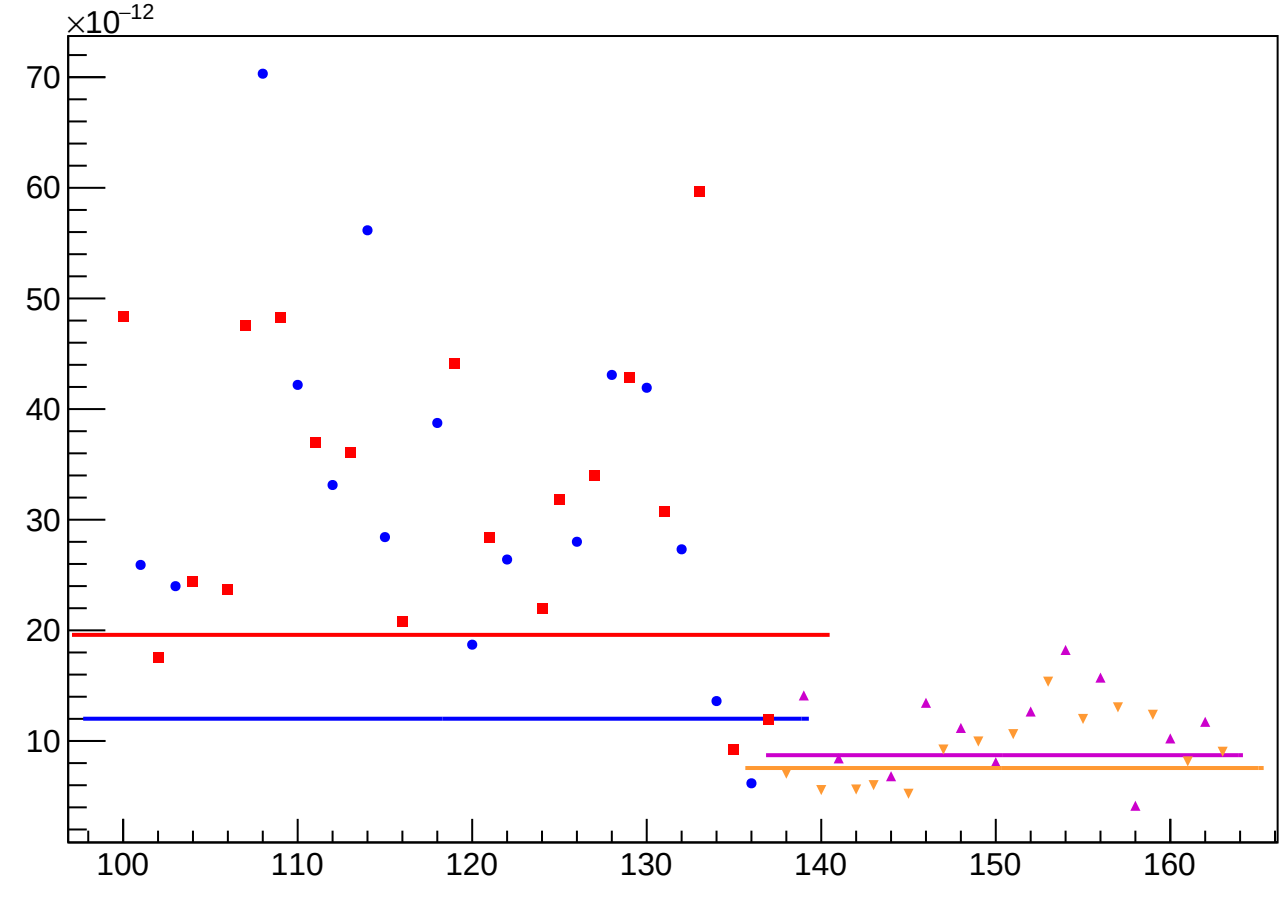
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.7/27

Out: 0.000+/-0.000 χ^2/NDF:39.1/32

All: 0.000+/-0.000 χ^2/NDF: 67.9/60

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1358081.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1908070.9/11

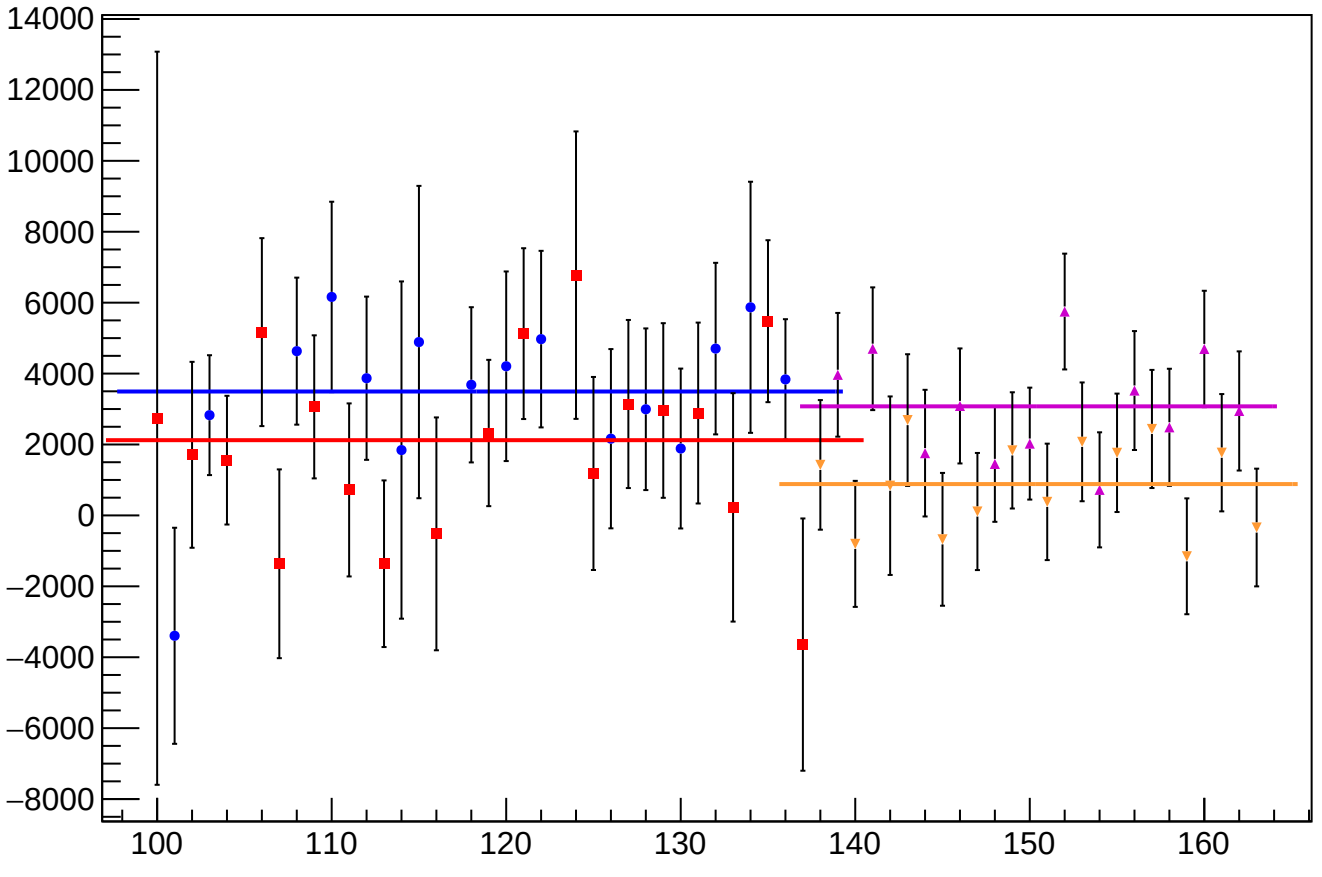
Left: 0.000+/-0.000 χ^2/NDF: 3378265.4/25

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6082332.9/27

Out: 0.000+/-0.000 χ^2/NDF:6363291.1/32

All: 0.000+/-0.000 χ^2/NDF: 12512636.6/60



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.653+/-464.411 χ^2/NDF:7.3/13

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3075.738+/-480.299 χ^2/NDF:9.1/11

Left: 1942.840+/-333.864 χ^2/NDF: 27.2/25

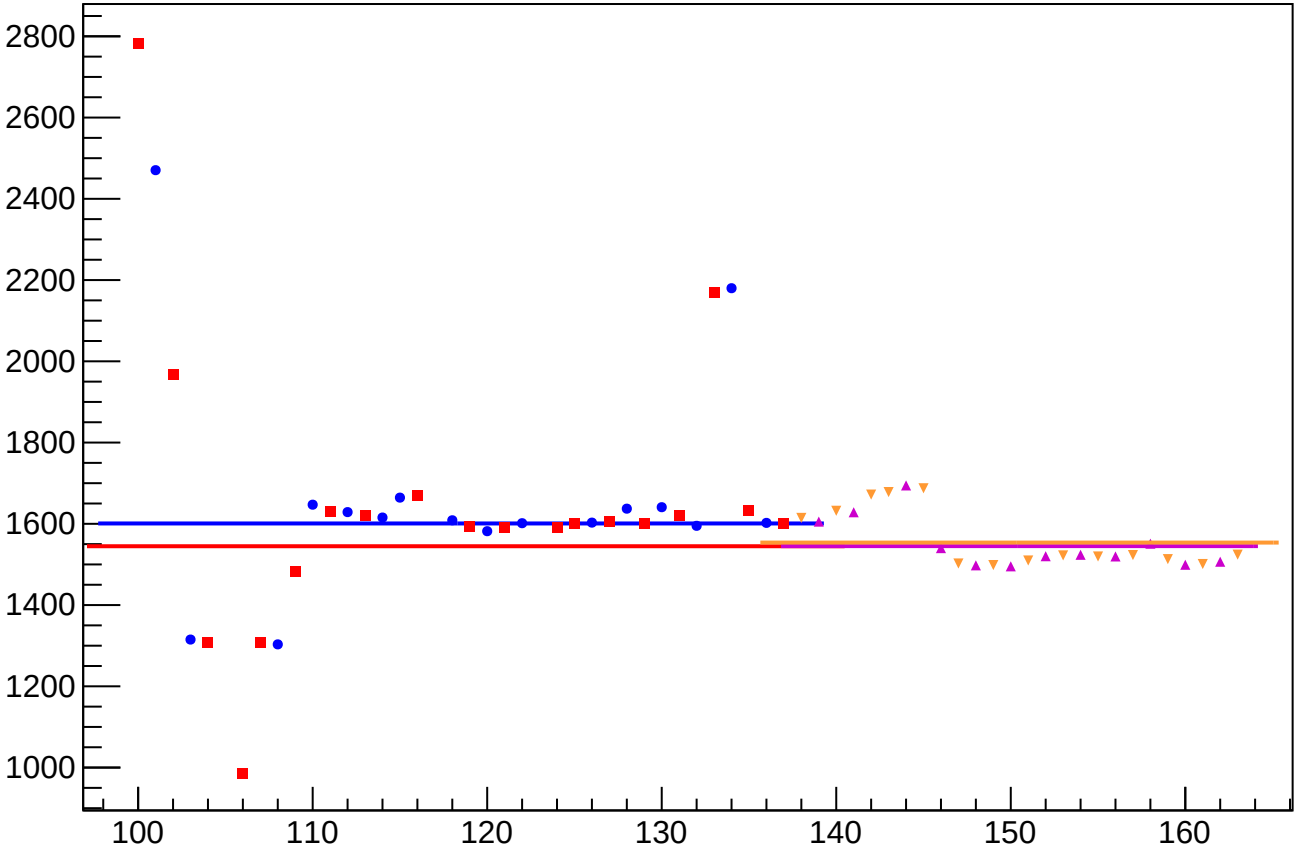
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3238.842+/-375.248 χ^2/NDF:18.2/27

Out: 1359.654+/-364.356 χ^2/NDF:25.1/32

All: 2271.580+/-261.405 χ^2/NDF: 56.2/60

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1545.124+/-0.340 χ^2/NDF:28605.6/11

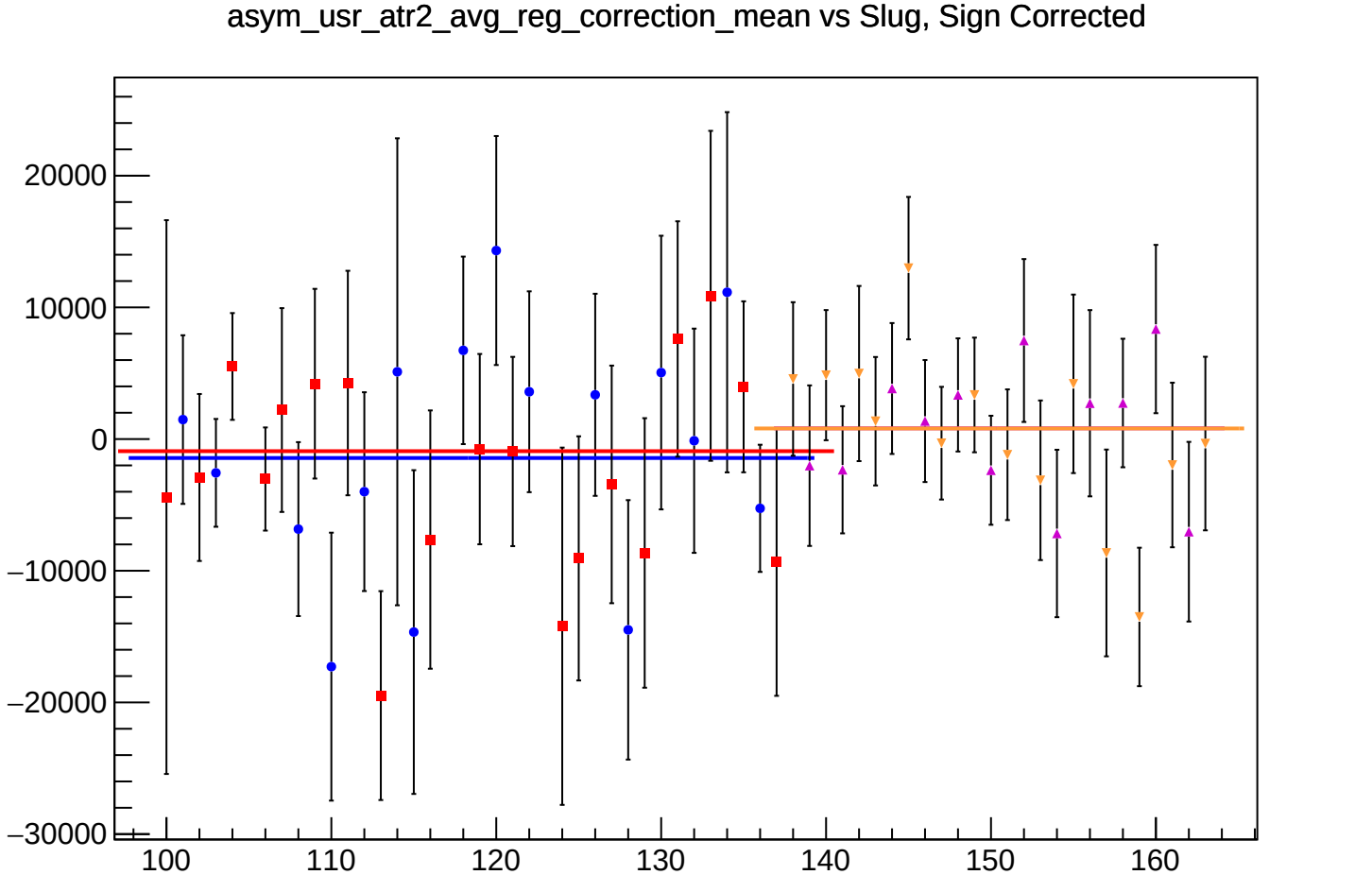
Left: 1549.619+/-0.236 χ^2/NDF: 70395.1/25

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1566.846+/-0.265 χ^2/NDF:356520.1/27

Out: 1550.284+/-0.256 χ^2/NDF:417873.5/32

All: 1558.267+/-0.184 χ^2/NDF: 776411.7/60



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 805.463+/-1463.047 χ^2/NDF:16.9/13

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 815.464+/-1528.128 χ^2/NDF:7.7/11

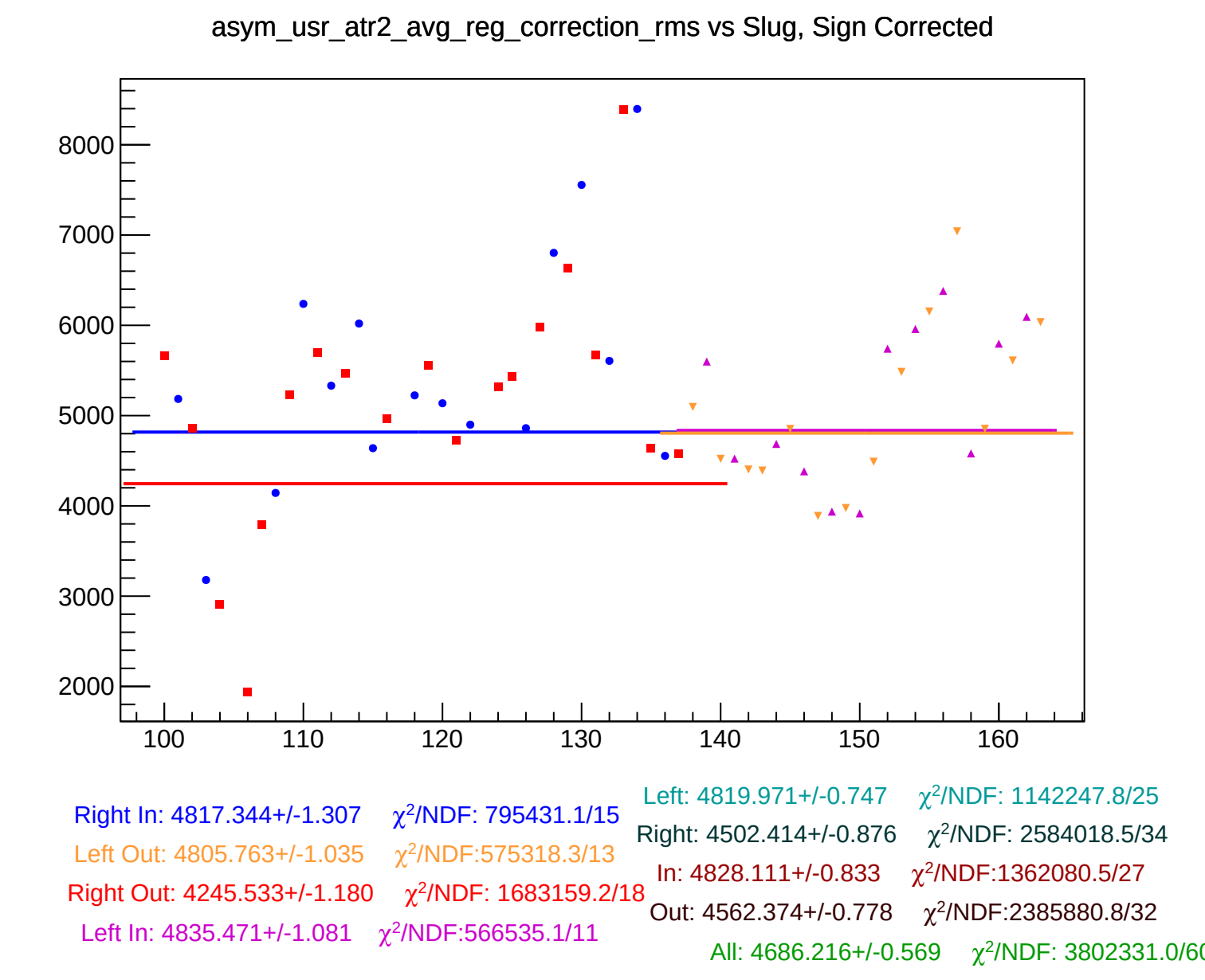
Left: 810.246+/-1056.789 χ^2/NDF: 24.5/25

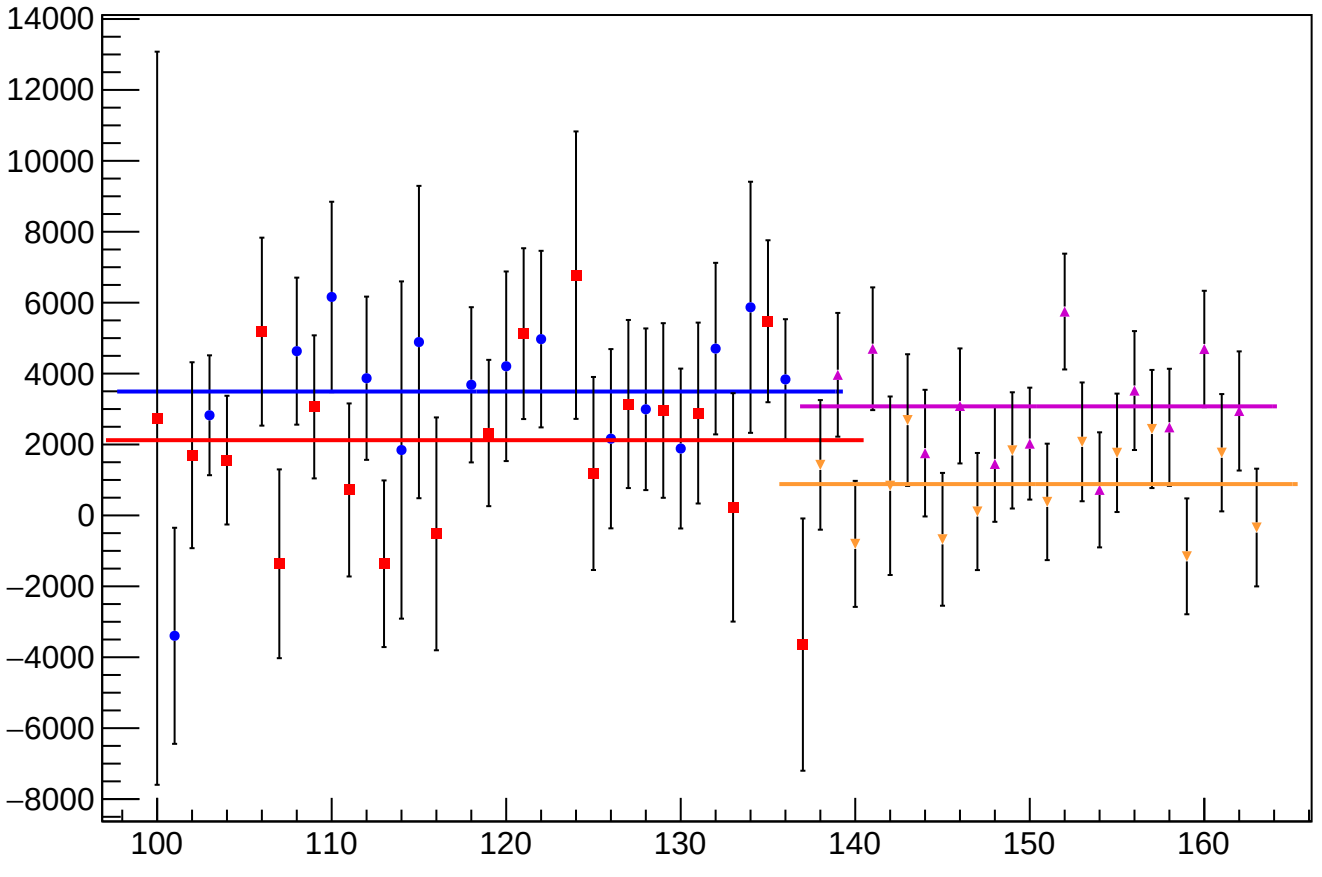
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -99.135+/-1177.727 χ^2/NDF:22.4/27

Out: 56.503+/-1100.261 χ^2/NDF:32.8/32

All: -16.030+/-803.994 χ^2/NDF: 55.2/60


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 4817.344+/-1.307 χ²/NDF: 795431.1/15
Left Out: 4805.763+/-1.035 χ²/NDF:575318.3/13
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 4835.471+/-1.081 χ²/NDF:566535.1/11
Left: 4819.971+/-0.747 χ²/NDF: 1142247.8/25
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4828.111+/-0.833 χ²/NDF:1362080.5/27
Out: 4562.374+/-0.778 χ²/NDF:2385880.8/32
All: 4686.216+/-0.569 χ²/NDF: 3802331.0/60



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3075.768+/-480.299 χ^2/NDF:9.1/11

Left: 1942.757+/-333.864 χ^2/NDF: 27.2/25

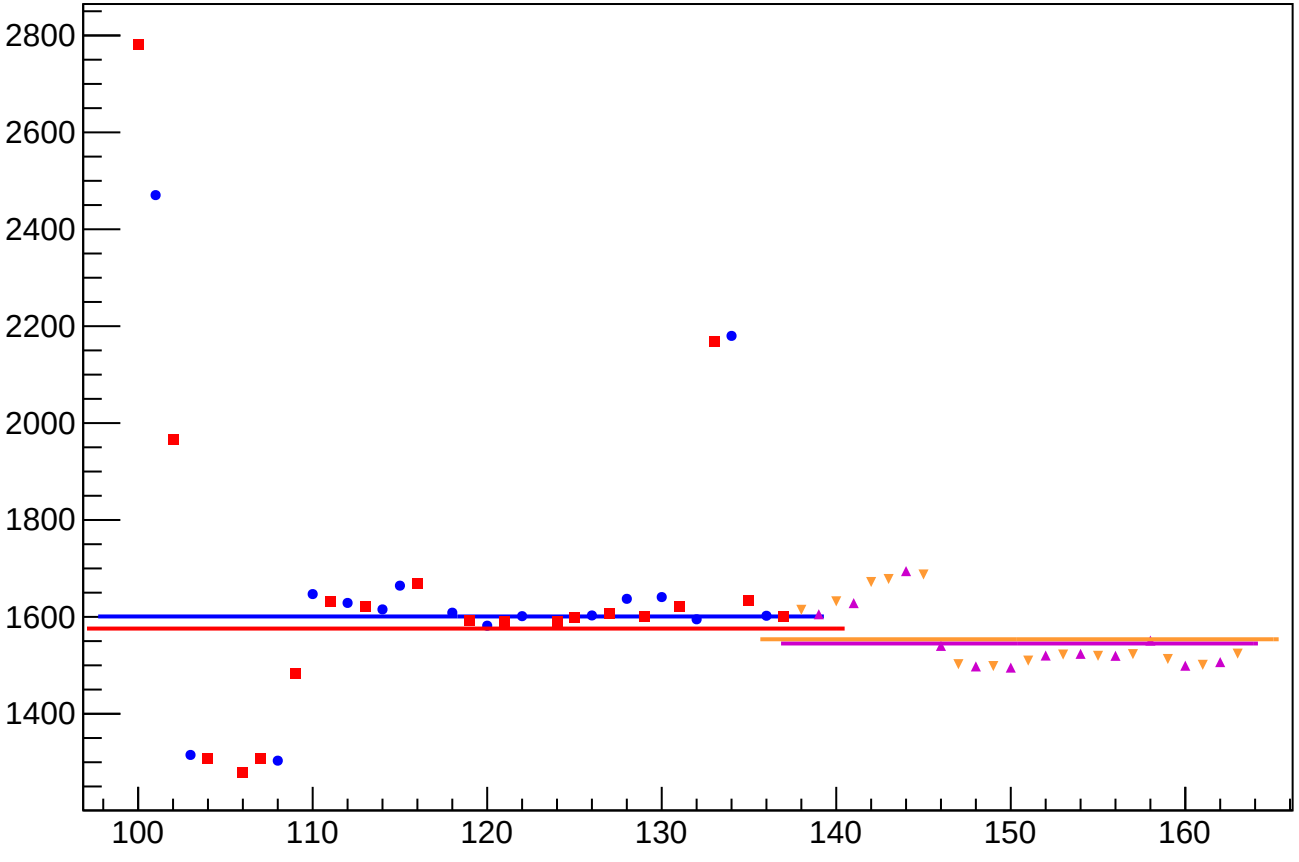
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3238.729+/-375.248 χ^2/NDF:18.2/27

Out: 1359.531+/-364.357 χ^2/NDF:25.1/32

All: 2271.465+/-261.405 χ^2/NDF: 56.2/60

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1545.124+/-0.340 χ^2/NDF:28605.6/11

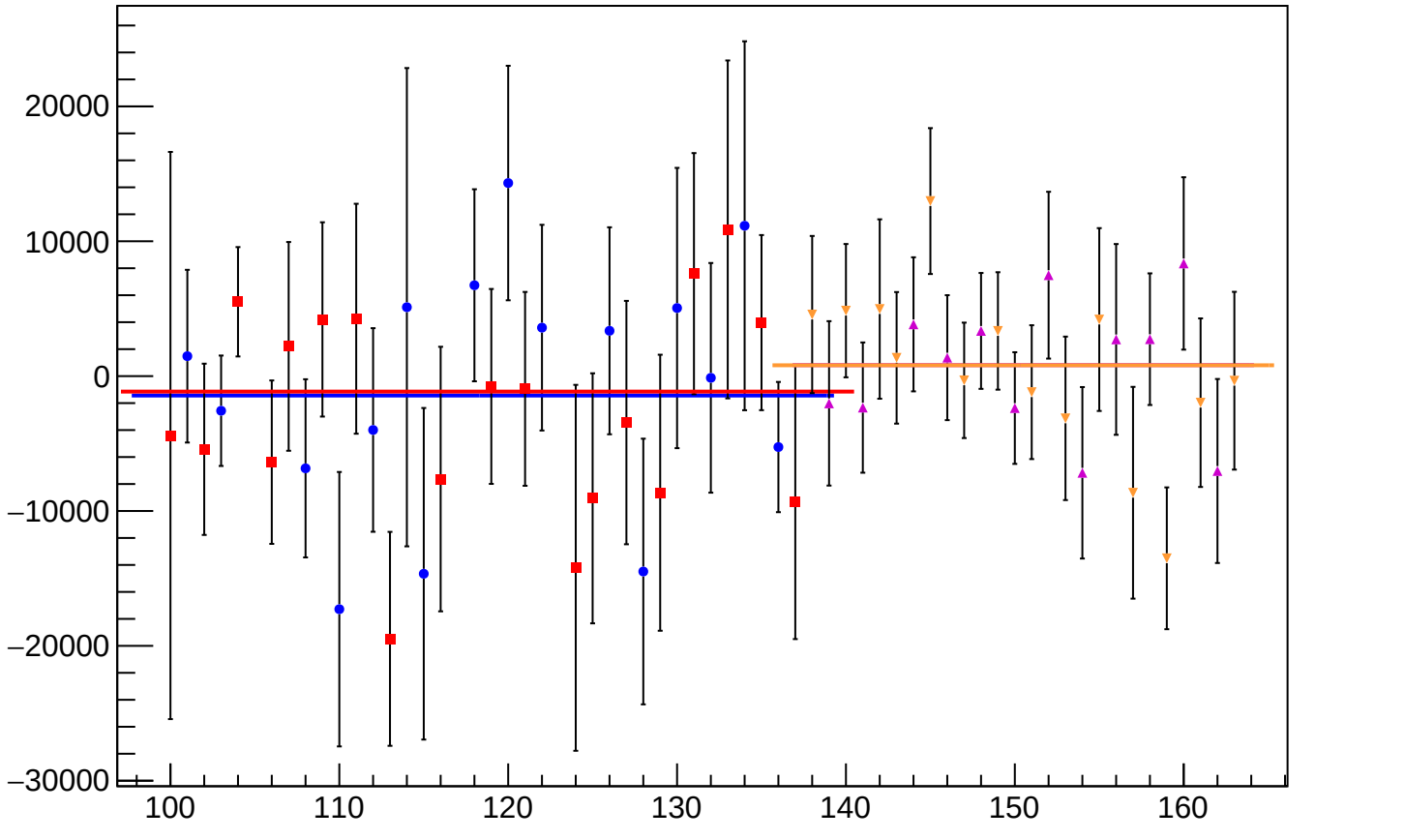
Left: 1549.619+/-0.236 χ^2/NDF: 70395.1/25

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1566.846+/-0.265 χ^2/NDF:356519.3/27

Out: 1562.351+/-0.257 χ^2/NDF:286529.0/32

All: 1564.529+/-0.185 χ^2/NDF: 643196.3/60



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 805.419+/-1463.044 χ^2/NDF:16.9/13

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 815.561+/-1528.128 χ^2/NDF:7.7/11

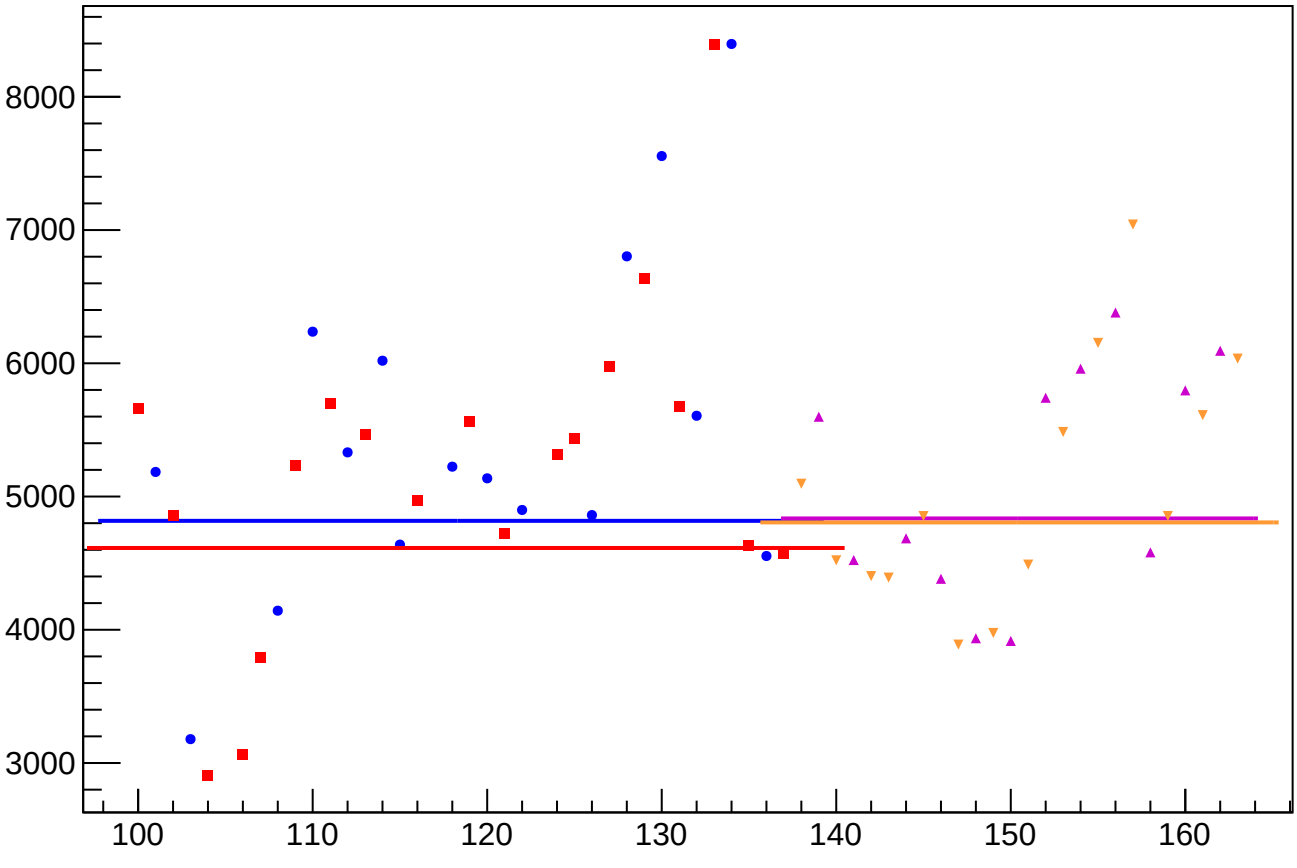
Left: 810.269+/-1056.788 χ^2/NDF: 24.5/25

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -99.155+/-1177.737 χ^2/NDF:22.4/27

Out: 10.798+/-1126.482 χ^2/NDF:33.9/32

All: -41.734+/-814.060 χ^2/NDF: 56.3/60



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4835.471+/-1.081 χ^2/NDF:566536.4/11

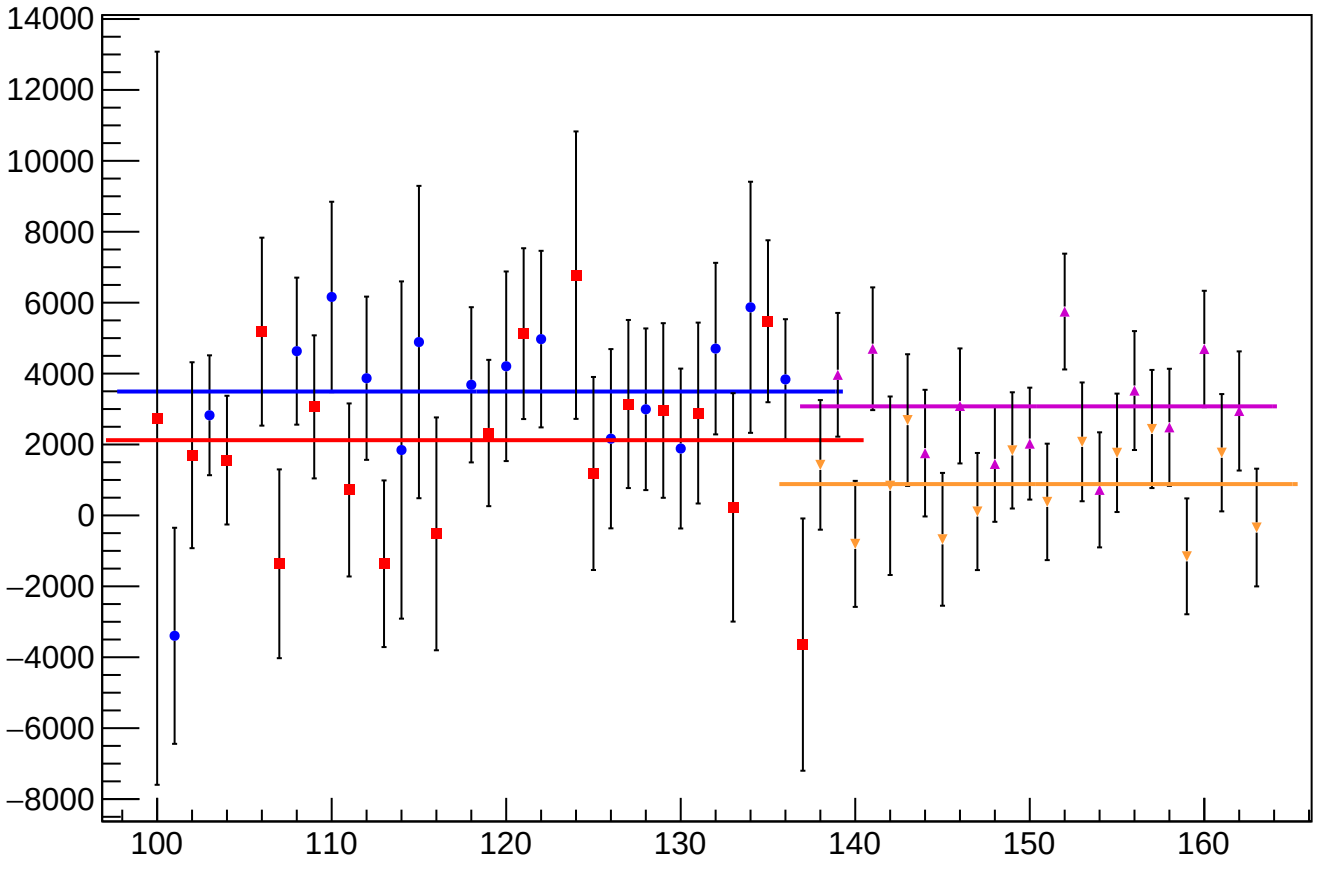
Left: 4819.966+/-0.747 χ^2/NDF: 1142258.0/25

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4828.166+/-0.833 χ^2/NDF:1361882.2/27

Out: 4727.617+/-0.797 χ^2/NDF:1567295.5/32

All: 4775.656+/-0.576 χ^2/NDF: 2936790.6/60



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 883.464+/-464.411 χ^2/NDF:7.3/13

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3075.768+/-480.299 χ^2/NDF:9.1/11

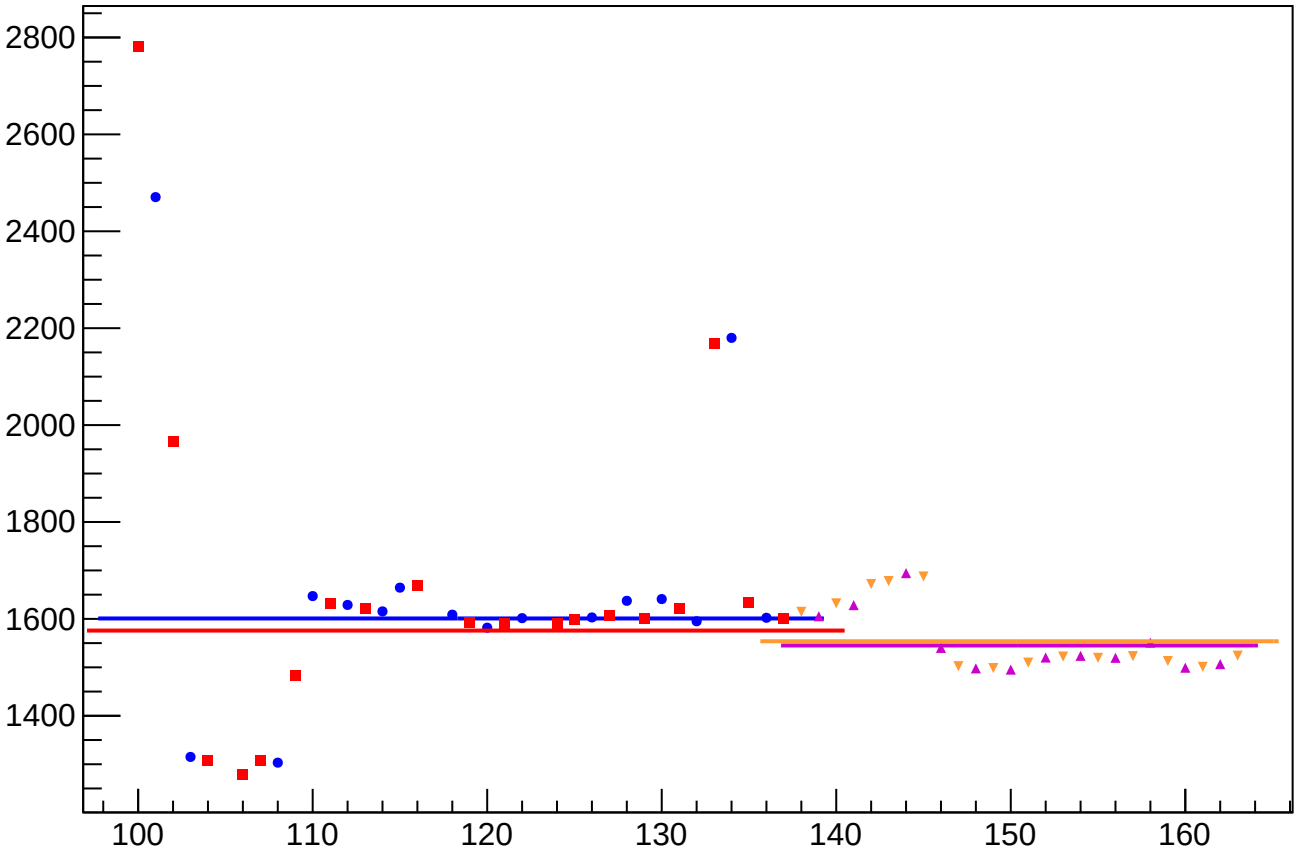
Left: 1942.757+/-333.864 χ^2/NDF: 27.2/25

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3238.729+/-375.248 χ^2/NDF:18.2/27

Out: 1359.531+/-364.357 χ^2/NDF:25.1/32

All: 2271.465+/-261.405 χ^2/NDF: 56.2/60



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1553.821+/-0.328 χ^2/NDF:41450.5/13

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1545.124+/-0.340 χ^2/NDF:28605.6/11

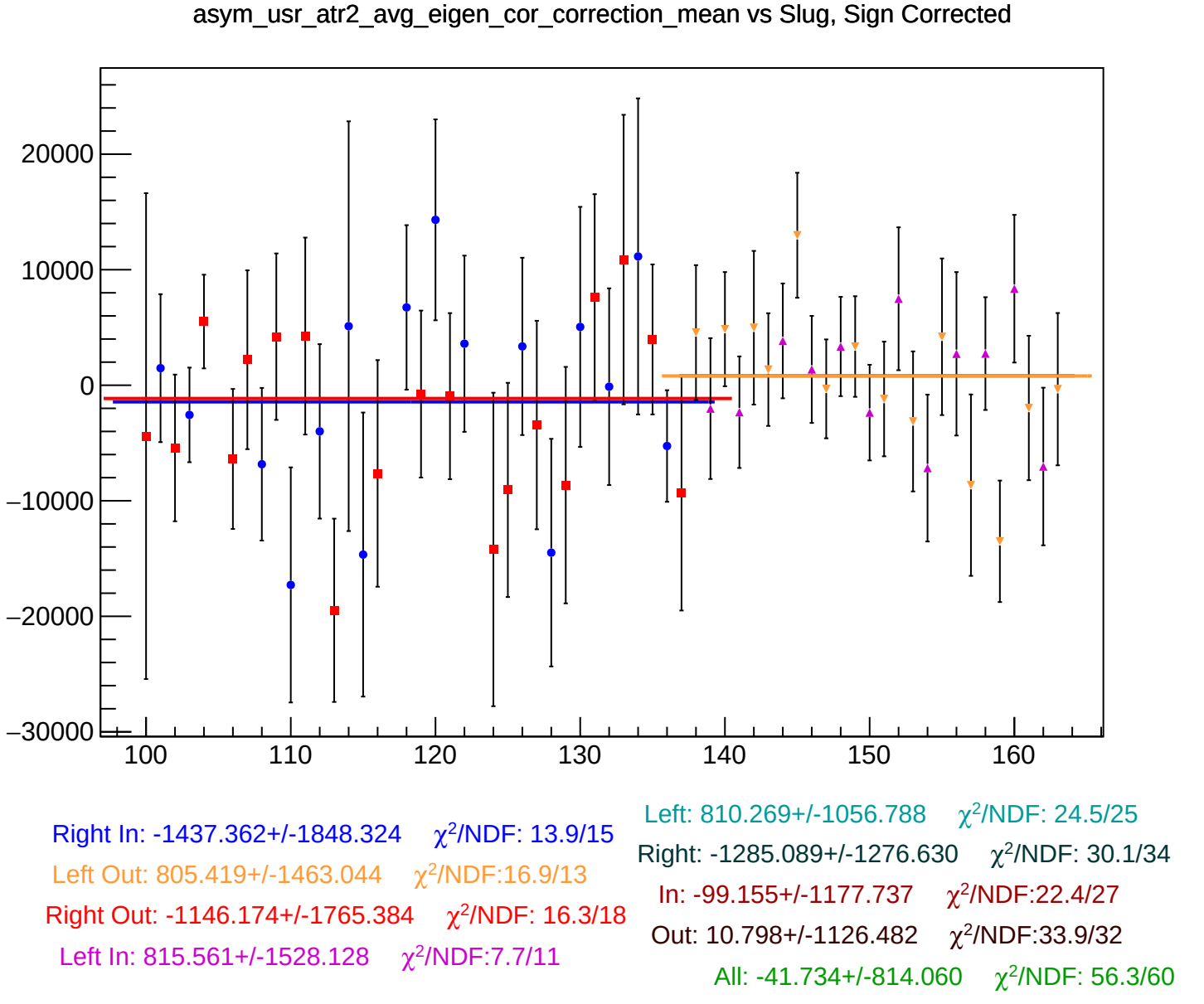
Left: 1549.619+/-0.236 χ^2/NDF: 70395.1/25

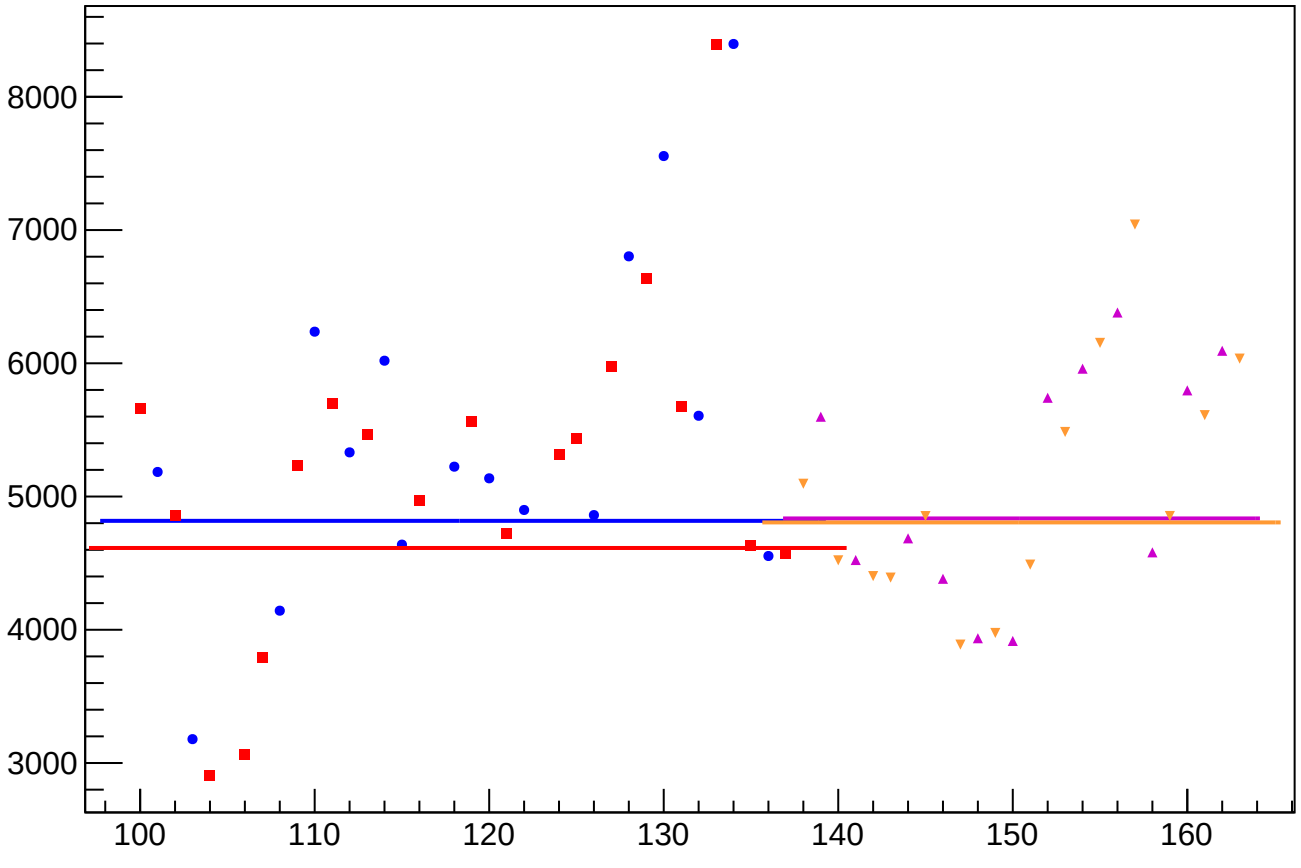
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1566.846+/-0.265 χ^2/NDF:356519.3/27

Out: 1562.351+/-0.257 χ^2/NDF:286529.0/32

All: 1564.529+/-0.185 χ^2/NDF: 643196.3/60


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1437.362+/-1848.324 χ²/NDF: 13.9/15
Left Out: 805.419+/-1463.044 χ²/NDF:16.9/13
Right Out: -1146.174+/-1765.384 χ²/NDF: 16.3/18
Left In: 815.561+/-1528.128 χ²/NDF:7.7/11
Left: 810.269+/-1056.788 χ²/NDF: 24.5/25
Right: -1285.089+/-1276.630 χ²/NDF: 30.1/34
In: -99.155+/-1177.737 χ²/NDF:22.4/27
Out: 10.798+/-1126.482 χ²/NDF:33.9/32
All: -41.734+/-814.060 χ²/NDF: 56.3/60



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4805.753+/-1.035 χ^2/NDF:575327.0/13

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4835.471+/-1.081 χ^2/NDF:566536.4/11

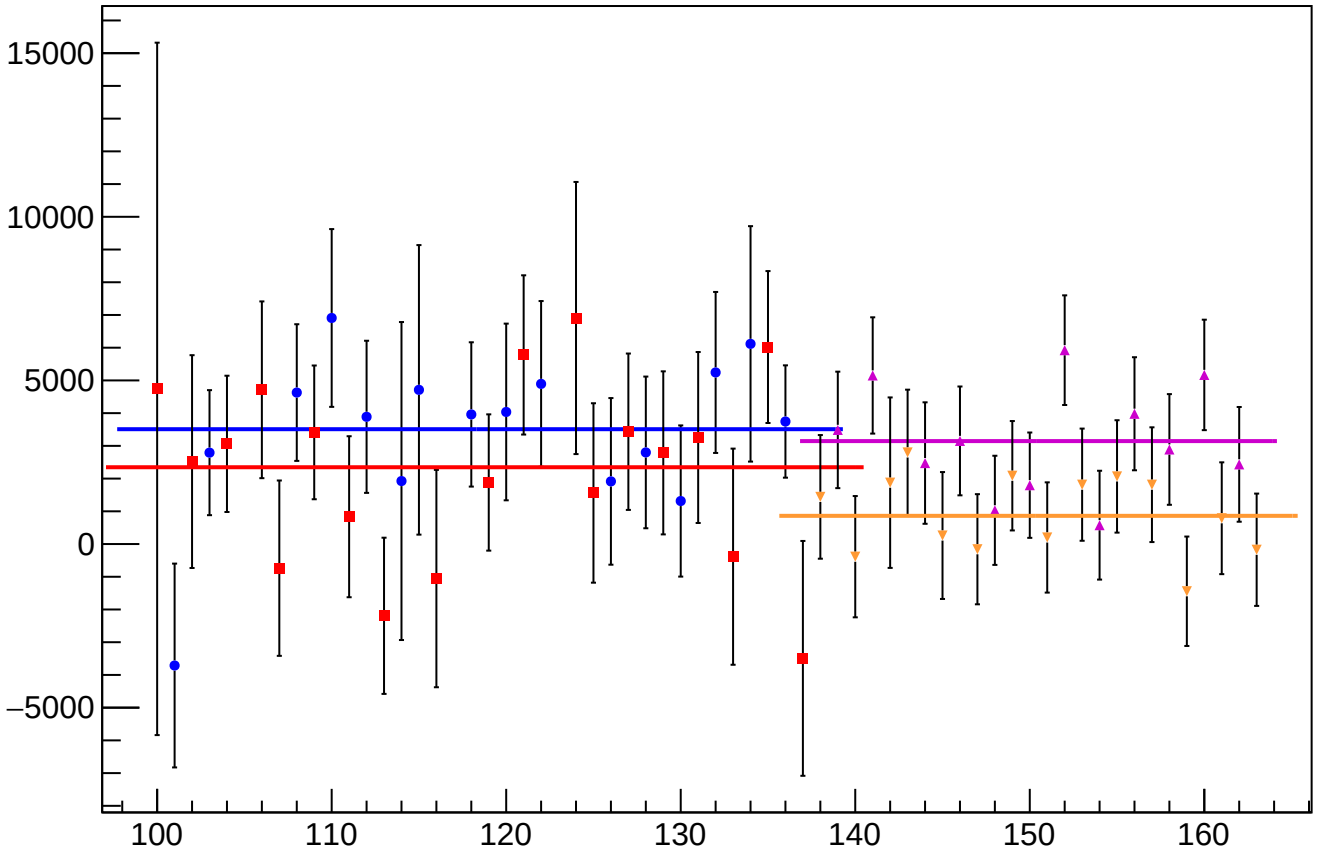
Left: 4819.966+/-0.747 χ^2/NDF: 1142258.0/25

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4828.166+/-0.833 χ^2/NDF:1361882.2/27

Out: 4727.617+/-0.797 χ^2/NDF:1567295.5/32

All: 4775.656+/-0.576 χ^2/NDF: 2936790.6/60



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 861.901+/-478.661 χ^2/NDF:6.2/13

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3145.797+/-493.323 χ^2/NDF:10.7/11

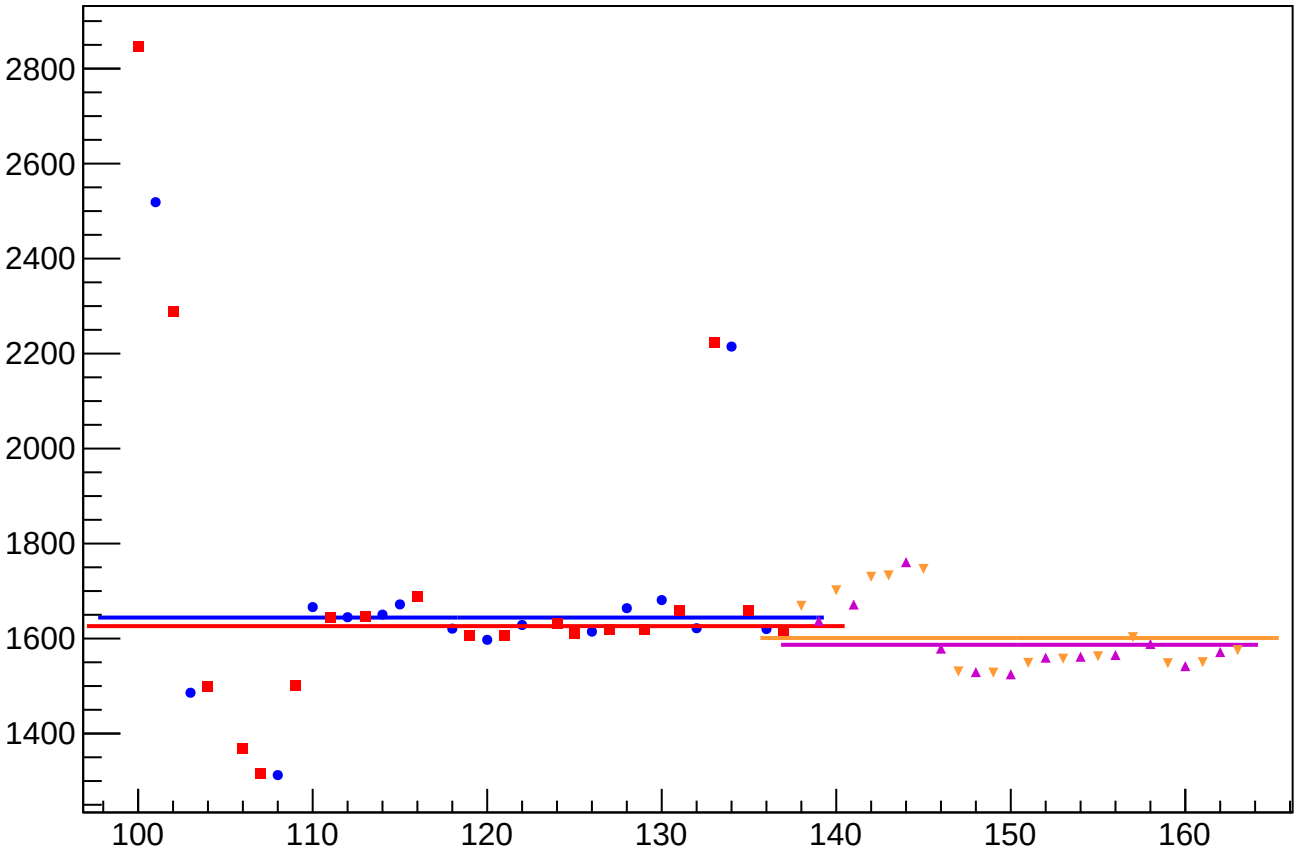
Left: 1969.404+/-343.531 χ^2/NDF: 28.0/25

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3287.713+/-385.238 χ^2/NDF:21.3/27

Out: 1430.678+/-375.977 χ^2/NDF:27.0/32

All: 2336.607+/-269.070 χ^2/NDF: 60.3/60



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1601.104+/-0.338 χ^2/NDF:49795.6/13

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1586.814+/-0.349 χ^2/NDF:31990.5/11

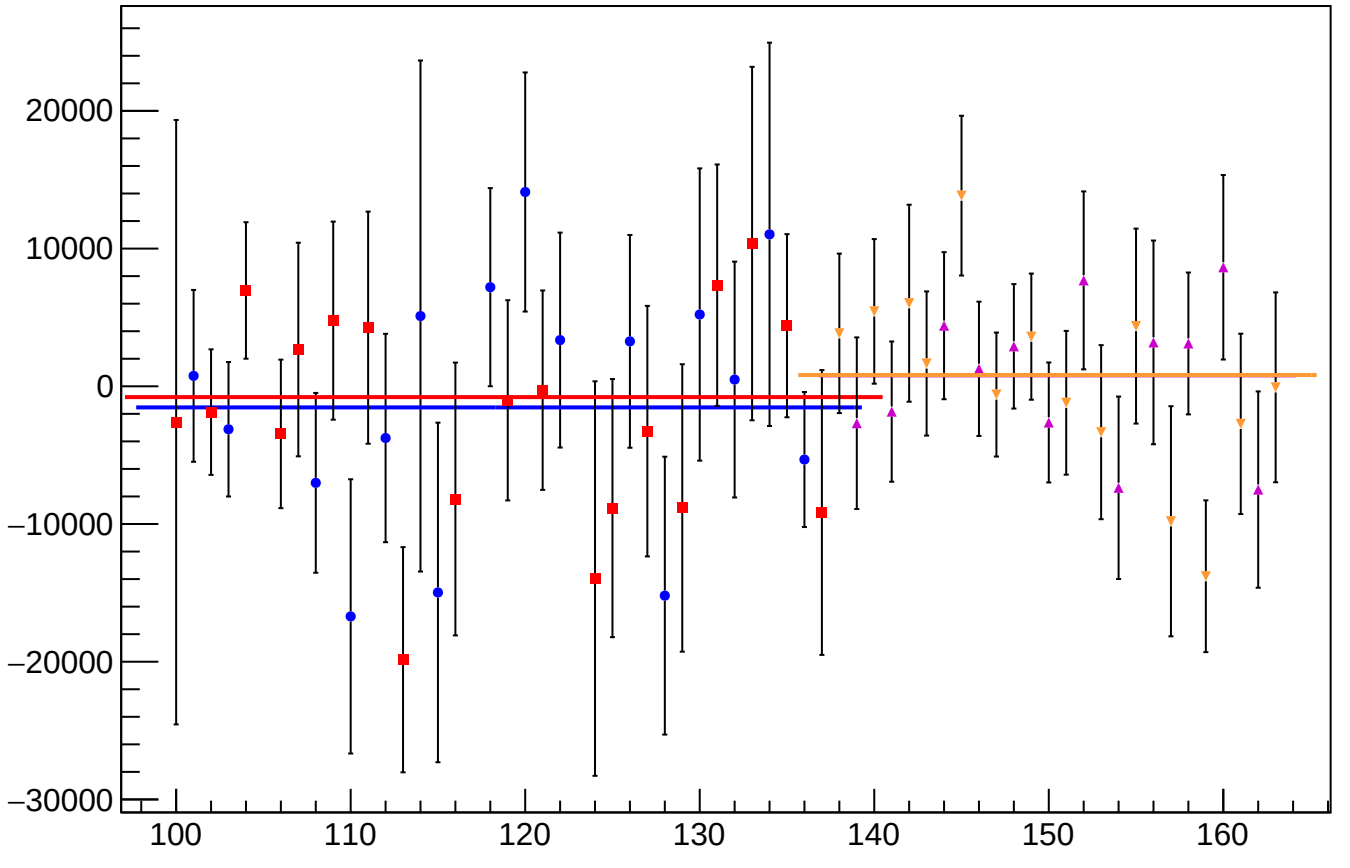
Left: 1594.175+/-0.243 χ^2/NDF: 82650.5/25

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1609.205+/-0.272 χ^2/NDF:317367.5/27

Out: 1610.717+/-0.266 χ^2/NDF:289538.5/32

All: 1609.980+/-0.190 χ^2/NDF: 606921.8/60



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 815.341+/-1538.968 χ^2/NDF:16.9/13

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 795.678+/-1605.787 χ^2/NDF:7.6/11

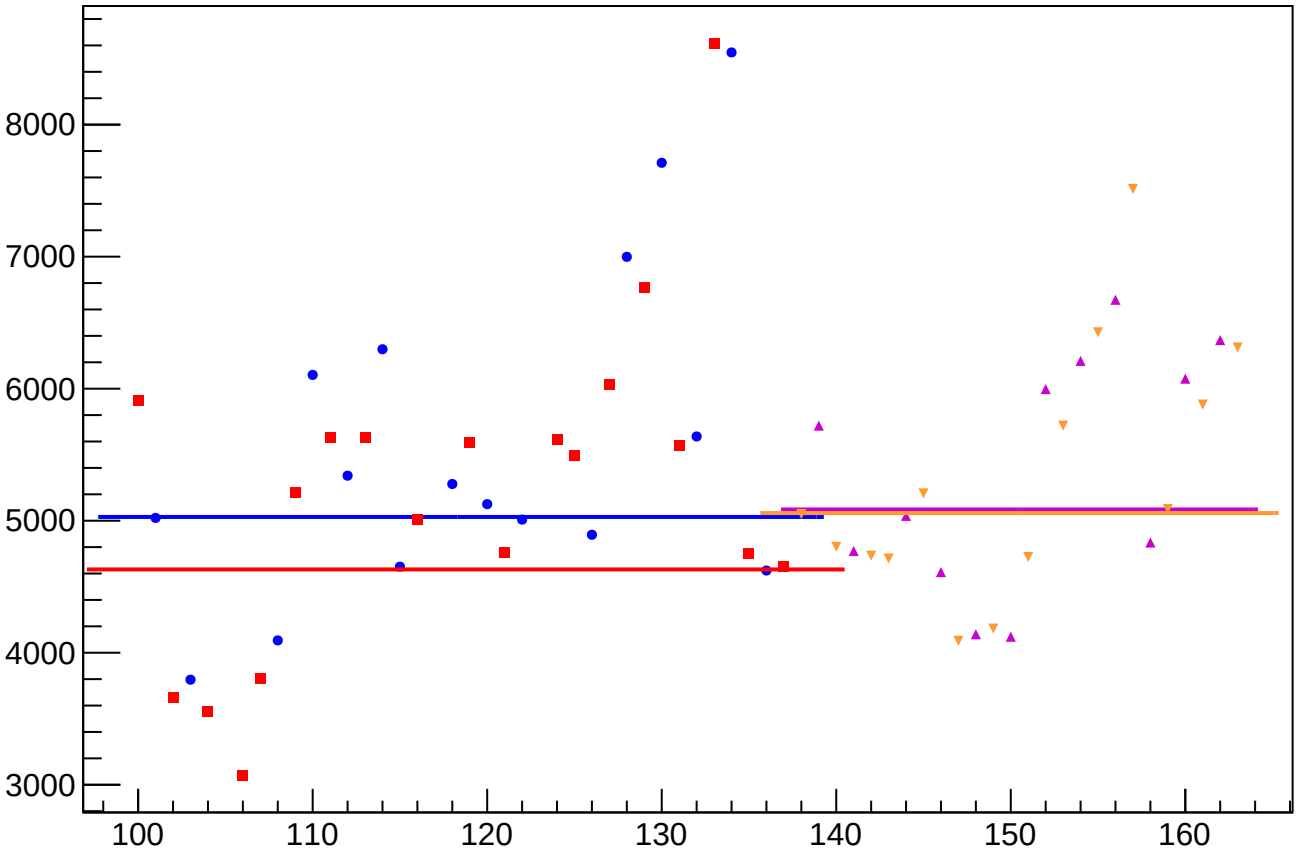
Left: 805.927+/-1111.086 χ^2/NDF: 24.5/25

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -166.051+/-1230.130 χ^2/NDF:22.3/27

Out: 117.122+/-1155.249 χ^2/NDF:32.4/32

All: -15.584+/-842.113 χ^2/NDF: 54.8/60



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5057.907+/-1.088 χ^2/NDF:559603.1/13

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5085.106+/-1.135 χ^2/NDF:535879.2/11

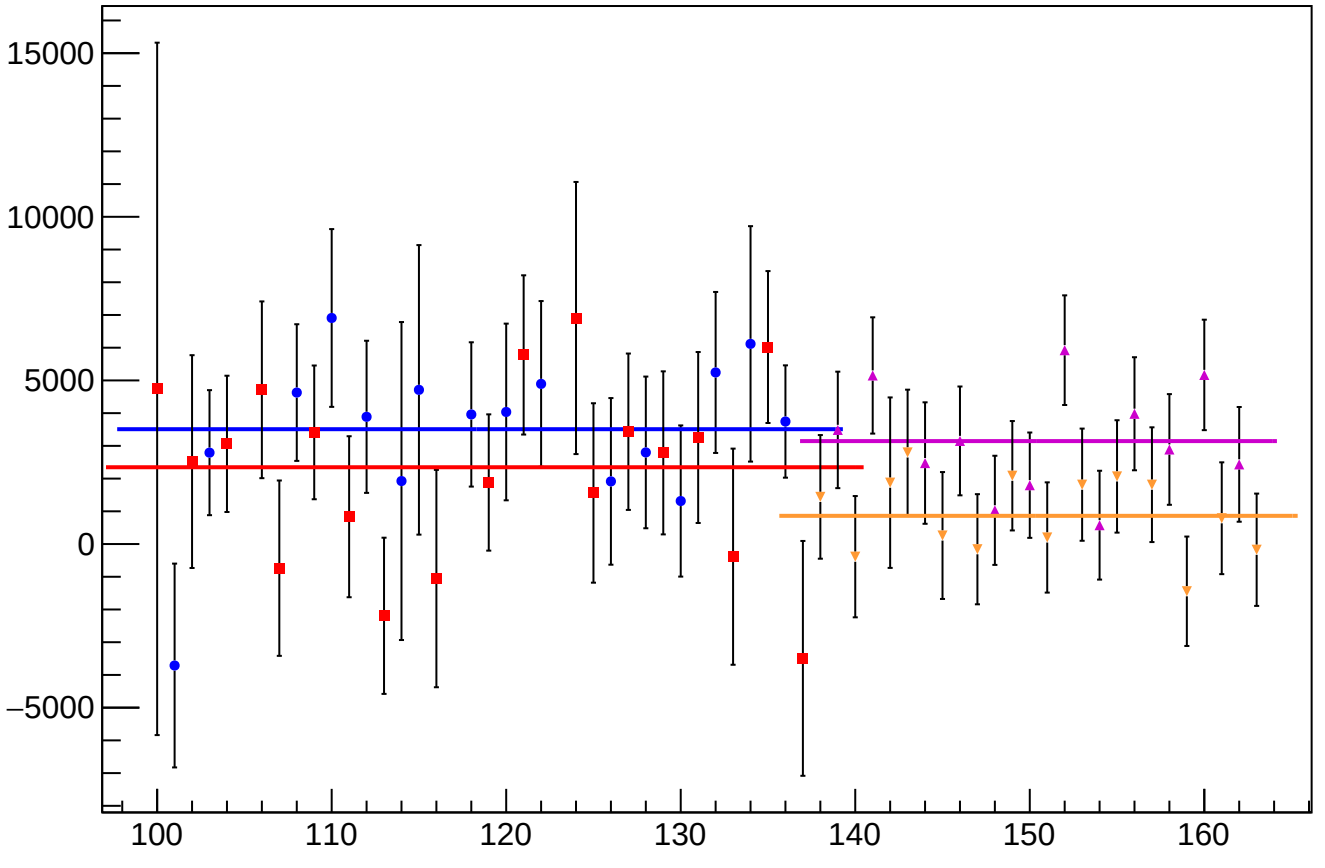
Left: 5070.929+/-0.786 χ^2/NDF: 1095781.3/25

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5061.698+/-0.870 χ^2/NDF:1102377.2/27

Out: 4871.517+/-0.817 χ^2/NDF:1490326.6/32

All: 4960.644+/-0.595 χ^2/NDF: 2618104.9/60



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 861.889+/-478.661 χ^2/NDF:6.2/13

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3145.797+/-493.324 χ^2/NDF:10.7/11

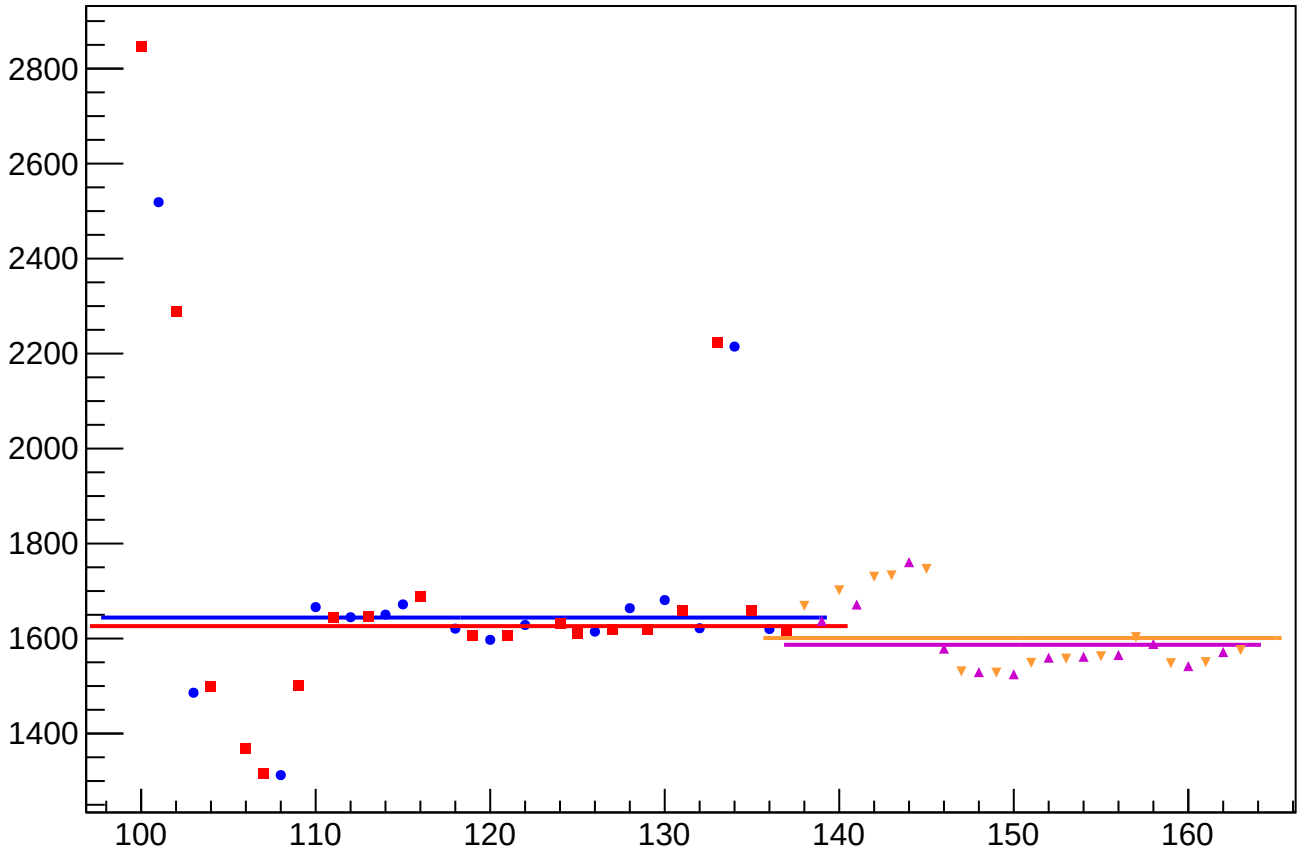
Left: 1969.398+/-343.531 χ^2/NDF: 28.0/25

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3287.714+/-385.238 χ^2/NDF:21.3/27

Out: 1430.673+/-375.977 χ^2/NDF:27.0/32

All: 2336.605+/-269.071 χ^2/NDF: 60.3/60



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1601.106+/-0.338 χ^2/NDF:49795.5/13

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1586.815+/-0.349 χ^2/NDF:31990.4/11

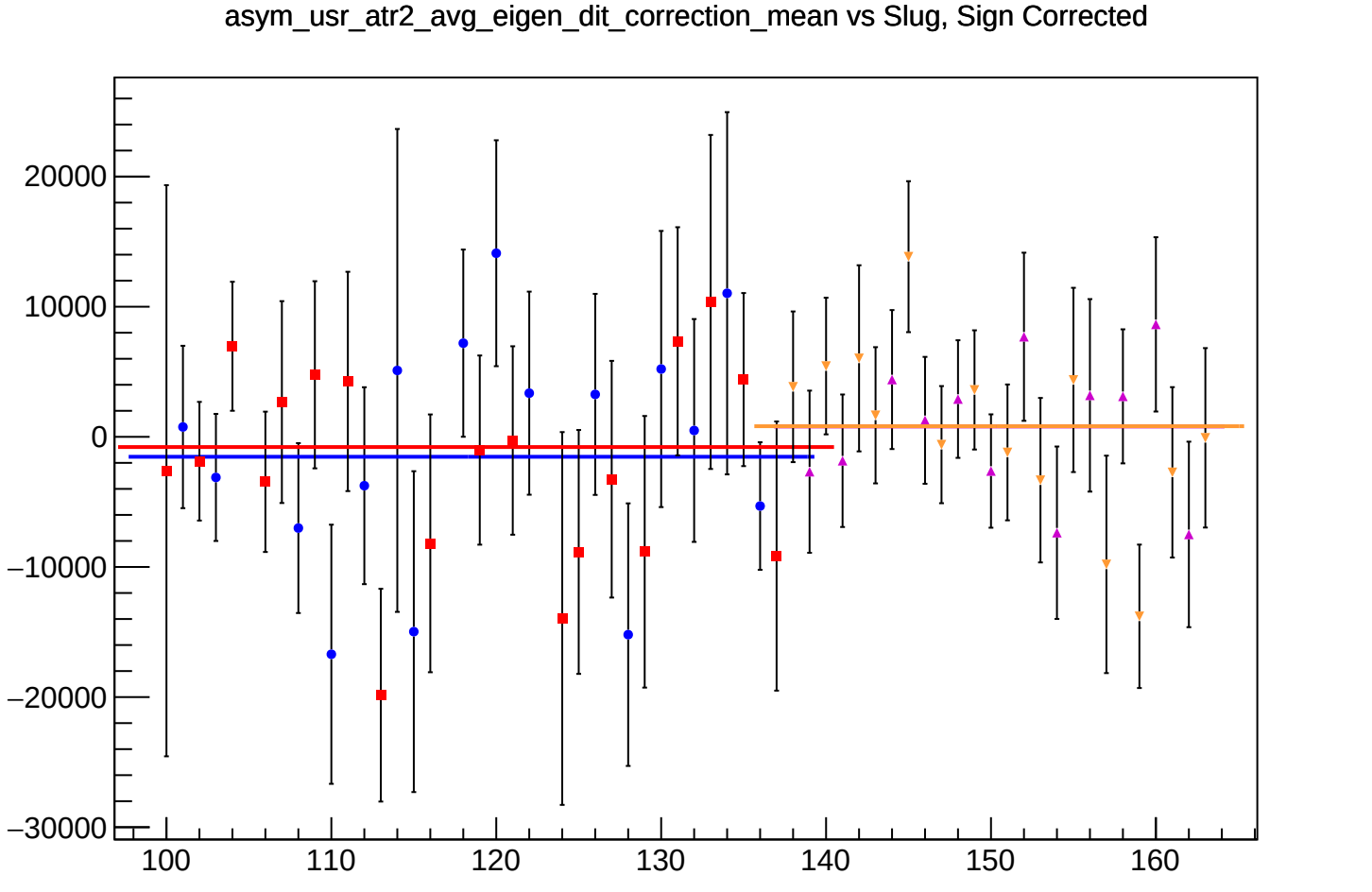
Left: 1594.176+/-0.243 χ^2/NDF: 82650.3/25

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1609.205+/-0.272 χ^2/NDF:317366.9/27

Out: 1610.718+/-0.266 χ^2/NDF:289537.7/32

All: 1609.980+/-0.190 χ^2/NDF: 606920.4/60



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 815.336+/-1538.971 χ^2/NDF:16.9/13

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 795.679+/-1605.790 χ^2/NDF:7.6/11

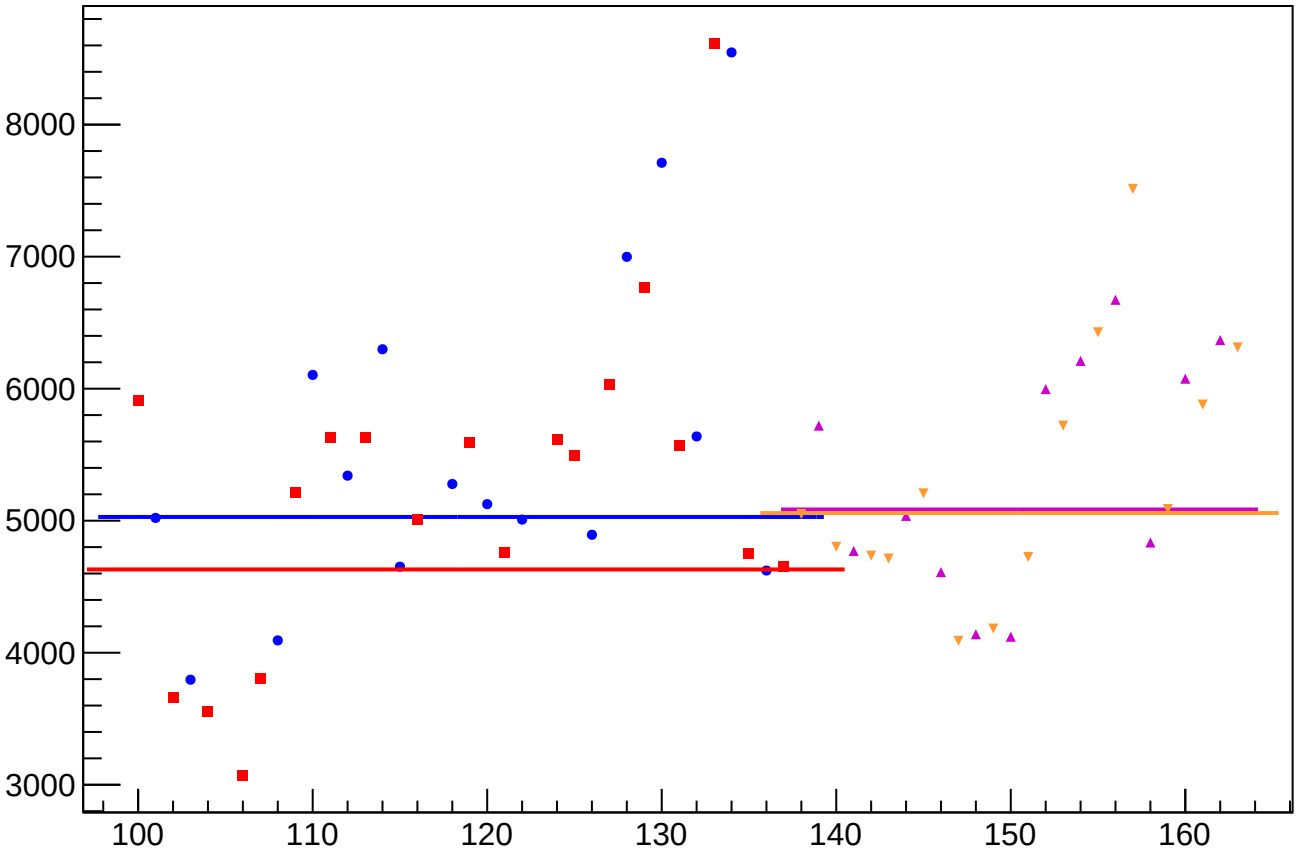
Left: 805.925+/-1111.088 χ^2/NDF: 24.5/25

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -166.048+/-1230.130 χ^2/NDF:22.3/27

Out: 117.116+/-1155.249 χ^2/NDF:32.4/32

All: -15.586+/-842.113 χ^2/NDF: 54.8/60



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5057.915+/-1.088 χ^2/NDF:559603.9/13

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5085.114+/-1.135 χ^2/NDF:535878.8/11

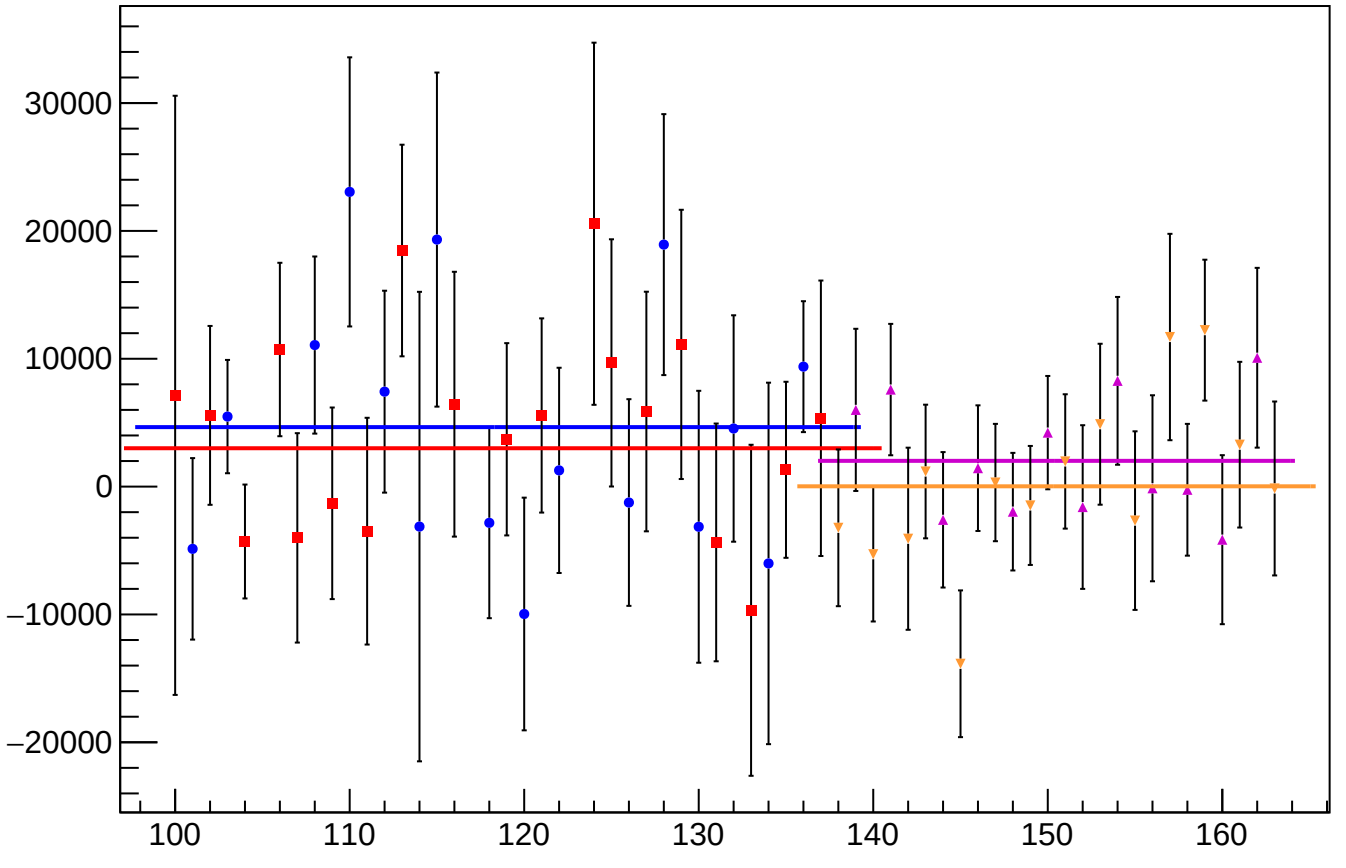
Left: 5070.937+/-0.786 χ^2/NDF: 1095781.8/25

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5061.700+/-0.870 χ^2/NDF:1102371.1/27

Out: 4871.519+/-0.817 χ^2/NDF:1490326.1/32

All: 4960.645+/-0.595 χ^2/NDF: 2618098.4/60



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 23.047+/-1545.409 χ^2/NDF:15.8/13

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2014.621+/-1611.186 χ^2/NDF:7.0/11

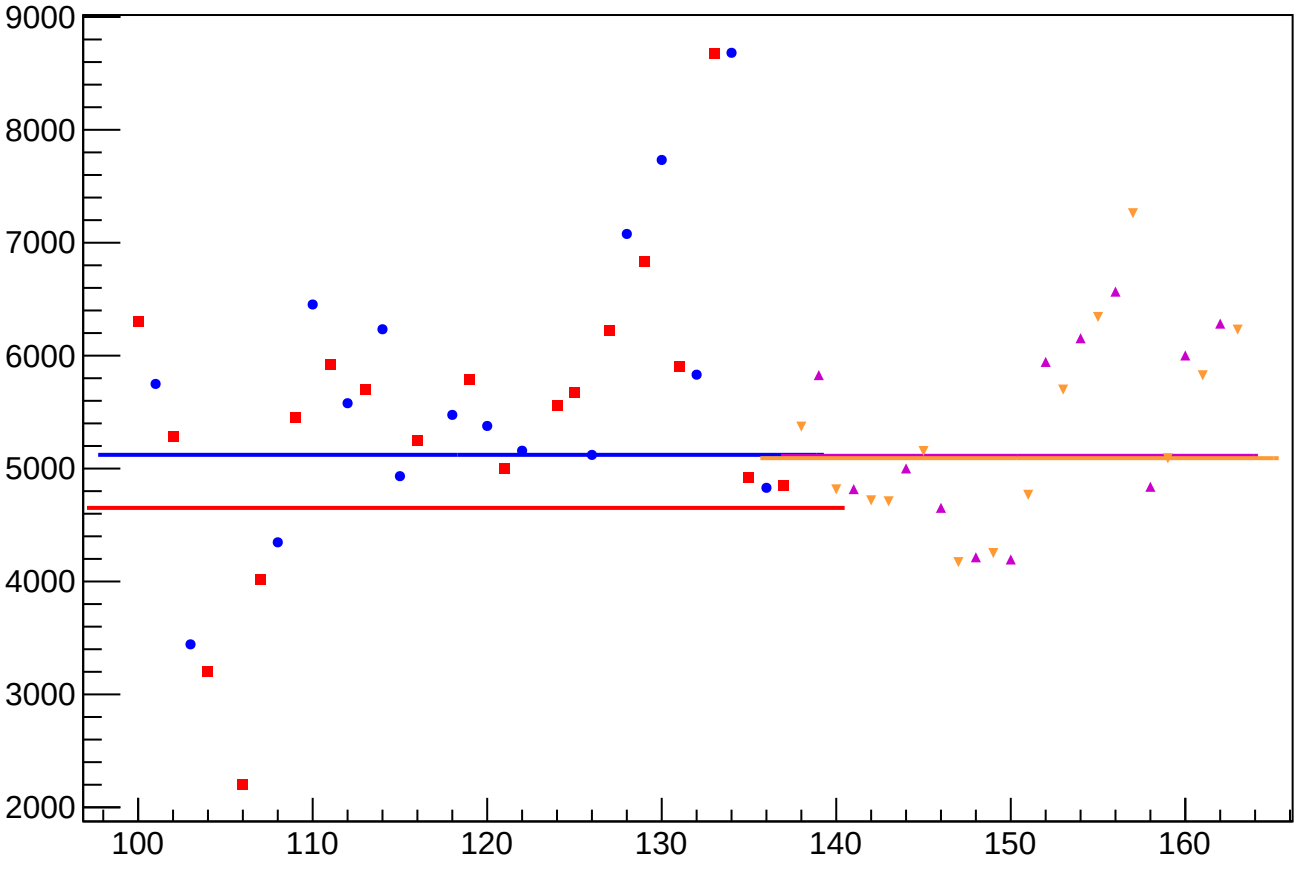
Left: 977.352+/-1115.298 χ^2/NDF: 23.6/25

Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3079.573+/-1244.251 χ^2/NDF:23.6/27

Out: 1221.732+/-1194.550 χ^2/NDF:31.1/32

All: 2112.807+/-861.709 χ^2/NDF: 55.9/60



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5092.041+/-1.093 χ^2/NDF:488257.4/13

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5112.948+/-1.139 χ^2/NDF:473798.1/11

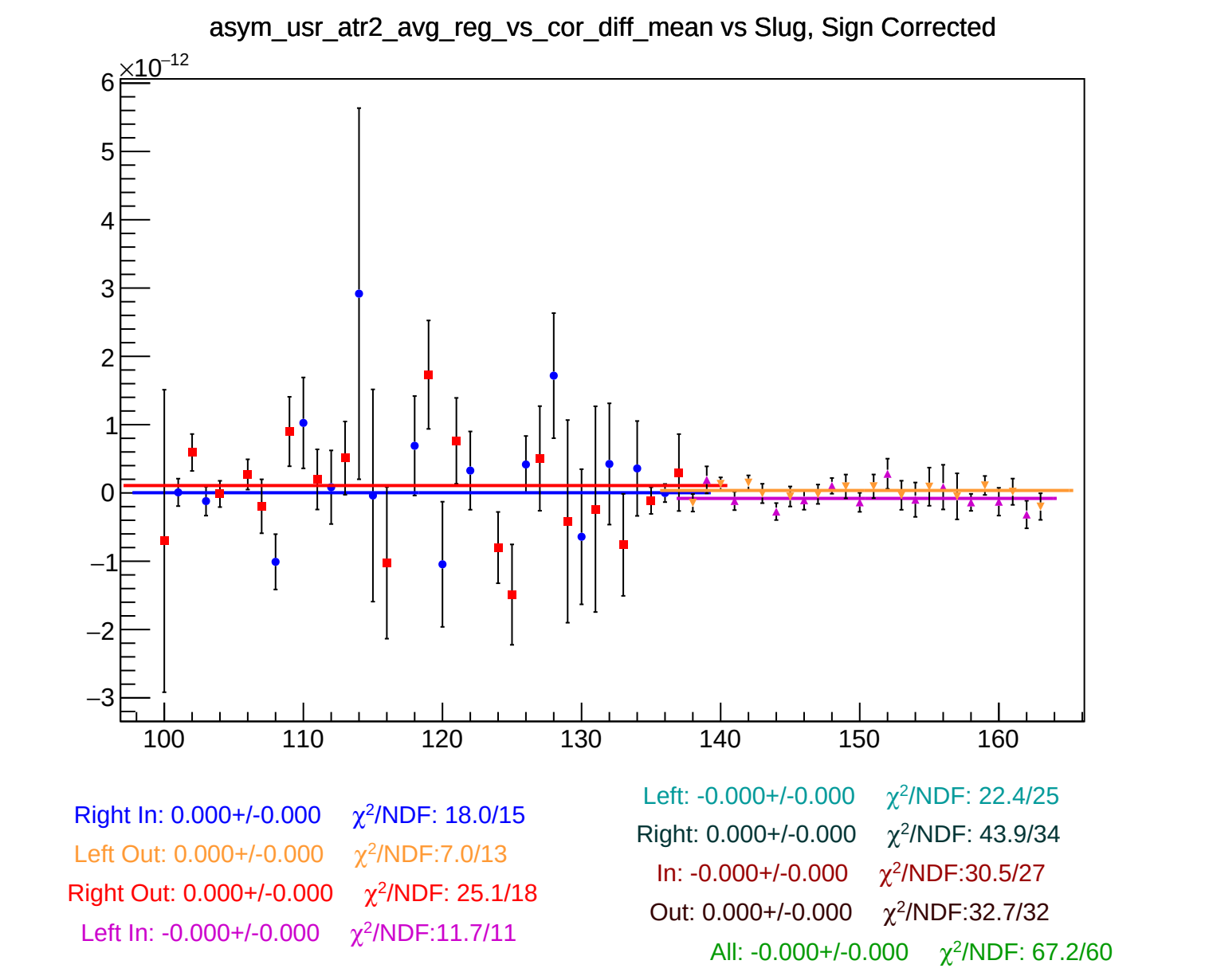
Left: 5102.059+/-0.789 χ^2/NDF: 962230.9/25

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5116.458+/-0.880 χ^2/NDF:1194191.7/27

Out: 4906.472+/-0.831 χ^2/NDF:1901549.5/32

All: 5005.502+/-0.604 χ^2/NDF: 3125840.1/60


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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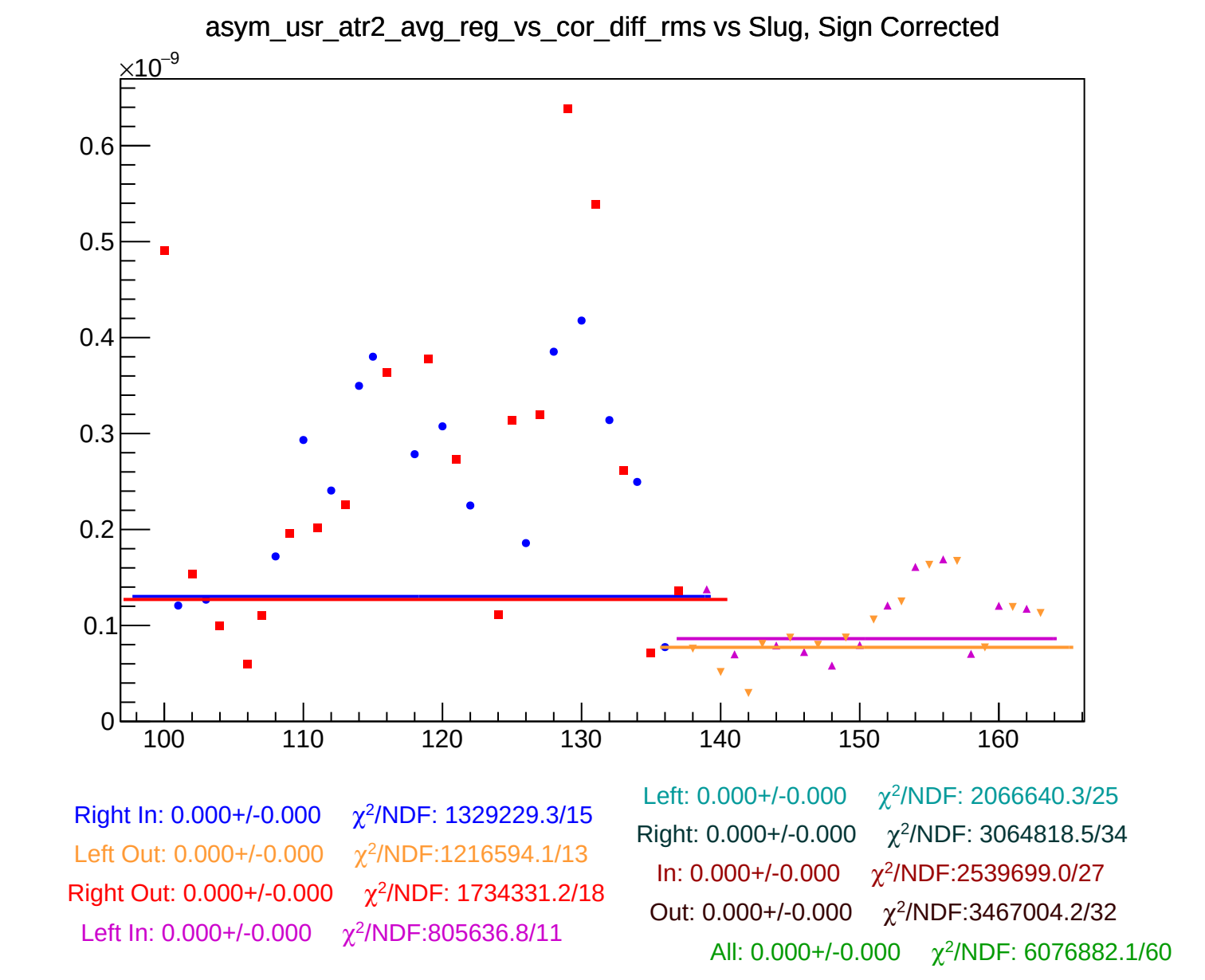
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:7.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:11.7/11
Left: -0.000+/-0.000 χ²/NDF: 22.4/25
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:30.5/27
Out: 0.000+/-0.000 χ²/NDF:32.7/32
All: -0.000+/-0.000 χ²/NDF: 67.2/60


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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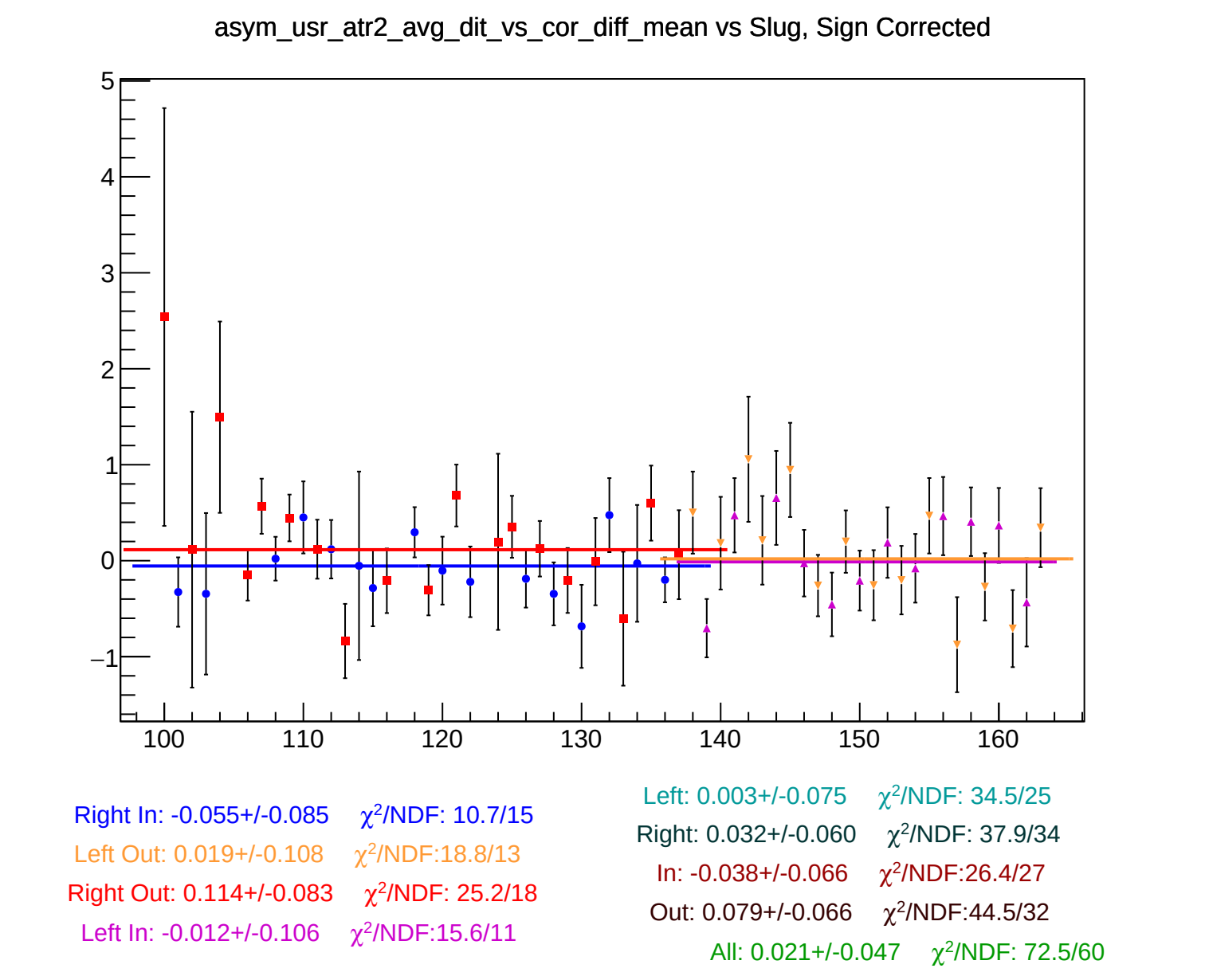
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1216594.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:805636.8/11
Left: 0.000+/-0.000 χ²/NDF: 2066640.3/25
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2539699.0/27
Out: 0.000+/-0.000 χ²/NDF:3467004.2/32
All: 0.000+/-0.000 χ²/NDF: 6076882.1/60


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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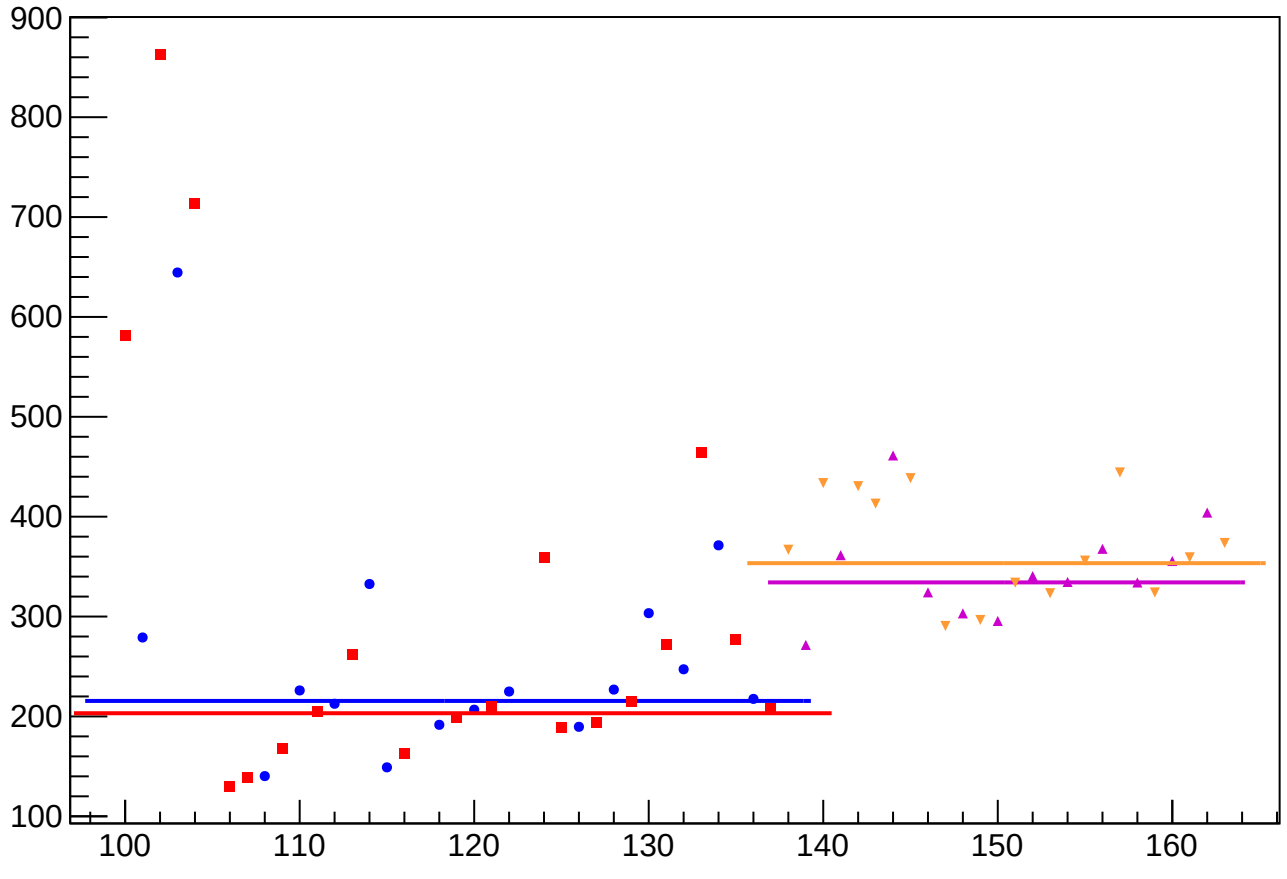
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.012+/-0.106 χ²/NDF:15.6/11
Left: 0.003+/-0.075 χ²/NDF: 34.5/25
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.038+/-0.066 χ²/NDF:26.4/27
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.021+/-0.047 χ²/NDF: 72.5/60



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 353.466+/-0.076 χ^2/NDF:423377.4/13

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 334.202+/-0.075 χ^2/NDF:345468.5/11

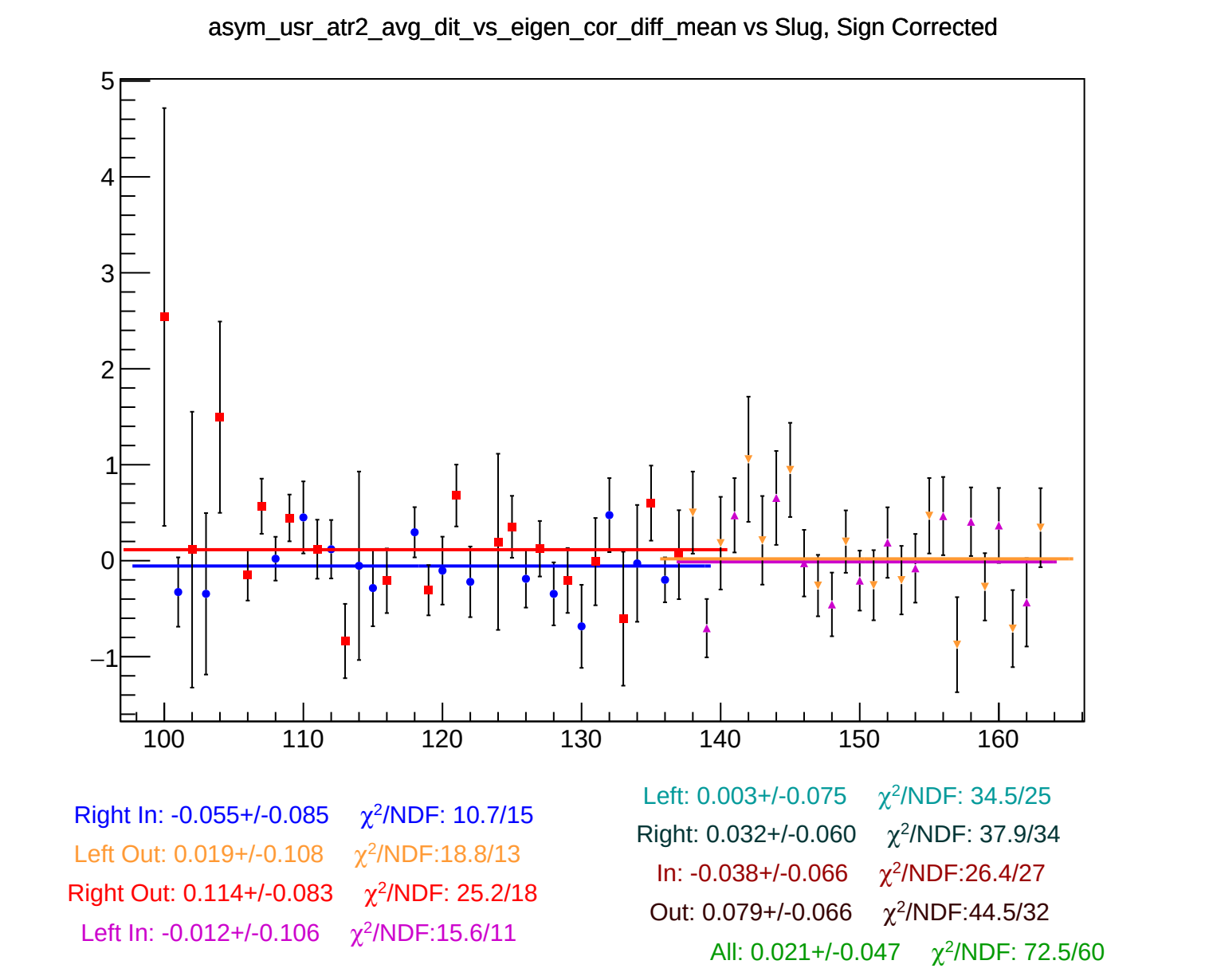
Left: 343.652+/-0.053 χ^2/NDF: 801465.8/25

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 262.469+/-0.047 χ^2/NDF:3019748.3/27

Out: 259.404+/-0.047 χ^2/NDF:4697698.9/32

All: 260.922+/-0.033 χ^2/NDF: 7719593.2/60


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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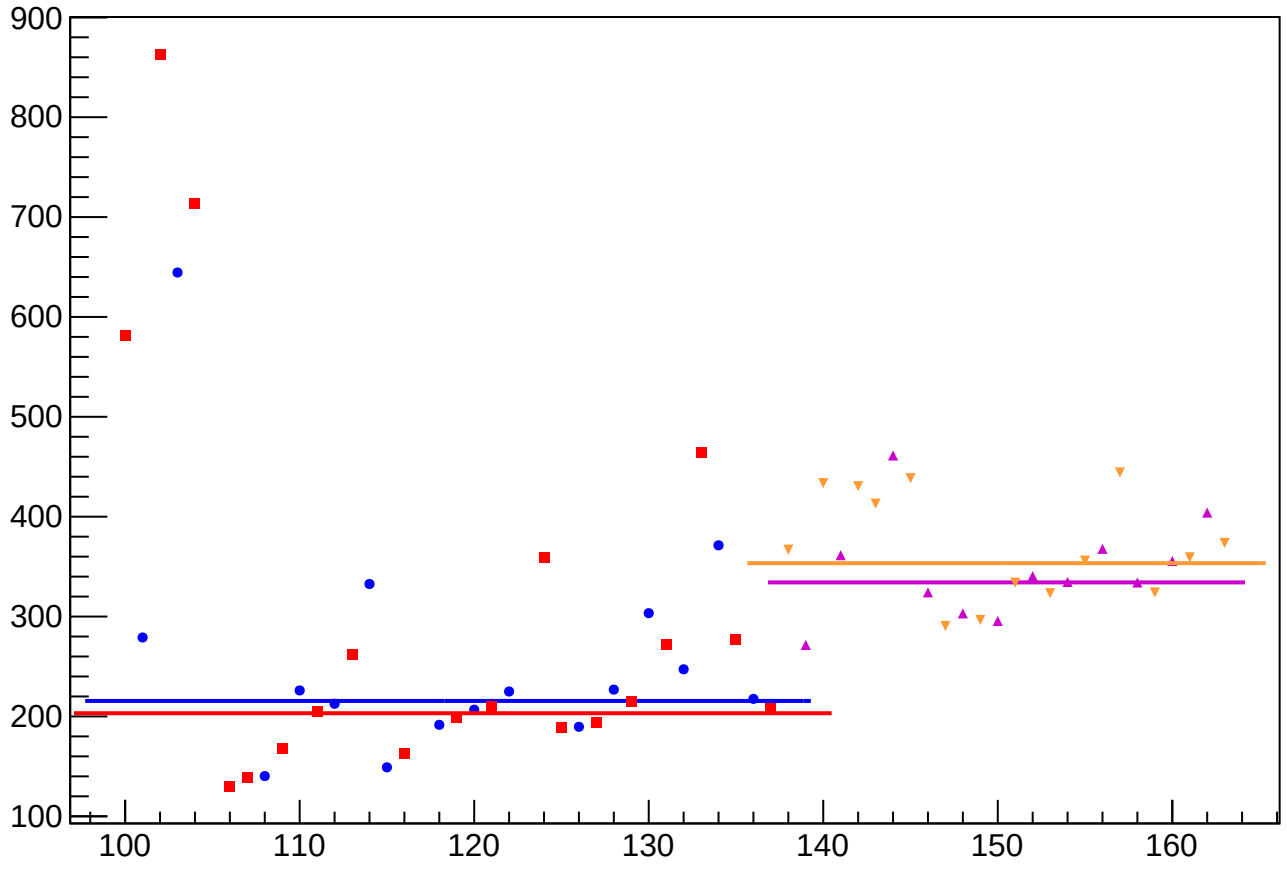
160
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.012+/-0.106 χ²/NDF:15.6/11
Left: 0.003+/-0.075 χ²/NDF: 34.5/25
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.038+/-0.066 χ²/NDF:26.4/27
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.021+/-0.047 χ²/NDF: 72.5/60



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 353.466+/-0.076 χ^2/NDF:423377.4/13

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 334.202+/-0.075 χ^2/NDF:345468.5/11

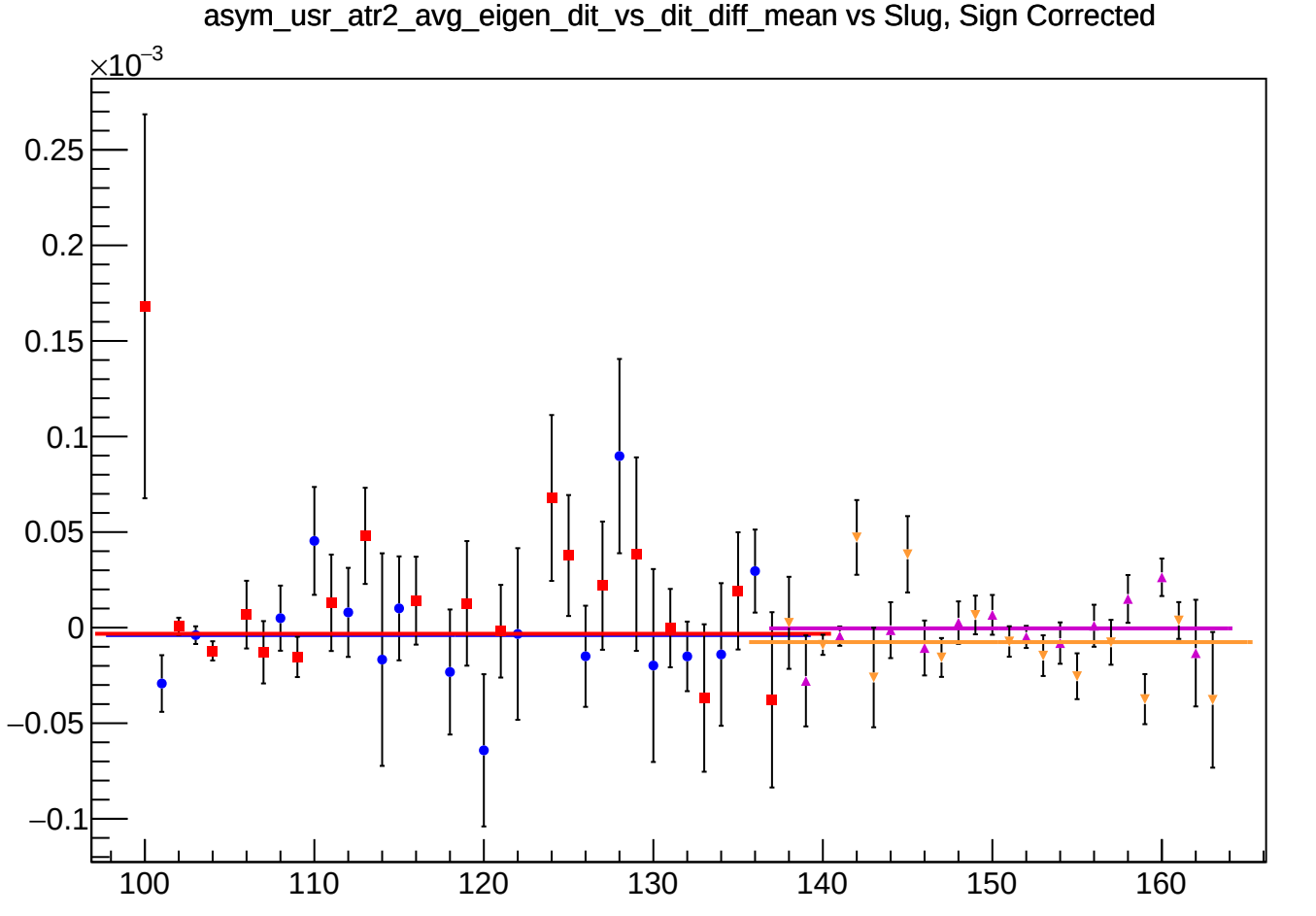
Left: 343.652+/-0.053 χ^2/NDF: 801465.8/25

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 262.469+/-0.047 χ^2/NDF:3019748.3/27

Out: 259.404+/-0.047 χ^2/NDF:4697698.9/32

All: 260.922+/-0.033 χ^2/NDF: 7719593.2/60


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
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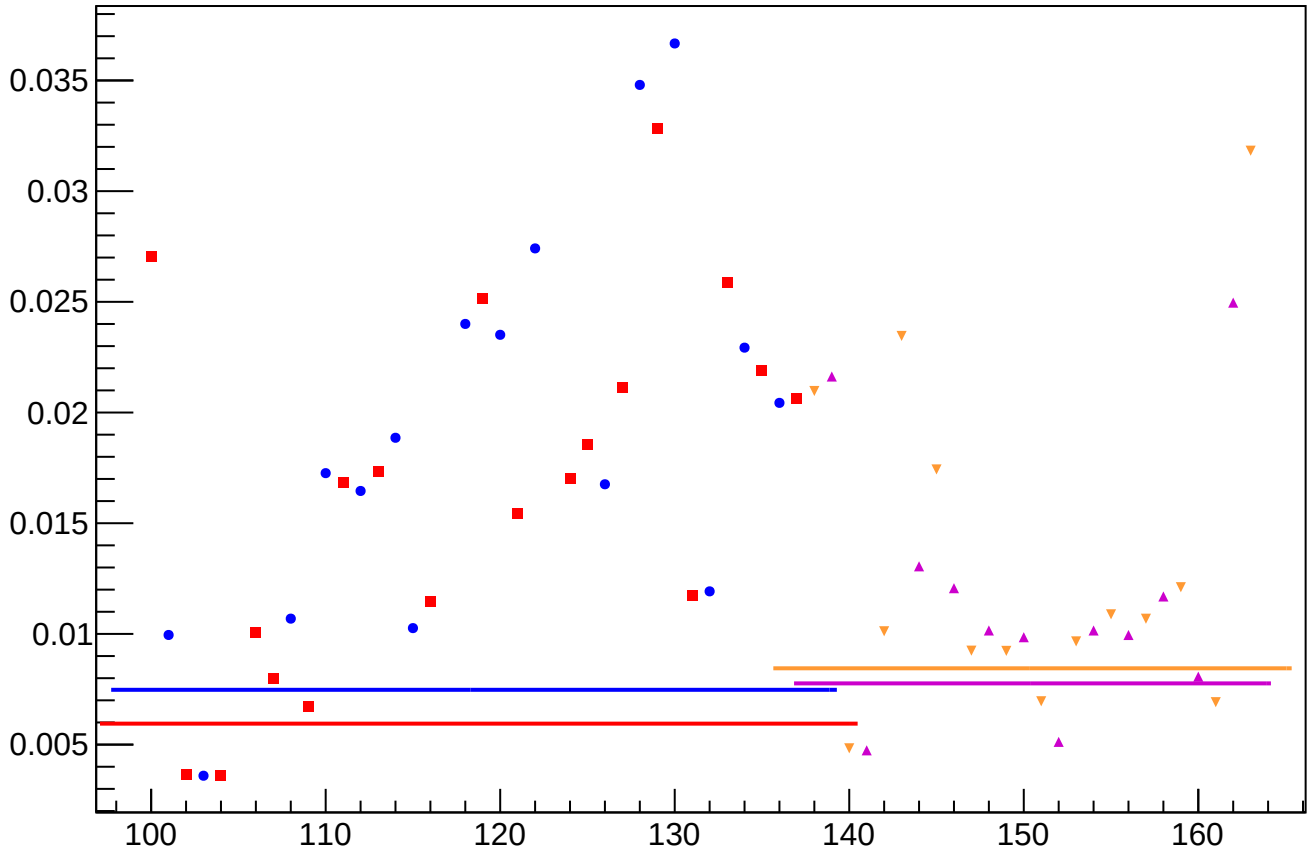
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/13
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:13.3/11
Left: -0.000+/-0.000 χ²/NDF: 43.0/25
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:29.8/27
Out: -0.000+/-0.000 χ²/NDF:49.2/32
All: -0.000+/-0.000 χ²/NDF: 80.6/60



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:3916117.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:3562066.0/11

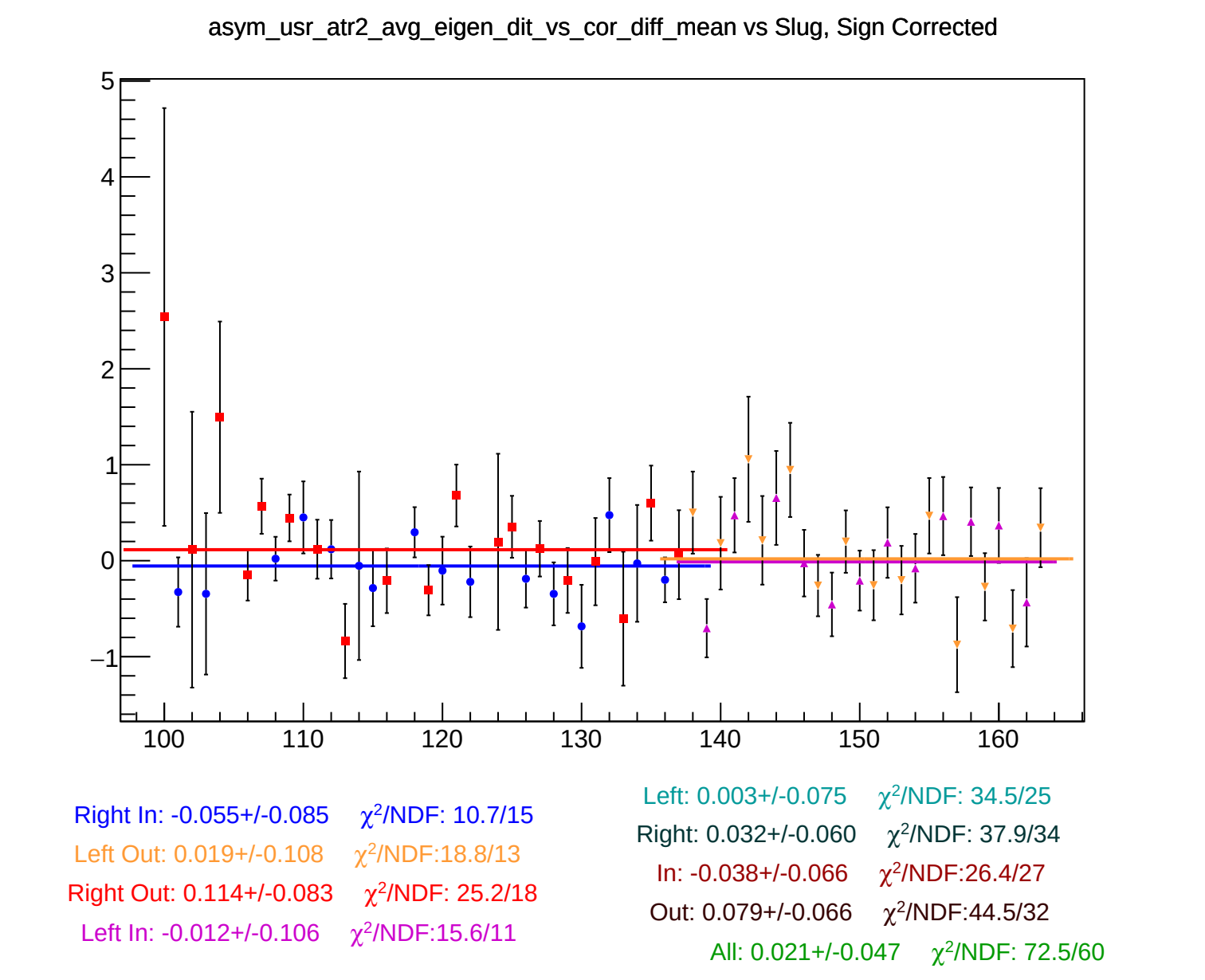
Left: 0.008+/-0.000 χ^2/NDF: 7536649.9/25

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:9645939.7/27

Out: 0.007+/-0.000 χ^2/NDF:10597127.3/32

All: 0.007+/-0.000 χ^2/NDF: 20290422.2/60


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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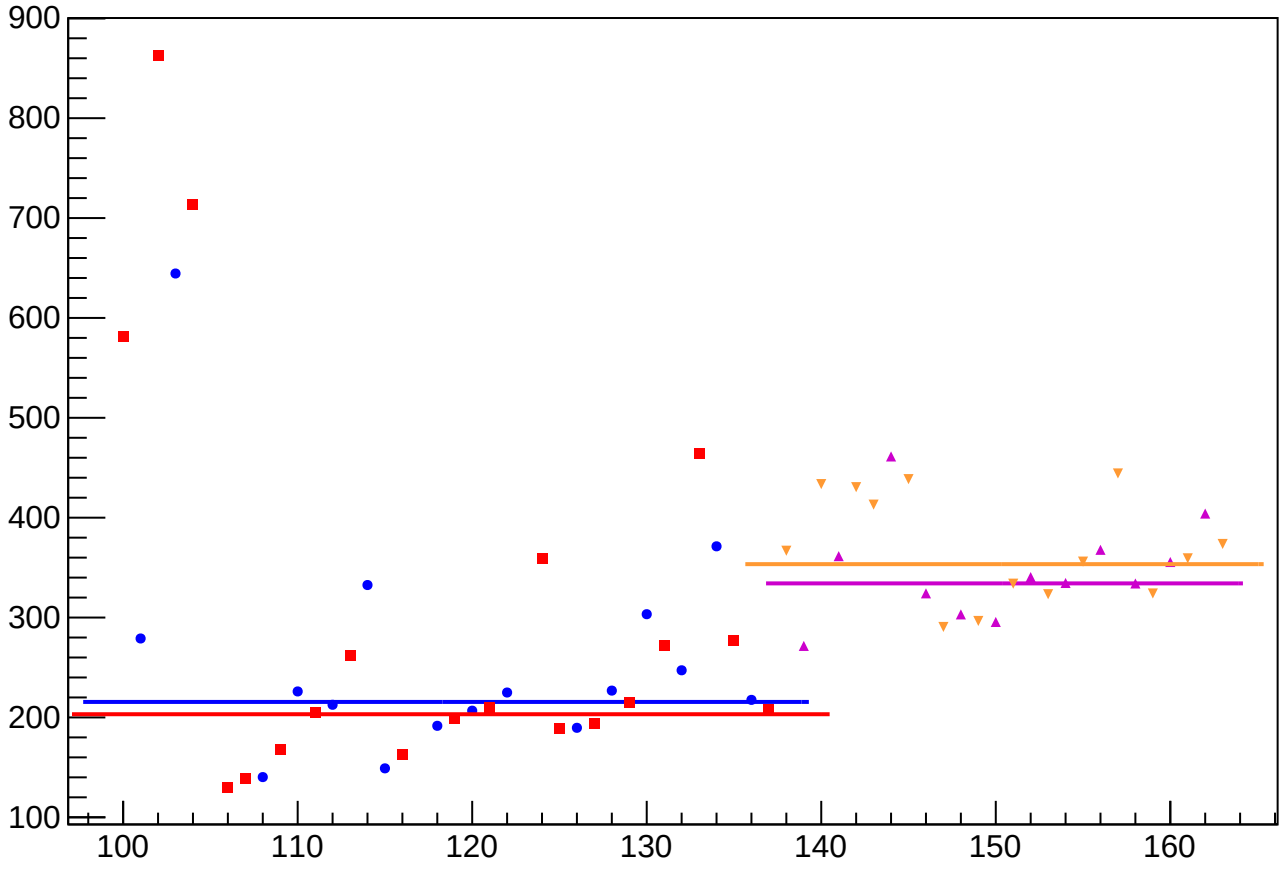
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.012+/-0.106 χ²/NDF:15.6/11
Left: 0.003+/-0.075 χ²/NDF: 34.5/25
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.038+/-0.066 χ²/NDF:26.4/27
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.021+/-0.047 χ²/NDF: 72.5/60

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 353.472+/-0.076 χ^2/NDF:423372.0/13

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 334.208+/-0.075 χ^2/NDF:345464.6/11

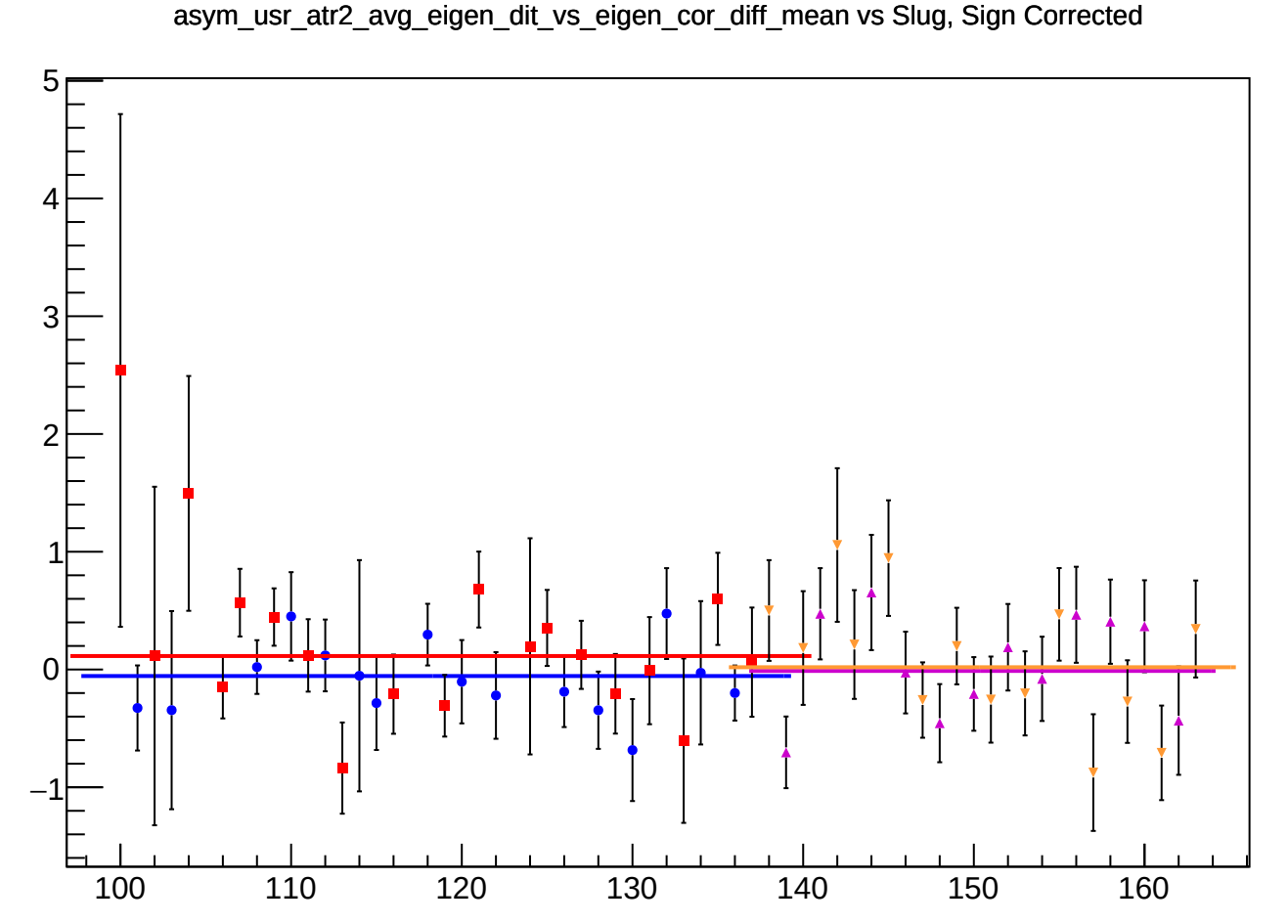
Left: 343.658+/-0.053 χ^2/NDF: 801458.0/25

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 262.469+/-0.047 χ^2/NDF:3019864.4/27

Out: 259.404+/-0.047 χ^2/NDF:4697883.0/32

All: 260.922+/-0.033 χ^2/NDF: 7719894.1/60


asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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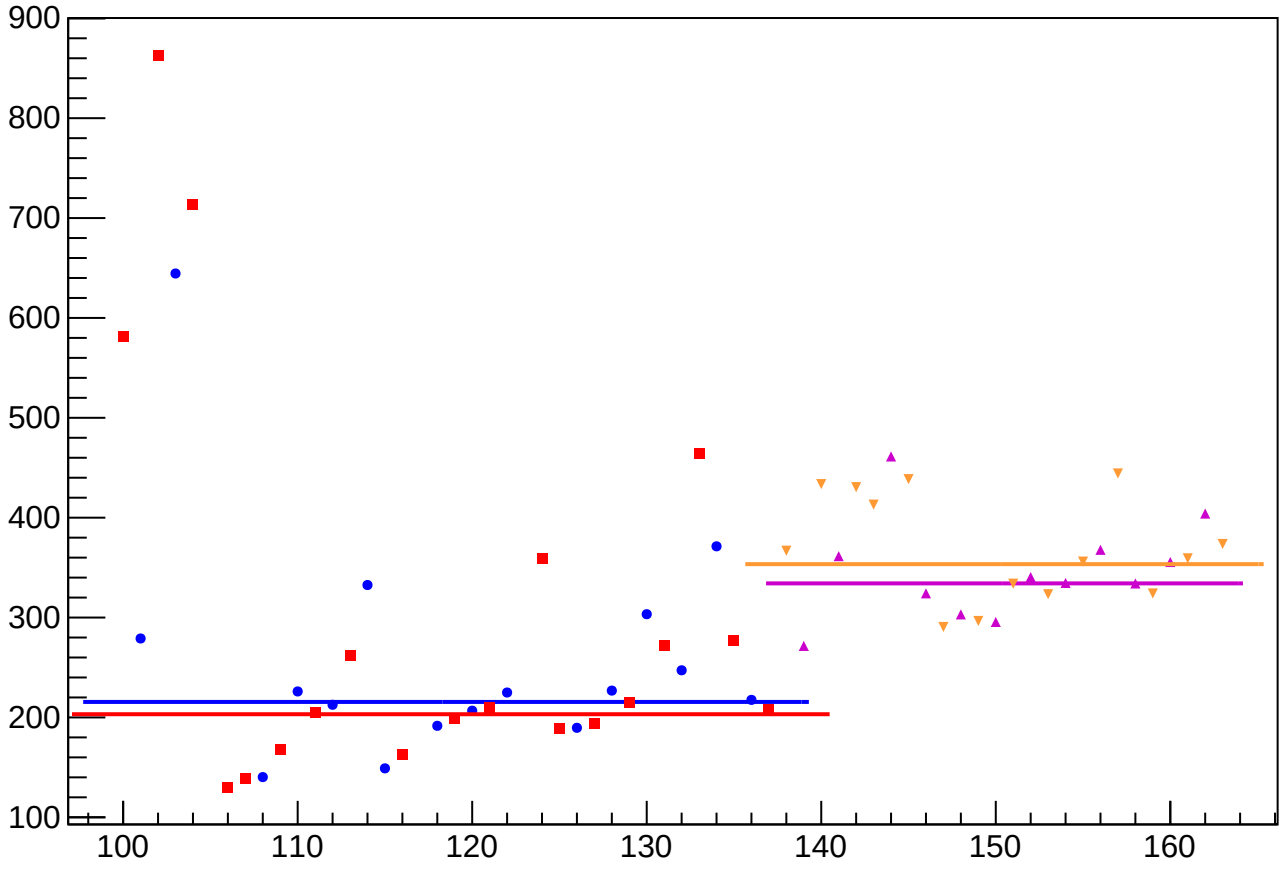
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.019+/-0.108 χ²/NDF:18.8/13
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.012+/-0.106 χ²/NDF:15.6/11
Left: 0.003+/-0.075 χ²/NDF: 34.5/25
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.038+/-0.066 χ²/NDF:26.4/27
Out: 0.079+/-0.066 χ²/NDF:44.5/32
All: 0.021+/-0.047 χ²/NDF: 72.5/60

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 353.472+/-0.076 χ^2/NDF:423372.0/13

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 334.208+/-0.075 χ^2/NDF:345464.6/11

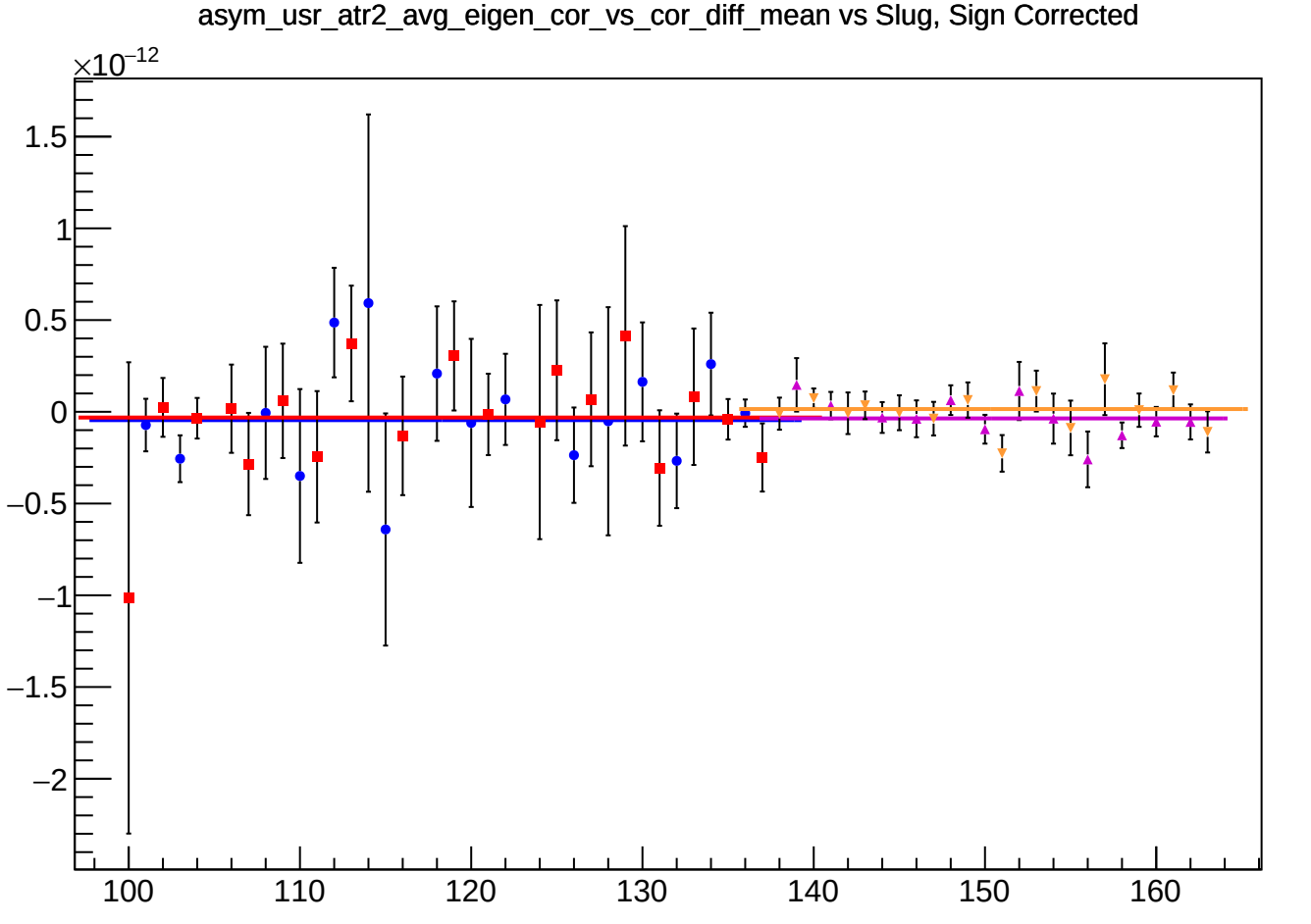
Left: 343.658+/-0.053 χ^2/NDF: 801458.0/25

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 262.469+/-0.047 χ^2/NDF:3019864.4/27

Out: 259.404+/-0.047 χ^2/NDF:4697883.0/32

All: 260.922+/-0.033 χ^2/NDF: 7719894.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/11

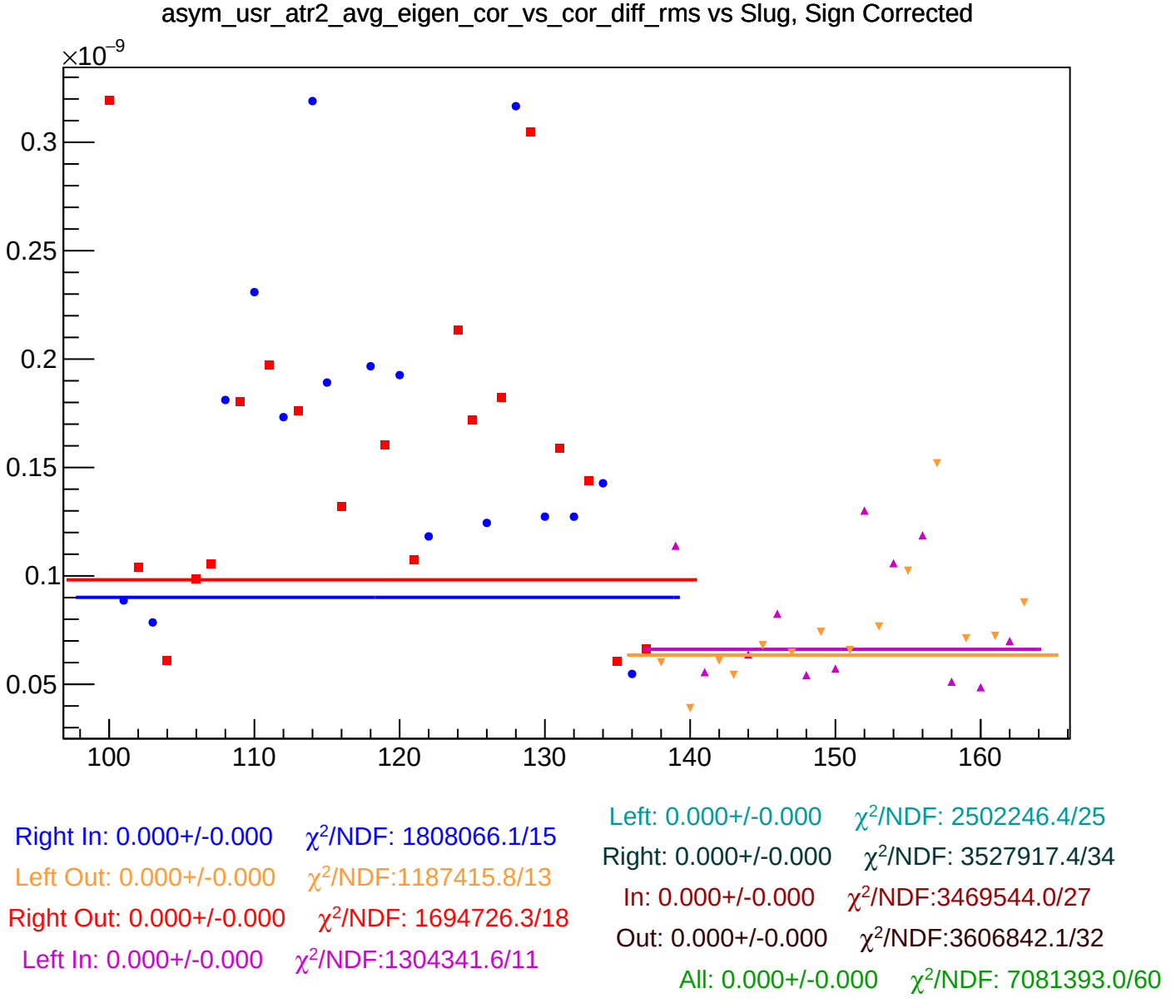
Left: -0.000+/-0.000 χ^2/NDF: 23.6/25

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:20.9/27

Out: 0.000+/-0.000 χ^2/NDF:21.2/32

All: -0.000+/-0.000 χ^2/NDF: 44.0/60


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
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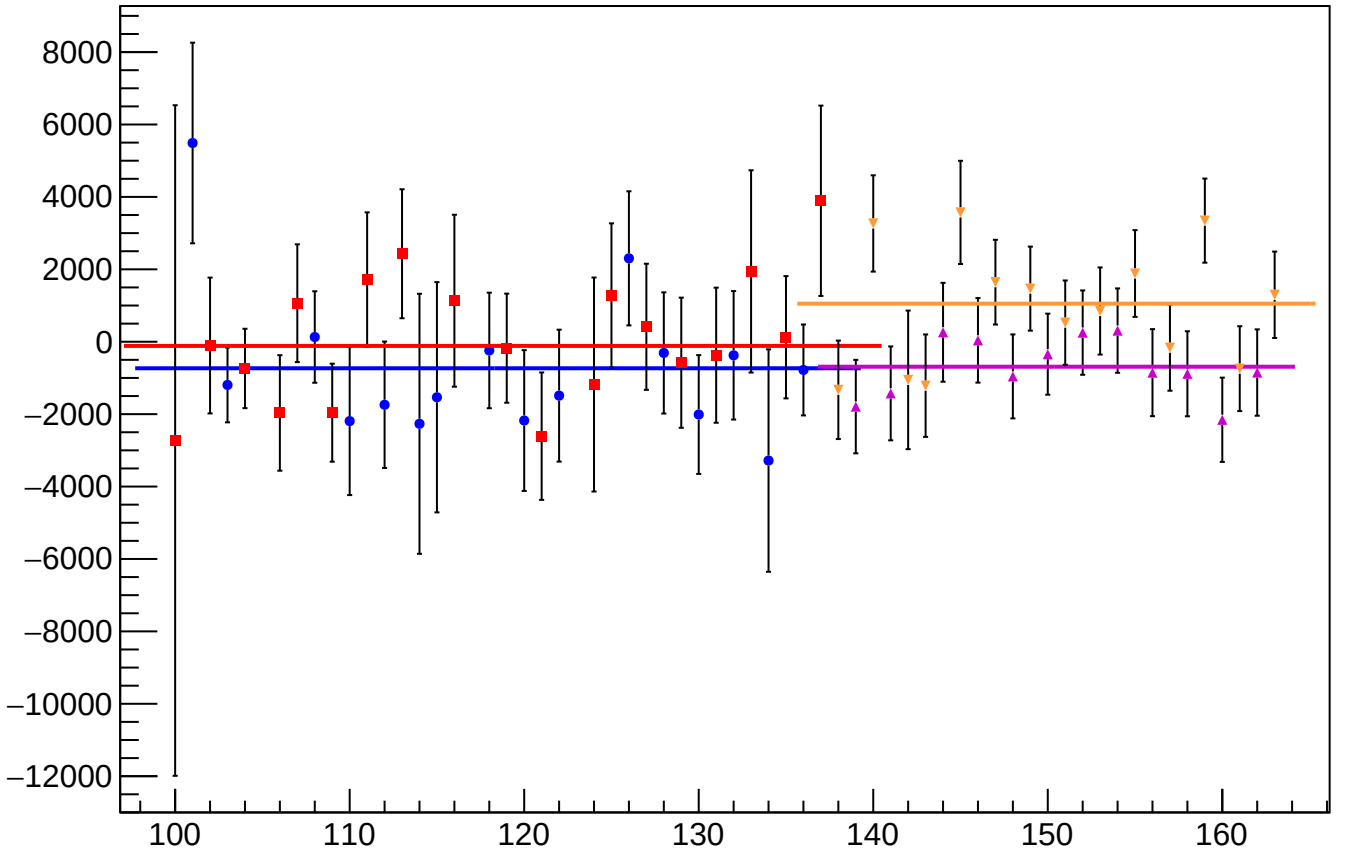
Right In: 0.000+/-0.000 χ²/NDF: 1808066.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1187415.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 1694726.3/18
Left In: 0.000+/-0.000 χ²/NDF:1304341.6/11
Left: 0.000+/-0.000 χ²/NDF: 2502246.4/25
Right: 0.000+/-0.000 χ²/NDF: 3527917.4/34
In: 0.000+/-0.000 χ²/NDF:3469544.0/27
Out: 0.000+/-0.000 χ²/NDF:3606842.1/32
All: 0.000+/-0.000 χ²/NDF: 7081393.0/60



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 1051.360+/-336.178 χ^2/NDF:21.2/13

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -689.898+/-346.317 χ^2/NDF:5.1/11

Left: 206.593+/-241.218 χ^2/NDF: 39.3/25

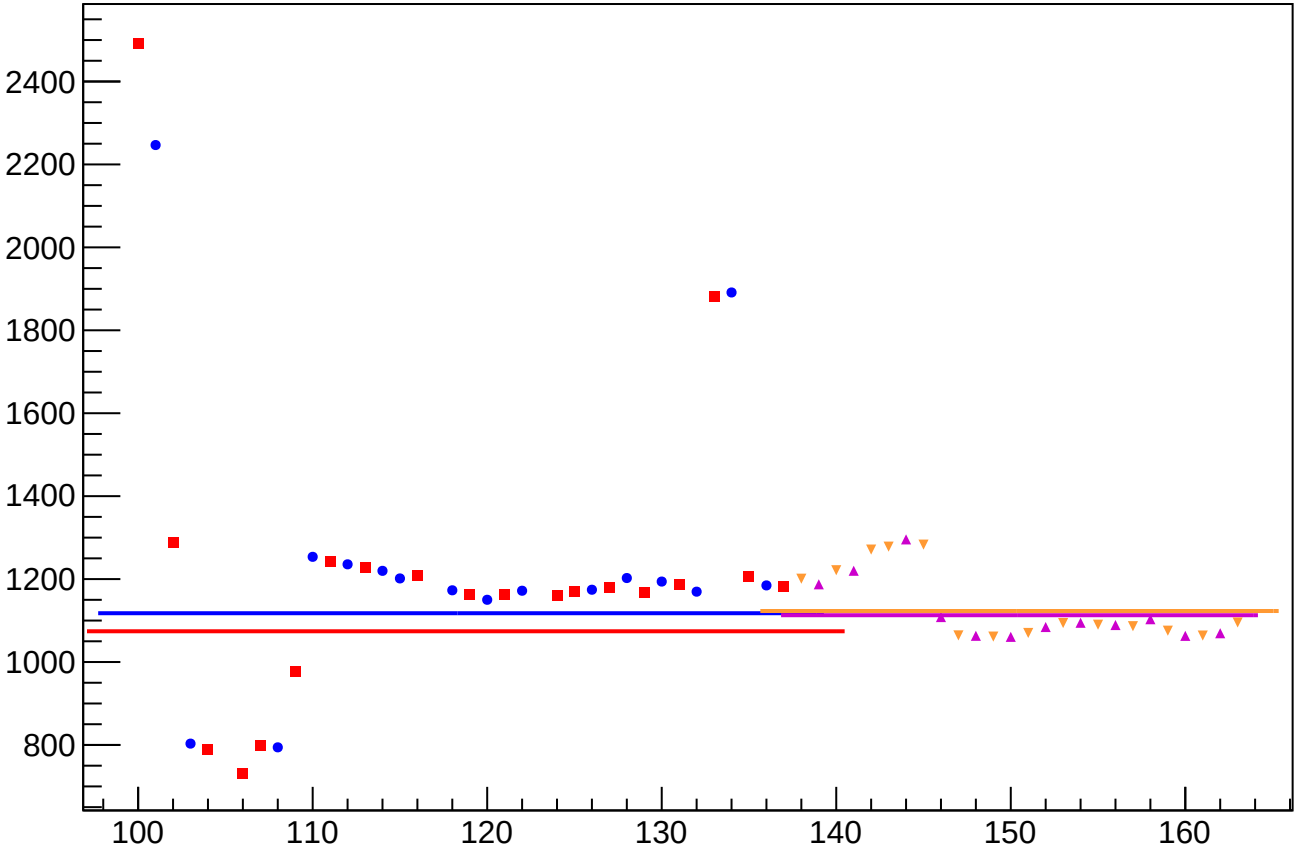
Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -706.881+/-269.068 χ^2/NDF:16.8/27

Out: 584.399+/-260.328 χ^2/NDF:39.1/32

All: -39.927+/-187.093 χ^2/NDF: 67.8/60

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1112.859+/-0.245 χ^2/NDF:73142.4/11

Left: 1118.092+/-0.171 χ^2/NDF: 181728.4/25

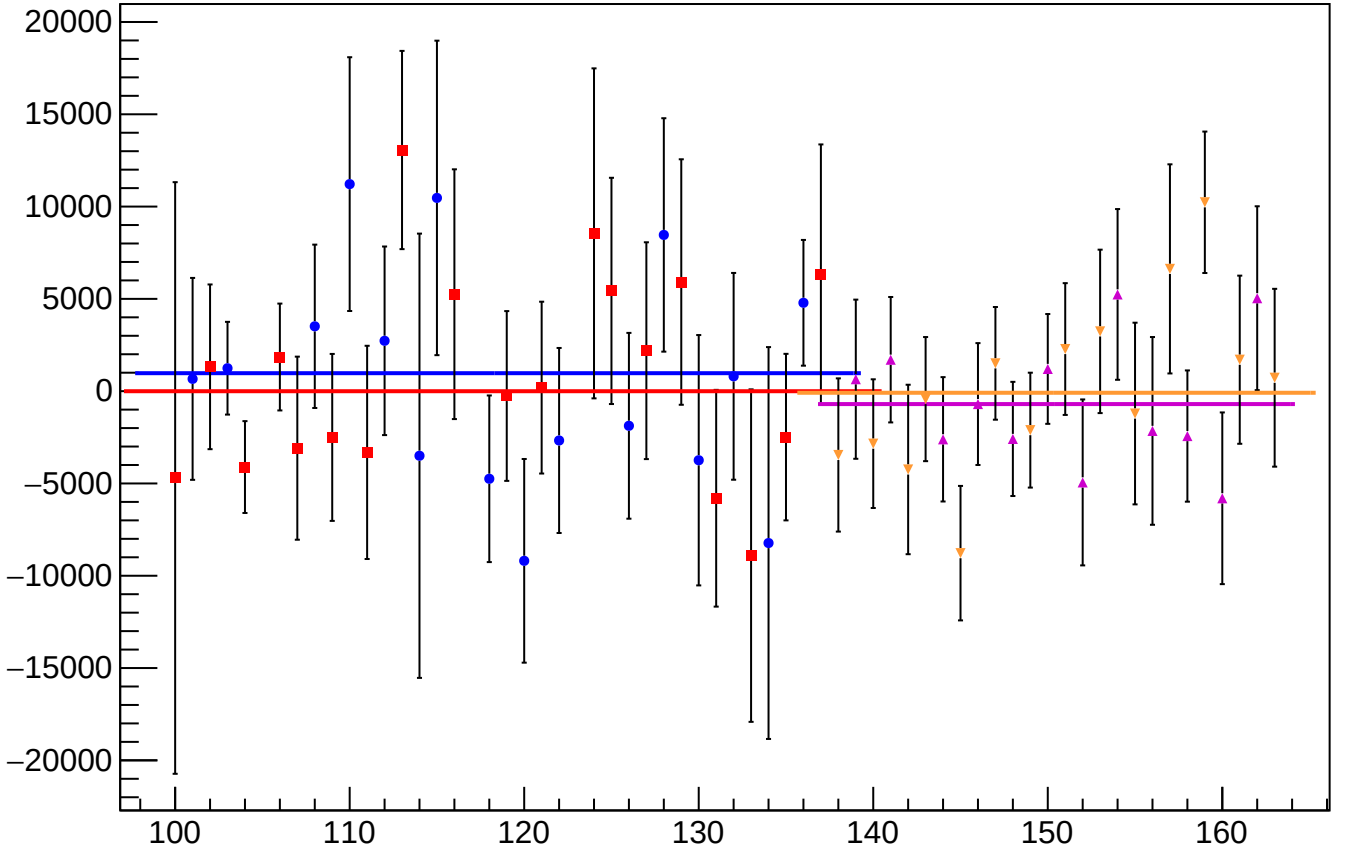
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1114.771+/-0.190 χ^2/NDF:893131.3/27

Out: 1103.260+/-0.183 χ^2/NDF:774300.1/32

All: 1108.807+/-0.132 χ^2/NDF: 1669328.2/60

asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -86.998+/-1040.566 χ^2/NDF:18.4/13

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -699.552+/-1092.107 χ^2/NDF:7.1/11

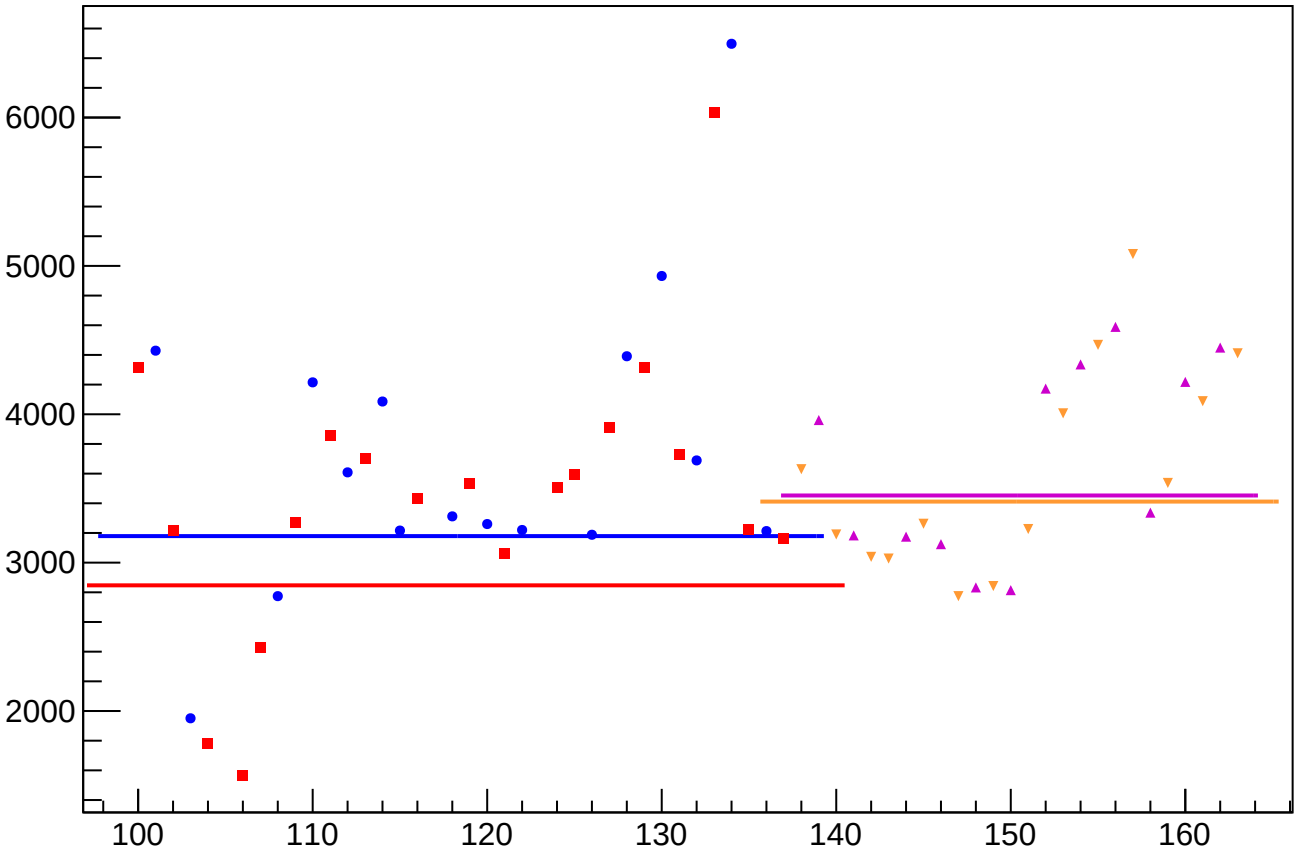
Left: -378.480+/-753.353 χ^2/NDF: 25.7/25

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 36.240+/-817.459 χ^2/NDF:21.9/27

Out: -47.801+/-760.395 χ^2/NDF:35.0/32

All: -8.816+/-556.762 χ^2/NDF: 56.9/60



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3411.546+/-0.736 χ^2/NDF:649802.9/13

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3452.618+/-0.772 χ^2/NDF:606643.7/11

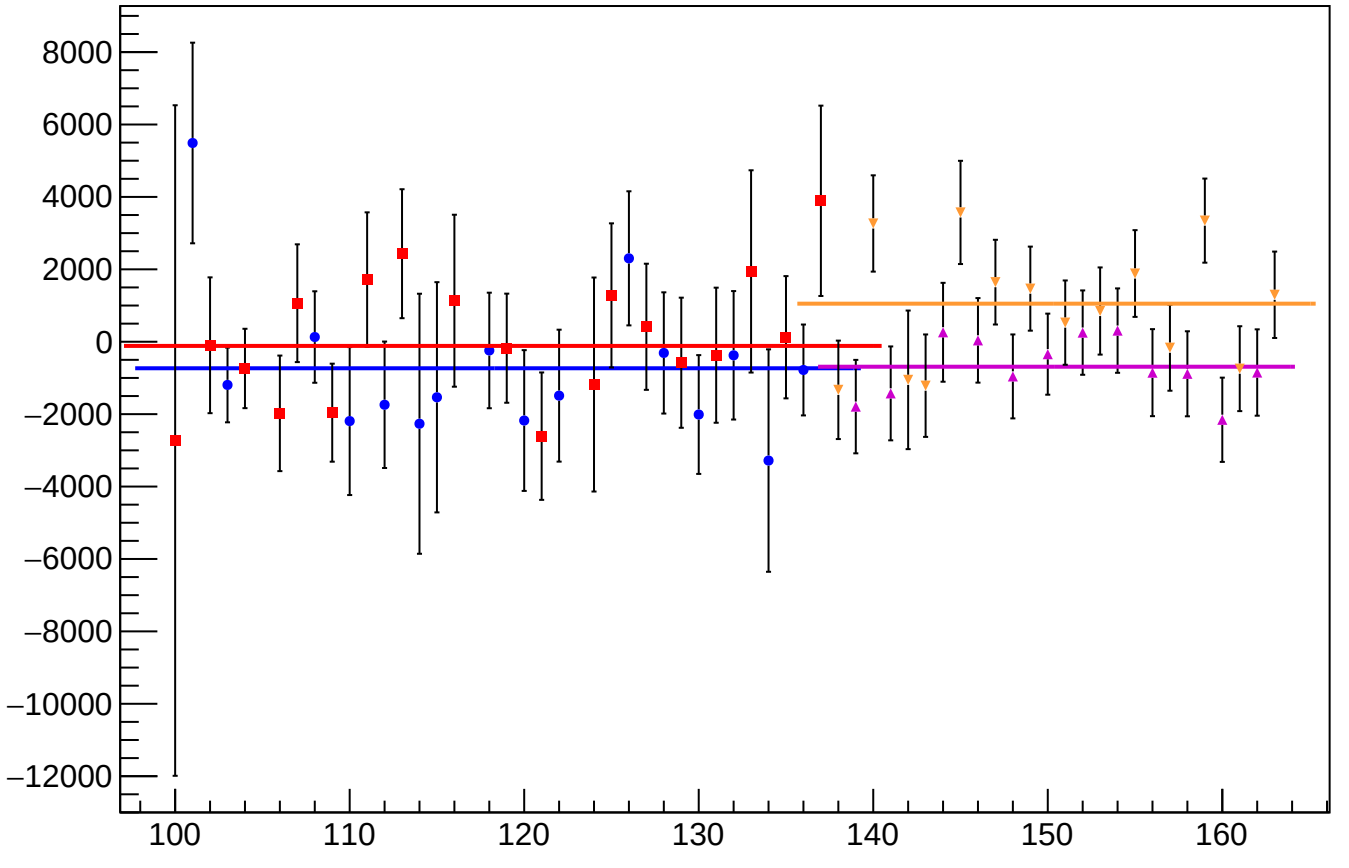
Left: 3431.090+/-0.533 χ^2/NDF: 1257929.3/25

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3332.245+/-0.578 χ^2/NDF:1753577.0/27

Out: 3148.474+/-0.538 χ^2/NDF:2435281.3/32

All: 3233.722+/-0.394 χ^2/NDF: 4243047.5/60



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -689.899+/-346.317 χ^2/NDF:5.1/11

Left: 206.638+/-241.218 χ^2/NDF: 39.3/25

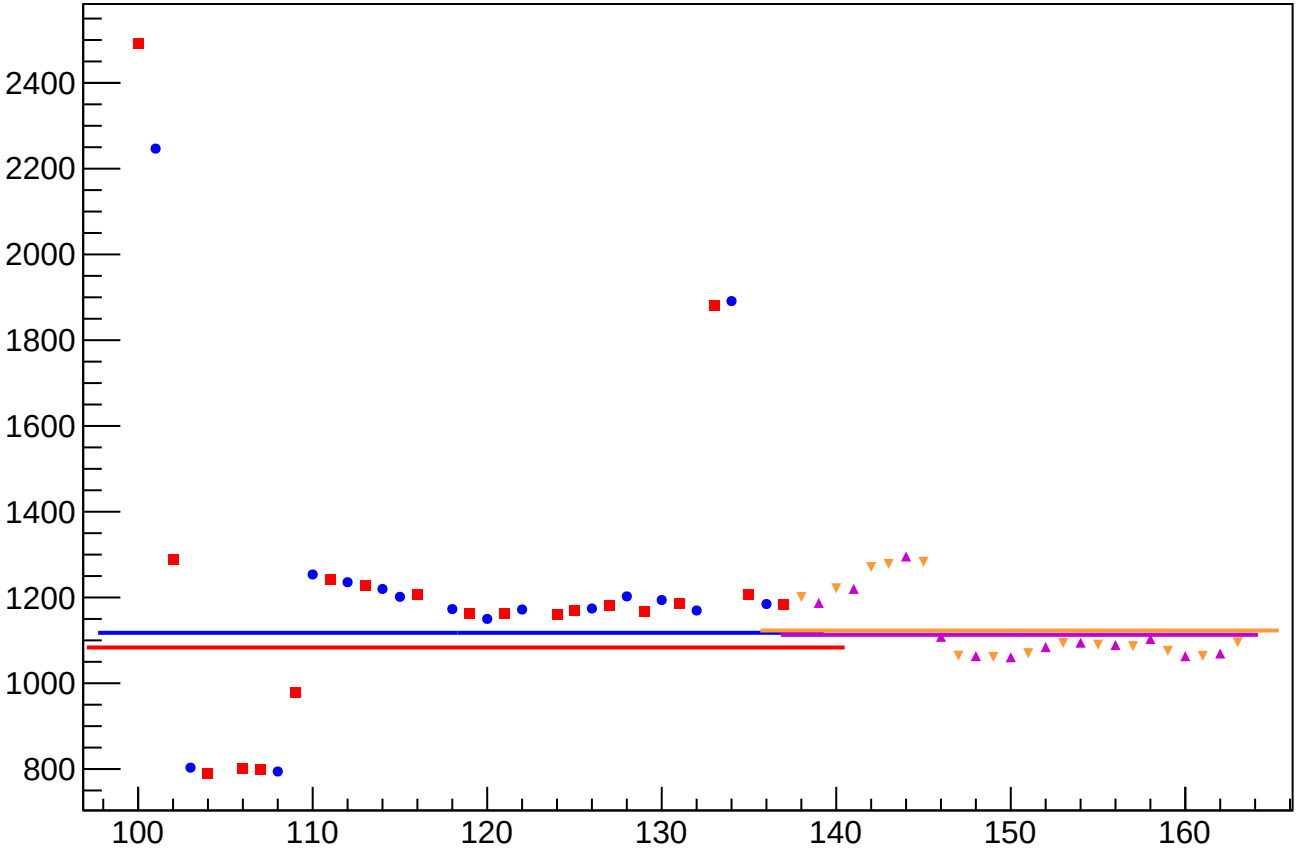
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -706.856+/-269.069 χ^2/NDF:16.8/27

Out: 584.351+/-260.329 χ^2/NDF:39.1/32

All: -39.942+/-187.094 χ^2/NDF: 67.8/60

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.859+/-0.245 χ^2/NDF:73142.4/11

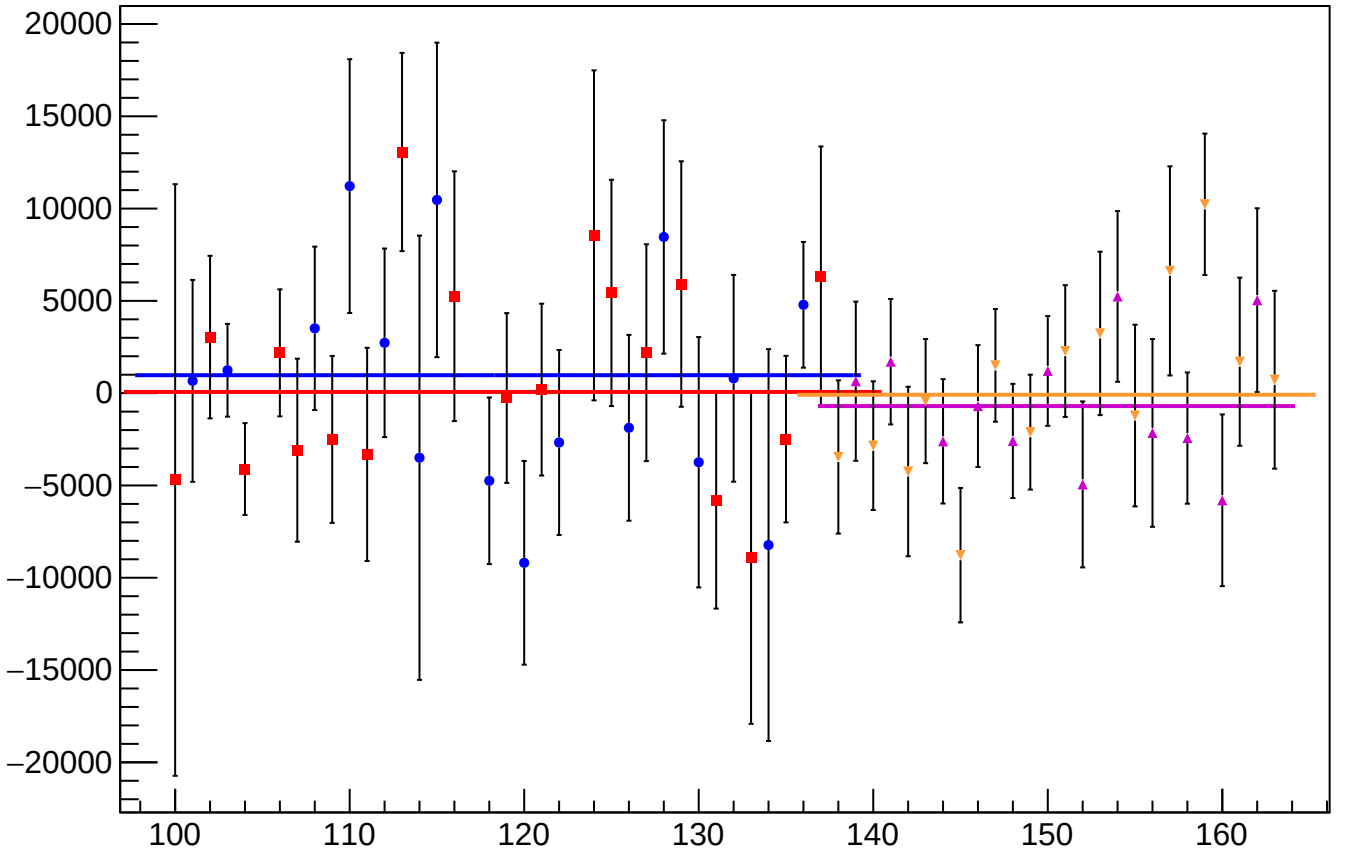
Left: 1118.092+/-0.171 χ^2/NDF: 181728.4/25

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1114.772+/-0.190 χ^2/NDF:893127.9/27

Out: 1107.132+/-0.184 χ^2/NDF:713852.2/32

All: 1110.823+/-0.132 χ^2/NDF: 1607813.6/60



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -699.558+/-1092.107 χ^2/NDF:7.1/11

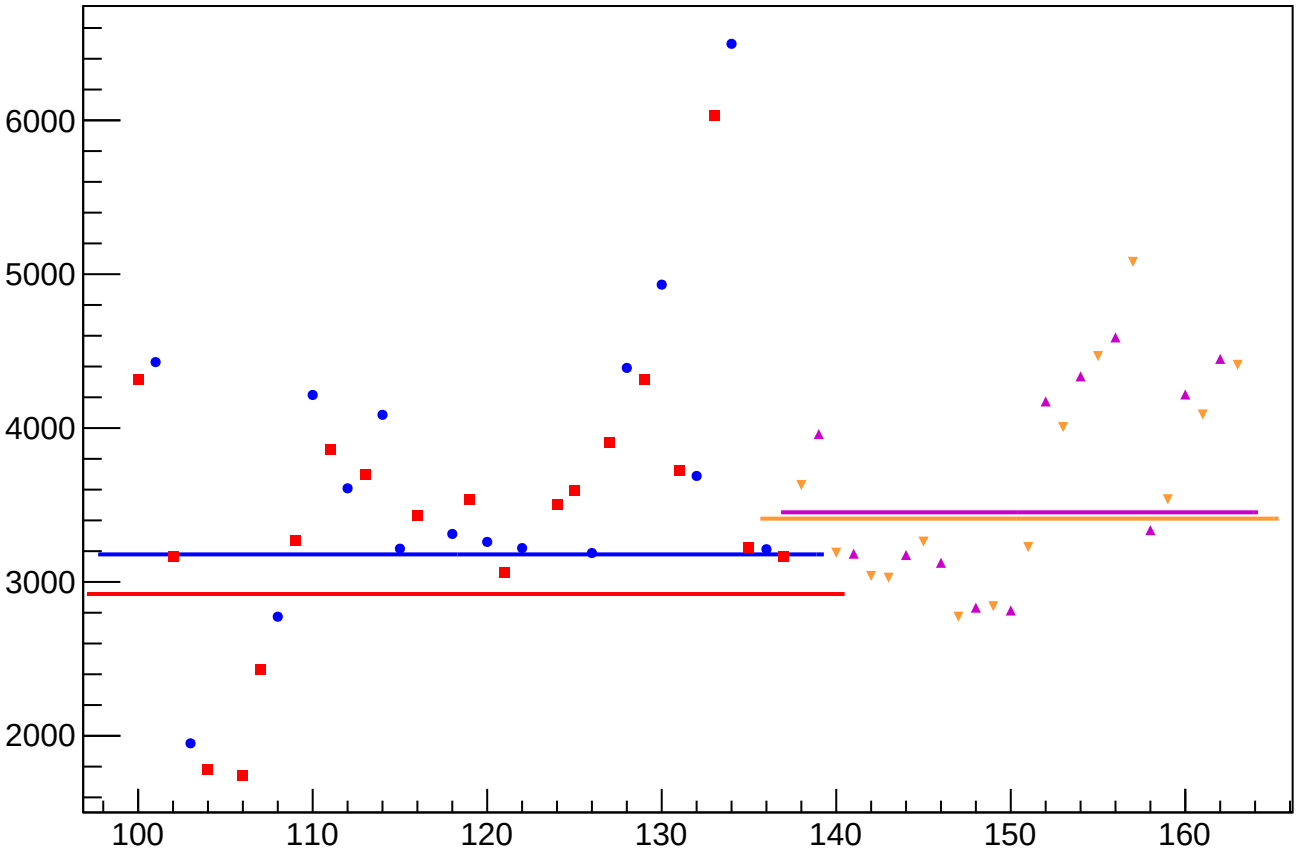
Left: -378.488+/-753.353 χ^2/NDF: 25.7/25

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 35.985+/-817.474 χ^2/NDF:21.9/27

Out: -16.820+/-767.897 χ^2/NDF:35.3/32

All: 7.933+/-559.692 χ^2/NDF: 57.3/60



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3452.618+/-0.772 χ^2/NDF:606646.6/11

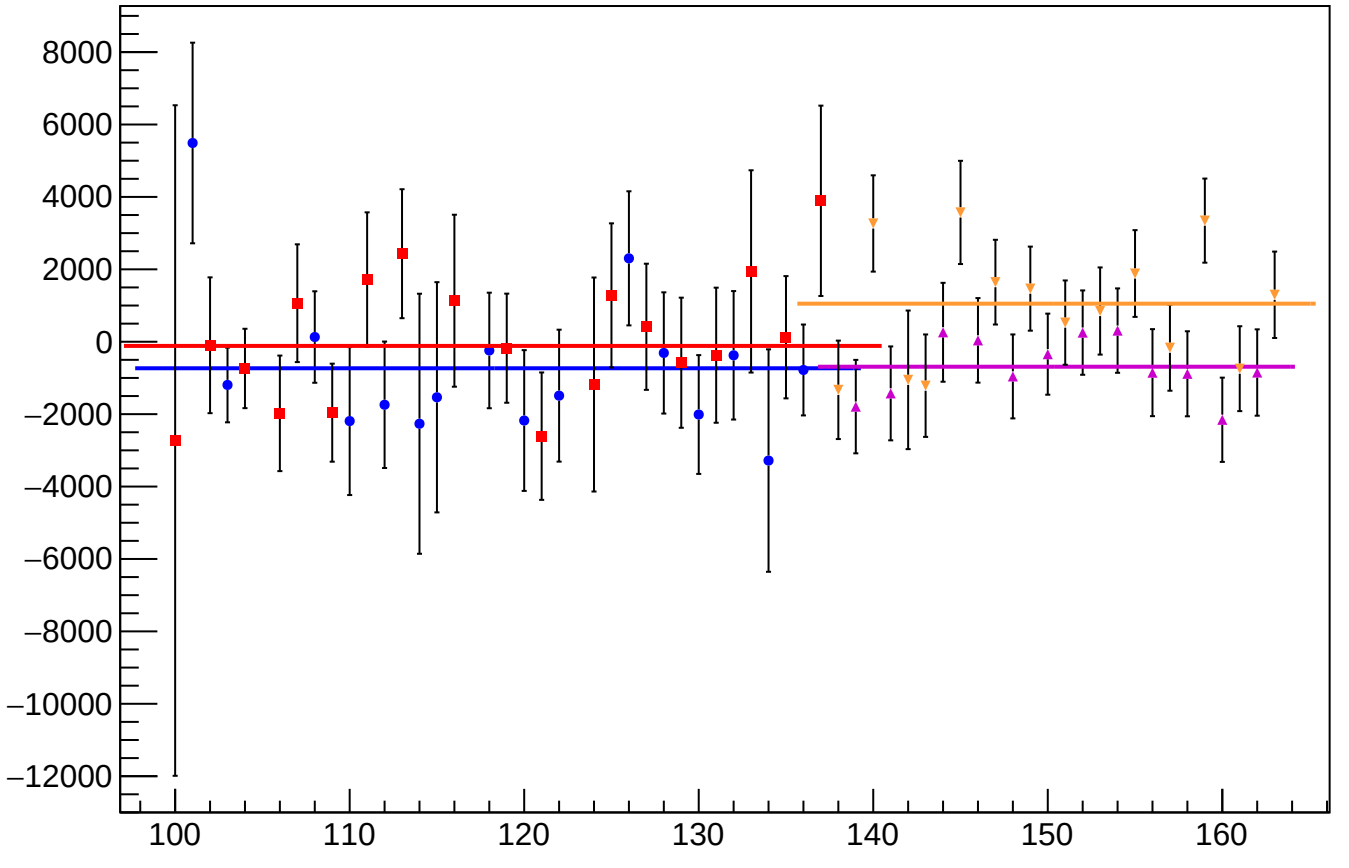
Left: 3431.088+/-0.533 χ^2/NDF: 1257934.5/25

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3332.331+/-0.578 χ^2/NDF:1753062.7/27

Out: 3188.435+/-0.543 χ^2/NDF:2164583.7/32

All: 3255.888+/-0.396 χ^2/NDF: 3950567.2/60



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 1051.448+/-336.178 χ^2/NDF:21.2/13

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -689.899+/-346.317 χ^2/NDF:5.1/11

Left: 206.638+/-241.218 χ^2/NDF: 39.3/25

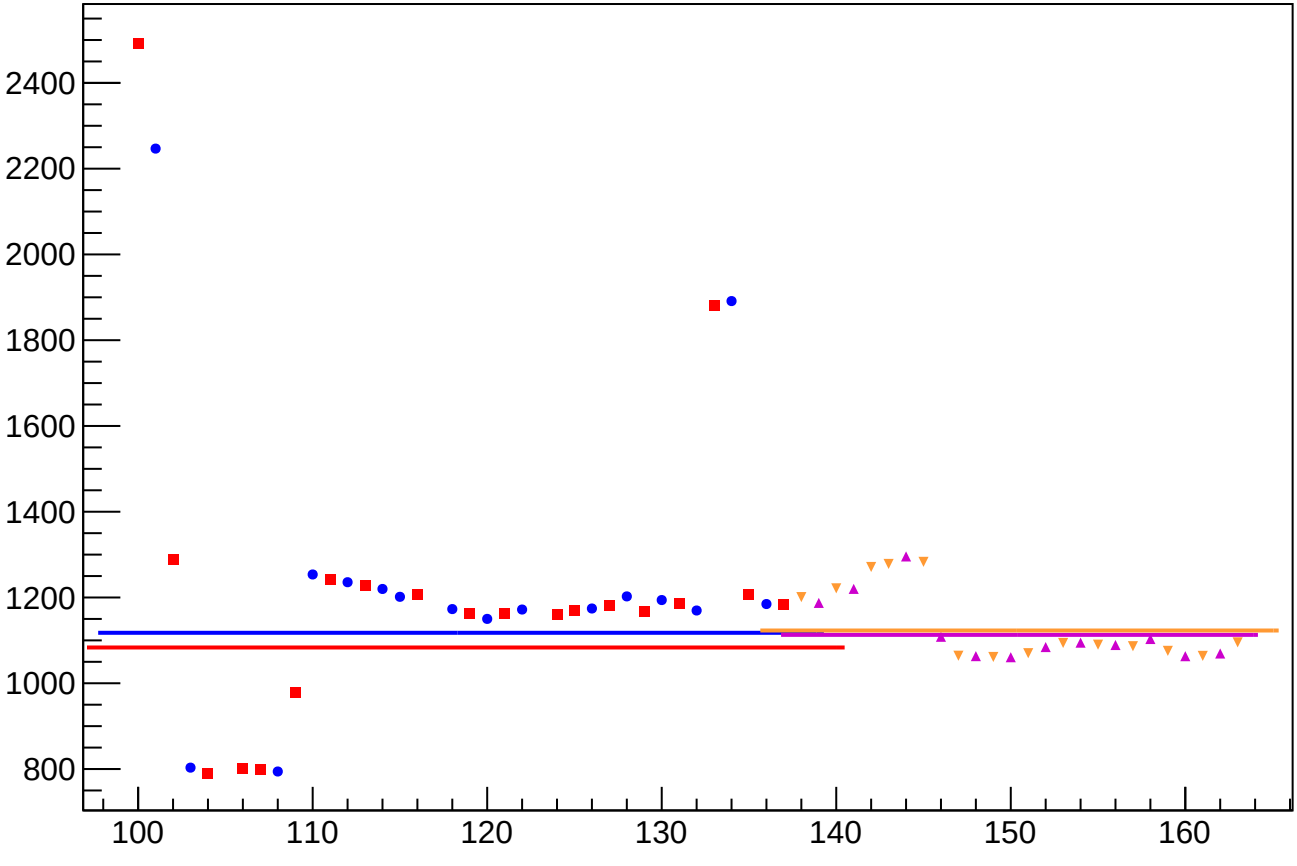
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -706.856+/-269.069 χ^2/NDF:16.8/27

Out: 584.351+/-260.329 χ^2/NDF:39.1/32

All: -39.942+/-187.094 χ^2/NDF: 67.8/60

eigen_cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1123.022+/-0.238 χ^2/NDF:107699.3/13

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1112.859+/-0.245 χ^2/NDF:73142.4/11

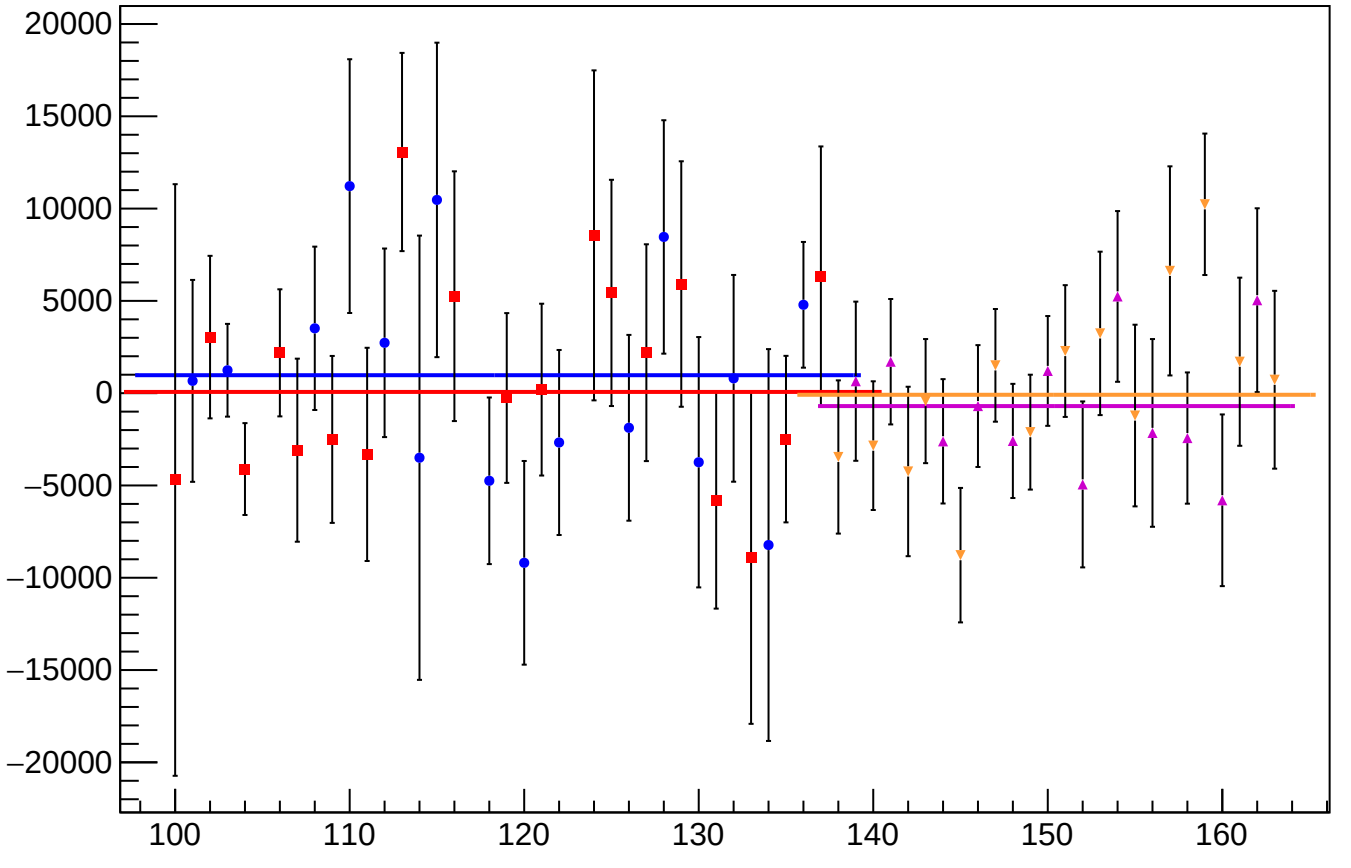
Left: 1118.092+/-0.171 χ^2/NDF: 181728.4/25

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1114.772+/-0.190 χ^2/NDF:893127.9/27

Out: 1107.132+/-0.184 χ^2/NDF:713852.2/32

All: 1110.823+/-0.132 χ^2/NDF: 1607813.6/60



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -87.009+/-1040.564 χ^2/NDF:18.4/13

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -699.558+/-1092.107 χ^2/NDF:7.1/11

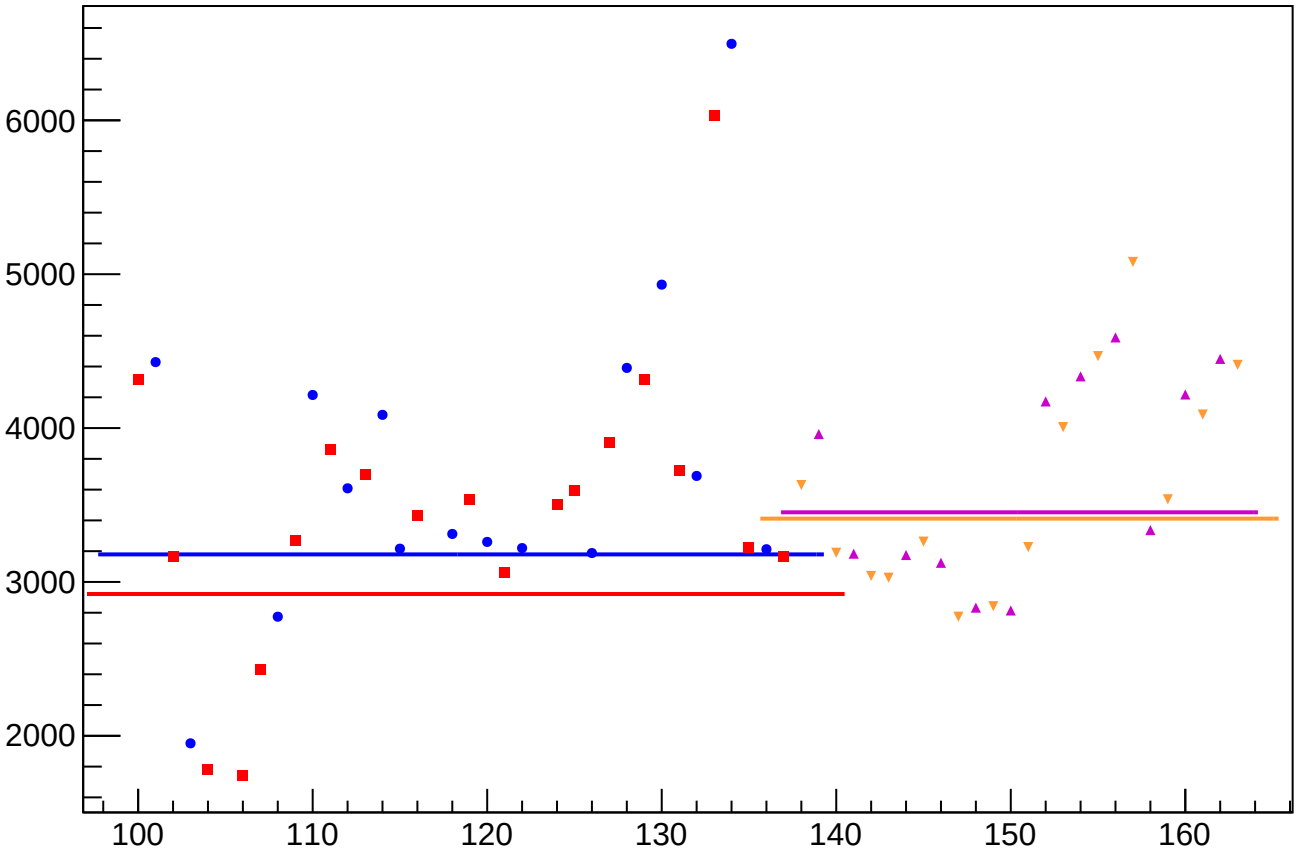
Left: -378.488+/-753.353 χ^2/NDF: 25.7/25

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 35.985+/-817.474 χ^2/NDF:21.9/27

Out: -16.820+/-767.897 χ^2/NDF:35.3/32

All: 7.933+/-559.692 χ^2/NDF: 57.3/60



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3411.541+/-0.736 χ^2/NDF:649804.9/13

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3452.618+/-0.772 χ^2/NDF:606646.6/11

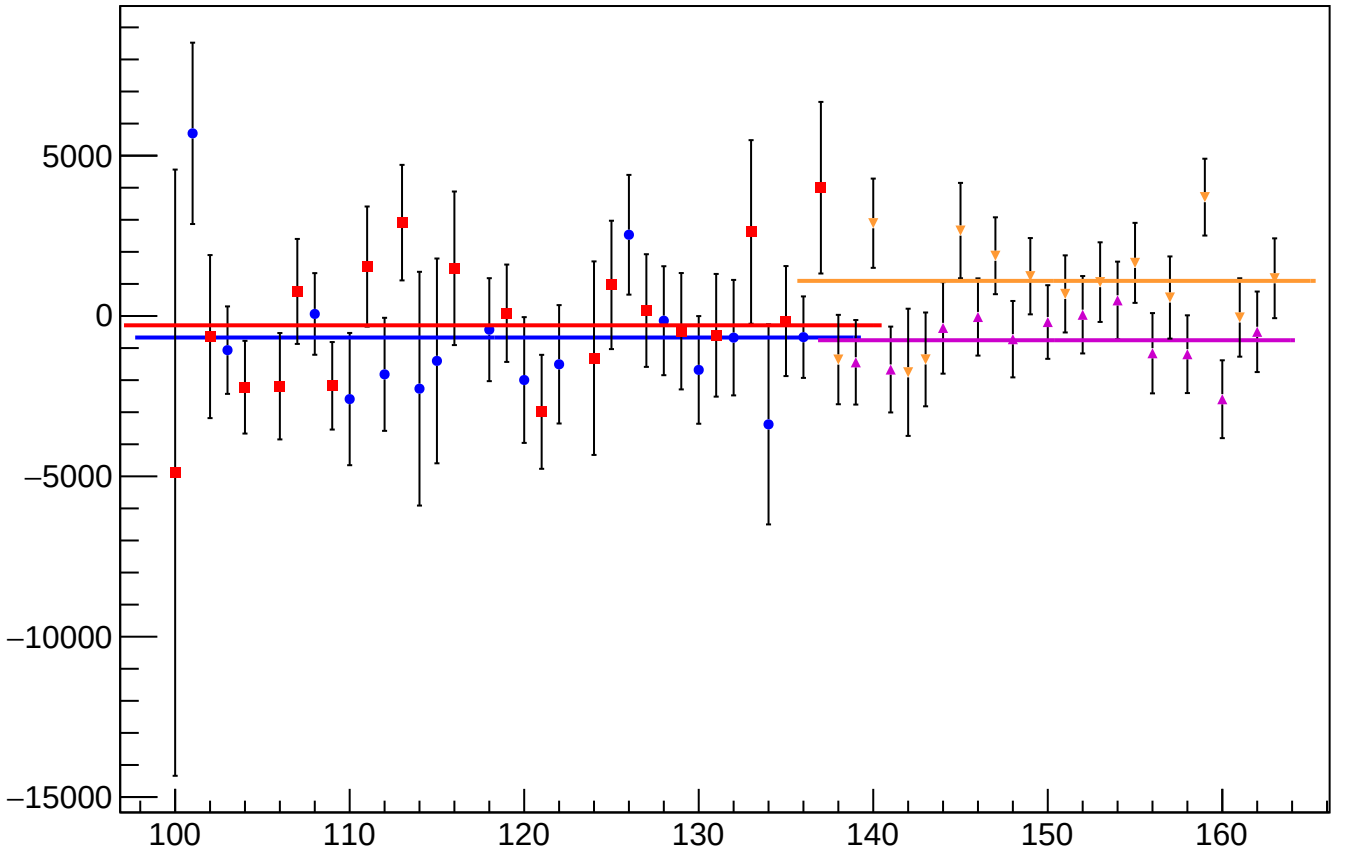
Left: 3431.088+/-0.533 χ^2/NDF: 1257934.5/25

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3332.331+/-0.578 χ^2/NDF:1753062.7/27

Out: 3188.435+/-0.543 χ^2/NDF:2164583.7/32

All: 3255.888+/-0.396 χ^2/NDF: 3950567.2/60



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1095.238+/-348.962 χ^2/NDF:17.3/13

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -755.671+/-358.459 χ^2/NDF:5.5/11

Left: 194.629+/-250.043 χ^2/NDF: 36.5/25

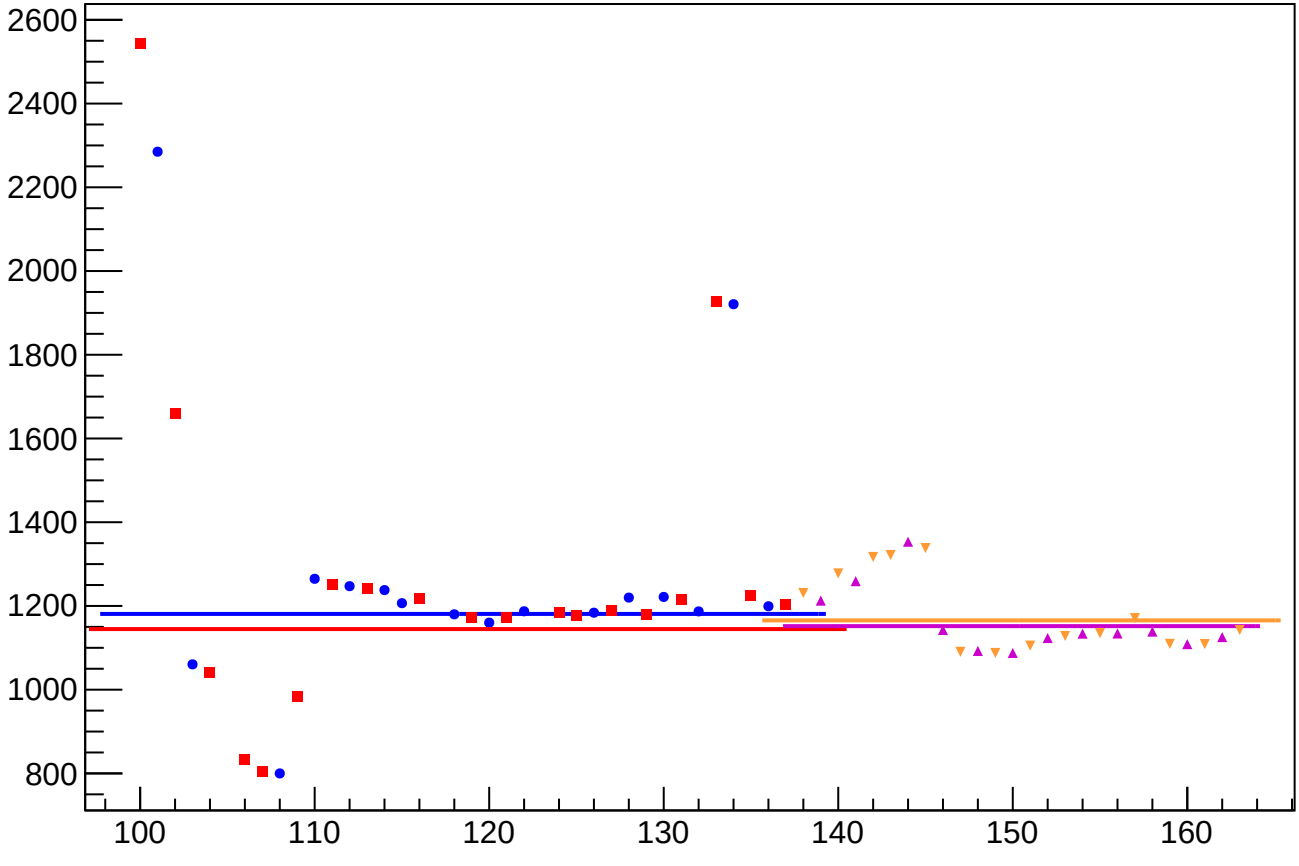
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -722.596+/-280.013 χ^2/NDF:17.4/27

Out: 551.842+/-272.058 χ^2/NDF:40.4/32

All: -67.018+/-195.126 χ^2/NDF: 68.4/60

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1165.512+/-0.247 χ^2/NDF:112621.7/13

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1151.787+/-0.253 χ^2/NDF:73955.5/11

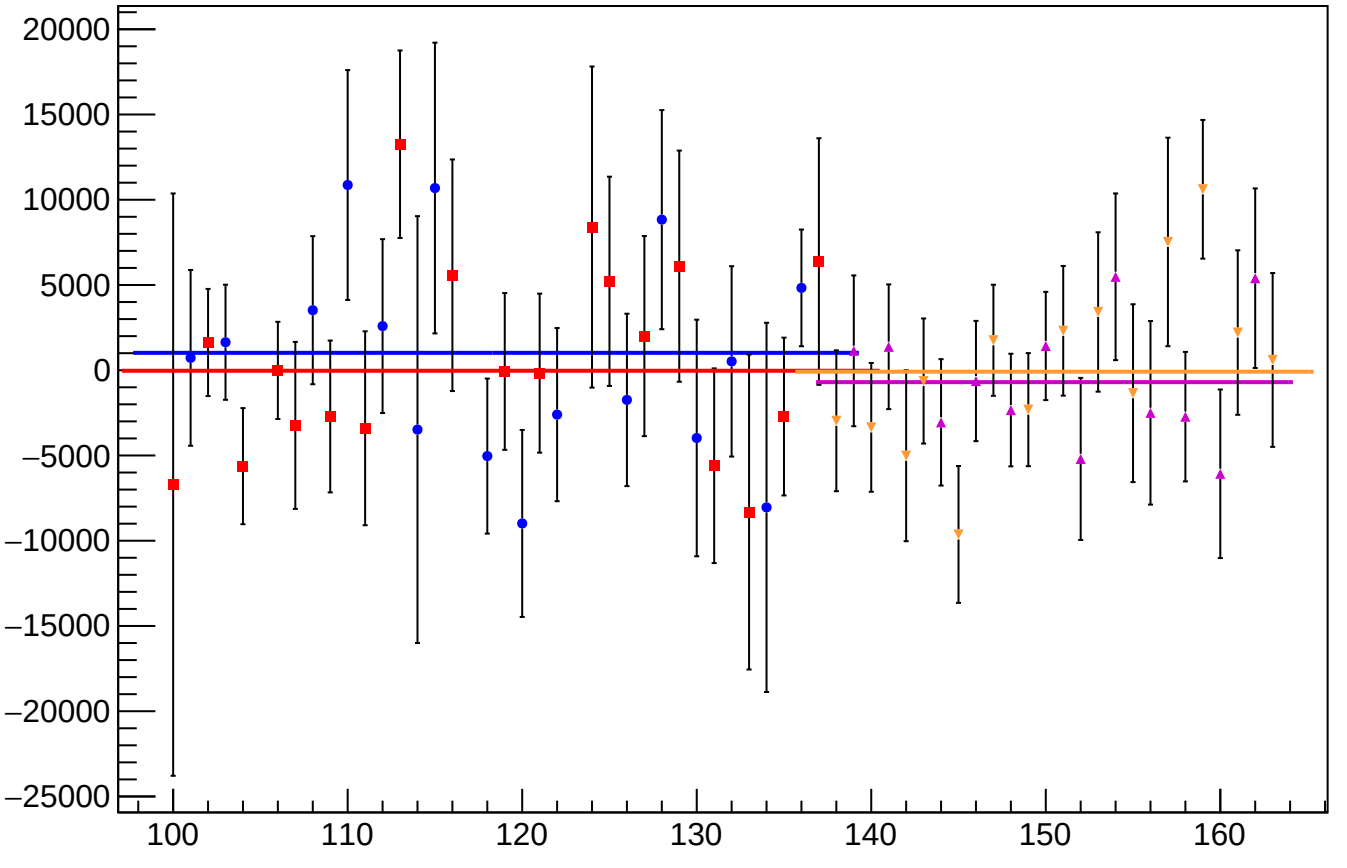
Left: 1158.834+/-0.177 χ^2/NDF: 188082.7/25

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1163.156+/-0.198 χ^2/NDF:700996.1/27

Out: 1157.376+/-0.192 χ^2/NDF:613123.4/32

All: 1160.182+/-0.138 χ^2/NDF: 1314558.1/60



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -85.774+/-1110.891 χ^2/NDF:18.4/13

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -698.561+/-1164.962 χ^2/NDF:7.0/11

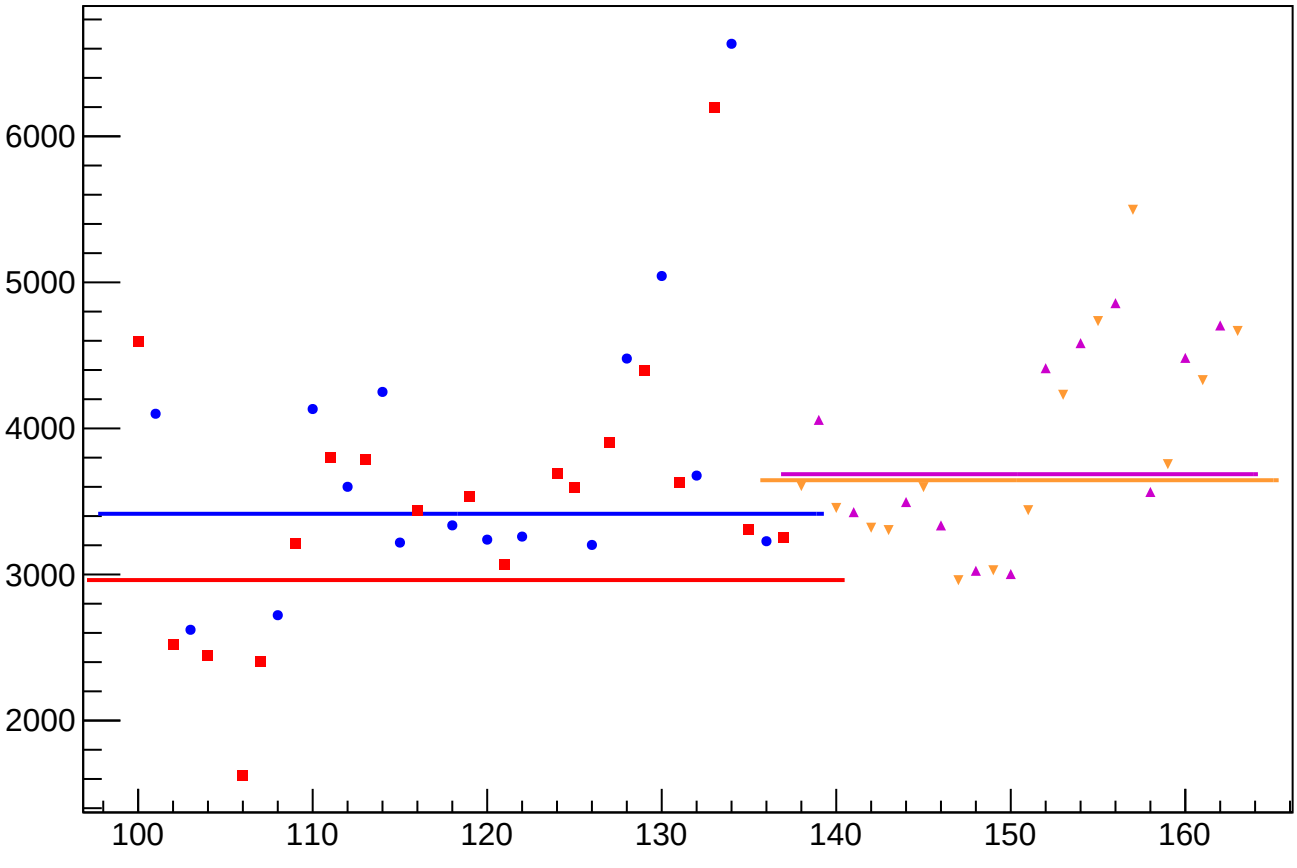
Left: -377.617+/-803.955 χ^2/NDF: 25.5/25

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 65.732+/-868.301 χ^2/NDF:21.8/27

Out: -58.448+/-792.444 χ^2/NDF:34.5/32

All: -2.018+/-585.327 χ^2/NDF: 56.4/60



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3645.442+/-0.786 χ^2/NDF:618703.3/13

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3686.746+/-0.824 χ^2/NDF:559534.7/11

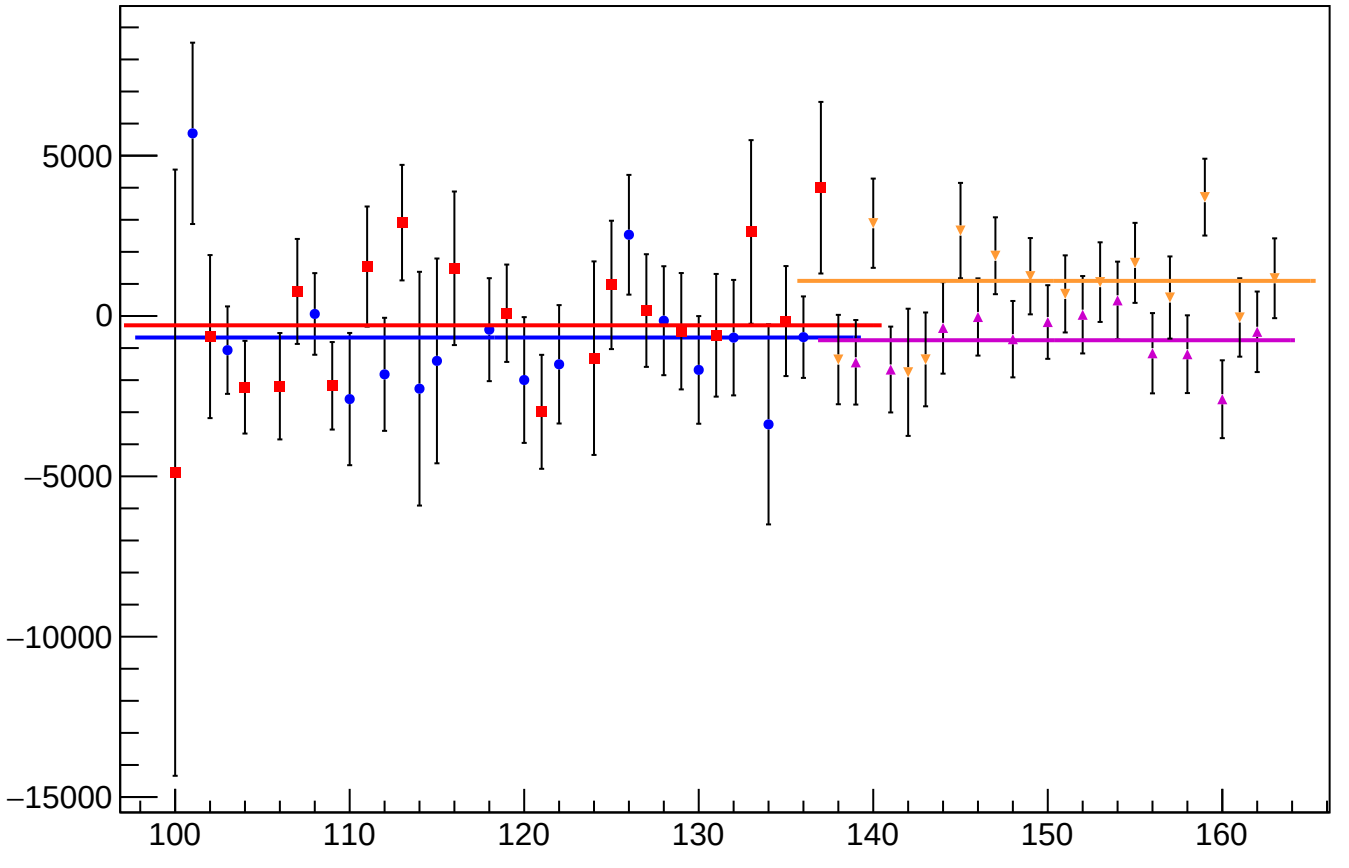
Left: 3665.113+/-0.568 χ^2/NDF: 1179554.9/25

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3566.231+/-0.614 χ^2/NDF:1200035.9/27

Out: 3309.674+/-0.560 χ^2/NDF:2159971.7/32

All: 3426.258+/-0.414 χ^2/NDF: 3455269.0/60



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 1095.248+/-348.962 χ^2/NDF:17.3/13

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -755.669+/-358.459 χ^2/NDF:5.5/11

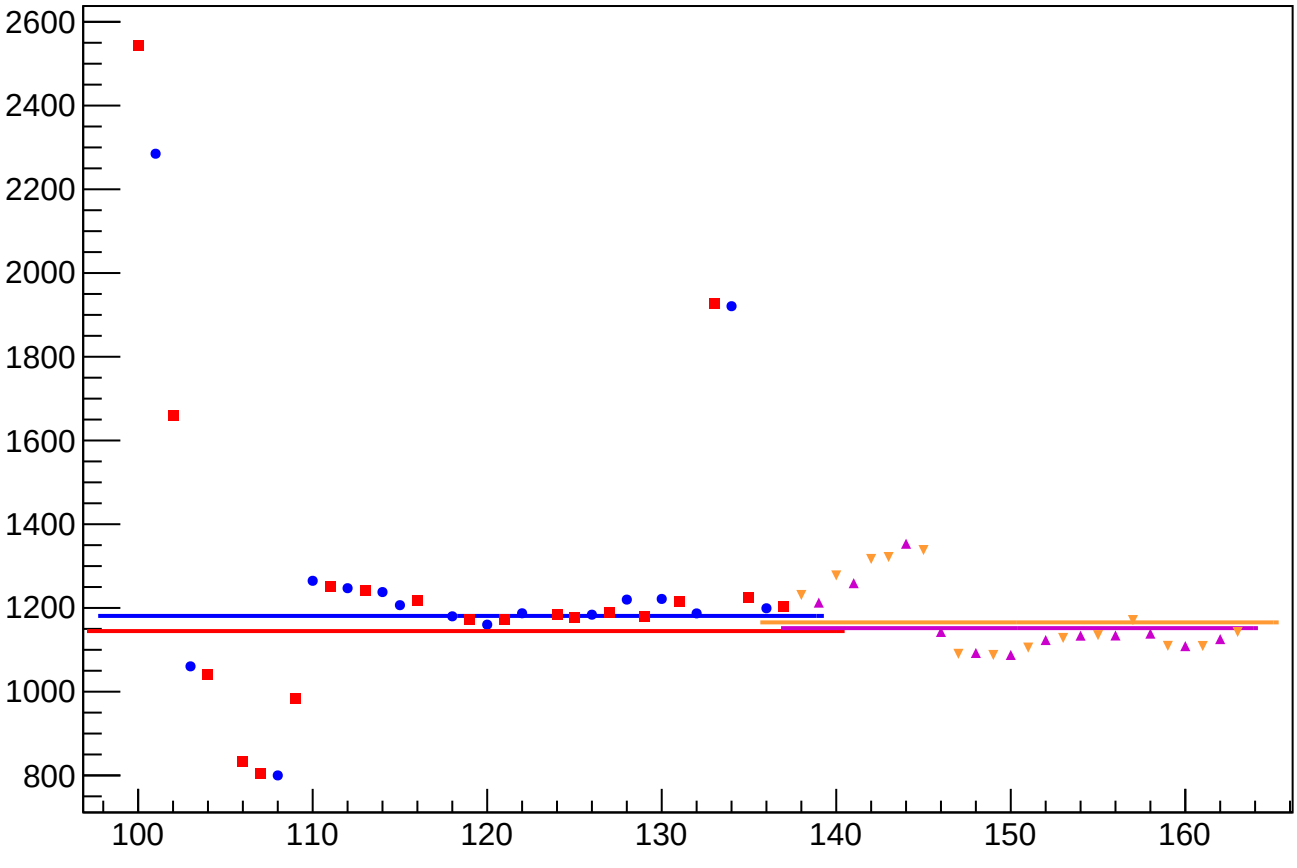
Left: 194.634+/-250.044 χ^2/NDF: 36.5/25

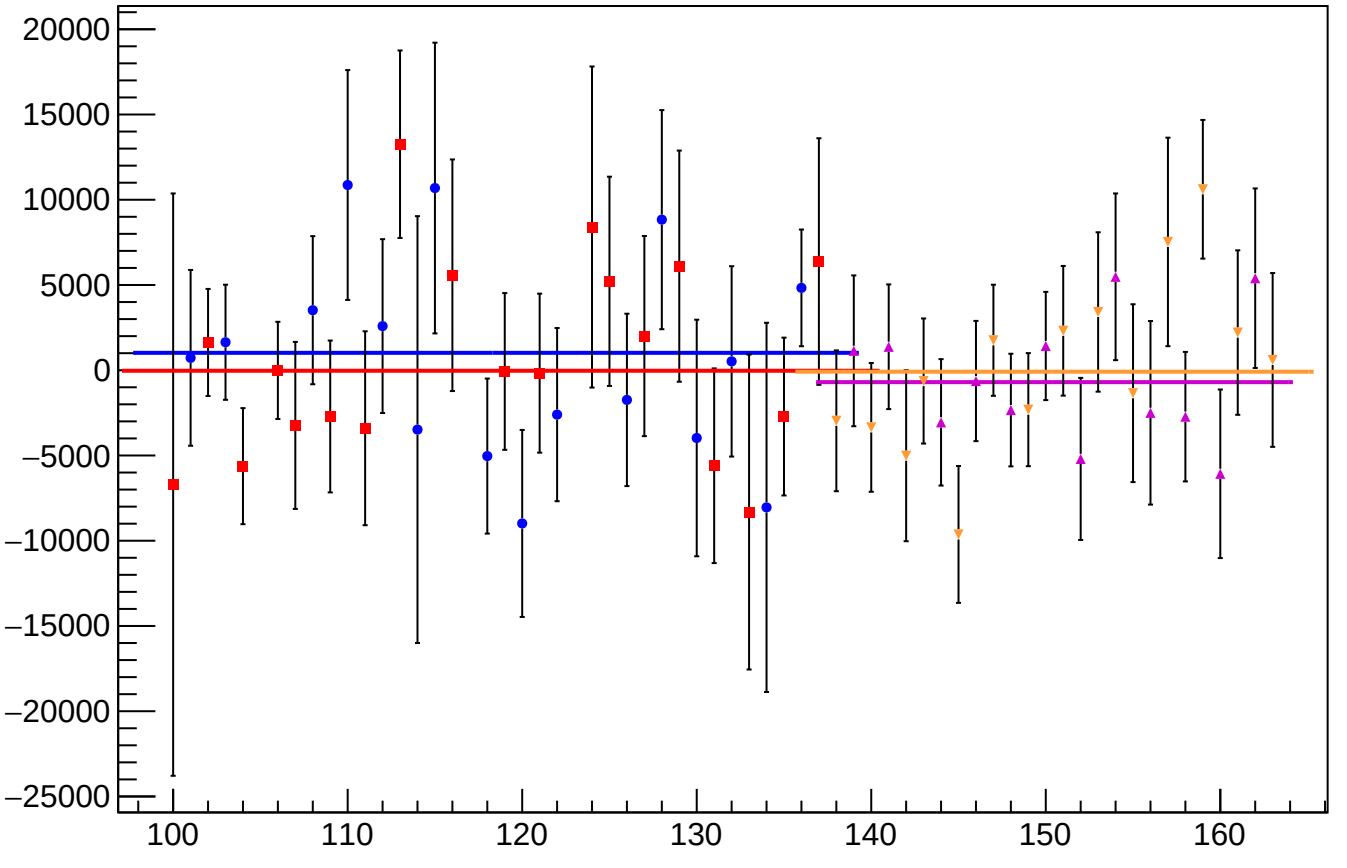
Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -722.597+/-280.013 χ^2/NDF:17.4/27

Out: 551.845+/-272.059 χ^2/NDF:40.4/32

All: -67.016+/-195.126 χ^2/NDF: 68.4/60


eigen_dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1180.955+/-0.317 χ²/NDF: 621878.9/15
Left Out: 1165.513+/-0.247 χ²/NDF:112621.3/13
Right Out: 1144.777+/-0.307 χ²/NDF: 497730.2/18
Left In: 1151.788+/-0.253 χ²/NDF:73954.9/11
Left: 1158.835+/-0.177 χ²/NDF: 188081.7/25
Right: 1162.281+/-0.221 χ²/NDF: 1126326.4/34
In: 1163.157+/-0.198 χ²/NDF:700995.4/27
Out: 1157.376+/-0.192 χ²/NDF:613122.8/32
All: 1160.183+/-0.138 χ²/NDF: 1314556.7/60



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -85.771+/-1110.893 χ^2/NDF:18.4/13

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -698.560+/-1164.963 χ^2/NDF:7.0/11

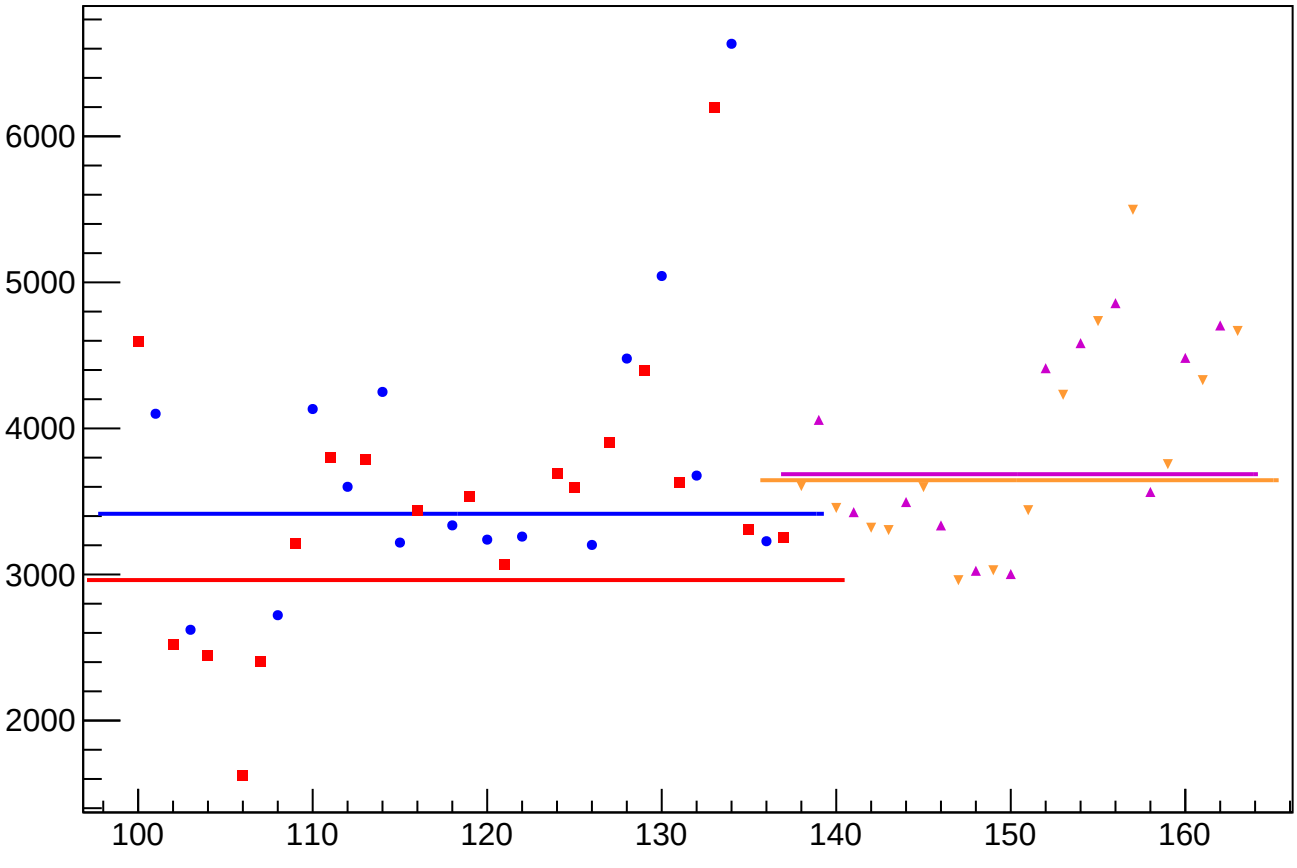
Left: -377.615+/-803.956 χ^2/NDF: 25.5/25

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 65.727+/-868.301 χ^2/NDF:21.8/27

Out: -58.449+/-792.444 χ^2/NDF:34.5/32

All: -2.021+/-585.327 χ^2/NDF: 56.4/60



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3645.446+/-0.786 χ^2/NDF:618702.7/13

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3686.751+/-0.824 χ^2/NDF:559532.3/11

Left: 3665.118+/-0.568 χ^2/NDF: 1179551.8/25

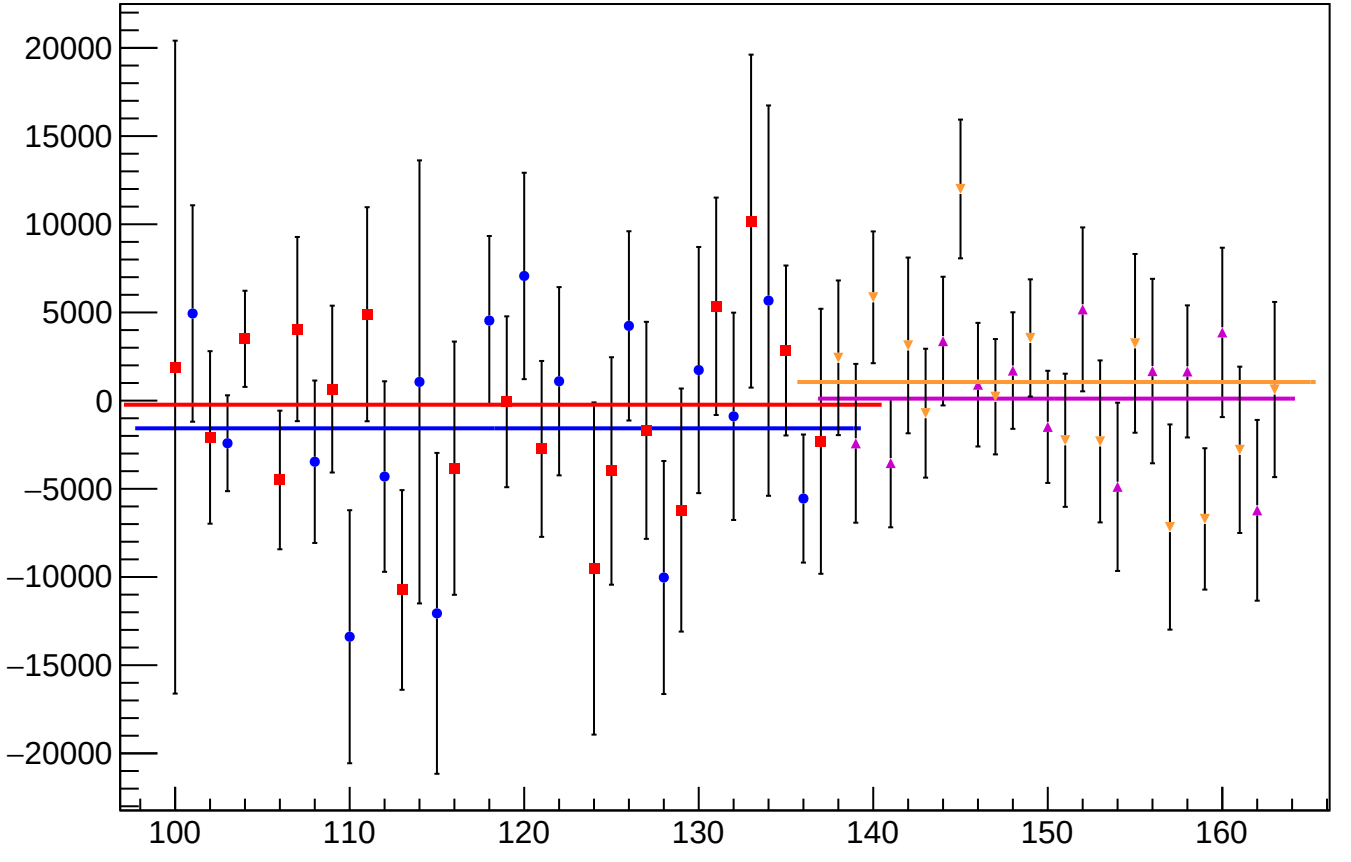
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3566.231+/-0.614 χ^2/NDF:1200031.4/27

Out: 3309.673+/-0.560 χ^2/NDF:2159981.5/32

All: 3426.258+/-0.414 χ^2/NDF: 3455275.5/60

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1055.306+/-1103.427 χ^2/NDF:18.4/13

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 114.170+/-1153.809 χ^2/NDF:7.3/11

Left: 605.734+/-797.457 χ^2/NDF: 26.1/25

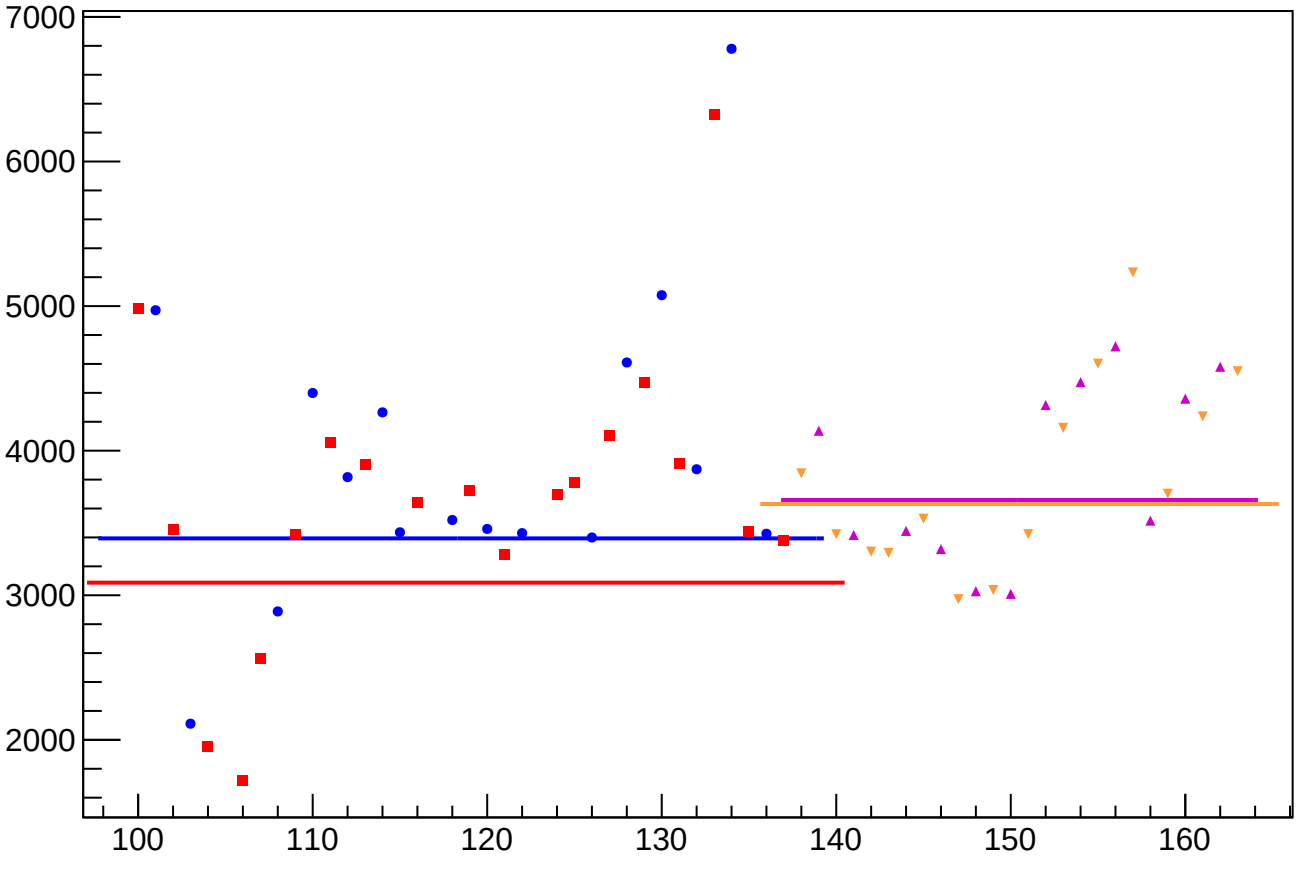
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -619.637+/-866.696 χ^2/NDF:22.7/27

Out: 478.721+/-819.658 χ^2/NDF:32.3/32

All: -39.845+/-595.520 χ^2/NDF: 55.9/60

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3630.834+/-0.780 χ^2/NDF:542748.9/13

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3659.107+/-0.816 χ^2/NDF:504370.4/11

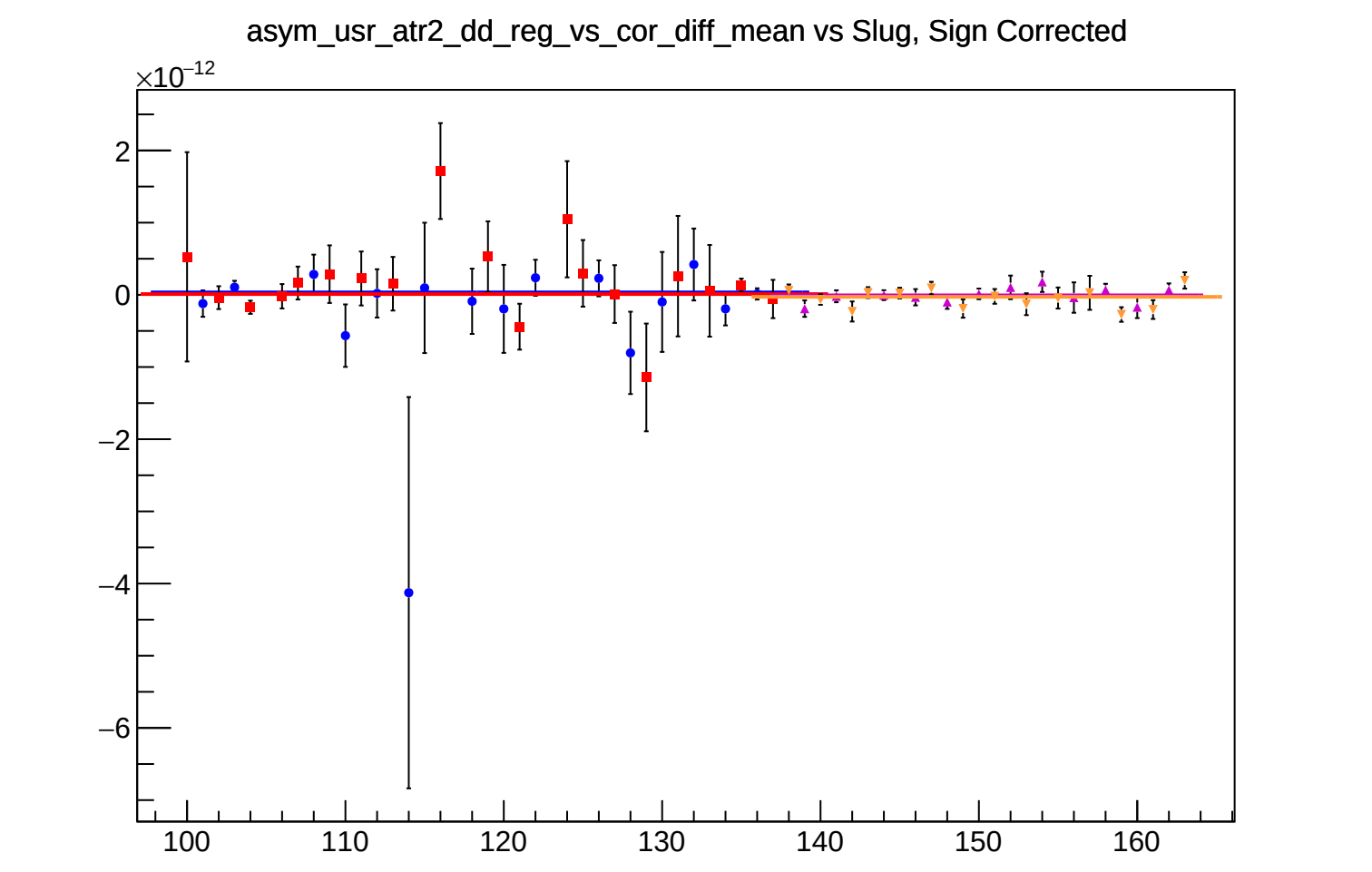
Left: 3644.340+/-0.564 χ^2/NDF: 1047746.5/25

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3543.308+/-0.613 χ^2/NDF:1599308.5/27

Out: 3382.674+/-0.575 χ^2/NDF:2092667.3/32

All: 3457.902+/-0.419 χ^2/NDF: 3728503.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/11

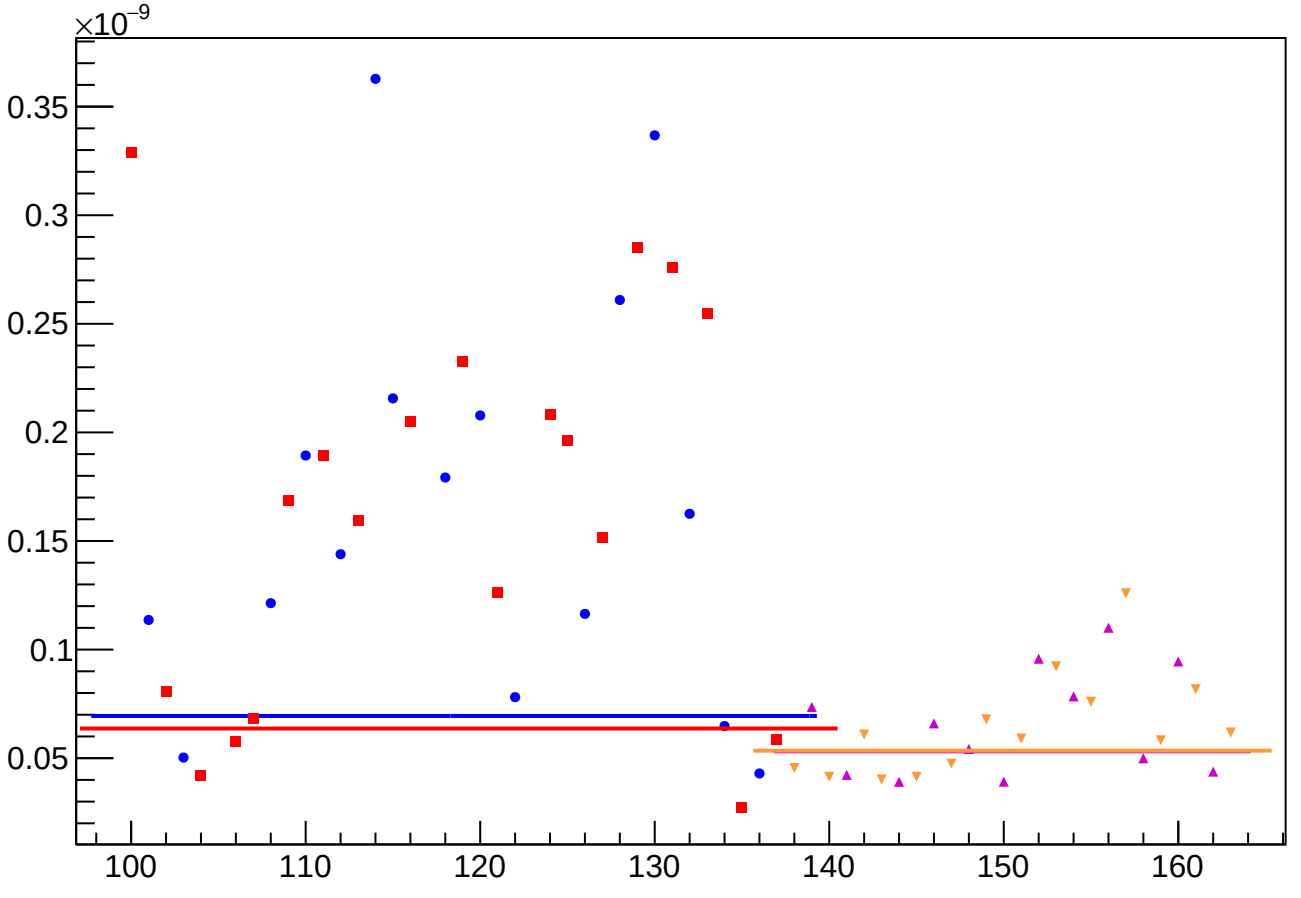
Left: -0.000+/-0.000 χ^2/NDF: 29.1/25

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.8/27

Out: -0.000+/-0.000 χ^2/NDF:42.6/32

All: -0.000+/-0.000 χ^2/NDF: 63.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:710282.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:799227.4/11

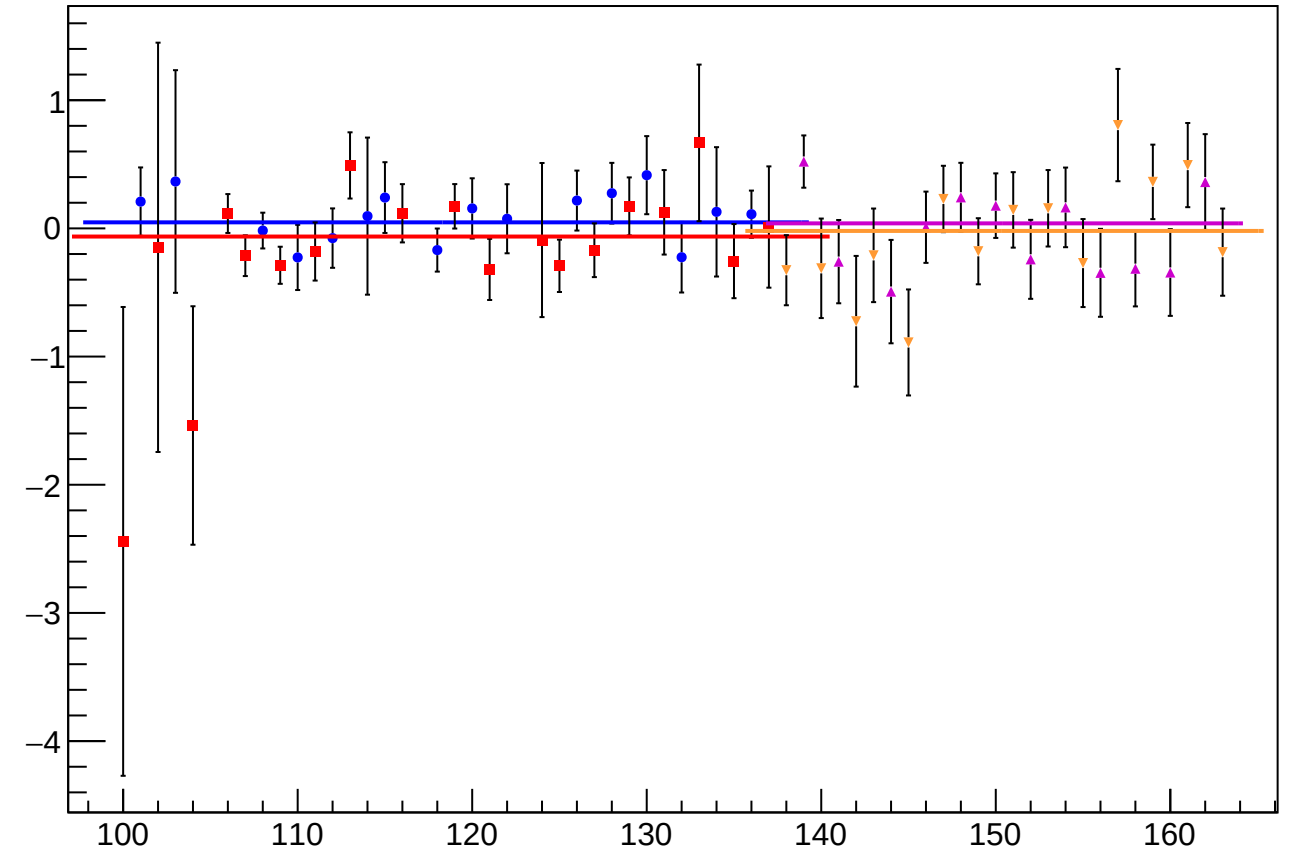
Left: 0.000+/-0.000 χ^2/NDF: 1509639.6/25

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2693805.8/27

Out: 0.000+/-0.000 χ^2/NDF:3025843.1/32

All: 0.000+/-0.000 χ^2/NDF: 5723499.2/60



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.039+/-0.085 χ^2/NDF:14.8/11

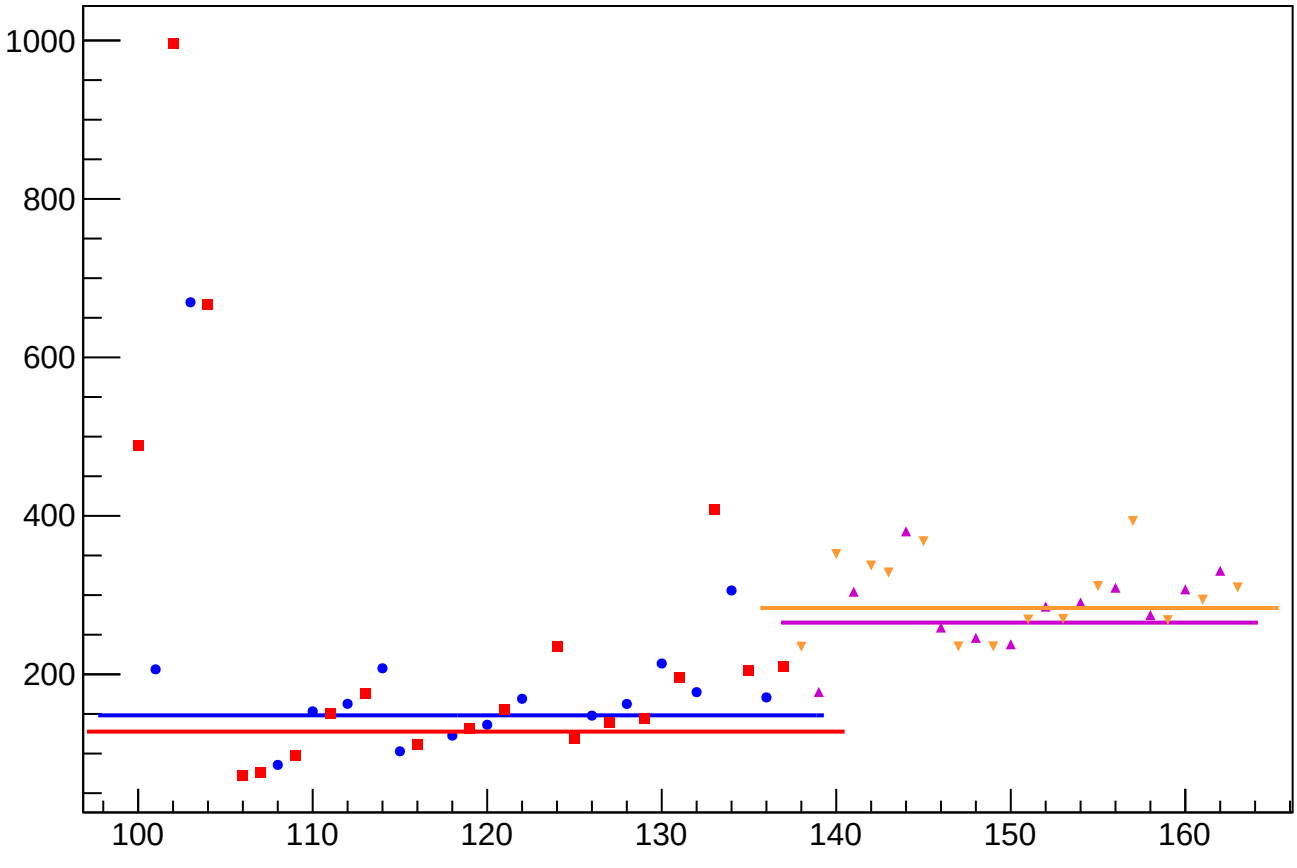
Left: 0.010+/-0.061 χ^2/NDF: 33.9/25

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.044+/-0.049 χ^2/NDF:23.4/27

Out: -0.051+/-0.046 χ^2/NDF:41.3/32

All: -0.006+/-0.034 χ^2/NDF: 66.7/60



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 283.710+/-0.061 χ^2/NDF:568257.6/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 265.271+/-0.060 χ^2/NDF:743933.5/11

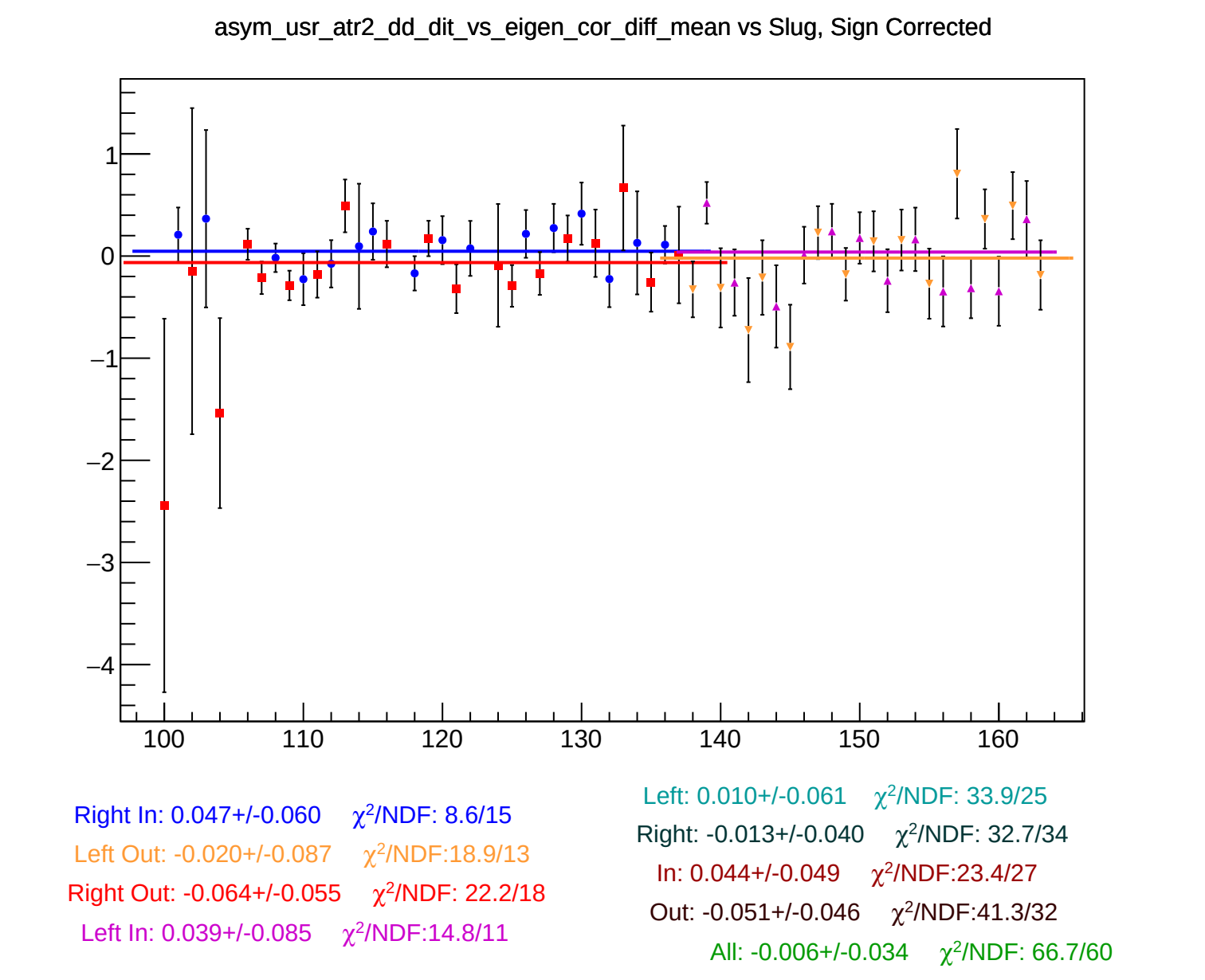
Left: 274.300+/-0.043 χ^2/NDF: 1358479.6/25

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

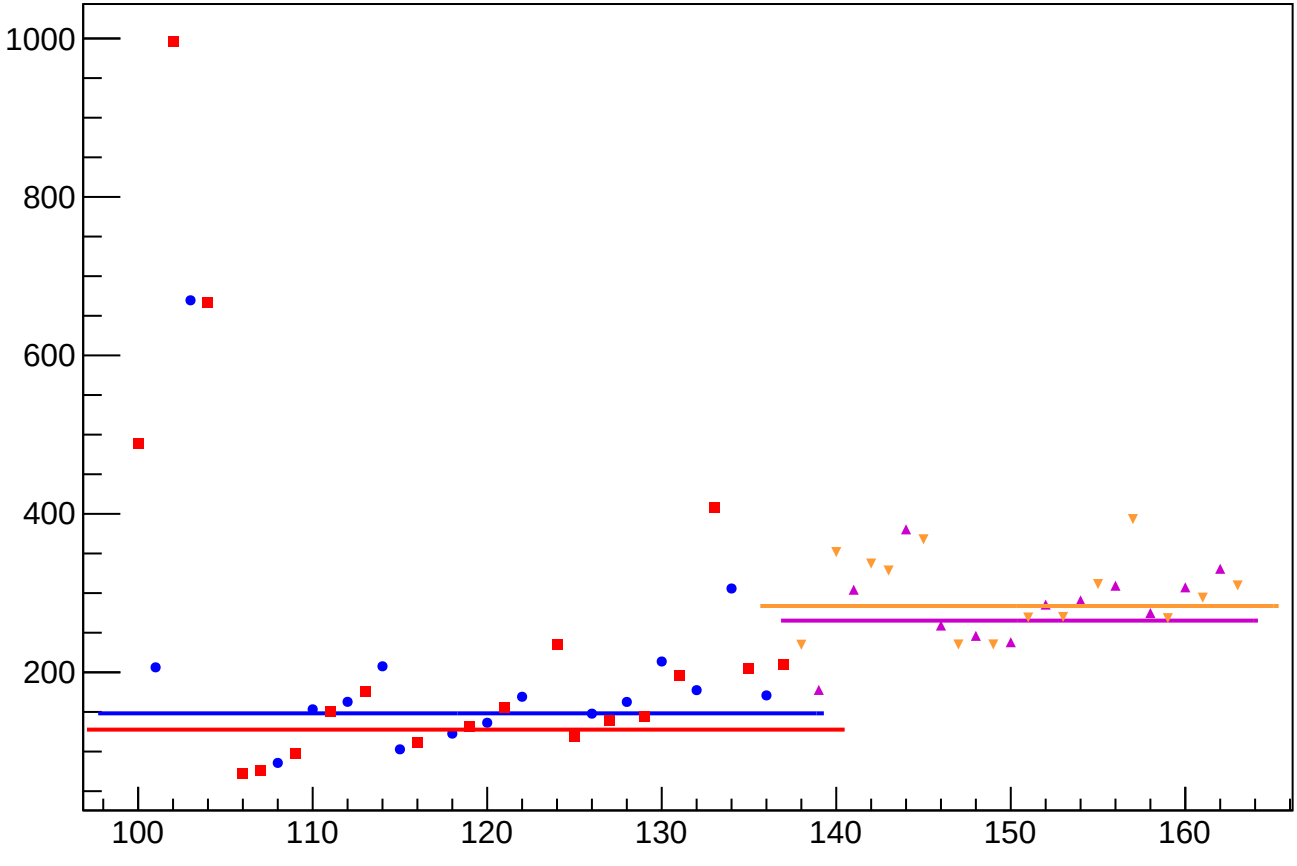
In: 187.300+/-0.035 χ^2/NDF:4991108.8/27

Out: 172.157+/-0.033 χ^2/NDF:8053659.8/32

All: 179.288+/-0.024 χ^2/NDF: 13145853.2/60


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.020+/-0.087 χ²/NDF:18.9/13
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.039+/-0.085 χ²/NDF:14.8/11
Left: 0.010+/-0.061 χ²/NDF: 33.9/25
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.044+/-0.049 χ²/NDF:23.4/27
Out: -0.051+/-0.046 χ²/NDF:41.3/32
All: -0.006+/-0.034 χ²/NDF: 66.7/60

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 283.710+/-0.061 χ^2/NDF:568257.6/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 265.271+/-0.060 χ^2/NDF:743933.5/11

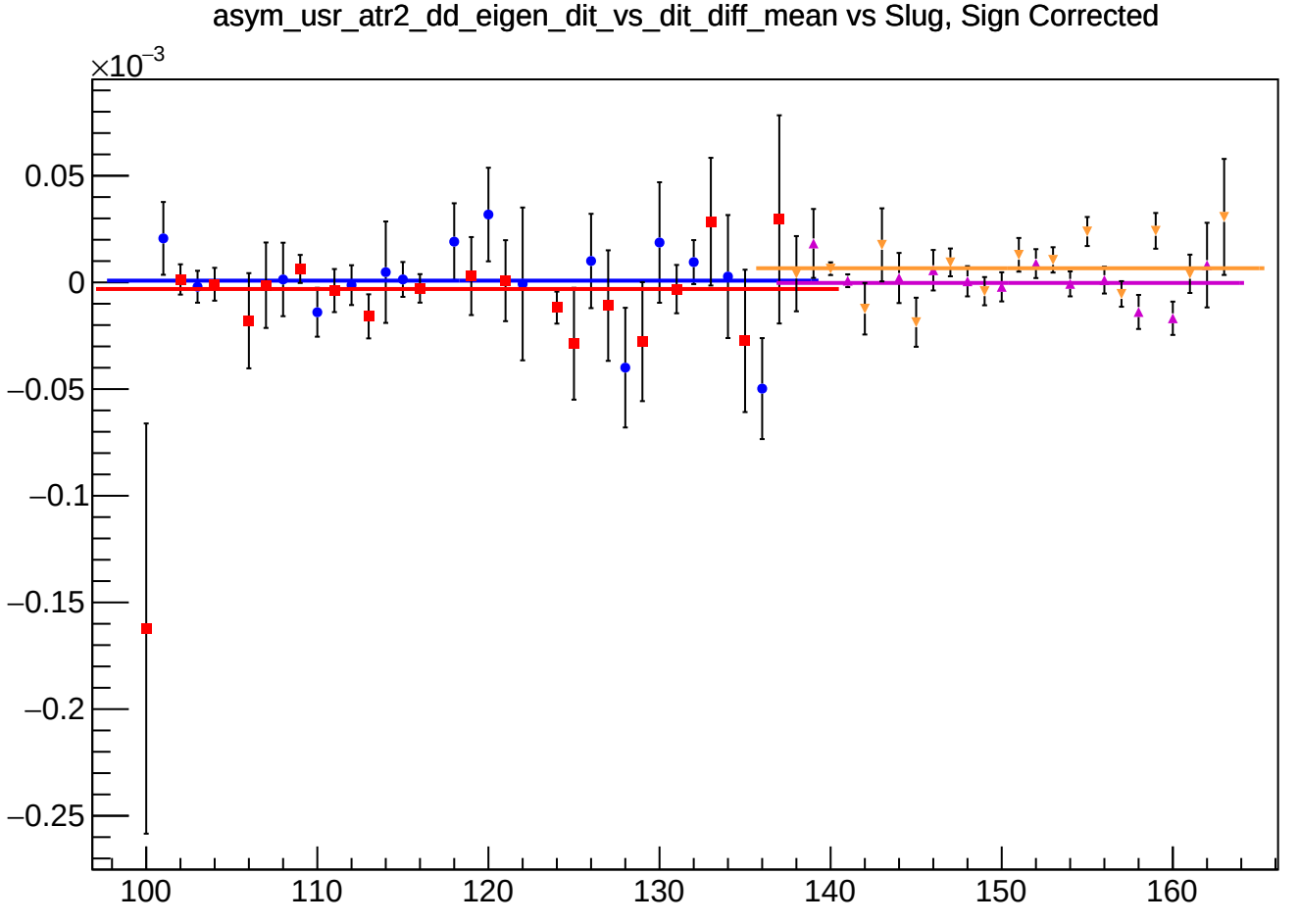
Left: 274.300+/-0.043 χ^2/NDF: 1358479.6/25

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 187.300+/-0.035 χ^2/NDF:4991108.8/27

Out: 172.157+/-0.033 χ^2/NDF:8053659.8/32

All: 179.288+/-0.024 χ^2/NDF: 13145853.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/11

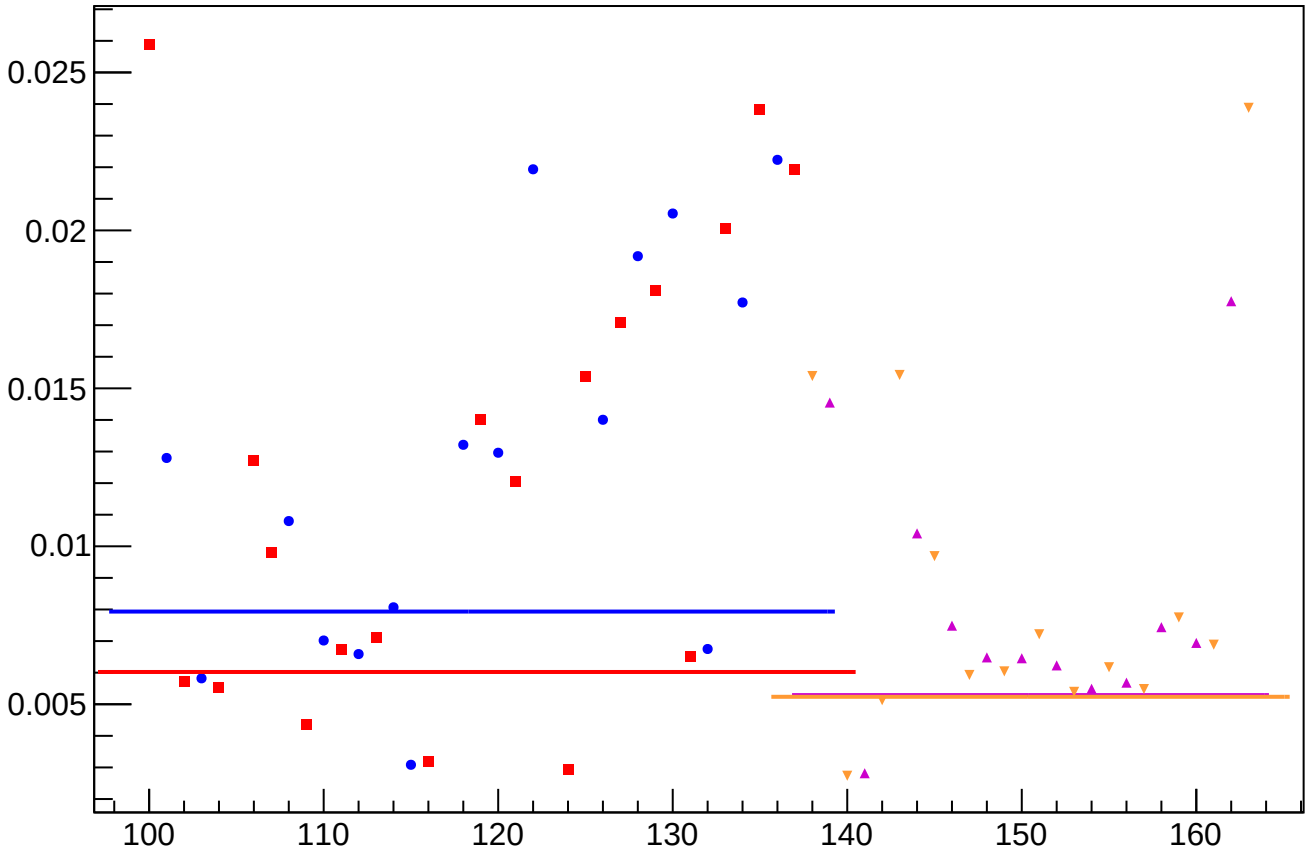
Left: 0.000+/-0.000 χ^2/NDF: 45.6/25

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/27

Out: 0.000+/-0.000 χ^2/NDF:49.2/32

All: 0.000+/-0.000 χ^2/NDF: 77.4/60



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:4477295.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:3690692.0/11

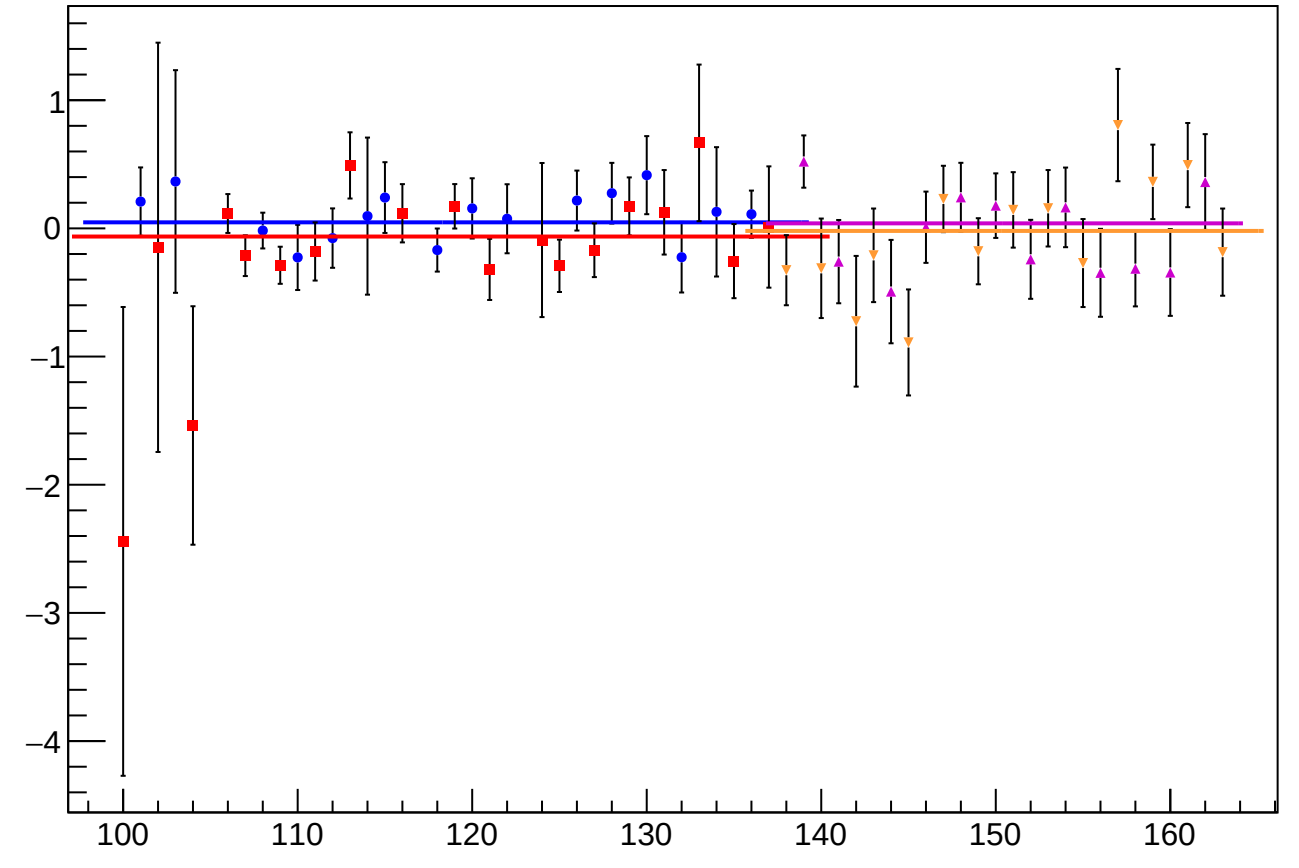
Left: 0.005+/-0.000 χ^2/NDF: 8168822.7/25

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:8171742.5/27

Out: 0.005+/-0.000 χ^2/NDF:8607185.3/32

All: 0.006+/-0.000 χ^2/NDF: 16842689.5/60



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.039+/-0.085 χ^2/NDF:14.8/11

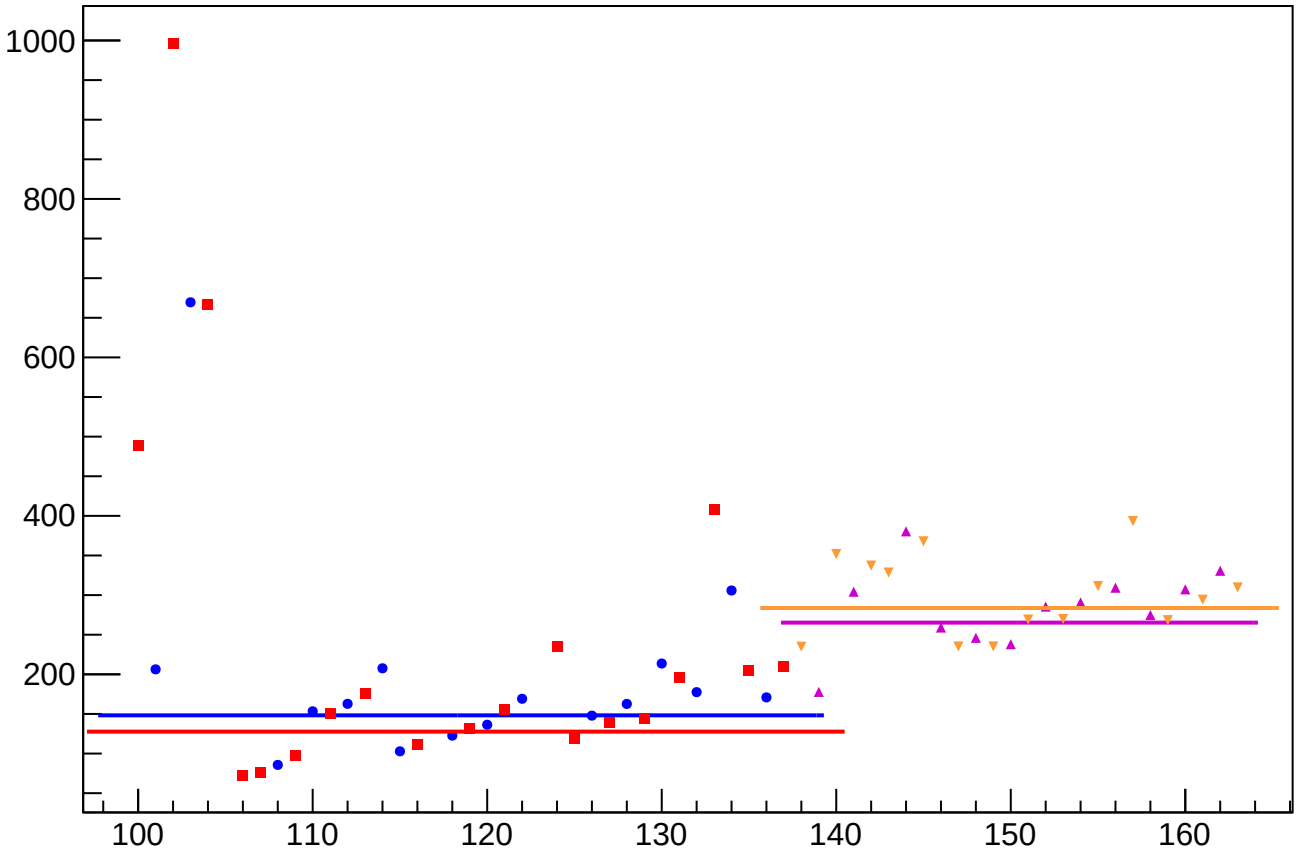
Left: 0.010+/-0.061 χ^2/NDF: 33.9/25

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.044+/-0.049 χ^2/NDF:23.4/27

Out: -0.051+/-0.046 χ^2/NDF:41.3/32

All: -0.006+/-0.034 χ^2/NDF: 66.7/60



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 283.714+/-0.061 χ^2/NDF:568231.1/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 265.275+/-0.060 χ^2/NDF:743899.6/11

Left: 274.304+/-0.043 χ^2/NDF: 1358422.1/25

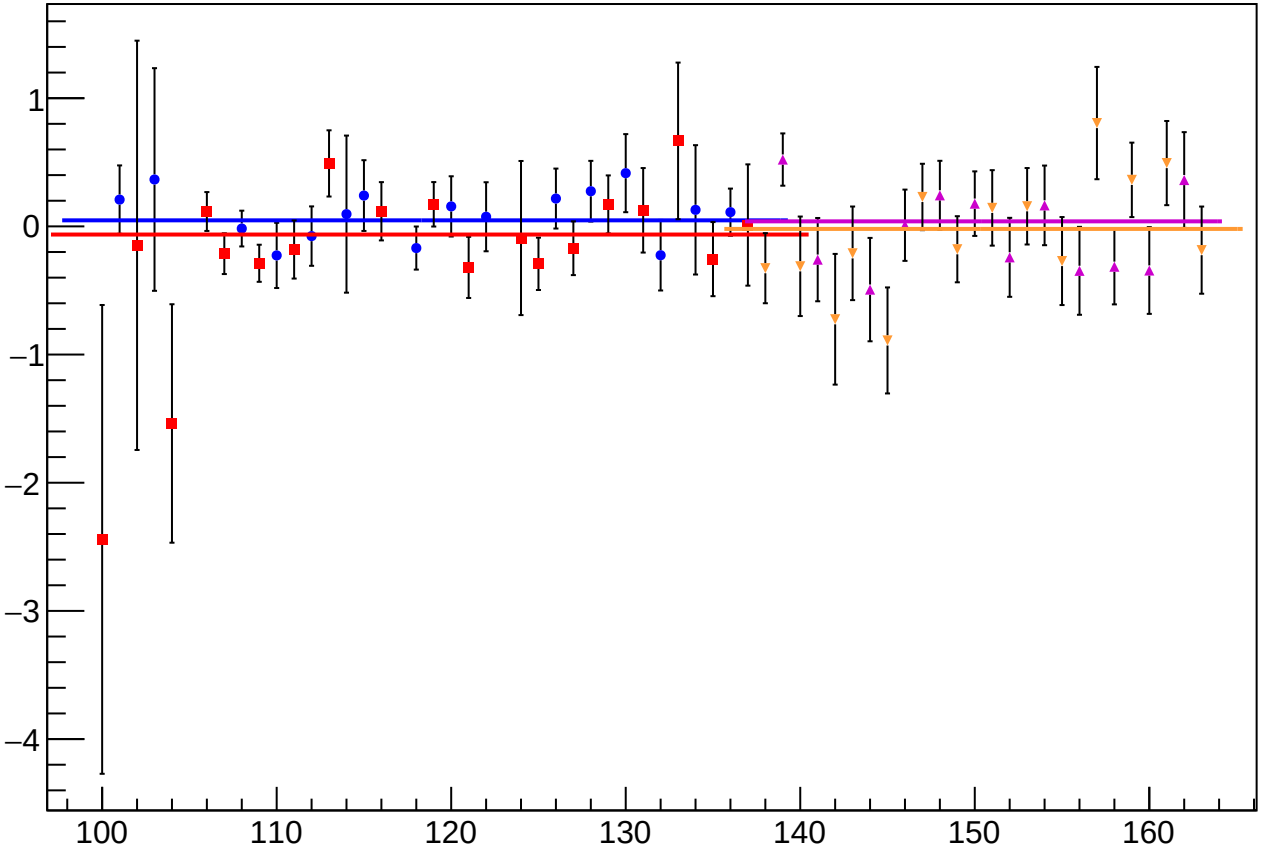
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 187.299+/-0.035 χ^2/NDF:4991380.9/27

Out: 172.157+/-0.033 χ^2/NDF:8053768.5/32

All: 179.287+/-0.024 χ^2/NDF: 13146205.2/60

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: -0.020+/-0.087 χ^2/NDF:18.9/13

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.039+/-0.085 χ^2/NDF:14.8/11

Left: 0.010+/-0.061 χ^2/NDF: 33.9/25

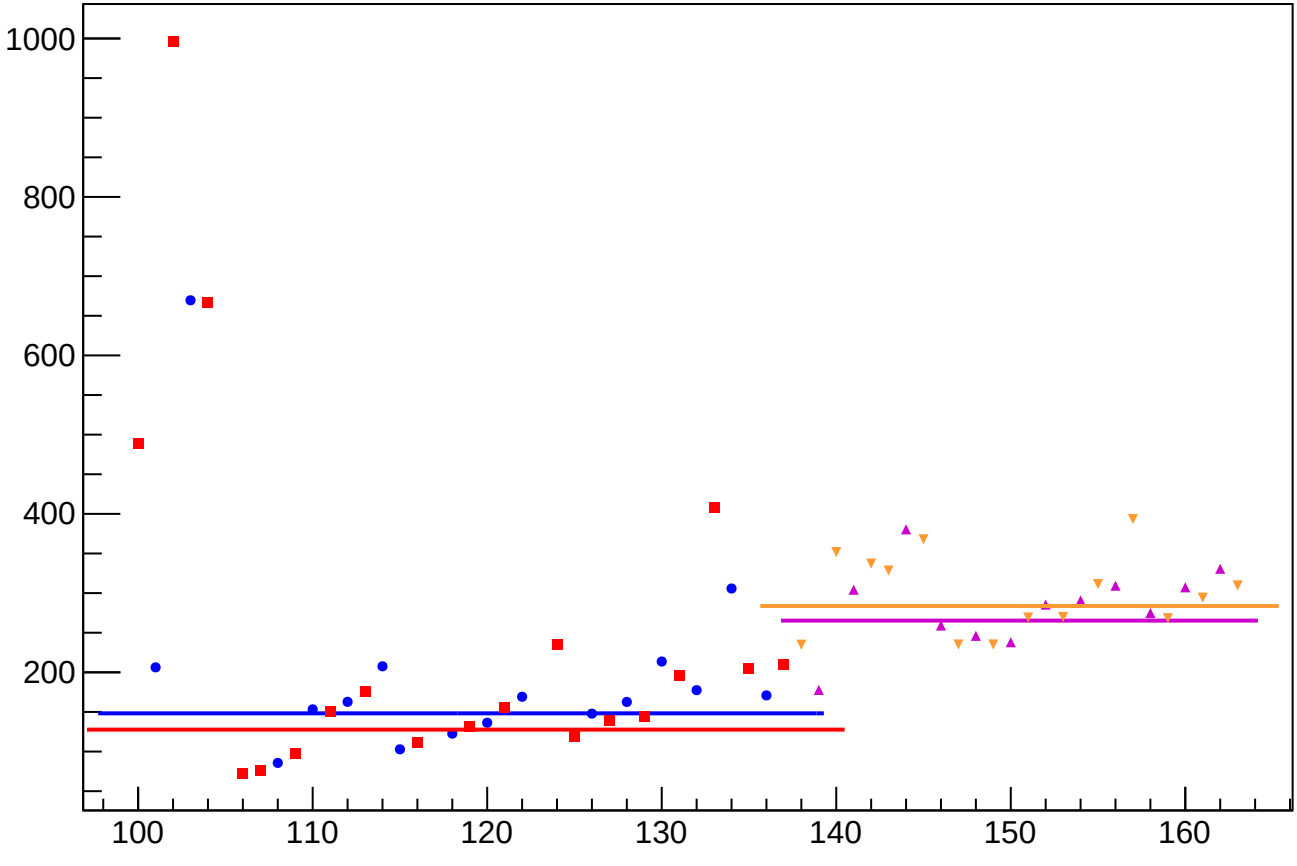
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.044+/-0.049 χ^2/NDF:23.4/27

Out: -0.051+/-0.046 χ^2/NDF:41.3/32

All: -0.006+/-0.034 χ^2/NDF: 66.7/60

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: 283.714+/-0.061 χ^2/NDF:568231.1/13

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 265.275+/-0.060 χ^2/NDF:743899.6/11

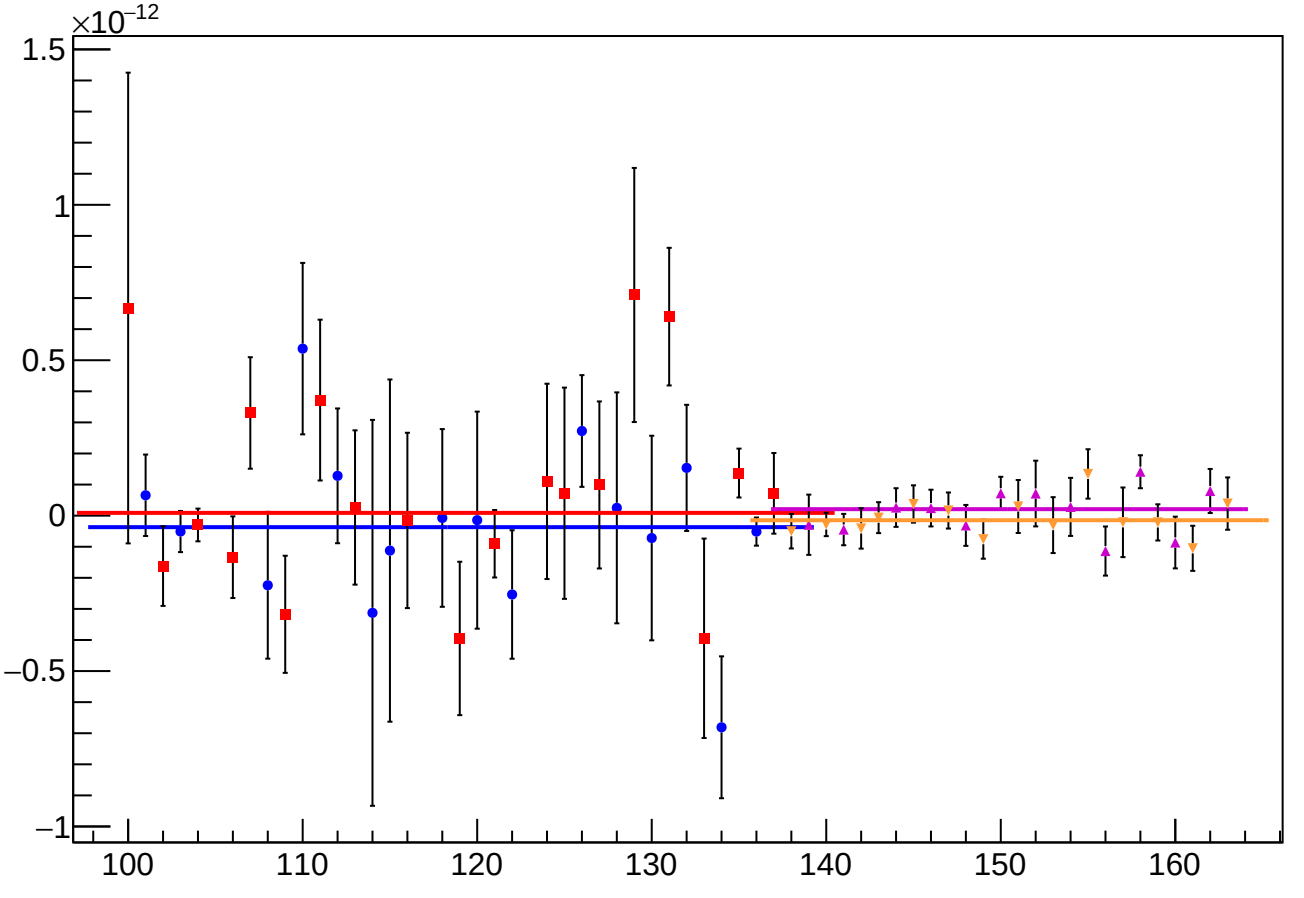
Left: 274.304+/-0.043 χ^2/NDF: 1358422.1/25

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 187.299+/-0.035 χ^2/NDF:4991380.9/27

Out: 172.157+/-0.033 χ^2/NDF:8053768.5/32

All: 179.287+/-0.024 χ^2/NDF: 13146205.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/11

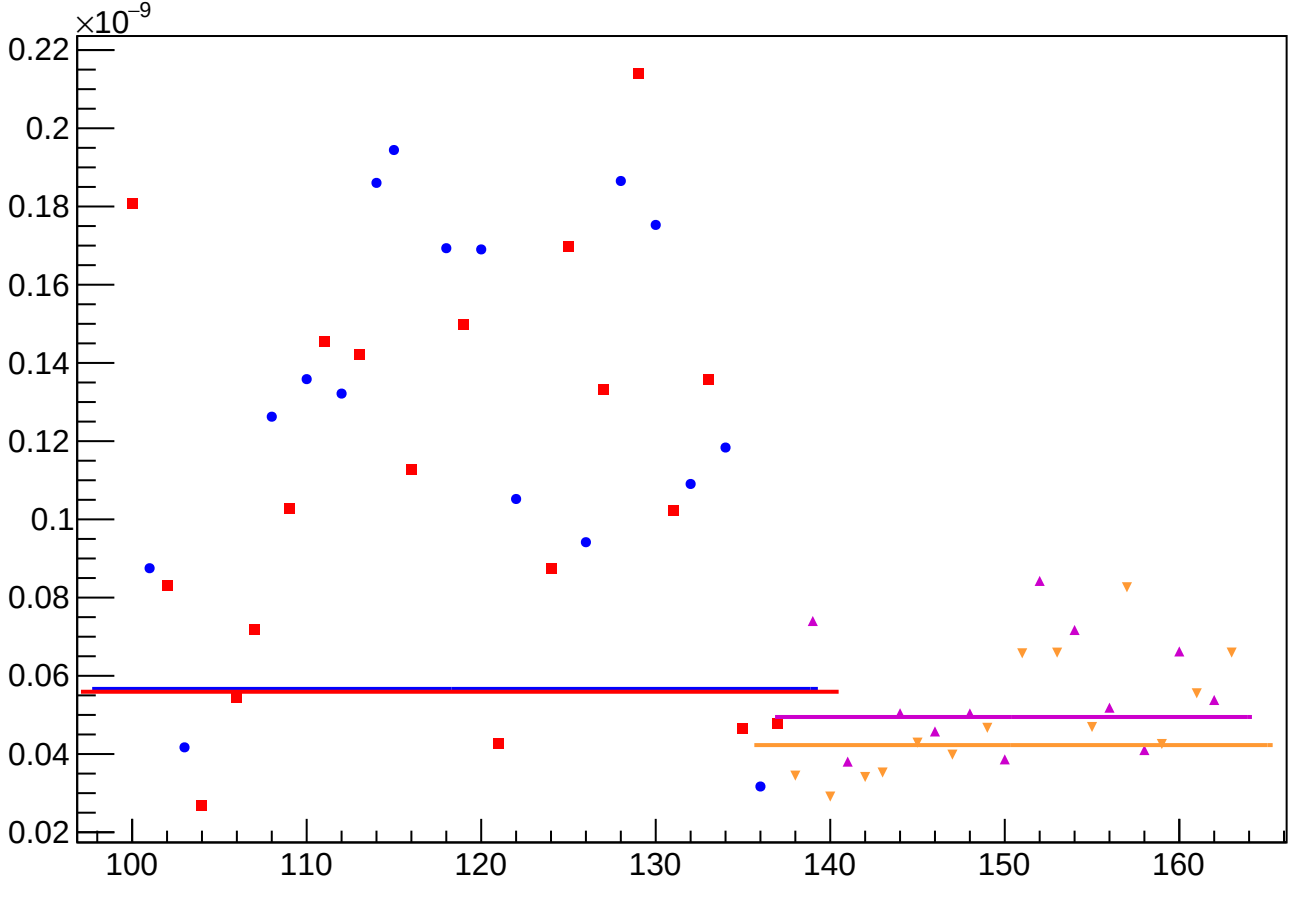
Left: 0.000+/-0.000 χ^2/NDF: 24.6/25

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:36.0/27

Out: -0.000+/-0.000 χ^2/NDF:40.7/32

All: -0.000+/-0.000 χ^2/NDF: 77.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1150240.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:794260.4/11

Left: 0.000+/-0.000 χ^2/NDF: 2104234.1/25

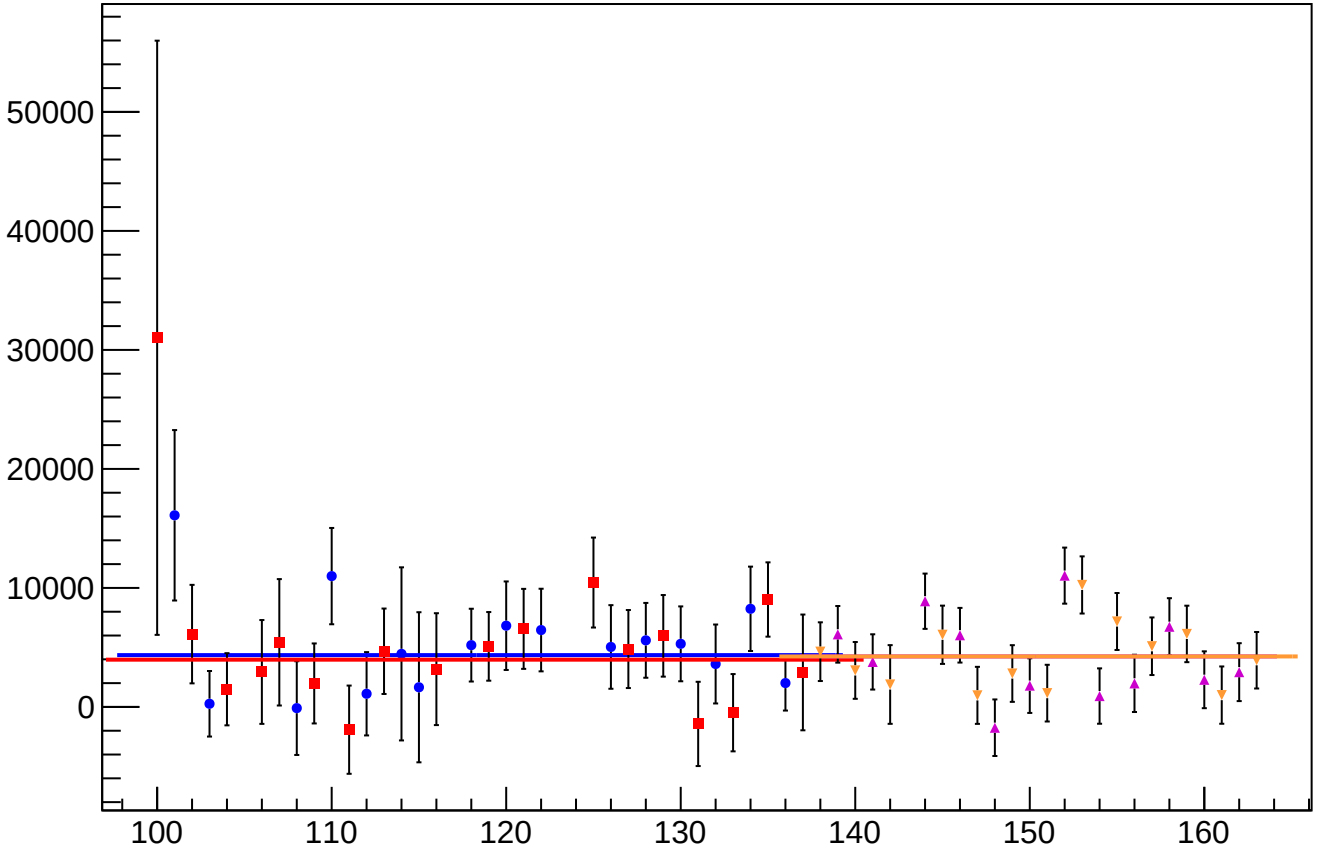
Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3980768.3/27

Out: 0.000+/-0.000 χ^2/NDF:4169284.3/32

All: 0.000+/-0.000 χ^2/NDF: 8306370.7/60

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.340+/-678.694 χ^2/NDF:15.6/12

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4243.402+/-680.459 χ^2/NDF:26.0/11

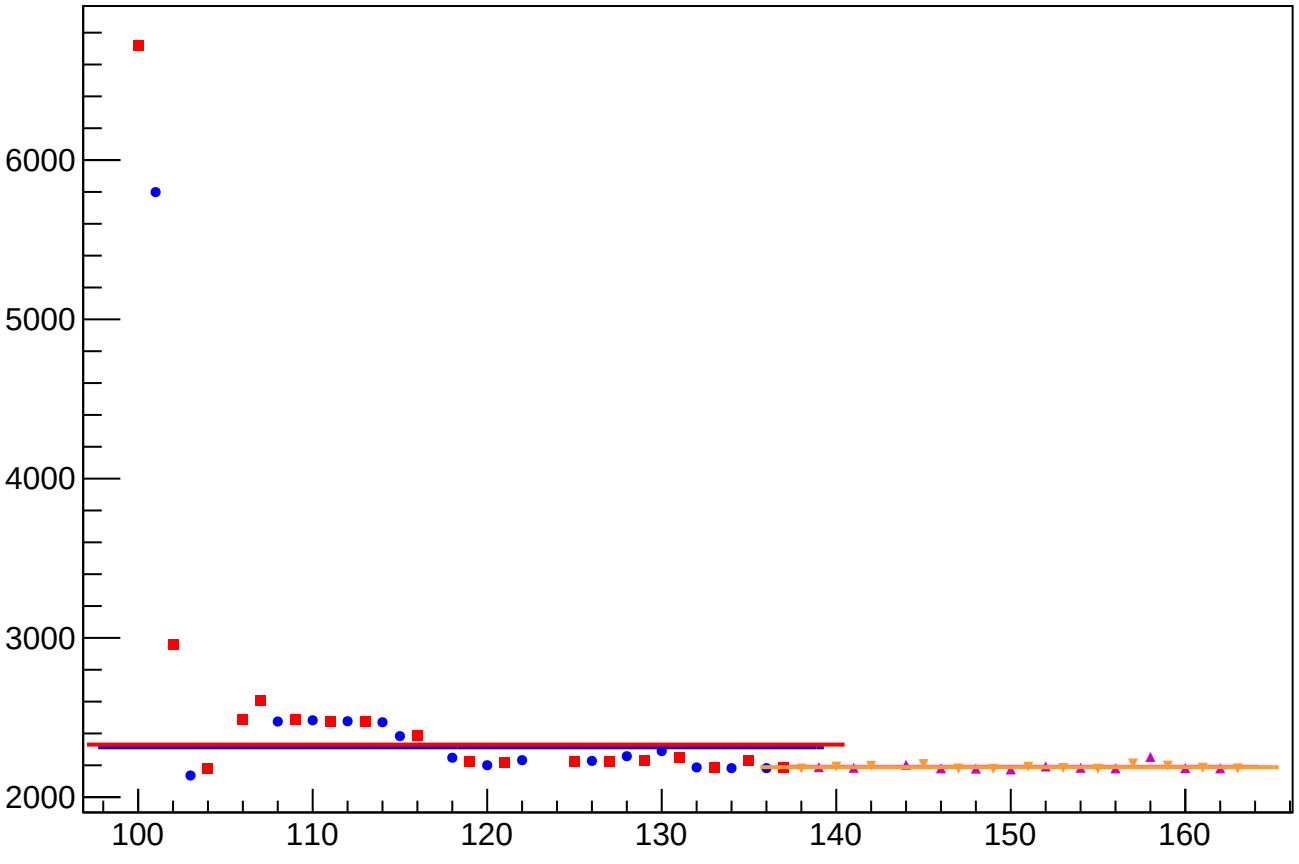
Left: 4243.371+/-480.532 χ^2/NDF: 41.6/24

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4285.204+/-537.186 χ^2/NDF:39.4/27

Out: 4140.754+/-535.427 χ^2/NDF:31.8/30

All: 4212.742+/-379.225 χ^2/NDF: 71.3/58



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2190.469+/-0.481 χ^2/NDF:1692.7/11

Left: 2189.530+/-0.340 χ^2/NDF: 2218.3/24

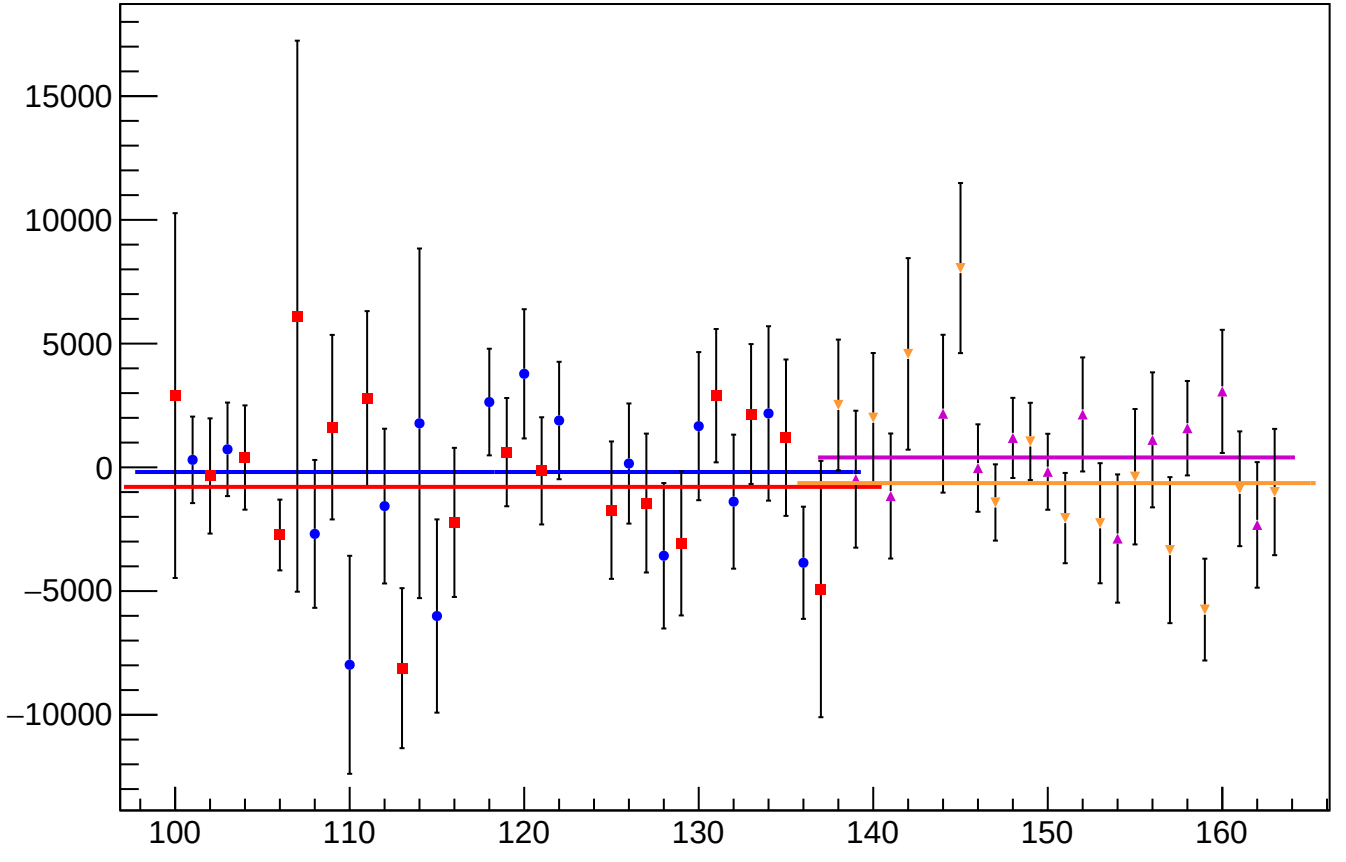
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2236.791+/-0.380 χ^2/NDF:538663.6/27

Out: 2242.070+/-0.379 χ^2/NDF:184605.8/30

All: 2239.439+/-0.268 χ^2/NDF: 723366.3/58

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: -635.477+/-624.091 χ^2/NDF:20.2/12

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 400.060+/-623.197 χ^2/NDF:6.2/11

Left: -116.966+/-440.983 χ^2/NDF: 27.7/24

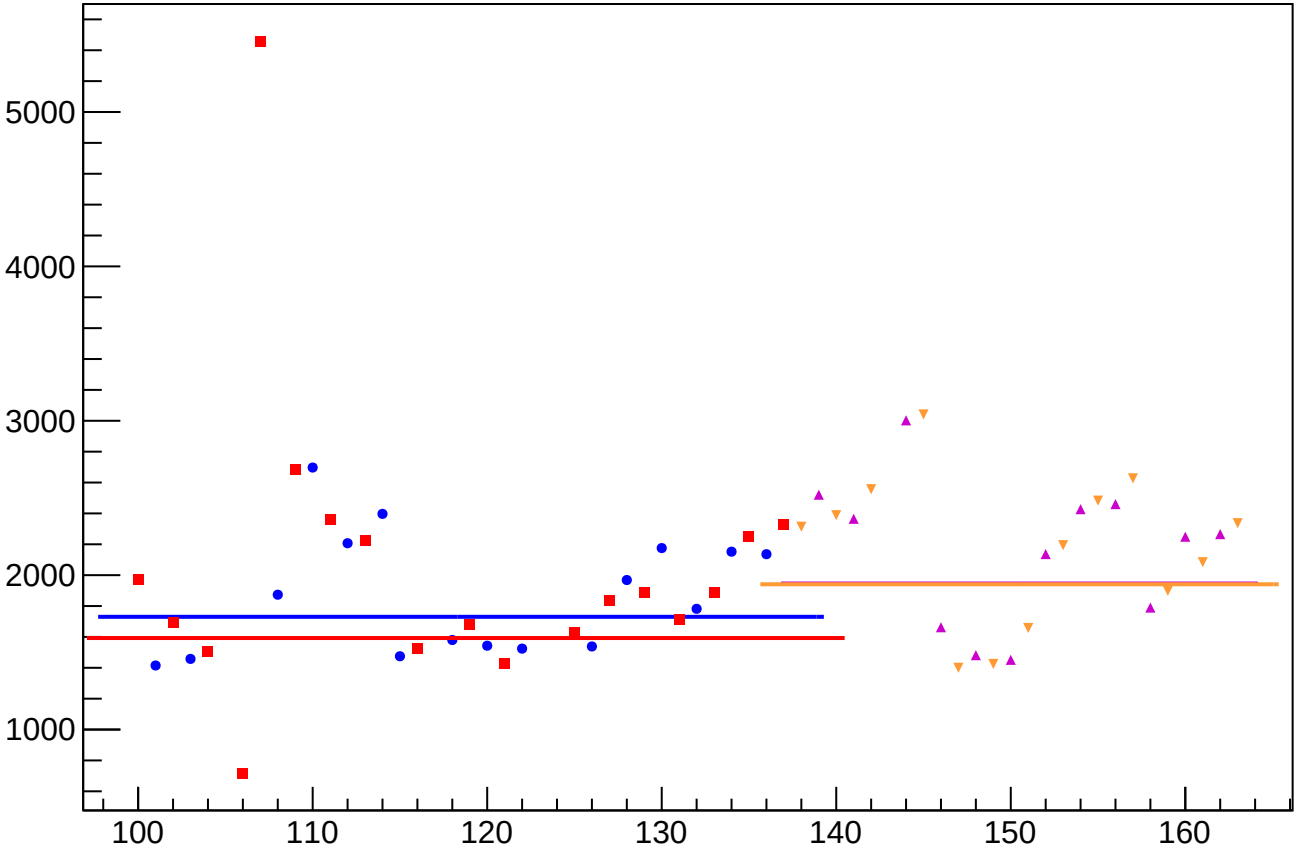
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 121.830+/-452.579 χ^2/NDF:23.0/27

Out: -711.076+/-445.071 χ^2/NDF:35.1/30

All: -301.589+/-317.334 χ^2/NDF: 59.9/58

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: 1941.058+/-0.441 χ^2/NDF:1132239.7/12

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1945.943+/-0.441 χ^2/NDF:1012846.0/11

Left: 1943.504+/-0.312 χ^2/NDF: 2145147.1/24

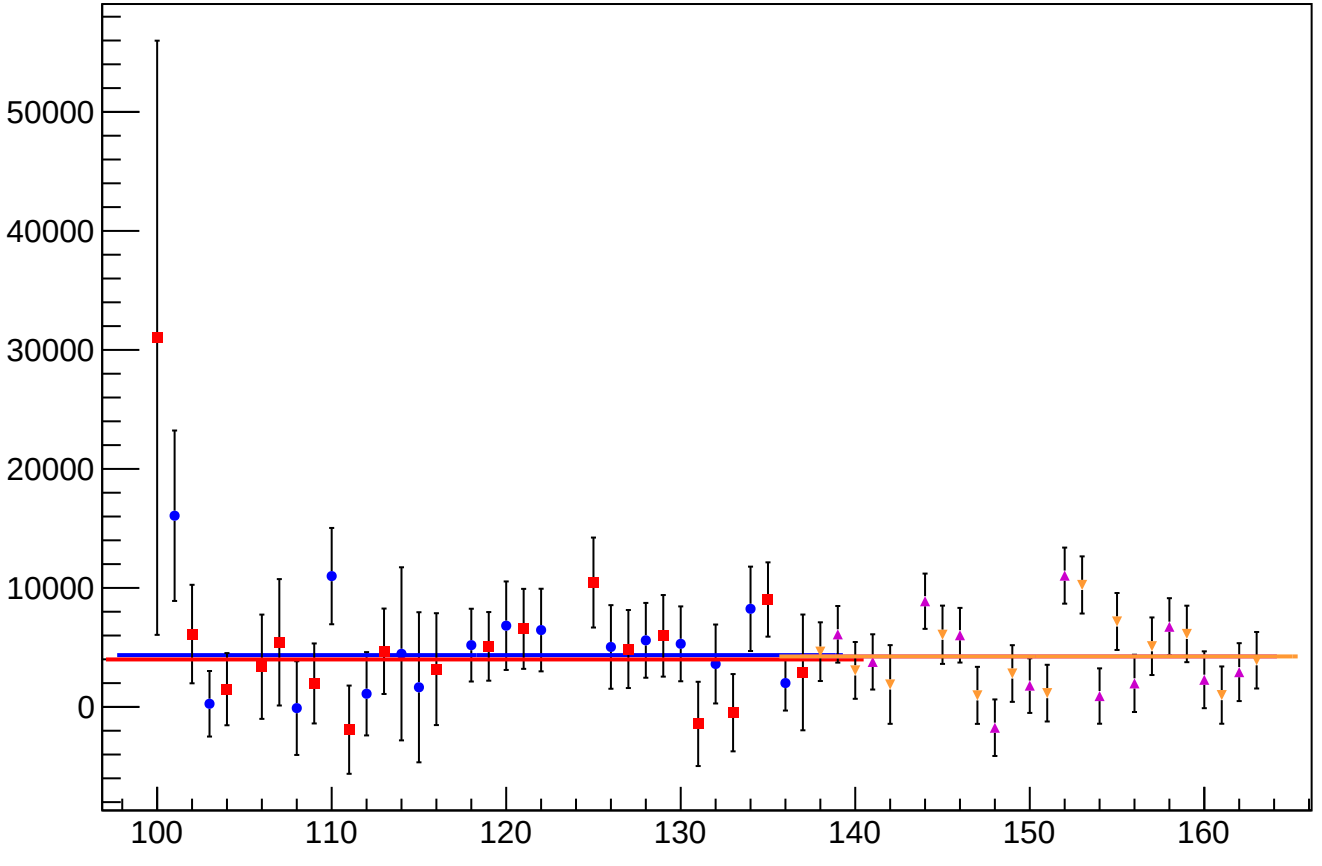
Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1844.024+/-0.320 χ^2/NDF:1604965.3/27

Out: 1769.930+/-0.315 χ^2/NDF:2994446.5/30

All: 1806.358+/-0.224 χ^2/NDF: 4626662.3/58

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4243.578+/-680.459 χ^2/NDF:26.0/11

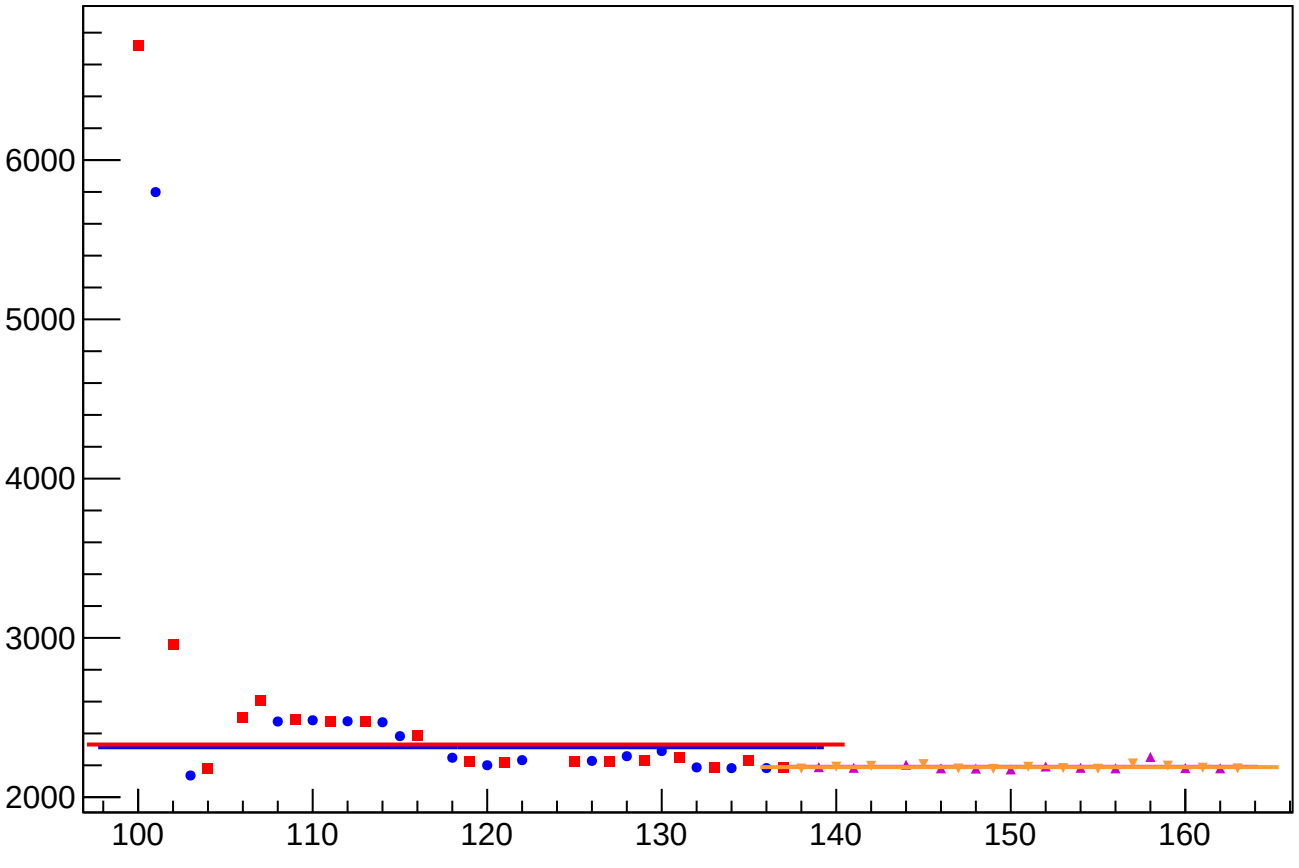
Left: 4243.412+/-480.532 χ^2/NDF: 41.6/24

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4285.058+/-537.186 χ^2/NDF:39.4/27

Out: 4147.591+/-535.462 χ^2/NDF:31.8/30

All: 4216.104+/-379.237 χ^2/NDF: 71.2/58



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.469+/-0.481 χ^2/NDF:1692.7/11

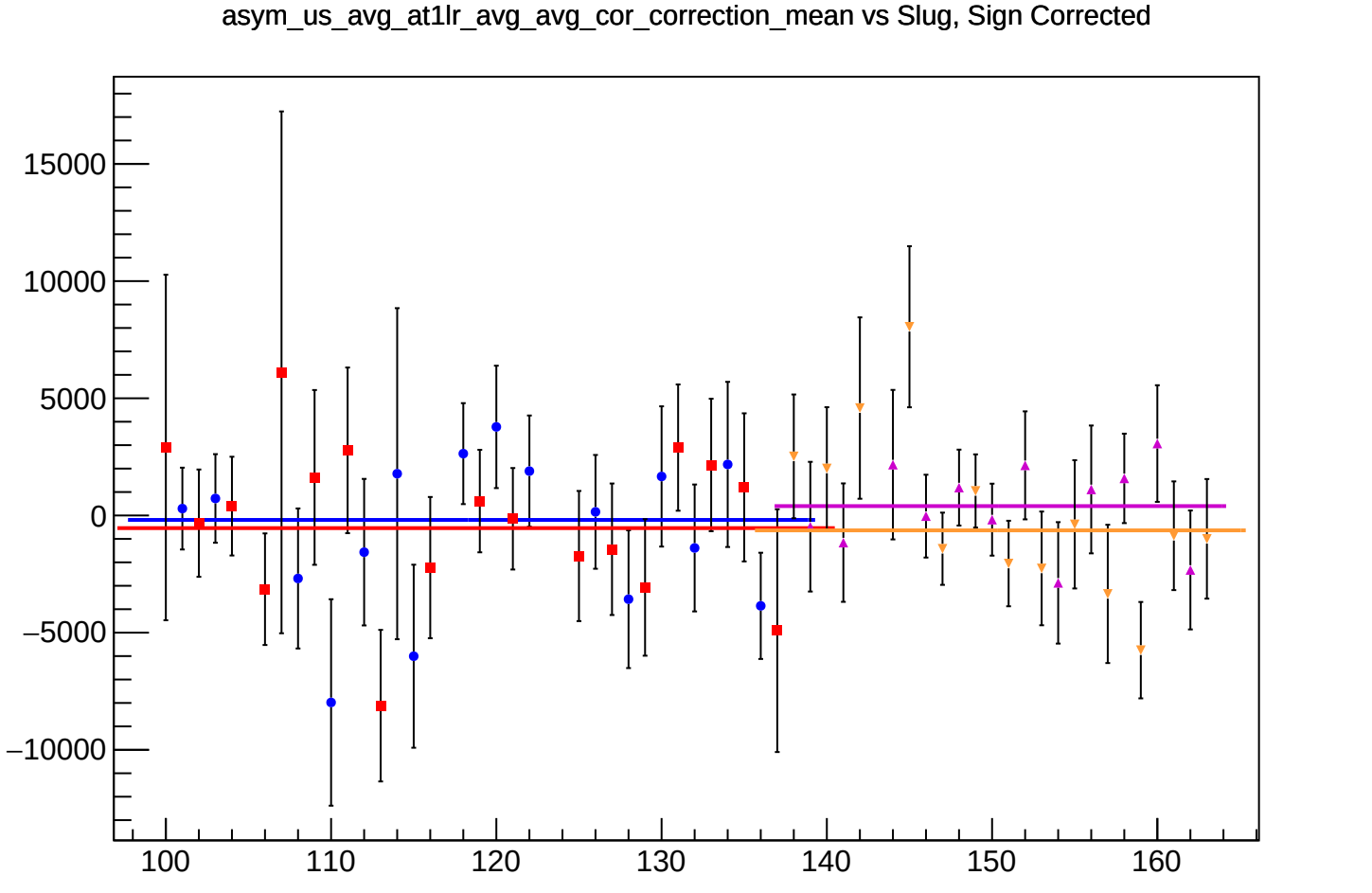
Left: 2189.530+/-0.340 χ^2/NDF: 2218.3/24

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

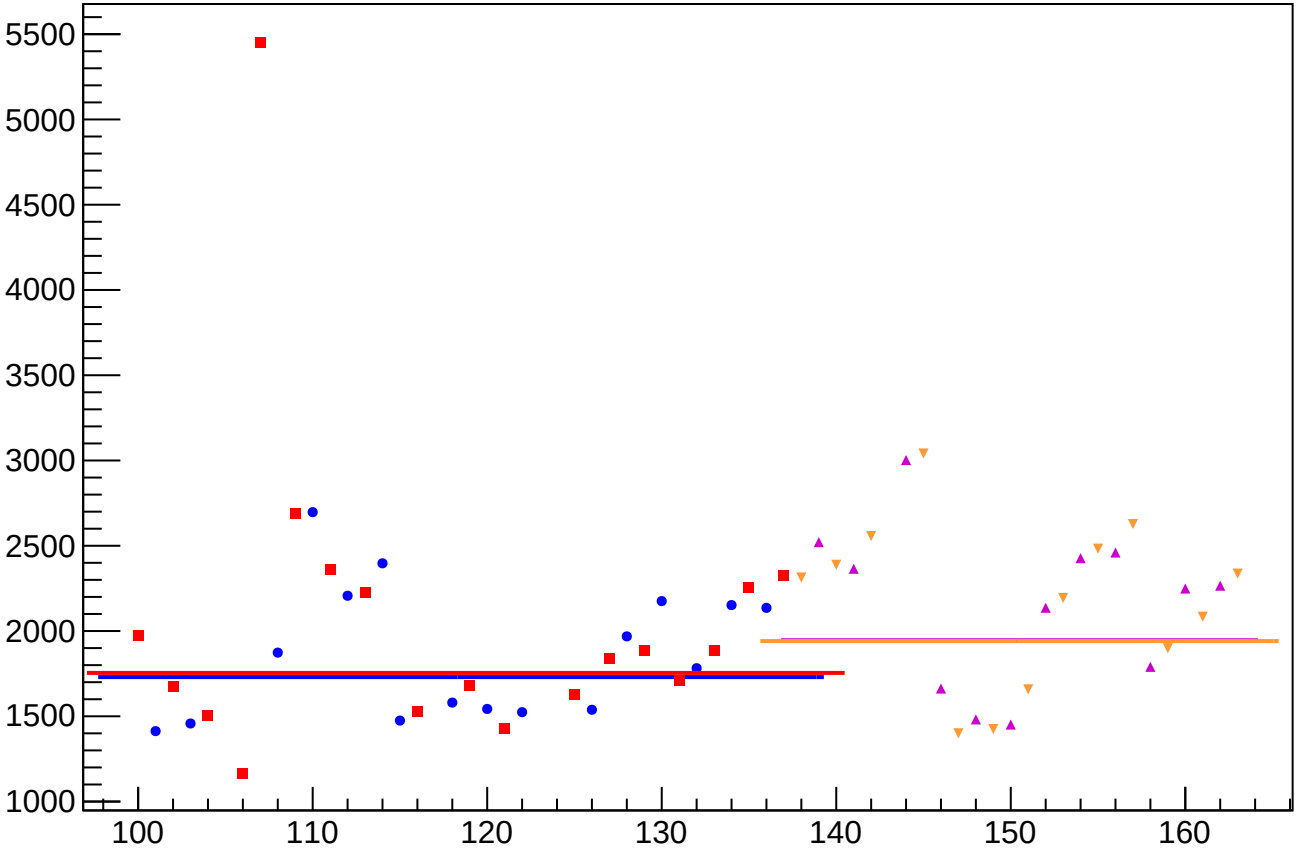
In: 2236.791+/-0.380 χ^2/NDF:538664.0/27

Out: 2242.198+/-0.379 χ^2/NDF:185116.5/30

All: 2239.503+/-0.268 χ^2/NDF: 723882.2/58


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -635.648+/-624.092 χ²/NDF:20.2/12
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 400.195+/-623.198 χ²/NDF:6.2/11
Left: -116.984+/-440.984 χ²/NDF: 27.7/24
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 121.321+/-452.538 χ²/NDF:23.0/27
Out: -591.570+/-459.243 χ²/NDF:34.1/30
All: -229.882+/-322.337 χ²/NDF: 58.3/58

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1945.947+/-0.441 χ^2/NDF:1012865.3/11

Left: 1943.508+/-0.312 χ^2/NDF: 2145207.8/24

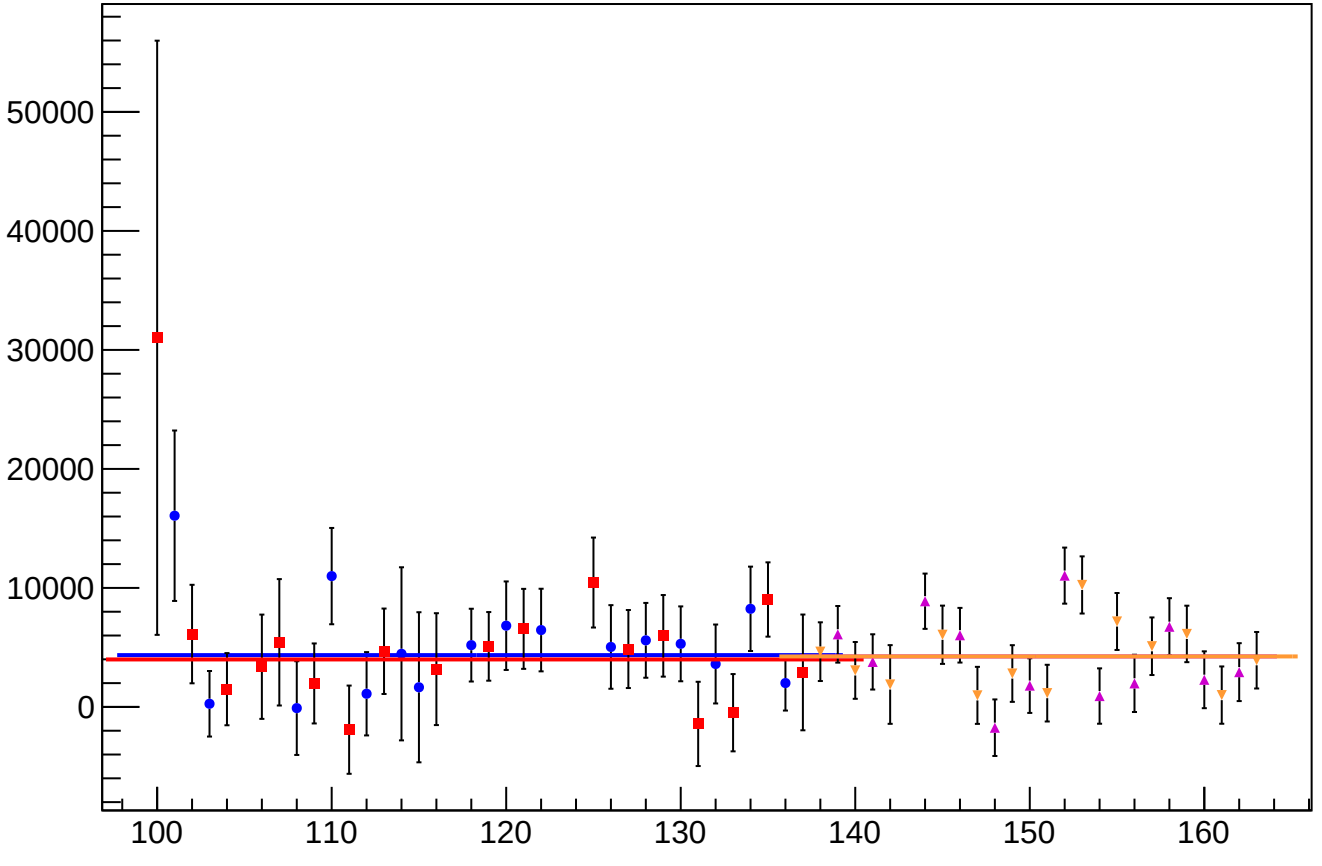
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1843.821+/-0.320 χ^2/NDF:1606387.5/27

Out: 1855.532+/-0.325 χ^2/NDF:1965213.2/30

All: 1849.590+/-0.228 χ^2/NDF: 3572260.6/58

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 4243.246+/-678.694 χ^2/NDF:15.6/12

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4243.578+/-680.459 χ^2/NDF:26.0/11

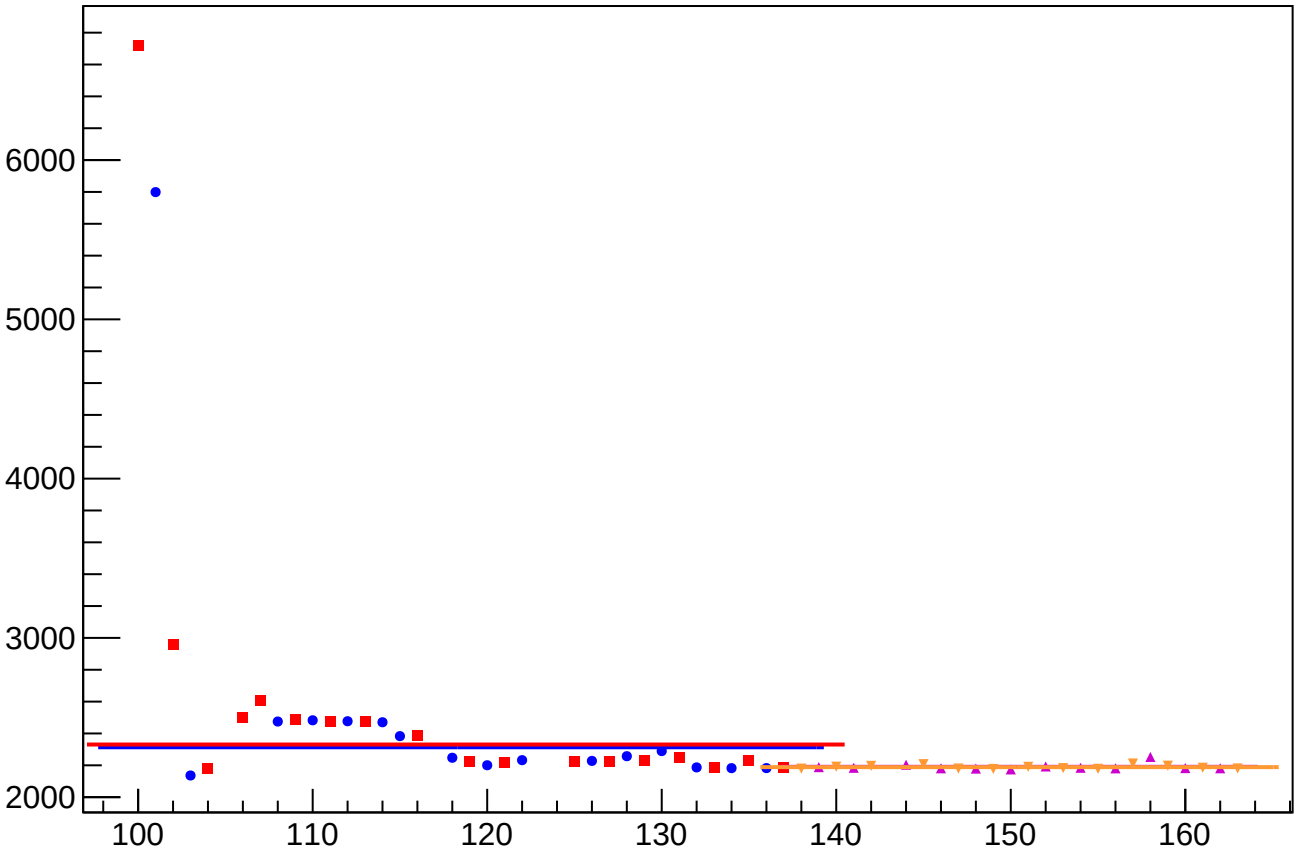
Left: 4243.412+/-480.532 χ^2/NDF: 41.6/24

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4285.058+/-537.186 χ^2/NDF:39.4/27

Out: 4147.591+/-535.462 χ^2/NDF:31.8/30

All: 4216.104+/-379.237 χ^2/NDF: 71.2/58



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2188.596+/-0.480 χ^2/NDF:518.1/12

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2190.469+/-0.481 χ^2/NDF:1692.7/11

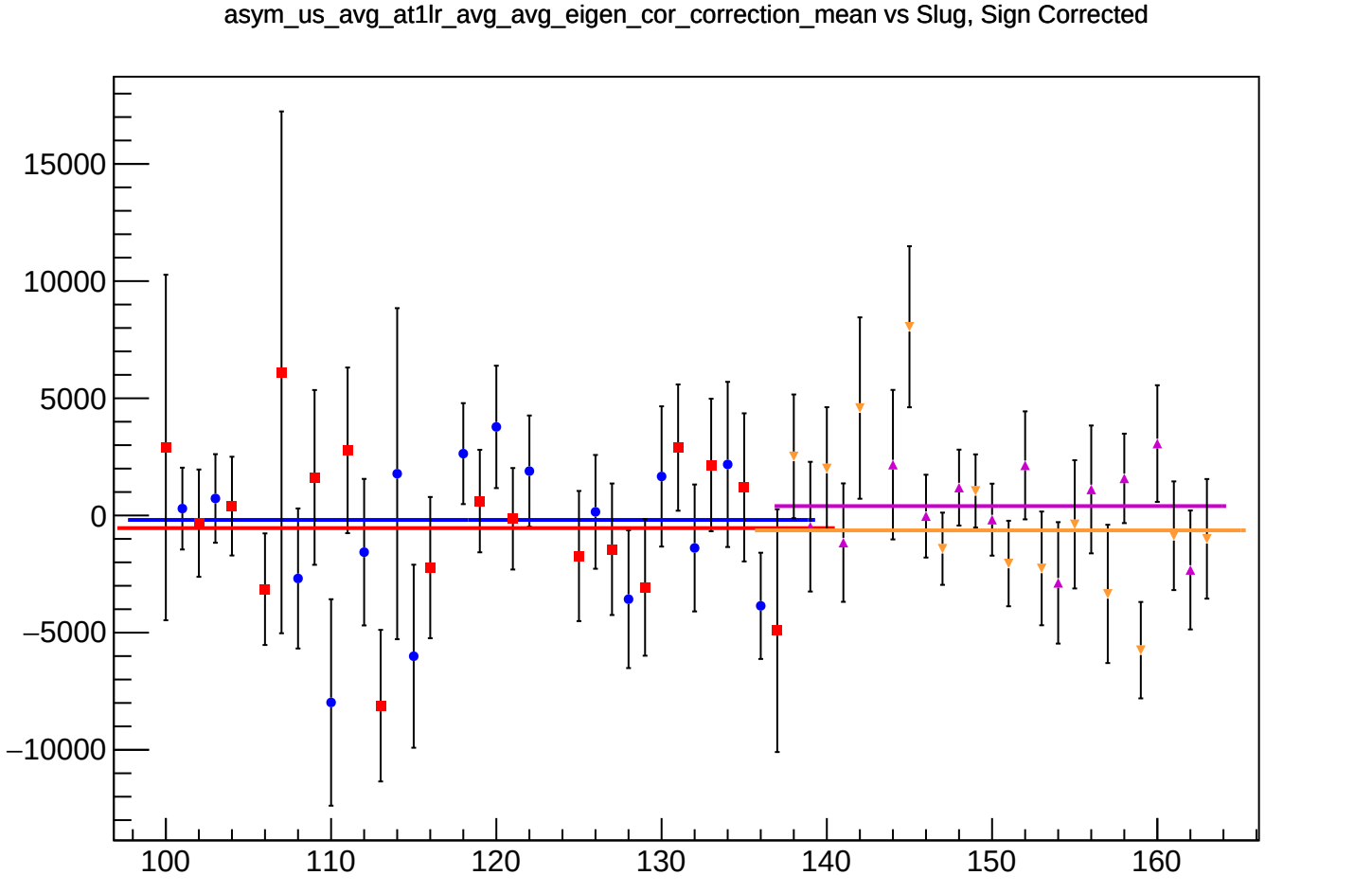
Left: 2189.530+/-0.340 χ^2/NDF: 2218.3/24

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

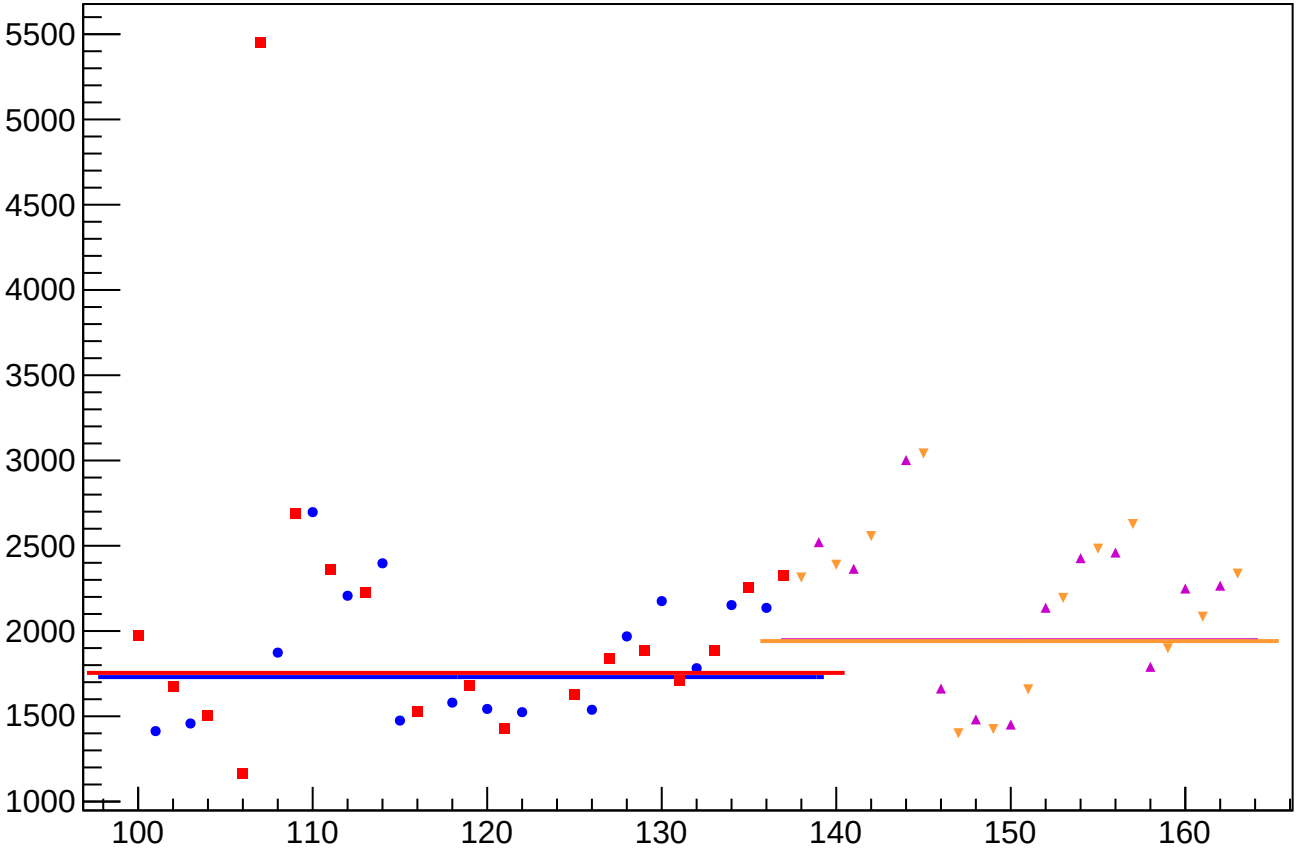
In: 2236.791+/-0.380 χ^2/NDF:538664.0/27

Out: 2242.198+/-0.379 χ^2/NDF:185116.5/30

All: 2239.503+/-0.268 χ^2/NDF: 723882.2/58


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -635.648+/-624.092 χ²/NDF:20.2/12
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 400.195+/-623.198 χ²/NDF:6.2/11
Left: -116.984+/-440.984 χ²/NDF: 27.7/24
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 121.321+/-452.538 χ²/NDF:23.0/27
Out: -591.570+/-459.243 χ²/NDF:34.1/30
All: -229.882+/-322.337 χ²/NDF: 58.3/58

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: 1941.061+/-0.441 χ^2/NDF:1132281.0/12

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1945.947+/-0.441 χ^2/NDF:1012865.3/11

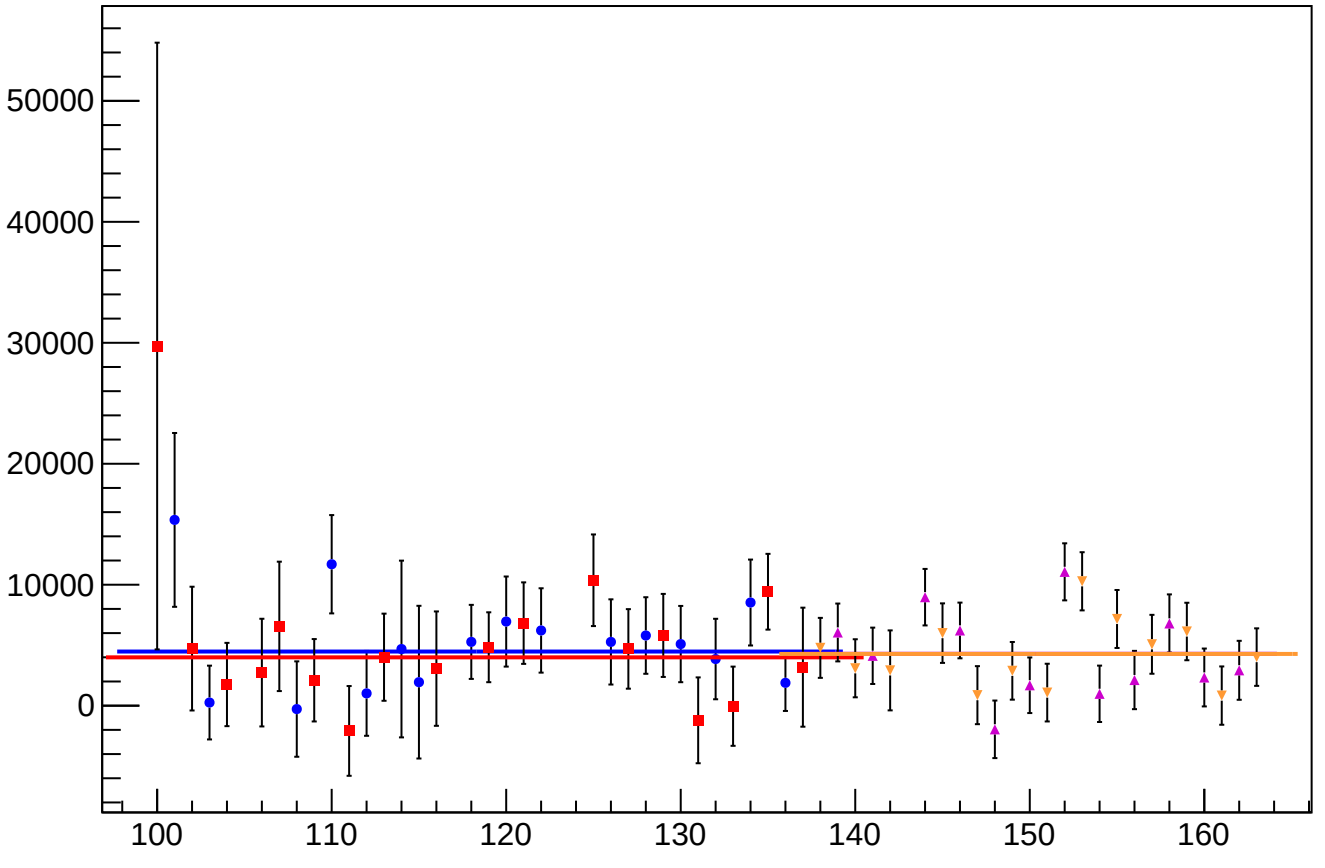
Left: 1943.508+/-0.312 χ^2/NDF: 2145207.8/24

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1843.821+/-0.320 χ^2/NDF:1606387.5/27

Out: 1855.532+/-0.325 χ^2/NDF:1965213.2/30

All: 1849.590+/-0.228 χ^2/NDF: 3572260.6/58



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4278.525+/-680.365 χ^2/NDF:15.6/12

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4290.833+/-682.028 χ^2/NDF:26.6/11

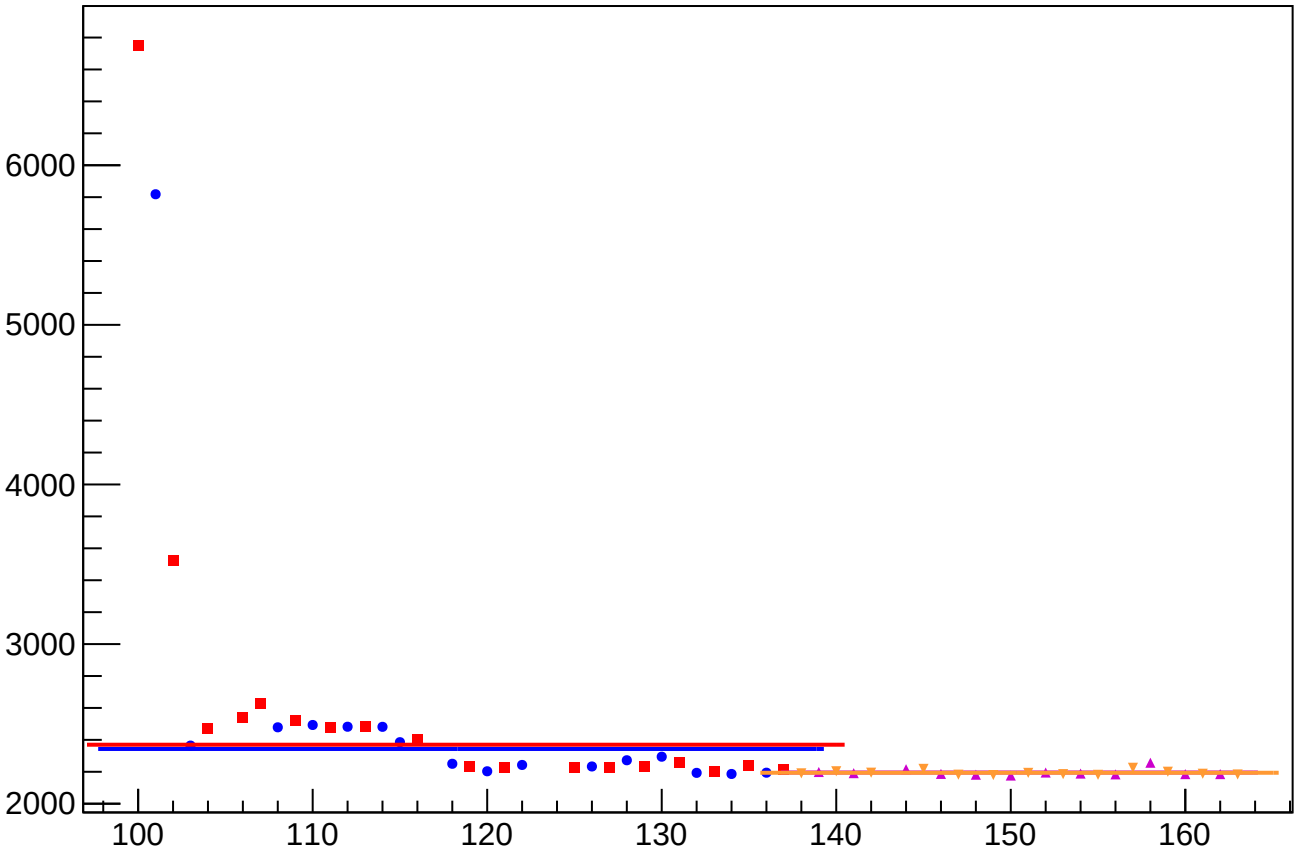
Left: 4284.664+/-481.678 χ^2/NDF: 42.2/24

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4359.882+/-540.467 χ^2/NDF:40.2/27

Out: 4174.312+/-540.618 χ^2/NDF:31.1/30

All: 4267.123+/-382.221 χ^2/NDF: 71.3/58



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.881+/-0.481 χ^2/NDF:835.3/12

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2195.445+/-0.482 χ^2/NDF:1833.2/11

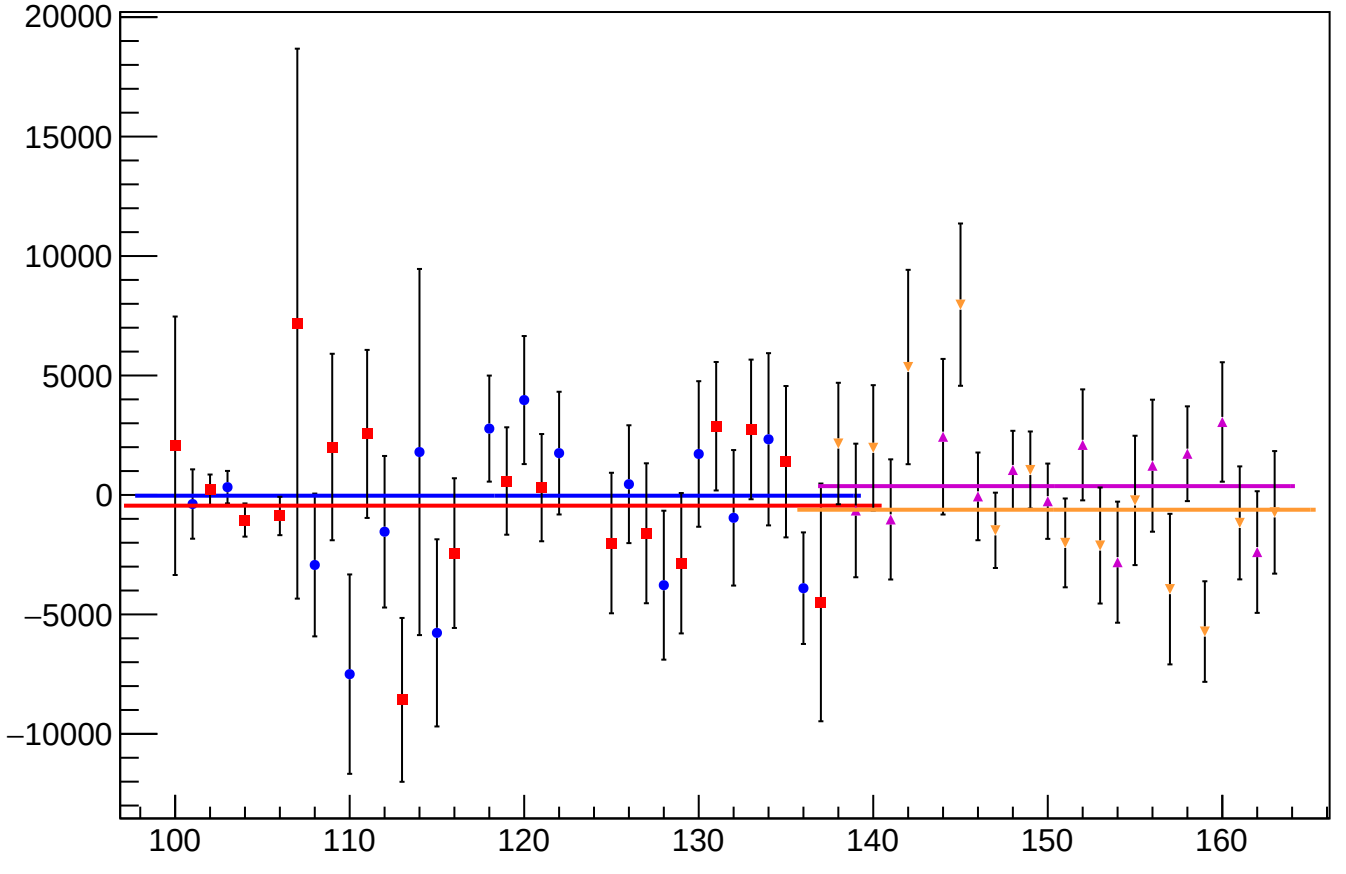
Left: 2194.661+/-0.341 χ^2/NDF: 2673.7/24

Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2250.309+/-0.382 χ^2/NDF:539486.3/27

Out: 2258.643+/-0.382 χ^2/NDF:260143.7/30

All: 2254.475+/-0.270 χ^2/NDF: 799867.7/58



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -618.658+/-634.150 χ^2/NDF:20.1/12

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 369.236+/-633.343 χ^2/NDF:6.3/11

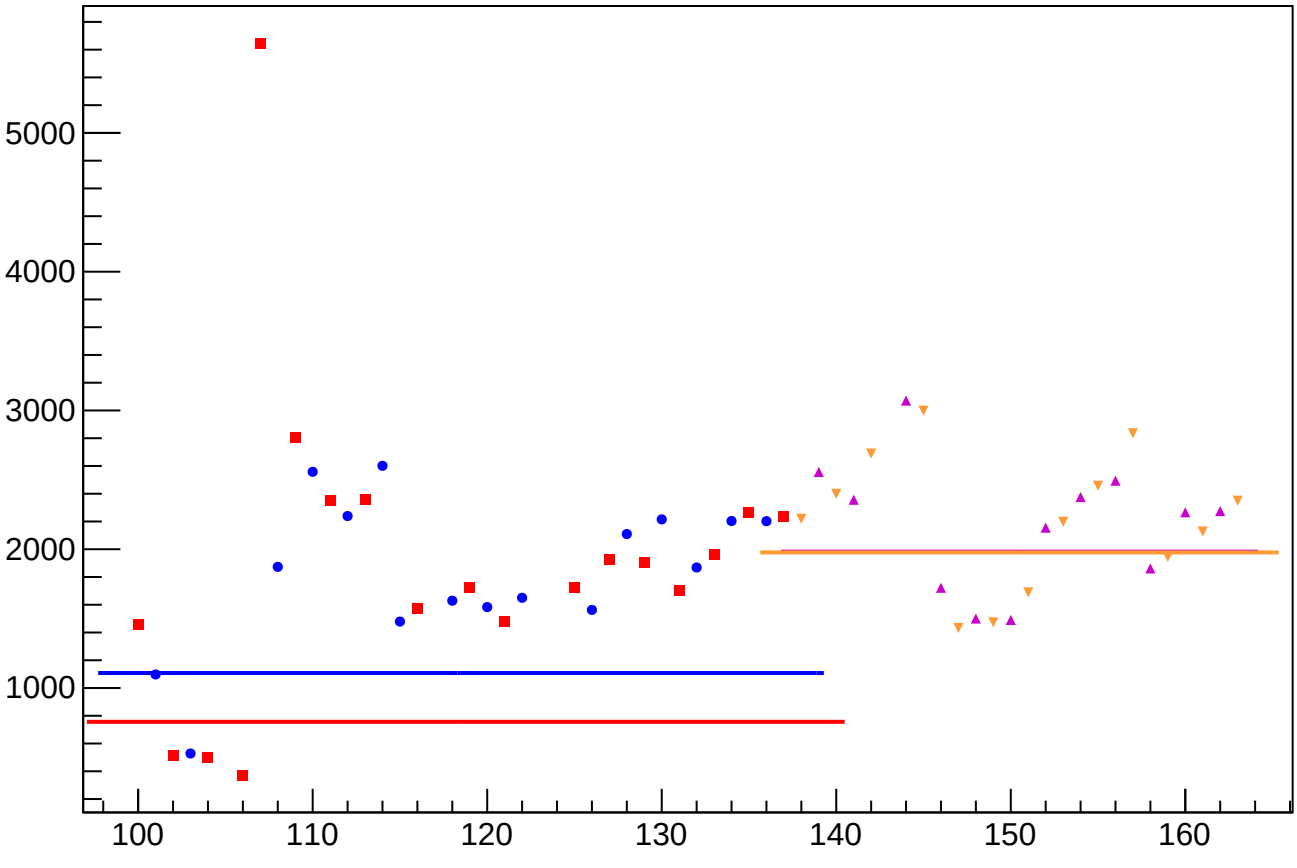
Left: -124.082+/-448.126 χ^2/NDF: 27.5/24

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 116.825+/-385.229 χ^2/NDF:22.8/27

Out: -490.240+/-314.757 χ^2/NDF:35.2/30

All: -247.211+/-243.742 χ^2/NDF: 59.5/58



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1977.113+/-0.448 χ^2/NDF:1072631.6/12

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1982.858+/-0.448 χ^2/NDF:947887.6/11

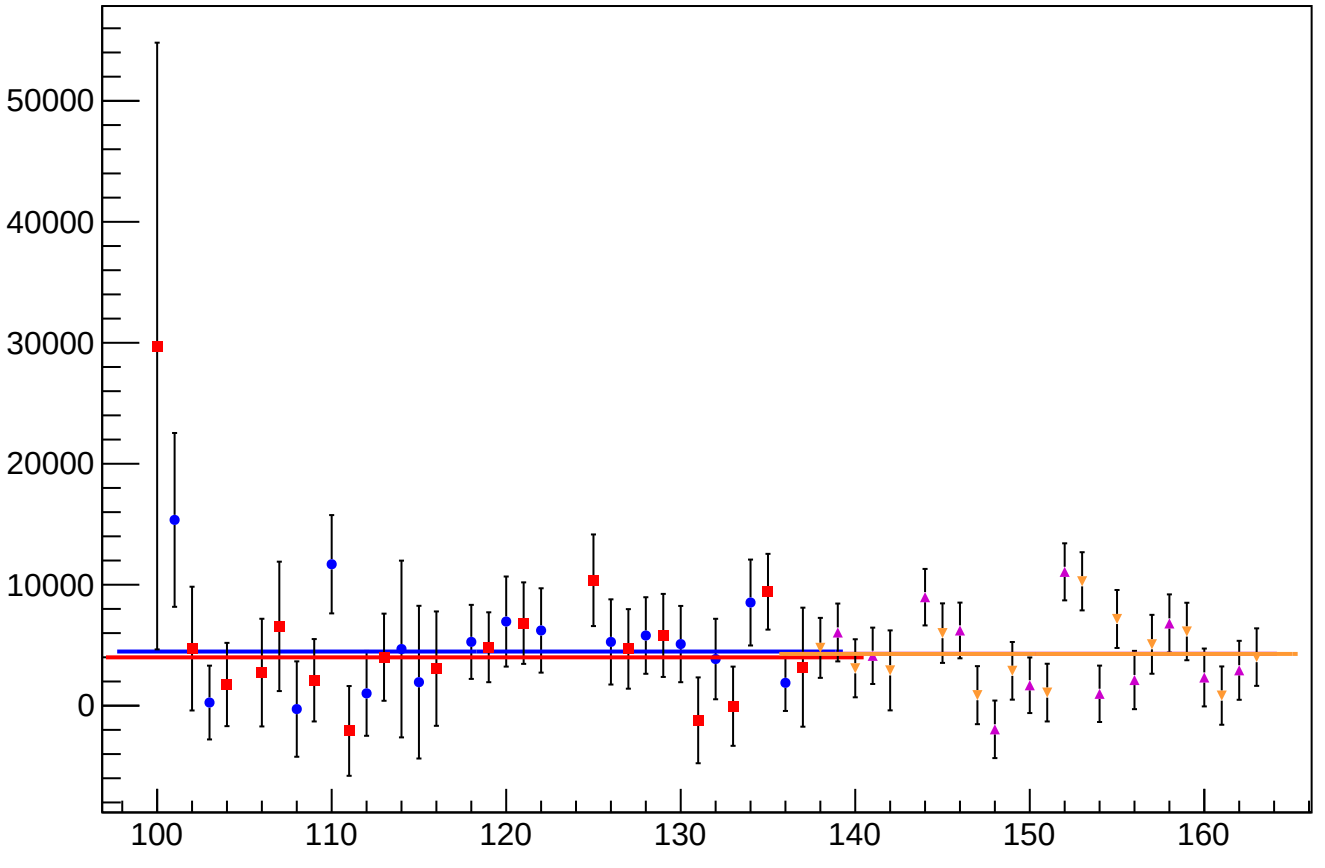
Left: 1979.989+/-0.317 χ^2/NDF: 2020601.3/24

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1431.754+/-0.272 χ^2/NDF:7097923.5/27

Out: 1057.146+/-0.223 χ^2/NDF:12260874.8/30

All: 1207.114+/-0.172 χ^2/NDF: 20492911.0/5



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4278.523+/-680.365 χ^2/NDF:15.6/12

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4290.834+/-682.028 χ^2/NDF:26.6/11

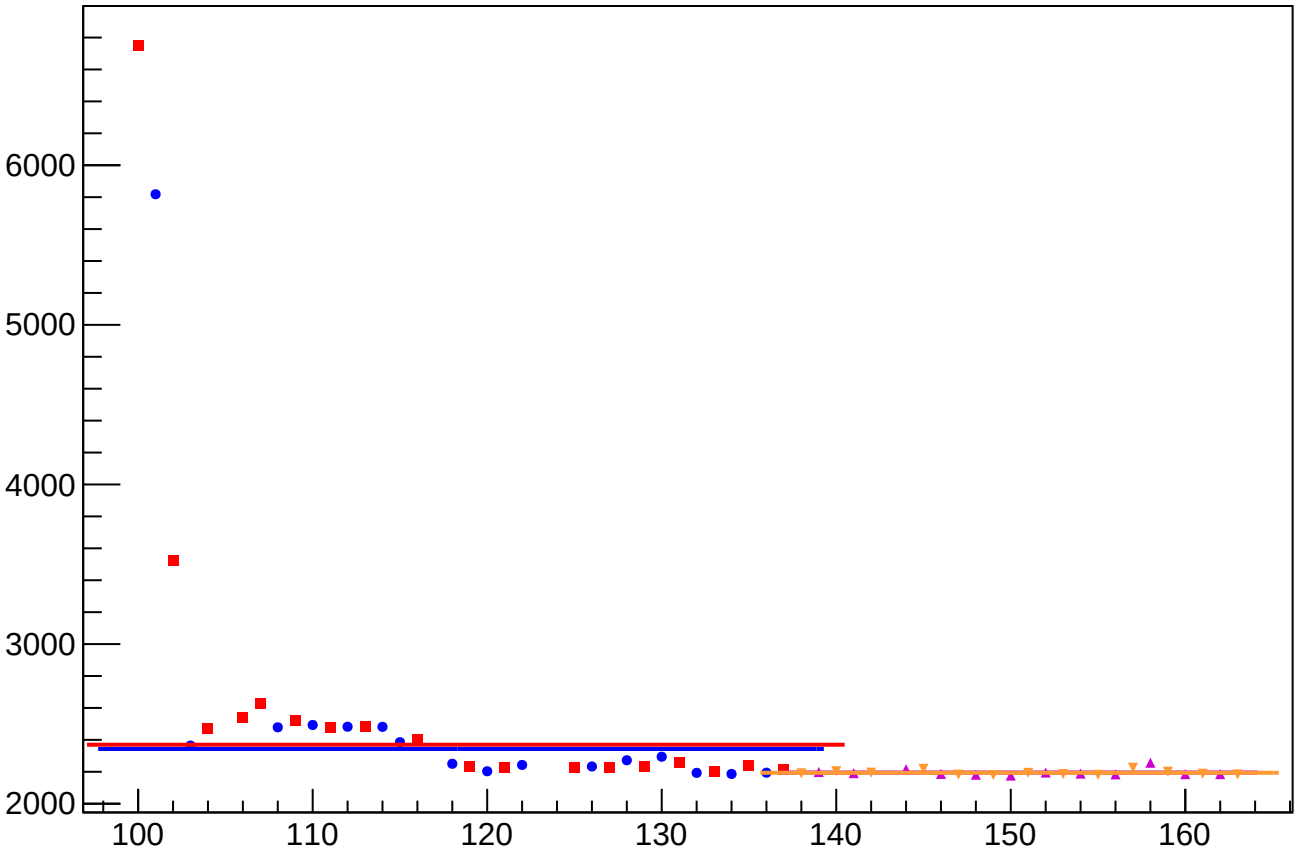
Left: 4284.663+/-481.678 χ^2/NDF: 42.2/24

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4359.881+/-540.467 χ^2/NDF:40.2/27

Out: 4174.309+/-540.617 χ^2/NDF:31.1/30

All: 4267.121+/-382.221 χ^2/NDF: 71.3/58



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2193.881+/-0.481 χ^2/NDF:835.3/12

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2195.445+/-0.482 χ^2/NDF:1833.2/11

Left: 2194.661+/-0.341 χ^2/NDF: 2673.7/24

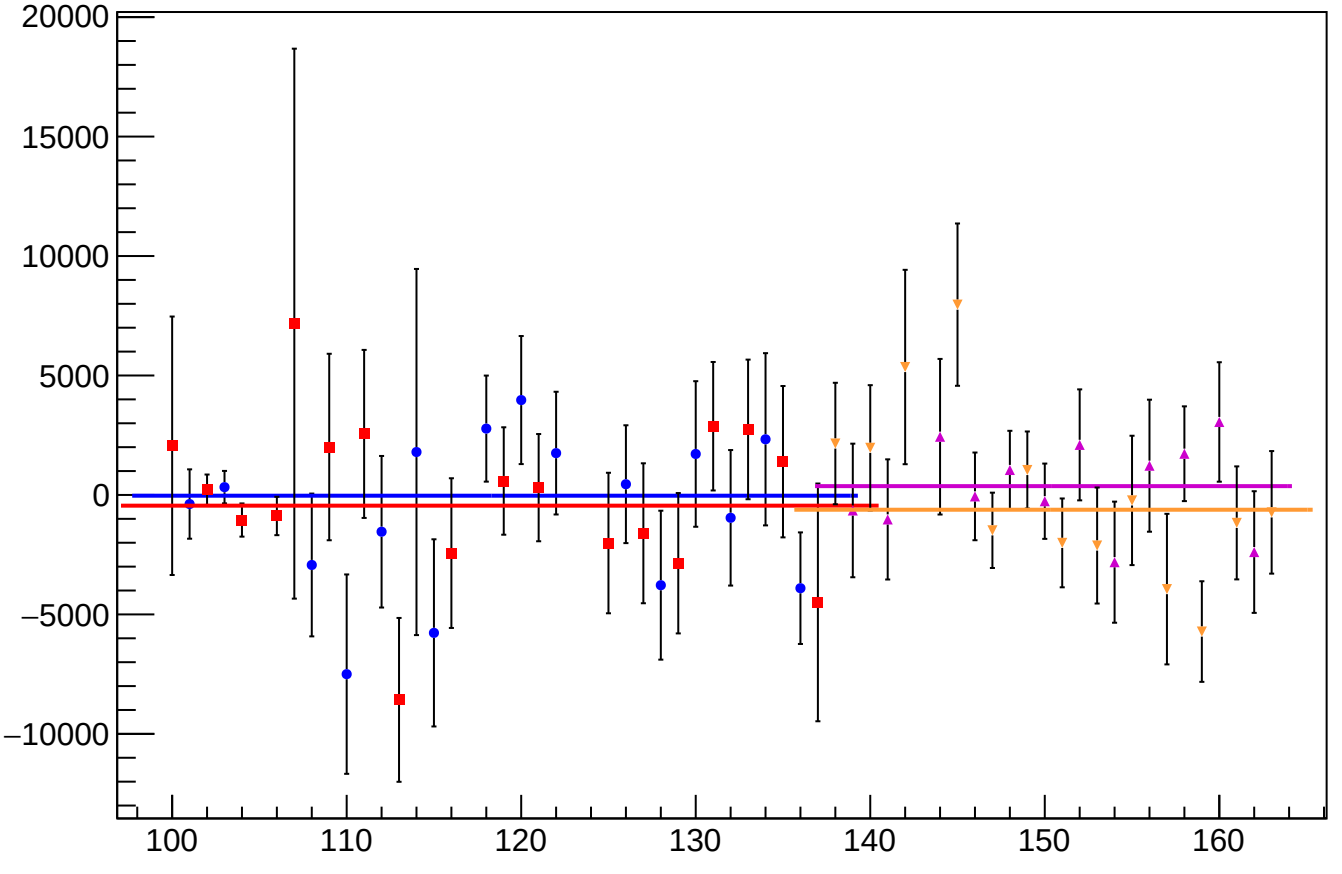
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2250.309+/-0.382 χ^2/NDF:539486.1/27

Out: 2258.643+/-0.382 χ^2/NDF:260142.3/30

All: 2254.475+/-0.270 χ^2/NDF: 799866.1/58

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: -618.663+/-634.151 χ^2/NDF:20.1/12

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 369.238+/-633.344 χ^2/NDF:6.3/11

Left: -124.083+/-448.127 χ^2/NDF: 27.5/24

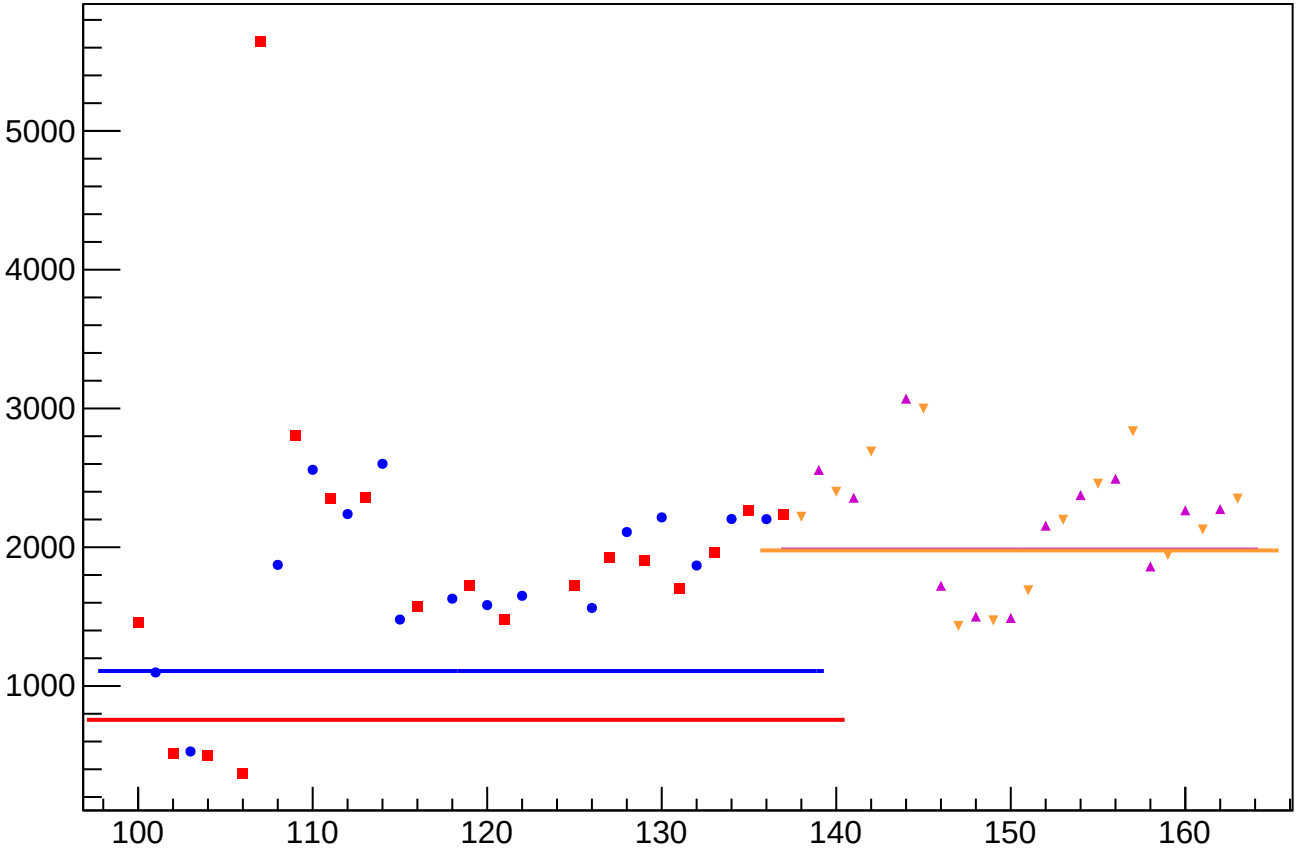
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 116.823+/-385.230 χ^2/NDF:22.8/27

Out: -490.244+/-314.760 χ^2/NDF:35.2/30

All: -247.213+/-243.743 χ^2/NDF: 59.5/58

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: 1977.117+/-0.448 χ^2/NDF:1072631.5/12

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1982.862+/-0.448 χ^2/NDF:947886.9/11

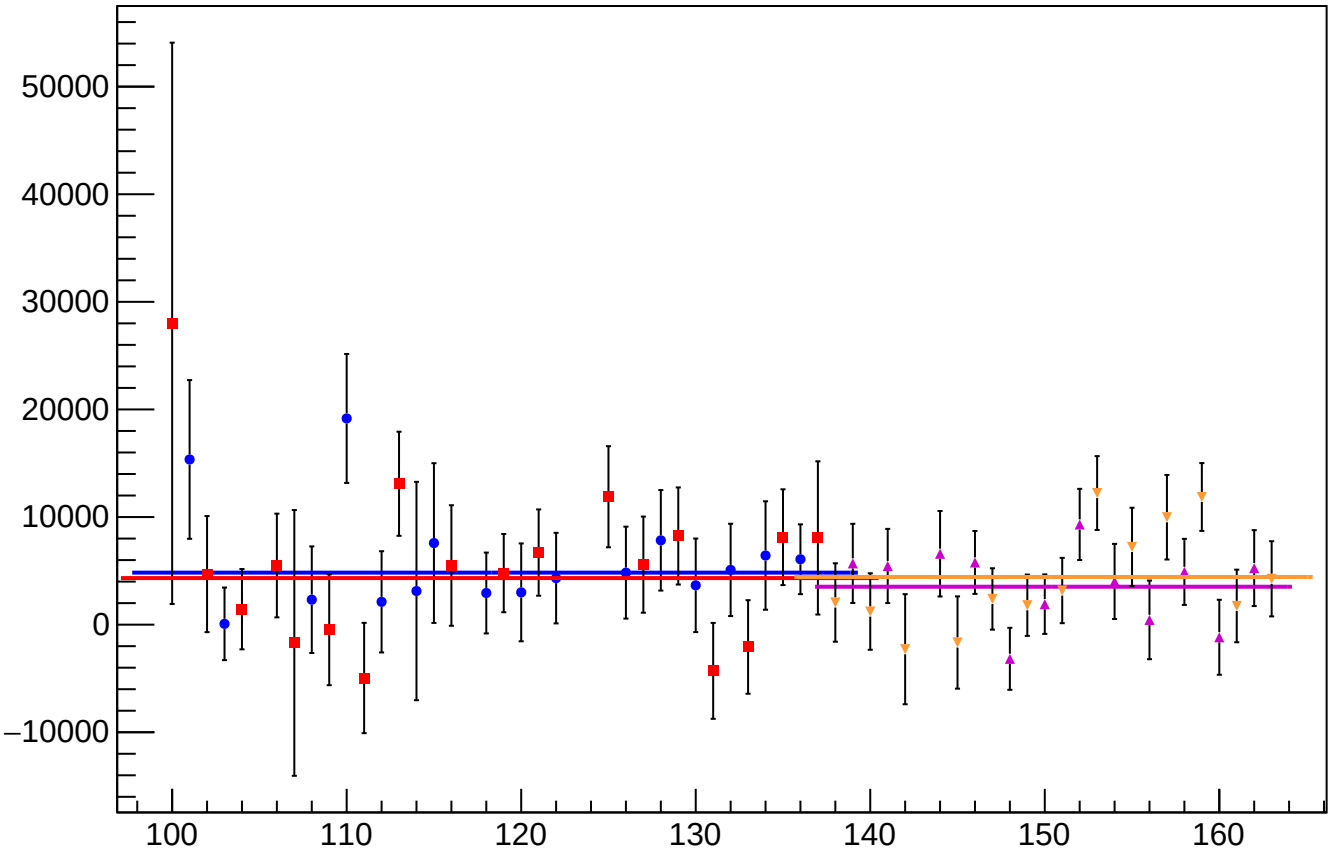
Left: 1979.993+/-0.317 χ^2/NDF: 2020600.6/24

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1431.763+/-0.272 χ^2/NDF:7097798.8/27

Out: 1057.163+/-0.223 χ^2/NDF:12260599.6/30

All: 1207.129+/-0.172 χ^2/NDF: 20492445.4/5



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 4429.260+/-954.718 χ^2/NDF:20.5/12

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3523.958+/-950.492 χ^2/NDF:13.7/11

Left: 3974.600+/-673.588 χ^2/NDF: 34.6/24

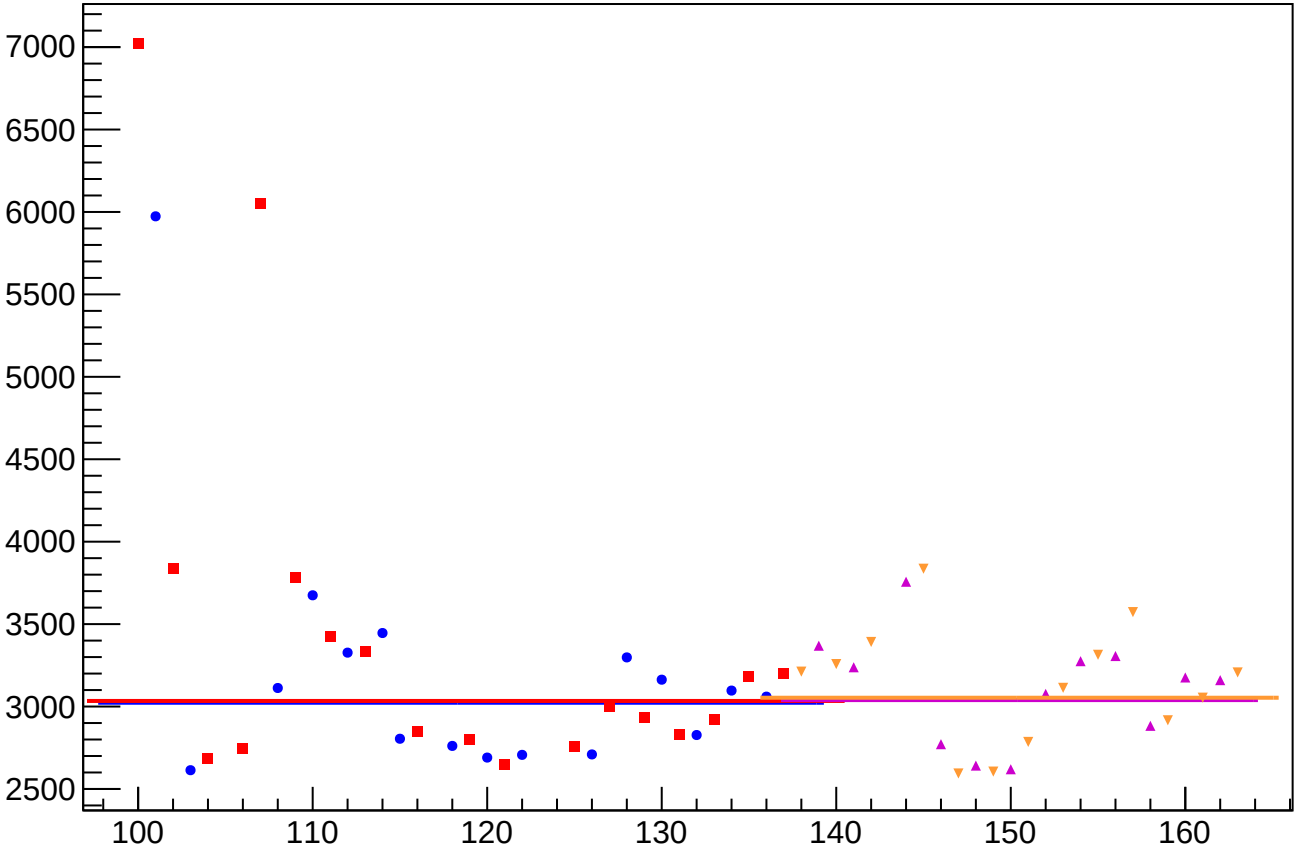
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4059.702+/-730.697 χ^2/NDF:26.1/27

Out: 4387.958+/-733.141 χ^2/NDF:40.4/30

All: 4223.282+/-517.543 χ^2/NDF: 66.6/58

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.421+/-0.675 χ^2/NDF:256058.0/12

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3039.068+/-0.672 χ^2/NDF:219633.9/11

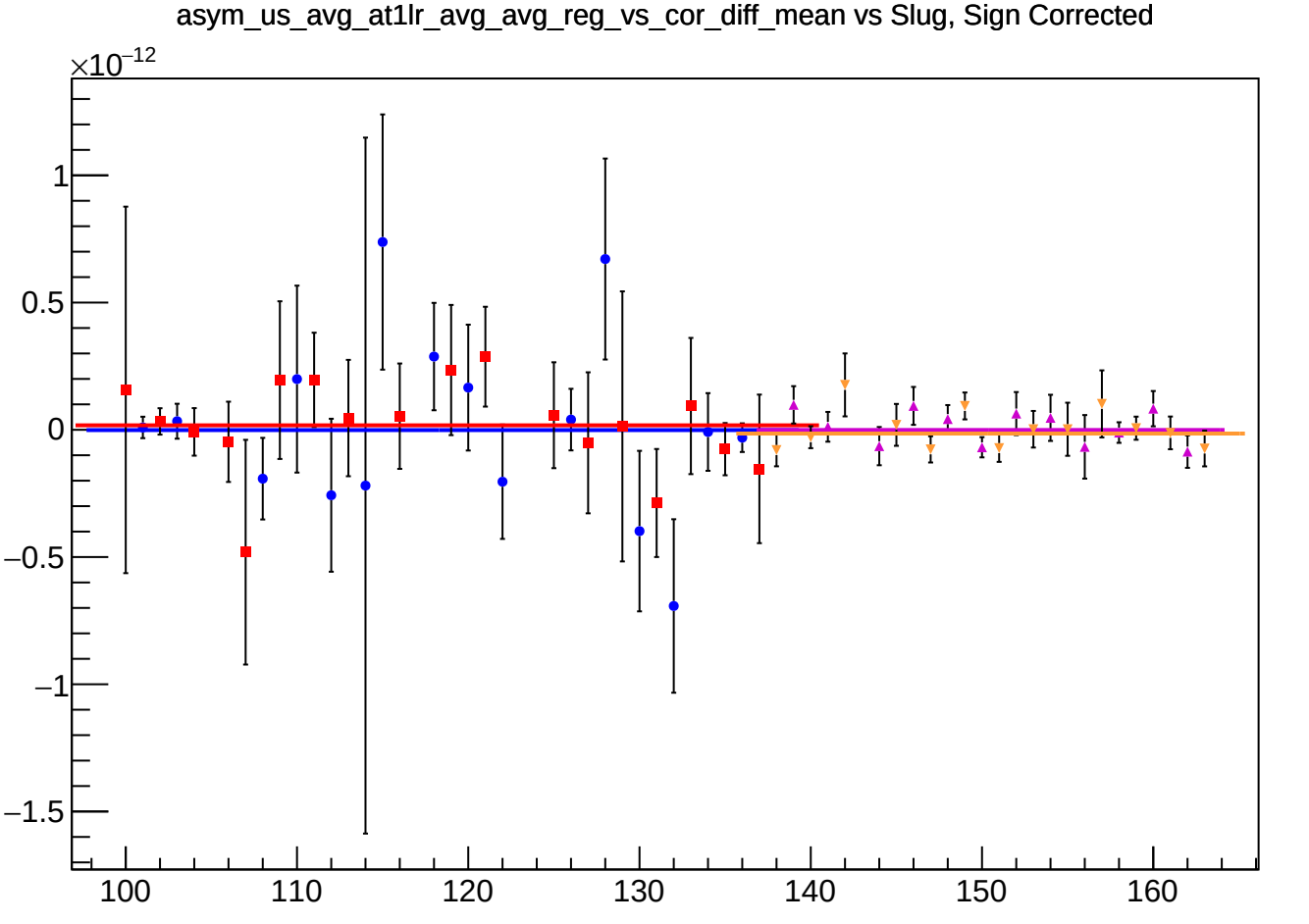
Left: 3046.213+/-0.476 χ^2/NDF: 475918.9/24

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3032.524+/-0.517 χ^2/NDF:663571.5/27

Out: 3045.398+/-0.518 χ^2/NDF:599076.9/30

All: 3038.940+/-0.366 χ^2/NDF: 1262957.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/11

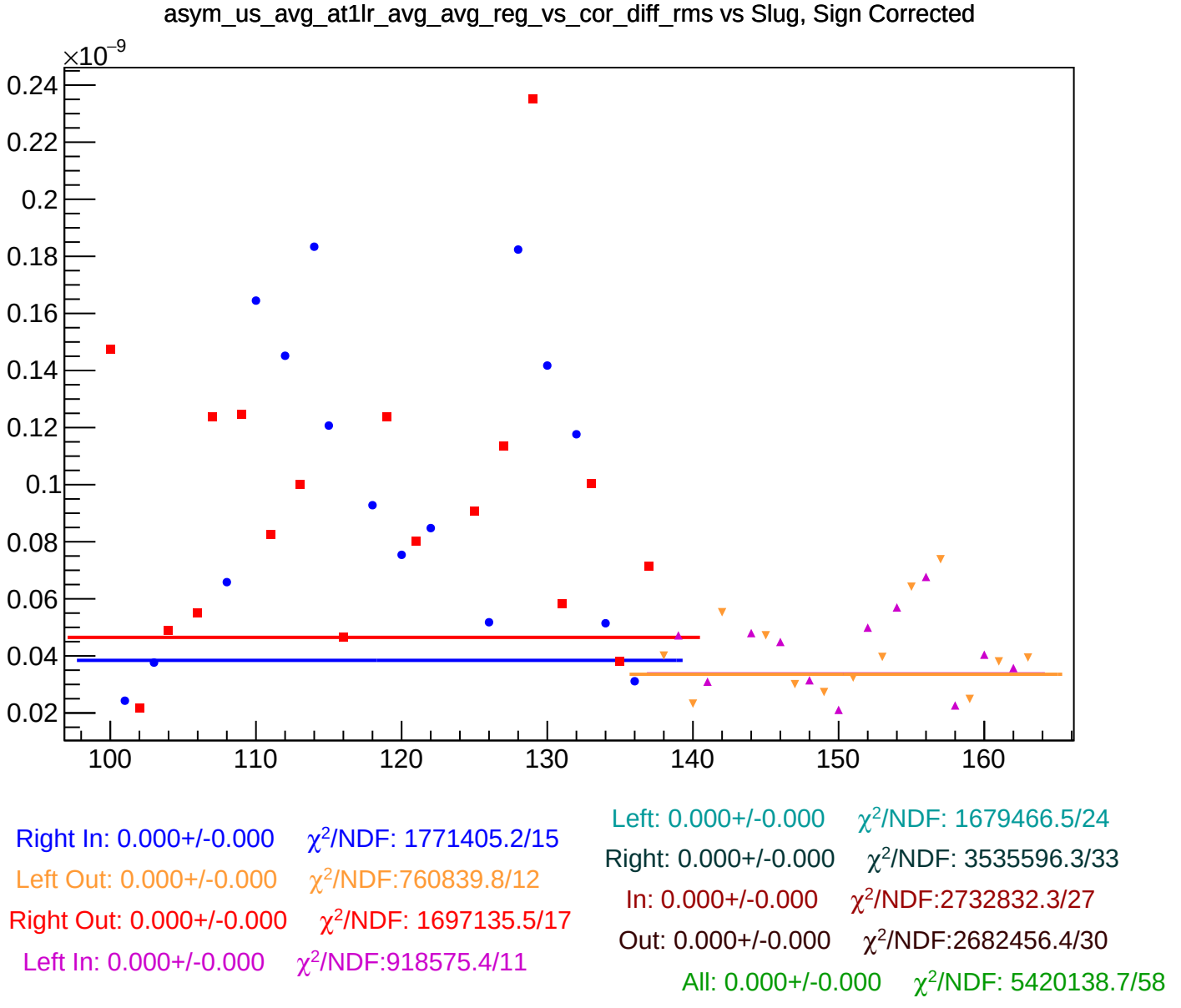
Left: -0.000+/-0.000 χ^2/NDF: 24.8/24

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

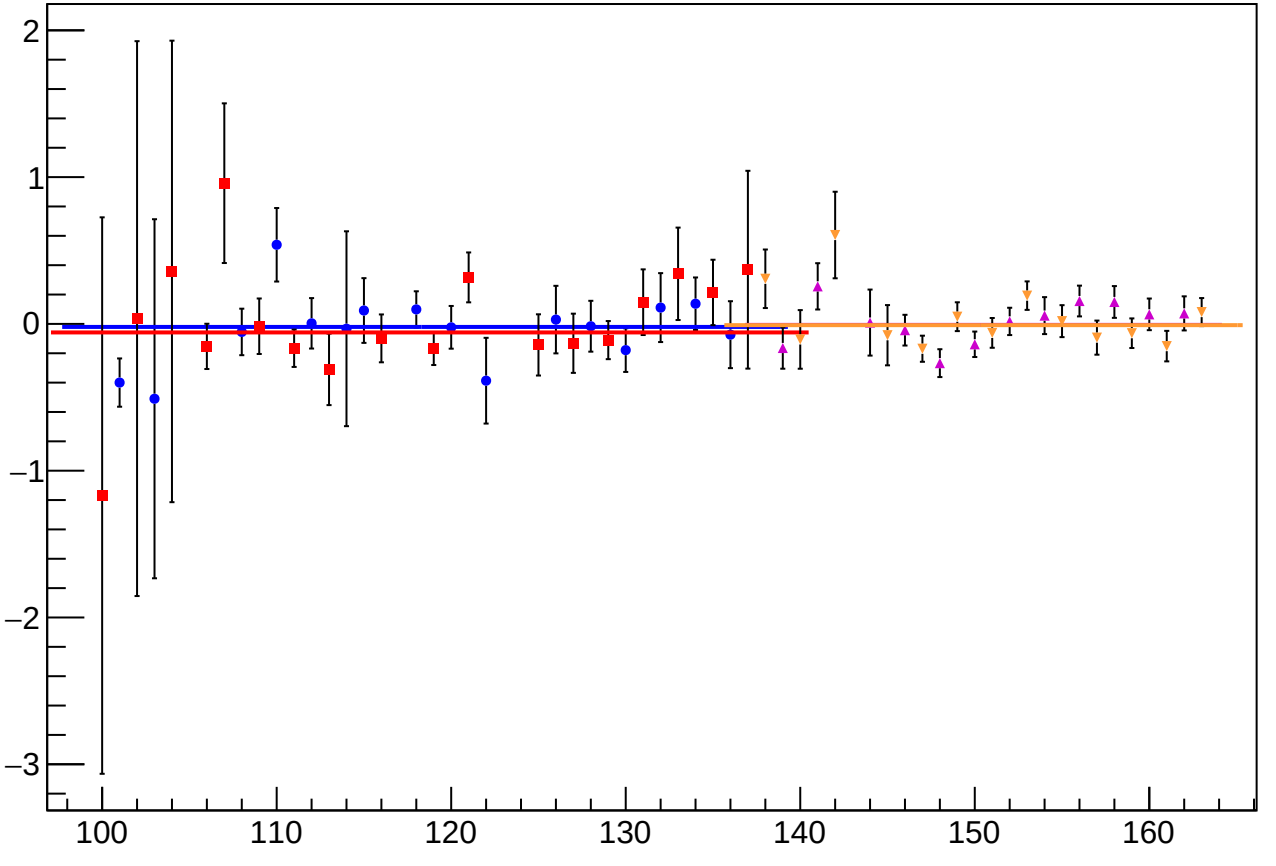
In: -0.000+/-0.000 χ^2/NDF:29.3/27

Out: -0.000+/-0.000 χ^2/NDF:22.0/30

All: -0.000+/-0.000 χ^2/NDF: 51.4/58


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:760839.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:918575.4/11
Left: 0.000+/-0.000 χ²/NDF: 1679466.5/24
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:2732832.3/27
Out: 0.000+/-0.000 χ²/NDF:2682456.4/30
All: 0.000+/-0.000 χ²/NDF: 5420138.7/58

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: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.007+/-0.032 χ^2/NDF:19.7/11

Left: -0.008+/-0.023 χ^2/NDF: 38.7/24

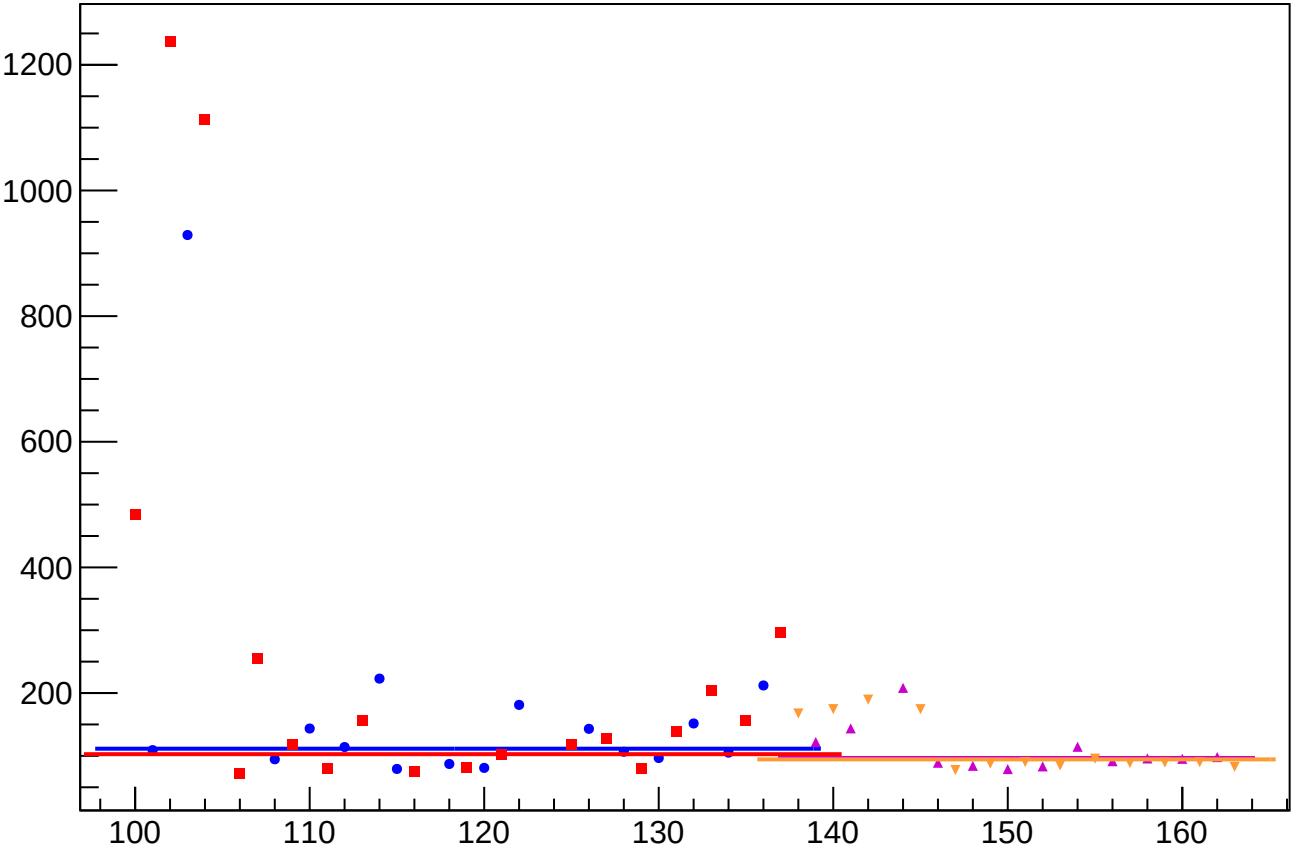
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.011+/-0.027 χ^2/NDF:35.4/27

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.018+/-0.019 χ^2/NDF: 72.2/58

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: 94.389+/-0.023 χ^2/NDF:1251230.2/12

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.643+/-0.023 χ^2/NDF:950592.8/11

Left: 95.506+/-0.016 χ^2/NDF: 2206746.4/24

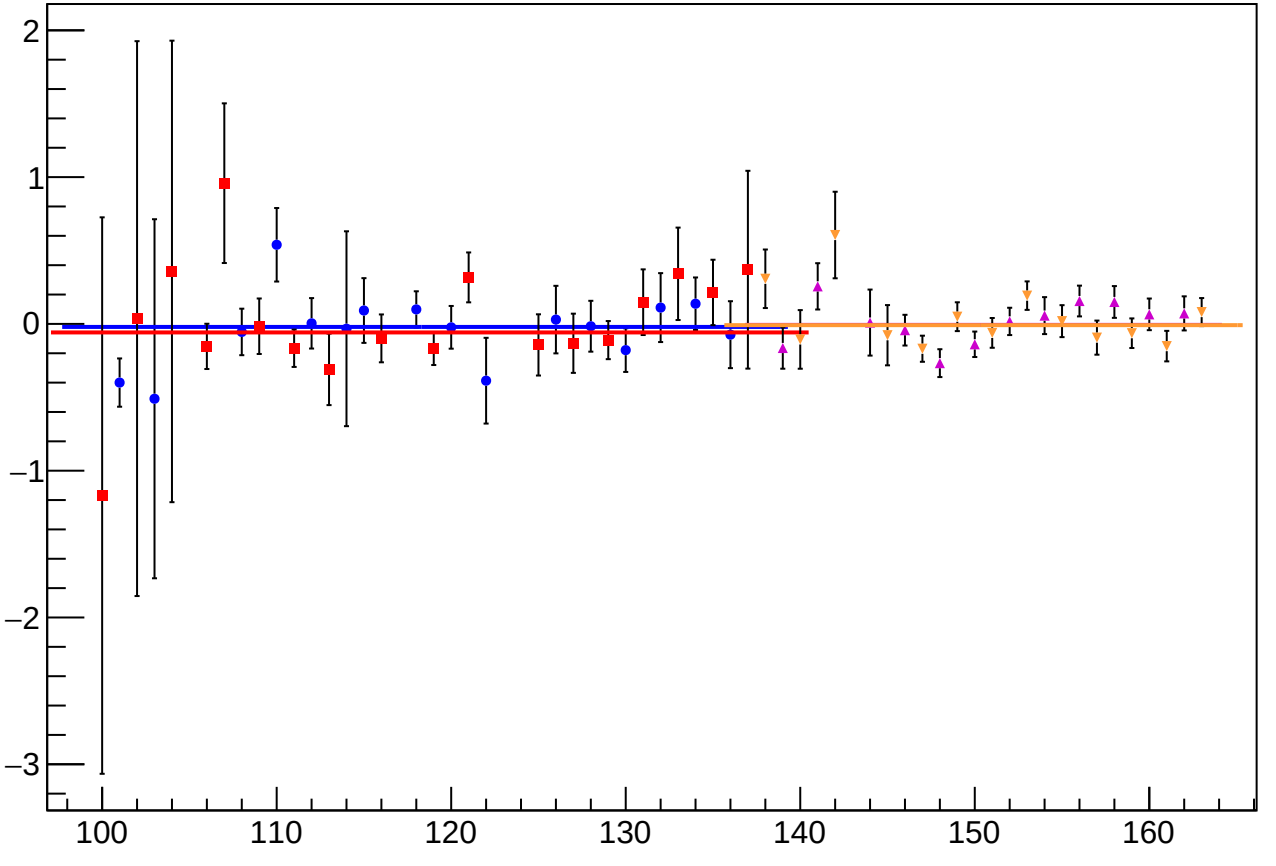
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.286+/-0.019 χ^2/NDF:2921681.6/27

Out: 97.056+/-0.019 χ^2/NDF:4121295.9/30

All: 99.141+/-0.013 χ^2/NDF: 7068418.0/58

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.007+/-0.032 χ^2/NDF:19.7/11

Left: -0.008+/-0.023 χ^2/NDF: 38.7/24

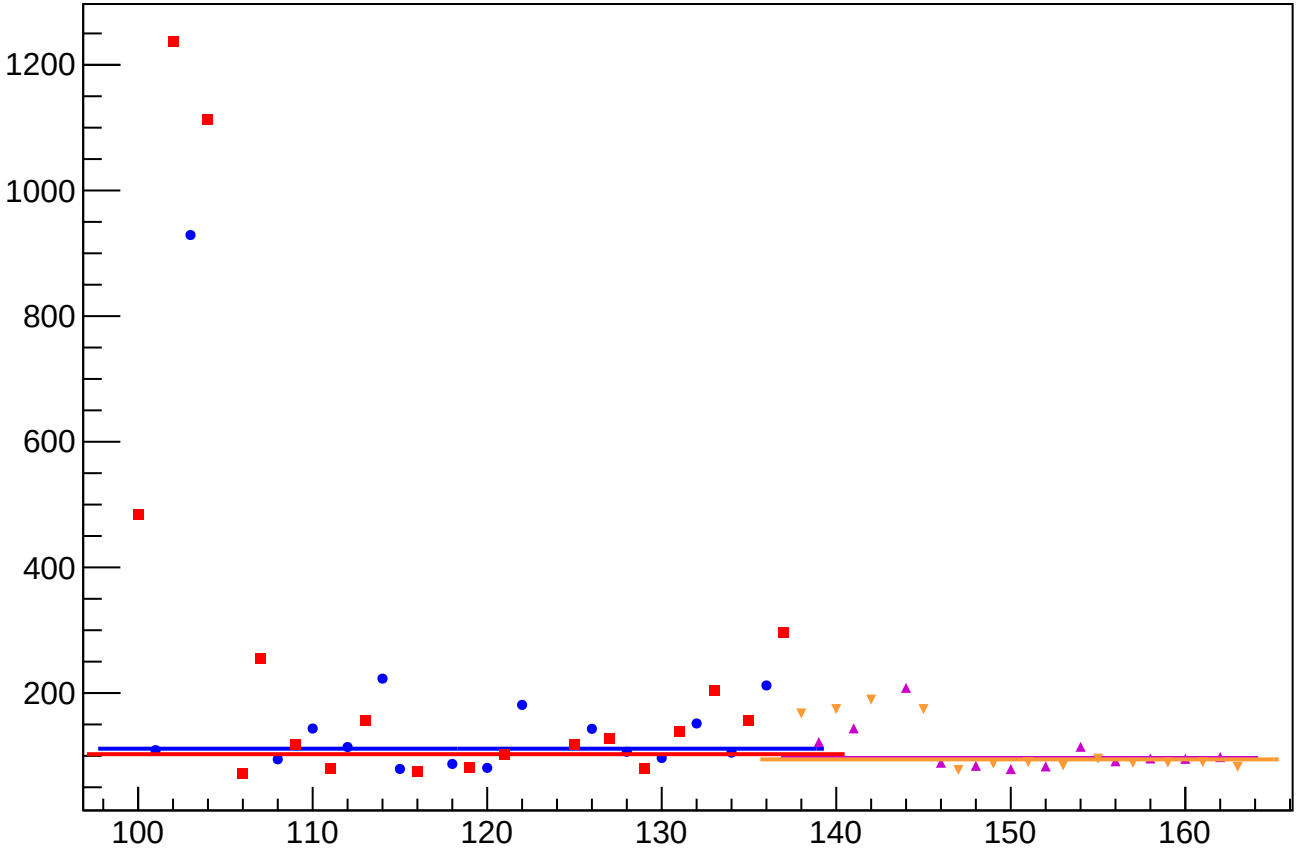
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.011+/-0.027 χ^2/NDF:35.4/27

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.018+/-0.019 χ^2/NDF: 72.2/58

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: 94.389+/-0.023 χ^2/NDF:1251230.2/12

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.643+/-0.023 χ^2/NDF:950592.8/11

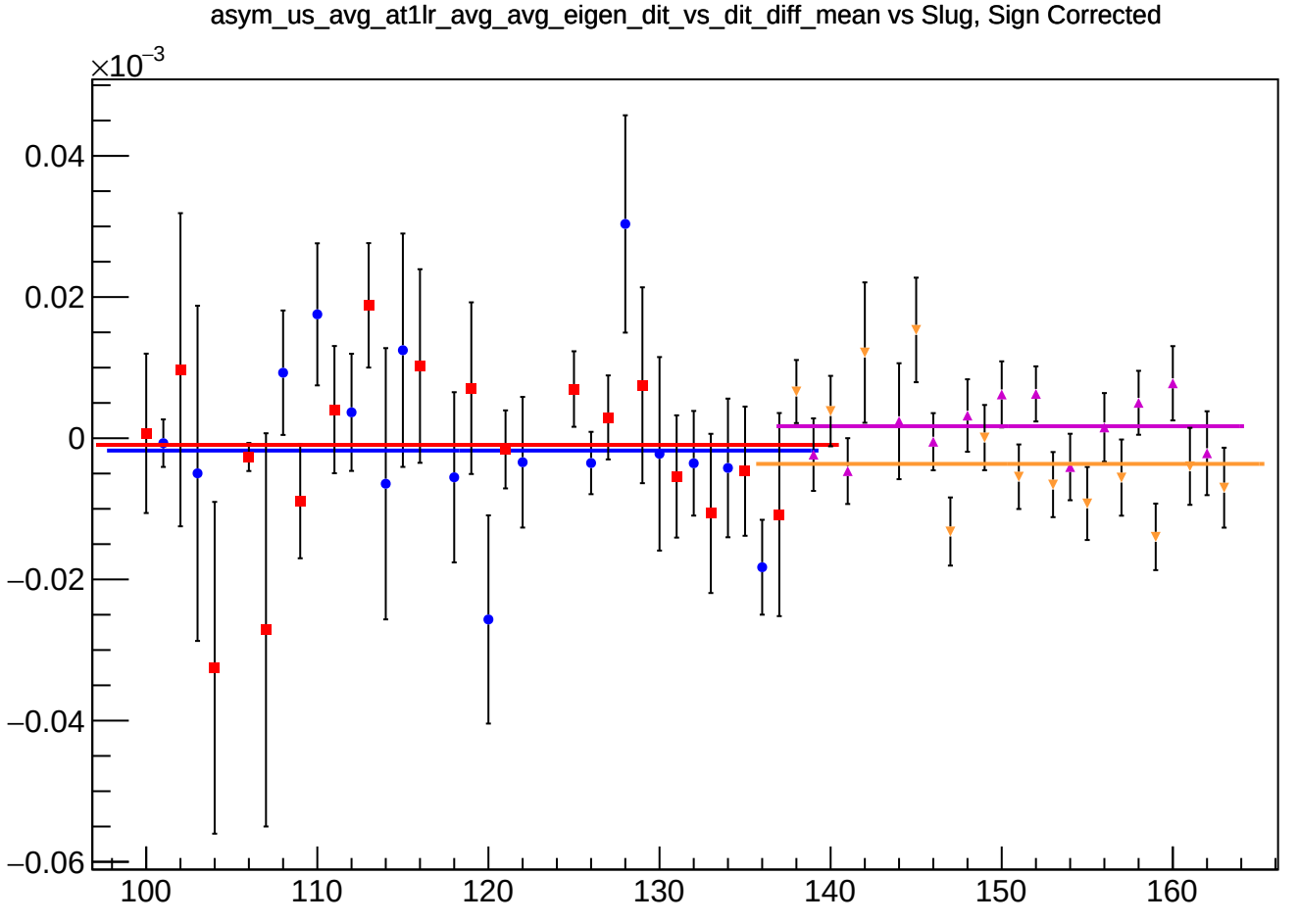
Left: 95.506+/-0.016 χ^2/NDF: 2206746.4/24

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 101.286+/-0.019 χ^2/NDF:2921681.6/27

Out: 97.056+/-0.019 χ^2/NDF:4121295.9/30

All: 99.141+/-0.013 χ^2/NDF: 7068418.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/11

Left: -0.000+/-0.000 χ^2/NDF: 44.3/24

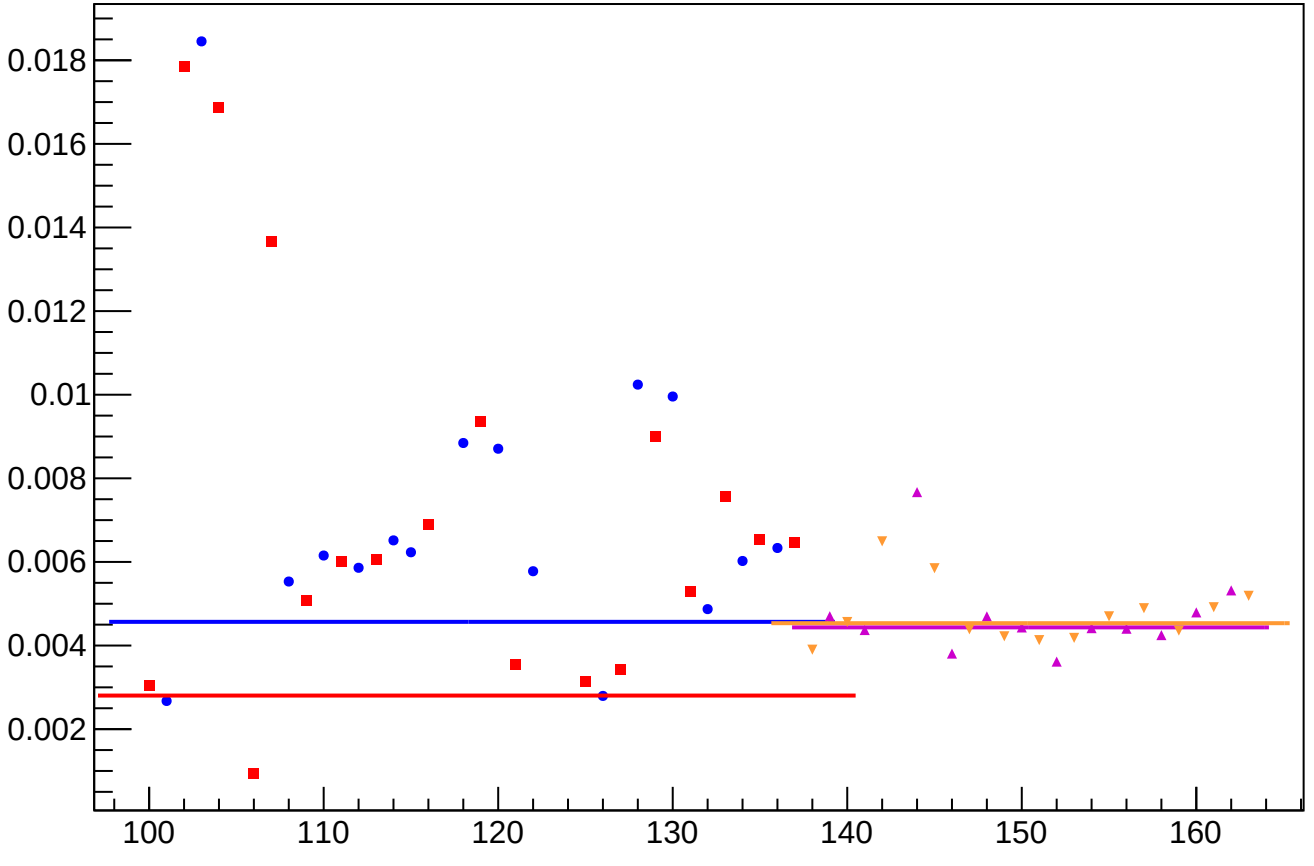
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.1/27

Out: -0.000+/-0.000 χ^2/NDF:45.7/30

All: -0.000+/-0.000 χ^2/NDF: 80.2/58

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: 0.005+/-0.000 χ^2/NDF:269564.3/12

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:514569.0/11

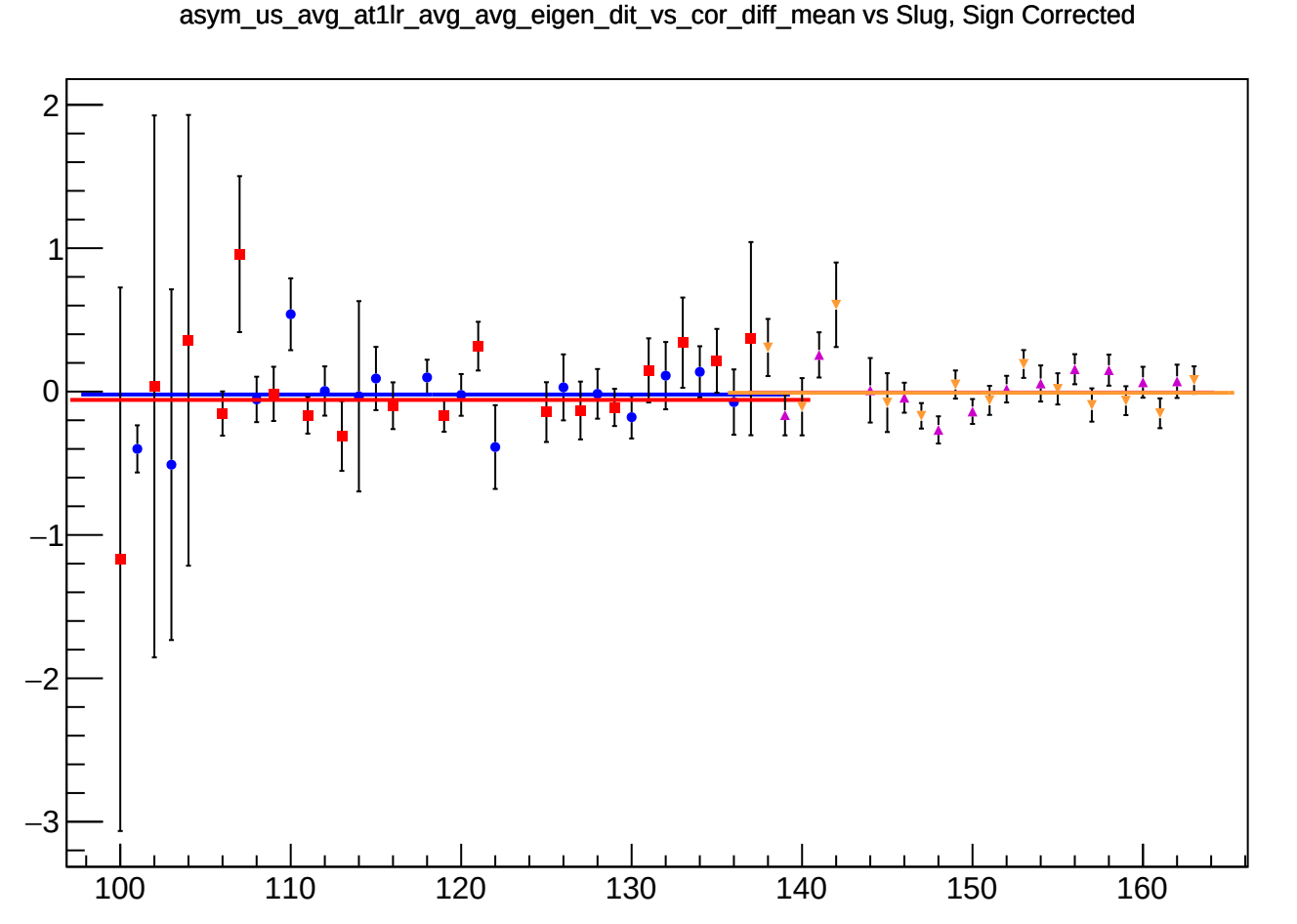
Left: 0.004+/-0.000 χ^2/NDF: 789117.8/24

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3532981.3/27

Out: 0.004+/-0.000 χ^2/NDF:8291020.8/30

All: 0.004+/-0.000 χ^2/NDF: 12350896.1/58



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.007+/-0.032 χ^2/NDF:19.7/11

Left: -0.008+/-0.023 χ^2/NDF: 38.7/24

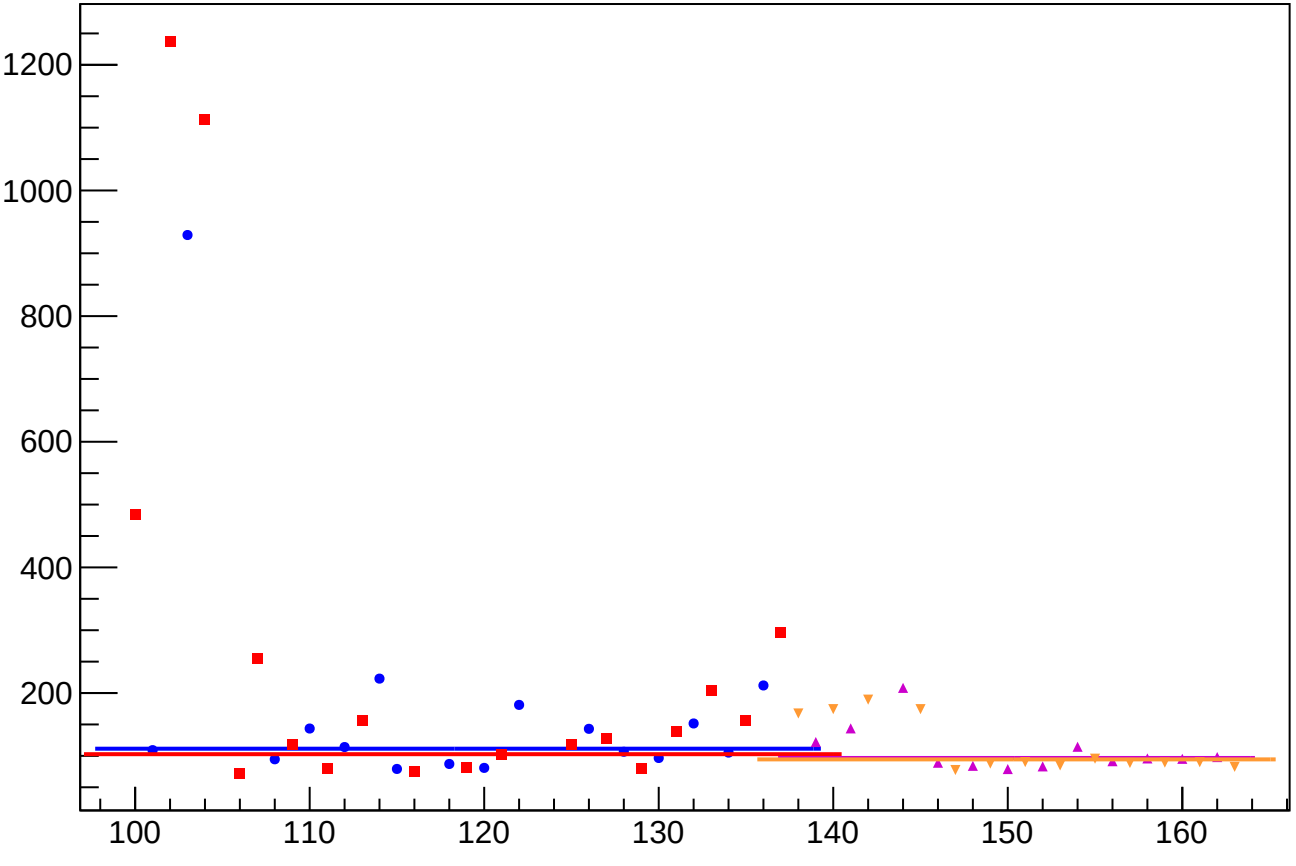
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.011+/-0.027 χ^2/NDF:35.4/27

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.018+/-0.019 χ^2/NDF: 72.2/58

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: 94.390+/-0.023 χ^2/NDF:1251207.6/12

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.643+/-0.023 χ^2/NDF:950579.4/11

Left: 95.507+/-0.016 χ^2/NDF: 2206710.2/24

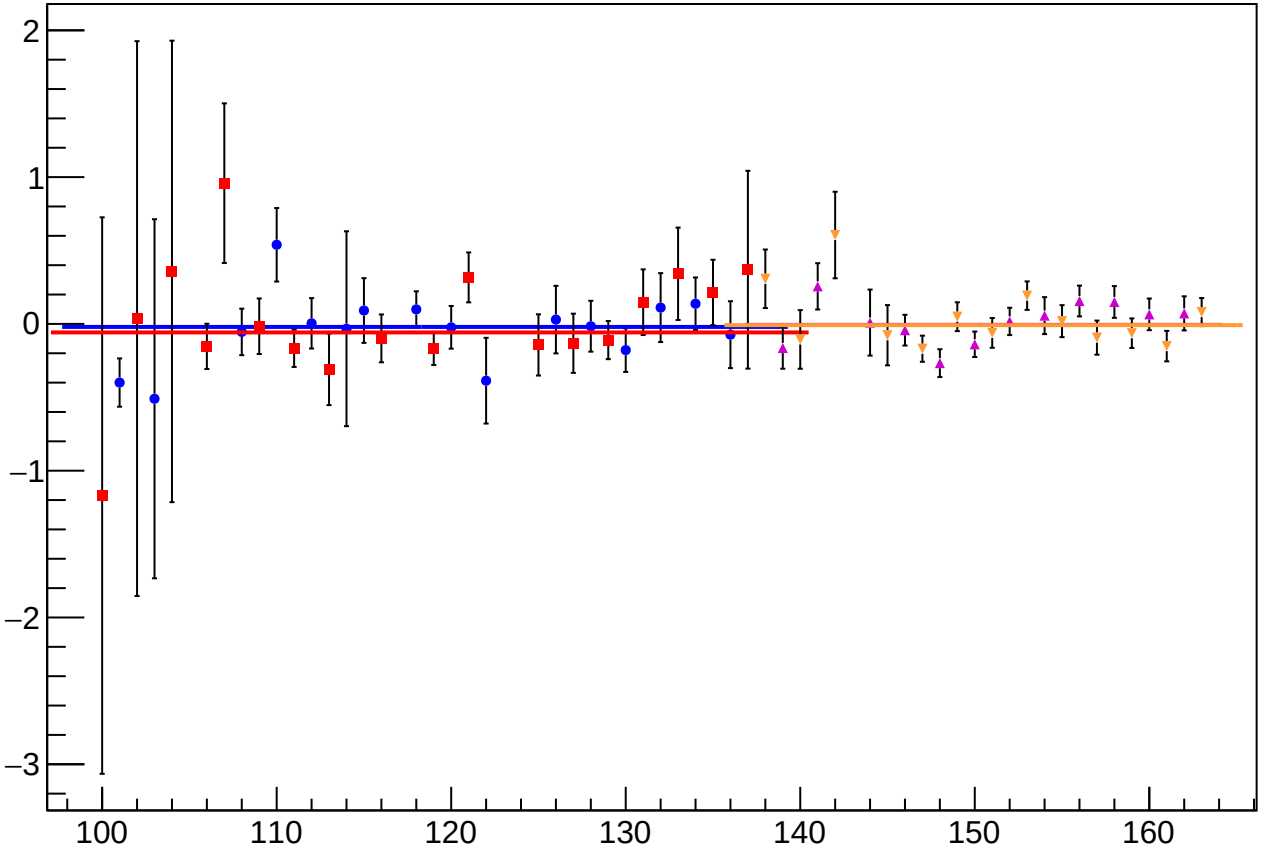
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 101.286+/-0.019 χ^2/NDF:2921663.2/27

Out: 97.056+/-0.019 χ^2/NDF:4121249.0/30

All: 99.141+/-0.013 χ^2/NDF: 7068349.4/58

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: -0.008+/-0.032 χ^2/NDF:19.0/12

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.007+/-0.032 χ^2/NDF:19.7/11

Left: -0.008+/-0.023 χ^2/NDF: 38.7/24

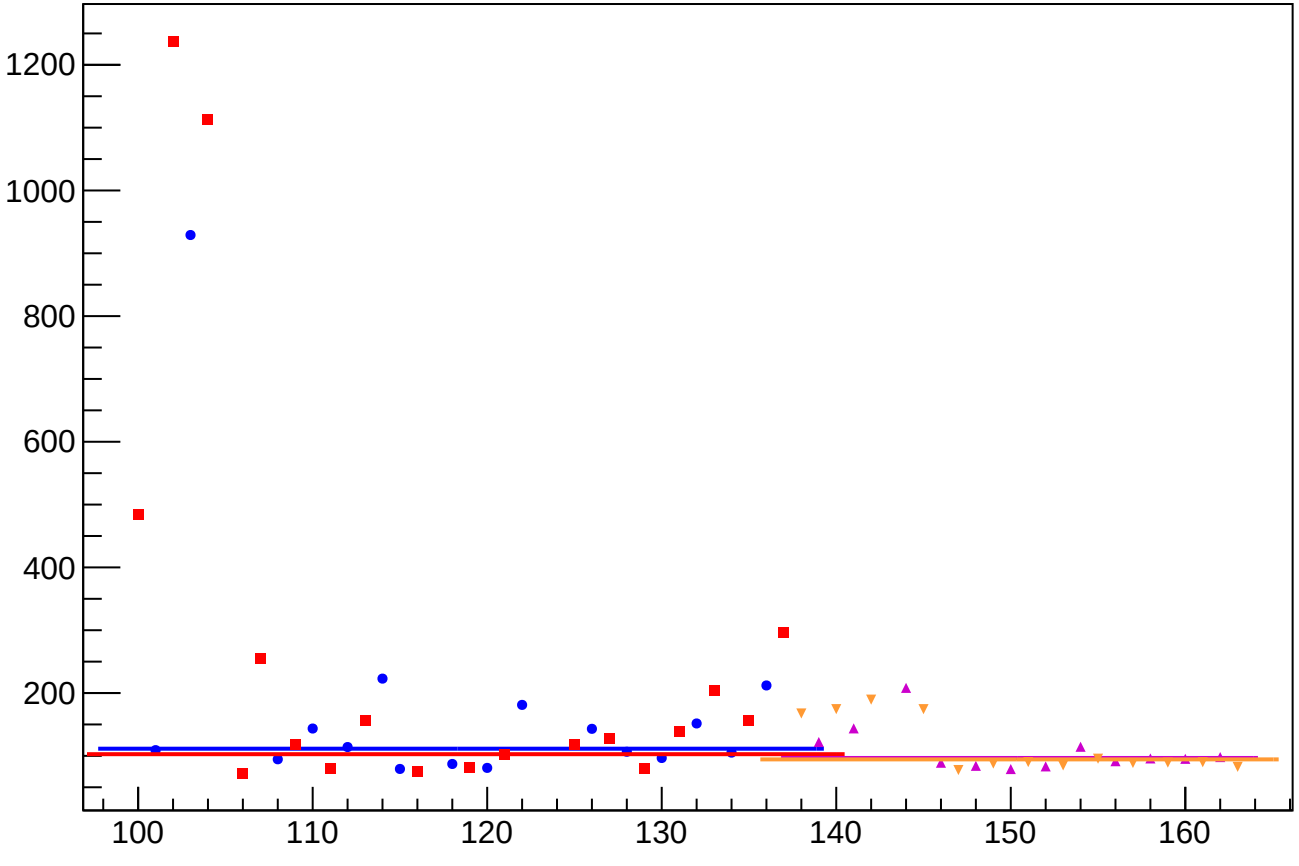
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.011+/-0.027 χ^2/NDF:35.4/27

Out: -0.024+/-0.026 χ^2/NDF:36.6/30

All: -0.018+/-0.019 χ^2/NDF: 72.2/58

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: 94.390+/-0.023 χ^2/NDF:1251207.6/12

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.643+/-0.023 χ^2/NDF:950579.4/11

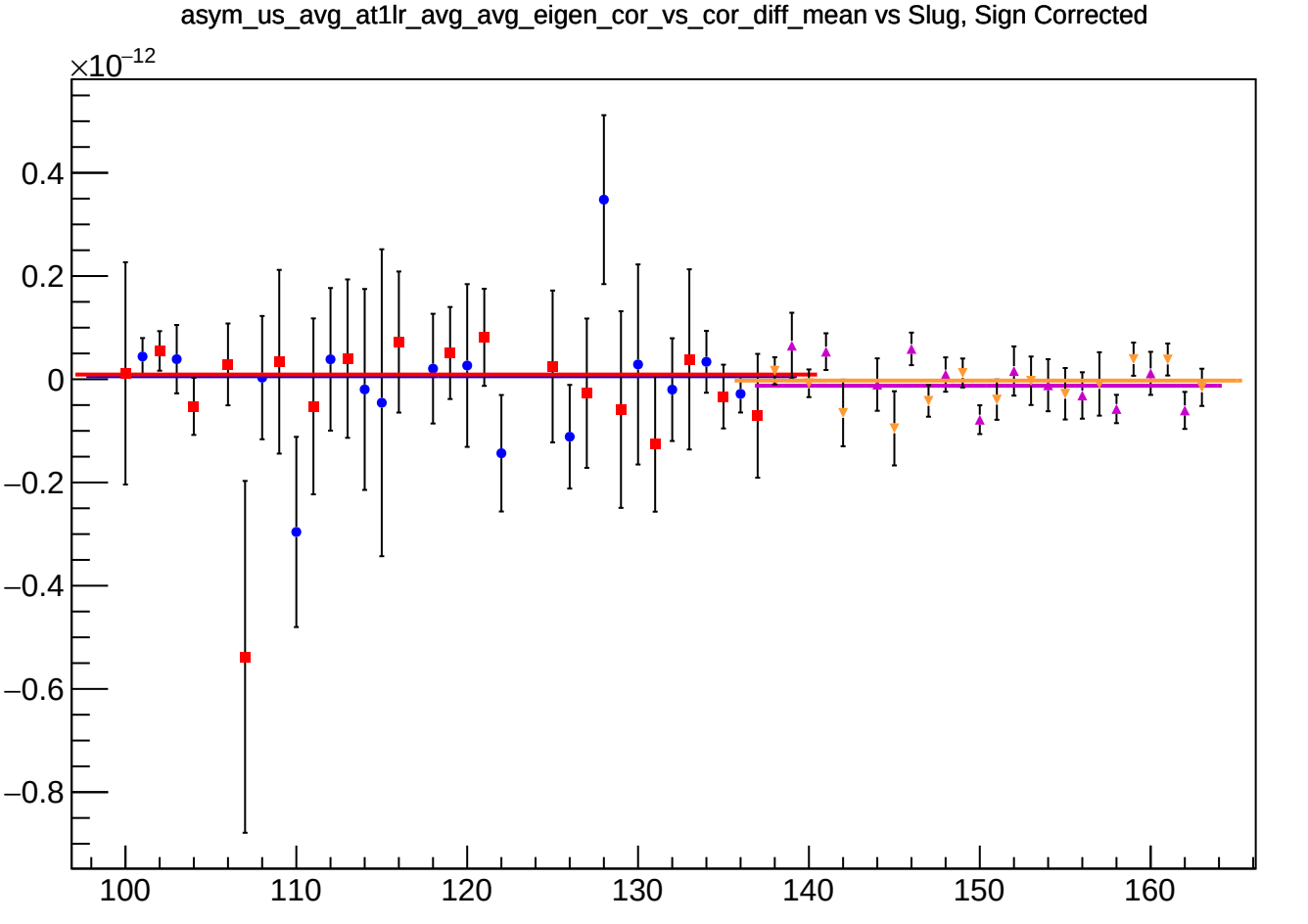
Left: 95.507+/-0.016 χ^2/NDF: 2206710.2/24

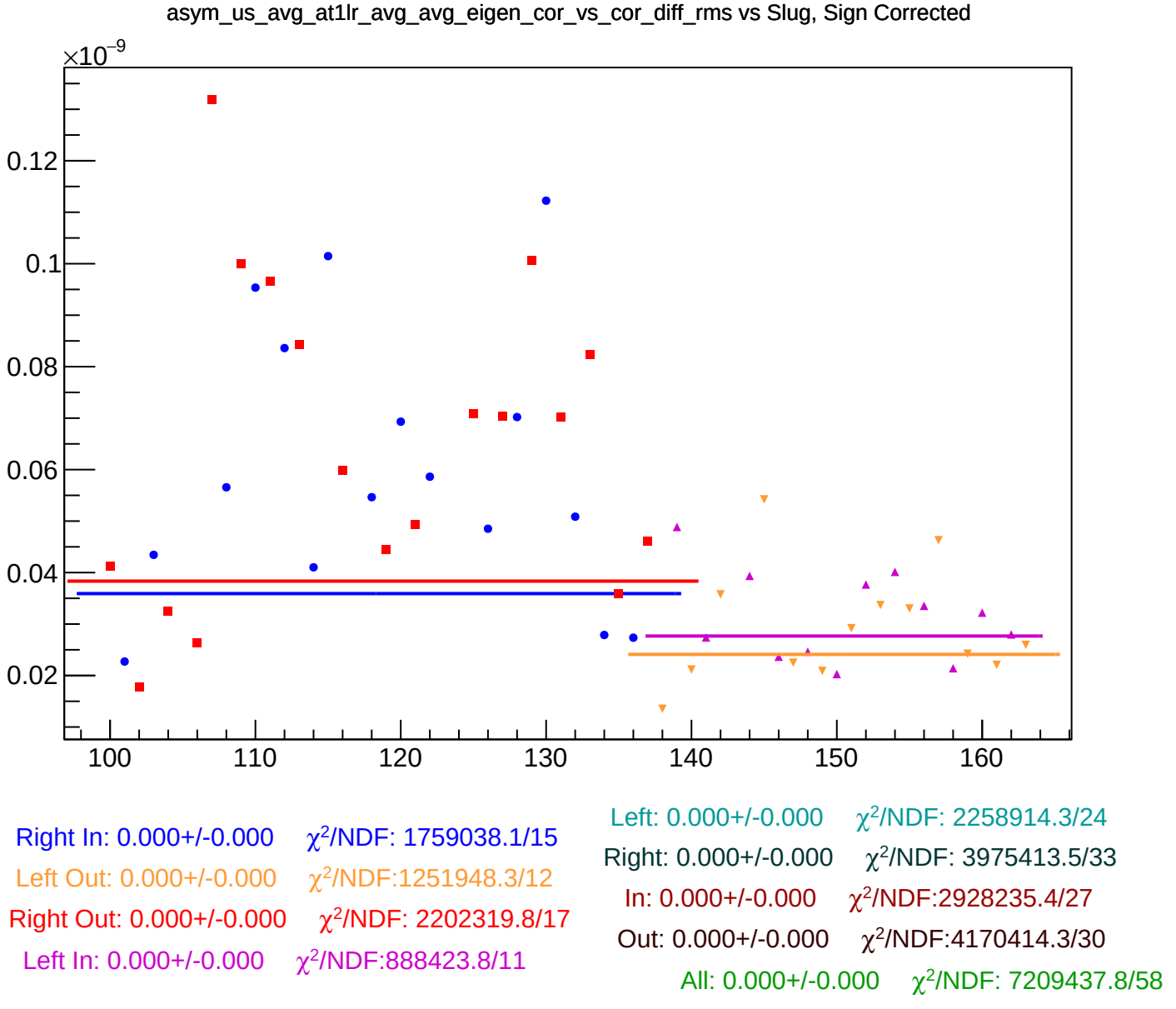
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

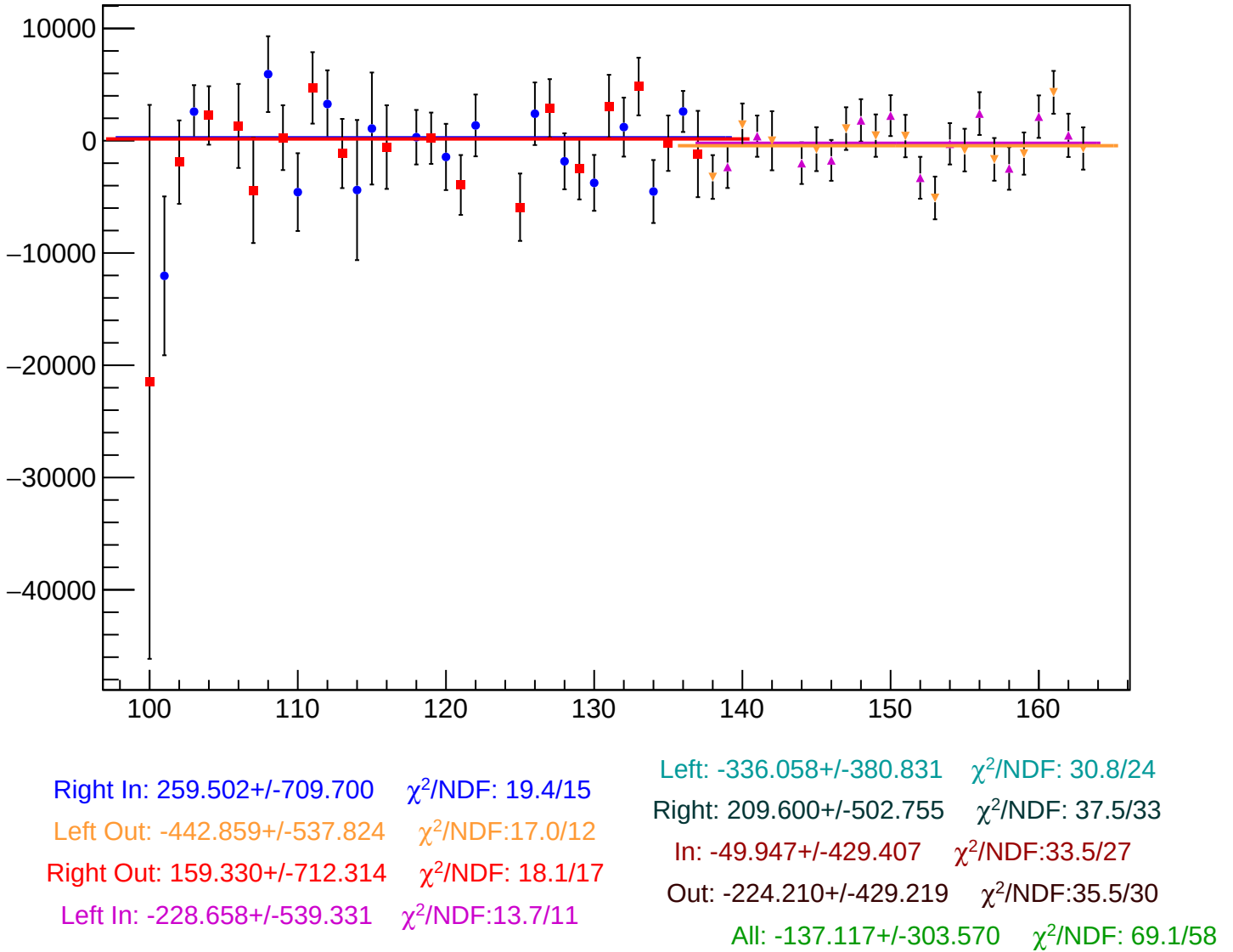
In: 101.286+/-0.019 χ^2/NDF:2921663.2/27

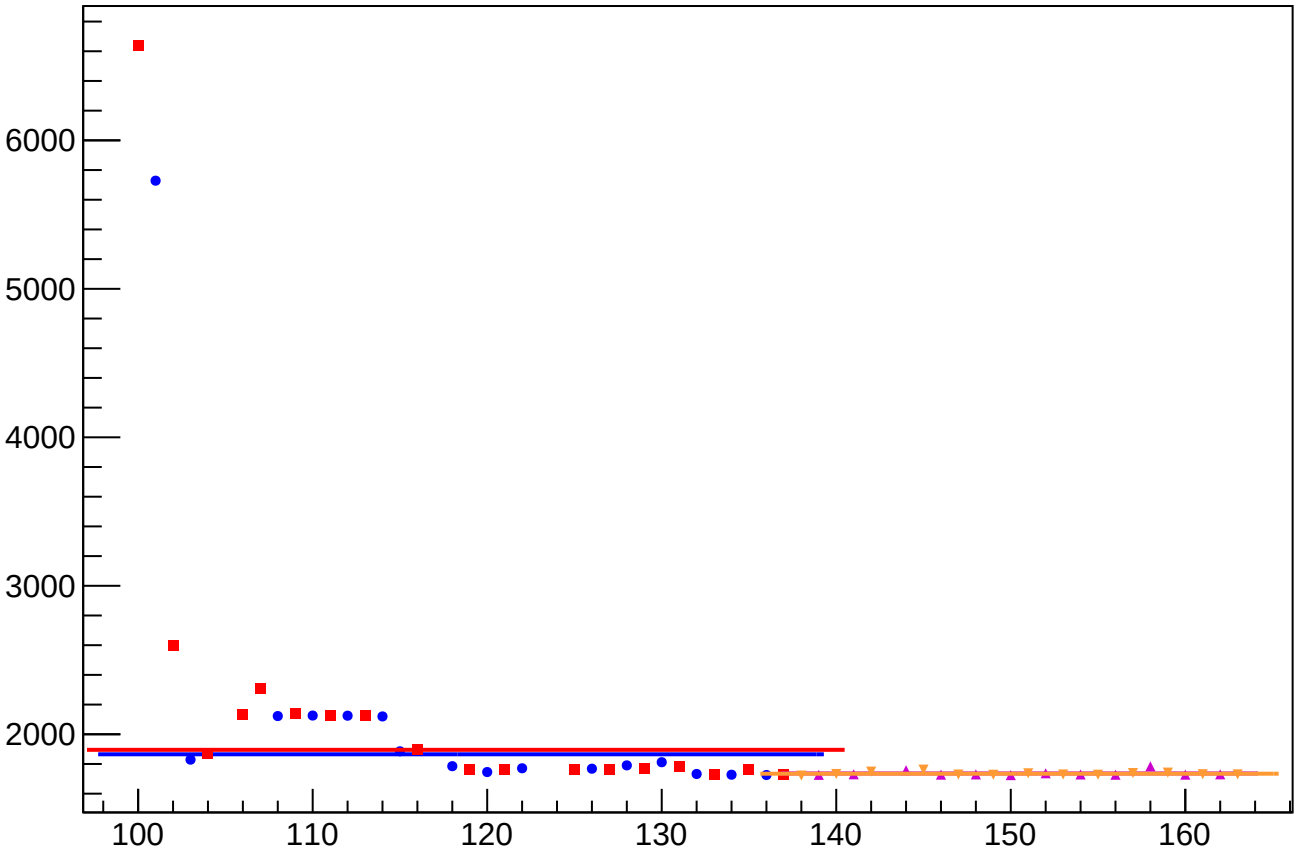
Out: 97.056+/-0.019 χ^2/NDF:4121249.0/30

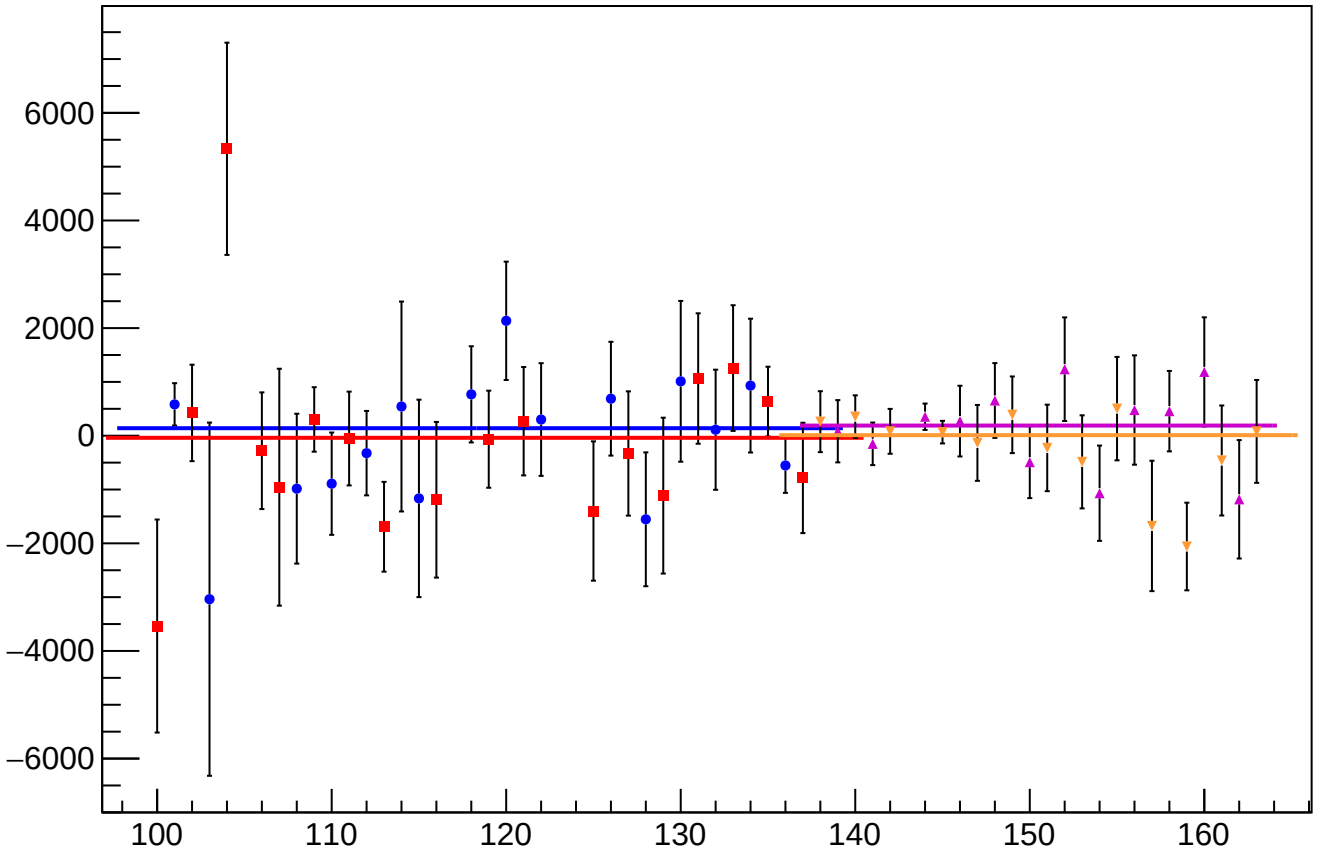
All: 99.141+/-0.013 χ^2/NDF: 7068349.4/58


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:9.8/12
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:21.4/11
Left: -0.000+/-0.000 χ²/NDF: 31.6/24
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:35.0/27
Out: -0.000+/-0.000 χ²/NDF:18.7/30
All: -0.000+/-0.000 χ²/NDF: 54.0/58


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1251948.3/12
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:888423.8/11
Left: 0.000+/-0.000 χ²/NDF: 2258914.3/24
Right: 0.000+/-0.000 χ²/NDF: 3975413.5/33
In: 0.000+/-0.000 χ²/NDF:2928235.4/27
Out: 0.000+/-0.000 χ²/NDF:4170414.3/30
All: 0.000+/-0.000 χ²/NDF: 7209437.8/58


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
Right In: 259.502+/-709.700 χ²/NDF: 19.4/15
Left Out: -442.859+/-537.824 χ²/NDF:17.0/12
Right Out: 159.330+/-712.314 χ²/NDF: 18.1/17
Left In: -228.658+/-539.331 χ²/NDF:13.7/11
Left: -336.058+/-380.831 χ²/NDF: 30.8/24
Right: 209.600+/-502.755 χ²/NDF: 37.5/33
In: -49.947+/-429.407 χ²/NDF:33.5/27
Out: -224.210+/-429.219 χ²/NDF:35.5/30
All: -137.117+/-303.570 χ²/NDF: 69.1/58


reg_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.417+/-0.380 χ²/NDF:689.0/12
Right Out: 1895.250+/-0.504 χ²/NDF: 250806.5/17
Left In: 1736.199+/-0.381 χ²/NDF:1880.4/11
Left: 1735.305+/-0.269 χ²/NDF: 2580.3/24
Right: 1880.155+/-0.356 χ²/NDF: 925321.0/33
In: 1783.414+/-0.304 χ²/NDF:716474.5/27
Out: 1792.814+/-0.304 χ²/NDF:316435.6/30
All: 1788.116+/-0.215 χ²/NDF: 1033389.6/58



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 10.042+/-141.235 χ^2/NDF:10.7/12

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 188.683+/-158.951 χ^2/NDF:8.6/11

Left: 88.857+/-105.579 χ^2/NDF: 20.0/24

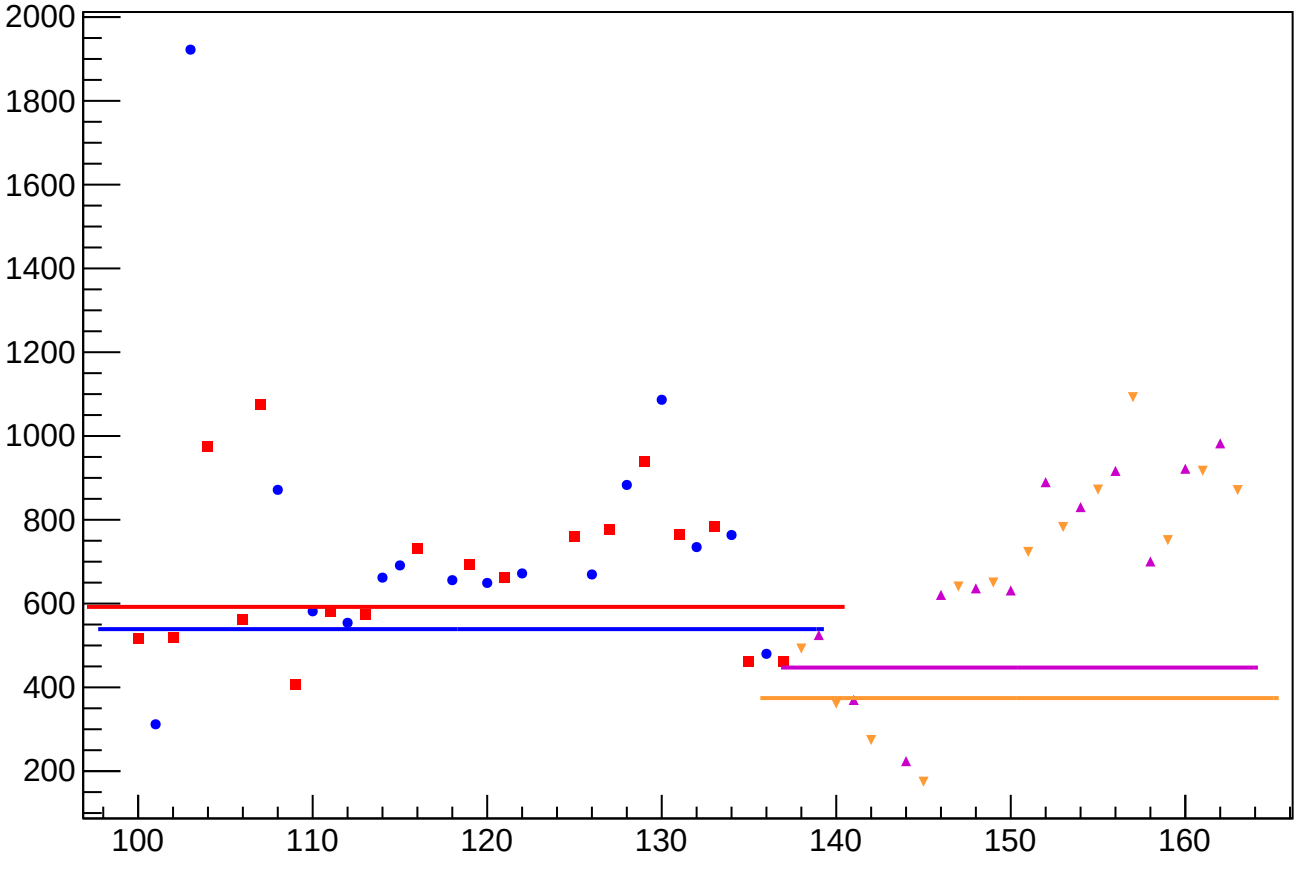
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 171.927+/-128.861 χ^2/NDF:22.1/27

Out: -2.614+/-121.493 χ^2/NDF:32.1/30

All: 79.524+/-88.399 χ^2/NDF: 55.2/58

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 374.433+/-0.100 χ^2/NDF:6191982.3/12

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 447.279+/-0.112 χ^2/NDF:4577419.0/11

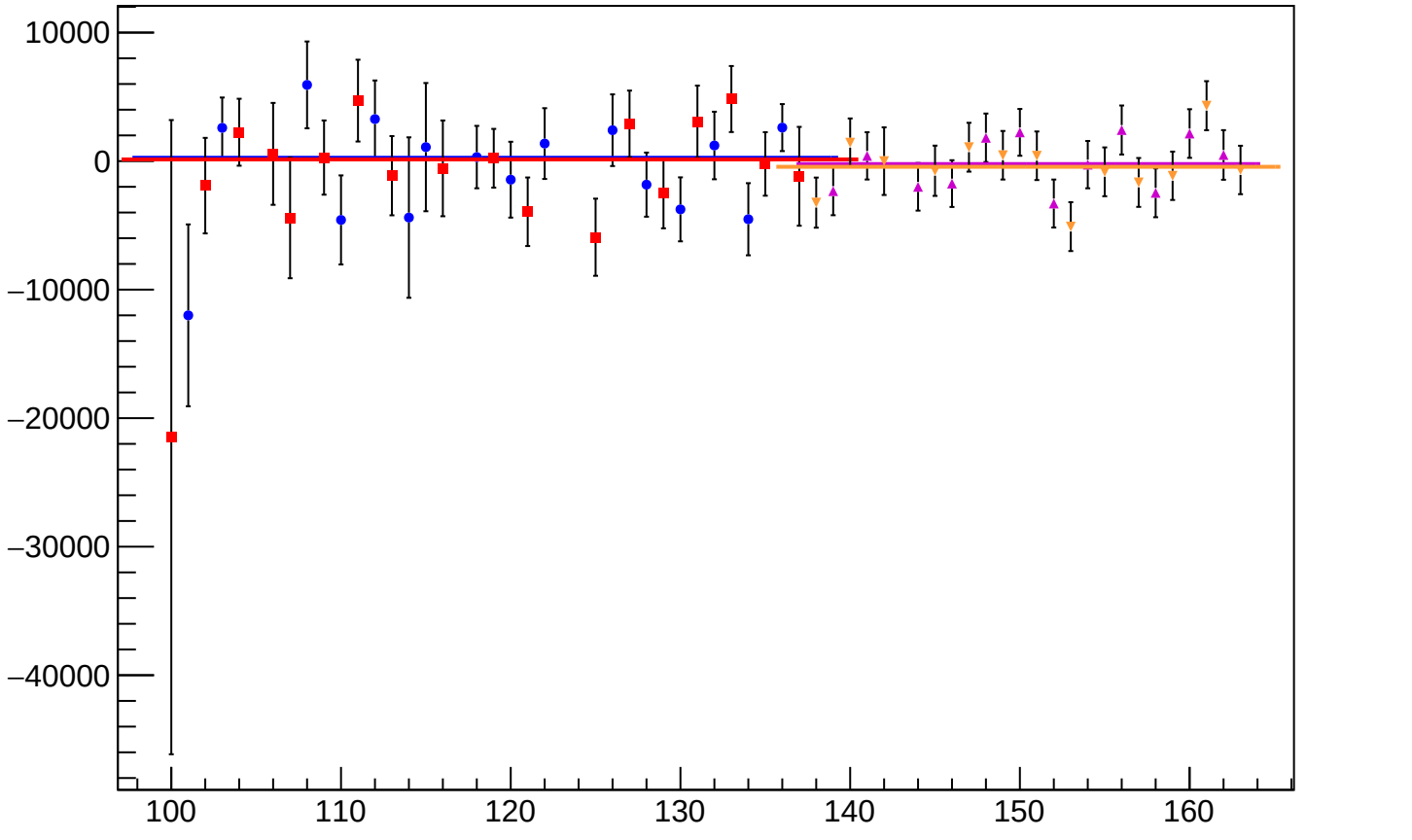
Left: 406.572+/-0.075 χ^2/NDF: 11004137.2/24

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 478.724+/-0.091 χ^2/NDF:6660342.0/27

Out: 431.033+/-0.086 χ^2/NDF:8270299.7/30

All: 453.476+/-0.063 χ^2/NDF: 15075666.6/58



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -228.713+/-539.331 χ^2/NDF:13.7/11

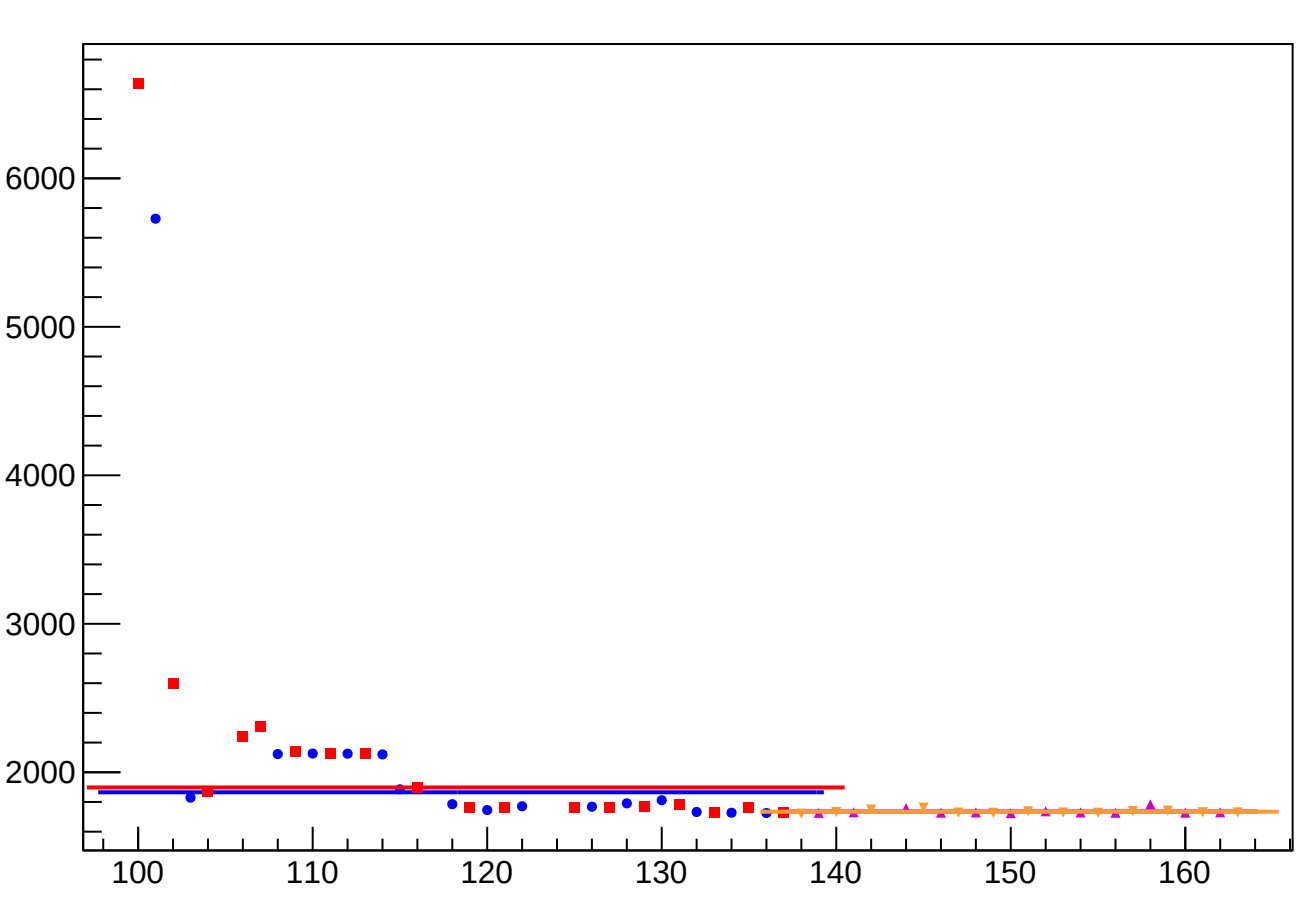
Left: -336.083+/-380.831 χ^2/NDF: 30.8/24

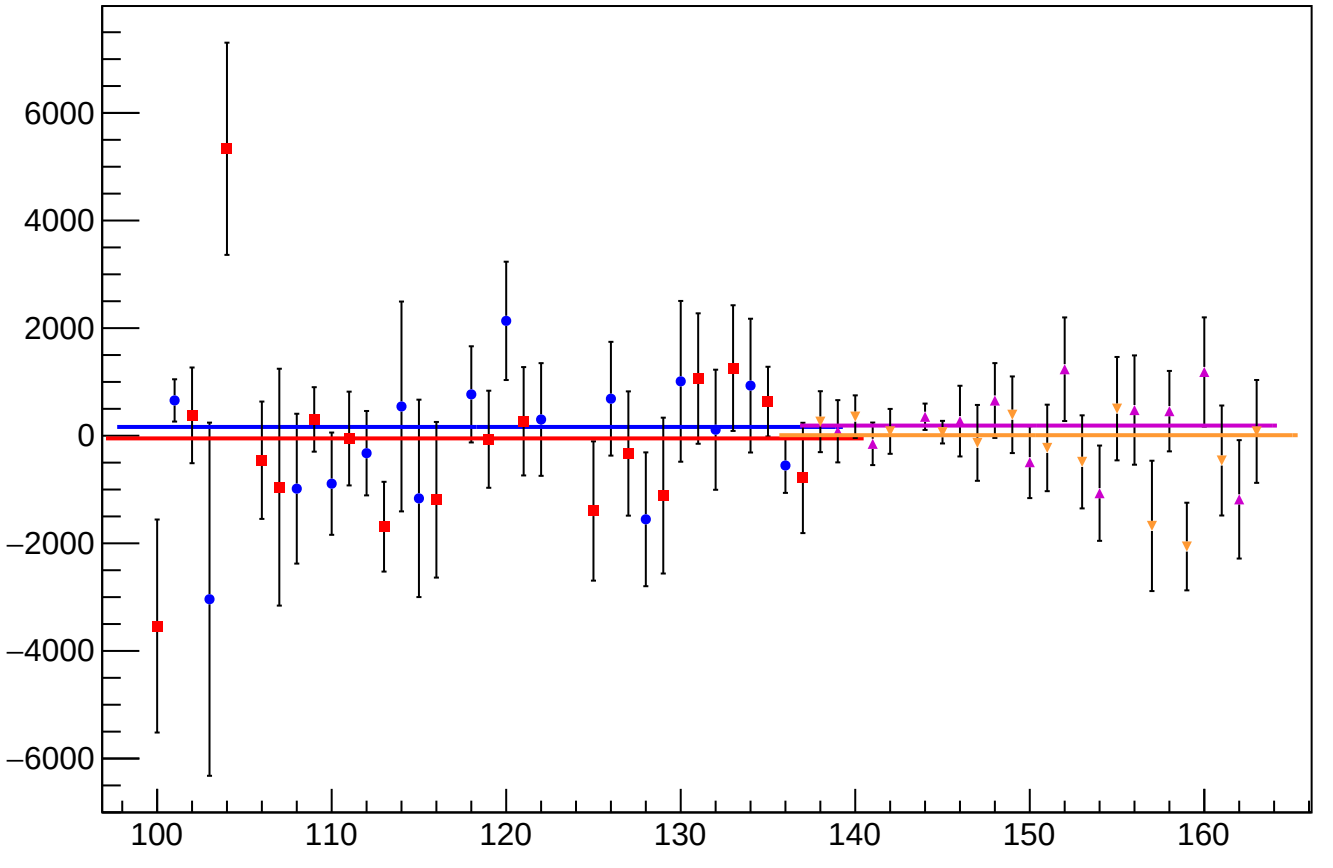
Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -49.913+/-429.407 χ^2/NDF:33.4/27

Out: -235.361+/-429.527 χ^2/NDF:35.4/30

All: -142.611+/-303.679 χ^2/NDF: 68.9/58


cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1734.417+/-0.380 χ²/NDF:689.0/12
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1736.199+/-0.381 χ²/NDF:1880.4/11
Left: 1735.305+/-0.269 χ²/NDF: 2580.3/24
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1783.414+/-0.304 χ²/NDF:716474.4/27
Out: 1793.555+/-0.304 χ²/NDF:325189.7/30
All: 1788.483+/-0.215 χ²/NDF: 1042221.6/58



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 9.889+/-141.238 χ^2/NDF:10.7/12

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 188.669+/-158.952 χ^2/NDF:8.6/11

Left: 88.766+/-105.580 χ^2/NDF: 20.0/24

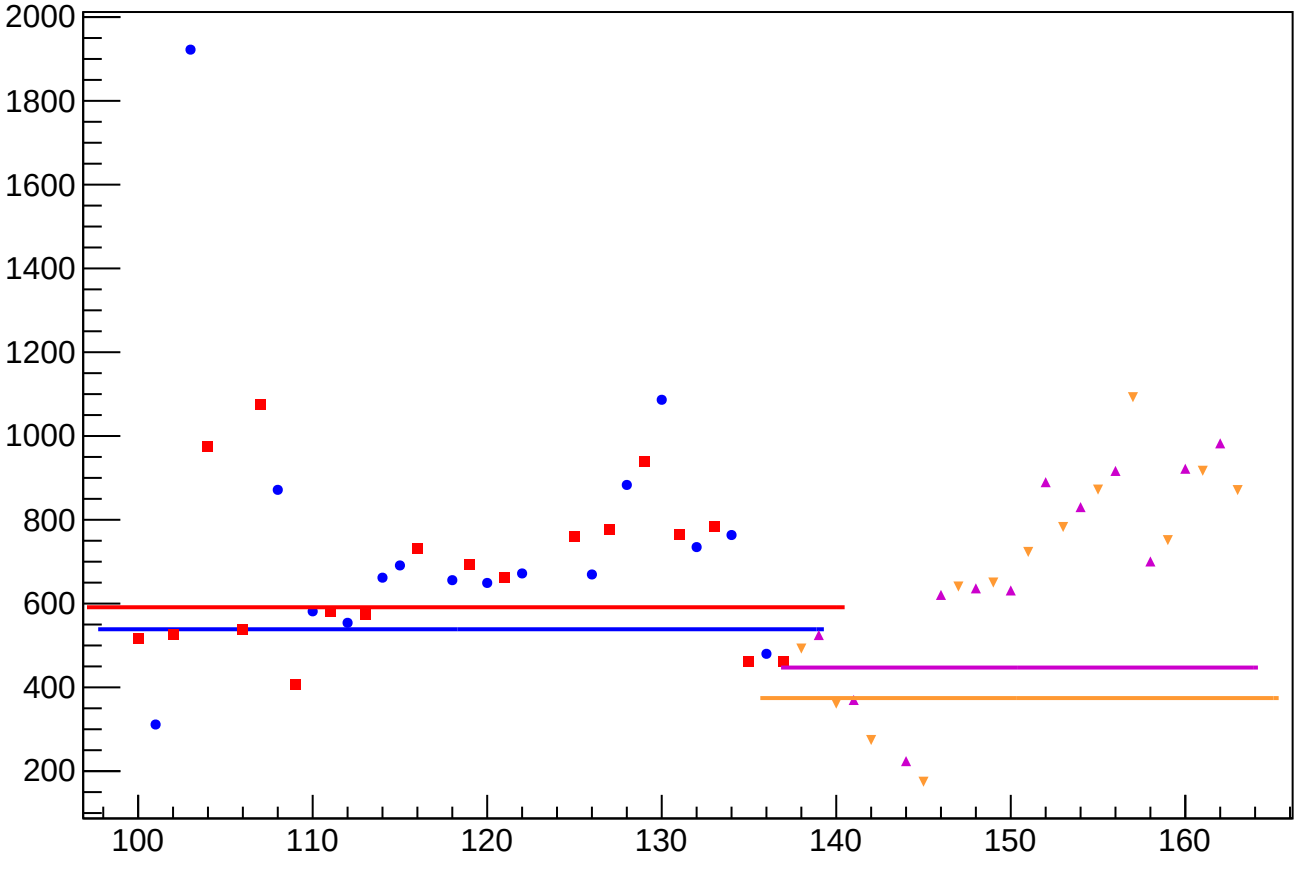
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 179.917+/-128.846 χ^2/NDF:22.6/27

Out: -5.590+/-121.487 χ^2/NDF:32.2/30

All: 81.715+/-88.392 χ^2/NDF: 55.8/58

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: 374.442+/-0.100 χ^2/NDF:6191751.0/12

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 447.288+/-0.112 χ^2/NDF:4577086.6/11

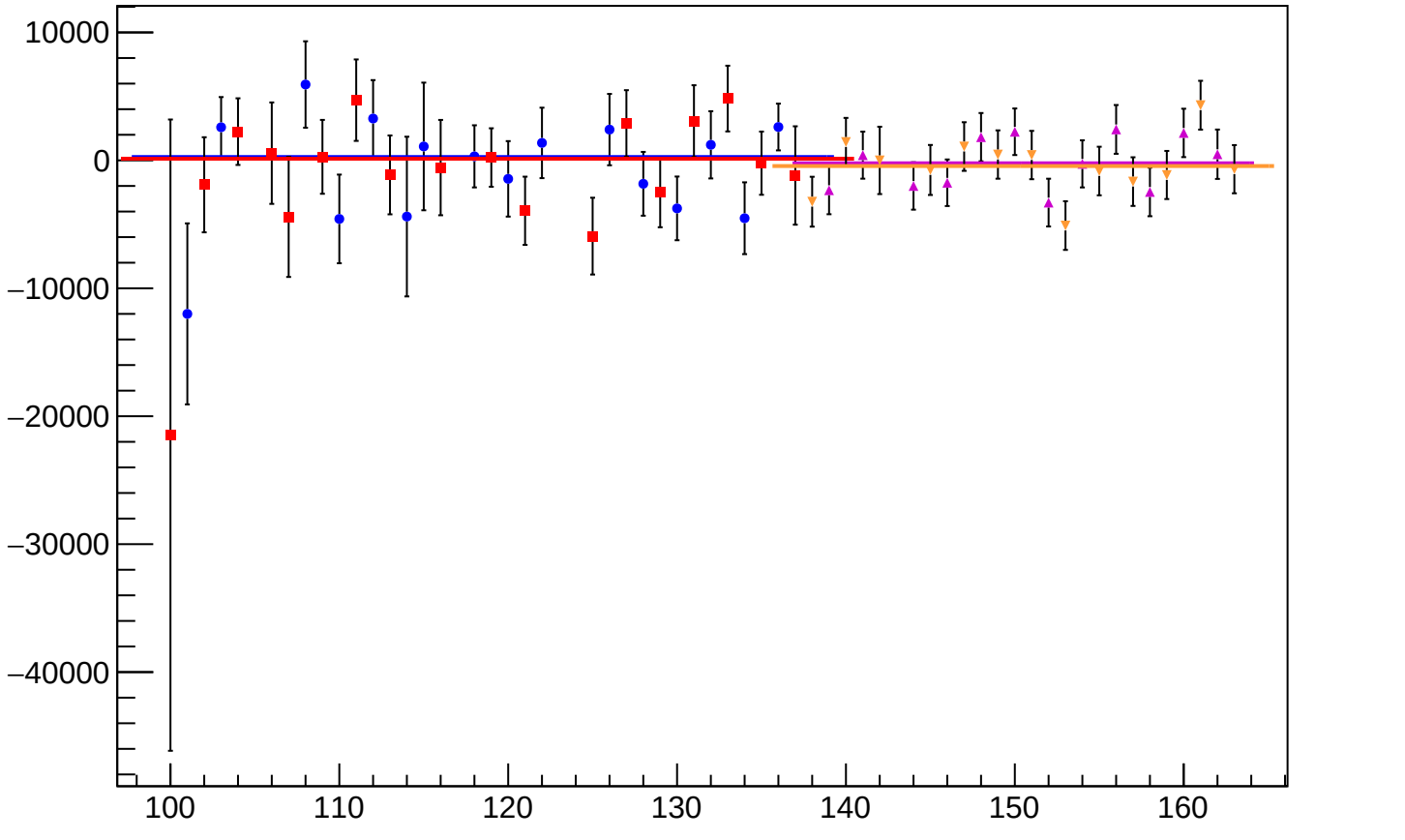
Left: 406.581+/-0.075 χ^2/NDF: 11003565.2/24

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 478.637+/-0.091 χ^2/NDF:6662831.2/27

Out: 430.837+/-0.086 χ^2/NDF:8262111.6/30

All: 453.333+/-0.063 χ^2/NDF: 15070654.2/58



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -442.853+/-537.824 χ^2/NDF:17.0/12

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -228.713+/-539.331 χ^2/NDF:13.7/11

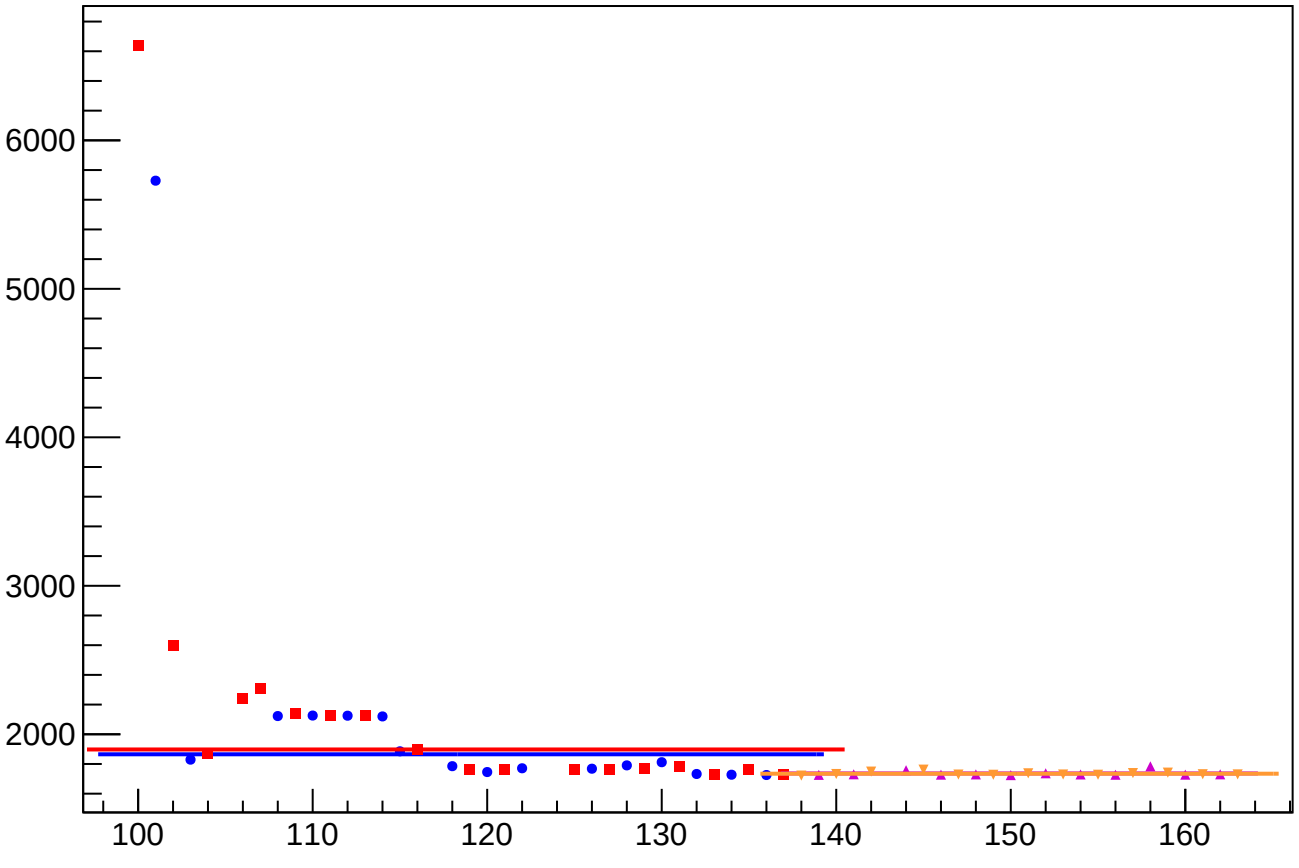
Left: -336.083+/-380.831 χ^2/NDF: 30.8/24

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -49.913+/-429.407 χ^2/NDF:33.4/27

Out: -235.361+/-429.527 χ^2/NDF:35.4/30

All: -142.611+/-303.679 χ^2/NDF: 68.9/58



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.417+/-0.380 χ^2/NDF:689.0/12

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1736.199+/-0.381 χ^2/NDF:1880.4/11

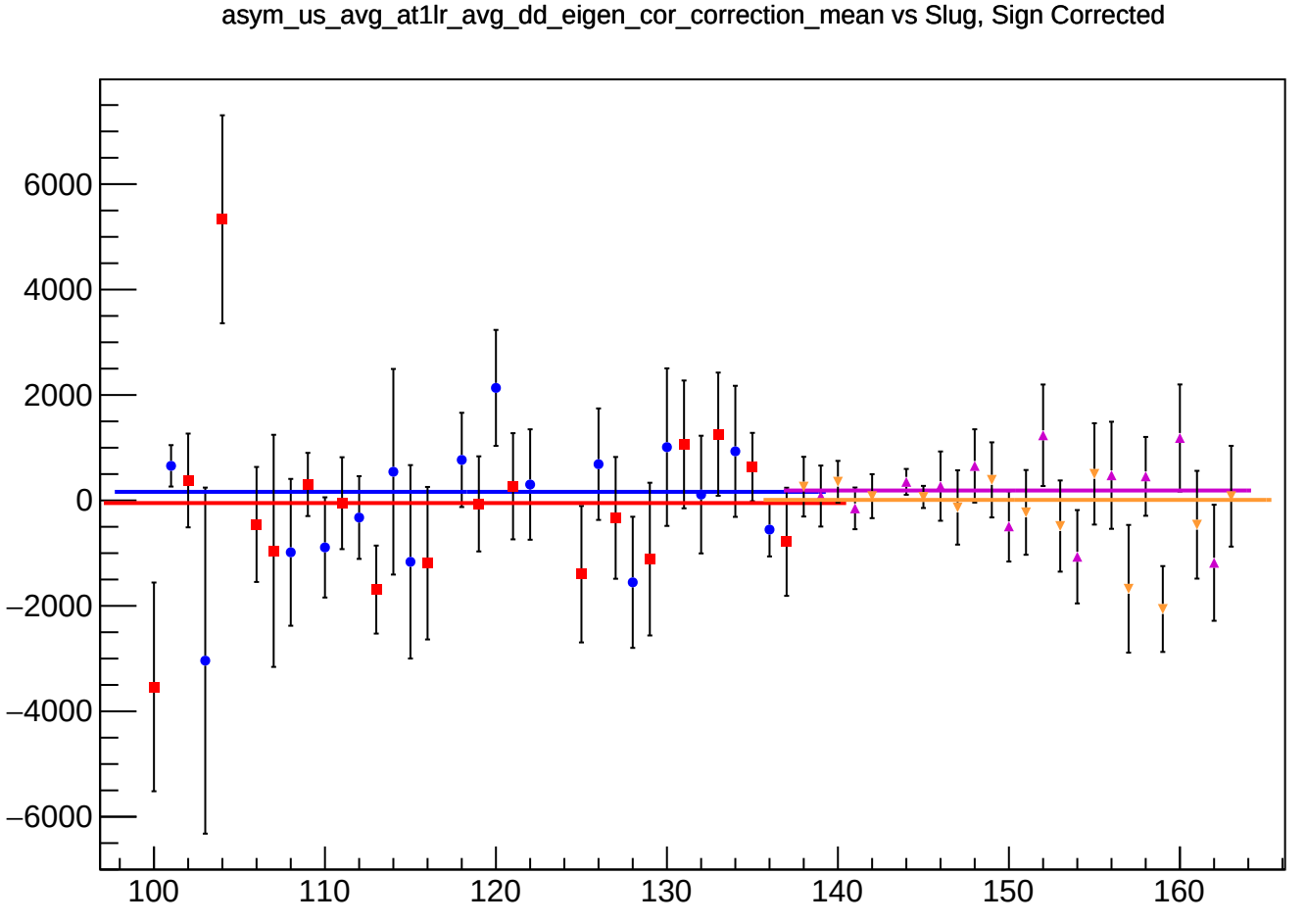
Left: 1735.305+/-0.269 χ^2/NDF: 2580.3/24

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

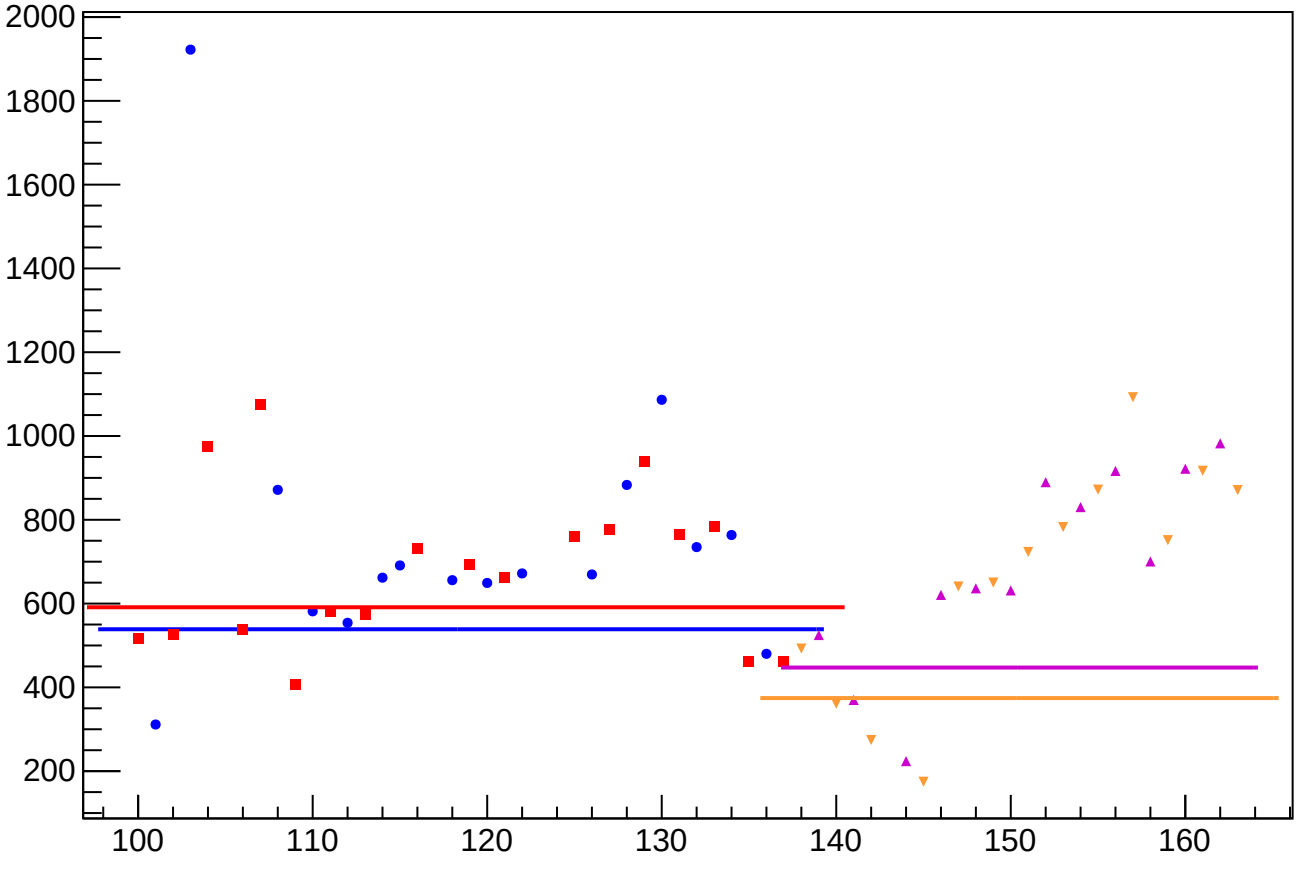
In: 1783.414+/-0.304 χ^2/NDF:716474.4/27

Out: 1793.555+/-0.304 χ^2/NDF:325189.7/30

All: 1788.483+/-0.215 χ^2/NDF: 1042221.6/58


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 163.149+/-220.024 χ²/NDF: 13.9/15
Left Out: 9.889+/-141.238 χ²/NDF:10.7/12
Right Out: -49.618+/-238.198 χ²/NDF: 21.4/17
Left In: 188.669+/-158.952 χ²/NDF:8.6/11
Left: 88.766+/-105.580 χ²/NDF: 20.0/24
Right: 65.191+/-161.624 χ²/NDF: 35.8/33
In: 179.917+/-128.846 χ²/NDF:22.6/27
Out: -5.590+/-121.487 χ²/NDF:32.2/30
All: 81.715+/-88.392 χ²/NDF: 55.8/58

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: 374.442+/-0.100 χ^2/NDF:6191751.0/12

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 447.288+/-0.112 χ^2/NDF:4577086.6/11

Left: 406.581+/-0.075 χ^2/NDF: 11003565.2/24

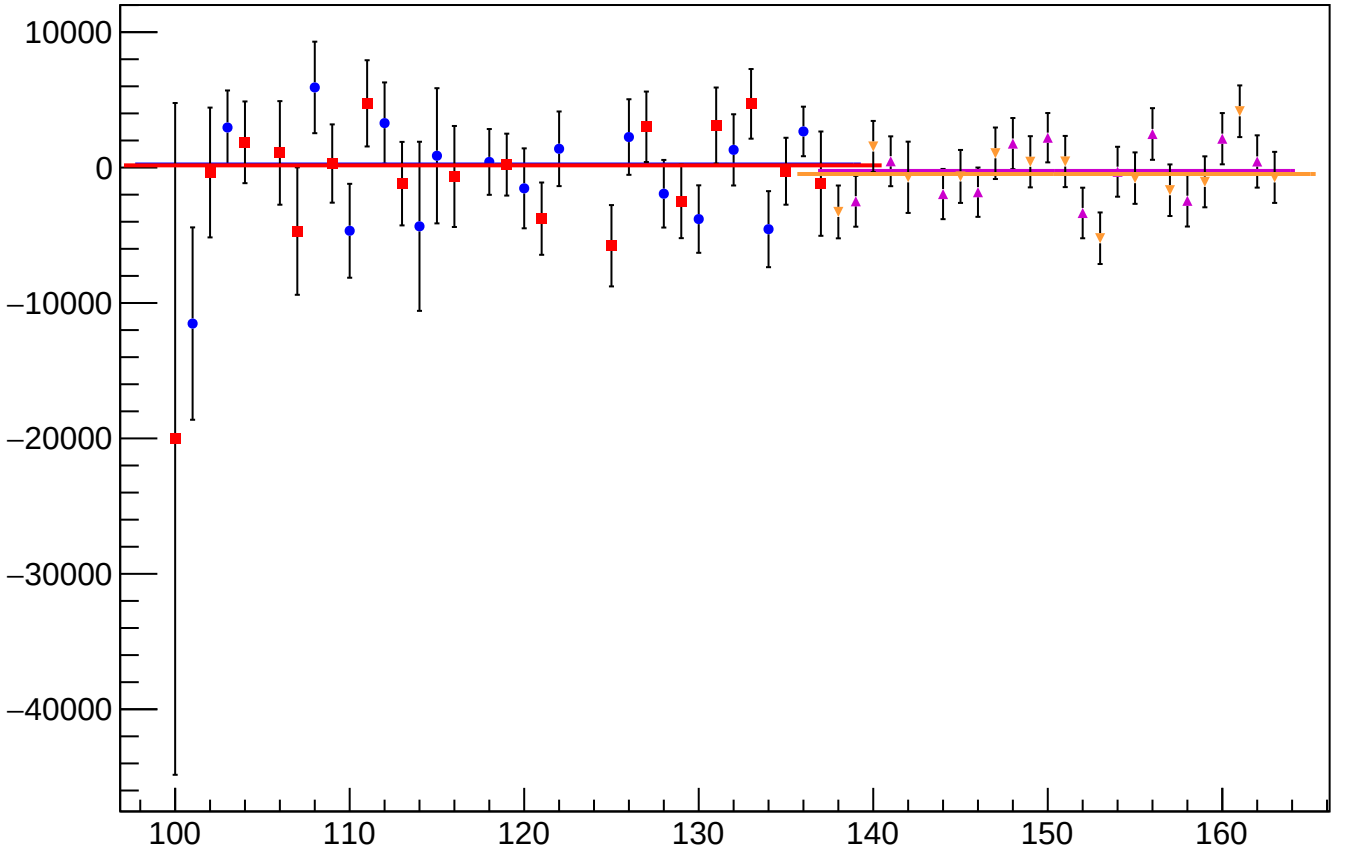
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 478.637+/-0.091 χ^2/NDF:6662831.2/27

Out: 430.837+/-0.086 χ^2/NDF:8262111.6/30

All: 453.333+/-0.063 χ^2/NDF: 15070654.2/58

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -474.100+/-538.184 χ^2/NDF:17.0/12

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -249.449+/-539.667 χ^2/NDF:14.0/11

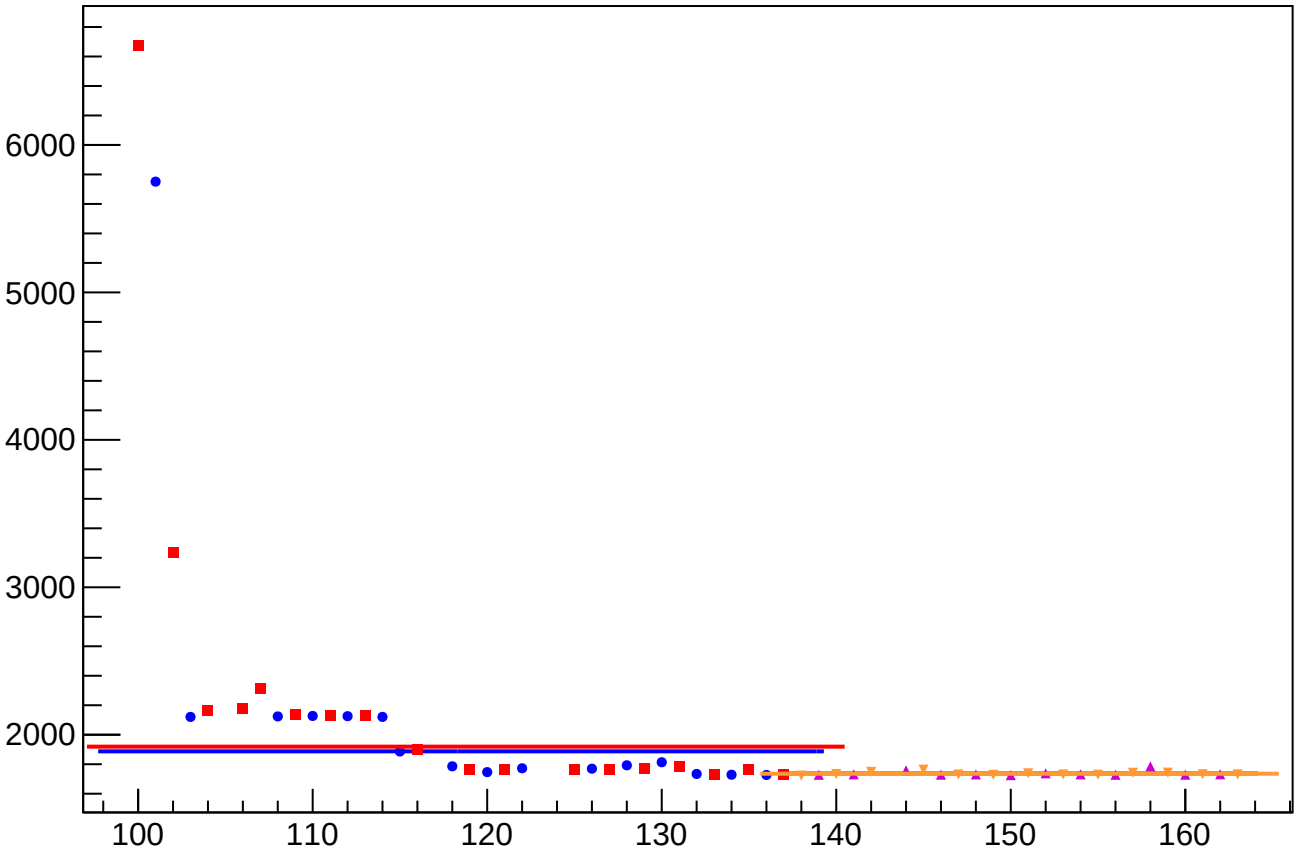
Left: -362.084+/-381.077 χ^2/NDF: 31.1/24

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -77.901+/-431.517 χ^2/NDF:33.7/27

Out: -247.825+/-432.303 χ^2/NDF:34.5/30

All: -162.708+/-305.406 χ^2/NDF: 68.3/58



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1735.573+/-0.381 χ^2/NDF:694.8/12

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1737.278+/-0.382 χ^2/NDF:1880.1/11

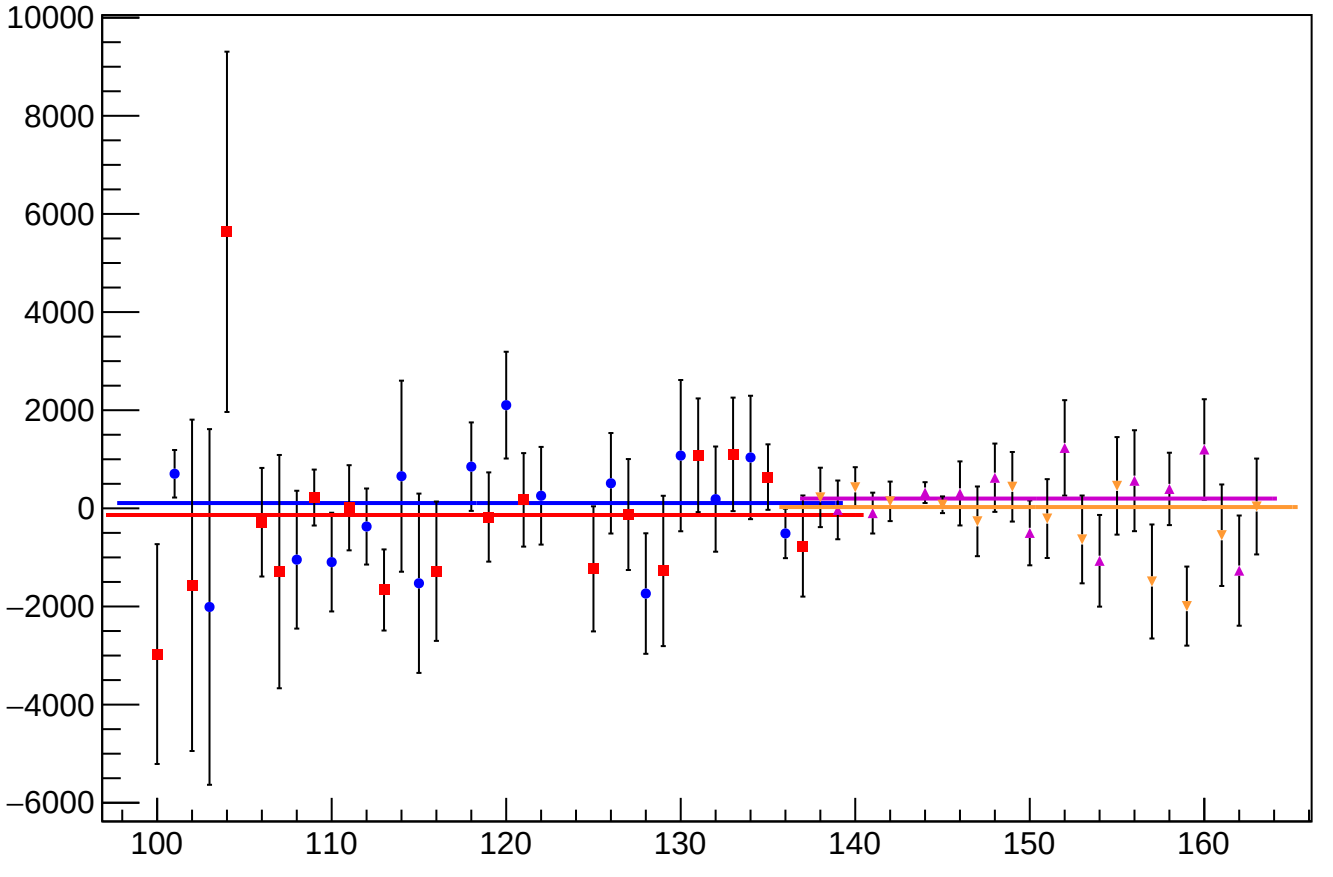
Left: 1736.423+/-0.269 χ^2/NDF: 2585.0/24

Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1791.386+/-0.305 χ^2/NDF:747069.7/27

Out: 1800.705+/-0.306 χ^2/NDF:435831.2/30

All: 1796.037+/-0.216 χ^2/NDF: 1183366.4/58



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 26.274+/-127.665 χ^2/NDF:10.8/12

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 199.530+/-150.444 χ^2/NDF:8.3/11

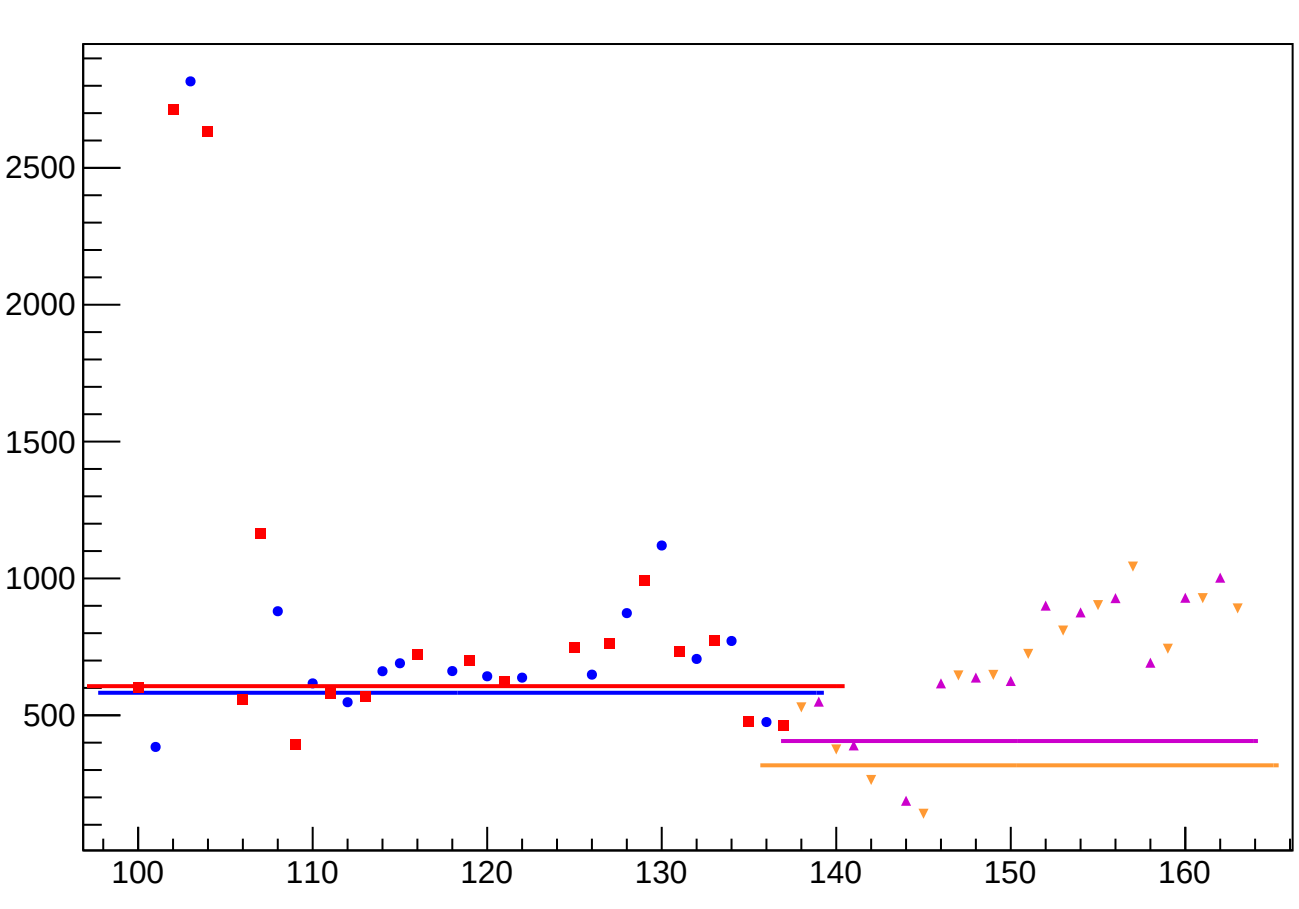
Left: 98.806+/-97.341 χ^2/NDF: 19.9/24

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 172.426+/-126.181 χ^2/NDF:22.6/27

Out: -8.036+/-113.308 χ^2/NDF:25.5/30

All: 72.523+/-84.306 χ^2/NDF: 49.3/58



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 317.217+/-0.090 χ^2/NDF:7878899.6/12

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 405.943+/-0.106 χ^2/NDF:5810223.8/11

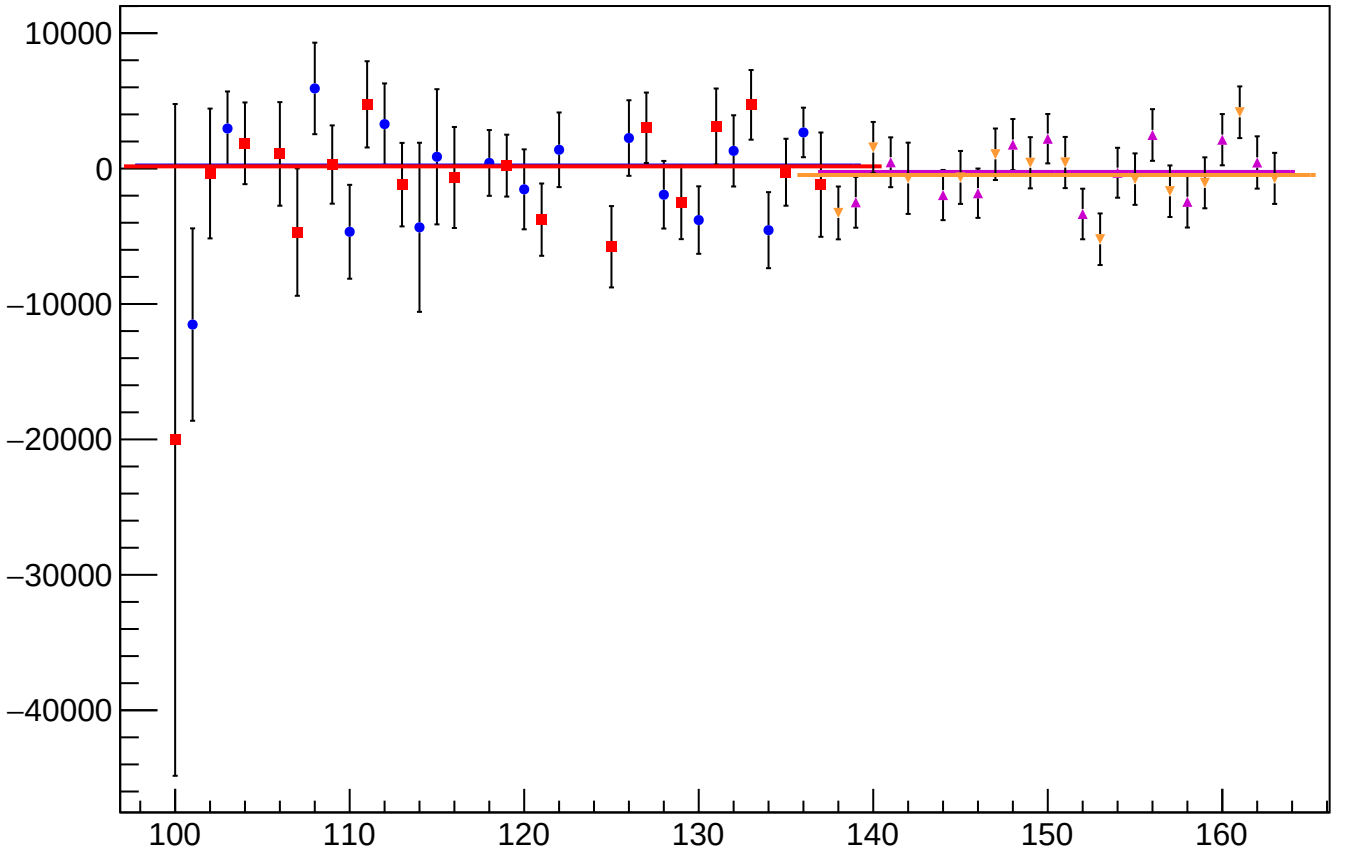
Left: 354.361+/-0.069 χ^2/NDF: 14093533.8/24

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 458.232+/-0.089 χ^2/NDF:8379253.0/27

Out: 378.613+/-0.080 χ^2/NDF:12256364.2/30

All: 414.155+/-0.060 χ^2/NDF: 21076447.4/58



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -474.104+/-538.184 χ^2/NDF:17.0/12

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -249.447+/-539.667 χ^2/NDF:14.0/11

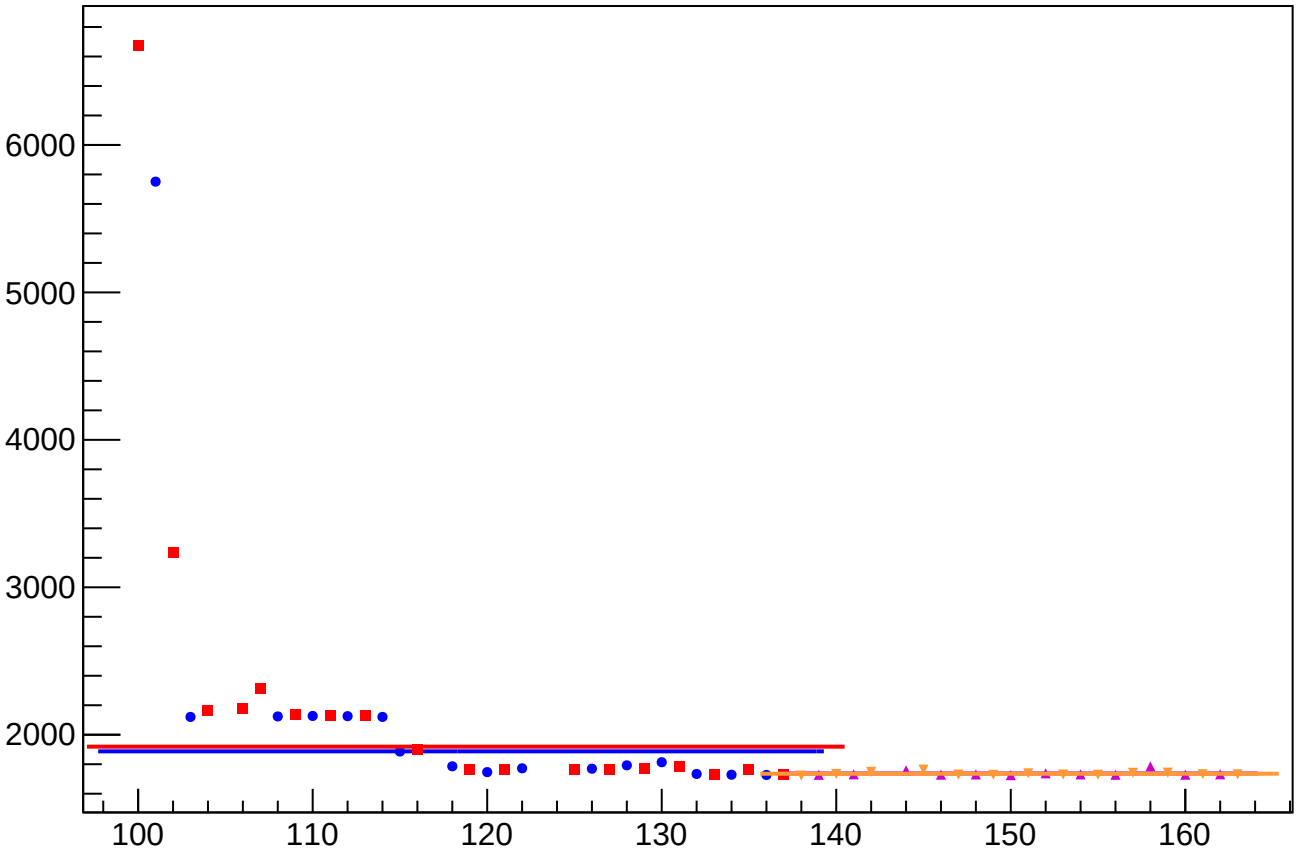
Left: -362.085+/-381.077 χ^2/NDF: 31.1/24

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -77.899+/-431.517 χ^2/NDF:33.7/27

Out: -247.828+/-432.303 χ^2/NDF:34.5/30

All: -162.709+/-305.406 χ^2/NDF: 68.3/58



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.573+/-0.381 χ^2/NDF:694.8/12

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1737.278+/-0.382 χ^2/NDF:1880.1/11

Left: 1736.423+/-0.269 χ^2/NDF: 2585.0/24

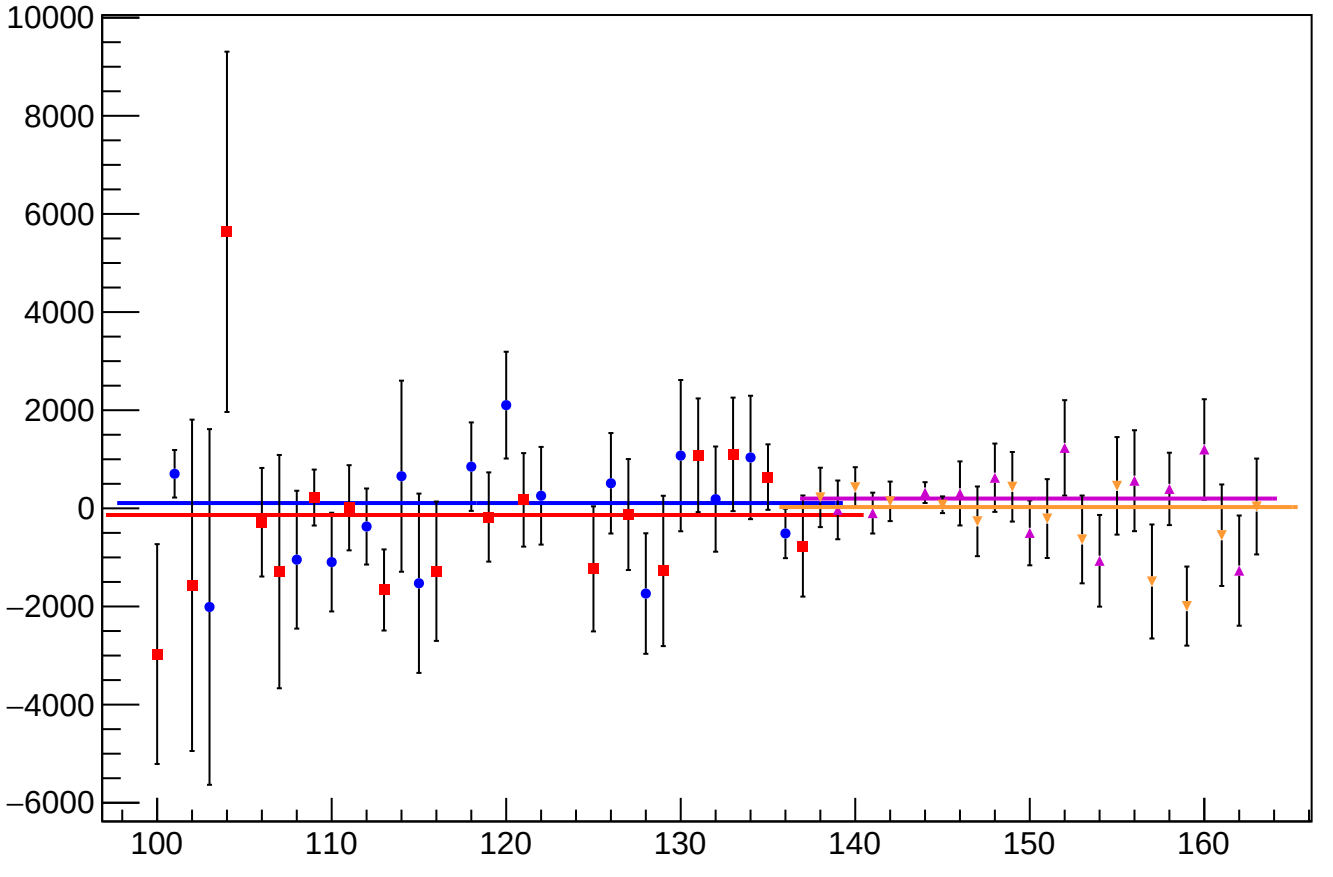
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1791.386+/-0.305 χ^2/NDF:747069.3/27

Out: 1800.705+/-0.306 χ^2/NDF:435830.3/30

All: 1796.037+/-0.216 χ^2/NDF: 1183365.2/58

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: 26.272+/-127.666 χ^2/NDF:10.8/12

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 199.530+/-150.444 χ^2/NDF:8.3/11

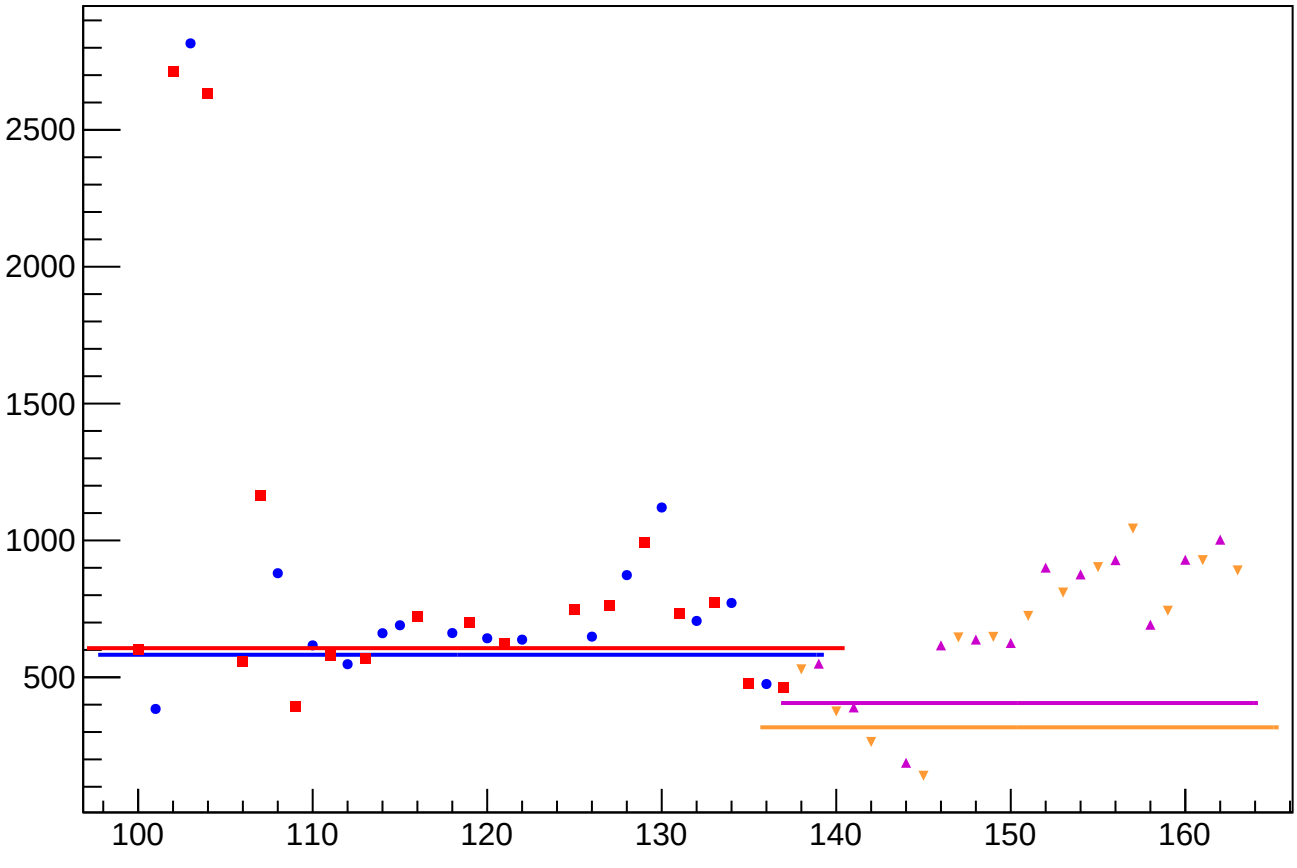
Left: 98.805+/-97.341 χ^2/NDF: 19.9/24

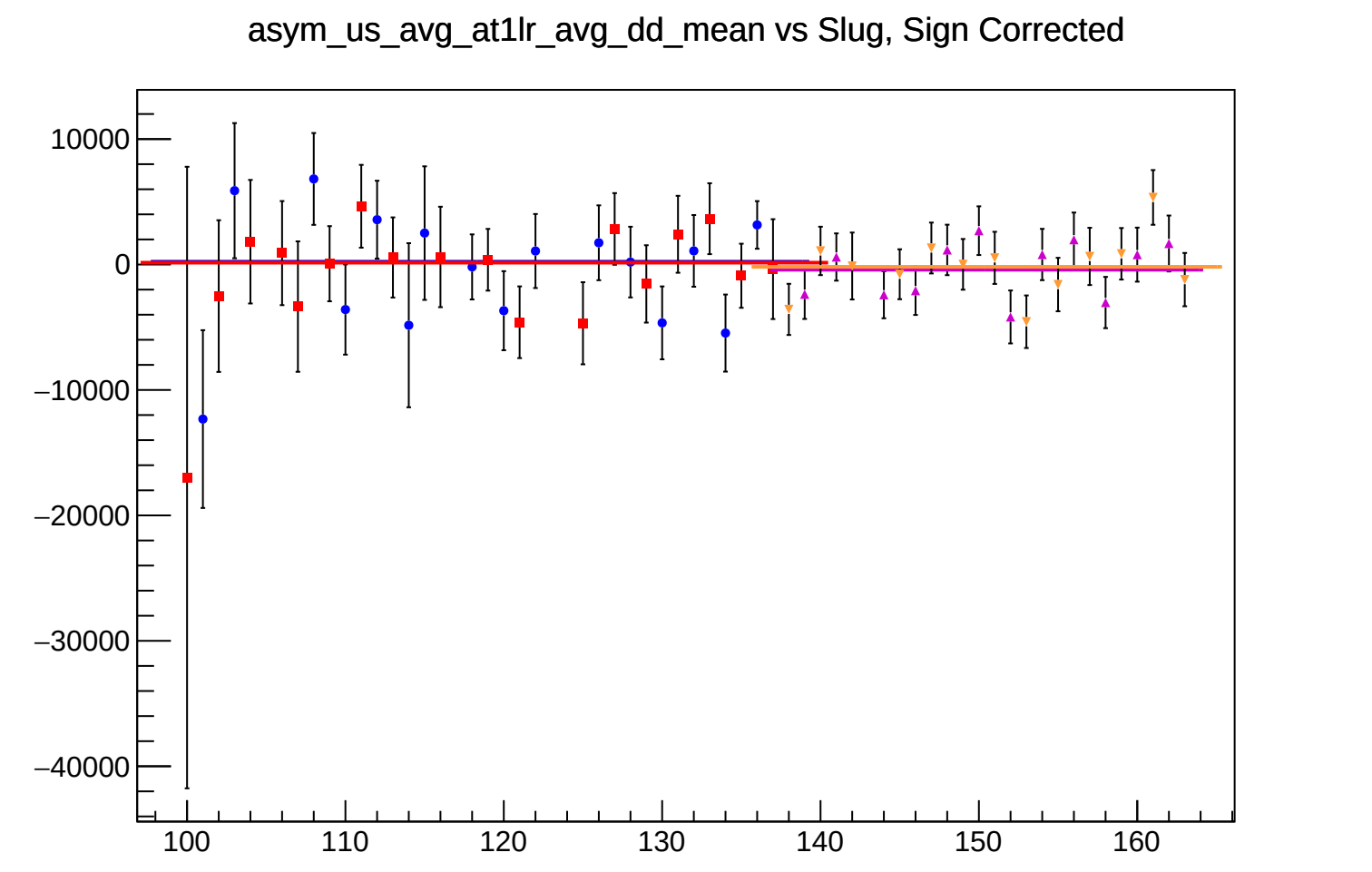
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 172.425+/-126.181 χ^2/NDF:22.6/27

Out: -8.037+/-113.308 χ^2/NDF:25.5/30

All: 72.522+/-84.306 χ^2/NDF: 49.3/58


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
Right In: 582.268+/-0.164 χ²/NDF: 1754289.3/15
Left Out: 317.217+/-0.090 χ²/NDF:7878930.0/12
Right Out: 606.447+/-0.174 χ²/NDF: 2198414.3/17
Left In: 405.943+/-0.106 χ²/NDF:5810243.6/11
Left: 354.361+/-0.069 χ²/NDF: 14093587.9/24
Right: 593.638+/-0.119 χ²/NDF: 3962944.4/33
In: 458.232+/-0.089 χ²/NDF:8379243.1/27
Out: 378.613+/-0.080 χ²/NDF:12256372.6/30
All: 414.155+/-0.060 χ²/NDF: 21076450.9/58



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -184.313+/-584.174 χ^2/NDF:15.8/12

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -416.551+/-583.653 χ^2/NDF:13.9/11

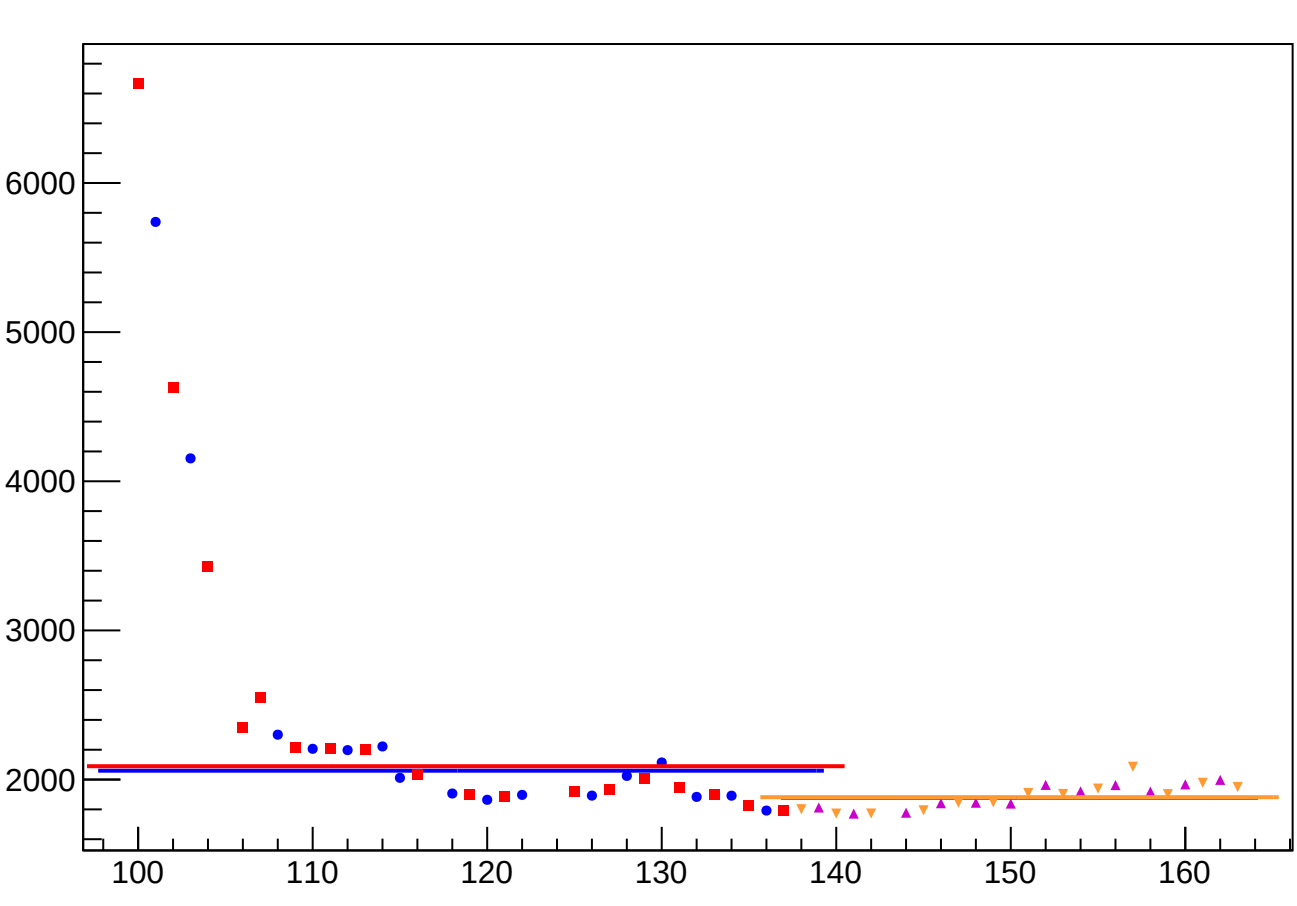
Left: -300.536+/-412.889 χ^2/NDF: 29.8/24

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -190.811+/-469.785 χ^2/NDF:35.5/27

Out: -67.648+/-470.579 χ^2/NDF:27.5/30

All: -129.334+/-332.469 χ^2/NDF: 63.1/58



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1881.586+/-0.413 χ^2/NDF:42289.9/12

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1877.241+/-0.413 χ^2/NDF:33750.6/11

Left: 1879.412+/-0.292 χ^2/NDF: 76096.0/24

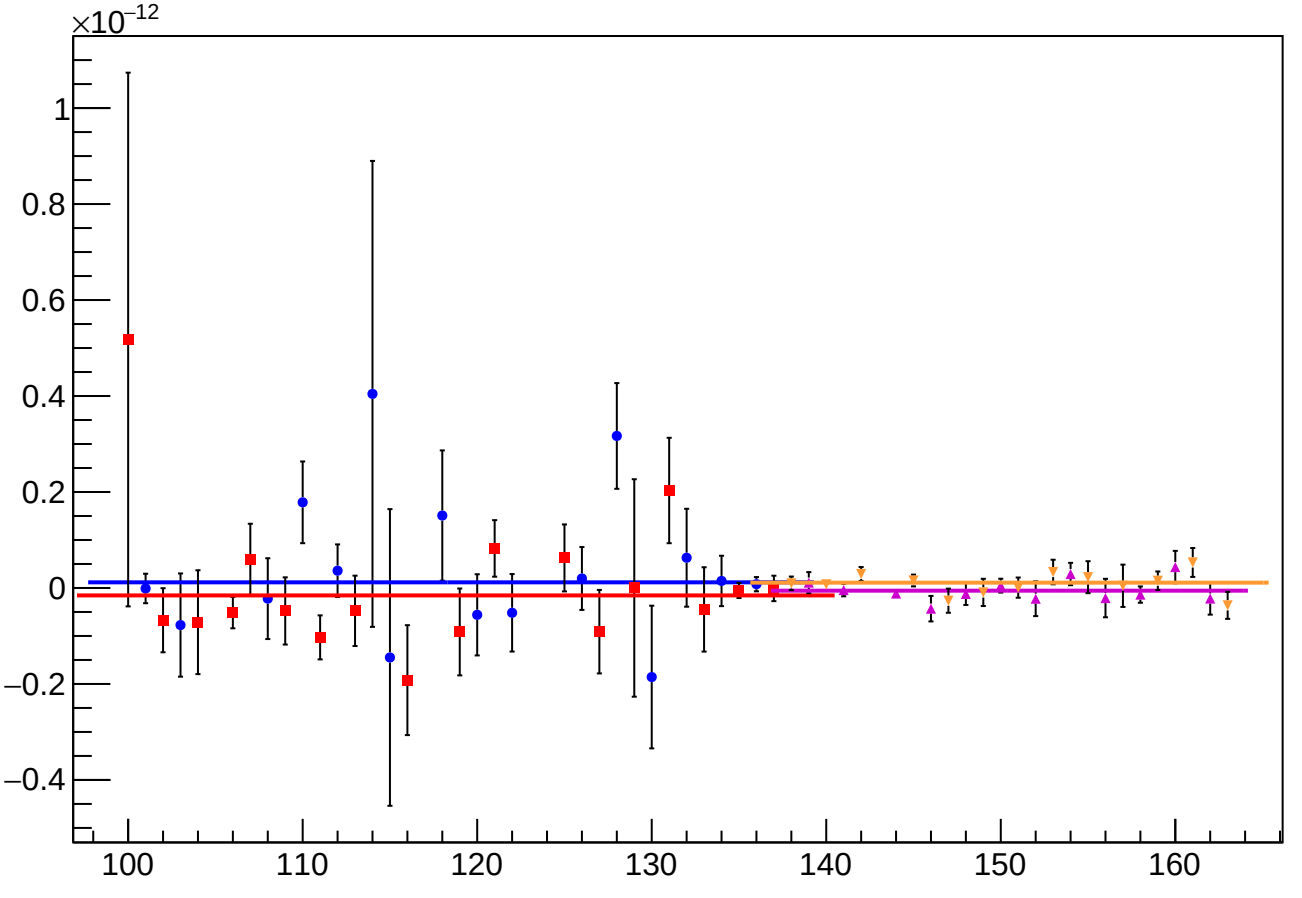
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1941.418+/-0.332 χ^2/NDF:1042296.7/27

Out: 1954.576+/-0.333 χ^2/NDF:812684.2/30

All: 1947.986+/-0.235 χ^2/NDF: 1855764.1/58

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.5/12

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:8.8/11

Left: 0.000+/-0.000 χ^2/NDF: 24.7/24

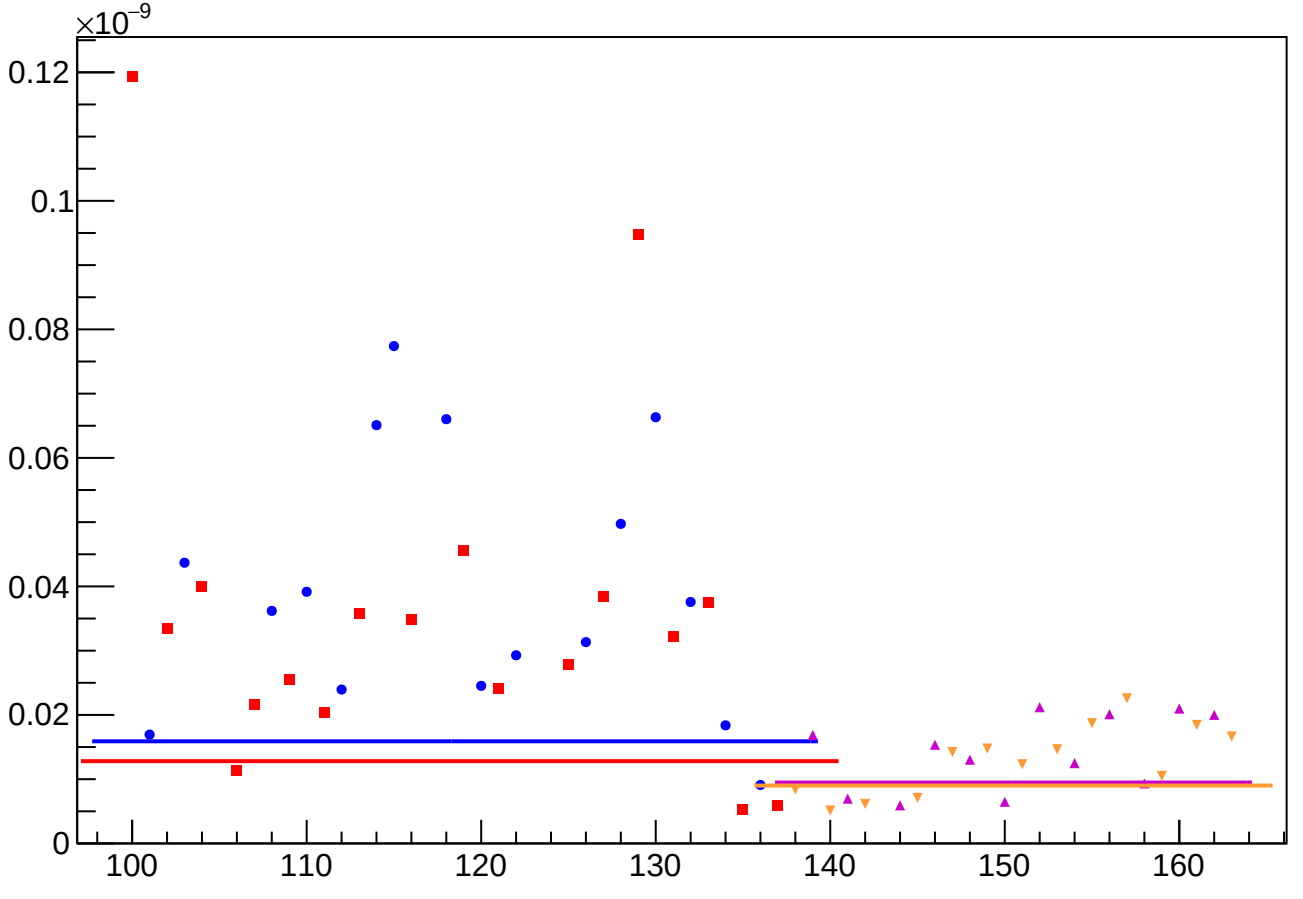
Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:28.7/27

Out: 0.000+/-0.000 χ^2/NDF:36.4/30

All: 0.000+/-0.000 χ^2/NDF: 66.9/58

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1486386.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1639280.0/11

Left: 0.000+/-0.000 χ^2/NDF: 3134188.8/24

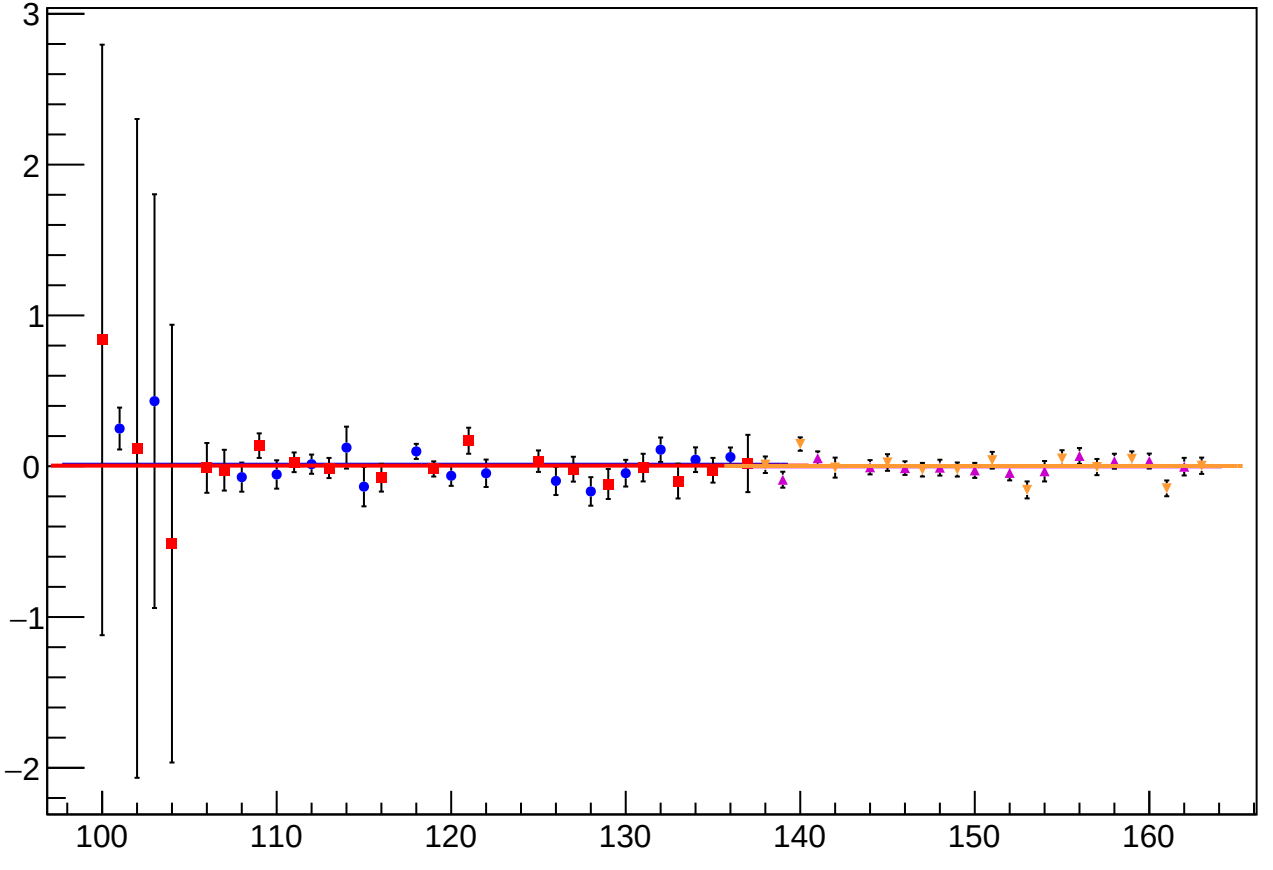
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4084248.6/27

Out: 0.000+/-0.000 χ^2/NDF:4180459.4/30

All: 0.000+/-0.000 χ^2/NDF: 8301313.9/58

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.015 χ^2/NDF:8.3/11

Left: 0.000+/-0.010 χ^2/NDF: 37.9/24

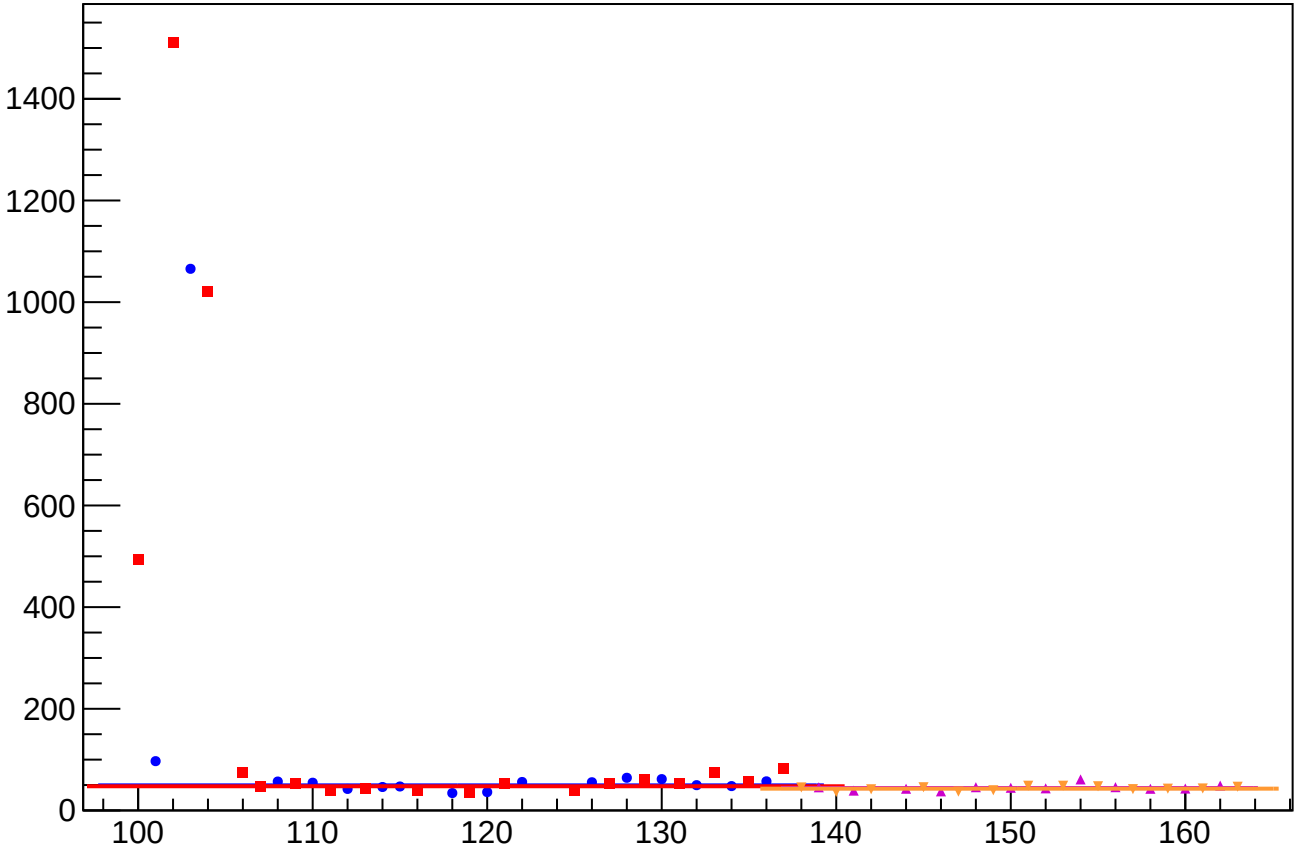
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/27

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.003+/-0.008 χ^2/NDF: 67.1/58

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.898+/-0.010 χ^2/NDF:162056.5/12

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.031+/-0.010 χ^2/NDF:215210.0/11

Left: 43.457+/-0.007 χ^2/NDF: 383300.6/24

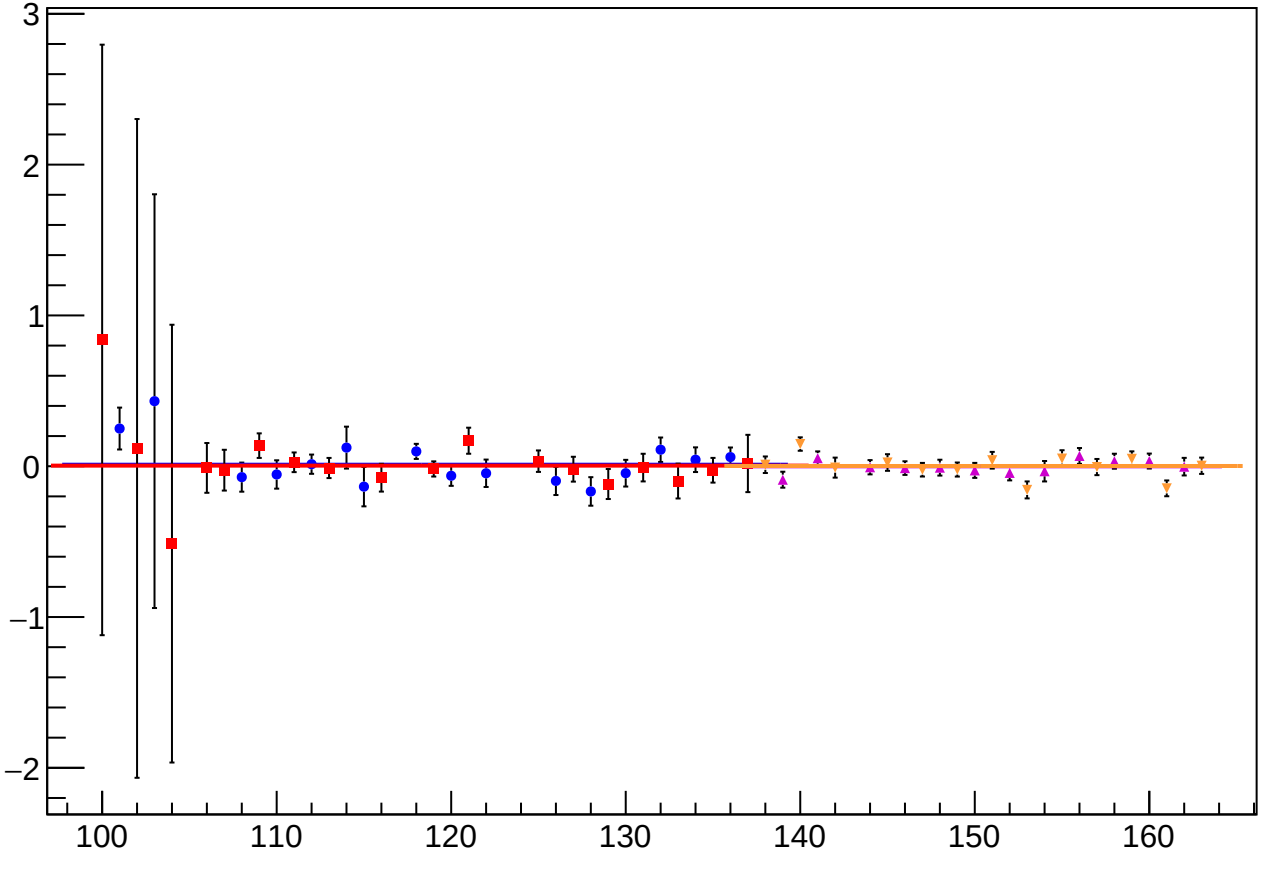
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.776+/-0.009 χ^2/NDF:2078100.2/27

Out: 44.366+/-0.008 χ^2/NDF:2646106.4/30

All: 45.070+/-0.006 χ^2/NDF: 4737977.5/58

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.015 χ^2/NDF:8.3/11

Left: 0.000+/-0.010 χ^2/NDF: 37.9/24

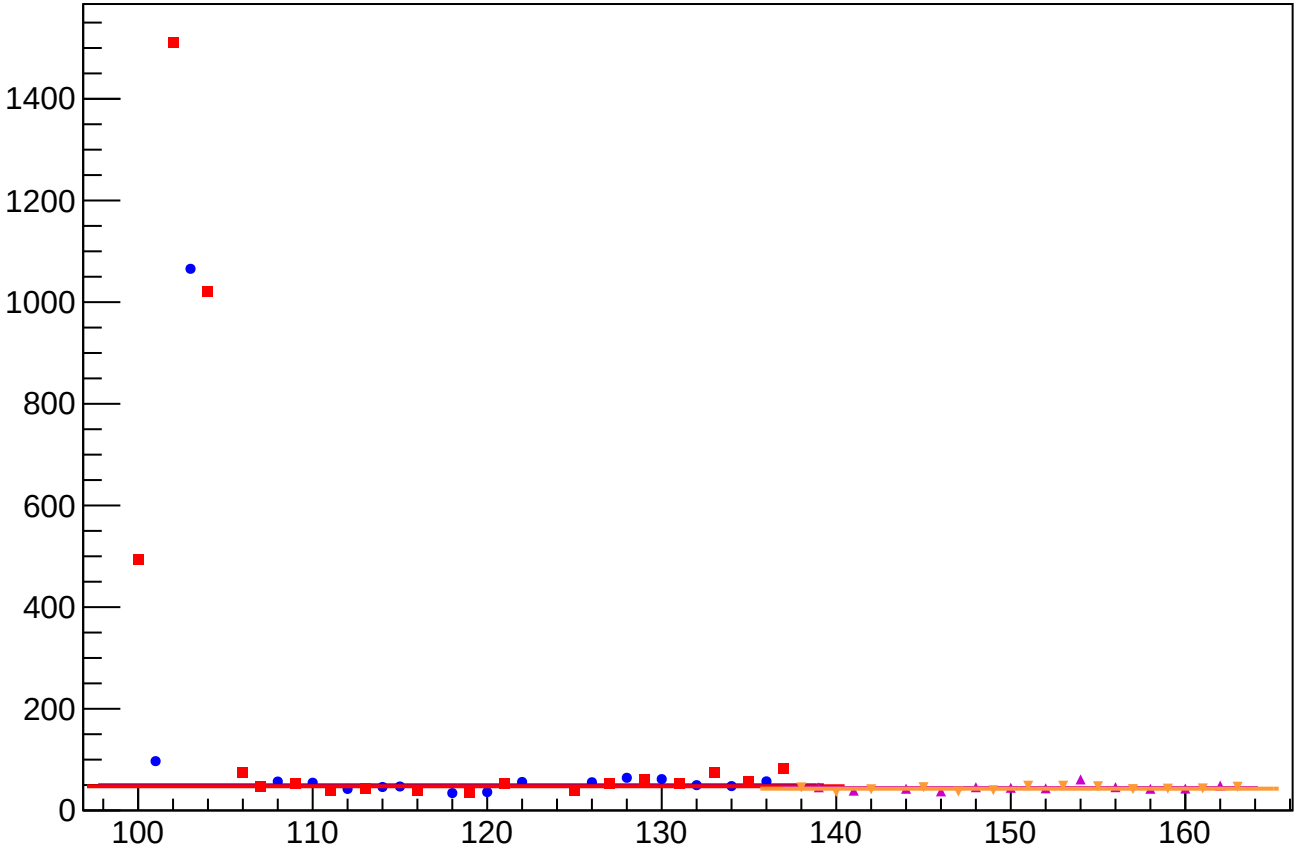
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/27

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.003+/-0.008 χ^2/NDF: 67.1/58

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.898+/-0.010 χ^2/NDF:162056.5/12

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.031+/-0.010 χ^2/NDF:215210.0/11

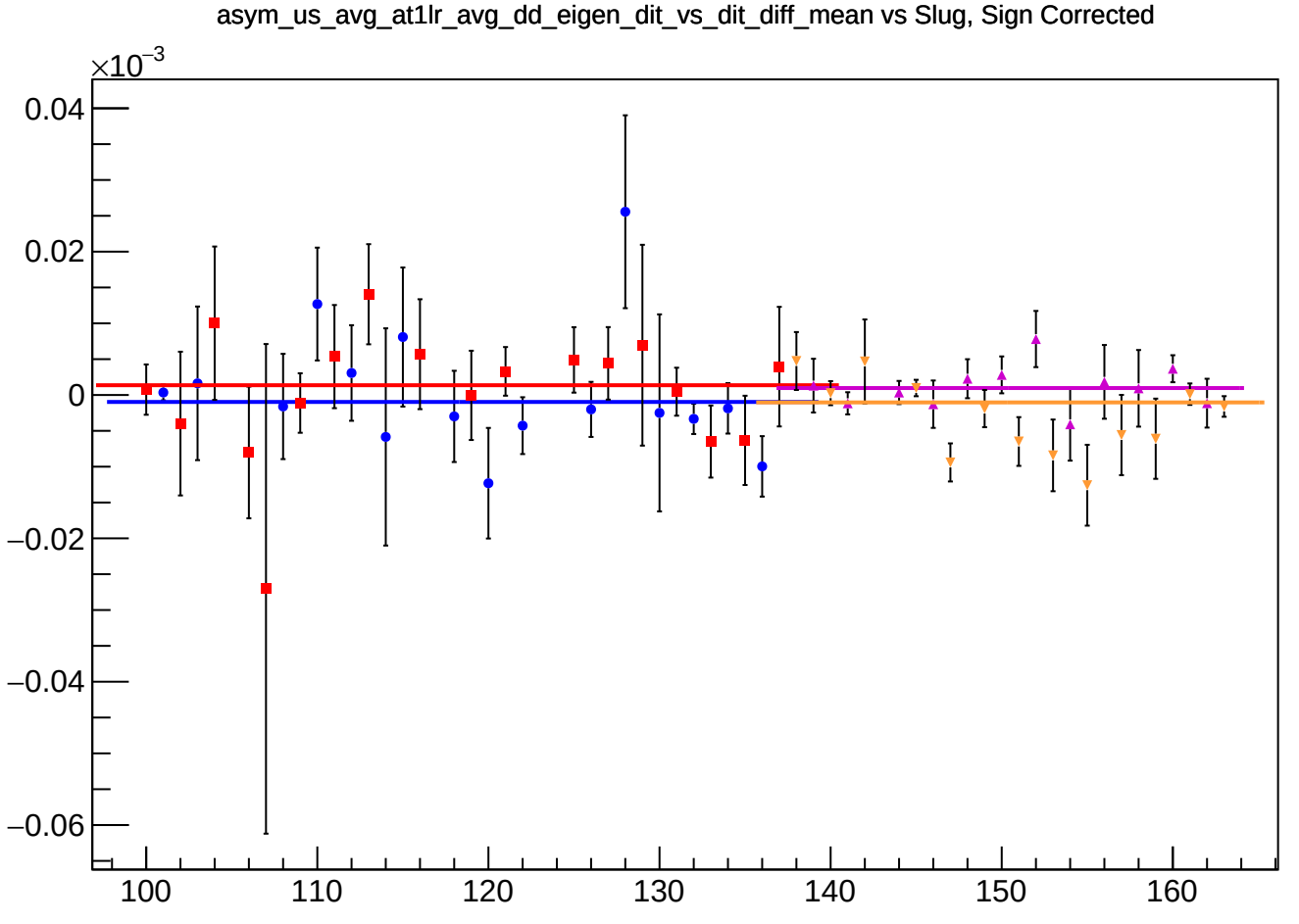
Left: 43.457+/-0.007 χ^2/NDF: 383300.6/24

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.776+/-0.009 χ^2/NDF:2078100.2/27

Out: 44.366+/-0.008 χ^2/NDF:2646106.4/30

All: 45.070+/-0.006 χ^2/NDF: 4737977.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:9.8/11

Left: -0.000+/-0.000 χ^2/NDF: 41.9/24

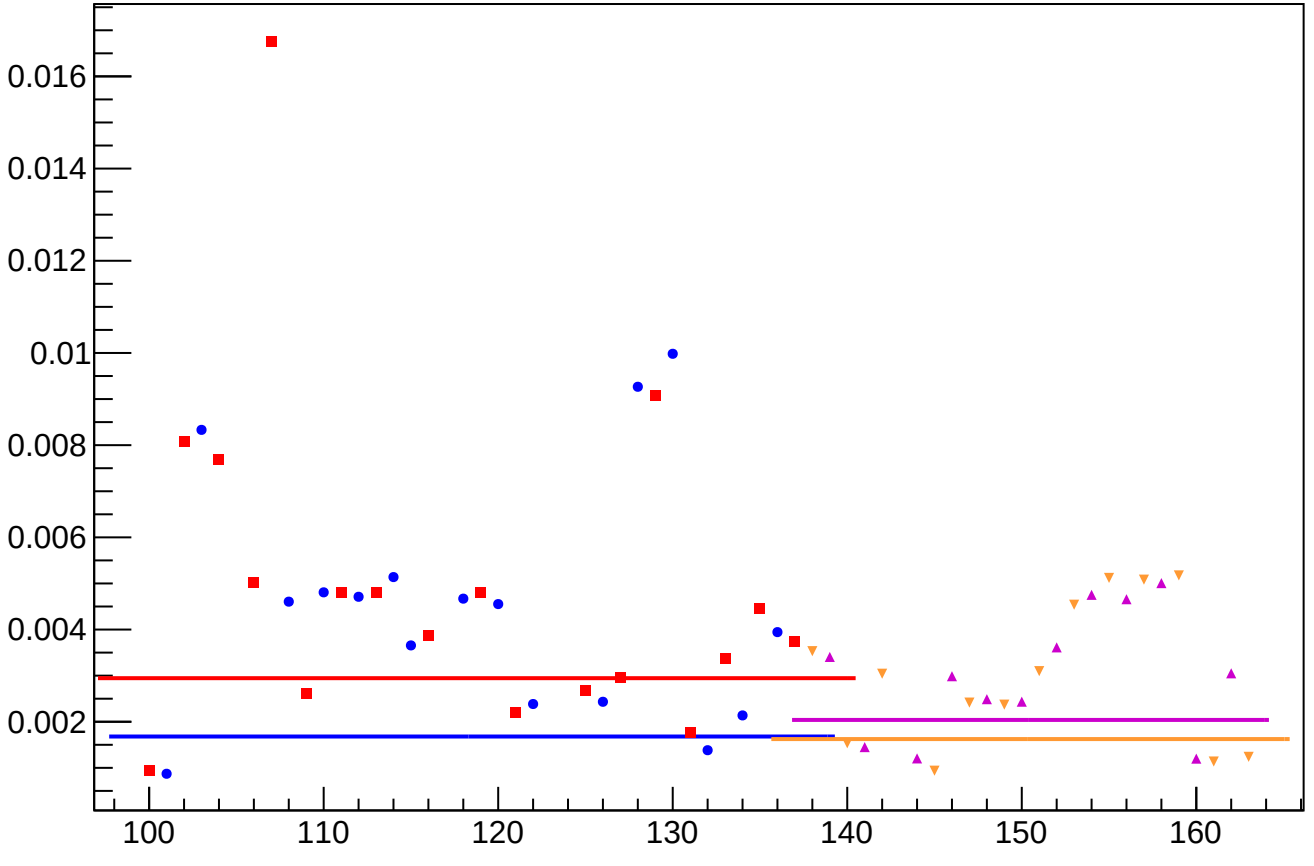
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:31.4/27

Out: -0.000+/-0.000 χ^2/NDF:43.3/30

All: -0.000+/-0.000 χ^2/NDF: 75.5/58

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:5374980.7/12

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:3959720.6/11

Left: 0.002+/-0.000 χ^2/NDF: 9703912.0/24

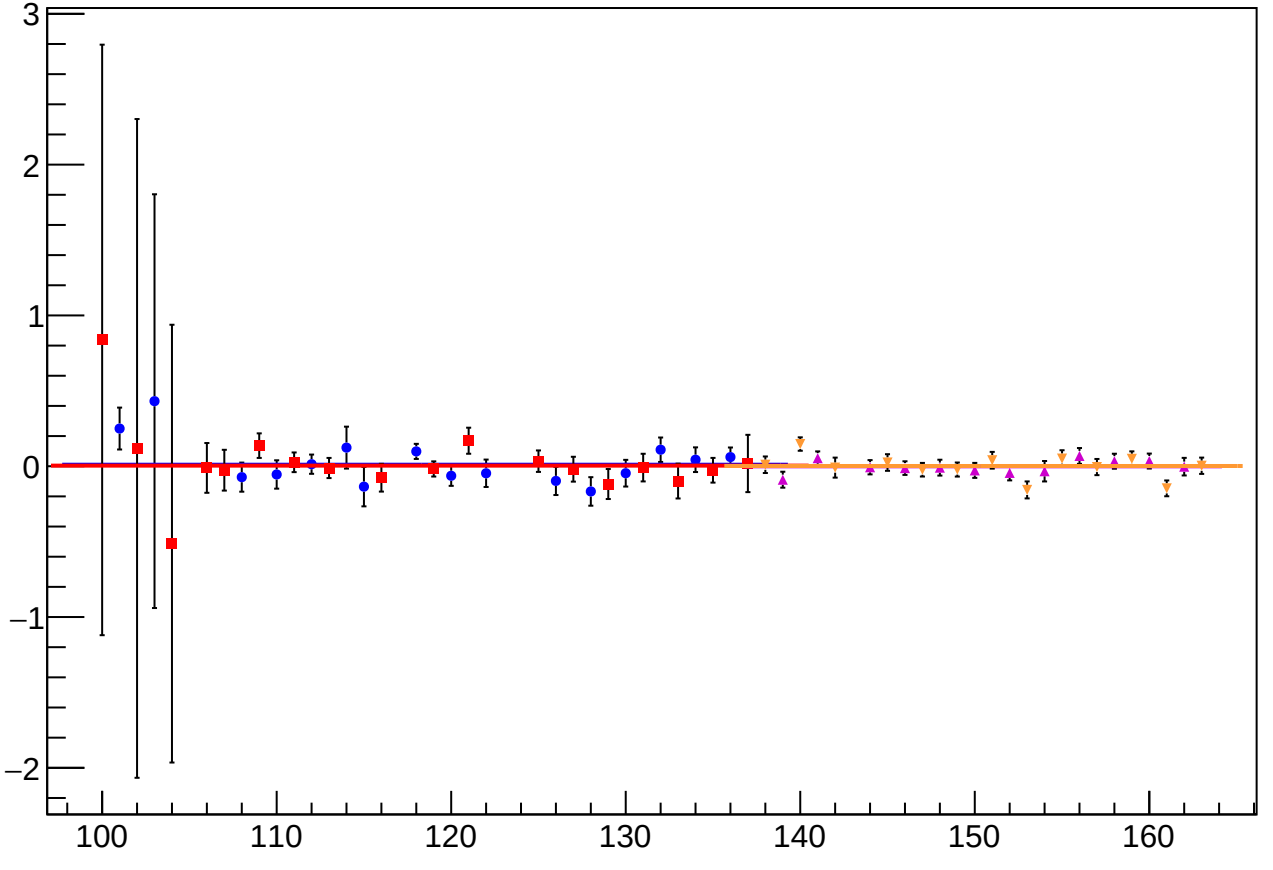
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:10127892.9/27

Out: 0.002+/-0.000 χ^2/NDF:10465372.8/30

All: 0.002+/-0.000 χ^2/NDF: 20593594.4/58

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.015 χ^2/NDF:8.3/11

Left: 0.000+/-0.010 χ^2/NDF: 37.9/24

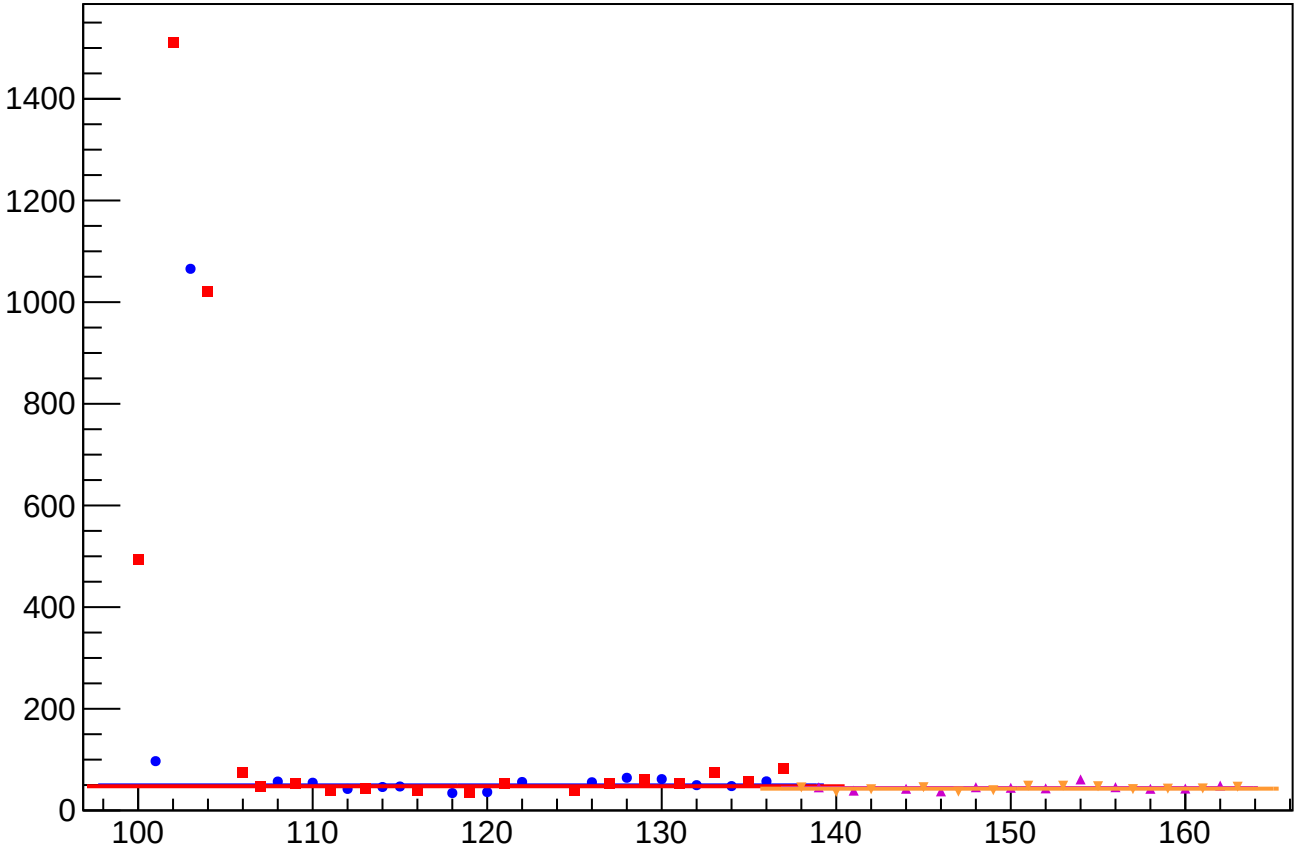
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/27

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.003+/-0.008 χ^2/NDF: 67.1/58

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.898+/-0.010 χ^2/NDF:162072.5/12

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.030+/-0.010 χ^2/NDF:215264.0/11

Left: 43.457+/-0.007 χ^2/NDF: 383363.3/24

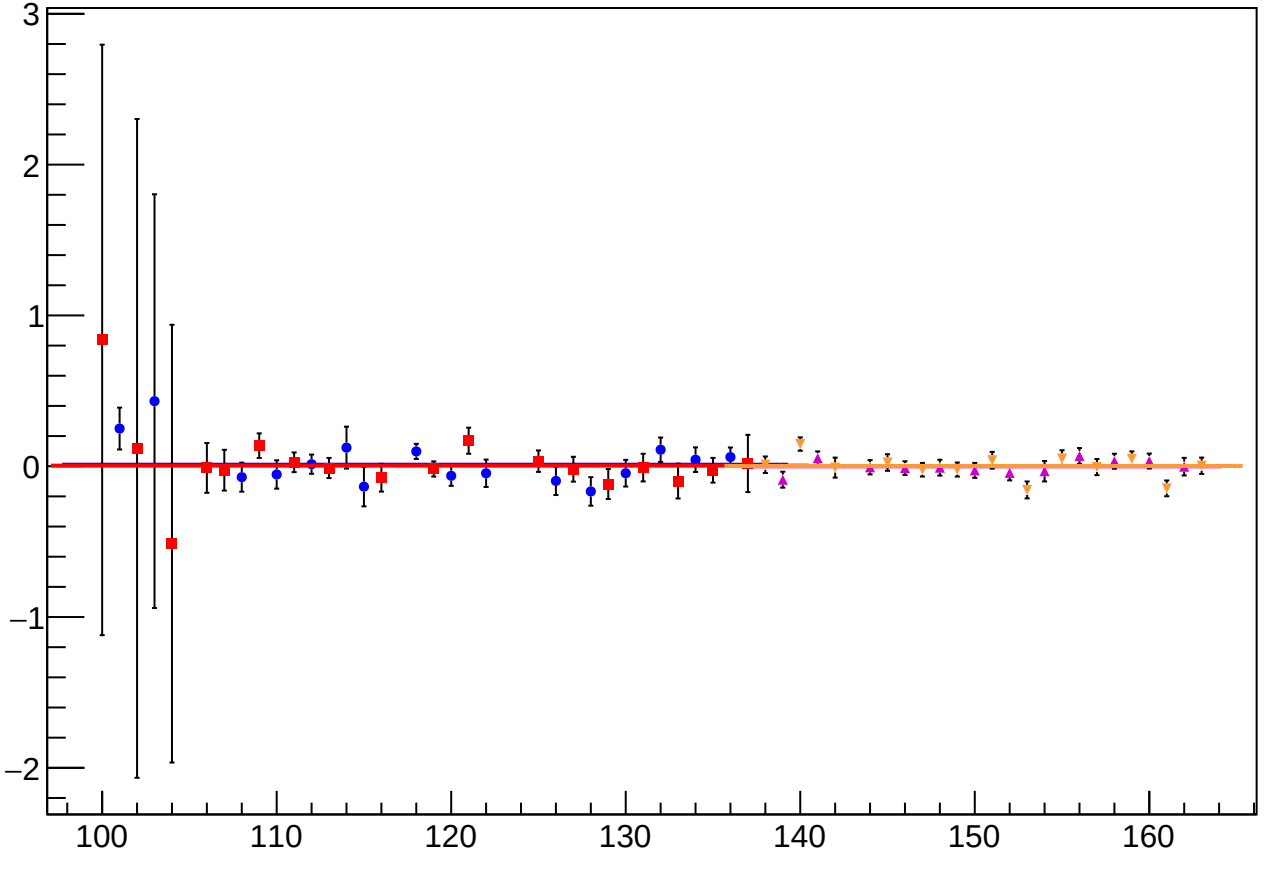
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.776+/-0.009 χ^2/NDF:2078106.7/27

Out: 44.366+/-0.008 χ^2/NDF:2646125.2/30

All: 45.070+/-0.006 χ^2/NDF: 4738000.3/58

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: 0.002+/-0.014 χ^2/NDF:29.6/12

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.015 χ^2/NDF:8.3/11

Left: 0.000+/-0.010 χ^2/NDF: 37.9/24

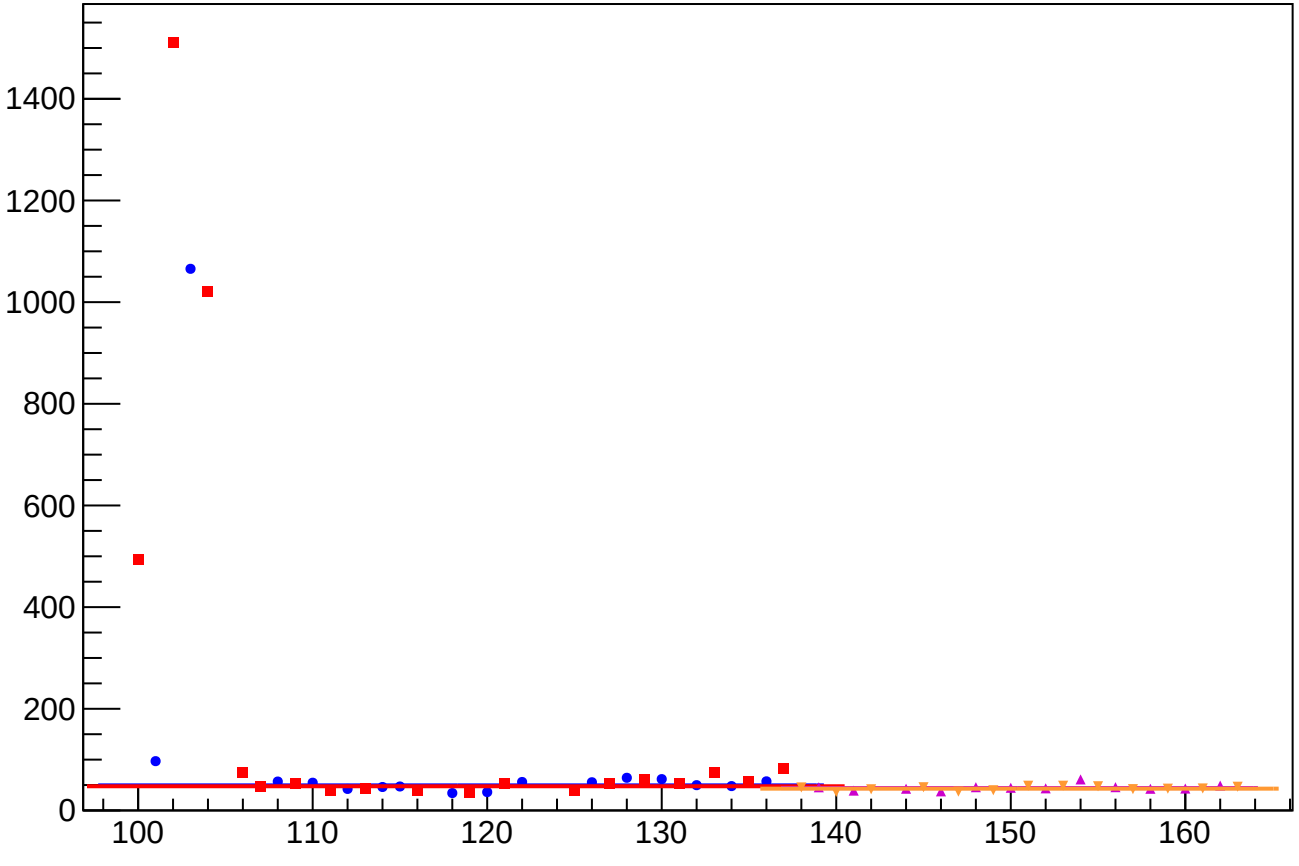
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.003+/-0.012 χ^2/NDF:26.9/27

Out: 0.002+/-0.012 χ^2/NDF:40.1/30

All: 0.003+/-0.008 χ^2/NDF: 67.1/58

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.898+/-0.010 χ^2/NDF:162072.5/12

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.030+/-0.010 χ^2/NDF:215264.0/11

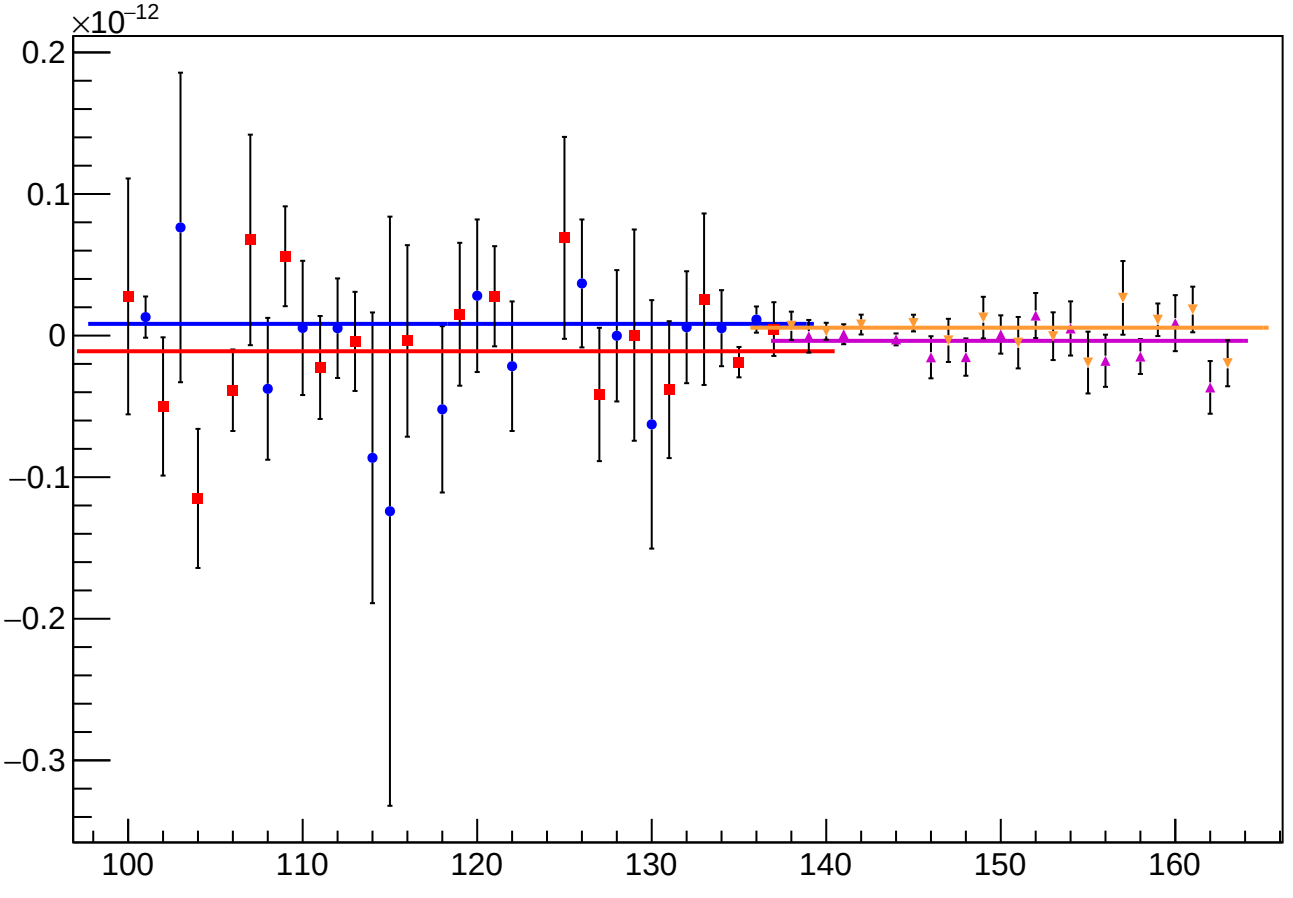
Left: 43.457+/-0.007 χ^2/NDF: 383363.3/24

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.776+/-0.009 χ^2/NDF:2078106.7/27

Out: 44.366+/-0.008 χ^2/NDF:2646125.2/30

All: 45.070+/-0.006 χ^2/NDF: 4738000.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.4/11

Left: 0.000+/-0.000 χ^2/NDF: 20.5/24

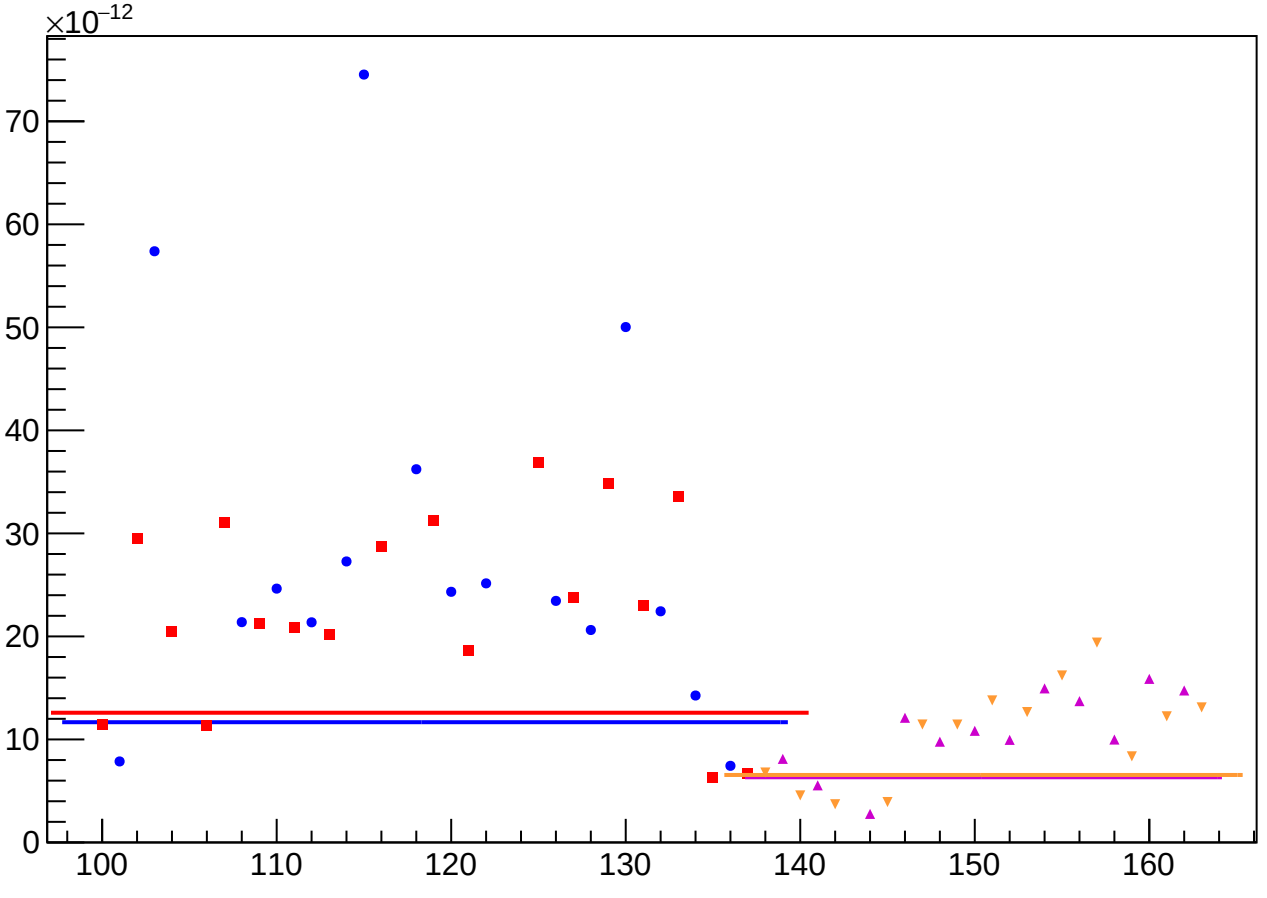
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:16.6/27

Out: 0.000+/-0.000 χ^2/NDF:27.6/30

All: 0.000+/-0.000 χ^2/NDF: 46.1/58

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3461179.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:4046461.1/11

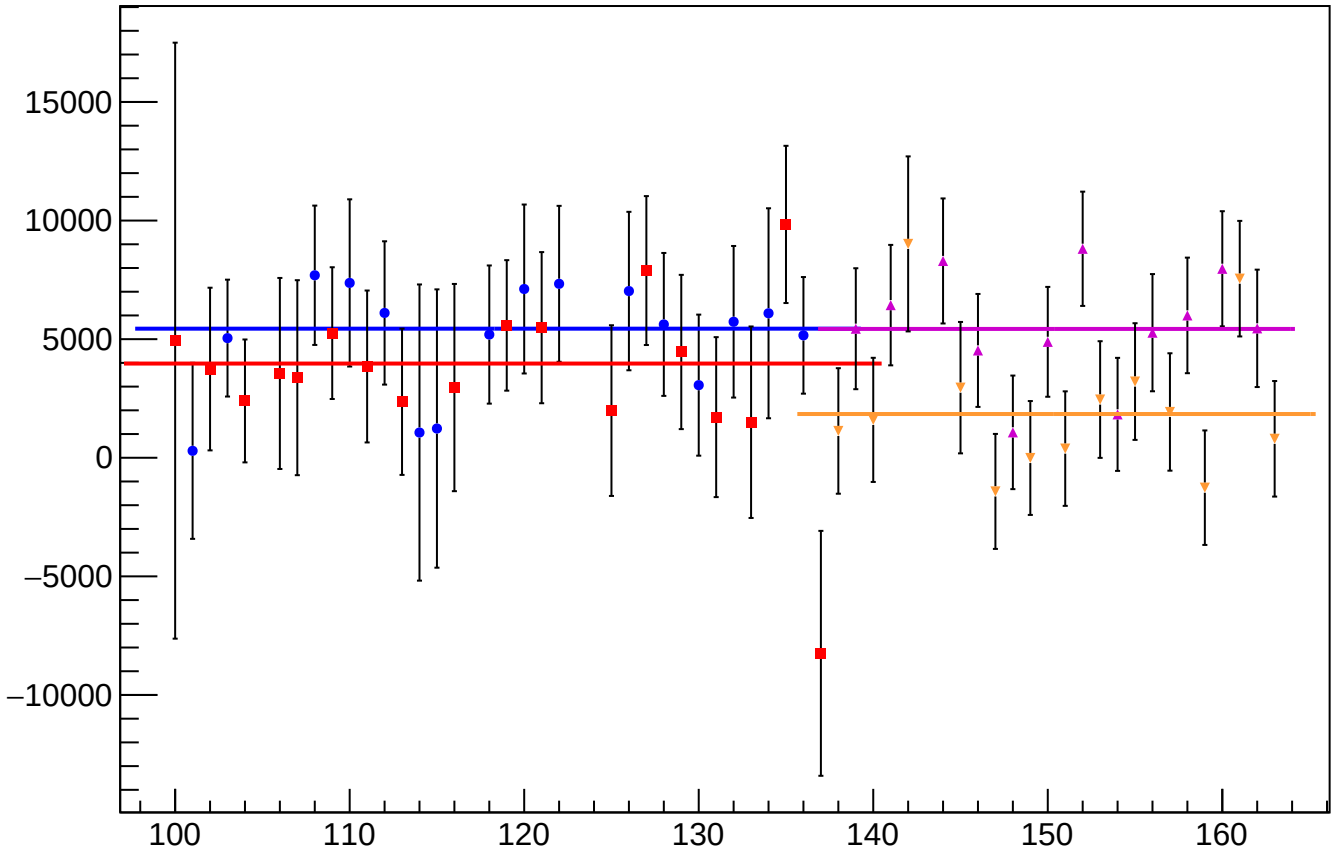
Left: 0.000+/-0.000 χ^2/NDF: 7513699.7/24

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8036660.0/27

Out: 0.000+/-0.000 χ^2/NDF:7591856.2/30

All: 0.000+/-0.000 χ^2/NDF: 15634837.4/58



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.254+/-705.236 χ^2/NDF:14.5/12

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5431.575+/-706.396 χ^2/NDF:10.3/11

Left: 3634.967+/-499.087 χ^2/NDF: 37.7/24

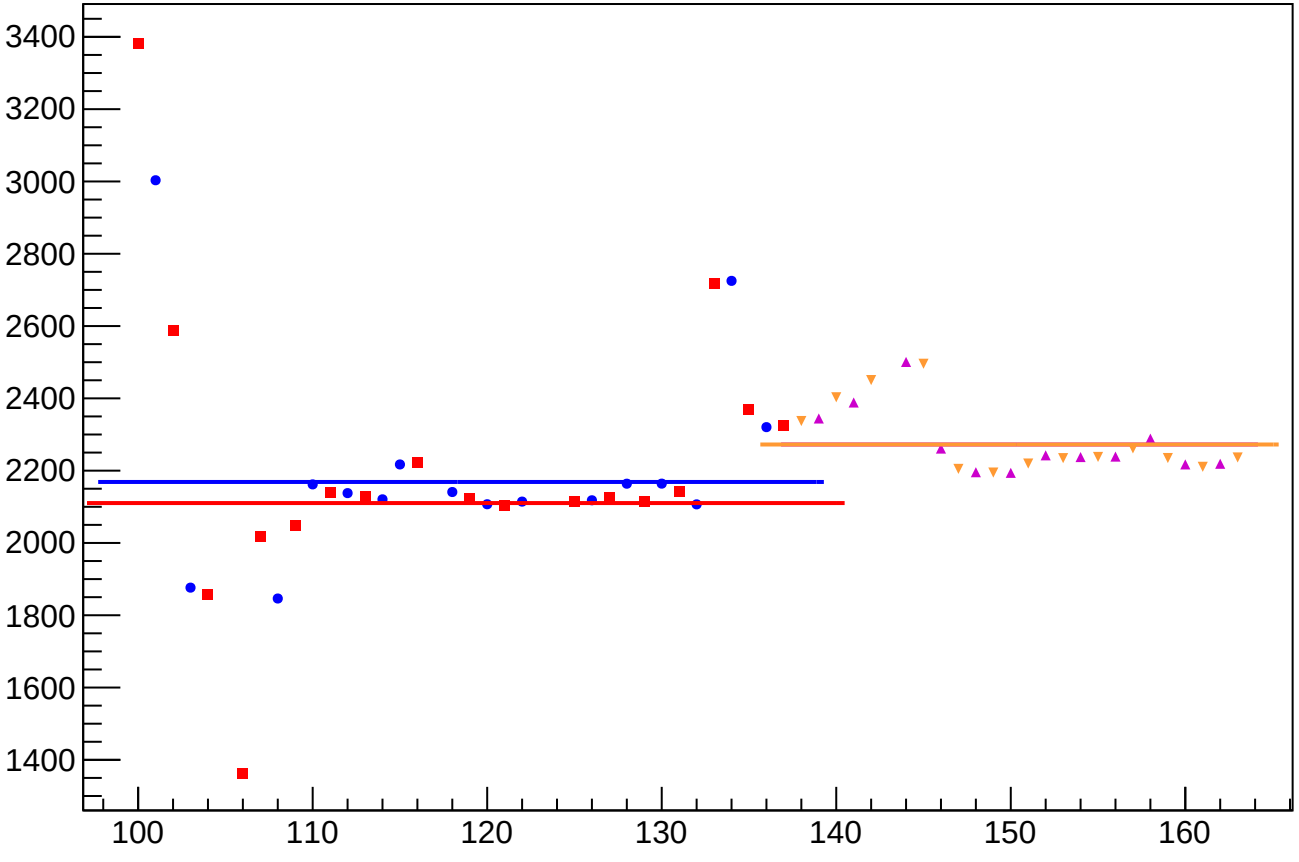
Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5436.208+/-533.101 χ^2/NDF:15.6/27

Out: 2762.856+/-531.609 χ^2/NDF:31.4/30

All: 4095.787+/-376.431 χ^2/NDF: 59.6/58

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2272.338+/-0.499 χ^2/NDF:28333.3/11

Left: 2272.350+/-0.353 χ^2/NDF: 59880.7/24

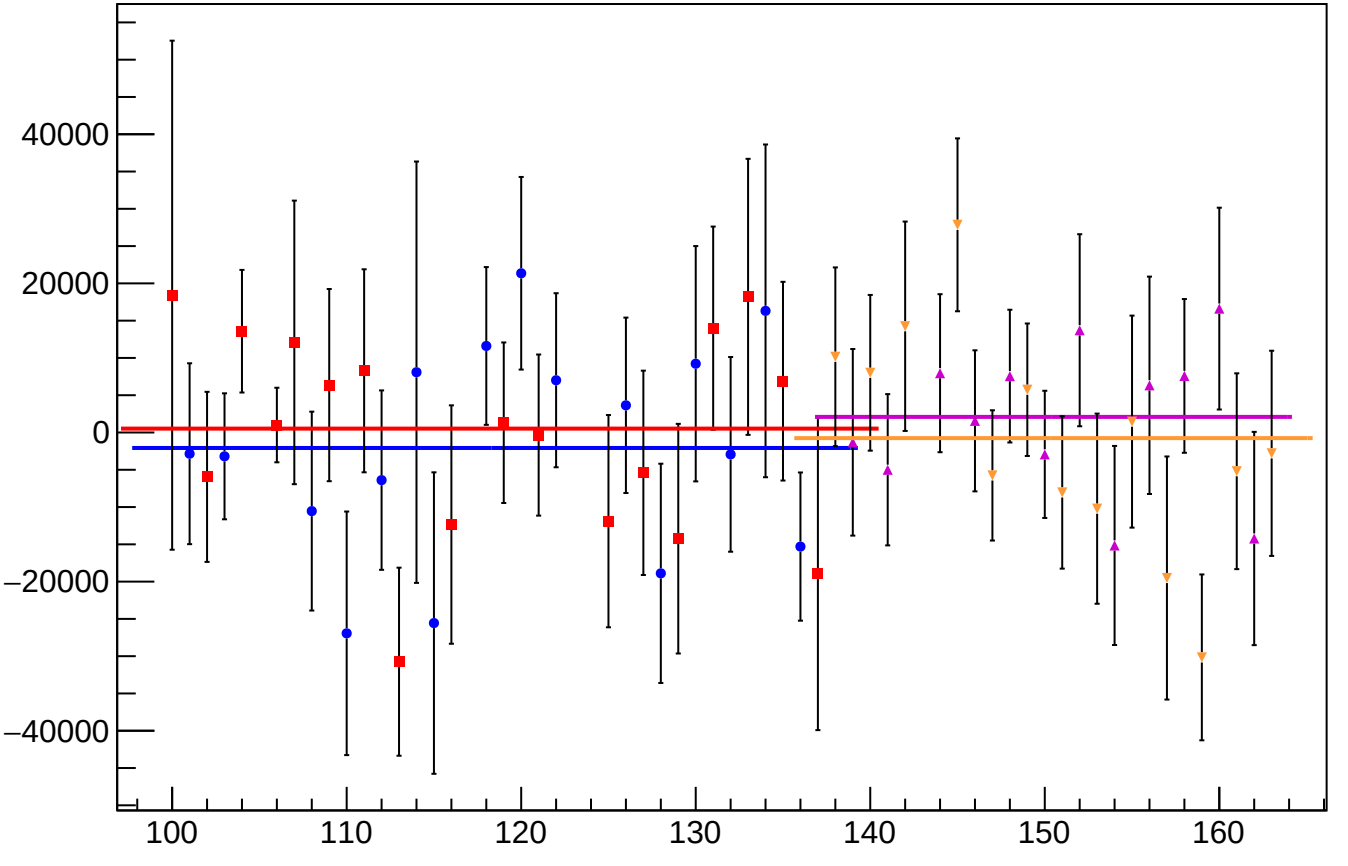
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2227.732+/-0.377 χ^2/NDF:242518.7/27

Out: 2201.139+/-0.373 χ^2/NDF:345357.5/30

All: 2214.306+/-0.265 χ^2/NDF: 590388.8/58

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: -754.406+/-3194.139 χ^2/NDF:19.2/12

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2093.084+/-3183.747 χ^2/NDF:6.9/11

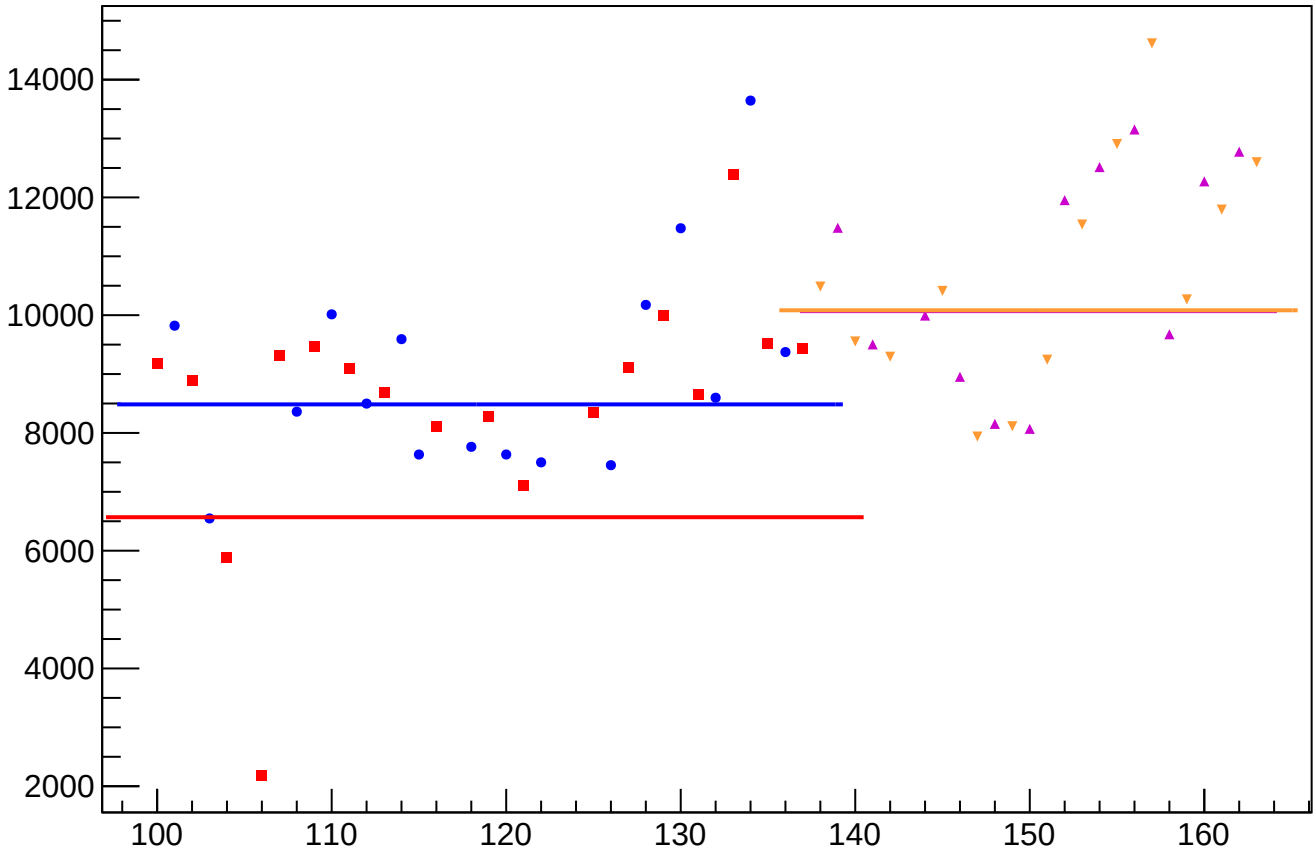
Left: 673.979+/-2254.914 χ^2/NDF: 26.5/24

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 27.592+/-2261.204 χ^2/NDF:22.2/27

Out: -13.834+/-2068.931 χ^2/NDF:34.9/30

All: 5.043+/-1526.411 χ^2/NDF: 57.1/58



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10082.917+/-2.259 χ^2/NDF:608540.6/12

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10068.528+/-2.251 χ^2/NDF:589385.9/11

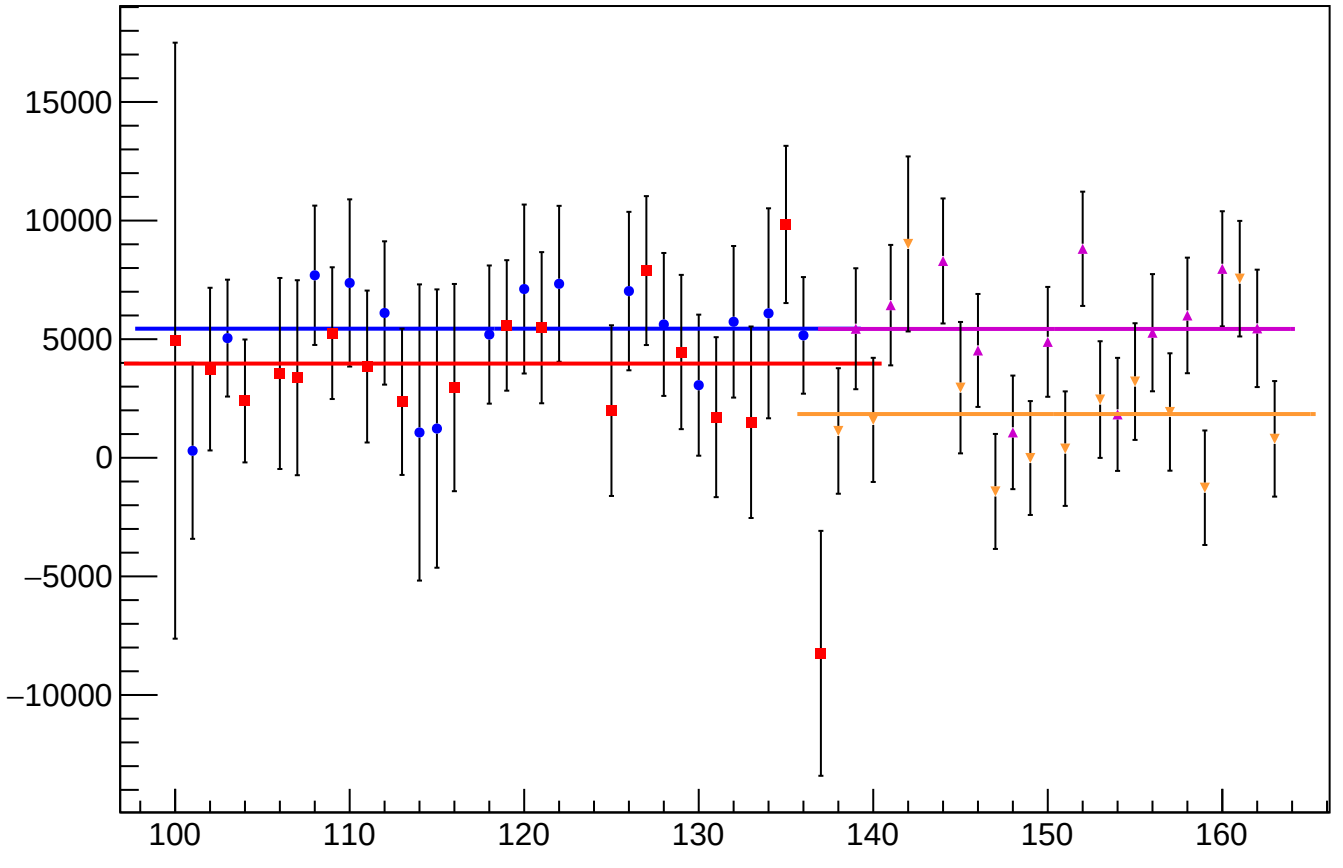
Left: 10075.699+/-1.594 χ^2/NDF: 1197946.9/24

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9283.782+/-1.599 χ^2/NDF:1257285.1/27

Out: 8043.098+/-1.463 χ^2/NDF:4582638.0/30

All: 8608.457+/-1.079 χ^2/NDF: 6167659.3/58



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5431.701+/-706.396 χ^2/NDF:10.3/11

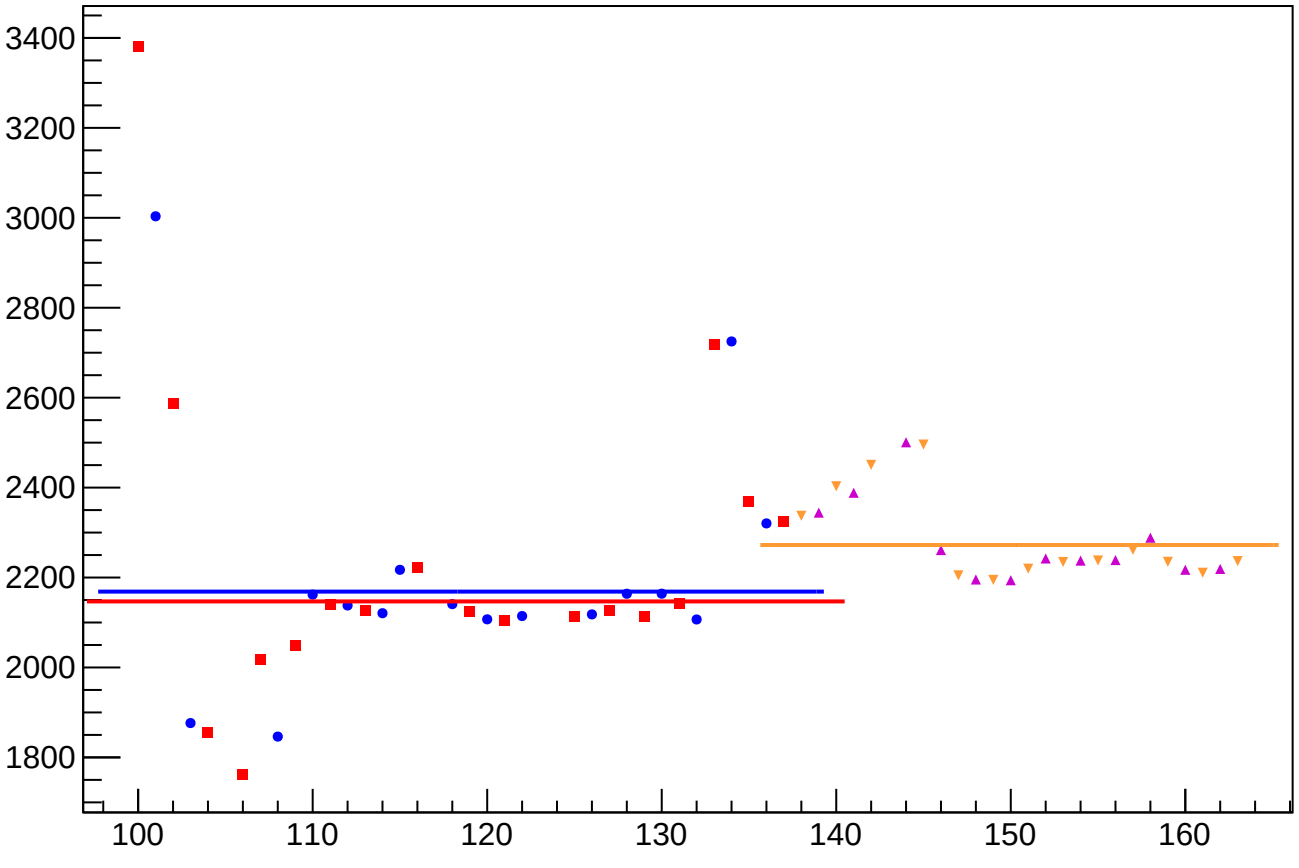
Left: 3634.956+/-499.087 χ^2/NDF: 37.7/24

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5436.340+/-533.101 χ^2/NDF:15.6/27

Out: 2762.660+/-531.609 χ^2/NDF:31.4/30

All: 4095.755+/-376.431 χ^2/NDF: 59.6/58



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2272.338+/-0.499 χ^2/NDF:28333.3/11

Left: 2272.350+/-0.353 χ^2/NDF: 59880.7/24

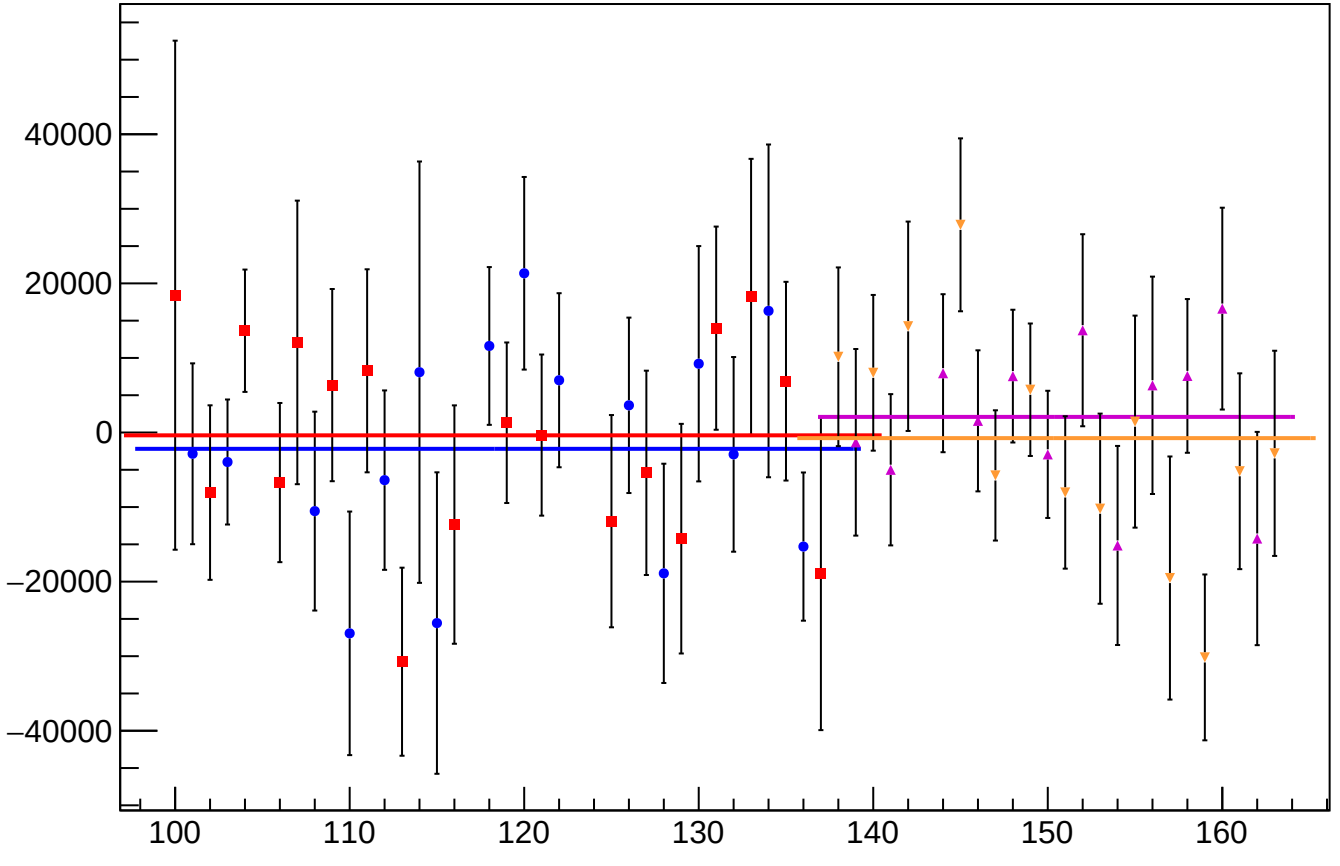
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2227.732+/-0.377 χ^2/NDF:242519.1/27

Out: 2217.878+/-0.375 χ^2/NDF:216788.7/30

All: 2222.781+/-0.266 χ^2/NDF: 459651.2/58

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -754.459+/-3194.137 χ^2/NDF:19.2/12

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2093.270+/-3183.746 χ^2/NDF:6.9/11

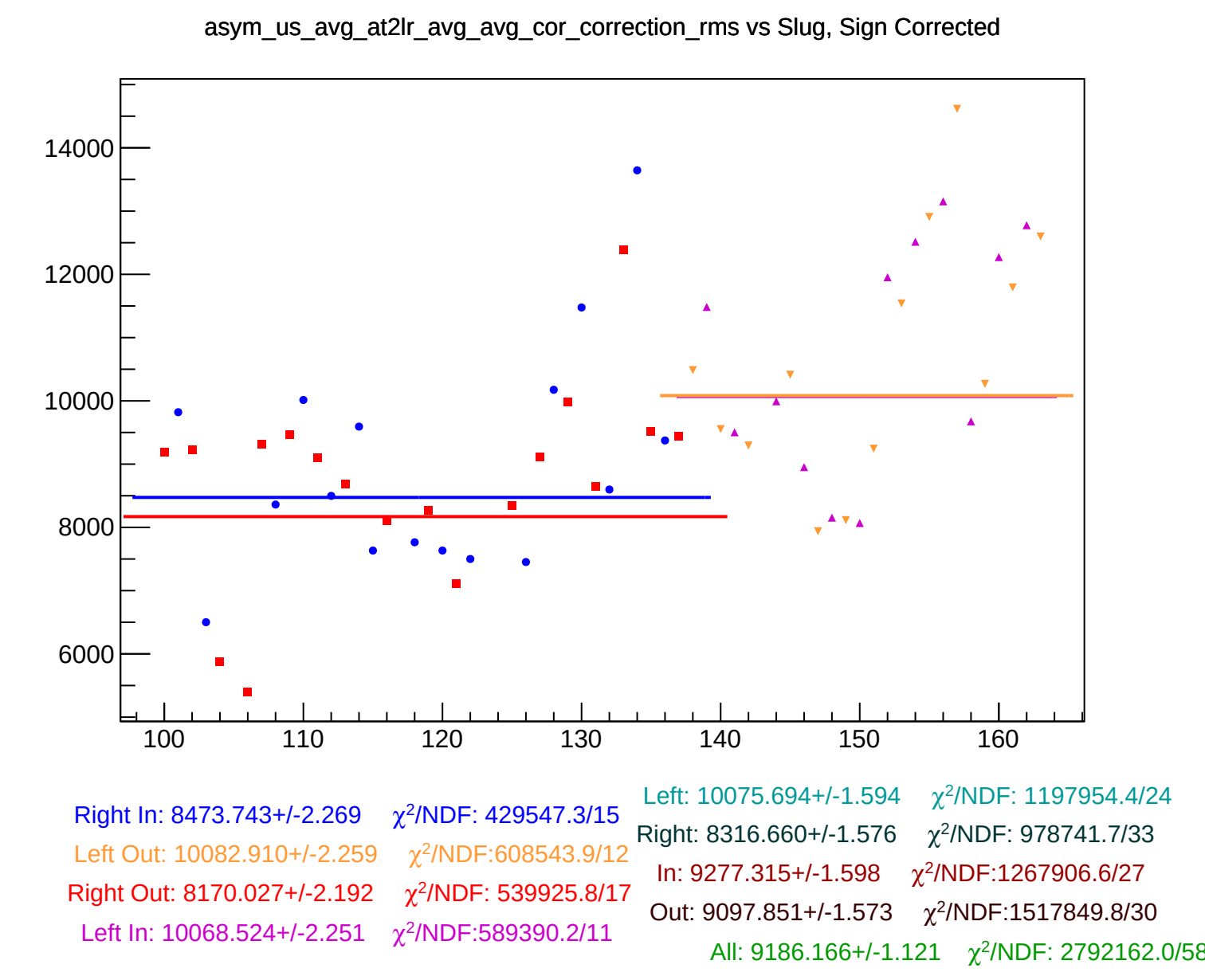
Left: 674.046+/-2254.913 χ^2/NDF: 26.5/24

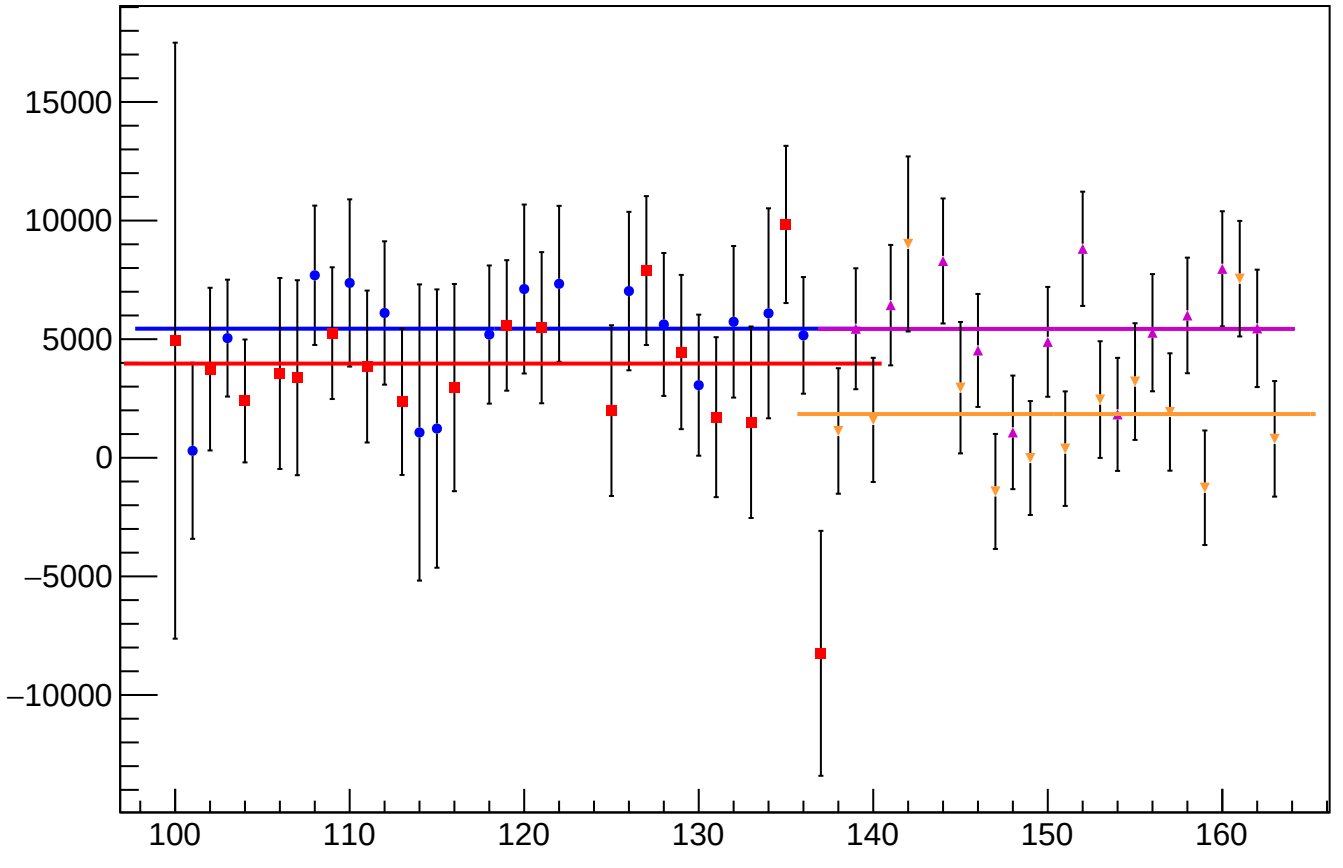
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -31.393+/-2259.958 χ^2/NDF:22.3/27

Out: -561.234+/-2224.550 χ^2/NDF:35.5/30

All: -300.497+/-1585.365 χ^2/NDF: 57.7/58


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10082.910+/-2.259 χ²/NDF:608543.9/12
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10068.524+/-2.251 χ²/NDF:589390.2/11
Left: 10075.694+/-1.594 χ²/NDF: 1197954.4/24
Right: 8316.660+/-1.576 χ²/NDF: 978741.7/33
In: 9277.315+/-1.598 χ²/NDF:1267906.6/27
Out: 9097.851+/-1.573 χ²/NDF:1517849.8/30
All: 9186.166+/-1.121 χ²/NDF: 2792162.0/58



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1844.106+/-705.236 χ^2/NDF:14.5/12

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5431.701+/-706.396 χ^2/NDF:10.3/11

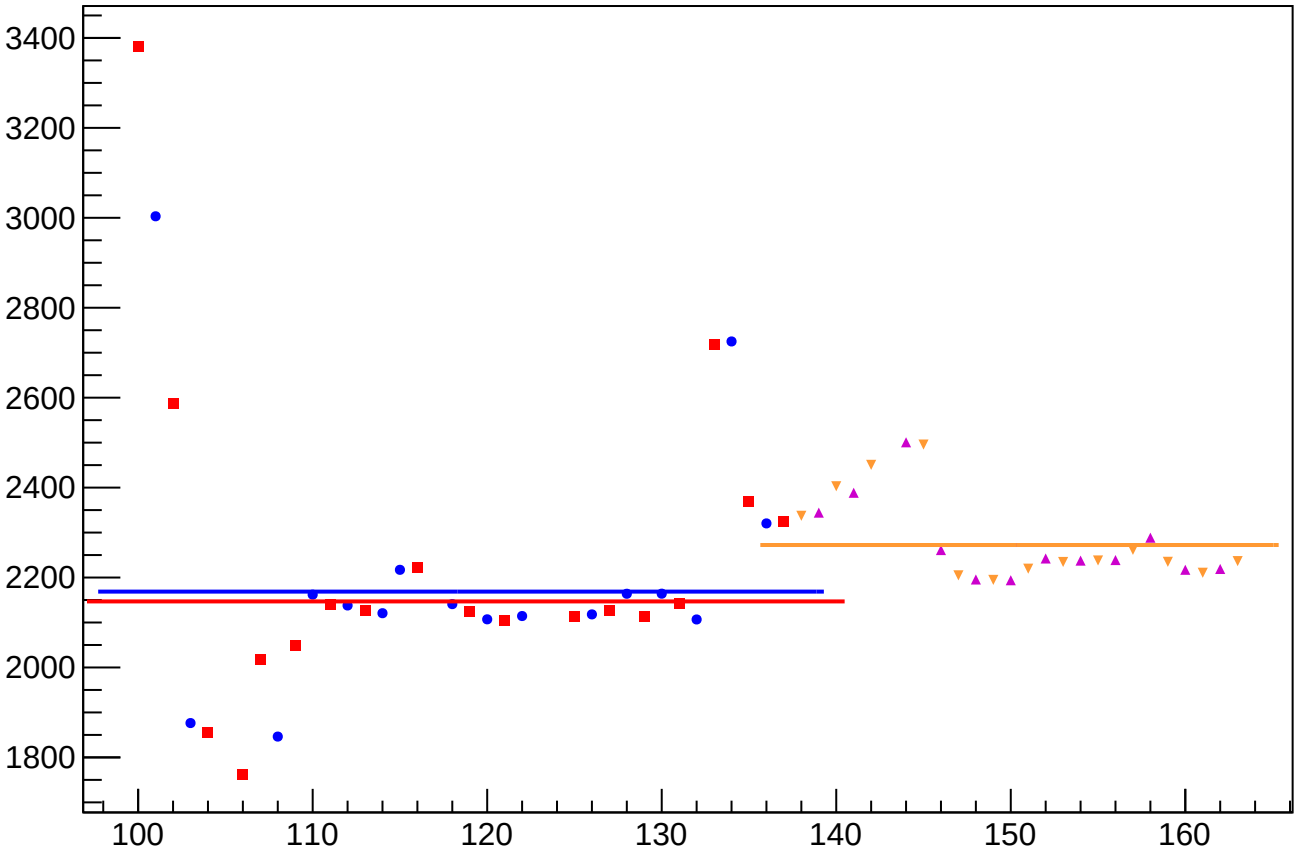
Left: 3634.956+/-499.087 χ^2/NDF: 37.7/24

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5436.340+/-533.101 χ^2/NDF:15.6/27

Out: 2762.660+/-531.609 χ^2/NDF:31.4/30

All: 4095.755+/-376.431 χ^2/NDF: 59.6/58



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2272.362+/-0.499 χ^2/NDF:31547.3/12

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2272.338+/-0.499 χ^2/NDF:28333.3/11

Left: 2272.350+/-0.353 χ^2/NDF: 59880.7/24

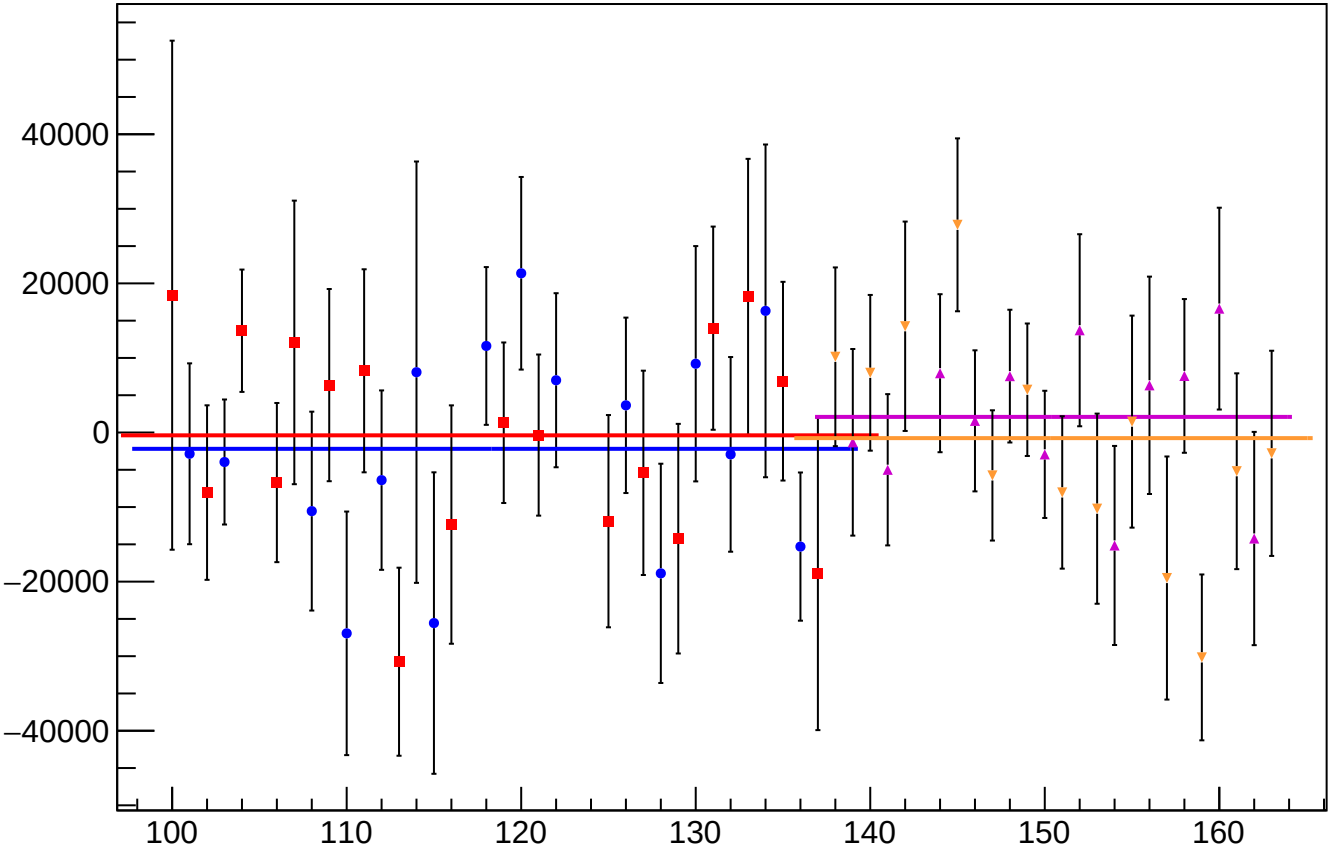
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2227.732+/-0.377 χ^2/NDF:242519.1/27

Out: 2217.878+/-0.375 χ^2/NDF:216788.7/30

All: 2222.781+/-0.266 χ^2/NDF: 459651.2/58

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: -754.459+/-3194.137 χ^2/NDF:19.2/12

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2093.270+/-3183.746 χ^2/NDF:6.9/11

Left: 674.046+/-2254.913 χ^2/NDF: 26.5/24

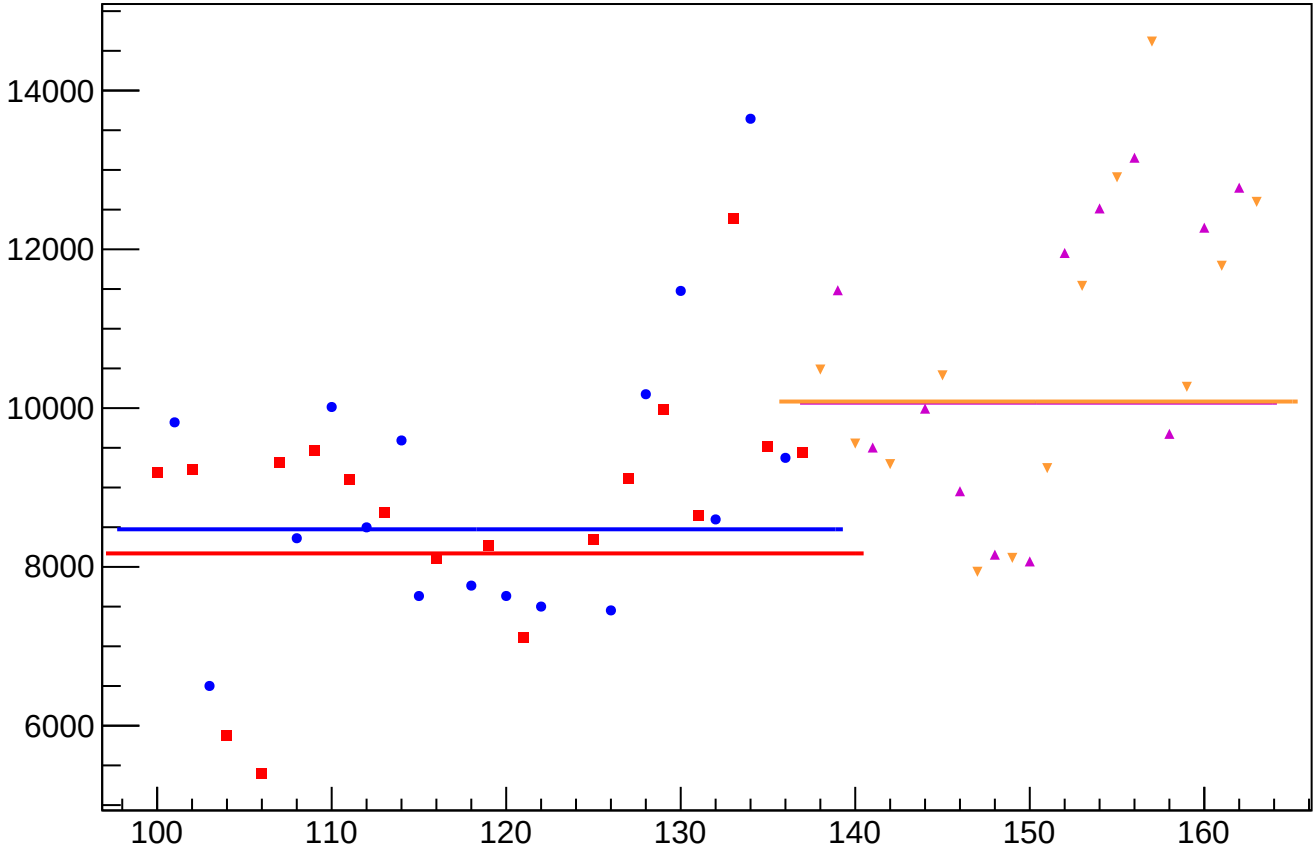
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -31.393+/-2259.958 χ^2/NDF:22.3/27

Out: -561.234+/-2224.550 χ^2/NDF:35.5/30

All: -300.497+/-1585.365 χ^2/NDF: 57.7/58

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10082.910+/-2.259 χ^2/NDF:608543.9/12

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10068.524+/-2.251 χ^2/NDF:589390.2/11

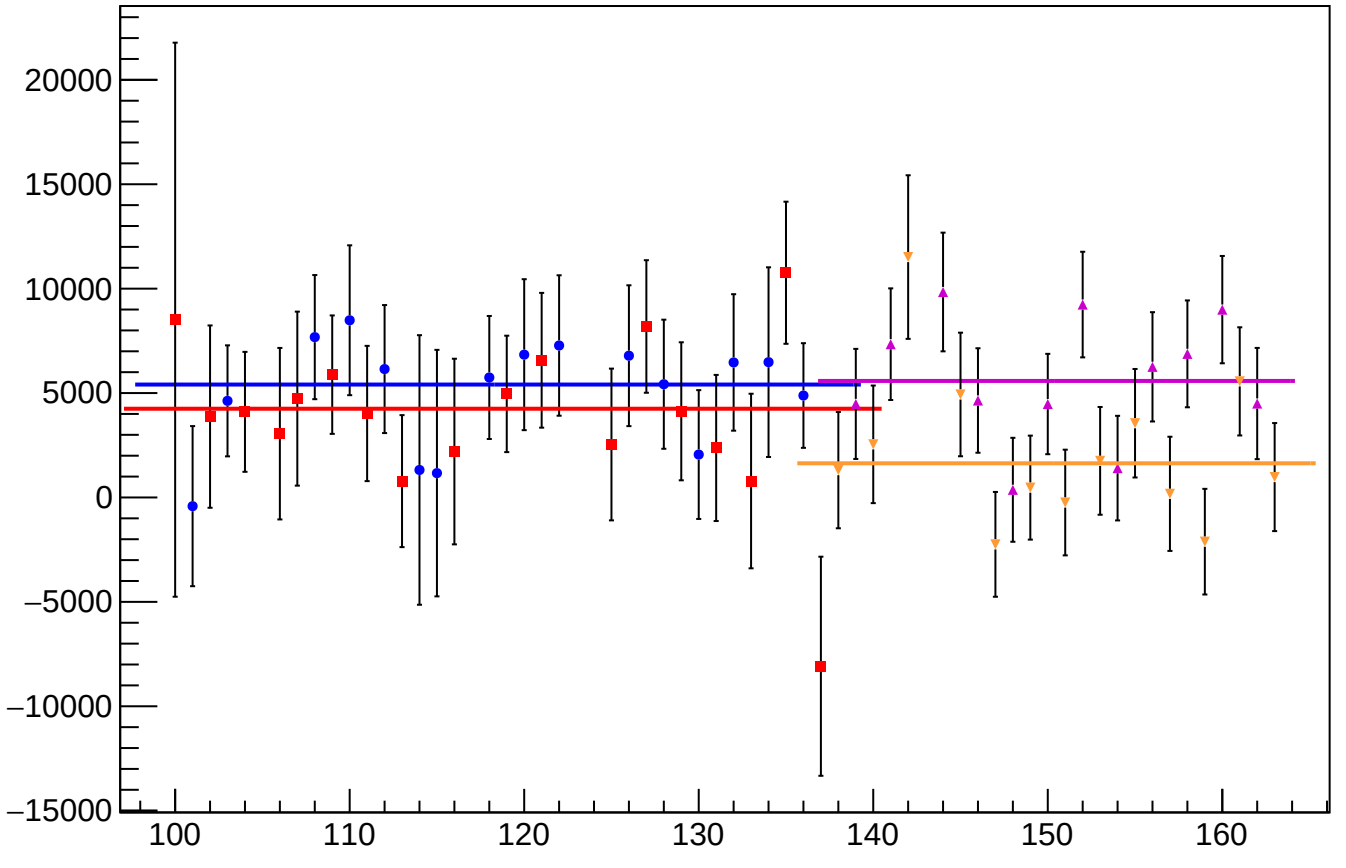
Left: 10075.694+/-1.594 χ^2/NDF: 1197954.4/24

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9277.315+/-1.598 χ^2/NDF:1267906.6/27

Out: 9097.851+/-1.573 χ^2/NDF:1517849.8/30

All: 9186.166+/-1.121 χ^2/NDF: 2792162.0/58



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1636.596+/-745.900 χ^2/NDF:16.3/12

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5580.702+/-743.533 χ^2/NDF:14.7/11

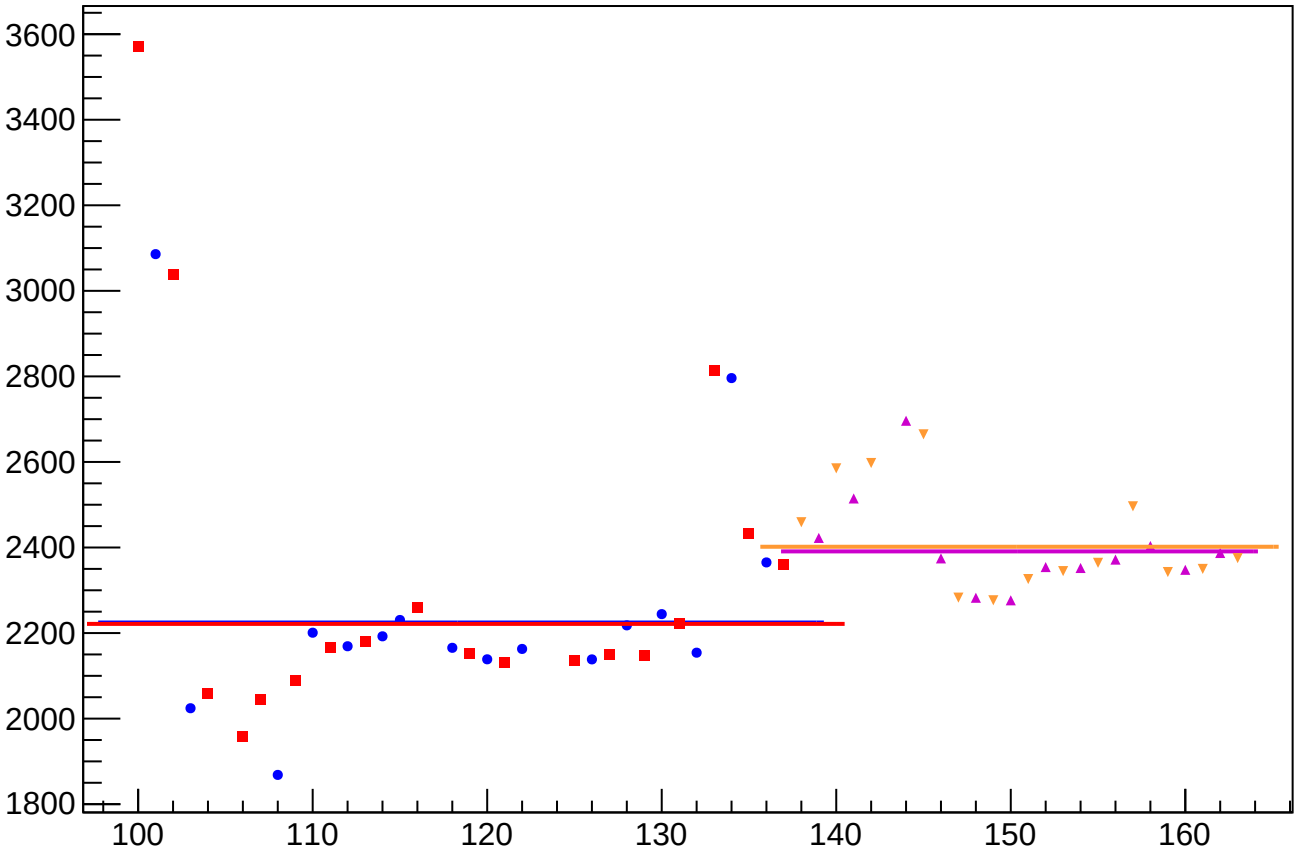
Left: 3614.915+/-526.592 χ^2/NDF: 45.0/24

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5504.132+/-554.904 χ^2/NDF:21.5/27

Out: 2789.749+/-557.550 χ^2/NDF:36.2/30

All: 4153.397+/-393.309 χ^2/NDF: 69.5/58



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2401.761+/-0.527 χ^2/NDF:47299.7/12

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2390.899+/-0.526 χ^2/NDF:37692.1/11

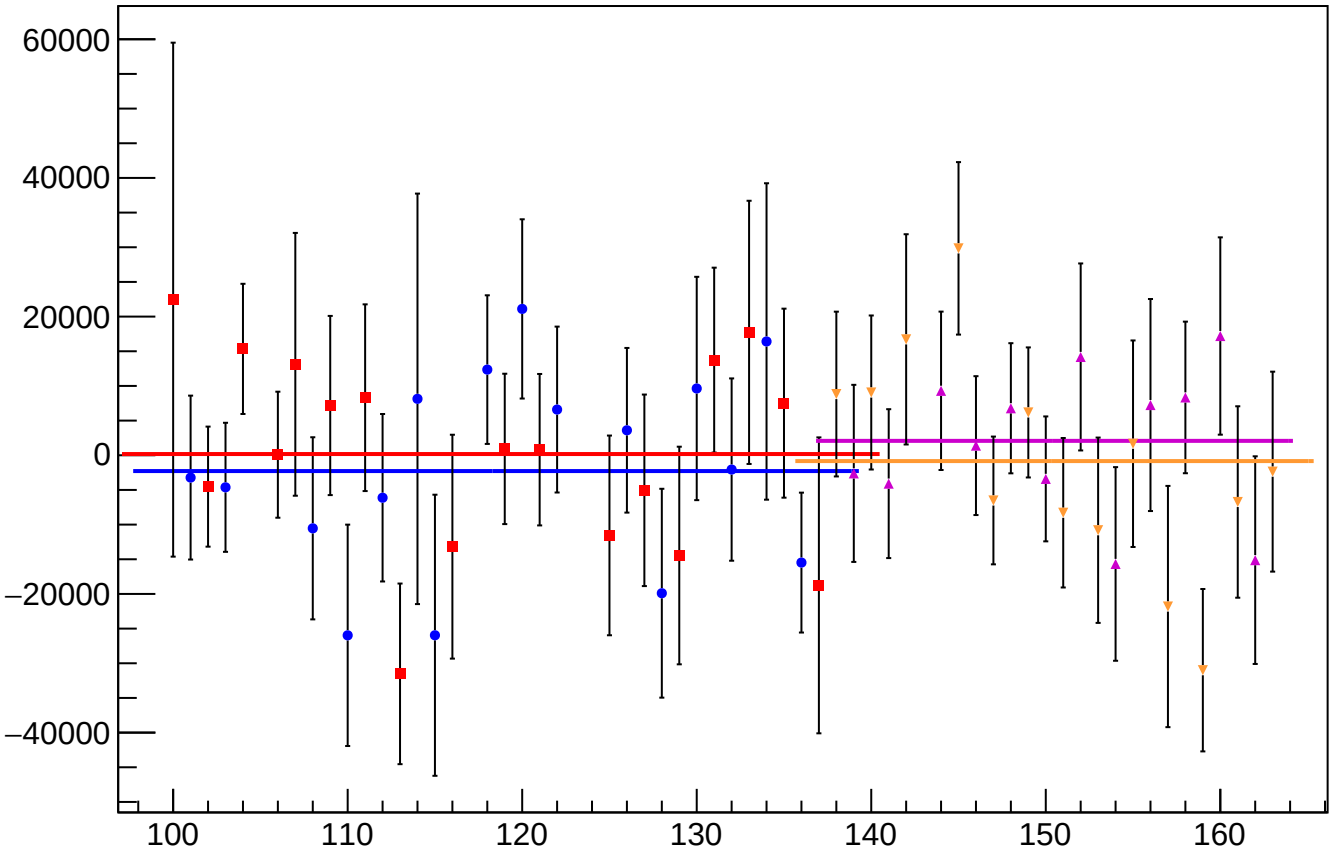
Left: 2396.313+/-0.372 χ^2/NDF: 85204.6/24

Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2317.231+/-0.392 χ^2/NDF:266688.5/27

Out: 2322.131+/-0.394 χ^2/NDF:268865.3/30

All: 2319.670+/-0.278 χ^2/NDF: 535631.5/58



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: -838.923+/-3361.203 χ^2/NDF:19.2/12

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2077.690+/-3355.981 χ^2/NDF:6.8/11

Left: 621.651+/-2374.881 χ^2/NDF: 26.3/24

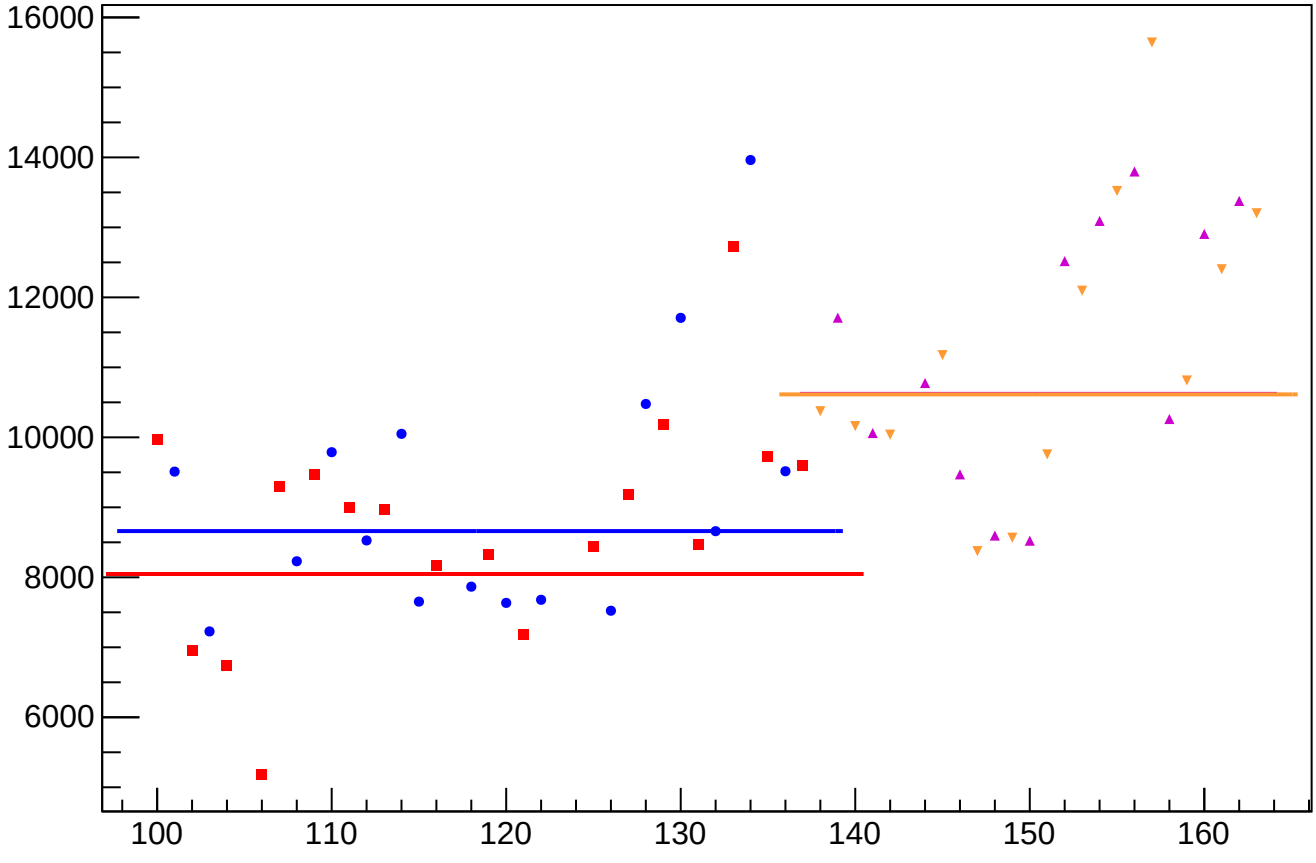
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -155.728+/-2342.689 χ^2/NDF:22.2/27

Out: -279.330+/-2252.735 χ^2/NDF:34.9/30

All: -219.947+/-1623.794 χ^2/NDF: 57.0/58

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10613.702+/-2.377 χ^2/NDF:603528.6/12

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10621.063+/-2.373 χ^2/NDF:558349.3/11

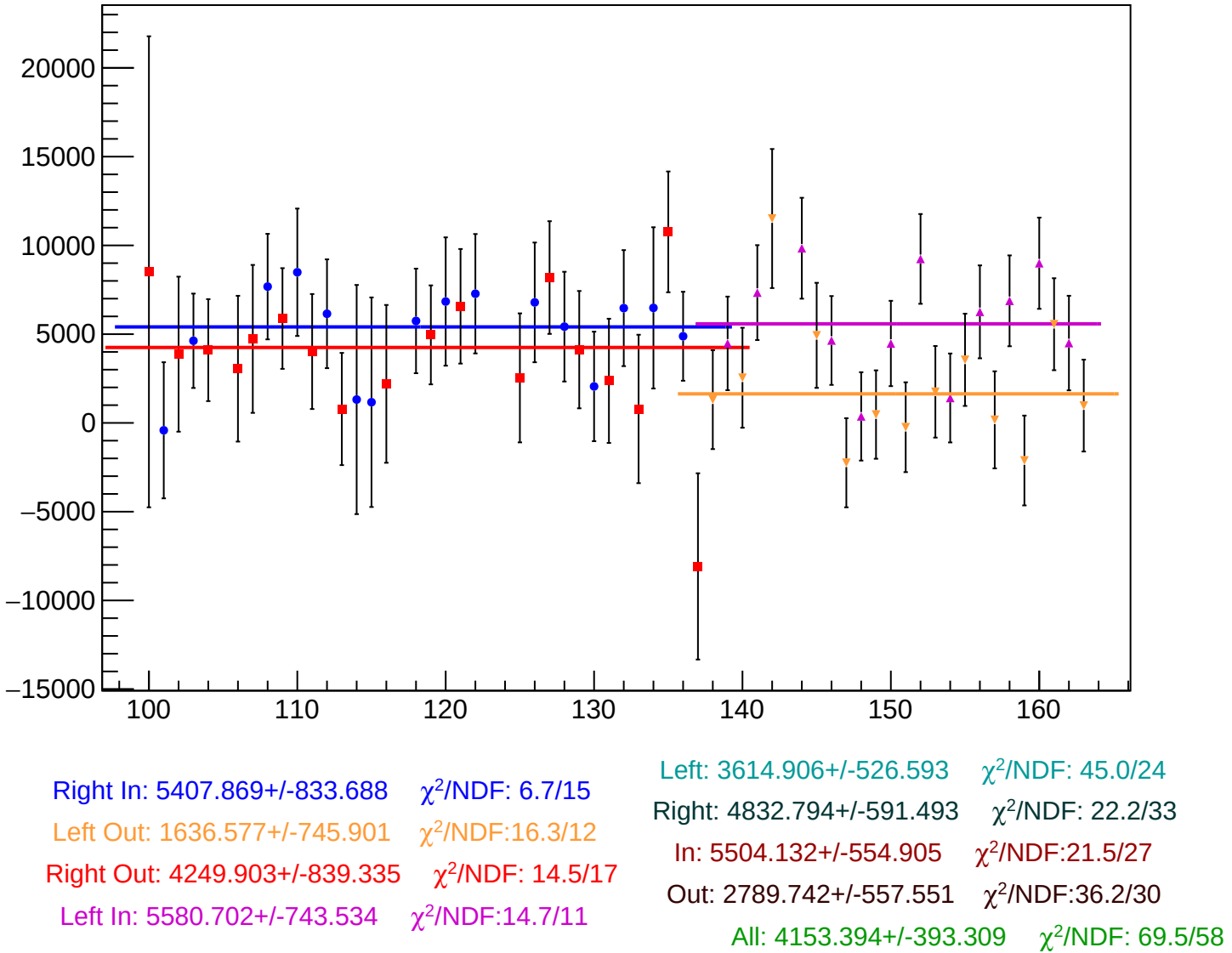
Left: 10617.388+/-1.679 χ^2/NDF: 1161882.7/24

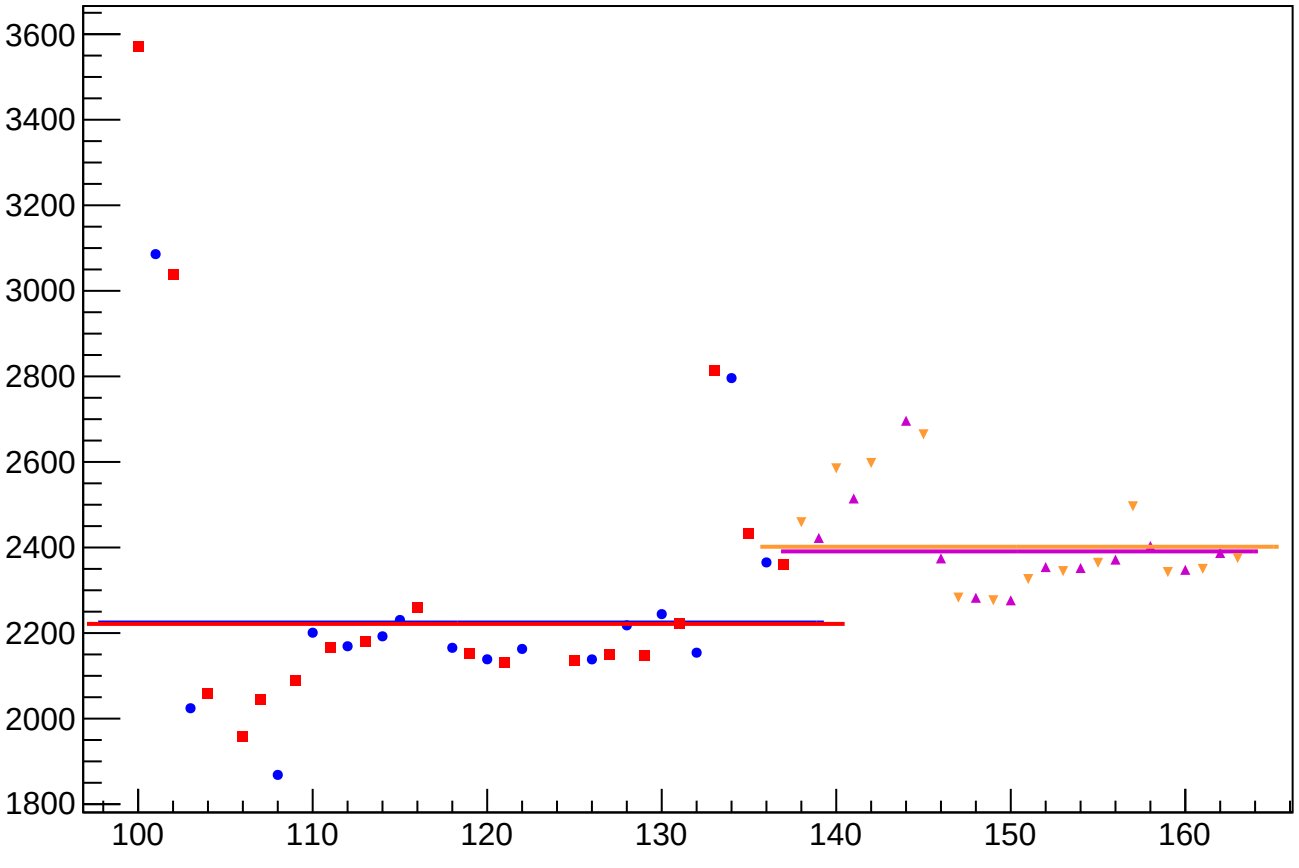
Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9615.988+/-1.657 χ^2/NDF:1266190.8/27

Out: 9200.192+/-1.593 χ^2/NDF:1804238.7/30

All: 9399.954+/-1.148 χ^2/NDF: 3103163.9/58


eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 5407.869+/-833.688 χ²/NDF: 6.7/15
Left Out: 1636.577+/-745.901 χ²/NDF:16.3/12
Right Out: 4249.903+/-839.335 χ²/NDF: 14.5/17
Left In: 5580.702+/-743.534 χ²/NDF:14.7/11
Left: 3614.906+/-526.593 χ²/NDF: 45.0/24
Right: 4832.794+/-591.493 χ²/NDF: 22.2/33
In: 5504.132+/-554.905 χ²/NDF:21.5/27
Out: 2789.742+/-557.551 χ²/NDF:36.2/30
All: 4153.394+/-393.309 χ²/NDF: 69.5/58



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2401.765+/-0.527 χ^2/NDF:47300.3/12

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2390.903+/-0.526 χ^2/NDF:37692.3/11

Left: 2396.316+/-0.372 χ^2/NDF: 85205.3/24

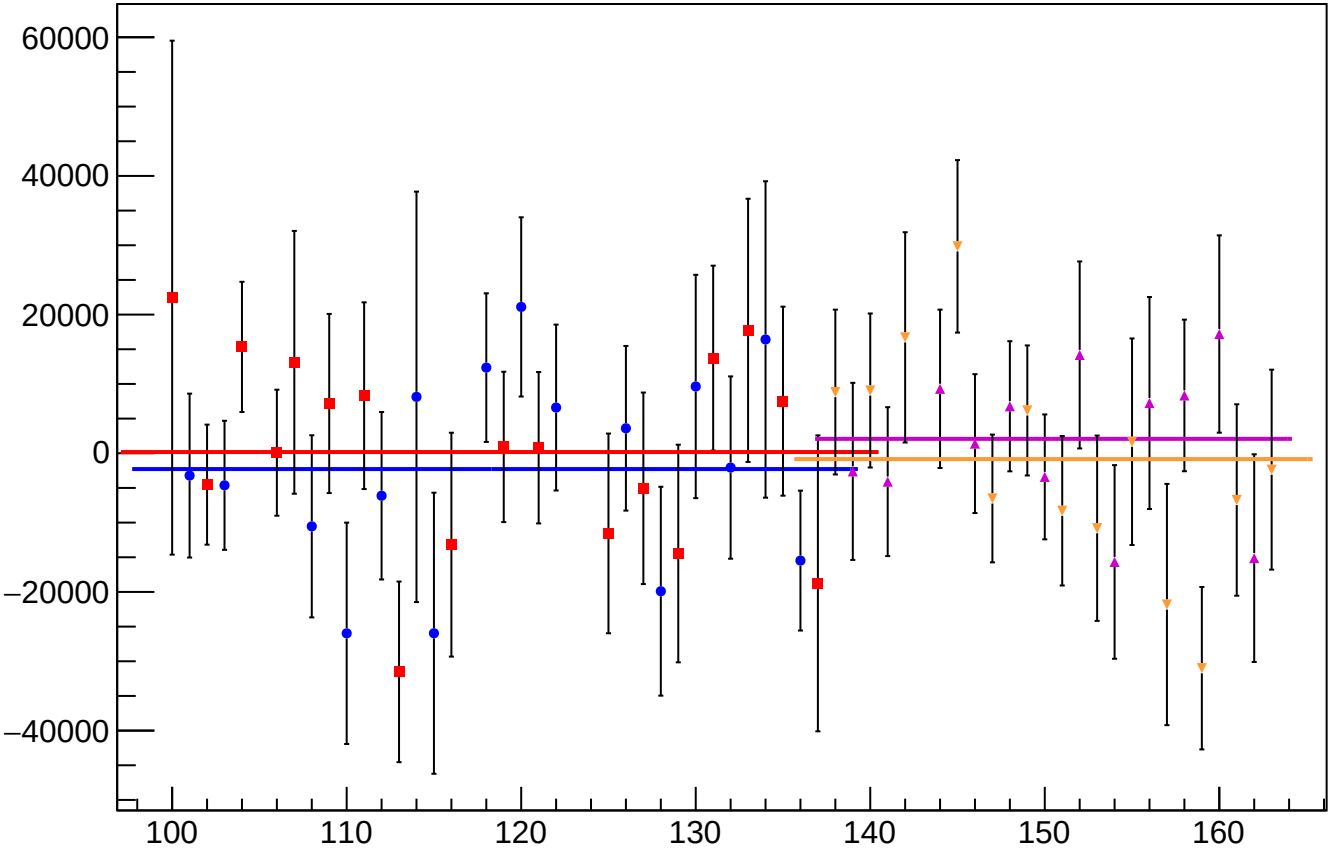
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2317.232+/-0.392 χ^2/NDF:266691.2/27

Out: 2322.132+/-0.394 χ^2/NDF:268868.4/30

All: 2319.671+/-0.278 χ^2/NDF: 535637.2/58

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: -838.935+/-3361.208 χ^2/NDF:19.2/12

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2077.691+/-3355.986 χ^2/NDF:6.8/11

Left: 621.645+/-2374.884 χ^2/NDF: 26.3/24

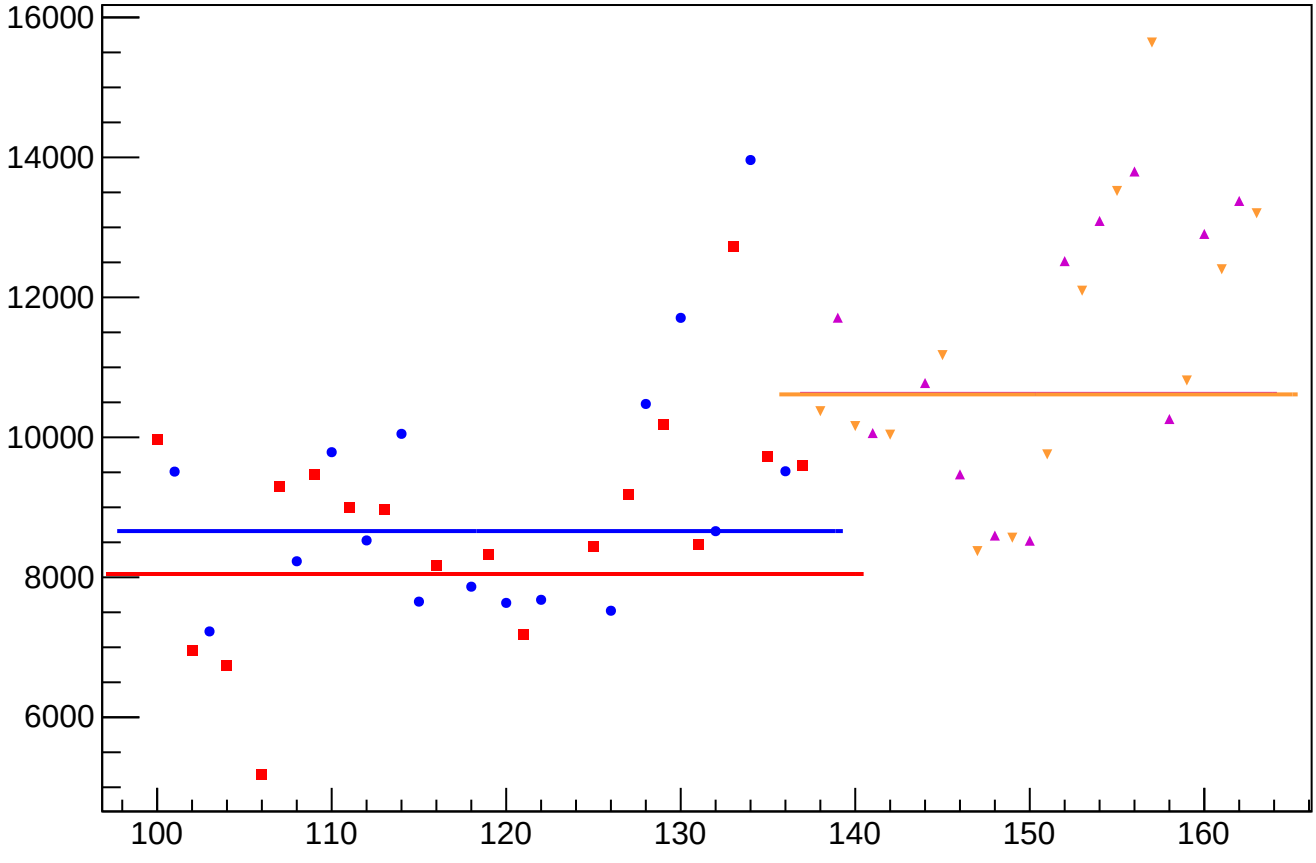
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -155.724+/-2342.688 χ^2/NDF:22.2/27

Out: -279.331+/-2252.734 χ^2/NDF:34.9/30

All: -219.946+/-1623.793 χ^2/NDF: 57.0/58

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10613.717+/-2.377 χ^2/NDF:603530.5/12

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10621.078+/-2.373 χ^2/NDF:558350.2/11

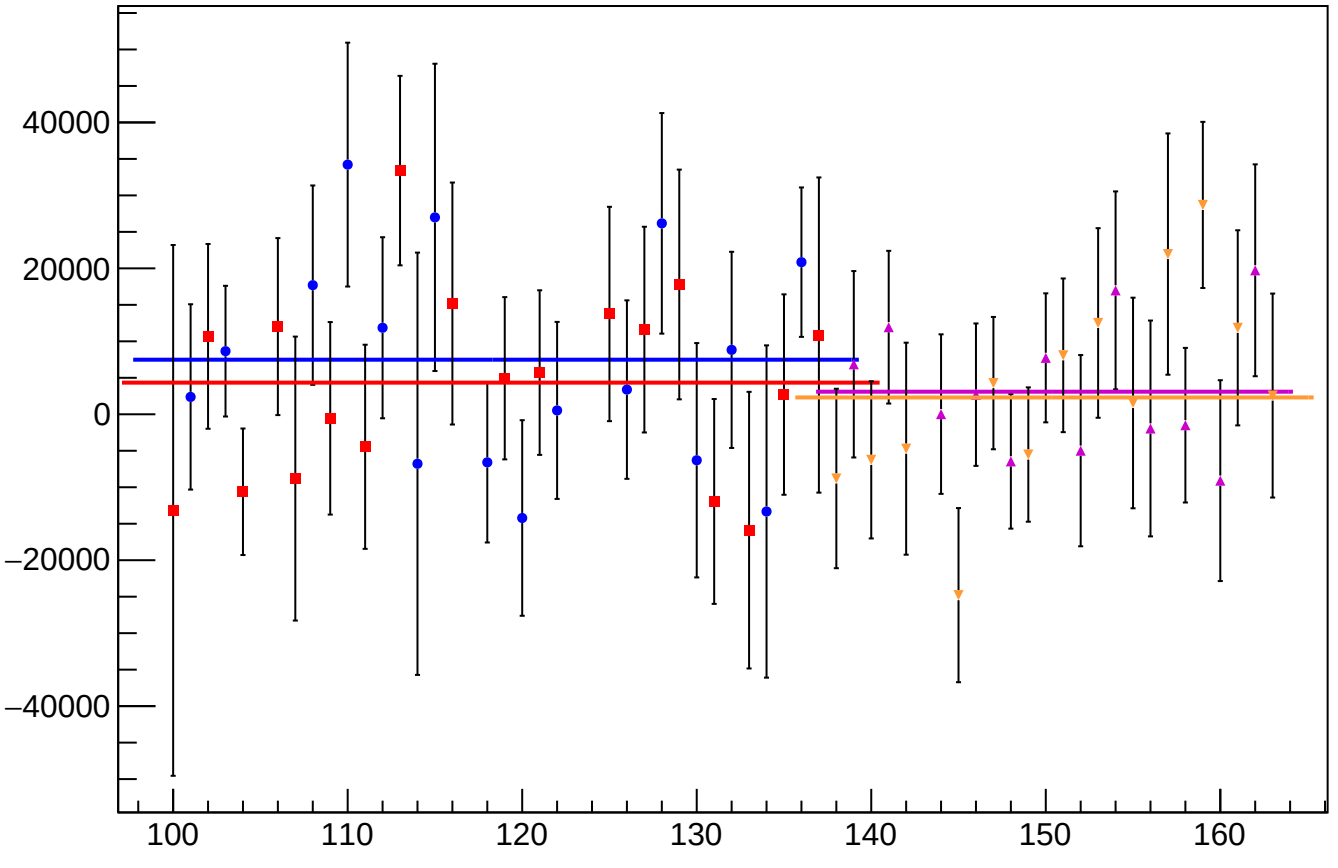
Left: 10617.403+/-1.679 χ^2/NDF: 1161885.4/24

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9615.981+/-1.657 χ^2/NDF:1266207.1/27

Out: 9200.184+/-1.593 χ^2/NDF:1804255.5/30

All: 9399.946+/-1.148 χ^2/NDF: 3103197.0/58



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 2305.724+/-3283.277 χ^2/NDF:15.8/12

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 3095.329+/-3271.577 χ^2/NDF:6.1/11

Left: 2701.936+/-2317.480 χ^2/NDF: 21.9/24

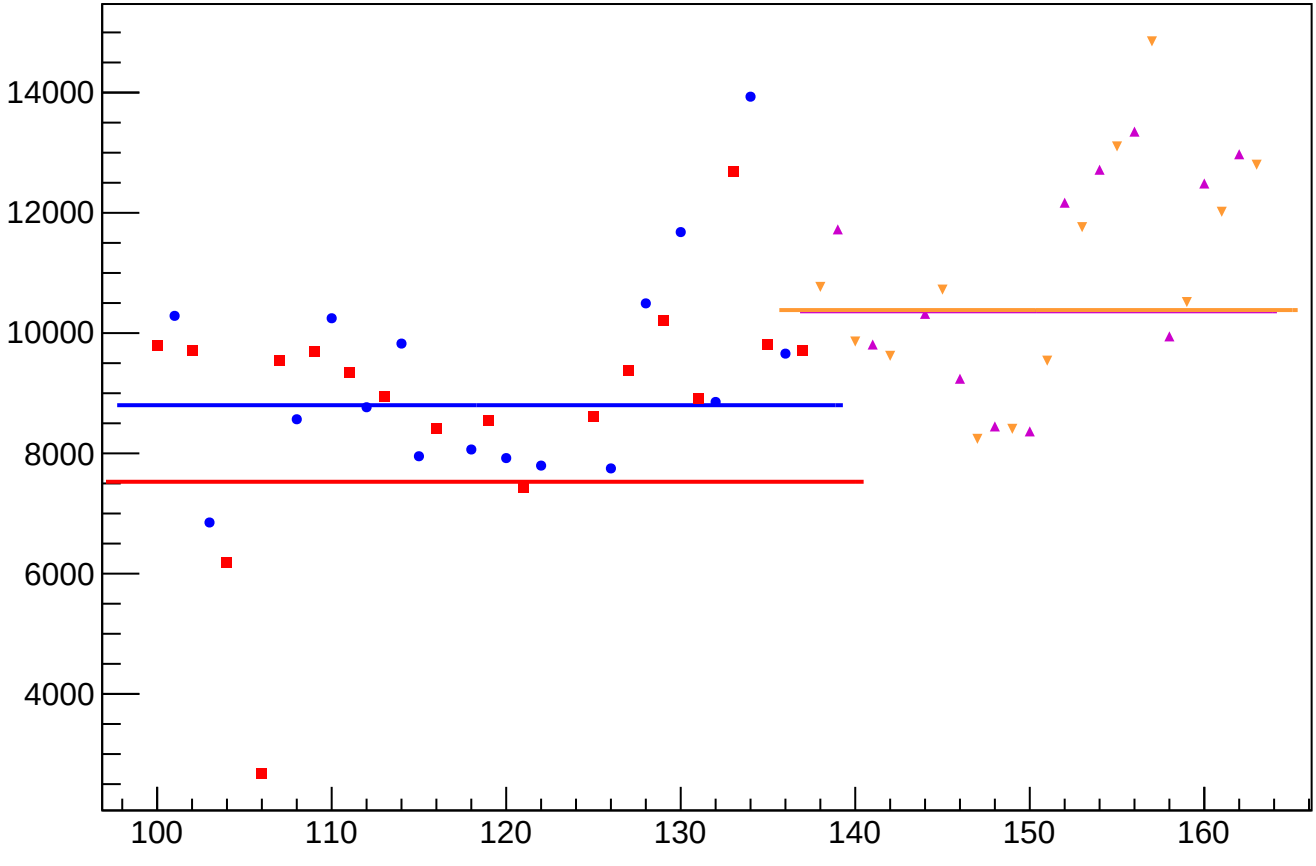
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5249.130+/-2334.051 χ^2/NDF:21.0/27

Out: 3334.607+/-2307.119 χ^2/NDF:30.3/30

All: 4280.759+/-1640.818 χ^2/NDF: 51.6/58

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10382.855+/-2.322 χ^2/NDF:559783.7/12

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10362.497+/-2.313 χ^2/NDF:538279.7/11

Left: 10372.640+/-1.639 χ^2/NDF: 1098102.0/24

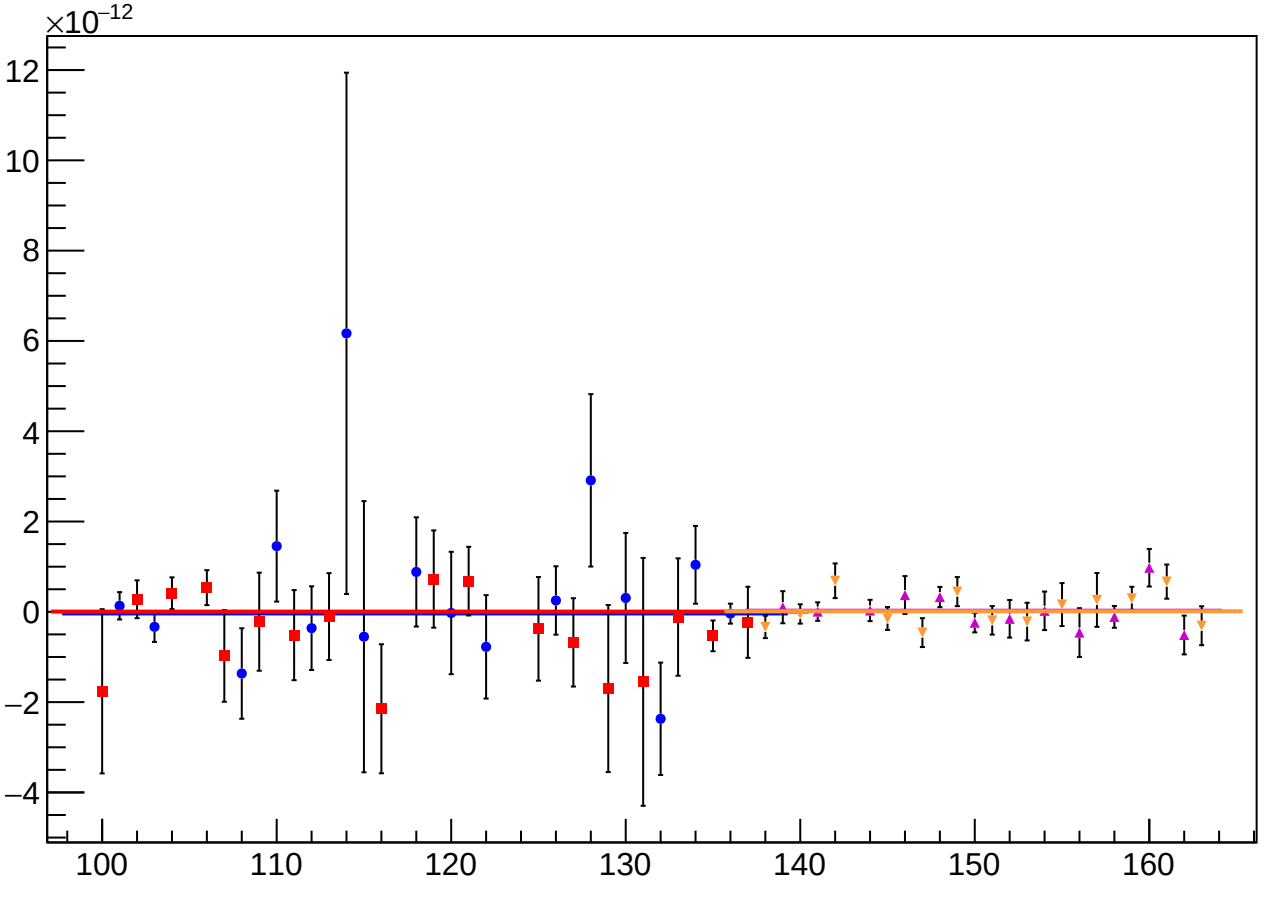
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9595.808+/-1.650 χ^2/NDF:1156549.2/27

Out: 8831.540+/-1.569 χ^2/NDF:3038813.0/30

All: 9194.322+/-1.137 χ^2/NDF: 4308012.0/58

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: 0.000+/-0.000 χ^2/NDF:12.2/11

Left: 0.000+/-0.000 χ^2/NDF: 27.5/24

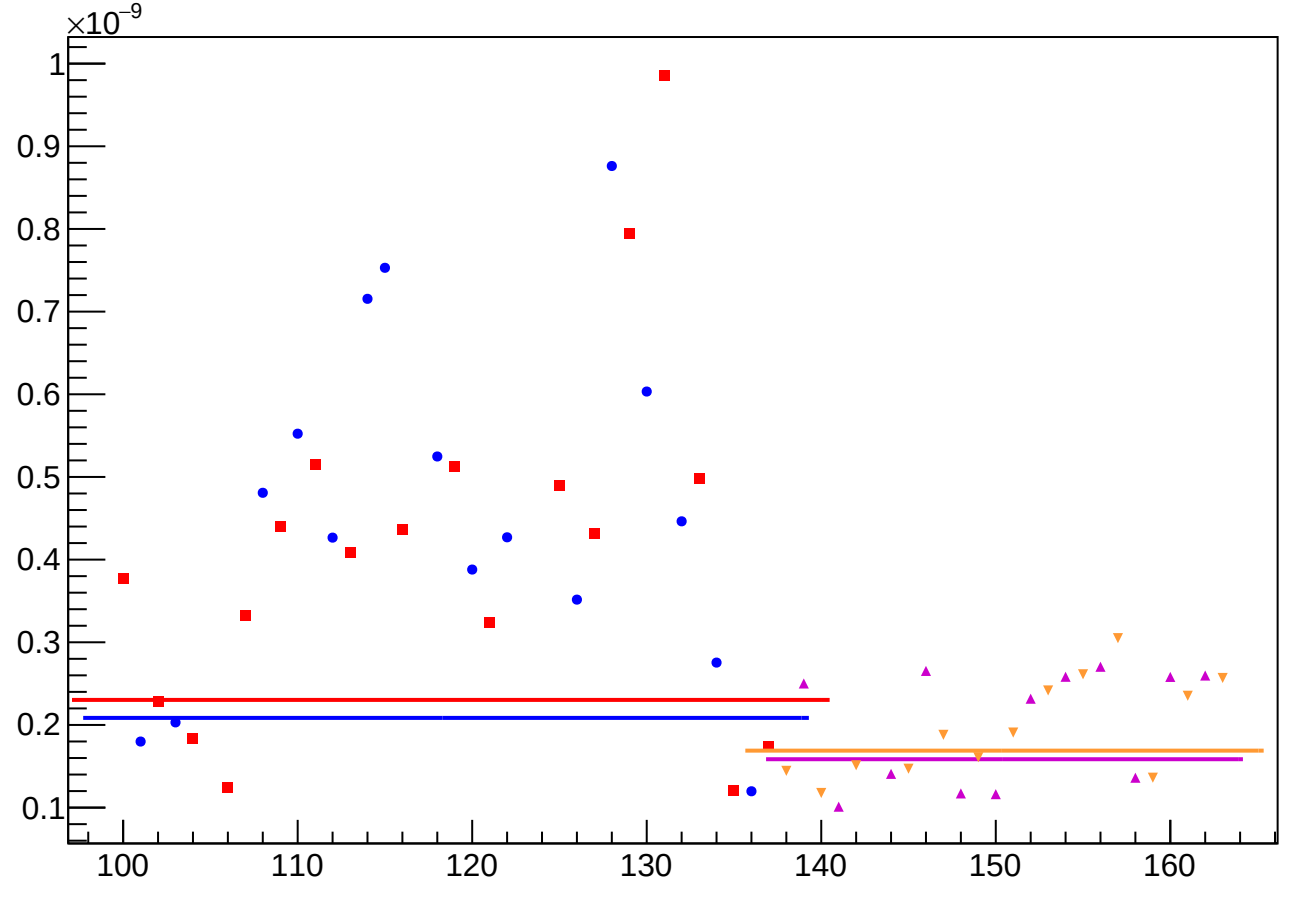
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:26.6/27

Out: 0.000+/-0.000 χ^2/NDF:29.0/30

All: 0.000+/-0.000 χ^2/NDF: 55.7/58

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:588776.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1076496.1/11

Left: 0.000+/-0.000 χ^2/NDF: 1679851.2/24

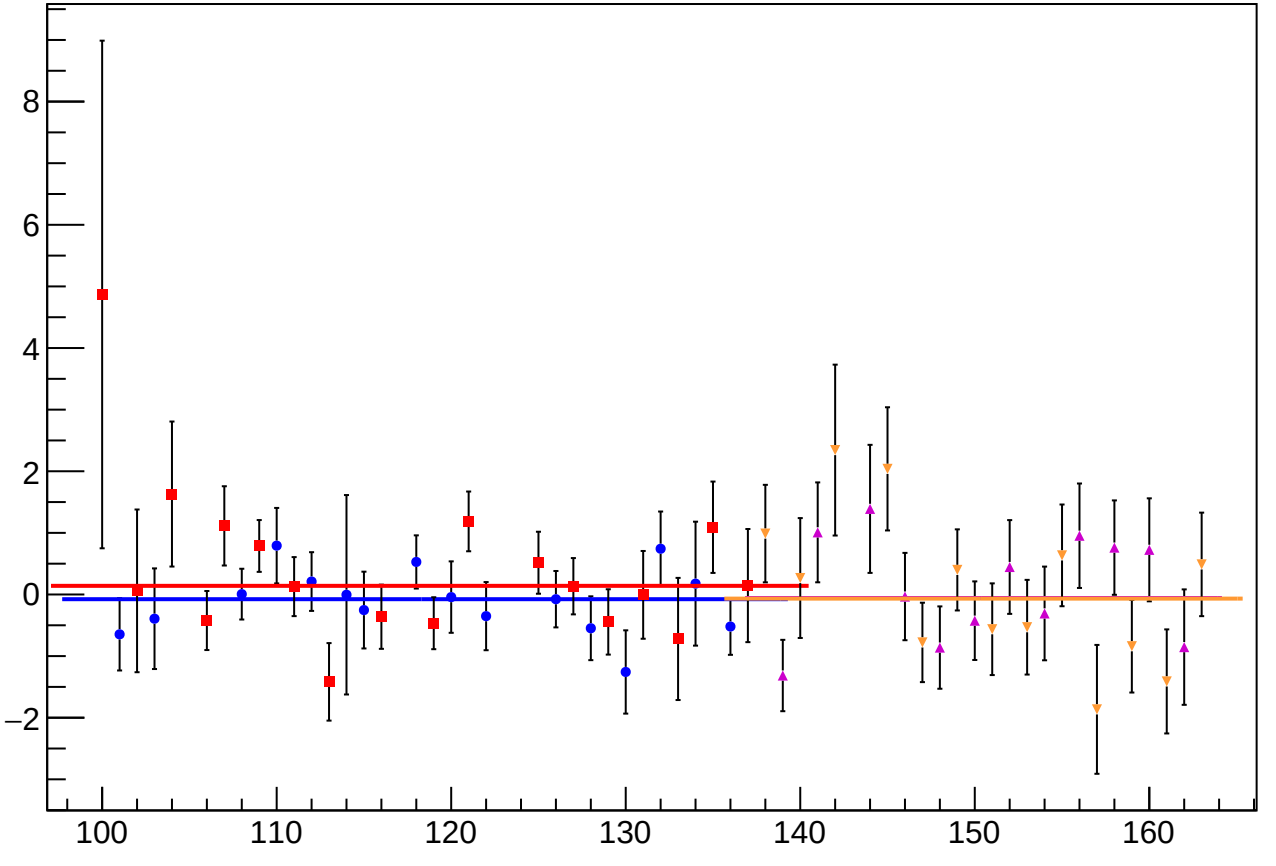
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2892355.6/27

Out: 0.000+/-0.000 χ^2/NDF:2384454.4/30

All: 0.000+/-0.000 χ^2/NDF: 5302384.4/58

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: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.057+/-0.217 χ^2/NDF:14.9/11

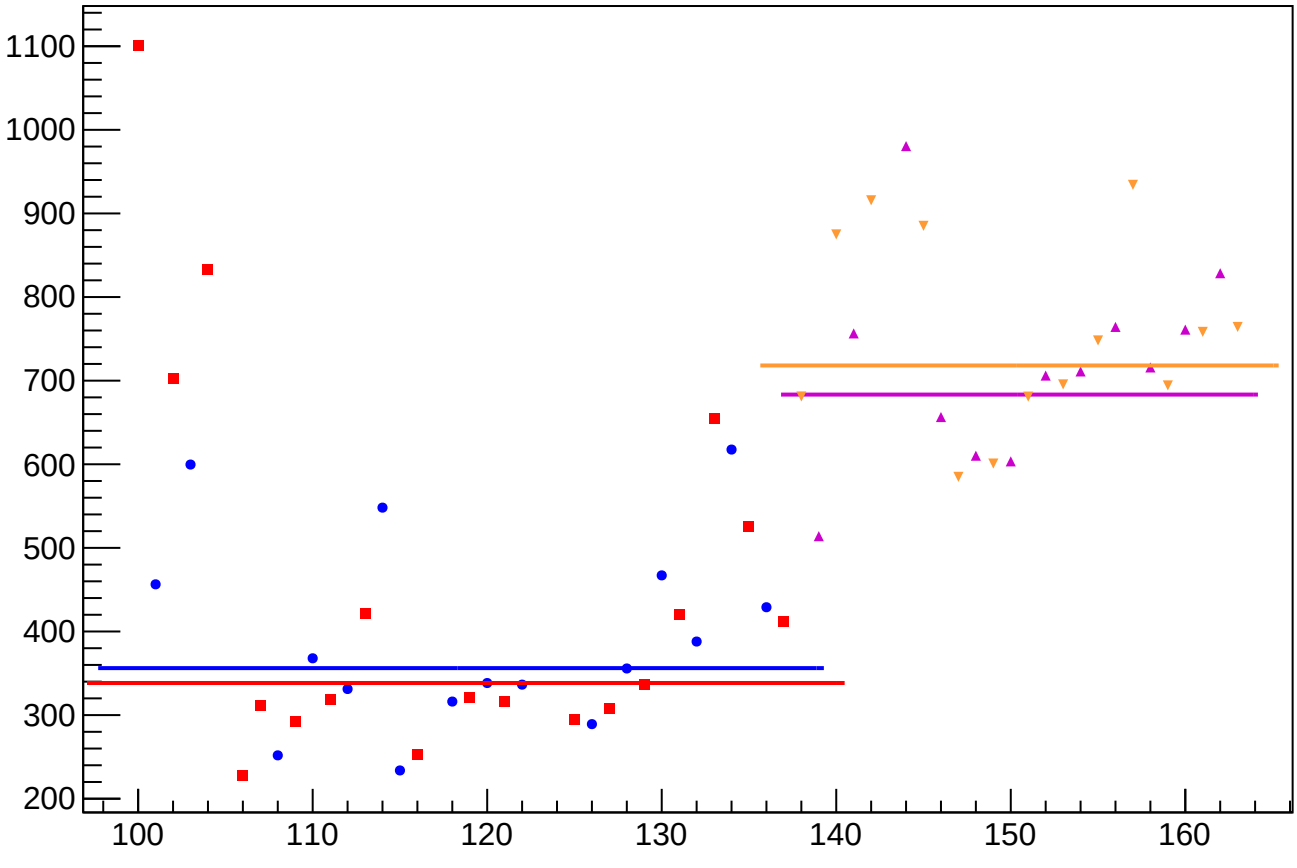
Left: -0.062+/-0.157 χ^2/NDF: 34.5/24

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.071+/-0.118 χ^2/NDF:27.4/27

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.007+/-0.083 χ^2/NDF: 75.4/58


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1100
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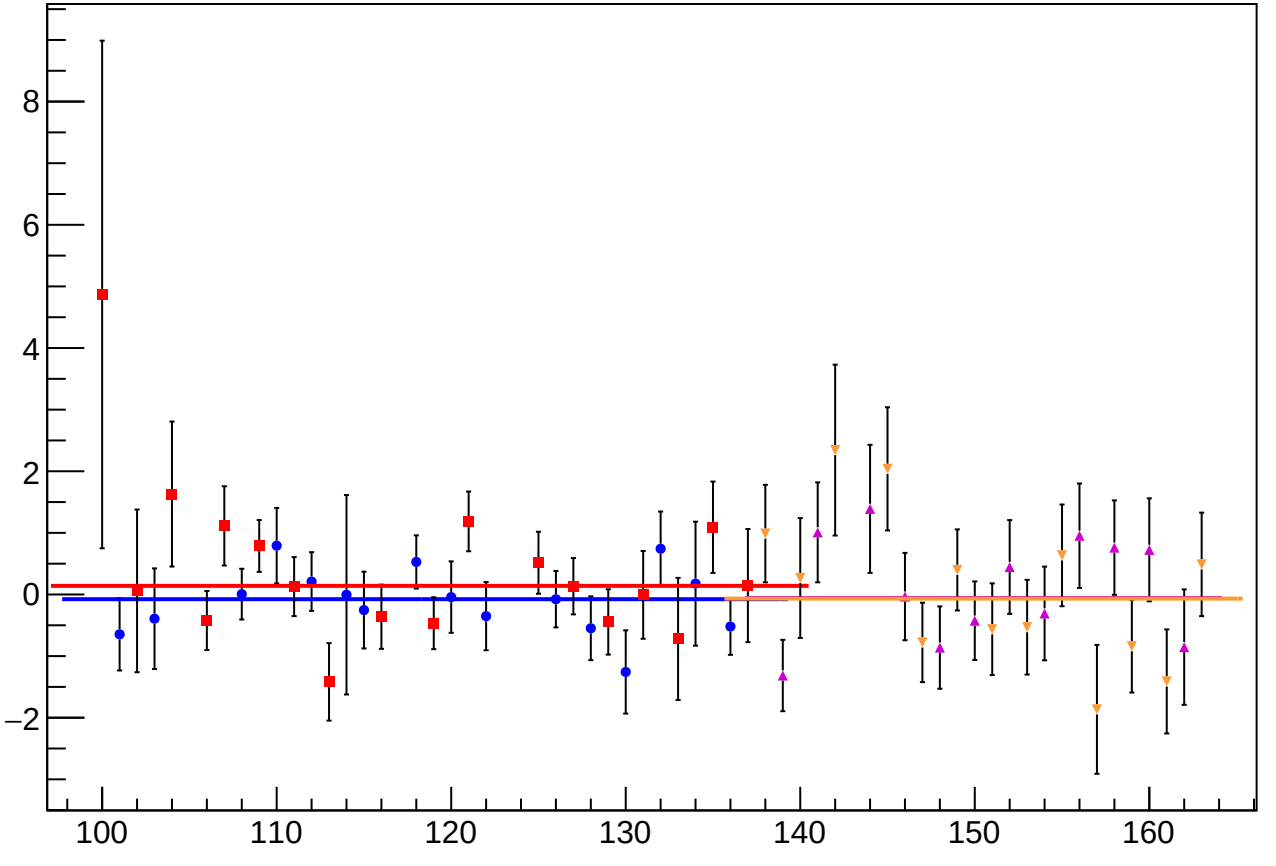
150
160
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 718.161+/-0.161 χ²/NDF:408992.3/12
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 683.347+/-0.153 χ²/NDF:500657.4/11
Left: 699.947+/-0.111 χ²/NDF: 934203.4/24
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 452.265+/-0.083 χ²/NDF:4497642.1/27
Out: 440.680+/-0.083 χ²/NDF:5692627.5/30
All: 446.491+/-0.059 χ²/NDF: 10199948.3/58

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.057+/-0.217 χ^2/NDF:14.9/11

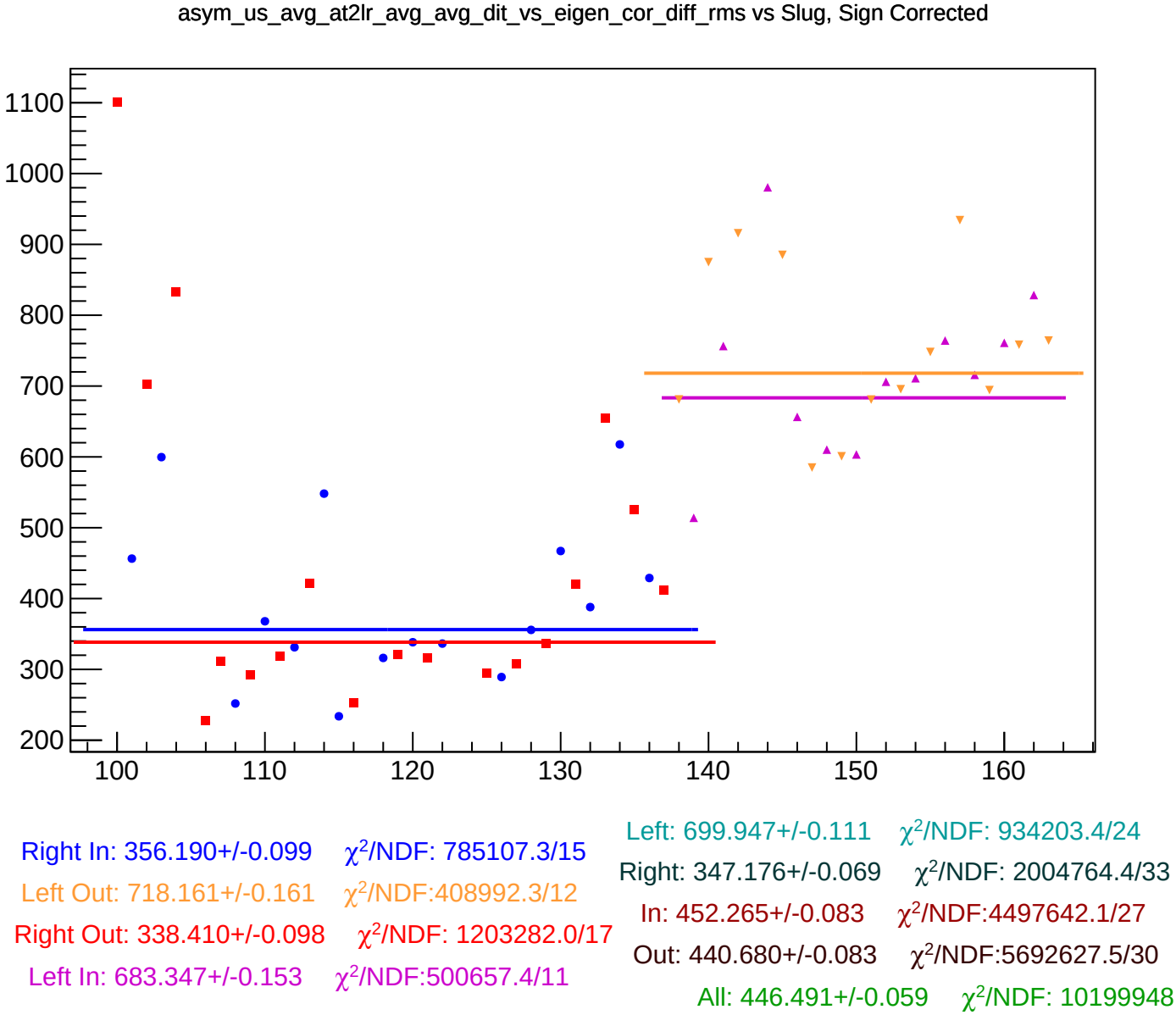
Left: -0.062+/-0.157 χ^2/NDF: 34.5/24

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.071+/-0.118 χ^2/NDF:27.4/27

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.007+/-0.083 χ^2/NDF: 75.4/58


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1100
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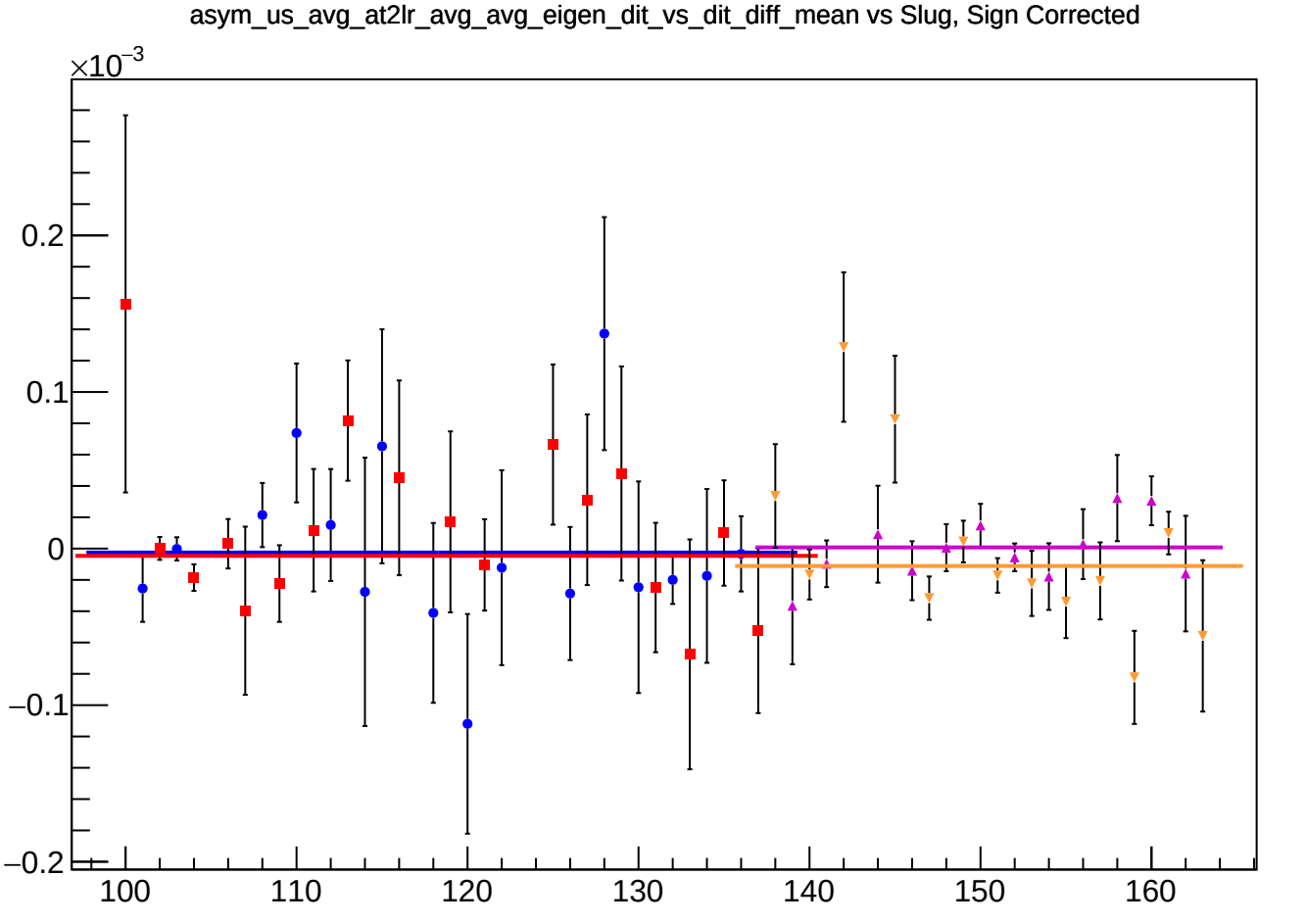
150
160
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 718.161+/-0.161 χ²/NDF:408992.3/12
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 683.347+/-0.153 χ²/NDF:500657.4/11
Left: 699.947+/-0.111 χ²/NDF: 934203.4/24
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 452.265+/-0.083 χ²/NDF:4497642.1/27
Out: 440.680+/-0.083 χ²/NDF:5692627.5/30
All: 446.491+/-0.059 χ²/NDF: 10199948.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/11

Left: -0.000+/-0.000 χ^2/NDF: 42.6/24

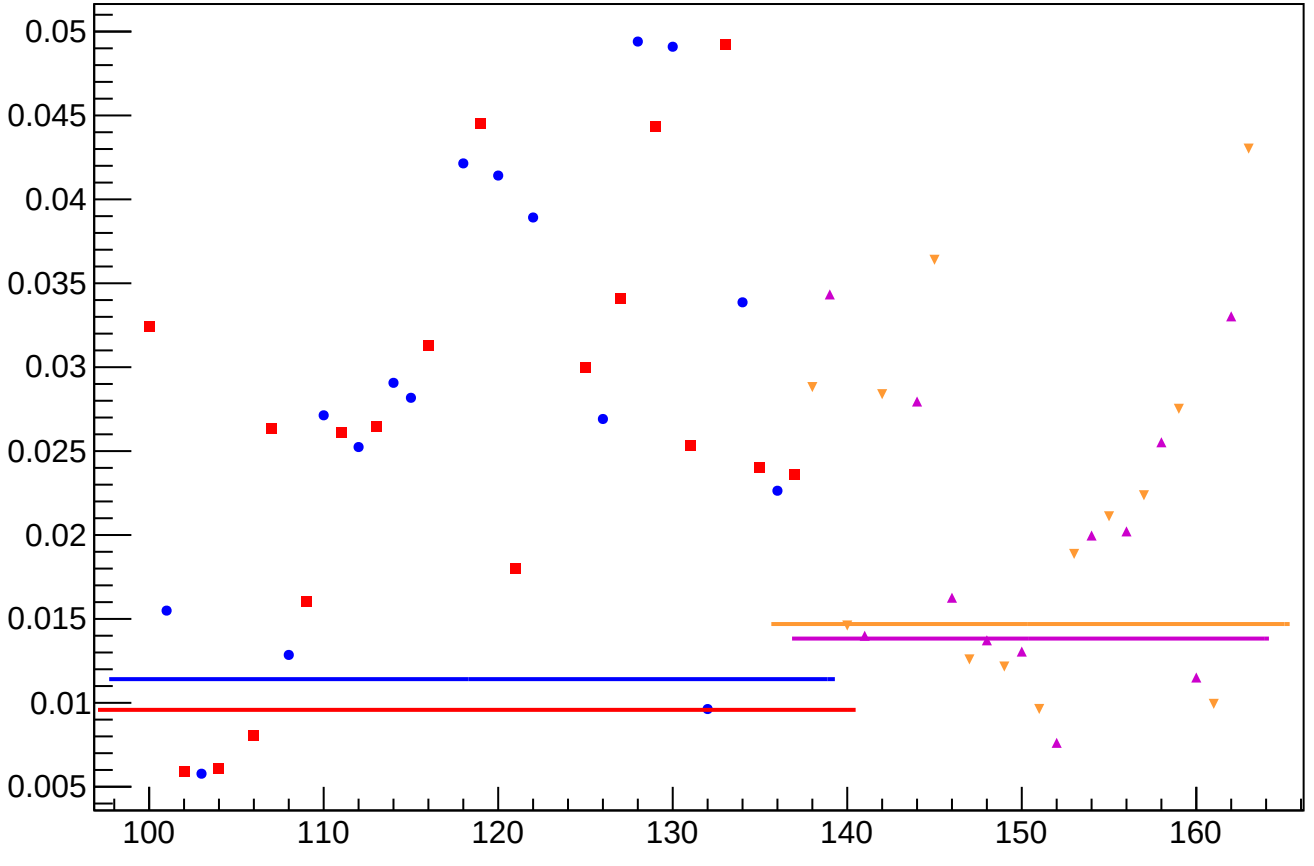
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: -0.000+/-0.000 χ^2/NDF:24.9/27

Out: -0.000+/-0.000 χ^2/NDF:48.1/30

All: -0.000+/-0.000 χ^2/NDF: 74.8/58

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.015+/-0.000 χ^2/NDF:3374300.9/12

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.014+/-0.000 χ^2/NDF:3316788.9/11

Left: 0.014+/-0.000 χ^2/NDF: 6720892.7/24

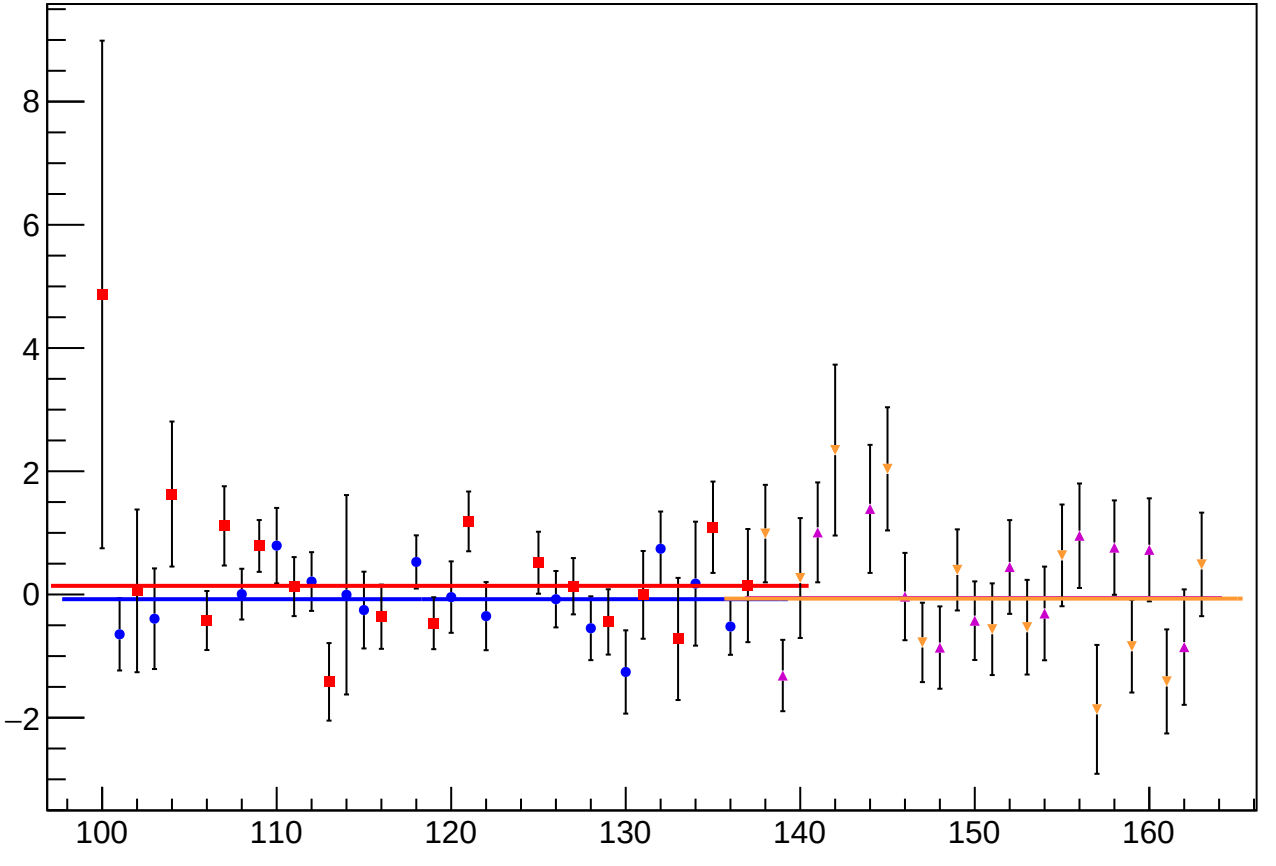
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:9030481.1/27

Out: 0.012+/-0.000 χ^2/NDF:10233851.3/30

All: 0.012+/-0.000 χ^2/NDF: 19321728.6/58

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.057+/-0.217 χ^2/NDF:14.9/11

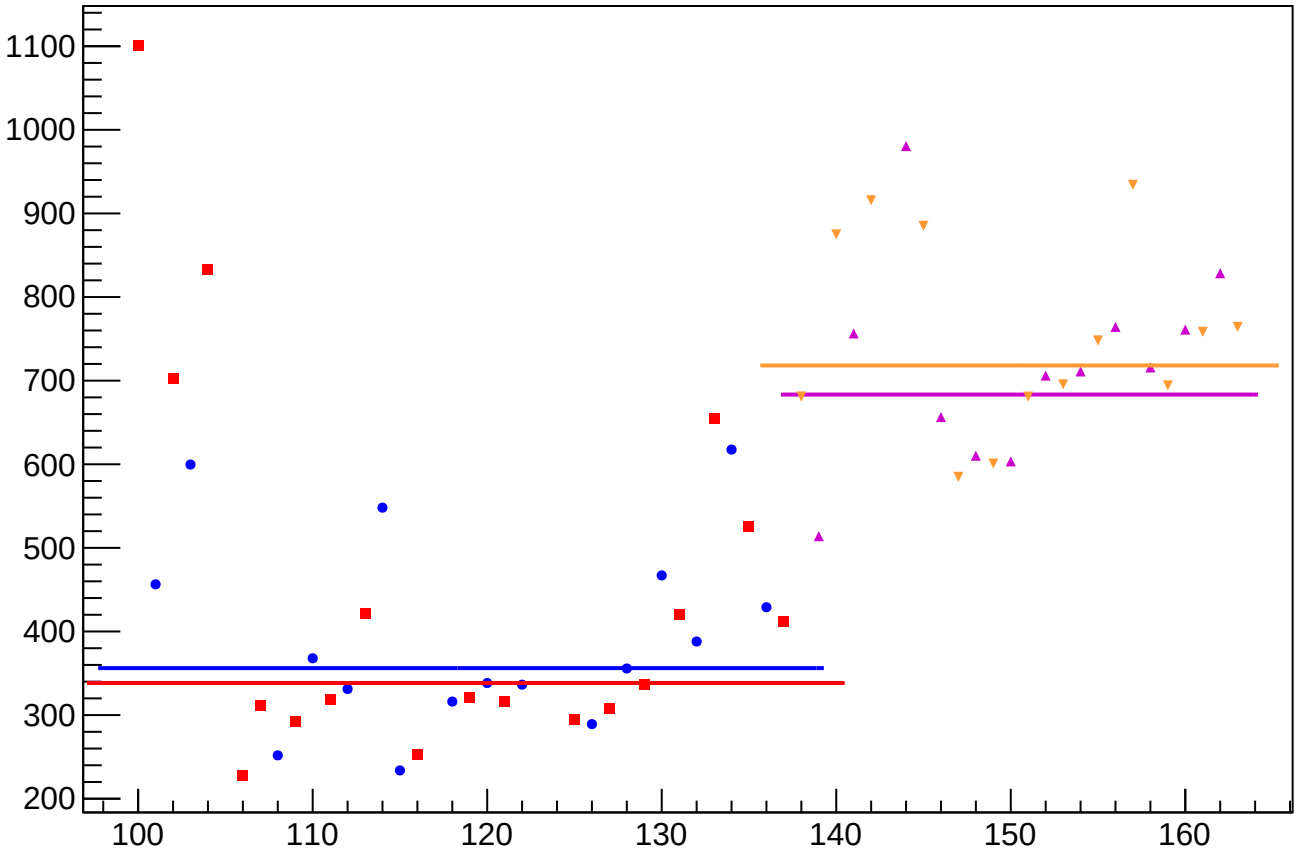
Left: -0.062+/-0.157 χ^2/NDF: 34.5/24

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.071+/-0.118 χ^2/NDF:27.4/27

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.007+/-0.083 χ^2/NDF: 75.4/58



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 718.171+/-0.161 χ^2/NDF:409007.0/12

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 683.357+/-0.153 χ^2/NDF:500652.6/11

Left: 699.958+/-0.111 χ^2/NDF: 934212.5/24

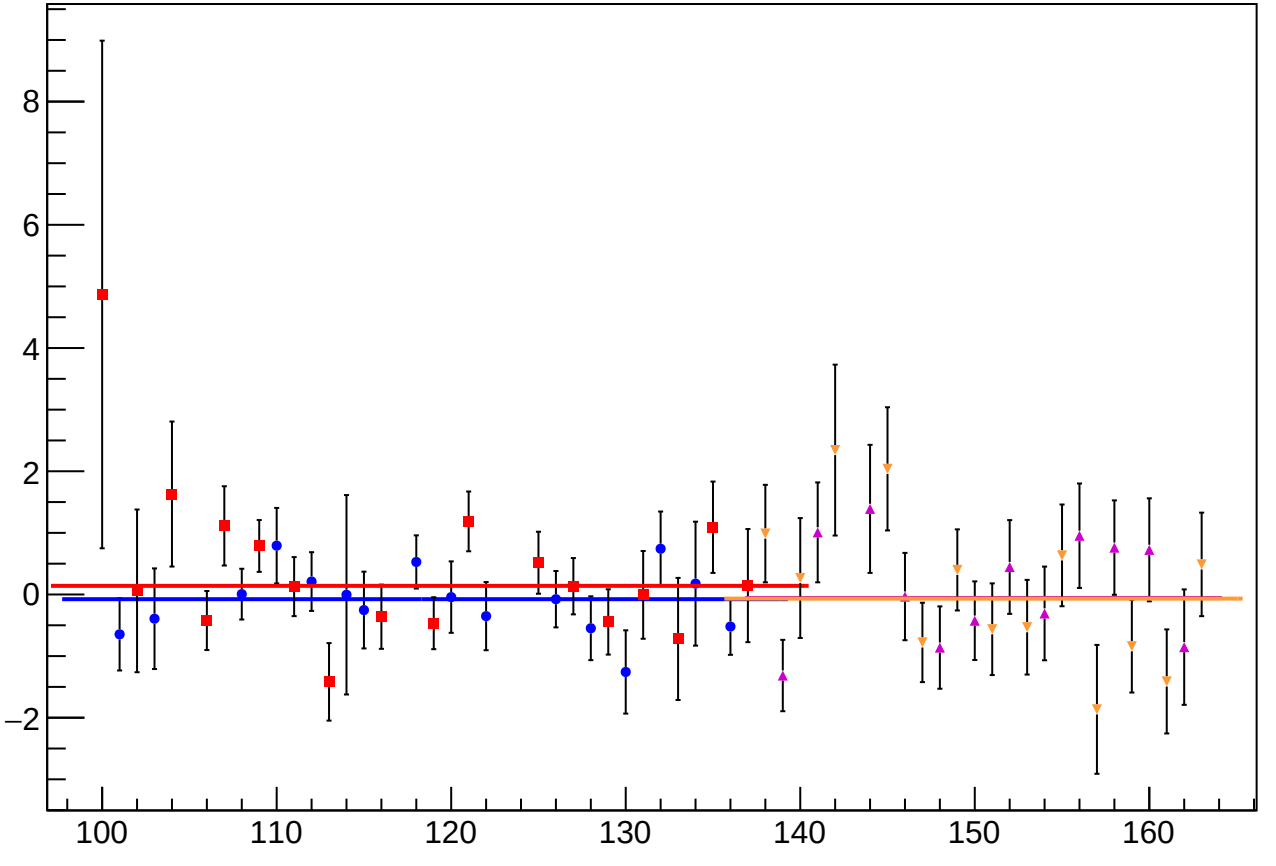
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 452.265+/-0.083 χ^2/NDF:4497780.0/27

Out: 440.678+/-0.083 χ^2/NDF:5692819.5/30

All: 446.489+/-0.059 χ^2/NDF: 10200280.3/58

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: -0.067+/-0.227 χ^2/NDF:19.6/12

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.057+/-0.217 χ^2/NDF:14.9/11

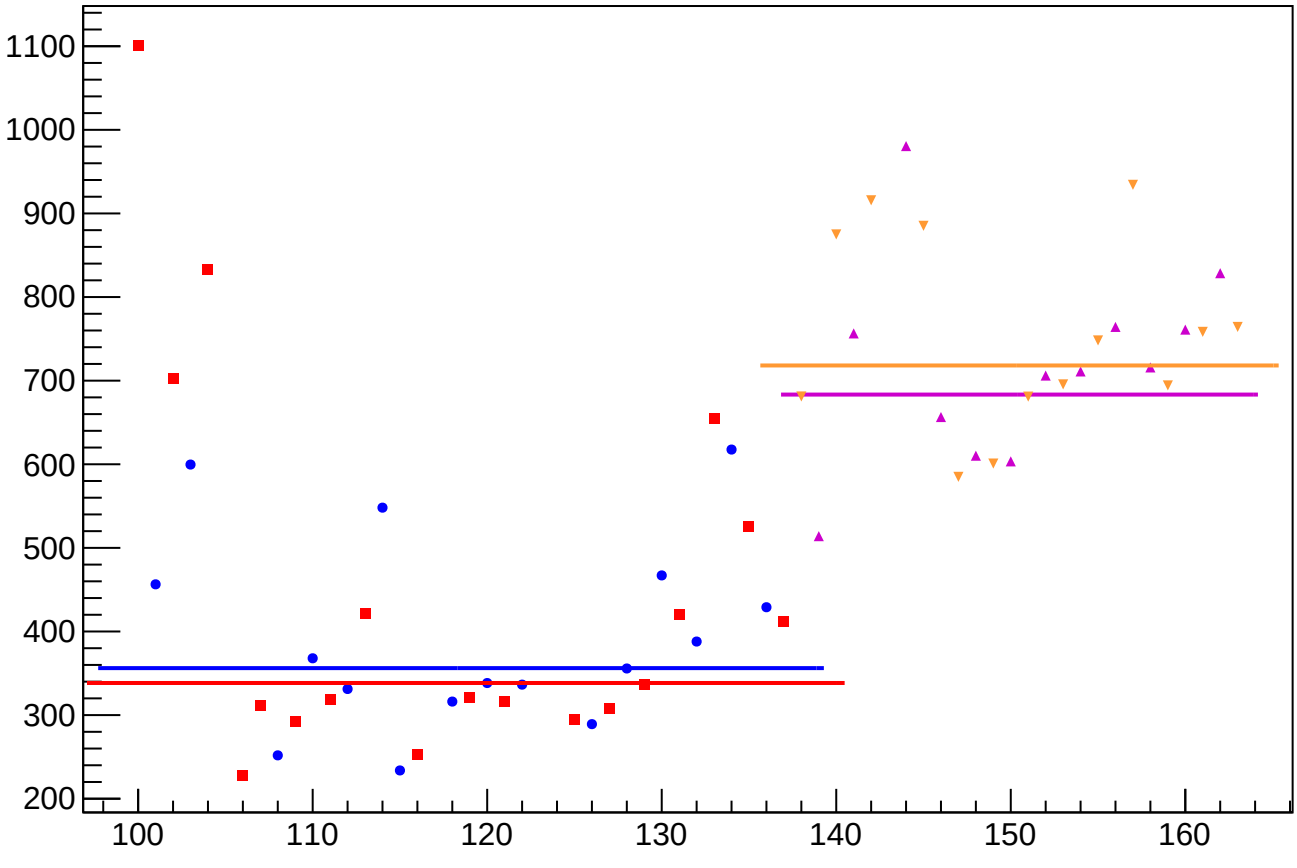
Left: -0.062+/-0.157 χ^2/NDF: 34.5/24

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.071+/-0.118 χ^2/NDF:27.4/27

Out: 0.084+/-0.118 χ^2/NDF:47.2/30

All: 0.007+/-0.083 χ^2/NDF: 75.4/58



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 718.171+/-0.161 χ^2/NDF:409007.0/12

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 683.357+/-0.153 χ^2/NDF:500652.6/11

Left: 699.958+/-0.111 χ^2/NDF: 934212.5/24

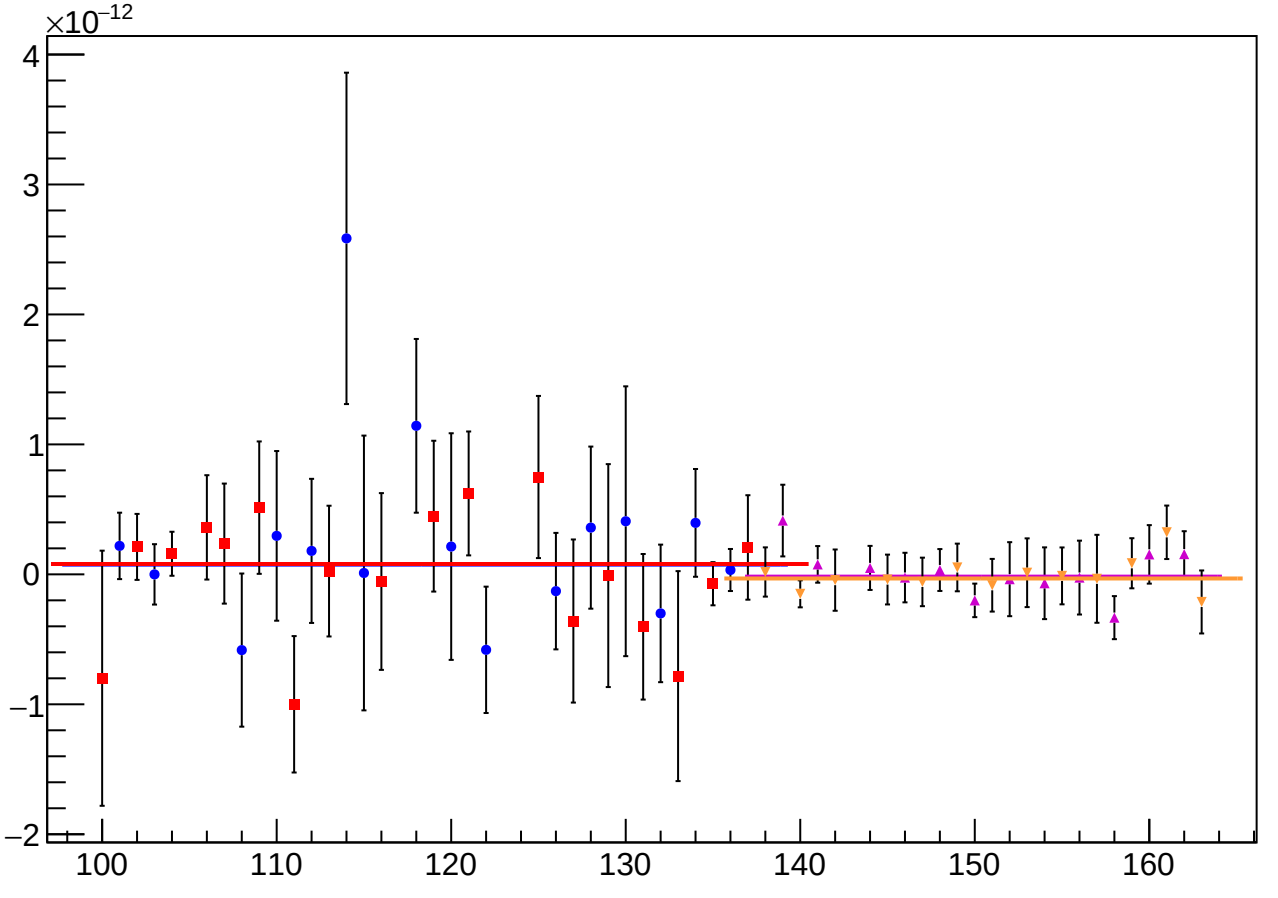
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 452.265+/-0.083 χ^2/NDF:4497780.0/27

Out: 440.678+/-0.083 χ^2/NDF:5692819.5/30

All: 446.489+/-0.059 χ^2/NDF: 10200280.3/58

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/11

Left: -0.000+/-0.000 χ^2/NDF: 16.0/24

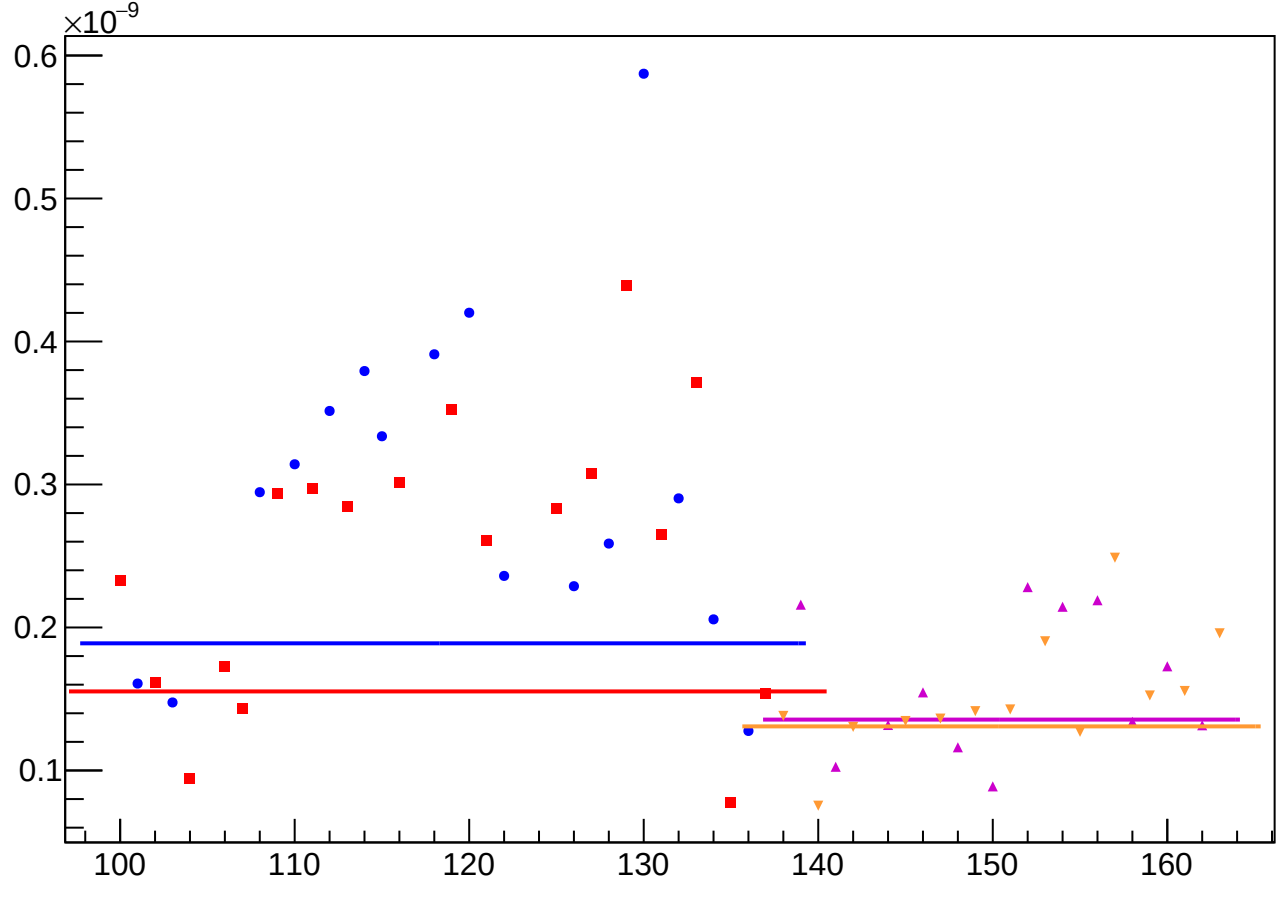
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:22.9/27

Out: -0.000+/-0.000 χ^2/NDF:19.9/30

All: 0.000+/-0.000 χ^2/NDF: 42.8/58

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:1132153.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1194941.0/11

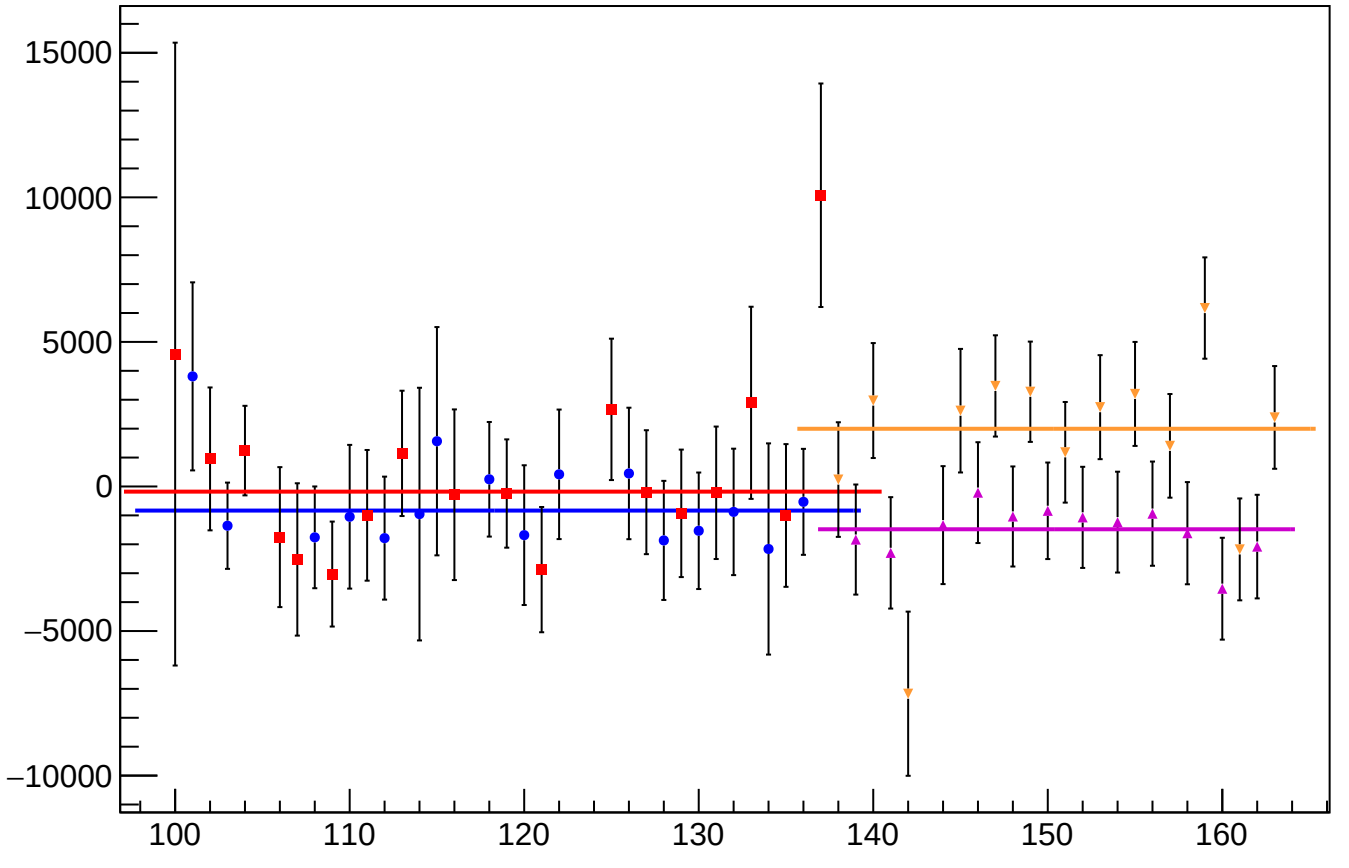
Left: 0.000+/-0.000 χ^2/NDF: 2335122.4/24

Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3184161.0/27

Out: 0.000+/-0.000 χ^2/NDF:3451474.4/30

All: 0.000+/-0.000 χ^2/NDF: 6688658.3/58



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1995.963+/-517.572 χ^2/NDF:25.1/12

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1480.193+/-518.148 χ^2/NDF:2.6/11

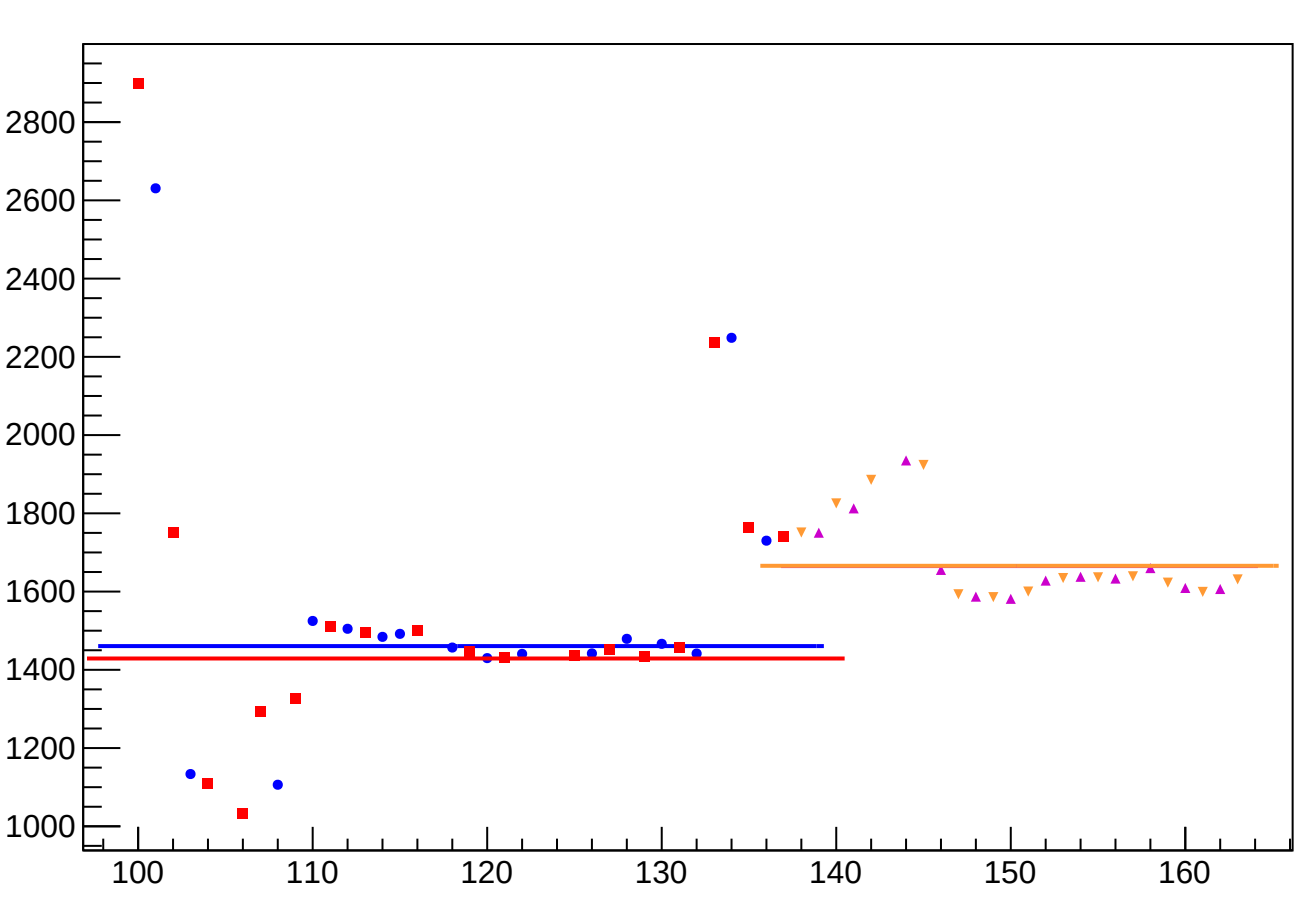
Left: 259.817+/-366.182 χ^2/NDF: 50.2/24

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1178.921+/-378.691 χ^2/NDF:7.9/27

Out: 970.522+/-376.219 χ^2/NDF:49.8/30

All: -97.160+/-266.897 χ^2/NDF: 74.0/58



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1665.190+/-0.366 χ^2/NDF:66138.3/11

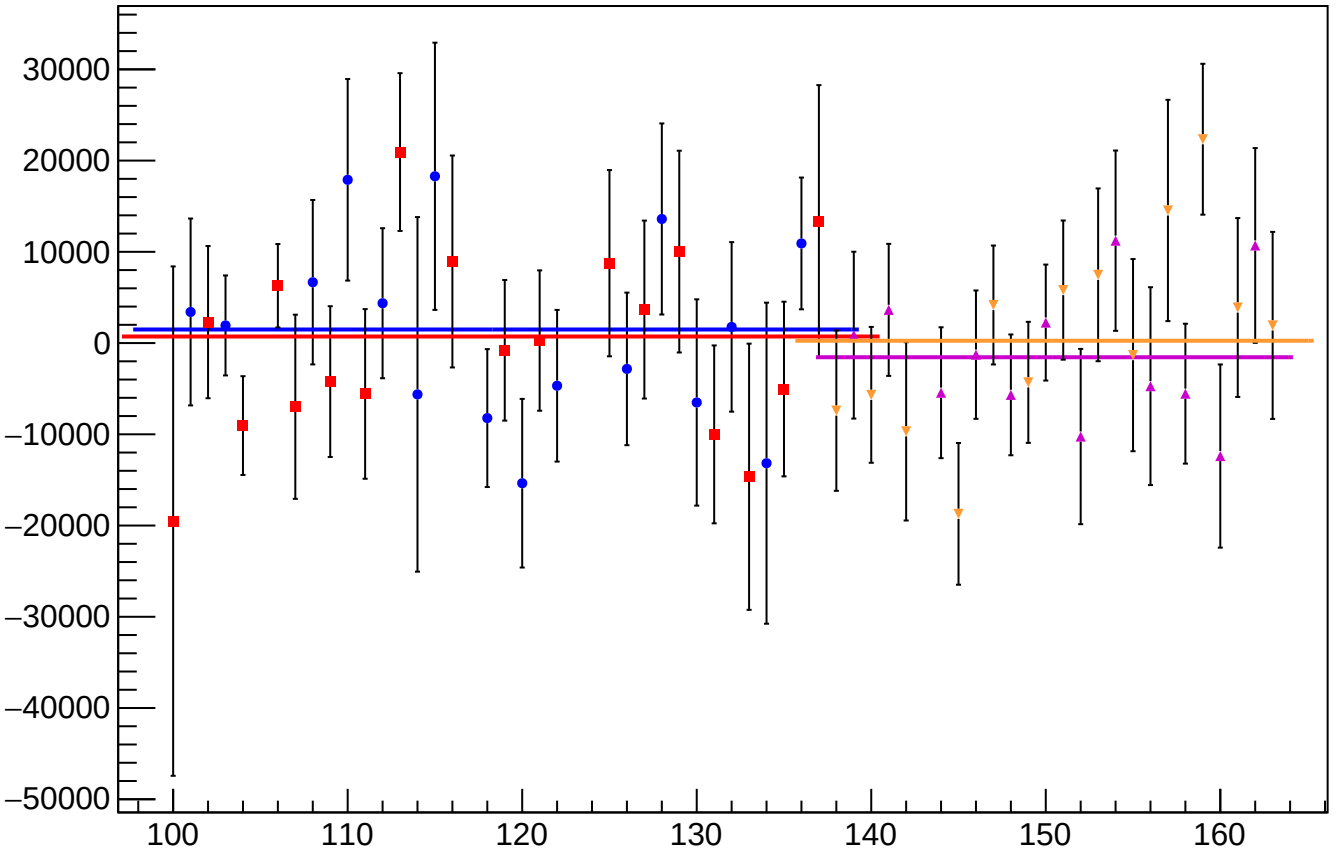
Left: 1665.533+/-0.259 χ^2/NDF: 140801.0/24

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1569.907+/-0.268 χ^2/NDF:787055.7/27

Out: 1553.255+/-0.265 χ^2/NDF:685158.4/30

All: 1561.497+/-0.188 χ^2/NDF: 1474167.1/58



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: 255.369+/-2337.586 χ^2/NDF:19.0/12

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1552.869+/-2333.945 χ^2/NDF:7.0/11

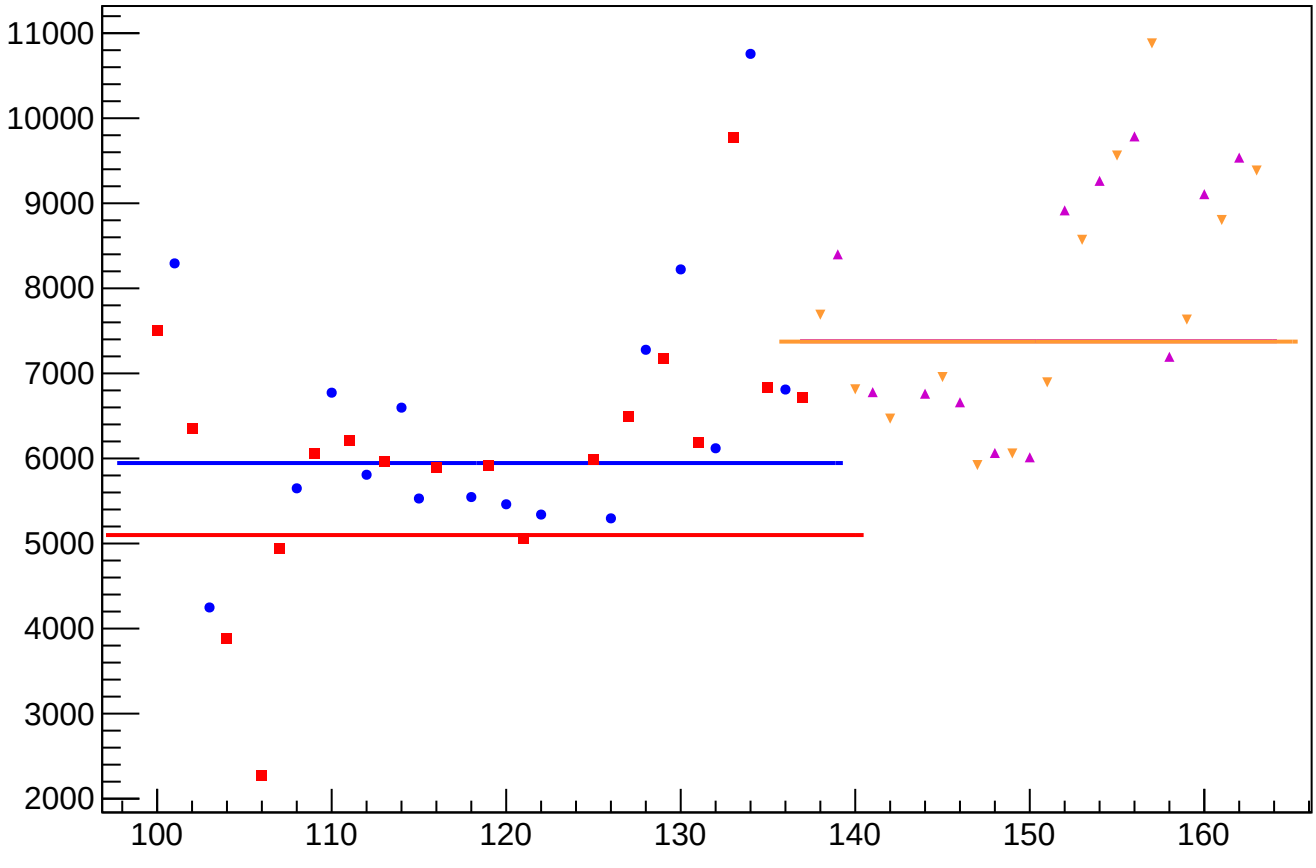
Left: -650.159+/-1651.634 χ^2/NDF: 26.3/24

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 10.824+/-1626.542 χ^2/NDF:22.0/27

Out: 522.416+/-1524.736 χ^2/NDF:36.6/30

All: 283.130+/-1112.402 χ^2/NDF: 58.7/58



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7373.693+/-1.653 χ^2/NDF:629541.4/12

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7378.357+/-1.650 χ^2/NDF:610269.6/11

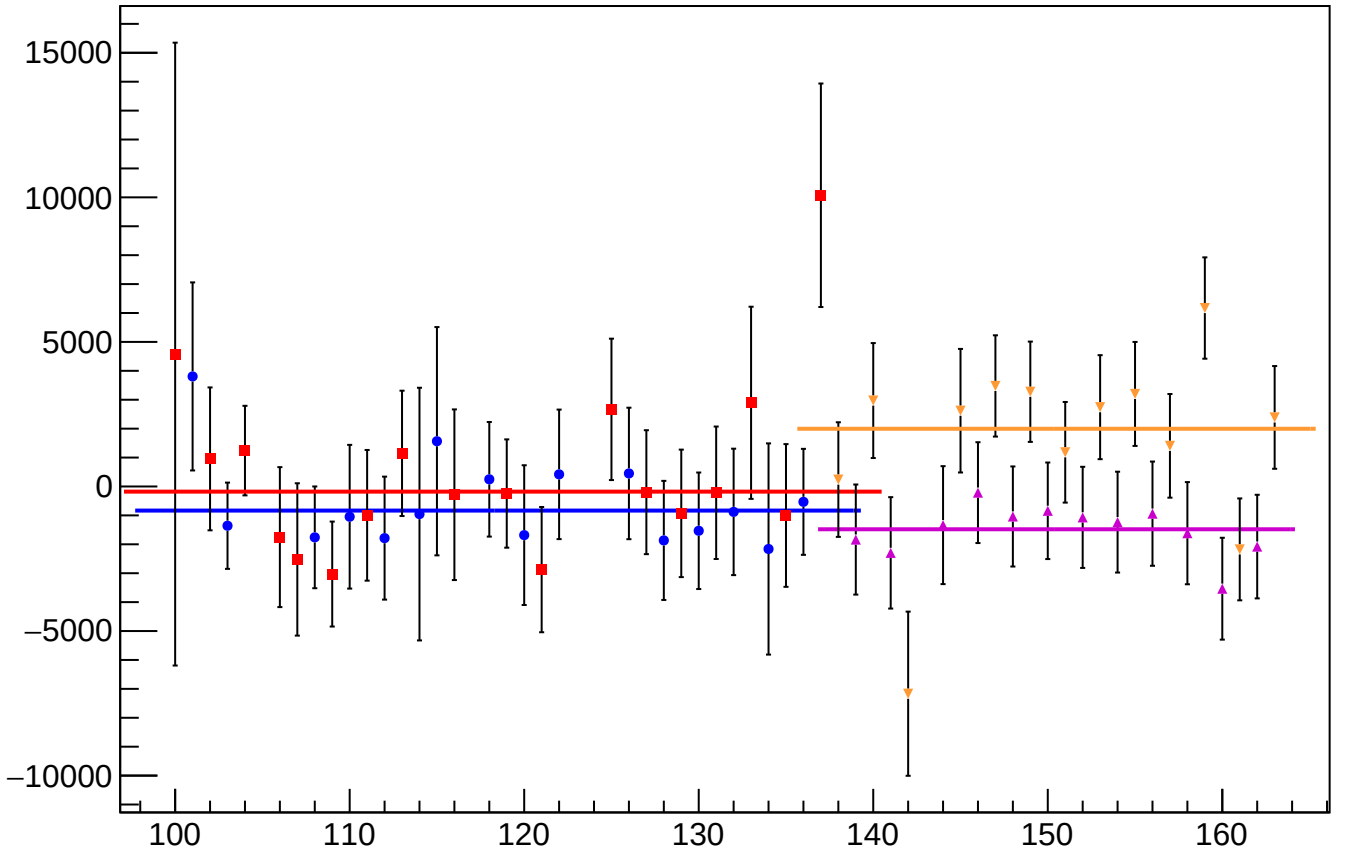
Left: 7376.029+/-1.168 χ^2/NDF: 1239815.0/24

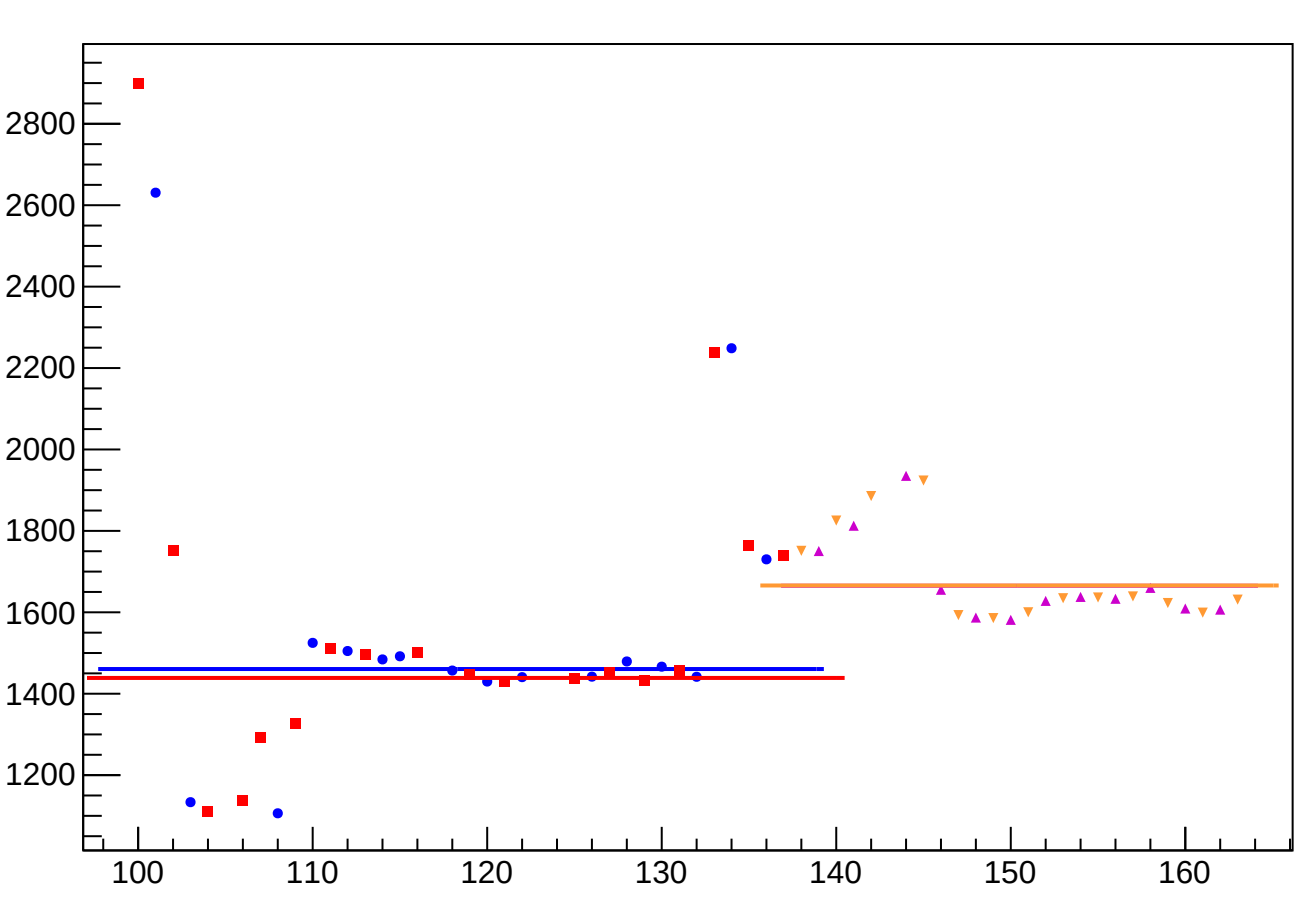
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6641.708+/-1.150 χ^2/NDF:1638781.1/27

Out: 6066.996+/-1.078 χ^2/NDF:3197639.0/30

All: 6335.804+/-0.787 χ^2/NDF: 4969322.8/58


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1996.021+/-517.572 χ²/NDF:25.1/12
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1480.188+/-518.148 χ²/NDF:2.6/11
Left: 259.849+/-366.182 χ²/NDF: 50.2/24
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1178.948+/-378.691 χ²/NDF:7.9/27
Out: 970.628+/-376.219 χ²/NDF:49.8/30
All: -97.120+/-266.897 χ²/NDF: 74.0/58



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1665.190+/-0.366 χ^2/NDF:66138.3/11

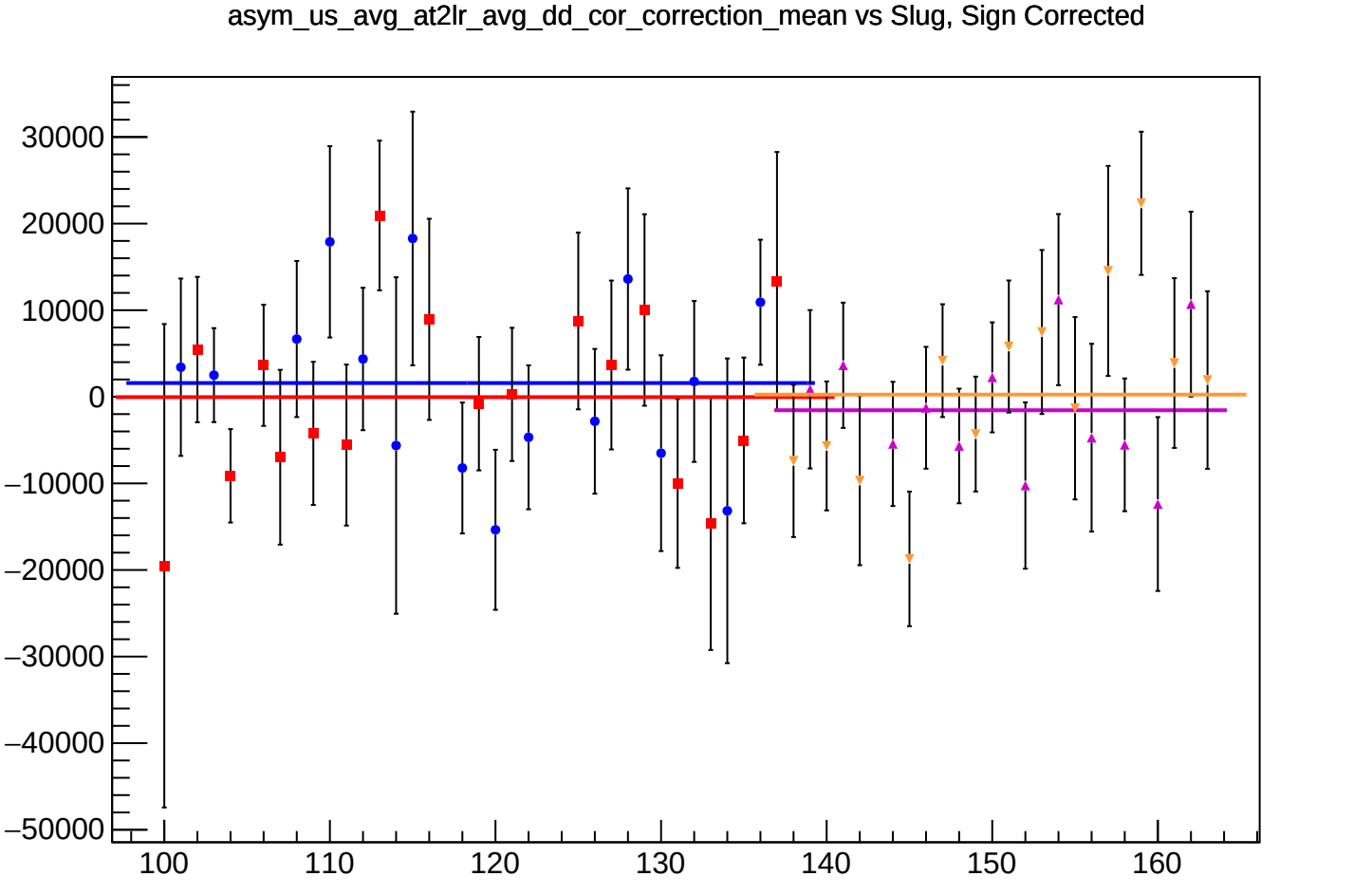
Left: 1665.533+/-0.259 χ^2/NDF: 140801.0/24

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

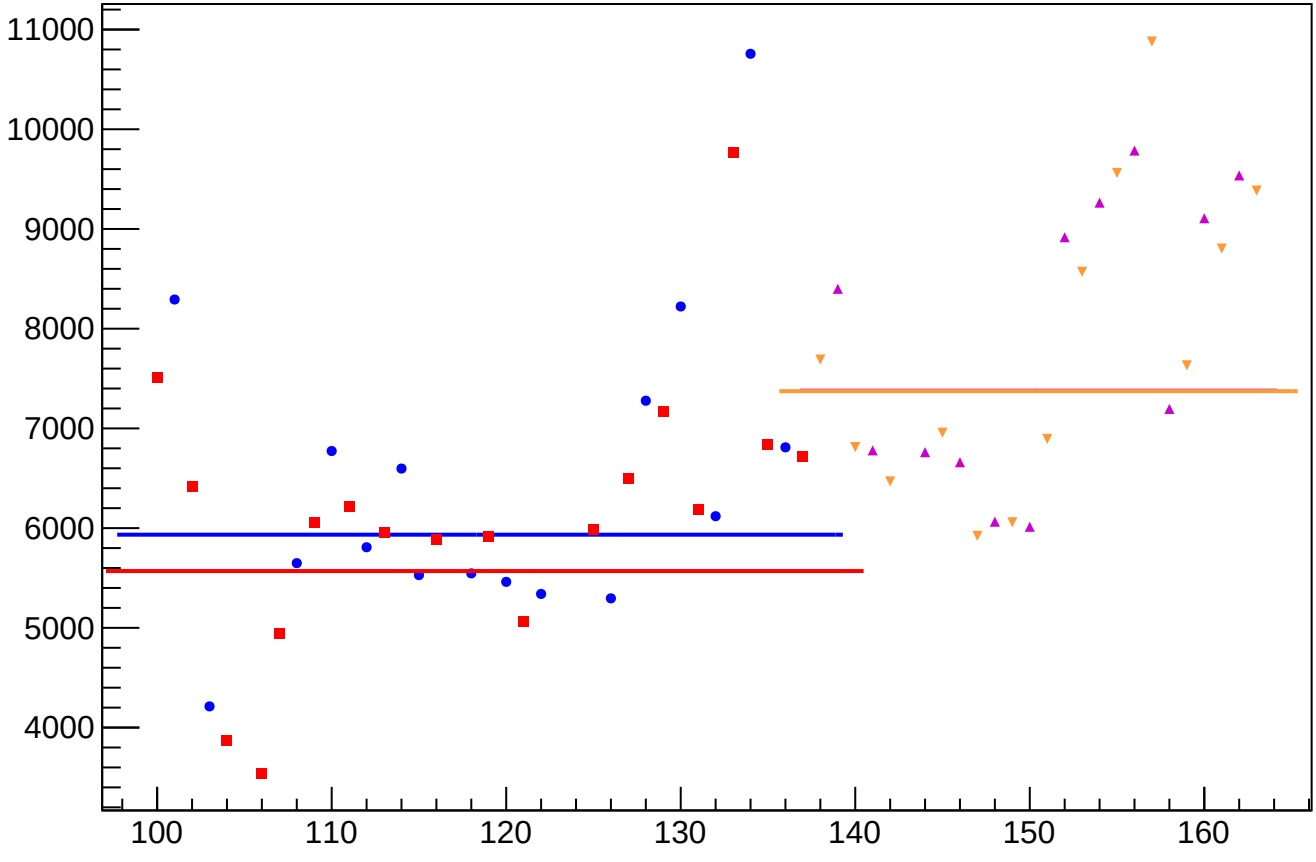
In: 1569.907+/-0.268 χ^2/NDF:787056.2/27

Out: 1558.504+/-0.266 χ^2/NDF:630097.5/30

All: 1564.162+/-0.189 χ^2/NDF: 1418067.2/58


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: 255.362+/-2337.584 χ²/NDF:19.1/12
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1552.906+/-2333.943 χ²/NDF:7.0/11
Left: -650.181+/-1651.633 χ²/NDF: 26.3/24
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 65.472+/-1625.150 χ²/NDF:22.1/27
Out: 93.845+/-1575.647 χ²/NDF:35.5/30
All: 80.097+/-1131.247 χ²/NDF: 57.6/58

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: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7378.352+/-1.650 χ^2/NDF:610272.0/11

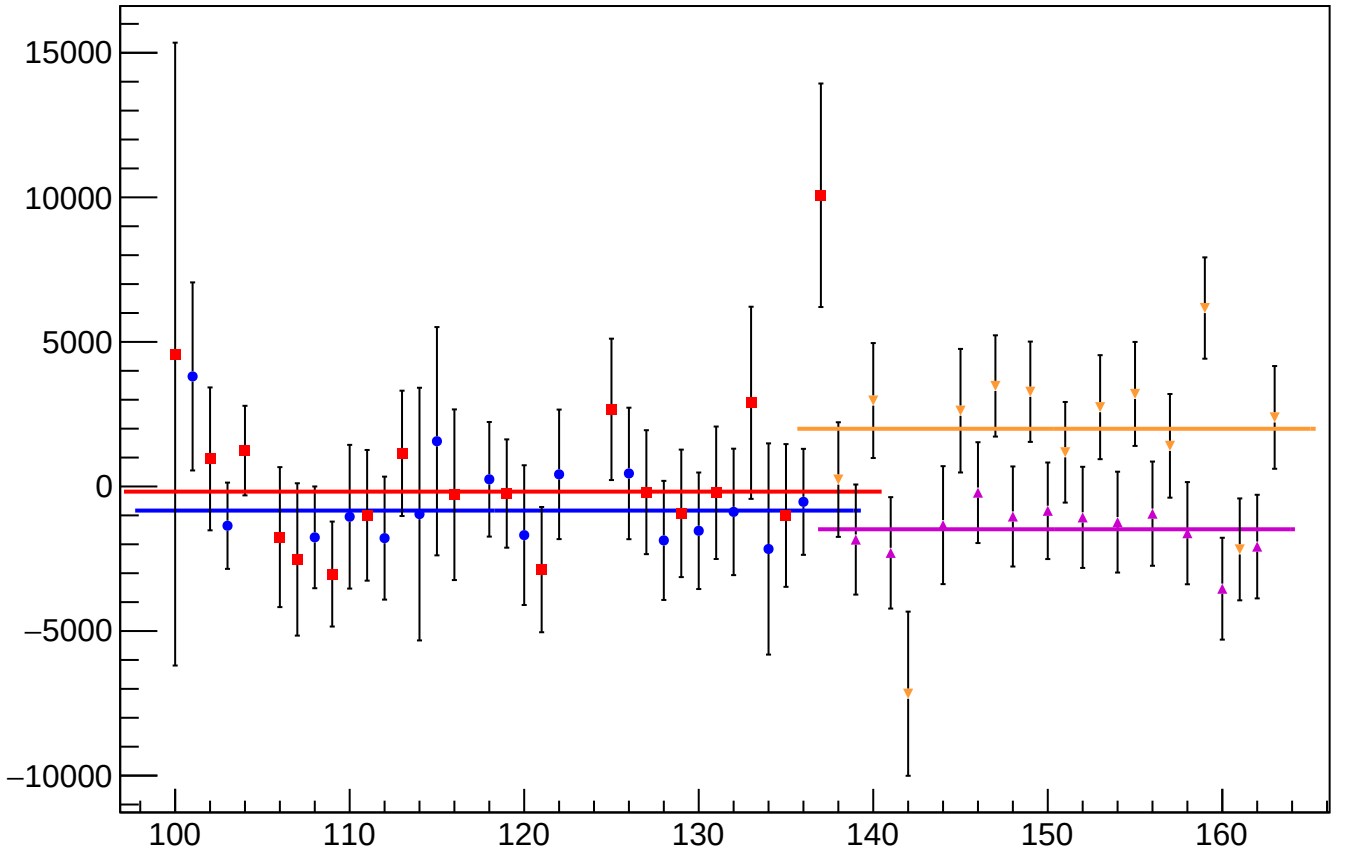
Left: 7376.024+/-1.168 χ^2/NDF: 1239815.8/24

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6634.401+/-1.149 χ^2/NDF:1657816.4/27

Out: 6389.277+/-1.114 χ^2/NDF:2003610.7/30

All: 6508.049+/-0.800 χ^2/NDF: 3684880.7/58



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1996.021+/-517.572 χ^2/NDF:25.1/12

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1480.188+/-518.148 χ^2/NDF:2.6/11

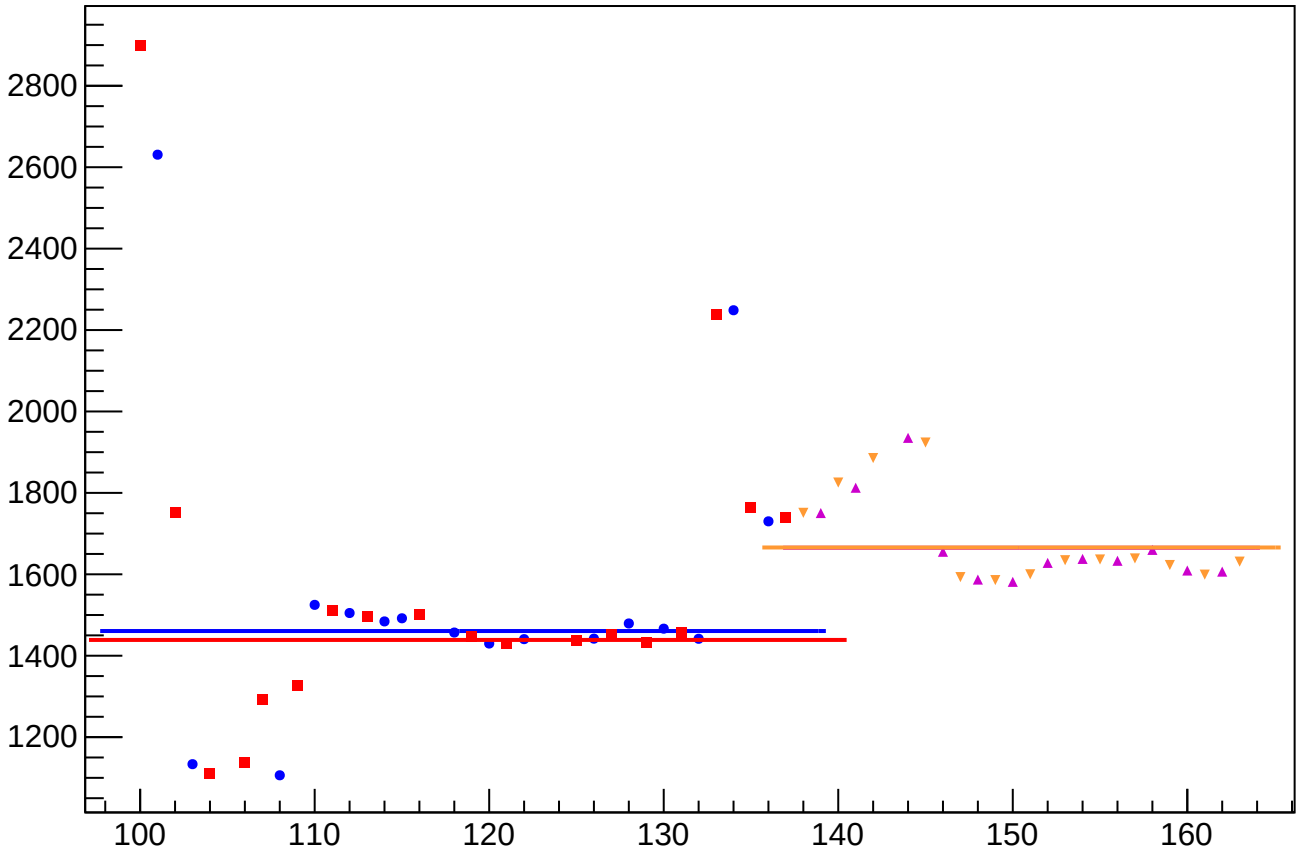
Left: 259.849+/-366.182 χ^2/NDF: 50.2/24

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1178.948+/-378.691 χ^2/NDF:7.9/27

Out: 970.628+/-376.219 χ^2/NDF:49.8/30

All: -97.120+/-266.897 χ^2/NDF: 74.0/58



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1665.876+/-0.366 χ^2/NDF:74660.9/12

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1665.190+/-0.366 χ^2/NDF:66138.3/11

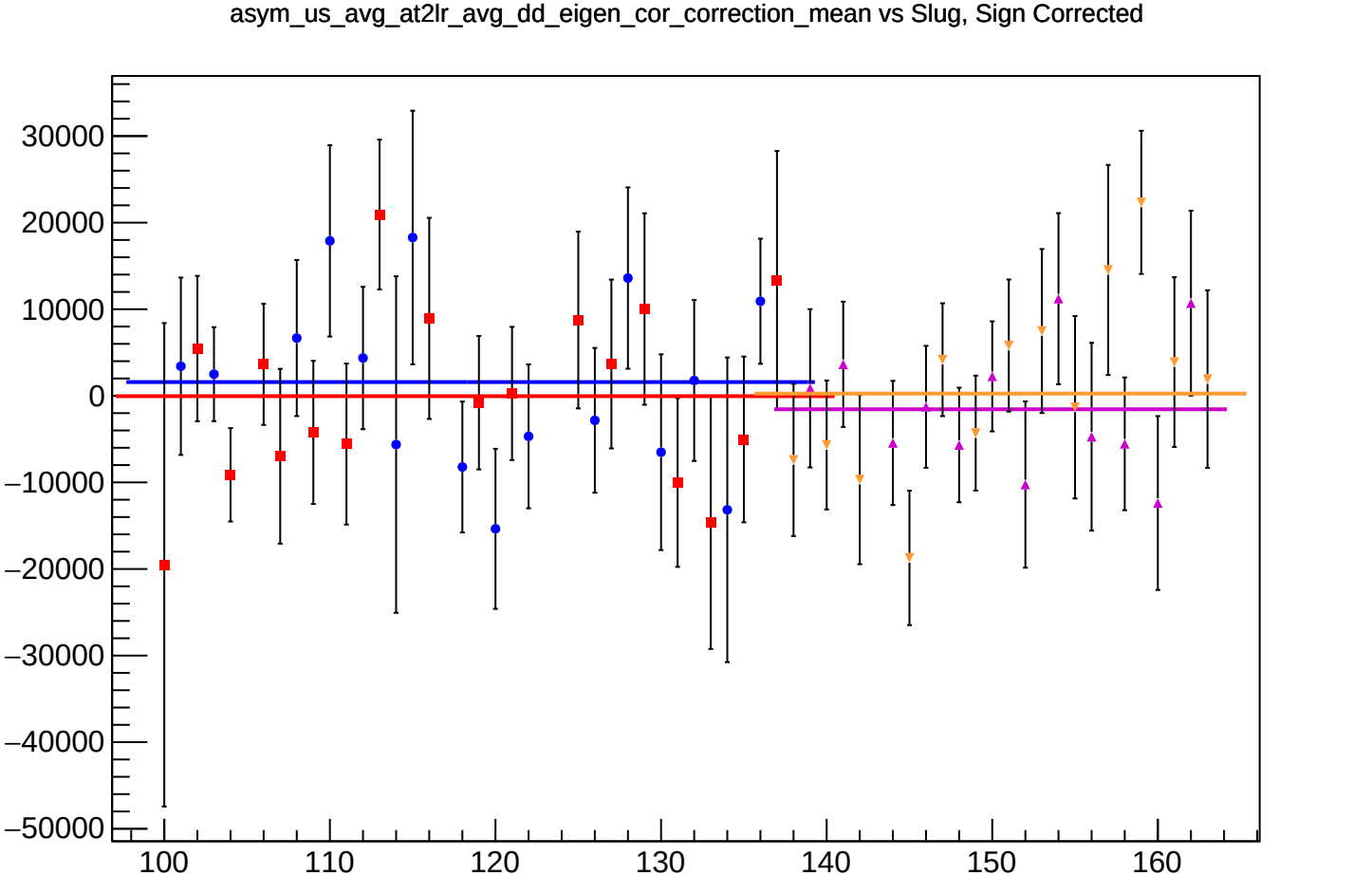
Left: 1665.533+/-0.259 χ^2/NDF: 140801.0/24

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1569.907+/-0.268 χ^2/NDF:787056.2/27

Out: 1558.504+/-0.266 χ^2/NDF:630097.5/30

All: 1564.162+/-0.189 χ^2/NDF: 1418067.2/58



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: 255.362+/-2337.584 χ^2/NDF:19.1/12

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1552.906+/-2333.943 χ^2/NDF:7.0/11

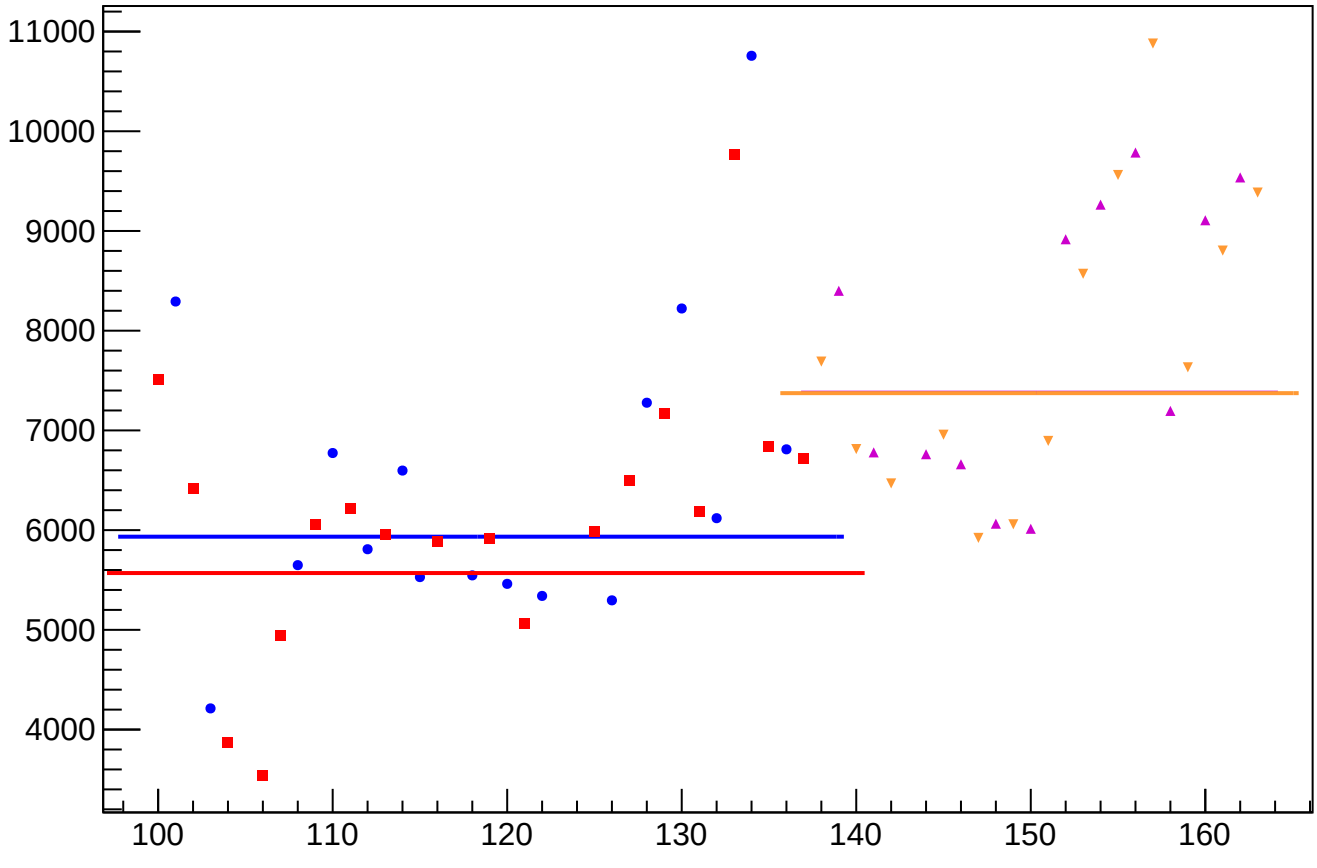
Left: -650.181+/-1651.633 χ^2/NDF: 26.3/24

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 65.472+/-1625.150 χ^2/NDF:22.1/27

Out: 93.845+/-1575.647 χ^2/NDF:35.5/30

All: 80.097+/-1131.247 χ^2/NDF: 57.6/58



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7373.688+/-1.653 χ^2/NDF:629539.8/12

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7378.352+/-1.650 χ^2/NDF:610272.0/11

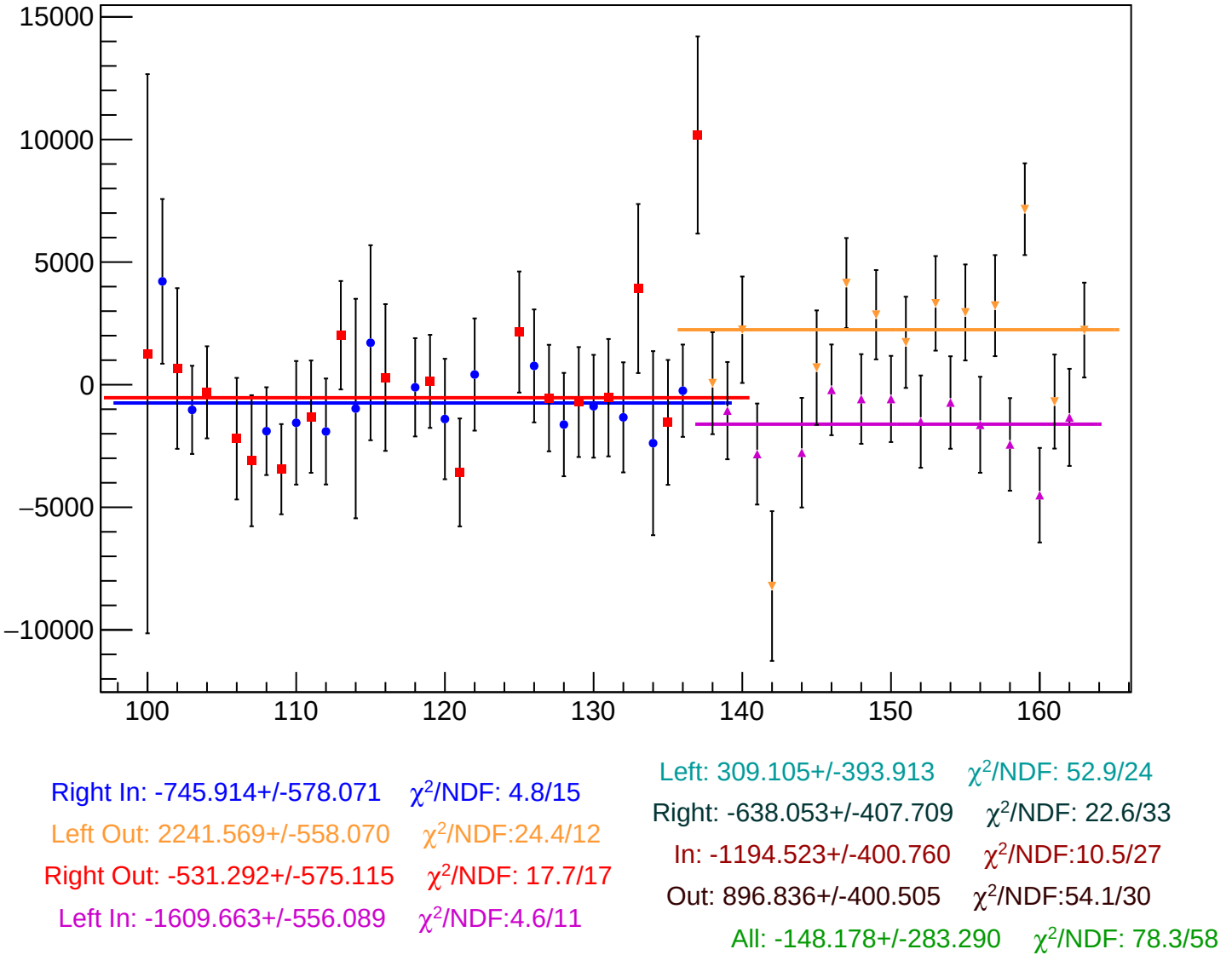
Left: 7376.024+/-1.168 χ^2/NDF: 1239815.8/24

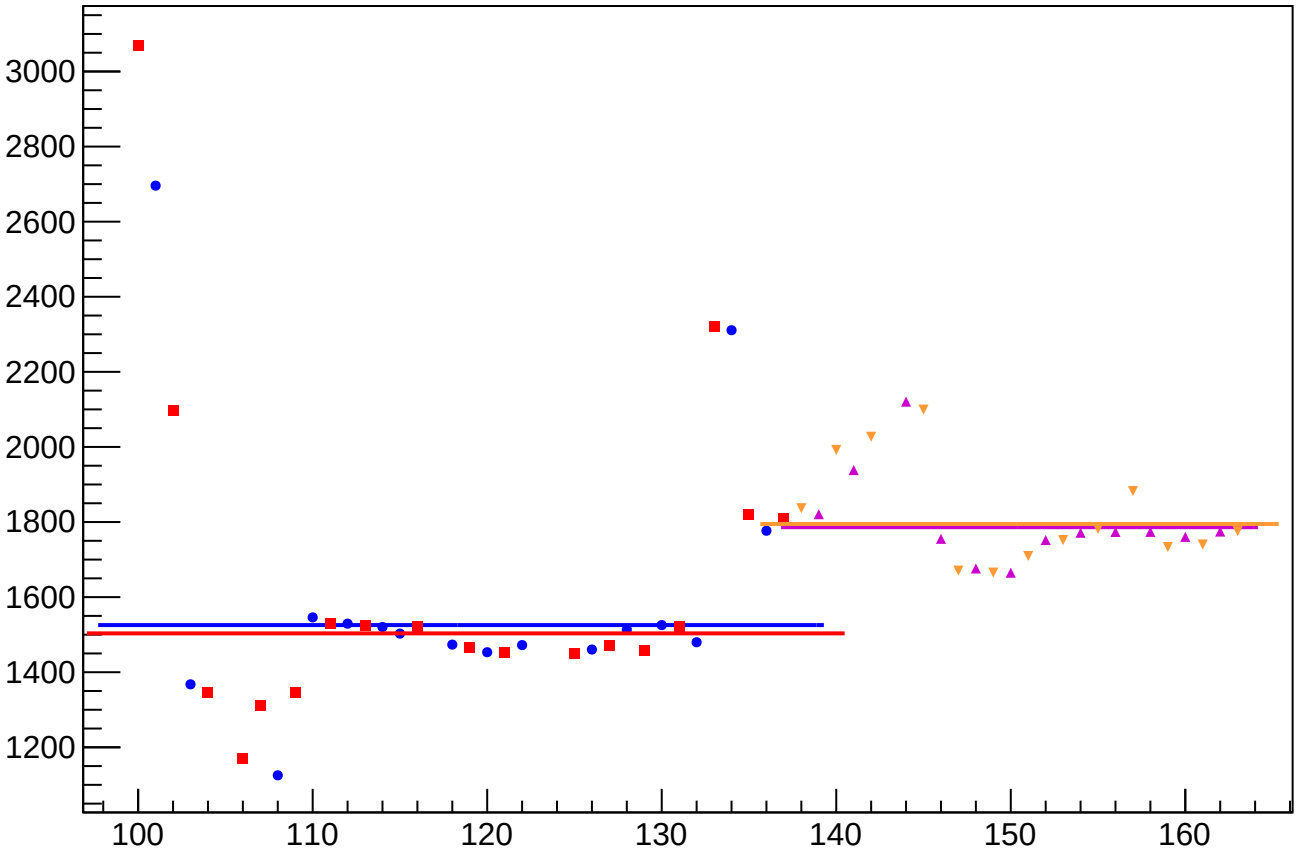
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6634.401+/-1.149 χ^2/NDF:1657816.4/27

Out: 6389.277+/-1.114 χ^2/NDF:2003610.7/30

All: 6508.049+/-0.800 χ^2/NDF: 3684880.7/58


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 2241.569+/-558.070 χ²/NDF:24.4/12
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1609.663+/-556.089 χ²/NDF:4.6/11
Left: 309.105+/-393.913 χ²/NDF: 52.9/24
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1194.523+/-400.760 χ²/NDF:10.5/27
Out: 896.836+/-400.505 χ²/NDF:54.1/30
All: -148.178+/-283.290 χ²/NDF: 78.3/58



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1794.765+/-0.395 χ^2/NDF:95105.3/12

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1786.281+/-0.393 χ^2/NDF:74946.2/11

Left: 1790.508+/-0.279 χ^2/NDF: 170283.5/24

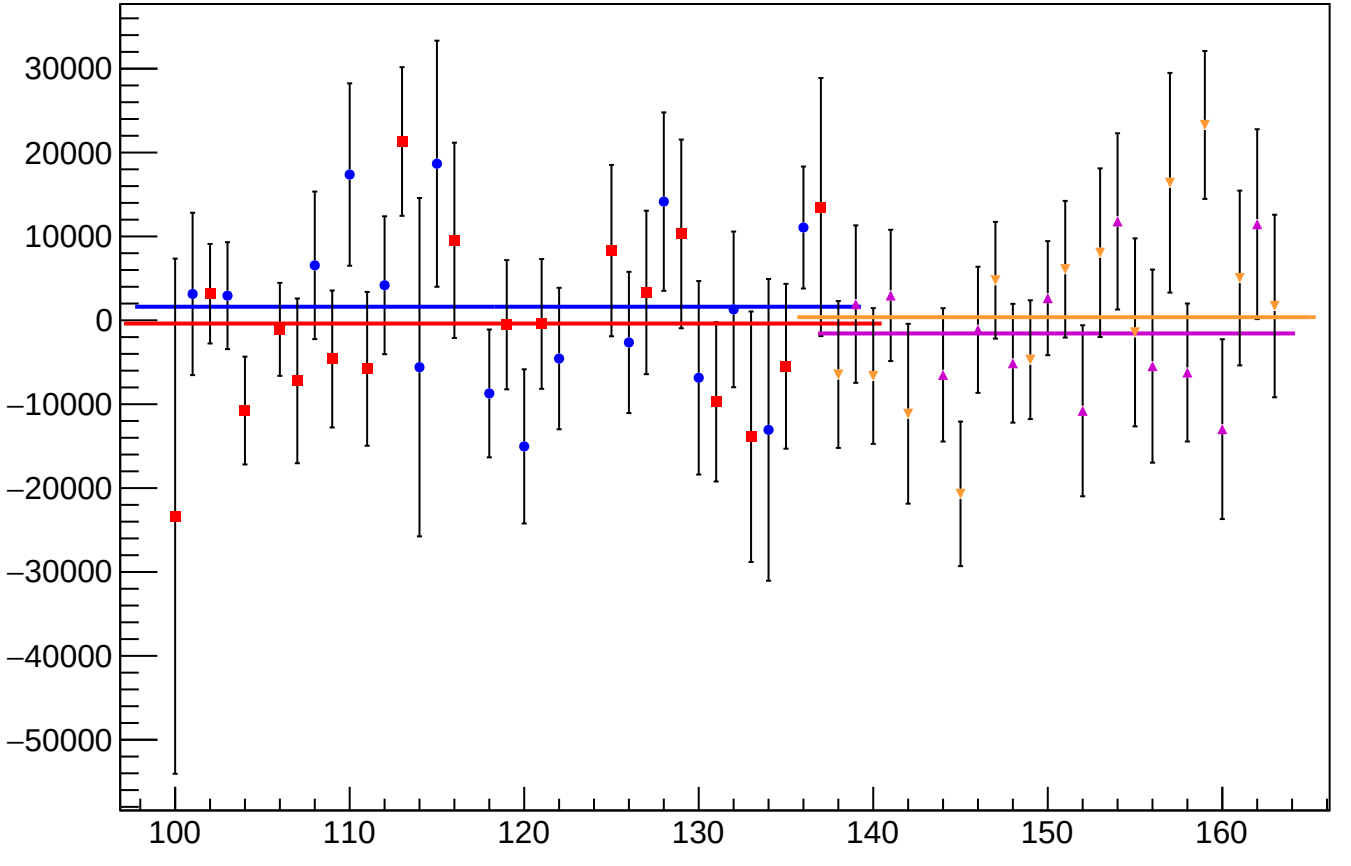
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1660.960+/-0.283 χ^2/NDF:774613.6/27

Out: 1653.438+/-0.283 χ^2/NDF:698014.1/30

All: 1657.196+/-0.200 χ^2/NDF: 1472980.2/58

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: 375.303+/-2497.043 χ^2/NDF:19.0/12

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -1564.158+/-2497.488 χ^2/NDF:6.8/11

Left: -594.255+/-1765.833 χ^2/NDF: 26.1/24

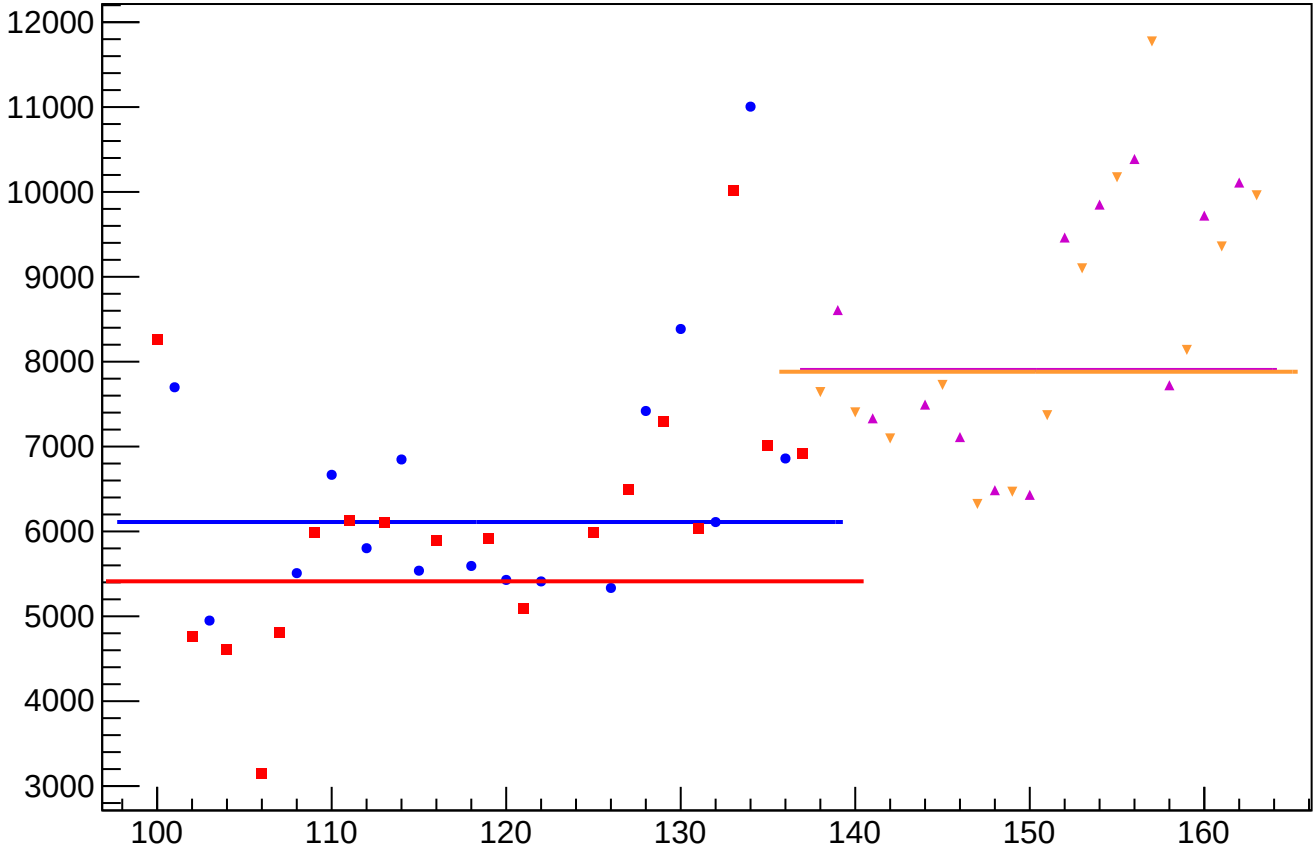
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 145.083+/-1699.787 χ^2/NDF:22.0/27

Out: -77.507+/-1589.446 χ^2/NDF:35.0/30

All: 26.329+/-1160.958 χ^2/NDF: 57.0/58

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: 7881.564+/-1.766 χ^2/NDF:612216.6/12

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7902.531+/-1.766 χ^2/NDF:566673.2/11

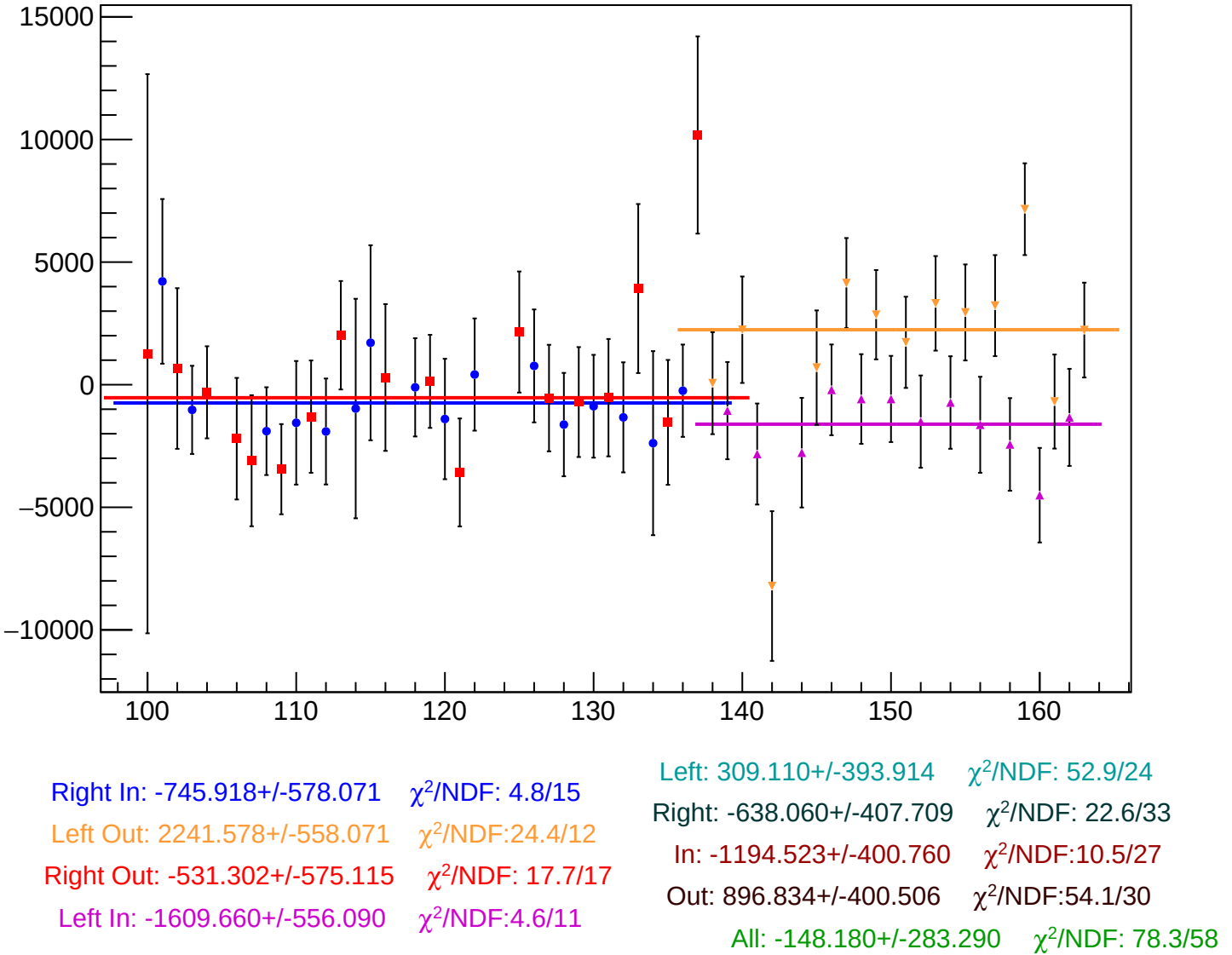
Left: 7892.046+/-1.249 χ^2/NDF: 1178960.3/24

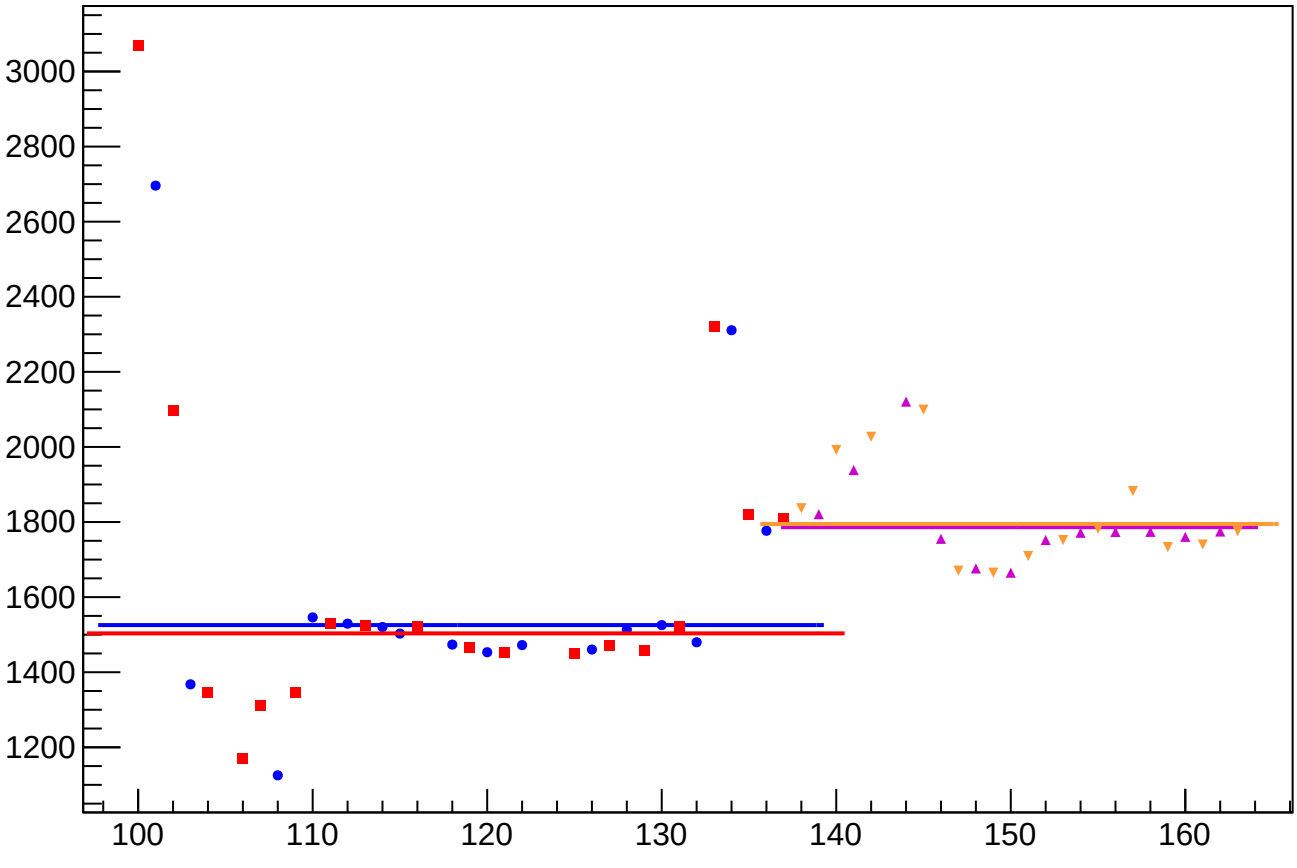
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6940.883+/-1.202 χ^2/NDF:1590736.5/27

Out: 6412.763+/-1.124 χ^2/NDF:2597103.9/30

All: 6659.126+/-0.821 χ^2/NDF: 4290842.8/58


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 2241.578+/-558.071 χ²/NDF:24.4/12
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1609.660+/-556.090 χ²/NDF:4.6/11
Left: 309.110+/-393.914 χ²/NDF: 52.9/24
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1194.523+/-400.760 χ²/NDF:10.5/27
Out: 896.834+/-400.506 χ²/NDF:54.1/30
All: -148.180+/-283.290 χ²/NDF: 78.3/58



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1794.769+/-0.395 χ^2/NDF:95106.0/12

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1786.284+/-0.393 χ^2/NDF:74946.3/11

Left: 1790.511+/-0.279 χ^2/NDF: 170284.3/24

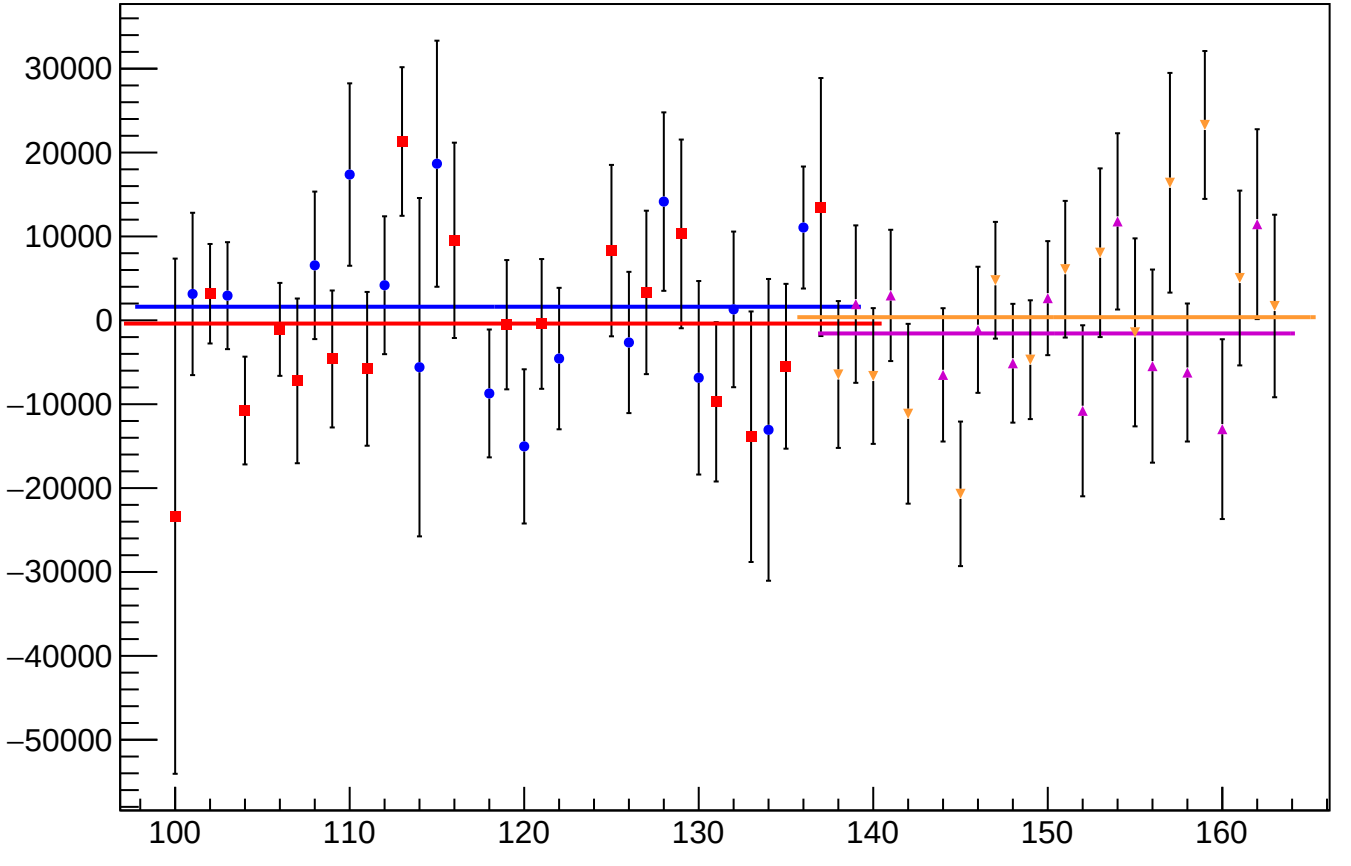
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1660.961+/-0.283 χ^2/NDF:774617.5/27

Out: 1653.440+/-0.283 χ^2/NDF:698020.1/30

All: 1657.198+/-0.200 χ^2/NDF: 1472990.1/58

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: 375.306+/-2497.046 χ^2/NDF:19.0/12

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -1564.157+/-2497.491 χ^2/NDF:6.8/11

Left: -594.253+/-1765.835 χ^2/NDF: 26.1/24

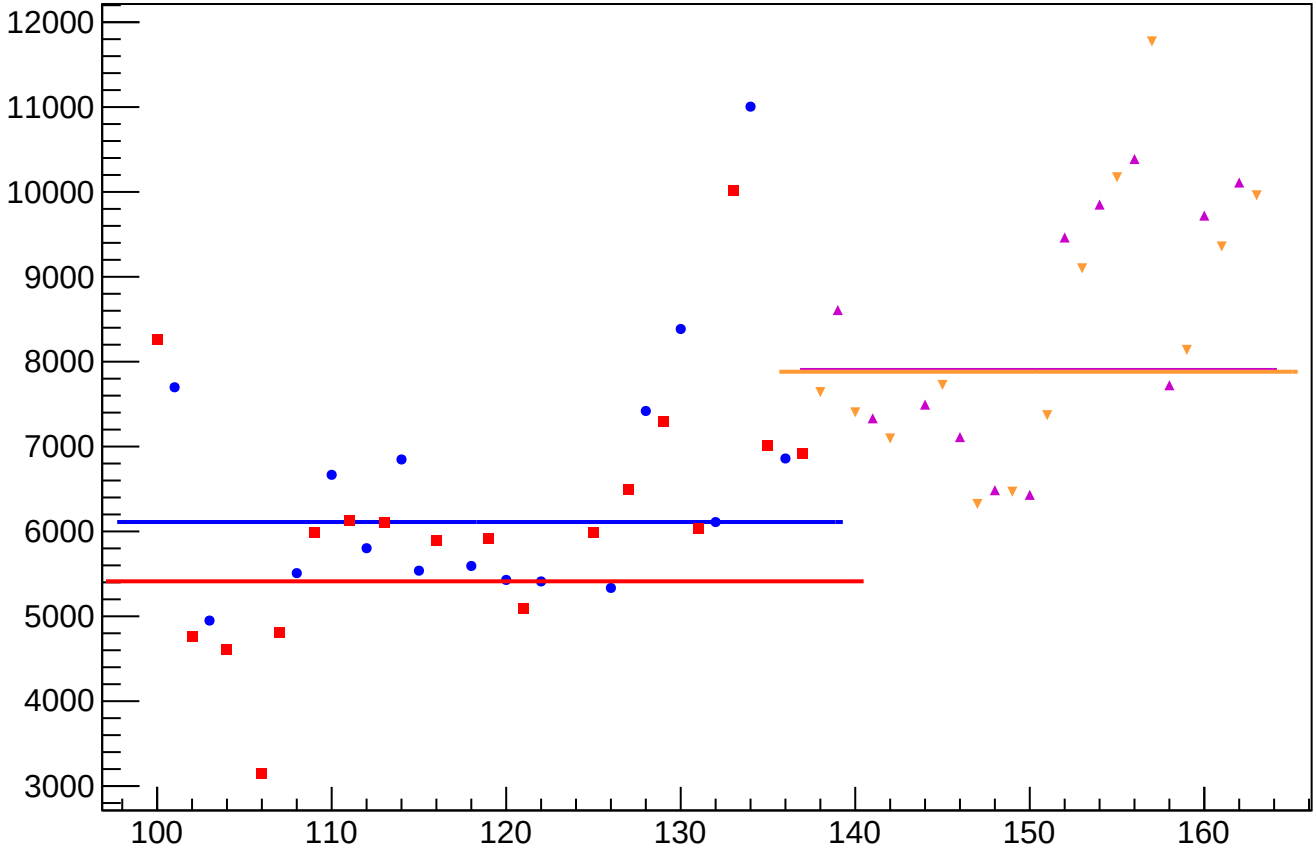
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 145.078+/-1699.786 χ^2/NDF:22.0/27

Out: -77.510+/-1589.445 χ^2/NDF:35.0/30

All: 26.325+/-1160.957 χ^2/NDF: 57.0/58

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7881.574+/-1.766 χ^2/NDF:612218.0/12

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7902.541+/-1.766 χ^2/NDF:566673.9/11

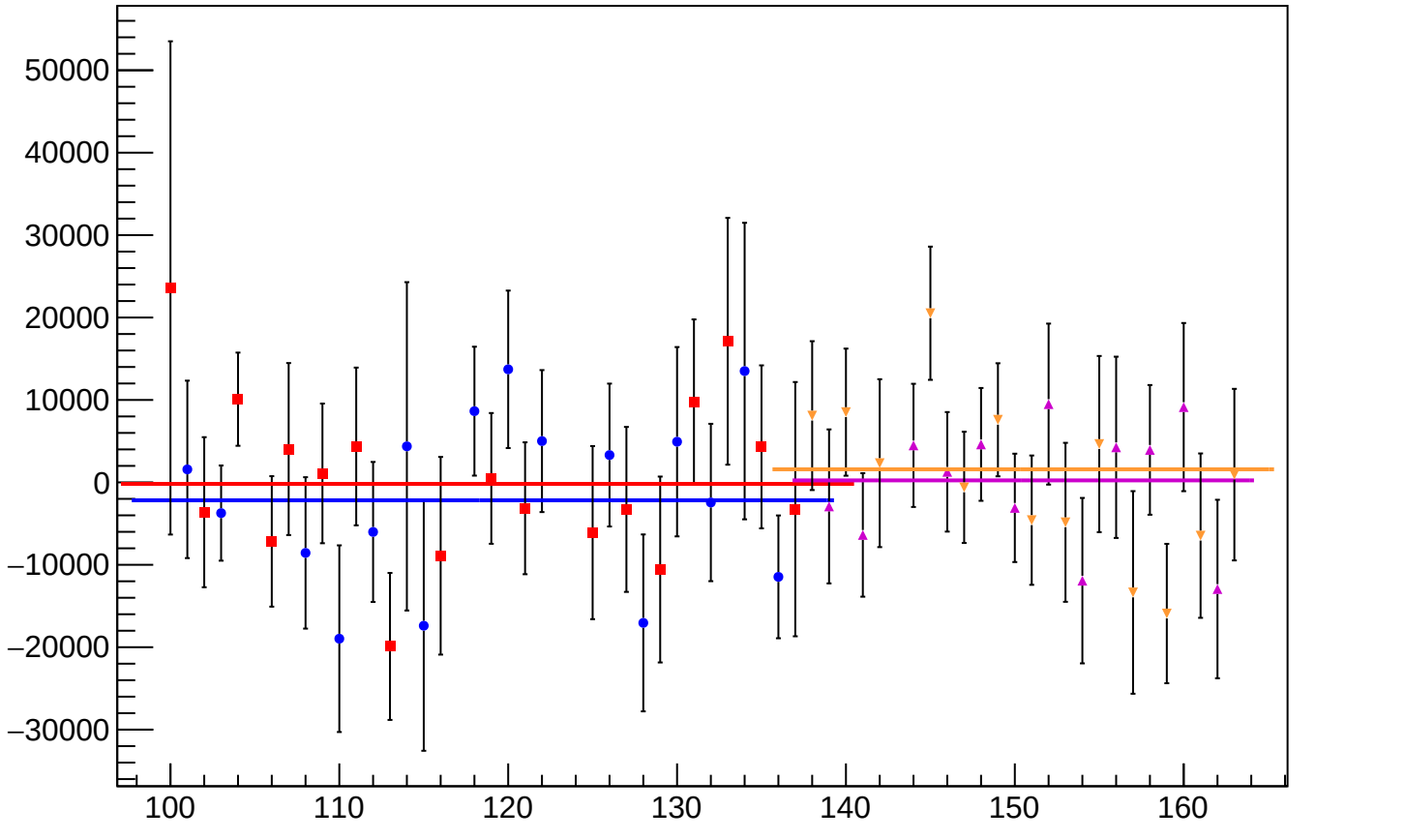
Left: 7892.056+/-1.249 χ^2/NDF: 1178962.4/24

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6940.877+/-1.202 χ^2/NDF:1590754.0/27

Out: 6412.756+/-1.124 χ^2/NDF:2597125.7/30

All: 6659.120+/-0.821 χ^2/NDF: 4290882.7/58



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1585.959+/-2405.028 χ^2/NDF:15.3/12

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 241.113+/-2399.747 χ^2/NDF:6.9/11

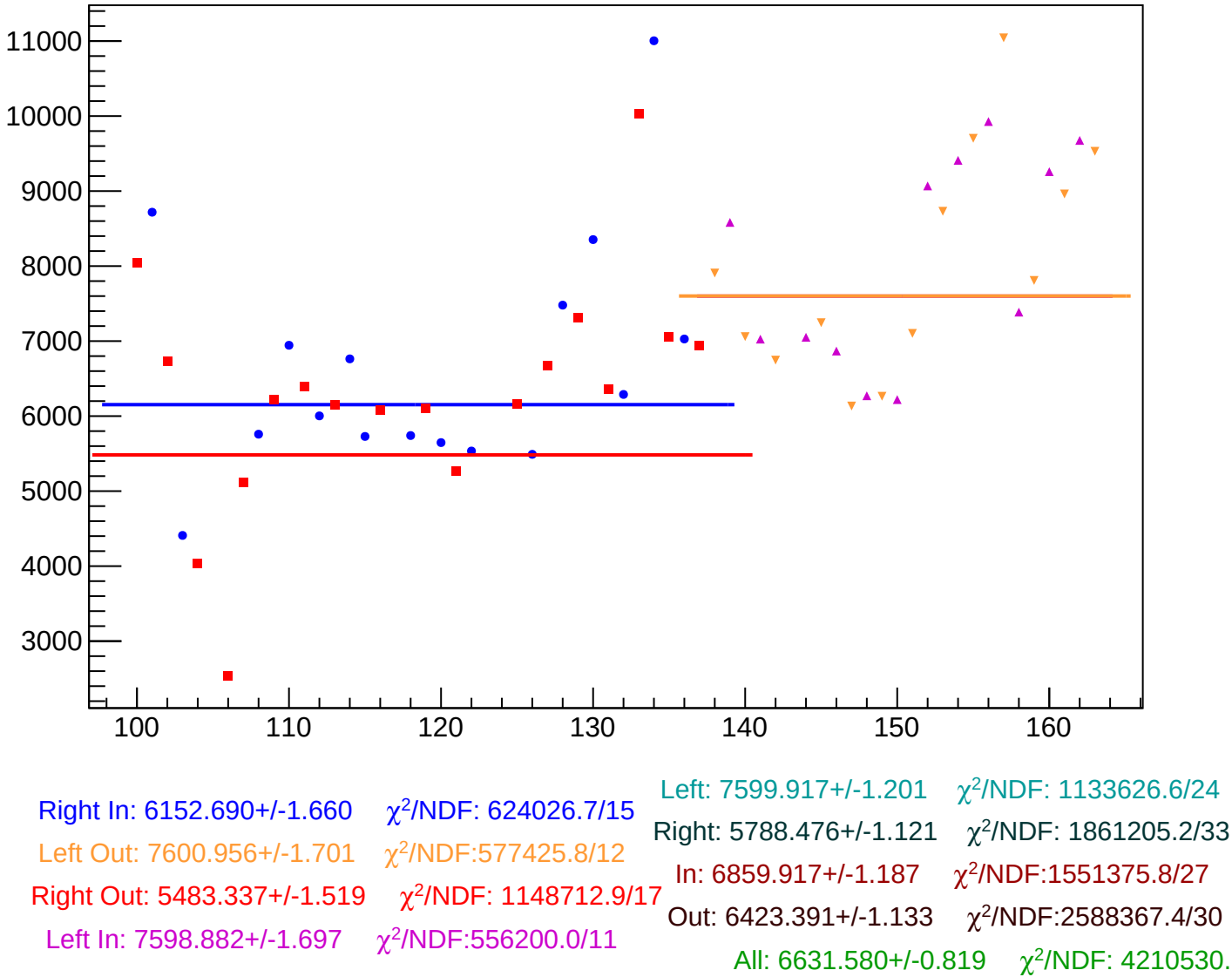
Left: 912.058+/-1698.742 χ^2/NDF: 22.3/24

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

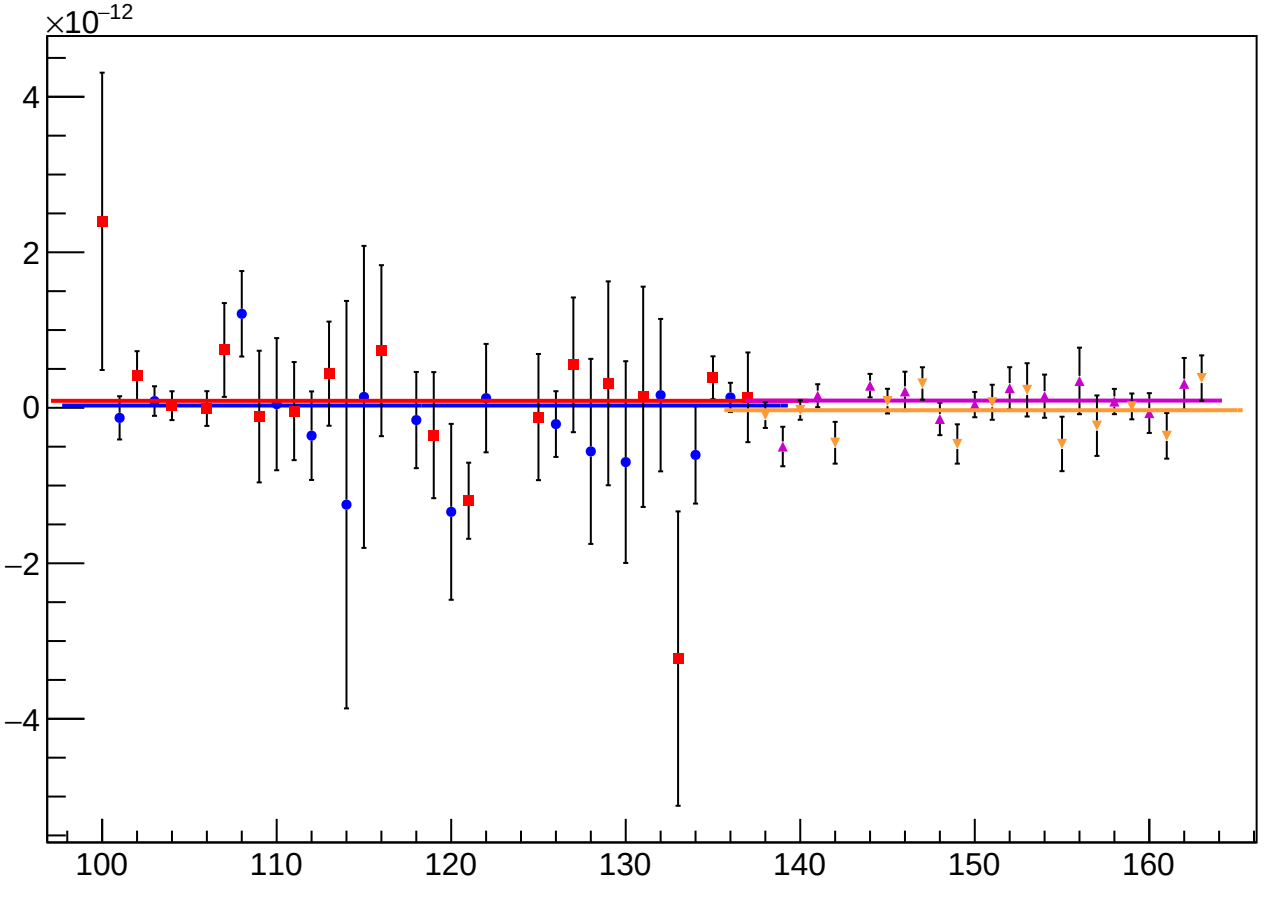
In: -992.961+/-1678.160 χ^2/NDF:22.0/27

Out: 634.034+/-1634.787 χ^2/NDF:30.2/30

All: -158.166+/-1171.003 χ^2/NDF: 52.7/58


asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 6152.690+/-1.660 χ²/NDF: 624026.7/15
Left Out: 7600.956+/-1.701 χ²/NDF:577425.8/12
Right Out: 5483.337+/-1.519 χ²/NDF: 1148712.9/17
Left In: 7598.882+/-1.697 χ²/NDF:556200.0/11
Left: 7599.917+/-1.201 χ²/NDF: 1133626.6/24
Right: 5788.476+/-1.121 χ²/NDF: 1861205.2/33
In: 6859.917+/-1.187 χ²/NDF:1551375.8/27
Out: 6423.391+/-1.133 χ²/NDF:2588367.4/30
All: 6631.580+/-0.819 χ²/NDF: 4210530.1/58

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/11

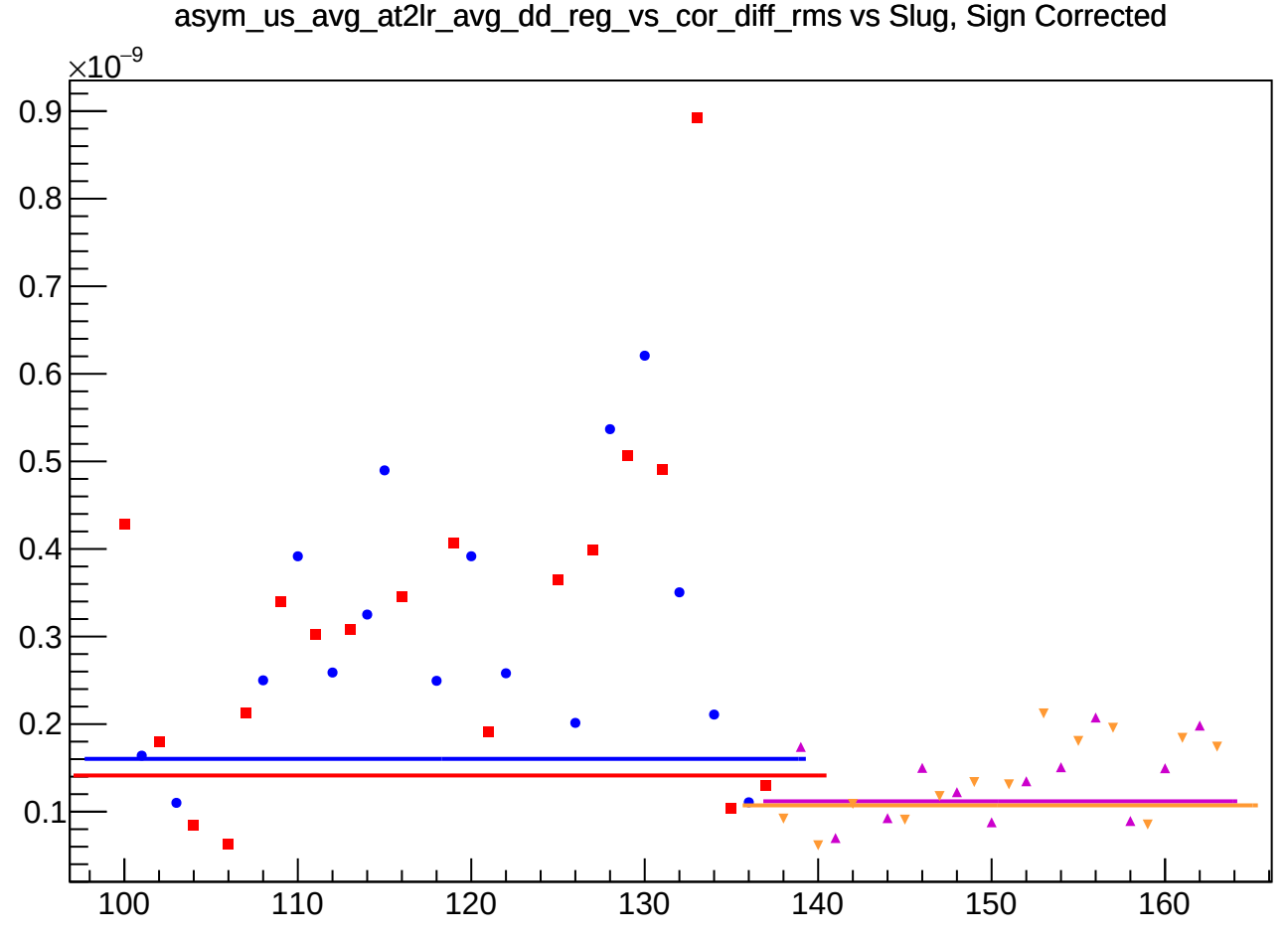
Left: 0.000+/-0.000 χ^2/NDF: 27.3/24

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:20.2/27

Out: -0.000+/-0.000 χ^2/NDF:32.2/30

All: 0.000+/-0.000 χ^2/NDF: 53.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1012992.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:778173.7/11

Left: 0.000+/-0.000 χ^2/NDF: 1797197.2/24

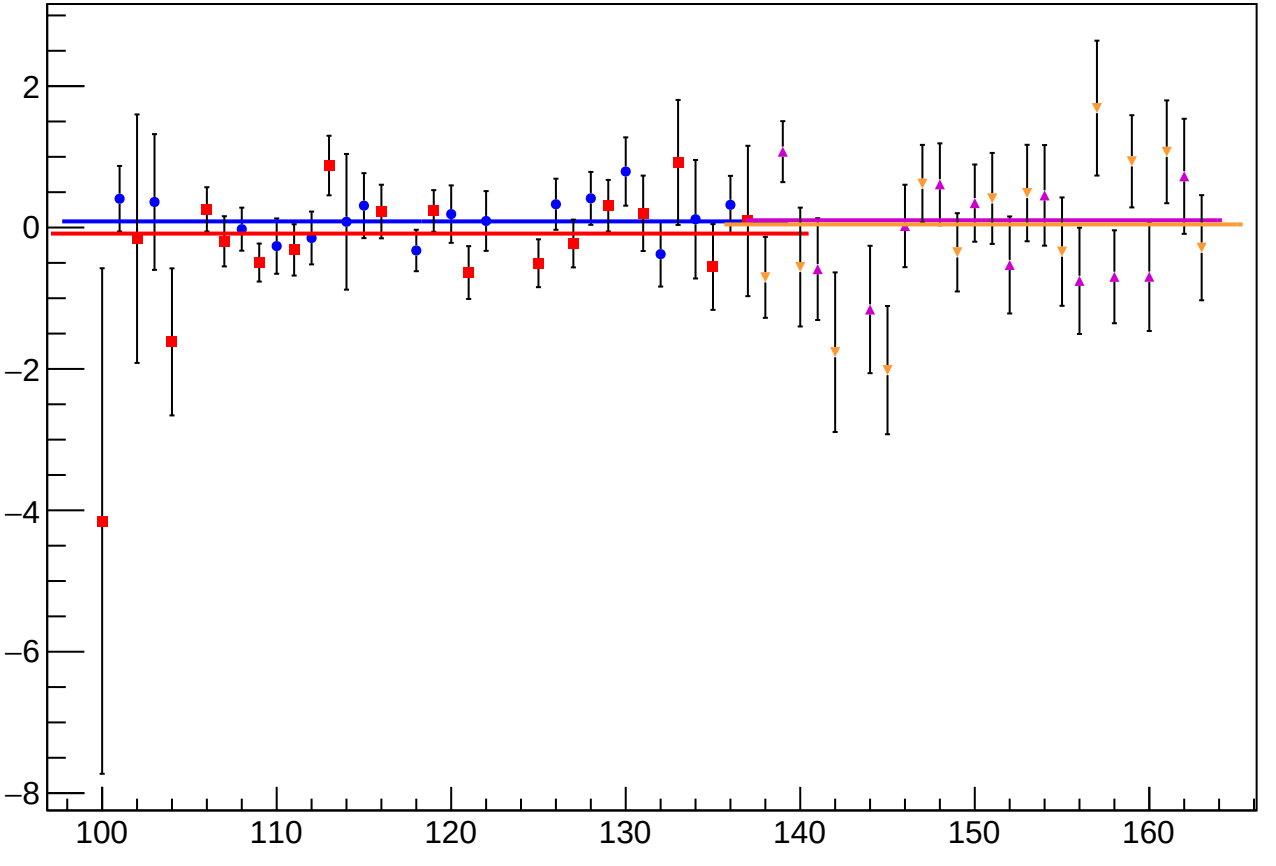
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2434840.3/27

Out: 0.000+/-0.000 χ^2/NDF:3346502.3/30

All: 0.000+/-0.000 χ^2/NDF: 5808764.8/58

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.103+/-0.185 χ^2/NDF:14.5/11

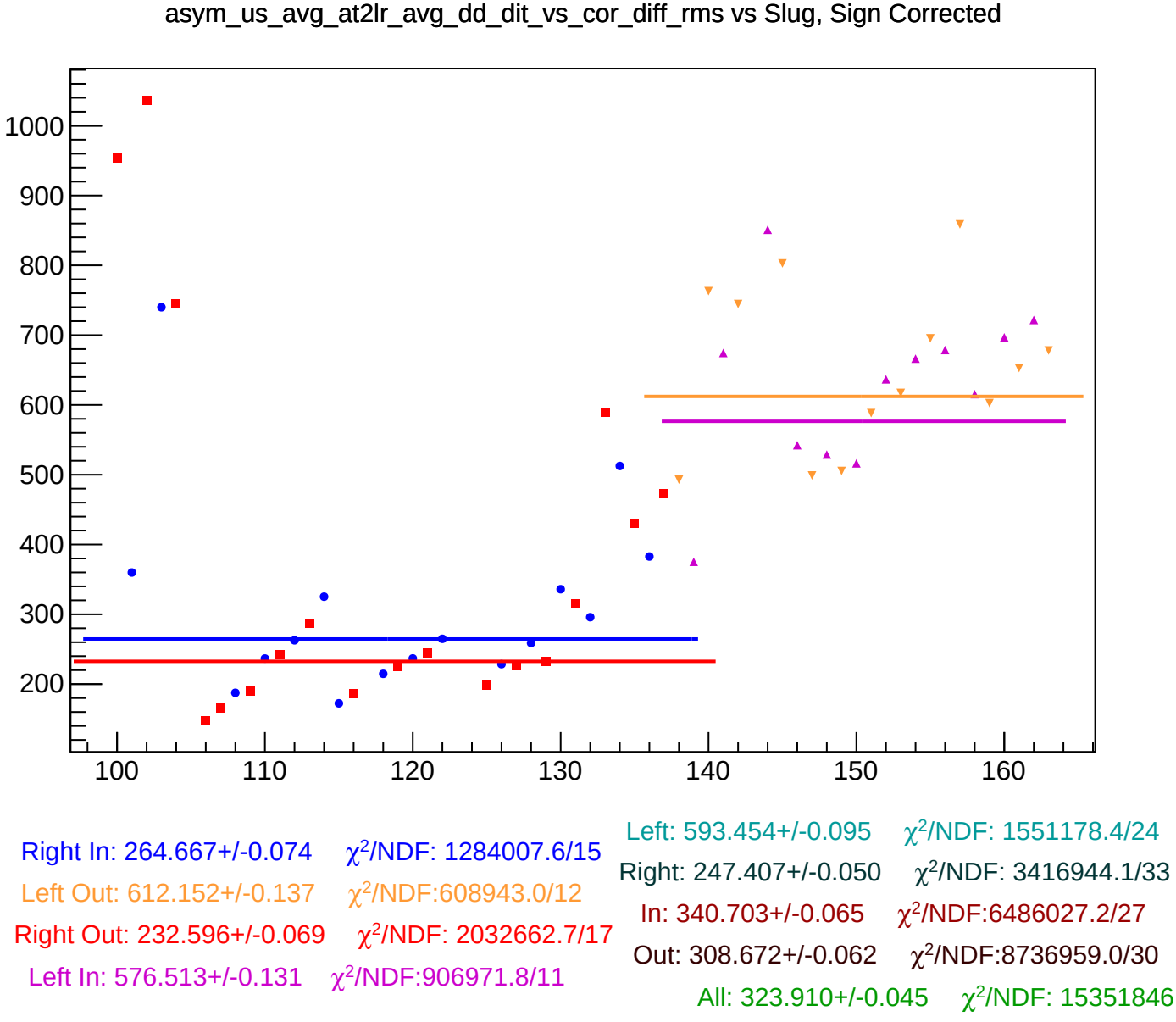
Left: 0.075+/-0.134 χ^2/NDF: 34.1/24

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.091+/-0.091 χ^2/NDF:23.3/27

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.012+/-0.063 χ^2/NDF: 66.5/58


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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100
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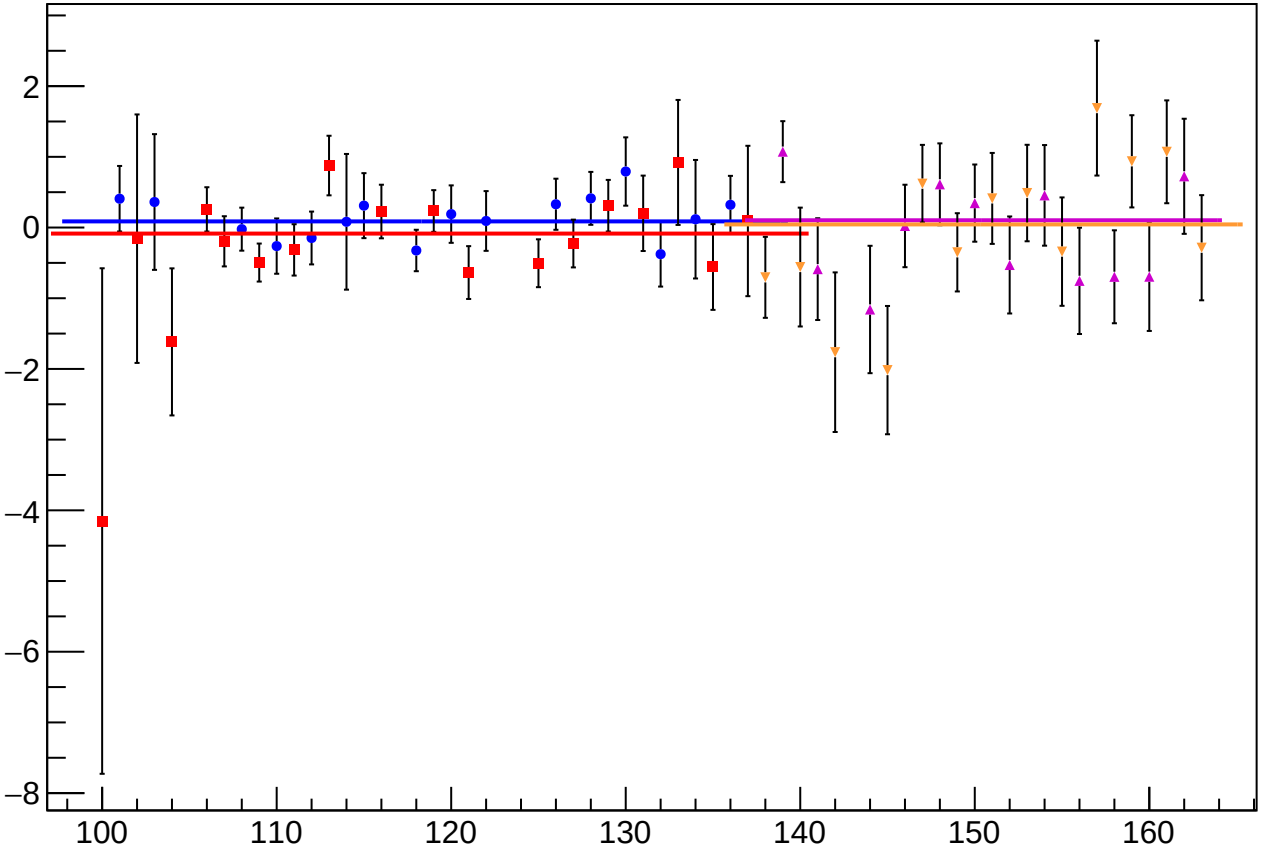
130
140
150
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 612.152+/-0.137 χ²/NDF:608943.0/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 576.513+/-0.131 χ²/NDF:906971.8/11
Left: 593.454+/-0.095 χ²/NDF: 1551178.4/24
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 340.703+/-0.065 χ²/NDF:6486027.2/27
Out: 308.672+/-0.062 χ²/NDF:8736959.0/30
All: 323.910+/-0.045 χ²/NDF: 15351846.9/58

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.103+/-0.185 χ^2/NDF:14.5/11

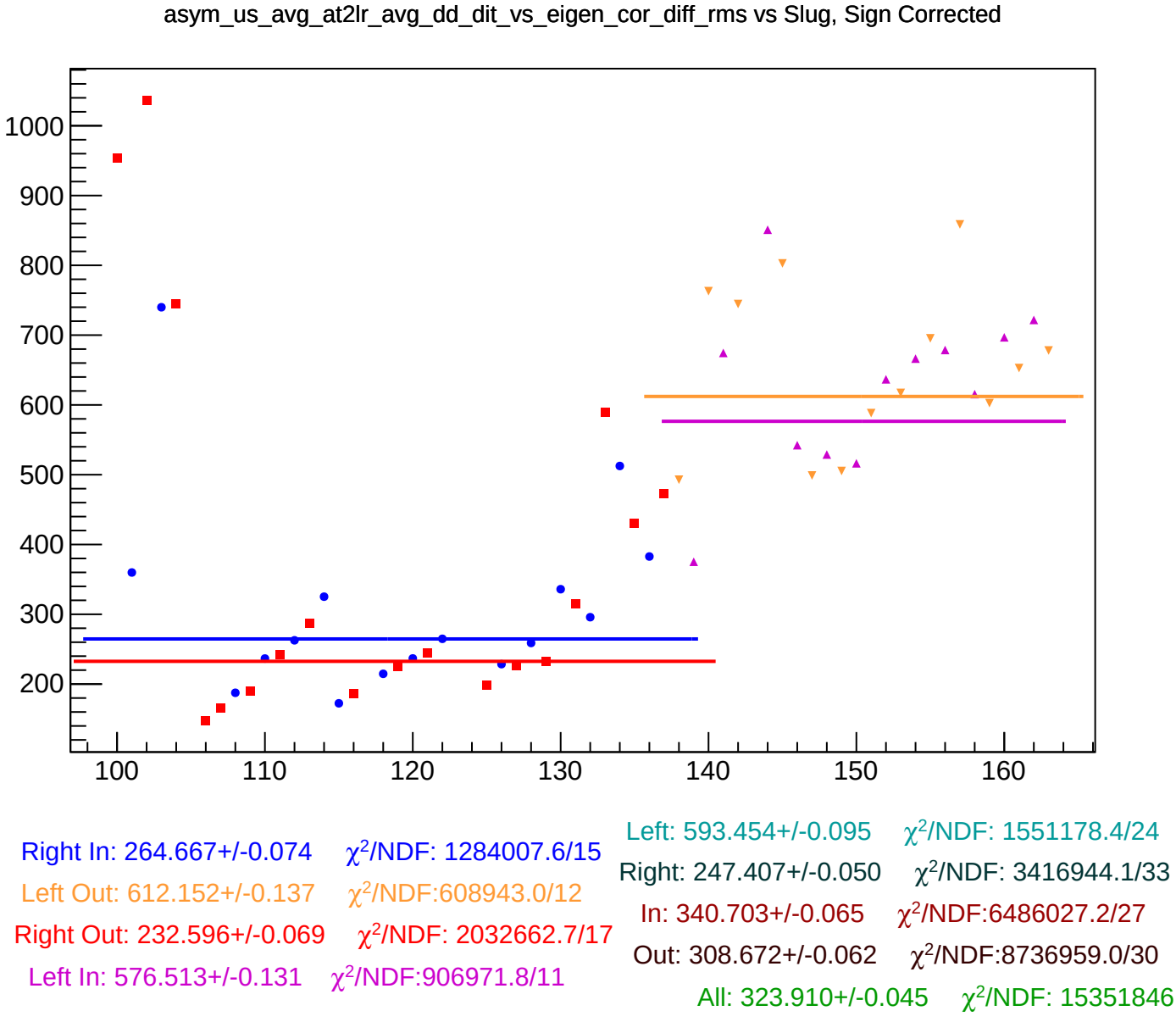
Left: 0.075+/-0.134 χ^2/NDF: 34.1/24

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.091+/-0.091 χ^2/NDF:23.3/27

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.012+/-0.063 χ^2/NDF: 66.5/58


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
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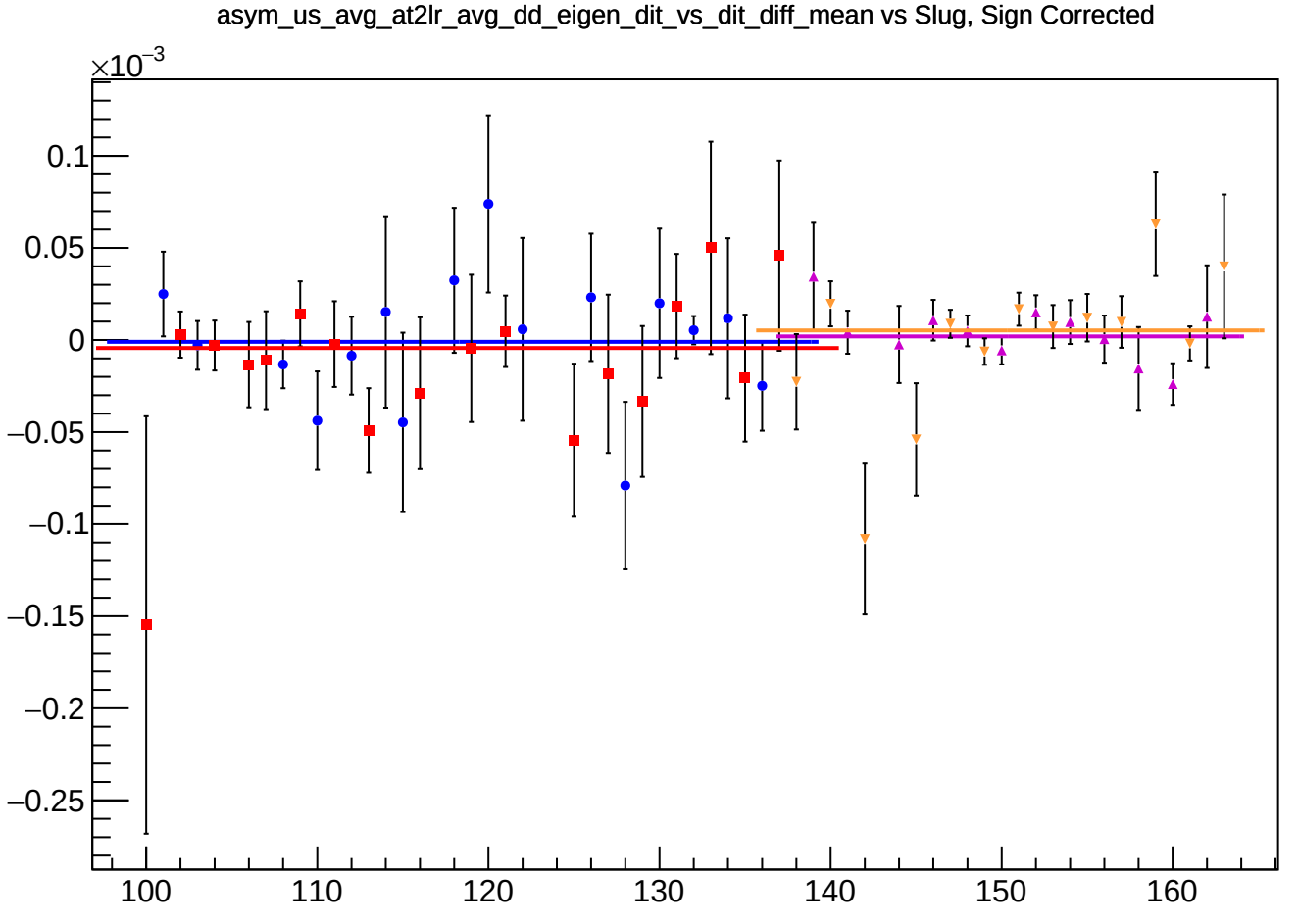
160
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 612.152+/-0.137 χ²/NDF:608943.0/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 576.513+/-0.131 χ²/NDF:906971.8/11
Left: 593.454+/-0.095 χ²/NDF: 1551178.4/24
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 340.703+/-0.065 χ²/NDF:6486027.2/27
Out: 308.672+/-0.062 χ²/NDF:8736959.0/30
All: 323.910+/-0.045 χ²/NDF: 15351846.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.4/12

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.5/11

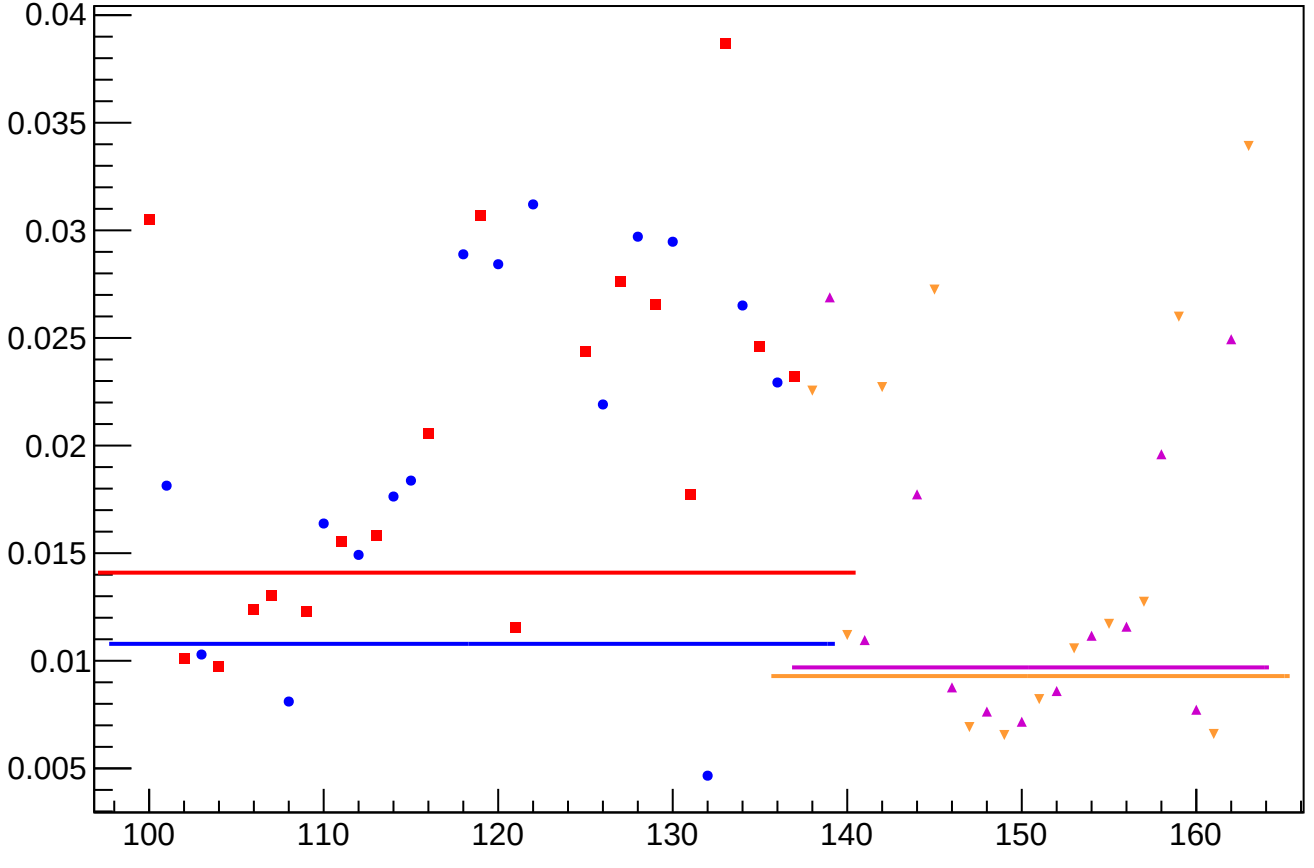
Left: 0.000+/-0.000 χ^2/NDF: 36.4/24

Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:26.1/27

Out: 0.000+/-0.000 χ^2/NDF:39.1/30

All: 0.000+/-0.000 χ^2/NDF: 65.4/58



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:3883883.0/12

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:2515287.0/11

Left: 0.009+/-0.000 χ^2/NDF: 6413580.4/24

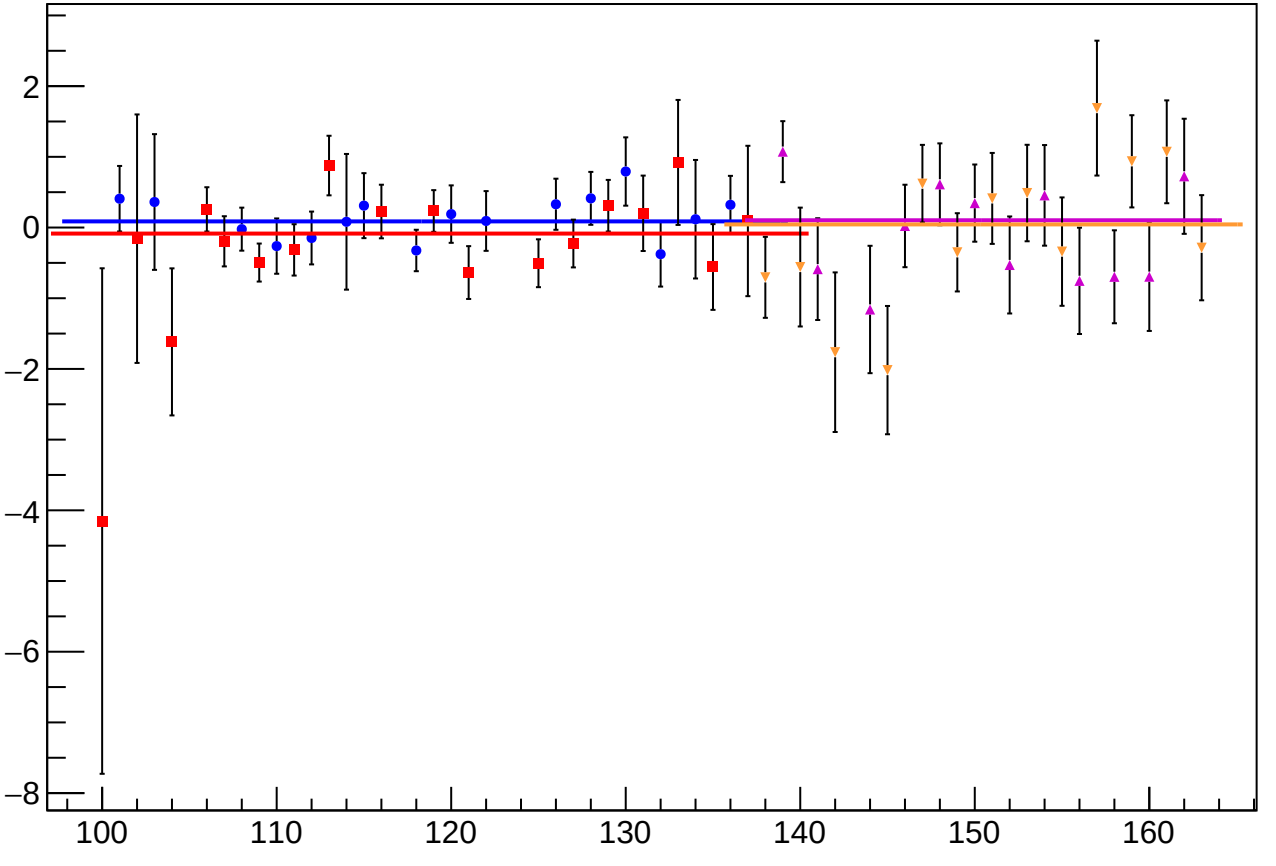
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:7161559.6/27

Out: 0.010+/-0.000 χ^2/NDF:7022911.8/30

All: 0.010+/-0.000 χ^2/NDF: 14209843.1/58

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.103+/-0.185 χ^2/NDF:14.5/11

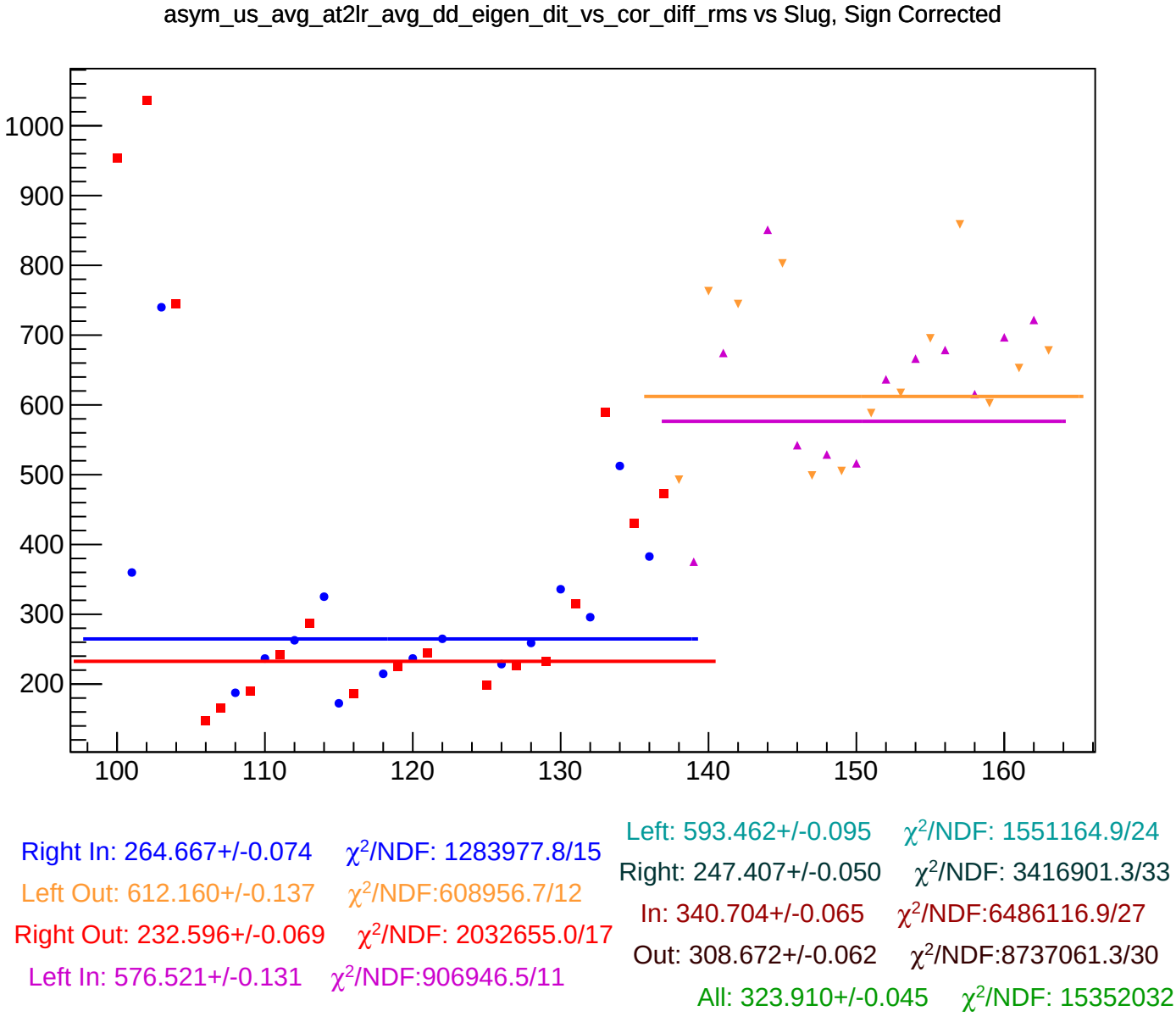
Left: 0.075+/-0.134 χ^2/NDF: 34.1/24

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.091+/-0.091 χ^2/NDF:23.3/27

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.012+/-0.063 χ^2/NDF: 66.5/58


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
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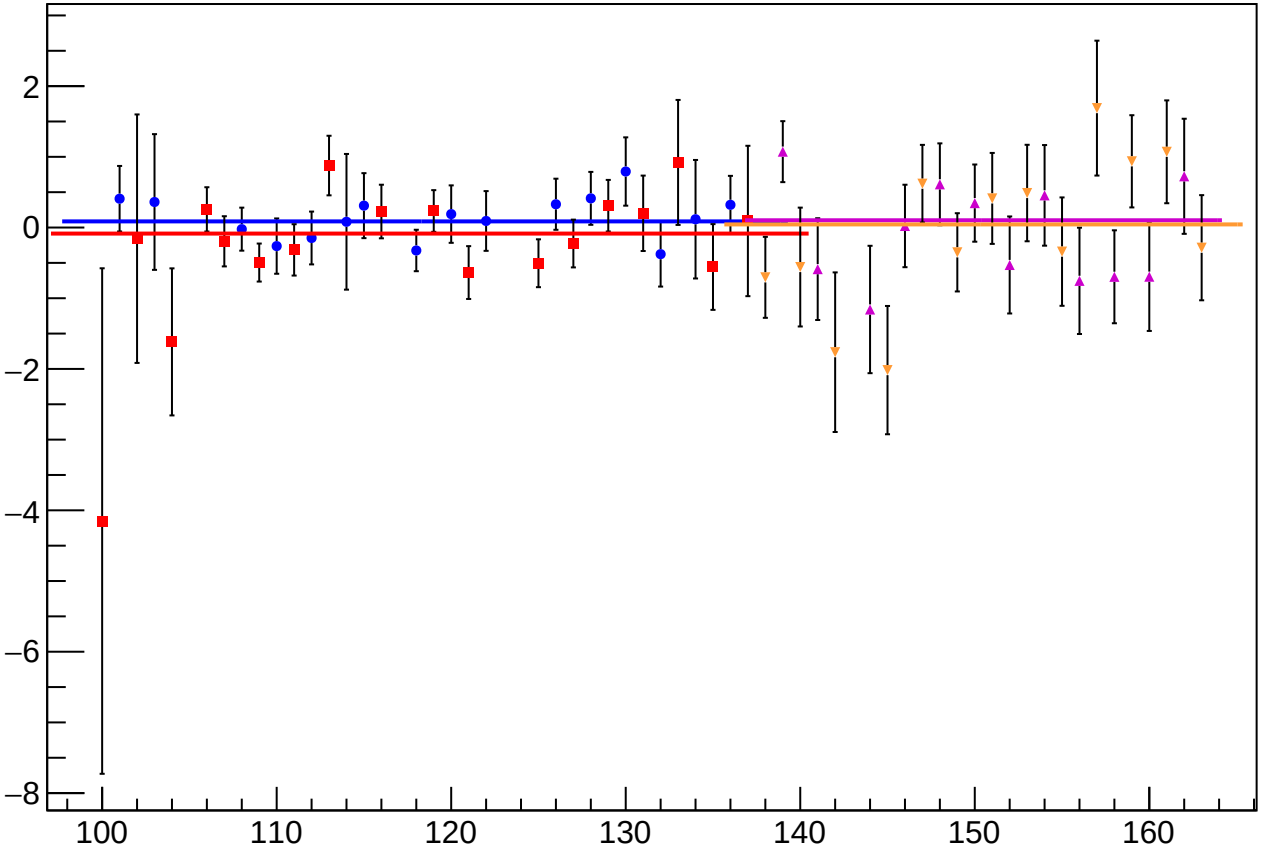
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 612.160+/-0.137 χ²/NDF:608956.7/12
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 576.521+/-0.131 χ²/NDF:906946.5/11
Left: 593.462+/-0.095 χ²/NDF: 1551164.9/24
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 340.704+/-0.065 χ²/NDF:6486116.9/27
Out: 308.672+/-0.062 χ²/NDF:8737061.3/30
All: 323.910+/-0.045 χ²/NDF: 15352032.6/58

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: 0.044+/-0.194 χ^2/NDF:19.6/12

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.103+/-0.185 χ^2/NDF:14.5/11

Left: 0.075+/-0.134 χ^2/NDF: 34.1/24

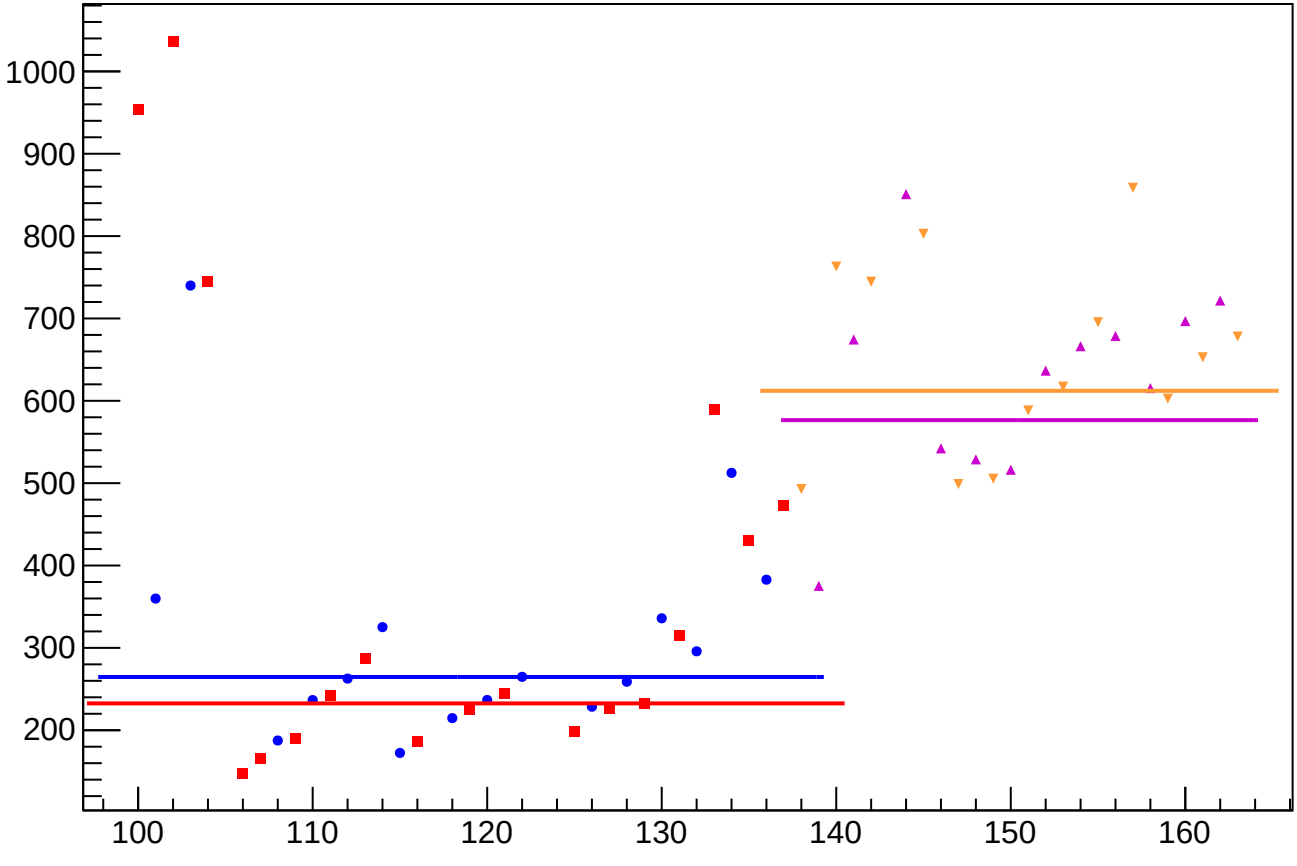
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.091+/-0.091 χ^2/NDF:23.3/27

Out: -0.060+/-0.087 χ^2/NDF:41.8/30

All: 0.012+/-0.063 χ^2/NDF: 66.5/58

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 612.160+/-0.137 χ^2/NDF:608956.7/12

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 576.521+/-0.131 χ^2/NDF:906946.5/11

Left: 593.462+/-0.095 χ^2/NDF: 1551164.9/24

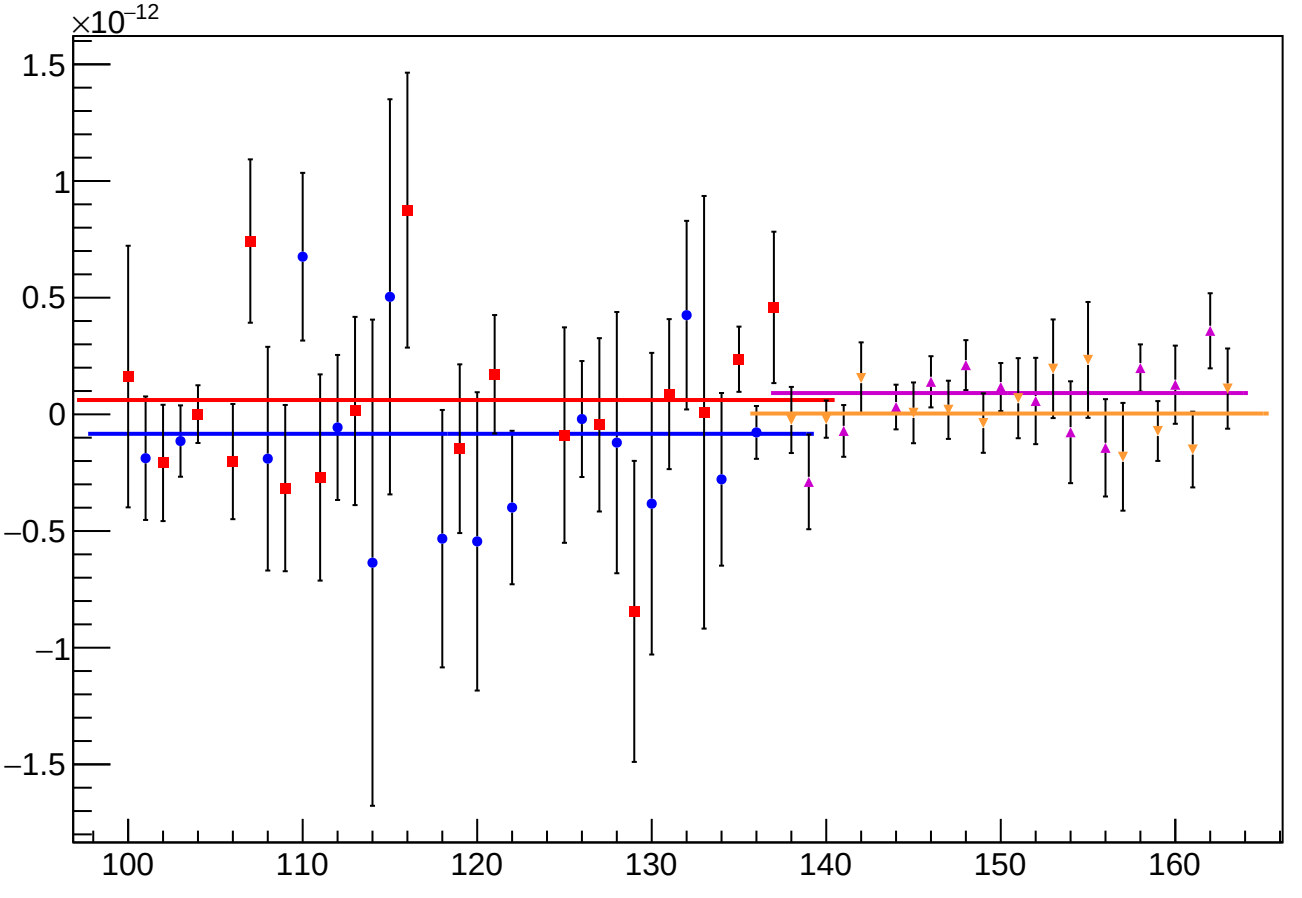
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 340.704+/-0.065 χ^2/NDF:6486116.9/27

Out: 308.672+/-0.062 χ^2/NDF:8737061.3/30

All: 323.910+/-0.045 χ^2/NDF: 15352032.6/58

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:5.3/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:13.4/11

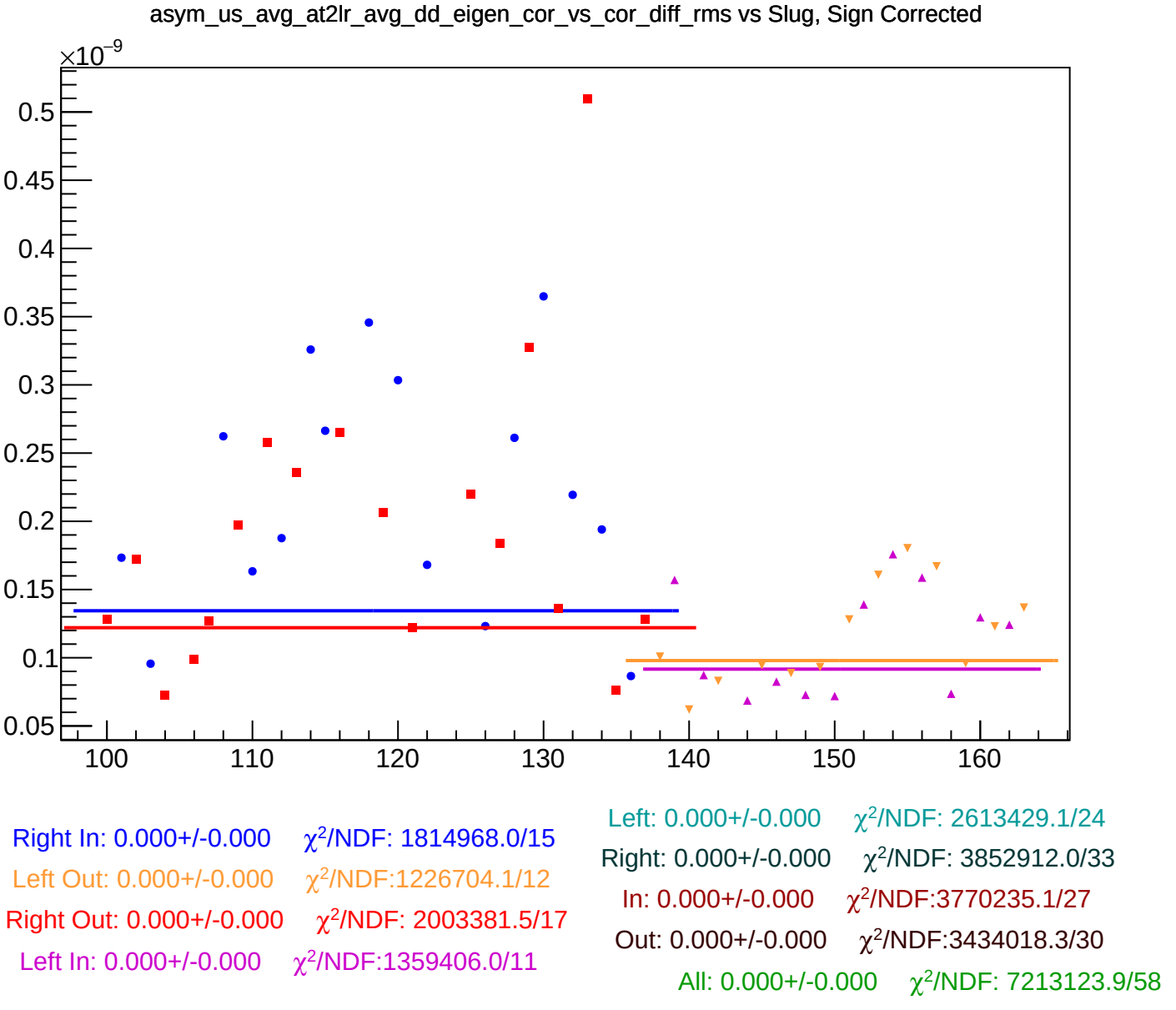
Left: 0.000+/-0.000 χ^2/NDF: 21.4/24

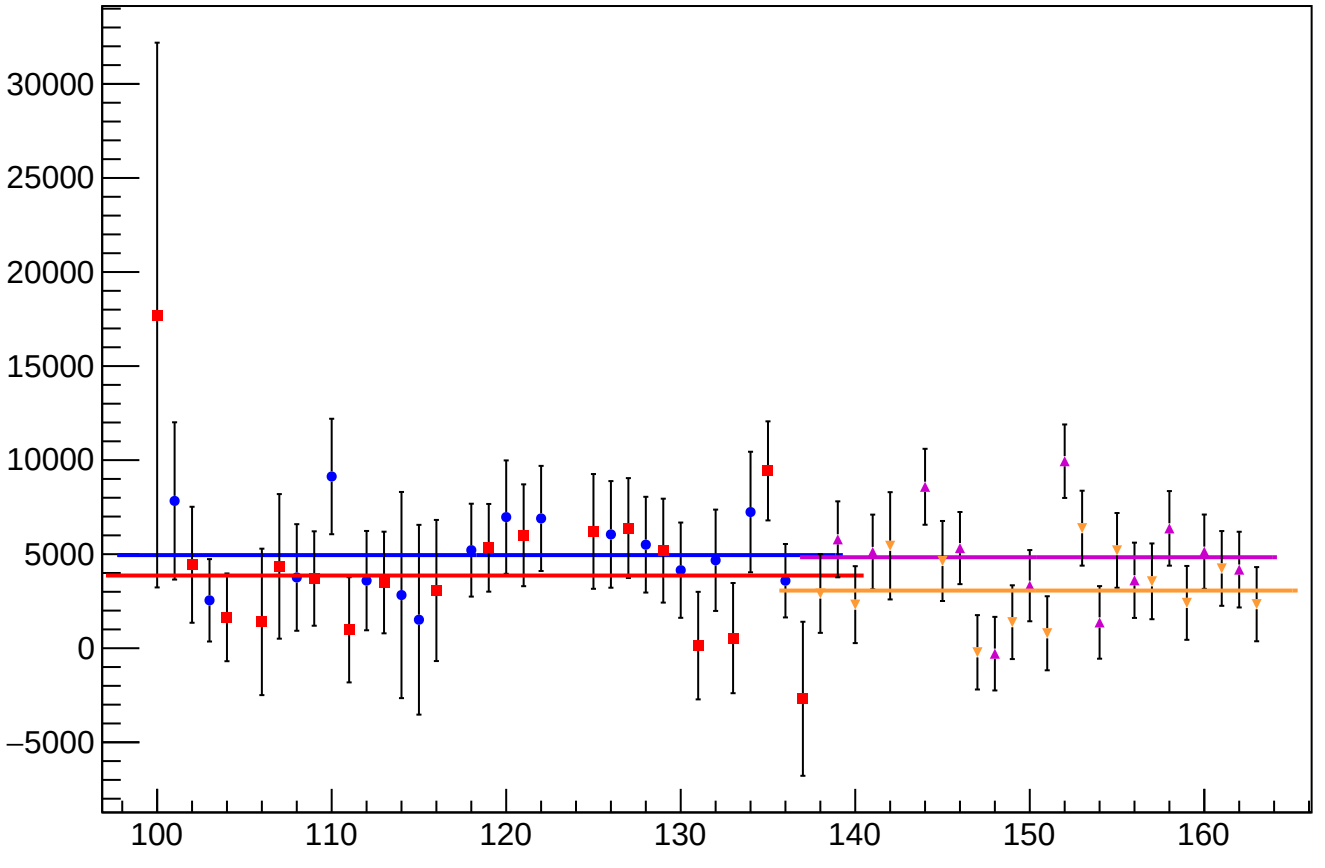
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:28.1/27

Out: 0.000+/-0.000 χ^2/NDF:21.7/30

All: 0.000+/-0.000 χ^2/NDF: 50.2/58


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1226704.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:1359406.0/11
Left: 0.000+/-0.000 χ²/NDF: 2613429.1/24
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3770235.1/27
Out: 0.000+/-0.000 χ²/NDF:3434018.3/30
All: 0.000+/-0.000 χ²/NDF: 7213123.9/58



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.132+/-567.307 χ^2/NDF:10.8/12

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4837.260+/-568.459 χ^2/NDF:22.4/11

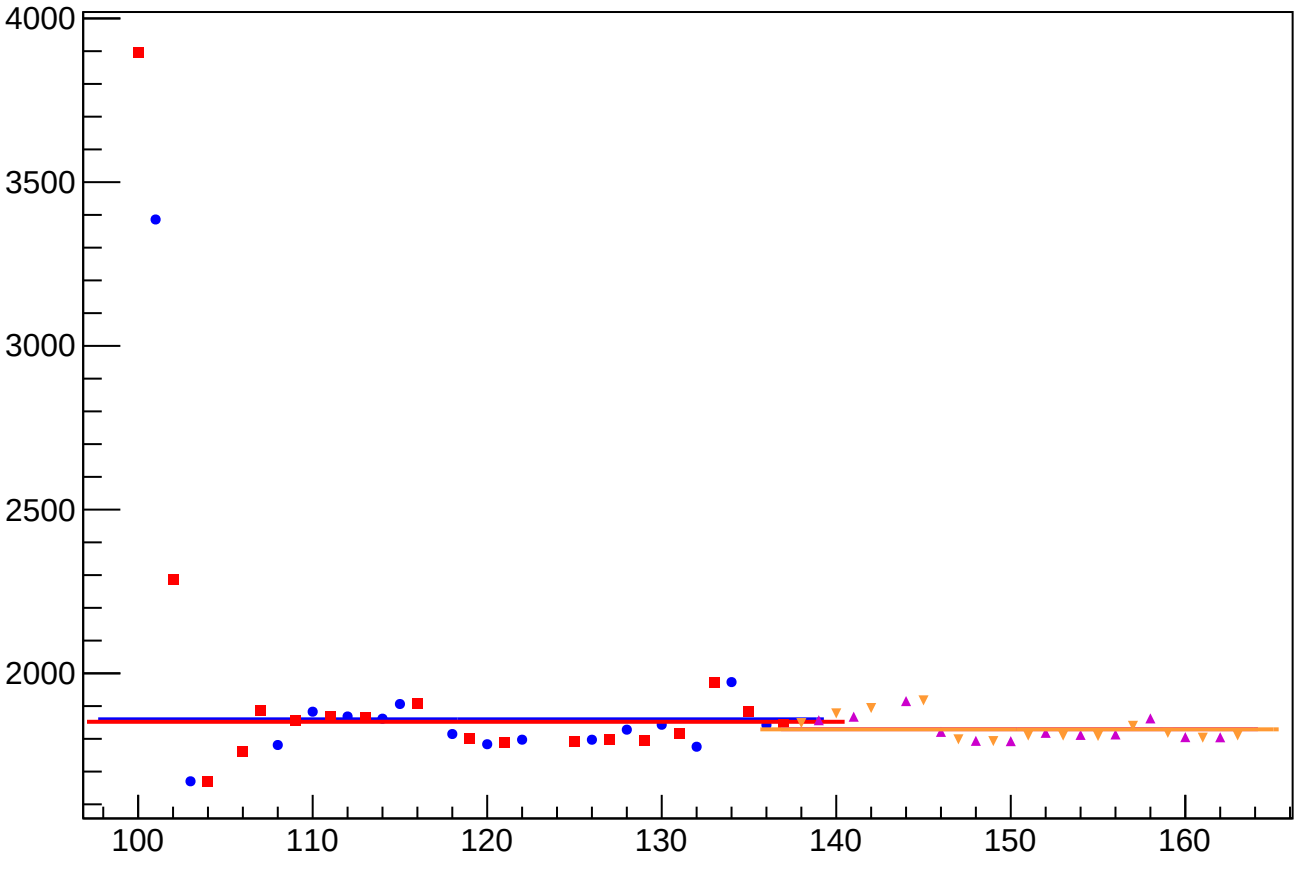
Left: 3949.900+/-401.553 χ^2/NDF: 38.1/24

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4882.273+/-441.012 χ^2/NDF:29.3/27

Out: 3385.200+/-439.680 χ^2/NDF:27.7/30

All: 4131.473+/-311.371 χ^2/NDF: 62.8/58



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1829.575+/-0.402 χ^2/NDF:7673.3/11

Left: 1829.284+/-0.284 χ^2/NDF: 15826.7/24

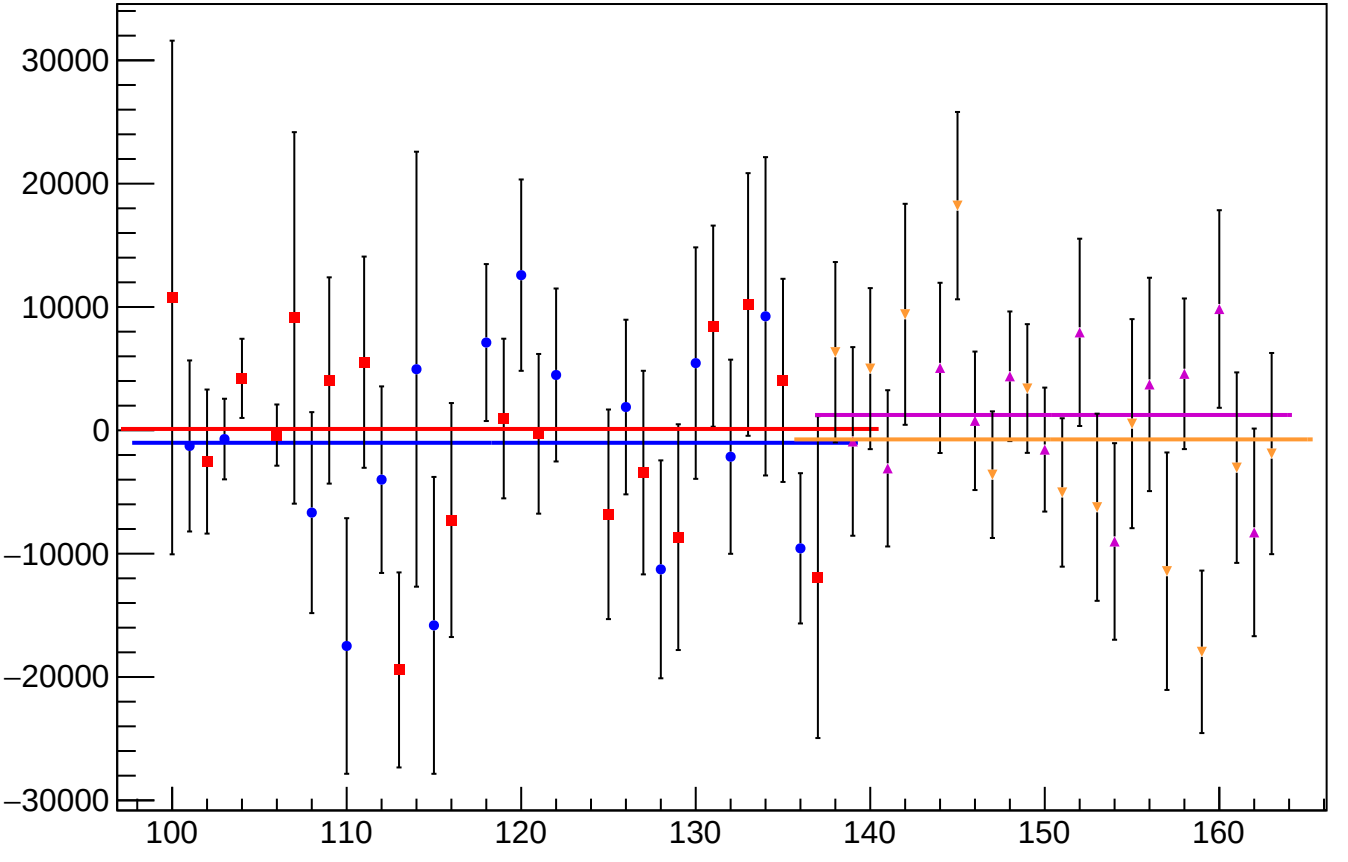
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1841.493+/-0.312 χ^2/NDF:302215.8/27

Out: 1838.240+/-0.311 χ^2/NDF:111690.7/30

All: 1839.860+/-0.220 χ^2/NDF: 413961.2/58

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: -734.742+/-1920.278 χ^2/NDF:19.4/12

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1245.633+/-1912.085 χ^2/NDF:6.8/11

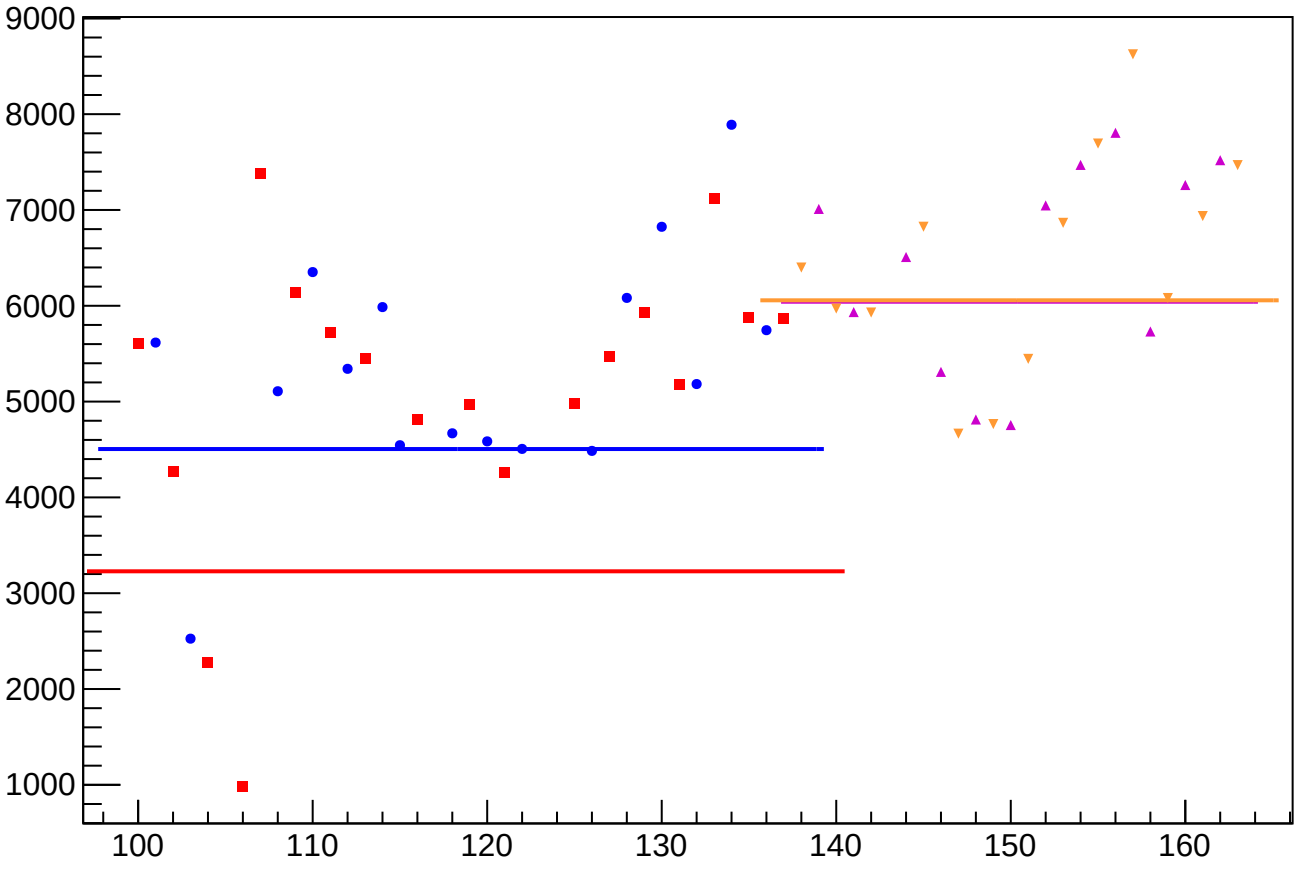
Left: 259.679+/-1354.936 χ^2/NDF: 26.7/24

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 27.059+/-1296.603 χ^2/NDF:22.3/27

Out: -192.842+/-1151.299 χ^2/NDF:34.1/30

All: -95.899+/-860.899 χ^2/NDF: 56.4/58



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6057.019+/-1.358 χ^2/NDF:641108.5/12

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6042.281+/-1.352 χ^2/NDF:611816.1/11

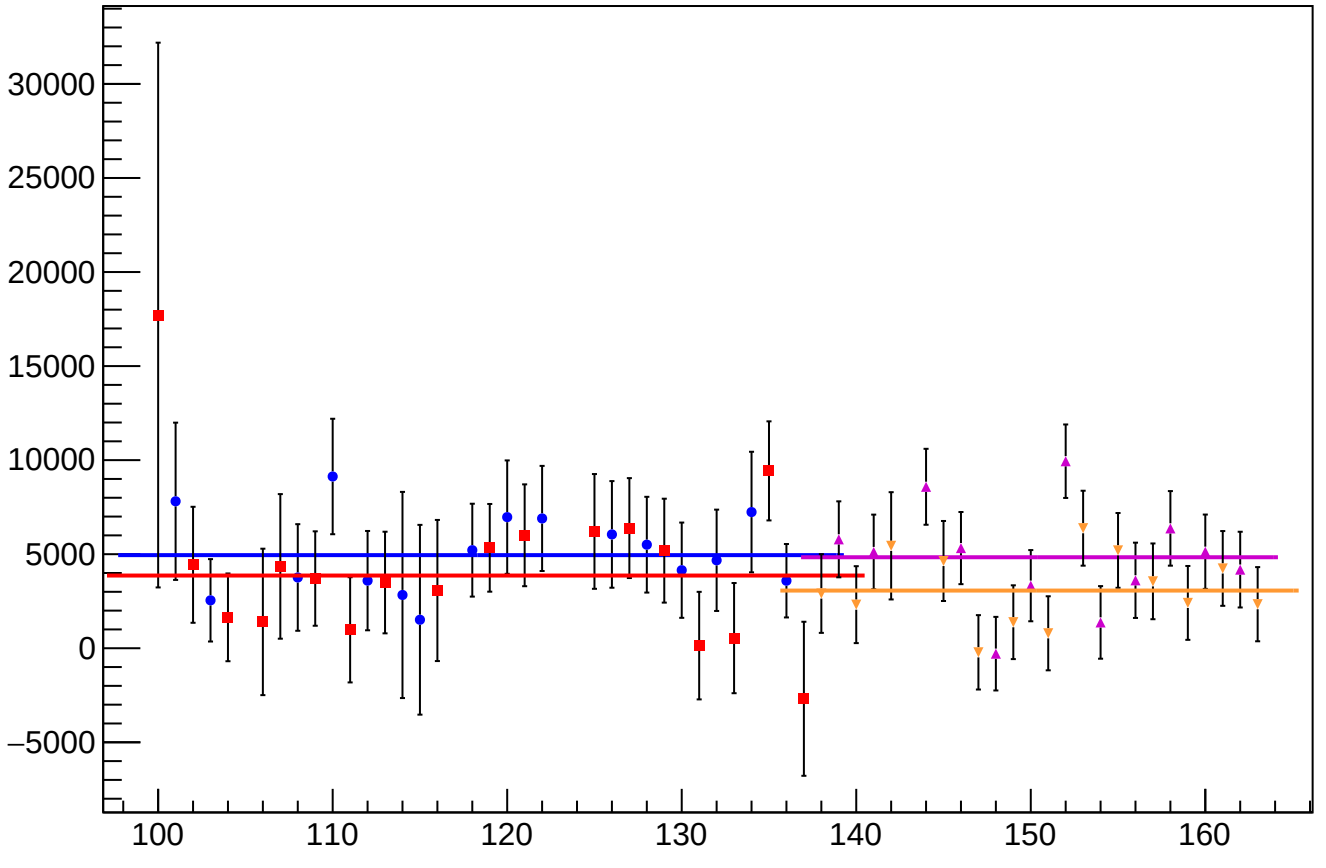
Left: 6049.618+/-0.958 χ^2/NDF: 1252983.8/24

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5211.778+/-0.917 χ^2/NDF:2631426.8/27

Out: 4245.301+/-0.814 χ^2/NDF:7376805.2/30

All: 4671.372+/-0.609 χ^2/NDF: 10629568.4/5



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4837.413+/-568.459 χ^2/NDF:22.4/11

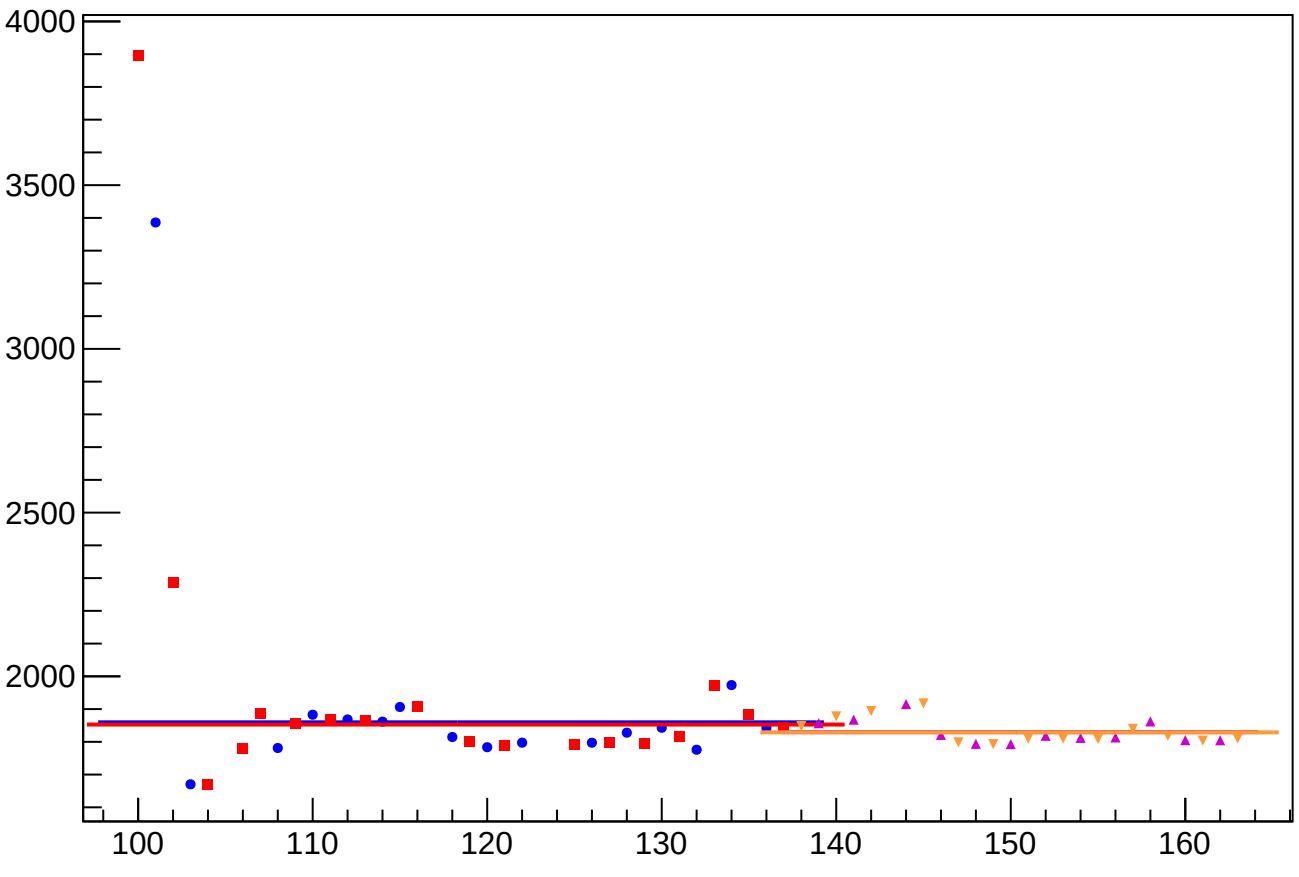
Left: 3949.916+/-401.553 χ^2/NDF: 38.1/24

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4882.173+/-441.012 χ^2/NDF:29.3/27

Out: 3385.042+/-439.680 χ^2/NDF:27.7/30

All: 4131.343+/-311.371 χ^2/NDF: 62.8/58



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.575+/-0.402 χ^2/NDF:7673.3/11

Left: 1829.284+/-0.284 χ^2/NDF: 15826.7/24

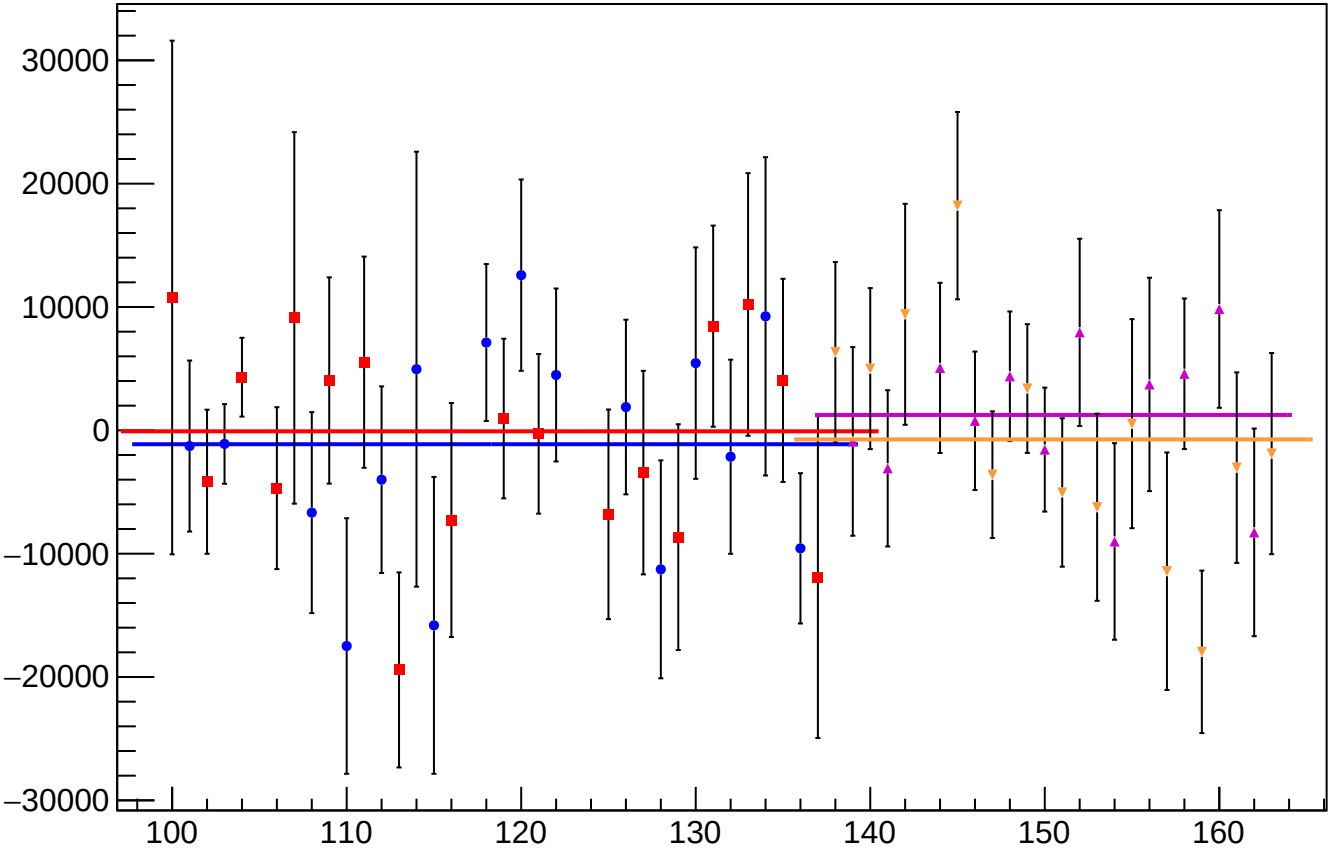
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1841.493+/-0.312 χ^2/NDF:302217.7/27

Out: 1838.519+/-0.311 χ^2/NDF:111310.5/30

All: 1840.000+/-0.220 χ^2/NDF: 413573.9/58

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -734.833+/-1920.277 χ^2/NDF:19.4/12

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1245.792+/-1912.085 χ^2/NDF:6.8/11

Left: 259.713+/-1354.935 χ^2/NDF: 26.7/24

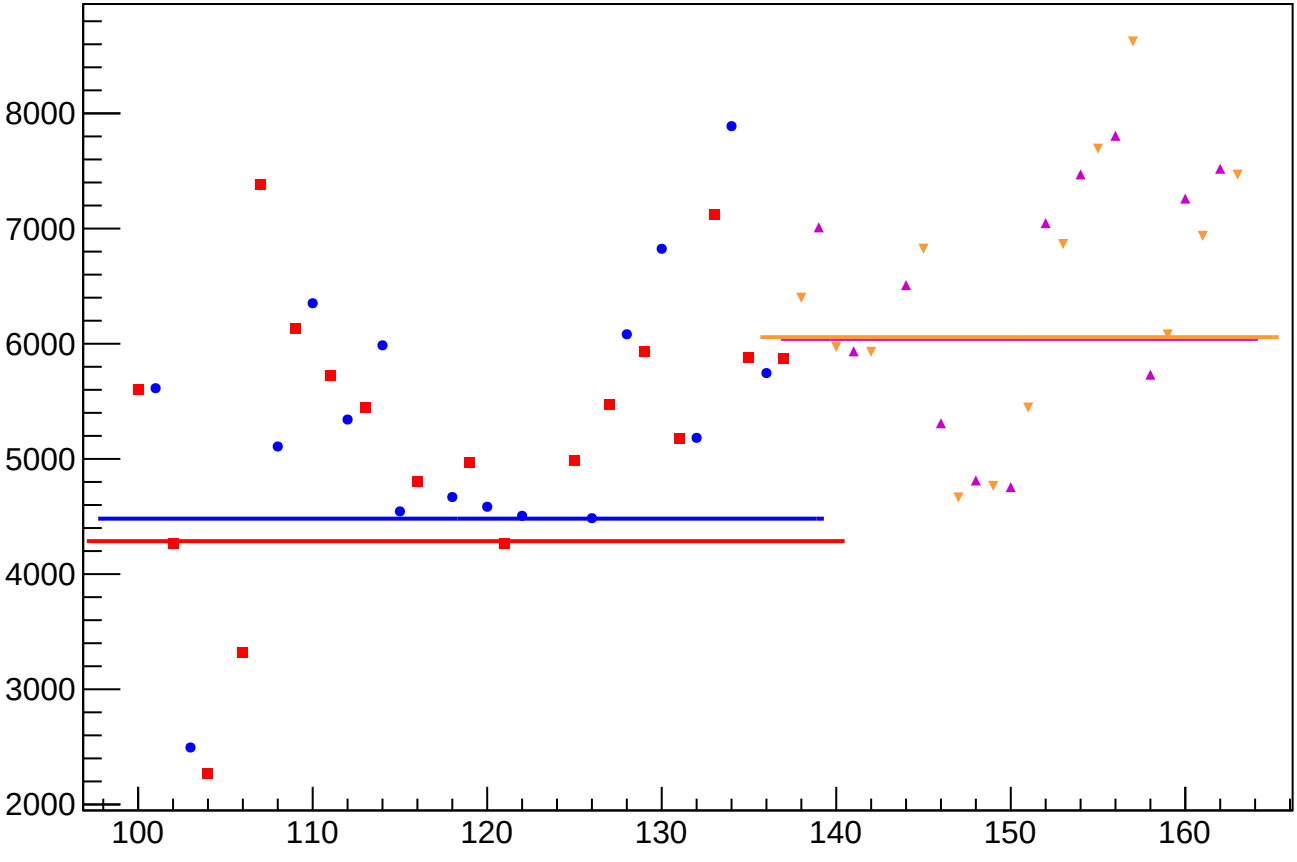
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -39.355+/-1294.094 χ^2/NDF:22.3/27

Out: -367.215+/-1273.894 χ^2/NDF:35.0/30

All: -205.864+/-907.837 χ^2/NDF: 57.4/58

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: 6057.016+/-1.358 χ^2/NDF:641118.0/12

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6042.280+/-1.352 χ^2/NDF:611822.7/11

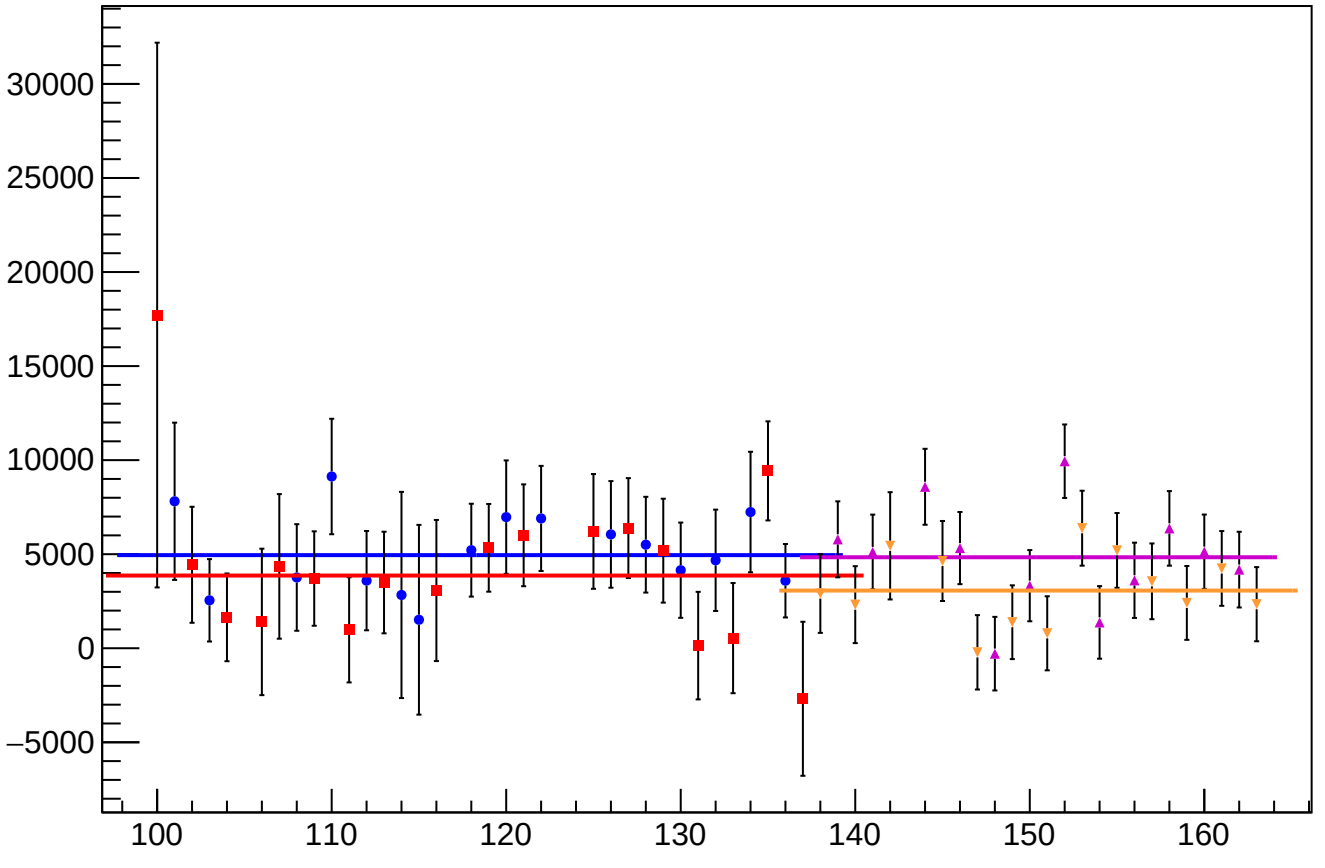
Left: 6049.617+/-0.958 χ^2/NDF: 1252999.8/24

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5196.433+/-0.915 χ^2/NDF:2696256.2/27

Out: 5065.471+/-0.901 χ^2/NDF:3143342.4/30

All: 5129.922+/-0.642 χ^2/NDF: 5850001.0/58



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3066.011+/-567.307 χ^2/NDF:10.8/12

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4837.413+/-568.459 χ^2/NDF:22.4/11

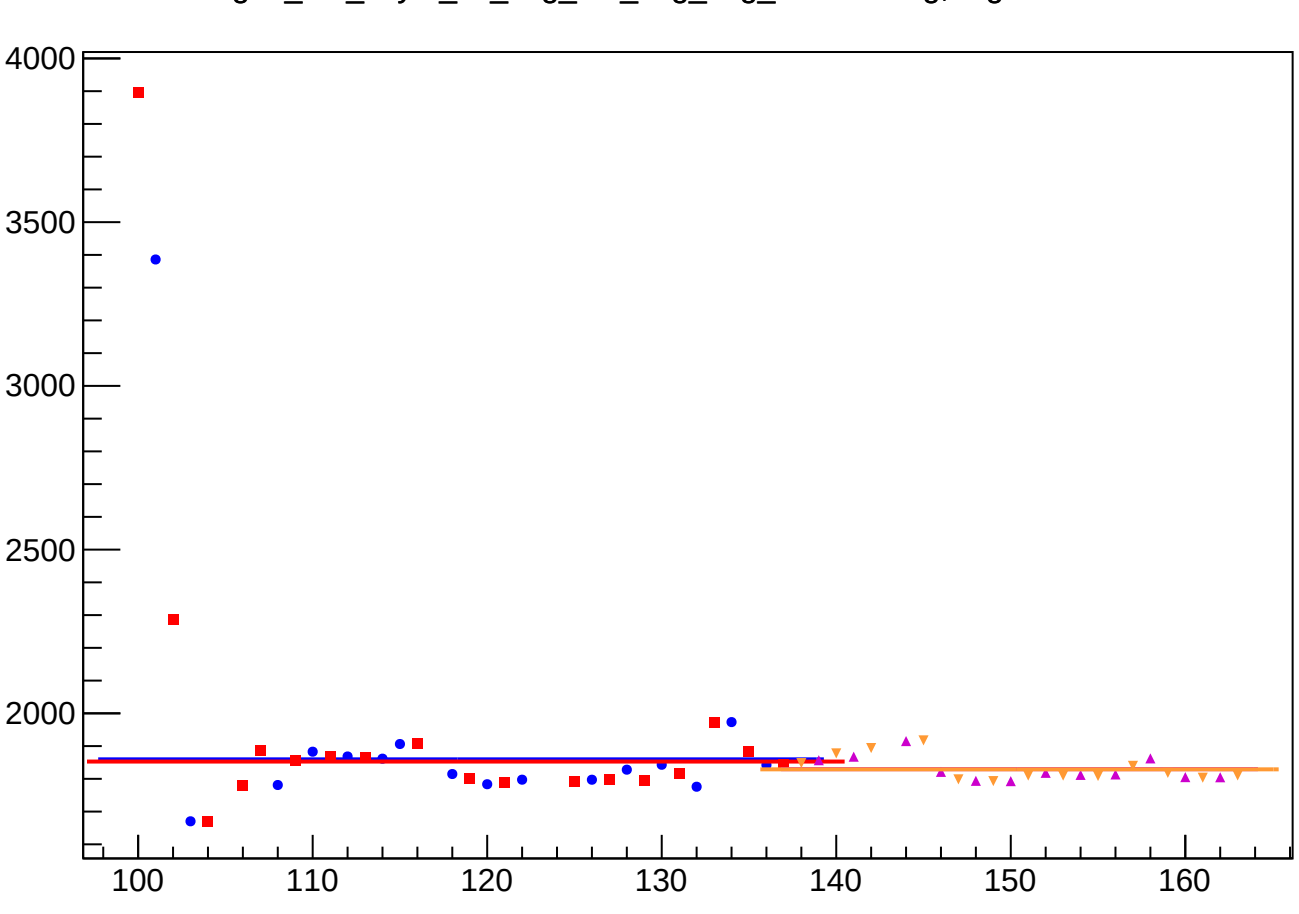
Left: 3949.916+/-401.553 χ^2/NDF: 38.1/24

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4882.173+/-441.012 χ^2/NDF:29.3/27

Out: 3385.042+/-439.680 χ^2/NDF:27.7/30

All: 4131.343+/-311.371 χ^2/NDF: 62.8/58



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1828.993+/-0.401 χ^2/NDF:8152.4/12

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1829.575+/-0.402 χ^2/NDF:7673.3/11

Left: 1829.284+/-0.284 χ^2/NDF: 15826.7/24

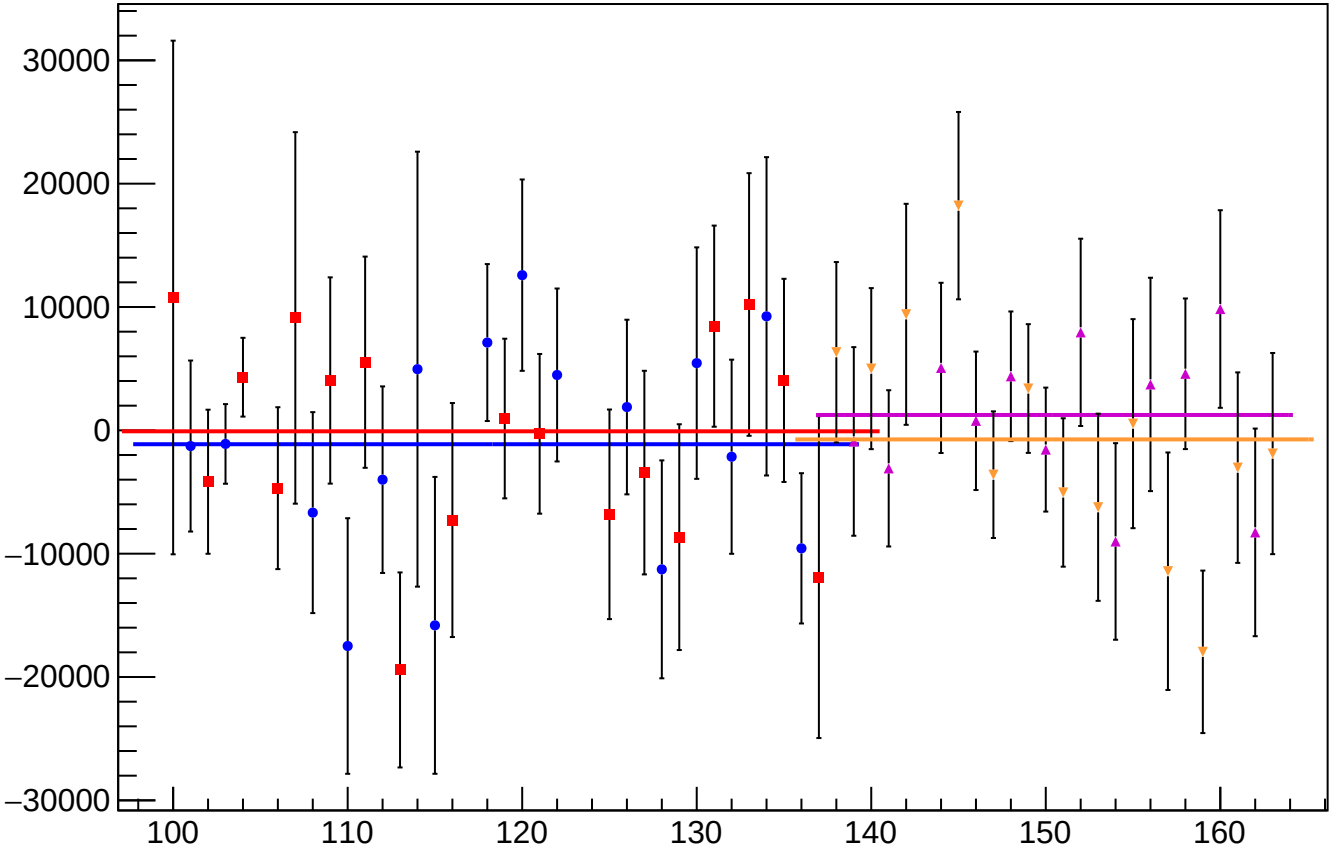
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1841.493+/-0.312 χ^2/NDF:302217.7/27

Out: 1838.519+/-0.311 χ^2/NDF:111310.5/30

All: 1840.000+/-0.220 χ^2/NDF: 413573.9/58

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: -734.833+/-1920.277 χ^2/NDF:19.4/12

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1245.792+/-1912.085 χ^2/NDF:6.8/11

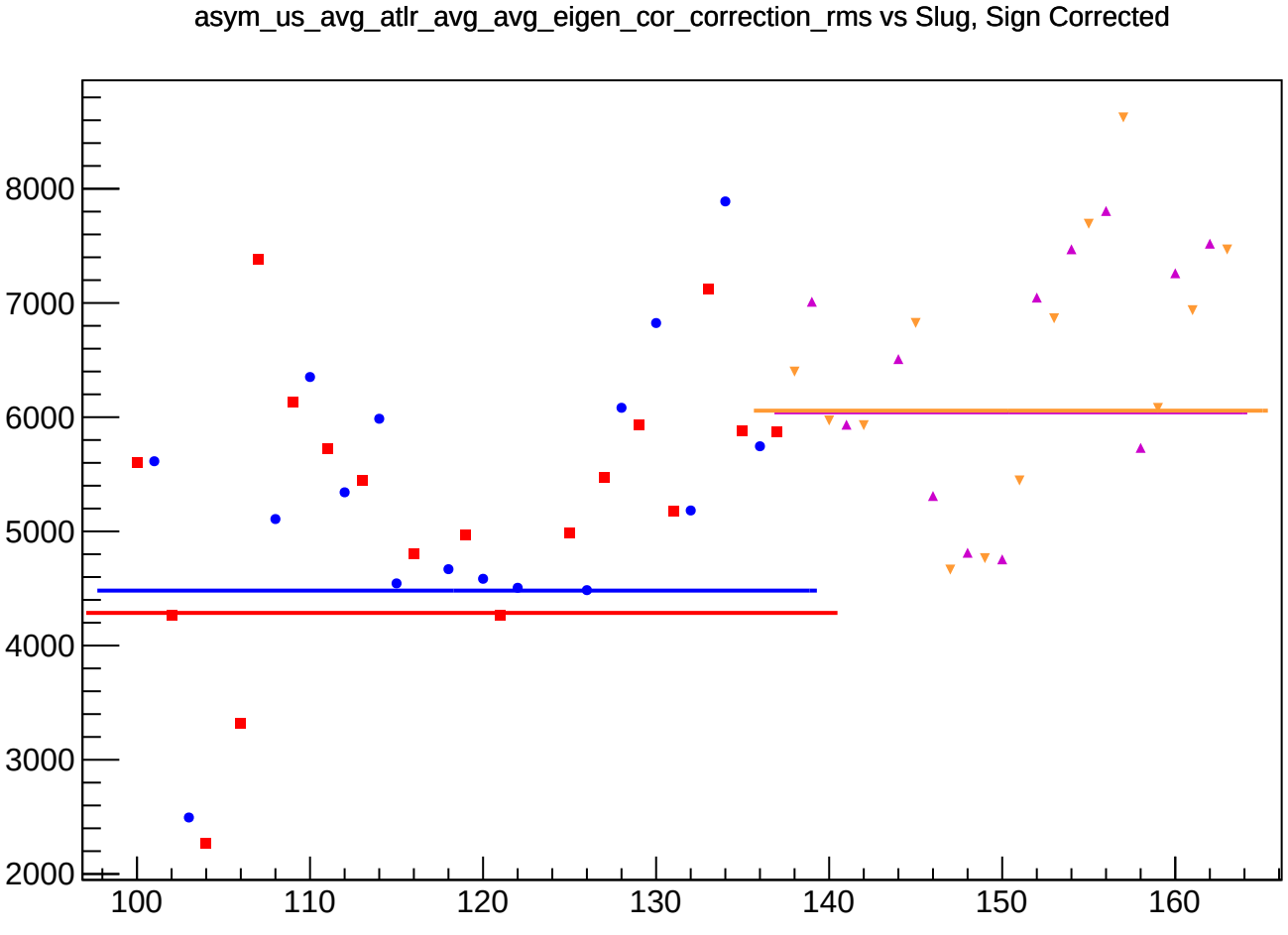
Left: 259.713+/-1354.935 χ^2/NDF: 26.7/24

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -39.355+/-1294.094 χ^2/NDF:22.3/27

Out: -367.215+/-1273.894 χ^2/NDF:35.0/30

All: -205.864+/-907.837 χ^2/NDF: 57.4/58



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6057.016+/-1.358 χ^2/NDF:641118.0/12

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6042.280+/-1.352 χ^2/NDF:611822.7/11

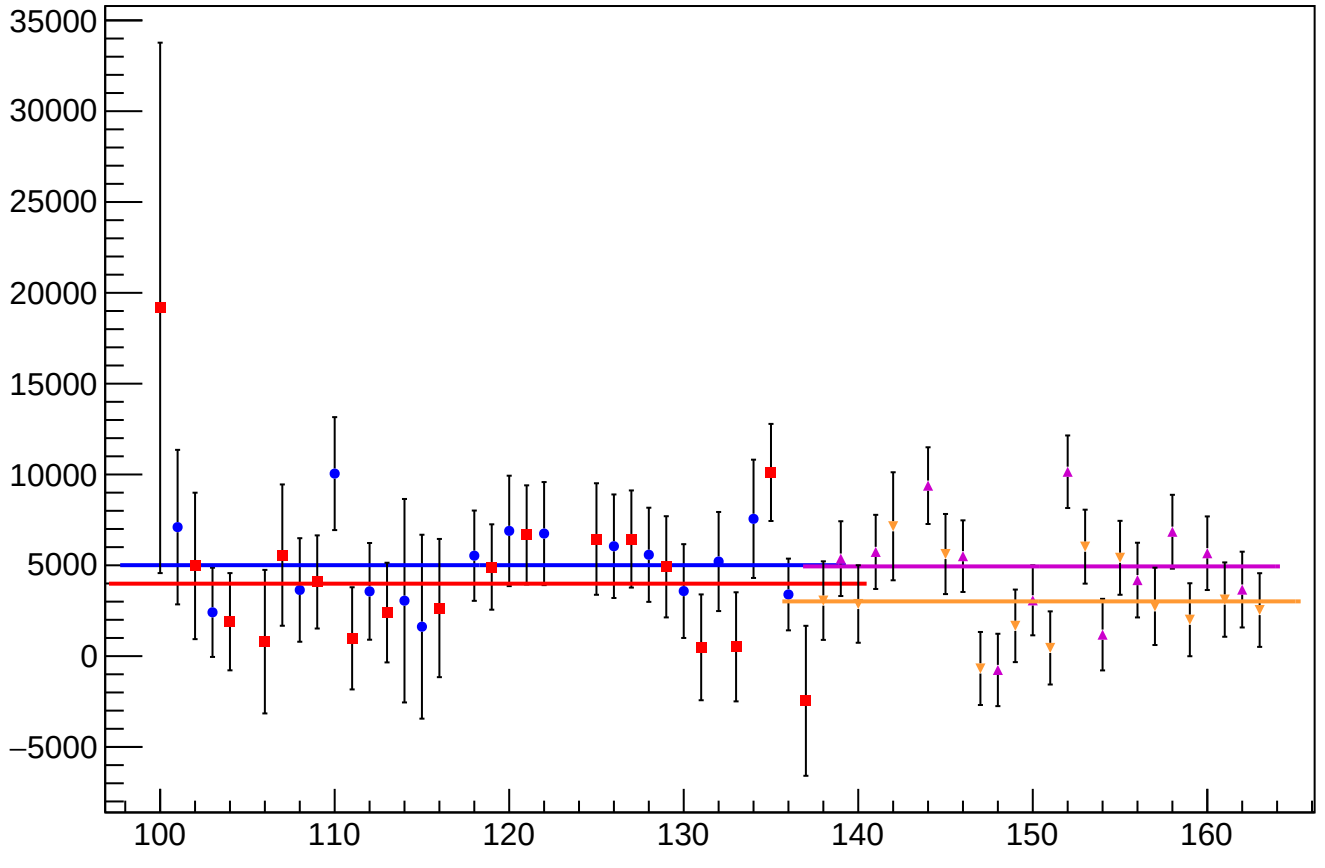
Left: 6049.617+/-0.958 χ^2/NDF: 1252999.8/24

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5196.433+/-0.915 χ^2/NDF:2696256.2/27

Out: 5065.471+/-0.901 χ^2/NDF:3143342.4/30

All: 5129.922+/-0.642 χ^2/NDF: 5850001.0/58



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3014.121+/-584.173 χ^2/NDF:12.7/12

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4939.772+/-583.261 χ^2/NDF:25.8/11

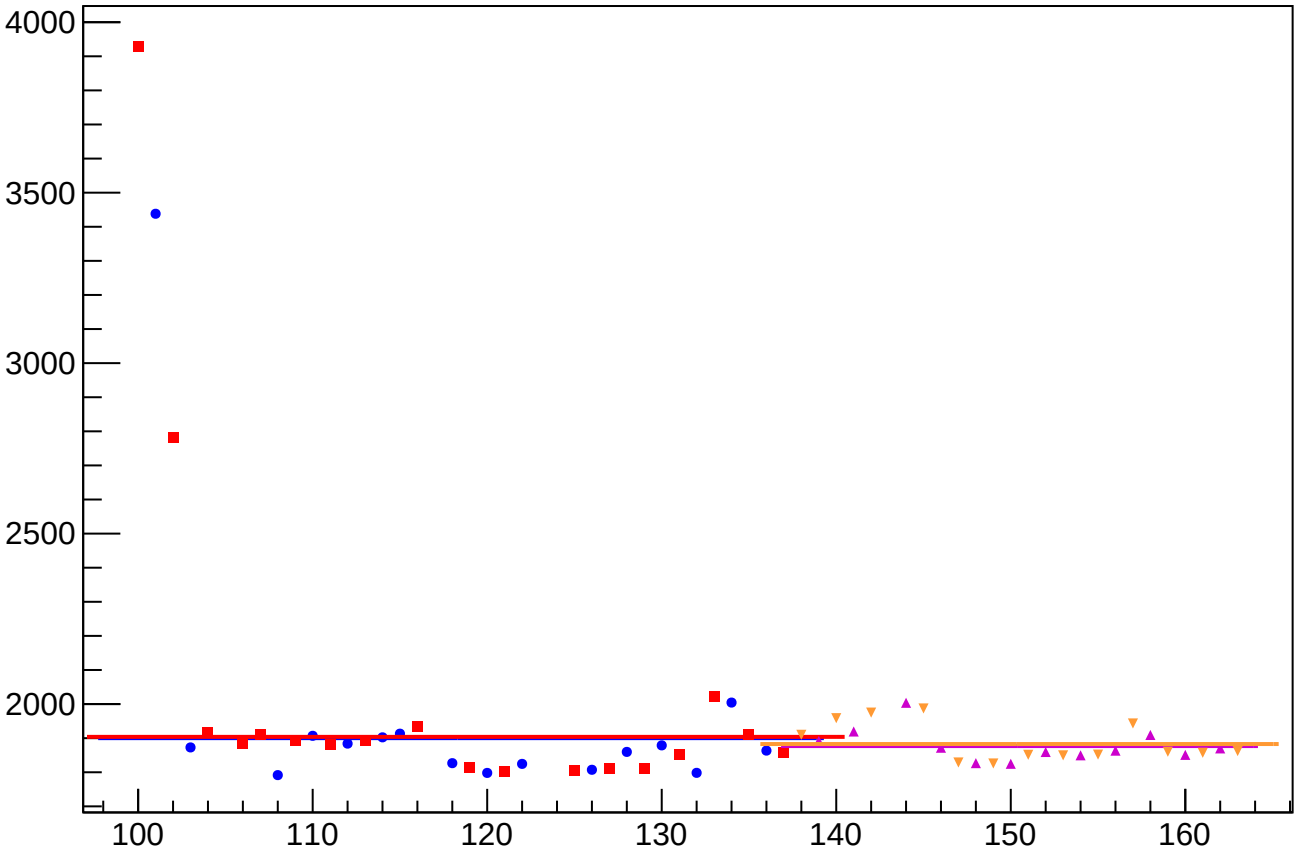
Left: 3978.452+/-412.750 χ^2/NDF: 43.9/24

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4966.802+/-451.720 χ^2/NDF:33.5/27

Out: 3401.828+/-453.396 χ^2/NDF:31.2/30

All: 4187.212+/-320.005 χ^2/NDF: 70.6/58



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1882.789+/-0.413 χ^2/NDF:16188.2/12

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1876.845+/-0.412 χ^2/NDF:12418.2/11

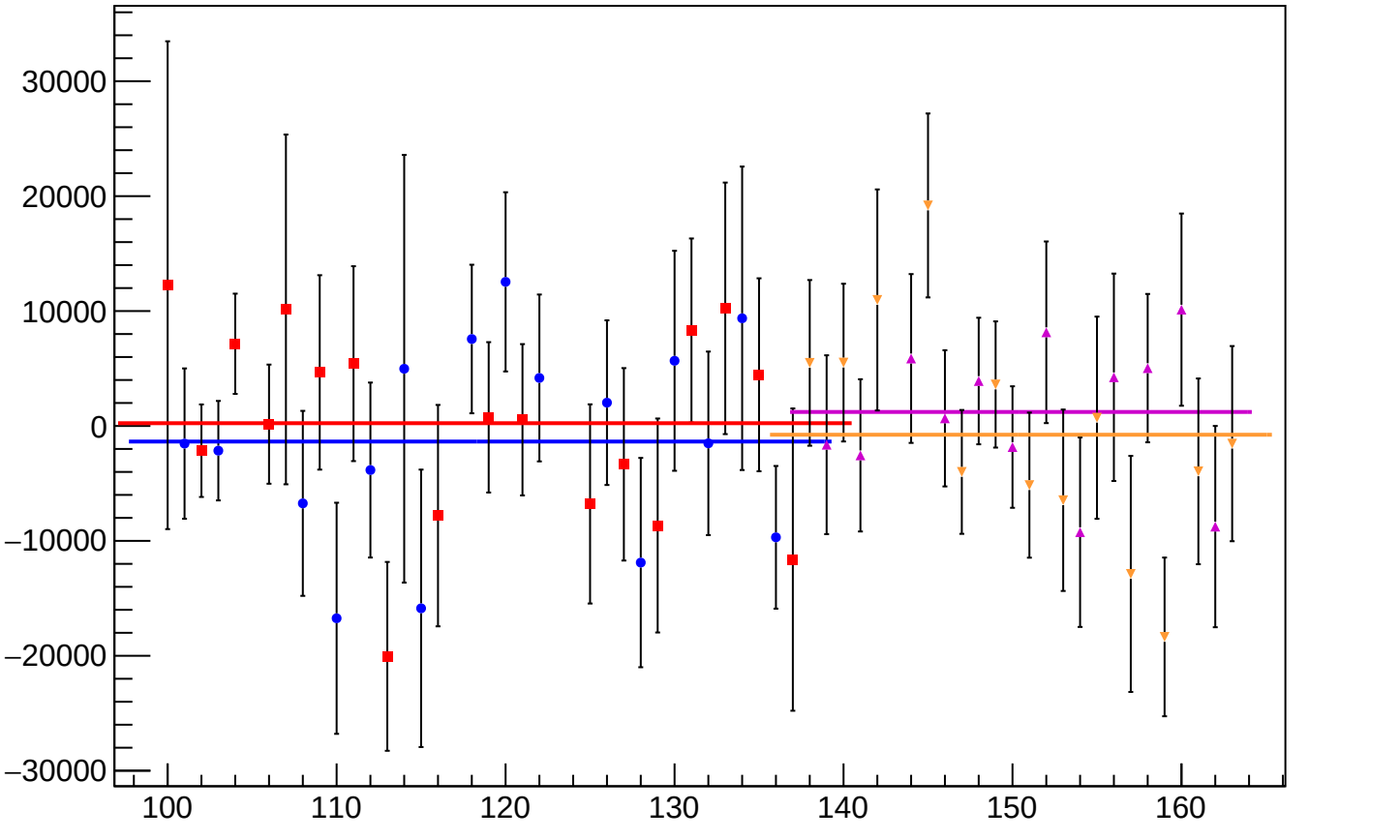
Left: 1879.812+/-0.292 χ^2/NDF: 28710.1/24

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1886.156+/-0.319 χ^2/NDF:292140.0/27

Out: 1891.165+/-0.320 χ^2/NDF:167336.8/30

All: 1888.652+/-0.226 χ^2/NDF: 459599.3/58



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: -764.153+/-2007.505 χ^2/NDF:19.4/12

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1218.141+/-2002.549 χ^2/NDF:6.7/11

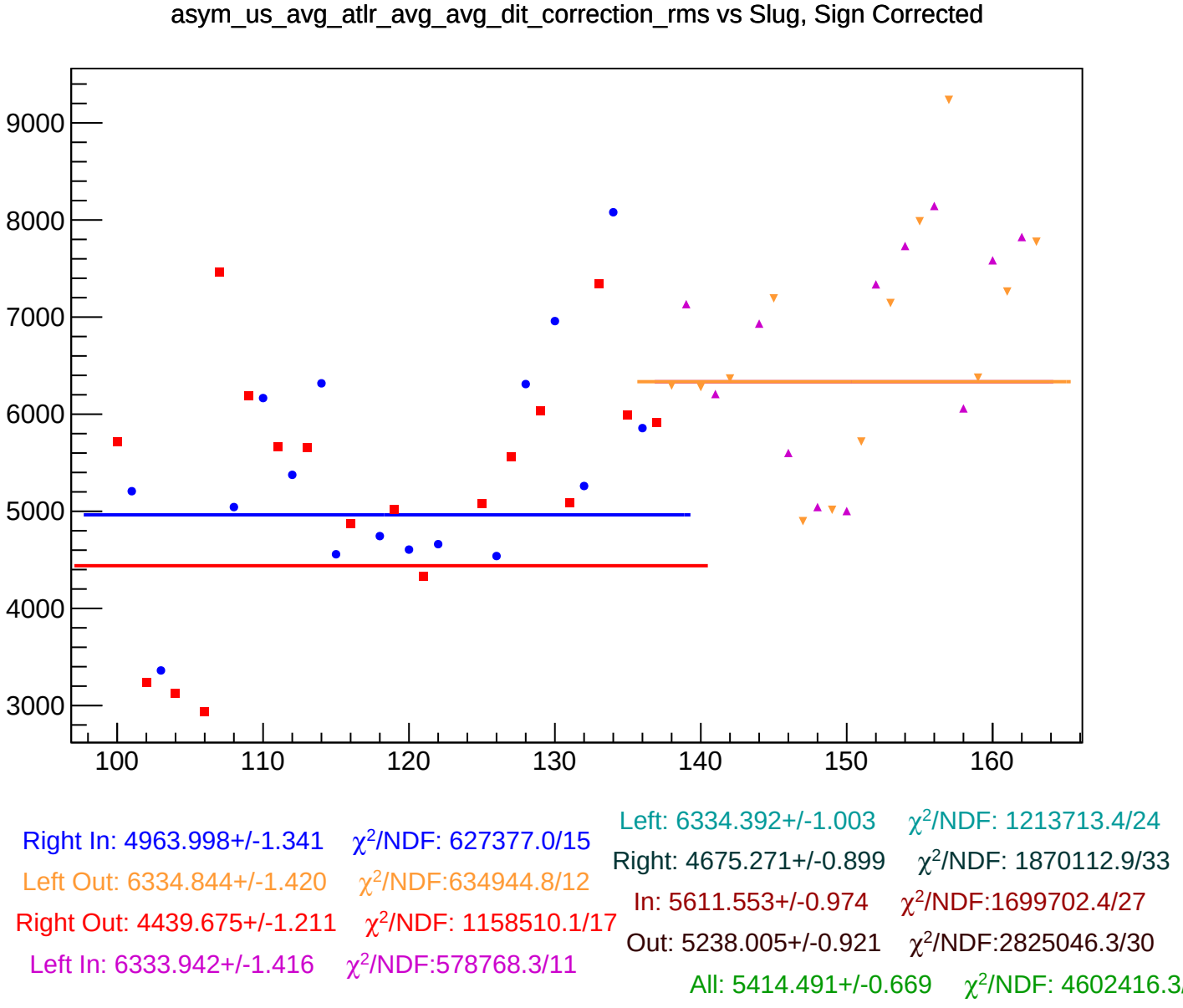
Left: 229.444+/-1417.765 χ^2/NDF: 26.6/24

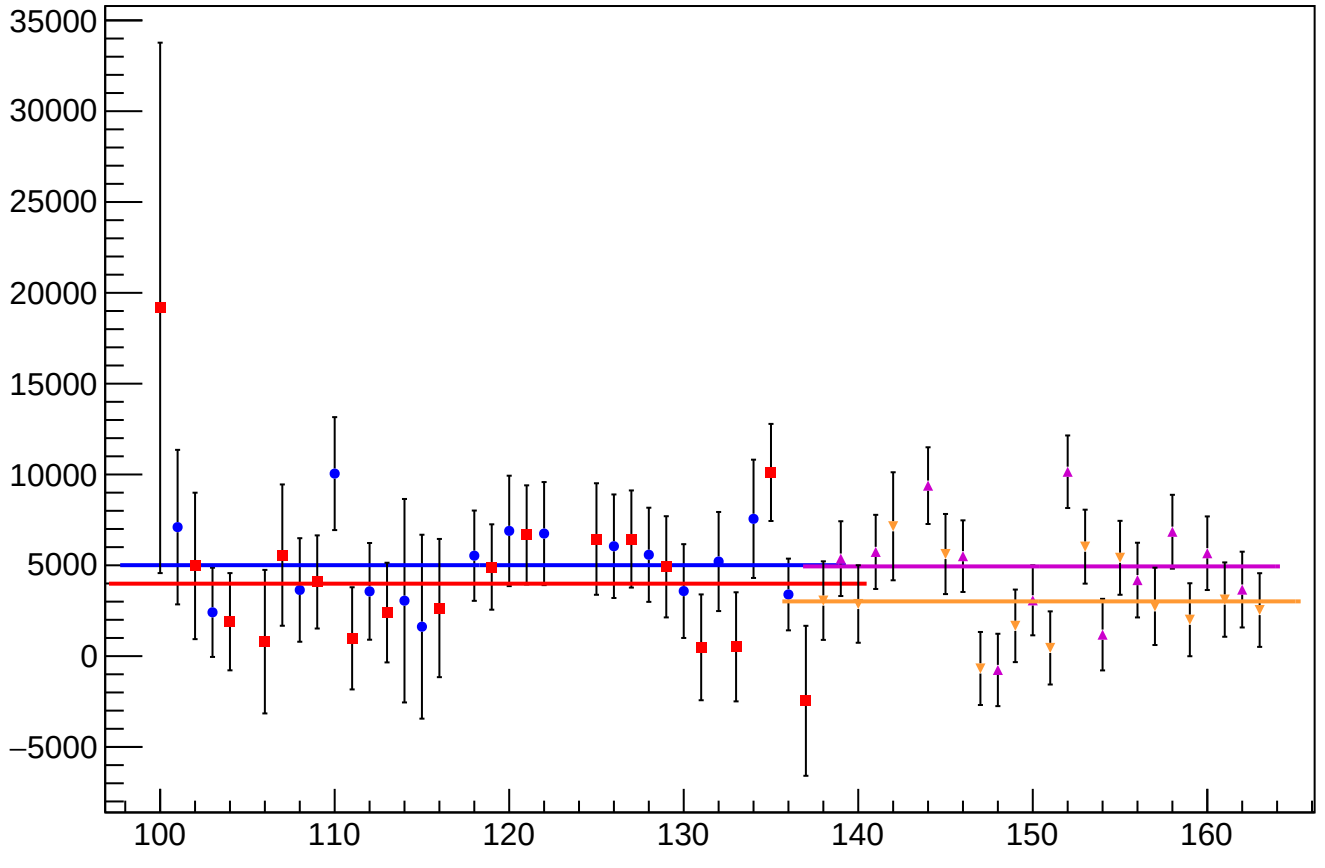
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -139.560+/-1376.798 χ^2/NDF:22.3/27

Out: -182.327+/-1302.939 χ^2/NDF:35.2/30

All: -162.121+/-946.351 χ^2/NDF: 57.5/58


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6334.844+/-1.420 χ²/NDF:634944.8/12
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6333.942+/-1.416 χ²/NDF:578768.3/11
Left: 6334.392+/-1.003 χ²/NDF: 1213713.4/24
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5611.553+/-0.974 χ²/NDF:1699702.4/27
Out: 5238.005+/-0.921 χ²/NDF:2825046.3/30
All: 5414.491+/-0.669 χ²/NDF: 4602416.3/58



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3014.110+/-584.174 χ^2/NDF:12.7/12

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4939.773+/-583.261 χ^2/NDF:25.8/11

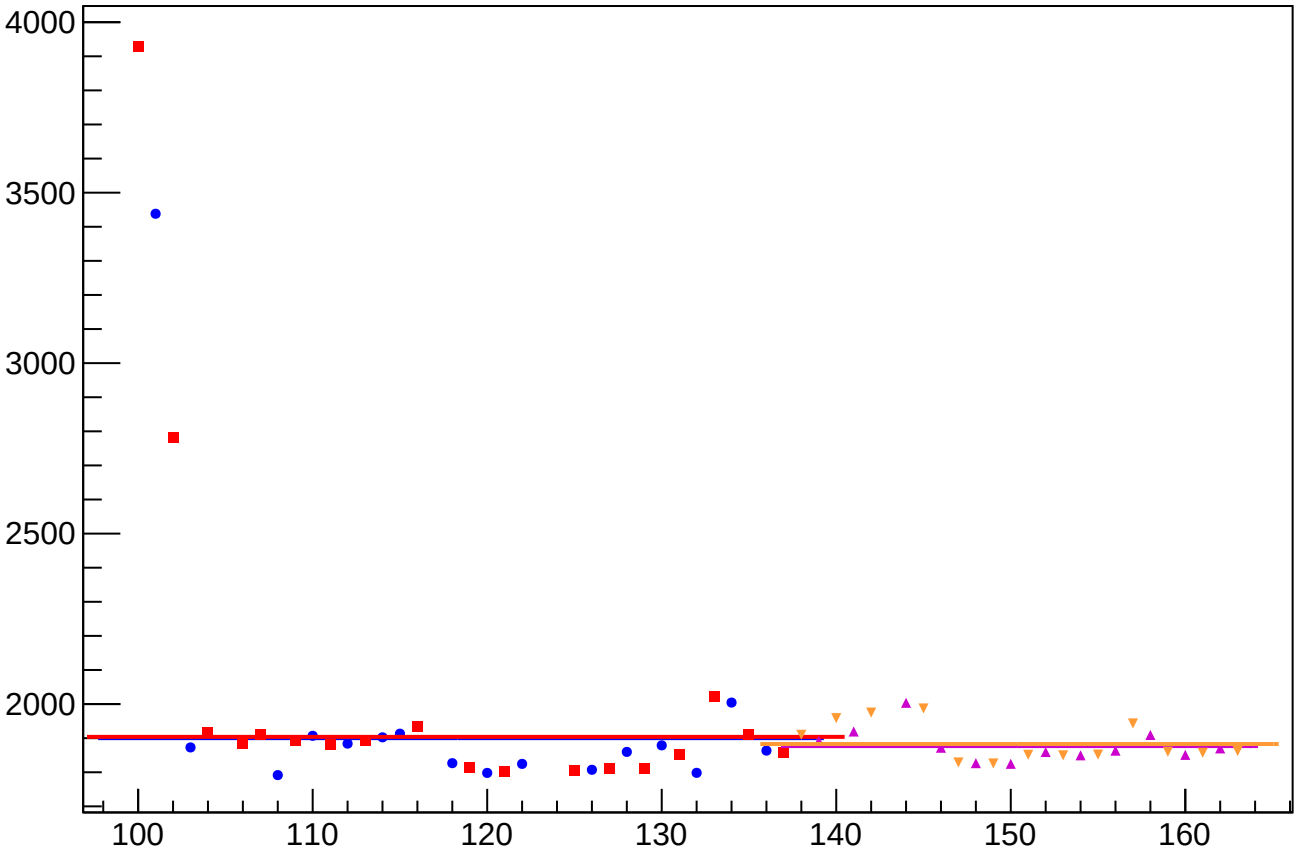
Left: 3978.447+/-412.750 χ^2/NDF: 43.9/24

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4966.802+/-451.720 χ^2/NDF:33.5/27

Out: 3401.822+/-453.396 χ^2/NDF:31.2/30

All: 4187.210+/-320.005 χ^2/NDF: 70.6/58



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1882.791+/-0.413 χ^2/NDF:16188.4/12

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1876.846+/-0.412 χ^2/NDF:12418.3/11

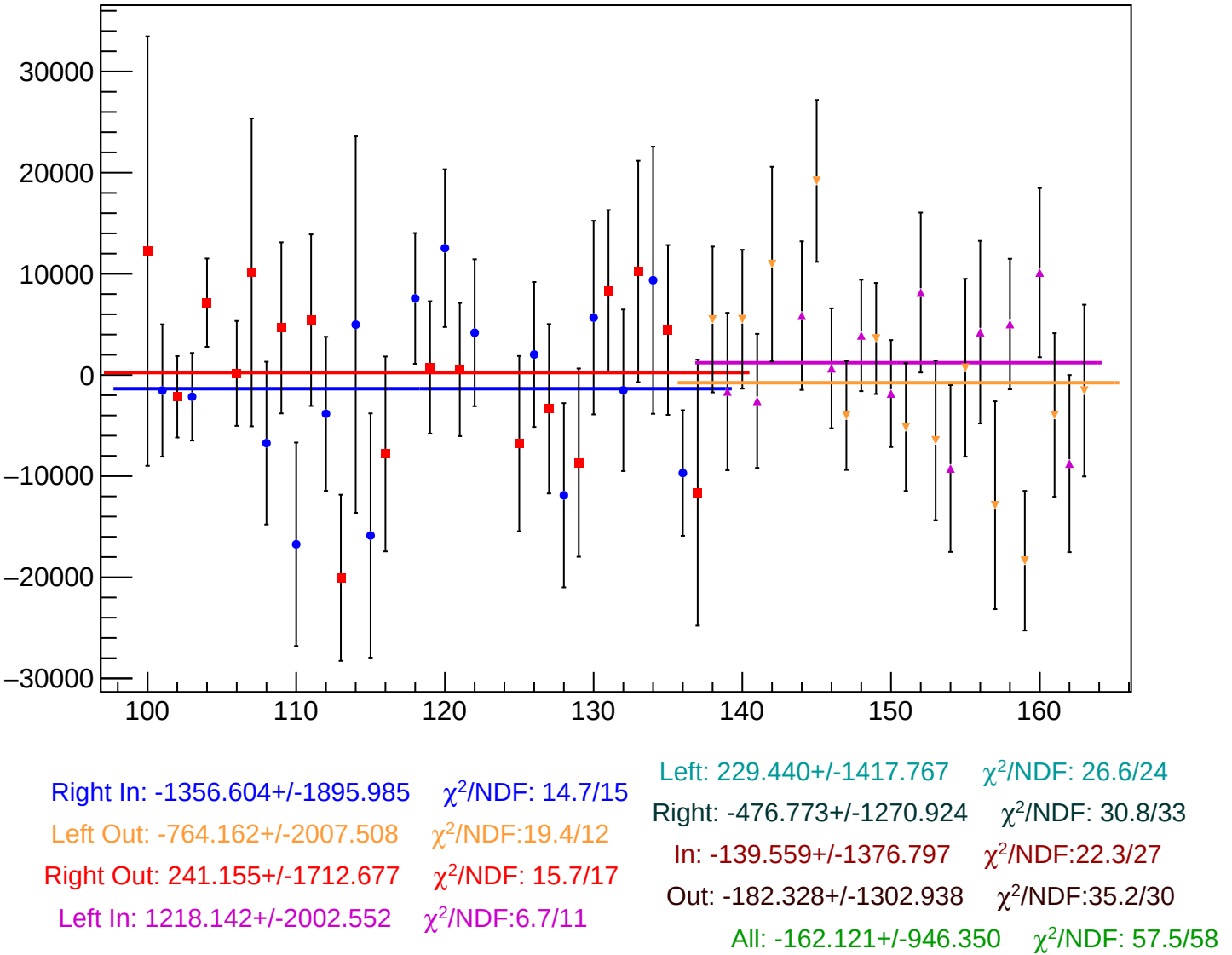
Left: 1879.814+/-0.292 χ^2/NDF: 28710.4/24

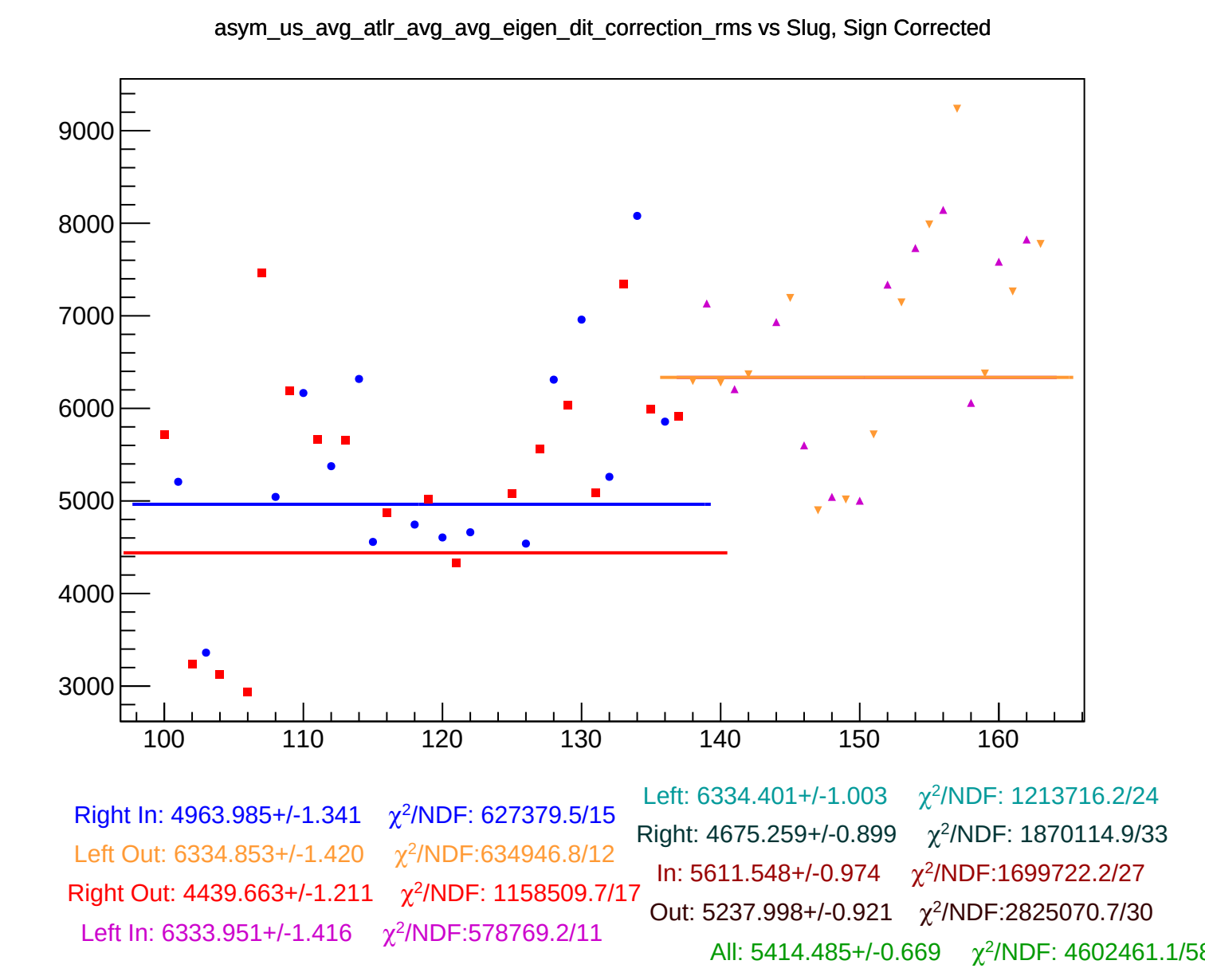
Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

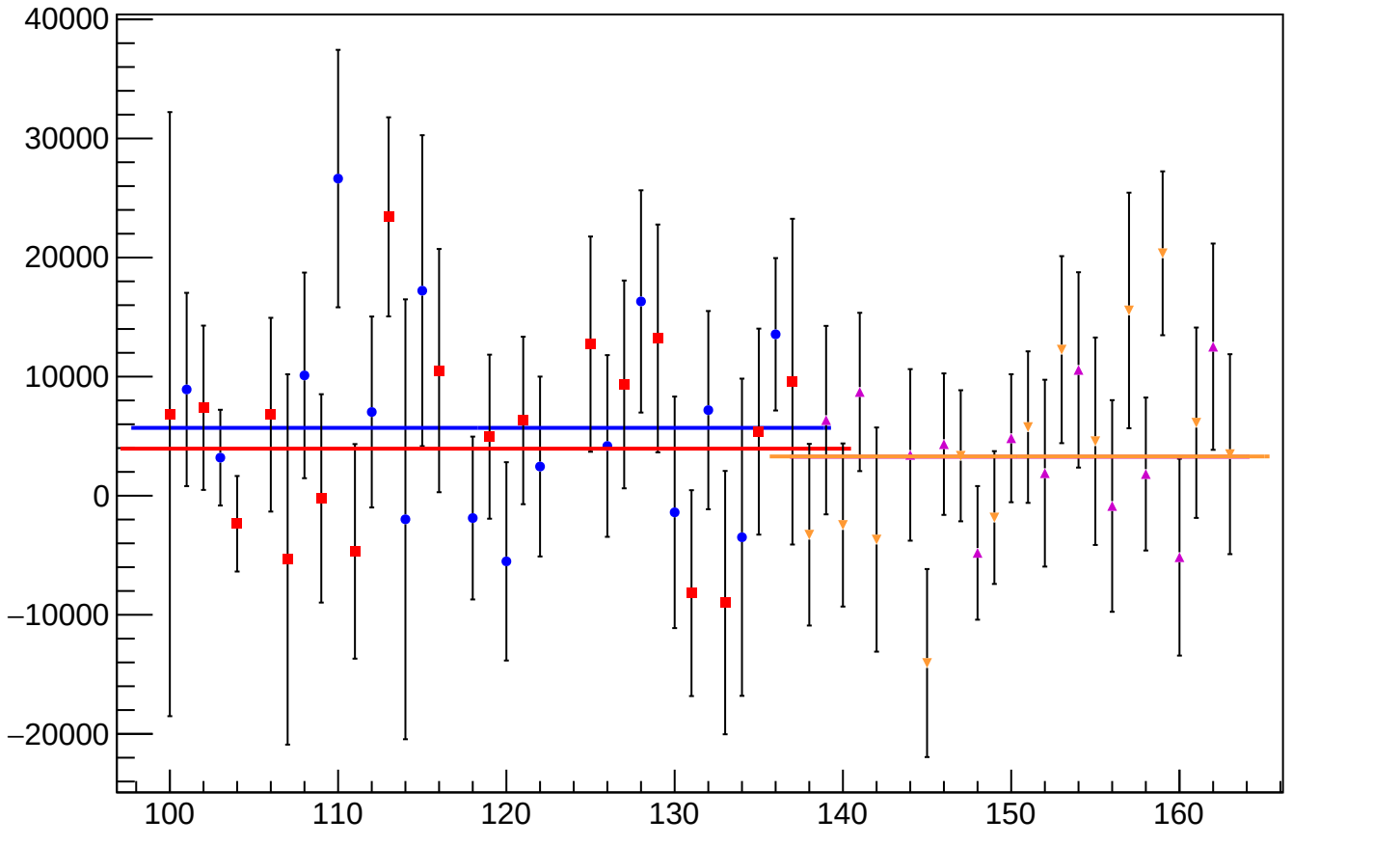
In: 1886.156+/-0.319 χ^2/NDF:292140.2/27

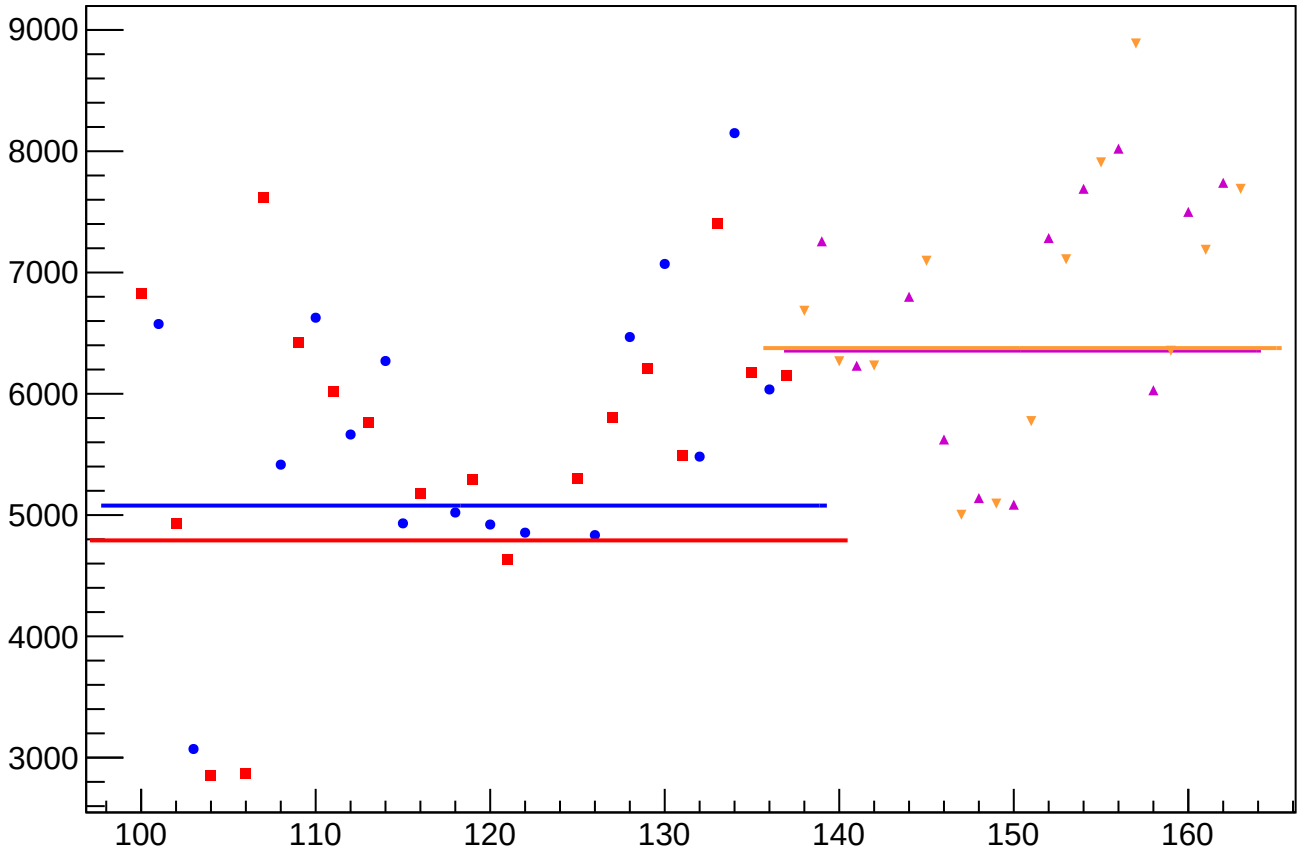
Out: 1891.166+/-0.320 χ^2/NDF:167336.0/30

All: 1888.653+/-0.226 χ^2/NDF: 459598.8/58


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: -764.162+/-2007.508 χ²/NDF:19.4/12
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 1218.142+/-2002.552 χ²/NDF:6.7/11
Left: 229.440+/-1417.767 χ²/NDF: 26.6/24
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -139.559+/-1376.797 χ²/NDF:22.3/27
Out: -182.328+/-1302.938 χ²/NDF:35.2/30
All: -162.121+/-946.350 χ²/NDF: 57.5/58


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 6334.853+/-1.420 χ²/NDF:634946.8/12
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6333.951+/-1.416 χ²/NDF:578769.2/11
Left: 6334.401+/-1.003 χ²/NDF: 1213716.2/24
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5611.548+/-0.974 χ²/NDF:1699722.2/27
Out: 5237.998+/-0.921 χ²/NDF:2825070.7/30
All: 5414.485+/-0.669 χ²/NDF: 4602461.1/58


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 3296.564+/-2014.960 χ²/NDF:17.0/12
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 3275.131+/-2005.637 χ²/NDF:6.3/11
Left: 3285.798+/-1421.484 χ²/NDF: 23.2/24
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 4514.530+/-1401.498 χ²/NDF:19.7/27
Out: 3638.626+/-1390.225 χ²/NDF:33.1/30
All: 4073.041+/-986.999 χ²/NDF: 53.0/58



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6376.809+/-1.425 χ^2/NDF:546931.1/12

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6356.278+/-1.418 χ^2/NDF:516123.7/11

Left: 6366.496+/-1.005 χ^2/NDF: 1063159.1/24

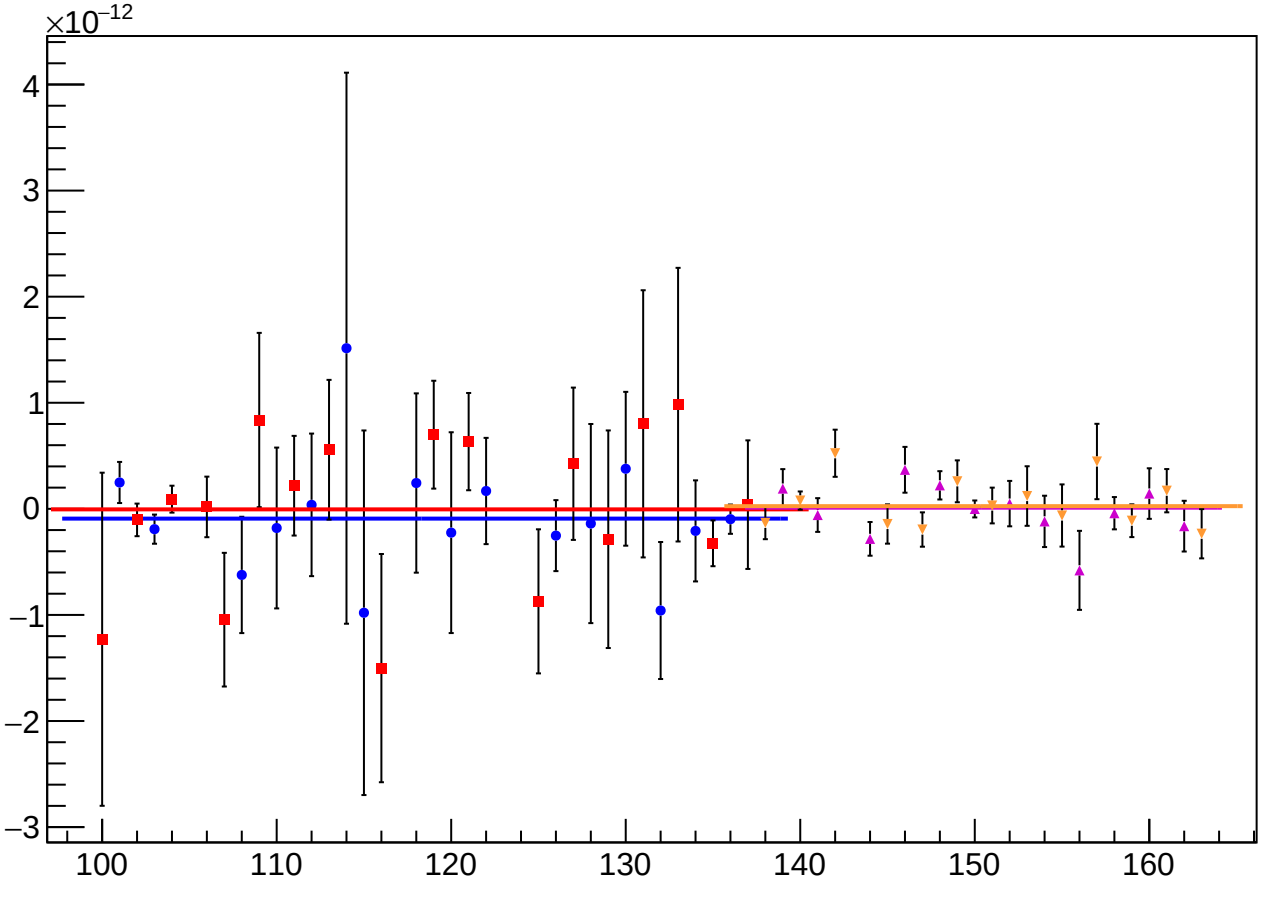
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5702.244+/-0.991 χ^2/NDF:1850954.6/27

Out: 5529.902+/-0.973 χ^2/NDF:2370904.4/30

All: 5614.450+/-0.694 χ^2/NDF: 4237265.5/58

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:13.6/11

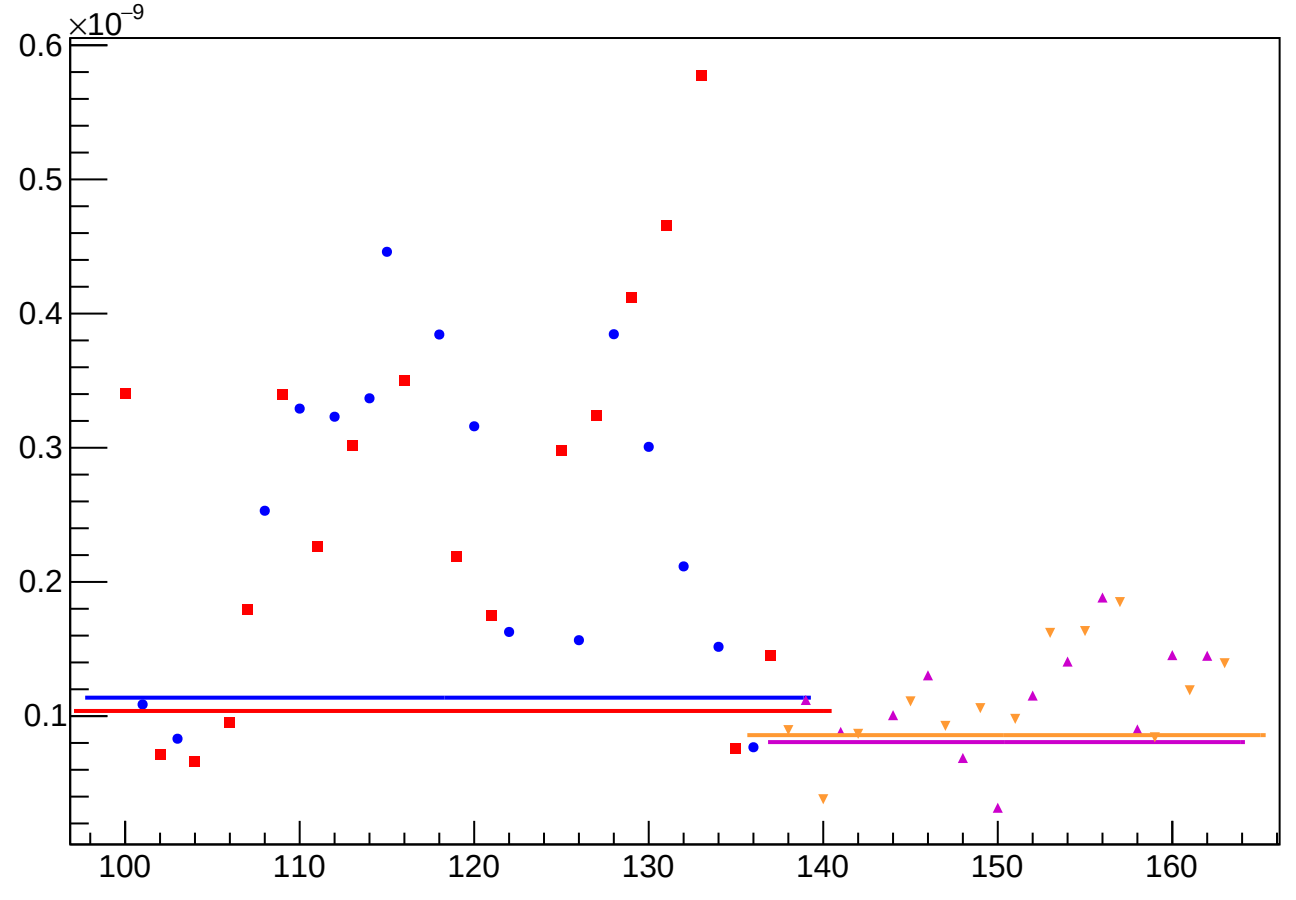
Left: 0.000+/-0.000 χ^2/NDF: 28.4/24

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:23.1/27

Out: 0.000+/-0.000 χ^2/NDF:32.2/30

All: 0.000+/-0.000 χ^2/NDF: 55.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1296932.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1611181.2/11

Left: 0.000+/-0.000 χ^2/NDF: 2920362.5/24

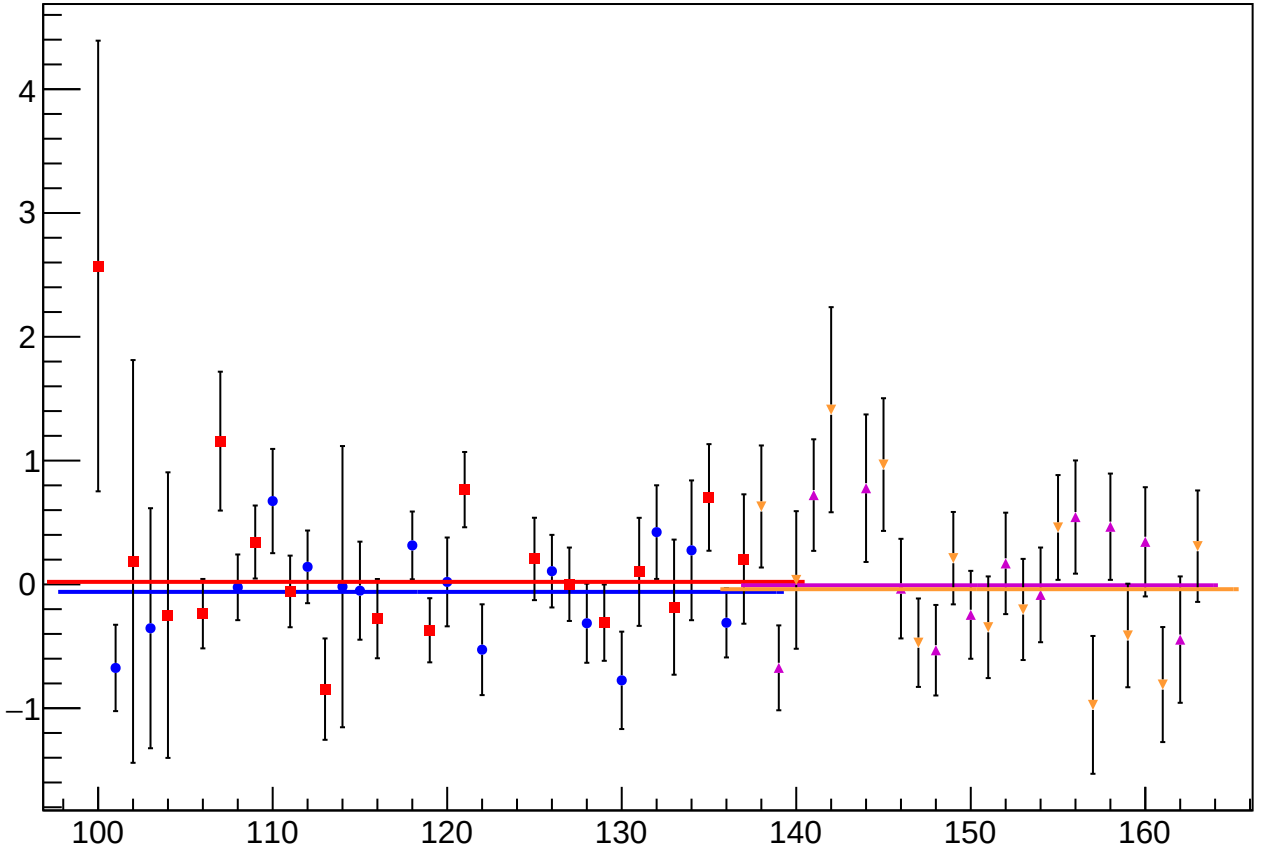
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3403610.7/27

Out: 0.000+/-0.000 χ^2/NDF:3463494.8/30

All: 0.000+/-0.000 χ^2/NDF: 6868502.8/58

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.007+/-0.120 χ^2/NDF:14.9/11

Left: -0.022+/-0.087 χ^2/NDF: 34.4/24

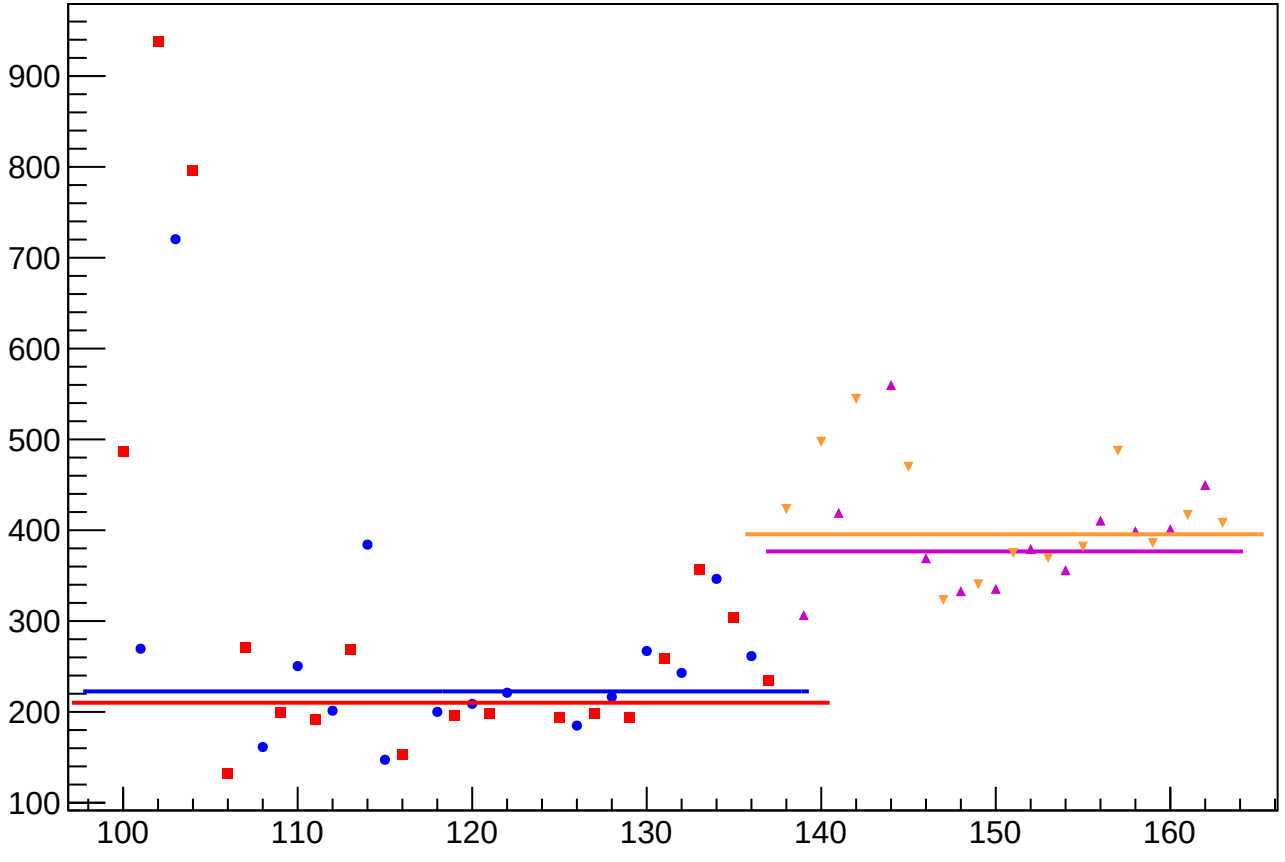
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.042+/-0.071 χ^2/NDF:32.3/27

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.020+/-0.051 χ^2/NDF: 78.2/58

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: 395.551+/-0.089 χ^2/NDF:379022.7/12

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 376.643+/-0.085 χ^2/NDF:416247.3/11

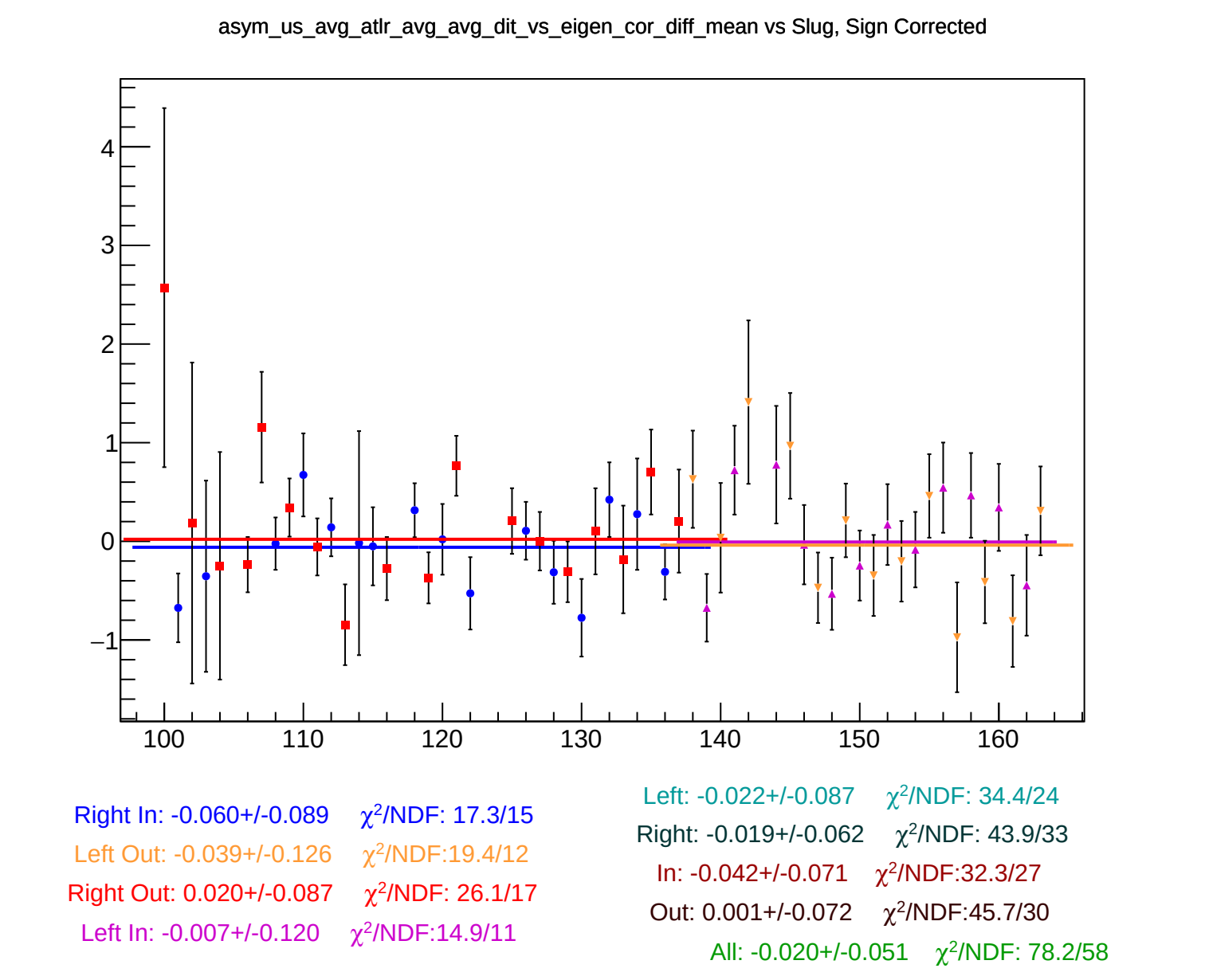
Left: 385.636+/-0.061 χ^2/NDF: 819013.0/24

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

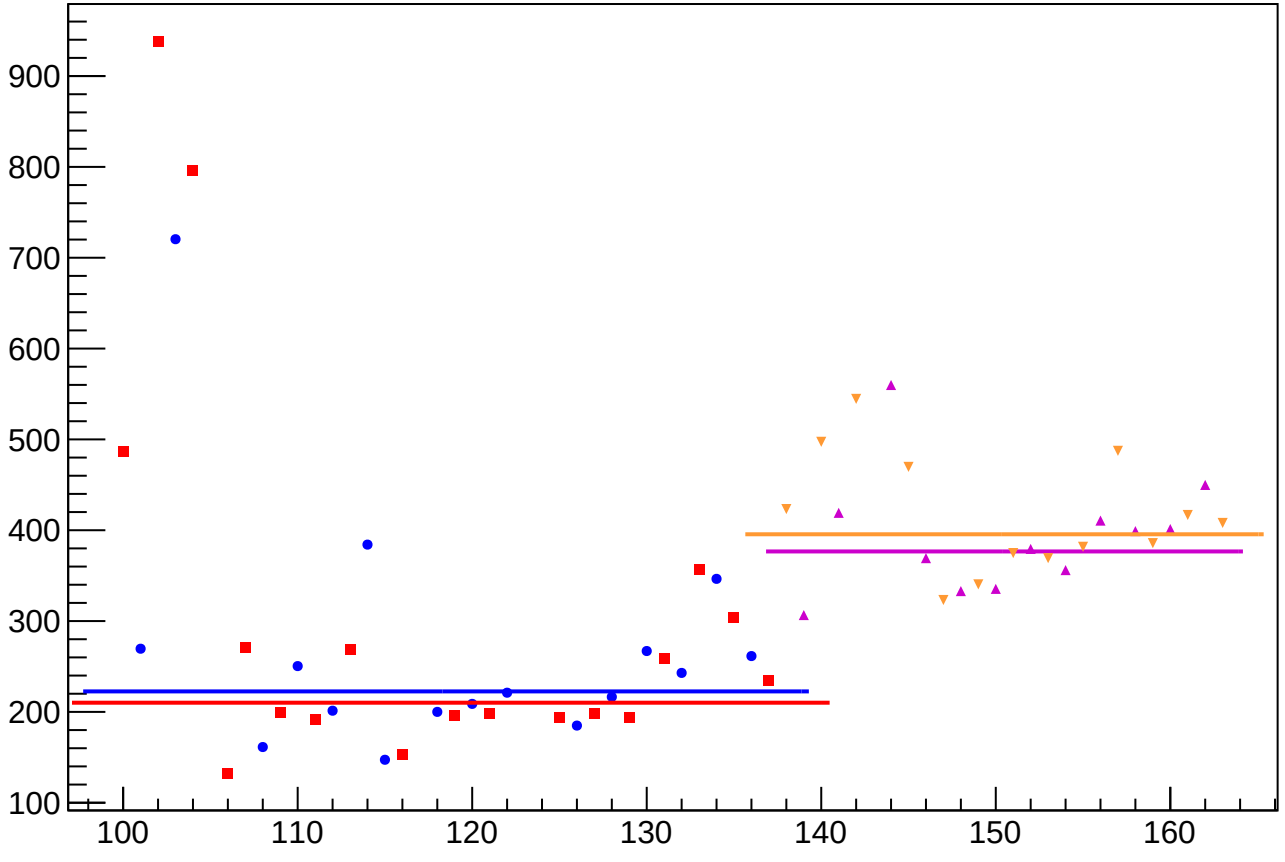
In: 277.163+/-0.050 χ^2/NDF:3575330.2/27

Out: 270.605+/-0.051 χ^2/NDF:4861945.7/30

All: 273.908+/-0.036 χ^2/NDF: 8445688.2/58


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.039+/-0.126 χ²/NDF:19.4/12
Right Out: 0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.007+/-0.120 χ²/NDF:14.9/11
Left: -0.022+/-0.087 χ²/NDF: 34.4/24
Right: -0.019+/-0.062 χ²/NDF: 43.9/33
In: -0.042+/-0.071 χ²/NDF:32.3/27
Out: 0.001+/-0.072 χ²/NDF:45.7/30
All: -0.020+/-0.051 χ²/NDF: 78.2/58

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: 395.551+/-0.089 χ^2/NDF:379022.7/12

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 376.643+/-0.085 χ^2/NDF:416247.3/11

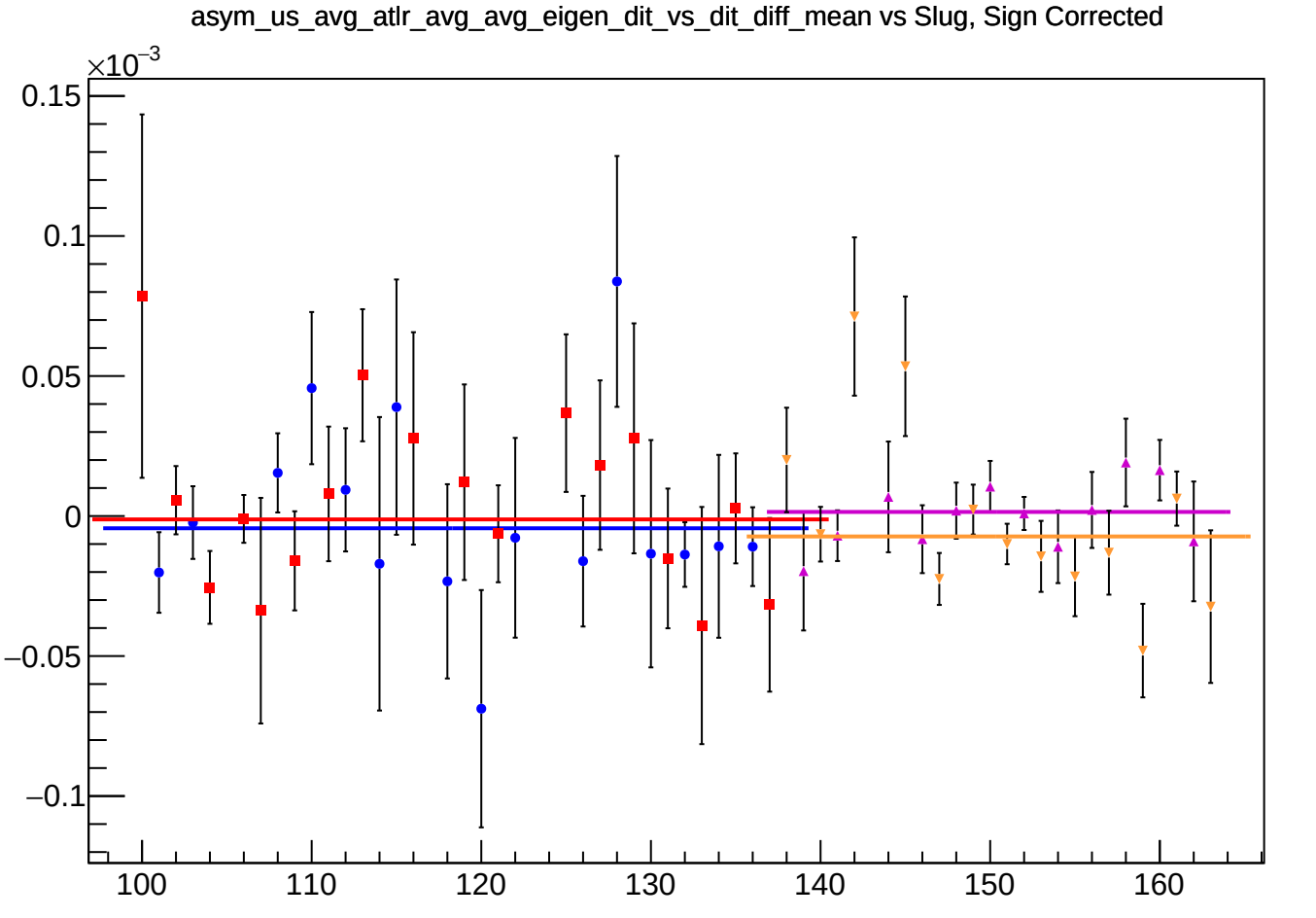
Left: 385.636+/-0.061 χ^2/NDF: 819013.0/24

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 277.163+/-0.050 χ^2/NDF:3575330.2/27

Out: 270.605+/-0.051 χ^2/NDF:4861945.7/30

All: 273.908+/-0.036 χ^2/NDF: 8445688.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.0/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/11

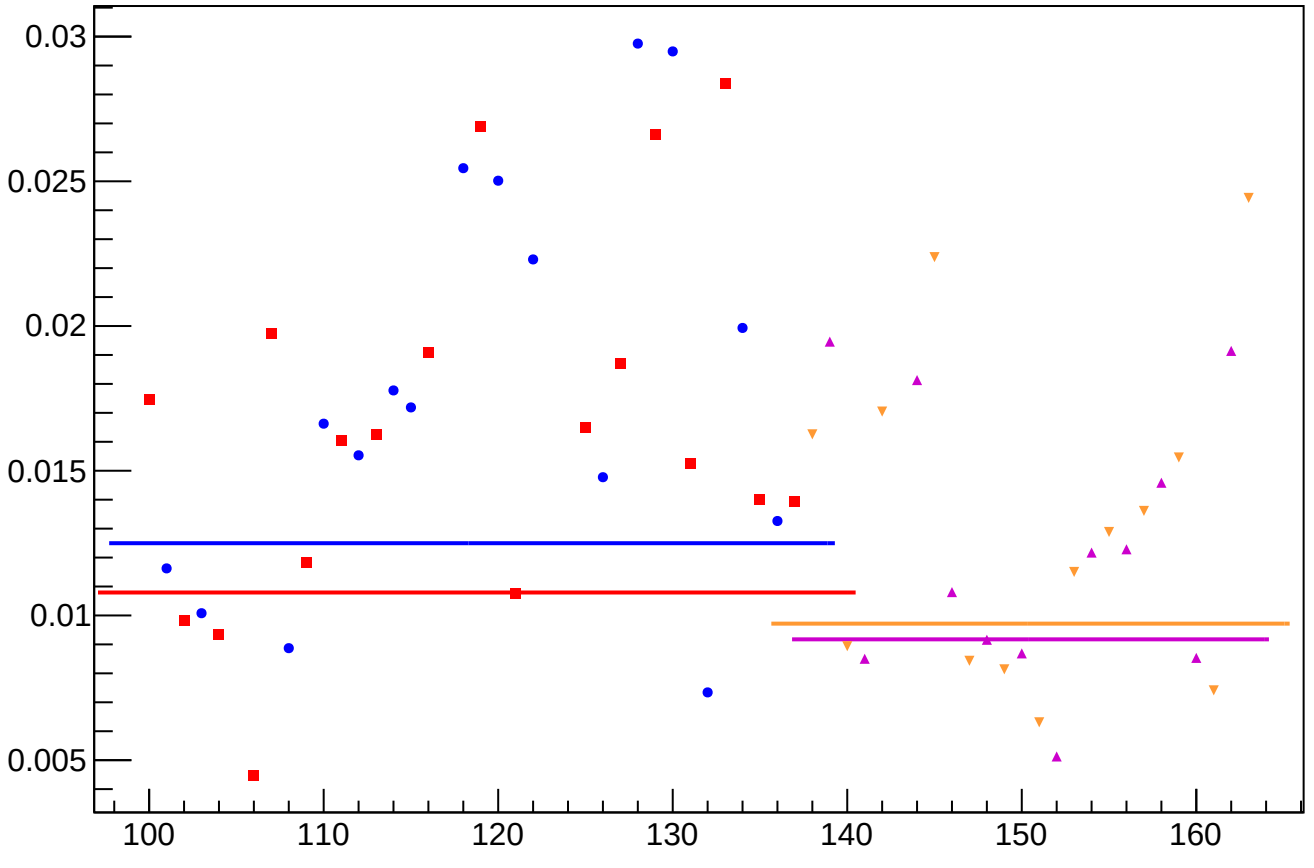
Left: -0.000+/-0.000 χ^2/NDF: 41.6/24

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: -0.000+/-0.000 χ^2/NDF:24.5/27

Out: -0.000+/-0.000 χ^2/NDF:48.4/30

All: -0.000+/-0.000 χ^2/NDF: 74.7/58



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2661915.5/12

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:2765929.0/11

Left: 0.009+/-0.000 χ^2/NDF: 5455953.3/24

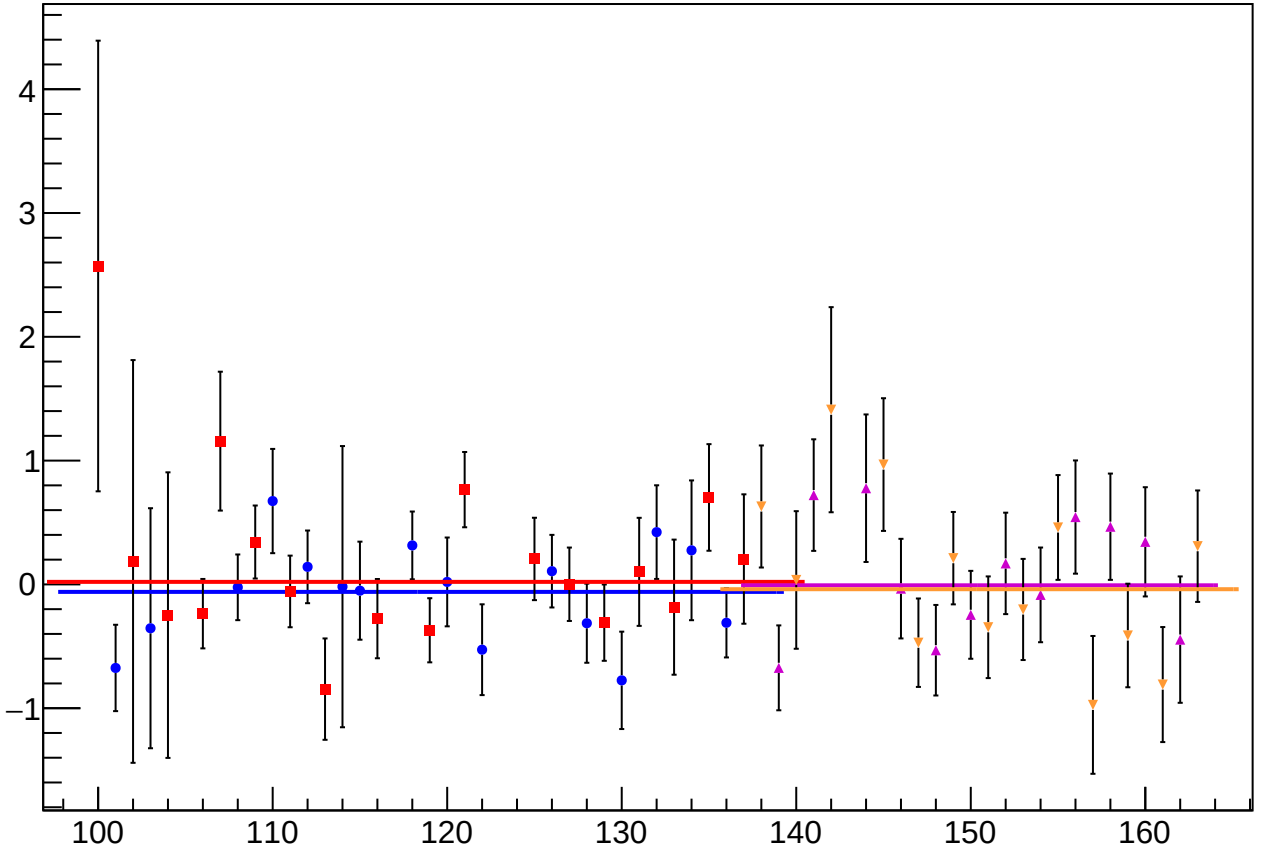
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:5497012.9/27

Out: 0.010+/-0.000 χ^2/NDF:5721988.4/30

All: 0.010+/-0.000 χ^2/NDF: 11219017.0/58

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.007+/-0.120 χ^2/NDF:14.9/11

Left: -0.022+/-0.087 χ^2/NDF: 34.4/24

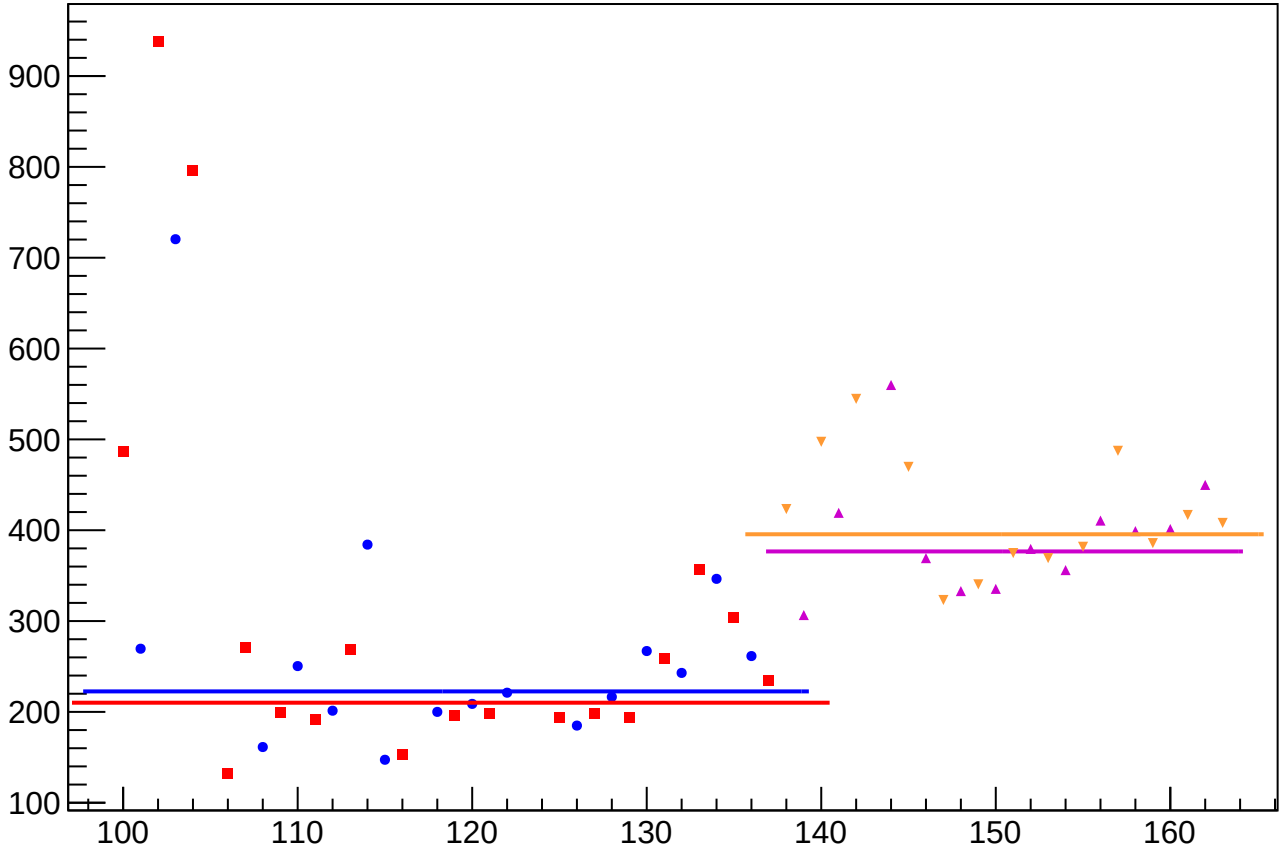
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.042+/-0.071 χ^2/NDF:32.3/27

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.020+/-0.051 χ^2/NDF: 78.2/58

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: 395.557+/-0.089 χ^2/NDF:379028.0/12

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 376.650+/-0.085 χ^2/NDF:416245.9/11

Left: 385.642+/-0.061 χ^2/NDF: 819016.5/24

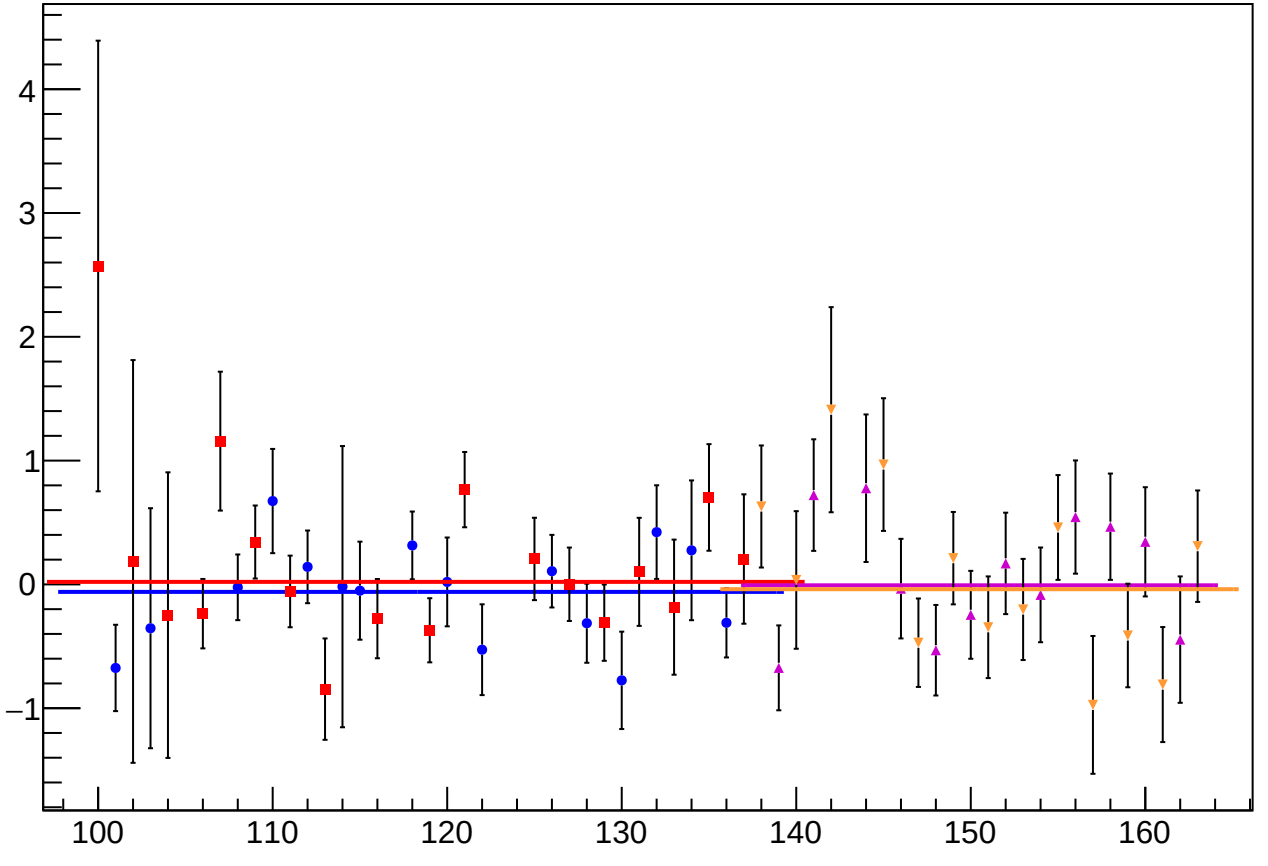
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 277.163+/-0.050 χ^2/NDF:3575500.0/27

Out: 270.603+/-0.051 χ^2/NDF:4862172.4/30

All: 273.907+/-0.036 χ^2/NDF: 8446088.1/58

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: -0.039+/-0.126 χ^2/NDF:19.4/12

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.007+/-0.120 χ^2/NDF:14.9/11

Left: -0.022+/-0.087 χ^2/NDF: 34.4/24

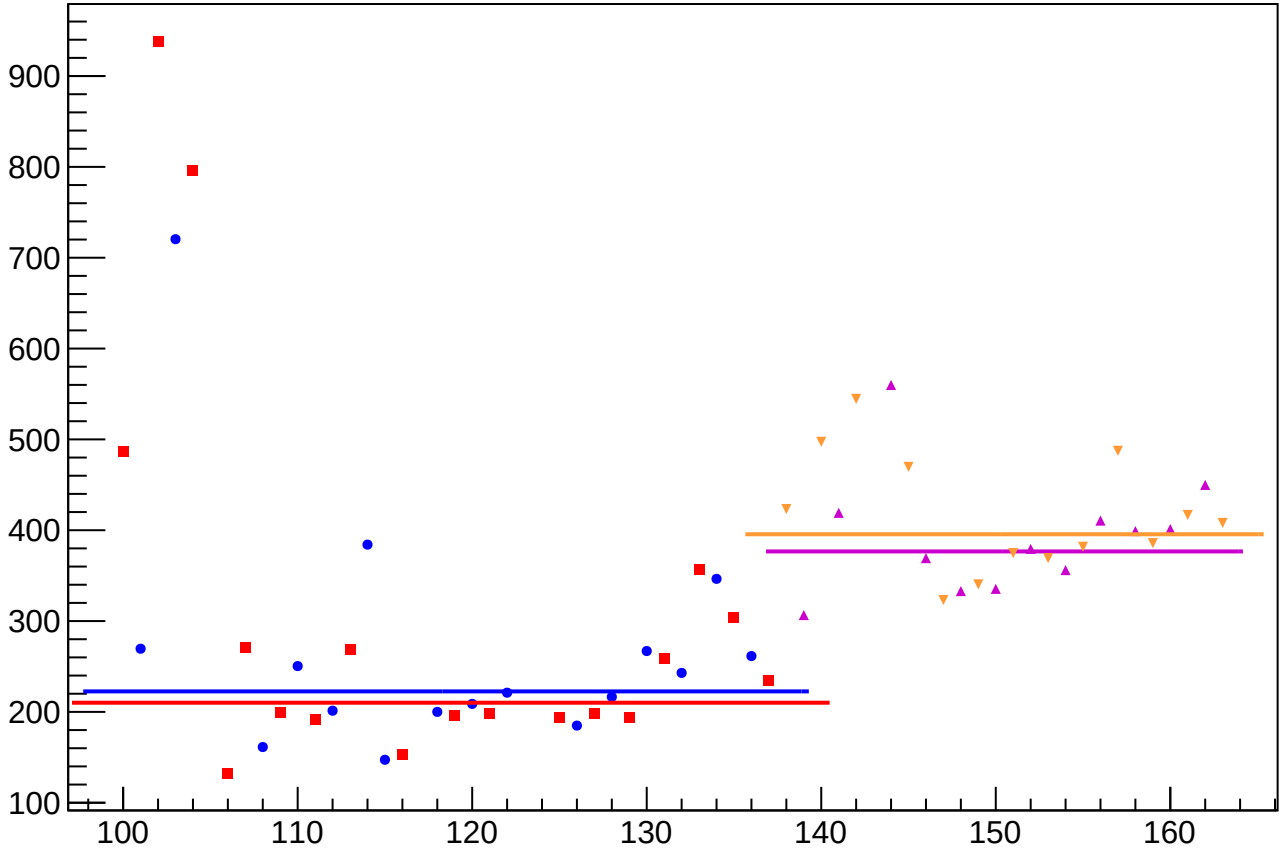
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.042+/-0.071 χ^2/NDF:32.3/27

Out: 0.001+/-0.072 χ^2/NDF:45.7/30

All: -0.020+/-0.051 χ^2/NDF: 78.2/58

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: 395.557+/-0.089 χ^2/NDF:379028.0/12

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 376.650+/-0.085 χ^2/NDF:416245.9/11

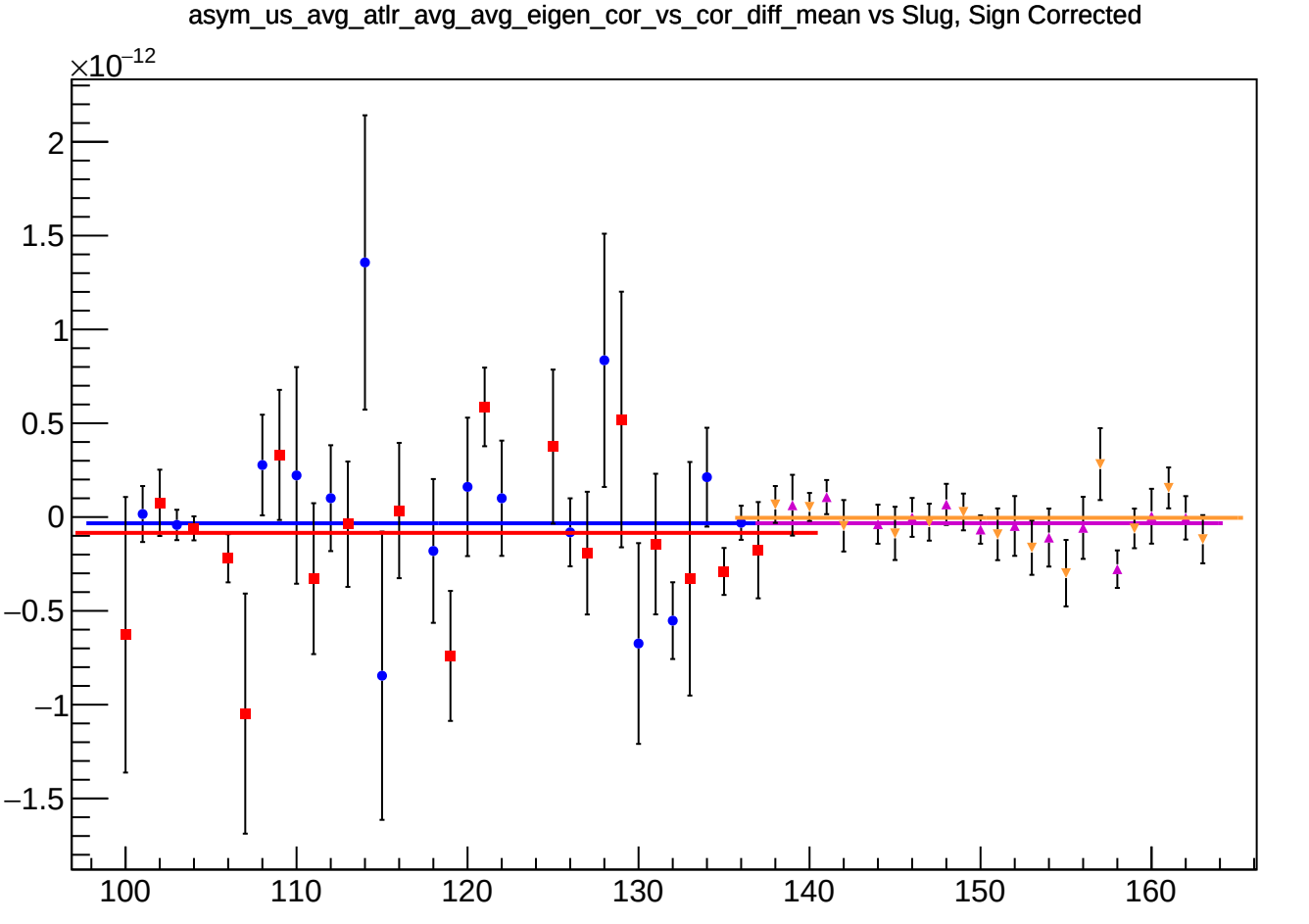
Left: 385.642+/-0.061 χ^2/NDF: 819016.5/24

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 277.163+/-0.050 χ^2/NDF:3575500.0/27

Out: 270.603+/-0.051 χ^2/NDF:4862172.4/30

All: 273.907+/-0.036 χ^2/NDF: 8446088.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/11

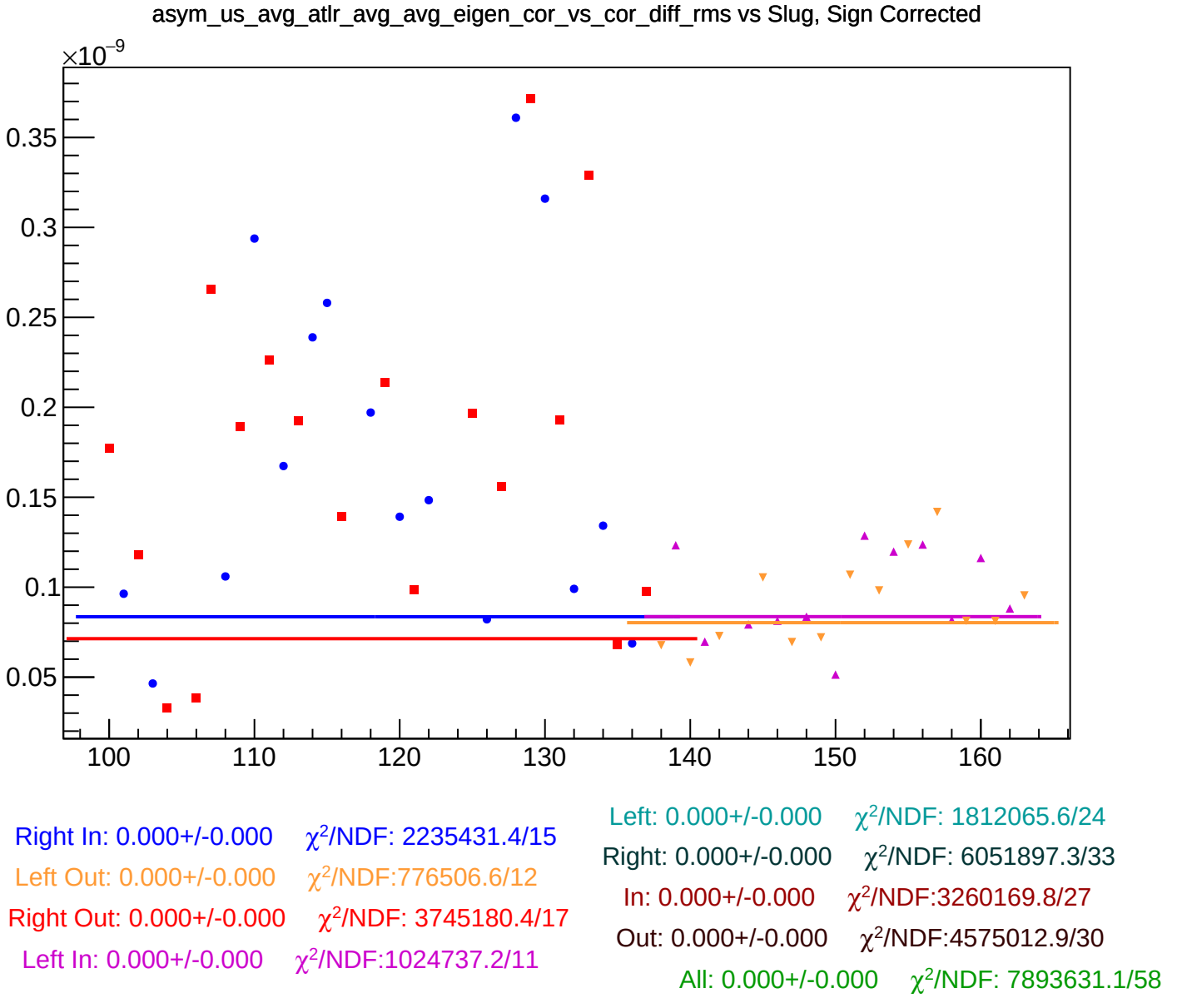
Left: -0.000+/-0.000 χ^2/NDF: 22.2/24

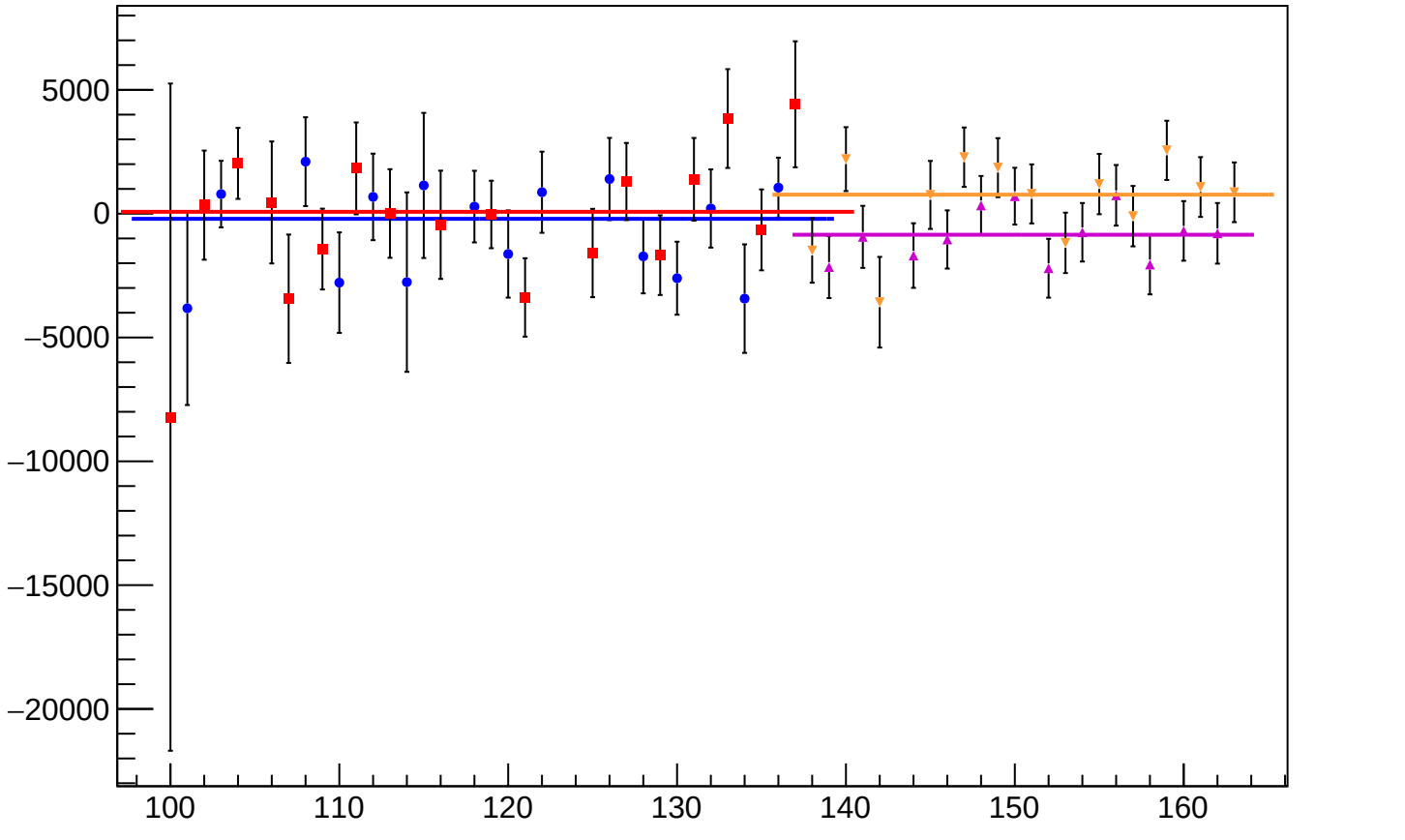
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:27.5/27

Out: -0.000+/-0.000 χ^2/NDF:39.6/30

All: -0.000+/-0.000 χ^2/NDF: 67.0/58


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:776506.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1024737.2/11
Left: 0.000+/-0.000 χ²/NDF: 1812065.6/24
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3260169.8/27
Out: 0.000+/-0.000 χ²/NDF:4575012.9/30
All: 0.000+/-0.000 χ²/NDF: 7893631.1/58



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.126+/-348.907 χ^2/NDF:17.8/12

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -850.625+/-349.413 χ^2/NDF:8.4/11

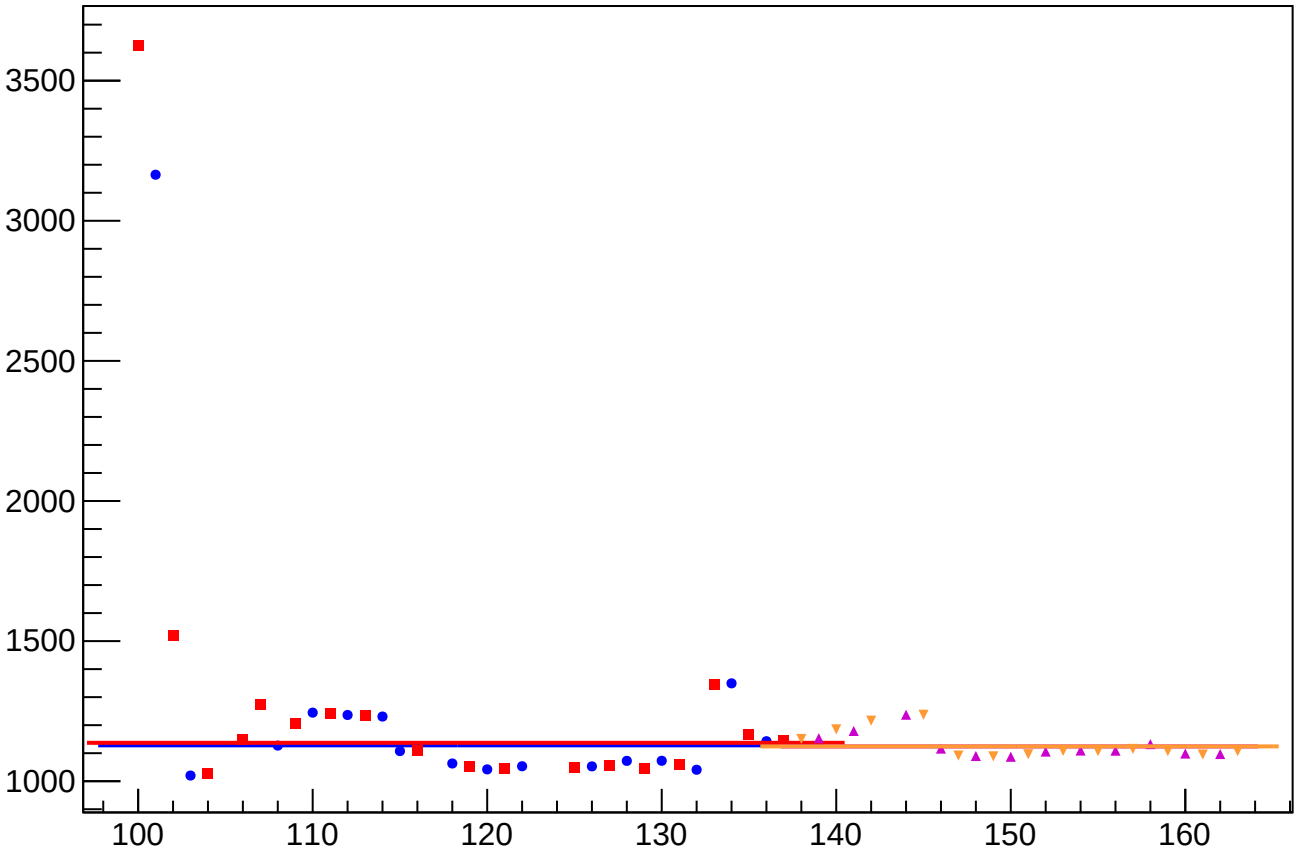
Left: -40.078+/-246.893 χ^2/NDF: 36.9/24

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -594.582+/-270.960 χ^2/NDF:24.5/27

Out: 493.781+/-271.126 χ^2/NDF:40.0/30

All: -50.734+/-191.656 χ^2/NDF: 72.5/58



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1124.269+/-0.247 χ^2/NDF:30952.1/12

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1124.055+/-0.247 χ^2/NDF:26882.4/11

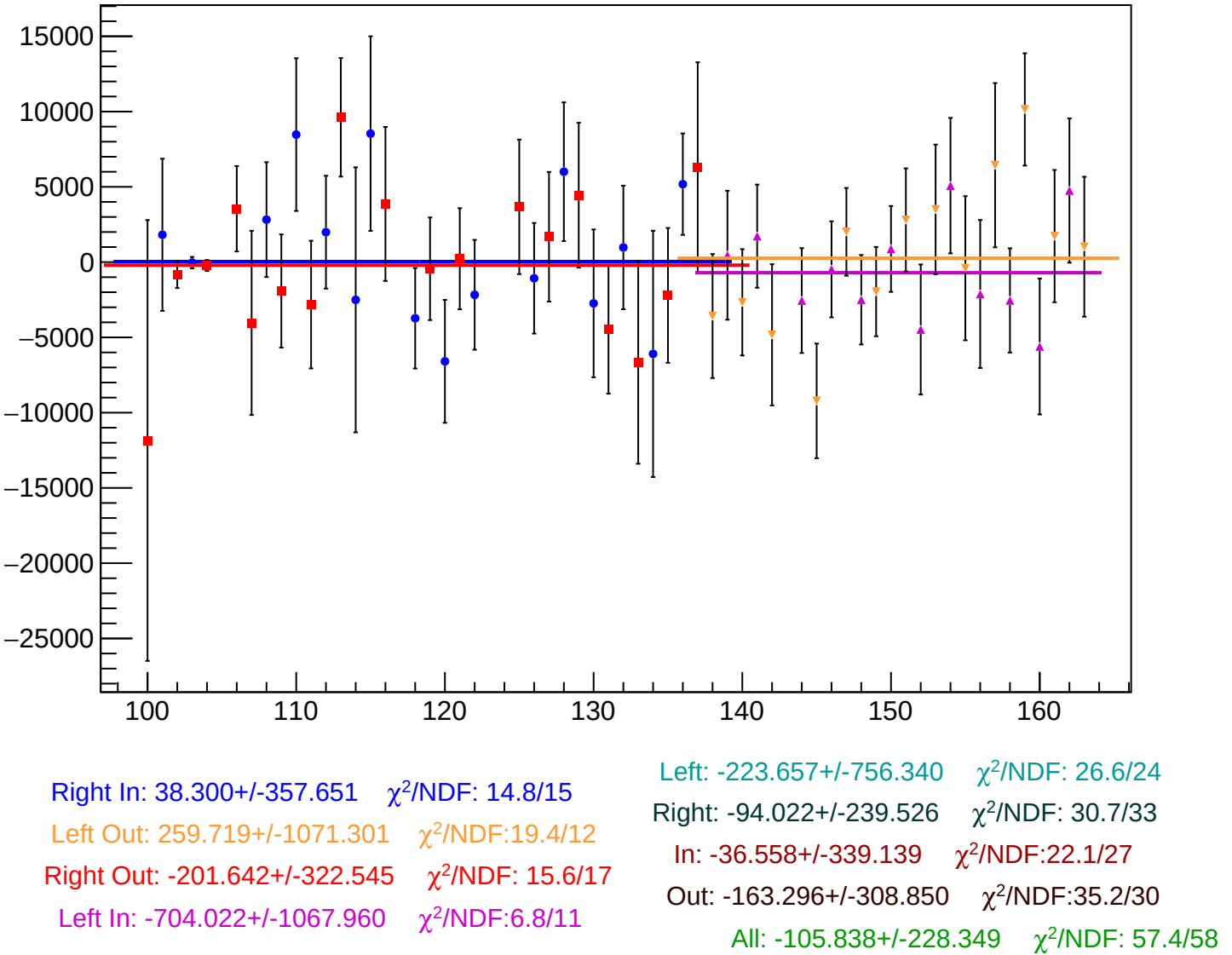
Left: 1124.162+/-0.175 χ^2/NDF: 57834.9/24

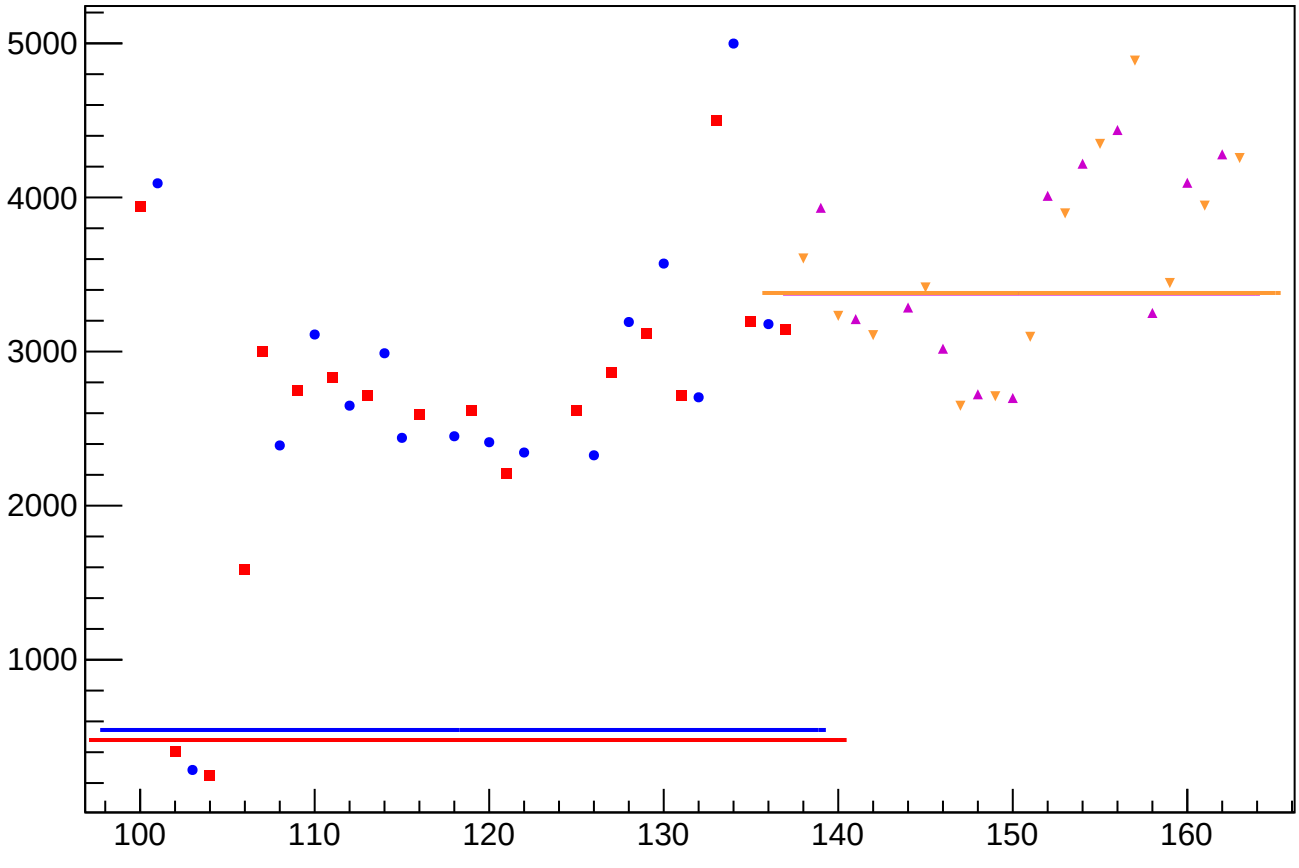
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1125.630+/-0.192 χ^2/NDF:648379.0/27

Out: 1129.340+/-0.192 χ^2/NDF:252102.2/30

All: 1127.485+/-0.135 χ^2/NDF: 900668.6/58


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: 259.719+/-1071.301 χ²/NDF:19.4/12
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -704.022+/-1067.960 χ²/NDF:6.8/11
Left: -223.657+/-756.340 χ²/NDF: 26.6/24
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -36.558+/-339.139 χ²/NDF:22.1/27
Out: -163.296+/-308.850 χ²/NDF:35.2/30
All: -105.838+/-228.349 χ²/NDF: 57.4/58



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3380.126+/-0.758 χ^2/NDF:626615.6/12

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3376.413+/-0.755 χ^2/NDF:605514.2/11

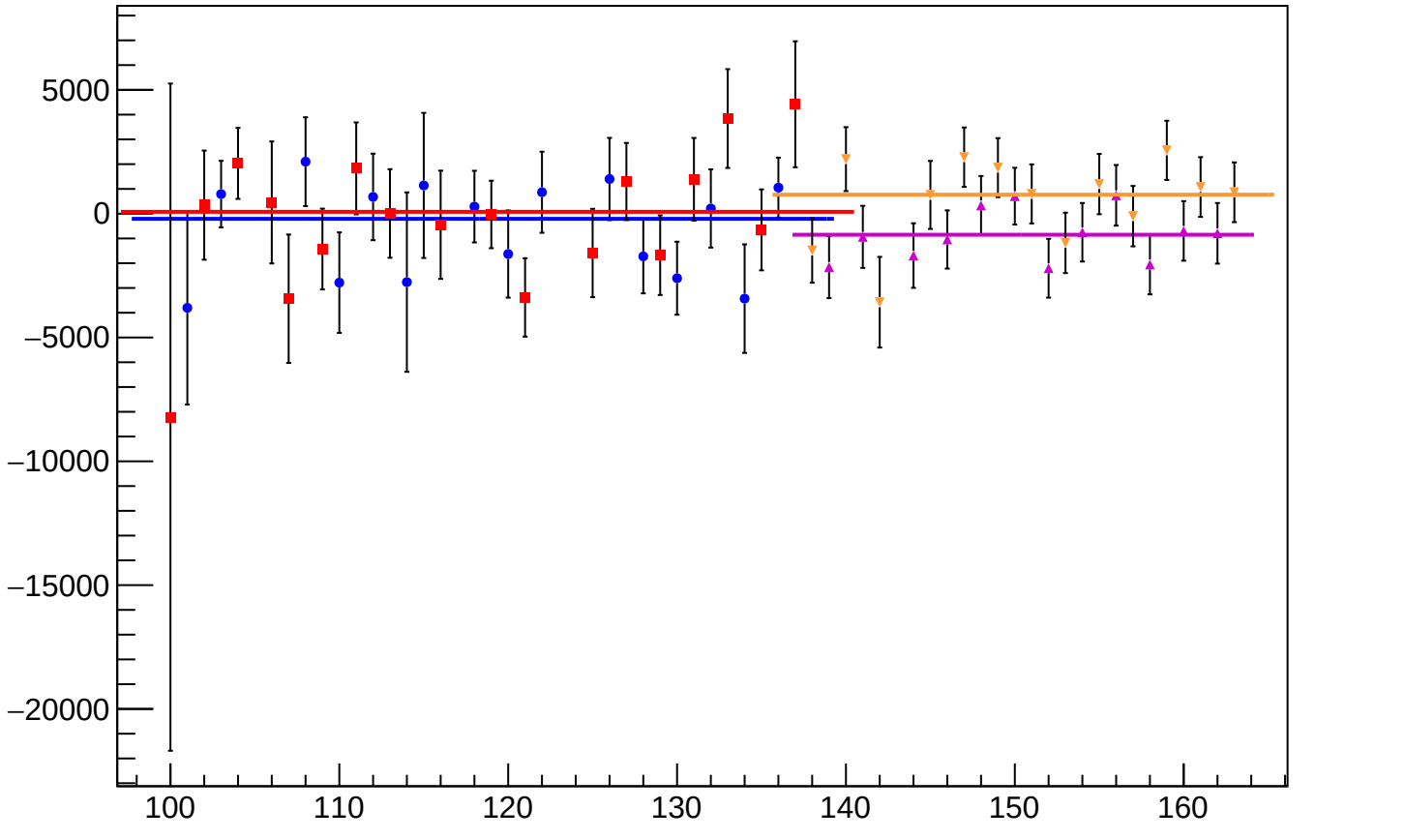
Left: 3378.264+/-0.535 χ^2/NDF: 1232141.9/24

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 829.931+/-0.240 χ^2/NDF:22934855.2/27

Out: 720.355+/-0.218 χ^2/NDF:23260197.4/30

All: 770.032+/-0.161 χ^2/NDF: 46309183.8/58



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 768.161+/-348.907 χ^2/NDF:17.8/12

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -850.651+/-349.413 χ^2/NDF:8.4/11

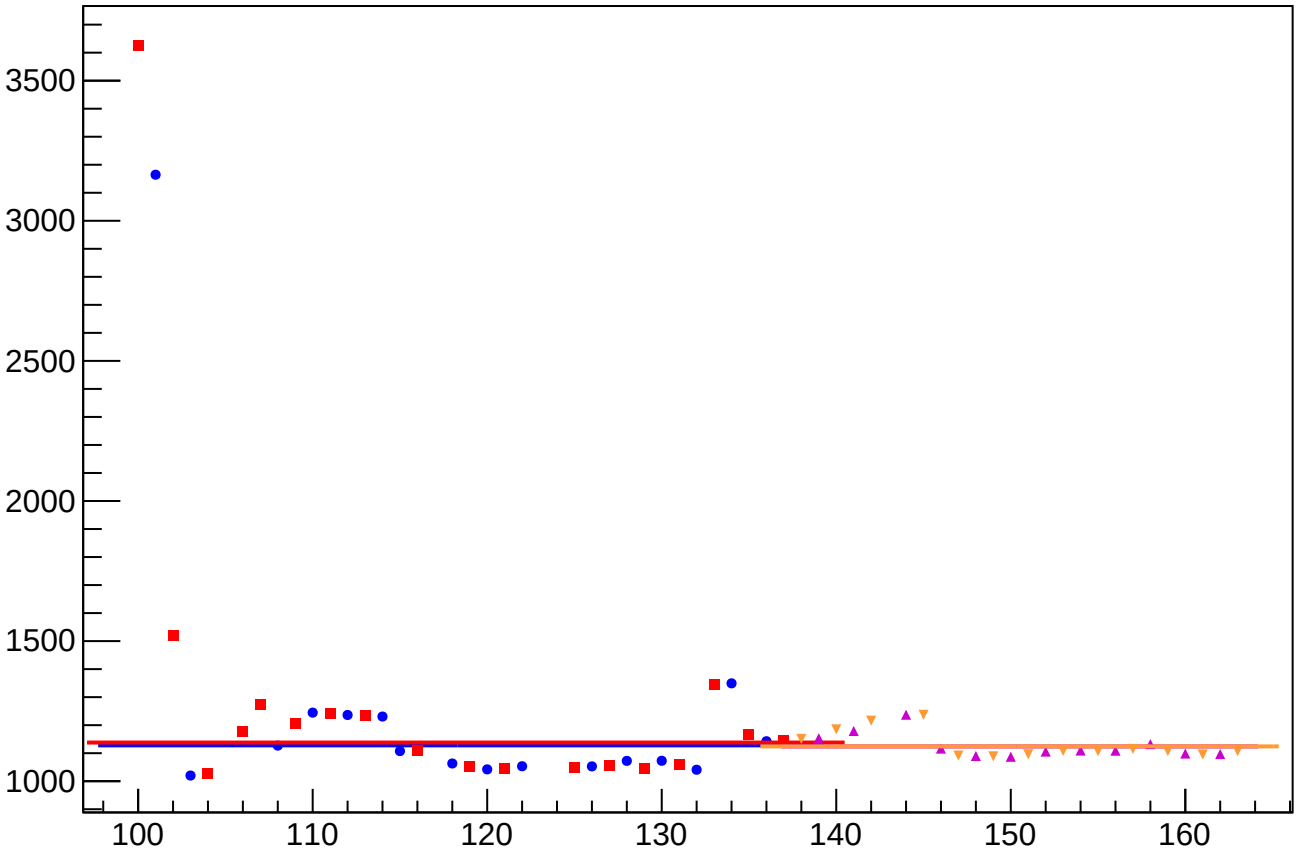
Left: -40.074+/-246.893 χ^2/NDF: 36.9/24

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -594.507+/-270.960 χ^2/NDF:24.5/27

Out: 493.859+/-271.126 χ^2/NDF:40.0/30

All: -50.657+/-191.656 χ^2/NDF: 72.5/58



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1124.269+/-0.247 χ^2/NDF:30952.1/12

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1124.055+/-0.247 χ^2/NDF:26882.4/11

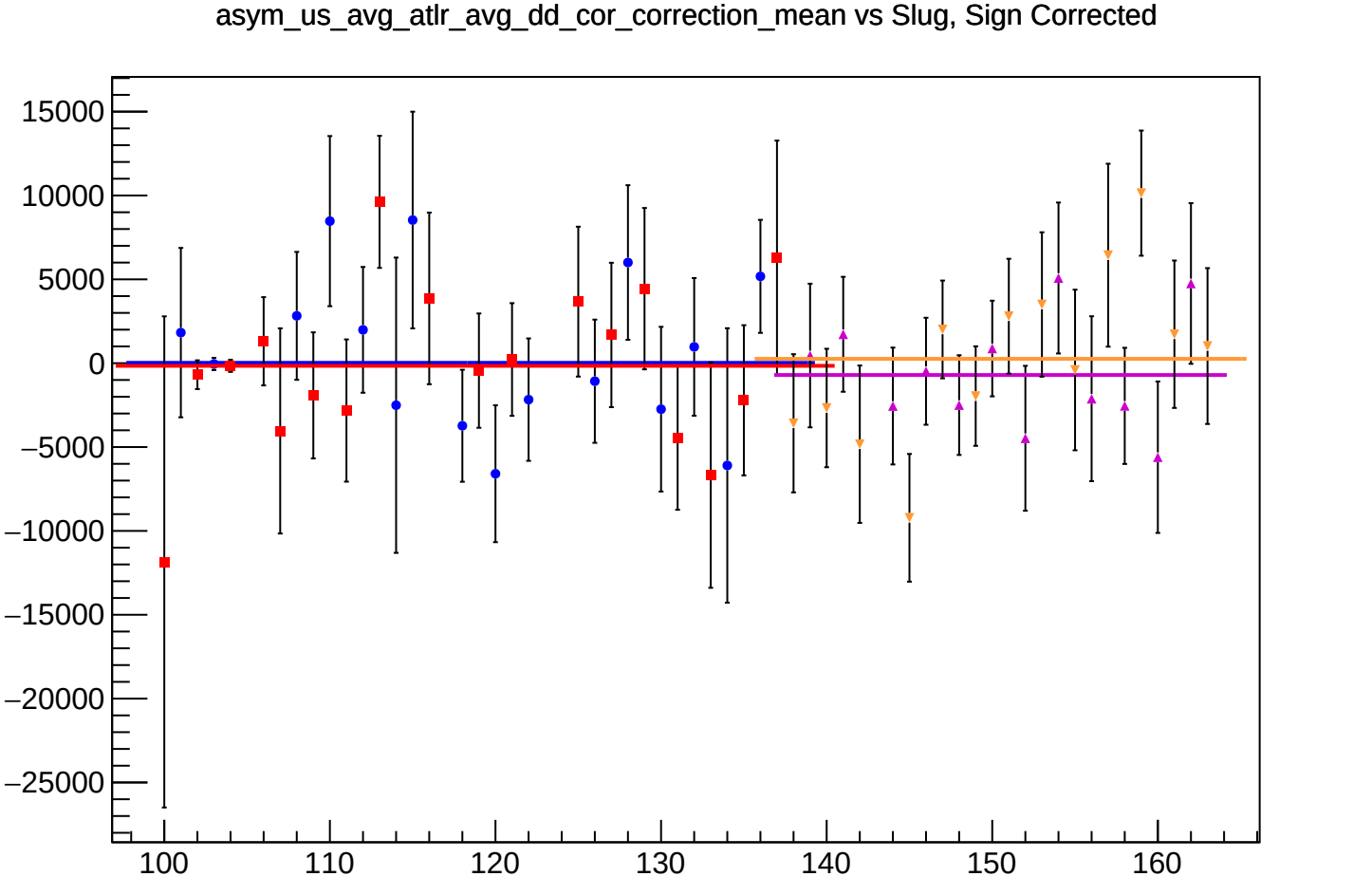
Left: 1124.162+/-0.175 χ^2/NDF: 57834.9/24

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1125.630+/-0.192 χ^2/NDF:648380.1/27

Out: 1129.712+/-0.192 χ^2/NDF:252804.3/30

All: 1127.671+/-0.136 χ^2/NDF: 901411.3/58



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 259.744+/-1071.301 χ^2/NDF:19.4/12

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -704.029+/-1067.960 χ^2/NDF:6.8/11

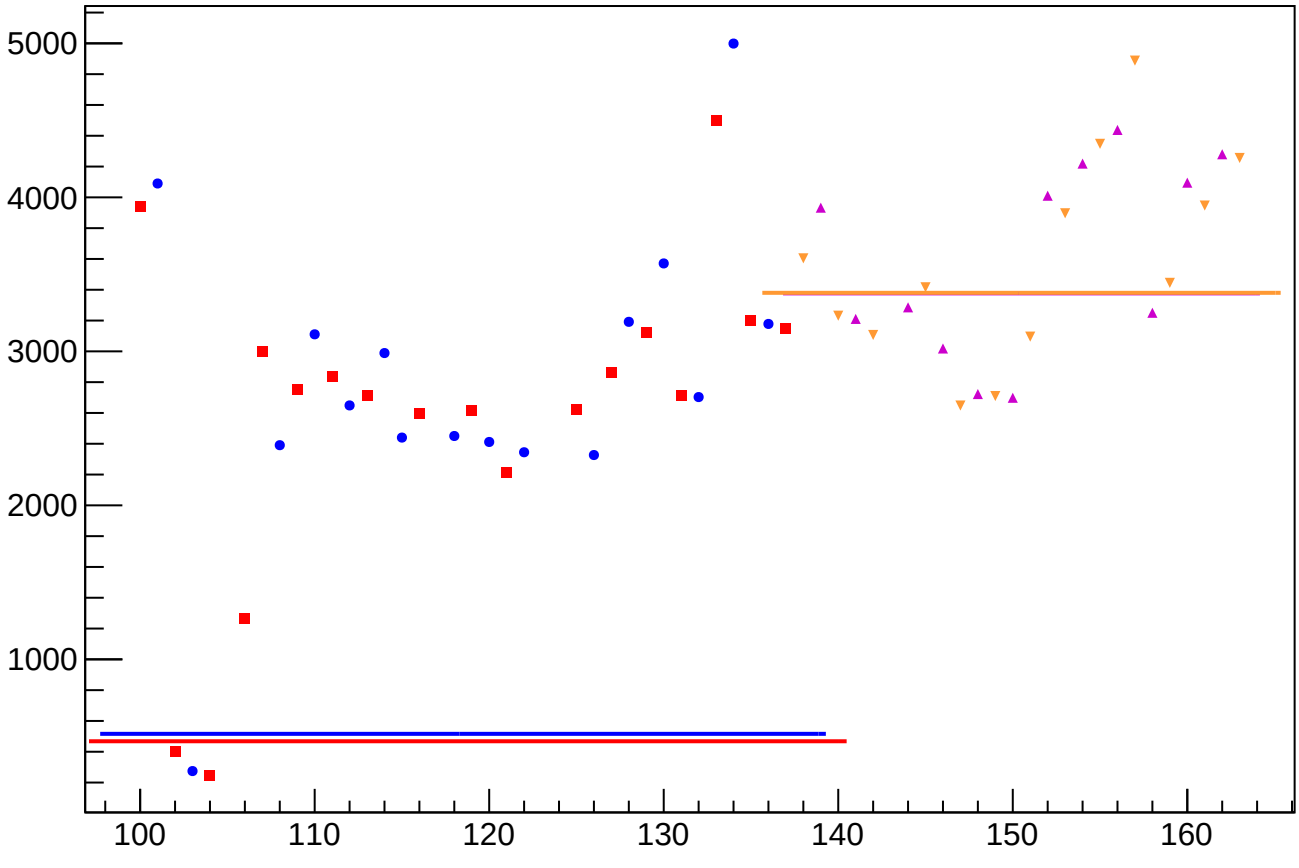
Left: -223.648+/-756.340 χ^2/NDF: 26.6/24

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -46.758+/-327.886 χ^2/NDF:22.1/27

Out: -122.670+/-304.295 χ^2/NDF:33.6/30

All: -87.543+/-223.043 χ^2/NDF: 55.7/58



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3376.412+/-0.755 χ^2/NDF:605518.5/11

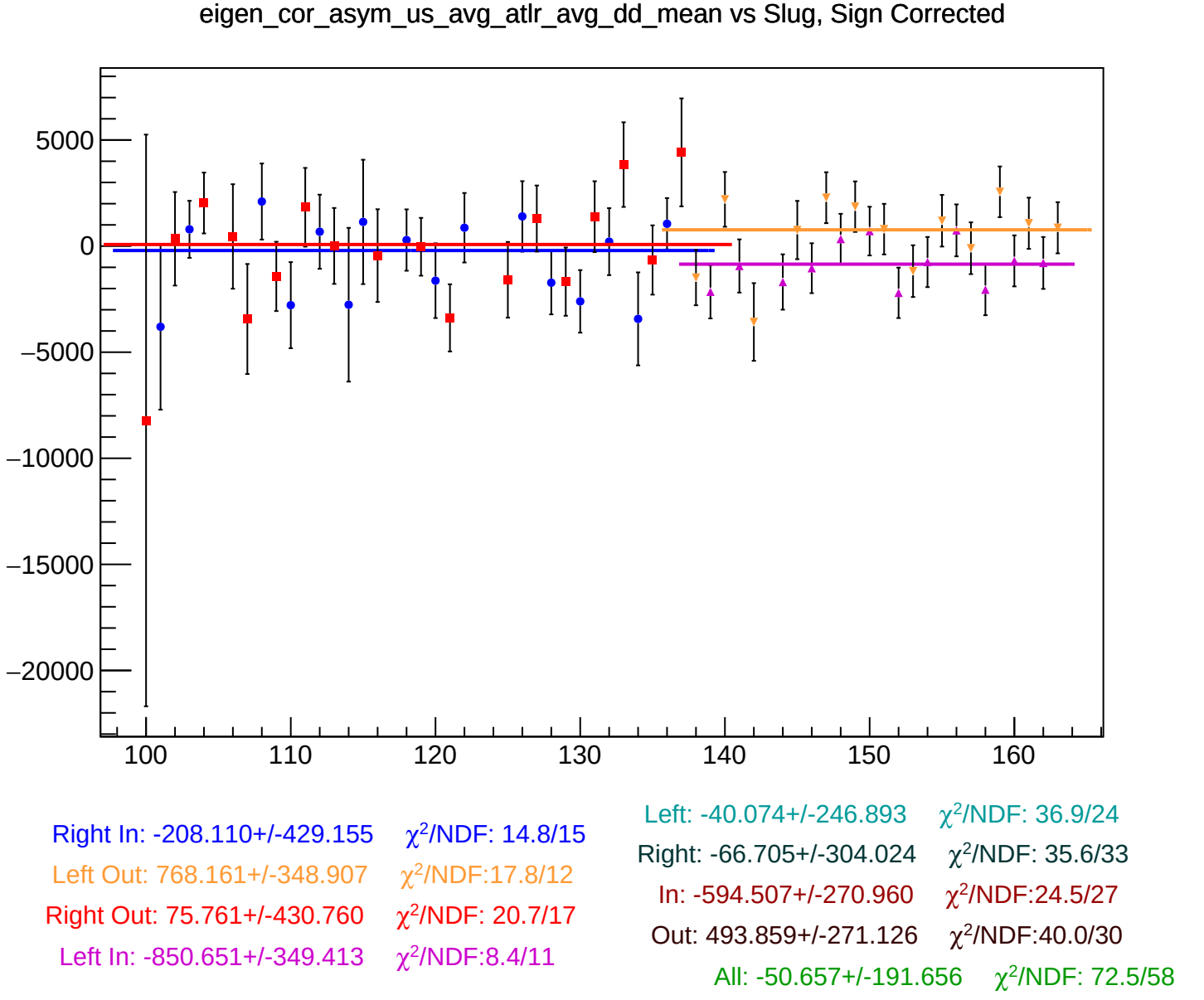
Left: 3378.263+/-0.535 χ^2/NDF: 1232150.7/24

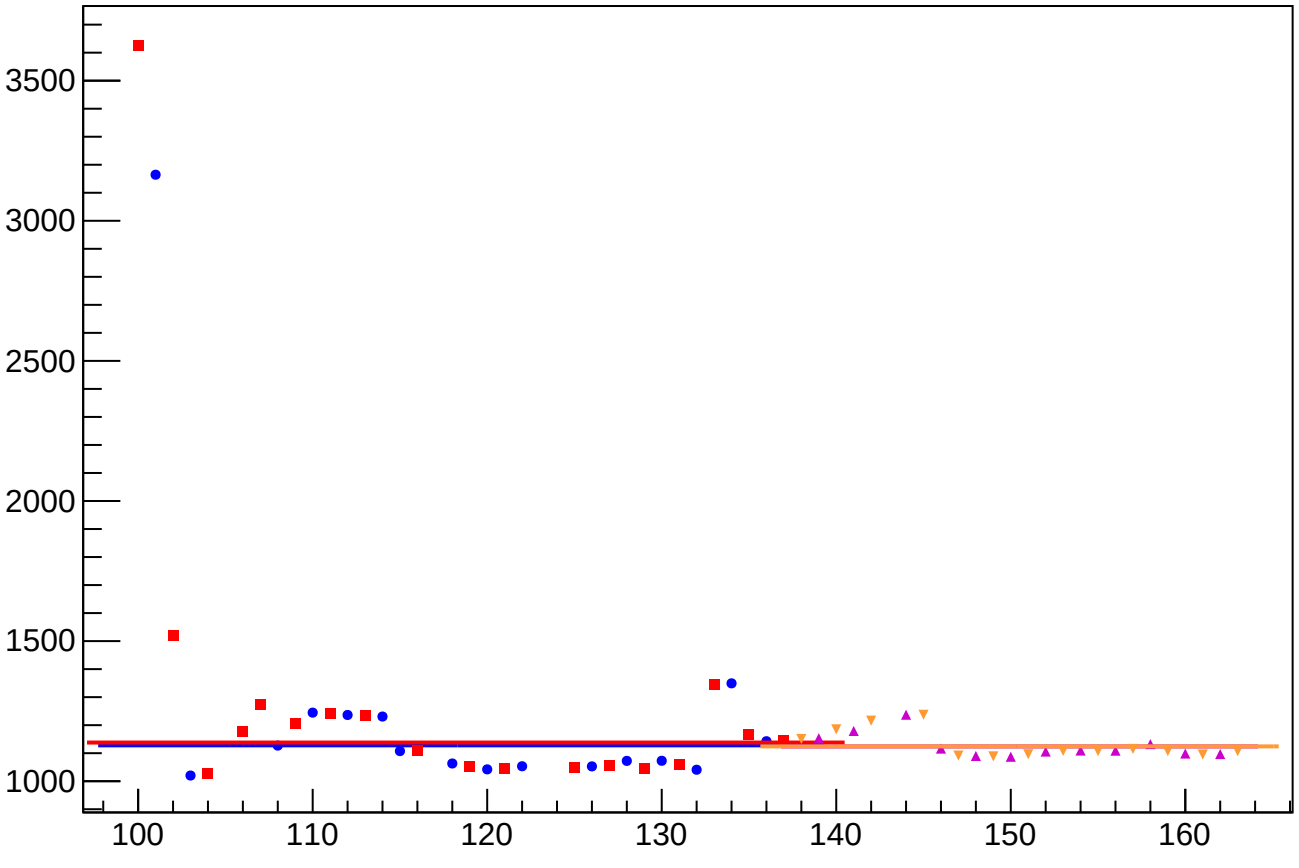
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 785.896+/-0.232 χ^2/NDF:23432612.0/27

Out: 703.006+/-0.215 χ^2/NDF:23323355.3/30

All: 741.362+/-0.158 χ^2/NDF: 46824638.9/58


eigen_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
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 768.161+/-348.907 χ²/NDF:17.8/12
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -850.651+/-349.413 χ²/NDF:8.4/11
Left: -40.074+/-246.893 χ²/NDF: 36.9/24
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -594.507+/-270.960 χ²/NDF:24.5/27
Out: 493.859+/-271.126 χ²/NDF:40.0/30
All: -50.657+/-191.656 χ²/NDF: 72.5/58



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1124.269+/-0.247 χ^2/NDF:30952.1/12

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1124.055+/-0.247 χ^2/NDF:26882.4/11

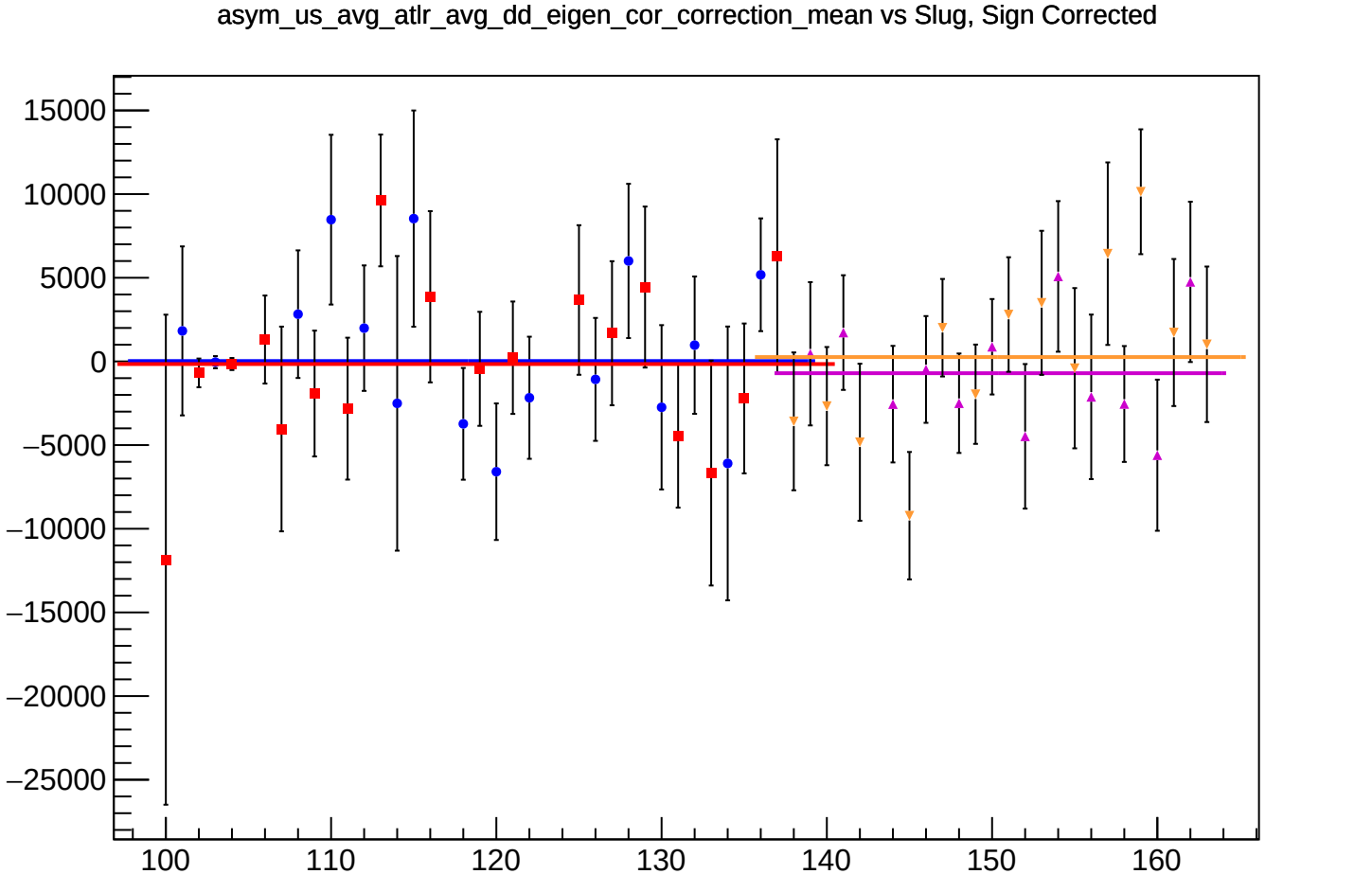
Left: 1124.162+/-0.175 χ^2/NDF: 57834.9/24

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1125.630+/-0.192 χ^2/NDF:648380.1/27

Out: 1129.712+/-0.192 χ^2/NDF:252804.3/30

All: 1127.671+/-0.136 χ^2/NDF: 901411.3/58



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: 259.744+/-1071.301 χ^2/NDF:19.4/12

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -704.029+/-1067.960 χ^2/NDF:6.8/11

Left: -223.648+/-756.340 χ^2/NDF: 26.6/24

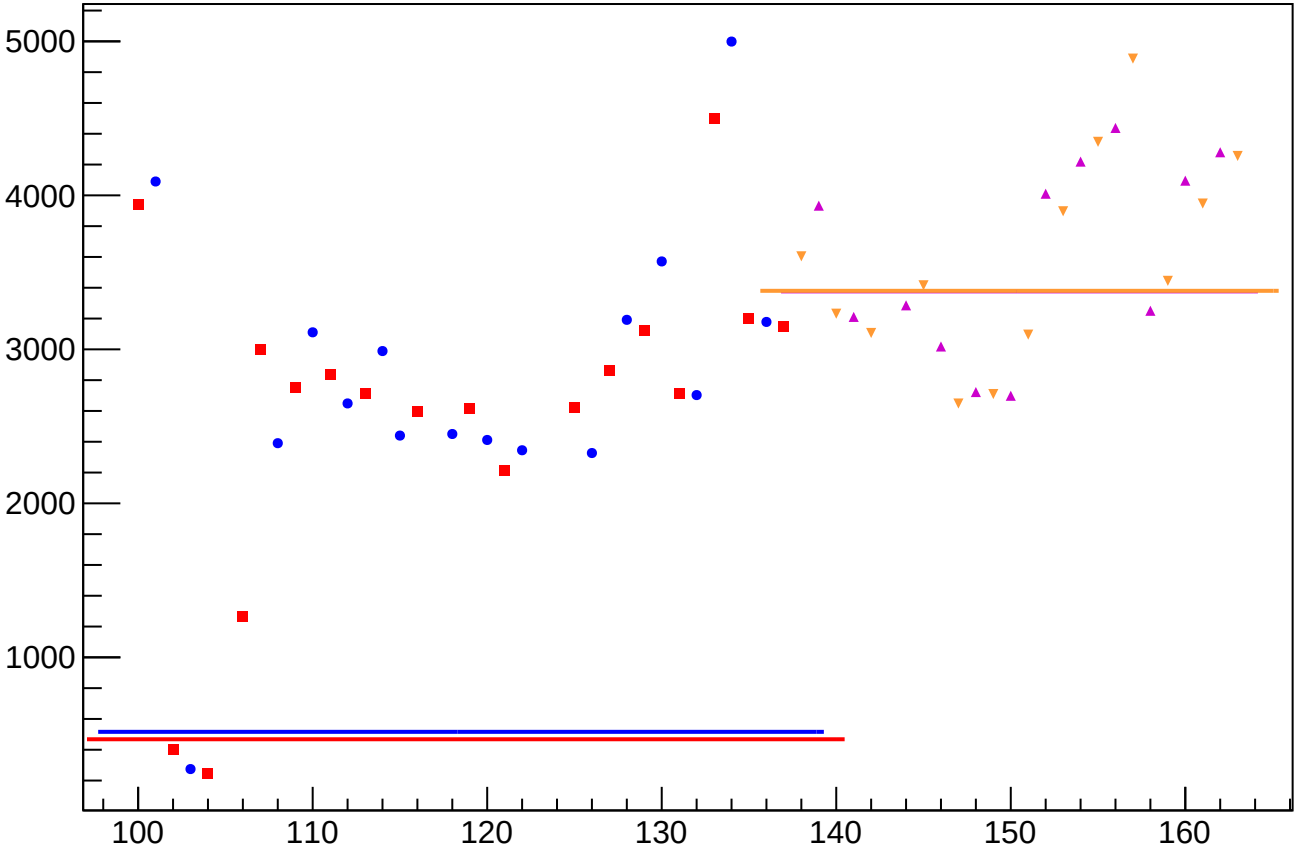
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -46.758+/-327.886 χ^2/NDF:22.1/27

Out: -122.670+/-304.295 χ^2/NDF:33.6/30

All: -87.543+/-223.043 χ^2/NDF: 55.7/58

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: 3380.125+/-0.758 χ^2/NDF:626620.2/12

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3376.412+/-0.755 χ^2/NDF:605518.5/11

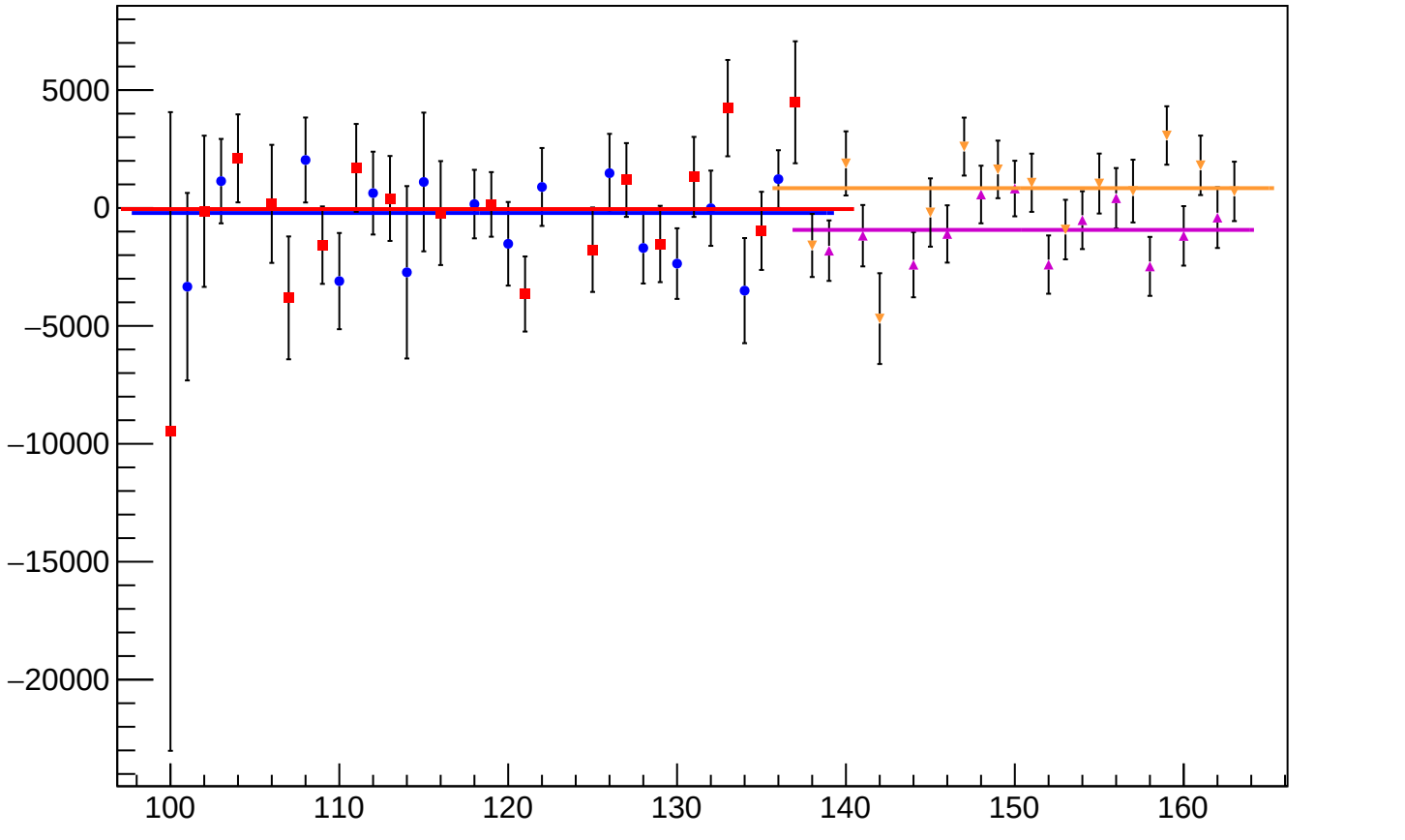
Left: 3378.263+/-0.535 χ^2/NDF: 1232150.7/24

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 785.896+/-0.232 χ^2/NDF:23432612.0/27

Out: 703.006+/-0.215 χ^2/NDF:23323355.3/30

All: 741.362+/-0.158 χ^2/NDF: 46824638.9/58



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 840.880+/-363.743 χ^2/NDF:21.0/12

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -929.700+/-362.960 χ^2/NDF:9.8/11

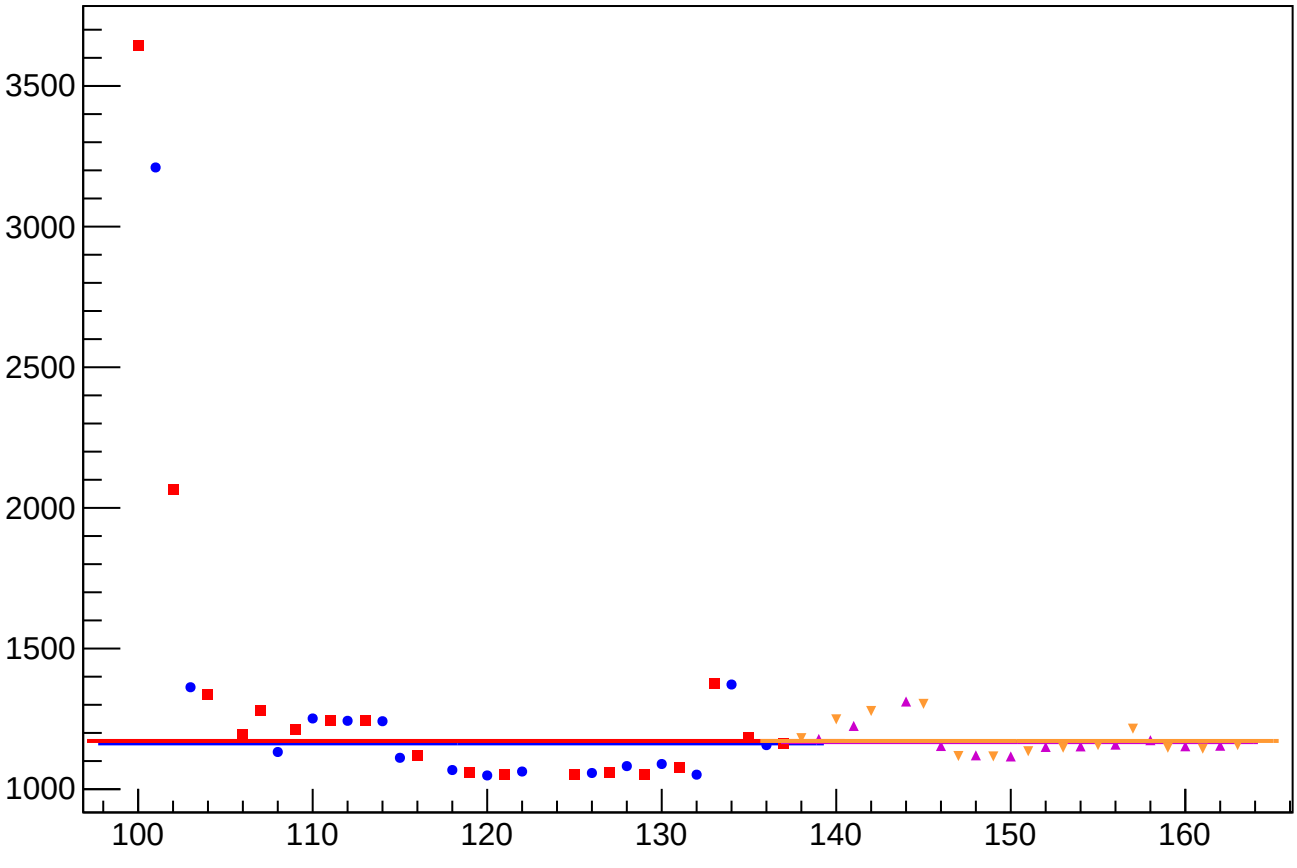
Left: -46.318+/-256.928 χ^2/NDF: 42.6/24

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -641.617+/-280.678 χ^2/NDF:25.7/27

Out: 487.960+/-282.190 χ^2/NDF:45.0/30

All: -79.862+/-199.002 χ^2/NDF: 78.7/58



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1171.478+/-0.257 χ^2/NDF:43956.5/12

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1167.307+/-0.257 χ^2/NDF:34135.4/11

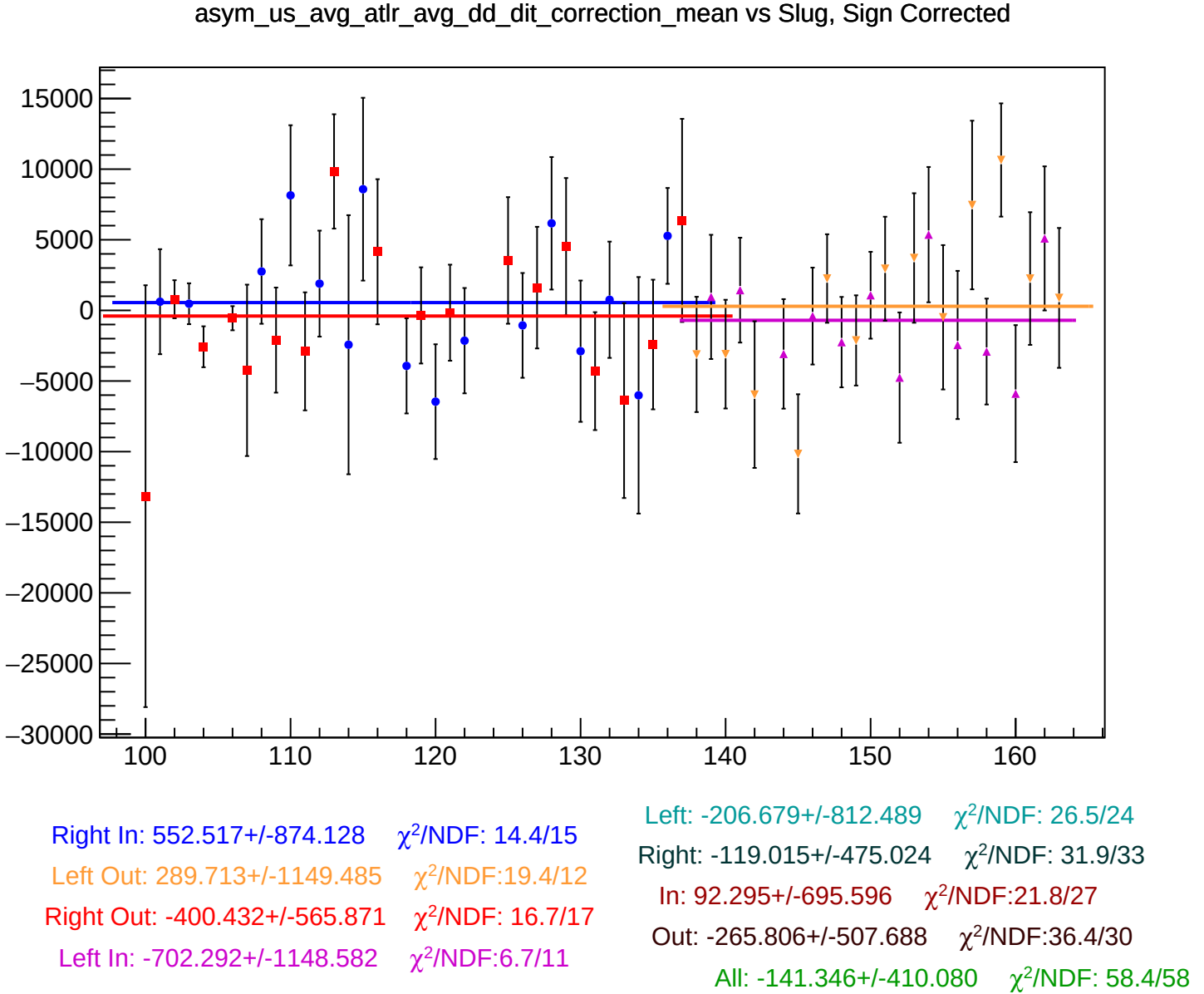
Left: 1169.388+/-0.182 χ^2/NDF: 78223.6/24

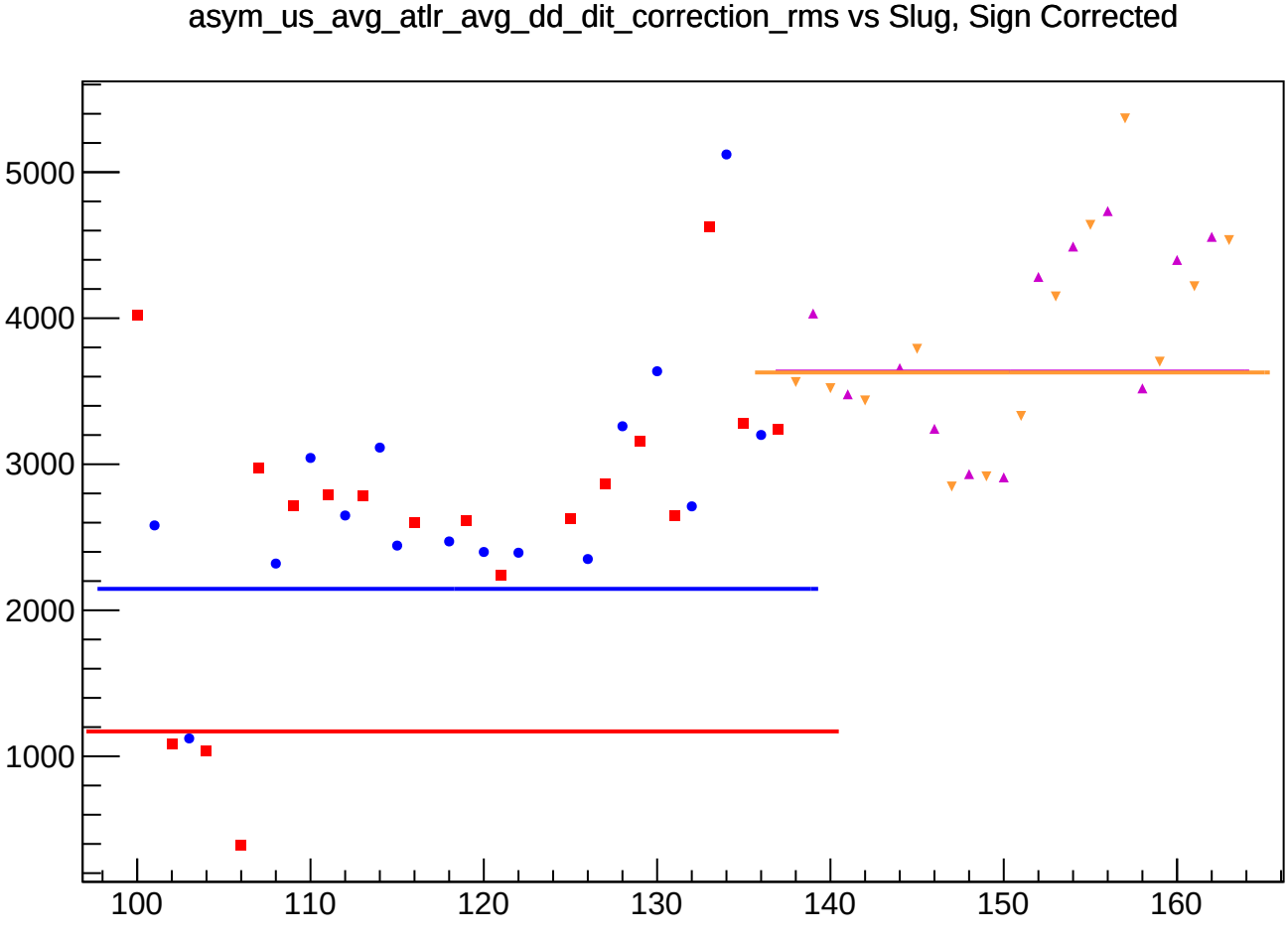
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1165.516+/-0.198 χ^2/NDF:669610.0/27

Out: 1171.455+/-0.200 χ^2/NDF:375597.3/30

All: 1168.470+/-0.141 χ^2/NDF: 1045652.7/58


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: 289.713+/-1149.485 χ²/NDF:19.4/12
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -702.292+/-1148.582 χ²/NDF:6.7/11
Left: -206.679+/-812.489 χ²/NDF: 26.5/24
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: 92.295+/-695.596 χ²/NDF:21.8/27
Out: -265.806+/-507.688 χ²/NDF:36.4/30
All: -141.346+/-410.080 χ²/NDF: 58.4/58



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3628.464+/-0.813 χ^2/NDF:617547.2/12

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3634.597+/-0.812 χ^2/NDF:561340.7/11

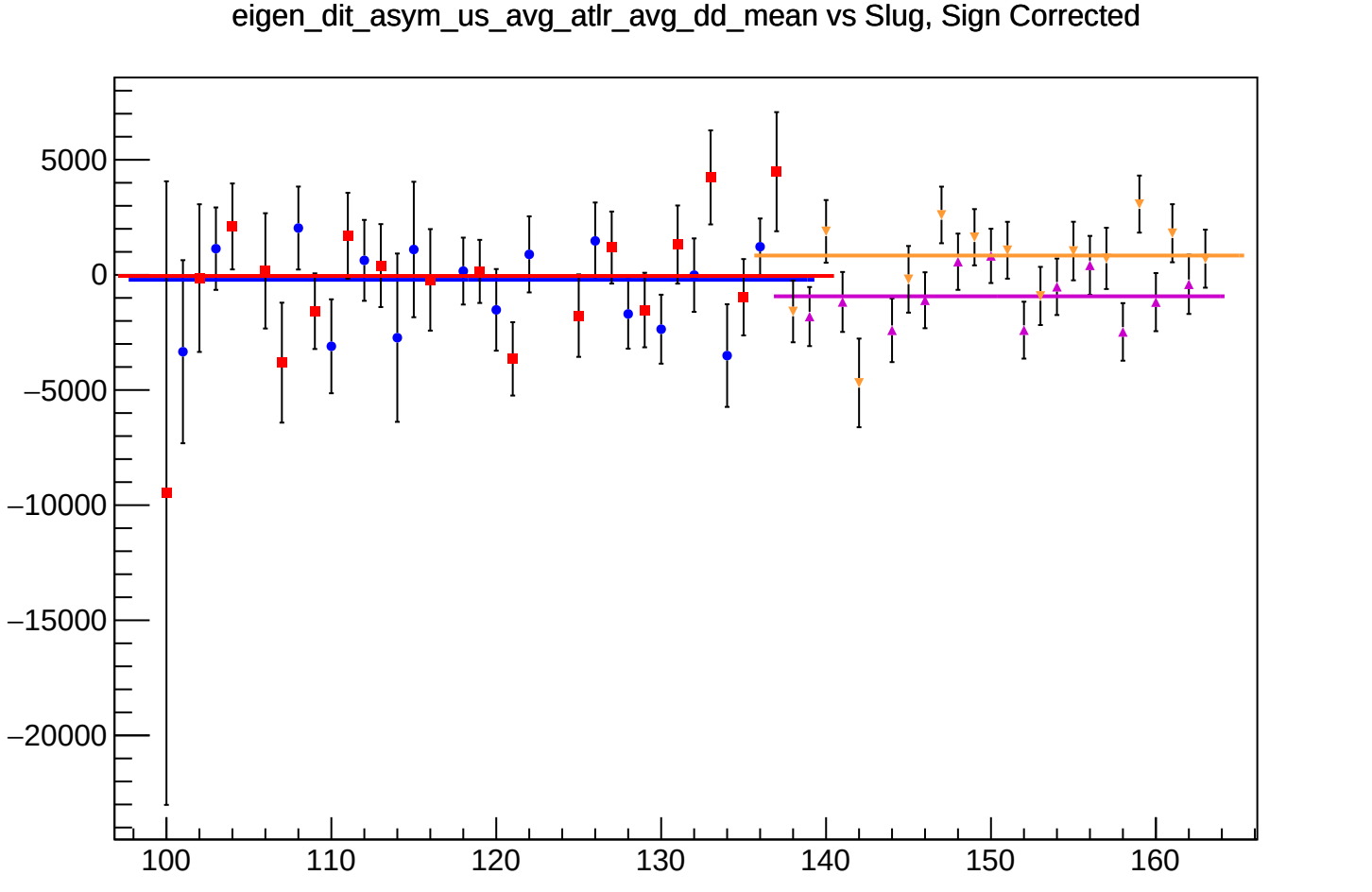
Left: 3631.533+/-0.575 χ^2/NDF: 1178916.4/24

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2692.358+/-0.492 χ^2/NDF:4661582.0/27

Out: 1650.031+/-0.359 χ^2/NDF:13795535.4/30

All: 2012.297+/-0.290 χ^2/NDF: 21387122.8/5



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 840.882+/-363.743 χ^2/NDF:21.0/12

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -929.698+/-362.960 χ^2/NDF:9.8/11

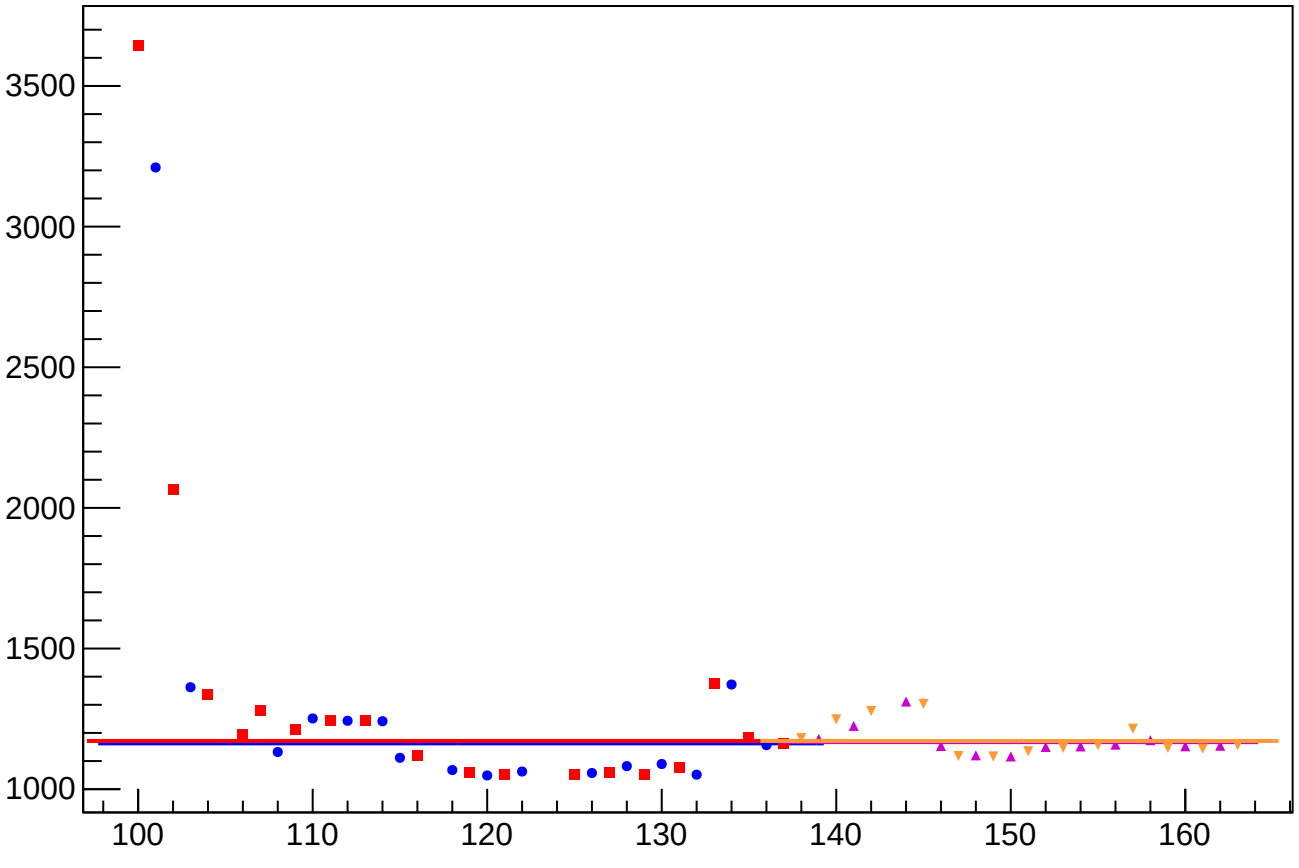
Left: -46.316+/-256.928 χ^2/NDF: 42.6/24

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -641.616+/-280.678 χ^2/NDF:25.7/27

Out: 487.960+/-282.190 χ^2/NDF:45.0/30

All: -79.862+/-199.002 χ^2/NDF: 78.7/58



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1171.479+/-0.257 χ^2/NDF:43956.8/12

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1167.308+/-0.257 χ^2/NDF:34135.5/11

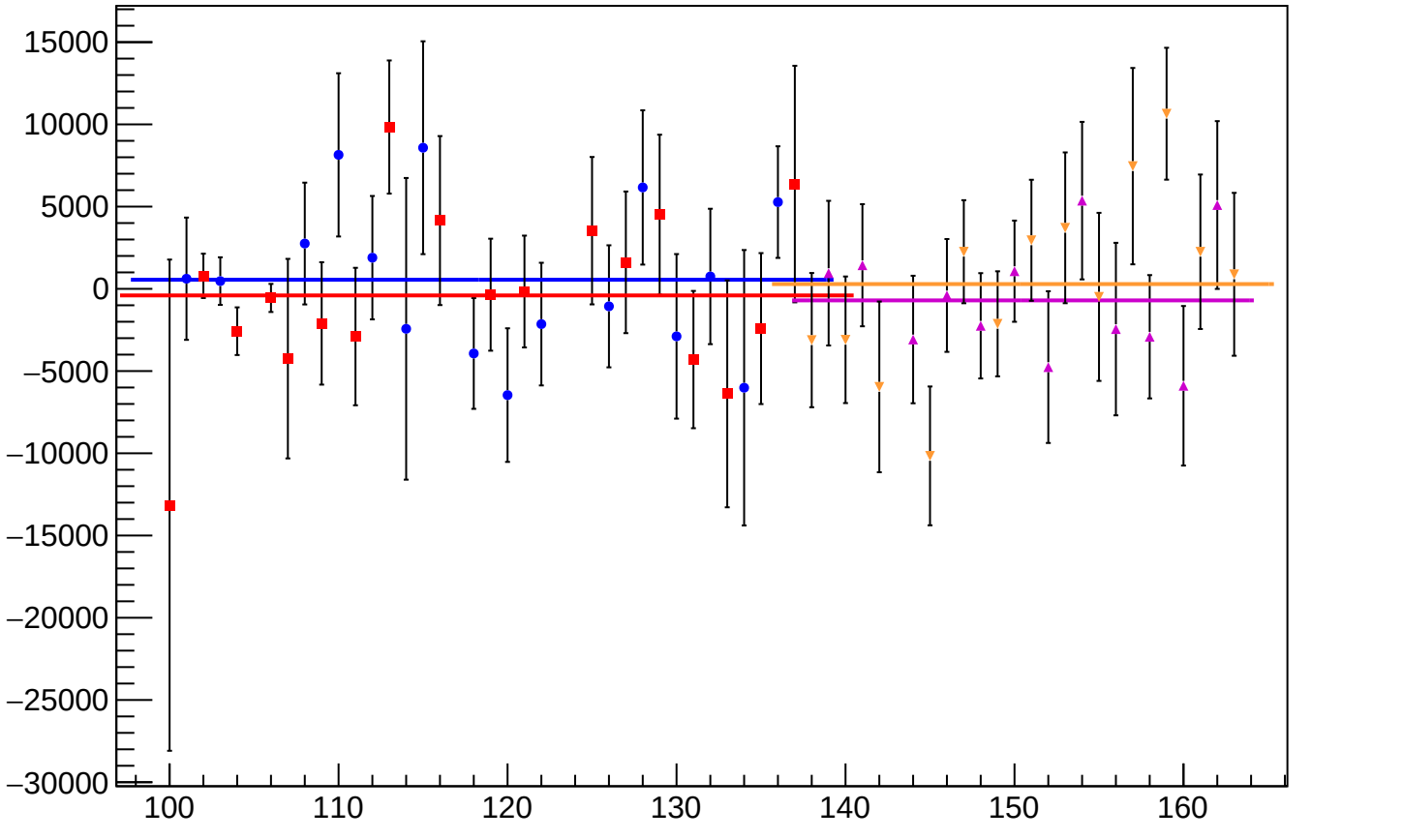
Left: 1169.389+/-0.182 χ^2/NDF: 78224.1/24

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1165.517+/-0.198 χ^2/NDF:669610.3/27

Out: 1171.456+/-0.200 χ^2/NDF:375597.3/30

All: 1168.471+/-0.141 χ^2/NDF: 1045653.1/58



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: 289.713+/-1149.486 χ^2/NDF:19.4/12

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -702.291+/-1148.583 χ^2/NDF:6.7/11

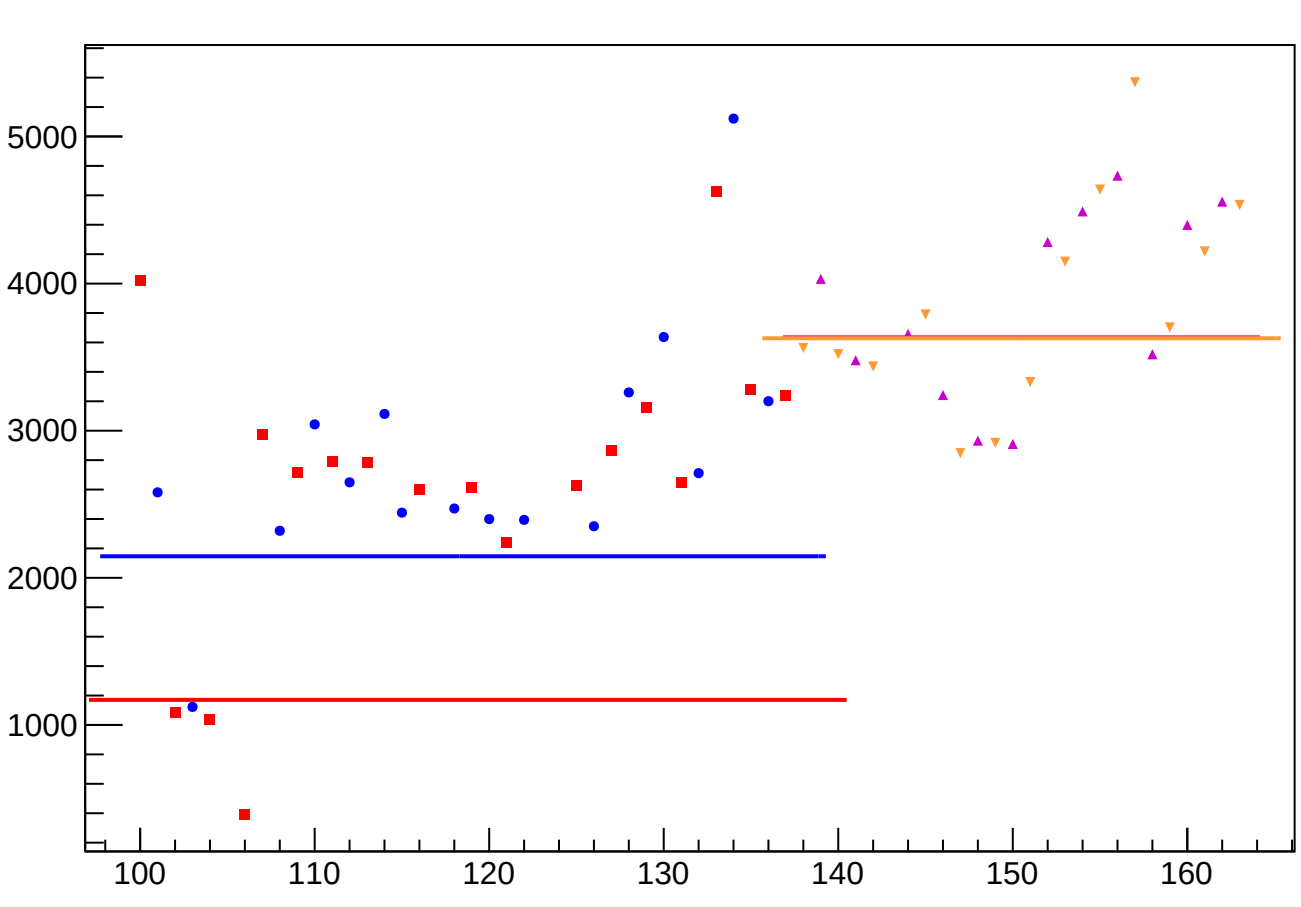
Left: -206.678+/-812.490 χ^2/NDF: 26.5/24

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 92.293+/-695.595 χ^2/NDF:21.8/27

Out: -265.810+/-507.683 χ^2/NDF:36.4/30

All: -141.351+/-410.077 χ^2/NDF: 58.4/58



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3628.469+/-0.813 χ^2/NDF:617548.8/12

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3634.601+/-0.812 χ^2/NDF:561341.2/11

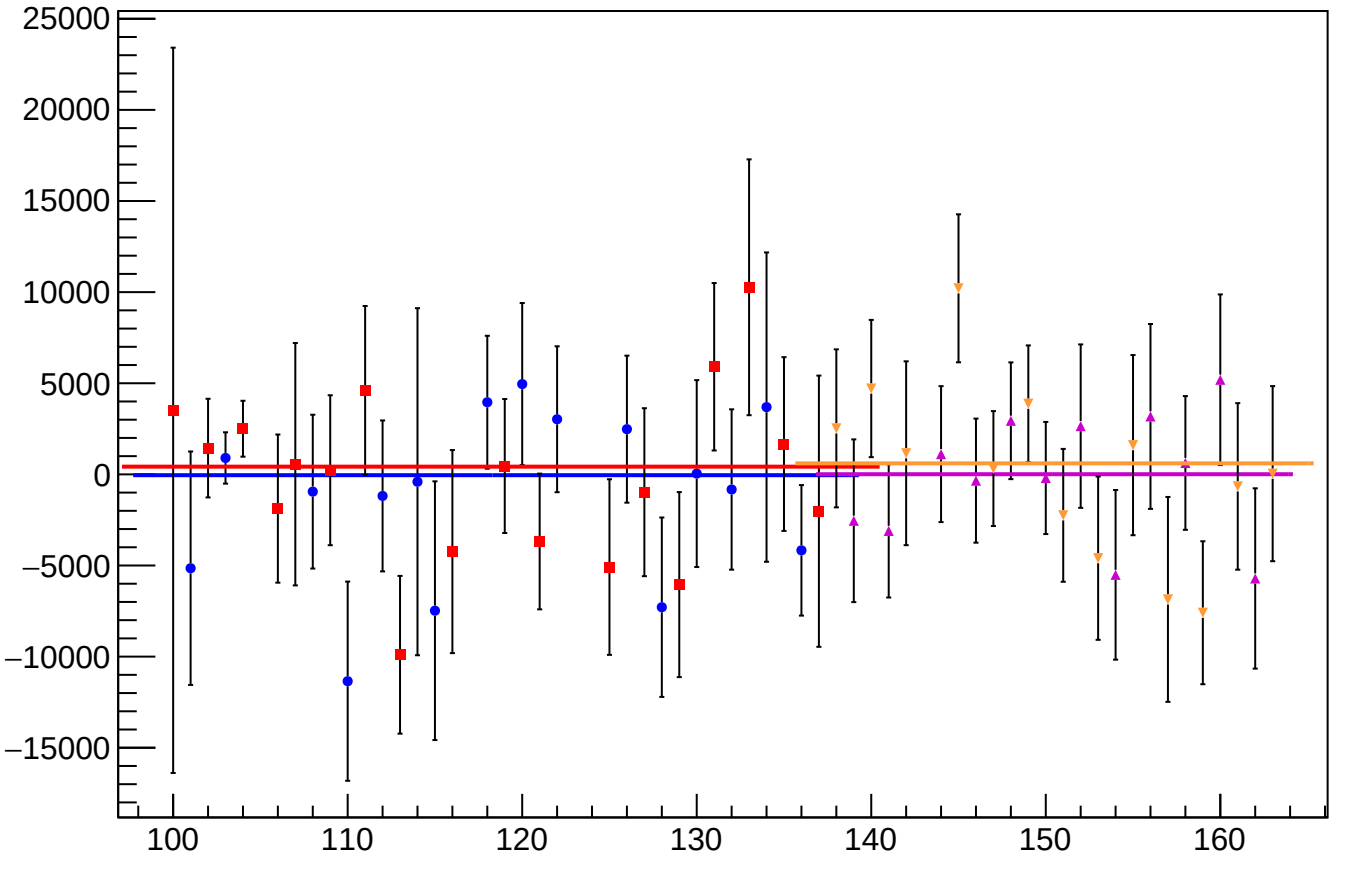
Left: 3631.537+/-0.575 χ^2/NDF: 1178918.5/24

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2692.356+/-0.492 χ^2/NDF:4661597.8/27

Out: 1650.003+/-0.359 χ^2/NDF:13795847.2/30

All: 2012.274+/-0.290 χ^2/NDF: 21387616.1/5



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 604.816+/-1135.293 χ^2/NDF:16.3/12

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: 8.865+/-1130.906 χ^2/NDF:6.7/11

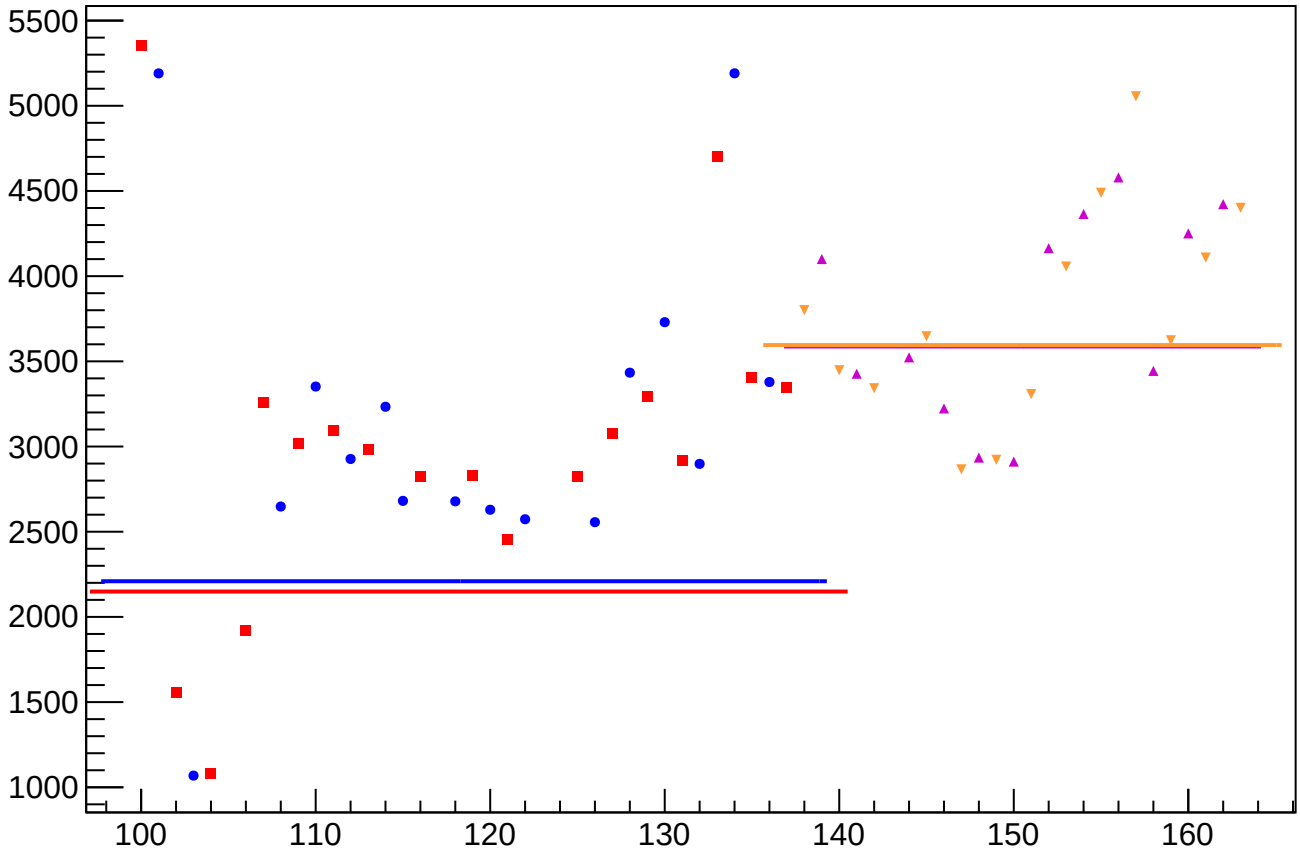
Left: 305.687+/-801.218 χ^2/NDF: 23.1/24

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -23.453+/-714.016 χ^2/NDF:20.5/27

Out: 493.147+/-703.696 χ^2/NDF:33.6/30

All: 238.607+/-501.197 χ^2/NDF: 54.4/58



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3595.403+/-0.803 χ^2/NDF:524174.7/12

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3587.001+/-0.800 χ^2/NDF:498734.7/11

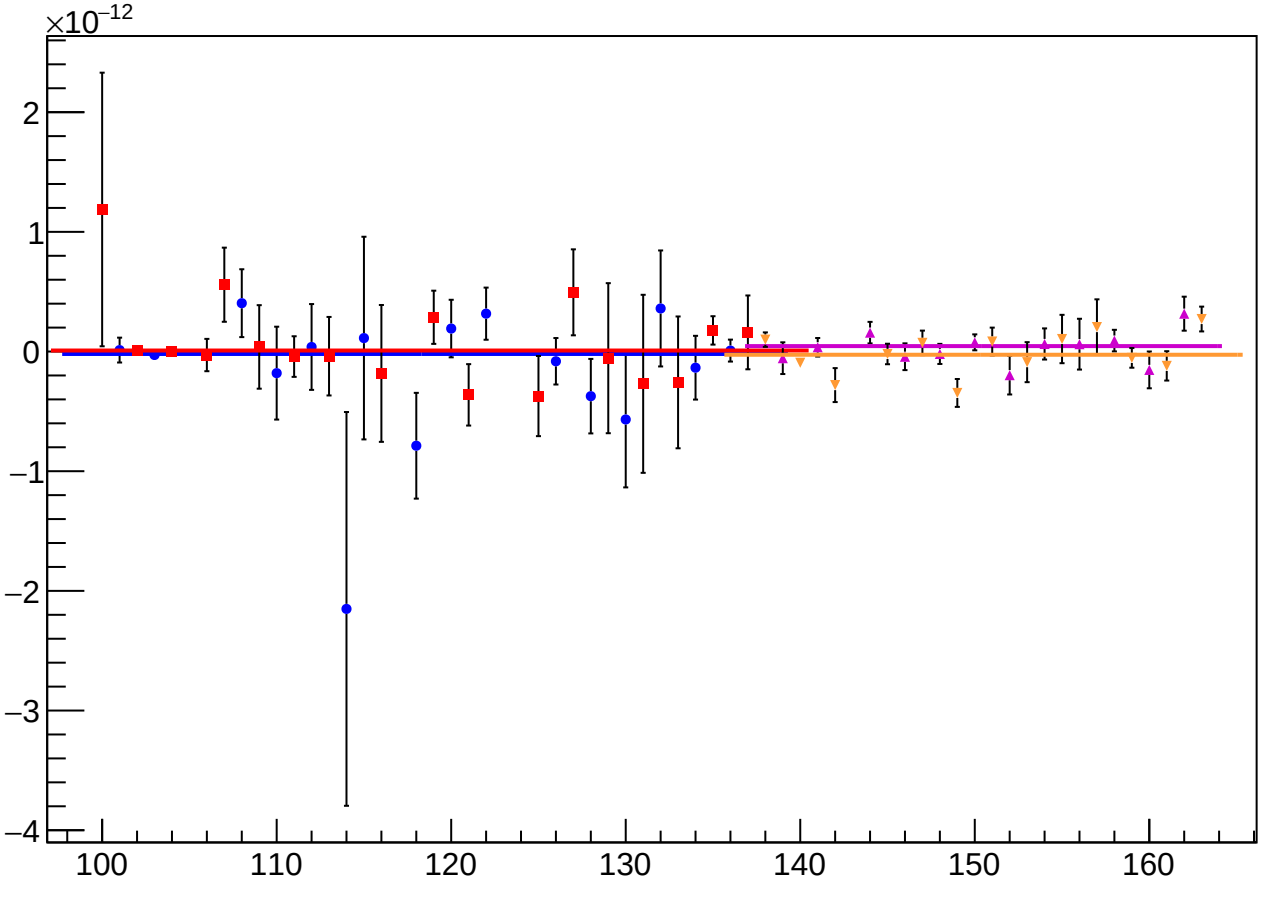
Left: 3591.186+/-0.567 χ^2/NDF: 1022964.4/24

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2758.512+/-0.505 χ^2/NDF:5120466.8/27

Out: 2703.034+/-0.497 χ^2/NDF:4796752.9/30

All: 2730.328+/-0.354 χ^2/NDF: 9923353.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:11.5/11

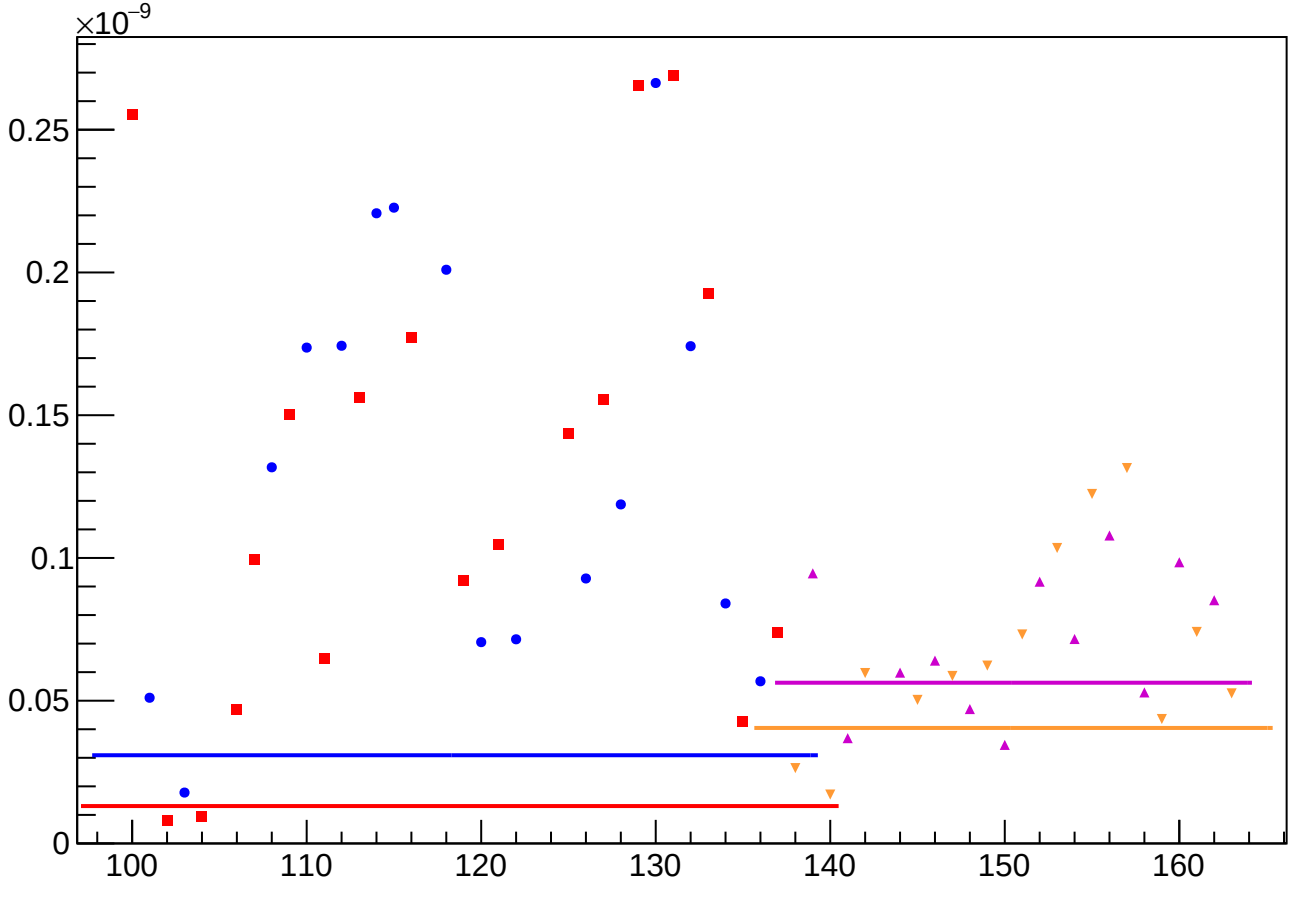
Left: 0.000+/-0.000 χ^2/NDF: 45.1/24

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:28.0/27

Out: -0.000+/-0.000 χ^2/NDF:45.6/30

All: 0.000+/-0.000 χ^2/NDF: 73.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2219236.6/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1021341.0/11

Left: 0.000+/-0.000 χ^2/NDF: 3580141.5/24

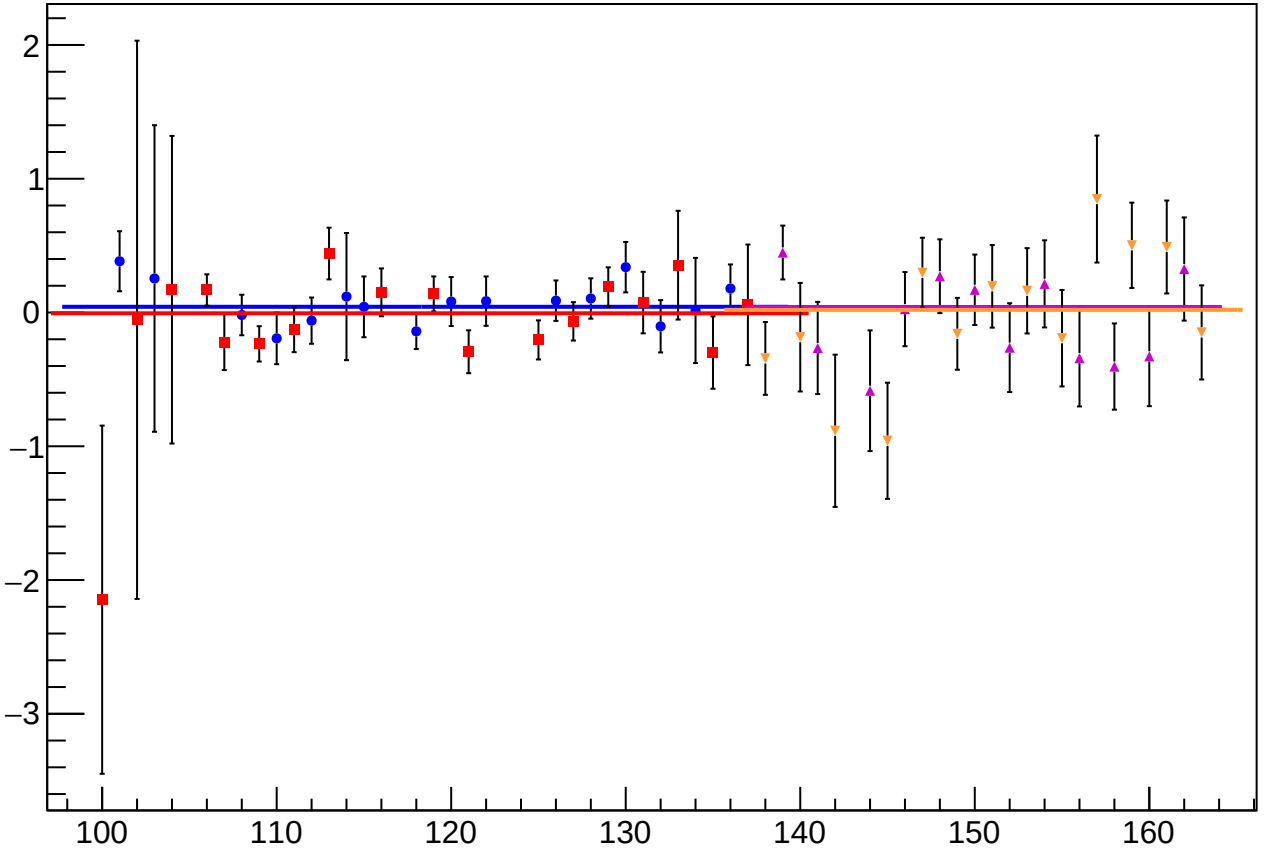
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:4860331.4/27

Out: 0.000+/-0.000 χ^2/NDF:7718845.4/30

All: 0.000+/-0.000 χ^2/NDF: 14239740.0/58

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.041+/-0.088 χ^2/NDF:13.4/11

Left: 0.031+/-0.064 χ^2/NDF: 32.9/24

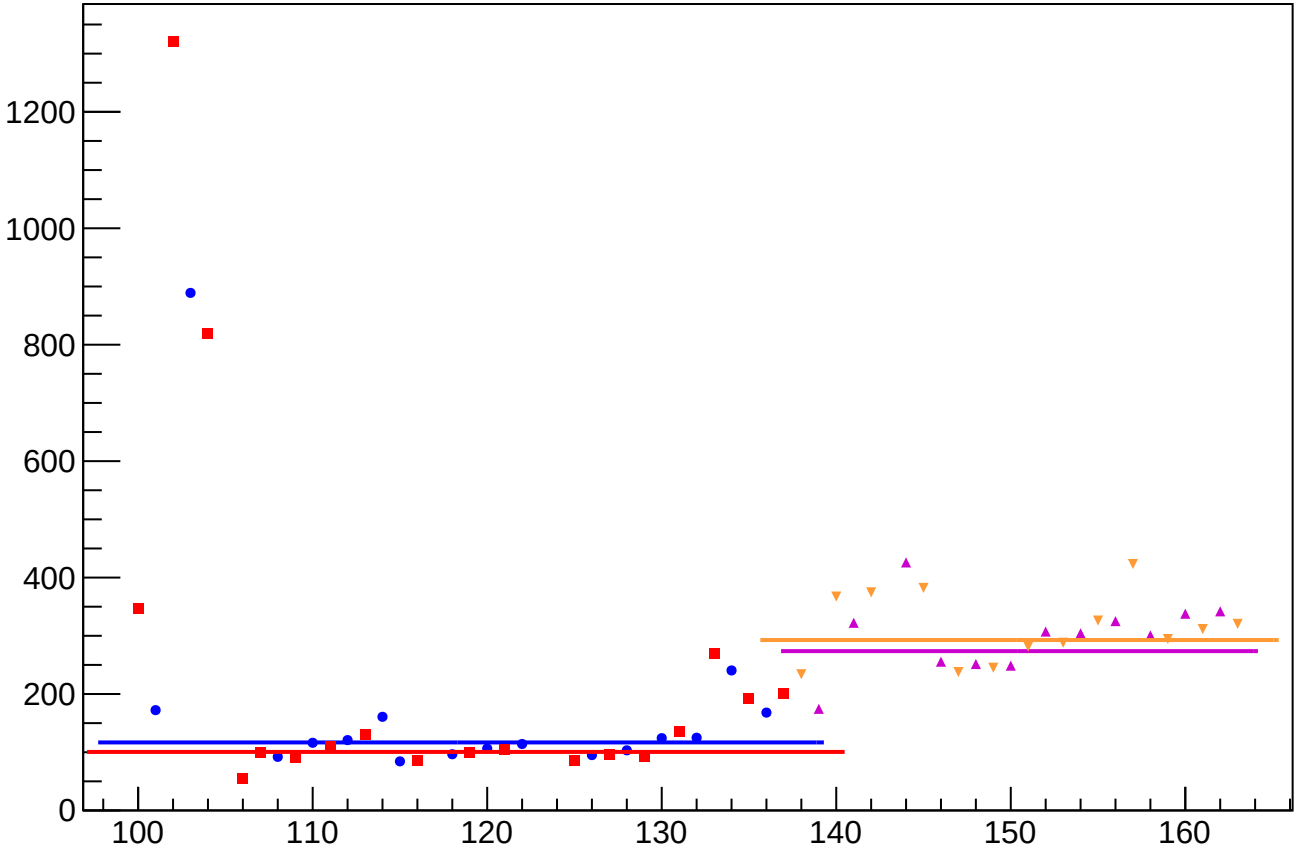
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.042+/-0.042 χ^2/NDF:23.7/27

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.019+/-0.029 χ^2/NDF: 69.8/58

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 292.737+/-0.066 χ^2/NDF:628140.7/12

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 273.684+/-0.062 χ^2/NDF:1007860.0/11

Left: 282.689+/-0.045 χ^2/NDF: 1680030.5/24

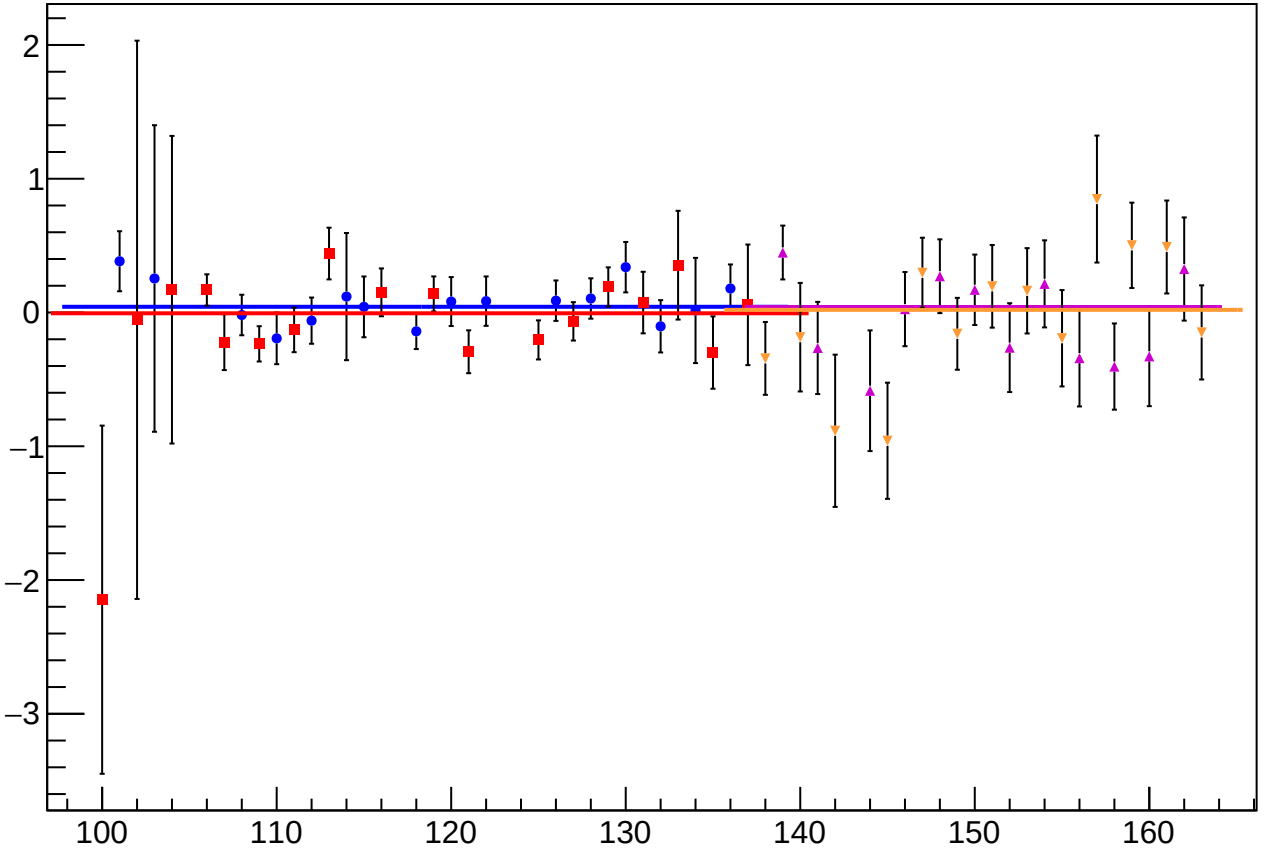
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 152.015+/-0.030 χ^2/NDF:7525917.3/27

Out: 134.736+/-0.028 χ^2/NDF:10276137.5/30

All: 142.849+/-0.020 χ^2/NDF: 17983281.9/58

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.041+/-0.088 χ^2/NDF:13.4/11

Left: 0.031+/-0.064 χ^2/NDF: 32.9/24

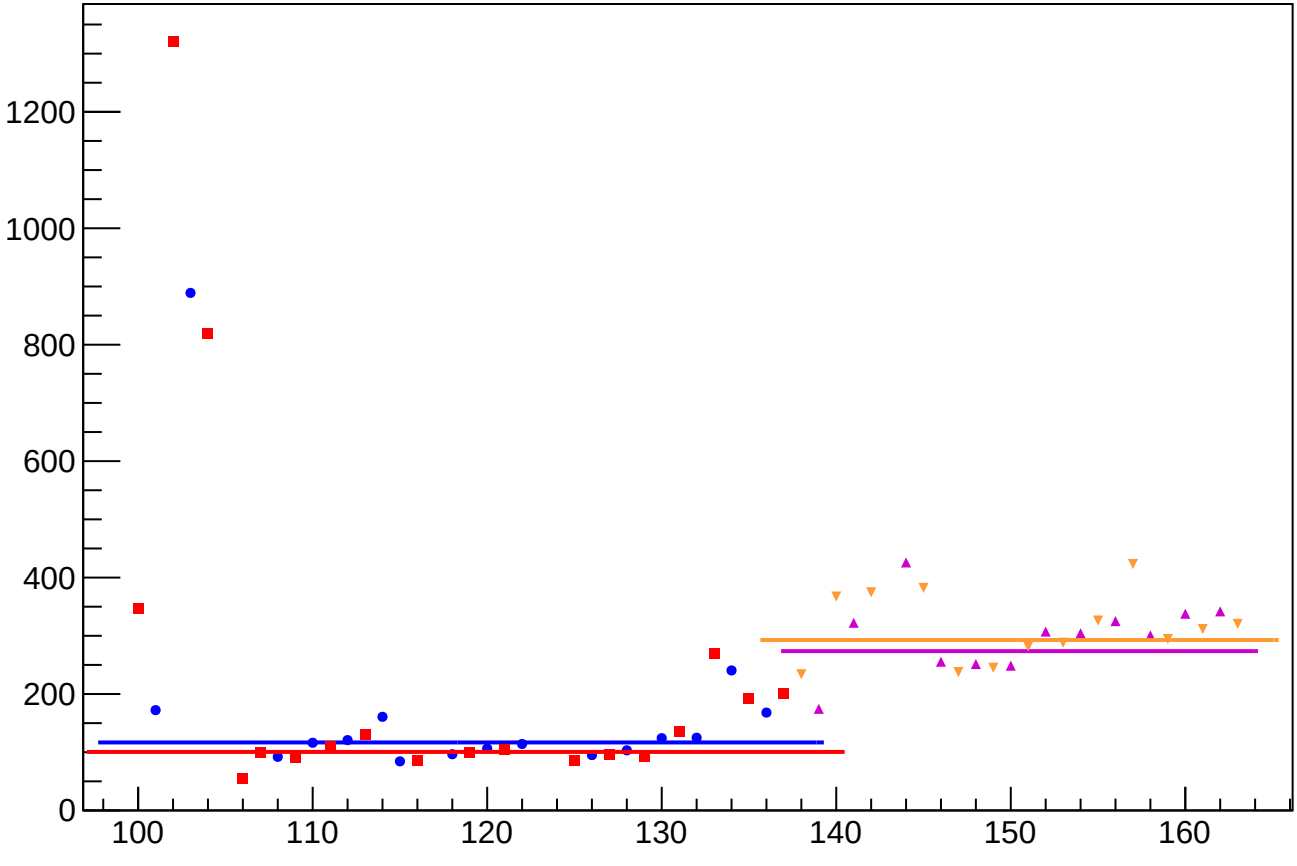
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.042+/-0.042 χ^2/NDF:23.7/27

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.019+/-0.029 χ^2/NDF: 69.8/58

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 292.737+/-0.066 χ^2/NDF:628140.7/12

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 273.684+/-0.062 χ^2/NDF:1007860.0/11

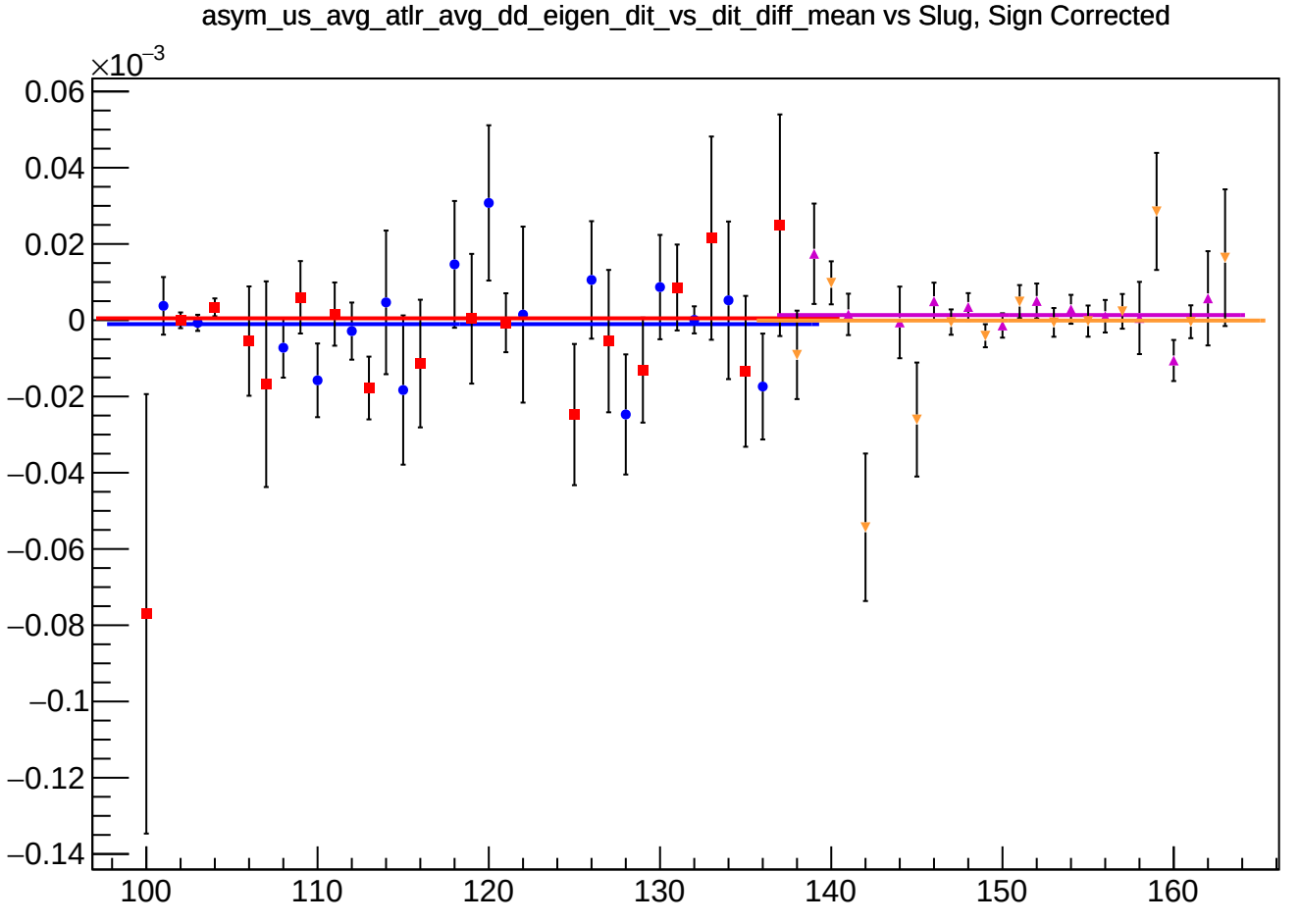
Left: 282.689+/-0.045 χ^2/NDF: 1680030.5/24

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 152.015+/-0.030 χ^2/NDF:7525917.3/27

Out: 134.736+/-0.028 χ^2/NDF:10276137.5/30

All: 142.849+/-0.020 χ^2/NDF: 17983281.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:9.0/11

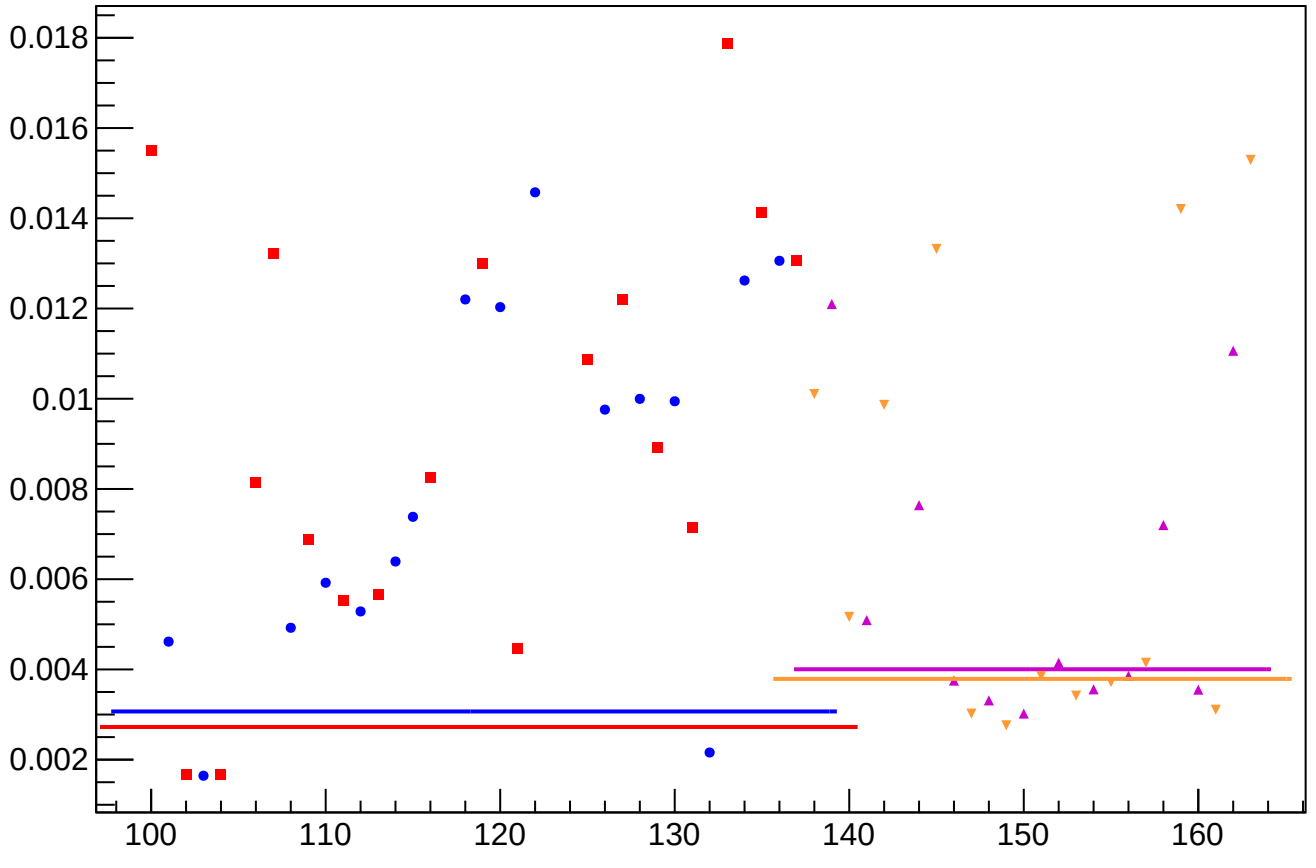
Left: 0.000+/-0.000 χ^2/NDF: 31.8/24

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:22.8/27

Out: 0.000+/-0.000 χ^2/NDF:37.4/30

All: 0.000+/-0.000 χ^2/NDF: 60.2/58



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:3887299.9/12

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:2328721.0/11

Left: 0.004+/-0.000 χ^2/NDF: 6239470.9/24

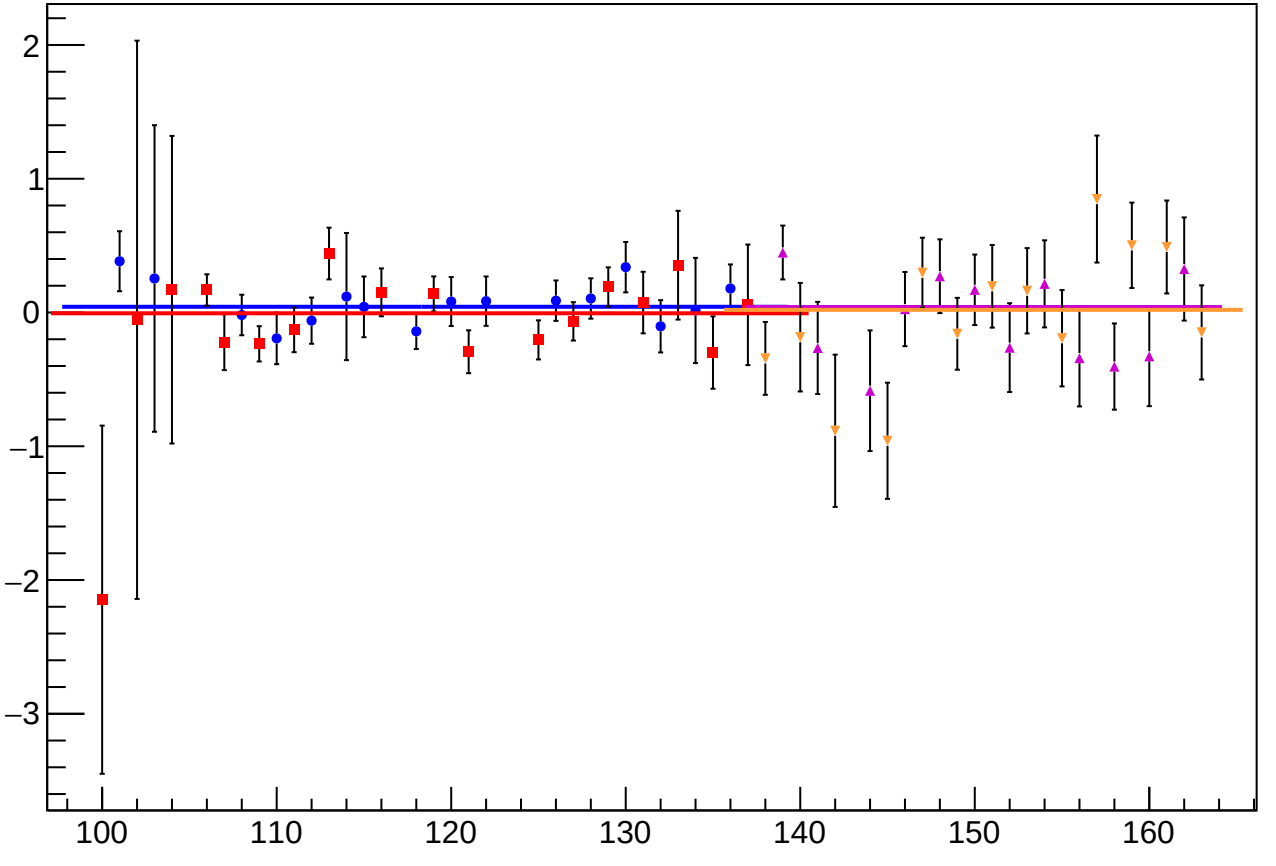
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:8678787.8/27

Out: 0.003+/-0.000 χ^2/NDF:11197876.7/30

All: 0.003+/-0.000 χ^2/NDF: 19971642.4/58

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.041+/-0.088 χ^2/NDF:13.4/11

Left: 0.031+/-0.064 χ^2/NDF: 32.9/24

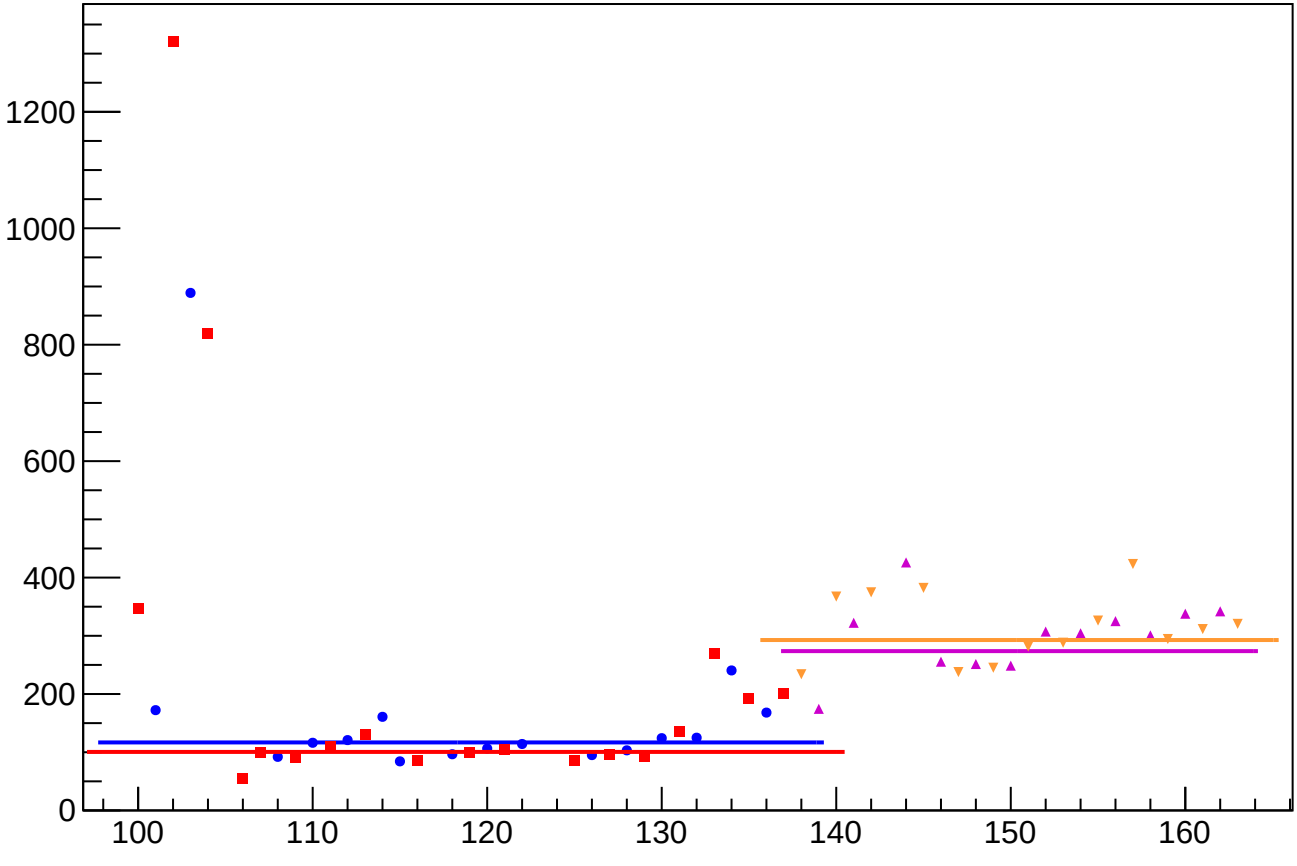
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.042+/-0.042 χ^2/NDF:23.7/27

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.019+/-0.029 χ^2/NDF: 69.8/58

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 292.740+/-0.066 χ^2/NDF:628150.4/12

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 273.687+/-0.062 χ^2/NDF:1007821.4/11

Left: 282.692+/-0.045 χ^2/NDF: 1679998.7/24

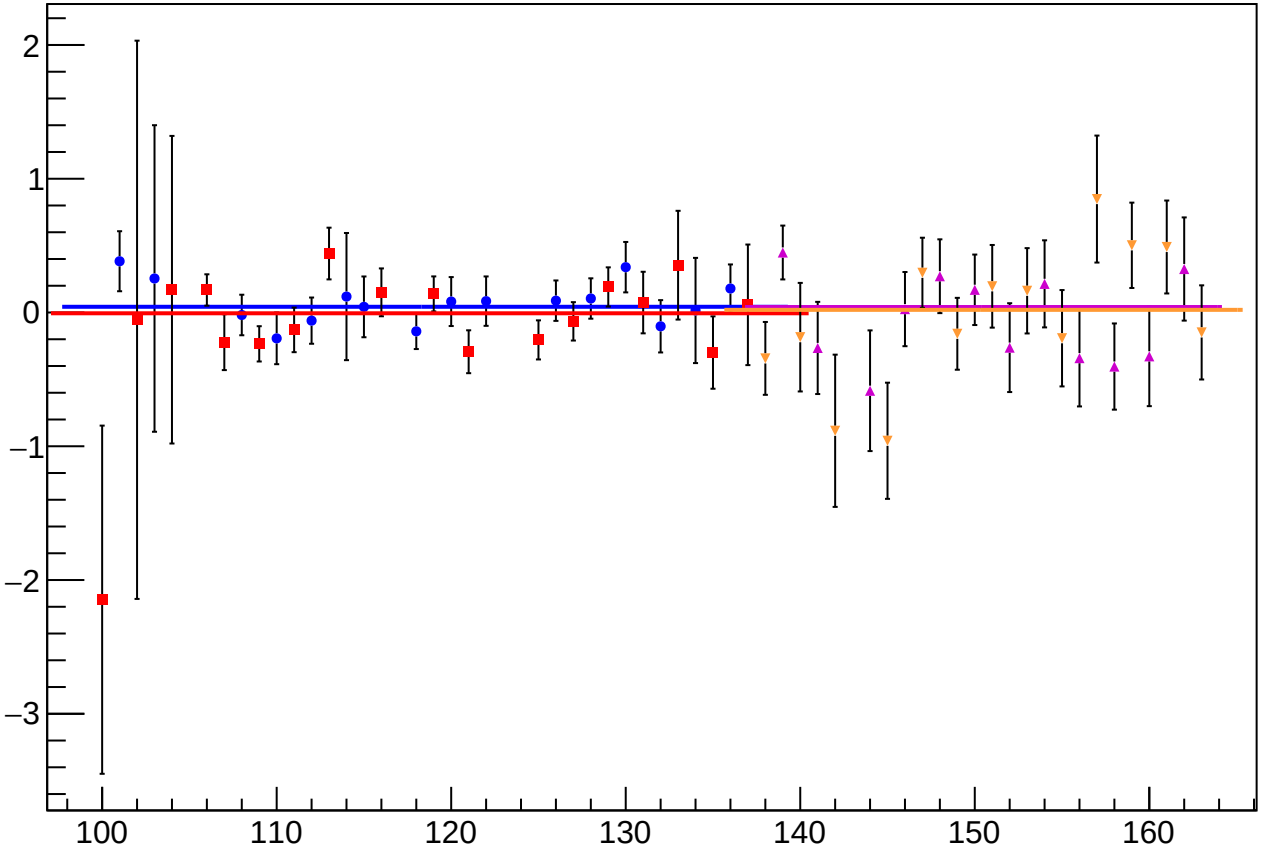
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 152.015+/-0.030 χ^2/NDF:7526022.9/27

Out: 134.735+/-0.028 χ^2/NDF:10276420.7/30

All: 142.849+/-0.020 χ^2/NDF: 17983696.0/58

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.020+/-0.093 χ^2/NDF:19.5/12

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.041+/-0.088 χ^2/NDF:13.4/11

Left: 0.031+/-0.064 χ^2/NDF: 32.9/24

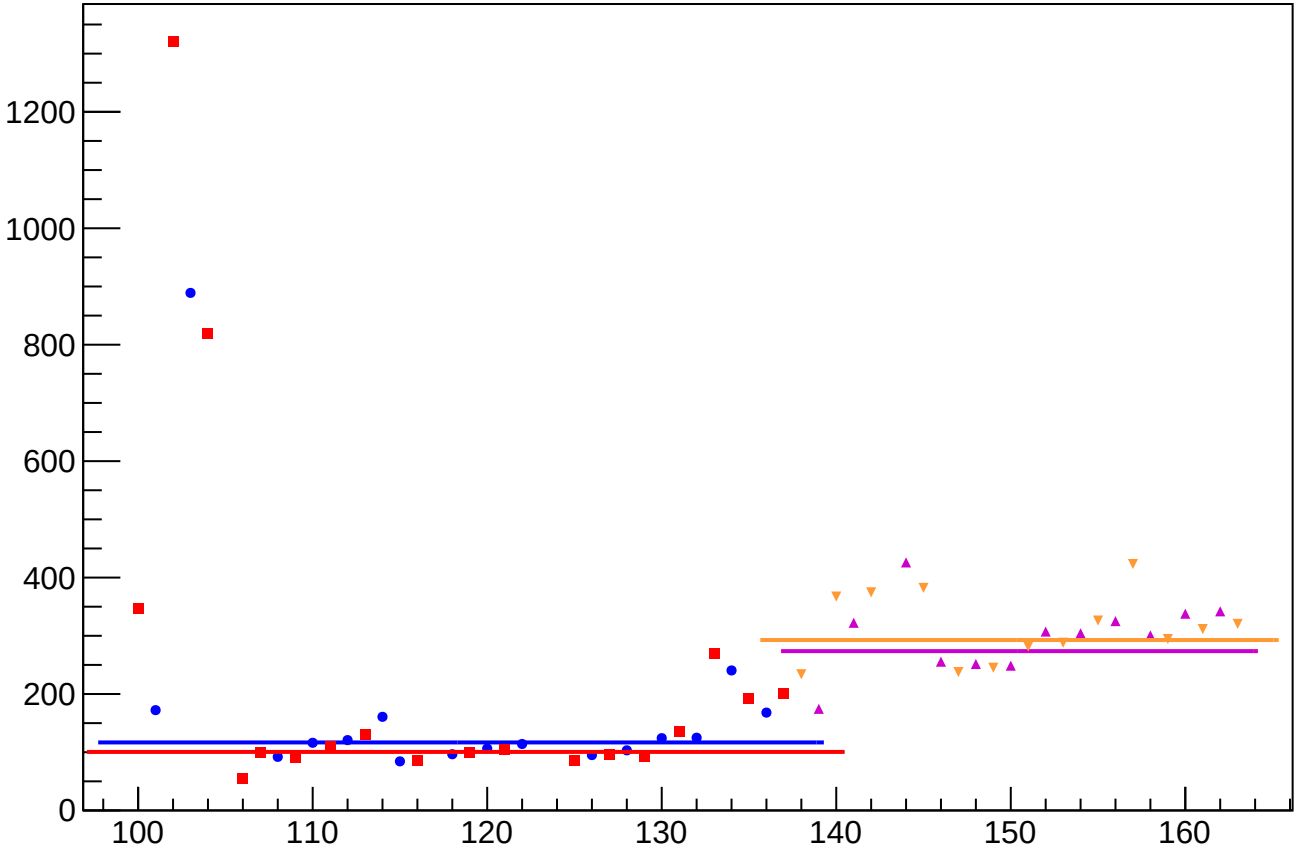
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.042+/-0.042 χ^2/NDF:23.7/27

Out: -0.001+/-0.039 χ^2/NDF:45.6/30

All: 0.019+/-0.029 χ^2/NDF: 69.8/58

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 292.740+/-0.066 χ^2/NDF:628150.4/12

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 273.687+/-0.062 χ^2/NDF:1007821.4/11

Left: 282.692+/-0.045 χ^2/NDF: 1679998.7/24

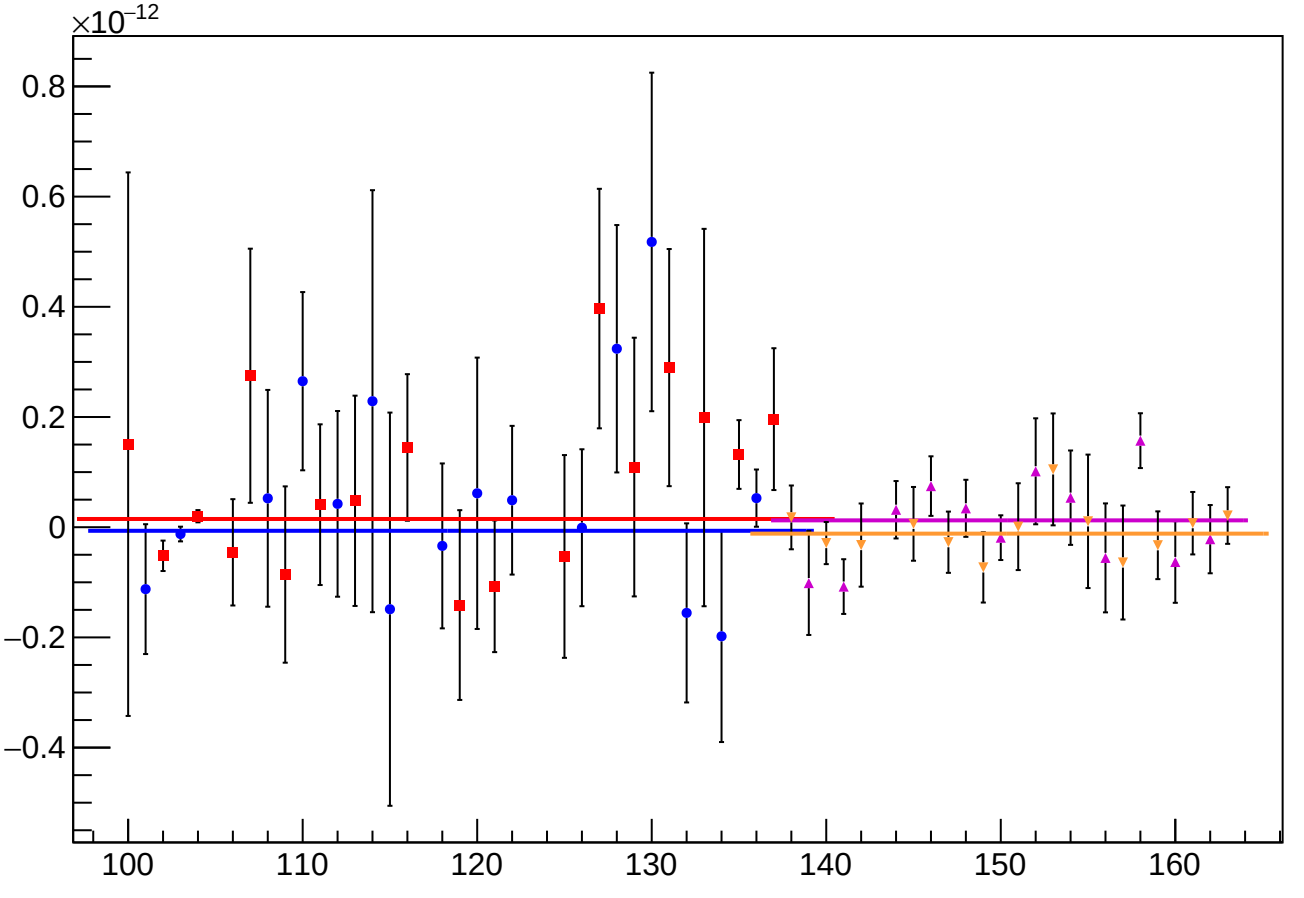
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 152.015+/-0.030 χ^2/NDF:7526022.9/27

Out: 134.735+/-0.028 χ^2/NDF:10276420.7/30

All: 142.849+/-0.020 χ^2/NDF: 17983696.0/58

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:20.9/11

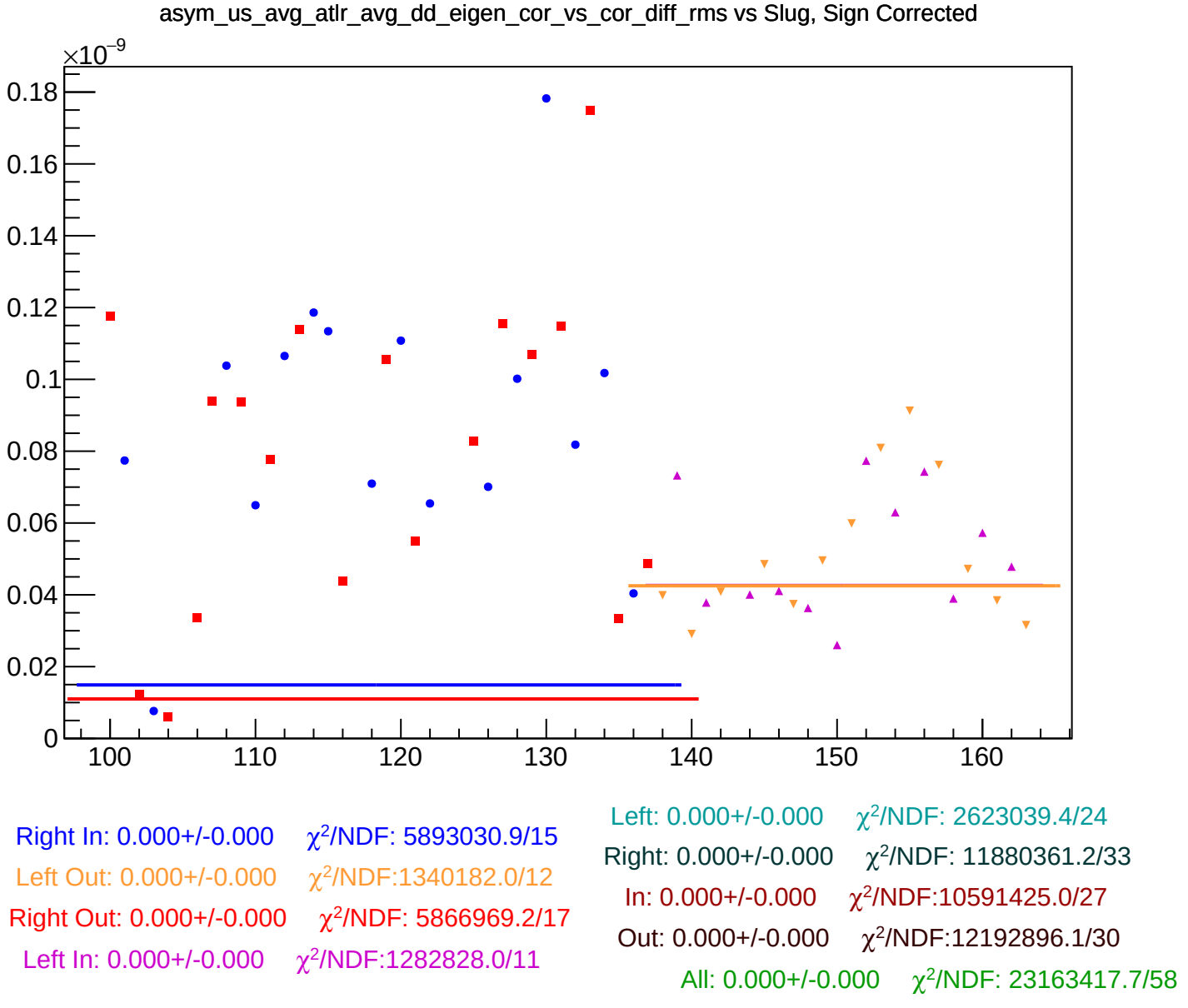
Left: 0.000+/-0.000 χ^2/NDF: 25.8/24

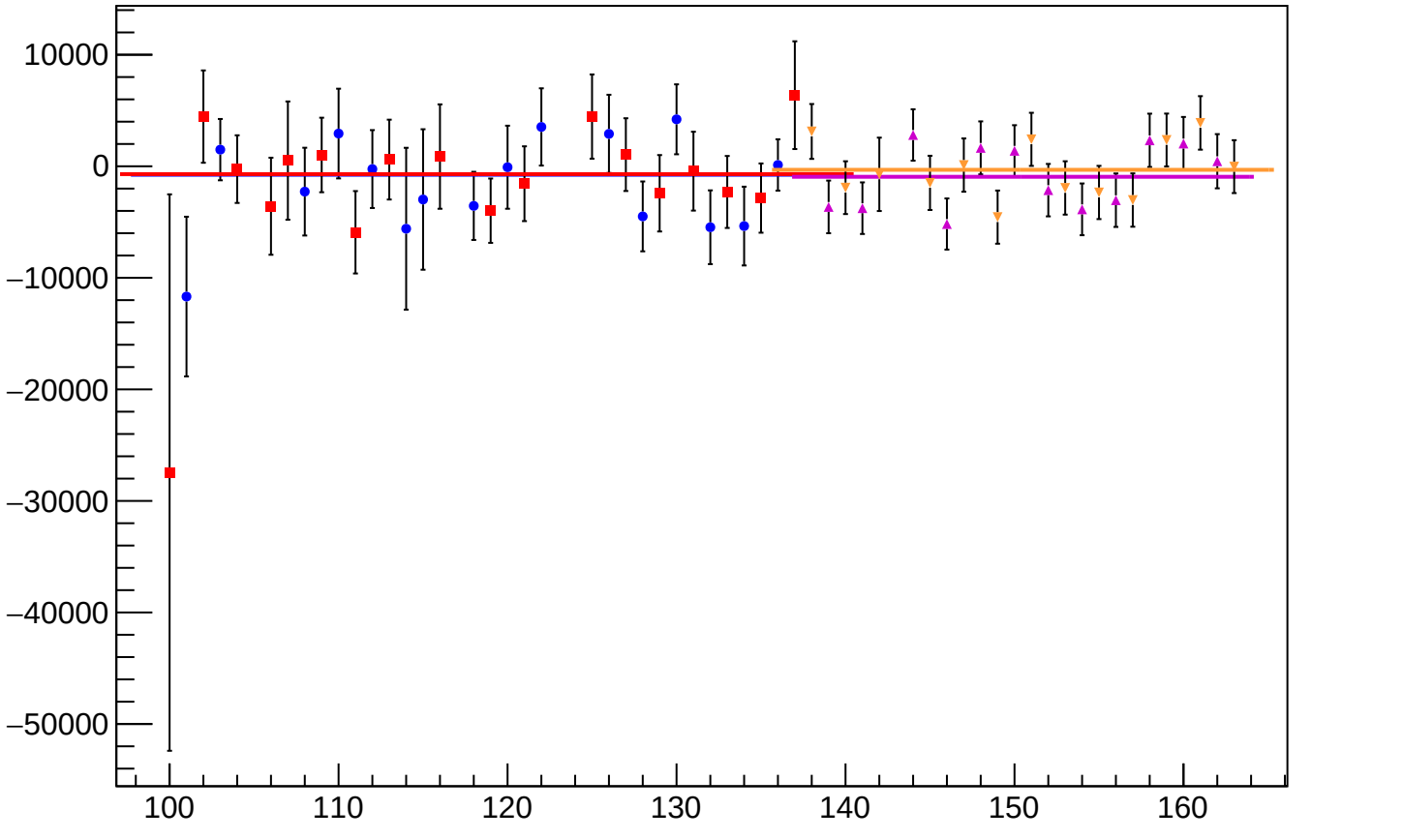
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:34.7/27

Out: 0.000+/-0.000 χ^2/NDF:27.6/30

All: 0.000+/-0.000 χ^2/NDF: 62.7/58


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1340182.0/12
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1282828.0/11
Left: 0.000+/-0.000 χ²/NDF: 2623039.4/24
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:10591425.0/27
Out: 0.000+/-0.000 χ²/NDF:12192896.1/30
All: 0.000+/-0.000 χ²/NDF: 23163417.7/58



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -316.237+/-675.874 χ^2/NDF:14.0/12

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -941.671+/-678.263 χ^2/NDF:17.4/11

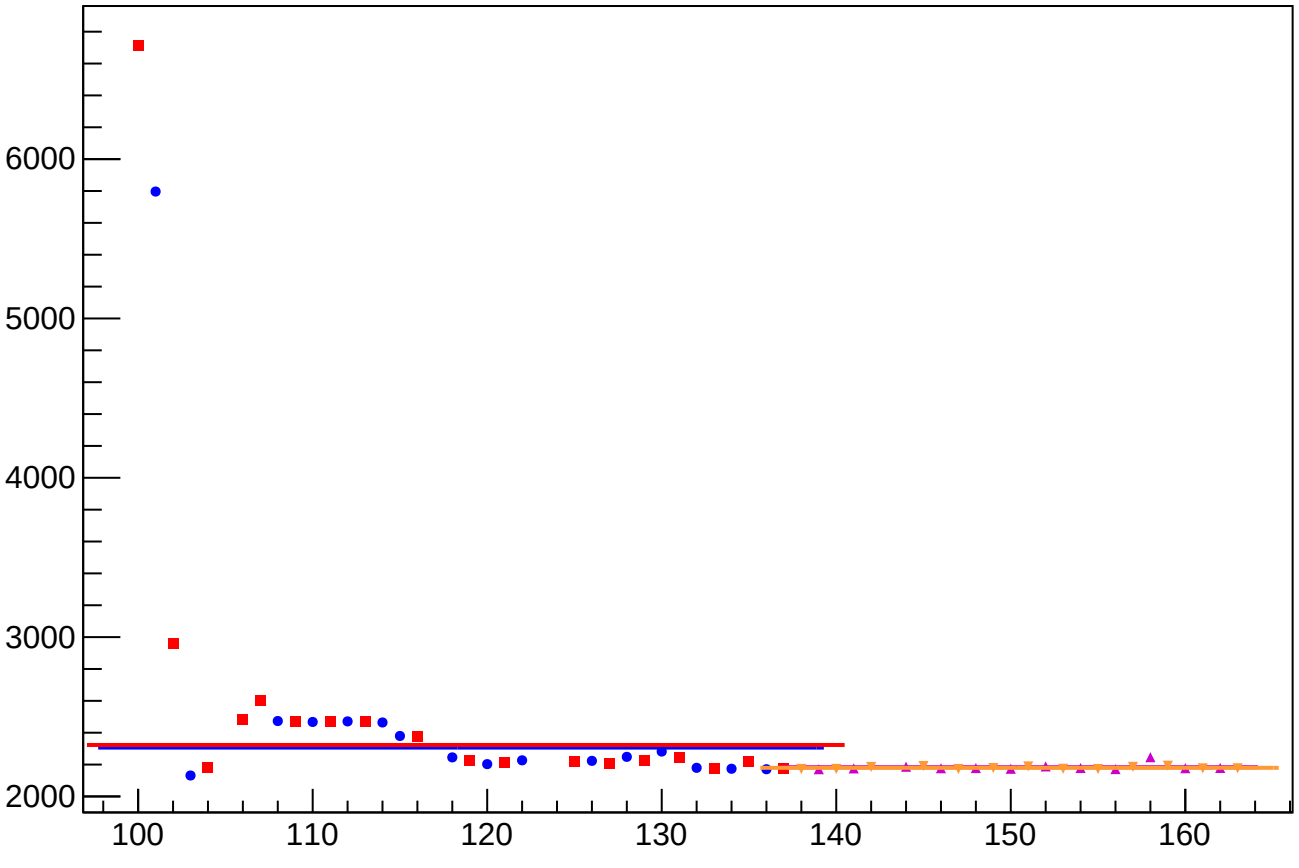
Left: -627.851+/-478.757 χ^2/NDF: 31.9/24

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -871.104+/-535.527 χ^2/NDF:33.4/27

Out: -461.784+/-533.425 χ^2/NDF:26.5/30

All: -665.639+/-377.930 χ^2/NDF: 60.1/58



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2183.468+/-0.480 χ^2/NDF:1612.5/11

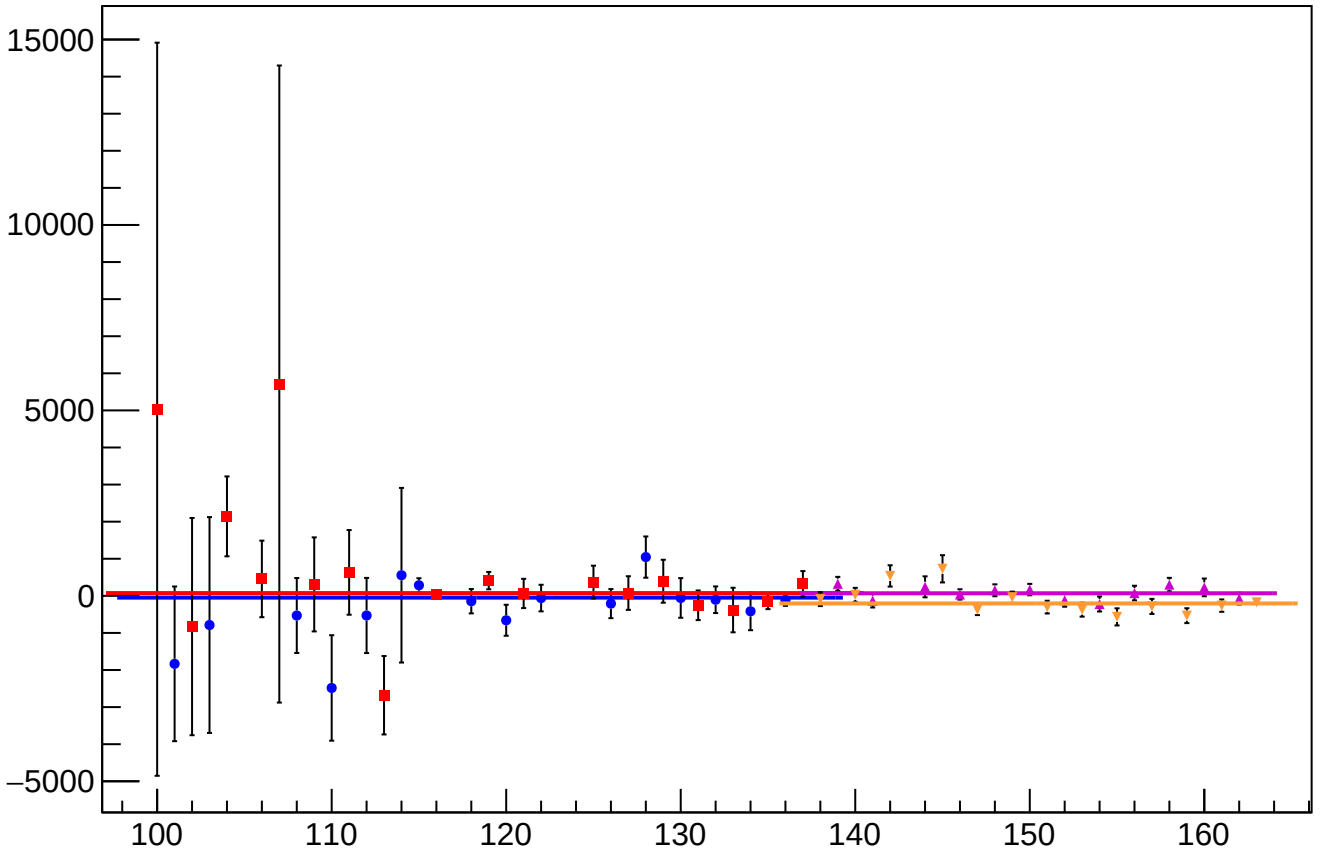
Left: 2181.551+/-0.339 χ^2/NDF: 1889.0/24

Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2229.856+/-0.379 χ^2/NDF:540603.4/27

Out: 2233.710+/-0.377 χ^2/NDF:185965.6/30

All: 2231.791+/-0.267 χ^2/NDF: 726621.1/58



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -205.008+/-50.406 χ^2/NDF:24.2/12

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 69.428+/-51.701 χ^2/NDF:10.3/11

Left: -71.269+/-36.092 χ^2/NDF: 48.9/24

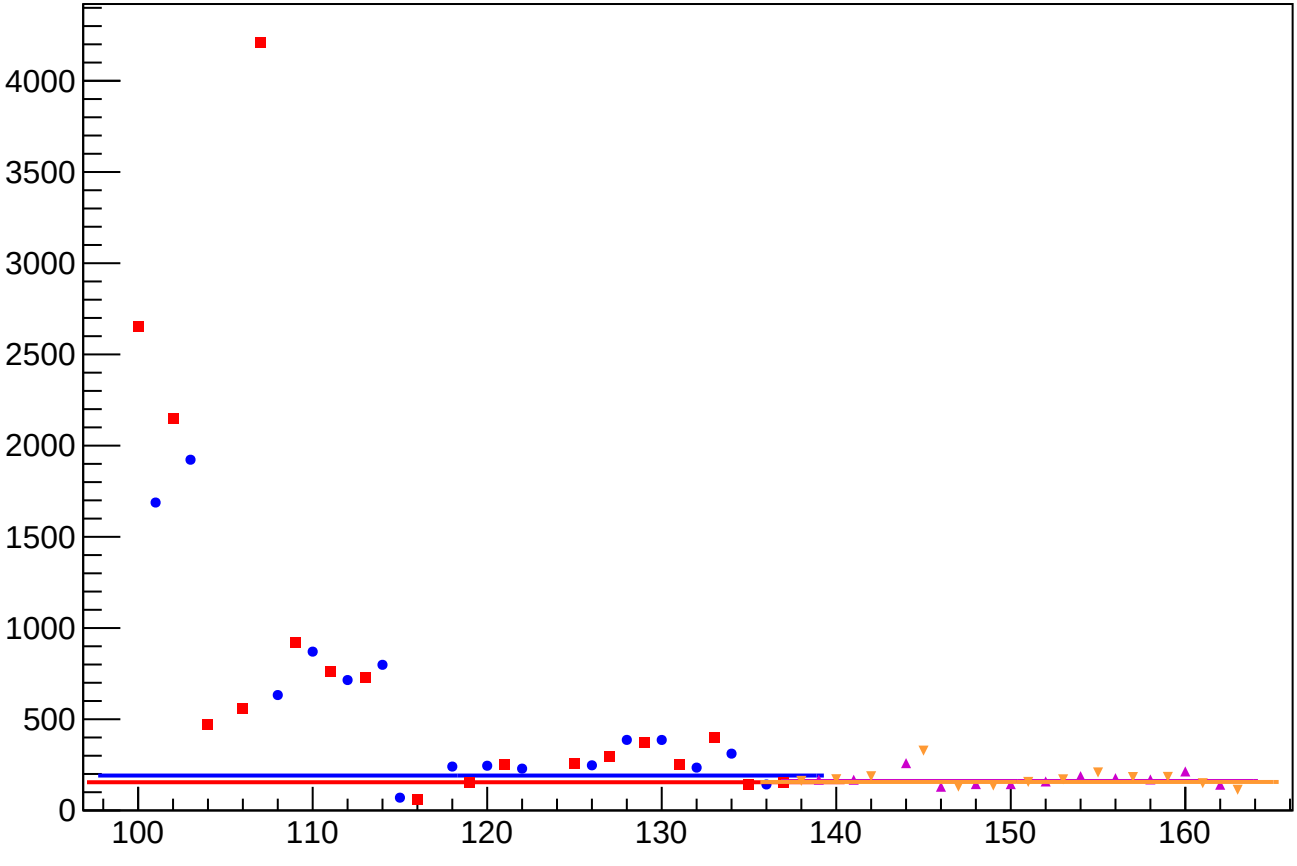
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 40.750+/-44.942 χ^2/NDF:26.0/27

Out: -128.955+/-42.997 χ^2/NDF:50.2/30

All: -47.855+/-31.068 χ^2/NDF: 83.6/58

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: 156.201+/-0.036 χ^2/NDF:984031.9/12

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 161.524+/-0.037 χ^2/NDF:574511.1/11

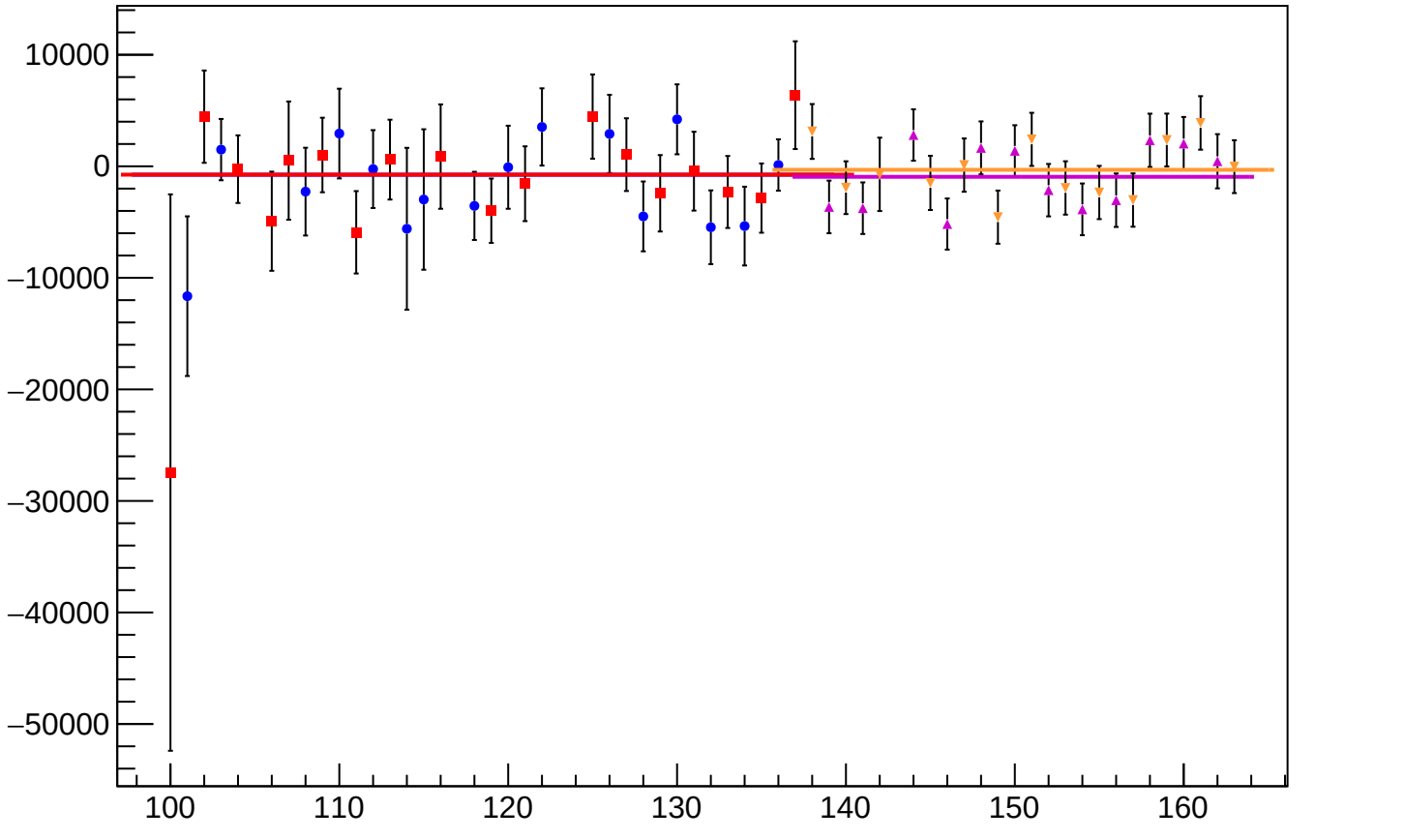
Left: 158.795+/-0.026 χ^2/NDF: 1569412.3/24

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 168.820+/-0.032 χ^2/NDF:5802246.0/27

Out: 155.786+/-0.030 χ^2/NDF:7138816.0/30

All: 162.015+/-0.022 χ^2/NDF: 13028895.4/58



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -316.221+/-675.874 χ^2/NDF:14.0/12

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -941.637+/-678.263 χ^2/NDF:17.4/11

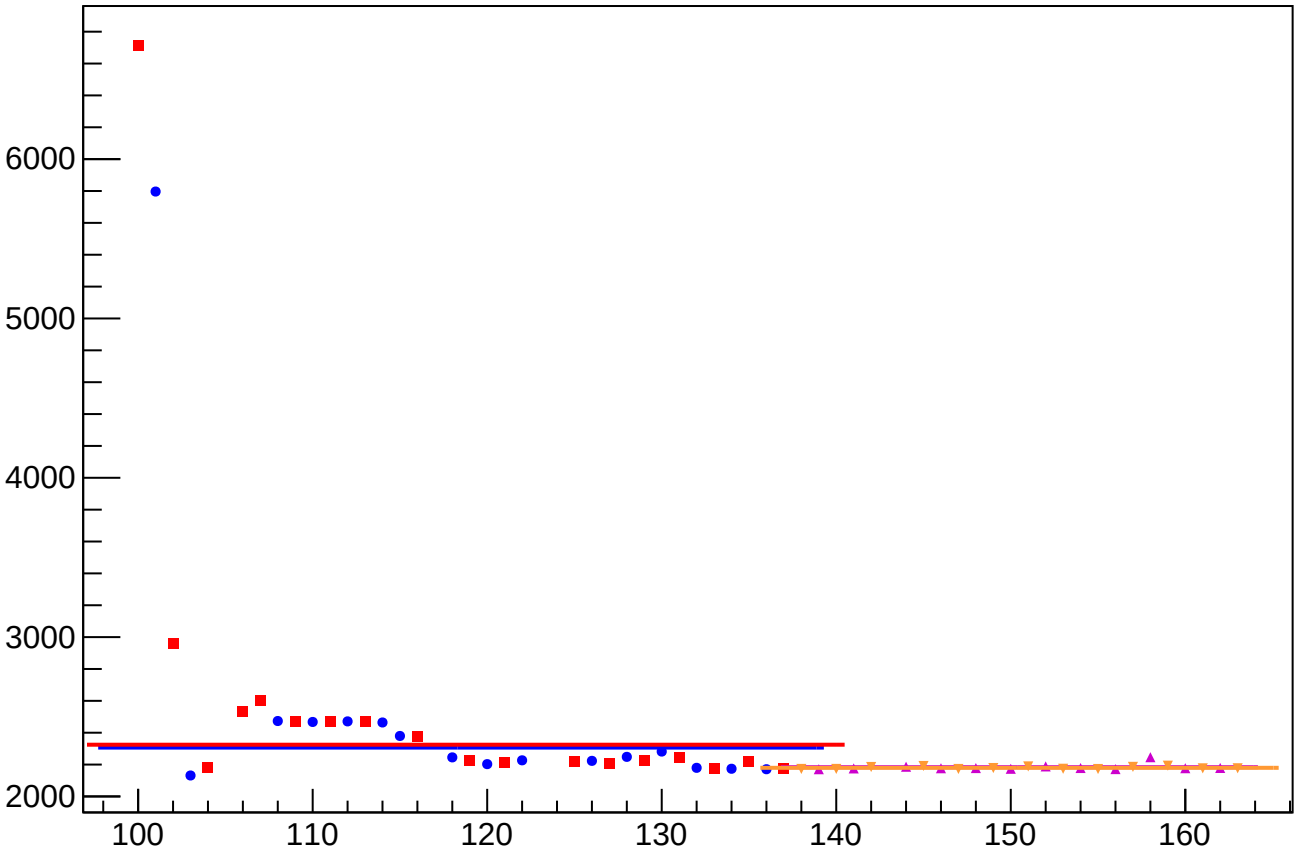
Left: -627.825+/-478.757 χ^2/NDF: 31.9/24

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -870.717+/-535.527 χ^2/NDF:33.3/27

Out: -479.374+/-533.592 χ^2/NDF:27.0/30

All: -674.337+/-377.989 χ^2/NDF: 60.6/58



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.468+/-0.480 χ^2/NDF:1612.5/11

Left: 2181.551+/-0.339 χ^2/NDF: 1889.0/24

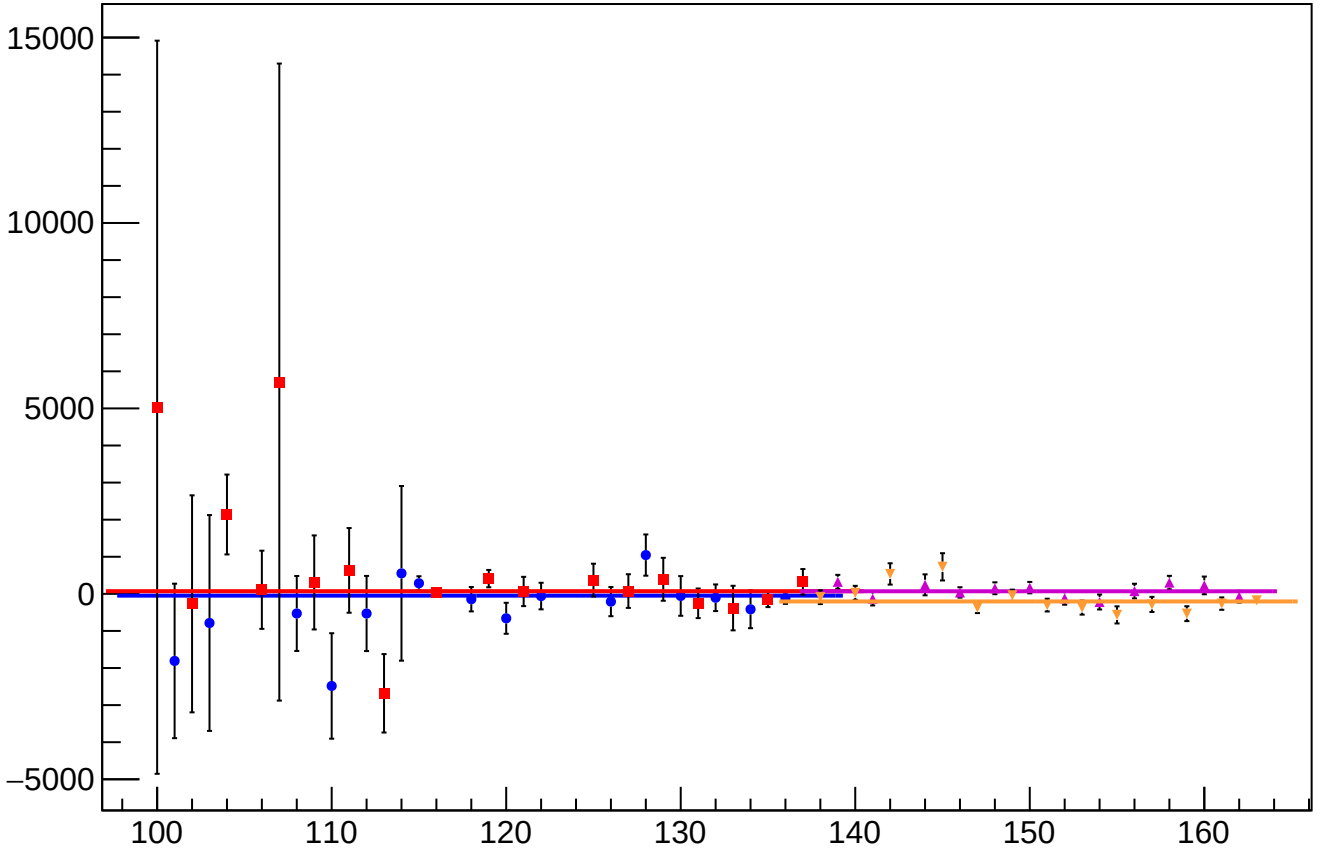
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2229.856+/-0.379 χ^2/NDF:540603.7/27

Out: 2234.285+/-0.377 χ^2/NDF:188518.5/30

All: 2232.079+/-0.267 χ^2/NDF: 729190.9/58

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -205.000+/-50.408 χ^2/NDF:24.1/12

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 69.363+/-51.705 χ^2/NDF:10.3/11

Left: -71.303+/-36.094 χ^2/NDF: 48.9/24

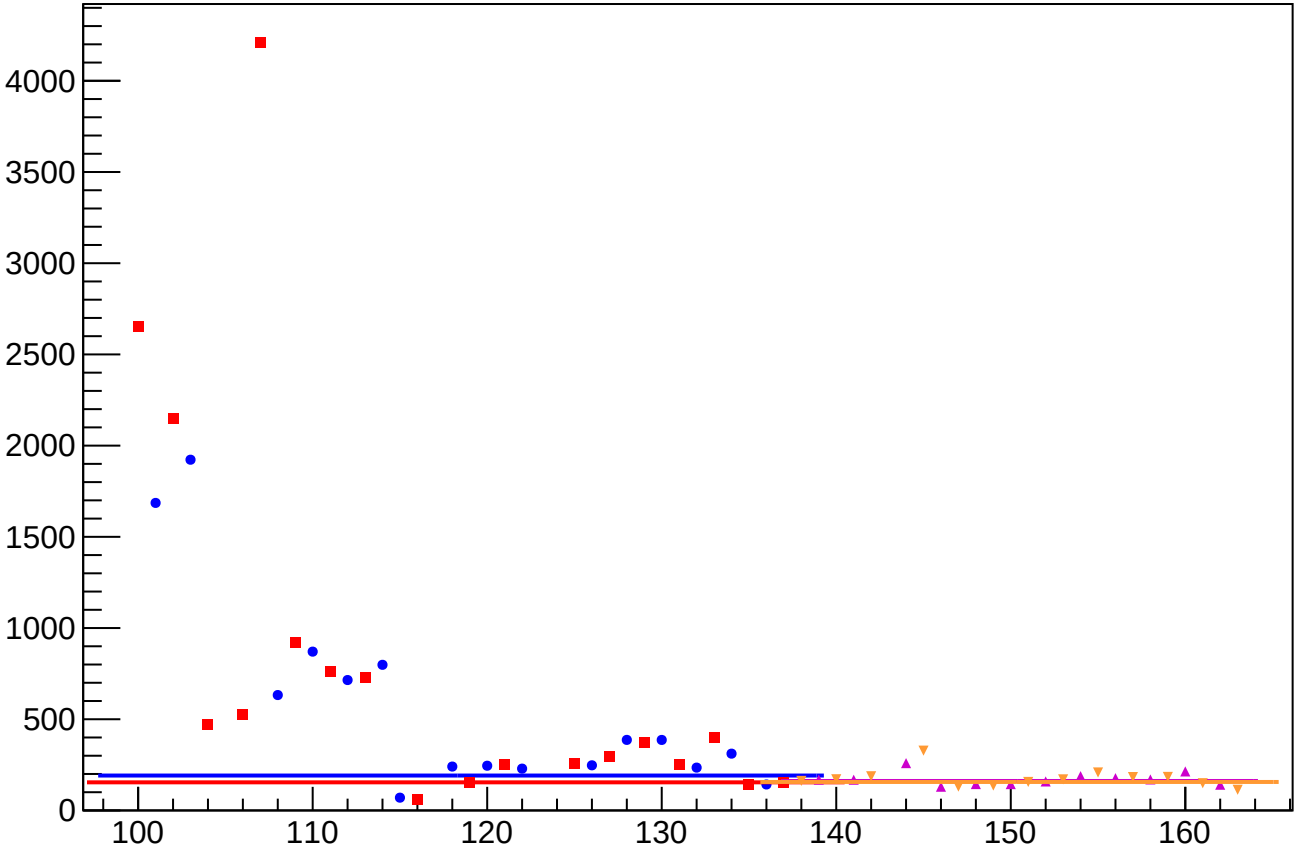
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 40.693+/-44.945 χ^2/NDF:25.9/27

Out: -129.409+/-42.989 χ^2/NDF:49.8/30

All: -48.141+/-31.066 χ^2/NDF: 83.2/58

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: 156.204+/-0.036 χ^2/NDF:984198.9/12

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.537+/-0.037 χ^2/NDF:574726.6/11

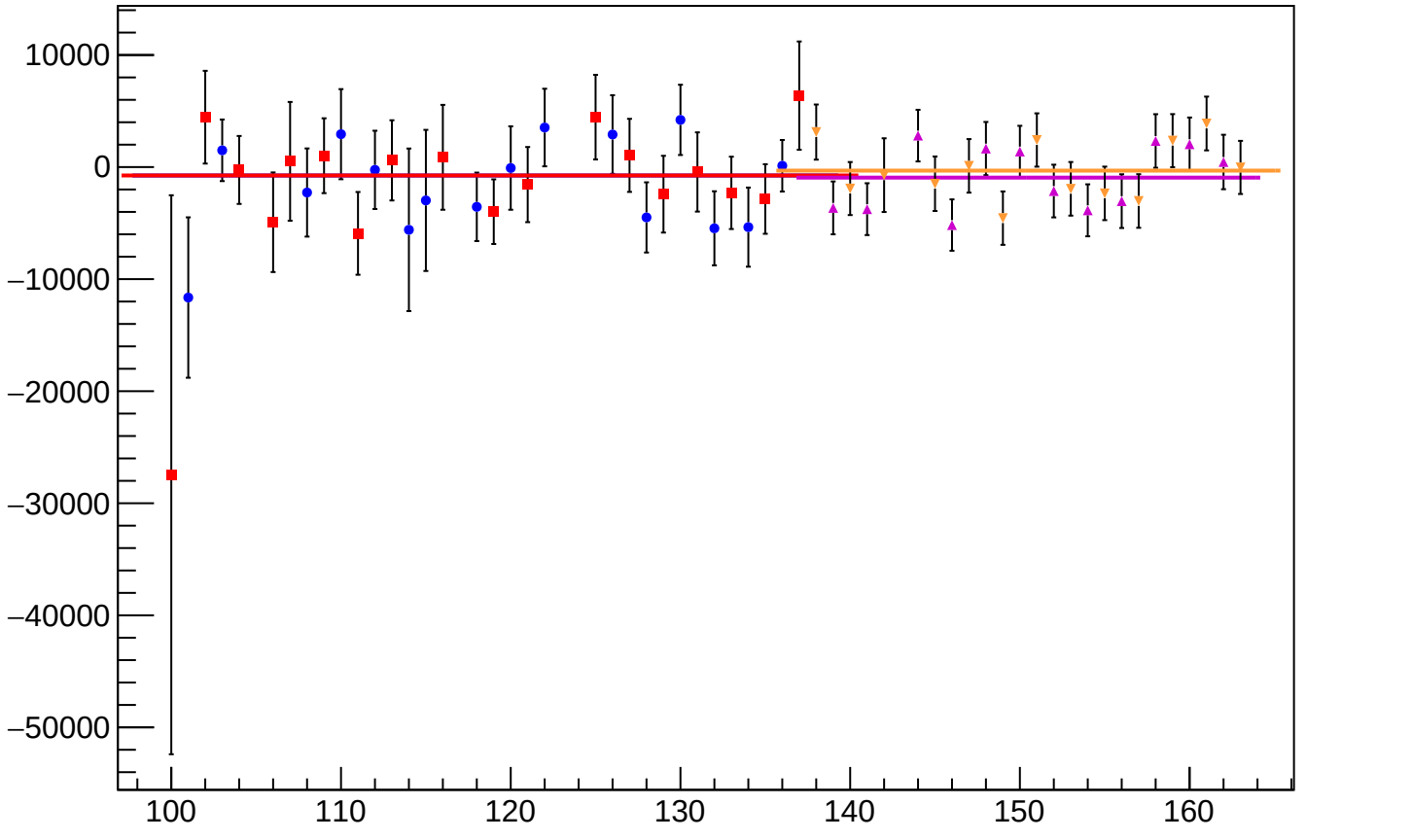
Left: 158.803+/-0.026 χ^2/NDF: 1569835.6/24

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.836+/-0.032 χ^2/NDF:5801421.5/27

Out: 155.636+/-0.030 χ^2/NDF:7093794.8/30

All: 161.942+/-0.022 χ^2/NDF: 12985308.6/58



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -316.221+/-675.874 χ^2/NDF:14.0/12

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -941.637+/-678.263 χ^2/NDF:17.4/11

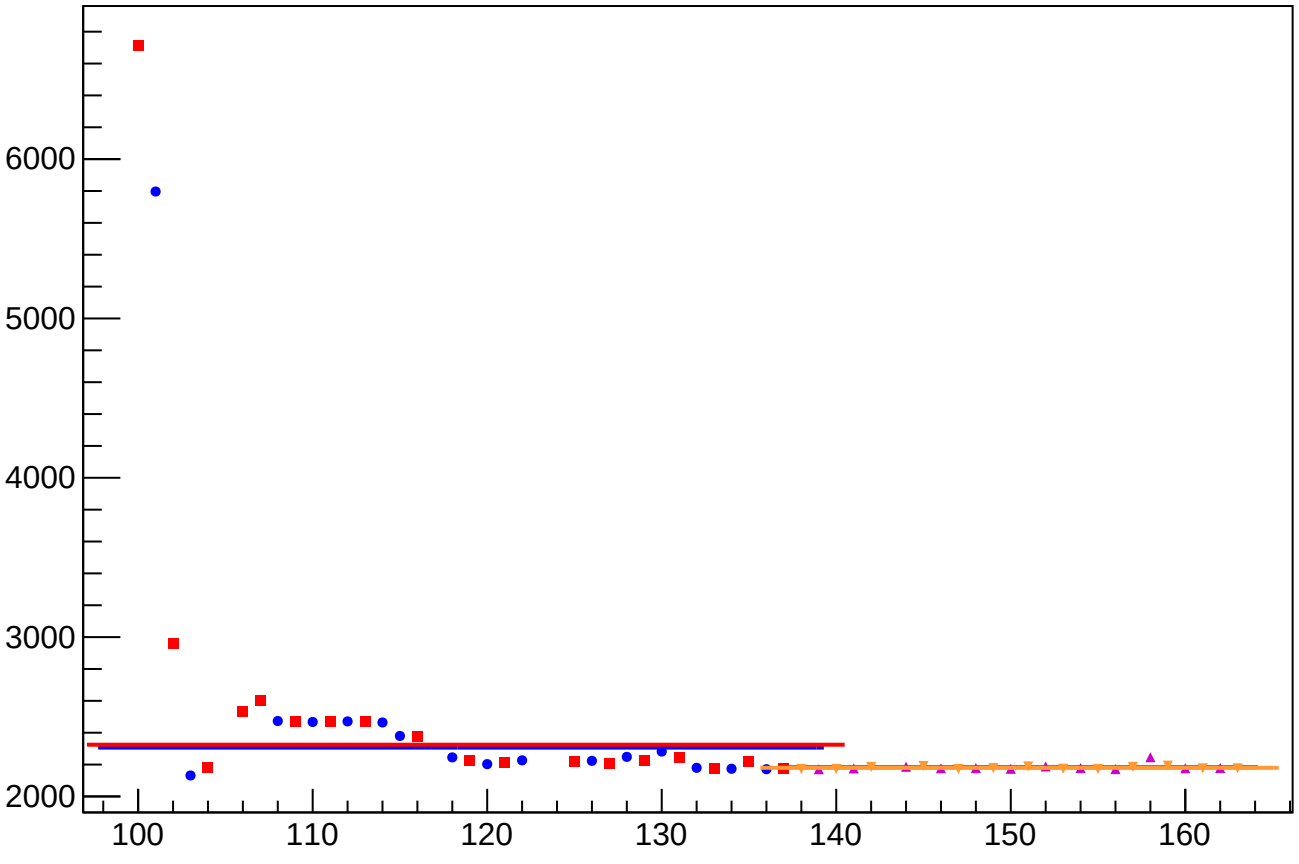
Left: -627.825+/-478.757 χ^2/NDF: 31.9/24

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -870.717+/-535.527 χ^2/NDF:33.3/27

Out: -479.374+/-533.592 χ^2/NDF:27.0/30

All: -674.337+/-377.989 χ^2/NDF: 60.6/58



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.648+/-0.478 χ^2/NDF:244.7/12

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2183.468+/-0.480 χ^2/NDF:1612.5/11

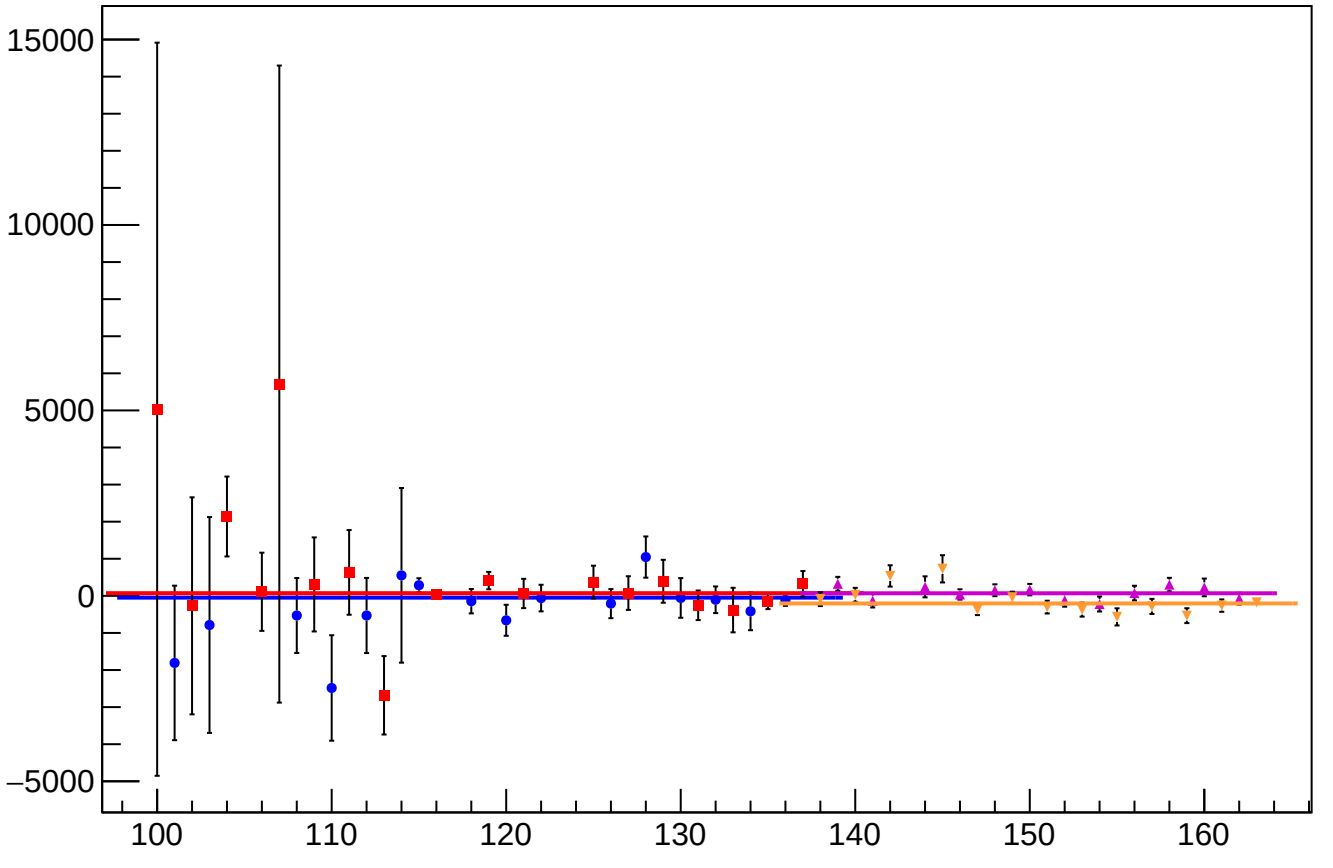
Left: 2181.551+/-0.339 χ^2/NDF: 1889.0/24

Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2229.856+/-0.379 χ^2/NDF:540603.7/27

Out: 2234.285+/-0.377 χ^2/NDF:188518.5/30

All: 2232.079+/-0.267 χ^2/NDF: 729190.9/58



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -205.000+/-50.408 χ^2/NDF:24.1/12

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 69.363+/-51.705 χ^2/NDF:10.3/11

Left: -71.303+/-36.094 χ^2/NDF: 48.9/24

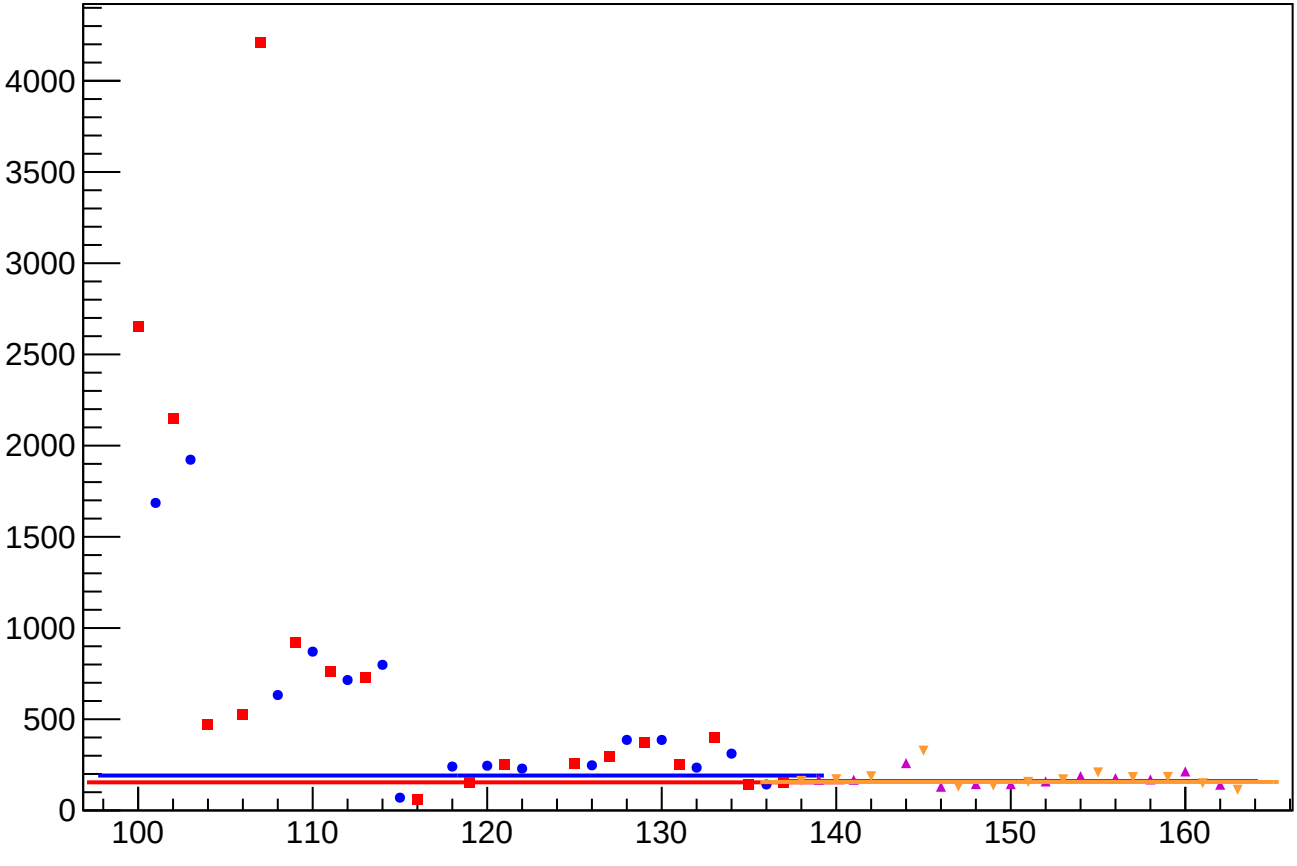
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 40.693+/-44.945 χ^2/NDF:25.9/27

Out: -129.409+/-42.989 χ^2/NDF:49.8/30

All: -48.141+/-31.066 χ^2/NDF: 83.2/58

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: 156.204+/-0.036 χ^2/NDF:984198.9/12

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 161.537+/-0.037 χ^2/NDF:574726.6/11

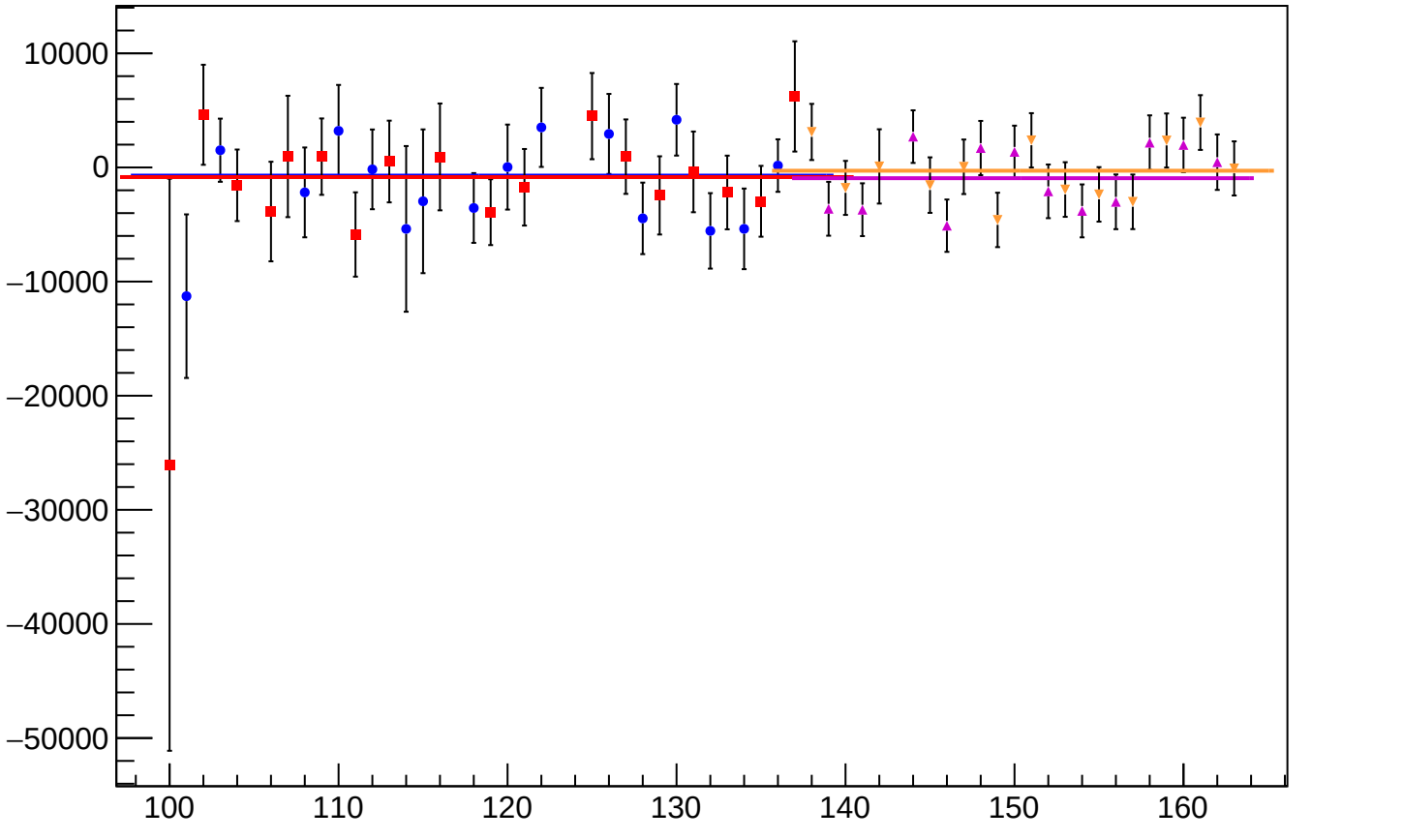
Left: 158.803+/-0.026 χ^2/NDF: 1569835.6/24

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 168.836+/-0.032 χ^2/NDF:5801421.5/27

Out: 155.636+/-0.030 χ^2/NDF:7093794.8/30

All: 161.942+/-0.022 χ^2/NDF: 12985308.6/58



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -286.044+/-675.787 χ^2/NDF:14.0/12

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -940.845+/-678.496 χ^2/NDF:16.8/11

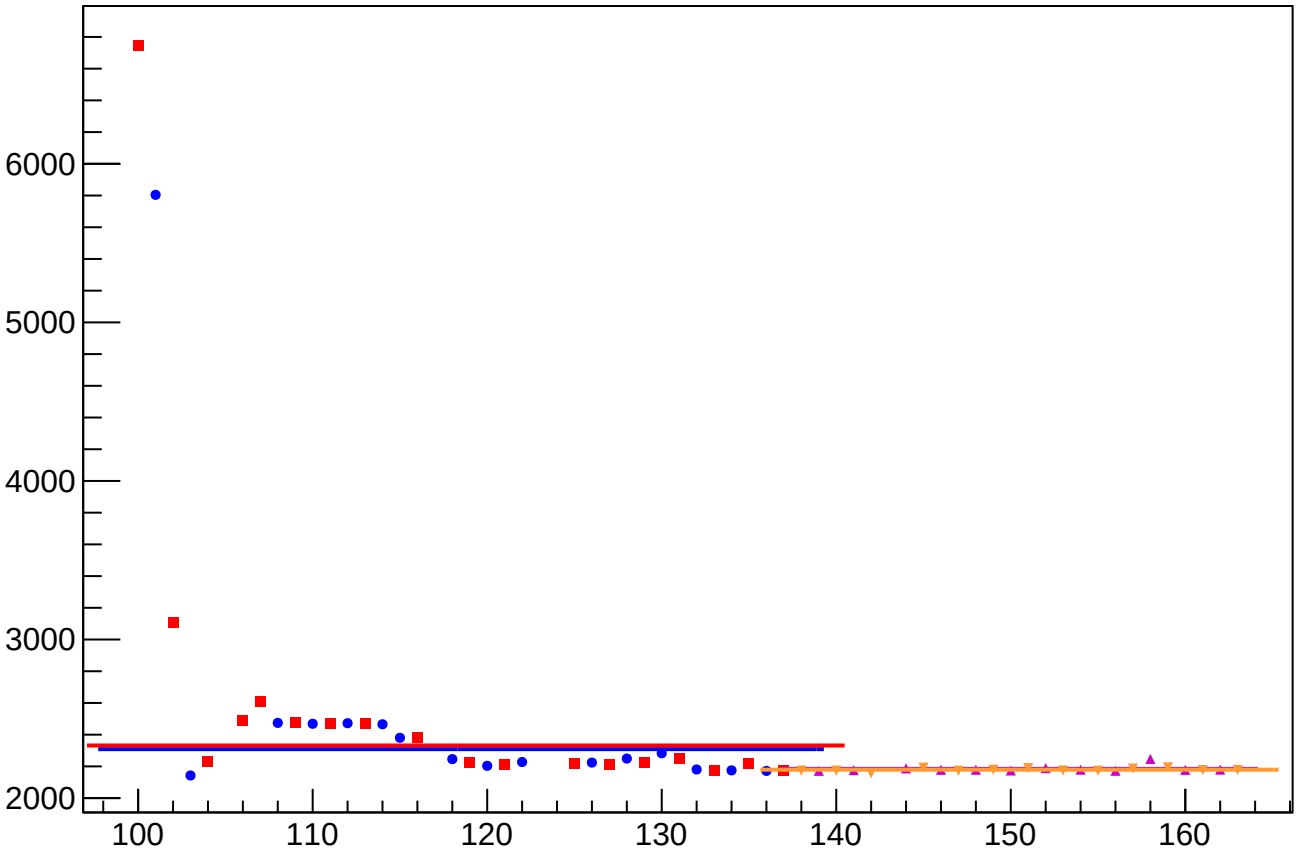
Left: -612.134+/-478.809 χ^2/NDF: 31.3/24

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -856.667+/-535.847 χ^2/NDF:32.7/27

Out: -494.244+/-534.520 χ^2/NDF:26.4/30

All: -675.006+/-378.431 χ^2/NDF: 59.3/58



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.119+/-0.478 χ^2/NDF:344.7/12

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2184.219+/-0.480 χ^2/NDF:1606.4/11

Left: 2181.659+/-0.339 χ^2/NDF: 2007.8/24

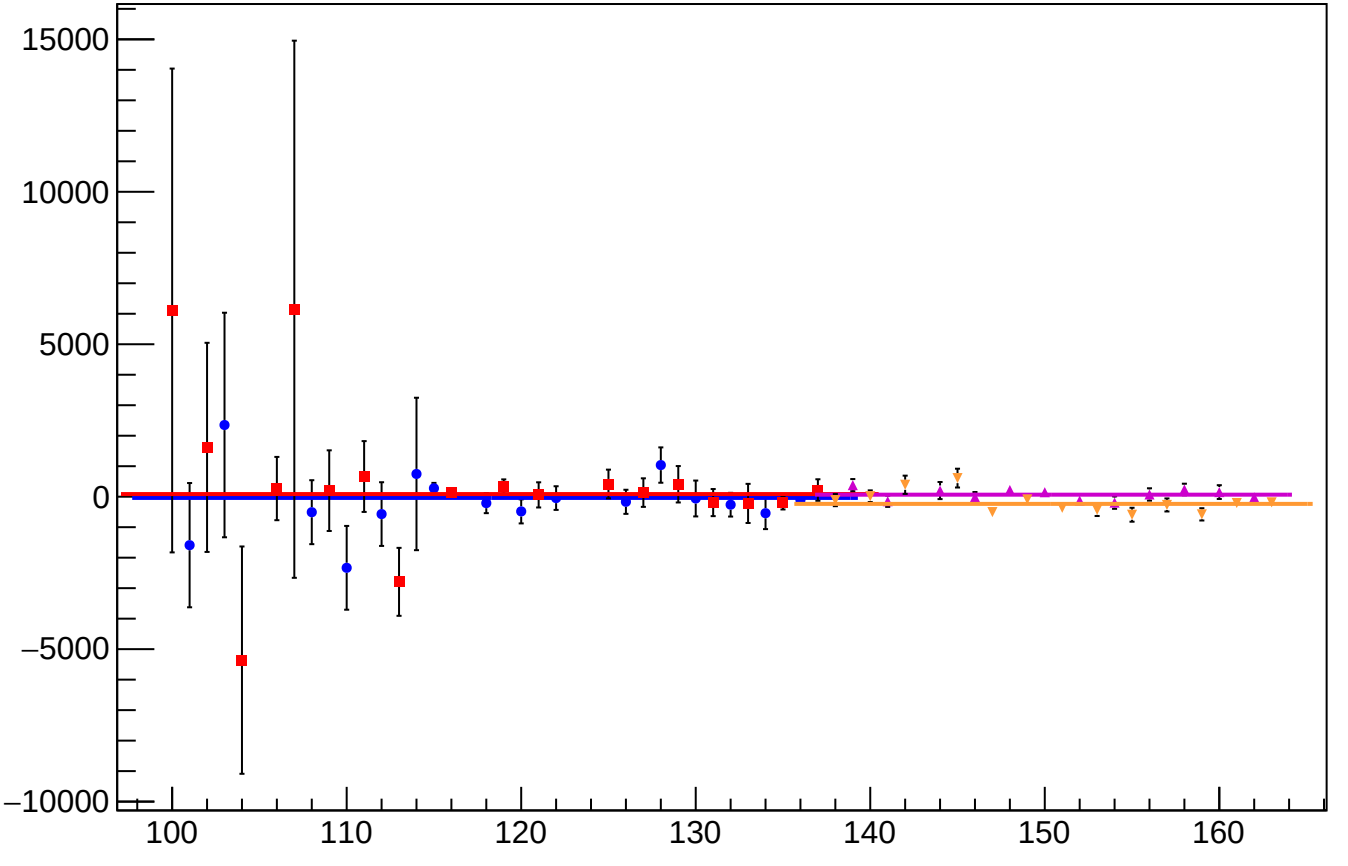
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2231.074+/-0.379 χ^2/NDF:540696.0/27

Out: 2236.299+/-0.378 χ^2/NDF:205911.7/30

All: 2233.693+/-0.268 χ^2/NDF: 746703.0/58

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -235.853+/-50.480 χ^2/NDF:25.1/12

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 66.284+/-52.553 χ^2/NDF:9.8/11

Left: -90.859+/-36.406 χ^2/NDF: 52.1/24

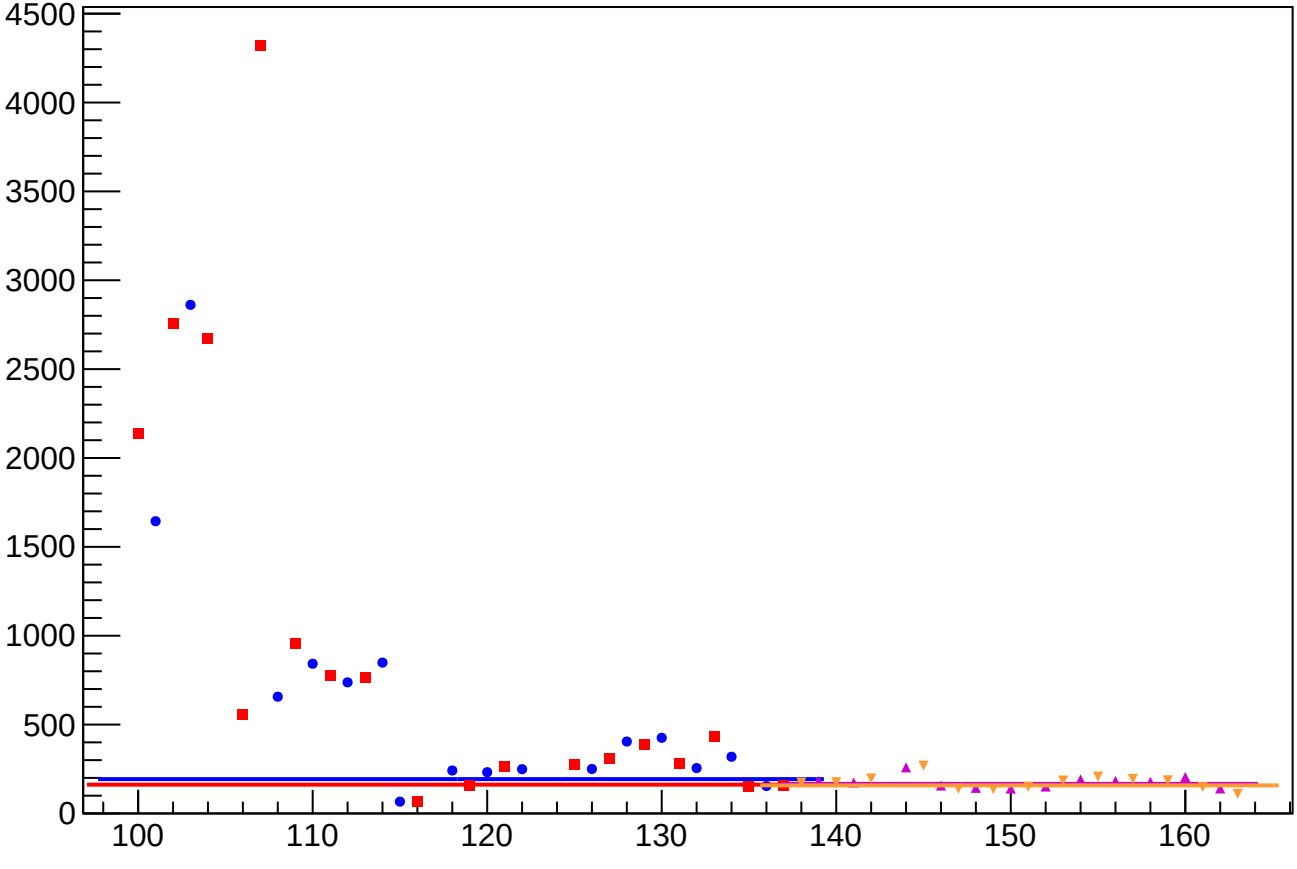
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 40.281+/-45.682 χ^2/NDF:24.8/27

Out: -153.405+/-43.546 χ^2/NDF:50.5/30

All: -61.196+/-31.520 χ^2/NDF: 84.8/58

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: 157.856+/-0.036 χ^2/NDF:938323.2/12

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 166.198+/-0.037 χ^2/NDF:526591.3/11

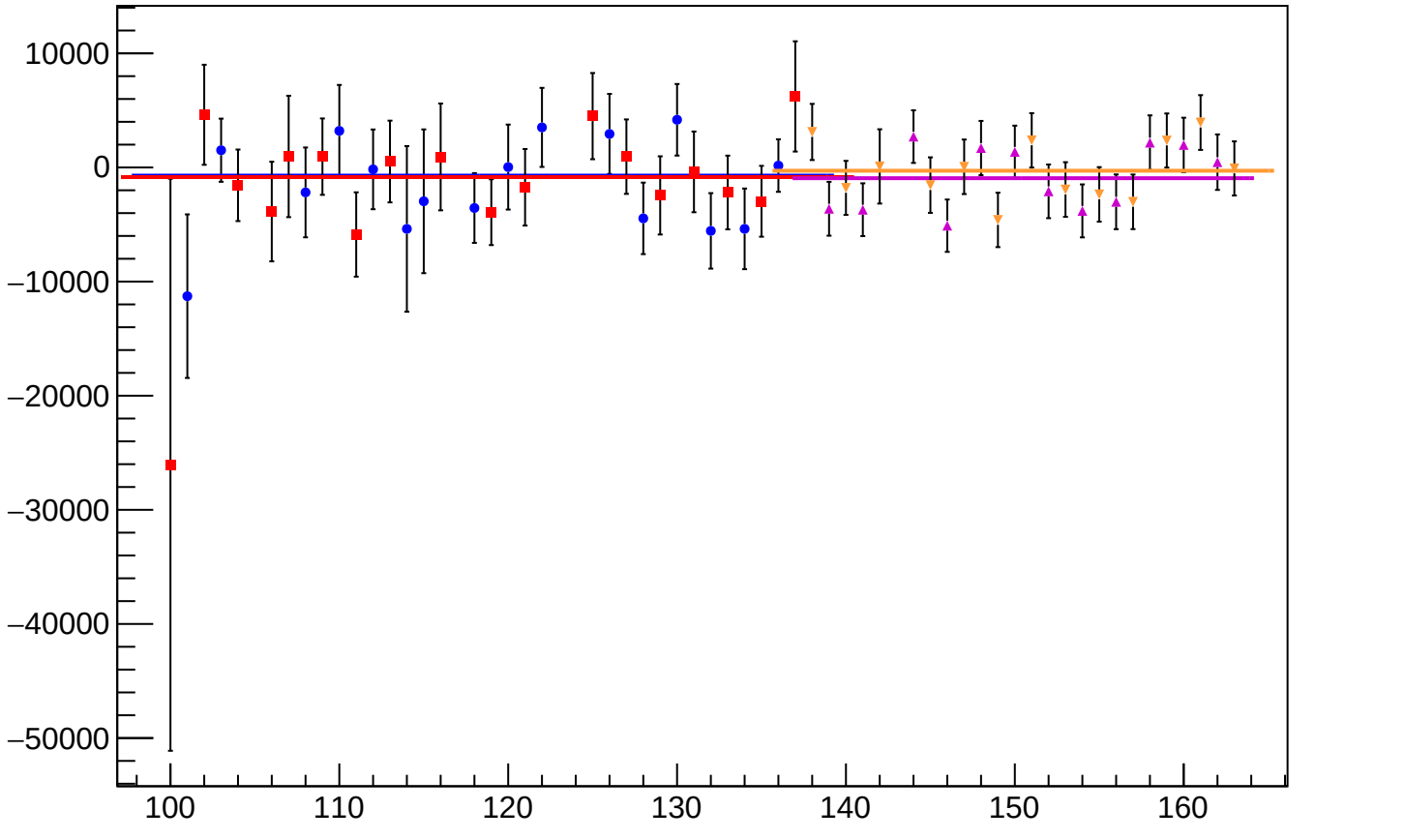
Left: 161.859+/-0.026 χ^2/NDF: 1491122.1/24

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 172.810+/-0.032 χ^2/NDF:6274002.6/27

Out: 158.945+/-0.031 χ^2/NDF:8012453.2/30

All: 165.546+/-0.022 χ^2/NDF: 14382974.5/58



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -286.046+/-675.787 χ^2/NDF:14.0/12

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -940.844+/-678.496 χ^2/NDF:16.8/11

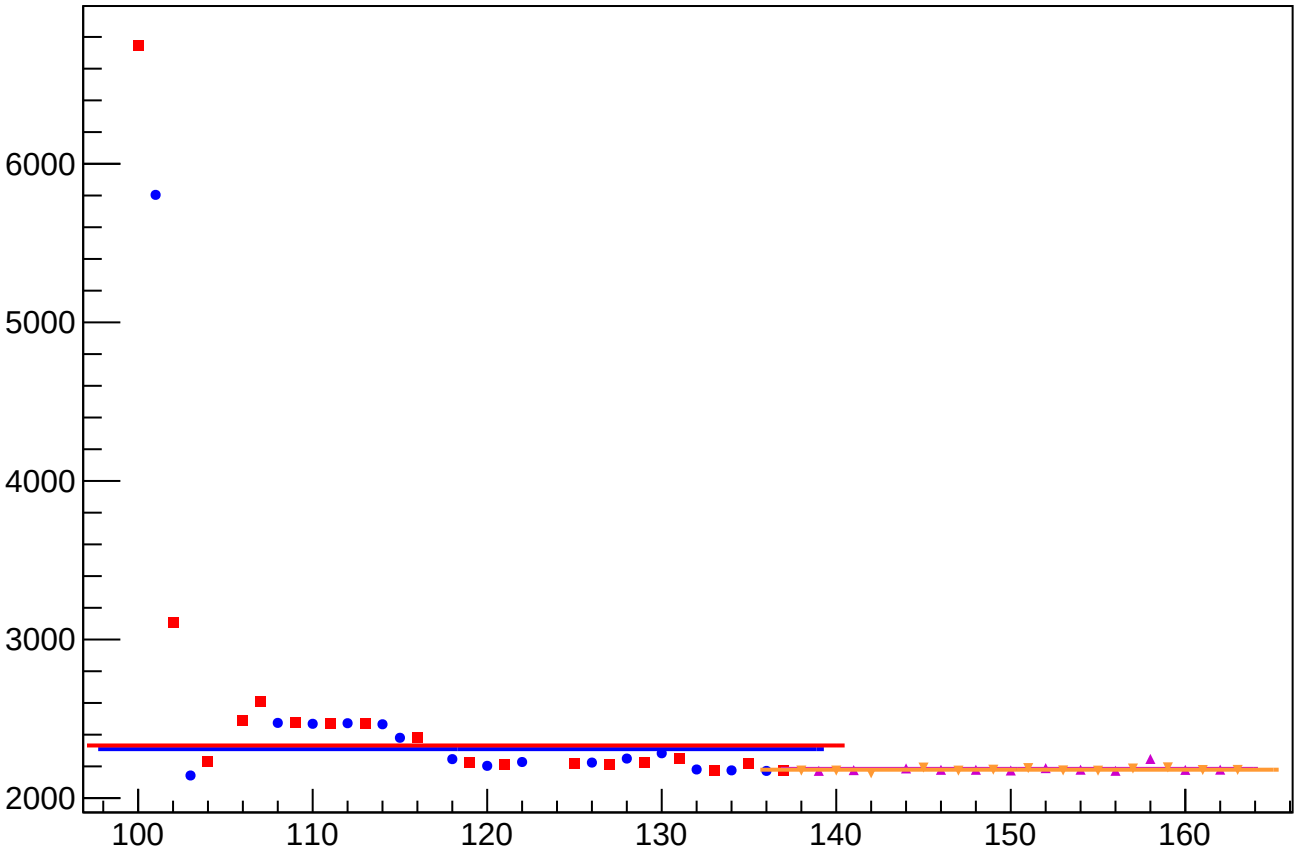
Left: -612.135+/-478.809 χ^2/NDF: 31.3/24

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -856.666+/-535.847 χ^2/NDF:32.7/27

Out: -494.245+/-534.520 χ^2/NDF:26.4/30

All: -675.007+/-378.431 χ^2/NDF: 59.3/58



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2179.119+/-0.478 χ^2/NDF:344.7/12

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2184.219+/-0.480 χ^2/NDF:1606.4/11

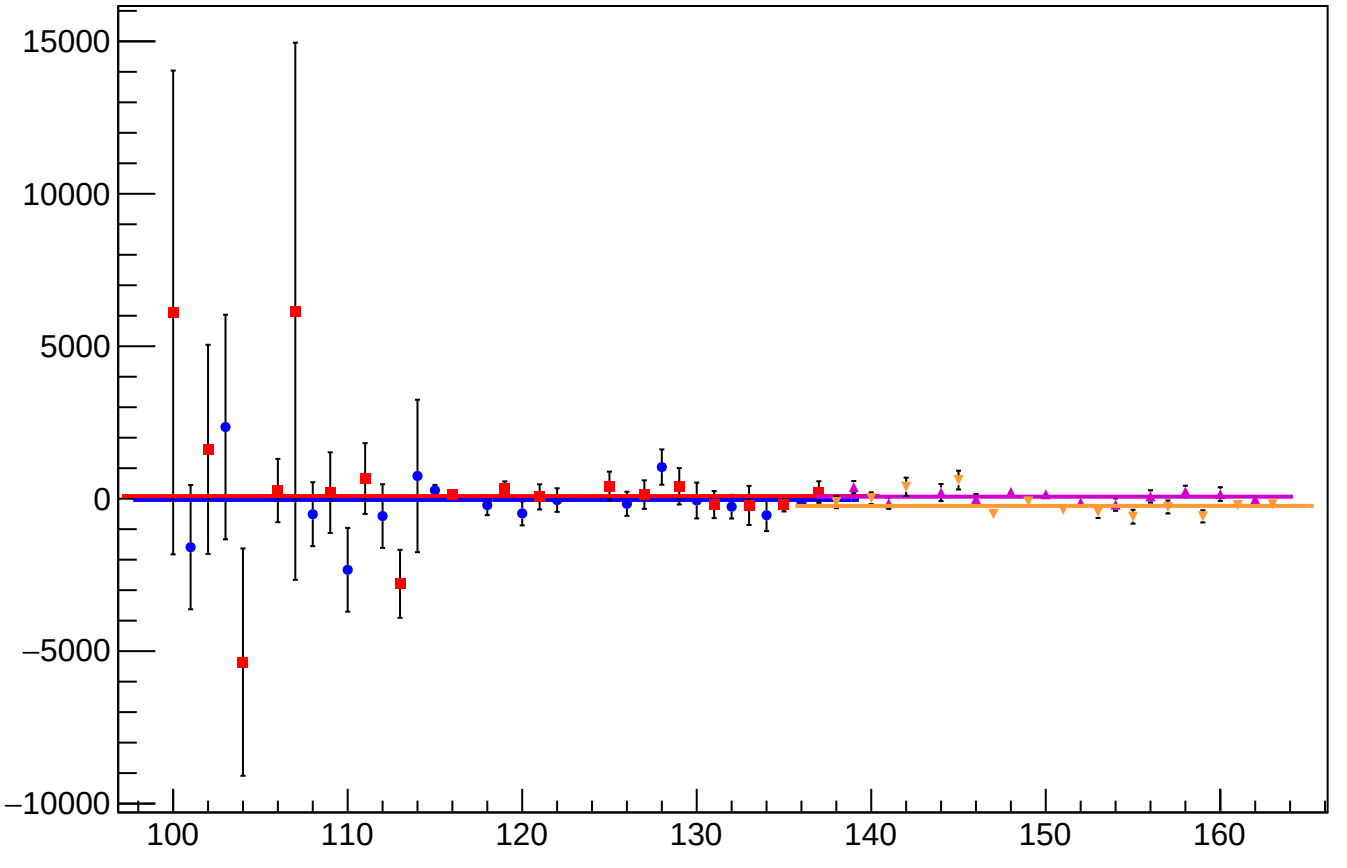
Left: 2181.659+/-0.339 χ^2/NDF: 2007.8/24

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

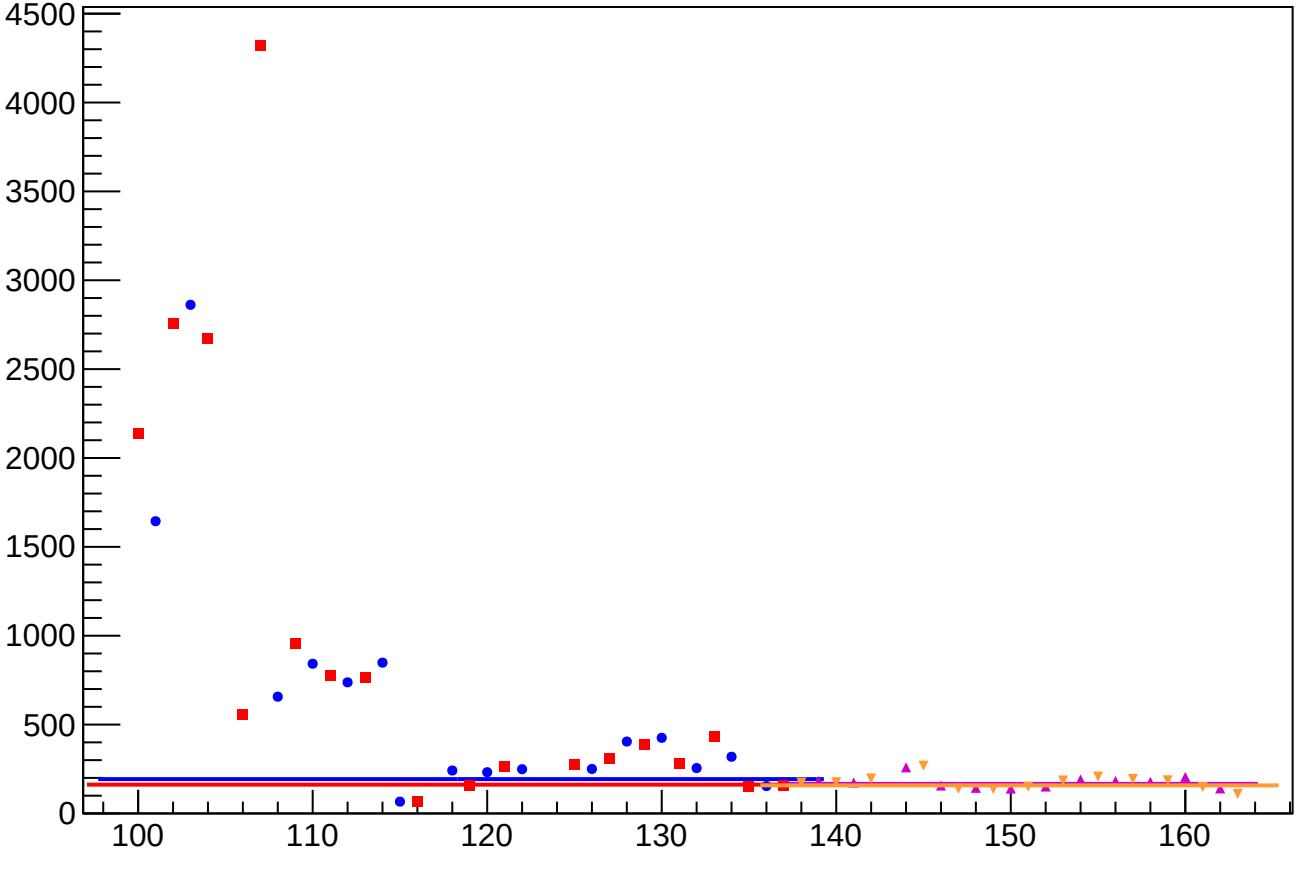
In: 2231.074+/-0.379 χ^2/NDF:540696.0/27

Out: 2236.299+/-0.378 χ^2/NDF:205911.6/30

All: 2233.693+/-0.268 χ^2/NDF: 746702.9/58


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -40.116+/-92.408 χ²/NDF: 14.1/15
Left Out: -235.854+/-50.480 χ²/NDF:25.1/12
Right Out: 86.380+/-86.087 χ²/NDF: 15.0/17
Left In: 66.283+/-52.553 χ²/NDF:9.8/11
Left: -90.861+/-36.406 χ²/NDF: 52.1/24
Right: 27.606+/-62.989 χ²/NDF: 30.0/33
In: 40.281+/-45.682 χ²/NDF:24.8/27
Out: -153.404+/-43.546 χ²/NDF:50.5/30
All: -61.197+/-31.520 χ²/NDF: 84.8/58

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: 157.856+/-0.036 χ^2/NDF:938355.9/12

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 166.198+/-0.037 χ^2/NDF:526594.2/11

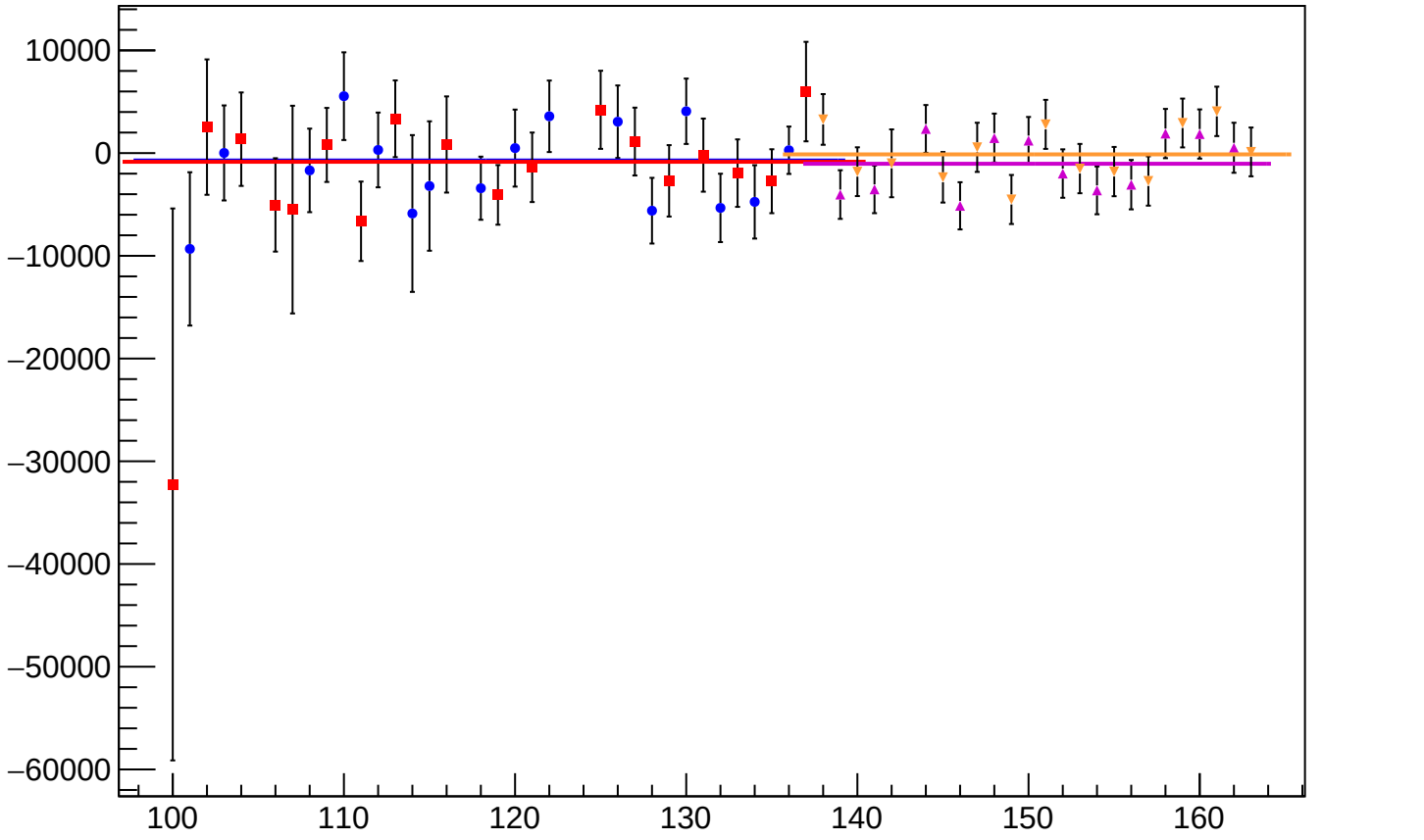
Left: 161.859+/-0.026 χ^2/NDF: 1491162.2/24

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 172.810+/-0.032 χ^2/NDF:6274018.2/27

Out: 158.945+/-0.031 χ^2/NDF:8012541.4/30

All: 165.546+/-0.022 χ^2/NDF: 14383088.1/58



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -124.032+/-678.528 χ^2/NDF:14.9/12

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1037.968+/-680.854 χ^2/NDF:15.6/11

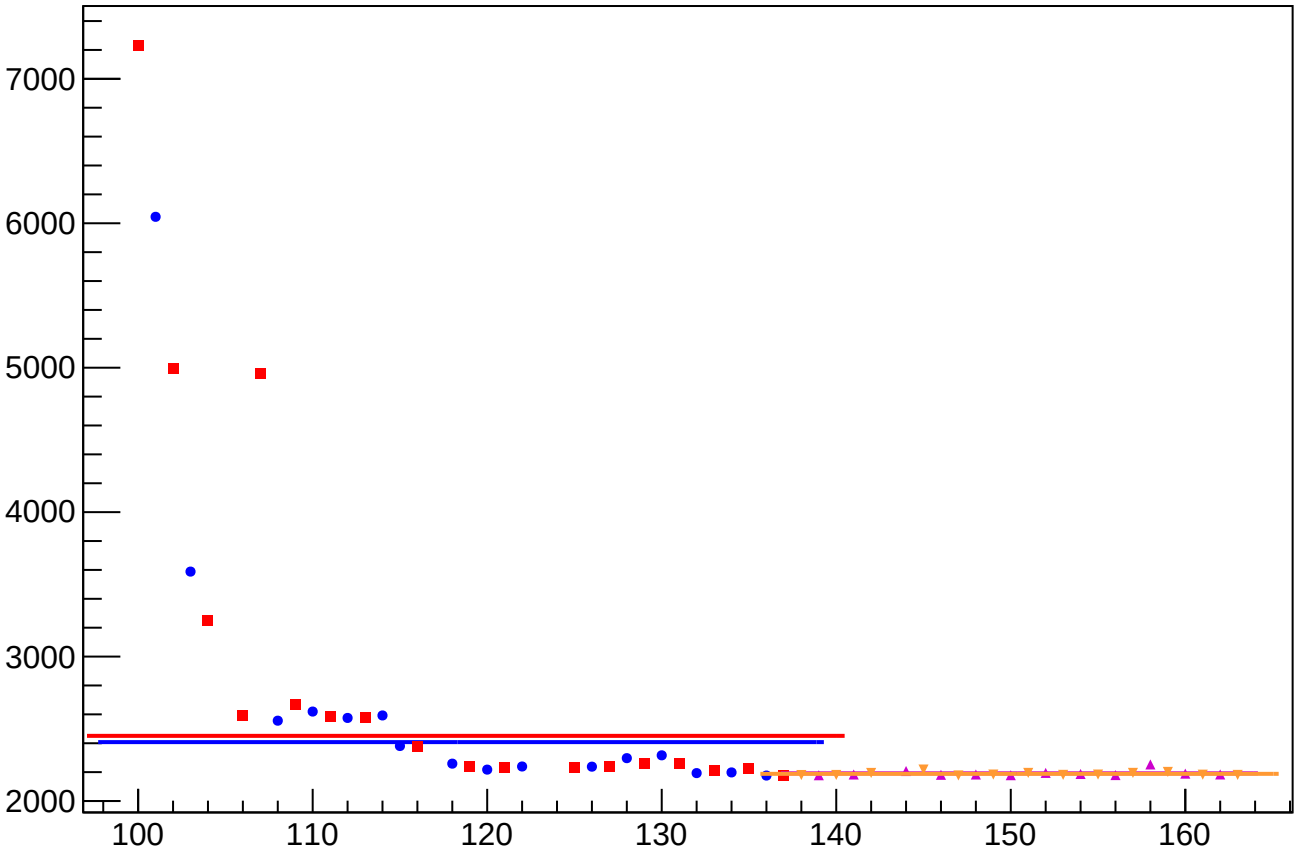
Left: -579.436+/-480.612 χ^2/NDF: 31.4/24

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -924.695+/-546.486 χ^2/NDF:31.5/27

Out: -374.882+/-547.876 χ^2/NDF:28.3/30

All: -650.486+/-386.915 χ^2/NDF: 60.3/58



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.192+/-0.480 χ^2/NDF:545.8/12

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2191.801+/-0.481 χ^2/NDF:1703.8/11

Left: 2189.990+/-0.340 χ^2/NDF: 2277.8/24

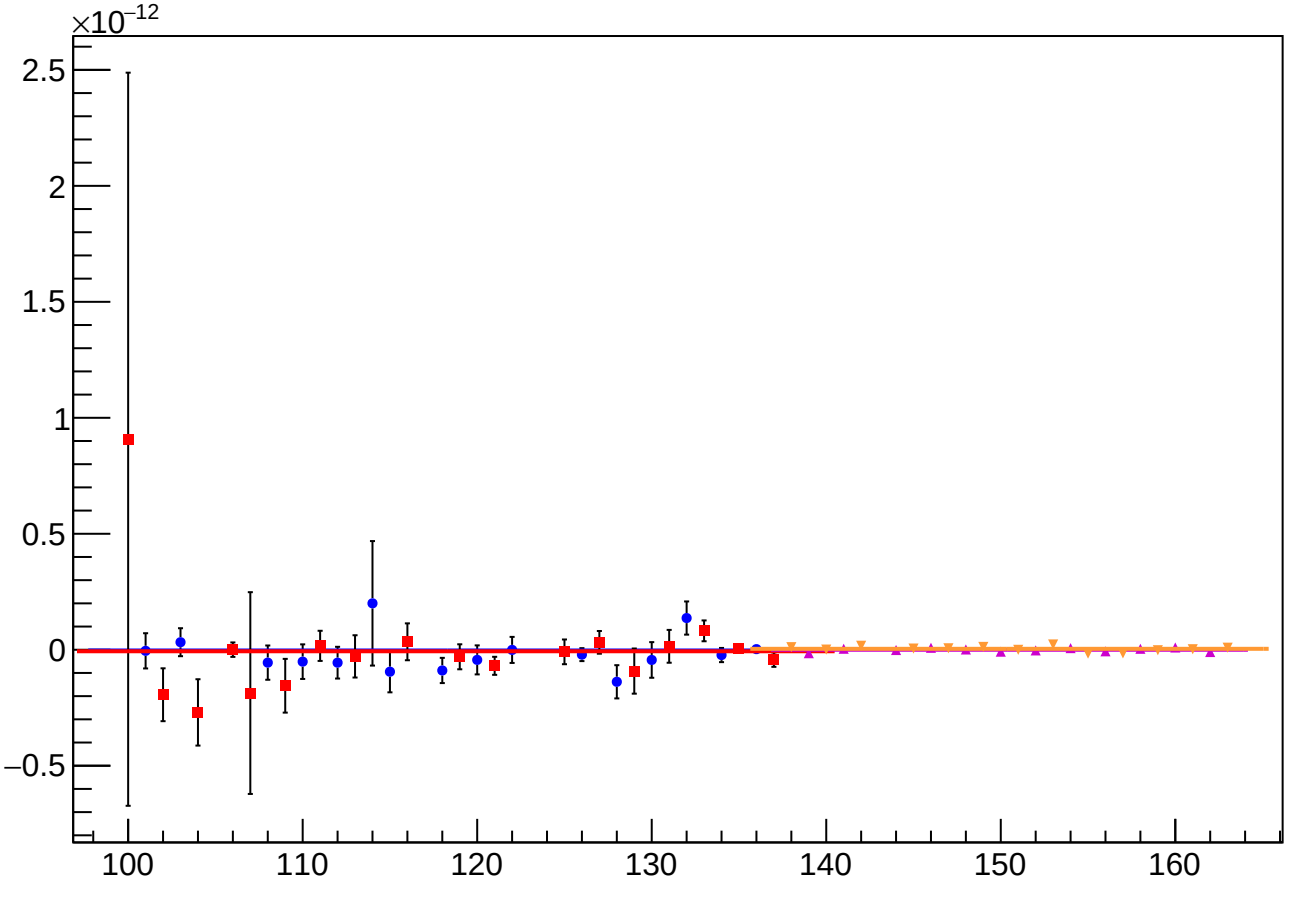
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2268.642+/-0.386 χ^2/NDF:750202.4/27

Out: 2279.722+/-0.387 χ^2/NDF:738716.7/30

All: 2274.168+/-0.274 χ^2/NDF: 1489329.1/58

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:11.1/11

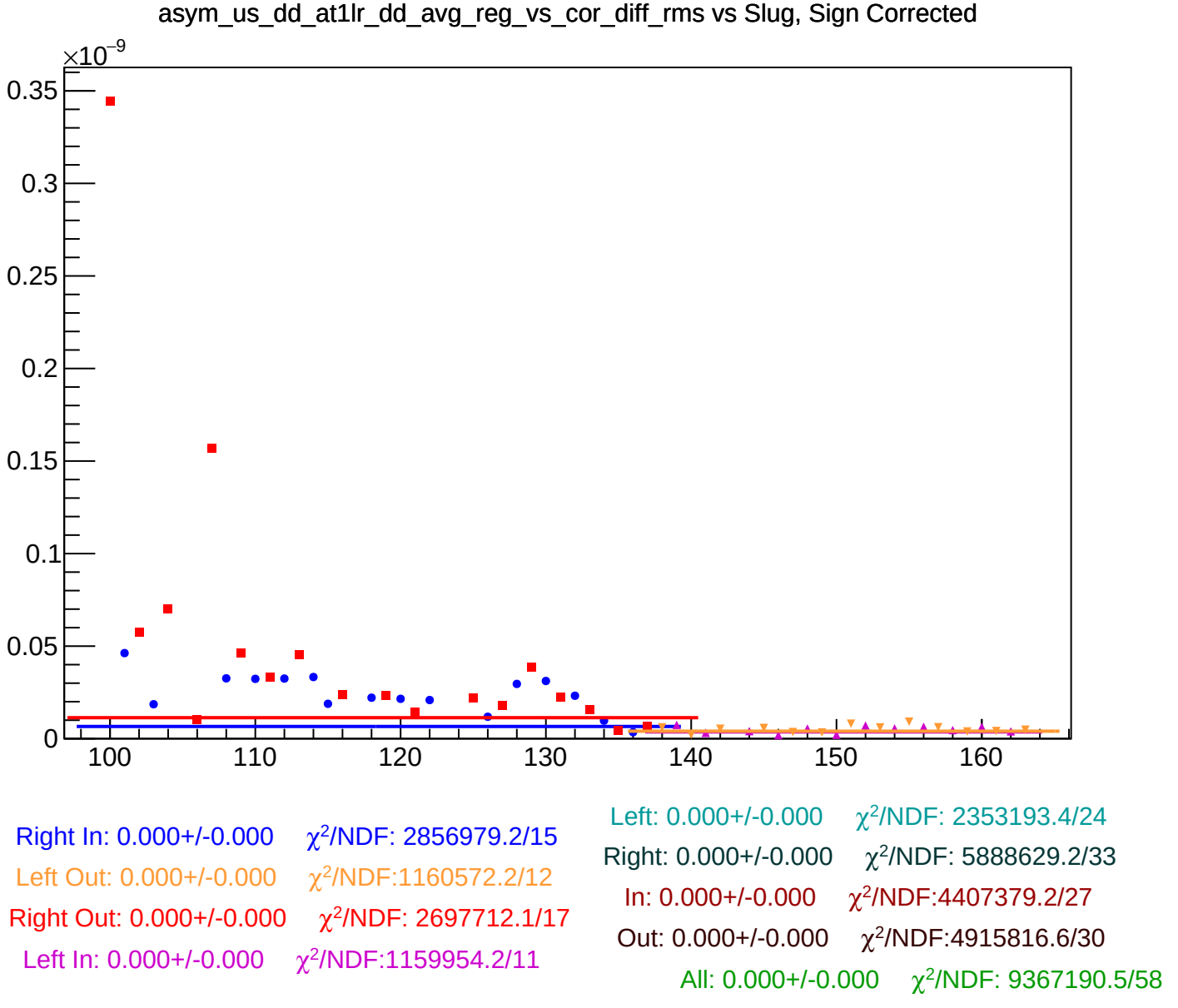
Left: 0.000+/-0.000 χ^2/NDF: 24.3/24

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

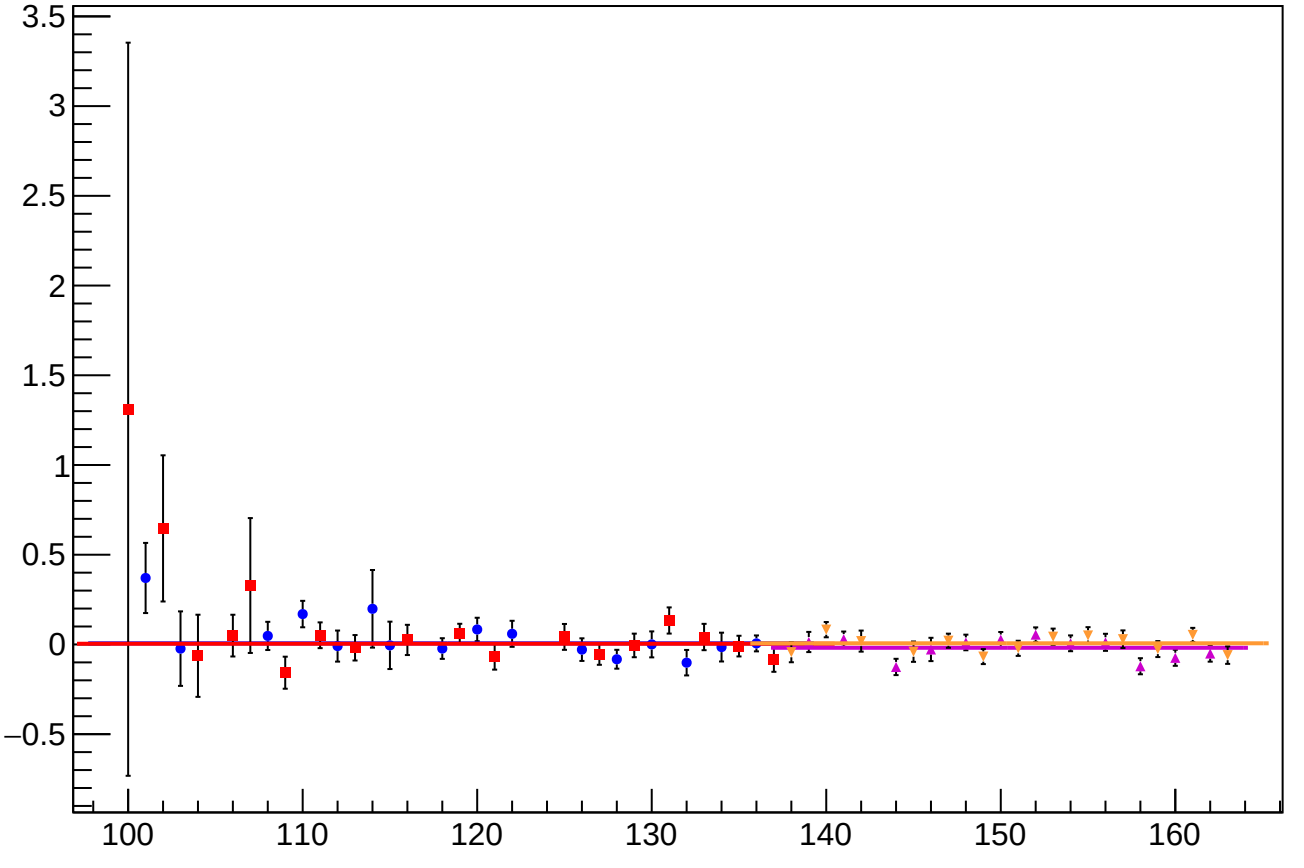
In: -0.000+/-0.000 χ^2/NDF:26.9/27

Out: 0.000+/-0.000 χ^2/NDF:31.6/30

All: 0.000+/-0.000 χ^2/NDF: 60.0/58


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1160572.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1159954.2/11
Left: 0.000+/-0.000 χ²/NDF: 2353193.4/24
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:4407379.2/27
Out: 0.000+/-0.000 χ²/NDF:4915816.6/30
All: 0.000+/-0.000 χ²/NDF: 9367190.5/58

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.013 χ^2/NDF:20.1/11

Left: -0.006+/-0.009 χ^2/NDF: 36.0/24

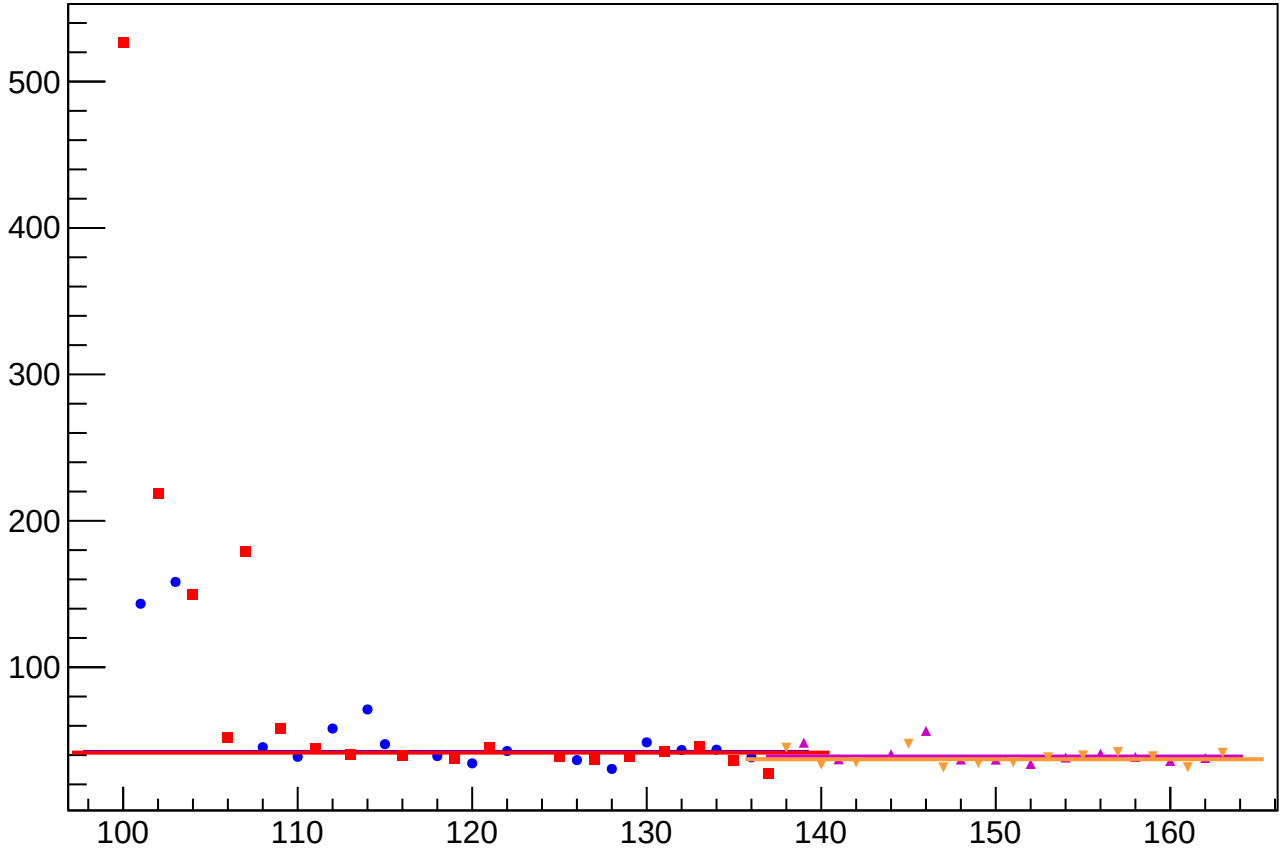
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.010+/-0.011 χ^2/NDF:38.6/27

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.002+/-0.007 χ^2/NDF: 69.9/58

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.177+/-0.009 χ^2/NDF:266025.5/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.019+/-0.009 χ^2/NDF:262469.7/11

Left: 38.062+/-0.006 χ^2/NDF: 548699.6/24

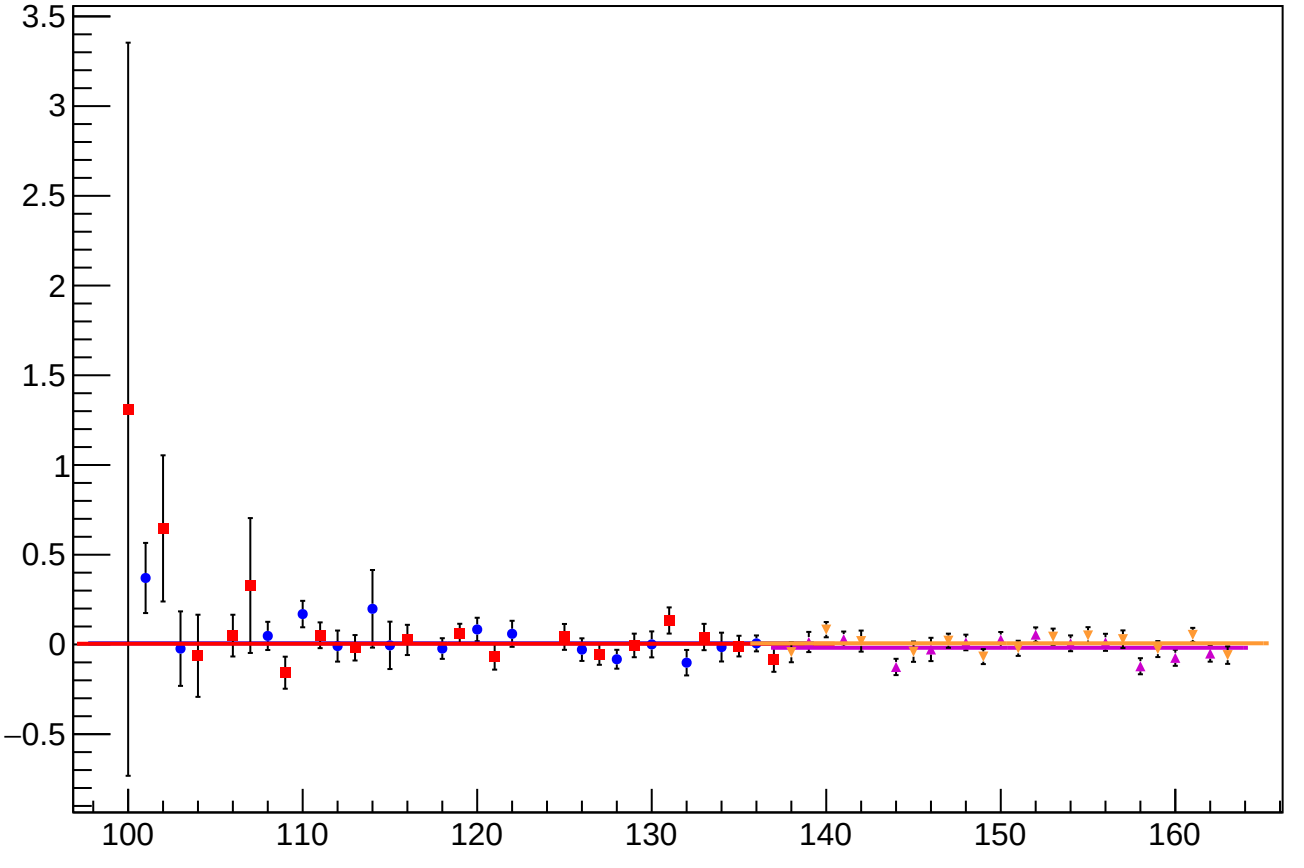
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.100+/-0.008 χ^2/NDF:1755823.1/27

Out: 38.615+/-0.007 χ^2/NDF:1787646.5/30

All: 39.342+/-0.005 χ^2/NDF: 3563129.9/58

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.013 χ^2/NDF:20.1/11

Left: -0.006+/-0.009 χ^2/NDF: 36.0/24

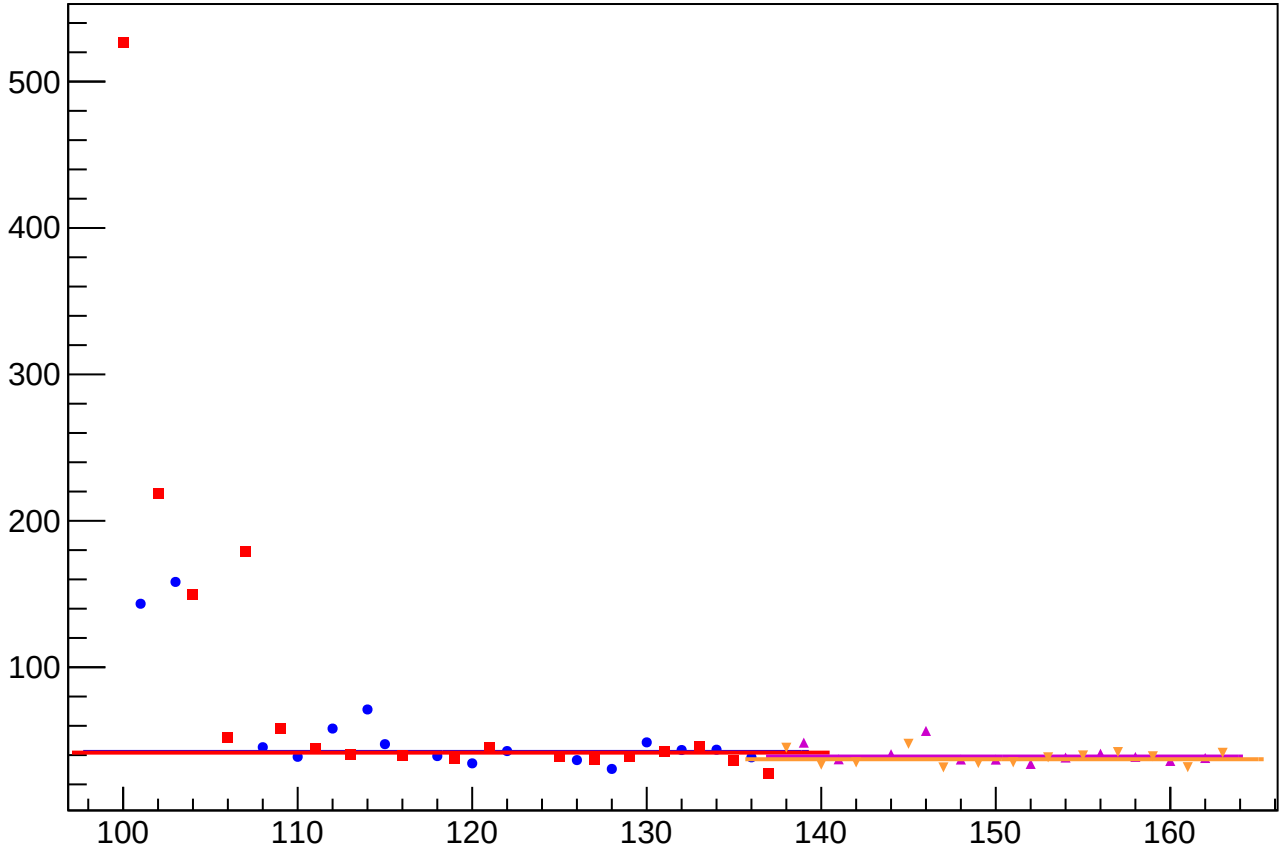
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.010+/-0.011 χ^2/NDF:38.6/27

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.002+/-0.007 χ^2/NDF: 69.9/58

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.177+/-0.009 χ^2/NDF:266025.5/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.019+/-0.009 χ^2/NDF:262469.7/11

Left: 38.062+/-0.006 χ^2/NDF: 548699.6/24

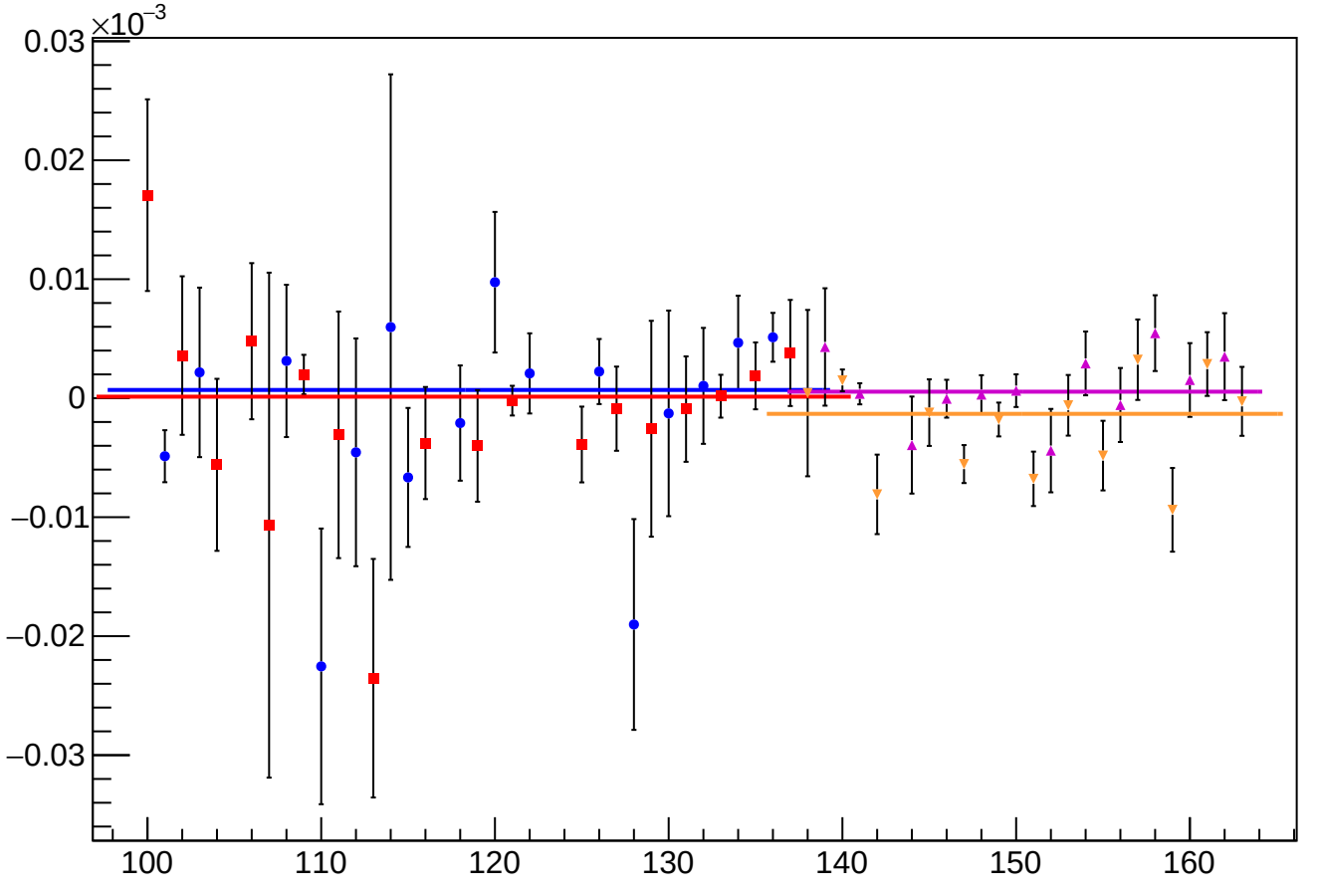
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.100+/-0.008 χ^2/NDF:1755823.1/27

Out: 38.615+/-0.007 χ^2/NDF:1787646.5/30

All: 39.342+/-0.005 χ^2/NDF: 3563129.9/58

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.5/12

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:8.0/11

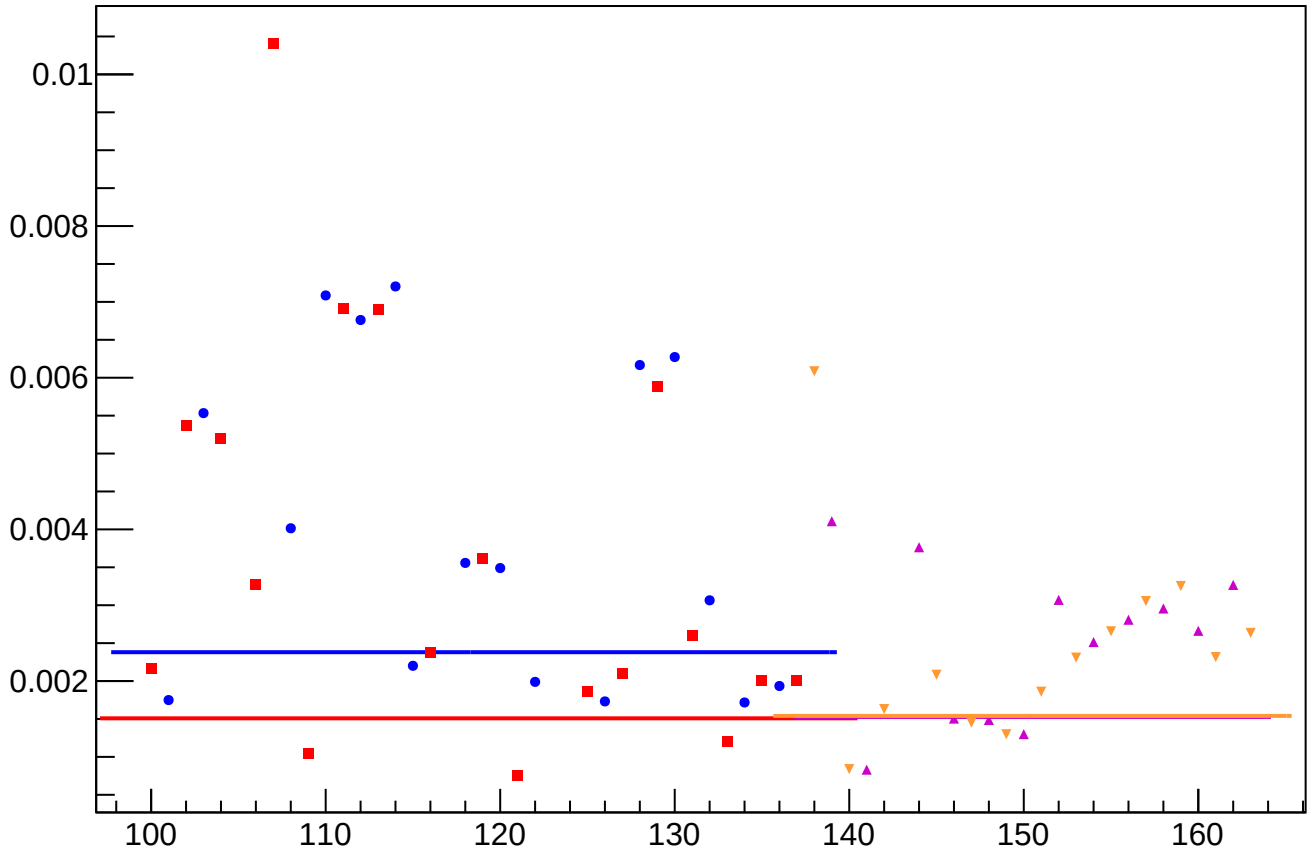
Left: -0.000+/-0.000 χ^2/NDF: 51.2/24

Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:34.5/27

Out: -0.000+/-0.000 χ^2/NDF:57.5/30

All: -0.000+/-0.000 χ^2/NDF: 96.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:3996304.1/12

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4558007.6/11

Left: 0.002+/-0.000 χ^2/NDF: 8554951.4/24

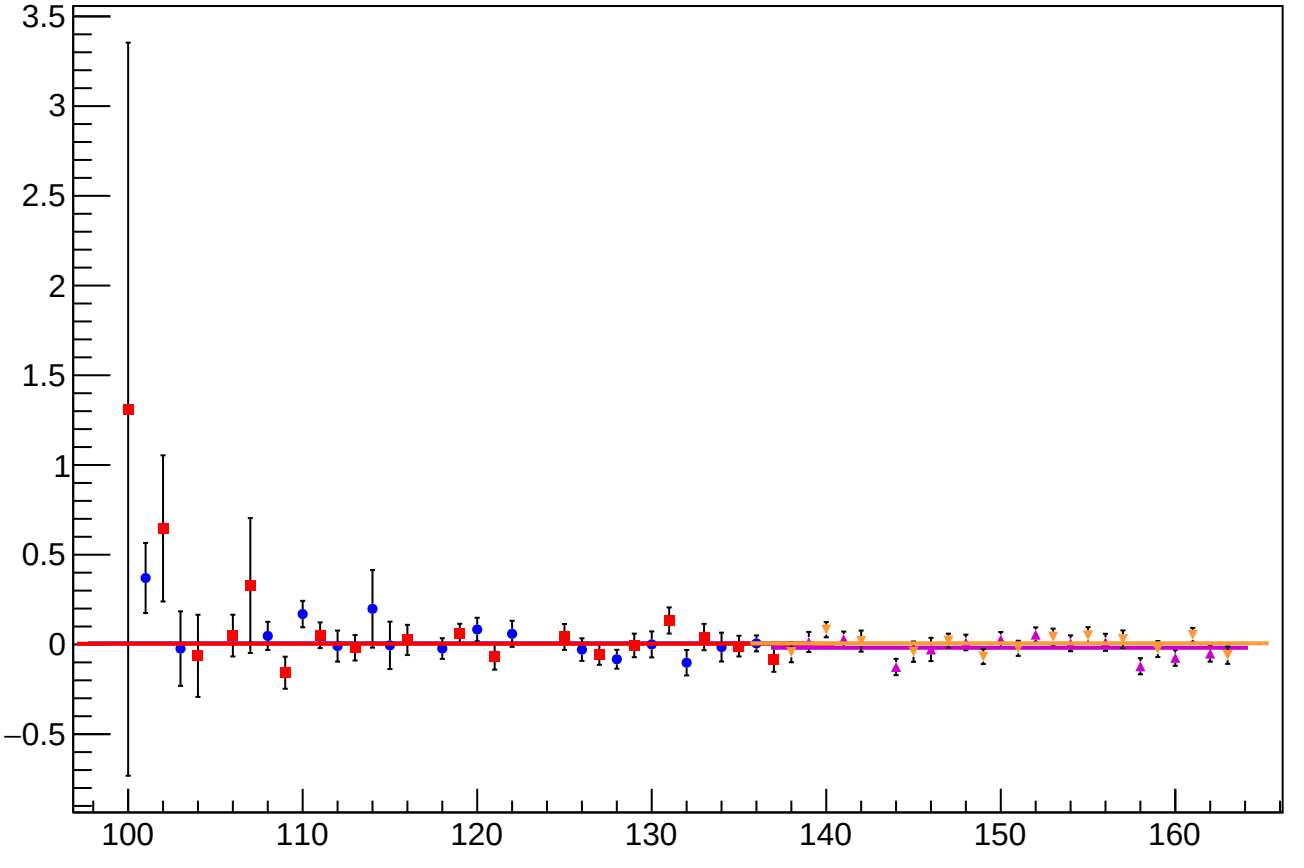
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:8478336.6/27

Out: 0.002+/-0.000 χ^2/NDF:9000452.4/30

All: 0.002+/-0.000 χ^2/NDF: 17650765.6/58

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.013 χ^2/NDF:20.1/11

Left: -0.006+/-0.009 χ^2/NDF: 36.0/24

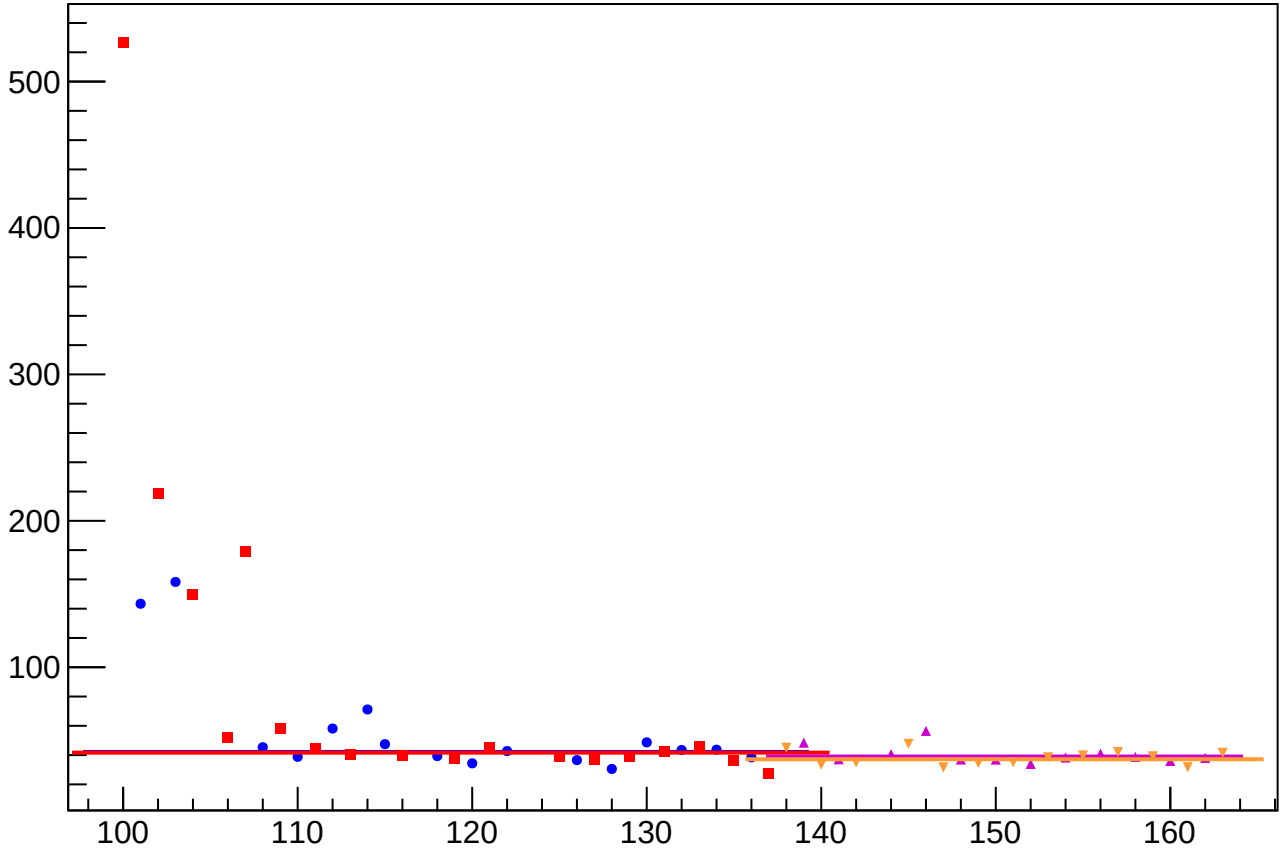
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.010+/-0.011 χ^2/NDF:38.6/27

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.002+/-0.007 χ^2/NDF: 69.9/58

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.178+/-0.009 χ^2/NDF:266007.8/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.019+/-0.009 χ^2/NDF:262501.2/11

Left: 38.063+/-0.006 χ^2/NDF: 548709.8/24

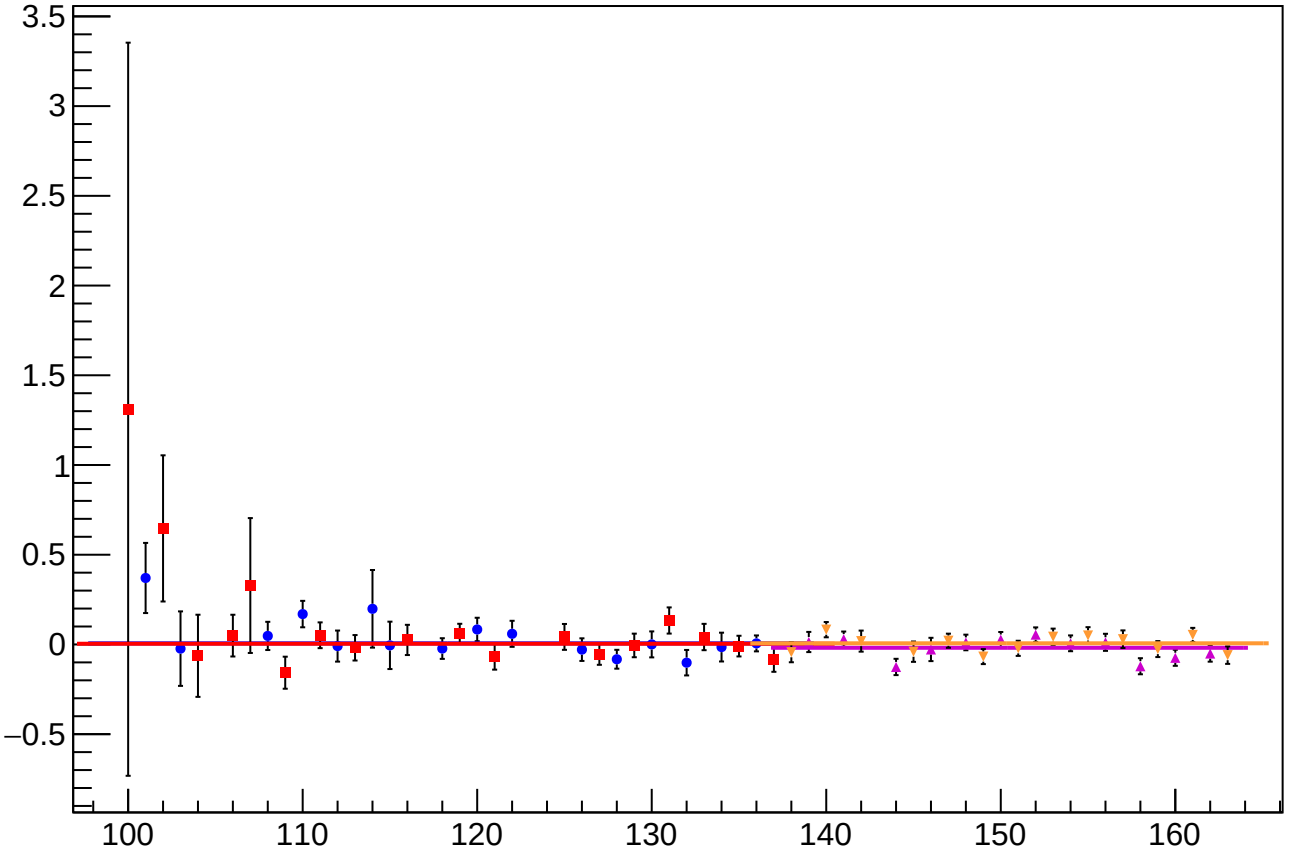
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.099+/-0.008 χ^2/NDF:1756011.4/27

Out: 38.615+/-0.007 χ^2/NDF:1787621.8/30

All: 39.342+/-0.005 χ^2/NDF: 3563266.4/58

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: 0.006+/-0.013 χ^2/NDF:14.0/12

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.019+/-0.013 χ^2/NDF:20.1/11

Left: -0.006+/-0.009 χ^2/NDF: 36.0/24

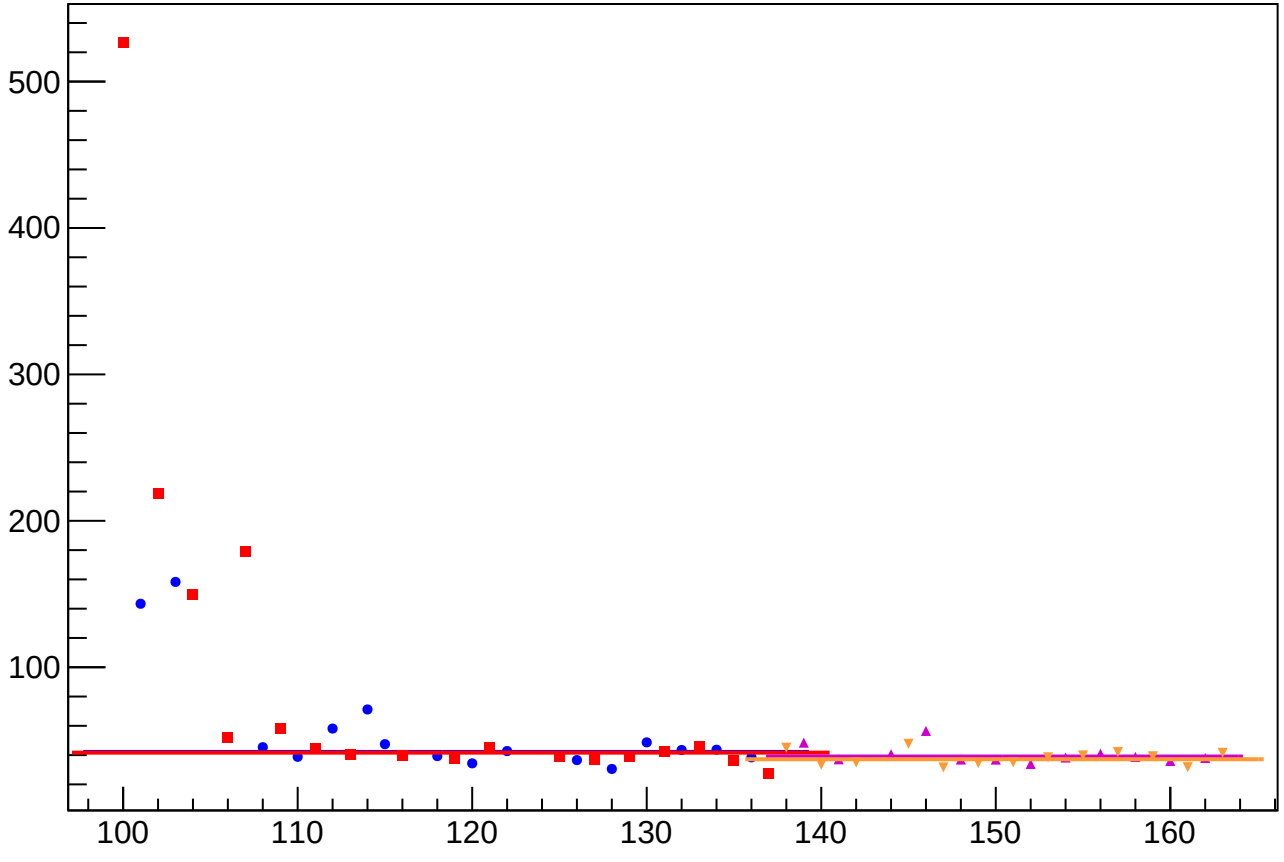
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.010+/-0.011 χ^2/NDF:38.6/27

Out: 0.006+/-0.010 χ^2/NDF:30.2/30

All: -0.002+/-0.007 χ^2/NDF: 69.9/58

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.178+/-0.009 χ^2/NDF:266007.8/12

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.019+/-0.009 χ^2/NDF:262501.2/11

Left: 38.063+/-0.006 χ^2/NDF: 548709.8/24

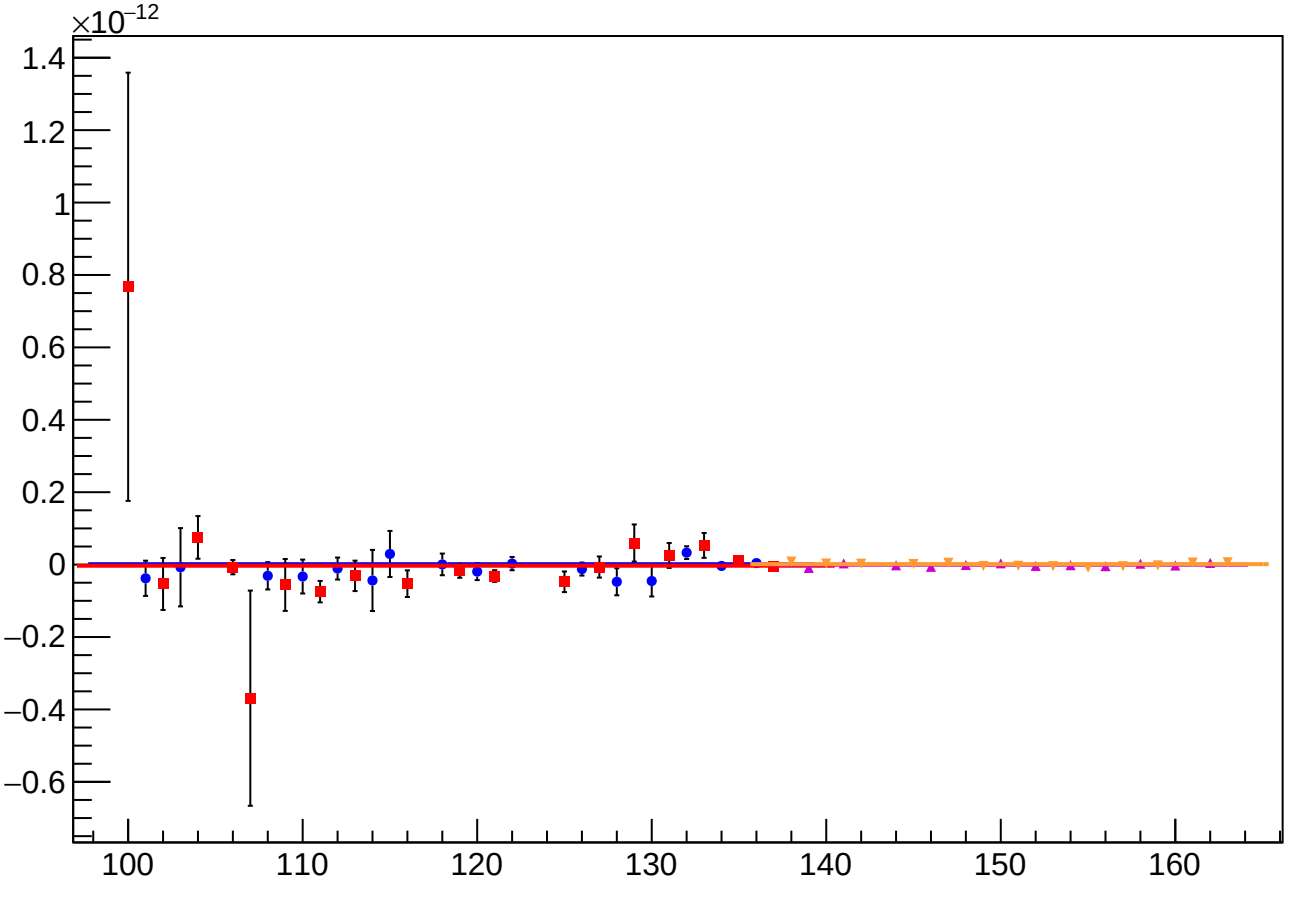
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.099+/-0.008 χ^2/NDF:1756011.4/27

Out: 38.615+/-0.007 χ^2/NDF:1787621.8/30

All: 39.342+/-0.005 χ^2/NDF: 3563266.4/58

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:11.2/12

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:7.7/11

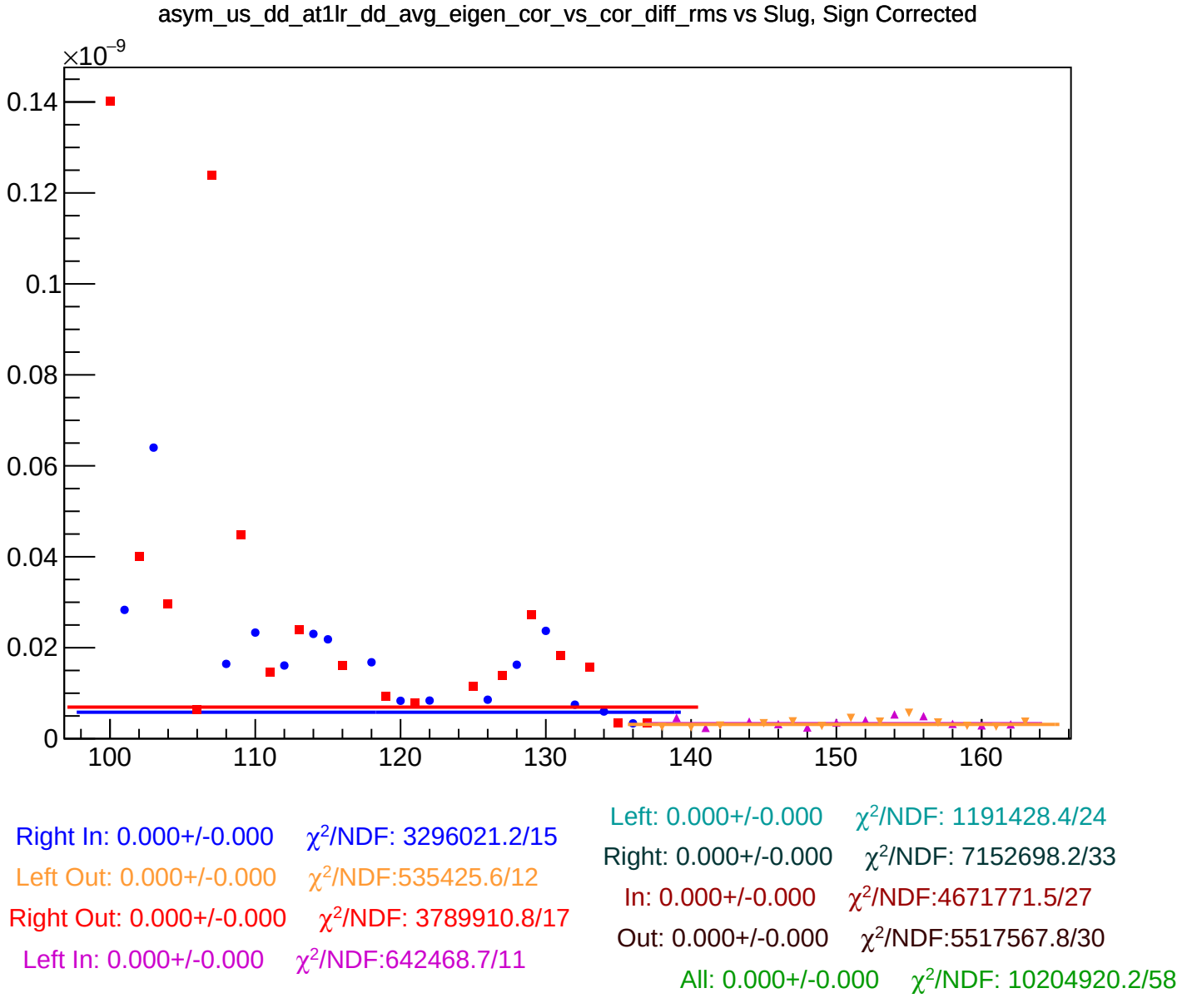
Left: 0.000+/-0.000 χ^2/NDF: 19.5/24

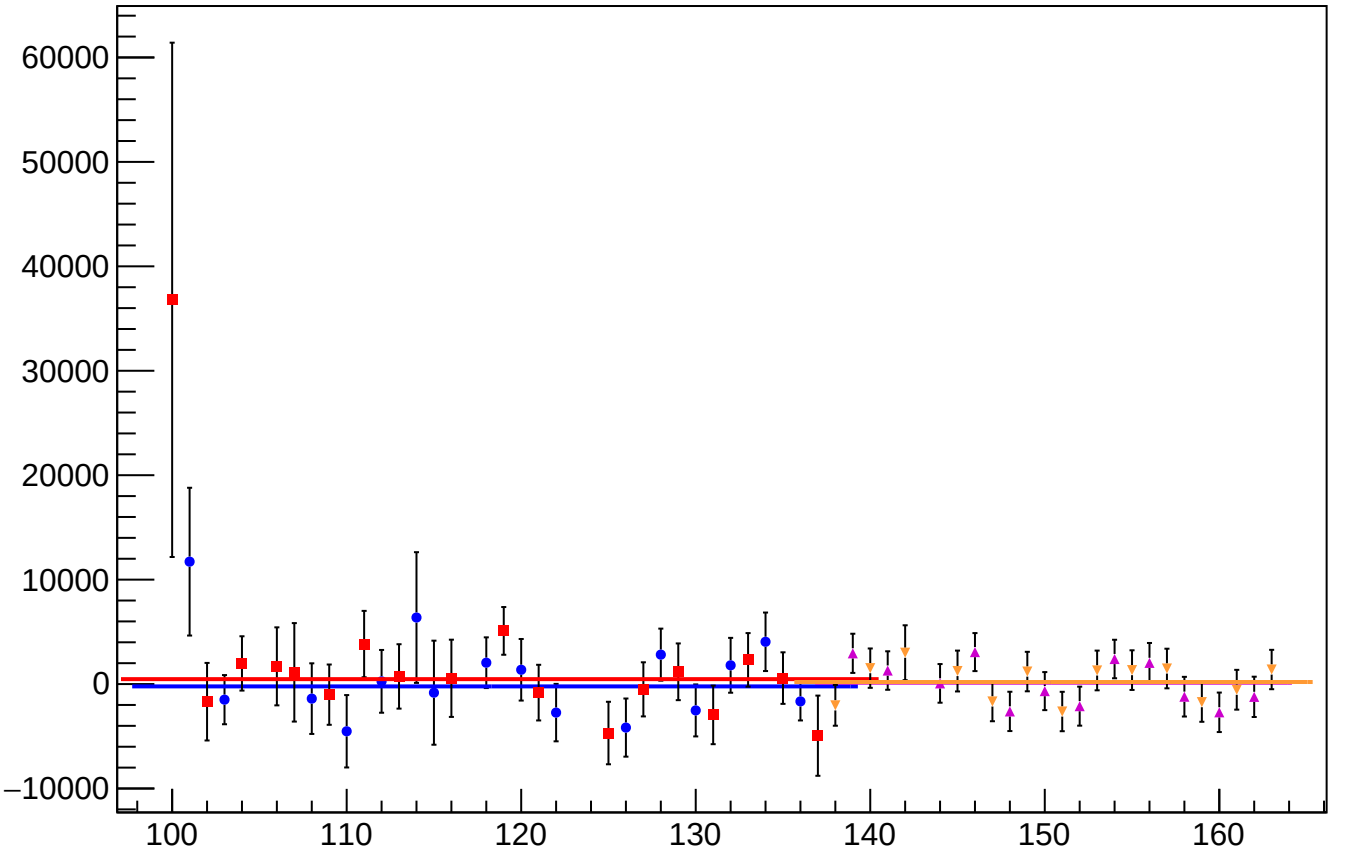
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:18.4/27

Out: 0.000+/-0.000 χ^2/NDF:40.8/30

All: 0.000+/-0.000 χ^2/NDF: 59.5/58


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:535425.6/12
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:642468.7/11
Left: 0.000+/-0.000 χ²/NDF: 1191428.4/24
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4671771.5/27
Out: 0.000+/-0.000 χ²/NDF:5517567.8/30
All: 0.000+/-0.000 χ²/NDF: 10204920.2/58



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 197.965+/-537.468 χ^2/NDF:9.5/12

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 133.822+/-539.244 χ^2/NDF:14.8/11

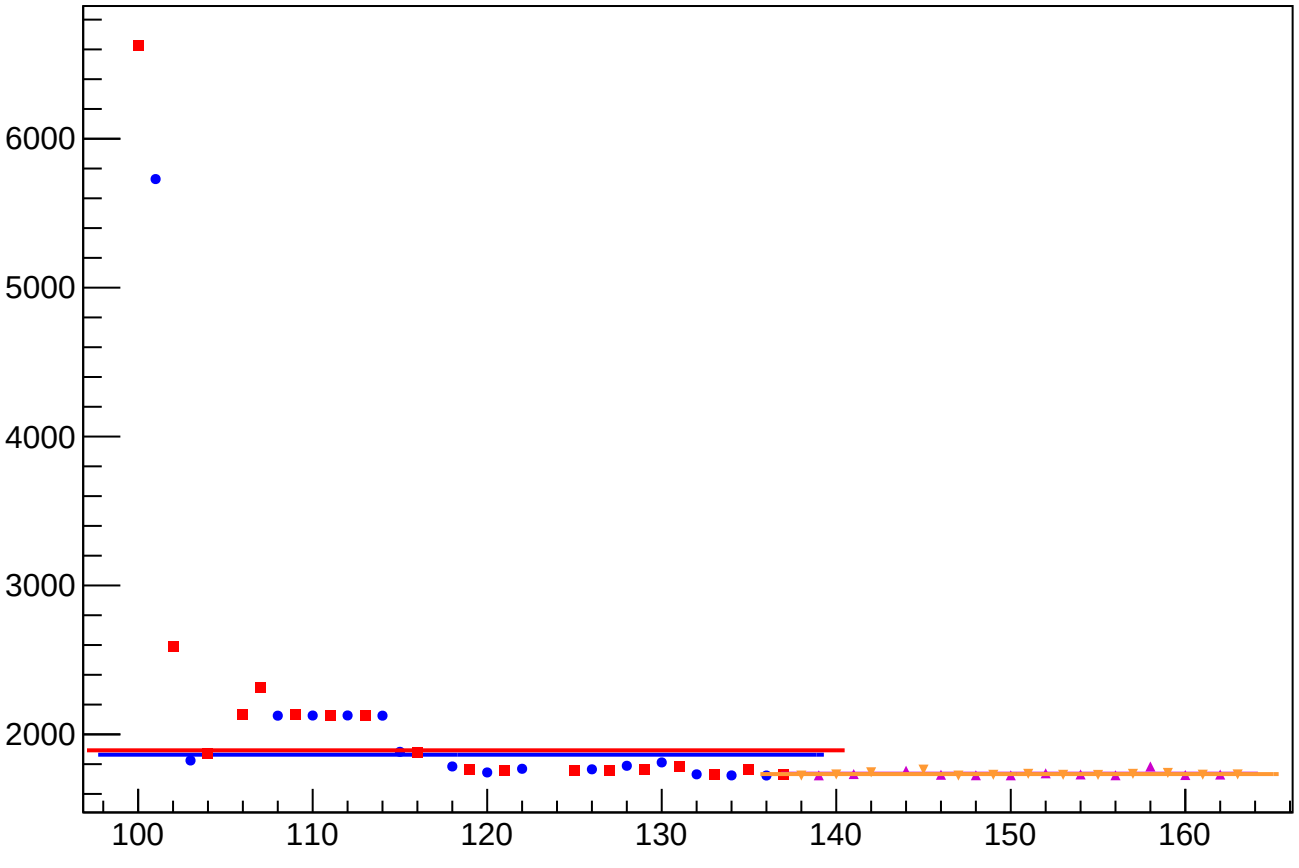
Left: 165.999+/-380.674 χ^2/NDF: 24.3/24

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 3.099+/-429.241 χ^2/NDF:30.8/27

Out: 297.679+/-428.855 χ^2/NDF:25.5/30

All: 150.521+/-303.383 χ^2/NDF: 56.5/58



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1735.922+/-0.381 χ^2/NDF:1900.2/11

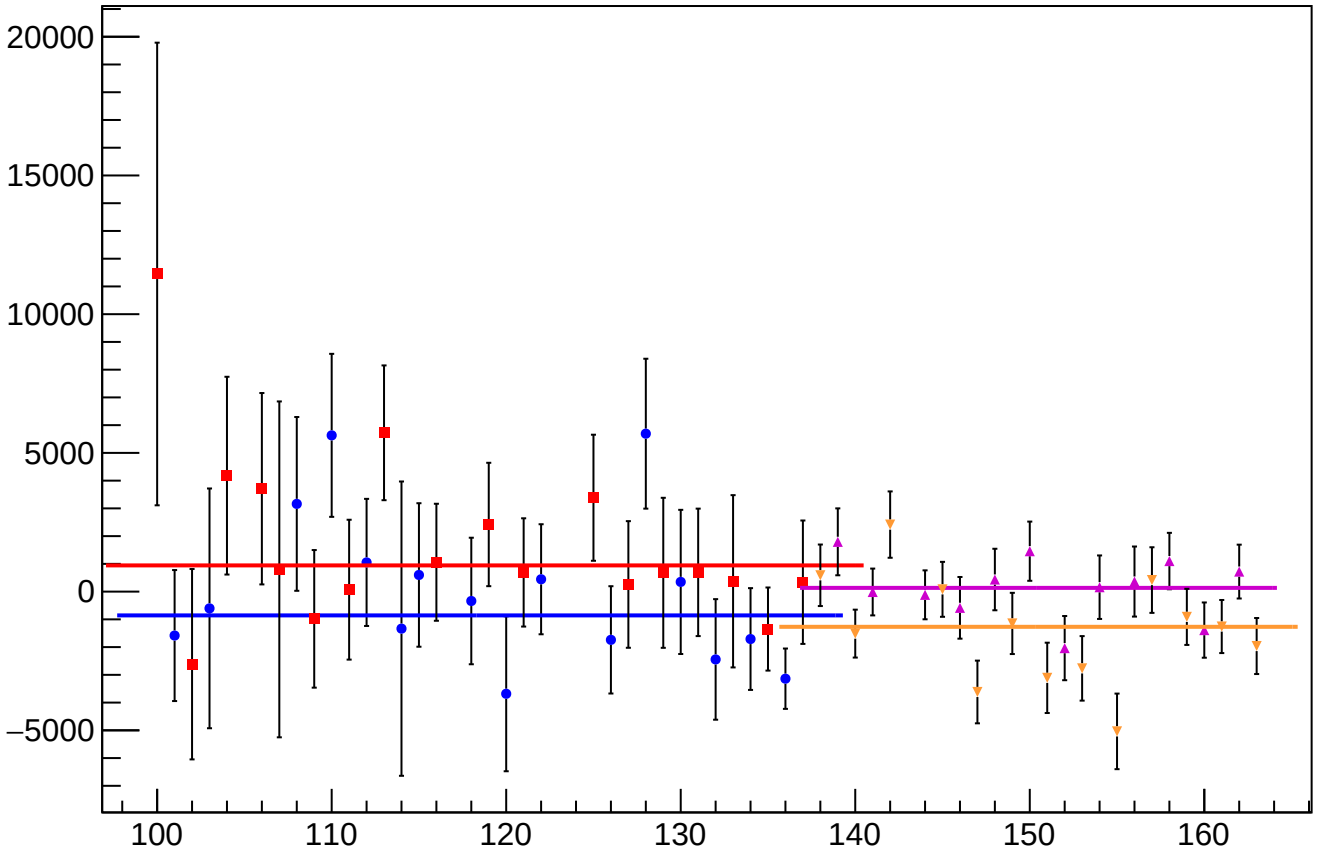
Left: 1734.593+/-0.269 χ^2/NDF: 2637.6/24

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1782.693+/-0.304 χ^2/NDF:717631.9/27

Out: 1791.258+/-0.303 χ^2/NDF:316295.7/30

All: 1786.979+/-0.215 χ^2/NDF: 1034326.1/58



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1268.776+/-299.522 χ^2/NDF:32.6/12

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 134.587+/-300.757 χ^2/NDF:11.2/11

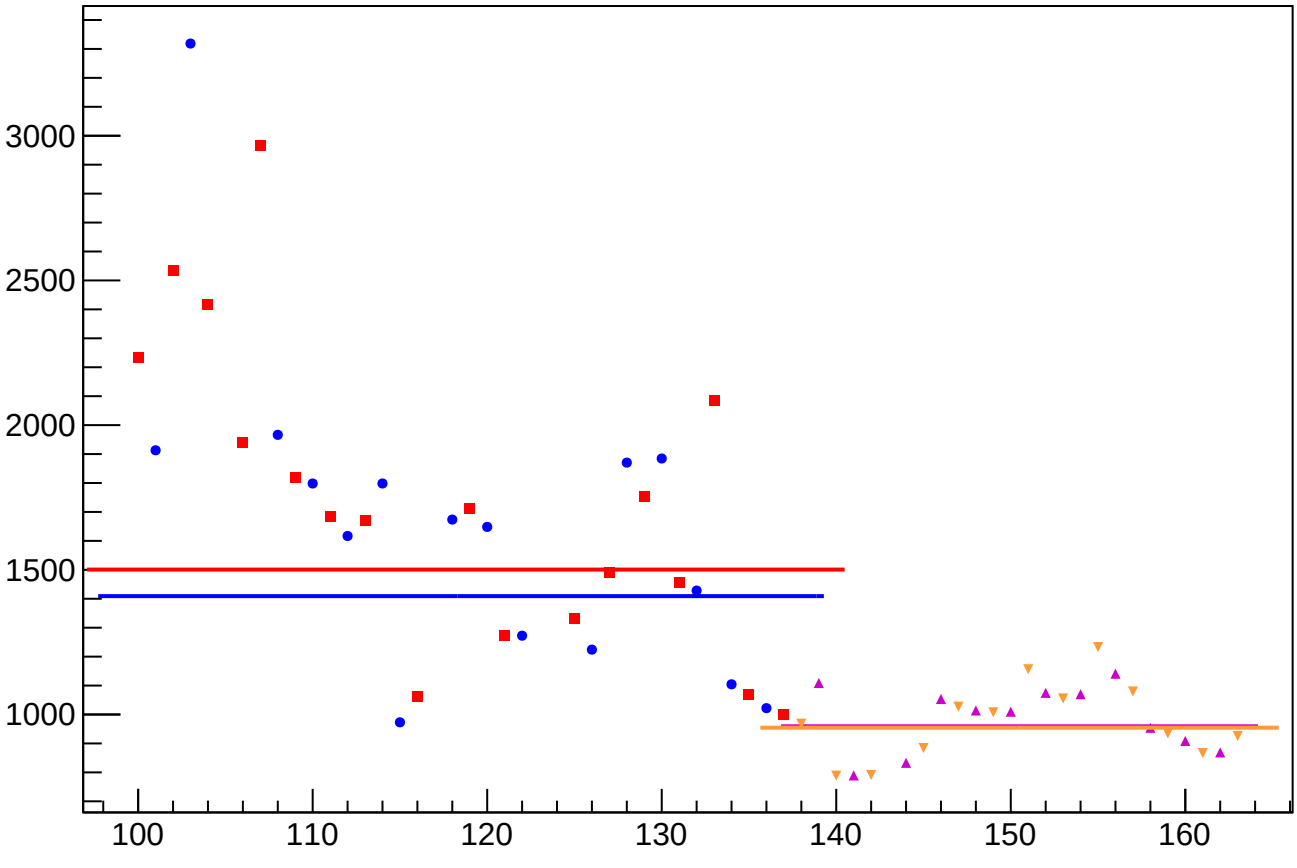
Left: -569.982+/-212.229 χ^2/NDF: 54.8/24

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -93.869+/-263.858 χ^2/NDF:34.3/27

Out: -807.746+/-266.510 χ^2/NDF:56.9/30

All: -447.237+/-187.506 χ^2/NDF: 94.8/58



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 954.457+/-0.212 χ^2/NDF:325265.0/12

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 959.322+/-0.213 χ^2/NDF:279135.8/11

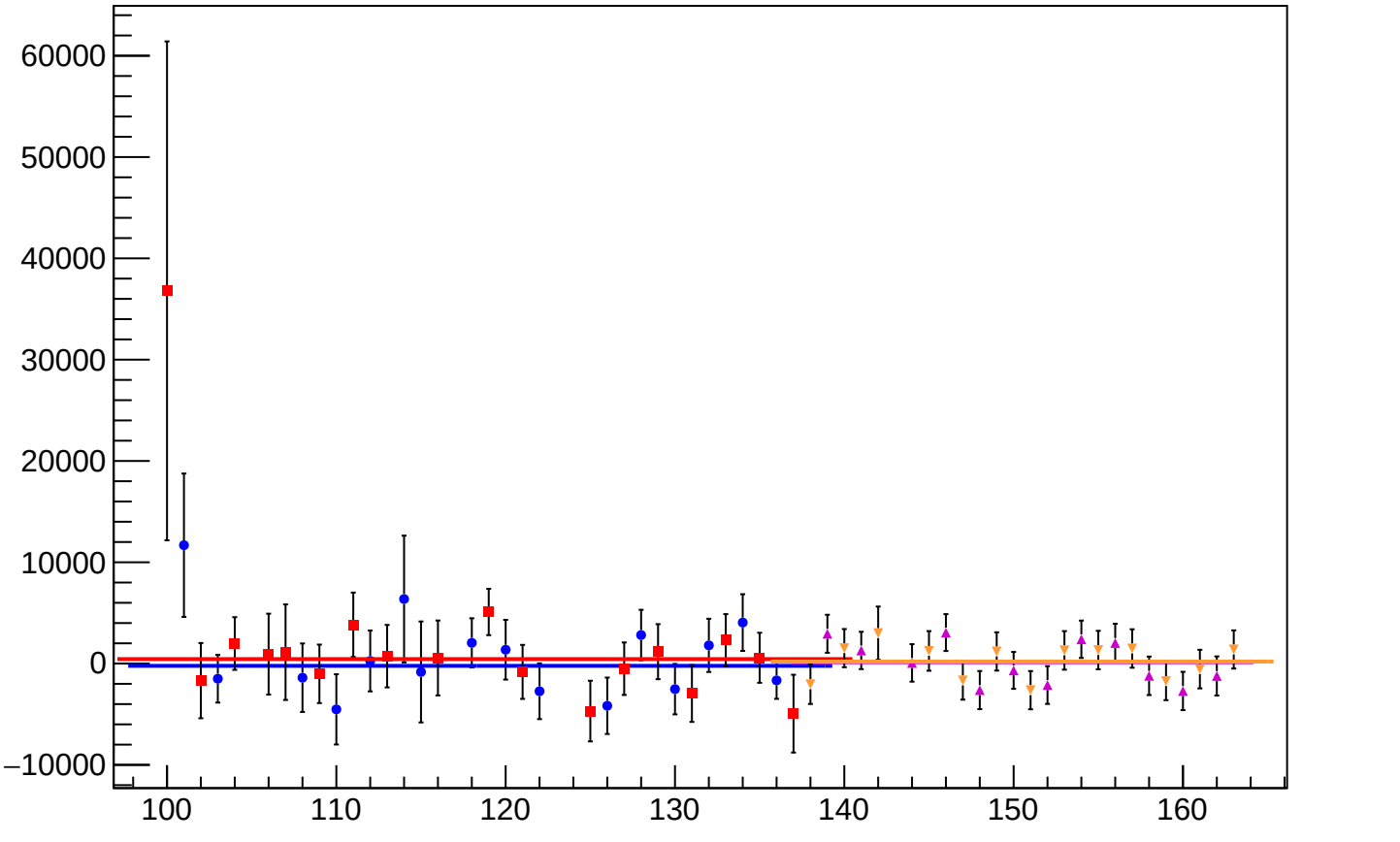
Left: 956.879+/-0.150 χ^2/NDF: 604663.4/24

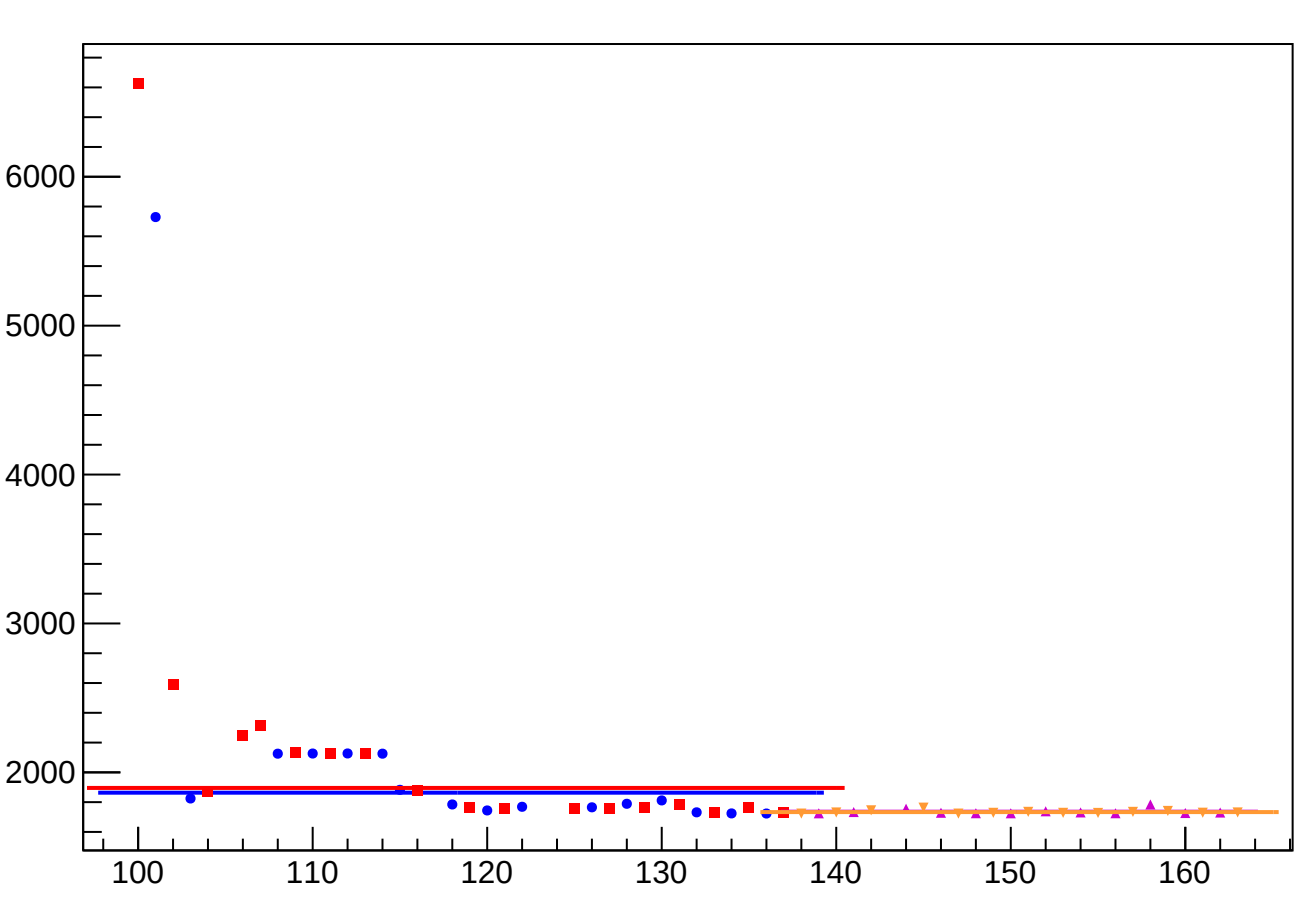
Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1062.916+/-0.187 χ^2/NDF:2477063.0/27

Out: 1068.250+/-0.188 χ^2/NDF:2742009.1/30

All: 1065.557+/-0.133 χ^2/NDF: 5219476.7/58


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
Right In: -223.754+/-709.151 χ²/NDF: 15.8/15
Left Out: 198.076+/-537.468 χ²/NDF:9.5/12
Right Out: 443.022+/-713.098 χ²/NDF: 15.8/17
Left In: 133.851+/-539.244 χ²/NDF:14.8/11
Left: 166.069+/-380.674 χ²/NDF: 24.3/24
Right: 107.783+/-502.835 χ²/NDF: 32.0/33
In: 2.833+/-429.241 χ²/NDF:30.7/27
Out: 286.814+/-429.209 χ²/NDF:25.3/30
All: 144.834+/-303.508 χ²/NDF: 56.3/58



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.922+/-0.381 χ^2/NDF:1900.2/11

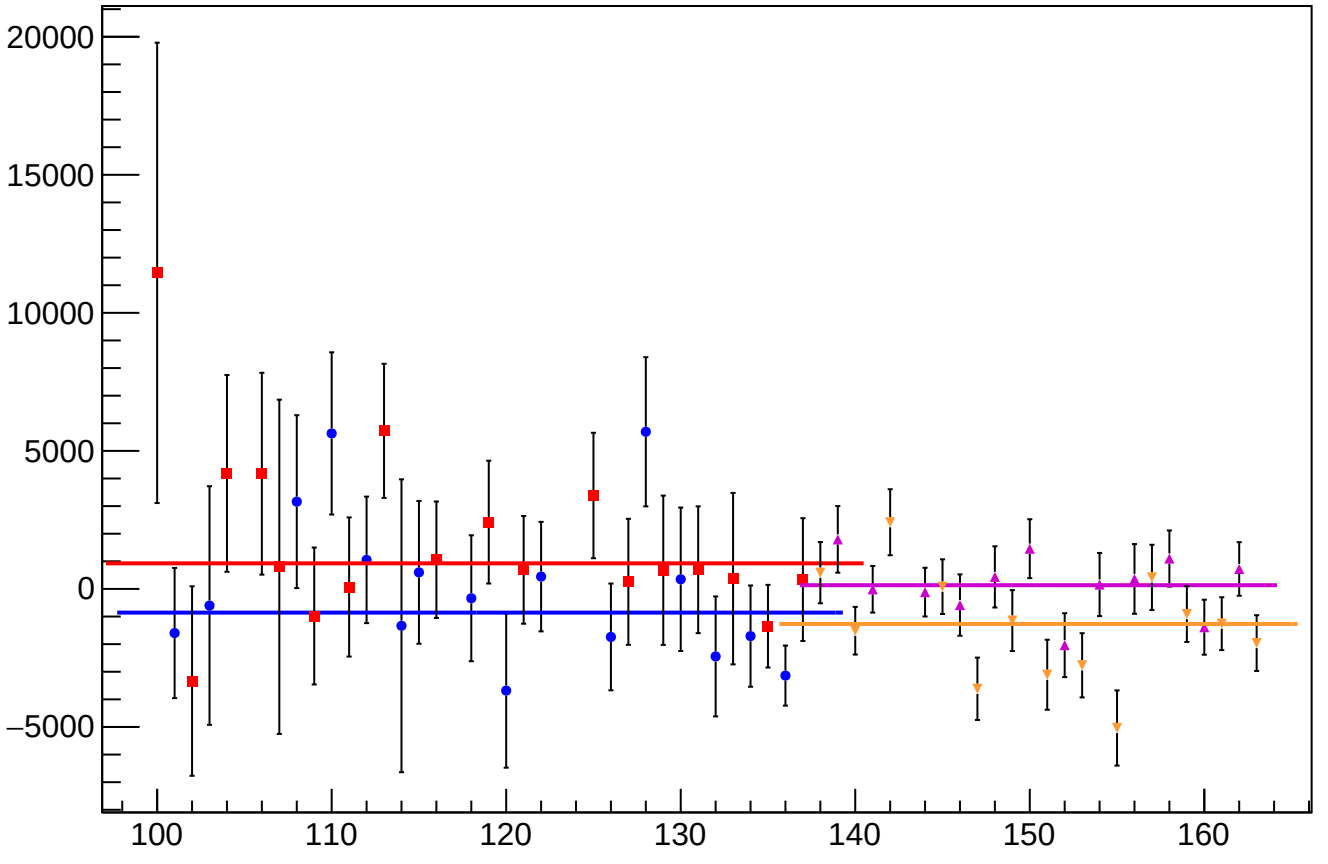
Left: 1734.593+/-0.269 χ^2/NDF: 2637.6/24

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1782.693+/-0.304 χ^2/NDF:717631.8/27

Out: 1792.041+/-0.303 χ^2/NDF:325888.0/30

All: 1787.367+/-0.215 χ^2/NDF: 1043994.1/58



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1268.726+/-299.521 χ^2/NDF:32.6/12

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 134.697+/-300.756 χ^2/NDF:11.2/11

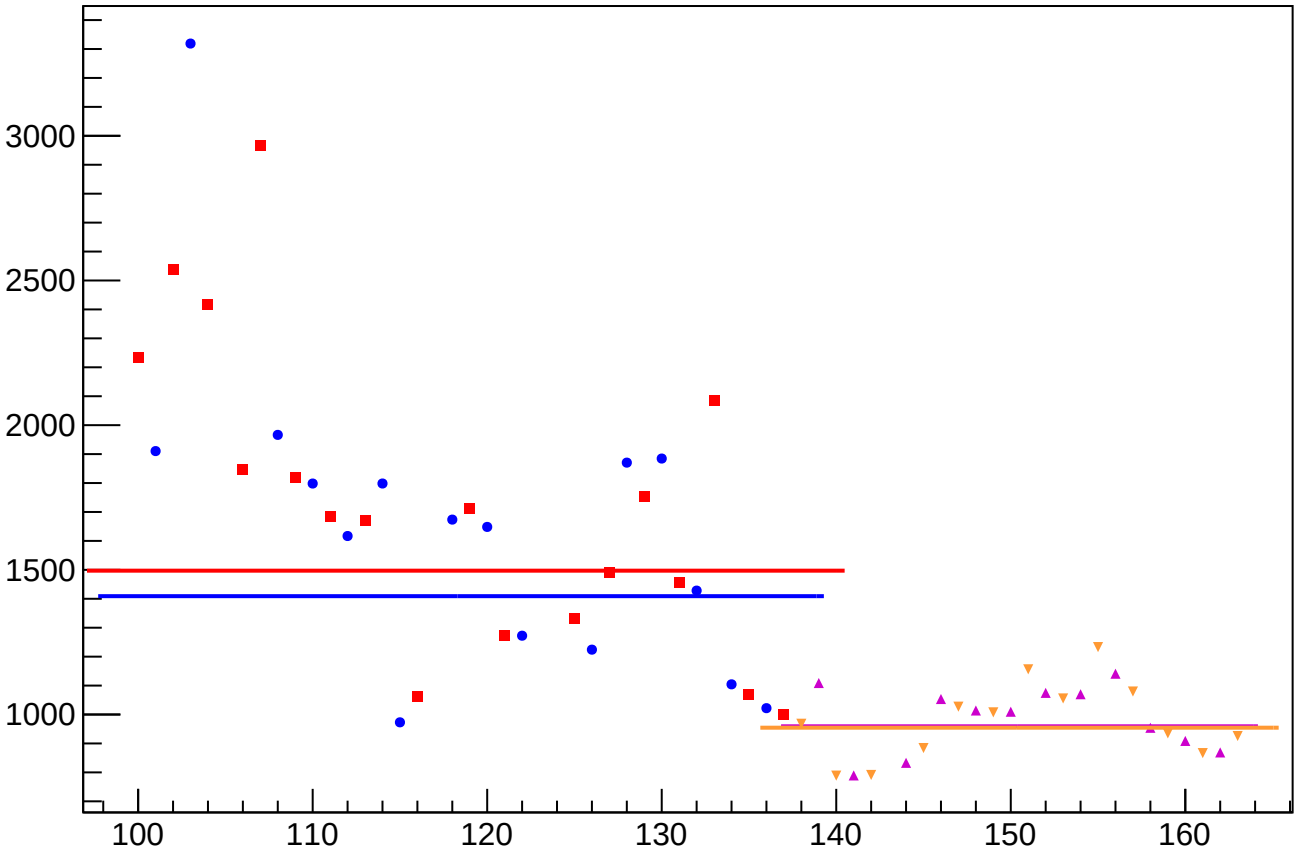
Left: -569.901+/-212.229 χ^2/NDF: 54.8/24

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -93.999+/-263.852 χ^2/NDF:34.3/27

Out: -812.495+/-266.597 χ^2/NDF:57.3/30

All: -449.529+/-187.535 χ^2/NDF: 95.3/58



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 959.318+/-0.213 χ^2/NDF:279149.9/11

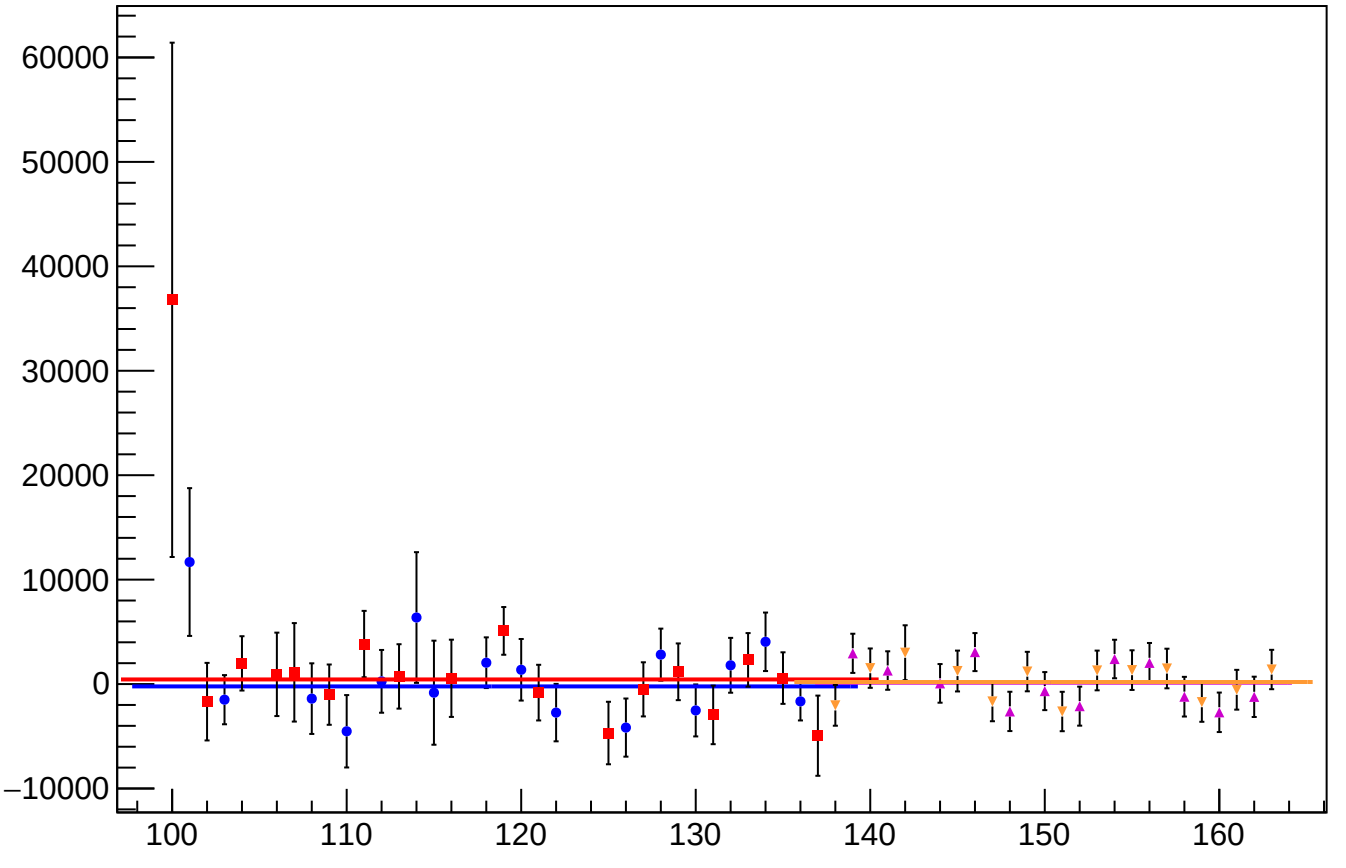
Left: 956.877+/-0.150 χ^2/NDF: 604649.4/24

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1062.907+/-0.187 χ^2/NDF:2476224.4/27

Out: 1067.207+/-0.189 χ^2/NDF:2707474.5/30

All: 1065.035+/-0.133 χ^2/NDF: 5183961.8/58



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 198.076+/-537.468 χ^2/NDF:9.5/12

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 133.851+/-539.244 χ^2/NDF:14.8/11

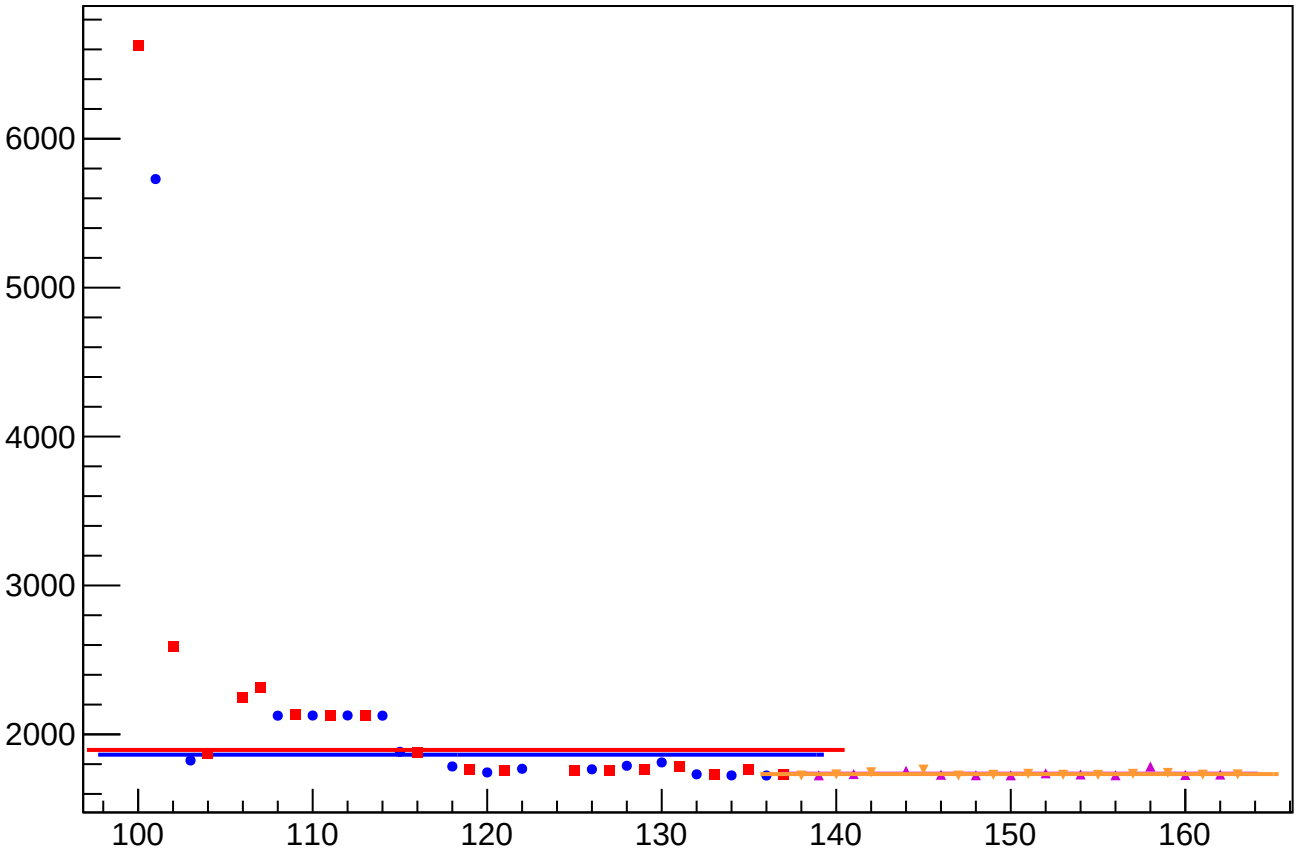
Left: 166.069+/-380.674 χ^2/NDF: 24.3/24

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 2.833+/-429.241 χ^2/NDF:30.7/27

Out: 286.814+/-429.209 χ^2/NDF:25.3/30

All: 144.834+/-303.508 χ^2/NDF: 56.3/58



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.273+/-0.380 χ^2/NDF:713.2/12

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1735.922+/-0.381 χ^2/NDF:1900.2/11

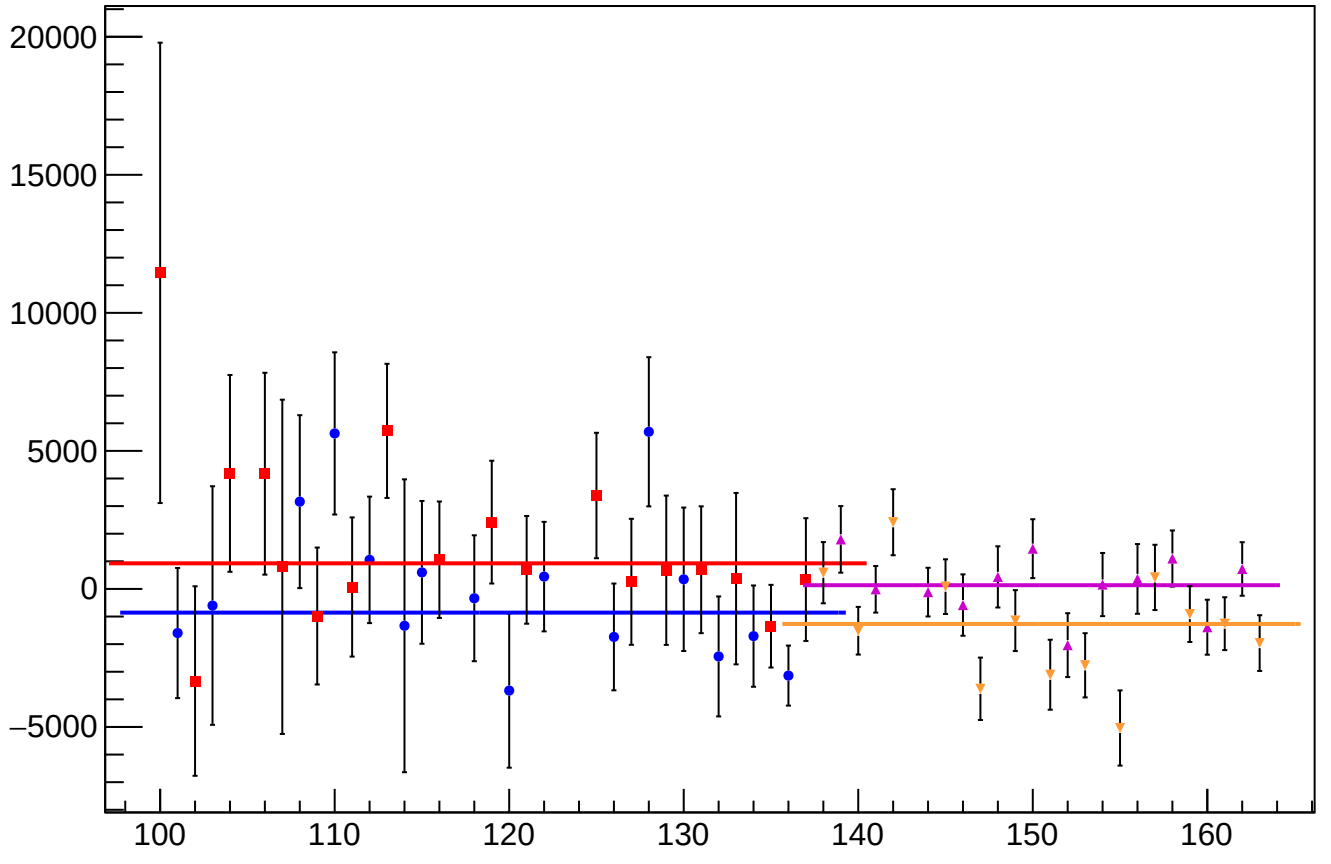
Left: 1734.593+/-0.269 χ^2/NDF: 2637.6/24

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1782.693+/-0.304 χ^2/NDF:717631.8/27

Out: 1792.041+/-0.303 χ^2/NDF:325888.0/30

All: 1787.367+/-0.215 χ^2/NDF: 1043994.1/58



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1268.726+/-299.521 χ^2/NDF:32.6/12

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 134.697+/-300.756 χ^2/NDF:11.2/11

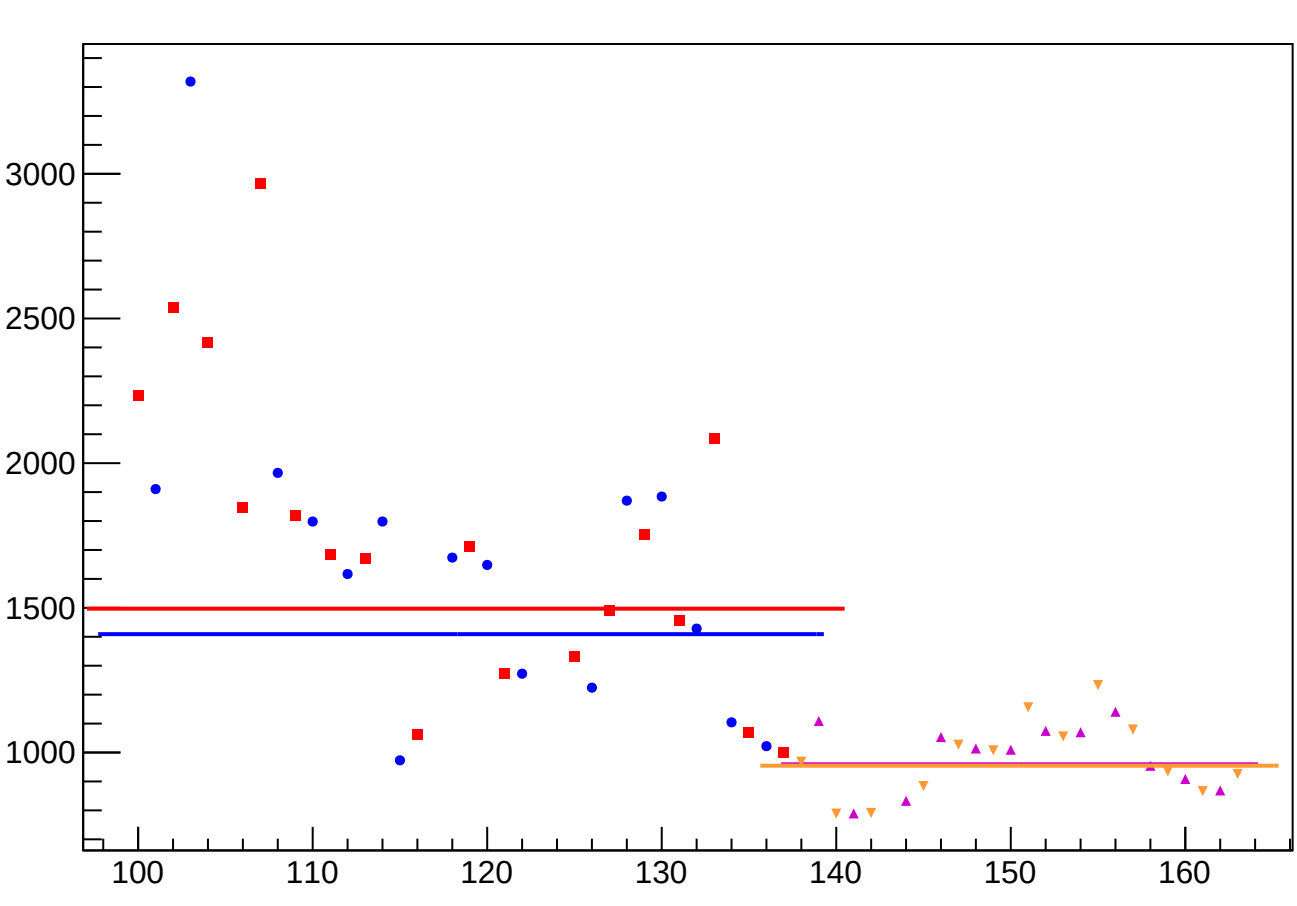
Left: -569.901+/-212.229 χ^2/NDF: 54.8/24

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -93.999+/-263.852 χ^2/NDF:34.3/27

Out: -812.495+/-266.597 χ^2/NDF:57.3/30

All: -449.529+/-187.535 χ^2/NDF: 95.3/58



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 954.456+/-0.212 χ^2/NDF:325237.1/12

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 959.318+/-0.213 χ^2/NDF:279149.9/11

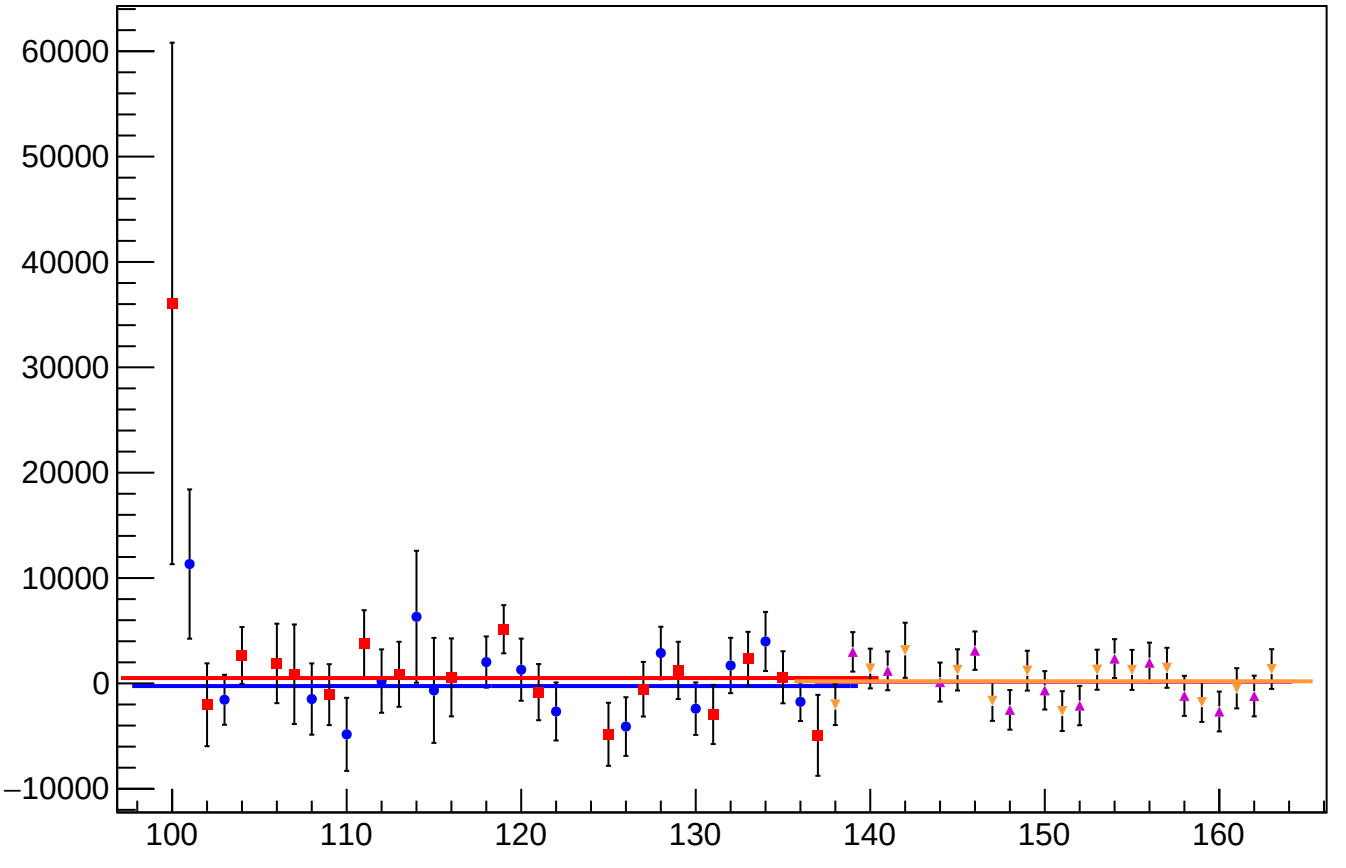
Left: 956.877+/-0.150 χ^2/NDF: 604649.4/24

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1062.907+/-0.187 χ^2/NDF:2476224.4/27

Out: 1067.207+/-0.189 χ^2/NDF:2707474.5/30

All: 1065.035+/-0.133 χ^2/NDF: 5183961.8/58



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 198.727+/-537.664 χ^2/NDF:9.5/12

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 148.561+/-539.521 χ^2/NDF:14.4/11

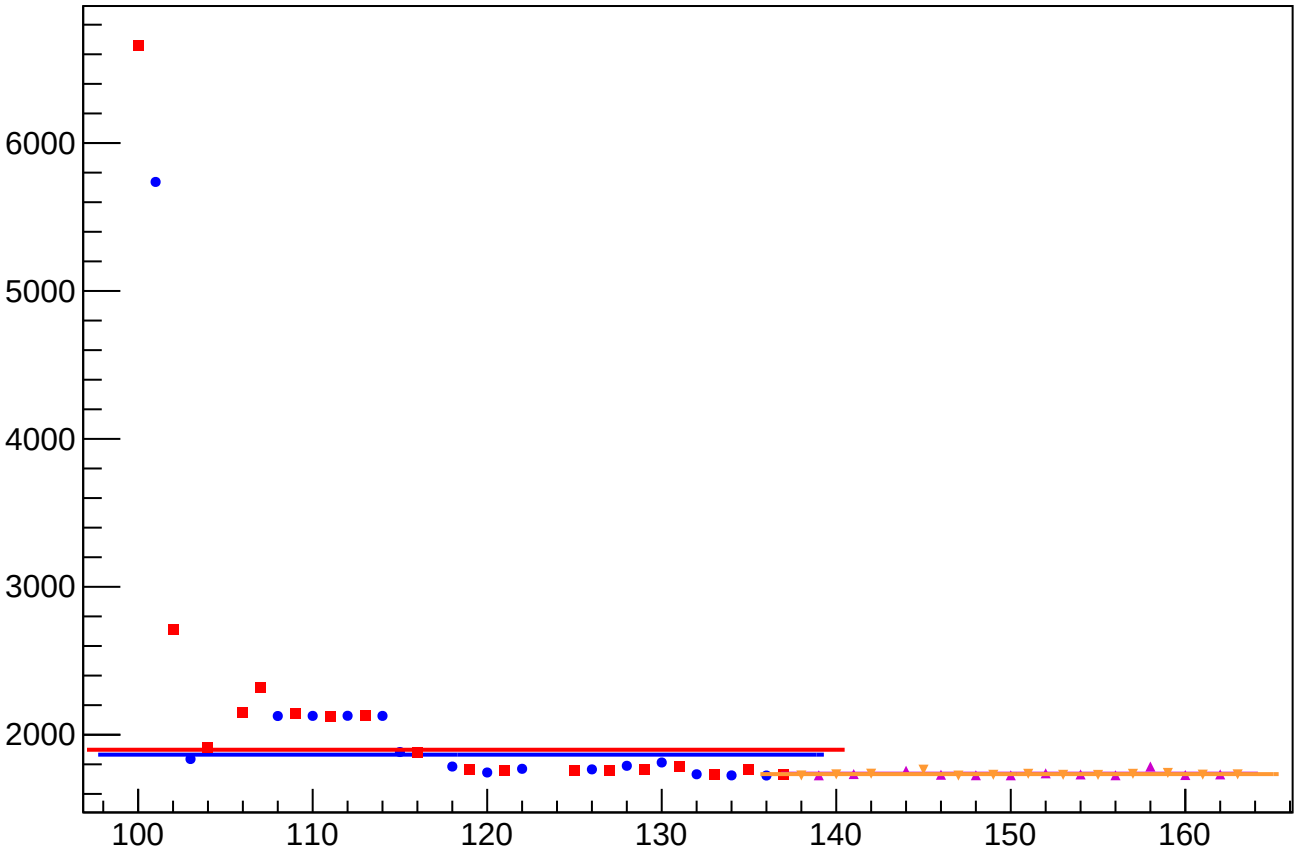
Left: 173.731+/-380.841 χ^2/NDF: 23.9/24

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 1.916+/-429.563 χ^2/NDF:30.3/27

Out: 311.117+/-429.819 χ^2/NDF:26.0/30

All: 156.425+/-303.837 χ^2/NDF: 56.5/58



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.859+/-0.380 χ^2/NDF:662.0/12

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1736.817+/-0.381 χ^2/NDF:1891.3/11

Left: 1735.333+/-0.269 χ^2/NDF: 2583.4/24

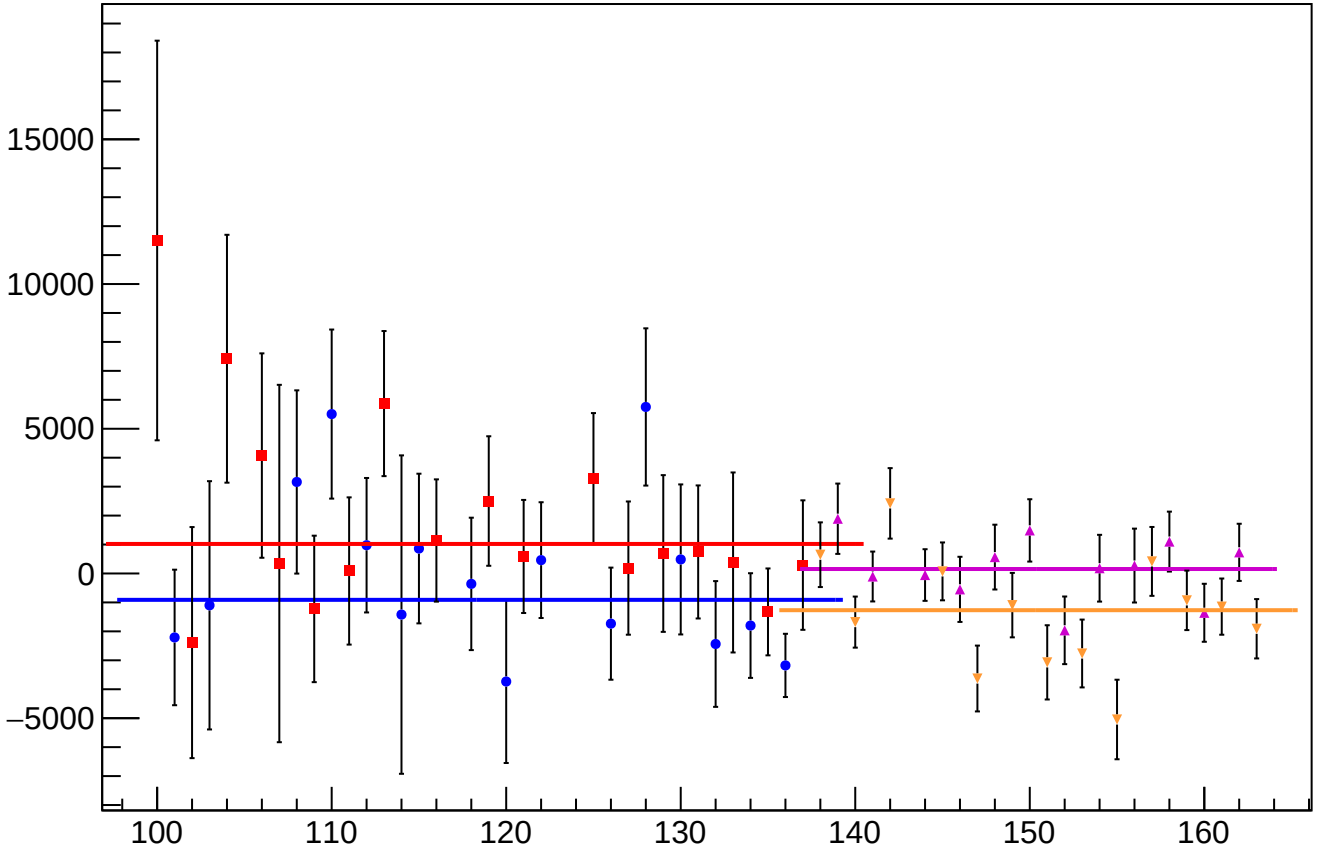
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1783.903+/-0.304 χ^2/NDF:718492.8/27

Out: 1793.320+/-0.304 χ^2/NDF:337544.1/30

All: 1788.609+/-0.215 χ^2/NDF: 1056517.1/58

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1268.722+/-303.269 χ^2/NDF:32.2/12

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 154.175+/-304.499 χ^2/NDF:11.0/11

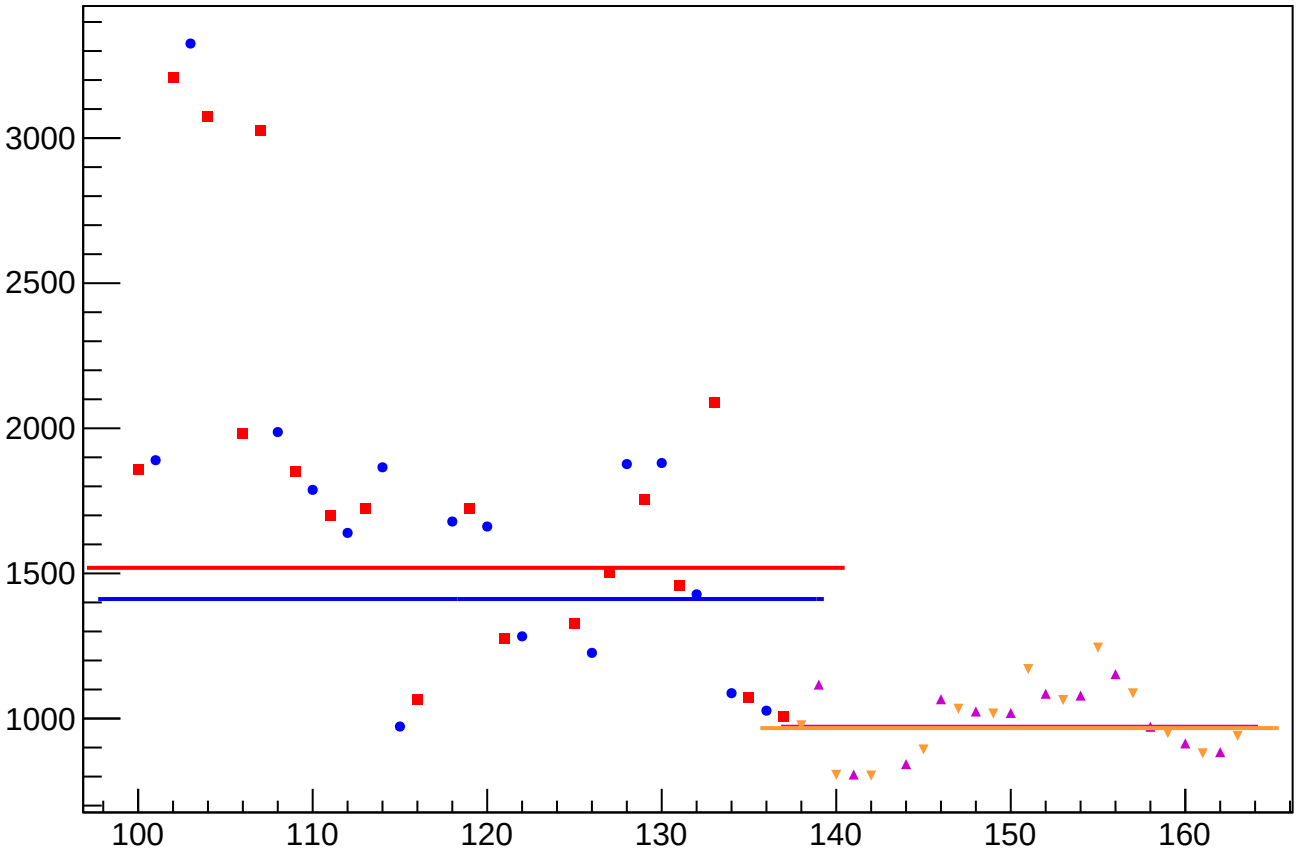
Left: -560.153+/-214.877 χ^2/NDF: 54.1/24

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -95.127+/-266.492 χ^2/NDF:34.9/27

Out: -792.415+/-269.875 χ^2/NDF:58.9/30

All: -439.372+/-189.623 χ^2/NDF: 97.2/58



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 966.998+/-0.214 χ^2/NDF:308132.6/12

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 971.806+/-0.215 χ^2/NDF:264935.3/11

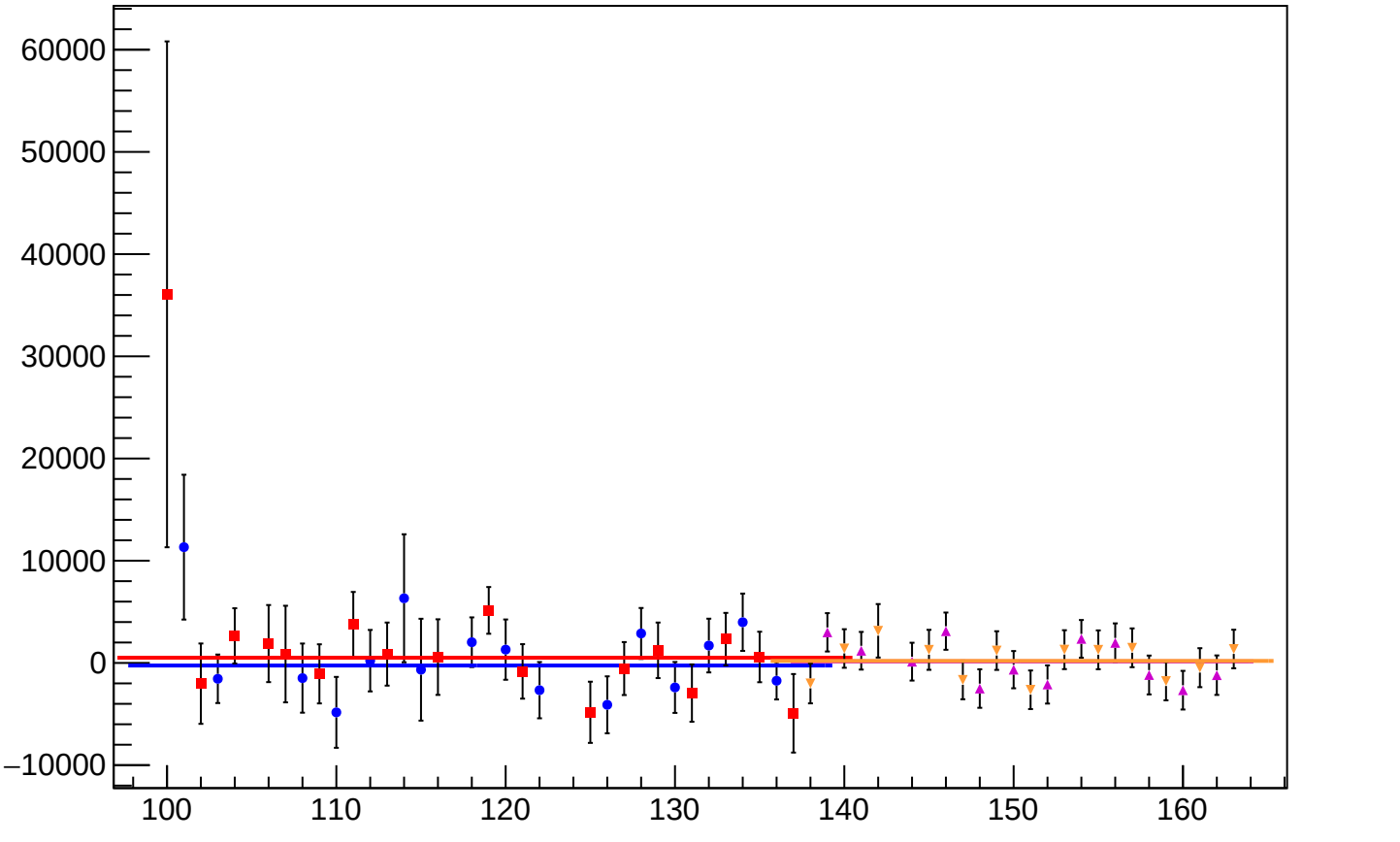
Left: 969.392+/-0.152 χ^2/NDF: 573318.2/24

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1074.778+/-0.188 χ^2/NDF:2419855.7/27

Out: 1081.933+/-0.191 χ^2/NDF:3048679.9/30

All: 1078.310+/-0.134 χ^2/NDF: 5469247.3/58



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 198.727+/-537.664 χ^2/NDF:9.5/12

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 148.562+/-539.521 χ^2/NDF:14.4/11

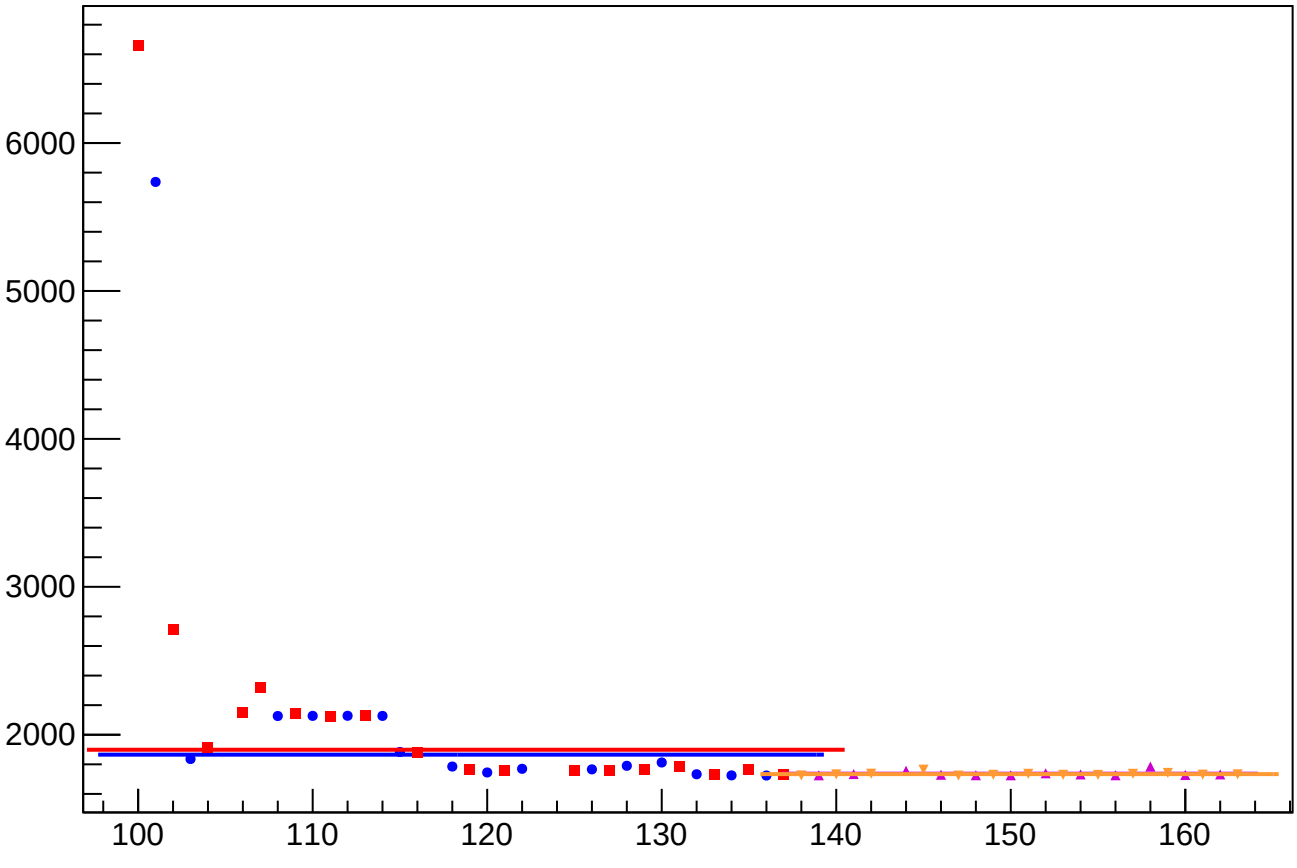
Left: 173.731+/-380.841 χ^2/NDF: 23.9/24

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 1.917+/-429.563 χ^2/NDF:30.3/27

Out: 311.116+/-429.819 χ^2/NDF:26.0/30

All: 156.425+/-303.837 χ^2/NDF: 56.5/58



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1733.859+/-0.380 χ^2/NDF:662.0/12

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1736.817+/-0.381 χ^2/NDF:1891.3/11

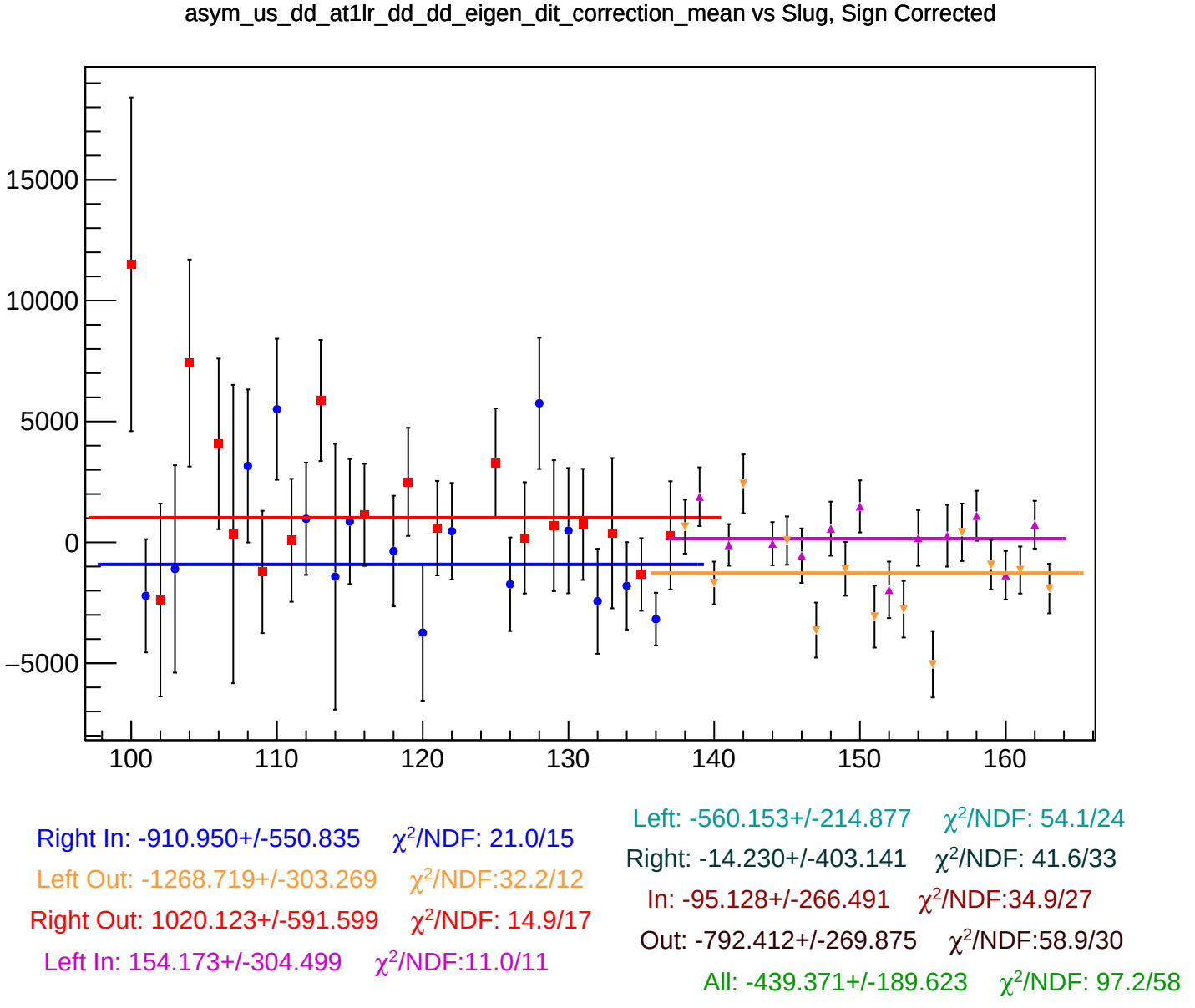
Left: 1735.333+/-0.269 χ^2/NDF: 2583.4/24

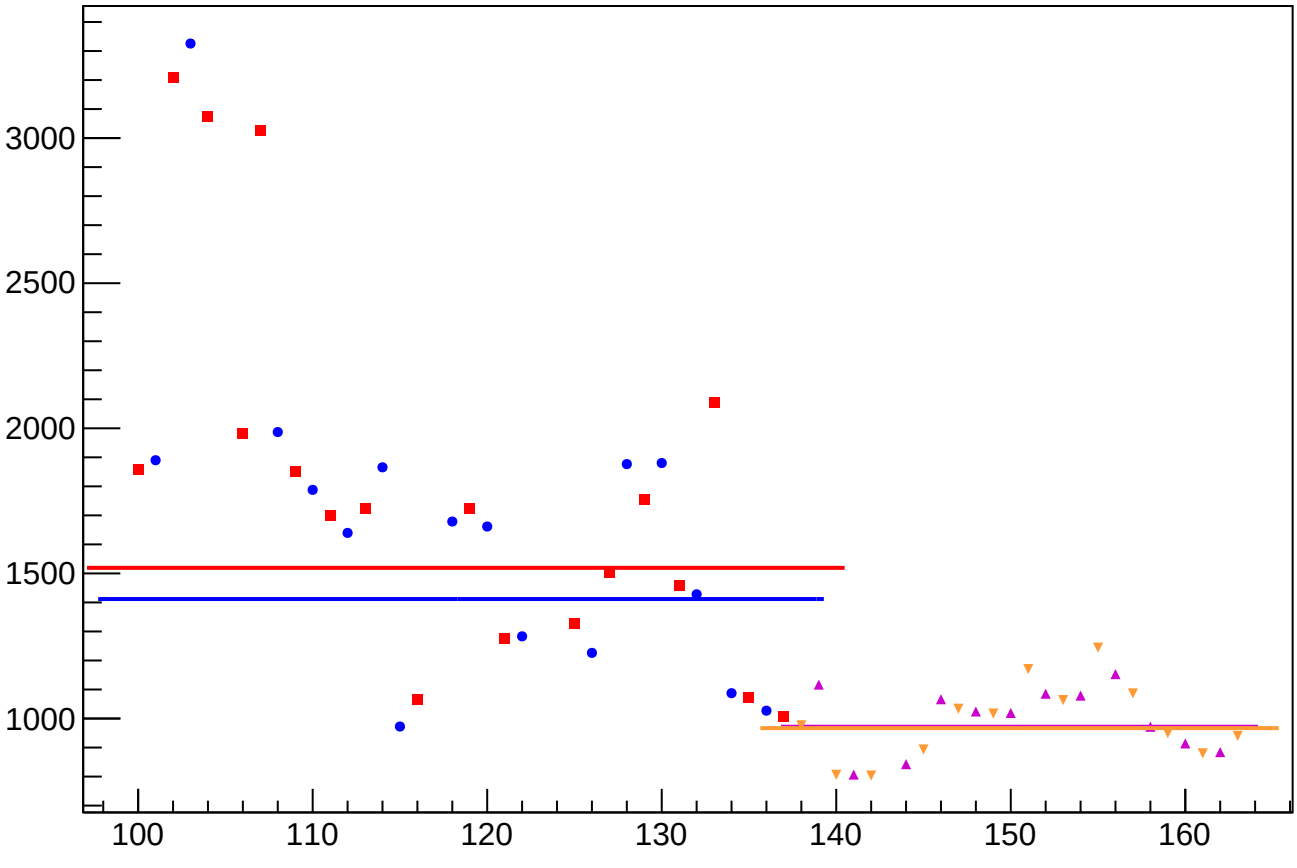
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1783.903+/-0.304 χ^2/NDF:718492.7/27

Out: 1793.320+/-0.304 χ^2/NDF:337543.8/30

All: 1788.609+/-0.215 χ^2/NDF: 1056516.8/58


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
Right In: -910.950+/-550.835 χ²/NDF: 21.0/15
Left Out: -1268.719+/-303.269 χ²/NDF:32.2/12
Right Out: 1020.123+/-591.599 χ²/NDF: 14.9/17
Left In: 154.173+/-304.499 χ²/NDF:11.0/11
Left: -560.153+/-214.877 χ²/NDF: 54.1/24
Right: -14.230+/-403.141 χ²/NDF: 41.6/33
In: -95.128+/-266.491 χ²/NDF:34.9/27
Out: -792.412+/-269.875 χ²/NDF:58.9/30
All: -439.371+/-189.623 χ²/NDF: 97.2/58



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 966.998+/-0.214 χ^2/NDF:308141.7/12

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 971.806+/-0.215 χ^2/NDF:264942.8/11

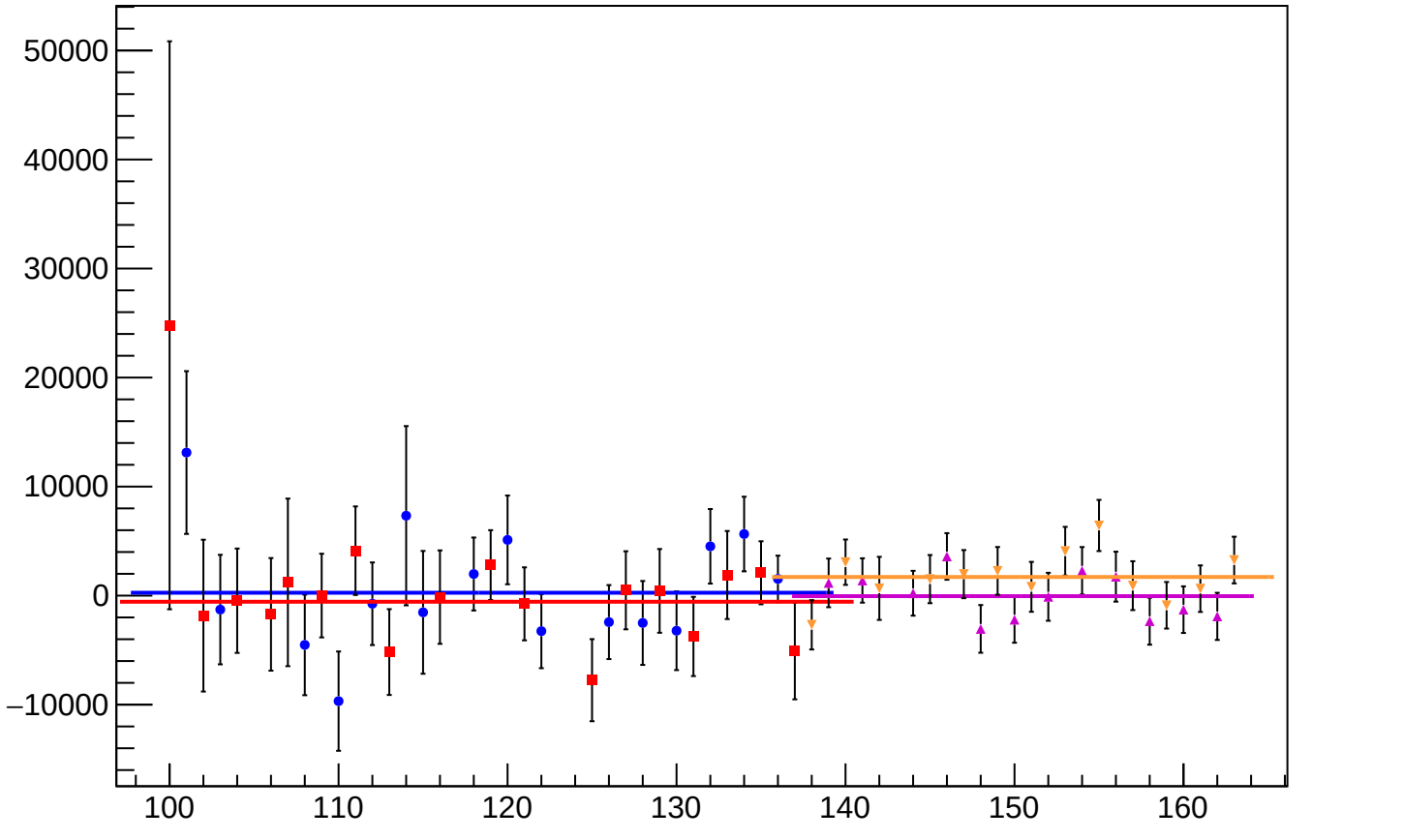
Left: 969.392+/-0.152 χ^2/NDF: 573334.9/24

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1074.777+/-0.188 χ^2/NDF:2419852.1/27

Out: 1081.932+/-0.191 χ^2/NDF:3048685.5/30

All: 1078.310+/-0.134 χ^2/NDF: 5469249.3/58



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1709.146+/-620.904 χ^2/NDF:12.1/12

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -48.105+/-621.711 χ^2/NDF:10.6/11

Left: 831.661+/-439.330 χ^2/NDF: 26.7/24

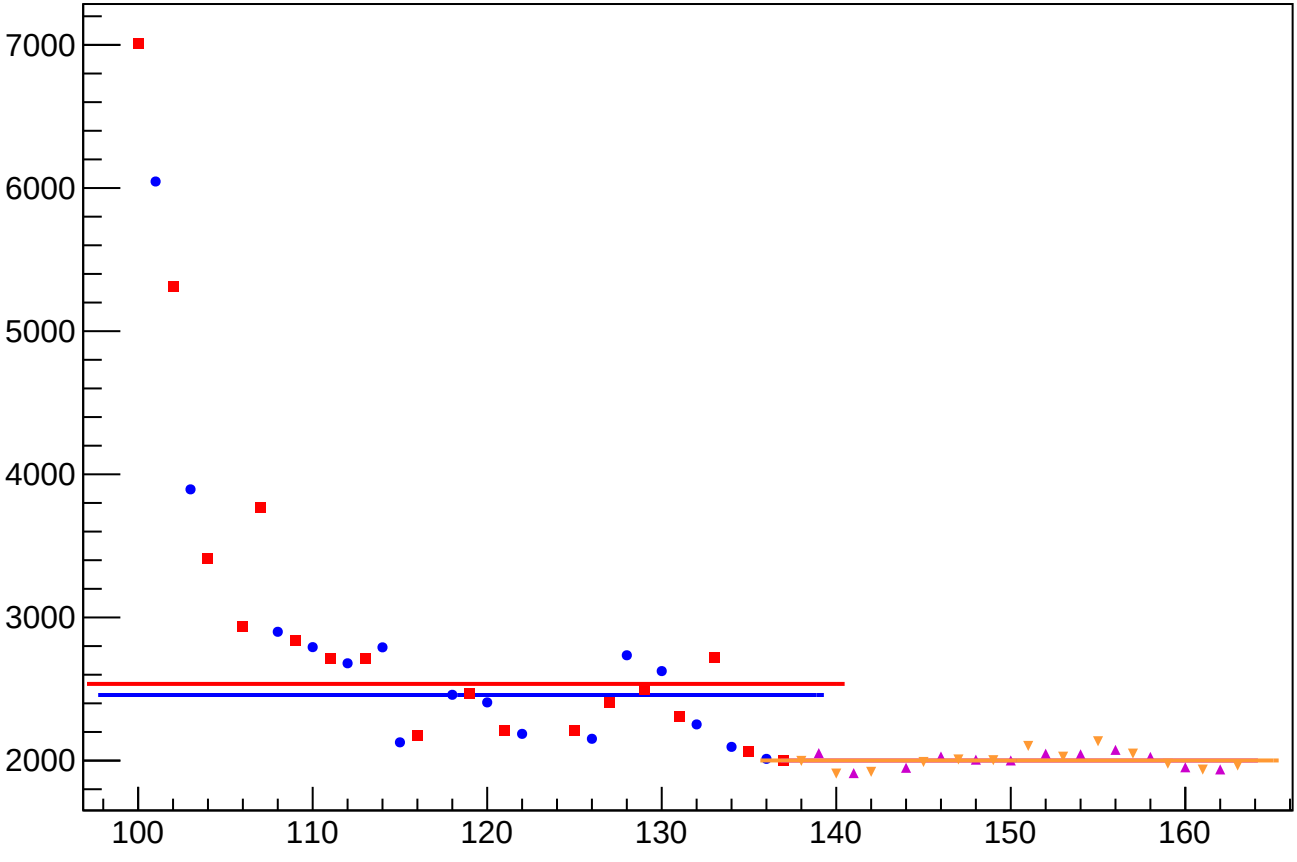
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 46.713+/-518.884 χ^2/NDF:29.7/27

Out: 1042.488+/-521.830 χ^2/NDF:27.8/30

All: 541.783+/-367.944 χ^2/NDF: 59.3/58

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: 2000.968+/-0.439 χ^2/NDF:19665.8/12

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 2000.557+/-0.440 χ^2/NDF:13156.1/11

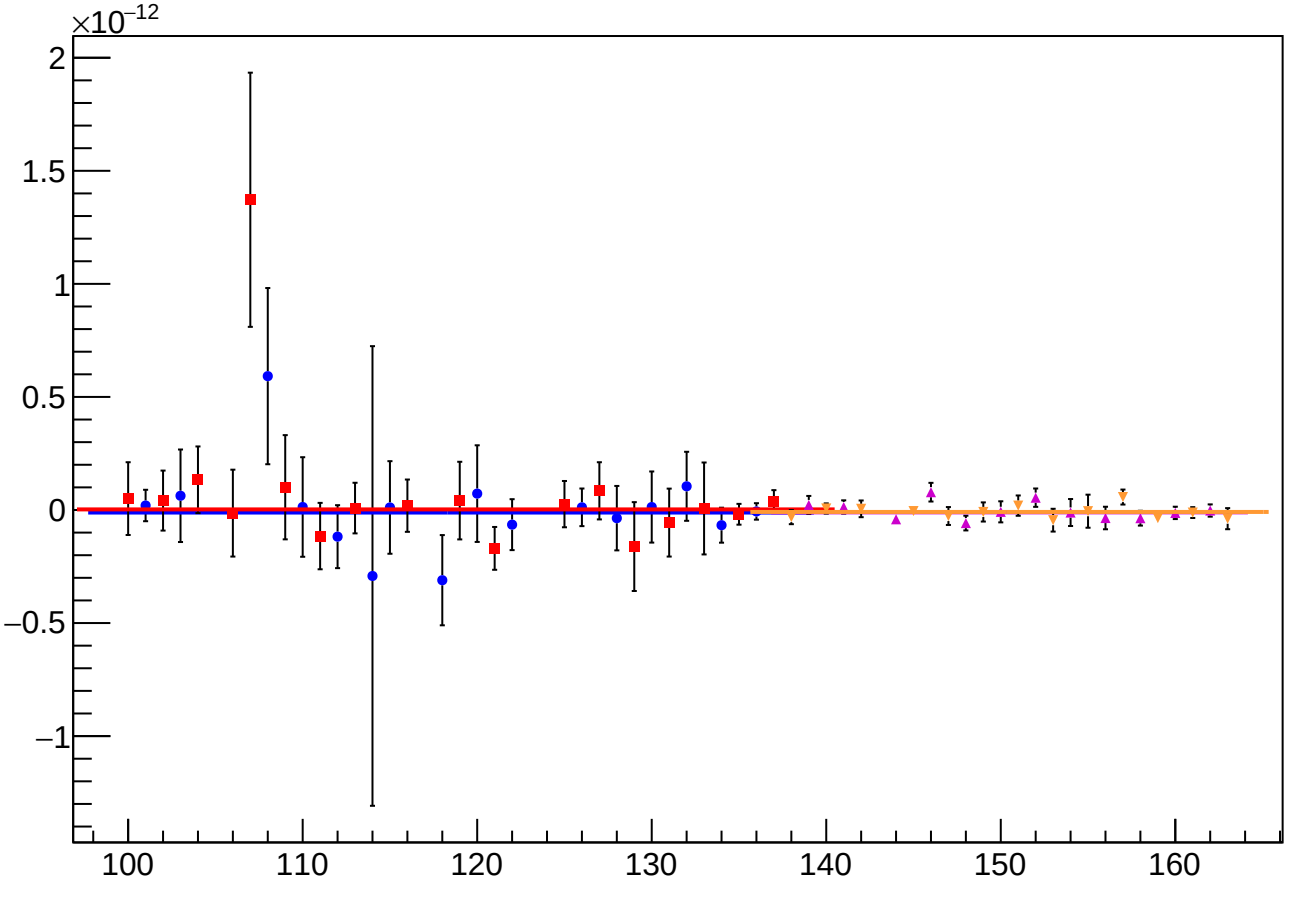
Left: 2000.763+/-0.311 χ^2/NDF: 32822.4/24

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2139.460+/-0.367 χ^2/NDF:1175059.0/27

Out: 2158.027+/-0.369 χ^2/NDF:1128761.9/30

All: 2148.691+/-0.260 χ^2/NDF: 2305094.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:13.8/11

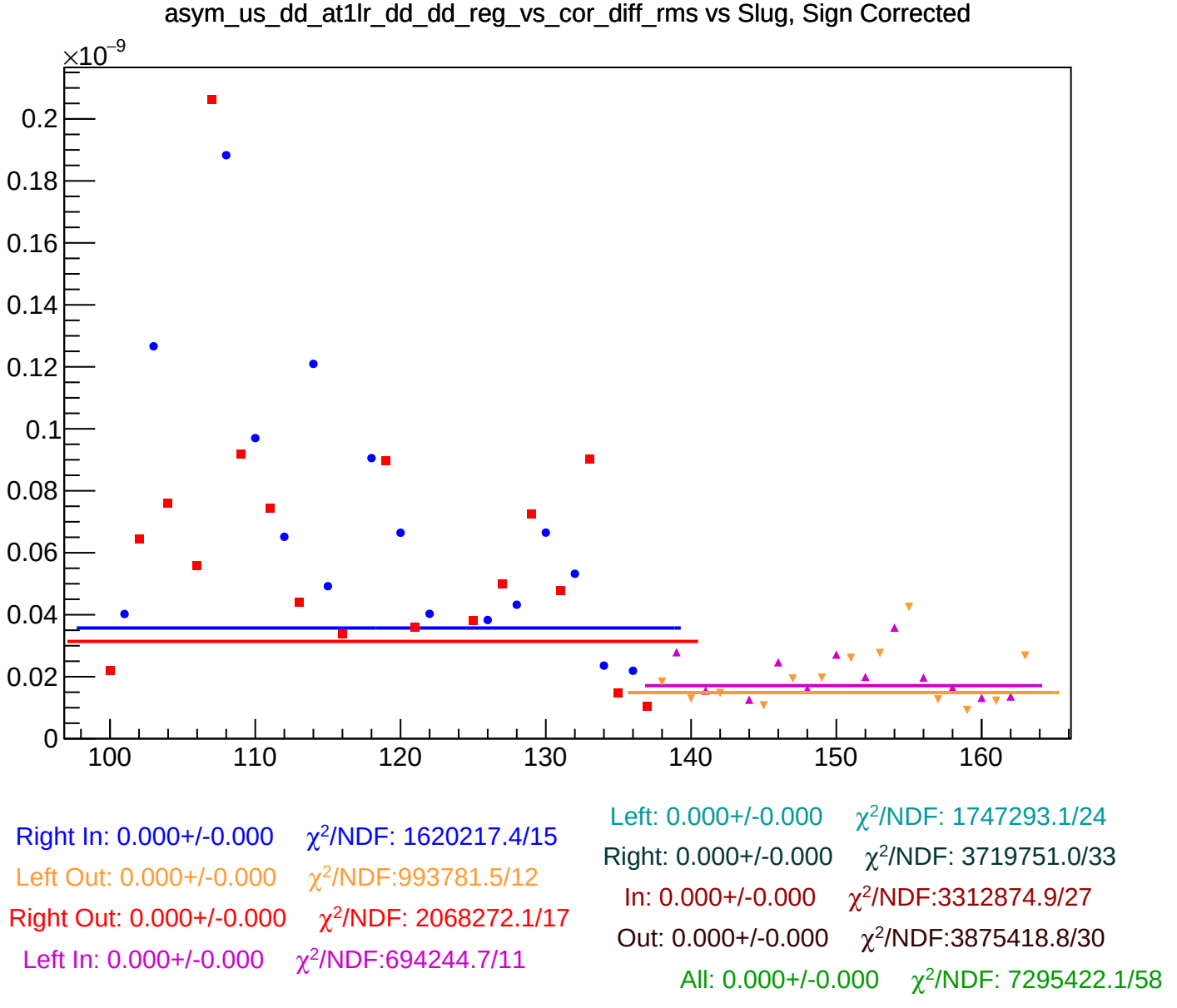
Left: -0.000+/-0.000 χ^2/NDF: 21.9/24

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

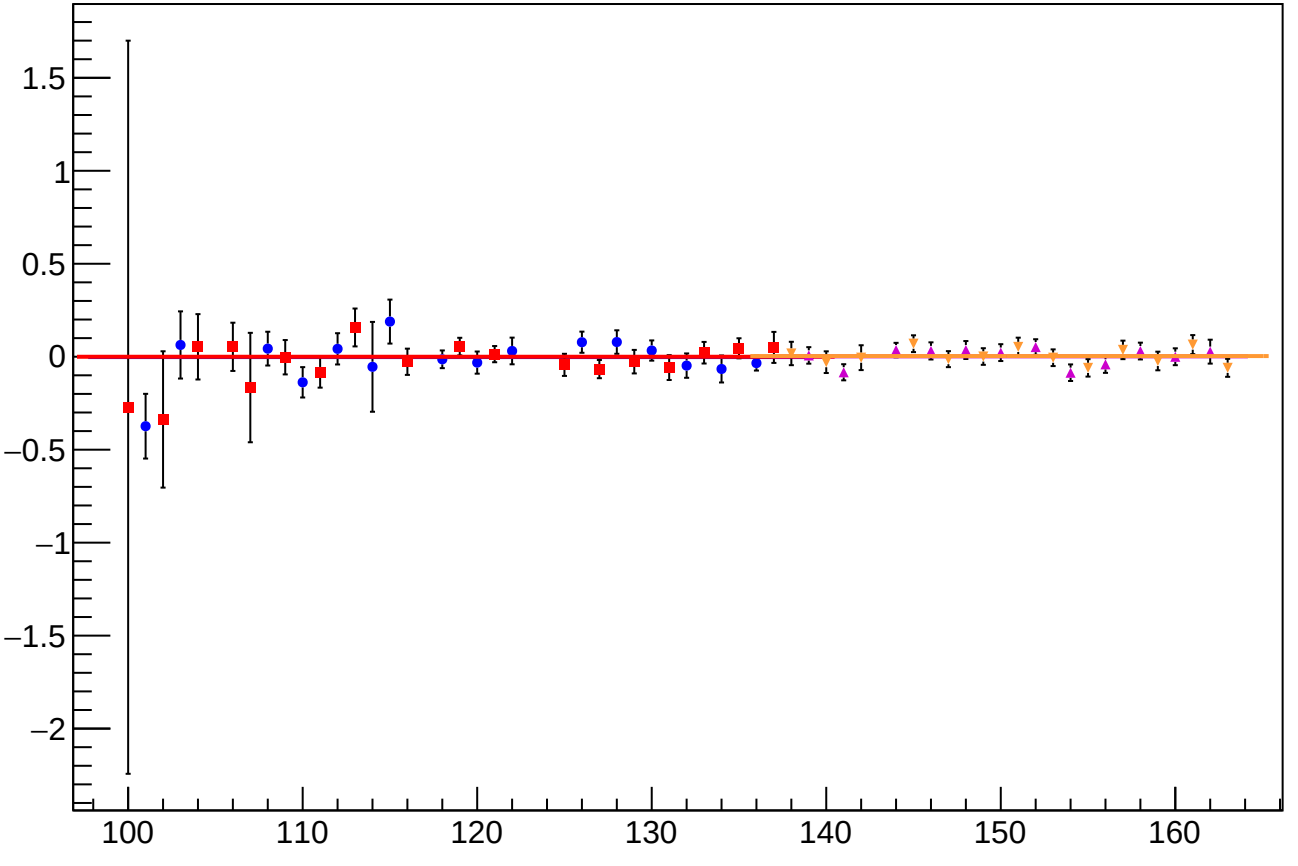
In: -0.000+/-0.000 χ^2/NDF:21.1/27

Out: -0.000+/-0.000 χ^2/NDF:21.6/30

All: -0.000+/-0.000 χ^2/NDF: 42.7/58


asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1620217.4/15
Left Out: 0.000+/-0.000 χ²/NDF:993781.5/12
Right Out: 0.000+/-0.000 χ²/NDF: 2068272.1/17
Left In: 0.000+/-0.000 χ²/NDF:694244.7/11
Left: 0.000+/-0.000 χ²/NDF: 1747293.1/24
Right: 0.000+/-0.000 χ²/NDF: 3719751.0/33
In: 0.000+/-0.000 χ²/NDF:3312874.9/27
Out: 0.000+/-0.000 χ²/NDF:3875418.8/30
All: 0.000+/-0.000 χ²/NDF: 7295422.1/58

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/11

Left: 0.003+/-0.009 χ^2/NDF: 21.9/24

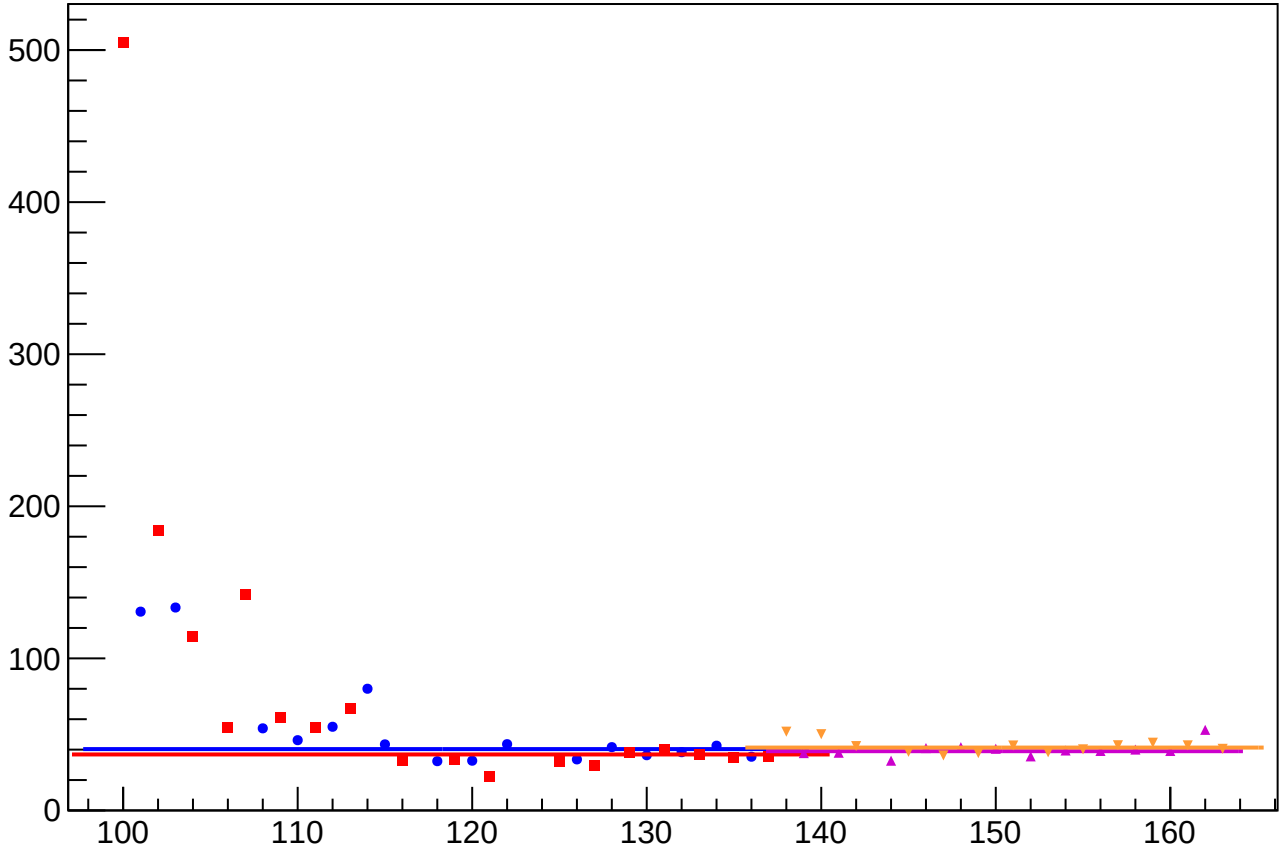
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:29.6/27

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.0/58

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.349+/-0.010 χ^2/NDF:175265.6/12

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.970+/-0.009 χ^2/NDF:176543.2/11

Left: 40.098+/-0.007 χ^2/NDF: 383157.0/24

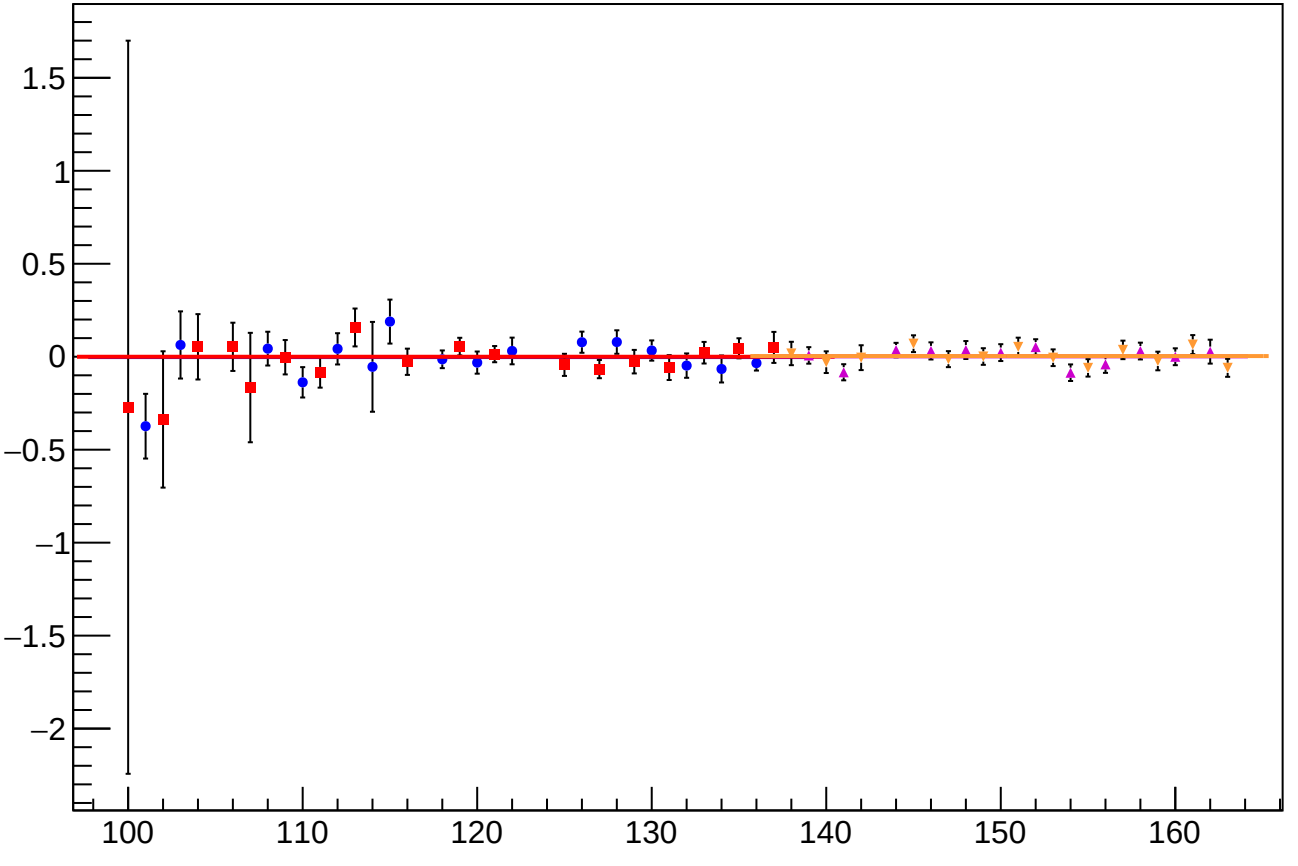
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.481+/-0.007 χ^2/NDF:1594924.3/27

Out: 39.512+/-0.008 χ^2/NDF:2099933.9/30

All: 39.496+/-0.005 χ^2/NDF: 3694867.1/58

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/11

Left: 0.003+/-0.009 χ^2/NDF: 21.9/24

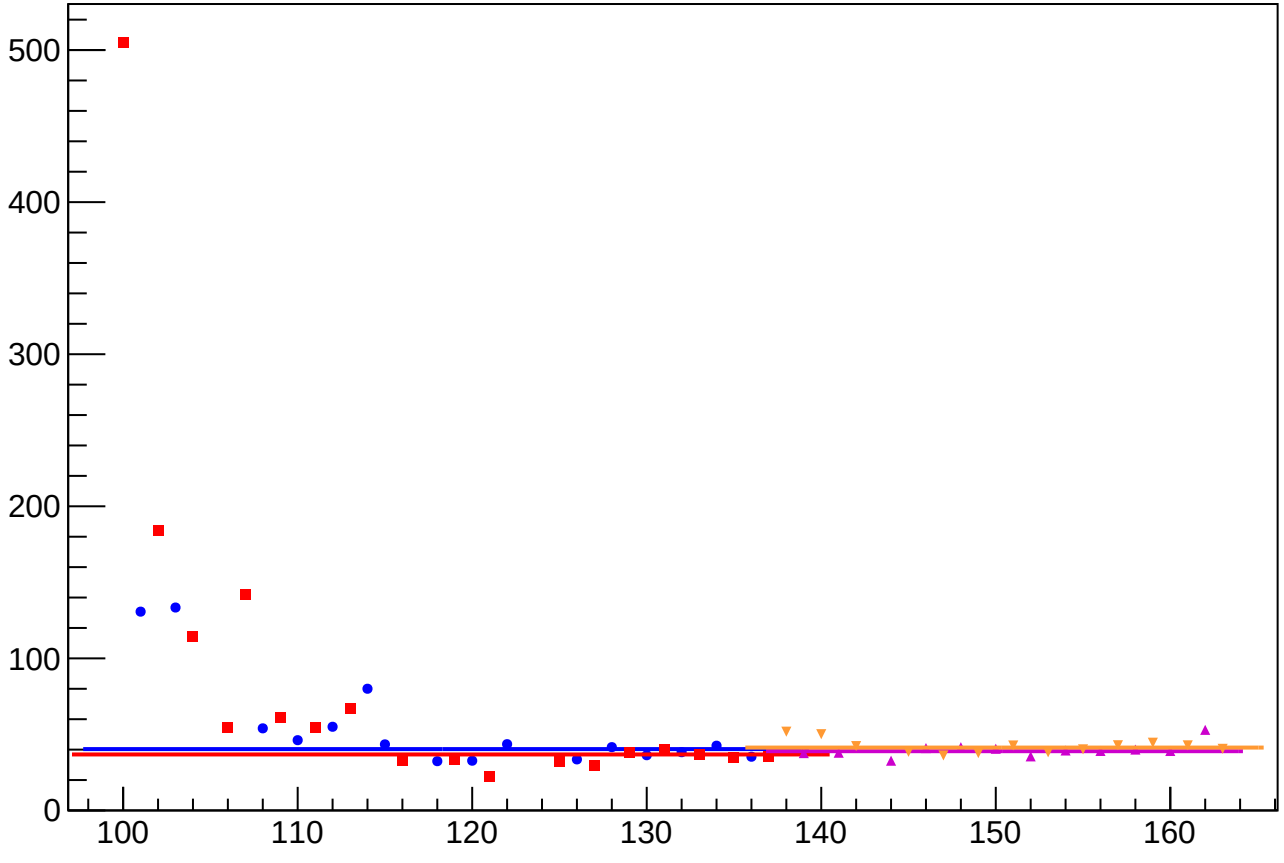
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:29.6/27

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.0/58

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 41.349+/-0.010 χ^2/NDF:175265.6/12

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 38.970+/-0.009 χ^2/NDF:176543.2/11

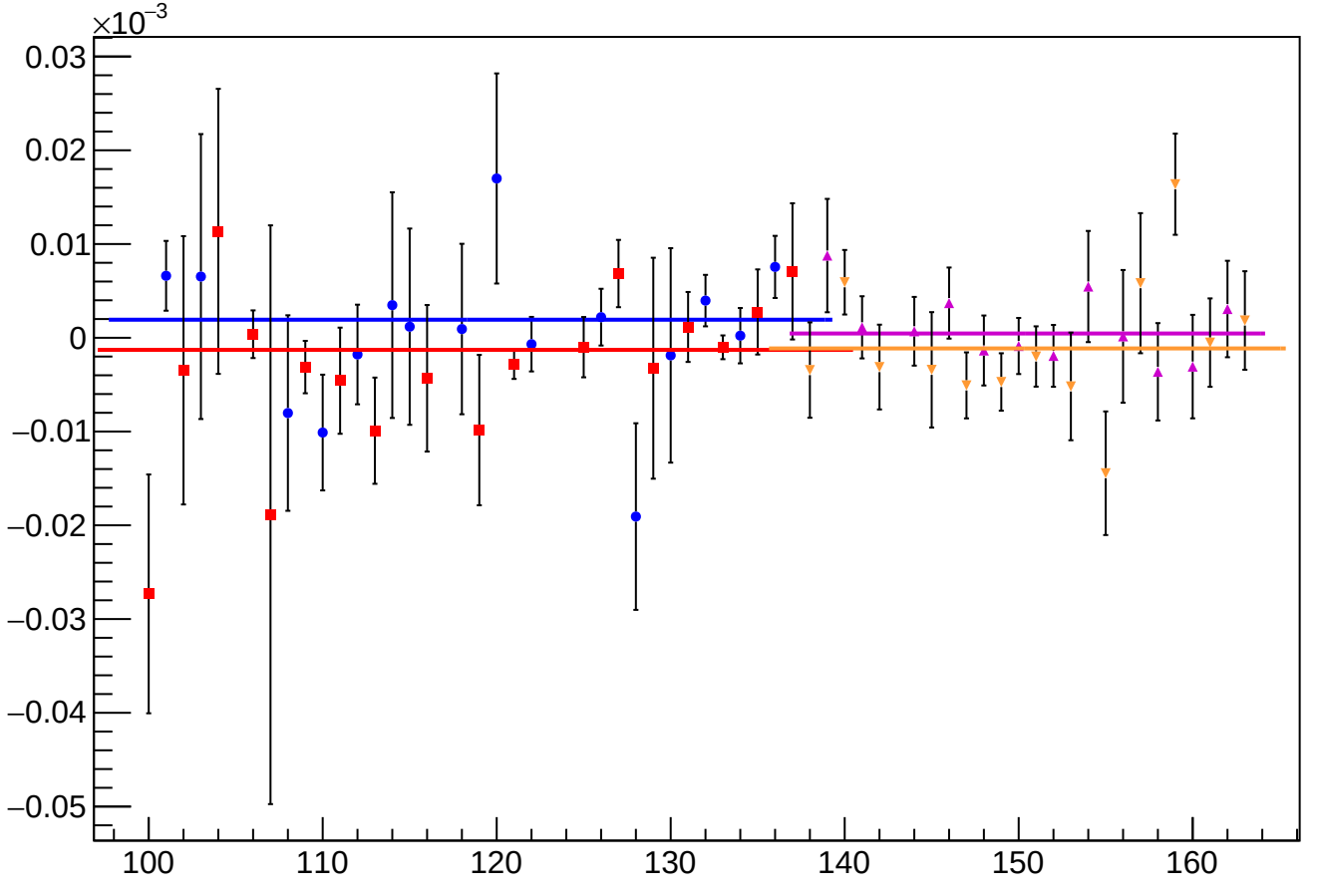
Left: 40.098+/-0.007 χ^2/NDF: 383157.0/24

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.481+/-0.007 χ^2/NDF:1594924.3/27

Out: 39.512+/-0.008 χ^2/NDF:2099933.9/30

All: 39.496+/-0.005 χ^2/NDF: 3694867.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/11

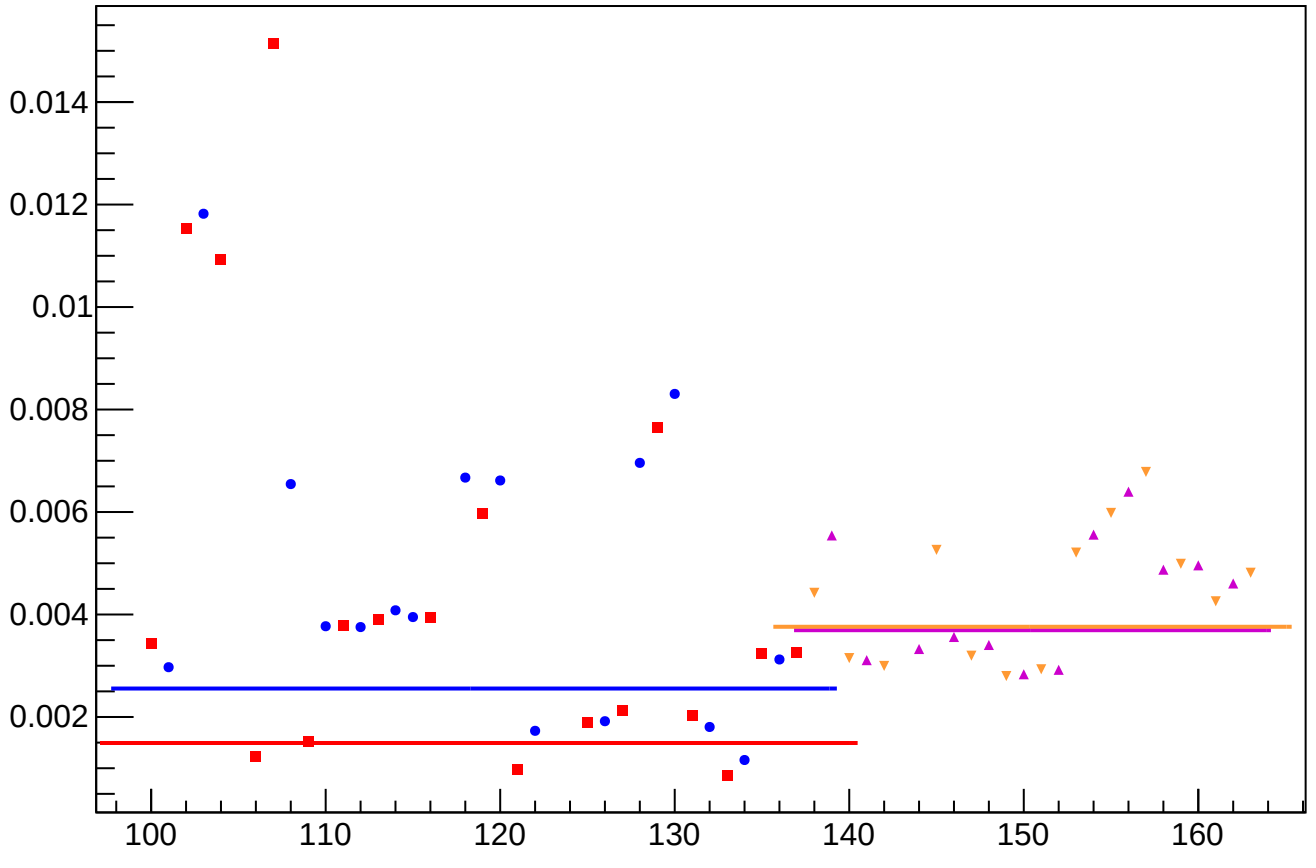
Left: -0.000+/-0.000 χ^2/NDF: 30.3/24

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:24.3/27

Out: -0.000+/-0.000 χ^2/NDF:42.7/30

All: -0.000+/-0.000 χ^2/NDF: 72.5/58



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:1542858.9/12

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1319473.5/11

Left: 0.004+/-0.000 χ^2/NDF: 2865375.5/24

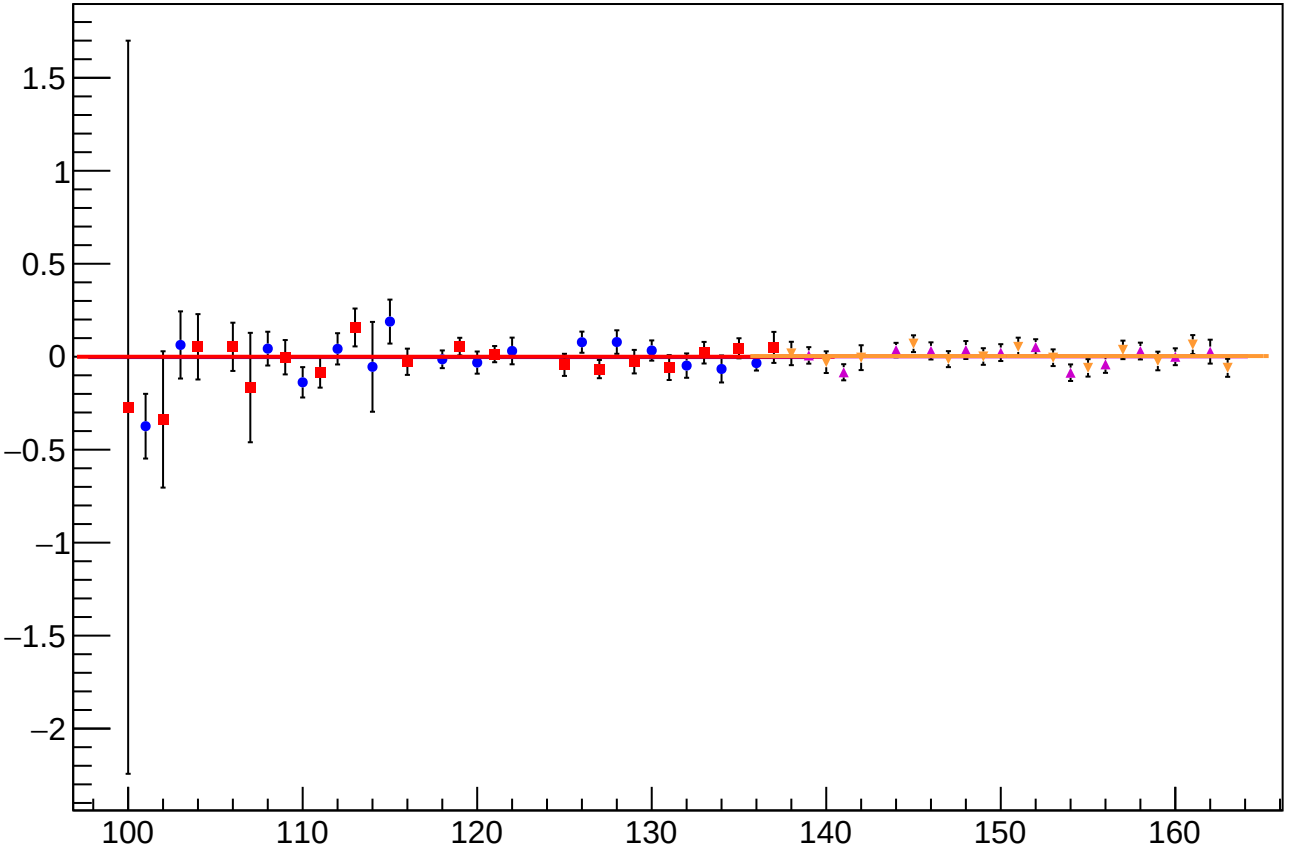
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6046137.1/27

Out: 0.002+/-0.000 χ^2/NDF:12100408.6/30

All: 0.002+/-0.000 χ^2/NDF: 19905502.7/58

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/11

Left: 0.003+/-0.009 χ^2/NDF: 21.9/24

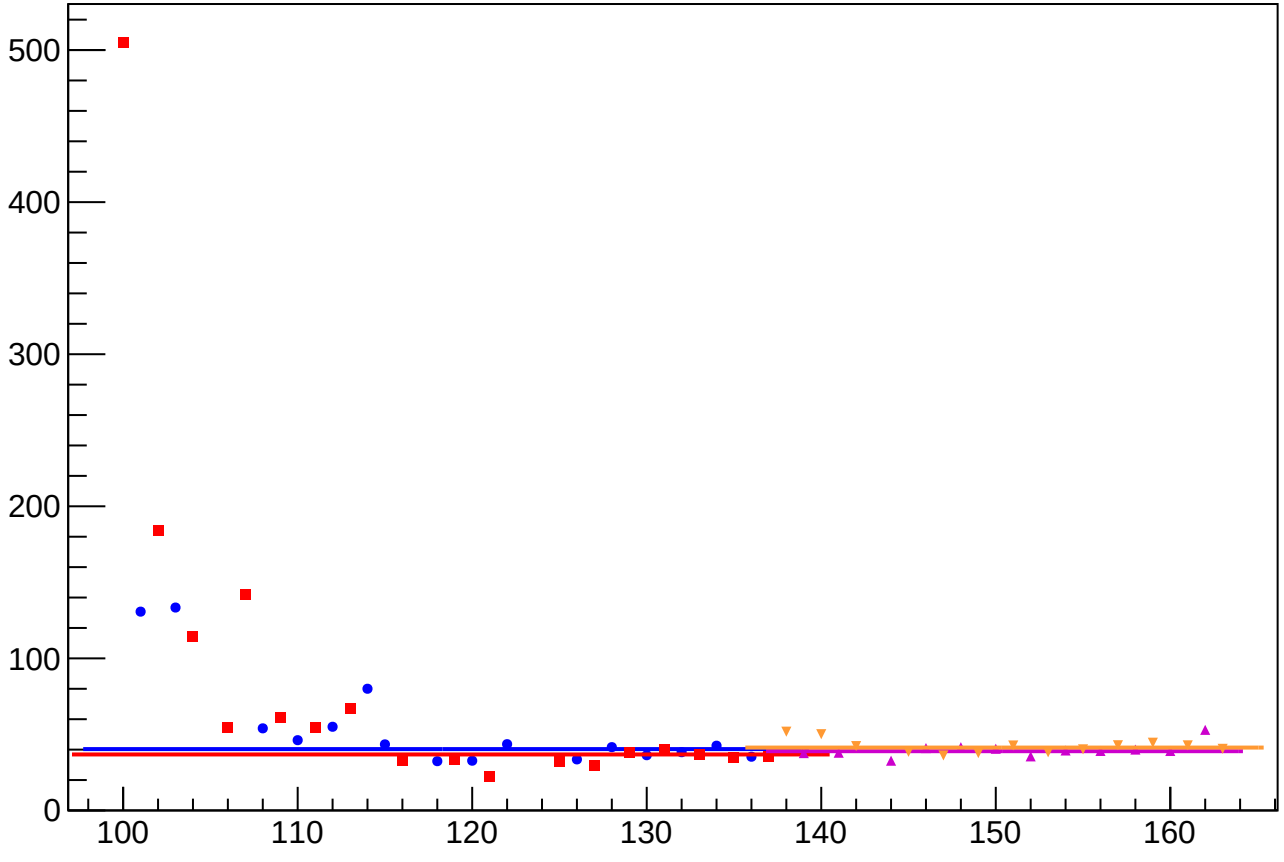
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:29.6/27

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.0/58

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.349+/-0.010 χ^2/NDF:175269.2/12

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.970+/-0.009 χ^2/NDF:176523.8/11

Left: 40.098+/-0.007 χ^2/NDF: 383143.1/24

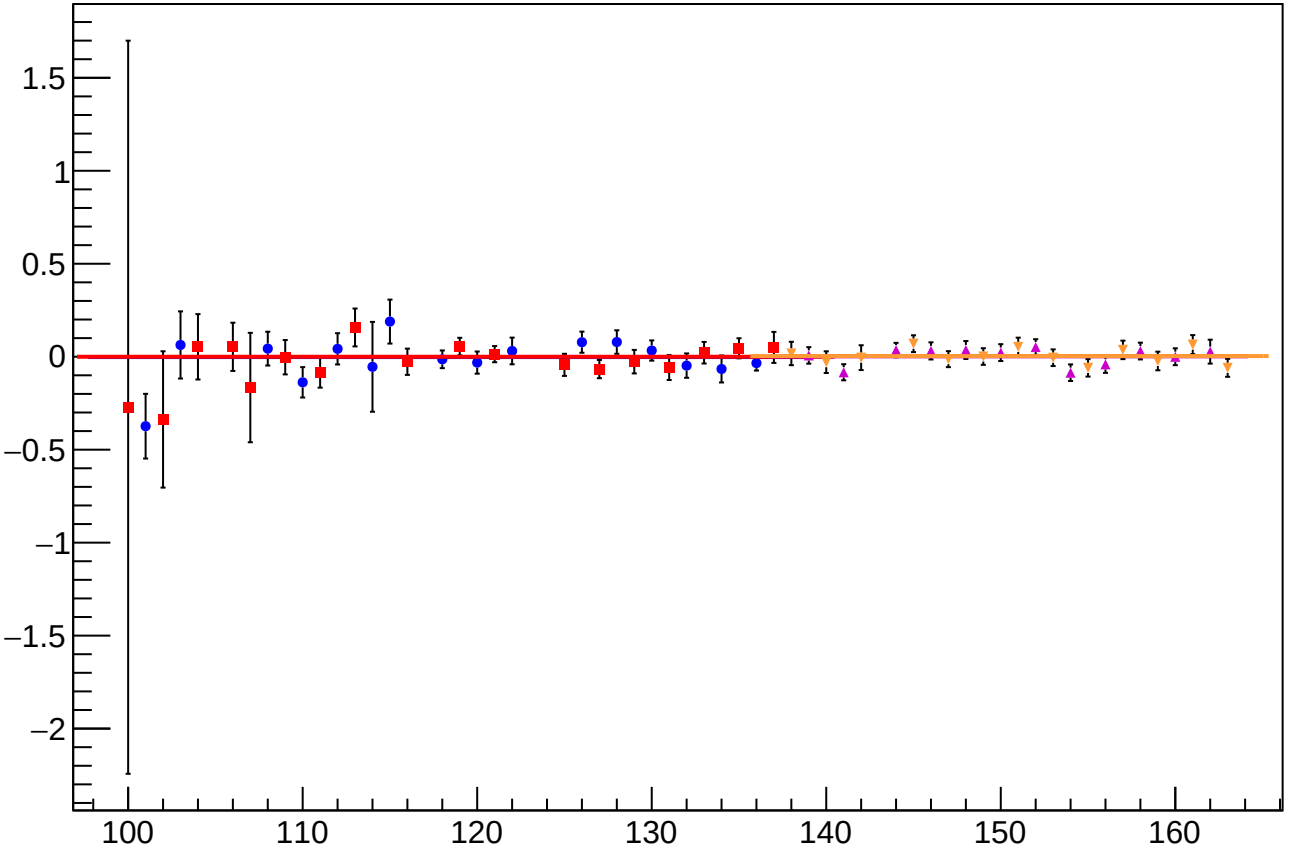
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.481+/-0.007 χ^2/NDF:1594811.4/27

Out: 39.512+/-0.008 χ^2/NDF:2099968.8/30

All: 39.496+/-0.005 χ^2/NDF: 3694788.7/58

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: 0.003+/-0.014 χ^2/NDF:9.4/12

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.002+/-0.013 χ^2/NDF:12.5/11

Left: 0.003+/-0.009 χ^2/NDF: 21.9/24

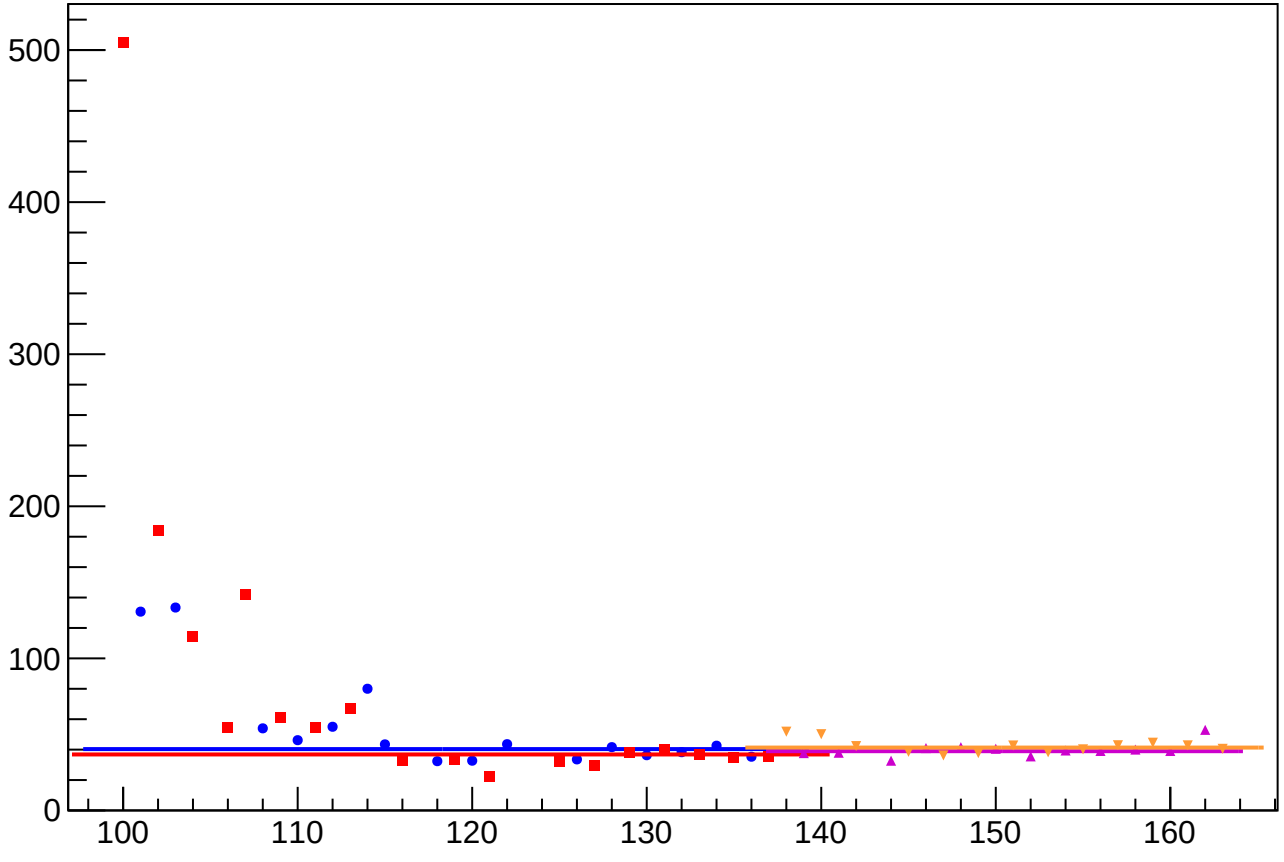
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.001+/-0.010 χ^2/NDF:29.6/27

Out: 0.002+/-0.011 χ^2/NDF:20.4/30

All: 0.001+/-0.007 χ^2/NDF: 50.0/58

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 41.349+/-0.010 χ^2/NDF:175269.2/12

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 38.970+/-0.009 χ^2/NDF:176523.8/11

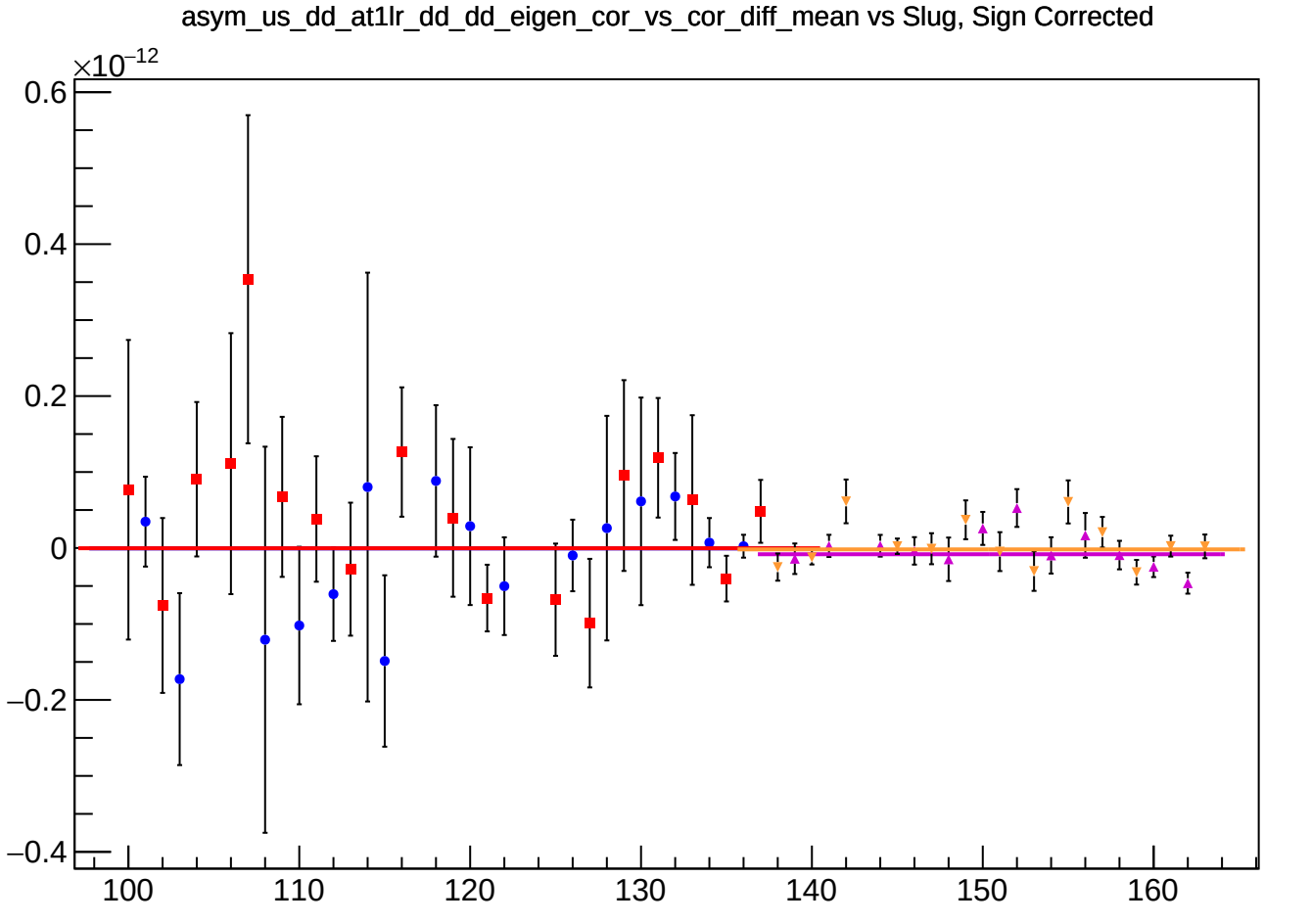
Left: 40.098+/-0.007 χ^2/NDF: 383143.1/24

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.481+/-0.007 χ^2/NDF:1594811.4/27

Out: 39.512+/-0.008 χ^2/NDF:2099968.8/30

All: 39.496+/-0.005 χ^2/NDF: 3694788.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/12

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:19.7/11

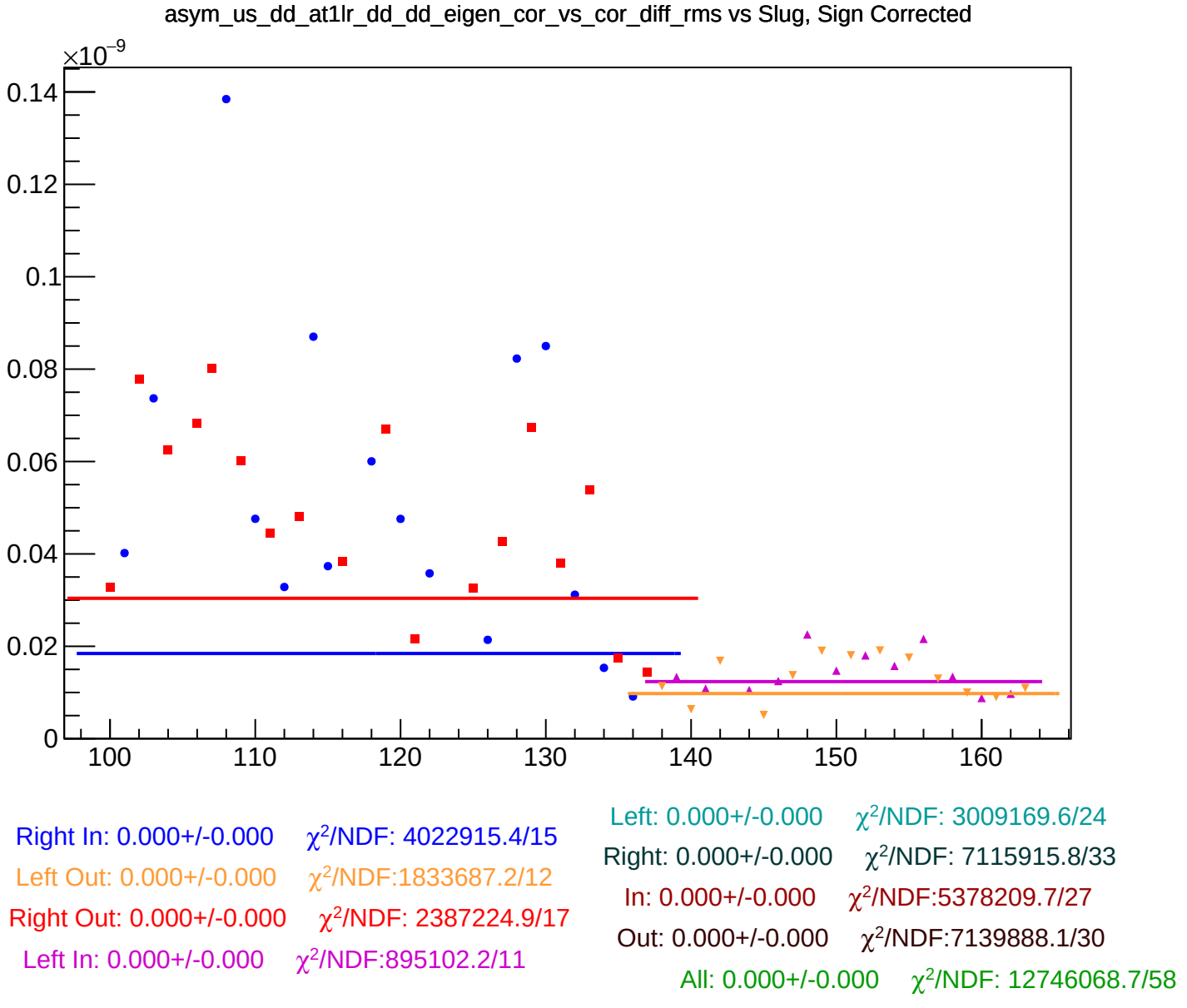
Left: -0.000+/-0.000 χ^2/NDF: 41.7/24

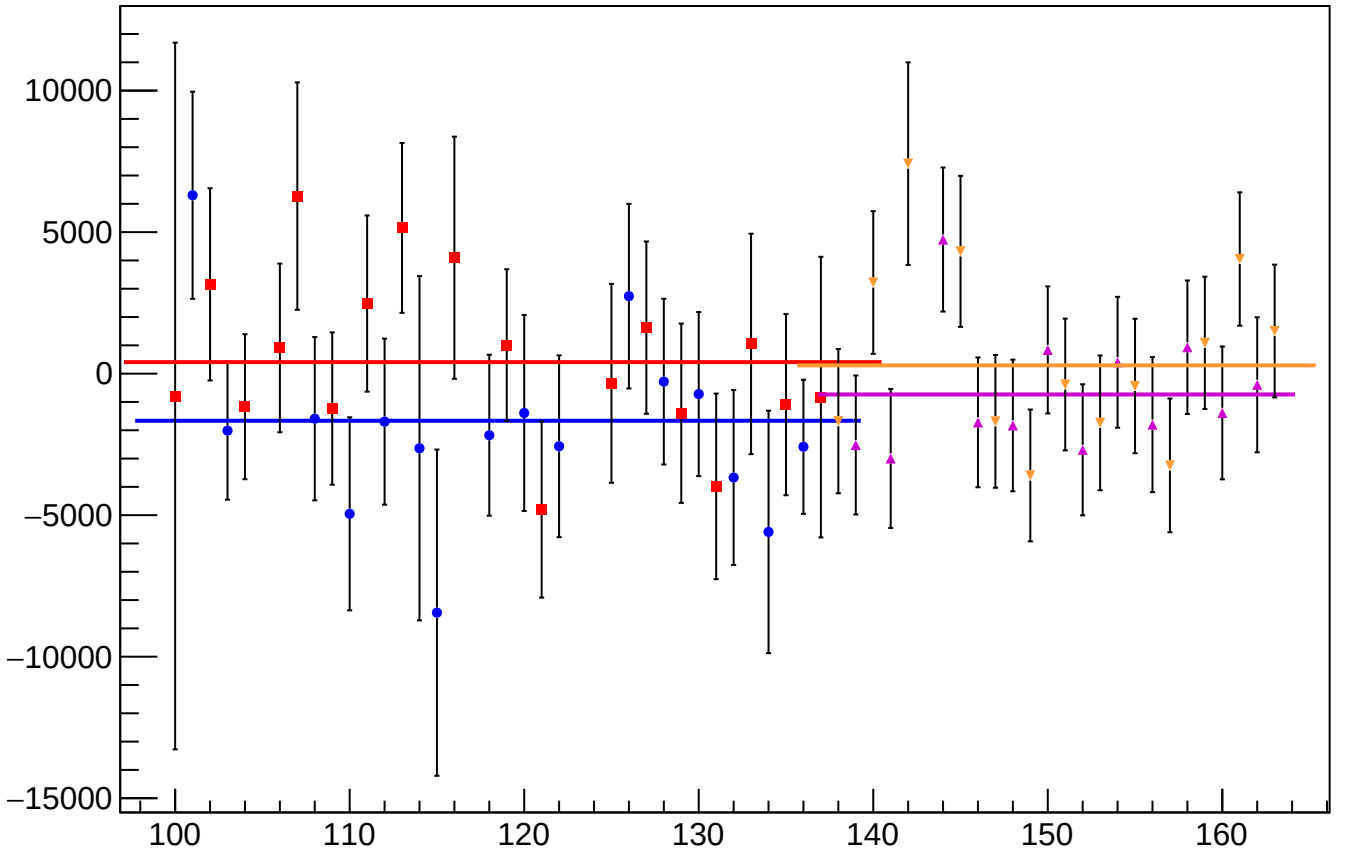
Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:29.9/27

Out: -0.000+/-0.000 χ^2/NDF:39.5/30

All: -0.000+/-0.000 χ^2/NDF: 70.1/58


asym_us_dd_at1lr_dd_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
Right In: 0.000+/-0.000 χ²/NDF: 4022915.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1833687.2/12
Right Out: 0.000+/-0.000 χ²/NDF: 2387224.9/17
Left In: 0.000+/-0.000 χ²/NDF:895102.2/11
Left: 0.000+/-0.000 χ²/NDF: 3009169.6/24
Right: 0.000+/-0.000 χ²/NDF: 7115915.8/33
In: 0.000+/-0.000 χ²/NDF:5378209.7/27
Out: 0.000+/-0.000 χ²/NDF:7139888.1/30
All: 0.000+/-0.000 χ²/NDF: 12746068.7/58



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.697+/-680.636 χ^2/NDF:17.8/12

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -735.384+/-682.634 χ^2/NDF:8.7/11

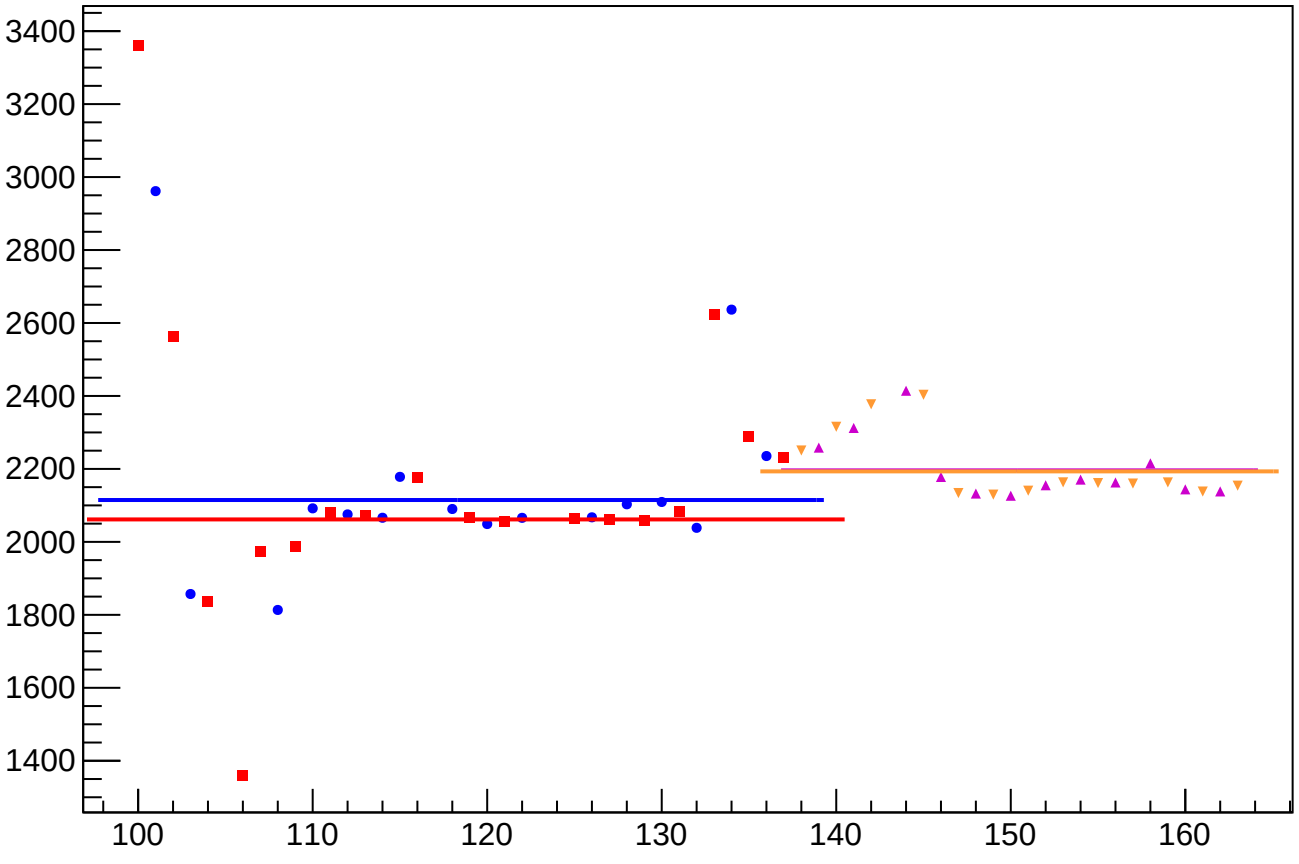
Left: -219.837+/-481.987 χ^2/NDF: 27.6/24

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1131.234+/-517.119 χ^2/NDF:20.2/27

Out: 342.247+/-512.027 χ^2/NDF:30.5/30

All: -387.203+/-363.845 χ^2/NDF: 54.8/58



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2196.052+/-0.483 χ^2/NDF:27555.1/11

Left: 2194.654+/-0.341 χ^2/NDF: 57838.1/24

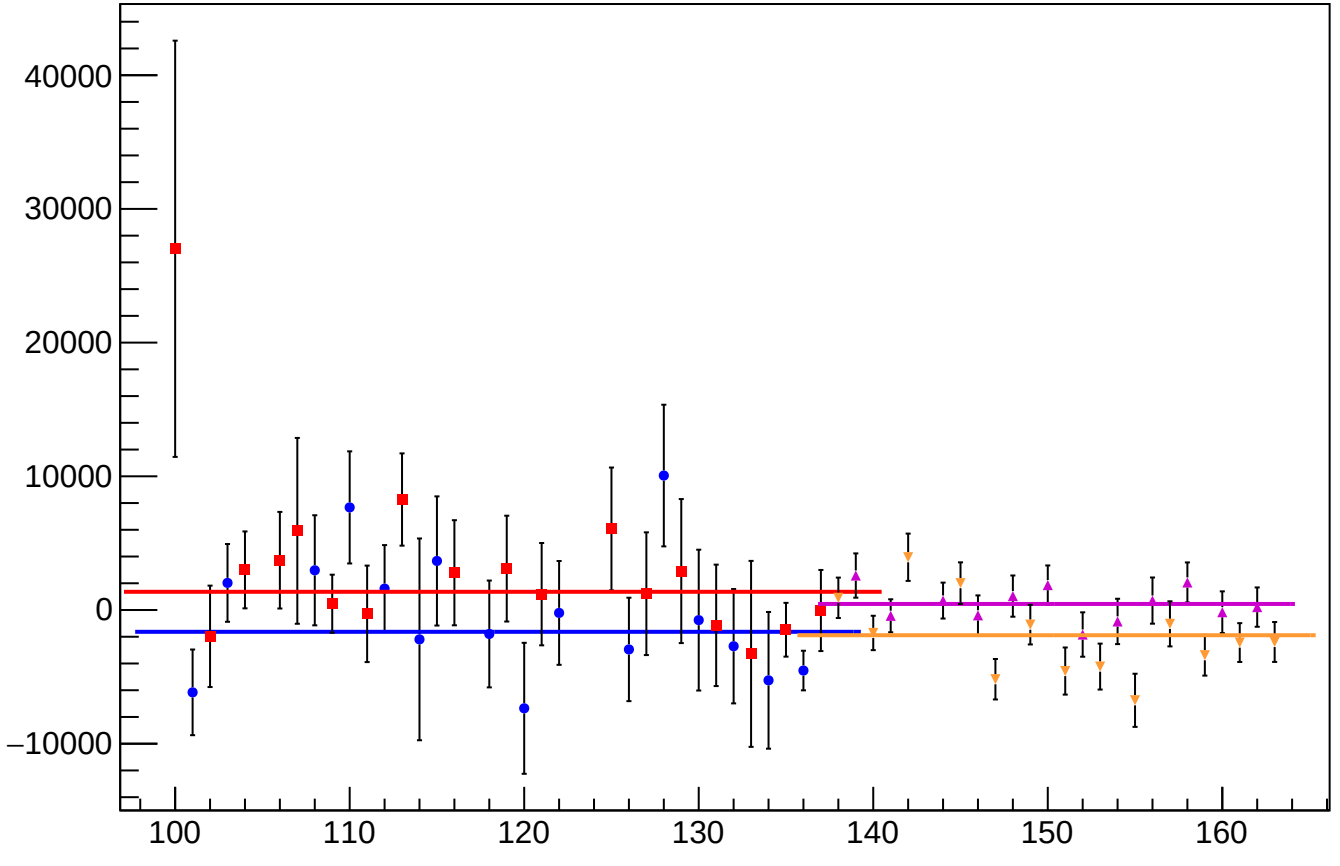
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2161.408+/-0.366 χ^2/NDF:229563.7/27

Out: 2136.094+/-0.362 χ^2/NDF:311959.4/30

All: 2148.626+/-0.257 χ^2/NDF: 543943.1/58

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: -1886.239+/-434.914 χ^2/NDF:37.2/12

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 453.205+/-435.420 χ^2/NDF:7.4/11

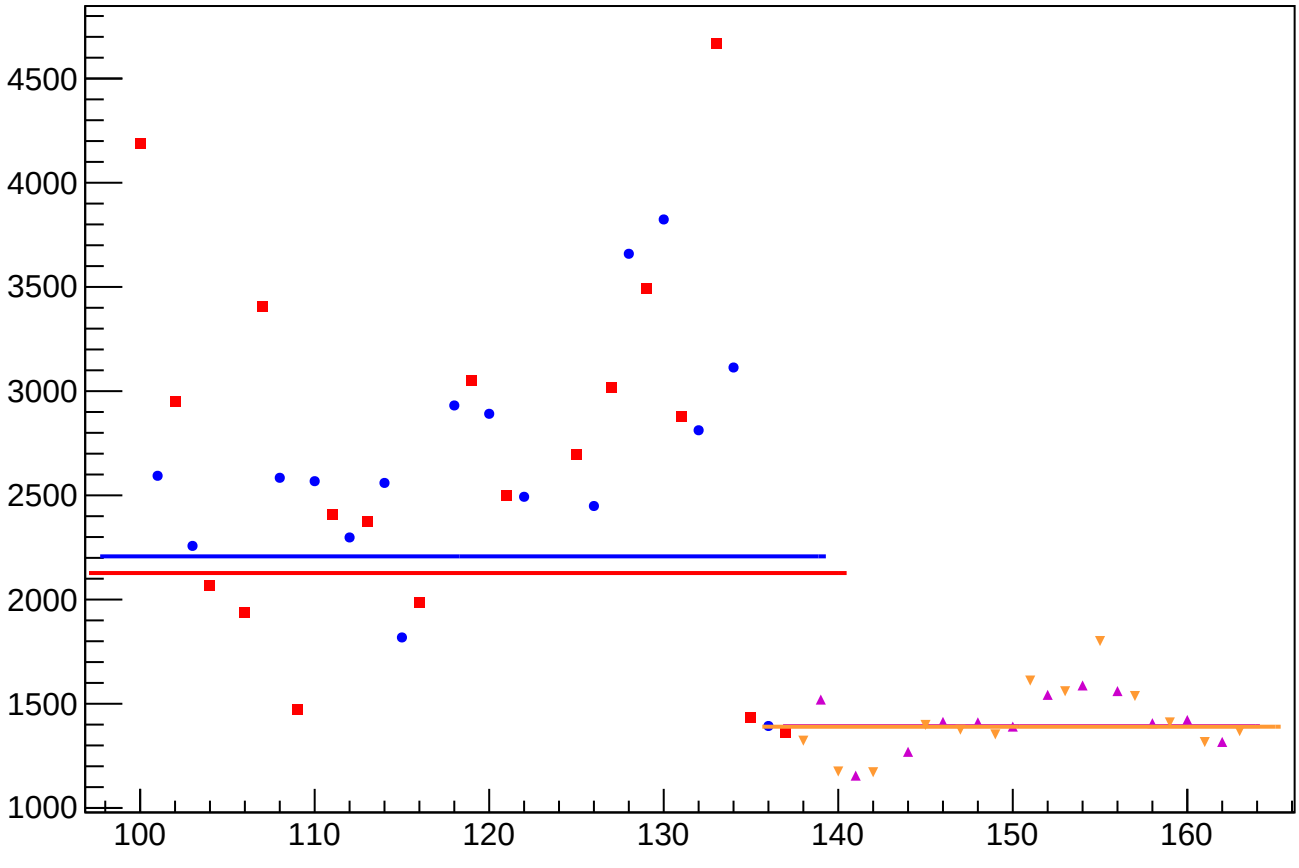
Left: -717.875+/-307.709 χ^2/NDF: 59.1/24

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 29.951+/-388.689 χ^2/NDF:34.9/27

Out: -1200.131+/-386.258 χ^2/NDF:62.5/30

All: -588.949+/-273.981 χ^2/NDF: 102.4/58



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1389.917+/-0.308 χ^2/NDF:249692.1/12

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1392.714+/-0.308 χ^2/NDF:171527.2/11

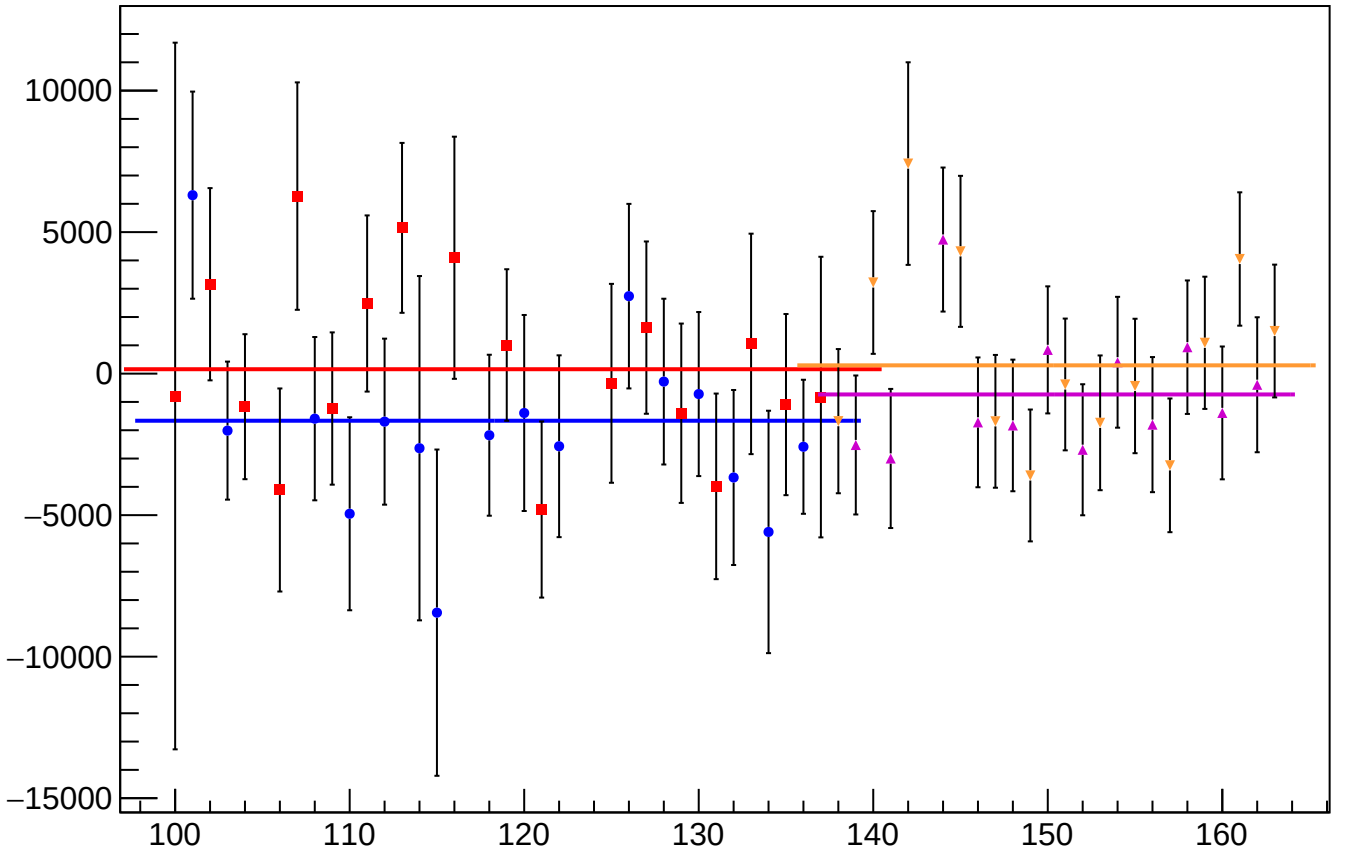
Left: 1391.314+/-0.218 χ^2/NDF: 421260.7/24

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1558.170+/-0.275 χ^2/NDF:2842495.8/27

Out: 1545.662+/-0.273 χ^2/NDF:2921924.5/30

All: 1551.877+/-0.194 χ^2/NDF: 5765462.4/58



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.956+/-680.636 χ^2/NDF:17.8/12

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -735.323+/-682.634 χ^2/NDF:8.7/11

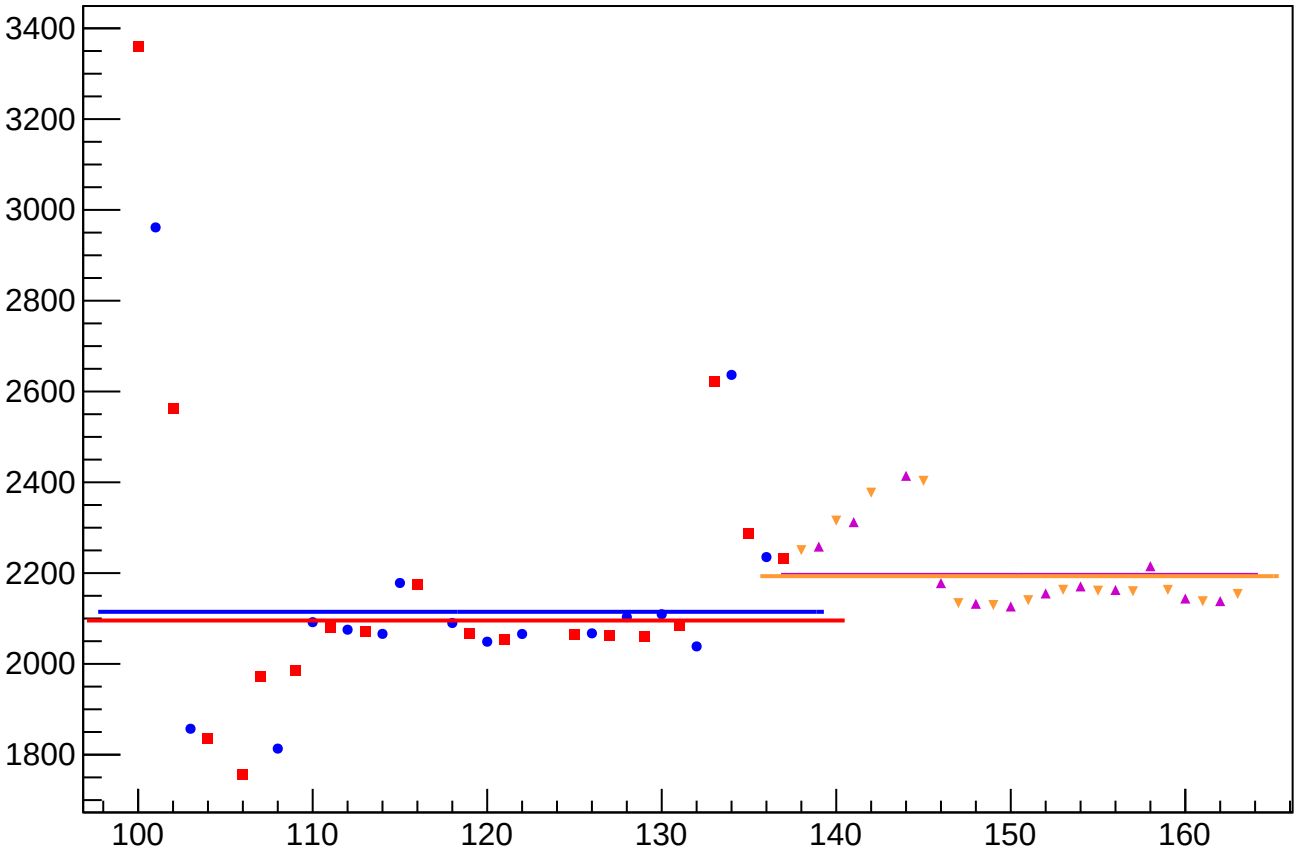
Left: -219.676+/-481.987 χ^2/NDF: 27.6/24

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1131.167+/-517.119 χ^2/NDF:20.2/27

Out: 234.126+/-514.386 χ^2/NDF:32.0/30

All: -444.903+/-364.688 χ^2/NDF: 55.7/58



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2193.264+/-0.481 χ^2/NDF:30266.2/12

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2196.052+/-0.483 χ^2/NDF:27555.1/11

Left: 2194.654+/-0.341 χ^2/NDF: 57838.1/24

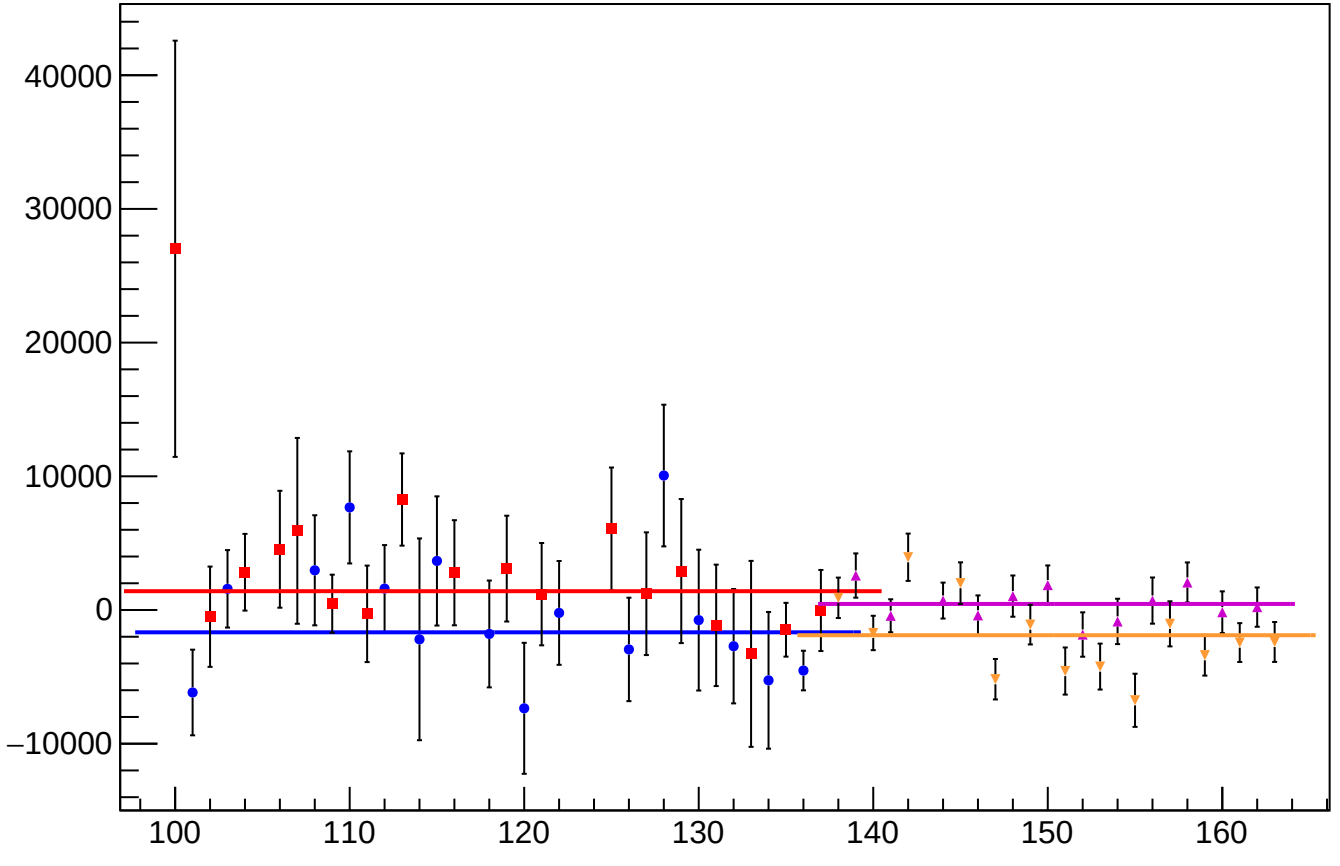
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2161.408+/-0.366 χ^2/NDF:229564.0/27

Out: 2151.379+/-0.364 χ^2/NDF:197287.5/30

All: 2156.367+/-0.258 χ^2/NDF: 427229.6/58

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1886.121+/-434.917 χ^2/NDF:37.2/12

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 453.105+/-435.420 χ^2/NDF:7.4/11

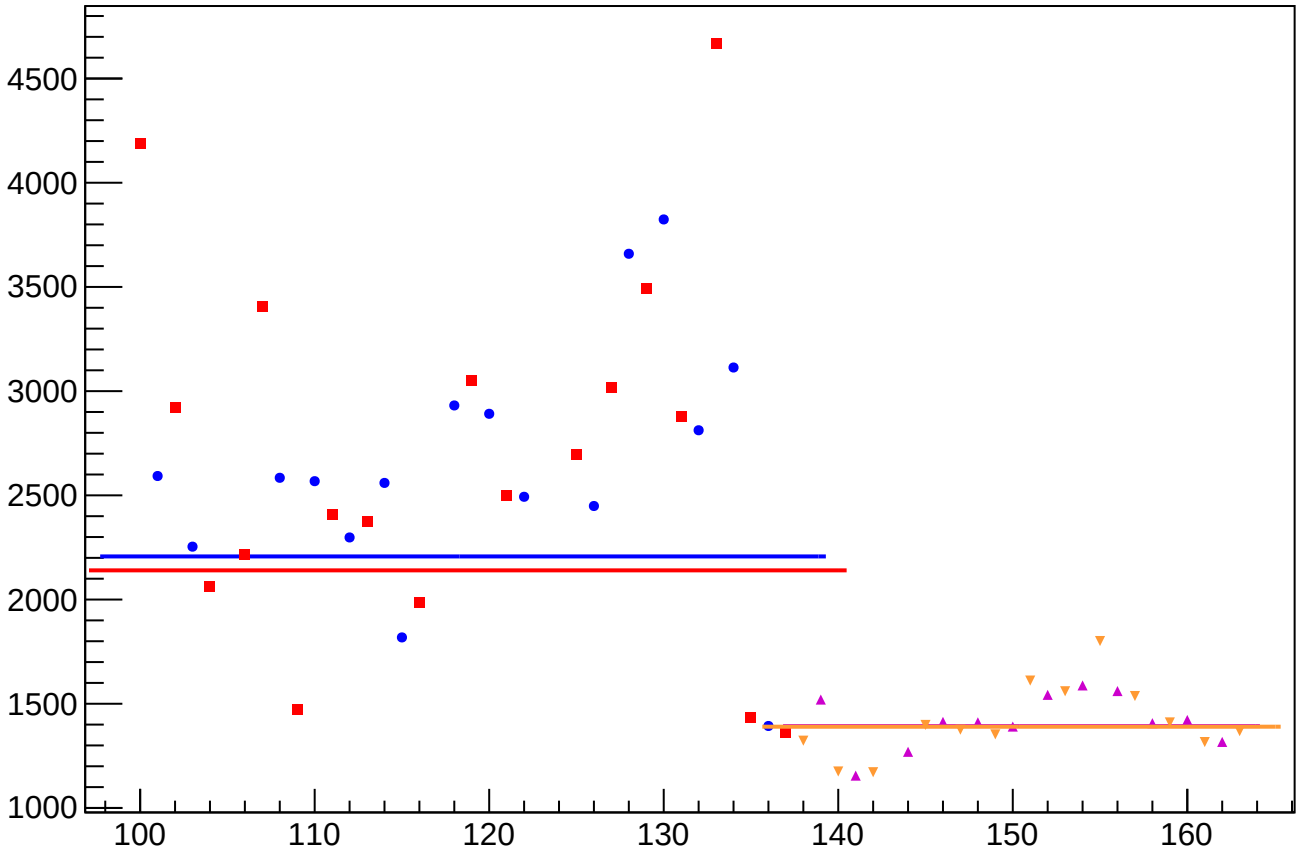
Left: -717.858+/-307.710 χ^2/NDF: 59.1/24

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 21.919+/-388.662 χ^2/NDF:34.8/27

Out: -1198.900+/-386.900 χ^2/NDF:62.2/30

All: -591.265+/-274.201 χ^2/NDF: 101.9/58



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1389.927+/-0.308 χ^2/NDF:249637.8/12

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1392.712+/-0.308 χ^2/NDF:171566.5/11

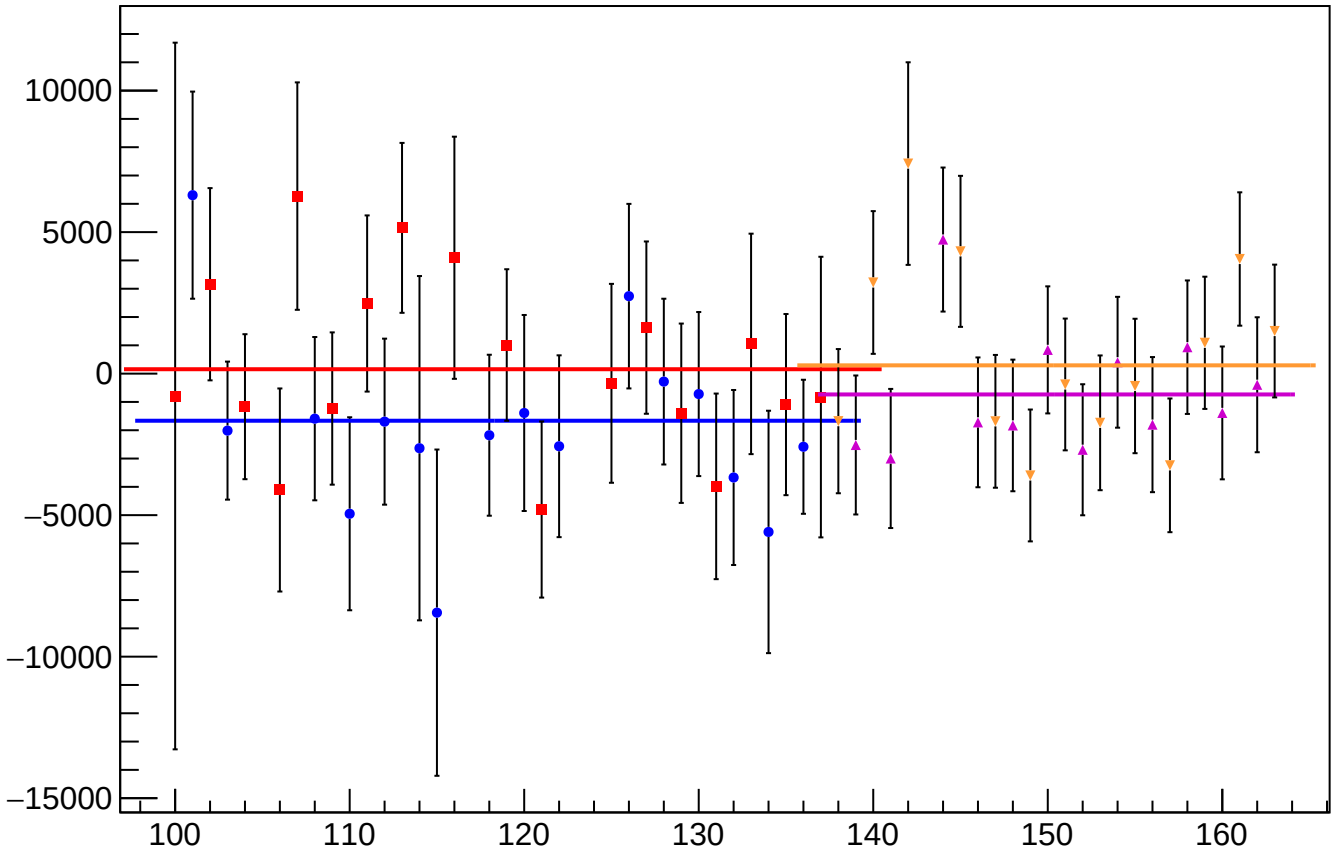
Left: 1391.318+/-0.218 χ^2/NDF: 421245.3/24

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1558.189+/-0.275 χ^2/NDF:2841891.2/27

Out: 1546.422+/-0.274 χ^2/NDF:2939236.1/30

All: 1552.279+/-0.194 χ^2/NDF: 5782048.2/58



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 292.956+/-680.636 χ^2/NDF:17.8/12

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -735.323+/-682.634 χ^2/NDF:8.7/11

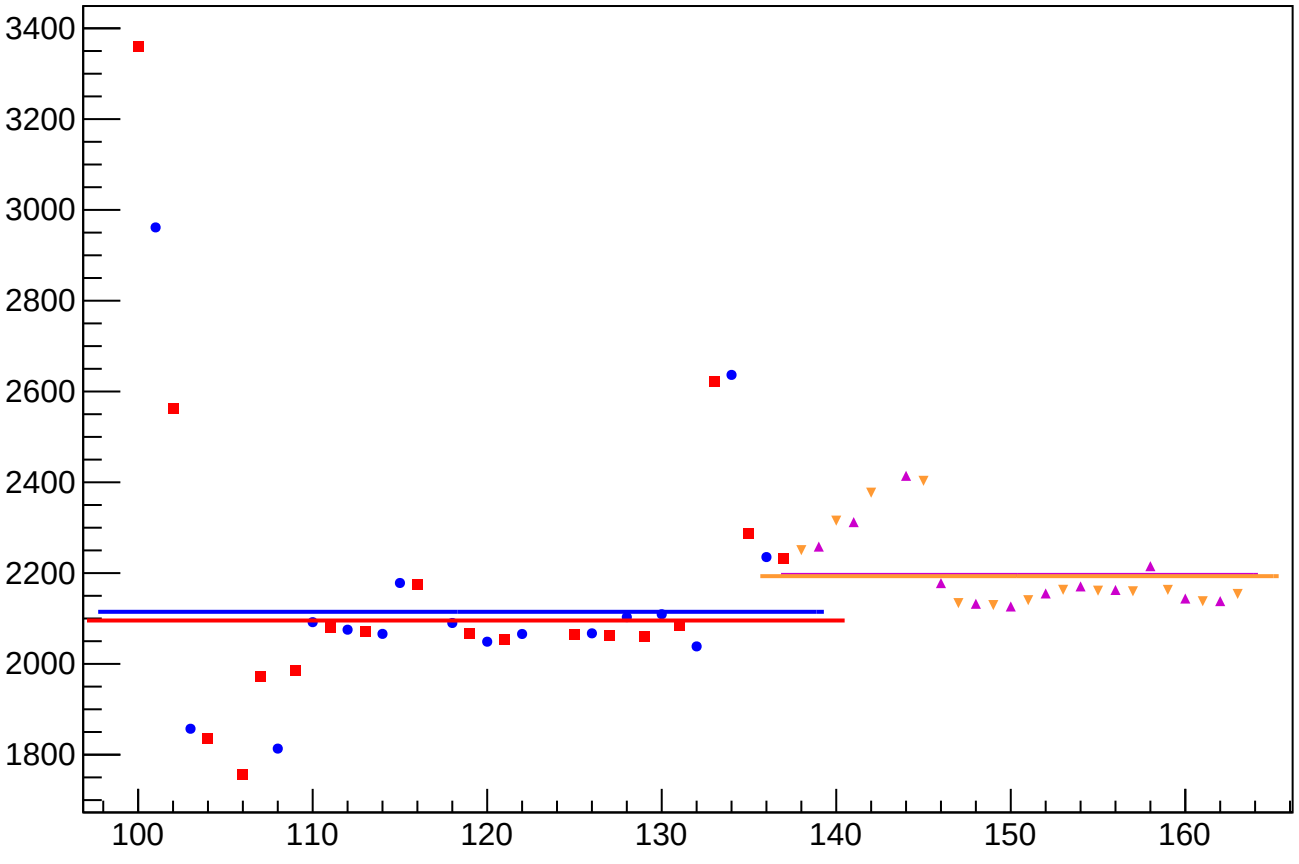
Left: -219.676+/-481.987 χ^2/NDF: 27.6/24

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

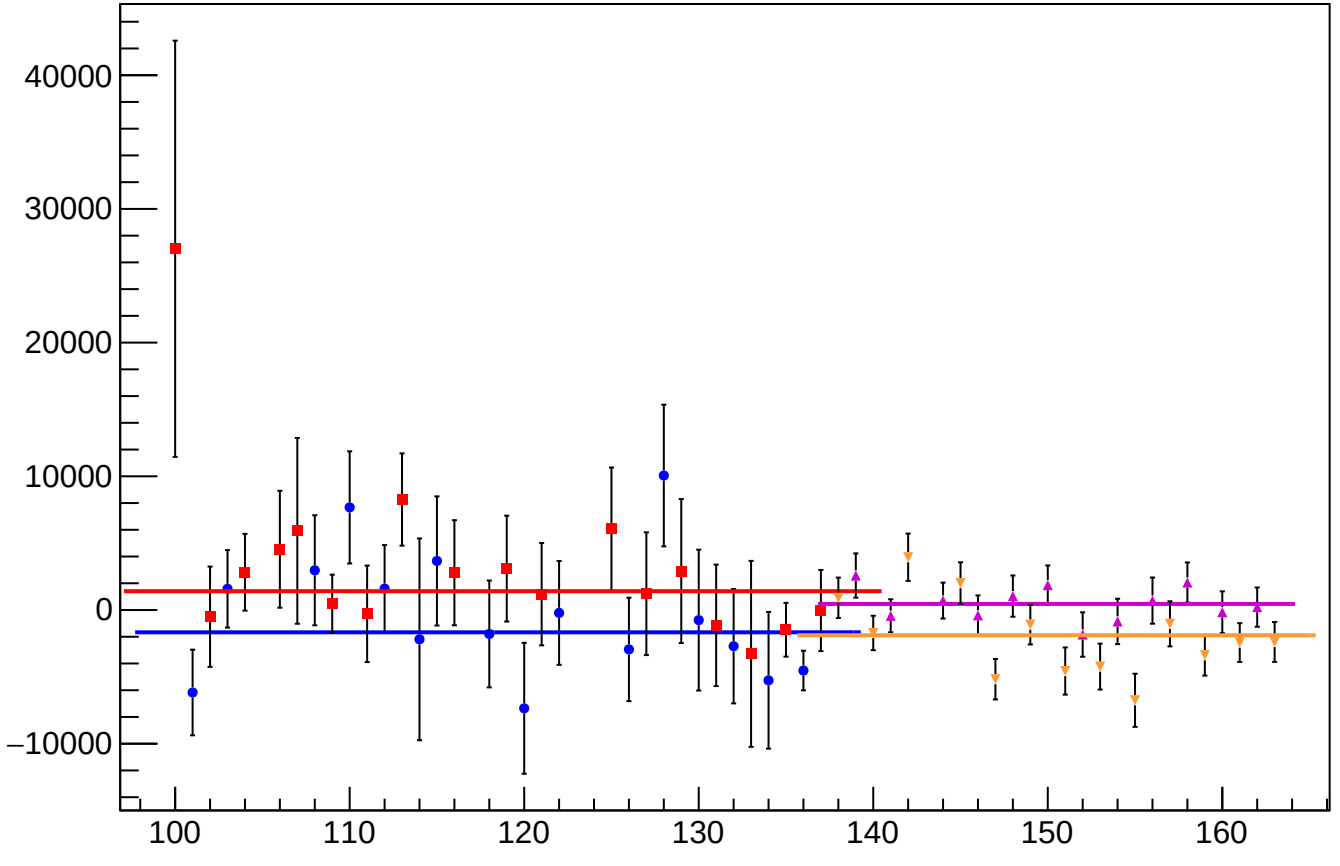
In: -1131.167+/-517.119 χ^2/NDF:20.2/27

Out: 234.126+/-514.386 χ^2/NDF:32.0/30

All: -444.903+/-364.688 χ^2/NDF: 55.7/58


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2193.264+/-0.481 χ²/NDF:30266.2/12
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2196.052+/-0.483 χ²/NDF:27555.1/11
Left: 2194.654+/-0.341 χ²/NDF: 57838.1/24
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2161.408+/-0.366 χ²/NDF:229564.0/27
Out: 2151.379+/-0.364 χ²/NDF:197287.5/30
All: 2156.367+/-0.258 χ²/NDF: 427229.6/58

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: -1886.121+/-434.917 χ^2/NDF:37.2/12

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 453.105+/-435.420 χ^2/NDF:7.4/11

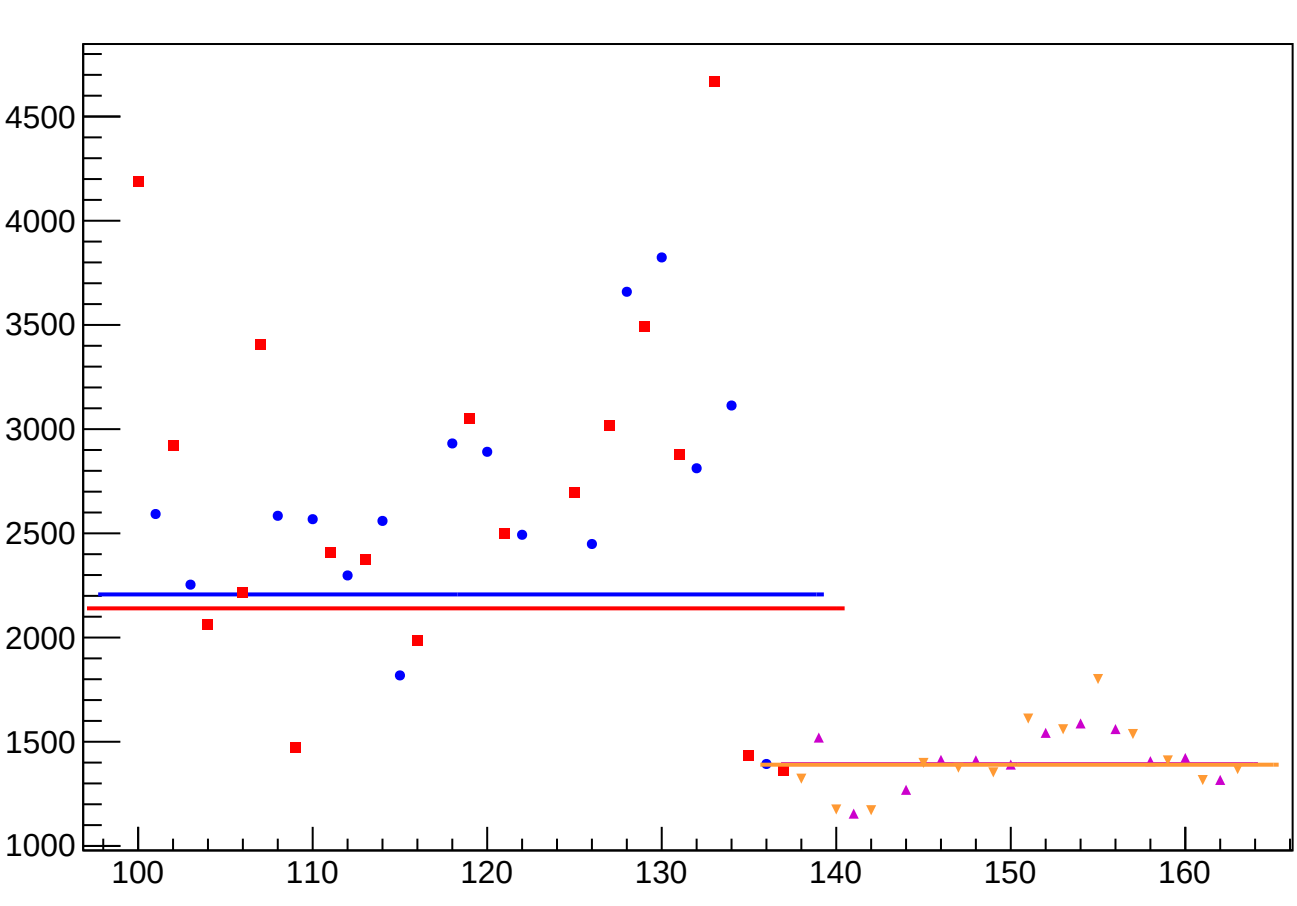
Left: -717.858+/-307.710 χ^2/NDF: 59.1/24

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 21.919+/-388.662 χ^2/NDF:34.8/27

Out: -1198.900+/-386.900 χ^2/NDF:62.2/30

All: -591.265+/-274.201 χ^2/NDF: 101.9/58



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1389.927+/-0.308 χ^2/NDF:249637.8/12

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1392.712+/-0.308 χ^2/NDF:171566.5/11

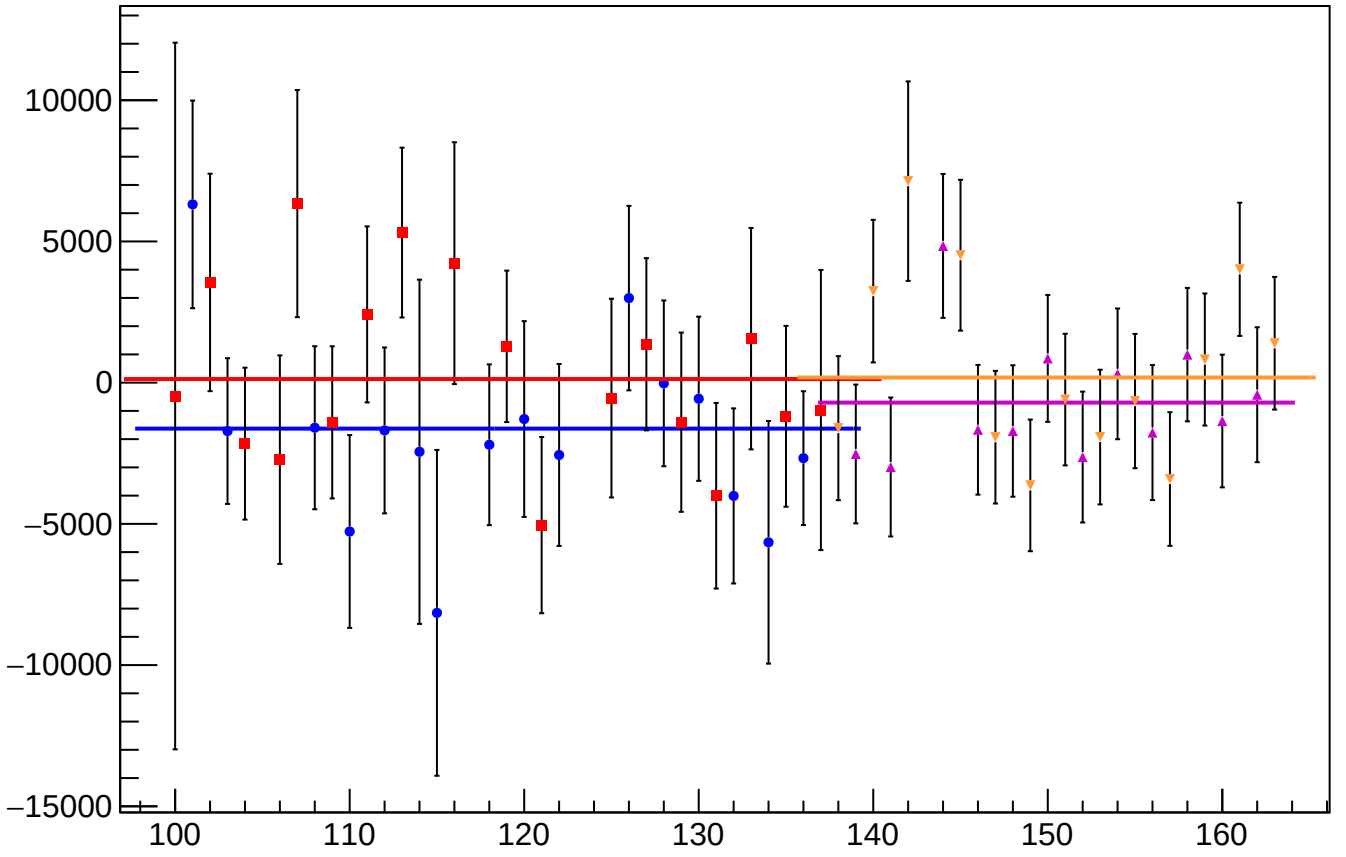
Left: 1391.318+/-0.218 χ^2/NDF: 421245.3/24

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1558.189+/-0.275 χ^2/NDF:2841891.2/27

Out: 1546.422+/-0.274 χ^2/NDF:2939236.1/30

All: 1552.279+/-0.194 χ^2/NDF: 5782048.2/58



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: 183.476+/-681.094 χ^2/NDF:18.3/12

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -706.571+/-683.412 χ^2/NDF:8.7/11

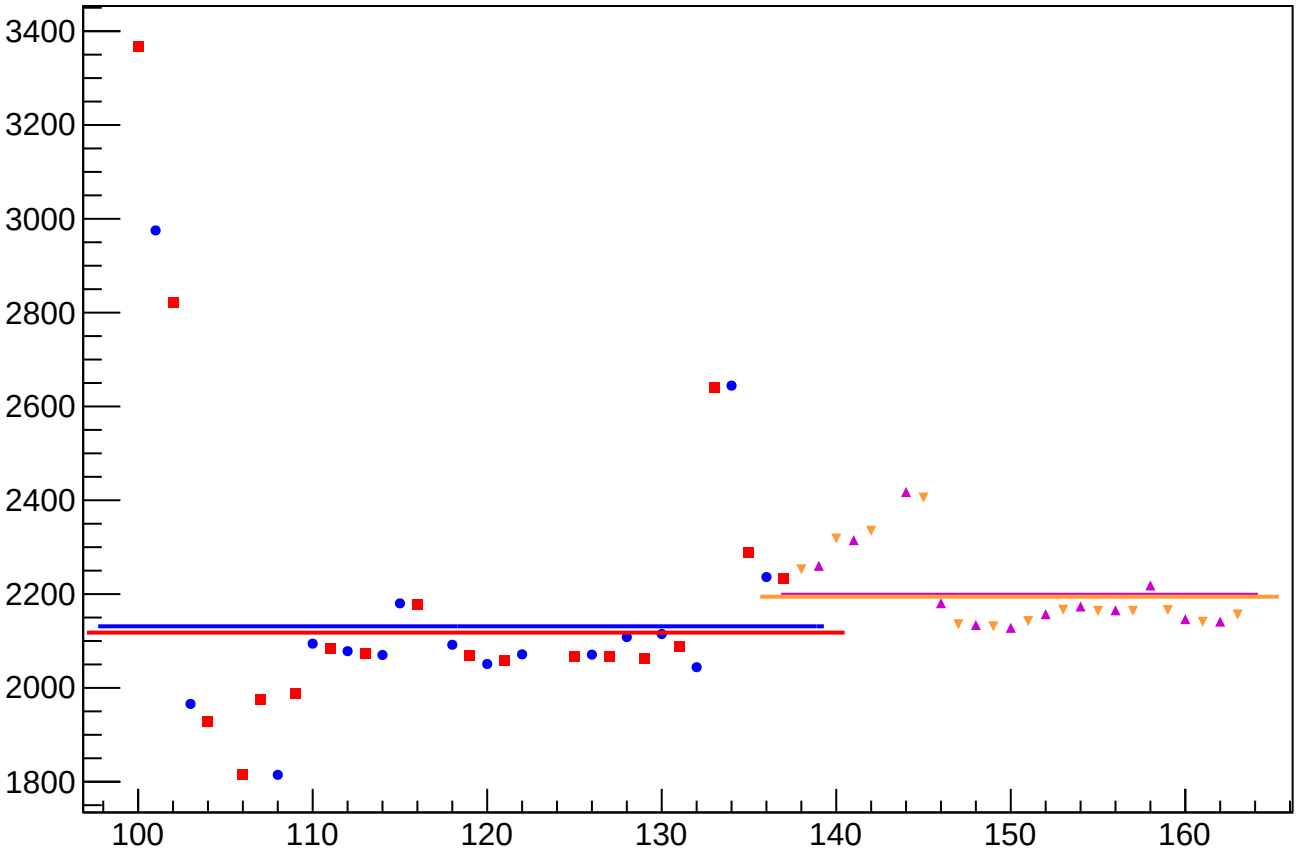
Left: -260.036+/-482.424 χ^2/NDF: 27.8/24

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -1096.301+/-519.065 χ^2/NDF:20.8/27

Out: 160.066+/-517.480 χ^2/NDF:32.8/30

All: -466.196+/-366.473 χ^2/NDF: 56.5/58



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2194.438+/-0.482 χ^2/NDF:28057.0/12

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2198.545+/-0.483 χ^2/NDF:27656.2/11

Left: 2196.485+/-0.341 χ^2/NDF: 55749.5/24

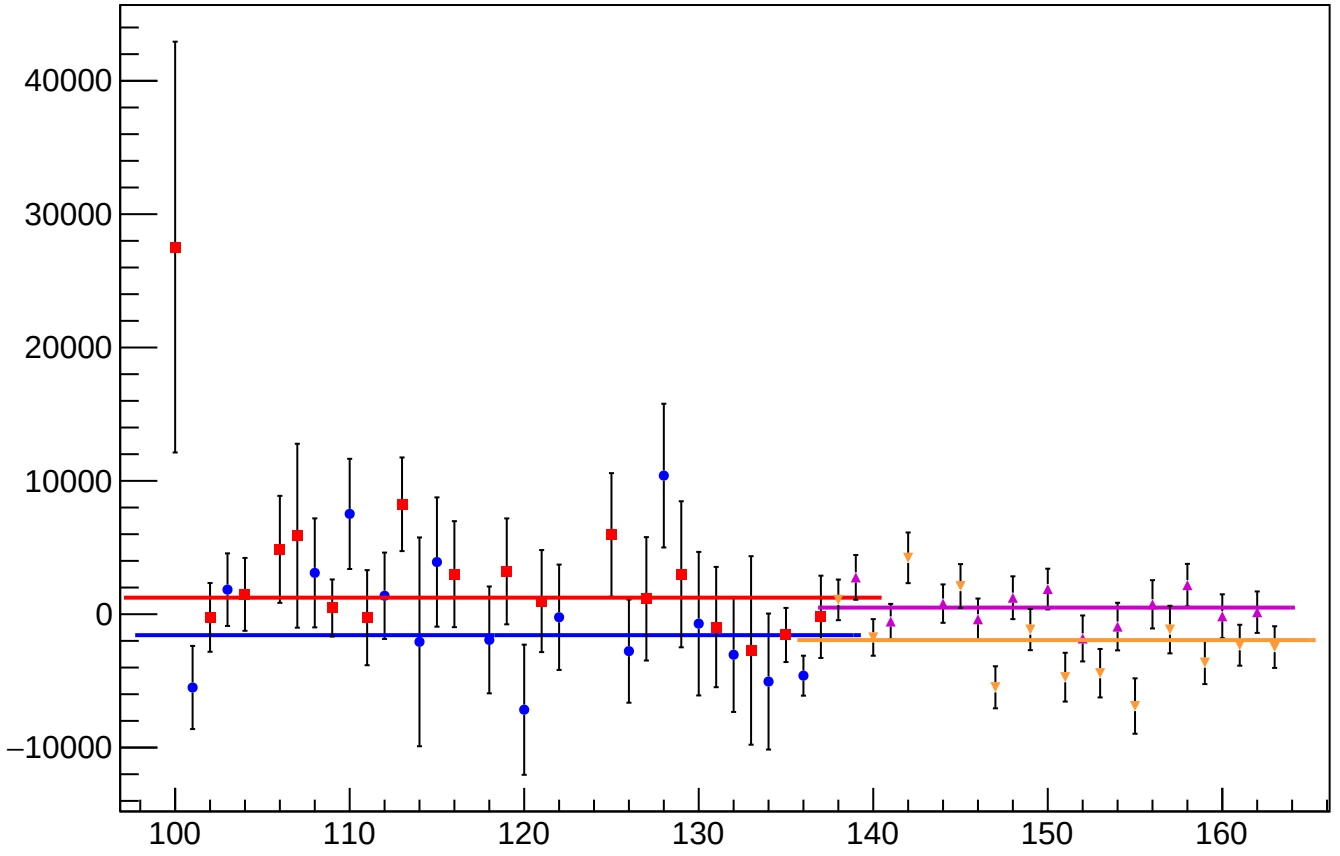
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2170.091+/-0.367 χ^2/NDF:211793.4/27

Out: 2162.068+/-0.366 χ^2/NDF:202365.6/30

All: 2166.068+/-0.259 χ^2/NDF: 414398.6/58

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: -1940.337+/-456.701 χ^2/NDF:37.1/12

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 496.254+/-457.608 χ^2/NDF:7.6/11

Left: -724.458+/-323.257 χ^2/NDF: 58.9/24

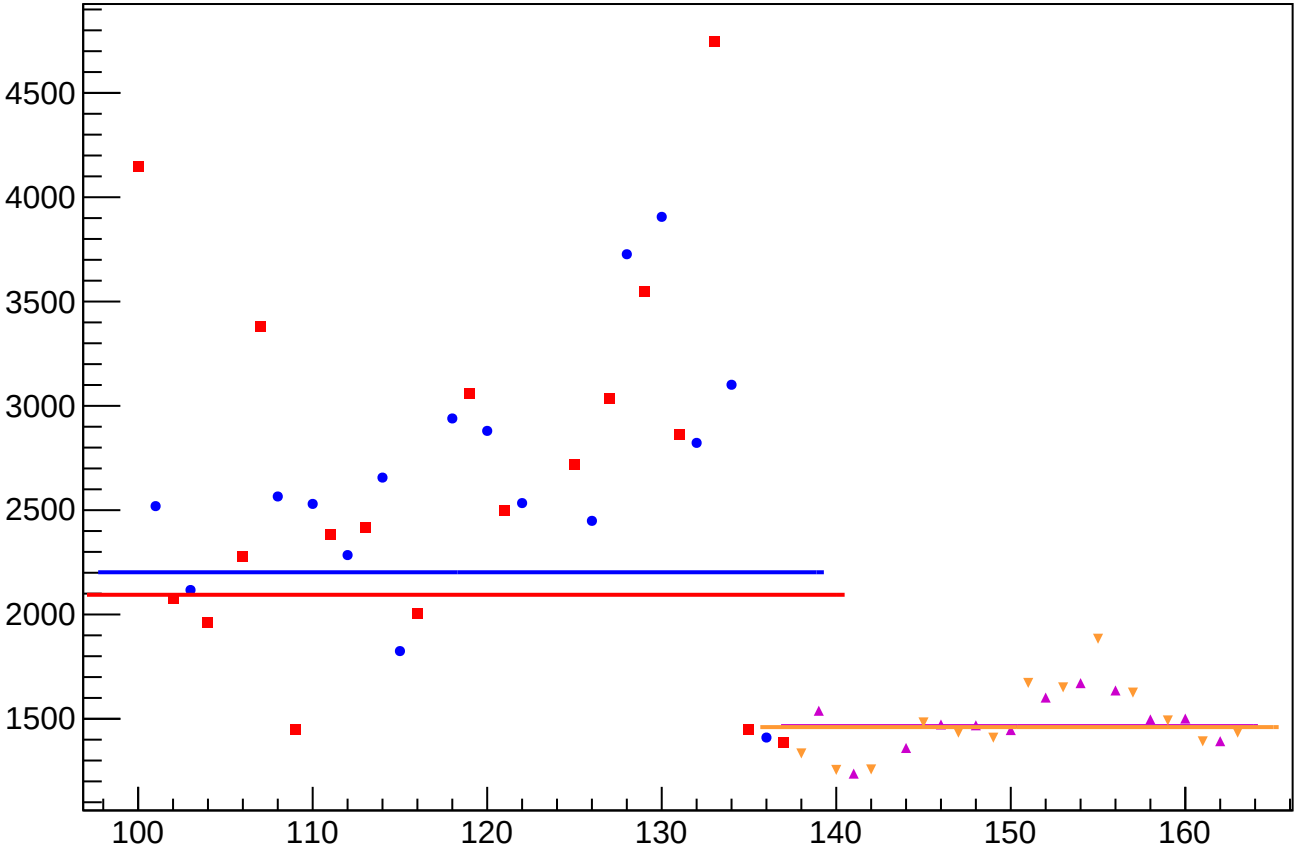
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 39.879+/-403.953 χ^2/NDF:34.7/27

Out: -1186.820+/-398.966 χ^2/NDF:61.7/30

All: -581.089+/-283.858 χ^2/NDF: 101.1/58

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1460.215+/-0.323 χ^2/NDF:238644.6/12

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1465.139+/-0.324 χ^2/NDF:137499.7/11

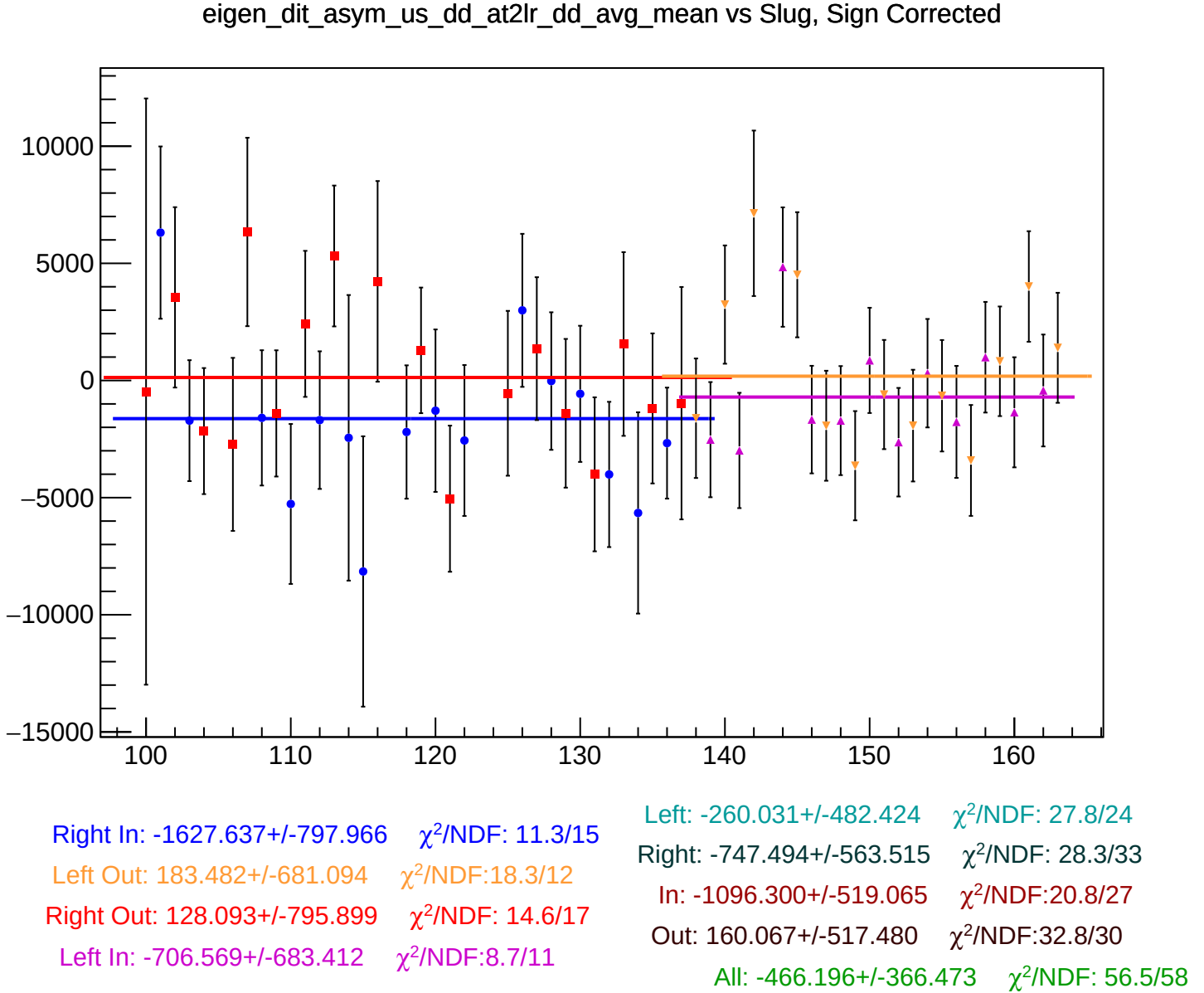
Left: 1462.672+/-0.229 χ^2/NDF: 376260.3/24

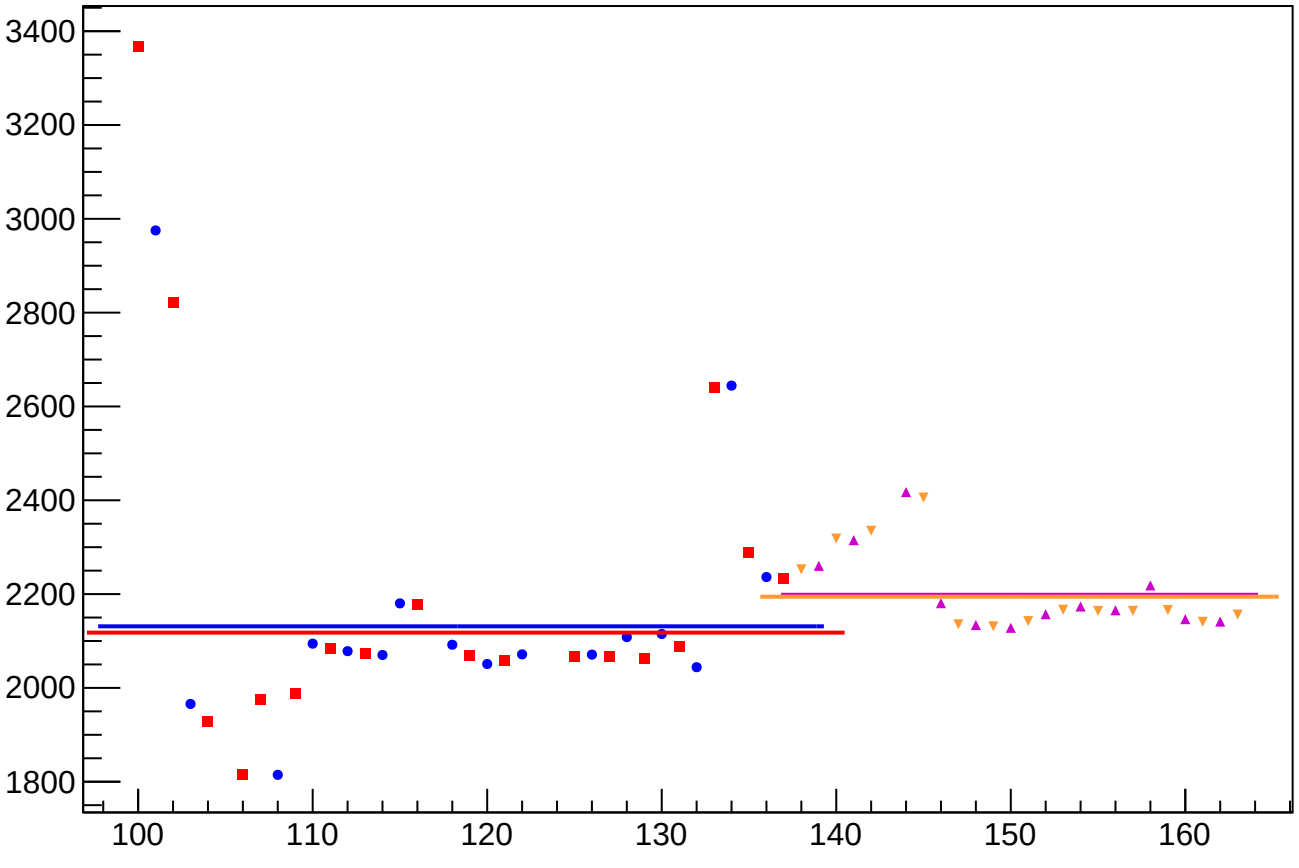
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1627.889+/-0.286 χ^2/NDF:2506432.5/27

Out: 1610.435+/-0.282 χ^2/NDF:2525891.0/30

All: 1619.054+/-0.201 χ^2/NDF: 5034213.6/58


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: 183.482+/-681.094 χ²/NDF:18.3/12
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -706.569+/-683.412 χ²/NDF:8.7/11
Left: -260.031+/-482.424 χ²/NDF: 27.8/24
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1096.300+/-519.065 χ²/NDF:20.8/27
Out: 160.067+/-517.480 χ²/NDF:32.8/30
All: -466.196+/-366.473 χ²/NDF: 56.5/58



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2194.438+/-0.482 χ^2/NDF:28057.1/12

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2198.545+/-0.483 χ^2/NDF:27656.3/11

Left: 2196.485+/-0.341 χ^2/NDF: 55749.7/24

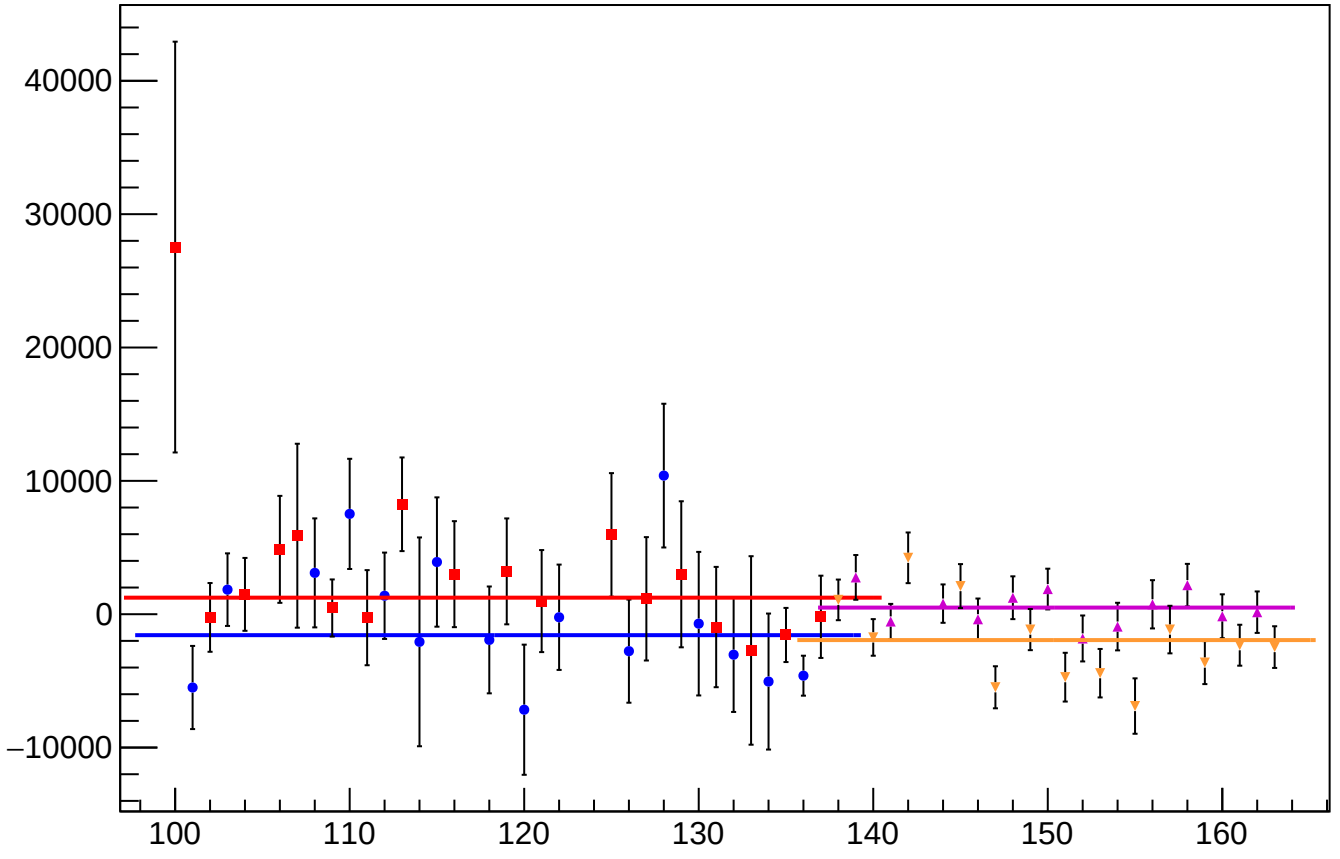
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.091+/-0.367 χ^2/NDF:211793.4/27

Out: 2162.068+/-0.366 χ^2/NDF:202365.6/30

All: 2166.067+/-0.259 χ^2/NDF: 414398.7/58

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: -1940.346+/-456.702 χ^2/NDF:37.1/12

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 496.251+/-457.608 χ^2/NDF:7.6/11

Left: -724.463+/-323.257 χ^2/NDF: 58.9/24

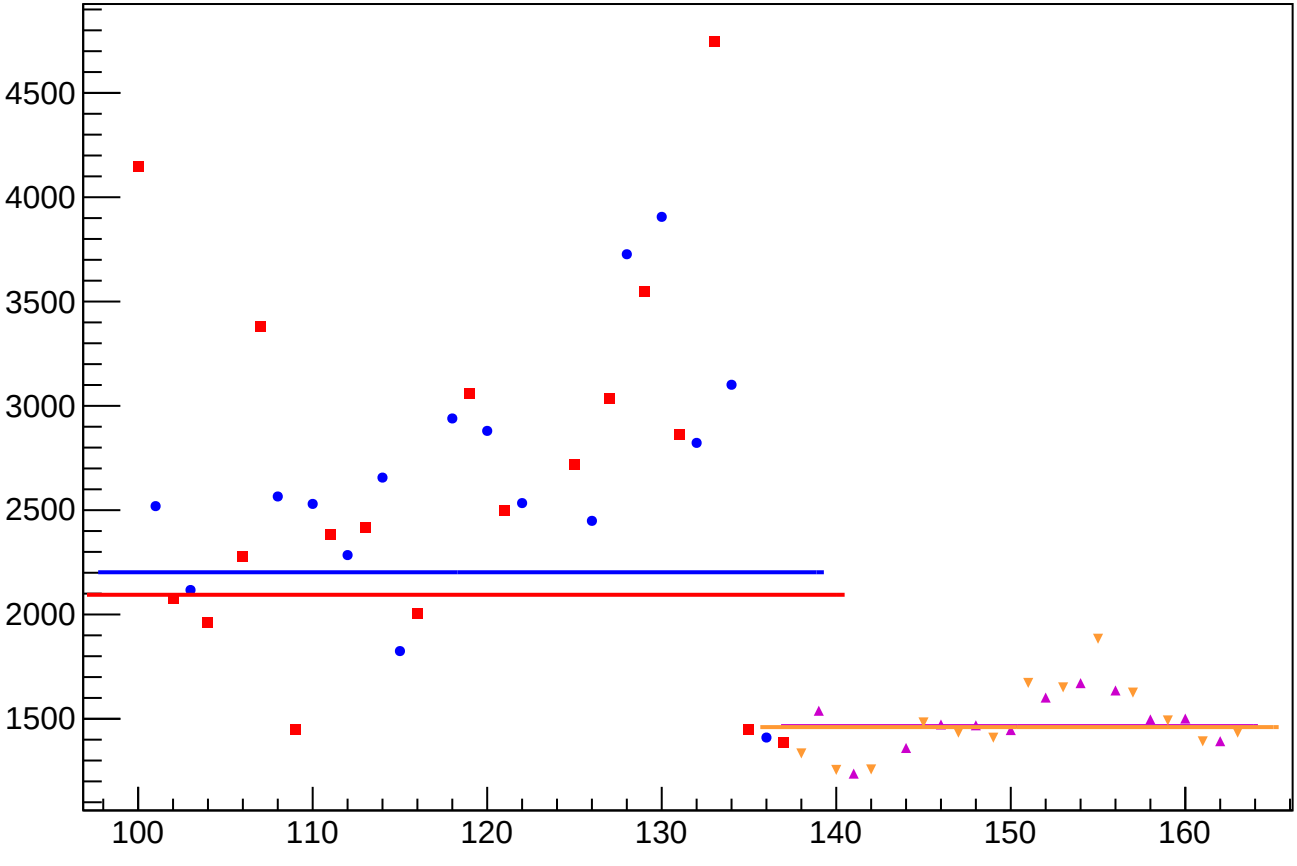
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 39.882+/-403.953 χ^2/NDF:34.7/27

Out: -1186.826+/-398.967 χ^2/NDF:61.7/30

All: -581.090+/-283.859 χ^2/NDF: 101.1/58

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: 1460.217+/-0.323 χ^2/NDF:238636.0/12

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1465.140+/-0.324 χ^2/NDF:137502.2/11

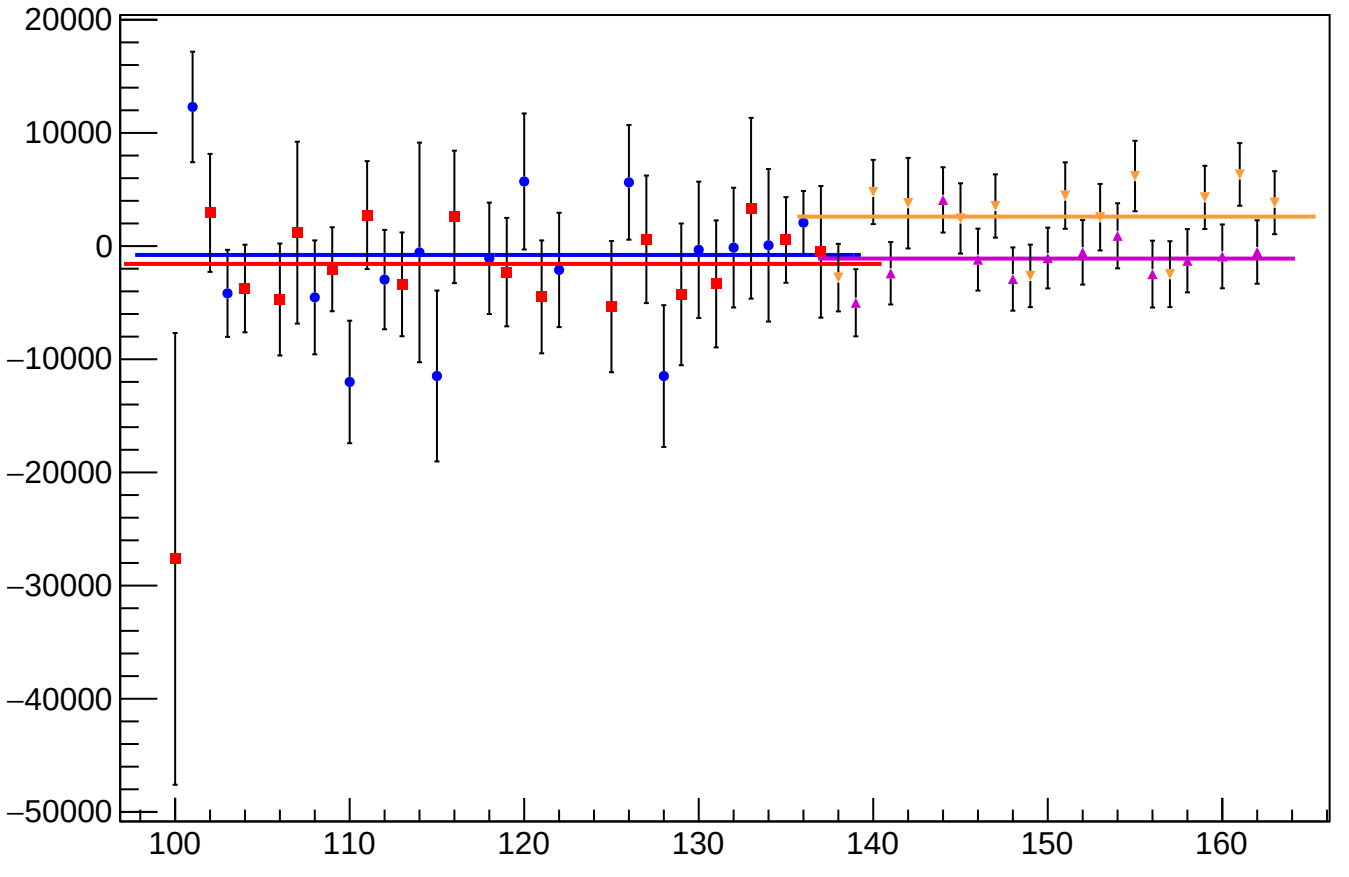
Left: 1462.673+/-0.229 χ^2/NDF: 376254.1/24

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1627.892+/-0.286 χ^2/NDF:2506404.9/27

Out: 1610.439+/-0.282 χ^2/NDF:2525858.6/30

All: 1619.057+/-0.201 χ^2/NDF: 5034153.3/58



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 2605.901+/-815.778 χ^2/NDF:14.8/12

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1104.214+/-815.383 χ^2/NDF:6.4/11

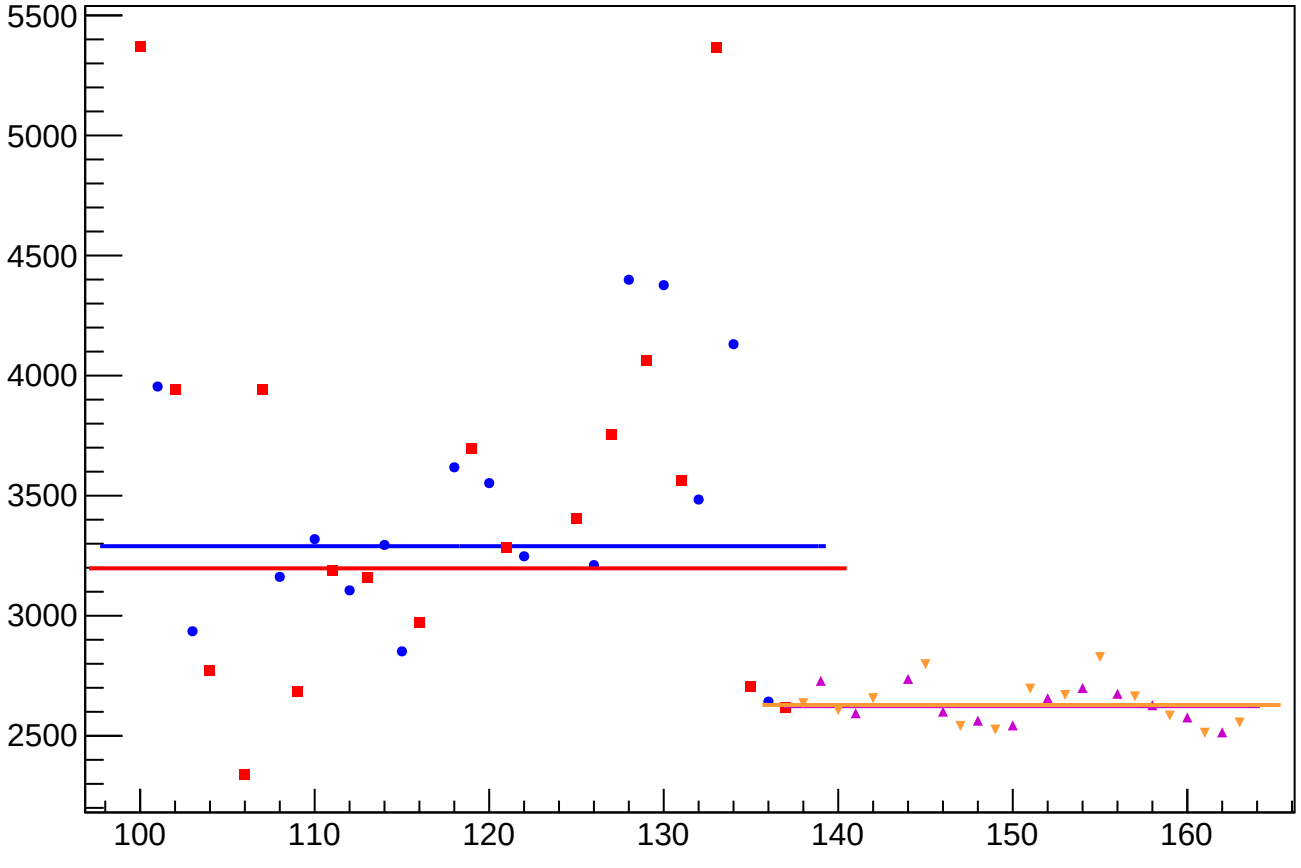
Left: 749.946+/-576.702 χ^2/NDF: 31.6/24

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1007.020+/-681.571 χ^2/NDF:28.3/27

Out: 1312.698+/-677.962 χ^2/NDF:29.7/30

All: 158.997+/-480.662 χ^2/NDF: 63.8/58



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2628.495+/-0.577 χ^2/NDF:26293.5/12

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2623.432+/-0.577 χ^2/NDF:14535.6/11

Left: 2625.962+/-0.408 χ^2/NDF: 40867.6/24

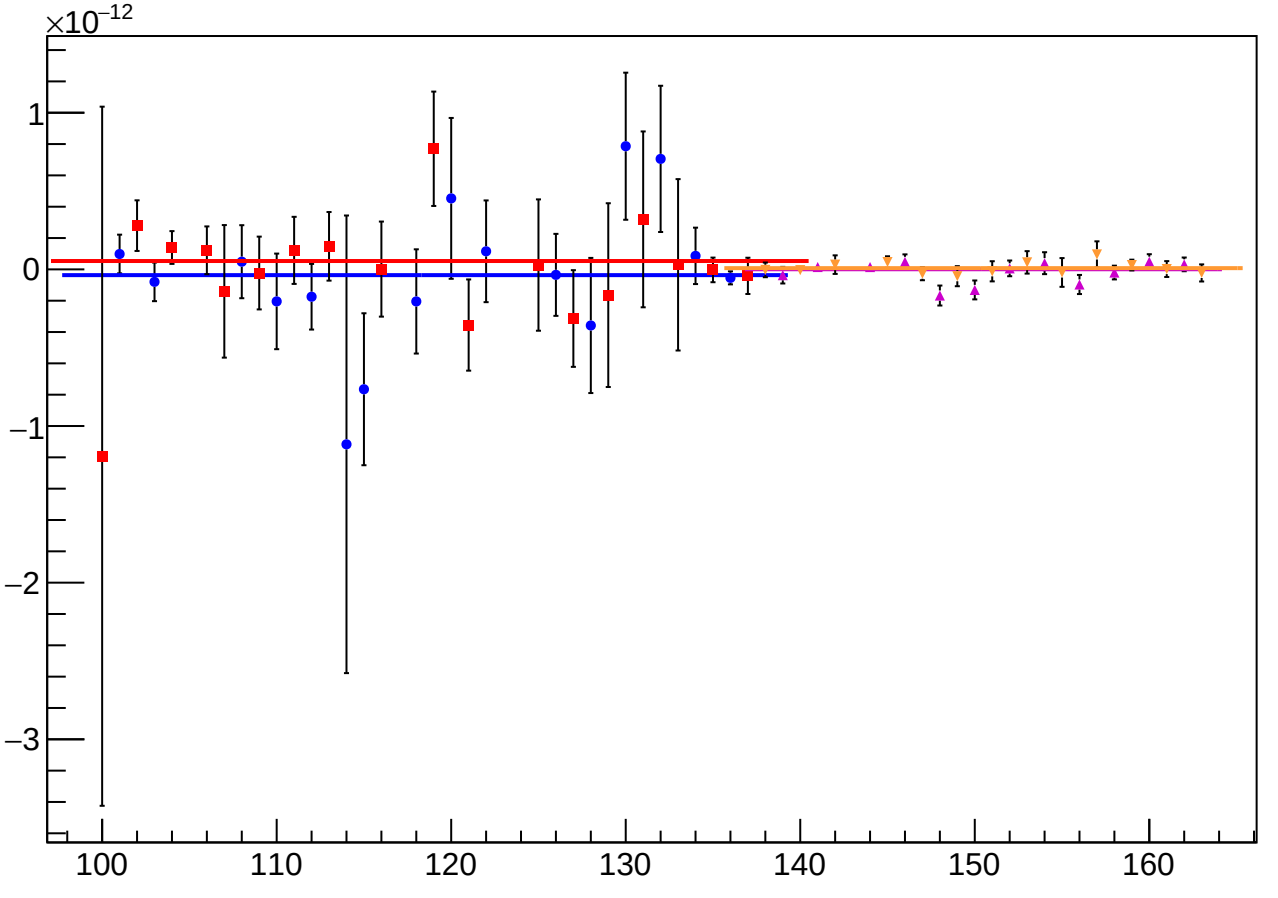
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2824.167+/-0.482 χ^2/NDF:764450.5/27

Out: 2804.474+/-0.479 χ^2/NDF:827089.6/30

All: 2814.268+/-0.340 χ^2/NDF: 1592379.4/58

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/12

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:18.6/11

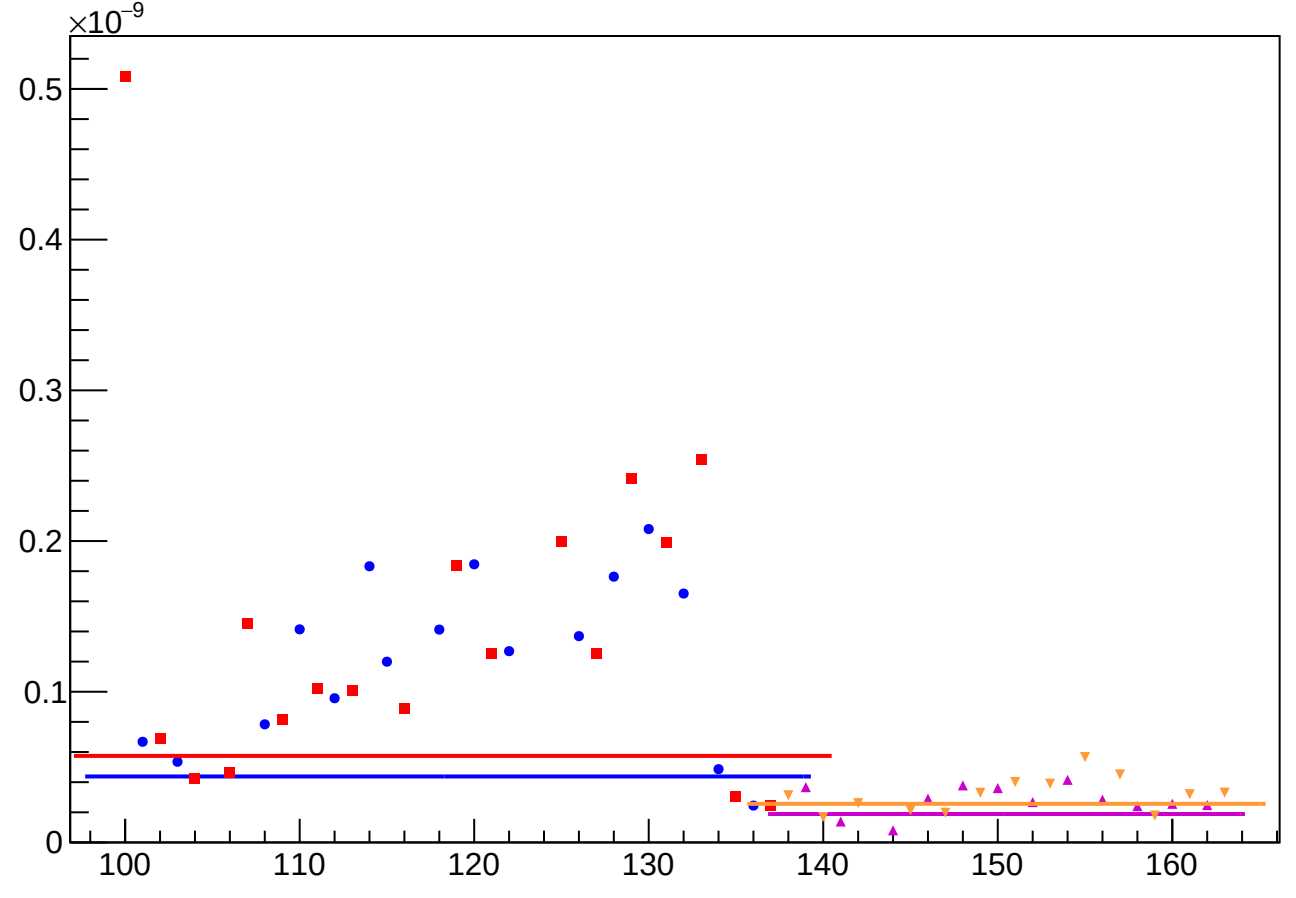
Left: 0.000+/-0.000 χ^2/NDF: 23.8/24

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:32.9/27

Out: 0.000+/-0.000 χ^2/NDF:18.6/30

All: 0.000+/-0.000 χ^2/NDF: 52.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:957120.2/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1852727.7/11

Left: 0.000+/-0.000 χ^2/NDF: 3109189.5/24

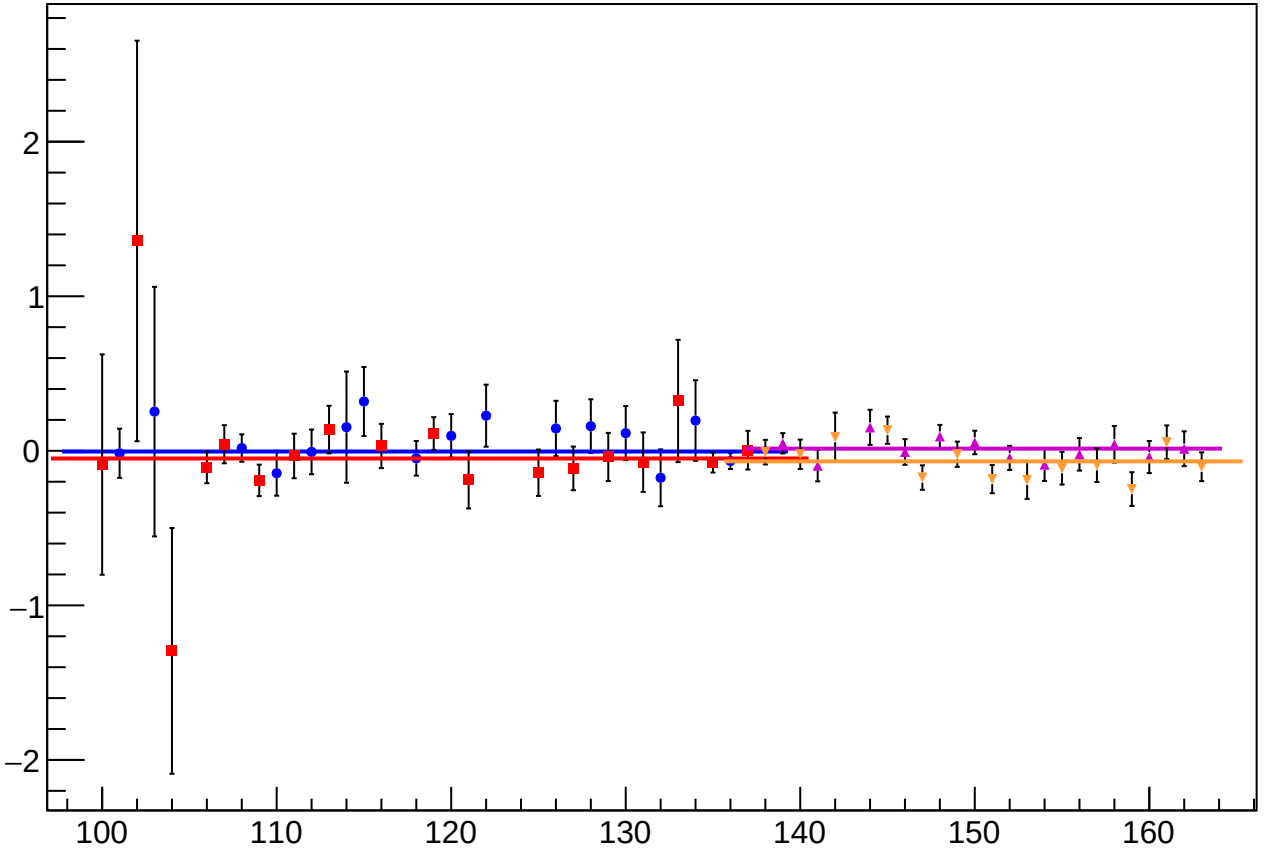
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5029473.6/27

Out: 0.000+/-0.000 χ^2/NDF:4025967.6/30

All: 0.000+/-0.000 χ^2/NDF: 9421373.8/58

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.026 χ^2/NDF:6.4/11

Left: -0.026+/-0.019 χ^2/NDF: 27.2/24

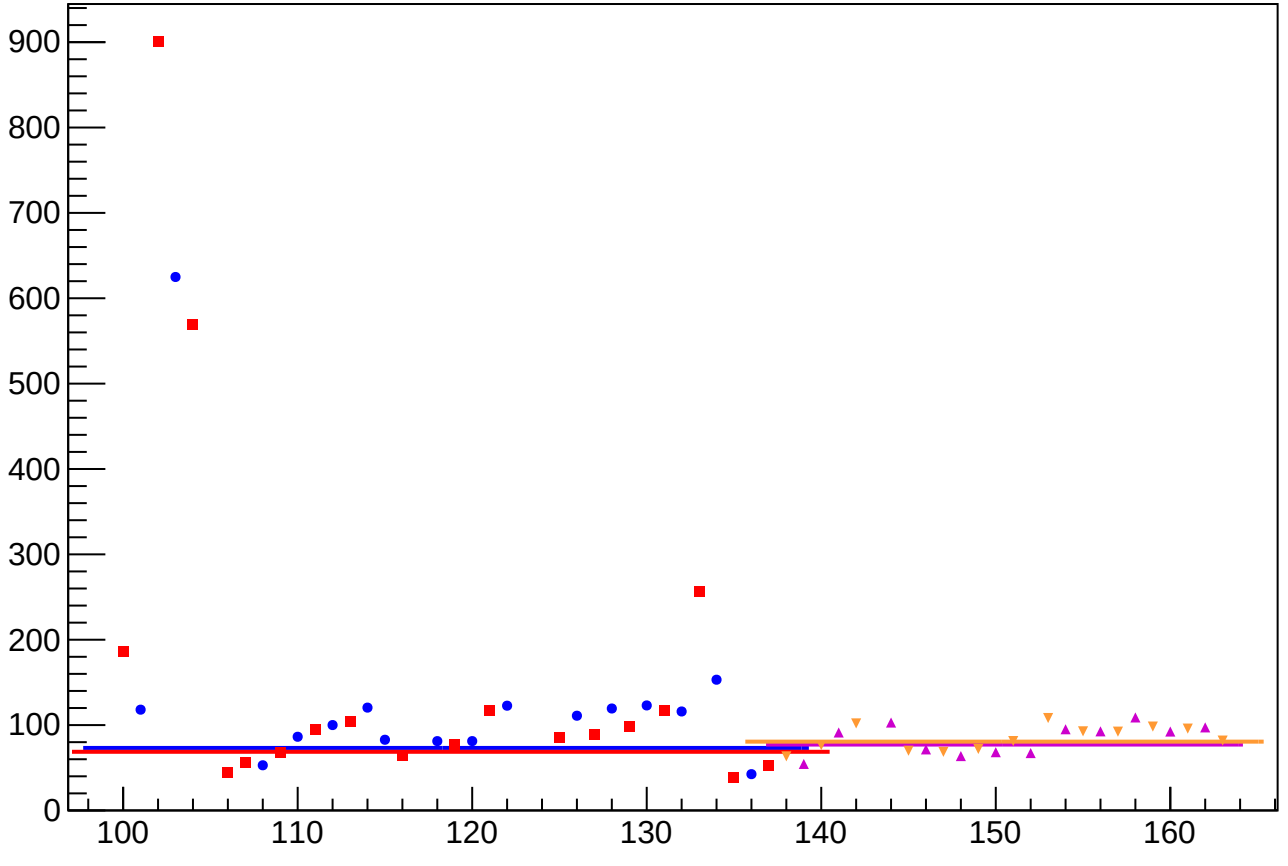
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.020 χ^2/NDF:16.9/27

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.026+/-0.014 χ^2/NDF: 51.6/58

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 80.615+/-0.019 χ^2/NDF:474445.7/12

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 77.190+/-0.018 χ^2/NDF:866586.5/11

Left: 78.844+/-0.013 χ^2/NDF: 1357901.6/24

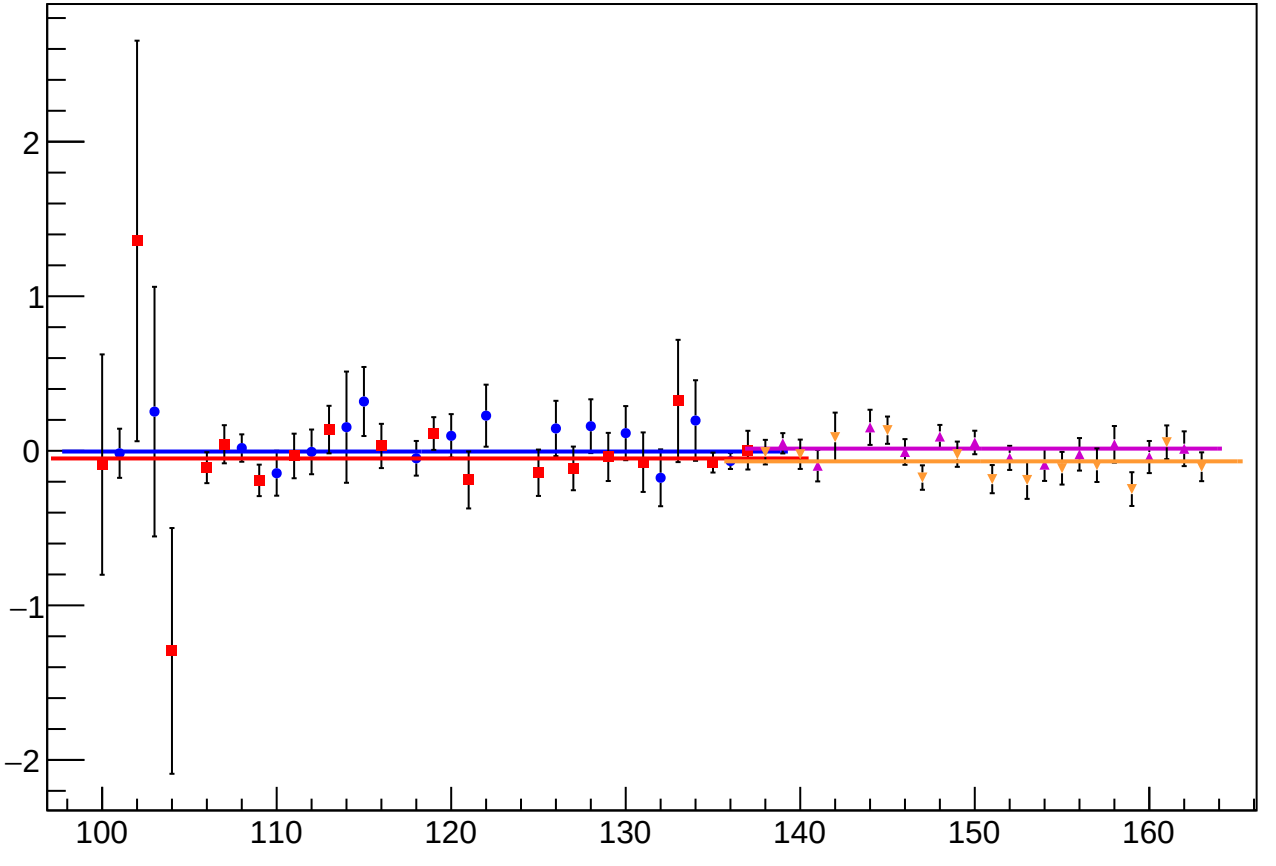
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 75.636+/-0.014 χ^2/NDF:3739484.3/27

Out: 75.649+/-0.014 χ^2/NDF:3970486.3/30

All: 75.643+/-0.010 χ^2/NDF: 7709971.0/58

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.026 χ^2/NDF:6.4/11

Left: -0.026+/-0.019 χ^2/NDF: 27.2/24

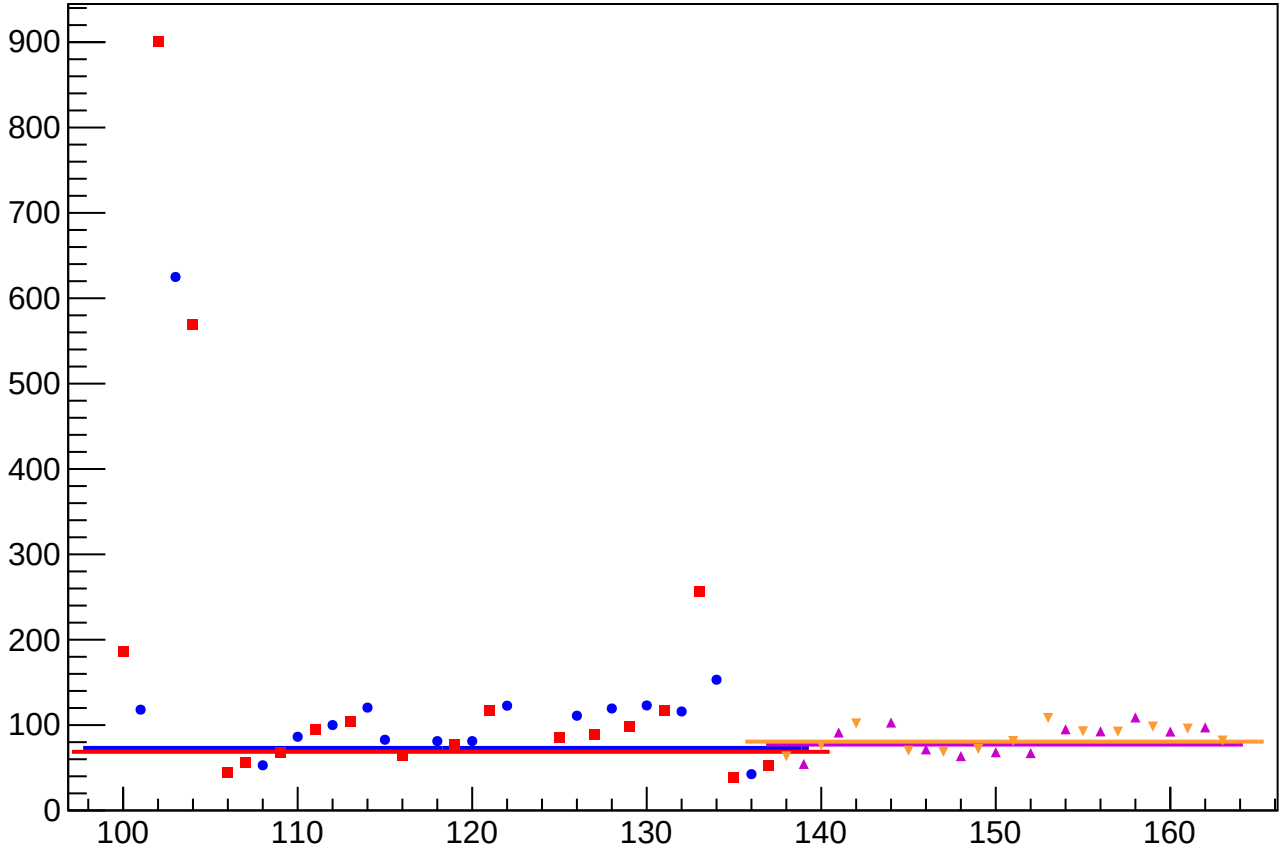
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.020 χ^2/NDF:16.9/27

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.026+/-0.014 χ^2/NDF: 51.6/58

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 80.615+/-0.019 χ^2/NDF:474445.7/12

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 77.190+/-0.018 χ^2/NDF:866586.5/11

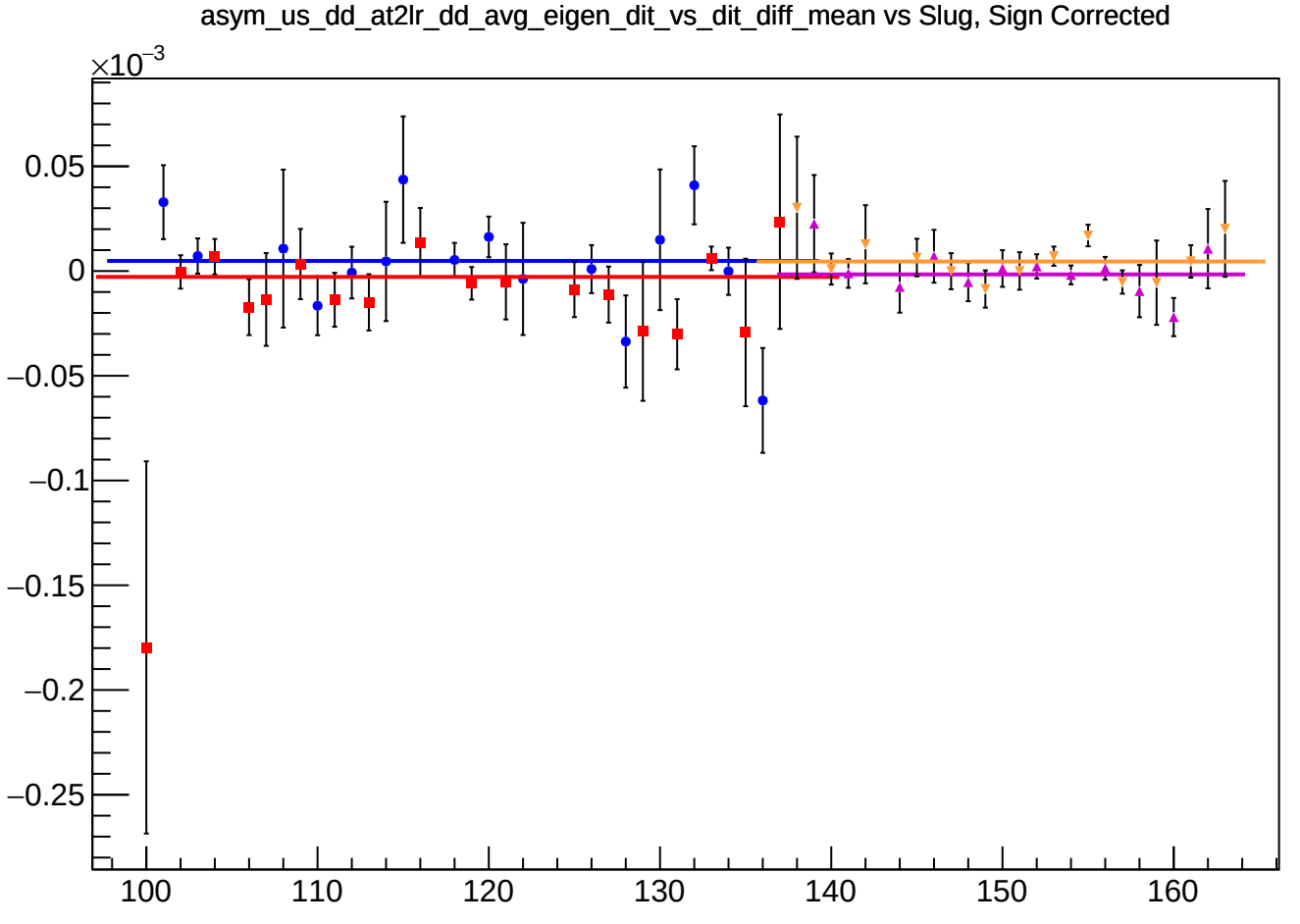
Left: 78.844+/-0.013 χ^2/NDF: 1357901.6/24

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 75.636+/-0.014 χ^2/NDF:3739484.3/27

Out: 75.649+/-0.014 χ^2/NDF:3970486.3/30

All: 75.643+/-0.010 χ^2/NDF: 7709971.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/12

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:8.6/11

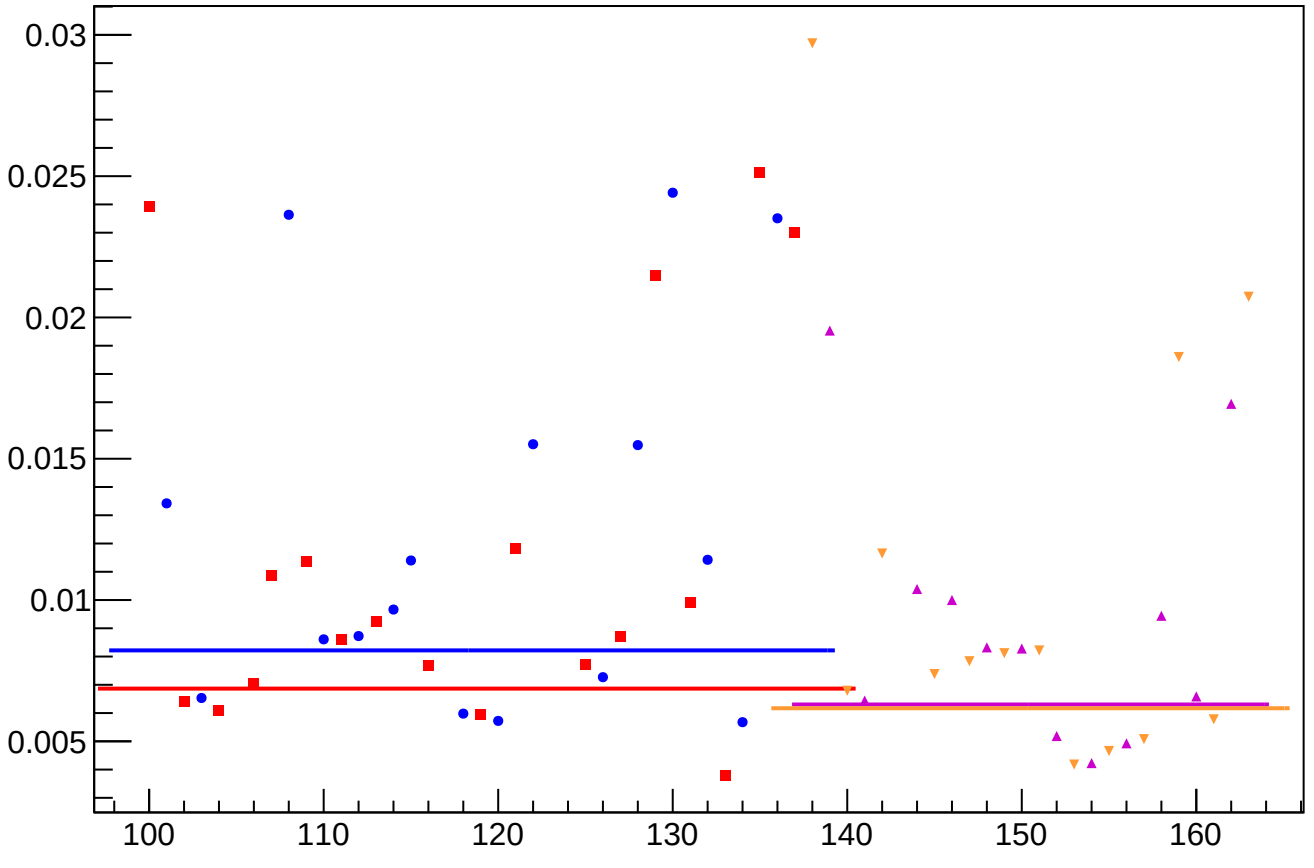
Left: 0.000+/-0.000 χ^2/NDF: 26.2/24

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: 0.000+/-0.000 χ^2/NDF:33.6/27

Out: 0.000+/-0.000 χ^2/NDF:34.7/30

All: 0.000+/-0.000 χ^2/NDF: 68.7/58



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:3662343.5/12

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.006+/-0.000 χ^2/NDF:2626627.2/11

Left: 0.006+/-0.000 χ^2/NDF: 6292550.0/24

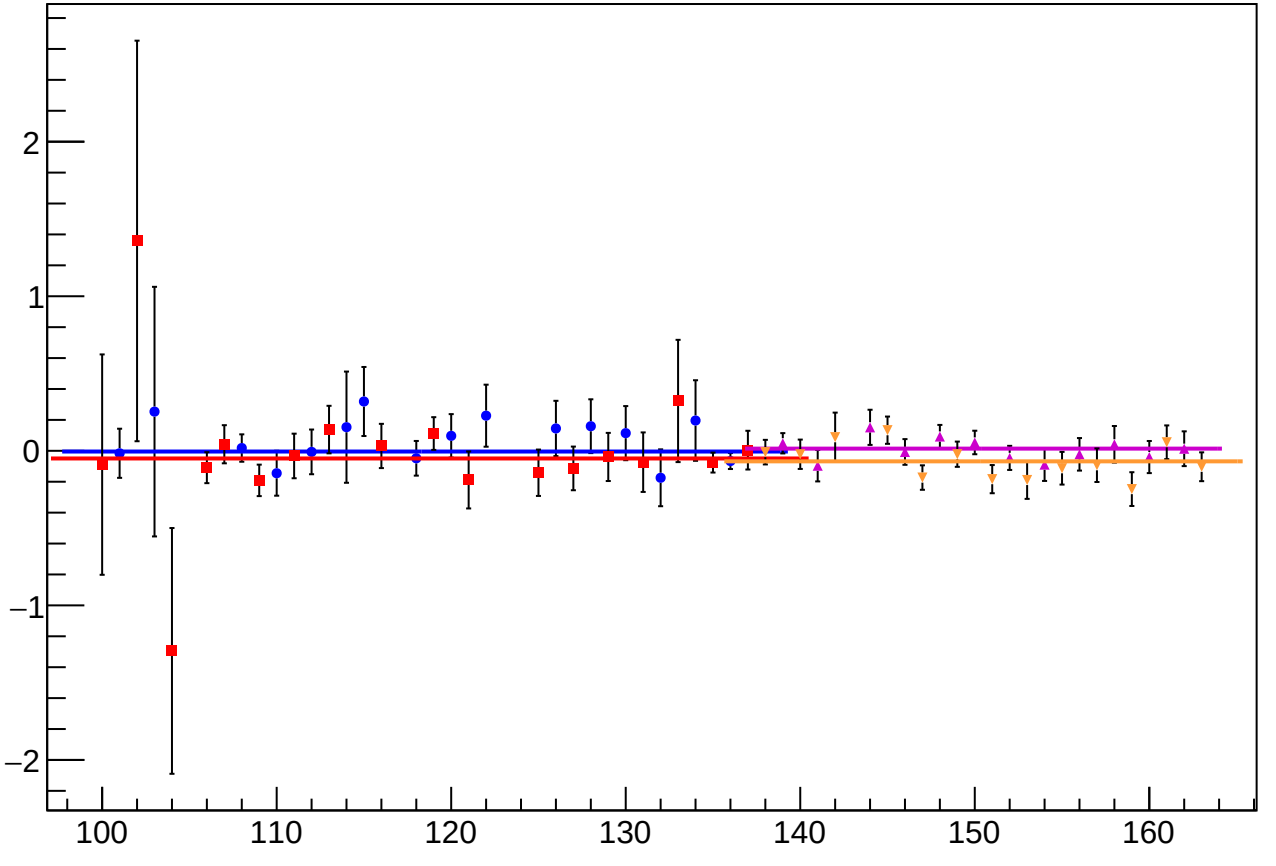
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.007+/-0.000 χ^2/NDF:5705921.7/27

Out: 0.006+/-0.000 χ^2/NDF:6164473.1/30

All: 0.007+/-0.000 χ^2/NDF: 11929859.2/58

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.026 χ^2/NDF:6.4/11

Left: -0.026+/-0.019 χ^2/NDF: 27.2/24

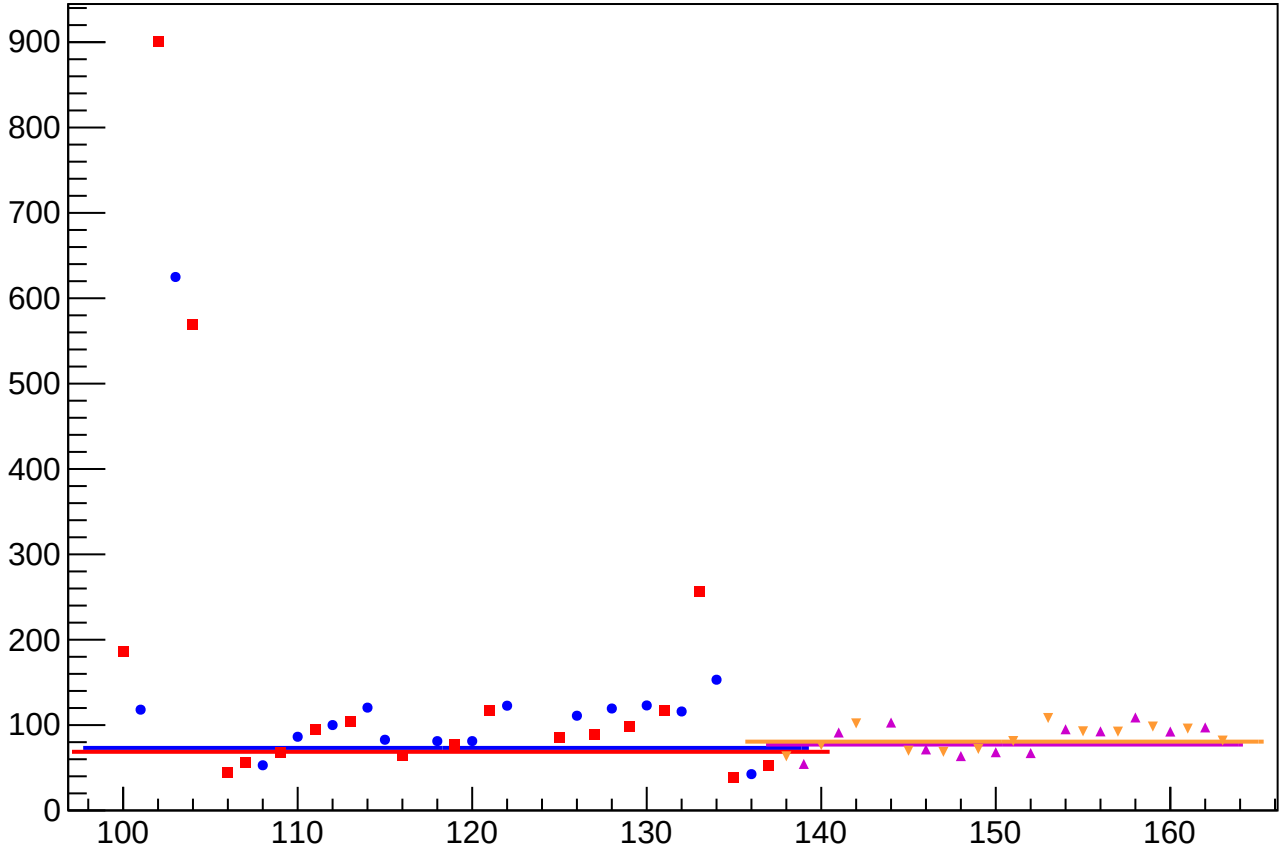
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.020 χ^2/NDF:16.9/27

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.026+/-0.014 χ^2/NDF: 51.6/58

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: 80.614+/-0.019 χ^2/NDF:474392.9/12

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 77.192+/-0.018 χ^2/NDF:866278.5/11

Left: 78.845+/-0.013 χ^2/NDF: 1357514.9/24

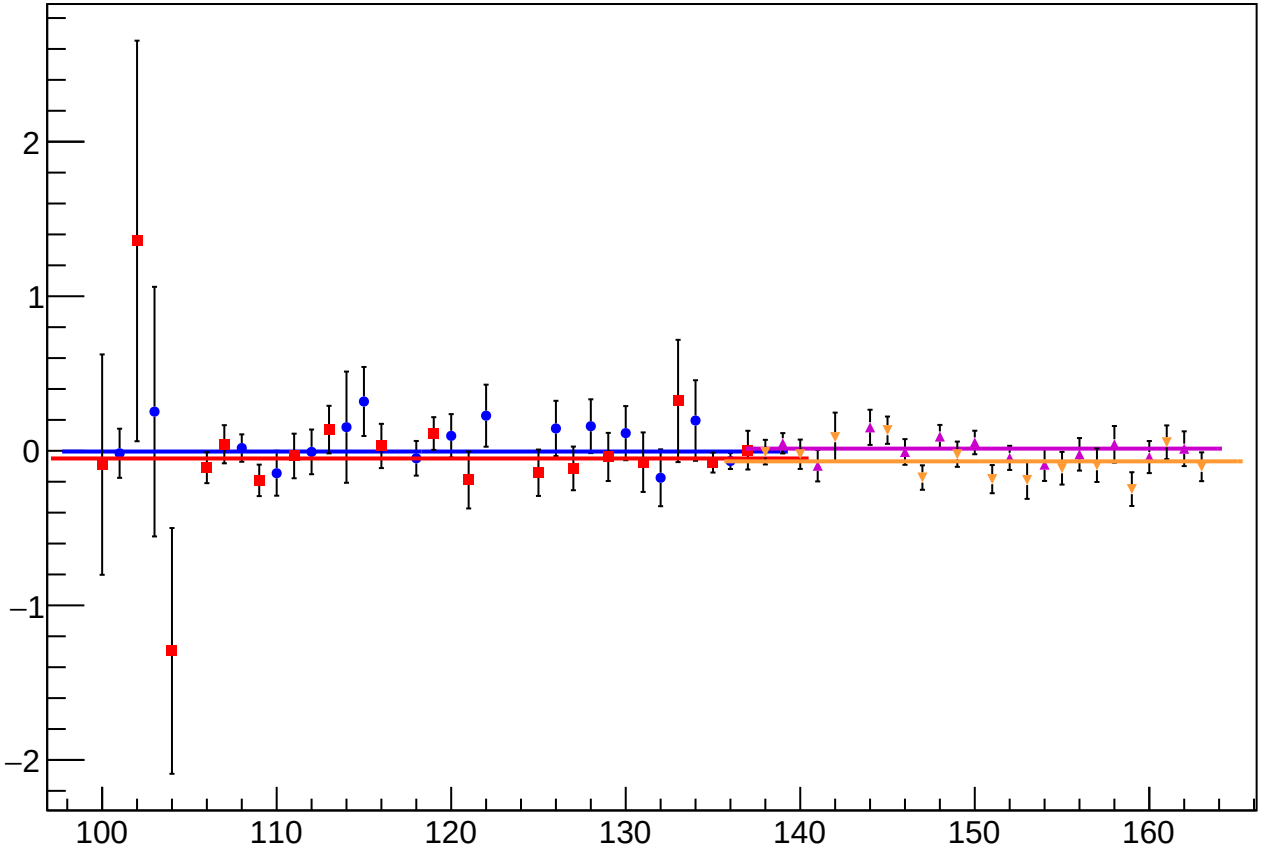
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 75.648+/-0.014 χ^2/NDF:3736662.7/27

Out: 75.643+/-0.014 χ^2/NDF:3971739.2/30

All: 75.645+/-0.010 χ^2/NDF: 7708402.0/58

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: -0.068+/-0.027 χ^2/NDF:16.0/12

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.026 χ^2/NDF:6.4/11

Left: -0.026+/-0.019 χ^2/NDF: 27.2/24

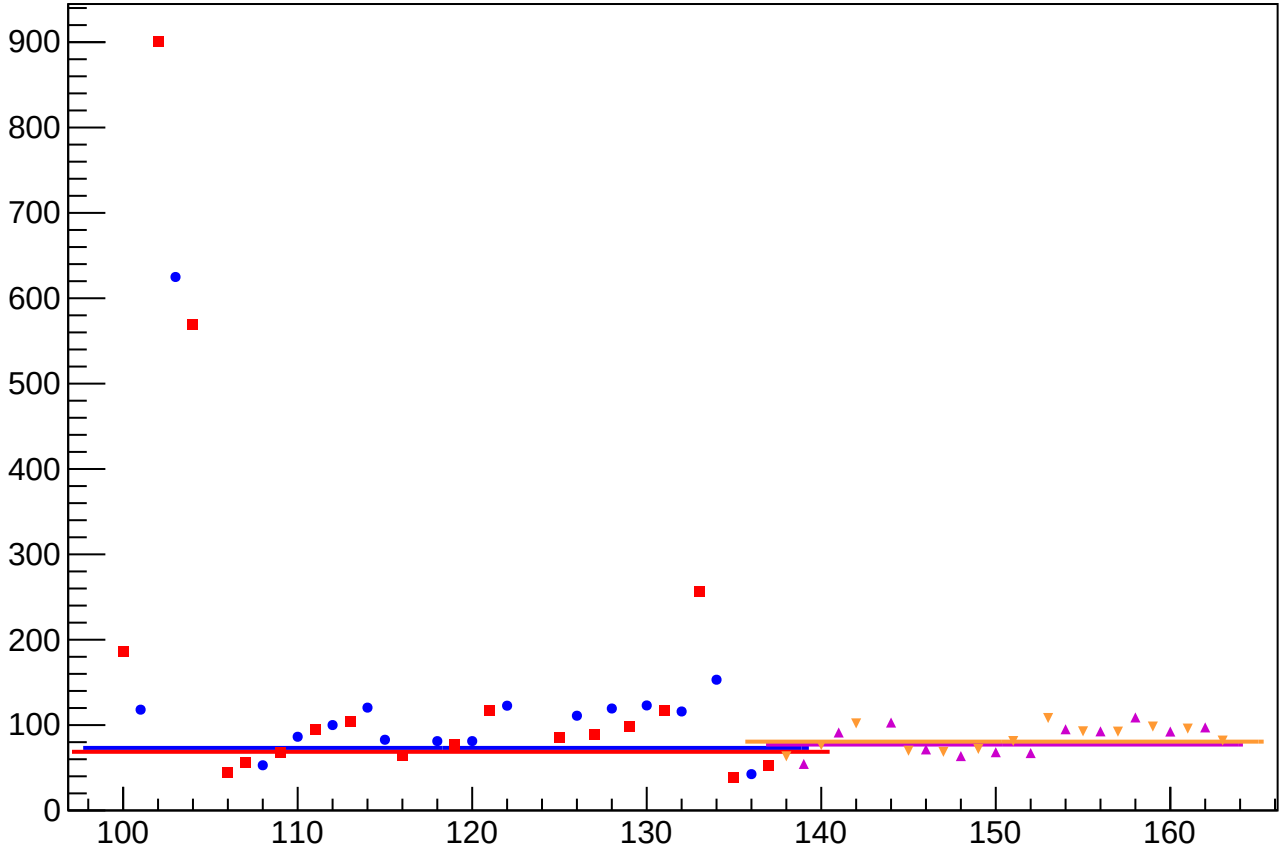
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.007+/-0.020 χ^2/NDF:16.9/27

Out: -0.060+/-0.020 χ^2/NDF:29.2/30

All: -0.026+/-0.014 χ^2/NDF: 51.6/58

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: 80.614+/-0.019 χ^2/NDF:474392.9/12

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 77.192+/-0.018 χ^2/NDF:866278.5/11

Left: 78.845+/-0.013 χ^2/NDF: 1357514.9/24

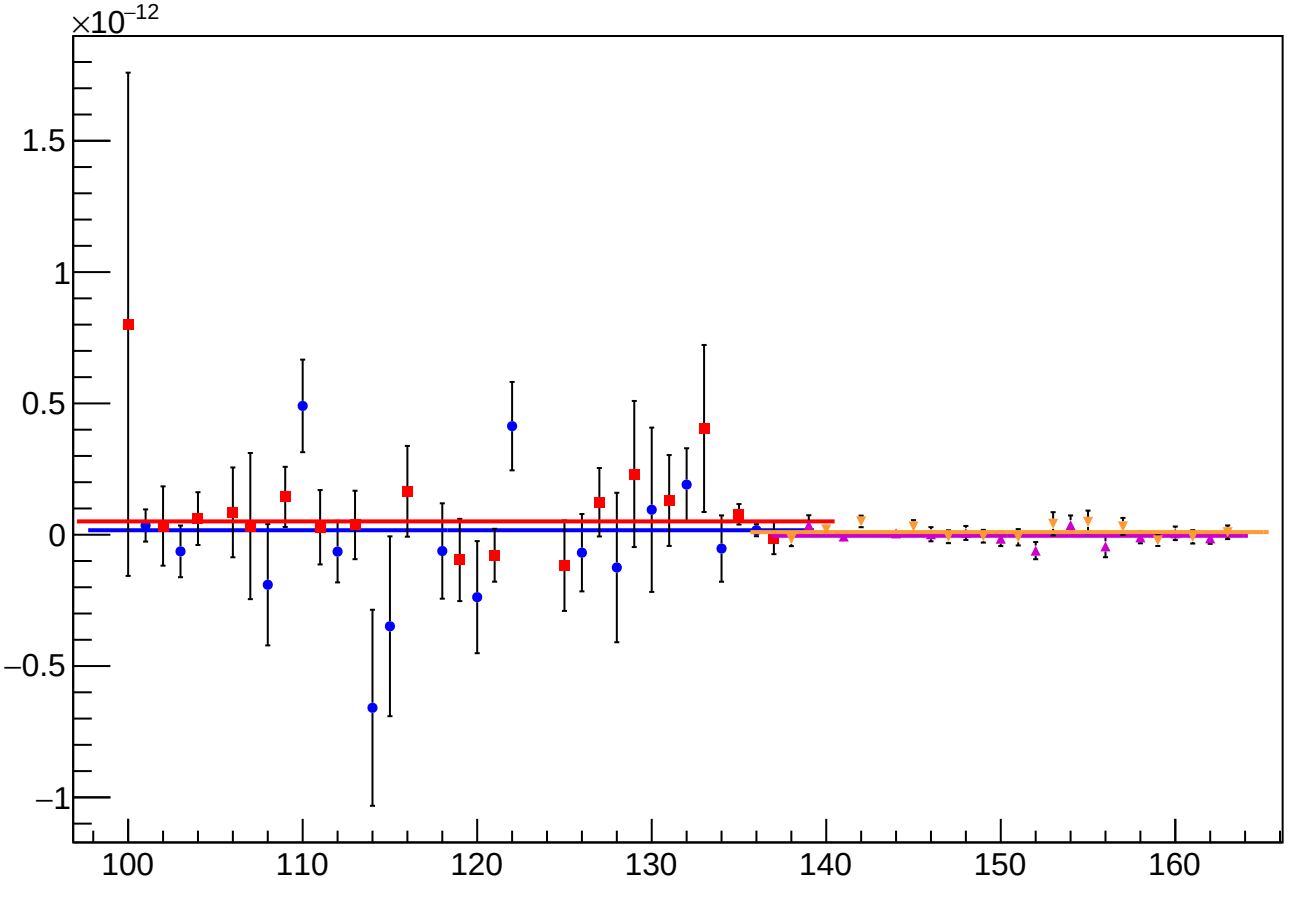
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 75.648+/-0.014 χ^2/NDF:3736662.7/27

Out: 75.643+/-0.014 χ^2/NDF:3971739.2/30

All: 75.645+/-0.010 χ^2/NDF: 7708402.0/58

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:7.4/11

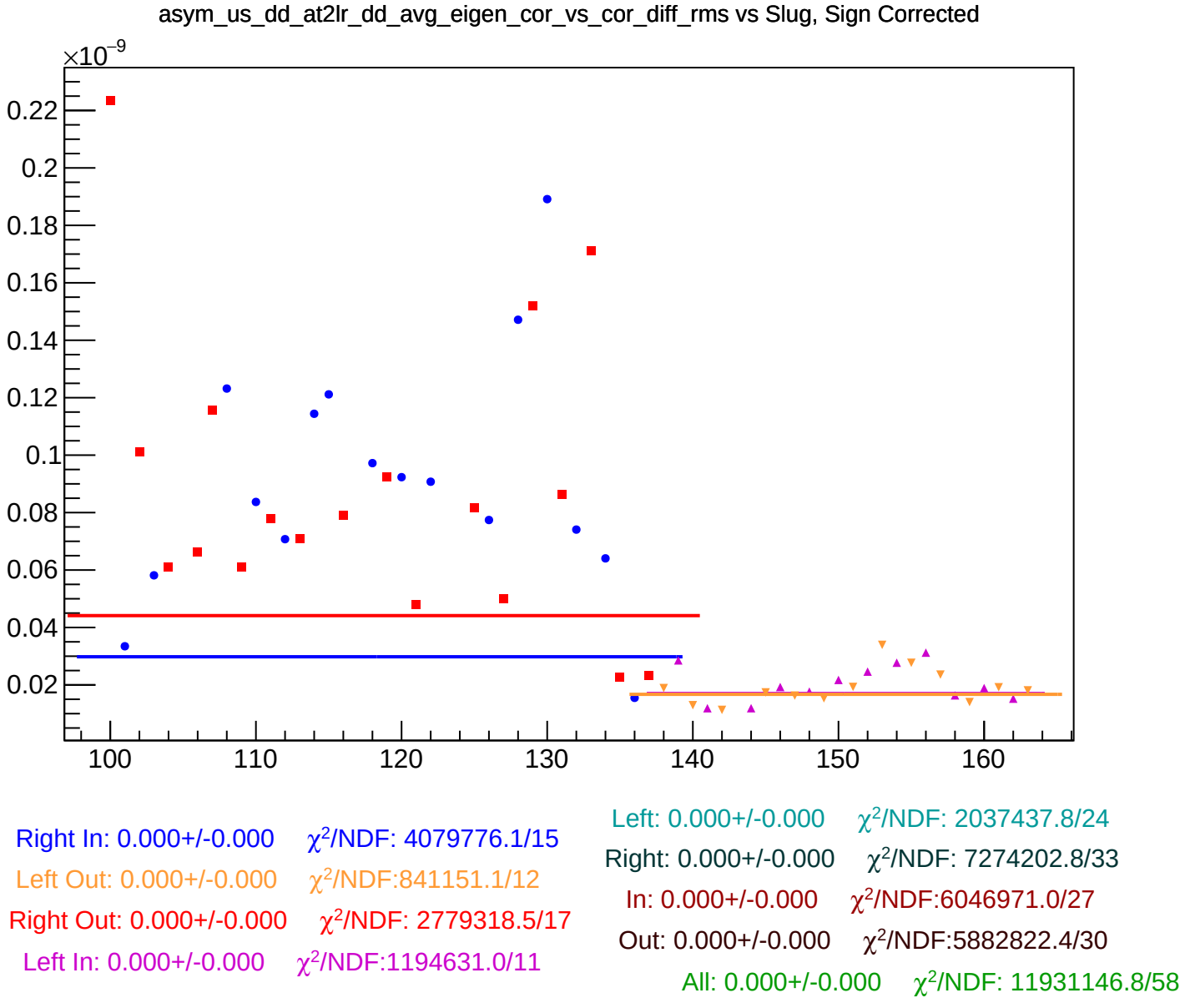
Left: 0.000+/-0.000 χ^2/NDF: 20.8/24

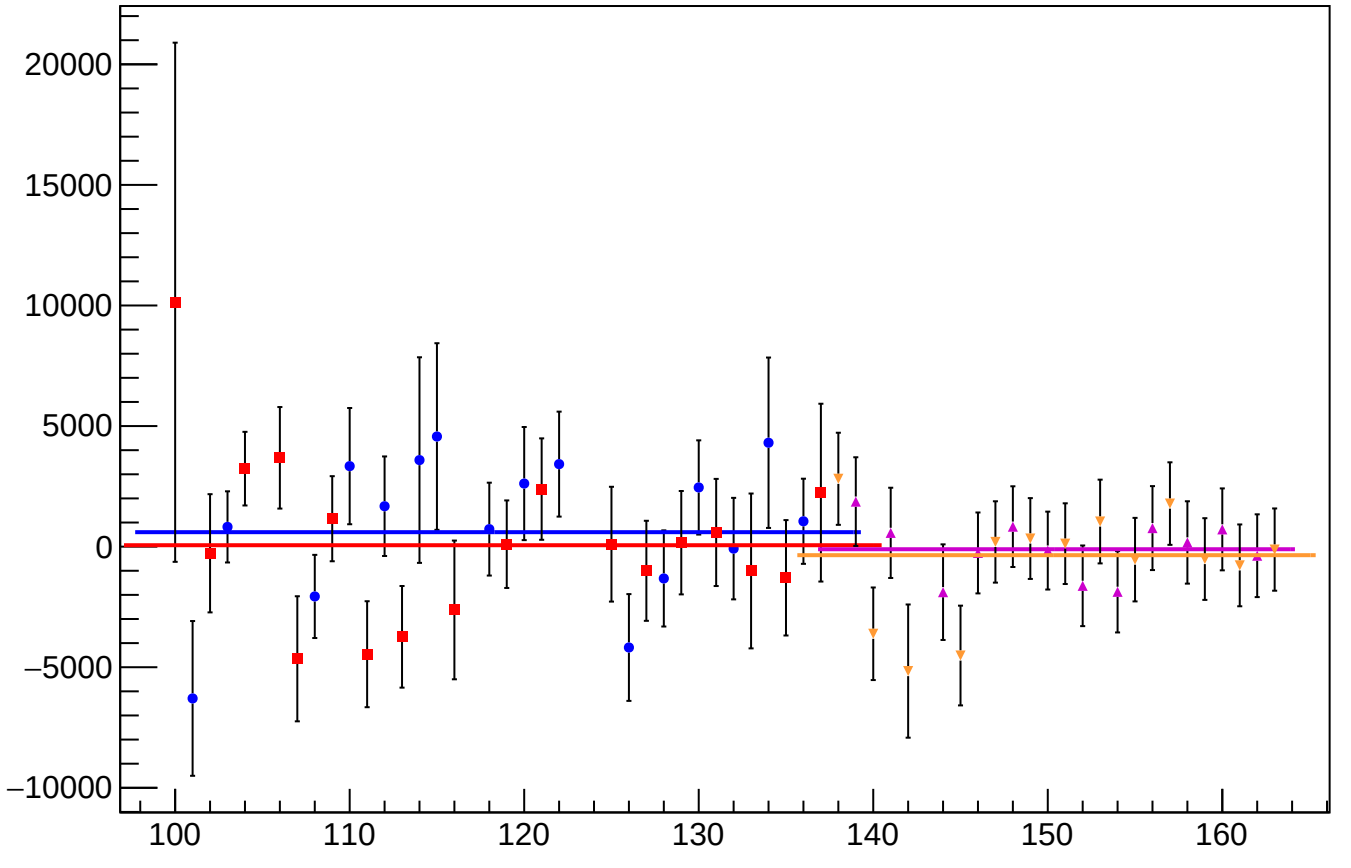
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:31.8/27

Out: 0.000+/-0.000 χ^2/NDF:22.9/30

All: 0.000+/-0.000 χ^2/NDF: 57.2/58


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:841151.1/12
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1194631.0/11
Left: 0.000+/-0.000 χ²/NDF: 2037437.8/24
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6046971.0/27
Out: 0.000+/-0.000 χ²/NDF:5882822.4/30
All: 0.000+/-0.000 χ²/NDF: 11931146.8/58



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -353.948+/-498.636 χ^2/NDF:15.4/12

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -107.203+/-499.985 χ^2/NDF:4.9/11

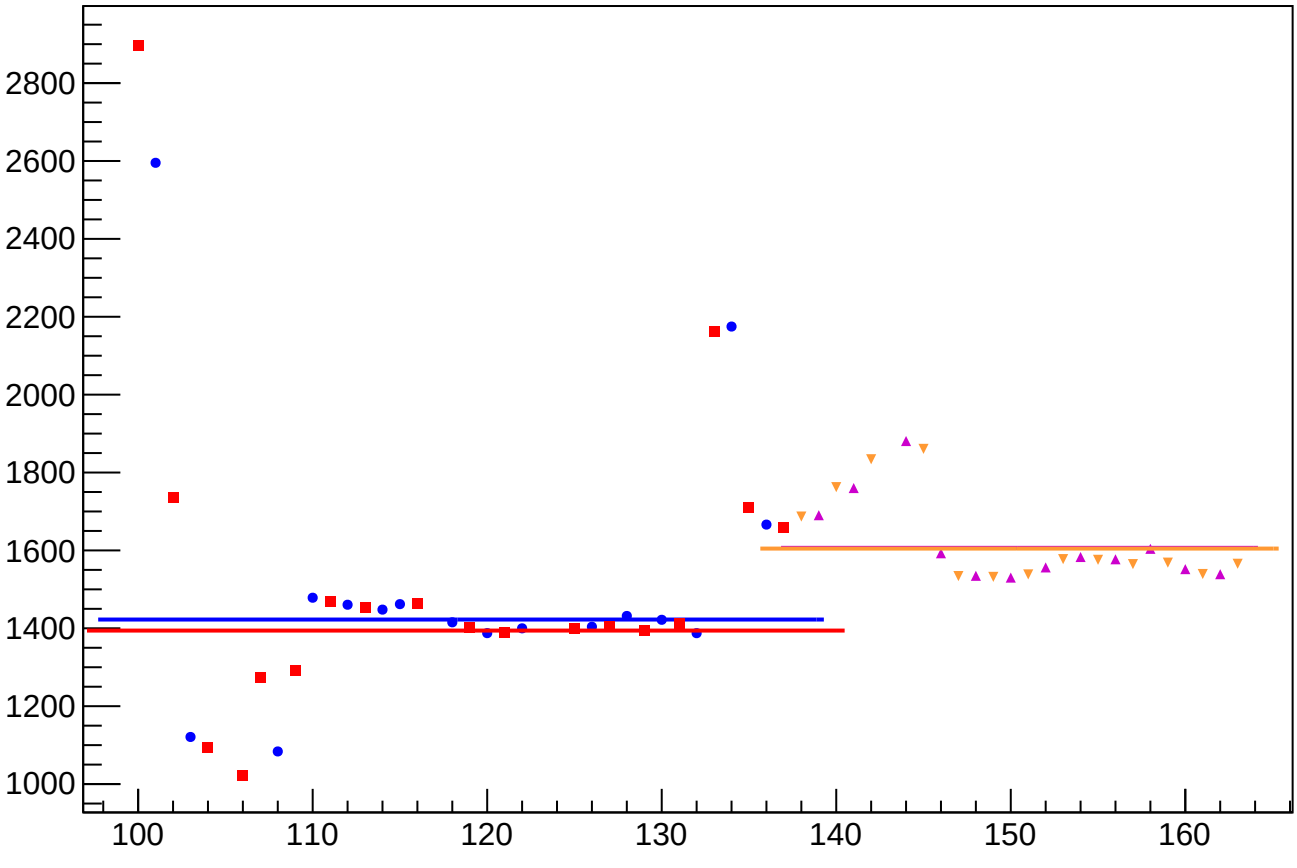
Left: -230.909+/-353.065 χ^2/NDF: 20.4/24

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 219.260+/-366.891 χ^2/NDF:26.1/27

Out: -160.090+/-363.237 χ^2/NDF:38.2/30

All: 27.687+/-258.130 χ^2/NDF: 64.9/58



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1606.607+/-0.354 χ^2/NDF:72141.3/11

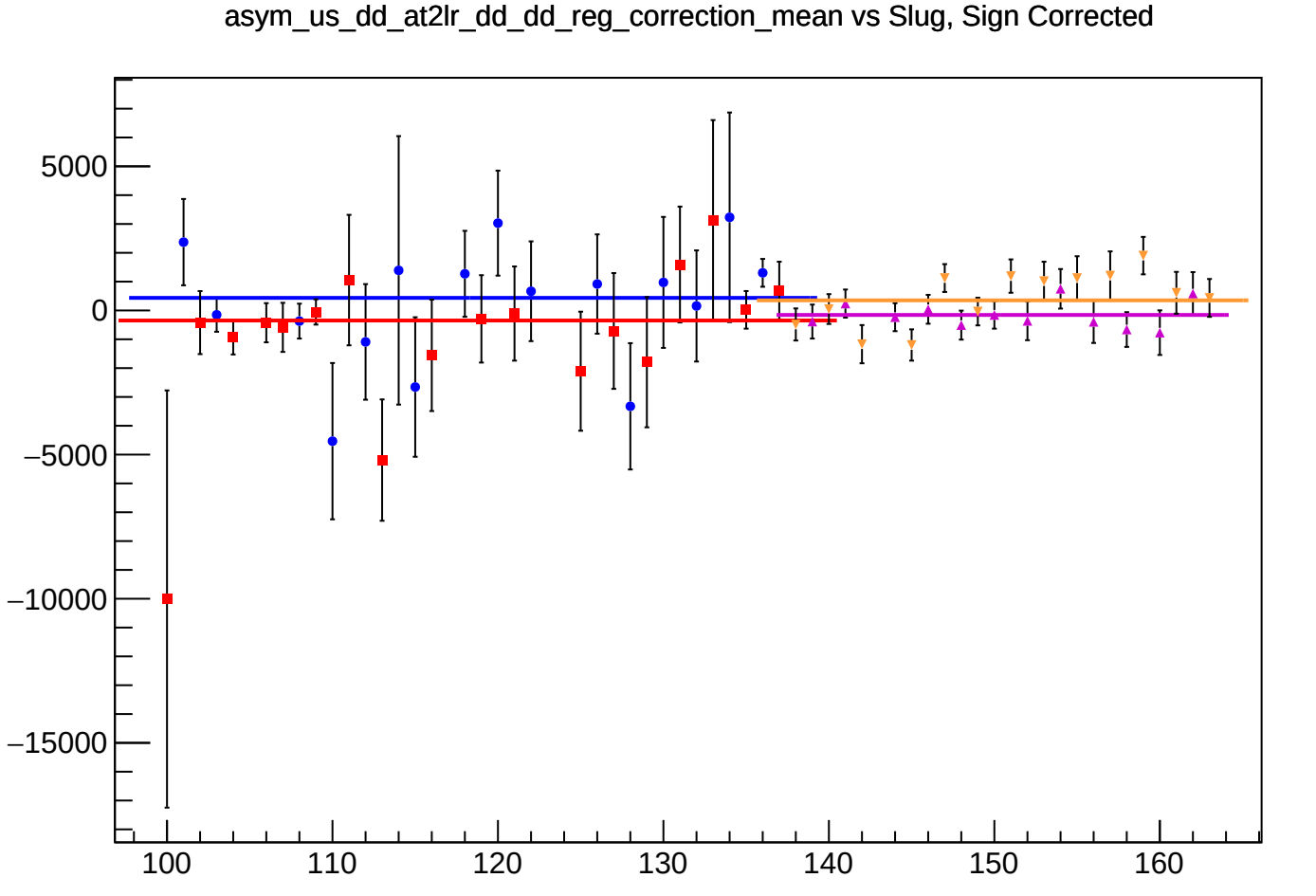
Left: 1605.663+/-0.250 χ^2/NDF: 151271.4/24

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

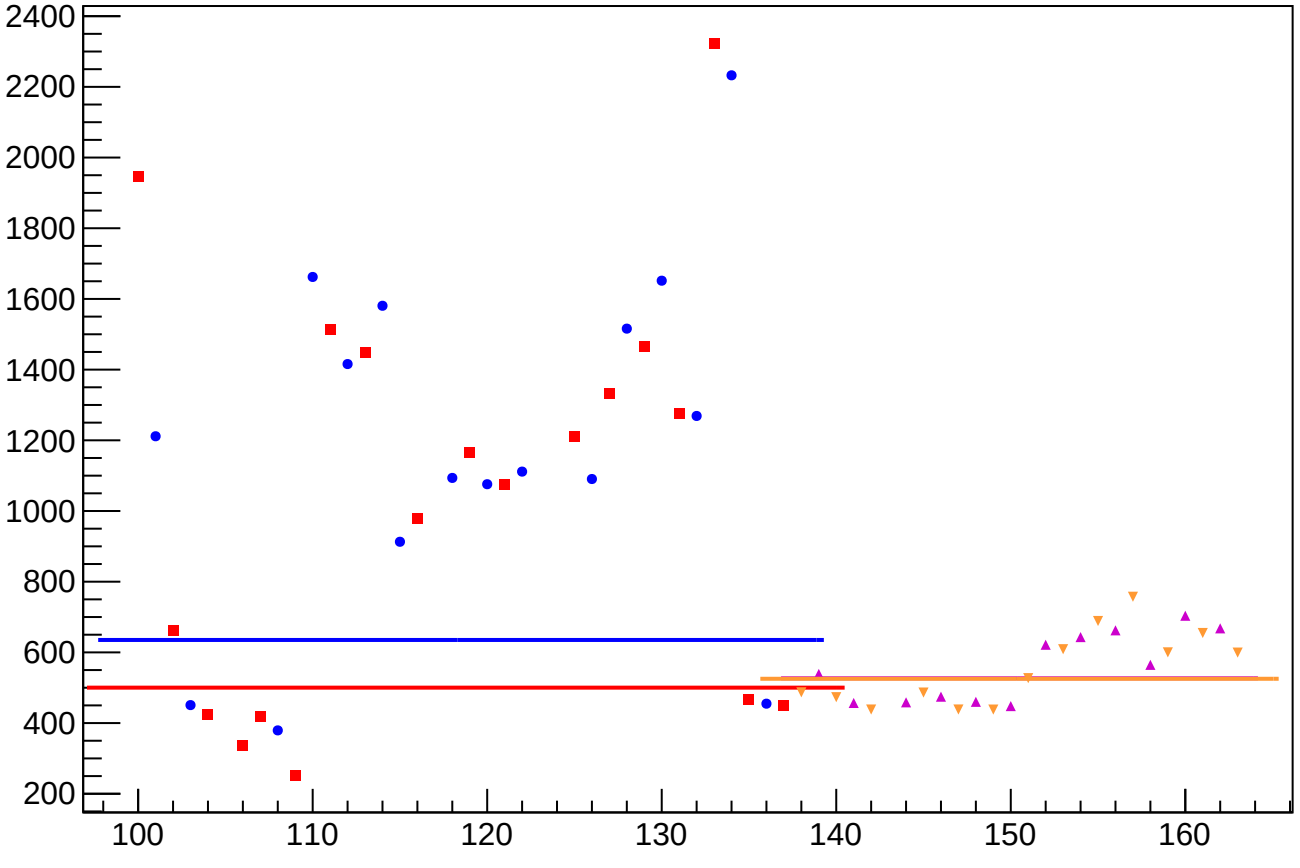
In: 1521.643+/-0.259 χ^2/NDF:757538.3/27

Out: 1505.902+/-0.257 χ^2/NDF:640152.1/30

All: 1513.693+/-0.183 χ^2/NDF: 1399549.6/58


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 350.918+/-166.167 χ²/NDF:30.3/12
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -156.208+/-166.312 χ²/NDF:5.7/11
Left: 97.577+/-117.549 χ²/NDF: 40.7/24
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: 1.751+/-142.438 χ²/NDF:28.5/27
Out: 116.094+/-135.433 χ²/NDF:50.1/30
All: 61.803+/-98.148 χ²/NDF: 78.9/58

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: 525.325+/-0.117 χ^2/NDF:597900.1/12

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 526.674+/-0.118 χ^2/NDF:543415.8/11

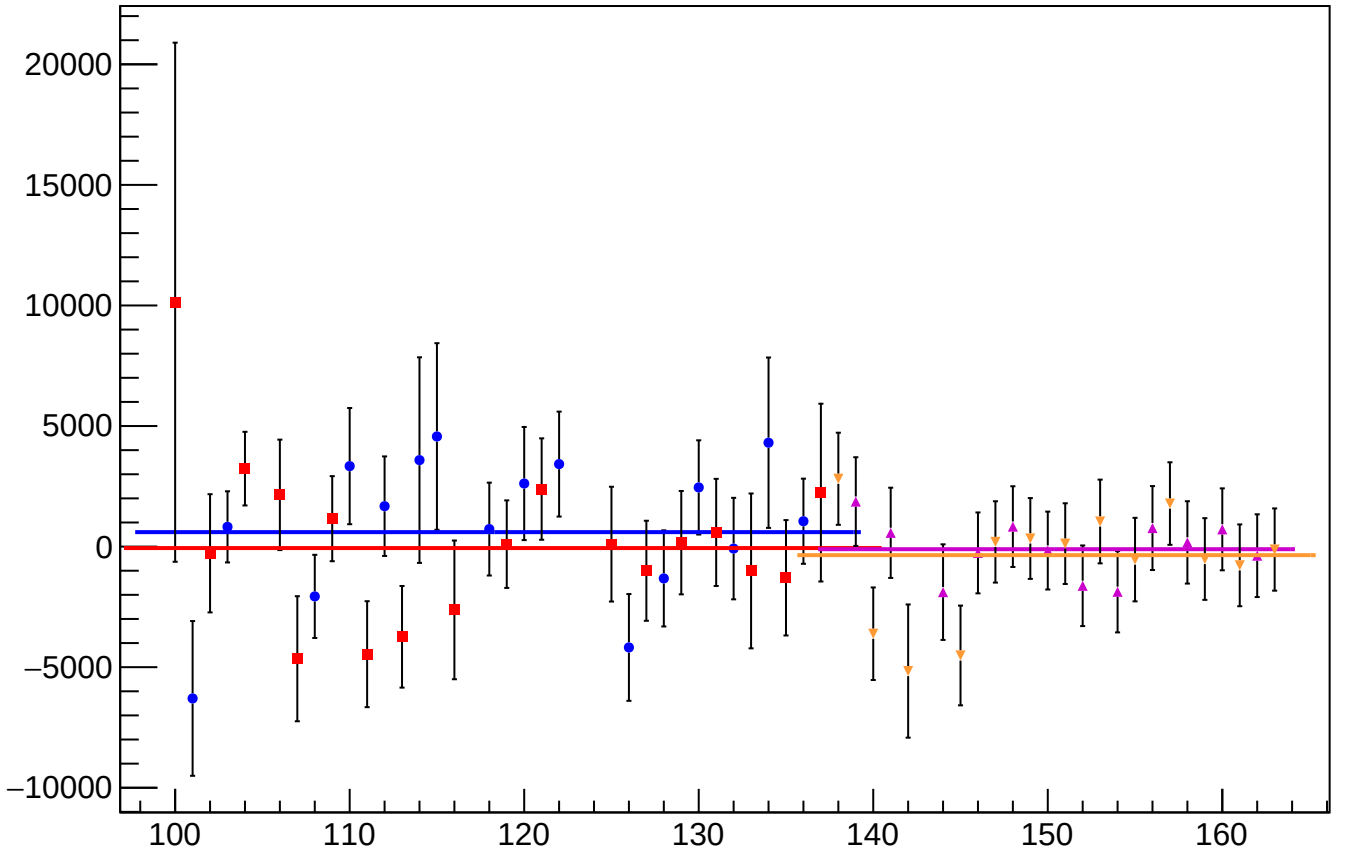
Left: 525.999+/-0.083 χ^2/NDF: 1141381.7/24

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 555.579+/-0.101 χ^2/NDF:4522684.3/27

Out: 516.901+/-0.096 χ^2/NDF:4922304.9/30

All: 535.265+/-0.069 χ^2/NDF: 9522439.5/58



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -354.082+/-498.636 χ^2/NDF:15.4/12

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -107.195+/-499.985 χ^2/NDF:4.9/11

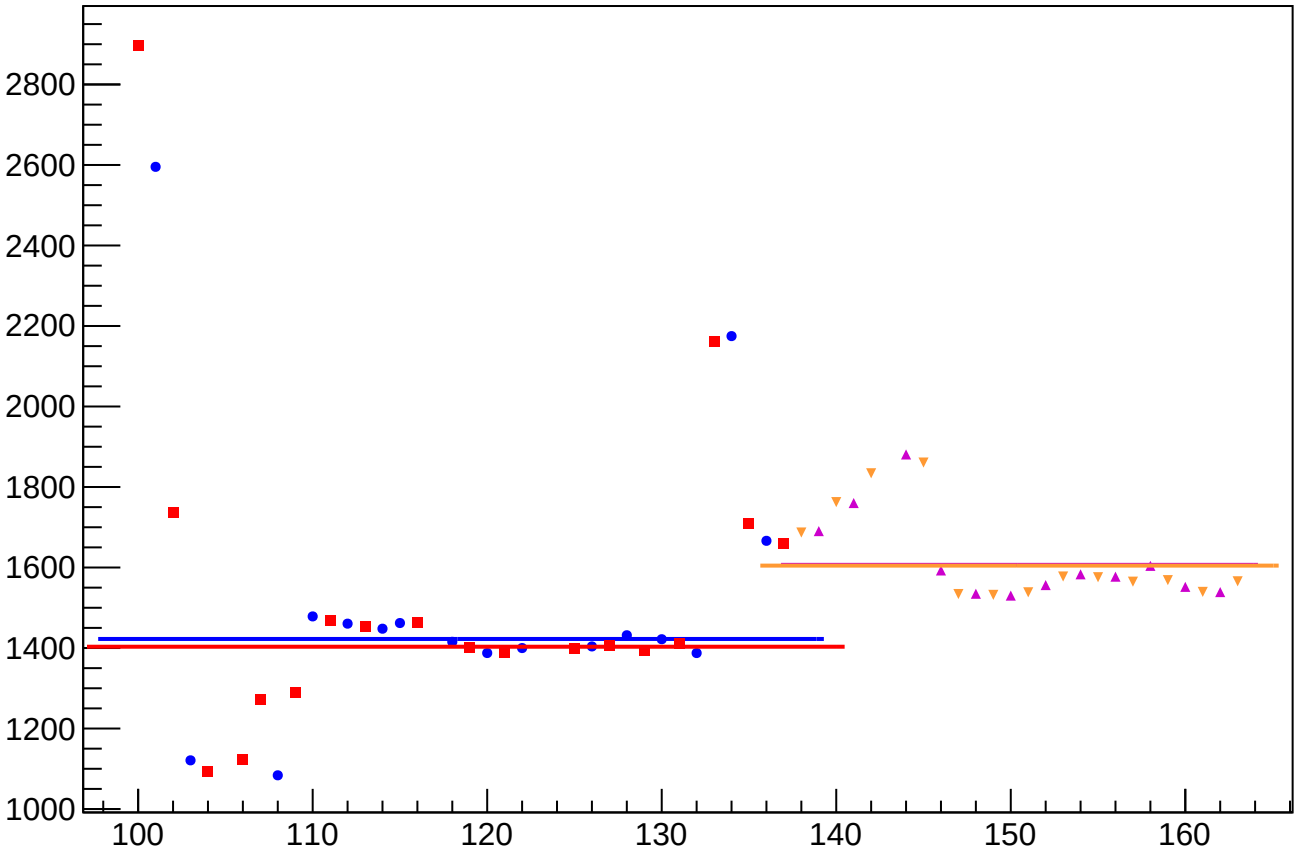
Left: -230.972+/-353.065 χ^2/NDF: 20.4/24

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 219.207+/-366.891 χ^2/NDF:26.1/27

Out: -216.947+/-364.076 χ^2/NDF:35.9/30

All: -0.549+/-258.430 χ^2/NDF: 62.7/58



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1606.607+/-0.354 χ^2/NDF:72141.3/11

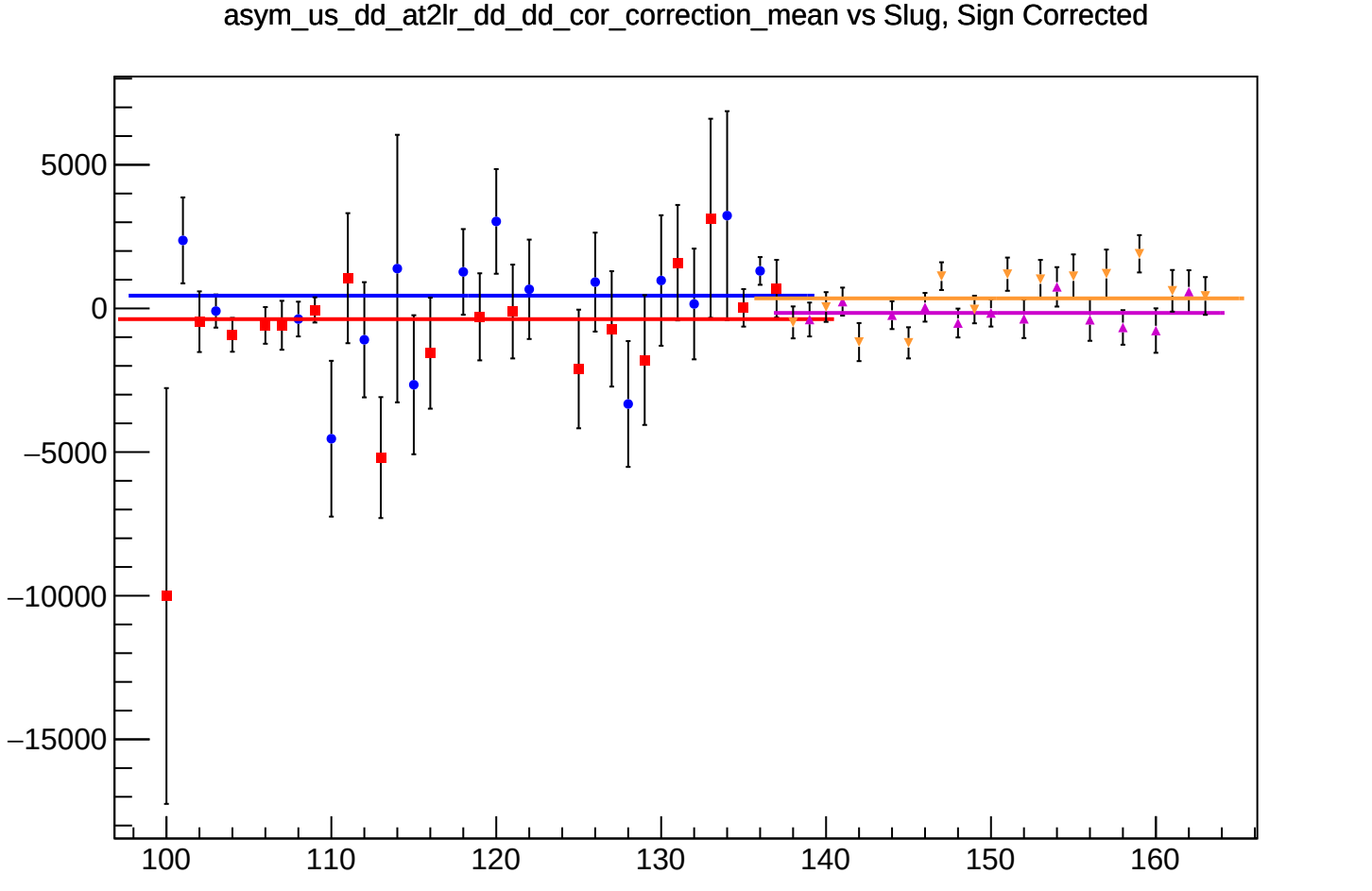
Left: 1605.663+/-0.250 χ^2/NDF: 151271.4/24

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1521.643+/-0.259 χ^2/NDF:757538.7/27

Out: 1510.643+/-0.257 χ^2/NDF:590720.8/30

All: 1516.101+/-0.183 χ^2/NDF: 1349165.1/58



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 350.951+/-166.169 χ^2/NDF:30.3/12

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -156.285+/-166.311 χ^2/NDF:5.7/11

Left: 97.549+/-117.549 χ^2/NDF: 40.7/24

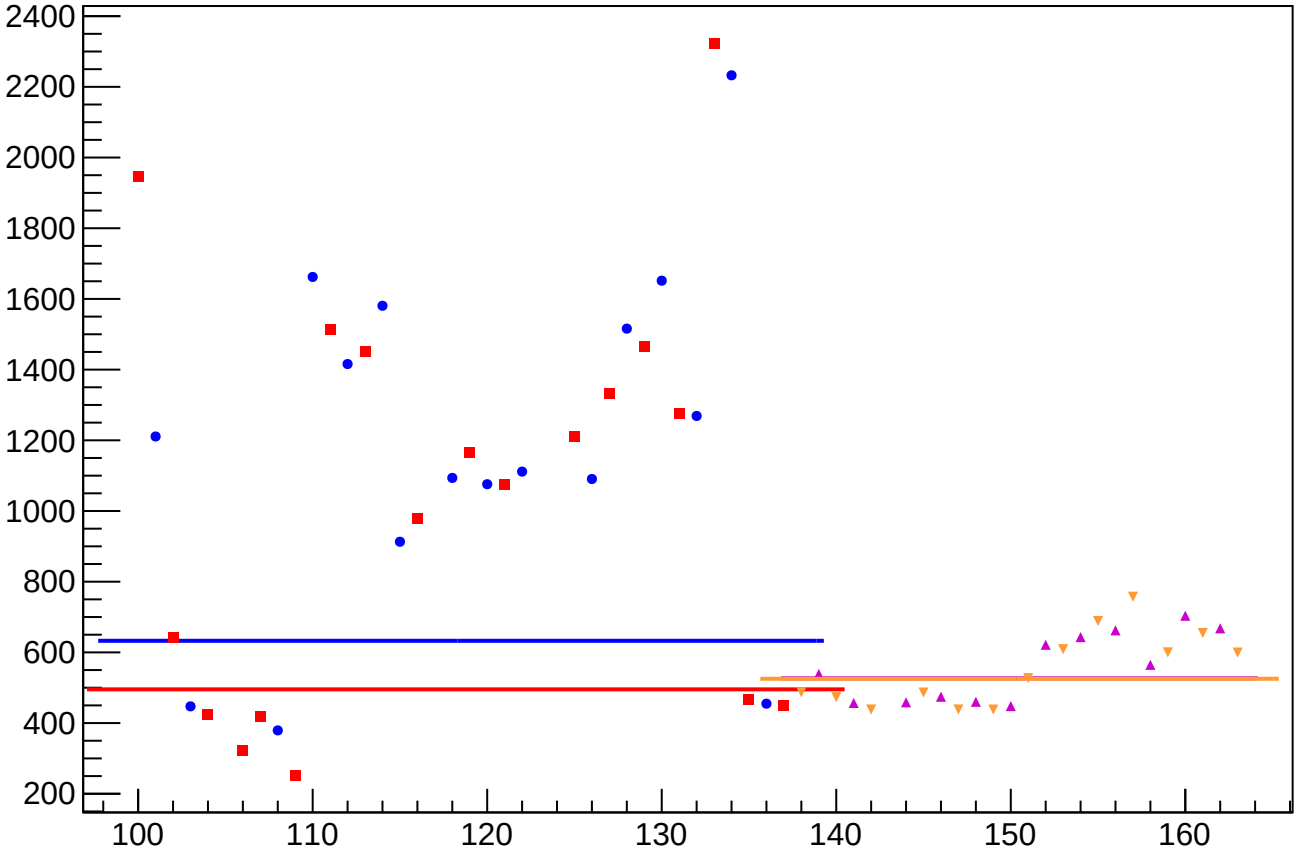
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 4.995+/-142.274 χ^2/NDF:28.4/27

Out: 104.735+/-134.964 χ^2/NDF:50.7/30

All: 57.493+/-97.916 χ^2/NDF: 79.4/58

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 525.333+/-0.117 χ^2/NDF:597792.3/12

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.667+/-0.118 χ^2/NDF:543453.8/11

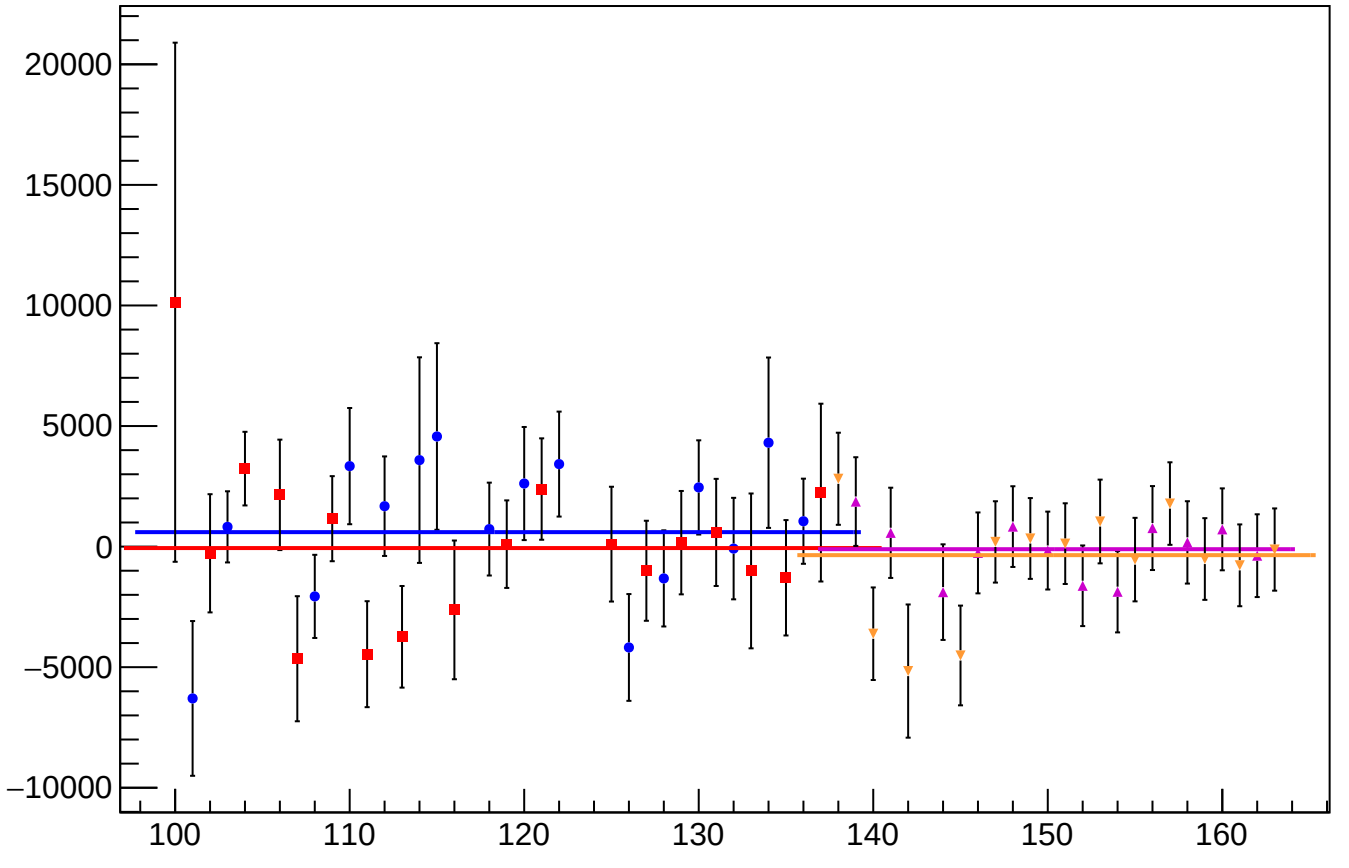
Left: 525.999+/-0.083 χ^2/NDF: 1141310.5/24

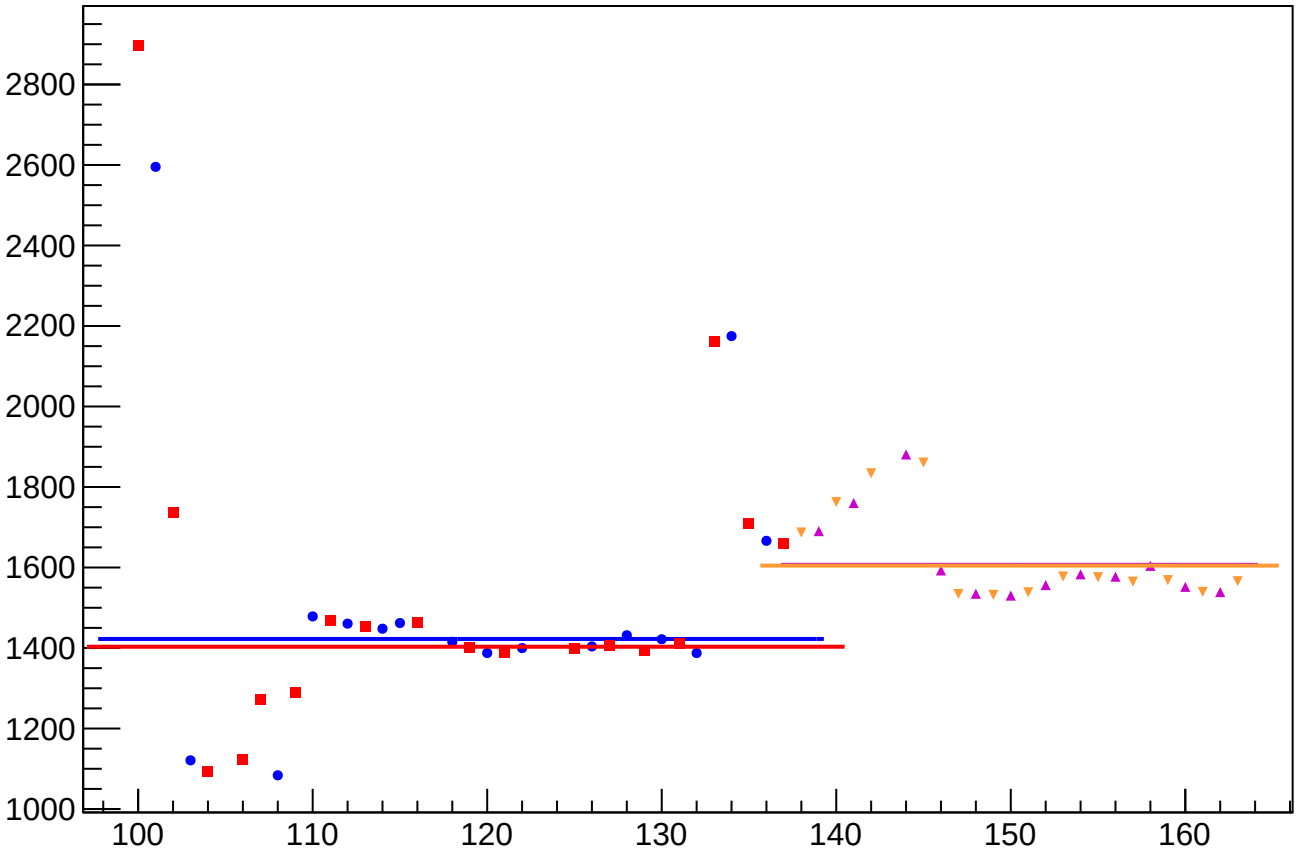
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 555.116+/-0.101 χ^2/NDF:4529416.5/27

Out: 515.139+/-0.095 χ^2/NDF:4957392.1/30

All: 534.075+/-0.069 χ^2/NDF: 9569923.3/58


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: -354.082+/-498.636 χ²/NDF:15.4/12
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -107.195+/-499.985 χ²/NDF:4.9/11
Left: -230.972+/-353.065 χ²/NDF: 20.4/24
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 219.207+/-366.891 χ²/NDF:26.1/27
Out: -216.947+/-364.076 χ²/NDF:35.9/30
All: -0.549+/-258.430 χ²/NDF: 62.7/58



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1604.724+/-0.353 χ^2/NDF:79115.9/12

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1606.607+/-0.354 χ^2/NDF:72141.3/11

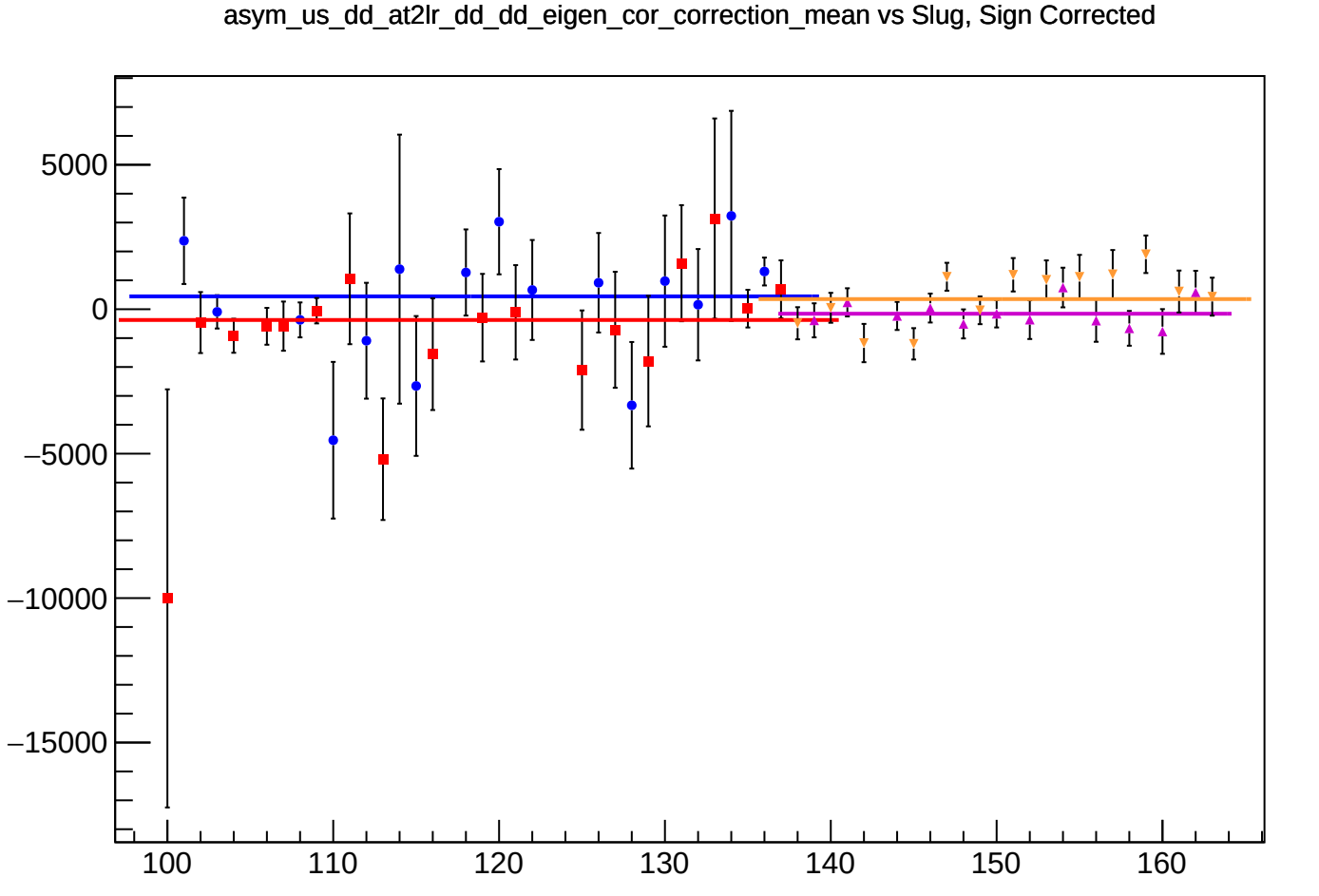
Left: 1605.663+/-0.250 χ^2/NDF: 151271.4/24

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1521.643+/-0.259 χ^2/NDF:757538.7/27

Out: 1510.643+/-0.257 χ^2/NDF:590720.8/30

All: 1516.101+/-0.183 χ^2/NDF: 1349165.1/58



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 350.951+/-166.169 χ^2/NDF:30.3/12

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -156.285+/-166.311 χ^2/NDF:5.7/11

Left: 97.549+/-117.549 χ^2/NDF: 40.7/24

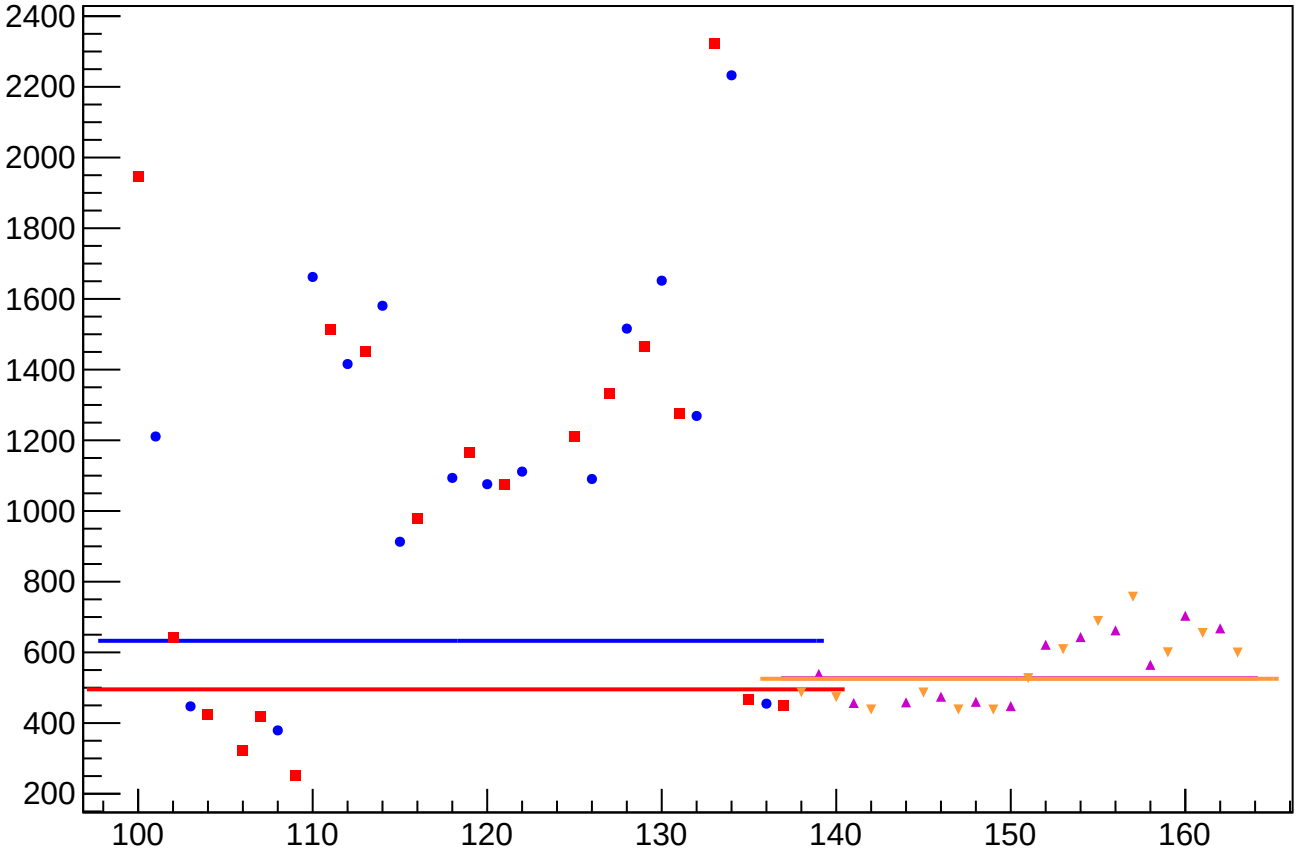
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 4.995+/-142.274 χ^2/NDF:28.4/27

Out: 104.735+/-134.964 χ^2/NDF:50.7/30

All: 57.493+/-97.916 χ^2/NDF: 79.4/58

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: 525.333+/-0.117 χ^2/NDF:597792.3/12

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 526.667+/-0.118 χ^2/NDF:543453.8/11

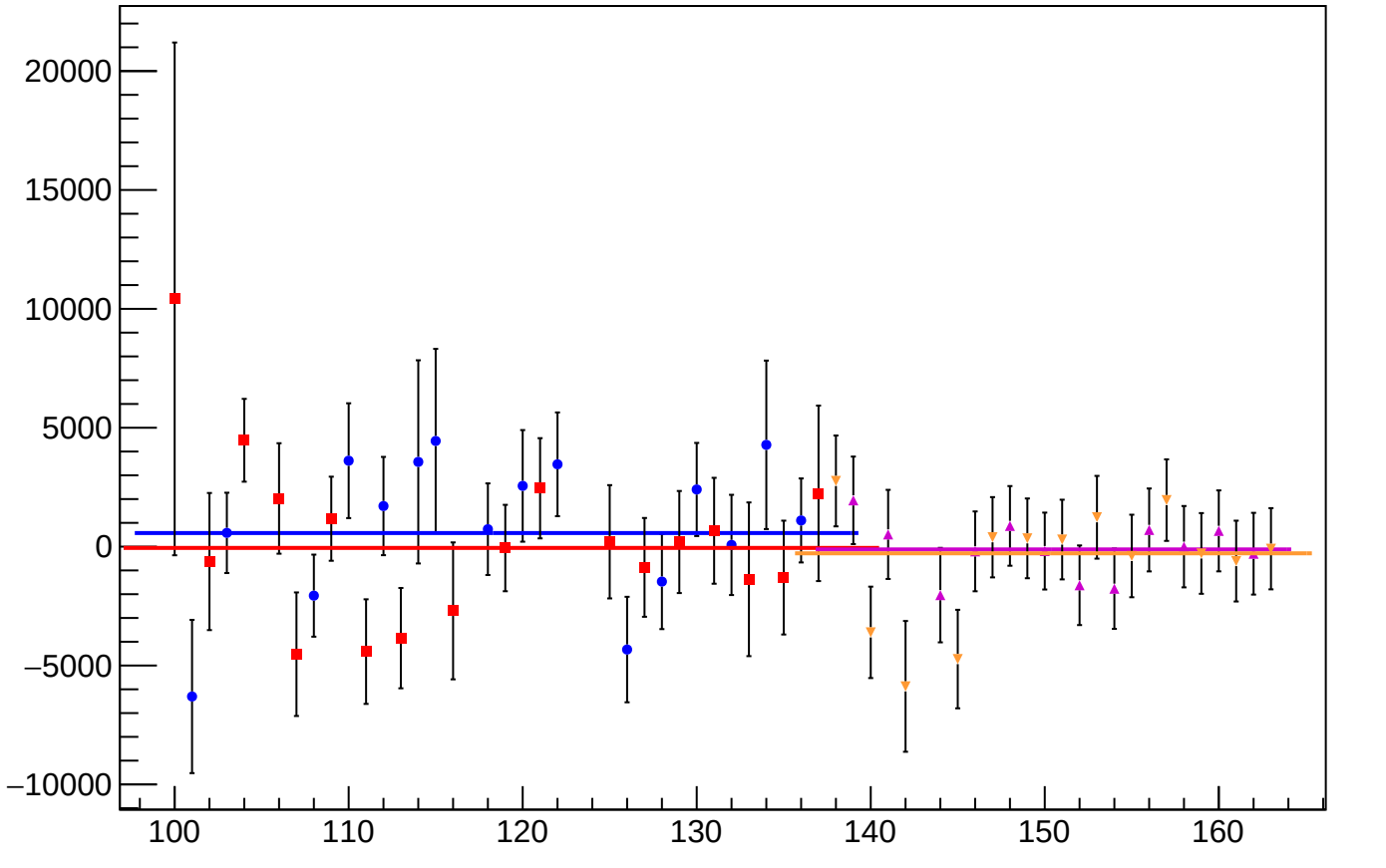
Left: 525.999+/-0.083 χ^2/NDF: 1141310.5/24

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 555.116+/-0.101 χ^2/NDF:4529416.5/27

Out: 515.139+/-0.095 χ^2/NDF:4957392.1/30

All: 534.075+/-0.069 χ^2/NDF: 9569923.3/58



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: -280.681+/-499.273 χ^2/NDF:17.2/12

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -116.879+/-500.746 χ^2/NDF:4.9/11

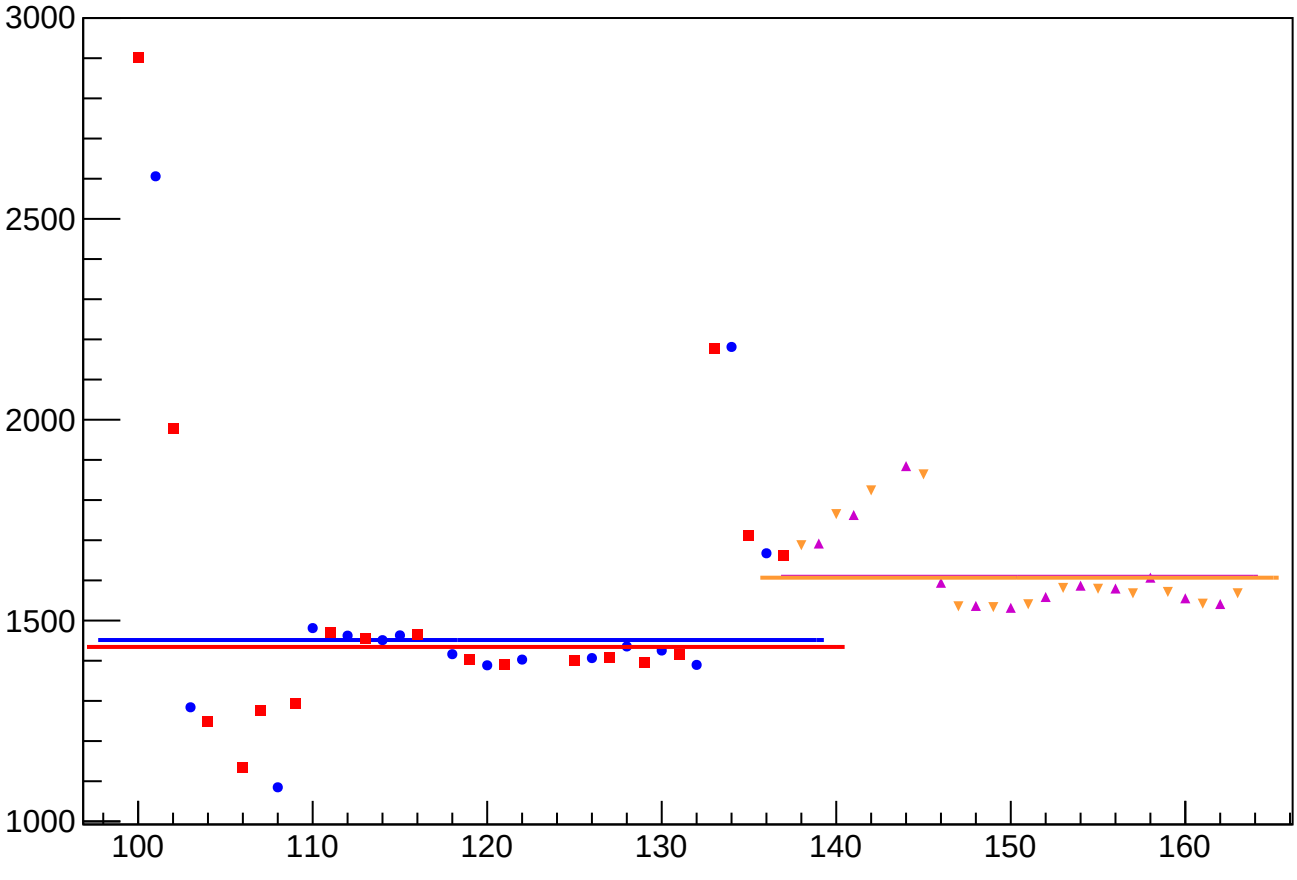
Left: -199.021+/-353.559 χ^2/NDF: 22.1/24

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 195.696+/-370.161 χ^2/NDF:26.5/27

Out: -177.208+/-368.254 χ^2/NDF:39.8/30

All: 8.281+/-261.067 χ^2/NDF: 66.8/58



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1606.742+/-0.353 χ^2/NDF:77740.4/12

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1609.038+/-0.354 χ^2/NDF:72284.5/11

Left: 1607.887+/-0.250 χ^2/NDF: 150046.1/24

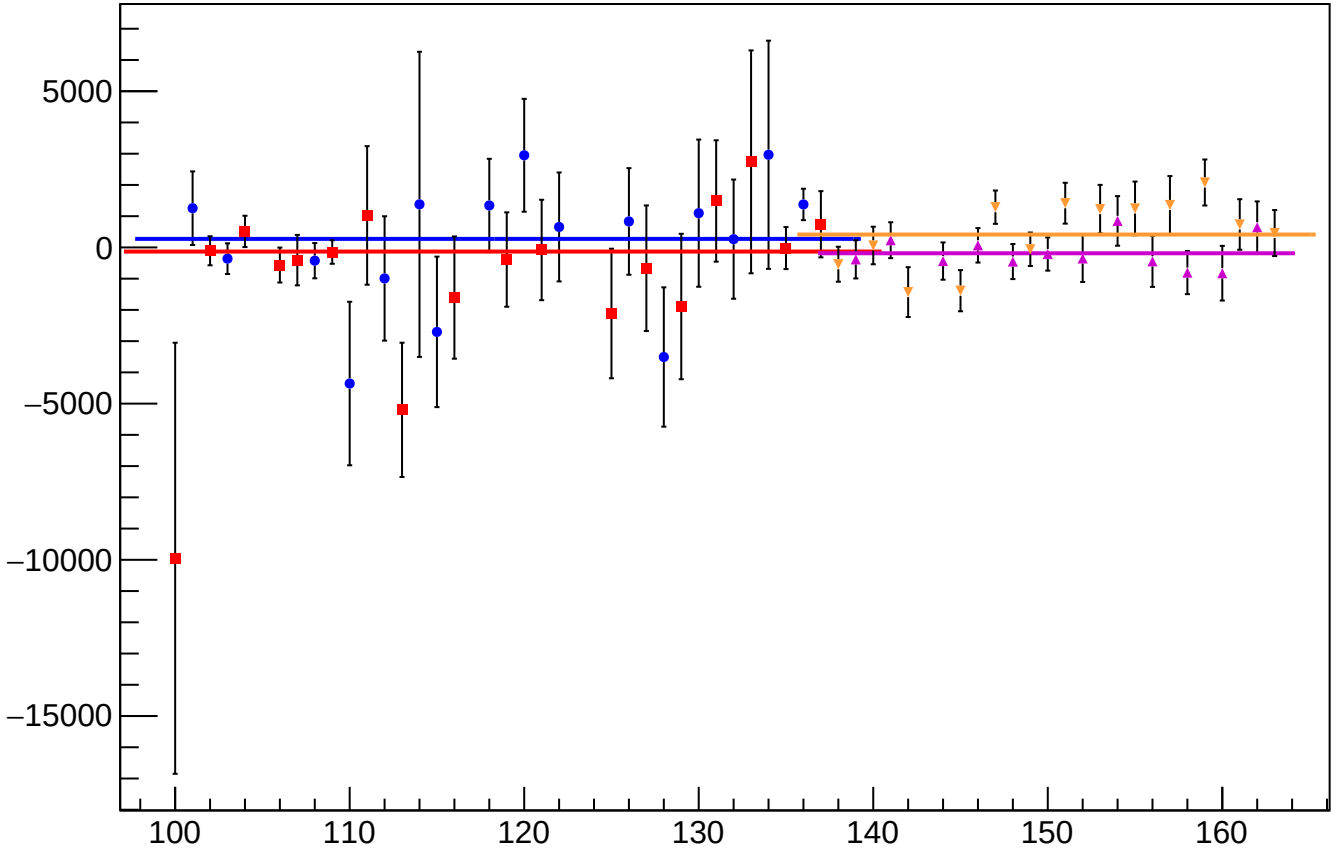
Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1537.622+/-0.262 χ^2/NDF:649814.5/27

Out: 1528.123+/-0.260 χ^2/NDF:515092.9/30

All: 1532.848+/-0.185 χ^2/NDF: 1165569.4/58

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 411.876+/-187.088 χ^2/NDF:30.2/12

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -187.187+/-188.213 χ^2/NDF:5.4/11

Left: 114.141+/-132.687 χ^2/NDF: 40.7/24

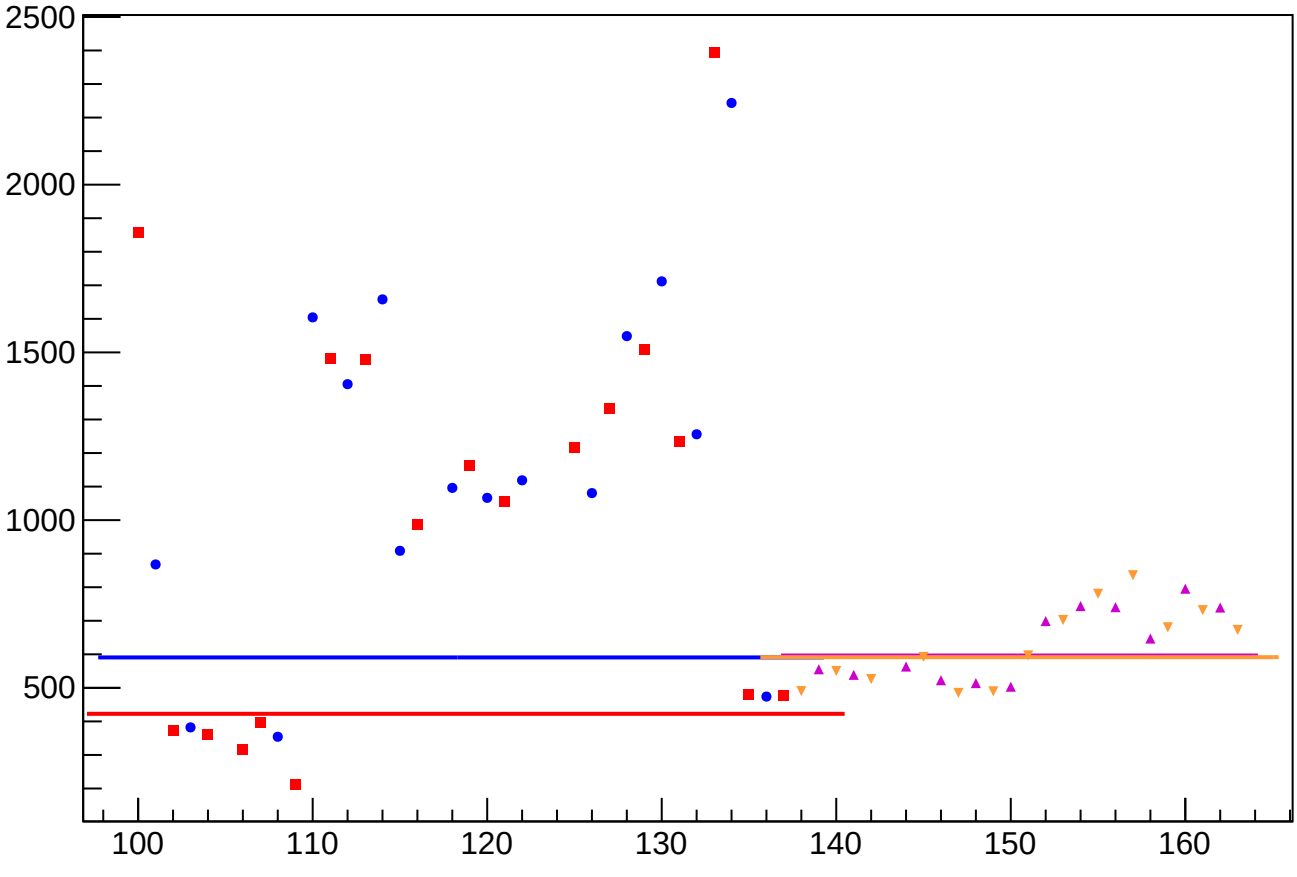
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -29.232+/-152.567 χ^2/NDF:27.7/27

Out: 152.219+/-135.310 χ^2/NDF:48.7/30

All: 72.332+/-101.232 χ^2/NDF: 77.2/58

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: 591.418+/-0.132 χ^2/NDF:630597.7/12

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 596.396+/-0.133 χ^2/NDF:517296.4/11

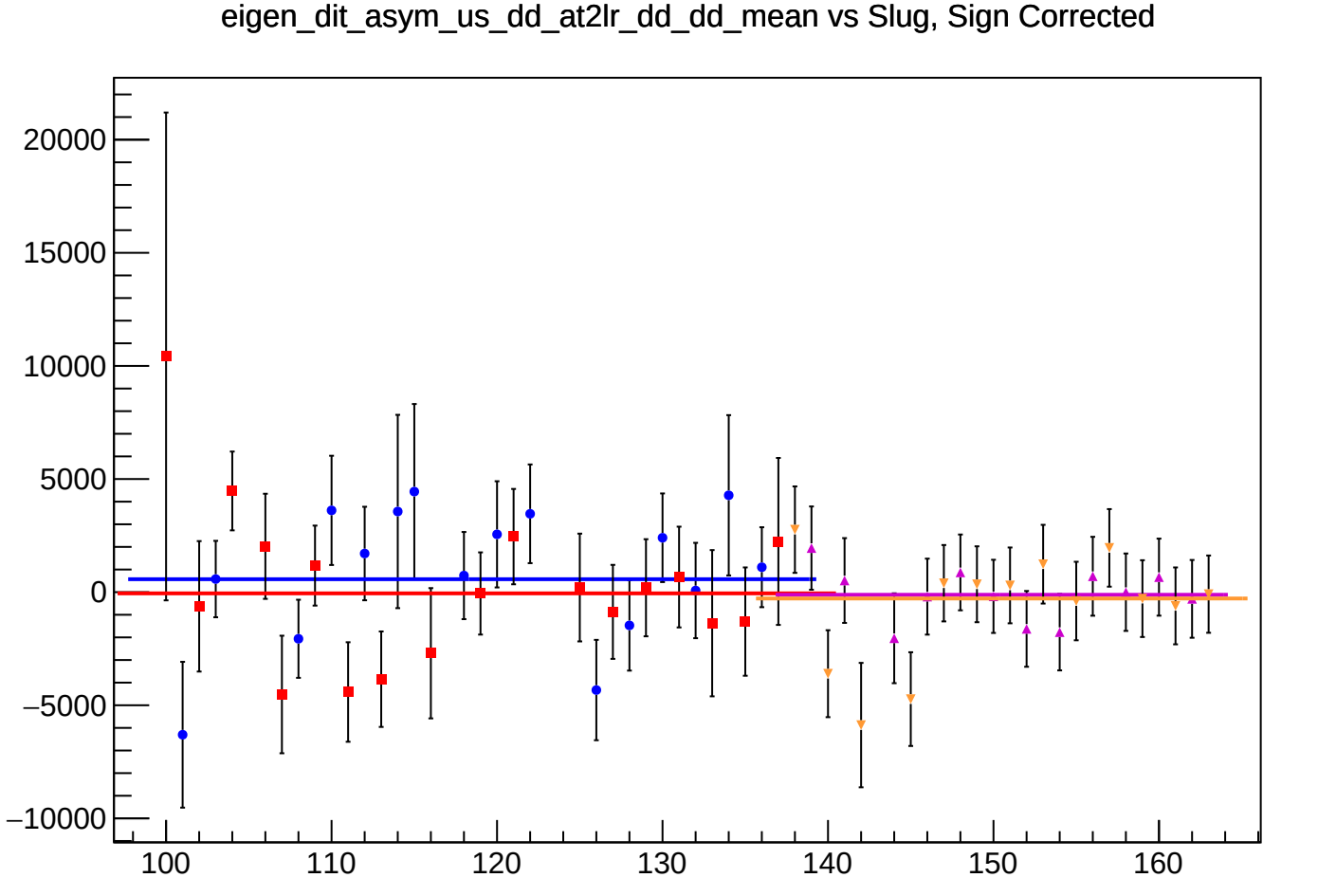
Left: 593.892+/-0.094 χ^2/NDF: 1148597.9/24

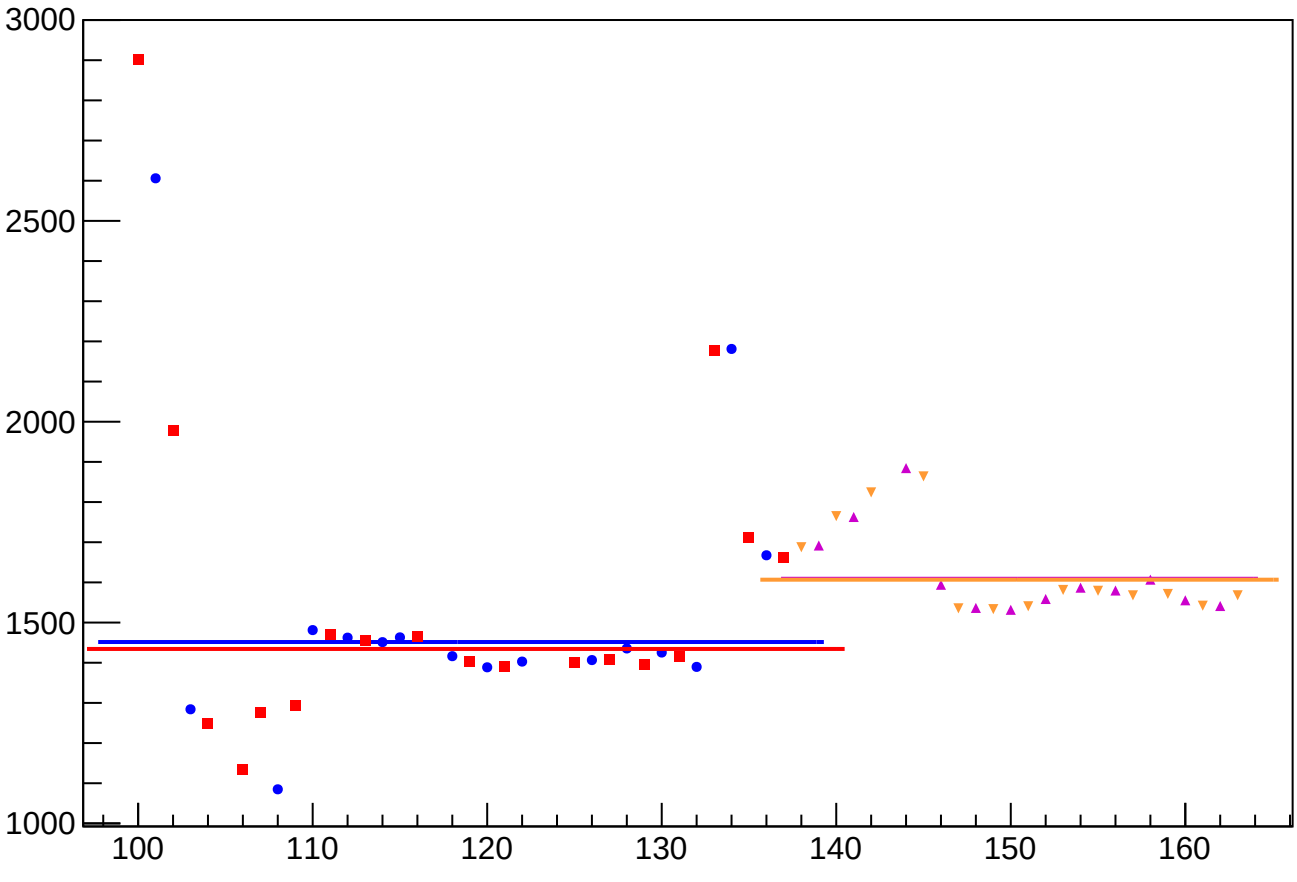
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 594.459+/-0.108 χ^2/NDF:4403415.9/27

Out: 510.919+/-0.096 χ^2/NDF:6264986.8/30

All: 547.699+/-0.072 χ^2/NDF: 11004047.1/58


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: -280.689+/-499.273 χ²/NDF:17.2/12
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -116.880+/-500.746 χ²/NDF:4.9/11
Left: -199.026+/-353.559 χ²/NDF: 22.1/24
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 195.696+/-370.161 χ²/NDF:26.5/27
Out: -177.212+/-368.254 χ²/NDF:39.8/30
All: 8.279+/-261.067 χ²/NDF: 66.8/58



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1606.742+/-0.353 χ^2/NDF:77740.6/12

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1609.038+/-0.354 χ^2/NDF:72284.7/11

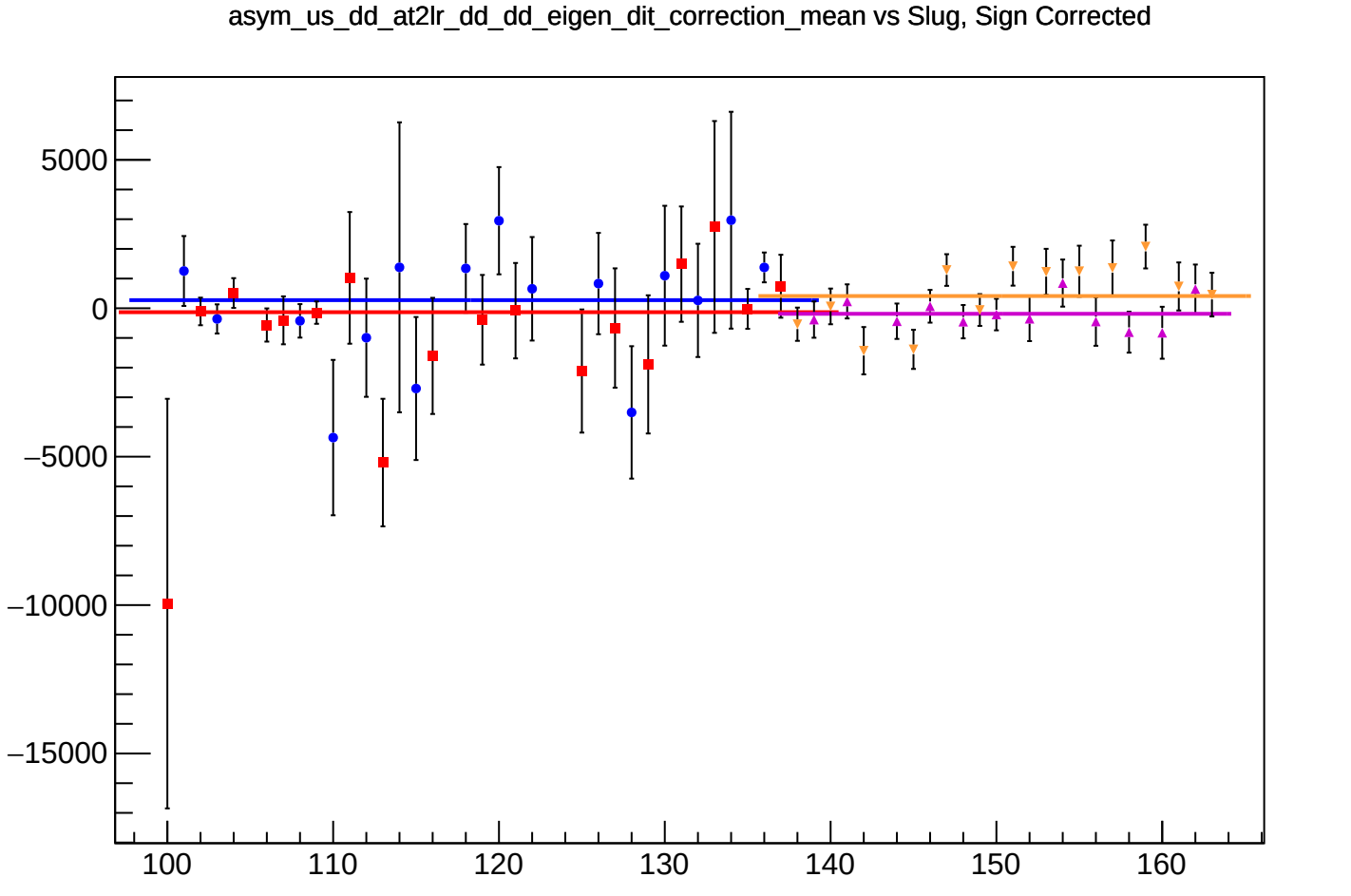
Left: 1607.887+/-0.250 χ^2/NDF: 150046.4/24

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1537.622+/-0.262 χ^2/NDF:649814.2/27

Out: 1528.123+/-0.260 χ^2/NDF:515093.3/30

All: 1532.848+/-0.185 χ^2/NDF: 1165569.5/58



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 411.883+/-187.088 χ^2/NDF:30.2/12

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -187.188+/-188.213 χ^2/NDF:5.4/11

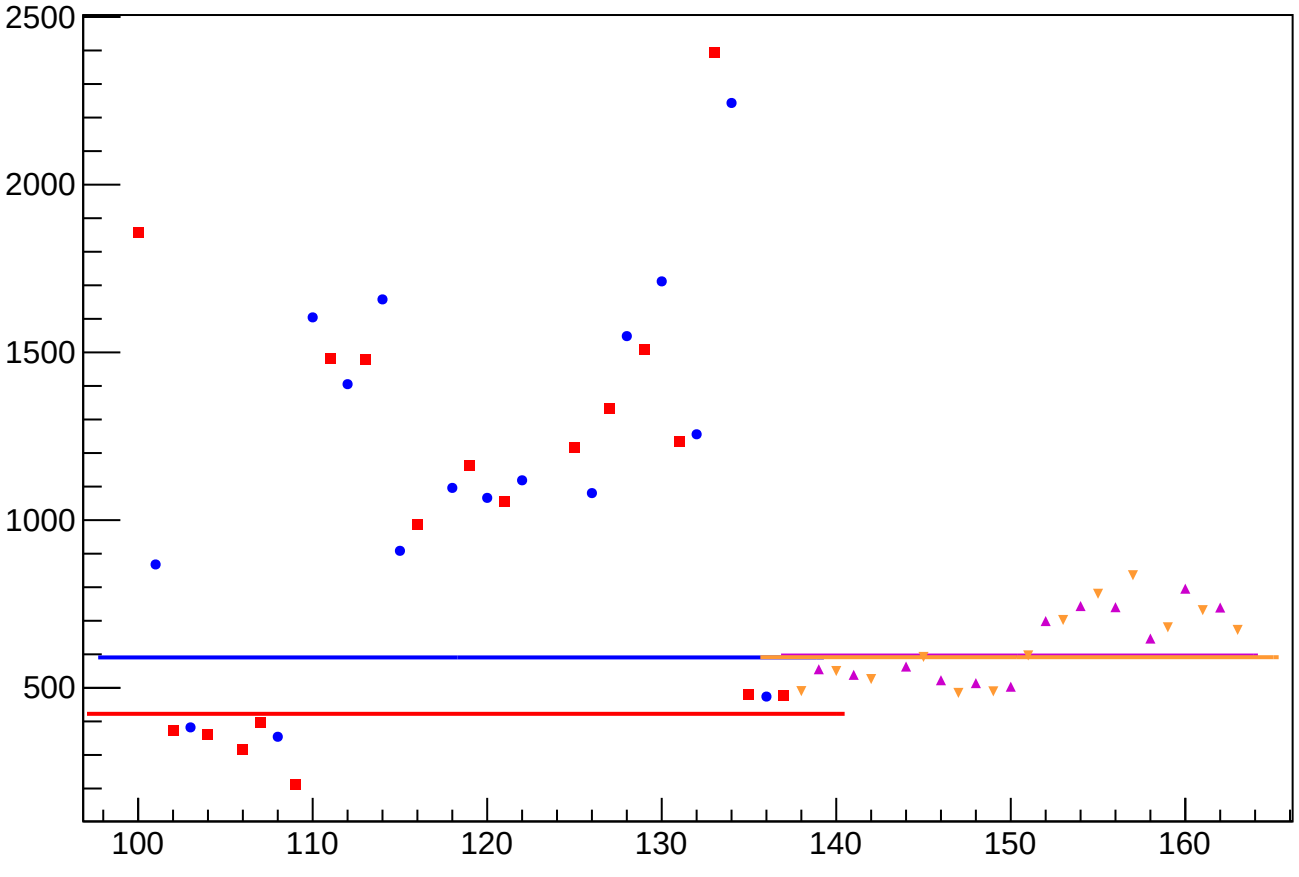
Left: 114.143+/-132.687 χ^2/NDF: 40.7/24

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -29.236+/-152.567 χ^2/NDF:27.7/27

Out: 152.226+/-135.311 χ^2/NDF:48.7/30

All: 72.334+/-101.233 χ^2/NDF: 77.2/58



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 591.420+/-0.132 χ^2/NDF:630578.1/12

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 596.397+/-0.133 χ^2/NDF:517317.0/11

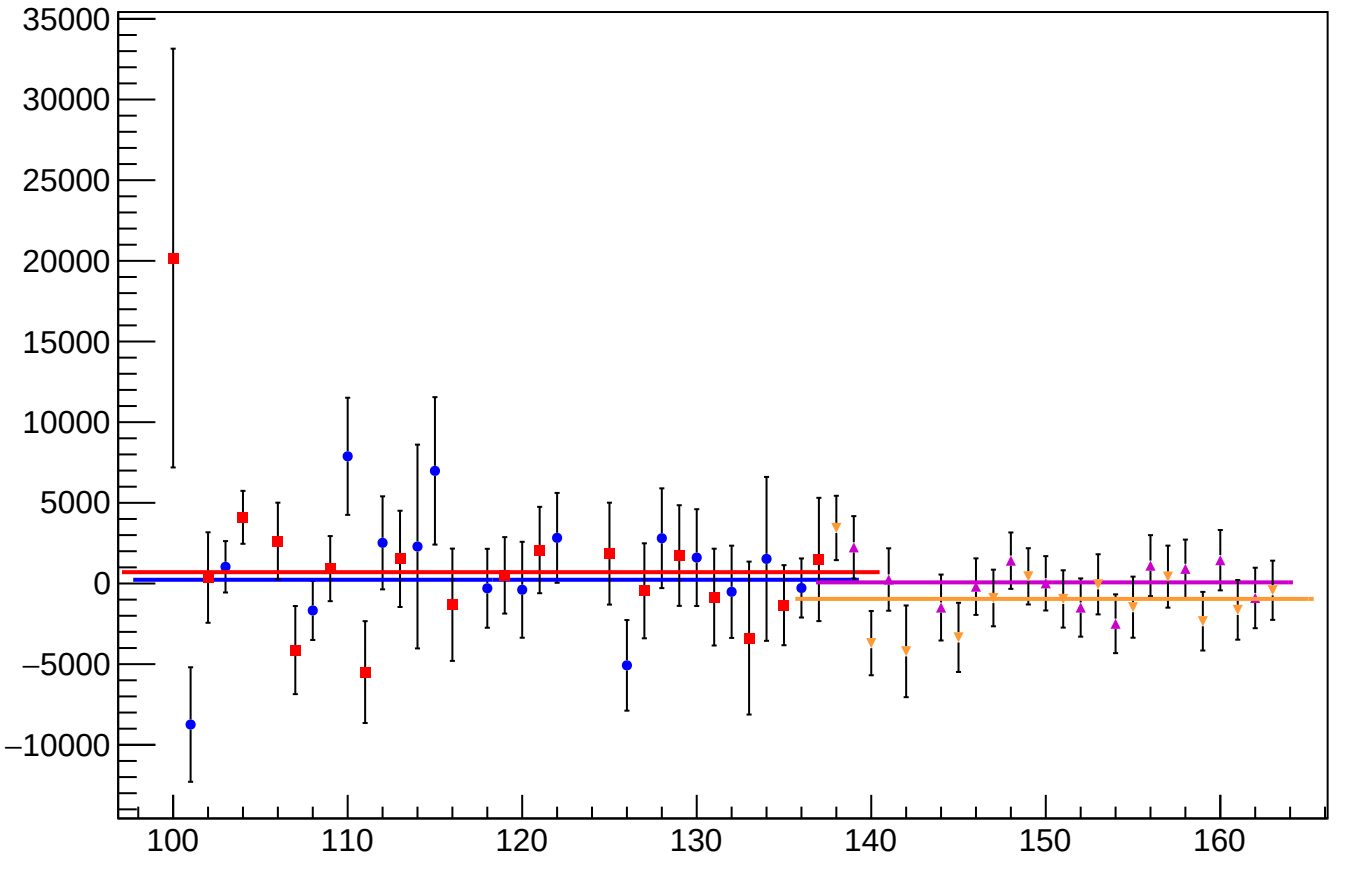
Left: 593.894+/-0.094 χ^2/NDF: 1148598.5/24

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 594.460+/-0.108 χ^2/NDF:4403465.7/27

Out: 510.924+/-0.096 χ^2/NDF:6264851.3/30

All: 547.702+/-0.072 χ^2/NDF: 11003924.7/58



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -954.770+/-531.118 χ^2/NDF:11.6/12

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 69.381+/-531.370 χ^2/NDF:6.5/11

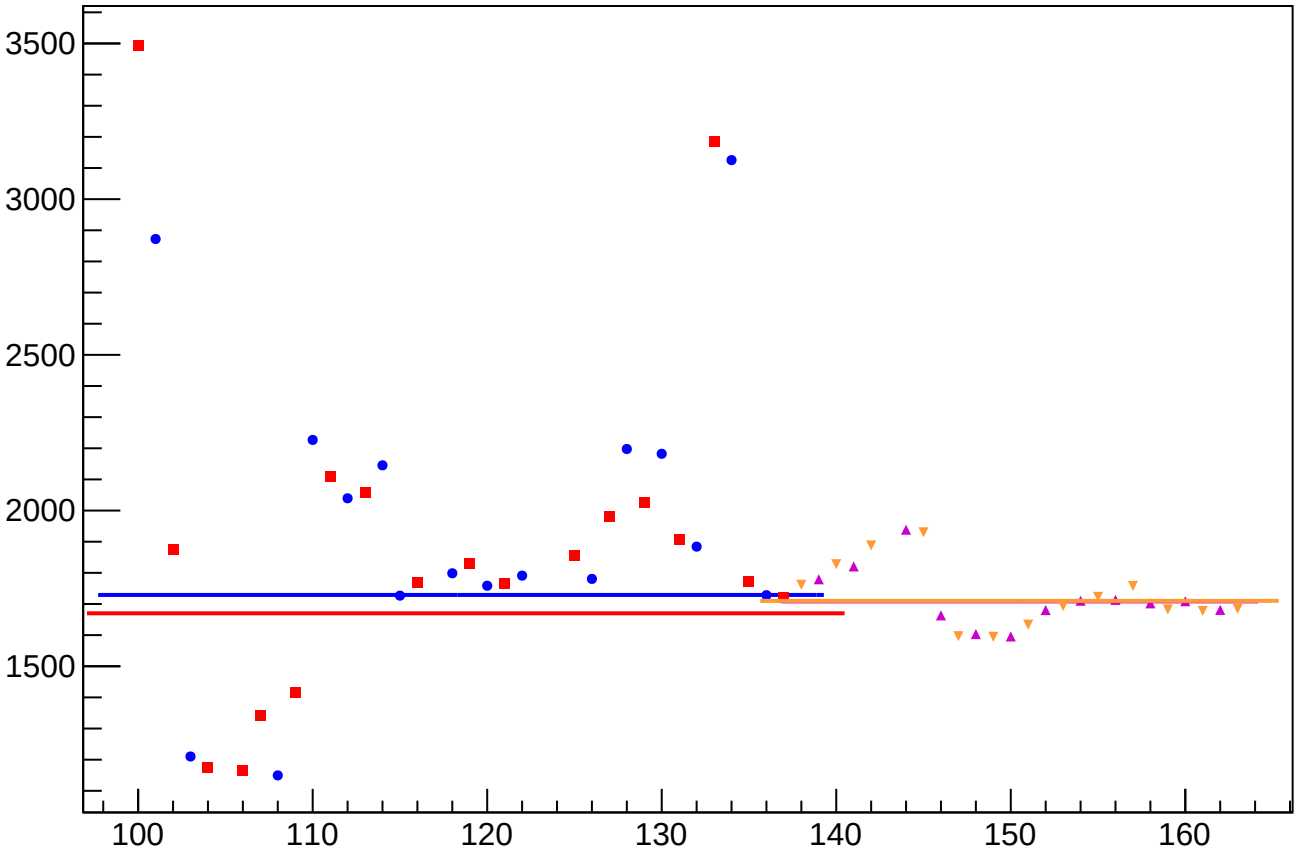
Left: -442.937+/-375.646 χ^2/NDF: 19.9/24

Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 132.125+/-415.423 χ^2/NDF:27.3/27

Out: -289.301+/-410.853 χ^2/NDF:32.5/30

All: -80.919+/-292.119 χ^2/NDF: 60.3/58



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1710.021+/-0.376 χ^2/NDF:61014.3/12

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1708.213+/-0.376 χ^2/NDF:53231.6/11

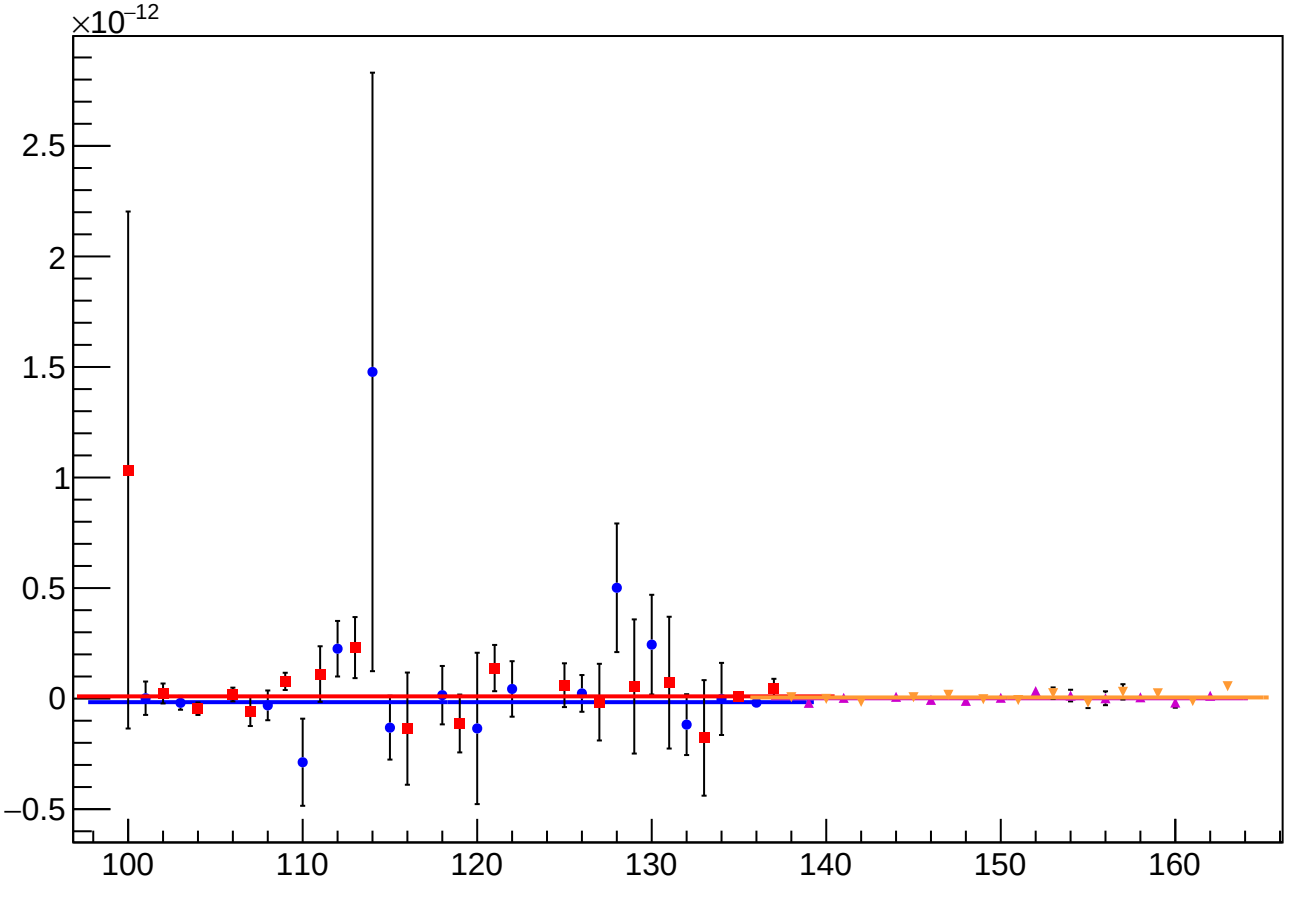
Left: 1709.118+/-0.266 χ^2/NDF: 114257.5/24

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1716.314+/-0.294 χ^2/NDF:996506.3/27

Out: 1693.971+/-0.291 χ^2/NDF:810014.1/30

All: 1705.019+/-0.207 χ^2/NDF: 1809445.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:6.8/11

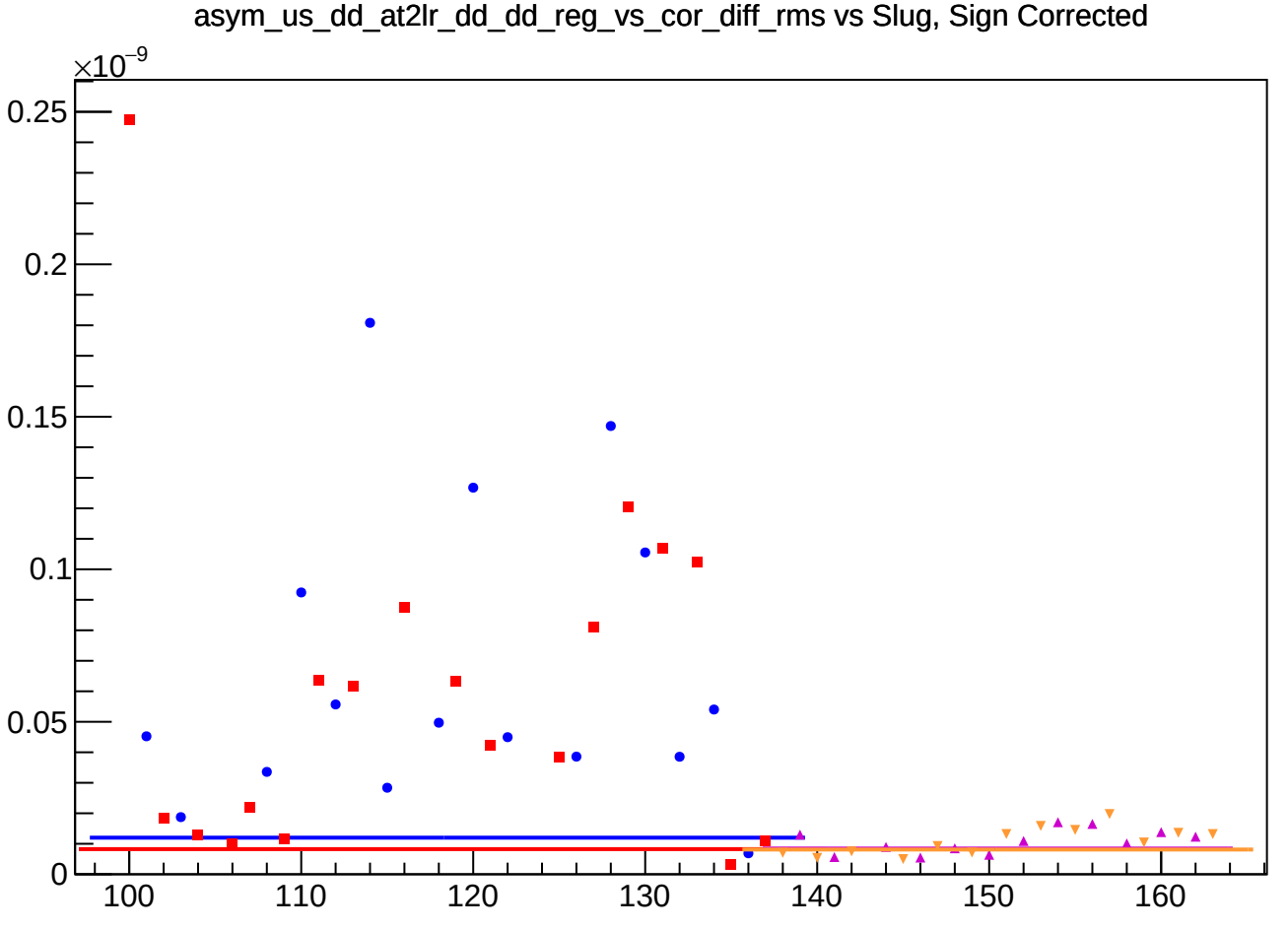
Left: 0.000+/-0.000 χ^2/NDF: 19.4/24

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:22.6/27

Out: 0.000+/-0.000 χ^2/NDF:28.8/30

All: 0.000+/-0.000 χ^2/NDF: 53.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1362824.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1084177.6/11

Left: 0.000+/-0.000 χ^2/NDF: 2452523.3/24

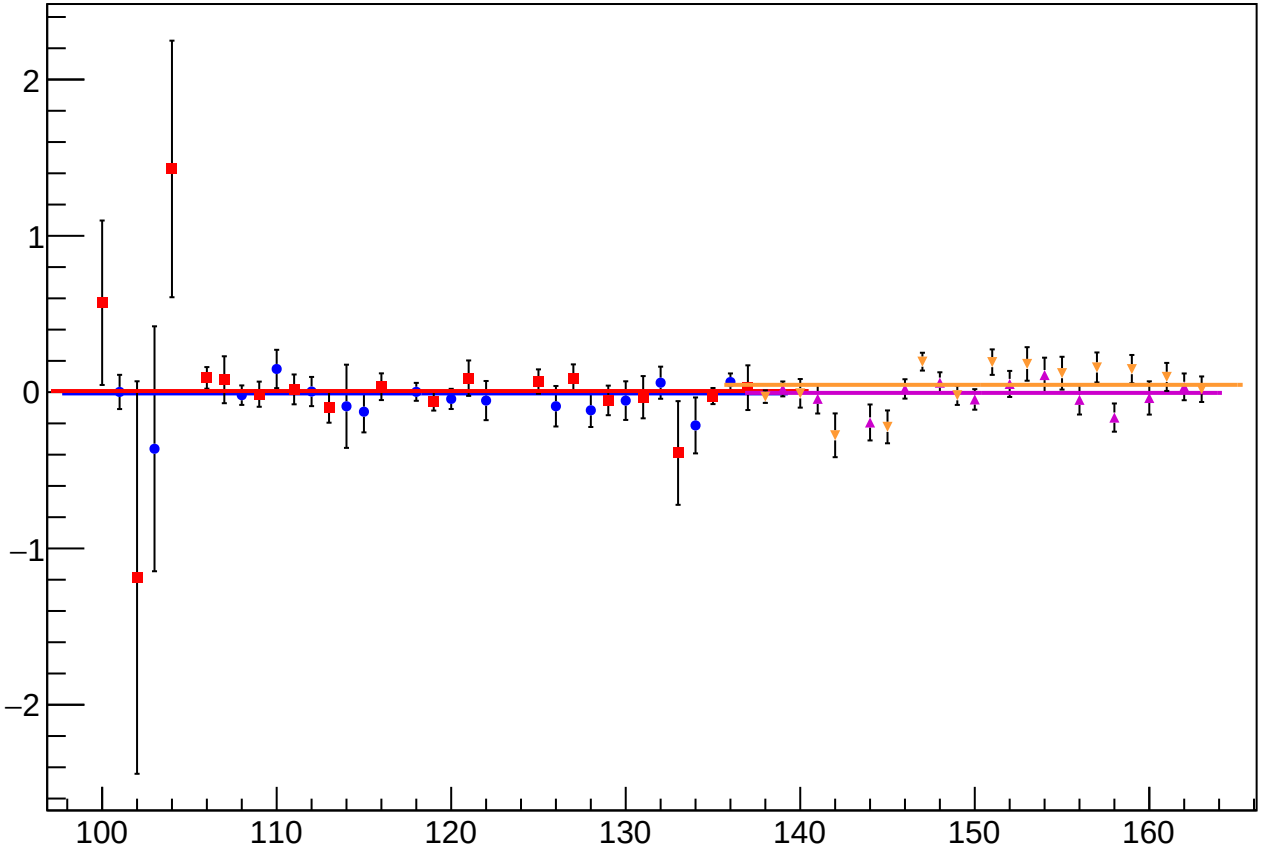
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4715699.5/27

Out: 0.000+/-0.000 χ^2/NDF:4873375.7/30

All: 0.000+/-0.000 χ^2/NDF: 9634454.7/58

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.022 χ^2/NDF:9.8/11

Left: 0.022+/-0.015 χ^2/NDF: 44.6/24

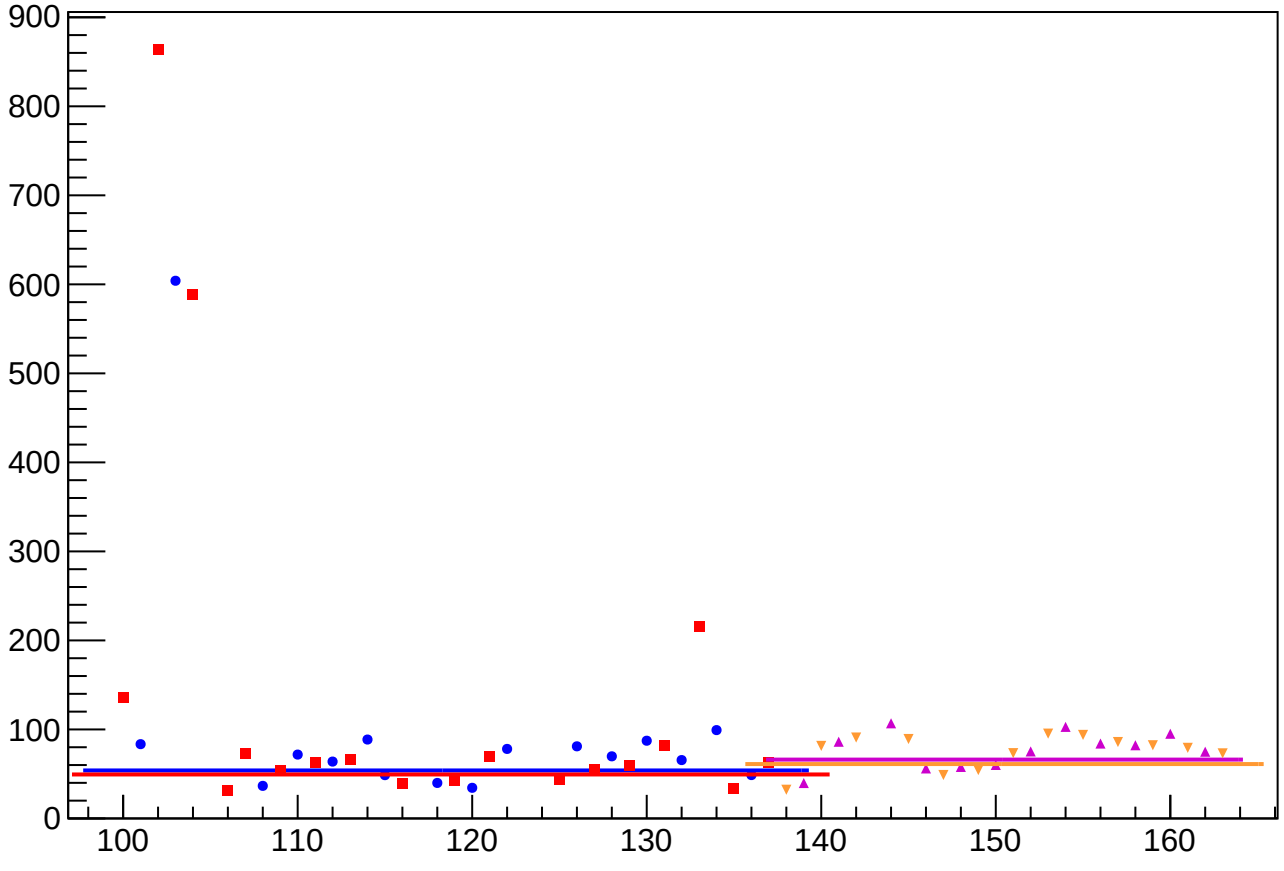
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/27

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/58

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 61.104+/-0.015 χ^2/NDF:2304779.1/12

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 66.114+/-0.016 χ^2/NDF:1602738.6/11

Left: 63.462+/-0.011 χ^2/NDF: 3961624.6/24

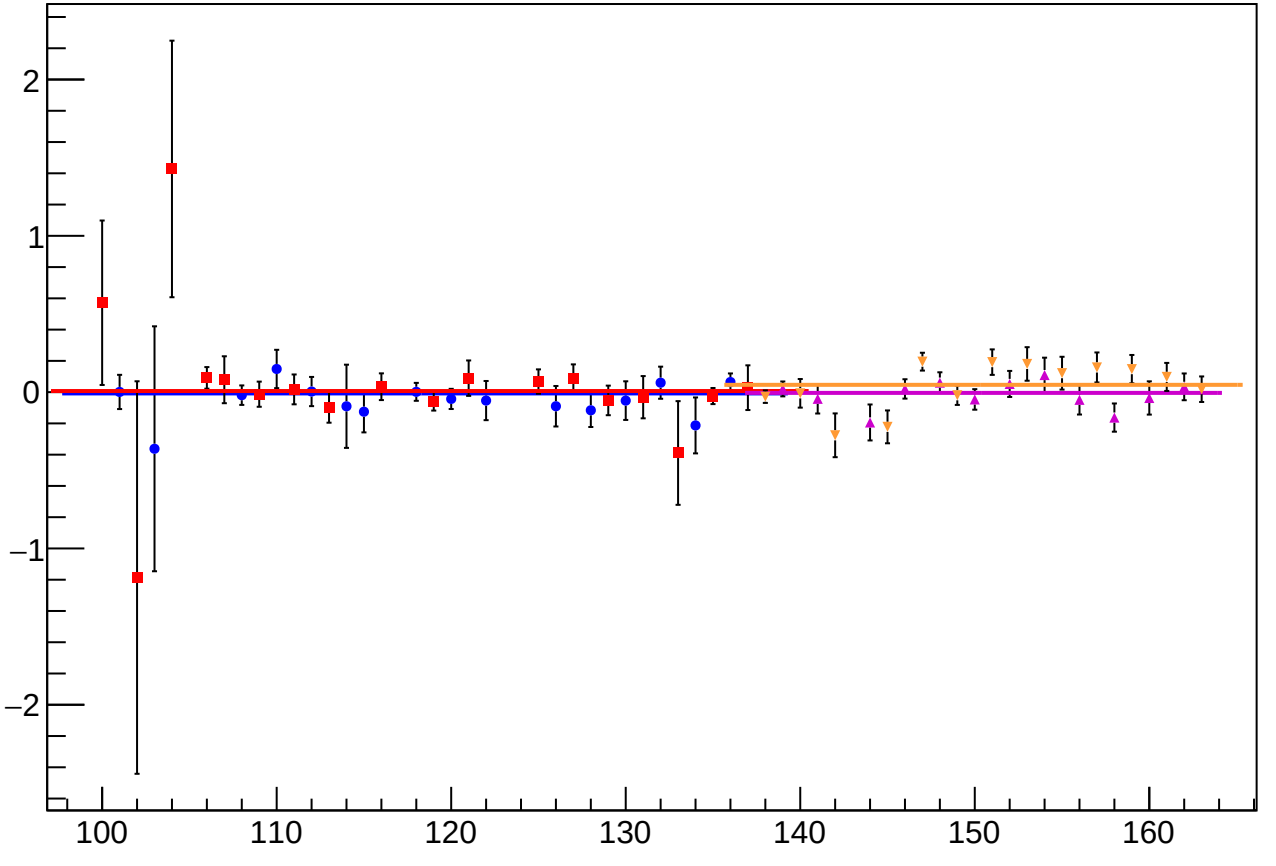
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 60.274+/-0.011 χ^2/NDF:4106863.6/27

Out: 55.620+/-0.011 χ^2/NDF:5615872.6/30

All: 57.832+/-0.008 χ^2/NDF: 9811558.4/58

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.022 χ^2/NDF:9.8/11

Left: 0.022+/-0.015 χ^2/NDF: 44.6/24

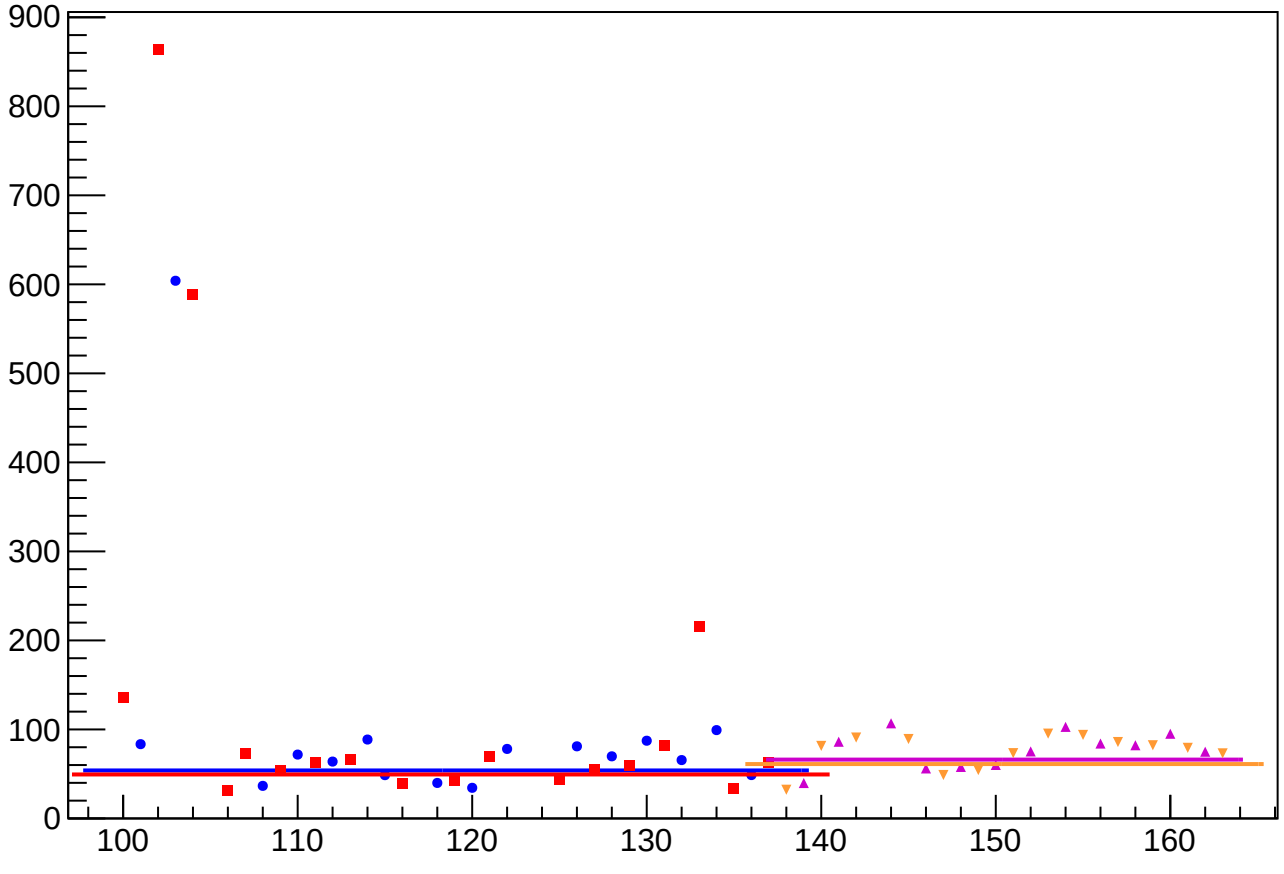
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/27

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/58

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: 61.104+/-0.015 χ^2/NDF:2304779.1/12

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 66.114+/-0.016 χ^2/NDF:1602738.6/11

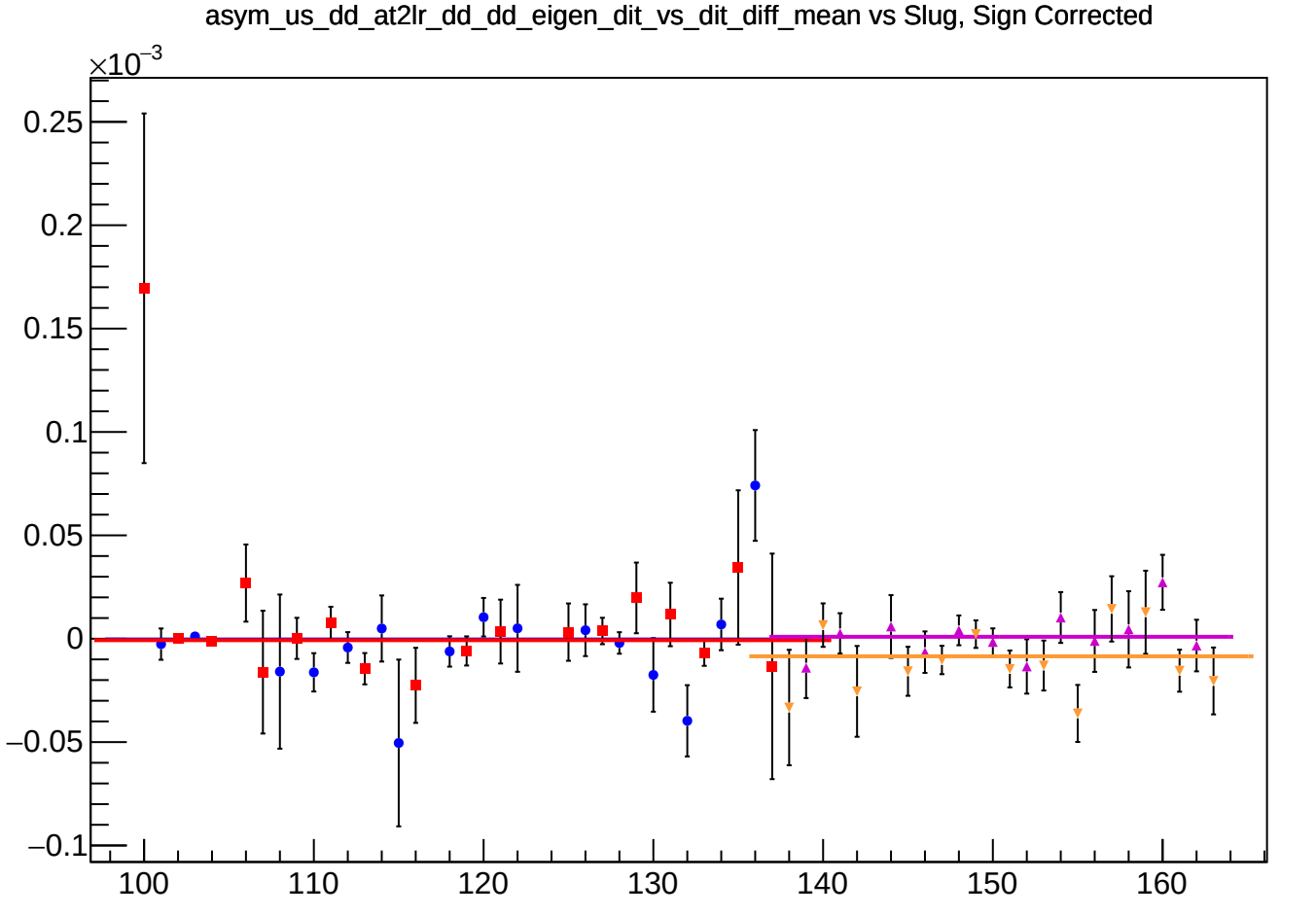
Left: 63.462+/-0.011 χ^2/NDF: 3961624.6/24

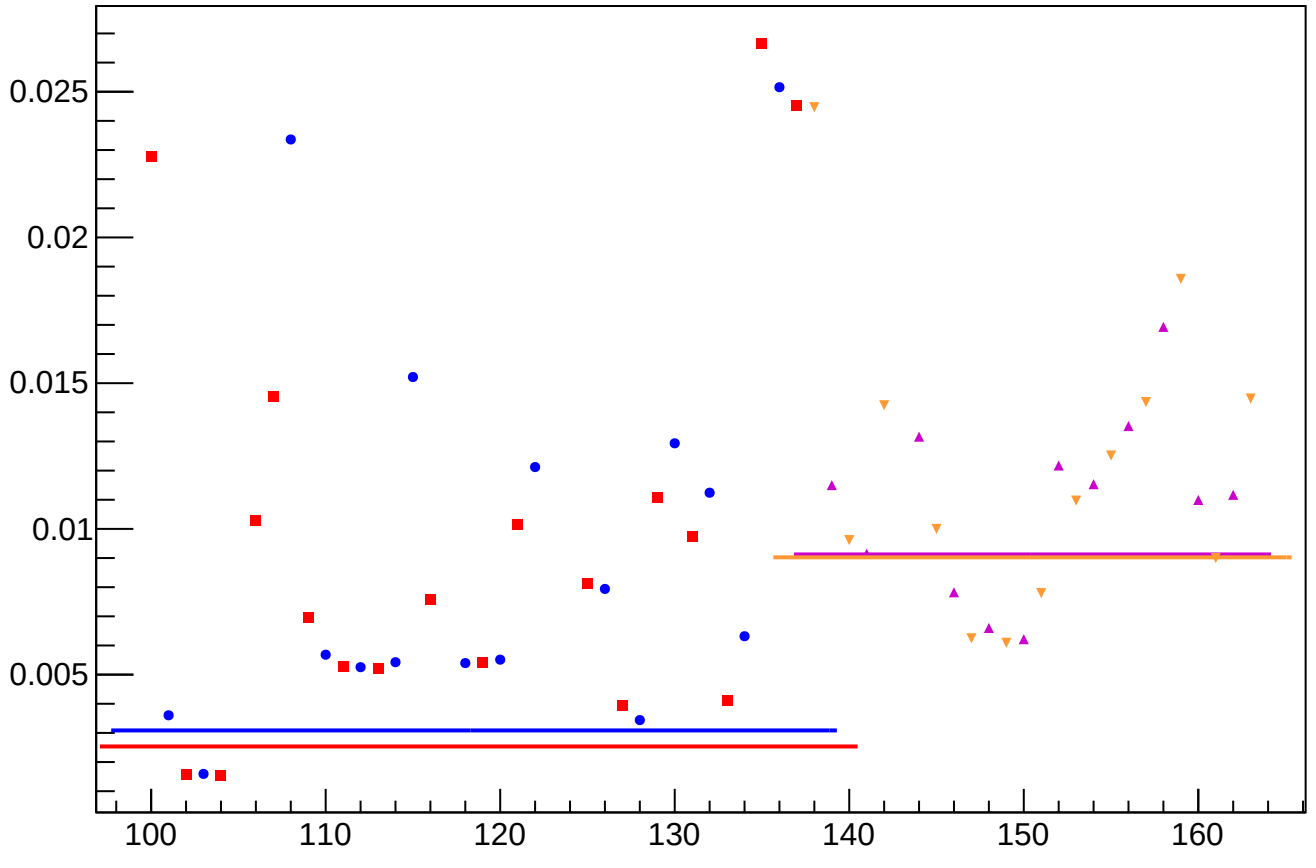
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 60.274+/-0.011 χ^2/NDF:4106863.6/27

Out: 55.620+/-0.011 χ^2/NDF:5615872.6/30

All: 57.832+/-0.008 χ^2/NDF: 9811558.4/58


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
Right In: -0.000+/-0.000 χ²/NDF: 22.1/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/12
Right Out: -0.000+/-0.000 χ²/NDF: 17.8/17
Left In: 0.000+/-0.000 χ²/NDF:7.9/11
Left: -0.000+/-0.000 χ²/NDF: 28.0/24
Right: -0.000+/-0.000 χ²/NDF: 40.0/33
In: -0.000+/-0.000 χ²/NDF:30.2/27
Out: -0.000+/-0.000 χ²/NDF:38.7/30
All: -0.000+/-0.000 χ²/NDF: 69.8/58



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:2582803.8/12

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.009+/-0.000 χ^2/NDF:1674101.5/11

Left: 0.009+/-0.000 χ^2/NDF: 4257951.4/24

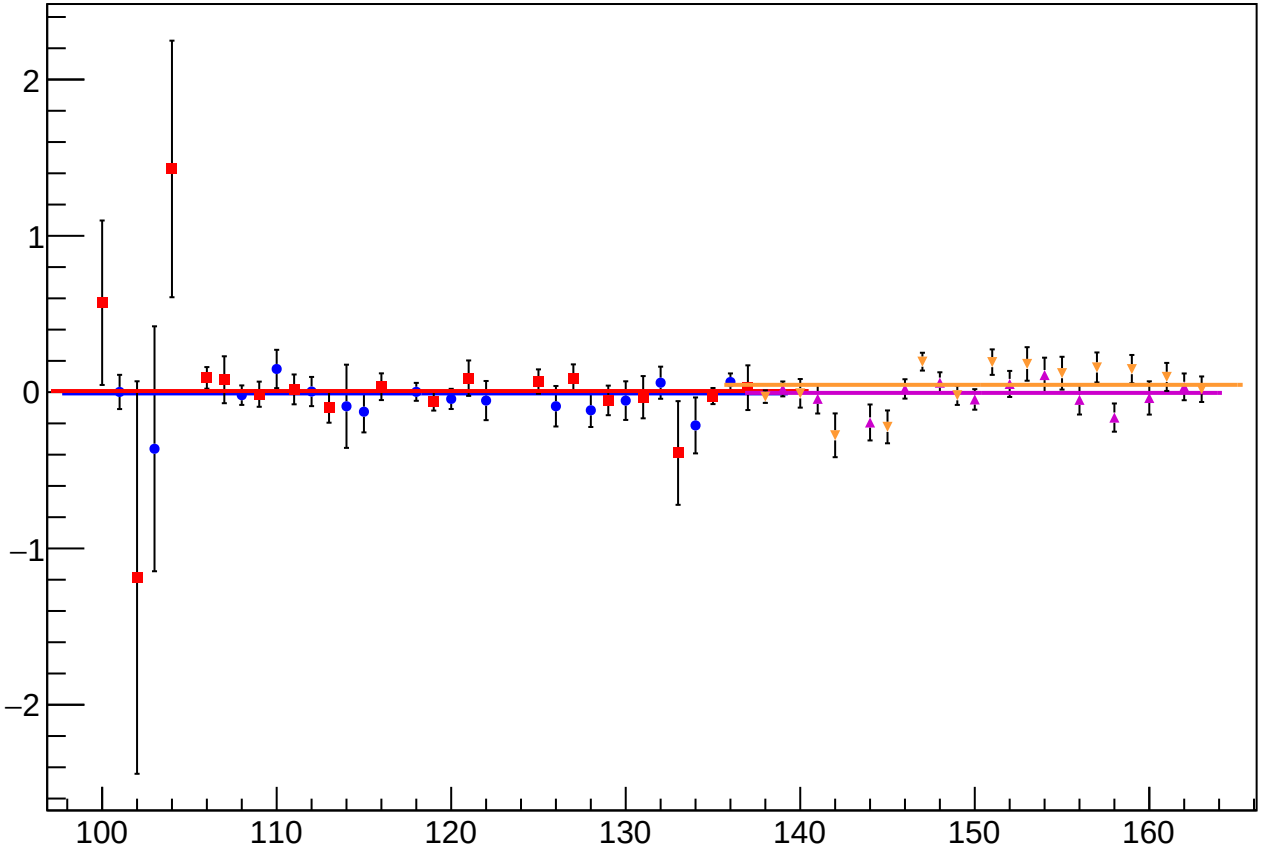
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:13397348.6/27

Out: 0.003+/-0.000 χ^2/NDF:16558814.6/30

All: 0.004+/-0.000 χ^2/NDF: 30409708.0/58

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.022 χ^2/NDF:9.8/11

Left: 0.022+/-0.015 χ^2/NDF: 44.6/24

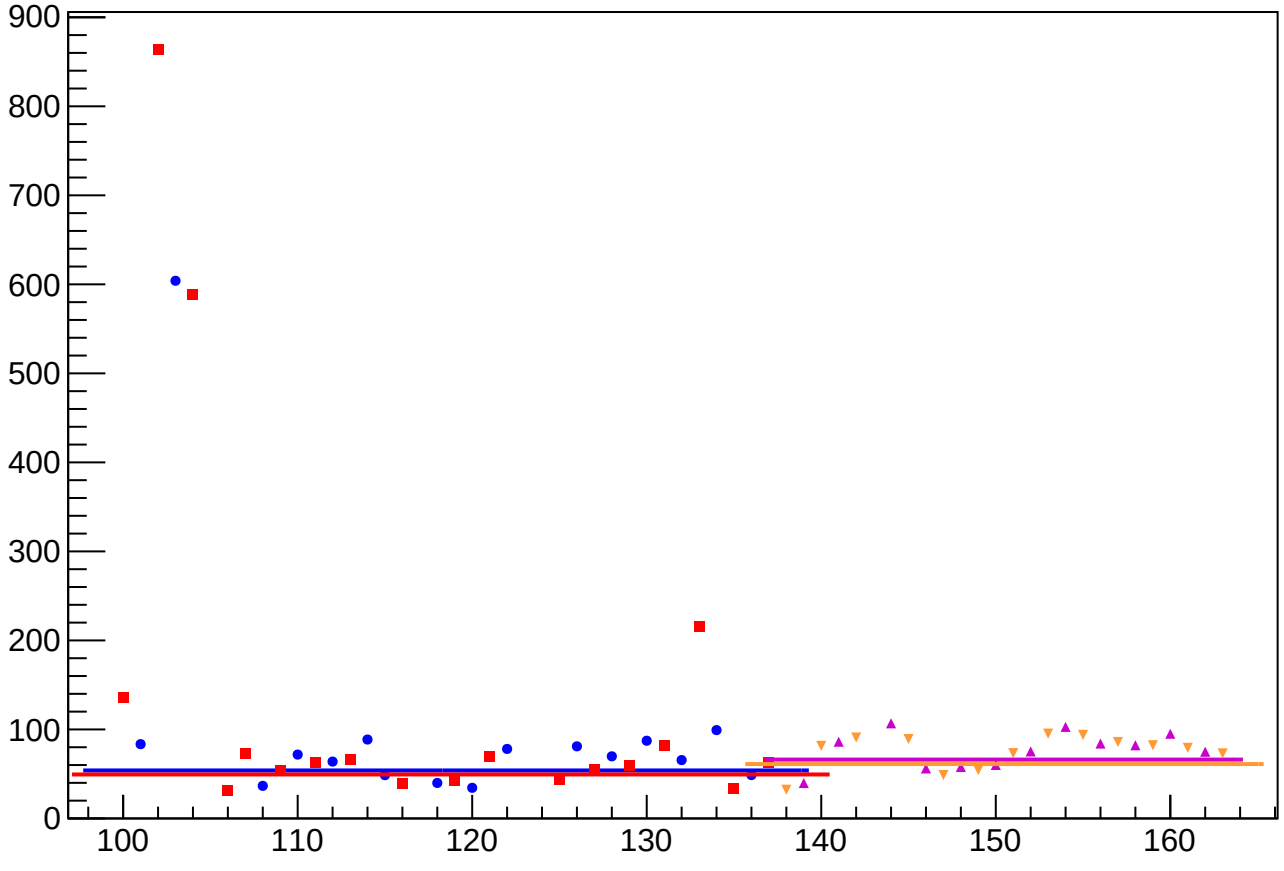
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/27

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/58

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: 61.107+/-0.015 χ^2/NDF:2303907.6/12

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 66.113+/-0.016 χ^2/NDF:1602908.2/11

Left: 63.463+/-0.011 χ^2/NDF: 3960836.9/24

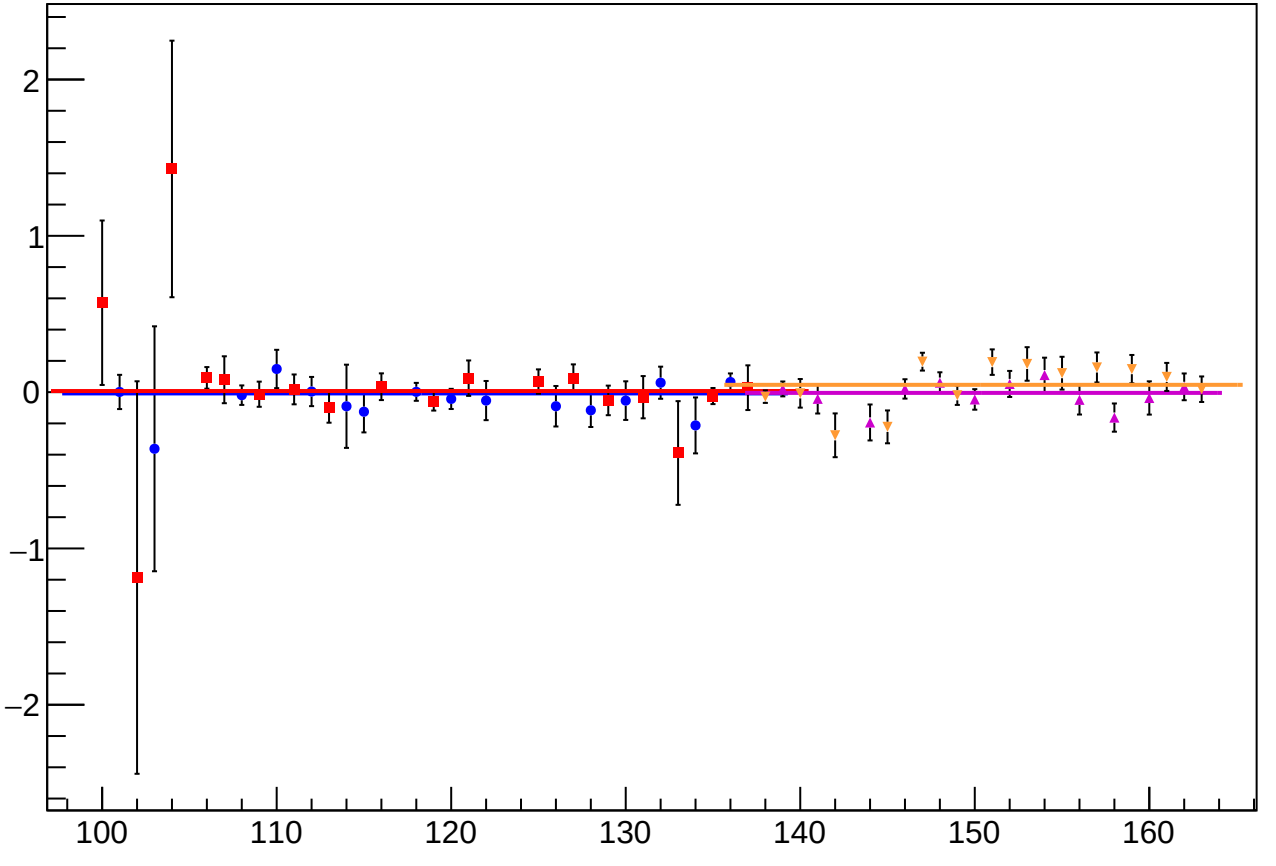
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 60.276+/-0.011 χ^2/NDF:4106419.8/27

Out: 55.623+/-0.011 χ^2/NDF:5614756.2/30

All: 57.834+/-0.008 χ^2/NDF: 9809952.6/58

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: 0.047+/-0.021 χ^2/NDF:32.0/12

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.005+/-0.022 χ^2/NDF:9.8/11

Left: 0.022+/-0.015 χ^2/NDF: 44.6/24

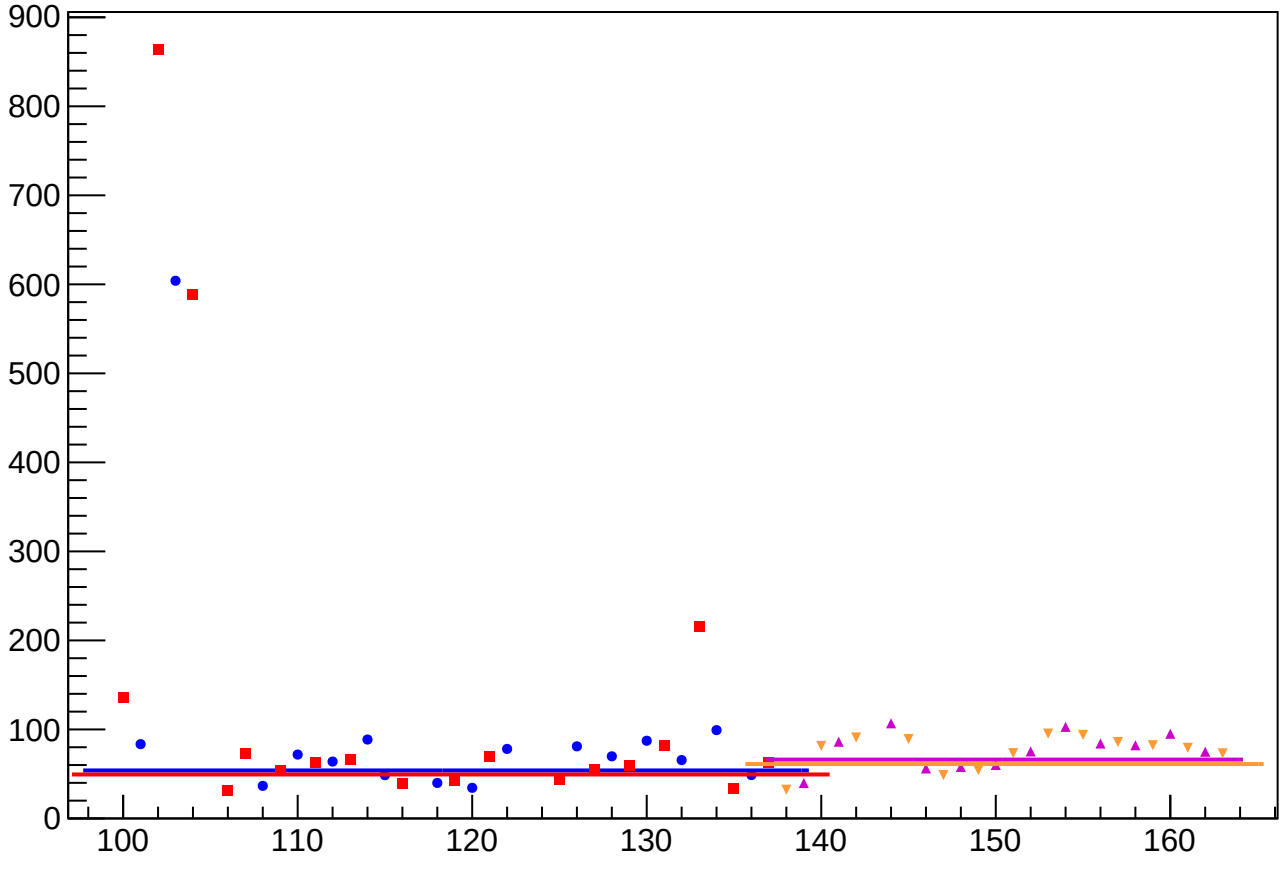
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.006+/-0.016 χ^2/NDF:18.1/27

Out: 0.028+/-0.015 χ^2/NDF:47.3/30

All: 0.012+/-0.011 χ^2/NDF: 67.9/58

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 61.107+/-0.015 χ^2/NDF:2303907.6/12

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 66.113+/-0.016 χ^2/NDF:1602908.2/11

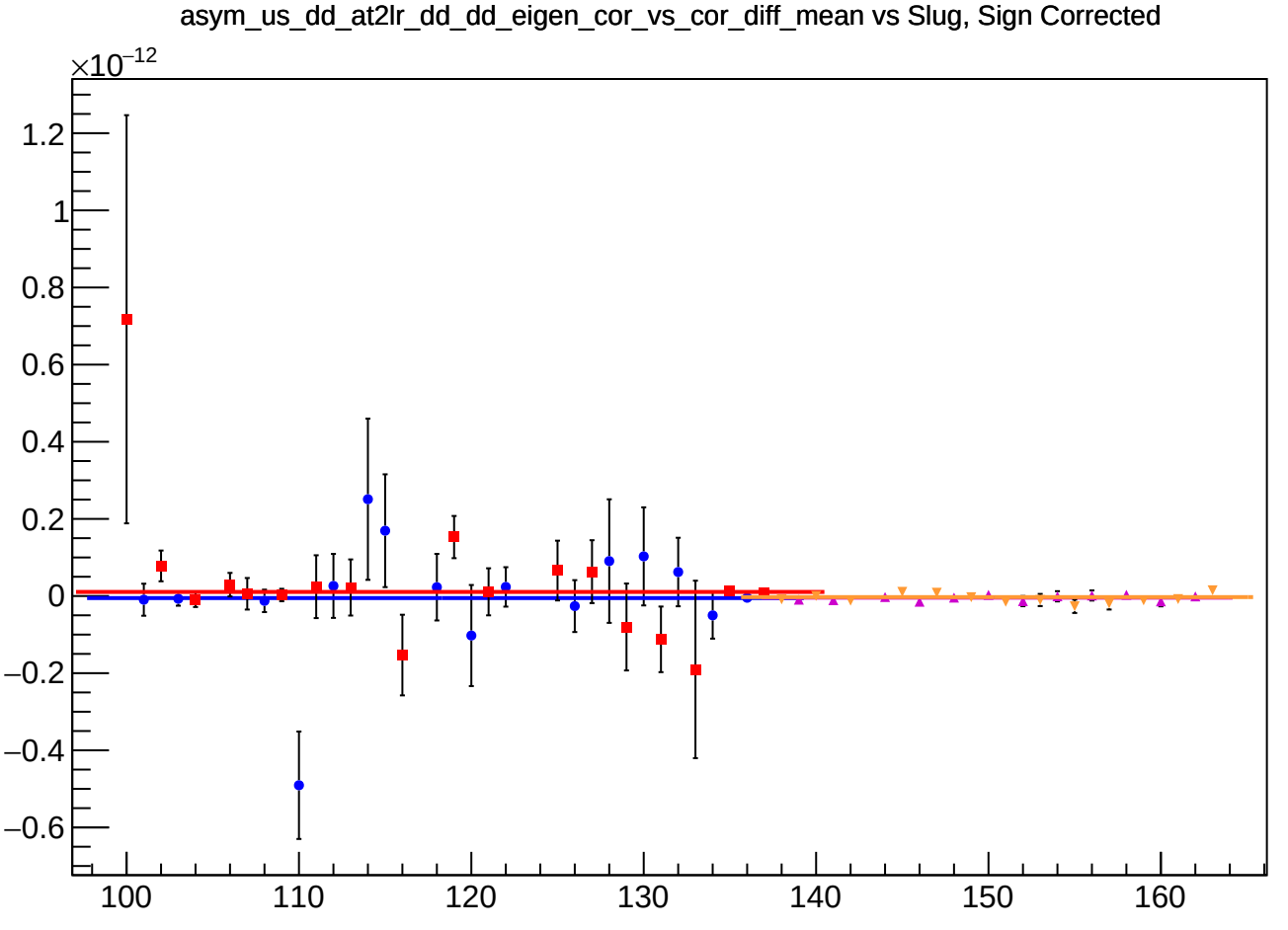
Left: 63.463+/-0.011 χ^2/NDF: 3960836.9/24

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 60.276+/-0.011 χ^2/NDF:4106419.8/27

Out: 55.623+/-0.011 χ^2/NDF:5614756.2/30

All: 57.834+/-0.008 χ^2/NDF: 9809952.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/11

Left: -0.000+/-0.000 χ^2/NDF: 20.2/24

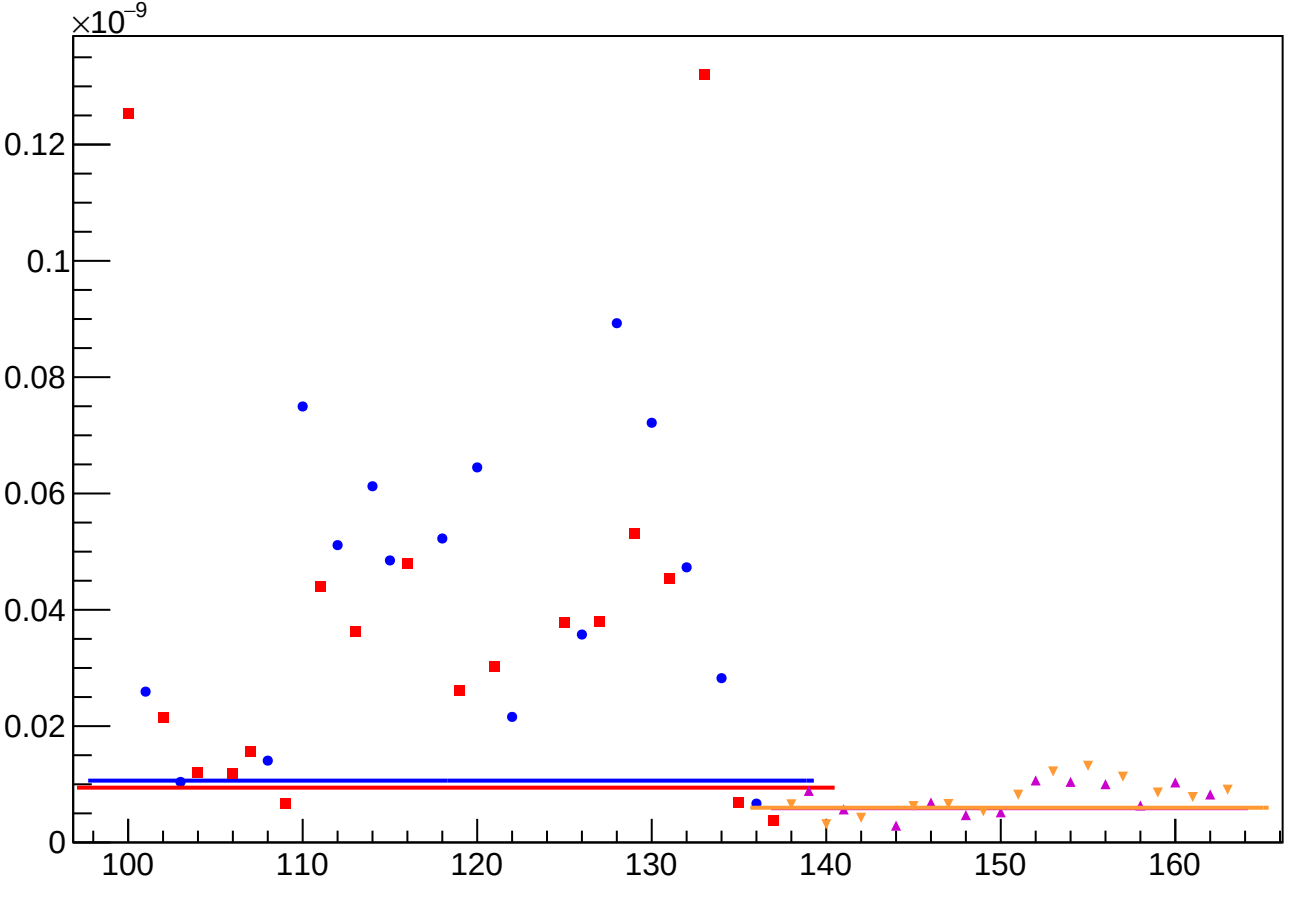
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:24.6/27

Out: -0.000+/-0.000 χ^2/NDF:38.0/30

All: -0.000+/-0.000 χ^2/NDF: 63.5/58

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2194954.7/12

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2016232.9/11

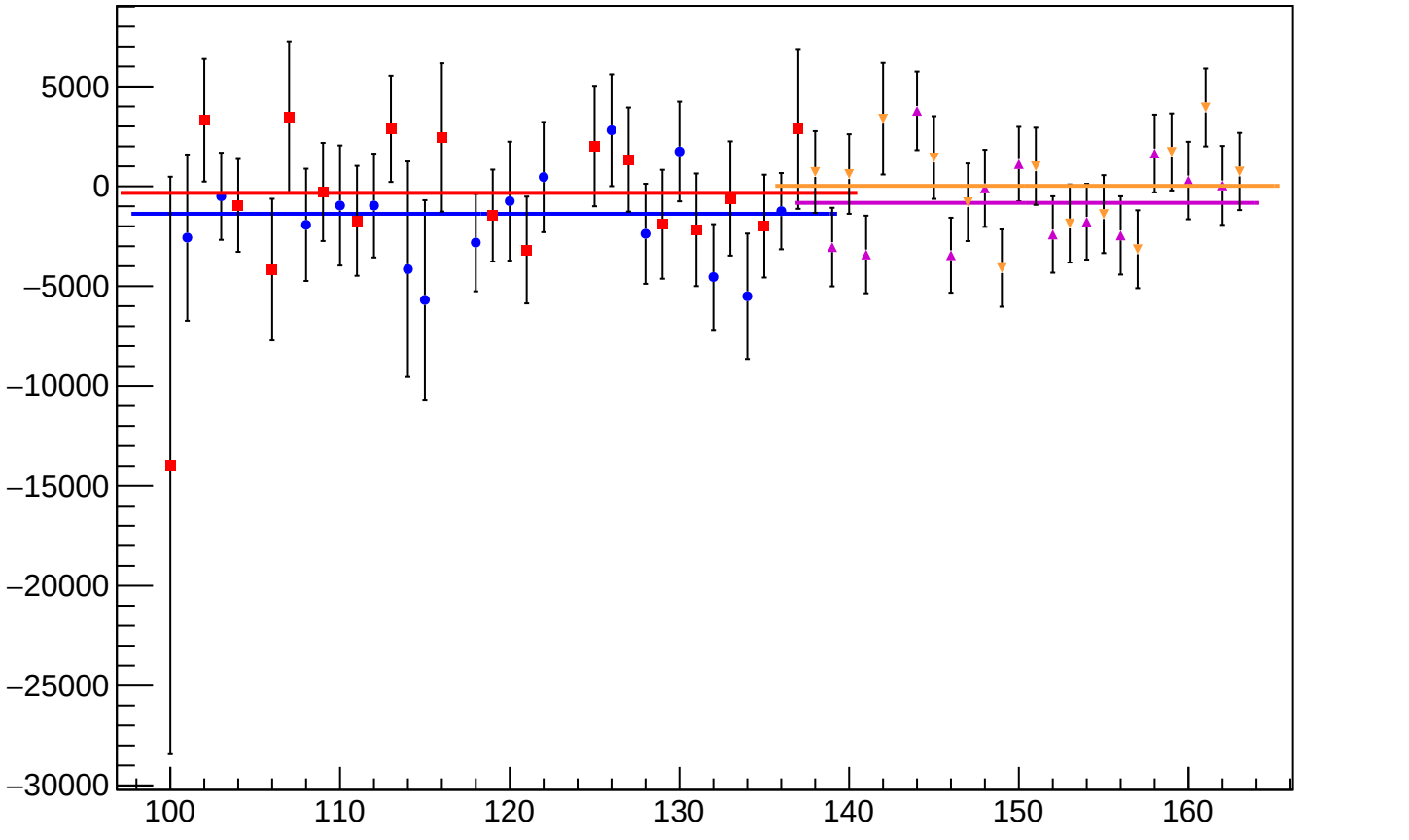
Left: 0.000+/-0.000 χ^2/NDF: 4212401.1/24

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:7427056.2/27

Out: 0.000+/-0.000 χ^2/NDF:6723257.0/30

All: 0.000+/-0.000 χ^2/NDF: 14150338.9/58



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: 23.424+/-555.624 χ^2/NDF:16.2/12

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -828.981+/-557.452 χ^2/NDF:15.5/11

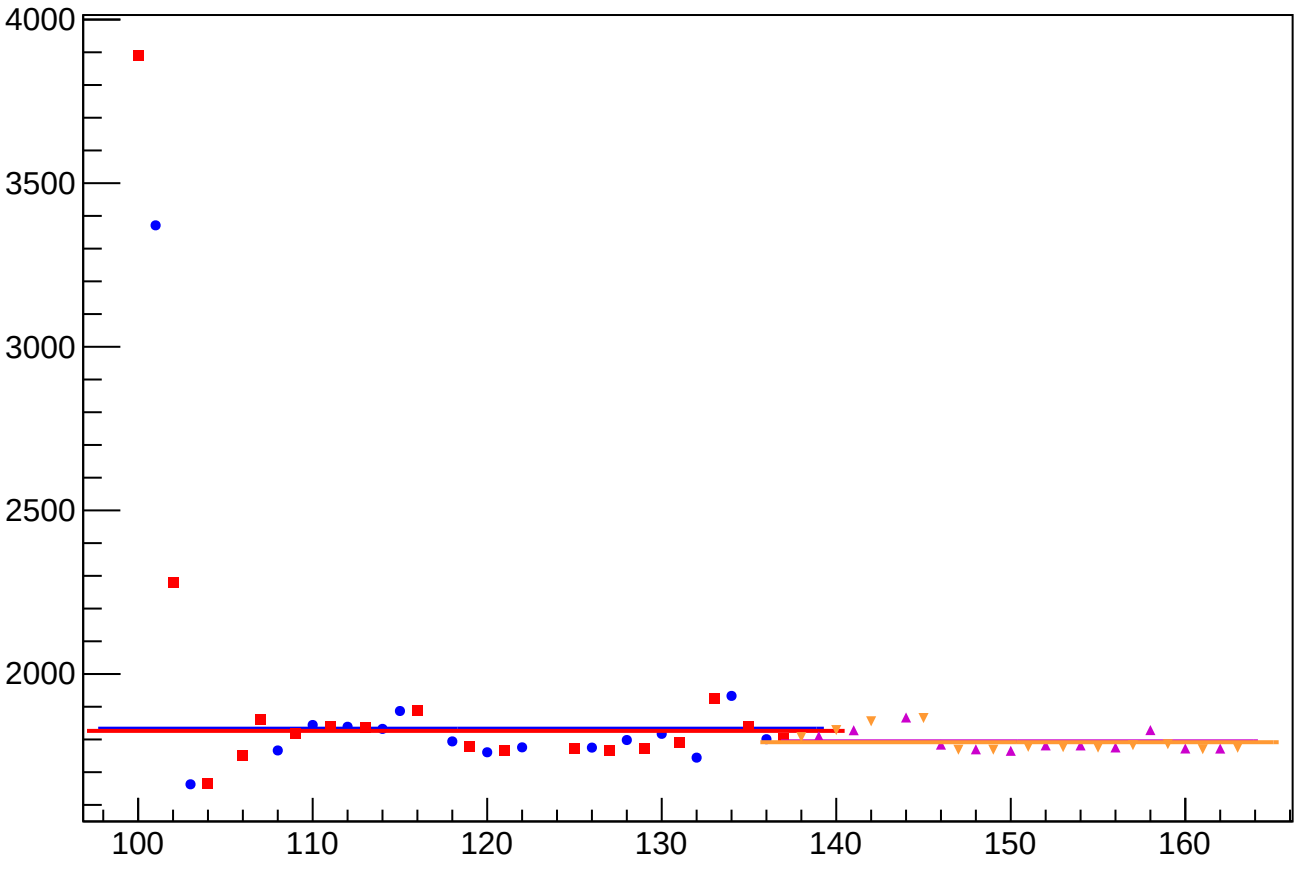
Left: -401.379+/-393.530 χ^2/NDF: 32.8/24

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1046.475+/-433.379 χ^2/NDF:25.1/27

Out: -116.614+/-431.239 χ^2/NDF:27.4/30

All: -579.242+/-305.686 χ^2/NDF: 54.8/58



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1794.345+/-0.394 χ^2/NDF:5813.1/11

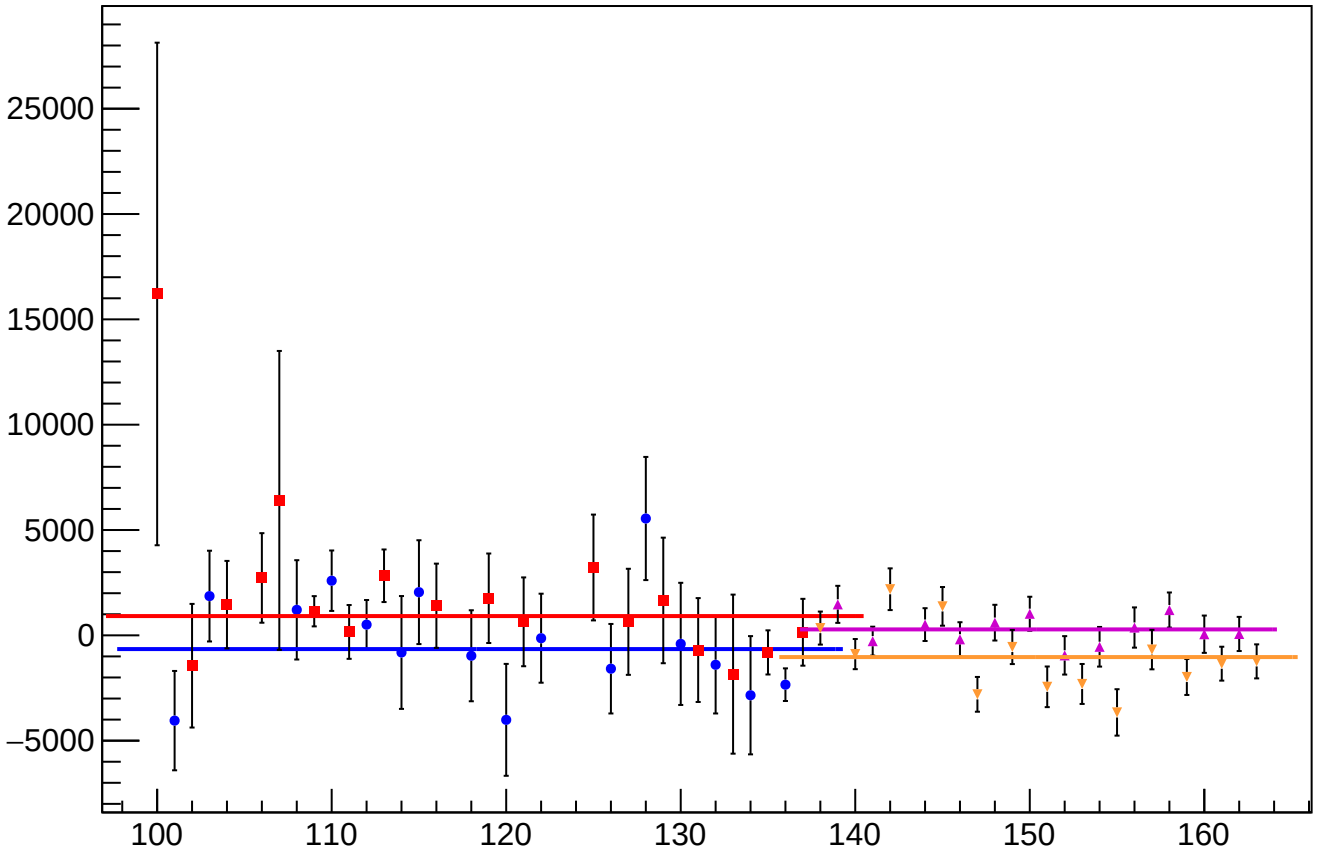
Left: 1792.961+/-0.278 χ^2/NDF: 11620.2/24

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1809.616+/-0.306 χ^2/NDF:305046.3/27

Out: 1805.352+/-0.305 χ^2/NDF:111876.8/30

All: 1807.474+/-0.216 χ^2/NDF: 417020.4/58



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -1031.638+/-239.901 χ^2/NDF:36.7/12

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 281.644+/-241.262 χ^2/NDF:7.9/11

Left: -378.712+/-170.115 χ^2/NDF: 59.5/24

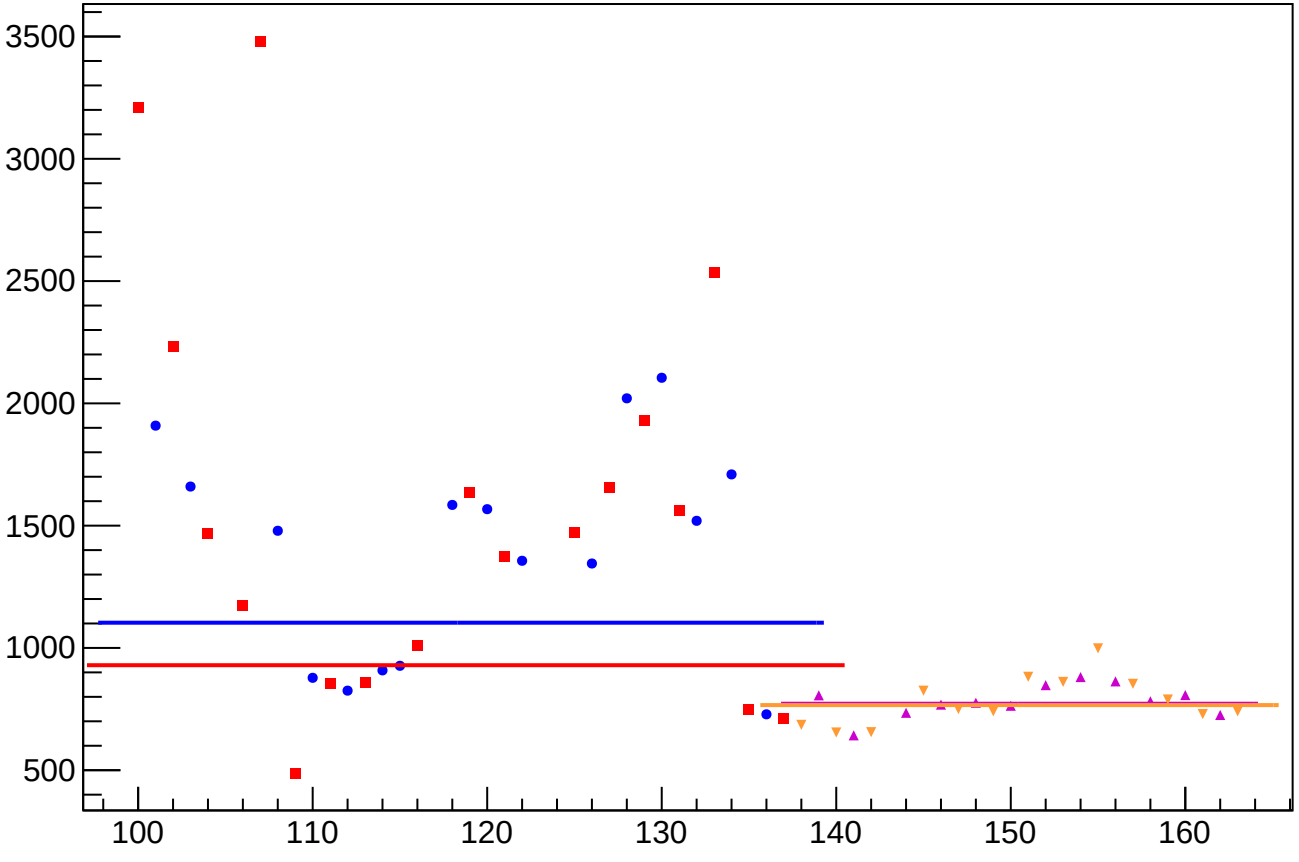
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 67.439+/-211.783 χ^2/NDF:34.5/27

Out: -504.080+/-204.824 χ^2/NDF:66.1/30

All: -227.865+/-147.231 χ^2/NDF: 104.4/58

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 766.267+/-0.170 χ^2/NDF:268579.4/12

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 771.884+/-0.171 χ^2/NDF:147856.5/11

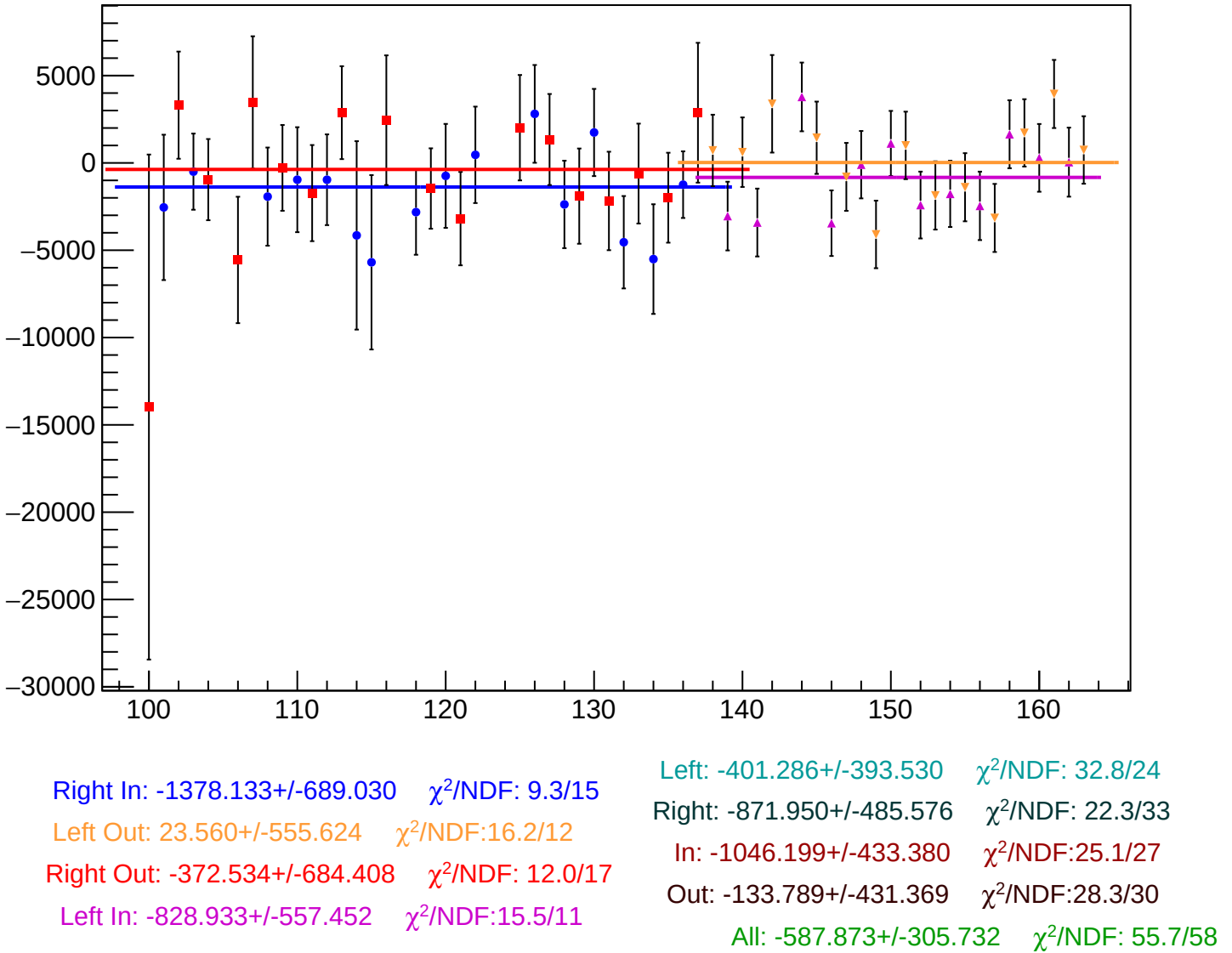
Left: 769.060+/-0.120 χ^2/NDF: 416980.8/24

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 847.898+/-0.150 χ^2/NDF:2891334.3/27

Out: 810.473+/-0.145 χ^2/NDF:3573203.1/30

All: 828.560+/-0.104 χ^2/NDF: 6496808.7/58


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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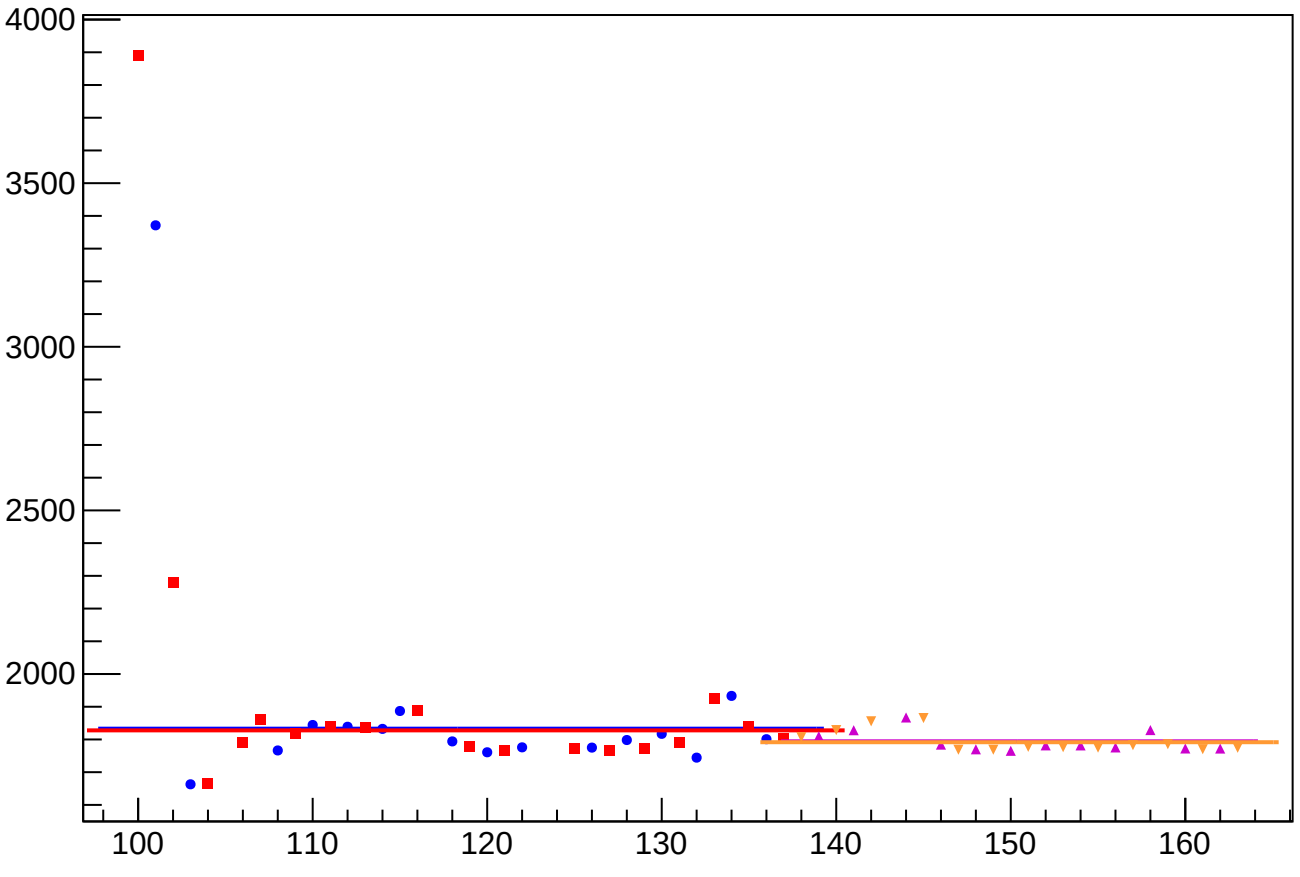
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 23.560+/-555.624 χ²/NDF:16.2/12
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -828.933+/-557.452 χ²/NDF:15.5/11
Left: -401.286+/-393.530 χ²/NDF: 32.8/24
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1046.199+/-433.380 χ²/NDF:25.1/27
Out: -133.789+/-431.369 χ²/NDF:28.3/30
All: -587.873+/-305.732 χ²/NDF: 55.7/58



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1794.345+/-0.394 χ^2/NDF:5813.1/11

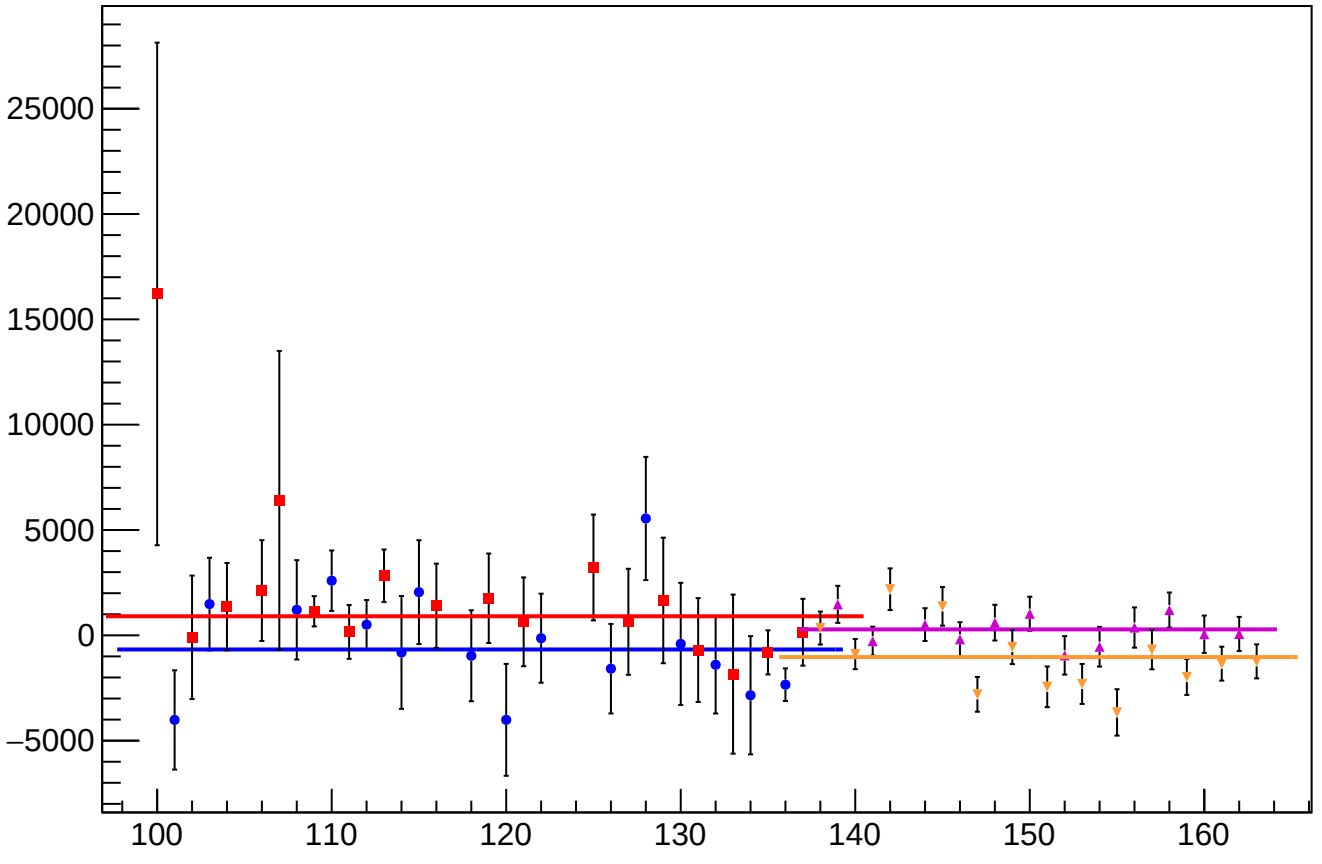
Left: 1792.961+/-0.278 χ^2/NDF: 11620.2/24

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1809.616+/-0.306 χ^2/NDF:305048.2/27

Out: 1805.966+/-0.305 χ^2/NDF:111425.1/30

All: 1807.783+/-0.216 χ^2/NDF: 416544.6/58



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -1031.581+/-239.903 χ^2/NDF:36.7/12

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 281.515+/-241.263 χ^2/NDF:7.9/11

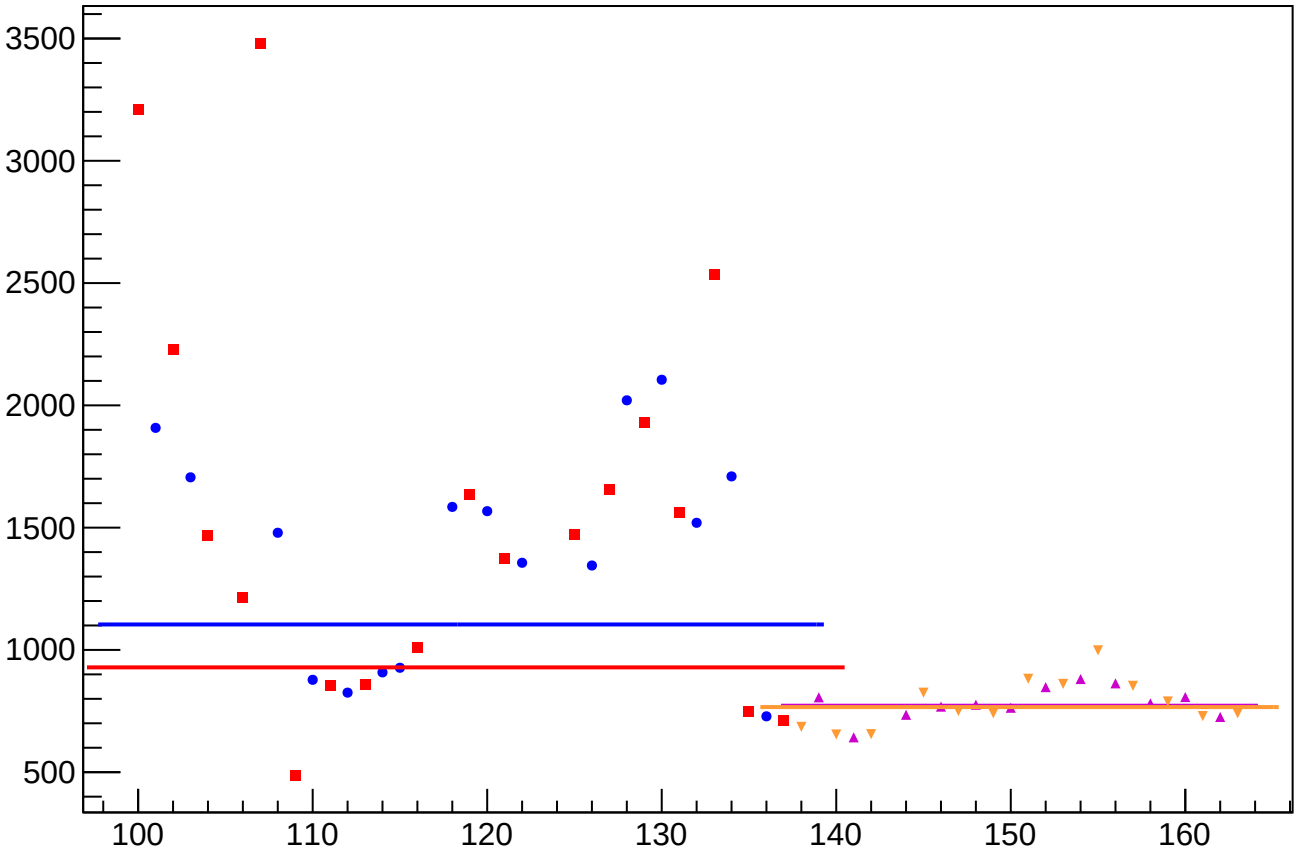
Left: -378.744+/-170.116 χ^2/NDF: 59.5/24

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.354+/-211.825 χ^2/NDF:34.2/27

Out: -509.132+/-205.021 χ^2/NDF:64.8/30

All: -232.230+/-147.318 χ^2/NDF: 102.8/58



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 771.886+/-0.171 χ^2/NDF:147909.2/11

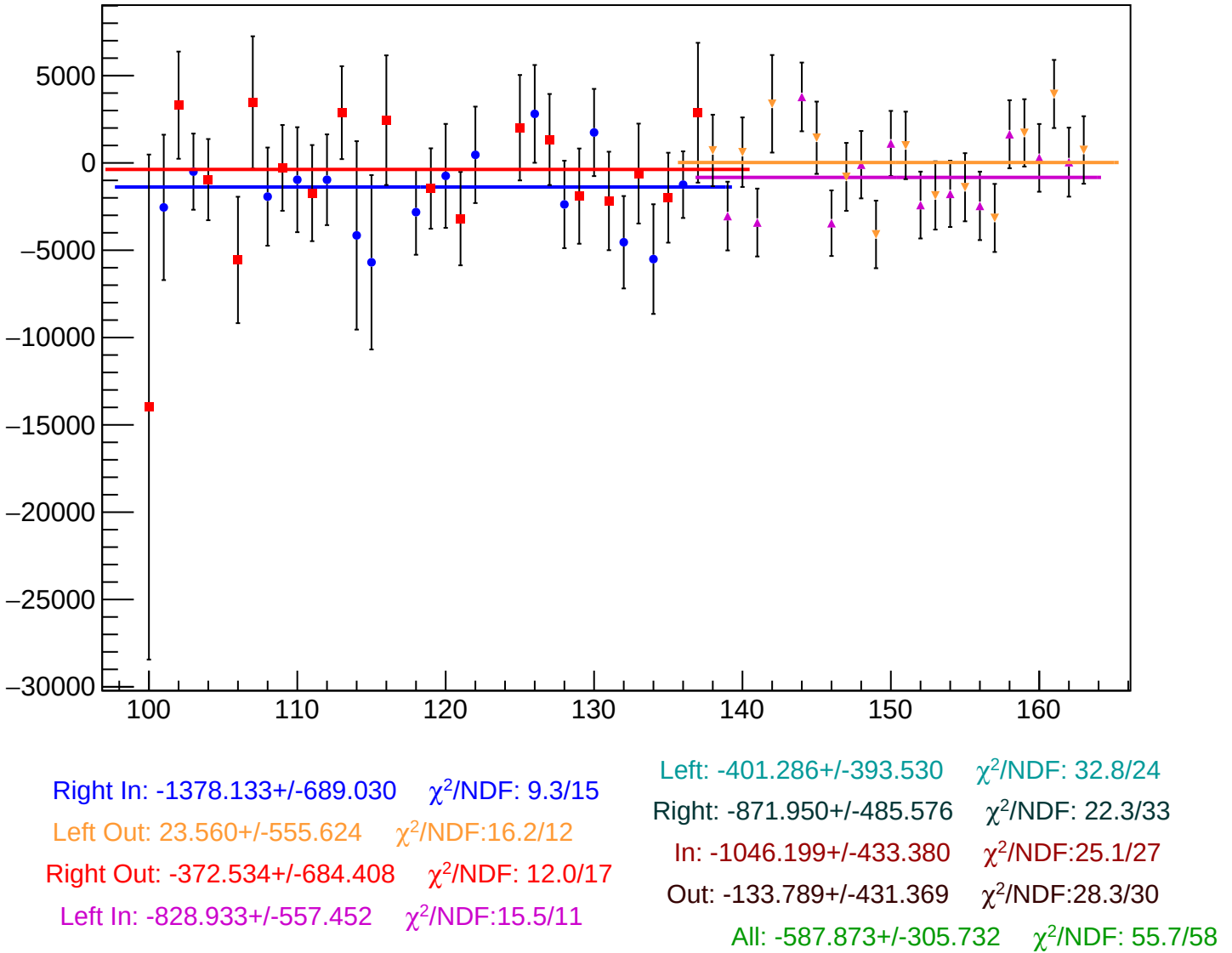
Left: 769.064+/-0.120 χ^2/NDF: 416999.7/24

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 848.012+/-0.150 χ^2/NDF:2911368.3/27

Out: 810.054+/-0.145 χ^2/NDF:3569931.7/30

All: 828.414+/-0.104 χ^2/NDF: 6514459.7/58


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
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−15000
−20000
−25000
−30000
100
110
120
130
140
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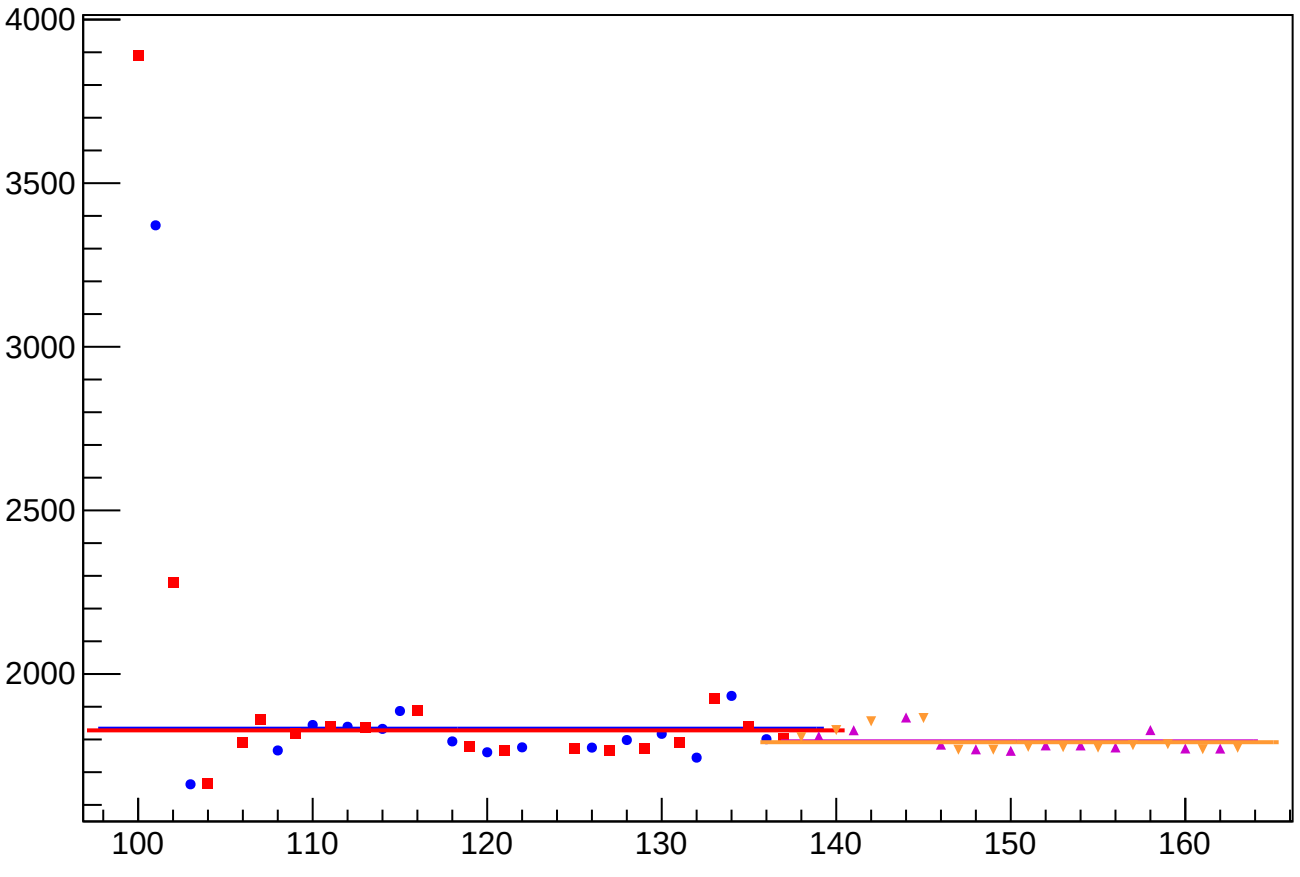
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: 23.560+/-555.624 χ²/NDF:16.2/12
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -828.933+/-557.452 χ²/NDF:15.5/11
Left: -401.286+/-393.530 χ²/NDF: 32.8/24
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -1046.199+/-433.380 χ²/NDF:25.1/27
Out: -133.789+/-431.369 χ²/NDF:28.3/30
All: -587.873+/-305.732 χ²/NDF: 55.7/58



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1791.586+/-0.393 χ^2/NDF:5782.5/12

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1794.345+/-0.394 χ^2/NDF:5813.1/11

Left: 1792.961+/-0.278 χ^2/NDF: 11620.2/24

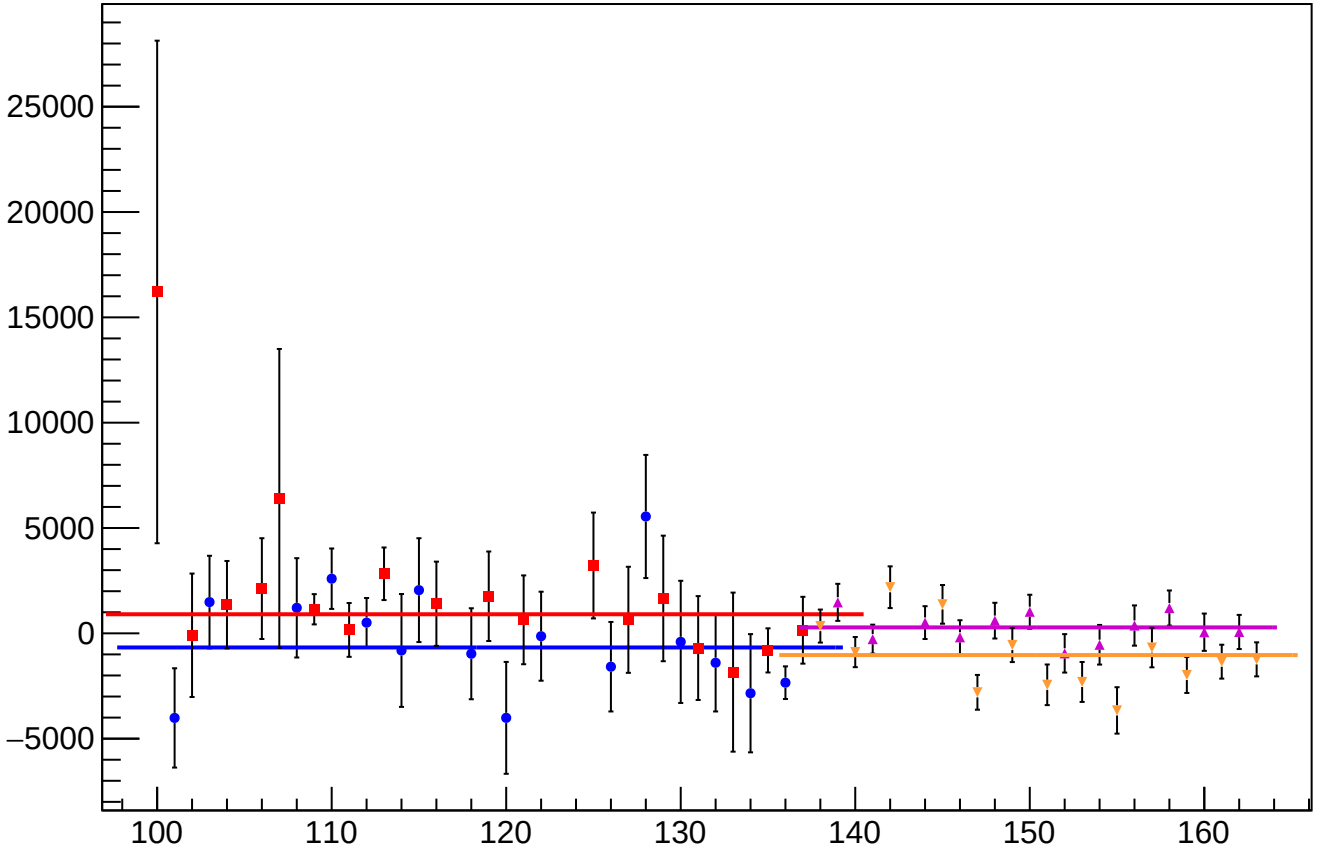
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1809.616+/-0.306 χ^2/NDF:305048.2/27

Out: 1805.966+/-0.305 χ^2/NDF:111425.1/30

All: 1807.783+/-0.216 χ^2/NDF: 416544.6/58

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: -1031.581+/-239.903 χ^2/NDF:36.7/12

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 281.515+/-241.263 χ^2/NDF:7.9/11

Left: -378.744+/-170.116 χ^2/NDF: 59.5/24

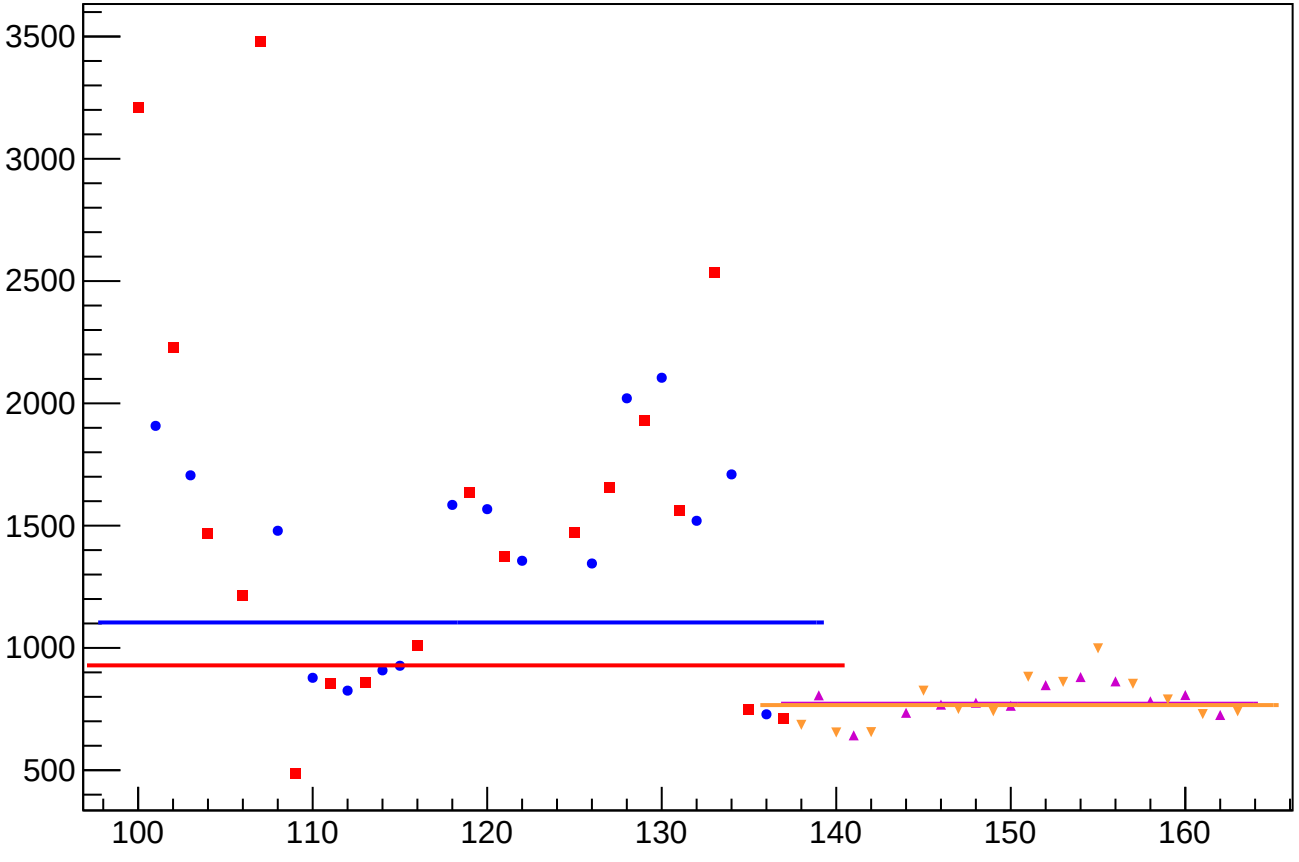
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.354+/-211.825 χ^2/NDF:34.2/27

Out: -509.132+/-205.021 χ^2/NDF:64.8/30

All: -232.230+/-147.318 χ^2/NDF: 102.8/58

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: 766.274+/-0.170 χ^2/NDF:268546.4/12

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 771.886+/-0.171 χ^2/NDF:147909.2/11

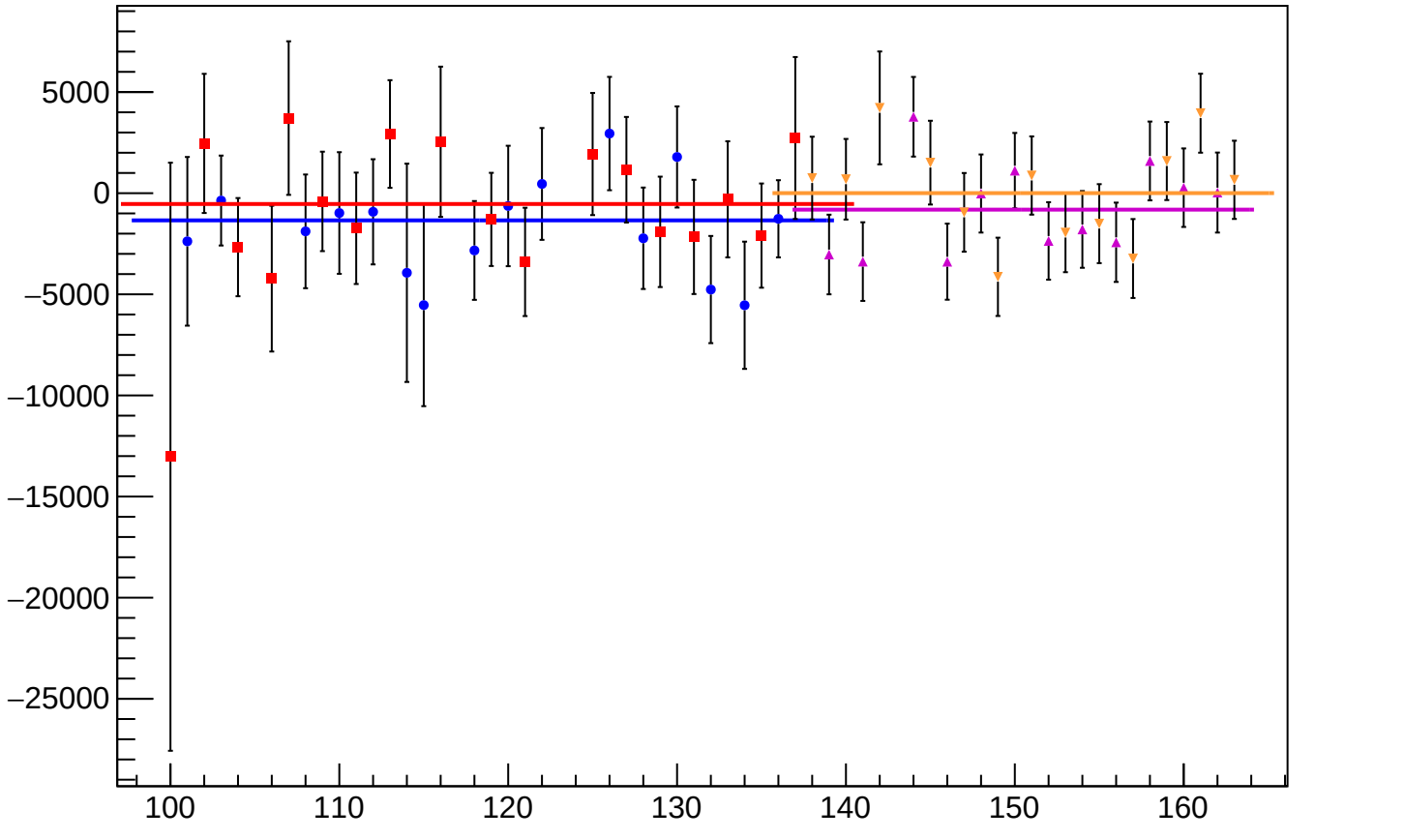
Left: 769.064+/-0.120 χ^2/NDF: 416999.7/24

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 848.012+/-0.150 χ^2/NDF:2911368.3/27

Out: 810.054+/-0.145 χ^2/NDF:3569931.7/30

All: 828.414+/-0.104 χ^2/NDF: 6514459.7/58



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: 4.163+/-555.979 χ^2/NDF:17.3/12

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -813.376+/-557.833 χ^2/NDF:15.2/11

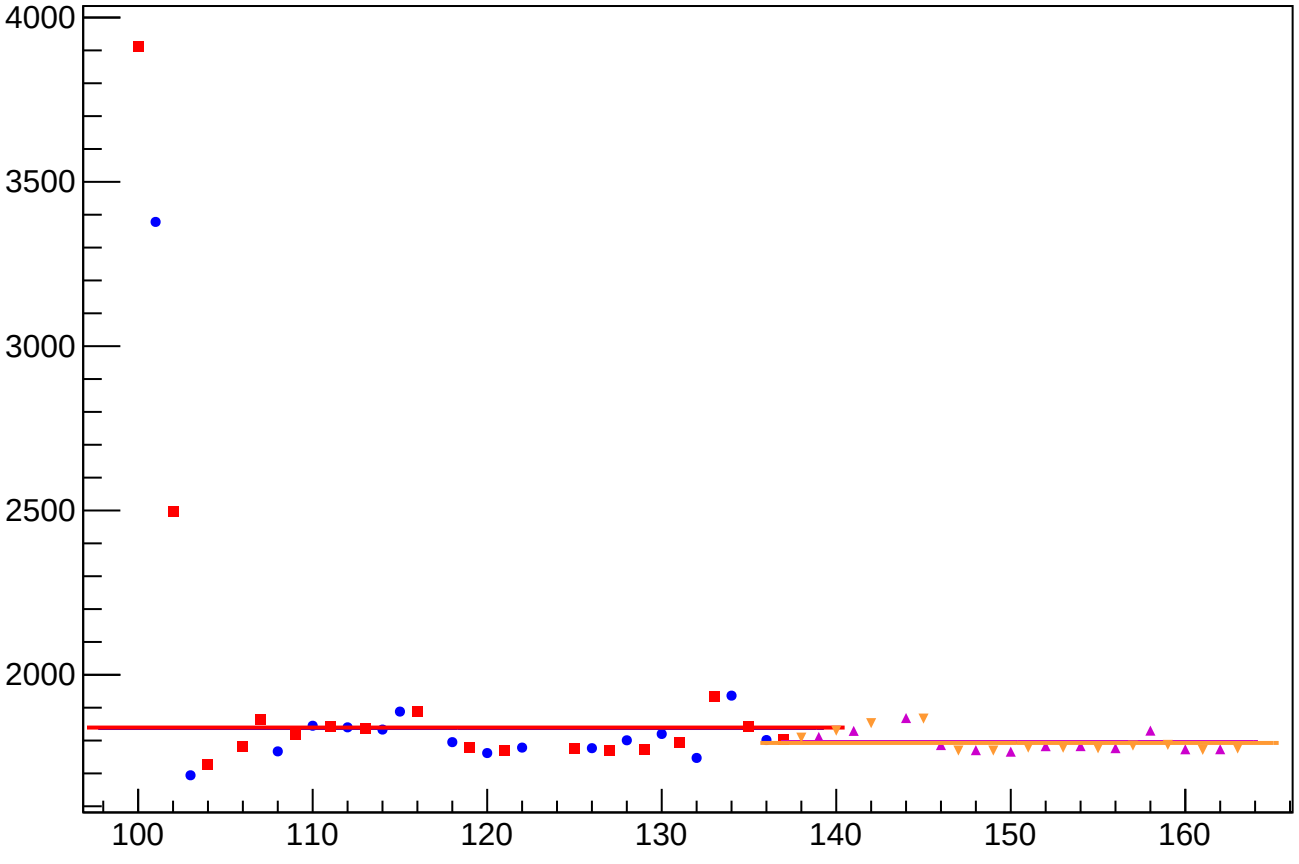
Left: -403.246+/-393.790 χ^2/NDF: 33.6/24

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1022.745+/-434.033 χ^2/NDF:25.2/27

Out: -207.409+/-433.165 χ^2/NDF:28.8/30

All: -614.262+/-306.600 χ^2/NDF: 55.7/58



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.720+/-0.393 χ^2/NDF:5687.2/12

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1795.568+/-0.394 χ^2/NDF:5846.1/11

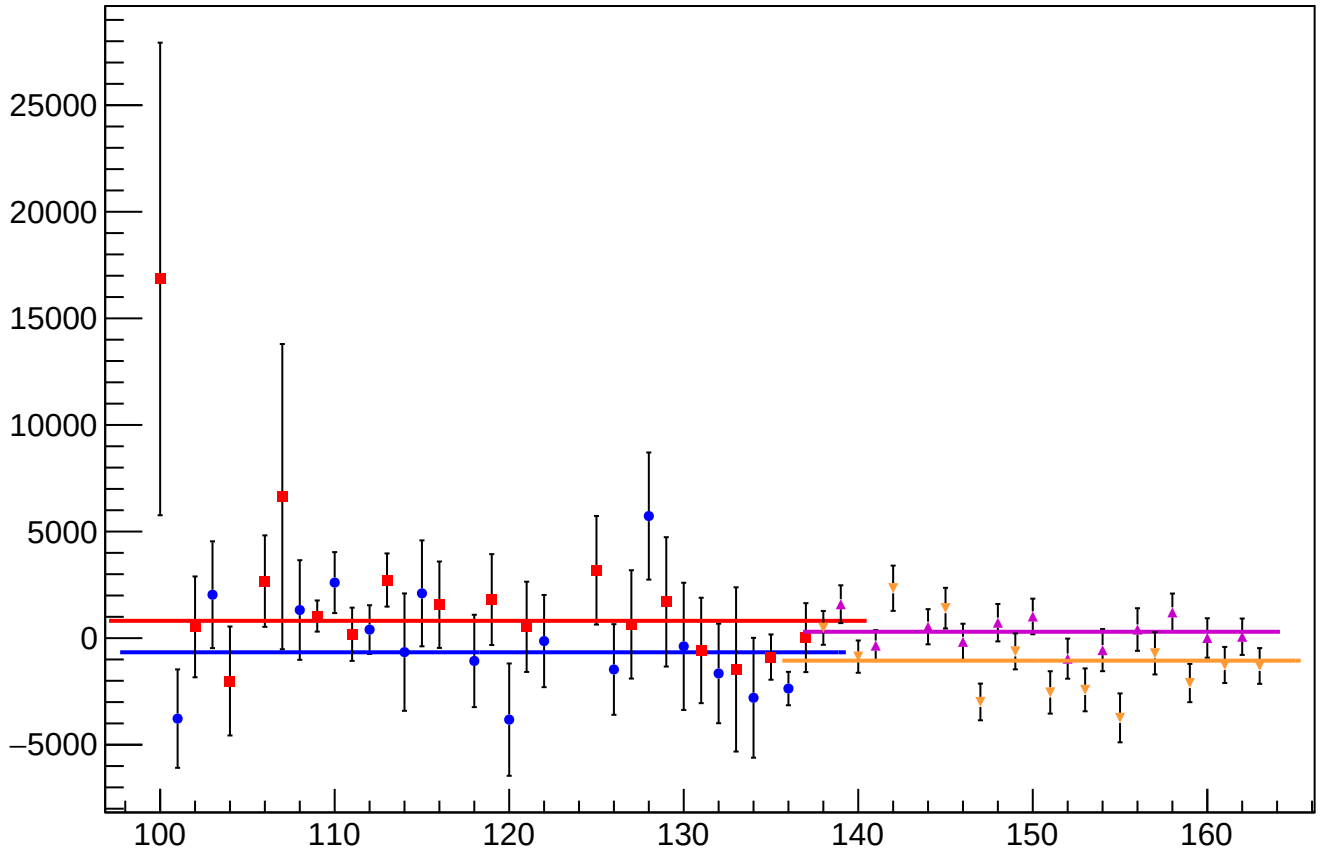
Left: 1794.139+/-0.278 χ^2/NDF: 11559.4/24

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1812.374+/-0.307 χ^2/NDF:302431.0/27

Out: 1811.111+/-0.306 χ^2/NDF:139509.4/30

All: 1811.741+/-0.217 χ^2/NDF: 441948.9/58



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -1055.695+/-250.642 χ^2/NDF:37.3/12

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 299.215+/-252.126 χ^2/NDF:8.1/11

Left: -382.240+/-177.753 χ^2/NDF: 59.9/24

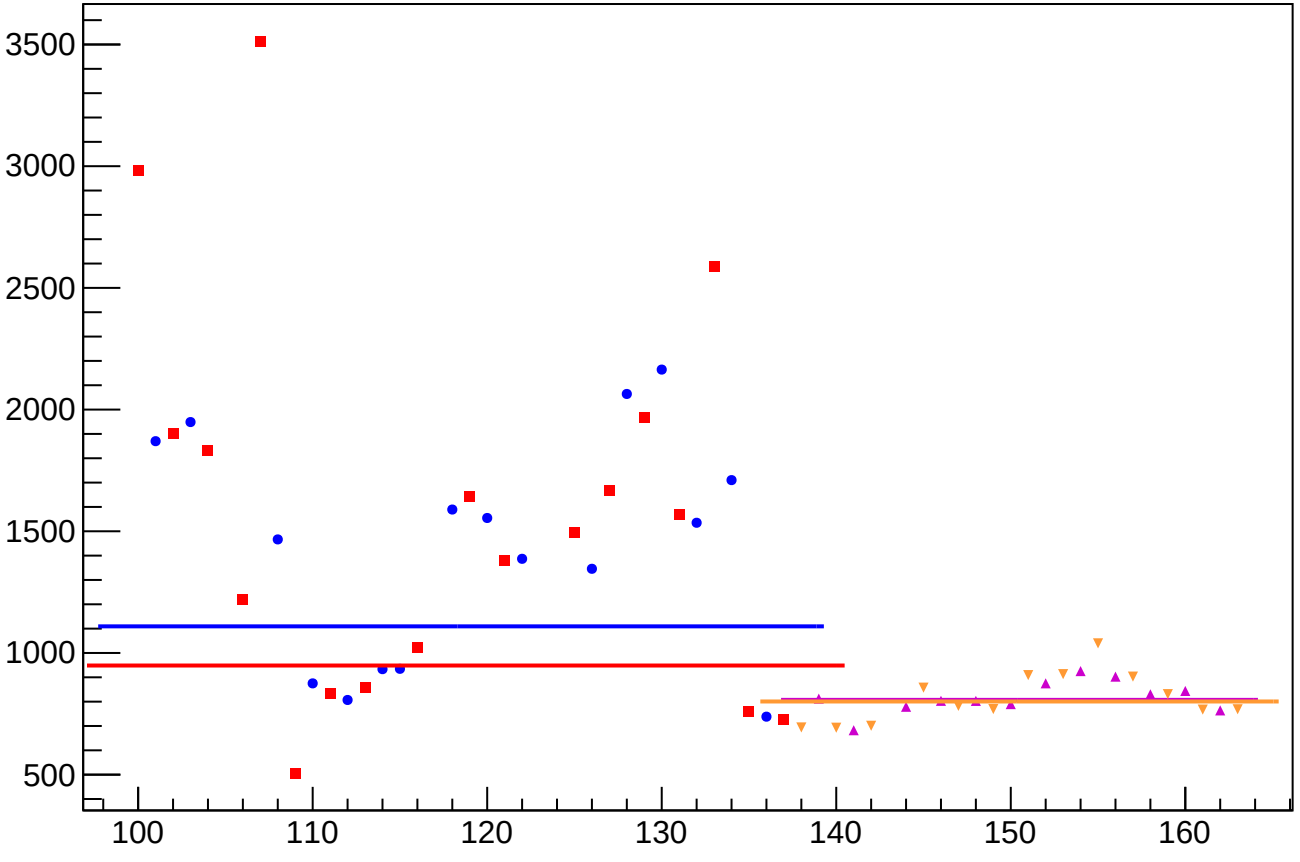
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 65.993+/-219.472 χ^2/NDF:34.4/27

Out: -523.719+/-211.966 χ^2/NDF:65.4/30

All: -239.119+/-152.467 χ^2/NDF: 103.5/58

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 800.690+/-0.177 χ^2/NDF:270045.2/12

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 807.302+/-0.178 χ^2/NDF:129018.0/11

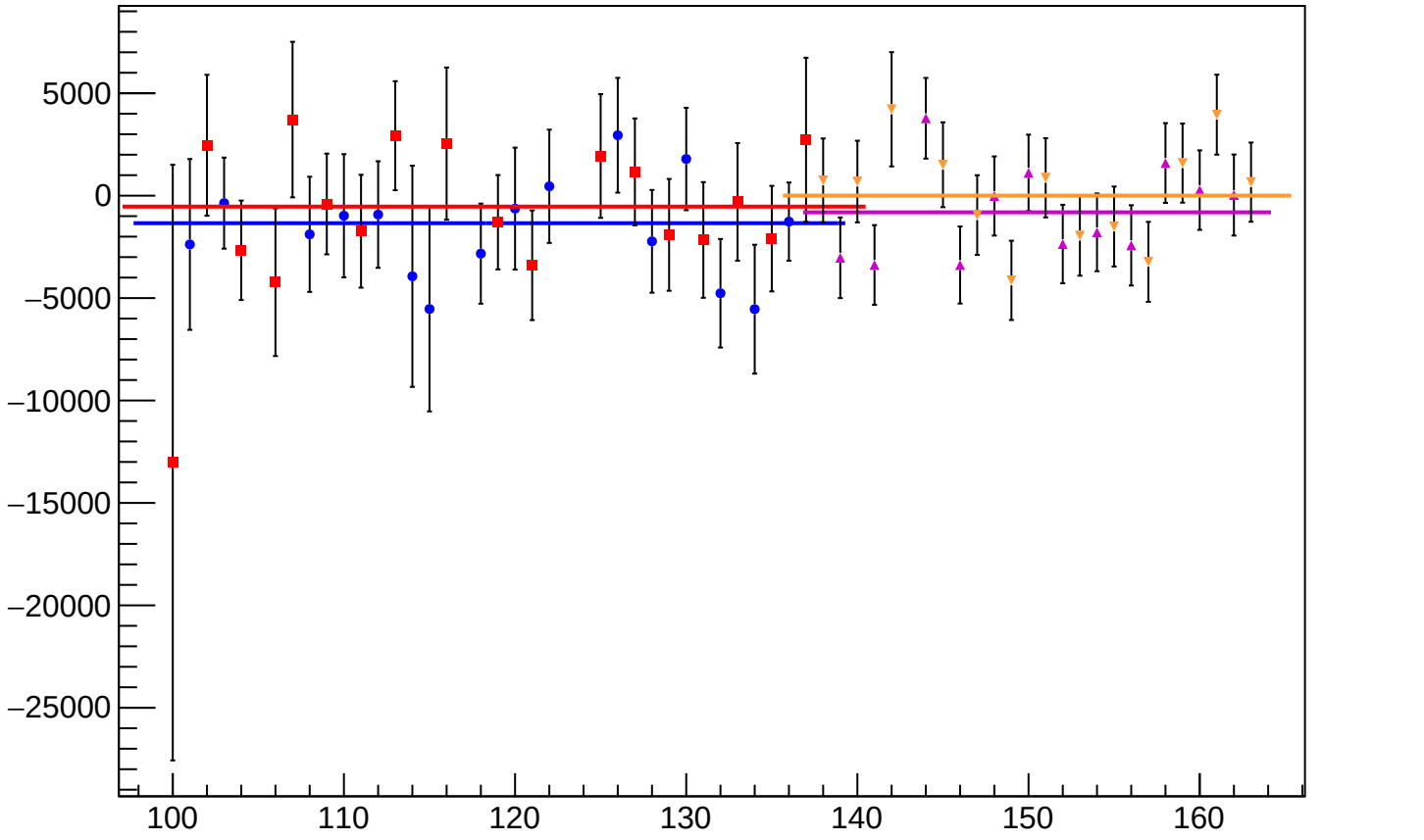
Left: 803.976+/-0.126 χ^2/NDF: 399754.9/24

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 880.478+/-0.155 χ^2/NDF:2797818.5/27

Out: 842.769+/-0.150 χ^2/NDF:3521644.6/30

All: 860.968+/-0.108 χ^2/NDF: 6350010.2/58



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: 4.166+/-555.979 χ^2/NDF:17.3/12

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -813.375+/-557.833 χ^2/NDF:15.2/11

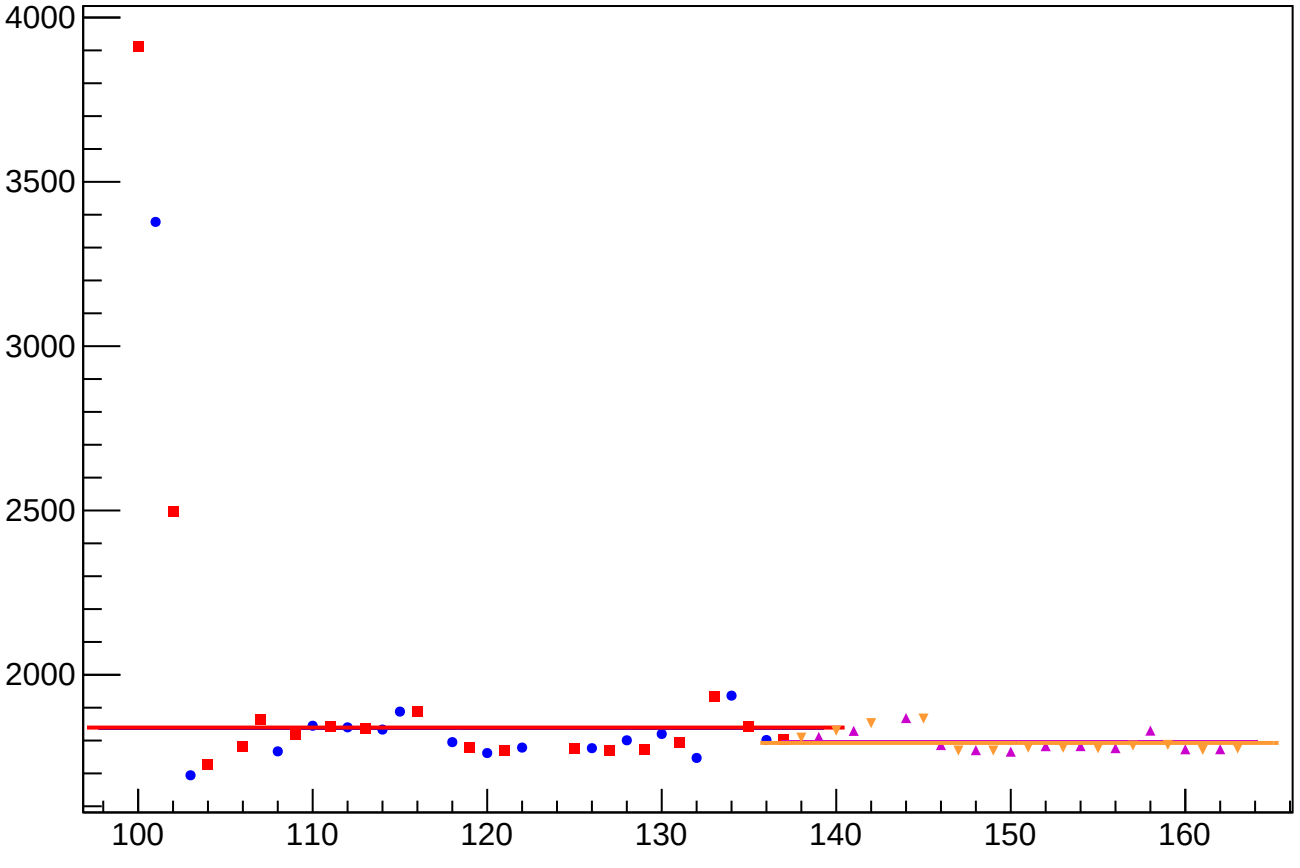
Left: -403.244+/-393.790 χ^2/NDF: 33.6/24

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -1022.745+/-434.033 χ^2/NDF:25.2/27

Out: -207.410+/-433.165 χ^2/NDF:28.8/30

All: -614.262+/-306.600 χ^2/NDF: 55.7/58



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1792.720+/-0.393 χ^2/NDF:5687.2/12

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1795.567+/-0.394 χ^2/NDF:5846.1/11

Left: 1794.139+/-0.278 χ^2/NDF: 11559.5/24

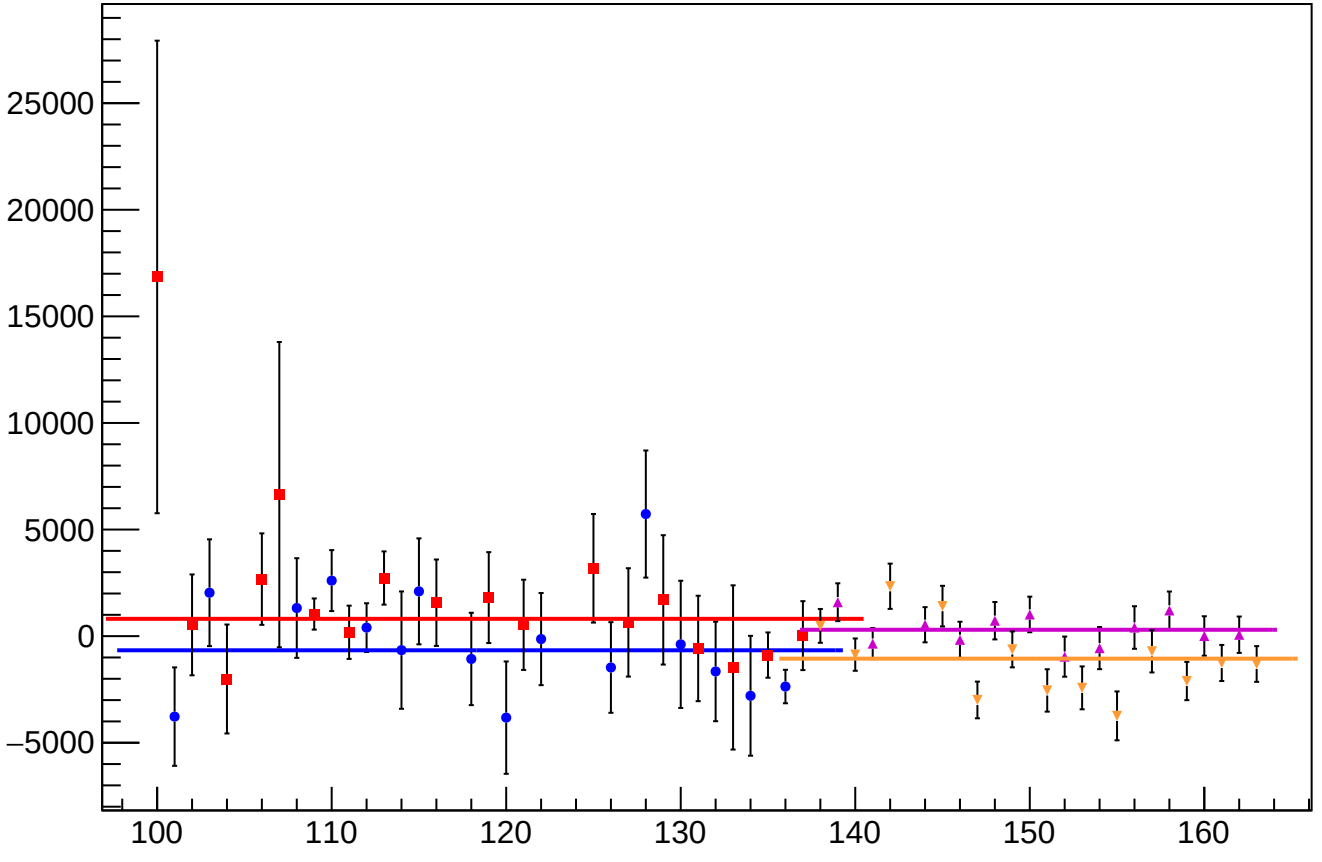
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1812.374+/-0.307 χ^2/NDF:302431.0/27

Out: 1811.111+/-0.306 χ^2/NDF:139509.5/30

All: 1811.741+/-0.217 χ^2/NDF: 441948.9/58

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: -1055.702+/-250.642 χ^2/NDF:37.3/12

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 299.213+/-252.126 χ^2/NDF:8.1/11

Left: -382.244+/-177.753 χ^2/NDF: 59.9/24

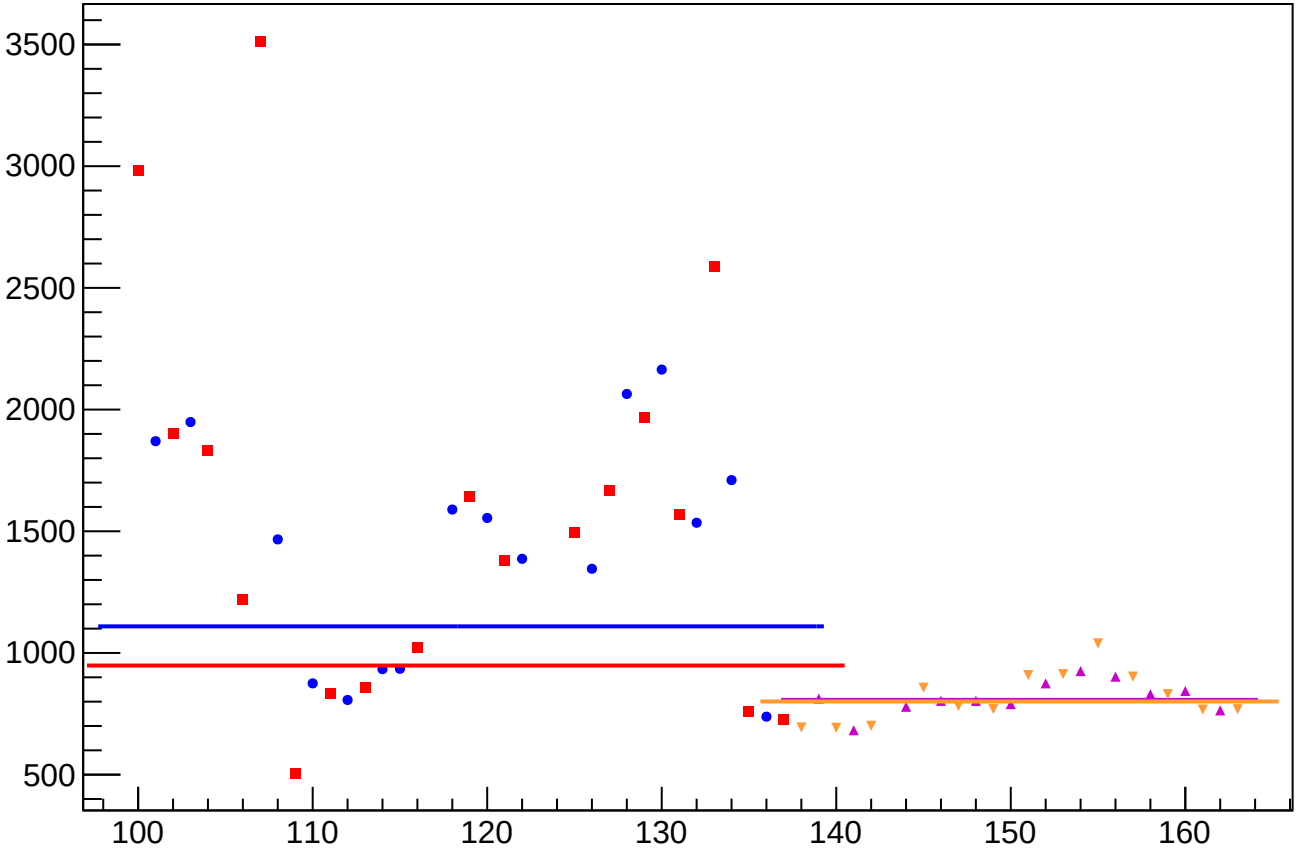
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 65.995+/-219.472 χ^2/NDF:34.4/27

Out: -523.721+/-211.966 χ^2/NDF:65.3/30

All: -239.119+/-152.467 χ^2/NDF: 103.5/58

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 800.692+/-0.177 χ^2/NDF:270032.3/12

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 807.303+/-0.178 χ^2/NDF:129019.2/11

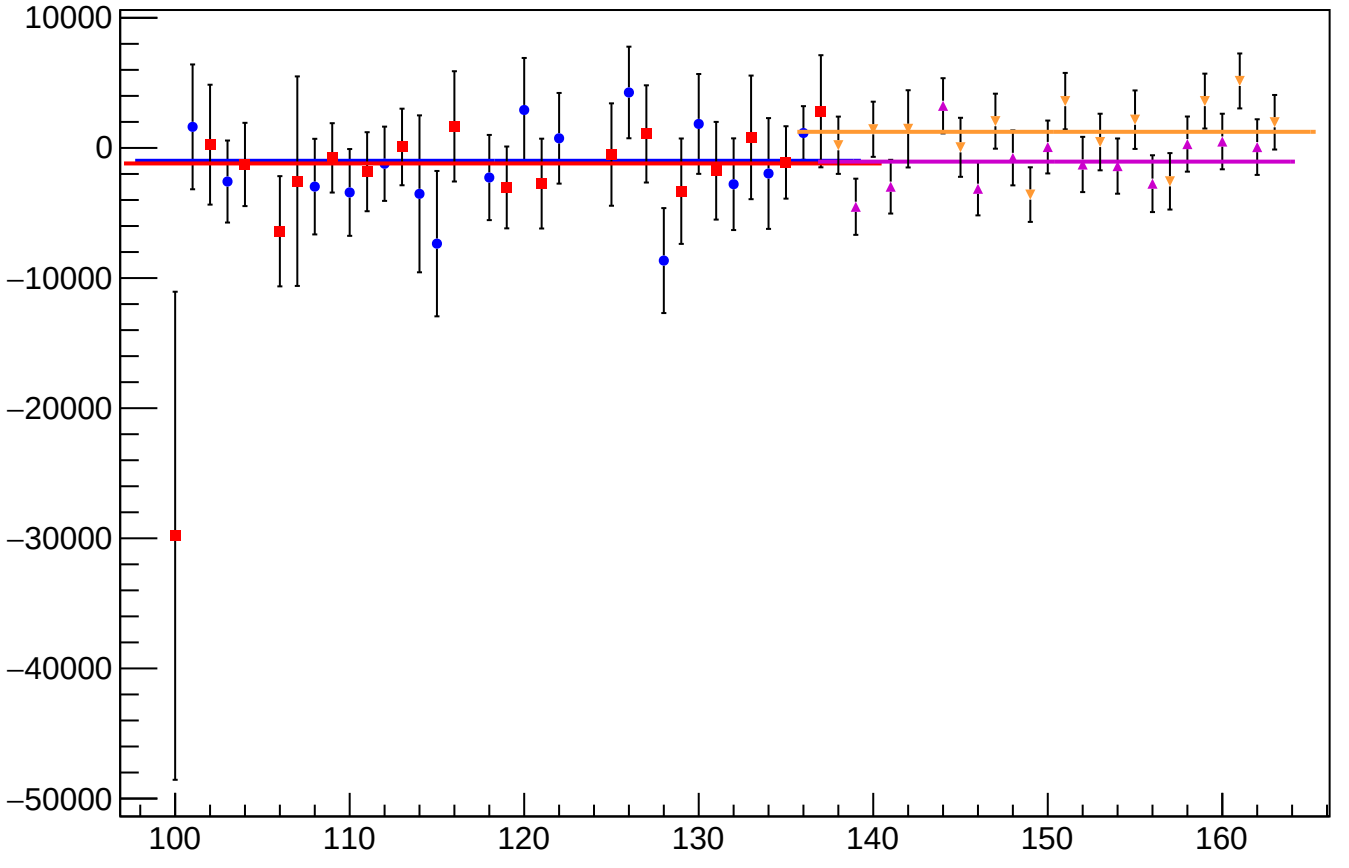
Left: 803.978+/-0.126 χ^2/NDF: 399743.1/24

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 880.479+/-0.155 χ^2/NDF:2797787.3/27

Out: 842.771+/-0.150 χ^2/NDF:3521607.3/30

All: 860.969+/-0.108 χ^2/NDF: 6349941.1/58



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 1239.037+/-608.695 χ^2/NDF:15.3/12

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1051.673+/-609.619 χ^2/NDF:10.7/11

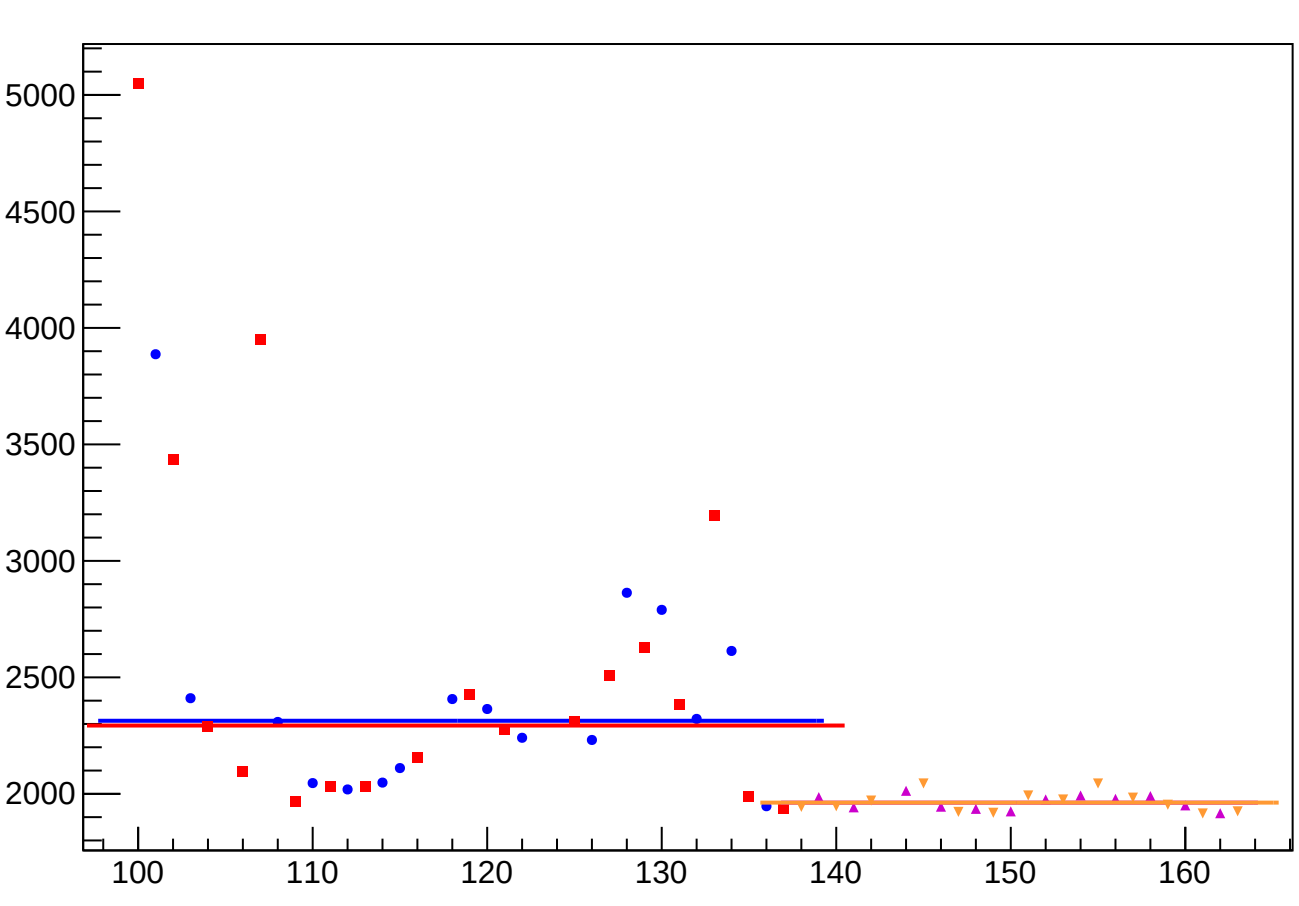
Left: 95.419+/-430.739 χ^2/NDF: 33.1/24

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1030.676+/-499.975 χ^2/NDF:22.7/27

Out: 440.582+/-498.826 χ^2/NDF:27.5/30

All: -293.355+/-353.129 χ^2/NDF: 54.6/58



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1962.422+/-0.430 χ^2/NDF:9462.6/12

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1962.180+/-0.431 χ^2/NDF:4642.9/11

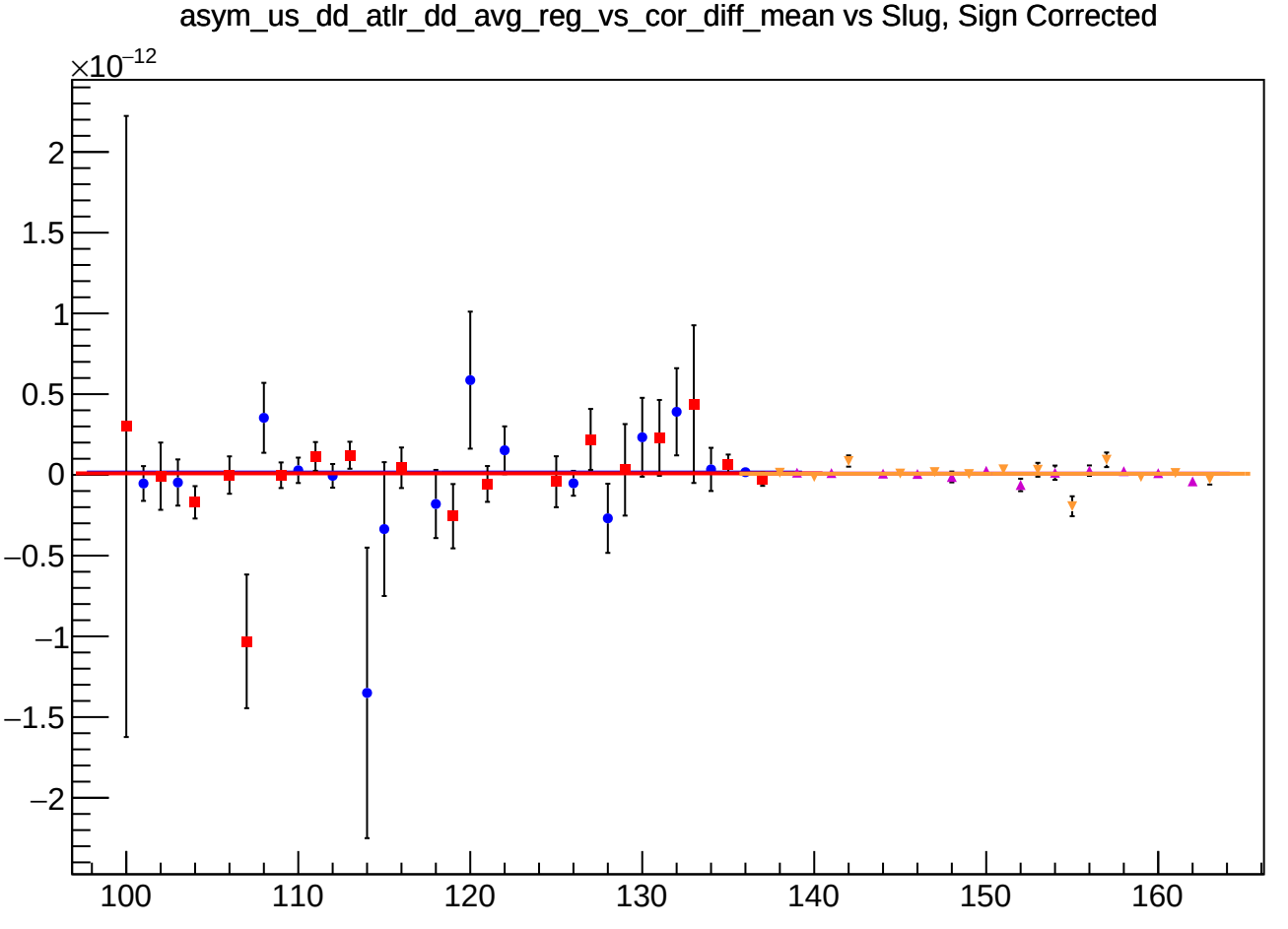
Left: 1962.301+/-0.305 χ^2/NDF: 14105.7/24

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2077.269+/-0.354 χ^2/NDF:625144.5/27

Out: 2071.081+/-0.353 χ^2/NDF:656721.7/30

All: 2074.168+/-0.250 χ^2/NDF: 1282019.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/12

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/11

Left: 0.000+/-0.000 χ^2/NDF: 31.8/24

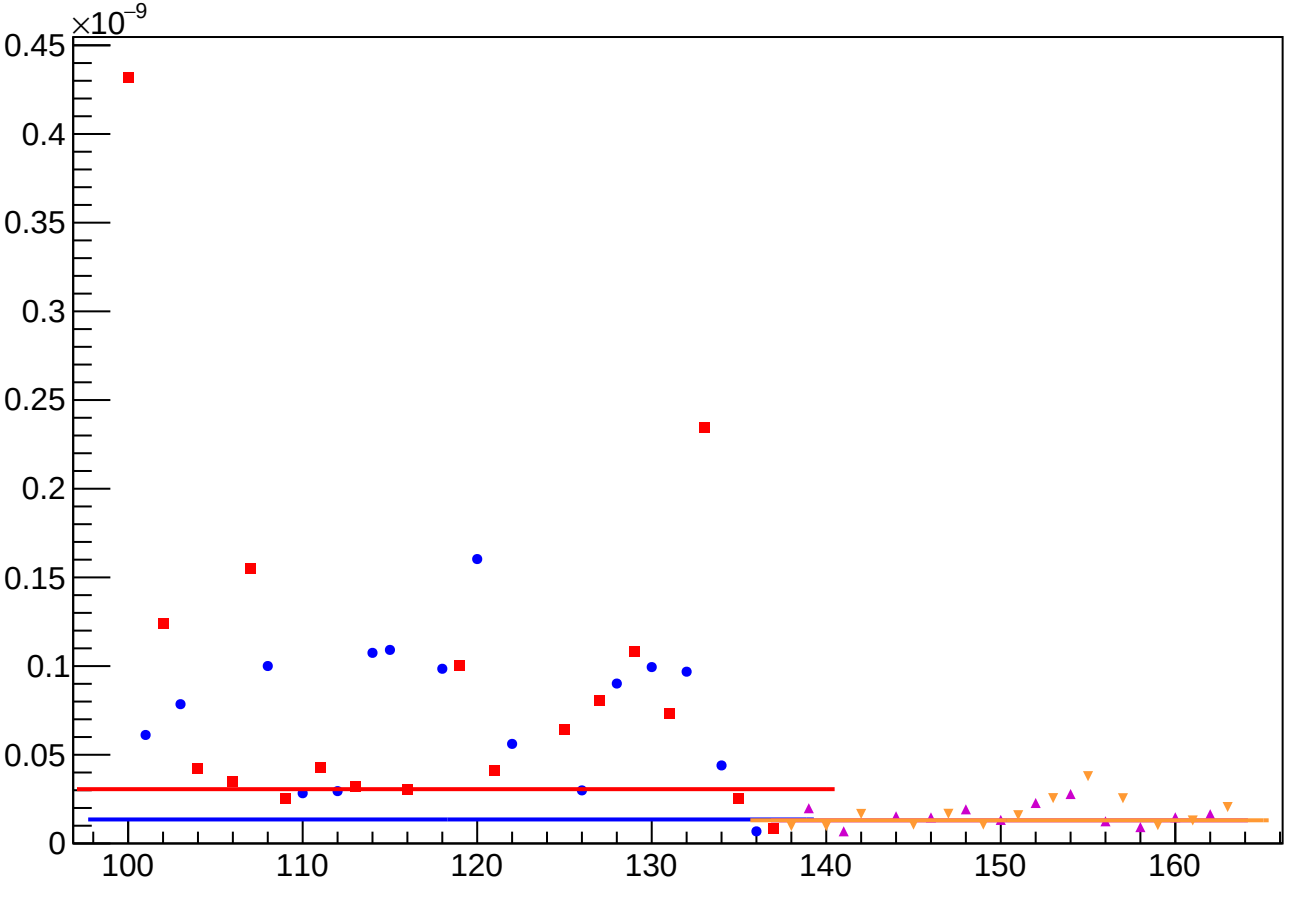
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:23.1/27

Out: 0.000+/-0.000 χ^2/NDF:43.4/30

All: 0.000+/-0.000 χ^2/NDF: 66.5/58

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:1023707.4/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1036836.6/11

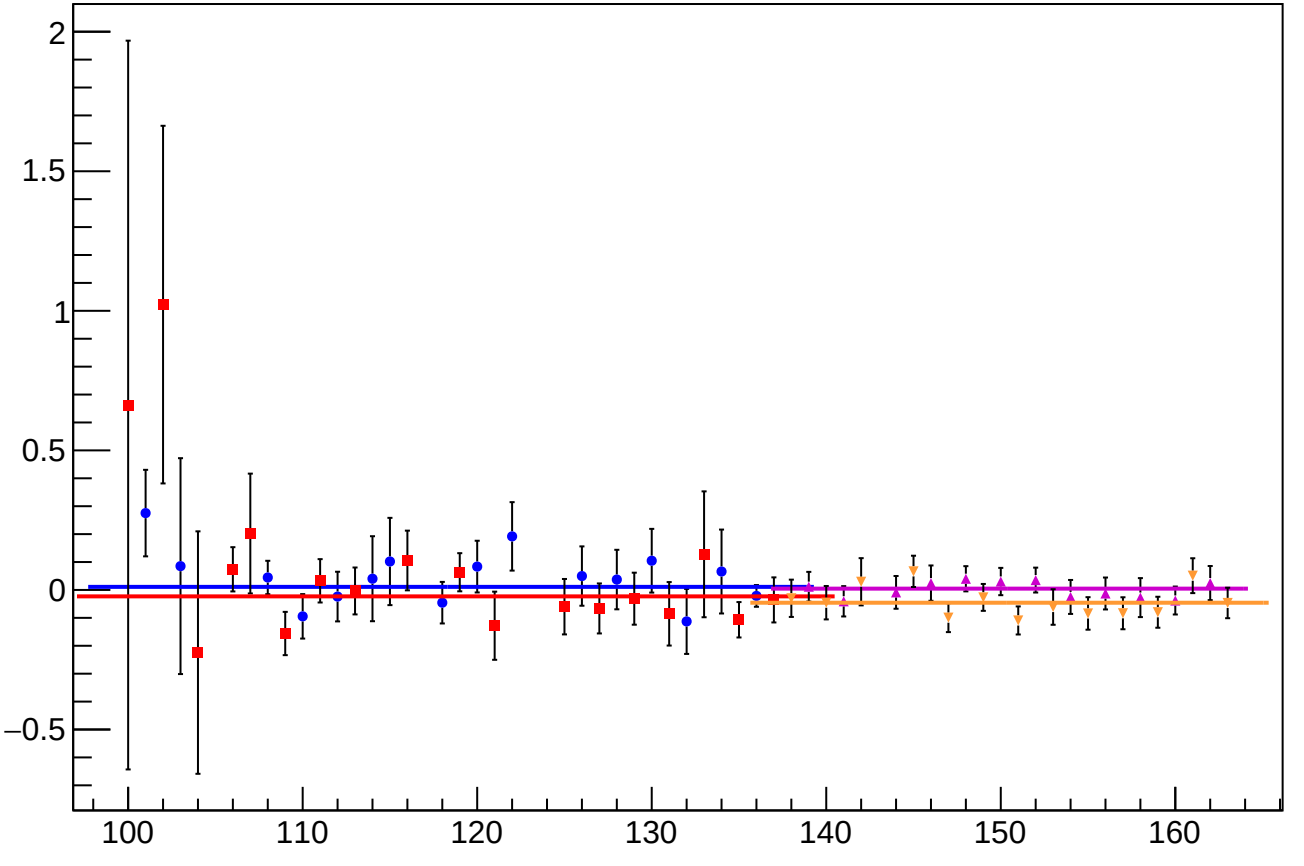
Left: 0.000+/-0.000 χ^2/NDF: 2060556.8/24

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4454922.0/27

Out: 0.000+/-0.000 χ^2/NDF:4347527.2/30

All: 0.000+/-0.000 χ^2/NDF: 8844018.6/58



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.005+/-0.016 χ^2/NDF:3.6/11

Left: -0.020+/-0.011 χ^2/NDF: 20.1/24

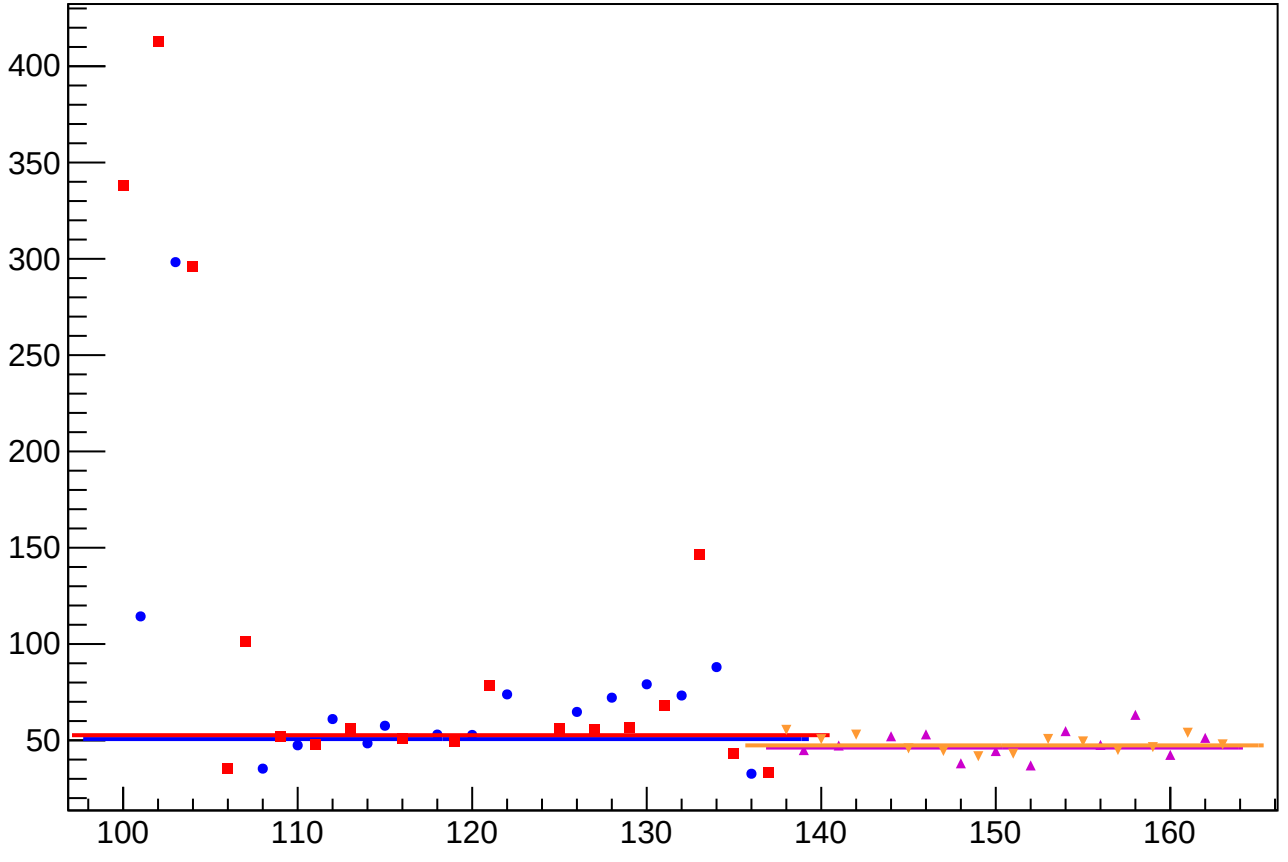
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.007+/-0.013 χ^2/NDF:15.4/27

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.015+/-0.009 χ^2/NDF: 49.5/58

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.372+/-0.011 χ^2/NDF:127894.9/12

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.231+/-0.011 χ^2/NDF:384190.3/11

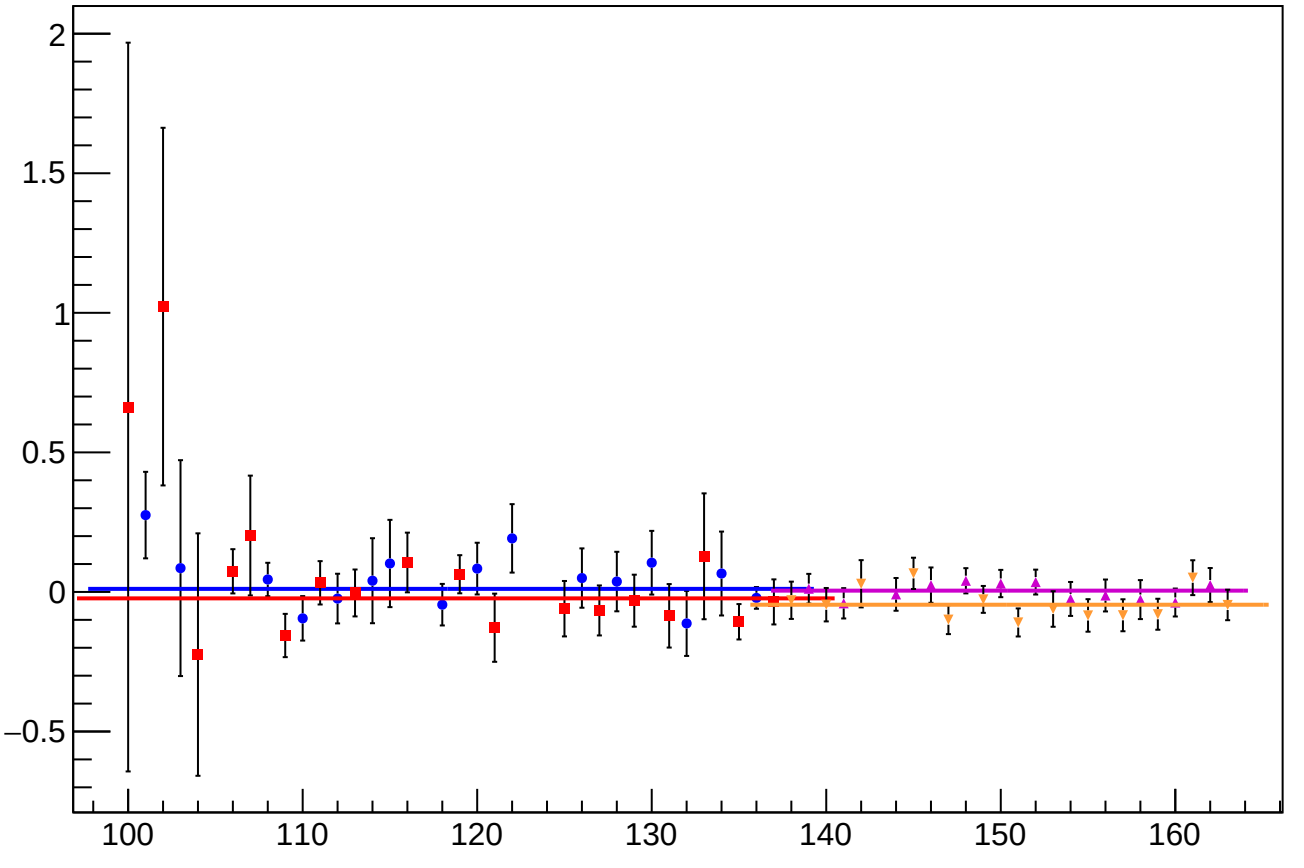
Left: 46.790+/-0.008 χ^2/NDF: 517302.6/24

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.723+/-0.009 χ^2/NDF:2704556.3/27

Out: 49.083+/-0.009 χ^2/NDF:2410860.1/30

All: 48.381+/-0.006 χ^2/NDF: 5126470.9/58



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.005+/-0.016 χ^2/NDF:3.6/11

Left: -0.020+/-0.011 χ^2/NDF: 20.1/24

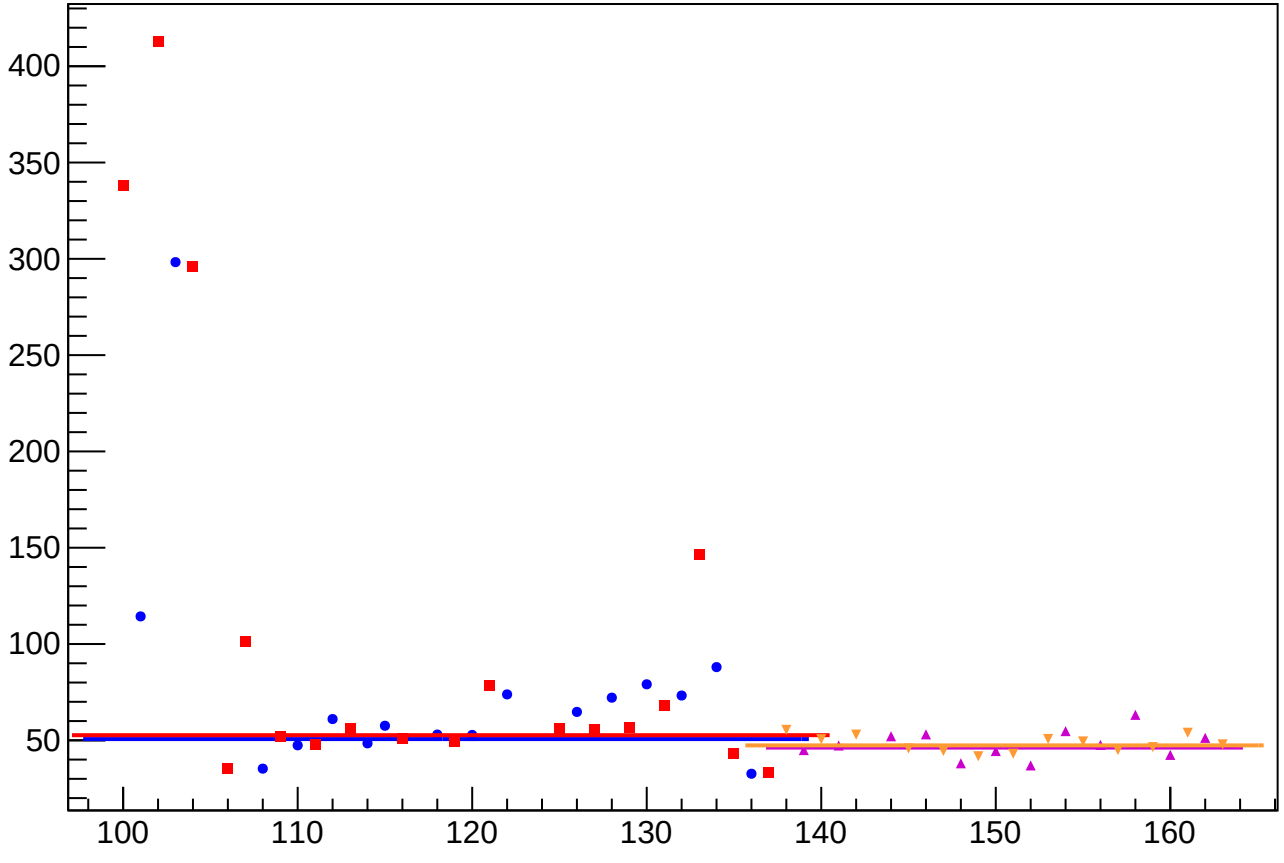
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.007+/-0.013 χ^2/NDF:15.4/27

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.015+/-0.009 χ^2/NDF: 49.5/58

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: 47.372+/-0.011 χ^2/NDF:127894.9/12

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.231+/-0.011 χ^2/NDF:384190.3/11

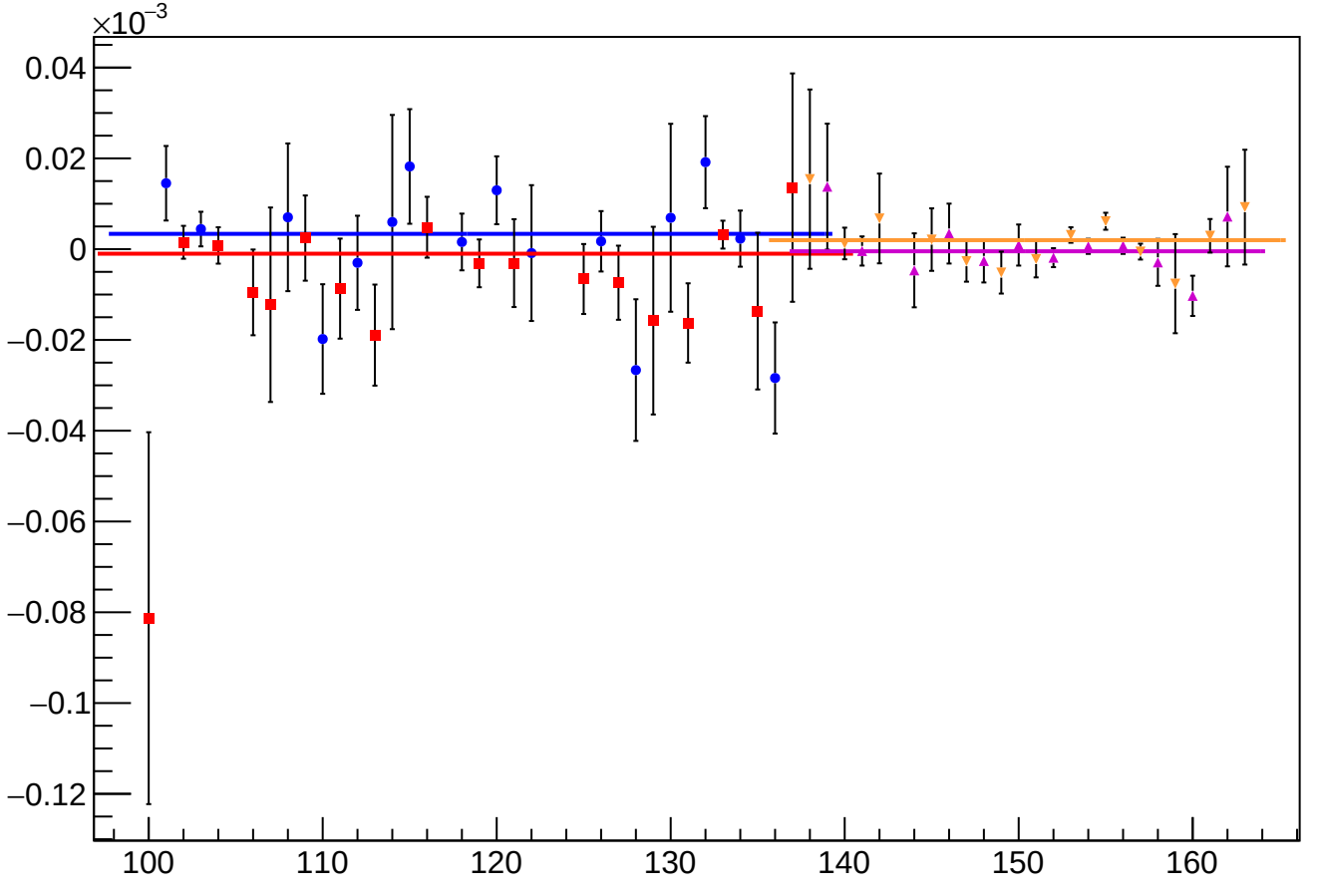
Left: 46.790+/-0.008 χ^2/NDF: 517302.6/24

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.723+/-0.009 χ^2/NDF:2704556.3/27

Out: 49.083+/-0.009 χ^2/NDF:2410860.1/30

All: 48.381+/-0.006 χ^2/NDF: 5126470.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/12

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:8.9/11

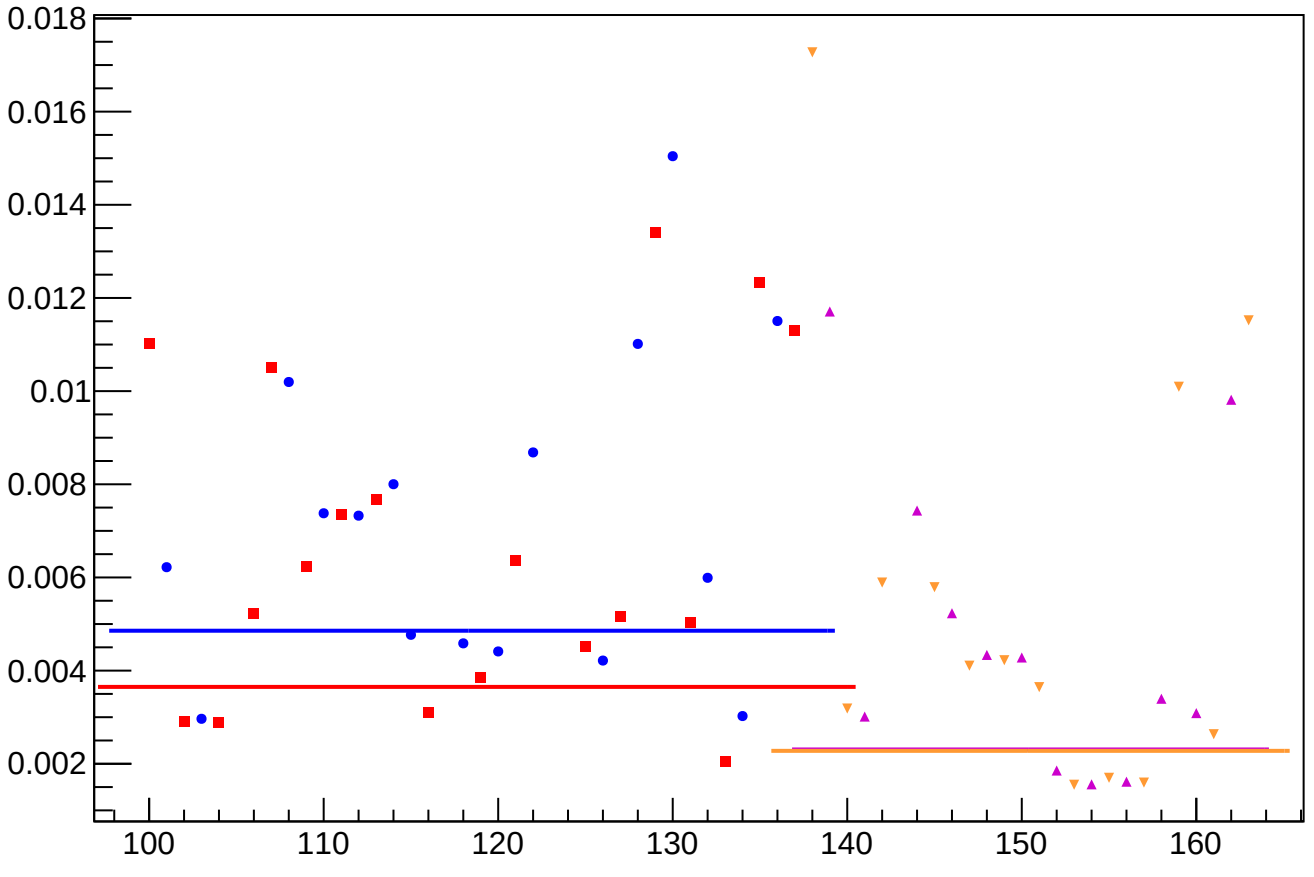
Left: 0.000+/-0.000 χ^2/NDF: 26.6/24

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:34.0/27

Out: 0.000+/-0.000 χ^2/NDF:33.9/30

All: 0.000+/-0.000 χ^2/NDF: 68.9/58



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5958579.8/12

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:4834315.0/11

Left: 0.002+/-0.000 χ^2/NDF: 10794019.2/24

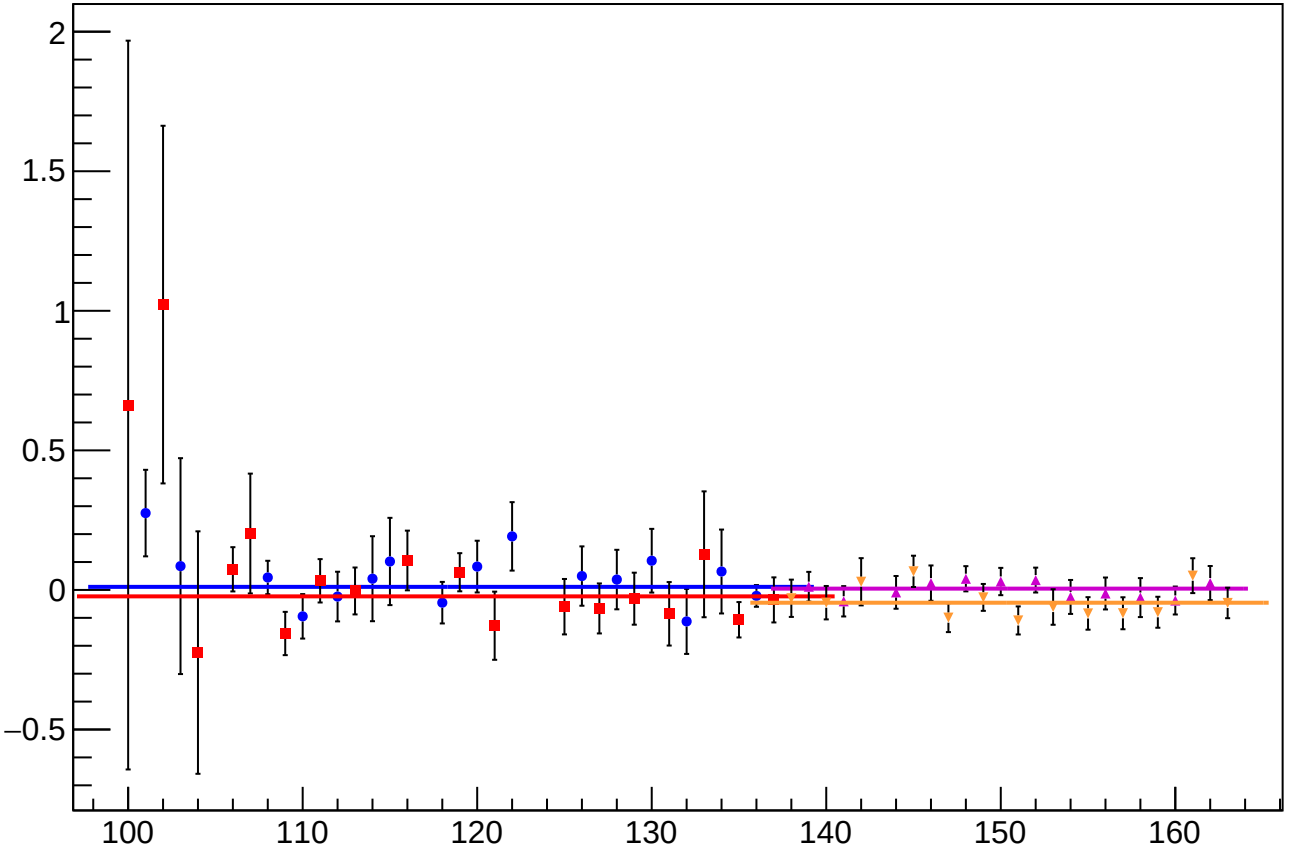
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10109631.6/27

Out: 0.003+/-0.000 χ^2/NDF:10240185.0/30

All: 0.003+/-0.000 χ^2/NDF: 20368133.9/58

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: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.005+/-0.016 χ^2/NDF:3.6/11

Left: -0.020+/-0.011 χ^2/NDF: 20.1/24

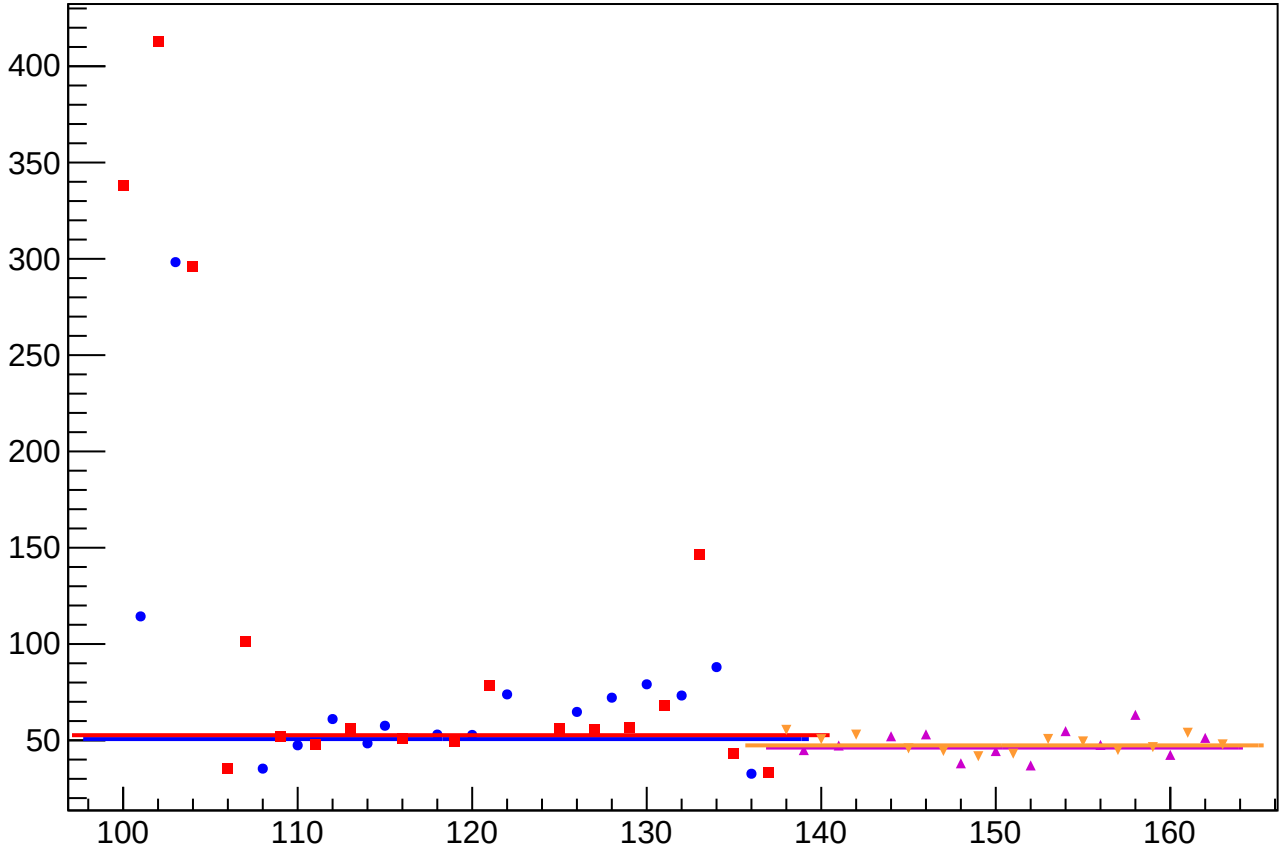
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.007+/-0.013 χ^2/NDF:15.4/27

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.015+/-0.009 χ^2/NDF: 49.5/58

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: 47.372+/-0.011 χ^2/NDF:127886.5/12

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.231+/-0.011 χ^2/NDF:384130.8/11

Left: 46.789+/-0.008 χ^2/NDF: 517227.3/24

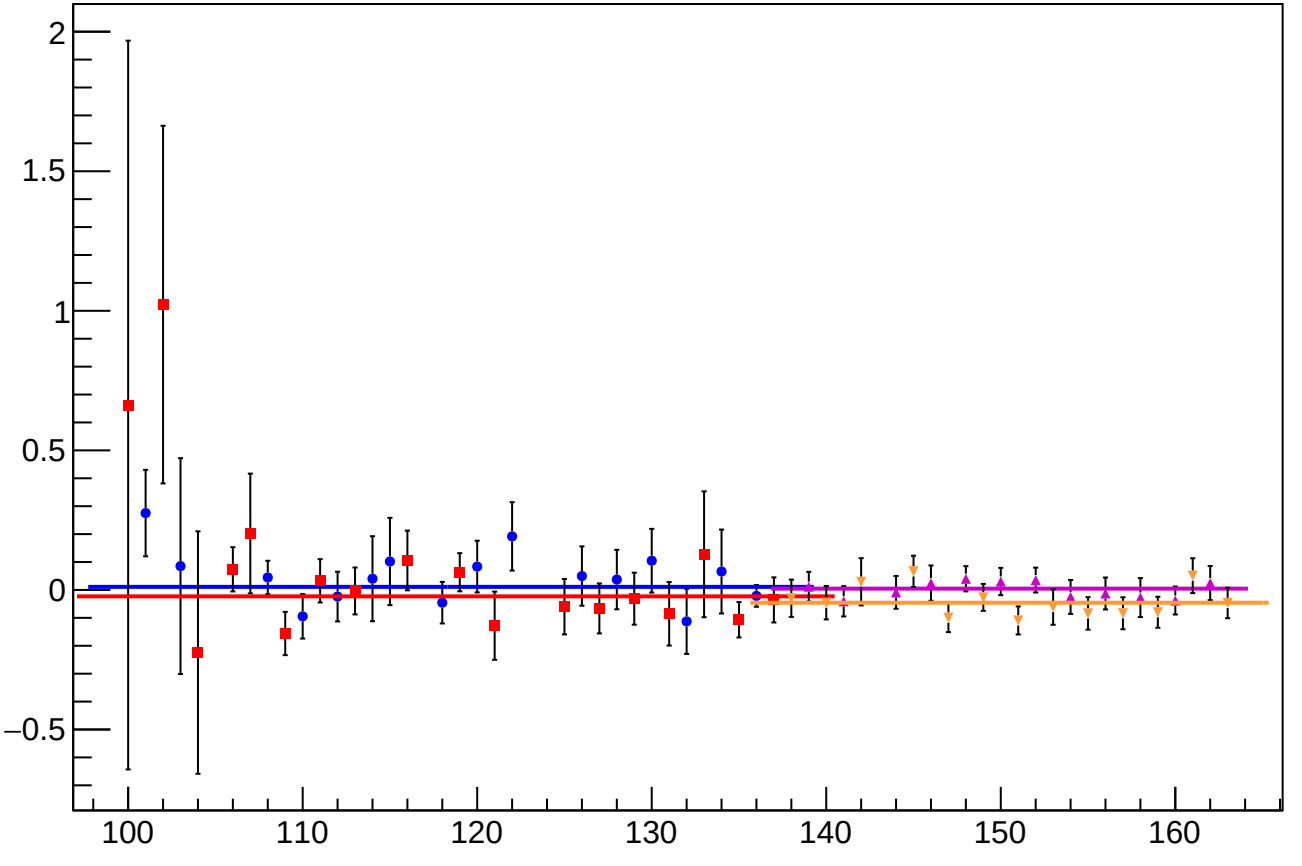
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.724+/-0.009 χ^2/NDF:2704403.8/27

Out: 49.082+/-0.009 χ^2/NDF:2410771.5/30

All: 48.381+/-0.006 χ^2/NDF: 5126222.0/58

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.046+/-0.016 χ^2/NDF:11.4/12

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.005+/-0.016 χ^2/NDF:3.6/11

Left: -0.020+/-0.011 χ^2/NDF: 20.1/24

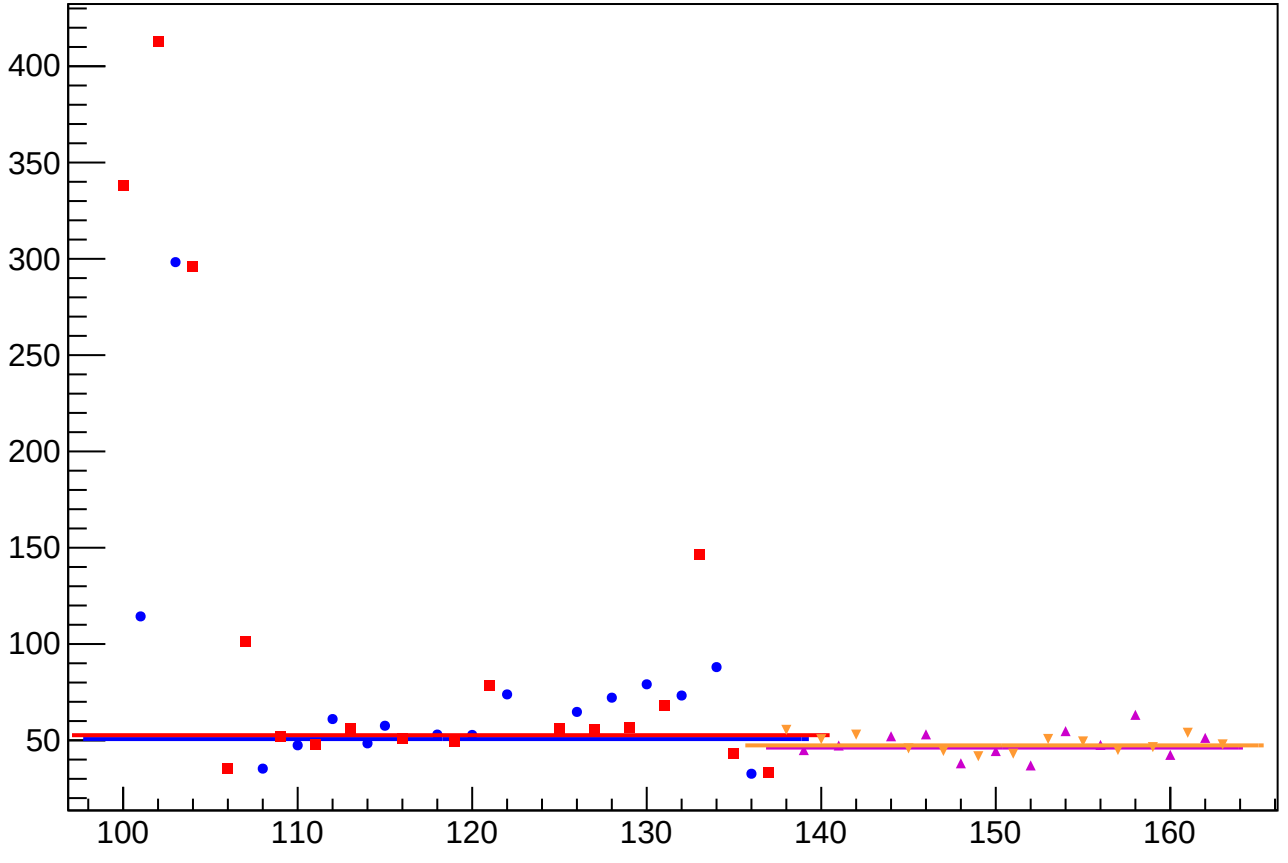
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.007+/-0.013 χ^2/NDF:15.4/27

Out: -0.038+/-0.013 χ^2/NDF:28.0/30

All: -0.015+/-0.009 χ^2/NDF: 49.5/58

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: 47.372+/-0.011 χ^2/NDF:127886.5/12

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.231+/-0.011 χ^2/NDF:384130.8/11

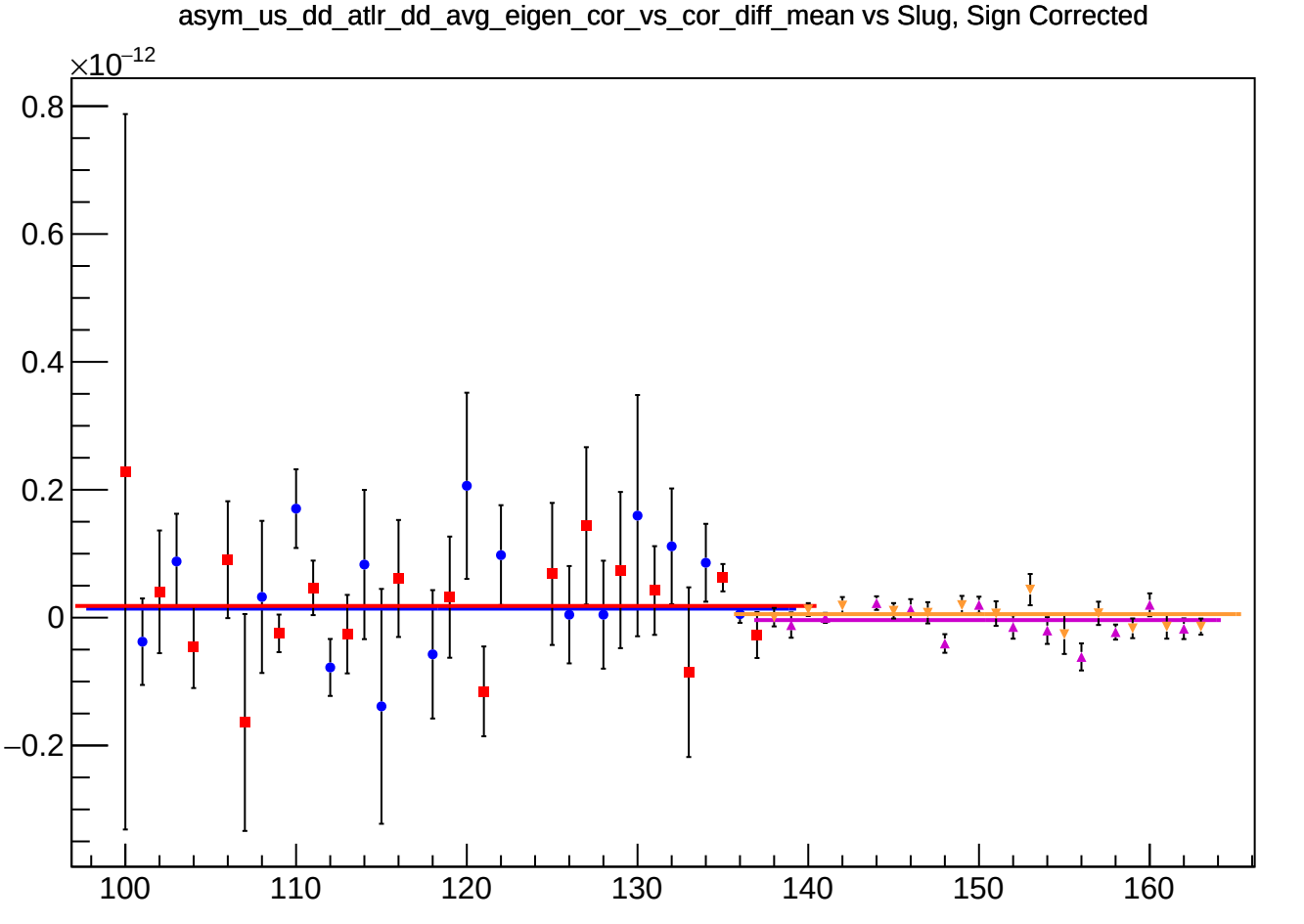
Left: 46.789+/-0.008 χ^2/NDF: 517227.3/24

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.724+/-0.009 χ^2/NDF:2704403.8/27

Out: 49.082+/-0.009 χ^2/NDF:2410771.5/30

All: 48.381+/-0.006 χ^2/NDF: 5126222.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:30.9/11

Left: 0.000+/-0.000 χ^2/NDF: 45.3/24

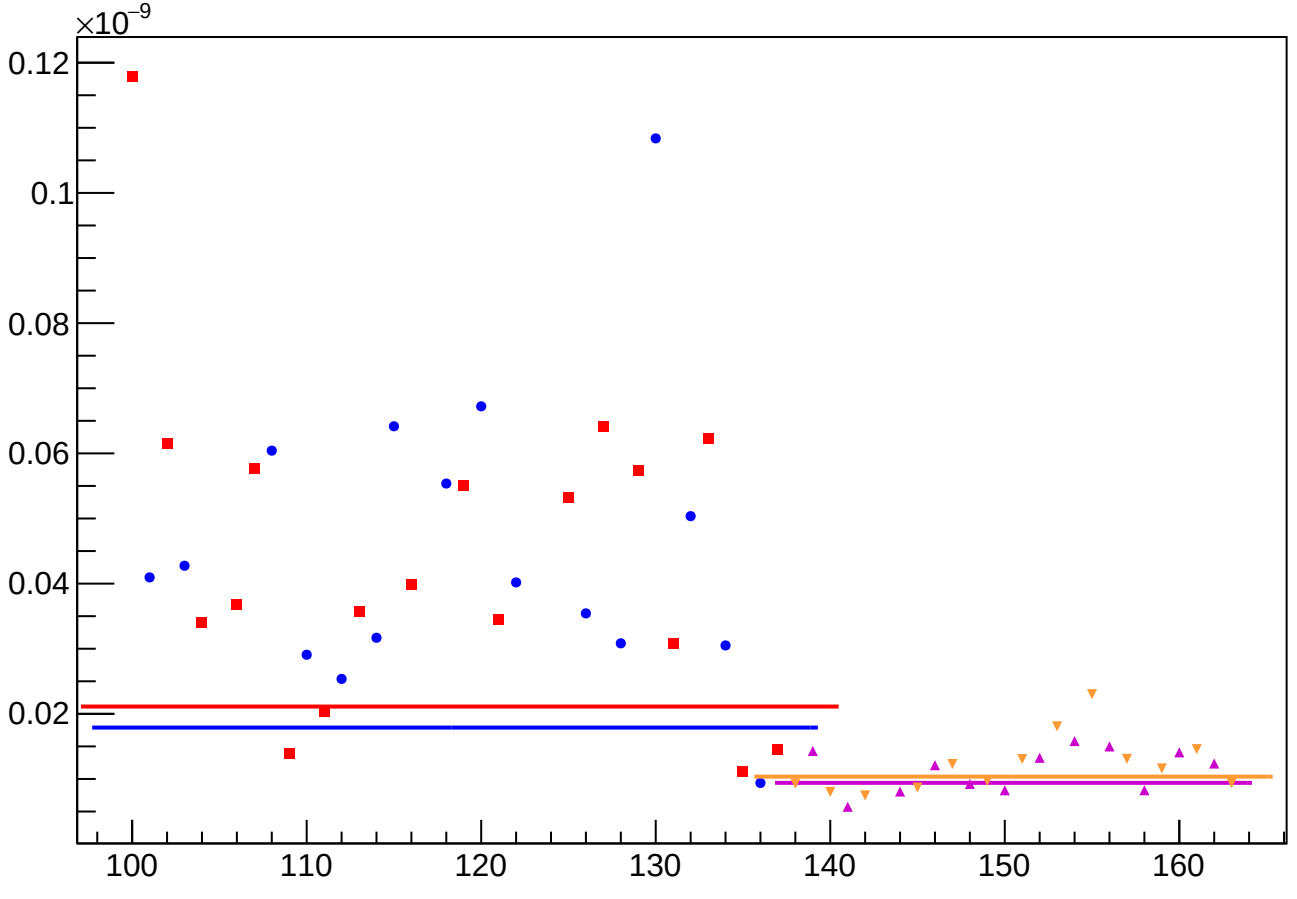
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:53.5/27

Out: 0.000+/-0.000 χ^2/NDF:30.8/30

All: 0.000+/-0.000 χ^2/NDF: 86.7/58

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:1029881.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1305312.9/11

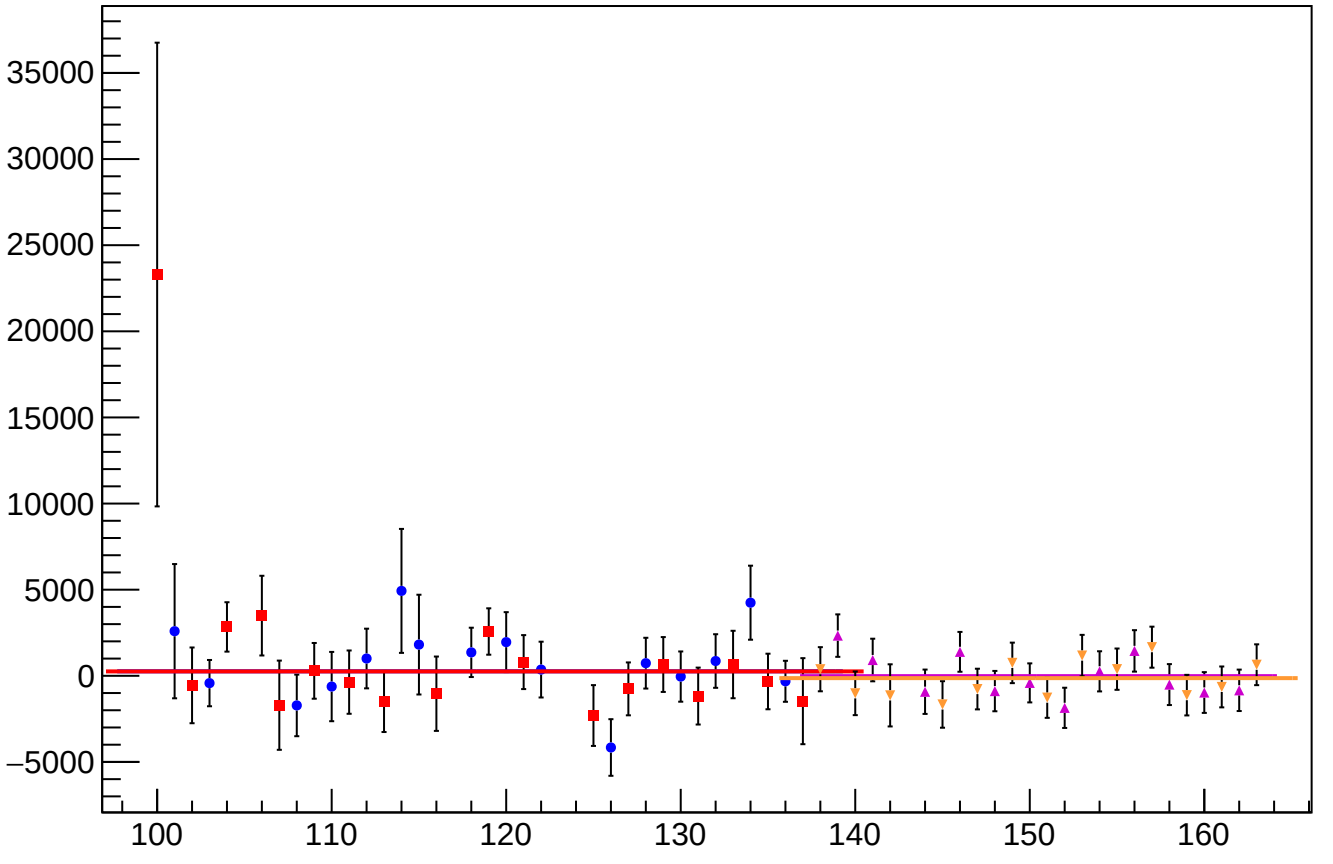
Left: 0.000+/-0.000 χ^2/NDF: 2390561.2/24

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5705640.8/27

Out: 0.000+/-0.000 χ^2/NDF:4978092.7/30

All: 0.000+/-0.000 χ^2/NDF: 10767015.5/58



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.068+/-343.150 χ^2/NDF:9.0/12

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -19.078+/-344.096 χ^2/NDF:12.2/11

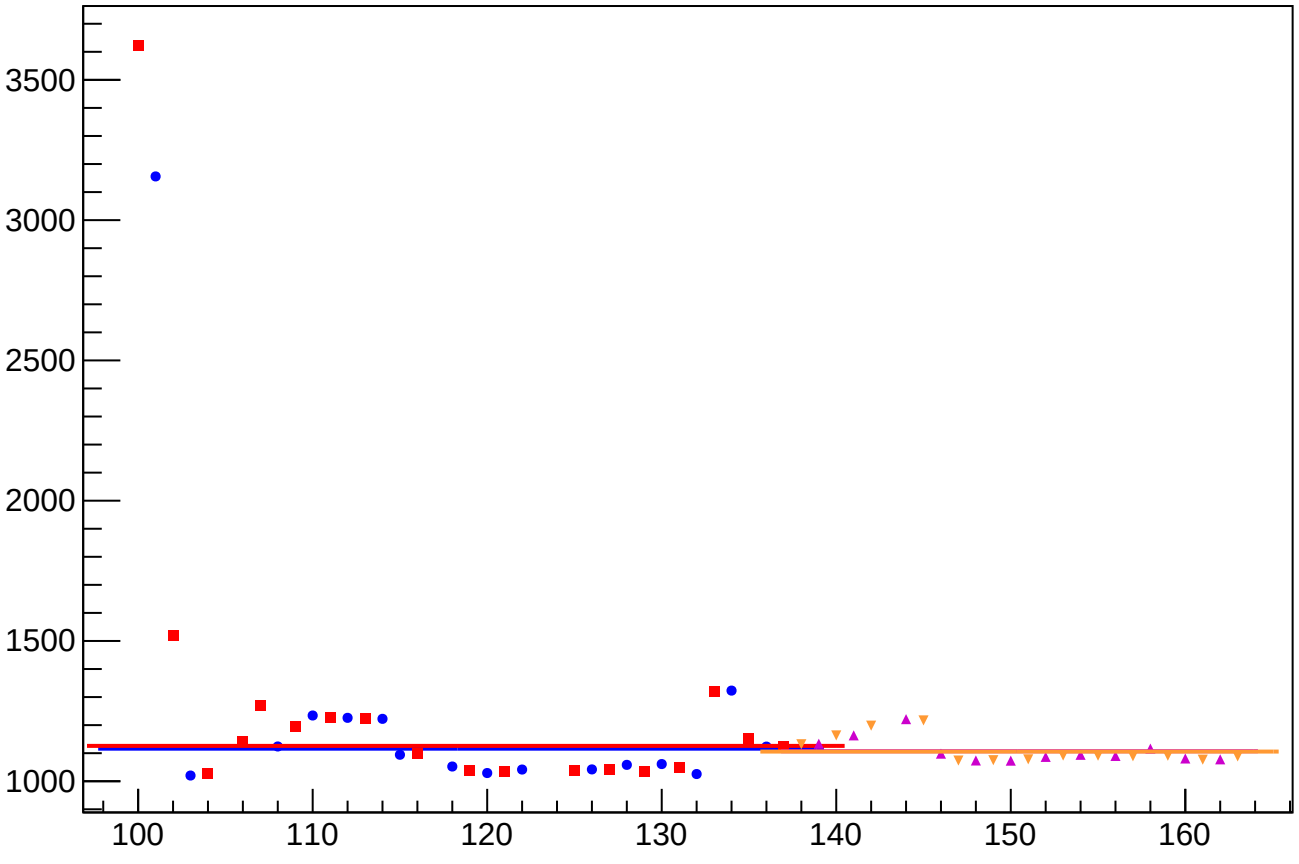
Left: -77.233+/-242.977 χ^2/NDF: 21.2/24

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 91.849+/-267.346 χ^2/NDF:29.4/27

Out: 18.893+/-267.181 χ^2/NDF:26.9/30

All: 55.348+/-188.984 χ^2/NDF: 56.3/58



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1106.939+/-0.243 χ^2/NDF:27805.8/11

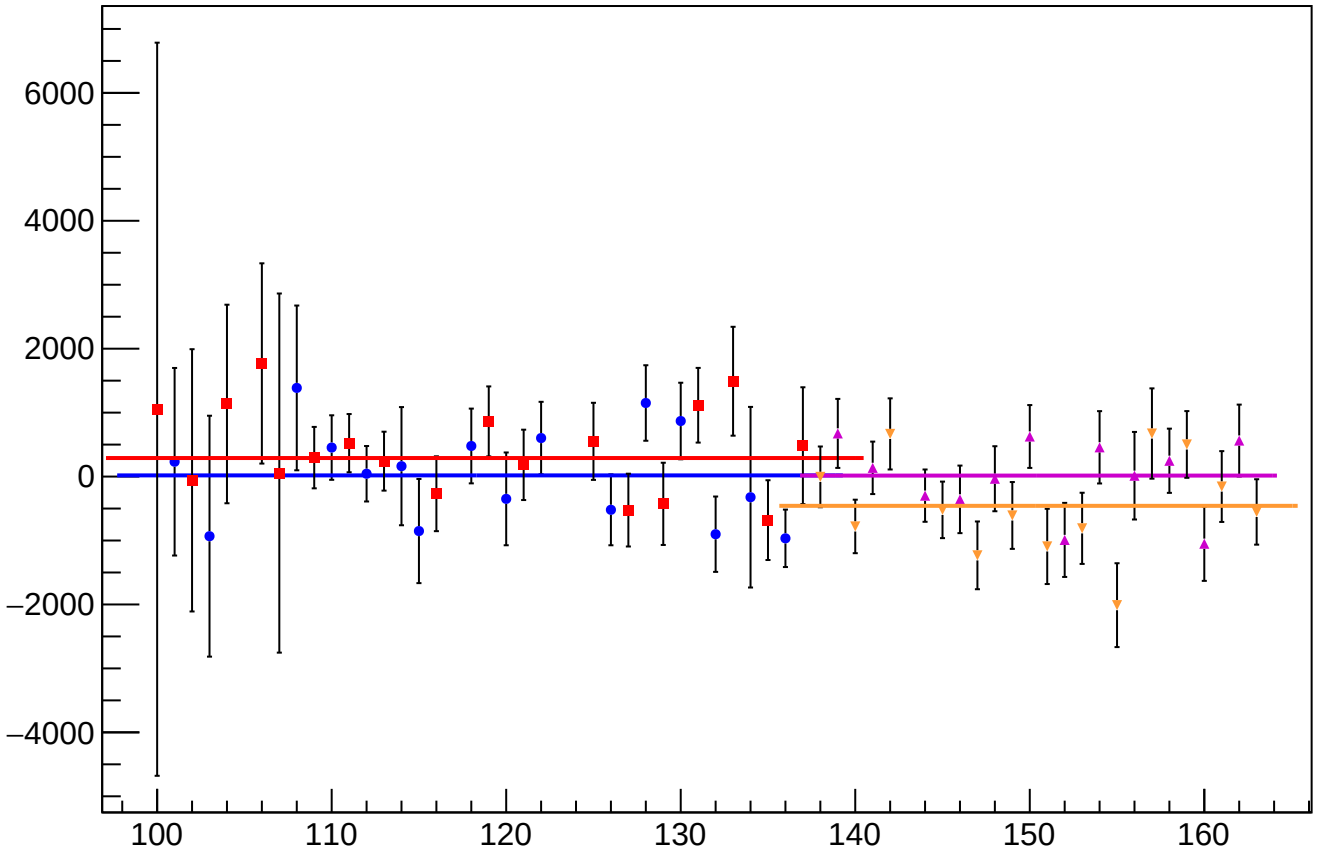
Left: 1106.337+/-0.172 χ^2/NDF: 58399.5/24

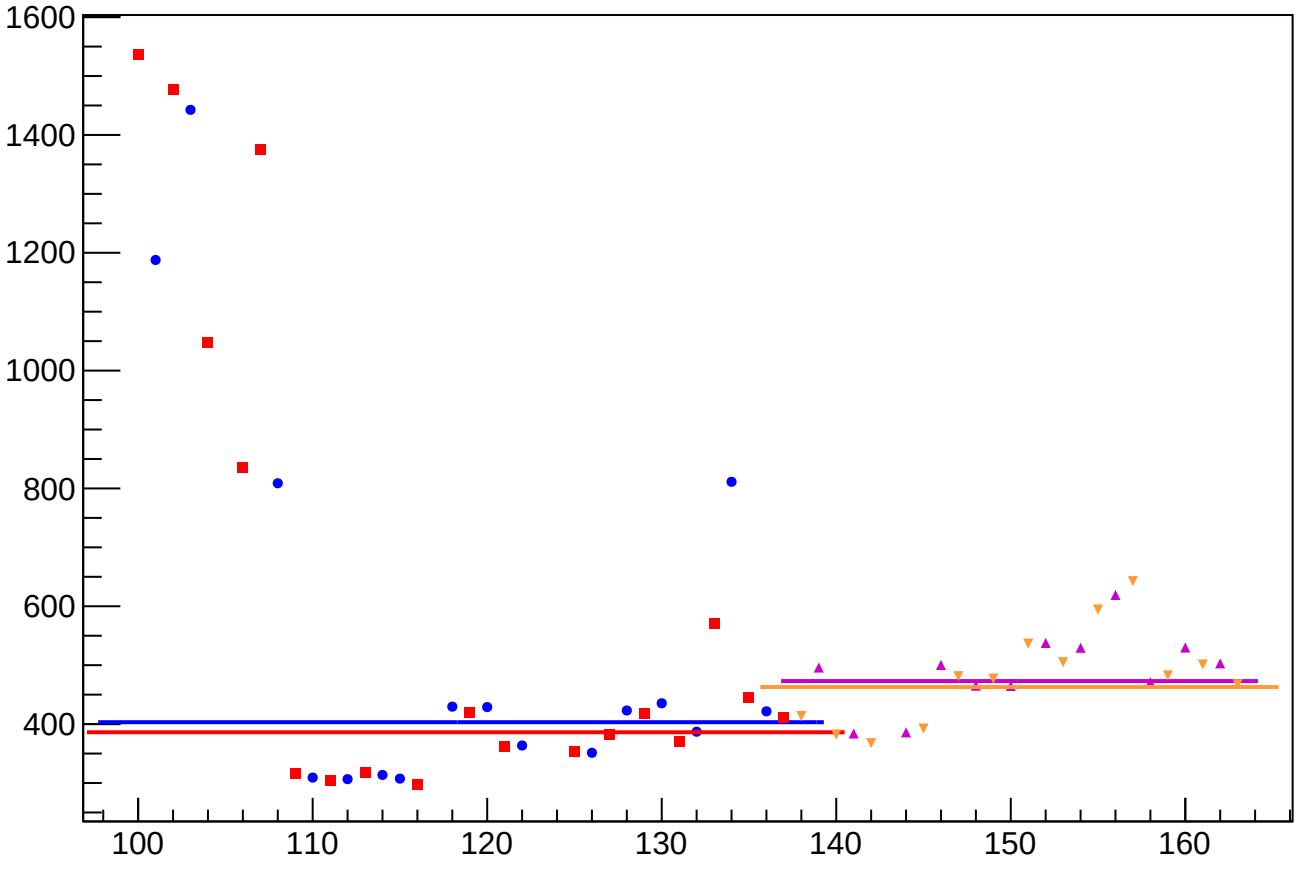
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1110.565+/-0.189 χ^2/NDF:651757.2/27

Out: 1113.723+/-0.189 χ^2/NDF:255437.2/30

All: 1112.145+/-0.134 χ^2/NDF: 907334.0/58


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
Right In: 18.468+/-161.237 χ²/NDF: 19.2/15
Left Out: -457.634+/-145.977 χ²/NDF:21.3/12
Right Out: 289.946+/-156.189 χ²/NDF: 13.5/17
Left In: 15.410+/-148.603 χ²/NDF:12.4/11
Left: -225.329+/-104.137 χ²/NDF: 38.8/24
Right: 158.523+/-112.184 χ²/NDF: 34.1/33
In: 16.815+/-109.272 χ²/NDF:31.6/27
Out: -109.080+/-106.649 χ²/NDF:47.0/30
All: -47.662+/-76.323 χ²/NDF: 79.2/58



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 462.897+/-0.103 χ^2/NDF:474600.8/12

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 473.056+/-0.105 χ^2/NDF:355790.2/11

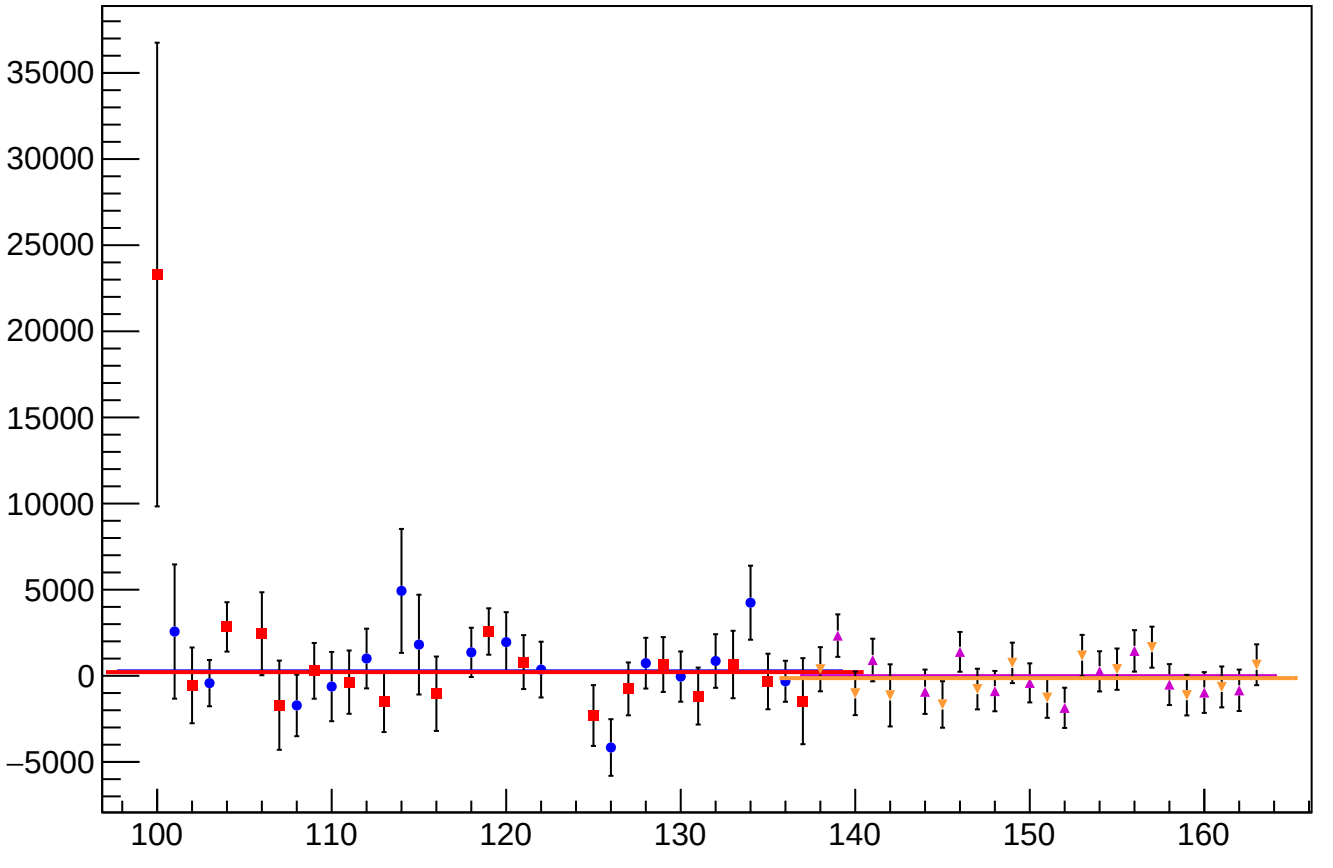
Left: 467.886+/-0.074 χ^2/NDF: 835148.5/24

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 440.969+/-0.077 χ^2/NDF:2367246.7/27

Out: 427.112+/-0.075 χ^2/NDF:2491488.2/30

All: 433.872+/-0.054 χ^2/NDF: 4875206.4/58



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -19.060+/-344.096 χ^2/NDF:12.2/11

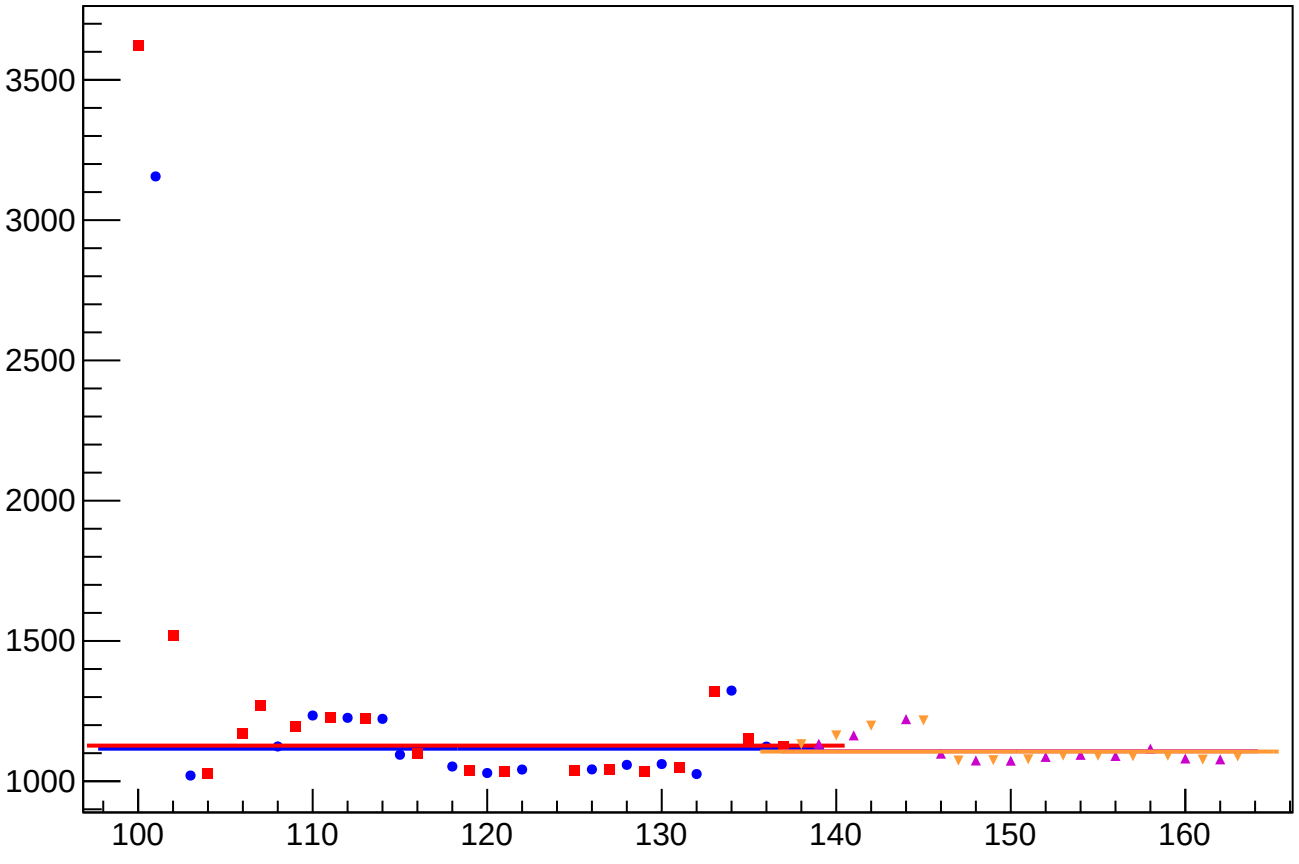
Left: -77.230+/-242.977 χ^2/NDF: 21.2/24

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 91.708+/-267.346 χ^2/NDF:29.4/27

Out: 2.352+/-267.319 χ^2/NDF:25.6/30

All: 47.026+/-189.033 χ^2/NDF: 55.1/58



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.939+/-0.243 χ^2/NDF:27805.8/11

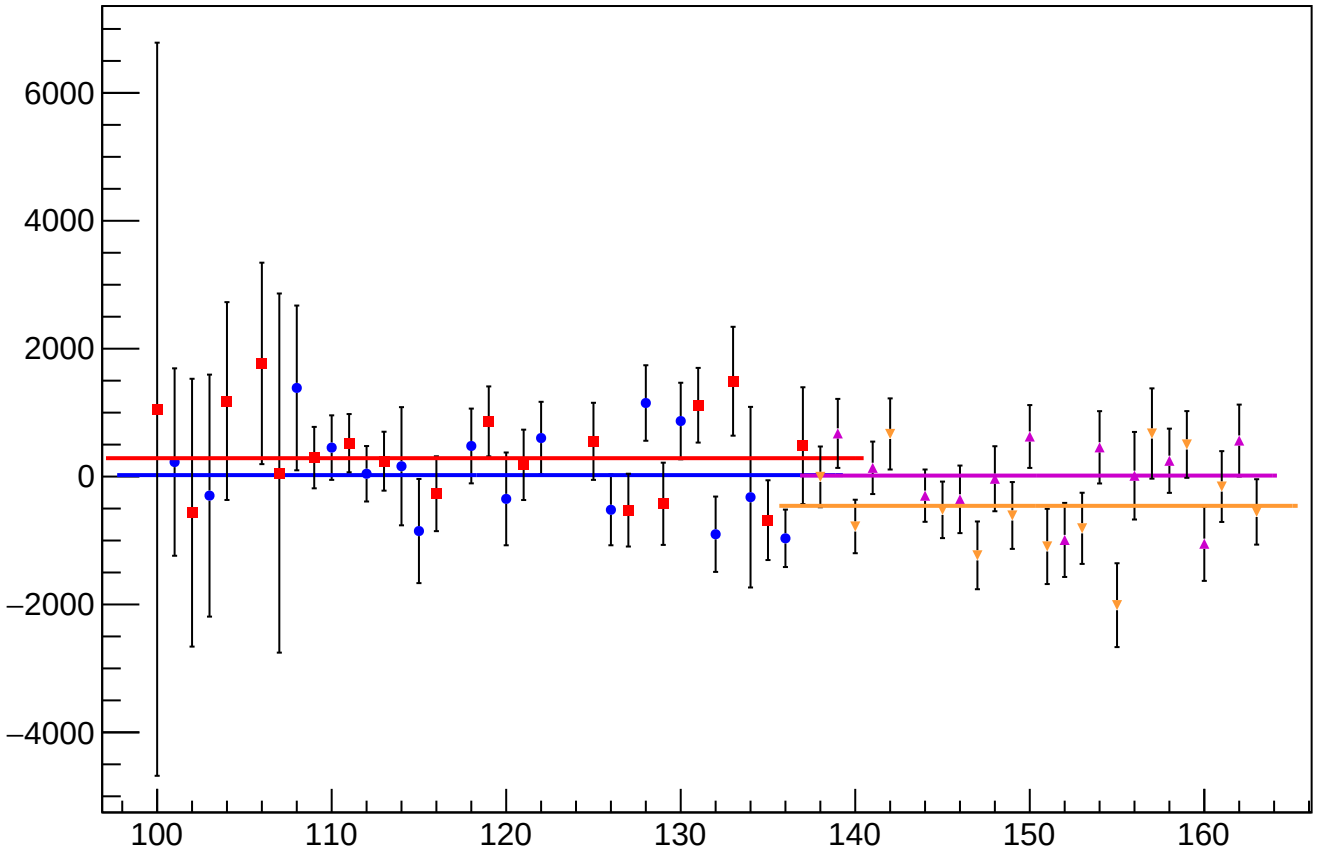
Left: 1106.337+/-0.172 χ^2/NDF: 58399.5/24

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1110.565+/-0.189 χ^2/NDF:651758.2/27

Out: 1114.082+/-0.189 χ^2/NDF:256328.8/30

All: 1112.324+/-0.134 χ^2/NDF: 908260.0/58



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -457.690+/-145.976 χ^2/NDF:21.3/12

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 15.461+/-148.602 χ^2/NDF:12.4/11

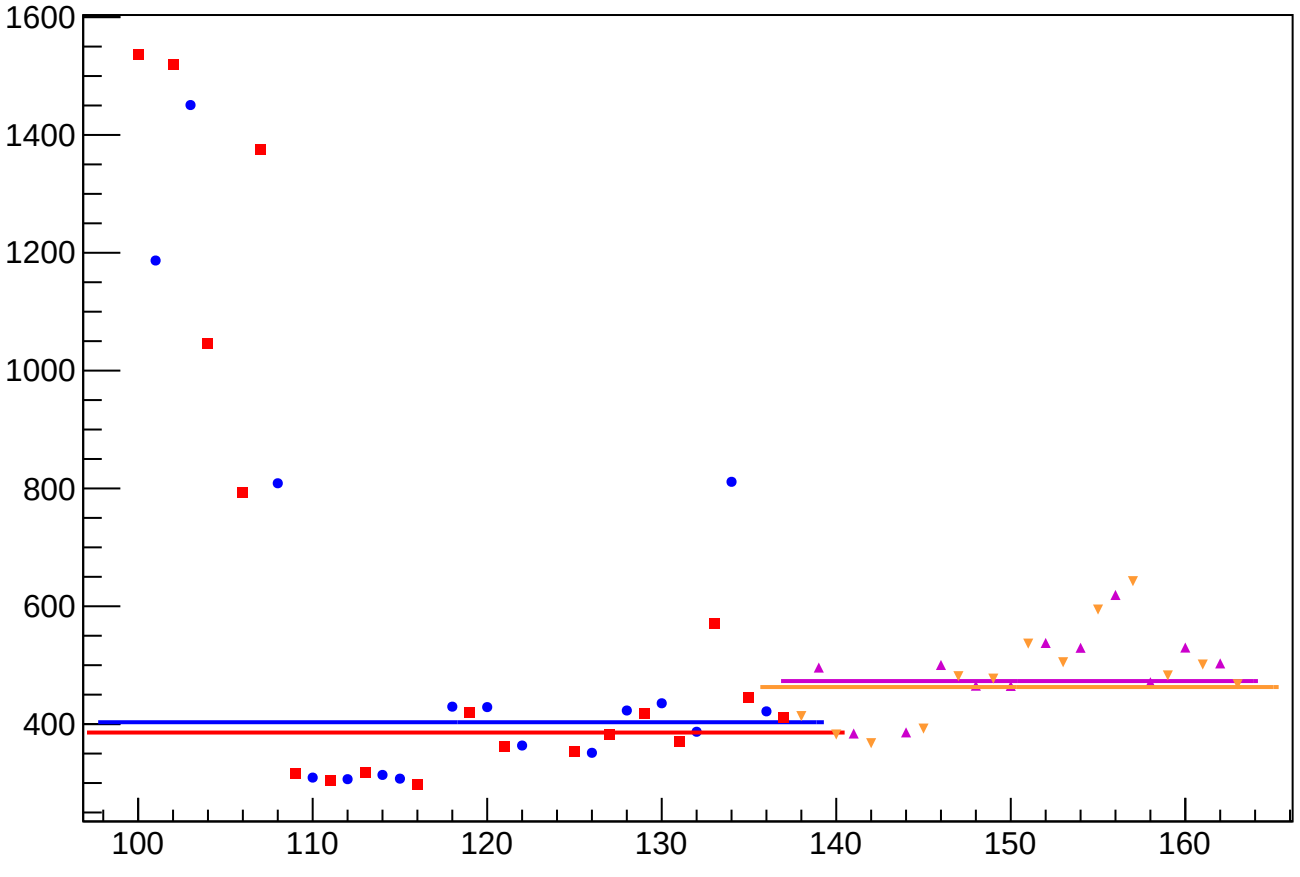
Left: -225.332+/-104.137 χ^2/NDF: 38.8/24

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 18.888+/-109.272 χ^2/NDF:31.3/27

Out: -110.255+/-106.656 χ^2/NDF:47.1/30

All: -47.248+/-76.325 χ^2/NDF: 79.1/58



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 473.053+/-0.105 χ^2/NDF:355770.5/11

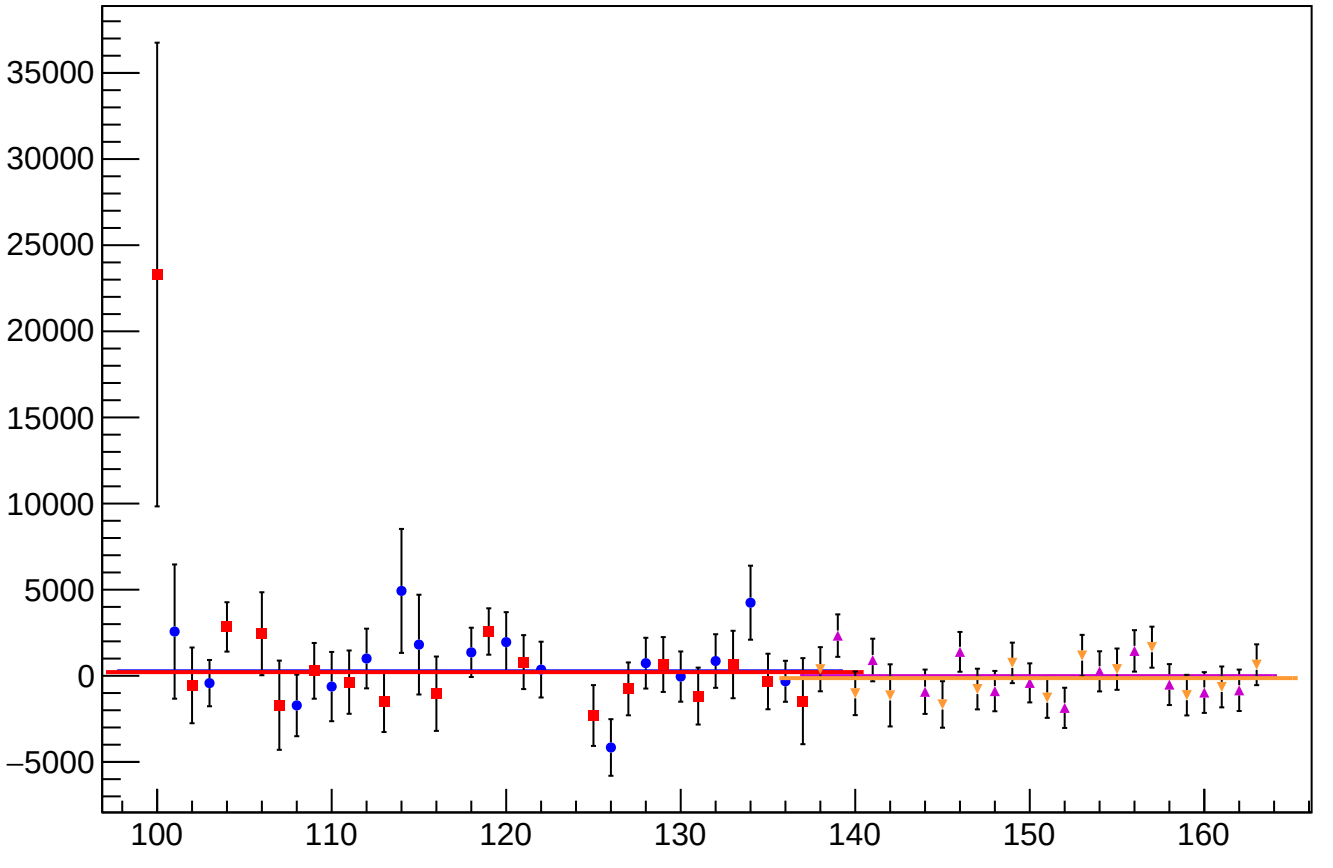
Left: 467.883+/-0.074 χ^2/NDF: 835151.4/24

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 440.962+/-0.077 χ^2/NDF:2370954.0/27

Out: 426.900+/-0.075 χ^2/NDF:2482616.9/30

All: 433.761+/-0.054 χ^2/NDF: 4870533.4/58



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -135.081+/-343.150 χ^2/NDF:9.0/12

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -19.060+/-344.096 χ^2/NDF:12.2/11

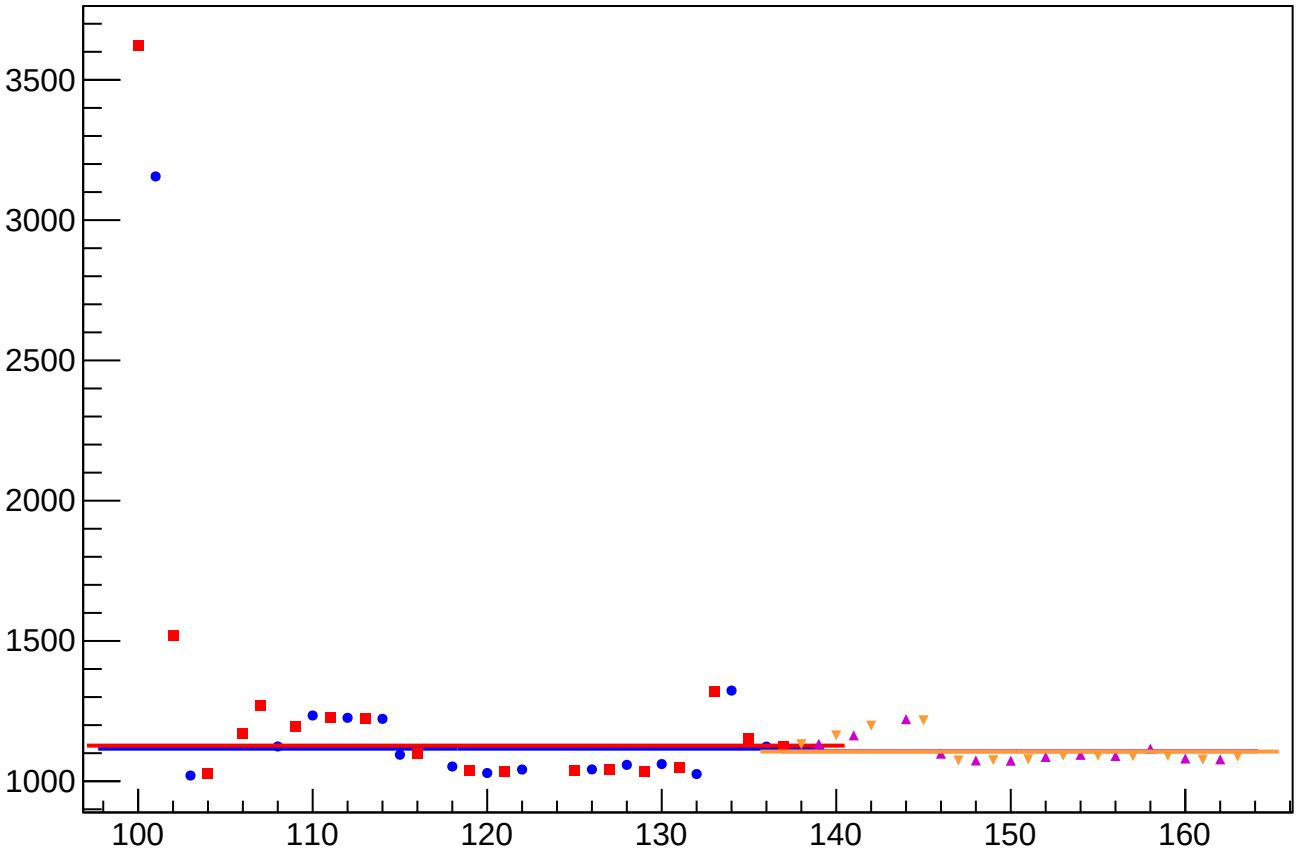
Left: -77.230+/-242.977 χ^2/NDF: 21.2/24

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 91.708+/-267.346 χ^2/NDF:29.4/27

Out: 2.352+/-267.319 χ^2/NDF:25.6/30

All: 47.026+/-189.033 χ^2/NDF: 55.1/58



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1105.739+/-0.243 χ^2/NDF:30581.5/12

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1106.939+/-0.243 χ^2/NDF:27805.8/11

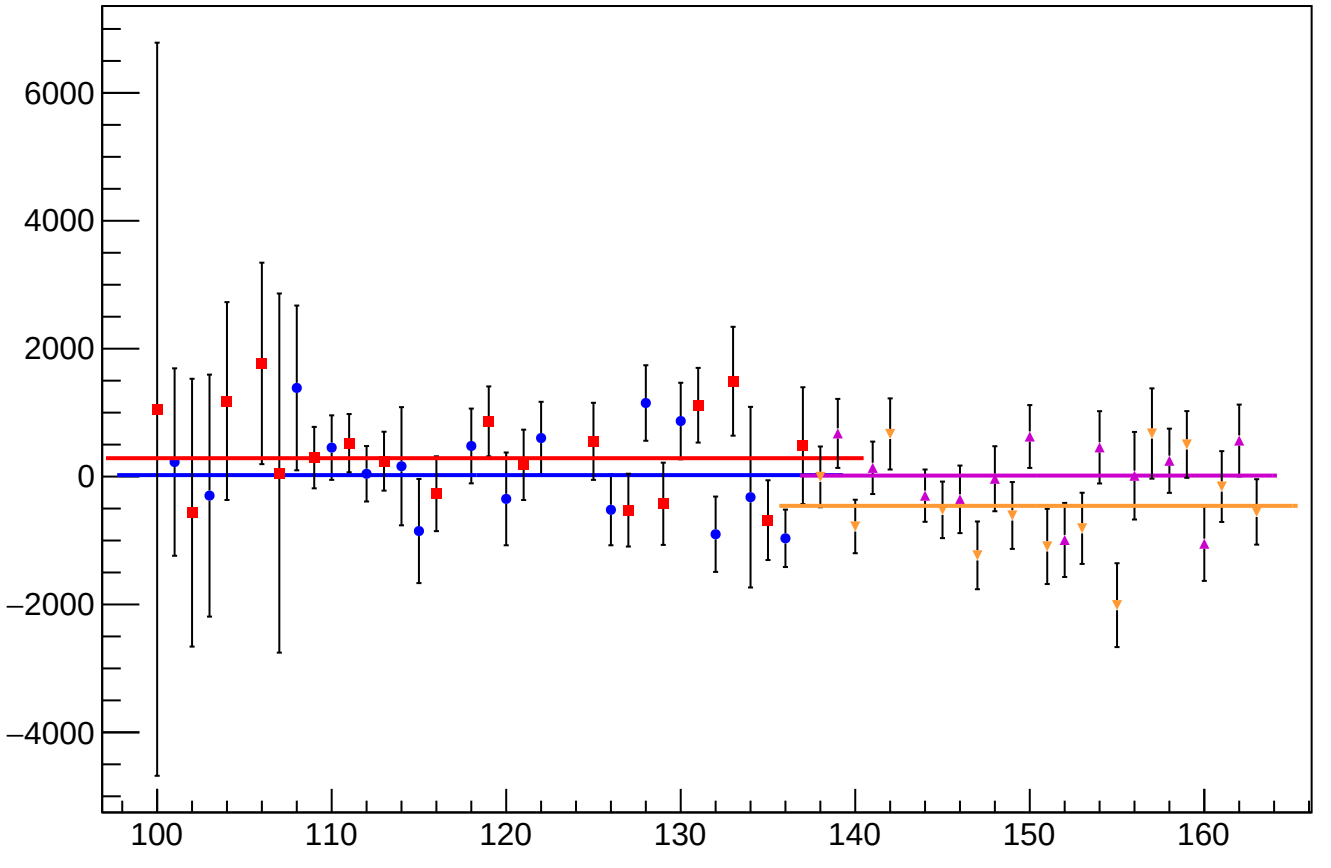
Left: 1106.337+/-0.172 χ^2/NDF: 58399.5/24

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1110.565+/-0.189 χ^2/NDF:651758.2/27

Out: 1114.082+/-0.189 χ^2/NDF:256328.8/30

All: 1112.324+/-0.134 χ^2/NDF: 908260.0/58



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -457.690+/-145.976 χ^2/NDF:21.3/12

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 15.461+/-148.602 χ^2/NDF:12.4/11

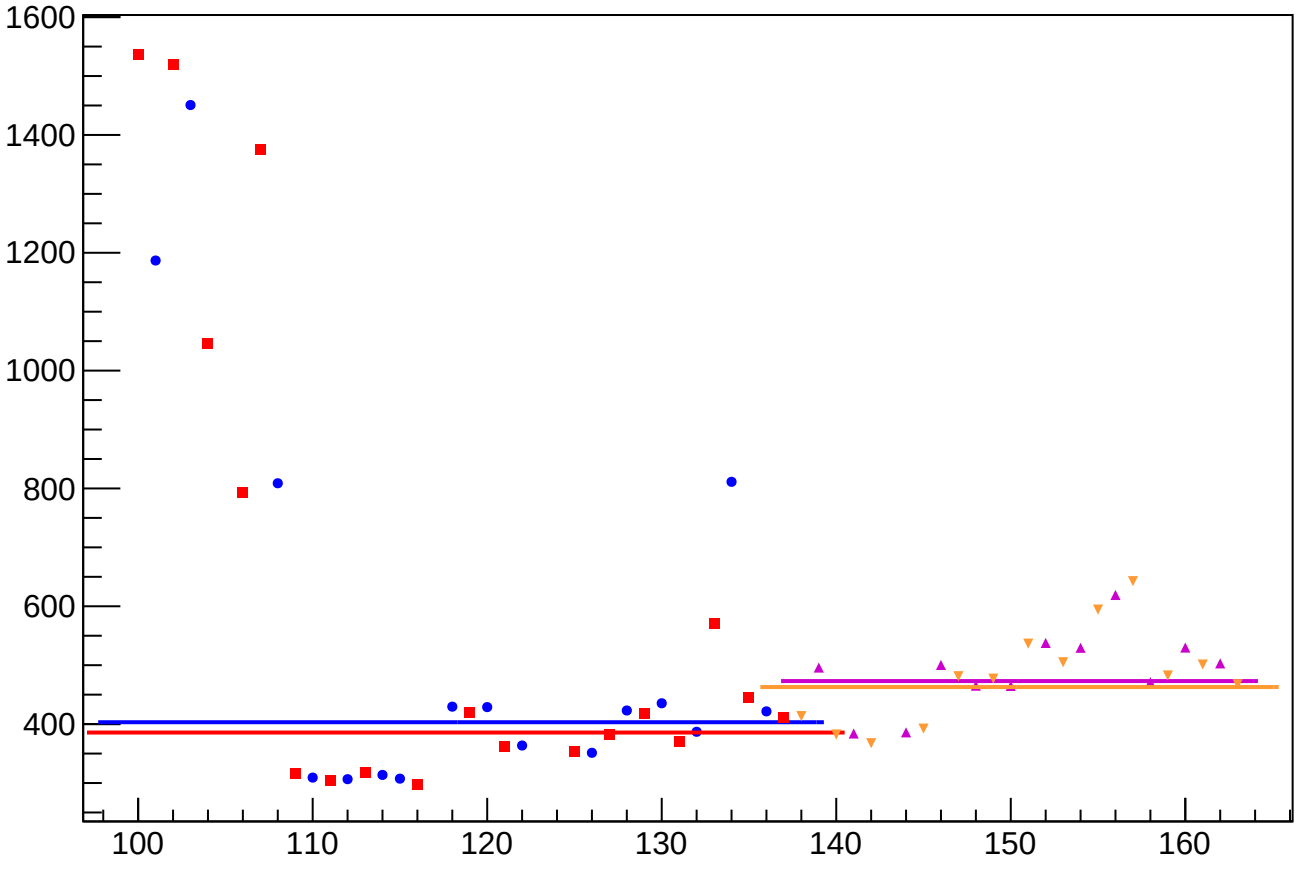
Left: -225.332+/-104.137 χ^2/NDF: 38.8/24

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 18.888+/-109.272 χ^2/NDF:31.3/27

Out: -110.255+/-106.656 χ^2/NDF:47.1/30

All: -47.248+/-76.325 χ^2/NDF: 79.1/58



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 462.893+/-0.103 χ^2/NDF:474623.7/12

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 473.053+/-0.105 χ^2/NDF:355770.5/11

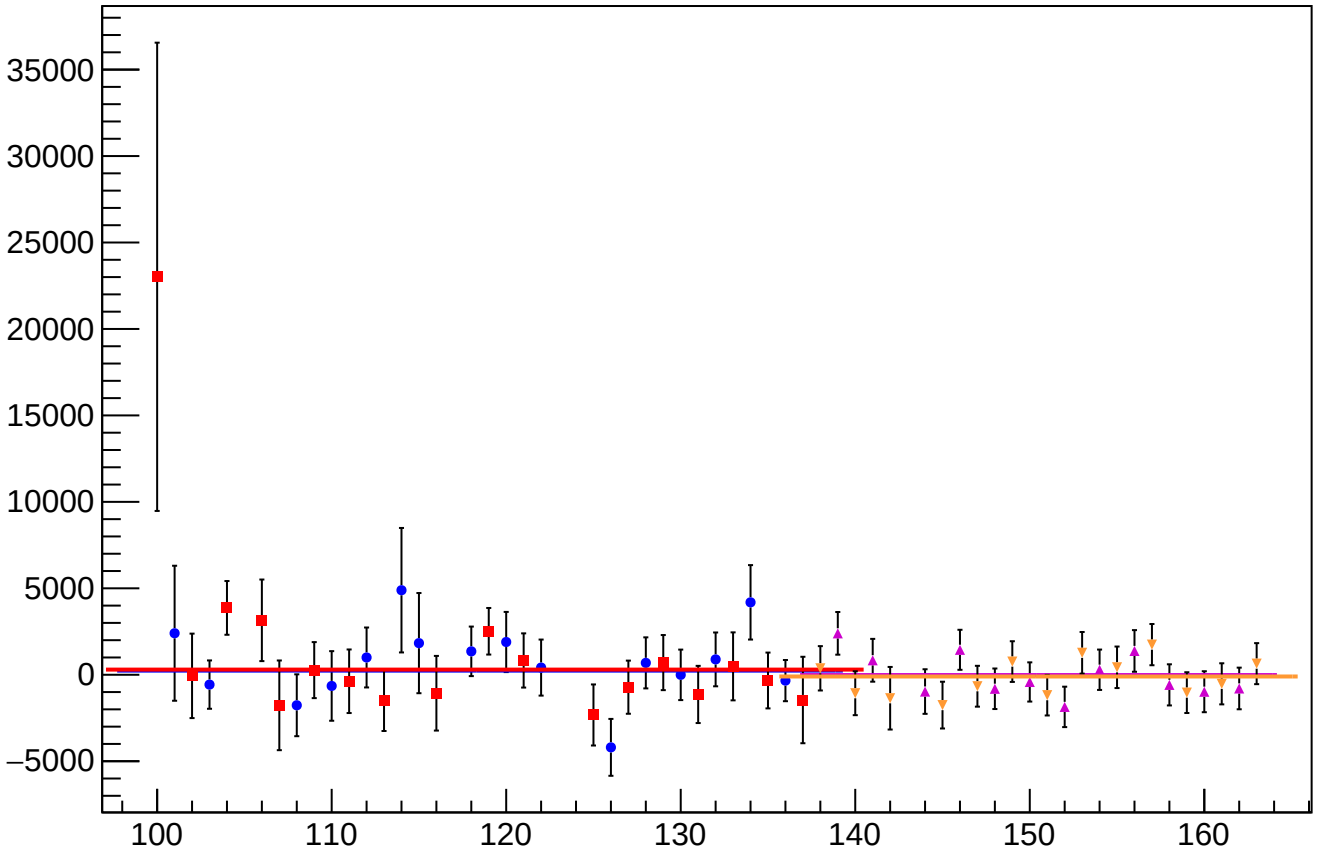
Left: 467.883+/-0.074 χ^2/NDF: 835151.4/24

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 440.962+/-0.077 χ^2/NDF:2370954.0/27

Out: 426.900+/-0.075 χ^2/NDF:2482616.9/30

All: 433.761+/-0.054 χ^2/NDF: 4870533.4/58



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: -99.532+/-343.558 χ^2/NDF:9.3/12

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -18.211+/-344.487 χ^2/NDF:12.2/11

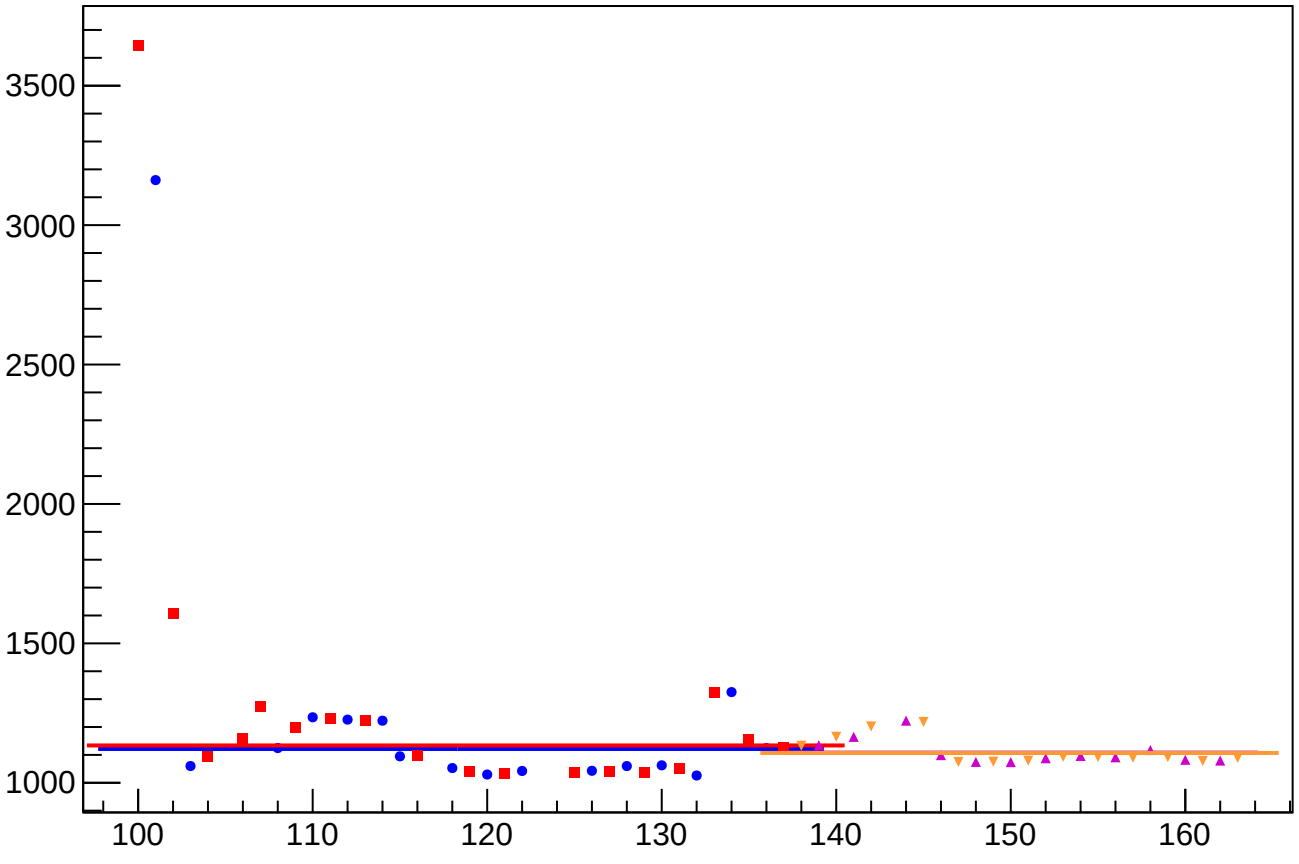
Left: -58.981+/-243.260 χ^2/NDF: 21.6/24

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 84.035+/-268.011 χ^2/NDF:29.4/27

Out: 55.381+/-268.594 χ^2/NDF:28.6/30

All: 69.739+/-189.718 χ^2/NDF: 57.9/58



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1107.037+/-0.243 χ^2/NDF:30941.9/12

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1108.191+/-0.244 χ^2/NDF:27845.2/11

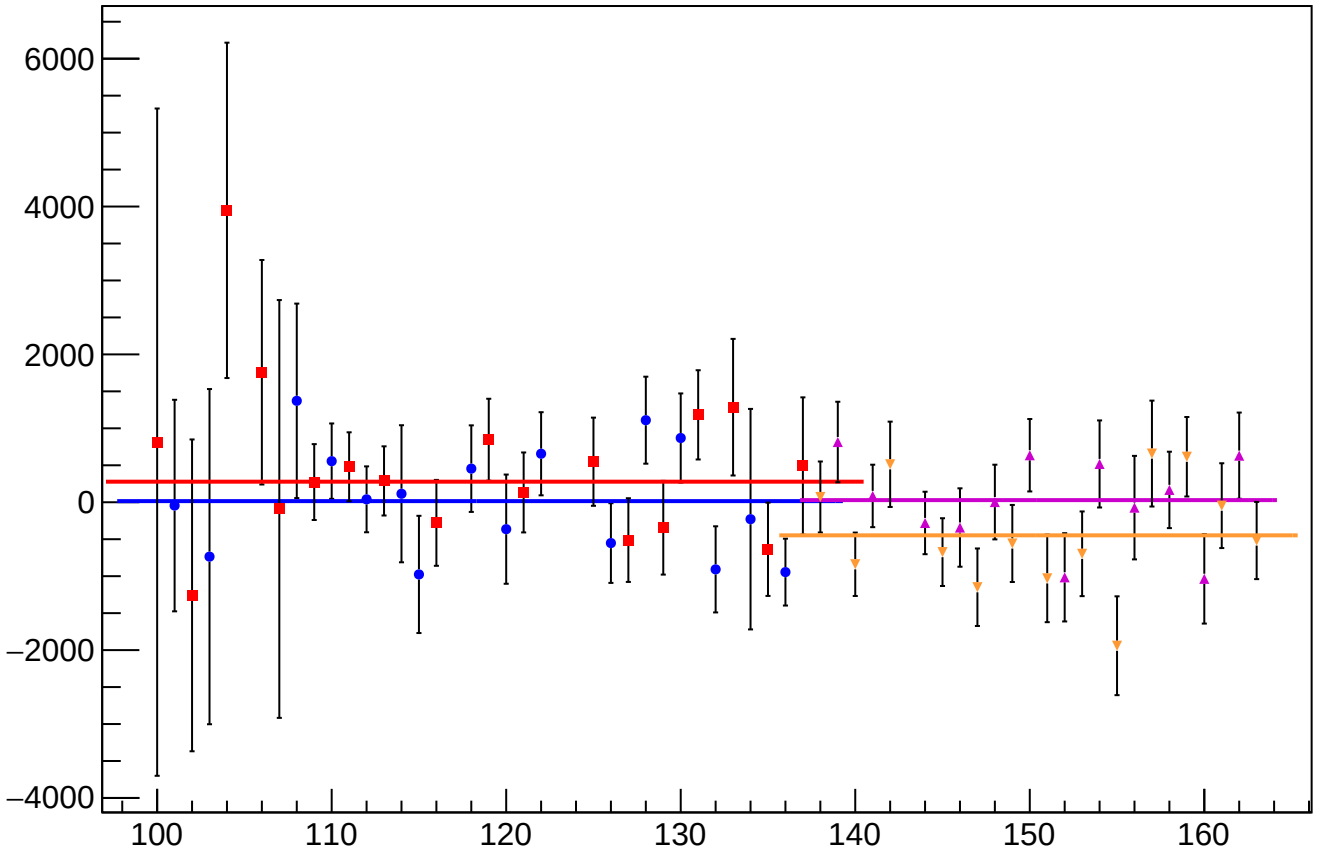
Left: 1107.612+/-0.172 χ^2/NDF: 58798.3/24

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1113.363+/-0.190 χ^2/NDF:646015.7/27

Out: 1117.493+/-0.190 χ^2/NDF:263163.1/30

All: 1115.423+/-0.134 χ^2/NDF: 909415.7/58



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -447.424+/-148.902 χ^2/NDF:19.8/12

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 28.833+/-151.858 χ^2/NDF:12.7/11

Left: -213.975+/-106.319 χ^2/NDF: 37.5/24

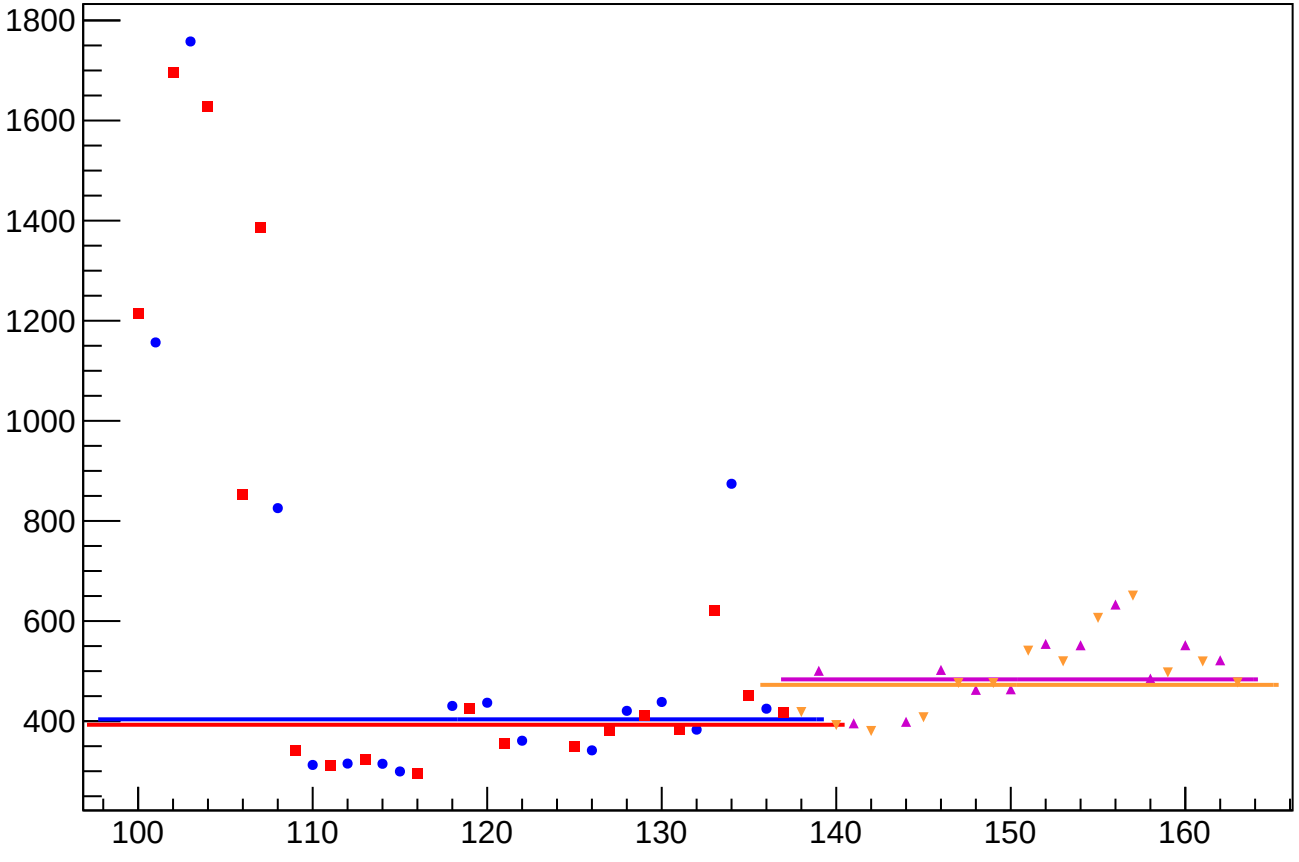
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 22.493+/-110.742 χ^2/NDF:32.3/27

Out: -107.968+/-108.629 χ^2/NDF:46.0/30

All: -43.994+/-77.549 χ^2/NDF: 79.0/58

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: 472.511+/-0.105 χ^2/NDF:448864.7/12

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 483.488+/-0.107 χ^2/NDF:358315.7/11

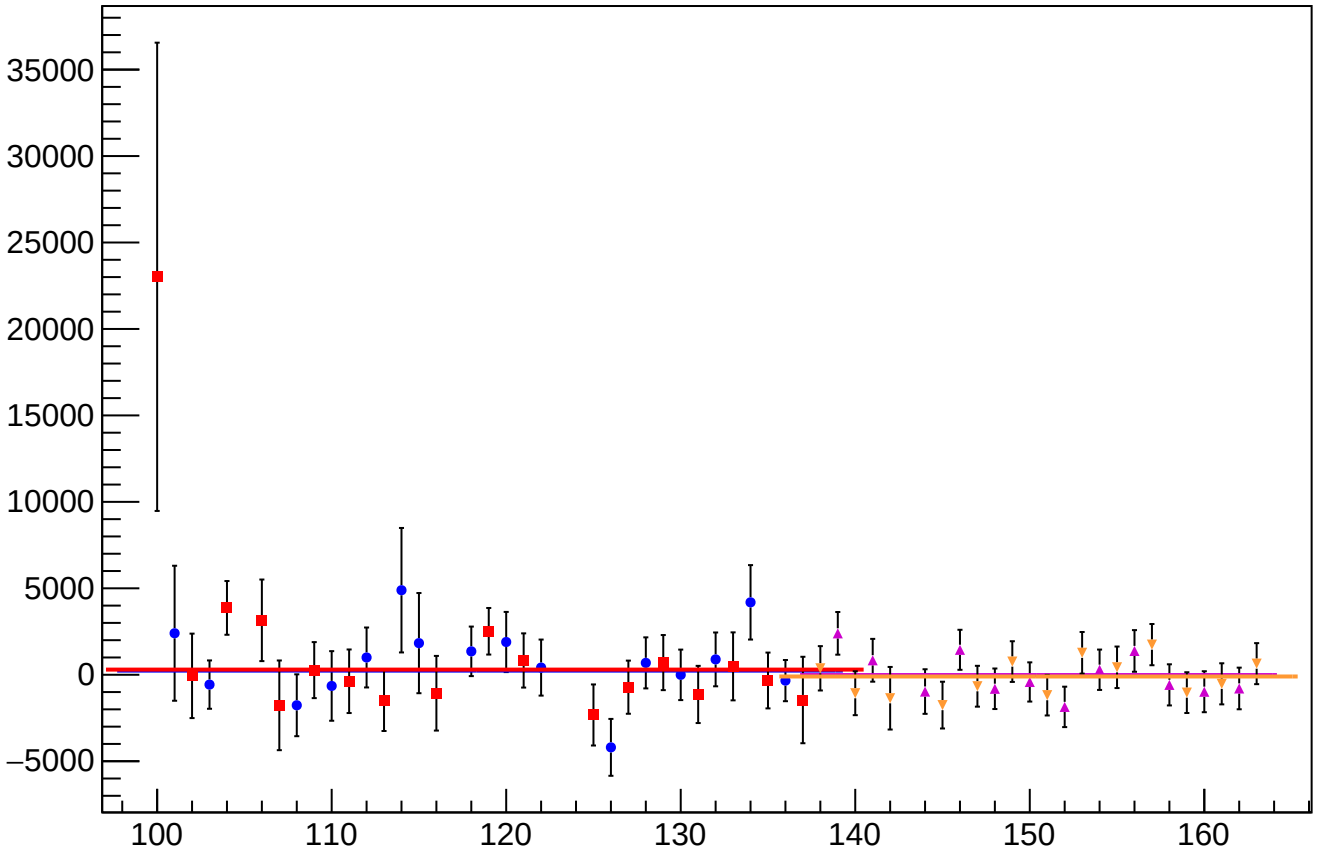
Left: 477.892+/-0.075 χ^2/NDF: 812508.2/24

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.111+/-0.078 χ^2/NDF:2546700.8/27

Out: 435.234+/-0.077 χ^2/NDF:2920291.4/30

All: 440.568+/-0.055 χ^2/NDF: 5476826.1/58



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -99.537+/-343.558 χ^2/NDF:9.3/12

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -18.211+/-344.487 χ^2/NDF:12.2/11

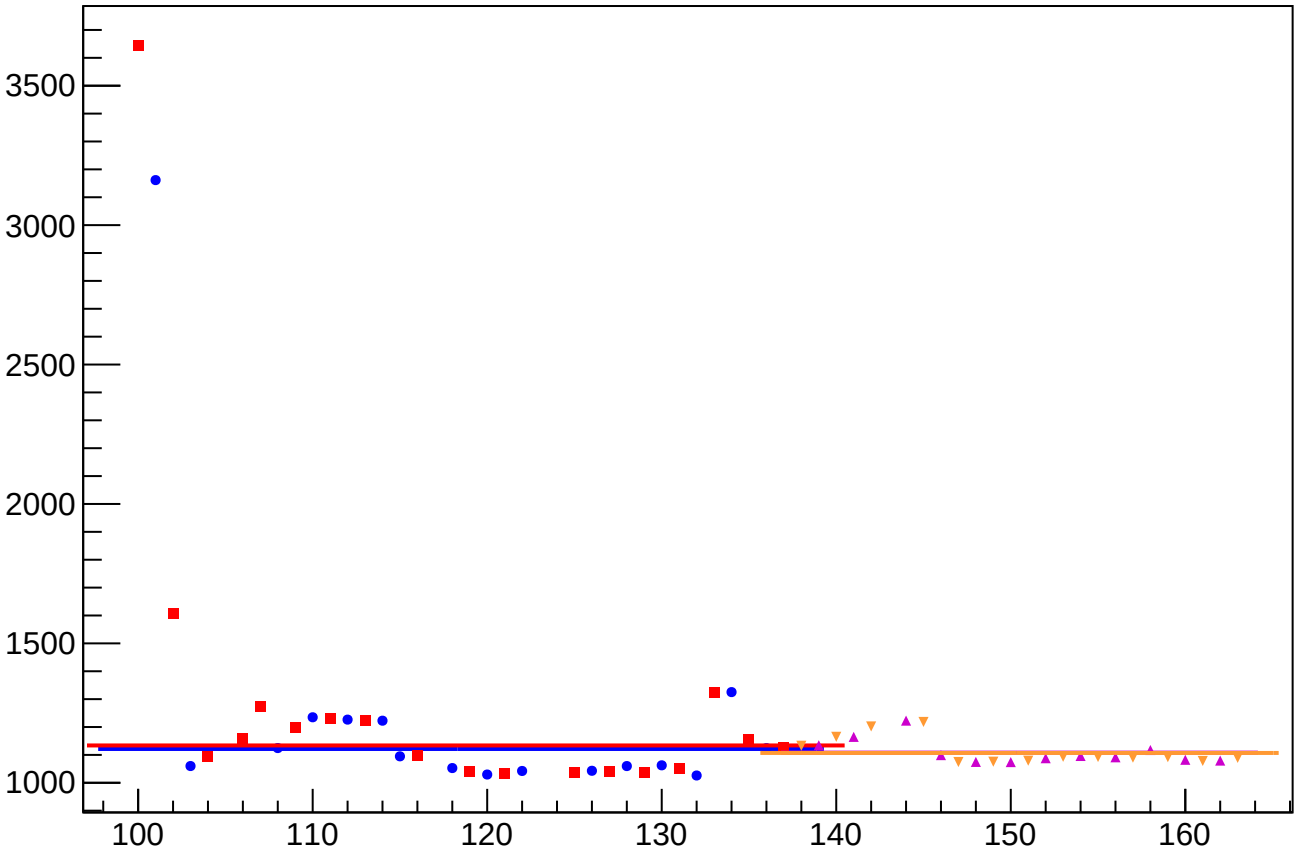
Left: -58.984+/-243.260 χ^2/NDF: 21.6/24

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 84.035+/-268.011 χ^2/NDF:29.4/27

Out: 55.378+/-268.594 χ^2/NDF:28.6/30

All: 69.738+/-189.718 χ^2/NDF: 57.9/58



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1107.037+/-0.243 χ^2/NDF:30942.0/12

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1108.191+/-0.244 χ^2/NDF:27845.2/11

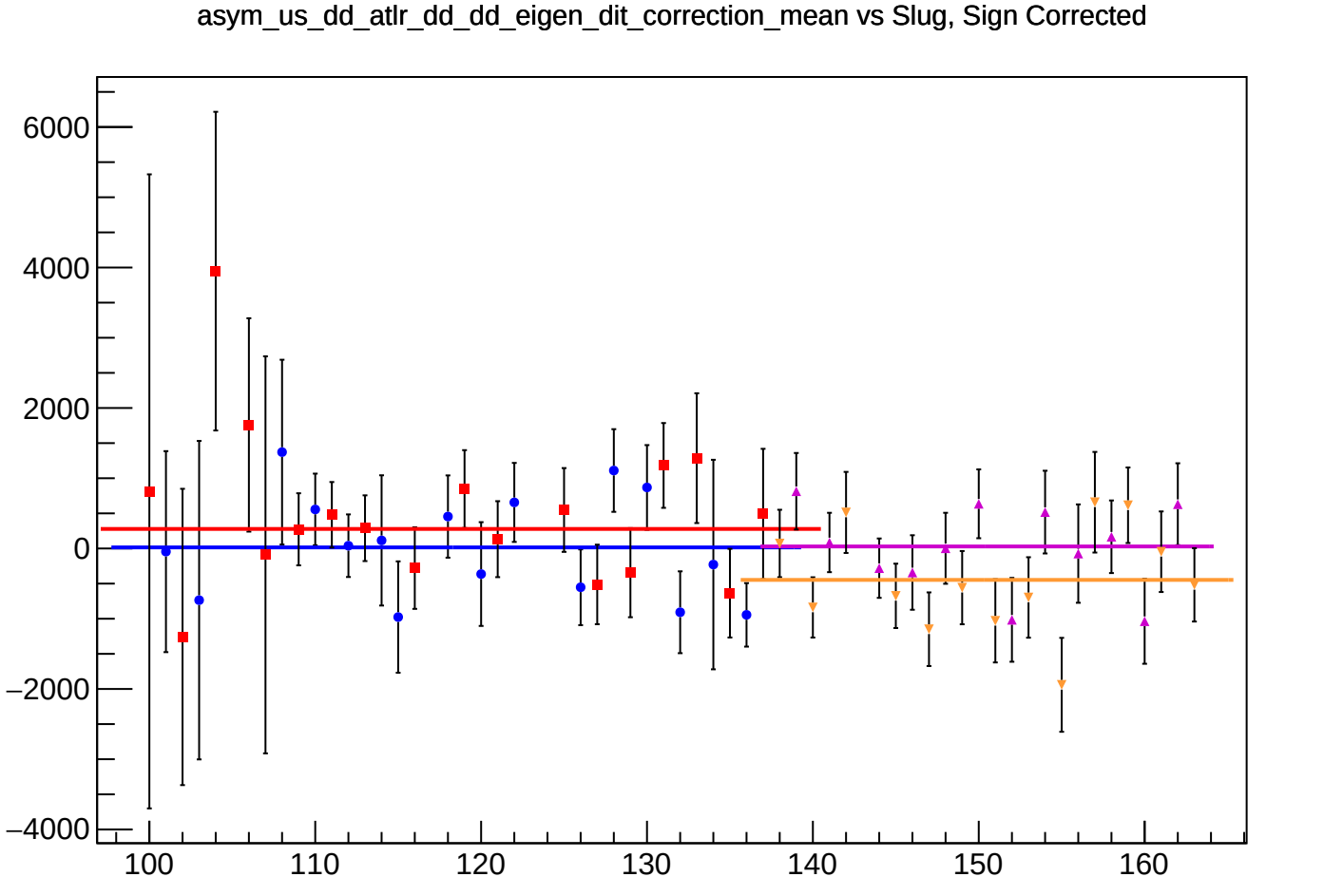
Left: 1107.613+/-0.172 χ^2/NDF: 58798.4/24

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

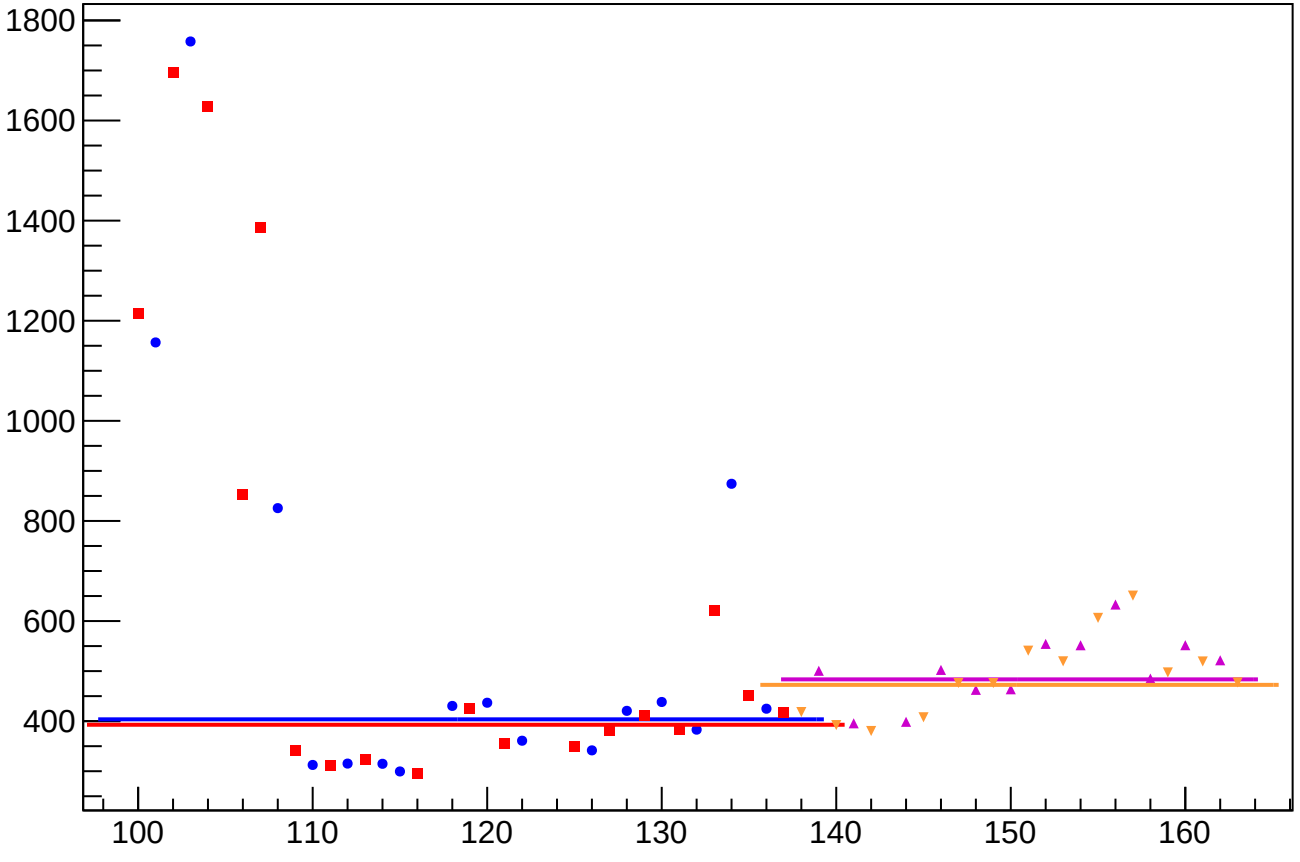
In: 1113.363+/-0.190 χ^2/NDF:646015.7/27

Out: 1117.493+/-0.190 χ^2/NDF:263163.2/30

All: 1115.423+/-0.134 χ^2/NDF: 909415.9/58


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -447.427+/-148.902 χ²/NDF:19.8/12
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 28.834+/-151.858 χ²/NDF:12.7/11
Left: -213.977+/-106.319 χ²/NDF: 37.5/24
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 22.492+/-110.742 χ²/NDF:32.3/27
Out: -107.968+/-108.629 χ²/NDF:46.0/30
All: -43.995+/-77.549 χ²/NDF: 79.0/58

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 472.512+/-0.105 χ^2/NDF:448886.2/12

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 483.490+/-0.107 χ^2/NDF:358323.6/11

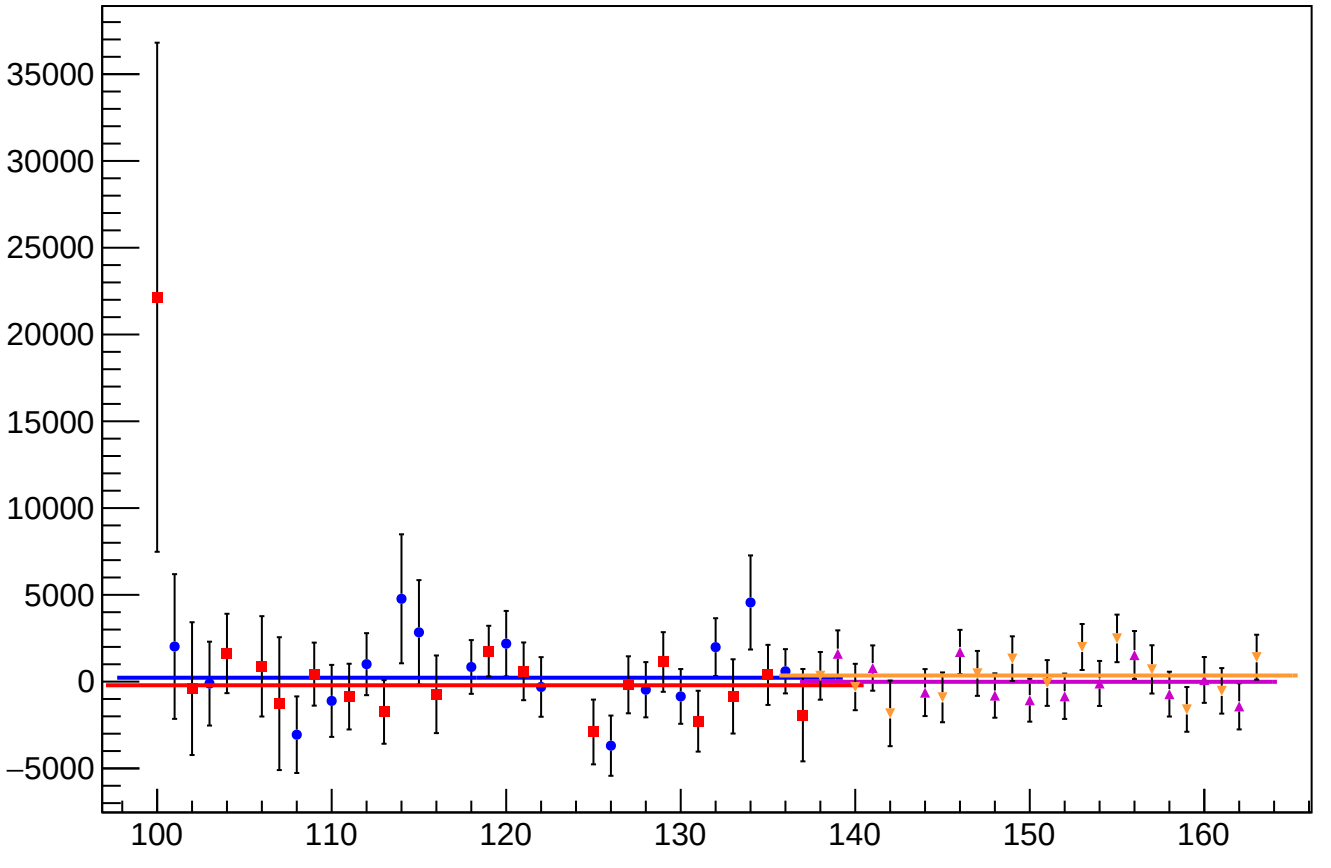
Left: 477.893+/-0.075 χ^2/NDF: 812539.0/24

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.110+/-0.078 χ^2/NDF:2546736.4/27

Out: 435.232+/-0.077 χ^2/NDF:2920344.9/30

All: 440.566+/-0.055 χ^2/NDF: 5476916.6/58



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 353.412+/-377.224 χ^2/NDF:10.5/12

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -11.526+/-377.741 χ^2/NDF:8.0/11

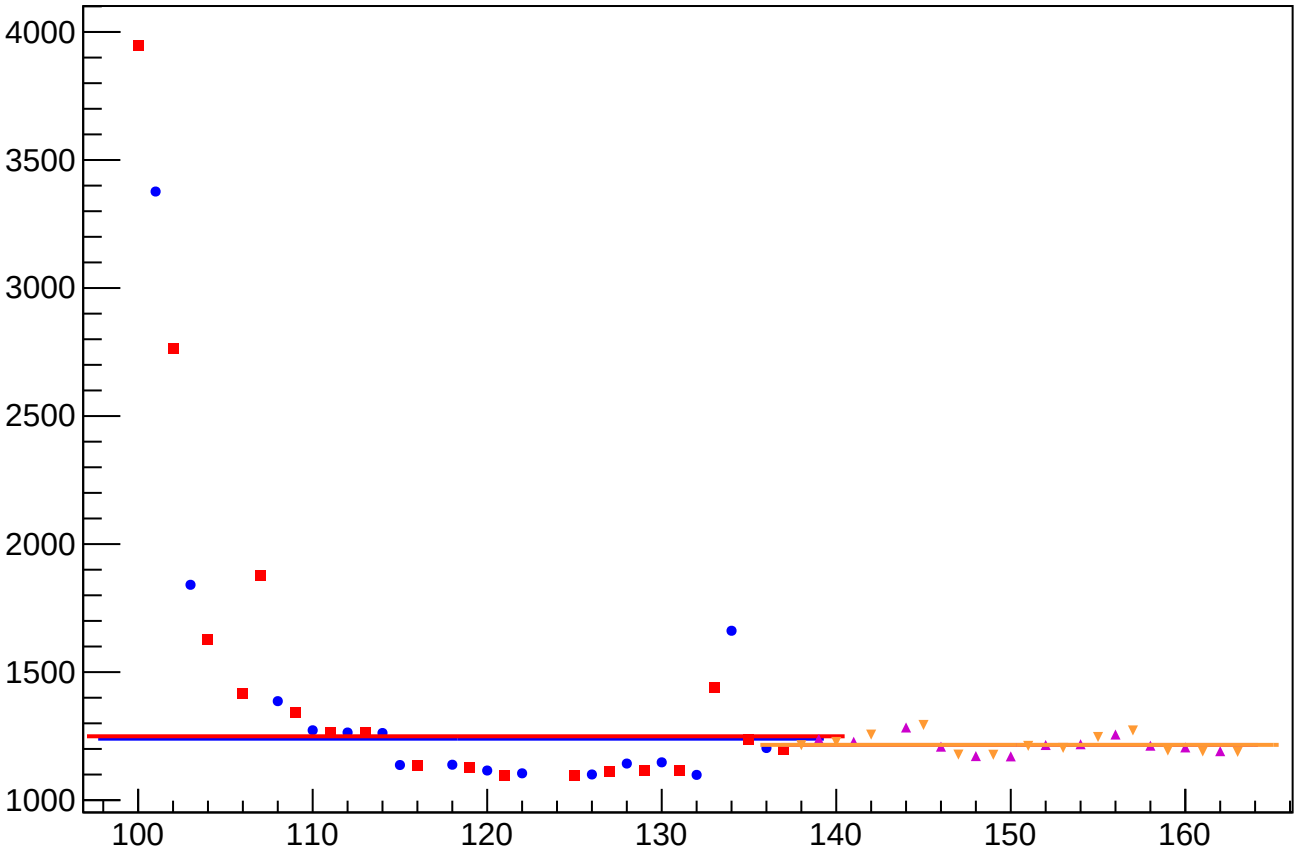
Left: 171.193+/-266.920 χ^2/NDF: 19.0/24

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 80.140+/-295.544 χ^2/NDF:24.3/27

Out: 137.183+/-296.077 χ^2/NDF:22.3/30

All: 108.610+/-209.169 χ^2/NDF: 46.6/58



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1215.925+/-0.267 χ^2/NDF:17158.6/12

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.542+/-0.267 χ^2/NDF:13344.4/11

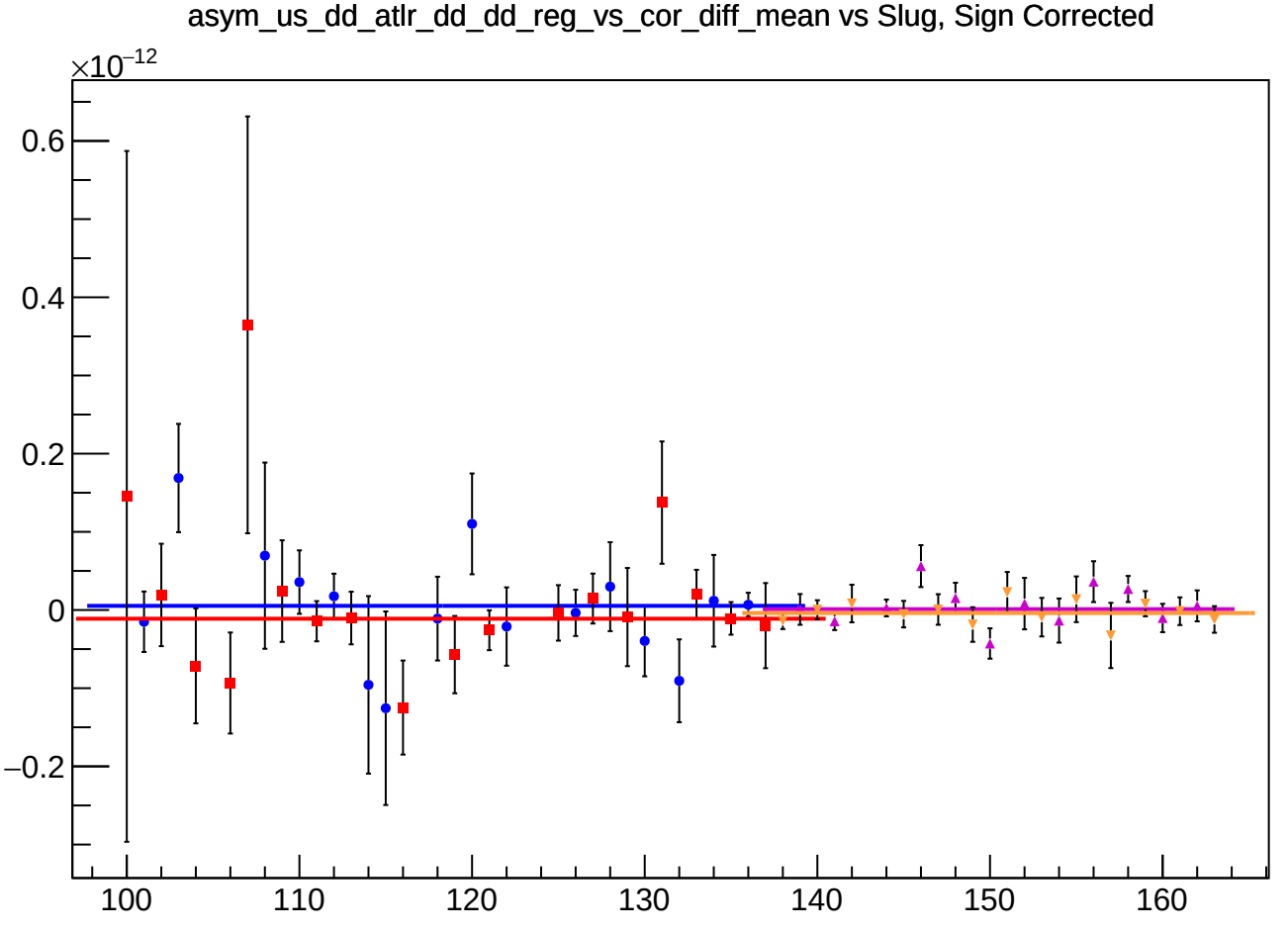
Left: 1215.733+/-0.189 χ^2/NDF: 30504.1/24

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1225.082+/-0.209 χ^2/NDF:799313.5/27

Out: 1228.782+/-0.209 χ^2/NDF:629308.9/30

All: 1226.929+/-0.148 χ^2/NDF: 1428778.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.5/12

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

Left In: 0.000+/-0.000 χ^2/NDF:16.7/11

Left: -0.000+/-0.000 χ^2/NDF: 21.7/24

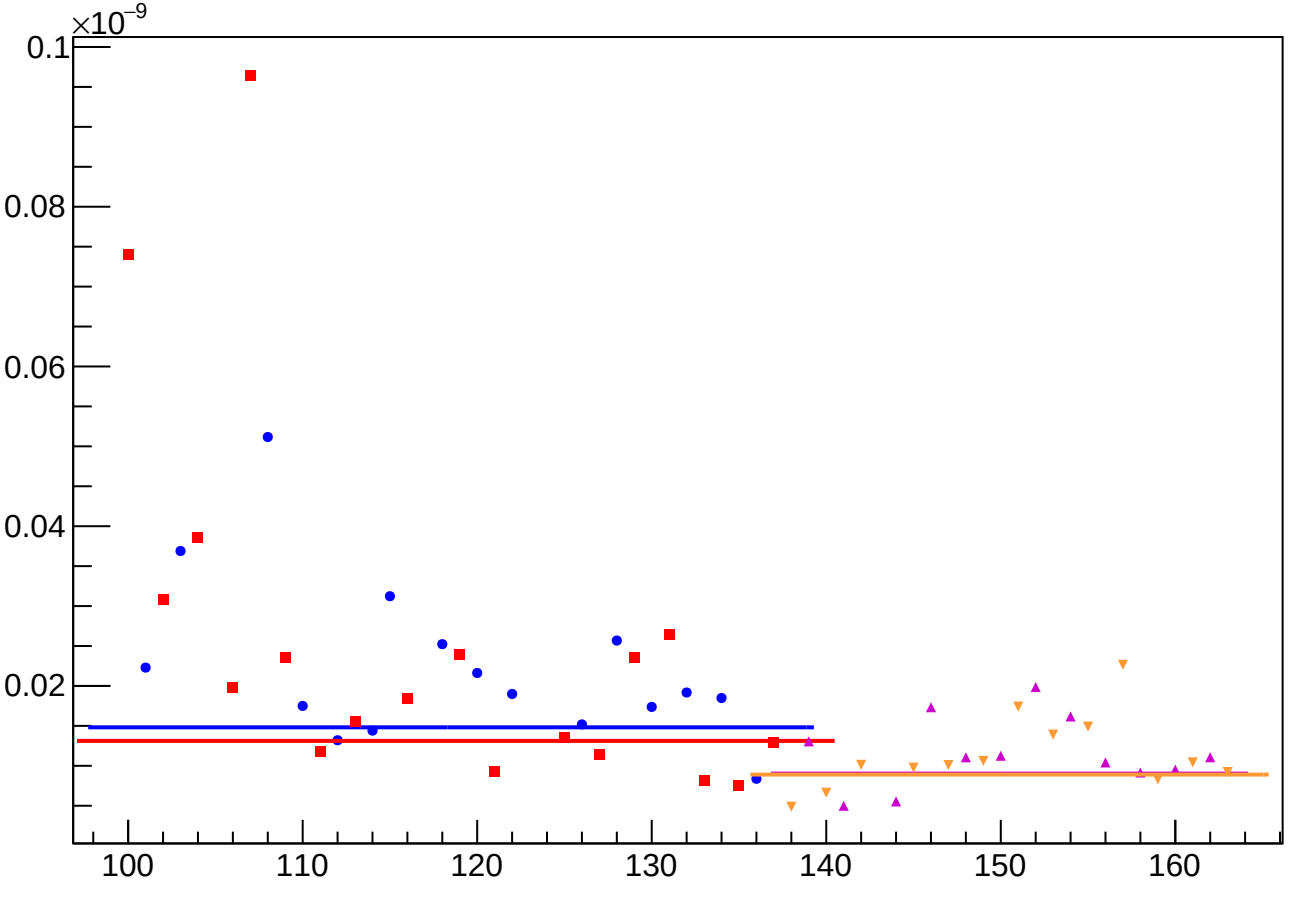
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:33.2/27

Out: -0.000+/-0.000 χ^2/NDF:20.0/30

All: -0.000+/-0.000 χ^2/NDF: 54.6/58

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:1002372.1/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1160923.3/11

Left: 0.000+/-0.000 χ^2/NDF: 2163912.1/24

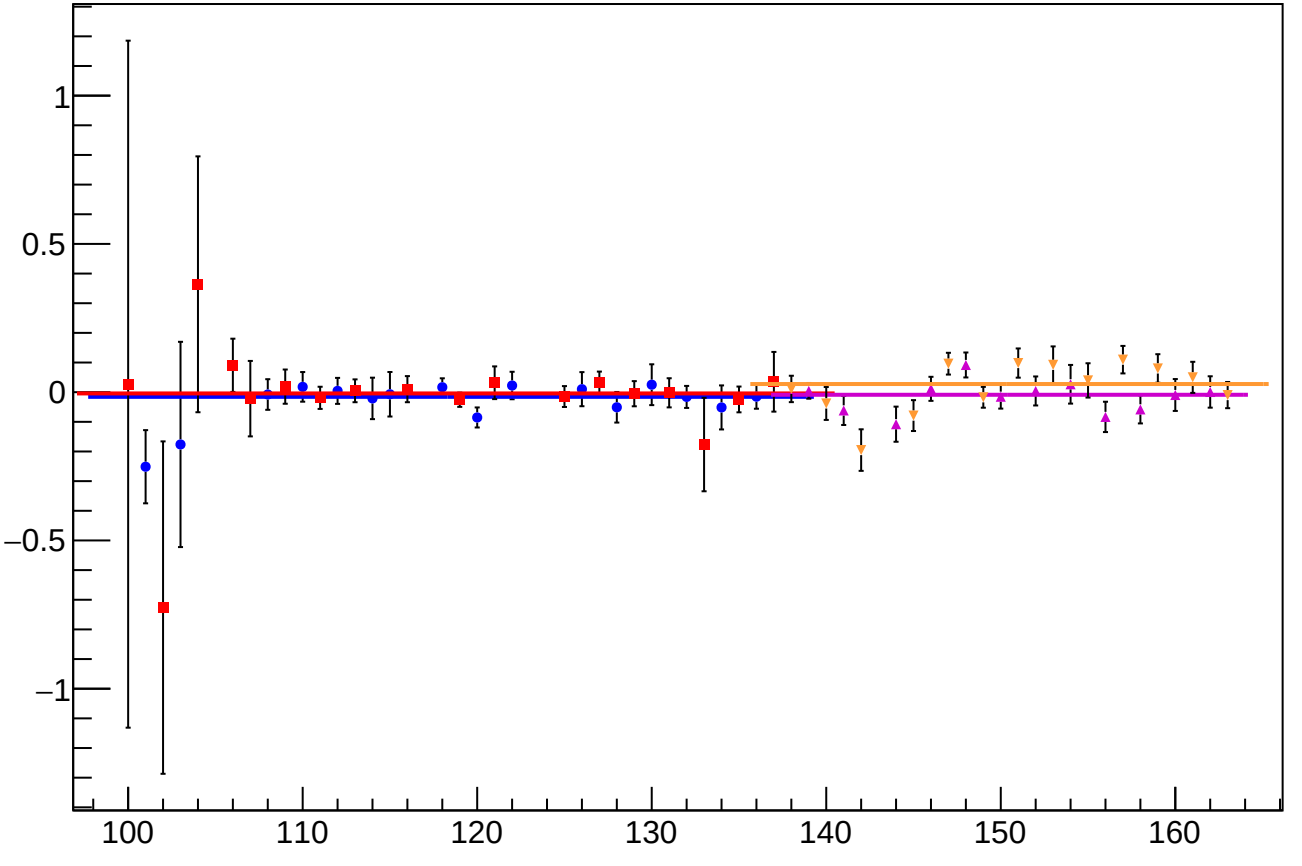
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2804868.5/27

Out: 0.000+/-0.000 χ^2/NDF:2500771.4/30

All: 0.000+/-0.000 χ^2/NDF: 5316746.4/58

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.4/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/11

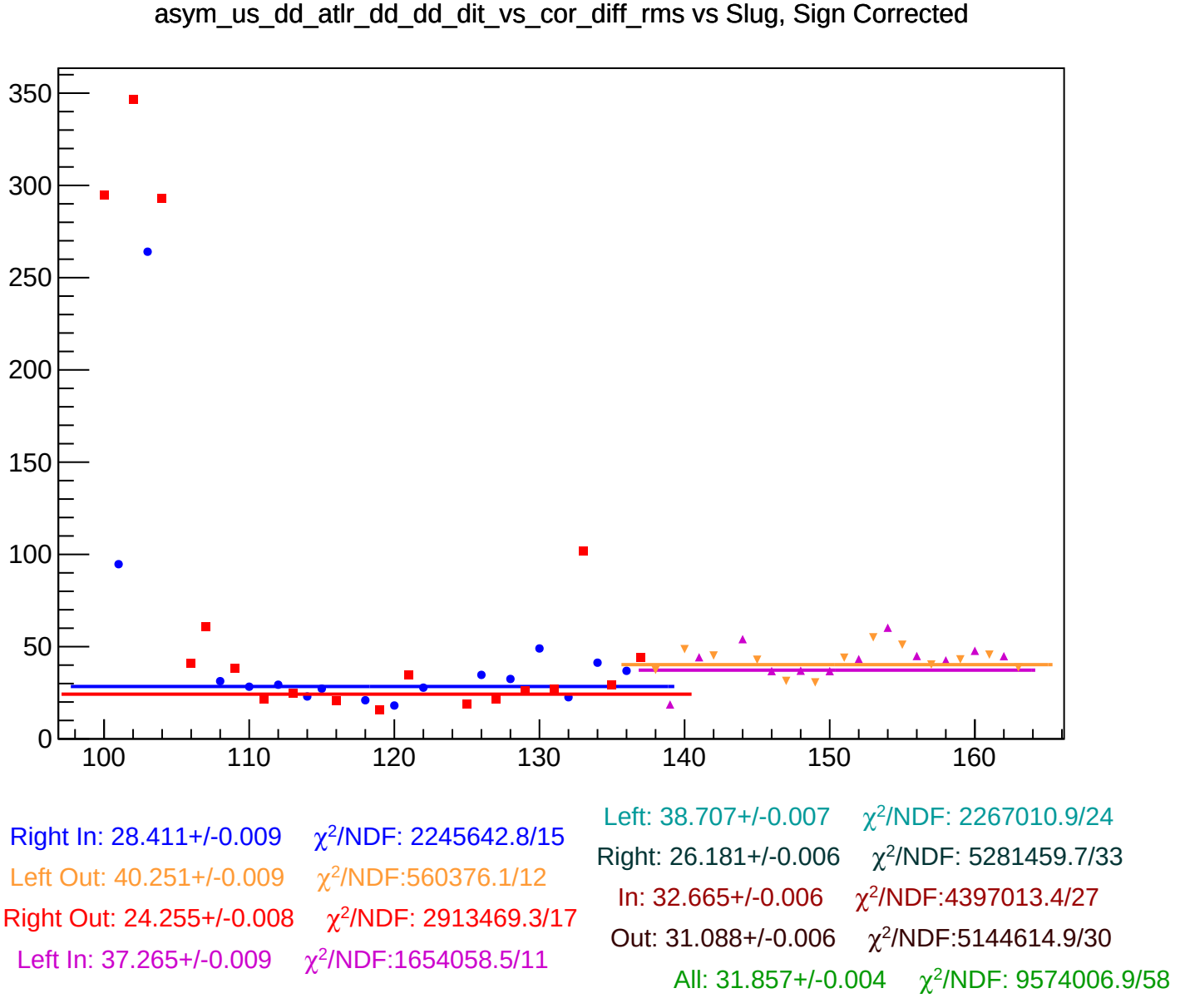
Left: 0.009+/-0.009 χ^2/NDF: 47.0/24

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

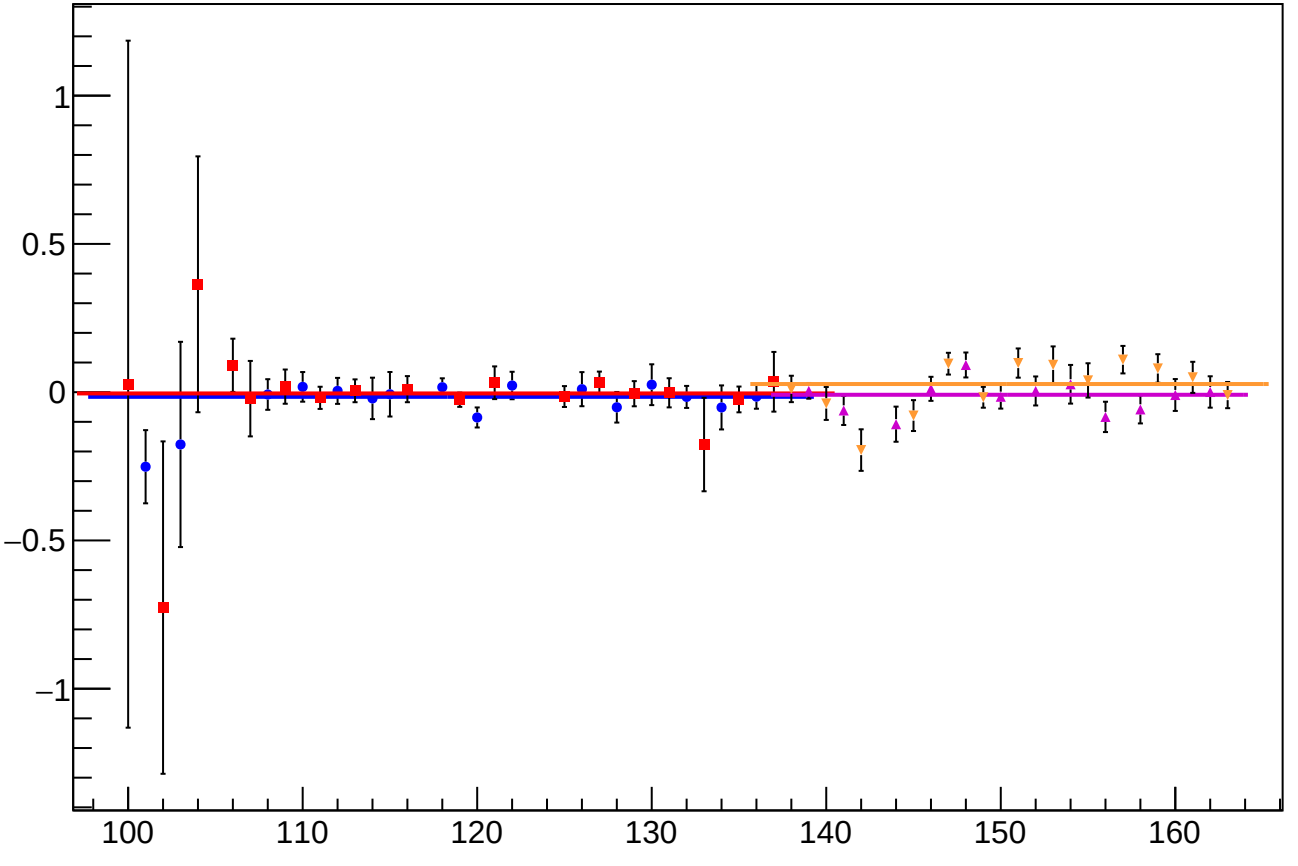
In: -0.012+/-0.009 χ^2/NDF:25.9/27

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.001+/-0.006 χ^2/NDF: 69.4/58


asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
350
300
250
200
150
100
50
0
100
110
120
130
140
150
160
Right In: 28.411+/-0.009 χ²/NDF: 2245642.8/15
Left Out: 40.251+/-0.009 χ²/NDF:560376.1/12
Right Out: 24.255+/-0.008 χ²/NDF: 2913469.3/17
Left In: 37.265+/-0.009 χ²/NDF:1654058.5/11
Left: 38.707+/-0.007 χ²/NDF: 2267010.9/24
Right: 26.181+/-0.006 χ²/NDF: 5281459.7/33
In: 32.665+/-0.006 χ²/NDF:4397013.4/27
Out: 31.088+/-0.006 χ²/NDF:5144614.9/30
All: 31.857+/-0.004 χ²/NDF: 9574006.9/58

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.4/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/11

Left: 0.009+/-0.009 χ^2/NDF: 47.0/24

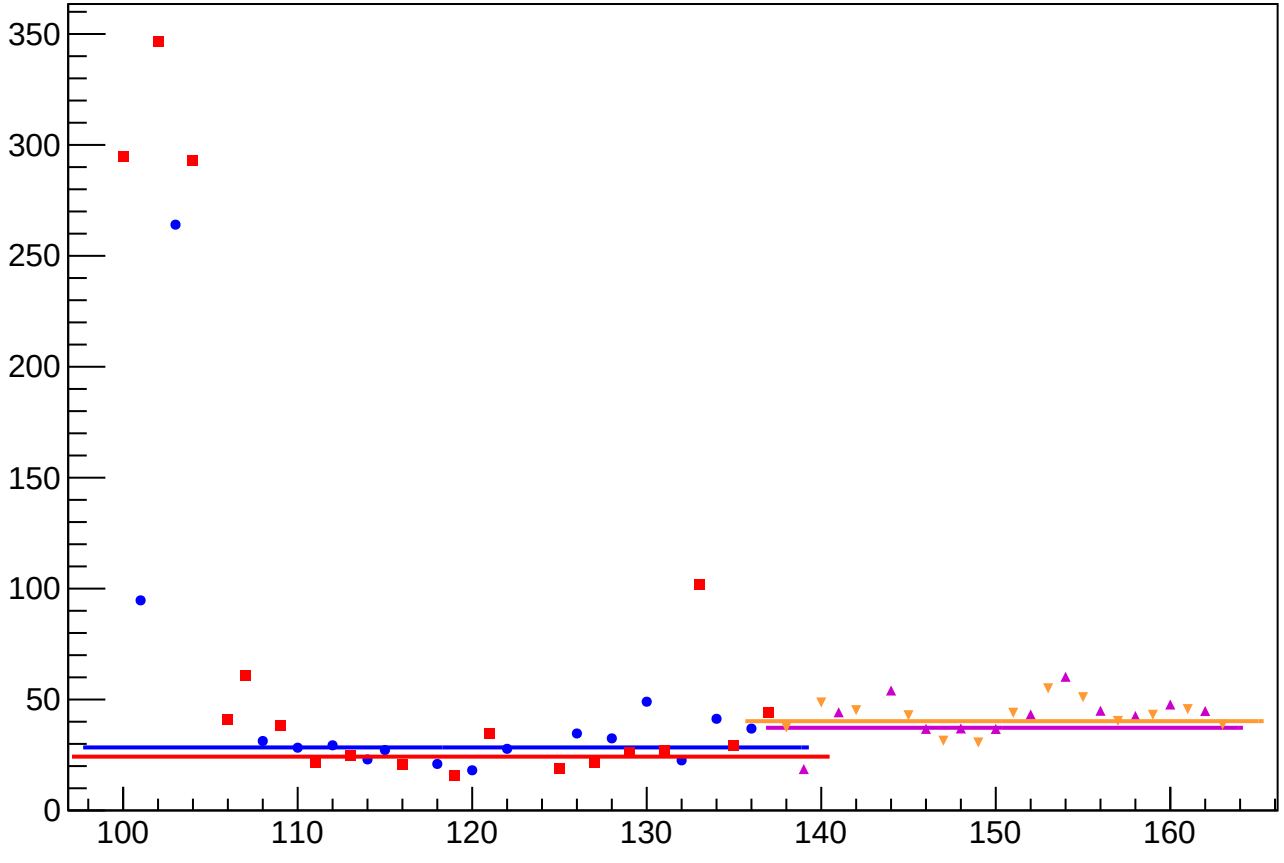
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.009 χ^2/NDF:25.9/27

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.001+/-0.006 χ^2/NDF: 69.4/58

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 40.251+/-0.009 χ^2/NDF:560376.1/12

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 37.265+/-0.009 χ^2/NDF:1654058.5/11

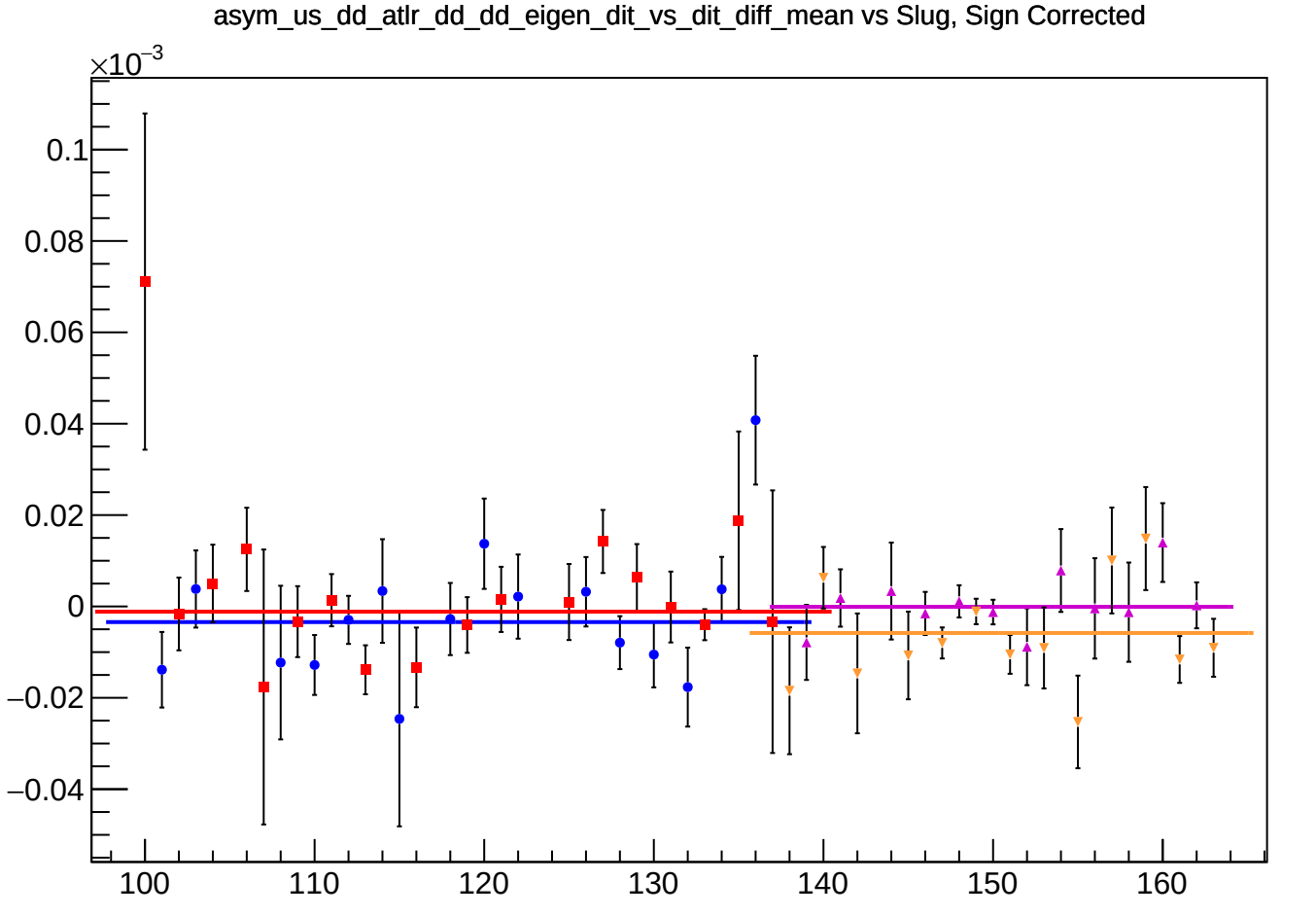
Left: 38.707+/-0.007 χ^2/NDF: 2267010.9/24

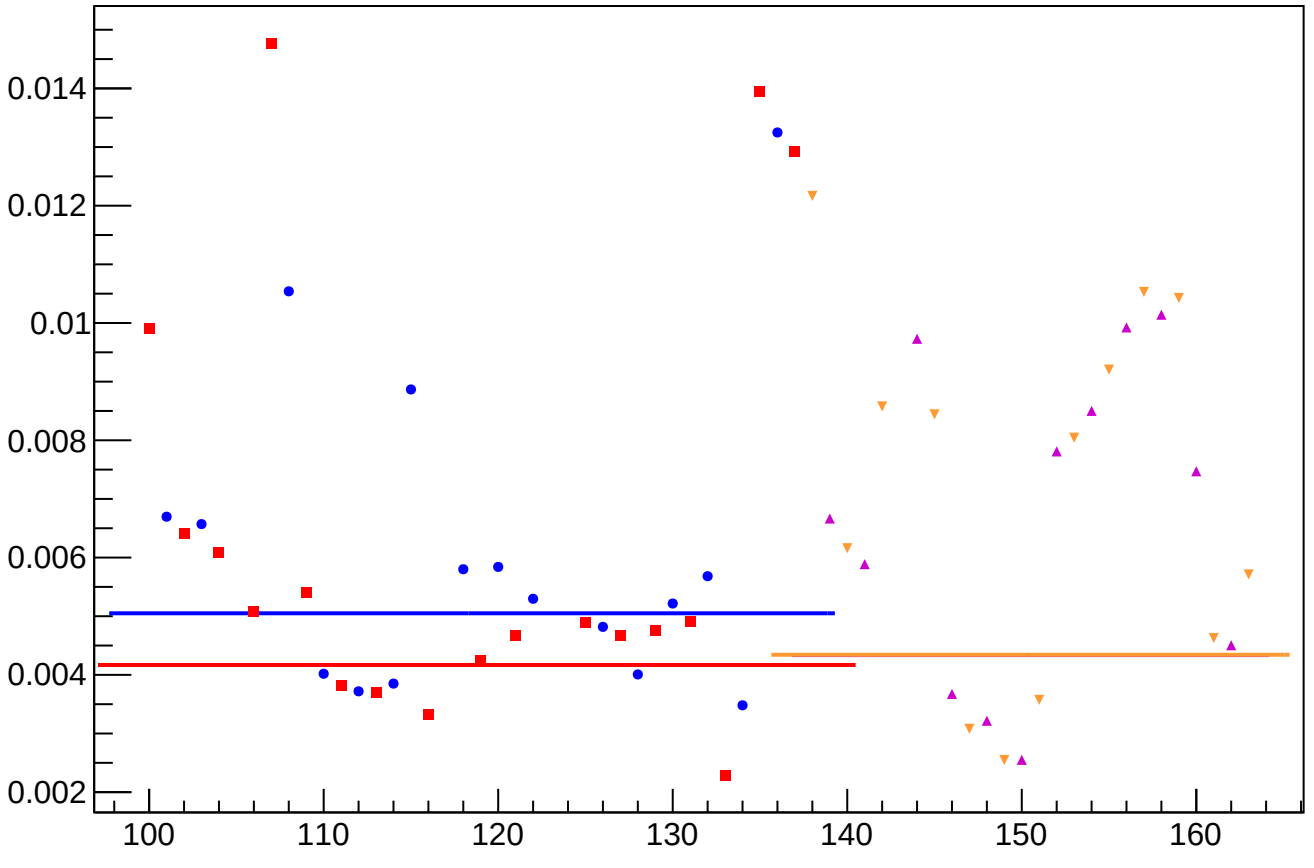
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.665+/-0.006 χ^2/NDF:4397013.4/27

Out: 31.088+/-0.006 χ^2/NDF:5144614.9/30

All: 31.857+/-0.004 χ^2/NDF: 9574006.9/58


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:19.9/12
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:6.0/11
Left: -0.000+/-0.000 χ²/NDF: 32.6/24
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:32.8/27
Out: -0.000+/-0.000 χ²/NDF:47.0/30
All: -0.000+/-0.000 χ²/NDF: 81.7/58



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:4583522.6/12

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:4036560.8/11

Left: 0.004+/-0.000 χ^2/NDF: 8620096.6/24

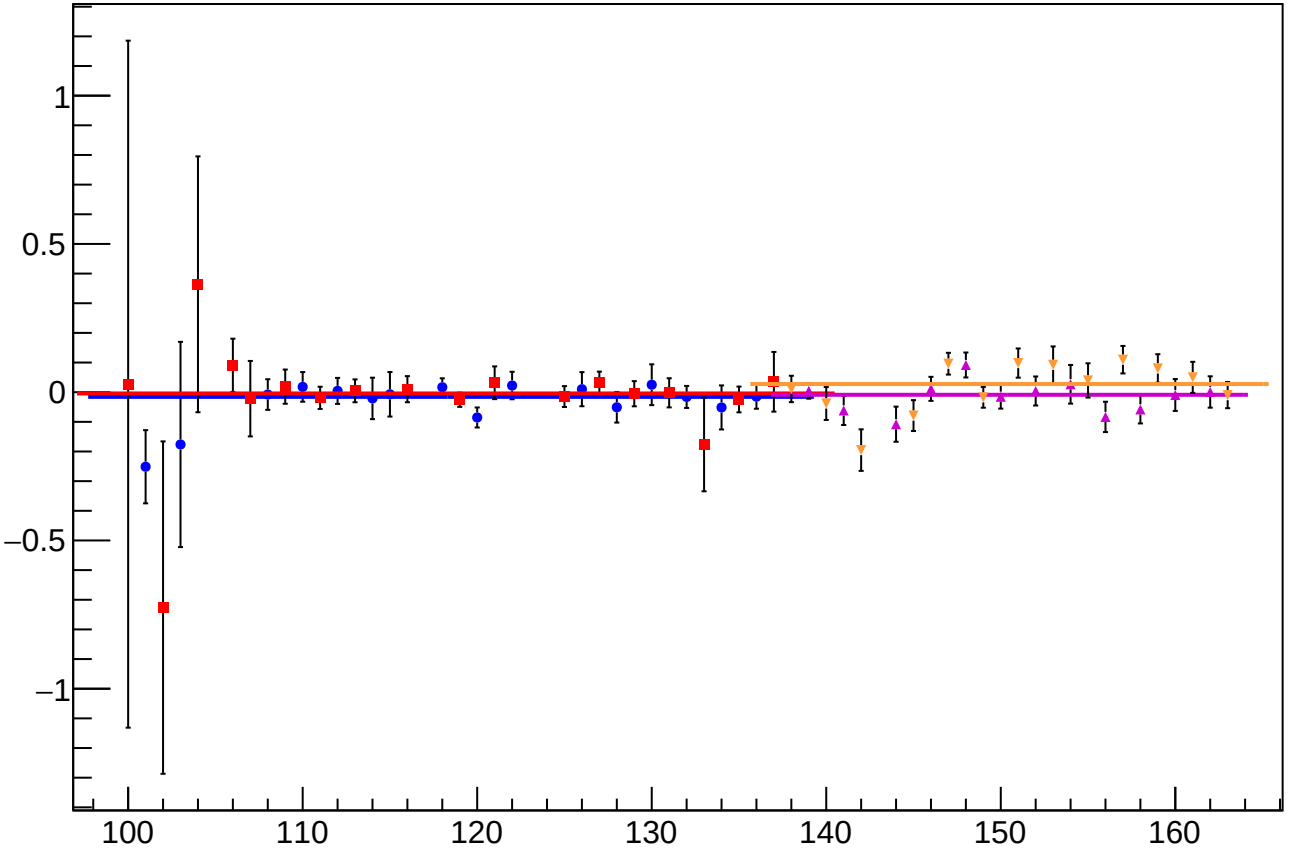
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.005+/-0.000 χ^2/NDF:5685958.4/27

Out: 0.004+/-0.000 χ^2/NDF:6636973.2/30

All: 0.004+/-0.000 χ^2/NDF: 12404312.7/58

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.3/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/11

Left: 0.009+/-0.009 χ^2/NDF: 47.0/24

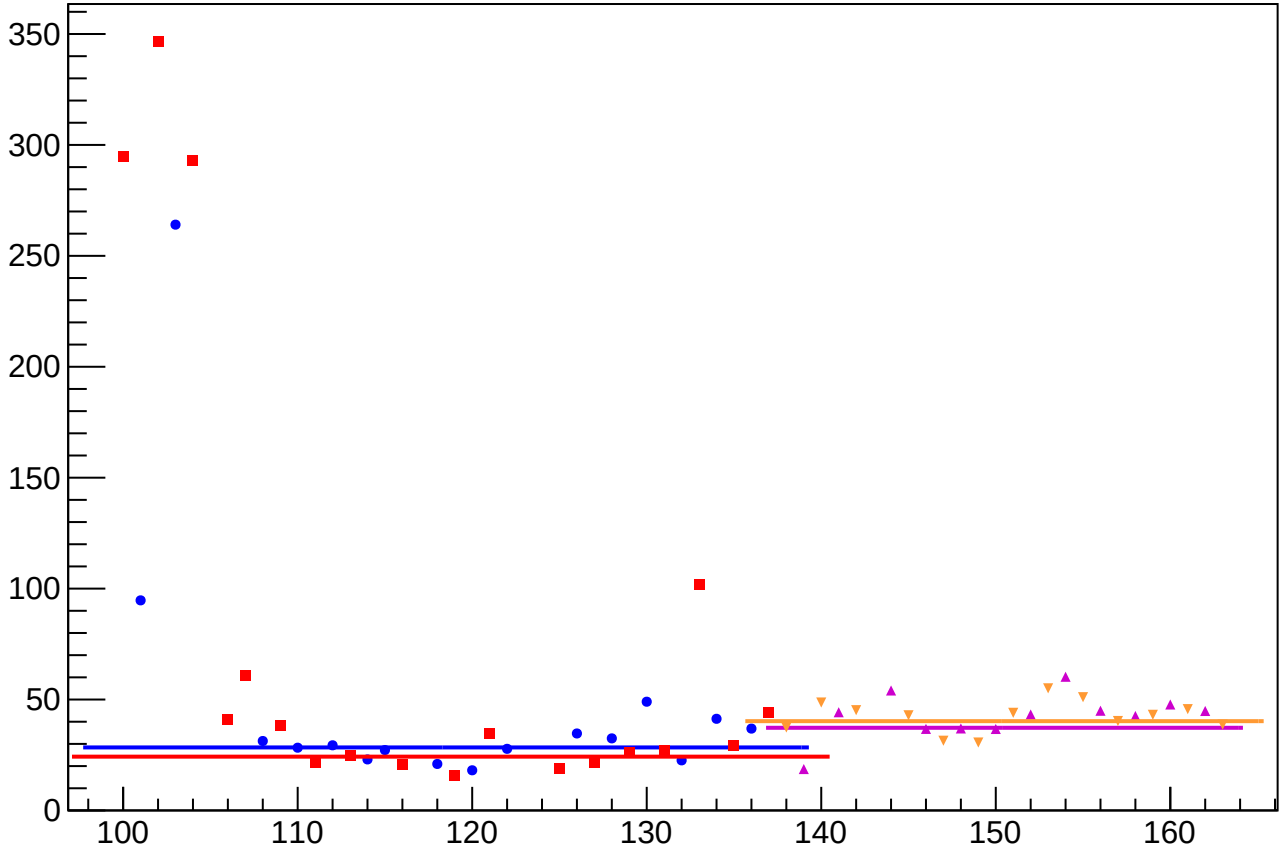
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.009 χ^2/NDF:25.9/27

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.001+/-0.006 χ^2/NDF: 69.4/58

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: 40.250+/-0.009 χ^2/NDF:560652.8/12

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 37.263+/-0.009 χ^2/NDF:1654766.4/11

Left: 38.706+/-0.007 χ^2/NDF: 2268018.7/24

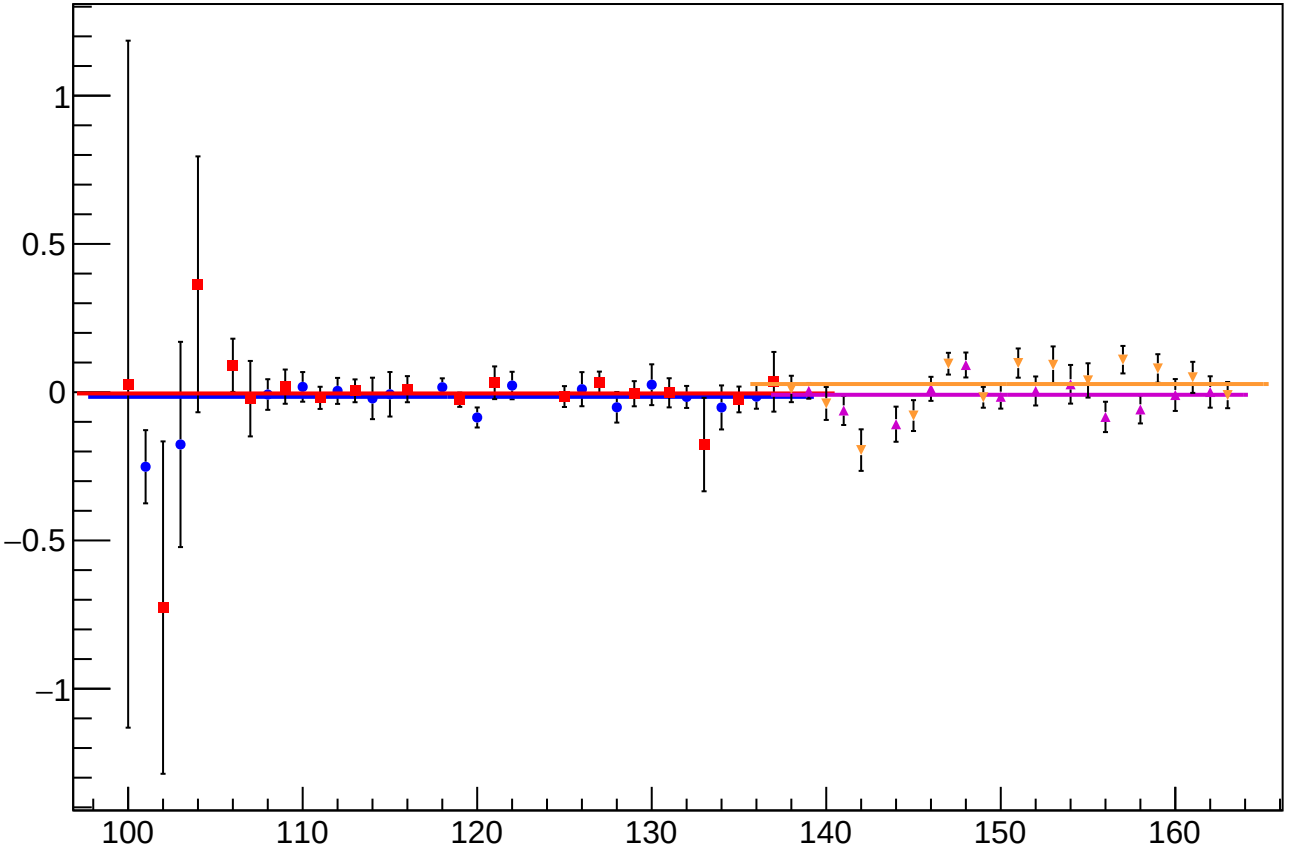
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.664+/-0.006 χ^2/NDF:4397596.6/27

Out: 31.086+/-0.006 χ^2/NDF:5145376.6/30

All: 31.856+/-0.004 χ^2/NDF: 9575390.0/58

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.027+/-0.013 χ^2/NDF:29.3/12

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.009+/-0.013 χ^2/NDF:13.8/11

Left: 0.009+/-0.009 χ^2/NDF: 47.0/24

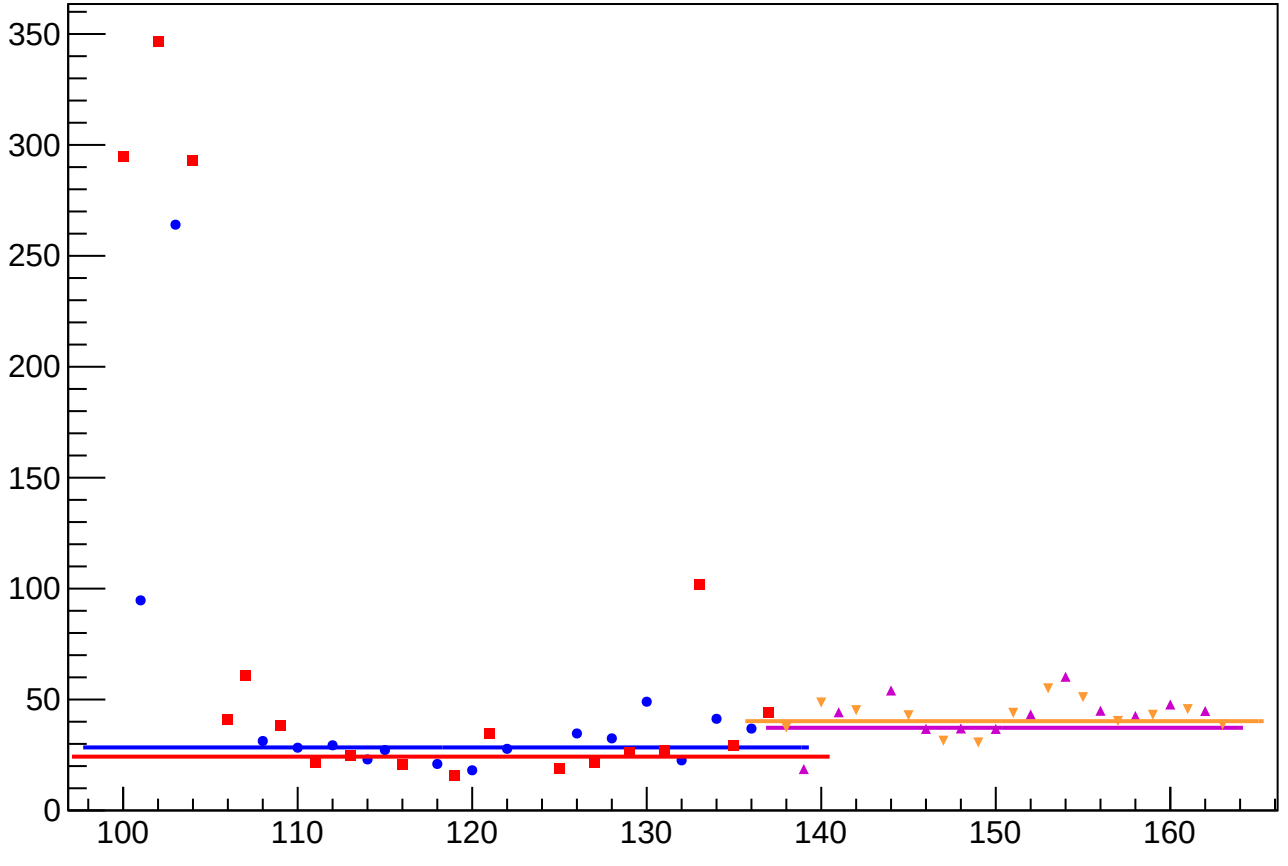
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.012+/-0.009 χ^2/NDF:25.9/27

Out: 0.009+/-0.009 χ^2/NDF:40.5/30

All: -0.001+/-0.006 χ^2/NDF: 69.4/58

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: 40.250+/-0.009 χ^2/NDF:560652.8/12

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 37.263+/-0.009 χ^2/NDF:1654766.4/11

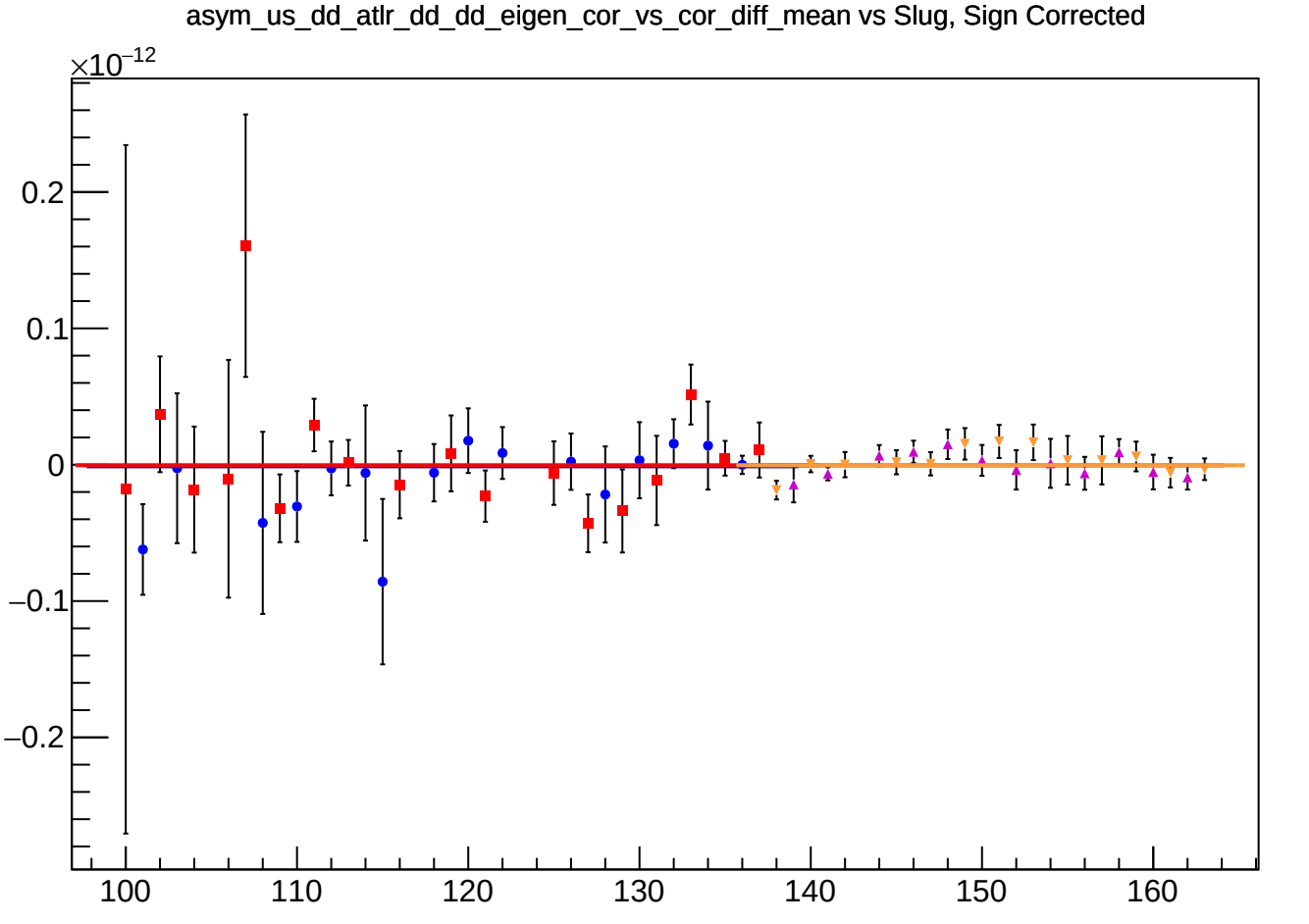
Left: 38.706+/-0.007 χ^2/NDF: 2268018.7/24

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.664+/-0.006 χ^2/NDF:4397596.6/27

Out: 31.086+/-0.006 χ^2/NDF:5145376.6/30

All: 31.856+/-0.004 χ^2/NDF: 9575390.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/12

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:9.7/11

Left: -0.000+/-0.000 χ^2/NDF: 23.3/24

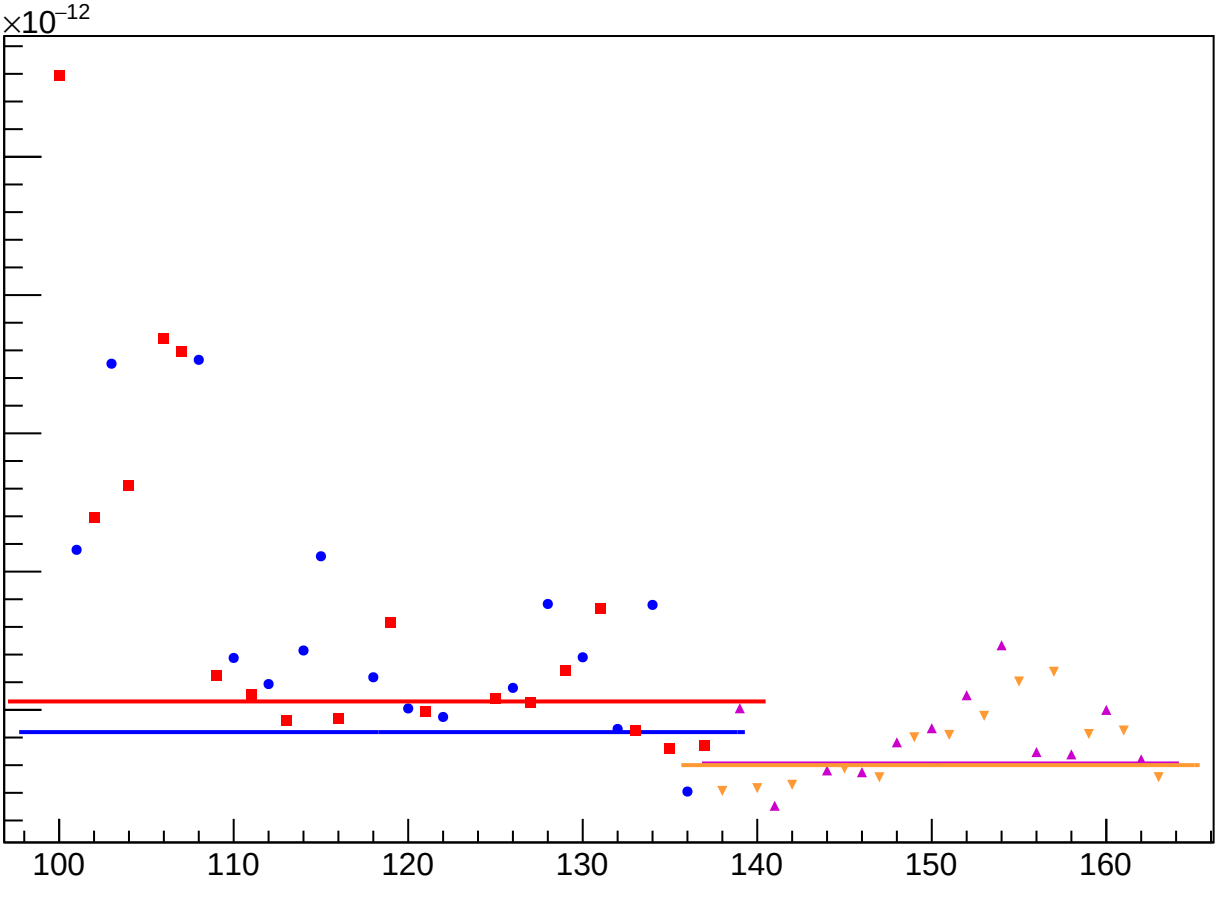
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:19.1/27

Out: -0.000+/-0.000 χ^2/NDF:34.7/30

All: -0.000+/-0.000 χ^2/NDF: 53.8/58

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:1385609.8/12

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2031904.2/11

Left: 0.000+/-0.000 χ^2/NDF: 3419565.3/24

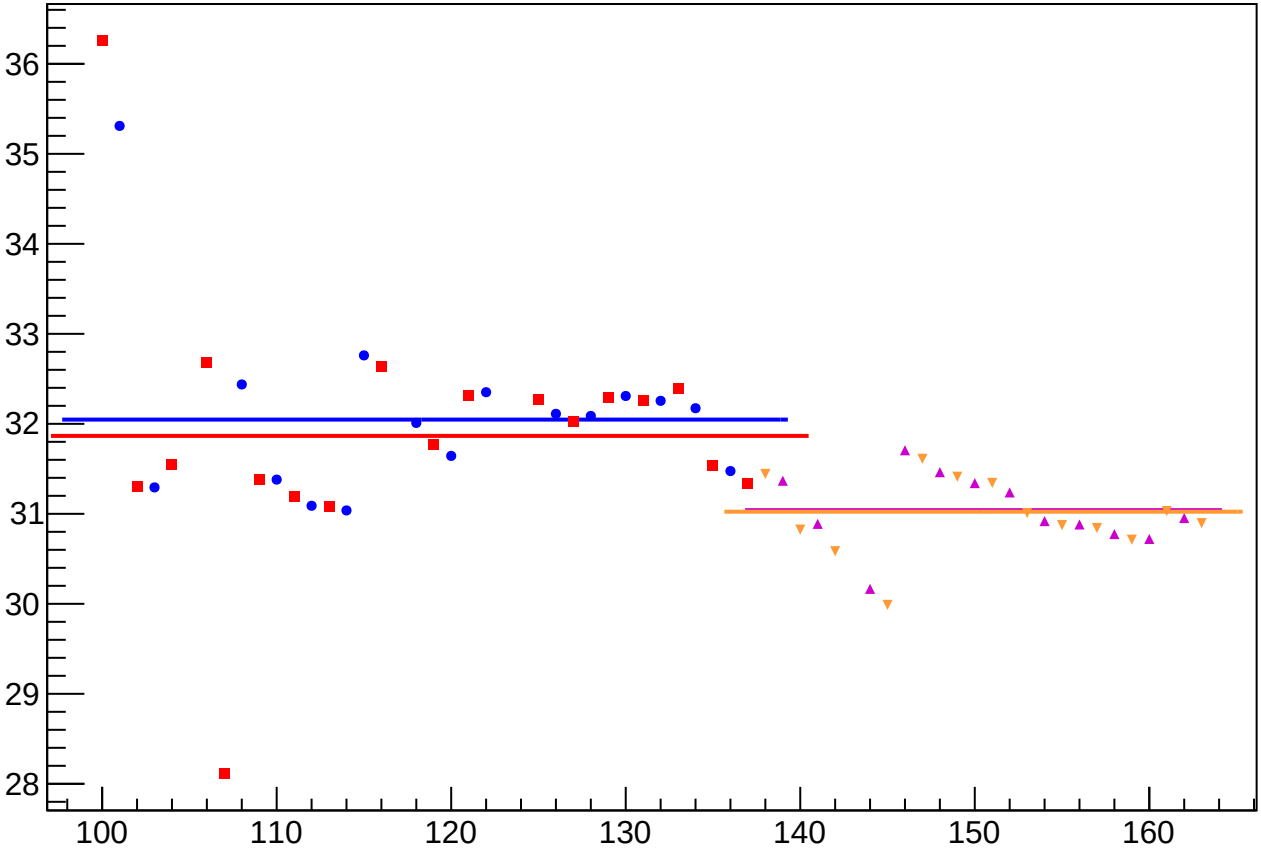
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5085665.6/27

Out: 0.000+/-0.000 χ^2/NDF:3725129.5/30

All: 0.000+/-0.000 χ^2/NDF: 8815505.8/58

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.023+/-0.000 χ^2/NDF:216667269.5/12

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.041+/-0.000 χ^2/NDF:220026277.8/11

Left: 31.032+/-0.000 χ^2/NDF: 436923000.5/24

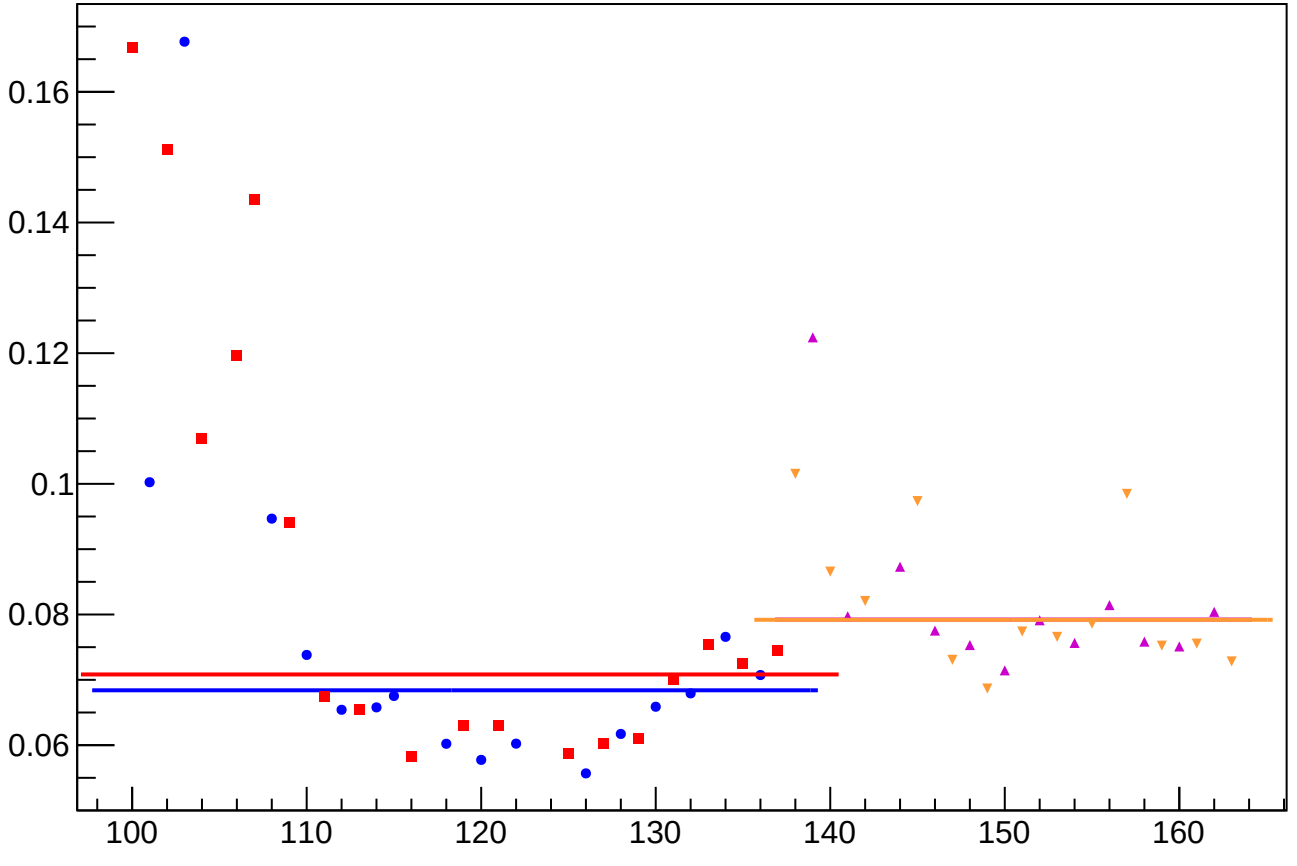
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.520+/-0.000 χ^2/NDF:1827196551.2/27

Out: 31.409+/-0.000 χ^2/NDF:1180899318.8/30

All: 31.465+/-0.000 χ^2/NDF: 3025381975.4/5

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.079+/-0.000 χ^2/NDF:254591.5/12

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.079+/-0.000 χ^2/NDF:247039.3/11

Left: 0.079+/-0.000 χ^2/NDF: 501633.0/24

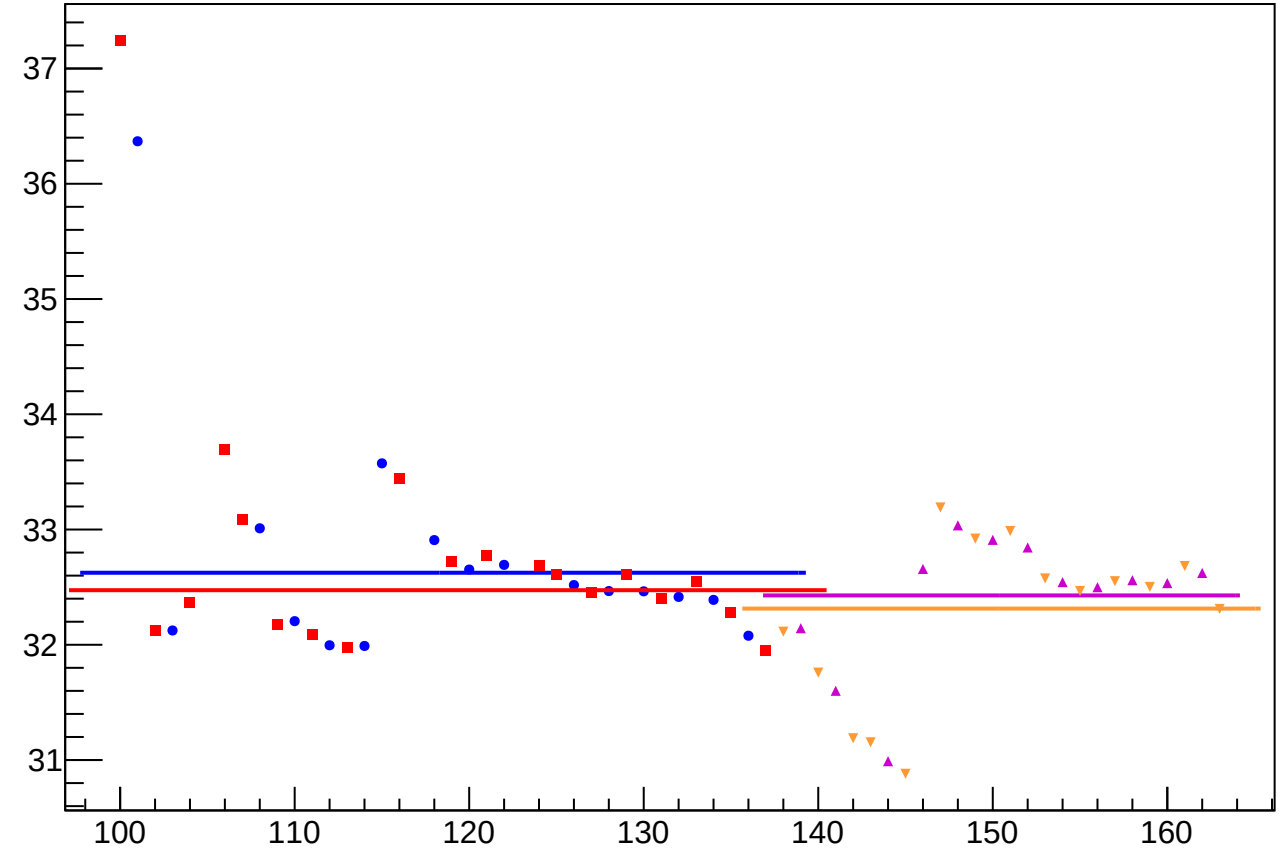
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1114478.8/27

Out: 0.075+/-0.000 χ^2/NDF:1217121.6/30

All: 0.075+/-0.000 χ^2/NDF: 2336255.5/58

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.314+/-0.000 χ^2/NDF:773272018.4/13

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.428+/-0.000 χ^2/NDF:524779254.1/11

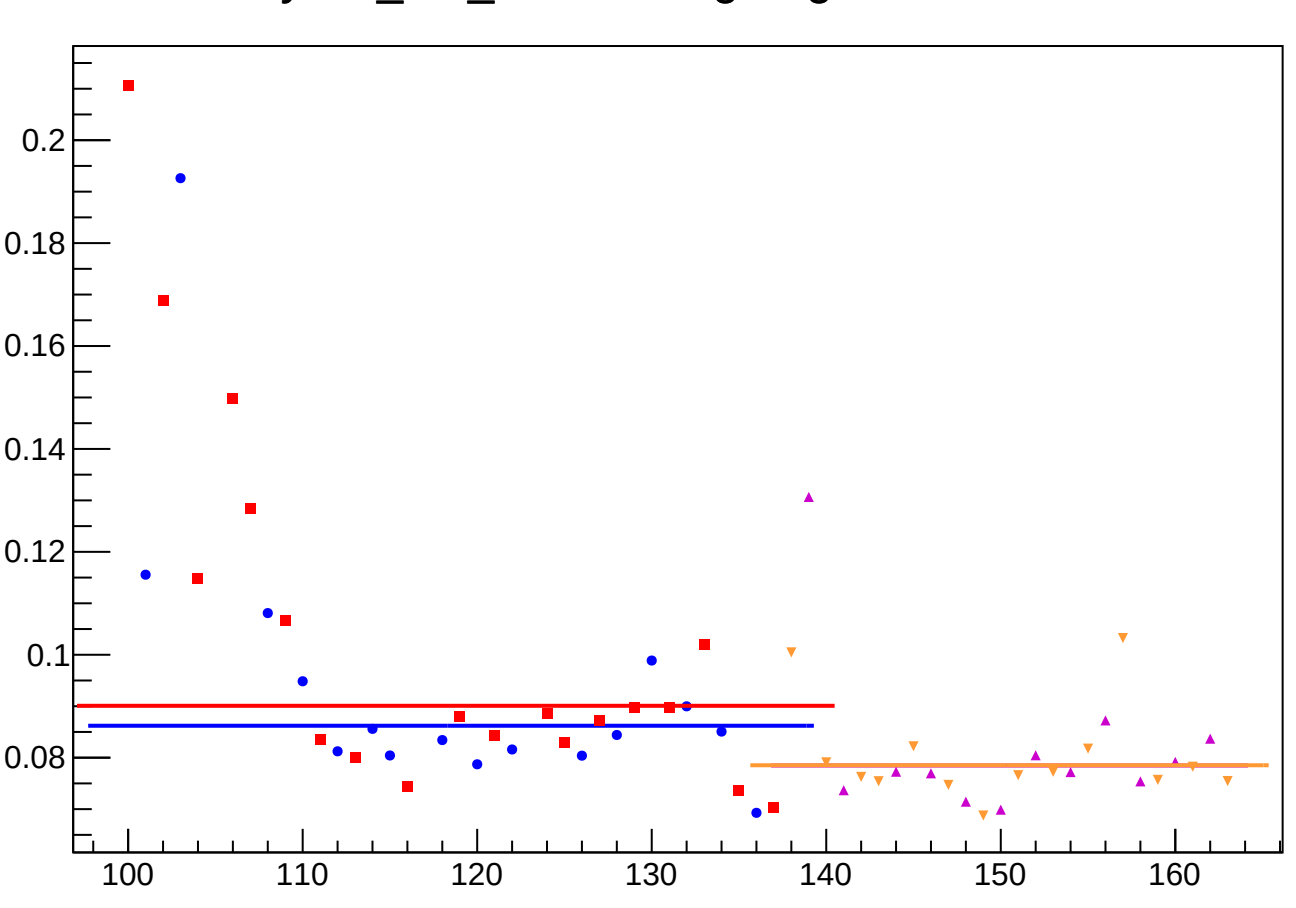
Left: 32.369+/-0.000 χ^2/NDF: 1308342120.0/25

Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.498+/-0.000 χ^2/NDF:1284964431.2/27

Out: 32.366+/-0.000 χ^2/NDF:943659350.2/32

All: 32.432+/-0.000 χ^2/NDF: 2249529556.5/6



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.079+/-0.000 χ^2/NDF:197559.0/13

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.078+/-0.000 χ^2/NDF:333296.7/11

Left: 0.079+/-0.000 χ^2/NDF: 530859.7/25

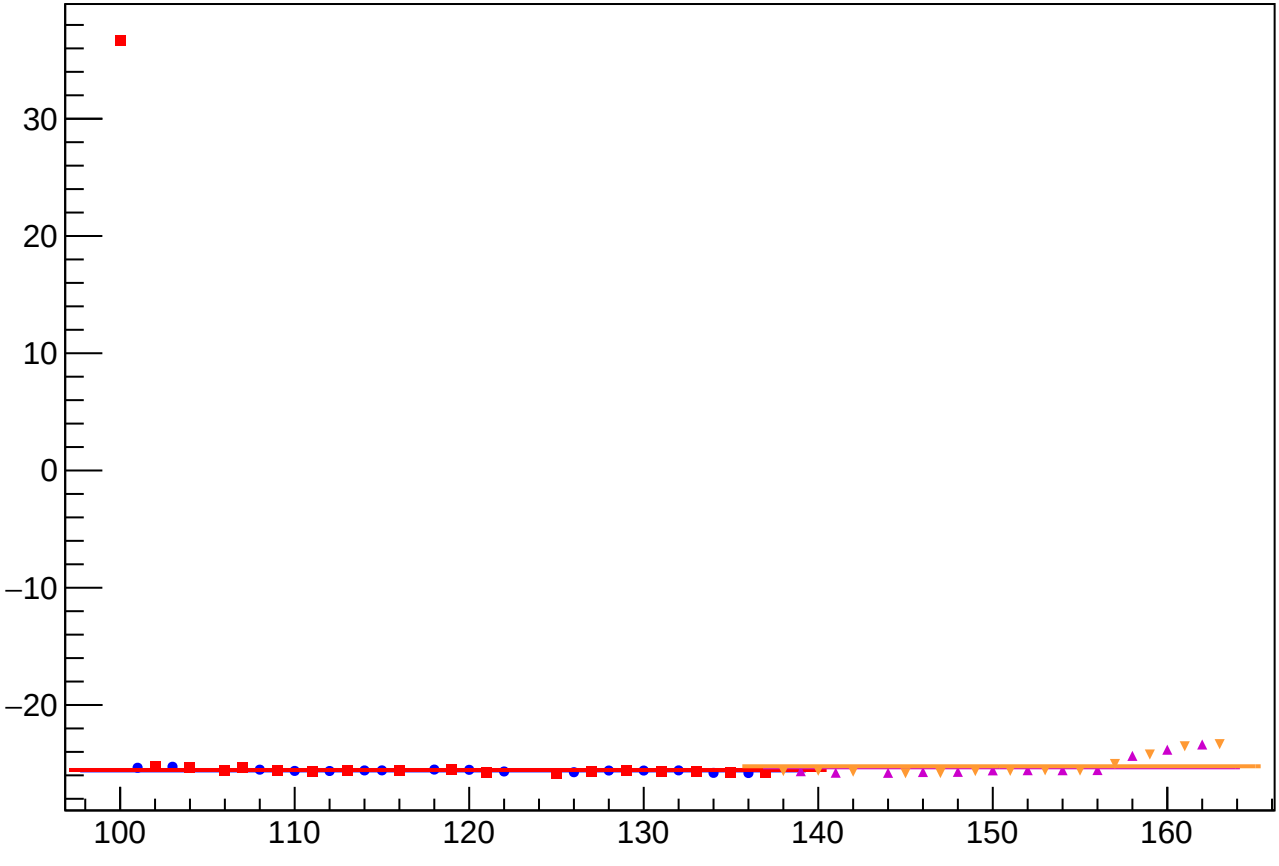
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:996960.8/27

Out: 0.082+/-0.000 χ^2/NDF:961983.3/32

All: 0.082+/-0.000 χ^2/NDF: 1961759.5/60

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.227+/-0.000 χ^2/NDF:3362605290.0/12

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.315+/-0.000 χ^2/NDF:2848873846.6/11

Left: -25.271+/-0.000 χ^2/NDF: 6231575896.4/24

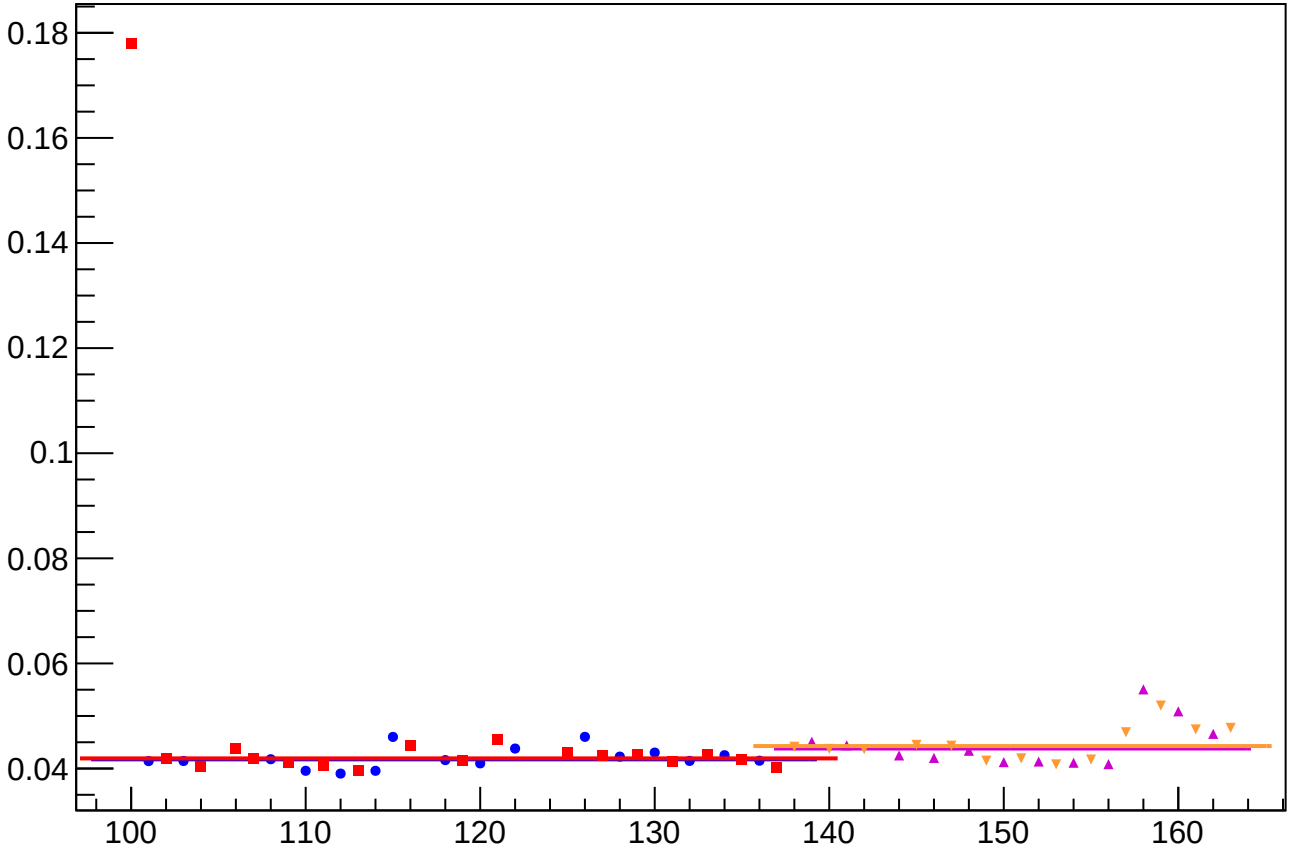
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.431+/-0.000 χ^2/NDF:3108445143.0/27

Out: -25.367+/-0.000 χ^2/NDF:12500152485.1/30

All: -25.399+/-0.000 χ^2/NDF: 15627218060.3

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.044+/-0.000 χ^2/NDF:88139.0/12

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.044+/-0.000 χ^2/NDF:143908.7/11

Left: 0.044+/-0.000 χ^2/NDF: 233188.8/24

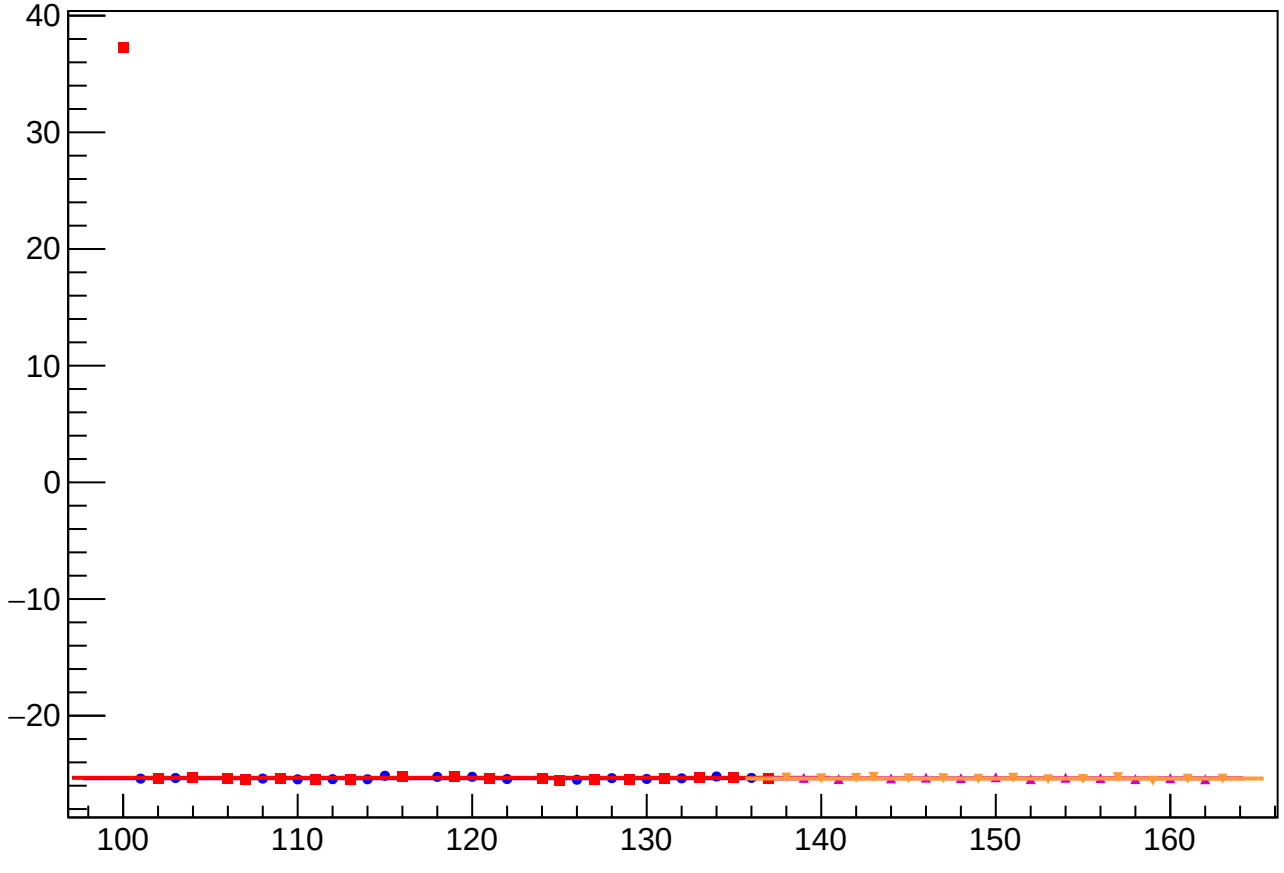
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.043+/-0.000 χ^2/NDF:184207.2/27

Out: 0.043+/-0.000 χ^2/NDF:213512.3/30

All: 0.043+/-0.000 χ^2/NDF: 398735.8/58

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.382+/-0.000 χ^2/NDF:22309490.4/13

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.361+/-0.000 χ^2/NDF:9748586.5/11

Left: -25.372+/-0.000 χ^2/NDF: 32809585.4/25

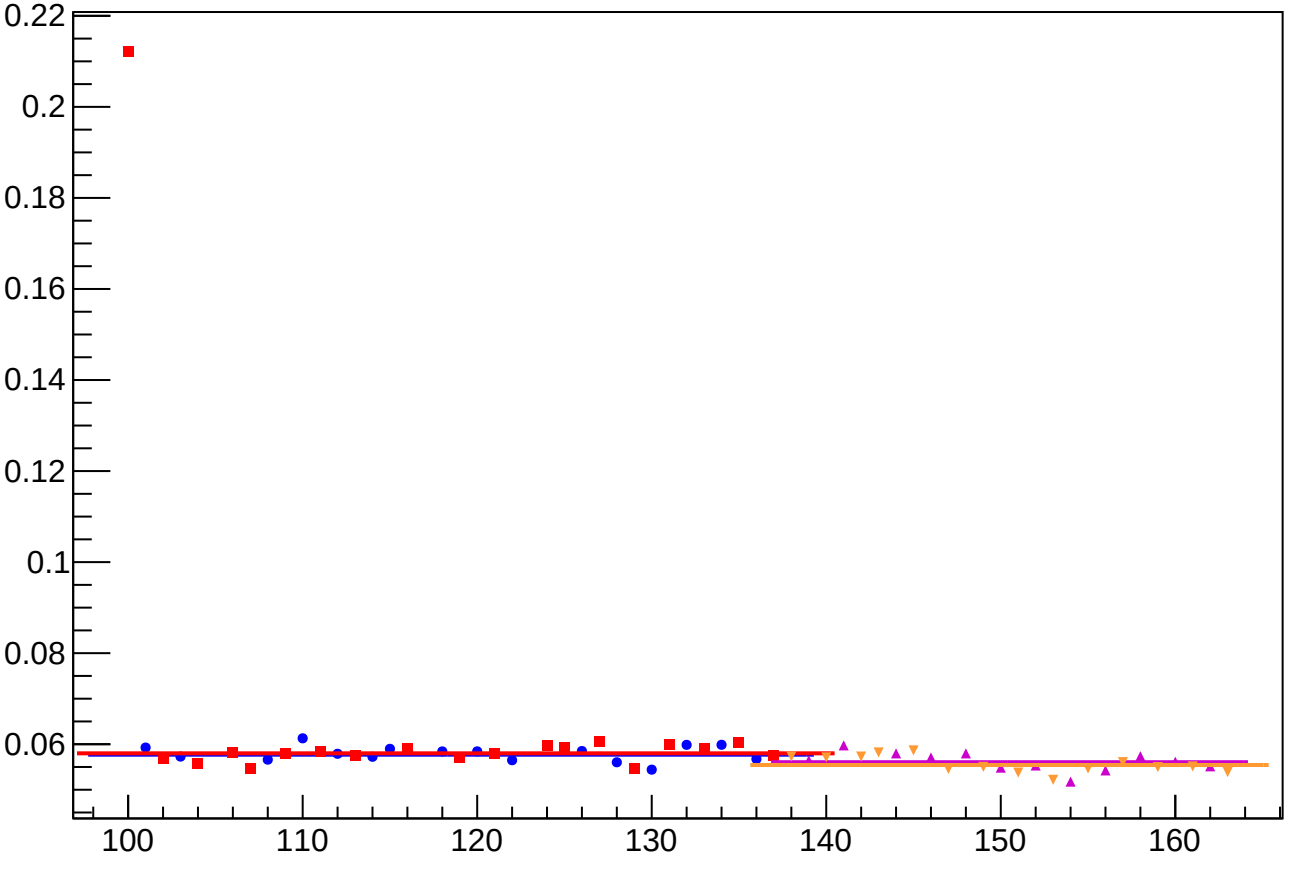
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.360+/-0.000 χ^2/NDF:23033173.0/27

Out: -25.359+/-0.000 χ^2/NDF:6341979559.1/32

All: -25.360+/-0.000 χ^2/NDF: 6365017434.4/

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:22434.9/13

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.056+/-0.000 χ^2/NDF:26643.8/11

Left: 0.056+/-0.000 χ^2/NDF: 50331.8/25

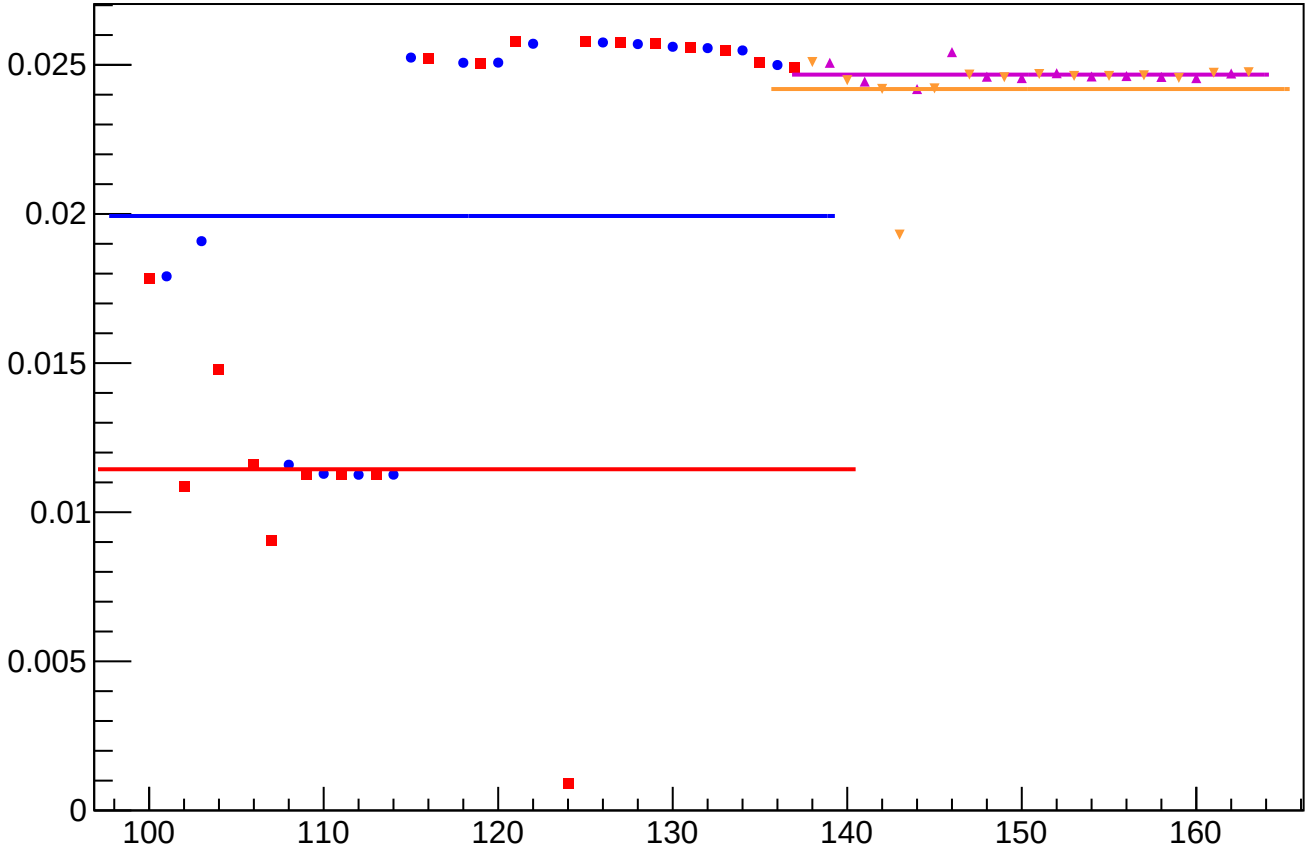
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:45306.8/27

Out: 0.056+/-0.000 χ^2/NDF:128604.9/32

All: 0.057+/-0.000 χ^2/NDF: 174395.7/60

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4722971639.8/13

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:158904662.7/11

Left: 0.024+/-0.000 χ^2/NDF: 5121753844.8/25

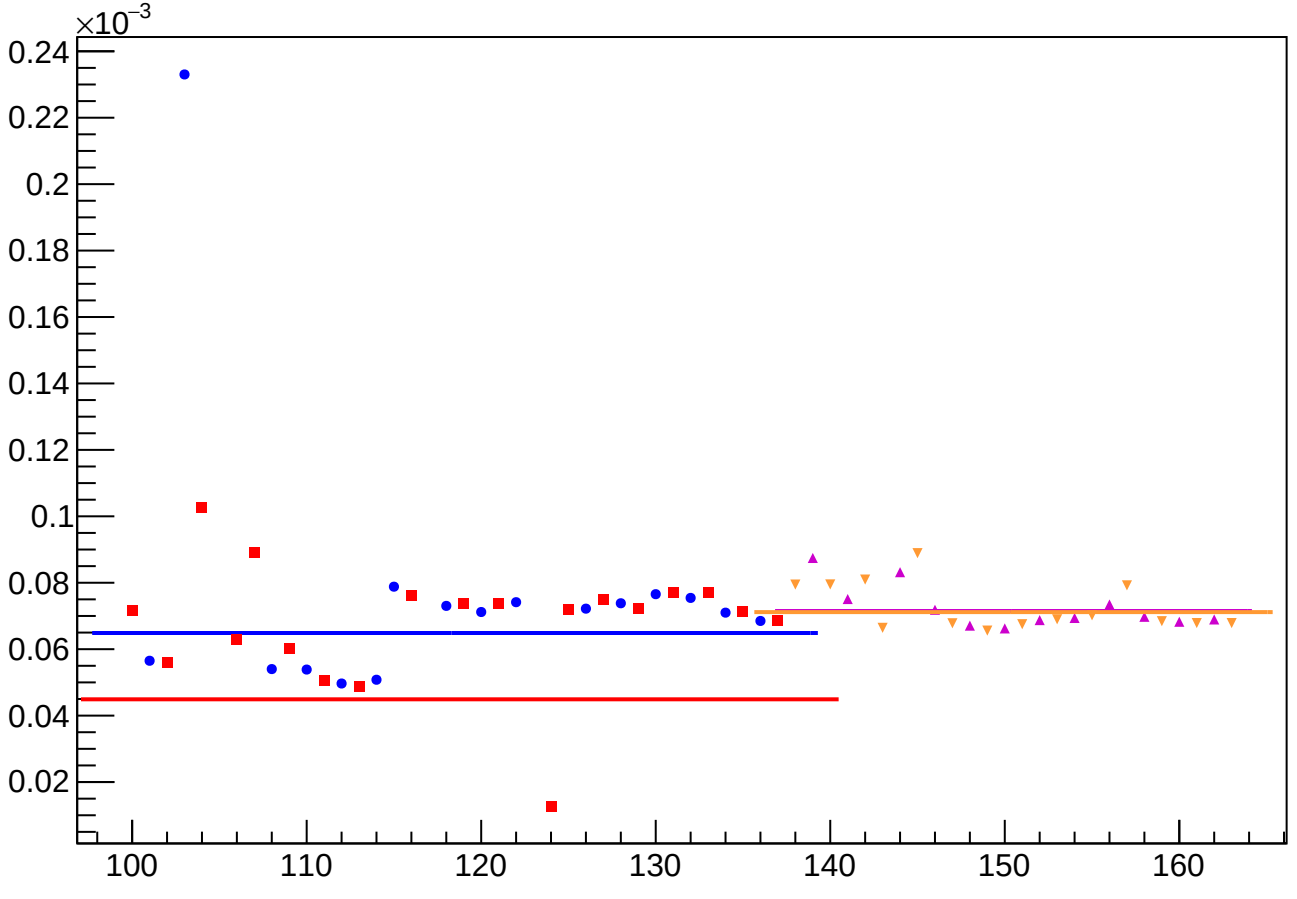
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:82169152665.2/27

Out: 0.017+/-0.000 χ^2/NDF:446834498292.6/32

All: 0.020+/-0.000 χ^2/NDF: 585097559480.0

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:165518.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:122609.1/11

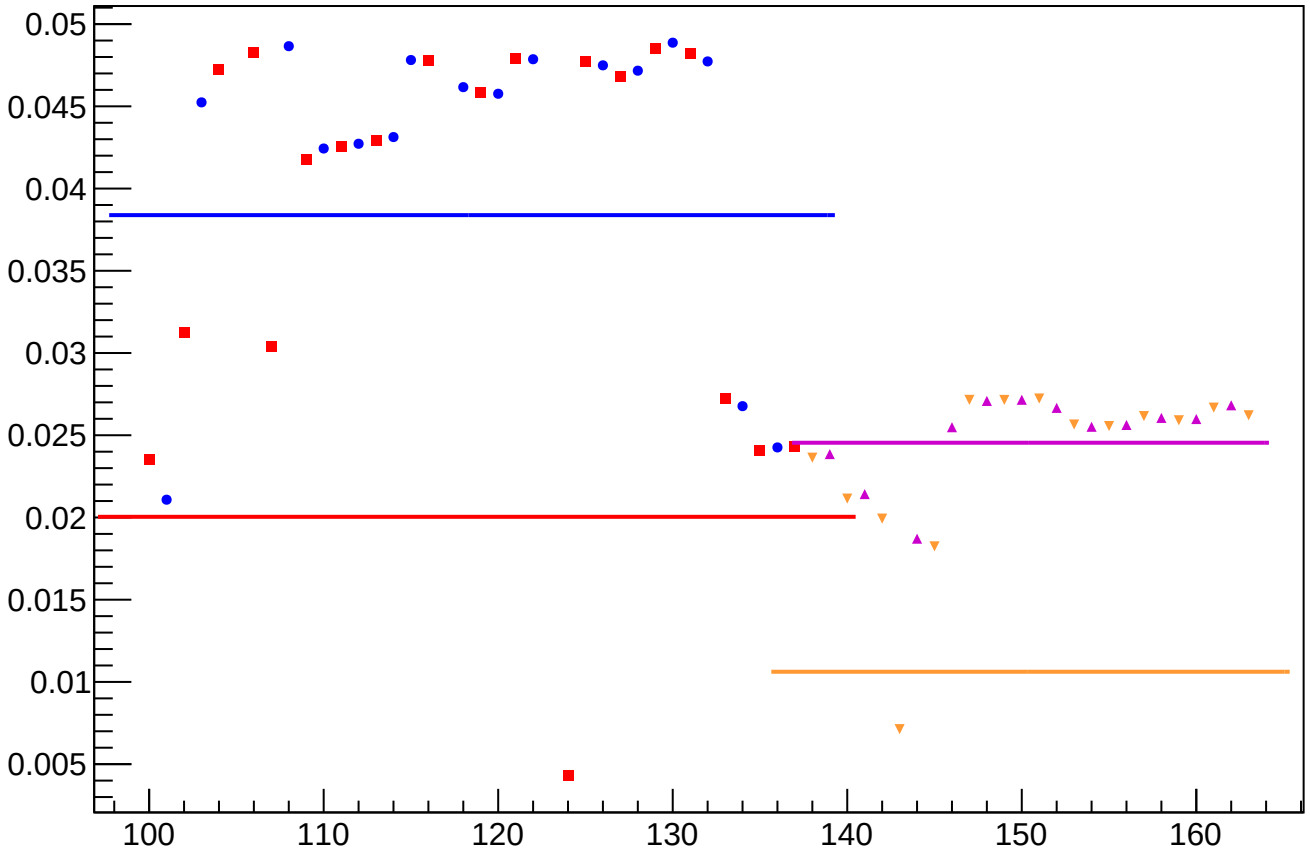
Left: 0.000+/-0.000 χ^2/NDF: 288349.5/25

Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1015703.0/27

Out: 0.000+/-0.000 χ^2/NDF:5532686.2/32

All: 0.000+/-0.000 χ^2/NDF: 7089277.3/60



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:27404677876.1/13

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.025+/-0.000 χ^2/NDF:935809579.3/11

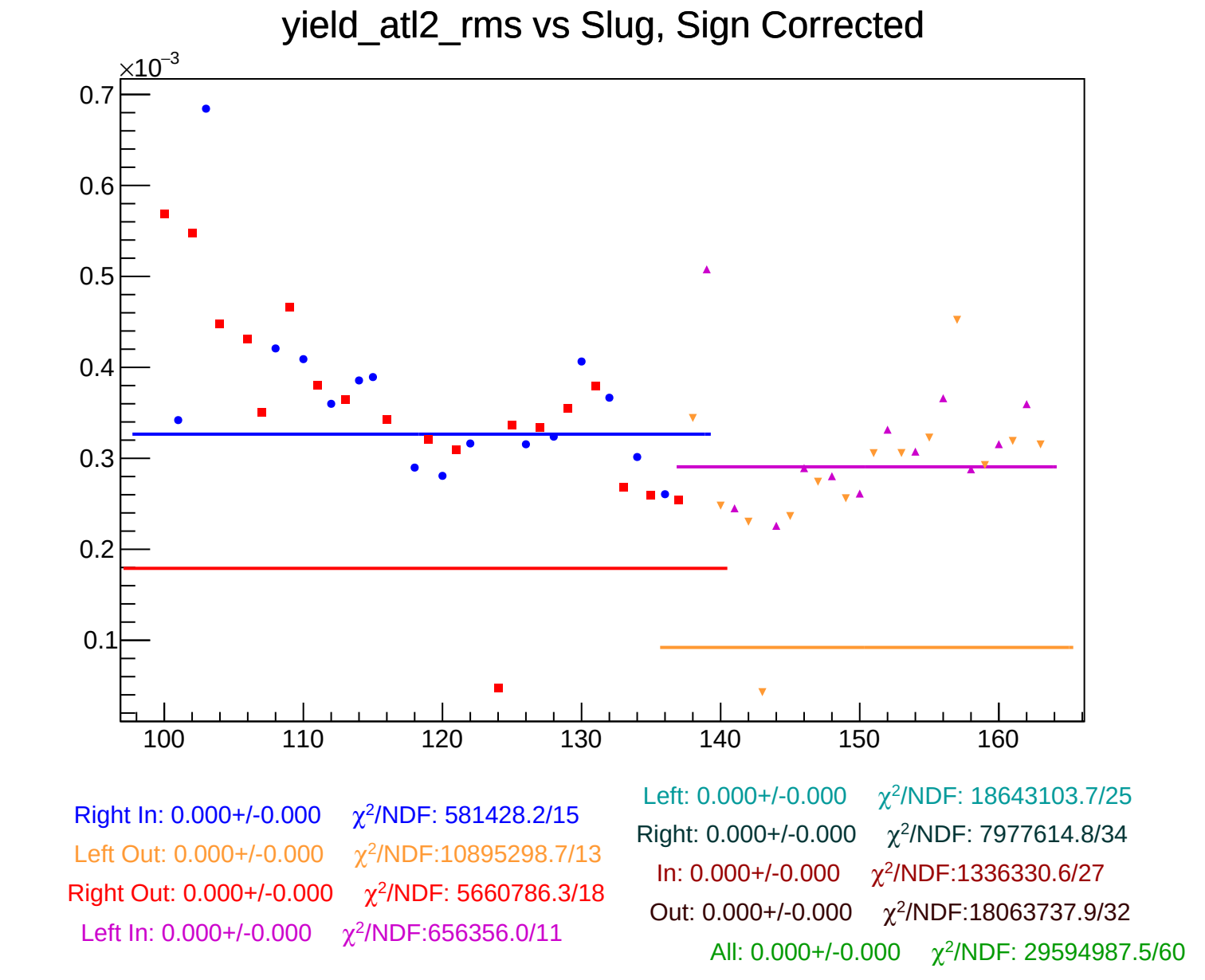
Left: 0.013+/-0.000 χ^2/NDF: 45780437651.3/25

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

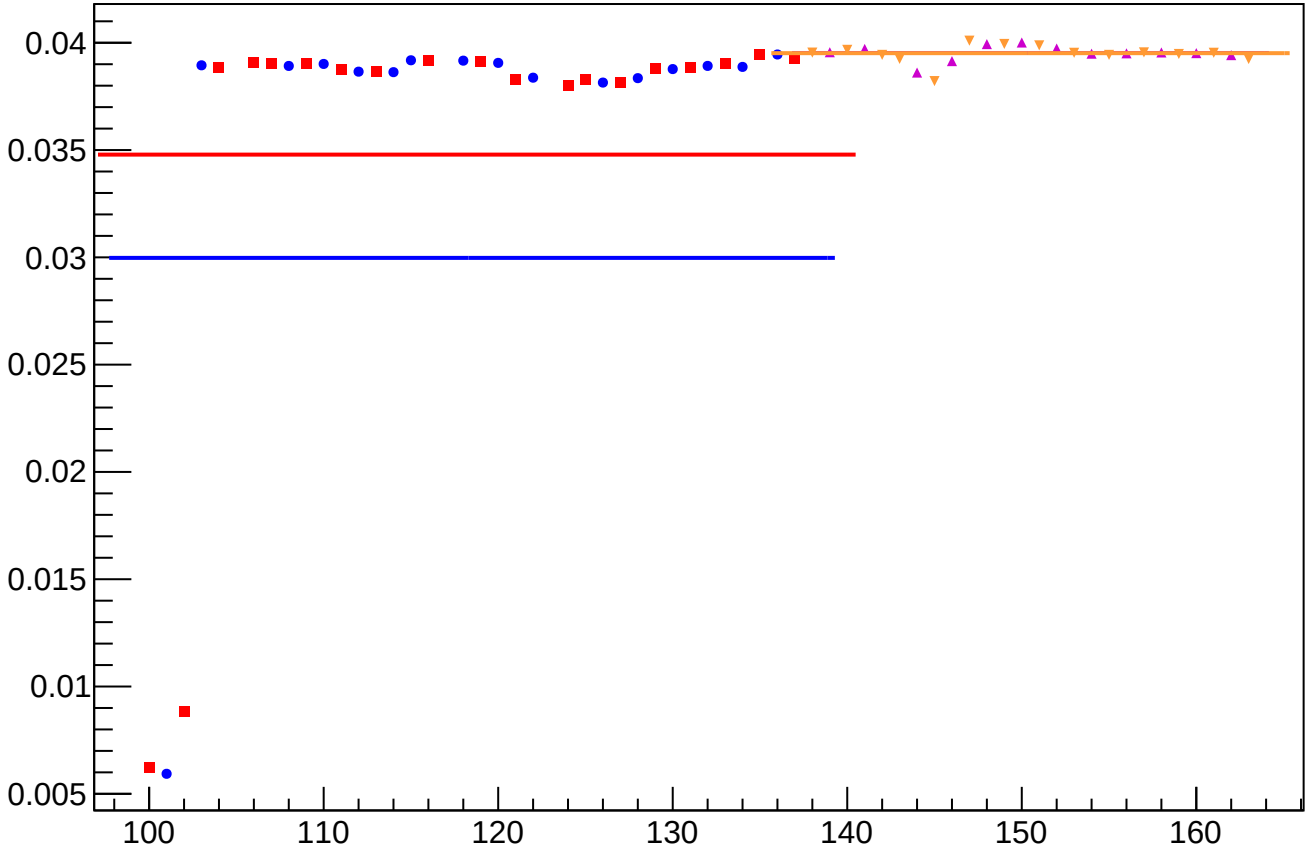
In: 0.029+/-0.000 χ^2/NDF:15332883341.6/27

Out: 0.012+/-0.000 χ^2/NDF:78441537484.3/32

All: 0.016+/-0.000 χ^2/NDF: 132869535495.4


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10895298.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:656356.0/11
Left: 0.000+/-0.000 χ²/NDF: 18643103.7/25
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:1336330.6/27
Out: 0.000+/-0.000 χ²/NDF:18063737.9/32
All: 0.000+/-0.000 χ²/NDF: 29594987.5/60

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:97492953.3/13

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:66394737.2/11

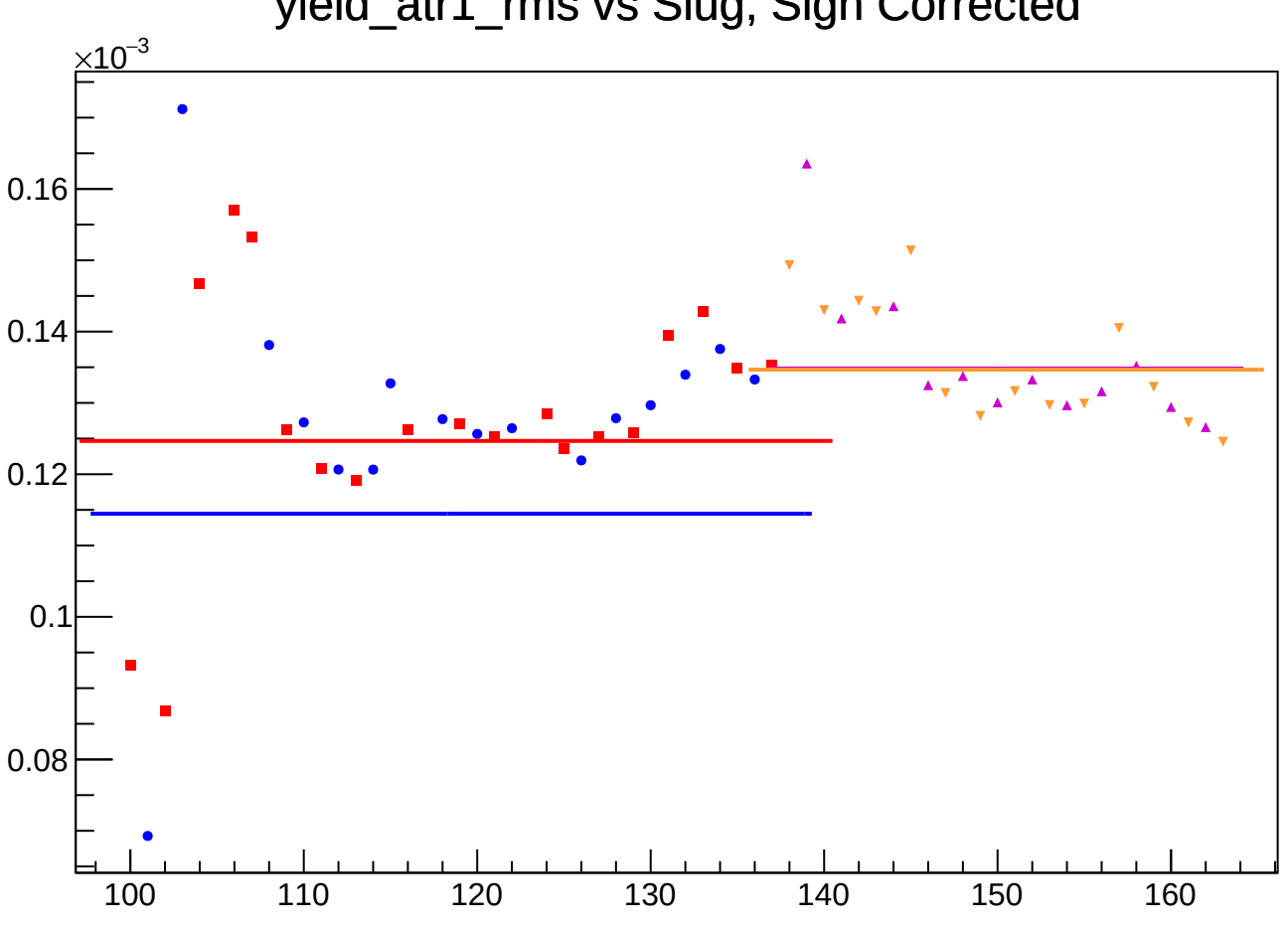
Left: 0.040+/-0.000 χ^2/NDF: 163907983.6/25

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:132461064988.6/27

Out: 0.037+/-0.000 χ^2/NDF:53071481746.8/32

All: 0.036+/-0.000 χ^2/NDF: 188931281706.3



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:78239.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:77886.1/11

Left: 0.000+/-0.000 χ^2/NDF: 156139.8/25

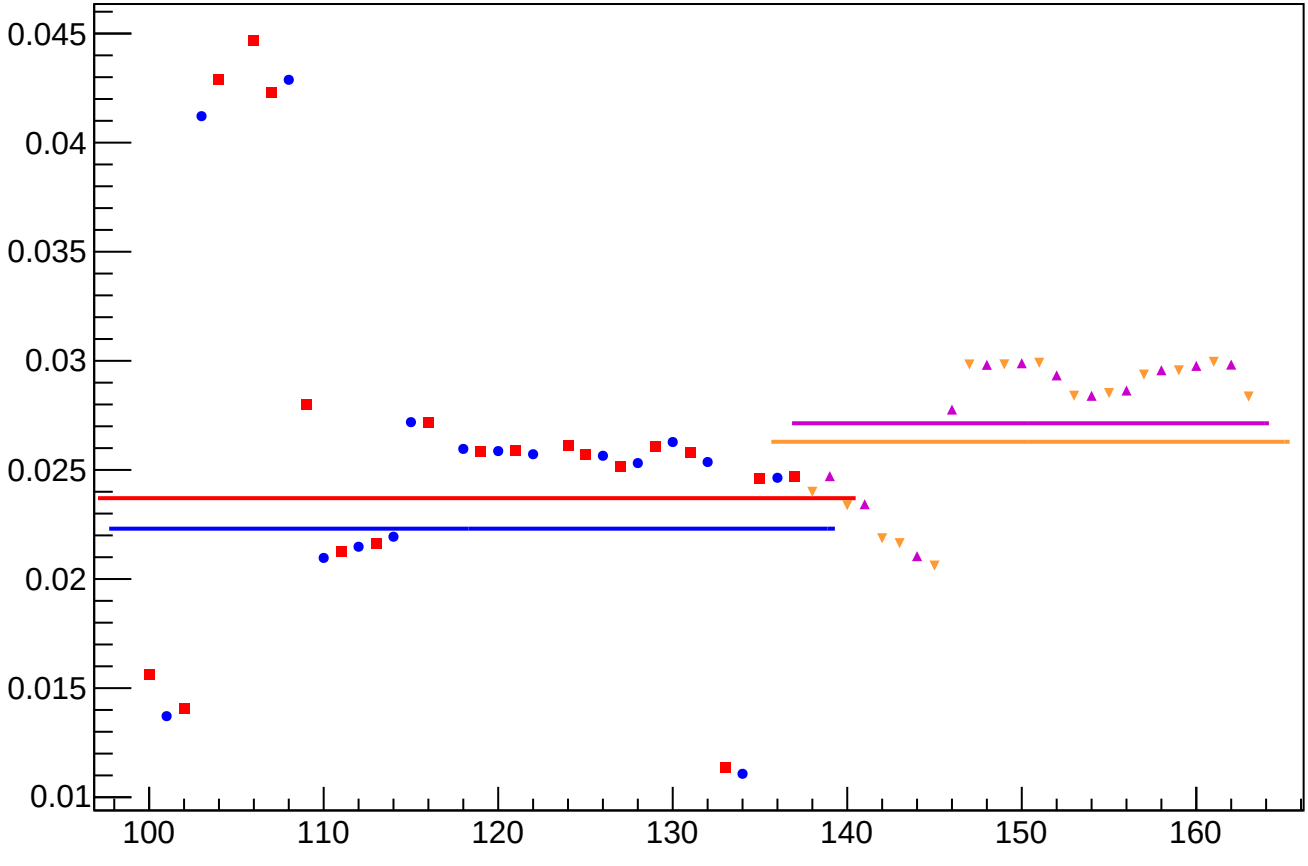
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1150396.3/27

Out: 0.000+/-0.000 χ^2/NDF:389631.0/32

All: 0.000+/-0.000 χ^2/NDF: 1569788.4/60

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.026+/-0.000 χ^2/NDF:1772968190.7/13

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.027+/-0.000 χ^2/NDF:1237588790.4/11

Left: 0.027+/-0.000 χ^2/NDF: 3053935833.0/25

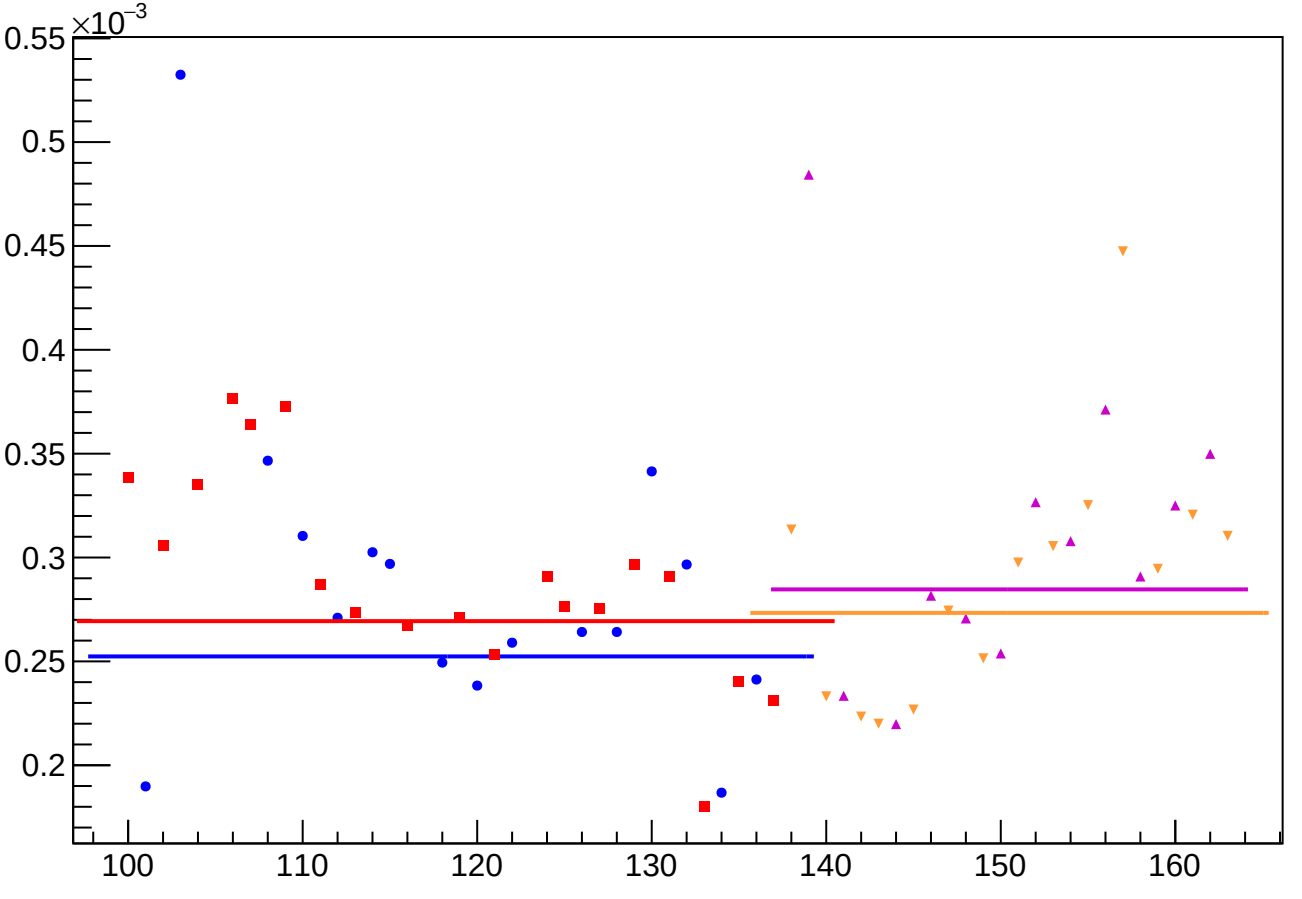
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7475414260.0/27

Out: 0.025+/-0.000 χ^2/NDF:7707837398.9/32

All: 0.025+/-0.000 χ^2/NDF: 15196024685.4/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:579977.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:712929.8/11

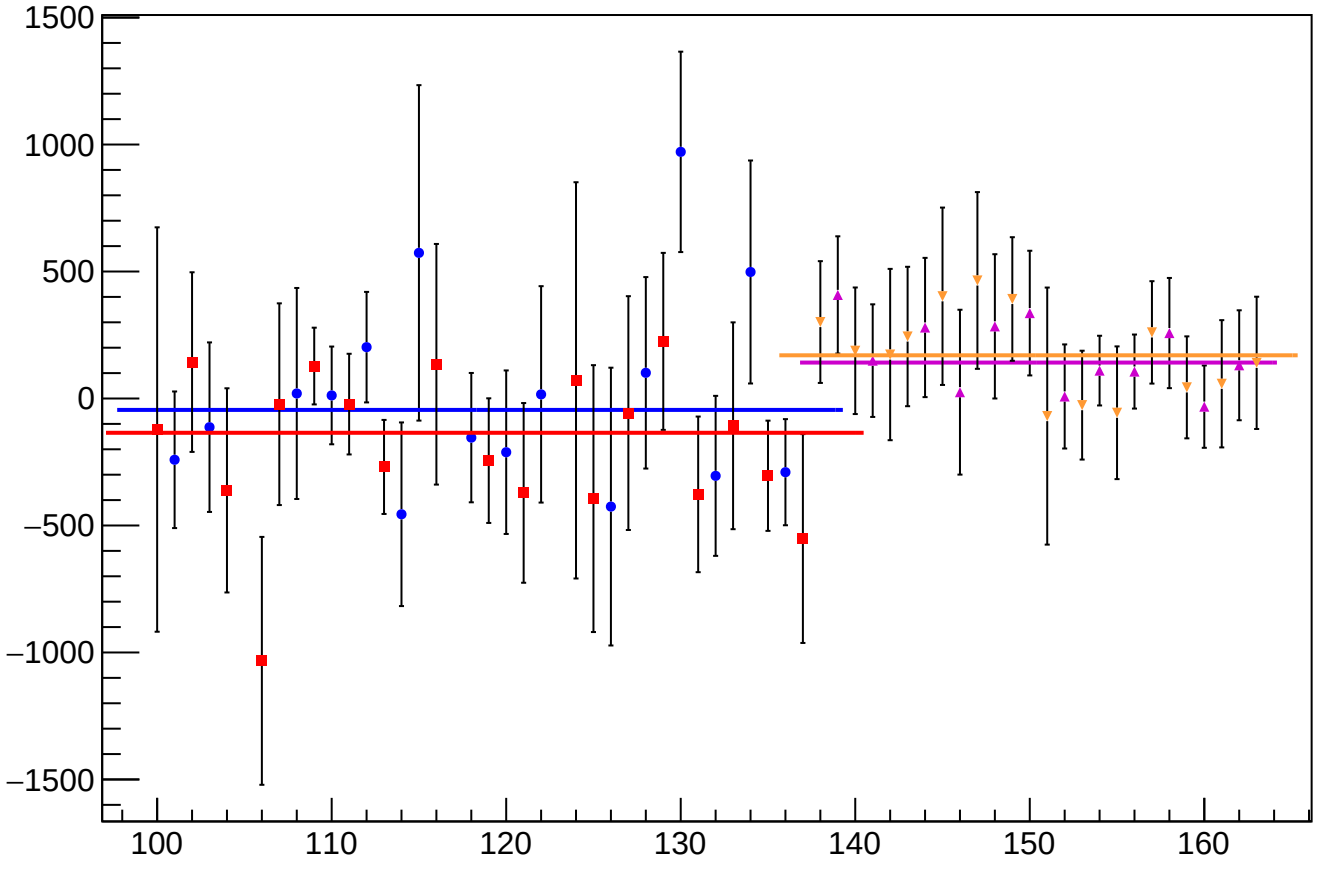
Left: 0.000+/-0.000 χ^2/NDF: 1308335.2/25

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1530142.4/27

Out: 0.000+/-0.000 χ^2/NDF:1028006.4/32

All: 0.000+/-0.000 χ^2/NDF: 2559077.0/60



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 170.117+/-69.116 χ^2/NDF:5.0/13

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 141.493+/-58.173 χ^2/NDF:4.6/11

Left: 153.363+/-44.507 χ^2/NDF: 9.7/25

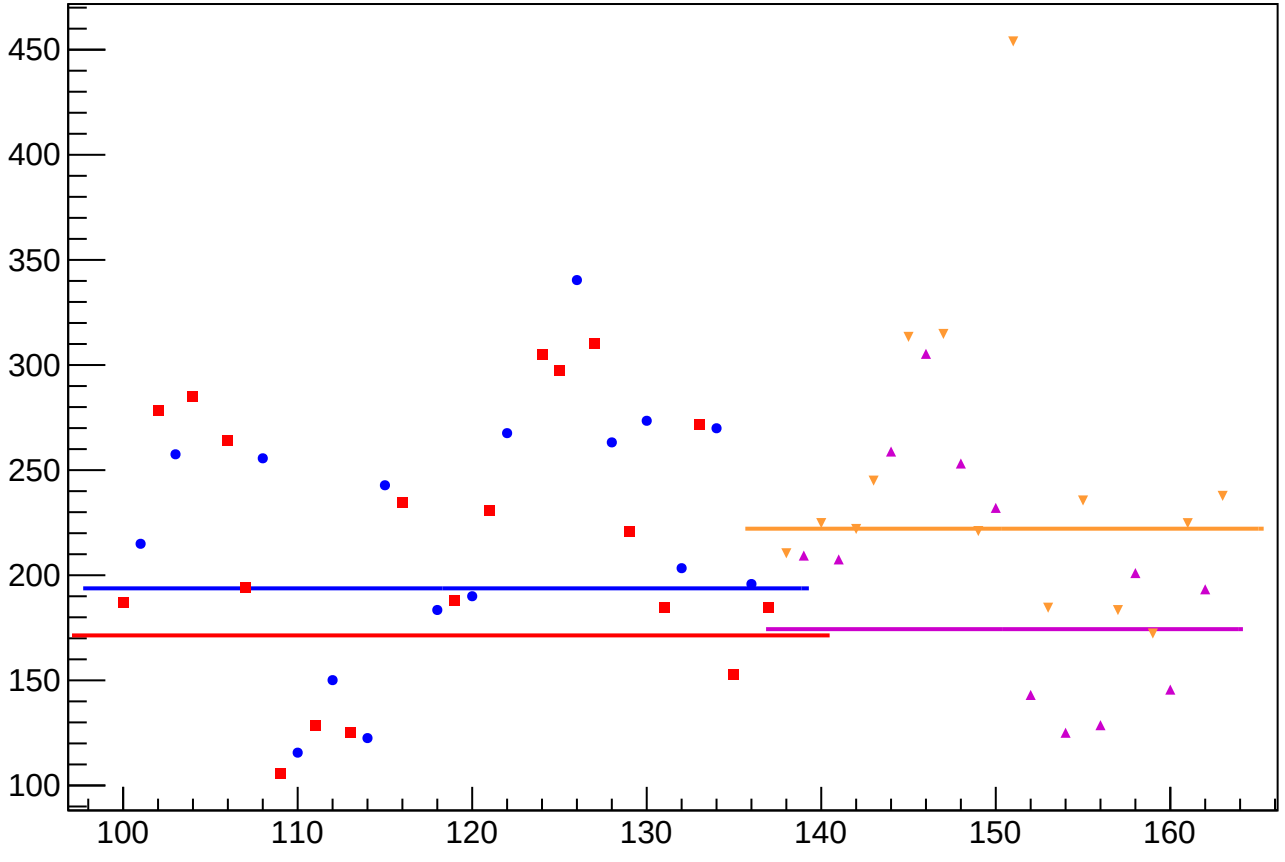
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 72.852+/-46.238 χ^2/NDF:23.8/27

Out: 15.217+/-48.495 χ^2/NDF:27.8/32

All: 45.407+/-33.465 χ^2/NDF: 52.4/60

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: 222.148+/-0.049 χ^2/NDF:988045.2/13

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 174.360+/-0.041 χ^2/NDF:1480177.3/11

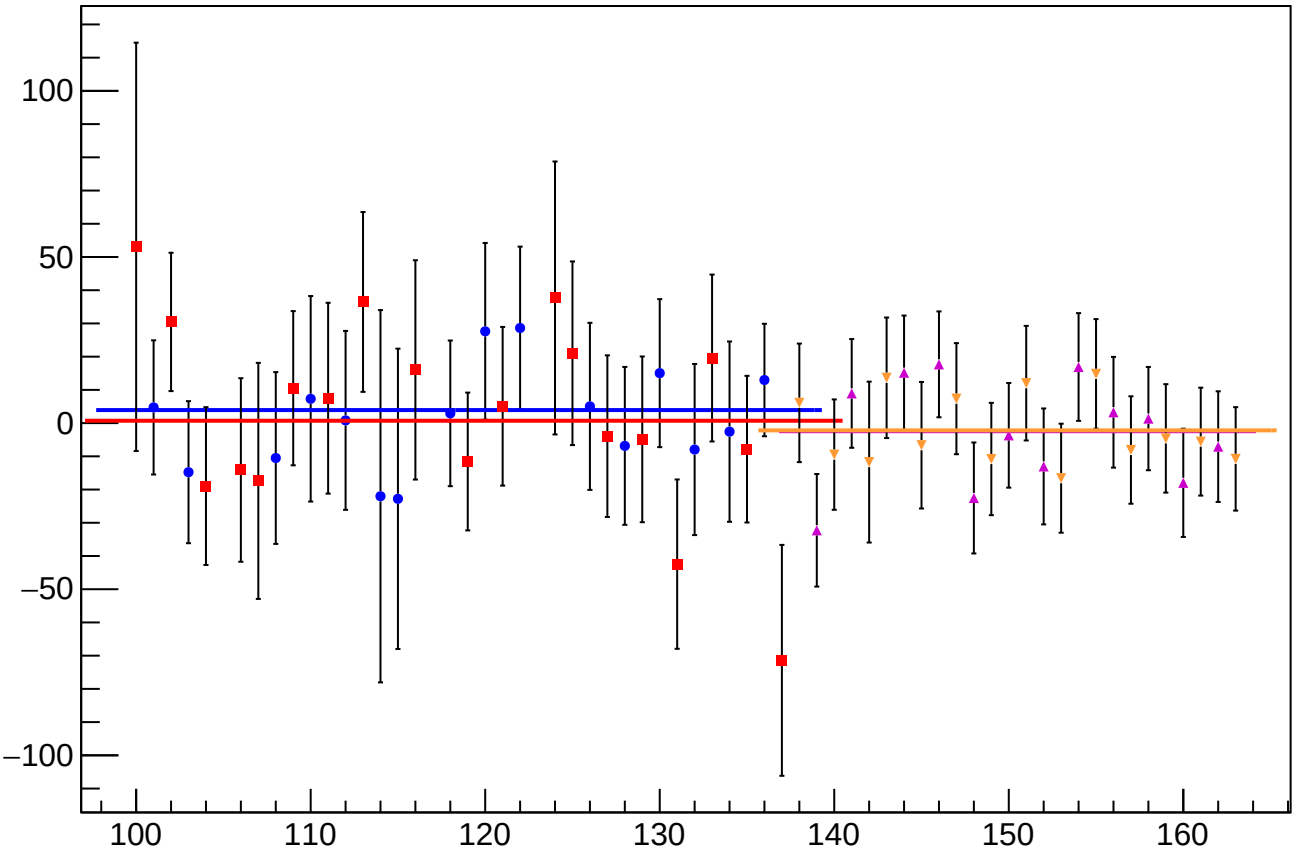
Left: 194.176+/-0.031 χ^2/NDF: 3027895.7/25

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 181.506+/-0.033 χ^2/NDF:2610245.8/27

Out: 196.375+/-0.034 χ^2/NDF:3193925.1/32

All: 188.587+/-0.024 χ^2/NDF: 5902655.6/60



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -2.189+/-4.584 χ^2/NDF:5.0/13

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -2.440+/-4.748 χ^2/NDF:10.6/11

Left: -2.310+/-3.298 χ^2/NDF: 15.6/25

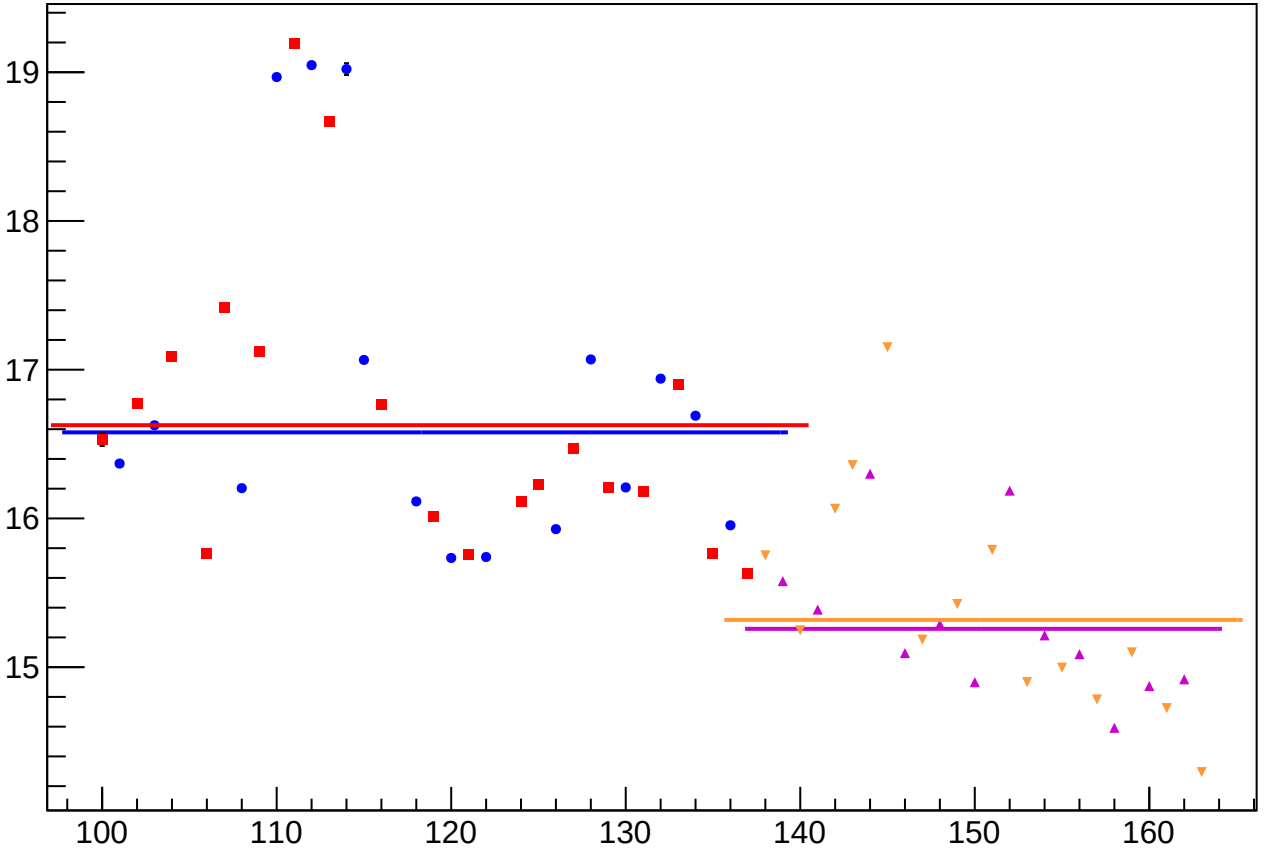
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -0.074+/-3.763 χ^2/NDF:15.8/27

Out: -1.136+/-3.660 χ^2/NDF:21.0/32

All: -0.620+/-2.624 χ^2/NDF: 36.9/60

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: 15.318+/-0.003 χ^2/NDF:45828.0/13

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.258+/-0.003 χ^2/NDF:20953.6/11

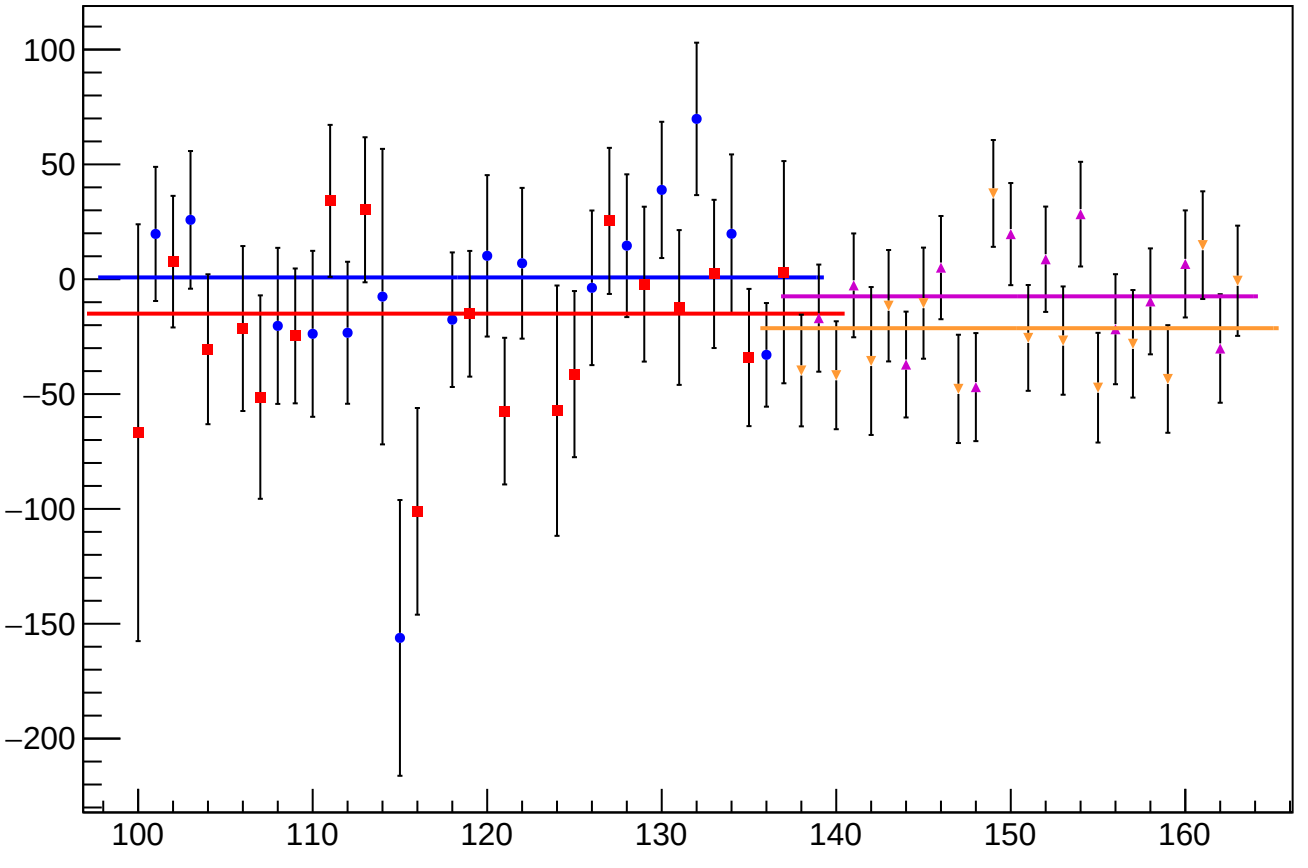
Left: 15.289+/-0.002 χ^2/NDF: 66946.9/25

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.749+/-0.003 χ^2/NDF:123078.8/27

Out: 15.793+/-0.003 χ^2/NDF:148452.7/32

All: 15.771+/-0.002 χ^2/NDF: 271669.8/60



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -21.318+/-6.434 χ^2/NDF:14.9/13

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -7.448+/-6.656 χ^2/NDF:11.1/11

Left: -14.619+/-4.626 χ^2/NDF: 28.2/25

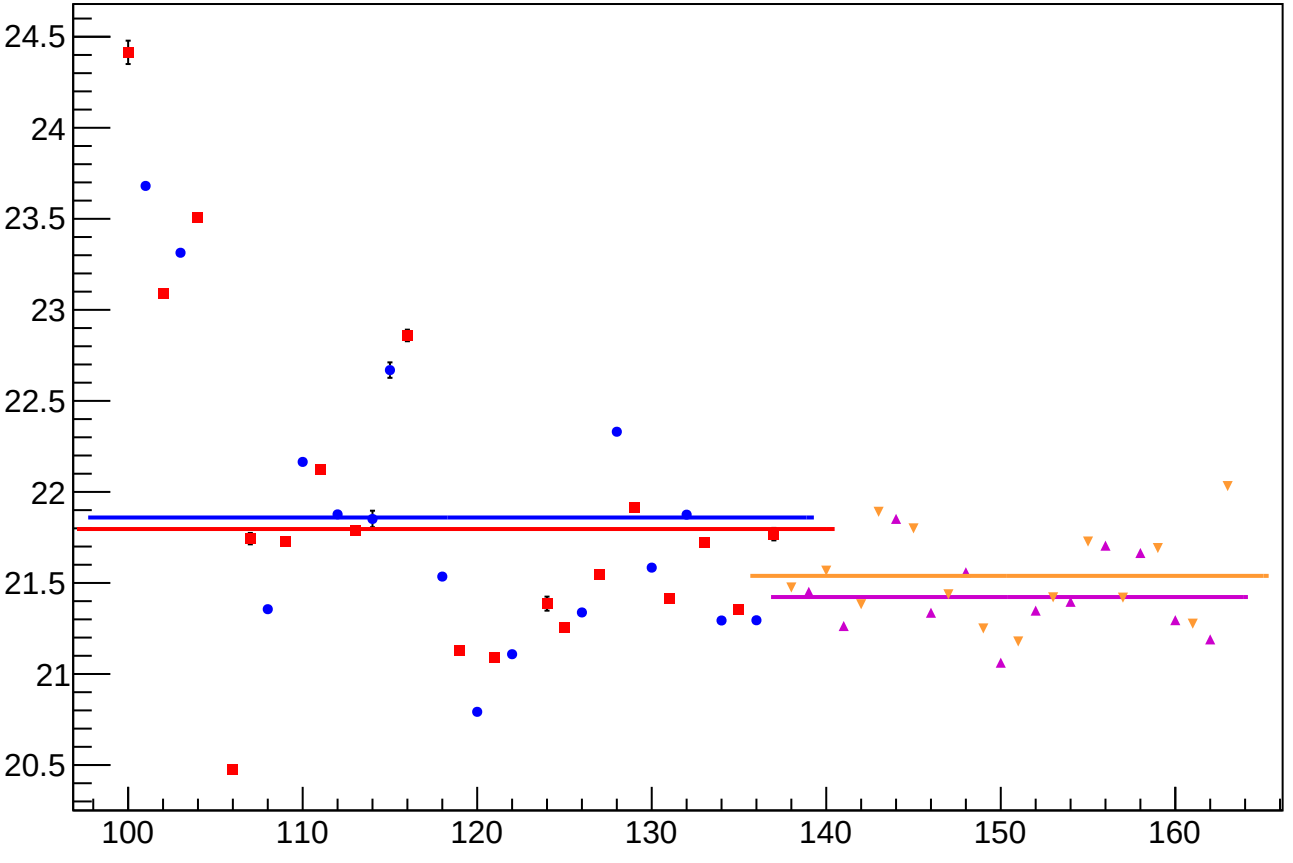
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -4.139+/-5.149 χ^2/NDF:30.4/27

Out: -18.812+/-5.002 χ^2/NDF:30.7/32

All: -11.688+/-3.588 χ^2/NDF: 65.2/60

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: 21.539+/-0.005 χ^2/NDF:2957.9/13

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.423+/-0.005 χ^2/NDF:2193.6/11

Left: 21.483+/-0.003 χ^2/NDF: 5466.6/25

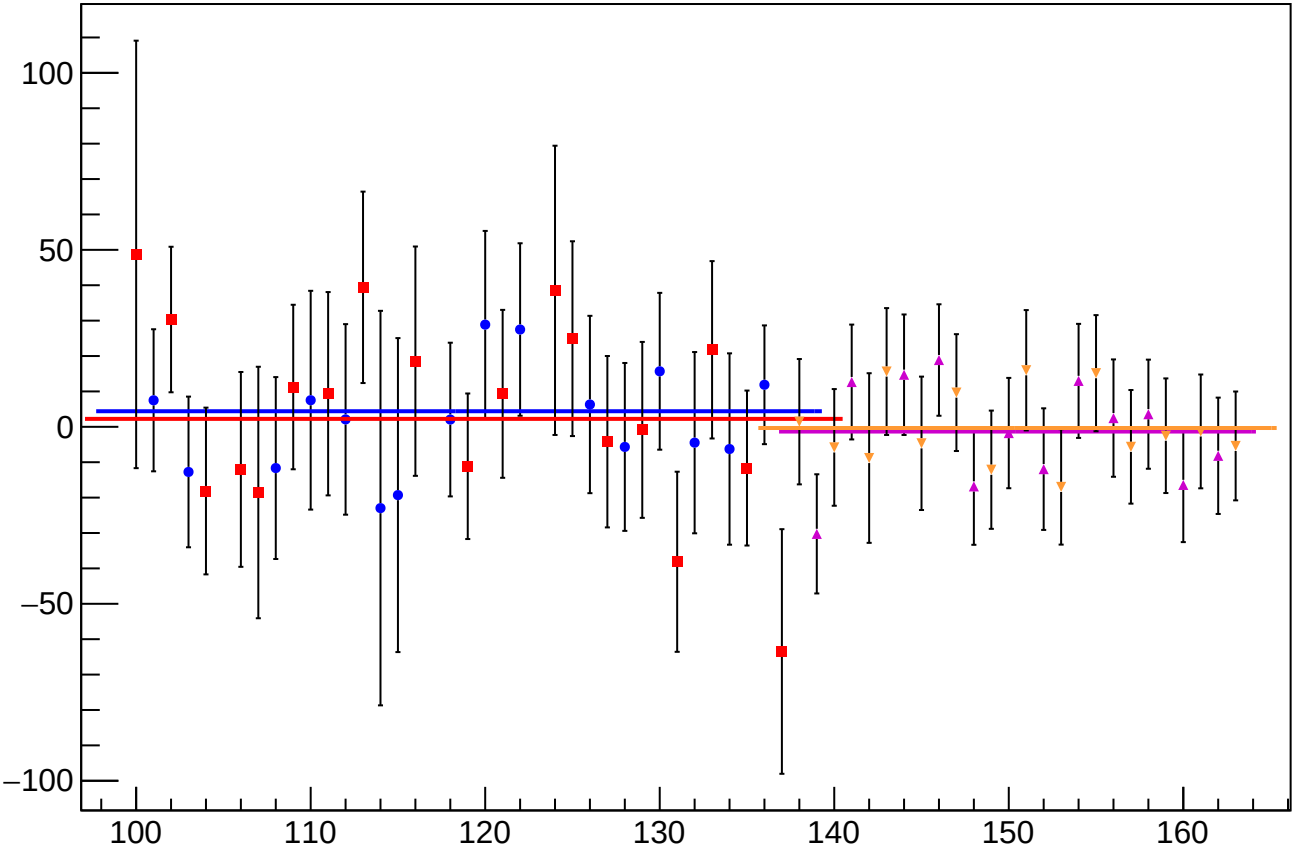
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.598+/-0.004 χ^2/NDF:25121.5/27

Out: 21.641+/-0.004 χ^2/NDF:23084.6/32

All: 21.620+/-0.003 χ^2/NDF: 48276.4/60

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -0.335+/-4.539 χ^2/NDF:5.1/13

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -1.335+/-4.703 χ^2/NDF:9.5/11

Left: -0.818+/-3.266 χ^2/NDF: 14.6/25

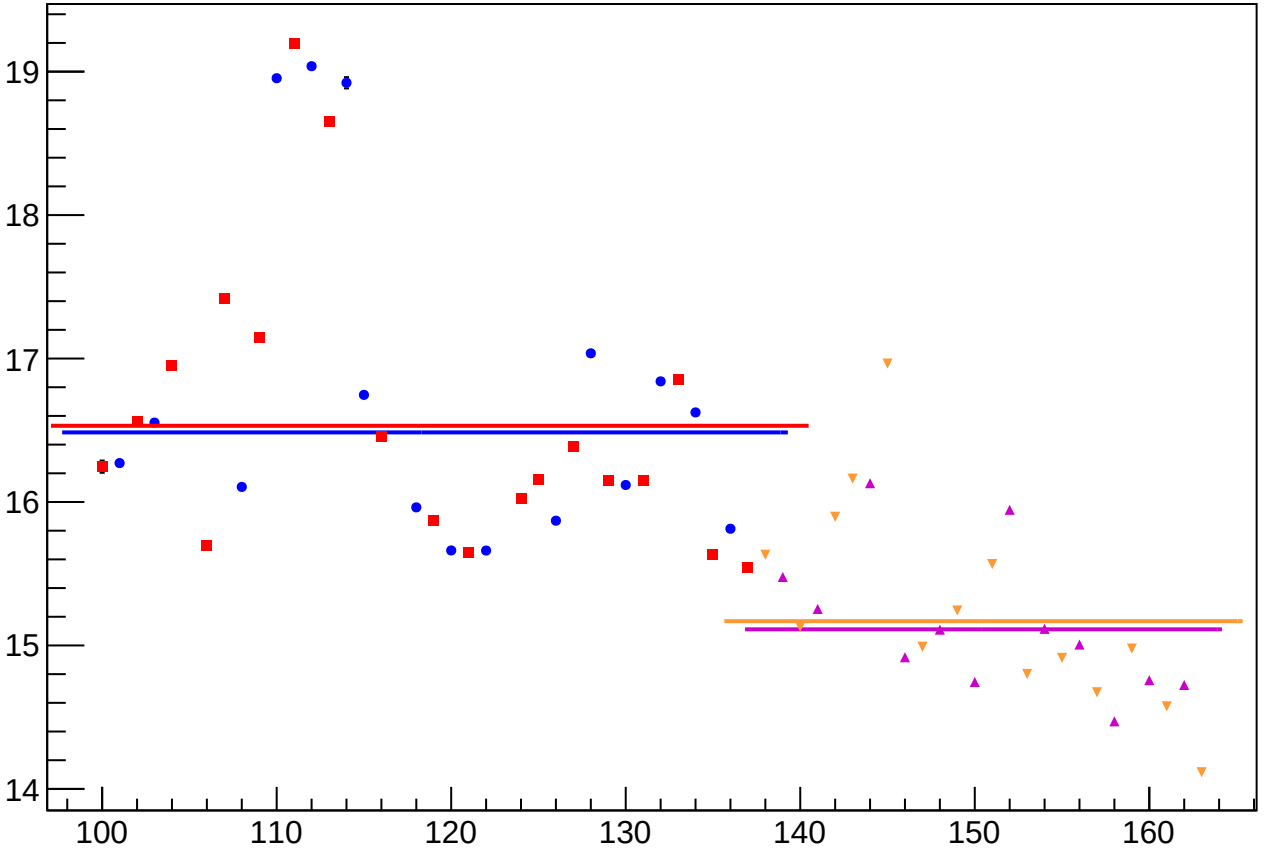
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 0.788+/-3.733 χ^2/NDF:14.3/27

Out: 0.595+/-3.629 χ^2/NDF:20.5/32

All: 0.689+/-2.602 χ^2/NDF: 34.9/60

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: 15.169+/-0.003 χ^2/NDF:44705.7/13

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.112+/-0.003 χ^2/NDF:19990.3/11

Left: 15.142+/-0.002 χ^2/NDF: 64847.5/25

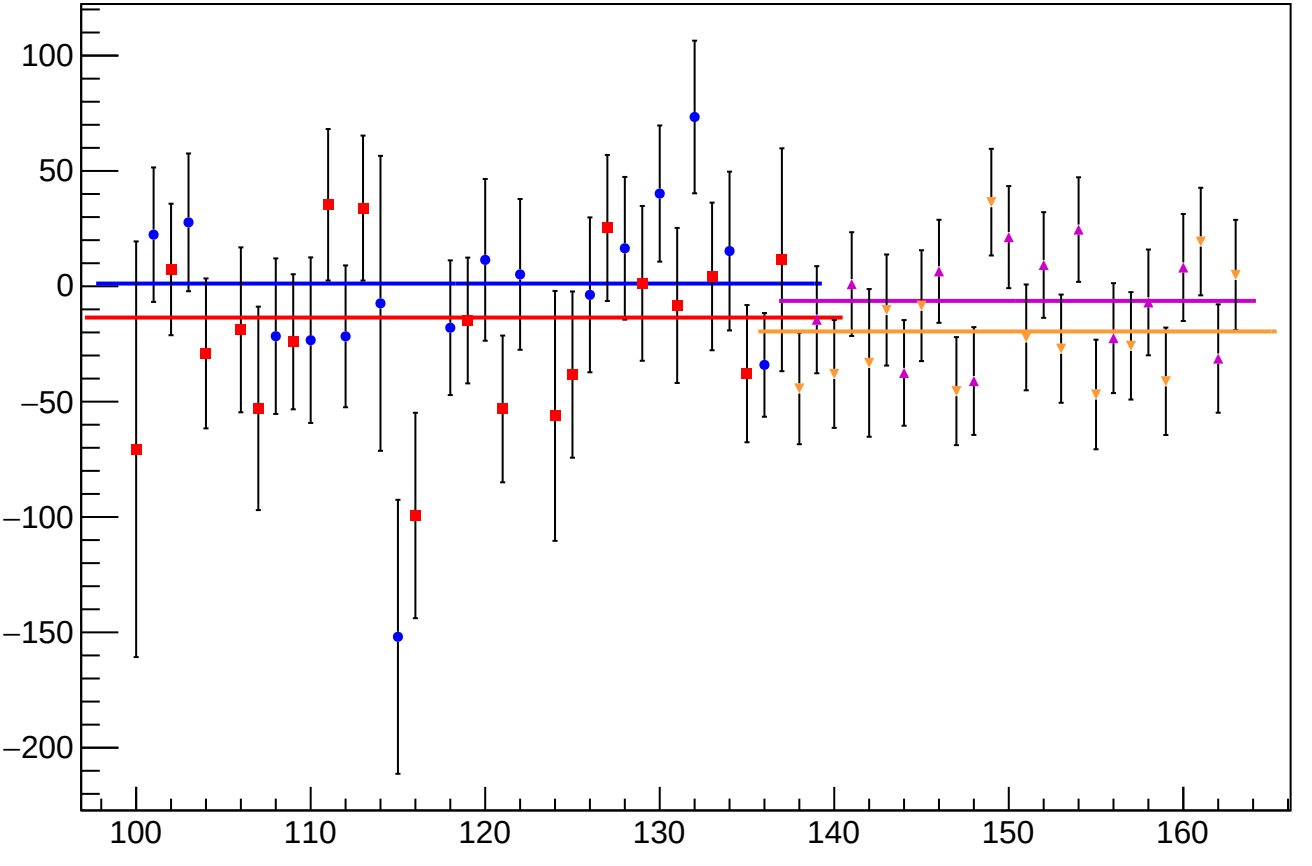
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.620+/-0.003 χ^2/NDF:130216.1/27

Out: 15.661+/-0.003 χ^2/NDF:156137.0/32

All: 15.641+/-0.002 χ^2/NDF: 286473.7/60

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: -19.567+/-6.396 χ^2/NDF:15.5/13

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -6.326+/-6.621 χ^2/NDF:10.5/11

Left: -13.175+/-4.600 χ^2/NDF: 28.1/25

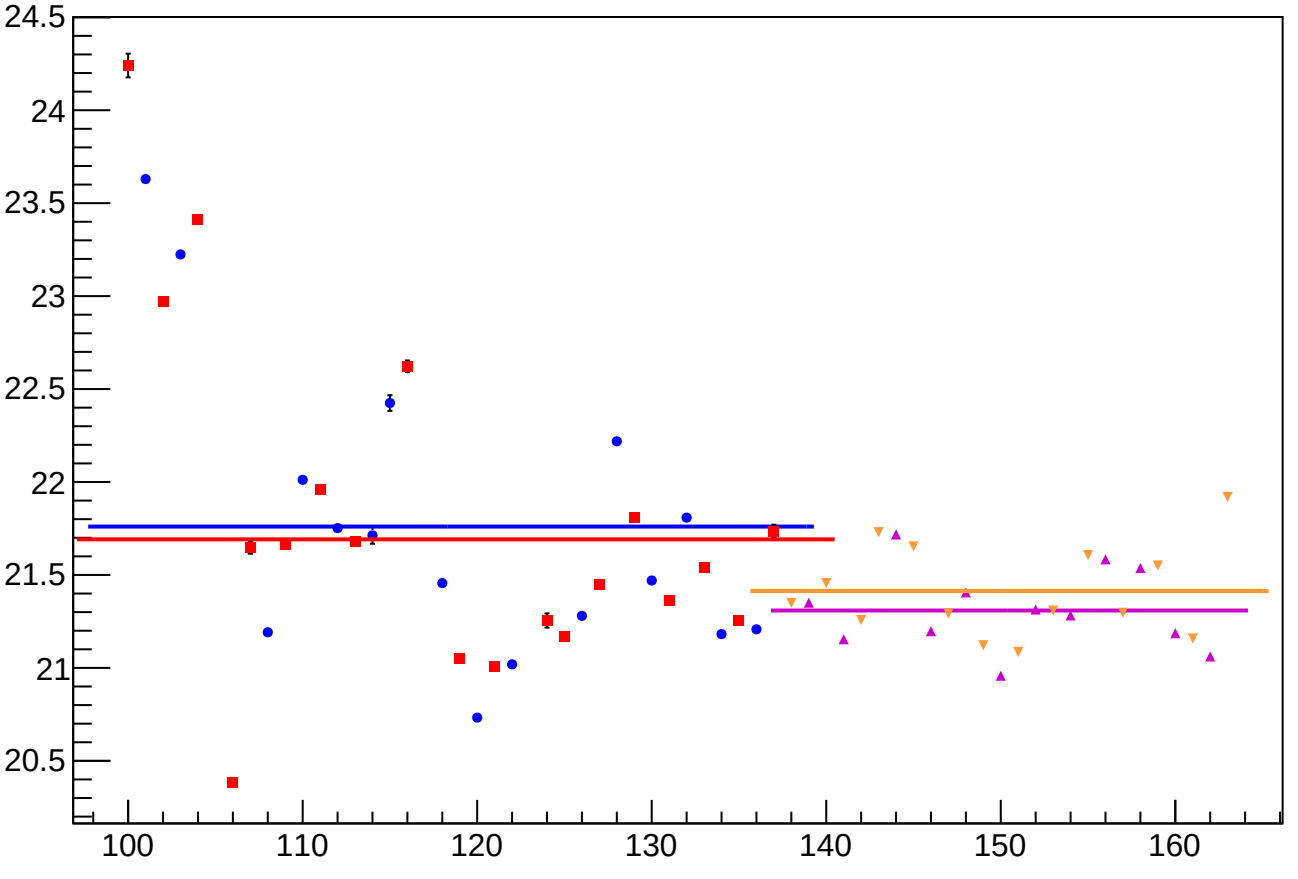
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -3.312+/-5.123 χ^2/NDF:30.4/27

Out: -17.189+/-4.975 χ^2/NDF:31.8/32

All: -10.455+/-3.569 χ^2/NDF: 66.0/60

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: 21.413+/-0.005 χ^2/NDF:2822.6/13

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.309+/-0.005 χ^2/NDF:2073.4/11

Left: 21.363+/-0.003 χ^2/NDF: 5154.7/25

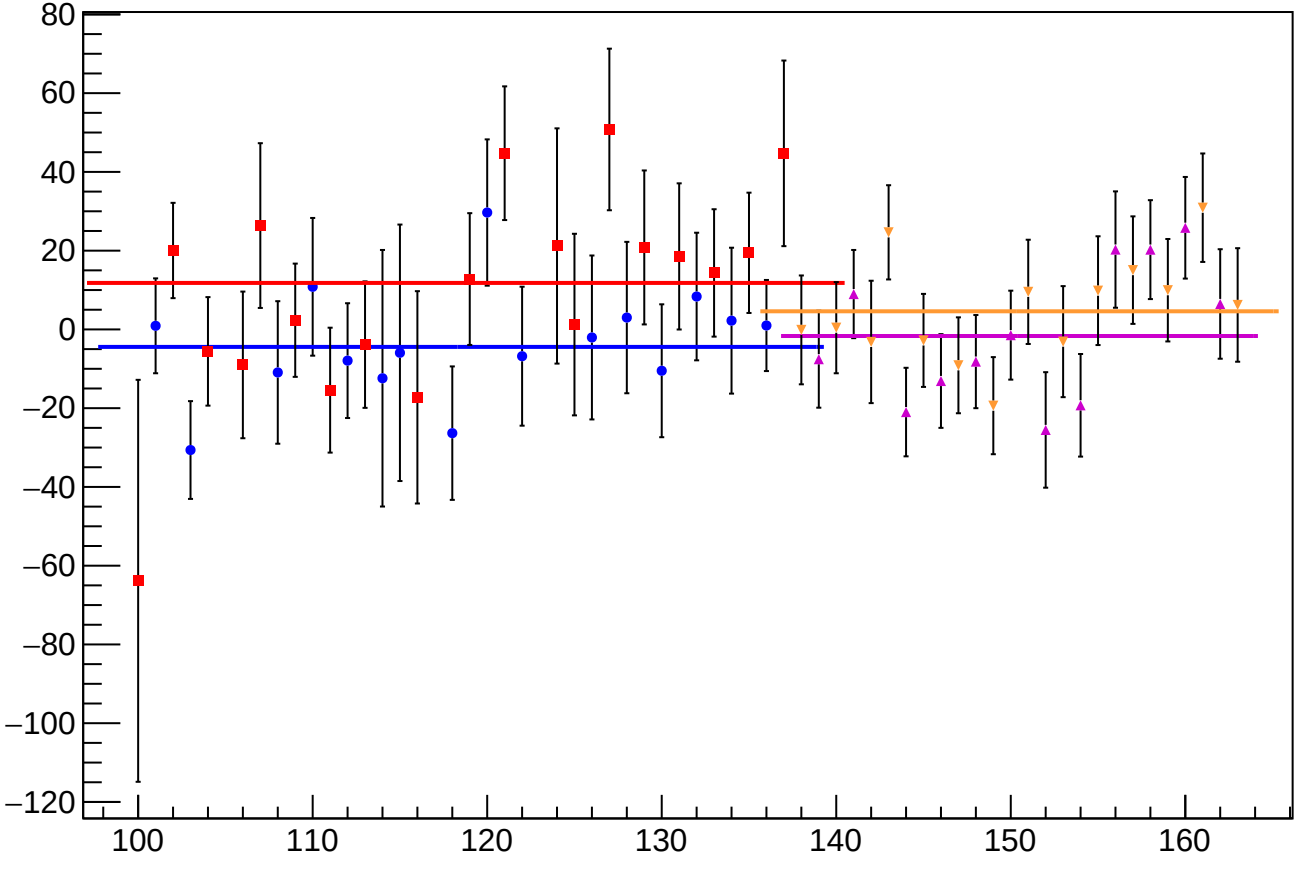
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.490+/-0.004 χ^2/NDF:25552.9/27

Out: 21.523+/-0.004 χ^2/NDF:22648.3/32

All: 21.507+/-0.003 χ^2/NDF: 48244.9/60

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 4.603+/-3.500 χ^2/NDF:13.7/13

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.672+/-3.600 χ^2/NDF:19.9/11

Left: 1.554+/-2.509 χ^2/NDF: 35.2/25

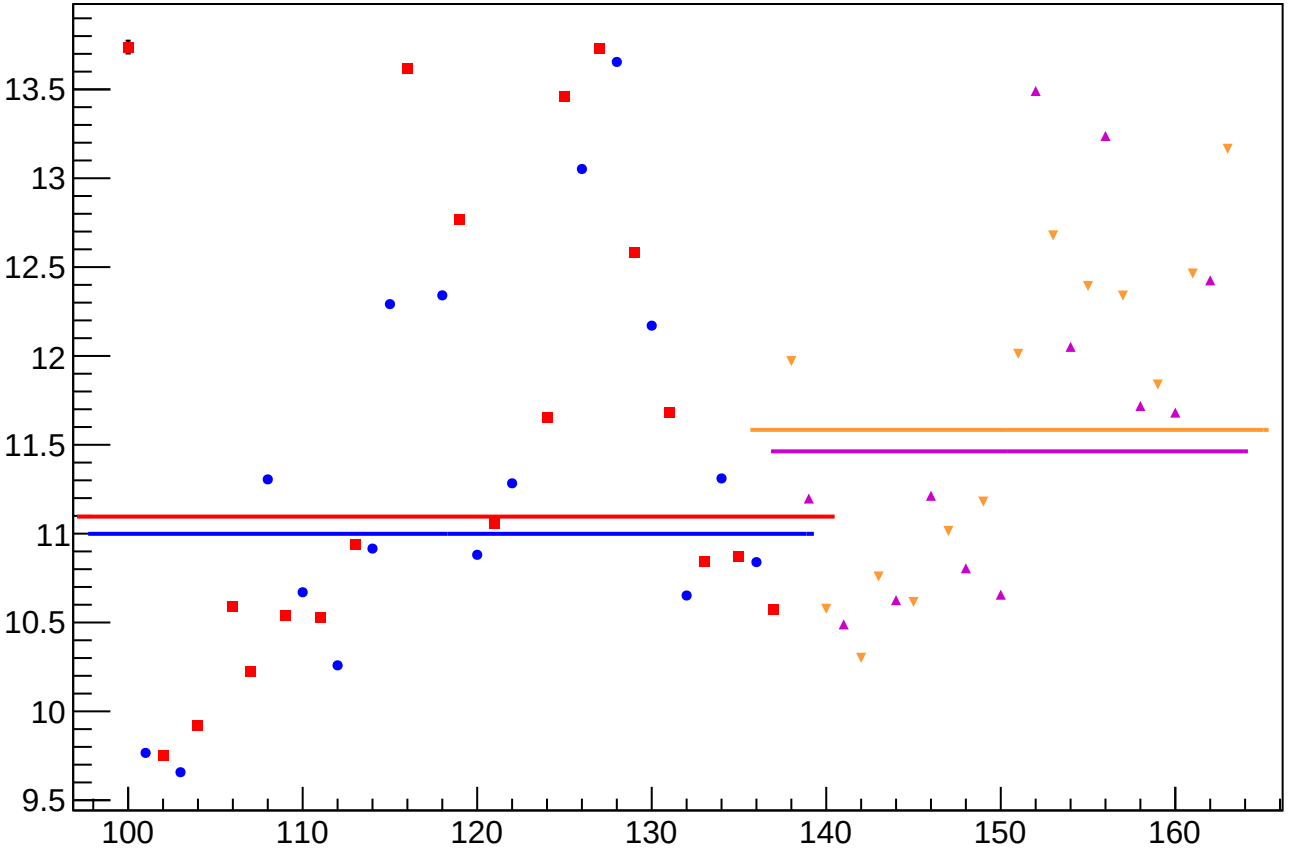
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.867+/-2.714 χ^2/NDF:32.2/27

Out: 7.642+/-2.661 χ^2/NDF:37.3/32

All: 2.491+/-1.900 χ^2/NDF: 77.1/60

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: 11.584+/-0.002 χ^2/NDF:119950.7/13

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.463+/-0.003 χ^2/NDF:126582.1/11

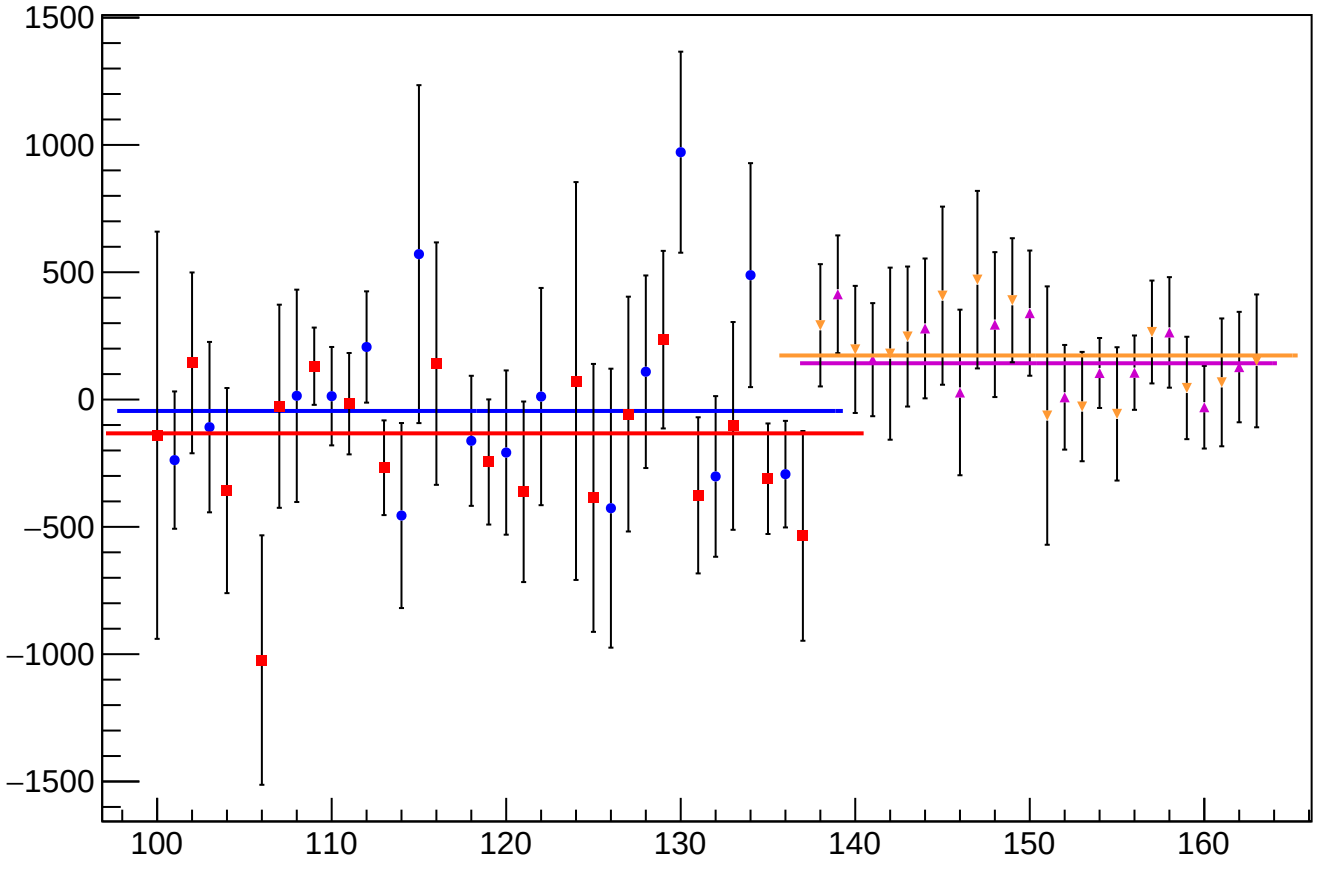
Left: 11.525+/-0.002 χ^2/NDF: 247692.4/25

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.263+/-0.002 χ^2/NDF:277089.7/27

Out: 11.378+/-0.002 χ^2/NDF:299268.5/32

All: 11.322+/-0.001 χ^2/NDF: 578200.3/60



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 142.552+/-58.266 χ^2/NDF:4.7/11

Left: 155.233+/-44.581 χ^2/NDF: 9.8/25

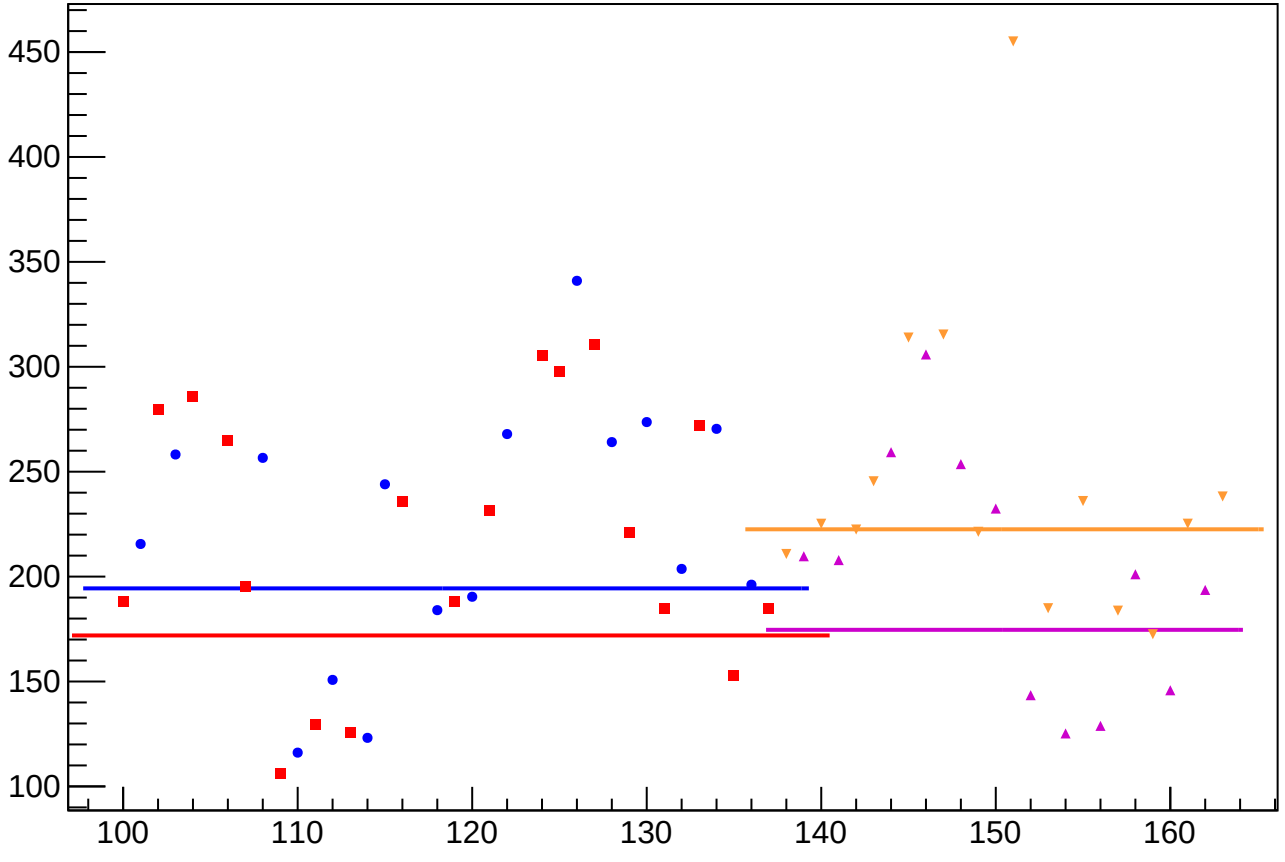
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 73.684+/-46.335 χ^2/NDF:23.9/27

Out: 18.047+/-48.613 χ^2/NDF:27.7/32

All: 47.199+/-33.540 χ^2/NDF: 52.3/60

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: 222.543+/-0.049 χ^2/NDF:988792.0/13

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 174.634+/-0.041 χ^2/NDF:1480266.1/11

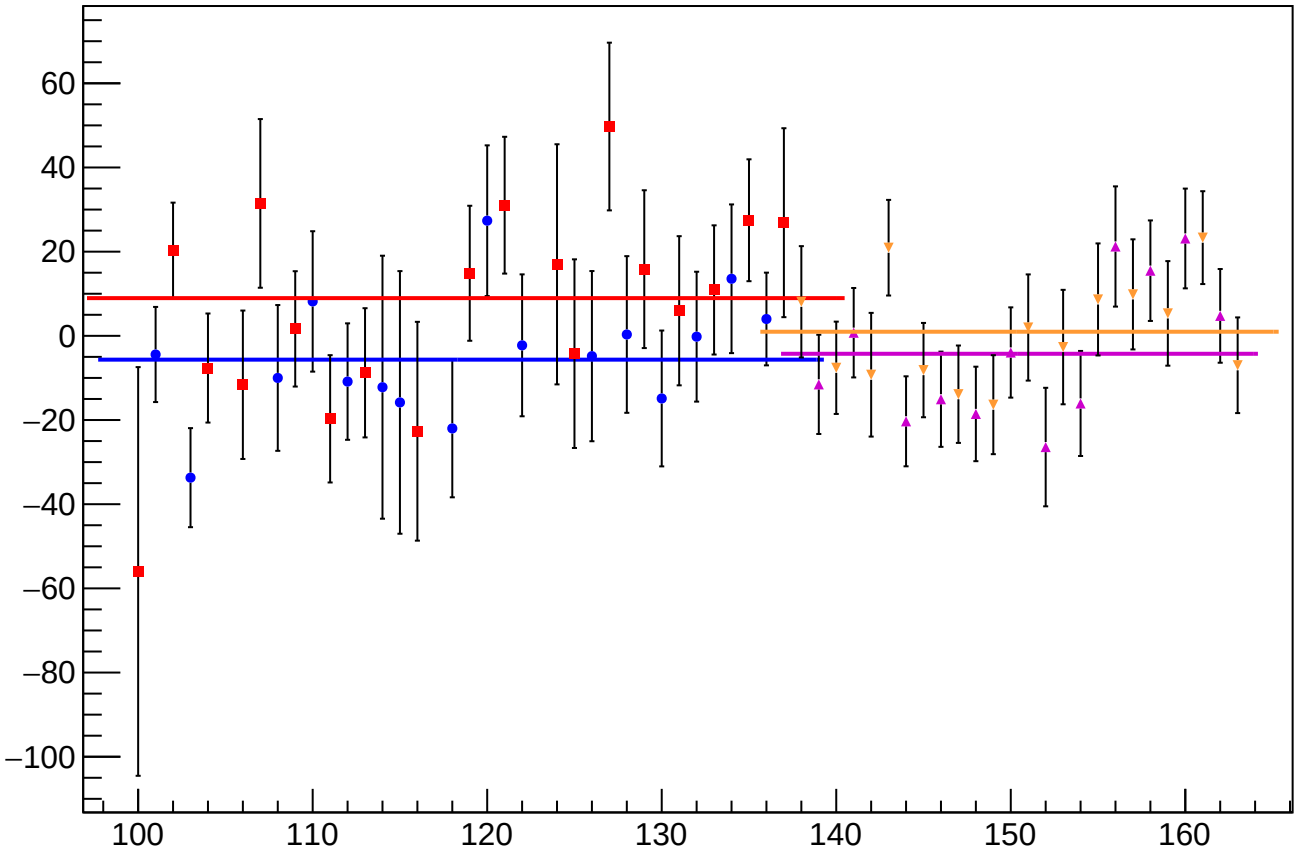
Left: 194.495+/-0.032 χ^2/NDF: 3029627.5/25

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.894+/-0.033 χ^2/NDF:2606772.9/27

Out: 196.889+/-0.034 χ^2/NDF:3181597.4/32

All: 189.032+/-0.024 χ^2/NDF: 5888070.9/60



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.977+/-3.249 χ^2/NDF:14.5/13

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.262+/-3.374 χ^2/NDF:20.7/11

Left: -1.544+/-2.341 χ^2/NDF: 36.5/25

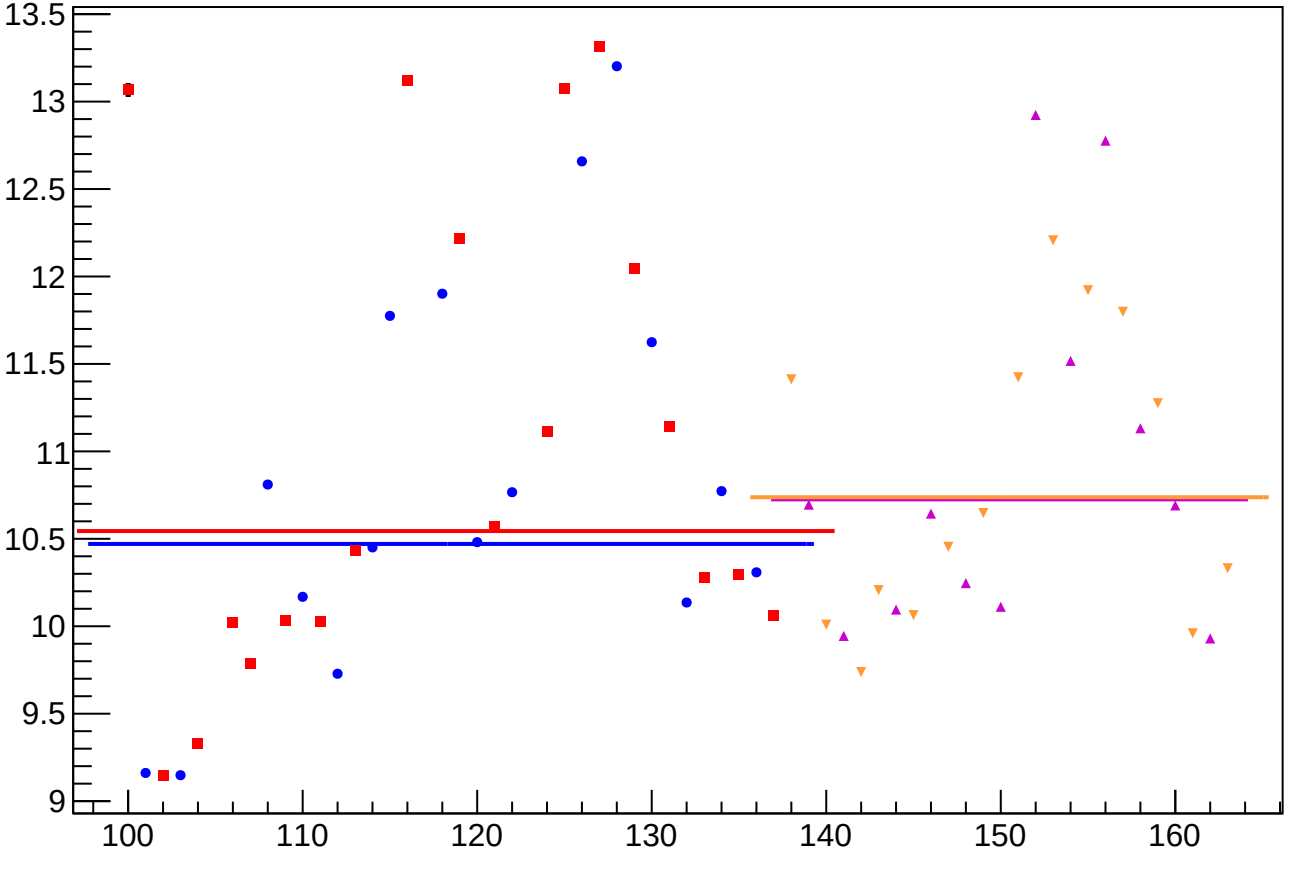
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.853+/-2.563 χ^2/NDF:34.4/27

Out: 4.247+/-2.497 χ^2/NDF:39.8/32

All: -0.184+/-1.788 χ^2/NDF: 80.7/60

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: 10.738+/-0.002 χ^2/NDF:110682.5/13

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.725+/-0.002 χ^2/NDF:138654.6/11

Left: 10.732+/-0.002 χ^2/NDF: 249350.9/25

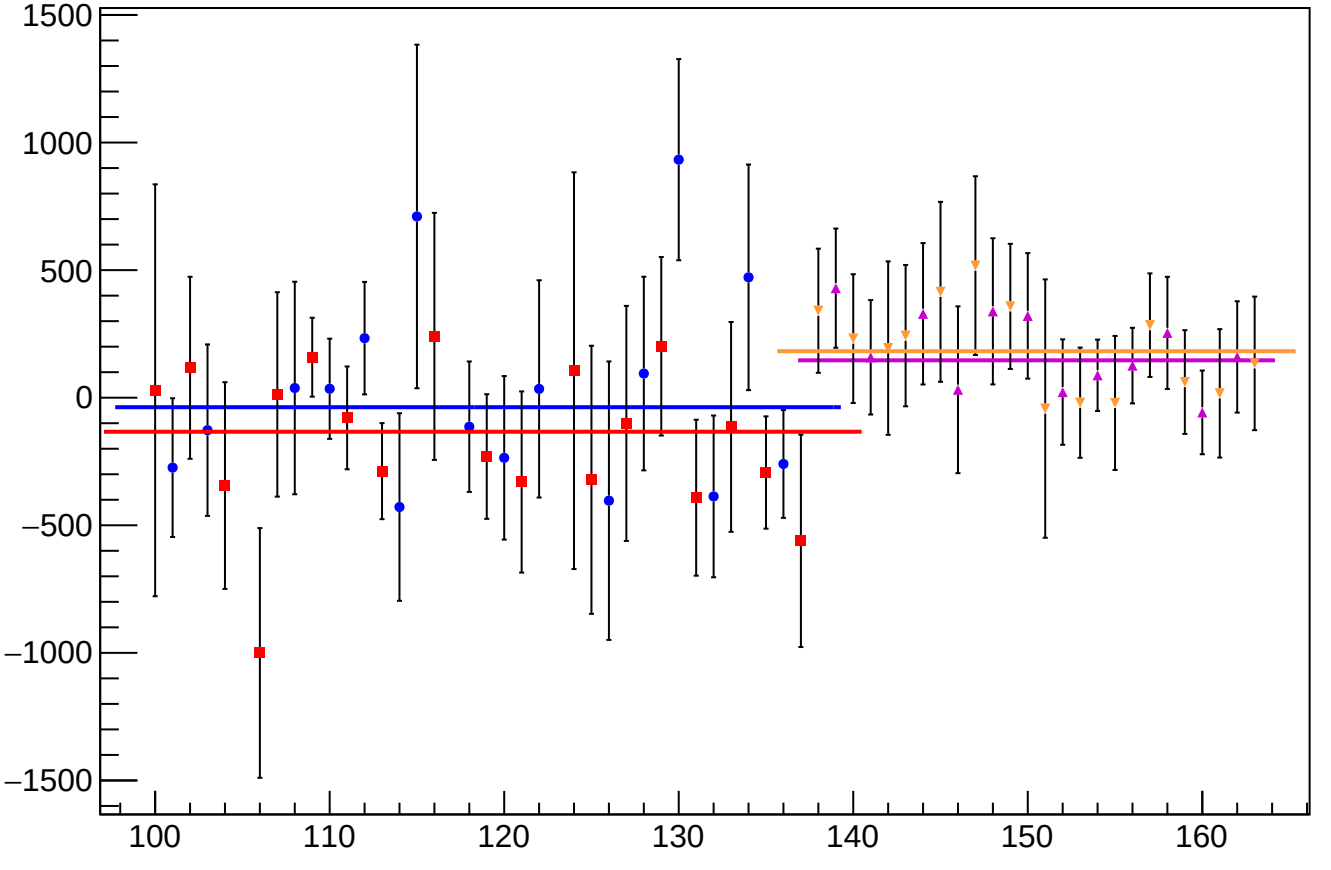
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.618+/-0.002 χ^2/NDF:300847.5/27

Out: 10.659+/-0.002 χ^2/NDF:300364.7/32

All: 10.639+/-0.001 χ^2/NDF: 601474.4/60

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 182.211+/-69.700 χ^2/NDF:5.1/13

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 146.499+/-58.892 χ^2/NDF:5.3/11

Left: 161.374+/-44.984 χ^2/NDF: 10.6/25

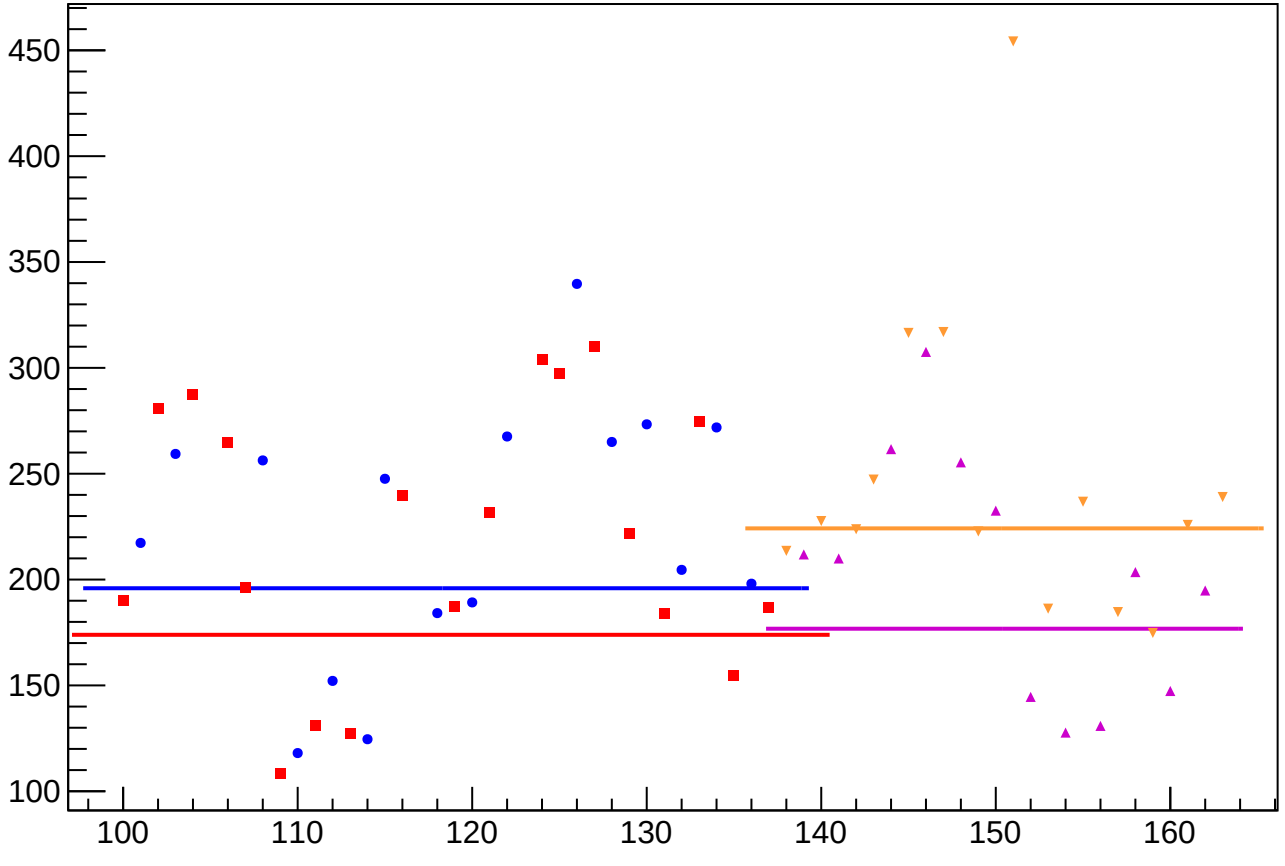
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 78.591+/-46.759 χ^2/NDF:24.6/27

Out: 22.557+/-48.995 χ^2/NDF:28.4/32

All: 51.881+/-33.827 χ^2/NDF: 53.6/60

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: 224.176+/-0.049 χ^2/NDF:975040.8/13

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 176.778+/-0.042 χ^2/NDF:1444269.9/11

Left: 196.521+/-0.032 χ^2/NDF: 2958931.0/25

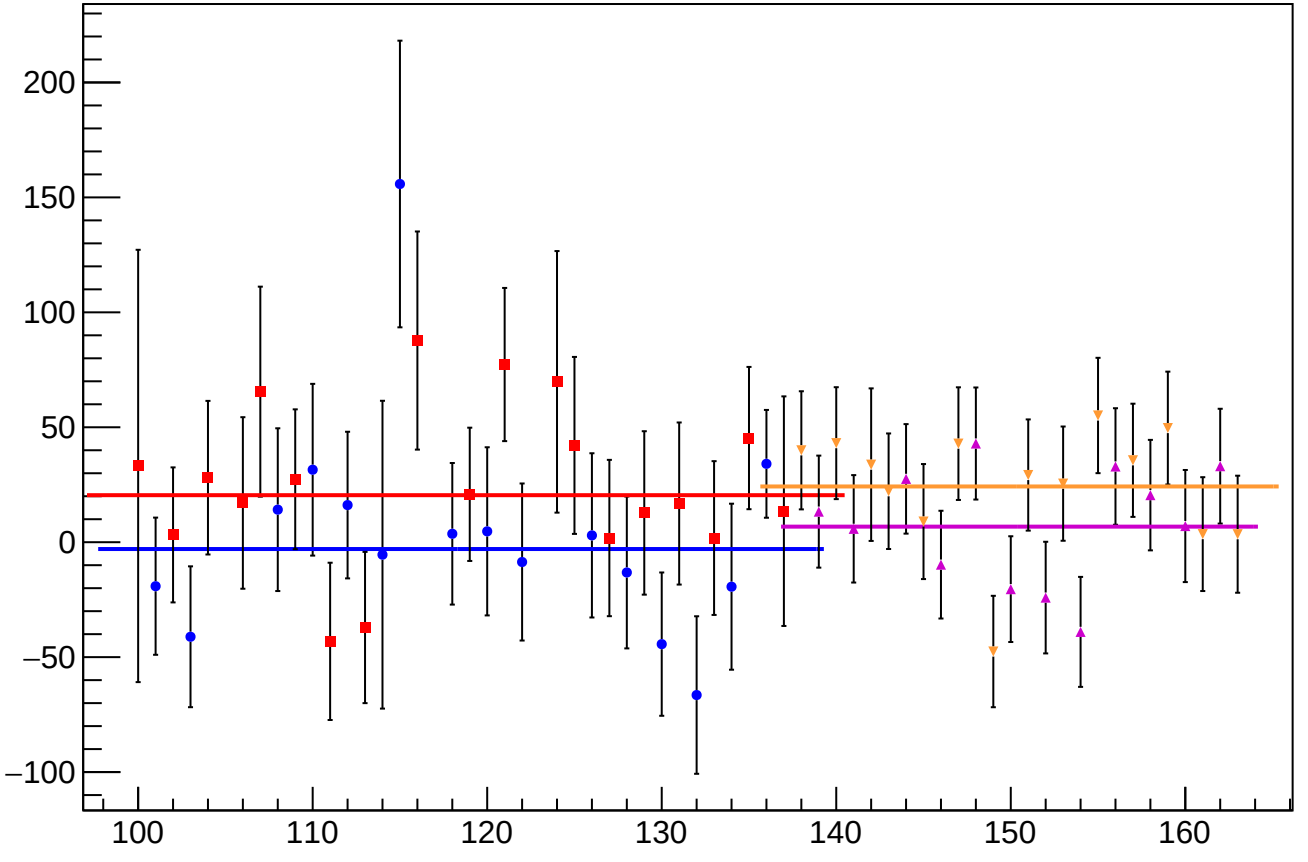
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 183.845+/-0.033 χ^2/NDF:2533204.9/27

Out: 198.743+/-0.035 χ^2/NDF:3101039.5/32

All: 190.947+/-0.024 χ^2/NDF: 5731017.1/60

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.248+/-6.733 χ^2/NDF:15.0/13

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 6.773+/-6.952 χ^2/NDF:12.7/11

Left: 15.791+/-4.837 χ^2/NDF: 31.0/25

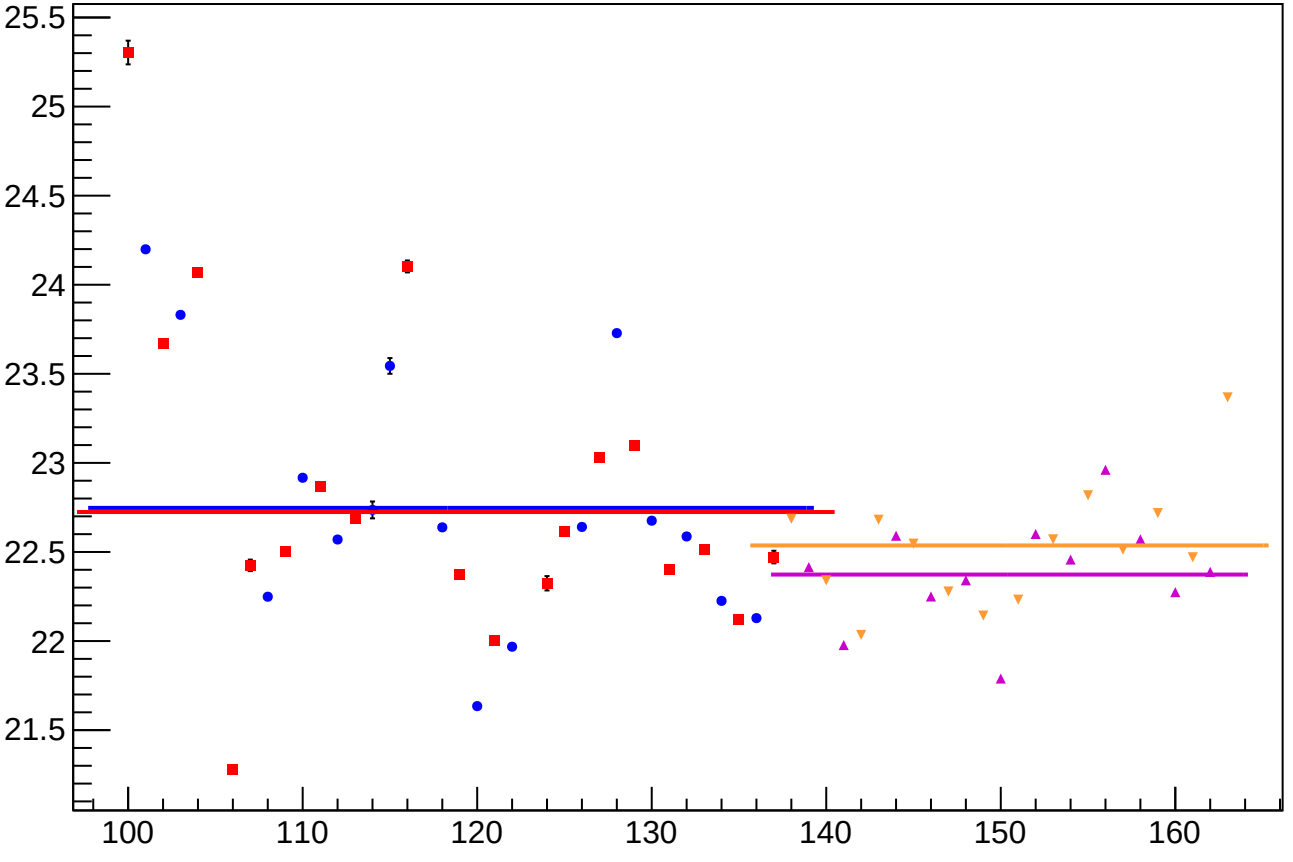
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 2.843+/-5.370 χ^2/NDF:31.4/27

Out: 22.742+/-5.227 χ^2/NDF:30.4/32

All: 13.061+/-3.745 χ^2/NDF: 68.9/60

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: 22.537+/-0.005 χ^2/NDF:4302.7/13

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.373+/-0.005 χ^2/NDF:3539.3/11

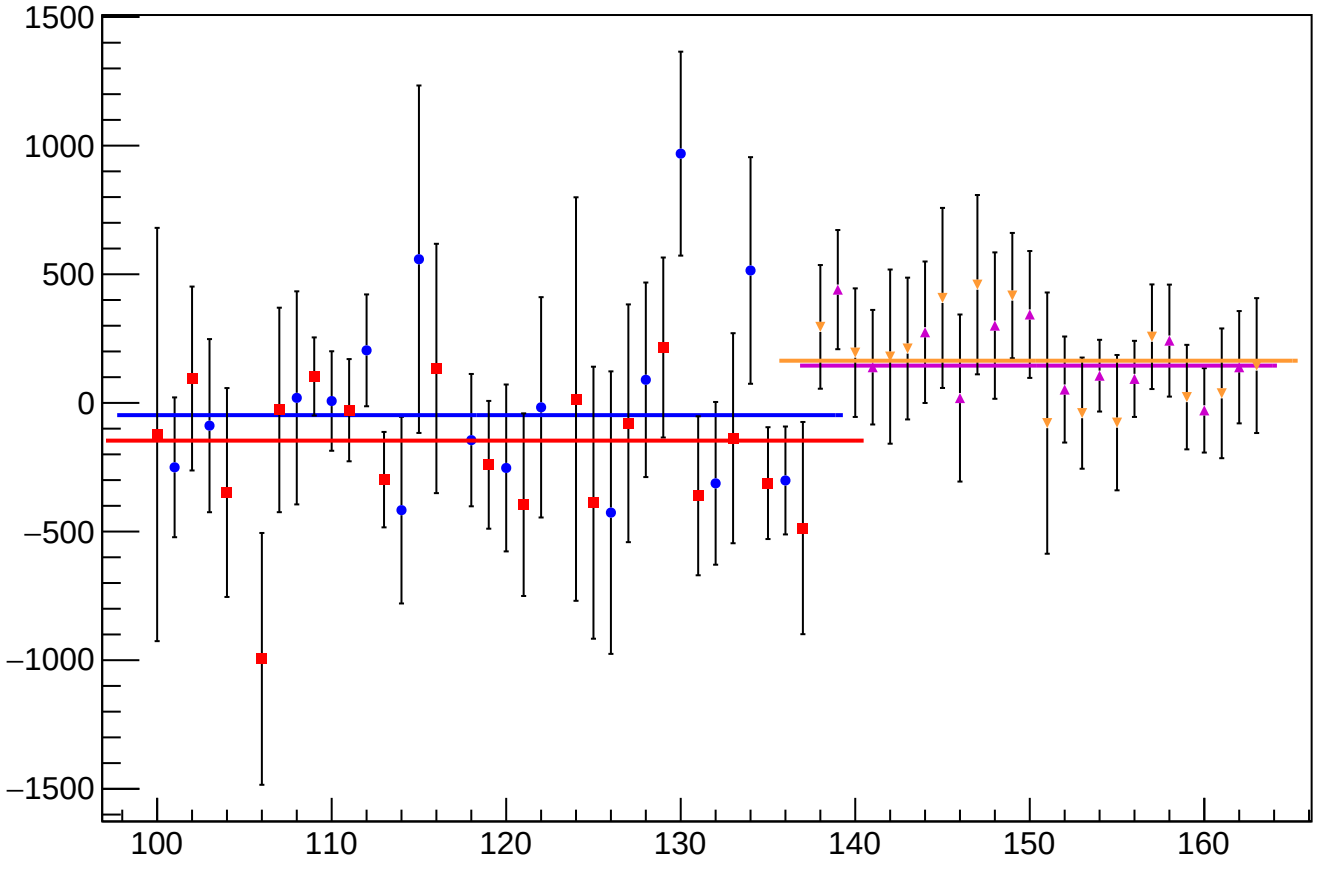
Left: 22.458+/-0.003 χ^2/NDF: 8413.0/25

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.524+/-0.004 χ^2/NDF:20500.8/27

Out: 22.611+/-0.004 χ^2/NDF:19409.8/32

All: 22.569+/-0.003 χ^2/NDF: 40180.4/60



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 164.027+/-69.514 χ^2/NDF:5.5/13

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 144.933+/-58.693 χ^2/NDF:4.7/11

Left: 152.880+/-44.846 χ^2/NDF: 10.3/25

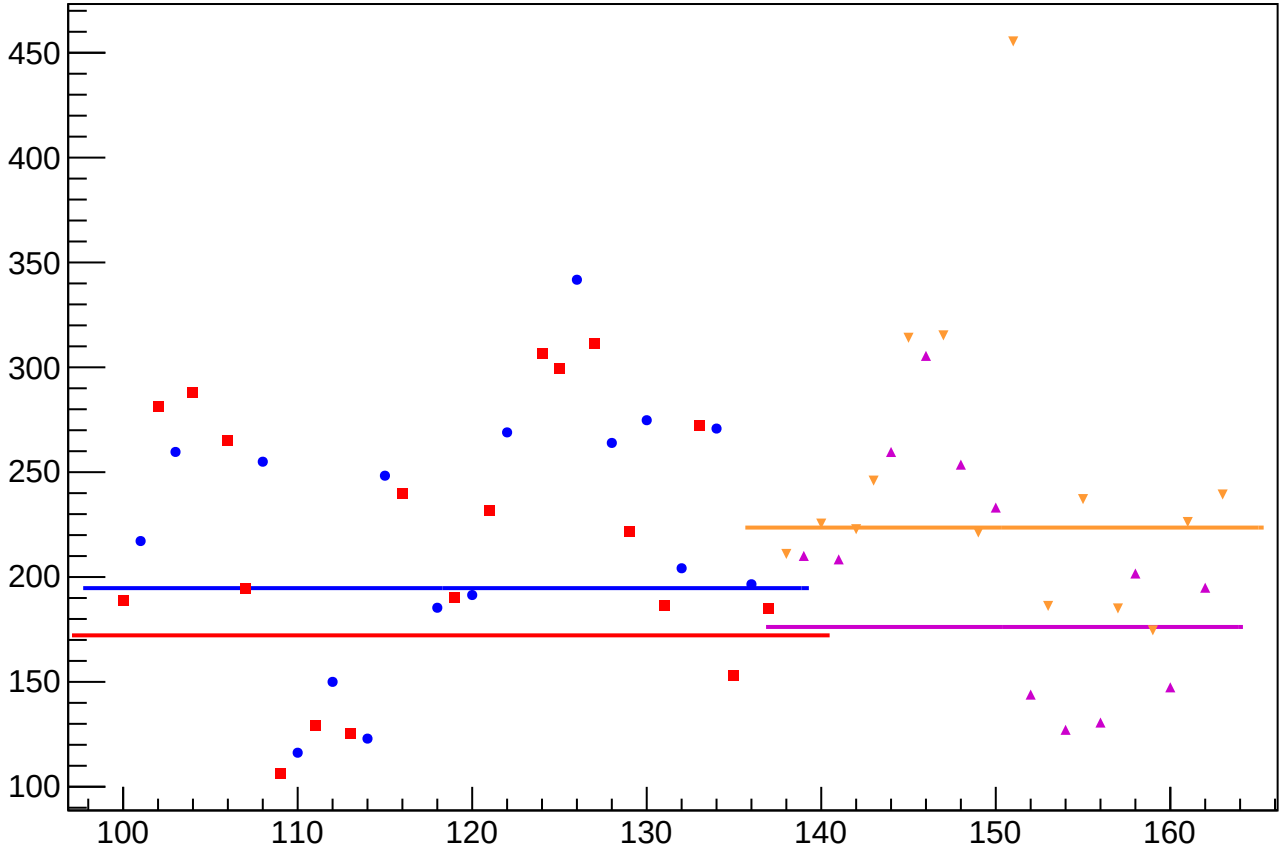
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 73.706+/-46.583 χ^2/NDF:24.1/27

Out: 6.213+/-48.755 χ^2/NDF:27.3/32

All: 41.496+/-33.681 χ^2/NDF: 52.3/60

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: 223.583+/-0.049 χ^2/NDF:968990.9/13

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 176.193+/-0.042 χ^2/NDF:1430603.6/11

Left: 195.916+/-0.032 χ^2/NDF: 2942258.8/25

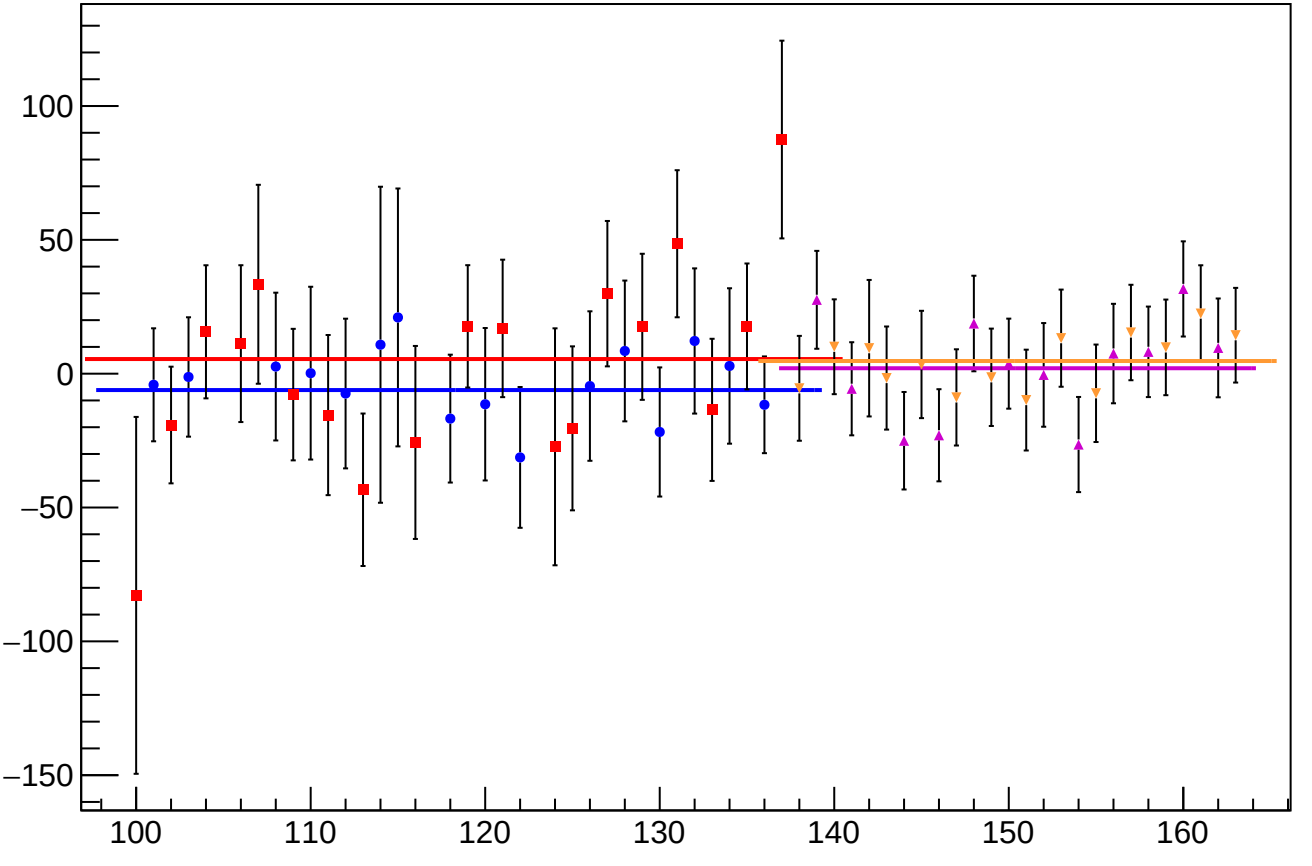
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.045+/-0.033 χ^2/NDF:2556552.0/27

Out: 197.469+/-0.034 χ^2/NDF:3195583.2/32

All: 189.928+/-0.024 χ^2/NDF: 5843639.9/60

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.731+/-4.997 χ^2/NDF:4.2/13

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 2.031+/-5.151 χ^2/NDF:13.1/11

Left: 3.422+/-3.587 χ^2/NDF: 17.4/25

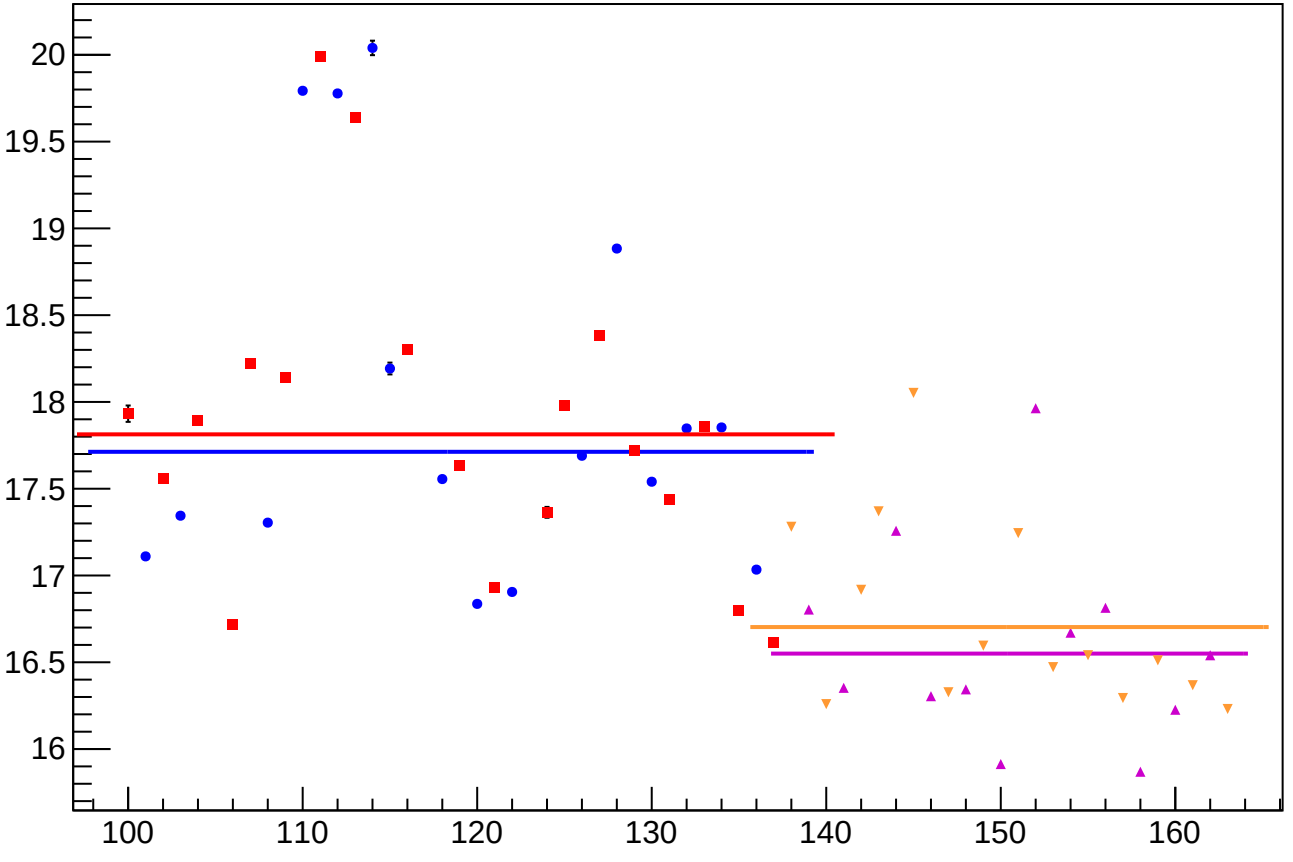
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -1.059+/-4.059 χ^2/NDF:17.2/27

Out: 5.005+/-3.964 χ^2/NDF:23.4/32

All: 2.045+/-2.836 χ^2/NDF: 41.7/60

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.703+/-0.004 χ^2/NDF:21068.2/13

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.550+/-0.004 χ^2/NDF:22255.5/11

Left: 16.629+/-0.003 χ^2/NDF: 44231.4/25

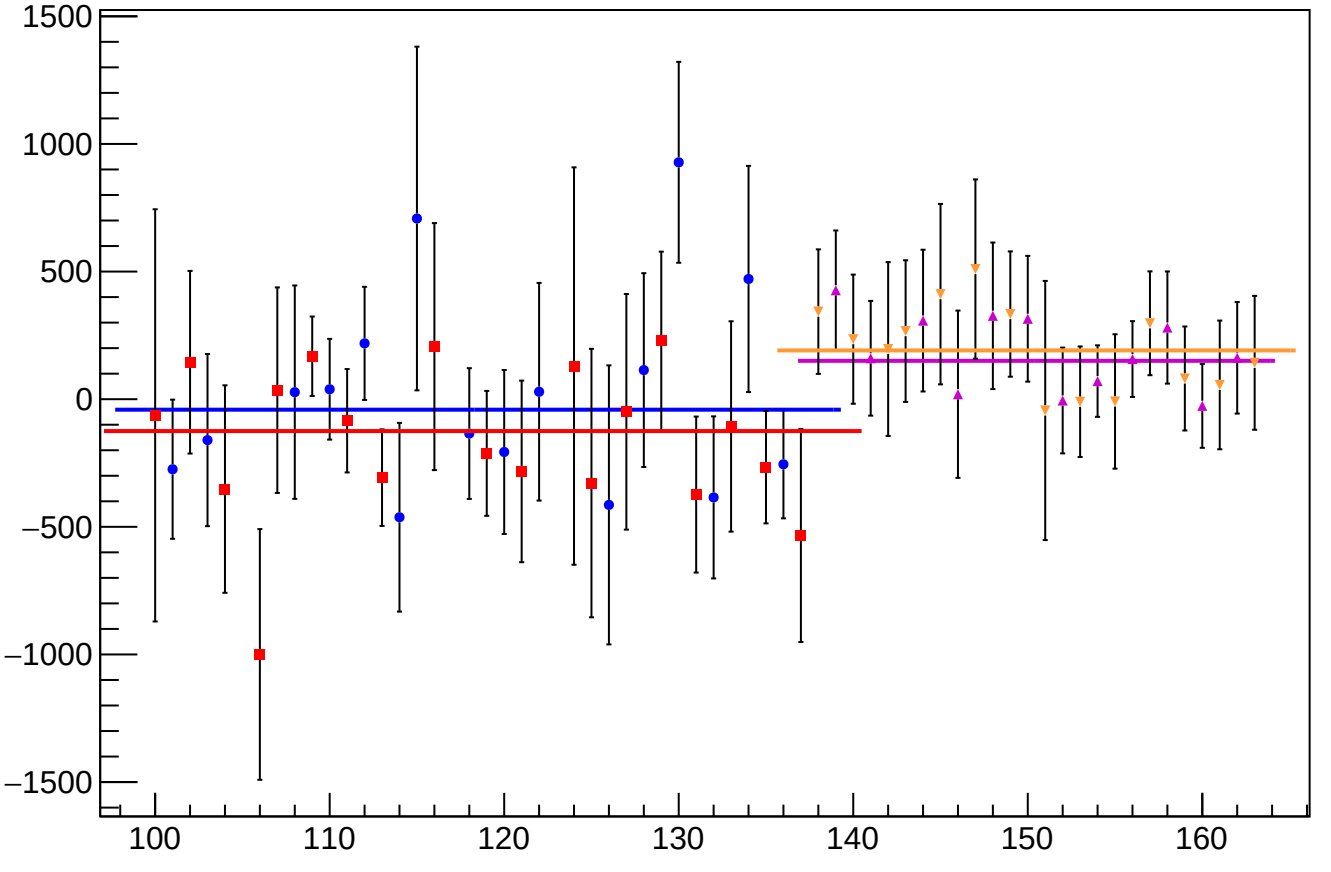
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.991+/-0.003 χ^2/NDF:96864.2/27

Out: 17.115+/-0.003 χ^2/NDF:90402.6/32

All: 17.054+/-0.002 χ^2/NDF: 188220.2/60

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: 191.039+/-69.855 χ^2/NDF:4.6/13

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 150.325+/-59.008 χ^2/NDF:5.1/11

Left: 167.279+/-45.078 χ^2/NDF: 9.9/25

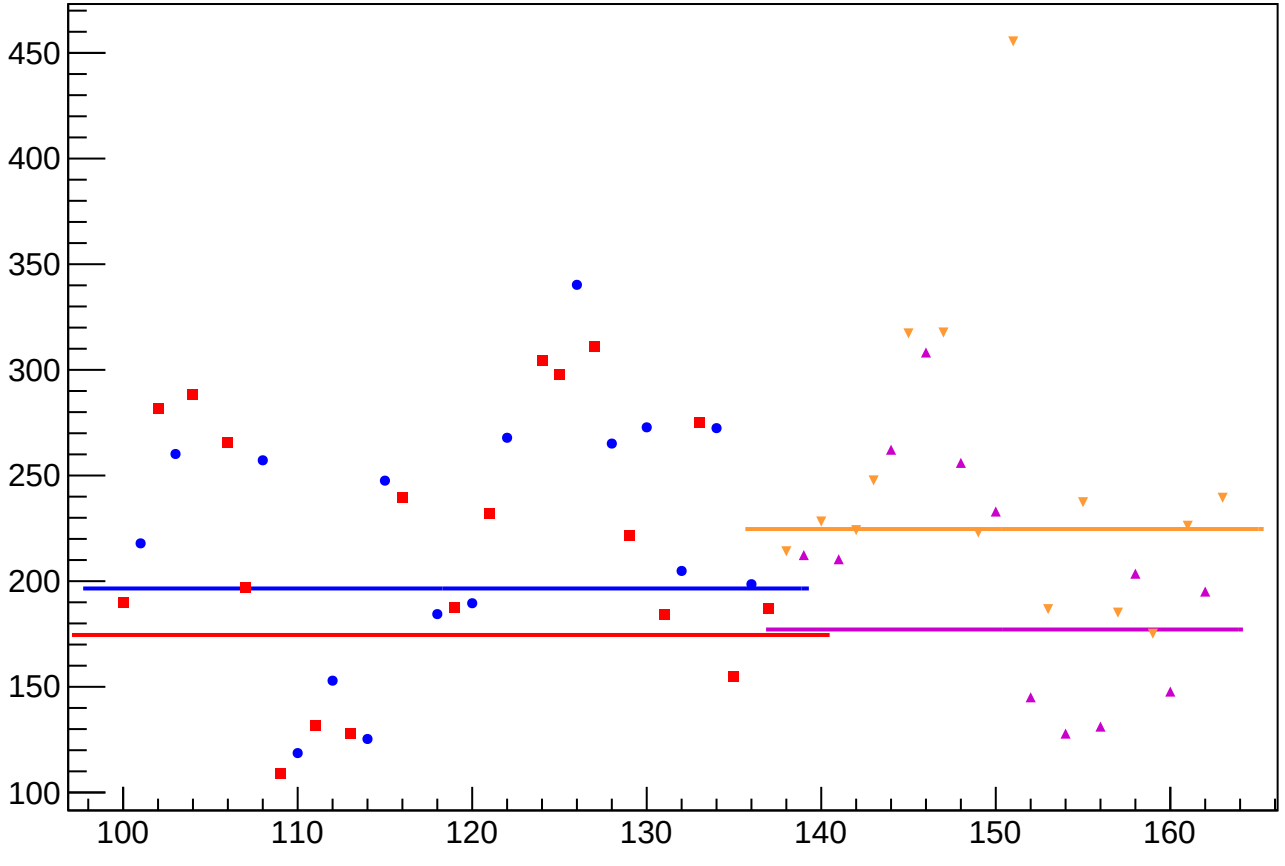
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 79.656+/-46.868 χ^2/NDF:24.6/27

Out: 31.386+/-49.129 χ^2/NDF:27.8/32

All: 56.657+/-33.912 χ^2/NDF: 52.9/60

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: 224.673+/-0.049 χ^2/NDF:975073.8/13

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 177.125+/-0.042 χ^2/NDF:1443816.2/11

Left: 196.924+/-0.032 χ^2/NDF: 2959662.3/25

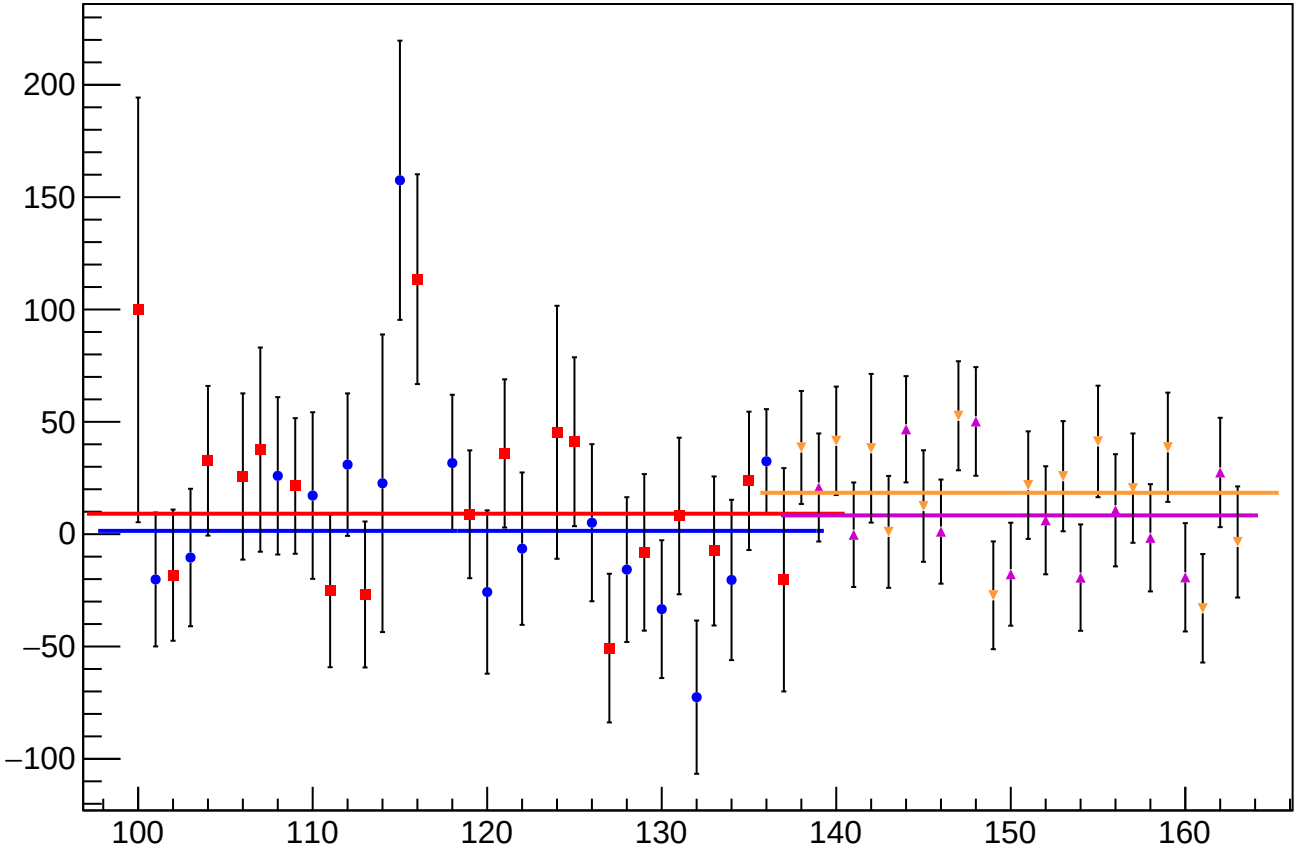
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.293+/-0.033 χ^2/NDF:2524533.1/27

Out: 199.337+/-0.035 χ^2/NDF:3084392.5/32

All: 191.461+/-0.024 χ^2/NDF: 5707116.7/60

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: 18.428+/-6.645 χ^2/NDF:15.1/13

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 8.366+/-6.880 χ^2/NDF:10.9/11

Left: 13.572+/-4.780 χ^2/NDF: 27.1/25

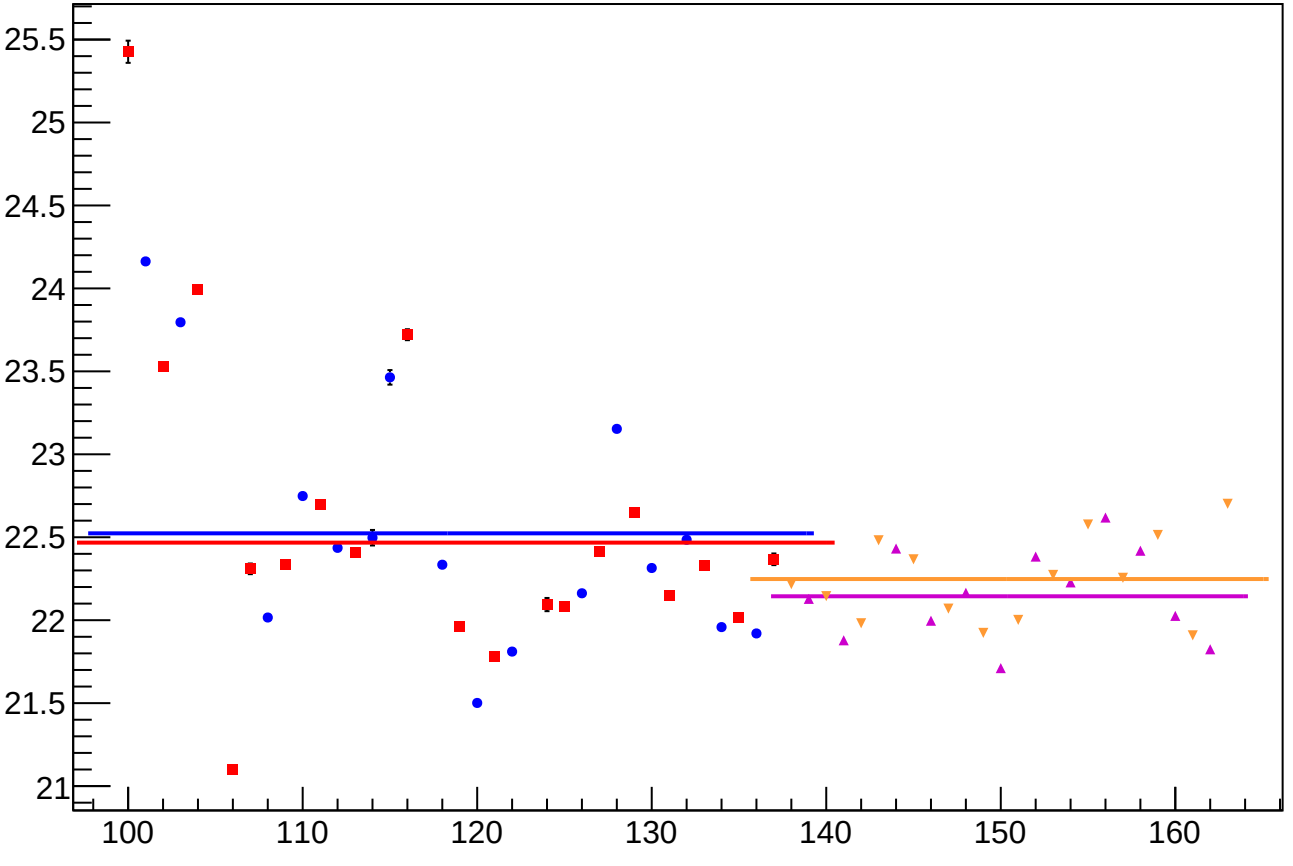
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.587+/-5.315 χ^2/NDF:30.0/27

Out: 14.735+/-5.162 χ^2/NDF:32.3/32

All: 10.294+/-3.703 χ^2/NDF: 63.8/60

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: 22.248+/-0.005 χ^2/NDF:2737.6/13

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.144+/-0.005 χ^2/NDF:2957.1/11

Left: 22.198+/-0.003 χ^2/NDF: 5930.8/25

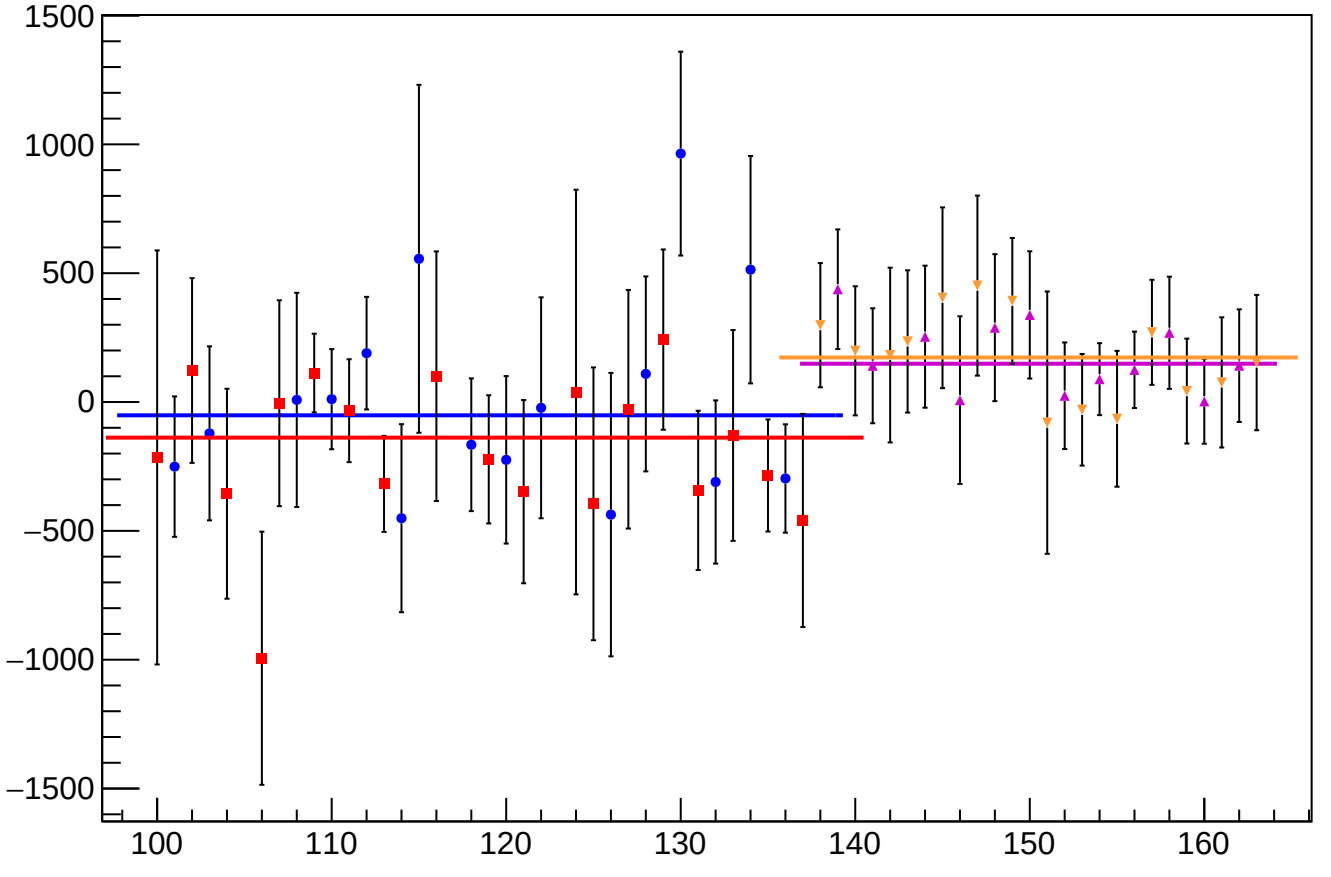
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.297+/-0.004 χ^2/NDF:21357.3/27

Out: 22.335+/-0.004 χ^2/NDF:19229.2/32

All: 22.317+/-0.003 χ^2/NDF: 40639.1/60

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 172.947+/-69.669 χ^2/NDF:5.0/13

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 148.666+/-58.808 χ^2/NDF:4.4/11

Left: 158.768+/-44.939 χ^2/NDF: 9.4/25

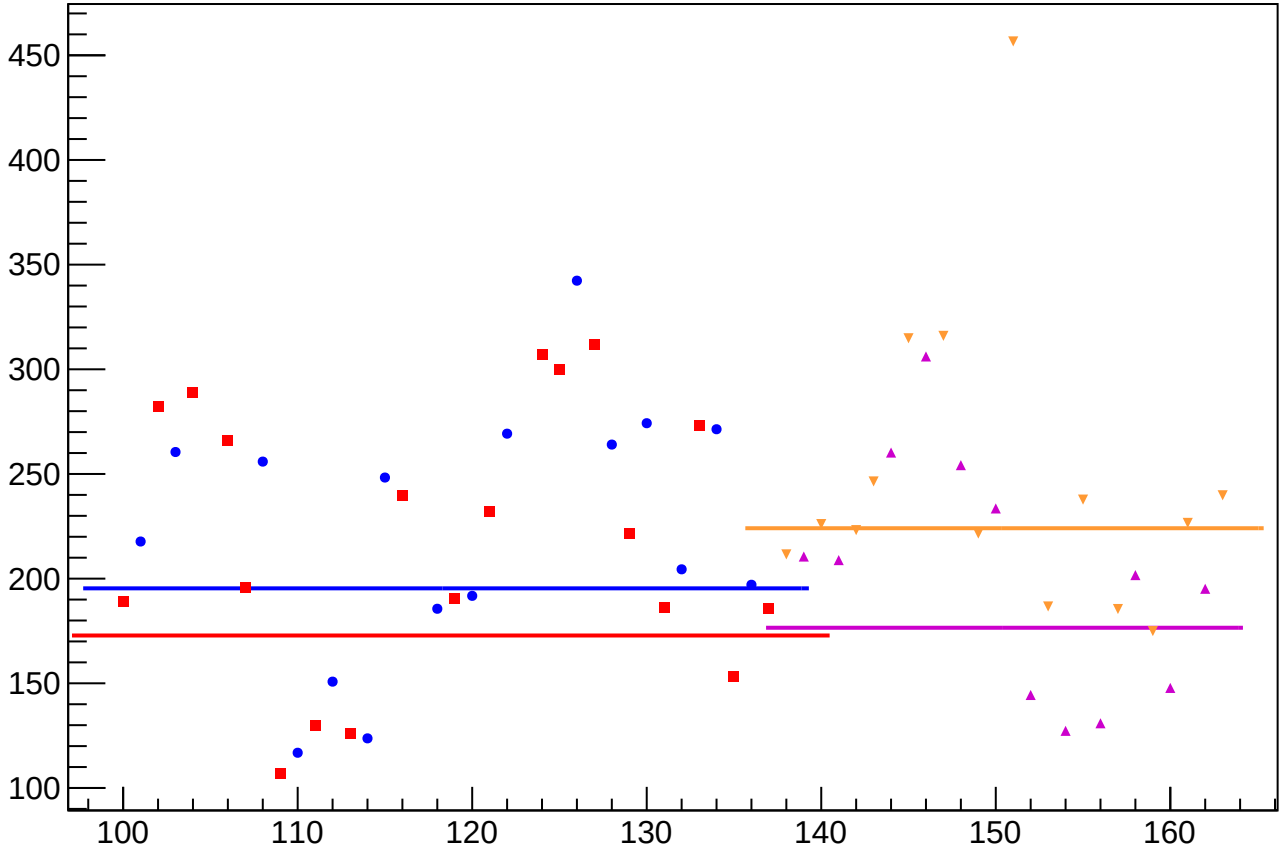
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 74.681+/-46.691 χ^2/NDF:24.0/27

Out: 15.032+/-48.890 χ^2/NDF:26.7/32

All: 46.228+/-33.766 χ^2/NDF: 51.5/60

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: 224.079+/-0.049 χ^2/NDF:969030.0/13

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 176.537+/-0.042 χ^2/NDF:1430269.6/11

Left: 196.318+/-0.032 χ^2/NDF: 2943133.0/25

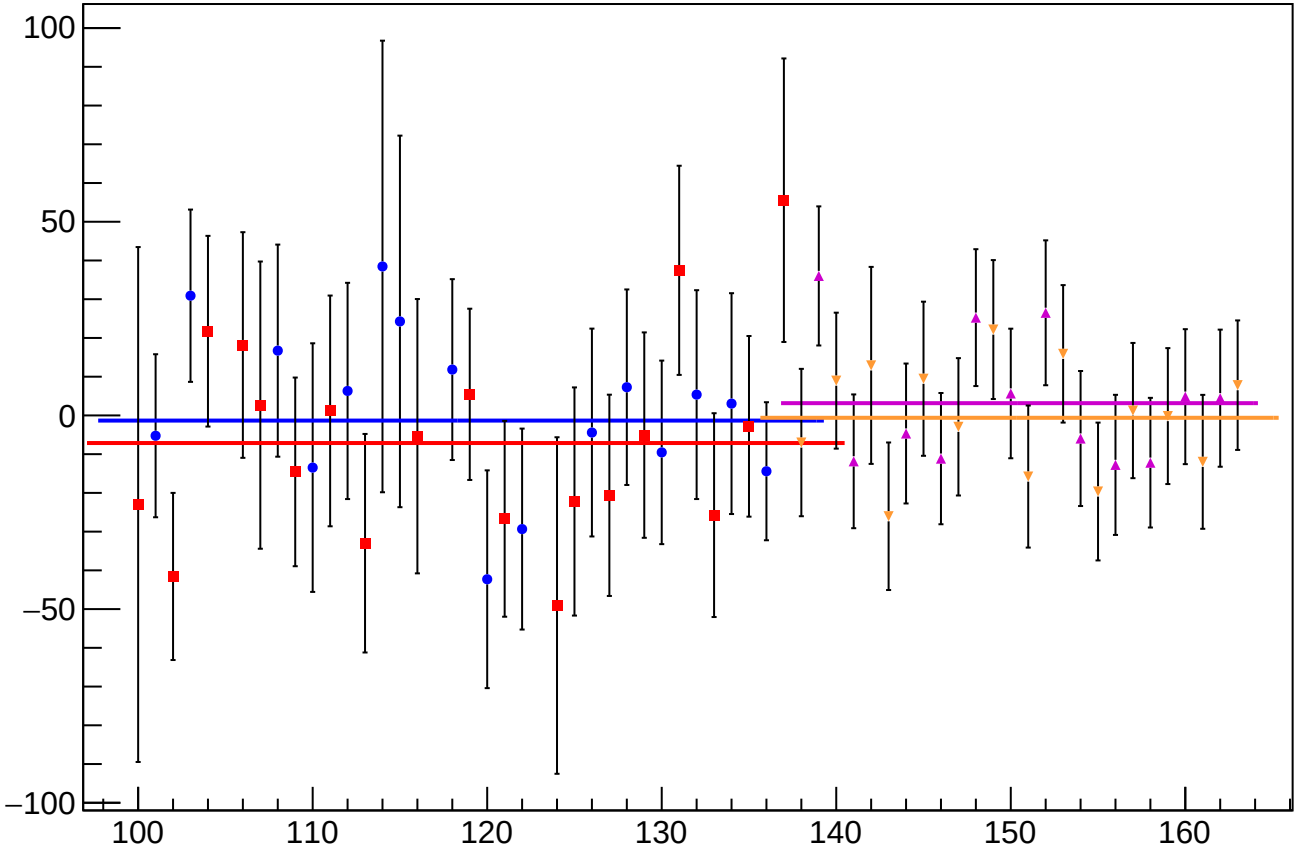
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 183.495+/-0.033 χ^2/NDF:2547442.6/27

Out: 198.071+/-0.035 χ^2/NDF:3177602.4/32

All: 190.448+/-0.024 χ^2/NDF: 5818017.9/60

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: -0.612+/-4.886 χ^2/NDF:7.8/13

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 3.166+/-5.061 χ^2/NDF:10.1/11

Left: 1.211+/-3.515 χ^2/NDF: 18.1/25

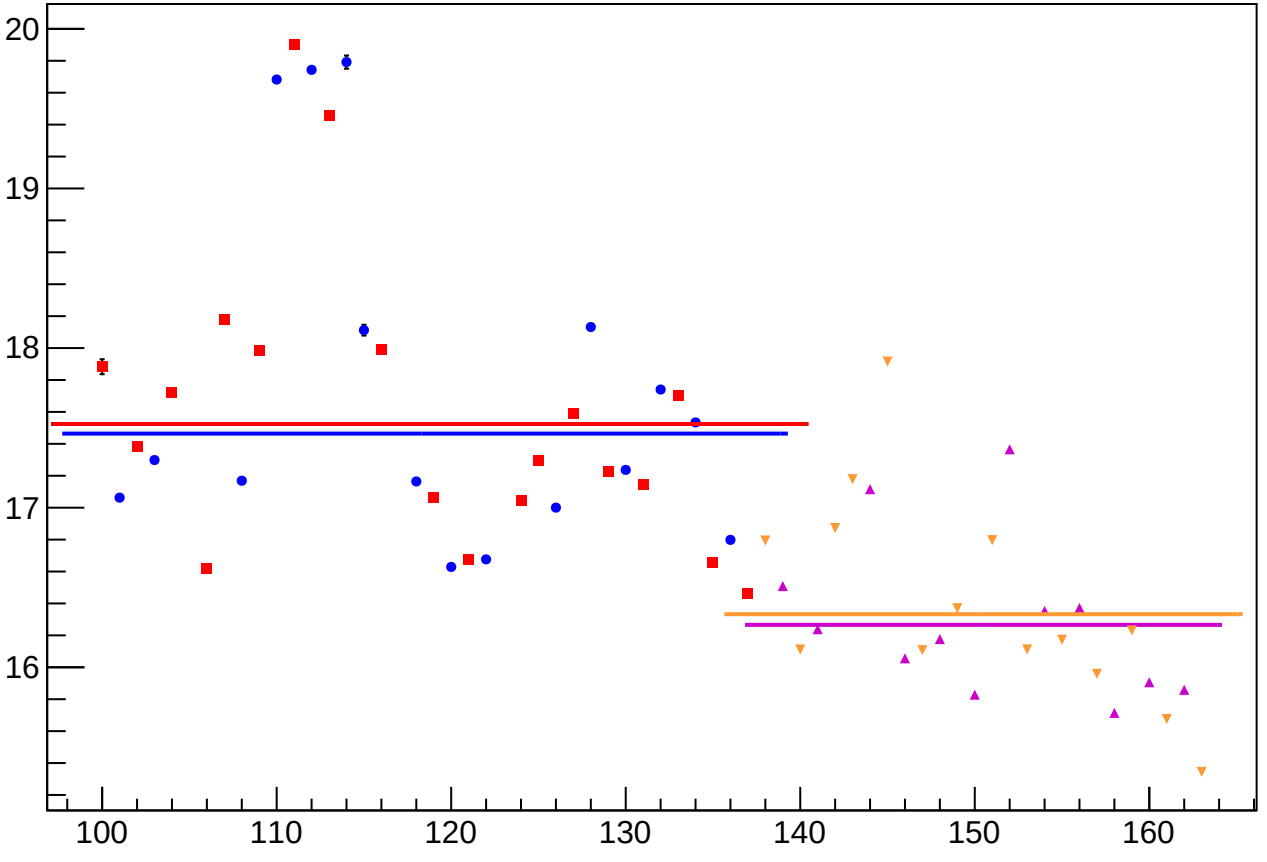
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 1.469+/-3.993 χ^2/NDF:18.4/27

Out: -3.009+/-3.884 χ^2/NDF:22.8/32

All: -0.832+/-2.784 χ^2/NDF: 41.8/60

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: 16.333+/-0.003 χ^2/NDF:31945.5/13

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.266+/-0.004 χ^2/NDF:17645.0/11

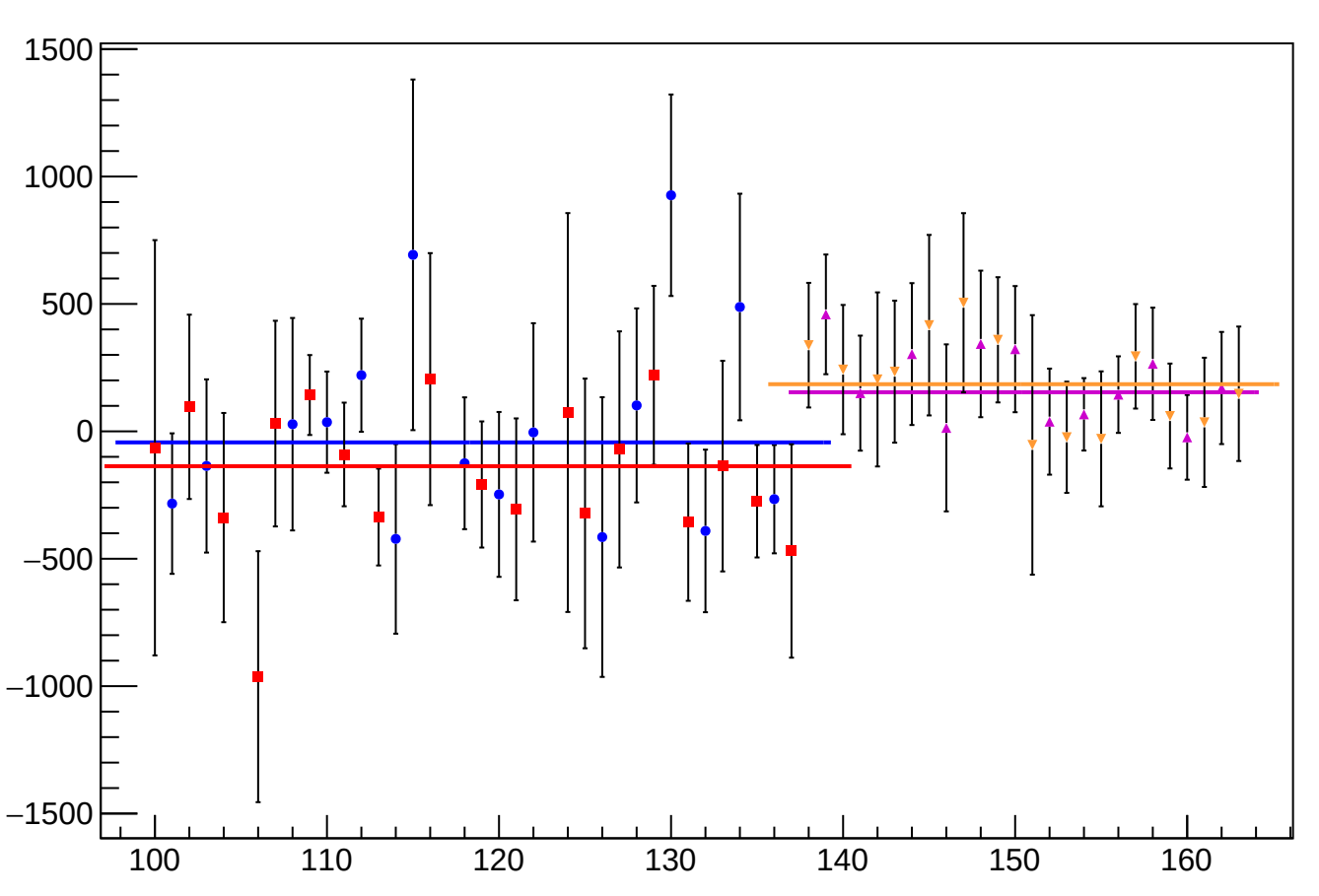
Left: 16.300+/-0.002 χ^2/NDF: 49771.6/25

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.718+/-0.003 χ^2/NDF:96634.7/27

Out: 16.771+/-0.003 χ^2/NDF:110460.4/32

All: 16.745+/-0.002 χ^2/NDF: 207277.0/60



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 185.010+/-70.229 χ^2/NDF:5.0/13

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 153.563+/-59.480 χ^2/NDF:5.1/11

Left: 166.699+/-45.388 χ^2/NDF: 10.3/25

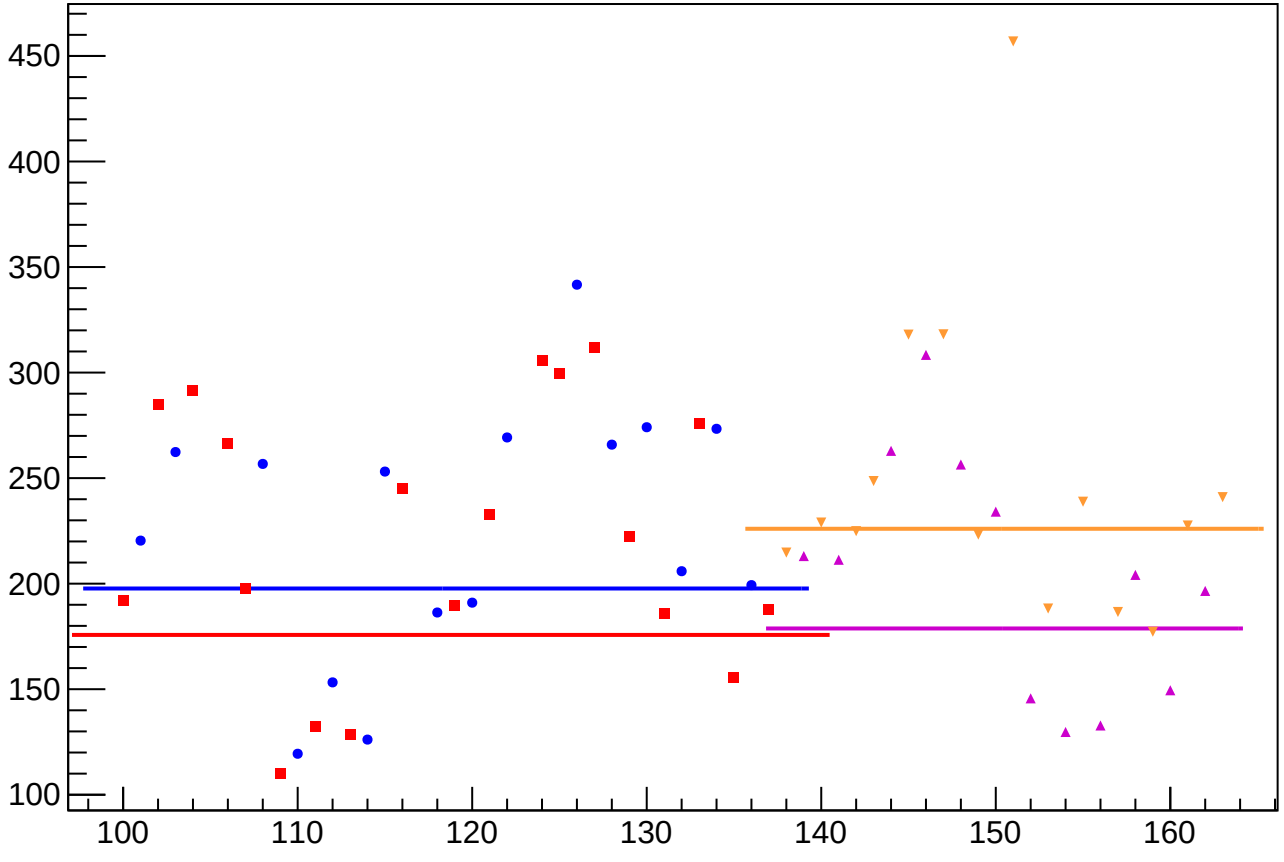
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 80.657+/-47.204 χ^2/NDF:24.7/27

Out: 22.570+/-49.420 χ^2/NDF:27.2/32

All: 52.945+/-34.135 χ^2/NDF: 52.6/60

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: 226.004+/-0.050 χ^2/NDF:958606.3/13

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 178.770+/-0.042 χ^2/NDF:1402920.5/11

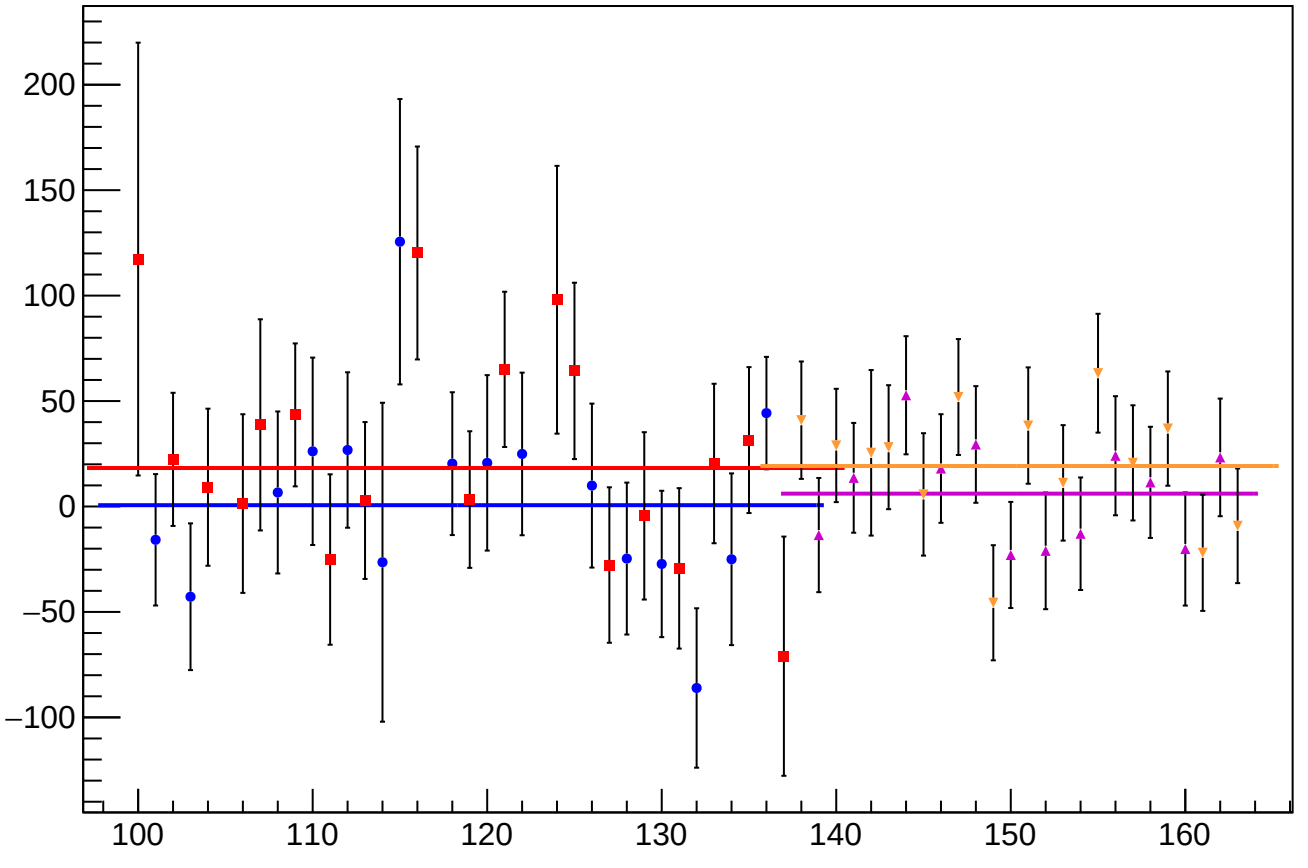
Left: 198.500+/-0.032 χ^2/NDF: 2888358.2/25

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 185.780+/-0.033 χ^2/NDF:2478294.8/27

Out: 200.618+/-0.035 χ^2/NDF:3066856.0/32

All: 192.859+/-0.024 χ^2/NDF: 5639432.4/60



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 19.191+/-7.534 χ^2/NDF:14.9/13

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 6.094+/-7.764 χ^2/NDF:8.9/11

Left: 12.839+/-5.407 χ^2/NDF: 25.3/25

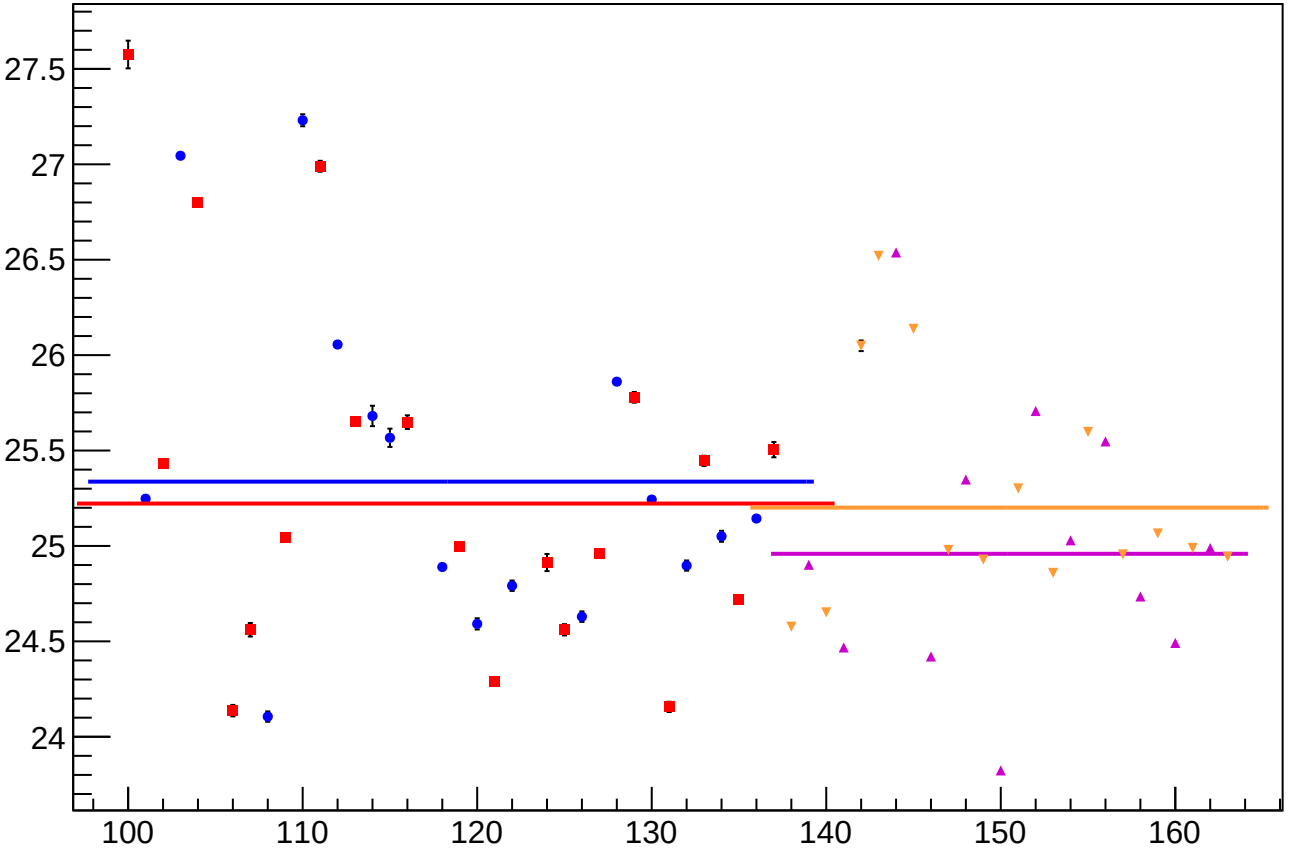
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 3.880+/-5.992 χ^2/NDF:25.8/27

Out: 18.813+/-5.831 χ^2/NDF:32.9/32

All: 11.549+/-4.179 χ^2/NDF: 61.9/60

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: 25.201+/-0.005 χ^2/NDF:10459.5/13

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.959+/-0.005 χ^2/NDF:15518.2/11

Left: 25.084+/-0.004 χ^2/NDF: 26979.7/25

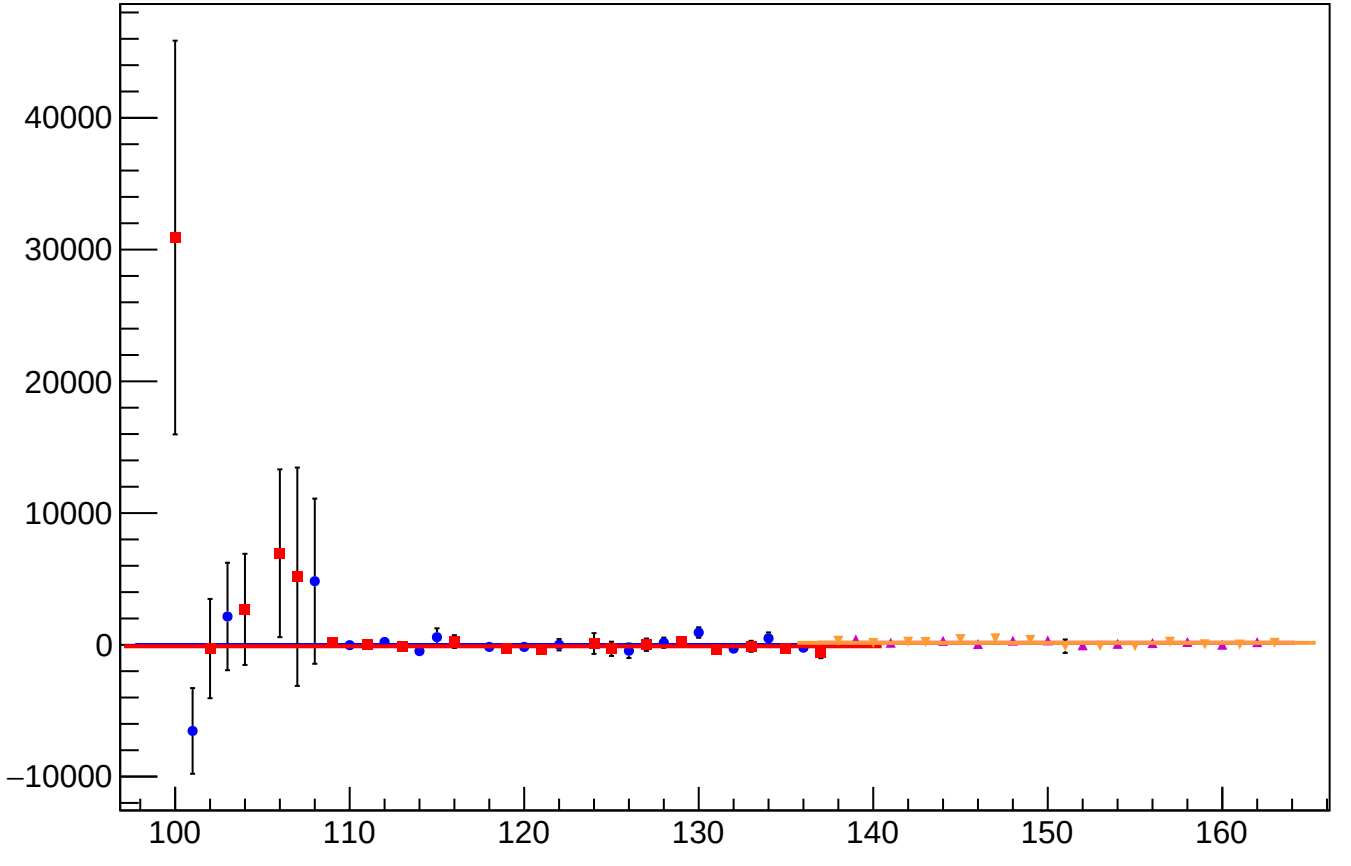
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.112+/-0.004 χ^2/NDF:31752.6/27

Out: 25.209+/-0.004 χ^2/NDF:25690.3/32

All: 25.162+/-0.003 χ^2/NDF: 57715.9/60

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 151.451+/-71.388 χ^2/NDF:5.6/13

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 155.316+/-60.636 χ^2/NDF:4.3/11

Left: 153.696+/-46.215 χ^2/NDF: 9.9/25

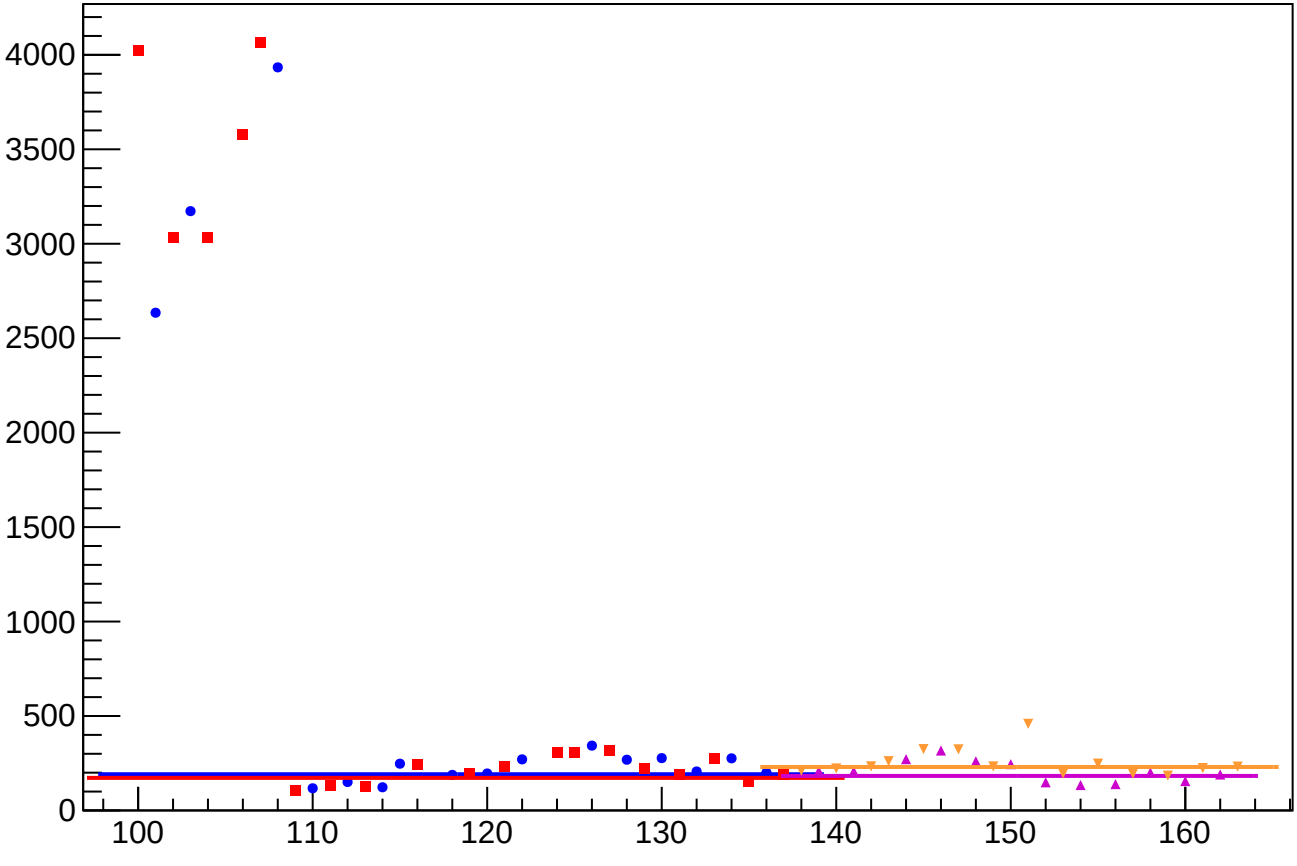
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 97.454+/-49.304 χ^2/NDF:25.3/27

Out: 32.973+/-52.692 χ^2/NDF:25.7/32

All: 67.353+/-36.001 χ^2/NDF: 51.8/60

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: 230.108+/-0.050 χ^2/NDF:919063.5/13

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 182.840+/-0.043 χ^2/NDF:1298287.1/11

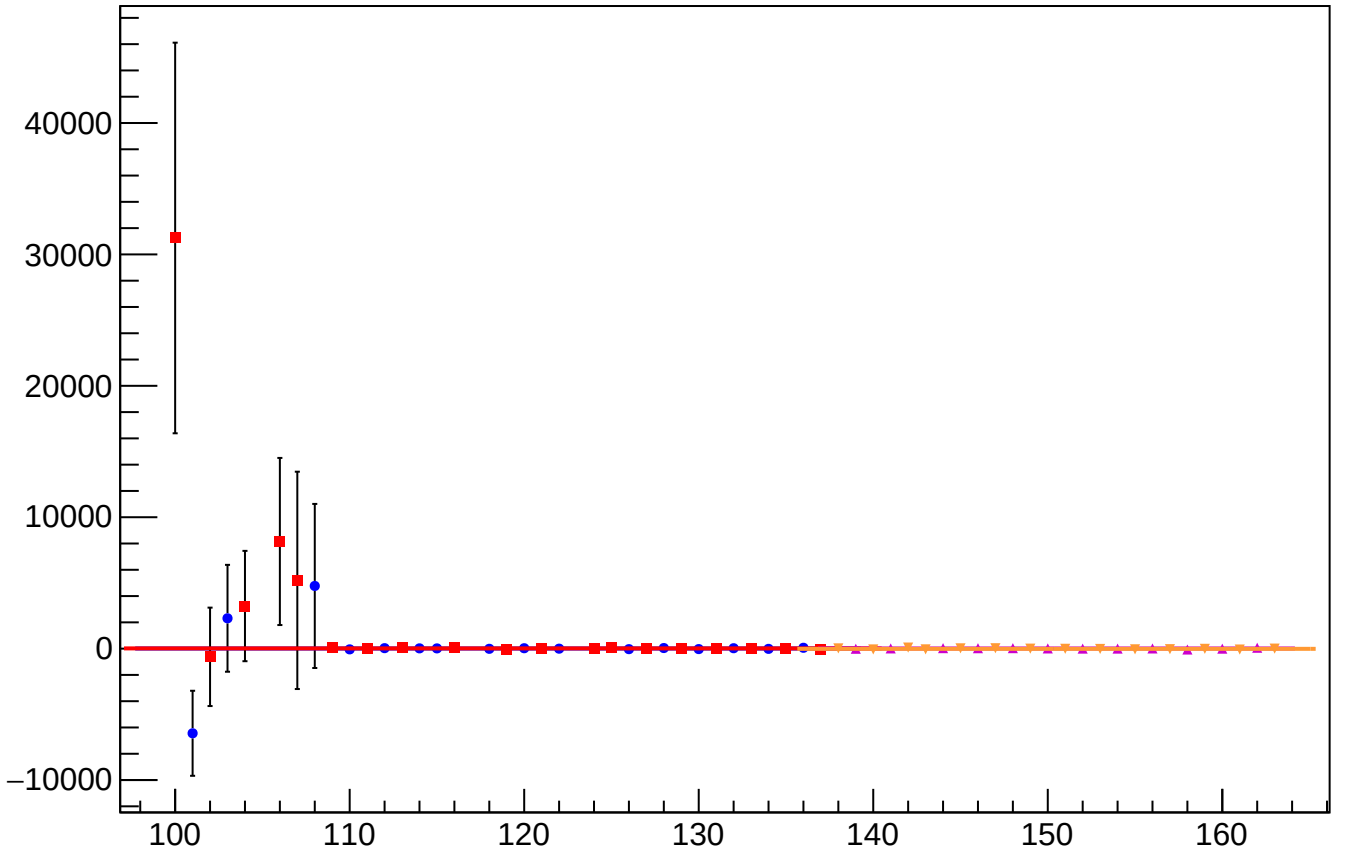
Left: 202.650+/-0.033 χ^2/NDF: 2726693.2/25

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 185.854+/-0.035 χ^2/NDF:5134676.1/27

Out: 203.868+/-0.037 χ^2/NDF:5815812.8/32

All: 194.263+/-0.025 χ^2/NDF: 11075111.7/60



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -15.766+/-8.752 χ^2/NDF:17.6/13

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 11.927+/-9.104 χ^2/NDF:13.8/11

Left: -2.465+/-6.309 χ^2/NDF: 36.2/25

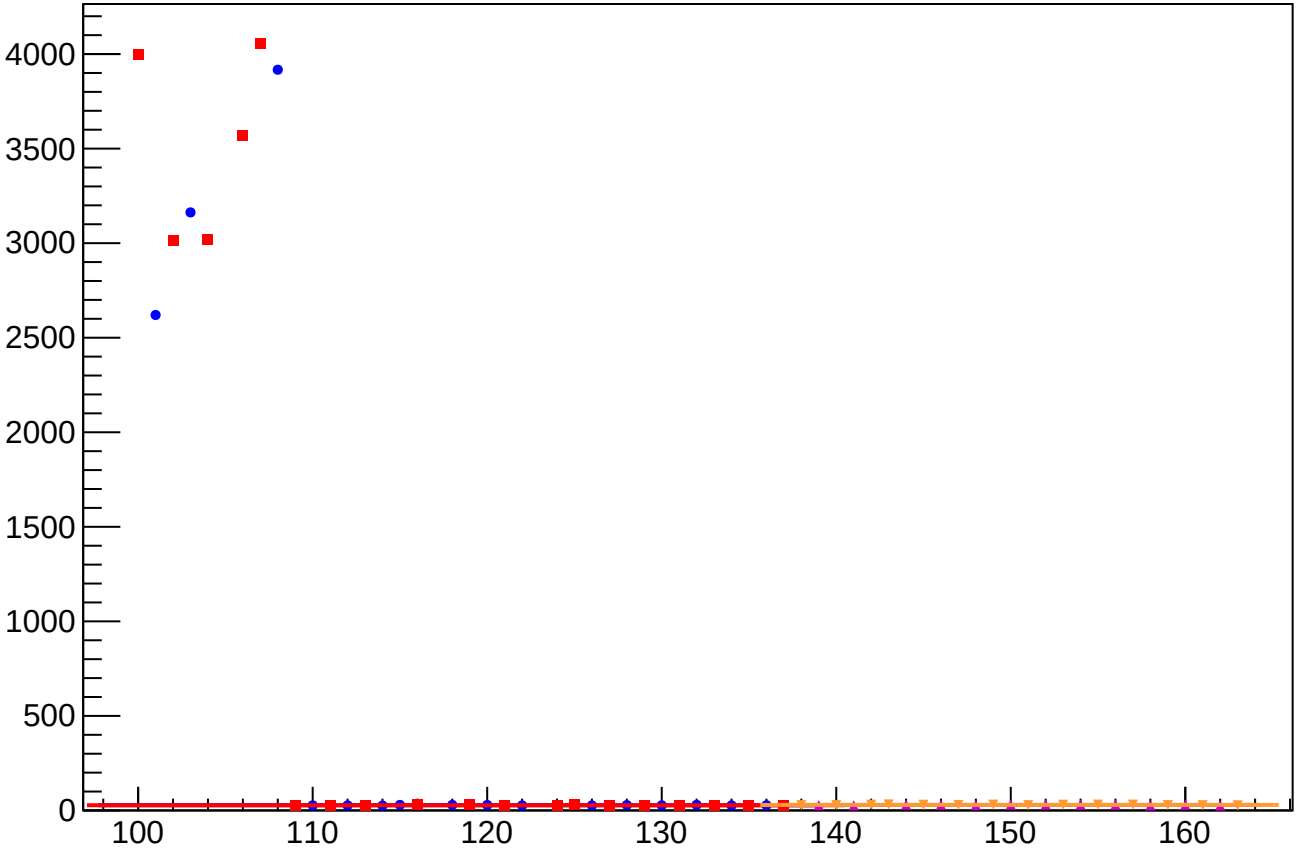
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 11.039+/-7.181 χ^2/NDF:29.9/27

Out: -3.752+/-7.031 χ^2/NDF:47.7/32

All: 3.486+/-5.024 χ^2/NDF: 79.7/60

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 29.212+/-0.006 χ^2/NDF:51626.0/13

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.179+/-0.006 χ^2/NDF:84545.9/11

Left: 29.196+/-0.004 χ^2/NDF: 136185.6/25

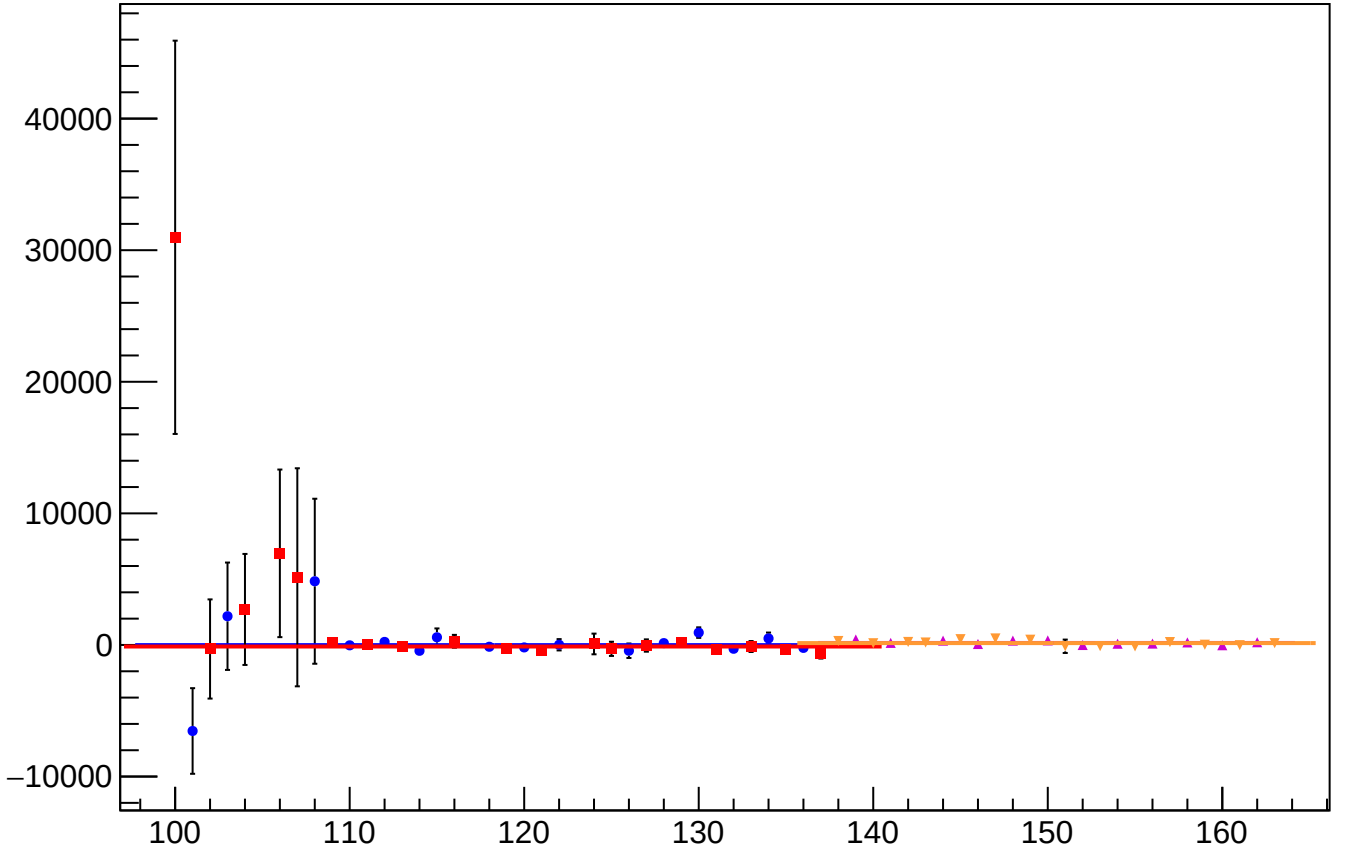
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.598+/-0.005 χ^2/NDF:3371588.4/27

Out: 28.617+/-0.005 χ^2/NDF:3632914.4/32

All: 28.608+/-0.004 χ^2/NDF: 7004509.7/60

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 142.219+/-71.234 χ^2/NDF:6.2/13

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 151.824+/-60.522 χ^2/NDF:4.6/11

Left: 147.797+/-46.123 χ^2/NDF: 10.8/25

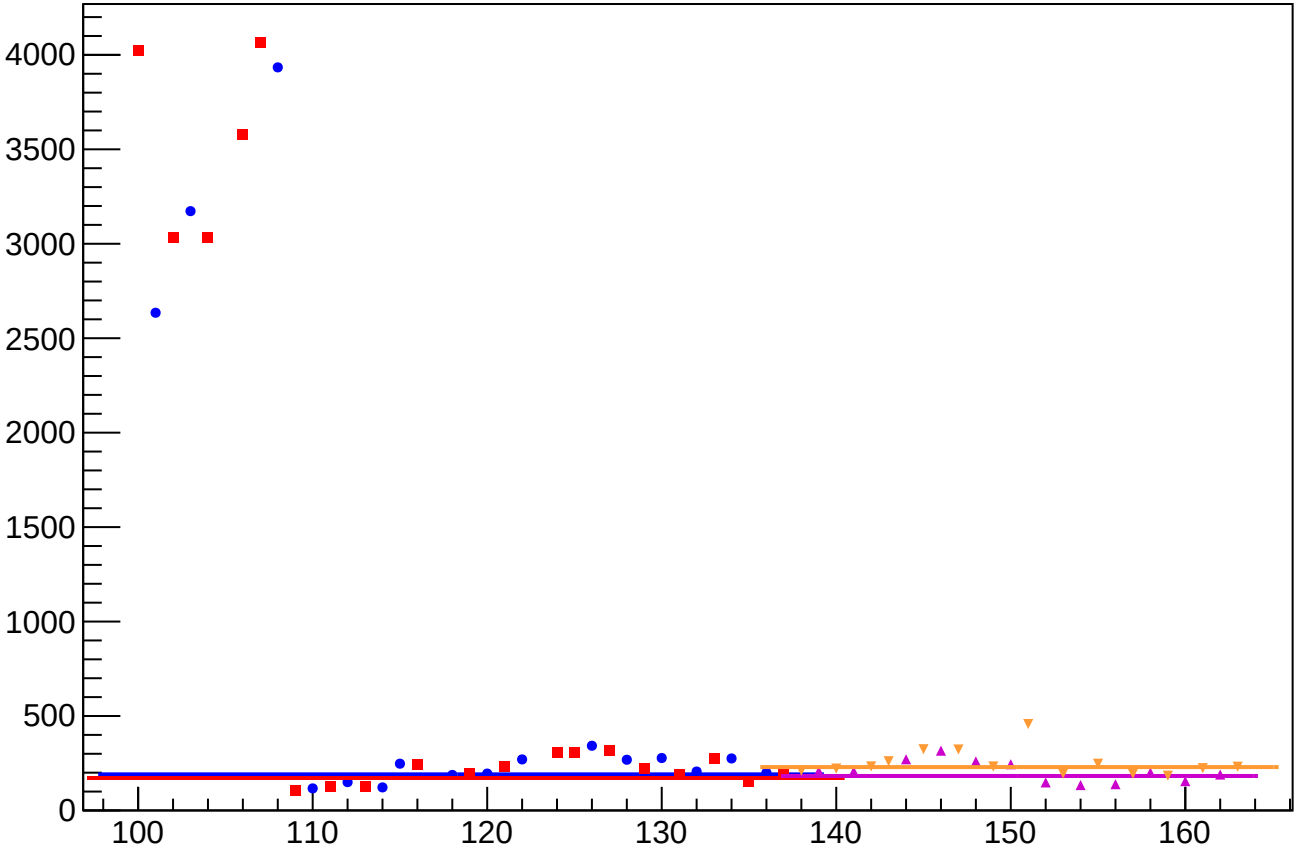
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 95.845+/-49.194 χ^2/NDF:25.4/27

Out: 23.626+/-52.558 χ^2/NDF:26.8/32

All: 62.120+/-35.916 χ^2/NDF: 53.2/60

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: 229.614+/-0.050 χ^2/NDF:918990.2/13

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 182.499+/-0.043 χ^2/NDF:1298314.7/11

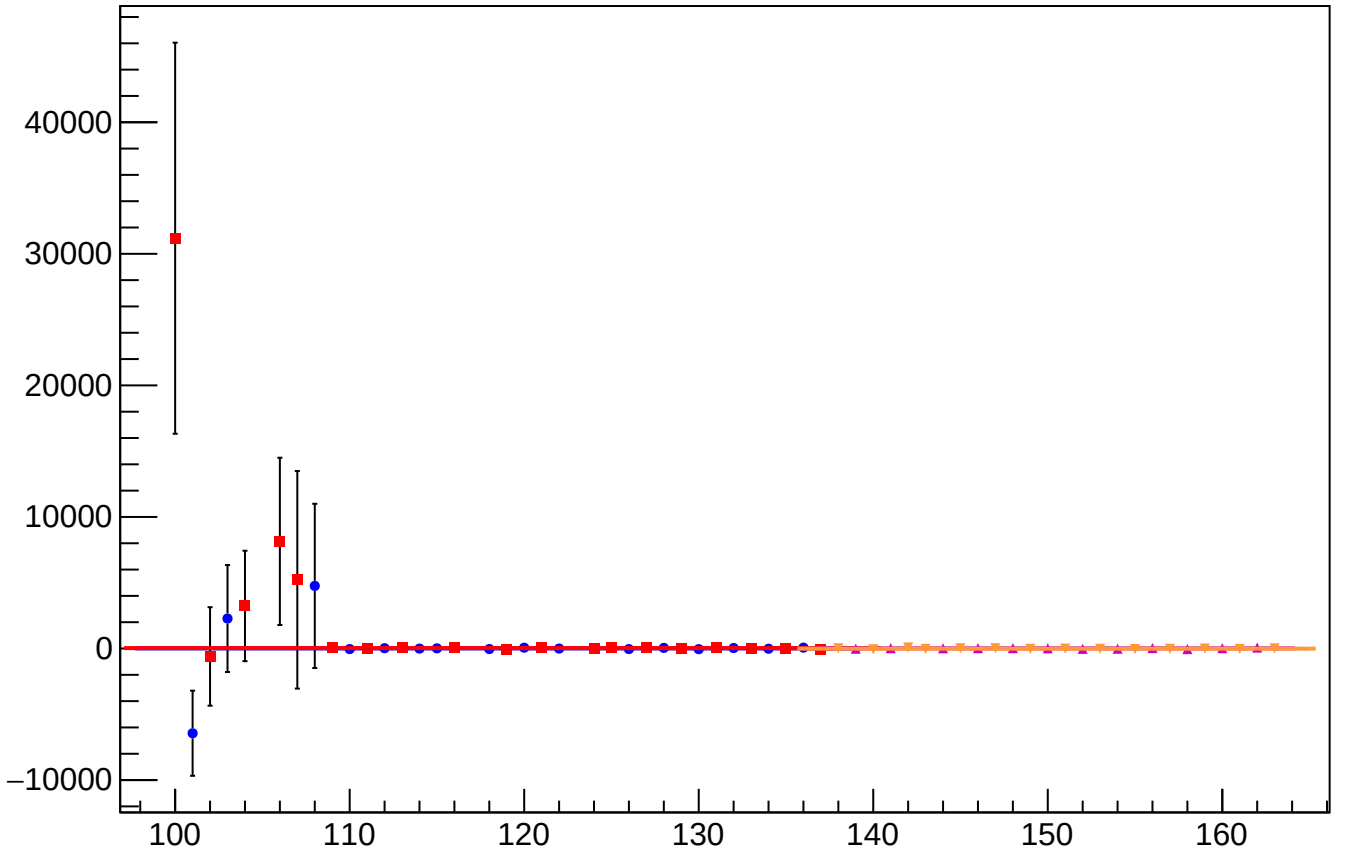
Left: 202.251+/-0.033 χ^2/NDF: 2725436.5/25

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.407+/-0.035 χ^2/NDF:5145875.7/27

Out: 203.288+/-0.037 χ^2/NDF:5833239.0/32

All: 193.757+/-0.025 χ^2/NDF: 11102505.5/60



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.360+/-8.826 χ^2/NDF:11.1/13

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 11.765+/-9.163 χ^2/NDF:12.1/11

Left: 0.807+/-6.357 χ^2/NDF: 26.0/25

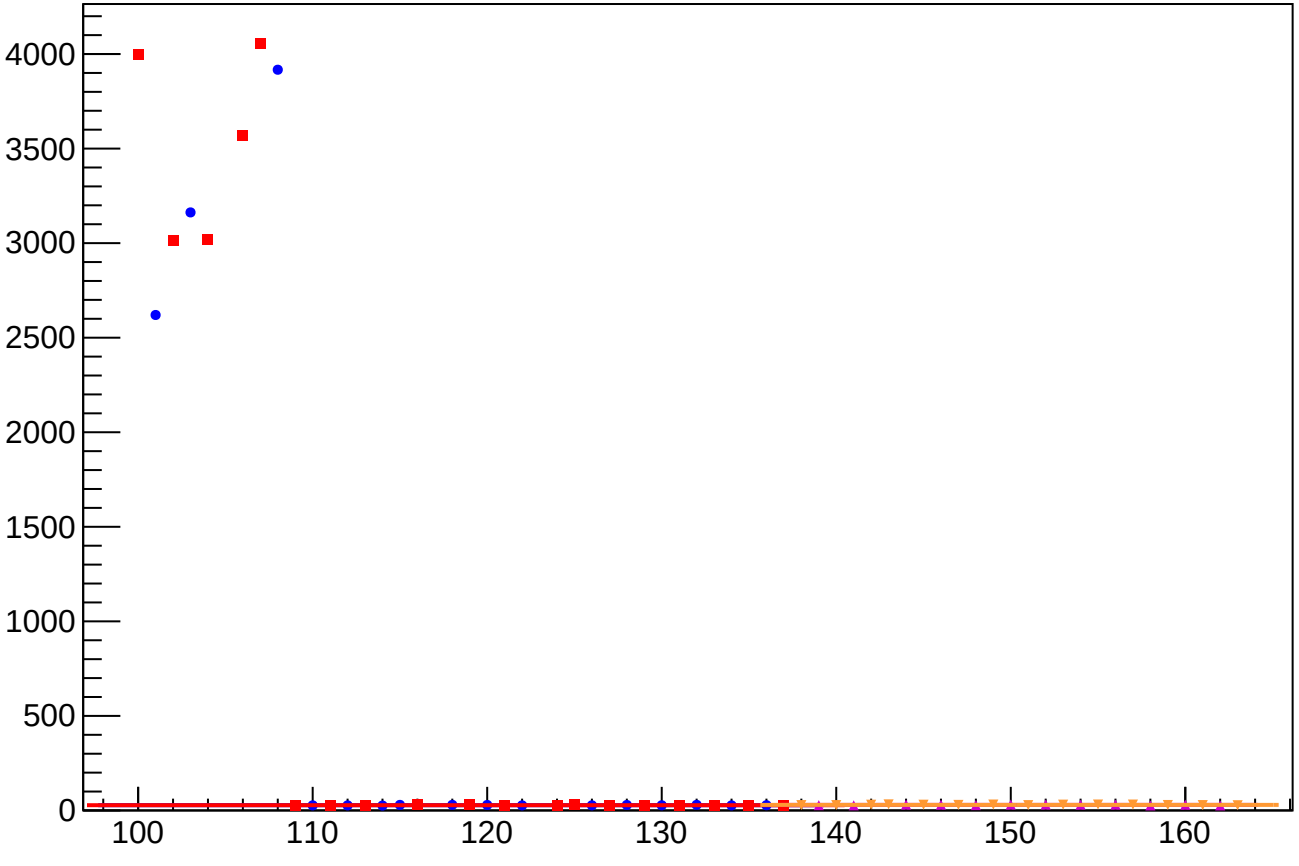
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 9.773+/-7.229 χ^2/NDF:30.5/27

Out: 4.946+/-7.089 χ^2/NDF:38.4/32

All: 7.313+/-5.061 χ^2/NDF: 69.2/60

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.455+/-0.006 χ^2/NDF:52955.1/13

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.371+/-0.006 χ^2/NDF:85215.1/11

Left: 29.415+/-0.004 χ^2/NDF: 138257.4/25

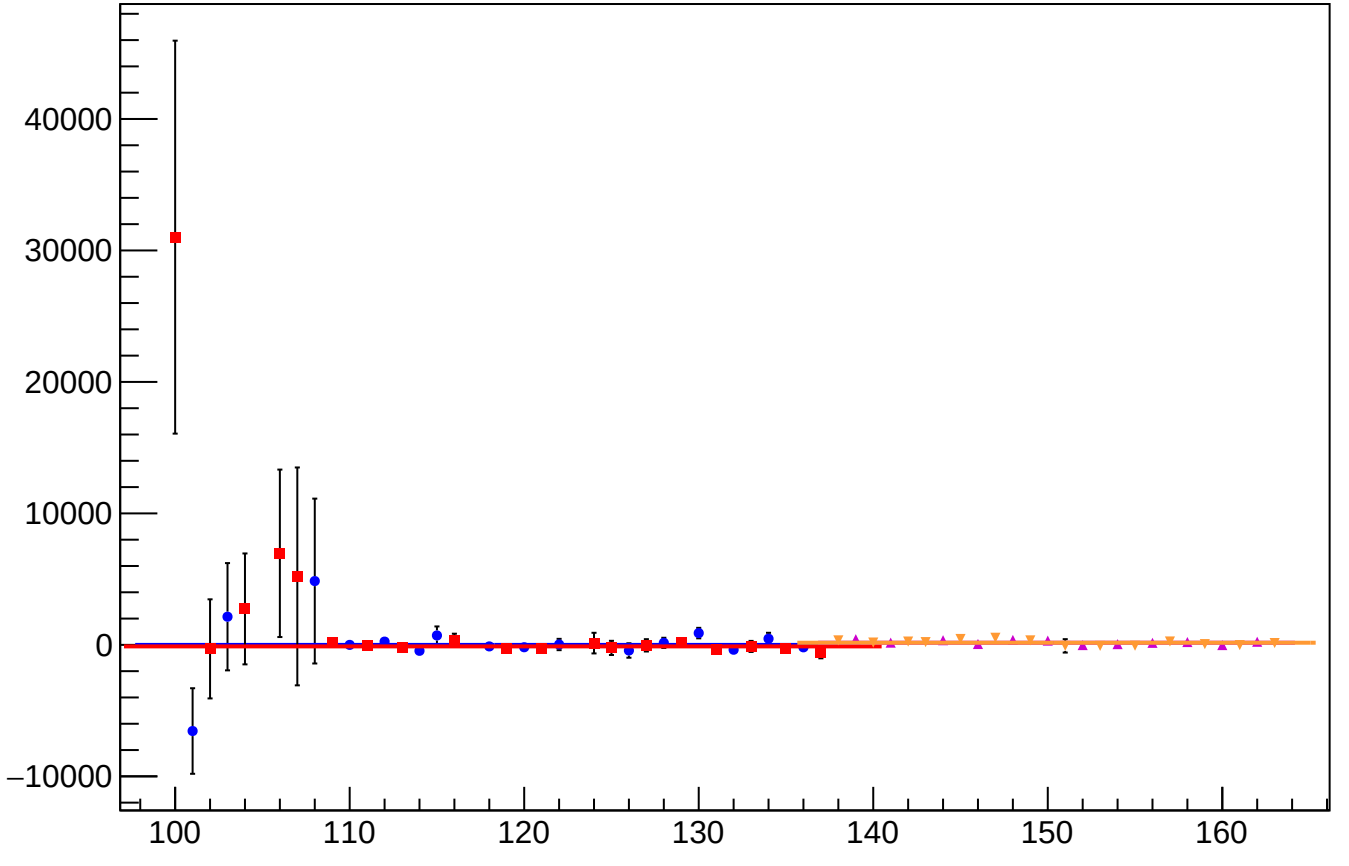
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.787+/-0.005 χ^2/NDF:3372621.9/27

Out: 28.852+/-0.005 χ^2/NDF:3638015.9/32

All: 28.820+/-0.004 χ^2/NDF: 7010718.1/60

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 163.240+/-71.949 χ^2/NDF:5.8/13

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 160.815+/-61.303 χ^2/NDF:5.2/11

Left: 161.835+/-46.662 χ^2/NDF: 11.0/25

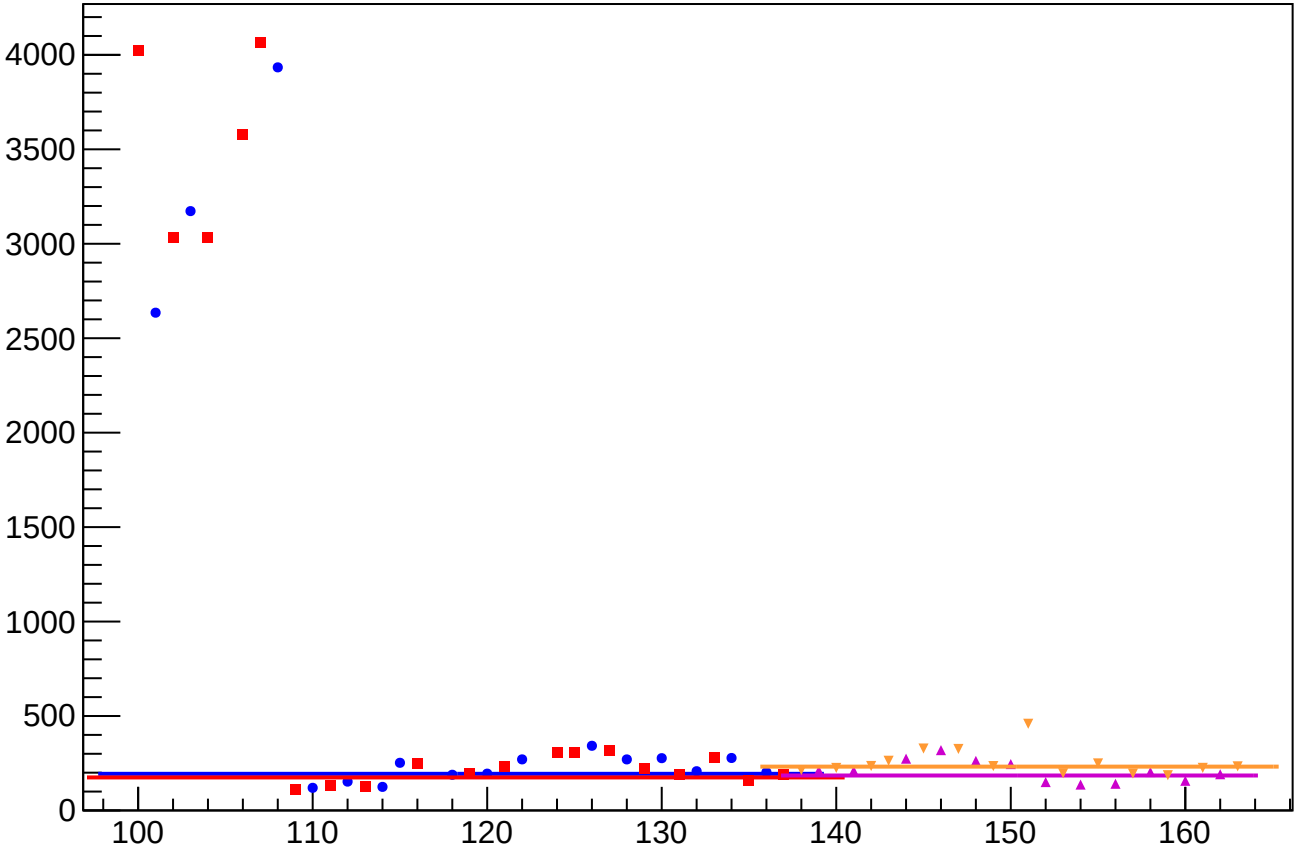
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 105.271+/-49.822 χ^2/NDF:25.8/27

Out: 36.664+/-53.180 χ^2/NDF:26.4/32

All: 73.202+/-36.359 χ^2/NDF: 53.1/60

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: 232.038+/-0.051 χ^2/NDF:908951.5/13

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 185.057+/-0.043 χ^2/NDF:1274030.2/11

Left: 204.817+/-0.033 χ^2/NDF: 2677057.6/25

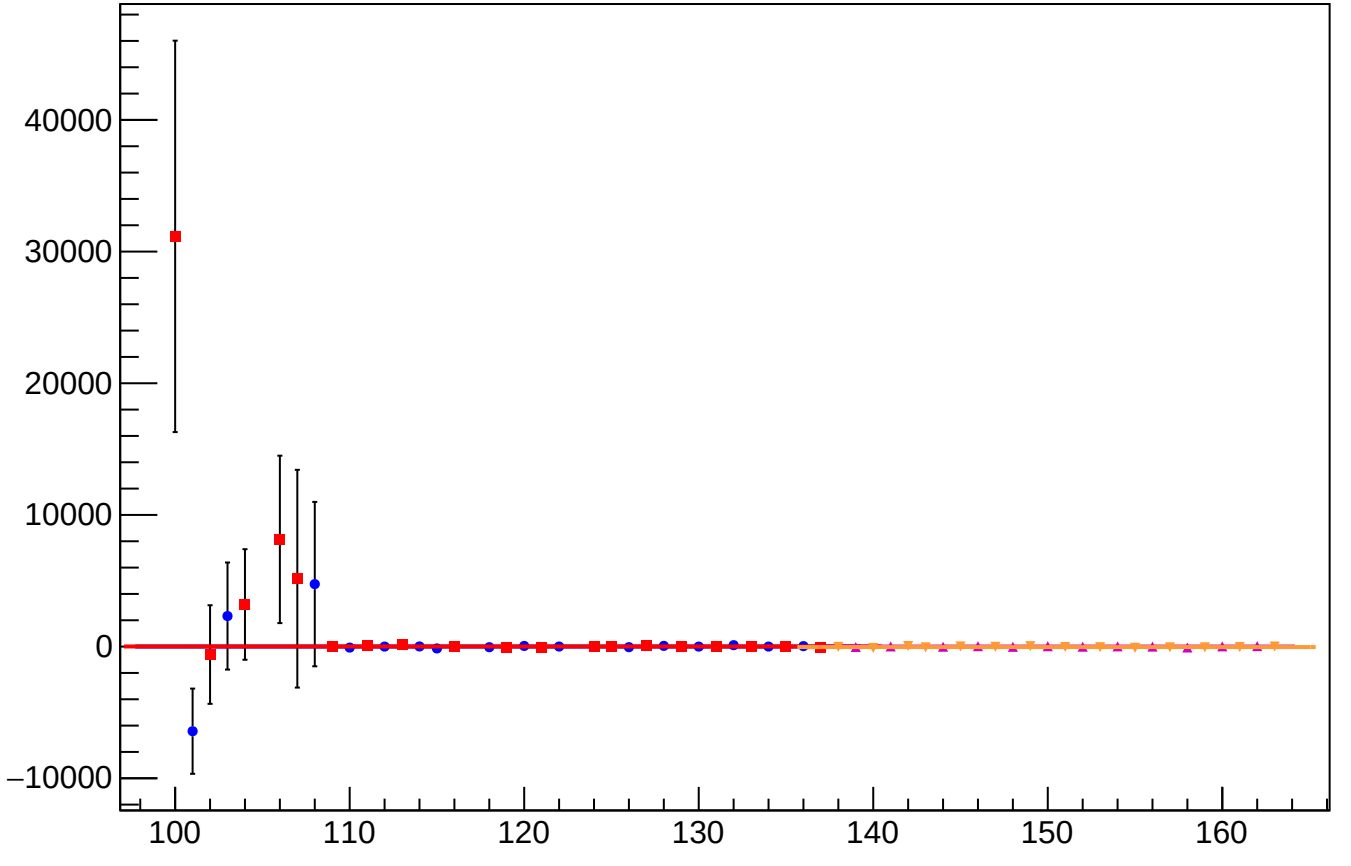
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.075+/-0.035 χ^2/NDF:5072775.9/27

Out: 206.060+/-0.038 χ^2/NDF:5742937.6/32

All: 196.482+/-0.026 χ^2/NDF: 10937546.1/60

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: -35.109+/-10.398 χ^2/NDF:14.4/13

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 2.895+/-10.827 χ^2/NDF:7.8/11

Left: -16.875+/-7.499 χ^2/NDF: 28.6/25

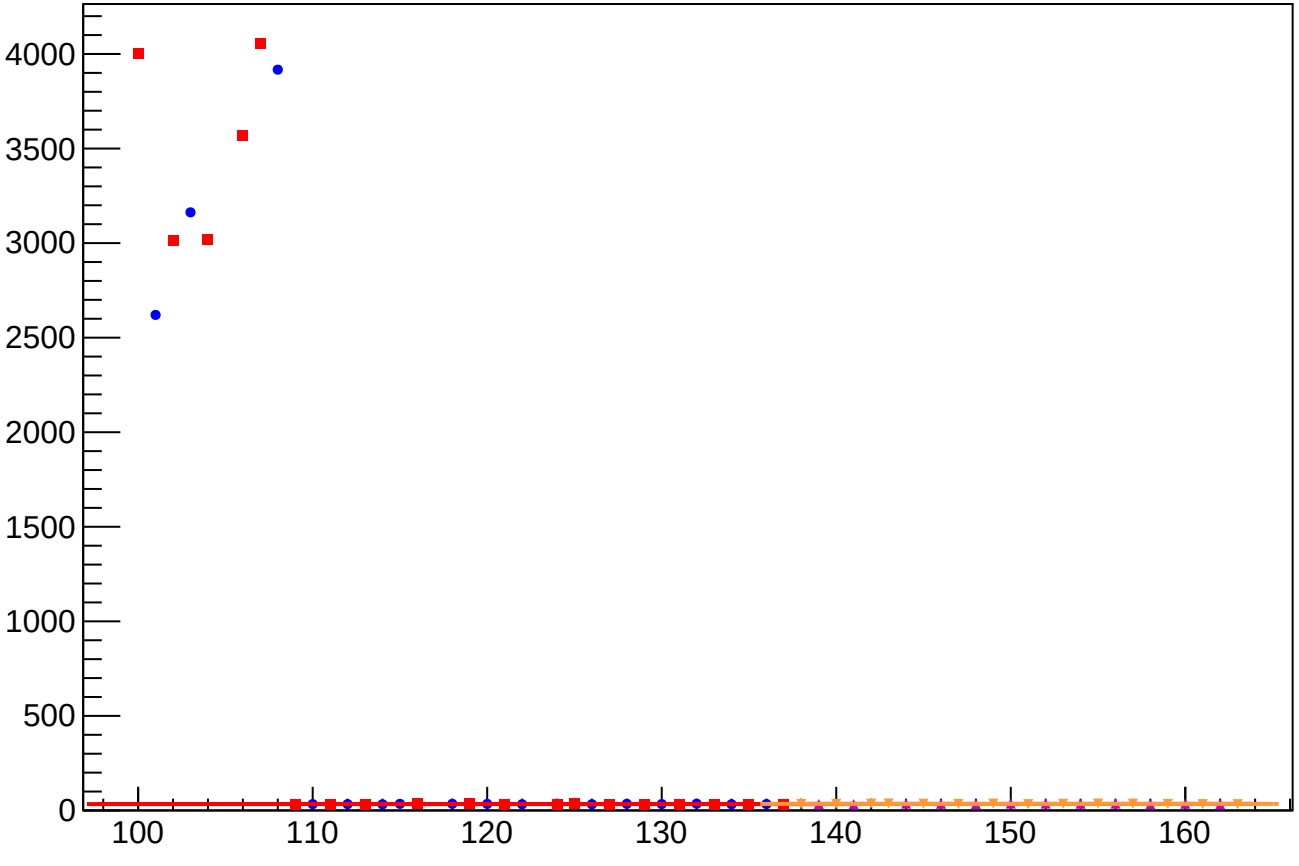
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 3.902+/-8.633 χ^2/NDF:25.3/27

Out: -19.695+/-8.436 χ^2/NDF:44.3/32

All: -8.168+/-6.034 χ^2/NDF: 73.4/60

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: 34.756+/-0.007 χ^2/NDF:24900.3/13

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.779+/-0.008 χ^2/NDF:35427.4/11

Left: 34.767+/-0.005 χ^2/NDF: 60332.1/25

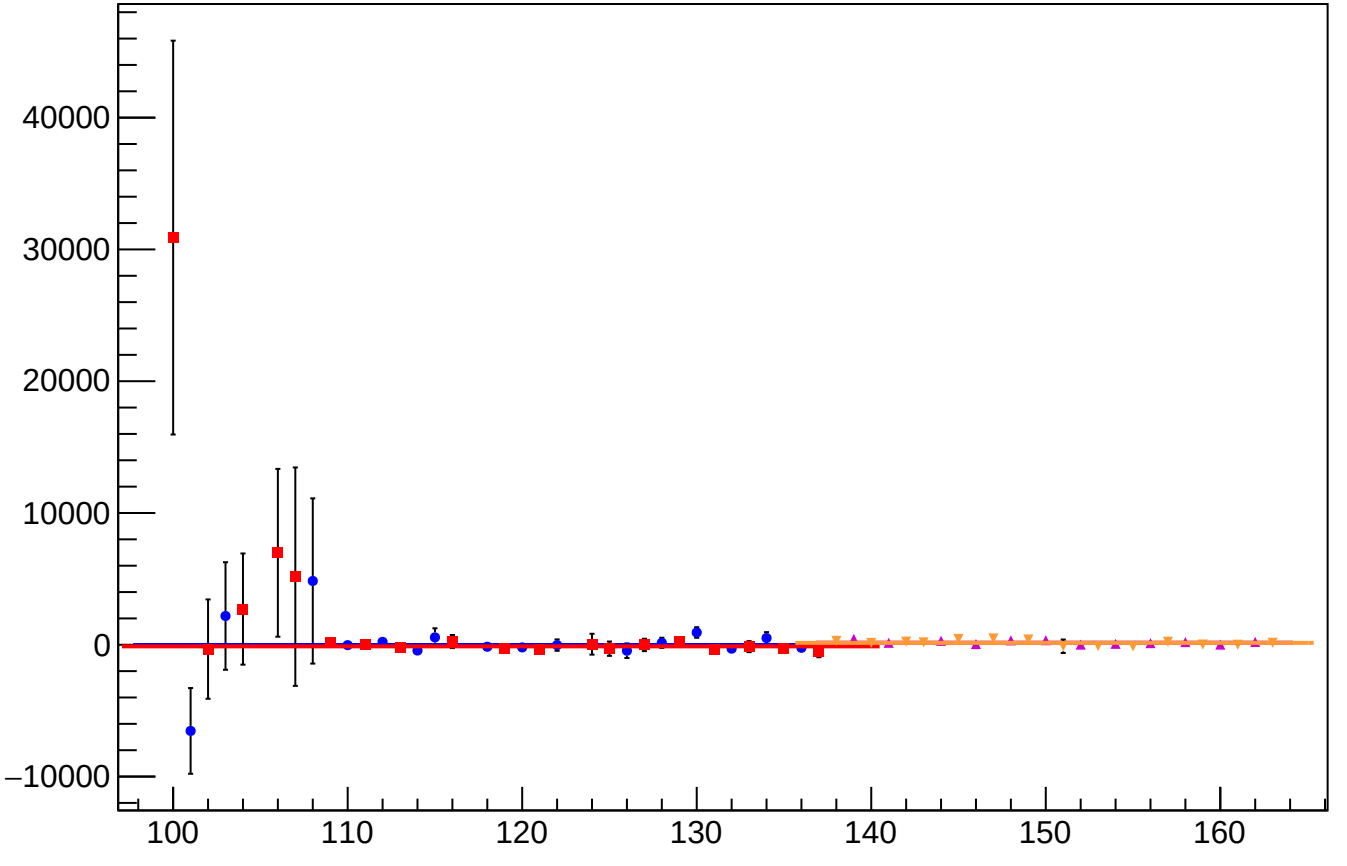
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.459+/-0.006 χ^2/NDF:3284613.6/27

Out: 34.404+/-0.006 χ^2/NDF:3558073.7/32

All: 34.431+/-0.004 χ^2/NDF: 6842727.5/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 145.527+/-71.760 χ^2/NDF:6.1/13

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 159.039+/-61.109 χ^2/NDF:4.4/11

Left: 153.359+/-46.525 χ^2/NDF: 10.6/25

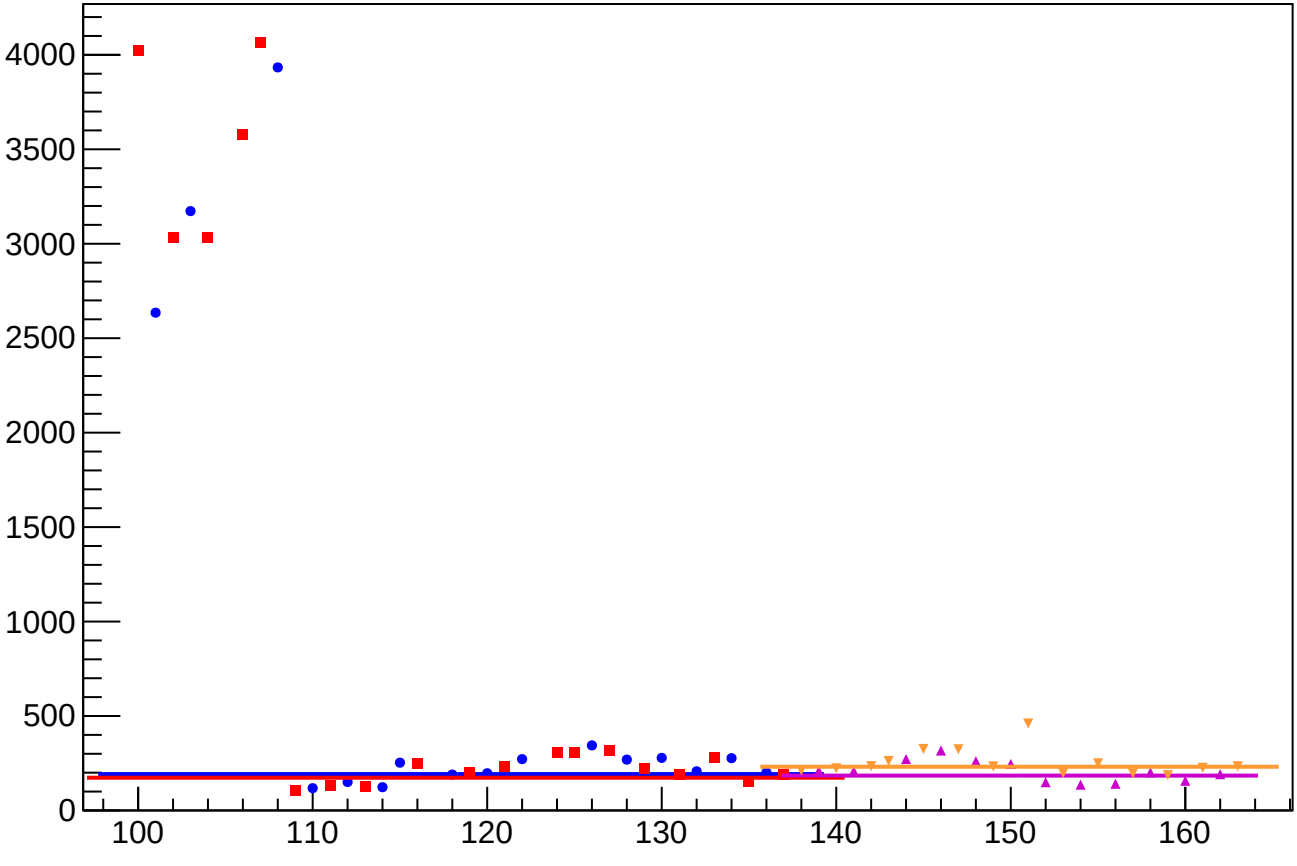
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 98.256+/-49.629 χ^2/NDF:25.5/27

Out: 24.610+/-52.951 χ^2/NDF:25.7/32

All: 63.815+/-36.211 χ^2/NDF: 52.2/60

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: 231.427+/-0.051 χ^2/NDF:904437.4/13

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 184.490+/-0.043 χ^2/NDF:1259588.0/11

Left: 204.220+/-0.033 χ^2/NDF: 2660008.0/25

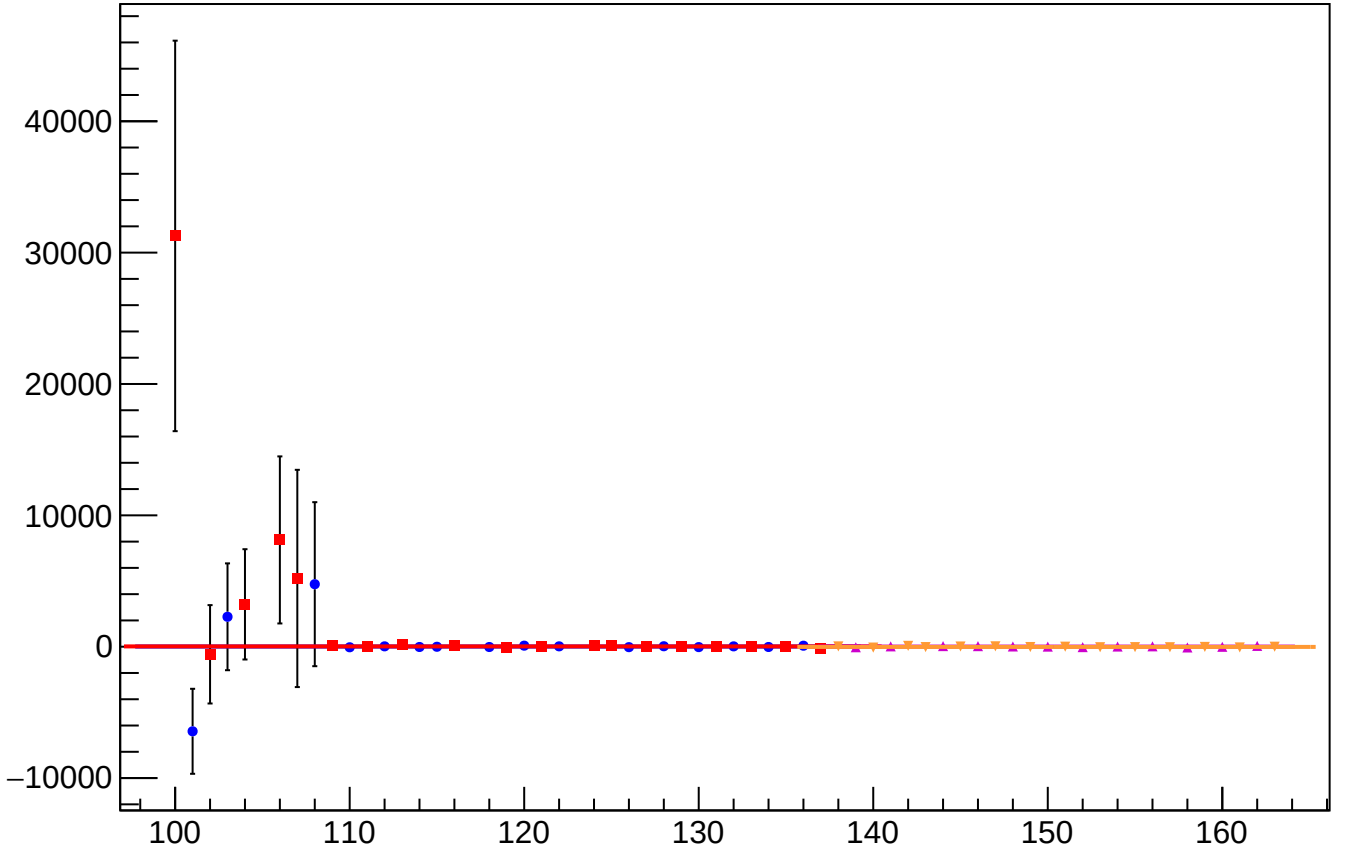
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.237+/-0.035 χ^2/NDF:5094249.4/27

Out: 204.926+/-0.037 χ^2/NDF:5810680.8/32

All: 195.510+/-0.026 χ^2/NDF: 11023744.9/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.823+/-9.439 χ^2/NDF:11.6/13

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 9.027+/-9.820 χ^2/NDF:13.7/11

Left: -3.890+/-6.805 χ^2/NDF: 28.6/25

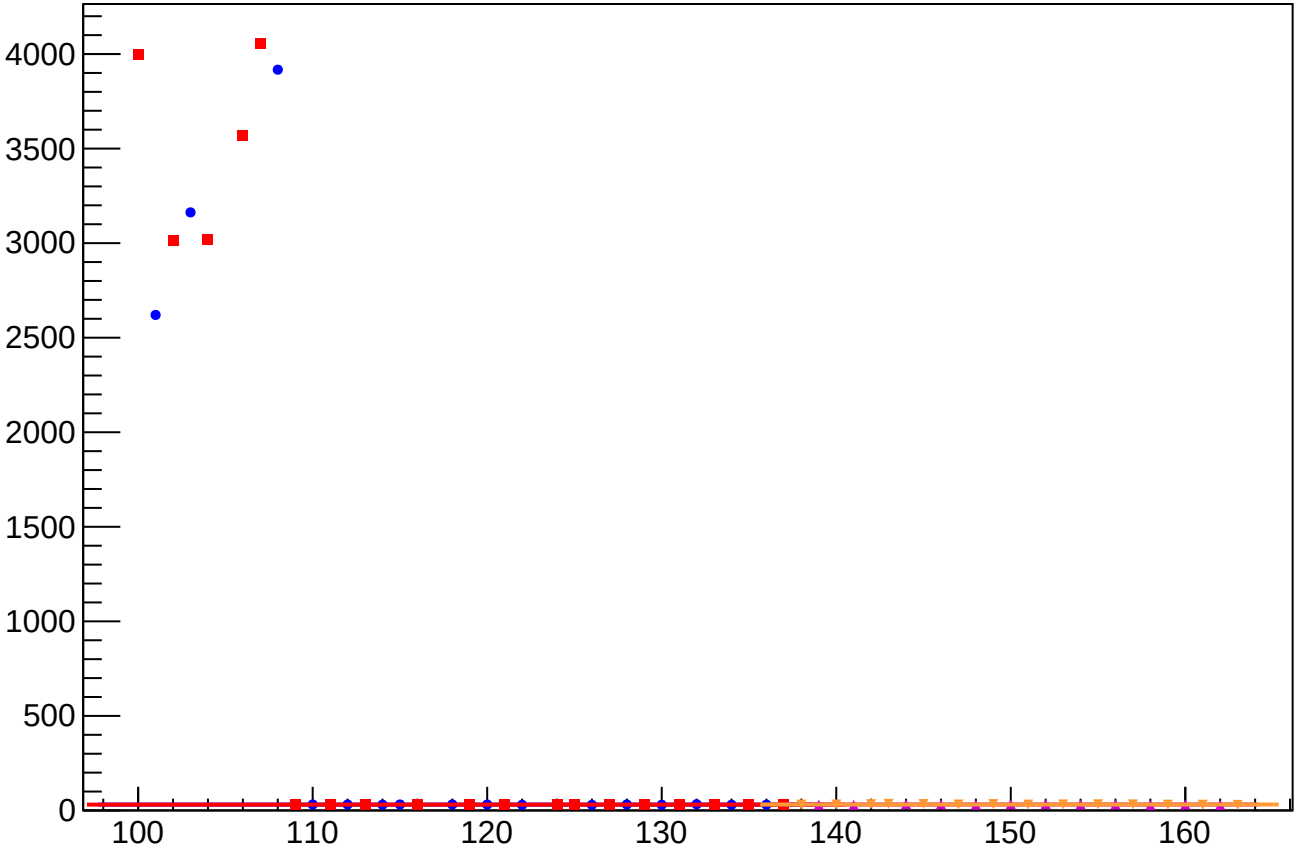
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 10.719+/-7.849 χ^2/NDF:29.2/27

Out: -2.585+/-7.674 χ^2/NDF:46.1/32

All: 3.917+/-5.487 χ^2/NDF: 76.7/60

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.518+/-0.007 χ^2/NDF:46484.0/13

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.496+/-0.007 χ^2/NDF:63465.9/11

Left: 31.507+/-0.005 χ^2/NDF: 109955.3/25

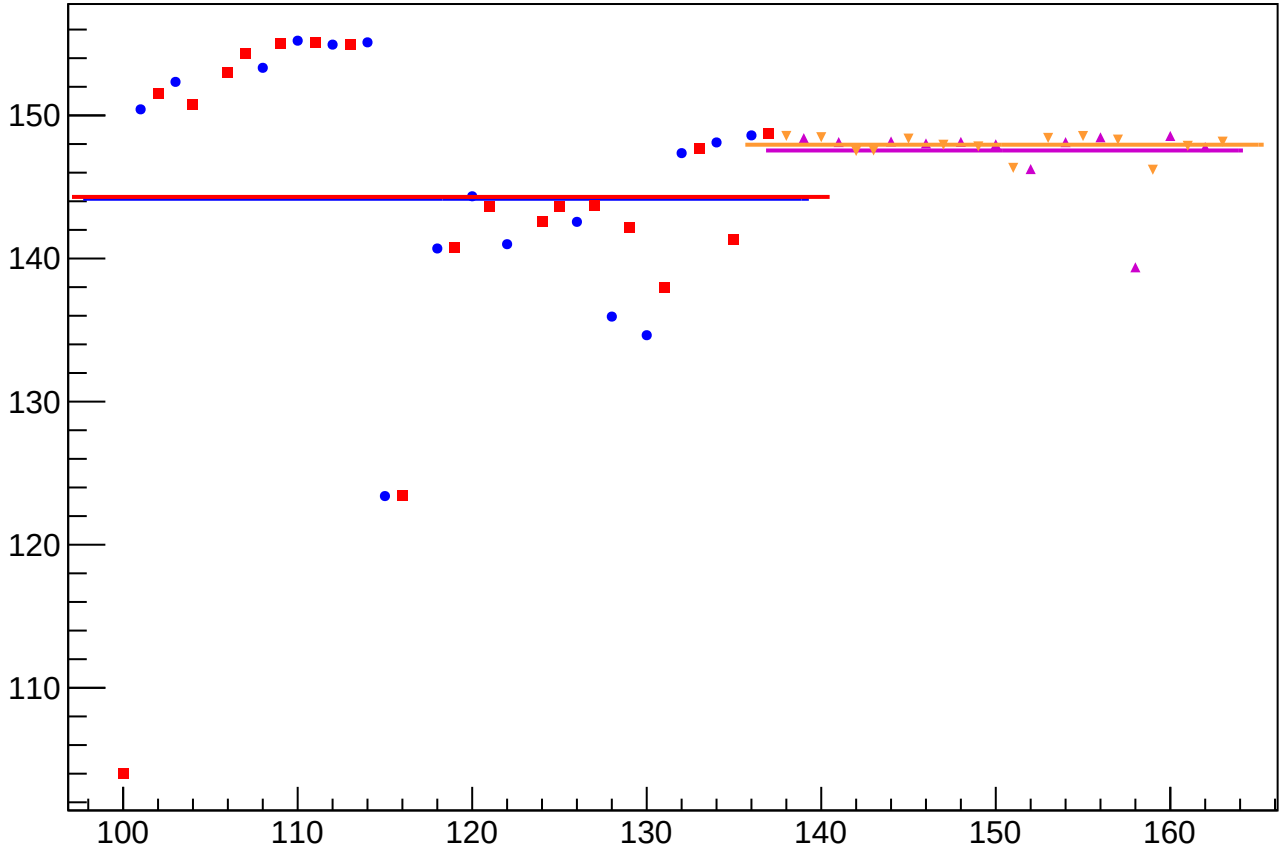
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.291+/-0.006 χ^2/NDF:3318482.9/27

Out: 31.267+/-0.005 χ^2/NDF:3586898.1/32

All: 31.279+/-0.004 χ^2/NDF: 6905390.5/60

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.550+/-0.000 χ^2/NDF:284323559.5/11

Left: 147.763+/-0.000 χ^2/NDF: 322455912.1/25

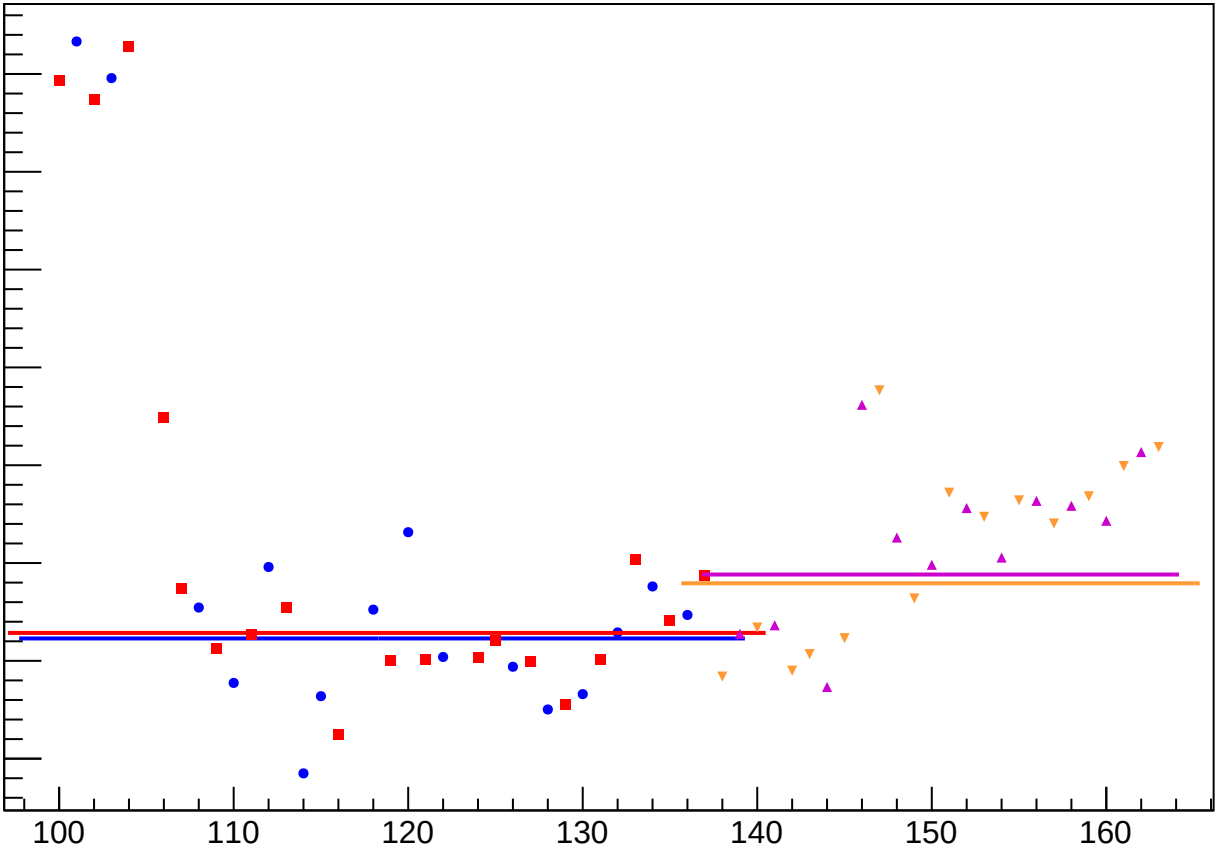
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.945+/-0.000 χ^2/NDF:4349538854.3/27

Out: 146.335+/-0.000 χ^2/NDF:4715445493.4/32

All: 146.145+/-0.000 χ^2/NDF: 9074375577.7

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.379+/-0.000 χ^2/NDF:1045937.6/13

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.388+/-0.000 χ^2/NDF:814099.1/11

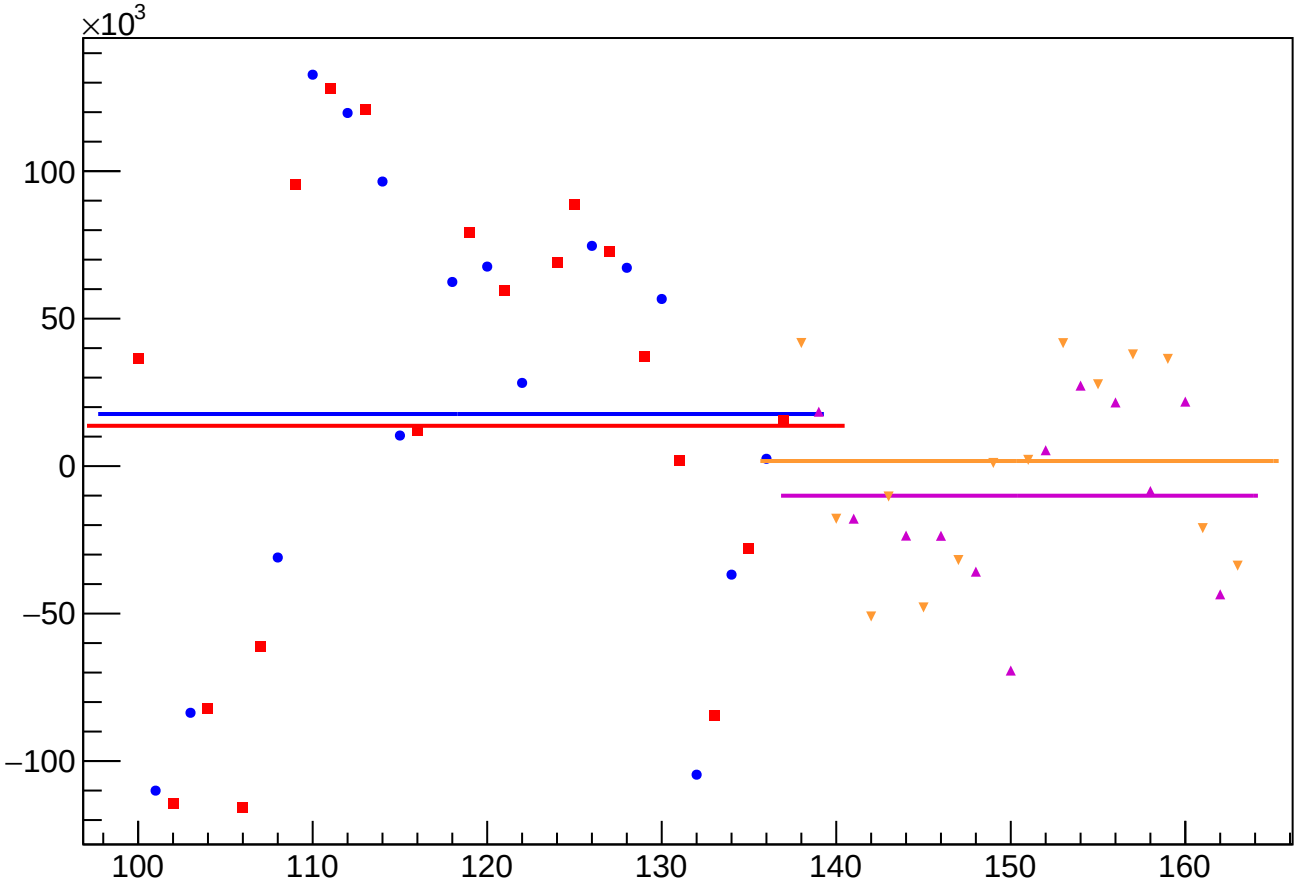
Left: 0.384+/-0.000 χ^2/NDF: 1865383.6/25

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.357+/-0.000 χ^2/NDF:2465755.8/27

Out: 0.357+/-0.000 χ^2/NDF:2511758.2/32

All: 0.357+/-0.000 χ^2/NDF: 4977530.2/60



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 1728.124+/-1.476 χ^2/NDF:467211602.1/13

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -10034.509+/-1.543 χ^2/NDF:377677684.9/11

Left: -3890.482+/-1.067 χ^2/NDF: 875234329.5/25

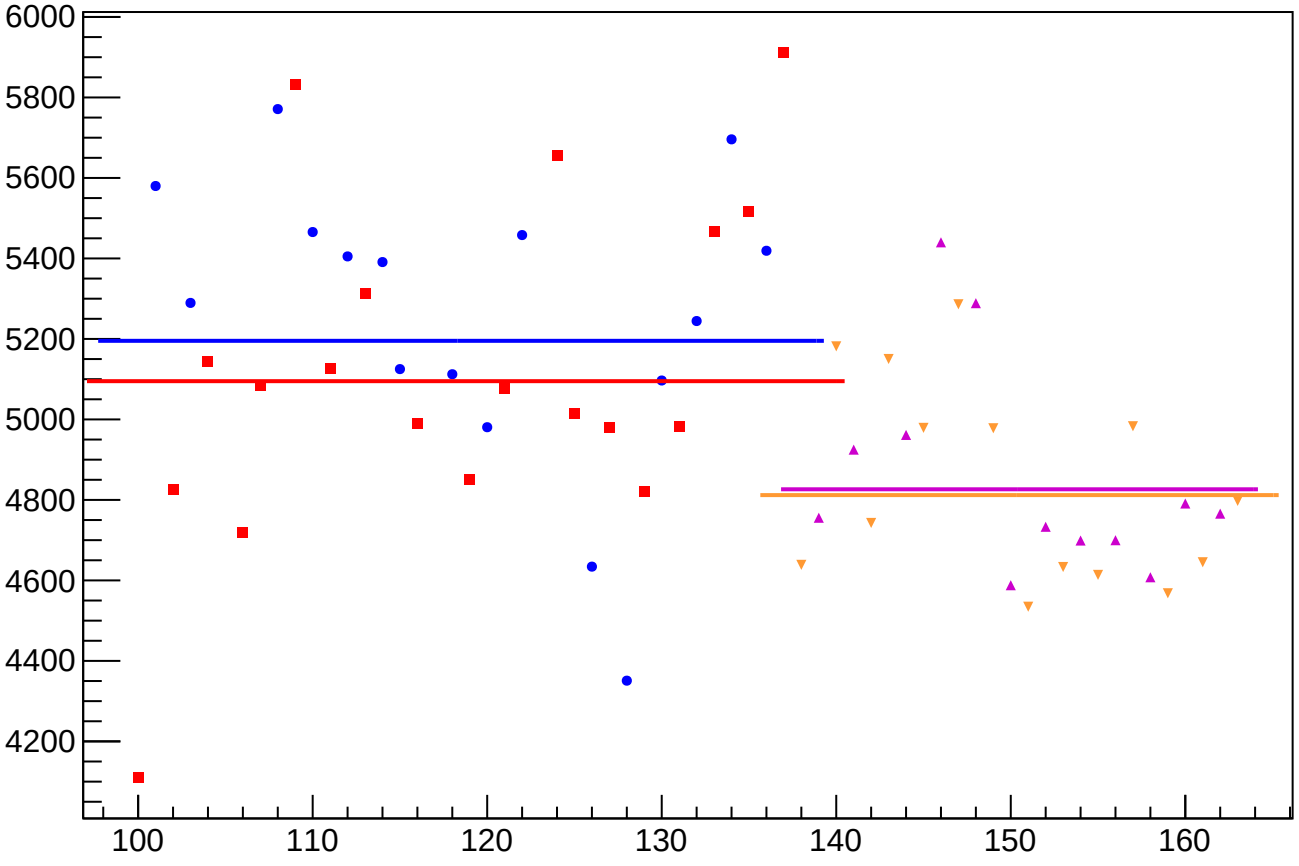
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 266.729+/-1.223 χ^2/NDF:1896220760.6/27

Out: 6147.563+/-1.171 χ^2/NDF:2348399270.3/32

All: 3334.488+/-0.846 χ^2/NDF: 4256680591.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4811.955+/-1.044 χ^2/NDF:52438.7/13

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4826.392+/-1.091 χ^2/NDF:46343.0/11

Left: 4818.851+/-0.754 χ^2/NDF: 98873.1/25

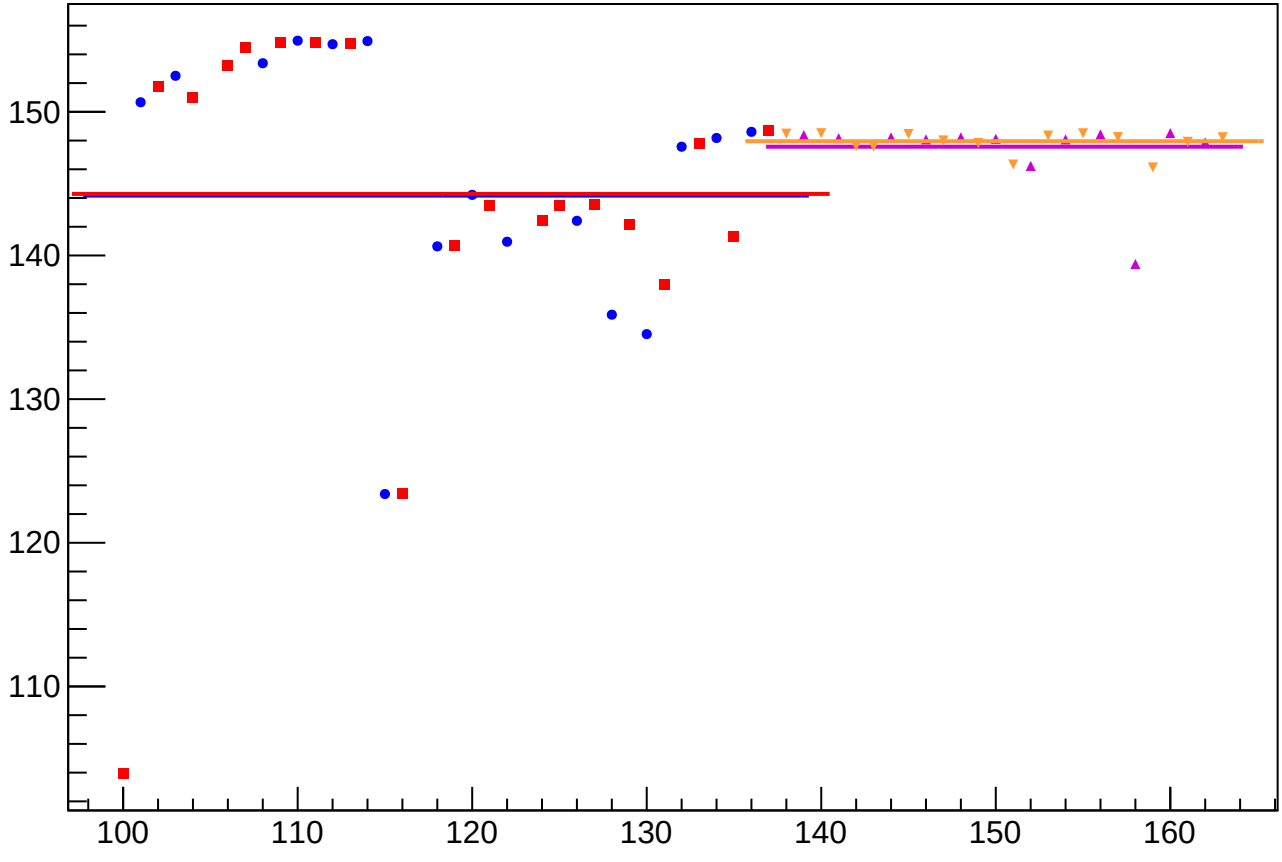
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4963.591+/-0.865 χ^2/NDF:166013.0/27

Out: 4916.754+/-0.828 χ^2/NDF:138794.6/32

All: 4939.158+/-0.598 χ^2/NDF: 306337.7/60

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.954+/-0.000 χ^2/NDF:32789847.4/13

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.573+/-0.000 χ^2/NDF:285410951.7/11

Left: 147.775+/-0.000 χ^2/NDF: 323097716.2/25

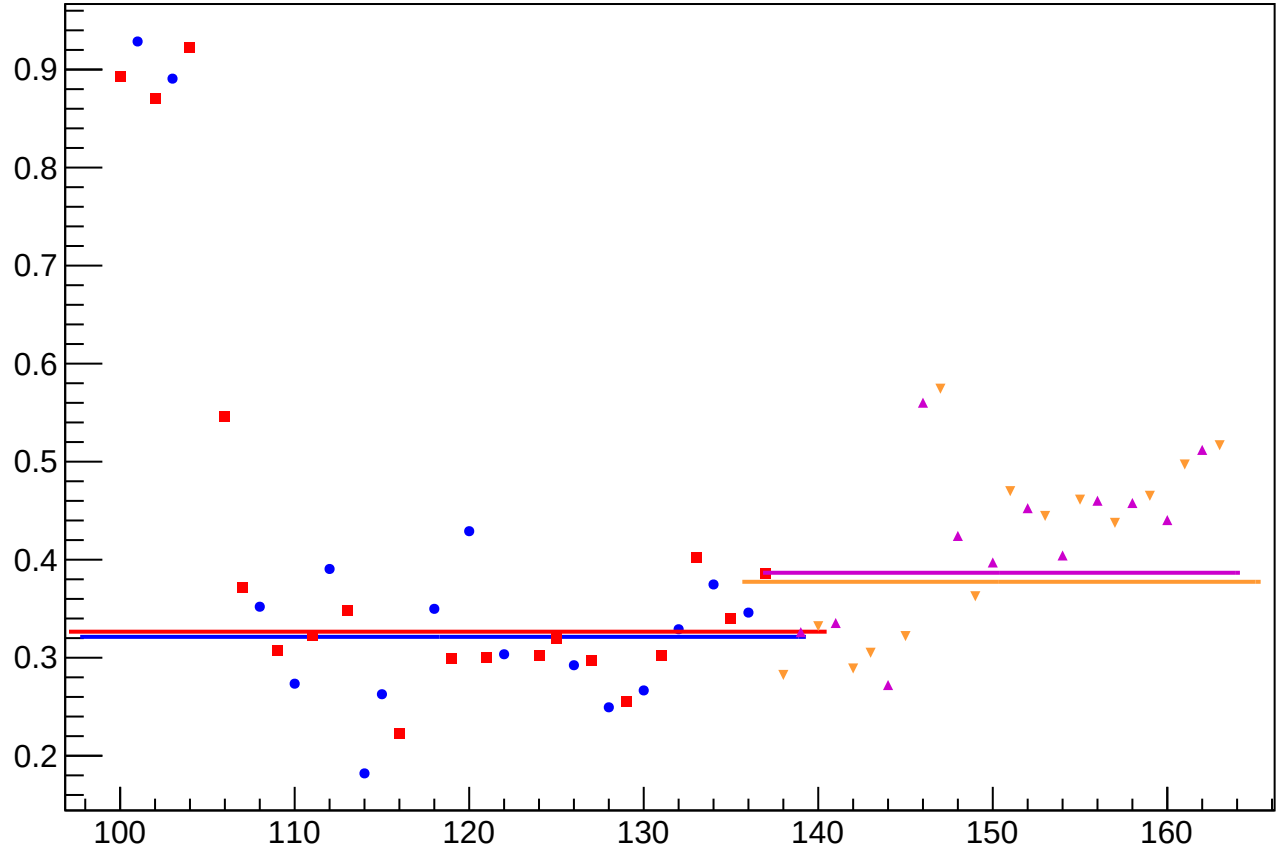
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 145.953+/-0.000 χ^2/NDF:4399447893.2/27

Out: 146.325+/-0.000 χ^2/NDF:4750342809.8/32

All: 146.145+/-0.000 χ^2/NDF: 9158437070.3

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.377+/-0.000 χ^2/NDF:1045464.9/13

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.387+/-0.000 χ^2/NDF:812831.2/11

Left: 0.382+/-0.000 χ^2/NDF: 1864003.6/25

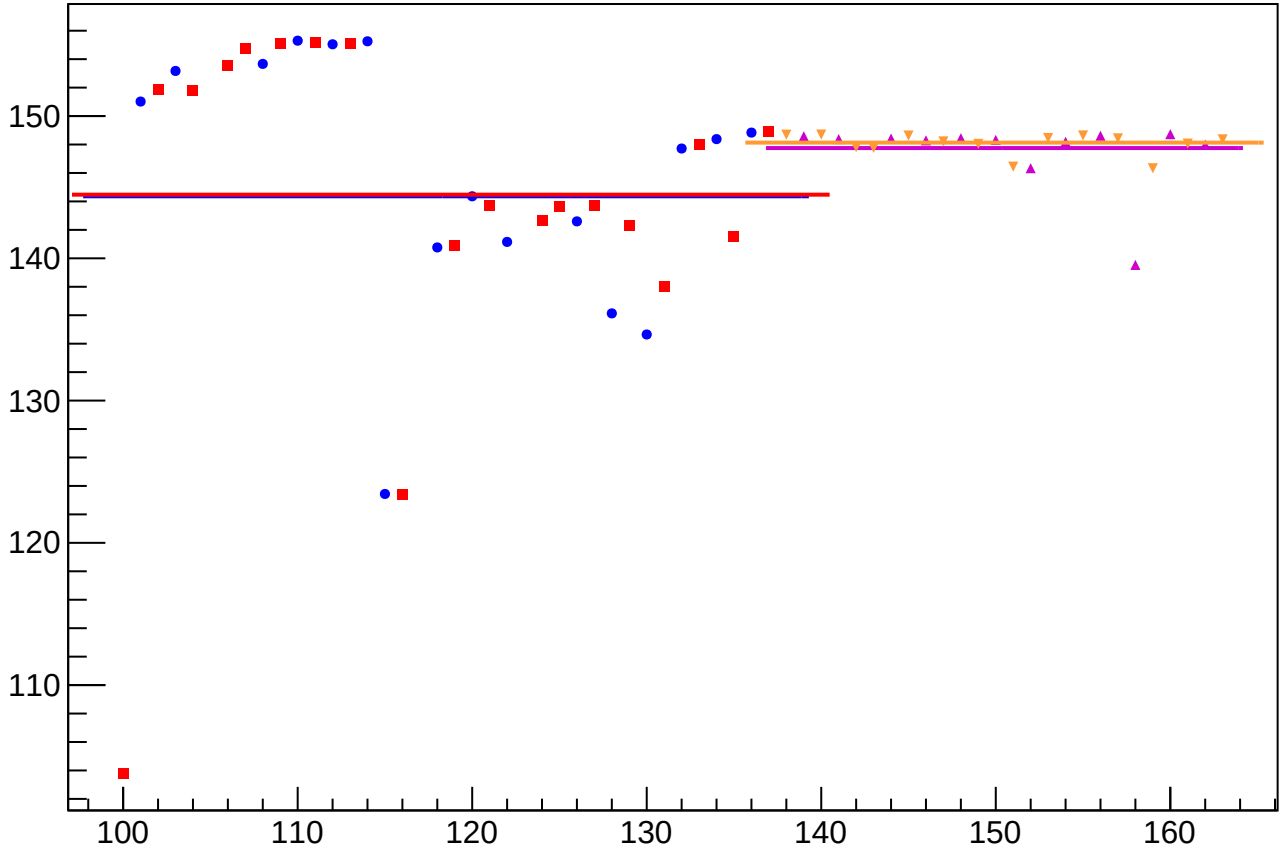
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.356+/-0.000 χ^2/NDF:2467144.8/27

Out: 0.355+/-0.000 χ^2/NDF:2512722.7/32

All: 0.355+/-0.000 χ^2/NDF: 4979925.8/60

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.134+/-0.000 χ^2/NDF:32766910.7/13

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.751+/-0.000 χ^2/NDF:289705058.3/11

Left: 147.954+/-0.000 χ^2/NDF: 327359054.1/25

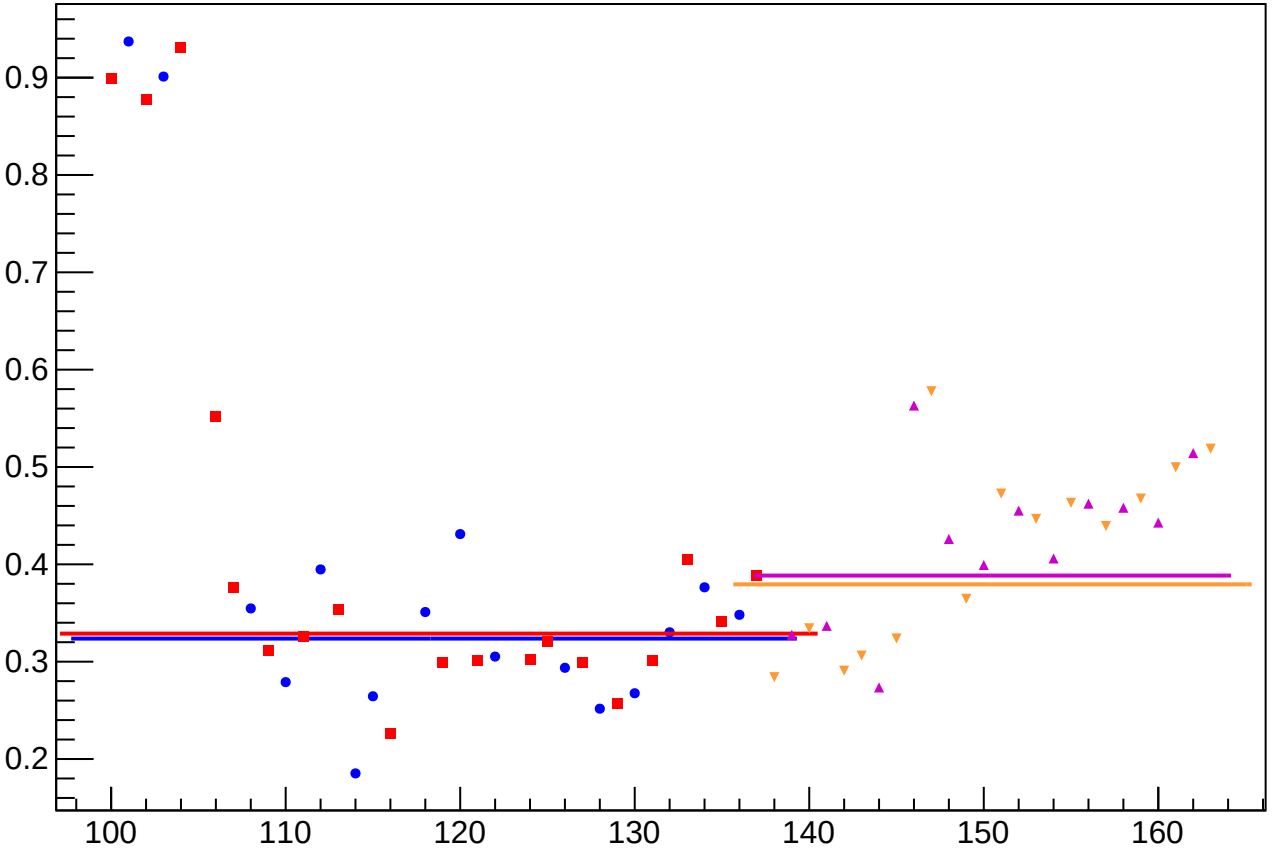
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.141+/-0.000 χ^2/NDF:4391094757.1/27

Out: 146.512+/-0.000 χ^2/NDF:4734880118.0/32

All: 146.332+/-0.000 χ^2/NDF: 9134458321.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.379+/-0.000 χ^2/NDF:1043536.1/13

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.388+/-0.000 χ^2/NDF:811724.0/11

Left: 0.384+/-0.000 χ^2/NDF: 1860703.0/25

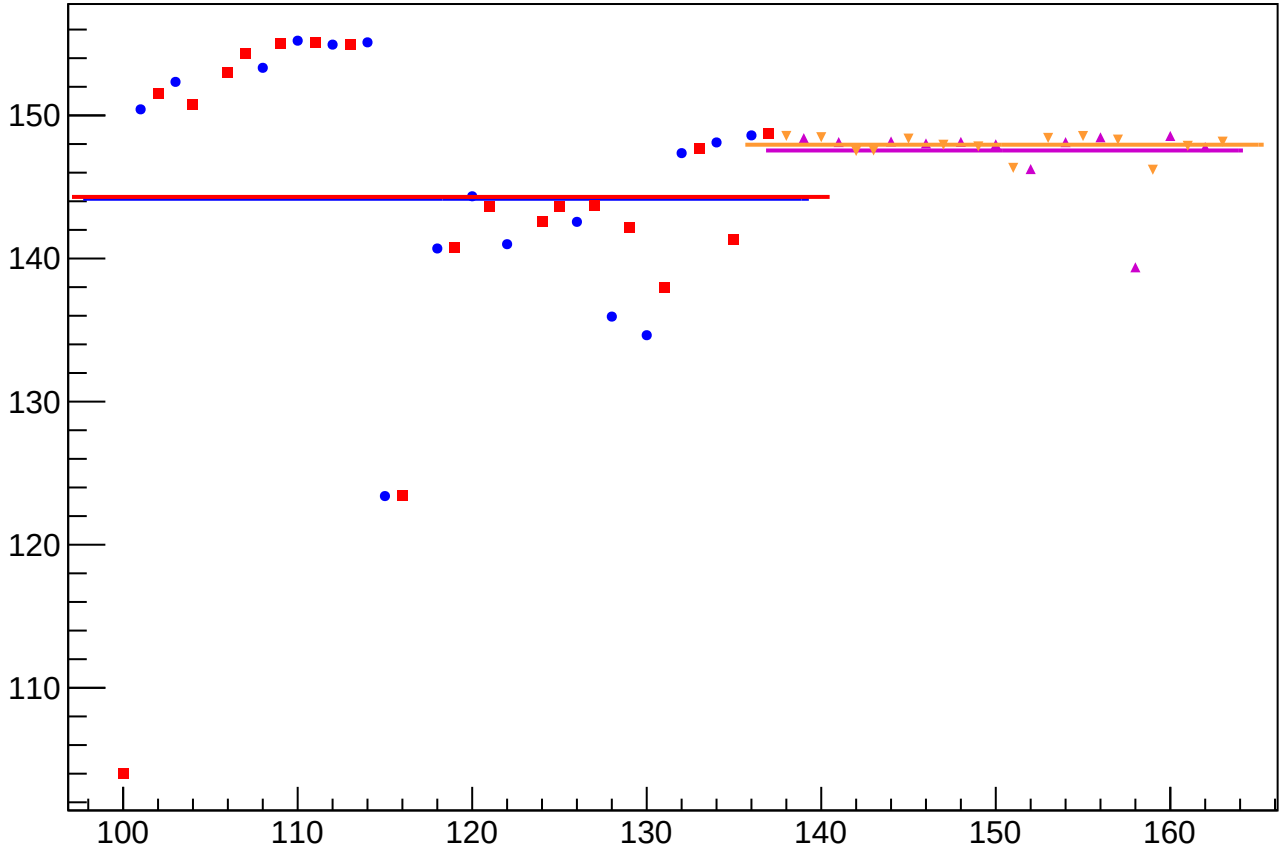
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.358+/-0.000 χ^2/NDF:2454205.7/27

Out: 0.357+/-0.000 χ^2/NDF:2507420.5/32

All: 0.357+/-0.000 χ^2/NDF: 4961690.6/60

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.953+/-0.000 χ^2/NDF:32709173.5/13

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.550+/-0.000 χ^2/NDF:284323559.5/11

Left: 147.763+/-0.000 χ^2/NDF: 322455912.1/25

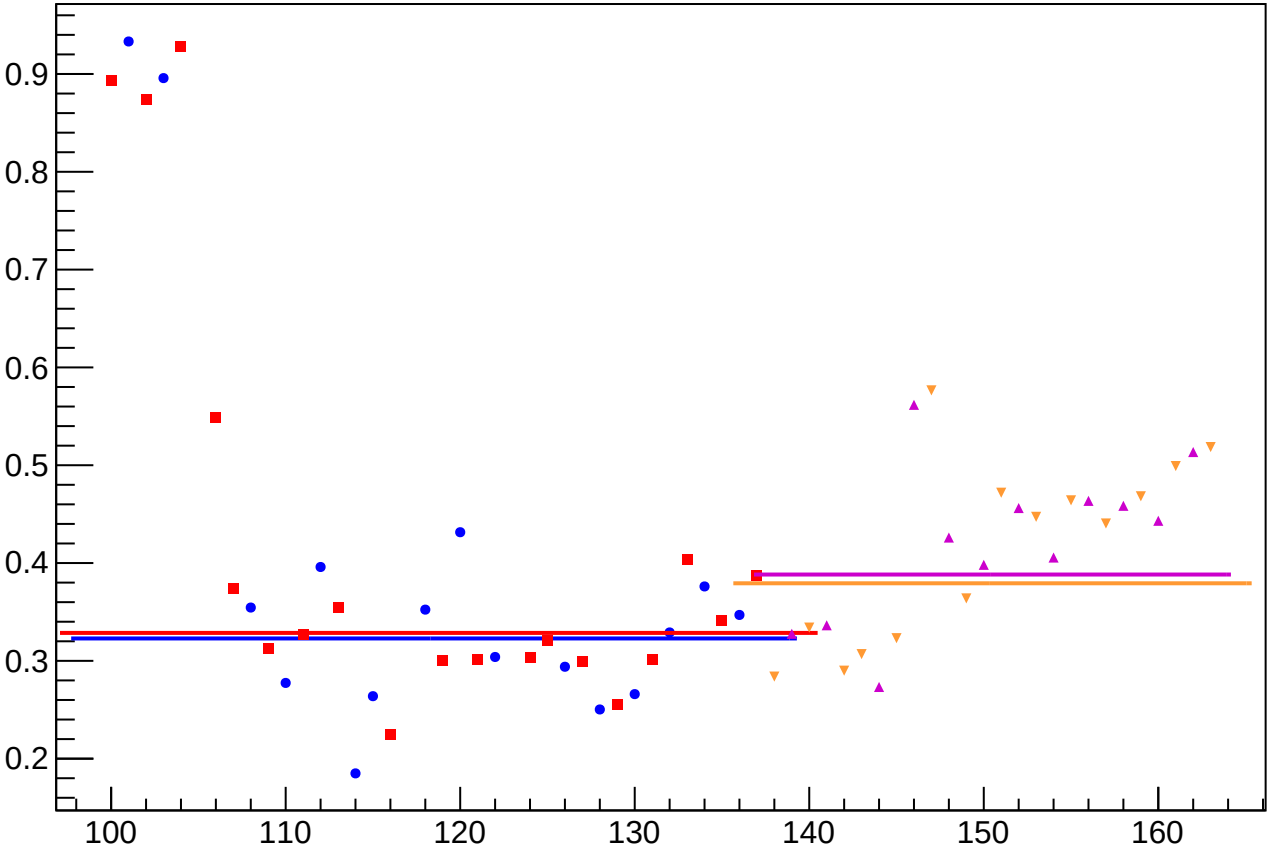
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.945+/-0.000 χ^2/NDF:4349538854.3/27

Out: 146.335+/-0.000 χ^2/NDF:4715445493.4/32

All: 146.145+/-0.000 χ^2/NDF: 9074375577.7

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.379+/-0.000 χ^2/NDF:1045937.6/13

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.388+/-0.000 χ^2/NDF:814099.1/11

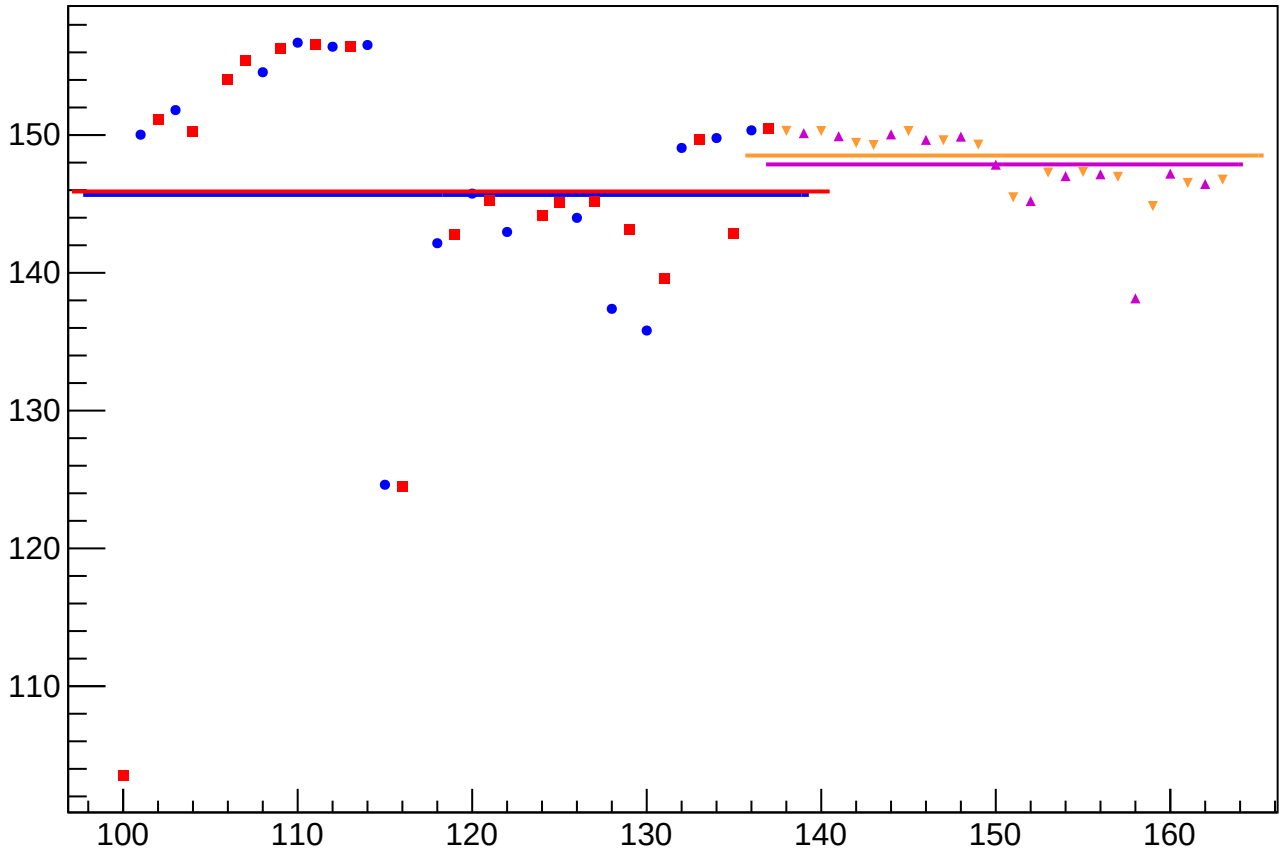
Left: 0.384+/-0.000 χ^2/NDF: 1865383.6/25

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.357+/-0.000 χ^2/NDF:2465755.8/27

Out: 0.357+/-0.000 χ^2/NDF:2511758.2/32

All: 0.357+/-0.000 χ^2/NDF: 4977530.2/60



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.513+/-0.000 χ^2/NDF:204954774.5/13

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.869+/-0.000 χ^2/NDF:524431208.1/11

Left: 148.208+/-0.000 χ^2/NDF: 742139626.4/25

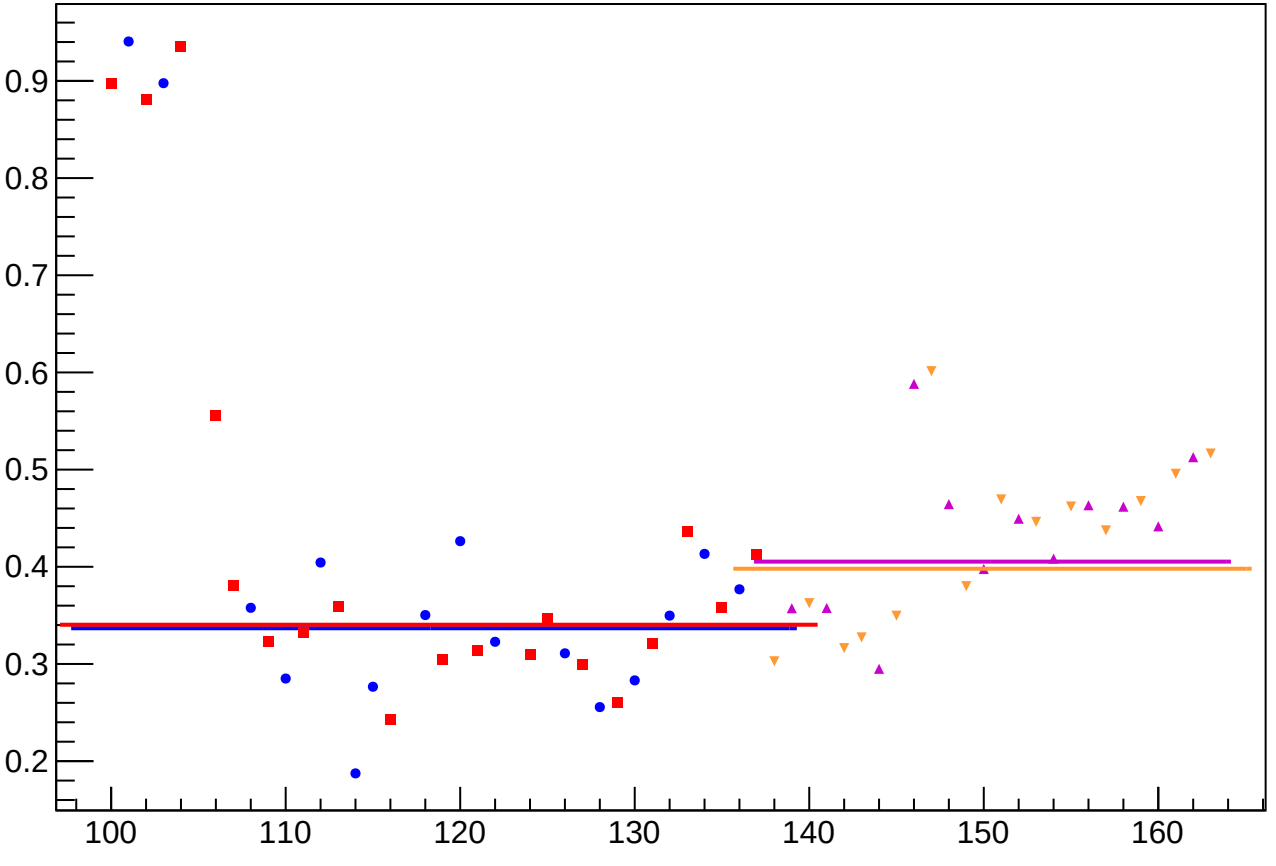
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.821+/-0.000 χ^2/NDF:4140909941.4/27

Out: 147.346+/-0.000 χ^2/NDF:4265625621.0/32

All: 147.091+/-0.000 χ^2/NDF: 8422240777.9

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.398+/-0.000 χ^2/NDF:780490.3/13

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.405+/-0.000 χ^2/NDF:633180.9/11

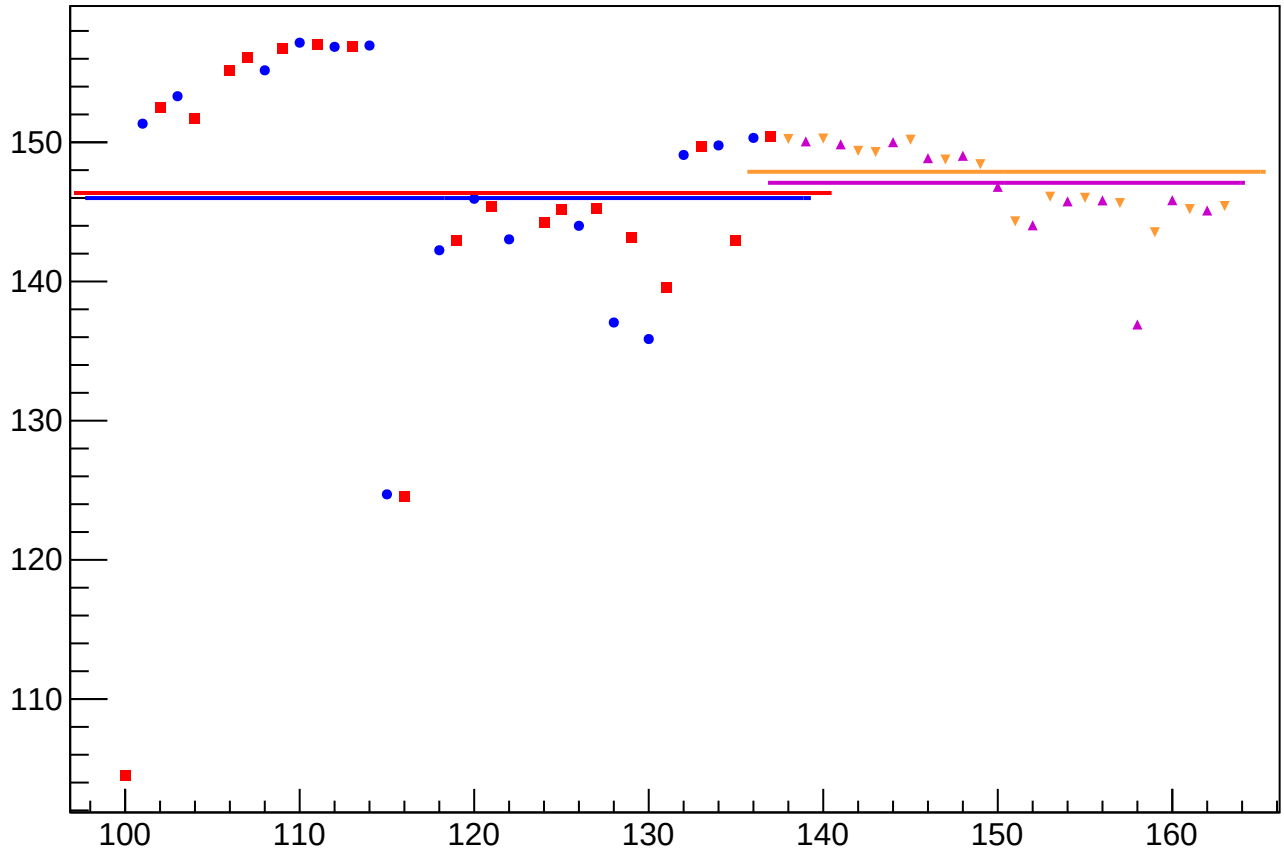
Left: 0.401+/-0.000 χ^2/NDF: 1416949.3/25

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

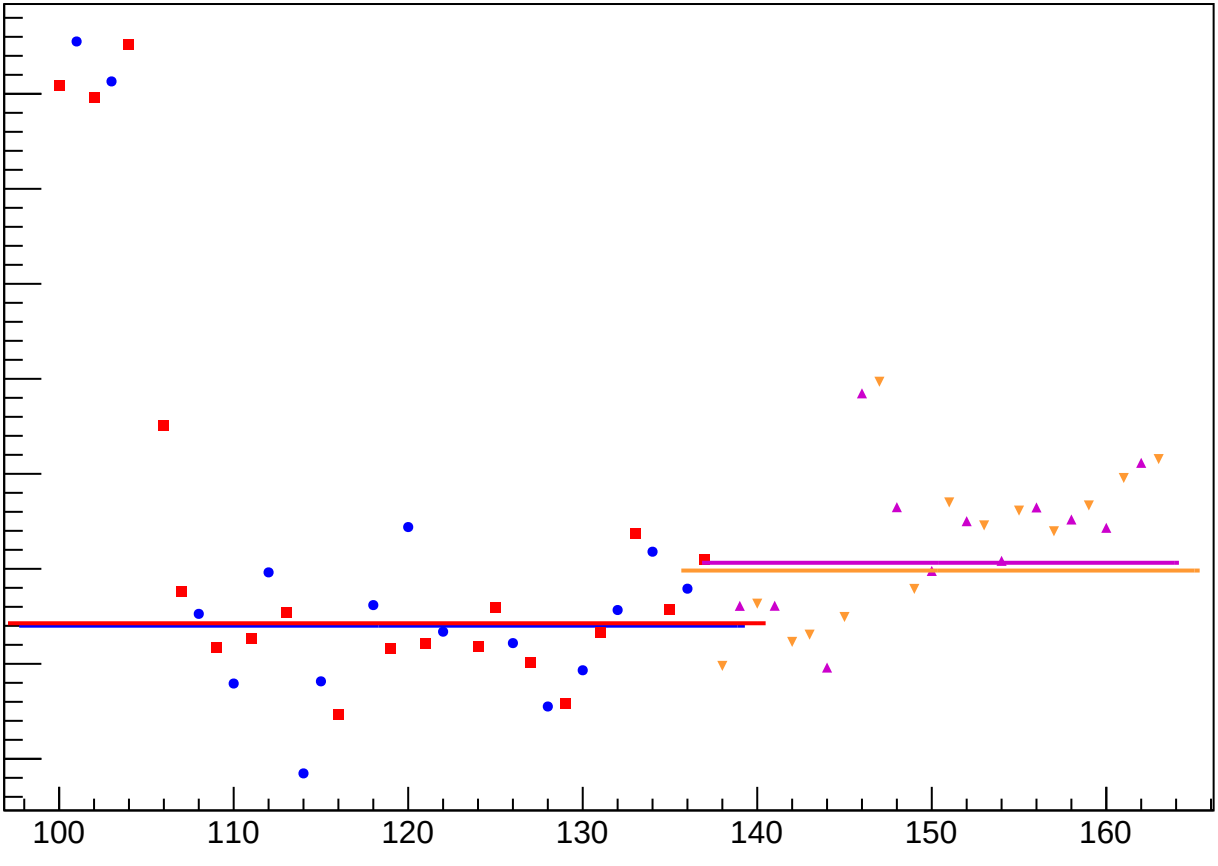
In: 0.373+/-0.000 χ^2/NDF:2263158.2/27

Out: 0.372+/-0.000 χ^2/NDF:2248075.1/32

All: 0.373+/-0.000 χ^2/NDF: 4511275.6/60


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 147.881+/-0.000 χ²/NDF:343710622.5/13
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 147.090+/-0.000 χ²/NDF:683590425.2/11
Left: 147.507+/-0.000 χ²/NDF: 1046471264.3/25
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.575+/-0.000 χ²/NDF:4337927207.9/27
Out: 147.205+/-0.000 χ²/NDF:4373528865.2/32
All: 146.900+/-0.000 χ²/NDF: 8733829120.6

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.398+/-0.000 χ^2/NDF:774607.2/13

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.406+/-0.000 χ^2/NDF:605253.9/11

Left: 0.402+/-0.000 χ^2/NDF: 1383949.8/25

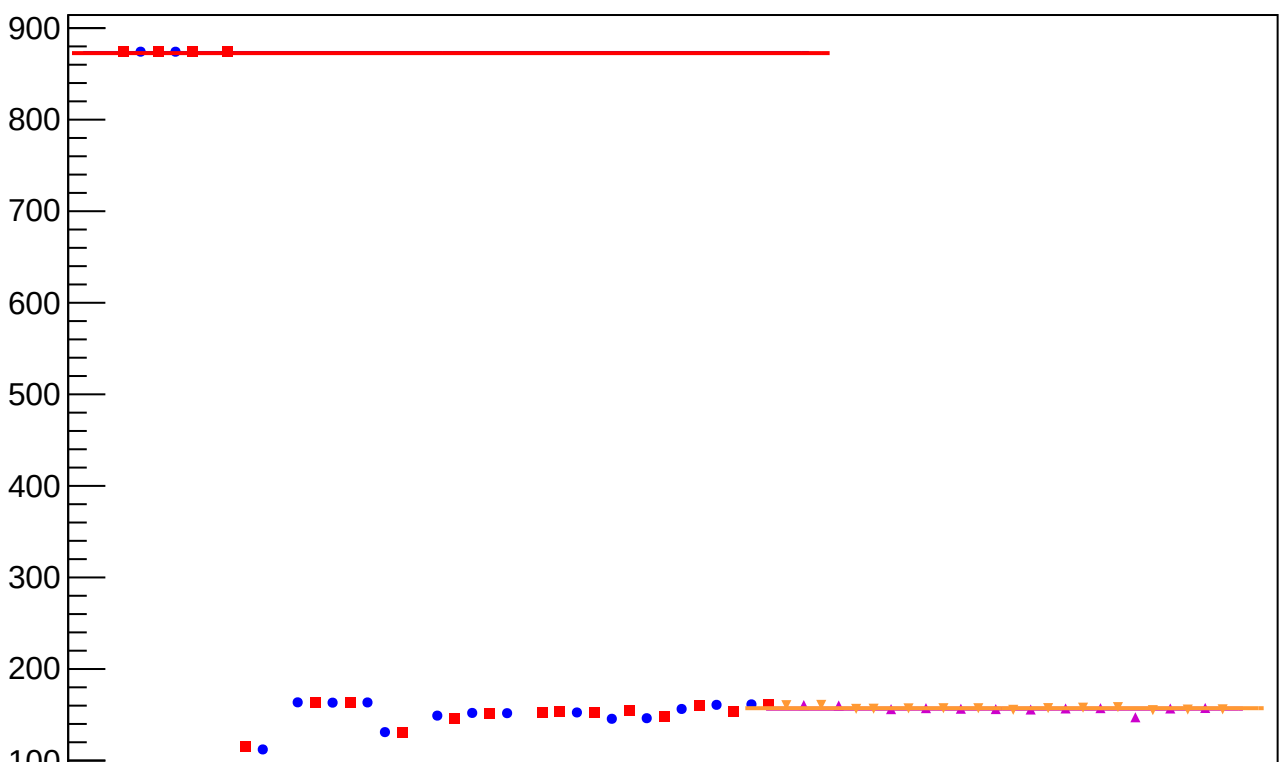
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.375+/-0.000 χ^2/NDF:2236924.8/27

Out: 0.374+/-0.000 χ^2/NDF:2222389.4/32

All: 0.374+/-0.000 χ^2/NDF: 4459657.0/60

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.200+/-0.000 χ^2/NDF:61338692.8/13

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 156.646+/-0.000 χ^2/NDF:165667627.6/11

Left: 156.937+/-0.000 χ^2/NDF: 229786598.4/25

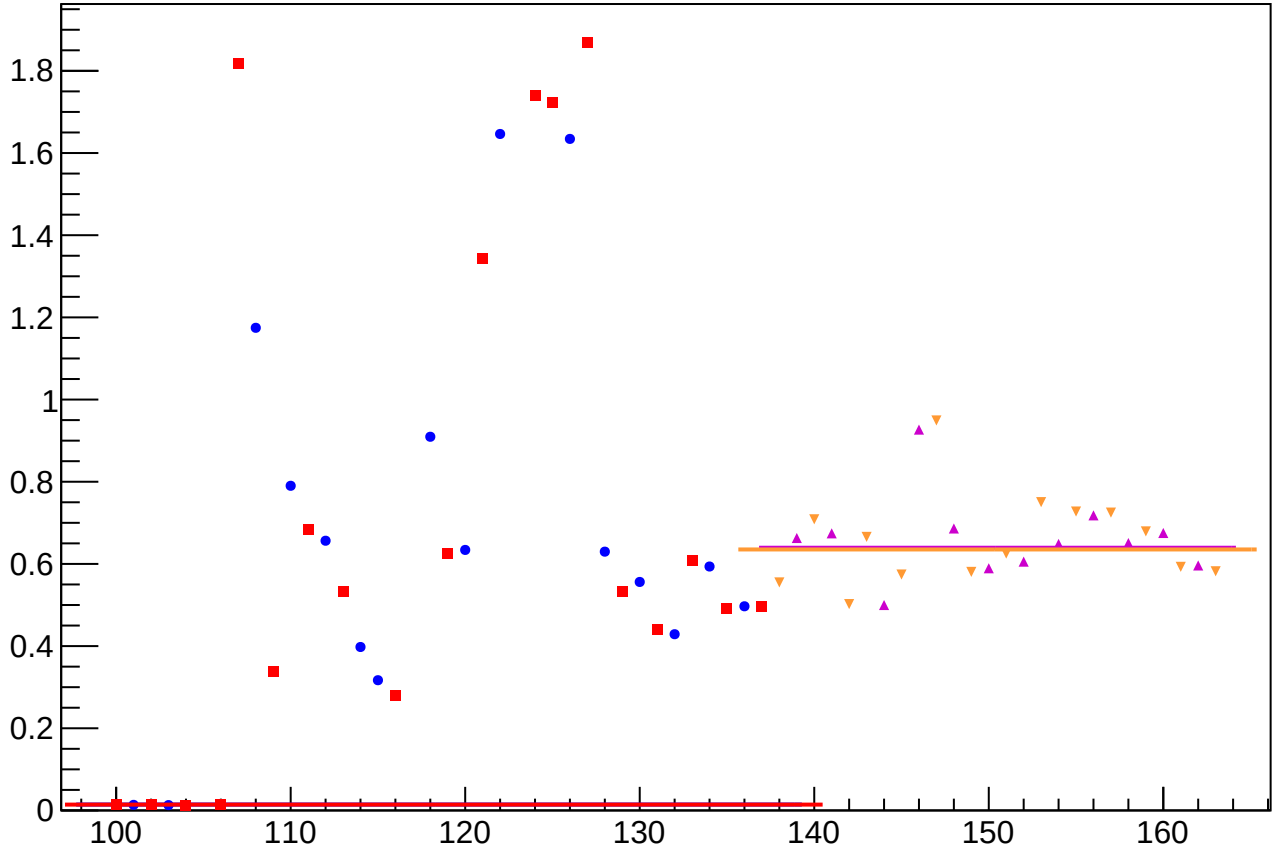
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.091+/-0.000 χ^2/NDF:16021240092732.0/2

Out: 871.017+/-0.000 χ^2/NDF:18907517528110.1

All: 871.052+/-0.000 χ^2/NDF: 34928778600

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.635+/-0.000 χ^2/NDF:299474.8/13

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.639+/-0.000 χ^2/NDF:229101.3/11

Left: 0.637+/-0.000 χ^2/NDF: 528896.9/25

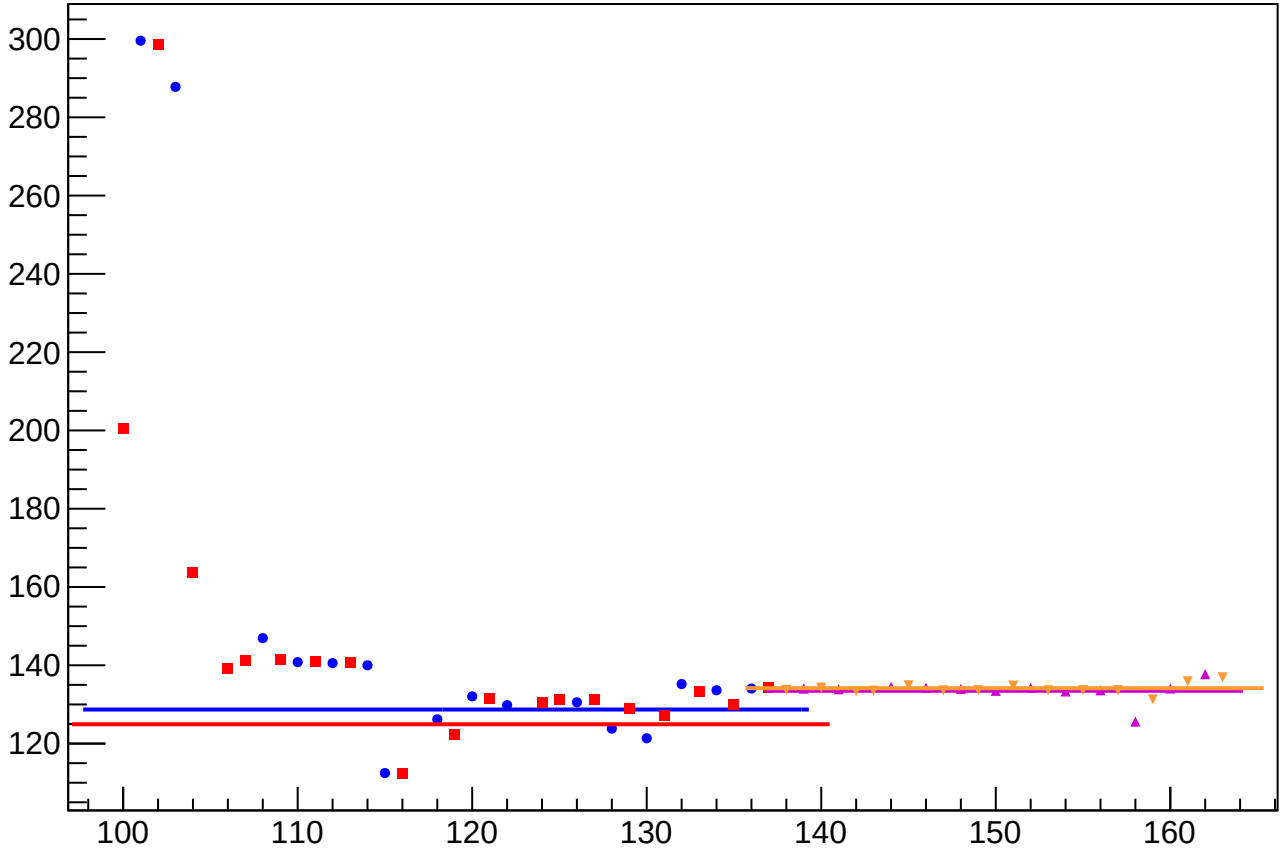
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:23300904.6/27

Out: 0.016+/-0.000 χ^2/NDF:24382420.4/32

All: 0.016+/-0.000 χ^2/NDF: 47683668.2/60

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.156+/-0.000 χ^2/NDF:80140272.3/13

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.491+/-0.000 χ^2/NDF:316447311.5/11

Left: 133.845+/-0.000 χ^2/NDF: 405990074.2/25

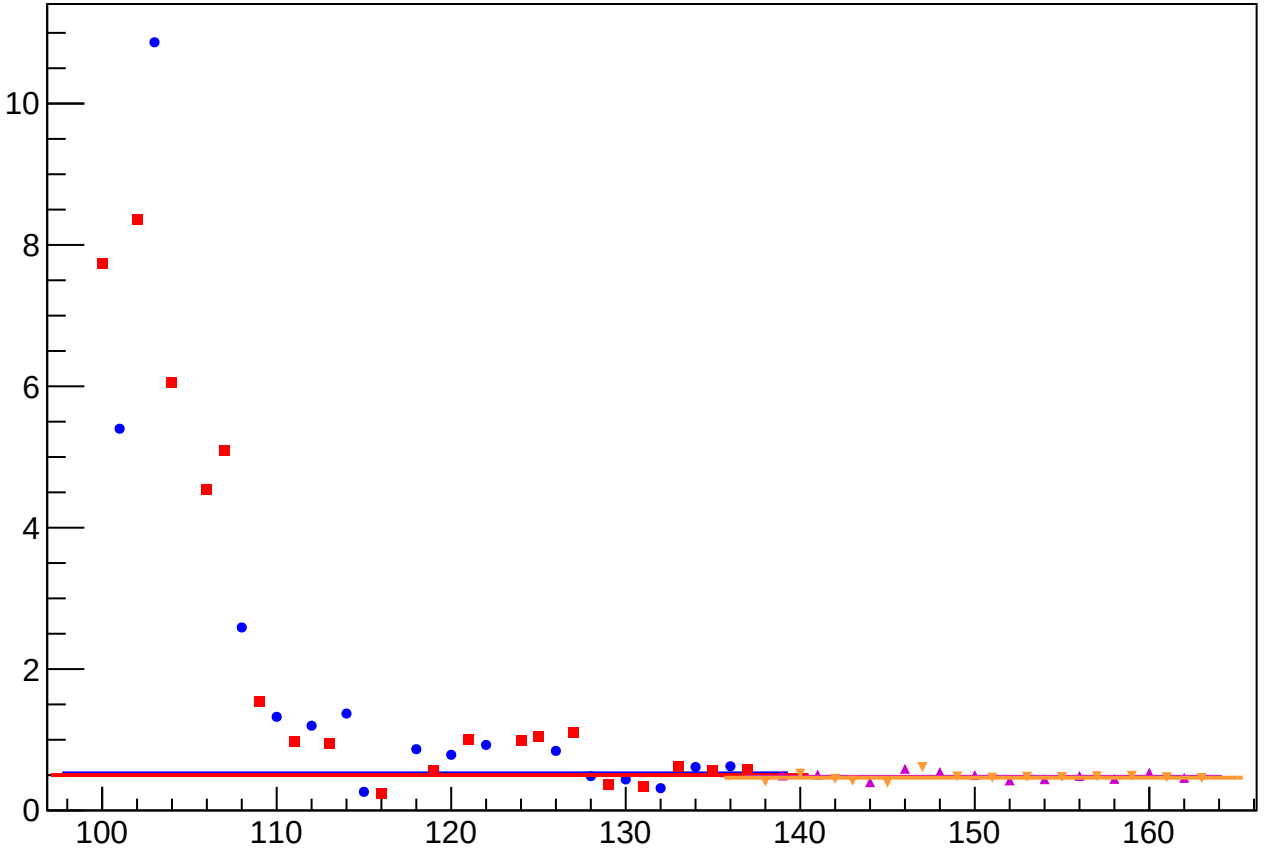
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.288+/-0.000 χ^2/NDF:2202296233.0/27

Out: 131.984+/-0.000 χ^2/NDF:2389888858.6/32

All: 132.127+/-0.000 χ^2/NDF: 4594787761.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.463+/-0.000 χ^2/NDF:195329.0/13

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.475+/-0.000 χ^2/NDF:210611.9/11

Left: 0.469+/-0.000 χ^2/NDF: 411608.5/25

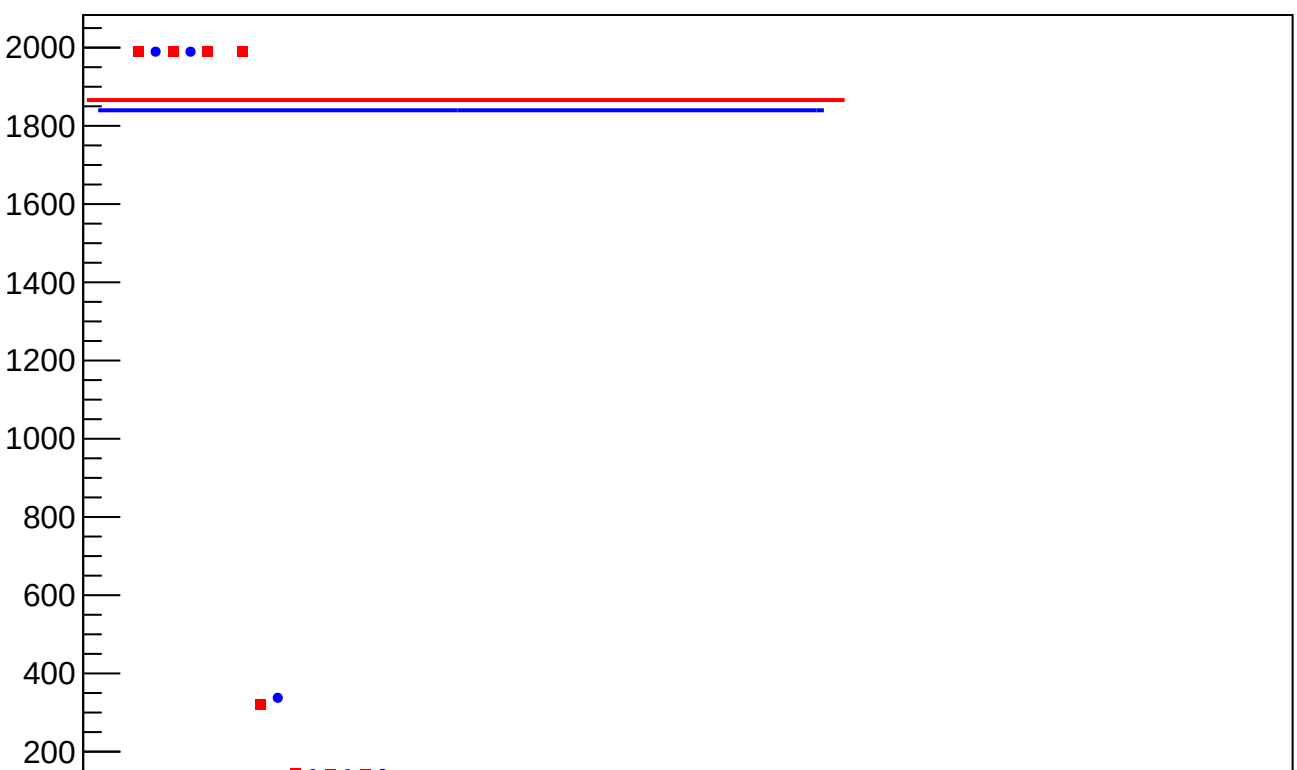
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.487+/-0.000 χ^2/NDF:4397424.9/27

Out: 0.472+/-0.000 χ^2/NDF:5109146.8/32

All: 0.479+/-0.000 χ^2/NDF: 9519439.0/60

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.375+/-0.000 χ^2/NDF:49391510.6/13

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.084+/-0.000 χ^2/NDF:215867515.1/11

Left: 137.239+/-0.000 χ^2/NDF: 267899980.0/25

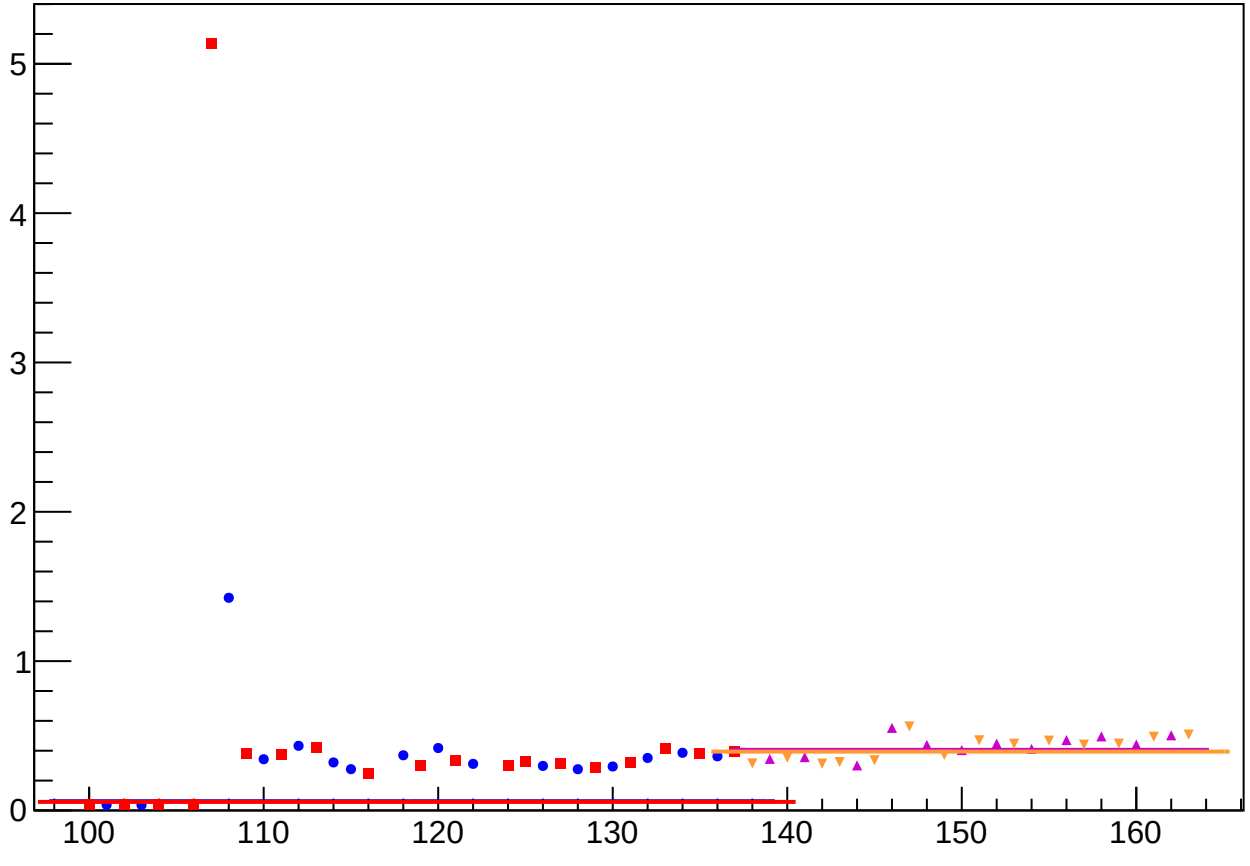
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1681.153+/-0.000 χ^2/NDF:299959733627819.

Out: 1708.099+/-0.000 χ^2/NDF:32449575309846

All: 1695.654+/-0.000 χ^2/NDF: 624701231

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.394+/-0.000 χ^2/NDF:726834.6/13

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.406+/-0.000 χ^2/NDF:585676.6/11

Left: 0.400+/-0.000 χ^2/NDF: 1320742.8/25

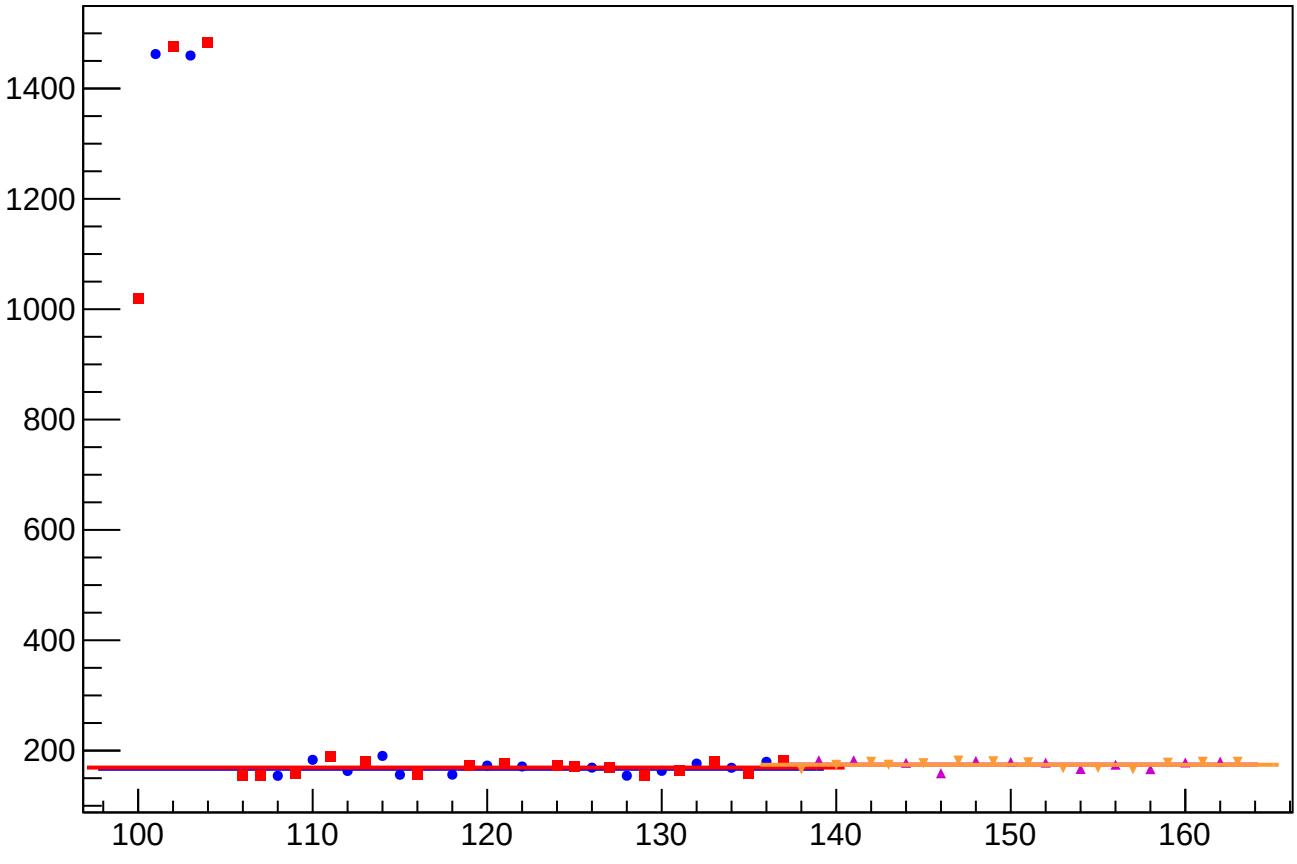
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.094+/-0.000 χ^2/NDF:21325659.5/27

Out: 0.088+/-0.000 χ^2/NDF:22273600.3/32

All: 0.091+/-0.000 χ^2/NDF: 43621677.5/60

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.359+/-0.000 χ^2/NDF:304461301.2/13

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 174.717+/-0.000 χ^2/NDF:511302060.2/11

Left: 174.530+/-0.000 χ^2/NDF: 816355209.6/25

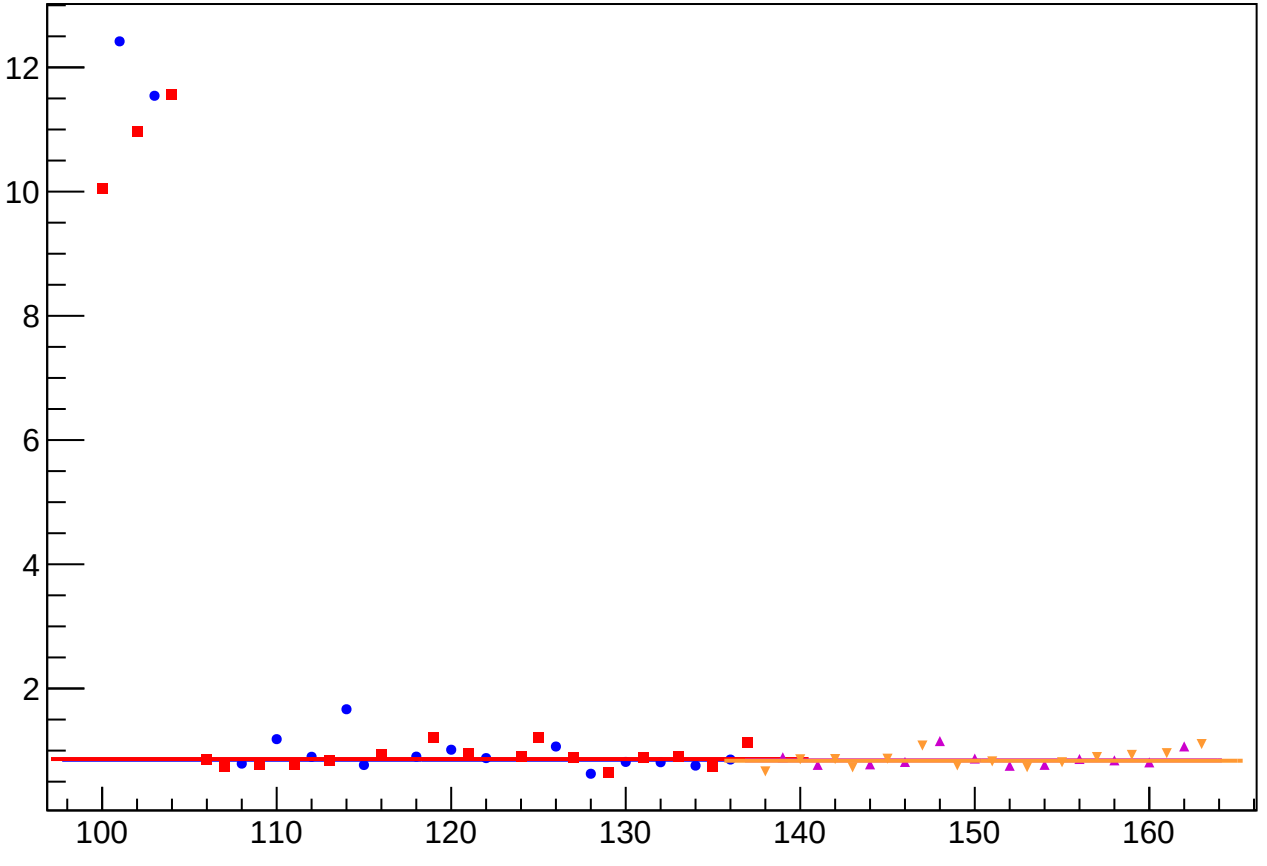
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.833+/-0.000 χ^2/NDF:15322673872.5/27

Out: 172.512+/-0.000 χ^2/NDF:16712471752.6/32

All: 172.183+/-0.000 χ^2/NDF: 32038504507.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.837+/-0.000 χ^2/NDF:261914.1/13

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.843+/-0.000 χ^2/NDF:177682.2/11

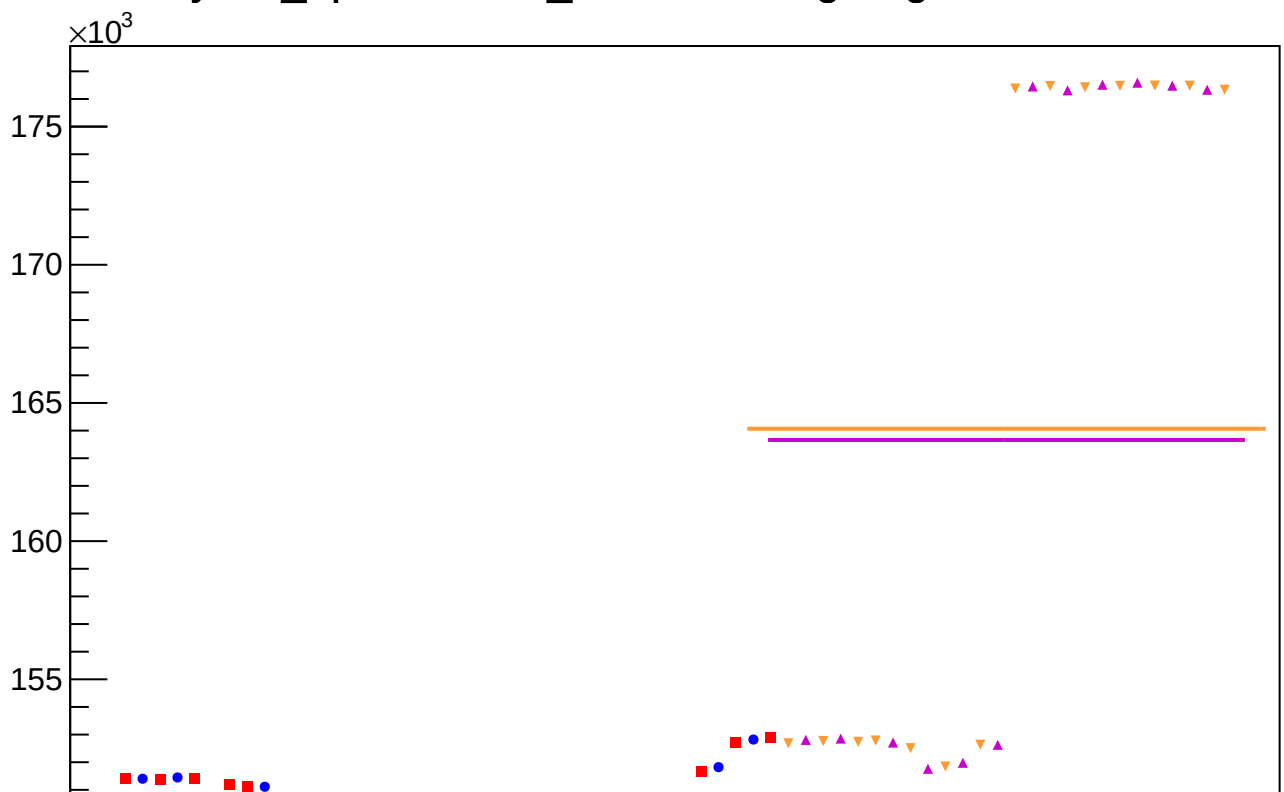
Left: 0.840+/-0.000 χ^2/NDF: 439931.9/25

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

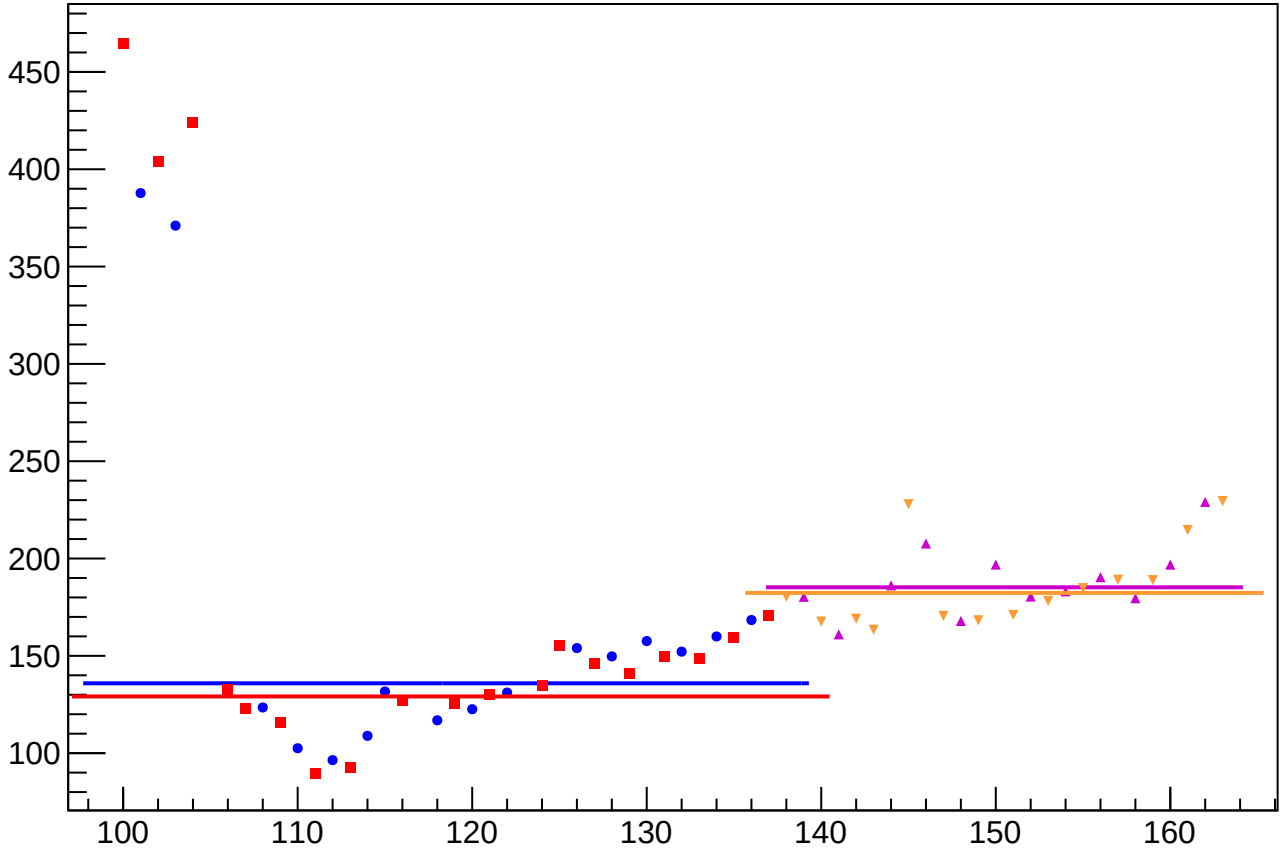
In: 0.847+/-0.000 χ^2/NDF:2480621.2/27

Out: 0.847+/-0.000 χ^2/NDF:2476293.7/32

All: 0.847+/-0.000 χ^2/NDF: 4956915.1/60


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 164067.149+/-0.055 χ²/NDF:46739010078.6/13
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 163661.096+/-0.058 χ²/NDF:42219595831.4/11
Left: 163874.870+/-0.040 χ²/NDF: 88984227359.5
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 156698.043+/-0.040 χ²/NDF:69365009793.9/2
Out: 156778.470+/-0.037 χ²/NDF:79239914179.3
All: 156740.724+/-0.027 χ²/NDF: 14860708

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 182.327+/-0.039 χ^2/NDF:244000.7/13

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 185.219+/-0.041 χ^2/NDF:153815.7/11

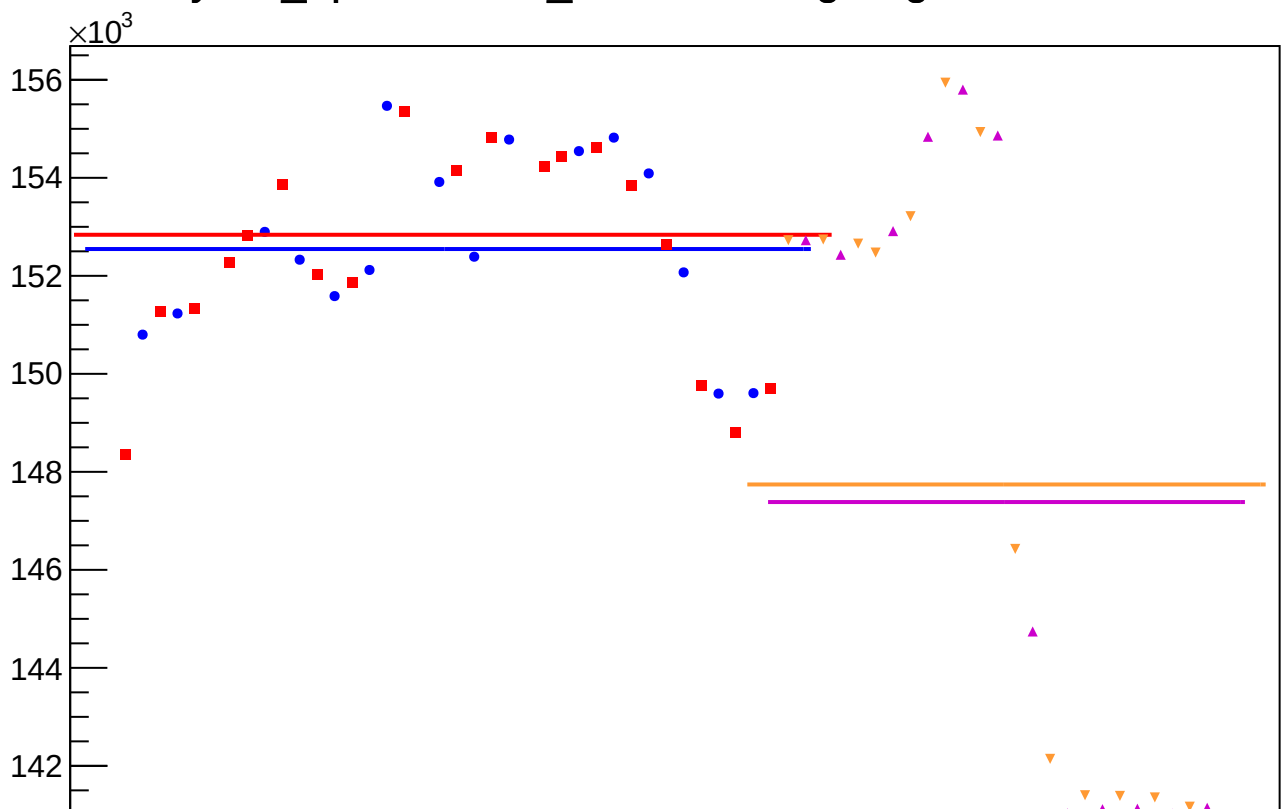
Left: 183.697+/-0.028 χ^2/NDF: 400416.2/25

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 158.987+/-0.028 χ^2/NDF:2333946.9/27

Out: 153.618+/-0.026 χ^2/NDF:2860678.0/32

All: 156.138+/-0.019 χ^2/NDF: 5213918.7/60



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147383.651+/-0.064 χ^2/NDF:9061568198.2/11

Left: 147570.869+/-0.044 χ^2/NDF: 17968990748.7

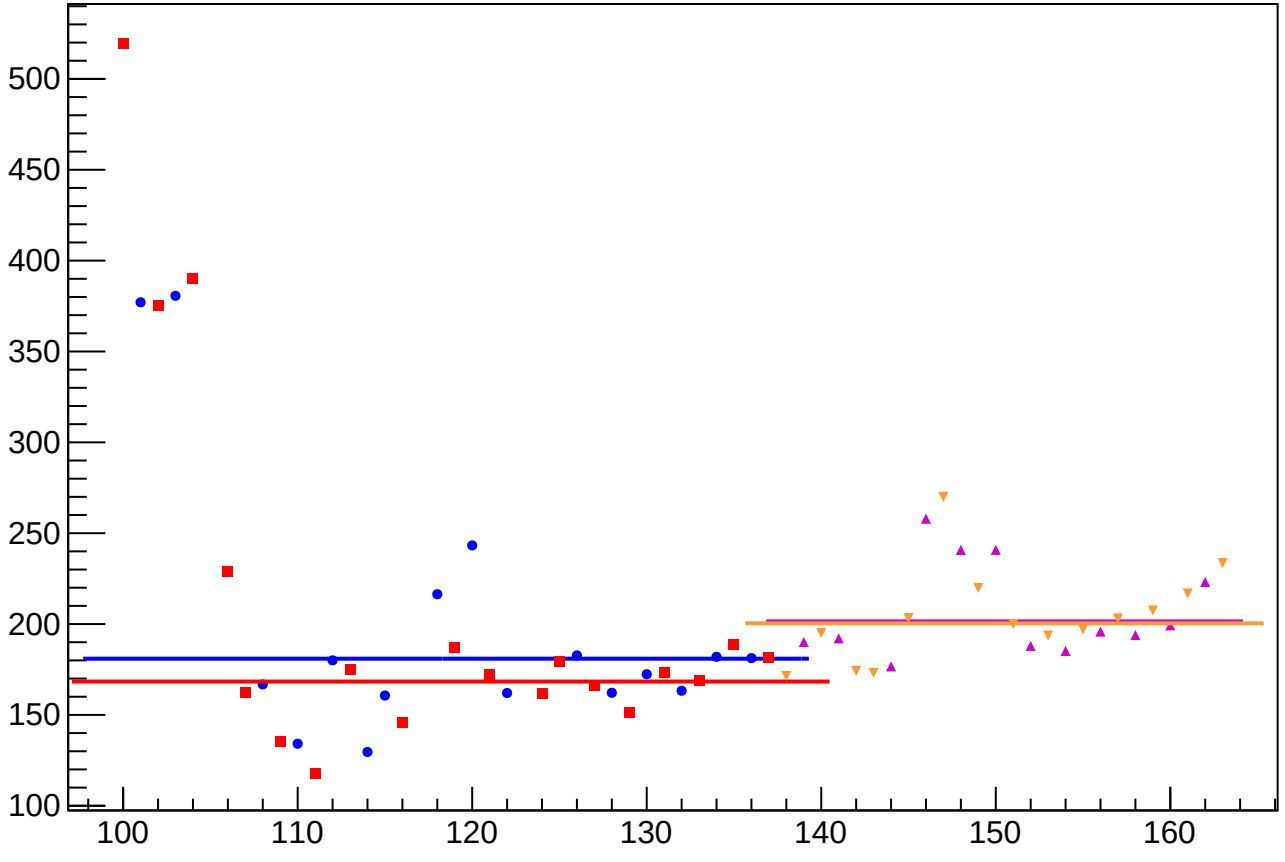
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 149627.094+/-0.048 χ^2/NDF:12575153486.3/2

Out: 150061.085+/-0.045 χ^2/NDF:12811997388.9

All: 149857.626+/-0.033 χ^2/NDF: 25430818

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 200.379+/-0.043 χ^2/NDF:272765.0/13

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.470+/-0.045 χ^2/NDF:260503.8/11

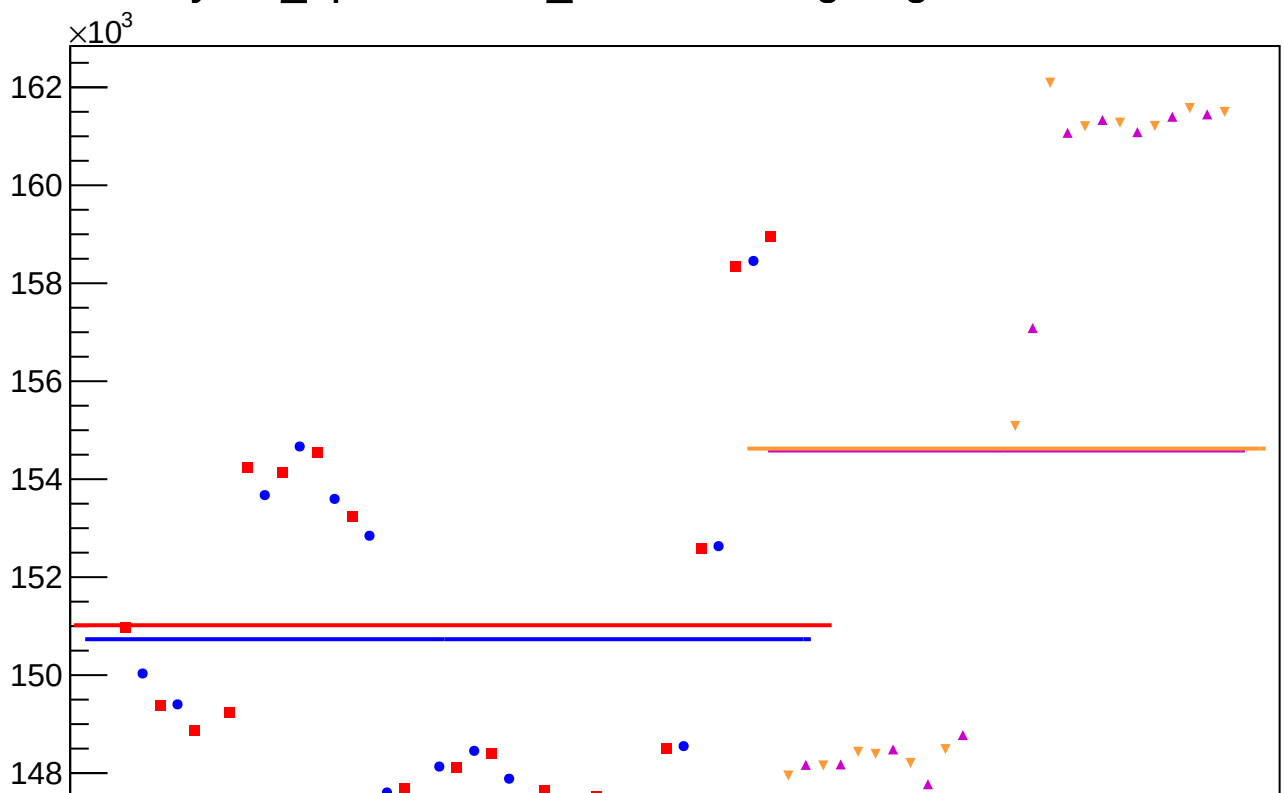
Left: 200.901+/-0.031 χ^2/NDF: 533575.5/25

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 192.549+/-0.034 χ^2/NDF:1258682.7/27

Out: 185.804+/-0.032 χ^2/NDF:1613492.9/32

All: 188.966+/-0.023 χ^2/NDF: 2893273.6/60



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 154624.811+/-0.058 χ^2/NDF:12027422164.8/13

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 154585.689+/-0.062 χ^2/NDF:10325402783.6/11

Left: 154606.347+/-0.042 χ^2/NDF: 22353036358.1

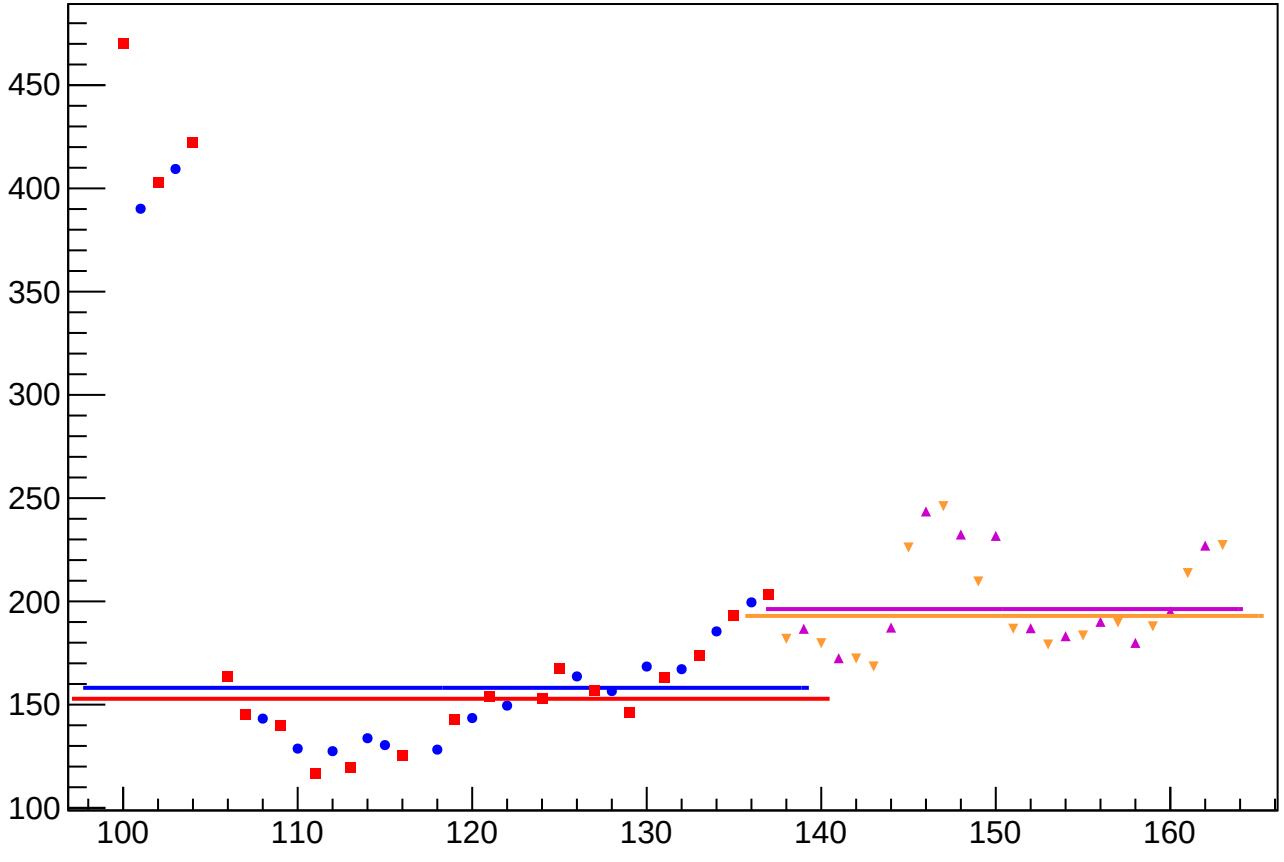
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 152692.544+/-0.044 χ^2/NDF:15517061633.9/2

Out: 152870.387+/-0.042 χ^2/NDF:17165249486.1

All: 152786.023+/-0.030 χ^2/NDF: 32690862

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 192.958+/-0.041 χ^2/NDF:253019.7/13

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 196.283+/-0.044 χ^2/NDF:248122.4/11

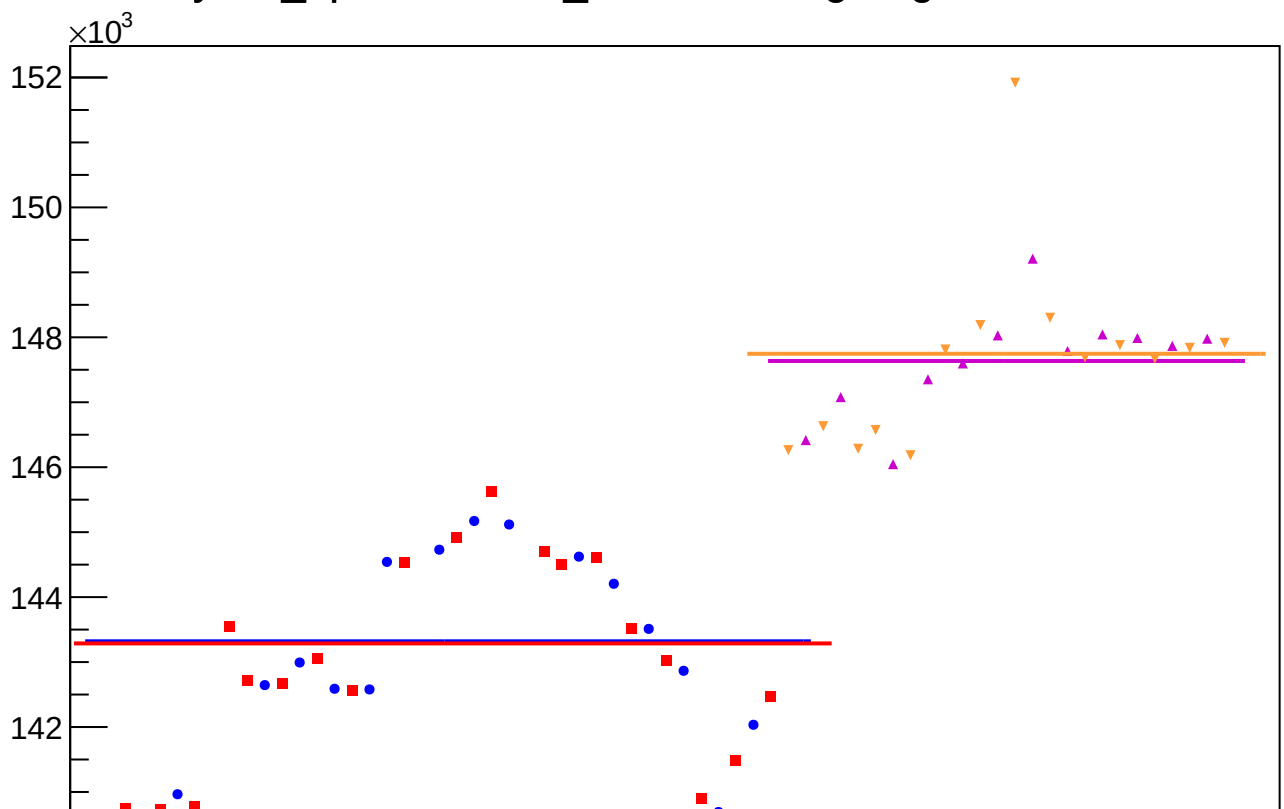
Left: 194.527+/-0.030 χ^2/NDF: 504196.3/25

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 177.537+/-0.031 χ^2/NDF:1817911.9/27

Out: 173.441+/-0.030 χ^2/NDF:1975524.0/32

All: 175.384+/-0.021 χ^2/NDF: 3802507.6/60



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147746.370+/-0.055 χ^2/NDF:670267127.5/13

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147635.495+/-0.058 χ^2/NDF:199165084.9/11

Left: 147693.948+/-0.040 χ^2/NDF: 871343744.0/25

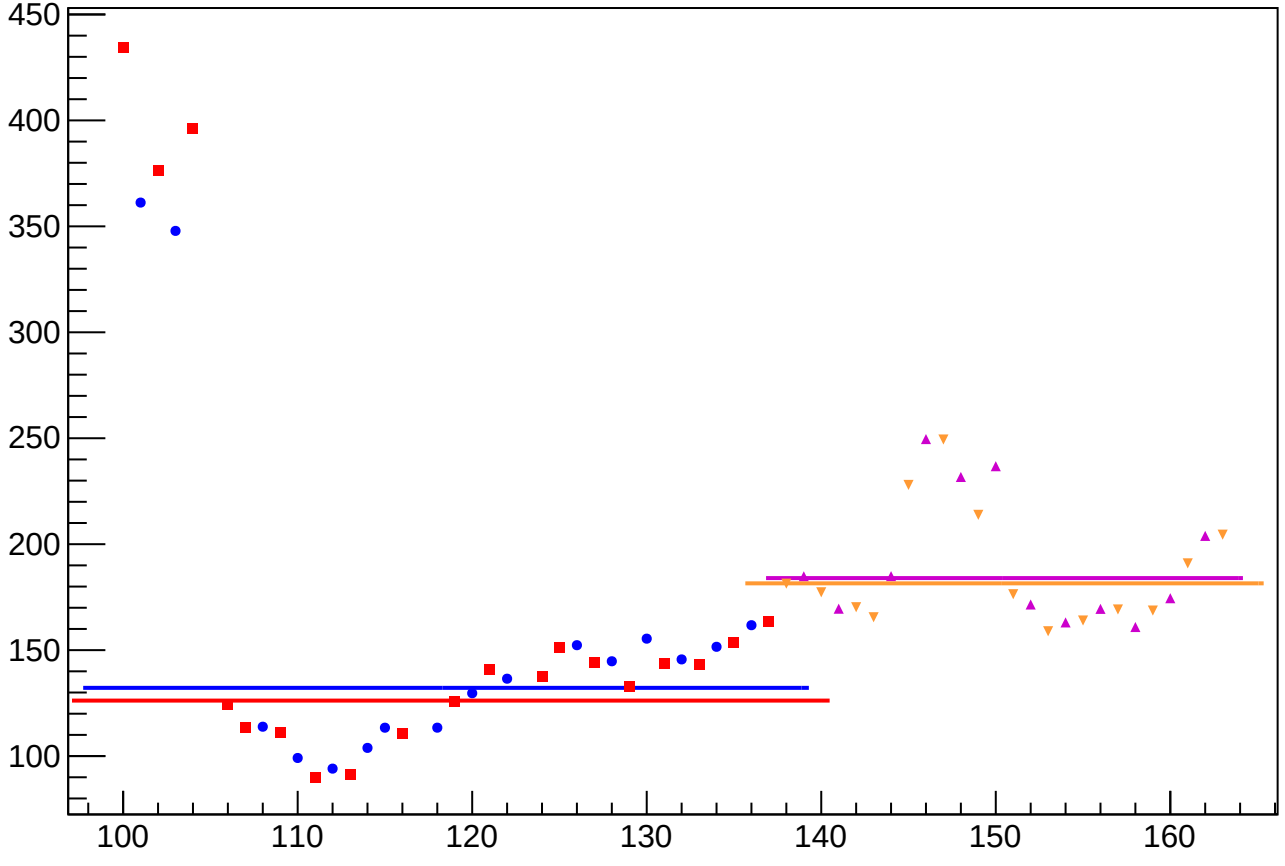
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145280.178+/-0.039 χ^2/NDF:3756609533.8/27

Out: 145286.093+/-0.037 χ^2/NDF:4898957391.0/3

All: 145283.316+/-0.027 χ^2/NDF: 86555789

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 181.520+/-0.039 χ^2/NDF:341184.1/13

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 184.004+/-0.041 χ^2/NDF:396386.0/11

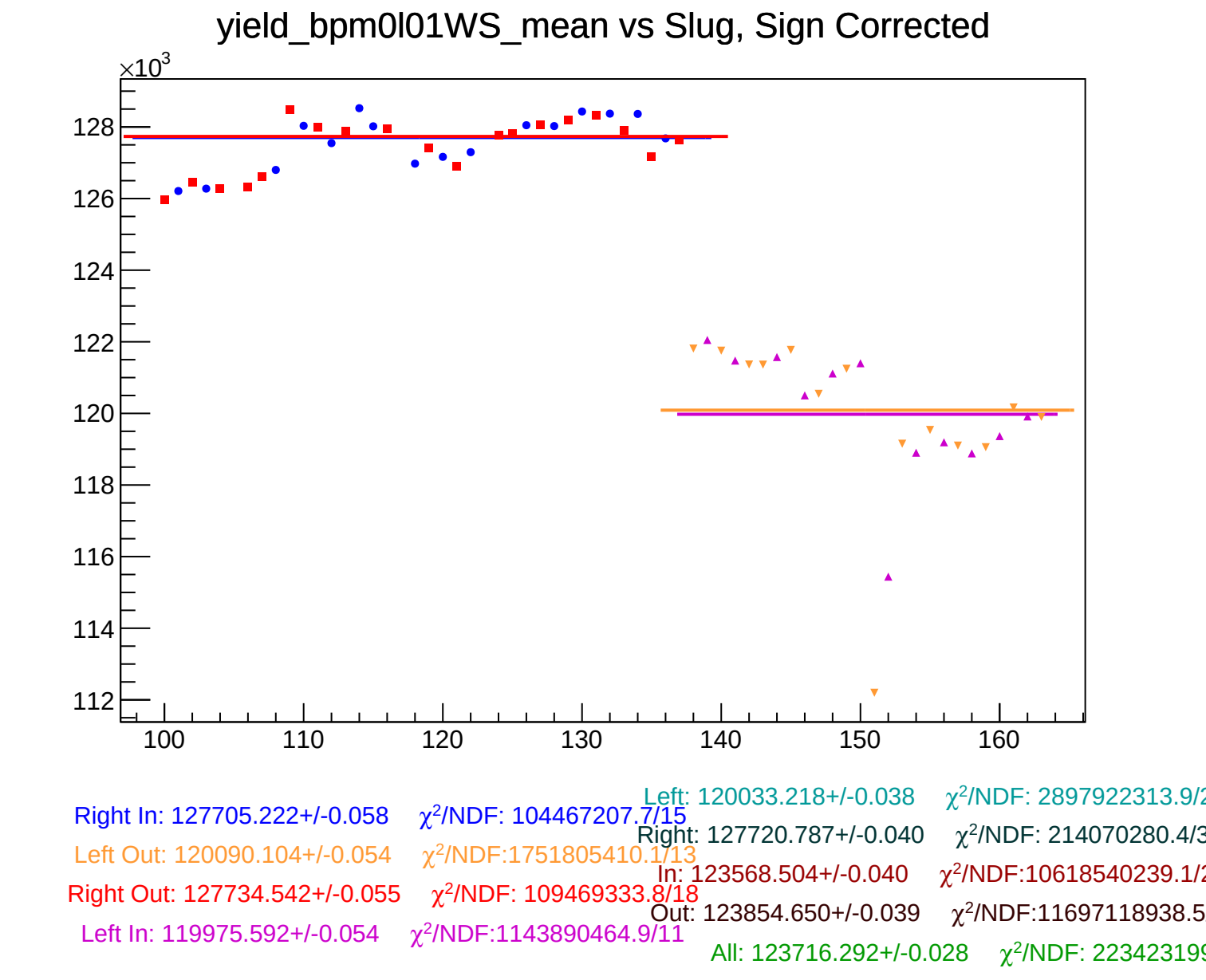
Left: 182.694+/-0.028 χ^2/NDF: 739489.8/25

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

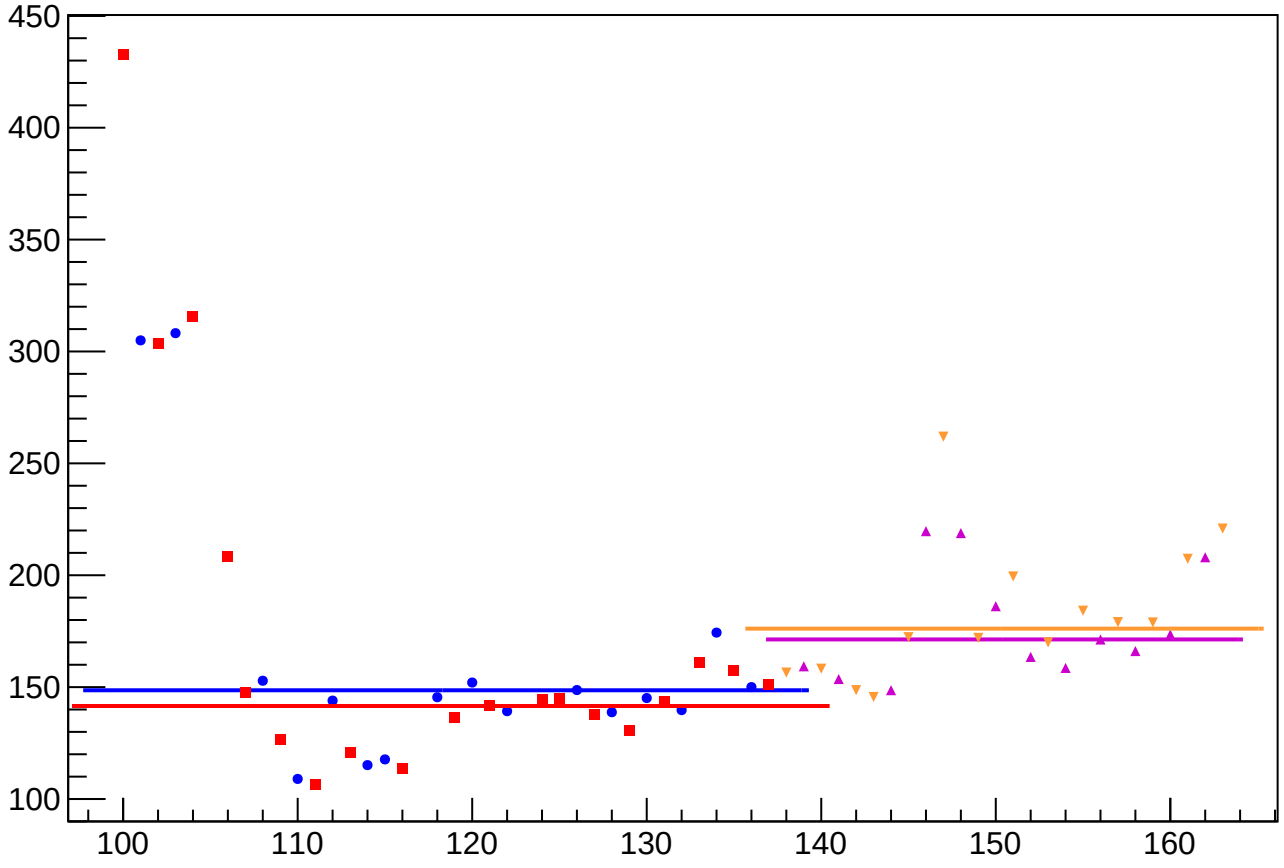
In: 155.735+/-0.028 χ^2/NDF:2639350.9/27

Out: 150.995+/-0.026 χ^2/NDF:2997080.2/32

All: 153.220+/-0.019 χ^2/NDF: 5651910.7/60


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 120090.104+/-0.054 χ²/NDF:1751805410.1/13
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119975.592+/-0.054 χ²/NDF:1143890464.9/11
Left: 120033.218+/-0.038 χ²/NDF: 2897922313.9/2
Right: 127720.787+/-0.040 χ²/NDF: 214070280.4/3
In: 123568.504+/-0.040 χ²/NDF:10618540239.1/2
Out: 123854.650+/-0.039 χ²/NDF:11697118938.5
All: 123716.292+/-0.028 χ²/NDF: 22342319

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 176.141+/-0.038 χ^2/NDF:450228.8/13

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 171.310+/-0.038 χ^2/NDF:310026.7/11

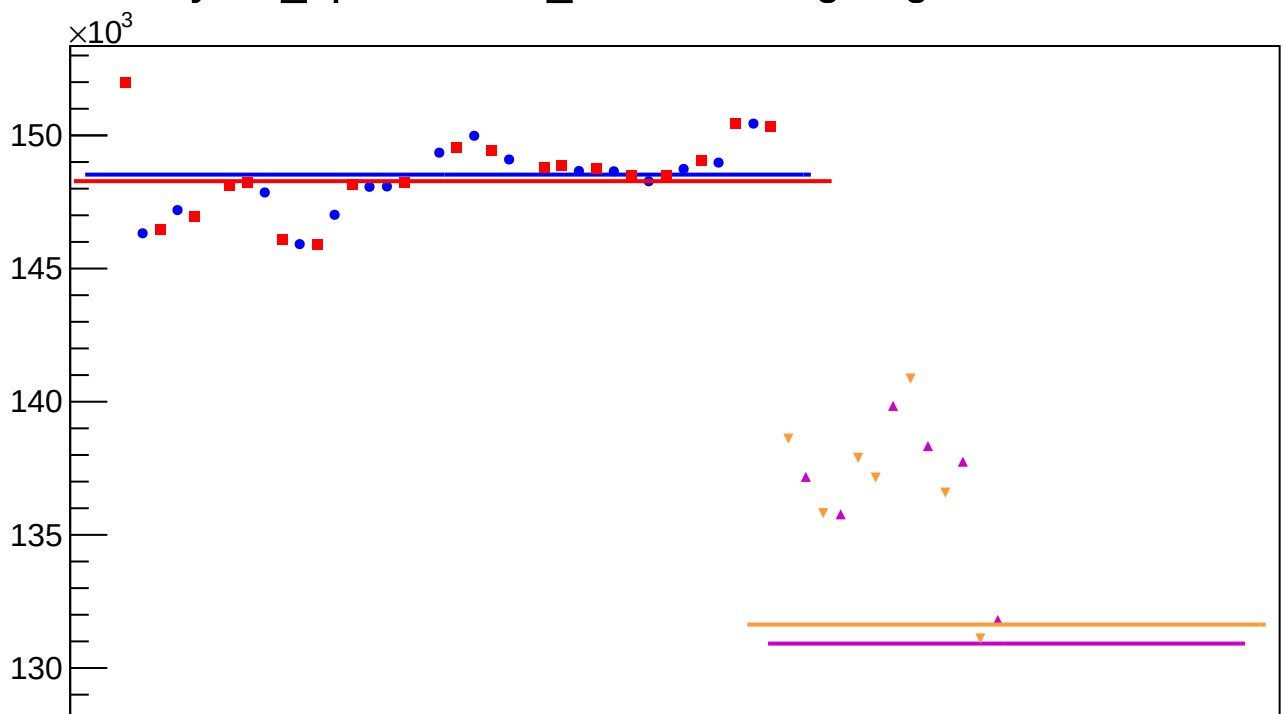
Left: 173.741+/-0.027 χ^2/NDF: 768181.3/25

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 160.751+/-0.028 χ^2/NDF:1299595.8/27

Out: 159.113+/-0.027 χ^2/NDF:1853941.5/32

All: 159.905+/-0.020 χ^2/NDF: 3155283.8/60



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 131631.696+/-0.078 χ^2/NDF:5013179808.9/13

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130917.384+/-0.079 χ^2/NDF:5325011078.4/11

Left: 131280.024+/-0.056 χ^2/NDF: 10379564478.1

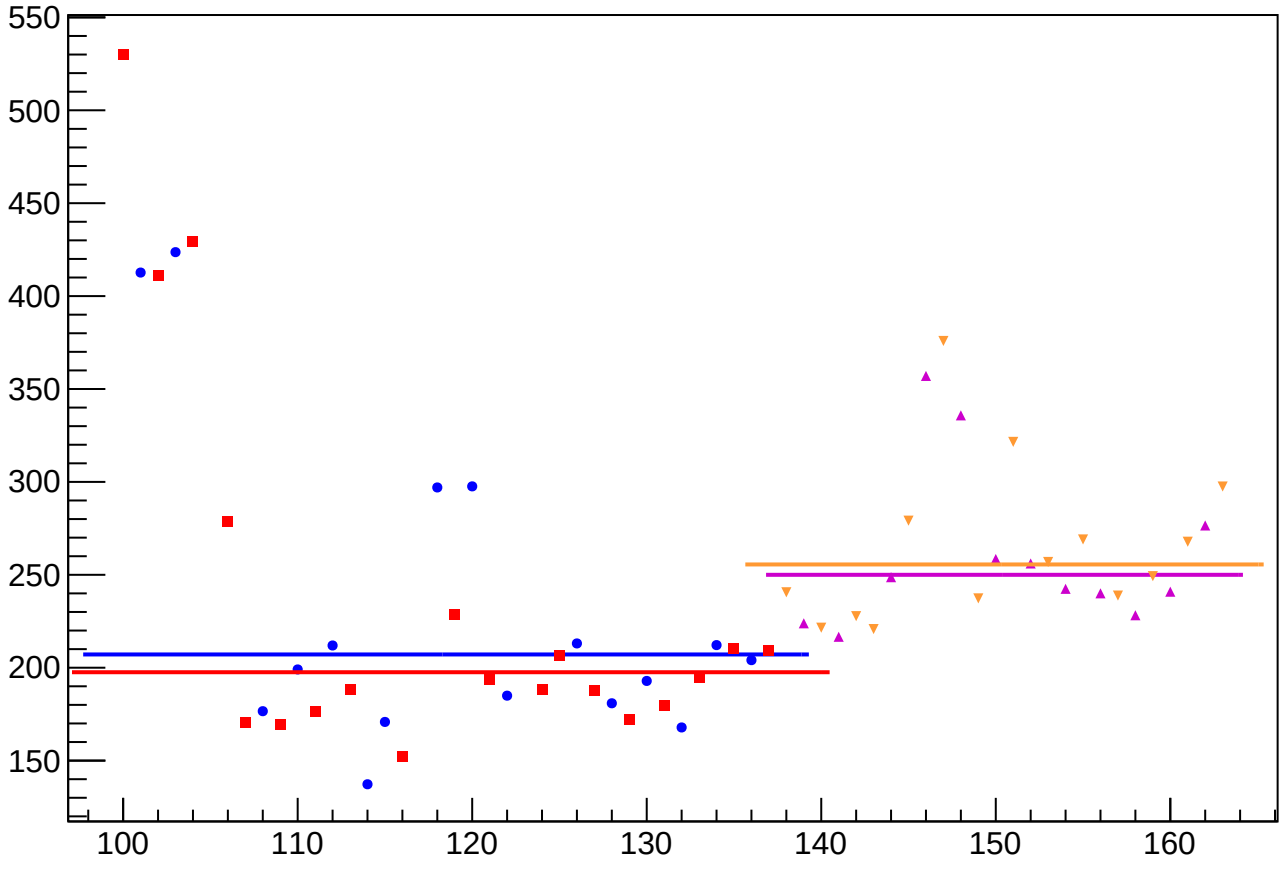
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 139414.955+/-0.057 χ^2/NDF:29435479641.9/2

Out: 140098.556+/-0.055 χ^2/NDF:28526726284.5

All: 139770.798+/-0.039 χ^2/NDF: 58037288

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 255.573+/-0.055 χ^2/NDF:402404.5/13

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 249.997+/-0.056 χ^2/NDF:366859.7/11

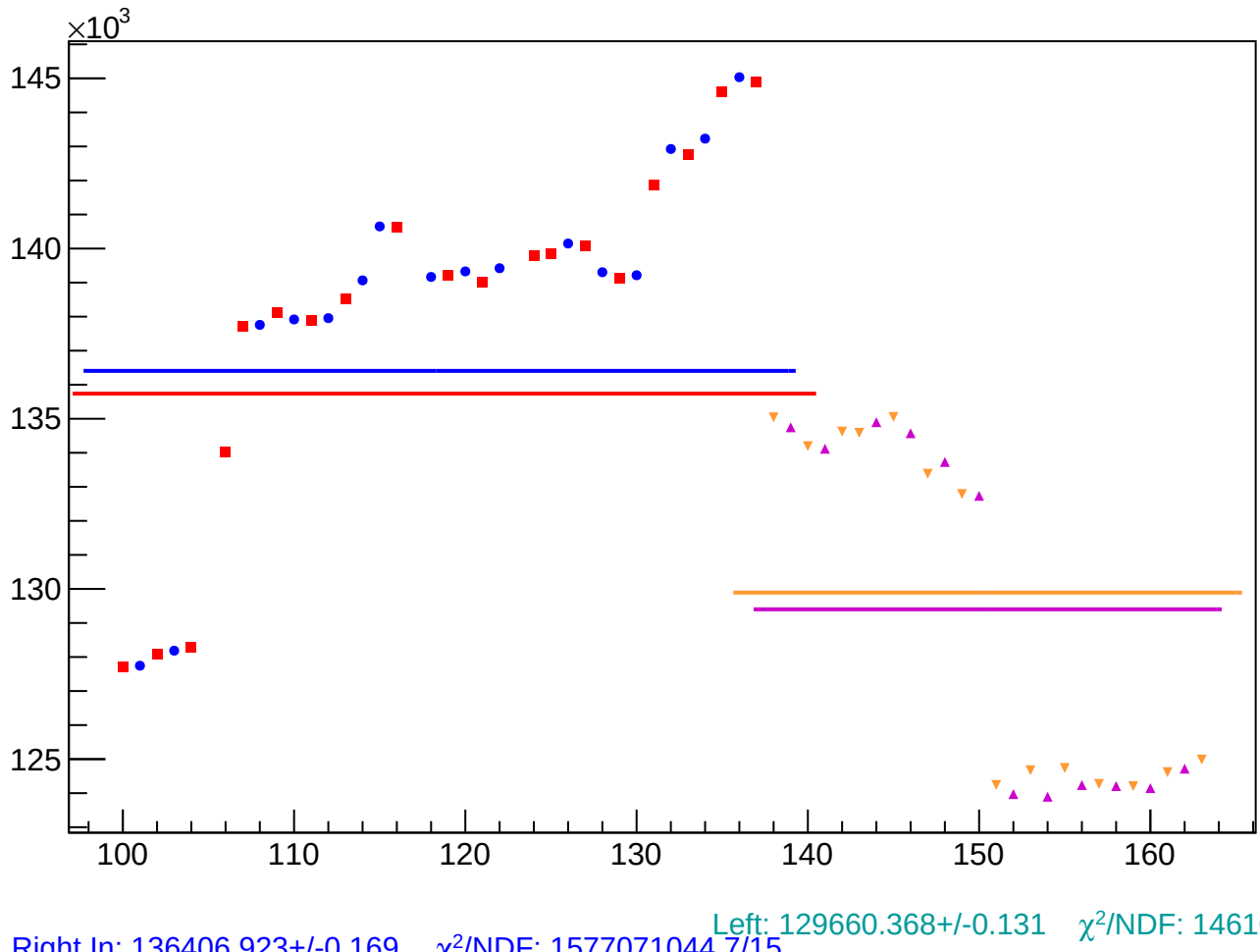
Left: 252.828+/-0.039 χ^2/NDF: 774306.8/25

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 229.315+/-0.040 χ^2/NDF:1622258.6/27

Out: 226.079+/-0.039 χ^2/NDF:1869933.4/32

All: 227.630+/-0.028 χ^2/NDF: 3495557.2/60



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 129892.447+/-0.180 χ^2/NDF:759532191.8/13

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 129401.409+/-0.190 χ^2/NDF:697972820.7/11

Left: 129660.368+/-0.131 χ^2/NDF: 1461016538.1/2

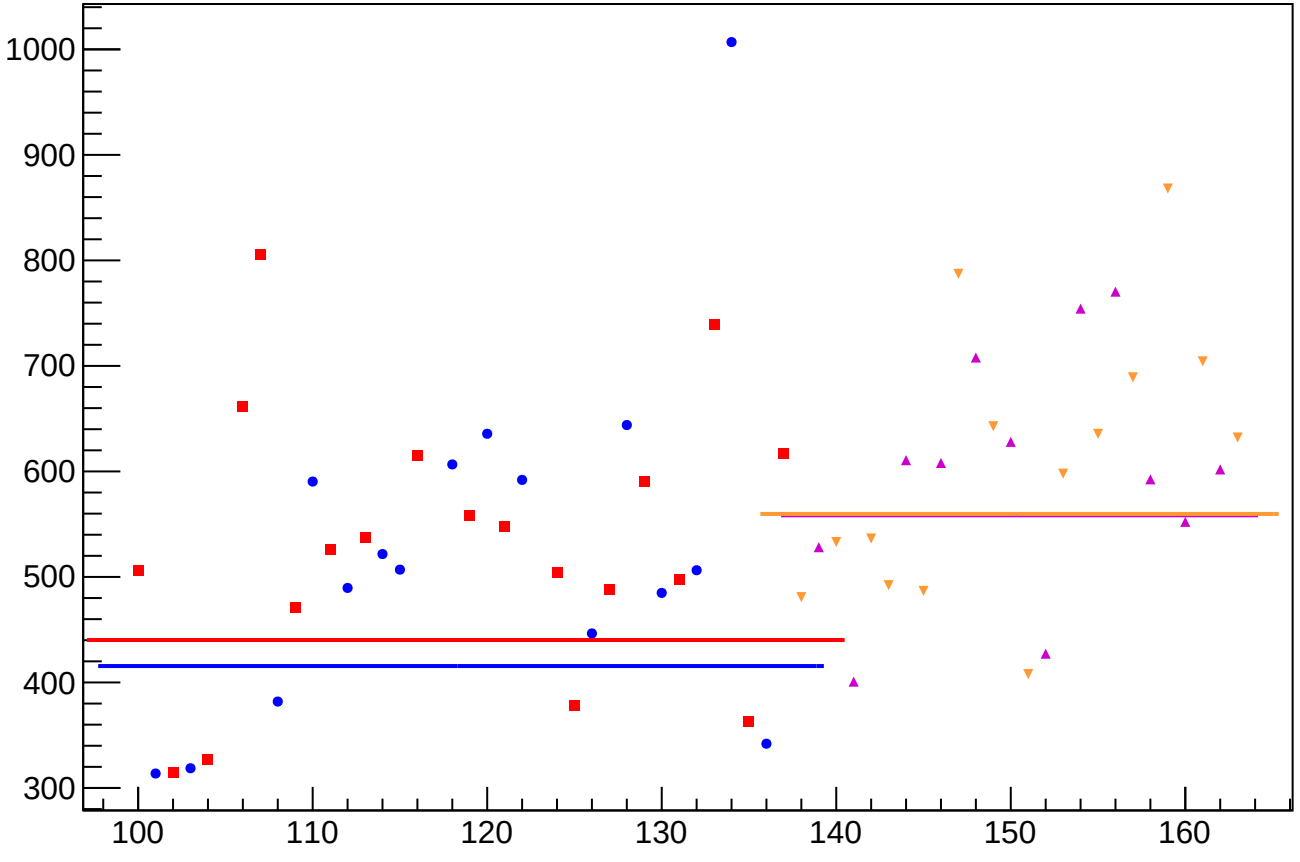
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 133326.579+/-0.126 χ^2/NDF:3034404516.9/27

Out: 132872.372+/-0.126 χ^2/NDF:2470446164.6/3

All: 133099.390+/-0.089 χ^2/NDF: 551133152

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 559.699+/-0.127 χ^2/NDF:795206.6/13

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 558.402+/-0.135 χ^2/NDF:683374.2/11

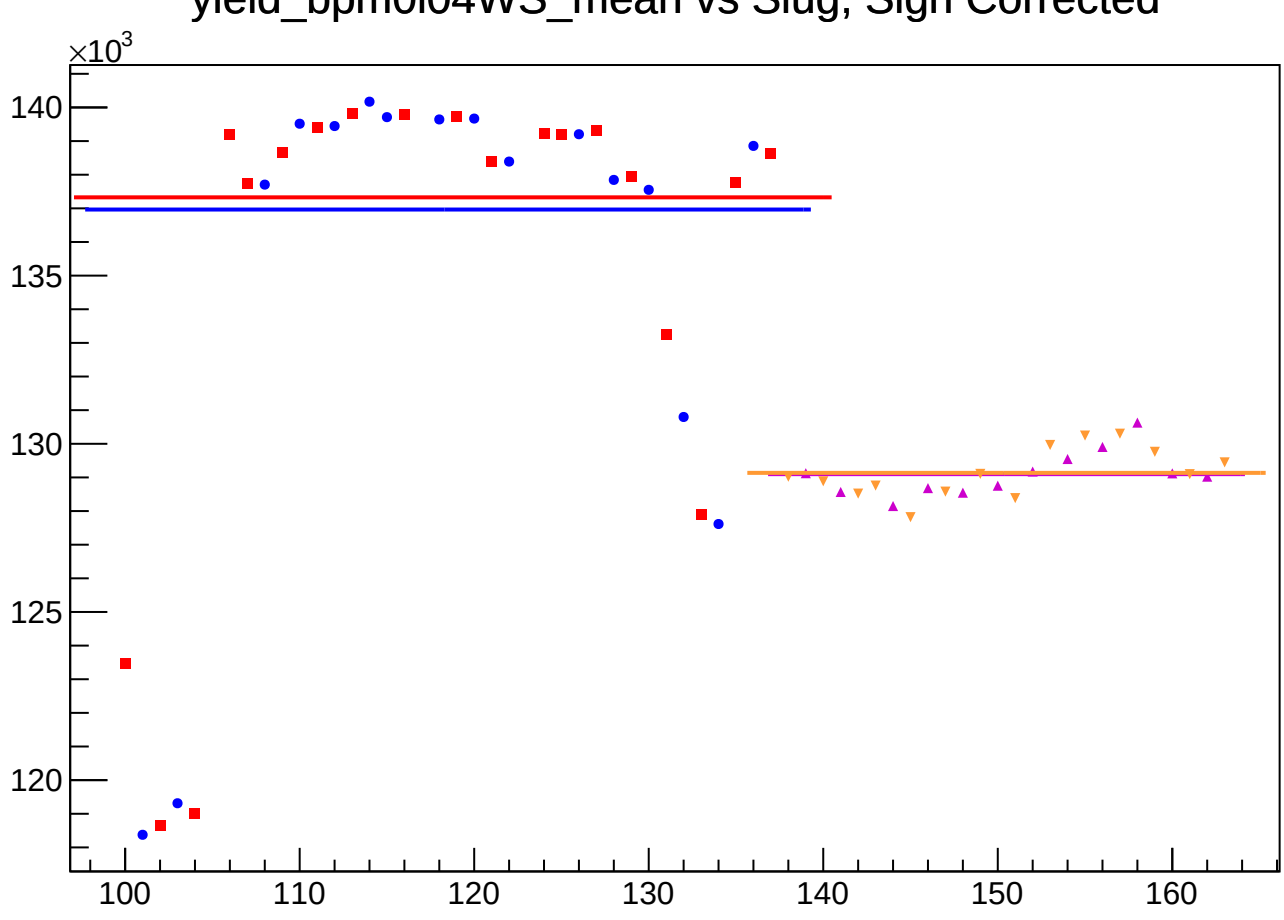
Left: 559.086+/-0.093 χ^2/NDF: 1478629.8/25

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

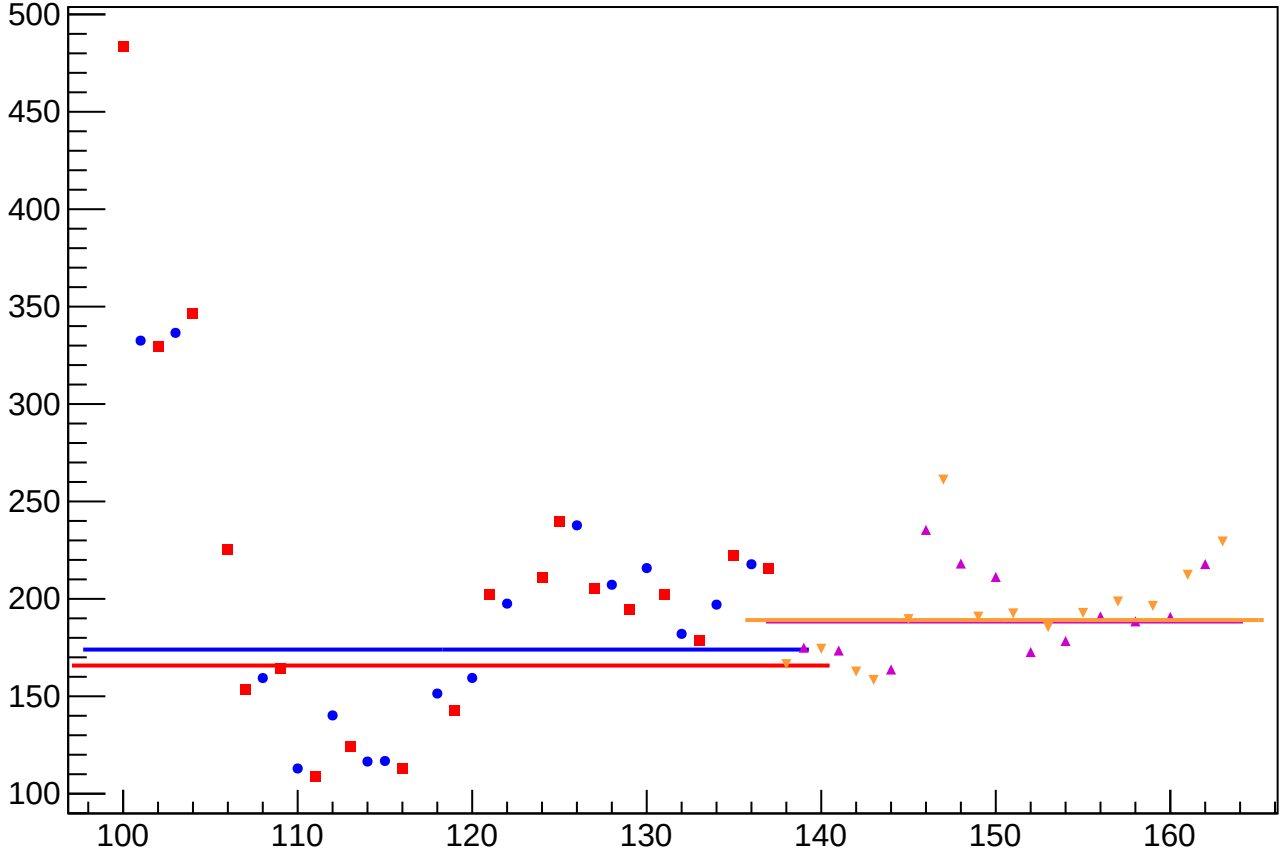
In: 478.361+/-0.089 χ^2/NDF:2346497.0/27

Out: 498.795+/-0.089 χ^2/NDF:2154457.5/32

All: 488.582+/-0.063 χ^2/NDF: 4527187.1/60


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129135.804+/-0.058 χ²/NDF:147235101.3/13
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129097.324+/-0.060 χ²/NDF:125138755.1/11
Left: 129117.187+/-0.041 χ²/NDF: 272589491.1/25
Right: 137157.181+/-0.048 χ²/NDF: 1559848727.
In: 132414.738+/-0.045 χ²/NDF:13296175121.5/2
Out: 132702.898+/-0.043 χ²/NDF:14680492855.7
All: 132565.223+/-0.031 χ²/NDF: 279978206

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 189.116+/-0.041 χ^2/NDF:324802.7/13

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 188.376+/-0.042 χ^2/NDF:232537.6/11

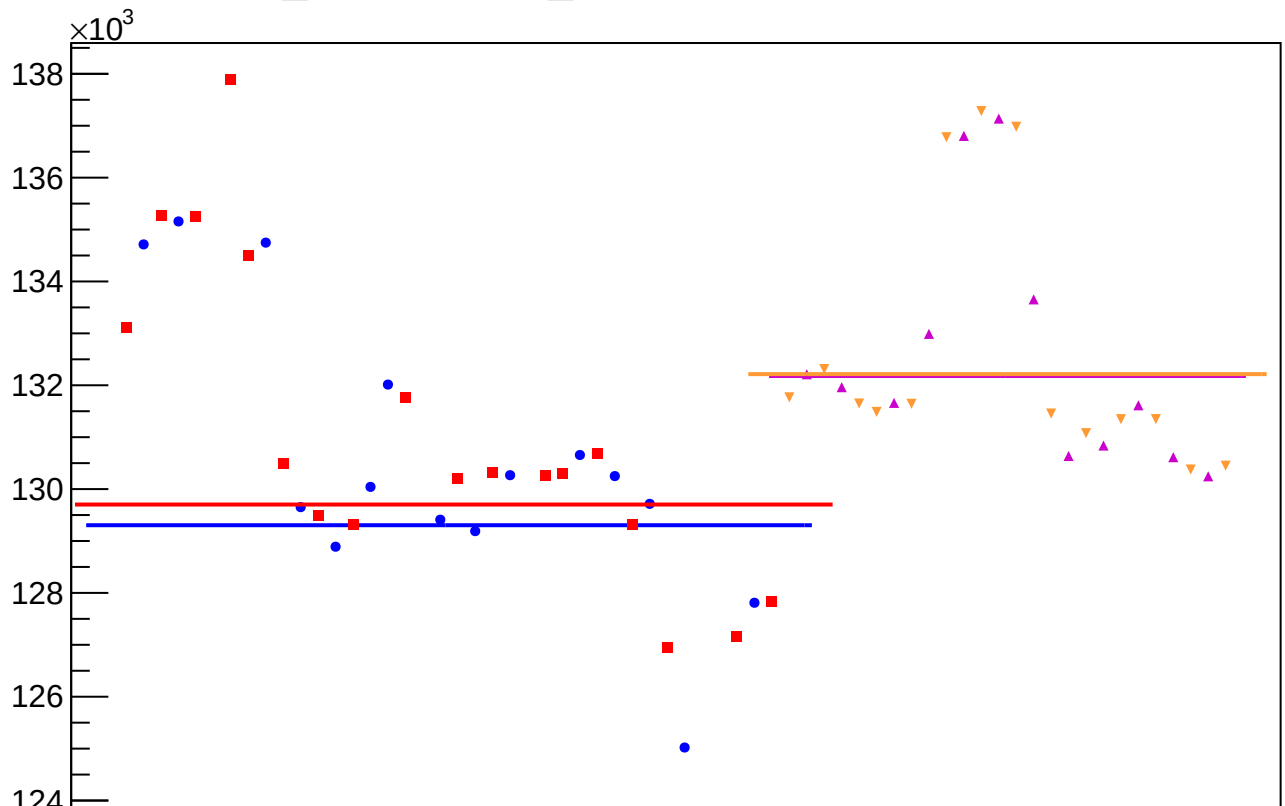
Left: 188.758+/-0.029 χ^2/NDF: 557499.7/25

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 182.306+/-0.032 χ^2/NDF:1470323.0/27

Out: 178.954+/-0.031 χ^2/NDF:1900715.1/32

All: 180.556+/-0.022 χ^2/NDF: 3376763.3/60



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132214.804+/-0.058 χ^2/NDF:1215234274.3/13

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 132179.125+/-0.060 χ^2/NDF:943114292.9/11

Left: 132197.514+/-0.042 χ^2/NDF: 2158530570.9/2

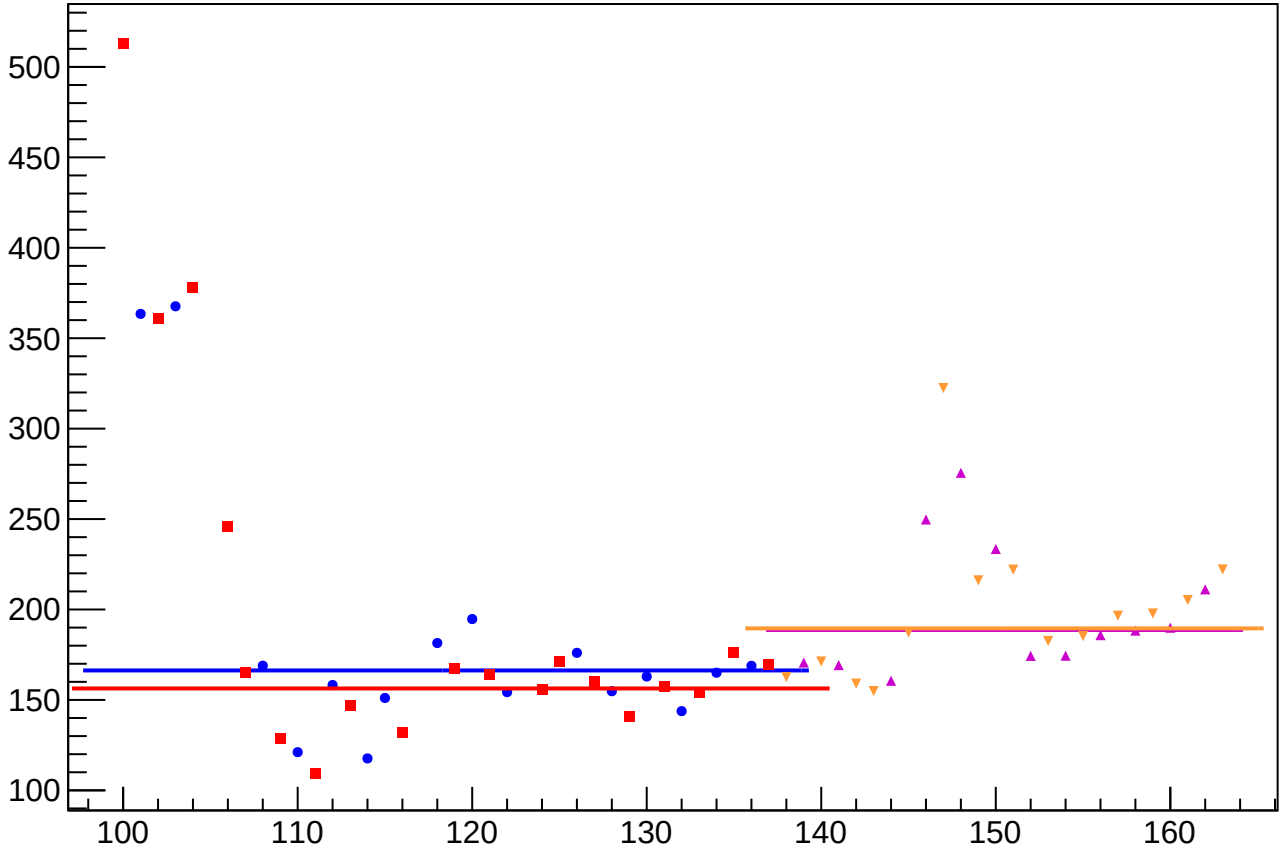
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130881.494+/-0.044 χ^2/NDF:3628349791.4/27

Out: 131028.360+/-0.042 χ^2/NDF:3872352919.2/3

All: 130958.615+/-0.031 χ^2/NDF: 750642923

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 189.555+/-0.041 χ^2/NDF:559866.4/13

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 188.689+/-0.042 χ^2/NDF:466577.7/11

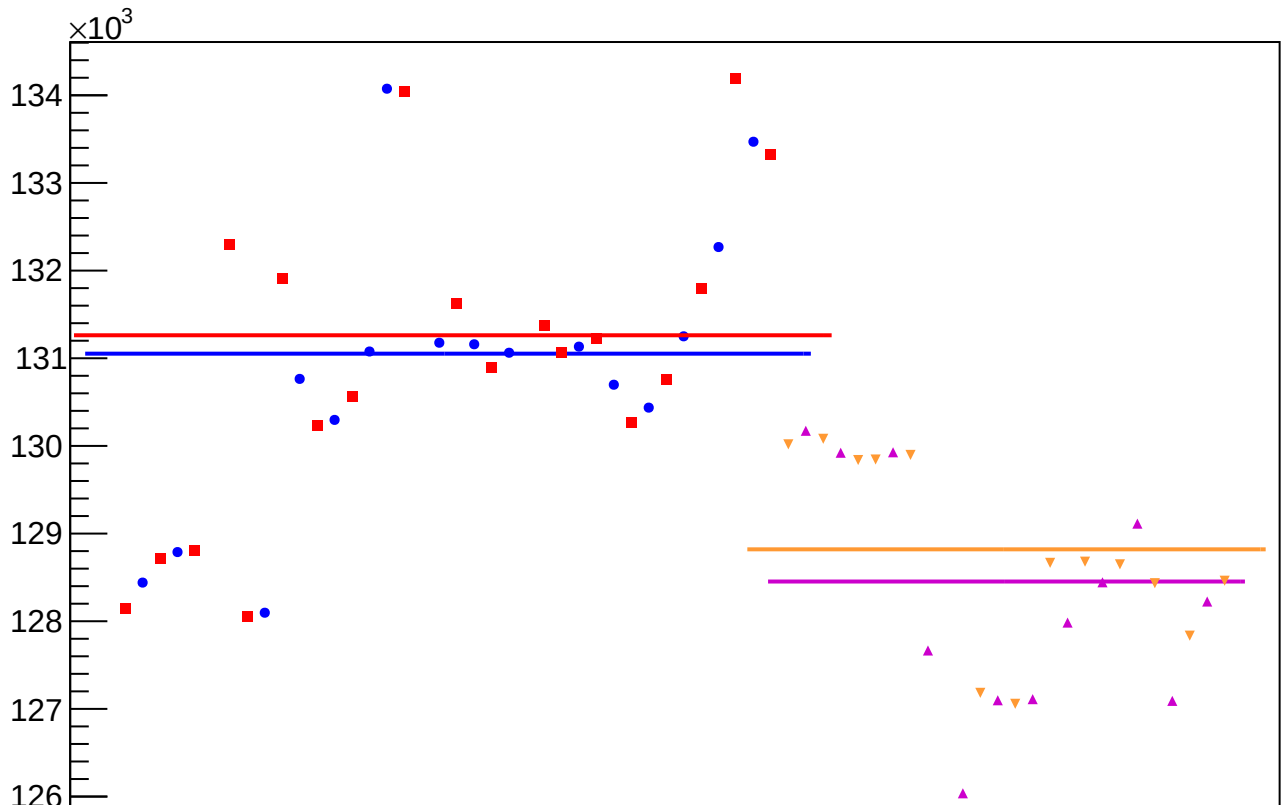
Left: 189.136+/-0.030 χ^2/NDF: 1026658.6/25

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 178.586+/-0.031 χ^2/NDF:1530014.8/27

Out: 173.866+/-0.030 χ^2/NDF:2040257.4/32

All: 176.107+/-0.022 χ^2/NDF: 3582099.8/60



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128820.243+/-0.056 χ^2/NDF:434549852.7/13

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128453.048+/-0.058 χ^2/NDF:501423316.5/11

Left: 128642.983+/-0.040 χ^2/NDF: 957058041.5/25

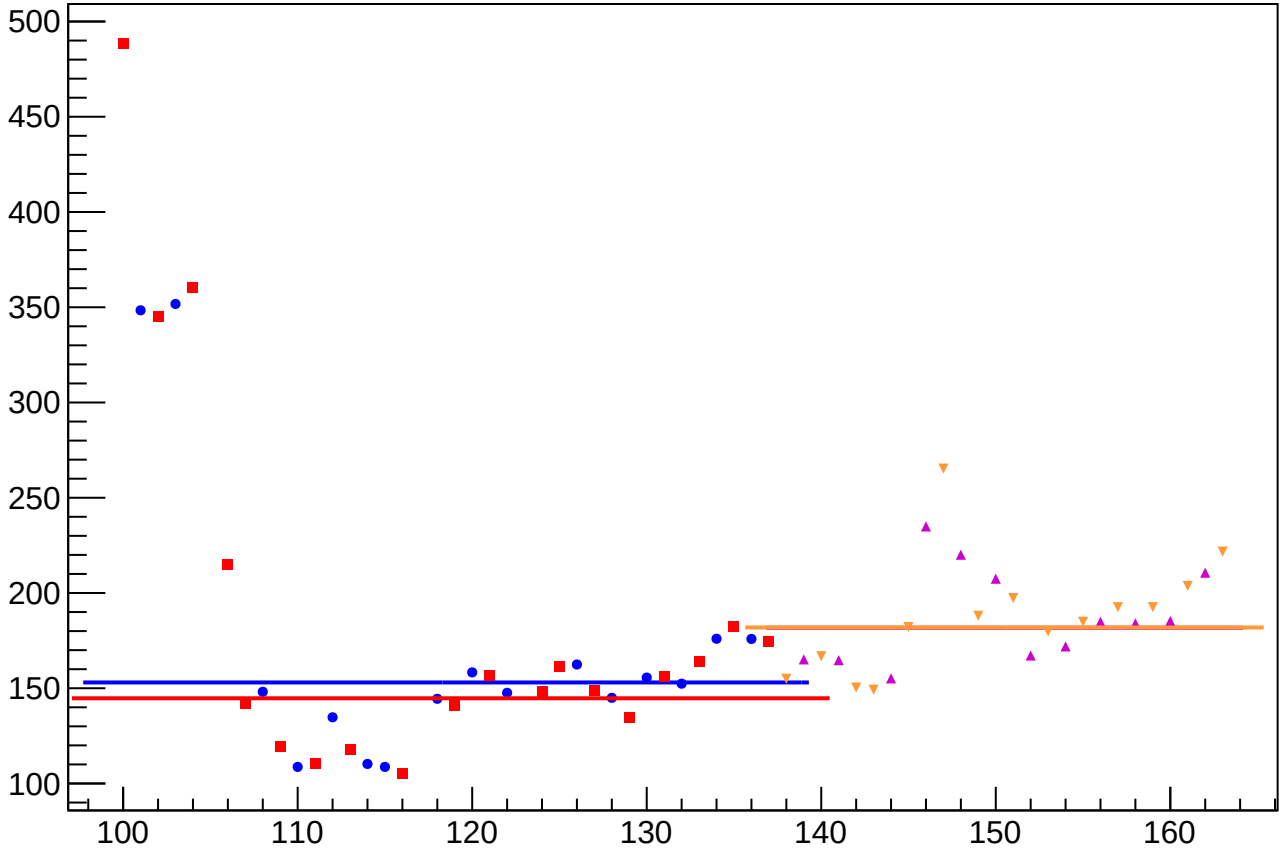
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129683.979+/-0.042 χ^2/NDF:1992459980.7/27

Out: 130017.229+/-0.040 χ^2/NDF:1985713239.6/3

All: 129859.023+/-0.029 χ^2/NDF: 401167212

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 181.902+/-0.039 χ^2/NDF:429548.0/13

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 181.736+/-0.041 χ^2/NDF:303142.3/11

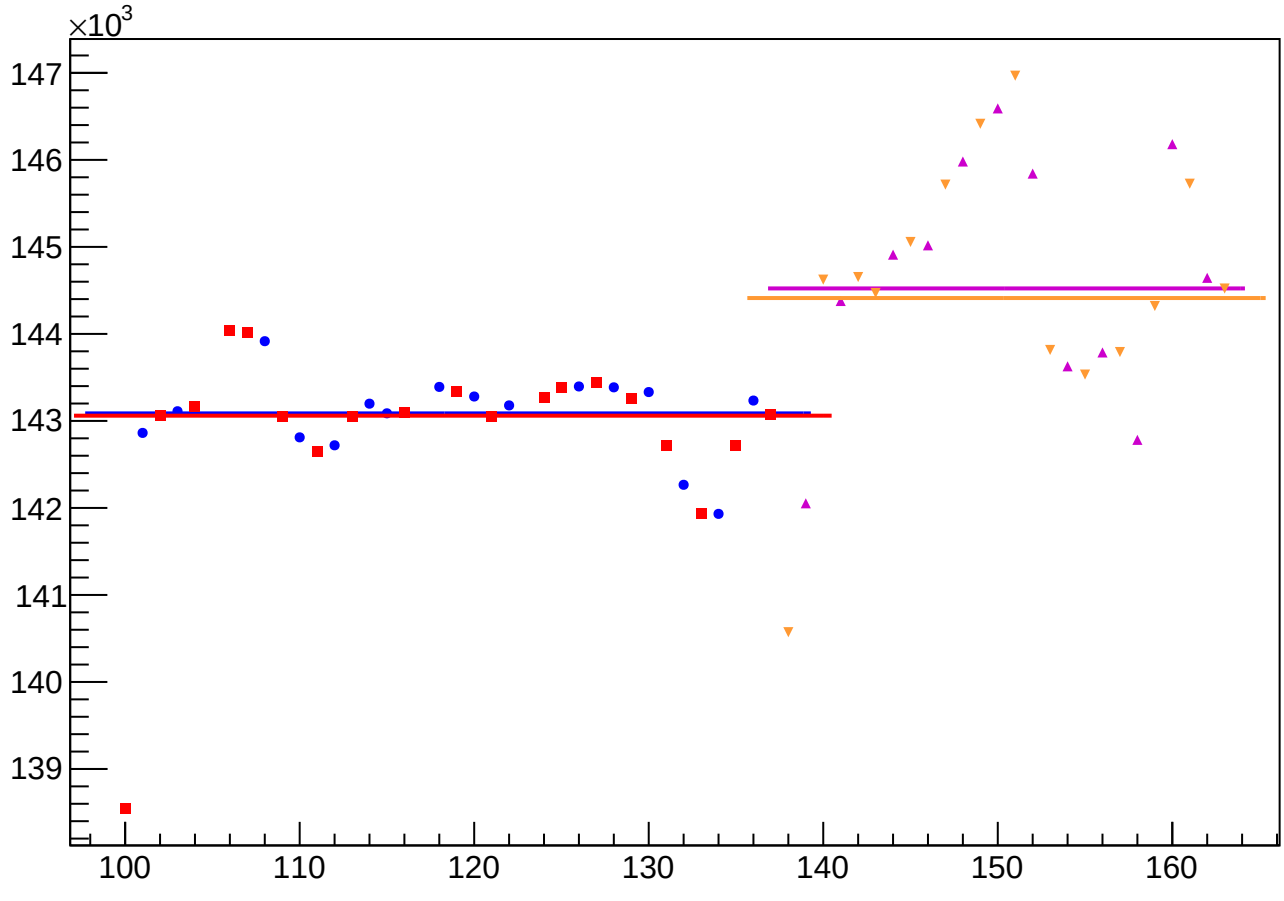
Left: 181.822+/-0.028 χ^2/NDF: 732698.9/25

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 168.148+/-0.030 χ^2/NDF:1598348.3/27

Out: 163.682+/-0.028 χ^2/NDF:2131766.5/32

All: 165.802+/-0.020 χ^2/NDF: 3742149.2/60



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144412.241+/-0.064 χ^2/NDF:594899225.9/13

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144522.712+/-0.066 χ^2/NDF:427630973.5/11

Left: 144466.089+/-0.046 χ^2/NDF: 1023966056.0/2

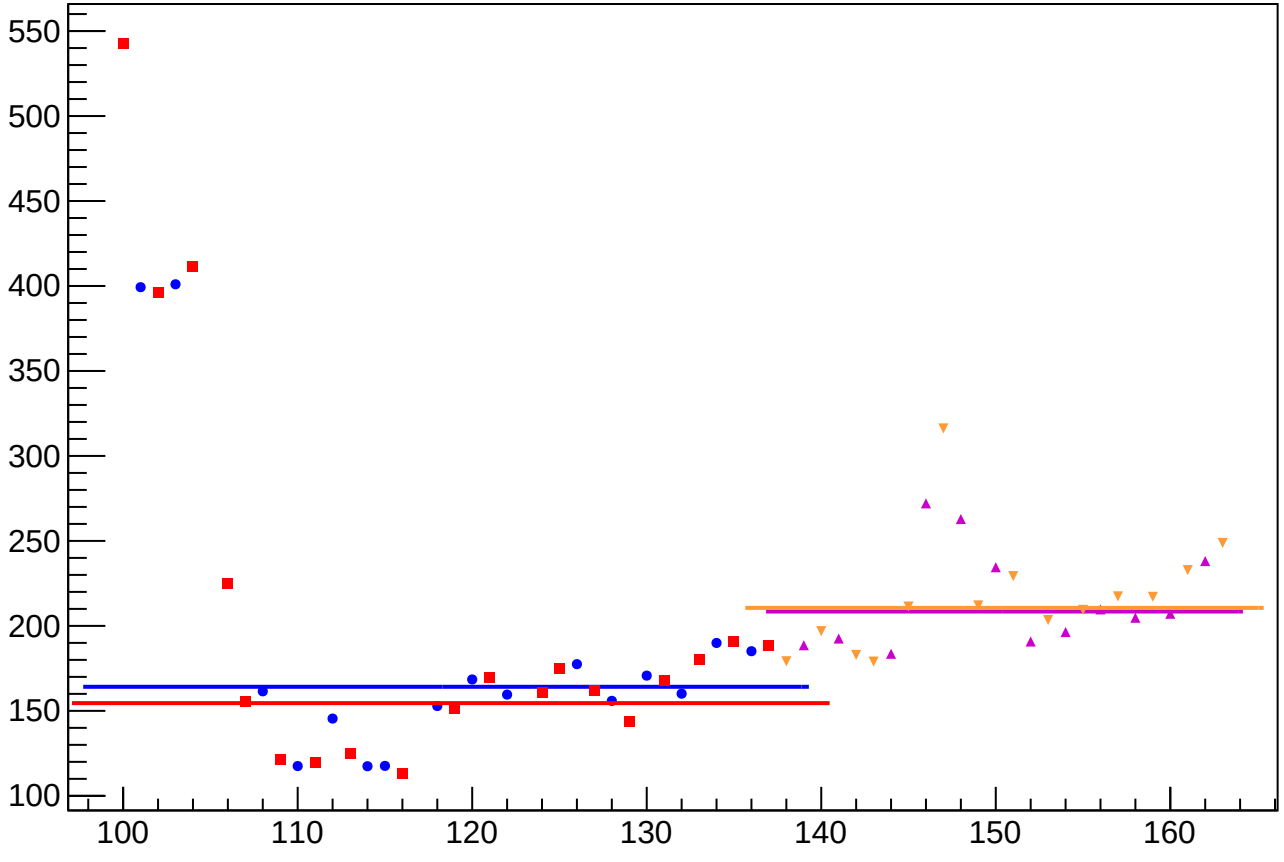
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143794.523+/-0.046 χ^2/NDF:714432465.2/27

Out: 143696.173+/-0.044 χ^2/NDF:880294904.1/32

All: 143742.959+/-0.032 χ^2/NDF: 15970887

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 210.595+/-0.046 χ^2/NDF:375038.2/13

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 208.444+/-0.047 χ^2/NDF:295488.5/11

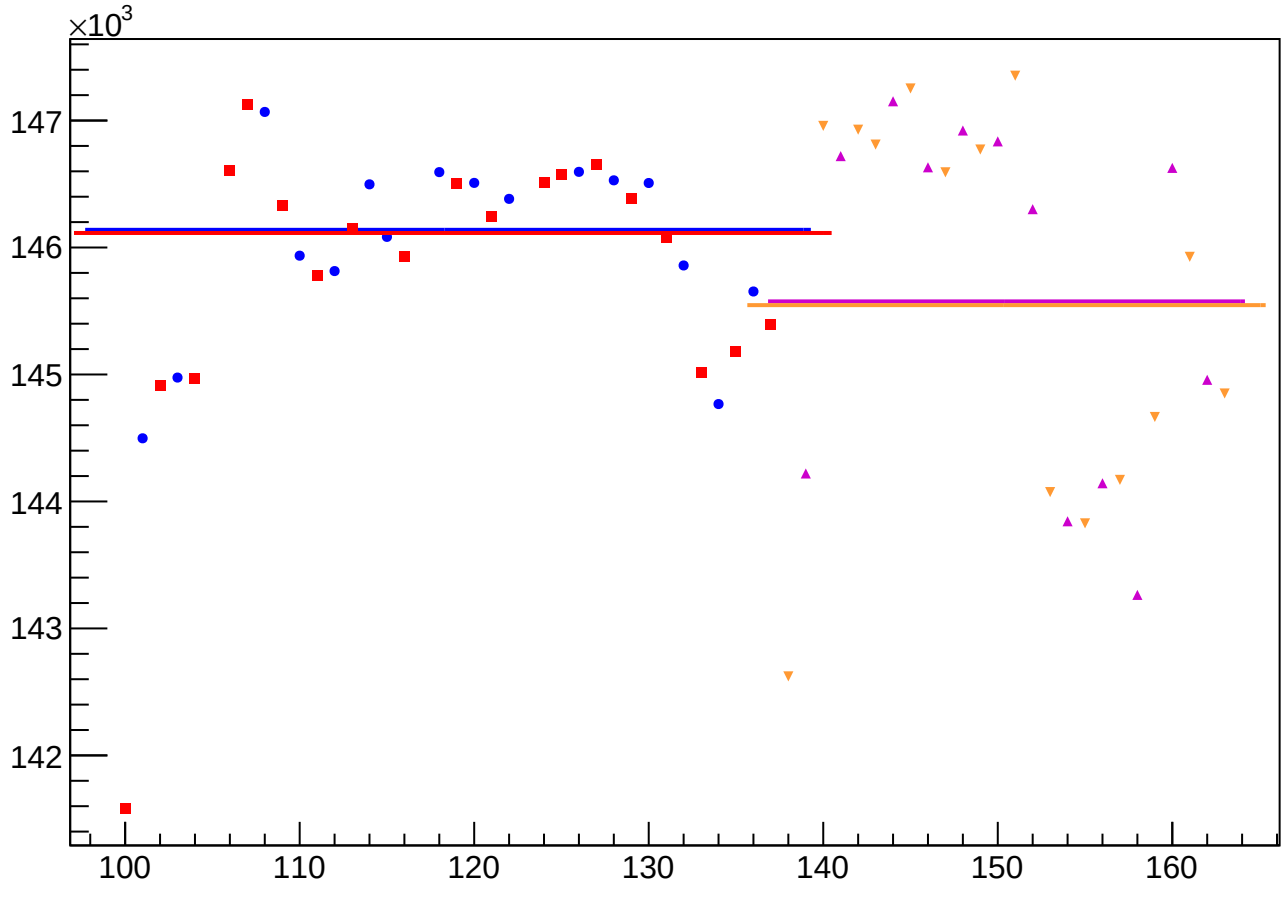
Left: 209.547+/-0.033 χ^2/NDF: 671616.0/25

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 185.995+/-0.033 χ^2/NDF:1881591.9/27

Out: 180.915+/-0.031 χ^2/NDF:2544788.4/32

All: 183.332+/-0.023 χ^2/NDF: 4438977.6/60



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145546.149+/-0.064 χ^2/NDF:601784017.6/13

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145575.537+/-0.066 χ^2/NDF:457528435.6/11

Left: 145560.370+/-0.046 χ^2/NDF: 1059415610.1/2

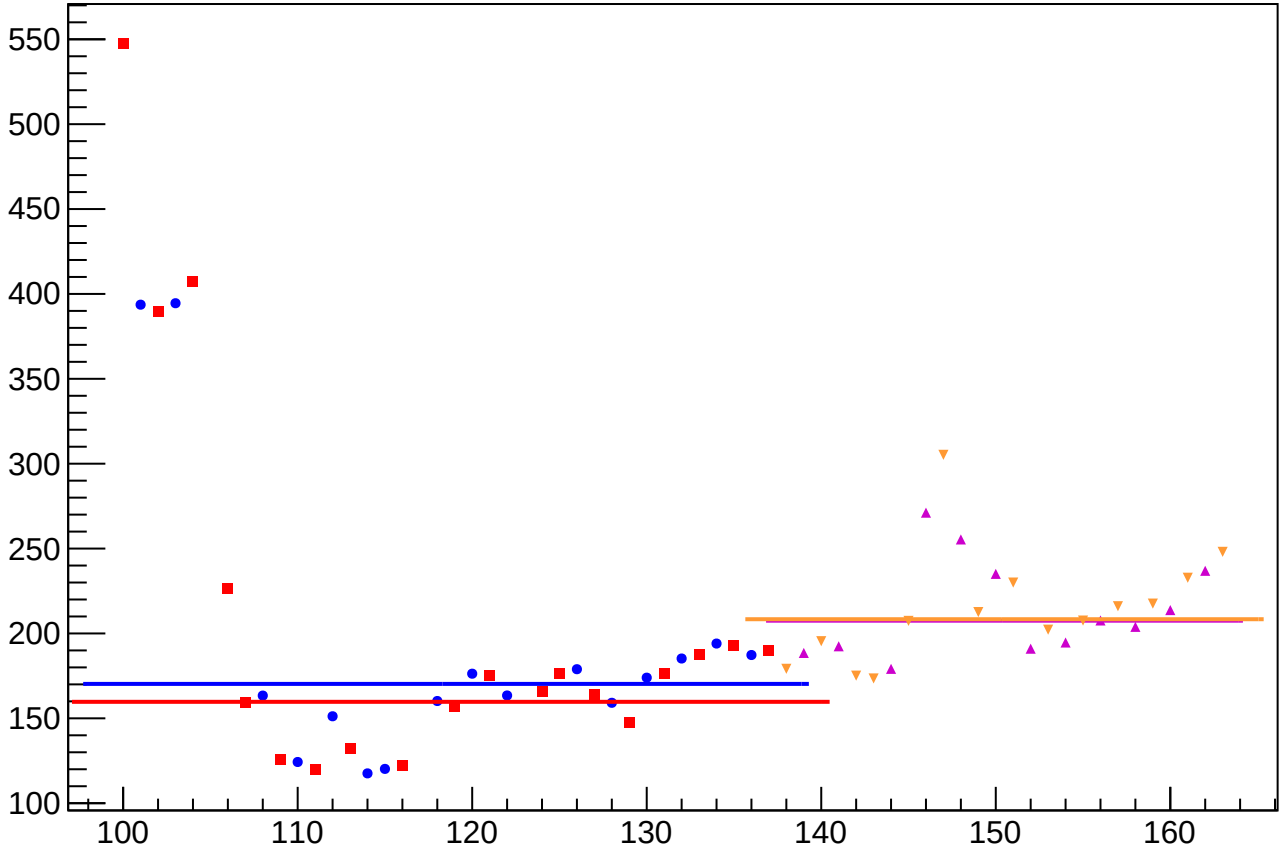
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 145850.373+/-0.047 χ^2/NDF:565103544.6/27

Out: 145835.577+/-0.045 χ^2/NDF:715486024.2/32

All: 145842.577+/-0.032 χ^2/NDF: 12806416

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 208.381+/-0.045 χ^2/NDF:388486.5/13

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 207.525+/-0.046 χ^2/NDF:294964.9/11

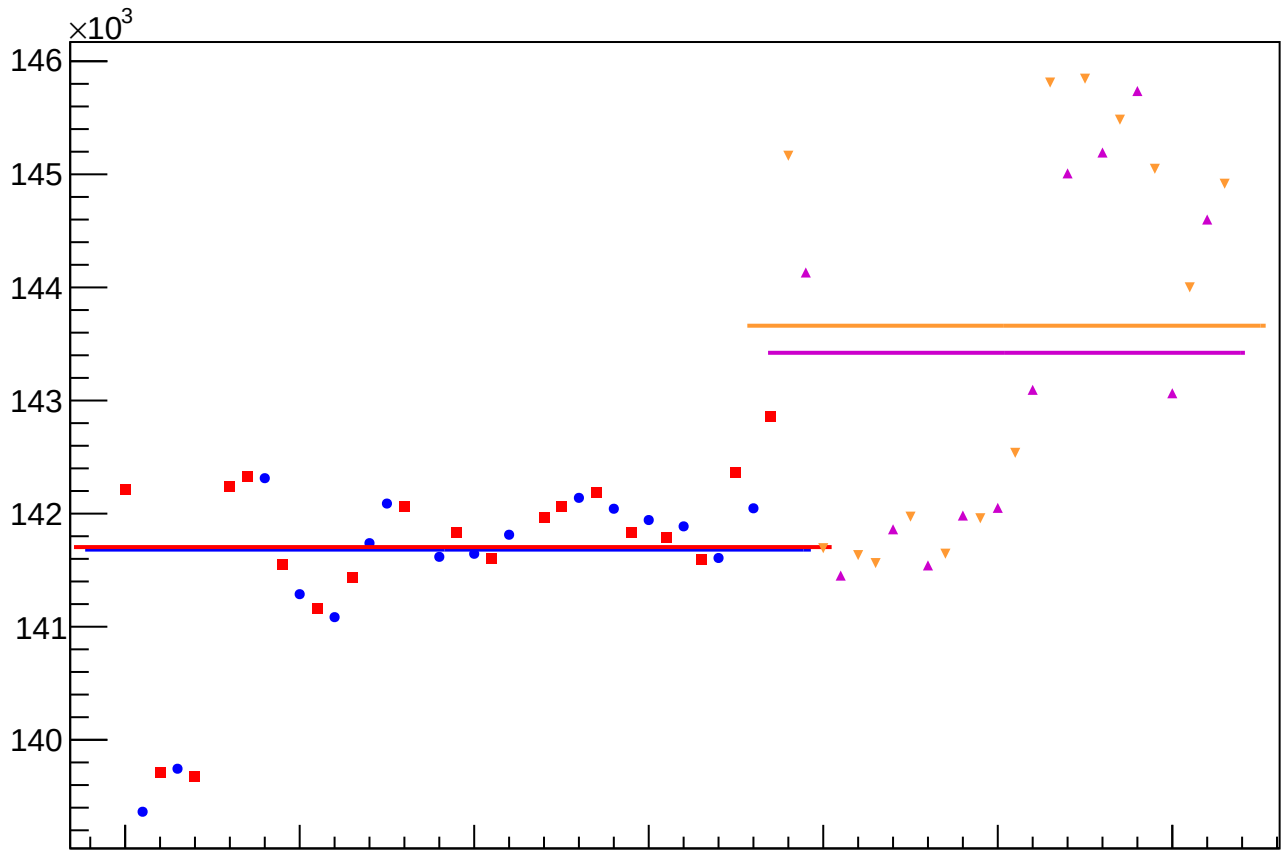
Left: 207.967+/-0.032 χ^2/NDF: 683626.8/25

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 189.365+/-0.033 χ^2/NDF:1665648.8/27

Out: 183.601+/-0.032 χ^2/NDF:2275007.9/32

All: 186.328+/-0.023 χ^2/NDF: 3956467.7/60



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143661.500+/-0.067 χ^2/NDF:658354022.9/13

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143422.016+/-0.069 χ^2/NDF:469029509.5/11

Left: 143544.228+/-0.048 χ^2/NDF: 1133576973.4/2

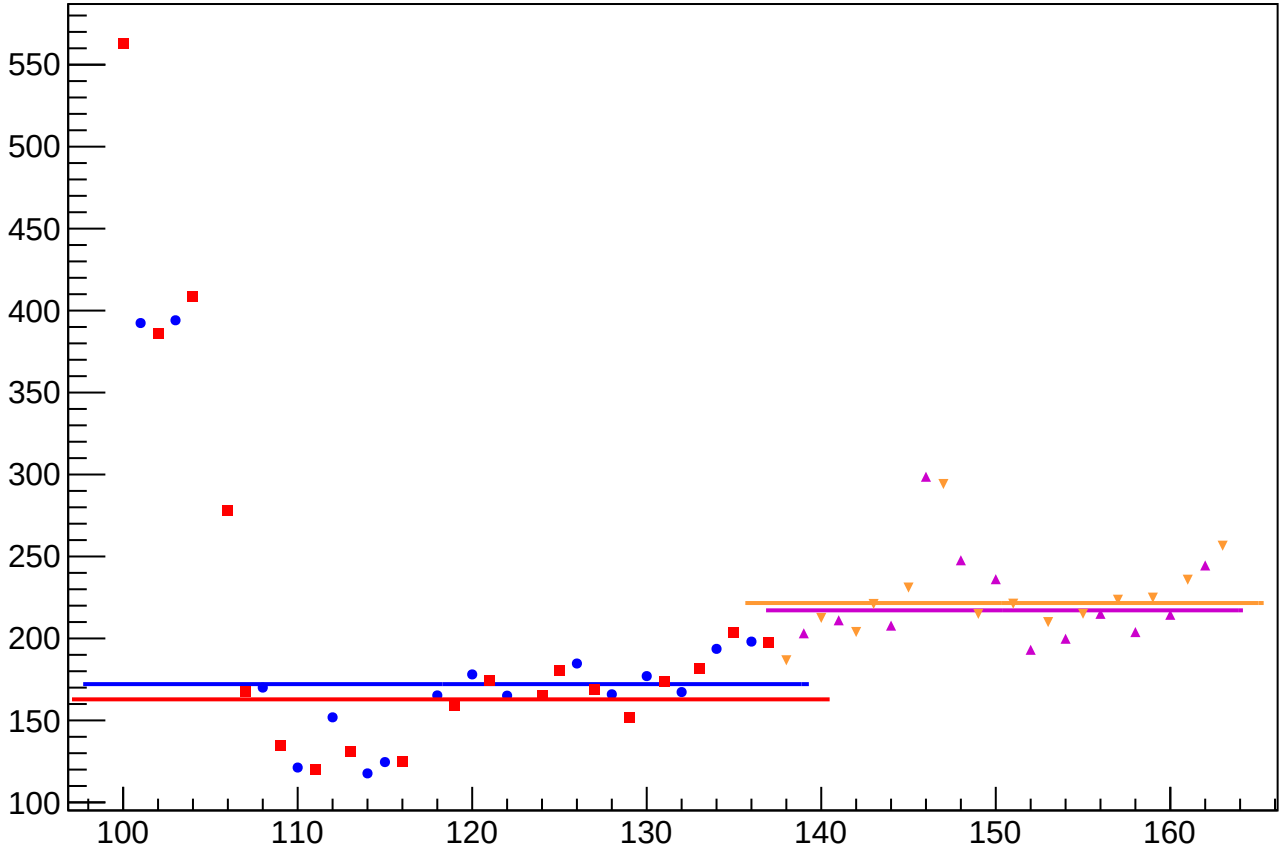
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142545.921+/-0.048 χ^2/NDF:855938208.0/27

Out: 142629.955+/-0.046 χ^2/NDF:1169136608.0/3

All: 142589.825+/-0.033 χ^2/NDF: 202664712

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 221.608+/-0.048 χ^2/NDF:210700.2/13

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 217.144+/-0.049 χ^2/NDF:244766.9/11

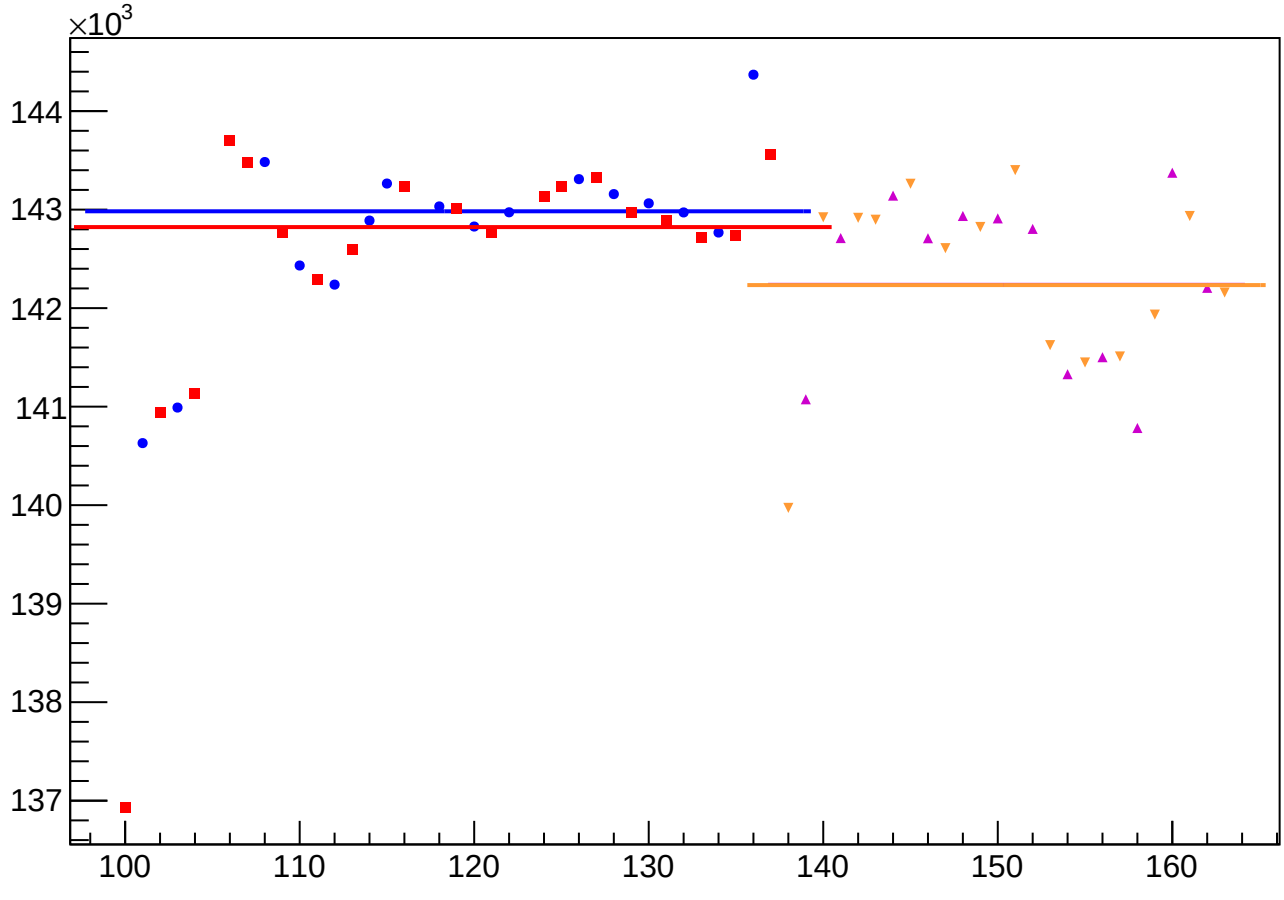
Left: 219.422+/-0.034 χ^2/NDF: 459770.4/25

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 194.486+/-0.034 χ^2/NDF:1744935.6/27

Out: 190.639+/-0.033 χ^2/NDF:2319216.3/32

All: 192.476+/-0.024 χ^2/NDF: 4070744.4/60



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142233.970+/-0.062 χ^2/NDF:247221986.8/13

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142236.480+/-0.064 χ^2/NDF:188329307.2/11

Left: 142235.186+/-0.045 χ^2/NDF: 435552080.5/25

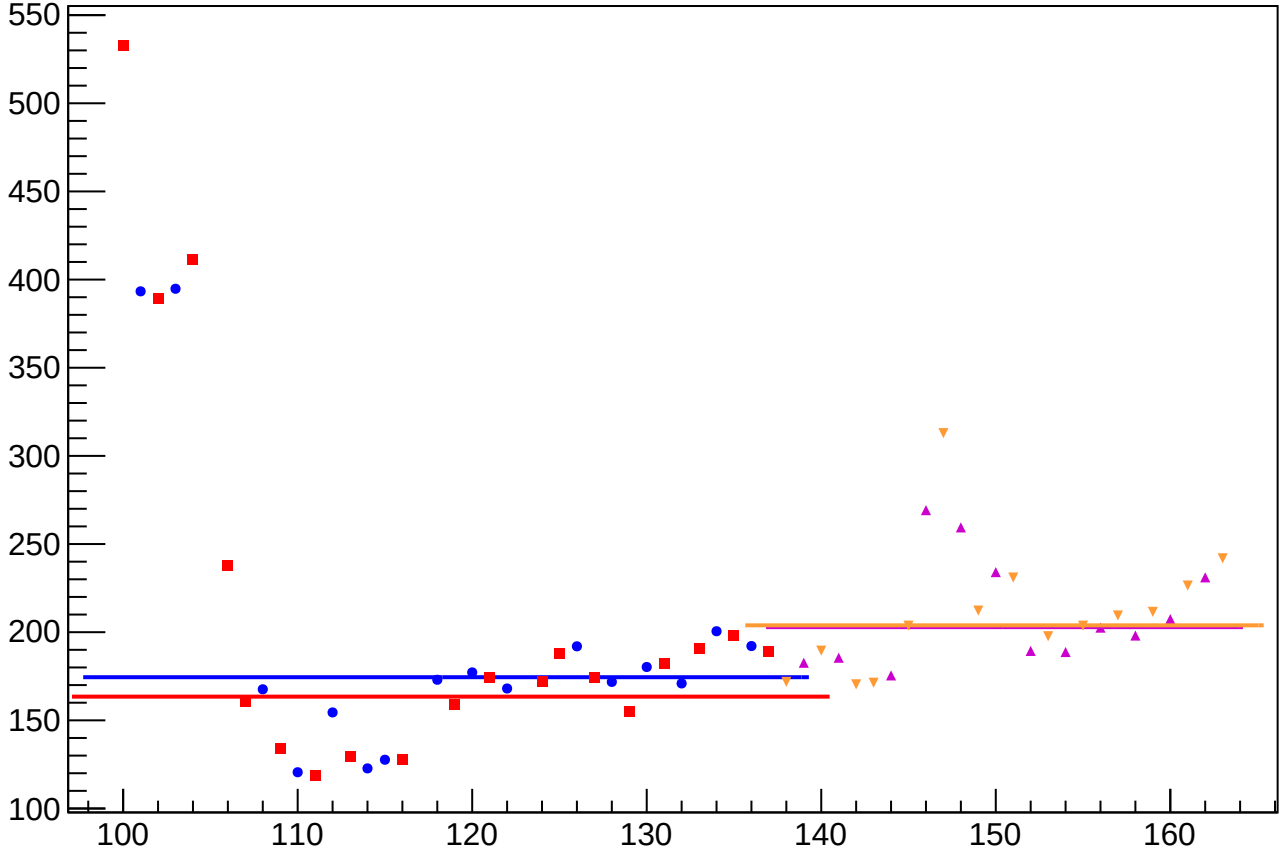
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142582.622+/-0.047 χ^2/NDF:358605230.2/27

Out: 142520.202+/-0.045 χ^2/NDF:354244282.7/32

All: 142549.771+/-0.032 χ^2/NDF: 71377544

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 203.892+/-0.044 χ^2/NDF:438056.9/13

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 202.863+/-0.045 χ^2/NDF:336468.1/11

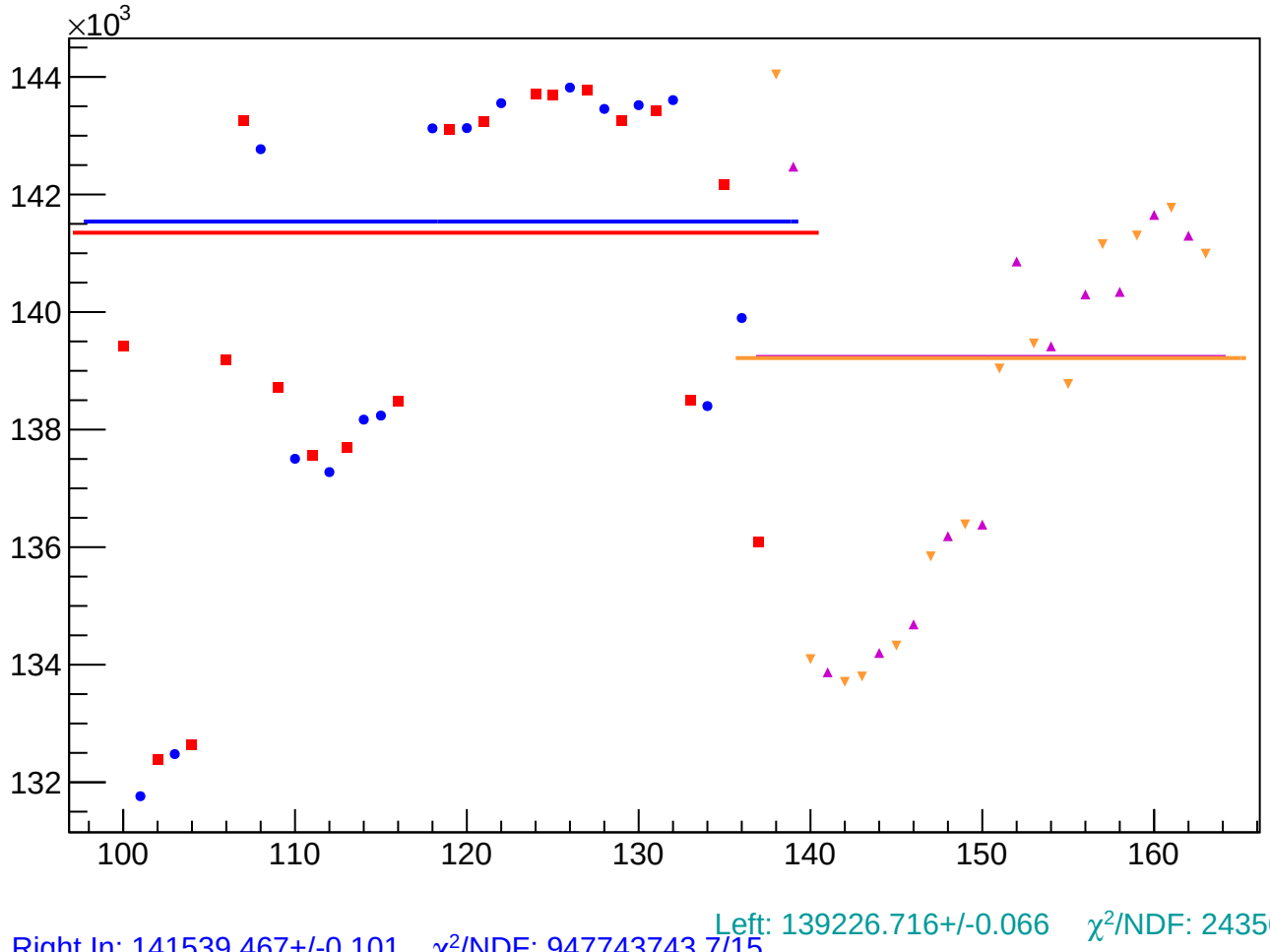
Left: 203.393+/-0.032 χ^2/NDF: 774789.0/25

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 189.697+/-0.033 χ^2/NDF:1566685.1/27

Out: 184.230+/-0.032 χ^2/NDF:2130521.7/32

All: 186.819+/-0.023 χ^2/NDF: 3711413.4/60



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 139217.169+/-0.092 χ^2/NDF:1407424456.5/13

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 139236.801+/-0.095 χ^2/NDF:1028177222.9/11

Left: 139226.716+/-0.066 χ^2/NDF: 2435623801.6/2

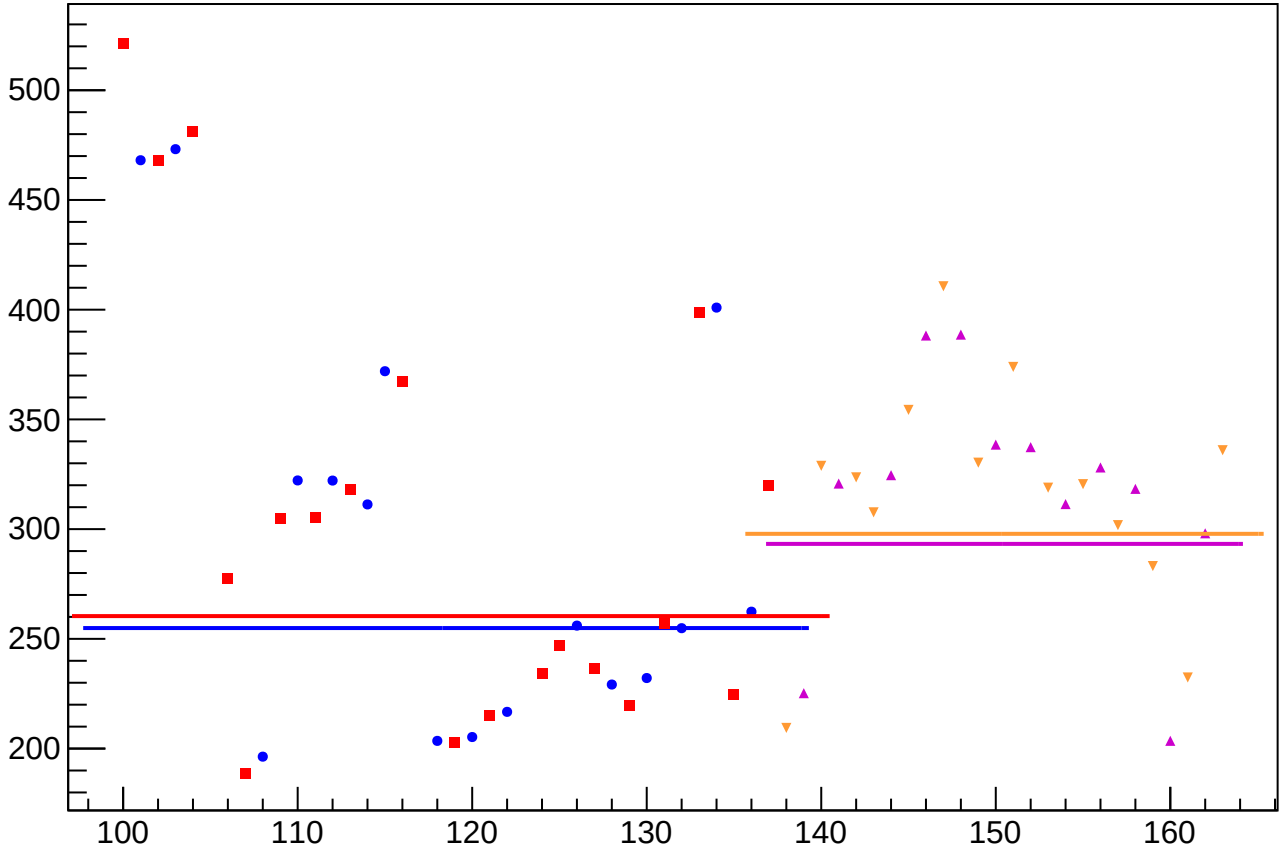
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140315.052+/-0.069 χ^2/NDF:2253347034.8/27

Out: 140184.103+/-0.068 χ^2/NDF:2577426624.0/3

All: 140248.684+/-0.048 χ^2/NDF: 48325998

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 297.859+/-0.065 χ^2/NDF:705287.8/13

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 293.272+/-0.067 χ^2/NDF:786183.7/11

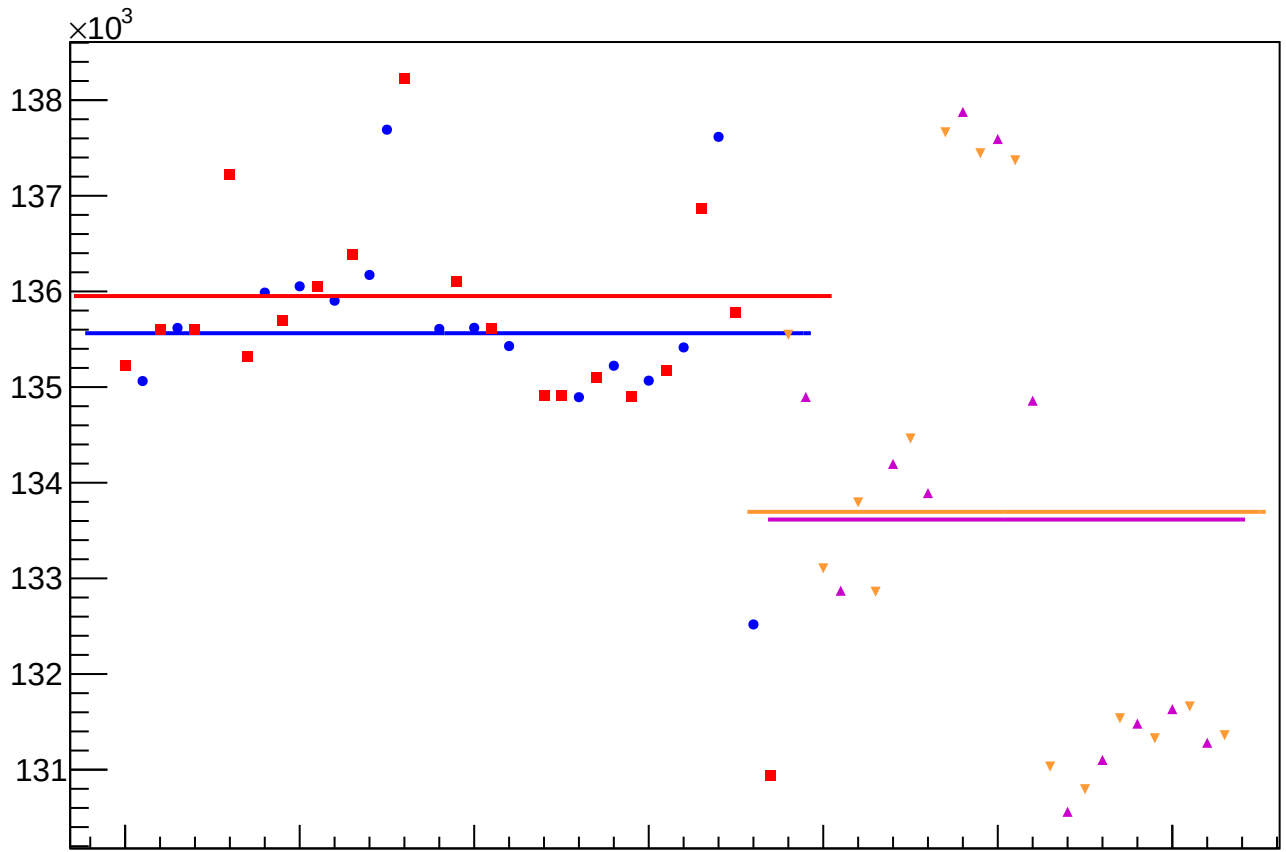
Left: 295.628+/-0.047 χ^2/NDF: 1493886.5/25

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 275.313+/-0.049 χ^2/NDF:1890063.1/27

Out: 280.858+/-0.048 χ^2/NDF:1849031.4/32

All: 278.123+/-0.034 χ^2/NDF: 3745644.6/60



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 133695.455+/-0.080 χ^2/NDF:644700397.4/13

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 133615.032+/-0.086 χ^2/NDF:499551686.1/11

Left: 133657.964+/-0.058 χ^2/NDF: 1144723622.2/2

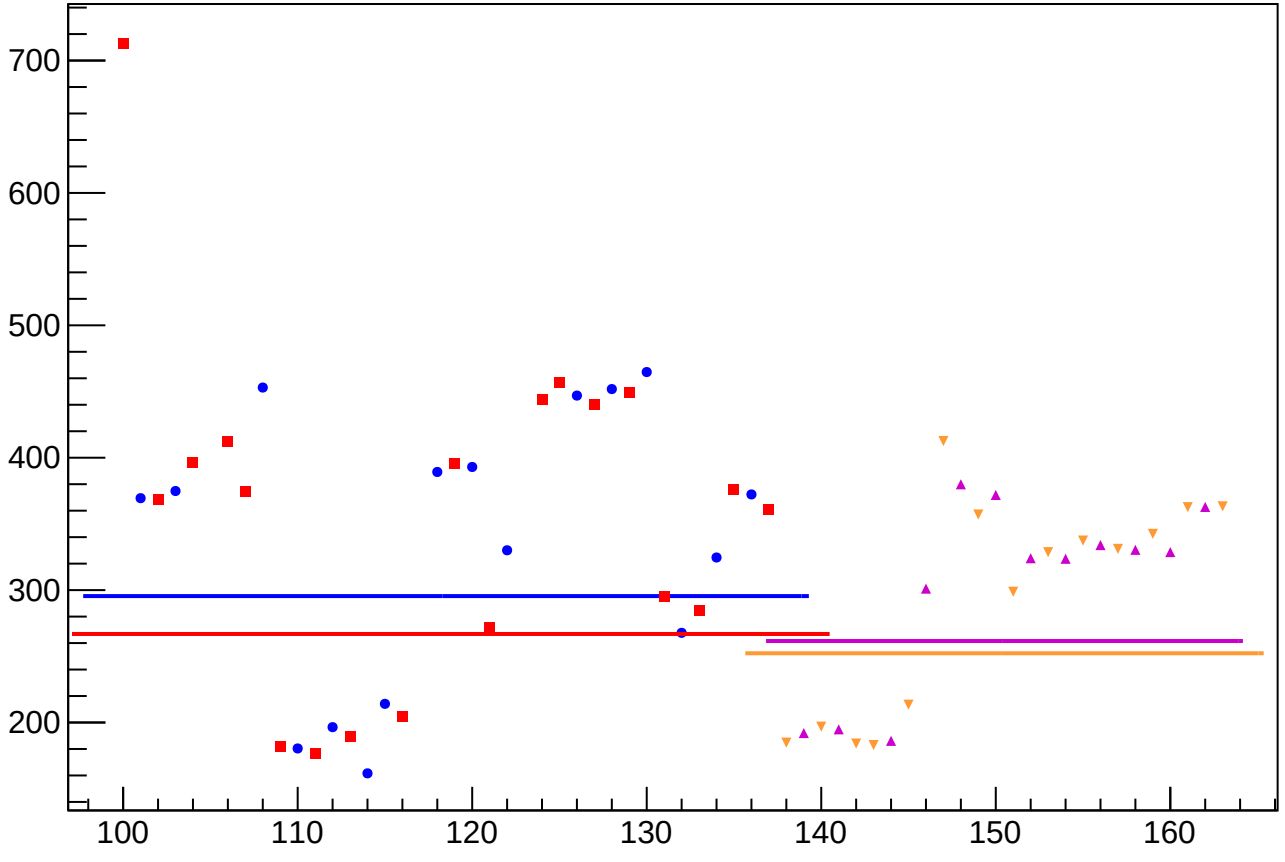
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134283.757+/-0.069 χ^2/NDF:771632715.6/27

Out: 134510.214+/-0.064 χ^2/NDF:1023742511.4/3

All: 134406.198+/-0.047 χ^2/NDF: 18011414

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 252.299+/-0.057 χ^2/NDF:1850192.4/13

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 261.551+/-0.061 χ^2/NDF:1521958.4/11

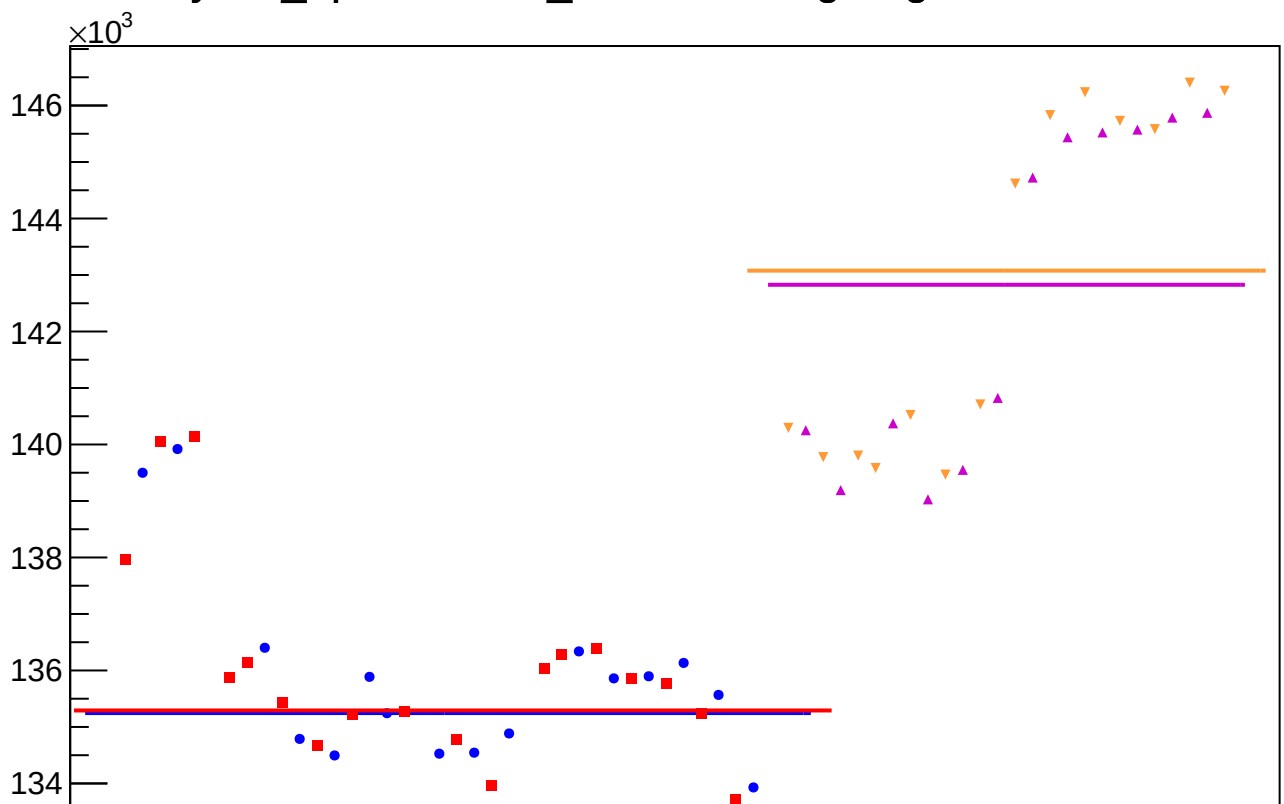
Left: 256.612+/-0.041 χ^2/NDF: 3384630.9/25

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 273.199+/-0.049 χ^2/NDF:3072440.3/27

Out: 257.559+/-0.045 χ^2/NDF:3552227.7/32

All: 264.743+/-0.033 χ^2/NDF: 6679671.6/60



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143077.417+/-0.058 χ^2/NDF:2492449161.0/13

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 142826.914+/-0.062 χ^2/NDF:2057864435.3/11

Left: 142960.218+/-0.043 χ^2/NDF: 4558961004.4/2

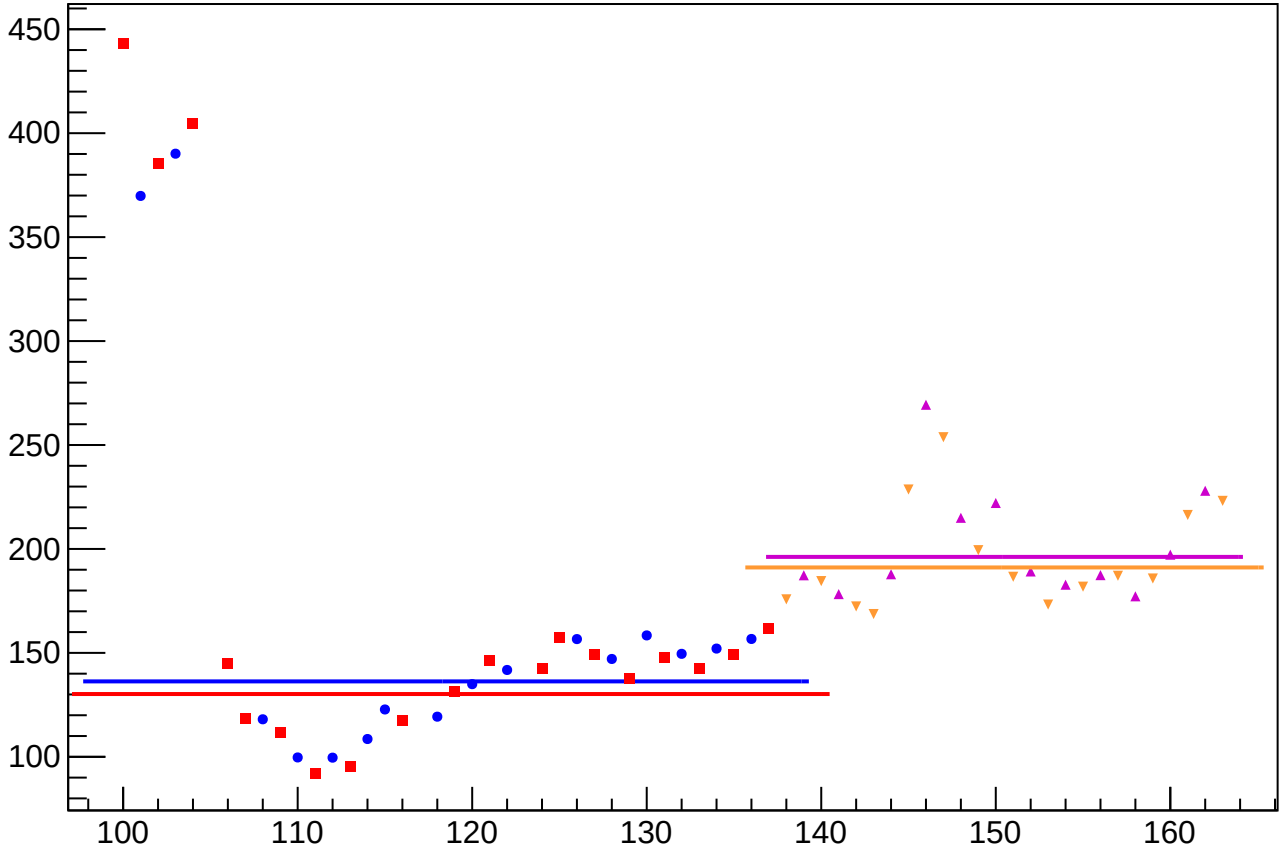
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 138557.191+/-0.041 χ^2/NDF:10827991826.2/2

Out: 138725.028+/-0.039 χ^2/NDF:12855068656.6

All: 138646.104+/-0.028 χ^2/NDF: 23691083

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 191.098+/-0.041 χ^2/NDF:272763.6/13

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 196.177+/-0.044 χ^2/NDF:250832.7/11

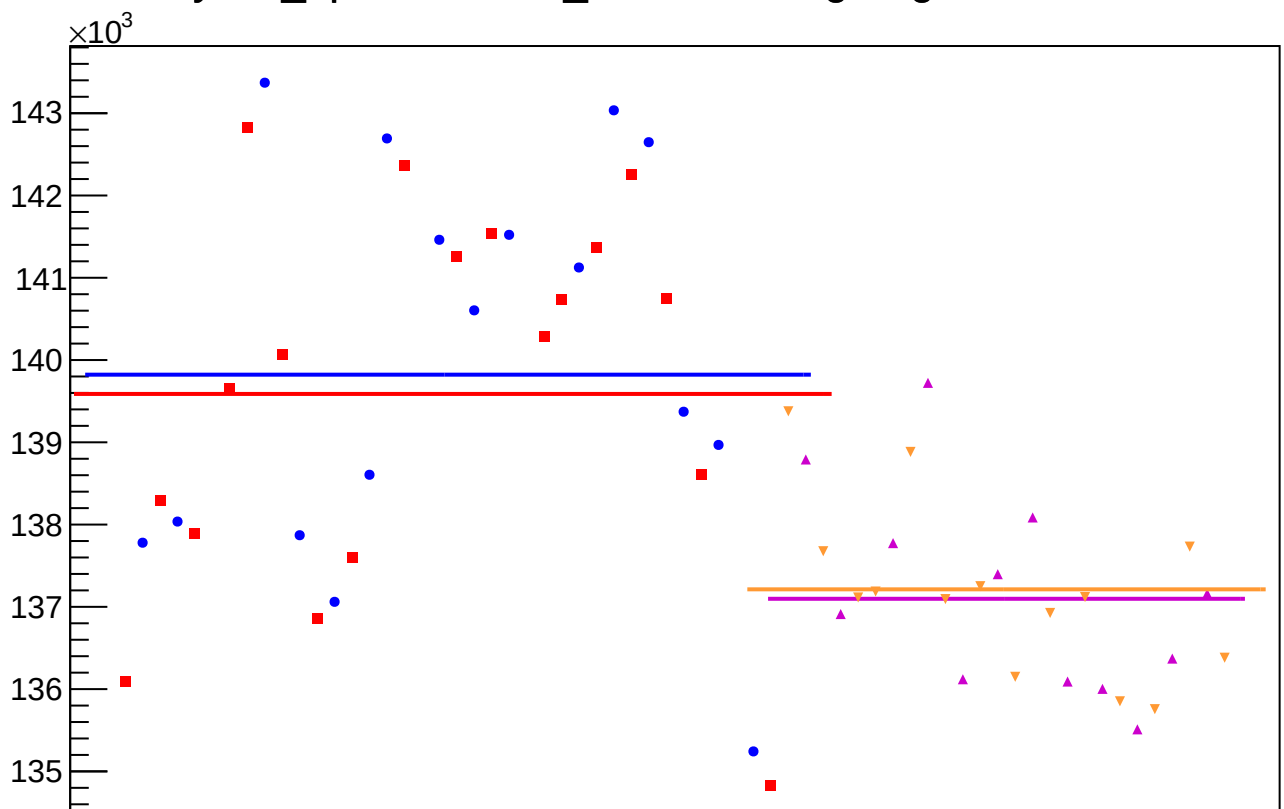
Left: 193.474+/-0.030 χ^2/NDF: 530706.2/25

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 162.444+/-0.029 χ^2/NDF:2681279.4/27

Out: 157.057+/-0.027 χ^2/NDF:3014675.6/32

All: 159.590+/-0.020 χ^2/NDF: 5714179.8/60



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137212.825+/-0.060 χ^2/NDF:294228515.4/13

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137097.911+/-0.063 χ^2/NDF:326994571.6/11

Left: 137158.082+/-0.044 χ^2/NDF: 622951627.6/25

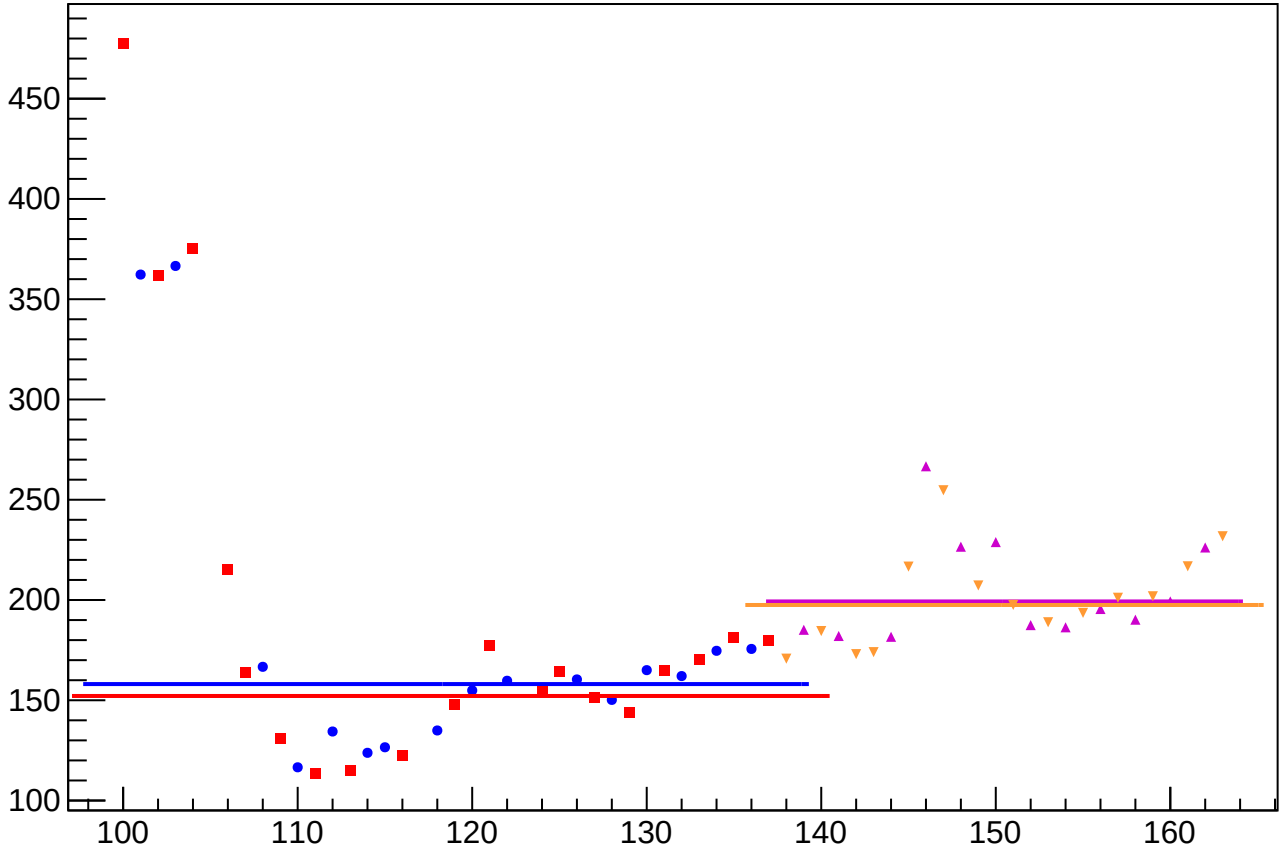
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138474.194+/-0.044 χ^2/NDF:2927664368.1/27

Out: 138412.228+/-0.042 χ^2/NDF:2559904201.5/3

All: 138441.754+/-0.031 χ^2/NDF: 54885842

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 197.519+/-0.043 χ^2/NDF:242054.2/13

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 199.288+/-0.045 χ^2/NDF:246220.8/11

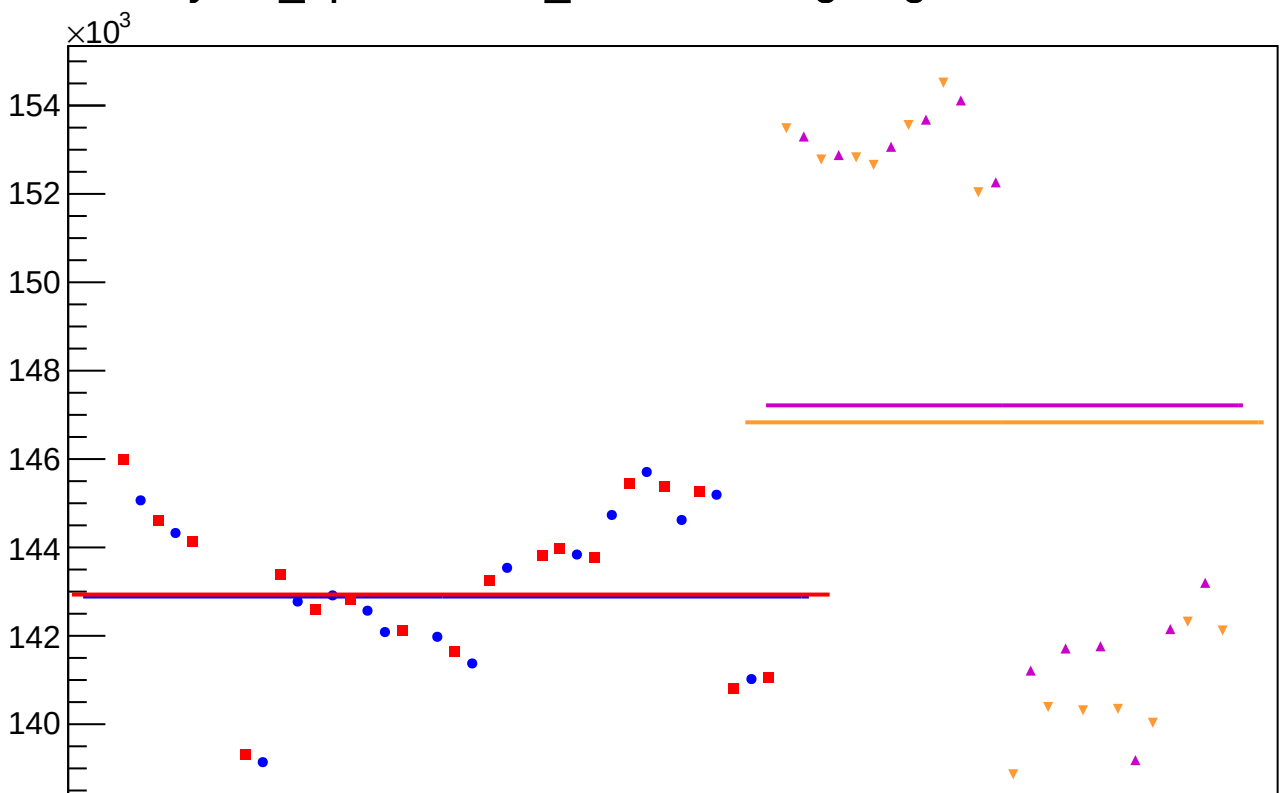
Left: 198.362+/-0.031 χ^2/NDF: 489094.4/25

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 178.469+/-0.031 χ^2/NDF:1693091.8/27

Out: 174.602+/-0.030 χ^2/NDF:2042627.0/32

All: 176.445+/-0.022 χ^2/NDF: 3743630.1/60



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 146830.852+/-0.061 χ^2/NDF:10690551276.5/13

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 147214.850+/-0.064 χ^2/NDF:8625744622.1/11

Left: 147014.203+/-0.044 χ^2/NDF: 19335063594.8

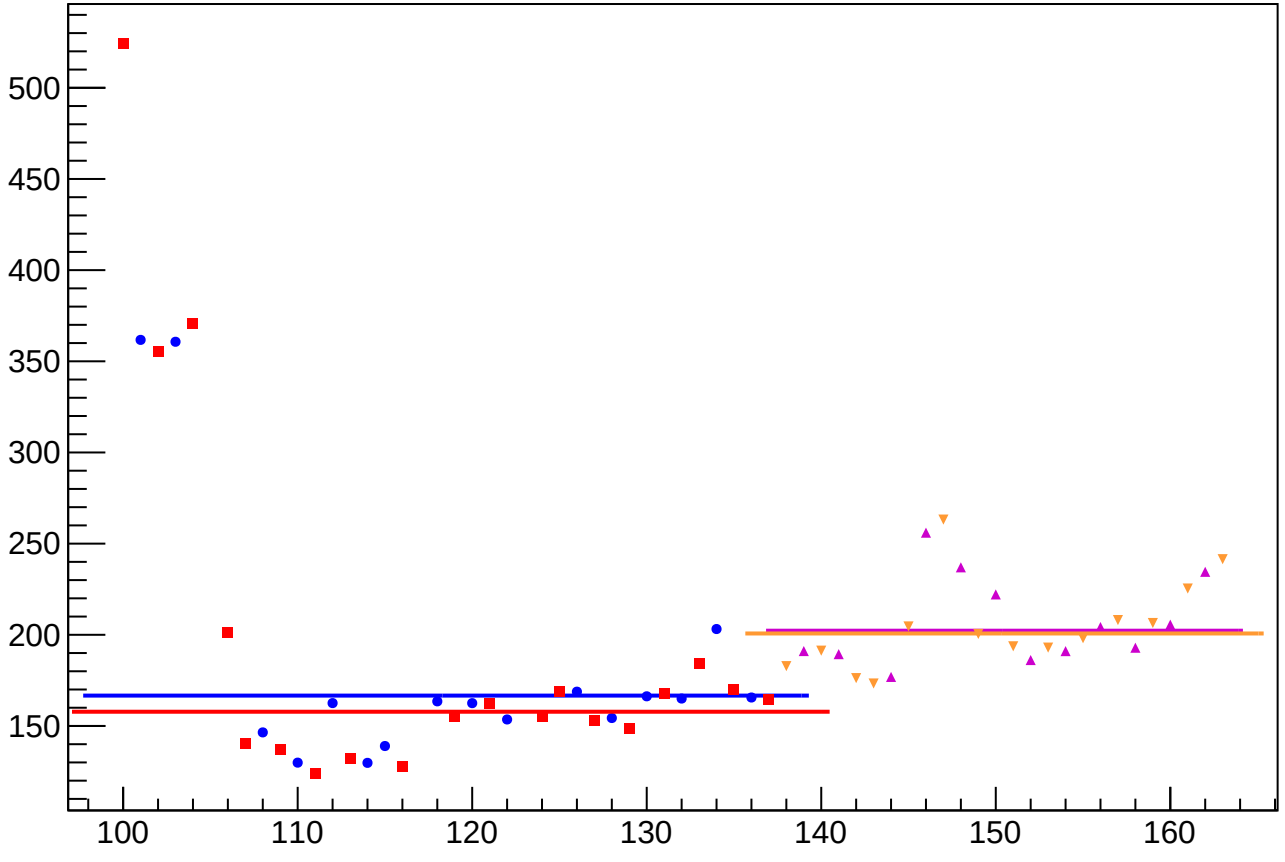
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 145105.839+/-0.046 χ^2/NDF:11611139842.8/2

Out: 144891.500+/-0.043 χ^2/NDF:13492511881.1

All: 144992.781+/-0.032 χ^2/NDF: 25115171

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 200.726+/-0.043 χ^2/NDF:241039.1/13

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 202.246+/-0.045 χ^2/NDF:228528.7/11

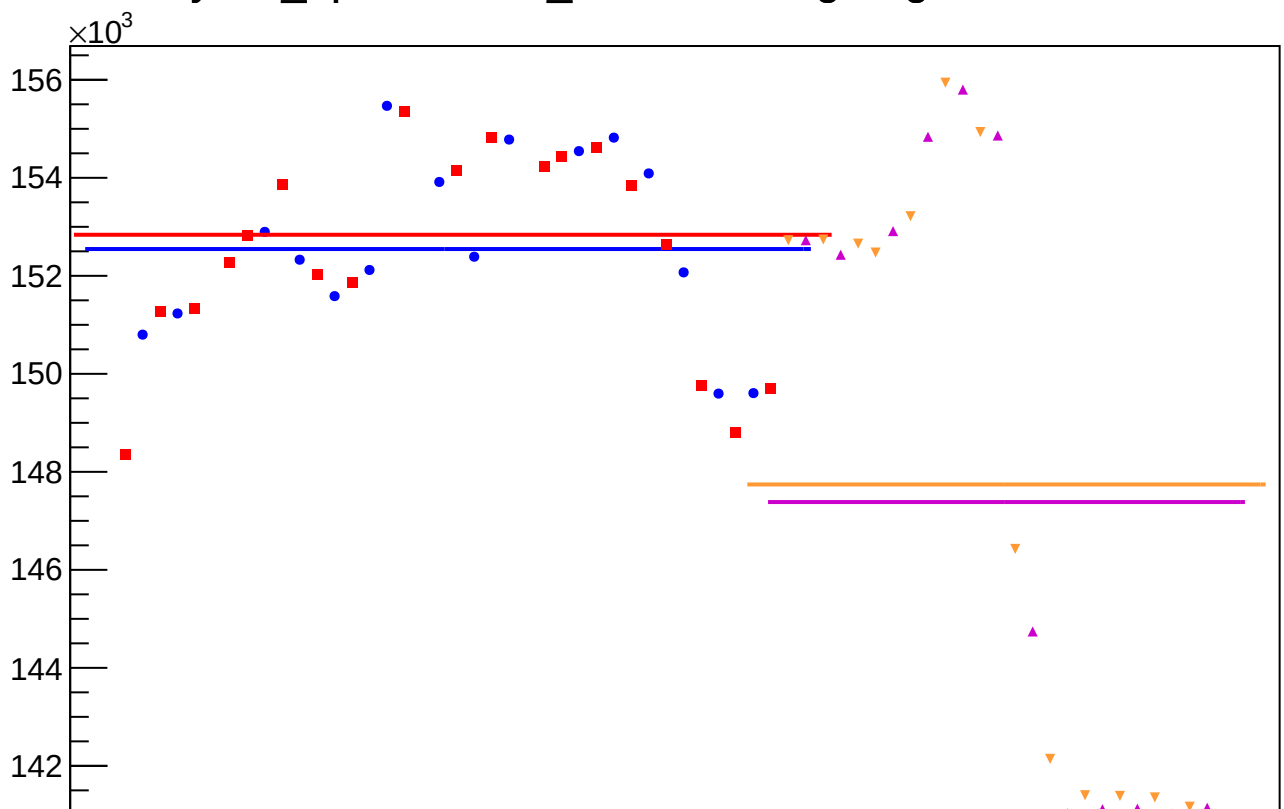
Left: 201.452+/-0.031 χ^2/NDF: 470155.9/25

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 184.893+/-0.032 χ^2/NDF:1392963.9/27

Out: 179.368+/-0.031 χ^2/NDF:1752042.5/32

All: 181.979+/-0.022 χ^2/NDF: 3160315.1/60



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 147742.332+/-0.061 χ^2/NDF:8890848058.1/13

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 147383.651+/-0.064 χ^2/NDF:9061568198.2/11

Left: 147570.869+/-0.044 χ^2/NDF: 17968990748.7

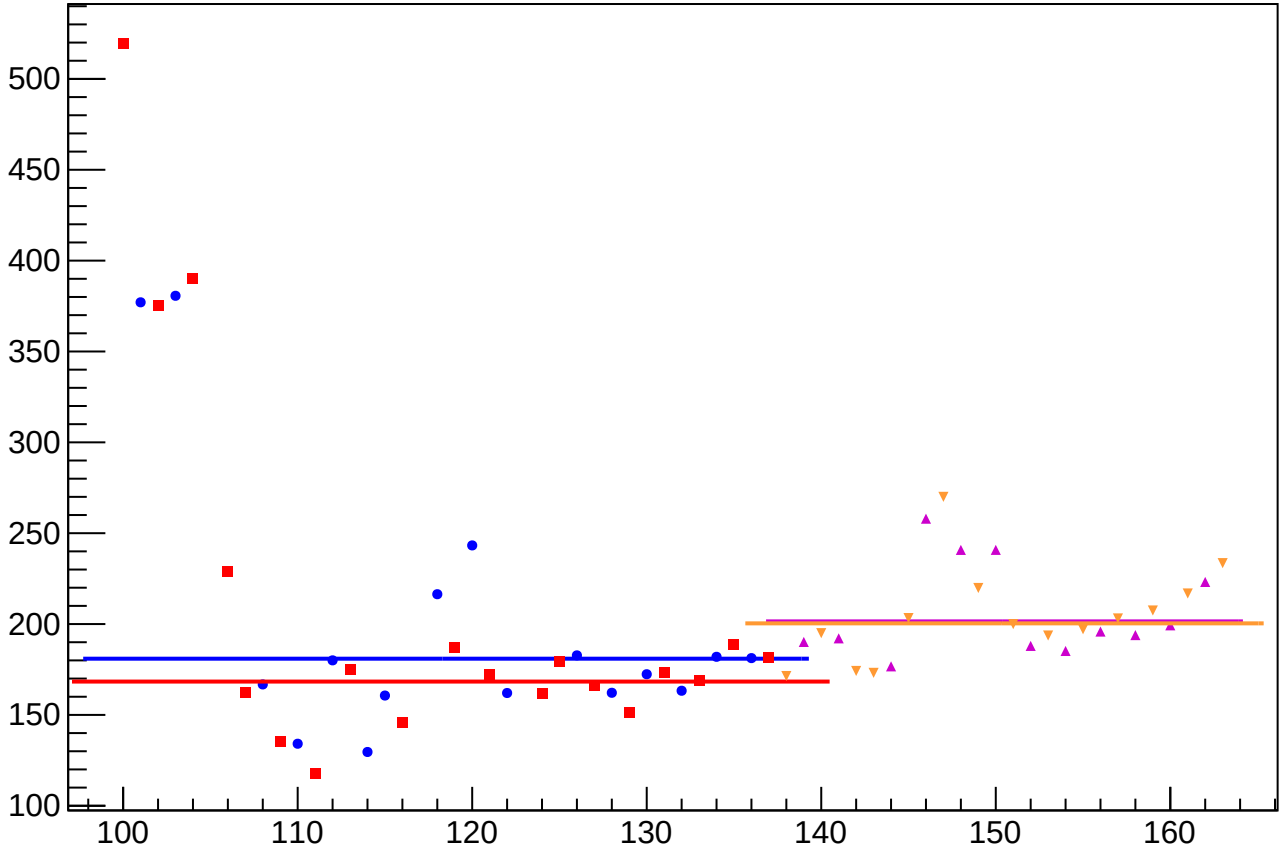
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 149627.094+/-0.048 χ^2/NDF:12575153486.3/2

Out: 150061.085+/-0.045 χ^2/NDF:12811997388.9

All: 149857.626+/-0.033 χ^2/NDF: 25430818

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 200.379+/-0.043 χ^2/NDF:272765.0/13

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 201.470+/-0.045 χ^2/NDF:260503.8/11

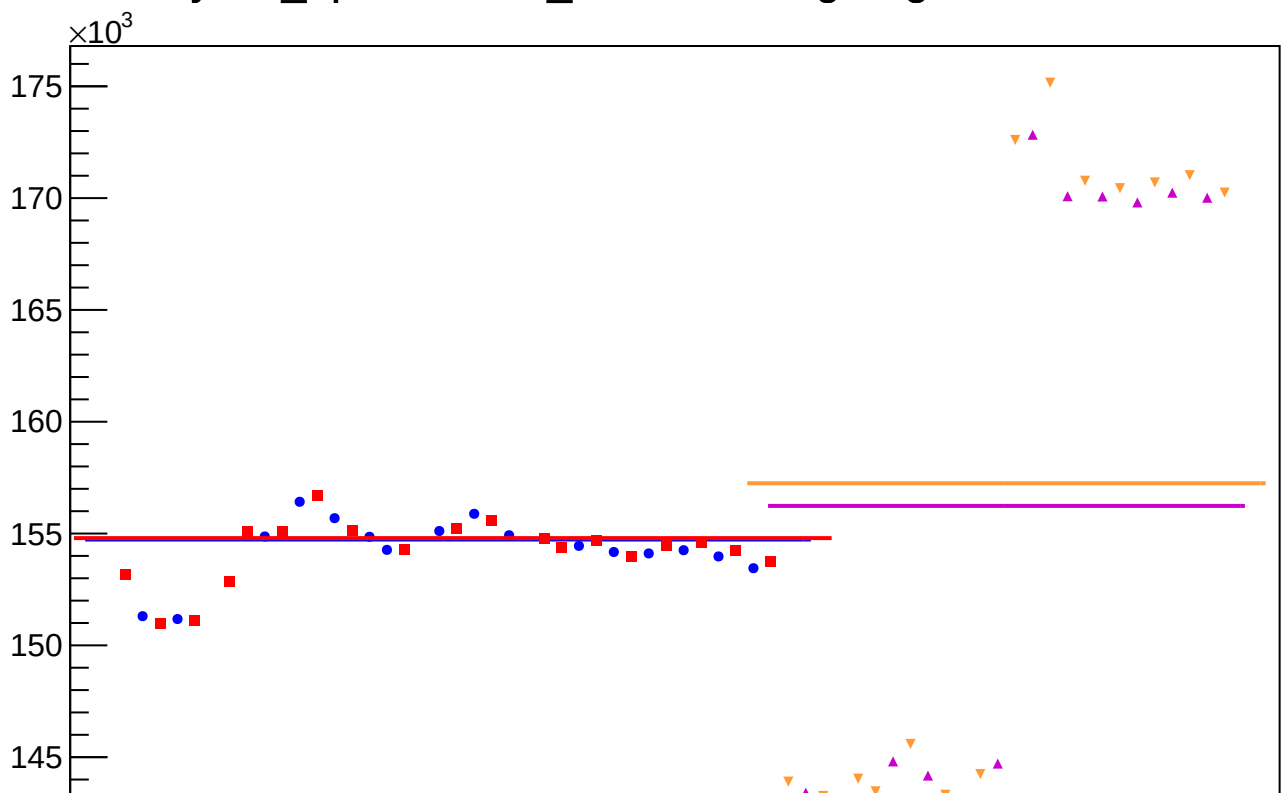
Left: 200.901+/-0.031 χ^2/NDF: 533575.5/25

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 192.549+/-0.034 χ^2/NDF:1258682.7/27

Out: 185.804+/-0.032 χ^2/NDF:1613492.9/32

All: 188.966+/-0.023 χ^2/NDF: 2893273.6/60



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 157248.553+/-0.056 χ^2/NDF:61391952295.9/13

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 156236.090+/-0.059 χ^2/NDF:52142385136.6/11

Left: 156766.366+/-0.041 χ^2/NDF: 113688009288.

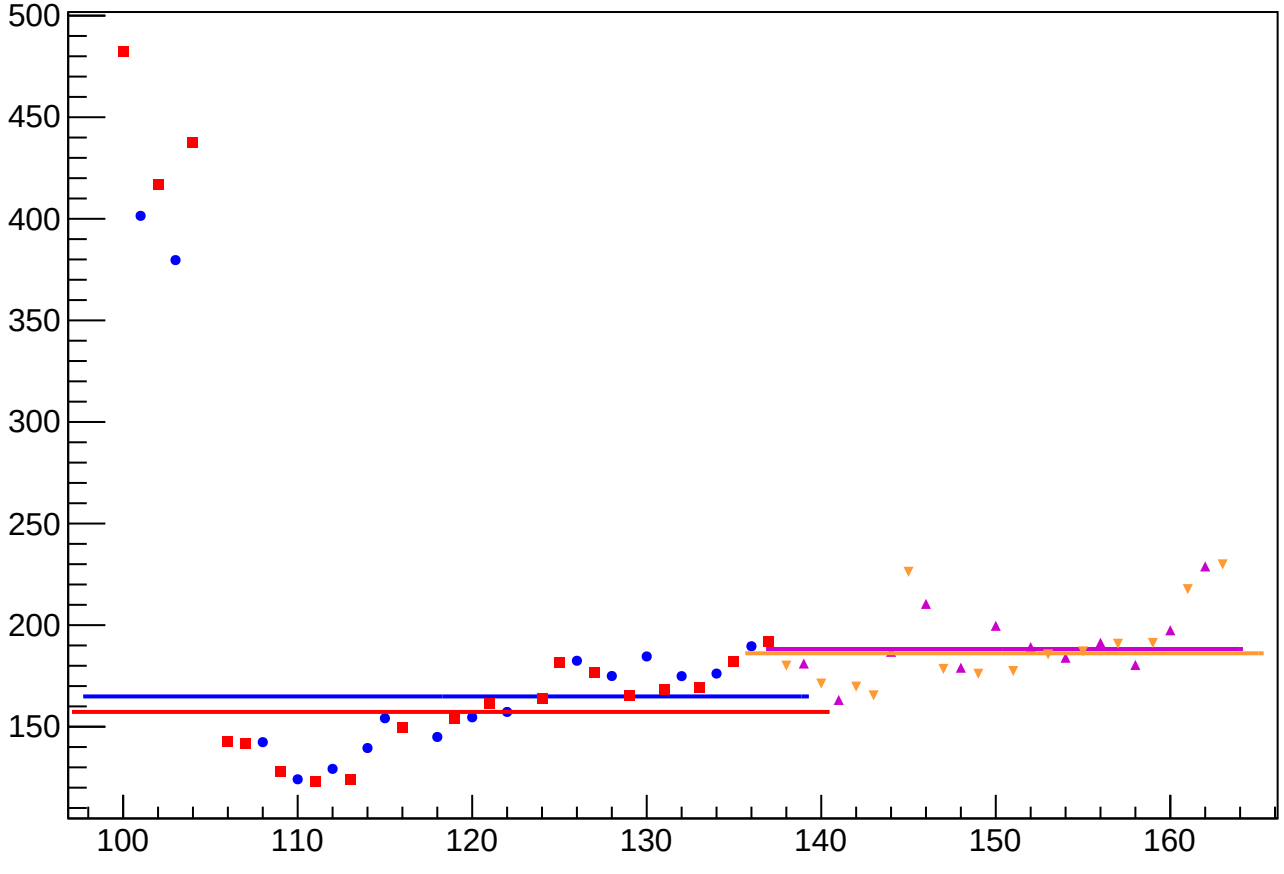
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 155558.050+/-0.044 χ^2/NDF:52708528150.0/2

Out: 156120.257+/-0.041 χ^2/NDF:62567162449.8/

All: 155854.793+/-0.030 χ^2/NDF: 11536269

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 186.134+/-0.040 χ^2/NDF:207297.1/13

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 188.257+/-0.042 χ^2/NDF:132468.9/11

Left: 187.145+/-0.029 χ^2/NDF: 341116.3/25

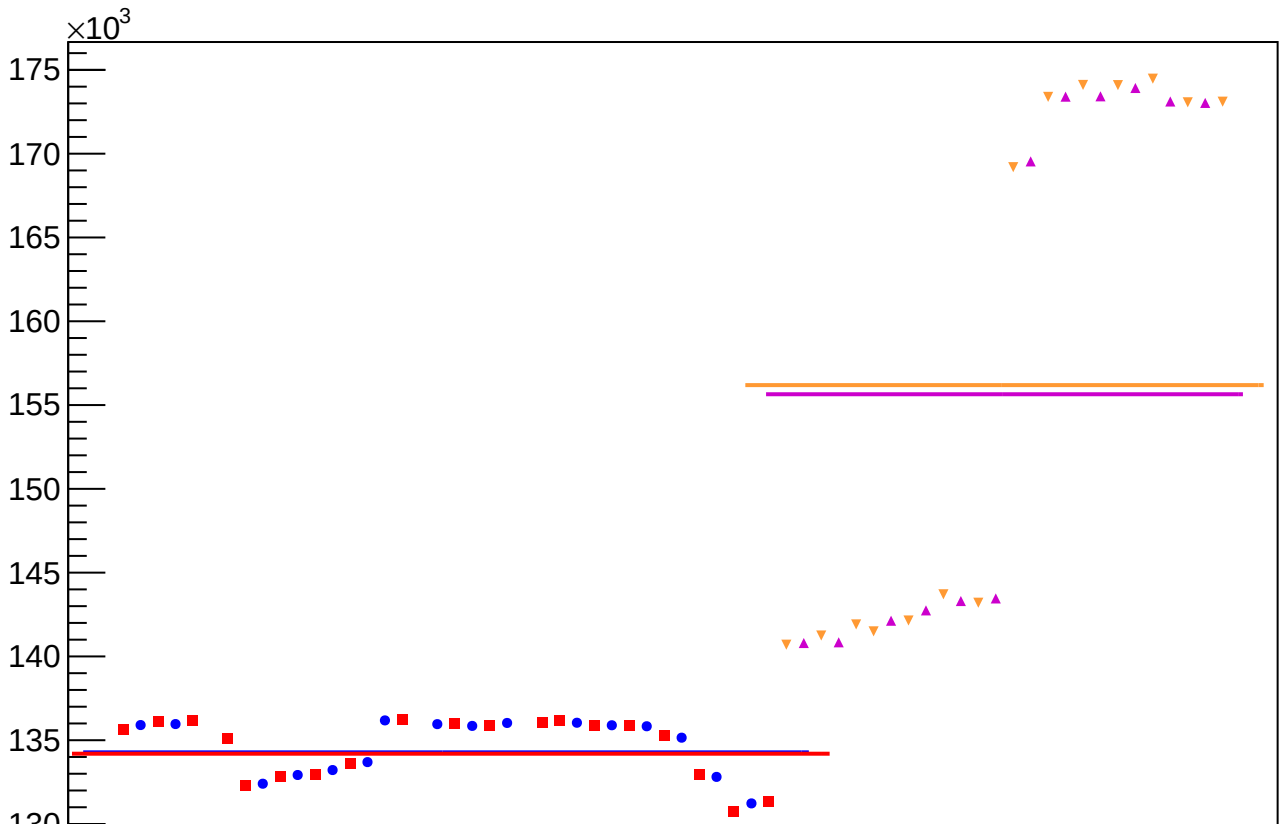
Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 177.722+/-0.031 χ^2/NDF:1346010.1/27

Out: 172.862+/-0.029 χ^2/NDF:1703200.8/32

All: 175.157+/-0.021 χ^2/NDF: 3062215.9/60

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 156190.235+/-0.057 χ^2/NDF:74145793696.3/13

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 155645.292+/-0.060 χ^2/NDF:65086395324.5/11

Left: 155931.837+/-0.041 χ^2/NDF: 139276008434.

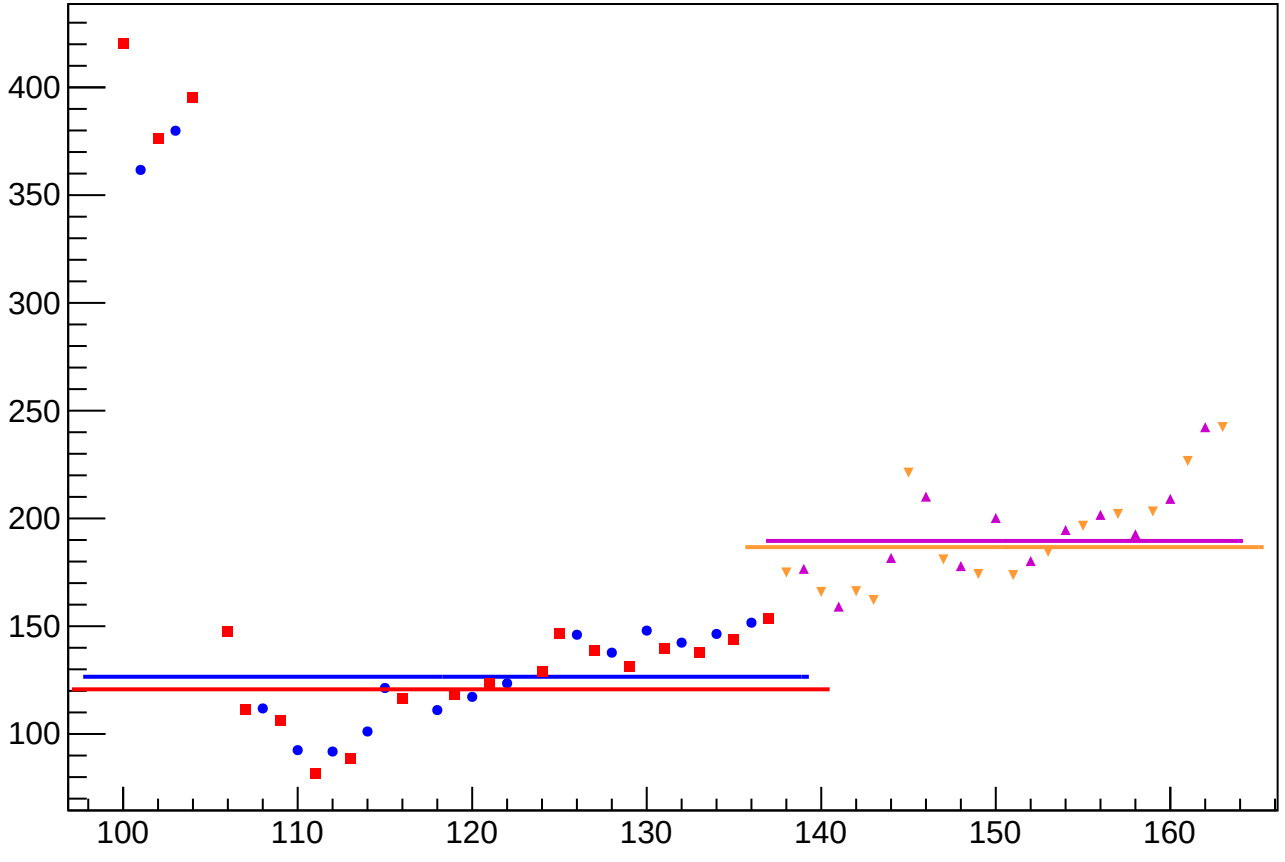
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8

In: 143256.680+/-0.039 χ^2/NDF:140519604282.5

Out: 143374.232+/-0.037 χ^2/NDF:163071898688.

All: 143318.697+/-0.027 χ^2/NDF: 30359637

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 186.691+/-0.040 χ^2/NDF:304604.8/13

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 189.566+/-0.042 χ^2/NDF:207379.5/11

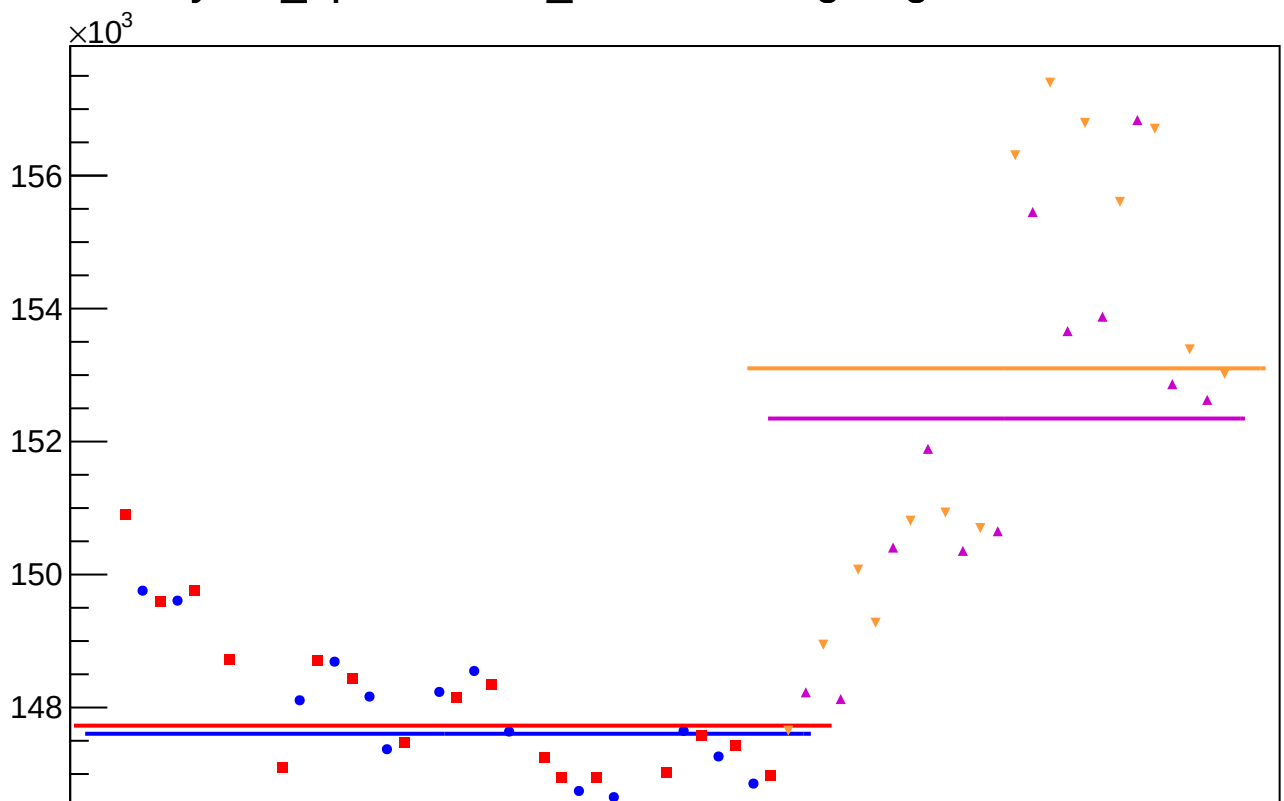
Left: 188.054+/-0.029 χ^2/NDF: 514422.9/25

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 153.033+/-0.027 χ^2/NDF:2976840.1/27

Out: 148.253+/-0.026 χ^2/NDF:3515500.3/32

All: 150.511+/-0.019 χ^2/NDF: 6508441.3/60



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153101.612+/-0.062 χ^2/NDF:2908188189.3/13

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152346.466+/-0.065 χ^2/NDF:1709811337.5/11

Left: 152741.500+/-0.045 χ^2/NDF: 4687983814.4/2

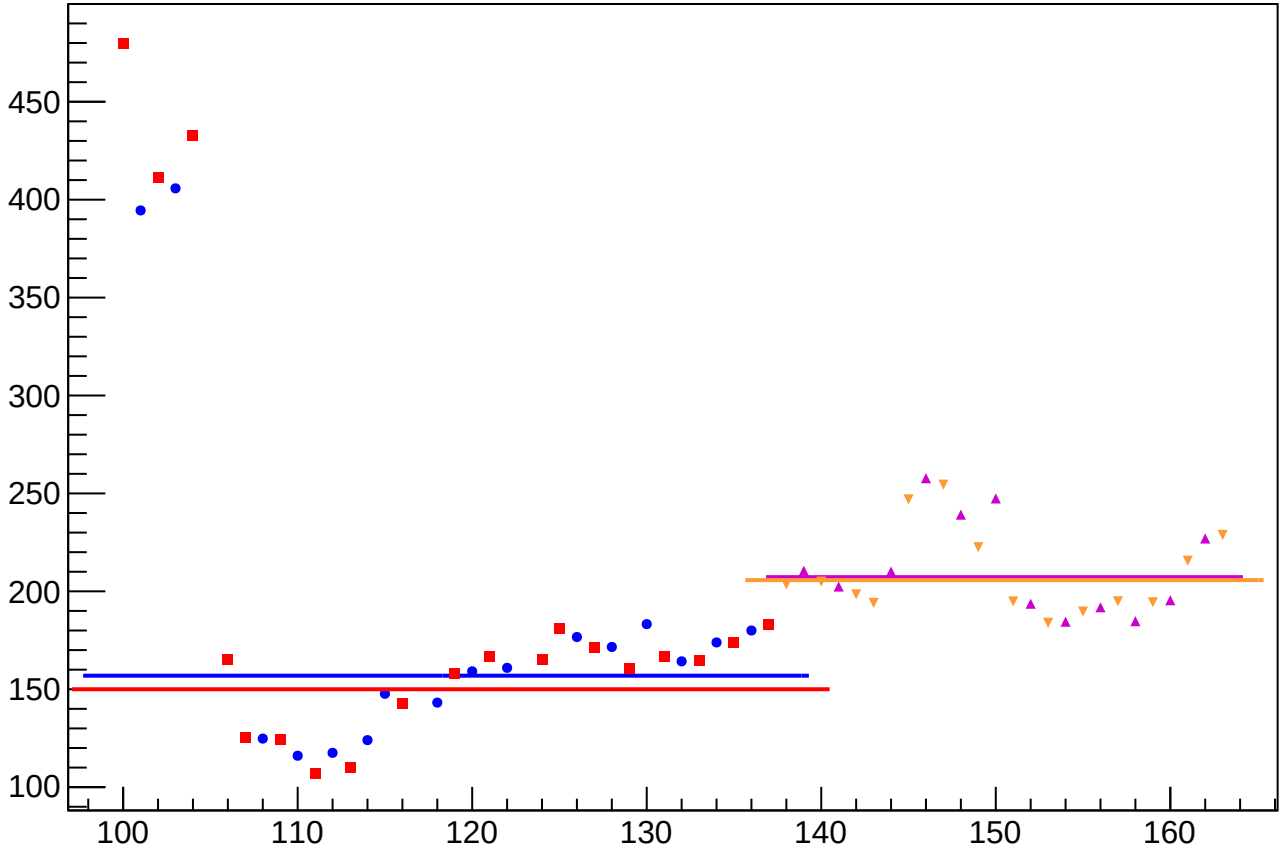
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 149871.676+/-0.045 χ^2/NDF:4662847764.8/27

Out: 150263.922+/-0.043 χ^2/NDF:7027592977.8/3

All: 150078.110+/-0.031 χ^2/NDF: 11730183

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 205.733+/-0.044 χ^2/NDF:192047.0/13

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 207.246+/-0.046 χ^2/NDF:234341.8/11

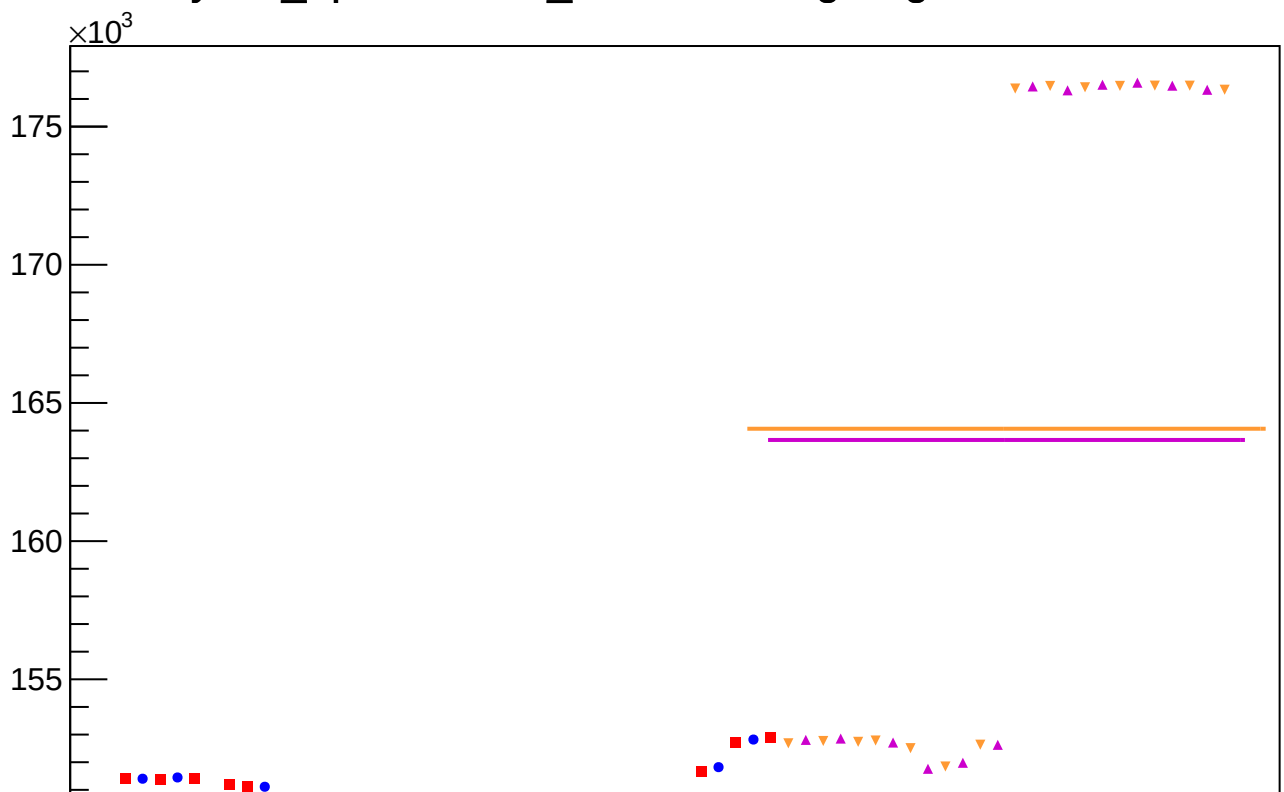
Left: 206.454+/-0.032 χ^2/NDF: 426950.9/25

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

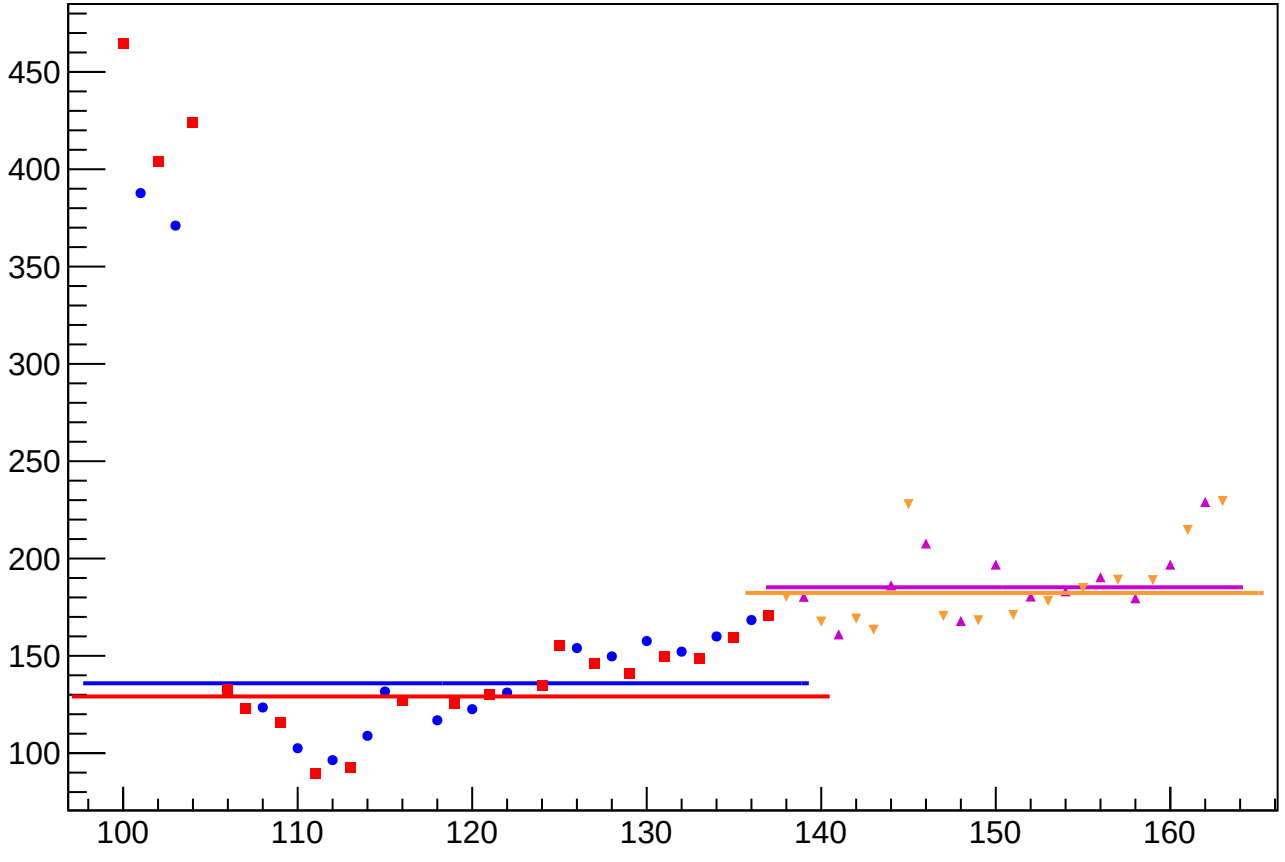
In: 180.979+/-0.032 χ^2/NDF:2120281.0/27

Out: 176.301+/-0.030 χ^2/NDF:2490365.0/32

All: 178.517+/-0.022 χ^2/NDF: 4621953.6/60


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 164067.149+/-0.055 χ²/NDF:46739010078.6/13
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 163661.096+/-0.058 χ²/NDF:42219595831.4/11
Left: 163874.870+/-0.040 χ²/NDF: 88984227359.5
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 156698.043+/-0.040 χ²/NDF:69365009793.9/2
Out: 156778.470+/-0.037 χ²/NDF:79239914179.3
All: 156740.724+/-0.027 χ²/NDF: 14860708

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 182.327+/-0.039 χ^2/NDF:244000.7/13

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 185.219+/-0.041 χ^2/NDF:153815.7/11

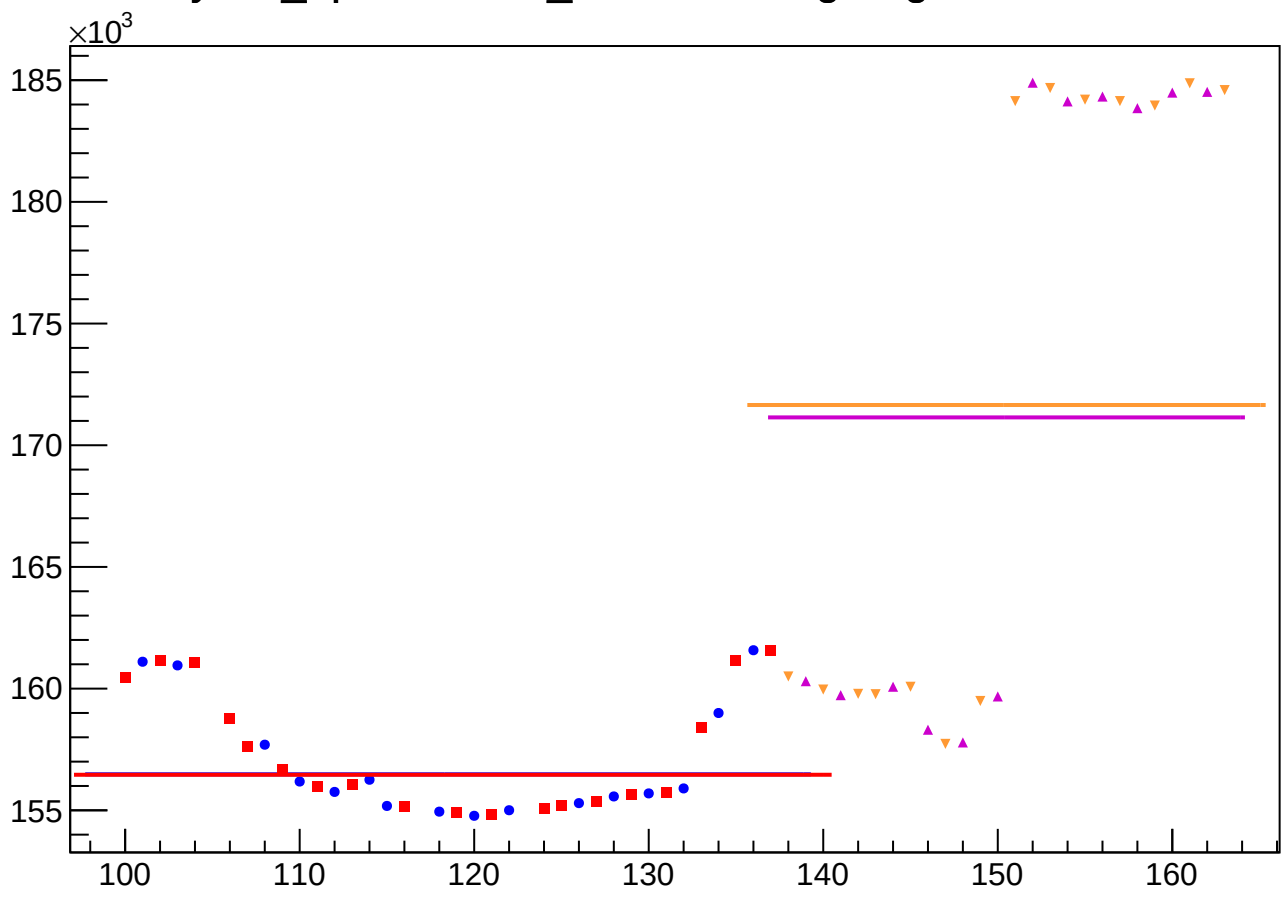
Left: 183.697+/-0.028 χ^2/NDF: 400416.2/25

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 158.987+/-0.028 χ^2/NDF:2333946.9/27

Out: 153.618+/-0.026 χ^2/NDF:2860678.0/32

All: 156.138+/-0.019 χ^2/NDF: 5213918.7/60



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 171653.395+/-0.057 χ^2/NDF:47162772280.9/13

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 171144.051+/-0.060 χ^2/NDF:43352242113.1/11

Left: 171411.538+/-0.041 χ^2/NDF: 90552765490.4/

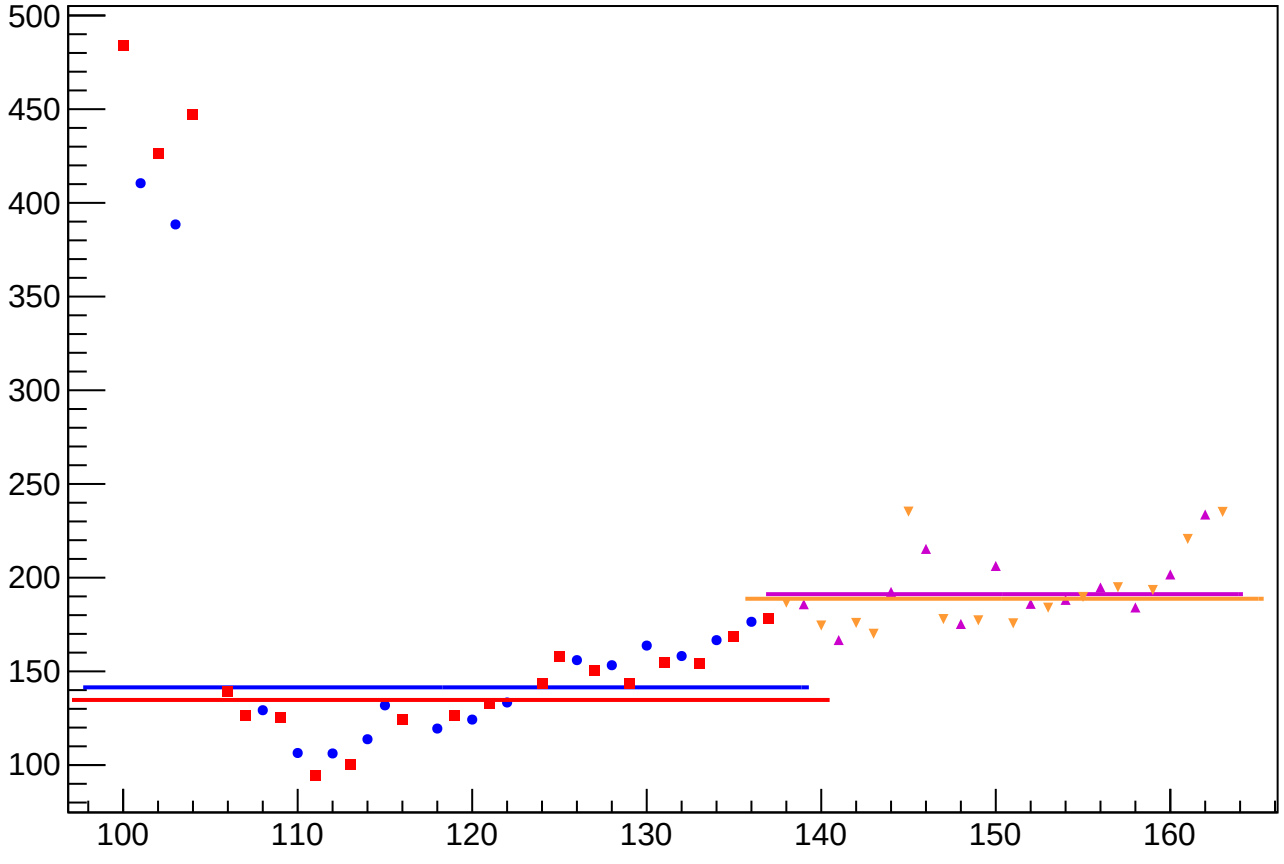
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 163402.388+/-0.041 χ^2/NDF:76101332450.5/2

Out: 163506.769+/-0.039 χ^2/NDF:86192686481.4

All: 163457.668+/-0.028 χ^2/NDF: 16229740

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 188.751+/-0.040 χ^2/NDF:223532.3/13

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 191.196+/-0.042 χ^2/NDF:146506.3/11

Left: 189.912+/-0.029 χ^2/NDF: 371777.3/25

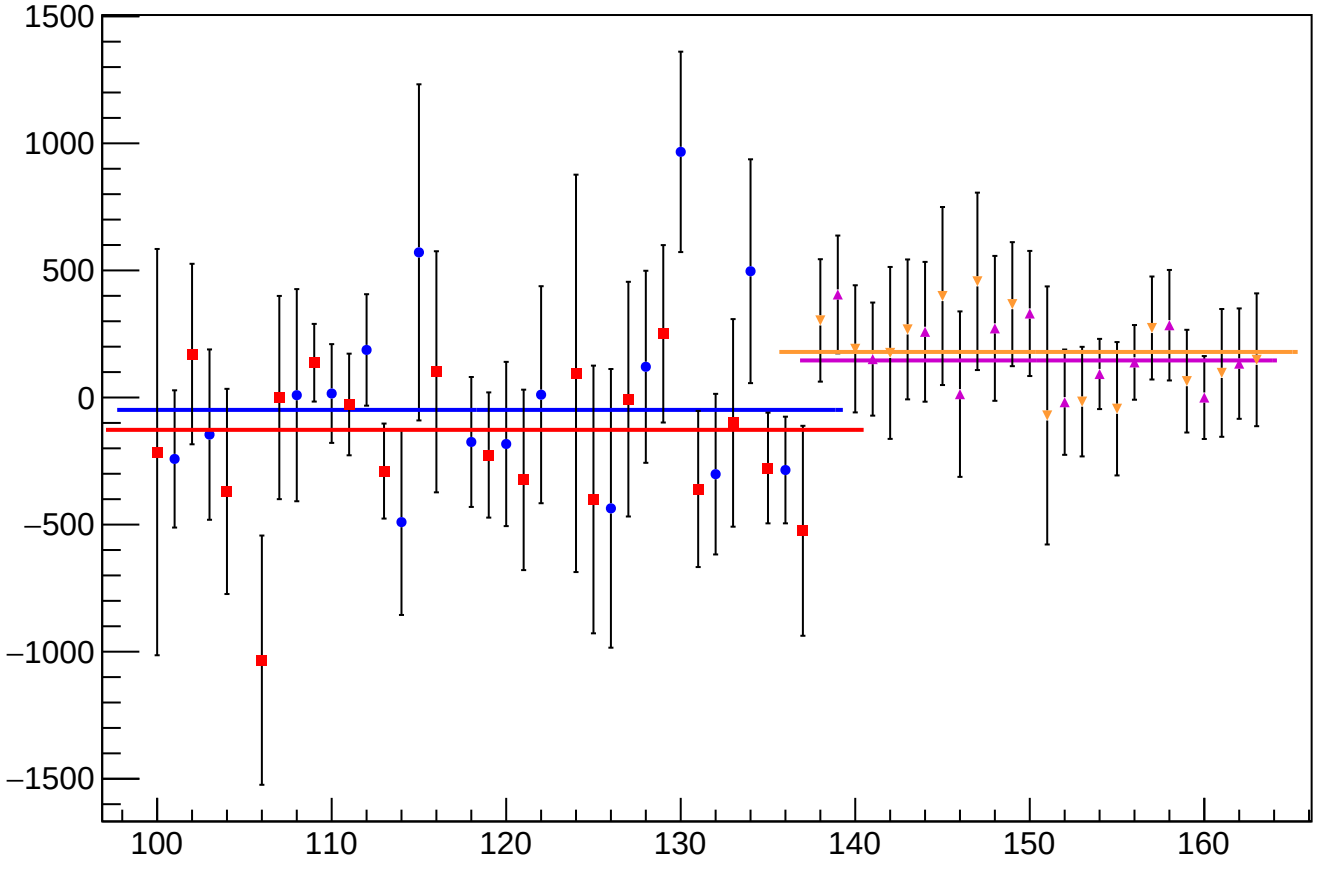
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 164.947+/-0.029 χ^2/NDF:2261769.7/27

Out: 159.793+/-0.028 χ^2/NDF:2761098.3/32

All: 162.217+/-0.020 χ^2/NDF: 5039381.5/60

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 145.825+/-58.491 χ^2/NDF:4.3/11

Left: 159.718+/-44.727 χ^2/NDF: 8.9/25

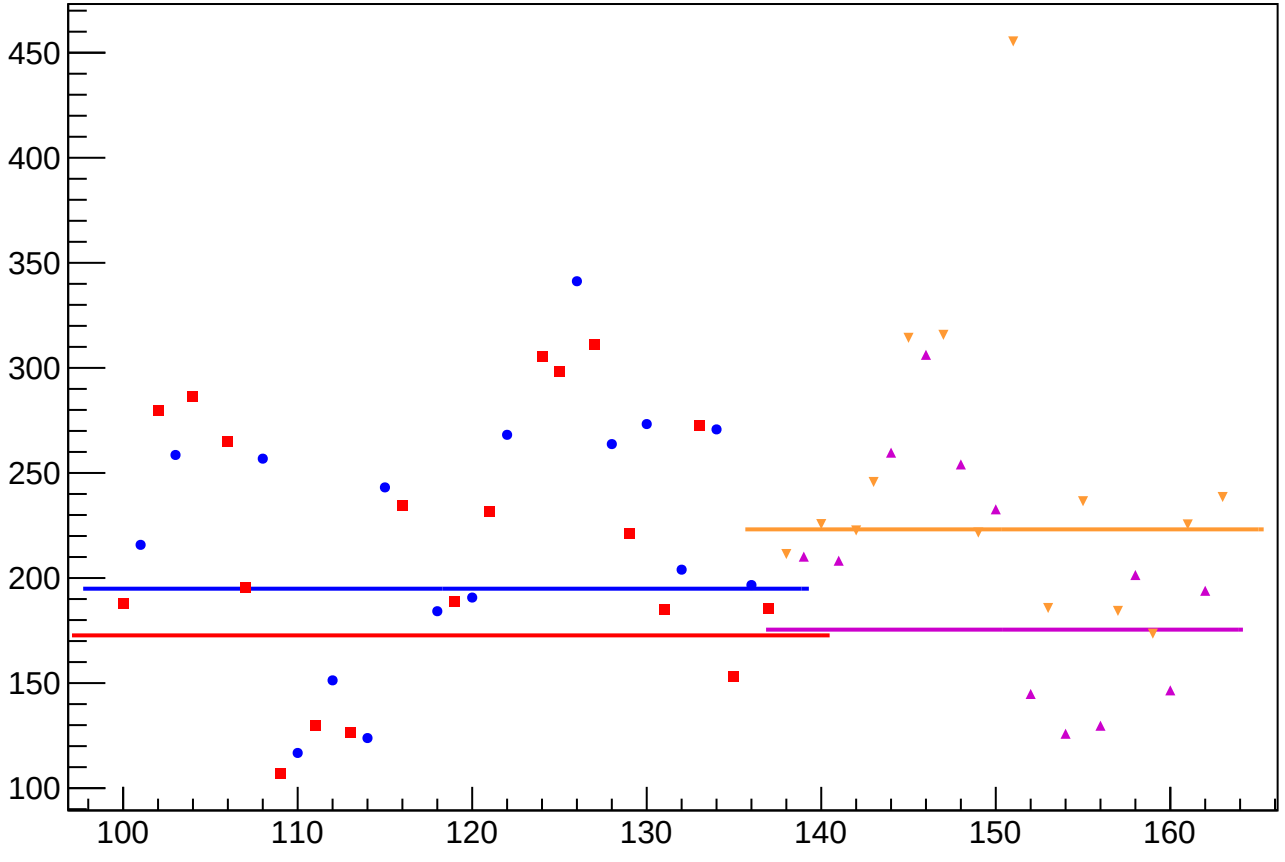
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 74.151+/-46.486 χ^2/NDF:23.8/27

Out: 24.014+/-48.756 χ^2/NDF:27.2/32

All: 50.277+/-33.645 χ^2/NDF: 51.6/60

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 175.438+/-0.041 χ^2/NDF:1459846.8/11

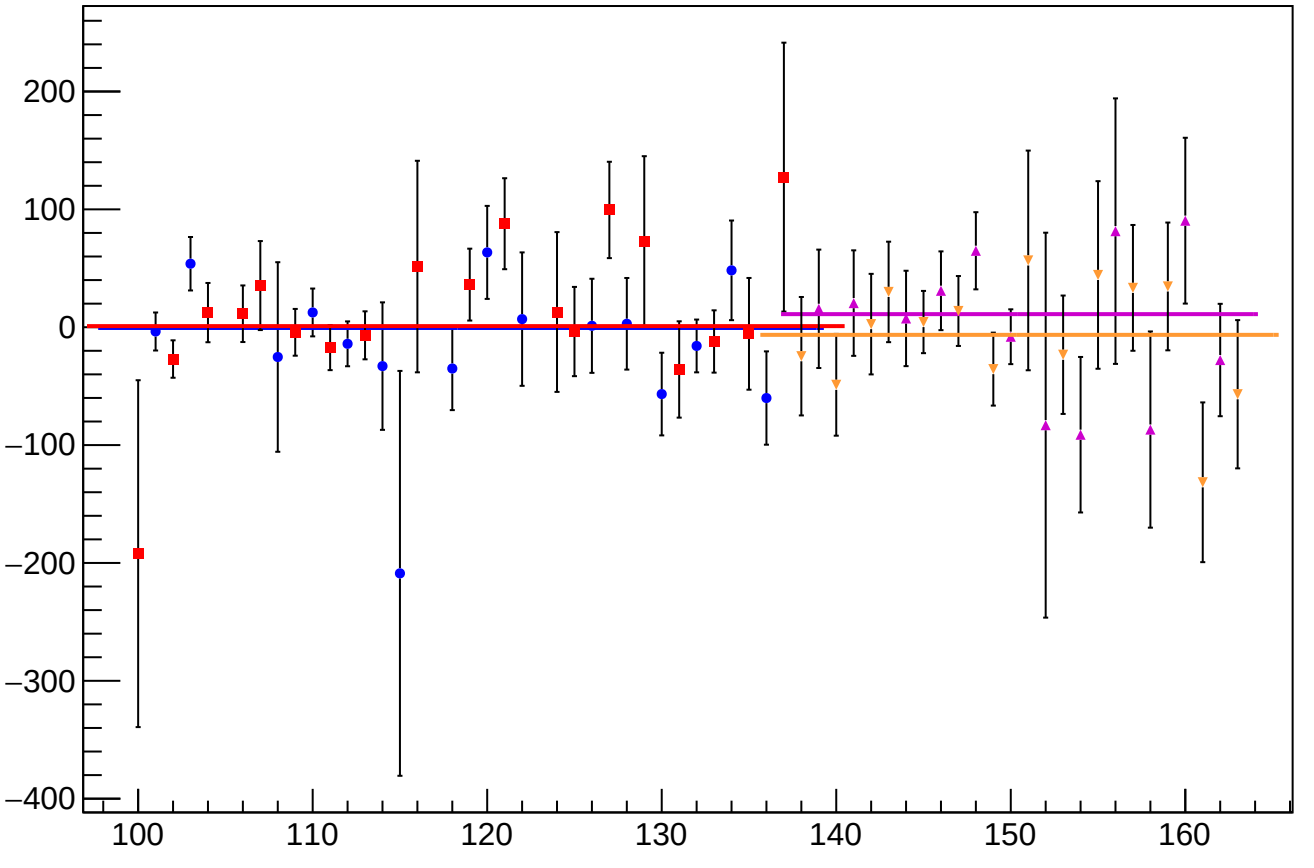
Left: 195.254+/-0.032 χ^2/NDF: 2992355.6/25

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.615+/-0.033 χ^2/NDF:2570505.6/27

Out: 197.601+/-0.034 χ^2/NDF:3146369.2/32

All: 189.751+/-0.024 χ^2/NDF: 5815845.5/60



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -6.472+/-11.564 χ^2/NDF:9.5/13

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 11.103+/-12.581 χ^2/NDF:10.2/11

Left: 1.576+/-8.514 χ^2/NDF: 20.8/25

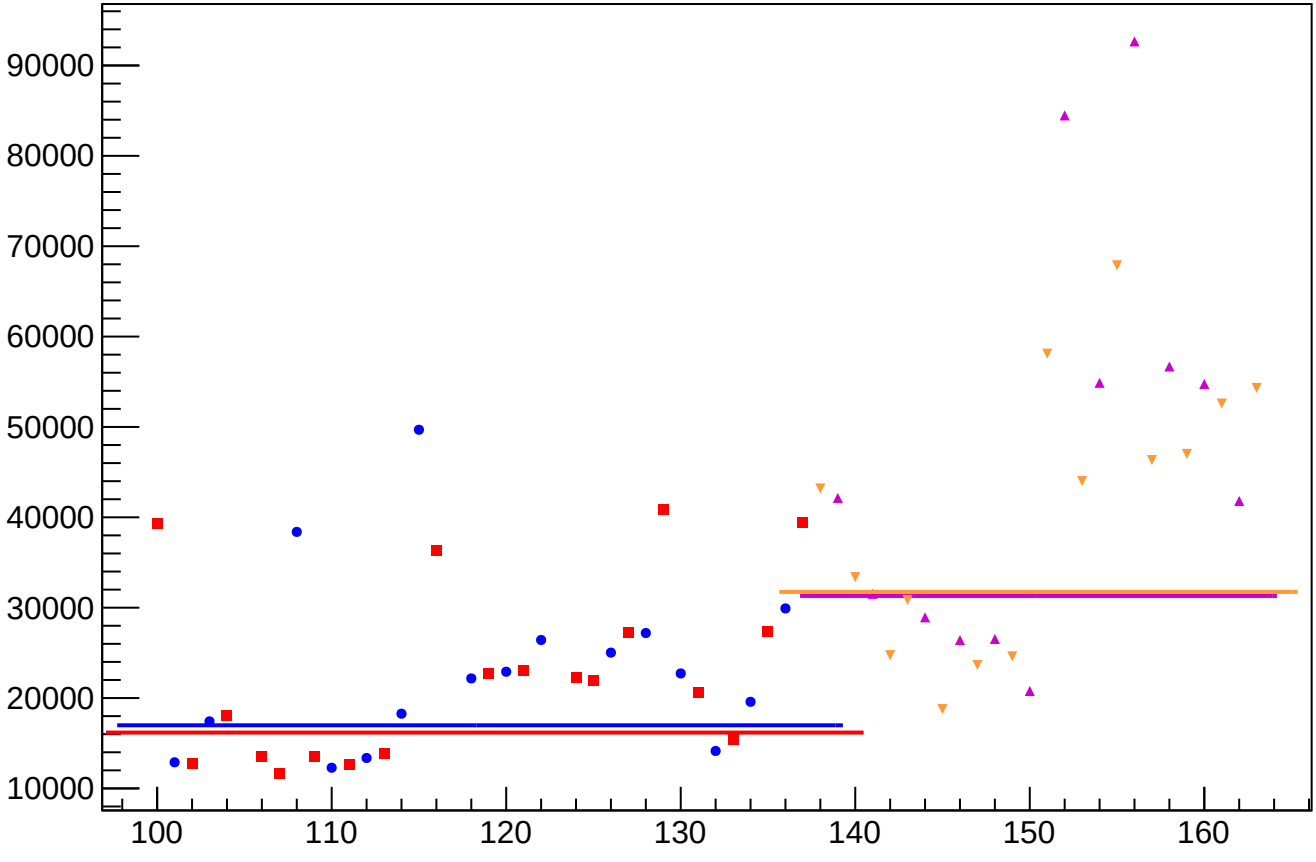
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.354+/-6.340 χ^2/NDF:29.8/27

Out: -0.953+/-5.840 χ^2/NDF:32.9/32

All: 0.565+/-4.296 χ^2/NDF: 62.8/60

asym_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 31745.510+/-8.177 χ^2/NDF:2344864.1/13

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 31299.657+/-8.896 χ^2/NDF:2161434.1/11

Left: 31541.333+/-6.020 χ^2/NDF: 4507659.8/25

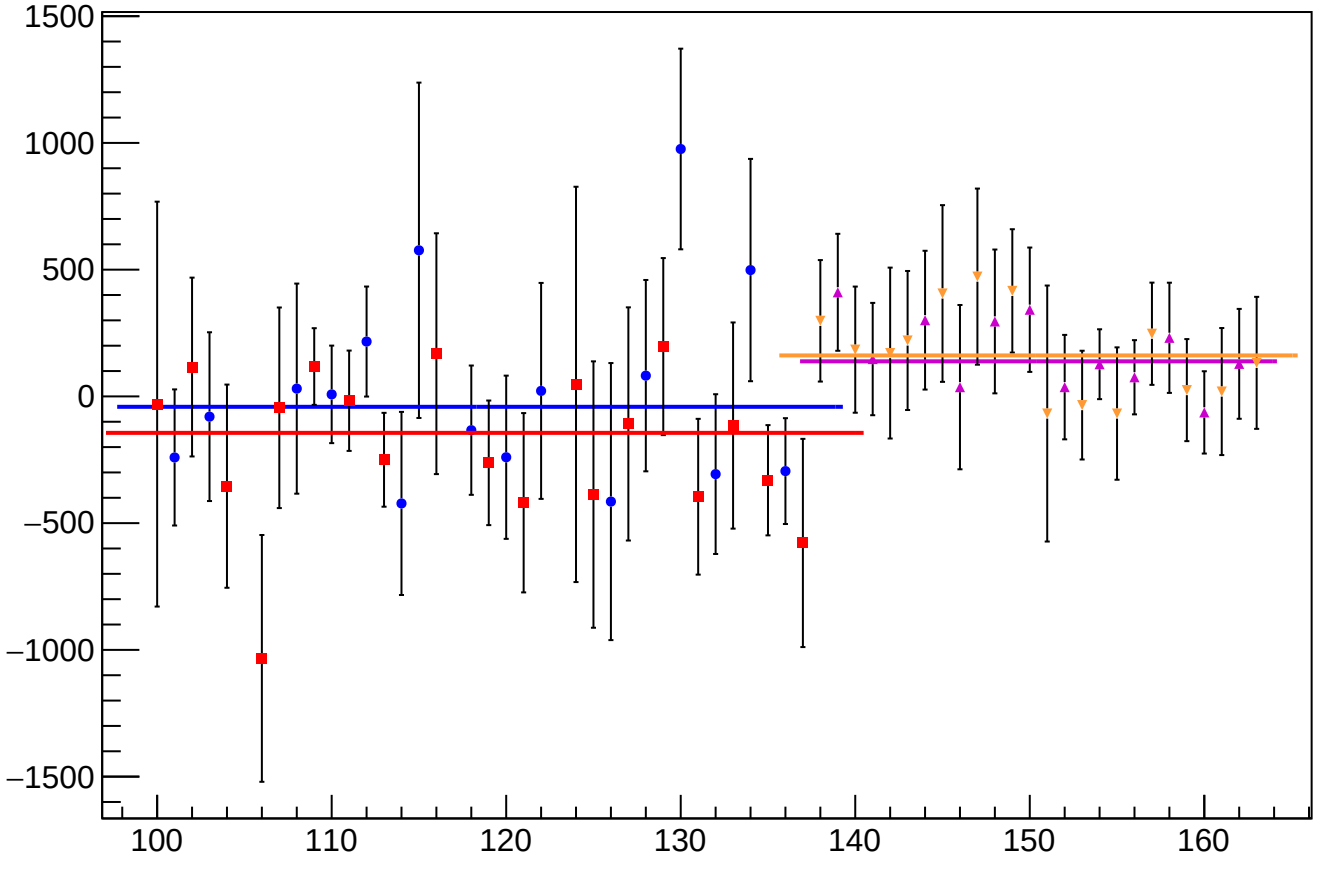
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 20621.299+/-4.483 χ^2/NDF:5286765.3/27

Out: 20151.996+/-4.130 χ^2/NDF:6294983.0/32

All: 20367.431+/-3.037 χ^2/NDF: 11587676.2

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 161.640+/-69.119 χ^2/NDF:5.6/13

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 138.397+/-58.288 χ^2/NDF:5.0/11

Left: 148.057+/-44.559 χ^2/NDF: 10.6/25

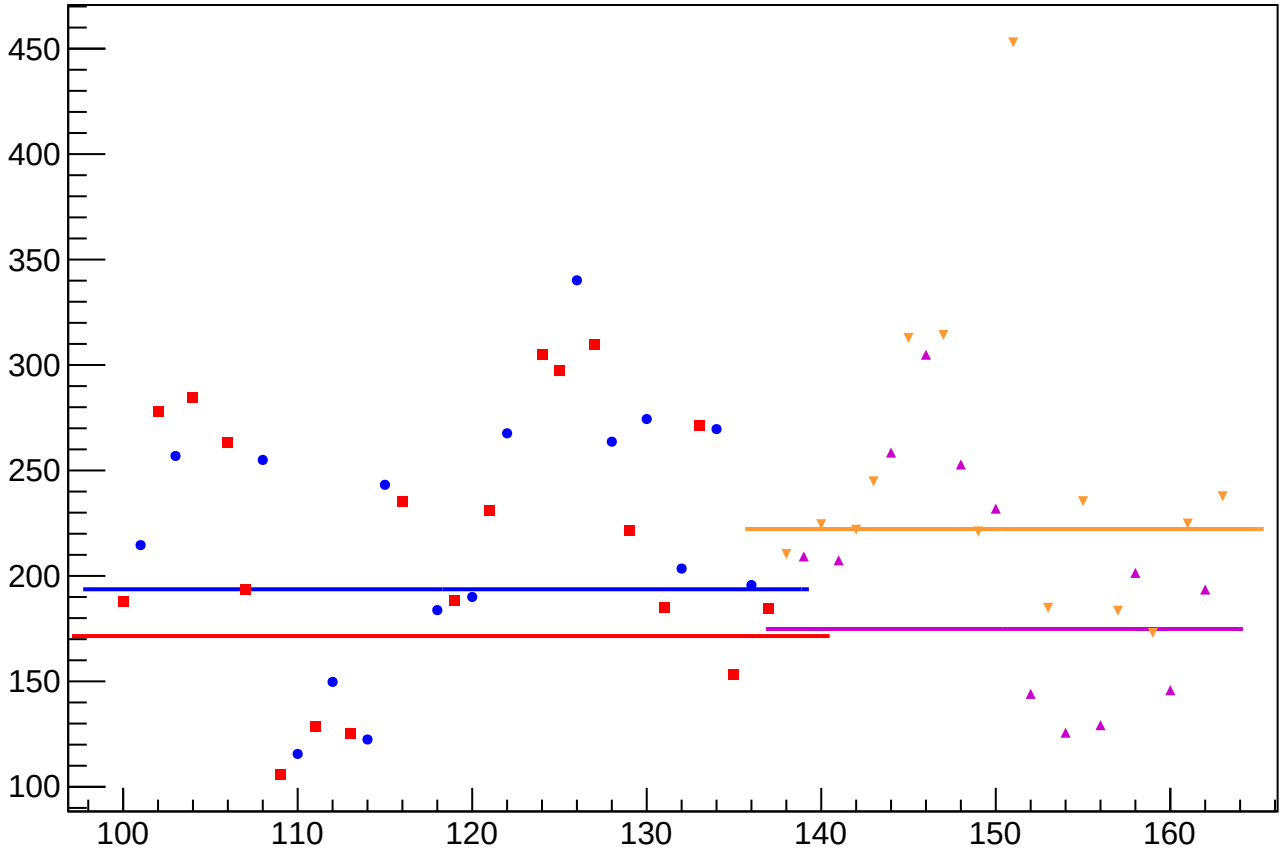
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 72.110+/-46.287 χ^2/NDF:24.0/27

Out: 6.598+/-48.503 χ^2/NDF:28.5/32

All: 40.884+/-33.486 χ^2/NDF: 53.4/60

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 222.245+/-0.049 χ^2/NDF:978514.4/13

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 174.848+/-0.041 χ^2/NDF:1457875.4/11

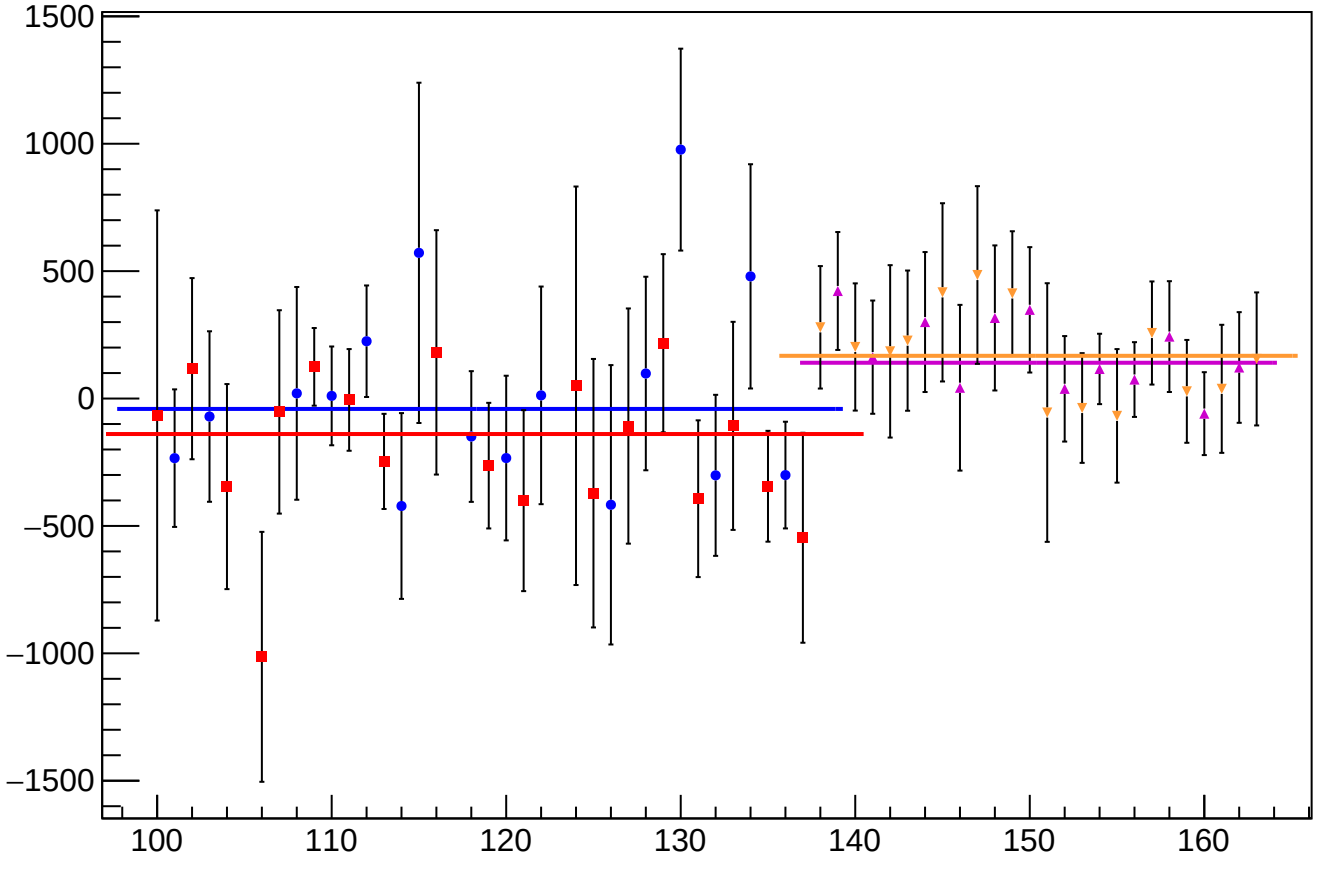
Left: 194.547+/-0.032 χ^2/NDF: 2985992.6/25

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 181.801+/-0.033 χ^2/NDF:2584684.3/27

Out: 196.480+/-0.034 χ^2/NDF:3179030.2/32

All: 188.798+/-0.024 χ^2/NDF: 5859588.4/60



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 167.678+/-69.339 χ^2/NDF:5.5/13

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 140.447+/-58.436 χ^2/NDF:5.2/11

Left: 151.755+/-44.684 χ^2/NDF: 10.8/25

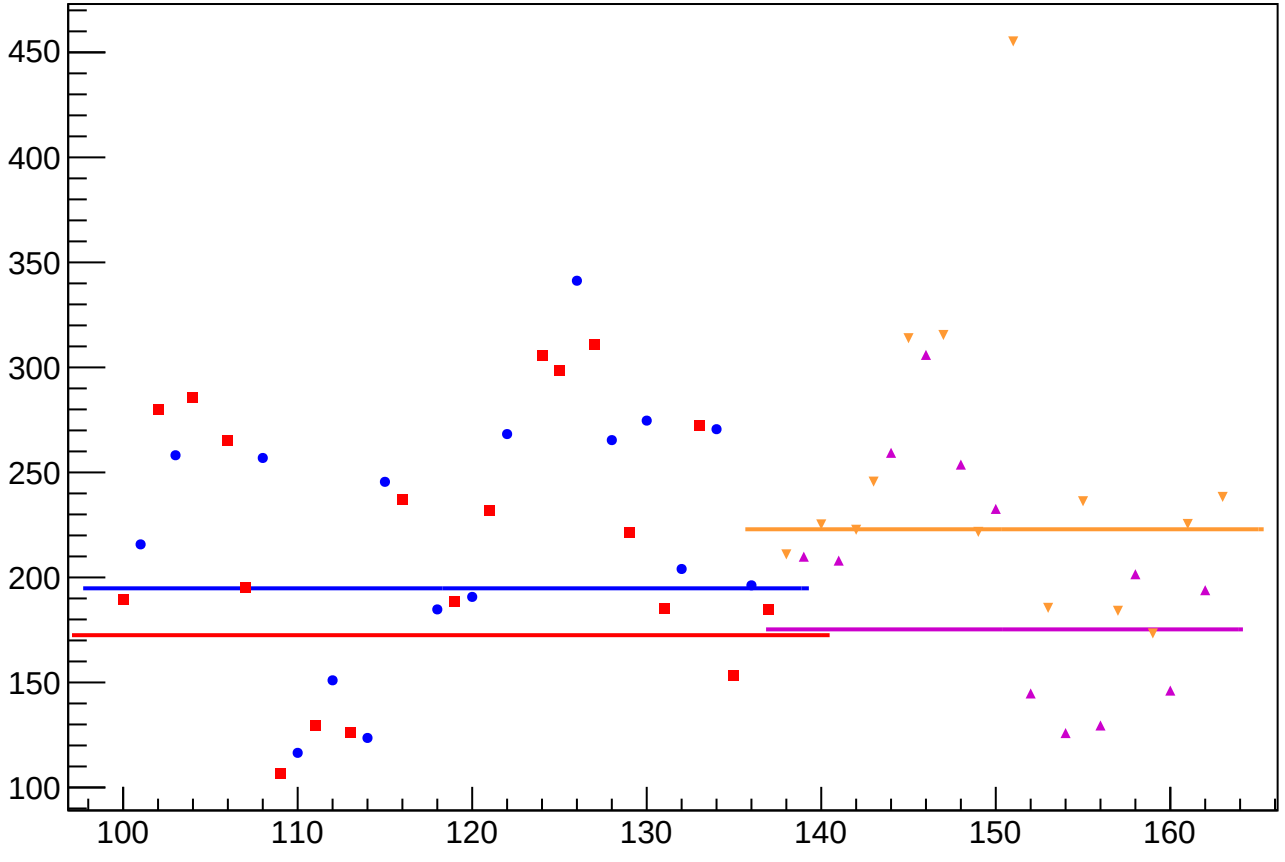
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 73.747+/-46.456 χ^2/NDF:24.2/27

Out: 12.233+/-48.716 χ^2/NDF:28.3/32

All: 44.450+/-33.620 χ^2/NDF: 53.3/60

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 222.934+/-0.049 χ^2/NDF:980766.7/13

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 175.270+/-0.041 χ^2/NDF:1460577.0/11

Left: 195.064+/-0.032 χ^2/NDF: 2993904.3/25

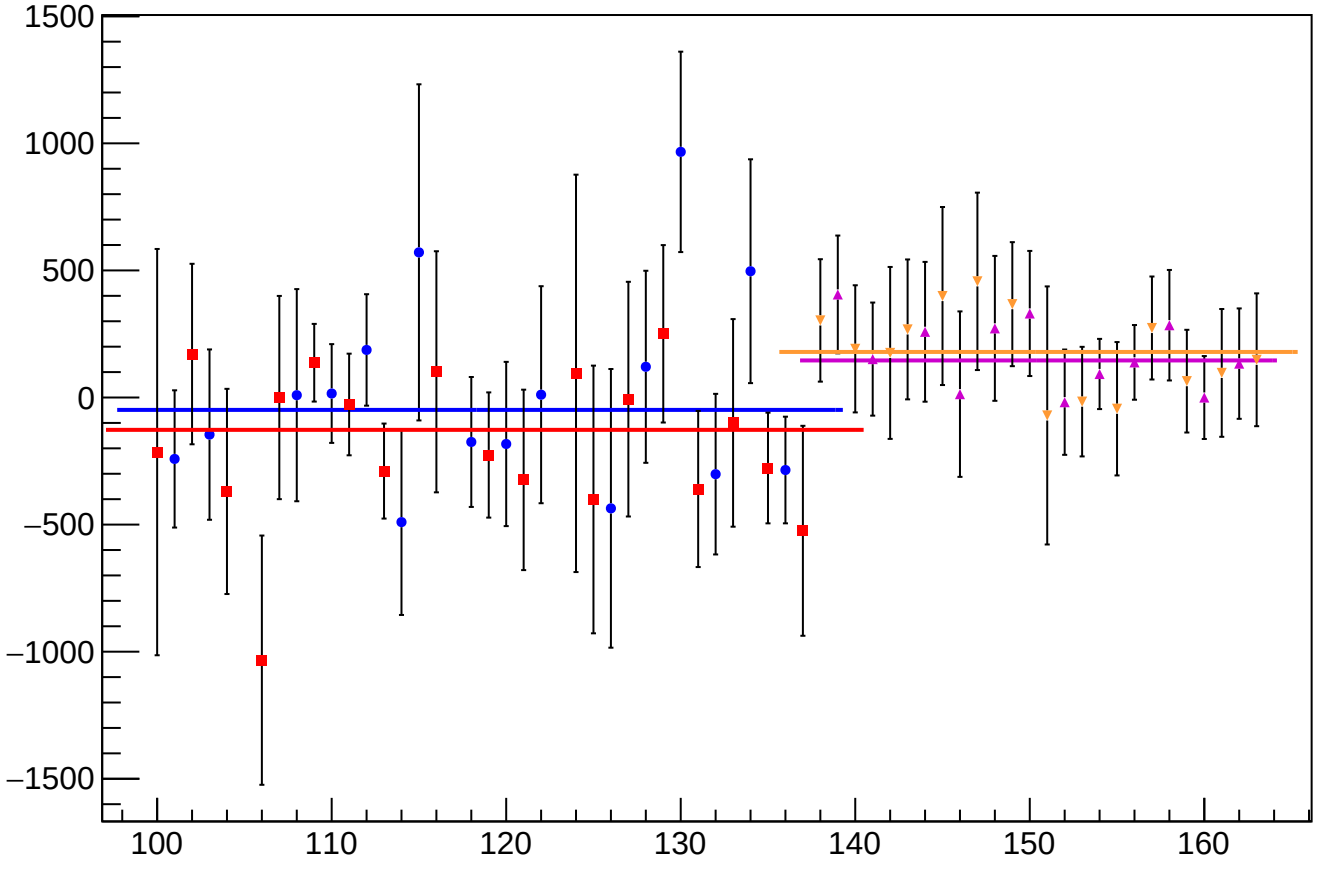
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.465+/-0.033 χ^2/NDF:2582044.1/27

Out: 197.398+/-0.034 χ^2/NDF:3158472.3/32

All: 189.577+/-0.024 χ^2/NDF: 5838945.7/60

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 179.280+/-69.406 χ^2/NDF:4.4/13

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 145.825+/-58.491 χ^2/NDF:4.3/11

Left: 159.718+/-44.727 χ^2/NDF: 8.9/25

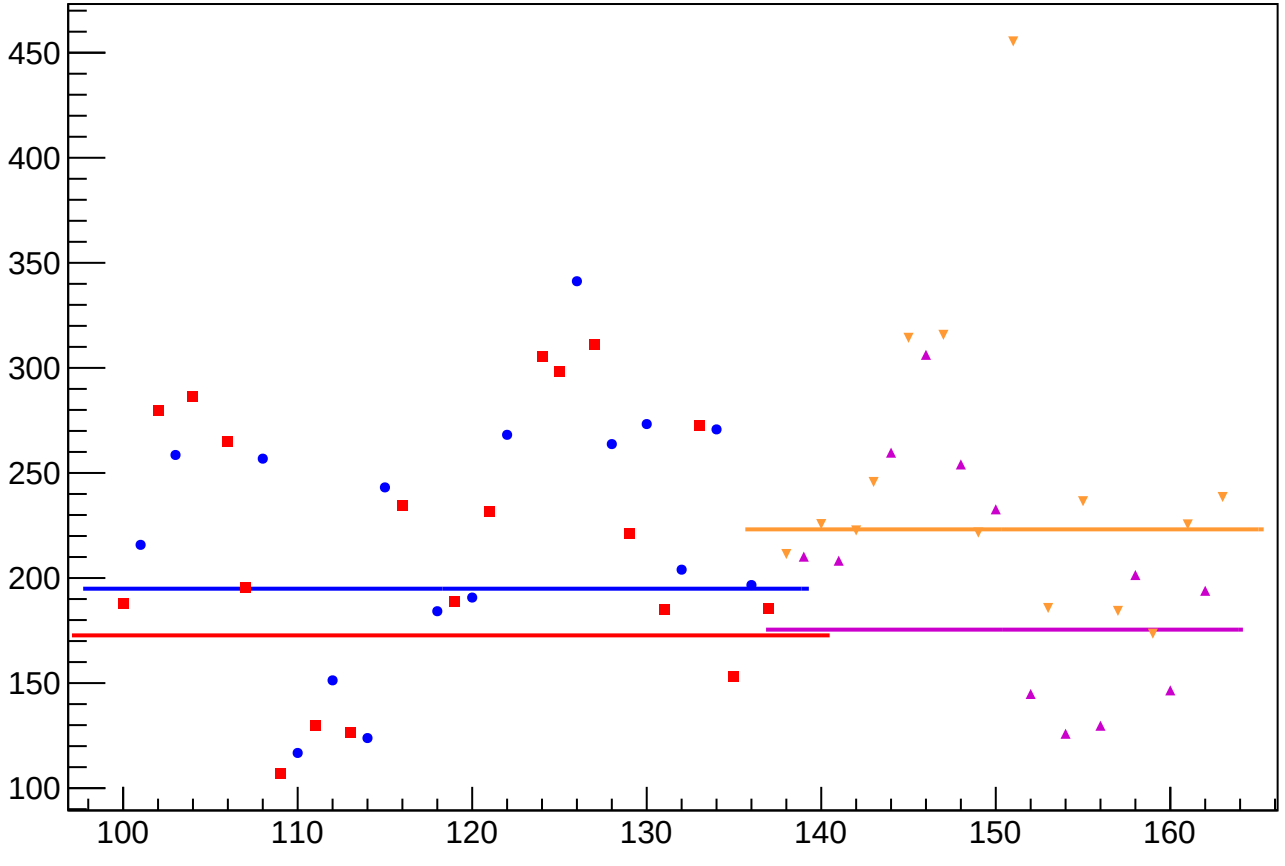
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 74.151+/-46.486 χ^2/NDF:23.8/27

Out: 24.014+/-48.756 χ^2/NDF:27.2/32

All: 50.277+/-33.645 χ^2/NDF: 51.6/60

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 223.157+/-0.049 χ^2/NDF:979708.2/13

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 175.438+/-0.041 χ^2/NDF:1459846.8/11

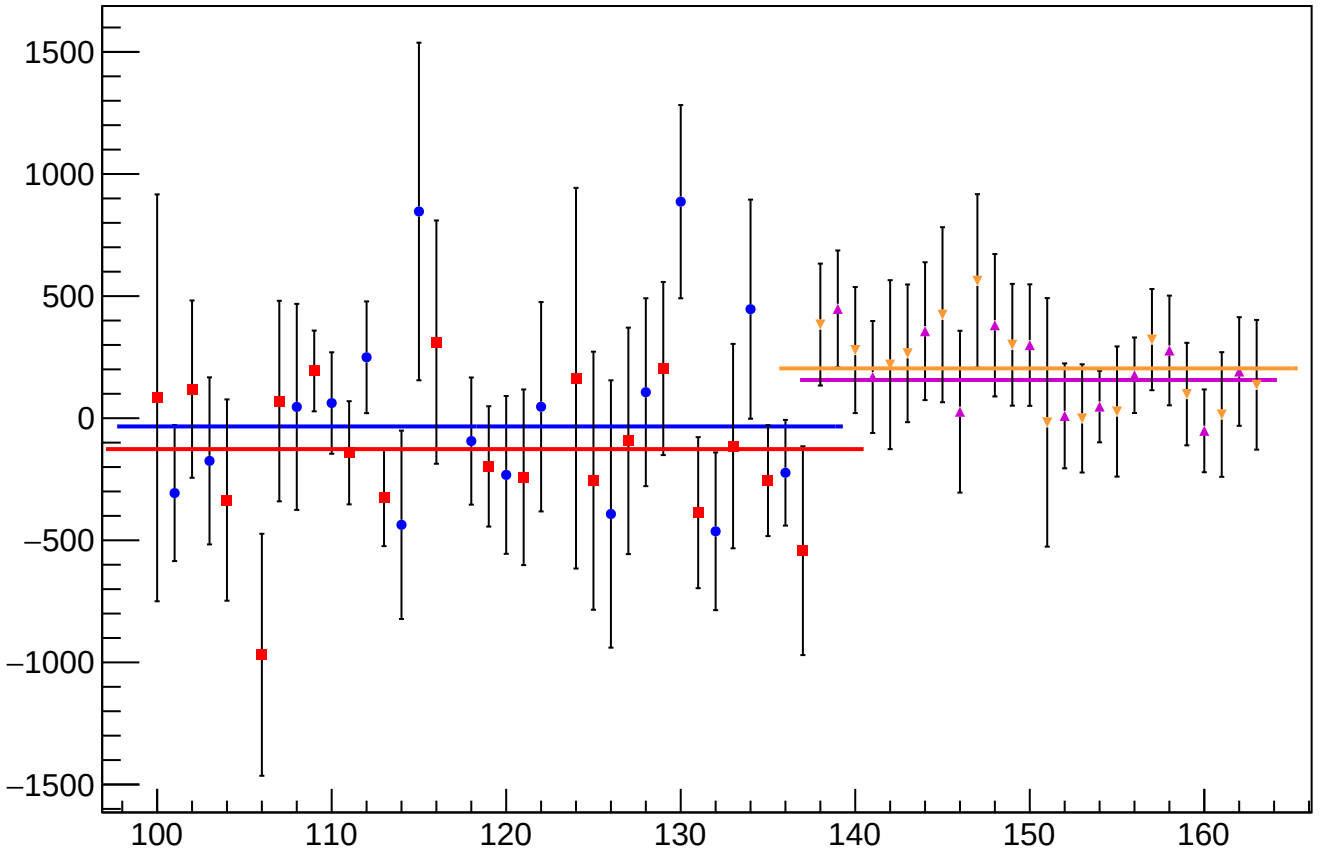
Left: 195.254+/-0.032 χ^2/NDF: 2992355.6/25

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 182.615+/-0.033 χ^2/NDF:2570505.6/27

Out: 197.601+/-0.034 χ^2/NDF:3146369.2/32

All: 189.751+/-0.024 χ^2/NDF: 5815845.5/60



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 204.113+/-71.142 χ^2/NDF:4.9/13

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 156.598+/-60.753 χ^2/NDF:5.9/11

Left: 176.635+/-46.199 χ^2/NDF: 11.0/25

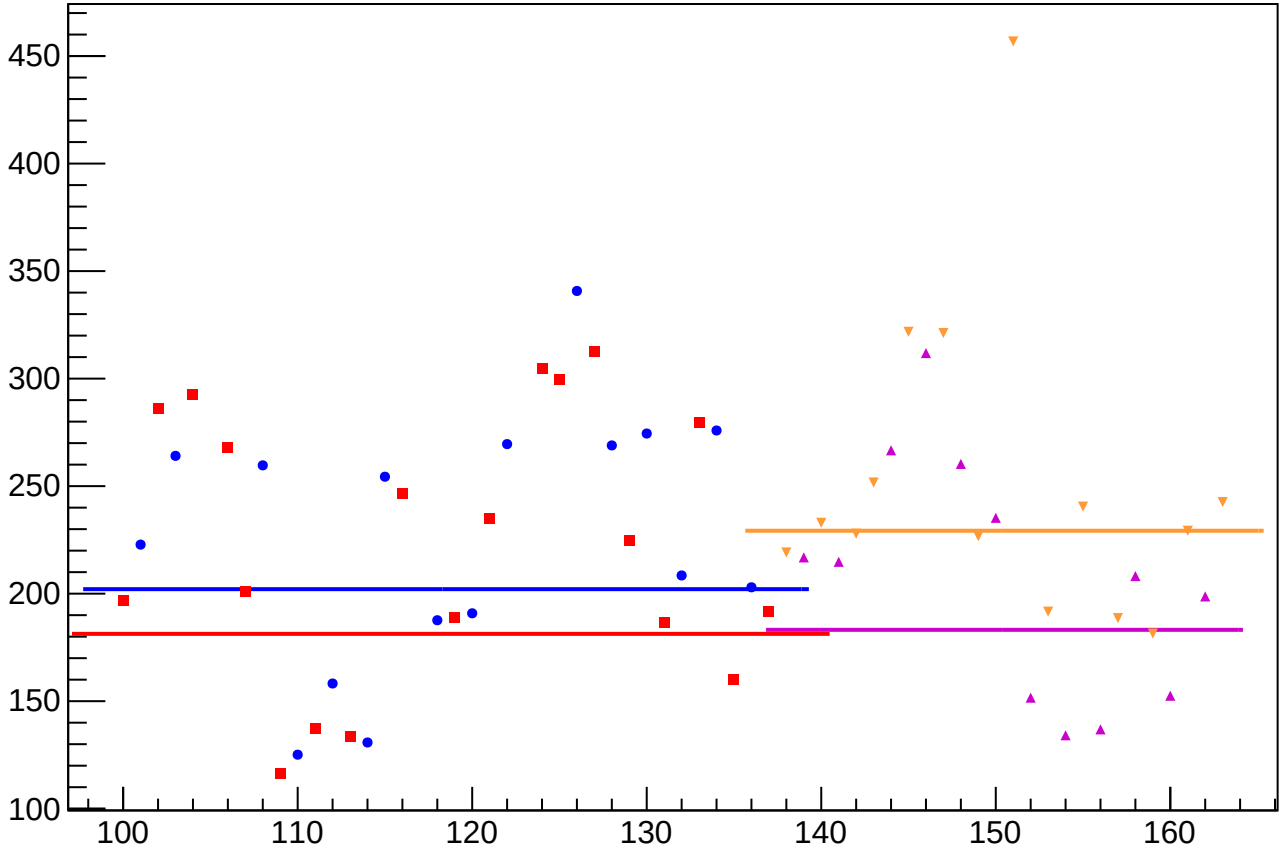
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 85.863+/-48.158 χ^2/NDF:25.3/27

Out: 39.162+/-50.364 χ^2/NDF:28.3/32

All: 63.558+/-34.807 χ^2/NDF: 54.1/60

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 229.263+/-0.050 χ^2/NDF:930569.4/13

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 183.184+/-0.043 χ^2/NDF:1327966.8/11

Left: 202.616+/-0.033 χ^2/NDF: 2743736.7/25

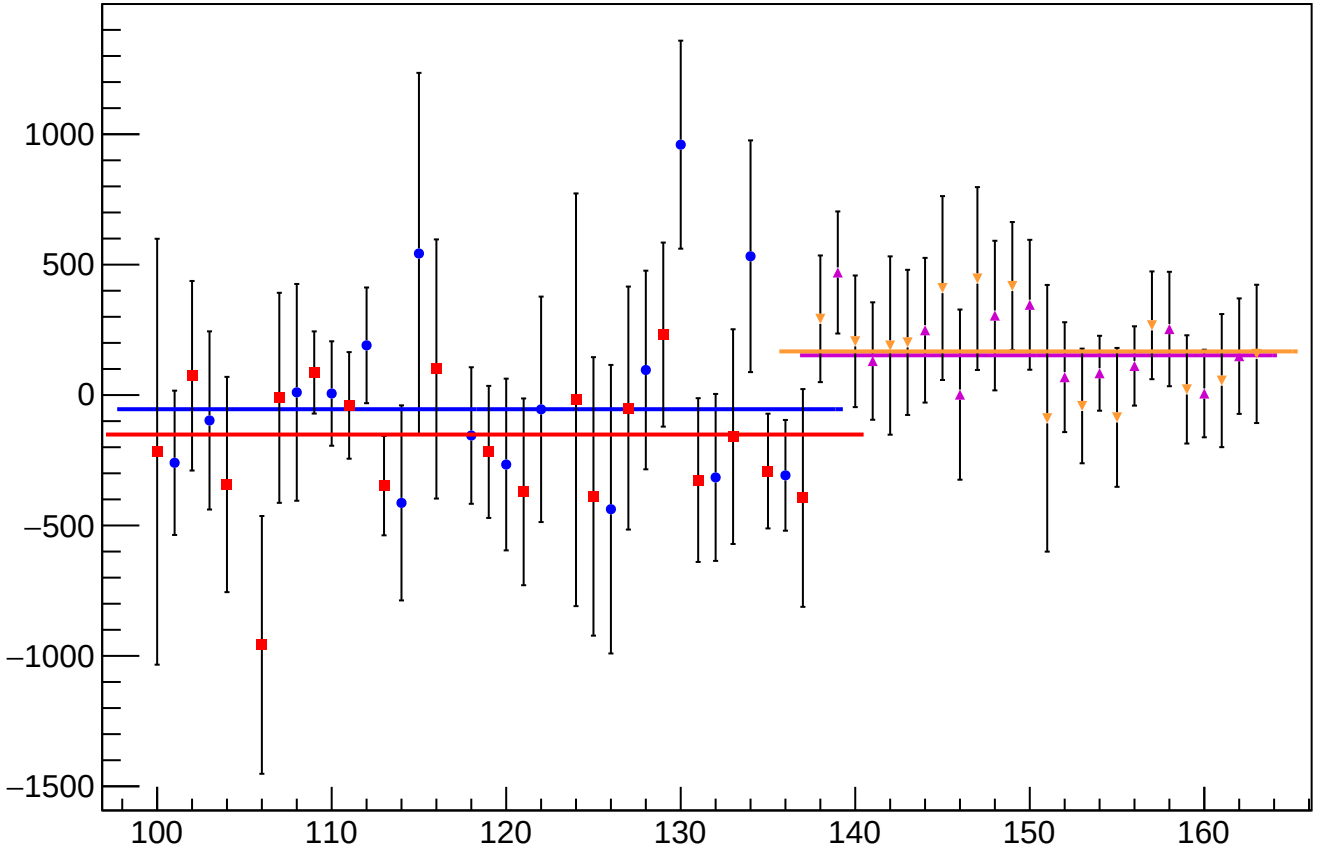
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.210+/-0.034 χ^2/NDF:2310210.2/27

Out: 205.344+/-0.036 χ^2/NDF:2824783.4/32

All: 197.438+/-0.025 χ^2/NDF: 5229322.4/60

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 167.347+/-70.388 χ^2/NDF:5.4/13

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 152.465+/-59.798 χ^2/NDF:4.5/11

Left: 158.703+/-45.573 χ^2/NDF: 10.0/25

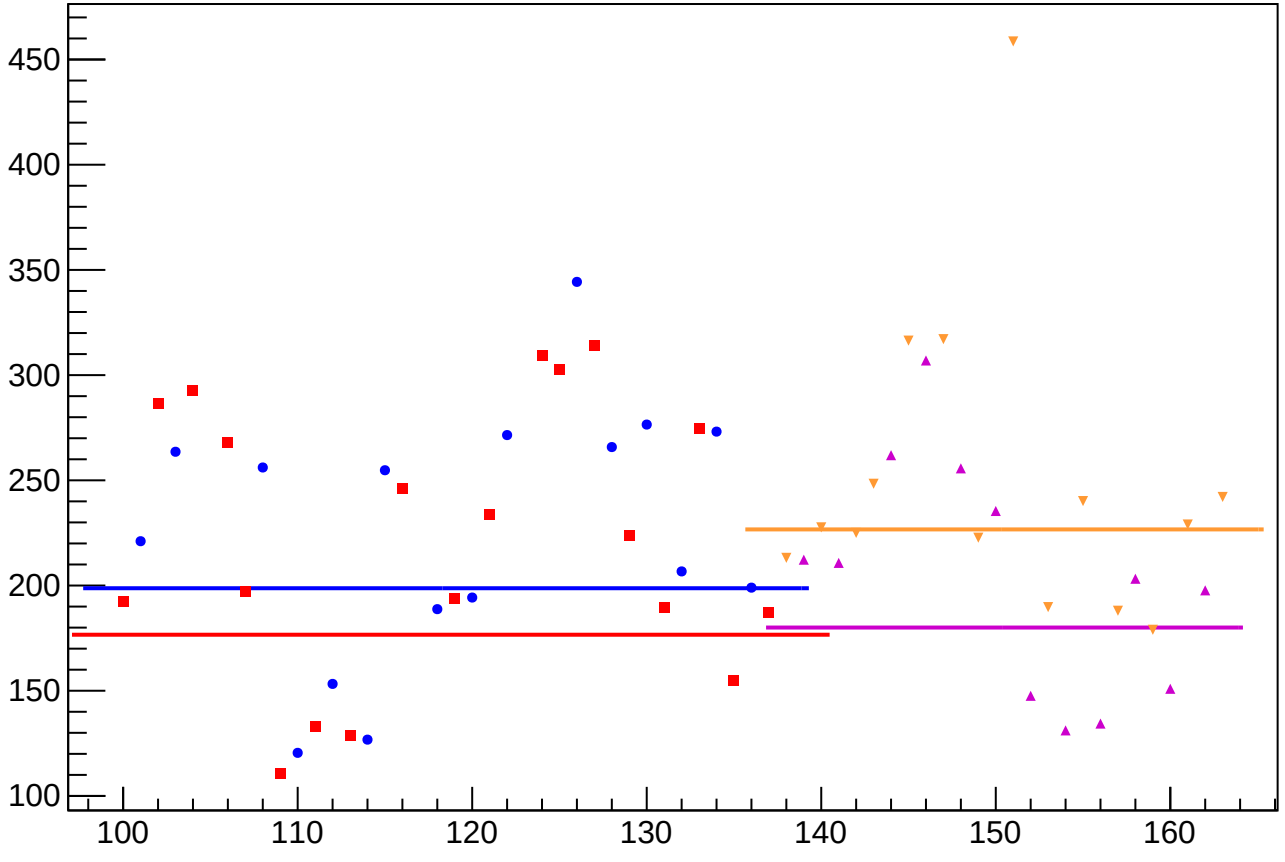
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 75.877+/-47.444 χ^2/NDF:24.0/27

Out: 6.889+/-49.599 χ^2/NDF:26.0/32

All: 42.914+/-34.285 χ^2/NDF: 51.0/60

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 226.673+/-0.050 χ^2/NDF:937332.6/13

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 180.034+/-0.042 χ^2/NDF:1345285.4/11

Left: 199.585+/-0.032 χ^2/NDF: 2792615.0/25

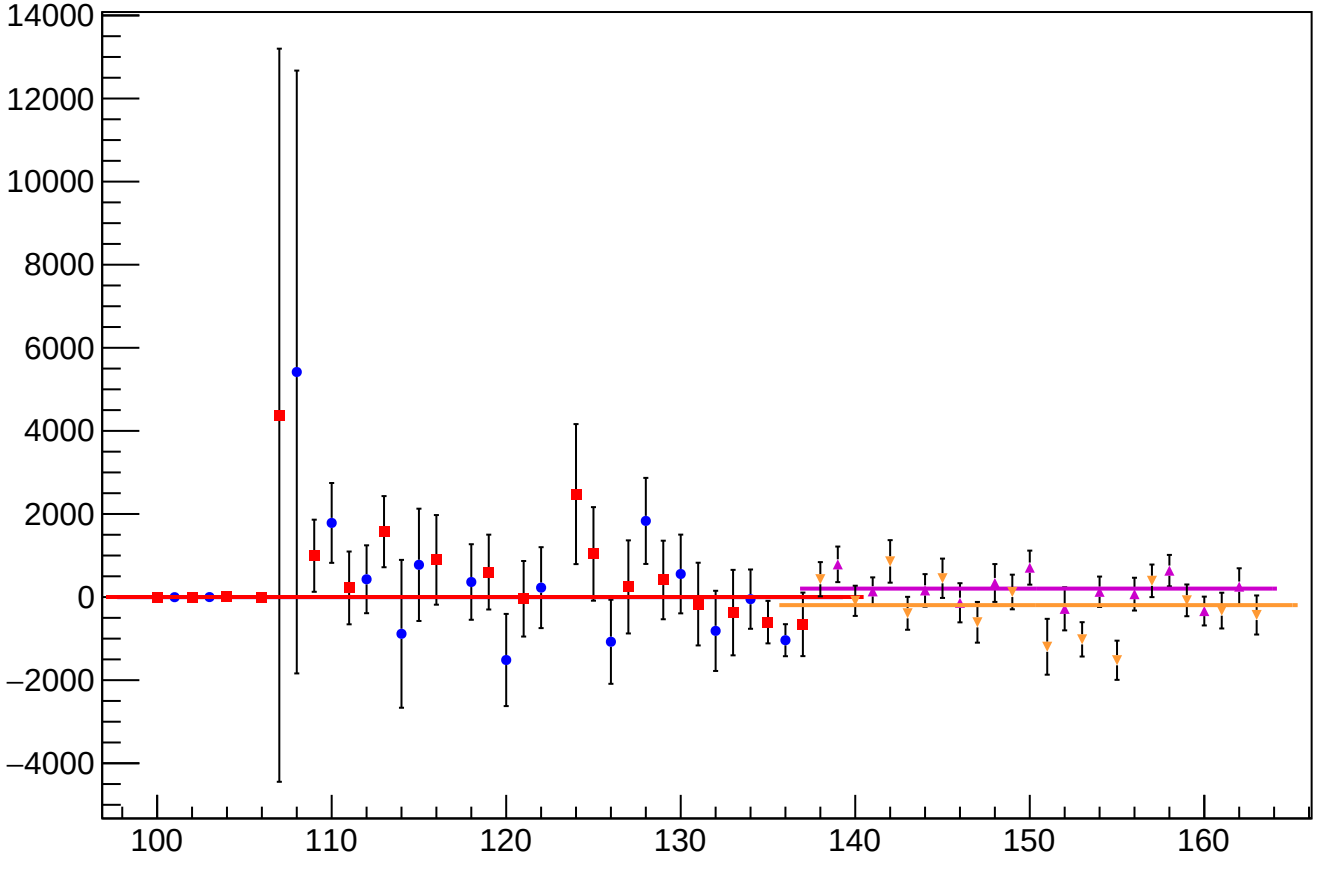
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 186.957+/-0.034 χ^2/NDF:2411696.3/27

Out: 201.474+/-0.035 χ^2/NDF:3042189.7/32

All: 193.893+/-0.024 χ^2/NDF: 5543356.2/60

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -193.871+/-116.360 χ^2/NDF:26.8/13

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 203.696+/-116.137 χ^2/NDF:8.8/11

Left: 5.295+/-82.200 χ^2/NDF: 41.4/25

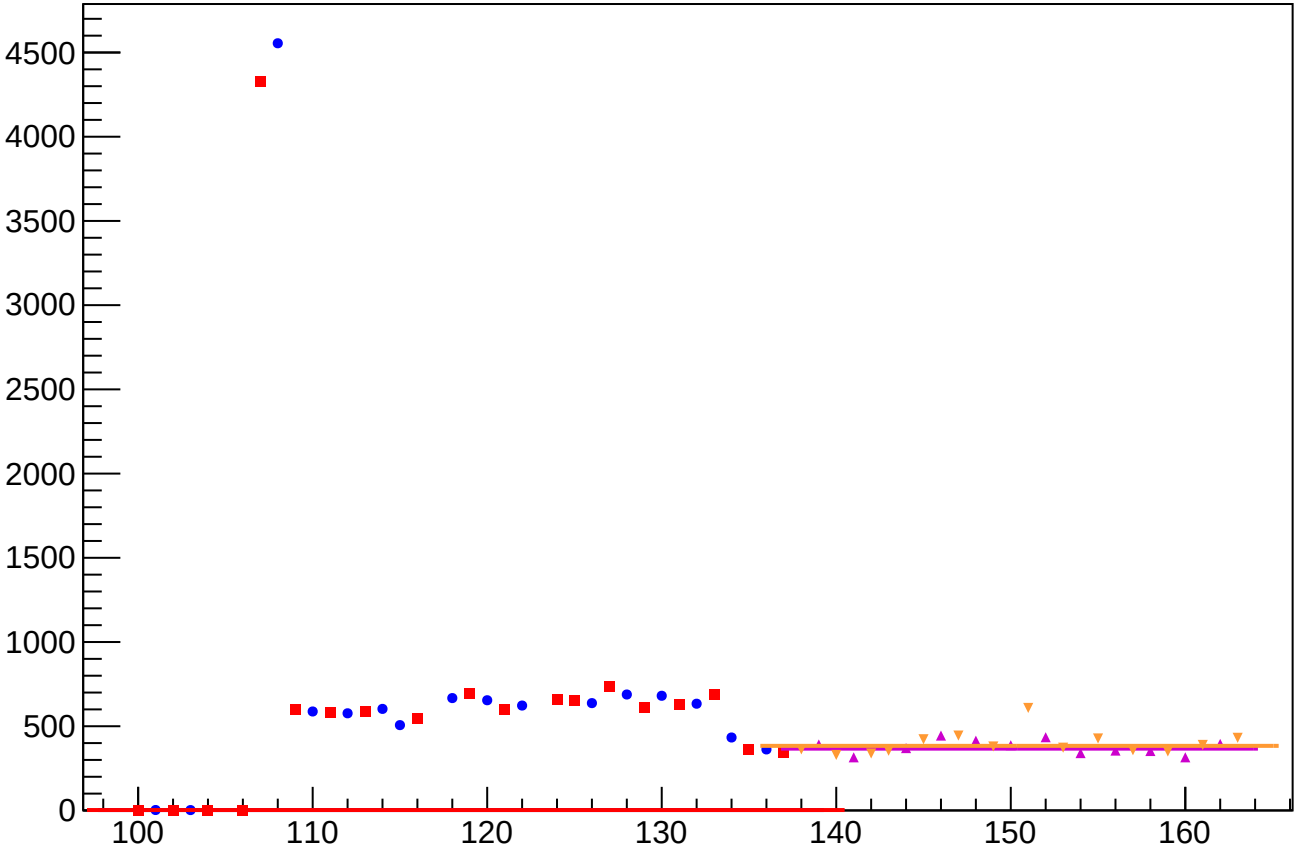
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.167+/-2.170 χ^2/NDF:31.8/27

Out: 1.318+/-2.022 χ^2/NDF:46.4/32

All: 0.163+/-1.479 χ^2/NDF: 79.0/60

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 383.543+/-0.082 χ^2/NDF:408447.5/13

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 367.010+/-0.082 χ^2/NDF:235638.6/11

Left: 375.260+/-0.058 χ^2/NDF: 664311.9/25

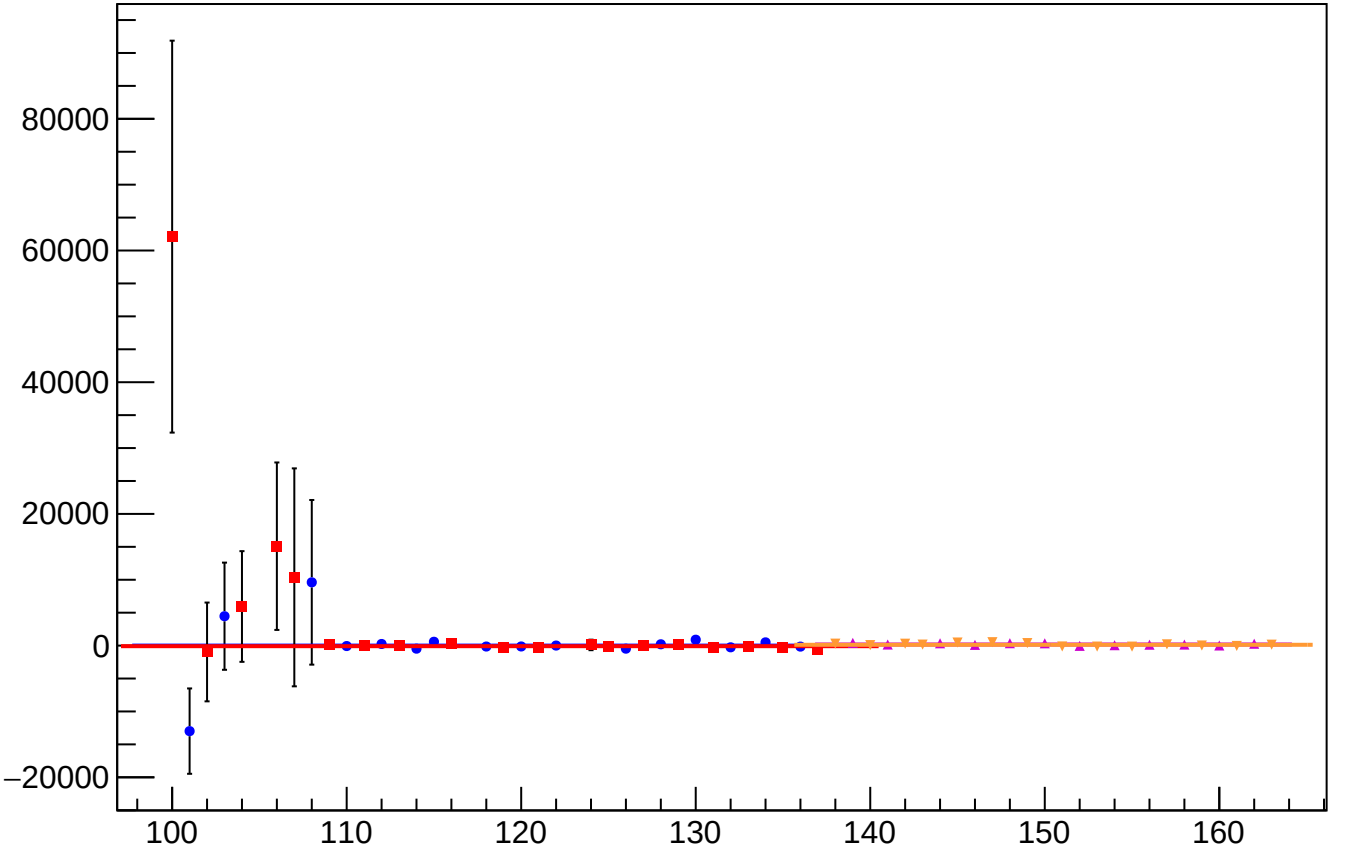
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.604+/-0.002 χ^2/NDF:31559358.8/27

Out: 2.577+/-0.001 χ^2/NDF:33398706.0/32

All: 2.590+/-0.001 χ^2/NDF: 64958227.7/60

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 123.981+/-74.330 χ^2/NDF:6.9/13

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 168.466+/-64.325 χ^2/NDF:4.6/11

Left: 149.416+/-48.640 χ^2/NDF: 11.7/25

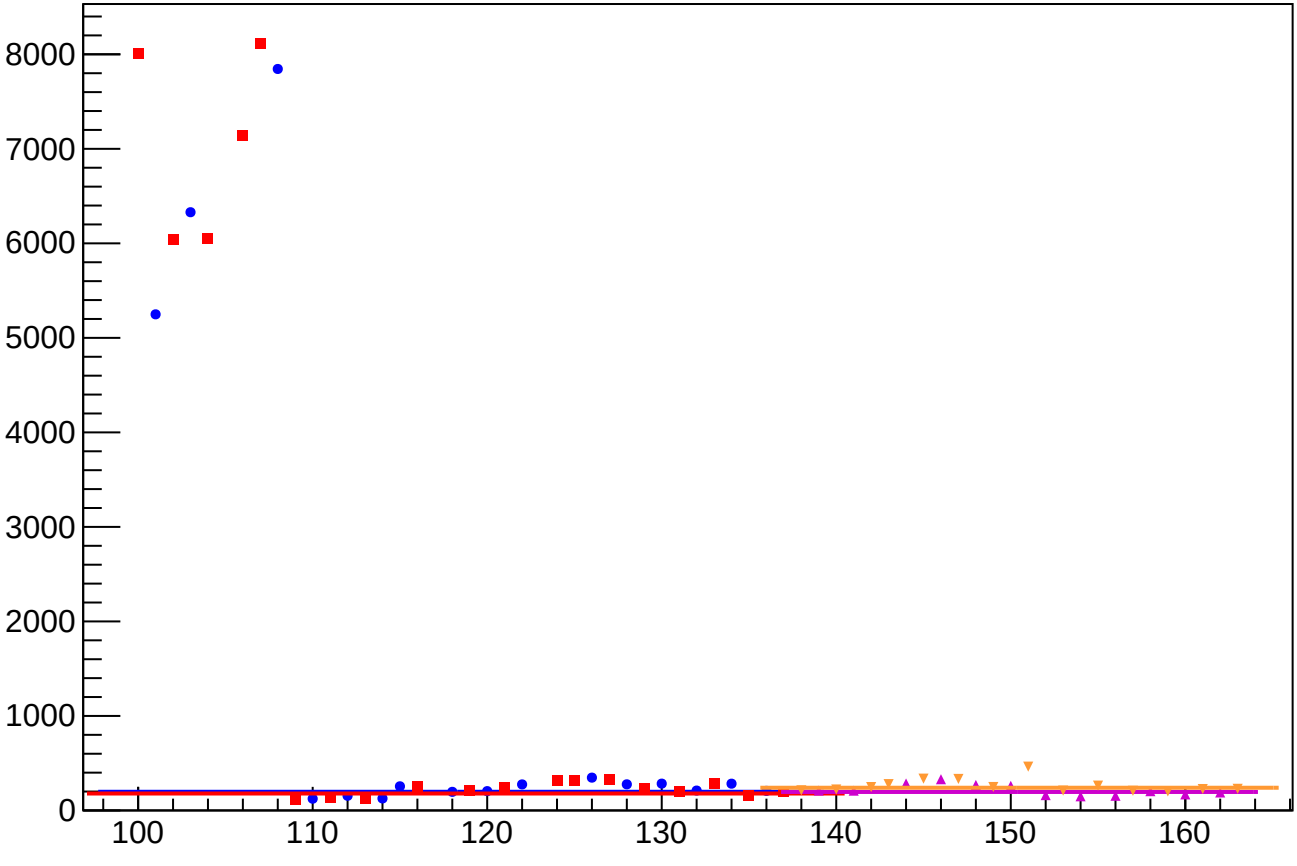
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 109.846+/-51.894 χ^2/NDF:23.8/27

Out: 27.818+/-54.952 χ^2/NDF:25.4/32

All: 71.177+/-37.729 χ^2/NDF: 50.4/60

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 240.317+/-0.053 χ^2/NDF:854991.3/13

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 195.570+/-0.045 χ^2/NDF:1064299.7/11

Left: 214.731+/-0.034 χ^2/NDF: 2333732.9/25

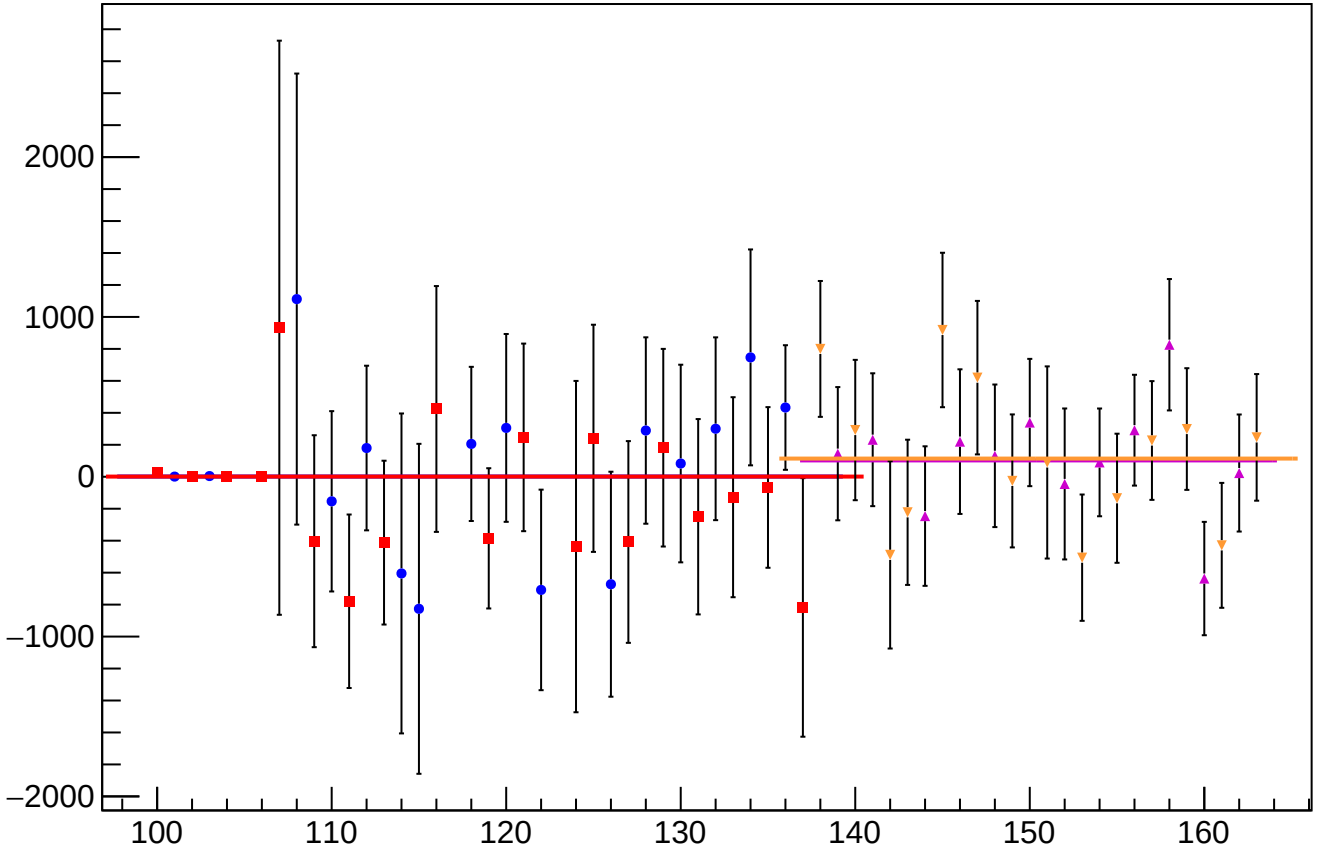
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.285+/-0.037 χ^2/NDF:5022201.5/27

Out: 212.626+/-0.039 χ^2/NDF:5885543.2/32

All: 203.989+/-0.027 χ^2/NDF: 11001226.9/60

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 113.749+/-115.283 χ^2/NDF:13.6/13

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 102.259+/-114.756 χ^2/NDF:9.1/11

Left: 107.978+/-81.330 χ^2/NDF: 22.6/25

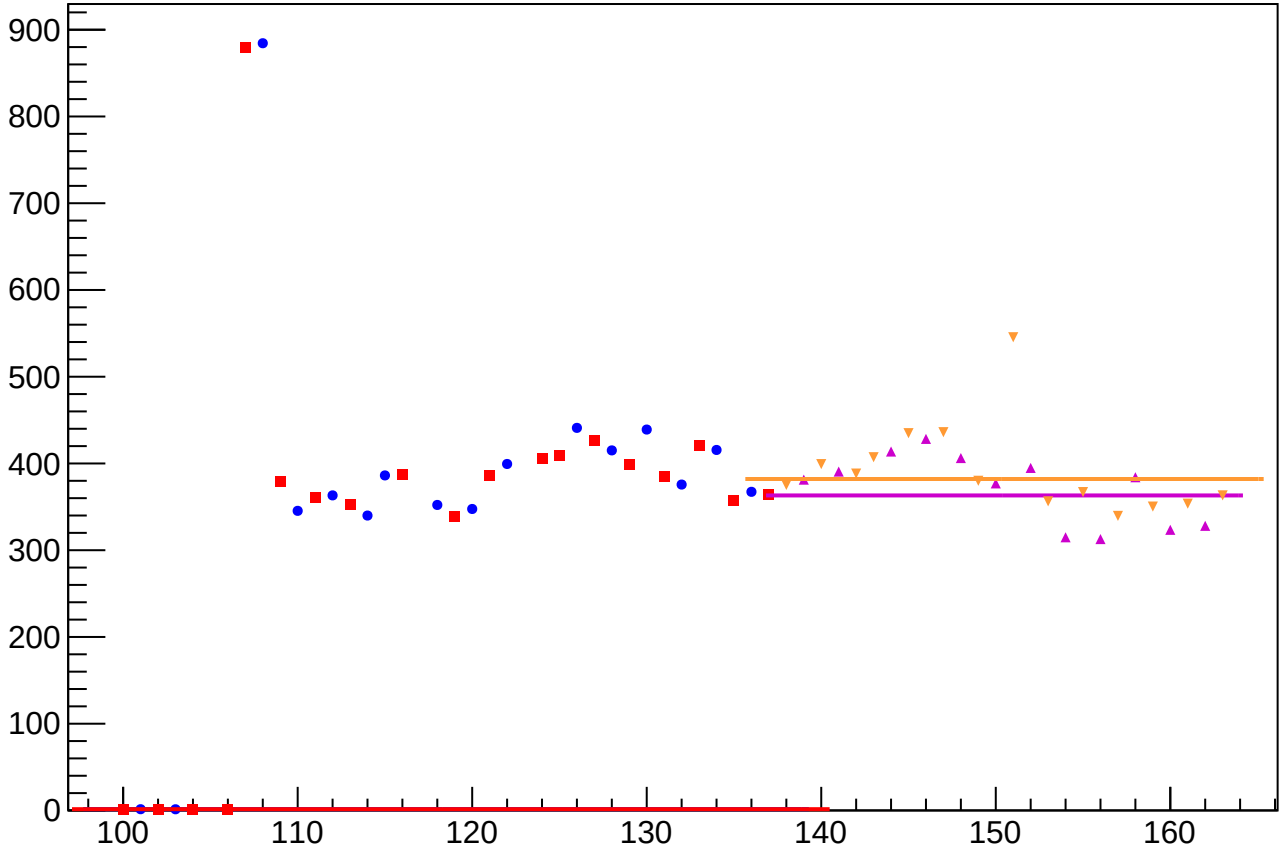
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.477+/-1.660 χ^2/NDF:17.7/27

Out: 1.113+/-1.528 χ^2/NDF:23.7/32

All: 1.280+/-1.124 χ^2/NDF: 41.4/60

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 382.094+/-0.082 χ^2/NDF:273444.9/13

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 363.145+/-0.081 χ^2/NDF:242620.6/11

Left: 372.576+/-0.058 χ^2/NDF: 543208.4/25

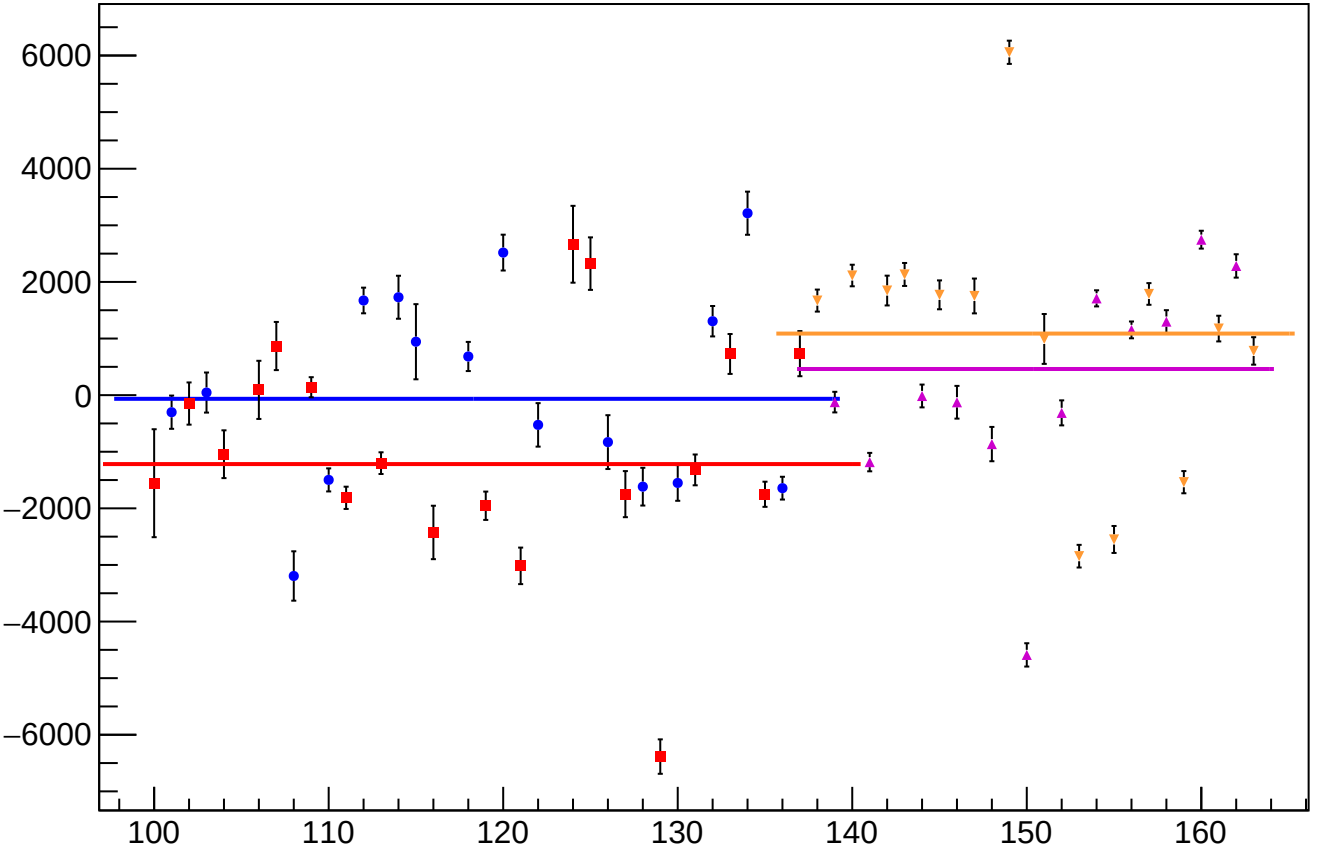
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.546+/-0.001 χ^2/NDF:31839973.0/27

Out: 1.534+/-0.001 χ^2/NDF:33342176.6/32

All: 1.539+/-0.001 χ^2/NDF: 65182205.1/60

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1087.695+/-59.790 χ^2/NDF:1485.2/13

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 461.941+/-54.057 χ^2/NDF:1157.8/11

Left: 743.387+/-40.098 χ^2/NDF: 2703.3/25

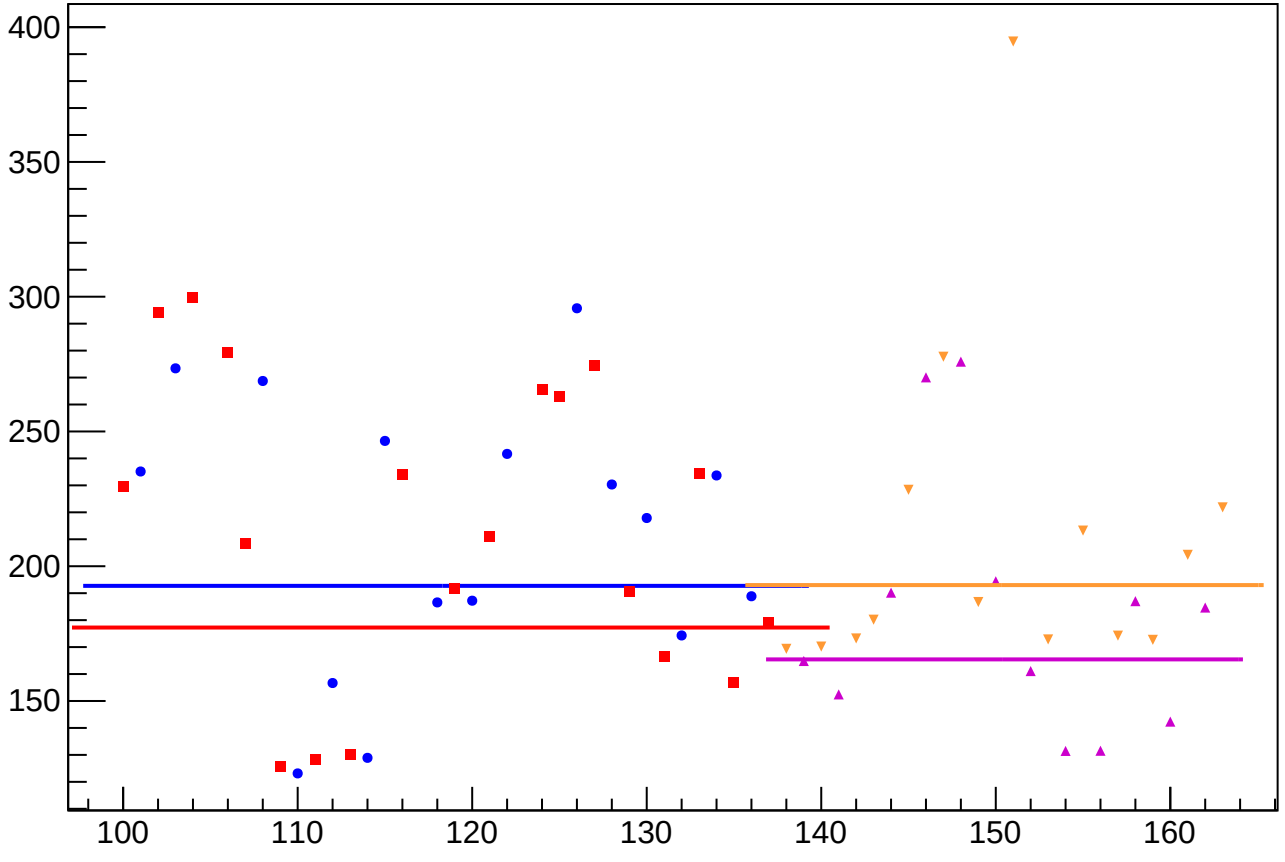
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 281.455+/-43.832 χ^2/NDF:1659.8/27

Out: 99.318+/-45.192 χ^2/NDF:2717.2/32

All: 193.168+/-31.464 χ^2/NDF: 4385.4/60

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.002+/-0.042 χ^2/NDF:797230.3/13

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 165.433+/-0.038 χ^2/NDF:911671.7/11

Left: 177.833+/-0.028 χ^2/NDF: 1942866.2/25

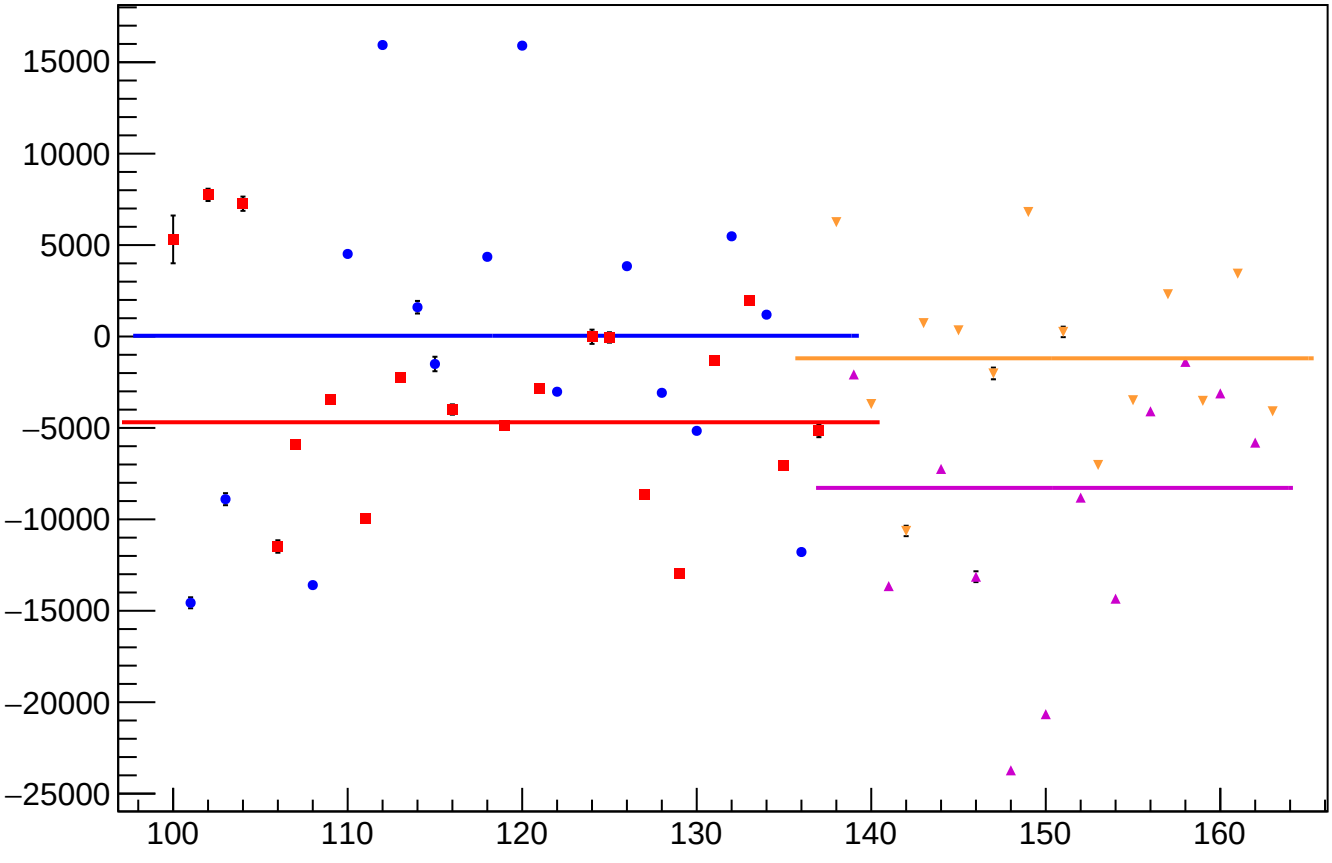
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 174.779+/-0.031 χ^2/NDF:1845357.7/27

Out: 186.250+/-0.032 χ^2/NDF:2082908.8/32

All: 180.339+/-0.022 χ^2/NDF: 3994657.6/60

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8279.605+/-54.670 χ^2/NDF:14380.4/11

Left: -4547.845+/-37.617 χ^2/NDF: 30899.5/25

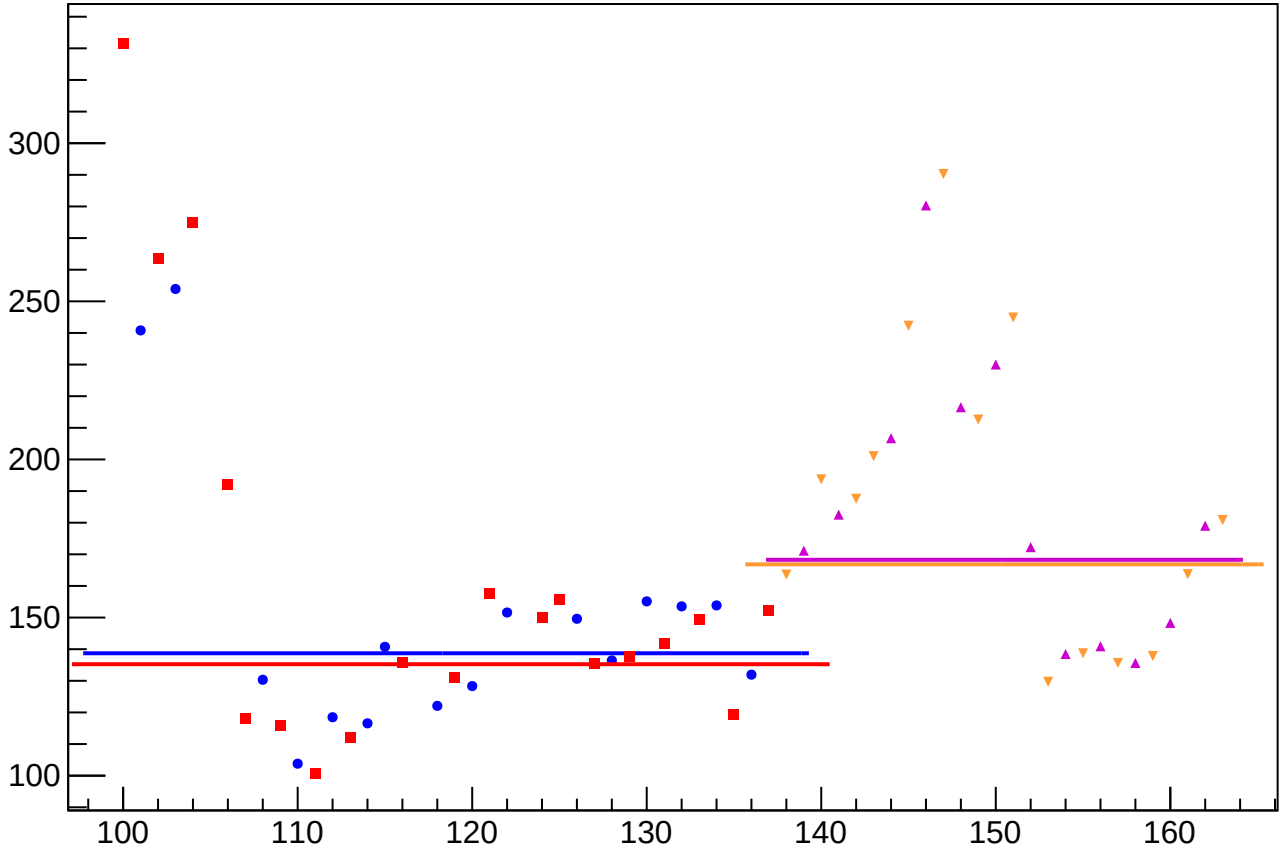
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4083.357+/-38.490 χ^2/NDF:56848.8/27

Out: -2932.496+/-36.746 χ^2/NDF:17730.3/32

All: -3481.267+/-26.578 χ^2/NDF: 75046.8/60

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.274+/-0.039 χ^2/NDF:840197.2/11

Left: 167.509+/-0.027 χ^2/NDF: 1977908.1/25

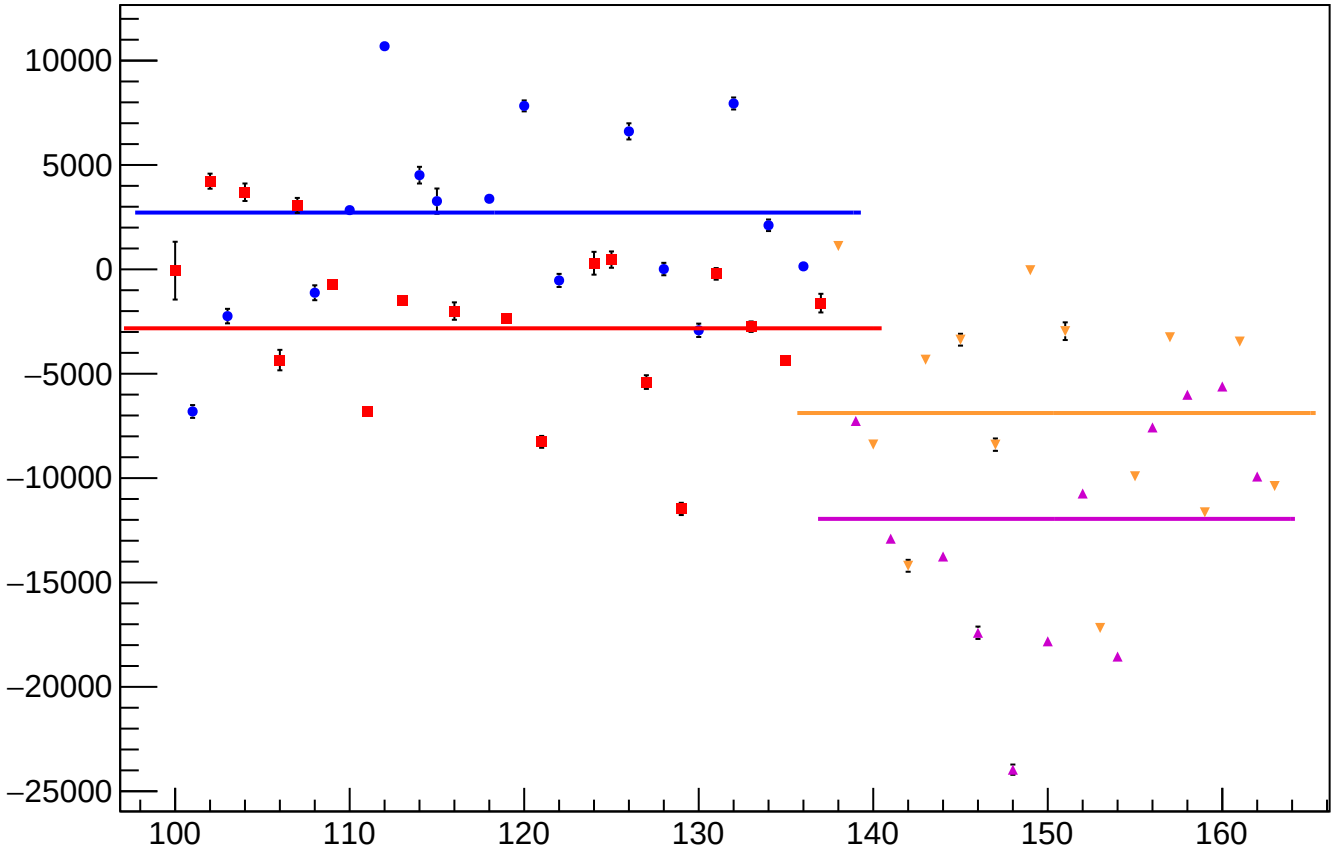
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 153.365+/-0.027 χ^2/NDF:1792914.9/27

Out: 151.111+/-0.026 χ^2/NDF:2396198.2/32

All: 152.186+/-0.019 χ^2/NDF: 4192701.0/60

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11952.795+/-57.005 χ^2/NDF:9124.0/11

Left: -9610.757+/-41.819 χ^2/NDF: 20640.1/25

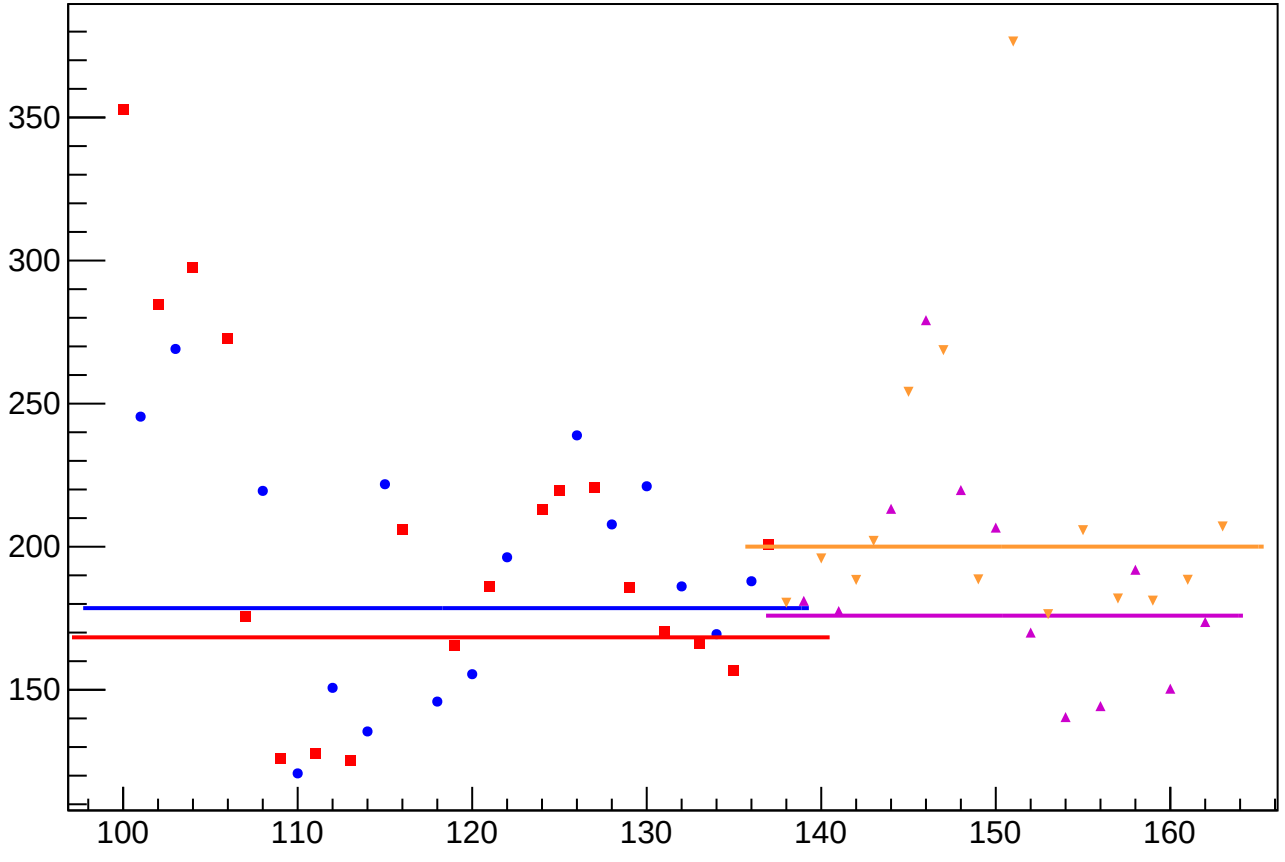
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6025.958+/-44.011 χ^2/NDF:40014.8/27

Out: -4958.943+/-44.638 χ^2/NDF:12984.1/32

All: -5500.006+/-31.340 χ^2/NDF: 53288.7/60

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 175.912+/-0.040 χ^2/NDF:647707.3/11

Left: 187.053+/-0.030 χ^2/NDF: 1438399.9/25

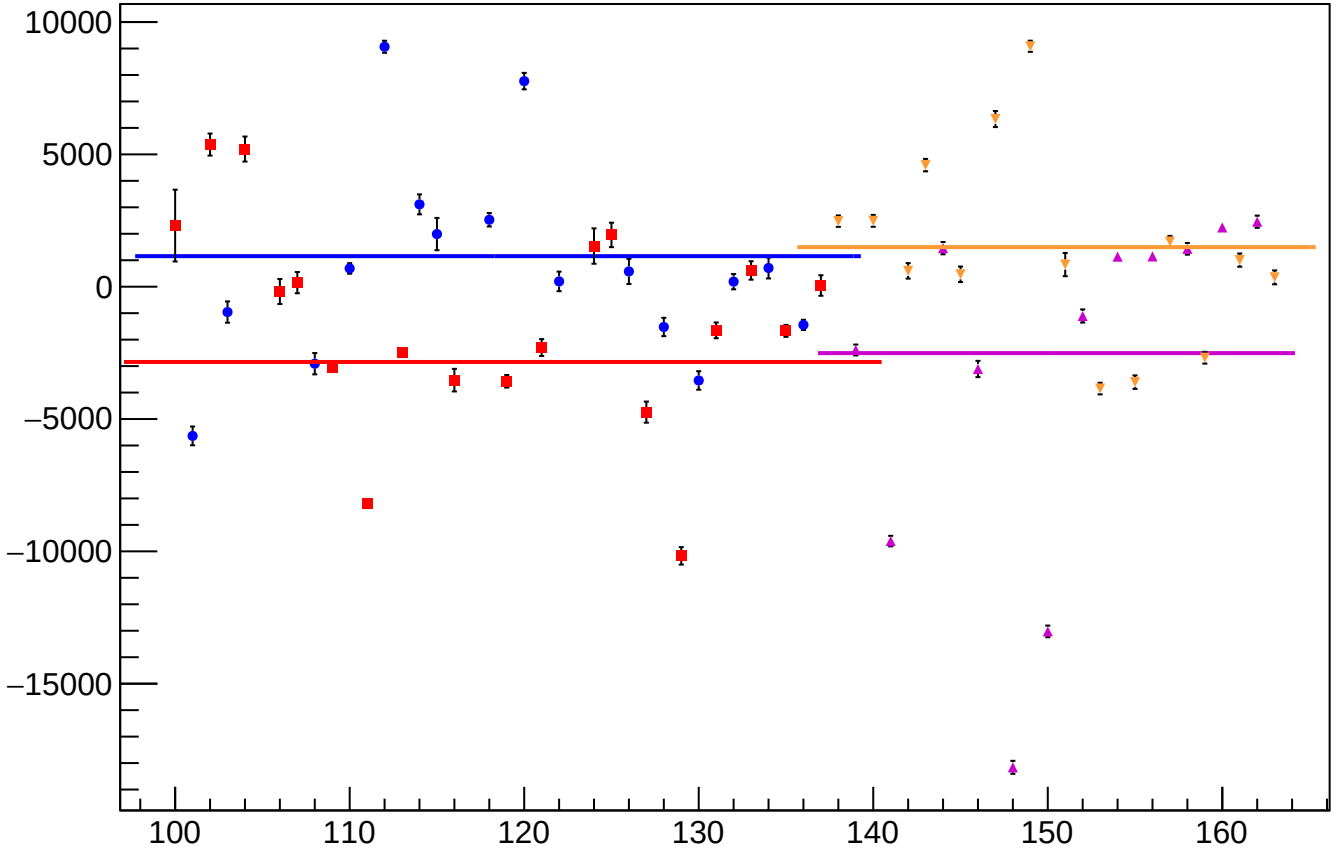
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 176.974+/-0.031 χ^2/NDF:1323991.4/27

Out: 185.015+/-0.032 χ^2/NDF:1856246.5/32

All: 180.938+/-0.022 χ^2/NDF: 3213150.4/60

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2509.475+/-61.010 χ^2/NDF:10305.1/11

Left: -664.834+/-44.807 χ^2/NDF: 15446.3/25

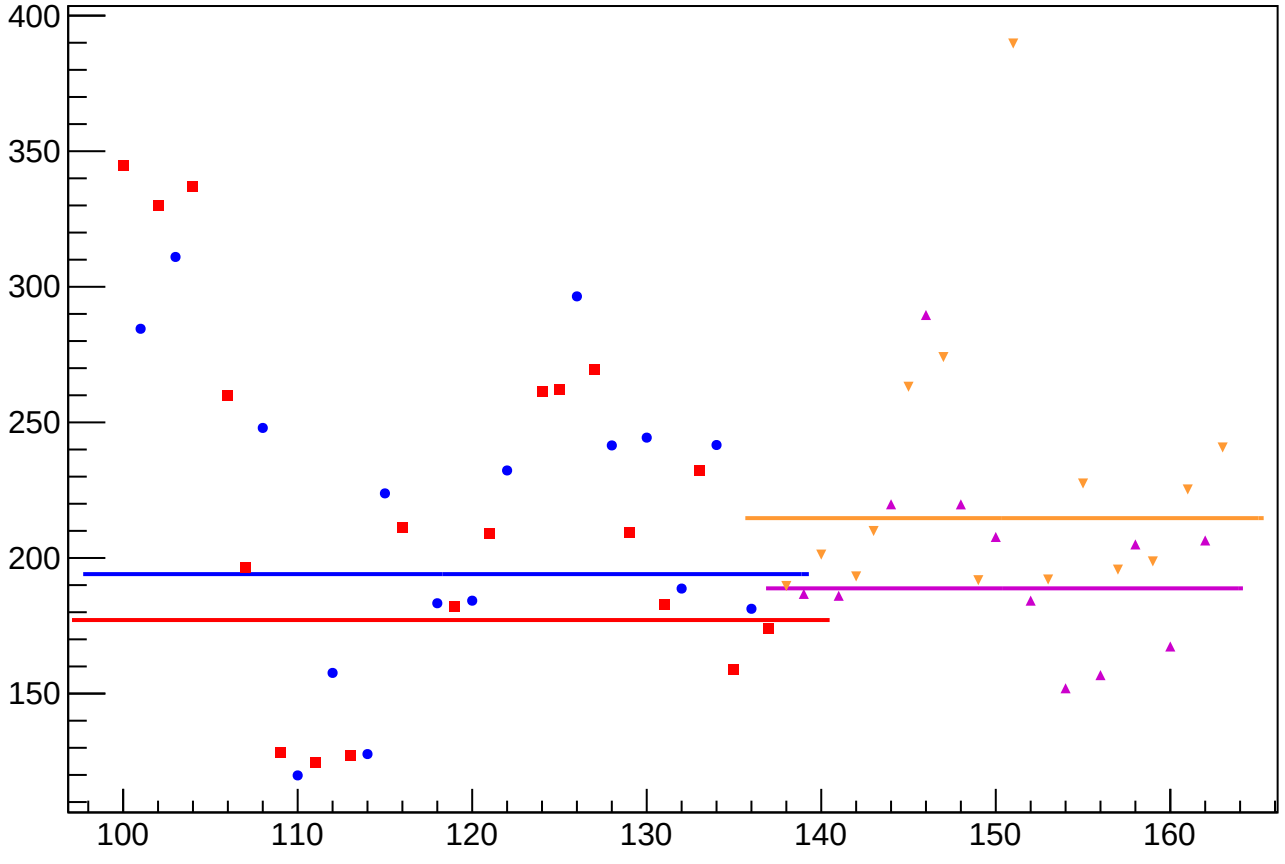
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1072.886+/-47.566 χ^2/NDF:14374.3/27

Out: -574.271+/-47.747 χ^2/NDF:7669.9/32

All: -824.527+/-33.698 χ^2/NDF: 22099.0/60

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 188.802+/-0.043 χ^2/NDF:512568.4/11

Left: 200.729+/-0.032 χ^2/NDF: 1271099.9/25

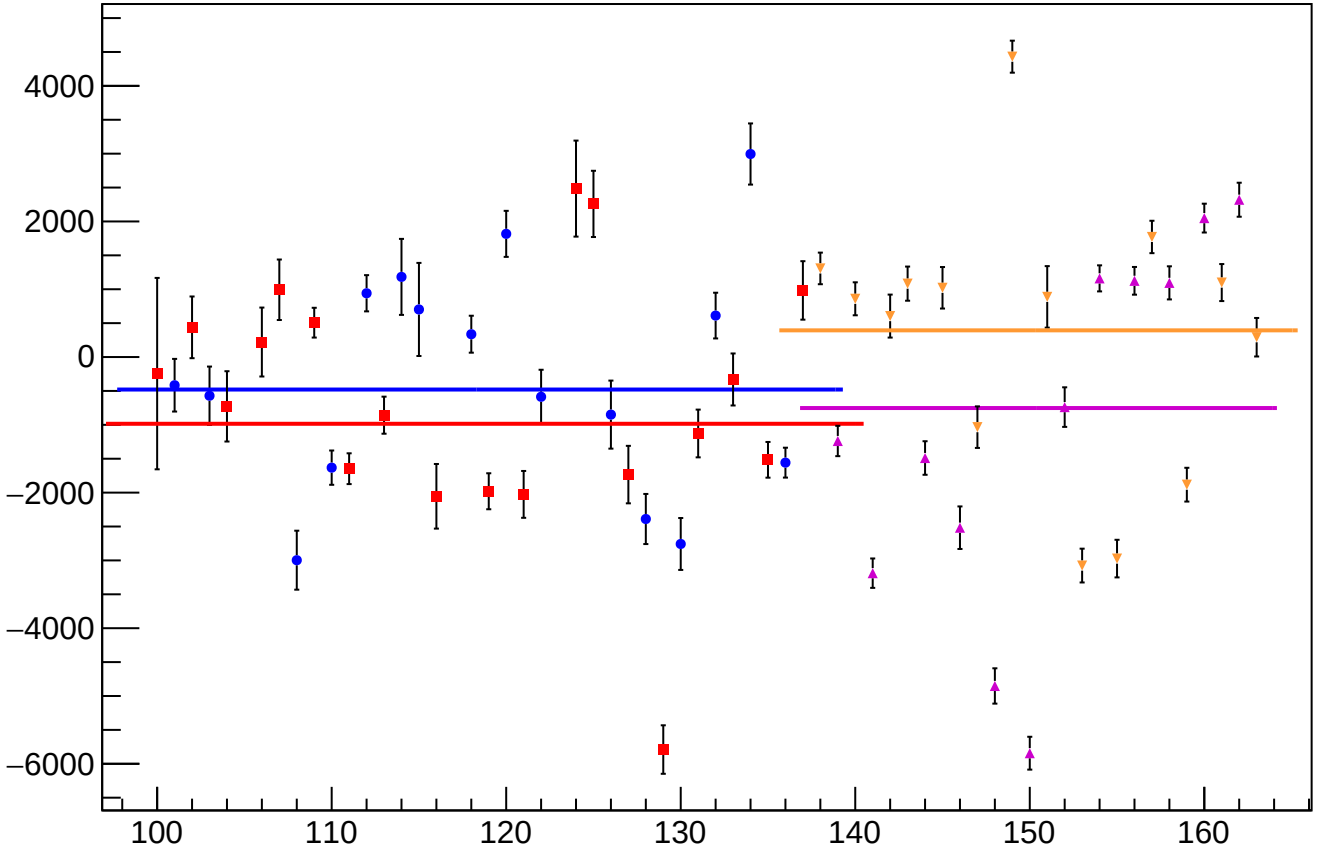
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 190.861+/-0.034 χ^2/NDF:1484163.7/27

Out: 196.772+/-0.034 χ^2/NDF:2261013.9/32

All: 193.805+/-0.024 χ^2/NDF: 3760560.1/60

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -752.308+/-67.884 χ^2/NDF:1424.7/11

Left: -211.891+/-49.347 χ^2/NDF: 2370.0/25

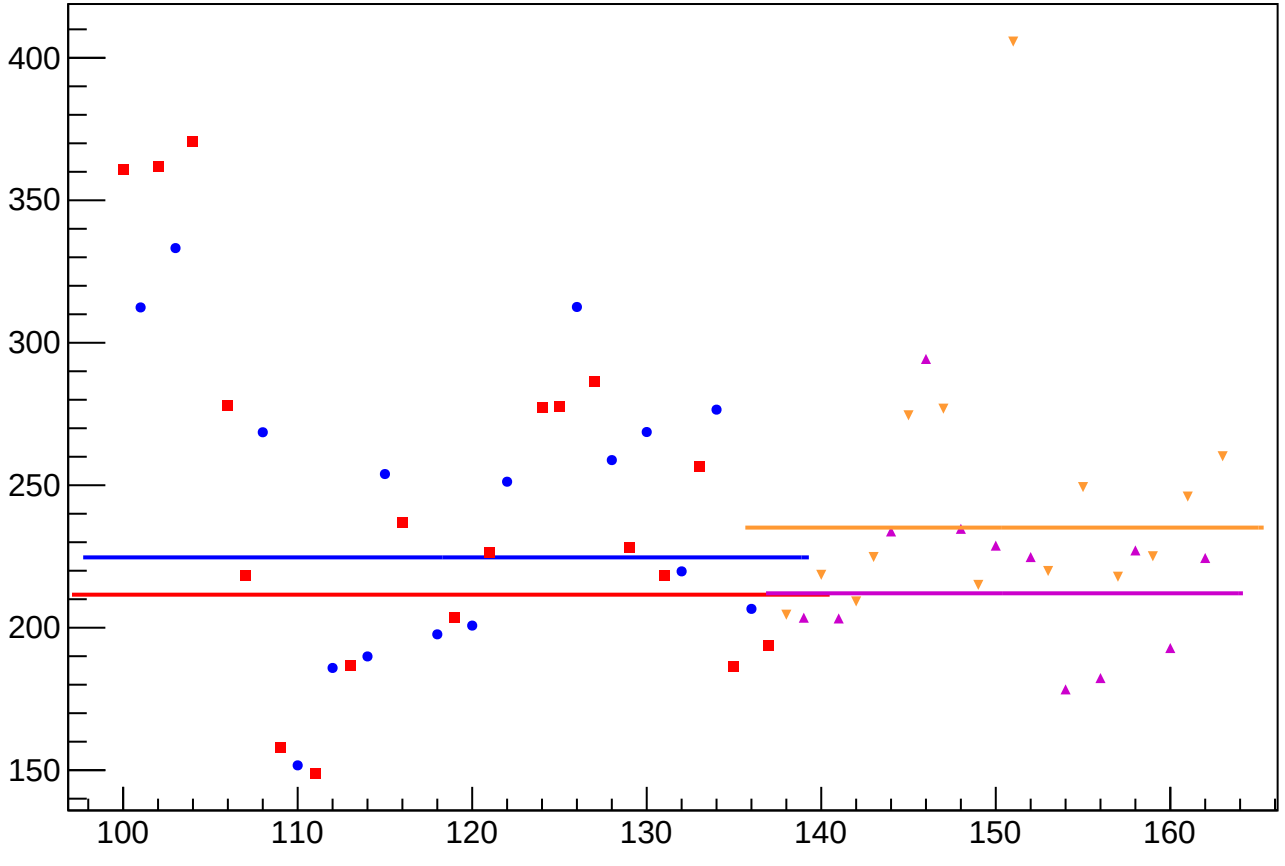
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -648.528+/-53.446 χ^2/NDF:1736.3/27

Out: -213.751+/-53.739 χ^2/NDF:1371.2/32

All: -432.329+/-37.895 χ^2/NDF: 3140.4/60

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.074+/-0.048 χ^2/NDF:320149.6/11

Left: 222.949+/-0.035 χ^2/NDF: 901799.9/25

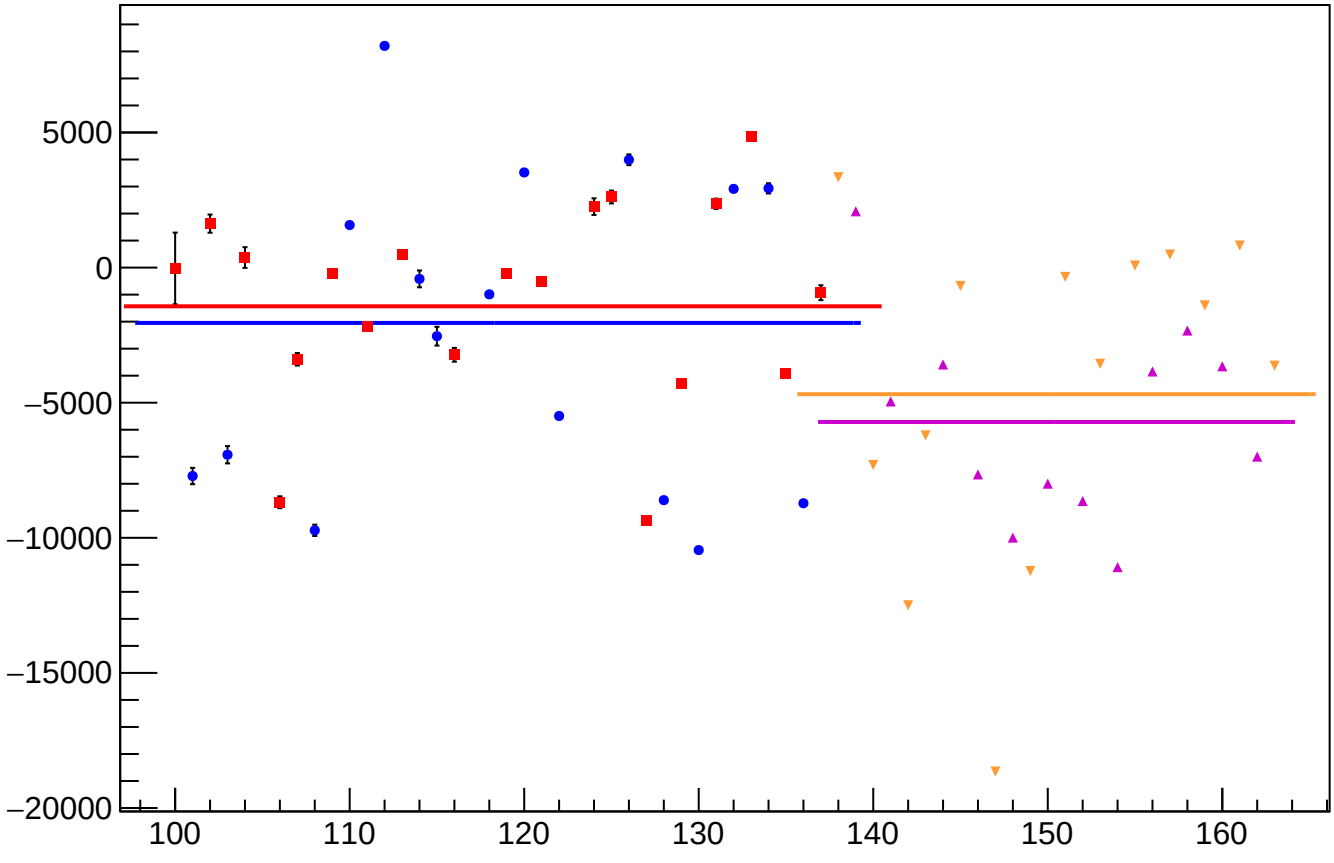
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 216.867+/-0.038 χ^2/NDF:999570.7/27

Out: 224.759+/-0.038 χ^2/NDF:1500307.2/32

All: 220.792+/-0.027 χ^2/NDF: 2521564.5/60

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5713.097+/-37.583 χ^2/NDF:9269.0/11

Left: -5176.925+/-25.993 χ^2/NDF: 39353.7/25

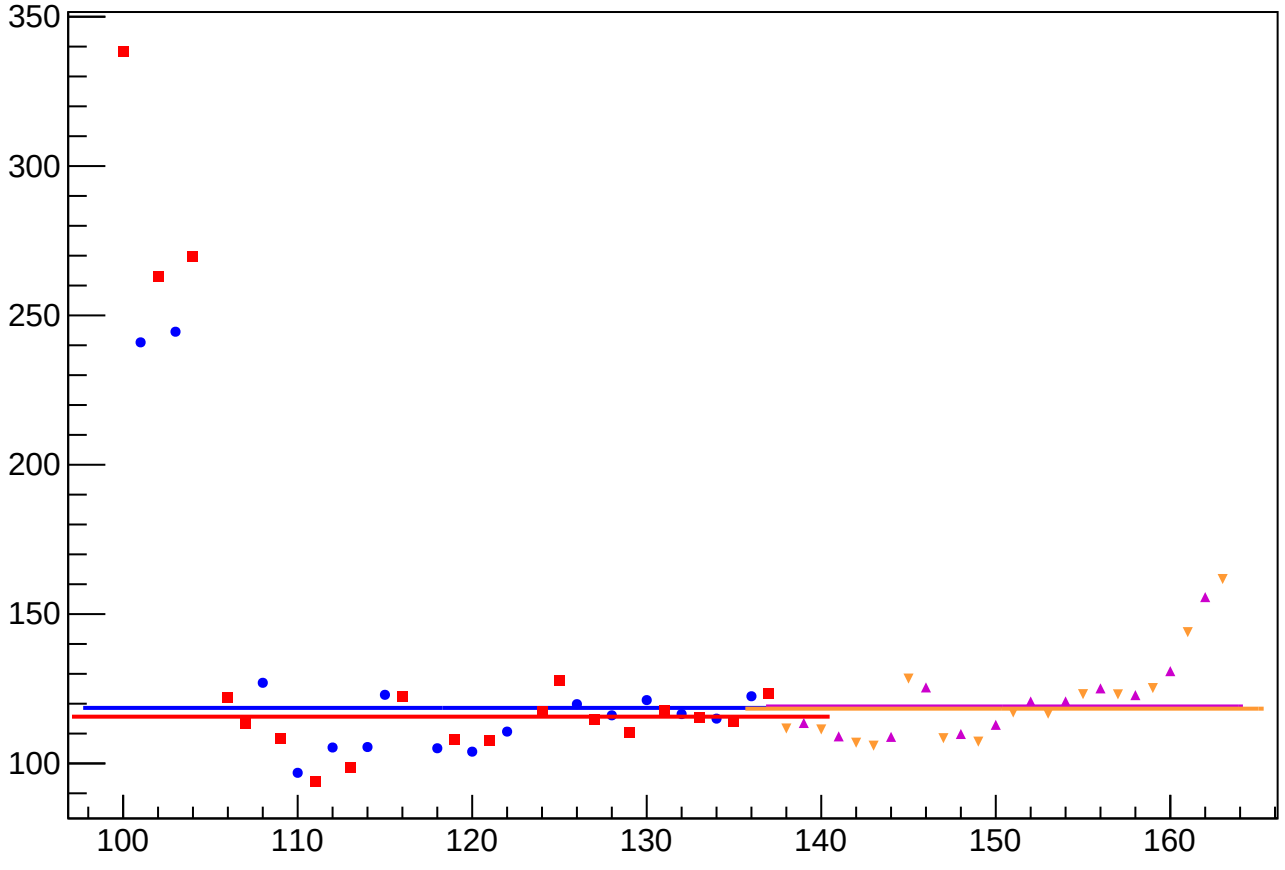
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4272.941+/-29.285 χ^2/NDF:29715.7/27

Out: -3407.257+/-28.039 χ^2/NDF:39292.0/32

All: -3821.297+/-20.253 χ^2/NDF: 69463.6/60

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 118.339+/-0.025 χ^2/NDF:265739.8/13

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 119.077+/-0.027 χ^2/NDF:162611.2/11

Left: 118.692+/-0.018 χ^2/NDF: 428753.7/25

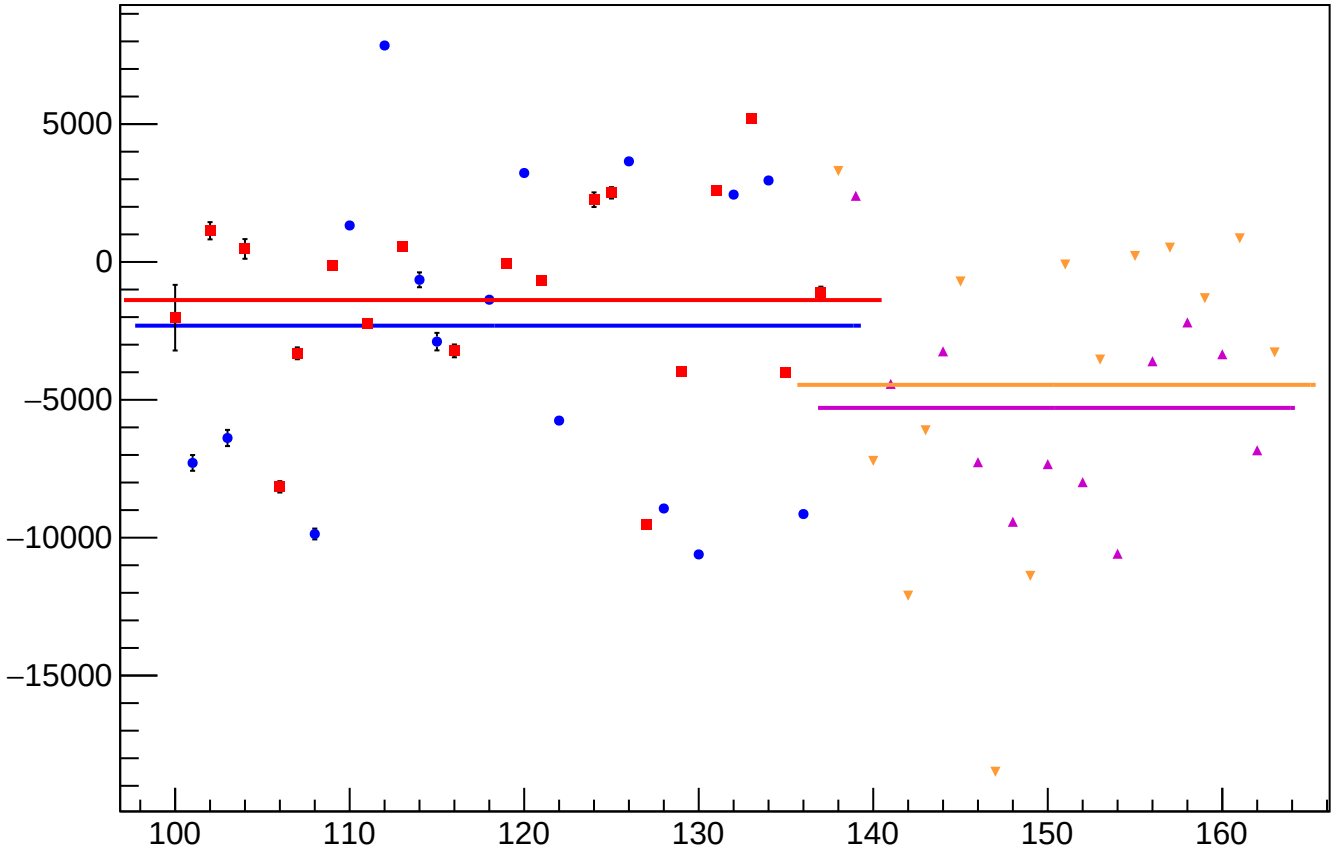
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 118.888+/-0.021 χ^2/NDF:896898.8/27

Out: 117.286+/-0.020 χ^2/NDF:1134301.8/32

All: 118.052+/-0.014 χ^2/NDF: 2034323.4/60

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4456.361+/-32.286 χ^2/NDF:35893.9/13

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5292.954+/-33.690 χ^2/NDF:11007.5/11

Left: -4856.855+/-23.310 χ^2/NDF: 47222.9/25

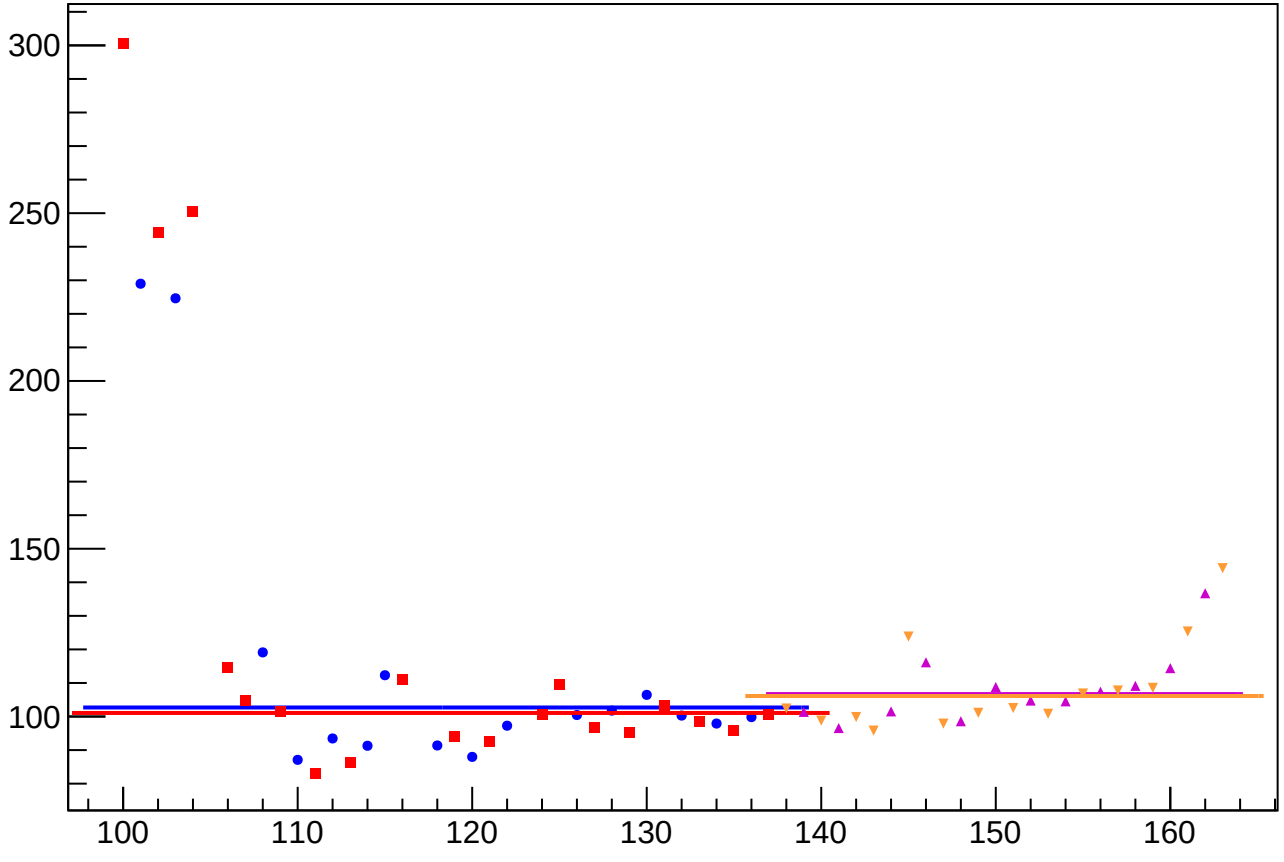
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4081.542+/-25.961 χ^2/NDF:35870.1/27

Out: -3219.205+/-24.958 χ^2/NDF:48121.4/32

All: -3633.381+/-17.992 χ^2/NDF: 84564.9/60

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 106.116+/-0.023 χ^2/NDF:242473.3/13

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 106.685+/-0.024 χ^2/NDF:137675.8/11

Left: 106.388+/-0.016 χ^2/NDF: 380447.3/25

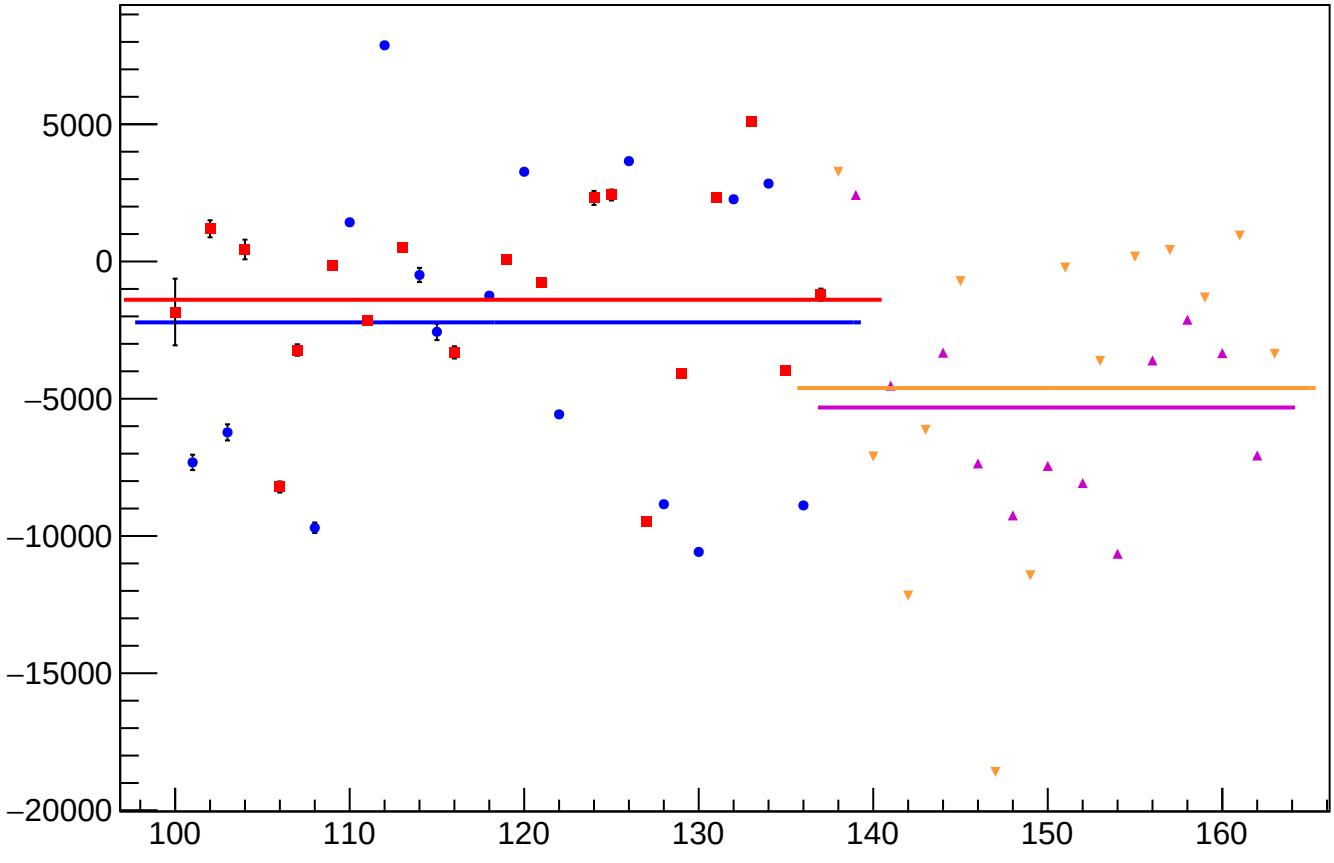
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 105.064+/-0.018 χ^2/NDF:974881.9/27

Out: 104.082+/-0.018 χ^2/NDF:1192641.7/32

All: 104.554+/-0.013 χ^2/NDF: 2169009.6/60

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4610.062+/-31.584 χ^2/NDF:38739.7/13

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5319.211+/-32.925 χ^2/NDF:11664.8/11

Left: -4949.909+/-22.793 χ^2/NDF: 50646.2/25

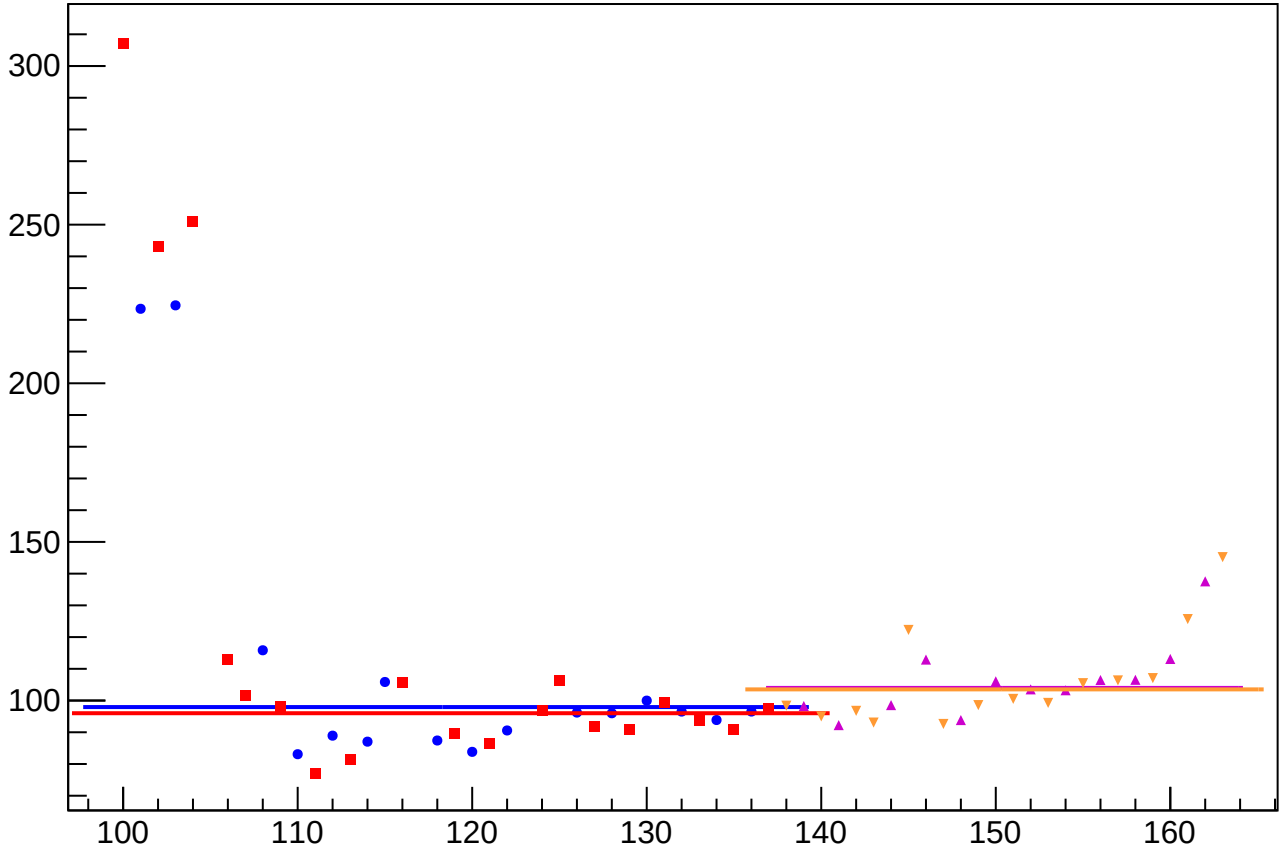
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4030.221+/-25.169 χ^2/NDF:38393.0/27

Out: -3278.548+/-24.179 χ^2/NDF:52185.1/32

All: -3639.314+/-17.436 χ^2/NDF: 91042.0/60

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 103.515+/-0.022 χ^2/NDF:299603.3/13

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 103.981+/-0.023 χ^2/NDF:176132.1/11

Left: 103.738+/-0.016 χ^2/NDF: 475944.1/25

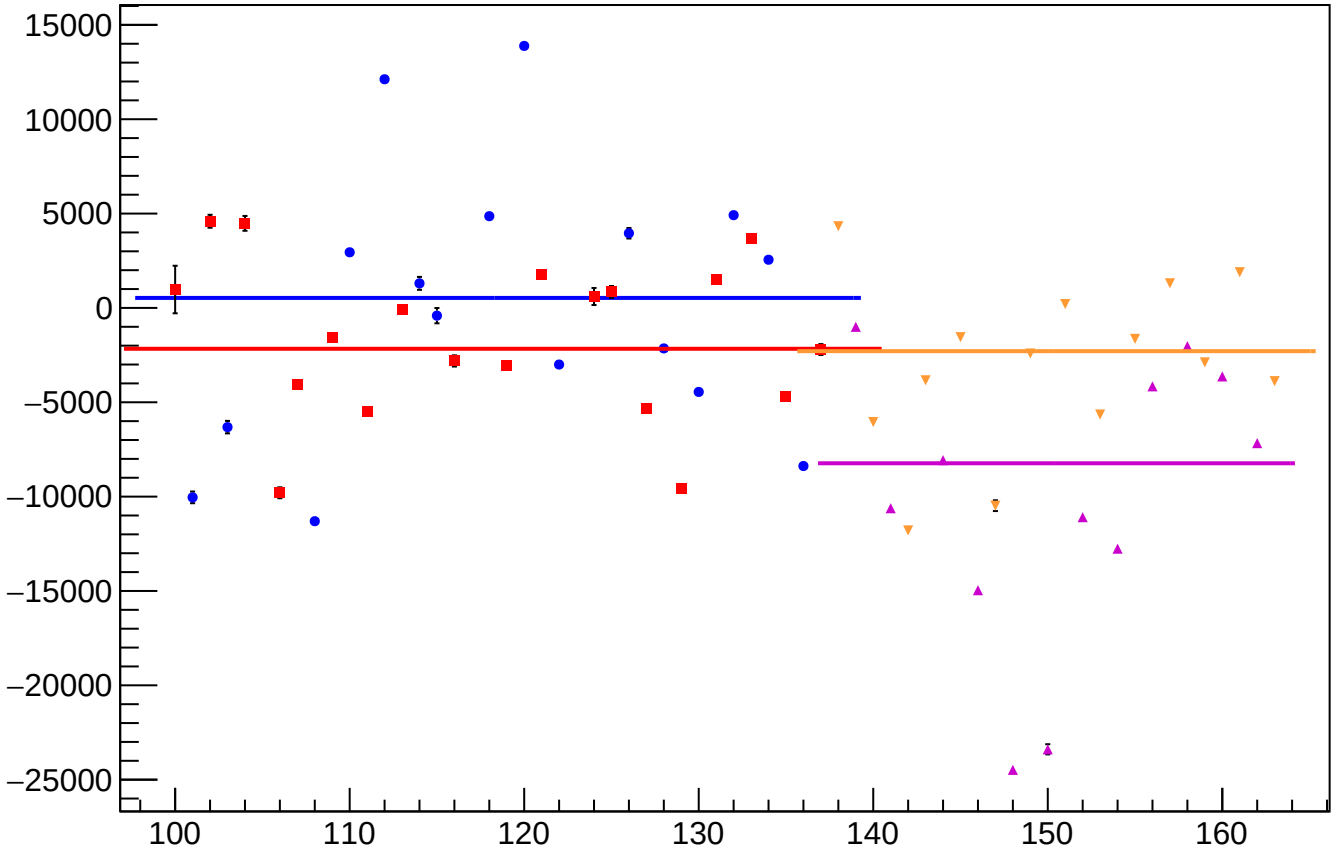
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 101.472+/-0.018 χ^2/NDF:1072232.4/27

Out: 100.406+/-0.017 χ^2/NDF:1358700.7/32

All: 100.917+/-0.012 χ^2/NDF: 2432797.6/60

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2291.444+/-46.673 χ^2/NDF:6948.3/13

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -8232.391+/-49.943 χ^2/NDF:14768.9/11

Left: -5061.063+/-34.100 χ^2/NDF: 29270.6/25

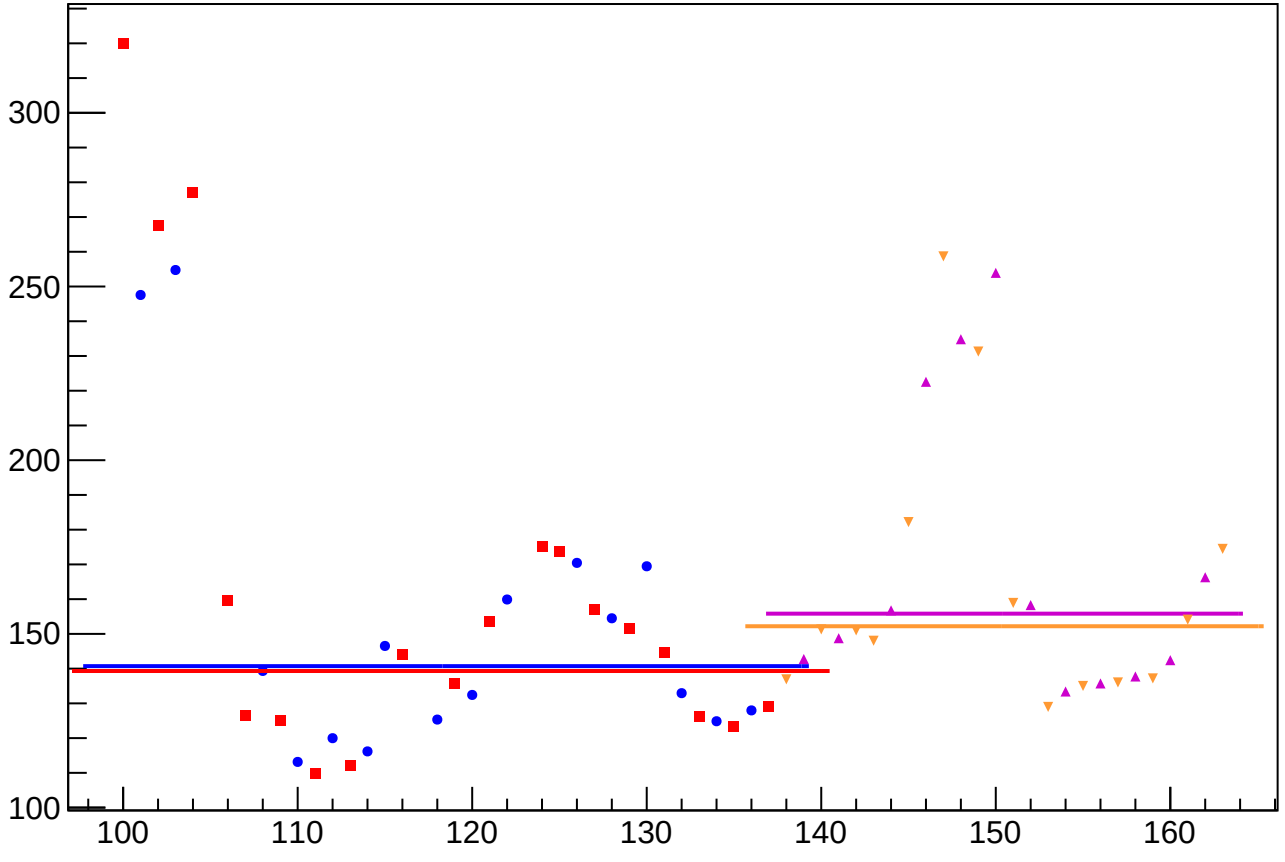
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4260.702+/-36.930 χ^2/NDF:47309.7/27

Out: -2236.748+/-35.159 χ^2/NDF:11918.6/32

All: -3199.026+/-25.464 χ^2/NDF: 60803.9/60

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 152.202+/-0.033 χ^2/NDF:689415.5/13

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 155.825+/-0.035 χ^2/NDF:761891.2/11

Left: 153.891+/-0.024 χ^2/NDF: 1456927.0/25

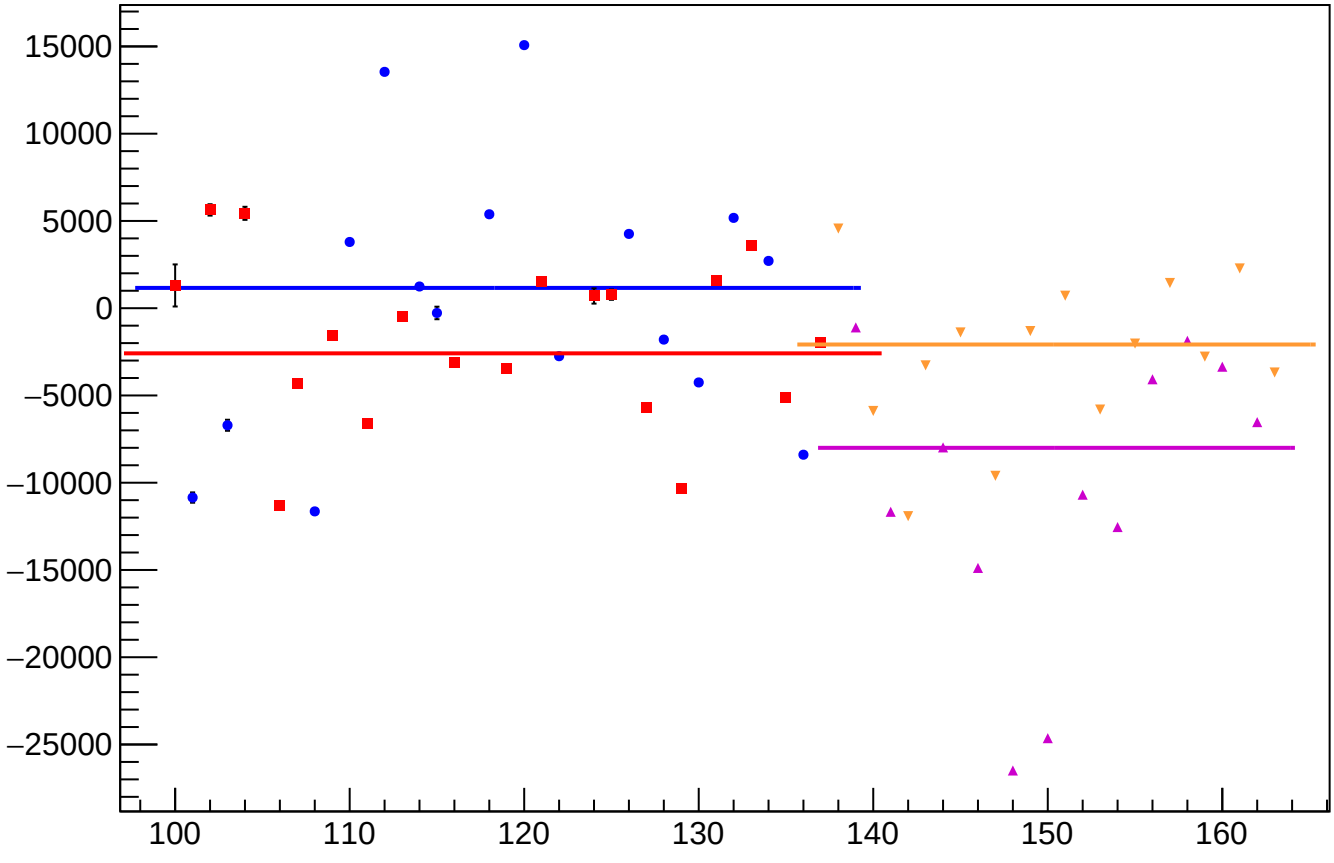
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 148.977+/-0.026 χ^2/NDF:1520484.5/27

Out: 146.629+/-0.025 χ^2/NDF:1557663.0/32

All: 147.745+/-0.018 χ^2/NDF: 3082390.0/60

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2080.125+/-41.079 χ^2/NDF:9195.0/13

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -8001.251+/-44.010 χ^2/NDF:19862.3/11

Left: -4836.983+/-30.030 χ^2/NDF: 38730.6/25

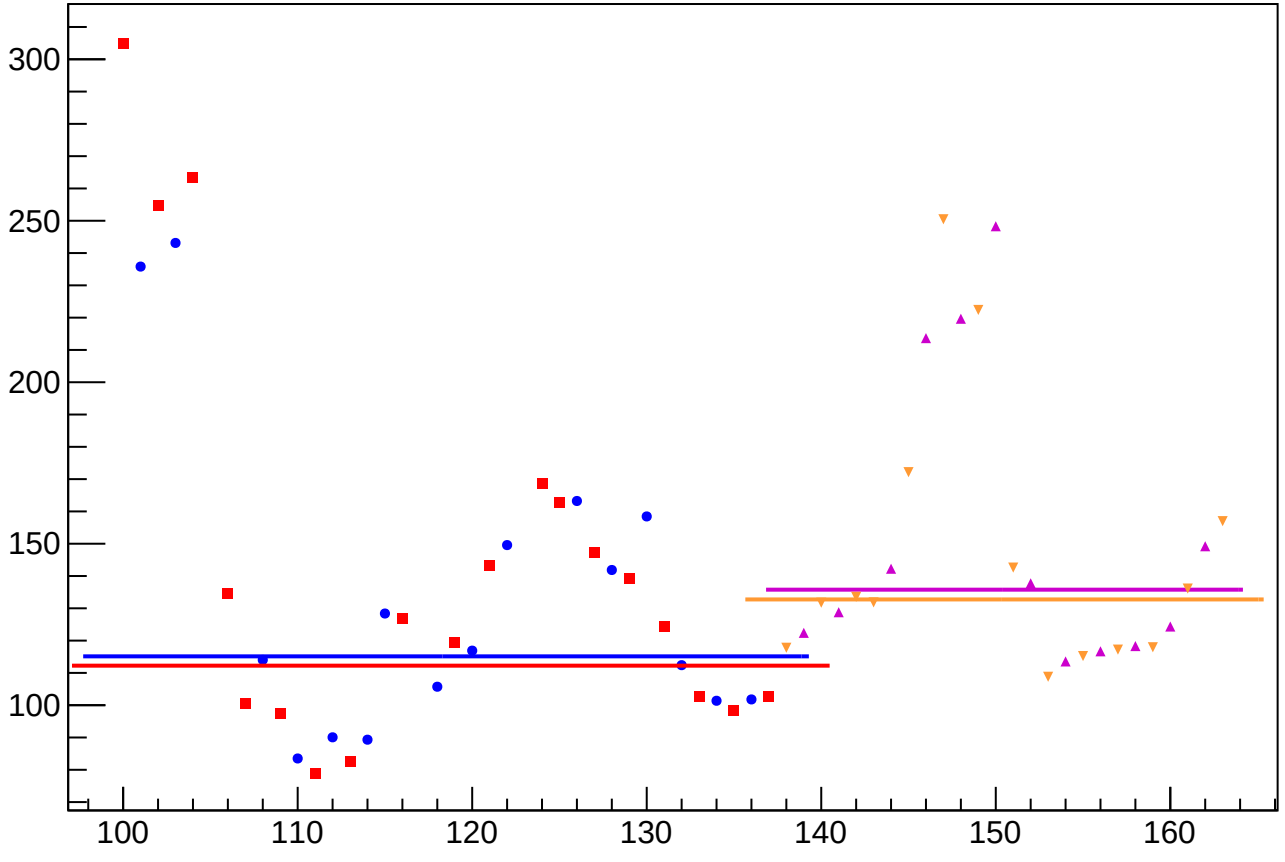
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3614.685+/-31.777 χ^2/NDF:71371.3/27

Out: -2314.604+/-30.108 χ^2/NDF:17365.1/32

All: -2929.610+/-21.856 χ^2/NDF: 89618.5/60

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 132.747+/-0.029 χ^2/NDF:959679.3/13

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 135.771+/-0.031 χ^2/NDF:1034801.6/11

Left: 134.155+/-0.021 χ^2/NDF: 1999528.8/25

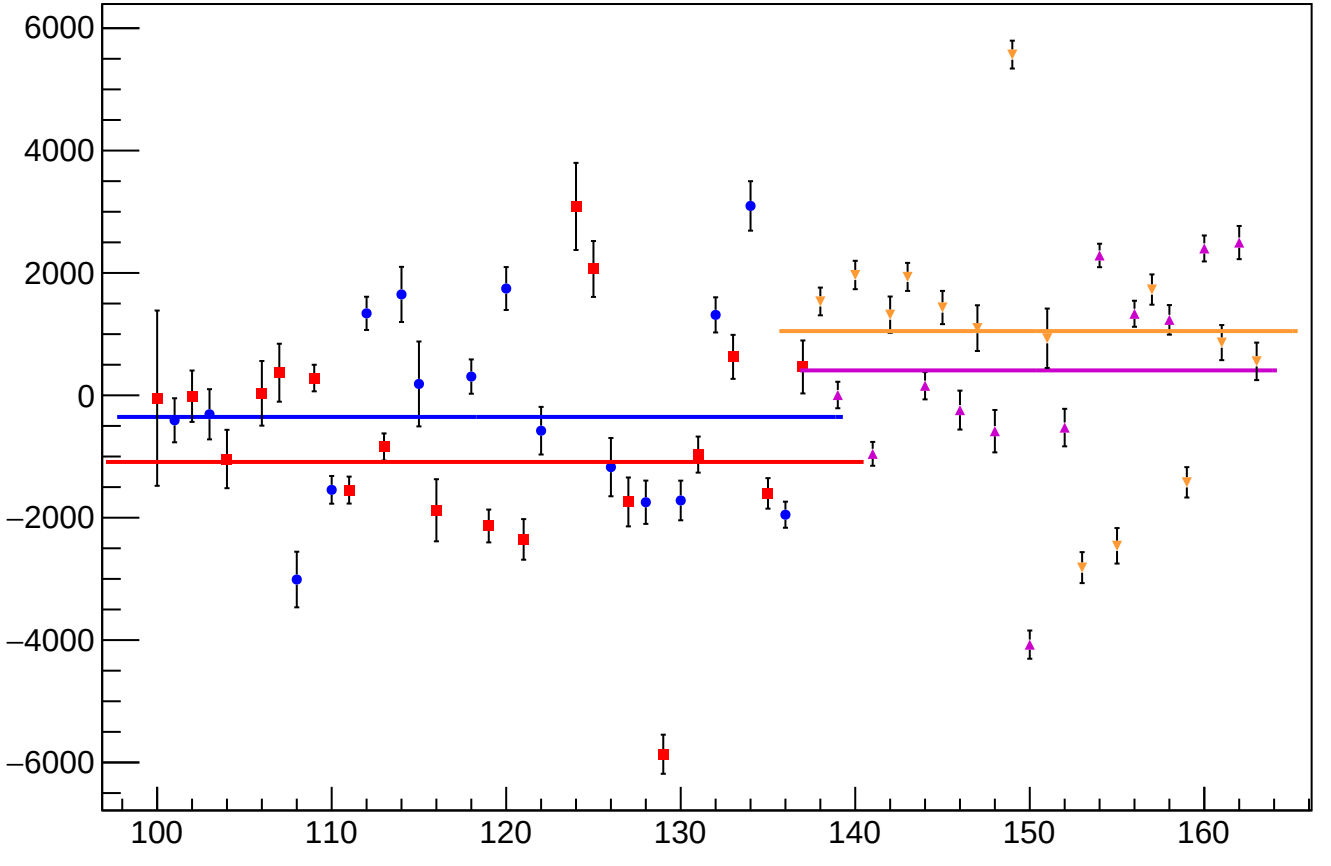
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 125.889+/-0.022 χ^2/NDF:2358467.1/27

Out: 123.256+/-0.021 χ^2/NDF:2518479.5/32

All: 124.502+/-0.015 χ^2/NDF: 4884179.9/60

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1049.725+/-71.516 χ^2/NDF:920.5/13

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 407.404+/-67.779 χ^2/NDF:727.1/11

Left: 711.343+/-49.195 χ^2/NDF: 1690.2/25

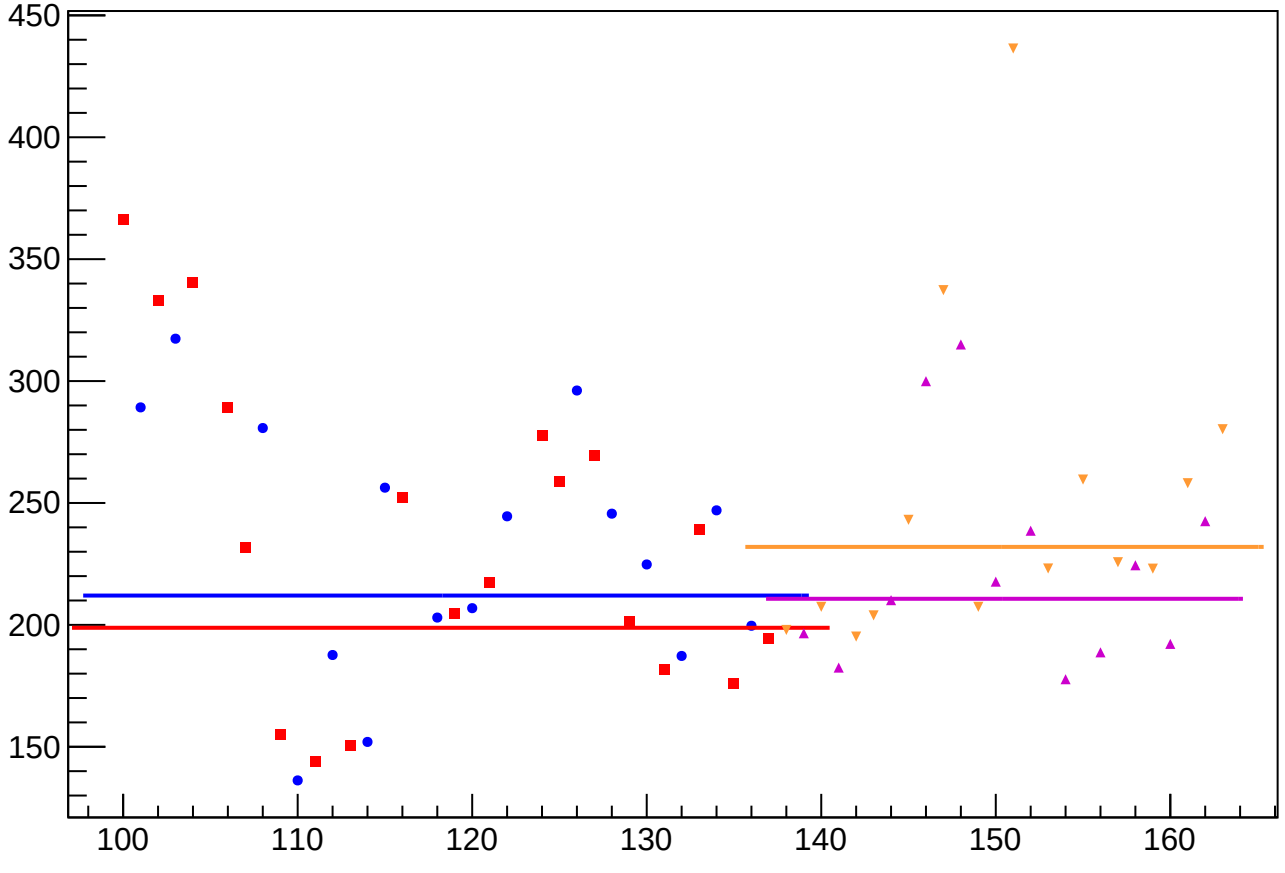
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 99.309+/-52.278 χ^2/NDF:1139.9/27

Out: 51.623+/-52.225 χ^2/NDF:1785.0/32

All: 75.442+/-36.947 χ^2/NDF: 2925.4/60

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 231.985+/-0.051 χ^2/NDF:759247.0/13

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 210.701+/-0.048 χ^2/NDF:537169.0/11

Left: 220.772+/-0.035 χ^2/NDF: 1389741.4/25

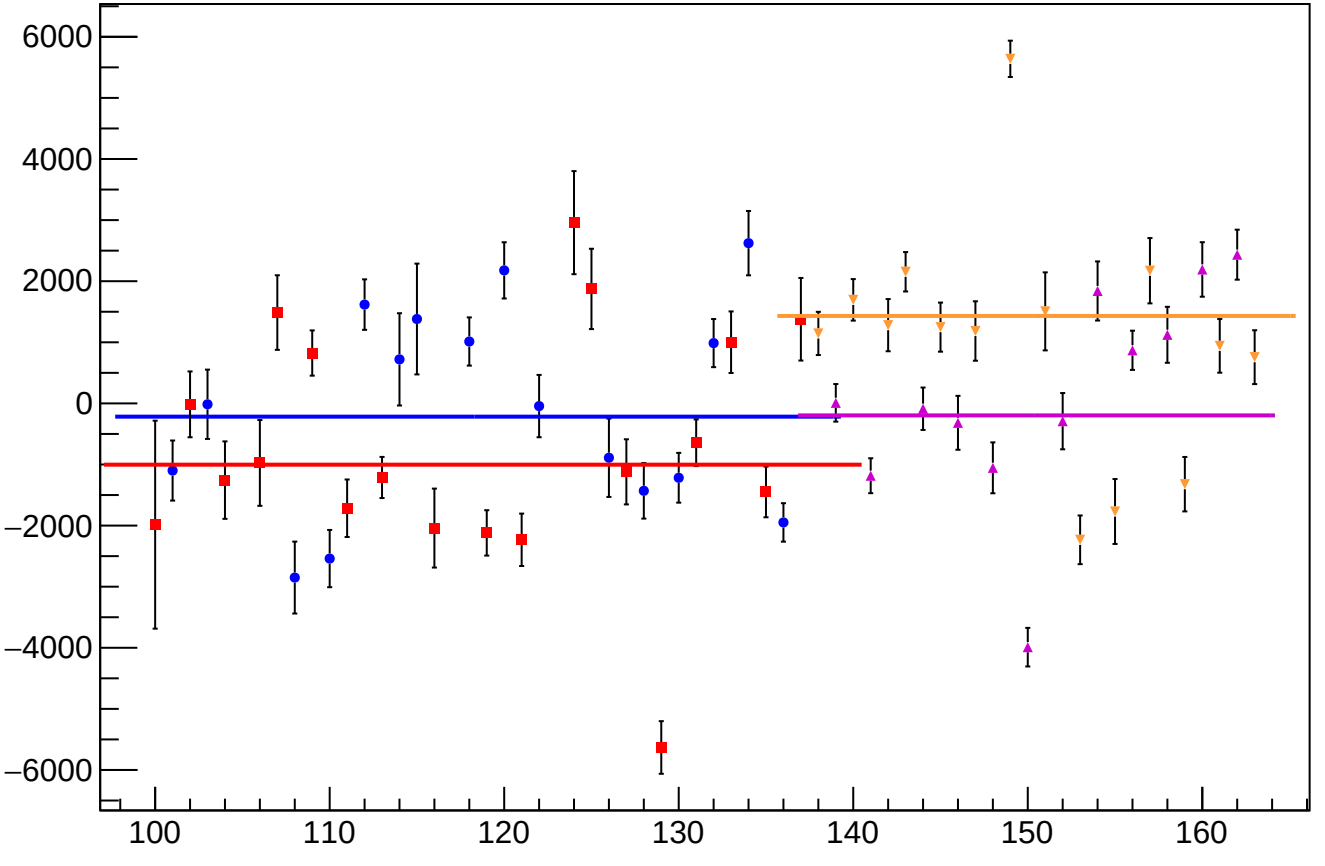
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 211.238+/-0.037 χ^2/NDF:1227837.4/27

Out: 216.501+/-0.037 χ^2/NDF:1935055.0/32

All: 213.872+/-0.026 χ^2/NDF: 3173036.7/60

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1431.396+/-108.680 χ^2/NDF:371.8/13

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -196.316+/-107.509 χ^2/NDF:268.2/11

Left: 608.726+/-76.431 χ^2/NDF: 753.4/25

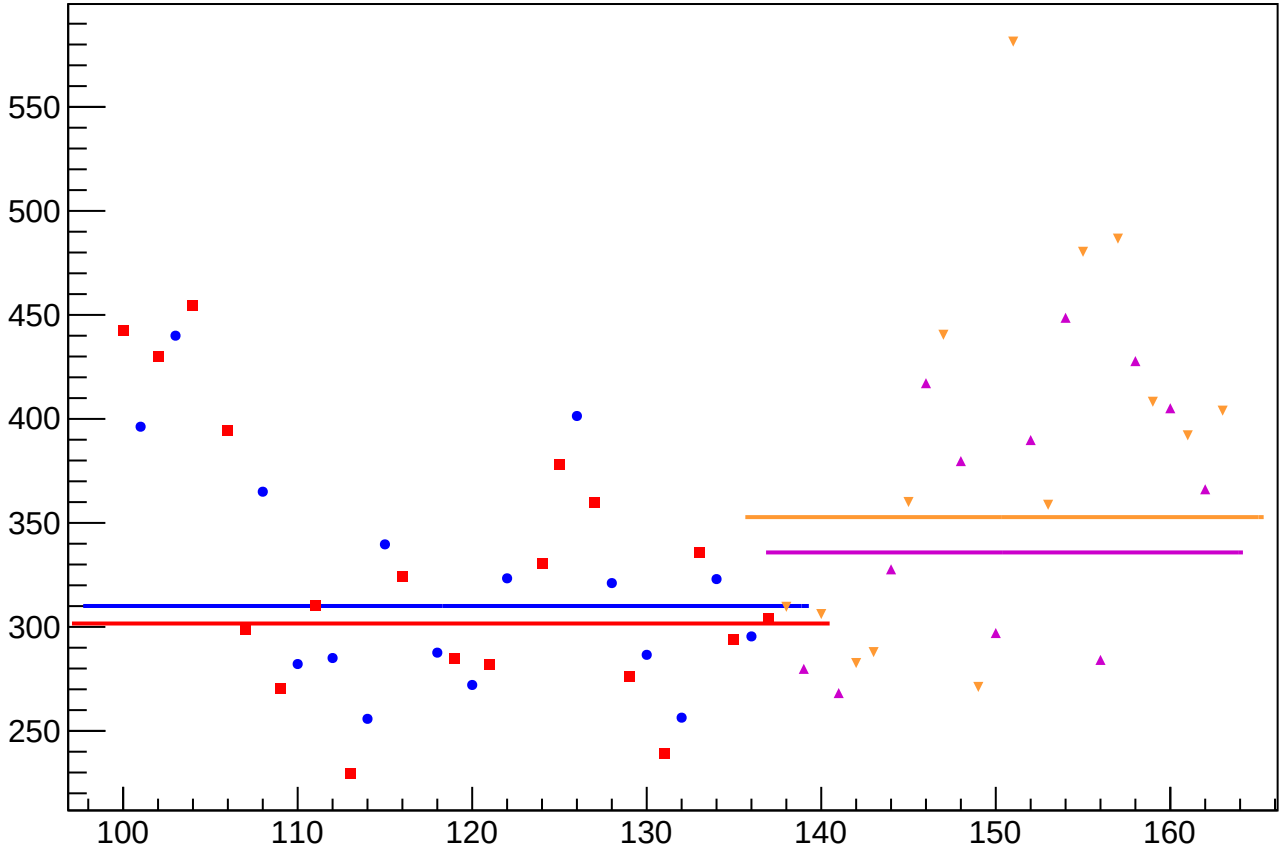
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -205.684+/-79.436 χ^2/NDF:460.4/27

Out: 262.791+/-78.368 χ^2/NDF:867.0/32

All: 31.726+/-55.788 χ^2/NDF: 1345.1/60

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 352.788+/-0.077 χ^2/NDF:990310.3/13

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 335.804+/-0.076 χ^2/NDF:627824.5/11

Left: 344.204+/-0.054 χ^2/NDF: 1642821.4/25

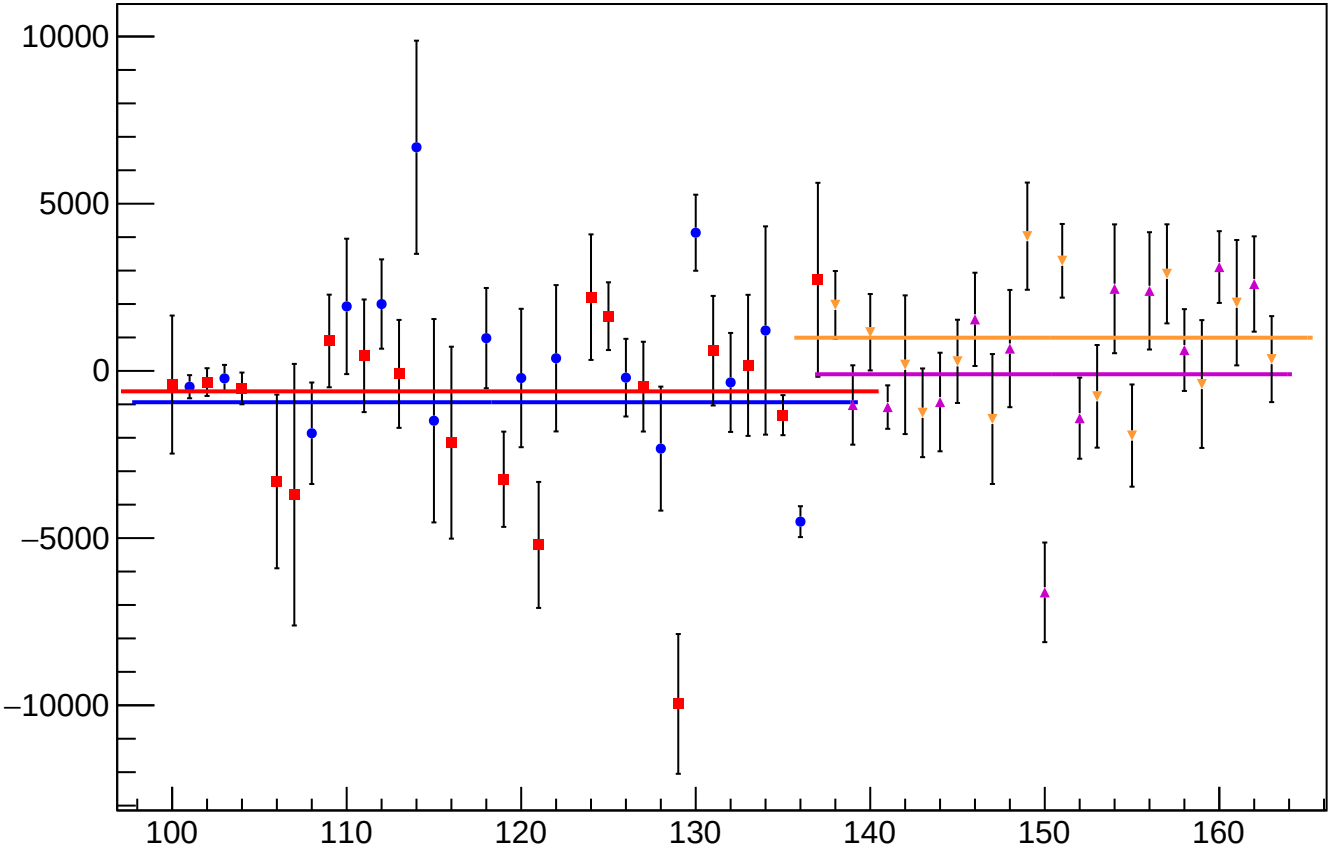
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 324.116+/-0.056 χ^2/NDF:1003170.5/27

Out: 328.234+/-0.055 χ^2/NDF:1722868.4/32

All: 326.203+/-0.039 χ^2/NDF: 2728763.1/60

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 992.846+/-374.313 χ^2/NDF:21.5/13

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -100.075+/-350.730 χ^2/NDF:41.8/11

Left: 410.875+/-255.935 χ^2/NDF: 67.8/25

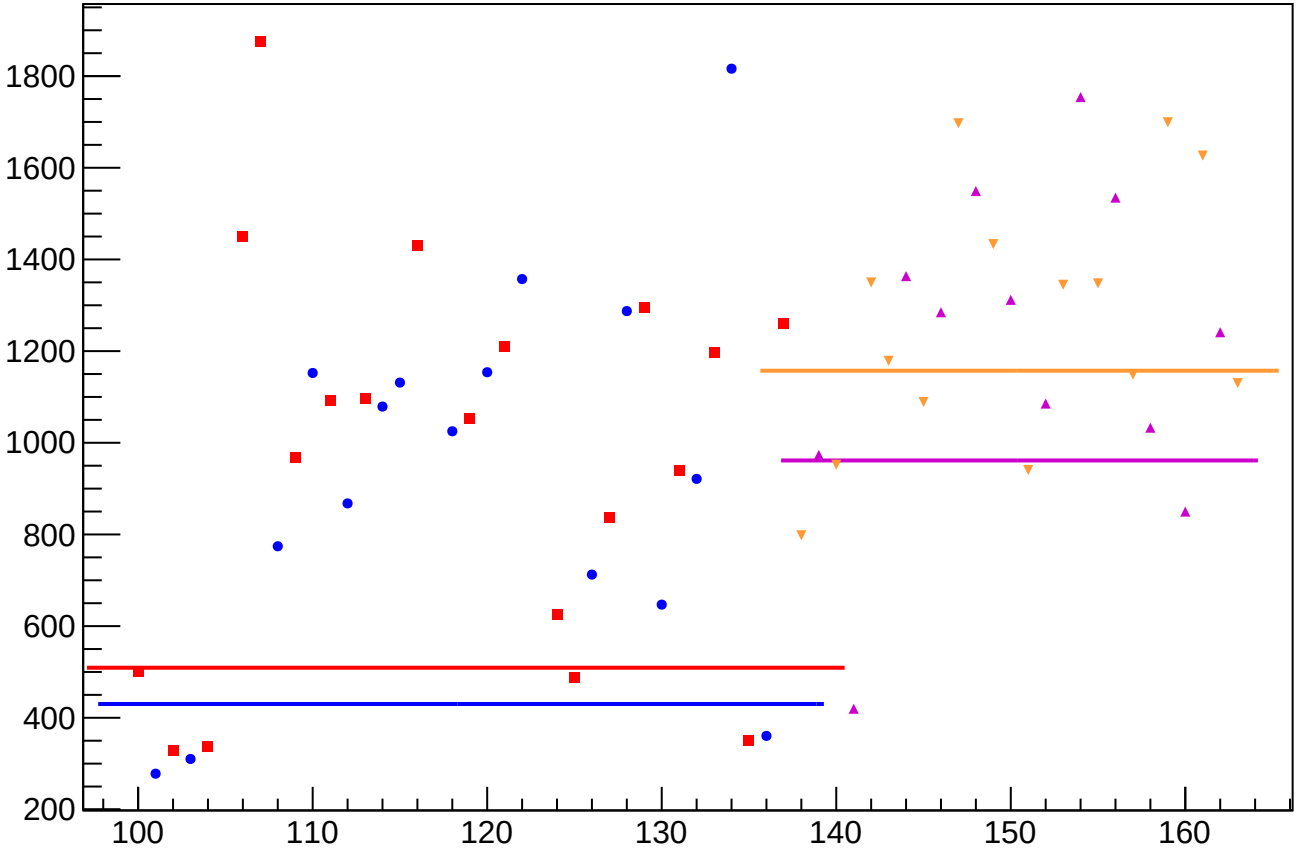
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -724.286+/-176.803 χ^2/NDF:147.2/27

Out: -163.182+/-197.896 χ^2/NDF:78.9/32

All: -475.221+/-131.847 χ^2/NDF: 230.6/60

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1157.252+/-0.265 χ^2/NDF:979366.5/13

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 961.435+/-0.248 χ^2/NDF:2660042.7/11

Left: 1052.981+/-0.181 χ^2/NDF: 3930864.4/25

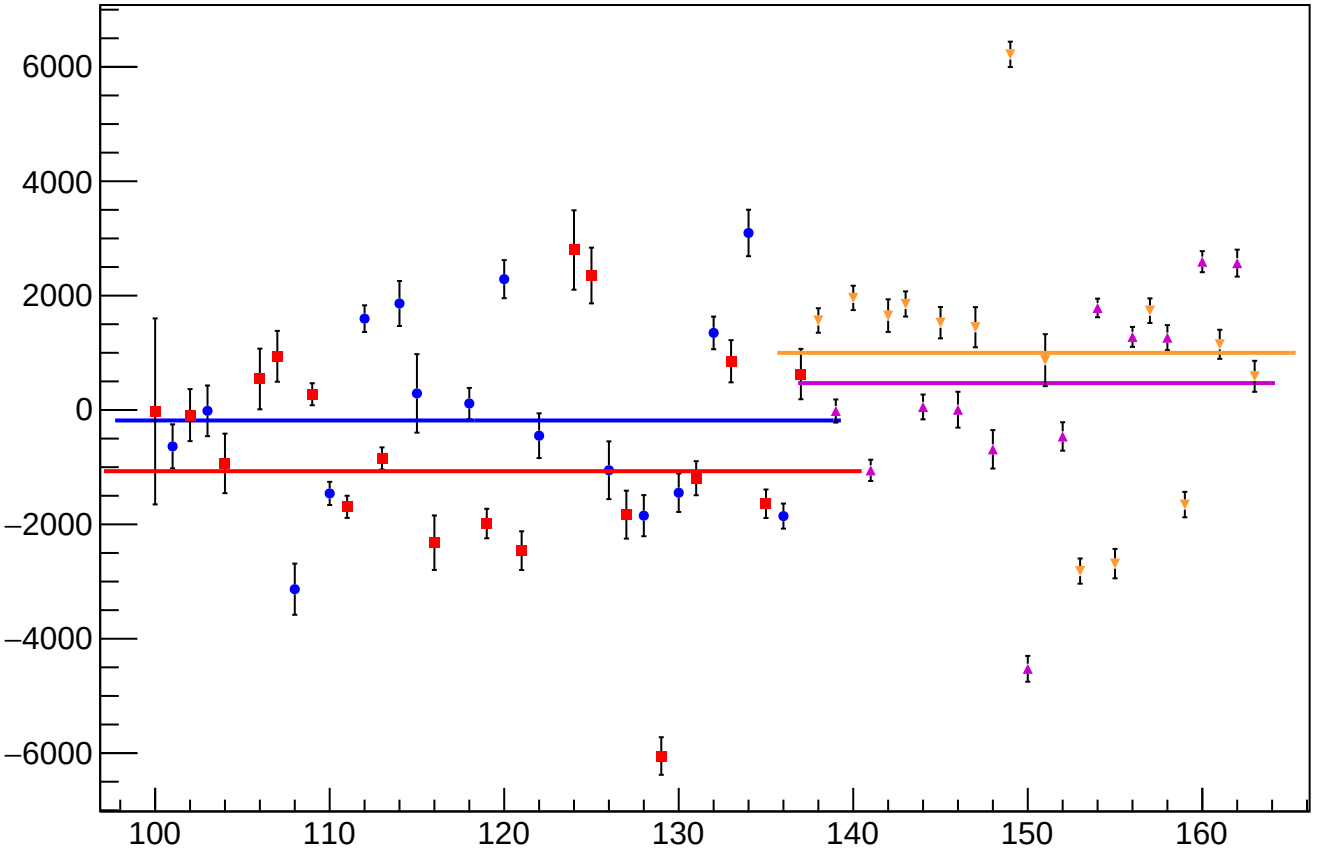
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 565.129+/-0.125 χ^2/NDF:9605453.0/27

Out: 690.366+/-0.140 χ^2/NDF:8971534.0/32

All: 620.720+/-0.093 χ^2/NDF: 19022428.6/60

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 999.329+/-65.949 χ^2/NDF:1267.6/13

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 470.404+/-61.049 χ^2/NDF:907.4/11

Left: 714.488+/-44.800 χ^2/NDF: 2209.6/25

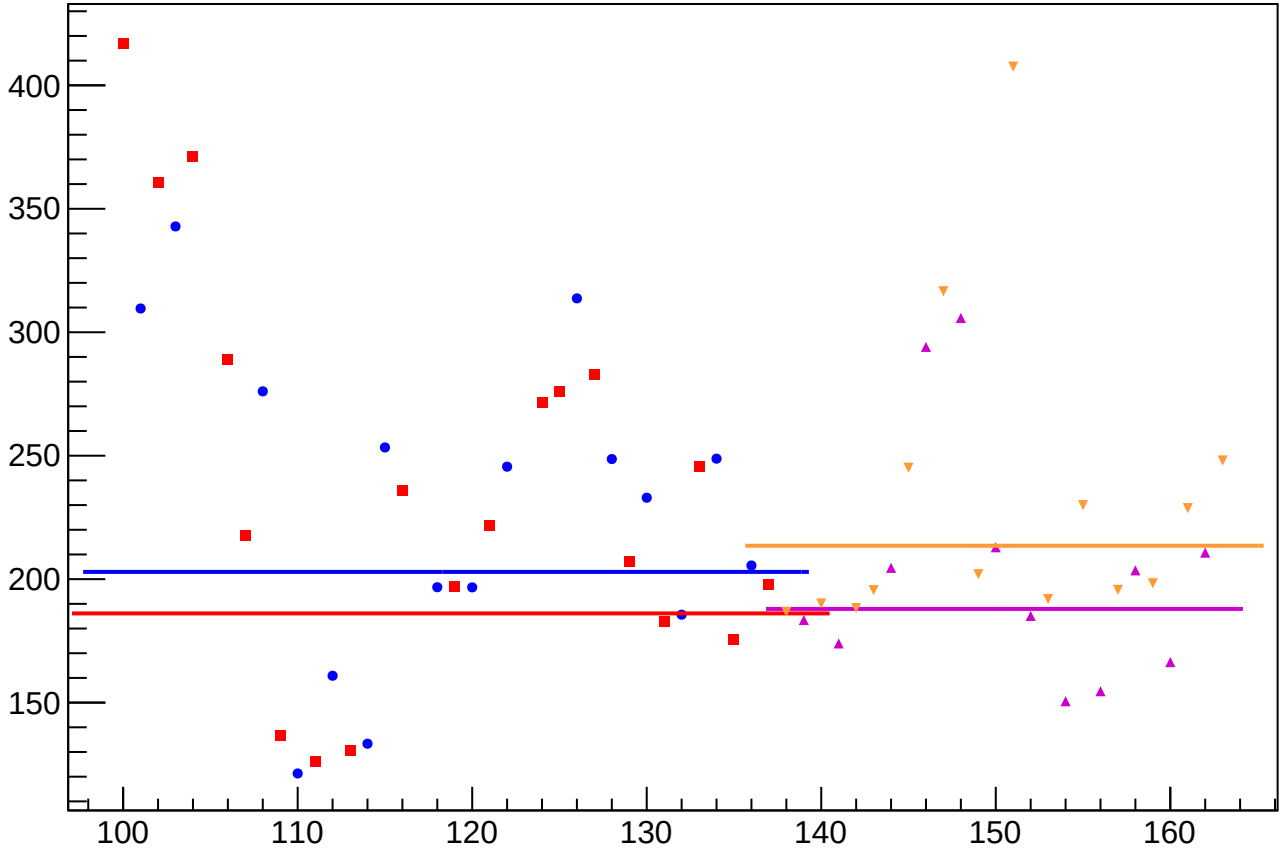
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 229.408+/-48.501 χ^2/NDF:1367.4/27

Out: 70.370+/-48.955 χ^2/NDF:2201.8/32

All: 150.628+/-34.455 χ^2/NDF: 3574.4/60

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 213.533+/-0.047 χ^2/NDF:743602.0/13

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 187.942+/-0.043 χ^2/NDF:758433.6/11

Left: 199.752+/-0.032 χ^2/NDF: 1664208.7/25

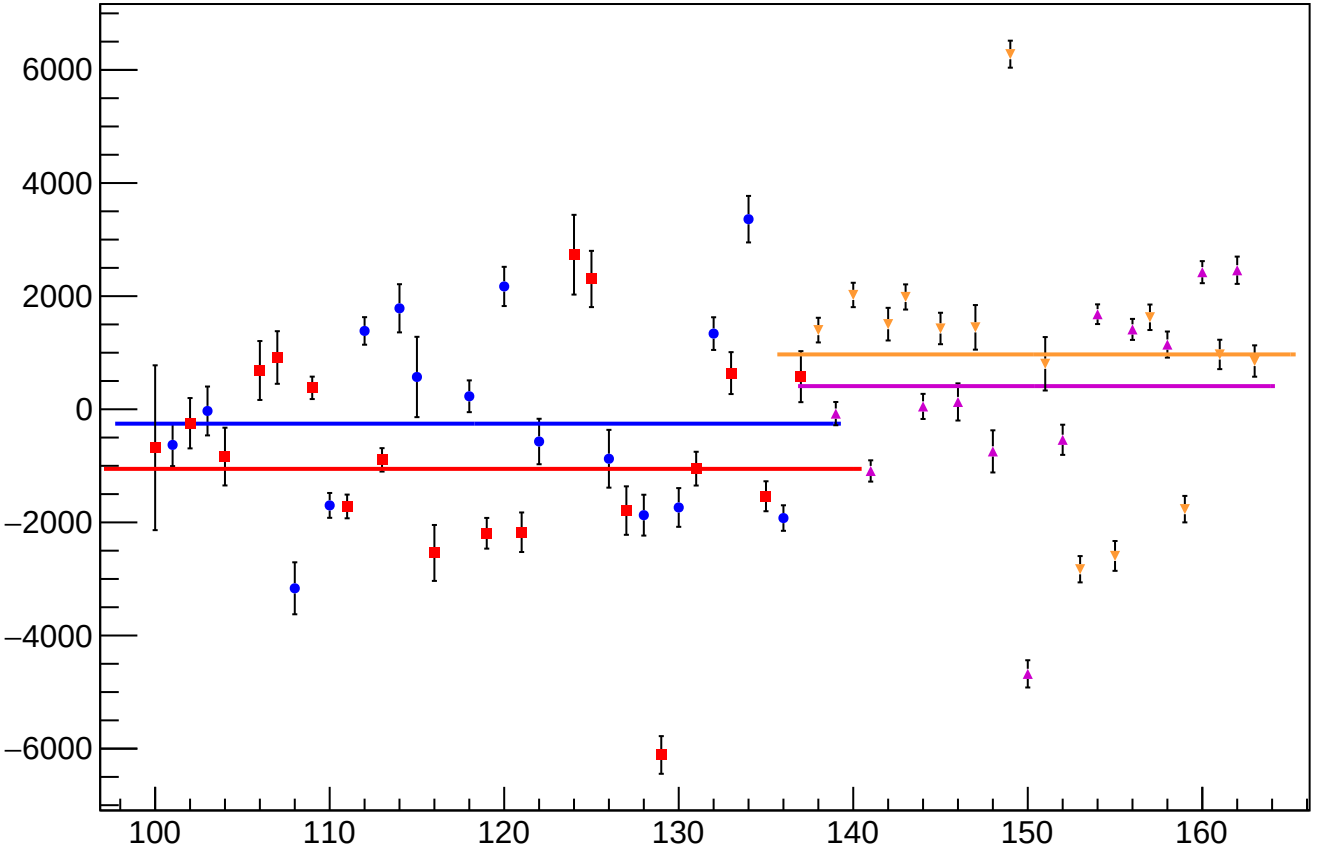
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 193.474+/-0.034 χ^2/NDF:1874818.1/27

Out: 201.229+/-0.035 χ^2/NDF:2380313.6/32

All: 197.316+/-0.024 χ^2/NDF: 4280458.7/60

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 969.959+/-68.244 χ^2/NDF:1144.6/13

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 409.443+/-63.990 χ^2/NDF:812.2/11

Left: 671.685+/-46.679 χ^2/NDF: 1992.6/25

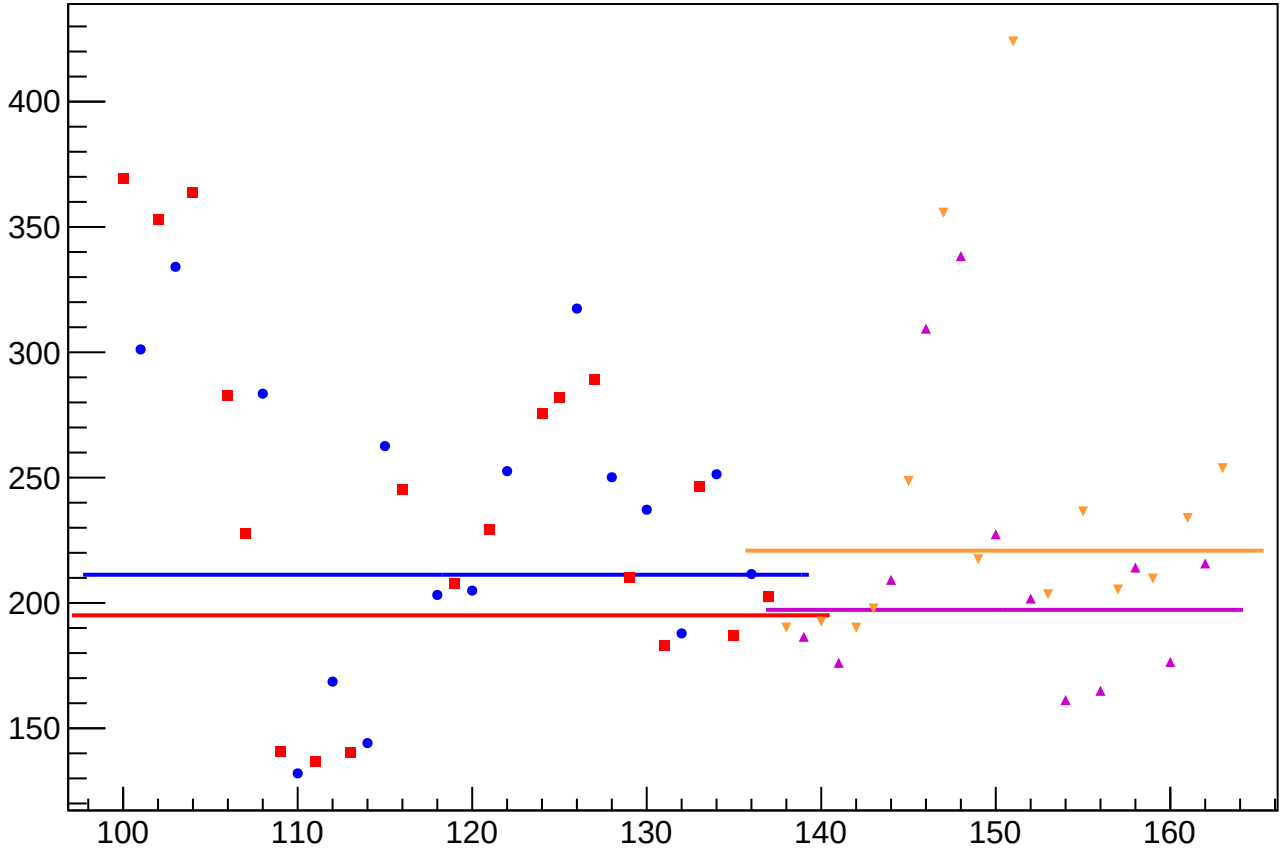
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 160.020+/-50.561 χ^2/NDF:1261.9/27

Out: 66.203+/-50.768 χ^2/NDF:2014.9/32

All: 113.304+/-35.825 χ^2/NDF: 3278.5/60

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.868+/-0.048 χ^2/NDF:807667.1/13

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 197.245+/-0.045 χ^2/NDF:779524.4/11

Left: 208.297+/-0.033 χ^2/NDF: 1714713.8/25

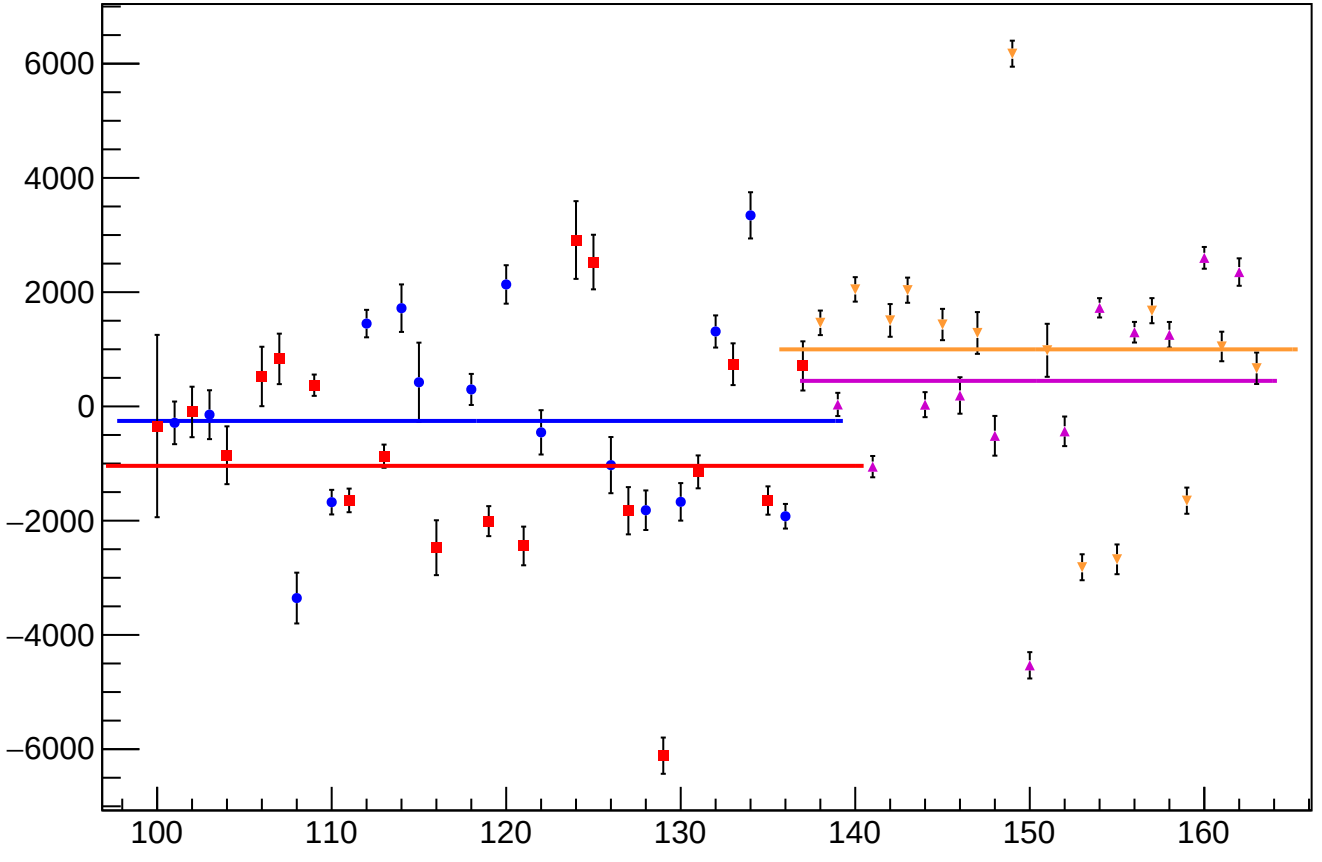
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 202.508+/-0.036 χ^2/NDF:1699896.8/27

Out: 209.343+/-0.036 χ^2/NDF:2220270.9/32

All: 205.911+/-0.025 χ^2/NDF: 3938367.9/60

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 998.812+/-66.976 χ^2/NDF:1198.1/13

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 447.310+/-62.507 χ^2/NDF:841.8/11

Left: 704.047+/-45.697 χ^2/NDF: 2076.2/25

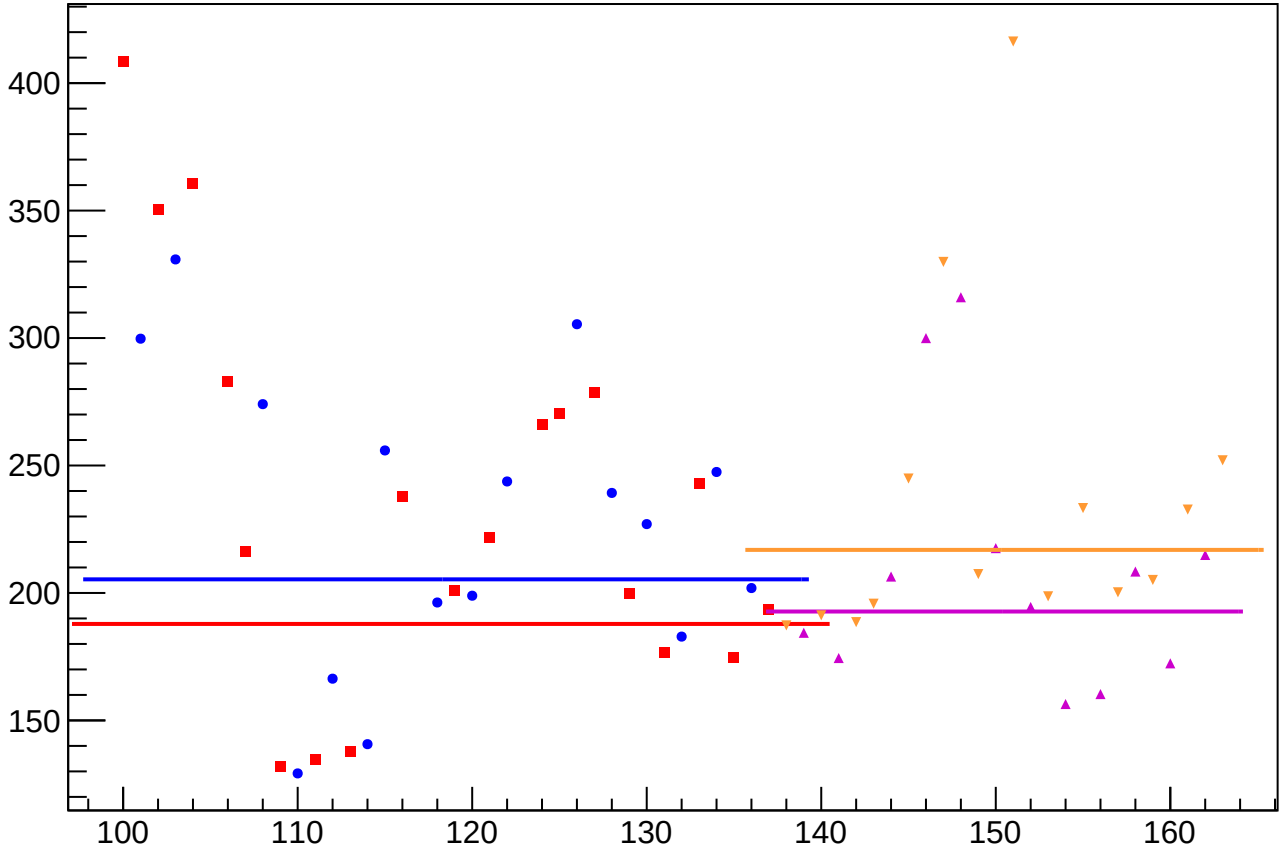
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 182.365+/-49.307 χ^2/NDF:1321.5/27

Out: 71.835+/-49.463 χ^2/NDF:2152.9/32

All: 127.276+/-34.920 χ^2/NDF: 3476.8/60

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 216.898+/-0.047 χ^2/NDF:767023.4/13

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 192.720+/-0.044 χ^2/NDF:736795.5/11

Left: 203.975+/-0.032 χ^2/NDF: 1643120.1/25

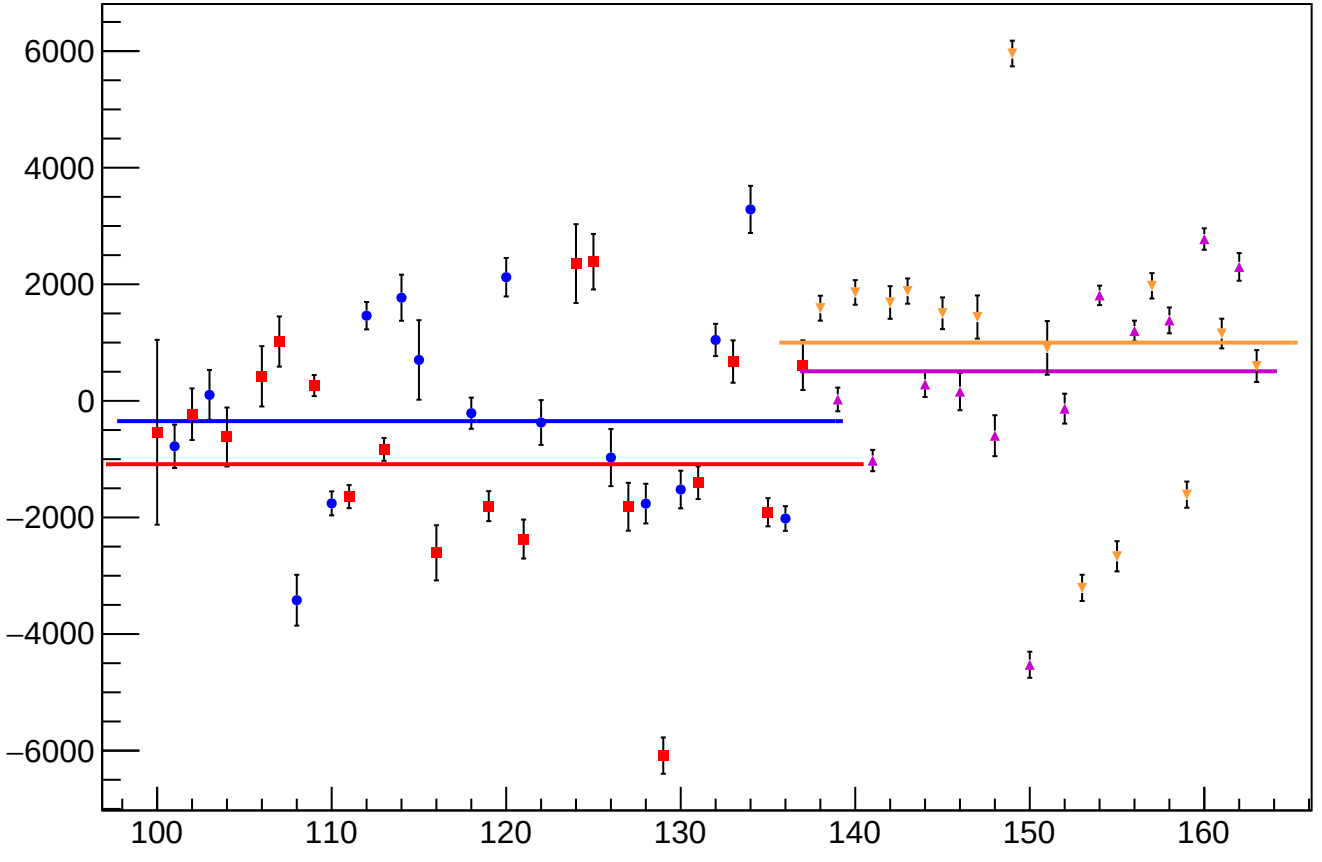
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 197.488+/-0.035 χ^2/NDF:1644998.4/27

Out: 203.692+/-0.035 χ^2/NDF:2275105.4/32

All: 200.580+/-0.025 χ^2/NDF: 3935888.4/60

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 999.569+/-66.074 χ^2/NDF:1268.3/13

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 507.824+/-61.623 χ^2/NDF:899.9/11

Left: 736.577+/-45.066 χ^2/NDF: 2197.8/25

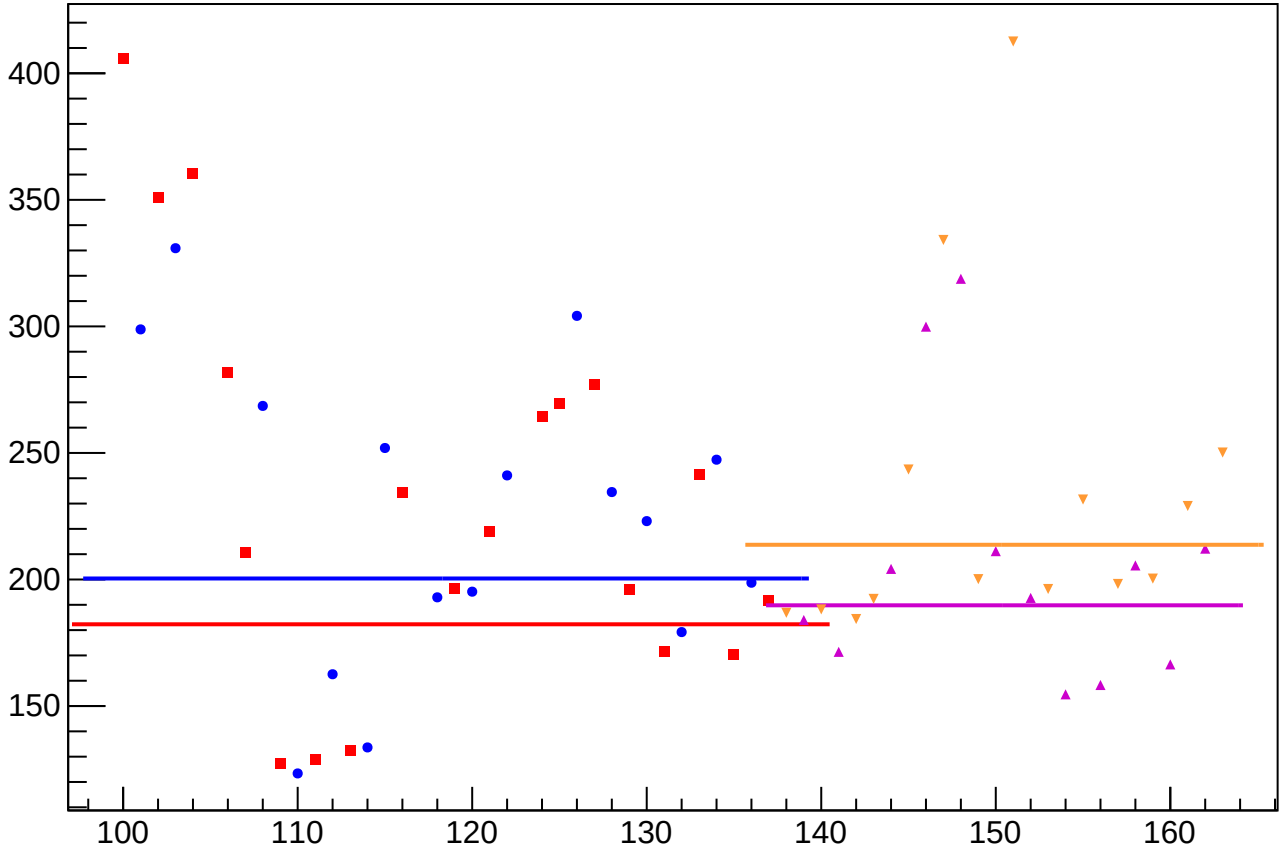
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 181.988+/-48.488 χ^2/NDF:1419.1/27

Out: 39.181+/-48.539 χ^2/NDF:2254.5/32

All: 110.659+/-34.304 χ^2/NDF: 3677.8/60

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 213.718+/-0.047 χ^2/NDF:800331.8/13

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 189.803+/-0.044 χ^2/NDF:768512.5/11

Left: 200.928+/-0.032 χ^2/NDF: 1708969.4/25

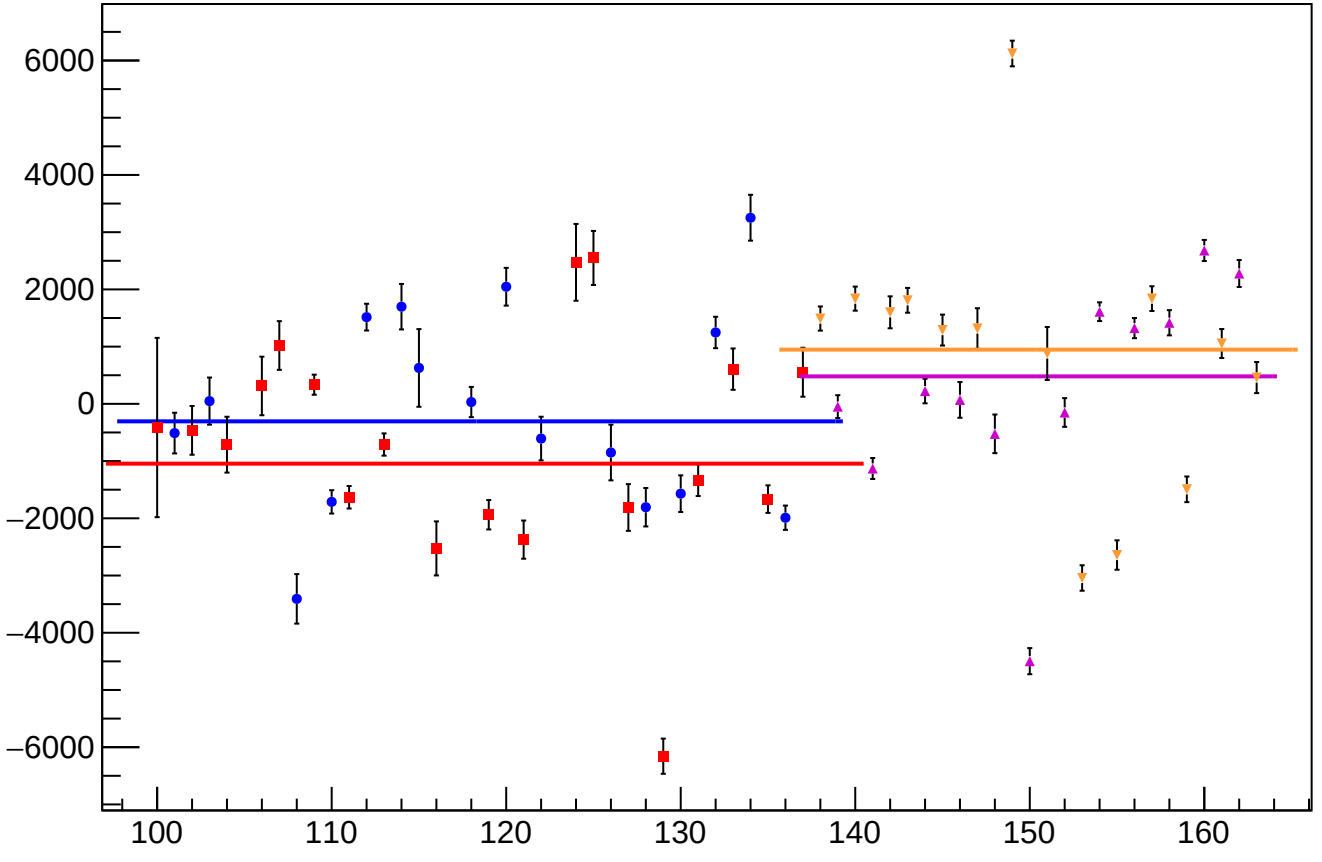
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 193.838+/-0.034 χ^2/NDF:1750035.6/27

Out: 199.255+/-0.034 χ^2/NDF:2455674.1/32

All: 196.544+/-0.024 χ^2/NDF: 4218177.0/60

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 947.246+/-65.766 χ^2/NDF:1236.3/13

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 480.239+/-61.054 χ^2/NDF:867.1/11

Left: 696.416+/-44.745 χ^2/NDF: 2130.5/25

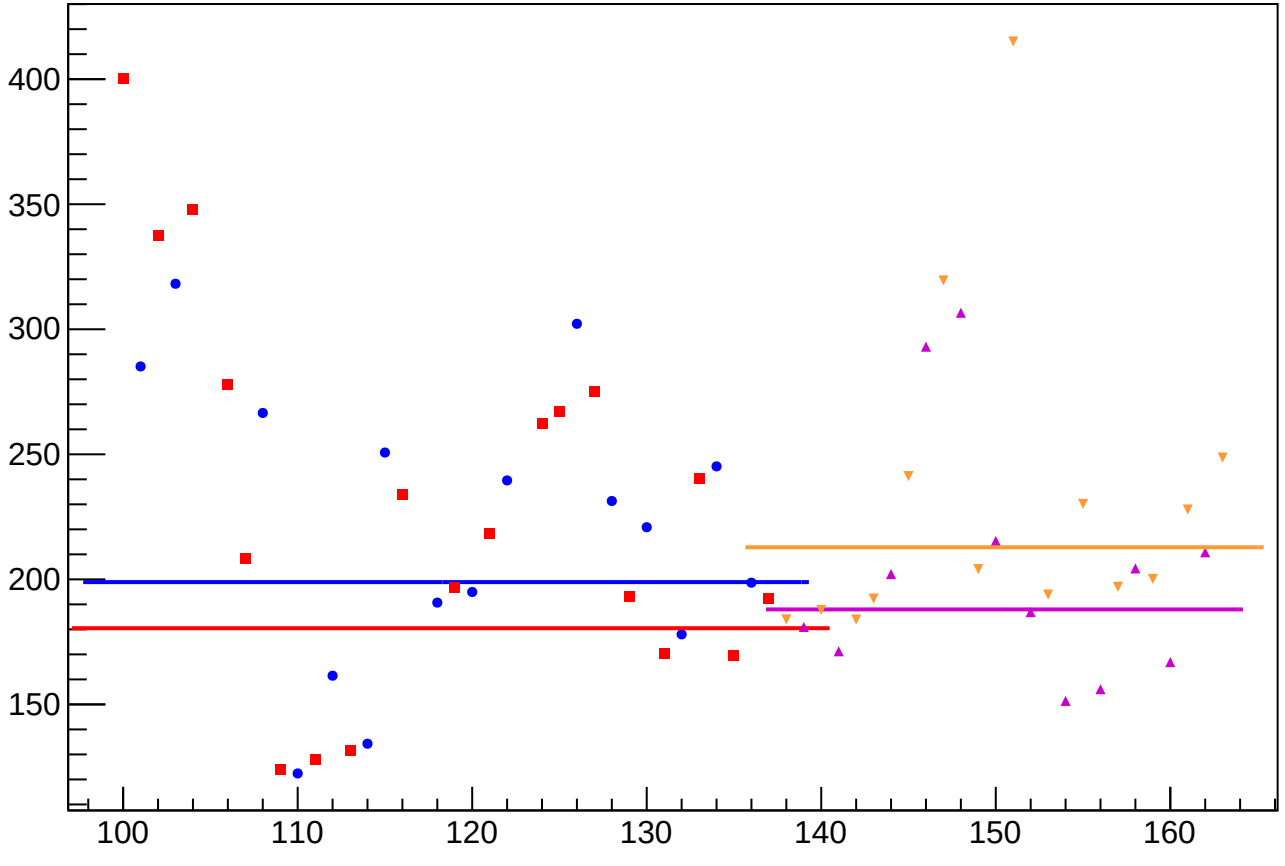
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 181.040+/-48.046 χ^2/NDF:1382.0/27

Out: 24.729+/-48.192 χ^2/NDF:2213.5/32

All: 103.122+/-34.025 χ^2/NDF: 3600.7/60

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.827+/-0.047 χ^2/NDF:776136.1/13

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 187.984+/-0.043 χ^2/NDF:751657.7/11

Left: 199.484+/-0.032 χ^2/NDF: 1681069.0/25

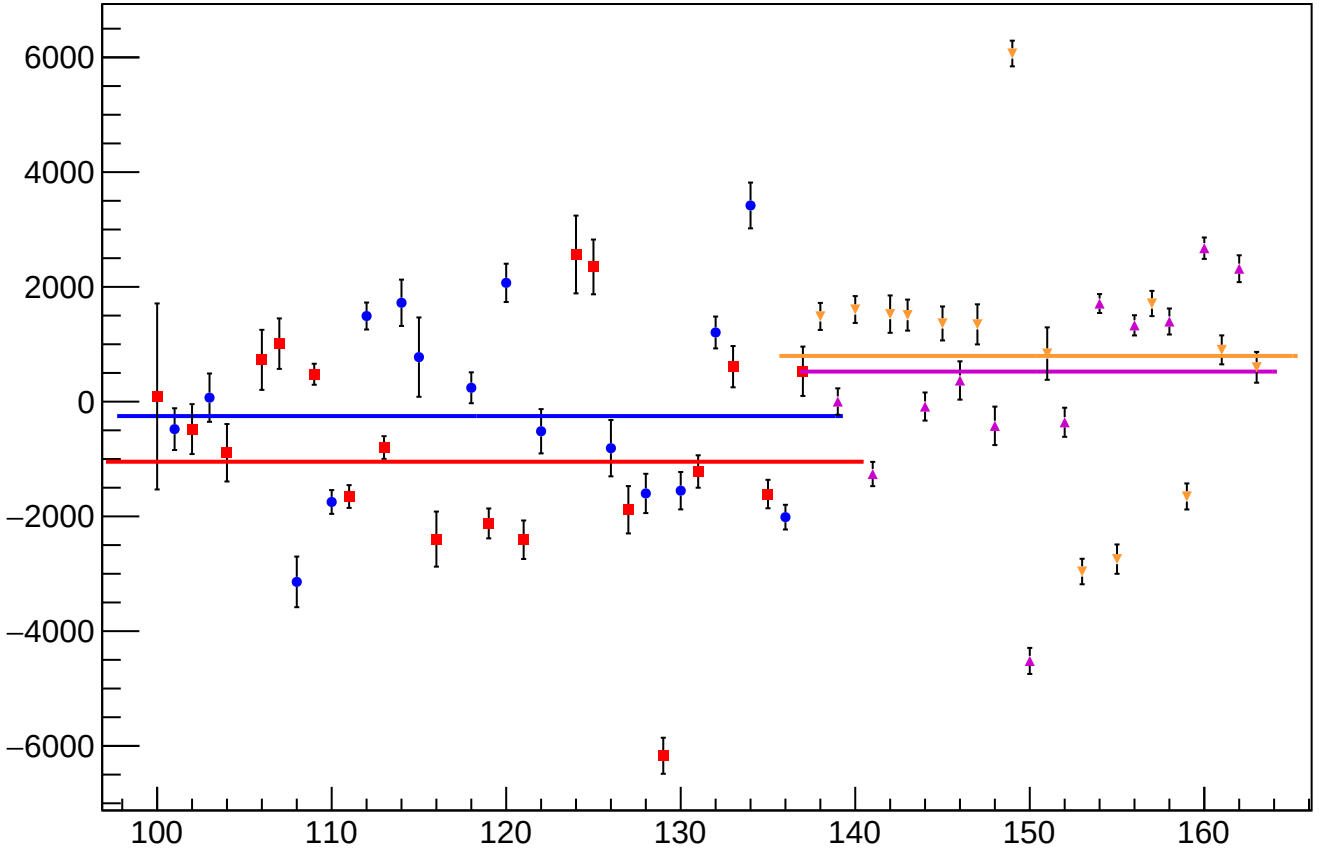
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 192.141+/-0.034 χ^2/NDF:1688773.1/27

Out: 197.846+/-0.034 χ^2/NDF:2434694.8/32

All: 194.985+/-0.024 χ^2/NDF: 4137524.5/60

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 796.896+/-69.179 χ^2/NDF:1205.1/13

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 523.778+/-63.724 χ^2/NDF:875.3/11

Left: 649.146+/-46.870 χ^2/NDF: 2088.9/25

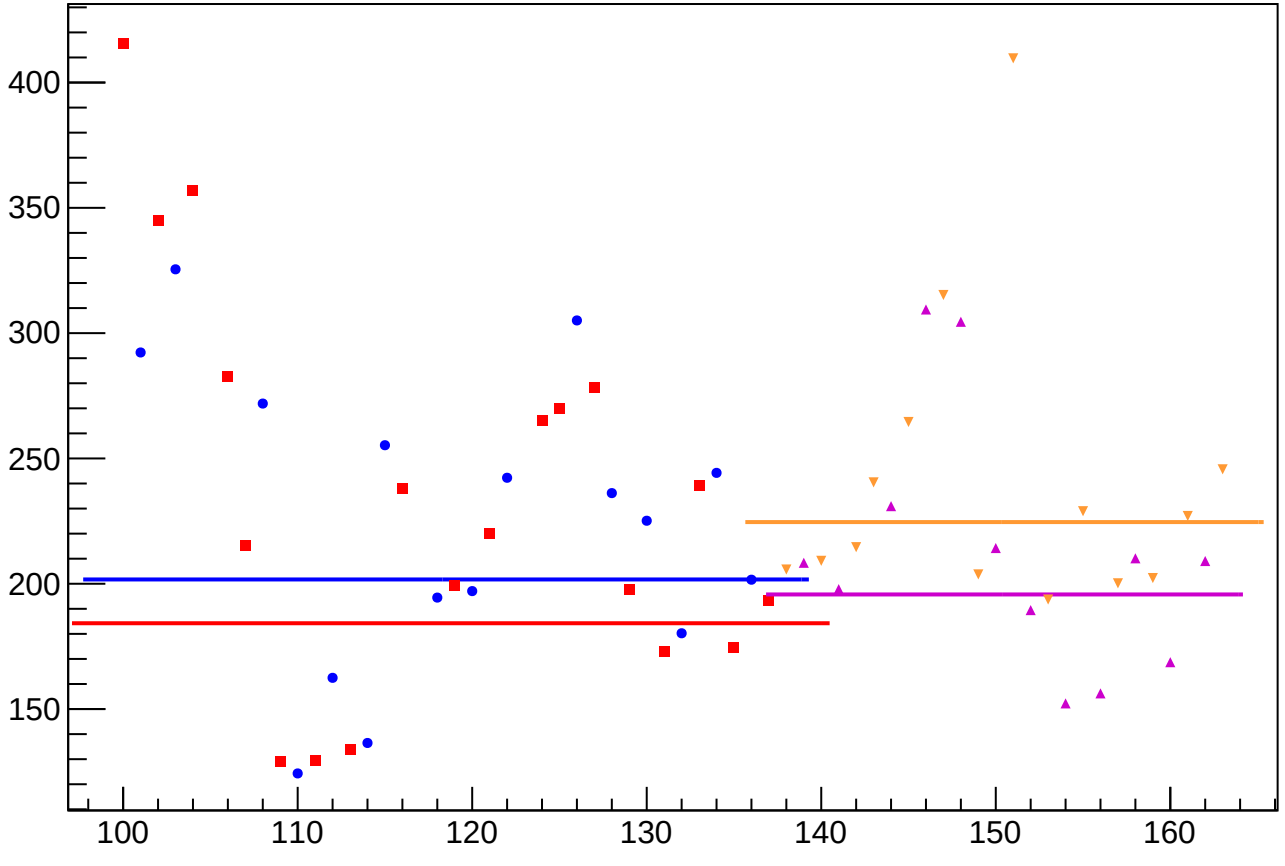
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 217.939+/-49.593 χ^2/NDF:1375.0/27

Out: -85.861+/-49.948 χ^2/NDF:2092.0/32

All: 67.121+/-35.192 χ^2/NDF: 3485.6/60

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 224.612+/-0.049 χ^2/NDF:642909.3/13

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 195.732+/-0.045 χ^2/NDF:800977.0/11

Left: 208.988+/-0.033 χ^2/NDF: 1632447.8/25

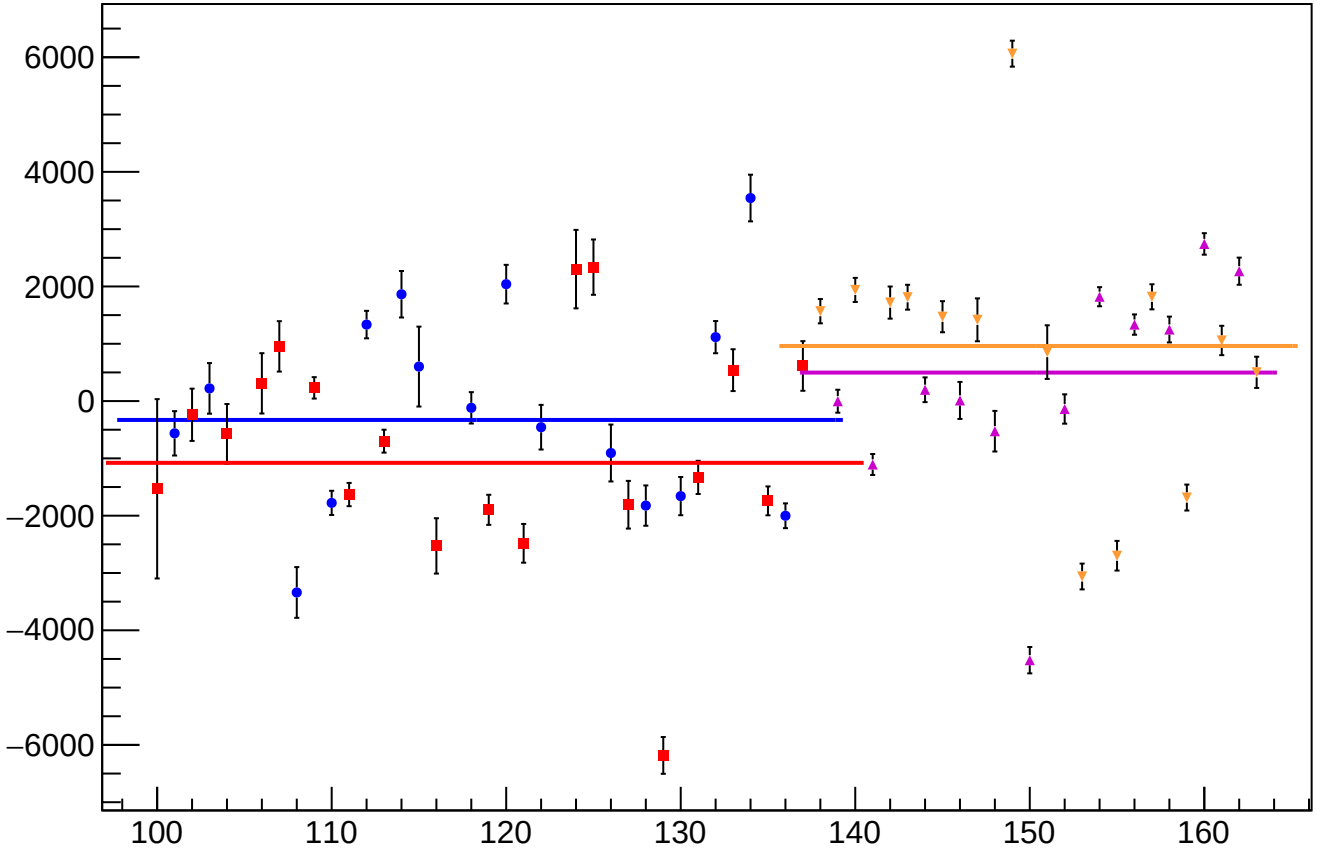
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 198.091+/-0.035 χ^2/NDF:1732136.6/27

Out: 205.287+/-0.035 χ^2/NDF:2372678.7/32

All: 201.663+/-0.025 χ^2/NDF: 4125723.2/60

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 961.316+/-66.329 χ^2/NDF:1238.2/13

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 497.338+/-61.823 χ^2/NDF:873.3/11

Left: 713.032+/-45.225 χ^2/NDF: 2137.7/25

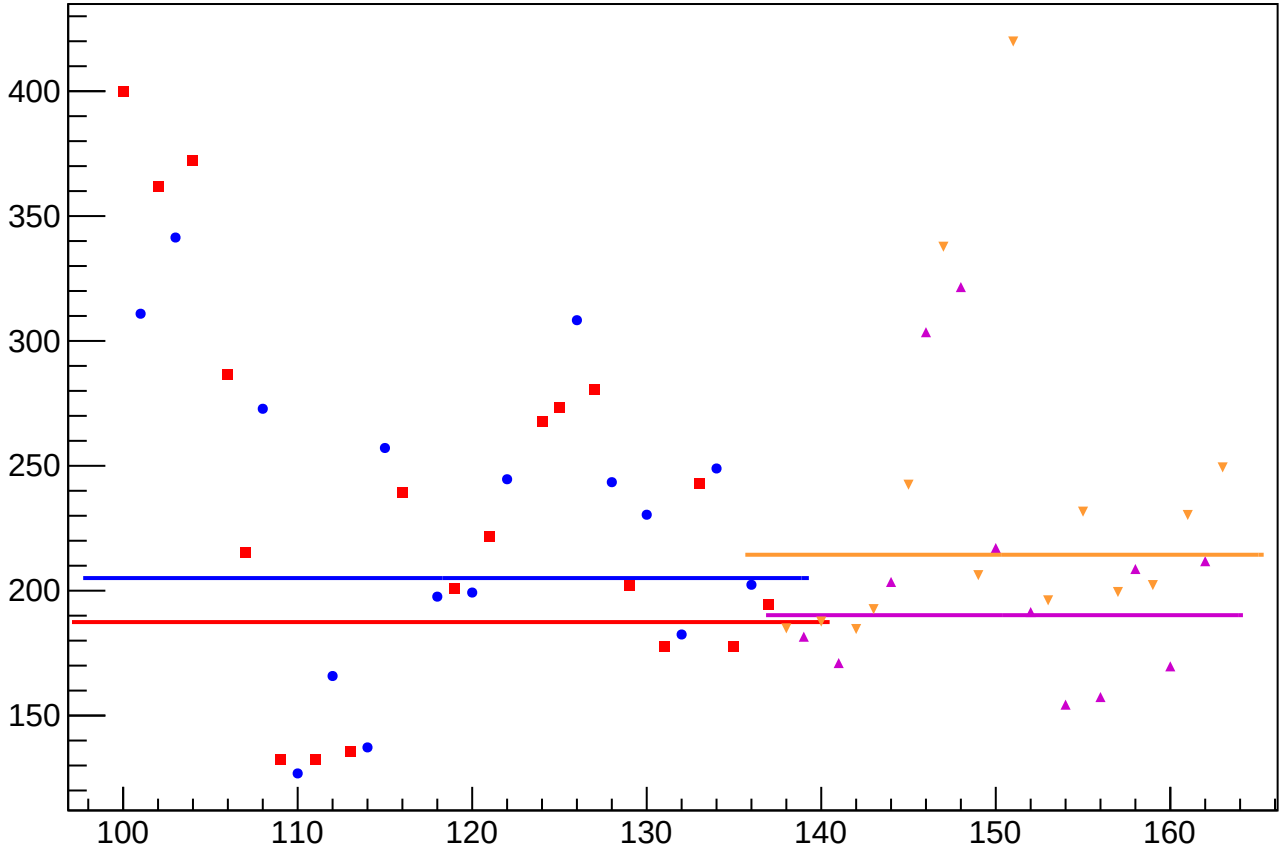
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 189.996+/-49.002 χ^2/NDF:1376.1/27

Out: 44.706+/-49.214 χ^2/NDF:2165.1/32

All: 117.664+/-34.724 χ^2/NDF: 3545.6/60

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 214.392+/-0.047 χ^2/NDF:818088.4/13

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 190.197+/-0.044 χ^2/NDF:796418.0/11

Left: 201.445+/-0.032 χ^2/NDF: 1756911.9/25

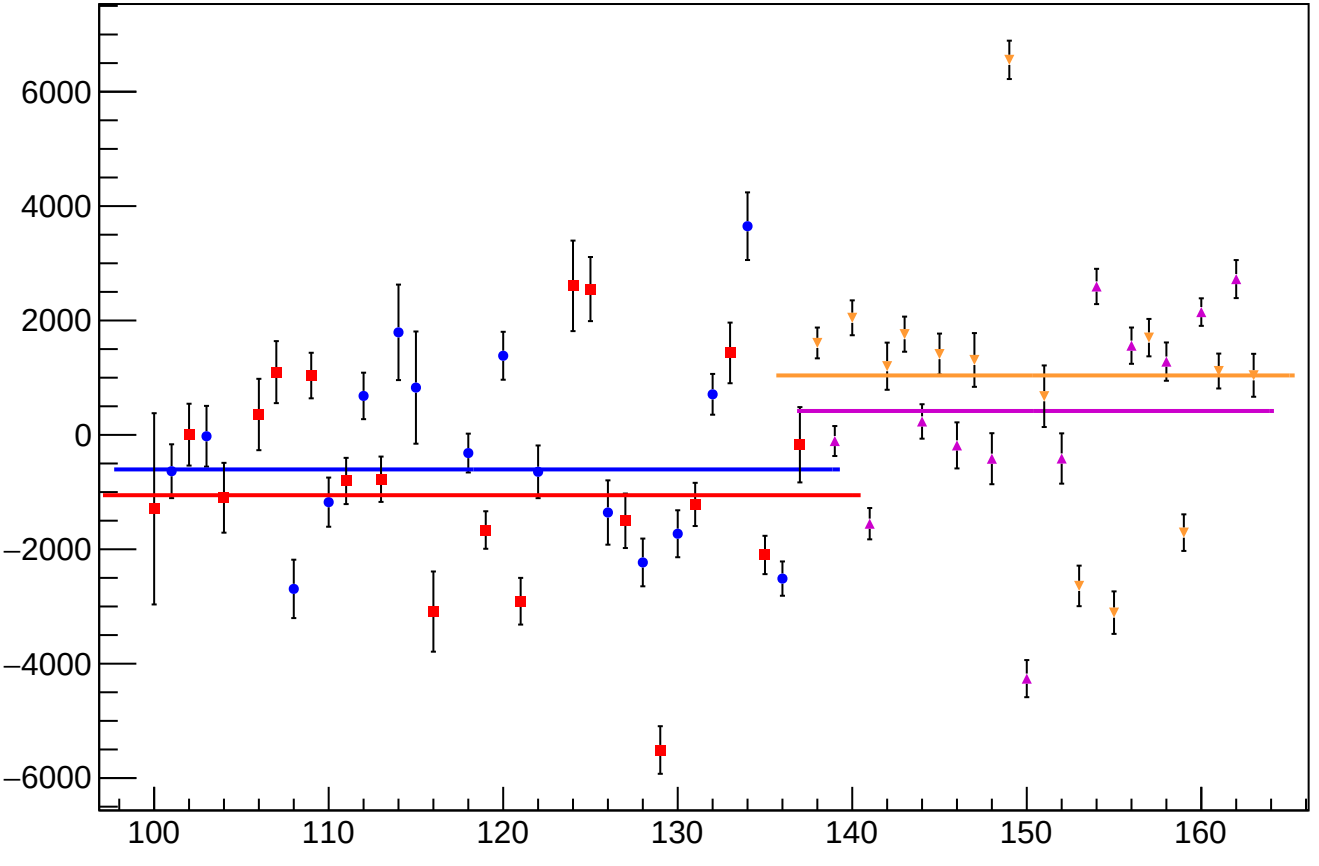
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 195.720+/-0.035 χ^2/NDF:1802401.2/27

Out: 202.273+/-0.035 χ^2/NDF:2377424.5/32

All: 198.983+/-0.025 χ^2/NDF: 4197634.4/60

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1039.461+/-92.108 χ^2/NDF:603.9/13

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 418.061+/-91.132 χ^2/NDF:442.3/11

Left: 725.451+/-64.782 χ^2/NDF: 1069.2/25

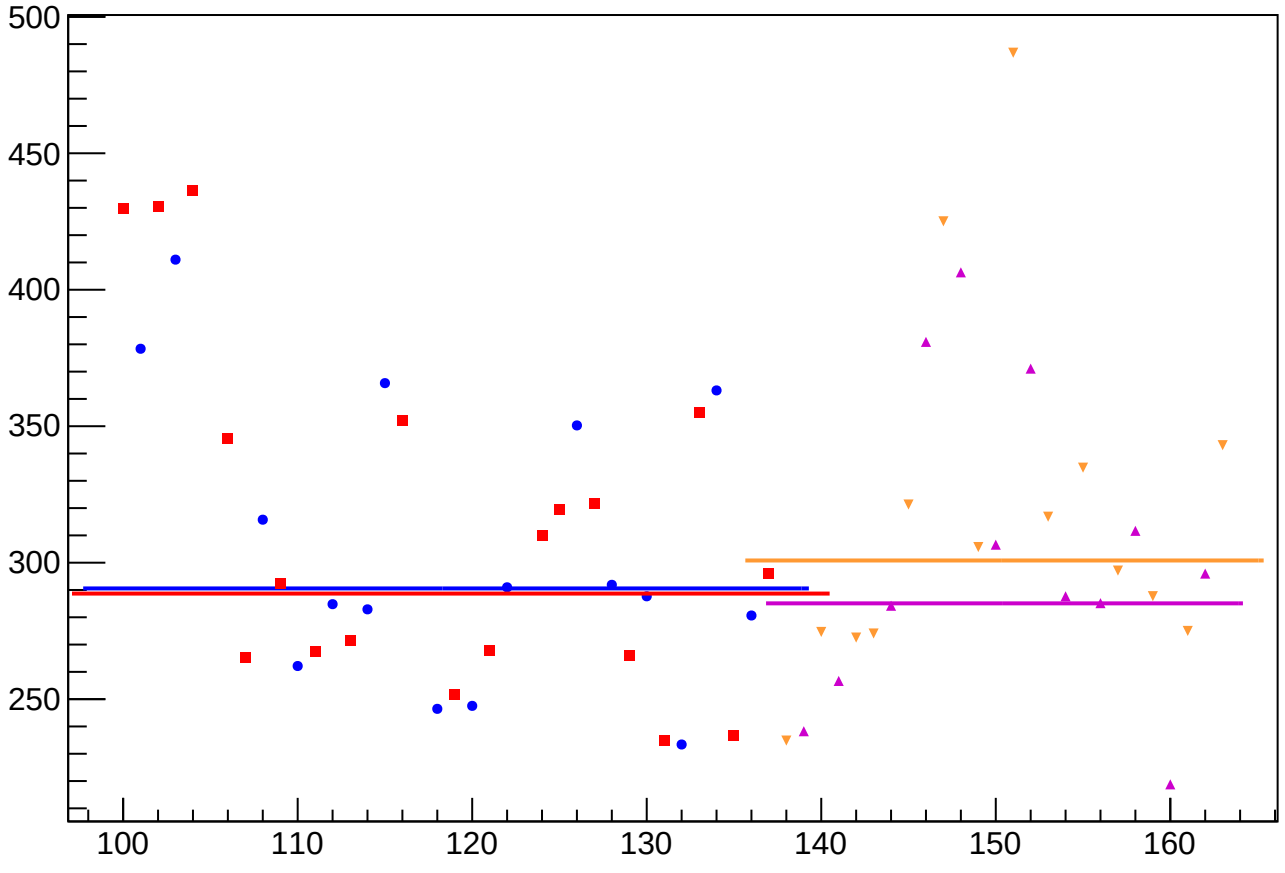
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 5.226+/-70.356 χ^2/NDF:686.7/27

Out: 160.198+/-70.154 χ^2/NDF:1118.6/32

All: 82.934+/-49.678 χ^2/NDF: 1807.7/60

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 300.809+/-0.065 χ^2/NDF:609153.1/13

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 285.103+/-0.064 χ^2/NDF:598192.7/11

Left: 292.872+/-0.046 χ^2/NDF: 1236734.4/25

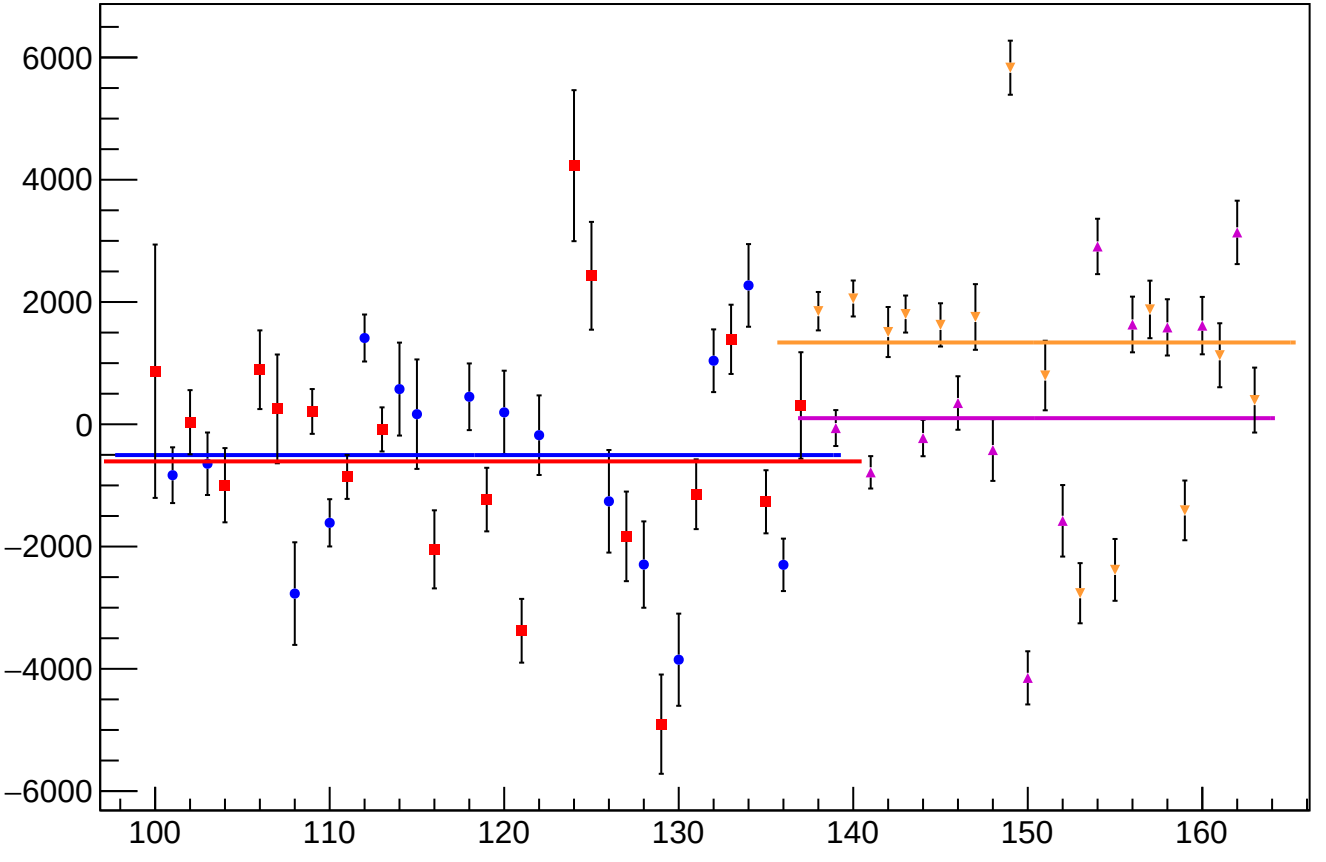
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 287.310+/-0.050 χ^2/NDF:960904.0/27

Out: 295.719+/-0.050 χ^2/NDF:1112796.3/32

All: 291.526+/-0.035 χ^2/NDF: 2088026.6/60

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1338.041+/-110.331 χ^2/NDF:276.4/13

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 100.003+/-113.874 χ^2/NDF:222.6/11

Left: 738.583+/-79.239 χ^2/NDF: 559.9/25

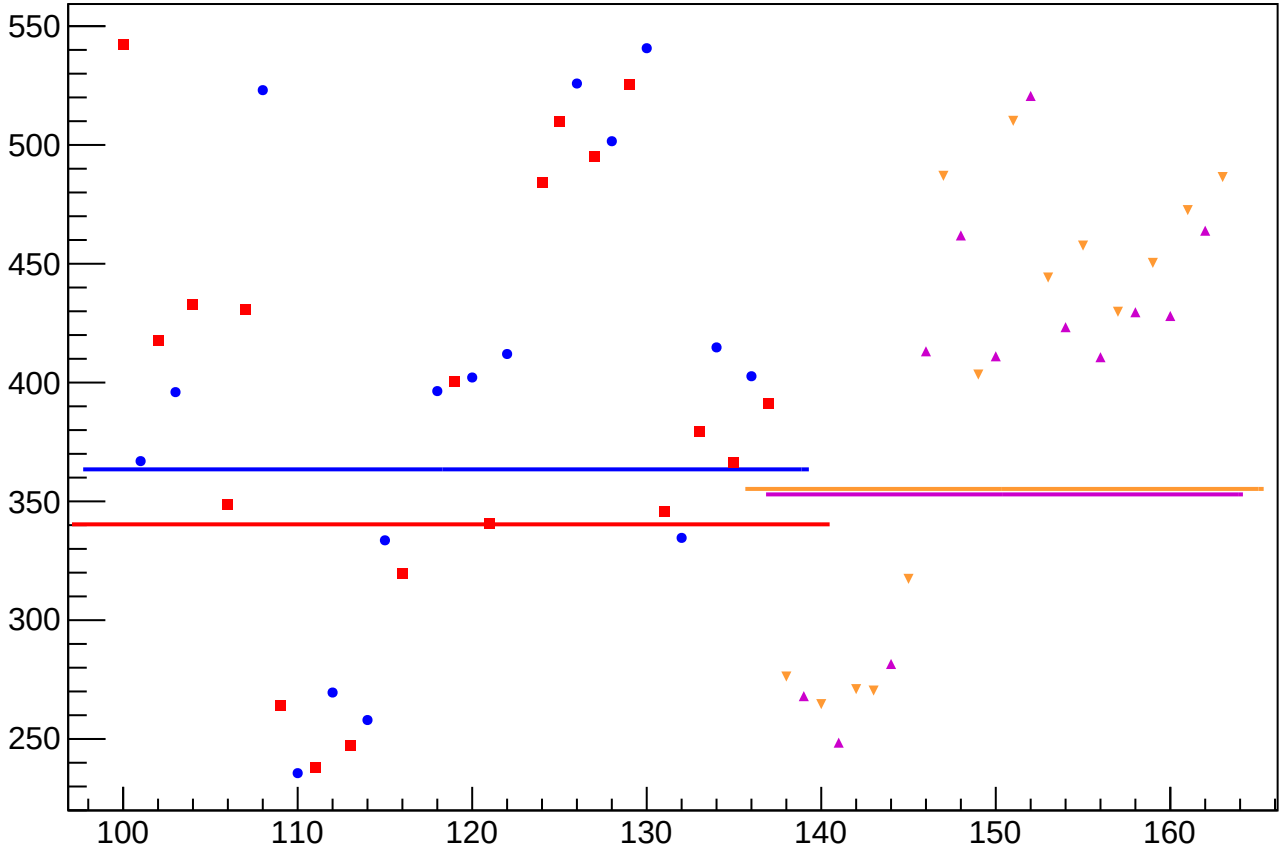
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -140.244+/-88.356 χ^2/NDF:352.0/27

Out: 520.841+/-84.013 χ^2/NDF:532.1/32

All: 206.943+/-60.884 χ^2/NDF: 913.5/60

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 355.240+/-0.078 χ^2/NDF:1368929.6/13

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 352.932+/-0.081 χ^2/NDF:1202364.9/11

Left: 354.123+/-0.056 χ^2/NDF: 2571718.5/25

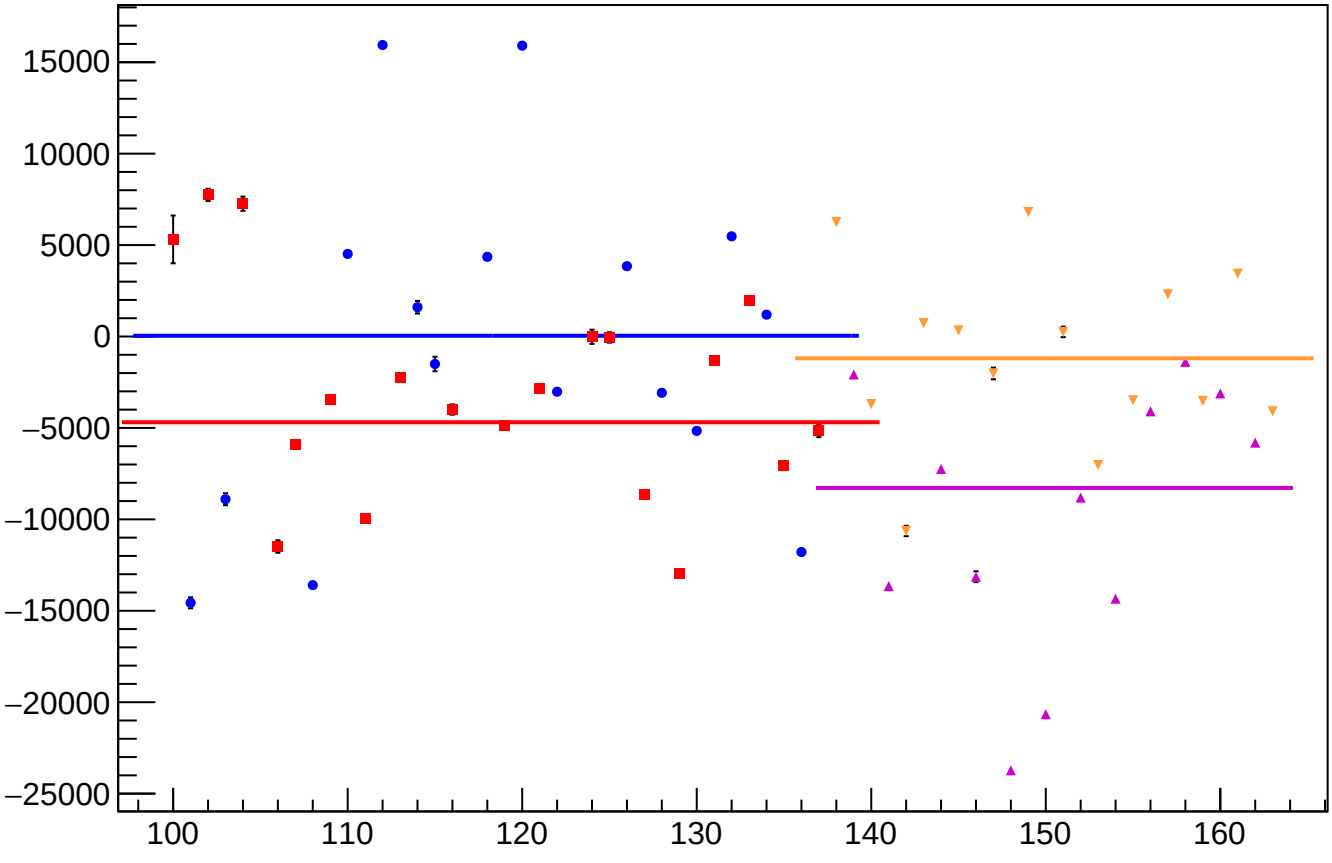
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 357.126+/-0.062 χ^2/NDF:1990075.9/27

Out: 348.976+/-0.059 χ^2/NDF:2240503.2/32

All: 352.846+/-0.043 χ^2/NDF: 4239515.5/60

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1192.515+/-51.839 χ^2/NDF:7670.2/13

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -8279.605+/-54.670 χ^2/NDF:14380.4/11

Left: -4547.845+/-37.617 χ^2/NDF: 30899.5/25

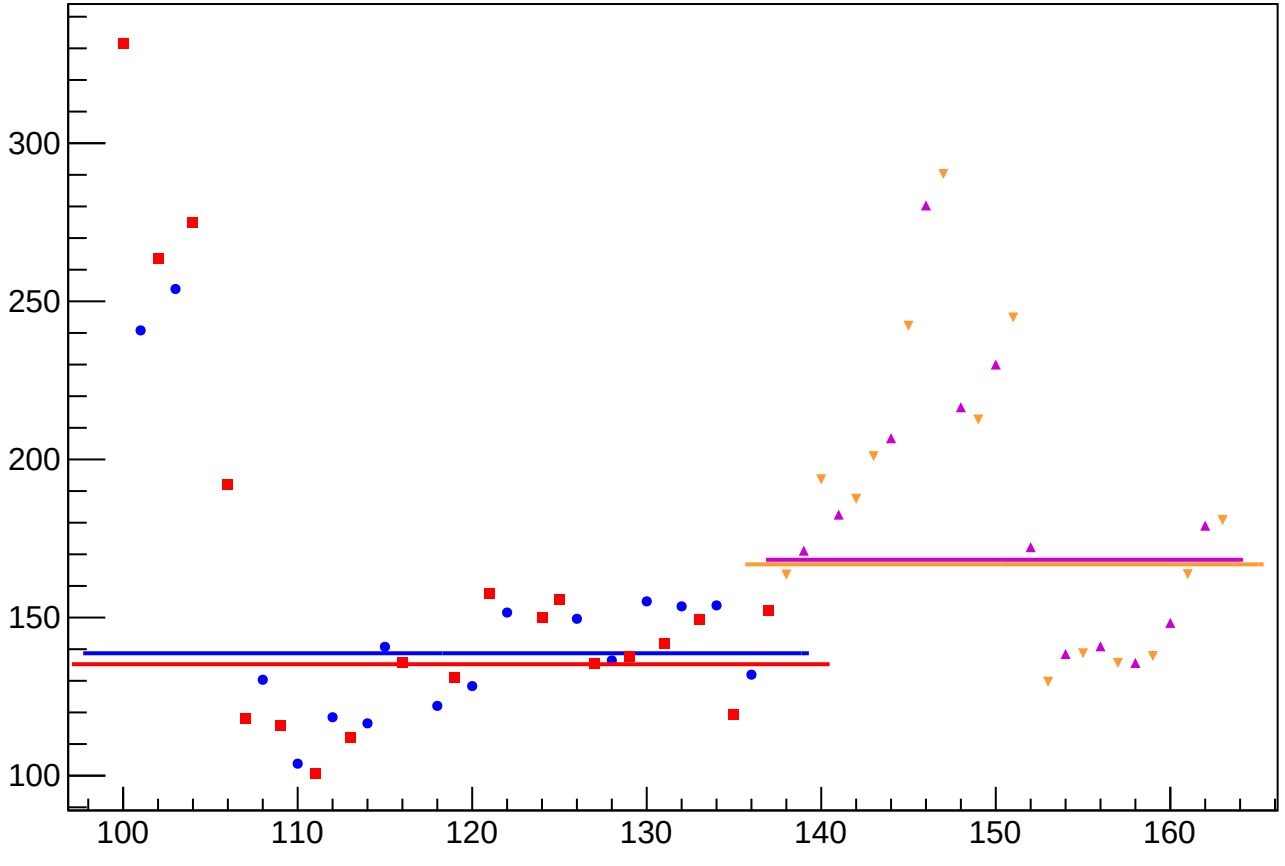
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4083.357+/-38.490 χ^2/NDF:56848.8/27

Out: -2932.496+/-36.746 χ^2/NDF:17730.3/32

All: -3481.267+/-26.578 χ^2/NDF: 75046.8/60

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.822+/-0.037 χ^2/NDF:1136967.8/13

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.274+/-0.039 χ^2/NDF:840197.2/11

Left: 167.509+/-0.027 χ^2/NDF: 1977908.1/25

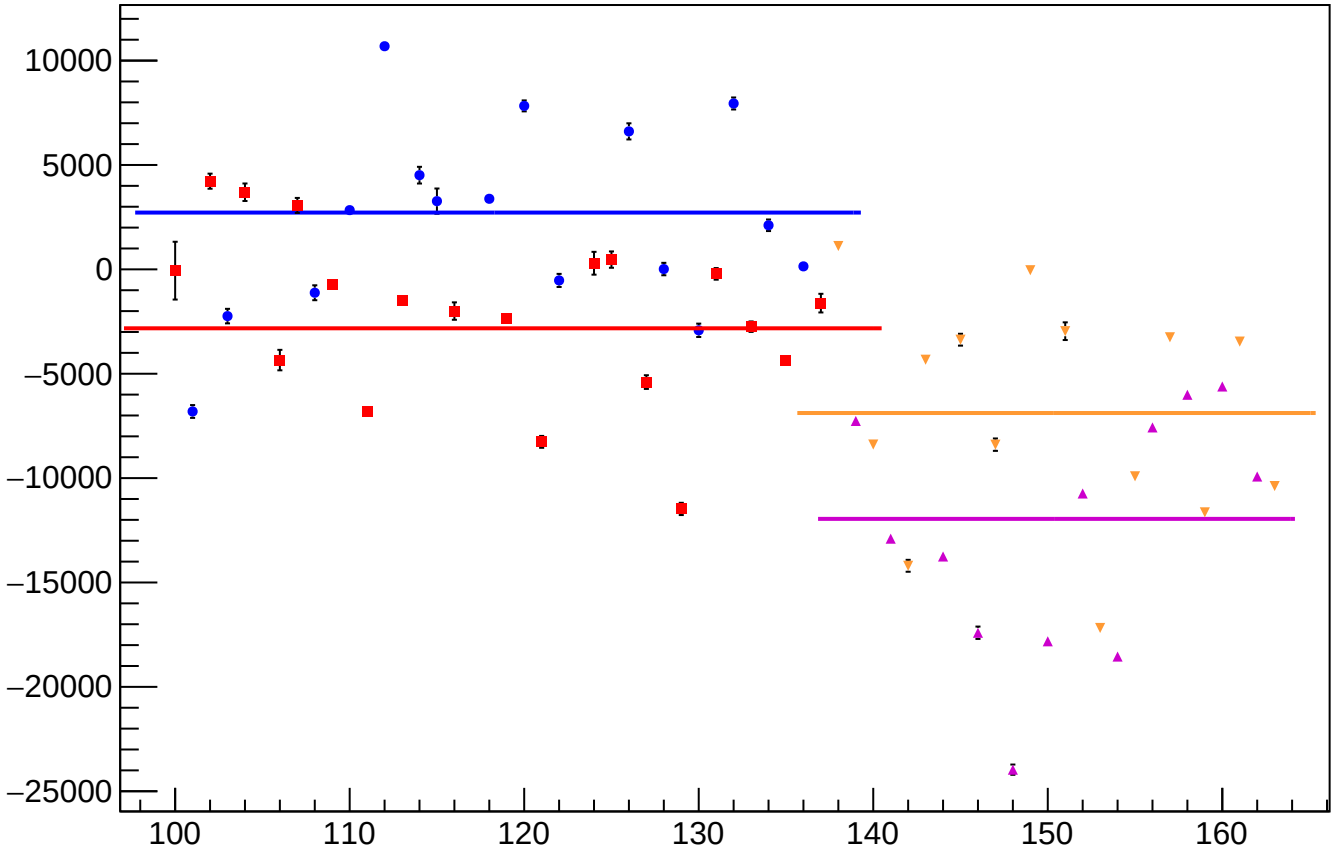
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 153.365+/-0.027 χ^2/NDF:1792914.9/27

Out: 151.111+/-0.026 χ^2/NDF:2396198.2/32

All: 152.186+/-0.019 χ^2/NDF: 4192701.0/60

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6881.559+/-61.536 χ^2/NDF:7861.1/13

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11952.795+/-57.005 χ^2/NDF:9124.0/11

Left: -9610.757+/-41.819 χ^2/NDF: 20640.1/25

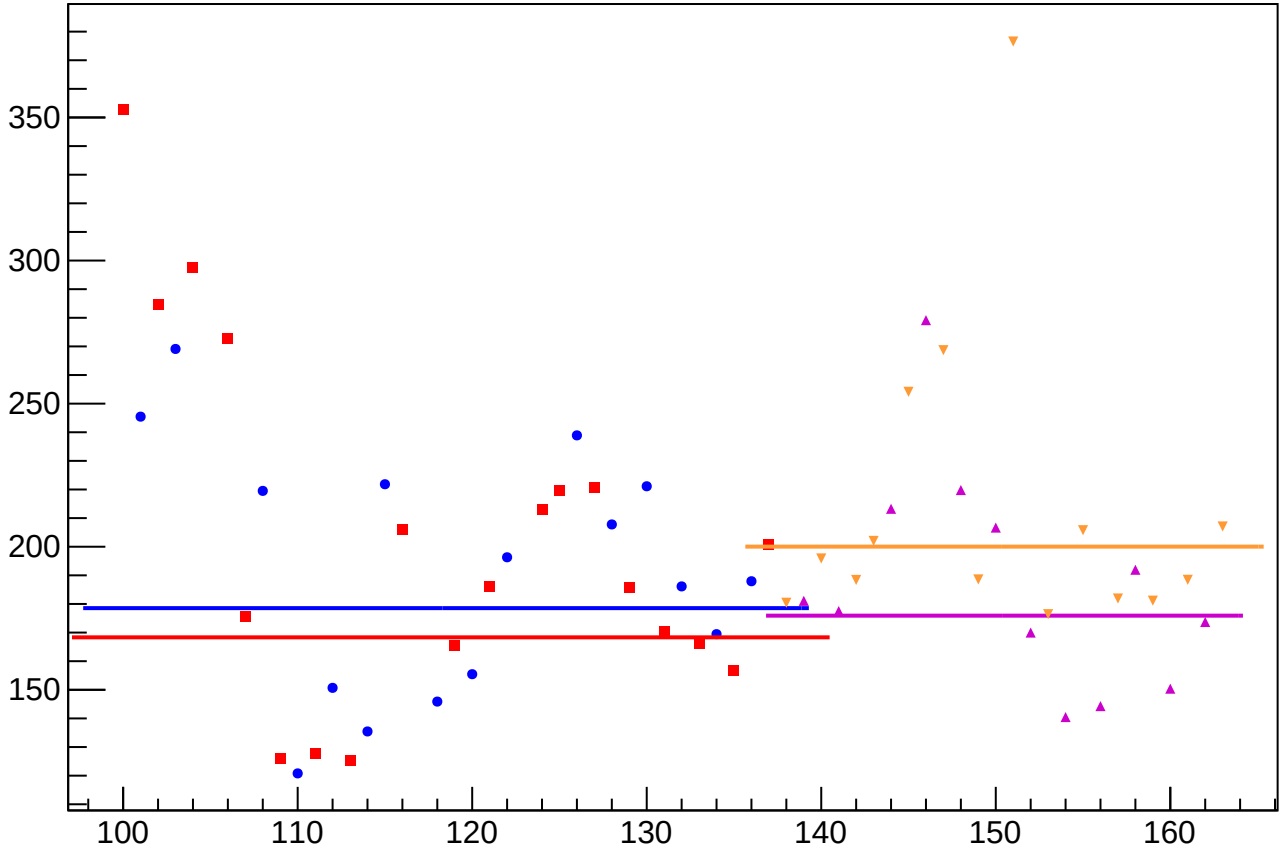
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6025.958+/-44.011 χ^2/NDF:40014.8/27

Out: -4958.943+/-44.638 χ^2/NDF:12984.1/32

All: -5500.006+/-31.340 χ^2/NDF: 53288.7/60

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 200.035+/-0.044 χ^2/NDF:625287.4/13

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 175.912+/-0.040 χ^2/NDF:647707.3/11

Left: 187.053+/-0.030 χ^2/NDF: 1438399.9/25

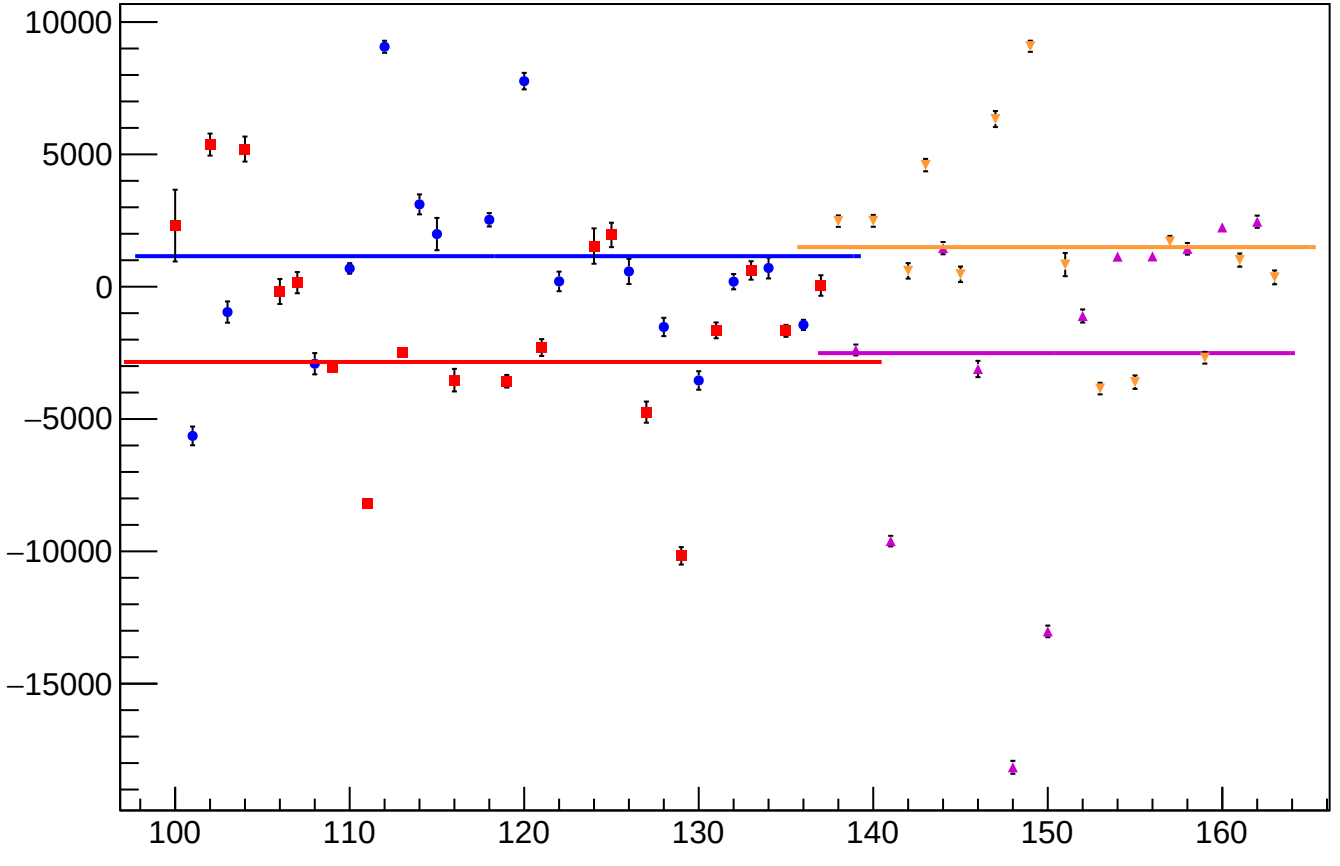
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 176.974+/-0.031 χ^2/NDF:1323991.4/27

Out: 185.015+/-0.032 χ^2/NDF:1856246.5/32

All: 180.938+/-0.022 χ^2/NDF: 3213150.4/60

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1495.123+/-66.019 χ^2/NDF:3156.6/13

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -2509.475+/-61.010 χ^2/NDF:10305.1/11

Left: -664.834+/-44.807 χ^2/NDF: 15446.3/25

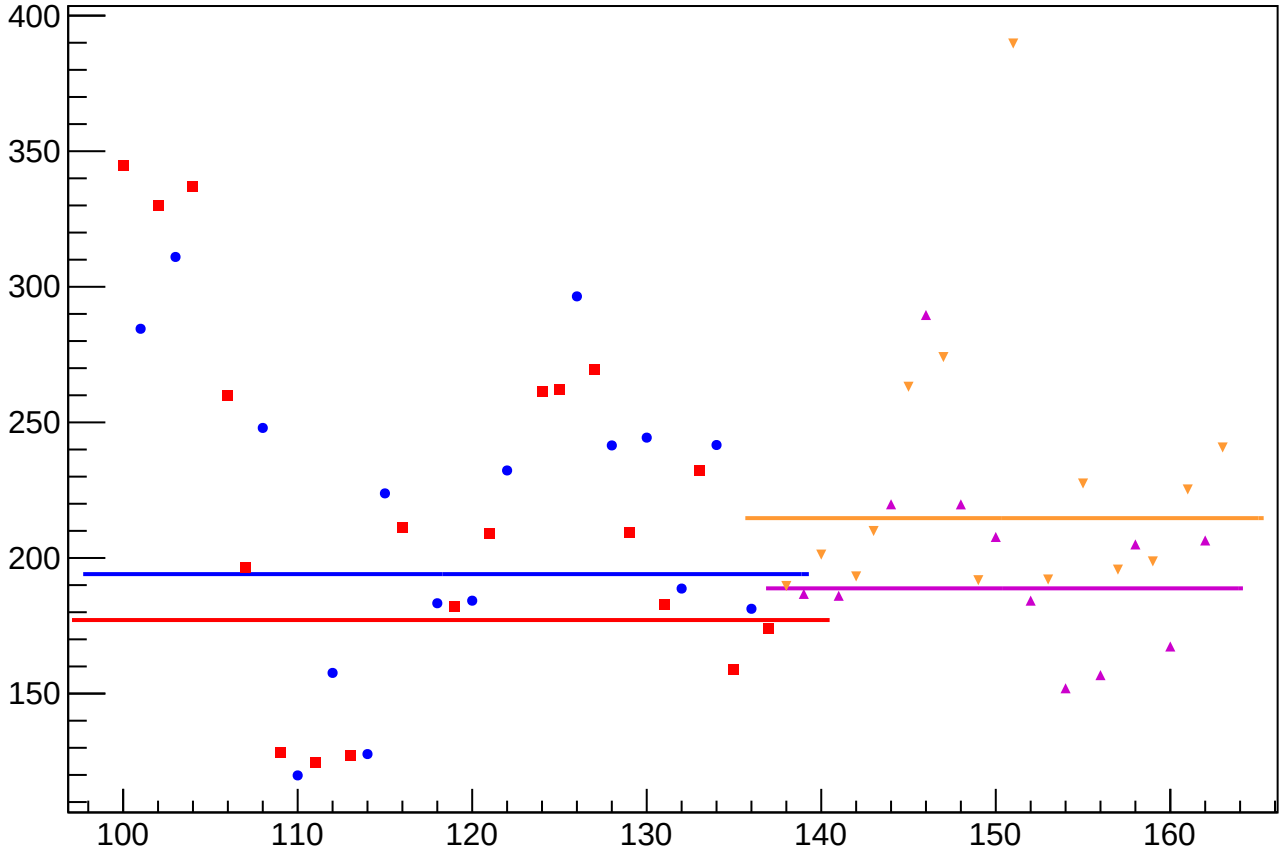
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -1072.886+/-47.566 χ^2/NDF:14374.3/27

Out: -574.271+/-47.747 χ^2/NDF:7669.9/32

All: -824.527+/-33.698 χ^2/NDF: 22099.0/60

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.695+/-0.047 χ^2/NDF:592598.7/13

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 188.802+/-0.043 χ^2/NDF:512568.4/11

Left: 200.729+/-0.032 χ^2/NDF: 1271099.9/25

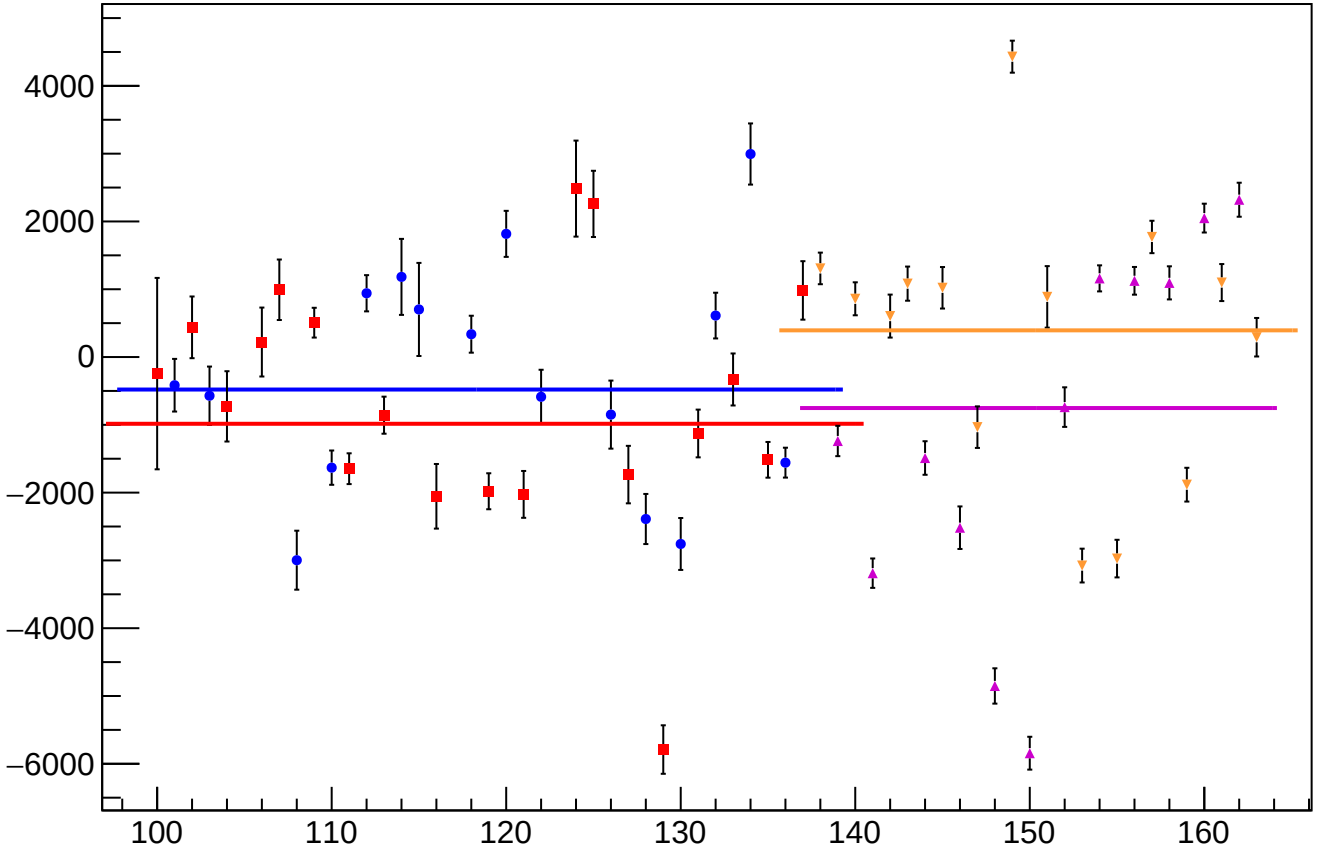
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 190.861+/-0.034 χ^2/NDF:1484163.7/27

Out: 196.772+/-0.034 χ^2/NDF:2261013.9/32

All: 193.805+/-0.024 χ^2/NDF: 3760560.1/60

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 393.690+/-71.860 χ^2/NDF:811.0/13

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -752.308+/-67.884 χ^2/NDF:1424.7/11

Left: -211.891+/-49.347 χ^2/NDF: 2370.0/25

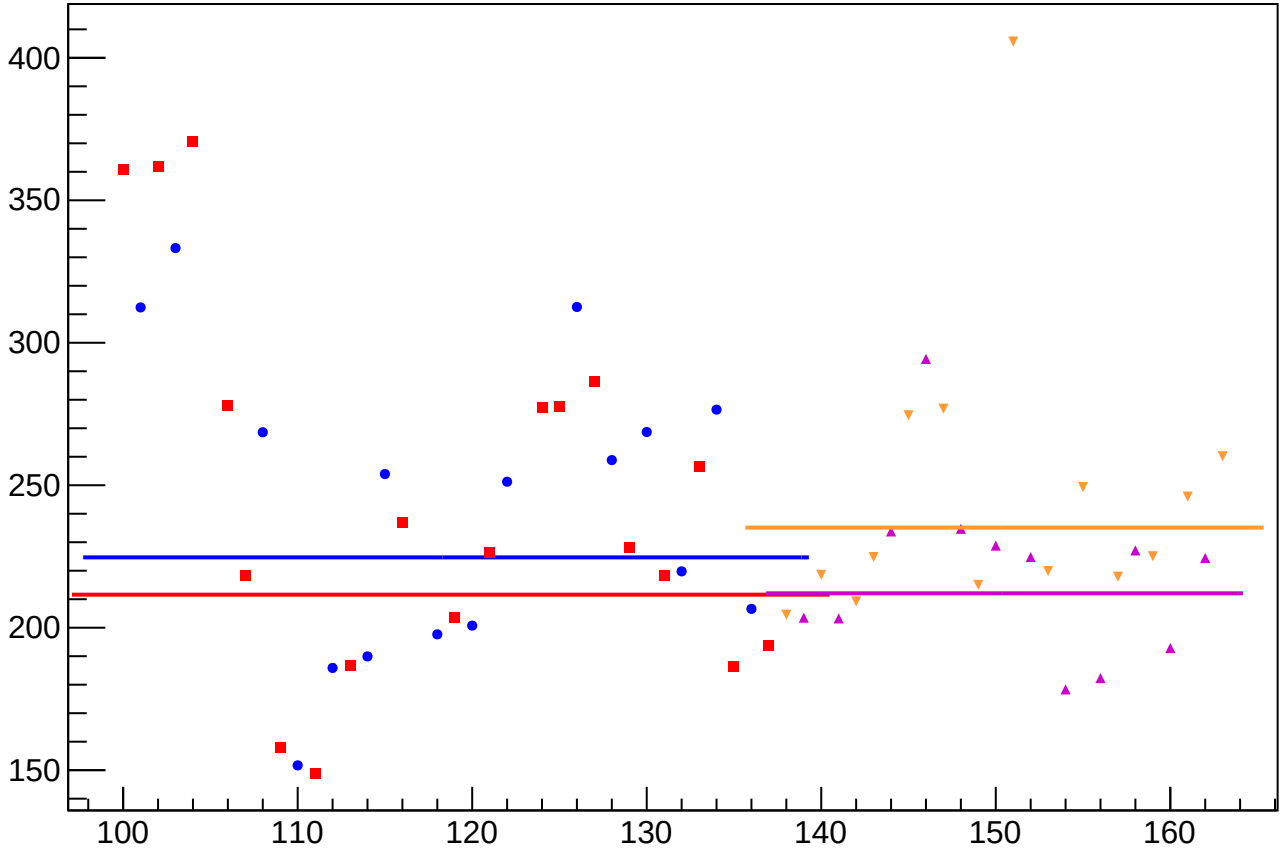
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -648.528+/-53.446 χ^2/NDF:1736.3/27

Out: -213.751+/-53.739 χ^2/NDF:1371.2/32

All: -432.329+/-37.895 χ^2/NDF: 3140.4/60

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.135+/-0.051 χ^2/NDF:472813.8/13

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 212.074+/-0.048 χ^2/NDF:320149.6/11

Left: 222.949+/-0.035 χ^2/NDF: 901799.9/25

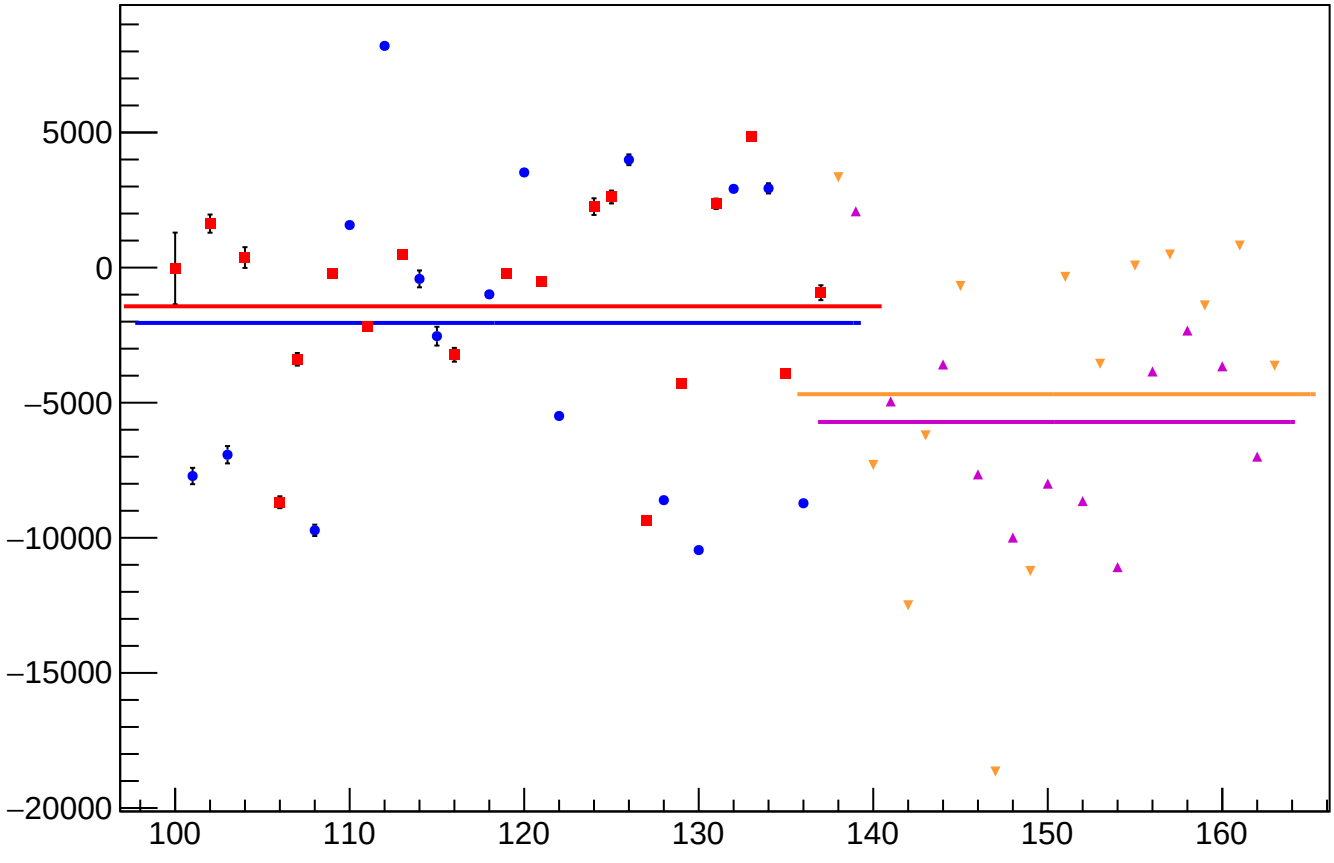
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 216.867+/-0.038 χ^2/NDF:999570.7/27

Out: 224.759+/-0.038 χ^2/NDF:1500307.2/32

All: 220.792+/-0.027 χ^2/NDF: 2521564.5/60

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4685.314+/-35.988 χ^2/NDF:29694.6/13

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5713.097+/-37.583 χ^2/NDF:9269.0/11

Left: -5176.925+/-25.993 χ^2/NDF: 39353.7/25

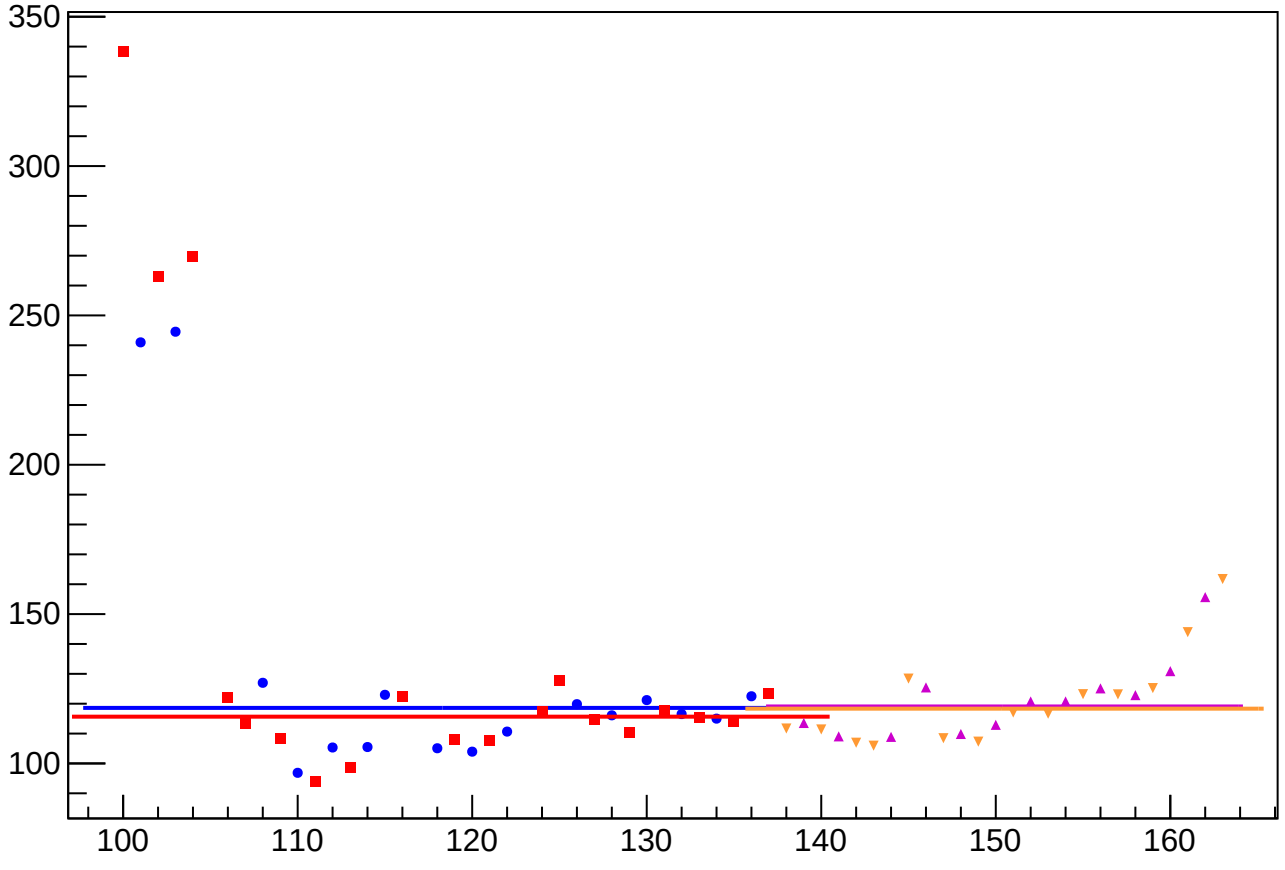
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4272.941+/-29.285 χ^2/NDF:29715.7/27

Out: -3407.257+/-28.039 χ^2/NDF:39292.0/32

All: -3821.297+/-20.253 χ^2/NDF: 69463.6/60

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 118.339+/-0.025 χ^2/NDF:265739.8/13

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 119.077+/-0.027 χ^2/NDF:162611.2/11

Left: 118.692+/-0.018 χ^2/NDF: 428753.7/25

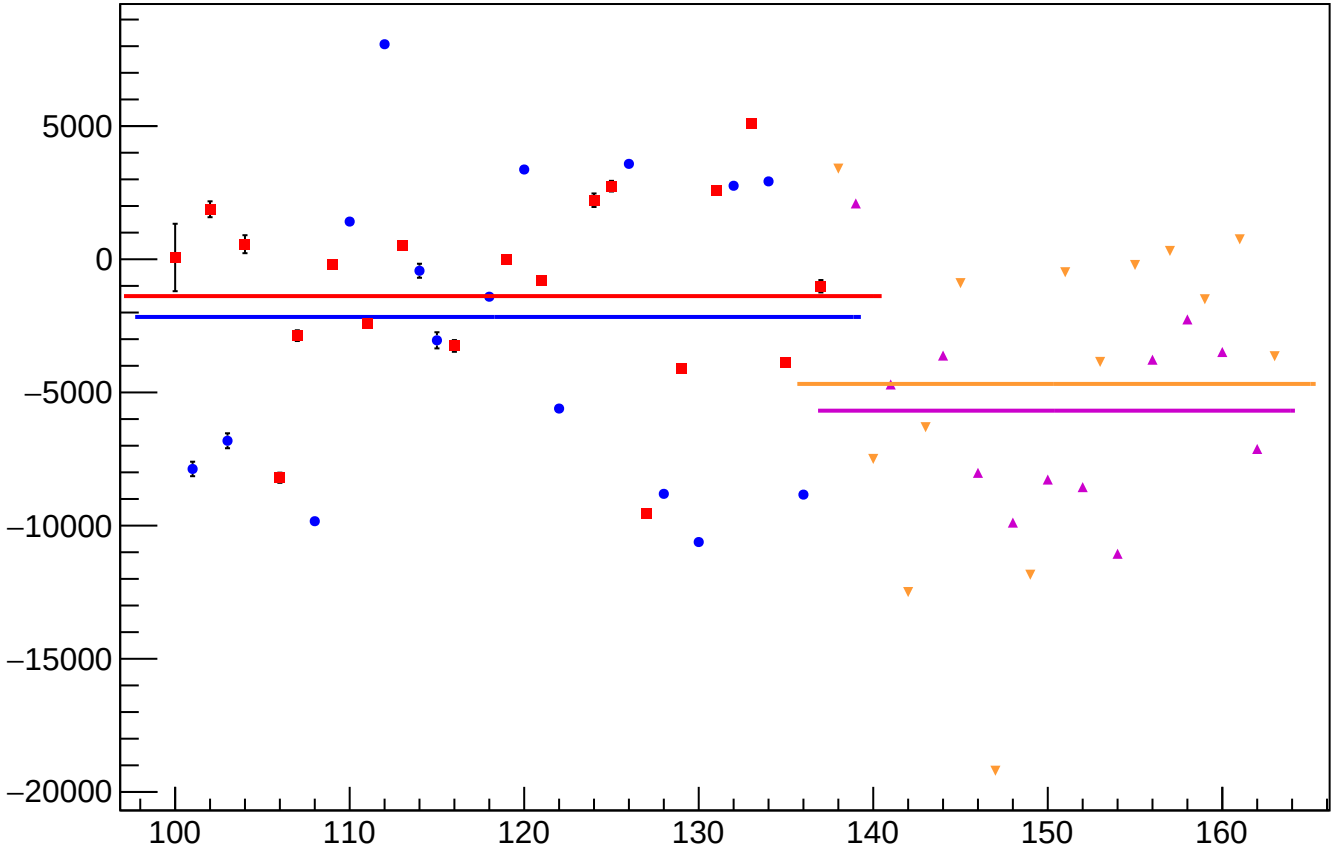
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 118.888+/-0.021 χ^2/NDF:896898.8/27

Out: 117.286+/-0.020 χ^2/NDF:1134301.8/32

All: 118.052+/-0.014 χ^2/NDF: 2034323.4/60

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4680.079+/-32.408 χ^2/NDF:36117.7/13

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5684.411+/-34.213 χ^2/NDF:11459.4/11

Left: -5155.052+/-23.528 χ^2/NDF: 48031.3/25

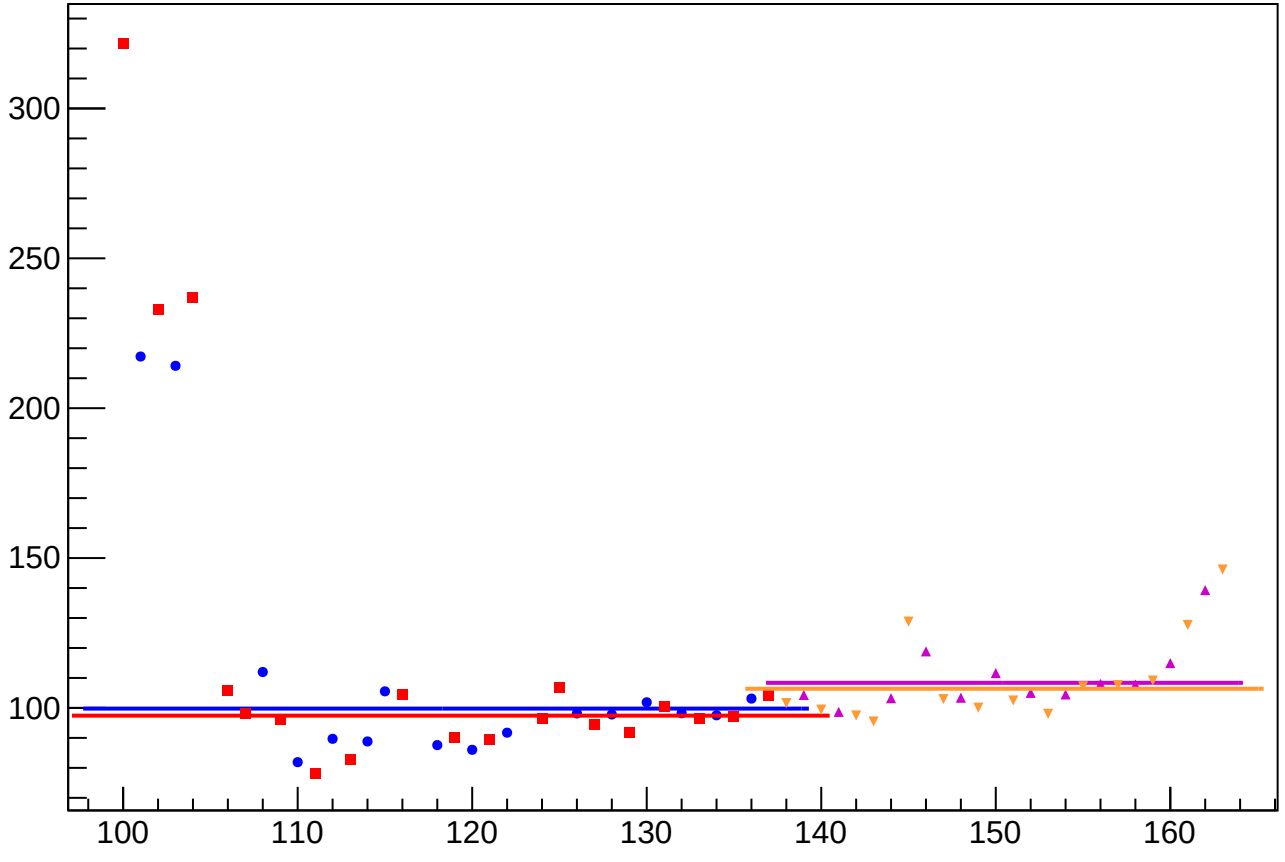
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4181.972+/-25.898 χ^2/NDF:38850.5/27

Out: -3290.797+/-24.652 χ^2/NDF:49627.5/32

All: -3714.426+/-17.856 χ^2/NDF: 89099.2/60

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 106.402+/-0.023 χ^2/NDF:279055.7/13

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 108.372+/-0.024 χ^2/NDF:130399.6/11

Left: 107.334+/-0.017 χ^2/NDF: 412950.1/25

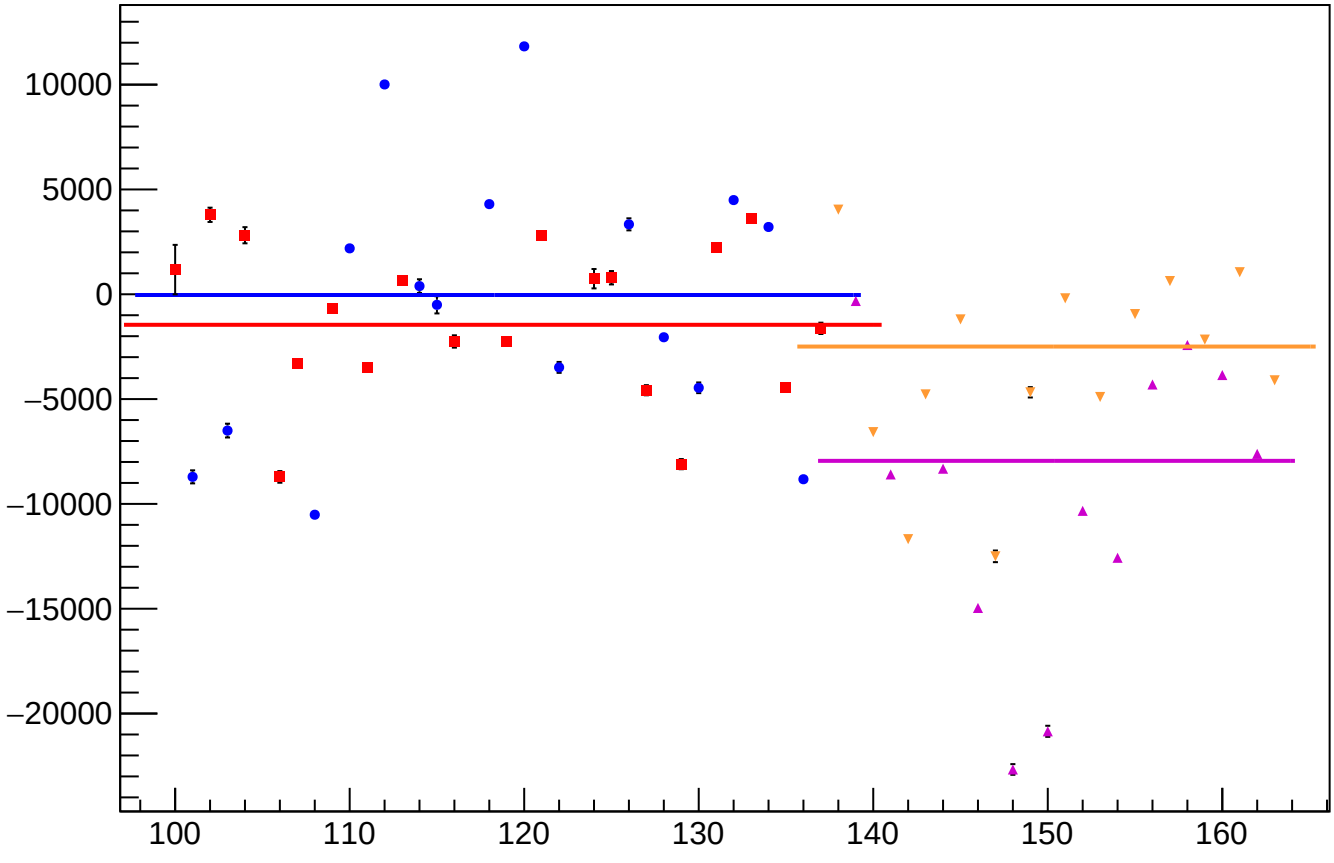
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 104.701+/-0.018 χ^2/NDF:993480.3/27

Out: 102.620+/-0.017 χ^2/NDF:1269731.8/32

All: 103.609+/-0.013 χ^2/NDF: 2269983.6/60

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2494.160+/-46.783 χ^2/NDF:6981.4/13

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -7946.701+/-50.112 χ^2/NDF:12844.3/11

Left: -5033.312+/-34.197 χ^2/NDF: 26151.5/25

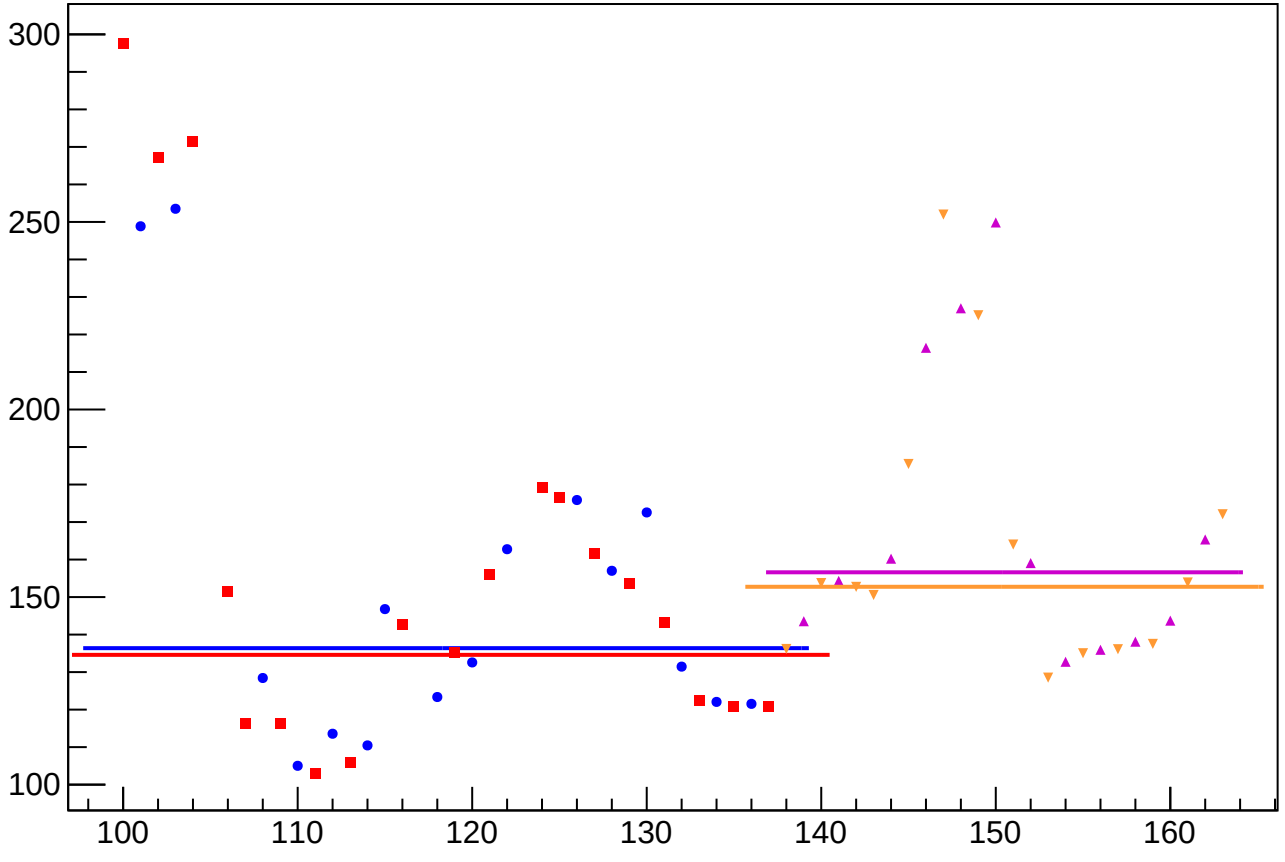
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4246.546+/-36.563 χ^2/NDF:41305.0/27

Out: -2029.516+/-34.763 χ^2/NDF:11318.7/32

All: -3082.128+/-25.193 χ^2/NDF: 54554.8/60

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 152.745+/-0.033 χ^2/NDF:659708.7/13

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 156.605+/-0.035 χ^2/NDF:695700.6/11

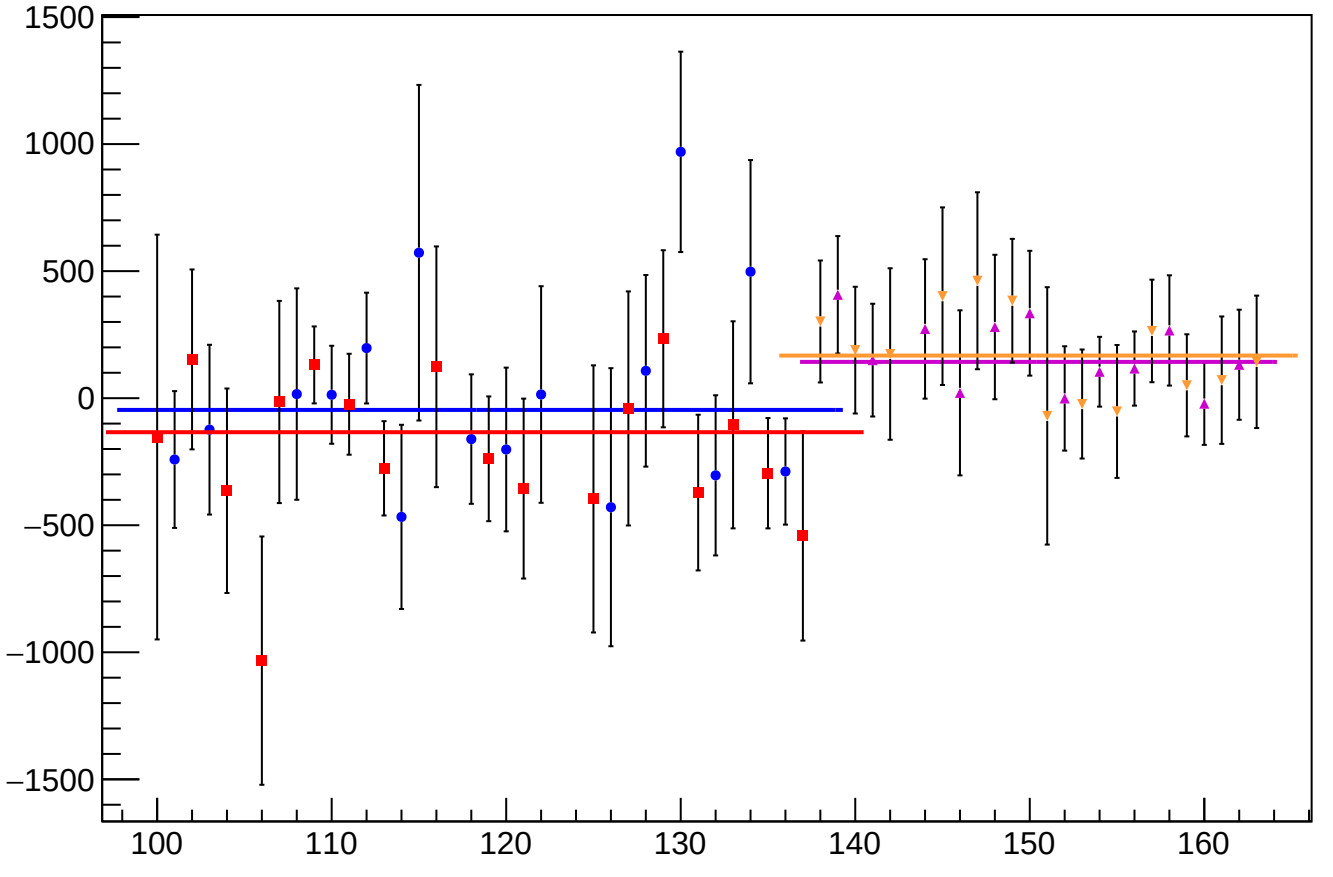
Left: 154.542+/-0.024 χ^2/NDF: 1361751.0/25

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 147.148+/-0.026 χ^2/NDF:1644858.8/27

Out: 144.618+/-0.025 χ^2/NDF:1714072.4/32

All: 145.819+/-0.018 χ^2/NDF: 3363962.0/60



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 167.746+/-71.477 χ^2/NDF:4.7/12

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 142.794+/-58.225 χ^2/NDF:4.5/11

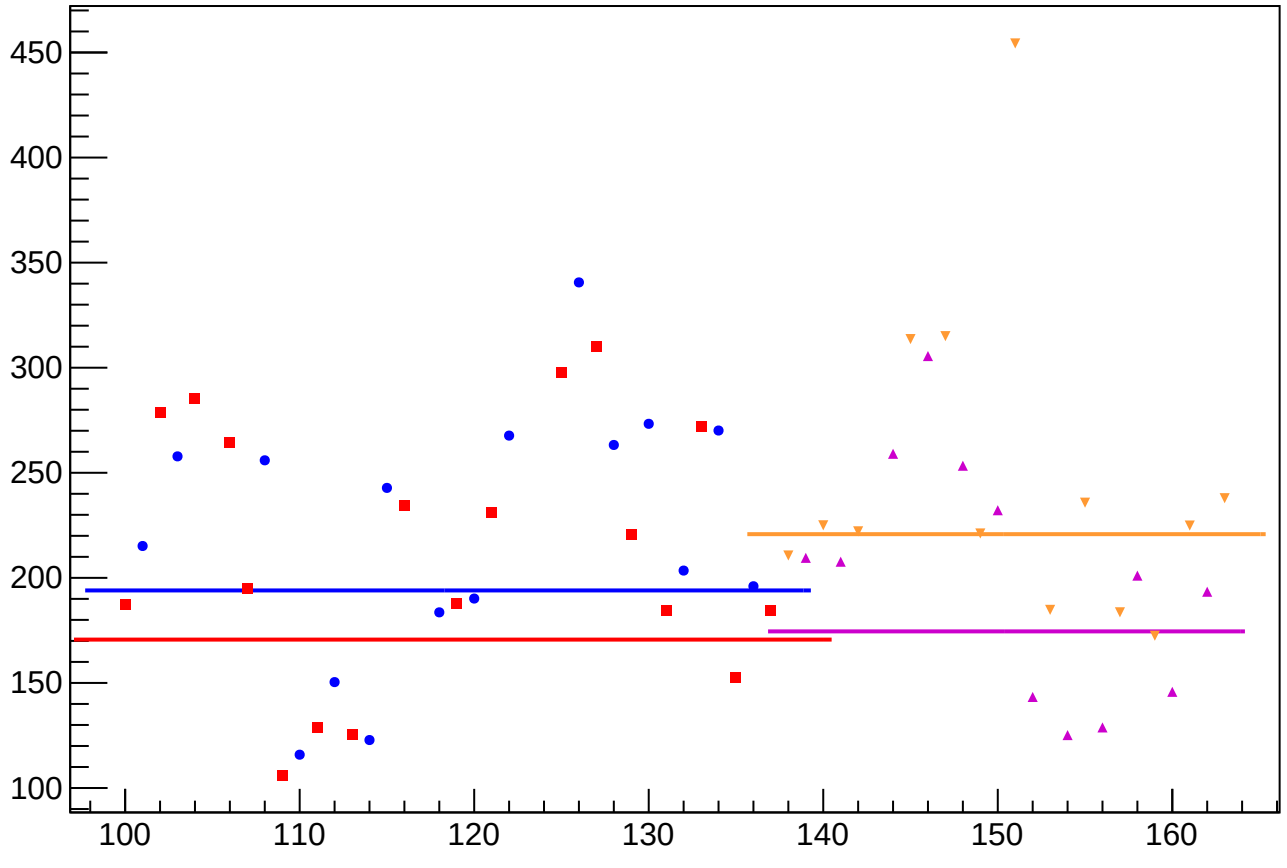
Left: 152.747+/-45.143 χ^2/NDF: 9.3/24

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 73.221+/-46.284 χ^2/NDF:23.8/27

Out: 10.313+/-49.423 χ^2/NDF:26.8/30

All: 43.828+/-33.783 χ^2/NDF: 51.5/58



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 220.795+/-0.051 χ^2/NDF:972498.0/12

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 174.528+/-0.041 χ^2/NDF:1478091.5/11

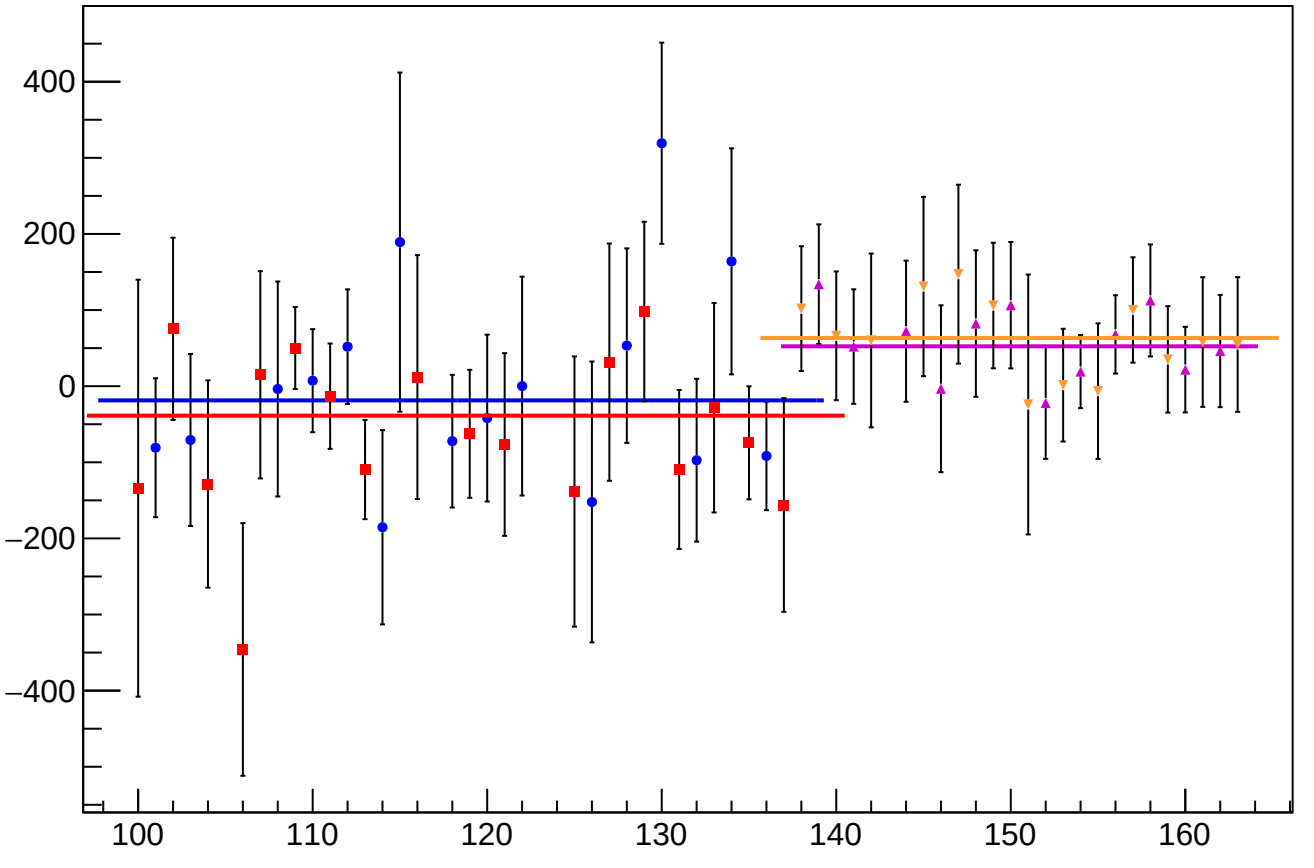
Left: 192.983+/-0.032 χ^2/NDF: 2954305.0/24

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 181.702+/-0.033 χ^2/NDF:2604165.4/27

Out: 194.611+/-0.035 χ^2/NDF:3080487.7/30

All: 187.734+/-0.024 χ^2/NDF: 5757338.7/58



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 63.389+/-24.409 χ^2/NDF:3.4/12

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 52.371+/-20.109 χ^2/NDF:4.5/11

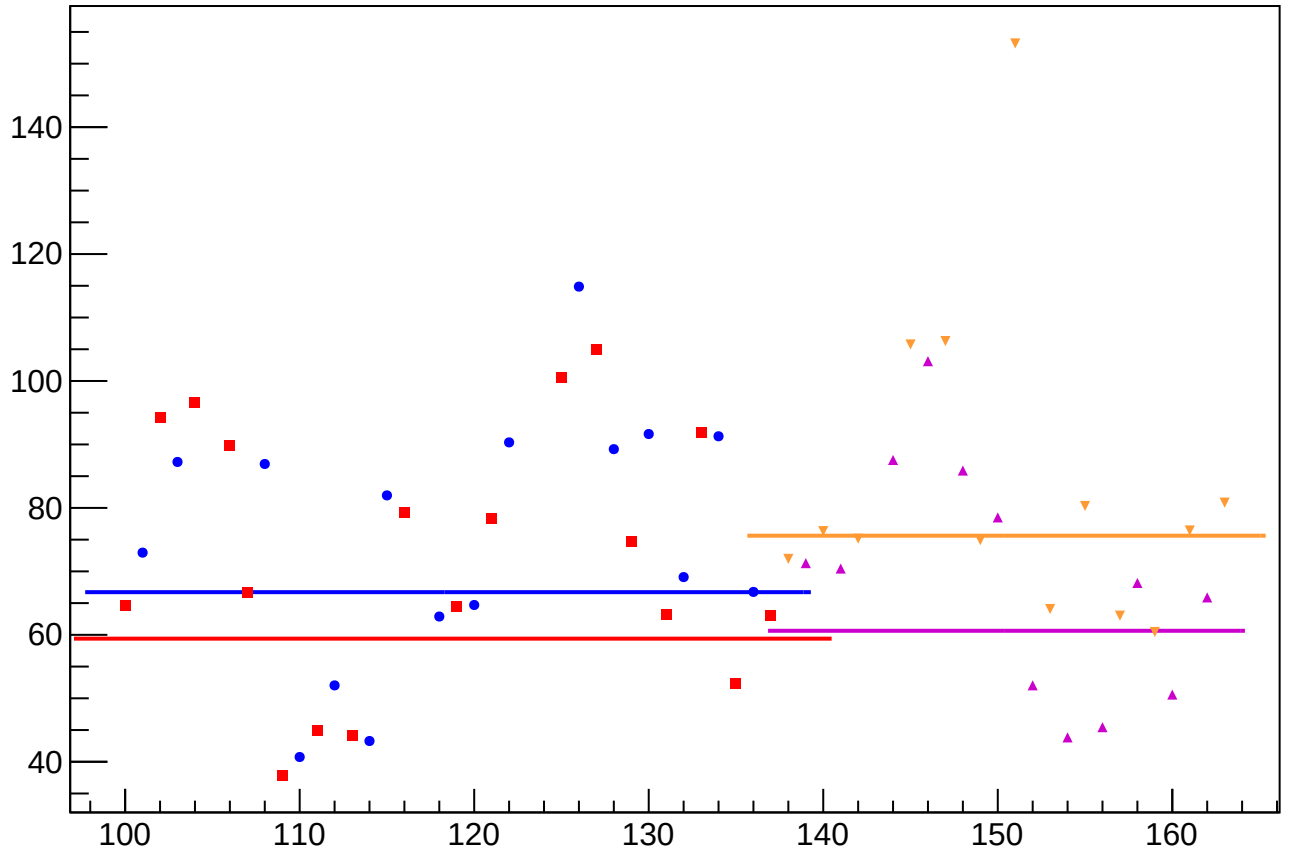
Left: 56.826+/-15.521 χ^2/NDF: 8.0/24

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 25.946+/-15.935 χ^2/NDF:24.3/27

Out: 10.729+/-16.986 χ^2/NDF:25.0/30

All: 18.823+/-11.621 χ^2/NDF: 49.8/58



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 75.622+/-0.017 χ^2/NDF:905889.9/12

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 60.640+/-0.014 χ^2/NDF:1311478.9/11

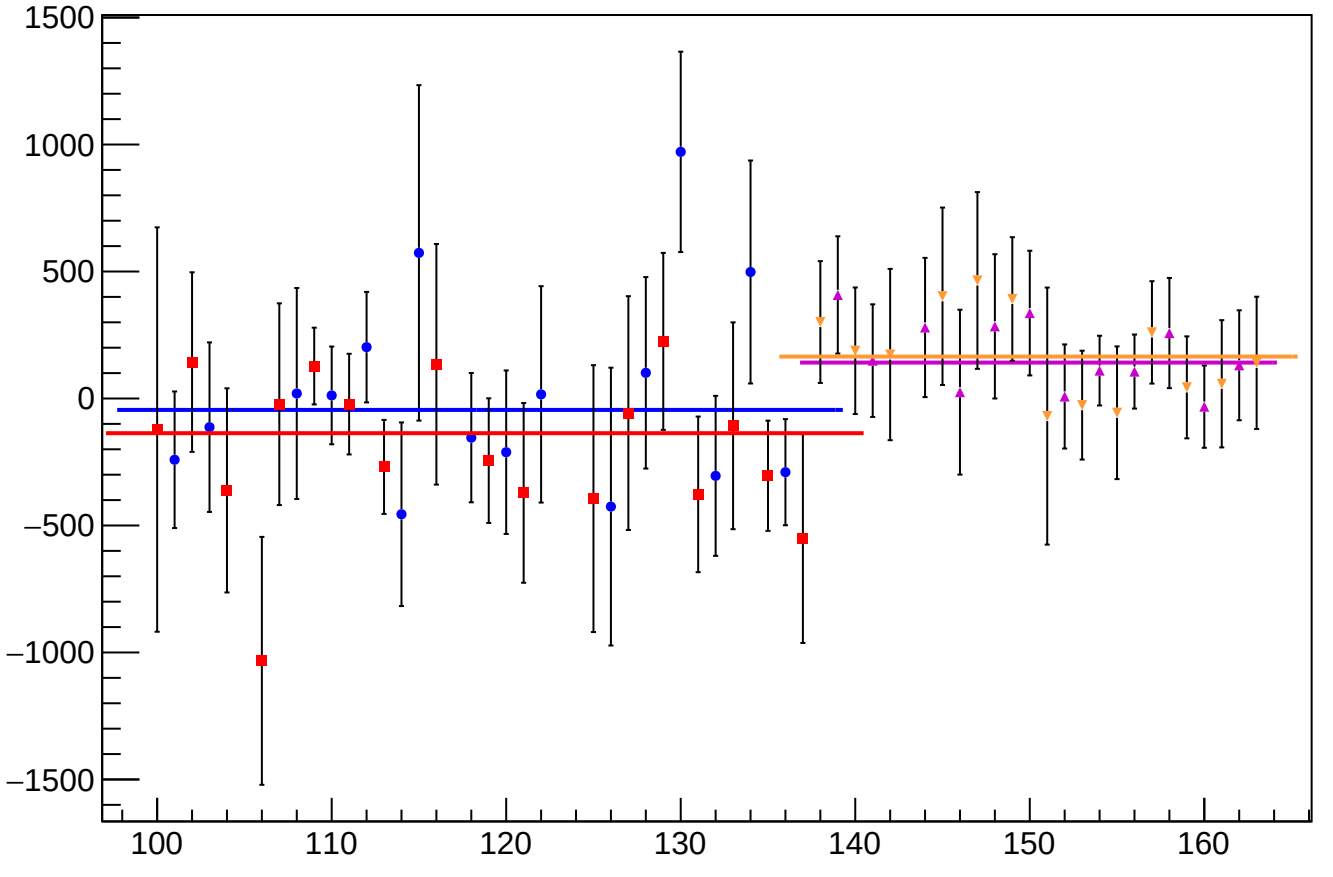
Left: 66.697+/-0.011 χ^2/NDF: 2666248.1/24

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.904+/-0.011 χ^2/NDF:2326649.0/27

Out: 67.256+/-0.012 χ^2/NDF:2806856.1/30

All: 64.941+/-0.008 χ^2/NDF: 5203344.7/58



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 165.106+/-71.417 χ^2/NDF:4.9/12

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 141.493+/-58.173 χ^2/NDF:4.6/11

Left: 150.911+/-45.104 χ^2/NDF: 9.5/24

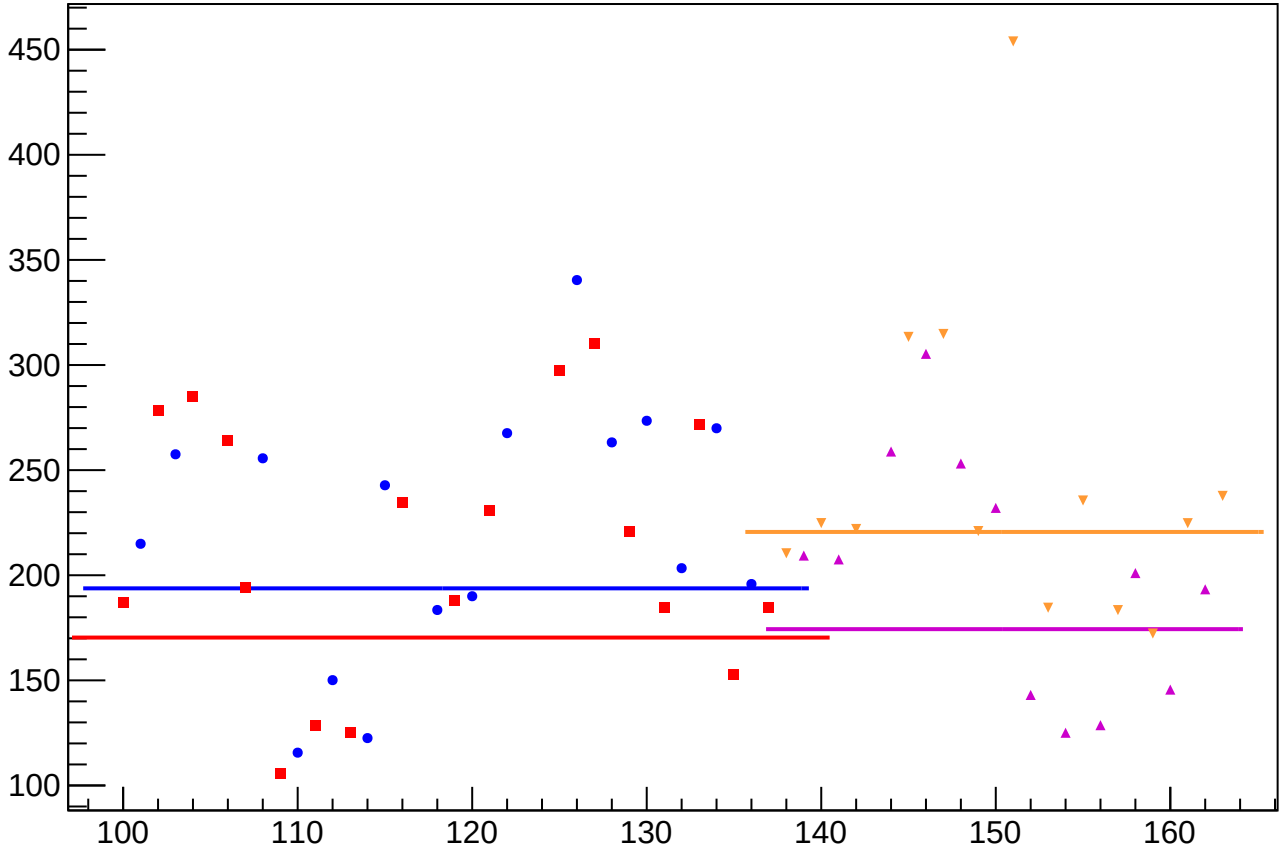
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 72.852+/-46.238 χ^2/NDF:23.8/27

Out: 7.586+/-49.369 χ^2/NDF:27.1/30

All: 42.354+/-33.748 χ^2/NDF: 51.8/58

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 220.601+/-0.050 χ^2/NDF:973242.3/12

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 174.360+/-0.041 χ^2/NDF:1480177.3/11

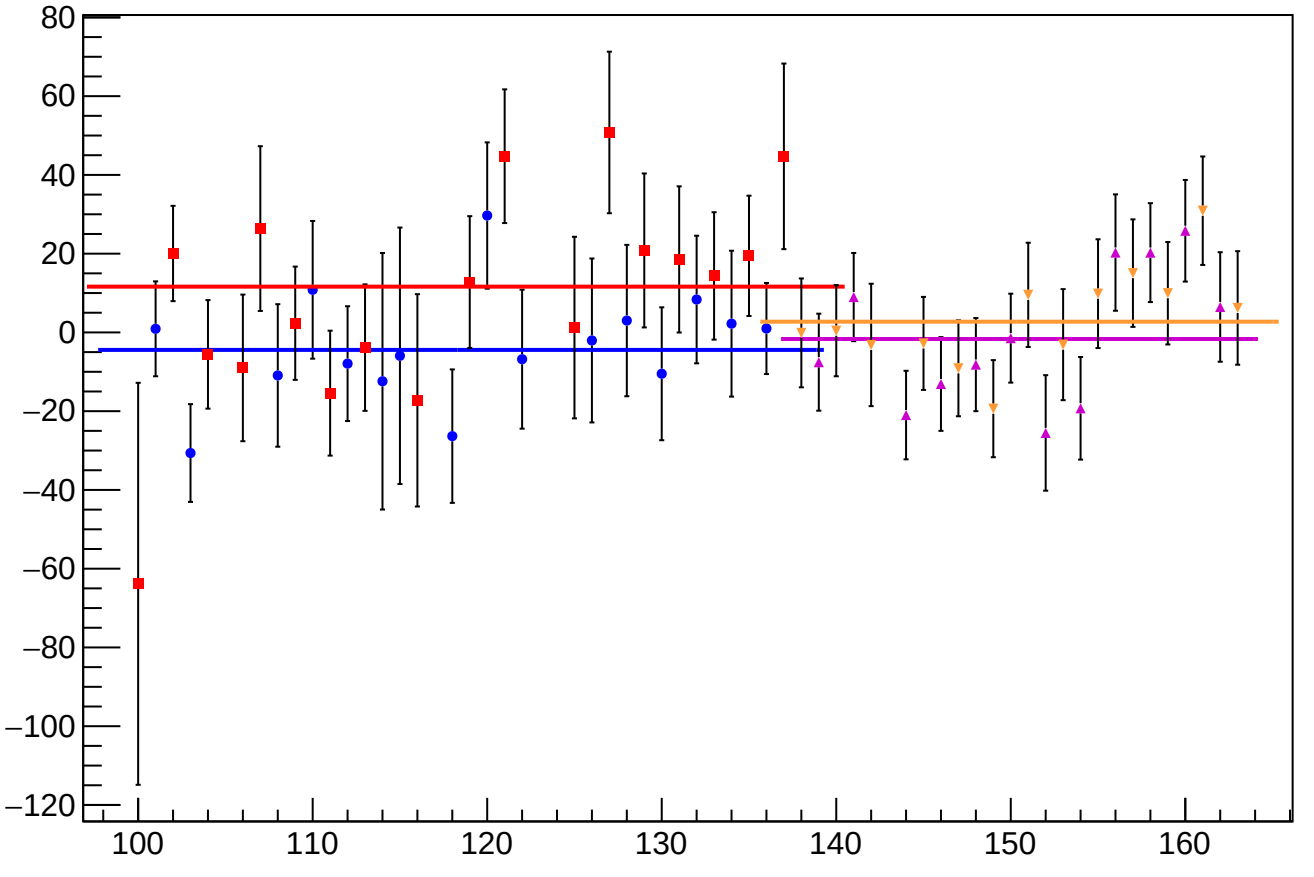
Left: 192.803+/-0.032 χ^2/NDF: 2957465.1/24

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 181.506+/-0.033 χ^2/NDF:2610245.8/27

Out: 194.367+/-0.035 χ^2/NDF:3089123.9/30

All: 187.516+/-0.024 χ^2/NDF: 5771674.6/58



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.727+/-3.660 χ^2/NDF:10.7/12

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.672+/-3.600 χ^2/NDF:19.9/11

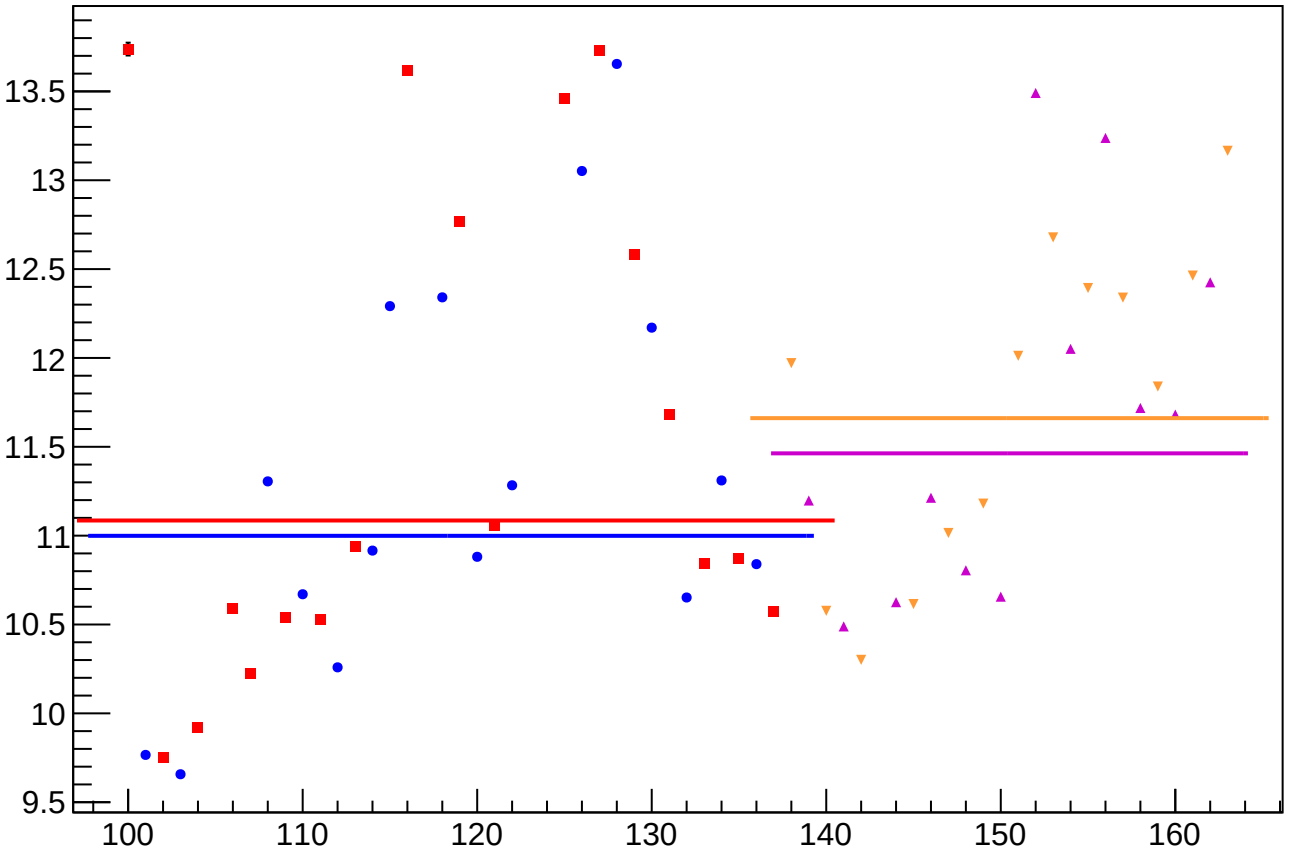
Left: 0.492+/-2.566 χ^2/NDF: 31.3/24

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.867+/-2.714 χ^2/NDF:32.2/27

Out: 6.635+/-2.741 χ^2/NDF:34.9/30

All: 1.837+/-1.929 χ^2/NDF: 73.1/58



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.661+/-0.003 χ^2/NDF:109544.5/12

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.463+/-0.003 χ^2/NDF:126582.1/11

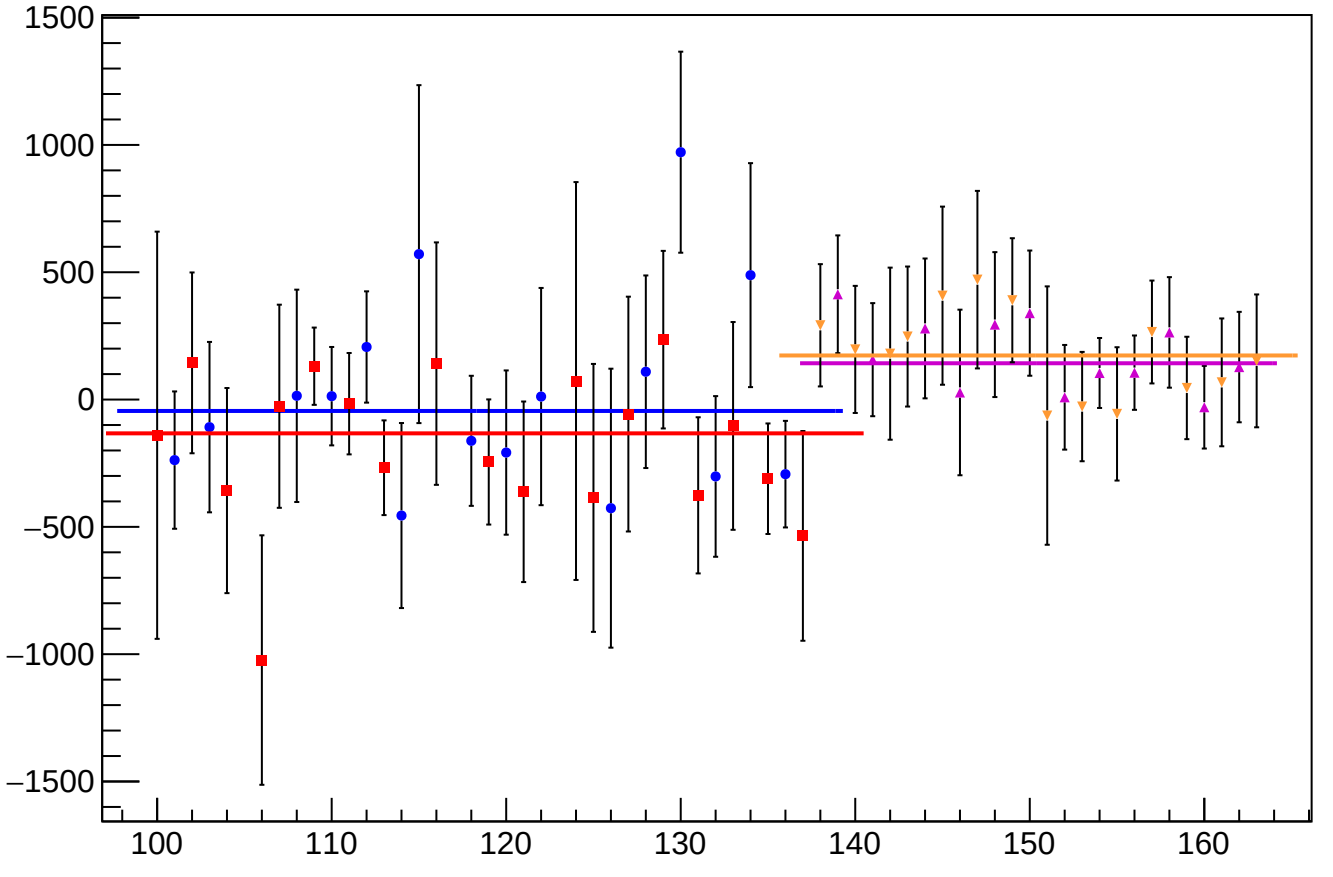
Left: 11.561+/-0.002 χ^2/NDF: 239105.0/24

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.263+/-0.002 χ^2/NDF:277089.7/27

Out: 11.408+/-0.002 χ^2/NDF:293497.7/30

All: 11.335+/-0.001 χ^2/NDF: 573435.5/58



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 173.141+/-69.240 χ^2/NDF:5.0/13

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 142.552+/-58.266 χ^2/NDF:4.7/11

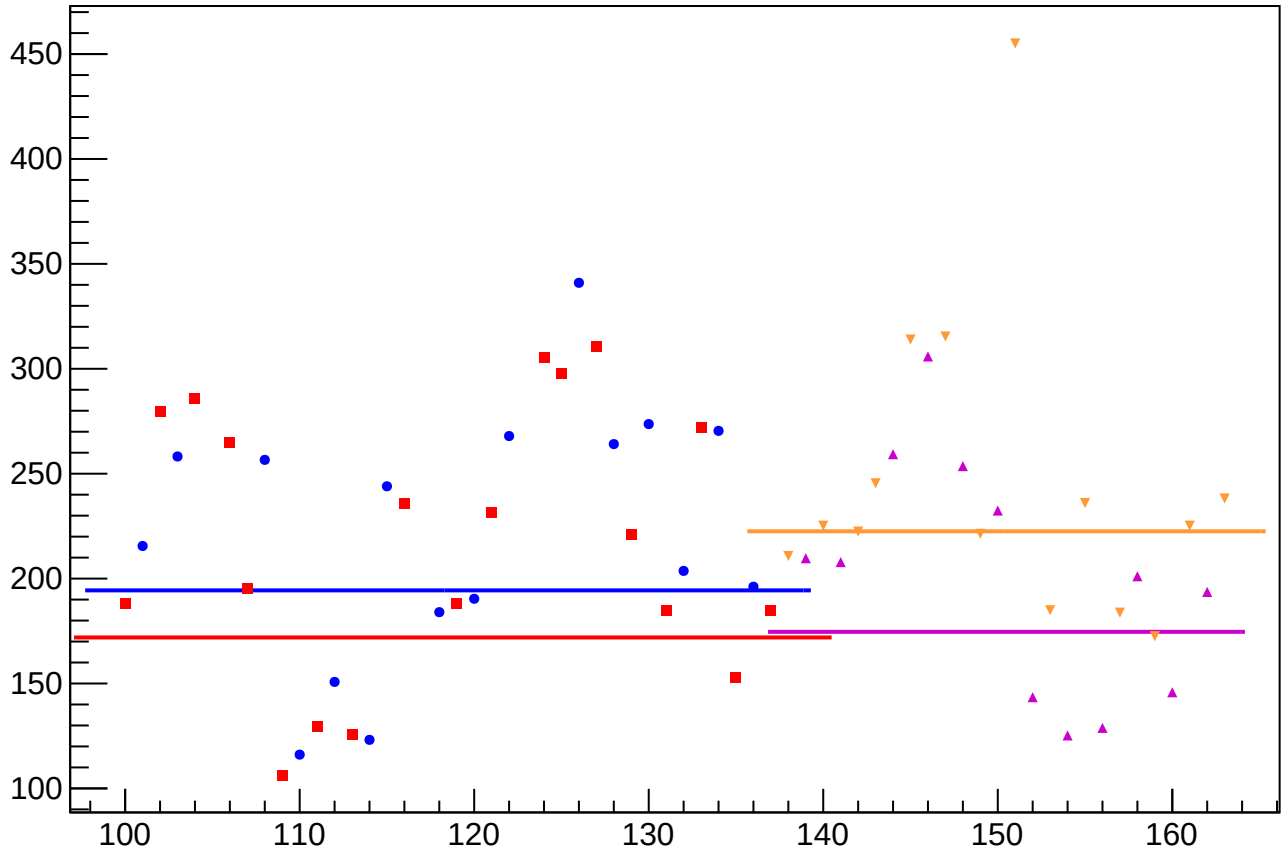
Left: 155.233+/-44.581 χ^2/NDF: 9.8/25

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 73.684+/-46.335 χ^2/NDF:23.9/27

Out: 18.047+/-48.613 χ^2/NDF:27.7/32

All: 47.199+/-33.540 χ^2/NDF: 52.3/60



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 222.543+/-0.049 χ^2/NDF:988792.0/13

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 174.634+/-0.041 χ^2/NDF:1480266.1/11

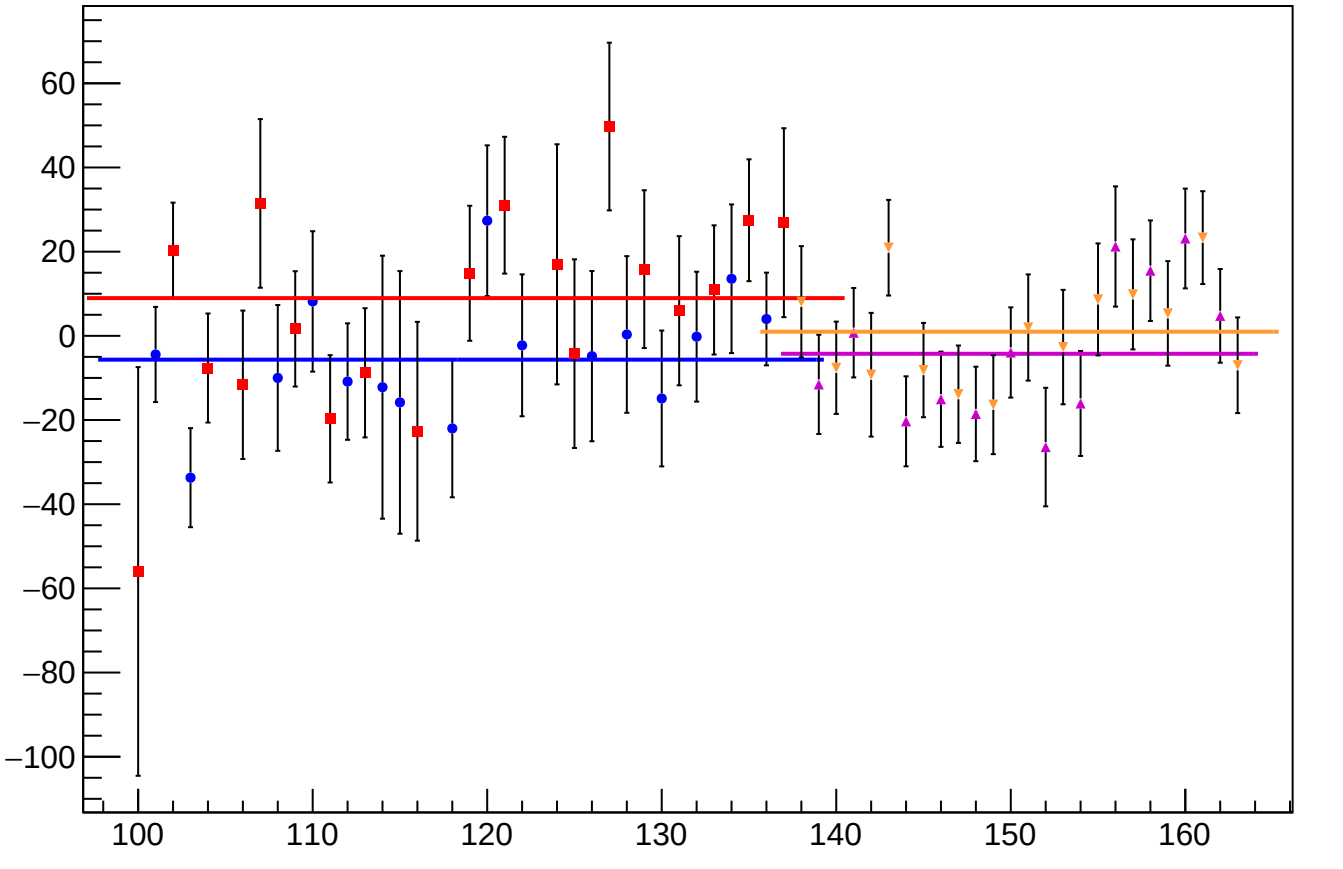
Left: 194.495+/-0.032 χ^2/NDF: 3029627.5/25

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 181.894+/-0.033 χ^2/NDF:2606772.9/27

Out: 196.889+/-0.034 χ^2/NDF:3181597.4/32

All: 189.032+/-0.024 χ^2/NDF: 5888070.9/60



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.977+/-3.249 χ^2/NDF:14.5/13

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -4.262+/-3.374 χ^2/NDF:20.7/11

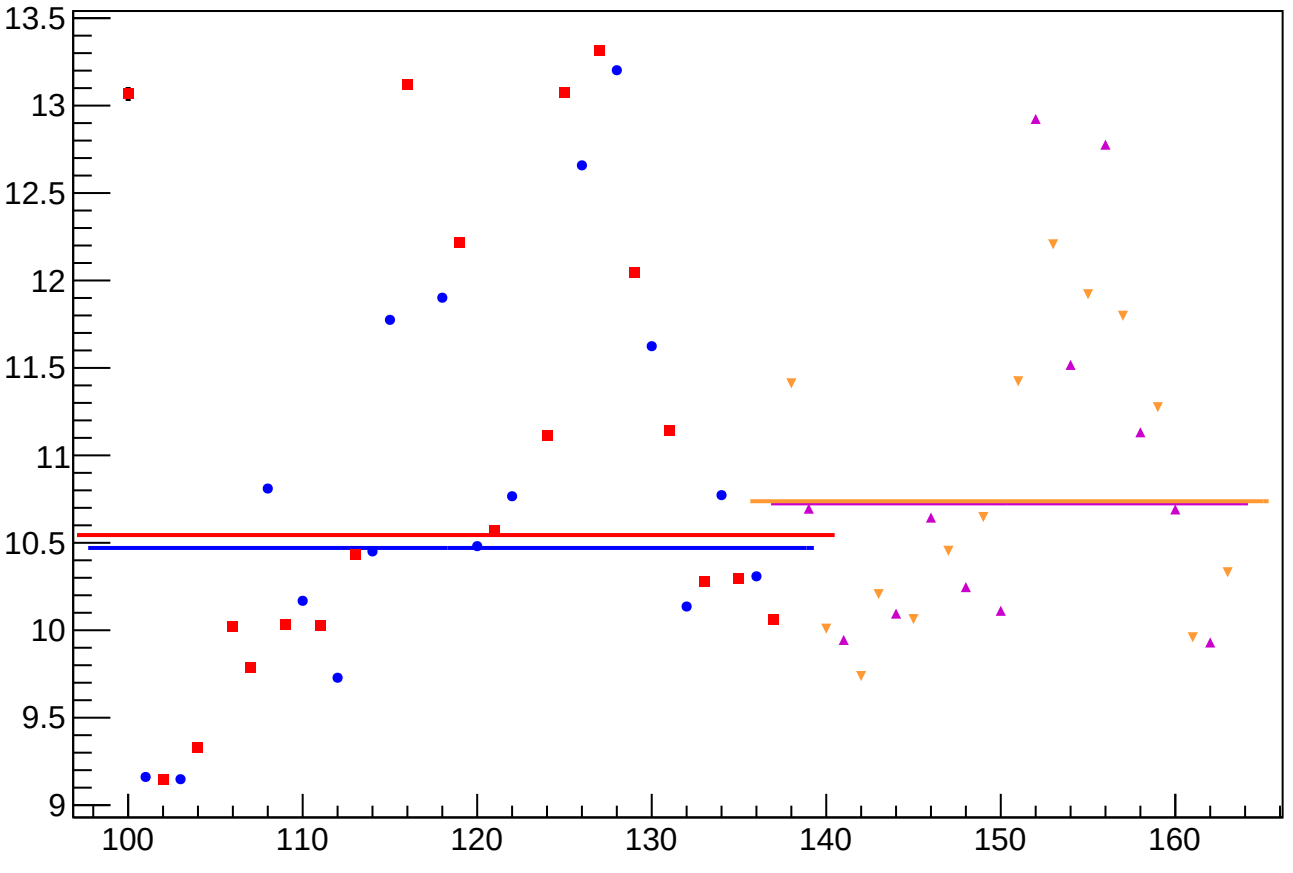
Left: -1.544+/-2.341 χ^2/NDF: 36.5/25

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.853+/-2.563 χ^2/NDF:34.4/27

Out: 4.247+/-2.497 χ^2/NDF:39.8/32

All: -0.184+/-1.788 χ^2/NDF: 80.7/60



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.738+/-0.002 χ^2/NDF:110682.5/13

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.725+/-0.002 χ^2/NDF:138654.6/11

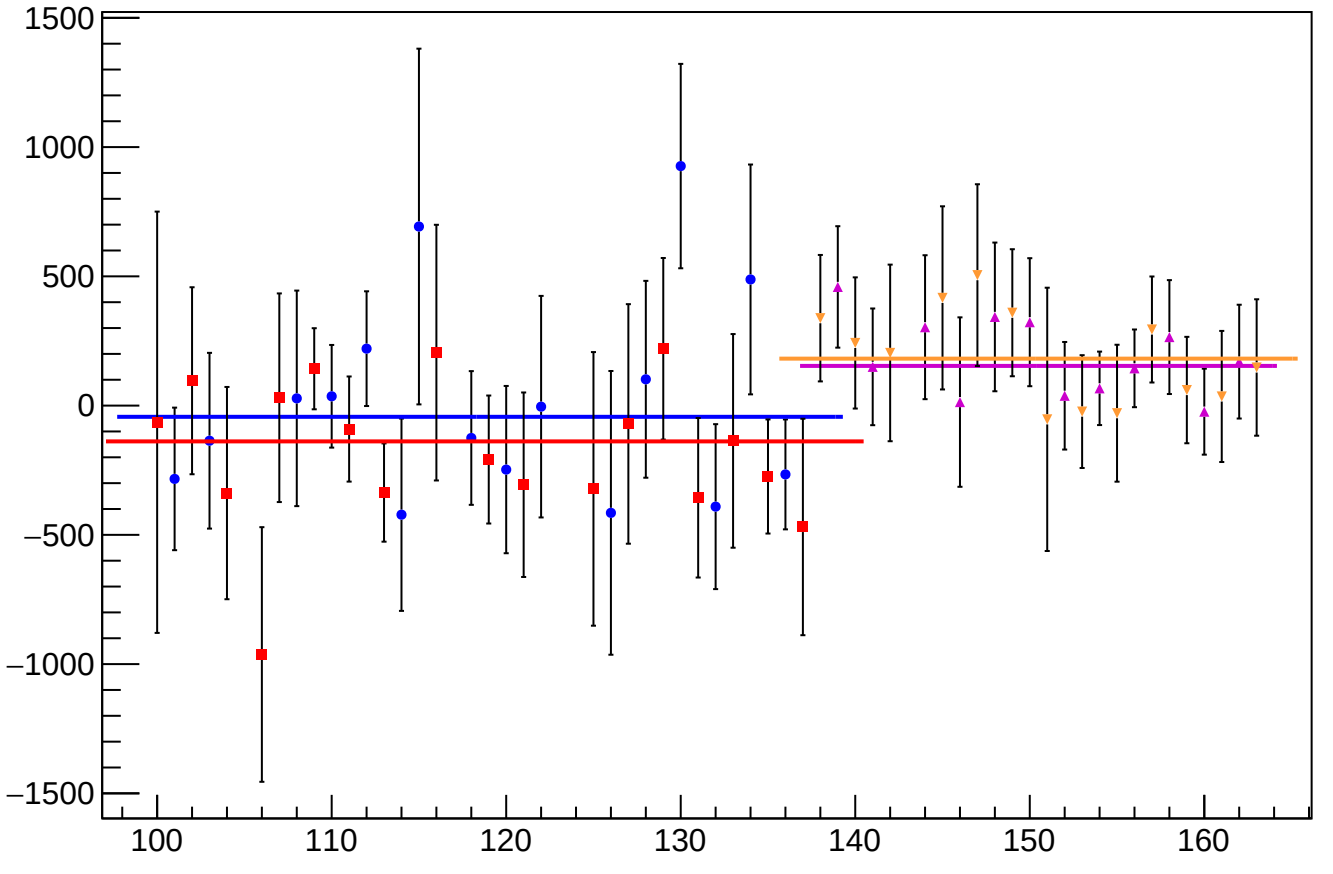
Left: 10.732+/-0.002 χ^2/NDF: 249350.9/25

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.618+/-0.002 χ^2/NDF:300847.5/27

Out: 10.659+/-0.002 χ^2/NDF:300364.7/32

All: 10.639+/-0.001 χ^2/NDF: 601474.4/60



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 181.675+/-72.574 χ^2/NDF:5.0/12

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 153.563+/-59.480 χ^2/NDF:5.1/11

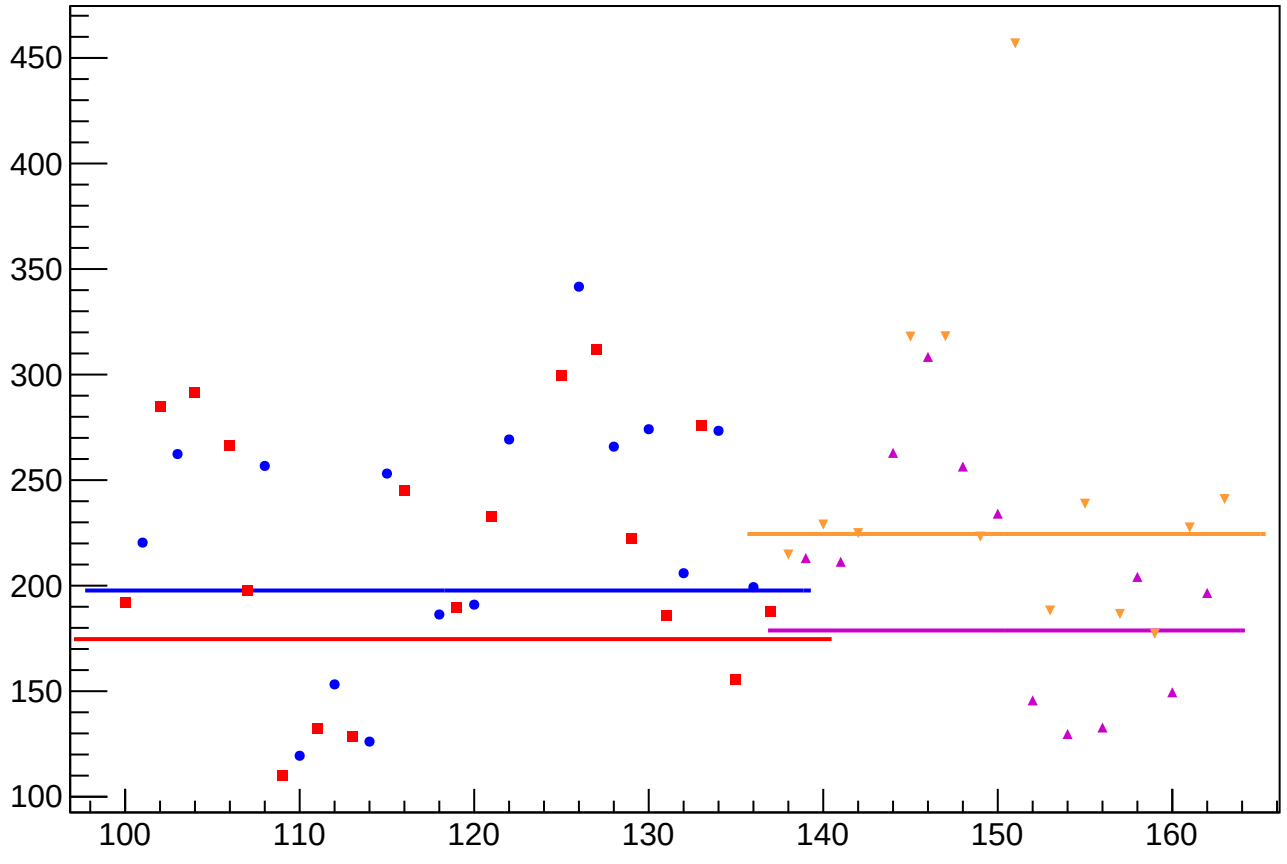
Left: 164.859+/-46.003 χ^2/NDF: 10.2/24

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 80.657+/-47.204 χ^2/NDF:24.7/27

Out: 15.451+/-50.320 χ^2/NDF:26.6/30

All: 50.136+/-34.427 χ^2/NDF: 52.1/58



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 224.470+/-0.051 χ^2/NDF:944538.0/12

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 178.770+/-0.042 χ^2/NDF:1402920.5/11

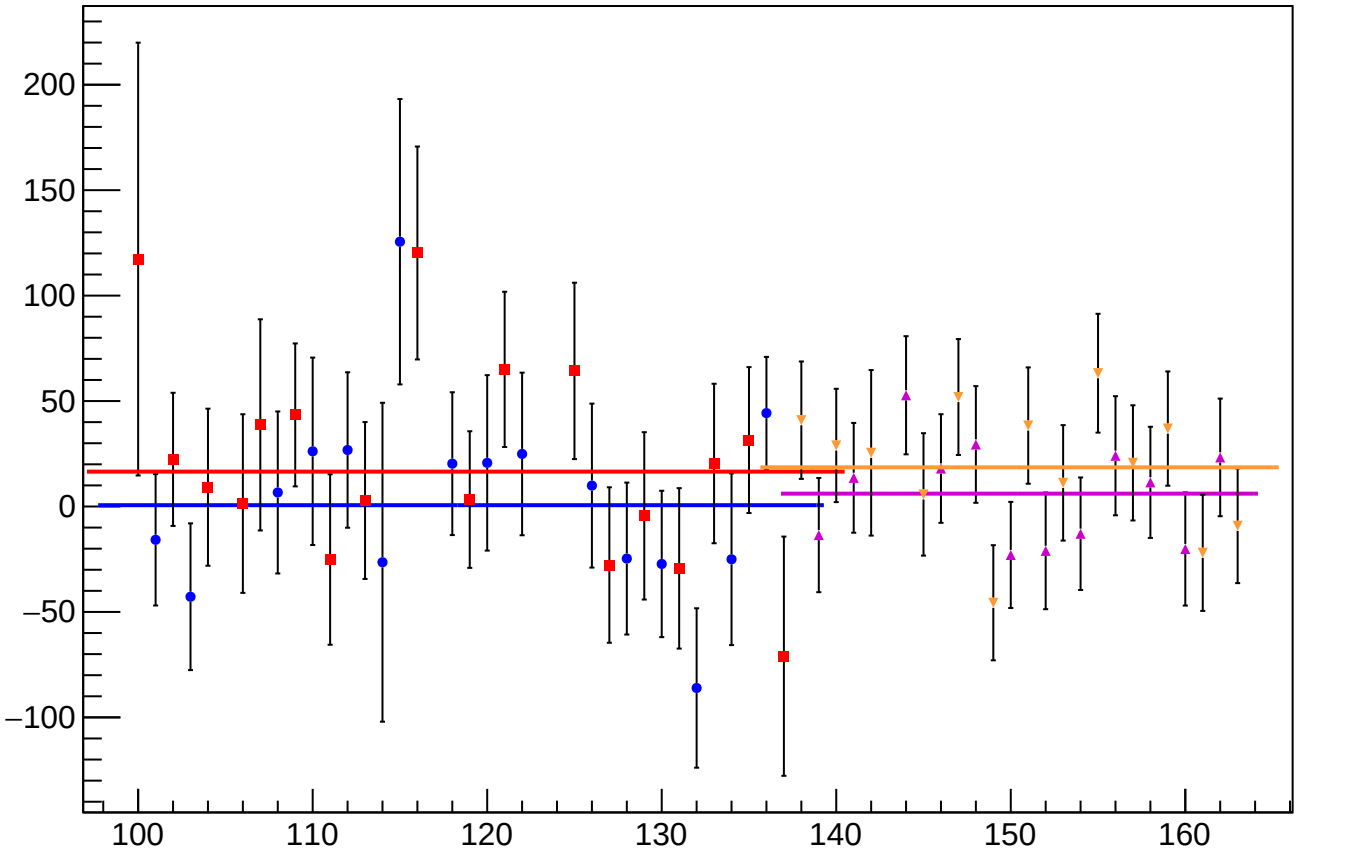
Left: 197.132+/-0.033 χ^2/NDF: 2821850.0/24

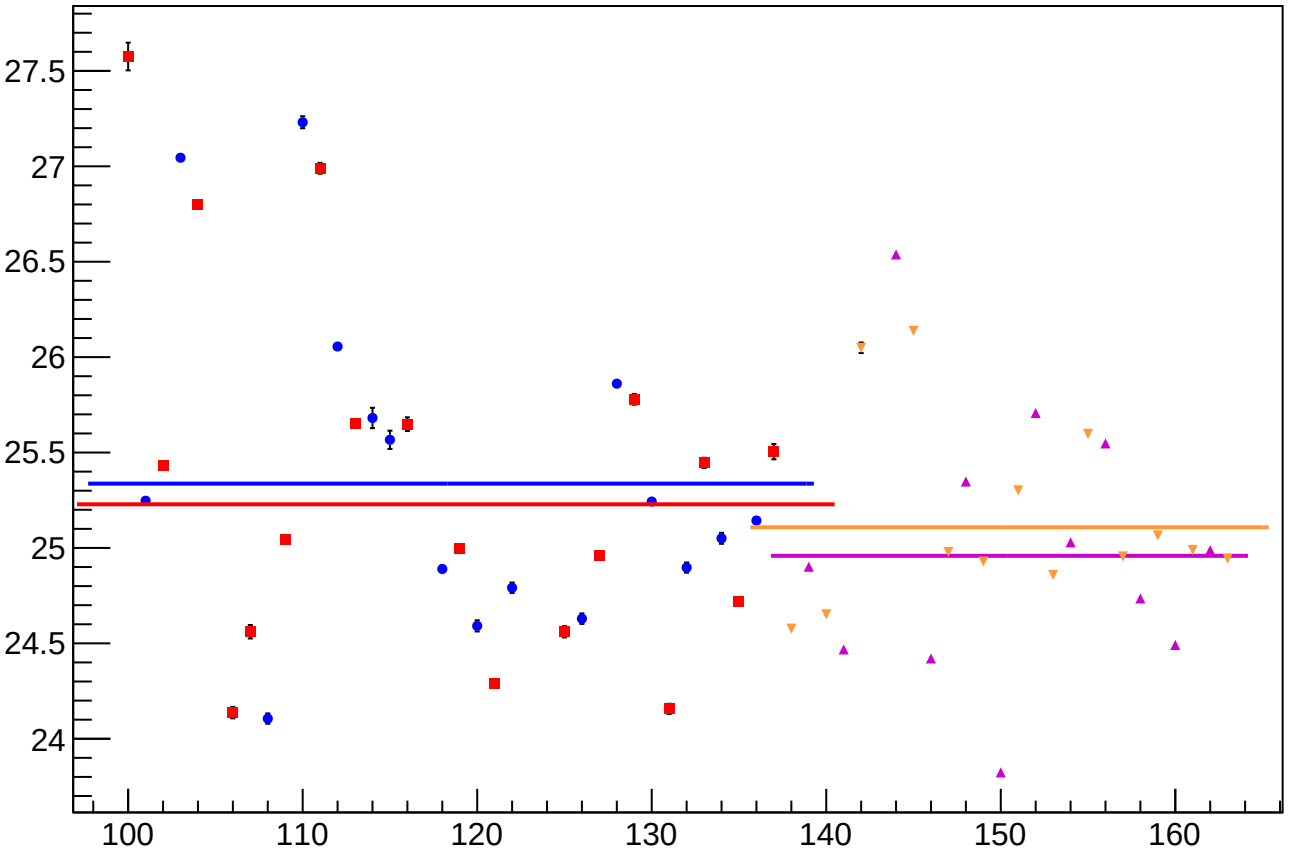
Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 185.780+/-0.033 χ^2/NDF:2478294.8/27

Out: 198.616+/-0.036 χ^2/NDF:2968090.2/30

All: 191.788+/-0.024 χ^2/NDF: 5515610.1/58


asym_bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 18.563+/-7.795 χ²/NDF:14.8/12
Right Out: 16.534+/-9.307 χ²/NDF: 16.4/17
Left In: 6.094+/-7.764 χ²/NDF:8.9/11
Left: 12.304+/-5.501 χ²/NDF: 25.0/24
Right: 8.674+/-6.621 χ²/NDF: 34.6/33
In: 3.880+/-5.992 χ²/NDF:25.8/27
Out: 17.726+/-5.976 χ²/NDF:31.2/30
All: 10.822+/-4.231 χ²/NDF: 59.7/58



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.108+/-0.006 χ^2/NDF:6147.7/12

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.959+/-0.005 χ^2/NDF:15518.2/11

Left: 25.033+/-0.004 χ^2/NDF: 22034.7/24

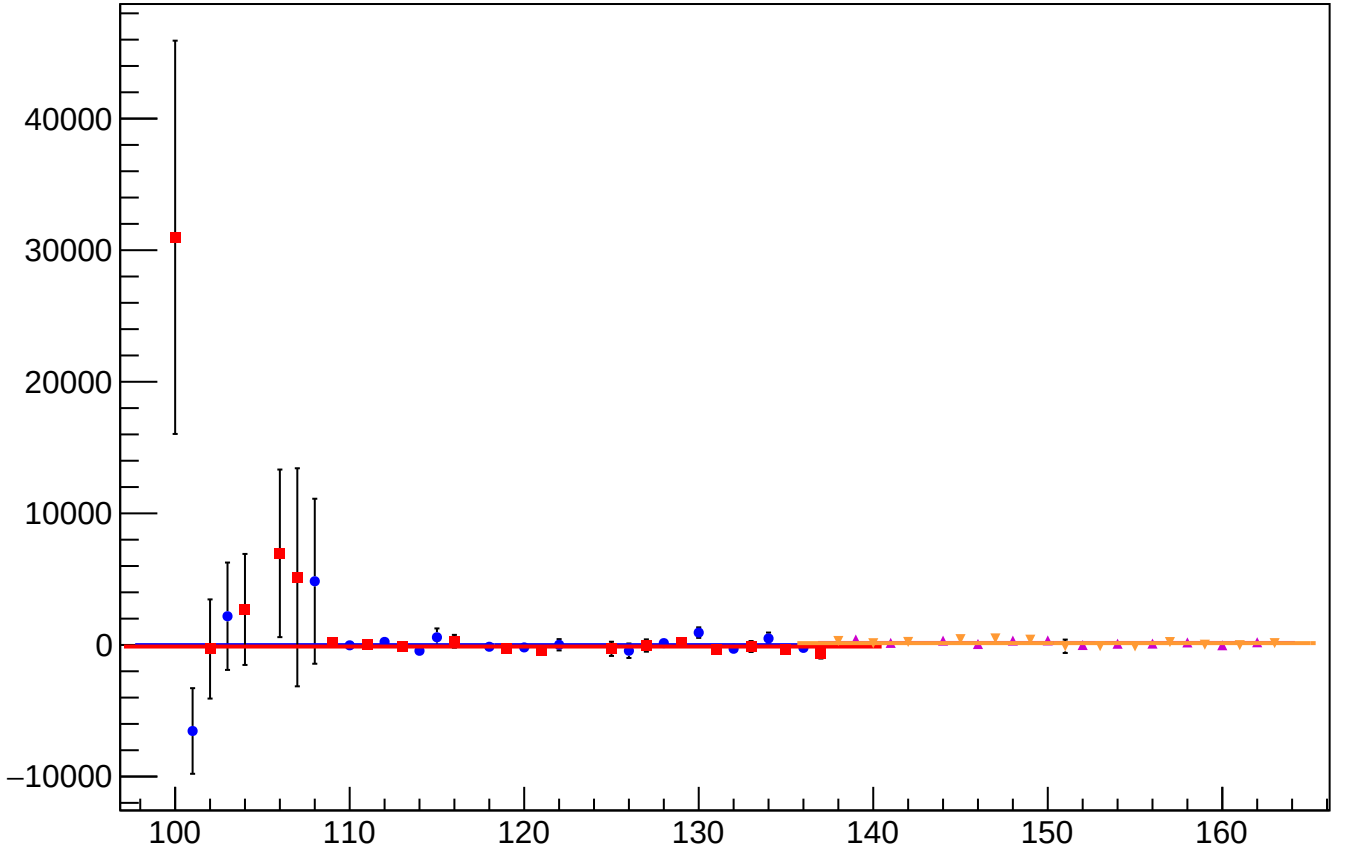
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.112+/-0.004 χ^2/NDF:31752.6/27

Out: 25.158+/-0.004 χ^2/NDF:21521.1/30

All: 25.135+/-0.003 χ^2/NDF: 53333.1/58

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 139.445+/-73.458 χ^2/NDF:6.2/12

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 151.824+/-60.522 χ^2/NDF:4.6/11

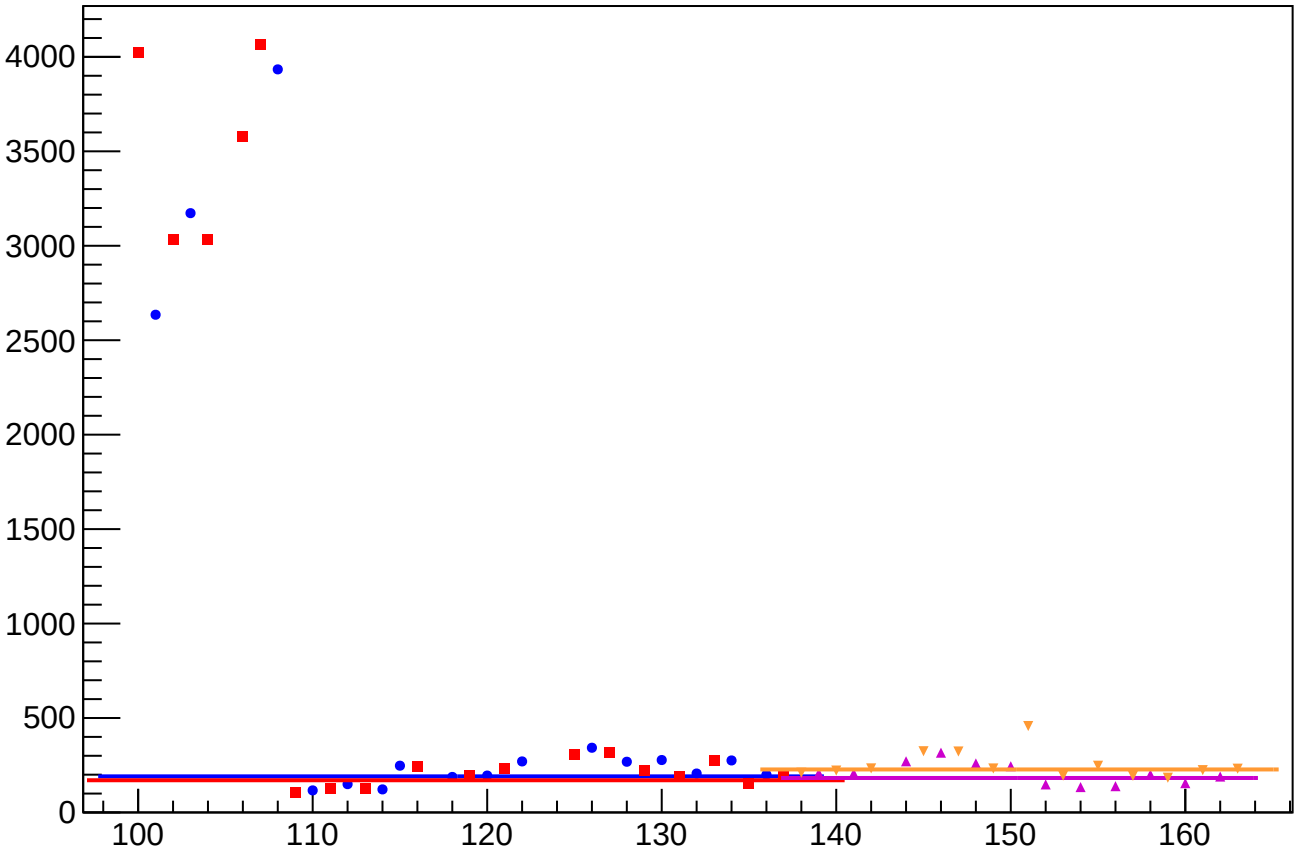
Left: 146.819+/-46.710 χ^2/NDF: 10.8/24

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 95.845+/-49.194 χ^2/NDF:25.4/27

Out: 17.912+/-53.556 χ^2/NDF:26.4/30

All: 60.181+/-36.229 χ^2/NDF: 53.0/58



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 227.662+/-0.052 χ^2/NDF:895298.3/12

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 182.499+/-0.043 χ^2/NDF:1298314.7/11

Left: 200.760+/-0.033 χ^2/NDF: 2643917.4/24

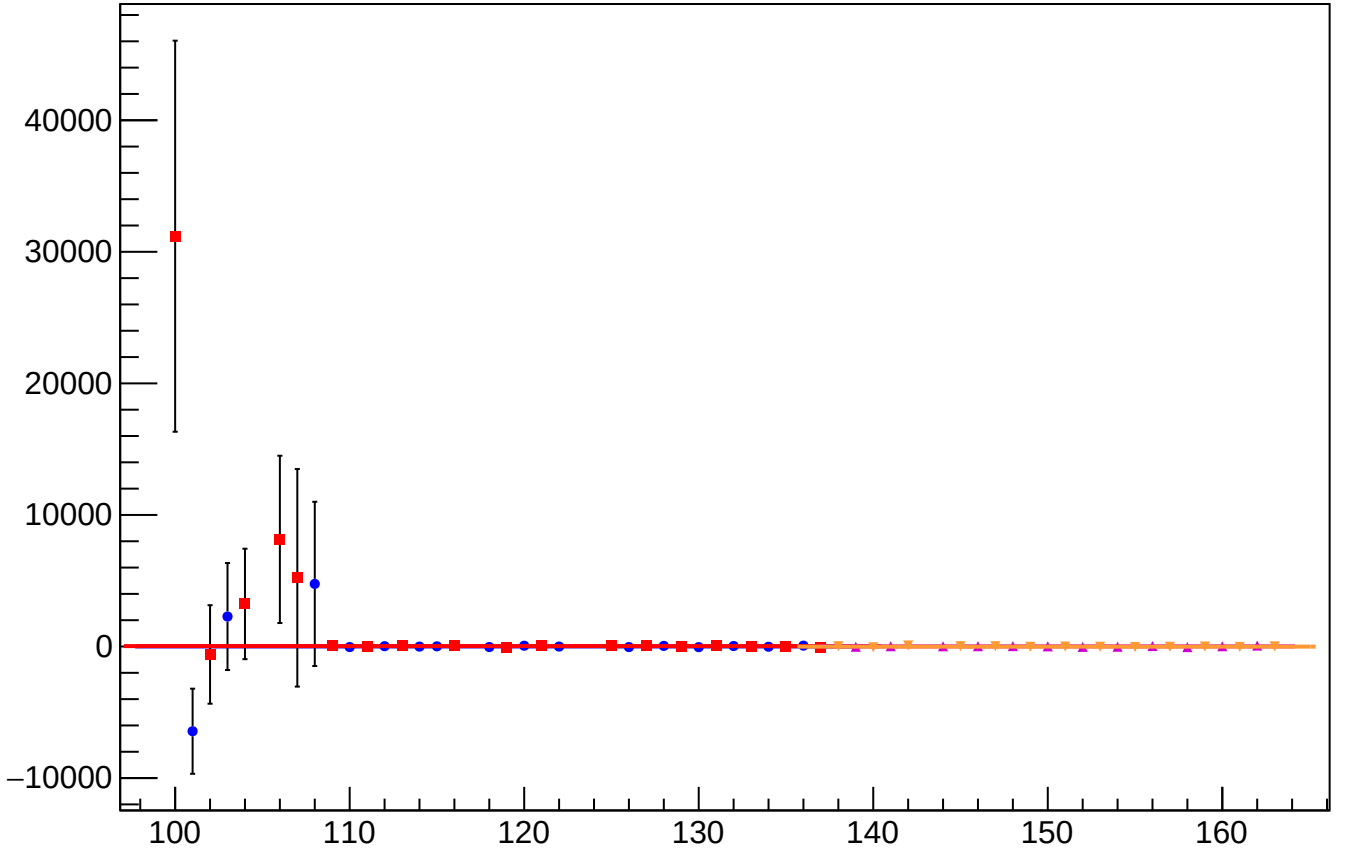
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.407+/-0.035 χ^2/NDF:5145875.7/27

Out: 200.881+/-0.038 χ^2/NDF:5717574.8/30

All: 192.488+/-0.026 χ^2/NDF: 10953998.8/58

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -7.789+/-9.108 χ^2/NDF:10.6/12

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 11.765+/-9.163 χ^2/NDF:12.1/11

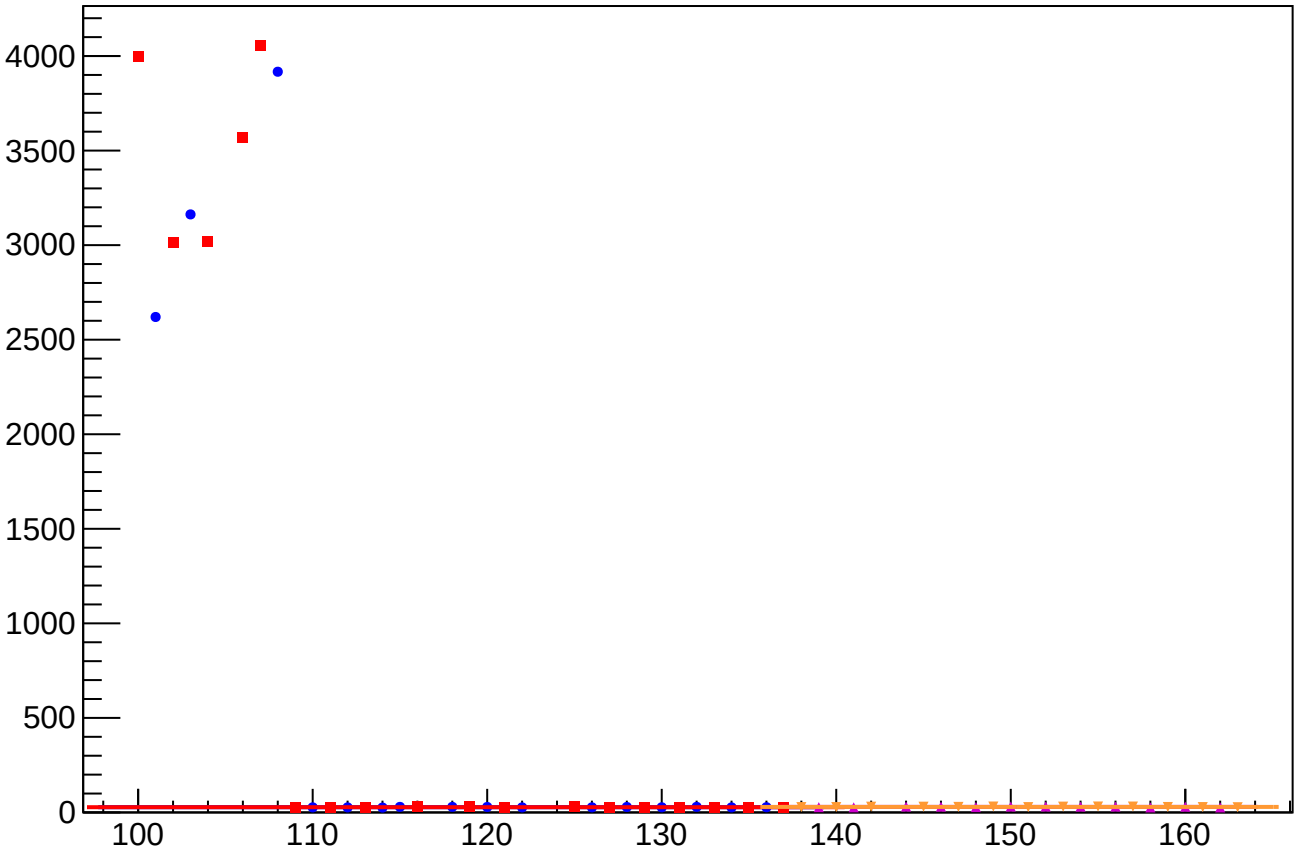
Left: 1.929+/-6.460 χ^2/NDF: 25.0/24

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 9.773+/-7.229 χ^2/NDF:30.5/27

Out: 6.169+/-7.273 χ^2/NDF:37.0/30

All: 7.982+/-5.127 χ^2/NDF: 67.6/58



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.288+/-0.006 χ^2/NDF:41916.2/12

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.371+/-0.006 χ^2/NDF:85215.1/11

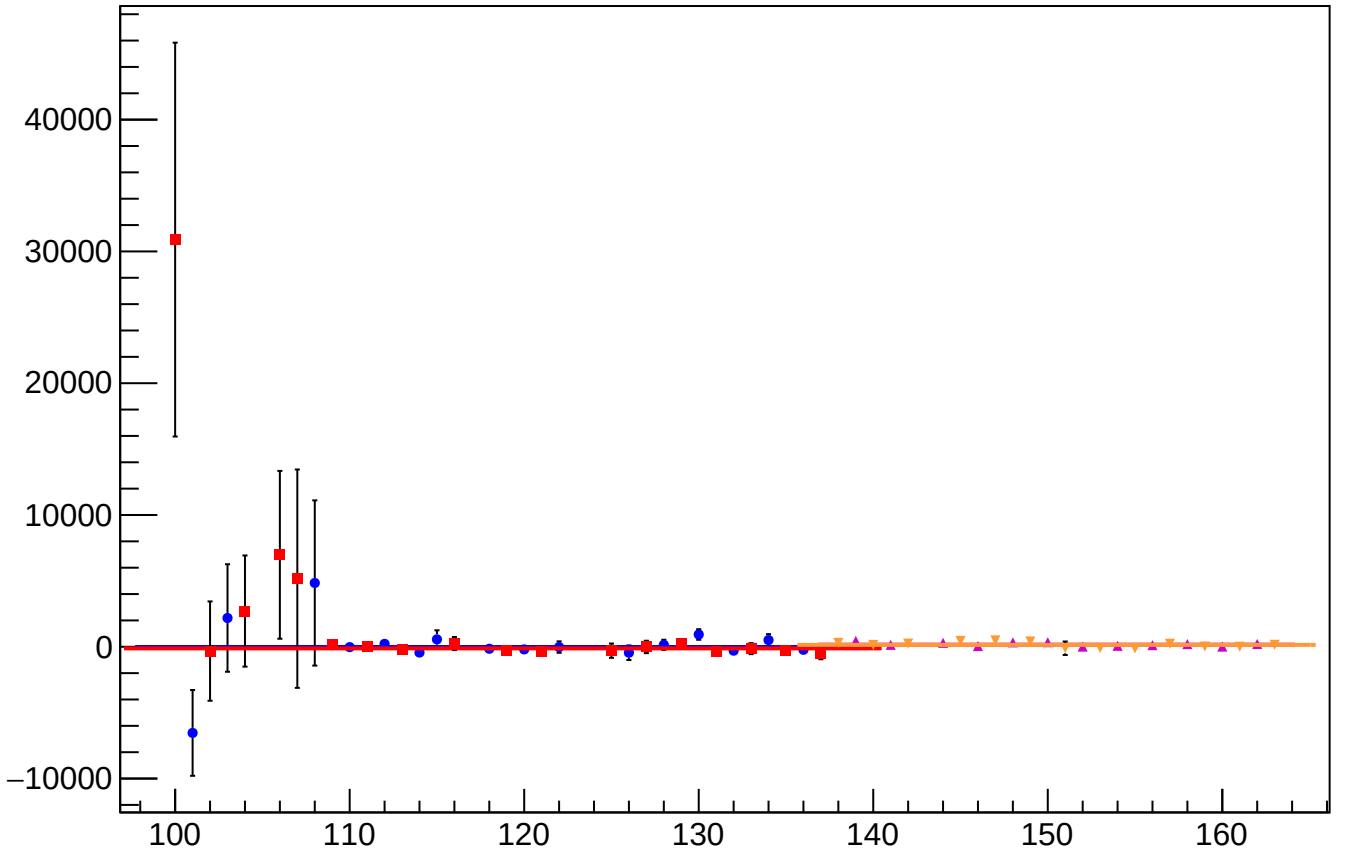
Left: 29.329+/-0.005 χ^2/NDF: 127214.0/24

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.787+/-0.005 χ^2/NDF:3372621.9/27

Out: 28.741+/-0.005 χ^2/NDF:3620230.3/30

All: 28.764+/-0.004 χ^2/NDF: 6992892.8/58



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 143.517+/-74.010 χ^2/NDF:6.1/12

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 159.039+/-61.109 χ^2/NDF:4.4/11

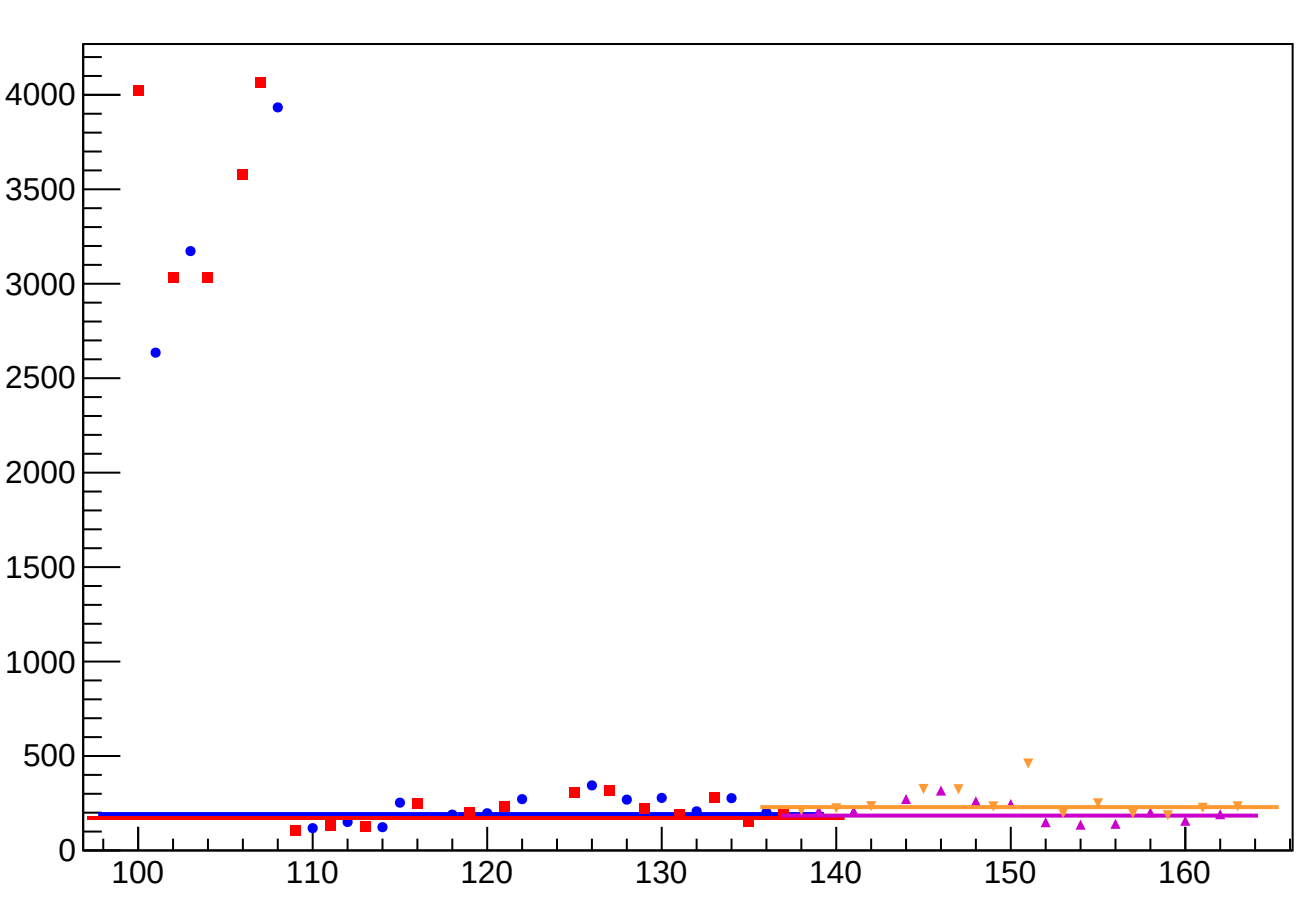
Left: 152.747+/-47.122 χ^2/NDF: 10.6/24

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 98.256+/-49.629 χ^2/NDF:25.5/27

Out: 19.361+/-53.961 χ^2/NDF:25.4/30

All: 62.101+/-36.529 χ^2/NDF: 52.0/58



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 229.492+/-0.052 χ^2/NDF:881597.0/12

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 184.490+/-0.043 χ^2/NDF:1259588.0/11

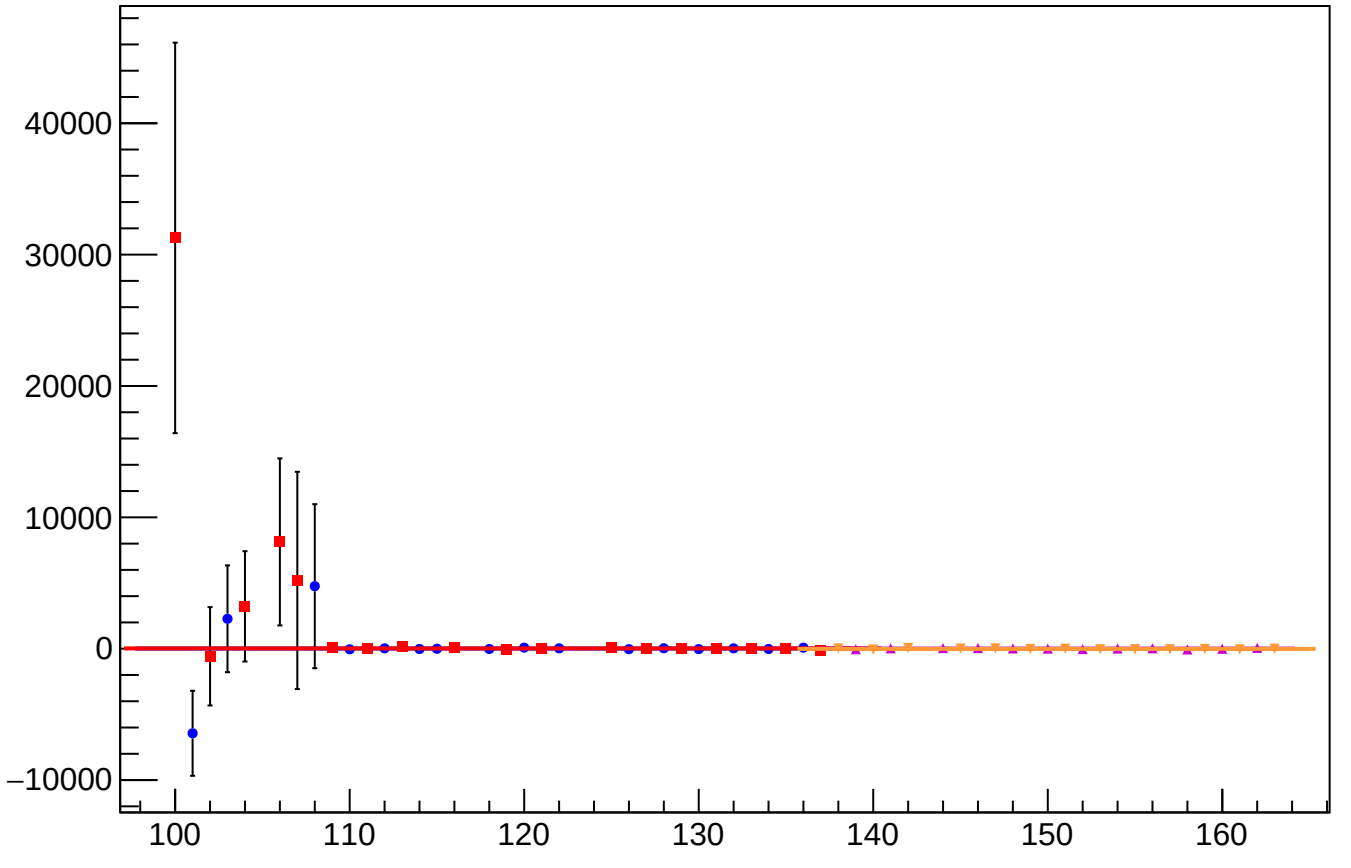
Left: 202.733+/-0.033 χ^2/NDF: 2580879.5/24

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.237+/-0.035 χ^2/NDF:5094249.4/27

Out: 202.515+/-0.038 χ^2/NDF:5696710.6/30

All: 194.239+/-0.026 χ^2/NDF: 10877812.3/58



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -14.941+/-9.734 χ^2/NDF:11.4/12

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 9.027+/-9.820 χ^2/NDF:13.7/11

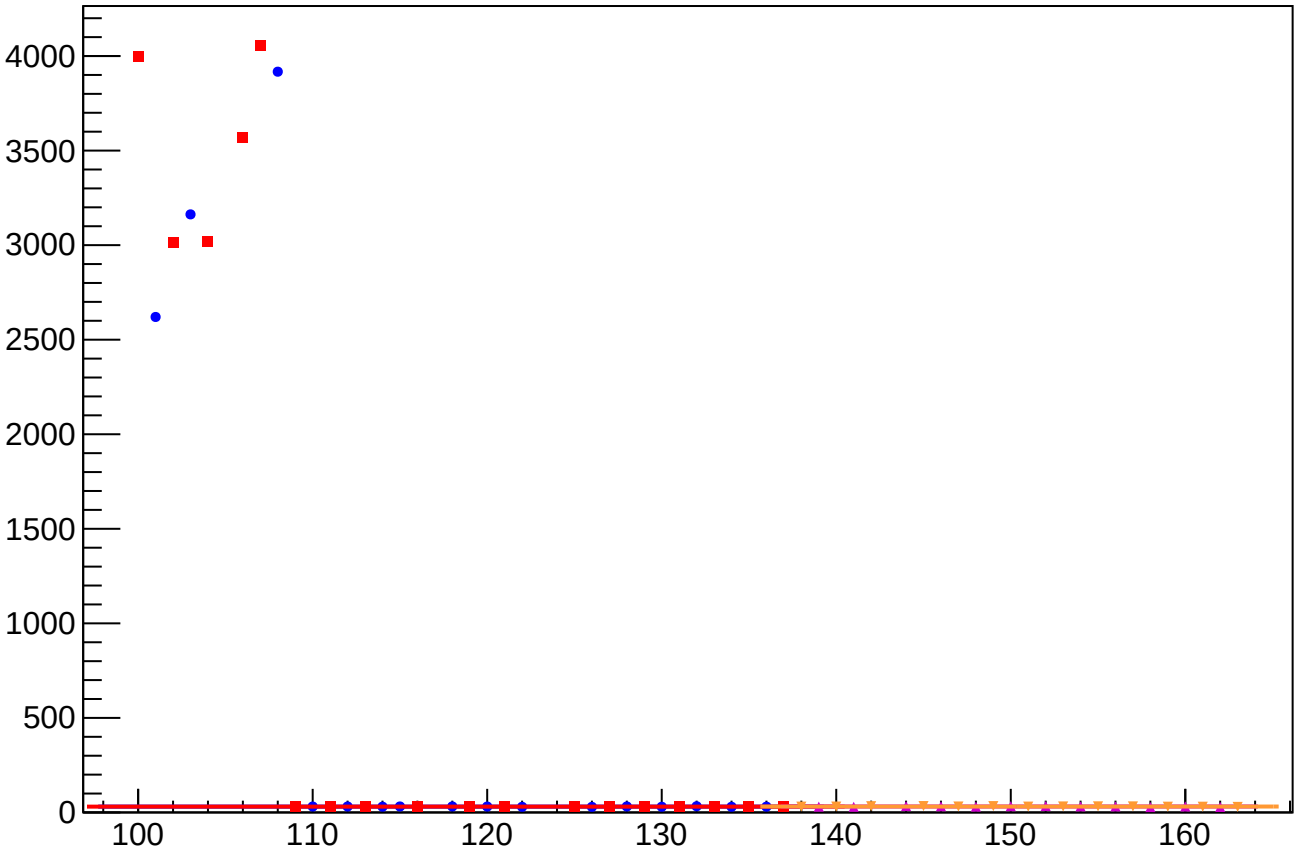
Left: -3.063+/-6.913 χ^2/NDF: 28.1/24

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 10.719+/-7.849 χ^2/NDF:29.2/27

Out: -2.192+/-7.872 χ^2/NDF:44.8/30

All: 4.282+/-5.558 χ^2/NDF: 75.3/58



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.317+/-0.007 χ^2/NDF:32122.4/12

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.496+/-0.007 χ^2/NDF:63465.9/11

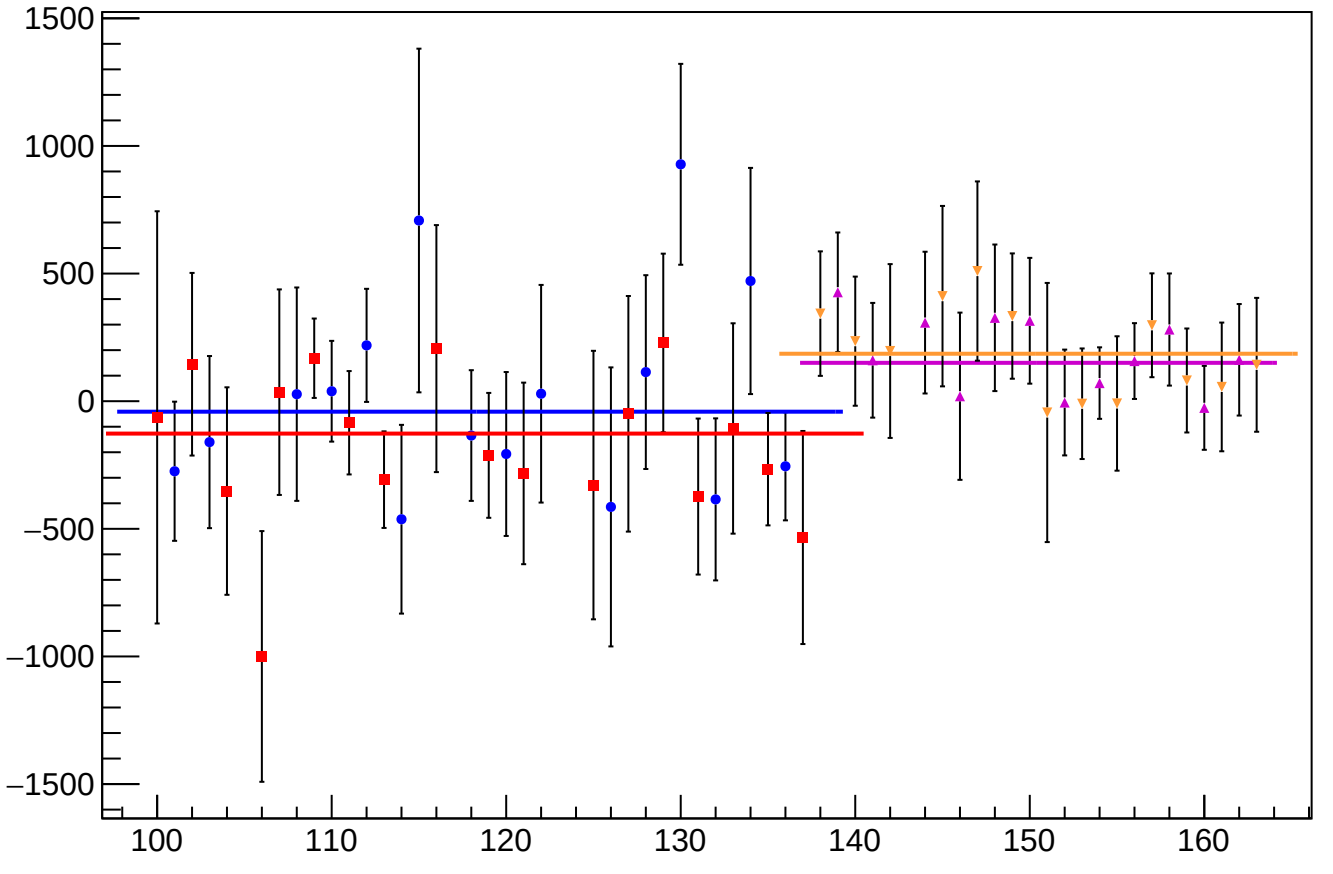
Left: 31.405+/-0.005 χ^2/NDF: 95923.3/24

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.291+/-0.006 χ^2/NDF:3318482.9/27

Out: 31.139+/-0.006 χ^2/NDF:3570000.7/30

All: 31.215+/-0.004 χ^2/NDF: 6888854.9/58



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 185.911+/-72.180 χ^2/NDF:4.5/12

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 150.325+/-59.008 χ^2/NDF:5.1/11

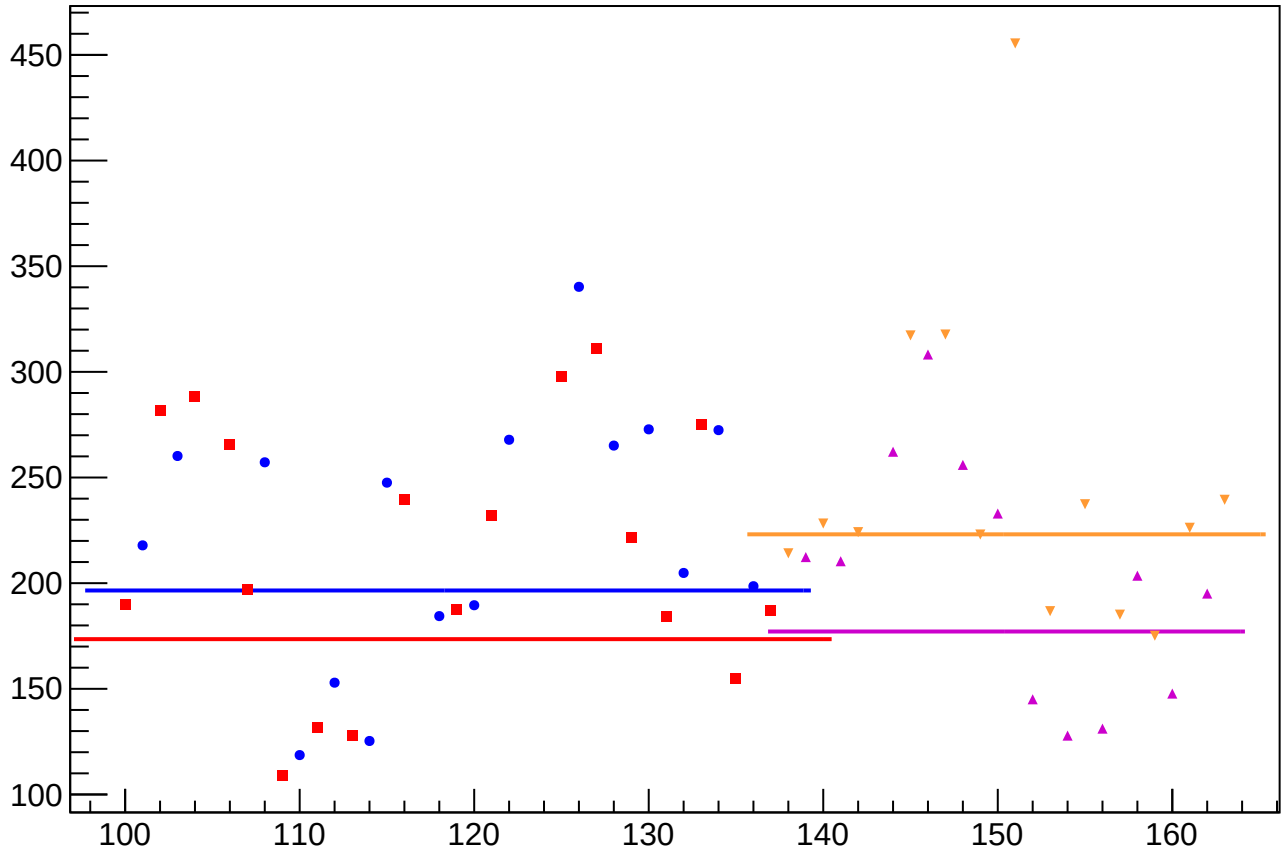
Left: 164.580+/-45.685 χ^2/NDF: 9.7/24

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 79.656+/-46.868 χ^2/NDF:24.6/27

Out: 23.328+/-50.021 χ^2/NDF:27.0/30

All: 53.323+/-34.201 χ^2/NDF: 52.3/58



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 223.116+/-0.051 χ^2/NDF:960385.6/12

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 177.125+/-0.042 χ^2/NDF:1443816.2/11

Left: 195.548+/-0.032 χ^2/NDF: 2890910.0/24

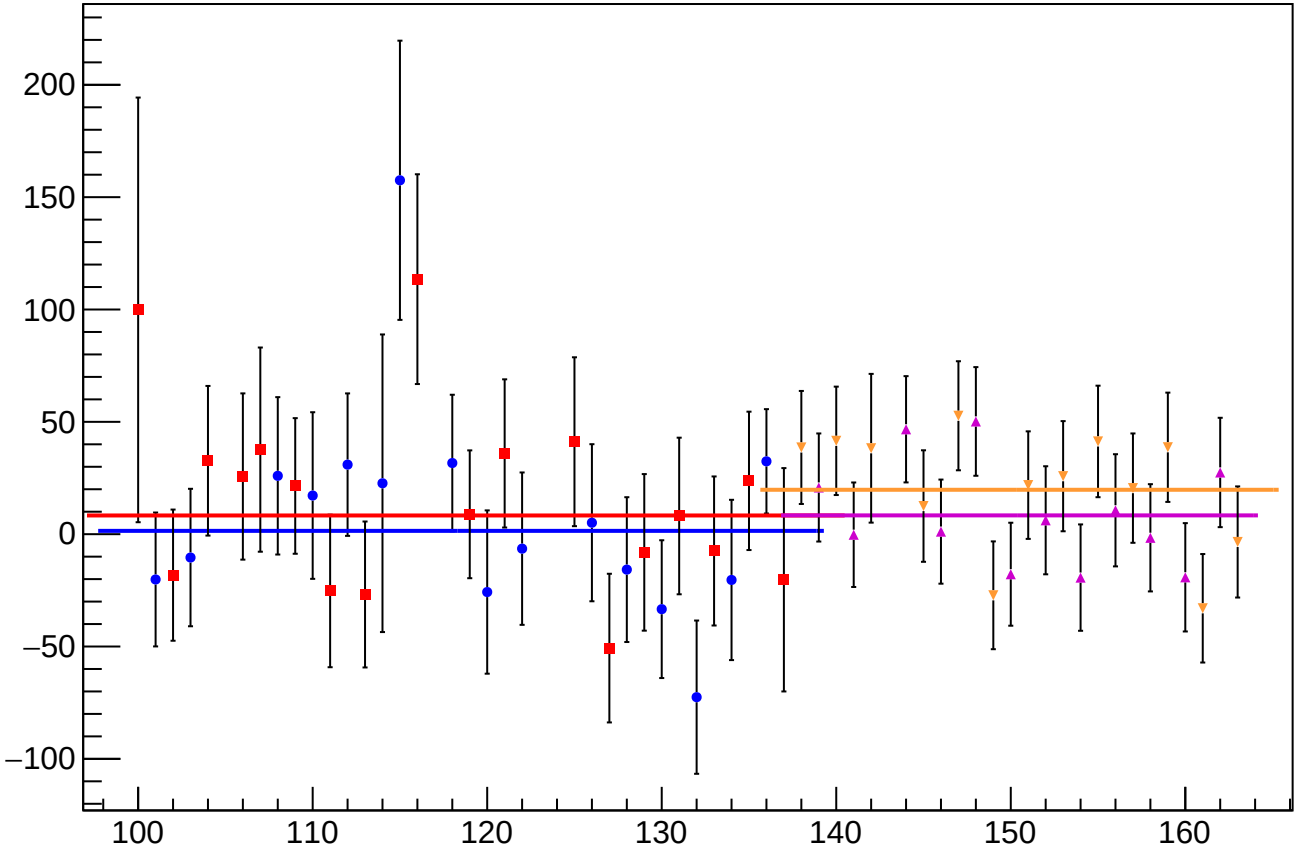
Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 184.293+/-0.033 χ^2/NDF:2524533.1/27

Out: 197.333+/-0.035 χ^2/NDF:2984099.0/30

All: 190.389+/-0.024 χ^2/NDF: 5581011.6/58

asym_bcm_dg_us_an_us_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 19.762+/-6.895 χ^2/NDF:14.5/12

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 8.366+/-6.880 χ^2/NDF:10.9/11

Left: 14.052+/-4.870 χ^2/NDF: 26.8/24

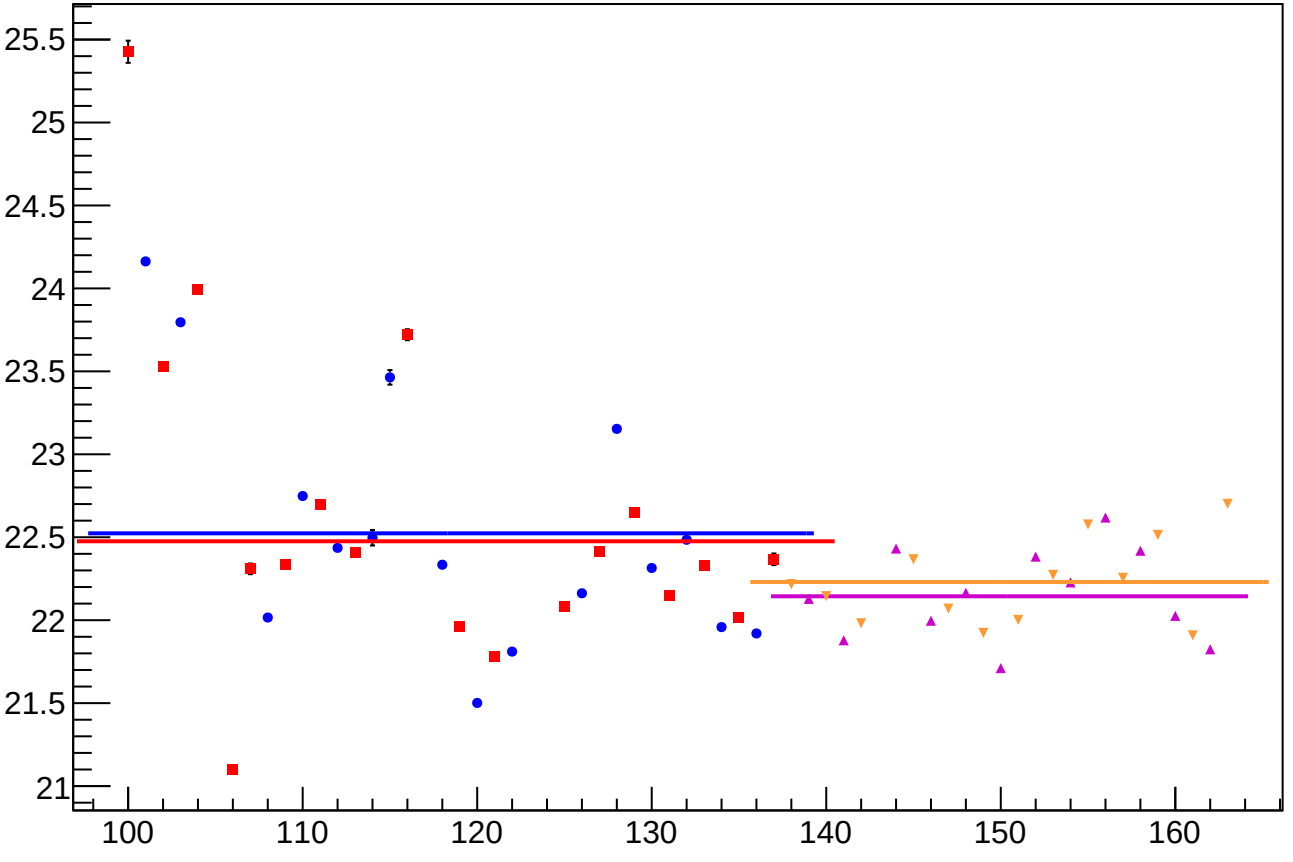
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.587+/-5.315 χ^2/NDF:30.0/27

Out: 15.084+/-5.300 χ^2/NDF:31.7/30

All: 10.349+/-3.753 χ^2/NDF: 63.3/58

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: 22.230+/-0.005 χ^2/NDF:2548.1/12

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.144+/-0.005 χ^2/NDF:2957.1/11

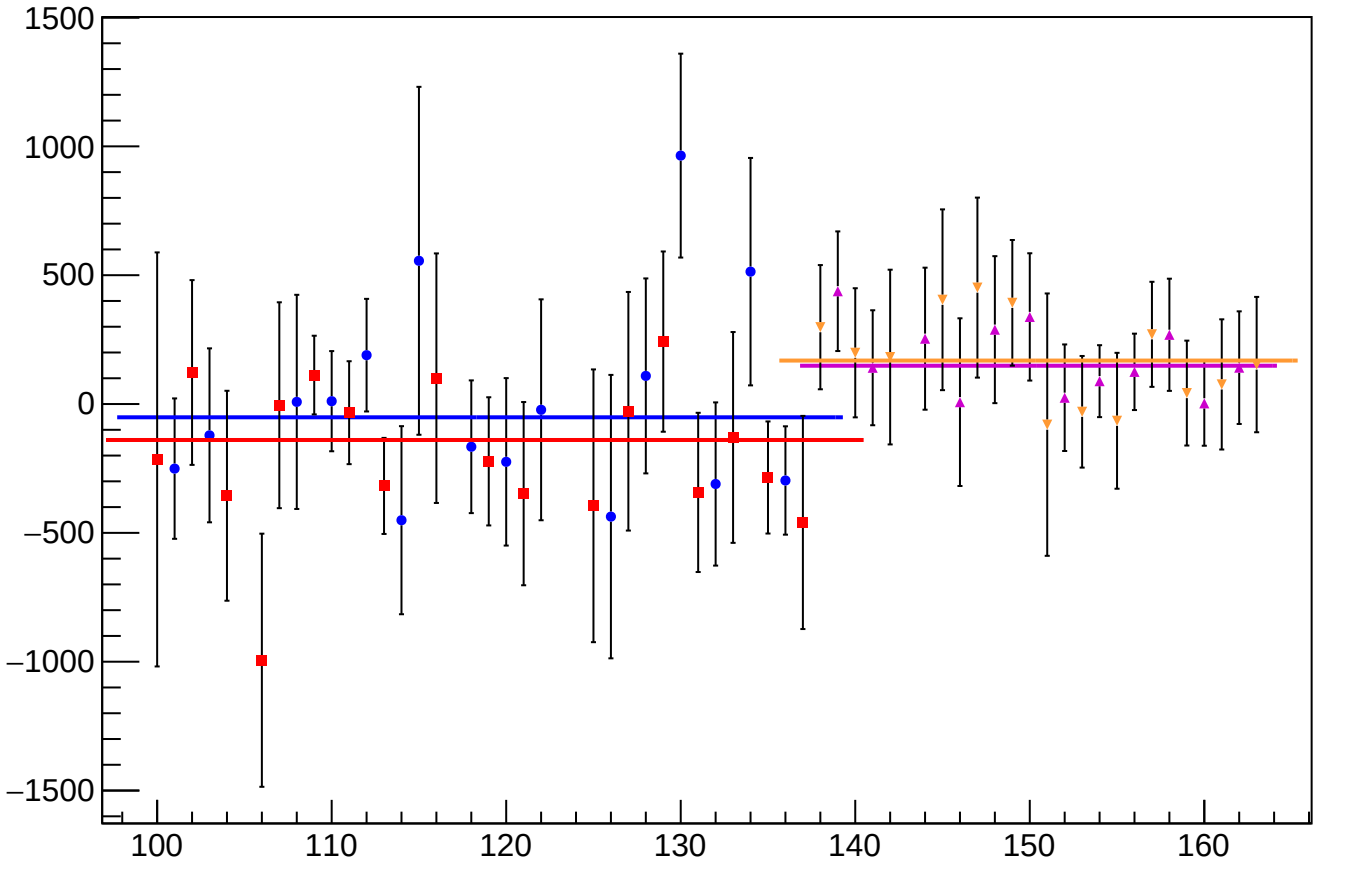
Left: 22.187+/-0.003 χ^2/NDF: 5661.3/24

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.297+/-0.004 χ^2/NDF:21357.3/27

Out: 22.331+/-0.004 χ^2/NDF:19121.8/30

All: 22.314+/-0.003 χ^2/NDF: 40519.0/58



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 168.714+/-72.000 χ^2/NDF:4.9/12

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 148.666+/-58.808 χ^2/NDF:4.4/11

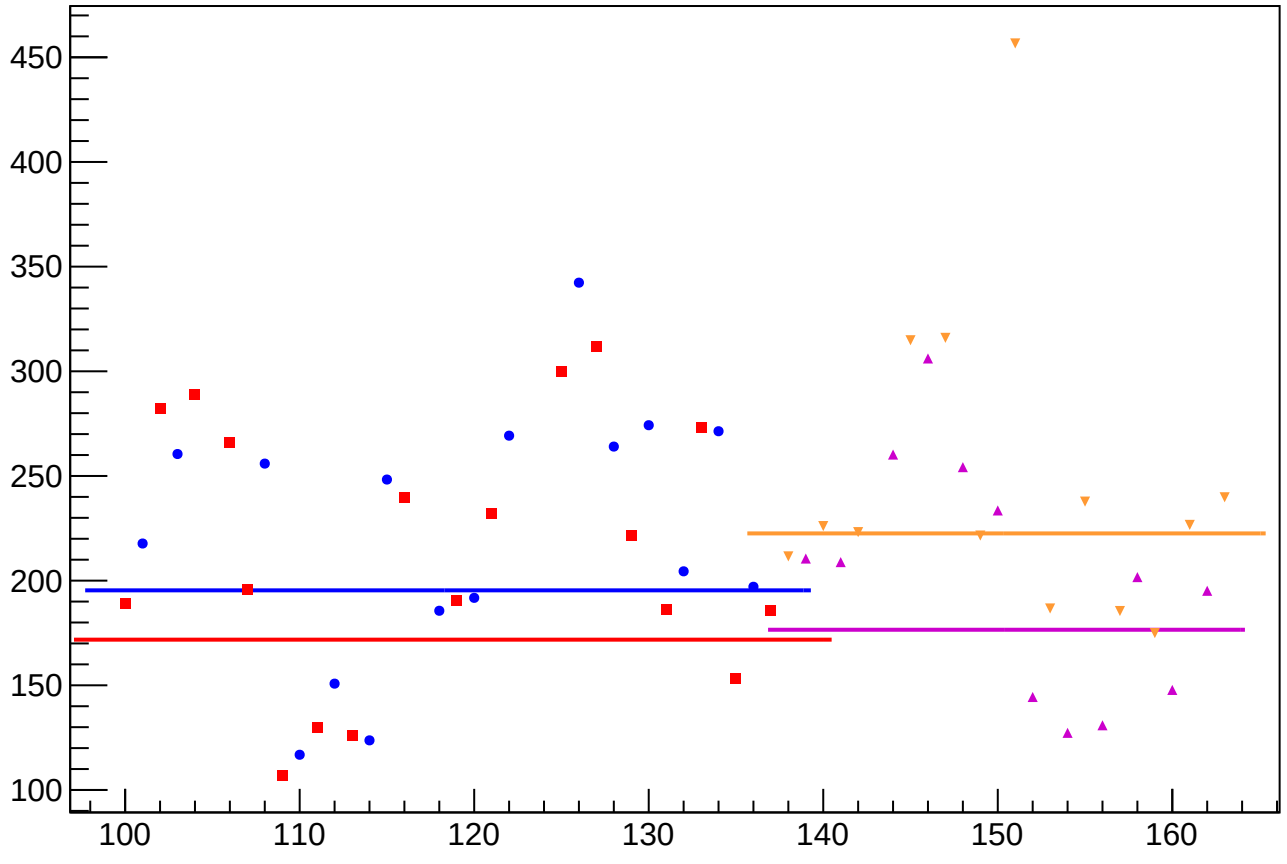
Left: 156.689+/-45.546 χ^2/NDF: 9.3/24

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 74.681+/-46.691 χ^2/NDF:24.0/27

Out: 7.780+/-49.775 χ^2/NDF:26.0/30

All: 43.367+/-34.054 χ^2/NDF: 51.0/58



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 222.559+/-0.051 χ^2/NDF:955030.3/12

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 176.537+/-0.042 χ^2/NDF:1430269.6/11

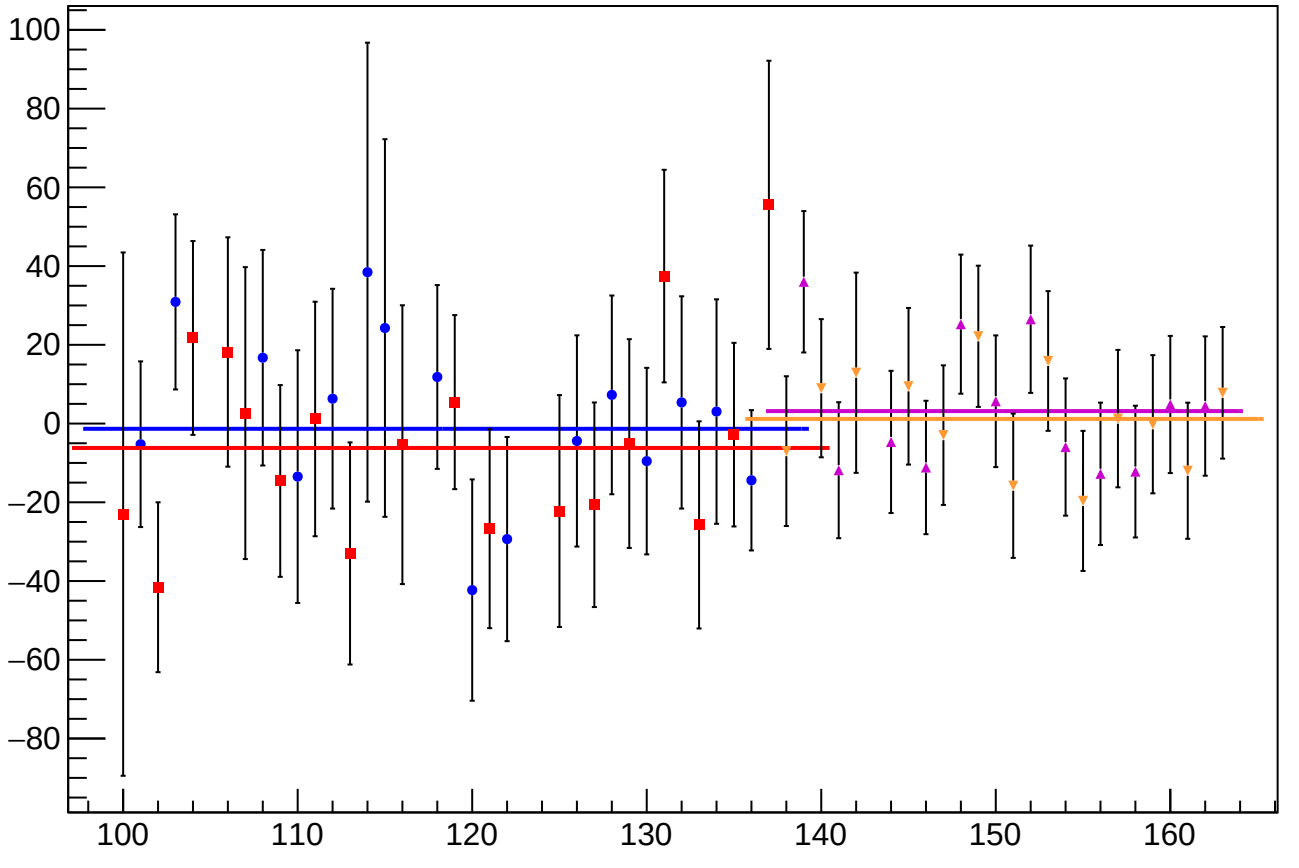
Left: 194.954+/-0.032 χ^2/NDF: 2875443.2/24

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 183.495+/-0.033 χ^2/NDF:2547442.6/27

Out: 196.062+/-0.035 χ^2/NDF:3074544.3/30

All: 189.377+/-0.024 χ^2/NDF: 5689797.6/58



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.179+/-5.055 χ^2/NDF:5.8/12

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 3.166+/-5.061 χ^2/NDF:10.1/11

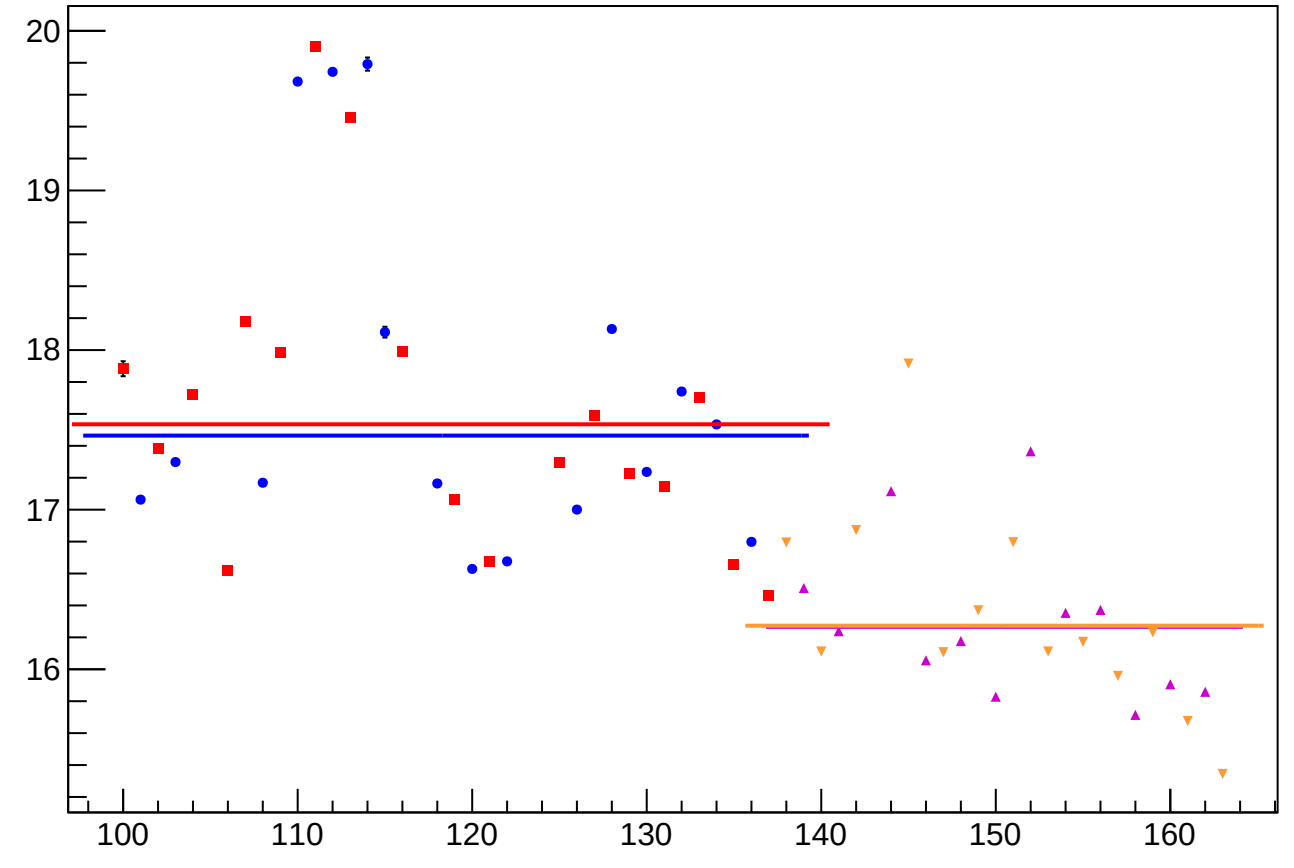
Left: 2.172+/-3.576 χ^2/NDF: 16.0/24

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 1.469+/-3.993 χ^2/NDF:18.4/27

Out: -1.615+/-3.984 χ^2/NDF:20.1/30

All: -0.076+/-2.820 χ^2/NDF: 38.8/58



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.273+/-0.004 χ^2/NDF:27723.8/12

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.266+/-0.004 χ^2/NDF:17645.0/11

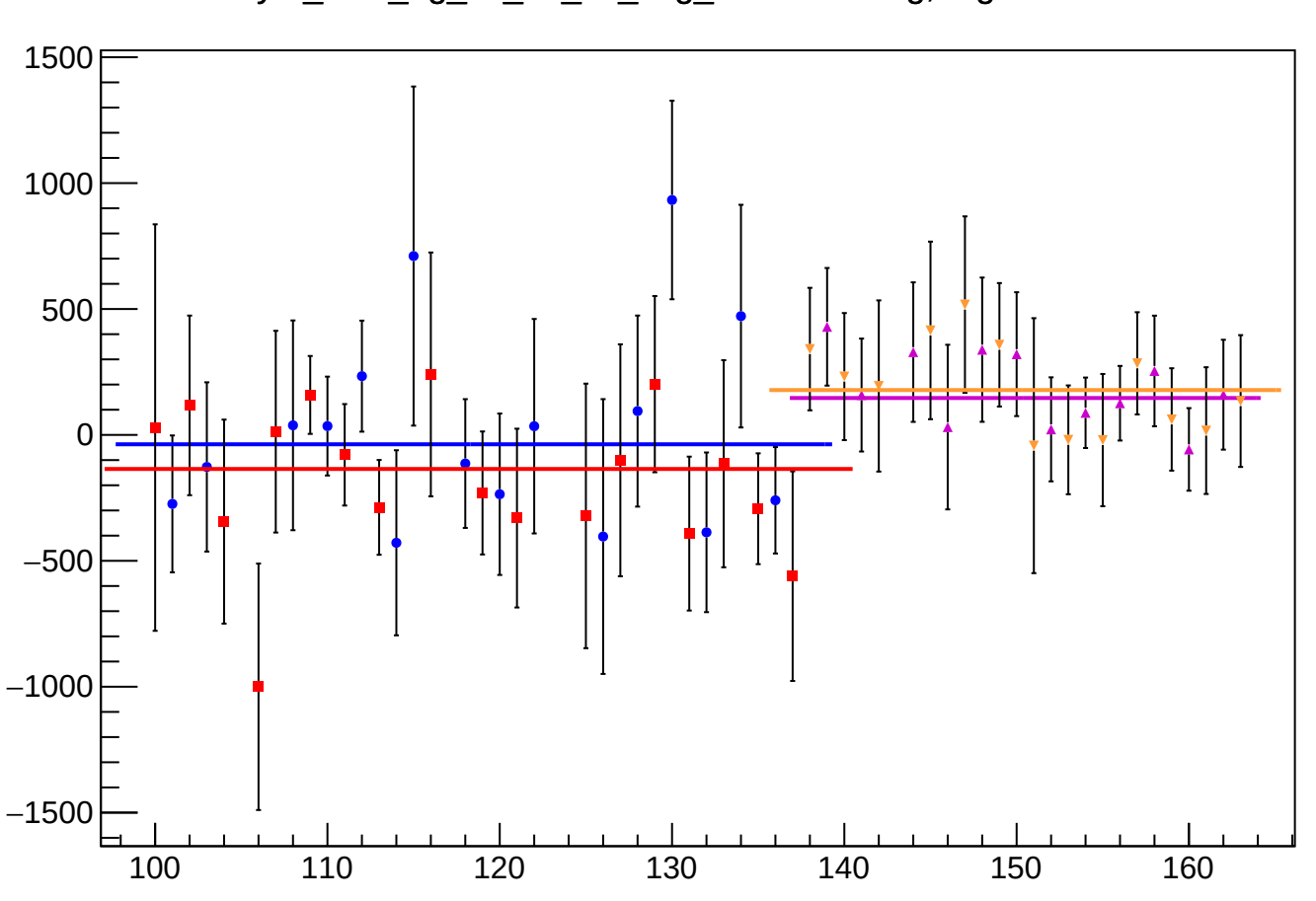
Left: 16.269+/-0.003 χ^2/NDF: 45370.9/24

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.718+/-0.003 χ^2/NDF:96634.7/27

Out: 16.751+/-0.003 χ^2/NDF:109417.4/30

All: 16.735+/-0.002 χ^2/NDF: 206120.6/58



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 178.083+/-72.018 χ^2/NDF:5.1/12

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 146.499+/-58.892 χ^2/NDF:5.3/11

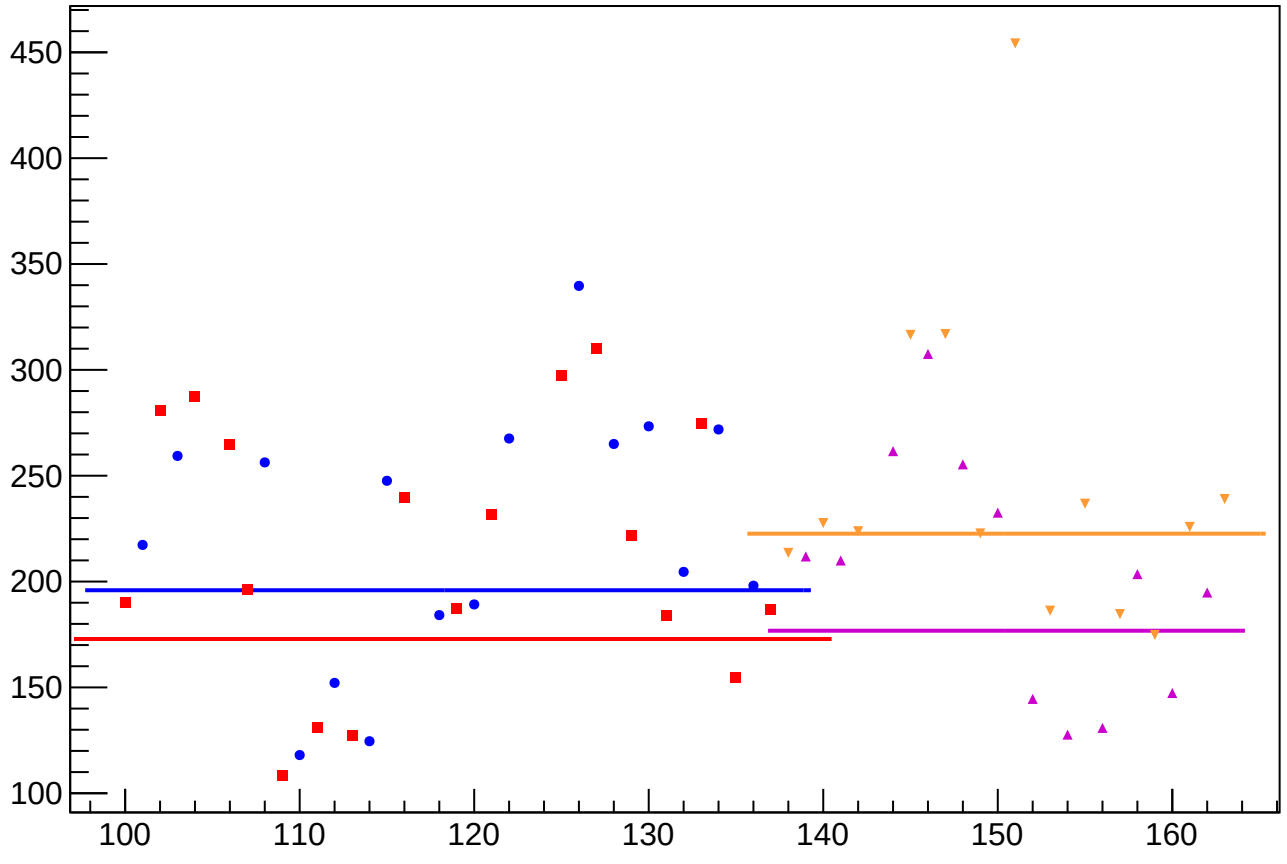
Left: 159.156+/-45.590 χ^2/NDF: 10.5/24

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 78.591+/-46.759 χ^2/NDF:24.6/27

Out: 15.055+/-49.882 χ^2/NDF:27.7/30

All: 48.874+/-34.115 χ^2/NDF: 53.2/58



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 222.617+/-0.051 χ^2/NDF:960248.6/12

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 176.778+/-0.042 χ^2/NDF:1444269.9/11

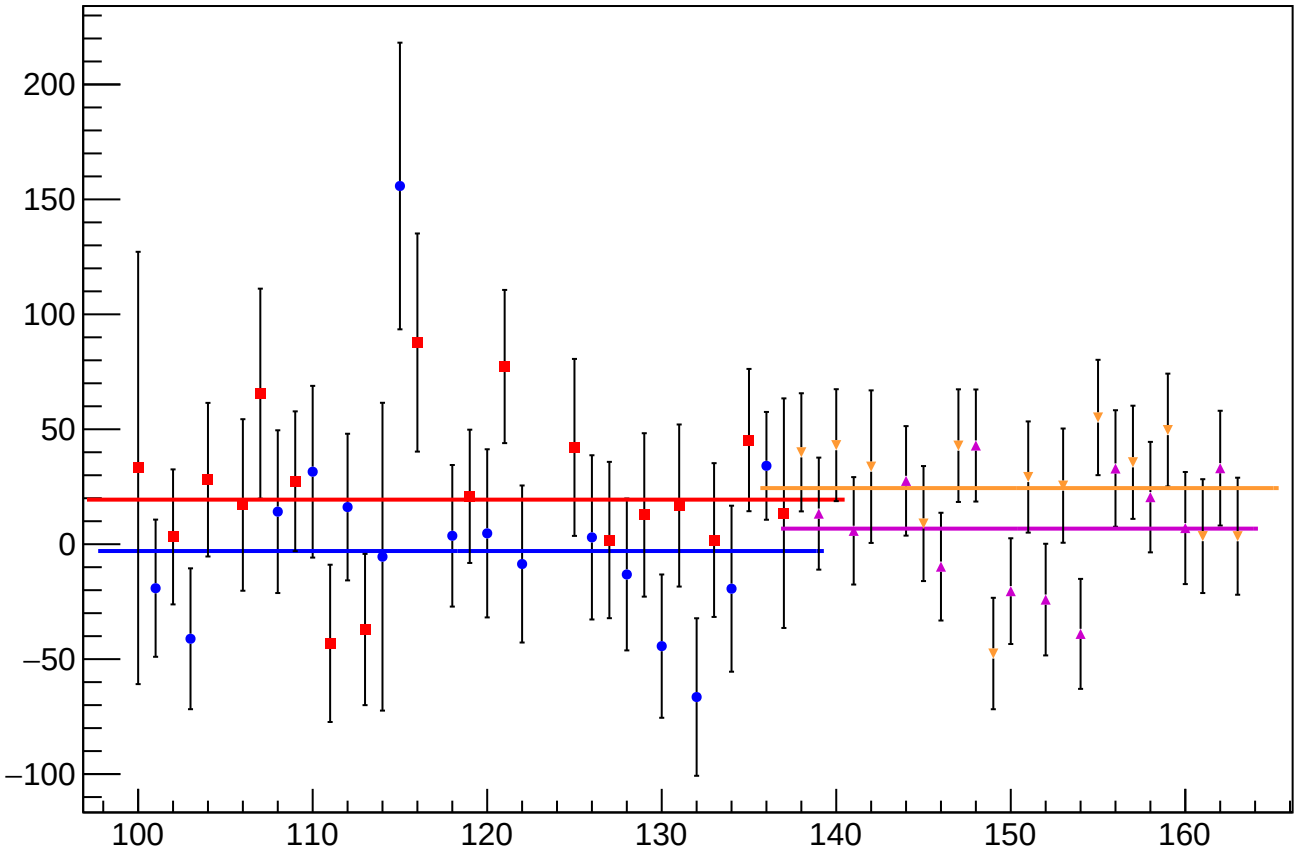
Left: 195.148+/-0.032 χ^2/NDF: 2890074.1/24

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 183.845+/-0.033 χ^2/NDF:2533204.9/27

Out: 196.738+/-0.035 χ^2/NDF:2999931.8/30

All: 189.875+/-0.024 χ^2/NDF: 5604246.4/58



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 24.408+/-6.988 χ^2/NDF:15.0/12

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 6.773+/-6.952 χ^2/NDF:12.7/11

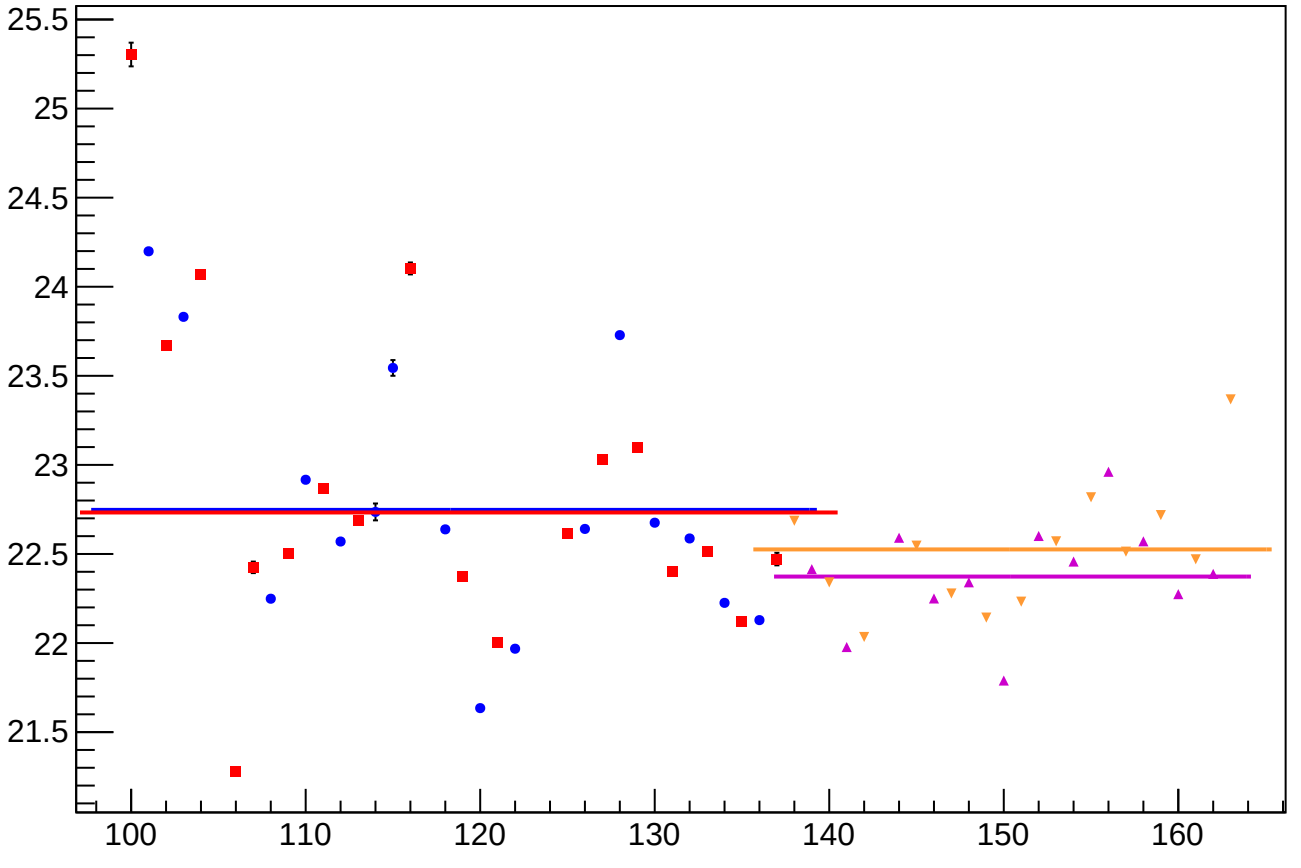
Left: 15.545+/-4.929 χ^2/NDF: 30.9/24

Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 2.843+/-5.370 χ^2/NDF:31.4/27

Out: 22.349+/-5.367 χ^2/NDF:29.7/30

All: 12.601+/-3.796 χ^2/NDF: 67.8/58



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.526+/-0.005 χ^2/NDF:4231.7/12

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.373+/-0.005 χ^2/NDF:3539.3/11

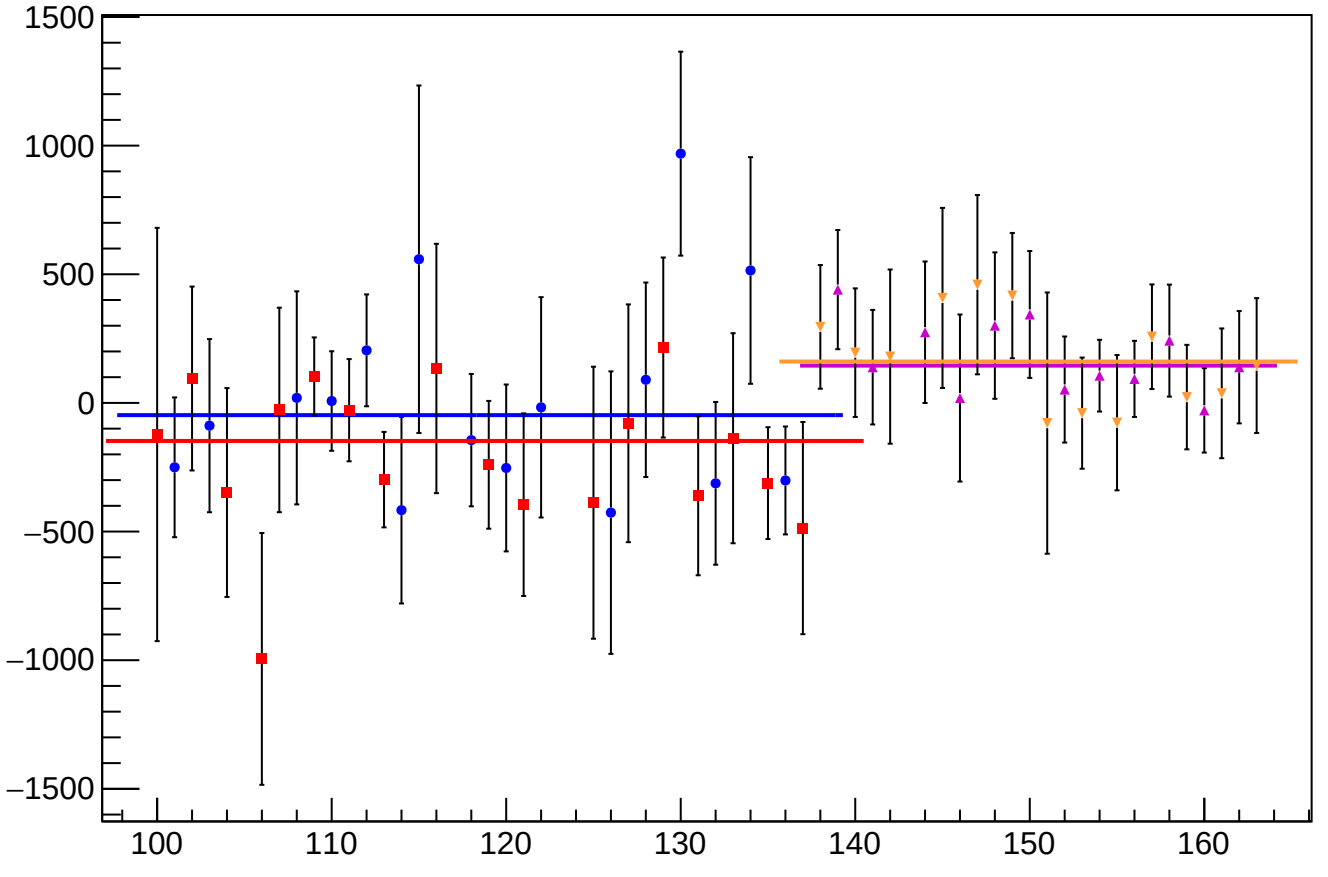
Left: 22.449+/-0.003 χ^2/NDF: 8249.0/24

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.524+/-0.004 χ^2/NDF:20500.8/27

Out: 22.611+/-0.004 χ^2/NDF:19343.5/30

All: 22.567+/-0.003 χ^2/NDF: 40103.4/58



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 160.812+/-71.838 χ^2/NDF:5.5/12

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 144.933+/-58.693 χ^2/NDF:4.7/11

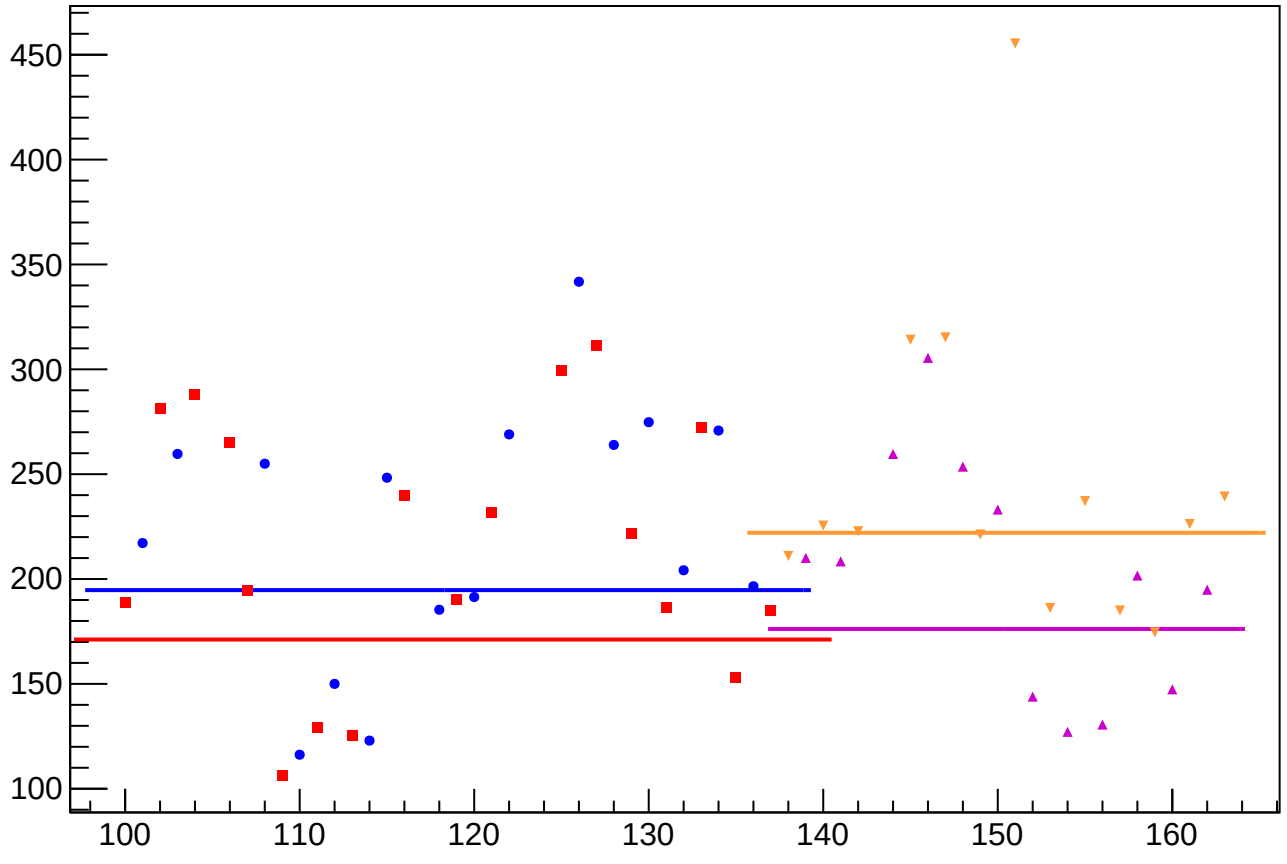
Left: 151.290+/-45.452 χ^2/NDF: 10.2/24

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 73.706+/-46.583 χ^2/NDF:24.1/27

Out: -0.478+/-49.635 χ^2/NDF:26.7/30

All: 38.965+/-33.967 χ^2/NDF: 51.9/58



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 222.062+/-0.051 χ^2/NDF:954894.0/12

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 176.193+/-0.042 χ^2/NDF:1430603.6/11

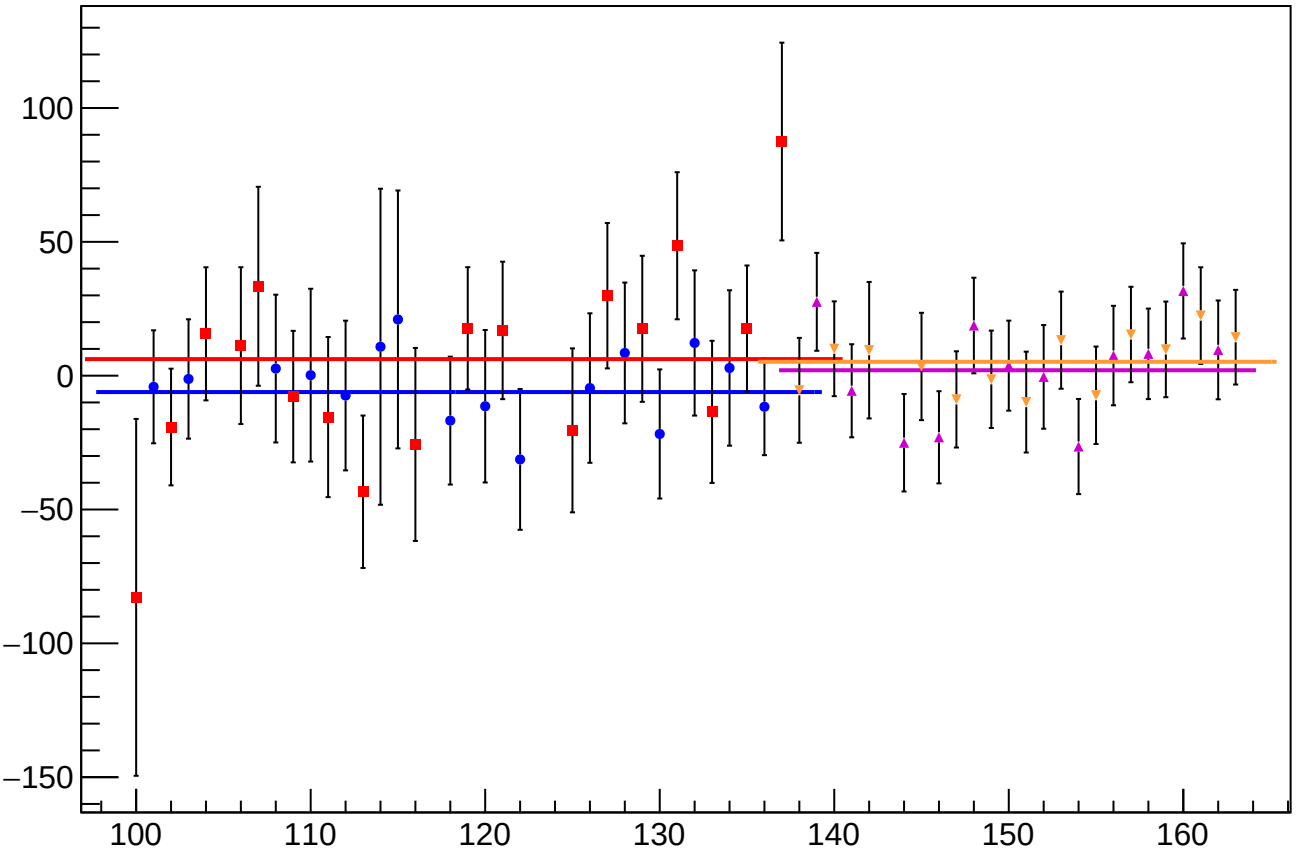
Left: 194.554+/-0.032 χ^2/NDF: 2874474.6/24

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.045+/-0.033 χ^2/NDF:2556552.0/27

Out: 195.458+/-0.035 χ^2/NDF:3091670.9/30

All: 188.858+/-0.024 χ^2/NDF: 5714728.0/58



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.191+/-5.174 χ^2/NDF:4.0/12

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 2.031+/-5.151 χ^2/NDF:13.1/11

Left: 3.604+/-3.651 χ^2/NDF: 17.3/24

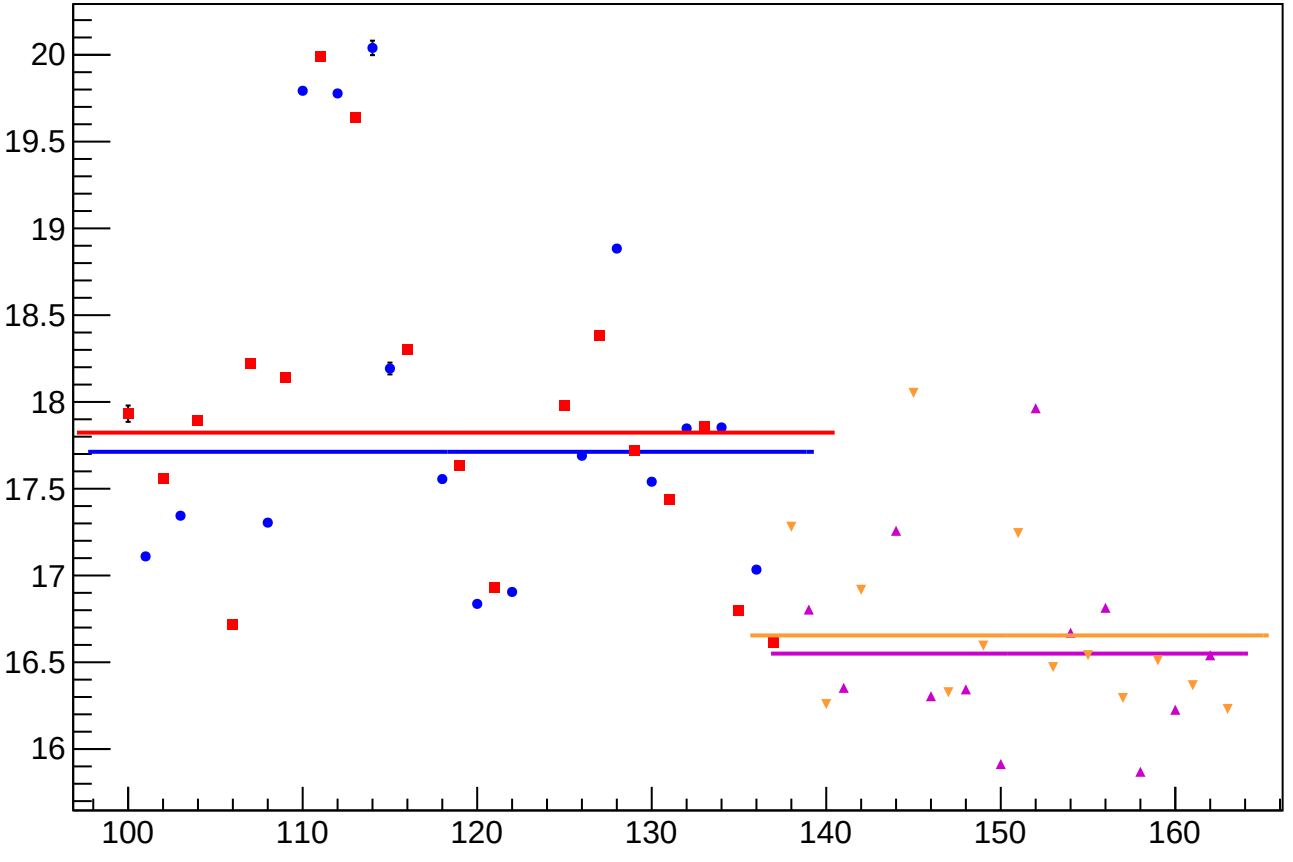
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -1.059+/-4.059 χ^2/NDF:17.2/27

Out: 5.574+/-4.067 χ^2/NDF:22.7/30

All: 2.251+/-2.873 χ^2/NDF: 41.2/58

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.655+/-0.004 χ^2/NDF:18497.6/12

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.550+/-0.004 χ^2/NDF:22255.5/11

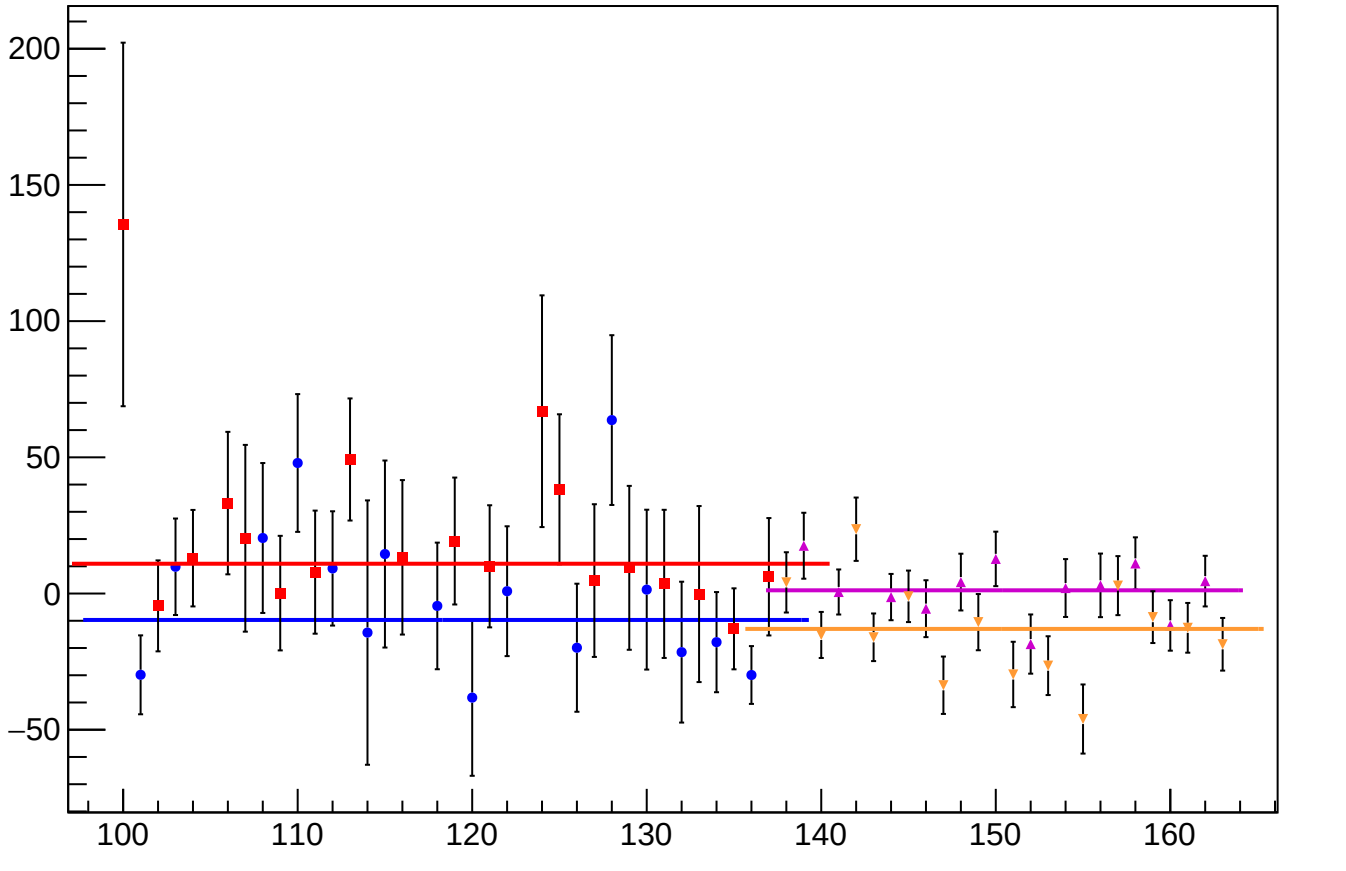
Left: 16.602+/-0.003 χ^2/NDF: 41164.9/24

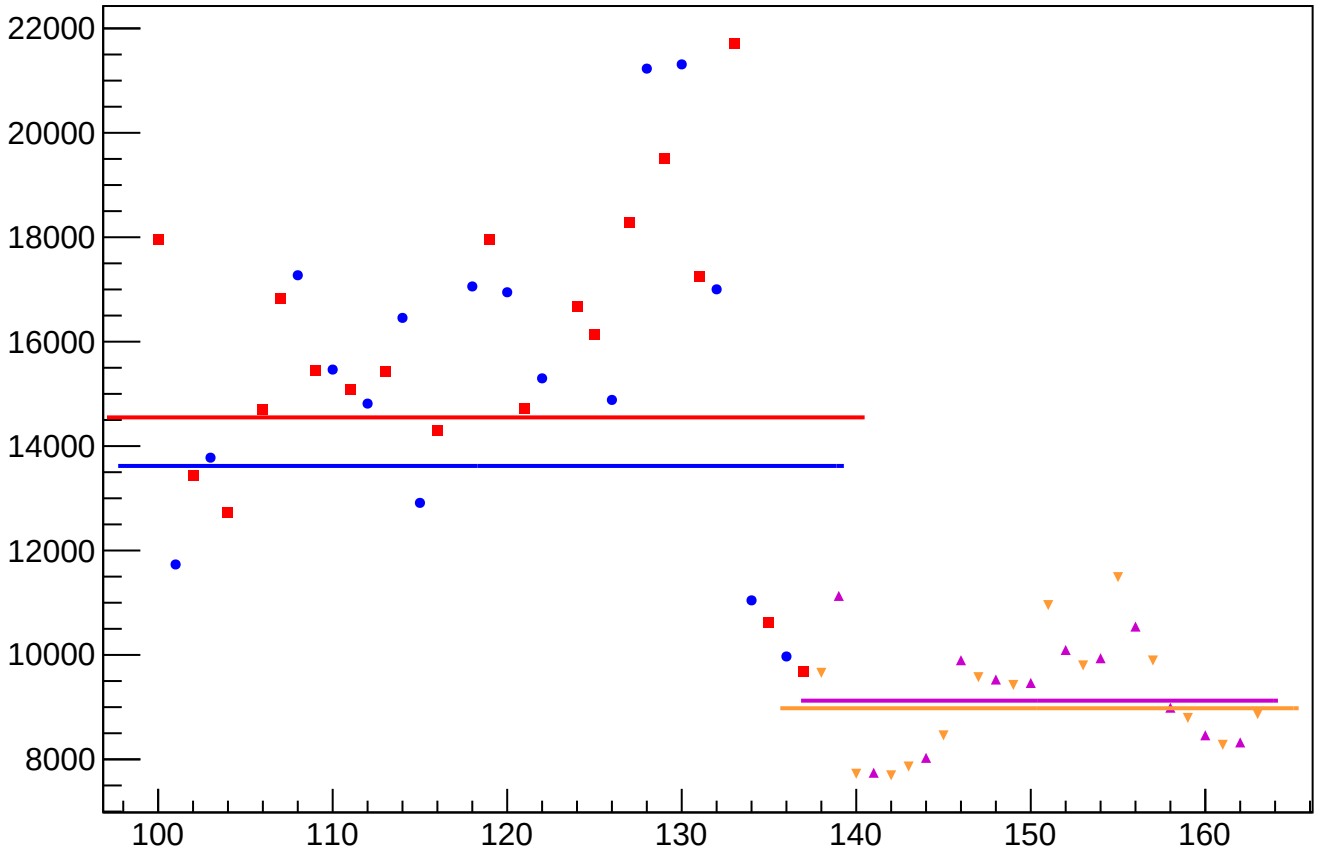
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

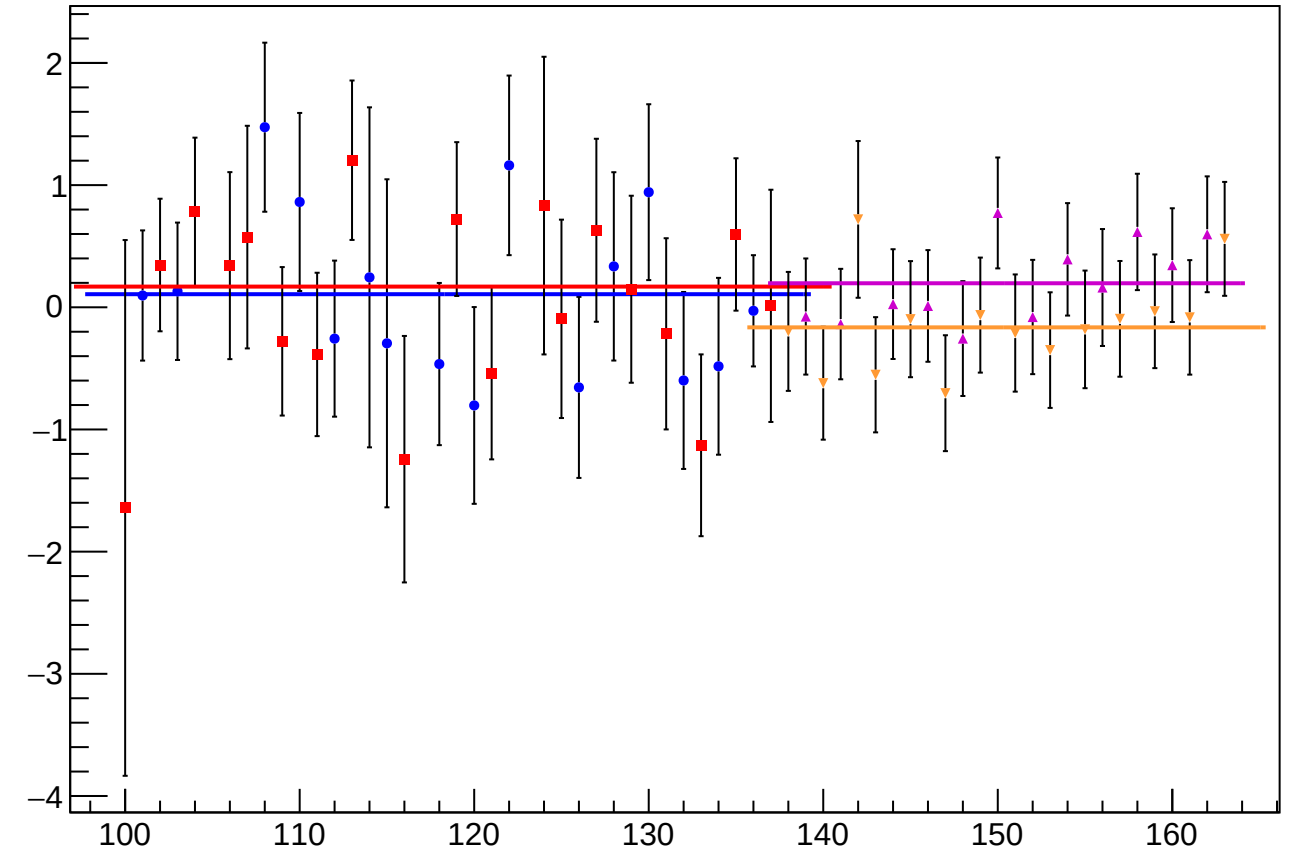
In: 16.991+/-0.003 χ^2/NDF:96864.2/27

Out: 17.101+/-0.003 χ^2/NDF:89966.5/30

All: 17.046+/-0.002 χ^2/NDF: 187568.8/58


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -12.989+/-2.709 χ²/NDF:31.0/13
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 1.181+/-2.858 χ²/NDF:10.2/11
Left: -6.281+/-1.966 χ²/NDF: 54.2/25
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -1.320+/-2.508 χ²/NDF:35.5/27
Out: -8.228+/-2.425 χ²/NDF:60.6/32
All: -4.890+/-1.743 χ²/NDF: 100.1/60


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8979.147+/-1.916 χ²/NDF:295874.3/13
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9124.347+/-2.021 χ²/NDF:242837.9/11
Left: 9047.878+/-1.390 χ²/NDF: 541431.6/25
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 10157.463+/-1.773 χ²/NDF:2127313.8/27
Out: 10087.425+/-1.715 χ²/NDF:2534013.1/32
All: 10121.264+/-1.233 χ²/NDF: 4662133.1/6



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.164+/-0.128 χ^2/NDF:7.6/13

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.197+/-0.134 χ^2/NDF:5.8/11

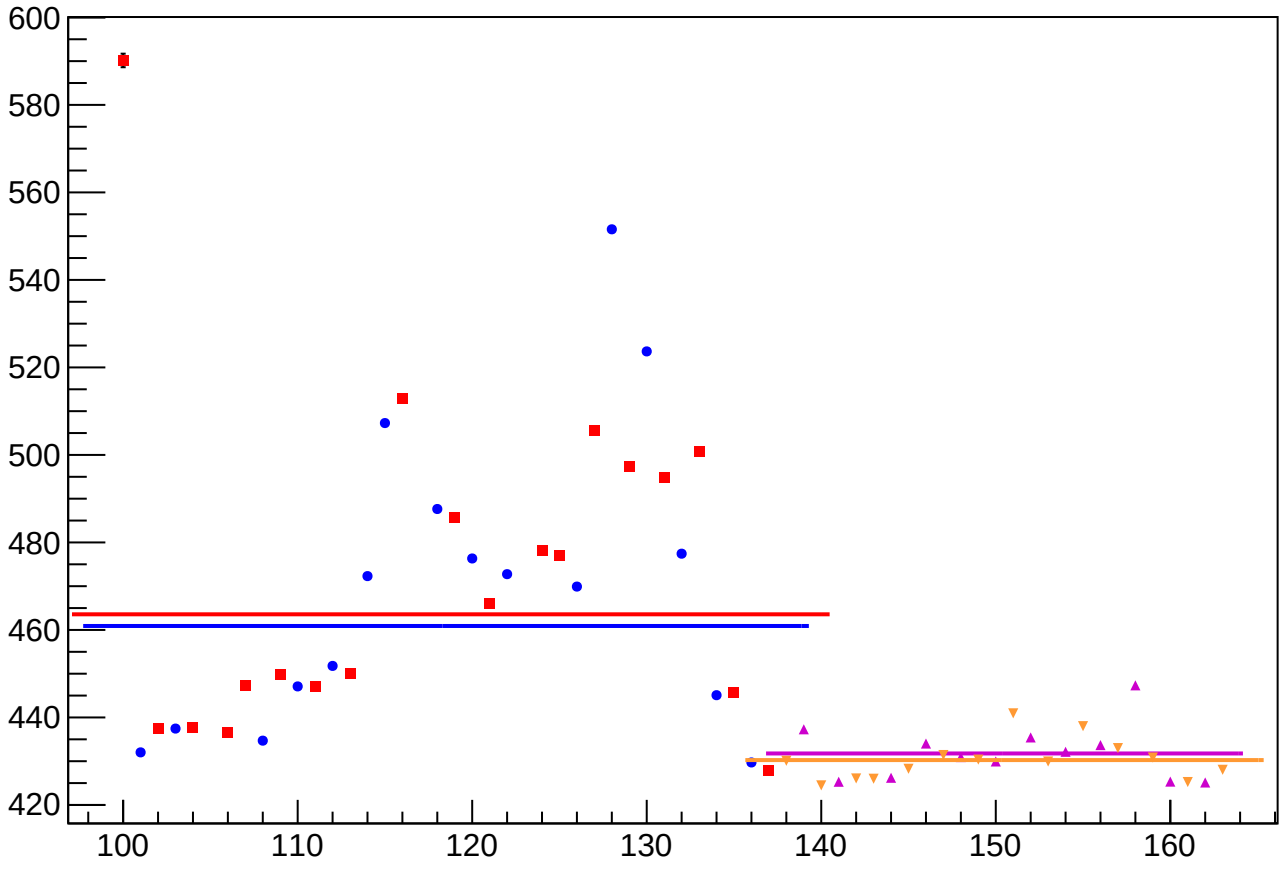
Left: 0.008+/-0.093 χ^2/NDF: 17.3/25

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.163+/-0.106 χ^2/NDF:19.7/27

Out: -0.042+/-0.102 χ^2/NDF:24.2/32

All: 0.057+/-0.074 χ^2/NDF: 45.8/60



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 430.257+/-0.091 χ^2/NDF:2464.3/13

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.770+/-0.095 χ^2/NDF:4139.3/11

Left: 430.981+/-0.066 χ^2/NDF: 6736.3/25

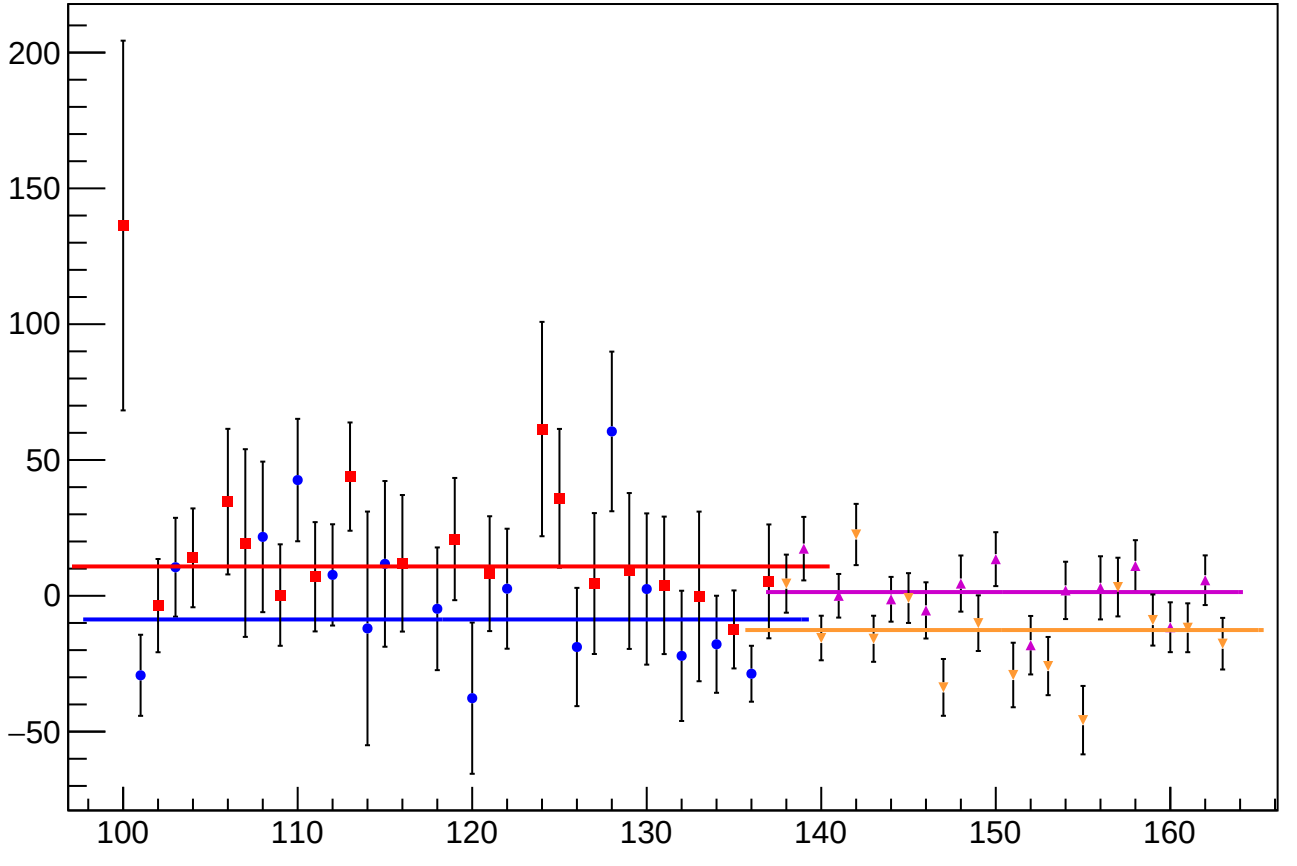
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 442.812+/-0.075 χ^2/NDF:114831.0/27

Out: 442.421+/-0.072 χ^2/NDF:103733.5/32

All: 442.610+/-0.052 χ^2/NDF: 218578.6/60

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -12.611+/-2.660 χ^2/NDF:31.3/13

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.373+/-2.813 χ^2/NDF:10.6/11

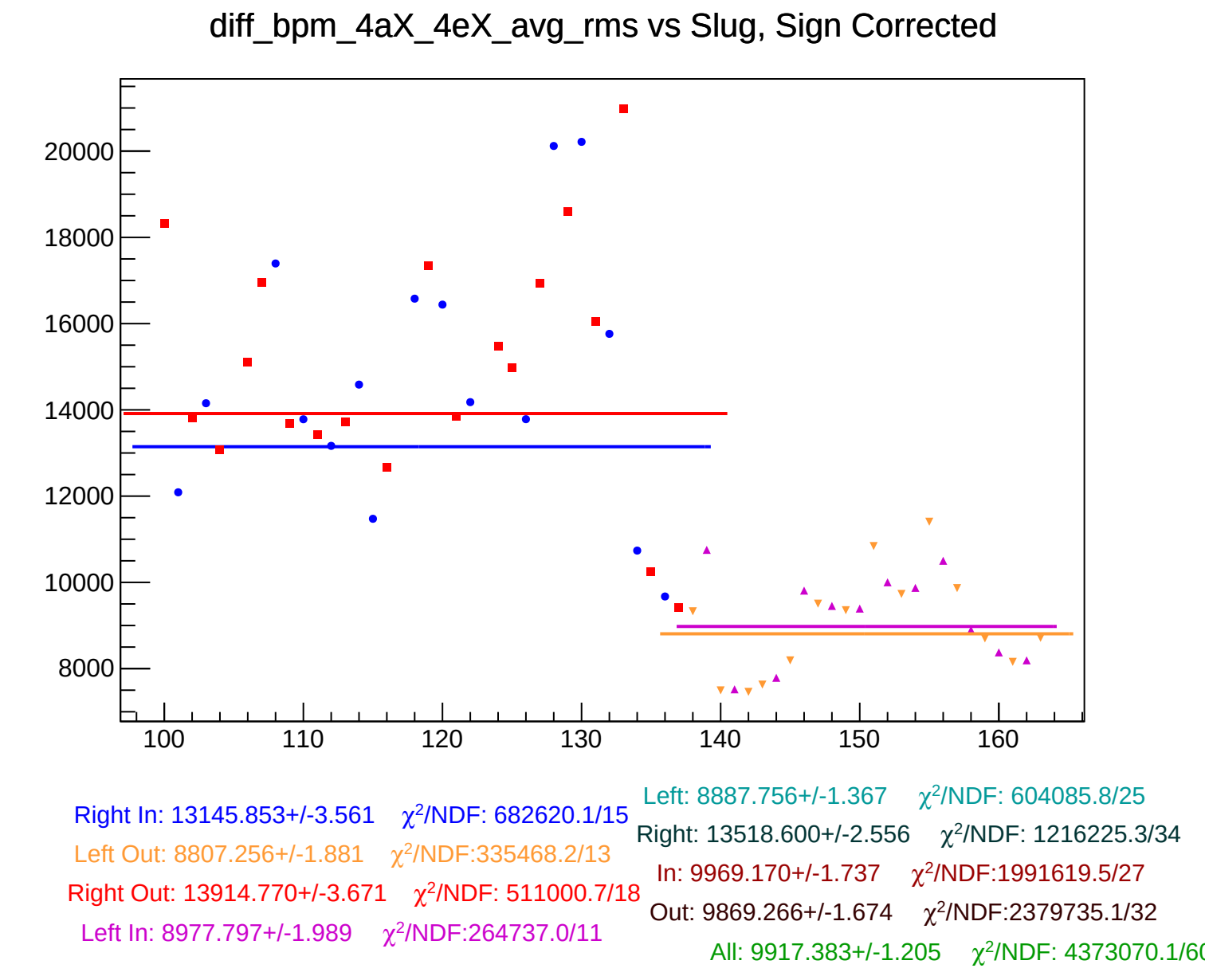
Left: -6.010+/-1.933 χ^2/NDF: 55.0/25

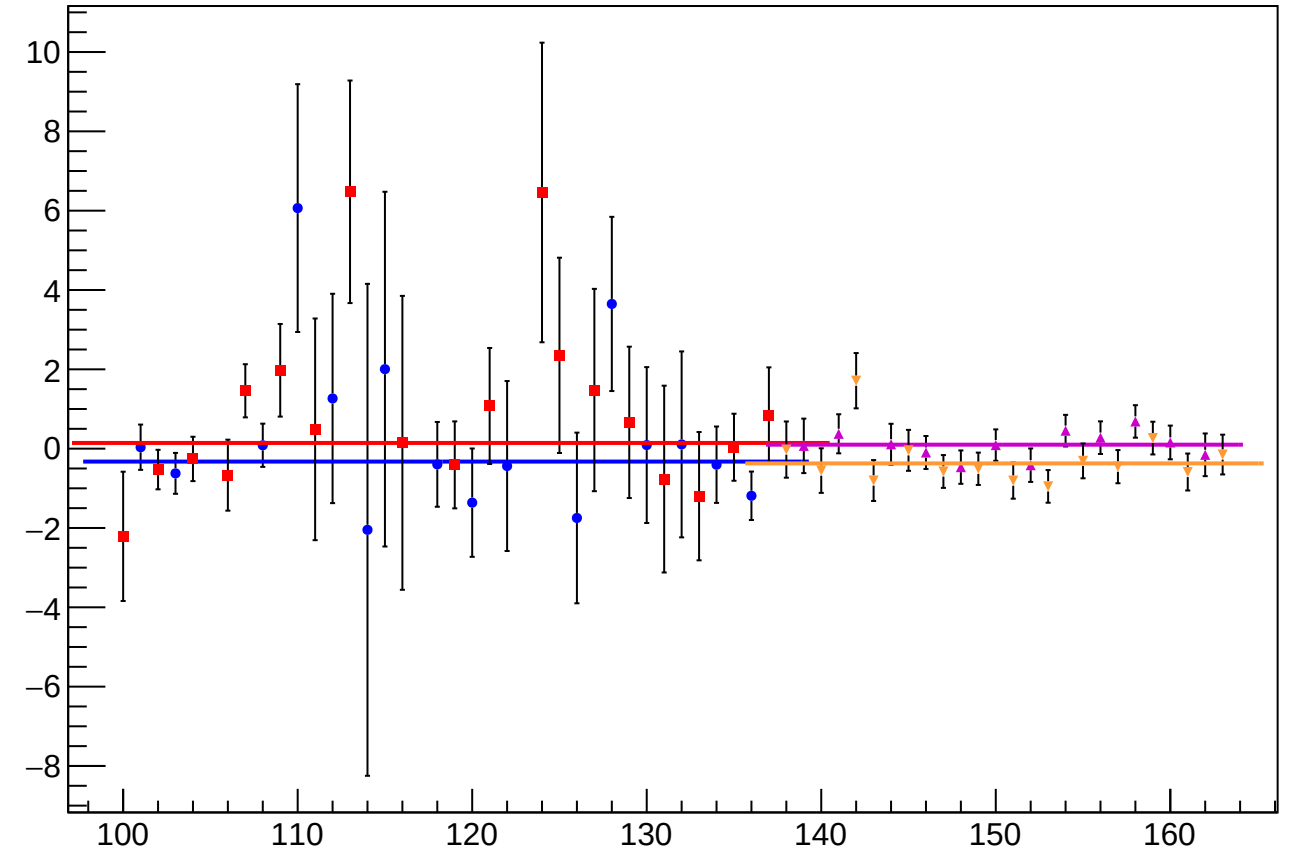
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.025+/-2.456 χ^2/NDF:35.9/27

Out: -7.741+/-2.367 χ^2/NDF:61.3/32

All: -4.506+/-1.704 χ^2/NDF: 101.1/60


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8807.256+/-1.881 χ²/NDF:335468.2/13
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8977.797+/-1.989 χ²/NDF:264737.0/11
Left: 8887.756+/-1.367 χ²/NDF: 604085.8/25
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9969.170+/-1.737 χ²/NDF:1991619.5/27
Out: 9869.266+/-1.674 χ²/NDF:2379735.1/32
All: 9917.383+/-1.205 χ²/NDF: 4373070.1/60



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.372+/-0.126 χ^2/NDF:16.5/13

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.100+/-0.128 χ^2/NDF:7.1/11

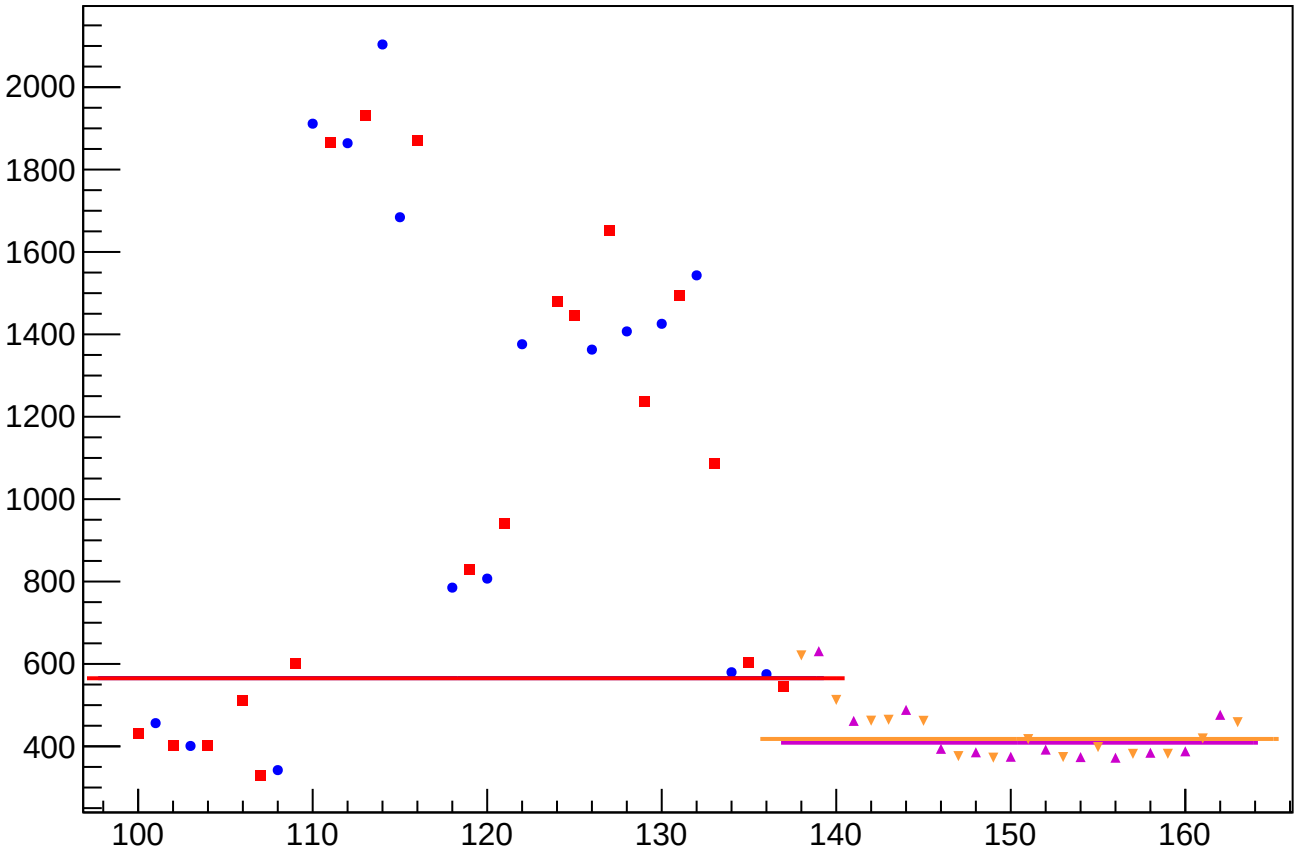
Left: -0.140+/-0.090 χ^2/NDF: 30.5/25

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.008+/-0.114 χ^2/NDF:22.1/27

Out: -0.263+/-0.112 χ^2/NDF:42.5/32

All: -0.129+/-0.080 χ^2/NDF: 67.4/60



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 417.936+/-0.089 χ^2/NDF:374949.1/13

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 408.806+/-0.091 χ^2/NDF:381141.6/11

Left: 413.449+/-0.064 χ^2/NDF: 761227.2/25

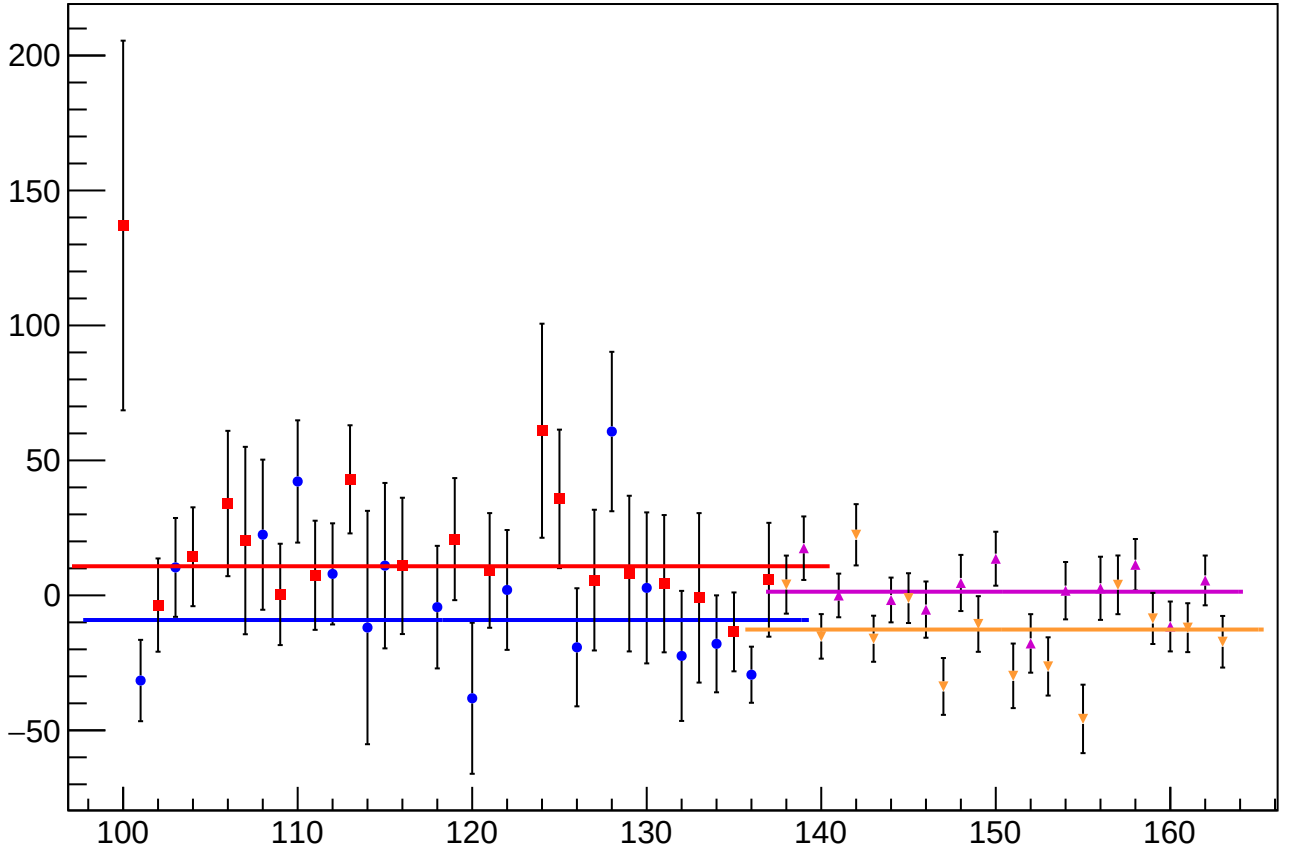
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 442.794+/-0.080 χ^2/NDF:4477204.7/27

Out: 448.987+/-0.079 χ^2/NDF:4519955.6/32

All: 445.931+/-0.056 χ^2/NDF: 9000166.9/60

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -12.660+/-2.677 χ^2/NDF:31.1/13

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 1.350+/-2.832 χ^2/NDF:10.4/11

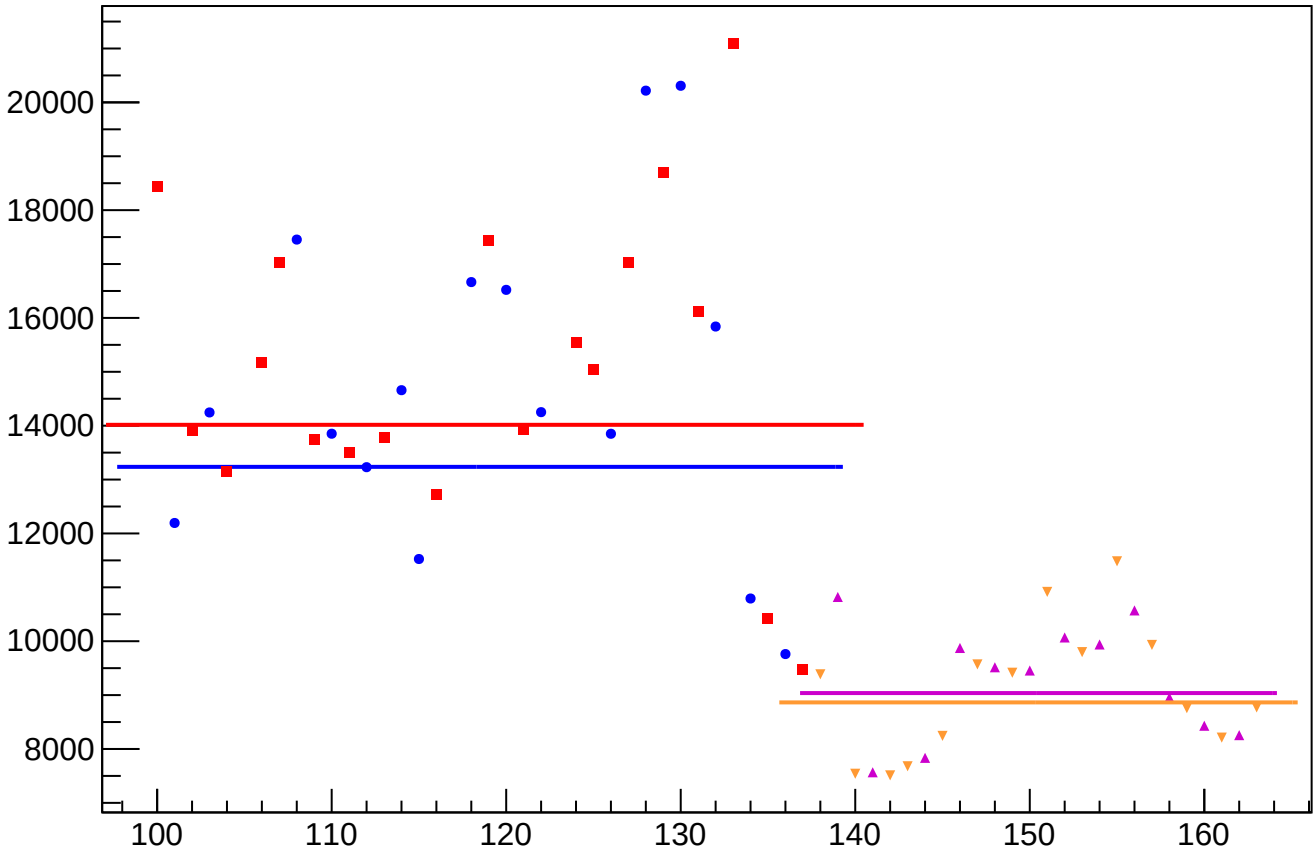
Left: -6.048+/-1.945 χ^2/NDF: 54.4/25

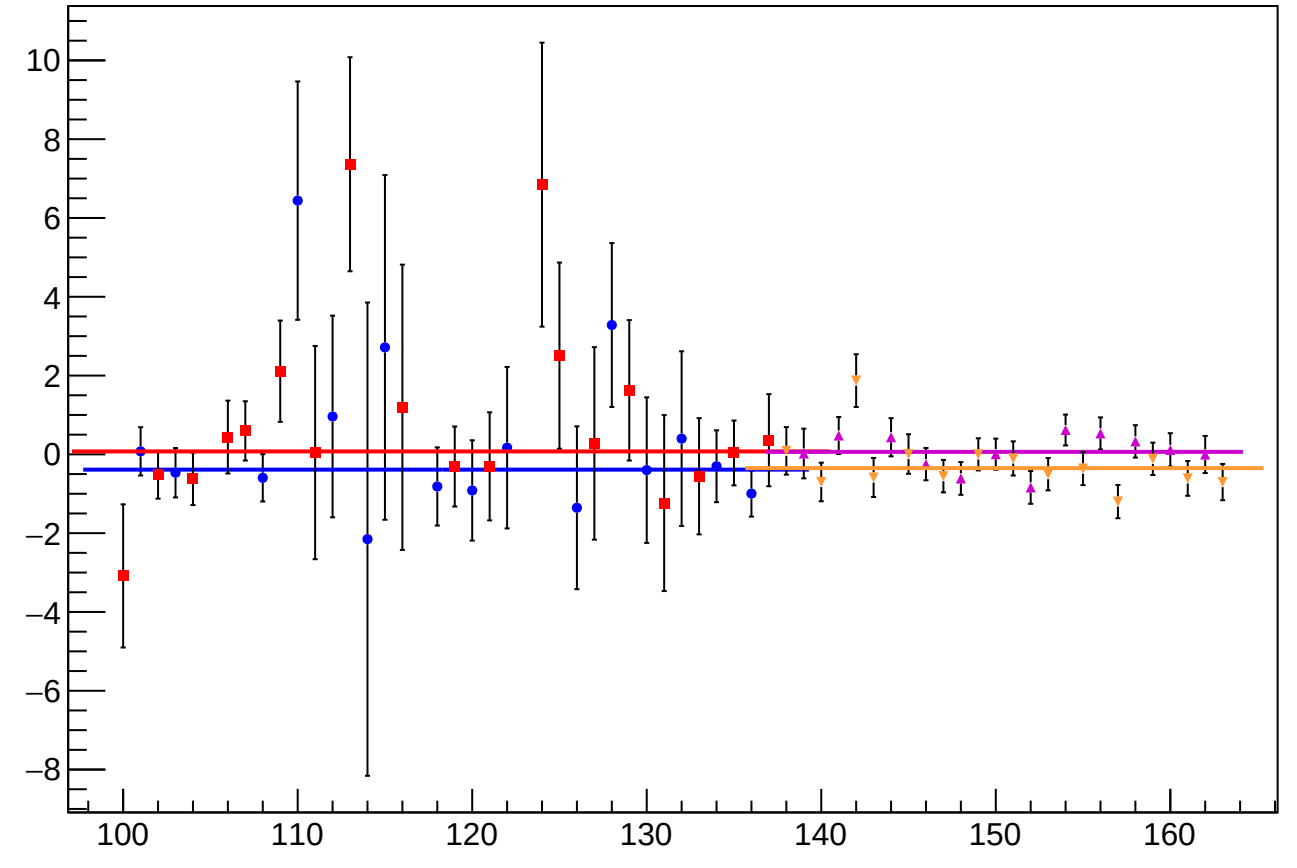
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.143+/-2.472 χ^2/NDF:36.4/27

Out: -7.788+/-2.383 χ^2/NDF:60.7/32

All: -4.588+/-1.716 χ^2/NDF: 100.9/60


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8864.343+/-1.893 χ²/NDF:336096.6/13
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9037.650+/-2.002 χ²/NDF:264819.2/11
Left: 8946.134+/-1.376 χ²/NDF: 604871.1/25
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10036.212+/-1.748 χ²/NDF:1984149.1/27
Out: 9934.846+/-1.685 χ²/NDF:2373524.9/32
All: 9983.663+/-1.213 χ²/NDF: 4359416.9/60



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.349+/-0.122 χ^2/NDF:19.6/13

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.063+/-0.125 χ^2/NDF:13.1/11

Left: -0.149+/-0.087 χ^2/NDF: 38.2/25

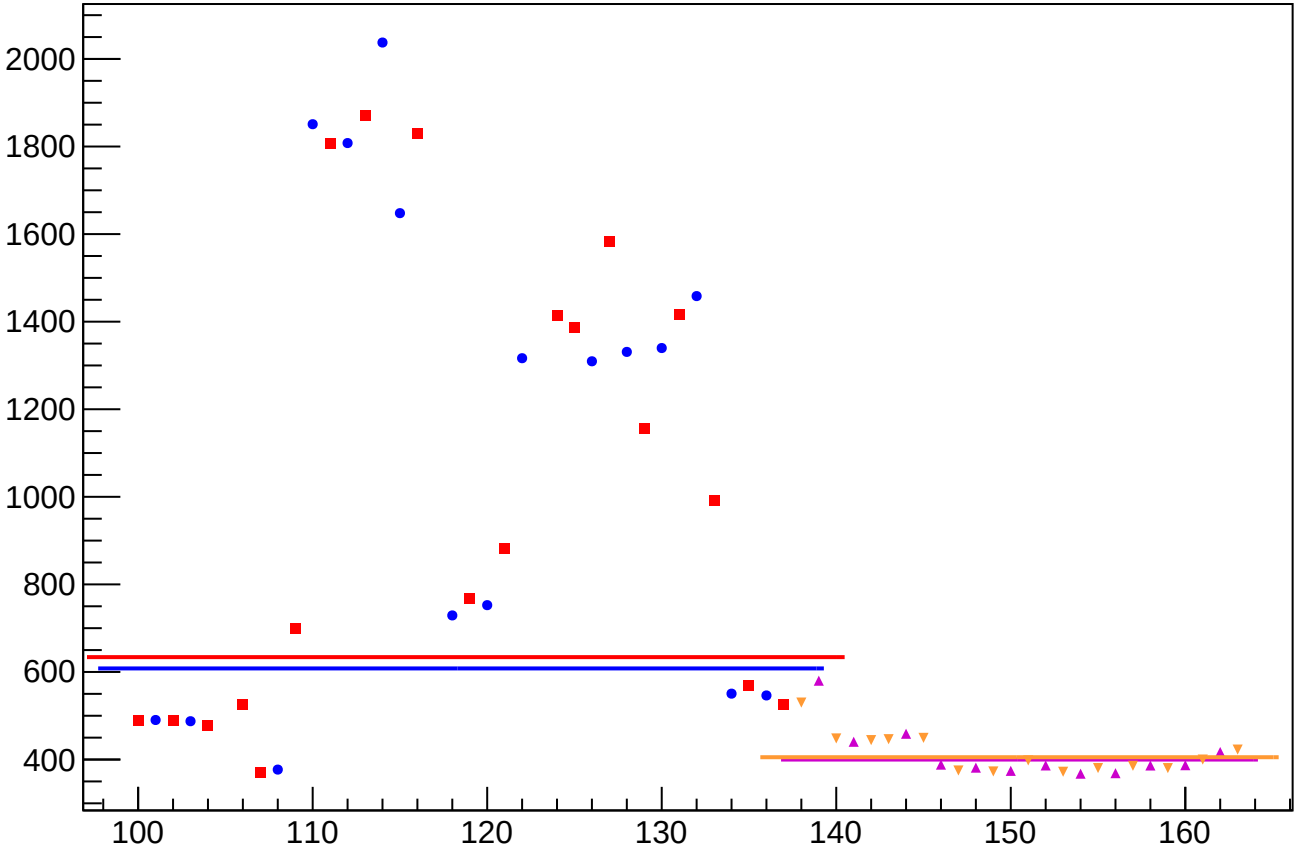
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.024+/-0.112 χ^2/NDF:27.3/27

Out: -0.275+/-0.111 χ^2/NDF:43.4/32

All: -0.152+/-0.079 χ^2/NDF: 73.2/60

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 405.279+/-0.086 χ^2/NDF:196036.4/13

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 399.945+/-0.089 χ^2/NDF:255843.9/11

Left: 402.687+/-0.062 χ^2/NDF: 453746.6/25

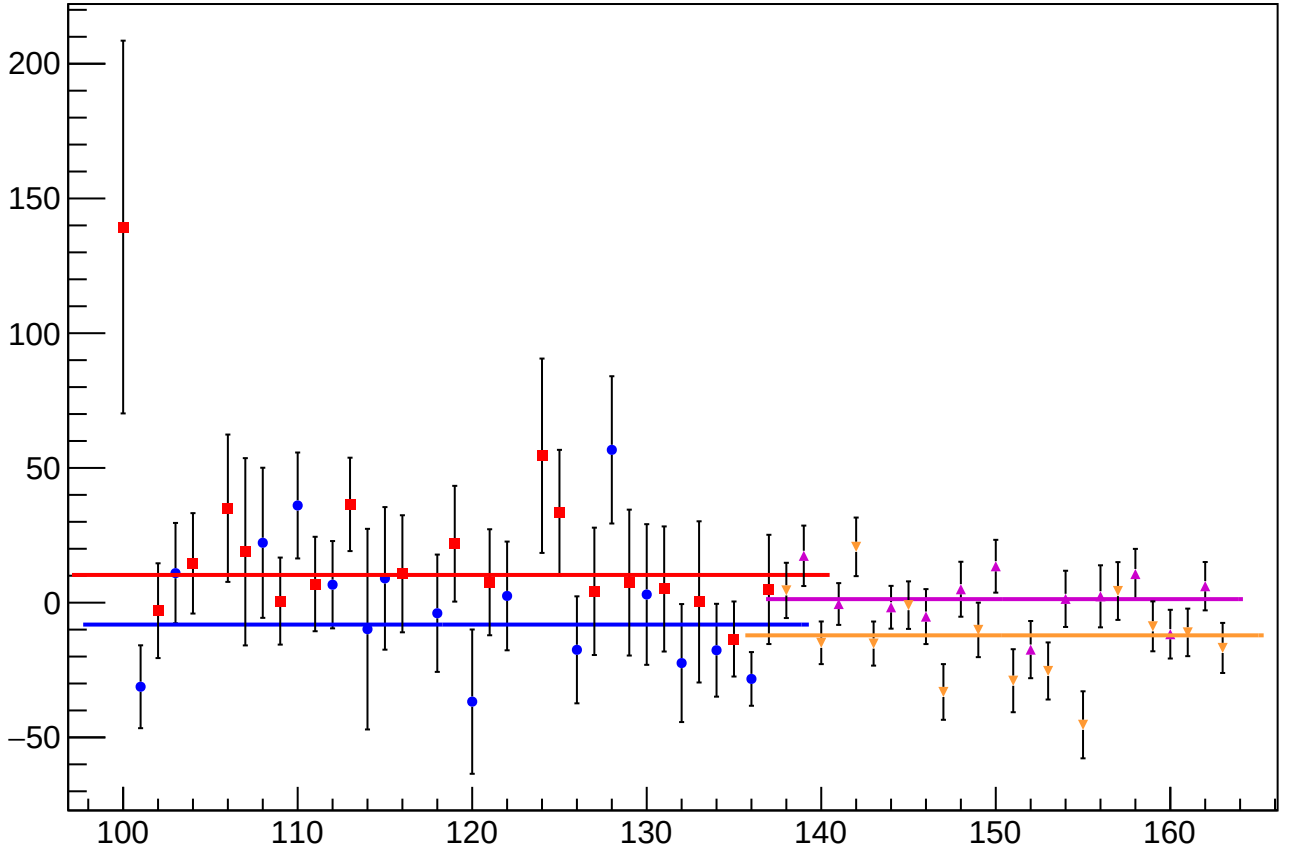
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 440.182+/-0.080 χ^2/NDF:4177306.7/27

Out: 445.235+/-0.078 χ^2/NDF:4217155.4/32

All: 442.750+/-0.056 χ^2/NDF: 8396515.2/60

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -12.127+/-2.596 χ^2/NDF:31.3/13

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.311+/-2.754 χ^2/NDF:10.8/11

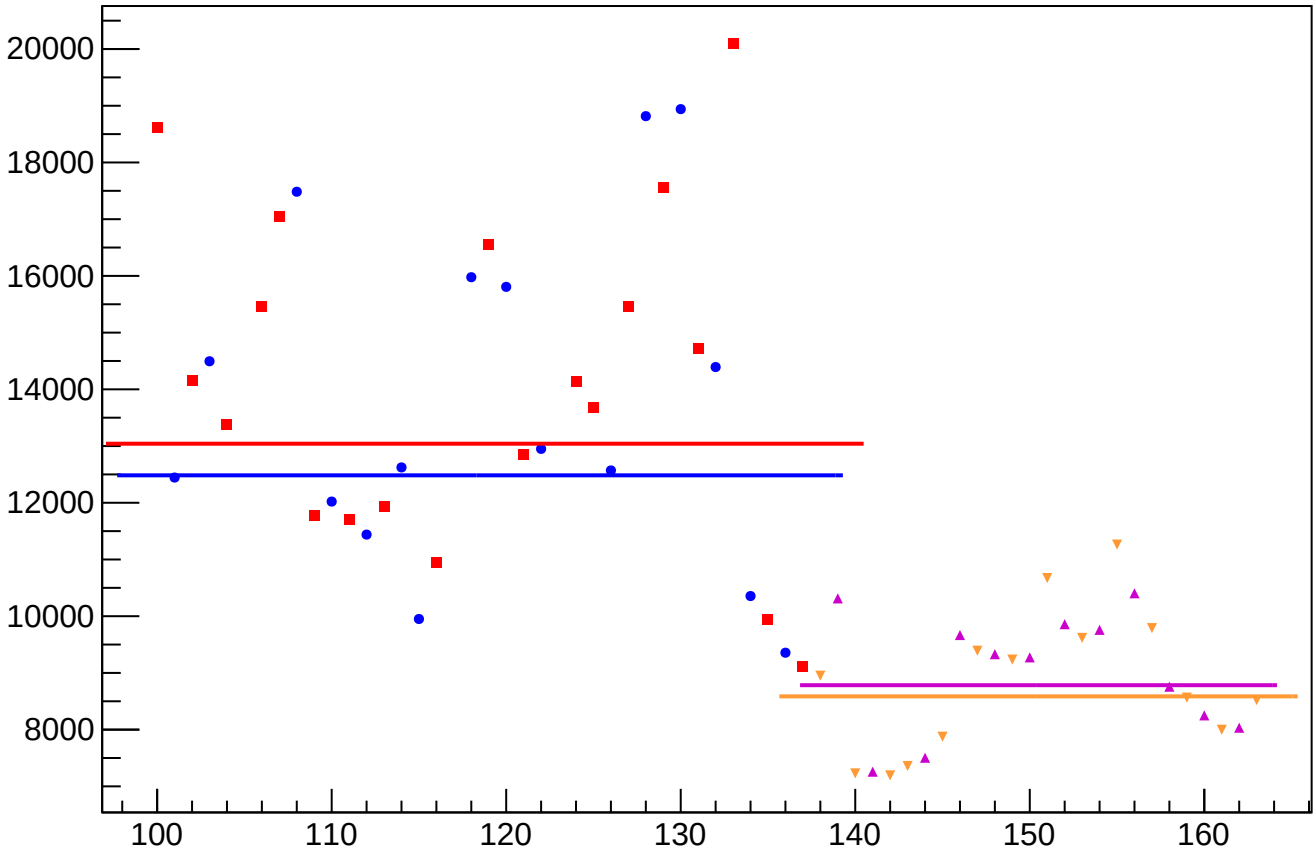
Left: -5.803+/-1.889 χ^2/NDF: 54.8/25

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -1.043+/-2.386 χ^2/NDF:36.9/27

Out: -7.171+/-2.291 χ^2/NDF:61.5/32

All: -4.231+/-1.653 χ^2/NDF: 101.8/60



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8586.741+/-1.836 χ^2/NDF:382092.8/13

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8783.608+/-1.947 χ^2/NDF:290888.3/11

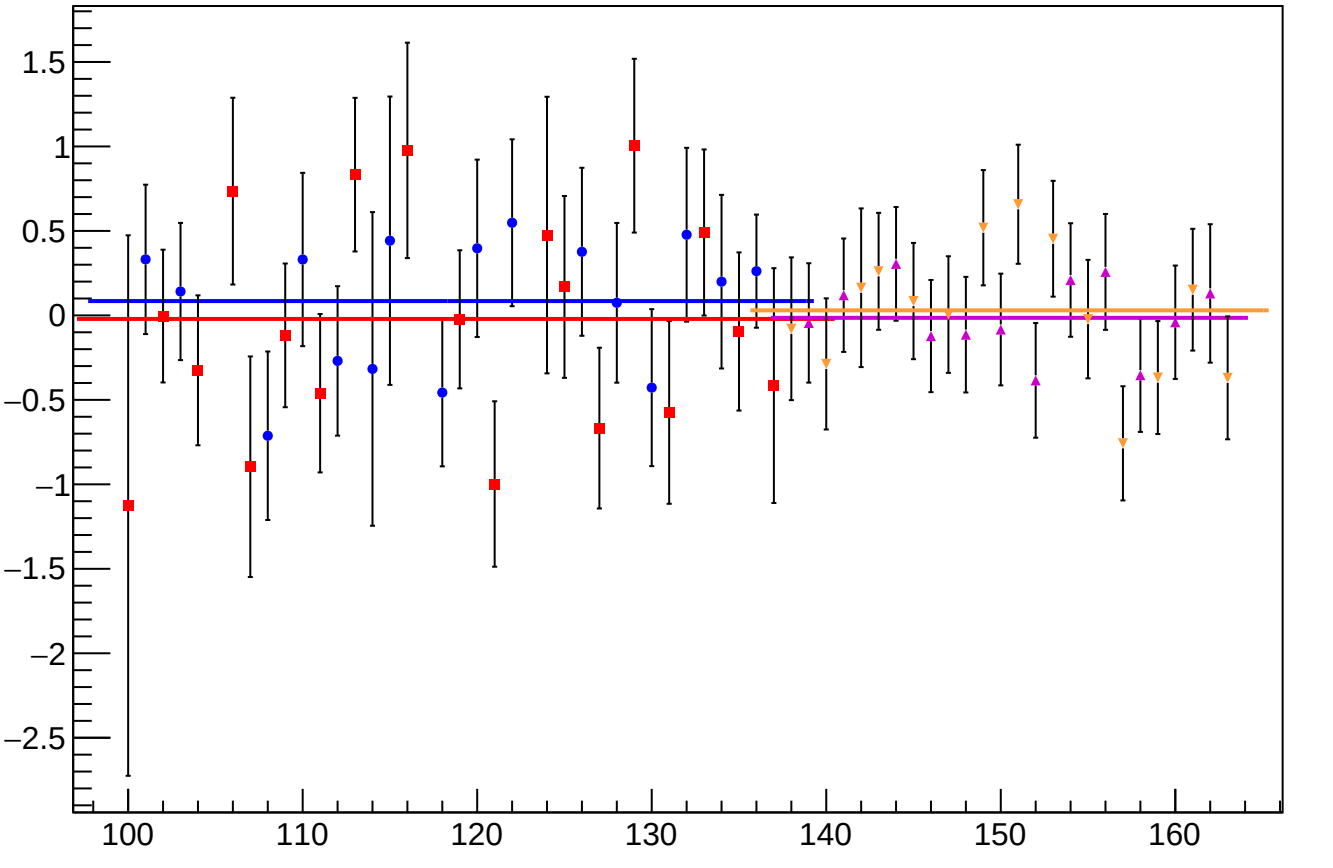
Left: 8679.377+/-1.336 χ^2/NDF: 678392.0/25

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9706.075+/-1.687 χ^2/NDF:1862558.7/27

Out: 9571.532+/-1.620 χ^2/NDF:2228123.8/32

All: 9636.080+/-1.169 χ^2/NDF: 4093990.6/60



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.030+/-0.096 χ^2/NDF:16.2/13

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.014+/-0.099 χ^2/NDF:4.7/11

Left: 0.008+/-0.069 χ^2/NDF: 21.1/25

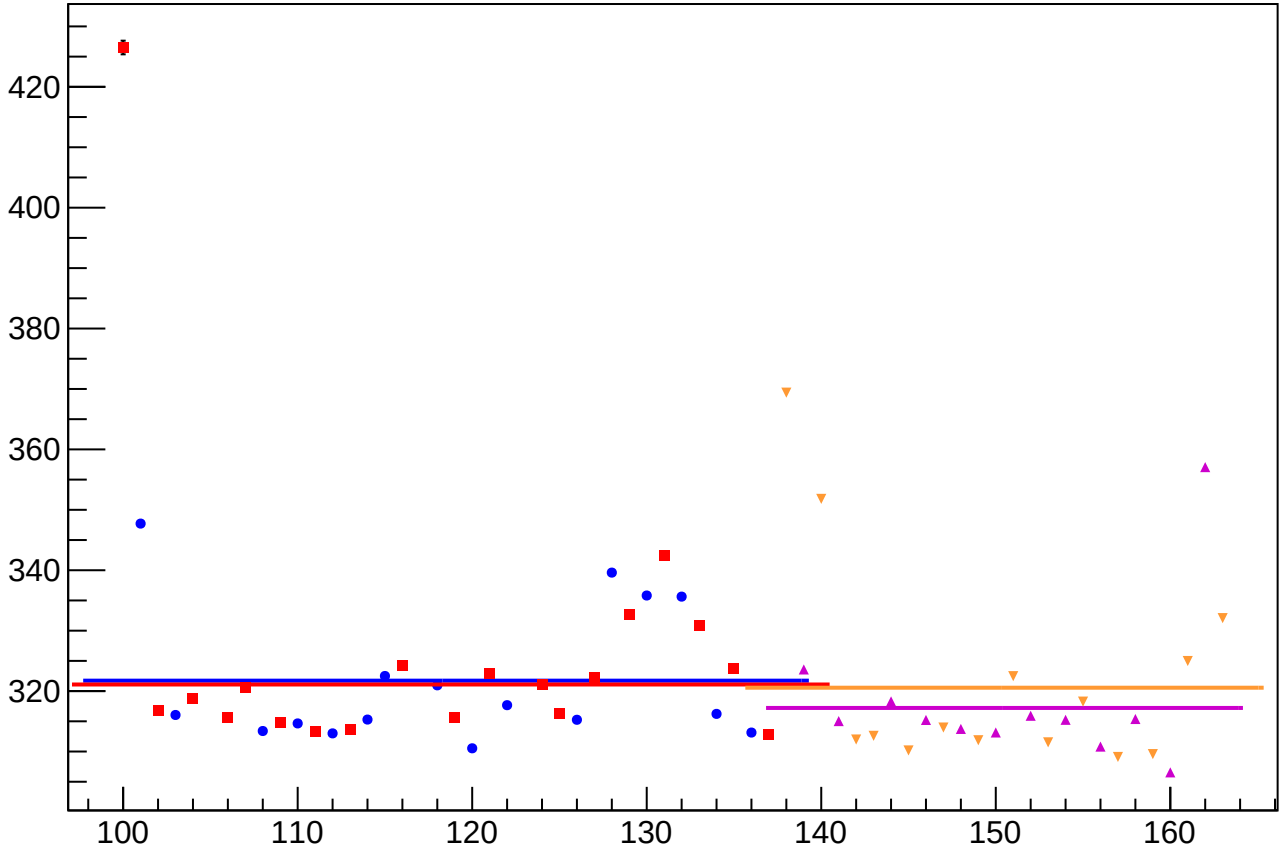
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.026+/-0.076 χ^2/NDF:14.5/27

Out: 0.009+/-0.074 χ^2/NDF:40.6/32

All: 0.017+/-0.053 χ^2/NDF: 55.2/60

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 320.561+/-0.068 χ^2/NDF:53553.1/13

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 317.212+/-0.070 χ^2/NDF:23125.1/11

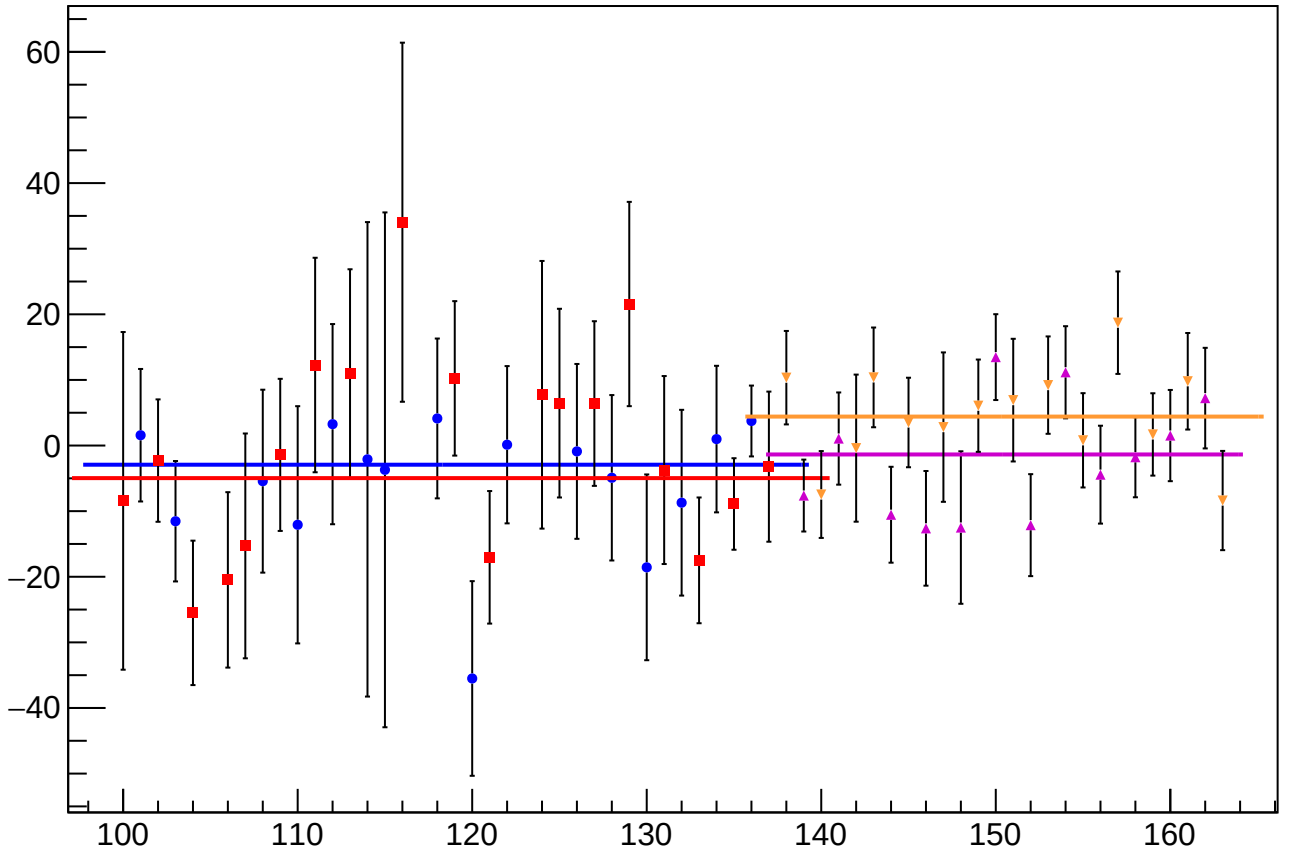
Left: 318.934+/-0.049 χ^2/NDF: 77857.2/25

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.035+/-0.054 χ^2/NDF:43023.5/27

Out: 320.774+/-0.053 χ^2/NDF:70156.9/32

All: 319.927+/-0.038 χ^2/NDF: 113712.2/60



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.413+/-2.025 χ^2/NDF:12.5/13

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -1.360+/-2.061 χ^2/NDF:17.4/11

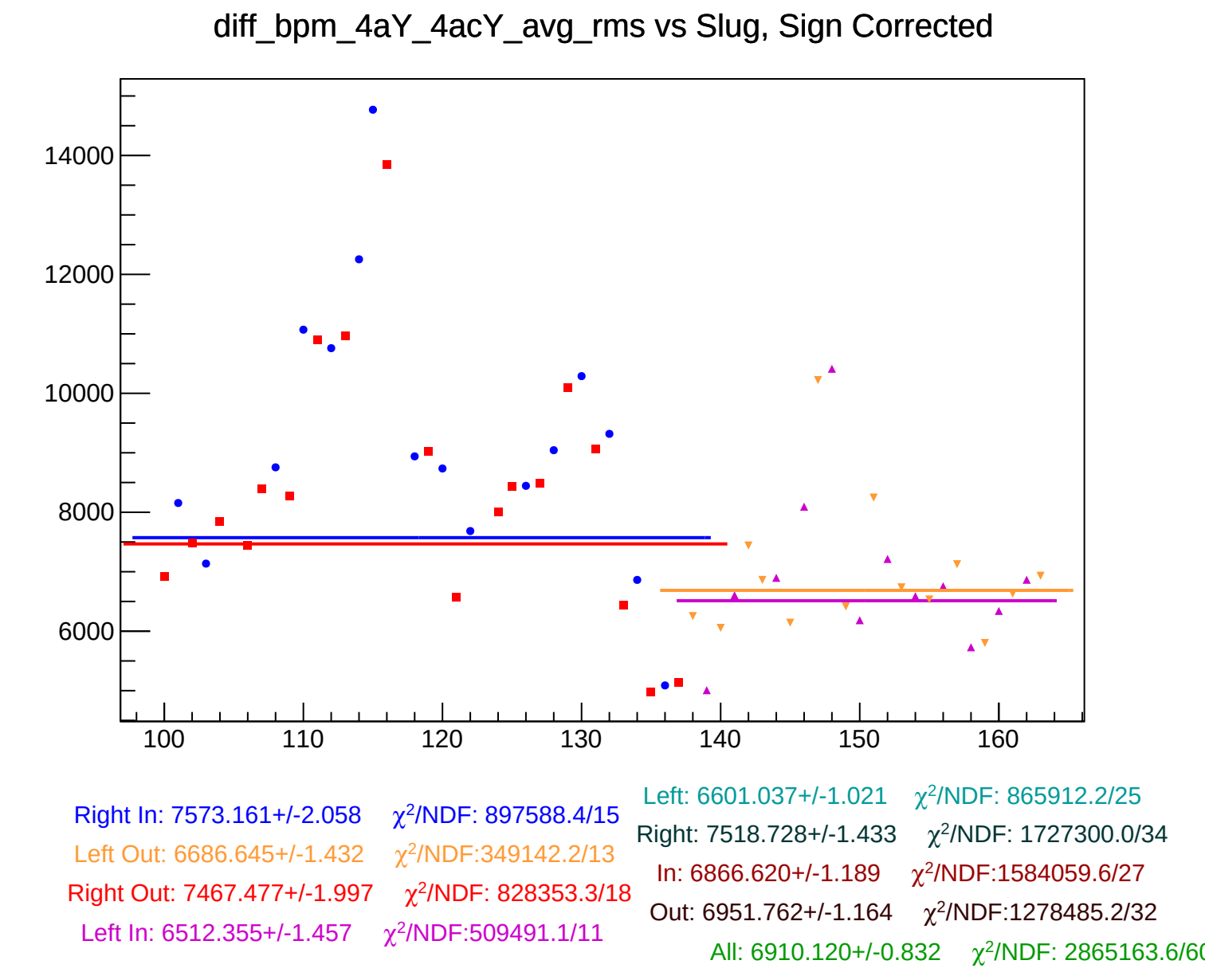
Left: 1.577+/-1.444 χ^2/NDF: 33.9/25

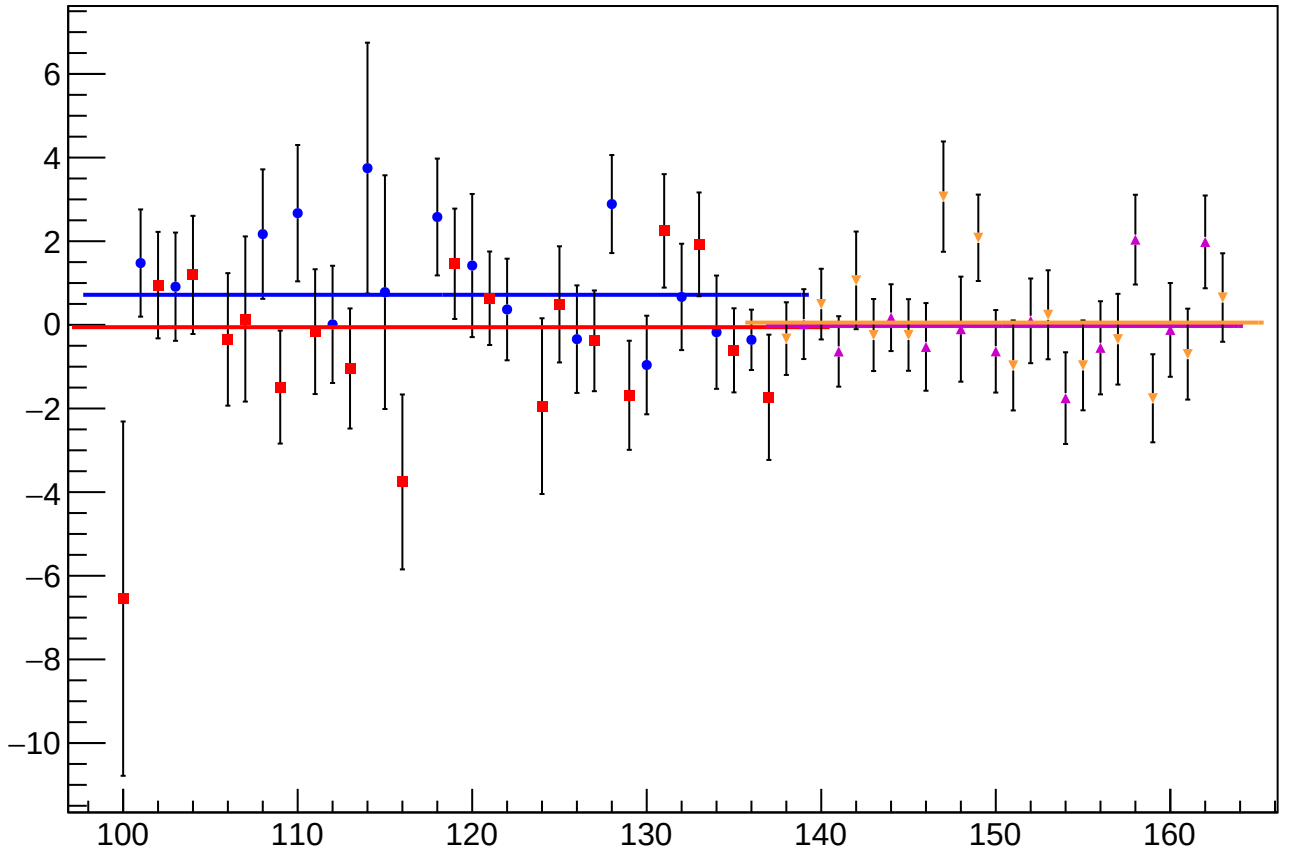
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -1.882+/-1.682 χ^2/NDF:27.5/27

Out: 1.228+/-1.646 χ^2/NDF:39.2/32

All: -0.293+/-1.176 χ^2/NDF: 68.4/60


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6686.645+/-1.432 χ²/NDF:349142.2/13
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6512.355+/-1.457 χ²/NDF:509491.1/11
Left: 6601.037+/-1.021 χ²/NDF: 865912.2/25
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6866.620+/-1.189 χ²/NDF:1584059.6/27
Out: 6951.762+/-1.164 χ²/NDF:1278485.2/32
All: 6910.120+/-0.832 χ²/NDF: 2865163.6/60



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.054+/-0.269 χ^2/NDF:16.3/13

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.026+/-0.288 χ^2/NDF:10.9/11

Left: 0.017+/-0.197 χ^2/NDF: 27.2/25

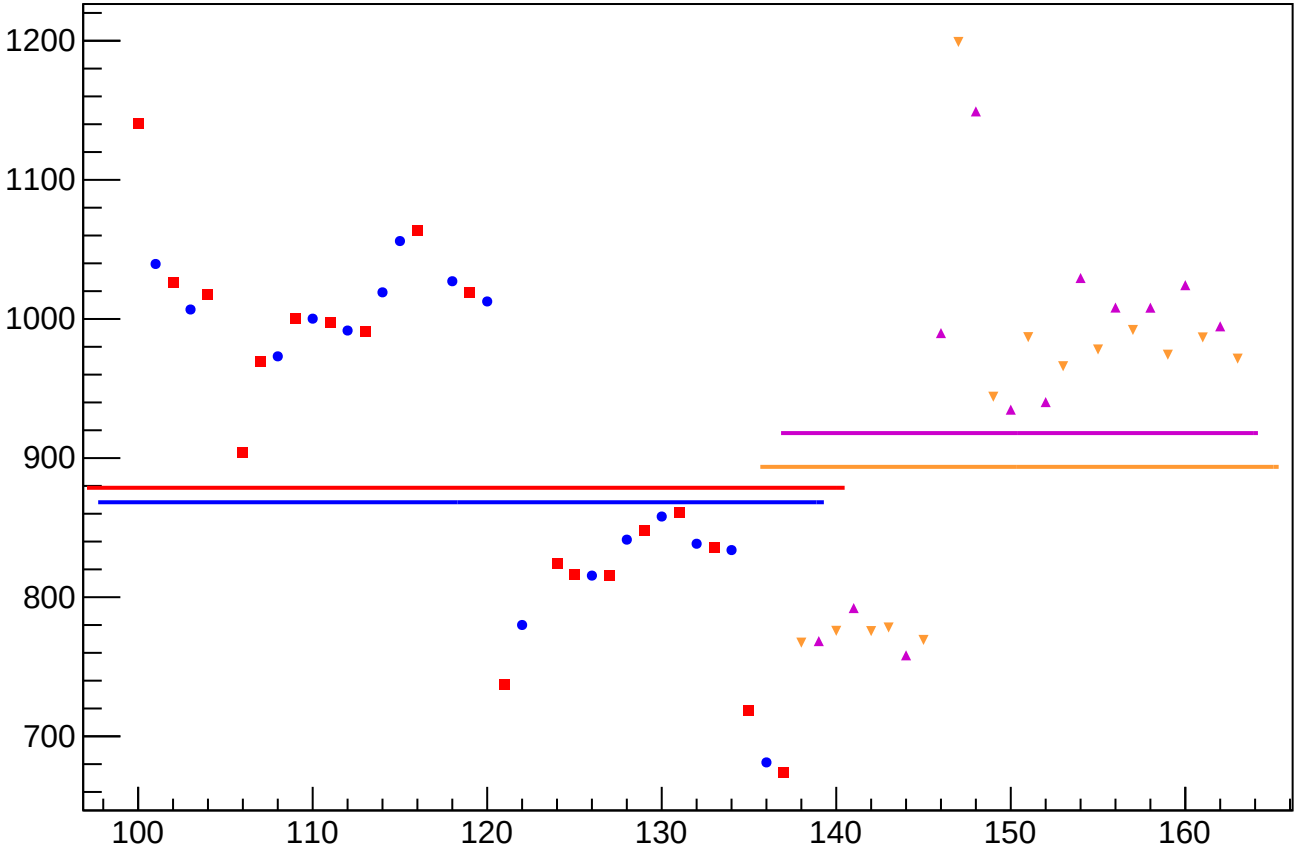
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.300+/-0.216 χ^2/NDF:28.6/27

Out: 0.009+/-0.207 χ^2/NDF:36.1/32

All: 0.149+/-0.149 χ^2/NDF: 65.7/60

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 893.699+/-0.190 χ^2/NDF:382110.7/13

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 917.974+/-0.204 χ^2/NDF:342972.5/11

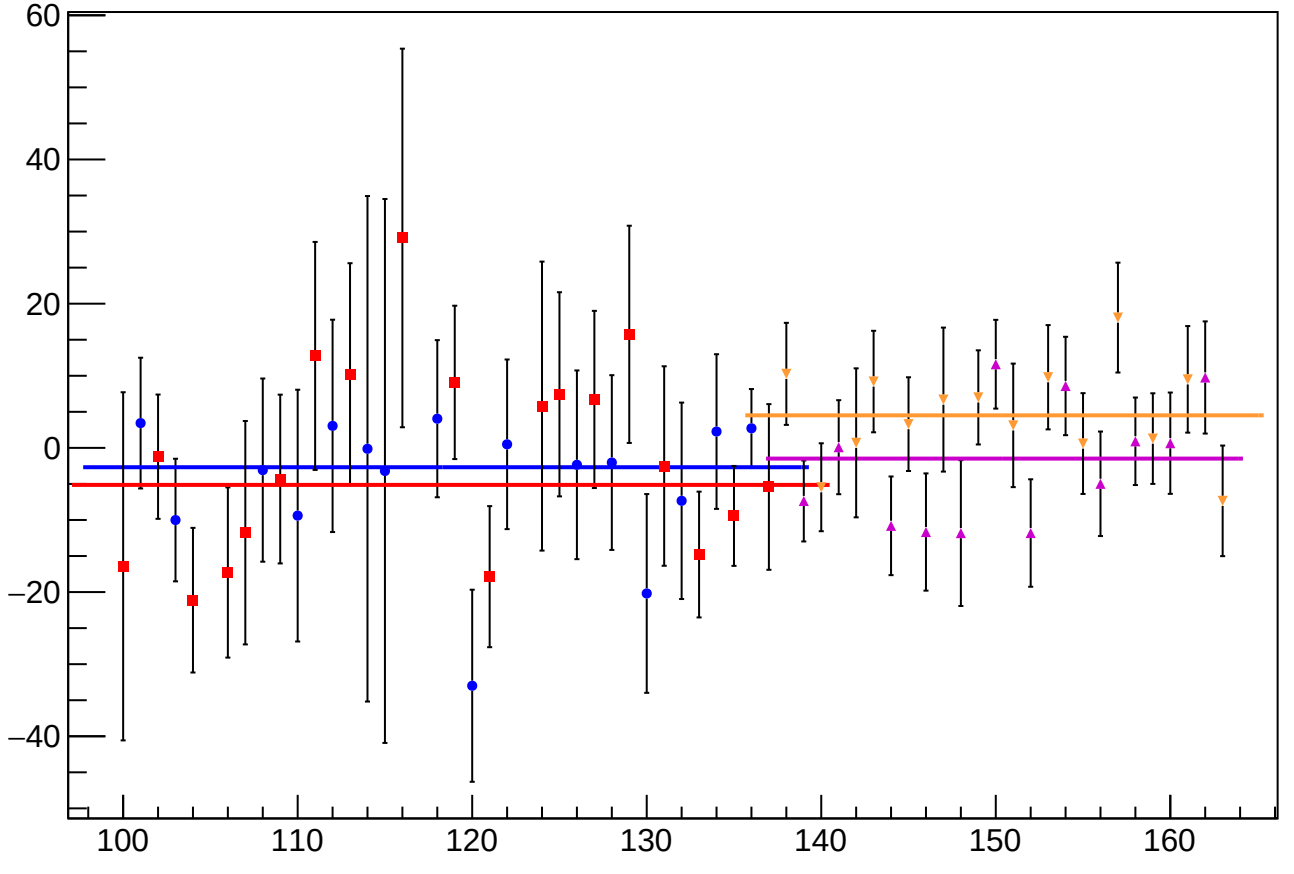
Left: 905.032+/-0.139 χ^2/NDF: 732668.6/25

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 896.189+/-0.153 χ^2/NDF:671535.2/27

Out: 887.539+/-0.146 χ^2/NDF:657196.4/32

All: 891.684+/-0.106 χ^2/NDF: 1330406.3/60



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.514+/-1.944 χ^2/NDF:11.3/13

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -1.487+/-1.999 χ^2/NDF:16.8/11

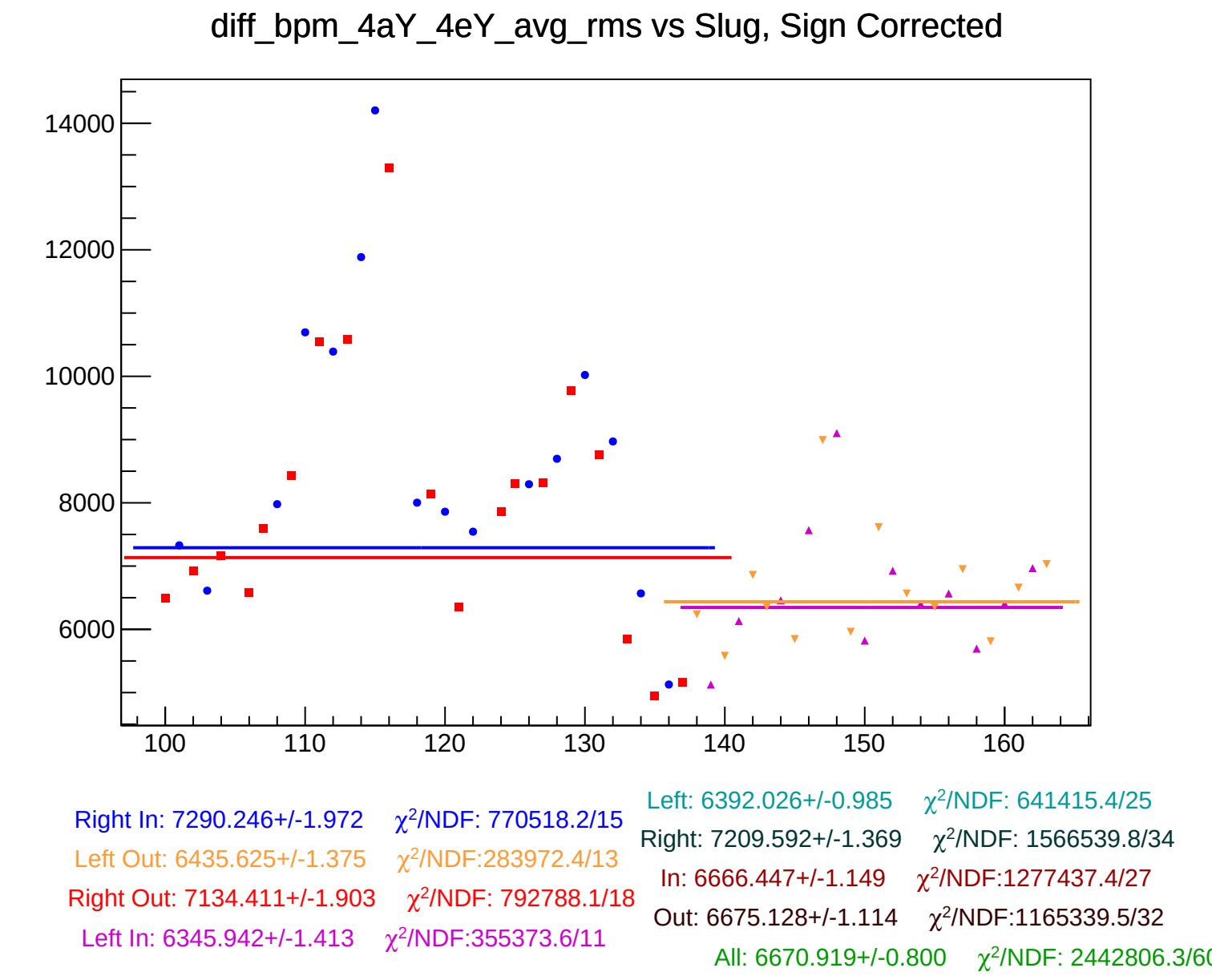
Left: 1.597+/-1.393 χ^2/NDF: 32.7/25

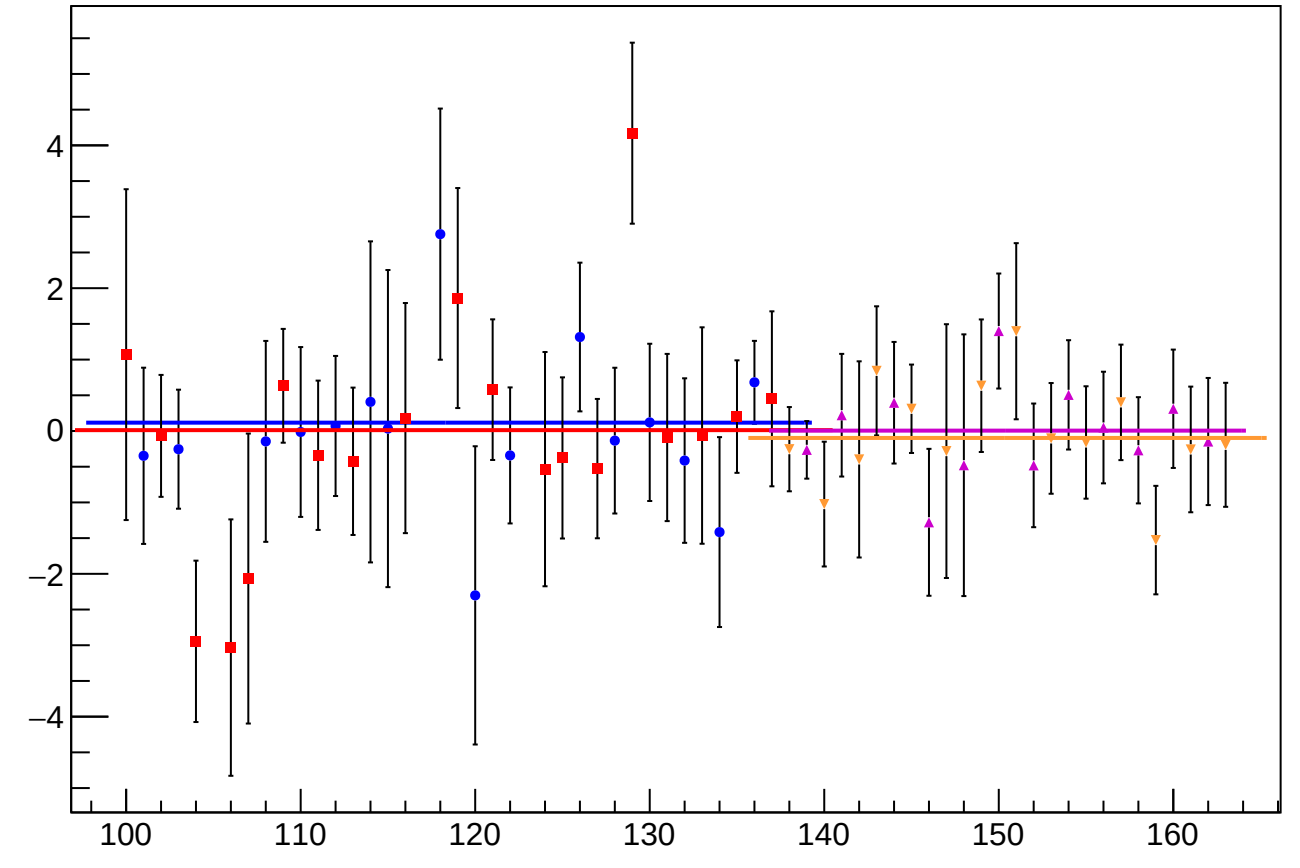
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -1.893+/-1.624 χ^2/NDF:27.0/27

Out: 1.207+/-1.576 χ^2/NDF:37.0/32

All: -0.296+/-1.131 χ^2/NDF: 65.9/60


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6435.625+/-1.375 χ²/NDF:283972.4/13
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6345.942+/-1.413 χ²/NDF:355373.6/11
Left: 6392.026+/-0.985 χ²/NDF: 641415.4/25
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6666.447+/-1.149 χ²/NDF:1277437.4/27
Out: 6675.128+/-1.114 χ²/NDF:1165339.5/32
All: 6670.919+/-0.800 χ²/NDF: 2442806.3/60



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.097+/-0.224 χ^2/NDF:8.8/13

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.005+/-0.219 χ^2/NDF:6.4/11

Left: -0.045+/-0.157 χ^2/NDF: 15.3/25

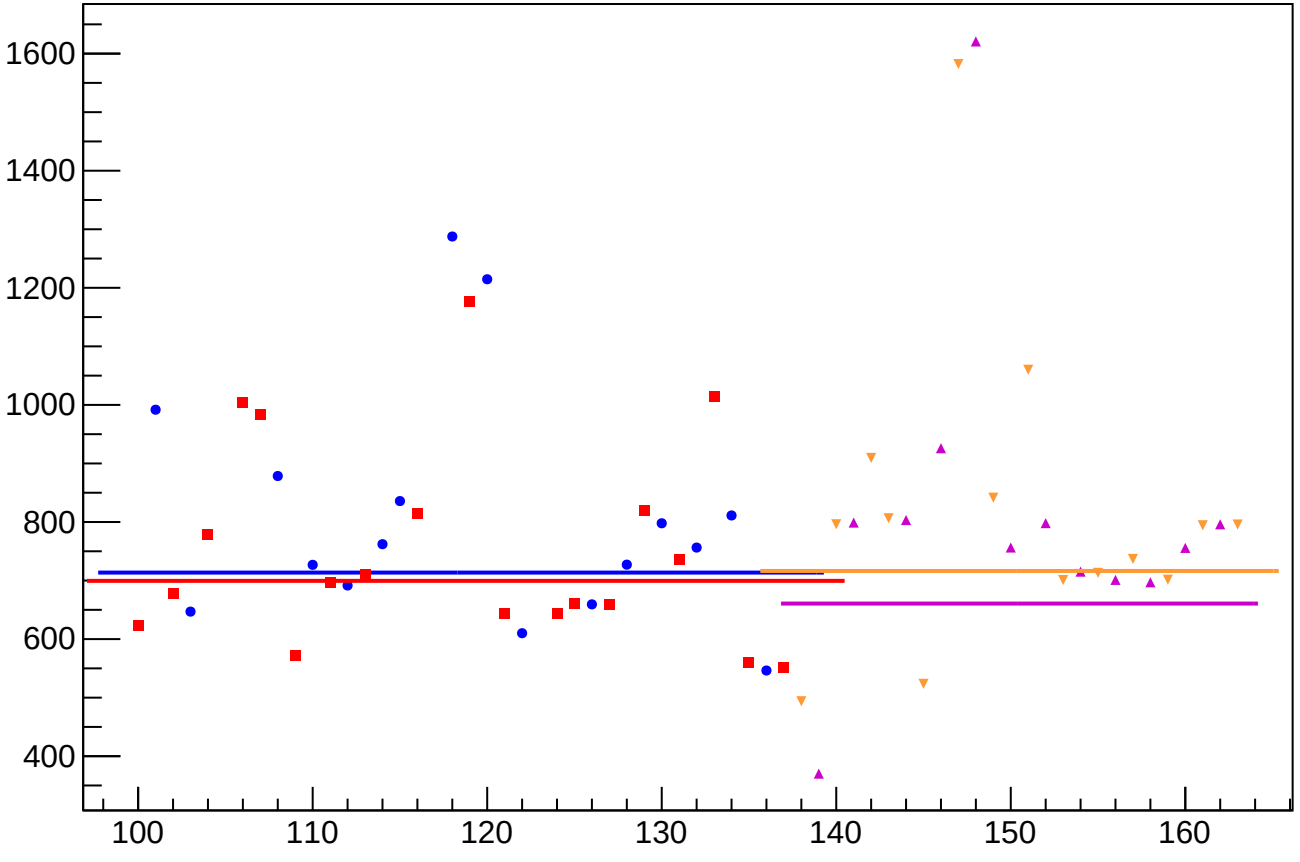
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.049+/-0.171 χ^2/NDF:14.6/27

Out: -0.051+/-0.171 χ^2/NDF:34.1/32

All: -0.001+/-0.121 χ^2/NDF: 48.9/60

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 716.398+/-0.159 χ^2/NDF:1256462.1/13

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 660.703+/-0.155 χ^2/NDF:1999357.0/11

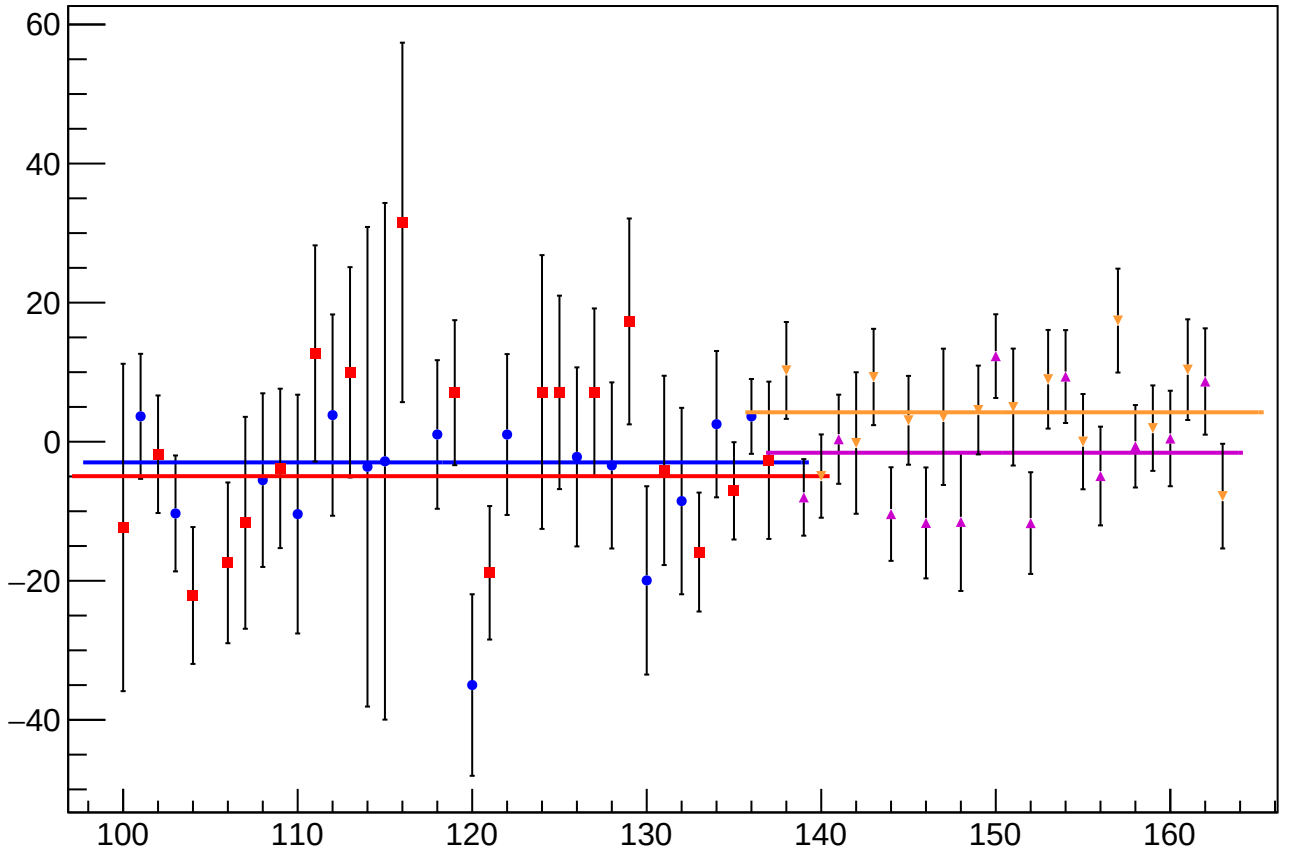
Left: 687.846+/-0.111 χ^2/NDF: 3318923.9/25

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 681.397+/-0.121 χ^2/NDF:2744380.8/27

Out: 709.283+/-0.121 χ^2/NDF:1836992.4/32

All: 695.341+/-0.085 χ^2/NDF: 4608025.0/60



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.230+/-1.907 χ^2/NDF:11.2/13

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -1.586+/-1.959 χ^2/NDF:17.8/11

Left: 1.400+/-1.366 χ^2/NDF: 33.6/25

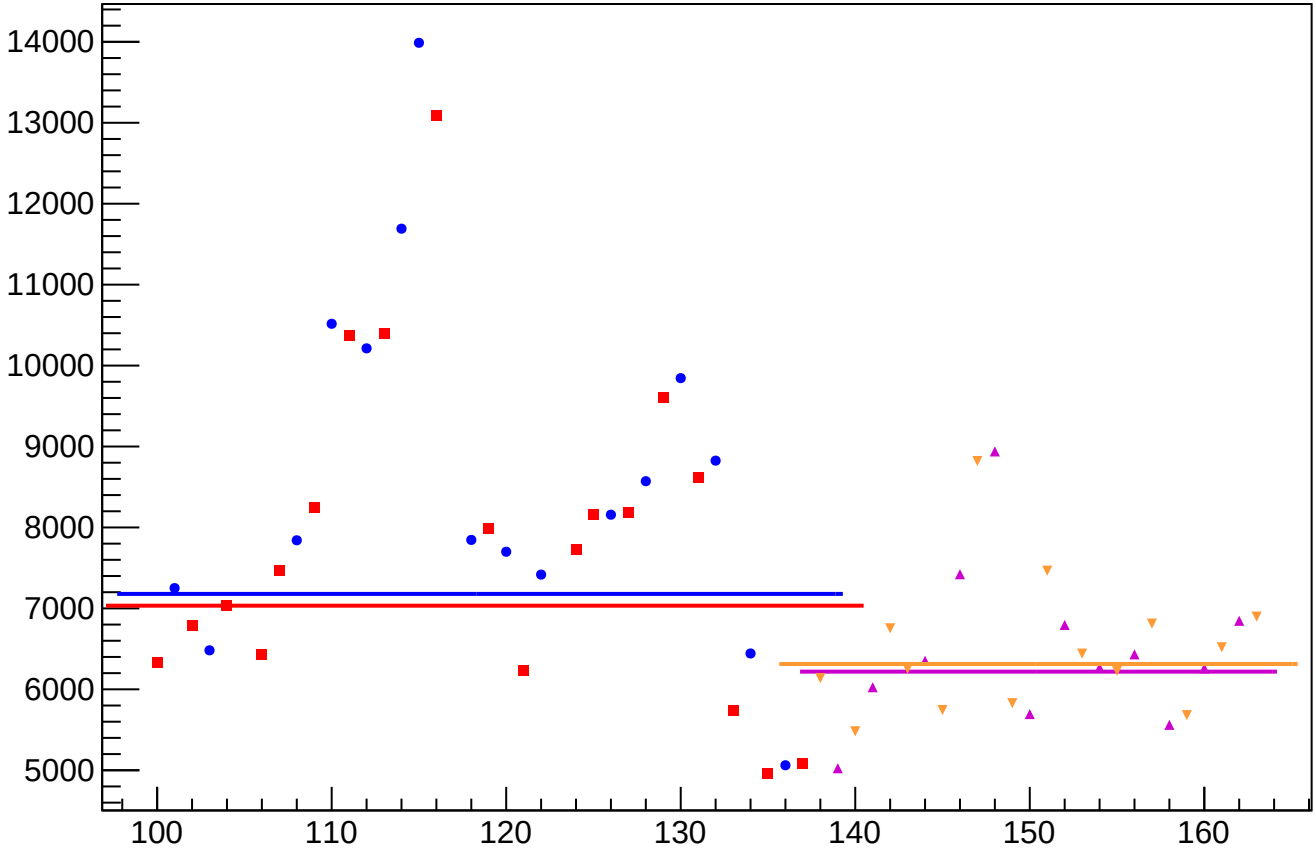
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -2.054+/-1.595 χ^2/NDF:29.6/27

Out: 1.101+/-1.549 χ^2/NDF:37.6/32

All: -0.430+/-1.111 χ^2/NDF: 69.2/60

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6313.108+/-1.349 χ^2/NDF:284361.3/13

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6218.272+/-1.385 χ^2/NDF:359935.2/11

Left: 6266.957+/-0.966 χ^2/NDF: 646703.1/25

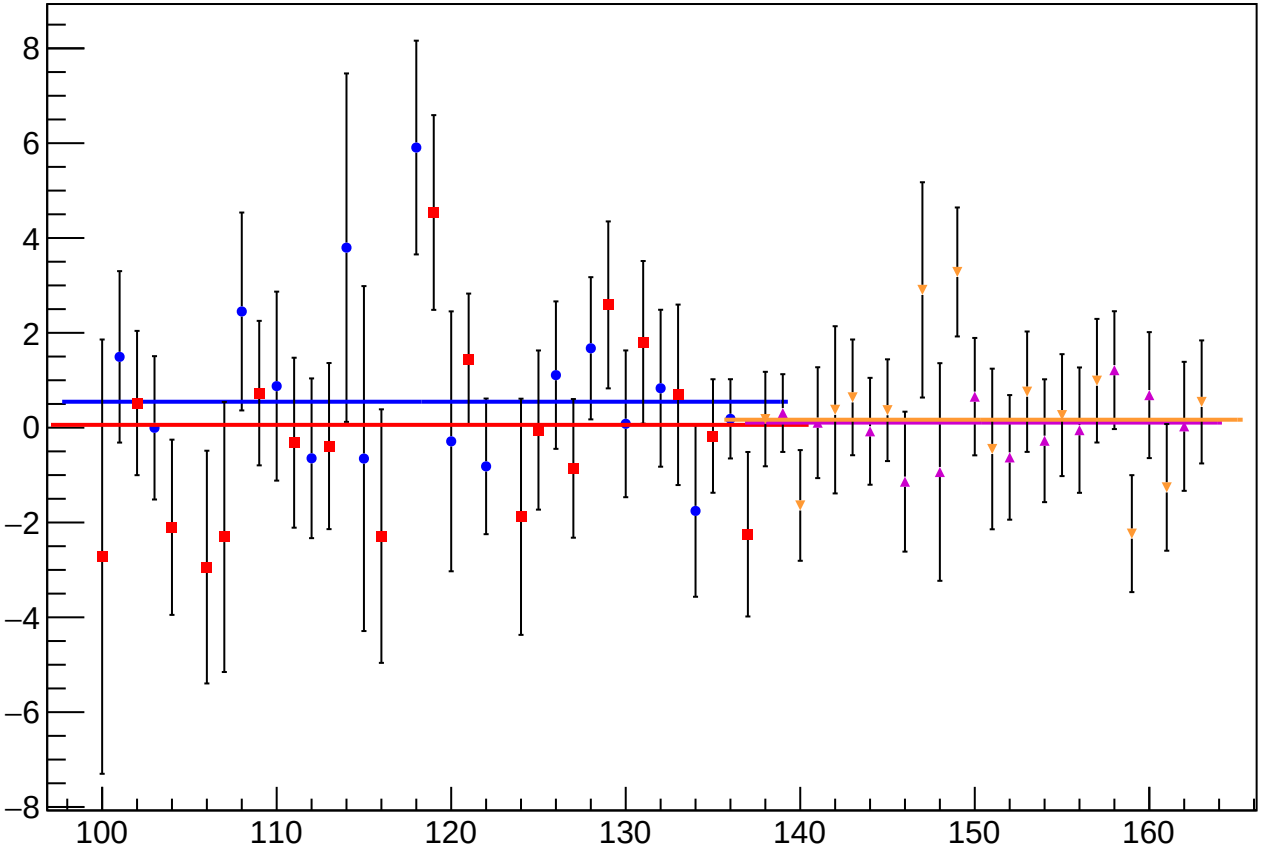
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6542.244+/-1.128 χ^2/NDF:1284090.3/27

Out: 6558.547+/-1.095 χ^2/NDF:1147973.5/32

All: 6550.635+/-0.786 χ^2/NDF: 2432171.3/60

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.168+/-0.347 χ^2/NDF:15.1/13

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.107+/-0.358 χ^2/NDF:2.6/11

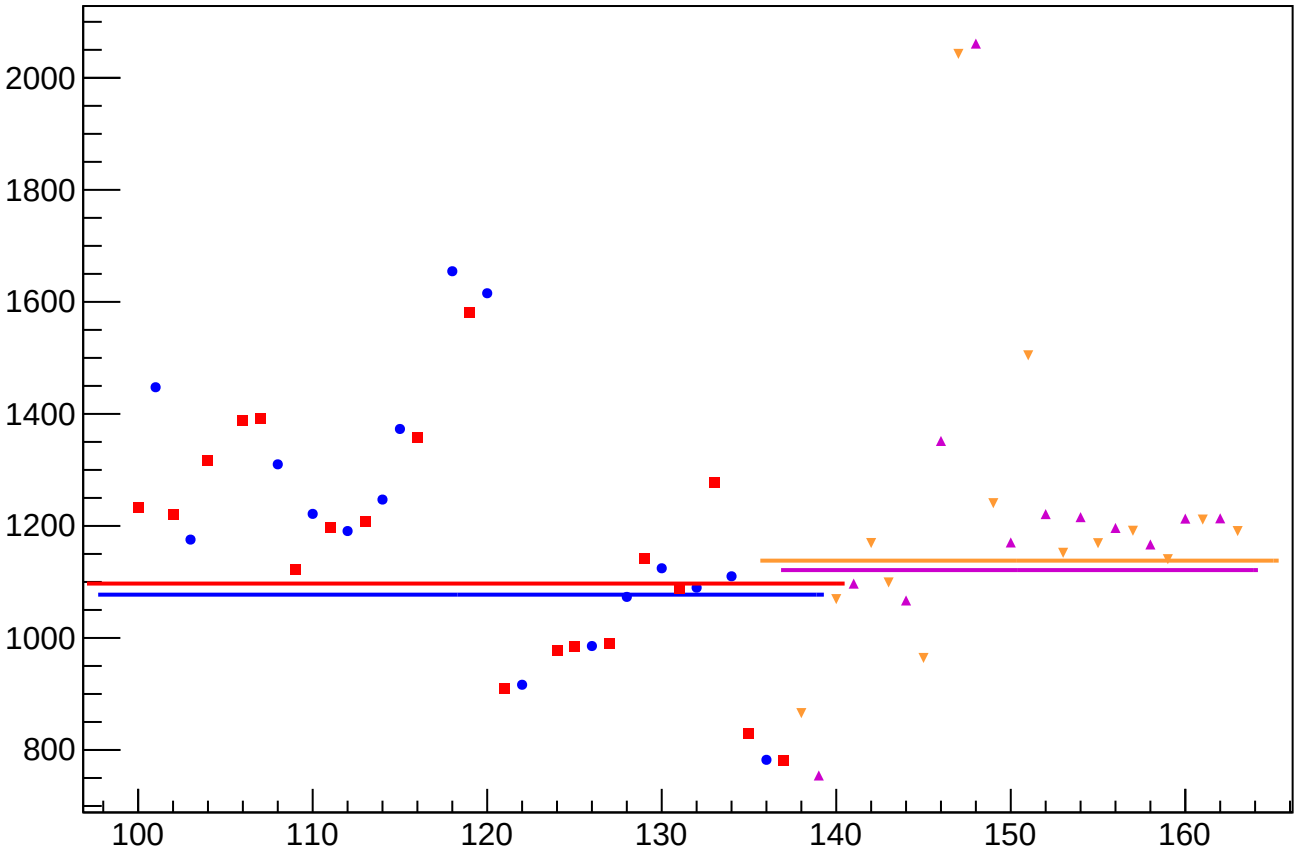
Left: 0.138+/-0.249 χ^2/NDF: 17.7/25

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.297+/-0.270 χ^2/NDF:15.2/27

Out: 0.122+/-0.264 χ^2/NDF:32.0/32

All: 0.208+/-0.189 χ^2/NDF: 47.4/60



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1138.041+/-0.245 χ^2/NDF:648175.1/13

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1121.160+/-0.253 χ^2/NDF:843135.0/11

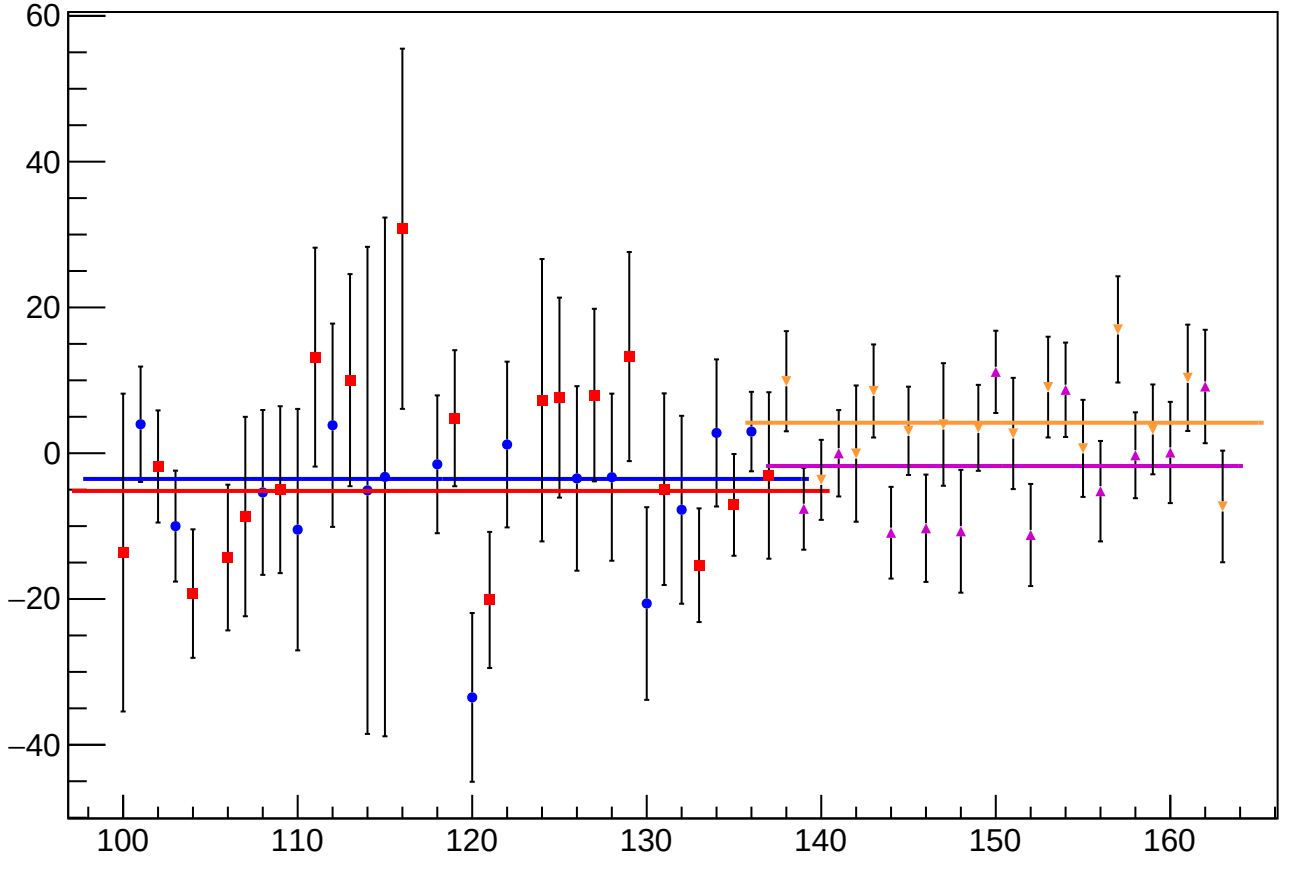
Left: 1129.864+/-0.176 χ^2/NDF: 1493604.7/25

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1102.243+/-0.191 χ^2/NDF:1502613.0/27

Out: 1120.909+/-0.187 χ^2/NDF:1144202.8/32

All: 1111.763+/-0.134 χ^2/NDF: 2651696.1/60



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 4.183+/-1.819 χ^2/NDF:10.3/13

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -1.755+/-1.887 χ^2/NDF:17.8/11

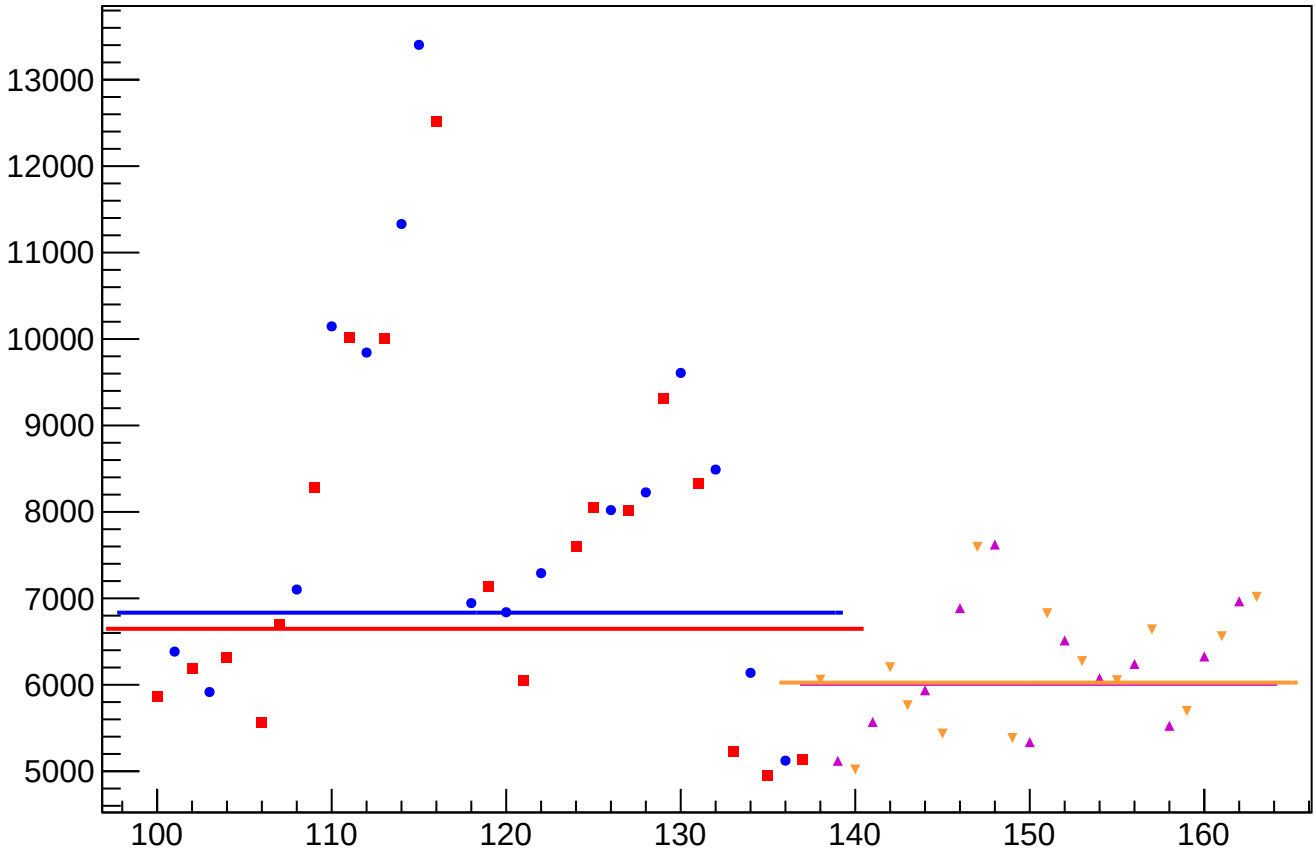
Left: 1.323+/-1.310 χ^2/NDF: 33.3/25

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -2.364+/-1.529 χ^2/NDF:30.7/27

Out: 0.957+/-1.472 χ^2/NDF:37.7/32

All: -0.641+/-1.061 χ^2/NDF: 70.8/60



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6025.556+/-1.286 χ^2/NDF:272519.7/13

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6011.194+/-1.334 χ^2/NDF:252199.5/11

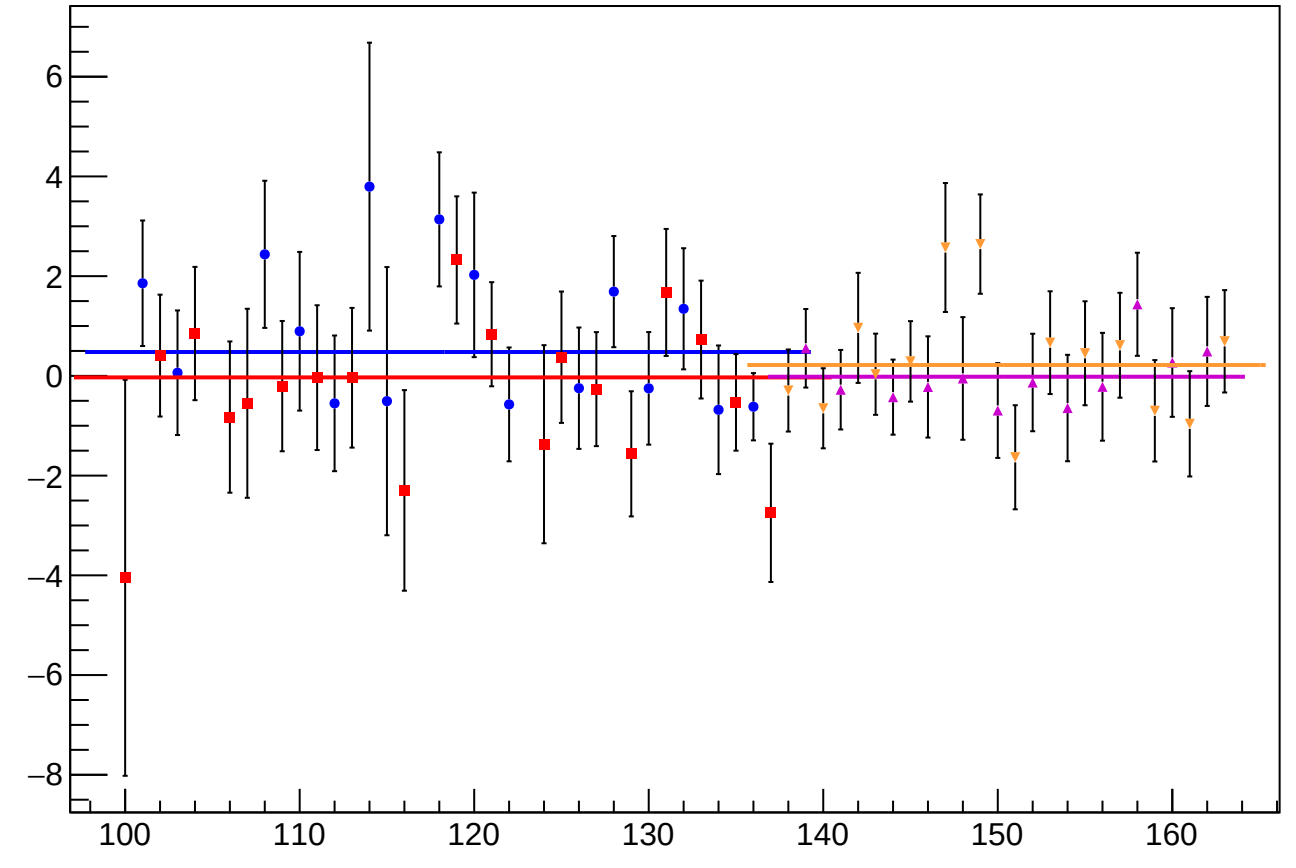
Left: 6018.639+/-0.926 χ^2/NDF: 524779.2/25

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6294.062+/-1.081 χ^2/NDF:1075679.4/27

Out: 6240.114+/-1.041 χ^2/NDF:1138350.0/32

All: 6266.074+/-0.750 χ^2/NDF: 2215321.3/60



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.218+/-0.258 χ^2/NDF:17.1/13

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.017+/-0.277 χ^2/NDF:4.1/11

Left: 0.108+/-0.189 χ^2/NDF: 21.6/25

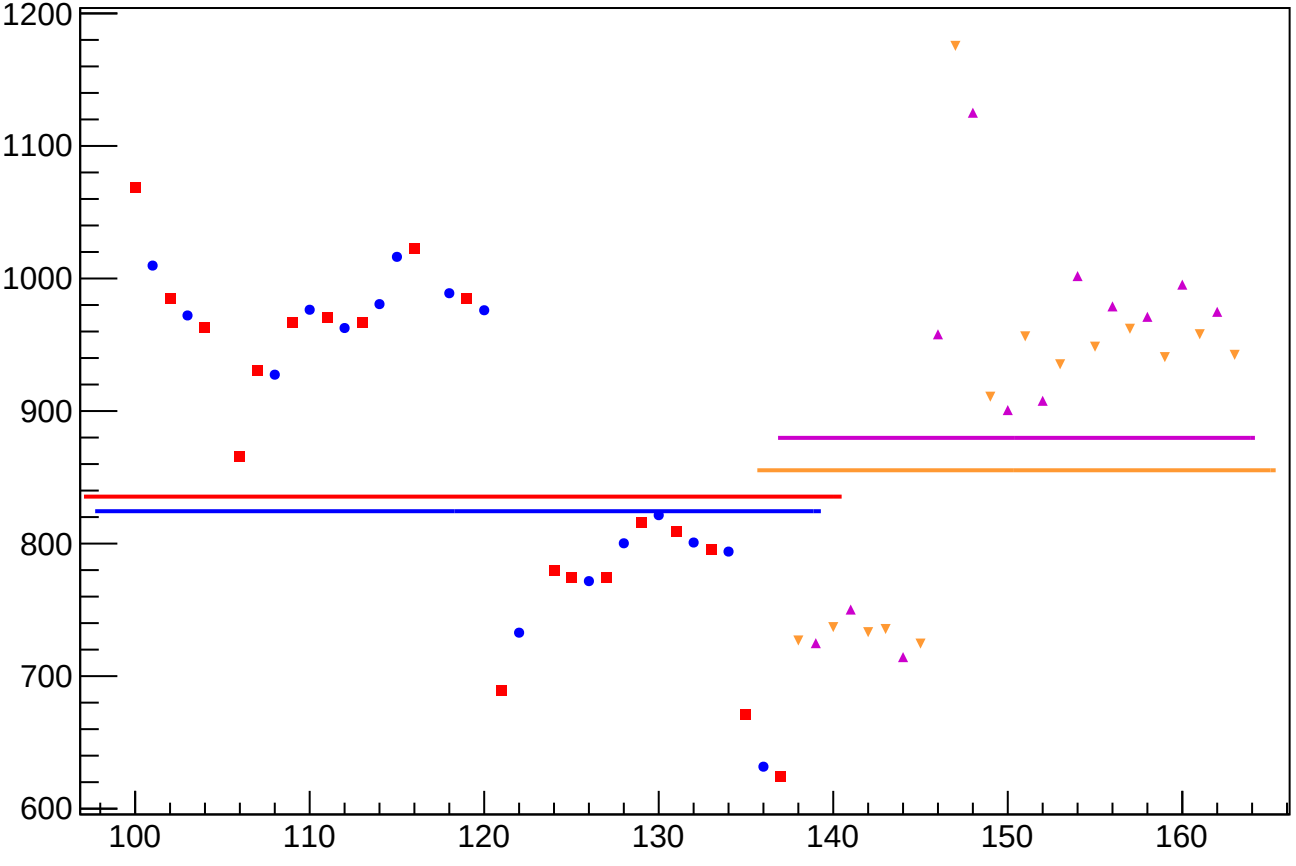
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.202+/-0.207 χ^2/NDF:22.3/27

Out: 0.116+/-0.198 χ^2/NDF:33.2/32

All: 0.157+/-0.143 χ^2/NDF: 55.6/60

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 855.312+/-0.183 χ^2/NDF:456078.4/13

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 879.764+/-0.196 χ^2/NDF:416921.1/11

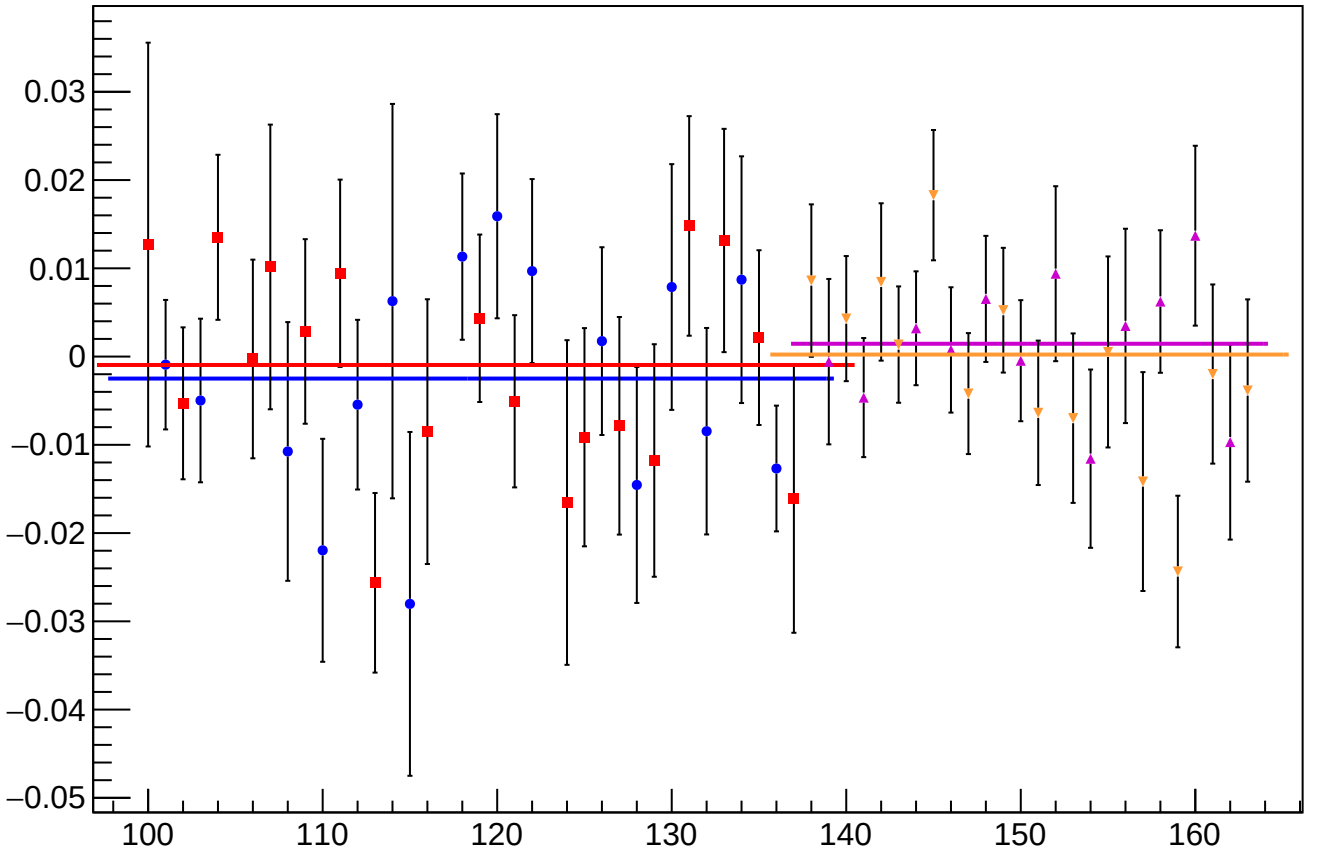
Left: 866.704+/-0.133 χ^2/NDF: 881353.3/25

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 855.317+/-0.146 χ^2/NDF:817769.0/27

Out: 847.125+/-0.140 χ^2/NDF:780260.8/32

All: 851.048+/-0.101 χ^2/NDF: 1599668.9/60



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.000+/-0.002 χ^2/NDF:20.0/13

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:6.7/11

Left: 0.001+/-0.002 χ^2/NDF: 26.8/25

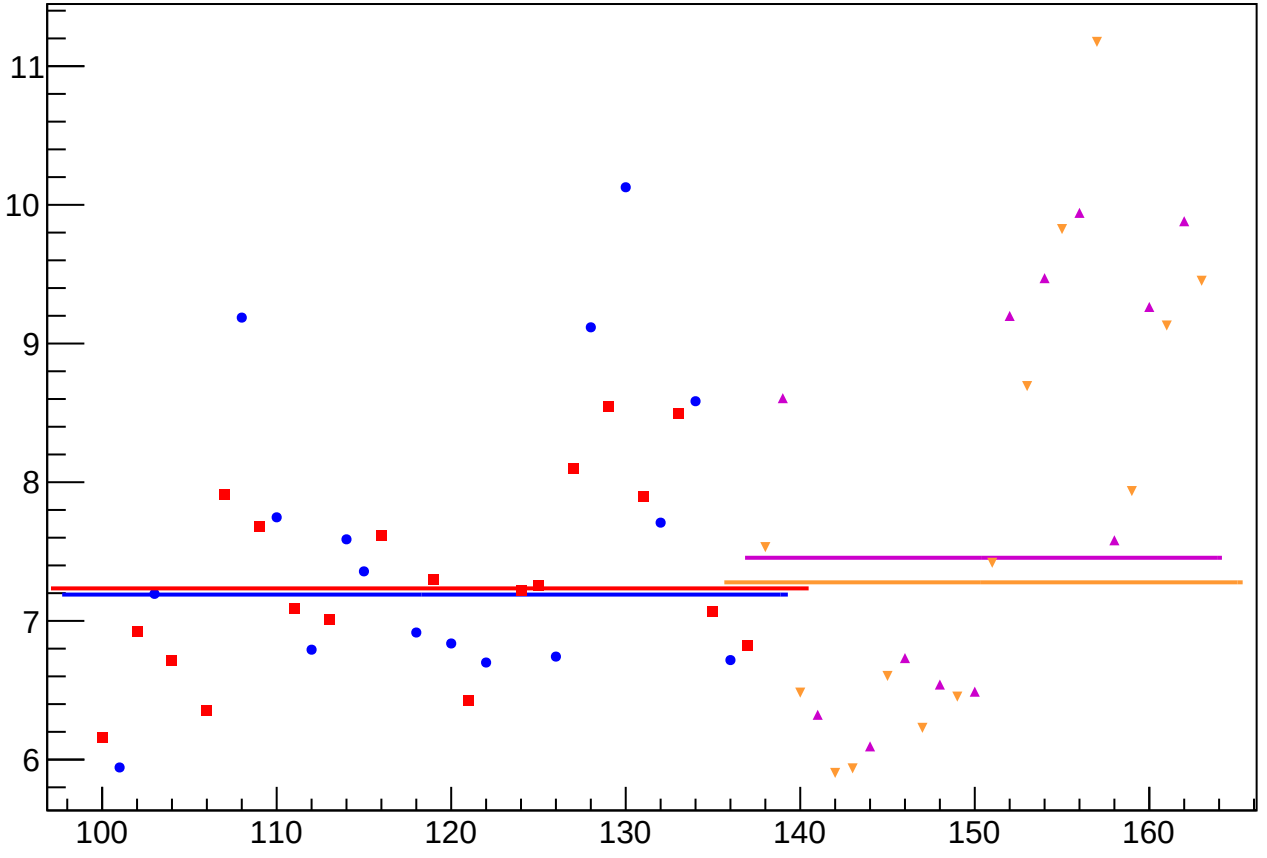
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:23.2/27

Out: -0.000+/-0.002 χ^2/NDF:37.4/32

All: -0.000+/-0.001 χ^2/NDF: 60.6/60

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.278+/-0.002 χ^2/NDF:767362.4/13

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.455+/-0.002 χ^2/NDF:671923.2/11

Left: 7.361+/-0.001 χ^2/NDF: 1445250.2/25

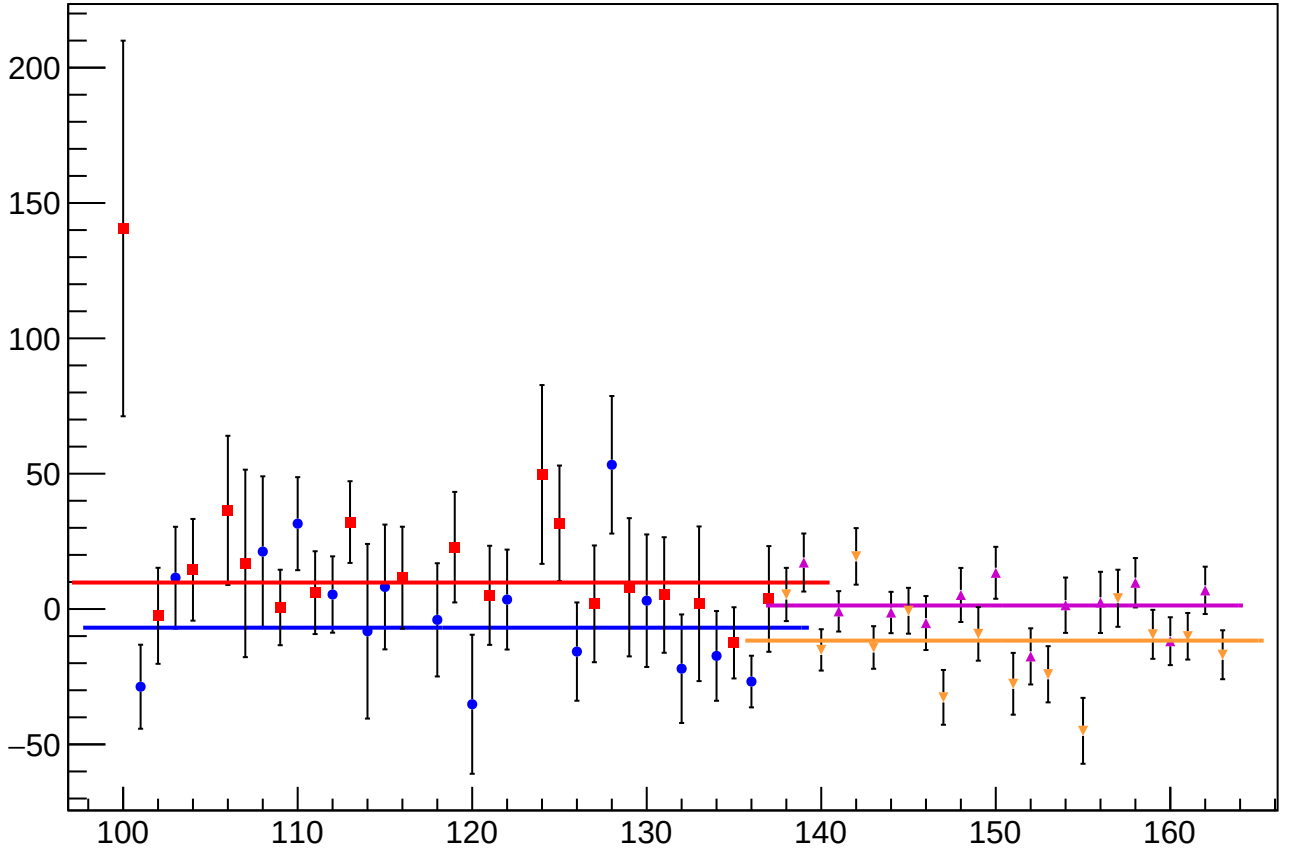
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.341+/-0.001 χ^2/NDF:960479.1/27

Out: 7.260+/-0.001 χ^2/NDF:873945.9/32

All: 7.299+/-0.001 χ^2/NDF: 1836560.0/60

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -11.661+/-2.521 χ^2/NDF:31.7/13

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.315+/-2.679 χ^2/NDF:11.3/11

Left: -5.568+/-1.836 χ^2/NDF: 55.5/25

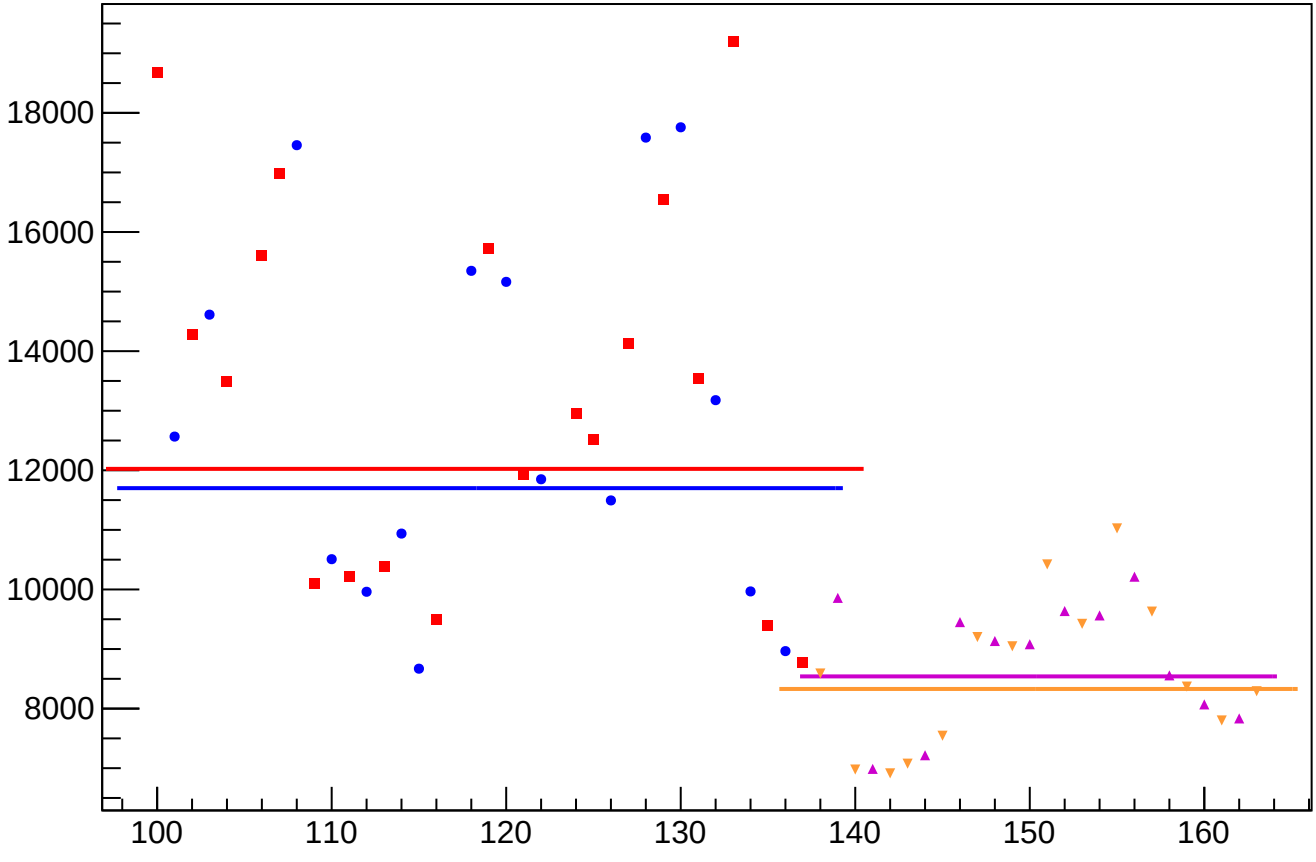
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -0.841+/-2.300 χ^2/NDF:36.8/27

Out: -6.567+/-2.201 χ^2/NDF:62.9/32

All: -3.830+/-1.590 χ^2/NDF: 103.0/60

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8329.803+/-1.783 χ^2/NDF:419468.2/13

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8540.612+/-1.894 χ^2/NDF:311853.7/11

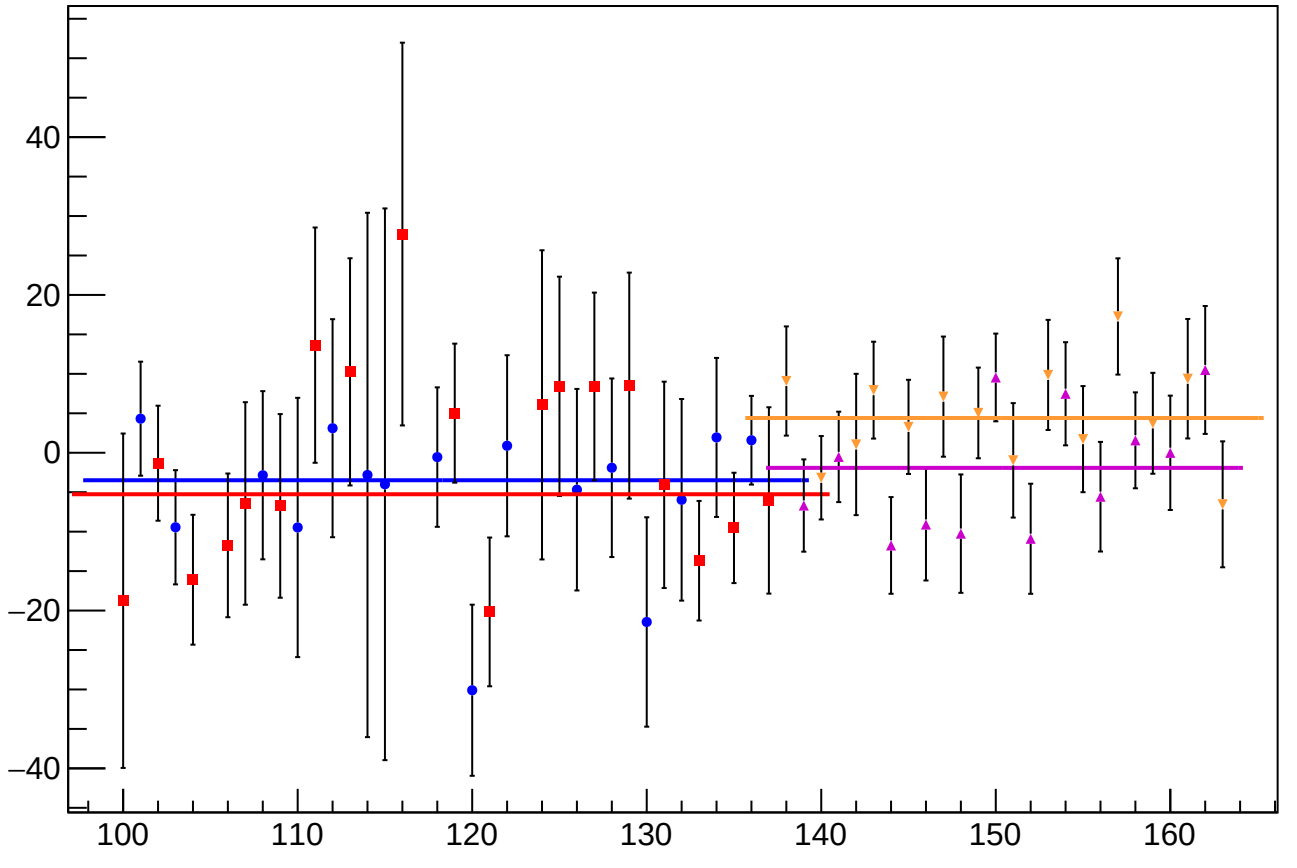
Left: 8428.799+/-1.298 χ^2/NDF: 737890.1/25

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9370.721+/-1.627 χ^2/NDF:1782982.5/27

Out: 9207.081+/-1.557 χ^2/NDF:2124317.1/32

All: 9285.299+/-1.125 χ^2/NDF: 3912582.5/60



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 4.404+/-1.799 χ^2/NDF:9.8/13

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -1.916+/-1.882 χ^2/NDF:16.5/11

Left: 1.387+/-1.300 χ^2/NDF: 32.3/25

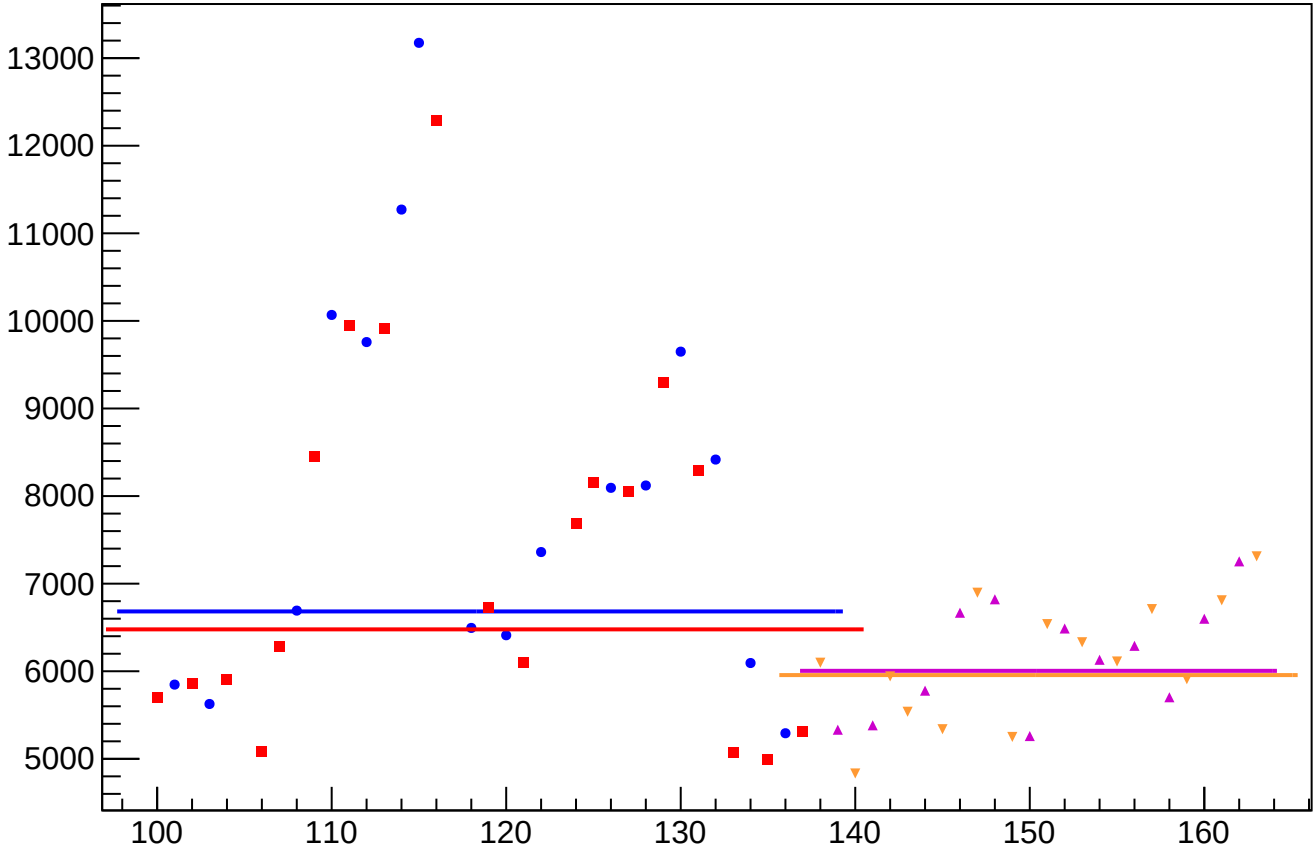
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -2.469+/-1.514 χ^2/NDF:28.3/27

Out: 1.012+/-1.449 χ^2/NDF:36.6/32

All: -0.652+/-1.047 χ^2/NDF: 67.6/60

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5956.220+/-1.272 χ^2/NDF:306463.2/13

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6004.830+/-1.331 χ^2/NDF:209486.0/11

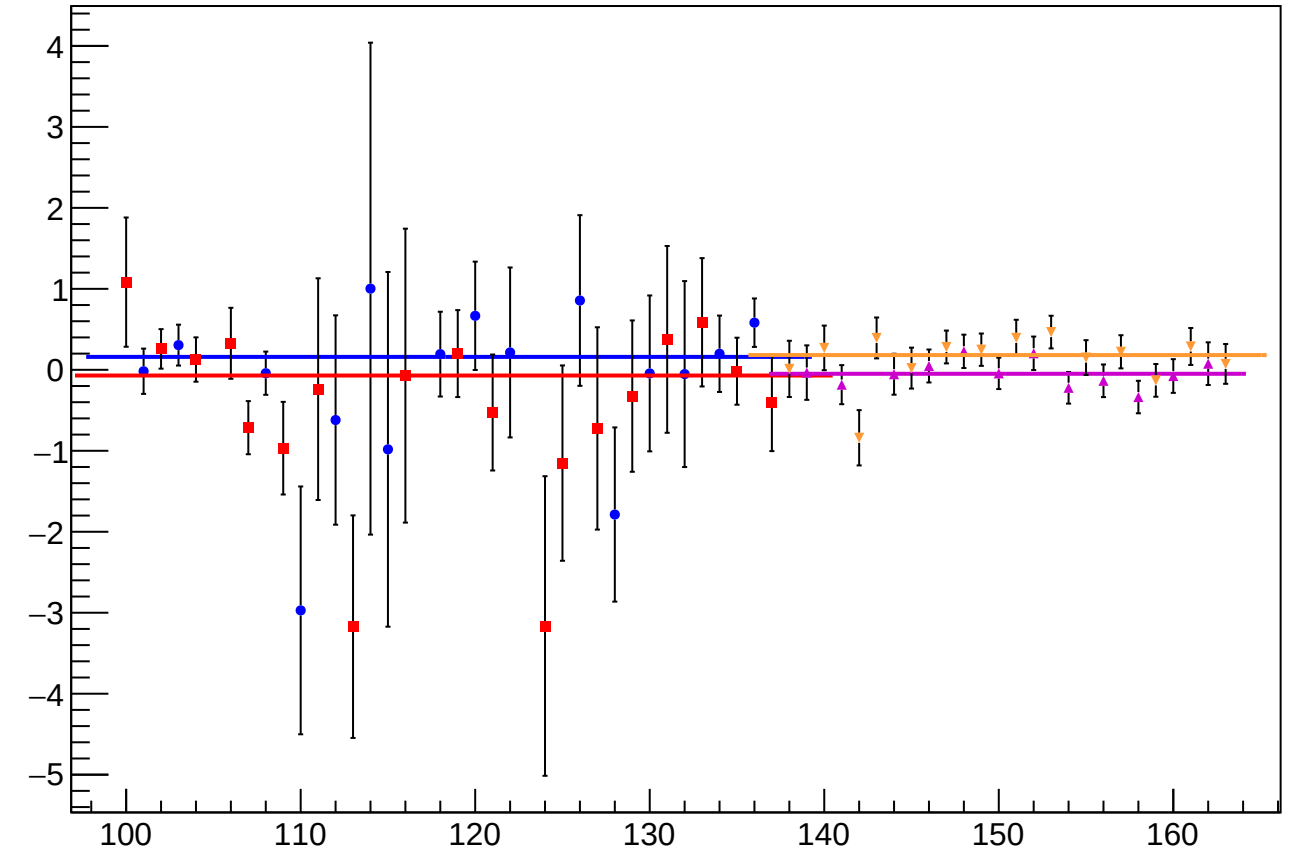
Left: 5979.429+/-0.920 χ^2/NDF: 516646.5/25

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6244.006+/-1.071 χ^2/NDF:993276.9/27

Out: 6139.399+/-1.025 χ^2/NDF:1204770.4/32

All: 6189.414+/-0.740 χ^2/NDF: 2203028.9/60



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.182+/-0.062 χ^2/NDF:16.5/13

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.049+/-0.063 χ^2/NDF:7.1/11

Left: 0.069+/-0.044 χ^2/NDF: 30.5/25

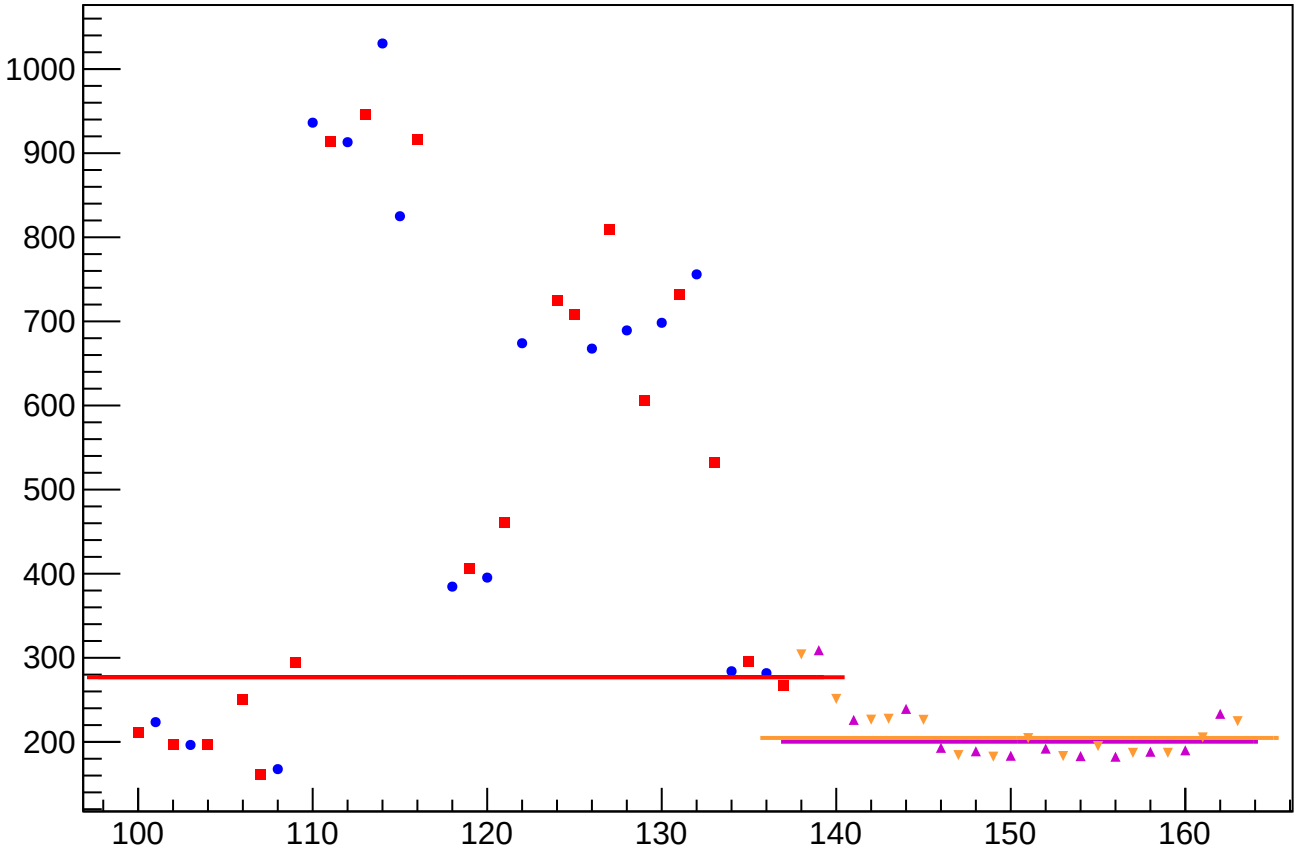
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.004+/-0.056 χ^2/NDF:22.1/27

Out: 0.129+/-0.055 χ^2/NDF:42.5/32

All: 0.063+/-0.039 χ^2/NDF: 67.4/60

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 204.720+/-0.044 χ^2/NDF:374949.1/13

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 200.248+/-0.044 χ^2/NDF:381141.6/11

Left: 202.522+/-0.031 χ^2/NDF: 761227.2/25

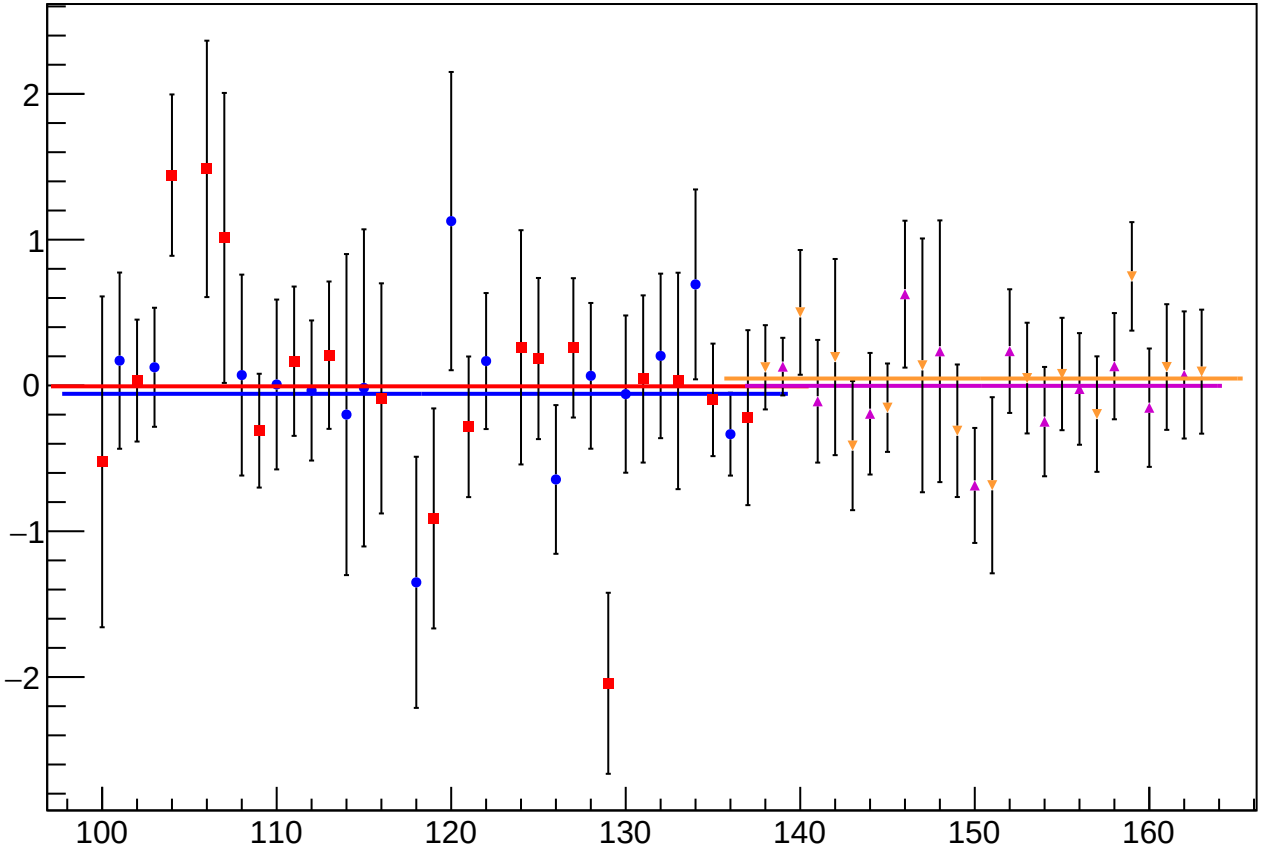
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 216.896+/-0.039 χ^2/NDF:4477204.7/27

Out: 219.930+/-0.039 χ^2/NDF:4519955.6/32

All: 218.433+/-0.028 χ^2/NDF: 9000166.9/60

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.048+/-0.110 χ^2/NDF:8.8/13

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.003+/-0.107 χ^2/NDF:6.4/11

Left: 0.022+/-0.077 χ^2/NDF: 15.3/25

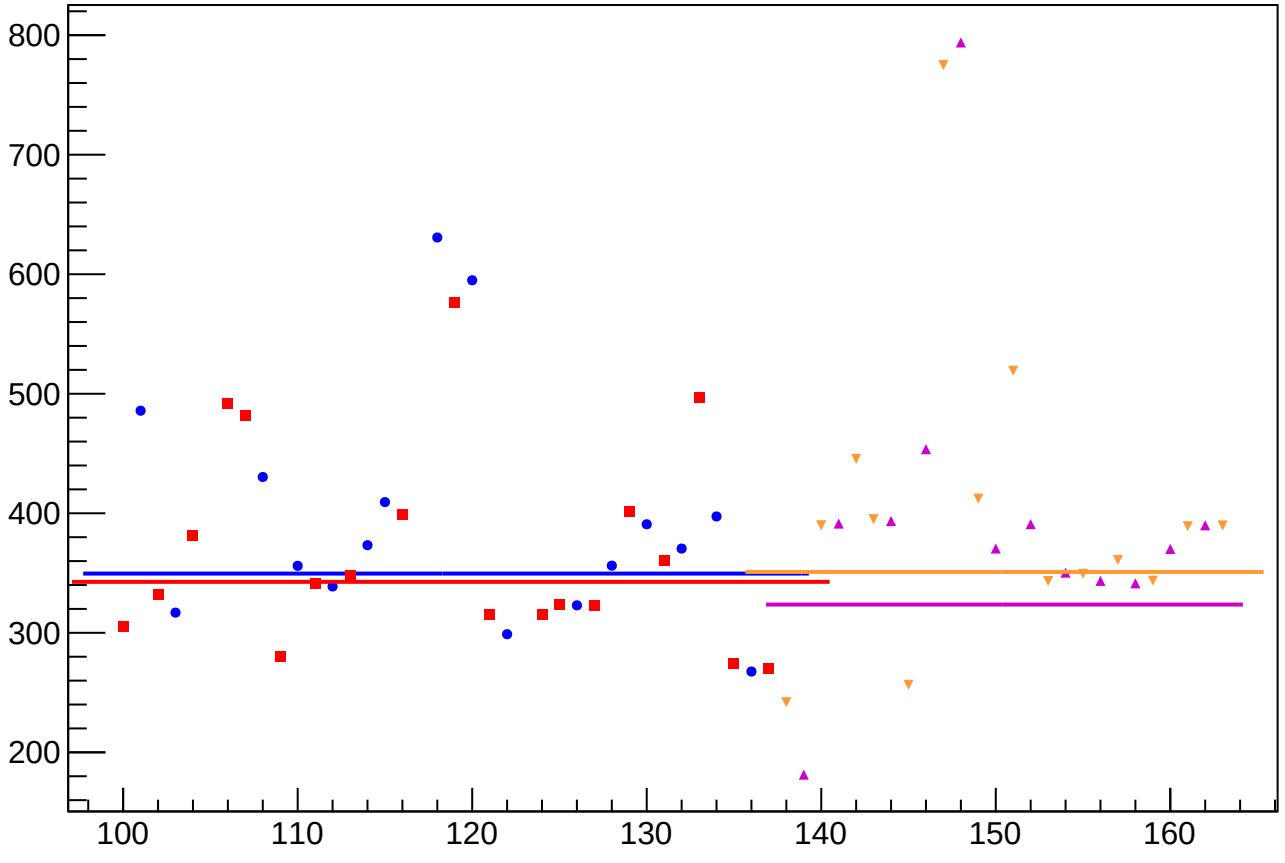
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.024+/-0.084 χ^2/NDF:14.6/27

Out: 0.025+/-0.084 χ^2/NDF:34.1/32

All: 0.001+/-0.059 χ^2/NDF: 48.9/60

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 350.917+/-0.078 χ^2/NDF:1256462.1/13

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 323.636+/-0.076 χ^2/NDF:1999357.0/11

Left: 336.931+/-0.054 χ^2/NDF: 3318923.9/25

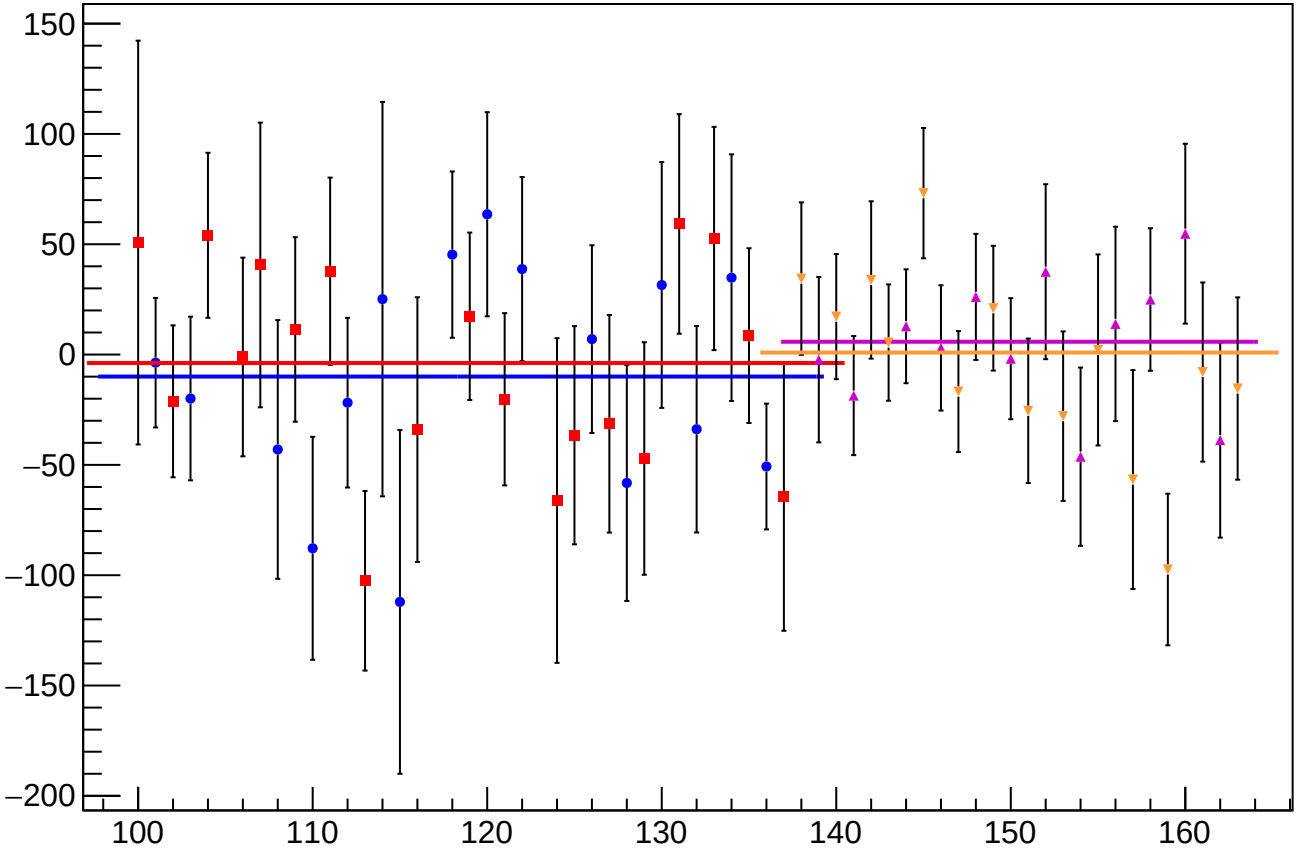
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 333.773+/-0.059 χ^2/NDF:2744380.8/27

Out: 347.432+/-0.059 χ^2/NDF:1836992.4/32

All: 340.603+/-0.042 χ^2/NDF: 4608025.0/60

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.807+/-9.443 χ^2/NDF:6.7/11

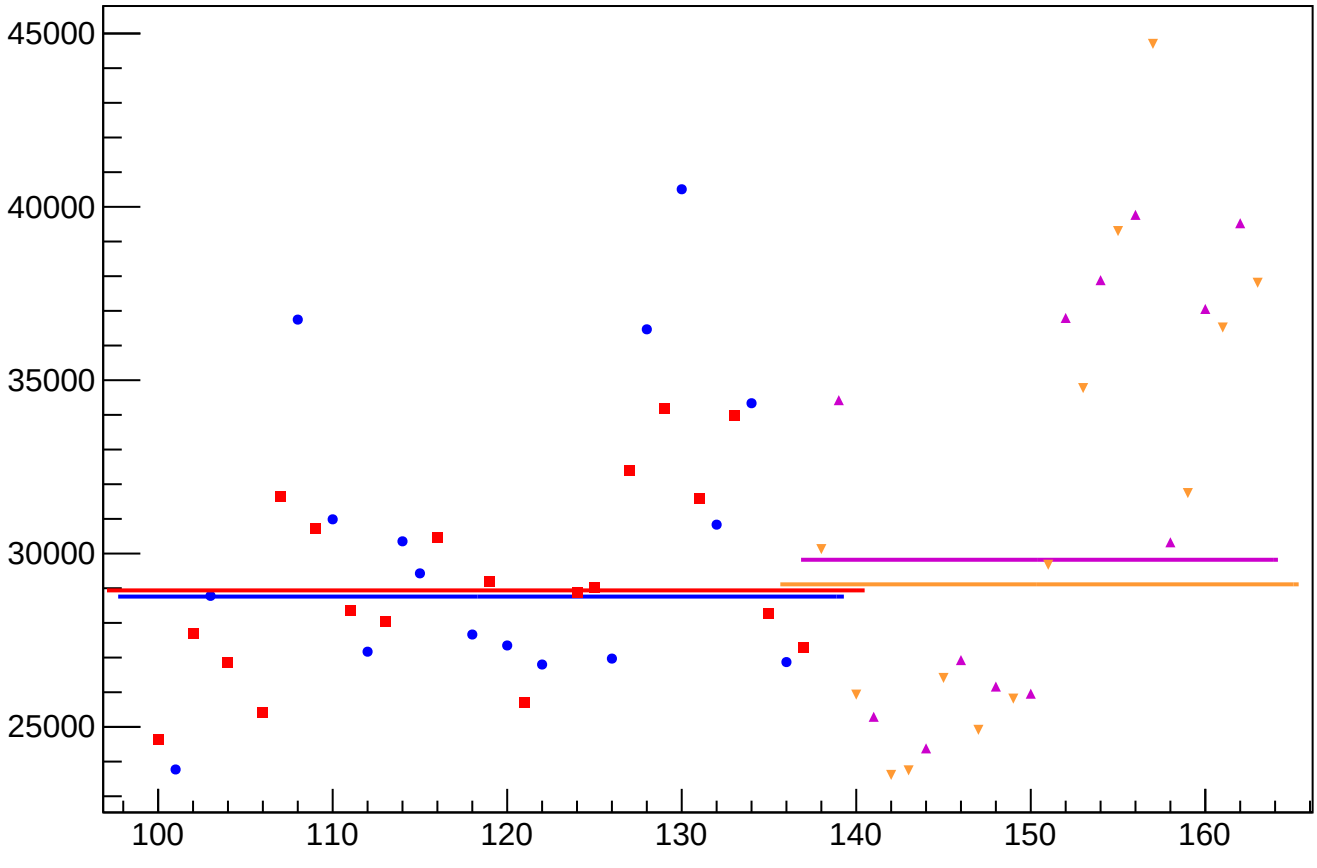
Left: 3.217+/-6.476 χ^2/NDF: 26.8/25

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.002+/-7.119 χ^2/NDF:23.2/27

Out: -1.032+/-6.825 χ^2/NDF:37.4/32

All: -1.017+/-4.927 χ^2/NDF: 60.6/60



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29820.971+/-6.677 χ^2/NDF:671923.2/11

Left: 29445.685+/-4.580 χ^2/NDF: 1445250.2/25

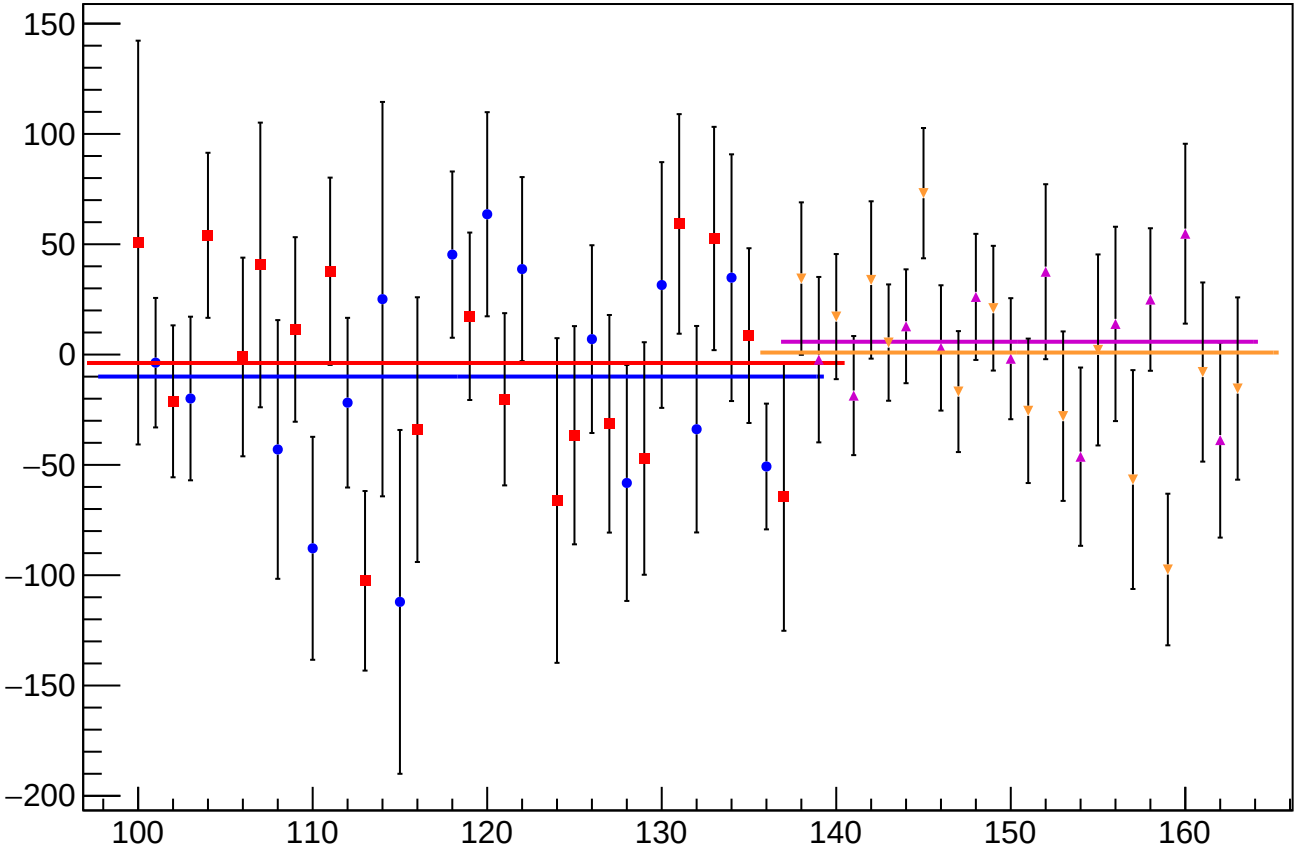
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29362.646+/-5.034 χ^2/NDF:960479.1/27

Out: 29040.414+/-4.826 χ^2/NDF:873945.9/32

All: 29194.743+/-3.484 χ^2/NDF: 1836560.0/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.807+/-9.443 χ^2/NDF:6.7/11

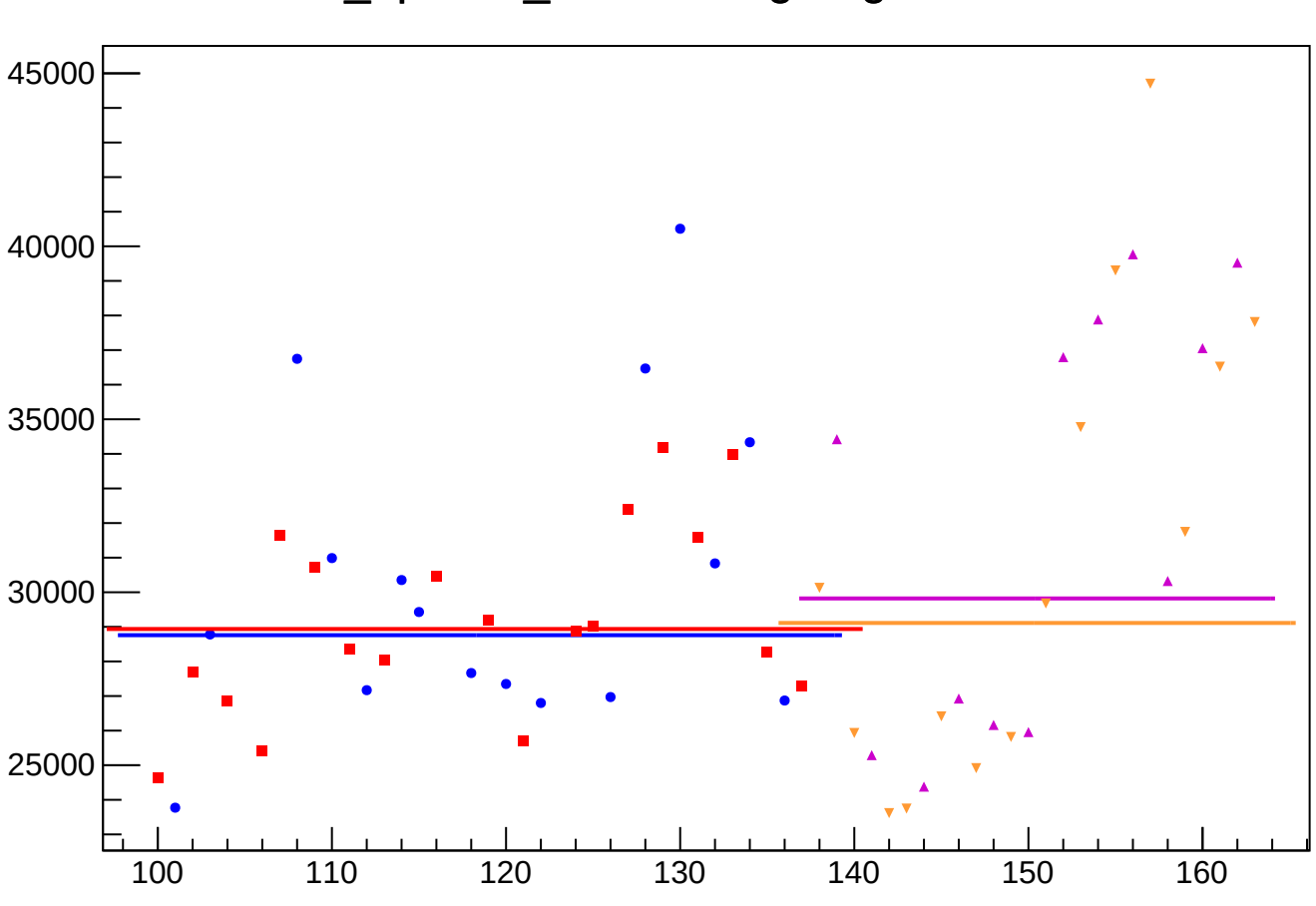
Left: 3.217+/-6.476 χ^2/NDF: 26.8/25

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

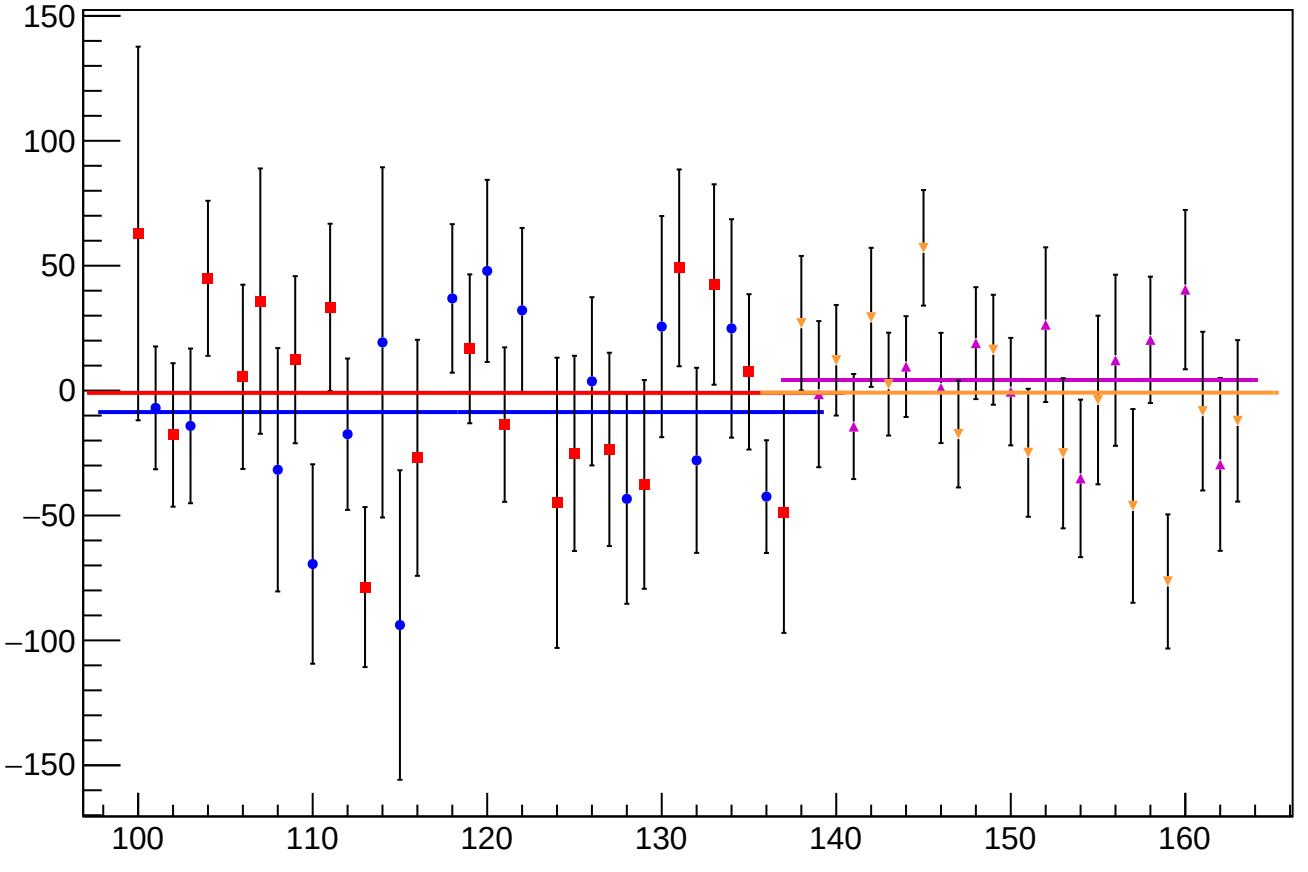
In: -1.002+/-7.119 χ^2/NDF:23.2/27

Out: -1.032+/-6.825 χ^2/NDF:37.4/32

All: -1.017+/-4.927 χ^2/NDF: 60.6/60


diff_bpmEX_rms vs Slug, Sign Corrected
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 29112.367+/-6.293 χ²/NDF:767362.4/13
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 29820.971+/-6.677 χ²/NDF:671923.2/11
Left: 29445.685+/-4.580 χ²/NDF: 1445250.2/25
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29362.646+/-5.034 χ²/NDF:960479.1/27
Out: 29040.414+/-4.826 χ²/NDF:873945.9/32
All: 29194.743+/-3.484 χ²/NDF: 1836560.0/6

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: -0.813+/-6.951 χ^2/NDF:21.1/13

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 4.239+/-7.377 χ^2/NDF:6.2/11

Left: 1.563+/-5.059 χ^2/NDF: 27.5/25

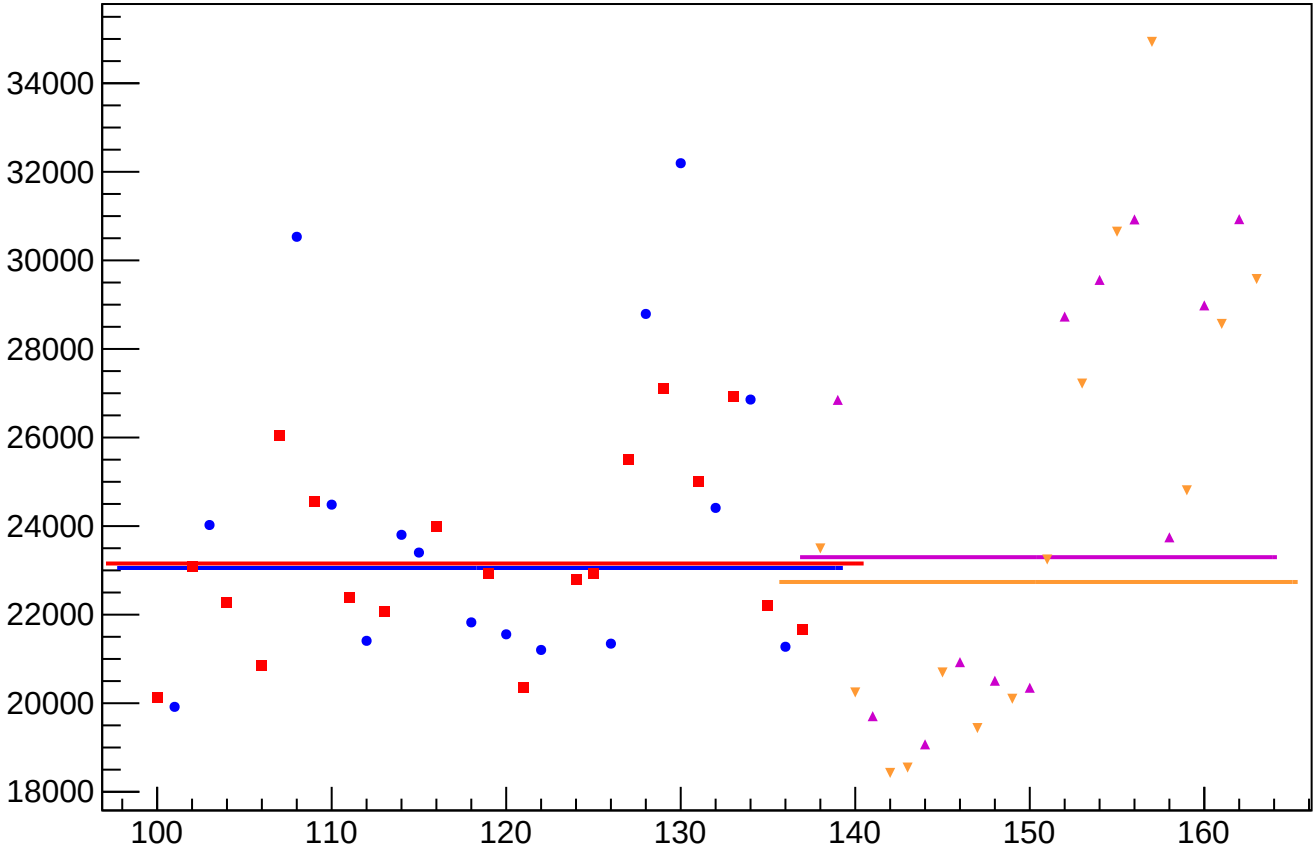
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -1.146+/-5.621 χ^2/NDF:22.9/27

Out: -0.849+/-5.382 χ^2/NDF:38.7/32

All: -0.991+/-3.887 χ^2/NDF: 61.7/60

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 22738.019+/-4.915 χ^2/NDF:771452.5/13

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 23298.164+/-5.216 χ^2/NDF:668354.5/11

Left: 23001.452+/-3.577 χ^2/NDF: 1445915.2/25

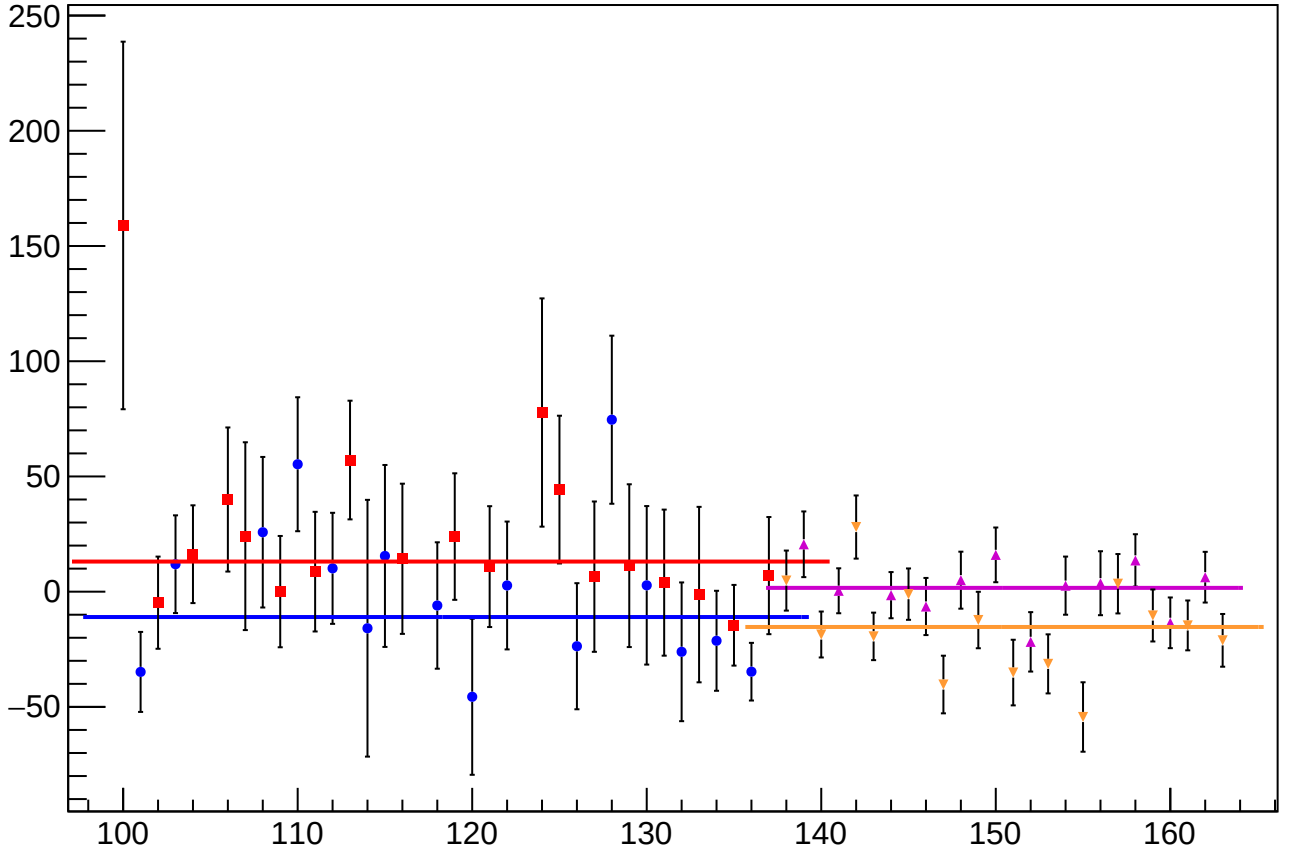
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 23195.707+/-3.974 χ^2/NDF:930719.1/27

Out: 22905.083+/-3.806 χ^2/NDF:868232.0/32

All: 23044.102+/-2.749 χ^2/NDF: 1801740.4/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -15.317+/-3.206 χ^2/NDF:31.1/13

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.651+/-3.384 χ^2/NDF:10.3/11

Left: -7.292+/-2.328 χ^2/NDF: 54.7/25

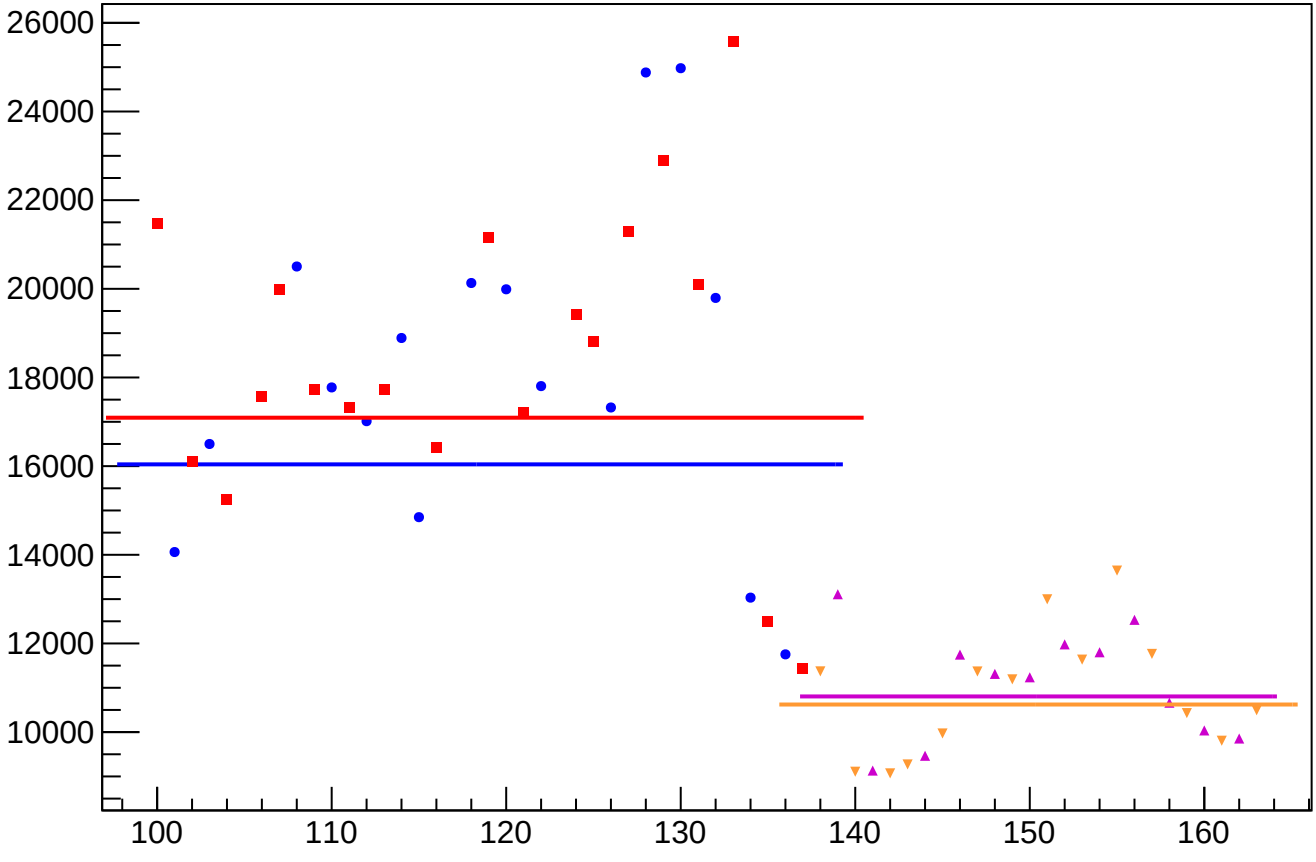
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -1.286+/-2.966 χ^2/NDF:35.6/27

Out: -9.597+/-2.865 χ^2/NDF:60.8/32

All: -5.585+/-2.060 χ^2/NDF: 100.5/60

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10622.444+/-2.267 χ^2/NDF:307620.7/13

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10804.766+/-2.393 χ^2/NDF:249447.6/11

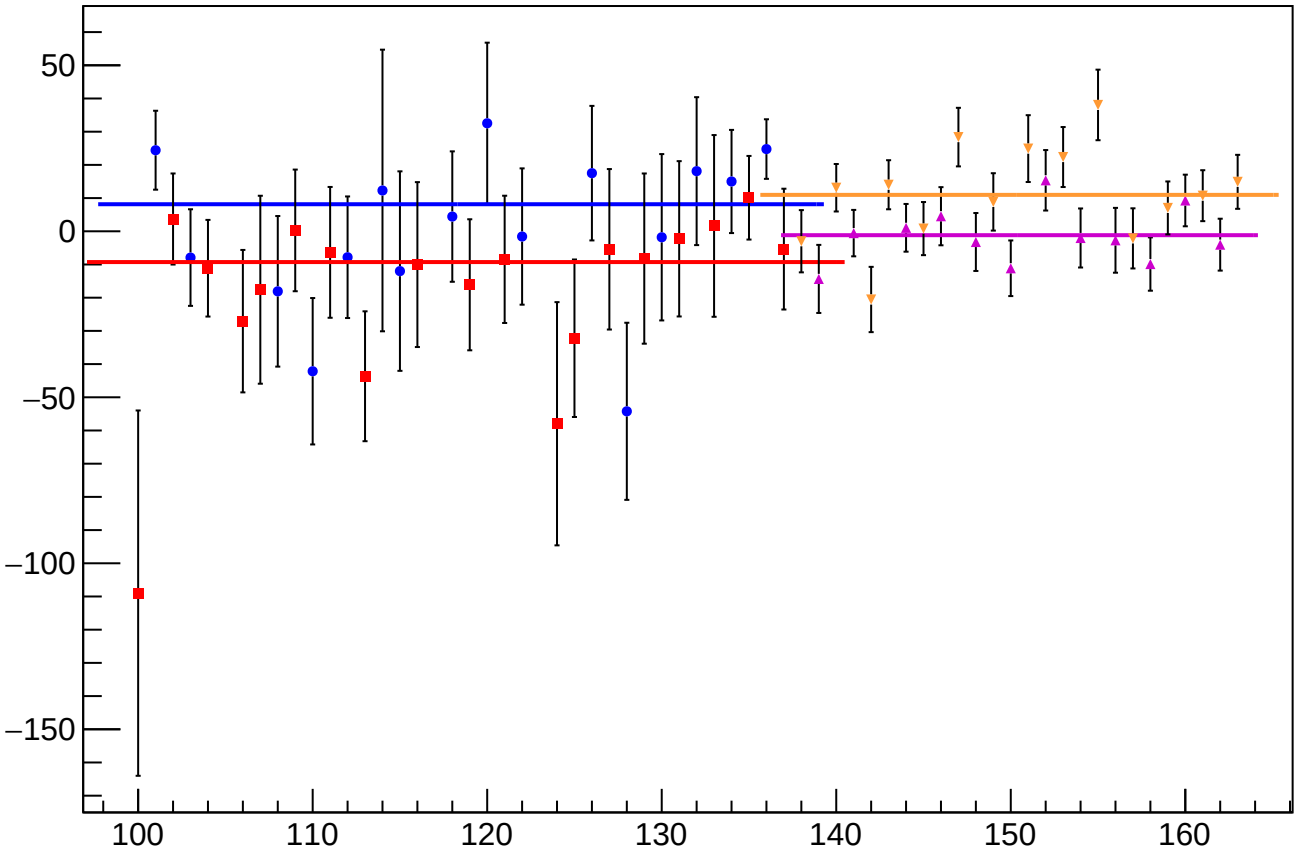
Left: 10708.672+/-1.646 χ^2/NDF: 560127.4/25

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12020.224+/-2.097 χ^2/NDF:2083183.3/27

Out: 11926.253+/-2.026 χ^2/NDF:2484569.4/32

All: 11971.614+/-1.457 χ^2/NDF: 4568791.4/6



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.969+/-2.279 χ^2/NDF:30.9/13

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.174+/-2.402 χ^2/NDF:10.1/11

Left: 5.215+/-1.653 χ^2/NDF: 54.4/25

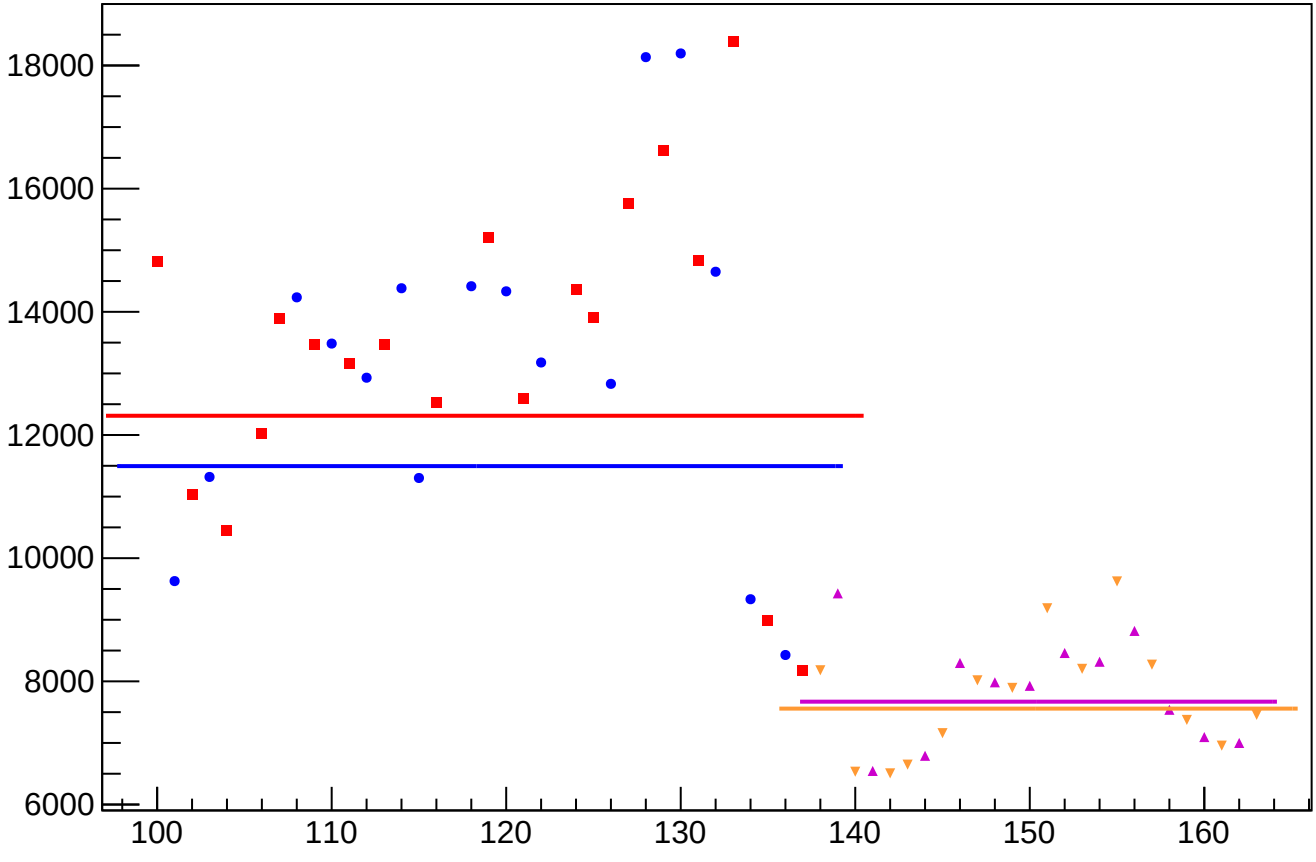
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.950+/-2.111 χ^2/NDF:35.3/27

Out: 6.989+/-2.043 χ^2/NDF:60.3/32

All: 4.068+/-1.468 χ^2/NDF: 99.8/60

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7557.480+/-1.612 χ^2/NDF:280700.7/13

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7670.079+/-1.698 χ^2/NDF:234834.3/11

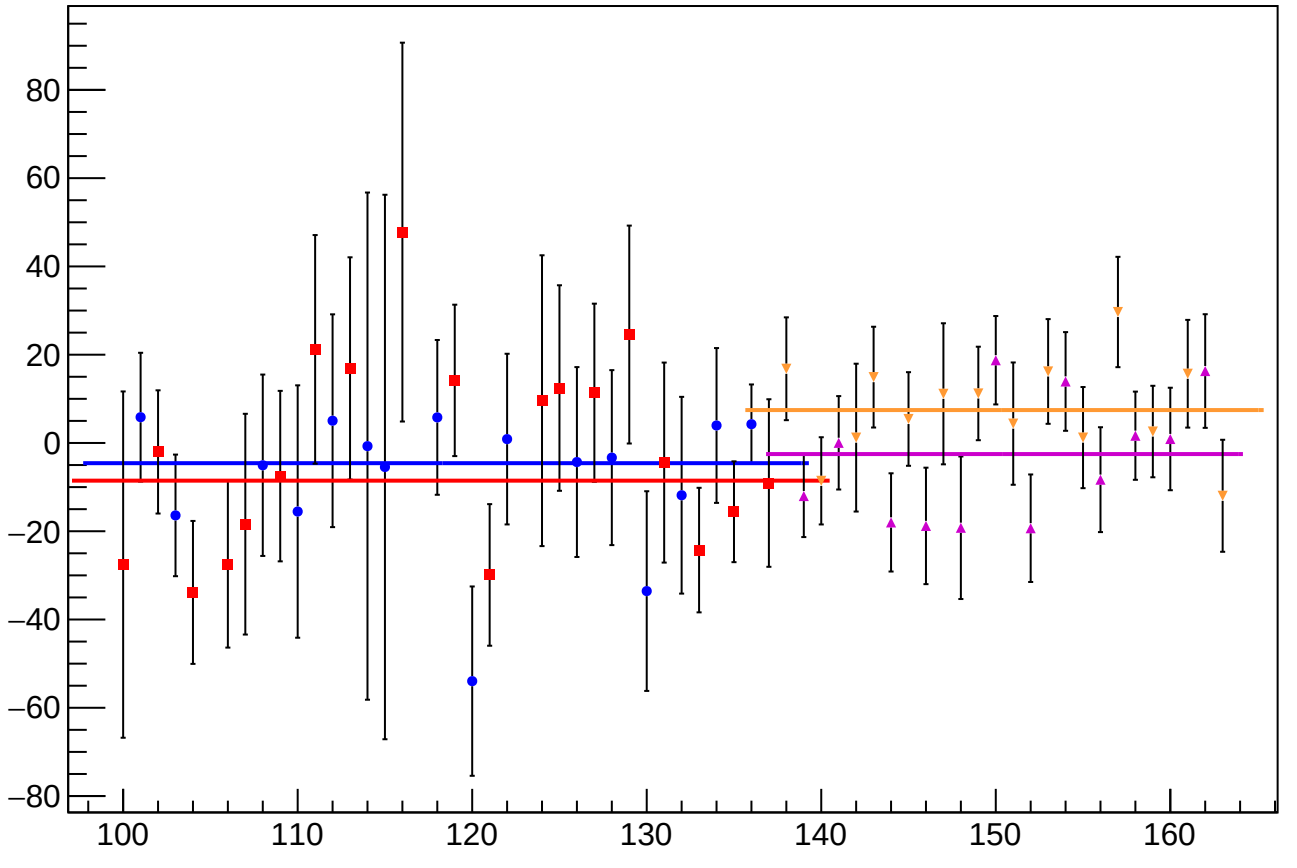
Left: 7610.840+/-1.169 χ^2/NDF: 517847.8/25

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8541.116+/-1.492 χ^2/NDF:2179972.1/27

Out: 8492.549+/-1.445 χ^2/NDF:2590965.9/32

All: 8516.042+/-1.038 χ^2/NDF: 4771484.7/60



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.454+/-3.176 χ^2/NDF:11.1/13

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -2.514+/-3.272 χ^2/NDF:16.8/11

Left: 2.619+/-2.279 χ^2/NDF: 32.7/25

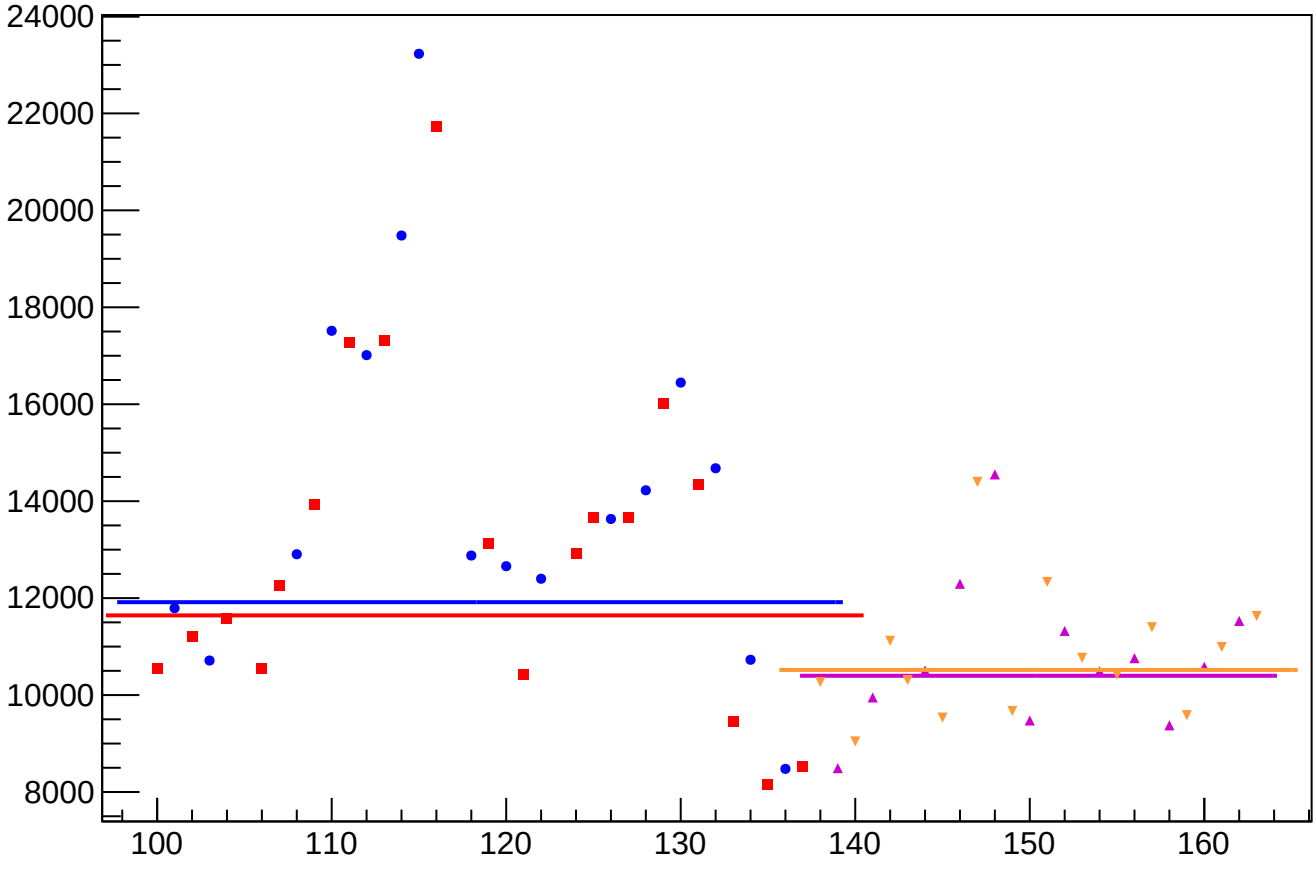
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -3.217+/-2.657 χ^2/NDF:27.2/27

Out: 1.964+/-2.574 χ^2/NDF:37.0/32

All: -0.544+/-1.849 χ^2/NDF: 66.2/60

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10518.241+/-2.246 χ^2/NDF:276501.1/13

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10398.257+/-2.314 χ^2/NDF:328837.5/11

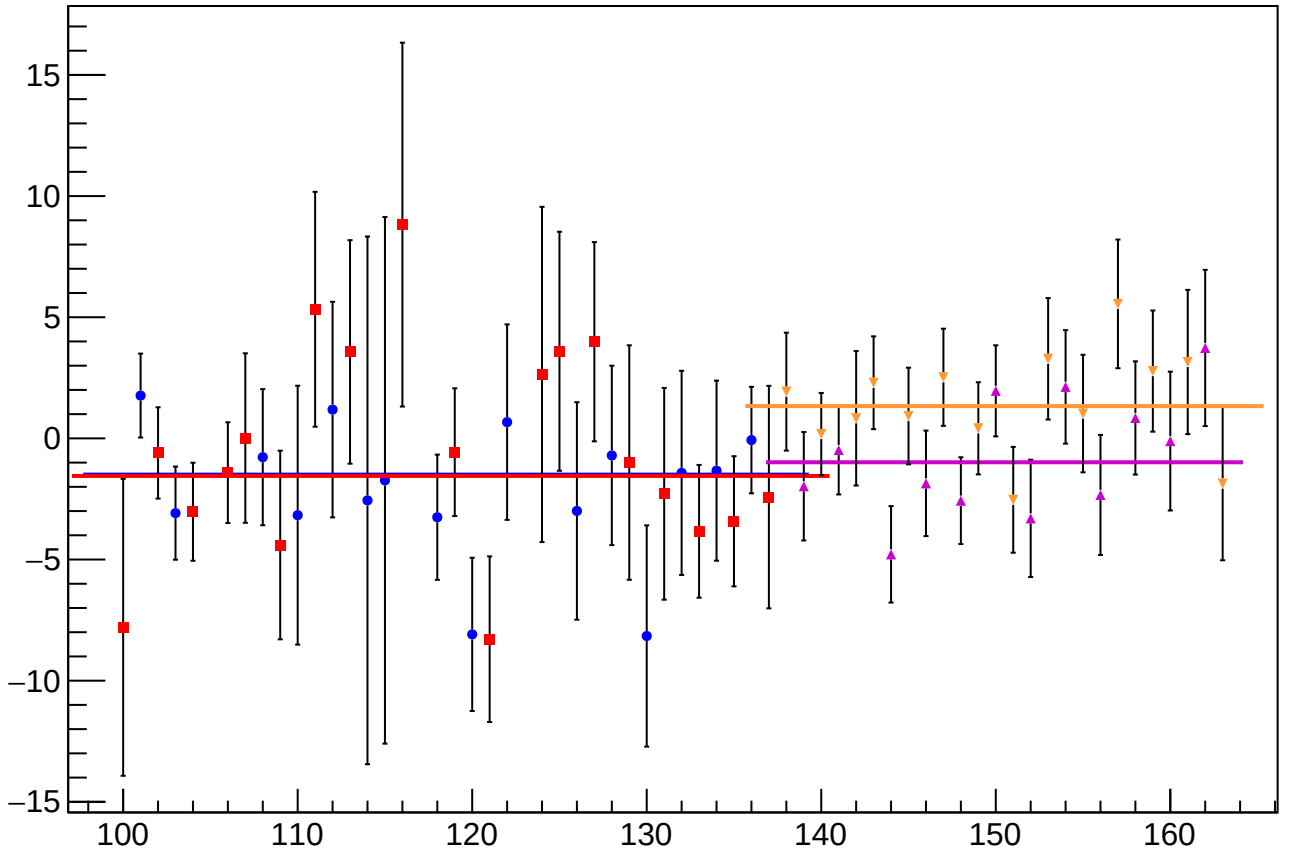
Left: 10460.034+/-1.612 χ^2/NDF: 606723.3/25

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10915.128+/-1.879 χ^2/NDF:1225189.8/27

Out: 10904.644+/-1.820 χ^2/NDF:1153074.9/32

All: 10909.719+/-1.307 χ^2/NDF: 2378280.7/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.332+/-0.603 χ^2/NDF:9.4/13

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.987+/-0.636 χ^2/NDF:13.1/11

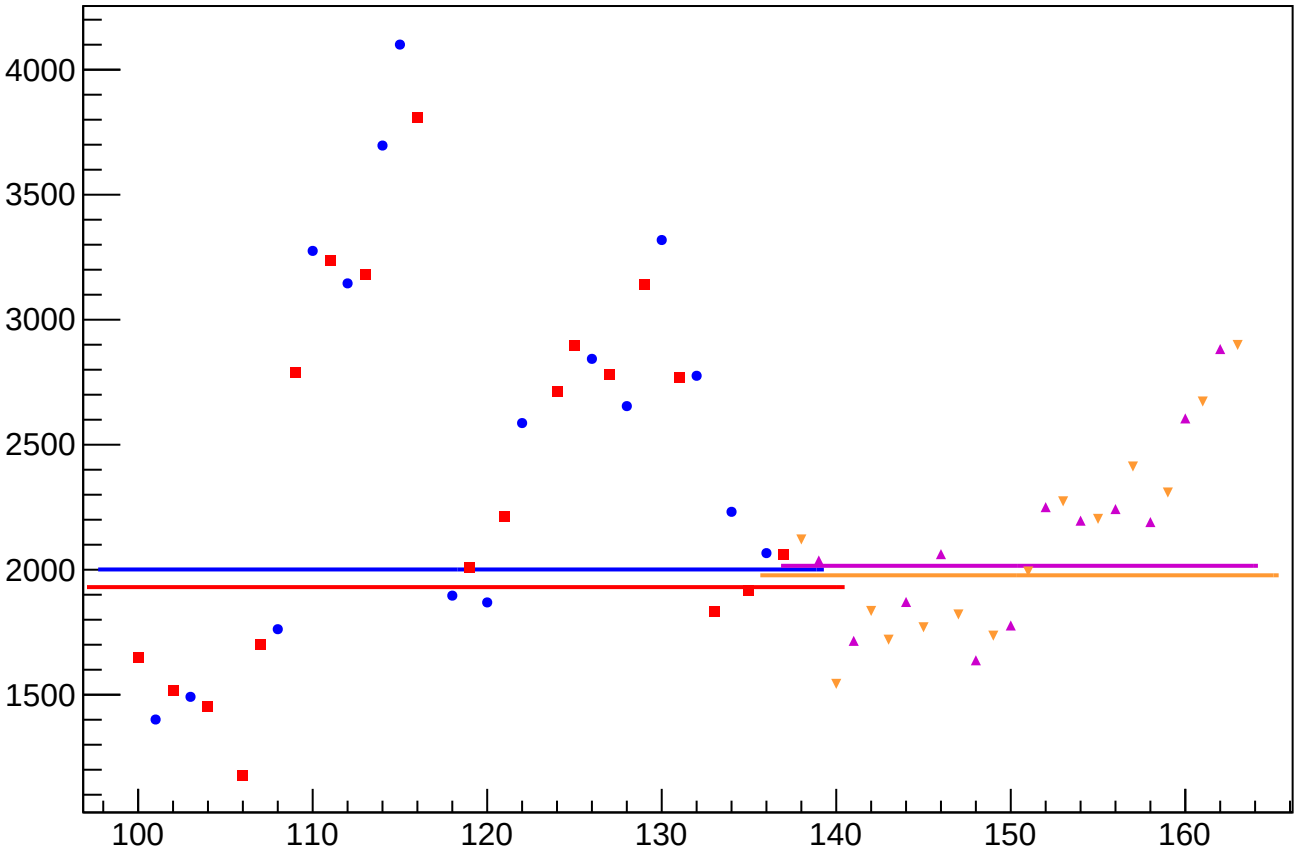
Left: 0.234+/-0.438 χ^2/NDF: 29.6/25

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.191+/-0.492 χ^2/NDF:26.0/27

Out: 0.190+/-0.469 χ^2/NDF:34.8/32

All: -0.466+/-0.339 χ^2/NDF: 64.9/60



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1977.676+/-0.426 χ^2/NDF:658228.4/13

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2015.711+/-0.450 χ^2/NDF:474685.4/11

Left: 1995.687+/-0.309 χ^2/NDF: 1136680.2/25

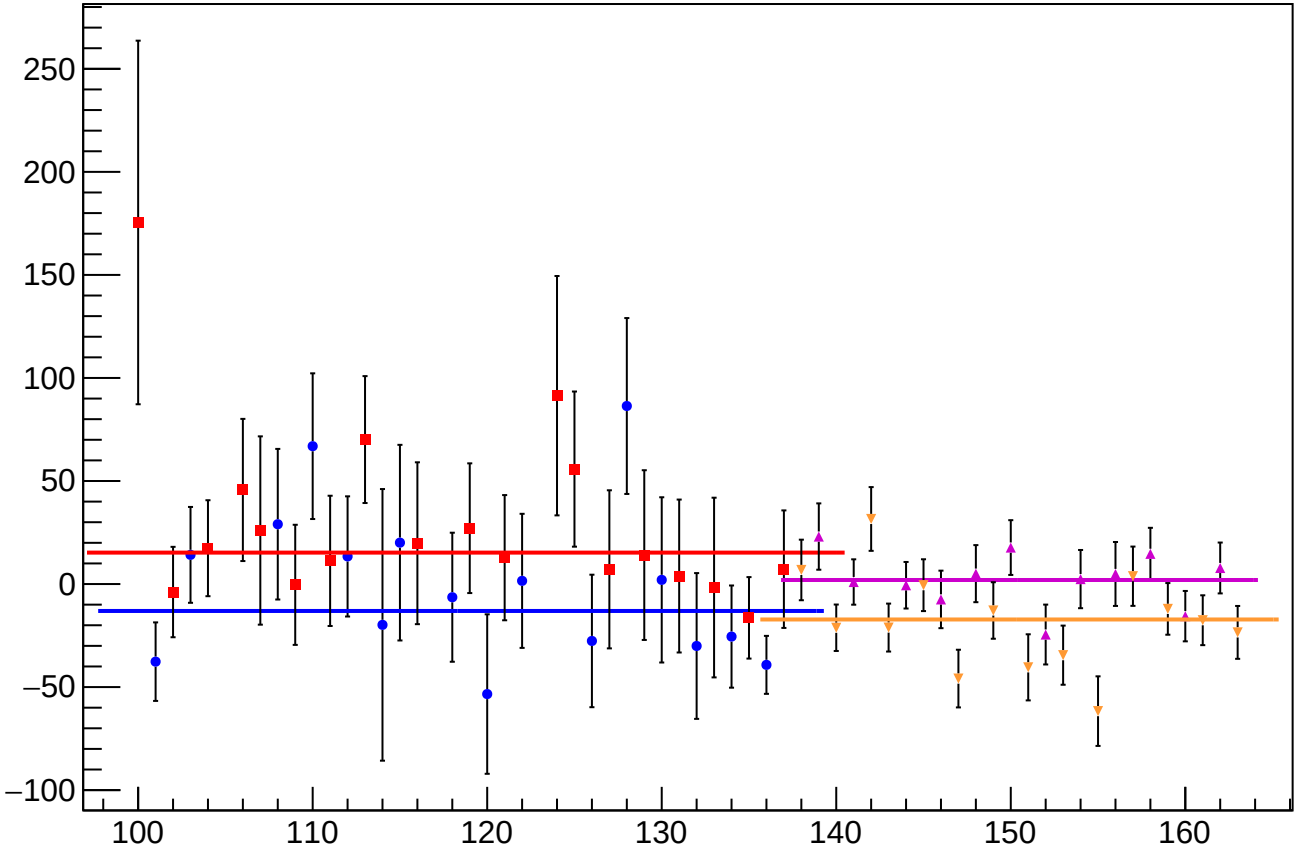
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2009.821+/-0.348 χ^2/NDF:1664898.1/27

Out: 1958.958+/-0.331 χ^2/NDF:2066643.0/32

All: 1983.131+/-0.240 χ^2/NDF: 3742737.4/60

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -17.198+/-3.599 χ^2/NDF:31.9/13

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 1.961+/-3.795 χ^2/NDF:10.3/11

Left: -8.126+/-2.612 χ^2/NDF: 55.7/25

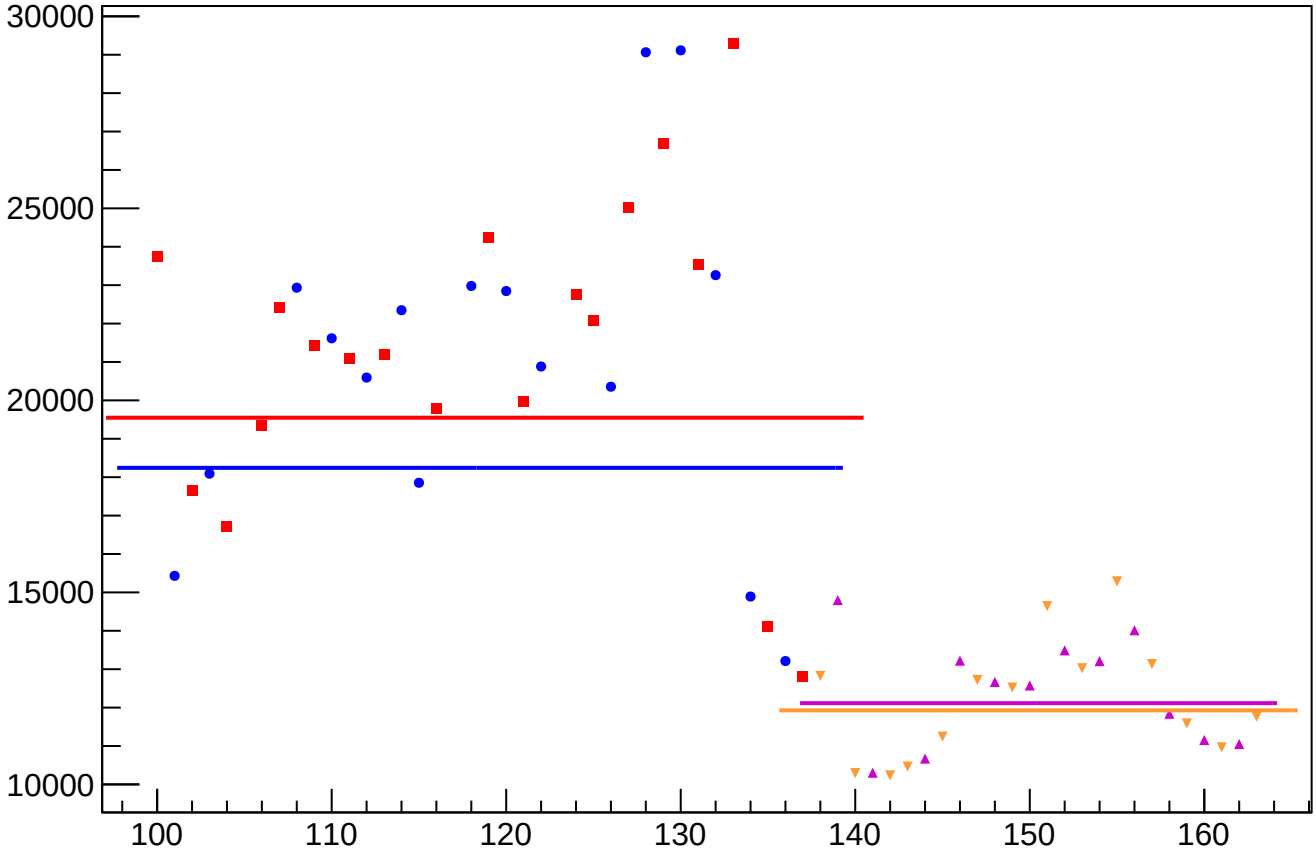
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -1.433+/-3.339 χ^2/NDF:35.7/27

Out: -10.881+/-3.230 χ^2/NDF:62.1/32

All: -6.314+/-2.322 χ^2/NDF: 102.0/60

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11928.137+/-2.545 χ^2/NDF:297867.6/13

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12116.431+/-2.684 χ^2/NDF:248652.3/11

Left: 12017.291+/-1.847 χ^2/NDF: 549111.8/25

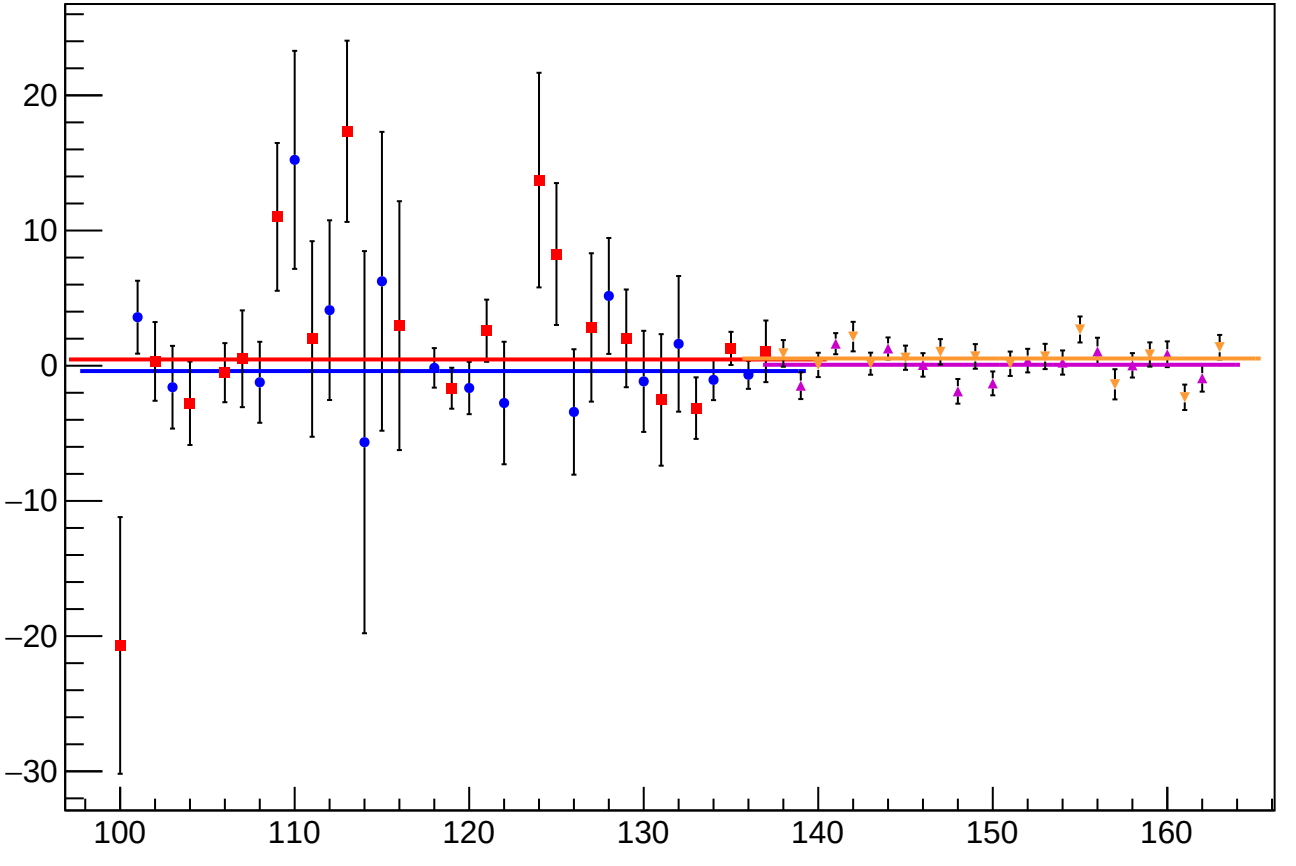
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13500.324+/-2.361 χ^2/NDF:2245714.6/27

Out: 13411.527+/-2.284 χ^2/NDF:2664794.9/32

All: 13454.447+/-1.642 χ^2/NDF: 4911240.2/6

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.536+/-0.250 χ^2/NDF:21.6/13

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: 0.071+/-0.260 χ^2/NDF:18.4/11

Left: 0.313+/-0.180 χ^2/NDF: 41.7/25

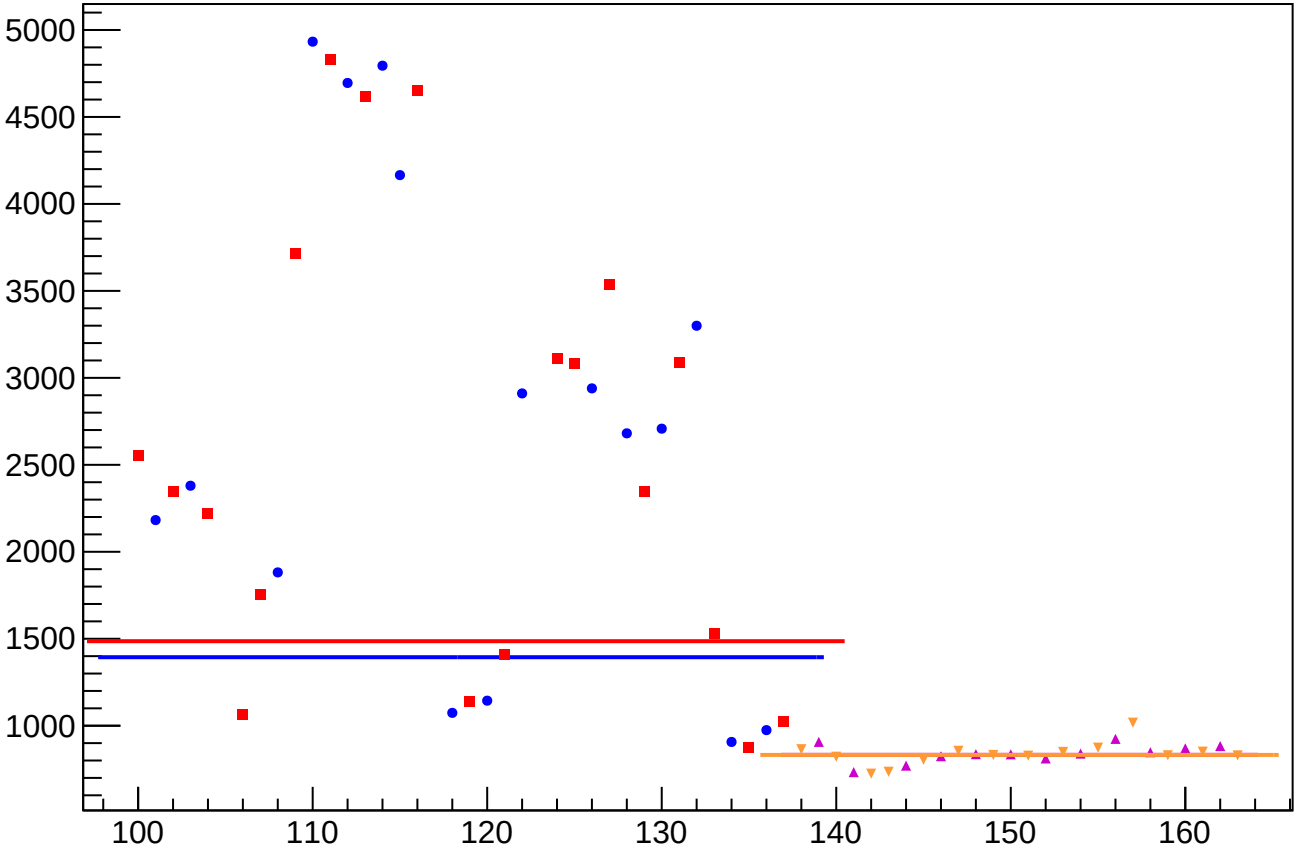
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.002+/-0.238 χ^2/NDF:29.4/27

Out: 0.527+/-0.232 χ^2/NDF:49.6/32

All: 0.269+/-0.166 χ^2/NDF: 81.5/60

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 832.201+/-0.177 χ^2/NDF:113863.4/13

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 832.532+/-0.184 χ^2/NDF:81795.2/11

Left: 832.360+/-0.127 χ^2/NDF: 195660.4/25

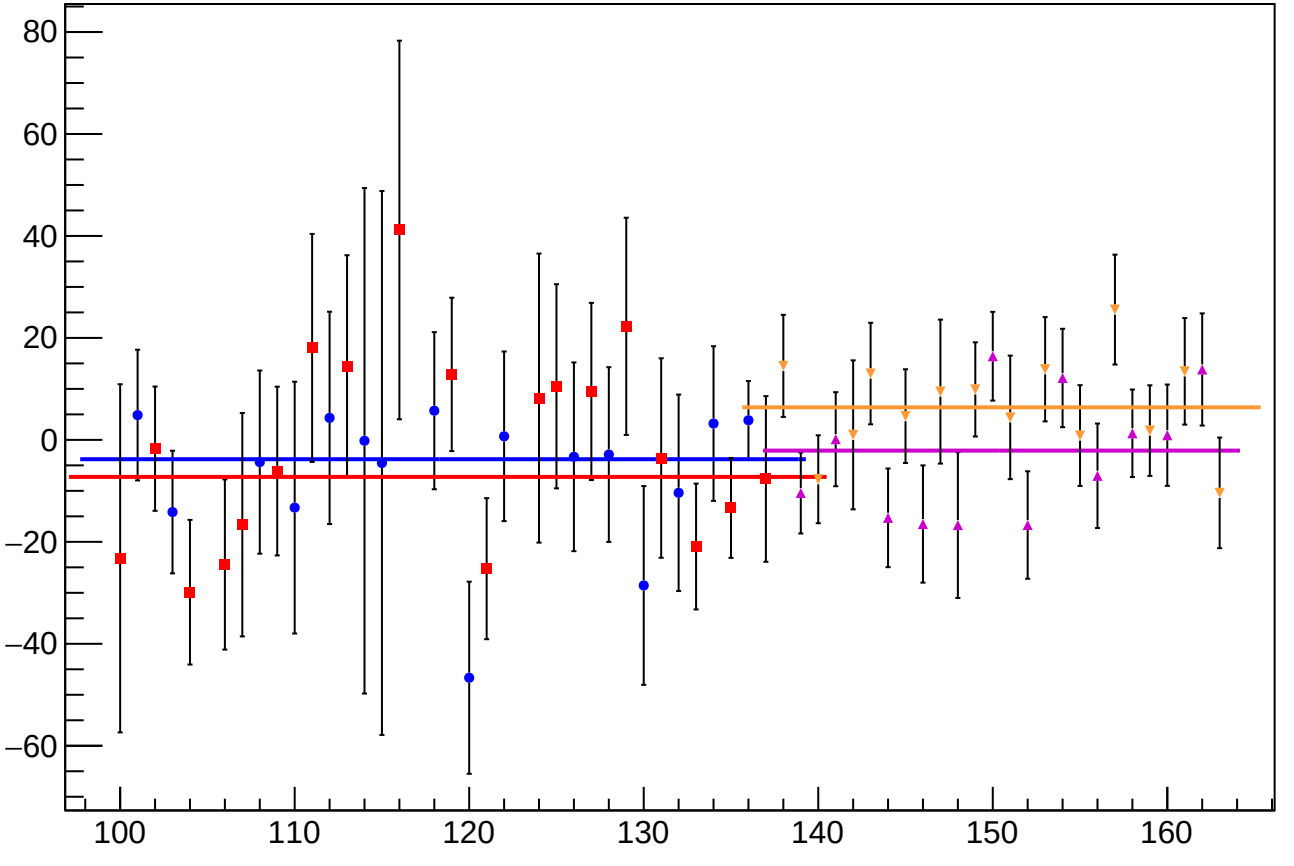
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 921.010+/-0.168 χ^2/NDF:4937026.0/27

Out: 920.031+/-0.164 χ^2/NDF:5354379.5/32

All: 920.508+/-0.118 χ^2/NDF: 10291422.9/60

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.384+/-2.749 χ^2/NDF:11.3/13

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -2.102+/-2.826 χ^2/NDF:16.8/11

Left: 2.258+/-1.971 χ^2/NDF: 32.7/25

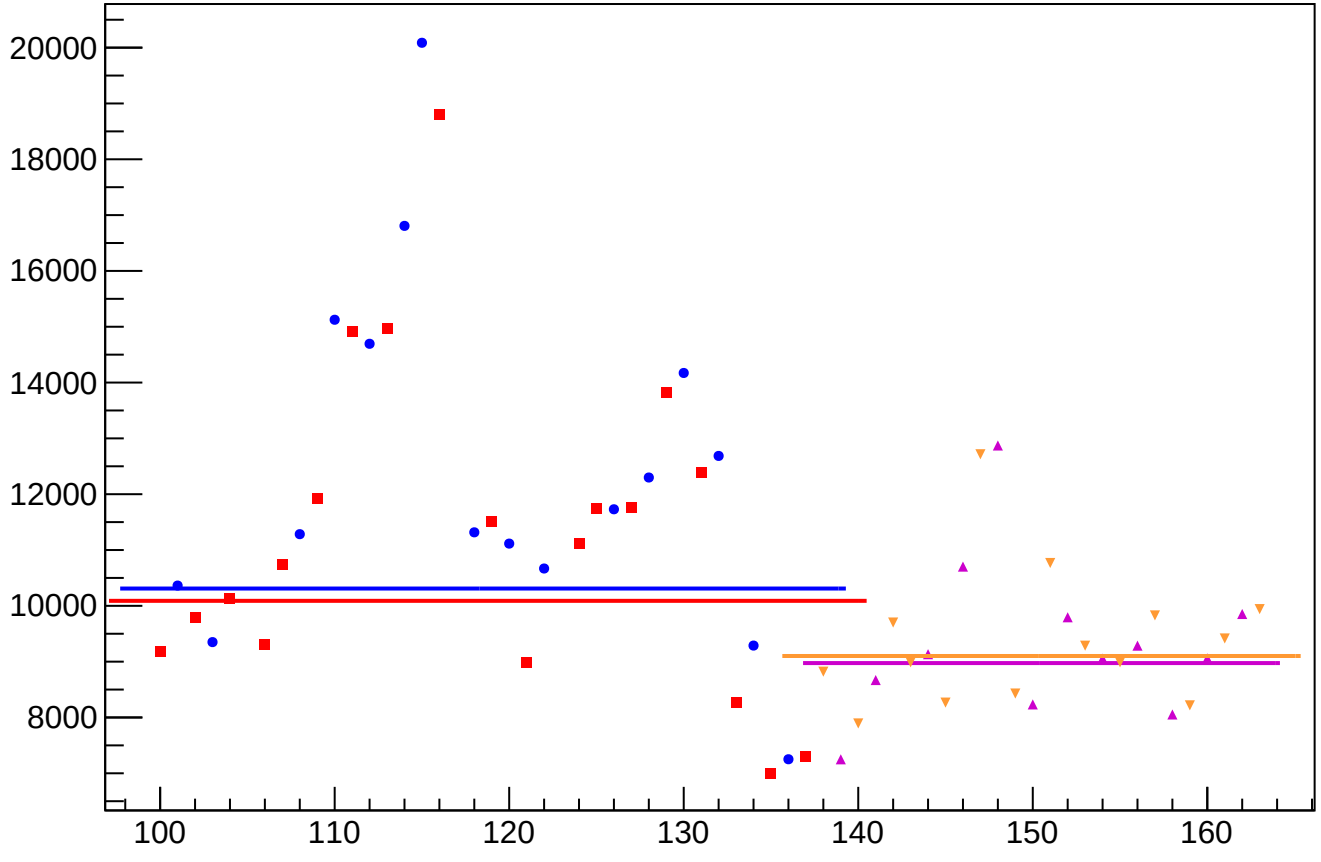
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -2.677+/-2.297 χ^2/NDF:27.0/27

Out: 1.706+/-2.229 χ^2/NDF:37.0/32

All: -0.419+/-1.600 χ^2/NDF: 65.9/60

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9101.351+/-1.944 χ^2/NDF:283972.4/13

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8974.520+/-1.999 χ^2/NDF:355373.6/11

Left: 9039.693+/-1.393 χ^2/NDF: 641415.4/25

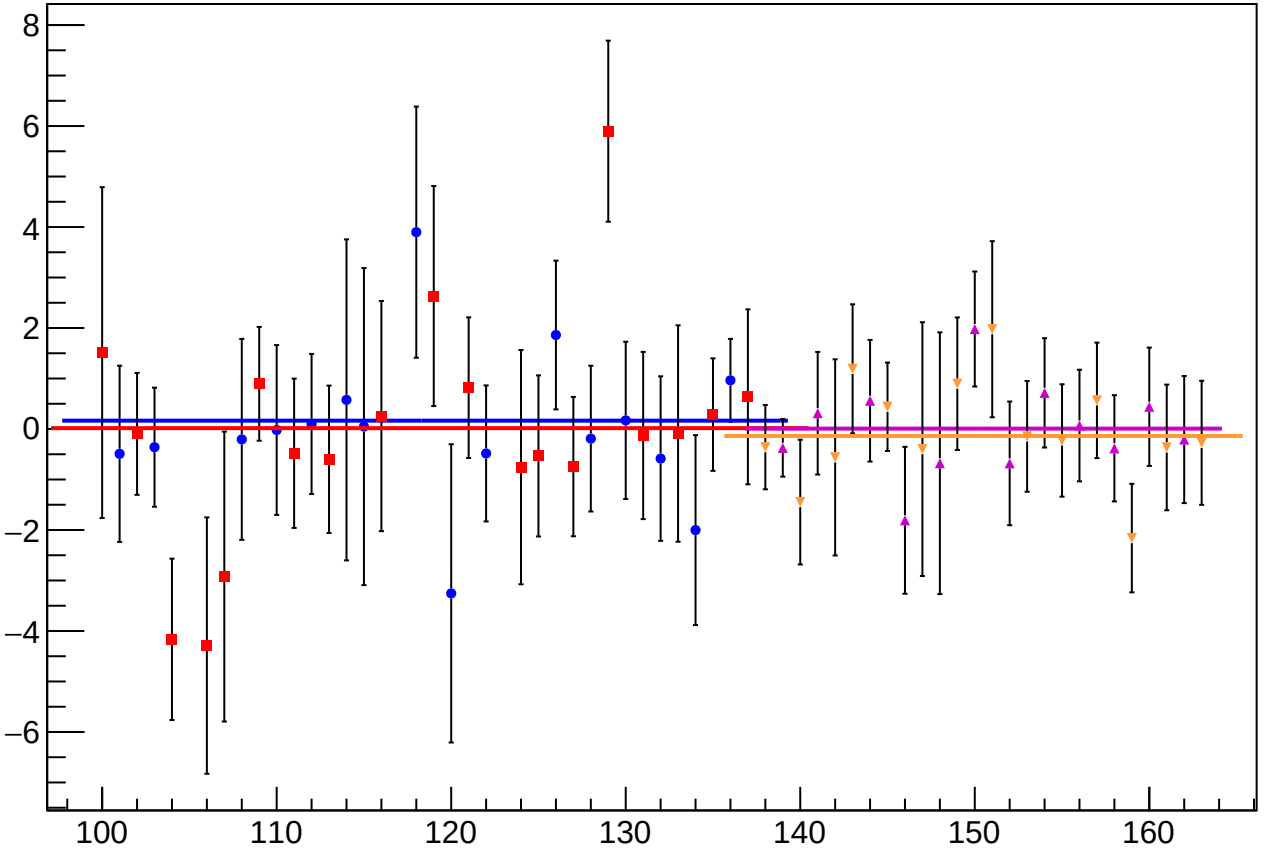
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9427.783+/-1.624 χ^2/NDF:1277437.4/27

Out: 9440.060+/-1.576 χ^2/NDF:1165339.5/32

All: 9434.107+/-1.131 χ^2/NDF: 2442806.3/60

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.137+/-0.317 χ^2/NDF:8.8/13

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.008+/-0.310 χ^2/NDF:6.4/11

Left: -0.063+/-0.222 χ^2/NDF: 15.3/25

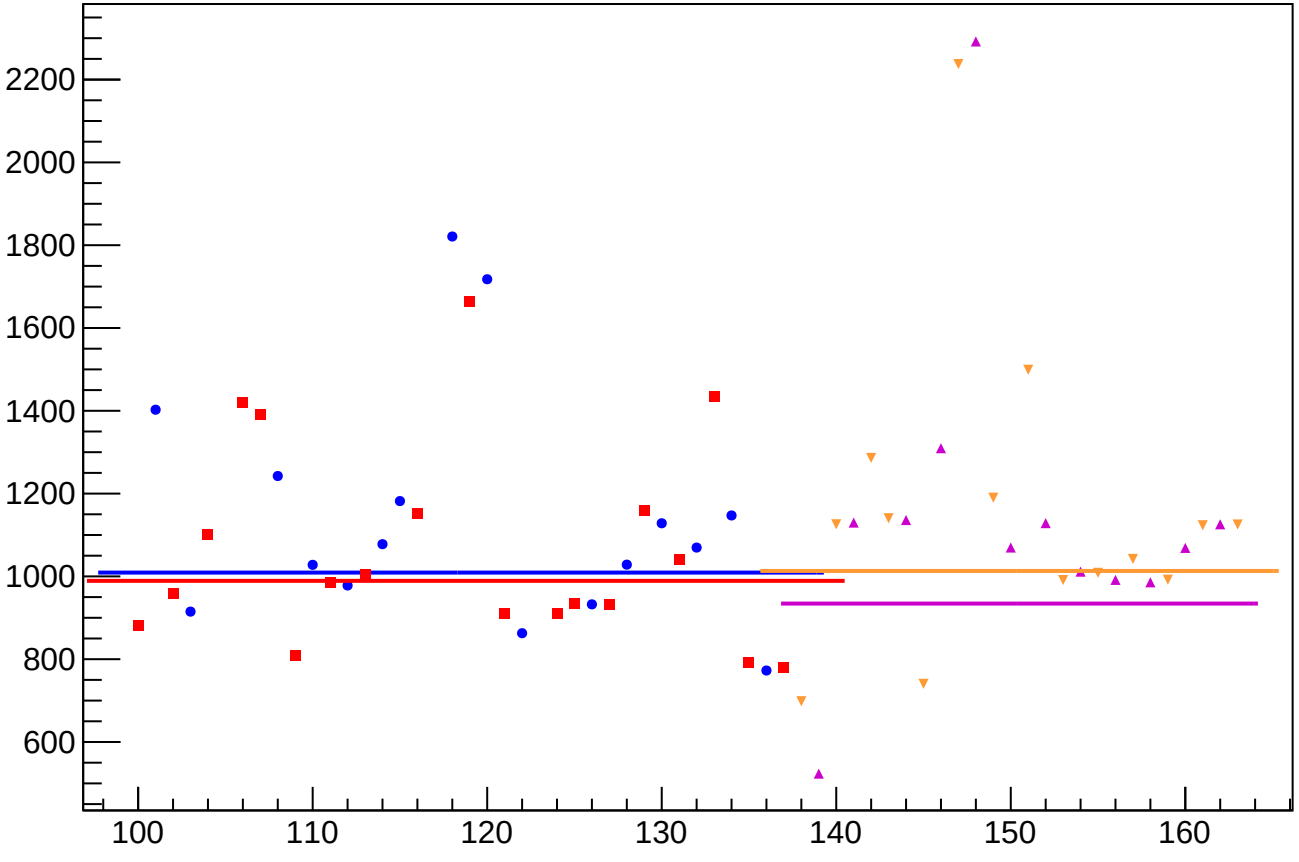
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.069+/-0.242 χ^2/NDF:14.6/27

Out: -0.072+/-0.242 χ^2/NDF:34.1/32

All: -0.002+/-0.171 χ^2/NDF: 48.9/60

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1013.140+/-0.224 χ^2/NDF:1256462.1/13

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 934.375+/-0.219 χ^2/NDF:1999357.0/11

Left: 972.761+/-0.157 χ^2/NDF: 3318923.9/25

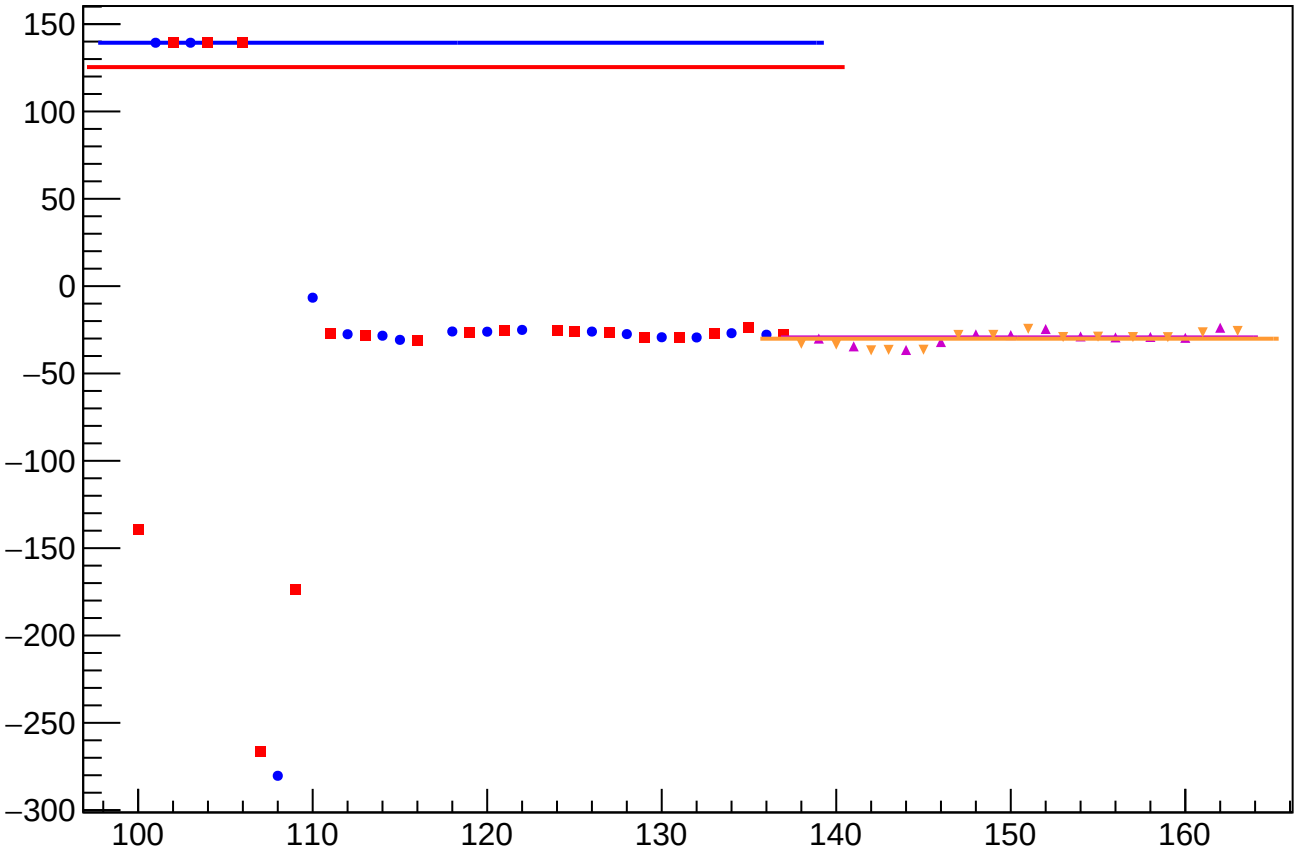
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 963.642+/-0.171 χ^2/NDF:2744380.8/27

Out: 1003.077+/-0.171 χ^2/NDF:1836992.4/32

All: 983.360+/-0.121 χ^2/NDF: 4608025.0/60

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -30.091+/-0.000 χ^2/NDF:100445913.5/13

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -29.342+/-0.000 χ^2/NDF:73643921.8/11

Left: -29.744+/-0.000 χ^2/NDF: 175565425.6/25

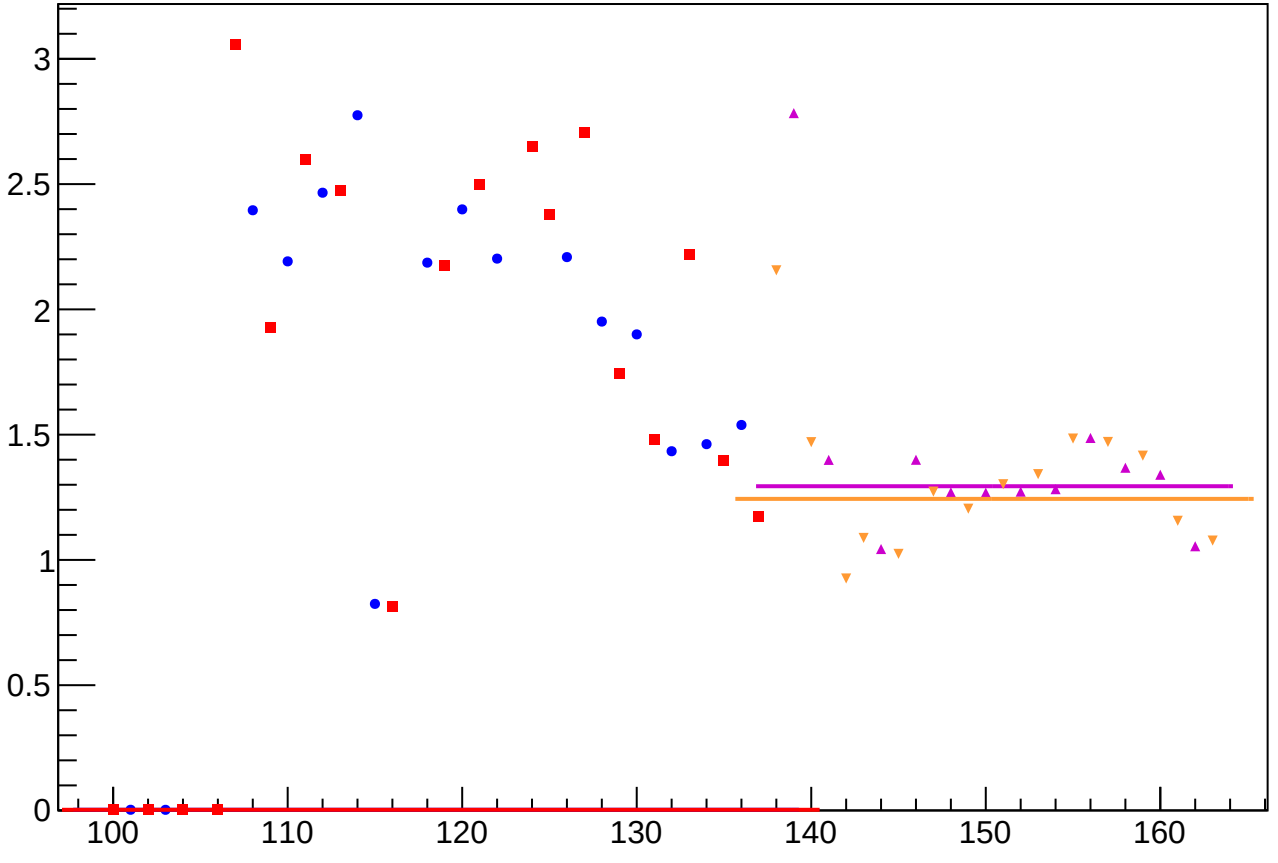
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.332+/-0.000 χ^2/NDF:186648317330.9/27

Out: 125.388+/-0.000 χ^2/NDF:774310409233234.

All: 131.814+/-0.000 χ^2/NDF: 793281266517

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.244+/-0.000 χ^2/NDF:556246.2/13

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.294+/-0.000 χ^2/NDF:663405.9/11

Left: 1.267+/-0.000 χ^2/NDF: 1233074.9/25

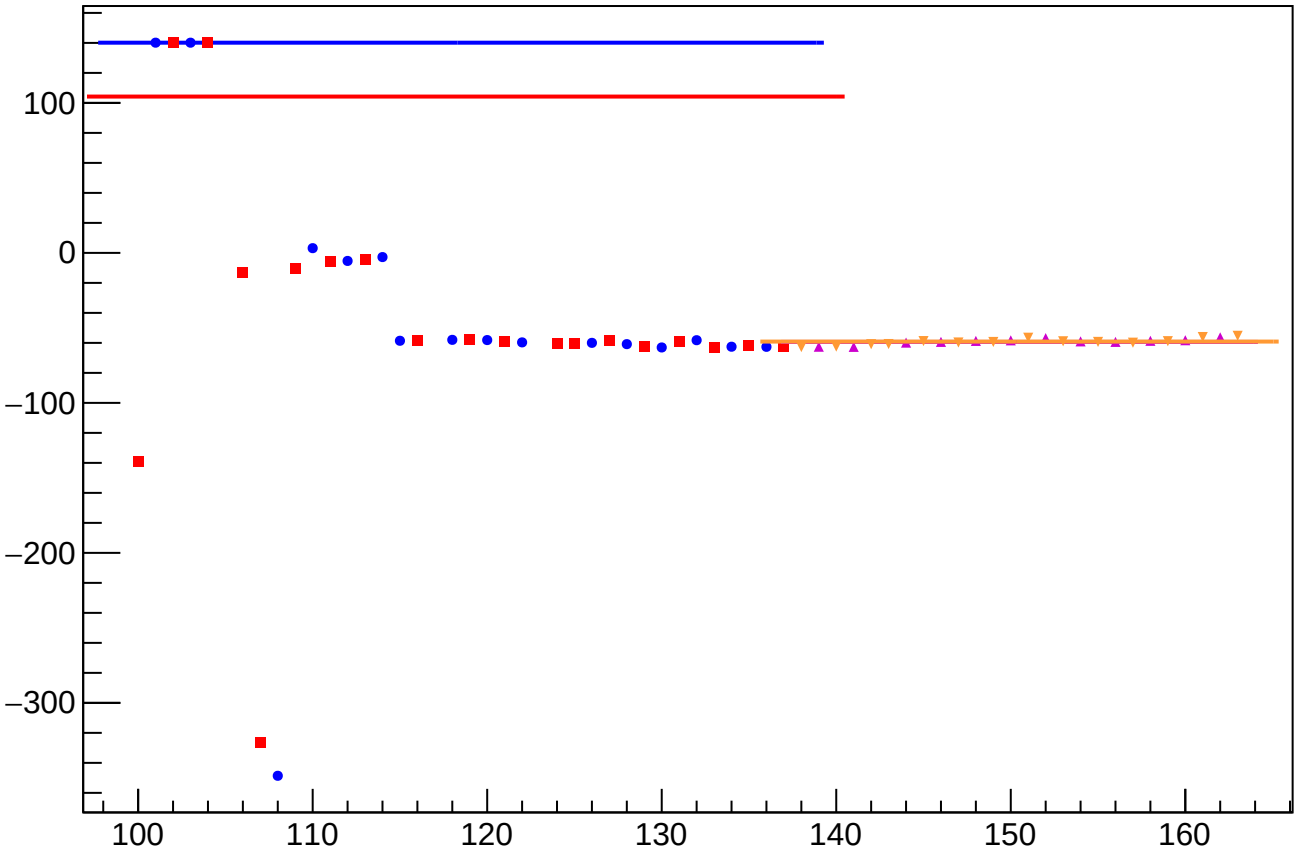
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:26582868.0/27

Out: 0.003+/-0.000 χ^2/NDF:27769511.8/32

All: 0.003+/-0.000 χ^2/NDF: 54352584.6/60

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.124+/-0.000 χ^2/NDF:102371050.0/13

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -59.366+/-0.000 χ^2/NDF:70187676.0/11

Left: -59.239+/-0.000 χ^2/NDF: 172972335.0/25

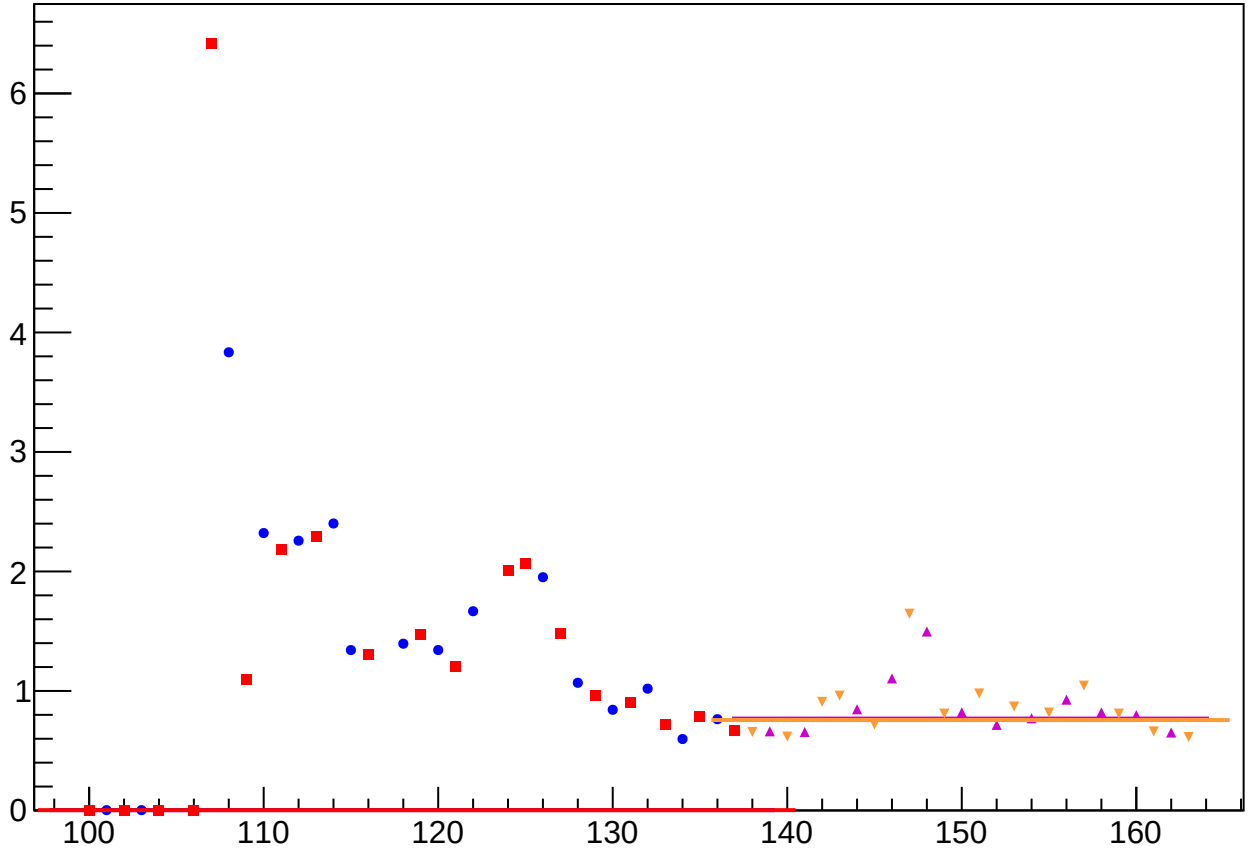
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.128+/-0.000 χ^2/NDF:719562409944.5/27

Out: 104.213+/-0.000 χ^2/NDF:125779812839177

All: 120.818+/-0.000 χ^2/NDF: 13818106844

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.756+/-0.000 χ^2/NDF:921843.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.769+/-0.000 χ^2/NDF:657956.8/11

Left: 0.762+/-0.000 χ^2/NDF: 1581960.3/25

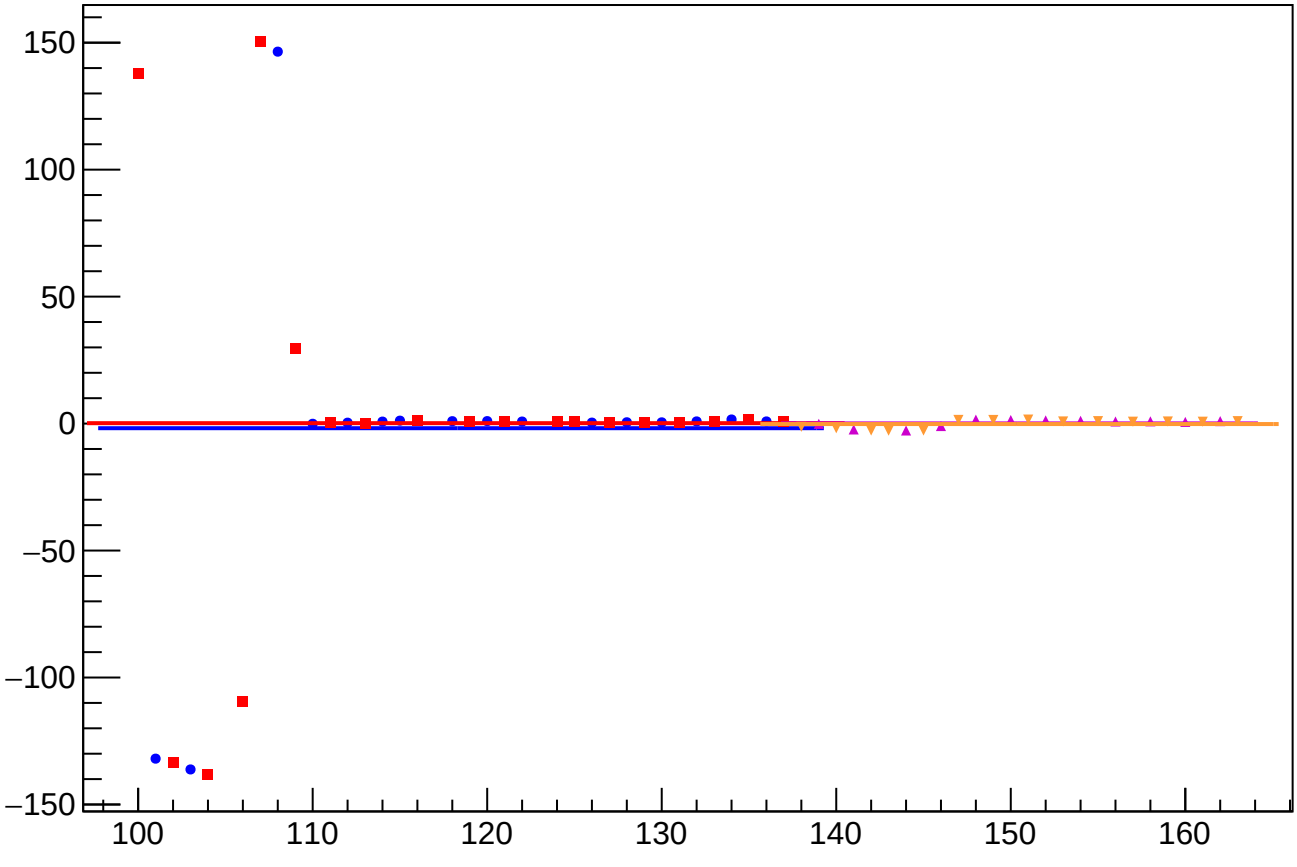
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:26929614.7/27

Out: 0.003+/-0.000 χ^2/NDF:28061779.4/32

All: 0.003+/-0.000 χ^2/NDF: 54991646.8/60

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.182+/-0.000 χ^2/NDF:90735804.8/13

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.084+/-0.000 χ^2/NDF:63021664.1/11

Left: -0.059+/-0.000 χ^2/NDF: 154787602.0/25

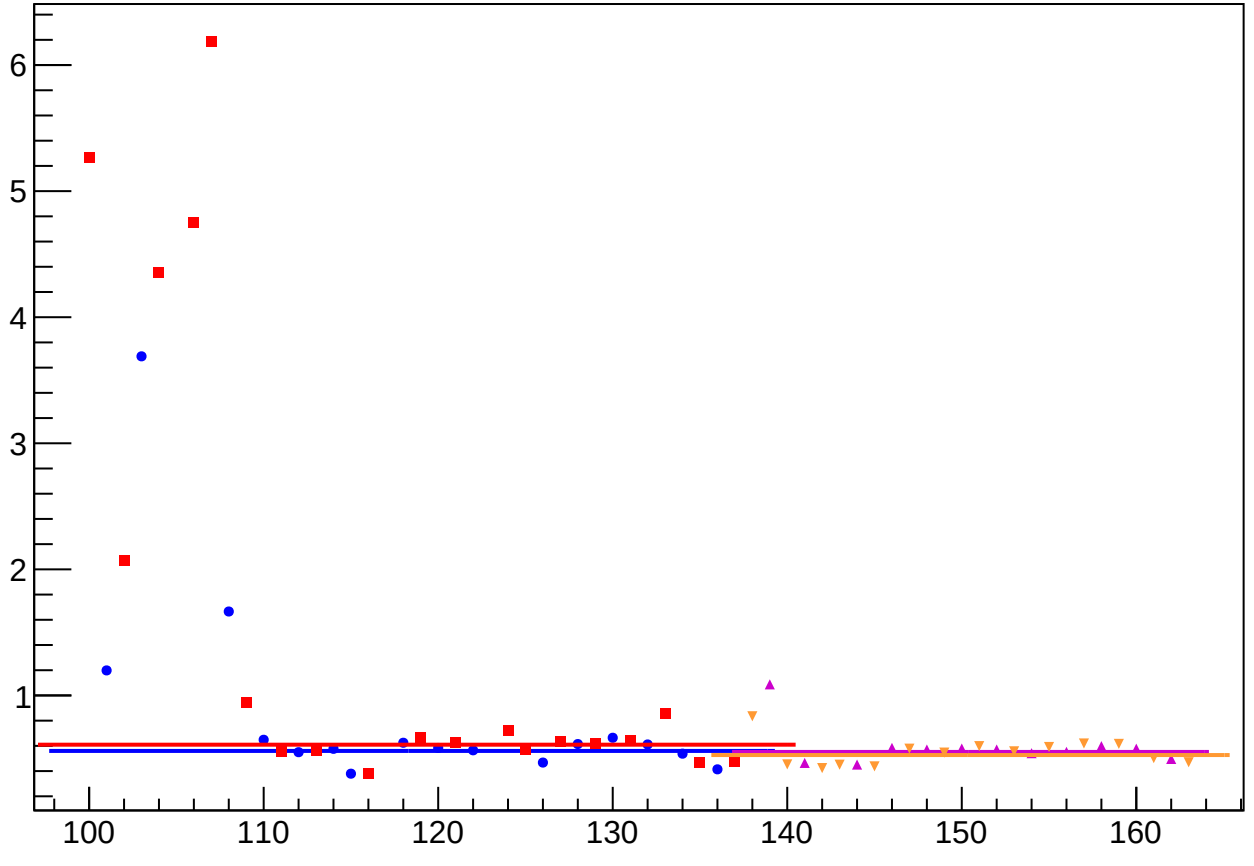
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.628+/-0.000 χ^2/NDF:9986716678.0/27

Out: -0.079+/-0.000 χ^2/NDF:3703111178.7/32

All: -0.348+/-0.000 χ^2/NDF: 13696446023.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.527+/-0.000 χ^2/NDF:464348.6/13

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.552+/-0.000 χ^2/NDF:555565.1/11

Left: 0.539+/-0.000 χ^2/NDF: 1037521.3/25

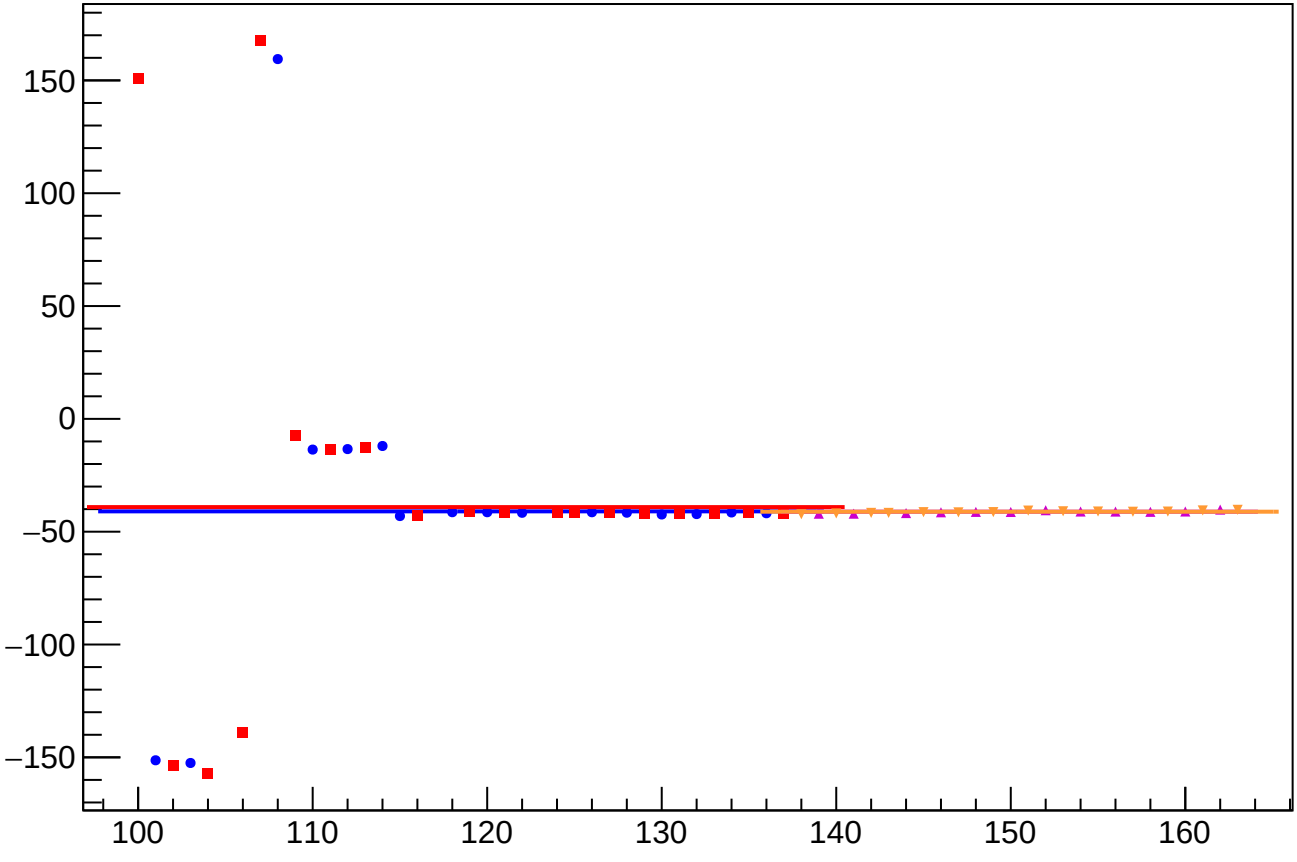
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.555+/-0.000 χ^2/NDF:2155293.9/27

Out: 0.552+/-0.000 χ^2/NDF:3066981.8/32

All: 0.553+/-0.000 χ^2/NDF: 5222688.3/60

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.137+/-0.000 χ^2/NDF:19892605.4/13

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.142+/-0.000 χ^2/NDF:19289386.4/11

Left: -41.140+/-0.000 χ^2/NDF: 39182843.0/25

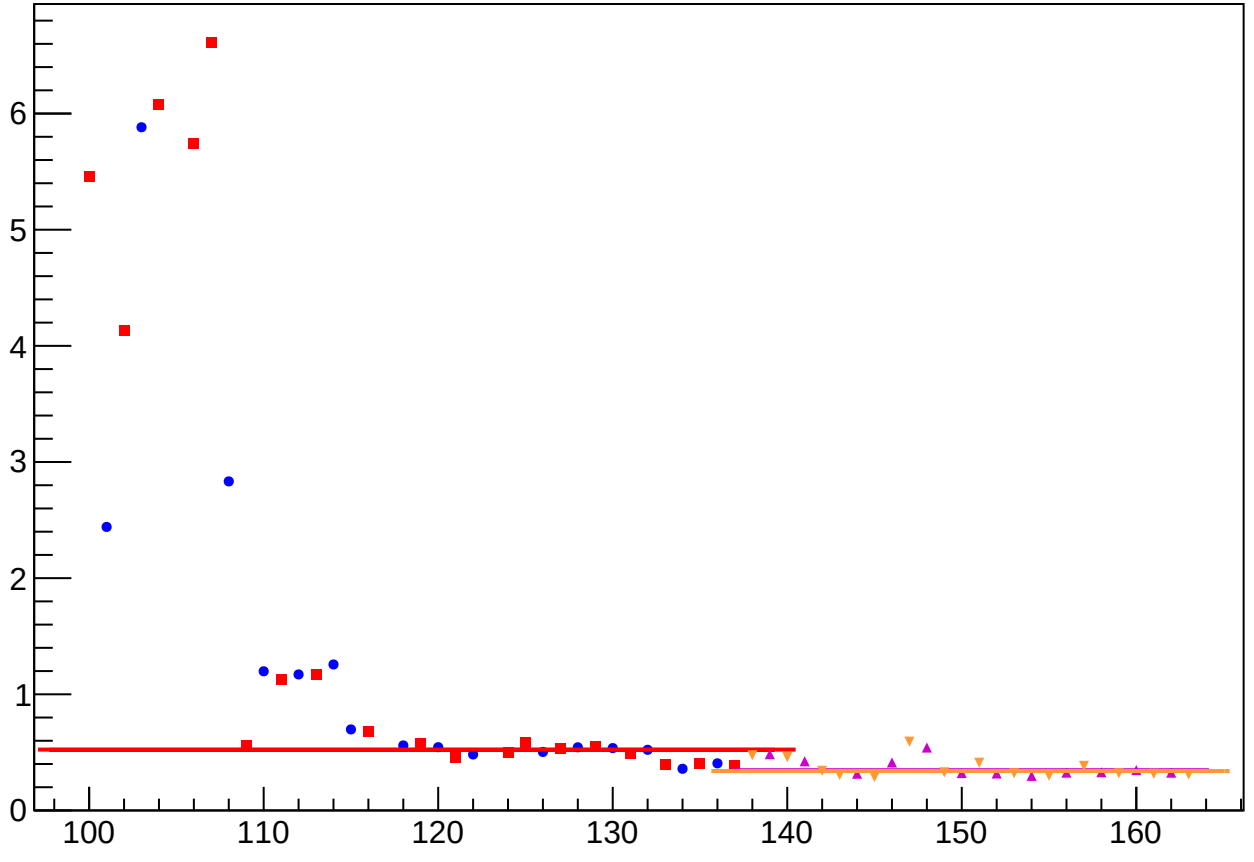
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.113+/-0.000 χ^2/NDF:3469271260.3/27

Out: -40.798+/-0.000 χ^2/NDF:2561898355.4/32

All: -40.948+/-0.000 χ^2/NDF: 6036253340.8/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.339+/-0.000 χ^2/NDF:705132.7/13

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.347+/-0.000 χ^2/NDF:522387.2/11

Left: 0.343+/-0.000 χ^2/NDF: 1231931.8/25

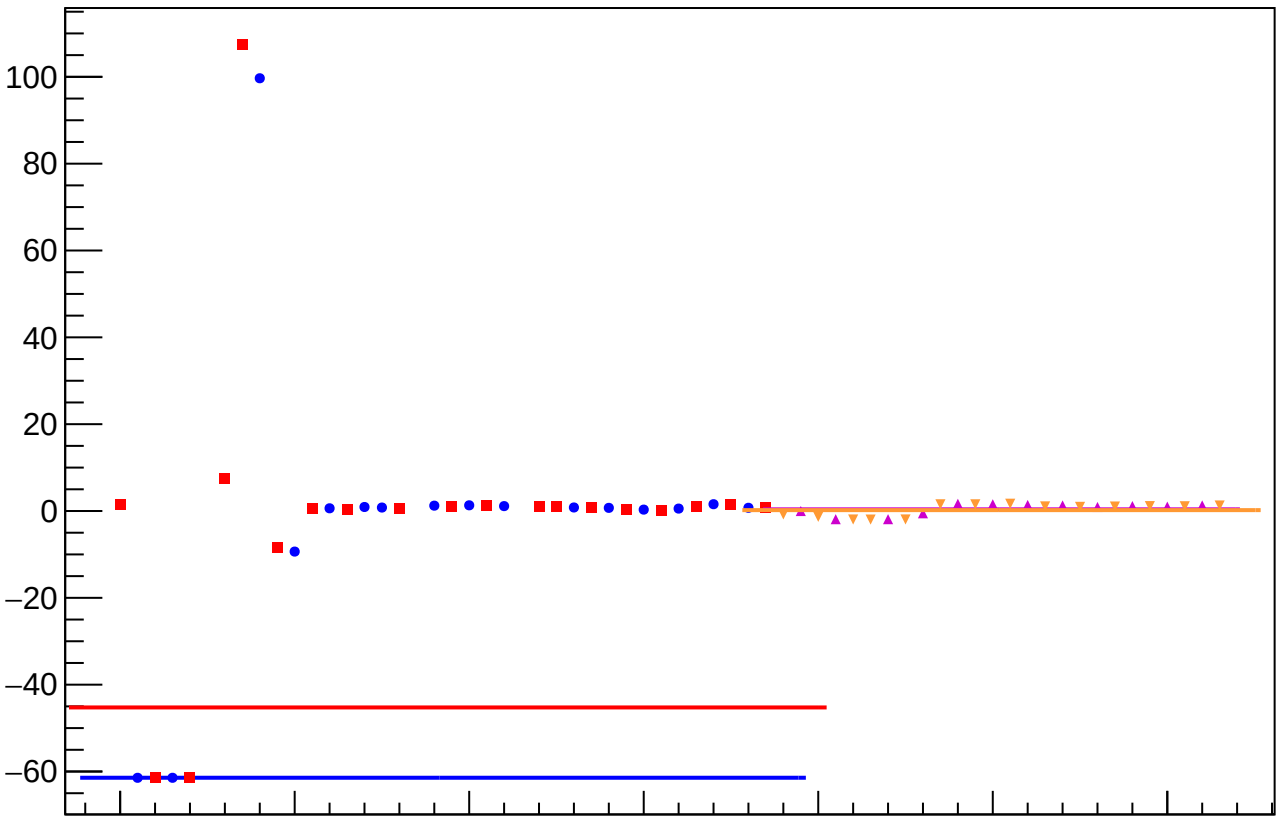
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.380+/-0.000 χ^2/NDF:4394269.4/27

Out: 0.370+/-0.000 χ^2/NDF:4987297.2/32

All: 0.375+/-0.000 χ^2/NDF: 9390760.3/60

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.201+/-0.000 χ^2/NDF:92768246.4/13

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.388+/-0.000 χ^2/NDF:68819485.1/11

Left: 0.288+/-0.000 χ^2/NDF: 162295883.8/25

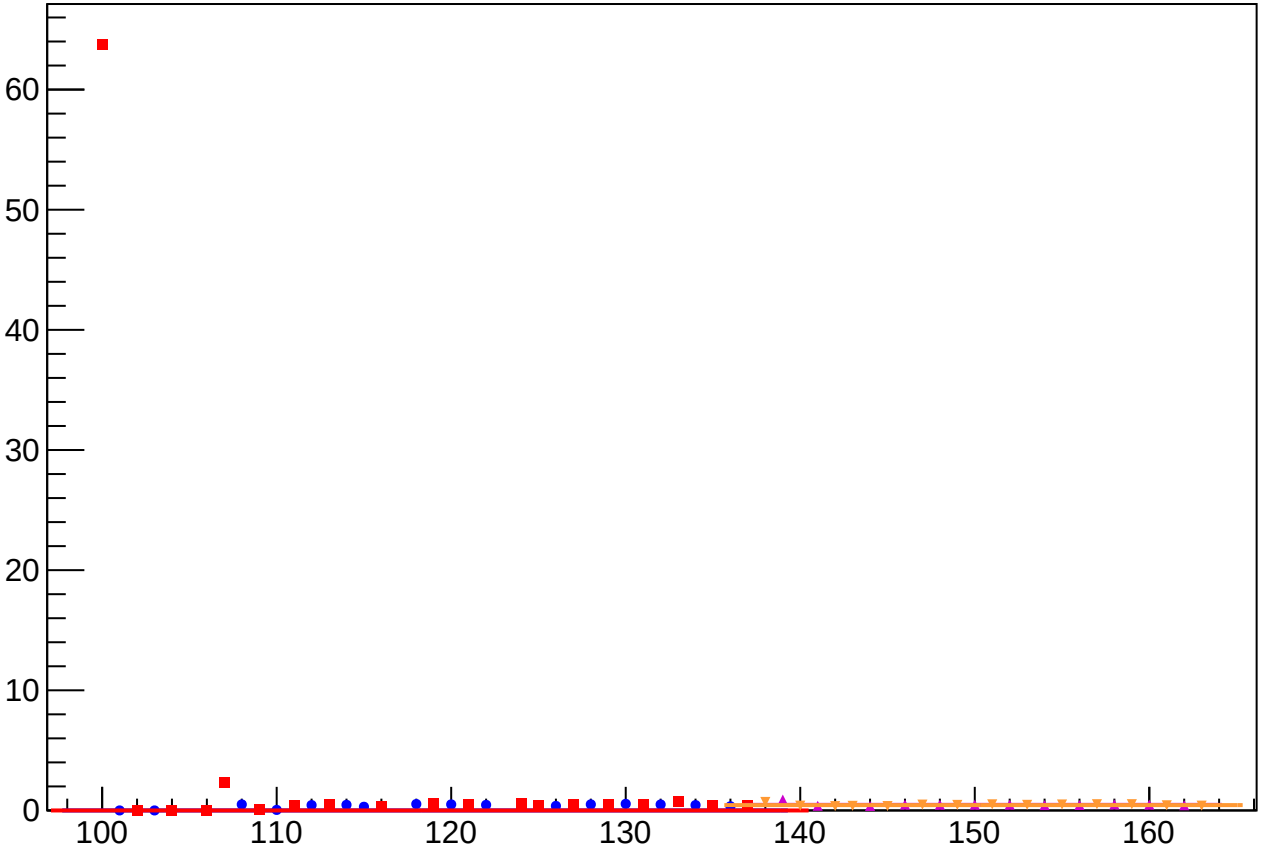
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.430+/-0.000 χ^2/NDF:418689085702.1/27

Out: -45.240+/-0.000 χ^2/NDF:357961375589718.7

All: -52.744+/-0.000 χ^2/NDF: 409352756890

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.446+/-0.000 χ^2/NDF:453027.4/13

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.466+/-0.000 χ^2/NDF:540503.8/11

Left: 0.455+/-0.000 χ^2/NDF: 1009526.9/25

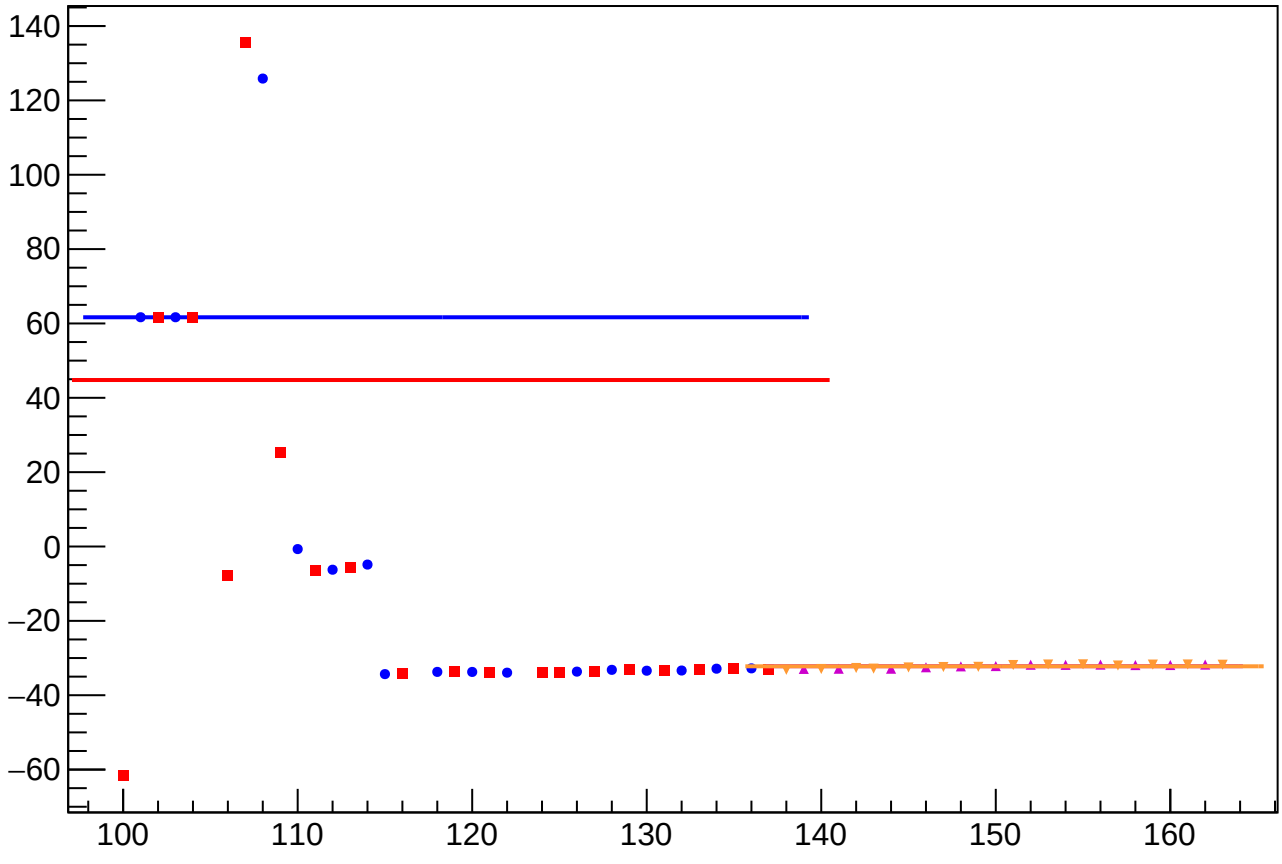
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:26059834.1/27

Out: 0.002+/-0.000 χ^2/NDF:27192052.9/32

All: 0.002+/-0.000 χ^2/NDF: 53251894.4/60

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.220+/-0.000 χ^2/NDF:29609005.3/13

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.191+/-0.000 χ^2/NDF:22649266.5/11

Left: -32.206+/-0.000 χ^2/NDF: 52306779.7/25

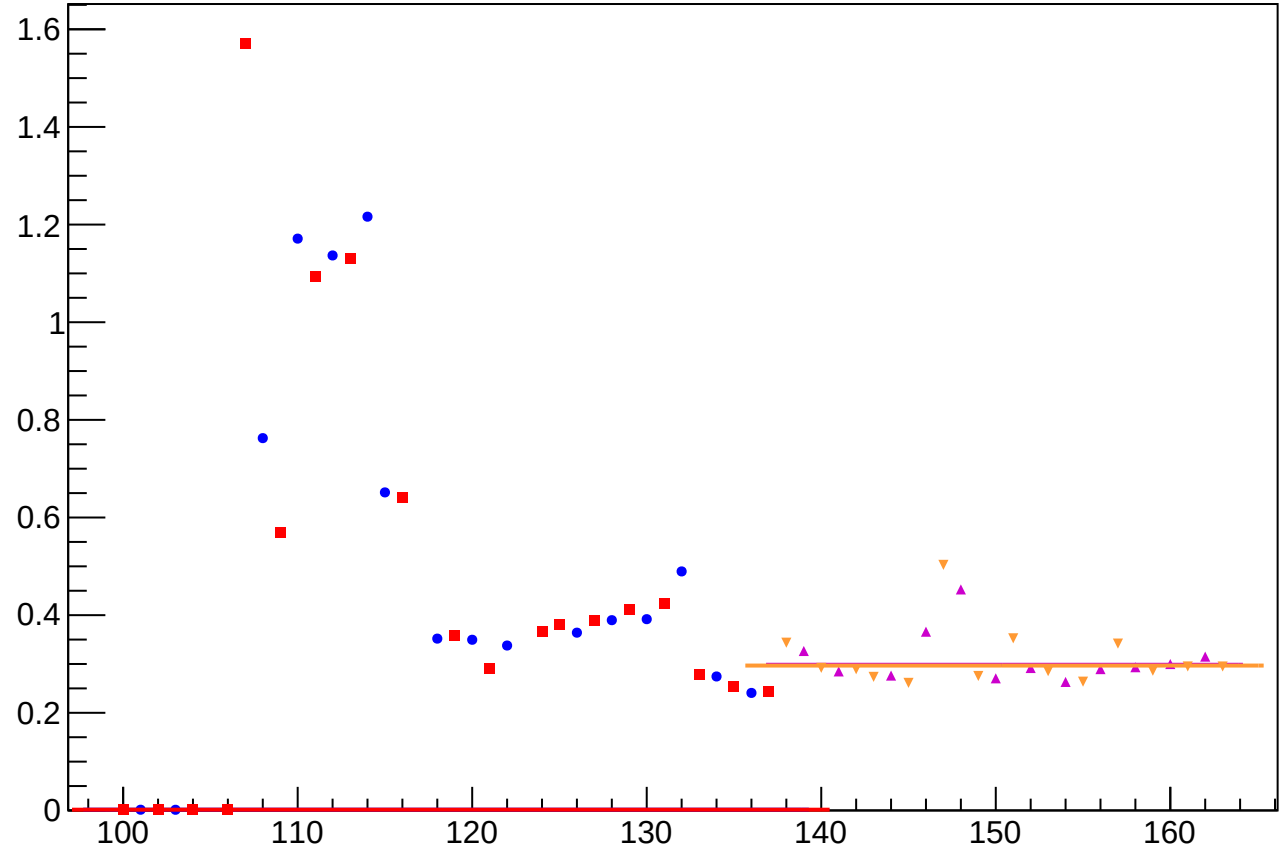
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.631+/-0.000 χ^2/NDF:1338470376111.2/27

Out: 44.762+/-0.000 χ^2/NDF:366803588103224.9

All: 52.662+/-0.000 χ^2/NDF: 4192224132501

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.297+/-0.000 χ^2/NDF:443354.9/13

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.298+/-0.000 χ^2/NDF:323742.2/11

Left: 0.298+/-0.000 χ^2/NDF: 767393.3/25

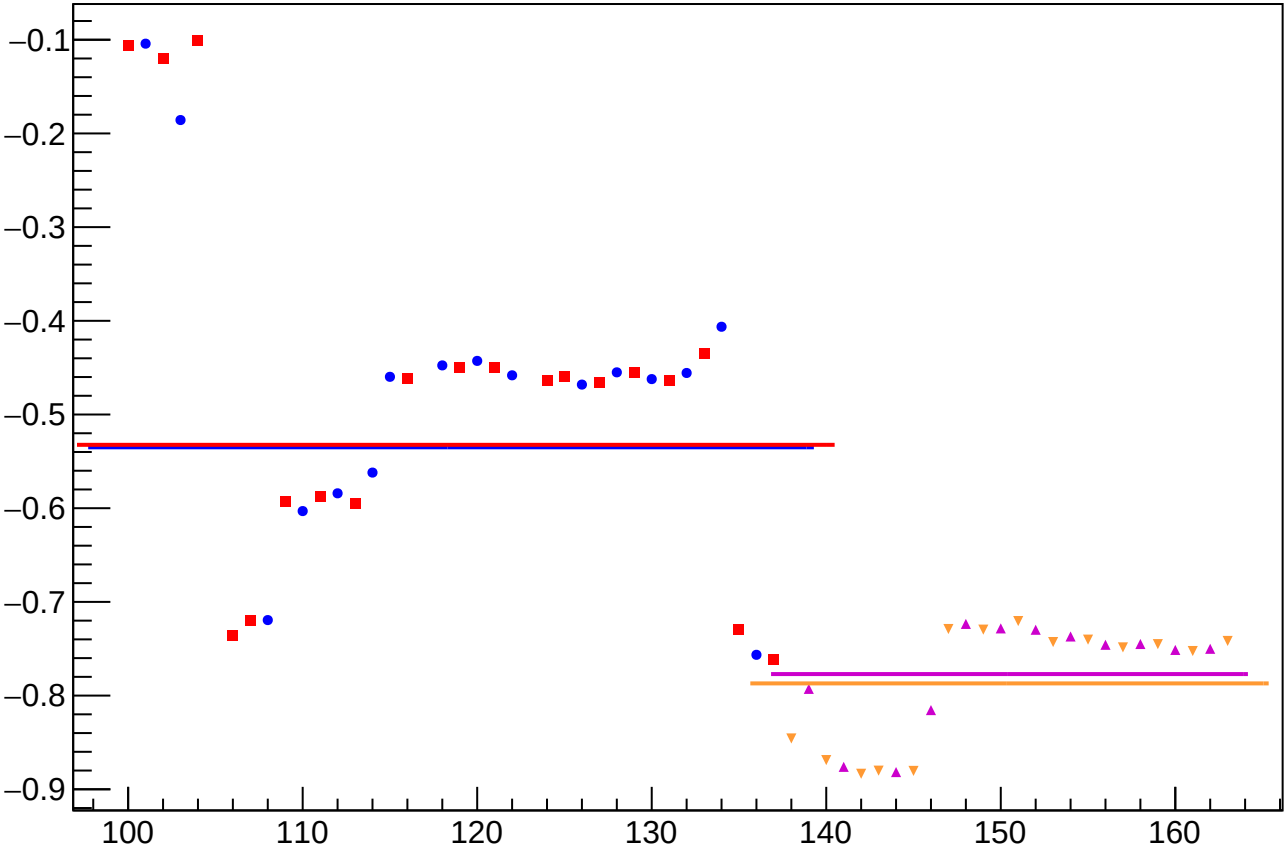
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:30737531.2/27

Out: 0.002+/-0.000 χ^2/NDF:31839433.4/32

All: 0.002+/-0.000 χ^2/NDF: 62577037.2/60

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.787+/-0.000 χ^2/NDF:101468386.9/13

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.777+/-0.000 χ^2/NDF:70759638.5/11

Left: -0.782+/-0.000 χ^2/NDF: 173321527.8/25

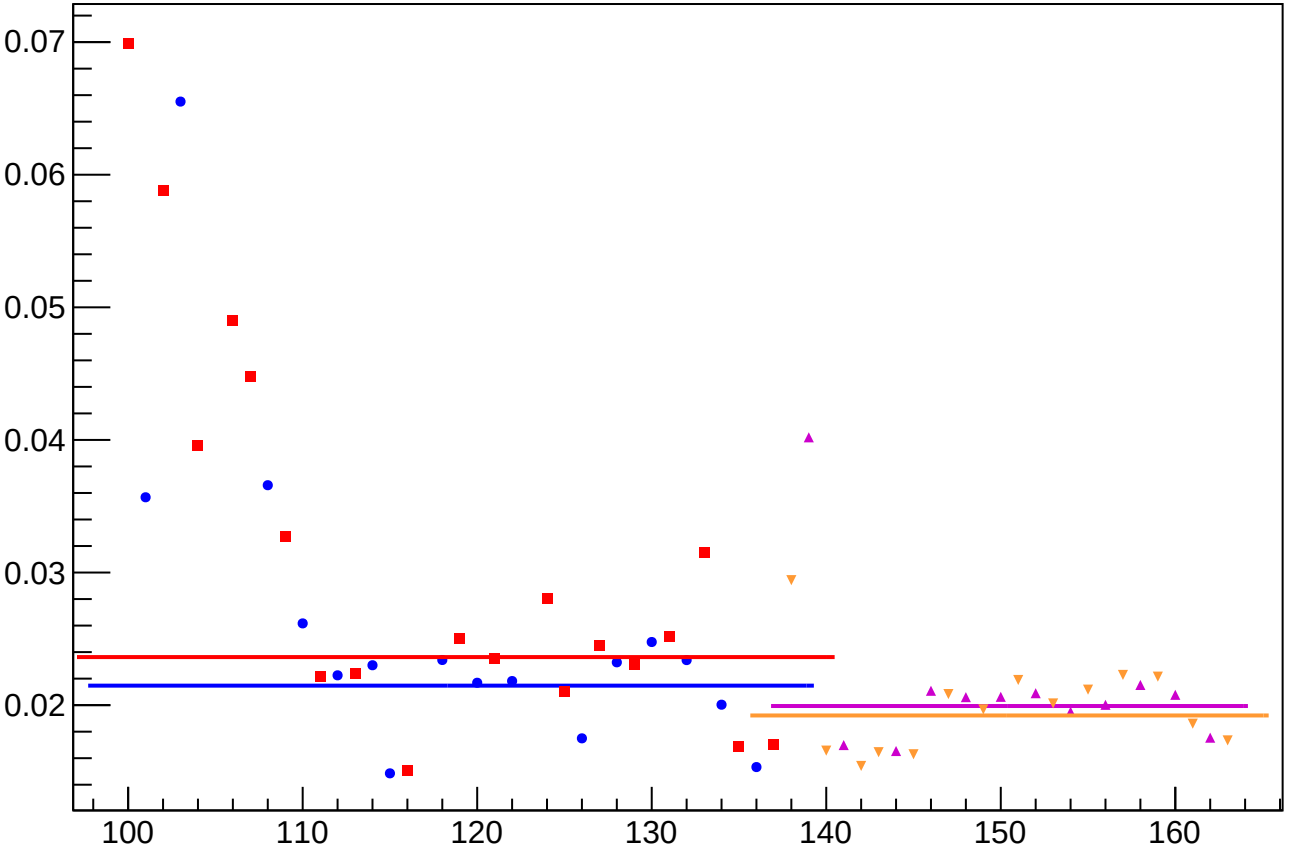
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.690+/-0.000 χ^2/NDF:807093493.2/27

Out: -0.711+/-0.000 χ^2/NDF:771026728.3/32

All: -0.701+/-0.000 χ^2/NDF: 1585757984.8/6

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:404120.0/13

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:565535.6/11

Left: 0.020+/-0.000 χ^2/NDF: 980828.6/25

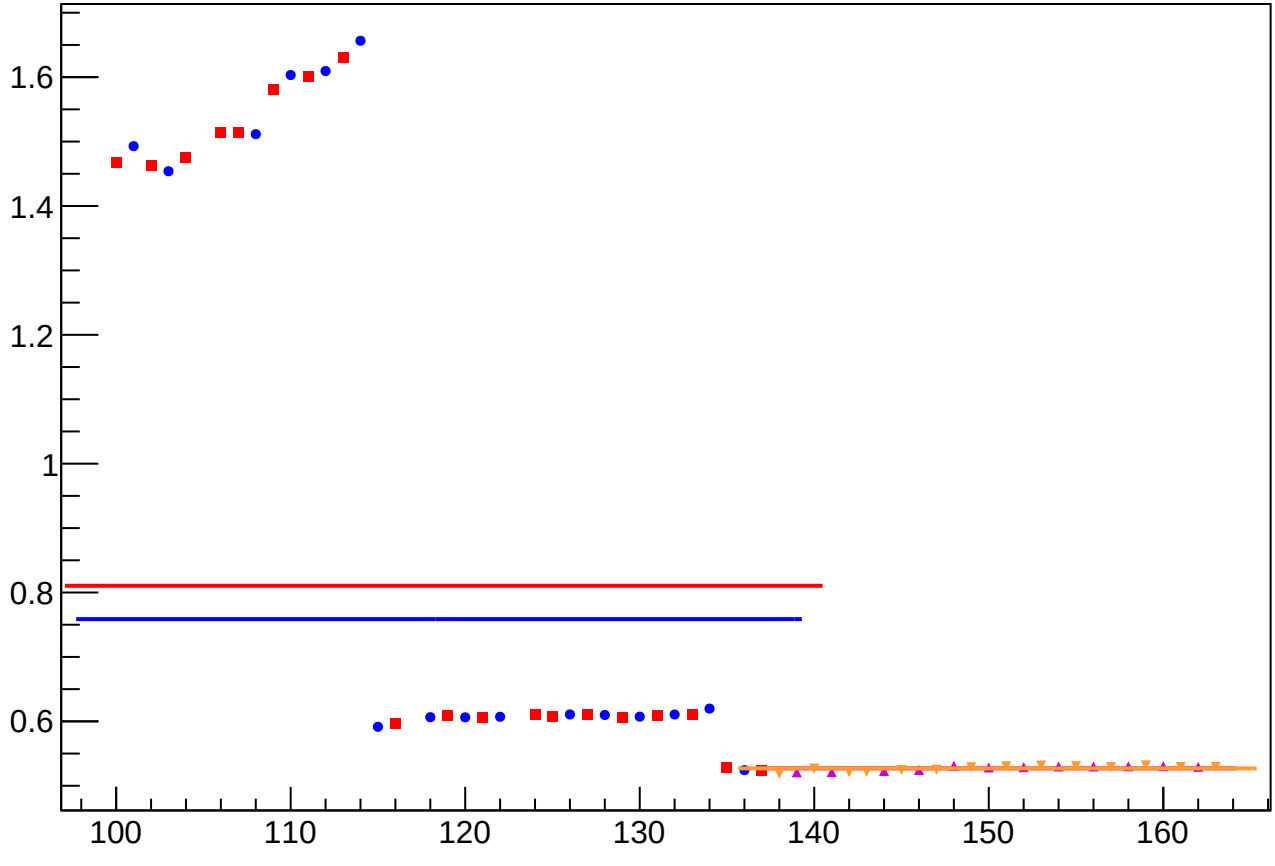
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1754637.1/27

Out: 0.021+/-0.000 χ^2/NDF:1953674.7/32

All: 0.021+/-0.000 χ^2/NDF: 3708370.7/60

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.527+/-0.000 χ^2/NDF:1149077.4/13

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.527+/-0.000 χ^2/NDF:907612.2/11

Left: 0.527+/-0.000 χ^2/NDF: 2056703.4/25

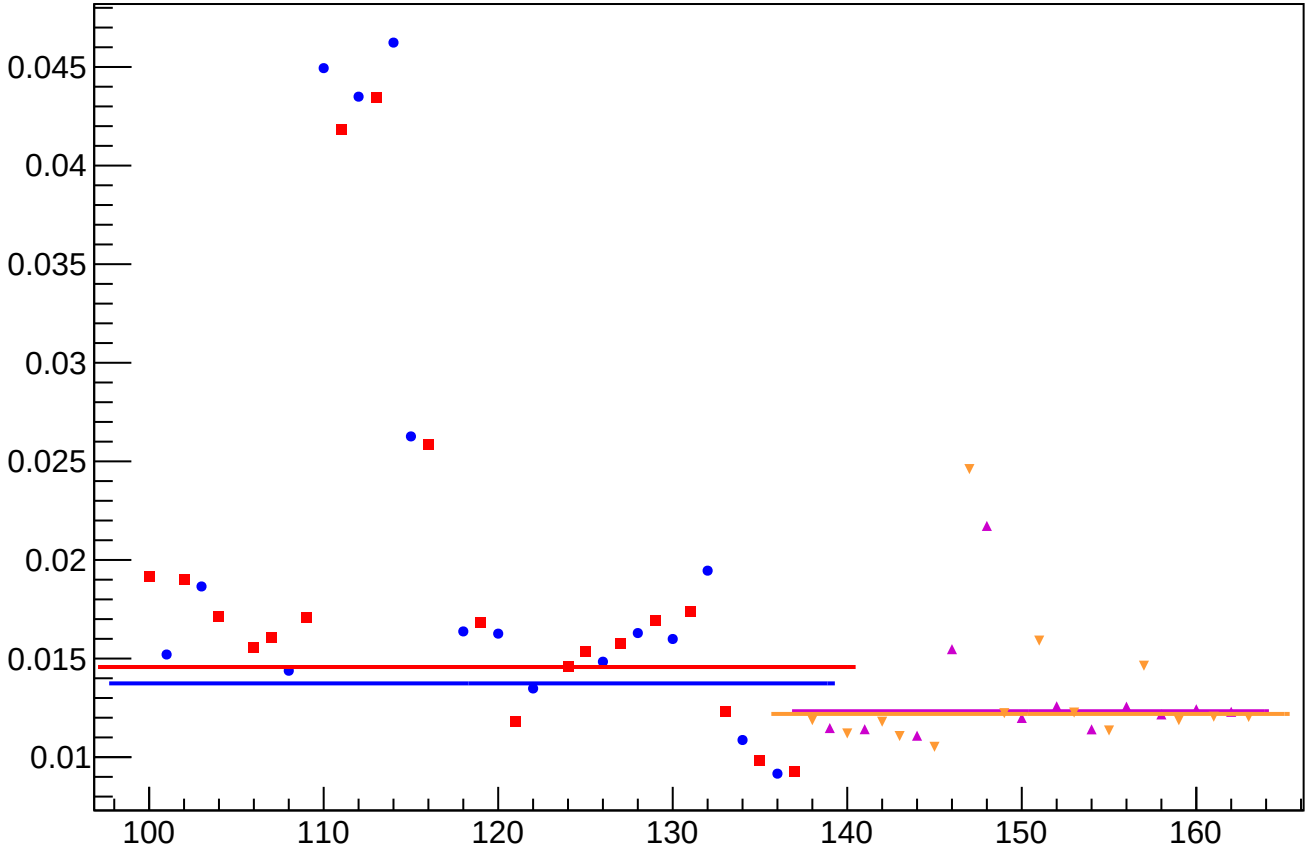
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.603+/-0.000 χ^2/NDF:5441748808.2/27

Out: 0.610+/-0.000 χ^2/NDF:6437945008.5/32

All: 0.607+/-0.000 χ^2/NDF: 11882176989.2/6

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:613808.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:416353.1/11

Left: 0.012+/-0.000 χ^2/NDF: 1031416.9/25

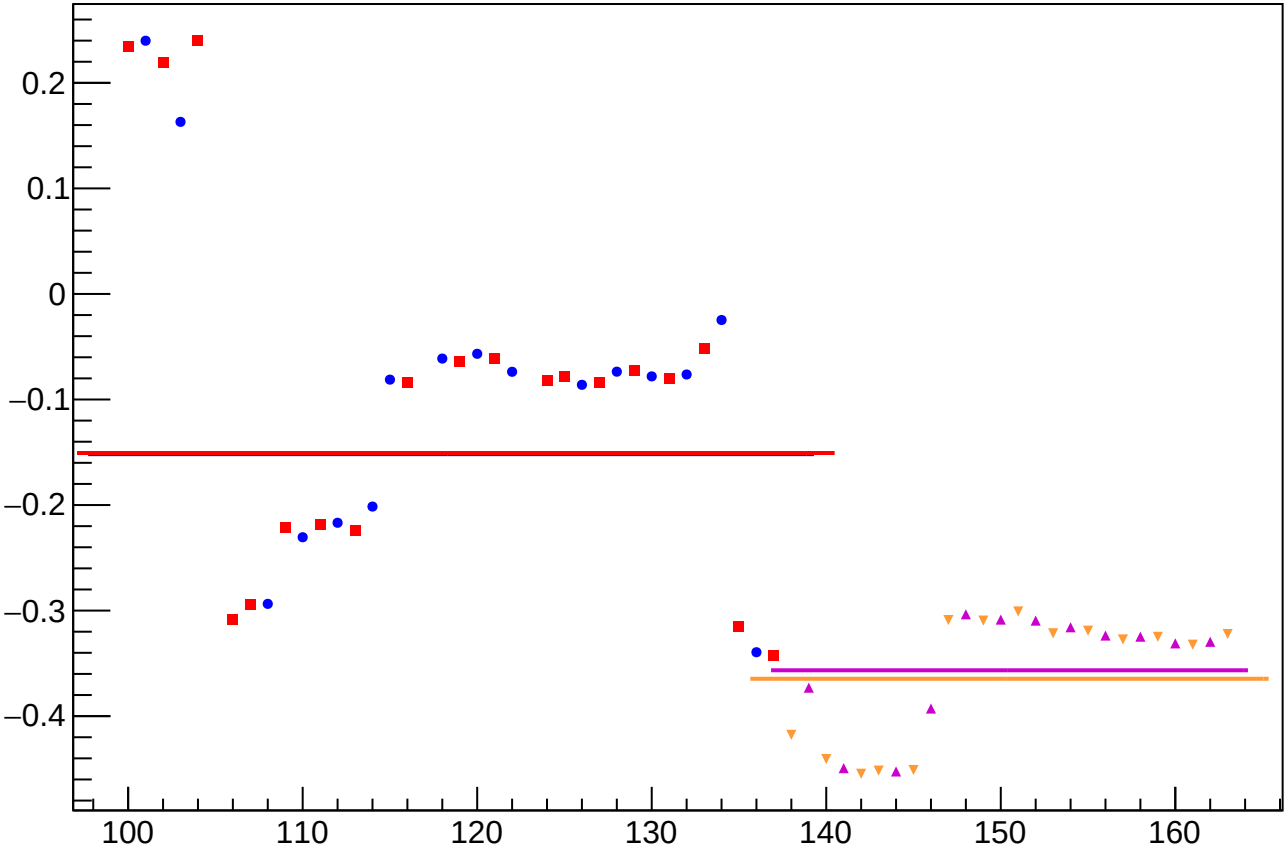
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2150554.9/27

Out: 0.013+/-0.000 χ^2/NDF:2303800.0/32

All: 0.013+/-0.000 χ^2/NDF: 4455304.5/60

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:98582993.6/13

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.357+/-0.000 χ^2/NDF:71715817.7/11

Left: -0.361+/-0.000 χ^2/NDF: 171065170.0/25

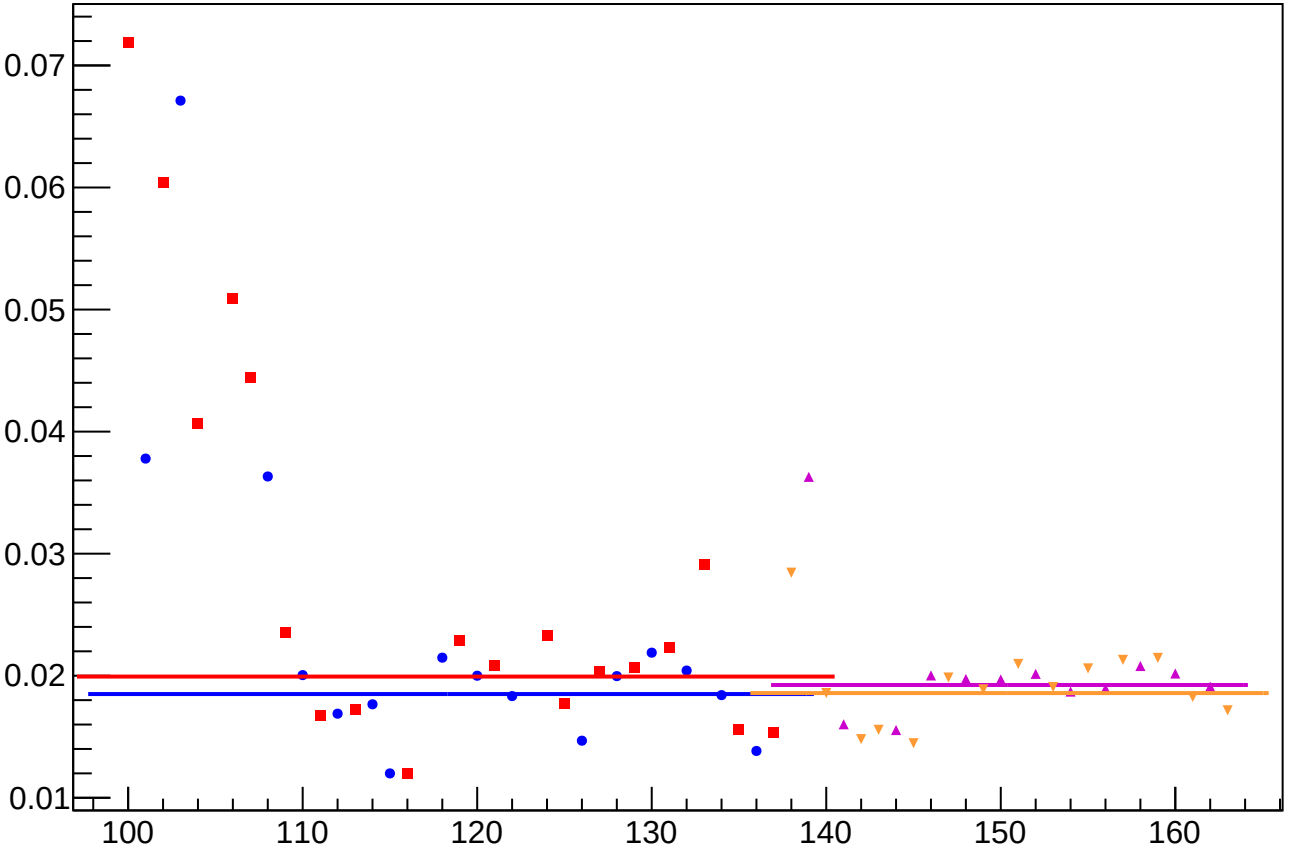
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.273+/-0.000 χ^2/NDF:731070404.8/27

Out: -0.290+/-0.000 χ^2/NDF:706251984.1/32

All: -0.282+/-0.000 χ^2/NDF: 1442841641.4/6

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.019+/-0.000 χ^2/NDF:433509.1/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:516307.9/11

Left: 0.019+/-0.000 χ^2/NDF: 960307.0/25

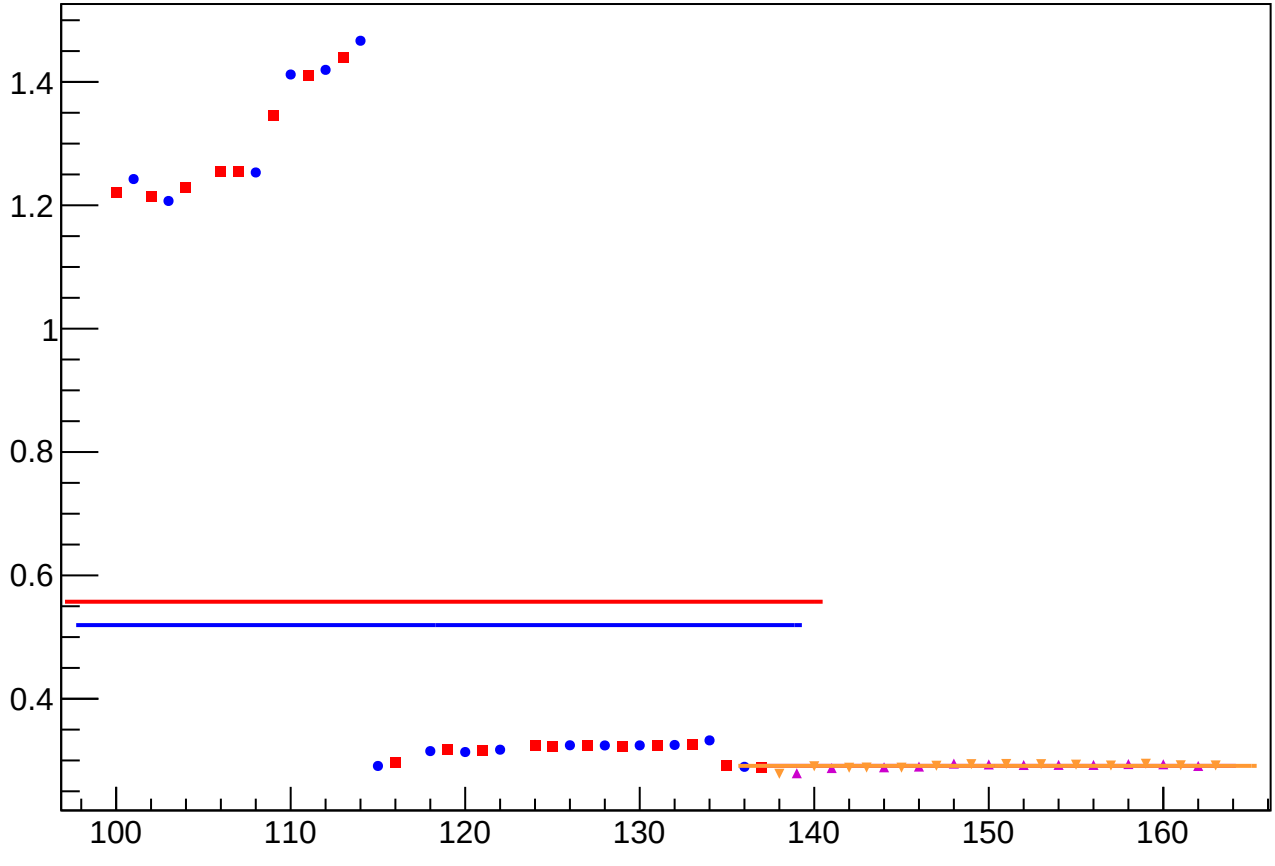
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1898742.4/27

Out: 0.019+/-0.000 χ^2/NDF:2013739.7/32

All: 0.019+/-0.000 χ^2/NDF: 3912966.3/60

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.291+/-0.000 χ^2/NDF:1134643.7/13

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1167471.1/11

Left: 0.291+/-0.000 χ^2/NDF: 2302145.1/25

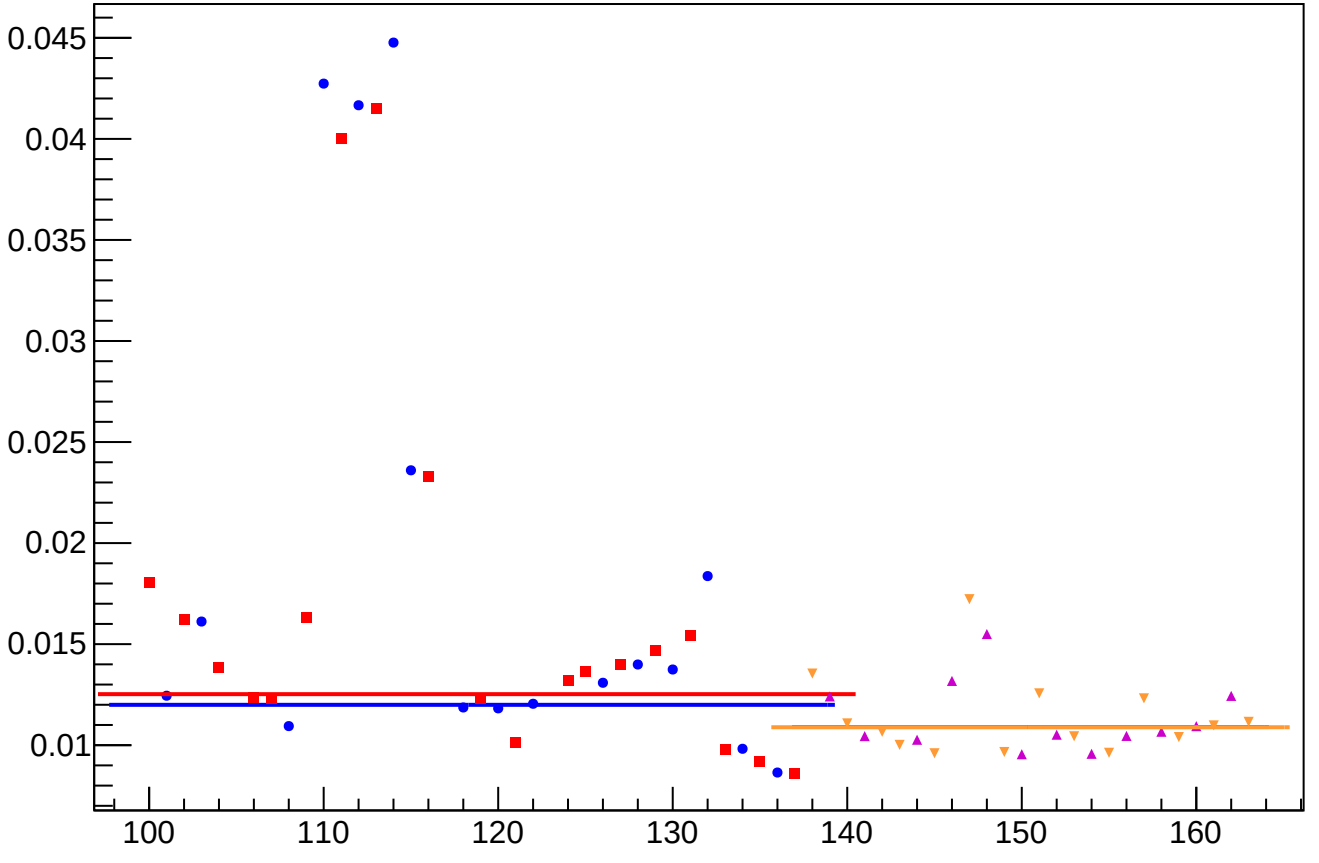
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.367+/-0.000 χ^2/NDF:7756242148.9/27

Out: 0.373+/-0.000 χ^2/NDF:8666700458.0/32

All: 0.370+/-0.000 χ^2/NDF: 16424534280.1/6

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:424821.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:321108.6/11

Left: 0.011+/-0.000 χ^2/NDF: 745940.9/25

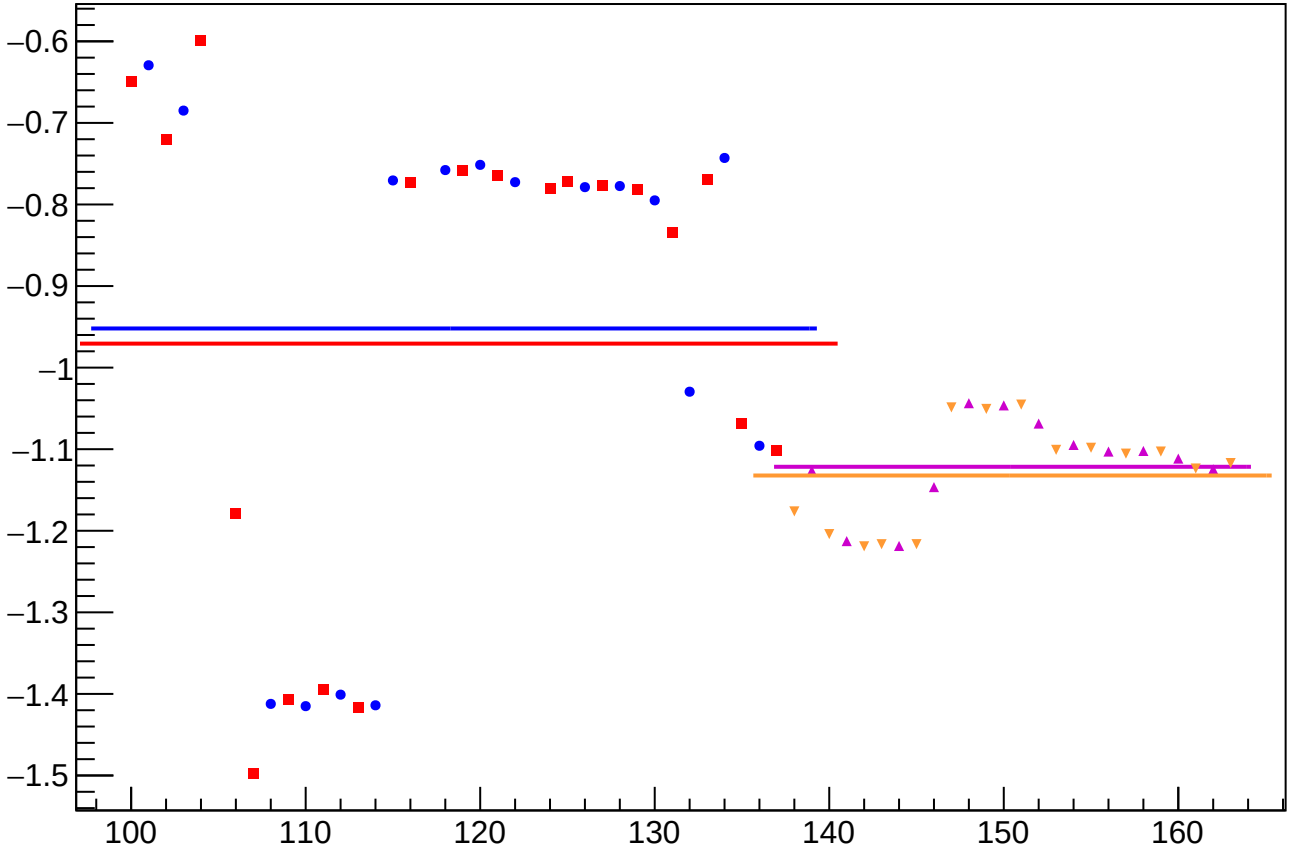
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1879270.3/27

Out: 0.011+/-0.000 χ^2/NDF:2004480.0/32

All: 0.011+/-0.000 χ^2/NDF: 3885621.7/60

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.132+/-0.000 χ^2/NDF:96872249.2/13

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.122+/-0.000 χ^2/NDF:71357511.6/11

Left: -1.127+/-0.000 χ^2/NDF: 169551975.4/25

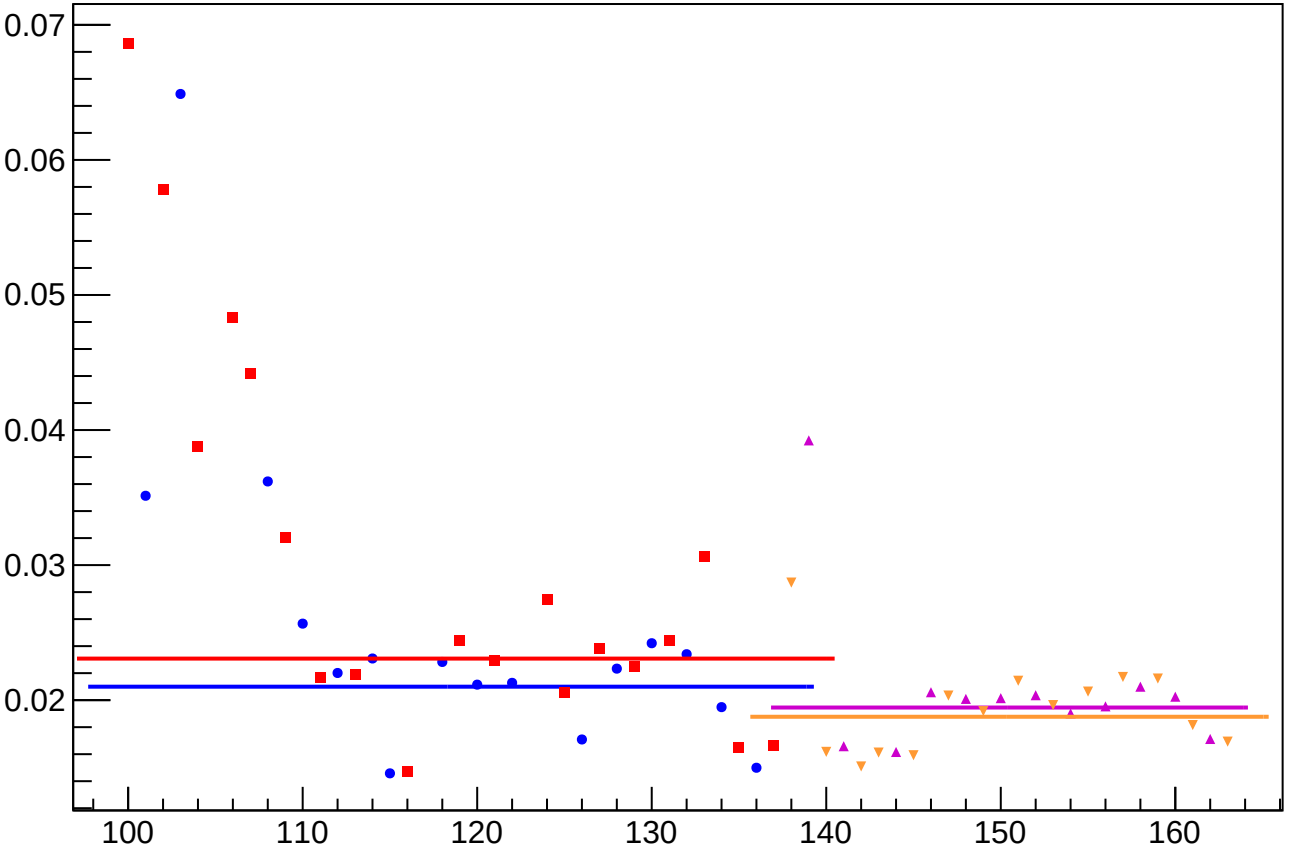
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.061+/-0.000 χ^2/NDF:994479030.5/27

Out: -1.084+/-0.000 χ^2/NDF:1003372664.0/32

All: -1.073+/-0.000 χ^2/NDF: 2007538406.6/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:400674.0/13

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:564346.0/11

Left: 0.019+/-0.000 χ^2/NDF: 975831.8/25

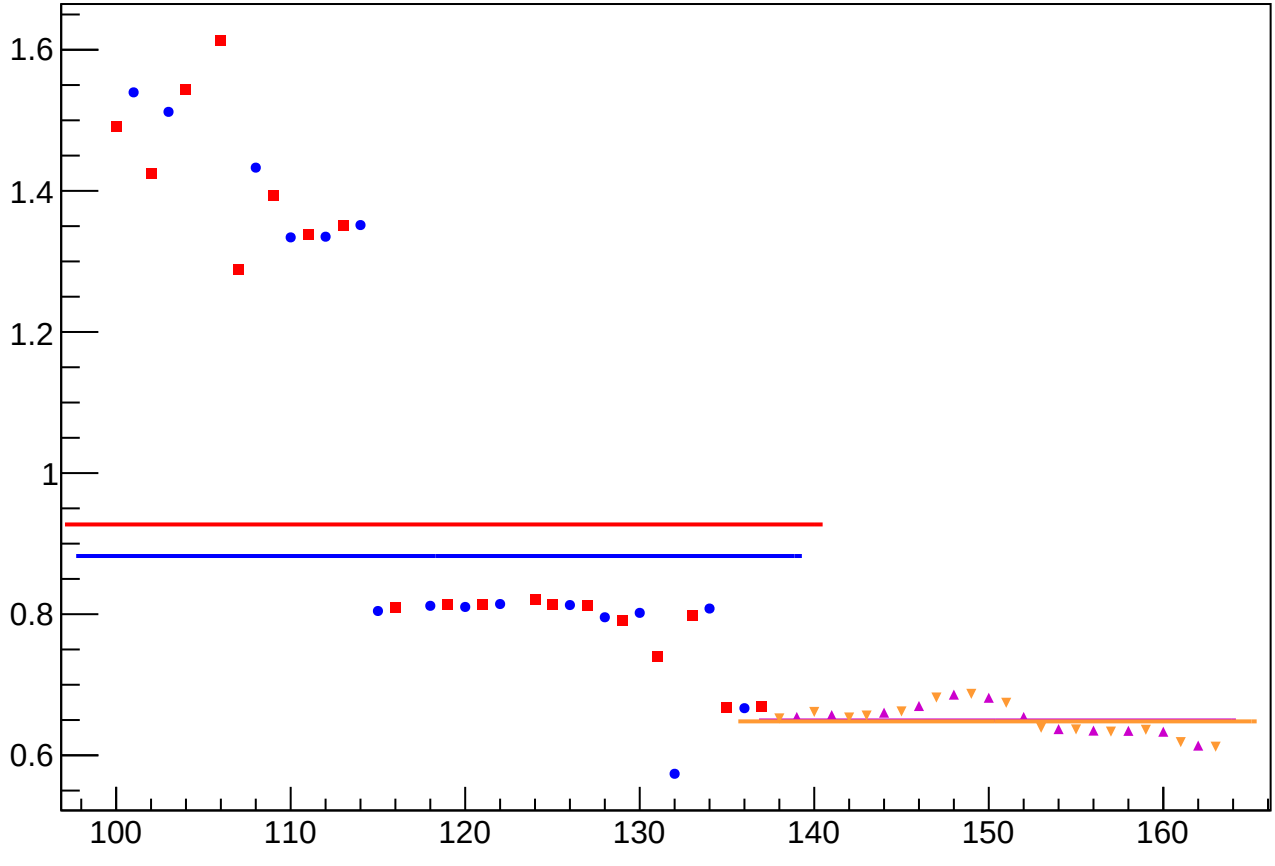
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1768394.7/27

Out: 0.020+/-0.000 χ^2/NDF:1954515.0/32

All: 0.020+/-0.000 χ^2/NDF: 3722959.0/60

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.648+/-0.000 χ^2/NDF:30088304.3/13

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.649+/-0.000 χ^2/NDF:22765095.3/11

Left: 0.649+/-0.000 χ^2/NDF: 52910974.8/25

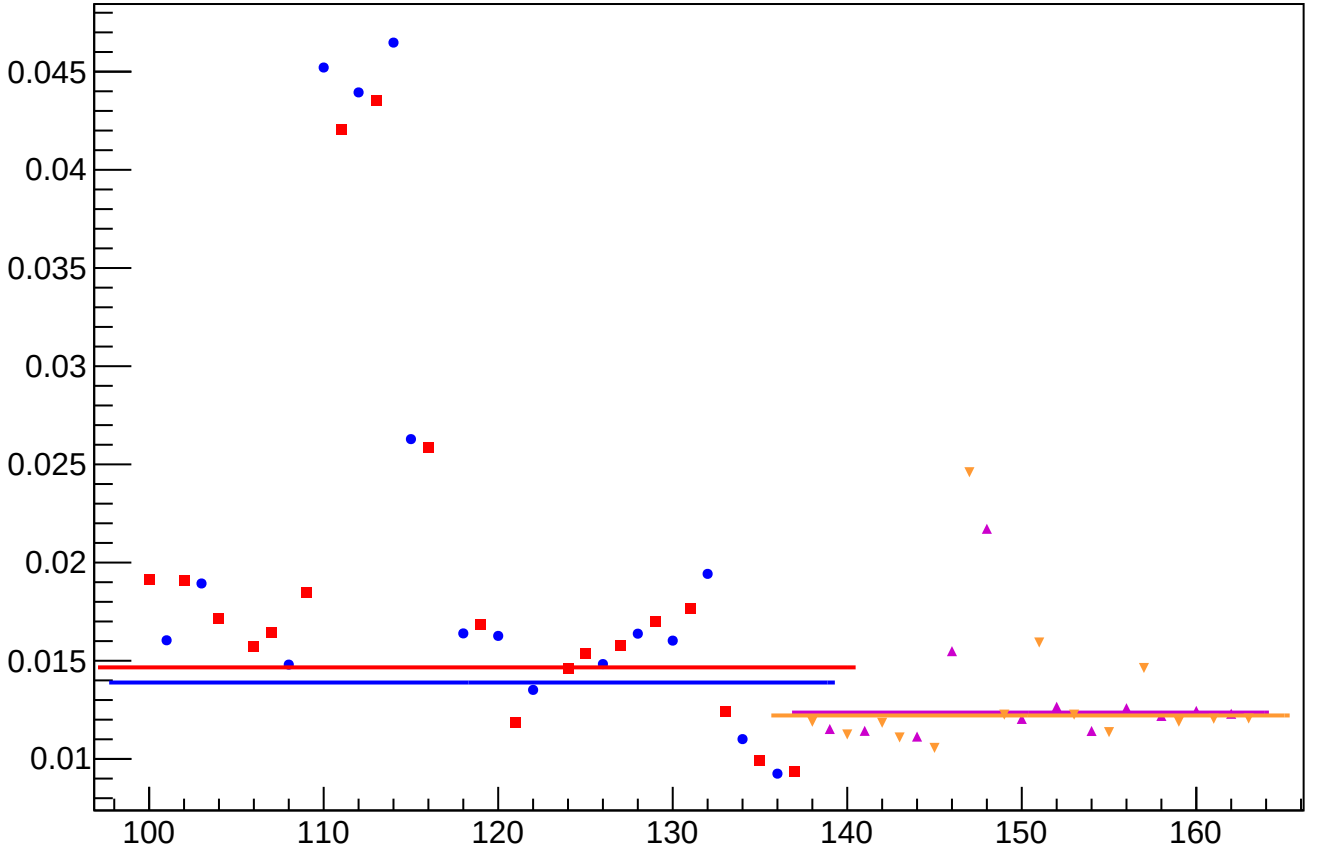
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.725+/-0.000 χ^2/NDF:3935042336.3/27

Out: 0.729+/-0.000 χ^2/NDF:4387875731.0/32

All: 0.727+/-0.000 χ^2/NDF: 8323831301.0/60

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:608689.8/13

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:412799.3/11

Left: 0.012+/-0.000 χ^2/NDF: 1022938.3/25

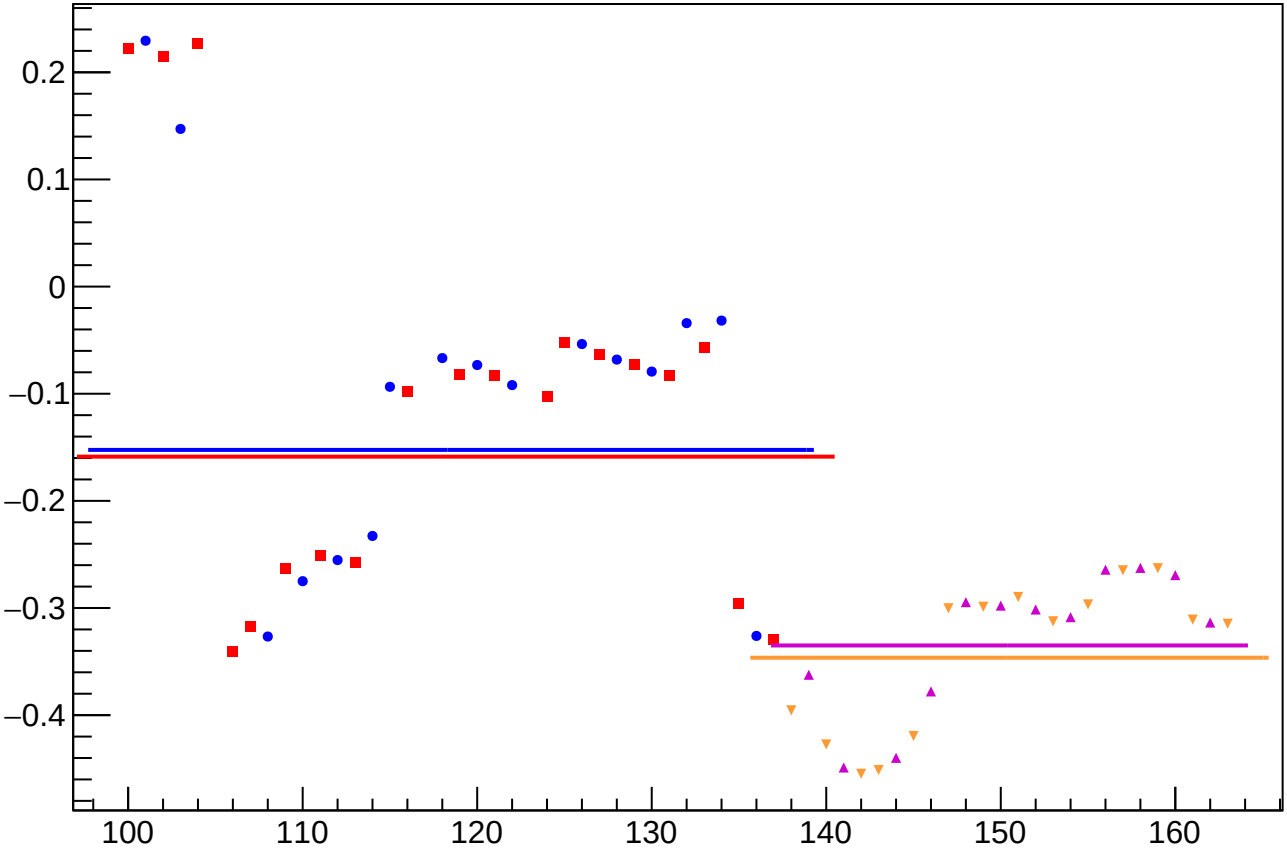
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2156771.7/27

Out: 0.013+/-0.000 χ^2/NDF:2321165.8/32

All: 0.013+/-0.000 χ^2/NDF: 4478401.1/60

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.346+/-0.000 χ^2/NDF:117318495.5/13

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.335+/-0.000 χ^2/NDF:100276096.6/11

Left: -0.341+/-0.000 χ^2/NDF: 219140139.5/25

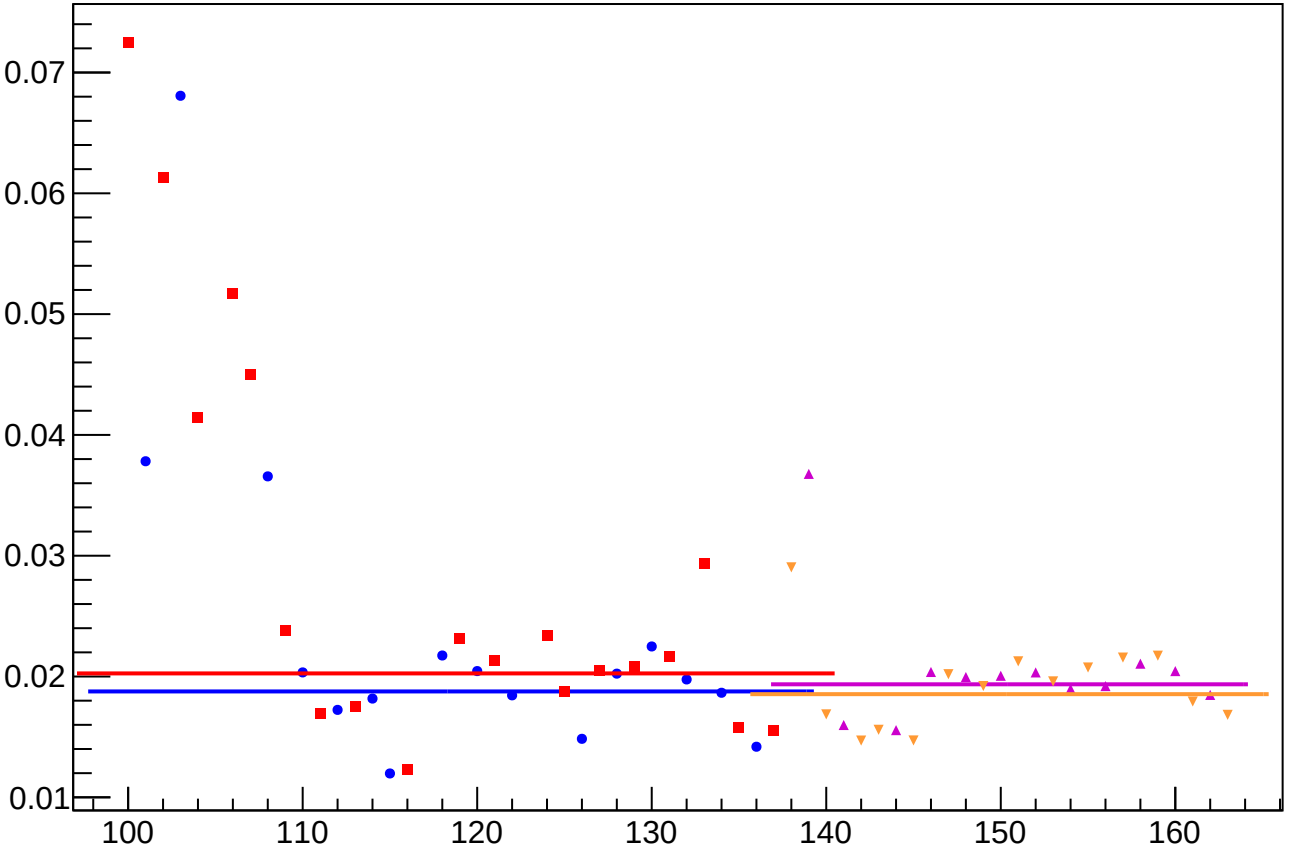
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.261+/-0.000 χ^2/NDF:671806711.8/27

Out: -0.282+/-0.000 χ^2/NDF:620400142.9/32

All: -0.272+/-0.000 χ^2/NDF: 1300688166.3/6

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.019+/-0.000 χ^2/NDF:477335.2/13

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:538265.9/11

Left: 0.019+/-0.000 χ^2/NDF: 1031361.1/25

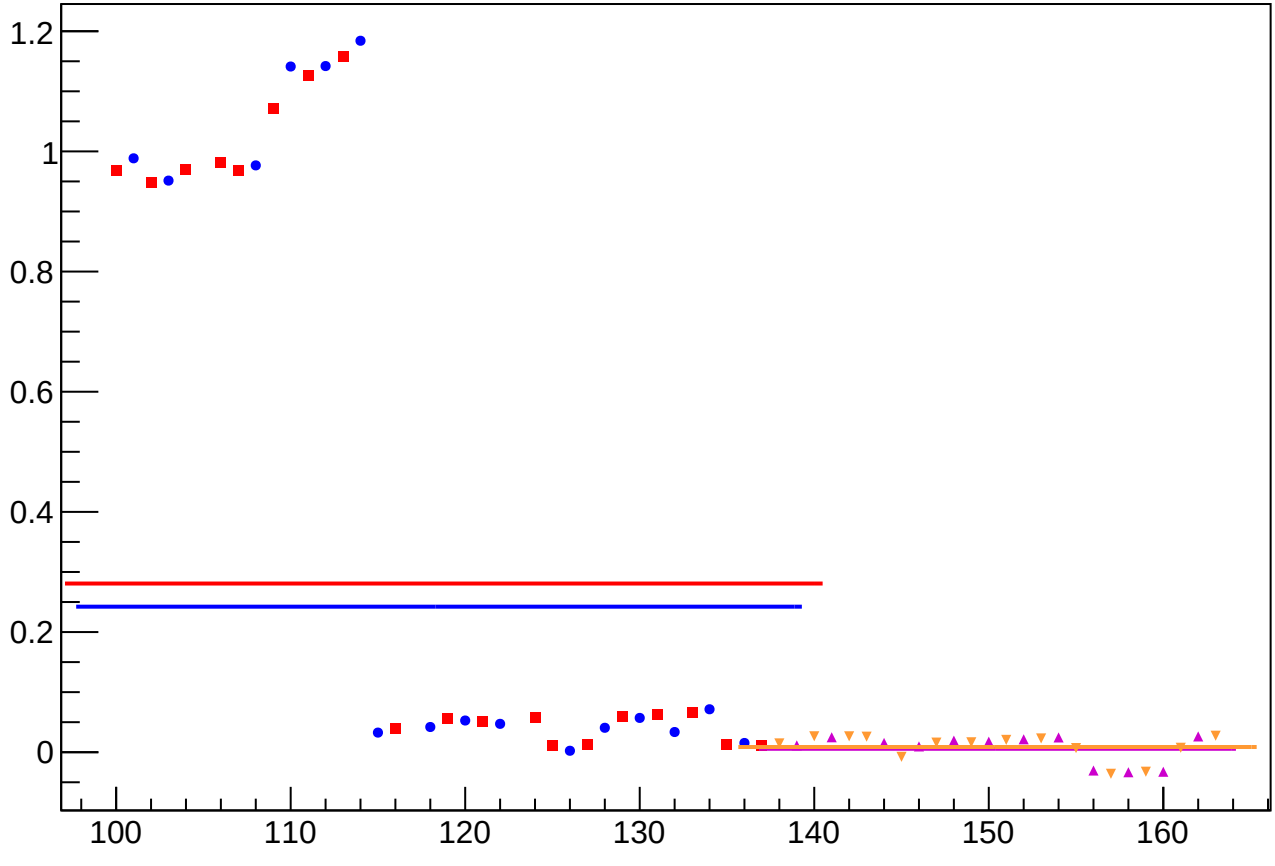
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1893912.1/27

Out: 0.019+/-0.000 χ^2/NDF:2058458.3/32

All: 0.019+/-0.000 χ^2/NDF: 3952374.6/60

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:38031951.2/13

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.006+/-0.000 χ^2/NDF:45880801.5/11

Left: 0.007+/-0.000 χ^2/NDF: 84300547.3/25

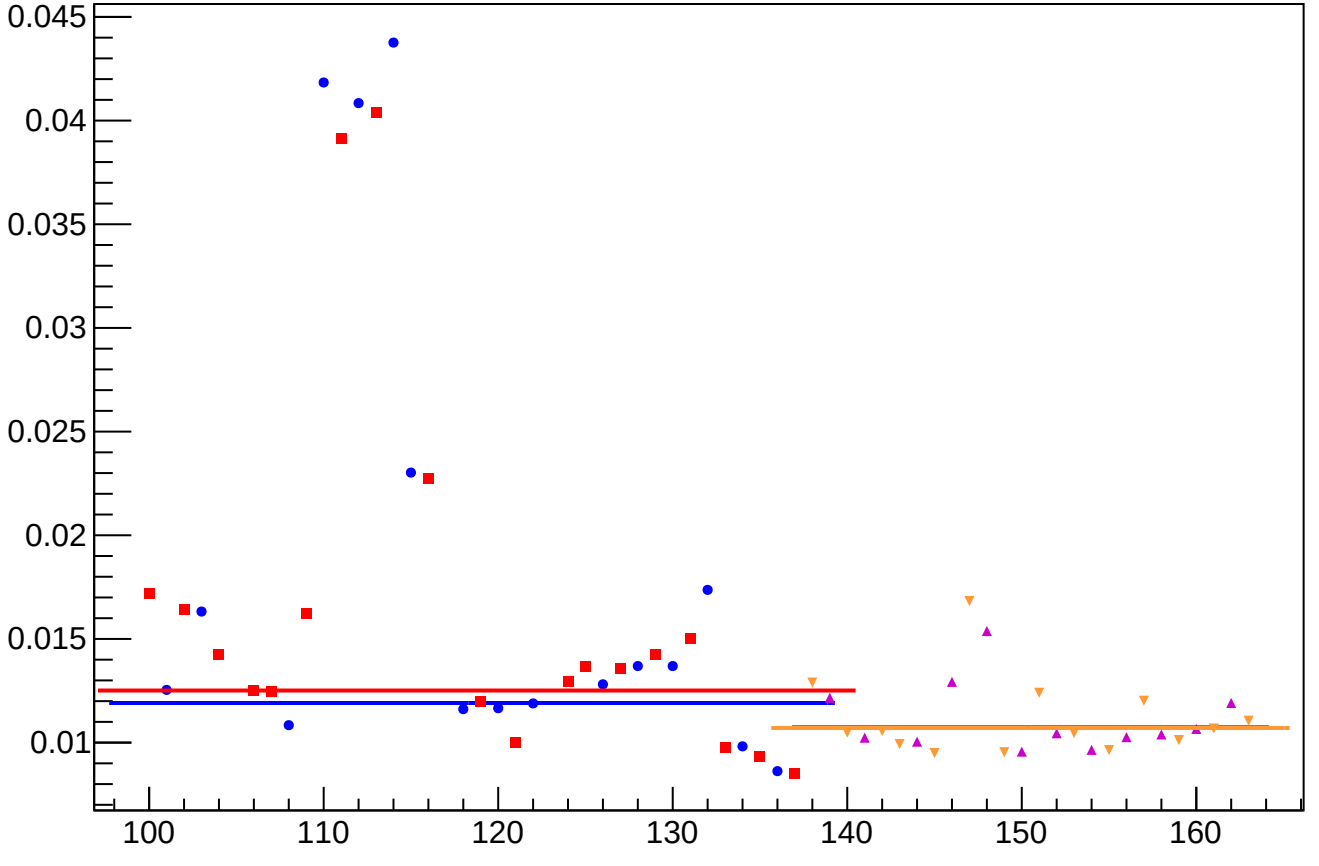
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.084+/-0.000 χ^2/NDF:8128330627.3/27

Out: 0.090+/-0.000 χ^2/NDF:8829320881.9/32

All: 0.087+/-0.000 χ^2/NDF: 16959871639.0/6

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:390463.5/13

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:297442.0/11

Left: 0.011+/-0.000 χ^2/NDF: 688011.3/25

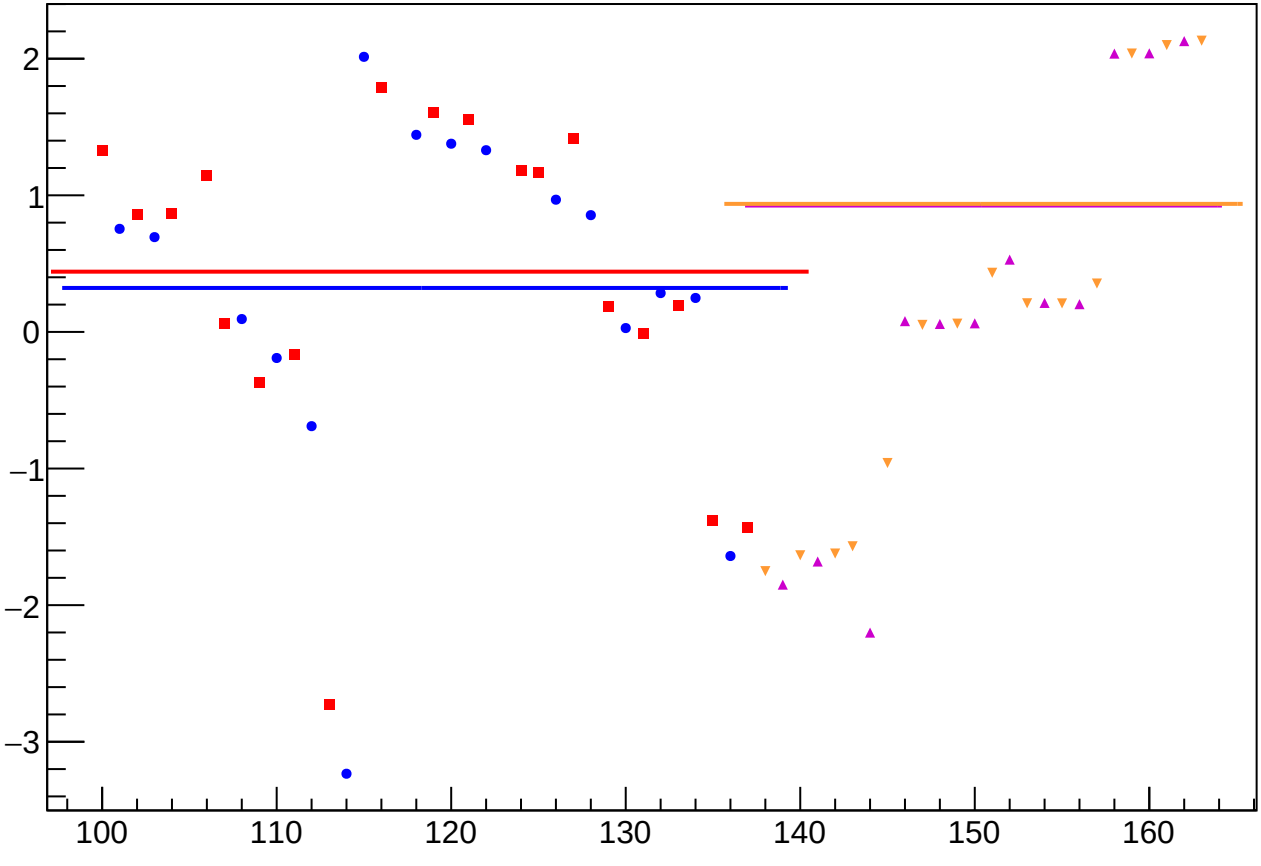
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1833894.2/27

Out: 0.011+/-0.000 χ^2/NDF:1962232.4/32

All: 0.011+/-0.000 χ^2/NDF: 3797909.1/60

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.937+/-0.000 χ^2/NDF:26828032508.4/13

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.925+/-0.000 χ^2/NDF:28909845747.1/11

Left: 0.931+/-0.000 χ^2/NDF: 55740029011.8/25

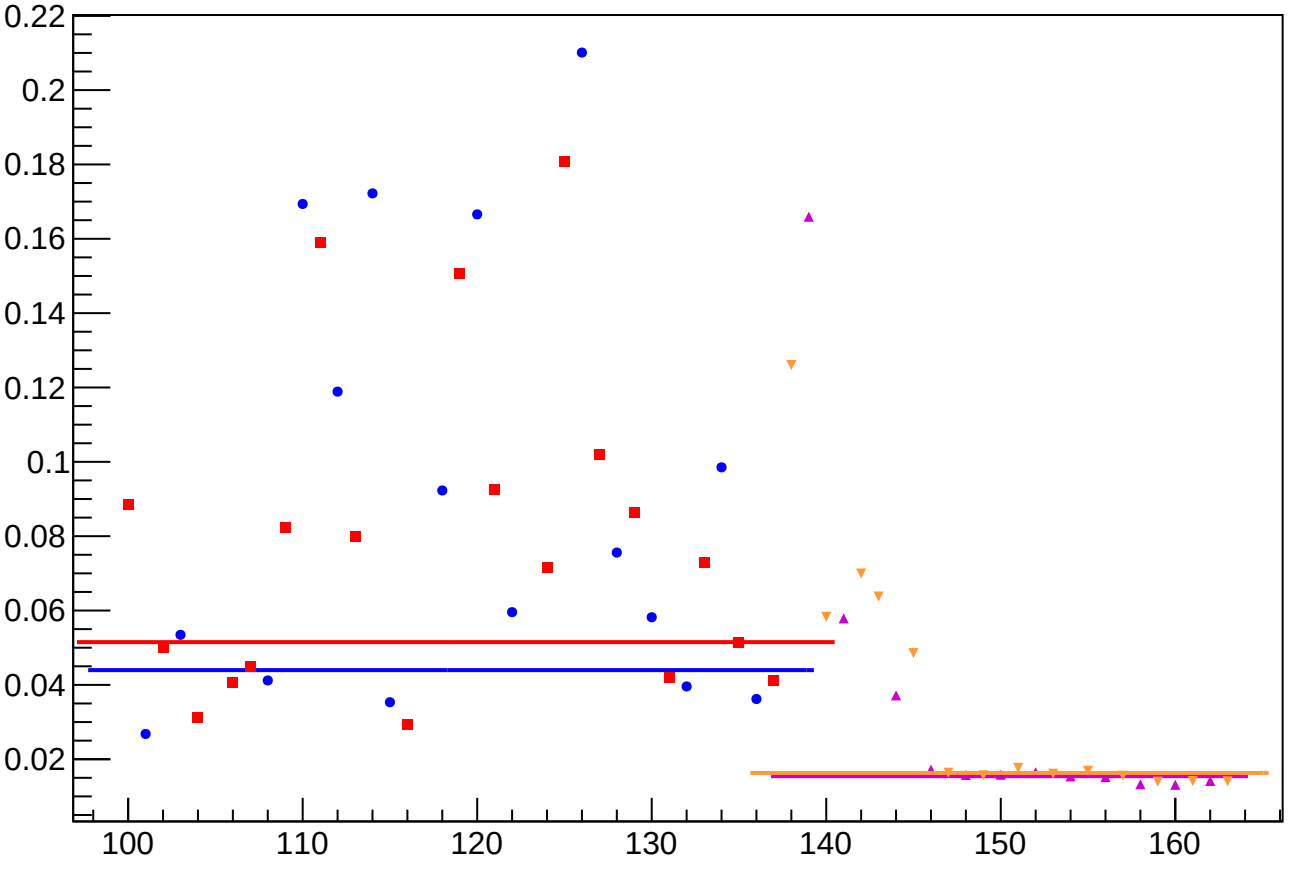
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.887+/-0.000 χ^2/NDF:31251748427.0/27

Out: 0.910+/-0.000 χ^2/NDF:29007518879.3/32

All: 0.898+/-0.000 χ^2/NDF: 60266985308.0/6

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:2872306.8/13

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2126990.1/11

Left: 0.016+/-0.000 χ^2/NDF: 5021451.2/25

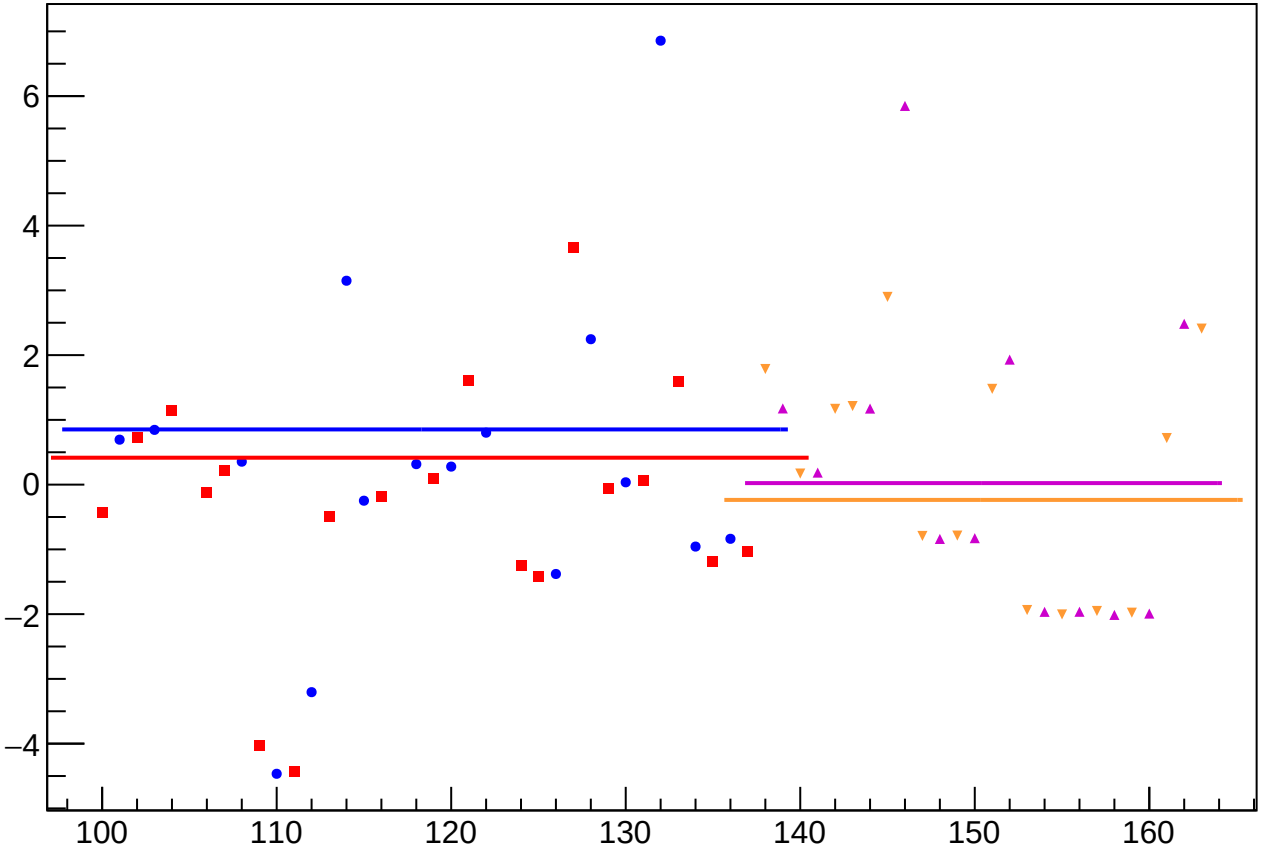
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:7944060.1/27

Out: 0.018+/-0.000 χ^2/NDF:9090127.3/32

All: 0.018+/-0.000 χ^2/NDF: 17067509.5/60

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: -0.236+/-0.000 χ^2/NDF:147715001028.7/13

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.024+/-0.000 χ^2/NDF:294623910002.1/11

Left: -0.105+/-0.000 χ^2/NDF: 443792940473.8/25

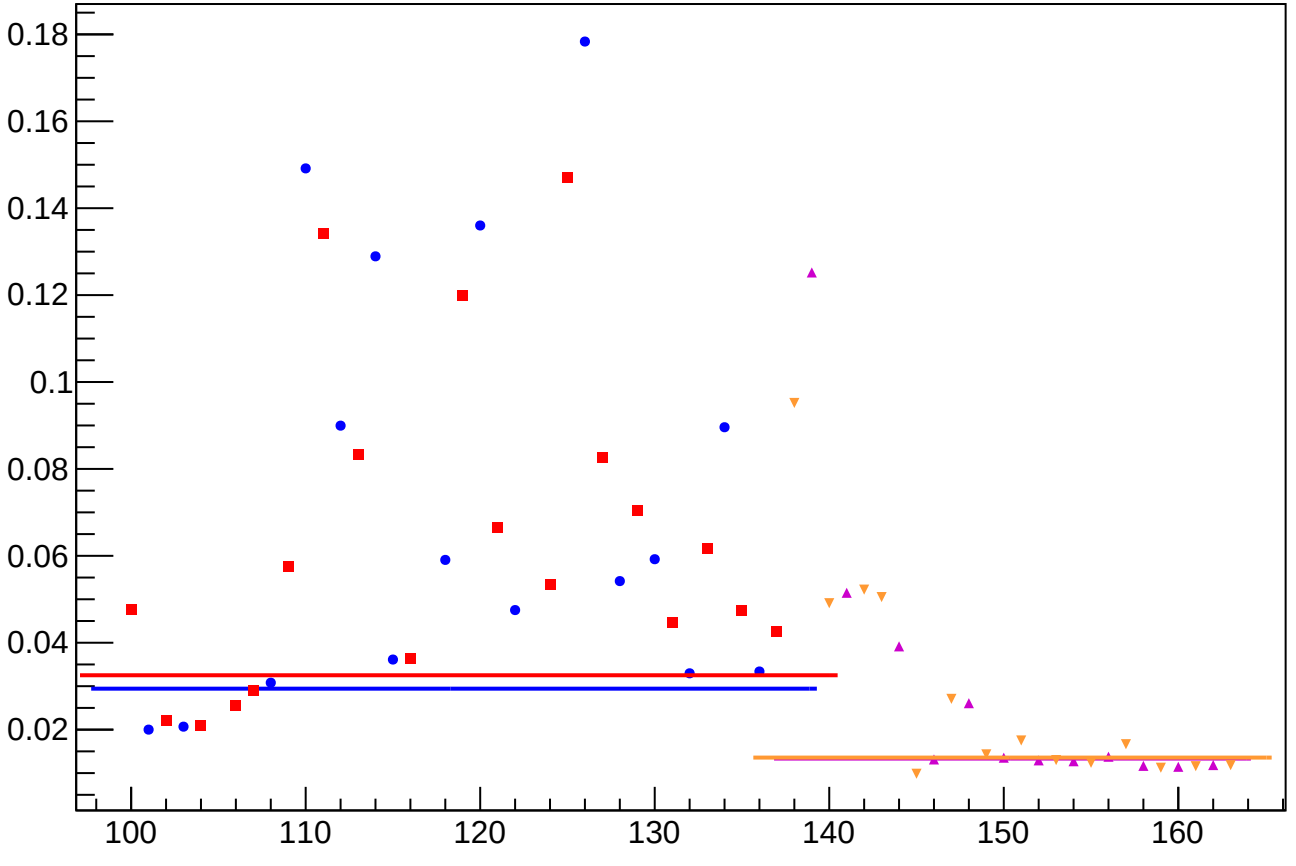
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.098+/-0.000 χ^2/NDF:308865171425.2/27

Out: -0.182+/-0.000 χ^2/NDF:154356370055.4/32

All: -0.040+/-0.000 χ^2/NDF: 465060677294.6

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.014+/-0.000 χ^2/NDF:3020424.8/13

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2615269.8/11

Left: 0.013+/-0.000 χ^2/NDF: 5637996.3/25

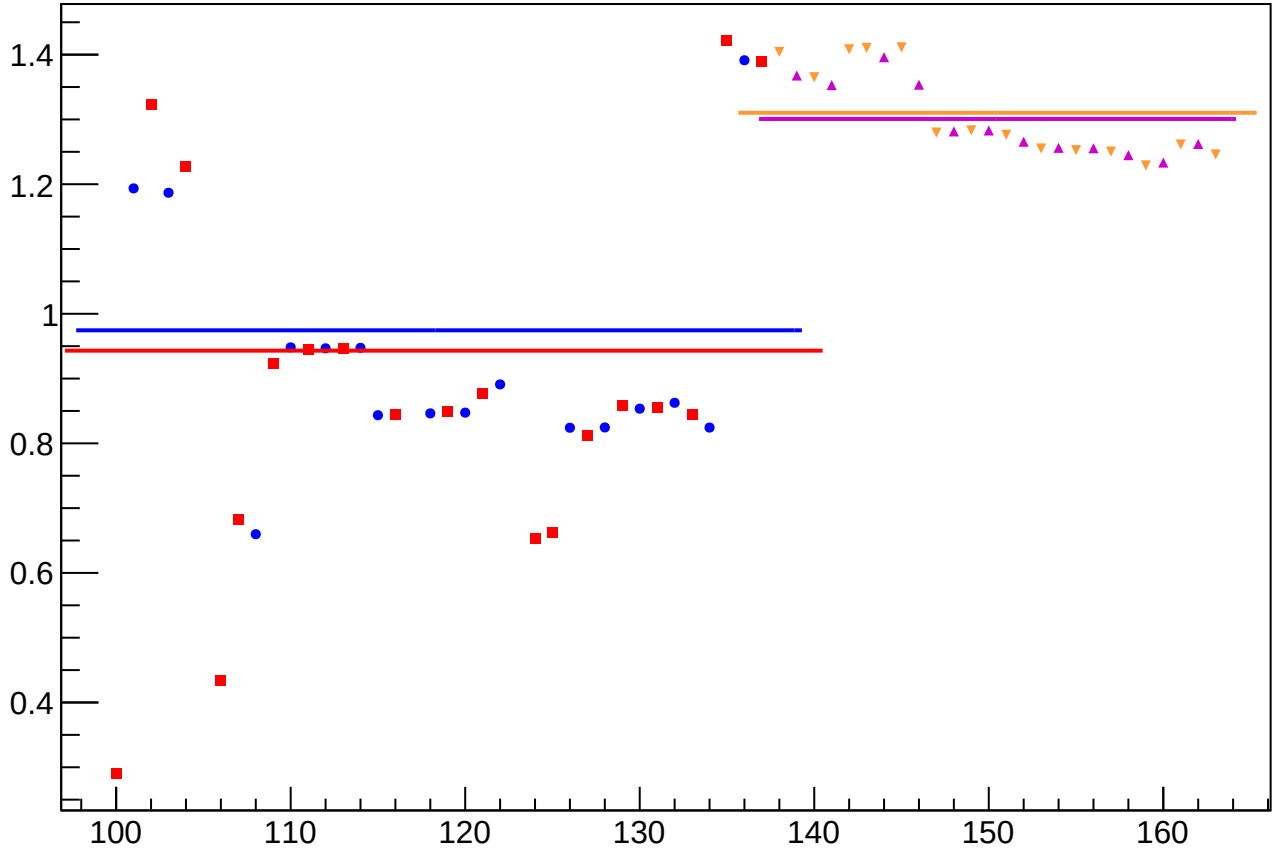
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.015+/-0.000 χ^2/NDF:7816590.9/27

Out: 0.015+/-0.000 χ^2/NDF:8903463.5/32

All: 0.015+/-0.000 χ^2/NDF: 16726816.5/60

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.310+/-0.000 χ^2/NDF:251489093.0/13

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.301+/-0.000 χ^2/NDF:144125892.3/11

Left: 1.306+/-0.000 χ^2/NDF: 398006279.1/25

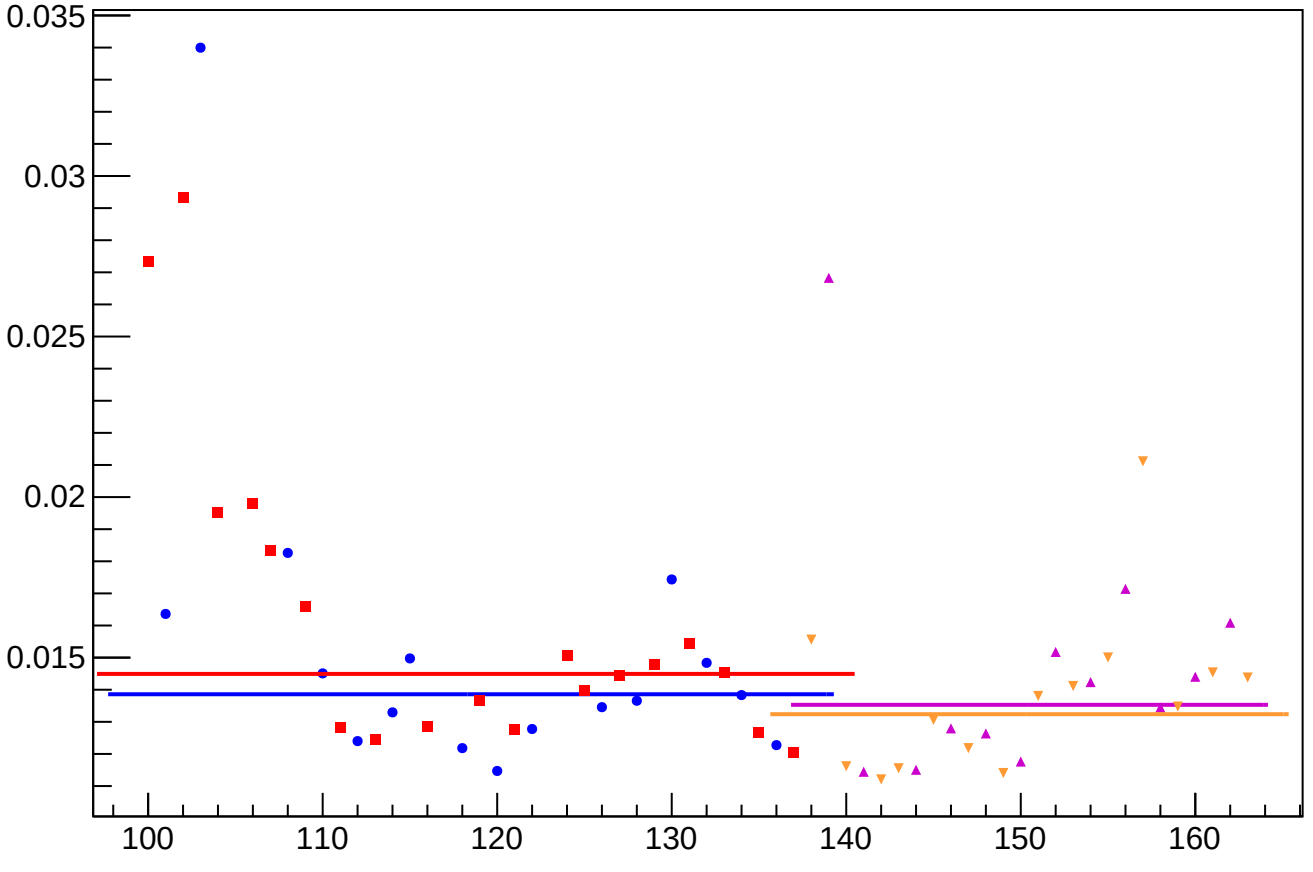
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.171+/-0.000 χ^2/NDF:3678219148.9/27

Out: 1.179+/-0.000 χ^2/NDF:4562287657.3/32

All: 1.175+/-0.000 χ^2/NDF: 8242925032.3/60

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:389522.3/13

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:674507.0/11

Left: 0.013+/-0.000 χ^2/NDF: 1068426.7/25

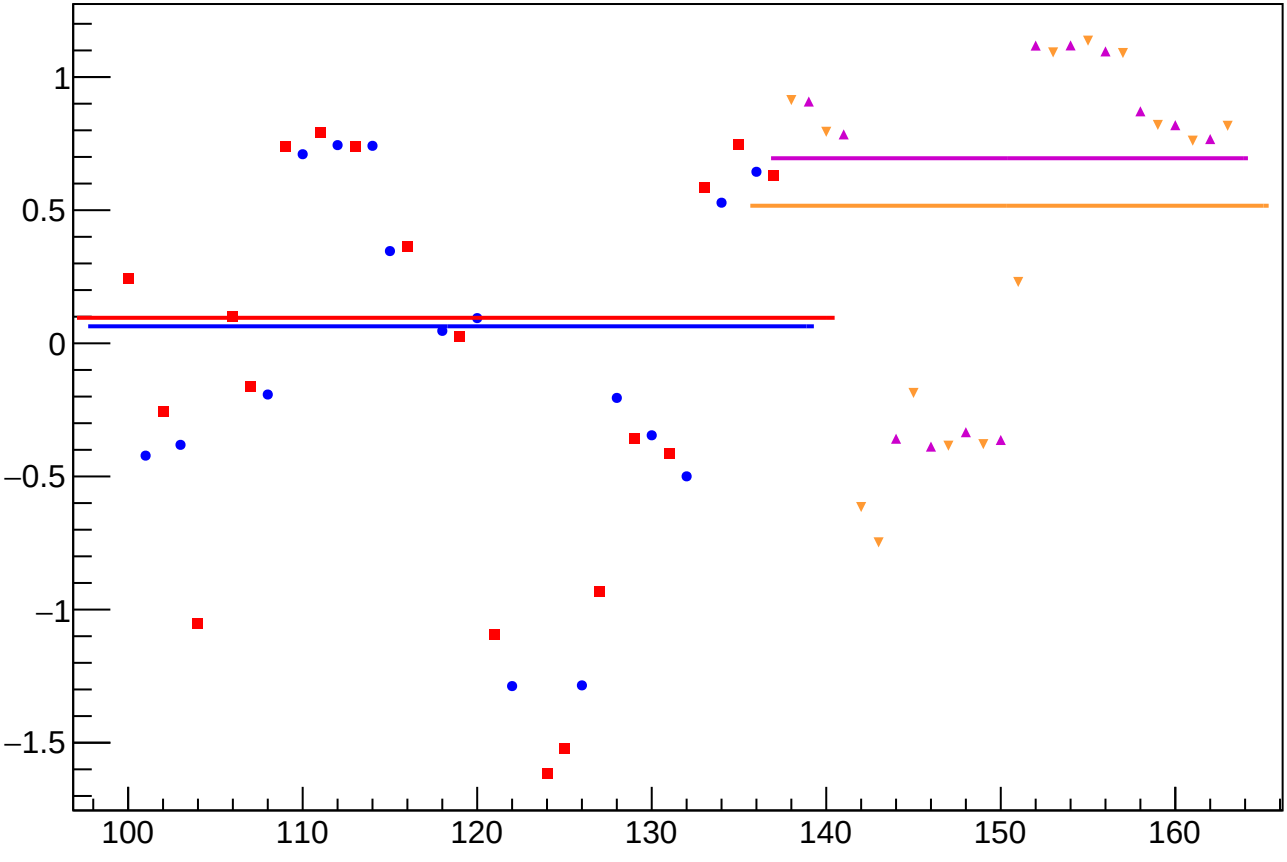
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1278717.3/27

Out: 0.014+/-0.000 χ^2/NDF:995533.3/32

All: 0.014+/-0.000 χ^2/NDF: 2274313.1/60

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.517+/-0.000 χ^2/NDF:26558349886.4/13

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.695+/-0.000 χ^2/NDF:17387544108.6/11

Left: 0.606+/-0.000 χ^2/NDF: 45076560520.7/25

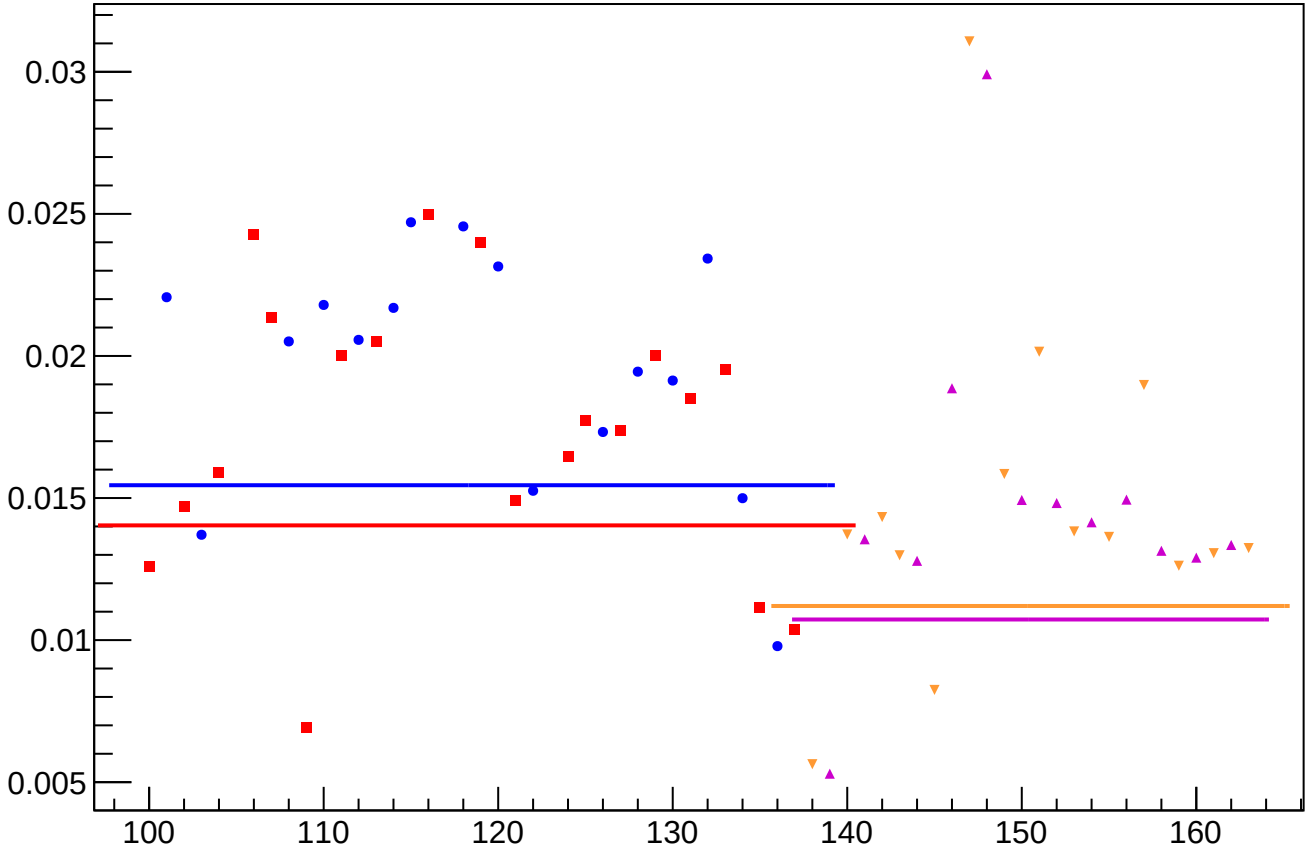
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.530+/-0.000 χ^2/NDF:35824324636.8/27

Out: 0.392+/-0.000 χ^2/NDF:48068220011.7/32

All: 0.459+/-0.000 χ^2/NDF: 84821740075.3/6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:3041270.7/13

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3378155.0/11

Left: 0.011+/-0.000 χ^2/NDF: 6435480.1/25

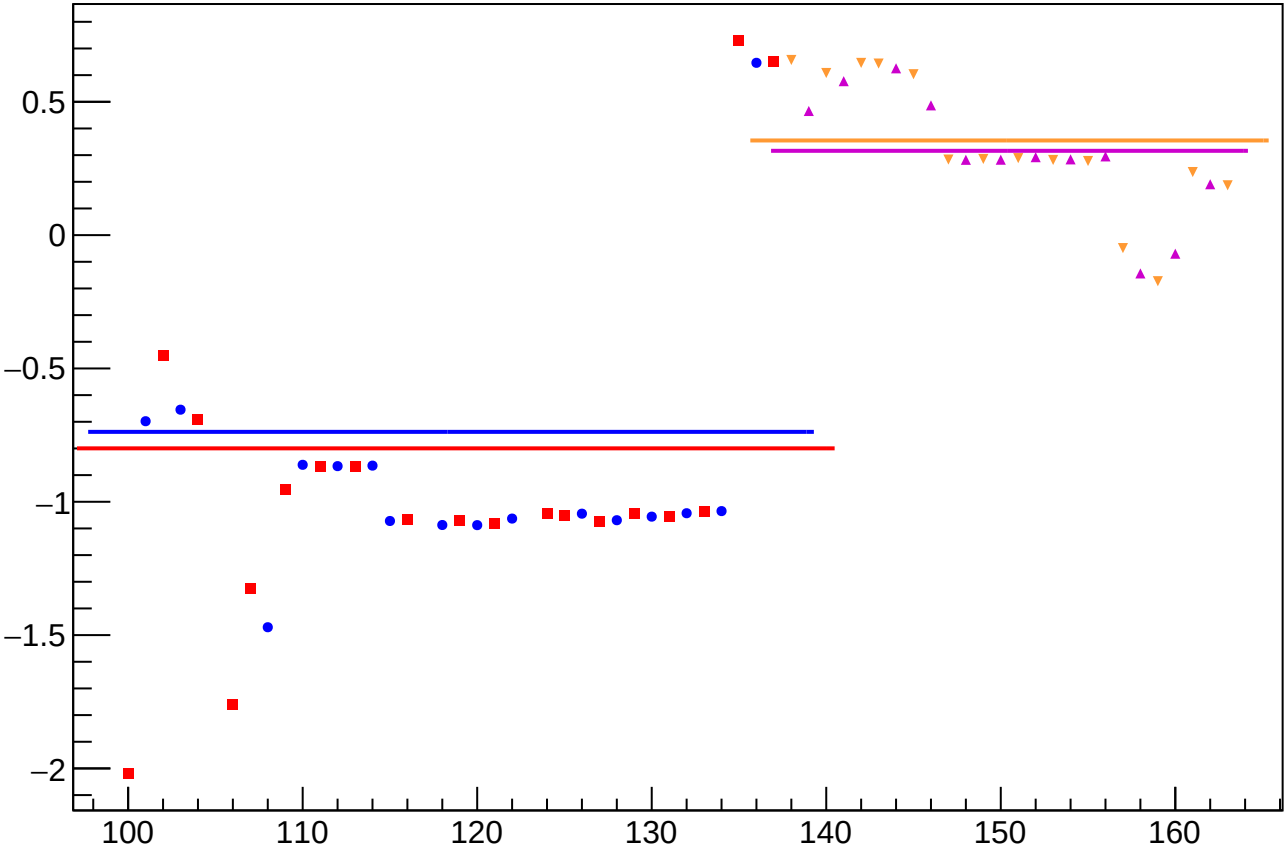
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5501444.5/27

Out: 0.012+/-0.000 χ^2/NDF:5066267.3/32

All: 0.012+/-0.000 χ^2/NDF: 10568272.6/60

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.355+/-0.000 χ^2/NDF:478702930.4/13

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.316+/-0.000 χ^2/NDF:399467293.9/11

Left: 0.337+/-0.000 χ^2/NDF: 884050142.6/25

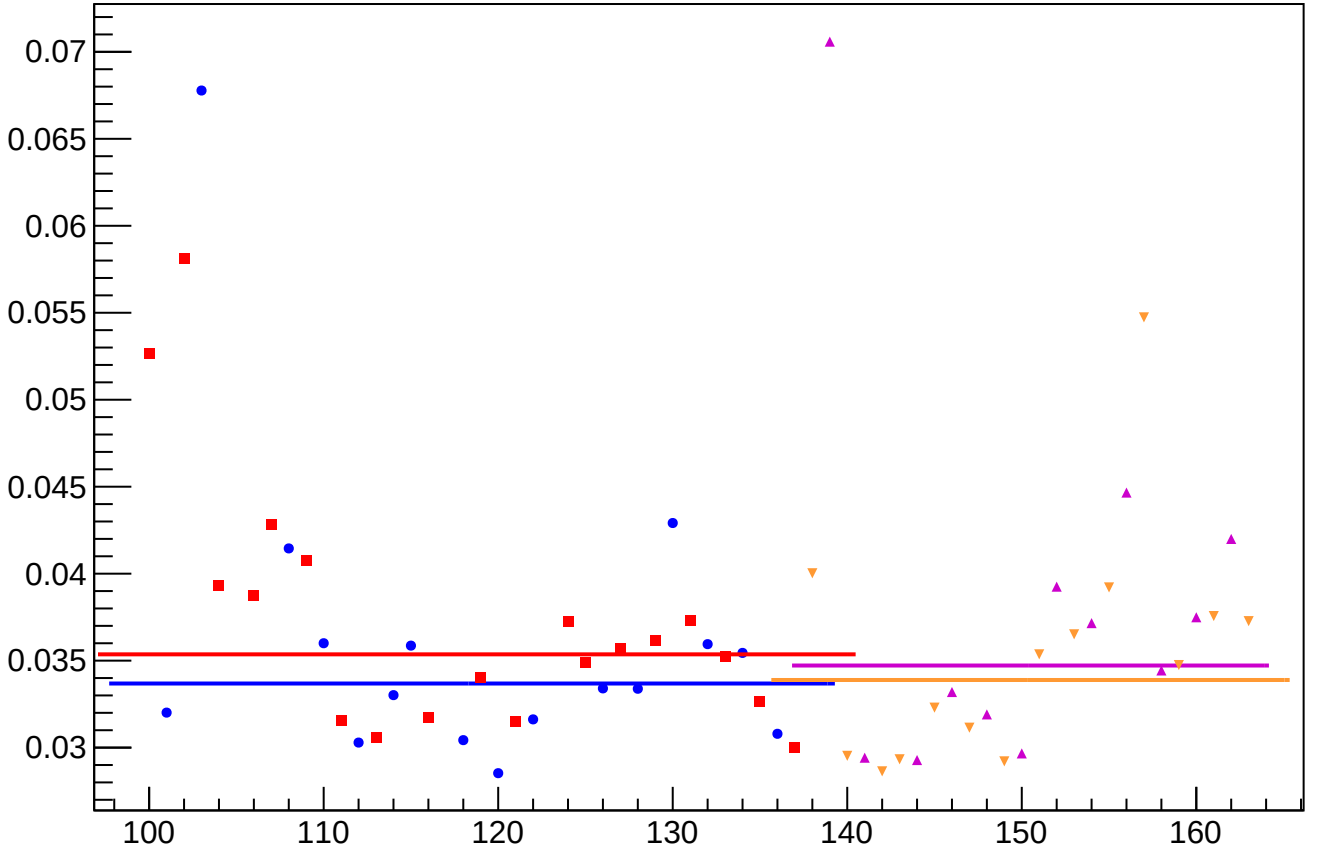
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.136+/-0.000 χ^2/NDF:5995524411.5/27

Out: -0.089+/-0.000 χ^2/NDF:6603967632.9/32

All: -0.112+/-0.000 χ^2/NDF: 12613828200.4/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.034+/-0.000 χ^2/NDF:421906.5/13

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:732292.4/11

Left: 0.034+/-0.000 χ^2/NDF: 1159597.6/25

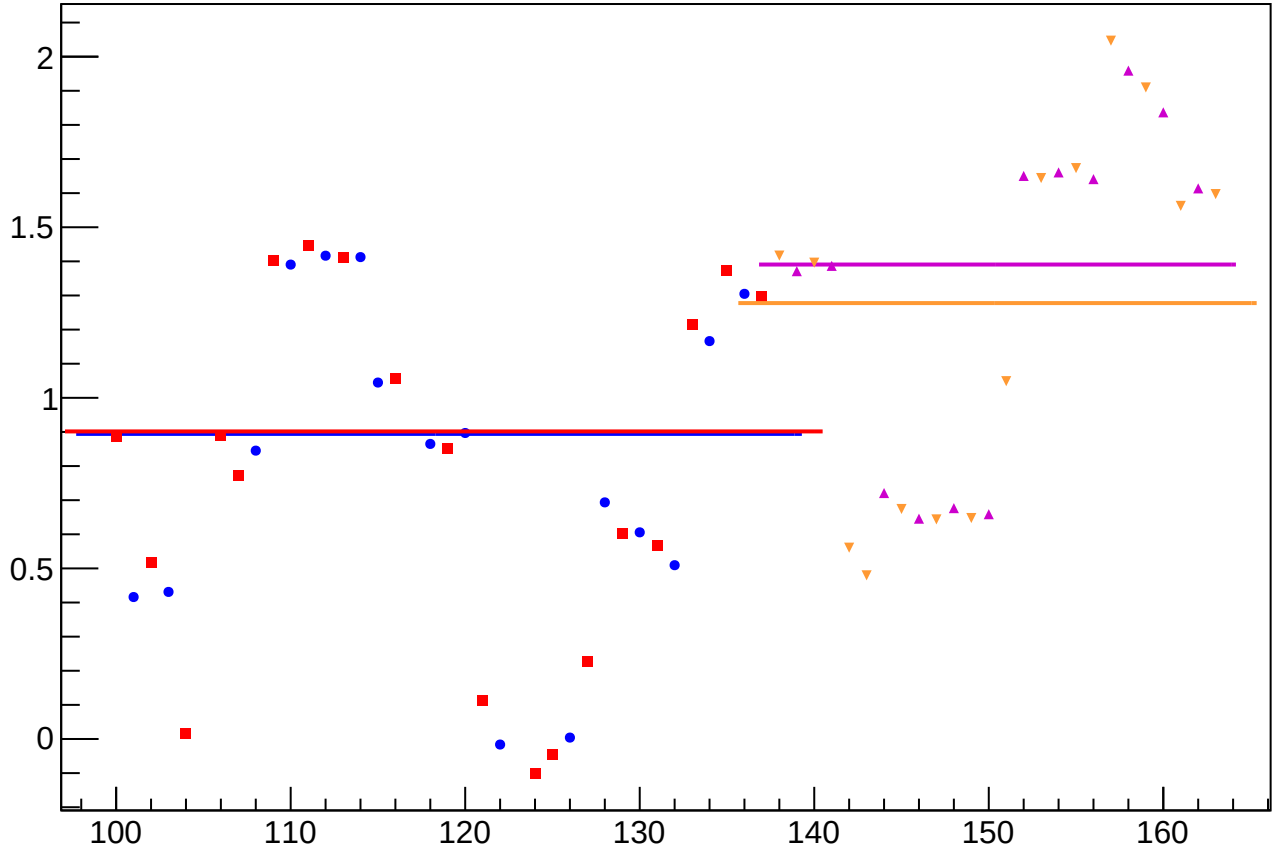
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.034+/-0.000 χ^2/NDF:1159305.9/27

Out: 0.034+/-0.000 χ^2/NDF:732090.2/32

All: 0.034+/-0.000 χ^2/NDF: 1891820.9/60

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.278+/-0.000 χ^2/NDF:30861245342.9/13

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.391+/-0.000 χ^2/NDF:21887651546.9/11

Left: 1.332+/-0.000 χ^2/NDF: 53505505660.5/25

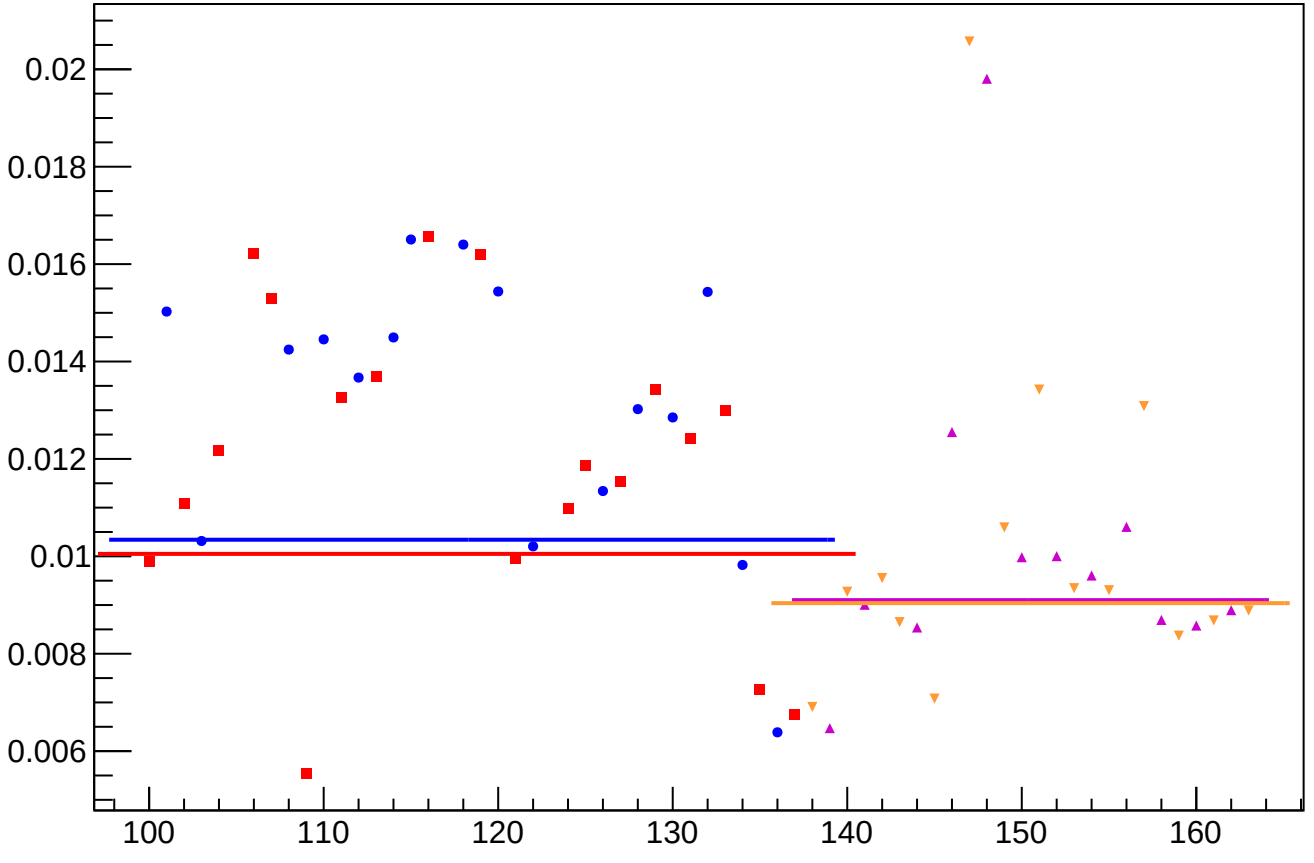
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.227+/-0.000 χ^2/NDF:43860080415.2/27

Out: 1.154+/-0.000 χ^2/NDF:54488856561.3/32

All: 1.189+/-0.000 χ^2/NDF: 98818039816.4/6

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:1123537.9/13

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:917937.5/11

Left: 0.009+/-0.000 χ^2/NDF: 2041931.7/25

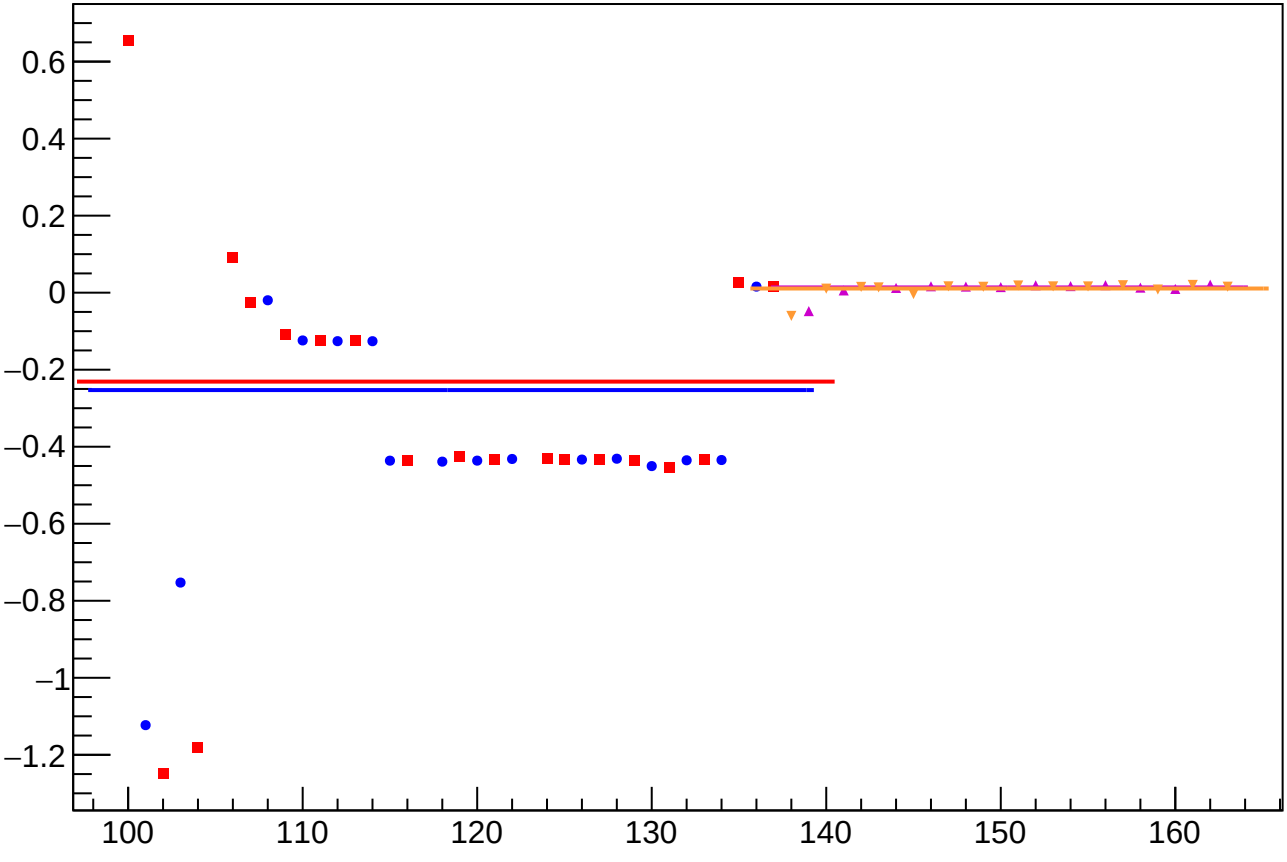
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2383484.4/27

Out: 0.009+/-0.000 χ^2/NDF:2543321.1/32

All: 0.009+/-0.000 χ^2/NDF: 4930197.5/60

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:22839468.2/13

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6200943.5/11

Left: 0.012+/-0.000 χ^2/NDF: 29412350.0/25

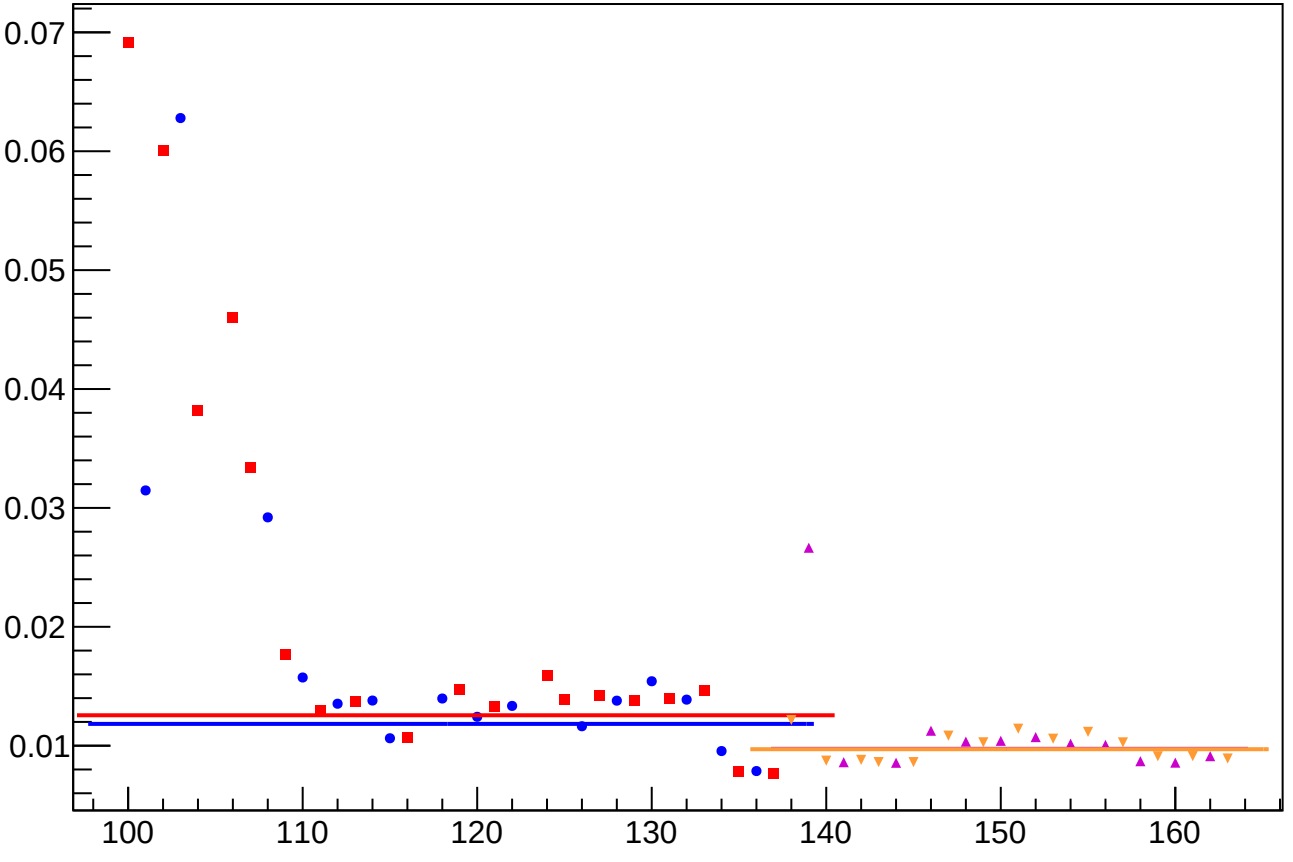
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.063+/-0.000 χ^2/NDF:3832326547.2/27

Out: -0.049+/-0.000 χ^2/NDF:3230861156.5/32

All: -0.055+/-0.000 χ^2/NDF: 7075683840.5/6

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:222017.0/13

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:829528.0/11

Left: 0.010+/-0.000 χ^2/NDF: 1051630.7/25

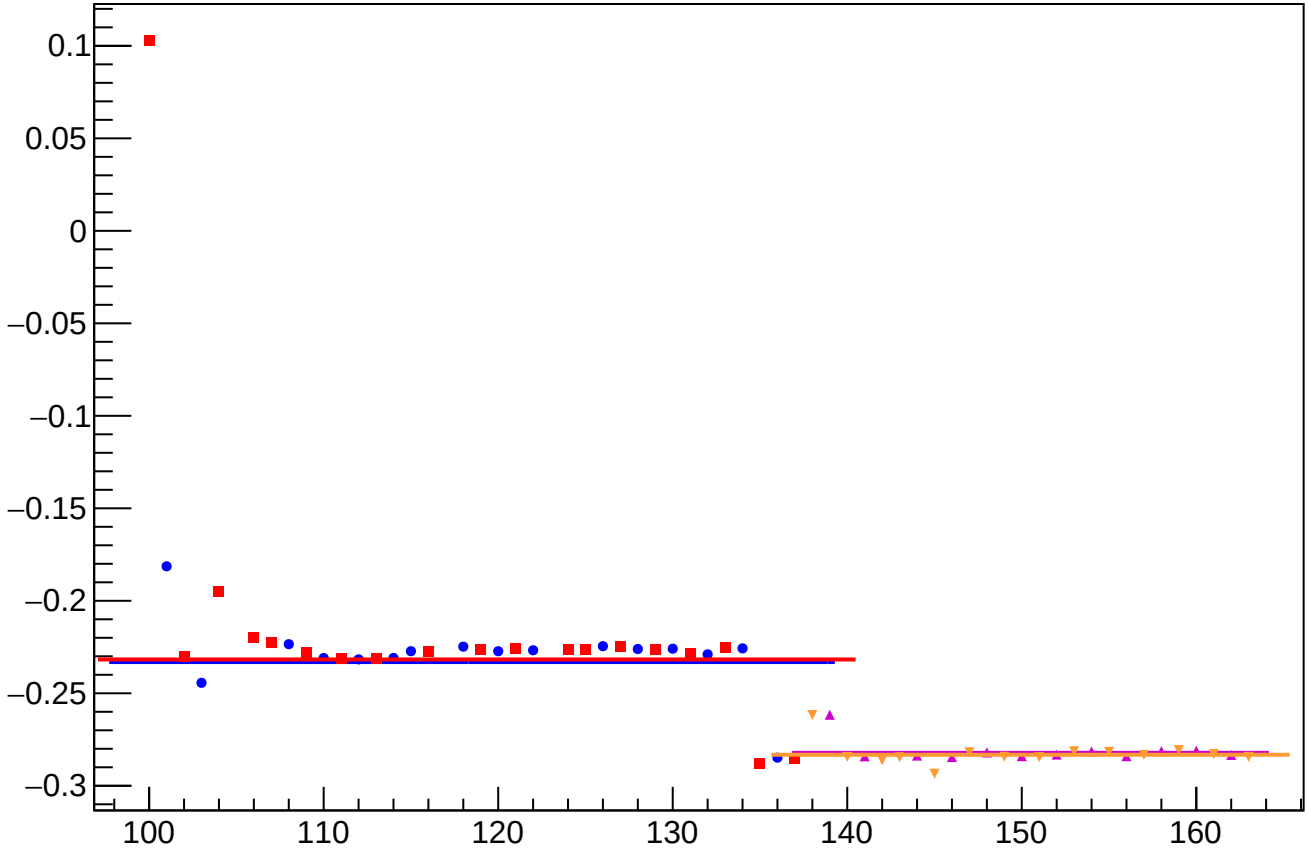
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:2995292.3/27

Out: 0.010+/-0.000 χ^2/NDF:2829676.8/32

All: 0.010+/-0.000 χ^2/NDF: 5825598.9/60

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.283+/-0.000 χ^2/NDF:15013555.5/13

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6336237.1/11

Left: -0.283+/-0.000 χ^2/NDF: 21553073.1/25

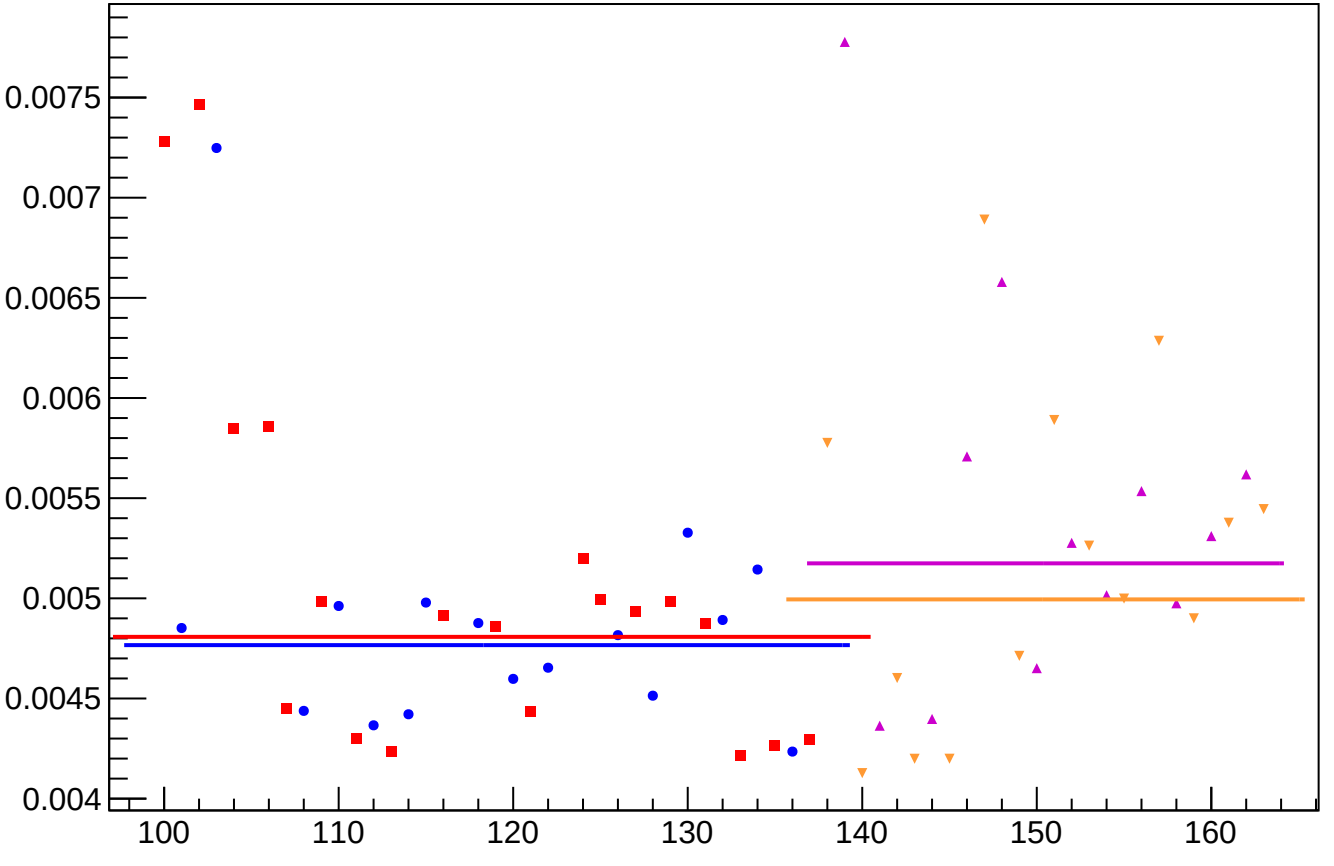
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.261+/-0.000 χ^2/NDF:586552507.3/27

Out: -0.262+/-0.000 χ^2/NDF:753197104.8/32

All: -0.261+/-0.000 χ^2/NDF: 1340398085.4/6

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:450871.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:417375.4/11

Left: 0.005+/-0.000 χ^2/NDF: 880623.6/25

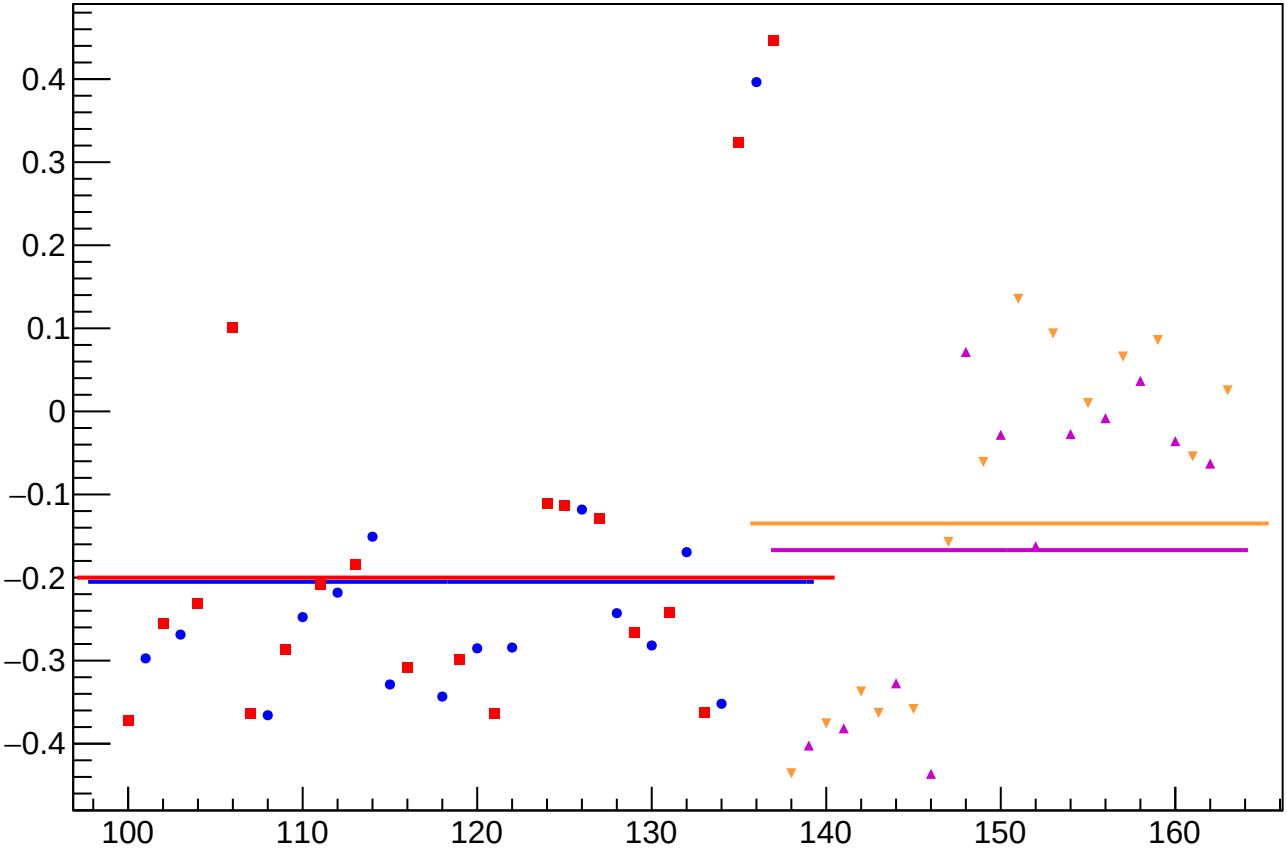
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:661845.4/27

Out: 0.005+/-0.000 χ^2/NDF:756499.3/32

All: 0.005+/-0.000 χ^2/NDF: 1422313.1/60

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.135+/-0.000 χ^2/NDF:14356407743.9/13

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.167+/-0.000 χ^2/NDF:9283673767.2/11

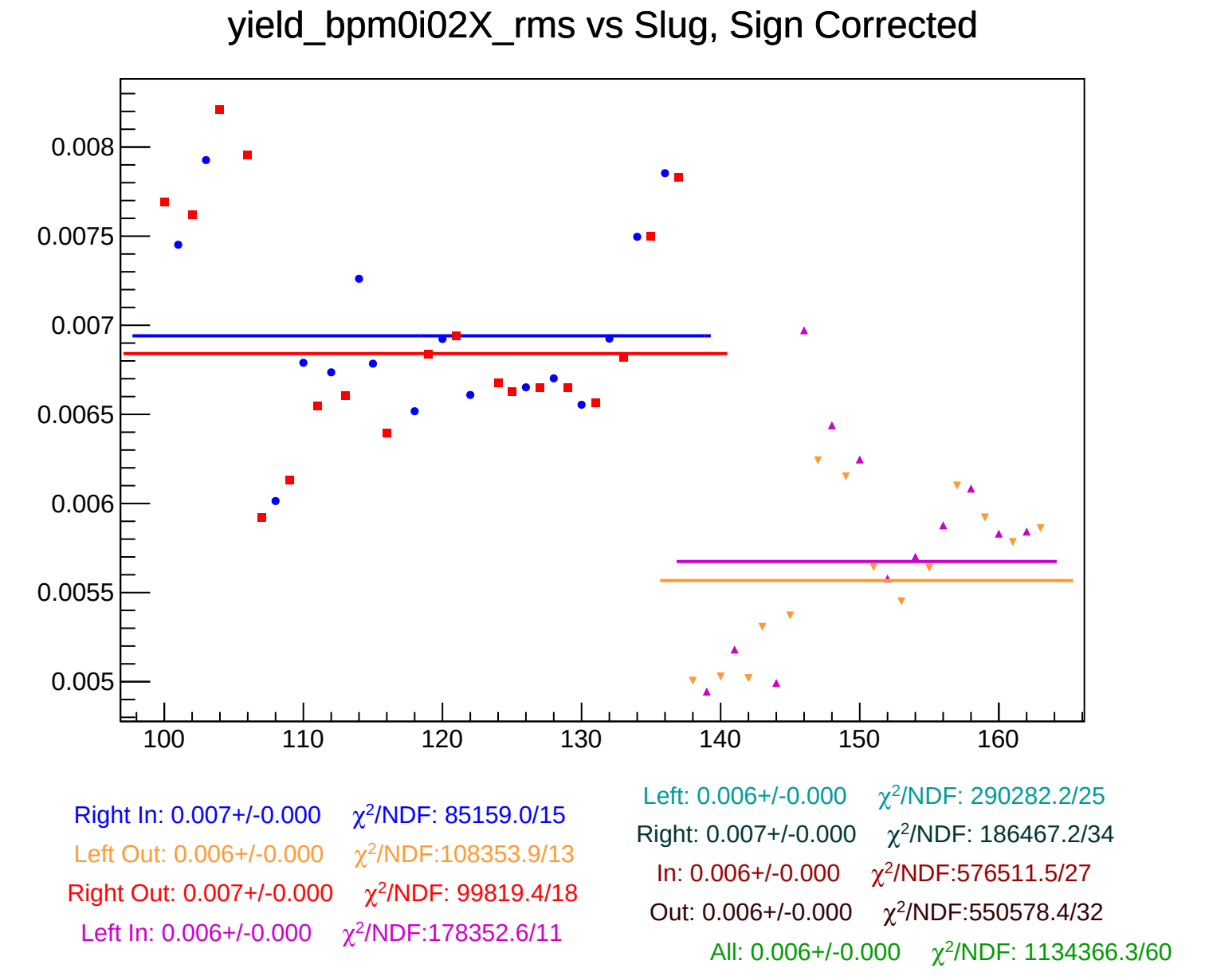
Left: -0.150+/-0.000 χ^2/NDF: 23800950989.3/25

Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

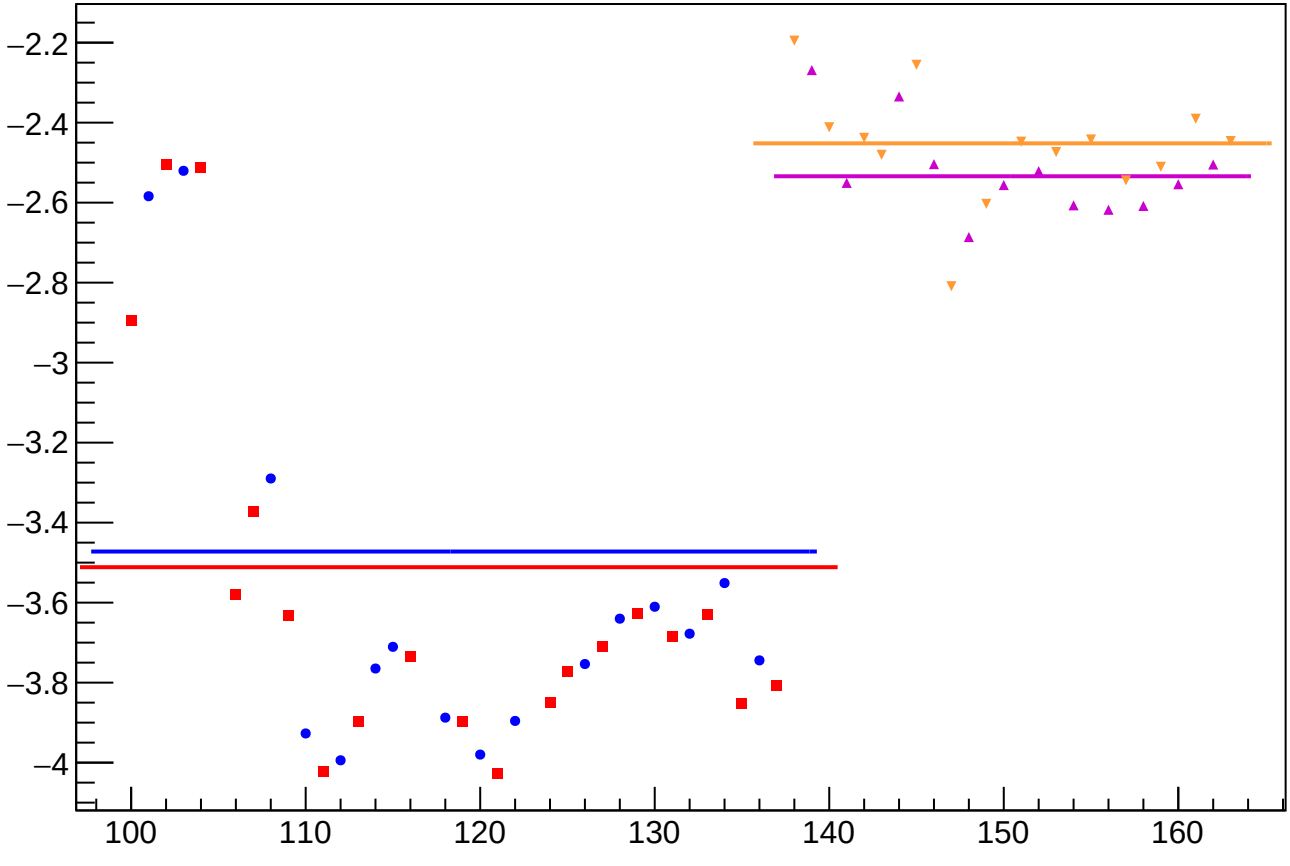
In: -0.180+/-0.000 χ^2/NDF:15614819324.5/27

Out: -0.155+/-0.000 χ^2/NDF:20053993237.1/32

All: -0.167+/-0.000 χ^2/NDF: 35804094541.4/


yield_bpm0i02X_rms vs Slug, Sign Corrected
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
100
110
120
130
140
150
160
Right In: 0.007+/-0.000 χ²/NDF: 85159.0/15
Left Out: 0.006+/-0.000 χ²/NDF:108353.9/13
Right Out: 0.007+/-0.000 χ²/NDF: 99819.4/18
Left In: 0.006+/-0.000 χ²/NDF:178352.6/11
Left: 0.006+/-0.000 χ²/NDF: 290282.2/25
Right: 0.007+/-0.000 χ²/NDF: 186467.2/34
In: 0.006+/-0.000 χ²/NDF:576511.5/27
Out: 0.006+/-0.000 χ²/NDF:550578.4/32
All: 0.006+/-0.000 χ²/NDF: 1134366.3/60

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.452+/-0.000 χ^2/NDF:1623131223.9/13

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.534+/-0.000 χ^2/NDF:1289169066.8/11

Left: -2.490+/-0.000 χ^2/NDF: 3346799564.5/25

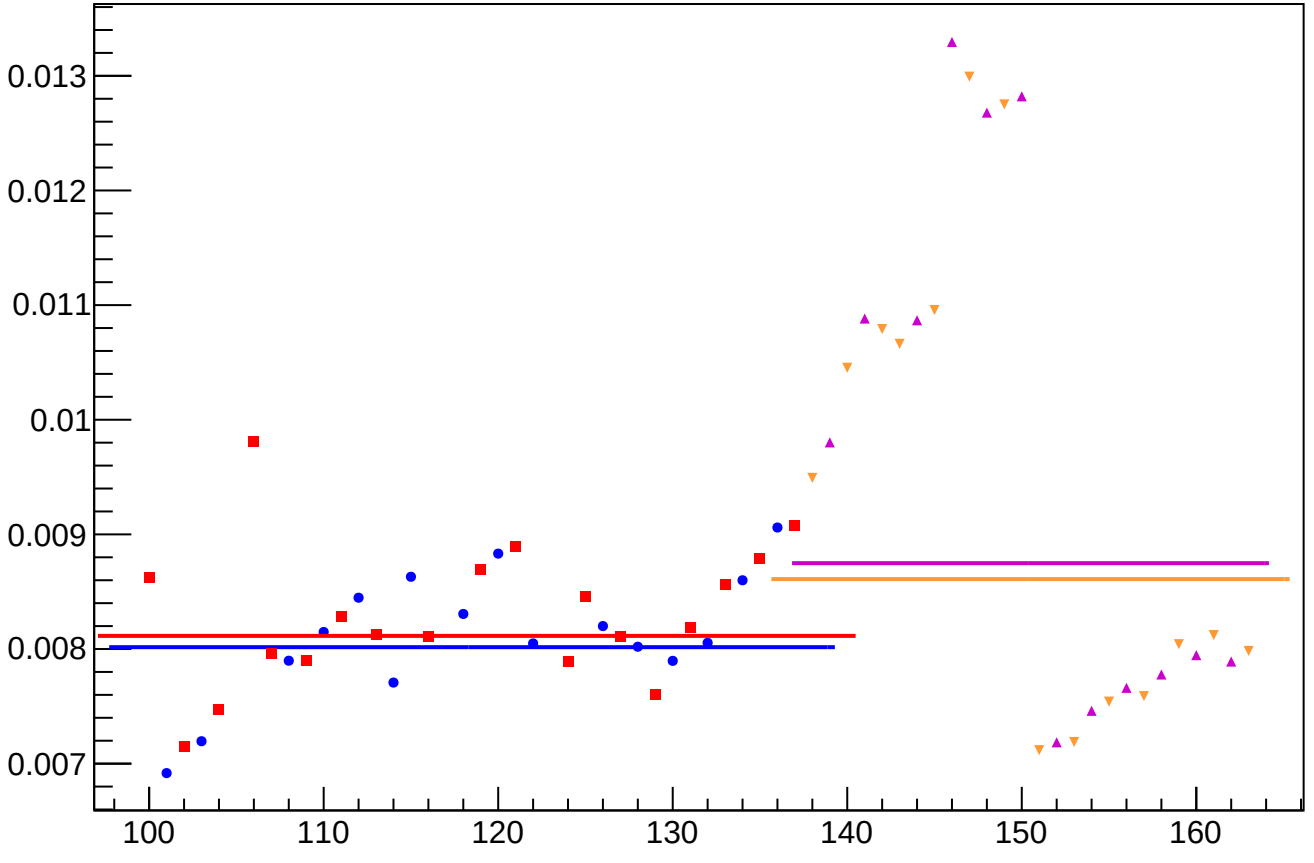
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.978+/-0.000 χ^2/NDF:81331667127.0/27

Out: -2.920+/-0.000 χ^2/NDF:98999677463.8/32

All: -2.948+/-0.000 χ^2/NDF: 180719459385.1

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:734414.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:826856.3/11

Left: 0.009+/-0.000 χ^2/NDF: 1563750.4/25

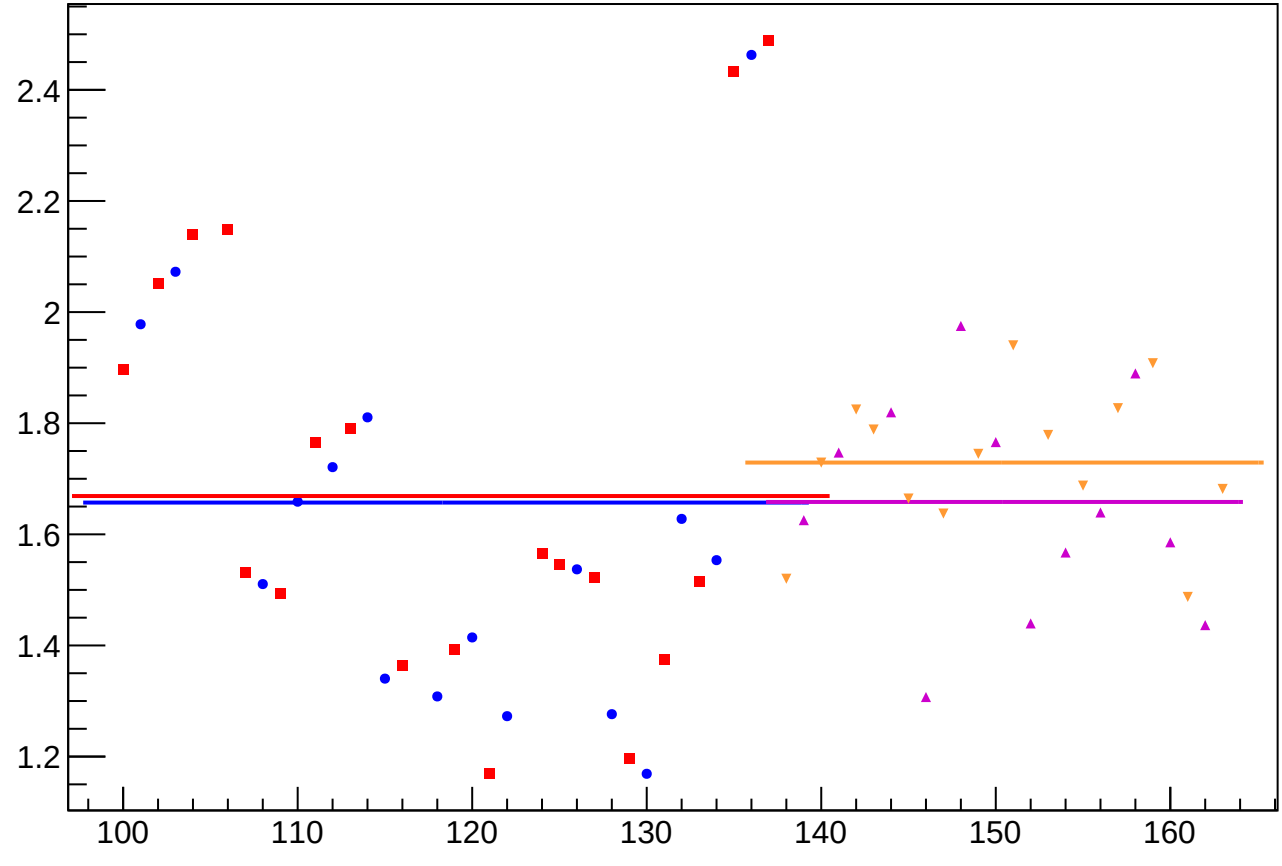
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:974664.5/27

Out: 0.008+/-0.000 χ^2/NDF:835044.5/32

All: 0.008+/-0.000 χ^2/NDF: 1809740.5/60

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.729+/-0.000 χ^2/NDF:1283254304.0/13

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.658+/-0.000 χ^2/NDF:2134417988.6/11

Left: 1.696+/-0.000 χ^2/NDF: 3599261973.0/25

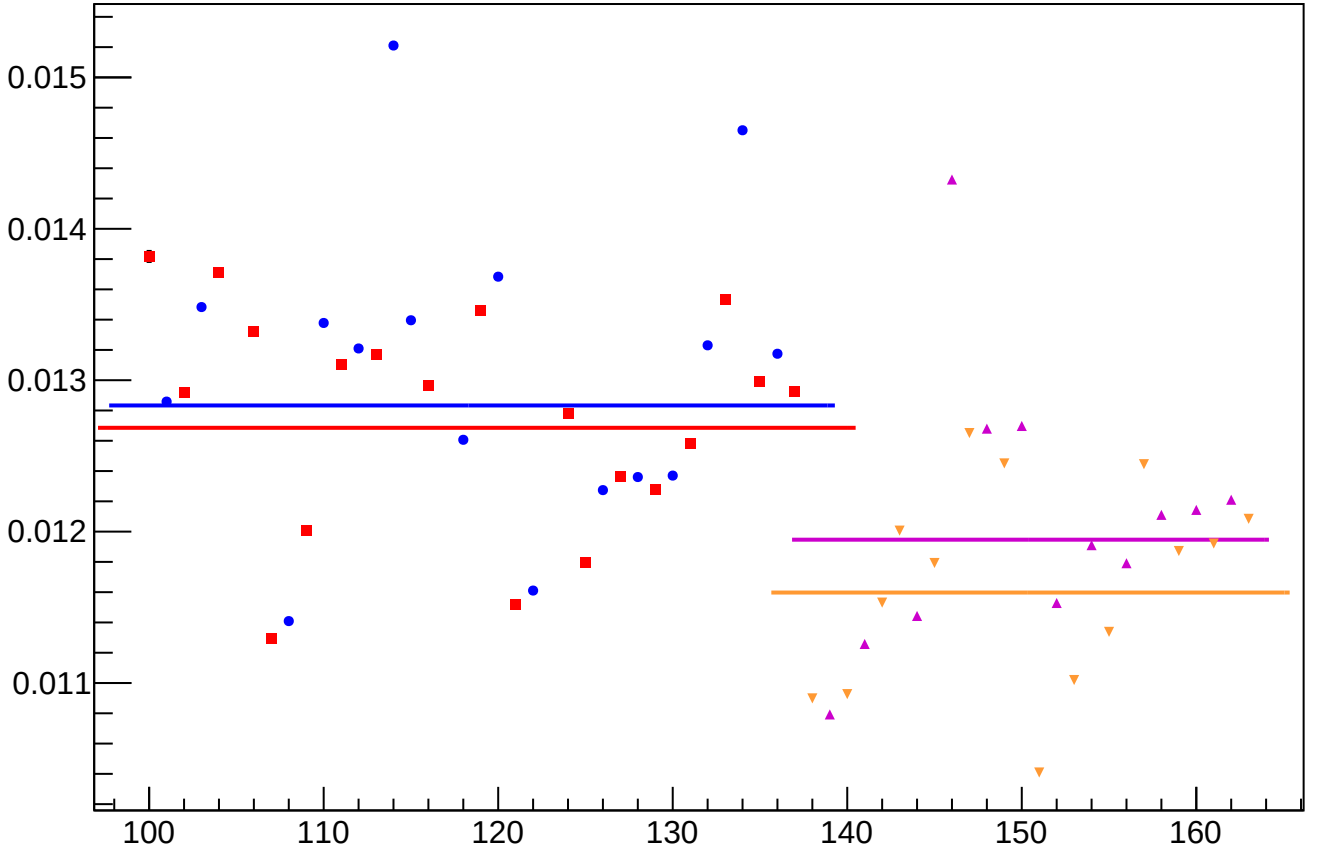
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.658+/-0.000 χ^2/NDF:8800603898.8/27

Out: 1.707+/-0.000 χ^2/NDF:7744236560.8/32

All: 1.684+/-0.000 χ^2/NDF: 16686099814.8/6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.012+/-0.000 χ^2/NDF:68532.4/13

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:86413.2/11

Left: 0.012+/-0.000 χ^2/NDF: 163747.3/25

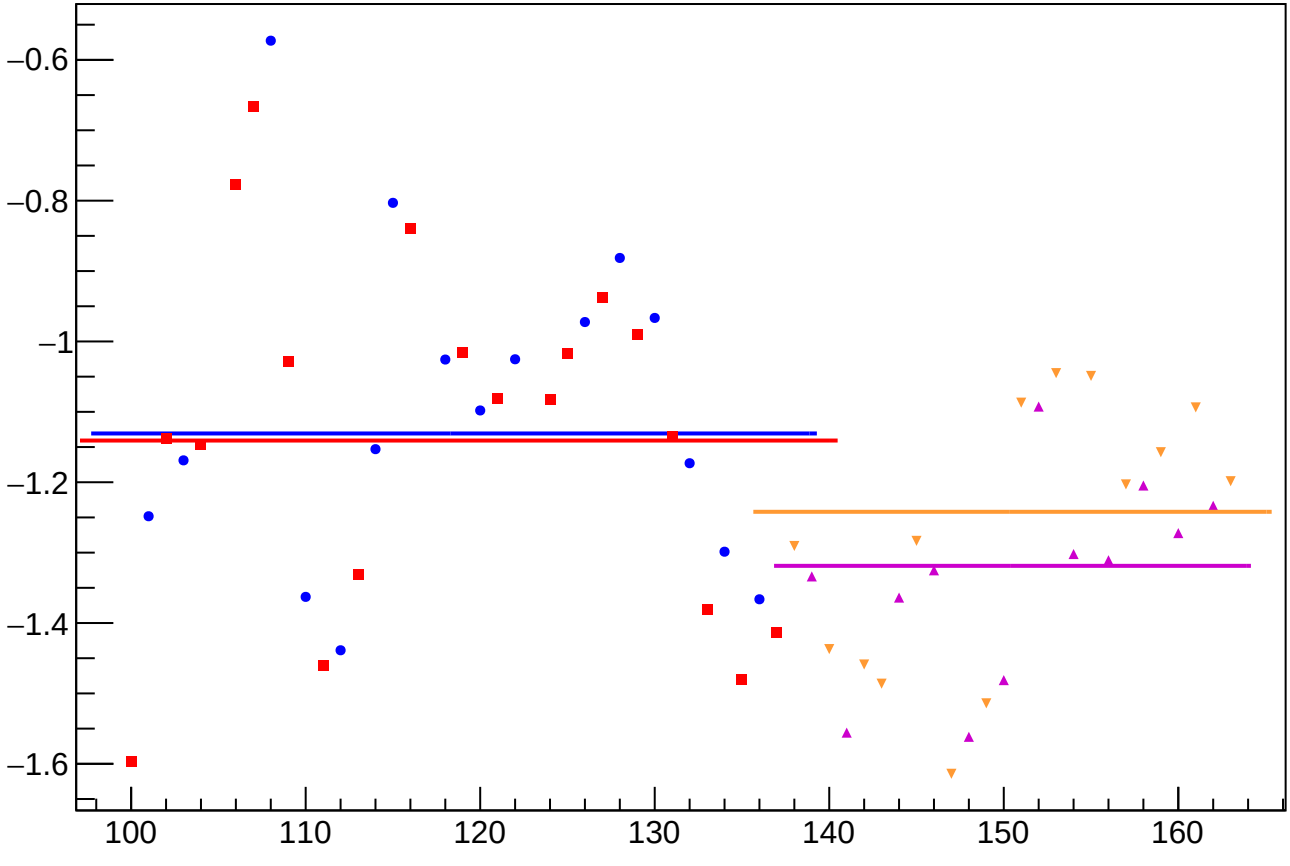
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:179927.0/27

Out: 0.012+/-0.000 χ^2/NDF:179233.3/32

All: 0.012+/-0.000 χ^2/NDF: 369328.4/60

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.242+/-0.000 χ^2/NDF:4374269755.3/13

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.319+/-0.000 χ^2/NDF:2144113454.7/11

Left: -1.278+/-0.000 χ^2/NDF: 6921626259.7/25

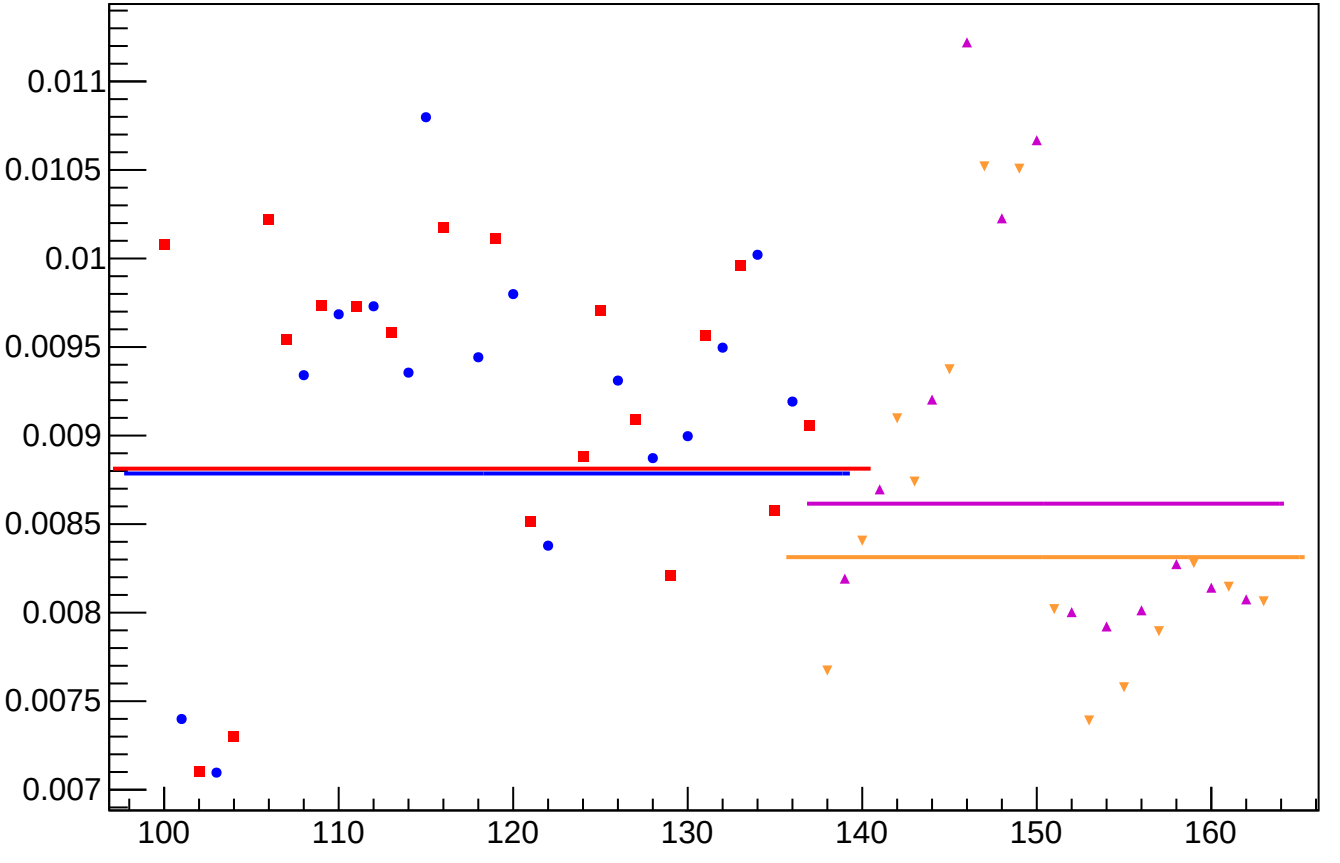
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.242+/-0.000 χ^2/NDF:7784184971.0/27

Out: -1.204+/-0.000 χ^2/NDF:8488524594.9/32

All: -1.222+/-0.000 χ^2/NDF: 16434110536.1/

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:207345.6/13

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:224904.6/11

Left: 0.008+/-0.000 χ^2/NDF: 444729.6/25

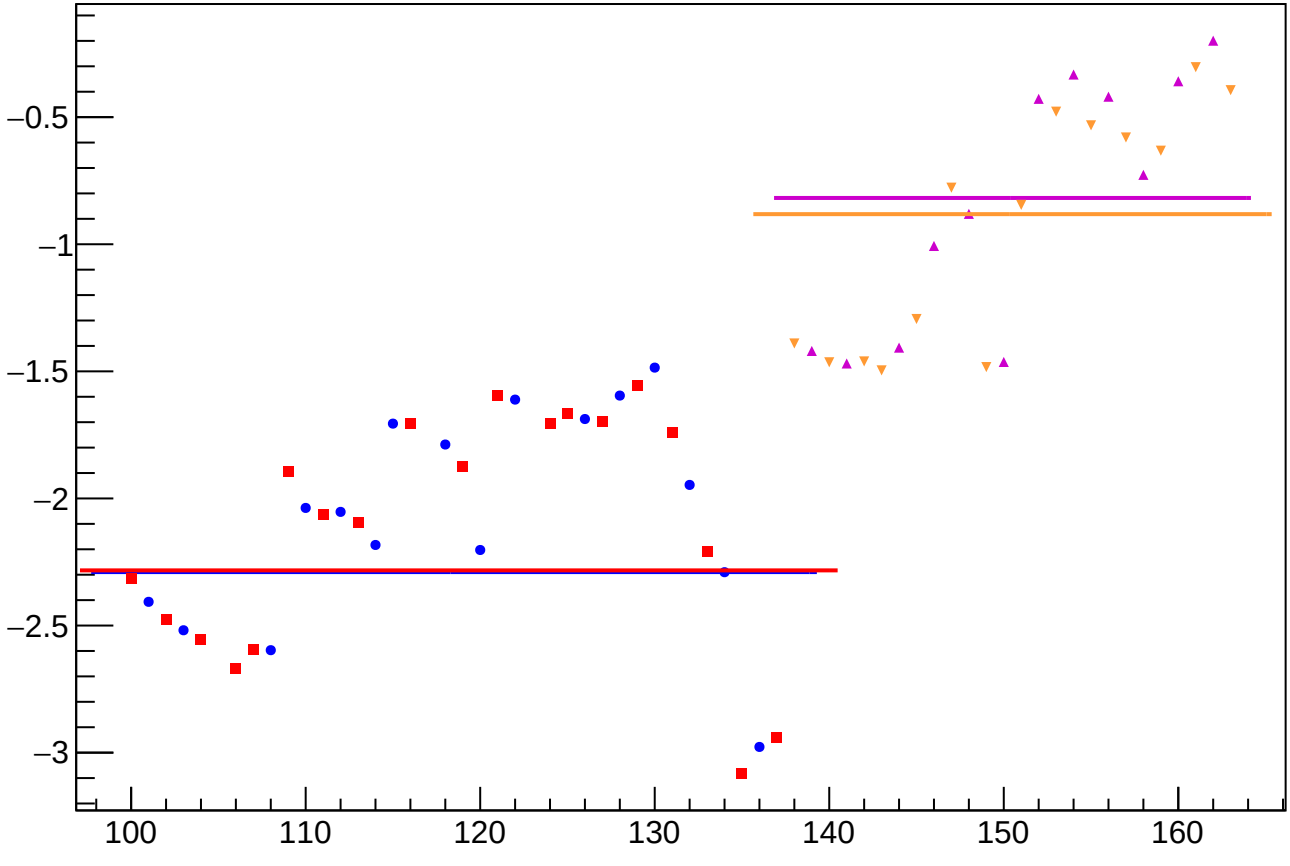
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.009+/-0.000 χ^2/NDF:401421.8/27

Out: 0.009+/-0.000 χ^2/NDF:439584.2/32

All: 0.009+/-0.000 χ^2/NDF: 848622.1/60

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.882+/-0.000 χ^2/NDF:27970645872.1/13

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.818+/-0.000 χ^2/NDF:29618099110.9/11

Left: -0.851+/-0.000 χ^2/NDF: 57883981934.0/25

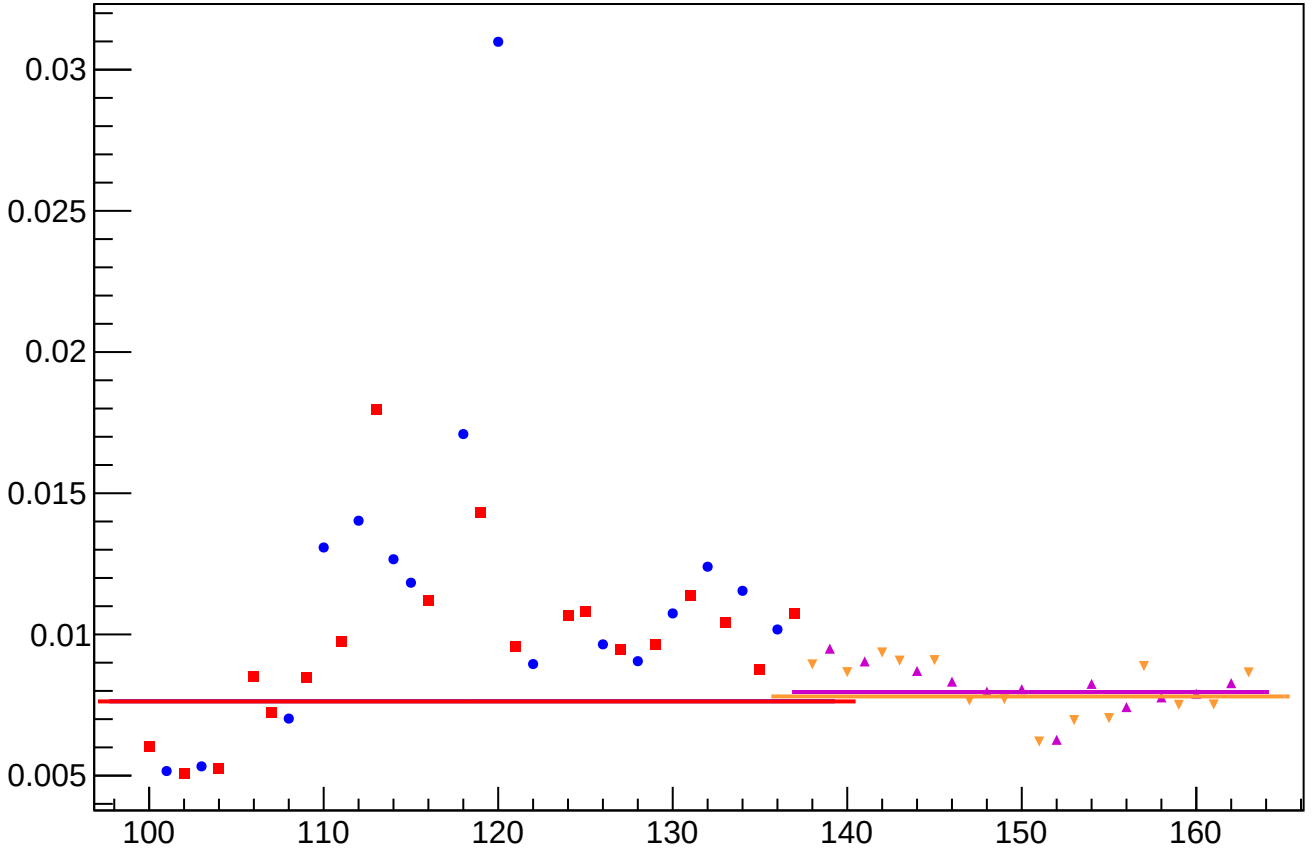
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.387+/-0.000 χ^2/NDF:160720732383.5/27

Out: -1.418+/-0.000 χ^2/NDF:160494232480.5/32

All: -1.403+/-0.000 χ^2/NDF: 321326026230.6

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:283093.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:202826.3/11

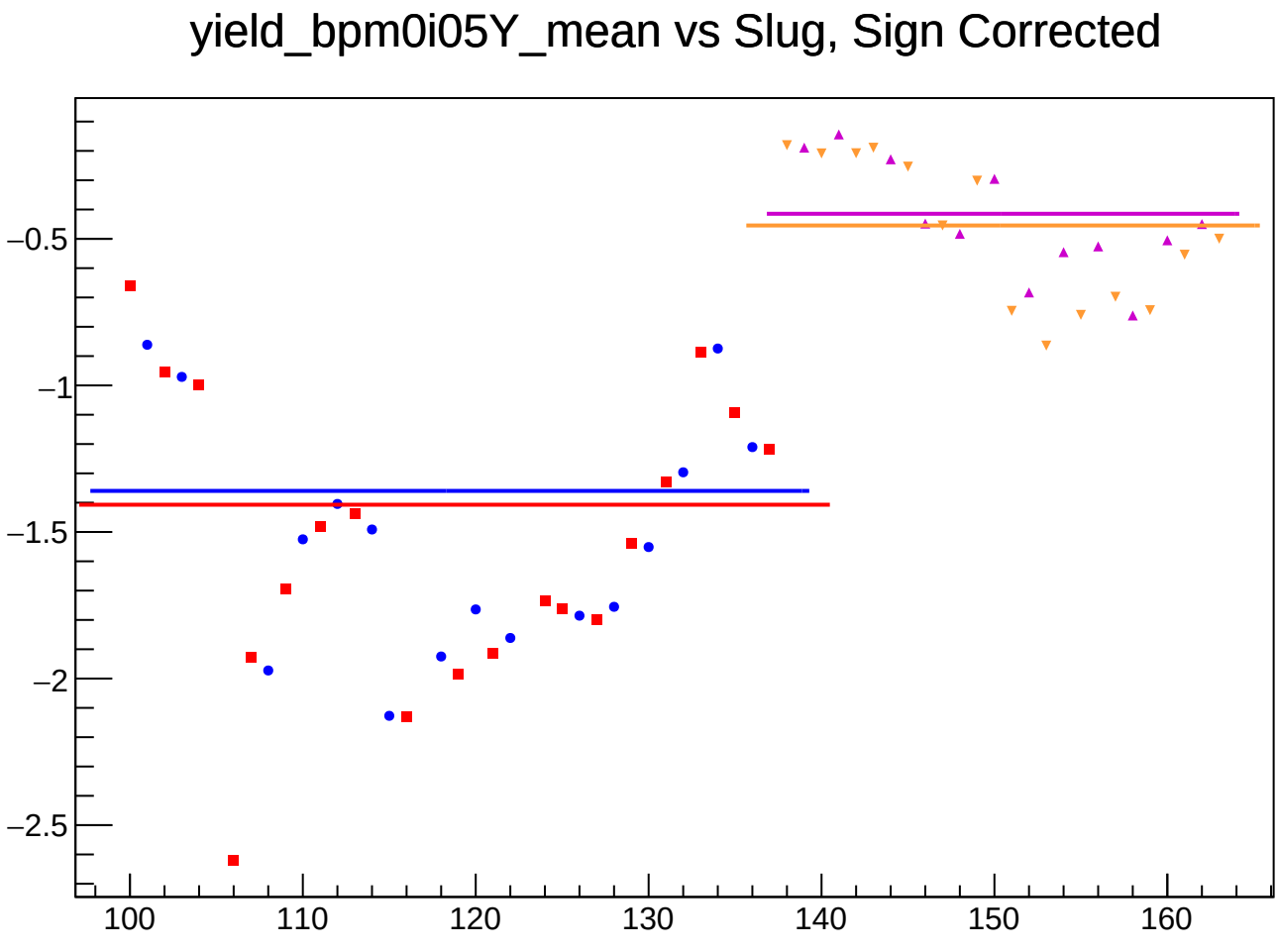
Left: 0.008+/-0.000 χ^2/NDF: 489544.0/25

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

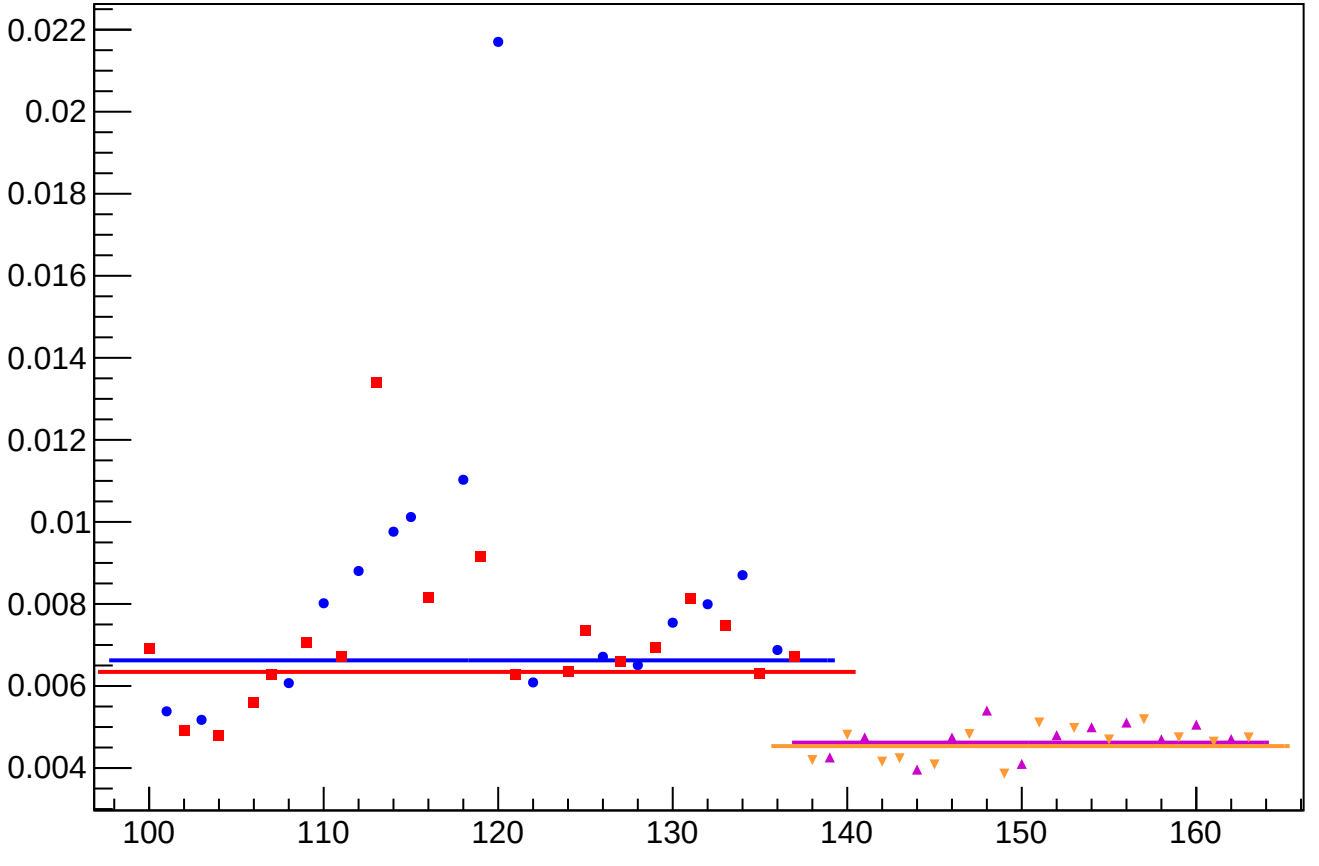
In: 0.008+/-0.000 χ^2/NDF:1925205.3/27

Out: 0.008+/-0.000 χ^2/NDF:1604496.5/32

All: 0.008+/-0.000 χ^2/NDF: 3531976.9/60


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.454+/-0.000 χ²/NDF:27889856550.6/13
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.415+/-0.000 χ²/NDF:15484779841.5/11
Left: -0.436+/-0.000 χ²/NDF: 43734945126.7/25
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.637+/-0.000 χ²/NDF:127040572883.3/27
Out: -0.683+/-0.000 χ²/NDF:162622389700.4/32
All: -0.662+/-0.000 χ²/NDF: 290274549843.8

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:154847.5/13

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:147837.8/11

Left: 0.005+/-0.000 χ^2/NDF: 305989.7/25

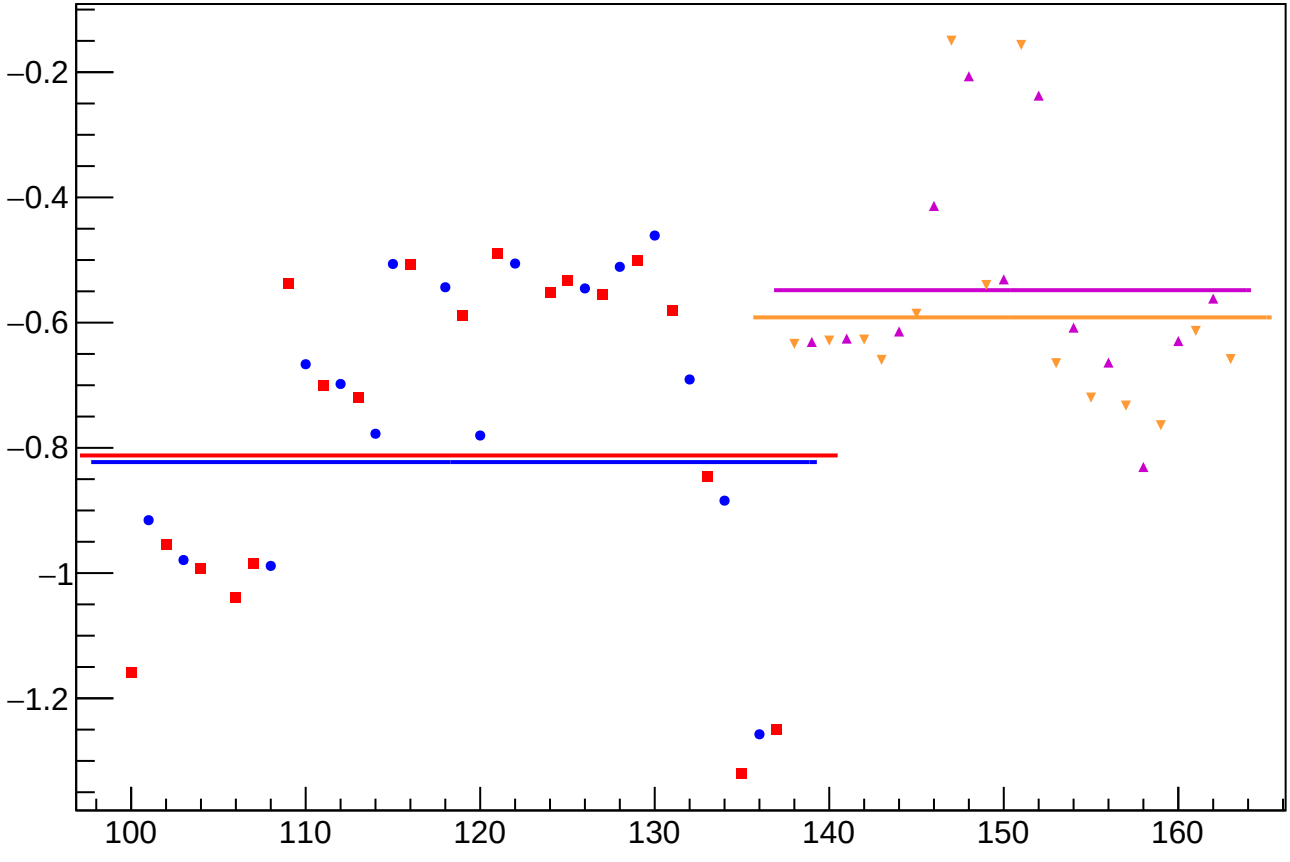
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1651848.5/27

Out: 0.005+/-0.000 χ^2/NDF:1440469.1/32

All: 0.005+/-0.000 χ^2/NDF: 3101527.5/60

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.592+/-0.000 χ^2/NDF:14202632122.1/13

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.548+/-0.000 χ^2/NDF:12047246312.7/11

Left: -0.571+/-0.000 χ^2/NDF: 26603428006.1/25

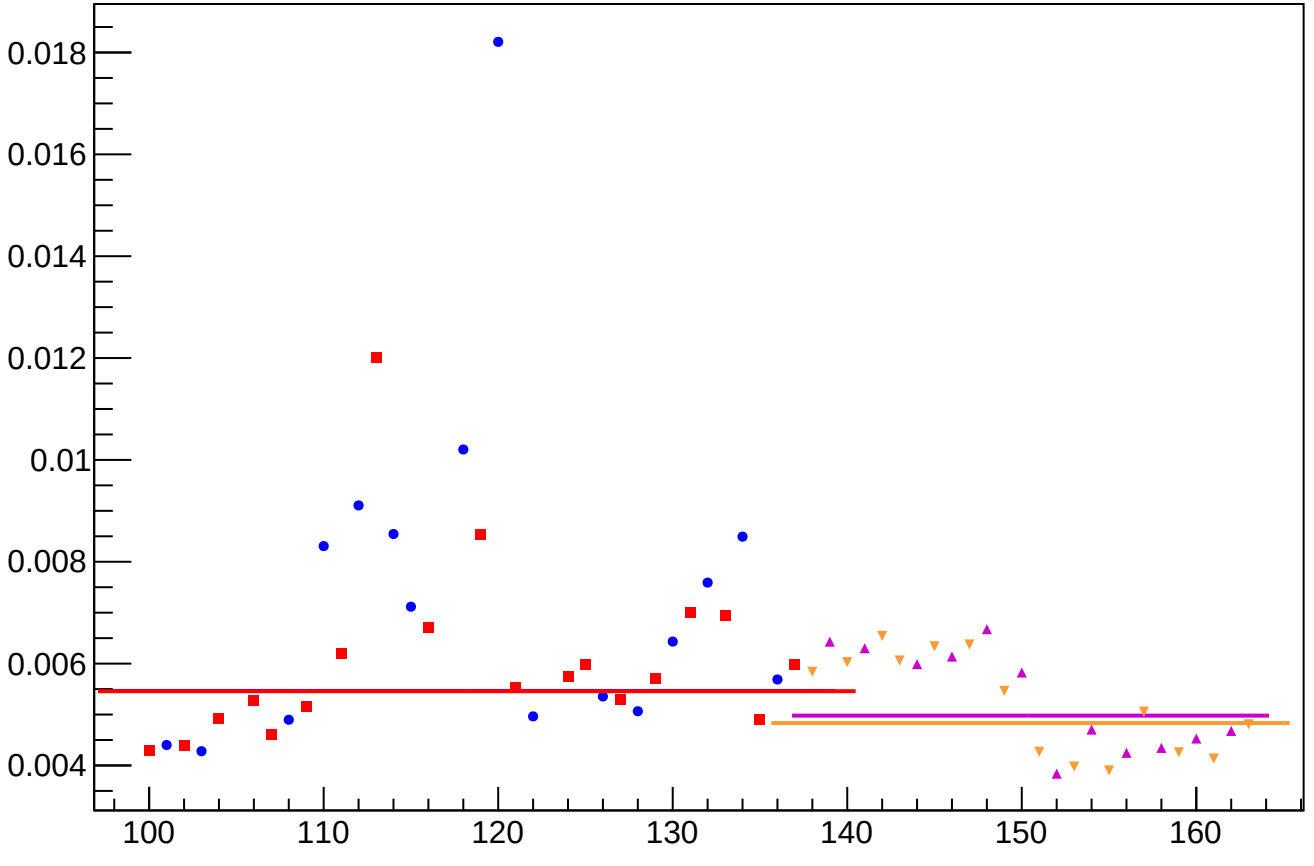
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.643+/-0.000 χ^2/NDF:33409184408.0/27

Out: -0.666+/-0.000 χ^2/NDF:35549075230.7/32

All: -0.655+/-0.000 χ^2/NDF: 69108520629.5/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:639080.1/13

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:616596.5/11

Left: 0.005+/-0.000 χ^2/NDF: 1263612.3/25

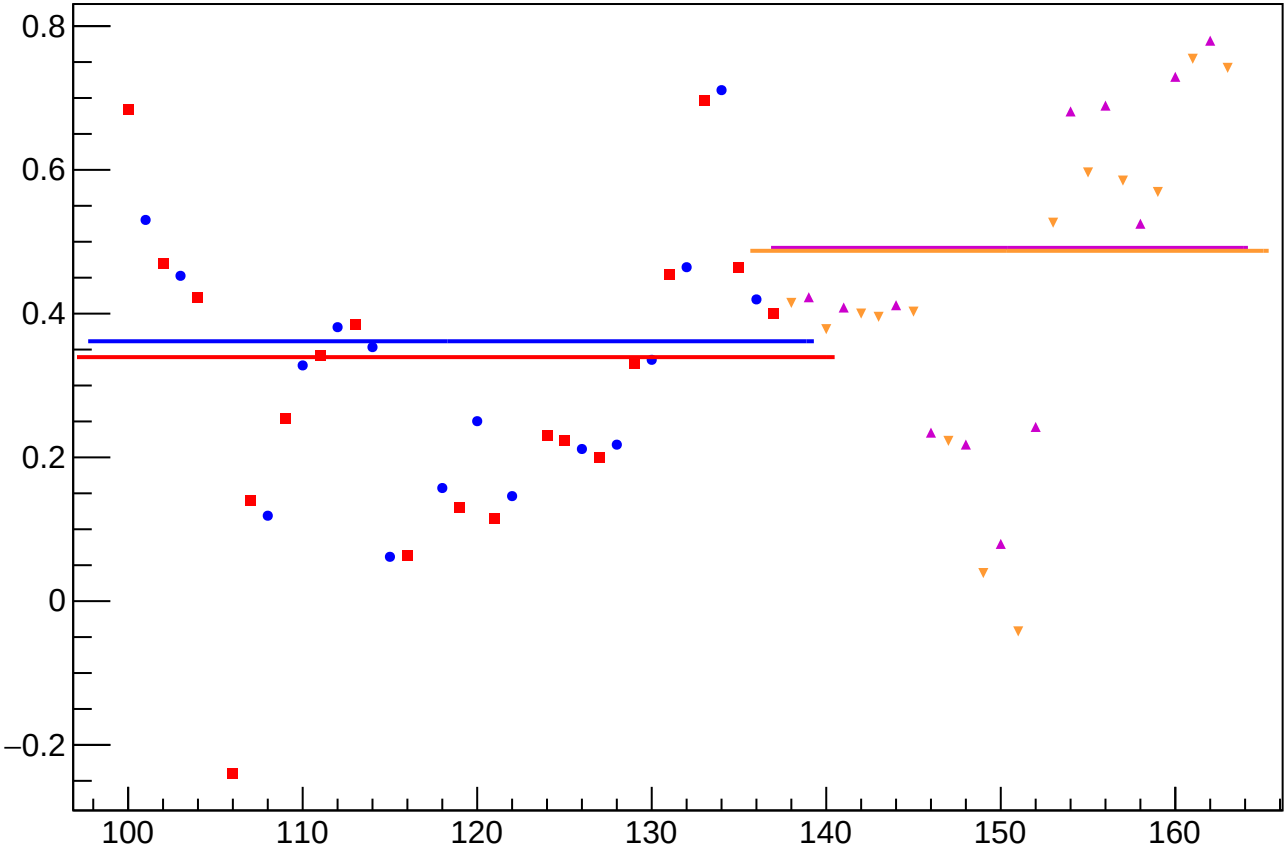
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1634994.6/27

Out: 0.005+/-0.000 χ^2/NDF:1251665.0/32

All: 0.005+/-0.000 χ^2/NDF: 2892621.0/60

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.487+/-0.000 χ^2/NDF:28404038926.5/13

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.491+/-0.000 χ^2/NDF:24025128170.0/11

Left: 0.489+/-0.000 χ^2/NDF: 52433764013.4/25

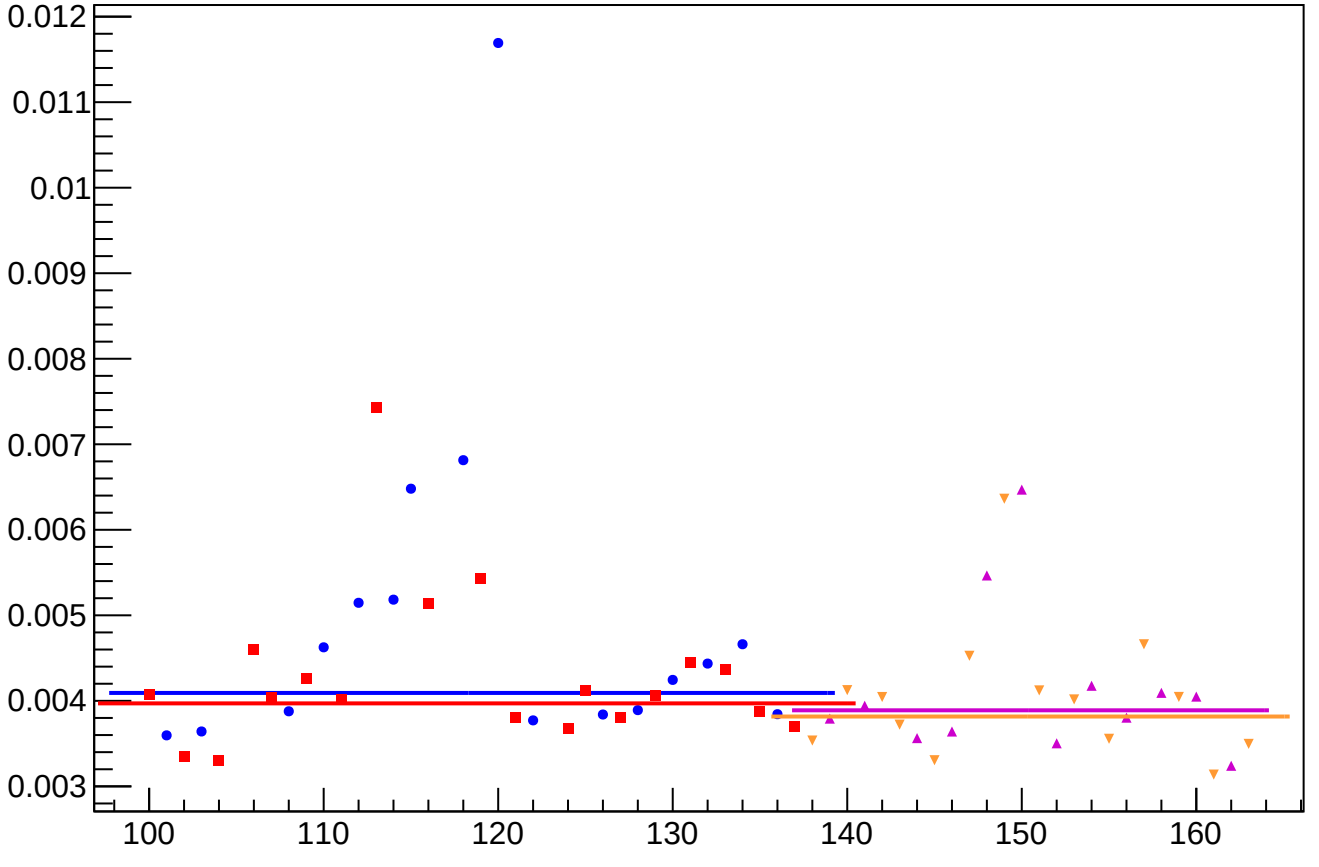
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.438+/-0.000 χ^2/NDF:36433383710.6/27

Out: 0.427+/-0.000 χ^2/NDF:45743106642.3/32

All: 0.432+/-0.000 χ^2/NDF: 82232893939.5/6

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:431237.4/13

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:433565.4/11

Left: 0.004+/-0.000 χ^2/NDF: 867737.5/25

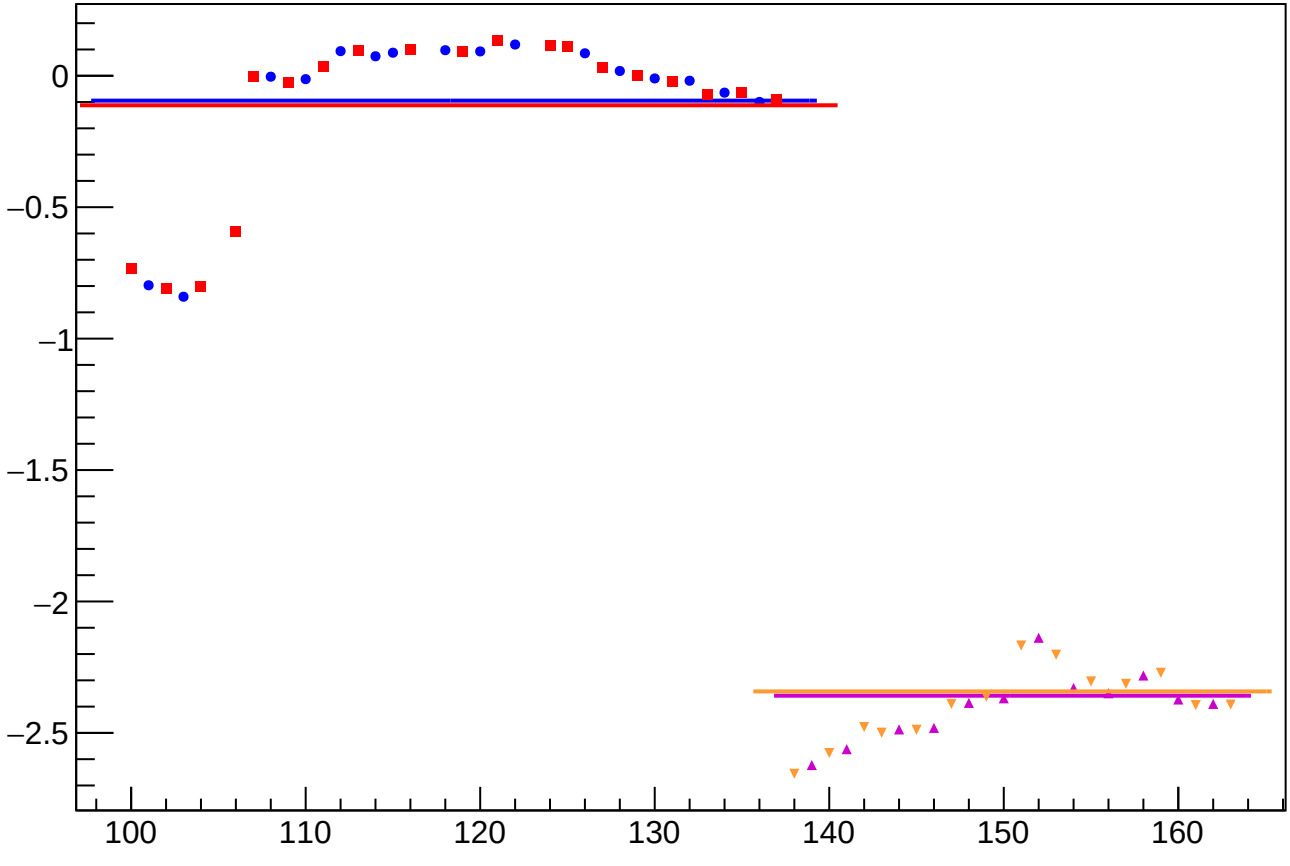
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:943075.3/27

Out: 0.004+/-0.000 χ^2/NDF:756325.1/32

All: 0.004+/-0.000 χ^2/NDF: 1707636.1/60

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.342+/-0.000 χ^2/NDF:1642162807.4/13

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.358+/-0.000 χ^2/NDF:1281838224.3/11

Left: -2.350+/-0.000 χ^2/NDF: 2936832894.1/25

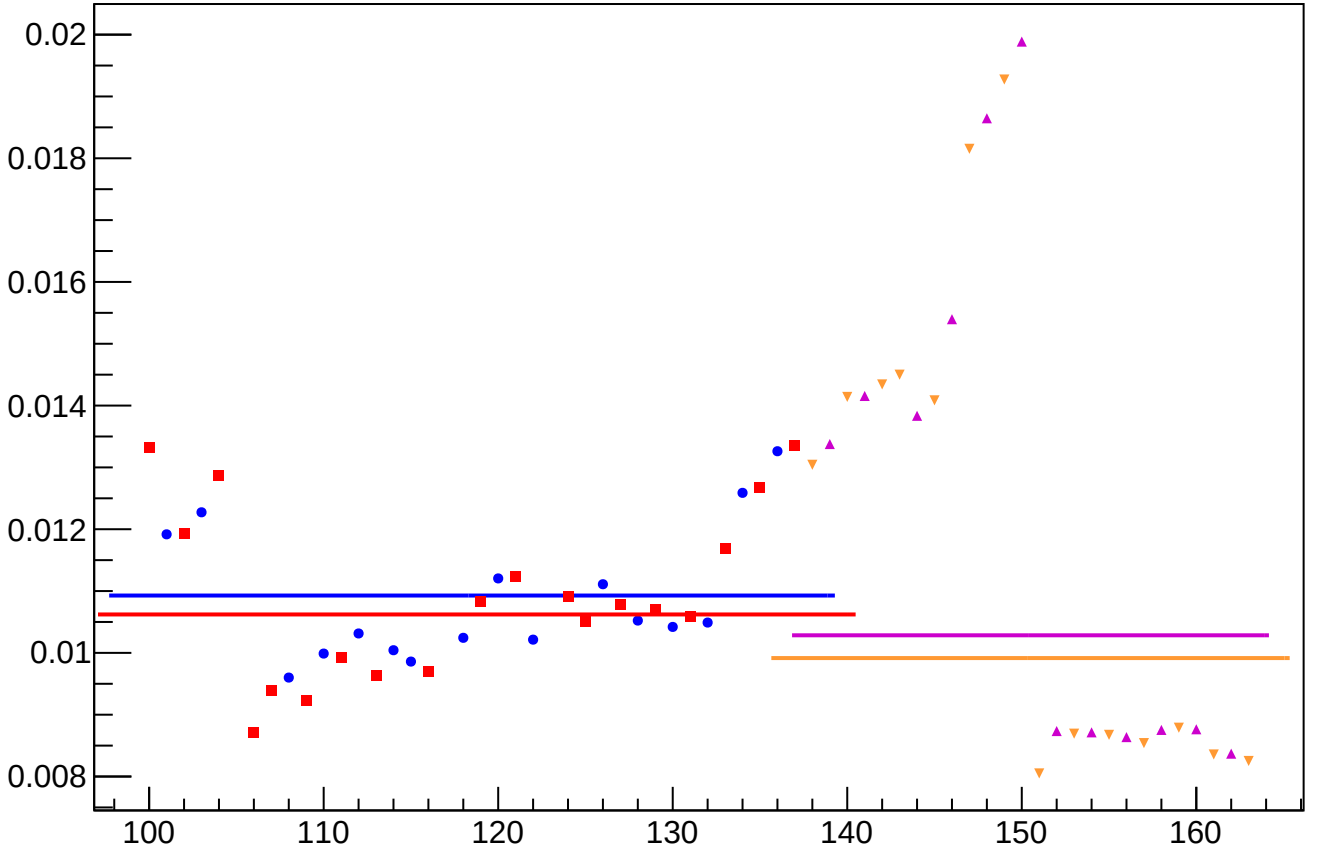
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.453+/-0.000 χ^2/NDF:190155262850.2/27

Out: -1.482+/-0.000 χ^2/NDF:207467253346.6/32

All: -1.469+/-0.000 χ^2/NDF: 397692301003.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:1703368.6/13

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1645068.3/11

Left: 0.010+/-0.000 χ^2/NDF: 3361497.0/25

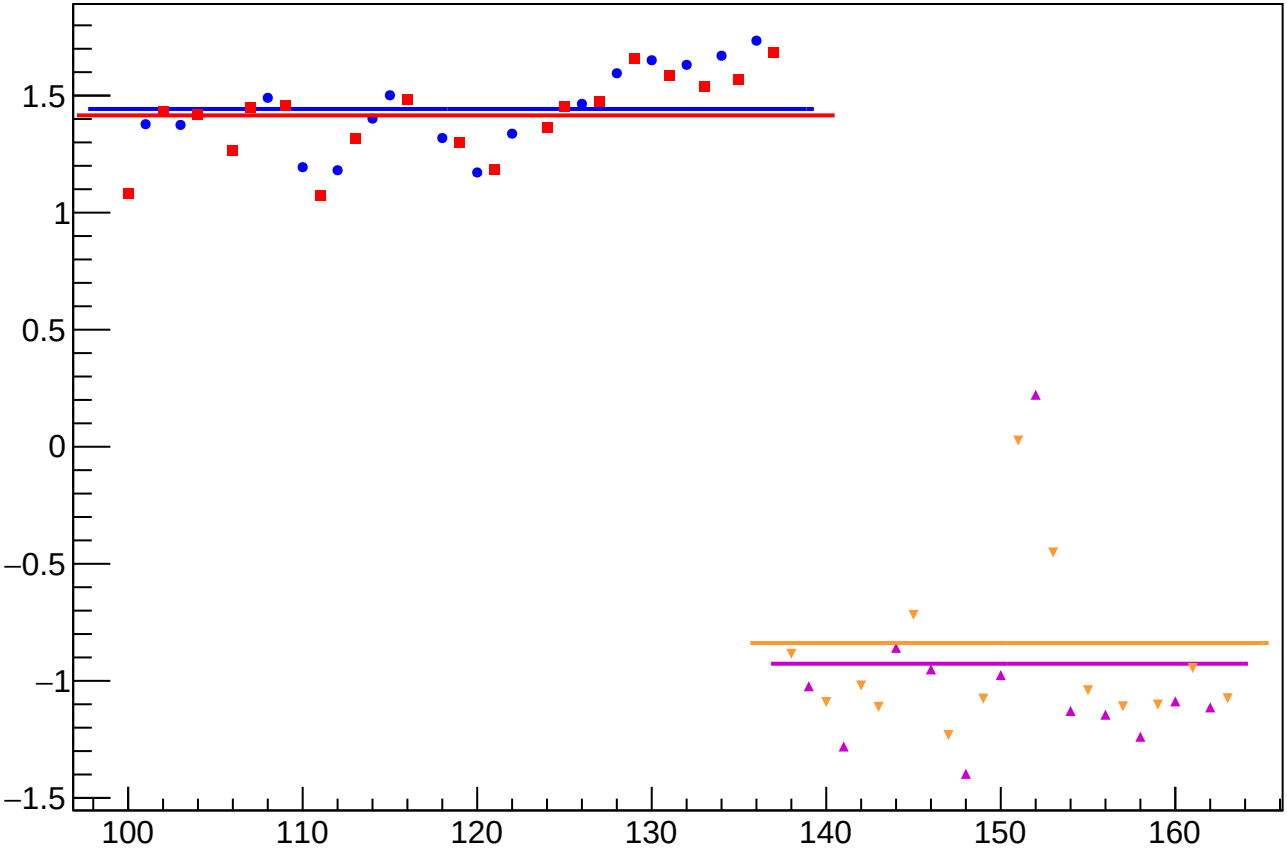
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.011+/-0.000 χ^2/NDF:1811153.6/27

Out: 0.010+/-0.000 χ^2/NDF:1933860.5/32

All: 0.010+/-0.000 χ^2/NDF: 3764862.4/60

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.838+/-0.000 χ^2/NDF:27894461563.3/13

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.927+/-0.000 χ^2/NDF:38670656304.0/11

Left: -0.880+/-0.000 χ^2/NDF: 67248182450.9/25

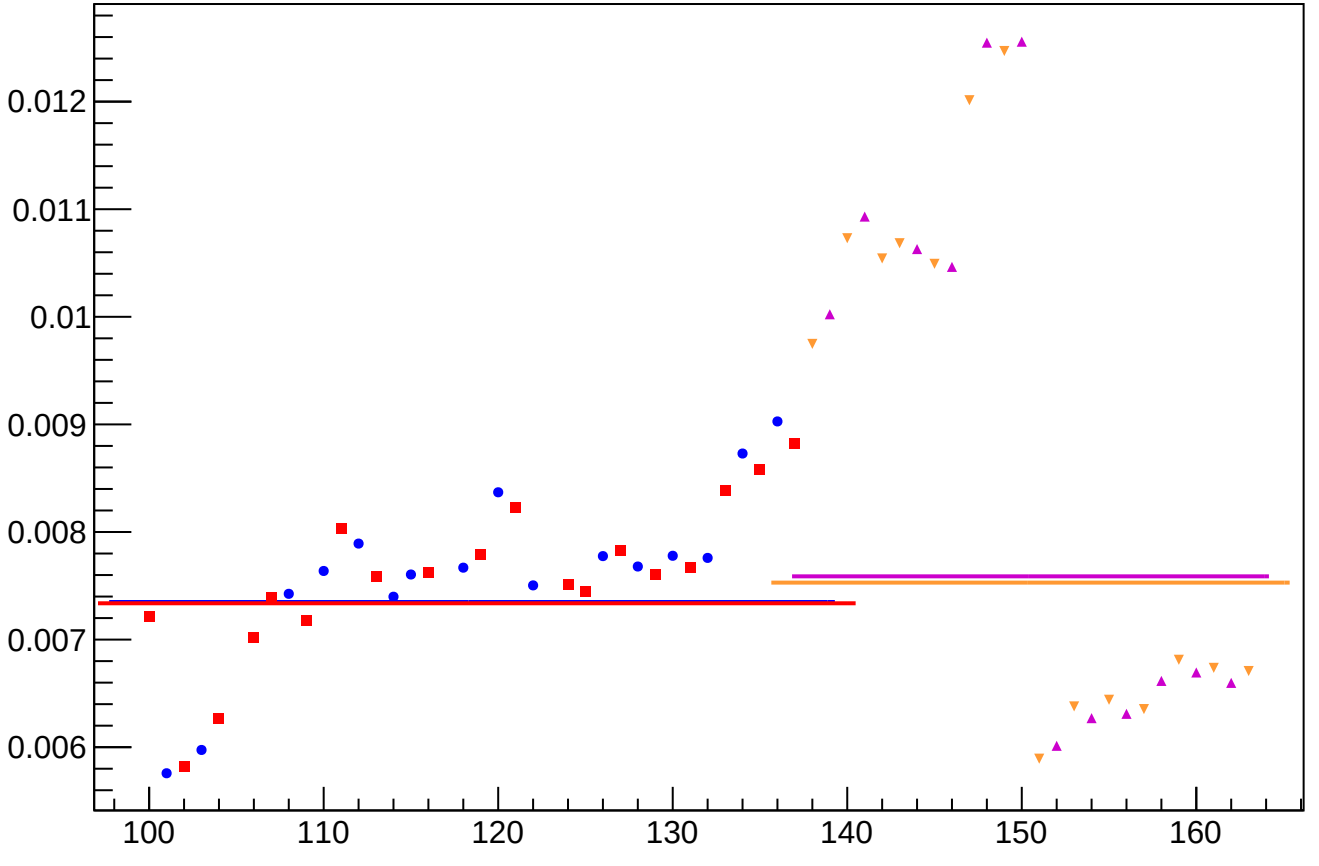
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.116+/-0.000 χ^2/NDF:453546222832.1/27

Out: 0.125+/-0.000 χ^2/NDF:428885837898.0/32

All: 0.121+/-0.000 χ^2/NDF: 882443741819.1

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:1412830.7/13

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1452897.8/11

Left: 0.008+/-0.000 χ^2/NDF: 2866321.2/25

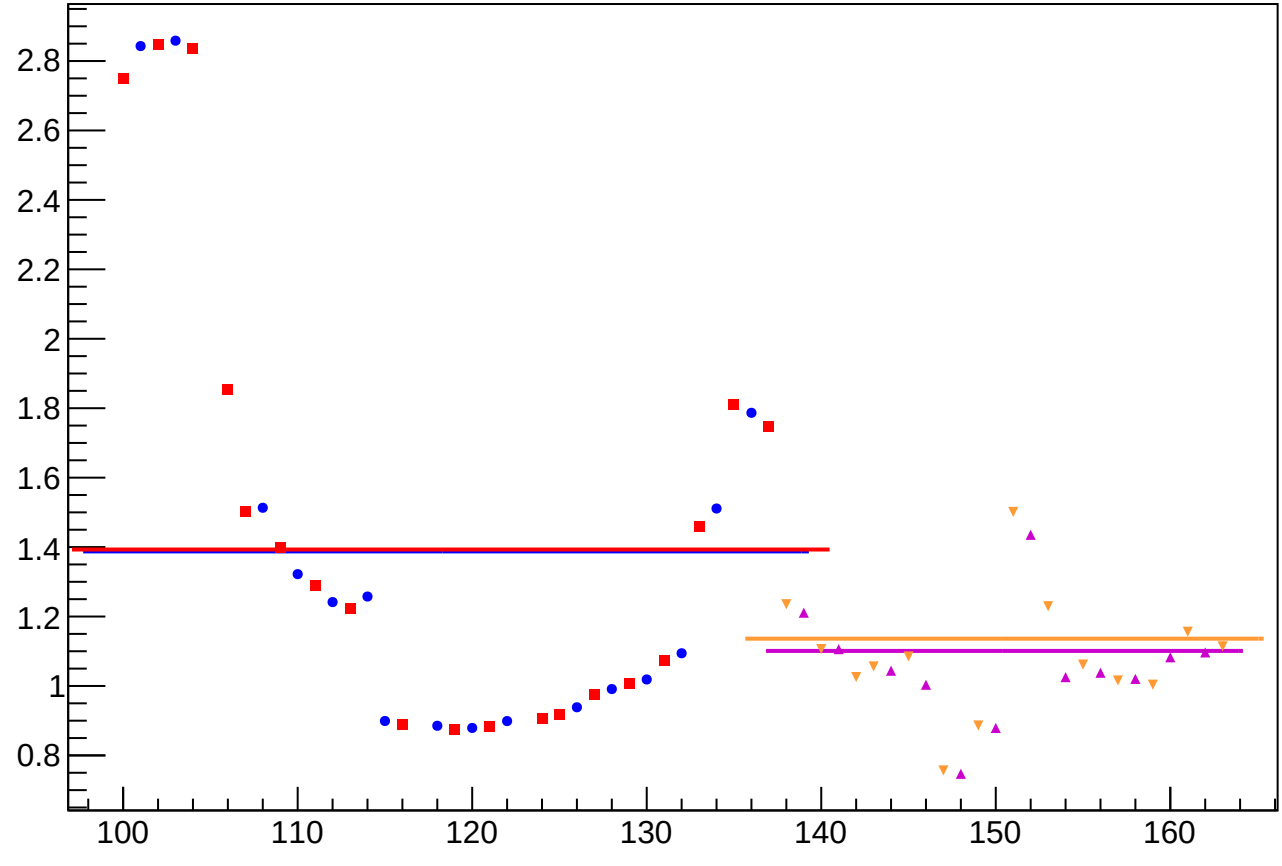
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1732095.8/27

Out: 0.007+/-0.000 χ^2/NDF:1613989.2/32

All: 0.007+/-0.000 χ^2/NDF: 3346471.1/60

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.136+/-0.000 χ^2/NDF:5318695407.9/13

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.101+/-0.000 χ^2/NDF:4144324077.8/11

Left: 1.120+/-0.000 χ^2/NDF: 9576840357.0/25

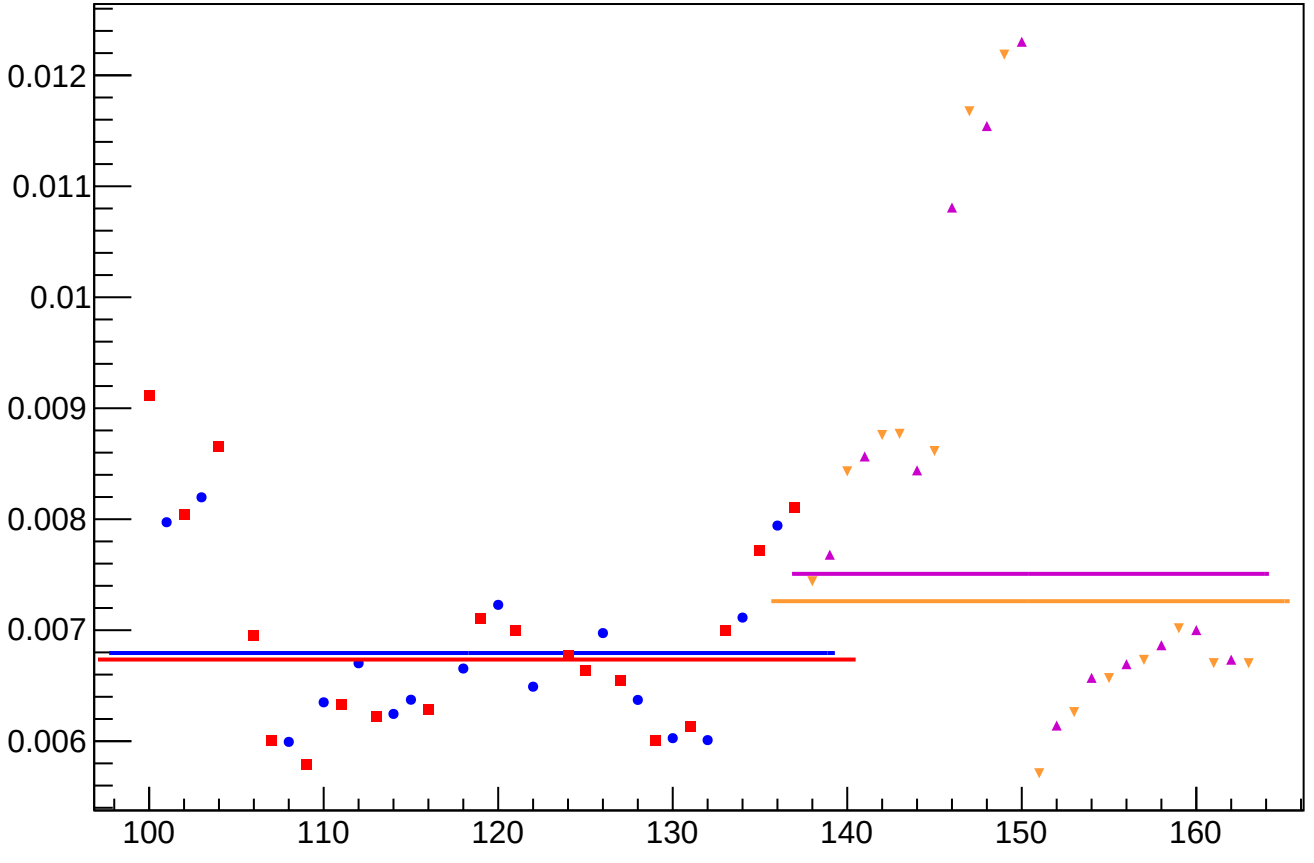
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.237+/-0.000 χ^2/NDF:69405254789.5/27

Out: 1.252+/-0.000 χ^2/NDF:66545864971.4/32

All: 1.245+/-0.000 χ^2/NDF: 135991630531.0

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:810571.6/13

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:830343.8/11

Left: 0.007+/-0.000 χ^2/NDF: 1652000.9/25

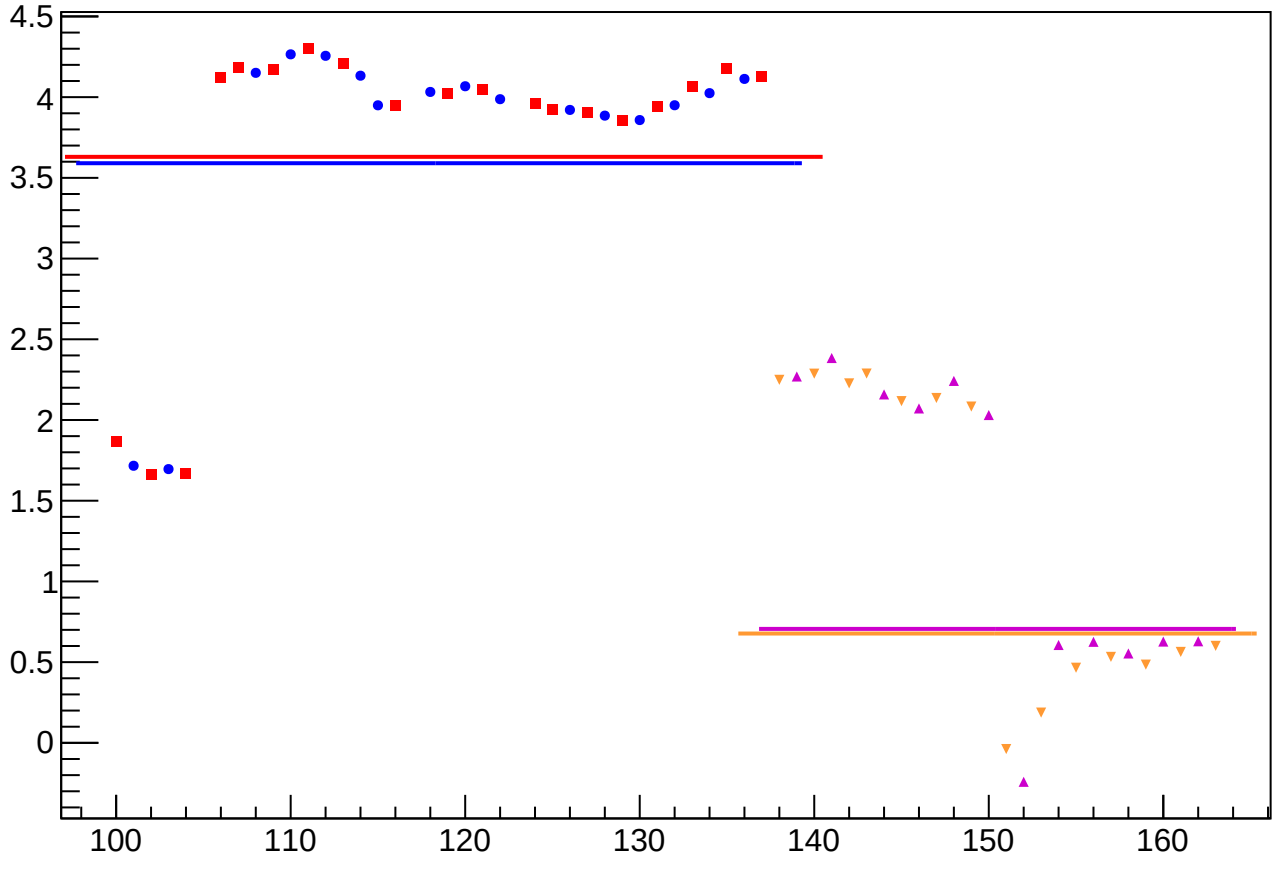
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1077174.2/27

Out: 0.007+/-0.000 χ^2/NDF:1058236.9/32

All: 0.007+/-0.000 χ^2/NDF: 2142641.3/60

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.677+/-0.000 χ^2/NDF:243945268490.3/13

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.706+/-0.000 χ^2/NDF:241781919334.5/11

Left: 0.691+/-0.000 χ^2/NDF: 485930979604.5/25

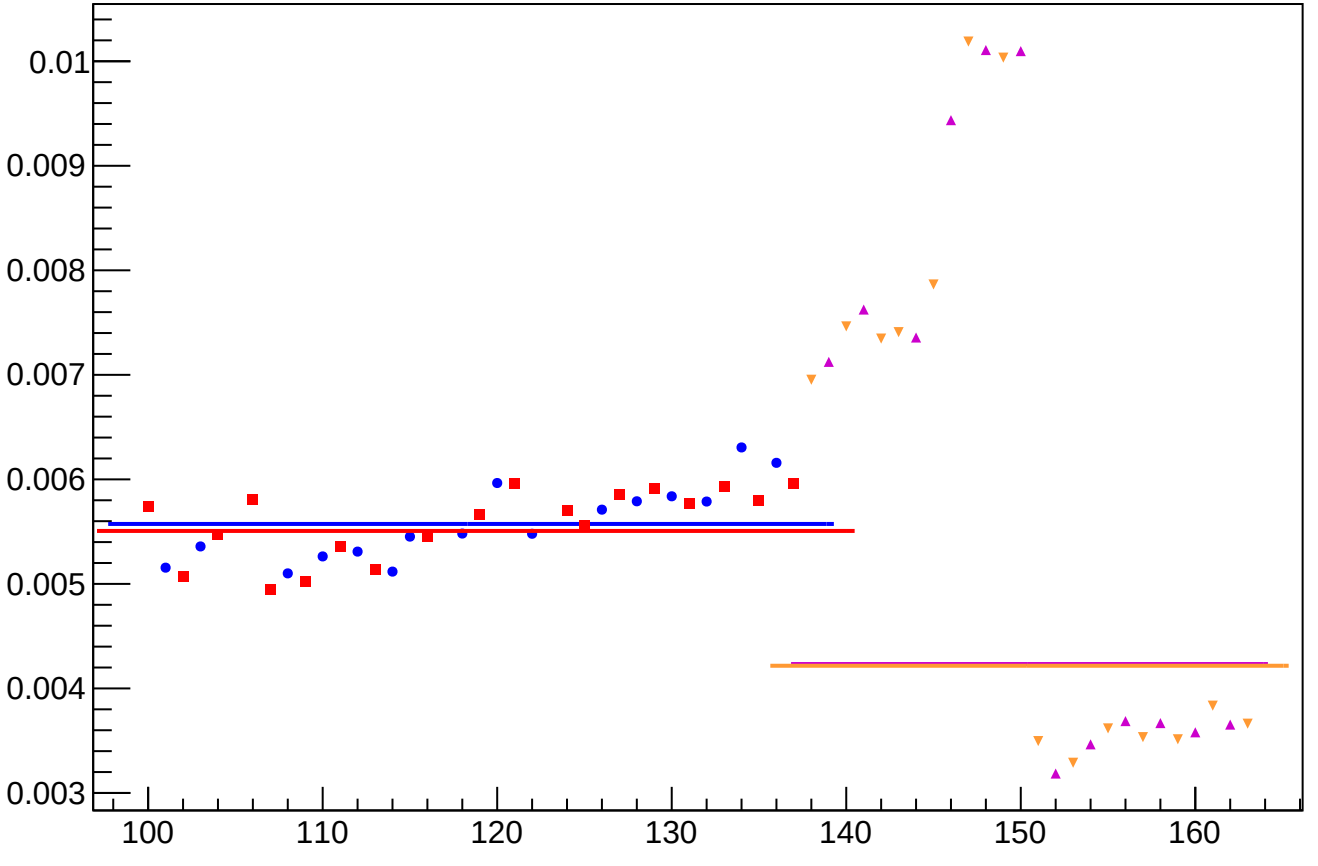
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.653+/-0.000 χ^2/NDF:1733737801051.0/27

Out: 1.613+/-0.000 χ^2/NDF:1890964094701.0/32

All: 1.632+/-0.000 χ^2/NDF: 3625285682961.

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:2742884.4/13

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:2909994.7/11

Left: 0.004+/-0.000 χ^2/NDF: 5653013.8/25

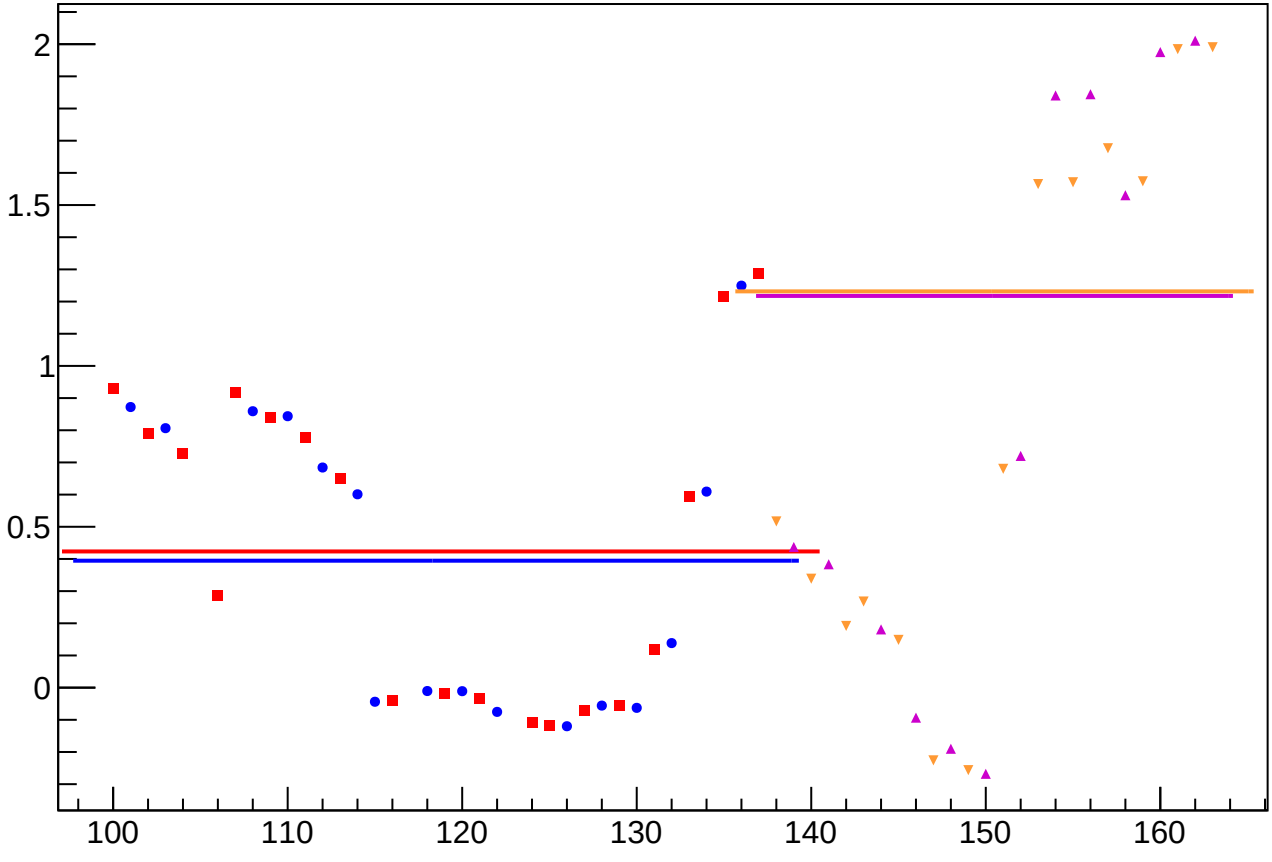
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.005+/-0.000 χ^2/NDF:3525792.5/27

Out: 0.005+/-0.000 χ^2/NDF:3347571.4/32

All: 0.005+/-0.000 χ^2/NDF: 6875028.2/60

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.232+/-0.000 χ^2/NDF:41897971117.3/13

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.218+/-0.000 χ^2/NDF:45805486819.2/11

Left: 1.225+/-0.000 χ^2/NDF: 87711049617.6/25

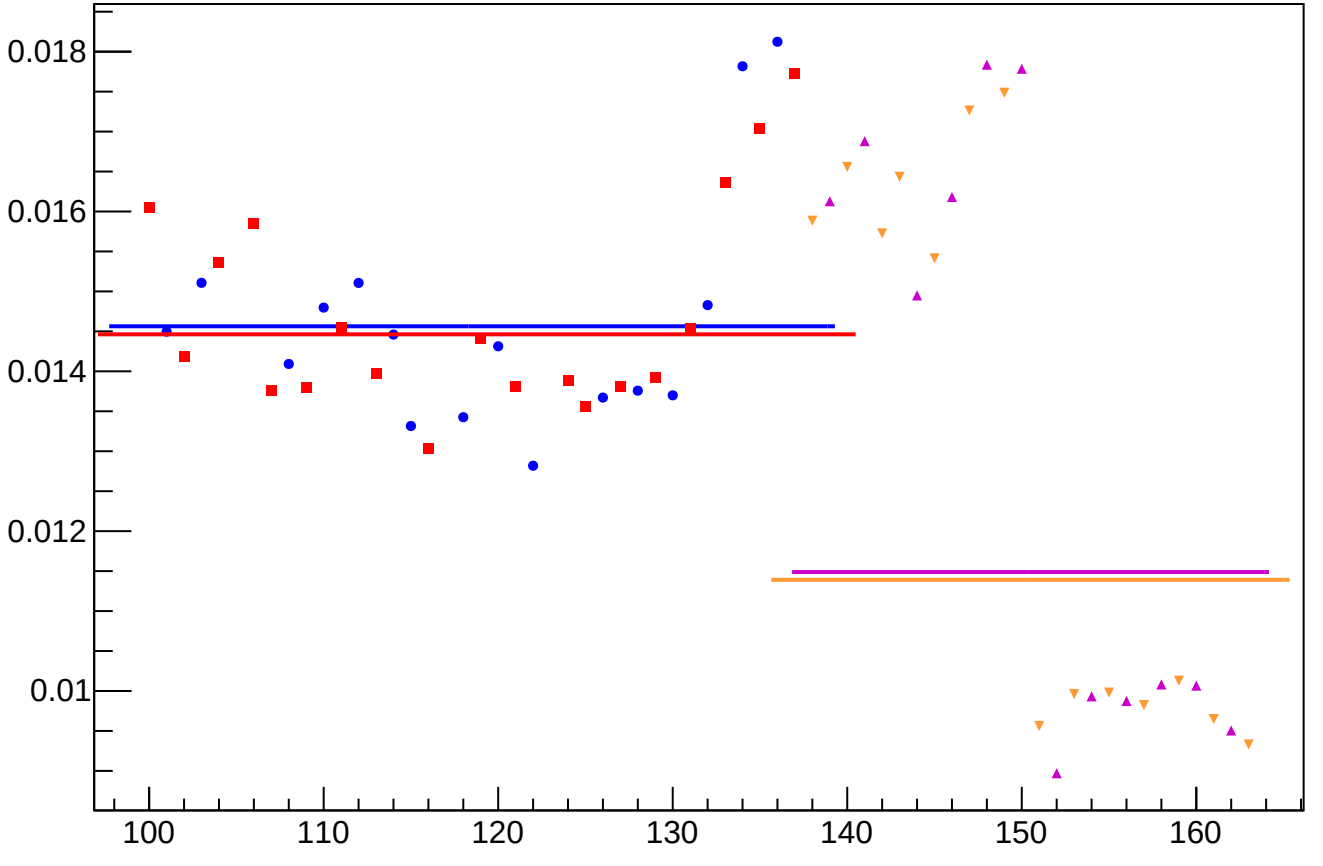
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.957+/-0.000 χ^2/NDF:68712998469.3/27

Out: 0.986+/-0.000 χ^2/NDF:64638263076.8/32

All: 0.972+/-0.000 χ^2/NDF: 133396059904.9

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1324878.6/13

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1347605.6/11

Left: 0.011+/-0.000 χ^2/NDF: 2673193.9/25

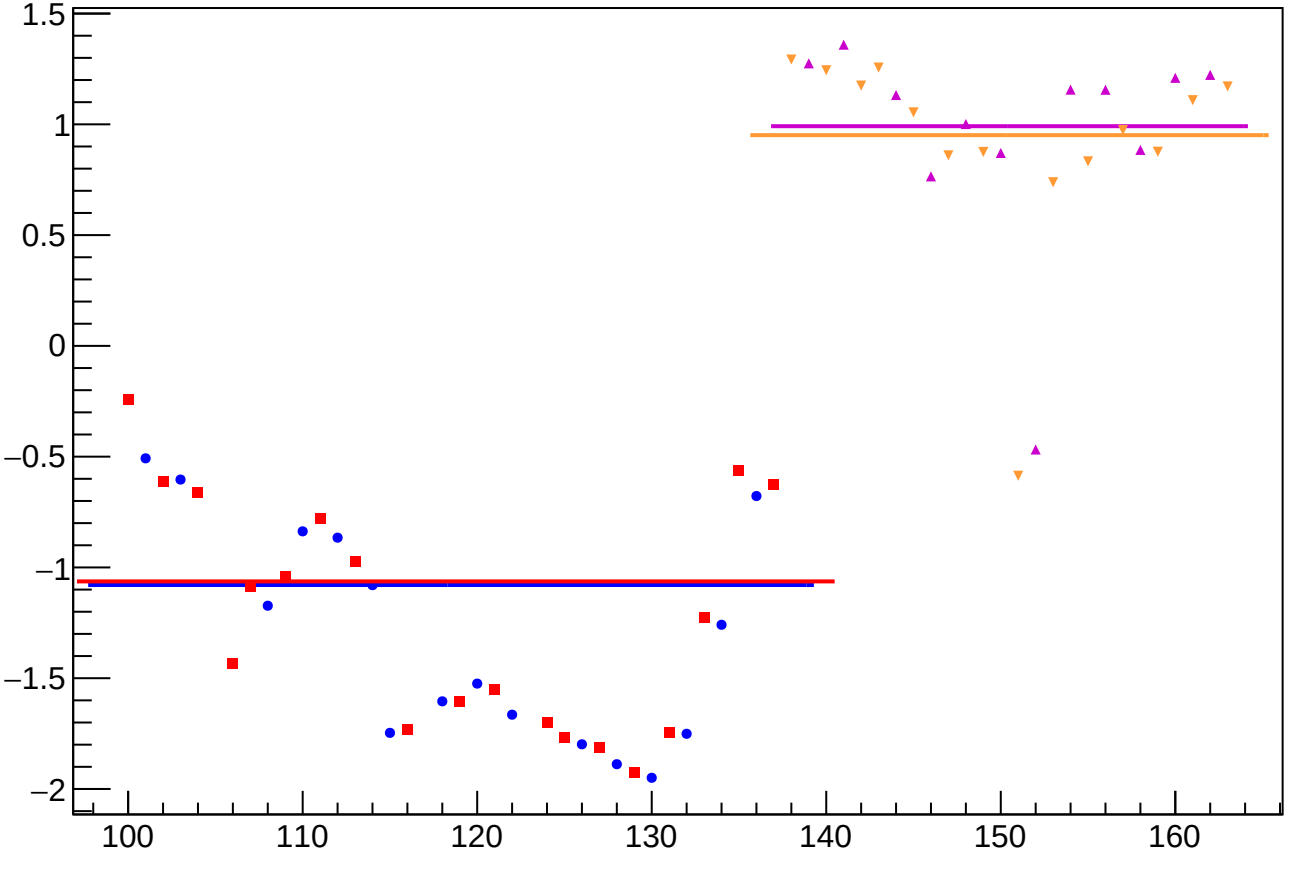
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:1913464.0/27

Out: 0.012+/-0.000 χ^2/NDF:1859475.1/32

All: 0.012+/-0.000 χ^2/NDF: 3774947.2/60

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.951+/-0.000 χ^2/NDF:104326276717.9/13

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.992+/-0.000 χ^2/NDF:119463752786.7/11

Left: 0.970+/-0.000 χ^2/NDF: 224380536696.8/25

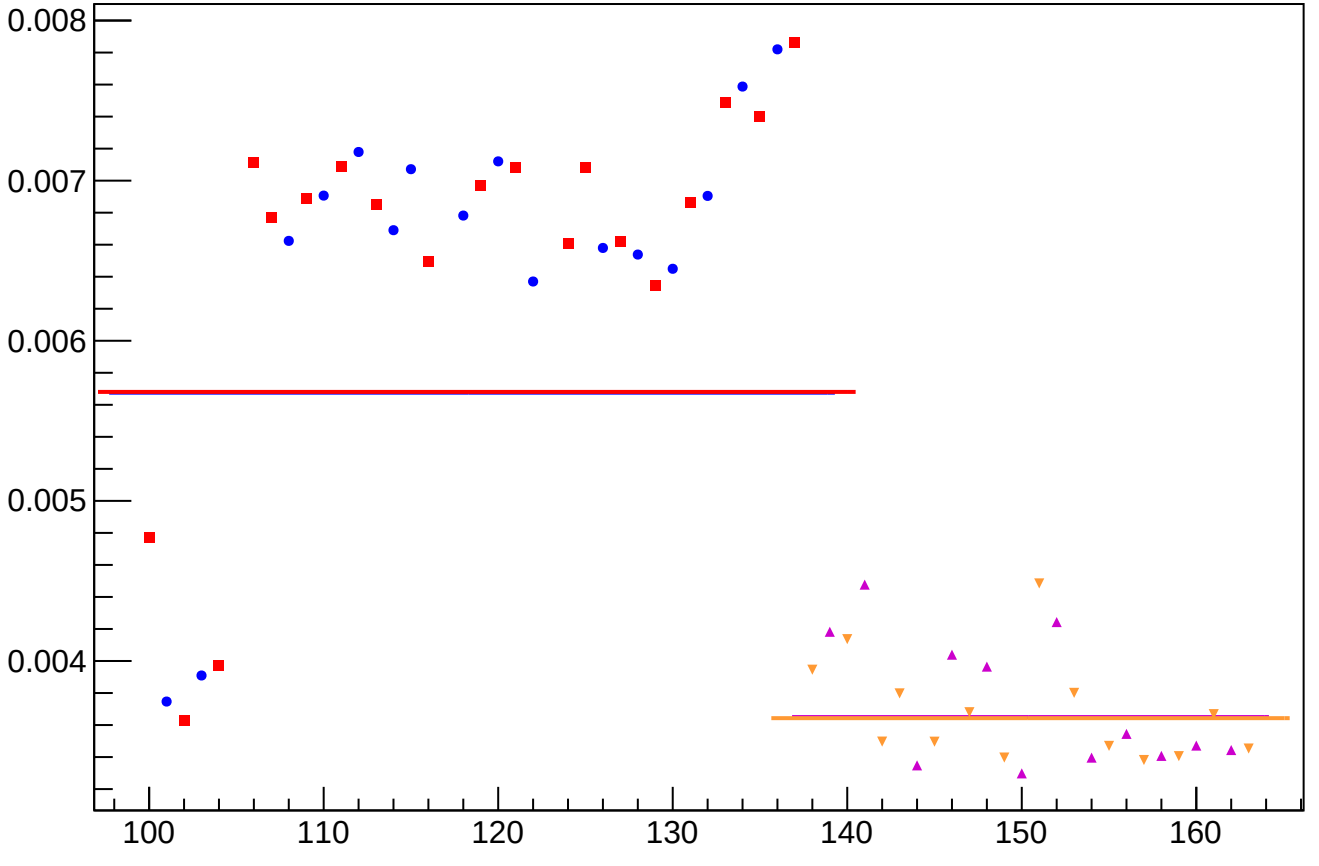
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.530+/-0.000 χ^2/NDF:838077415839.9/27

Out: 0.530+/-0.000 χ^2/NDF:795318137340.6/32

All: 0.530+/-0.000 χ^2/NDF: 1633395773258.

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:120715.8/13

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:194058.0/11

Left: 0.004+/-0.000 χ^2/NDF: 314809.2/25

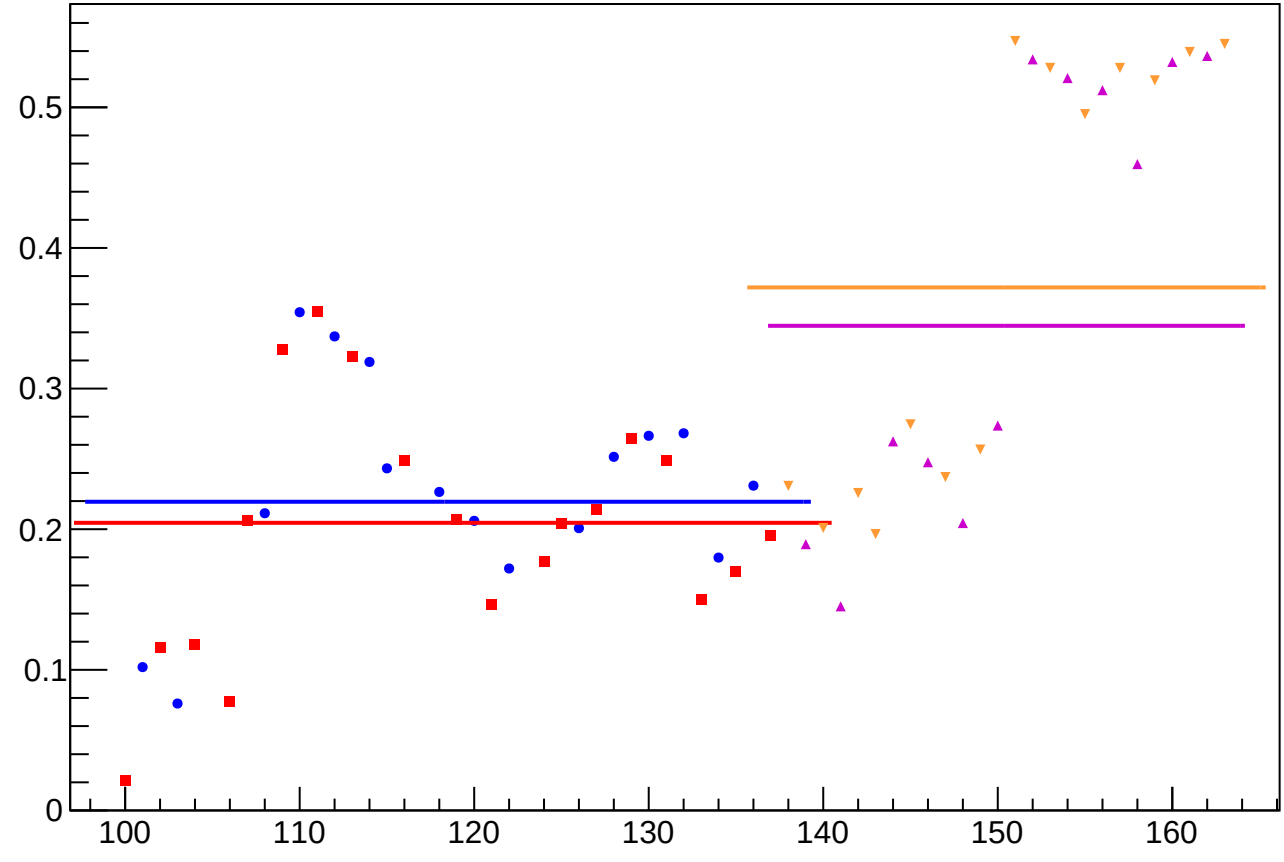
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2400001.3/27

Out: 0.004+/-0.000 χ^2/NDF:2413414.2/32

All: 0.004+/-0.000 χ^2/NDF: 4814350.6/60

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.372+/-0.000 χ^2/NDF:114228466055.3/13

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.345+/-0.000 χ^2/NDF:98025584646.7/11

Left: 0.359+/-0.000 χ^2/NDF: 213976588274.2/25

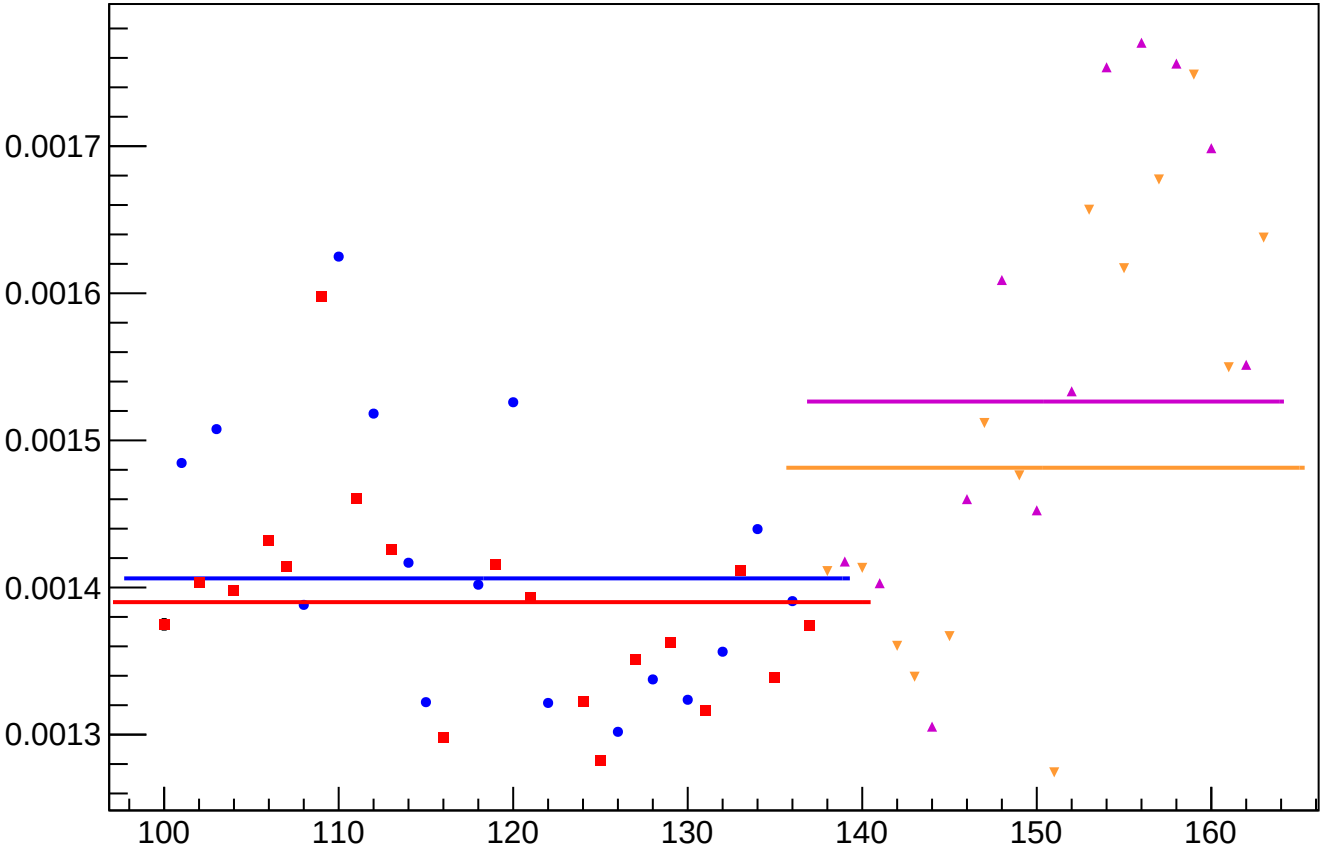
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.288+/-0.000 χ^2/NDF:145037632113.1/27

Out: 0.300+/-0.000 χ^2/NDF:196978080424.0/32

All: 0.294+/-0.000 χ^2/NDF: 342534738104.5

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:199403.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:193504.3/11

Left: 0.002+/-0.000 χ^2/NDF: 402279.7/25

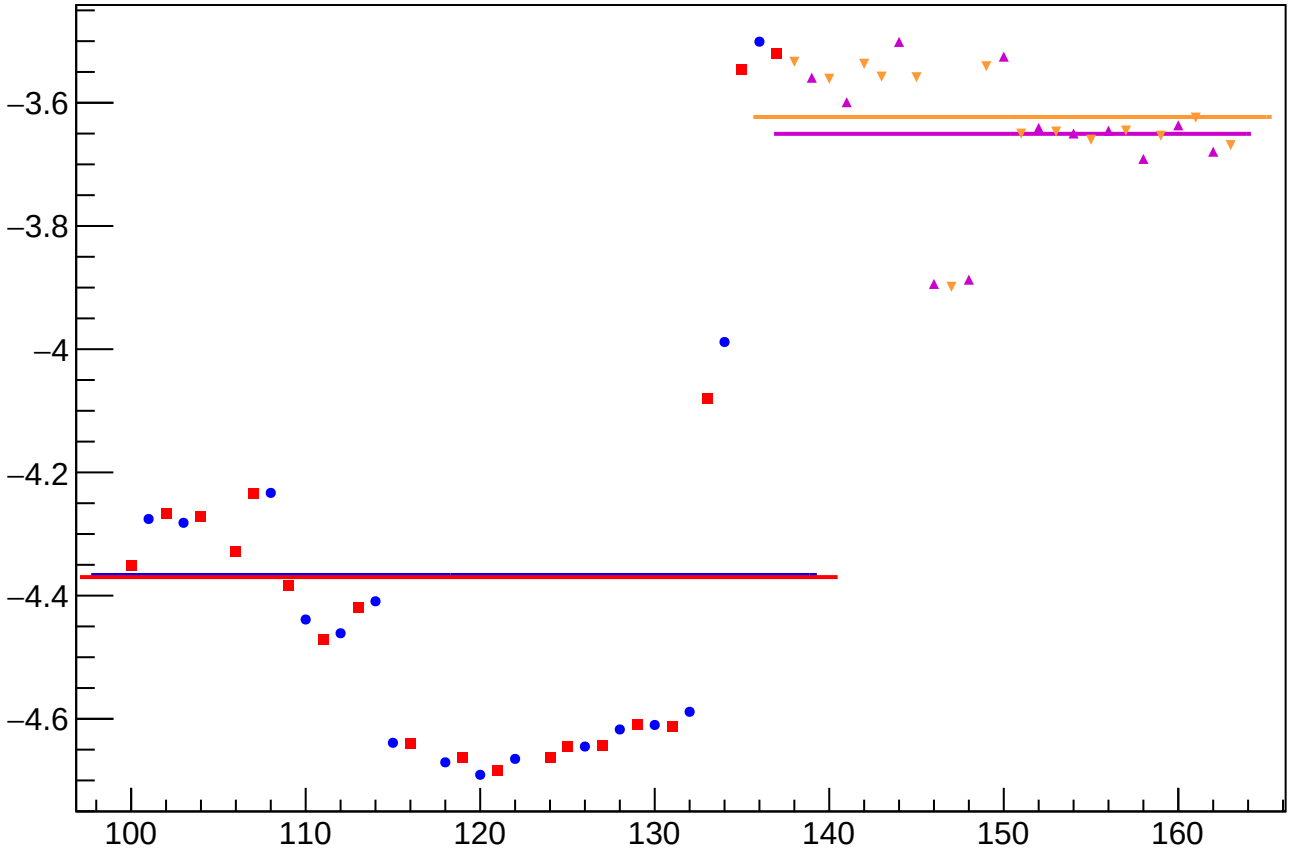
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:297603.6/27

Out: 0.001+/-0.000 χ^2/NDF:270194.3/32

All: 0.001+/-0.000 χ^2/NDF: 575485.9/60

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.623+/-0.000 χ^2/NDF:20875122324.3/13

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.650+/-0.000 χ^2/NDF:33170541456.3/11

Left: -3.636+/-0.000 χ^2/NDF: 55188052479.1/25

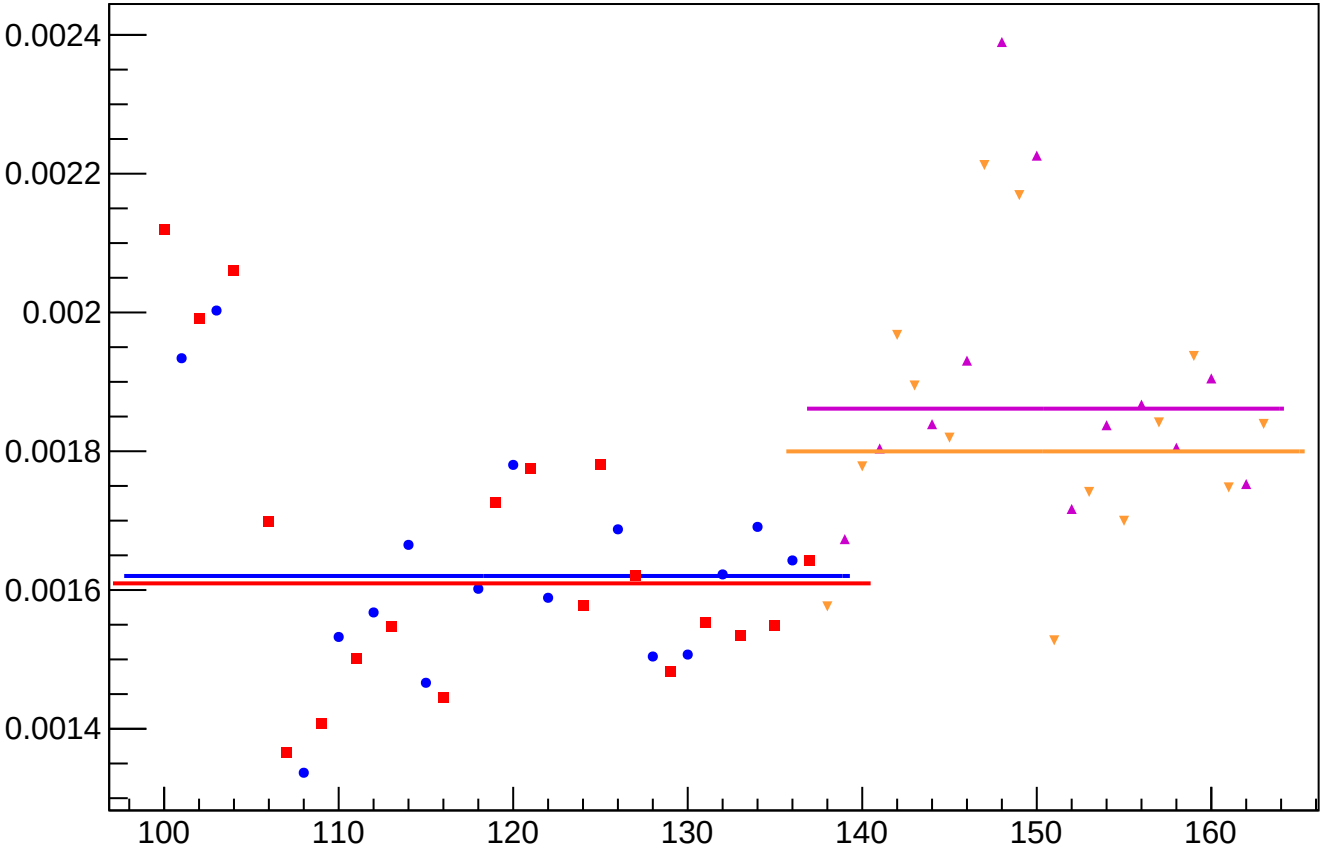
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.993+/-0.000 χ^2/NDF:1086328009351.1/27

Out: -3.963+/-0.000 χ^2/NDF:1152269053956.3/32

All: -3.977+/-0.000 χ^2/NDF: 2241213465357

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:211767.3/13

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:170022.4/11

Left: 0.002+/-0.000 χ^2/NDF: 393381.5/25

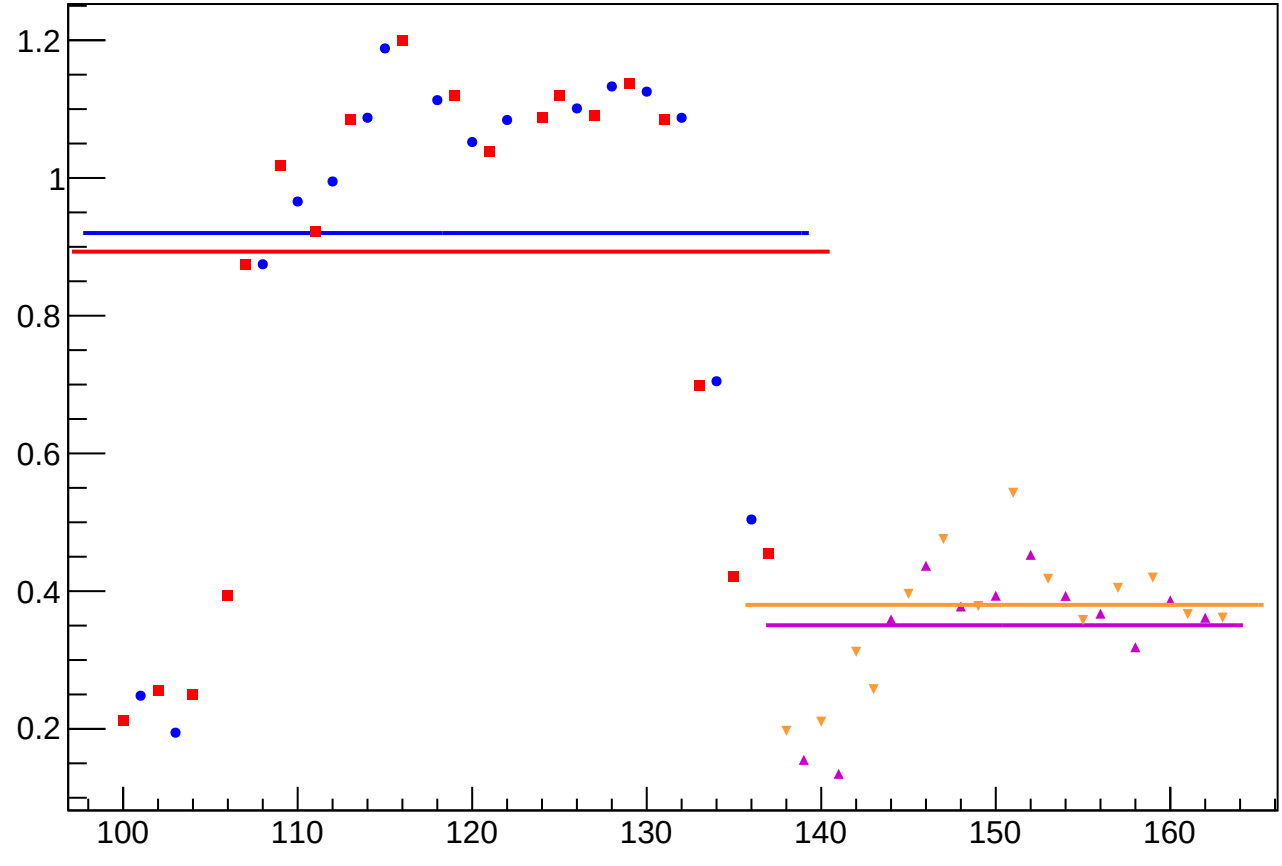
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:469003.5/27

Out: 0.002+/-0.000 χ^2/NDF:505076.0/32

All: 0.002+/-0.000 χ^2/NDF: 980233.2/60

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.380+/-0.000 χ^2/NDF:1675776703.1/13

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.350+/-0.000 χ^2/NDF:1386911421.7/11

Left: 0.366+/-0.000 χ^2/NDF: 3143802687.4/25

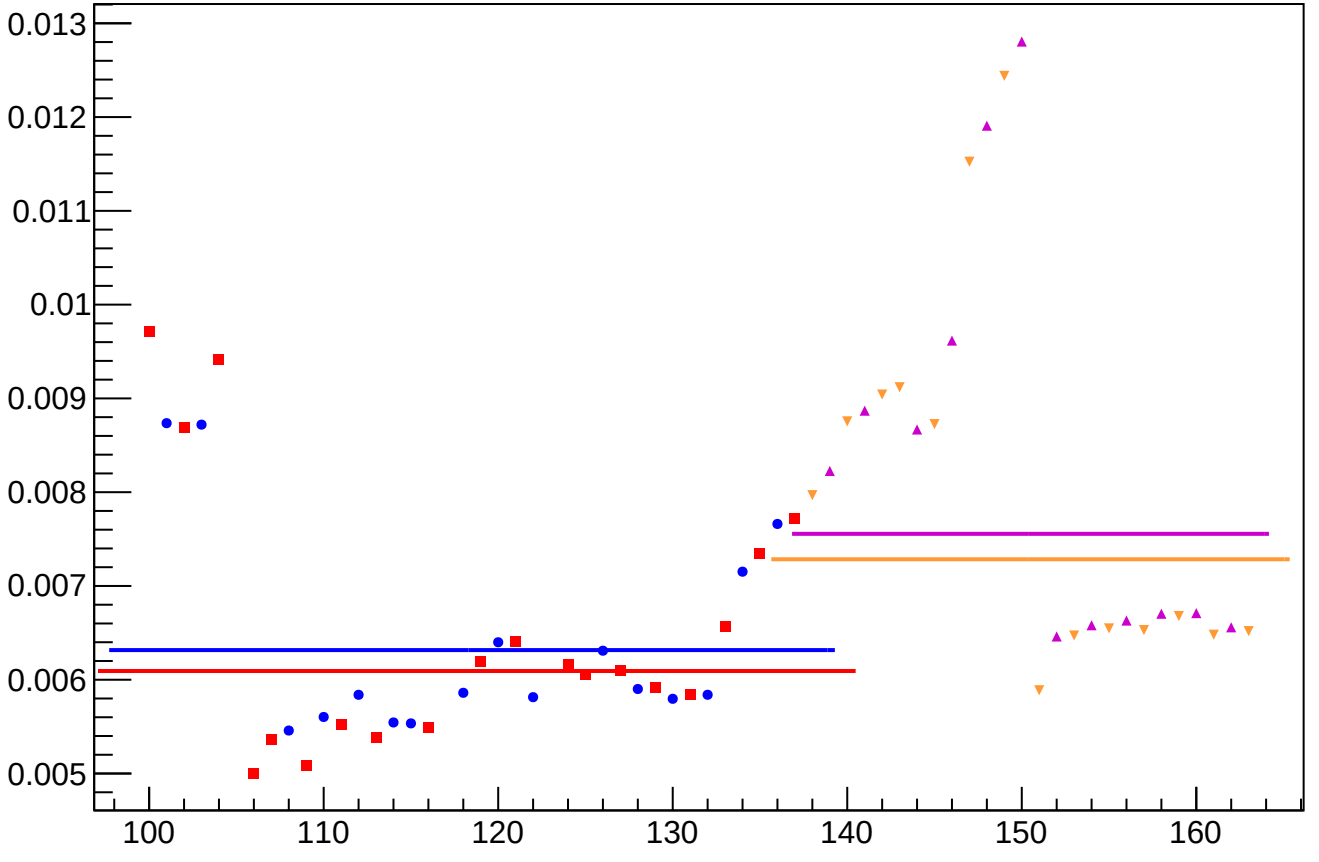
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.638+/-0.000 χ^2/NDF:44175643445.4/27

Out: 0.633+/-0.000 χ^2/NDF:45348971928.0/32

All: 0.636+/-0.000 χ^2/NDF: 89528901486.1/6

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:933503.5/13

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.008+/-0.000 χ^2/NDF:893909.9/11

Left: 0.007+/-0.000 χ^2/NDF: 1841051.3/25

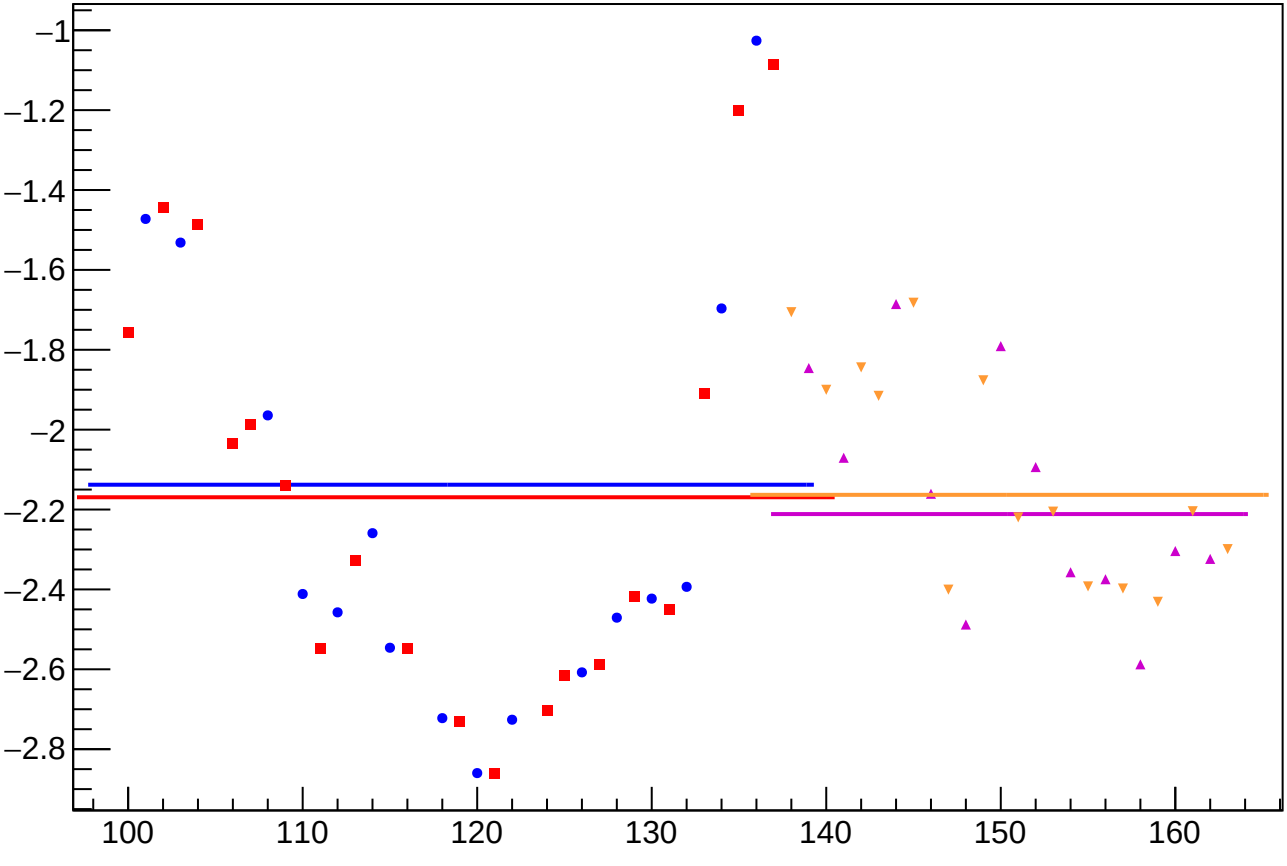
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1497129.9/27

Out: 0.007+/-0.000 χ^2/NDF:1650336.0/32

All: 0.007+/-0.000 χ^2/NDF: 3167630.1/60

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.163+/-0.000 χ^2/NDF:15195166535.3/13

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.211+/-0.000 χ^2/NDF:14286362505.2/11

Left: -2.186+/-0.000 χ^2/NDF: 29756082229.4/25

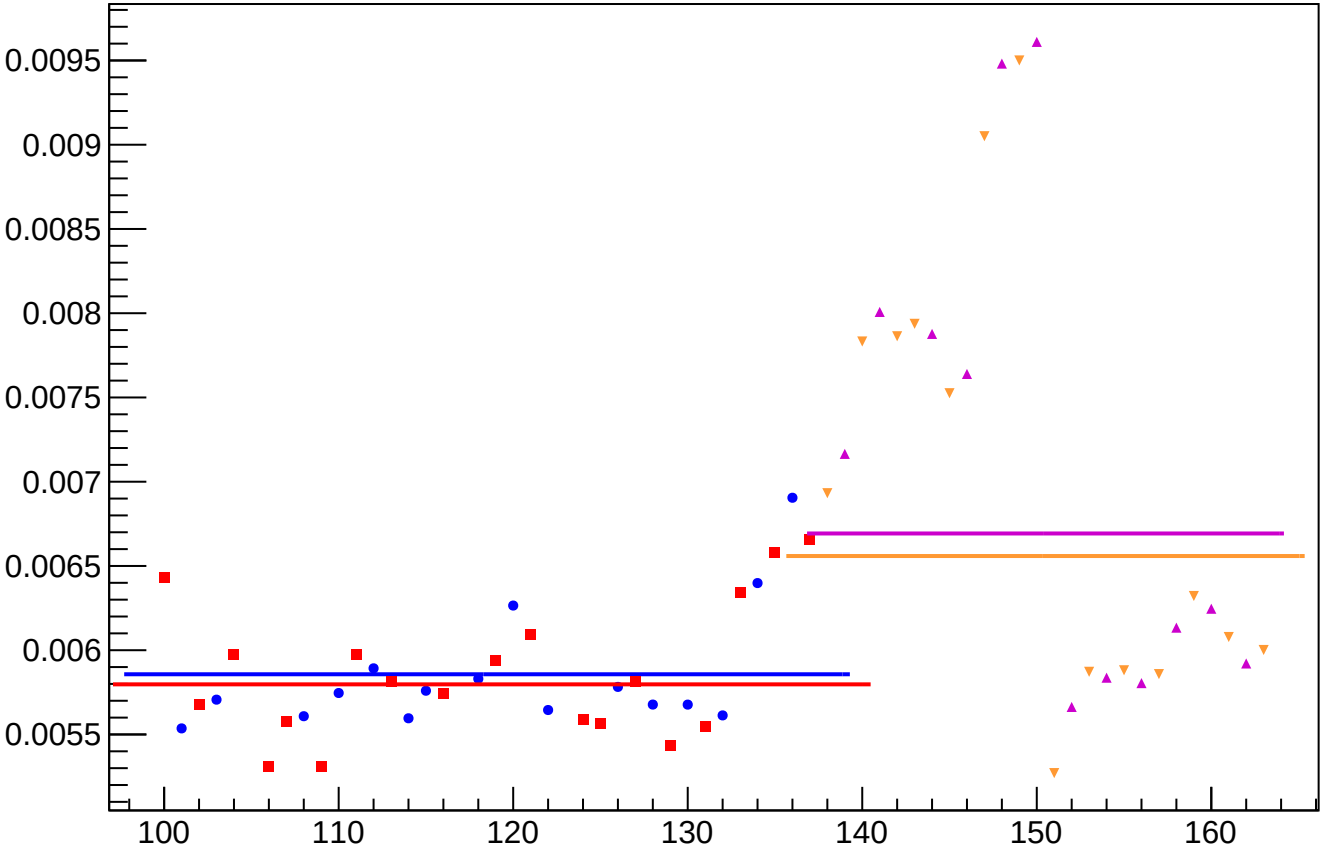
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.176+/-0.000 χ^2/NDF:80537047757.9/27

Out: -2.166+/-0.000 χ^2/NDF:72608696561.2/32

All: -2.171+/-0.000 χ^2/NDF: 153167285430.3

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:628416.9/13

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:615350.0/11

Left: 0.007+/-0.000 χ^2/NDF: 1248010.9/25

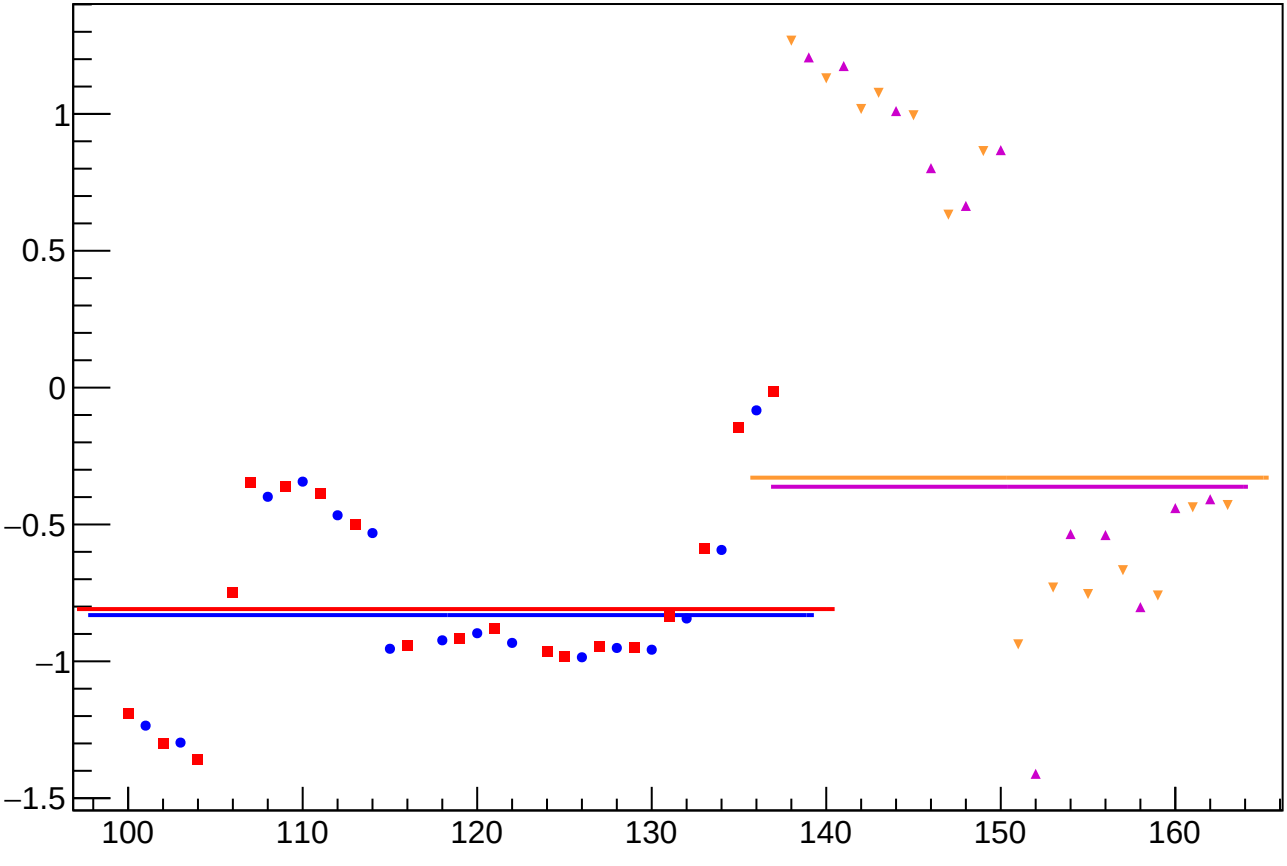
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:828353.2/27

Out: 0.006+/-0.000 χ^2/NDF:821564.7/32

All: 0.006+/-0.000 χ^2/NDF: 1653287.9/60

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.329+/-0.000 χ^2/NDF:76936144376.2/13

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.362+/-0.000 χ^2/NDF:86992238935.0/11

Left: -0.345+/-0.000 χ^2/NDF: 164011808906.4/25

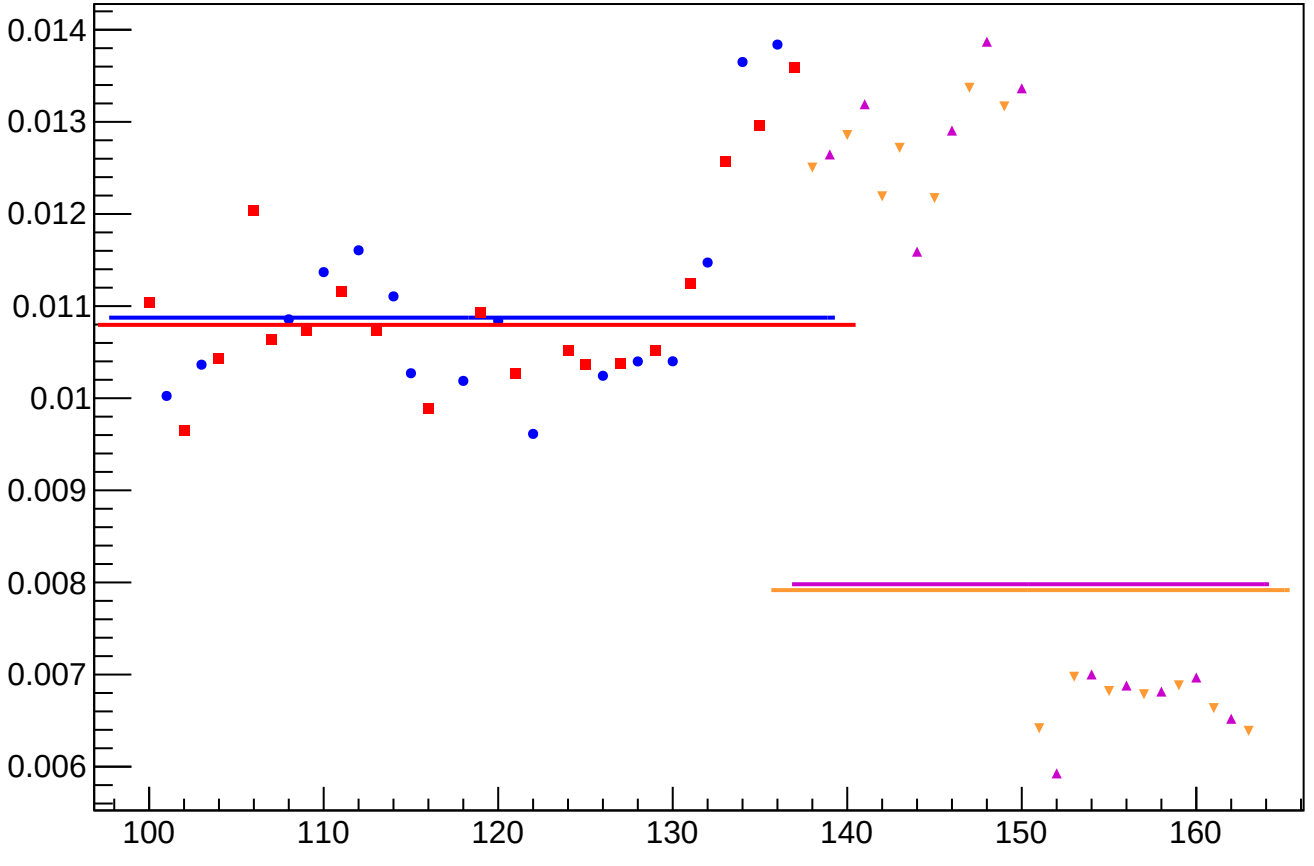
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.499+/-0.000 χ^2/NDF:103360645141.5/27

Out: -0.464+/-0.000 χ^2/NDF:95366409606.7/32

All: -0.481+/-0.000 χ^2/NDF: 198861610436.0

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:1897675.0/13

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1940053.7/11

Left: 0.008+/-0.000 χ^2/NDF: 3838342.0/25

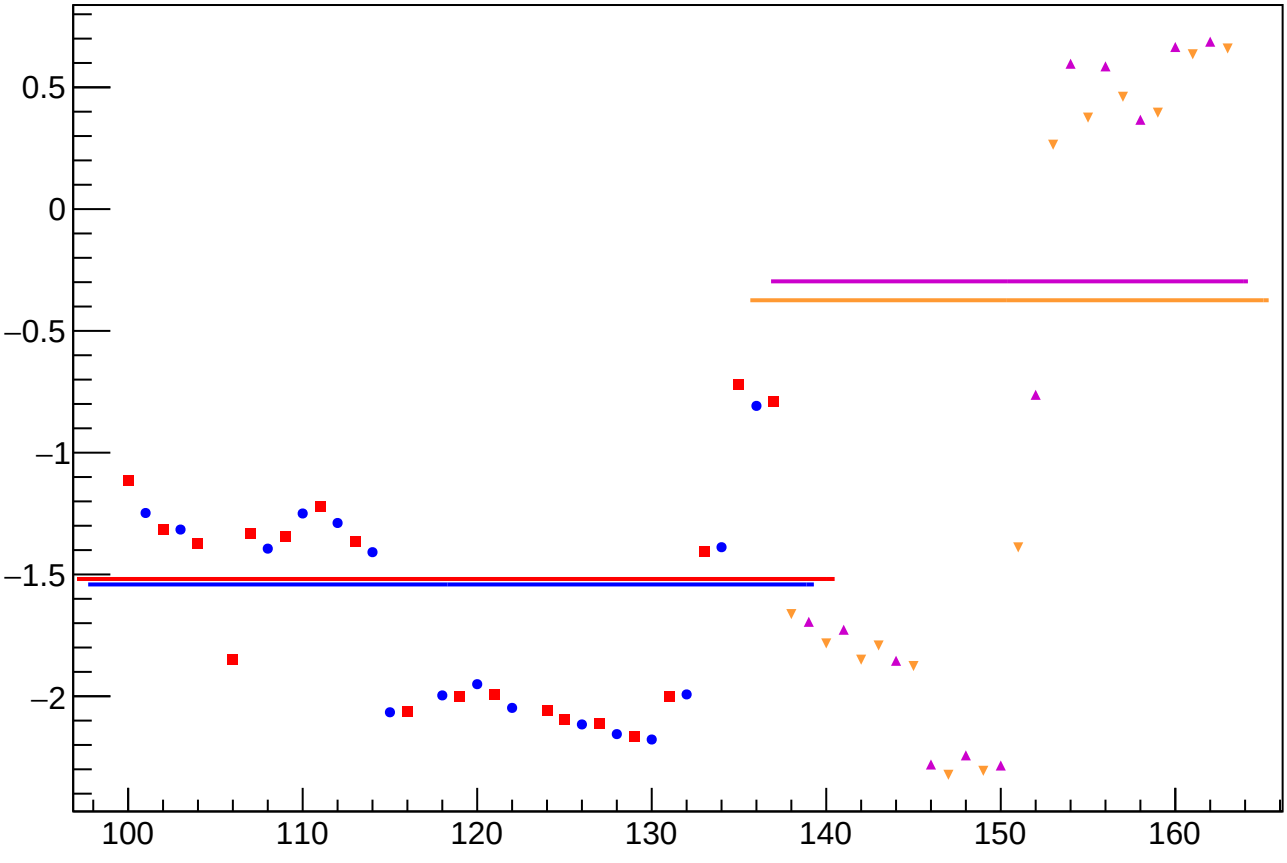
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.009+/-0.000 χ^2/NDF:2802768.0/27

Out: 0.009+/-0.000 χ^2/NDF:2736456.7/32

All: 0.009+/-0.000 χ^2/NDF: 5541434.2/60

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.374+/-0.000 χ^2/NDF:1712350826648.8/13

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -0.297+/-0.000 χ^2/NDF:1571153914883.7/11

Left: -0.338+/-0.000 χ^2/NDF: 3287287514847.2/25

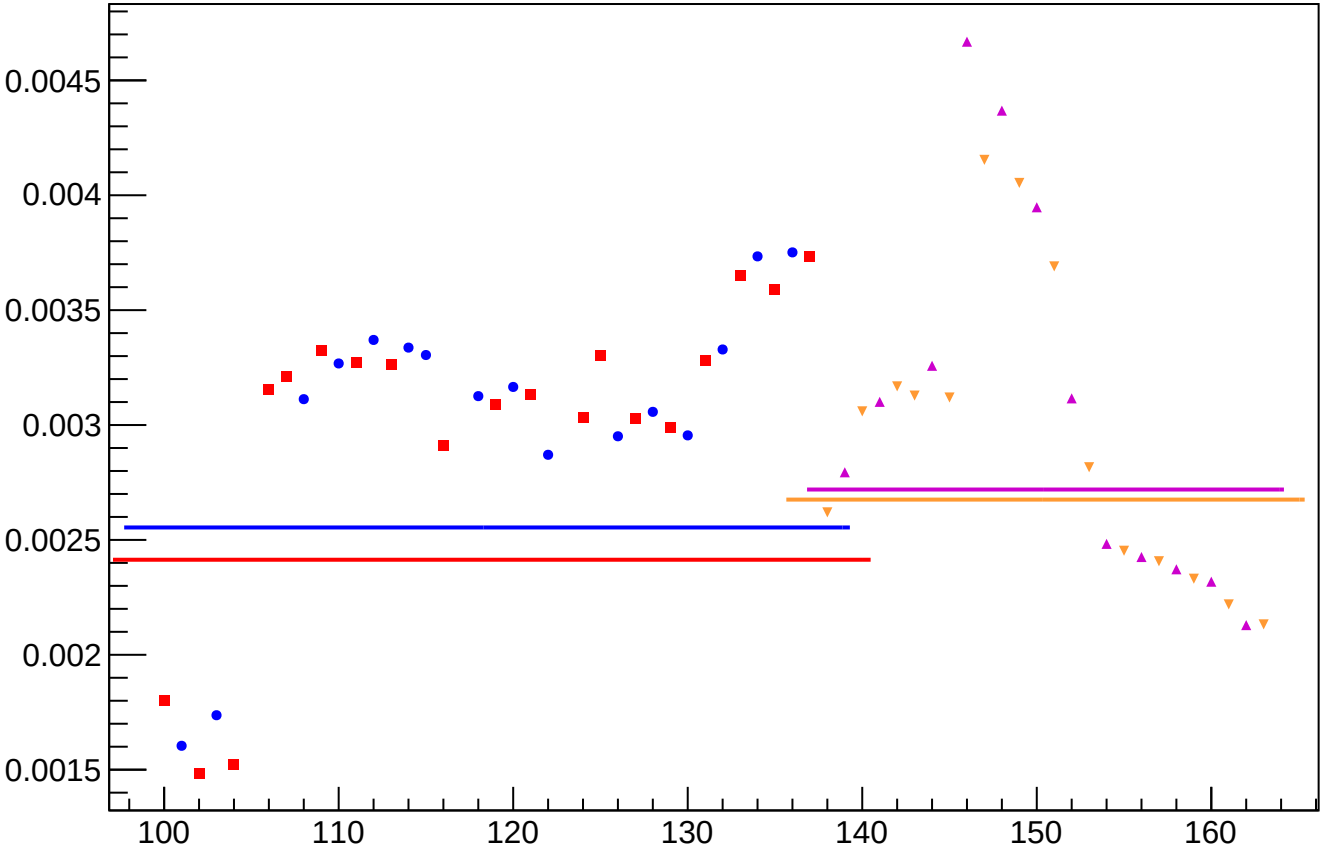
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.844+/-0.000 χ^2/NDF:2538901686788.5/27

Out: -0.868+/-0.000 χ^2/NDF:2614369033157.4/32

All: -0.857+/-0.000 χ^2/NDF: 5153914064529

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:748769.0/13

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.003+/-0.000 χ^2/NDF:859075.8/11

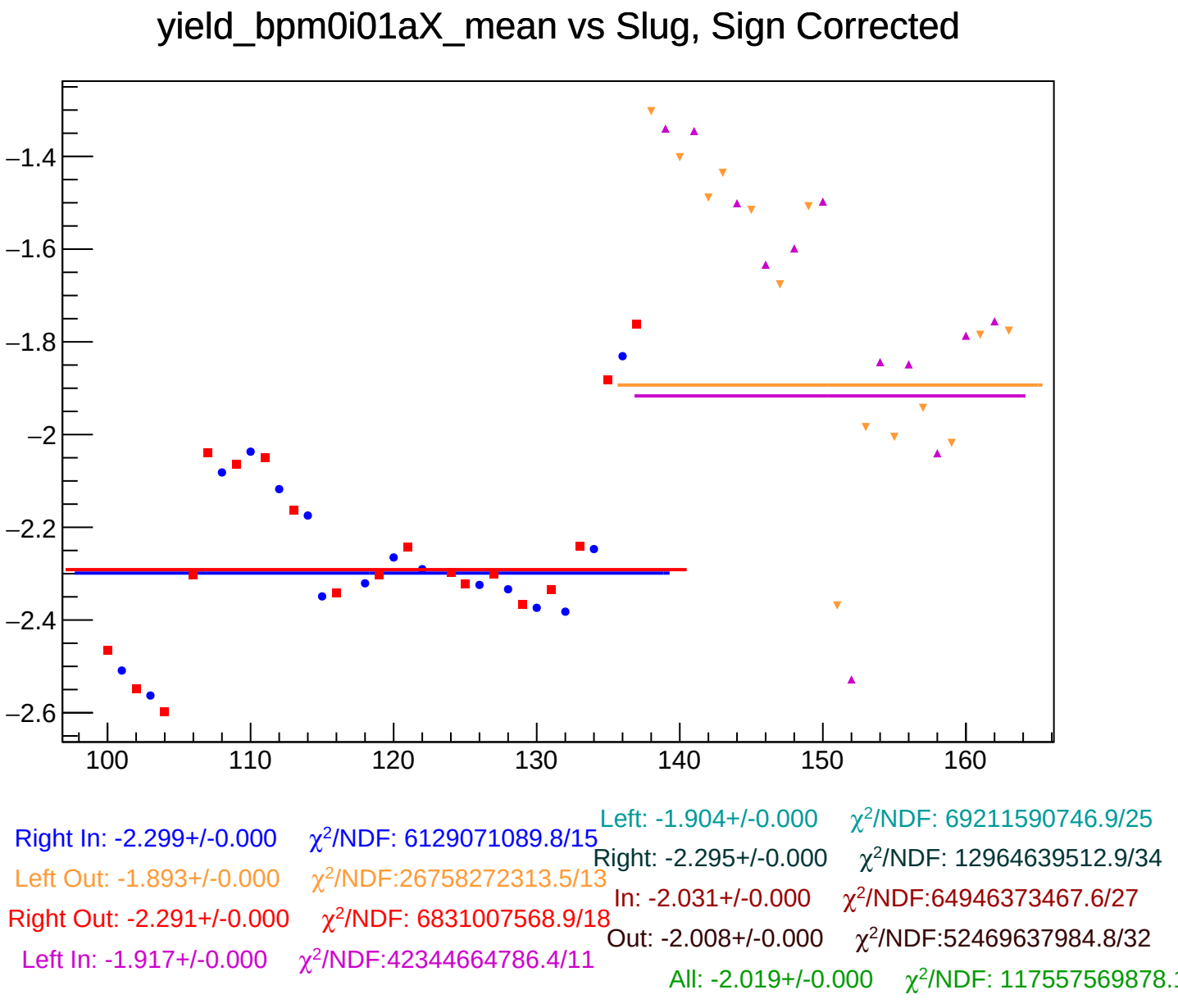
Left: 0.003+/-0.000 χ^2/NDF: 1610257.1/25

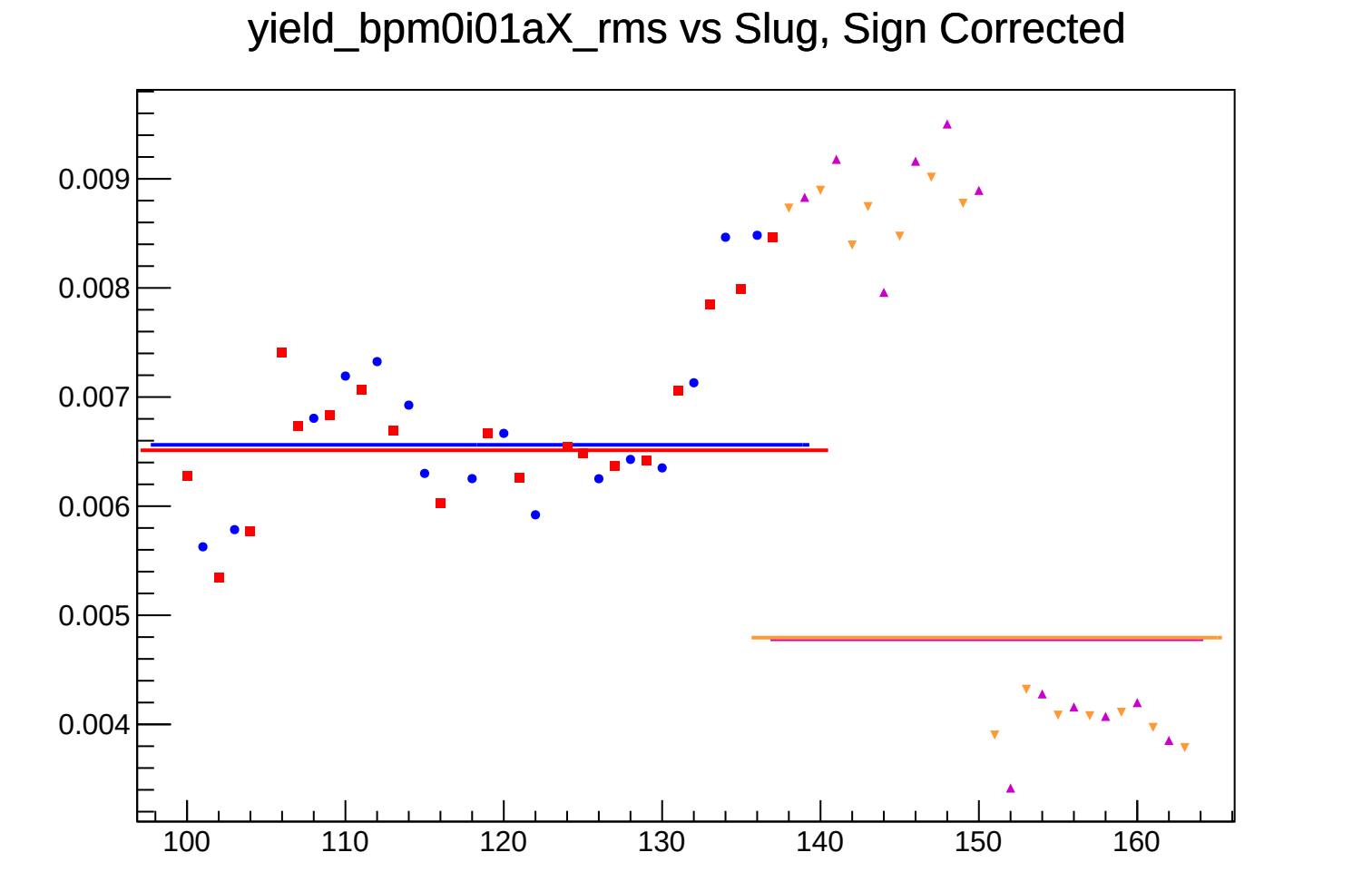
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.003+/-0.000 χ^2/NDF:2059869.9/27

Out: 0.003+/-0.000 χ^2/NDF:2374816.3/32

All: 0.003+/-0.000 χ^2/NDF: 4450462.2/60


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.893+/-0.000 χ²/NDF:26758272313.5/13
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.917+/-0.000 χ²/NDF:42344664786.4/11
Left: -1.904+/-0.000 χ²/NDF: 69211590746.9/25
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -2.031+/-0.000 χ²/NDF:64946373467.6/27
Out: -2.008+/-0.000 χ²/NDF:52469637984.8/32
All: -2.019+/-0.000 χ²/NDF: 117557569878.1



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.005+/-0.000 χ^2/NDF:2520129.0/13

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.005+/-0.000 χ^2/NDF:2640567.5/11

Left: 0.005+/-0.000 χ^2/NDF: 5160783.7/25

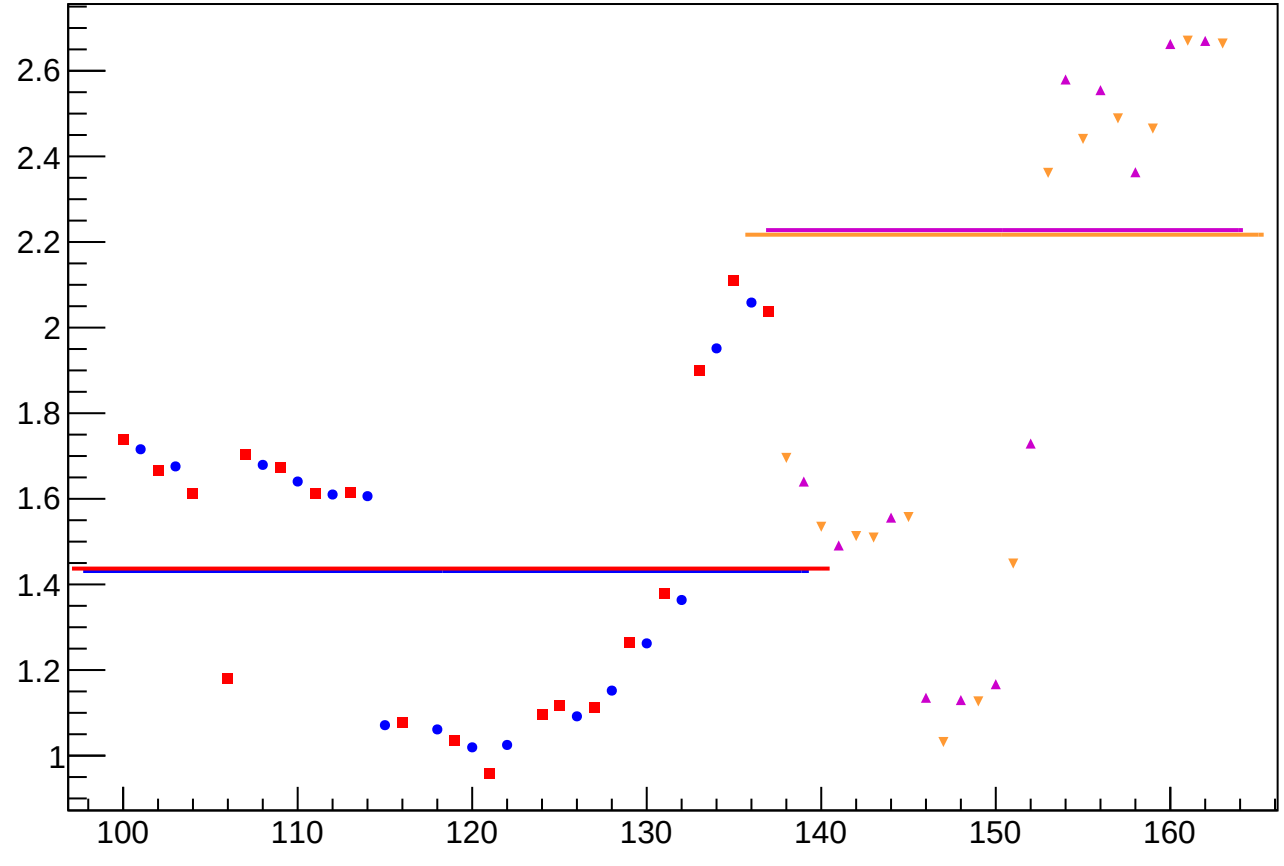
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:3578779.6/27

Out: 0.005+/-0.000 χ^2/NDF:3407536.0/32

All: 0.005+/-0.000 χ^2/NDF: 6986559.2/60

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.217+/-0.000 χ^2/NDF:182305515490.8/13

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.228+/-0.000 χ^2/NDF:172587098106.7/11

Left: 2.222+/-0.000 χ^2/NDF: 354933981035.9/25

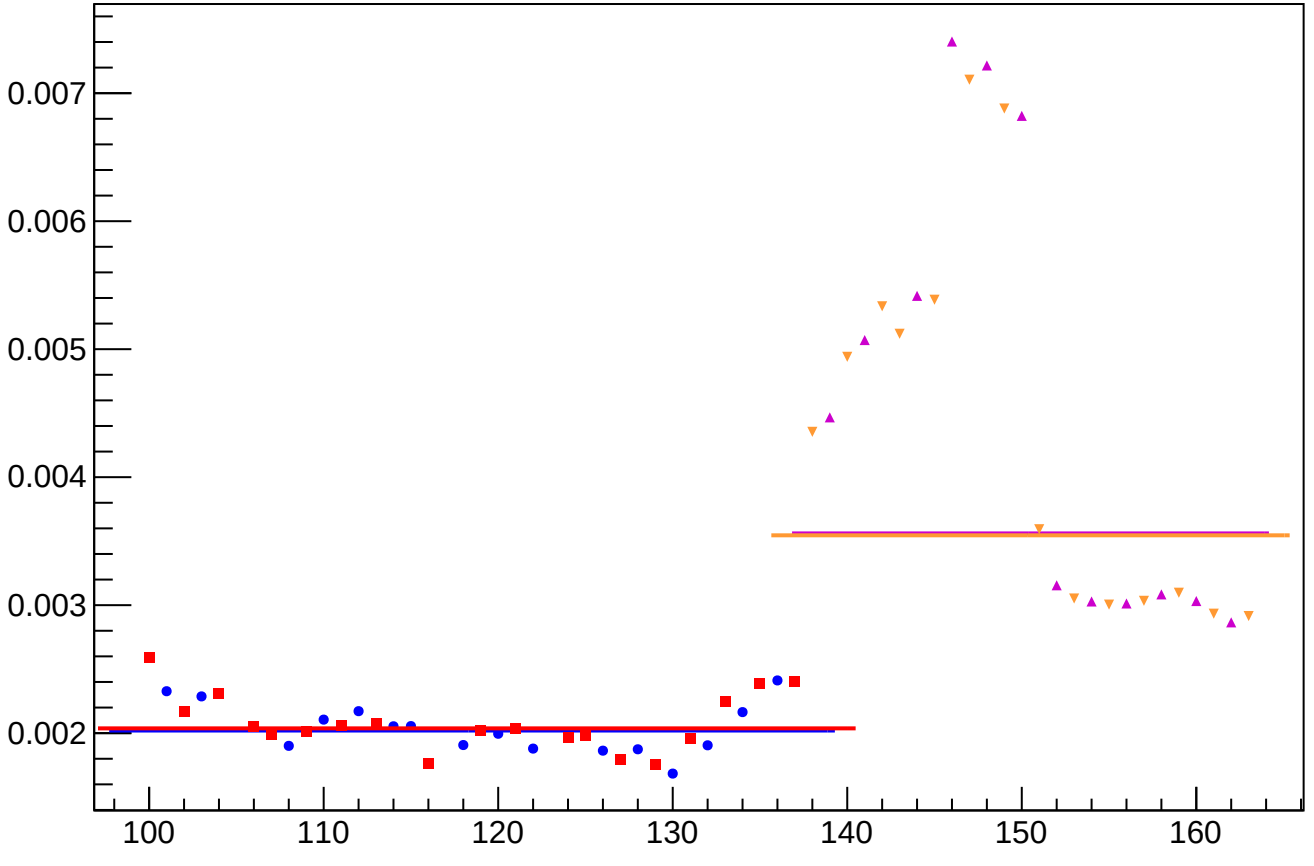
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.667+/-0.000 χ^2/NDF:667233528406.9/27

Out: 1.685+/-0.000 χ^2/NDF:680538755425.0/32

All: 1.677+/-0.000 χ^2/NDF: 1348163924837.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:1552603.3/13

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.004+/-0.000 χ^2/NDF:1775687.5/11

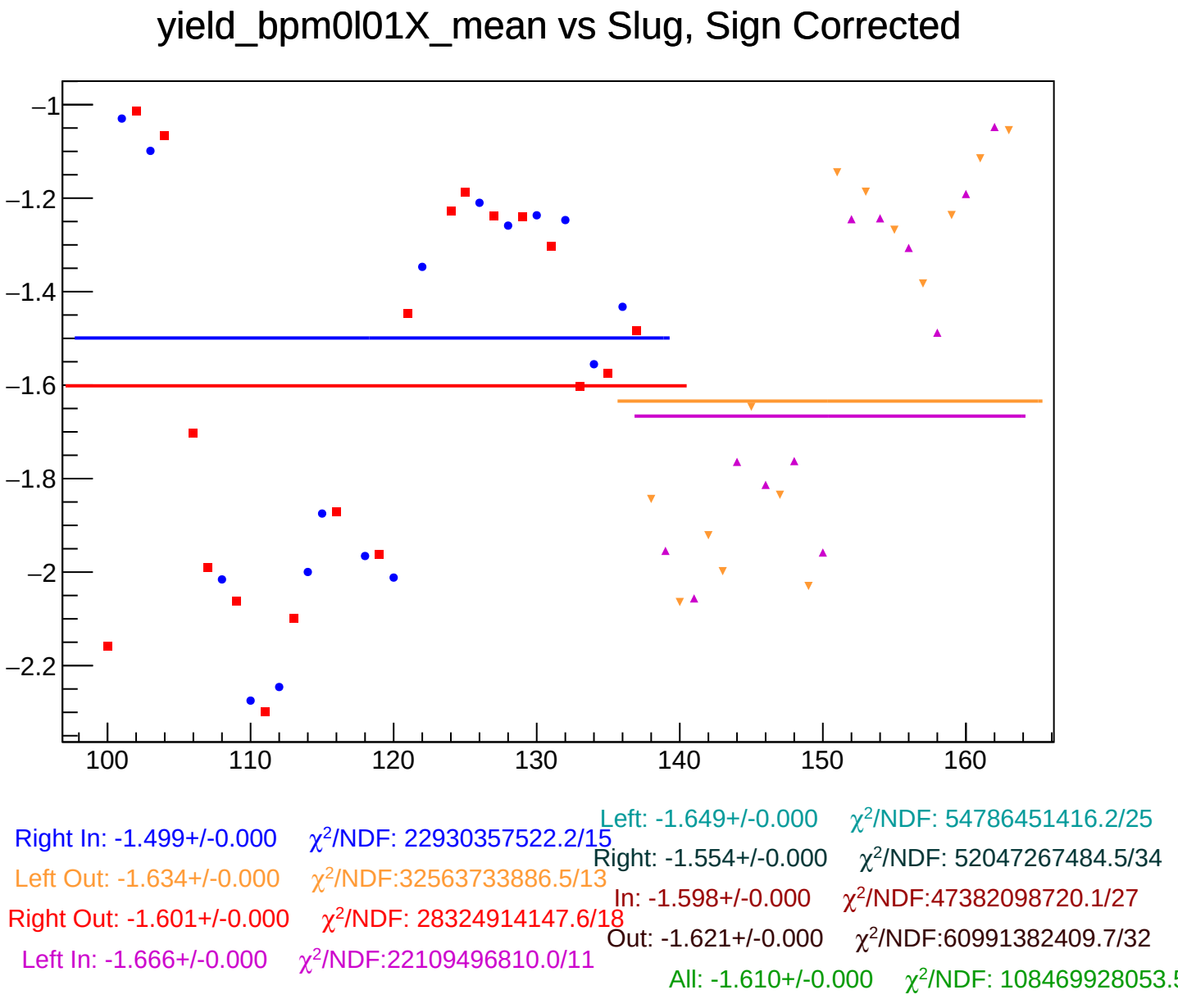
Left: 0.004+/-0.000 χ^2/NDF: 3328450.0/25

Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

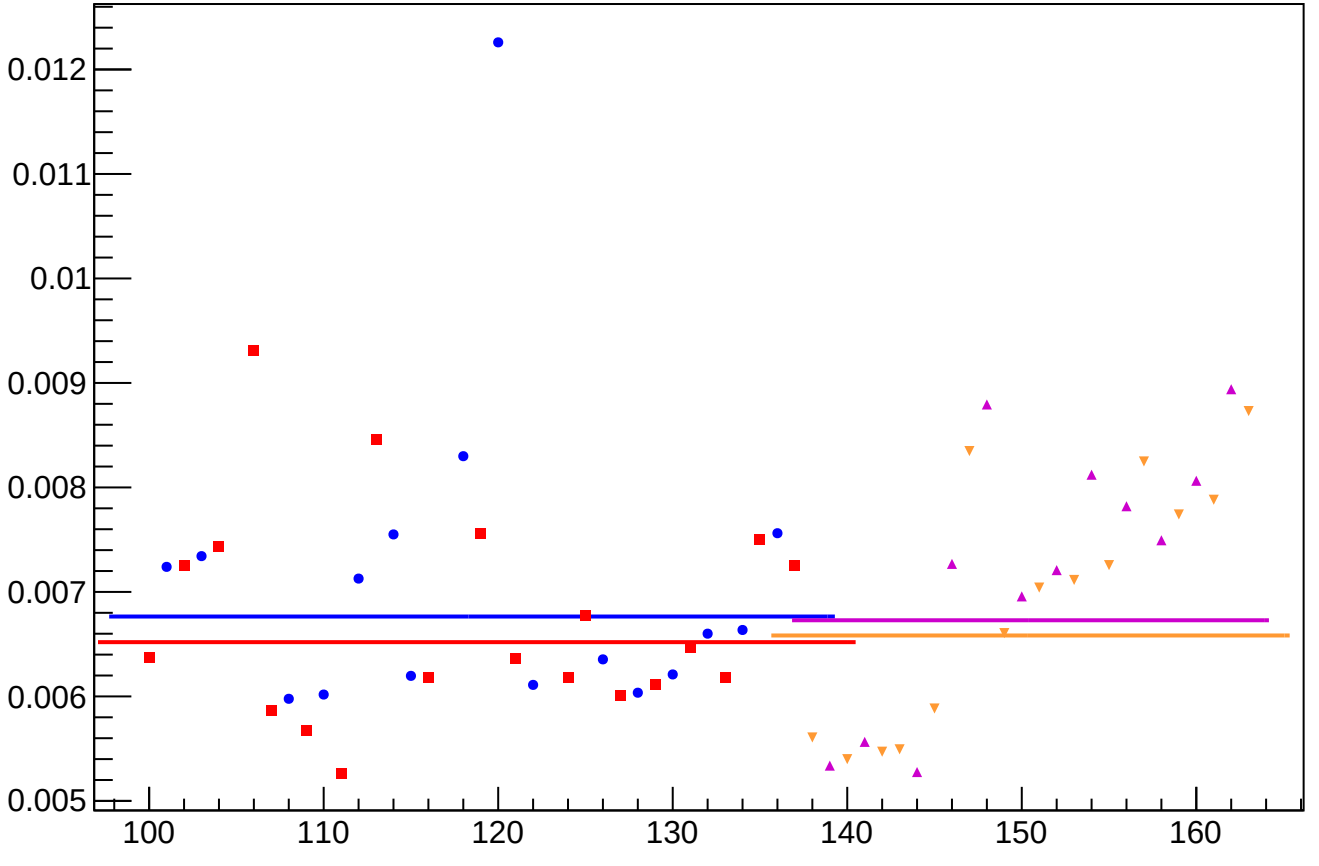
In: 0.002+/-0.000 χ^2/NDF:4214701.4/27

Out: 0.003+/-0.000 χ^2/NDF:4030578.7/32

All: 0.002+/-0.000 χ^2/NDF: 8249265.6/60


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
Right In: -1.499+/-0.000 χ²/NDF: 22930357522.2/15
Left Out: -1.634+/-0.000 χ²/NDF:32563733886.5/13
Right Out: -1.601+/-0.000 χ²/NDF: 28324914147.6/18
Left In: -1.666+/-0.000 χ²/NDF:22109496810.0/11
Left: -1.649+/-0.000 χ²/NDF: 54786451416.2/25
Right: -1.554+/-0.000 χ²/NDF: 52047267484.5/34
In: -1.598+/-0.000 χ²/NDF:47382098720.1/27
Out: -1.621+/-0.000 χ²/NDF:60991382409.7/32
All: -1.610+/-0.000 χ²/NDF: 108469928053.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:572062.7/13

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:646645.6/11

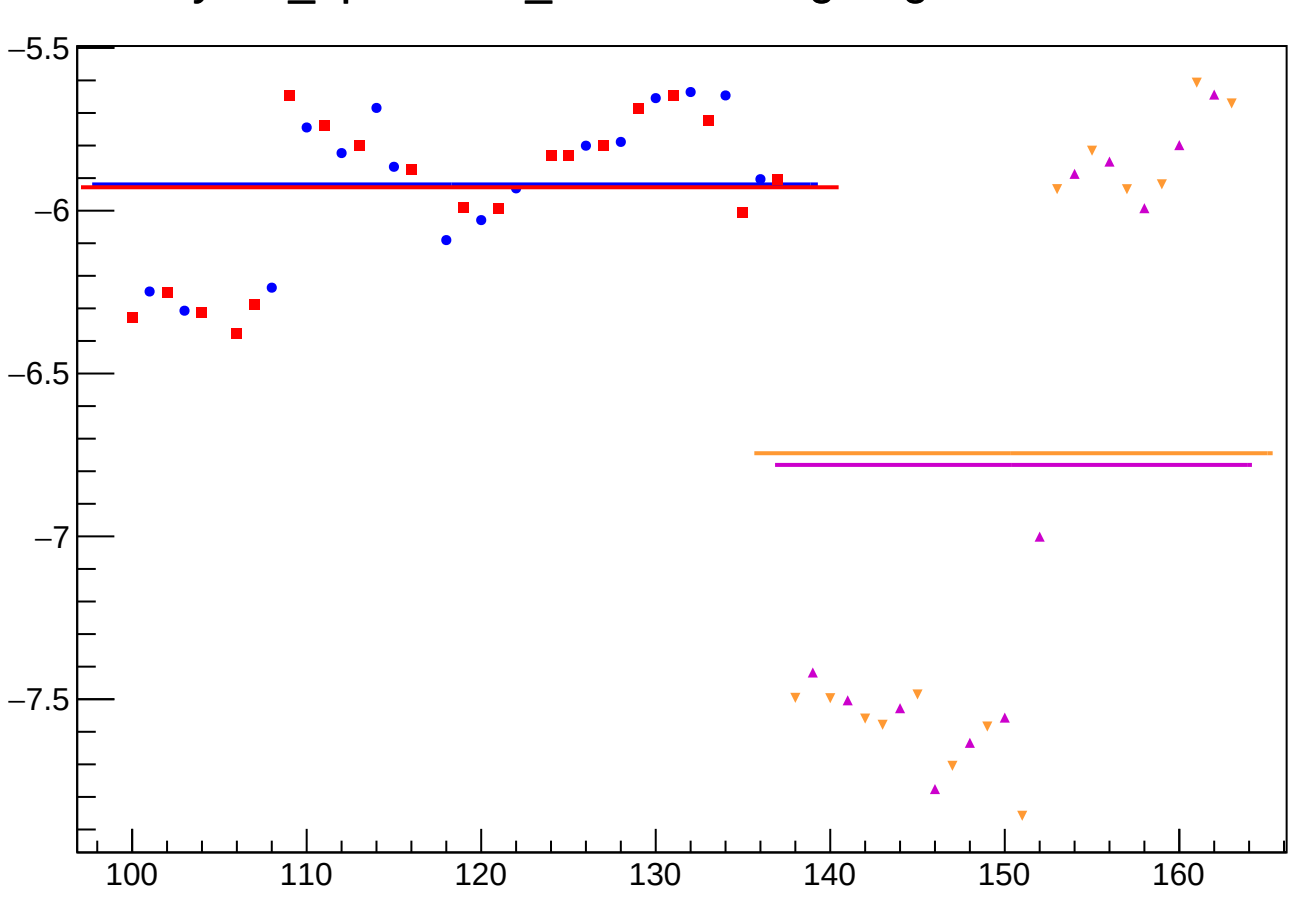
Left: 0.007+/-0.000 χ^2/NDF: 1223366.3/25

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:885426.5/27

Out: 0.007+/-0.000 χ^2/NDF:818274.3/32

All: 0.007+/-0.000 χ^2/NDF: 1716568.4/60



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.745+/-0.000 χ^2/NDF:76890584365.0/13

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.781+/-0.000 χ^2/NDF:56490002735.7/11

Left: -6.762+/-0.000 χ^2/NDF: 133437461235.7/25

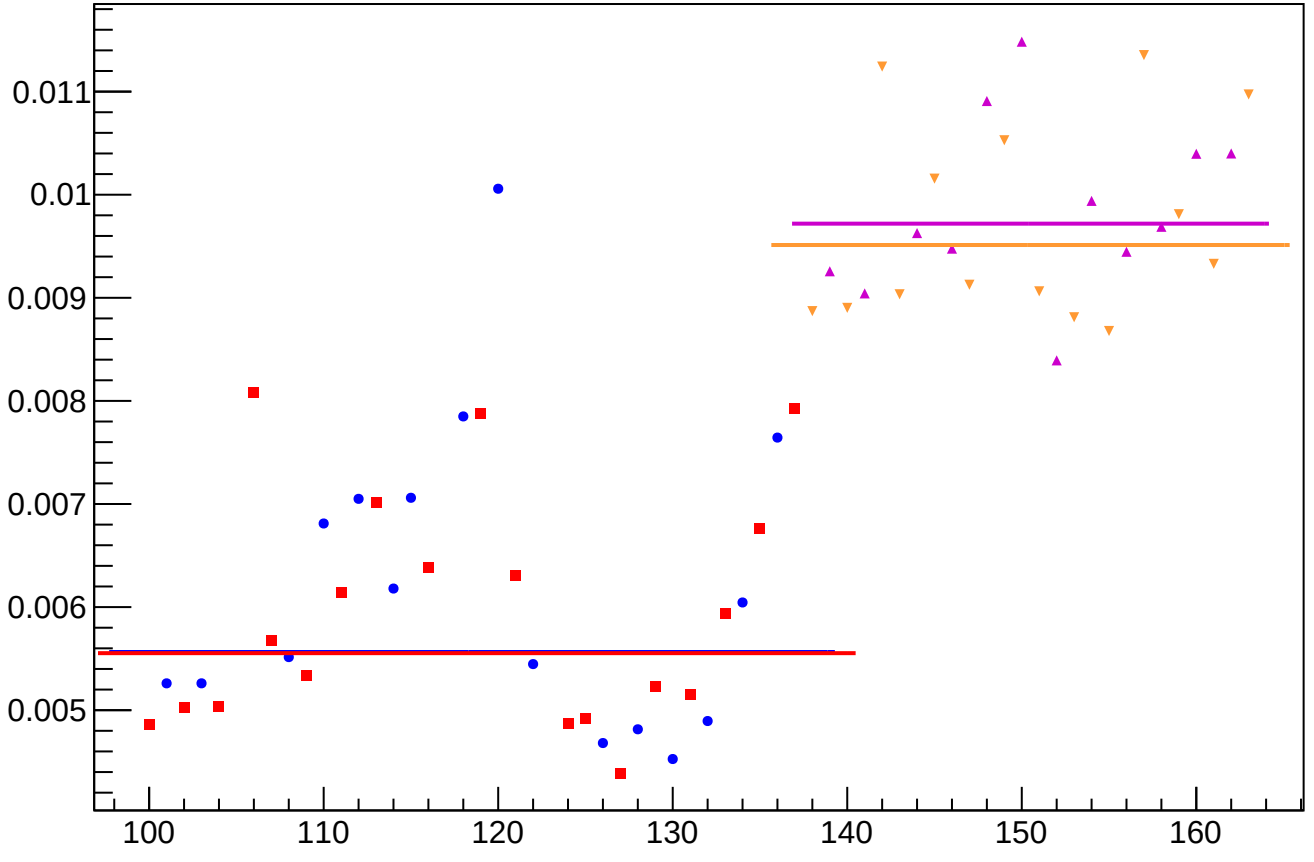
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.175+/-0.000 χ^2/NDF:111860005130.0/27

Out: -6.180+/-0.000 χ^2/NDF:132822556895.9/32

All: -6.178+/-0.000 χ^2/NDF: 244685801963.0

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:133818.6/13

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:105849.4/11

Left: 0.010+/-0.000 χ^2/NDF: 243462.0/25

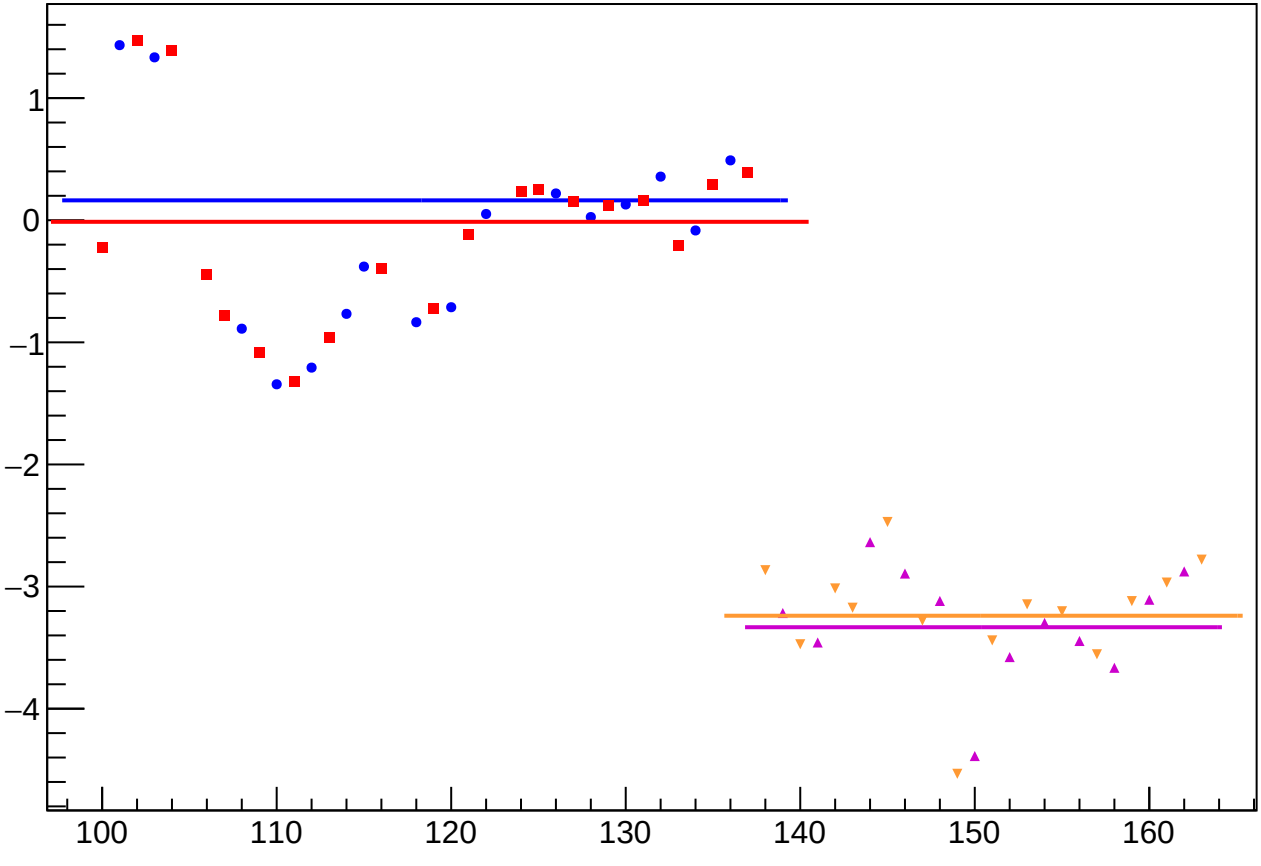
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2632493.9/27

Out: 0.007+/-0.000 χ^2/NDF:2533372.5/32

All: 0.007+/-0.000 χ^2/NDF: 5166043.7/60

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.239+/-0.000 χ^2/NDF:7484069094.1/13

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.333+/-0.000 χ^2/NDF:5786170698.3/11

Left: -3.283+/-0.000 χ^2/NDF: 13412999680.6/25

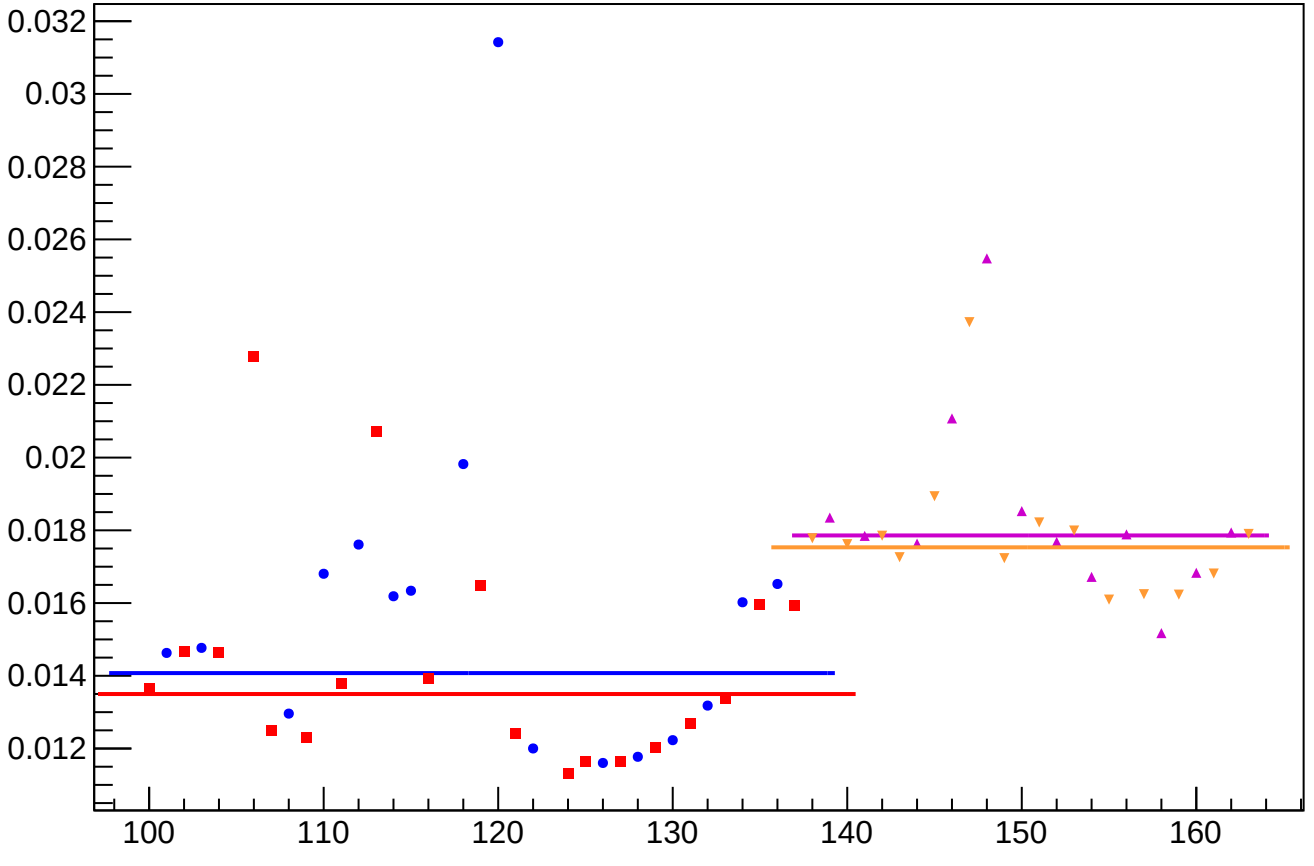
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.545+/-0.000 χ^2/NDF:213741095708.0/27

Out: -1.562+/-0.000 χ^2/NDF:215820194708.2/32

All: -1.554+/-0.000 χ^2/NDF: 429571650130.4

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:152367.6/13

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.018+/-0.000 χ^2/NDF:243042.7/11

Left: 0.018+/-0.000 χ^2/NDF: 398858.3/25

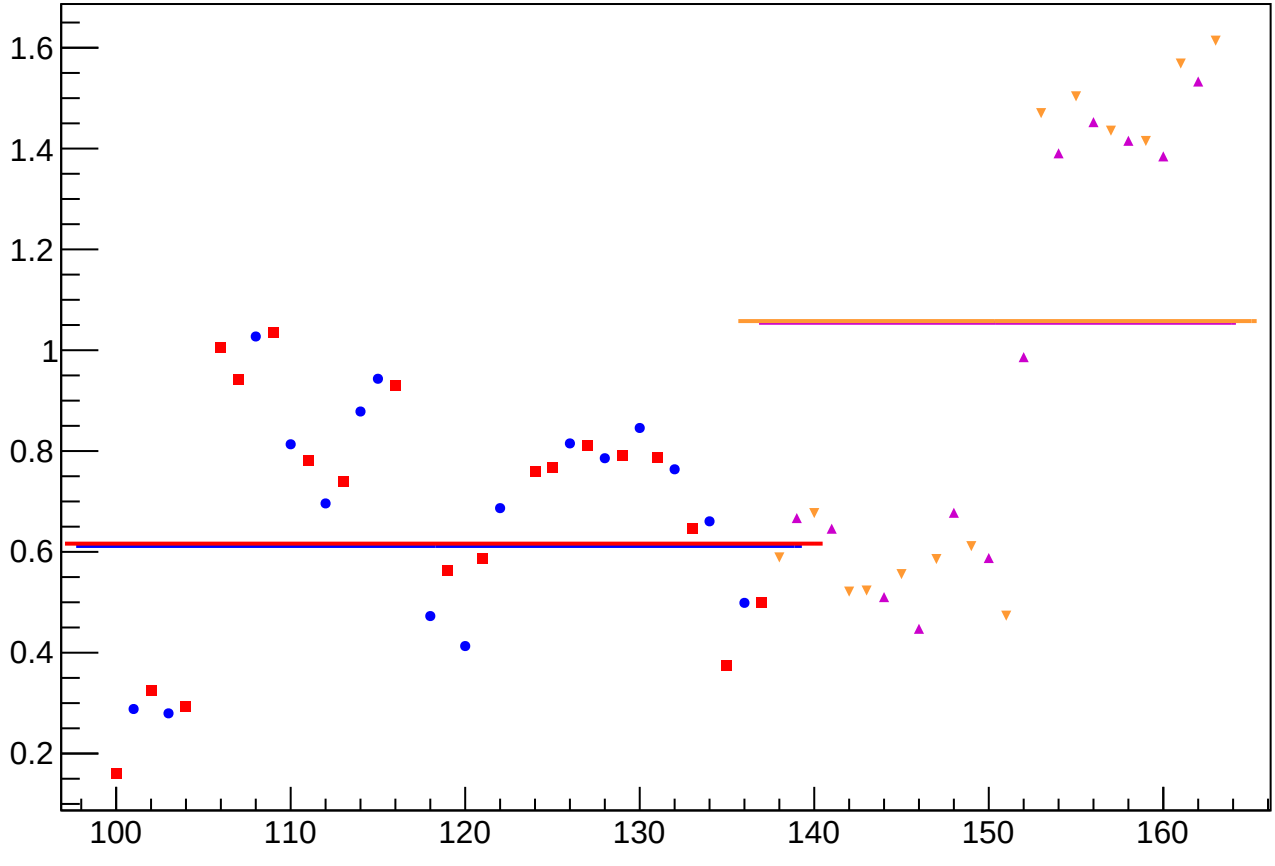
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1154066.0/27

Out: 0.015+/-0.000 χ^2/NDF:1048463.7/32

All: 0.016+/-0.000 χ^2/NDF: 2218320.6/60

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.058+/-0.000 χ^2/NDF:33018724604.0/13

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.054+/-0.000 χ^2/NDF:24490707290.7/11

Left: 1.056+/-0.000 χ^2/NDF: 57510269876.3/25

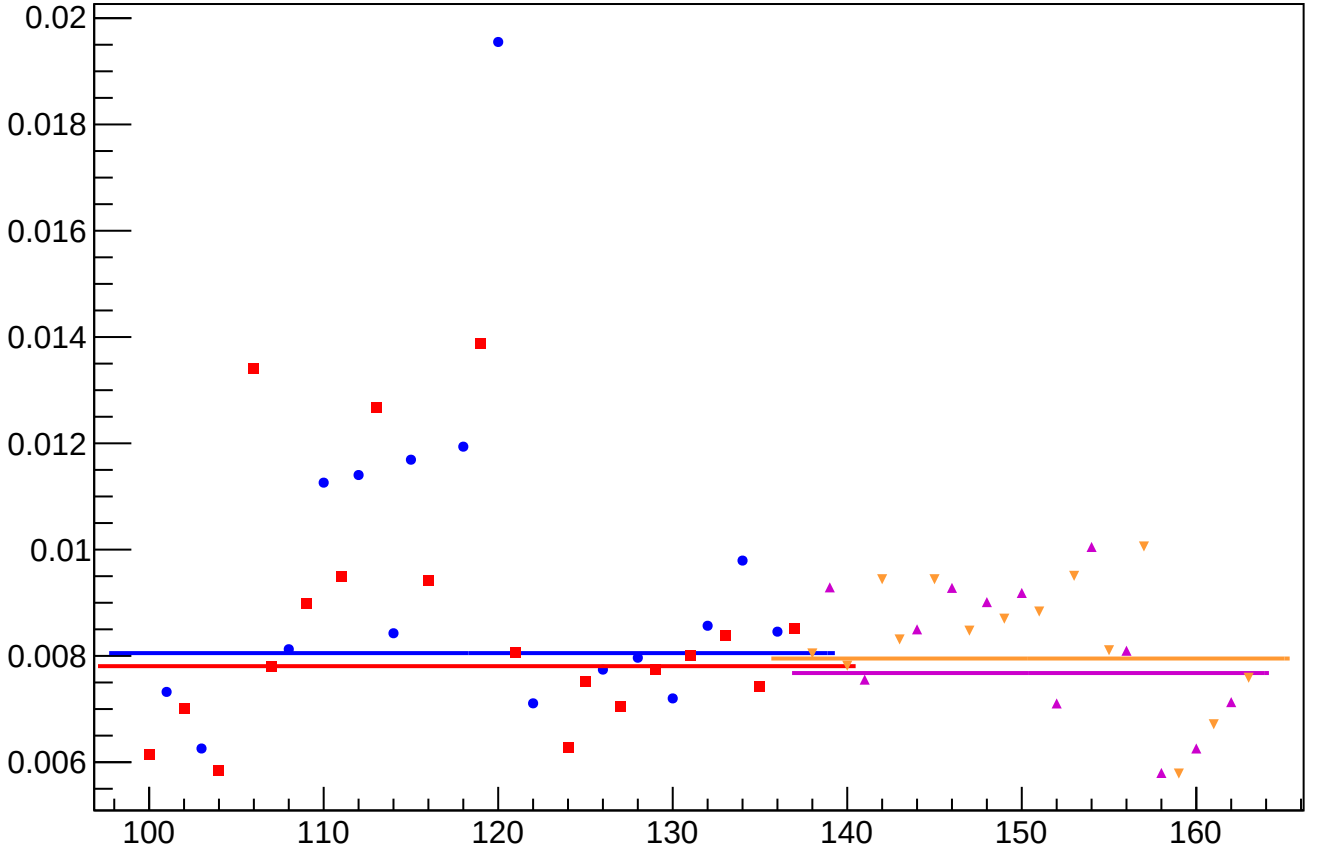
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.884+/-0.000 χ^2/NDF:41526107128.9/27

Out: 0.877+/-0.000 χ^2/NDF:51534352862.6/32

All: 0.880+/-0.000 χ^2/NDF: 93067480310.1/6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:460707.4/13

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:534736.9/11

Left: 0.008+/-0.000 χ^2/NDF: 1006740.2/25

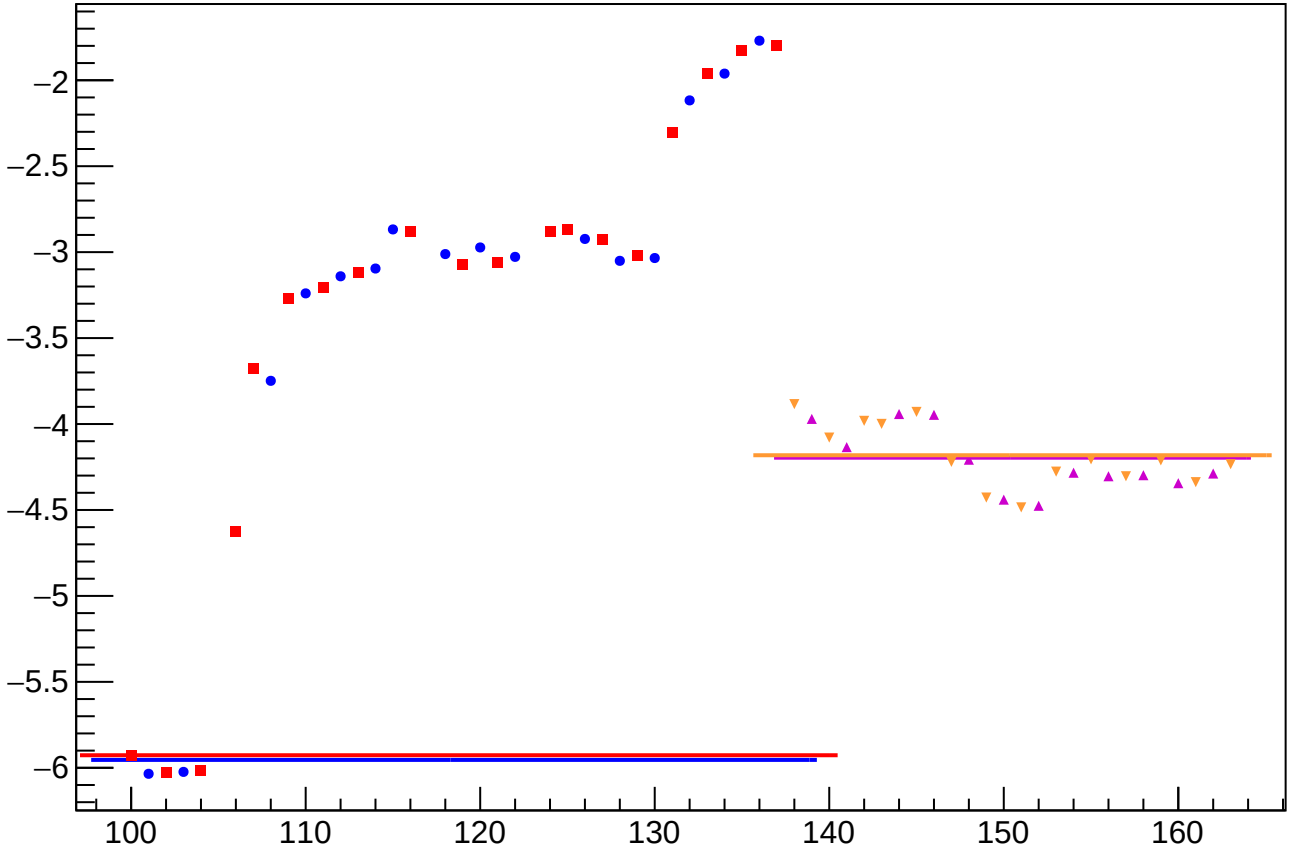
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1149409.3/27

Out: 0.008+/-0.000 χ^2/NDF:1050428.4/32

All: 0.008+/-0.000 χ^2/NDF: 2201070.5/60

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.182+/-0.000 χ^2/NDF:52547474.4/13

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.196+/-0.000 χ^2/NDF:39835407.3/11

Left: -4.190+/-0.000 χ^2/NDF: 92515124.9/25

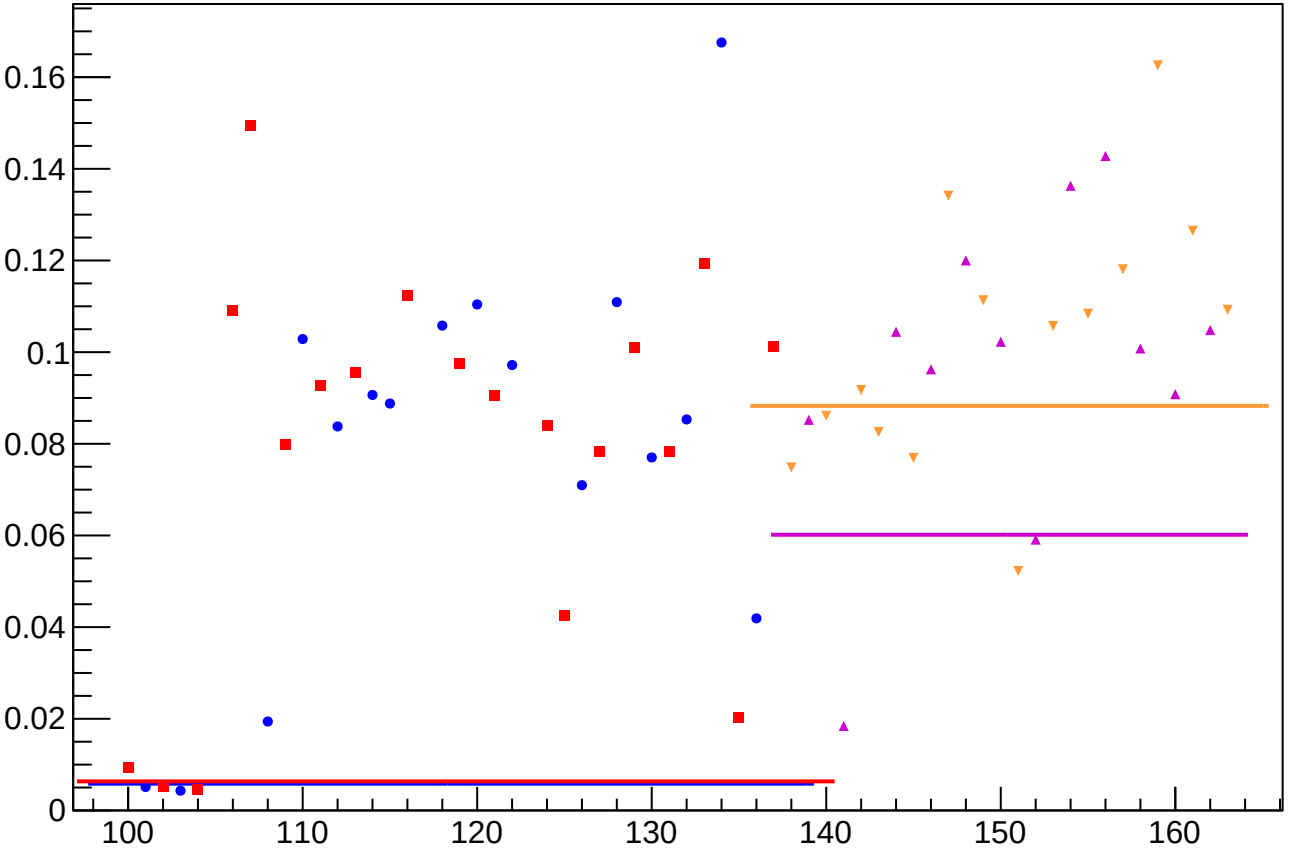
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.904+/-0.000 χ^2/NDF:17720566679.3/27

Out: -5.881+/-0.000 χ^2/NDF:17346643088.7/32

All: -5.894+/-0.000 χ^2/NDF: 35079078799.2/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.088+/-0.000 χ^2/NDF:1533707.0/13

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.060+/-0.000 χ^2/NDF:5183253.9/11

Left: 0.072+/-0.000 χ^2/NDF: 7746682.8/25

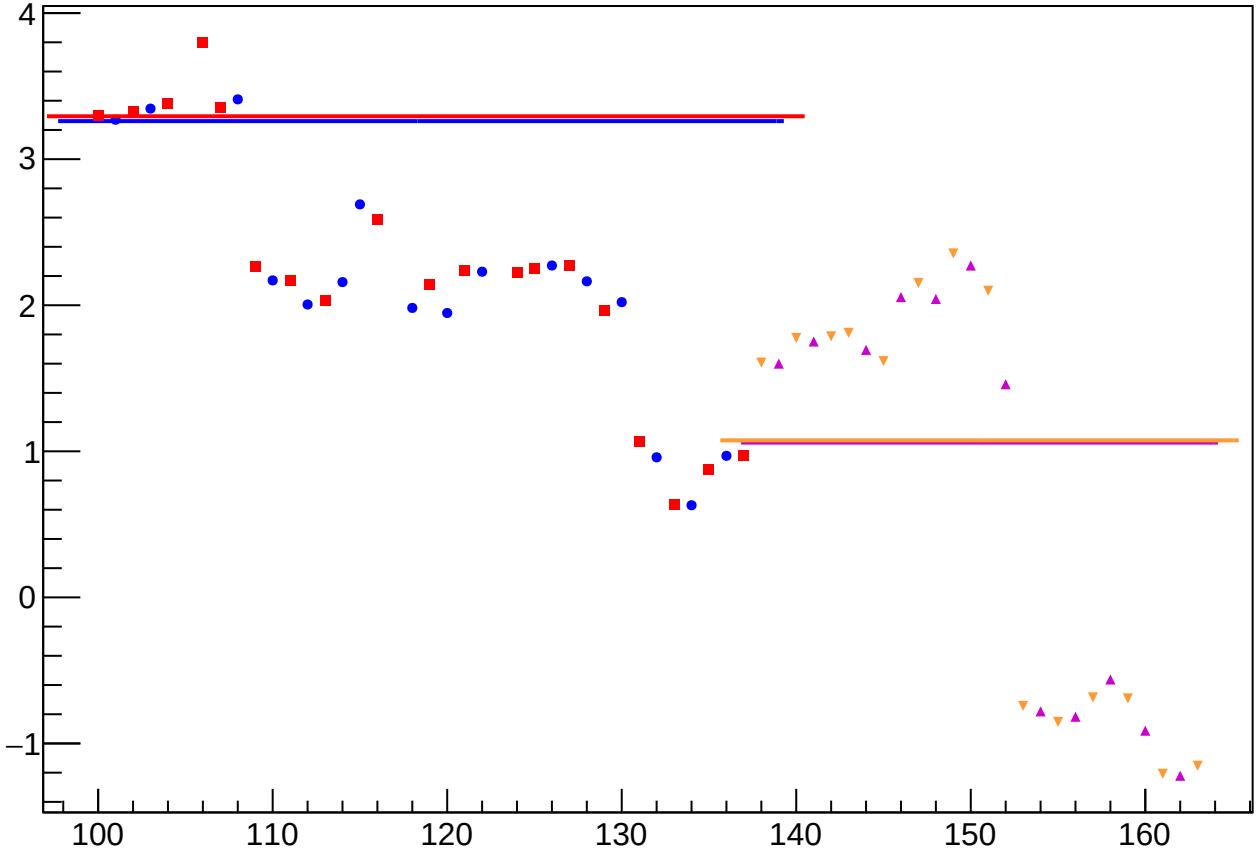
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.007+/-0.000 χ^2/NDF:22627341.0/27

Out: 0.008+/-0.000 χ^2/NDF:25143200.0/32

All: 0.008+/-0.000 χ^2/NDF: 47826535.6/60

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.075+/-0.000 χ^2/NDF:1648325690.7/13

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.060+/-0.000 χ^2/NDF:1426469646.1/11

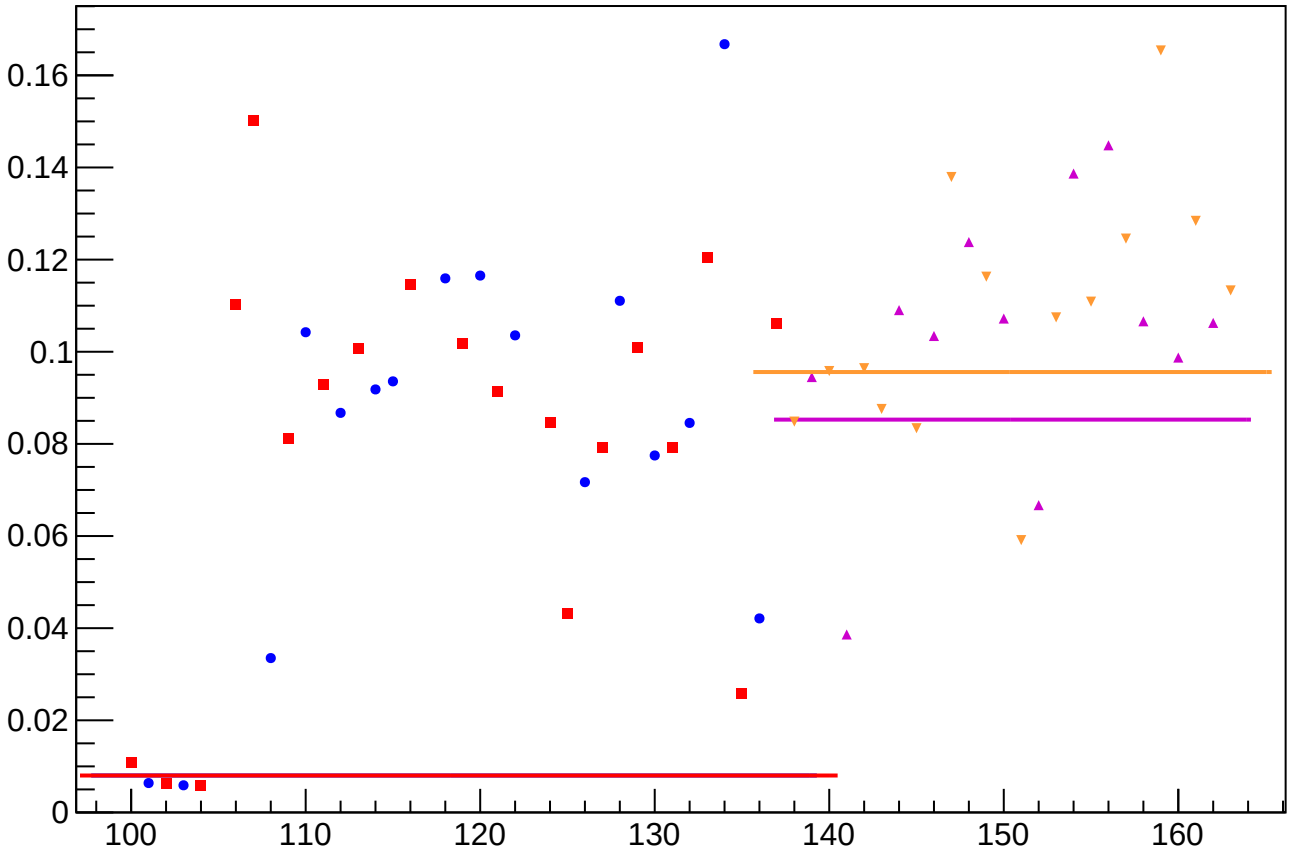
Left: 1.067+/-0.000 χ^2/NDF: 3074911162.5/25

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.191+/-0.000 χ^2/NDF:9147002220.9/27

Out: 3.221+/-0.000 χ^2/NDF:9637008275.0/32

All: 3.206+/-0.000 χ^2/NDF: 18797145064.2/6



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.096+/-0.000 χ^2/NDF:1219552.8/13

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.085+/-0.000 χ^2/NDF:2138417.0/11

Left: 0.090+/-0.000 χ^2/NDF: 3464726.6/25

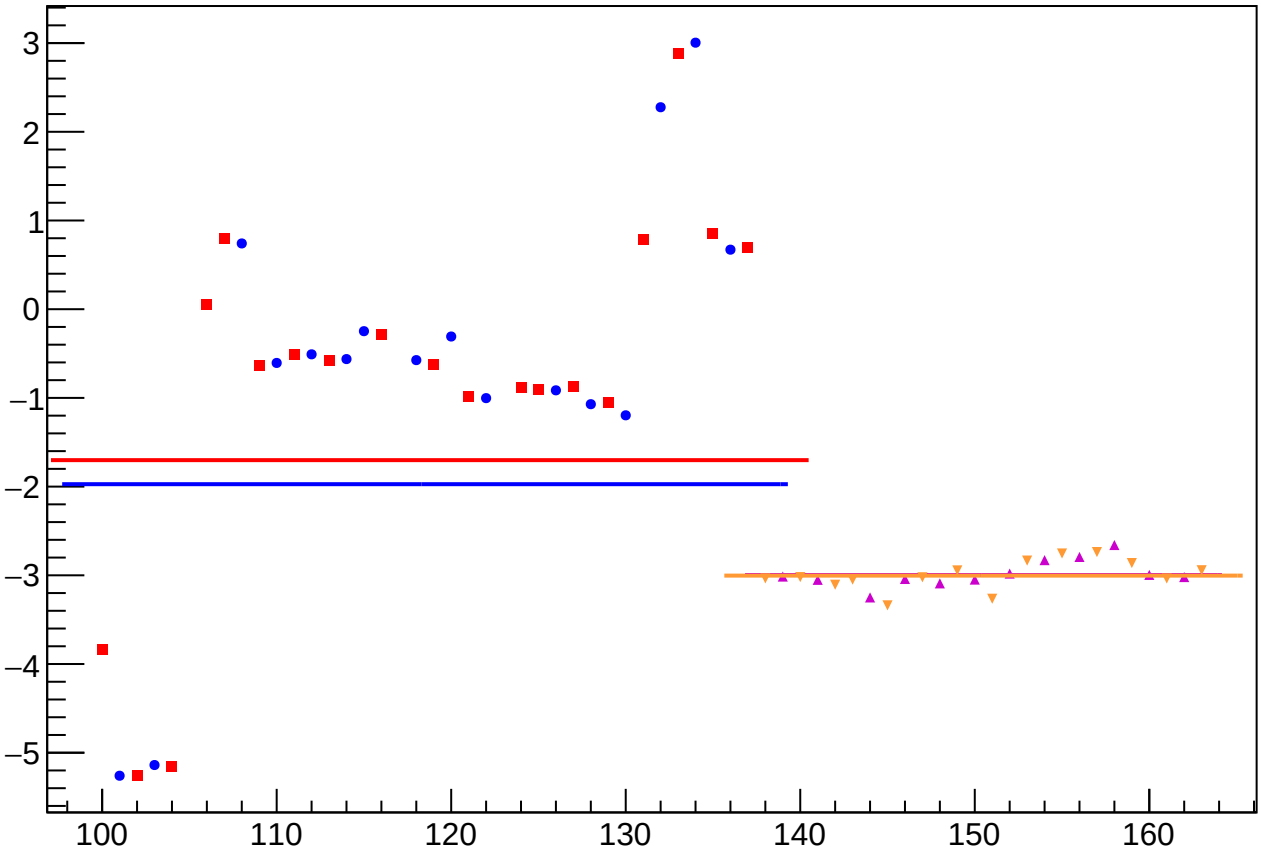
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.010+/-0.000 χ^2/NDF:22160150.5/27

Out: 0.011+/-0.000 χ^2/NDF:24546565.0/32

All: 0.011+/-0.000 χ^2/NDF: 46713310.0/60

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.003+/-0.000 χ^2/NDF:4233735468.5/13

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.997+/-0.000 χ^2/NDF:2981806992.0/11

Left: -3.000+/-0.000 χ^2/NDF: 7218743546.1/25

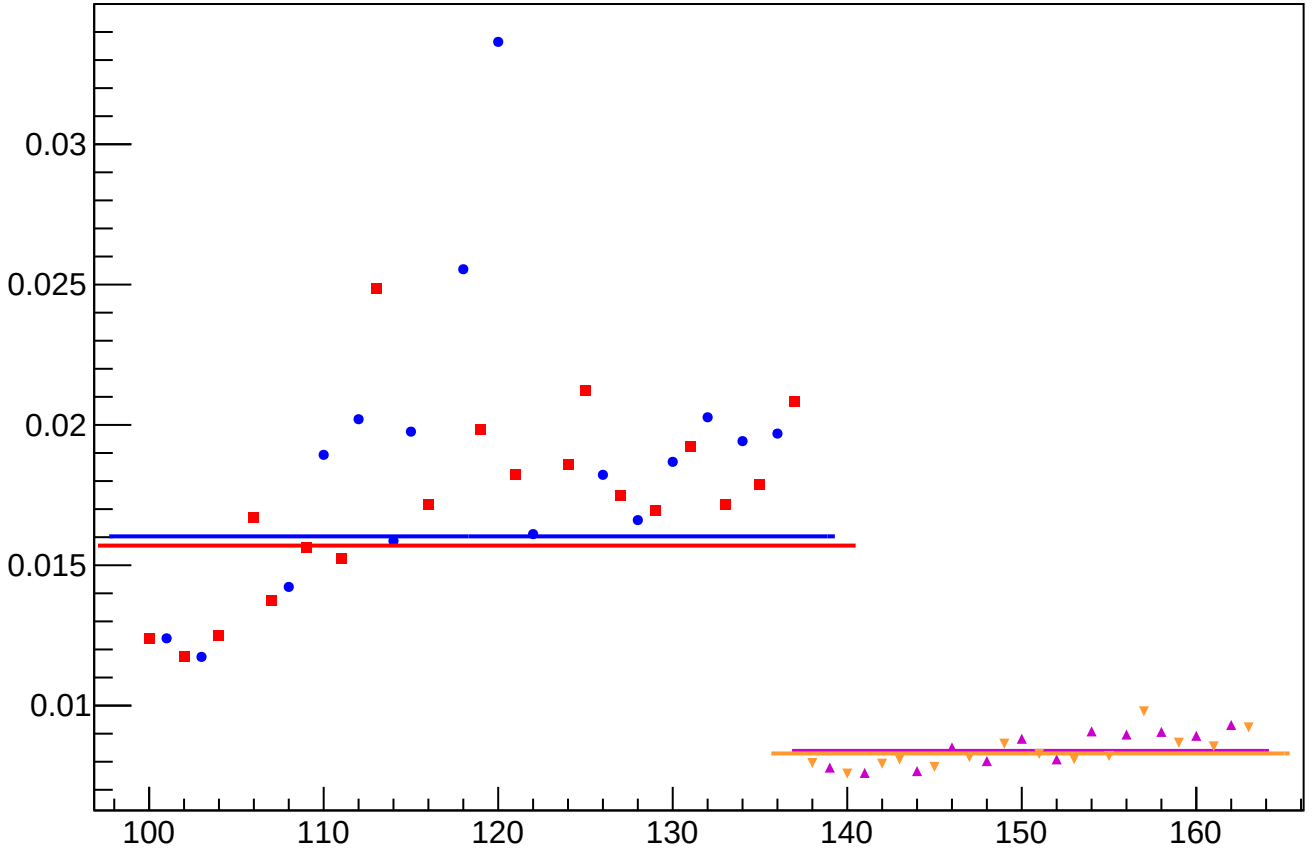
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.853+/-0.000 χ^2/NDF:185370349736.2/27

Out: -2.815+/-0.000 χ^2/NDF:209837600534.7/32

All: -2.833+/-0.000 χ^2/NDF: 395326538254.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:86050.0/13

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:98725.6/11

Left: 0.008+/-0.000 χ^2/NDF: 185972.2/25

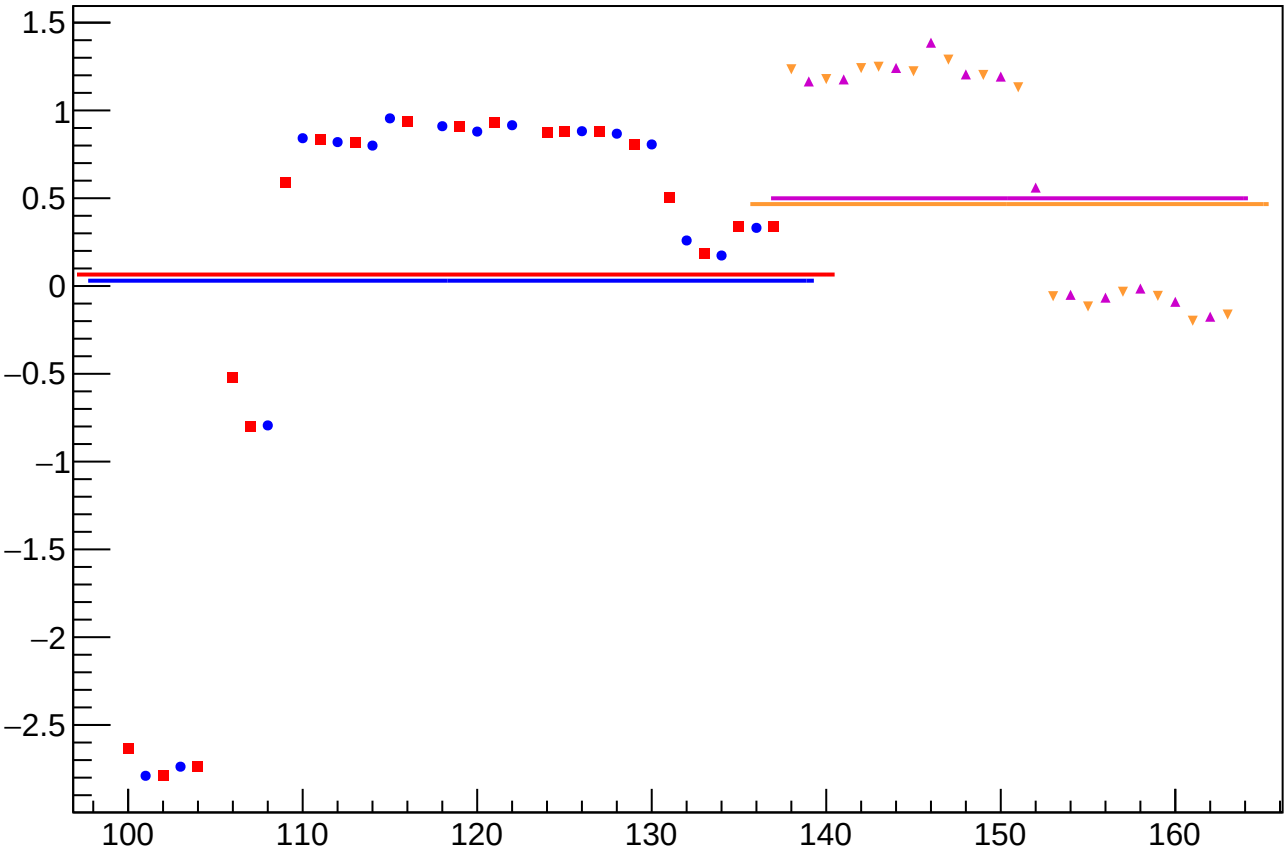
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3109630.3/27

Out: 0.009+/-0.000 χ^2/NDF:3015049.6/32

All: 0.009+/-0.000 χ^2/NDF: 6126237.9/60

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.467+/-0.000 χ^2/NDF:80000819547.0/13

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.500+/-0.000 χ^2/NDF:62335129328.9/11

Left: 0.482+/-0.000 χ^2/NDF: 142431405954.4/25

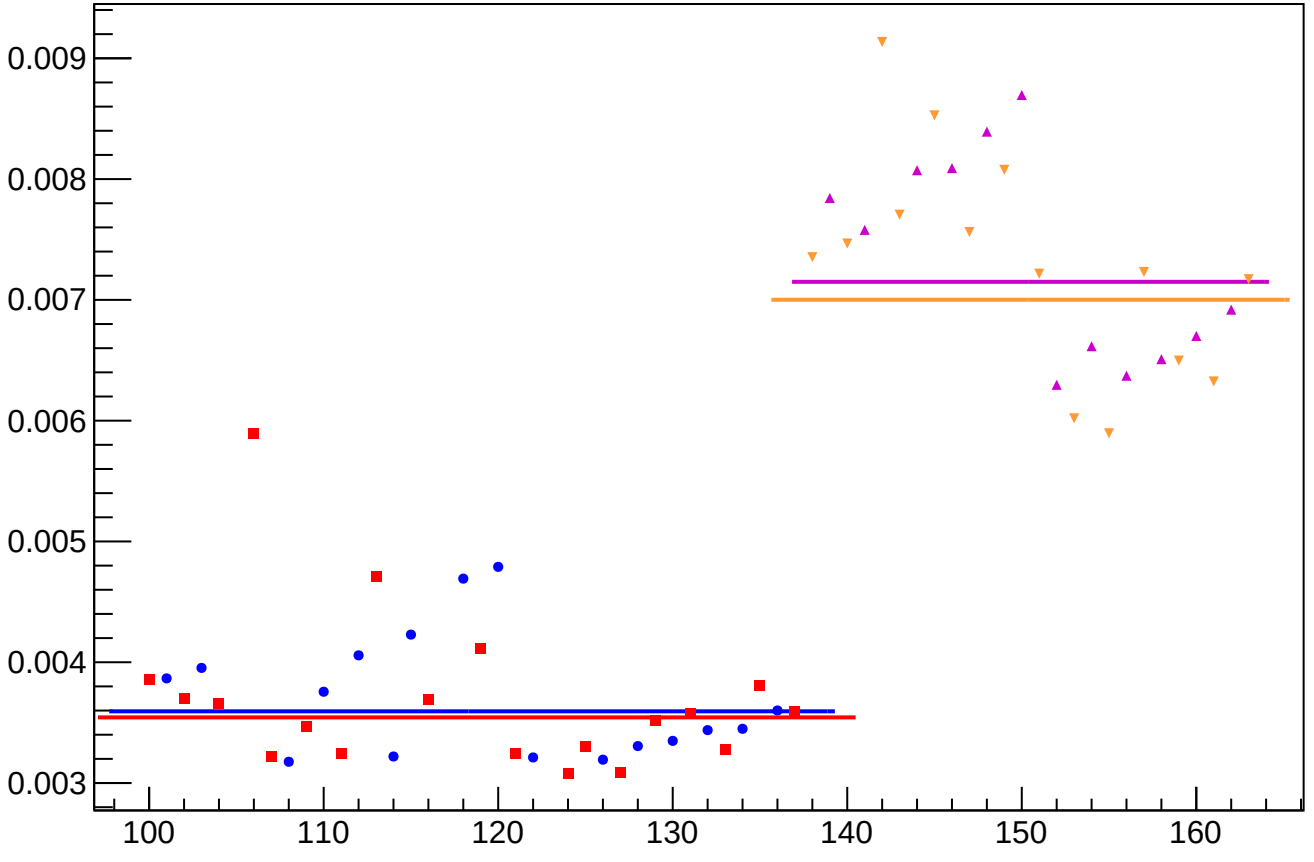
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.144+/-0.000 χ^2/NDF:941745366593.0/27

Out: 0.165+/-0.000 χ^2/NDF:1037930913017.4/32

All: 0.155+/-0.000 χ^2/NDF: 1979843819257.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:249401.0/13

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.007+/-0.000 χ^2/NDF:209338.2/11

Left: 0.007+/-0.000 χ^2/NDF: 462602.0/25

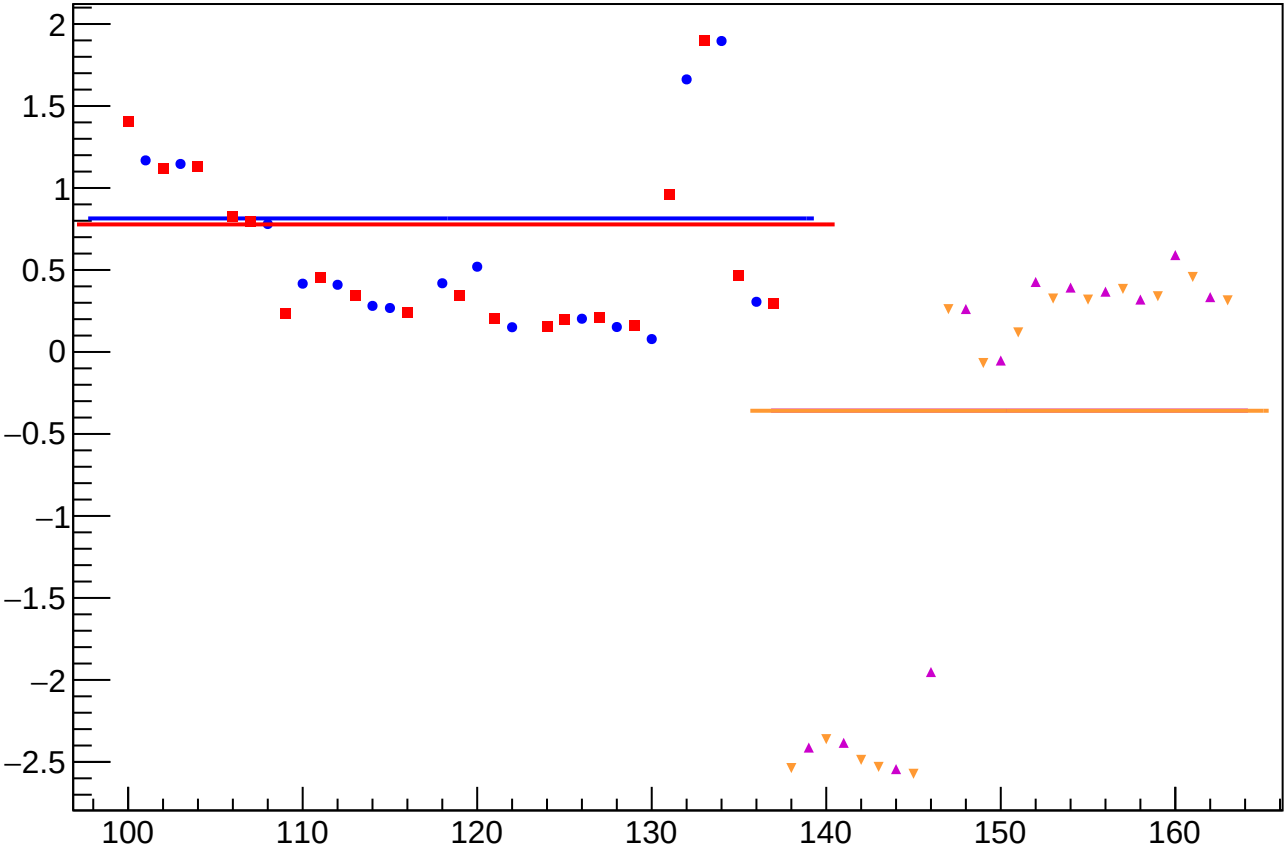
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:3573527.0/27

Out: 0.004+/-0.000 χ^2/NDF:3808536.1/32

All: 0.004+/-0.000 χ^2/NDF: 7383709.3/60

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.358+/-0.000 χ^2/NDF:347742263442.6/13

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.358+/-0.000 χ^2/NDF:308052749896.5/11

Left: -0.358+/-0.000 χ^2/NDF: 655795107576.4/25

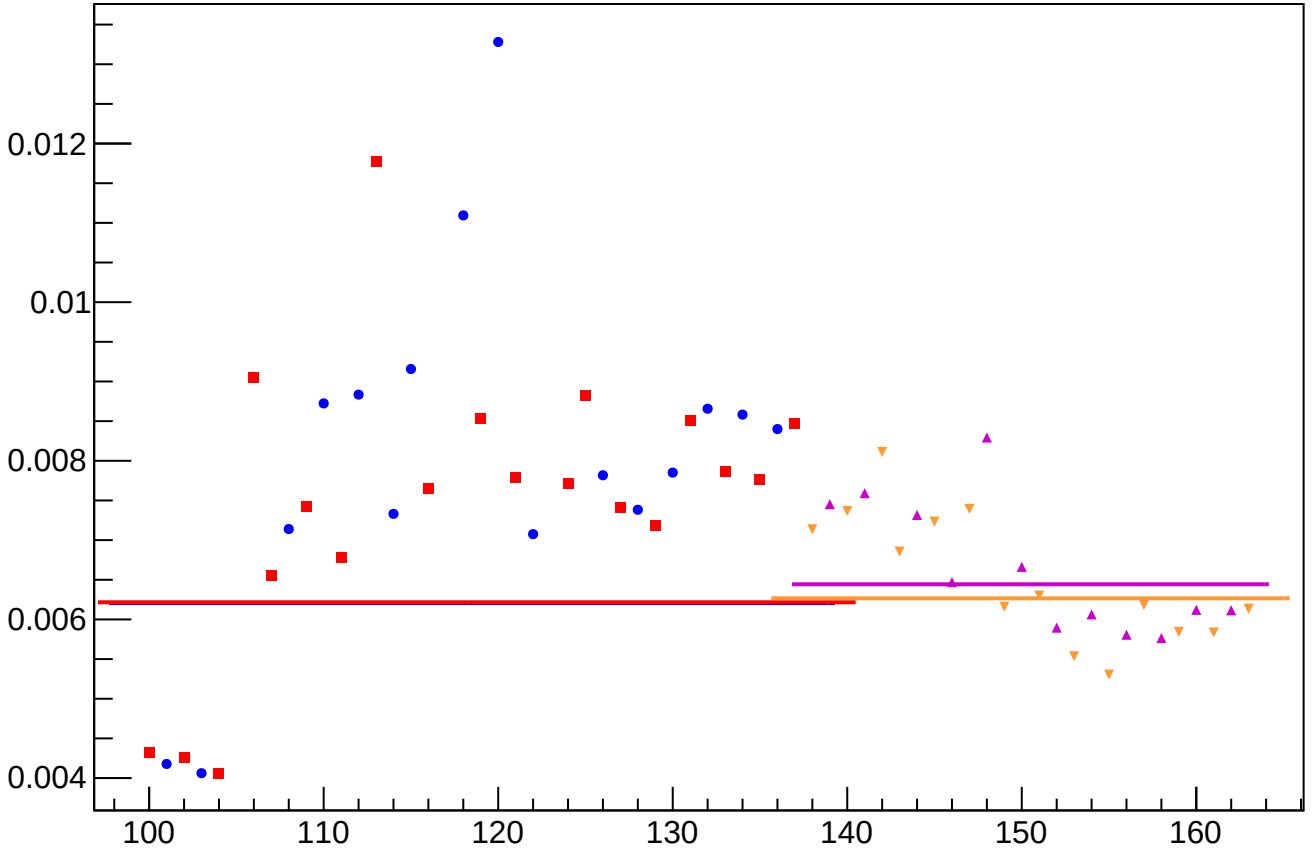
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.104+/-0.000 χ^2/NDF:463557524630.6/27

Out: 0.076+/-0.000 χ^2/NDF:506265680629.7/32

All: 0.090+/-0.000 χ^2/NDF: 969973120991.7

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:254271.7/13

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:229995.0/11

Left: 0.006+/-0.000 χ^2/NDF: 491610.2/25

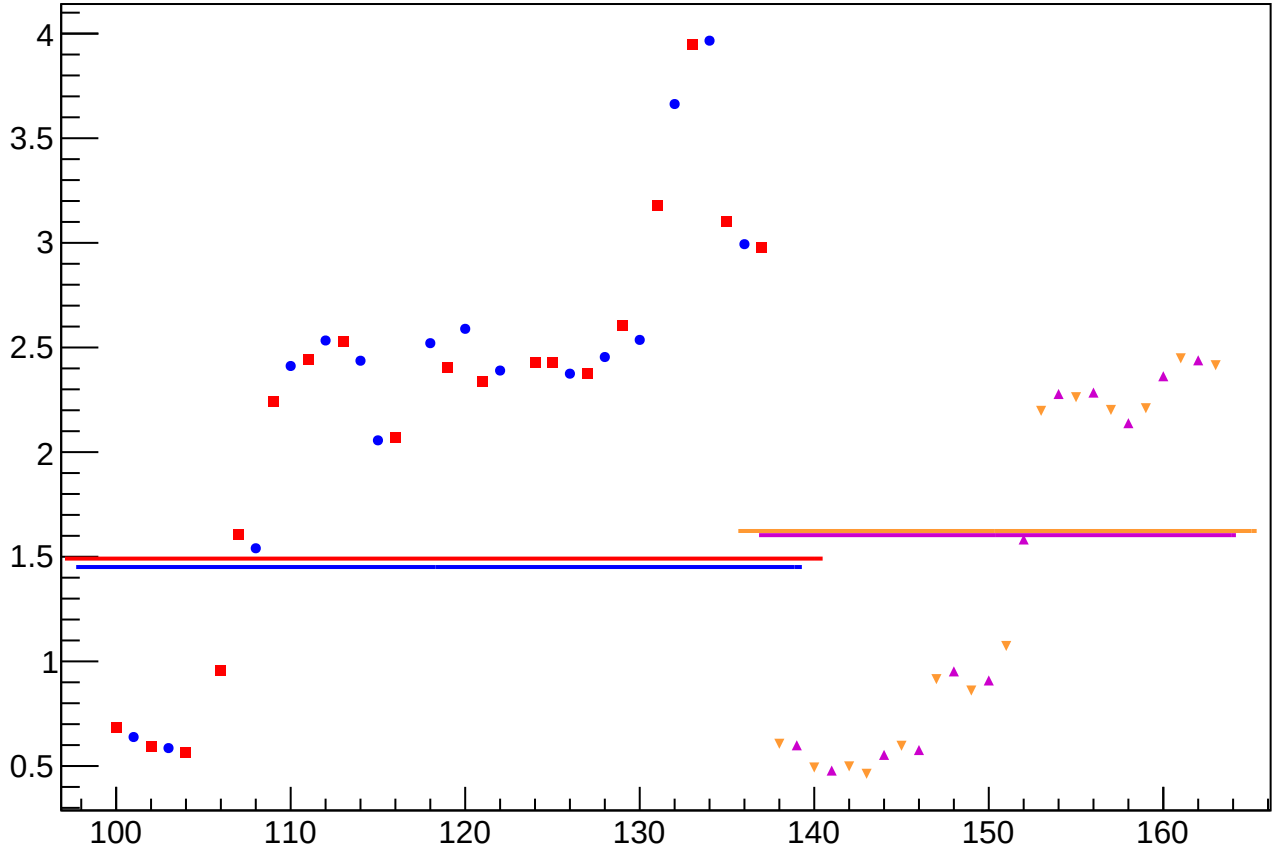
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1663718.1/27

Out: 0.006+/-0.000 χ^2/NDF:1415874.1/32

All: 0.006+/-0.000 χ^2/NDF: 3083628.2/60

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.623+/-0.000 χ^2/NDF:154799155528.8/13

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.603+/-0.000 χ^2/NDF:128163780995.5/11

Left: 1.614+/-0.000 χ^2/NDF: 283008679787.1/25

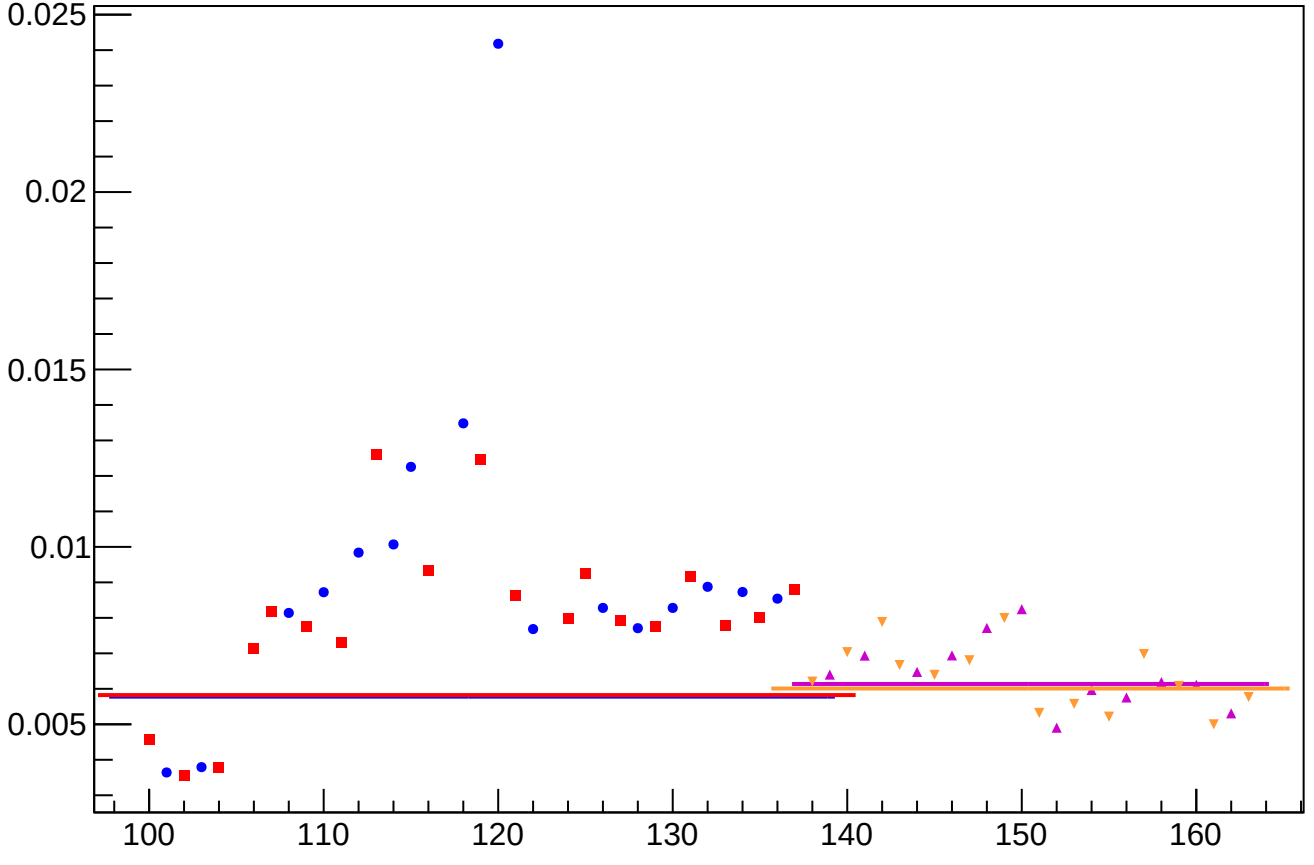
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.541+/-0.000 χ^2/NDF:299851912990.2/27

Out: 1.571+/-0.000 χ^2/NDF:343443493991.5/32

All: 1.556+/-0.000 χ^2/NDF: 643465763272.1

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:326963.8/13

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:318668.0/11

Left: 0.006+/-0.000 χ^2/NDF: 649405.8/25

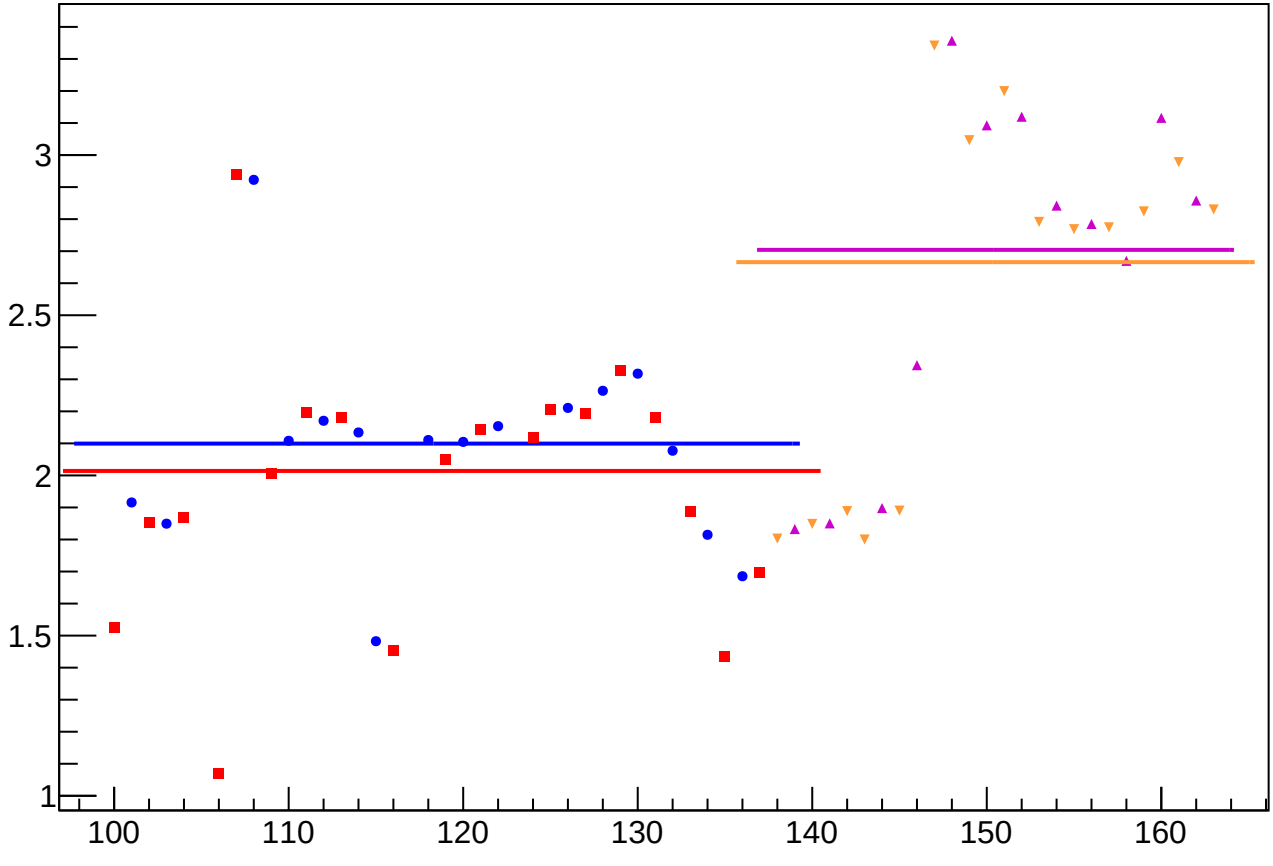
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2555075.9/27

Out: 0.006+/-0.000 χ^2/NDF:2289371.3/32

All: 0.006+/-0.000 χ^2/NDF: 4845653.7/60

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.666+/-0.000 χ^2/NDF:42816761084.3/13

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.704+/-0.000 χ^2/NDF:36043339223.5/11

Left: 2.684+/-0.000 χ^2/NDF: 78974233967.6/25

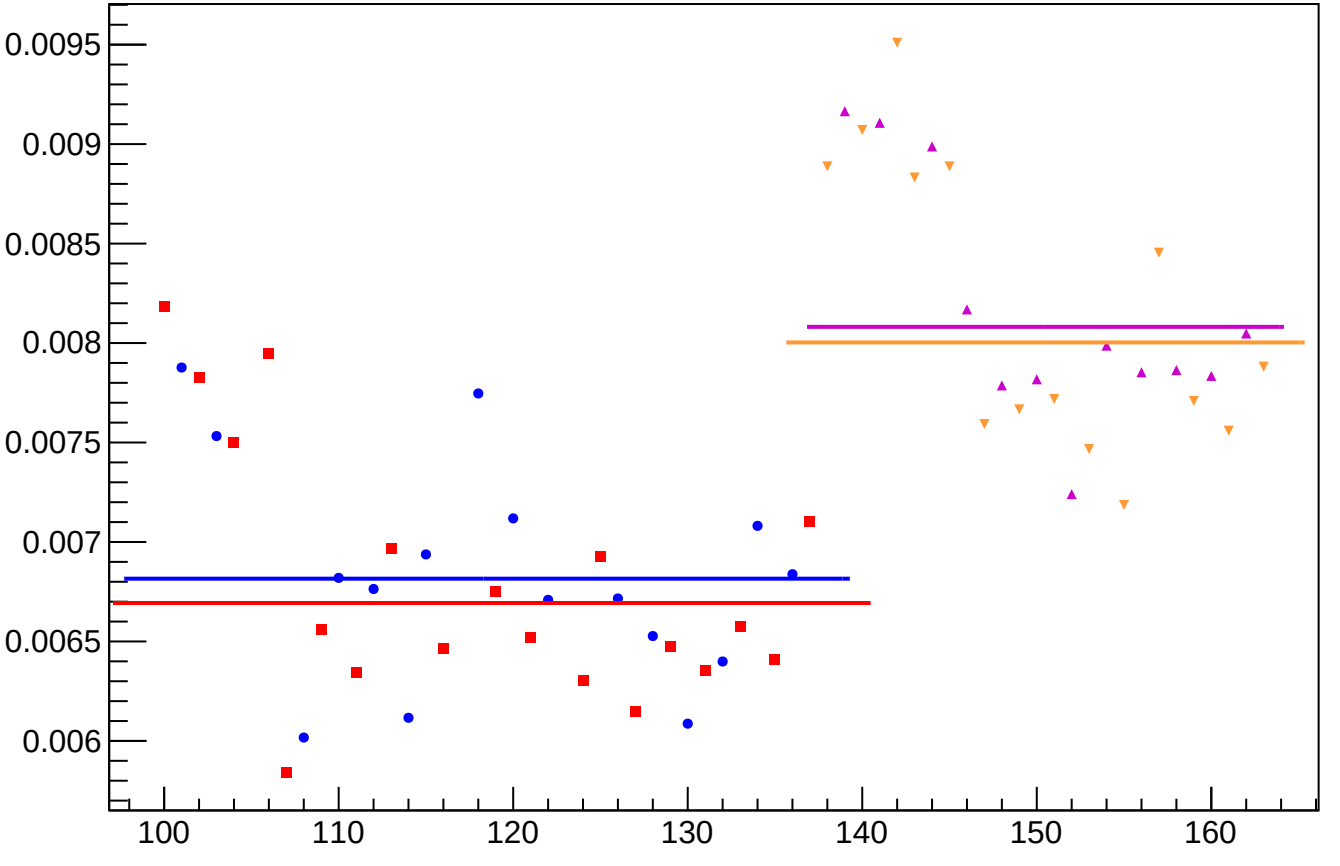
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.403+/-0.000 χ^2/NDF:77004591751.7/27

Out: 2.343+/-0.000 χ^2/NDF:96568461008.8/32

All: 2.372+/-0.000 χ^2/NDF: 174143998700.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:134208.9/13

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:91235.9/11

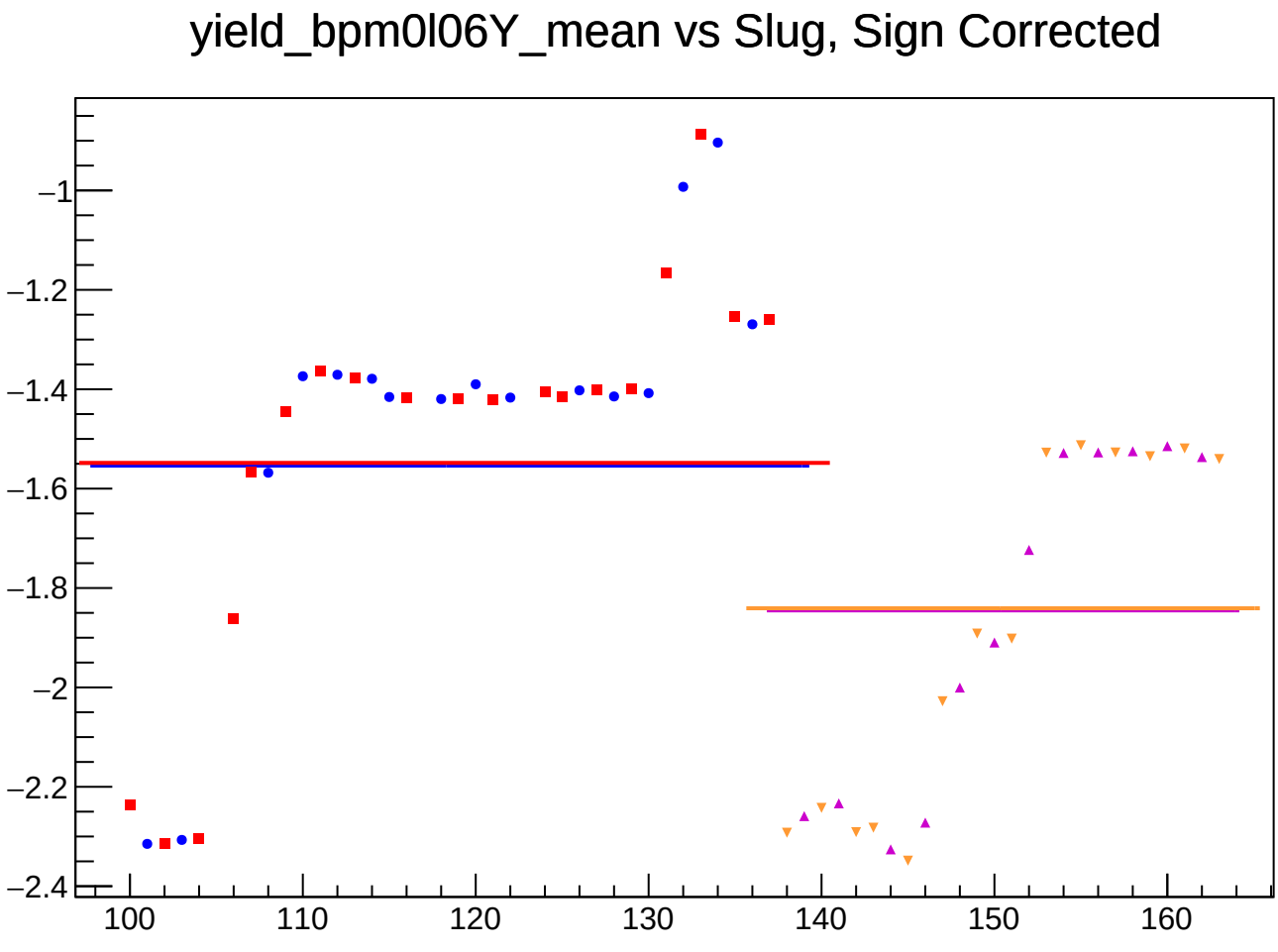
Left: 0.008+/-0.000 χ^2/NDF: 226394.7/25

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:414877.0/27

Out: 0.007+/-0.000 χ^2/NDF:497878.5/32

All: 0.007+/-0.000 χ^2/NDF: 915744.9/60



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.841+/-0.000 χ^2/NDF:116961323053.2/13

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.845+/-0.000 χ^2/NDF:102787206812.5/11

Left: -1.843+/-0.000 χ^2/NDF: 219757371843.8/25

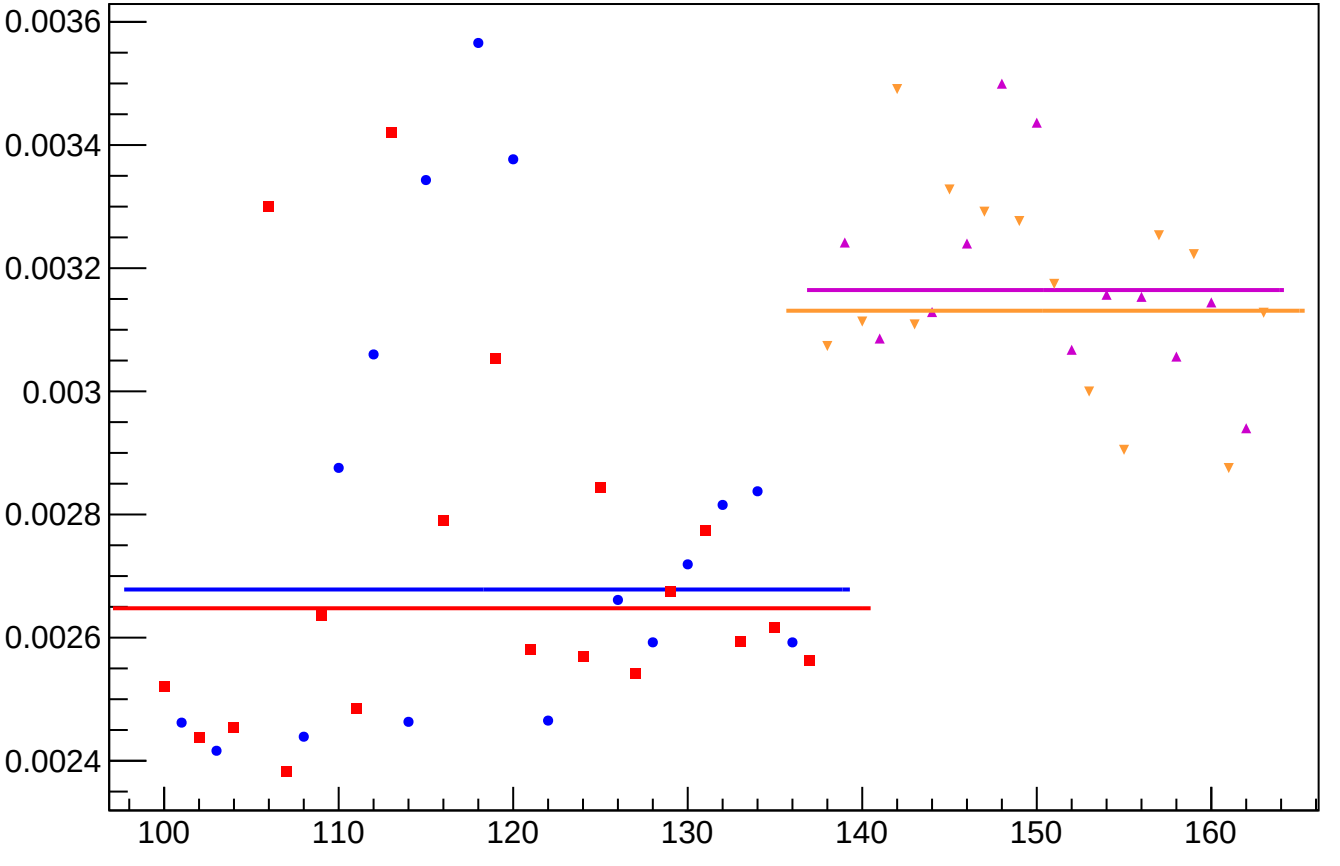
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.700+/-0.000 χ^2/NDF:317952946352.3/27

Out: -1.697+/-0.000 χ^2/NDF:335311814896.8/32

All: -1.699+/-0.000 χ^2/NDF: 653274360423.8

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:49333.6/13

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:40140.5/11

Left: 0.003+/-0.000 χ^2/NDF: 90590.3/25

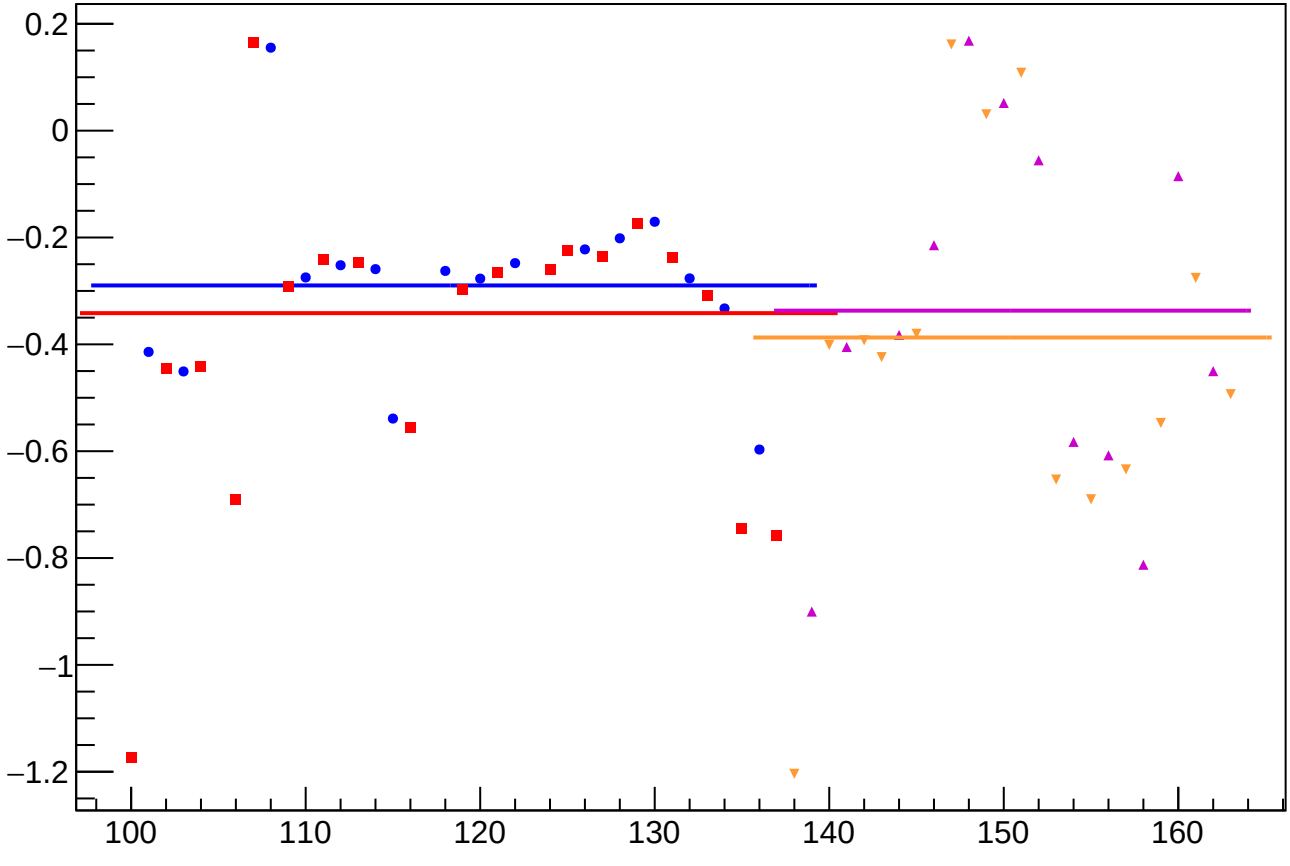
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:420834.9/27

Out: 0.003+/-0.000 χ^2/NDF:403411.5/32

All: 0.003+/-0.000 χ^2/NDF: 825920.5/60

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.387+/-0.000 χ^2/NDF:7034130200.6/13

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.337+/-0.000 χ^2/NDF:5679089412.9/11

Left: -0.363+/-0.000 χ^2/NDF: 12783847920.9/25

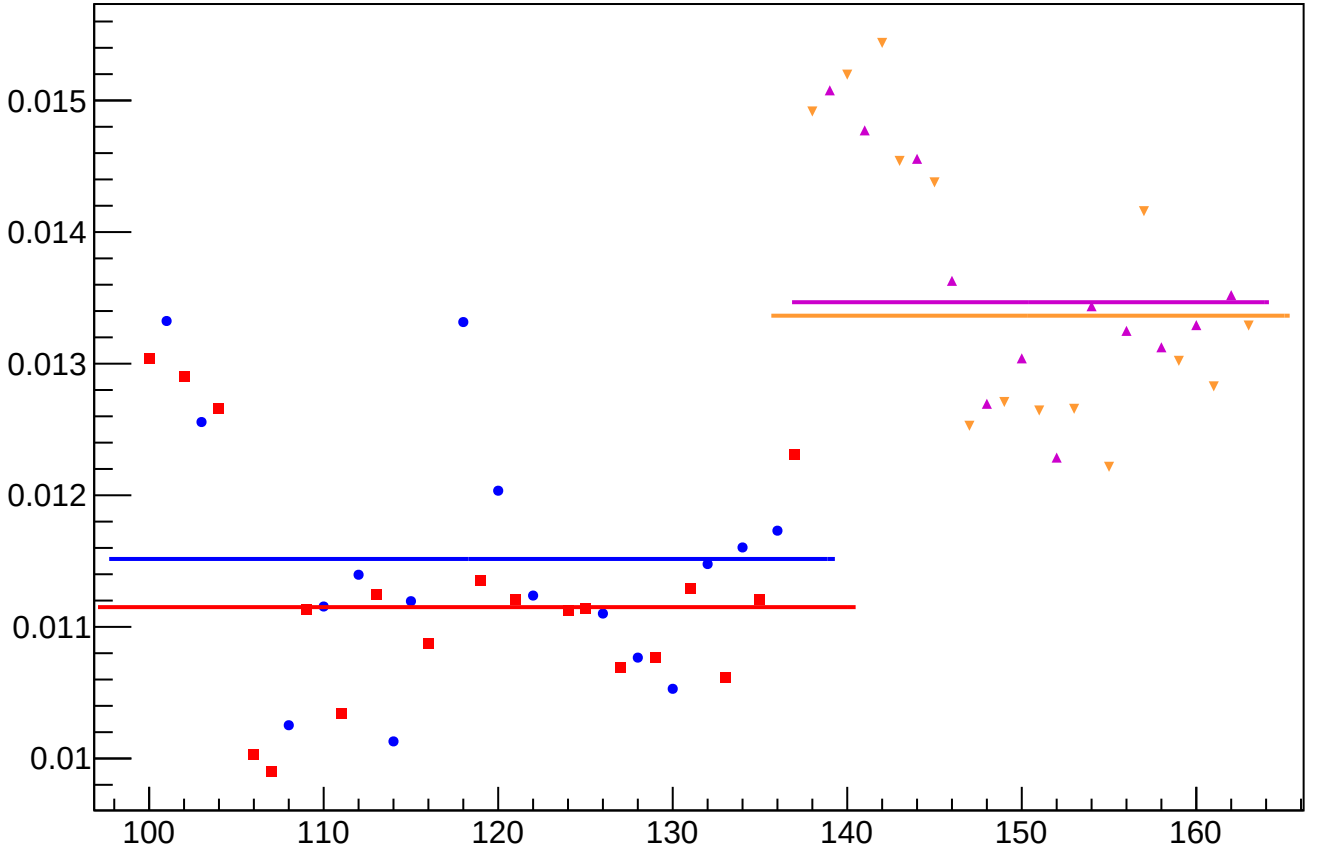
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.314+/-0.000 χ^2/NDF:7382978058.3/27

Out: -0.364+/-0.000 χ^2/NDF:9704123738.4/32

All: -0.340+/-0.000 χ^2/NDF: 17230166103.3/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:113311.9/13

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:65156.3/11

Left: 0.013+/-0.000 χ^2/NDF: 179054.0/25

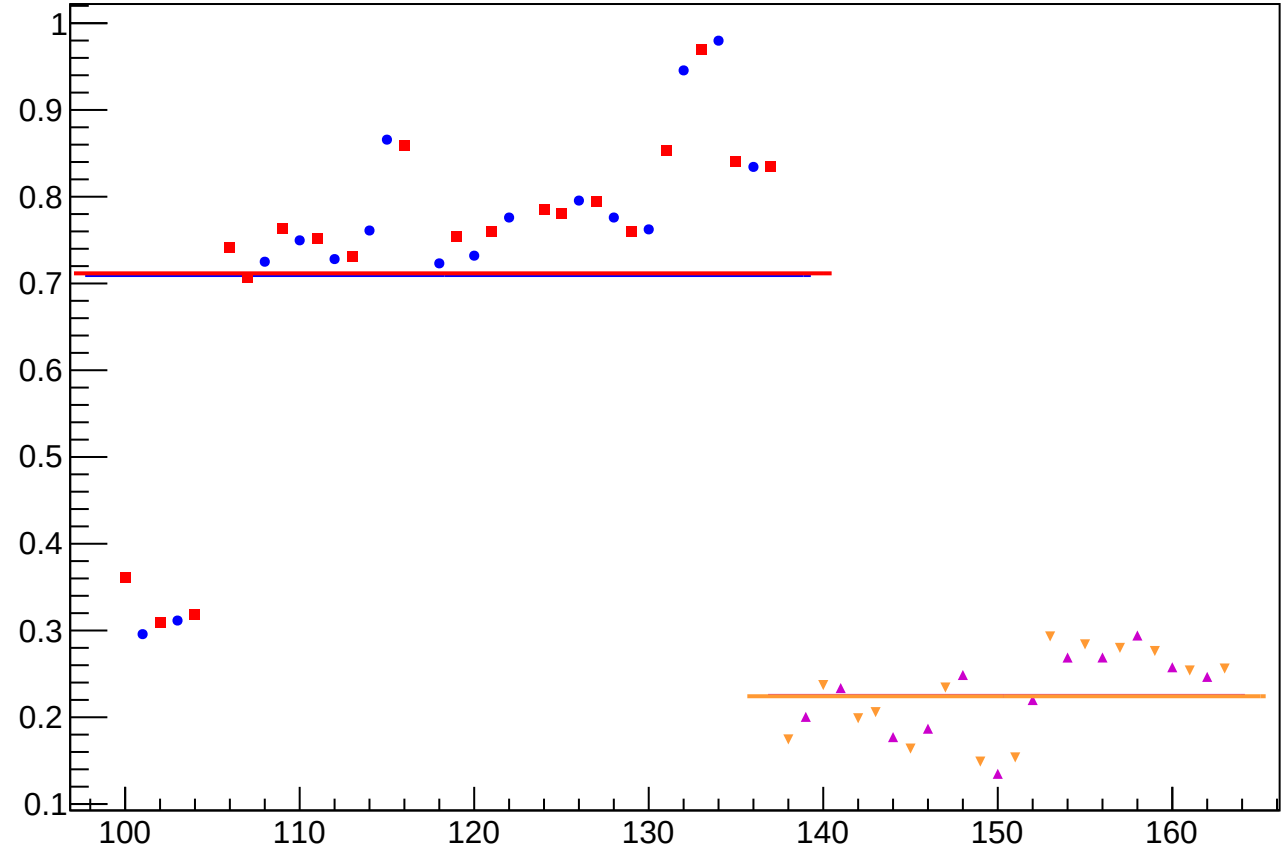
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.013+/-0.000 χ^2/NDF:350315.4/27

Out: 0.012+/-0.000 χ^2/NDF:470256.6/32

All: 0.012+/-0.000 χ^2/NDF: 827254.4/60

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.224+/-0.000 χ^2/NDF:5496805599.6/13

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.225+/-0.000 χ^2/NDF:4203066533.1/11

Left: 0.224+/-0.000 χ^2/NDF: 9700047239.6/25

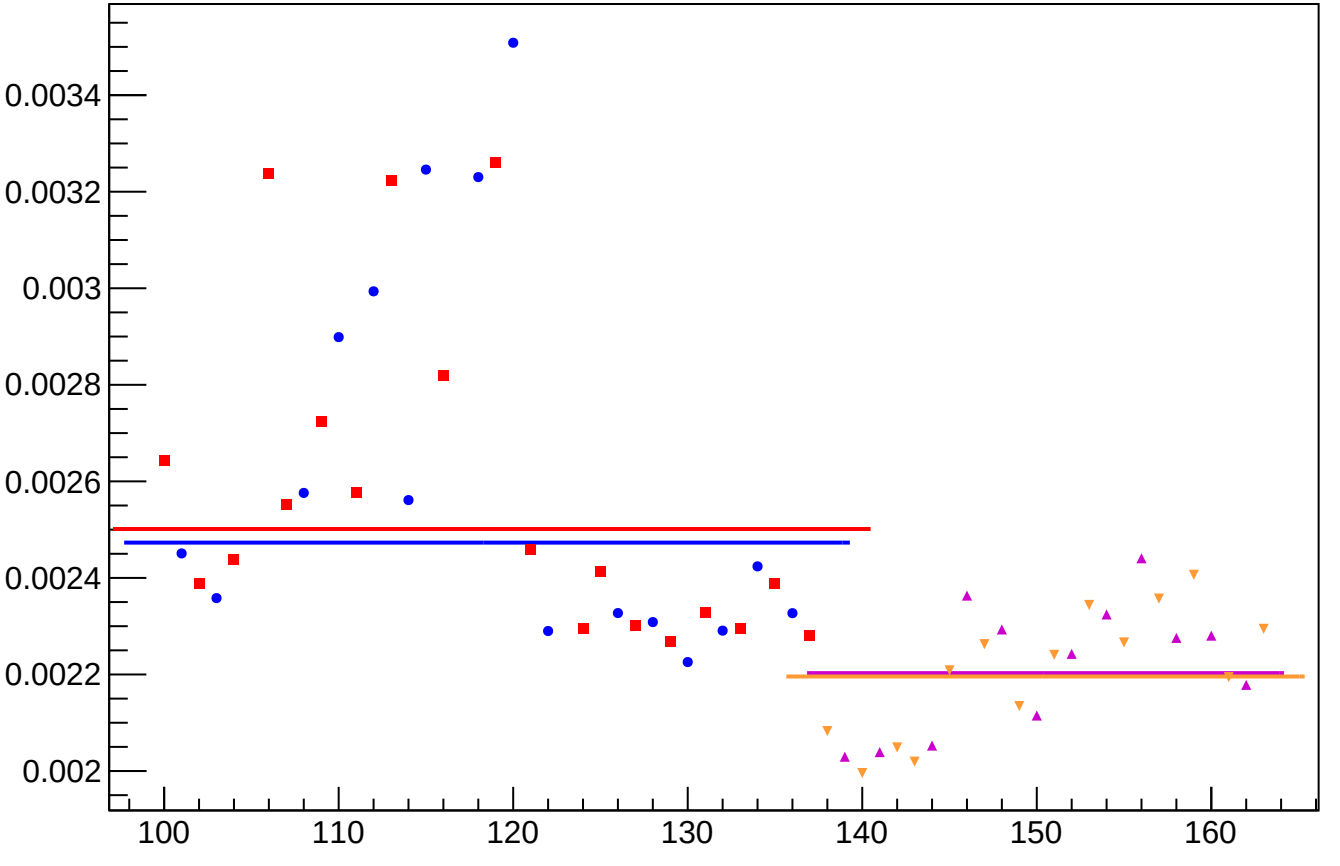
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.393+/-0.000 χ^2/NDF:224617868104.6/27

Out: 0.385+/-0.000 χ^2/NDF:228758289403.7/32

All: 0.389+/-0.000 χ^2/NDF: 453475056470.4

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:73601.4/13

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:71548.7/11

Left: 0.002+/-0.000 χ^2/NDF: 145256.6/25

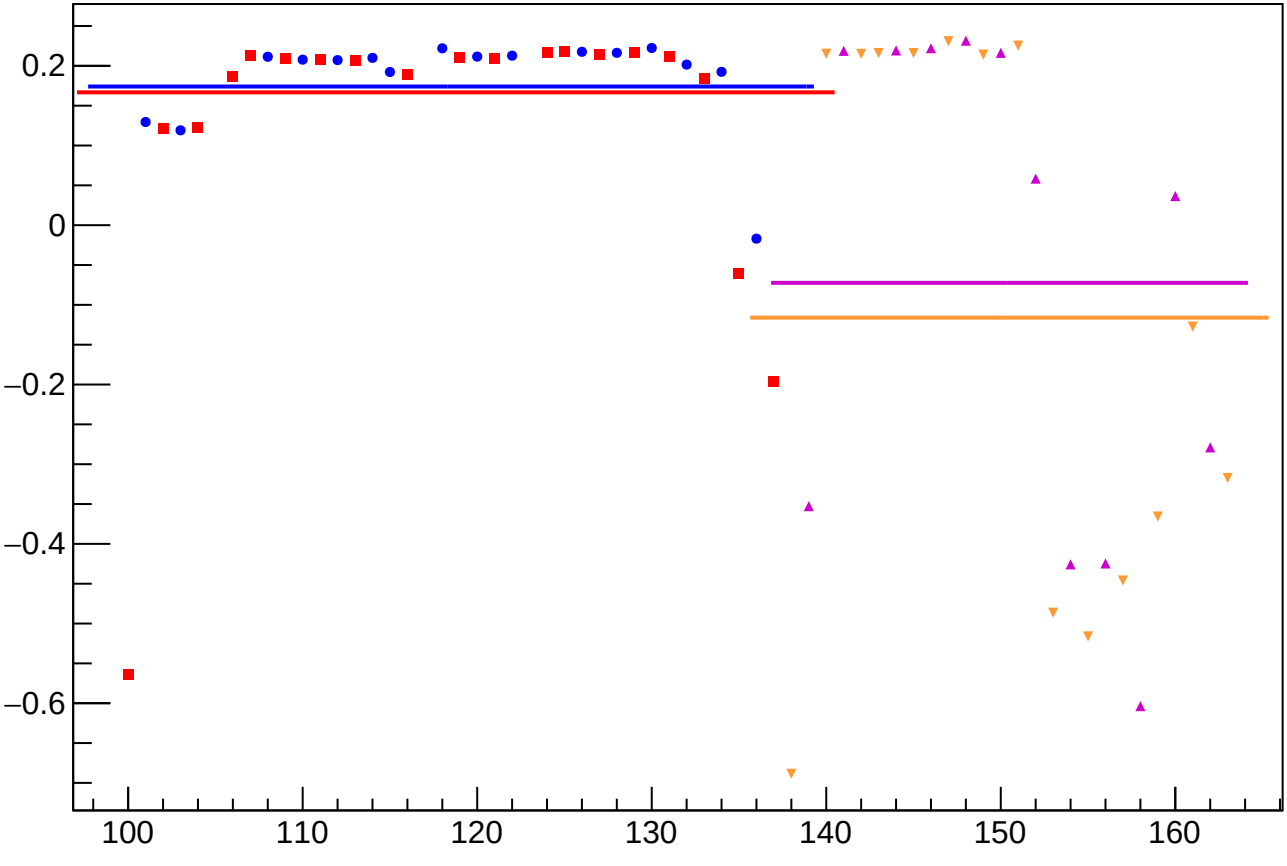
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:386155.9/27

Out: 0.002+/-0.000 χ^2/NDF:391791.6/32

All: 0.002+/-0.000 χ^2/NDF: 777947.5/60

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.116+/-0.000 χ^2/NDF:7995627402.2/13

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.072+/-0.000 χ^2/NDF:6130318539.9/11

Left: -0.095+/-0.000 χ^2/NDF: 14191160100.9/25

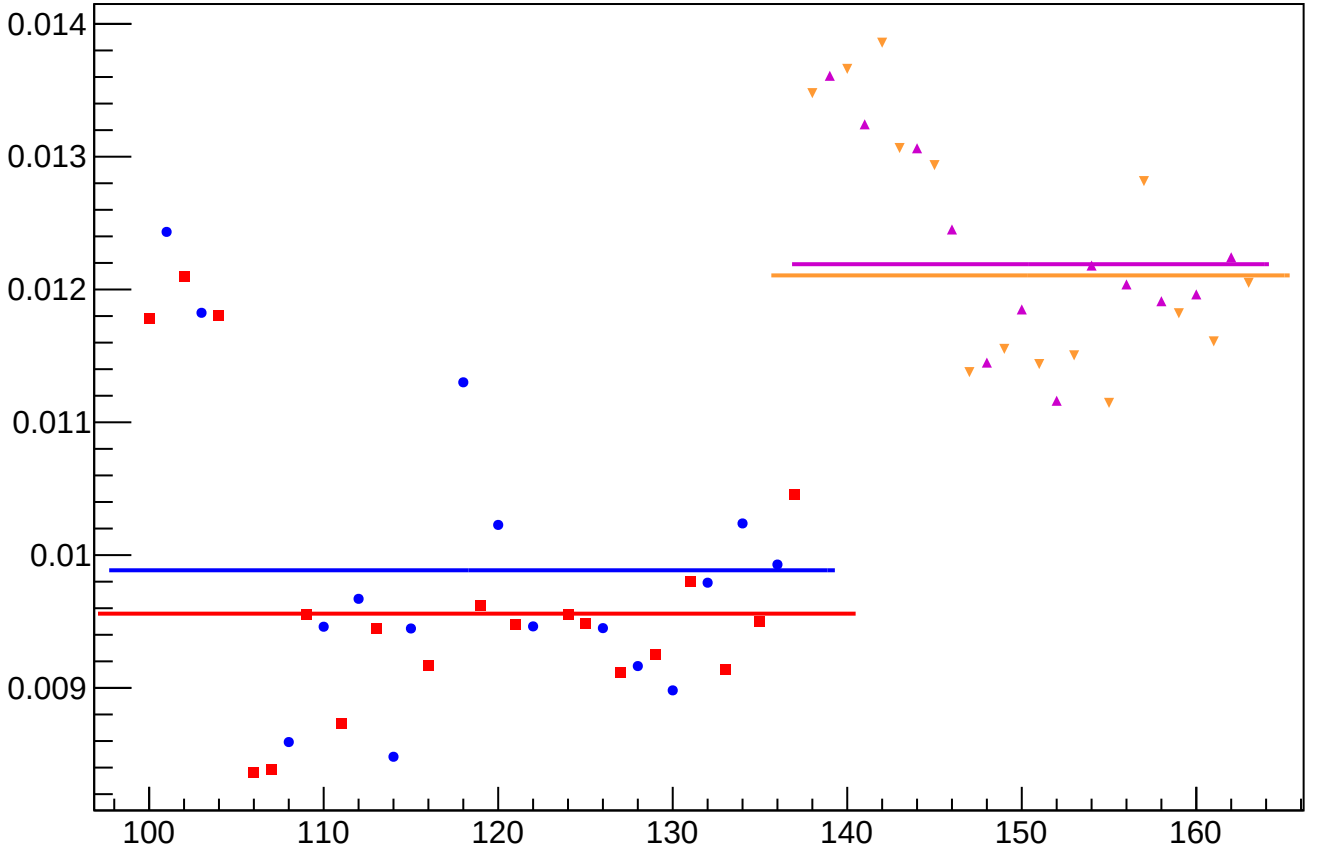
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.055+/-0.000 χ^2/NDF:8587827842.2/27

Out: 0.032+/-0.000 χ^2/NDF:11887783202.8/32

All: 0.043+/-0.000 χ^2/NDF: 20513296587.1/6

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:101954.8/13

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:59634.6/11

Left: 0.012+/-0.000 χ^2/NDF: 162074.8/25

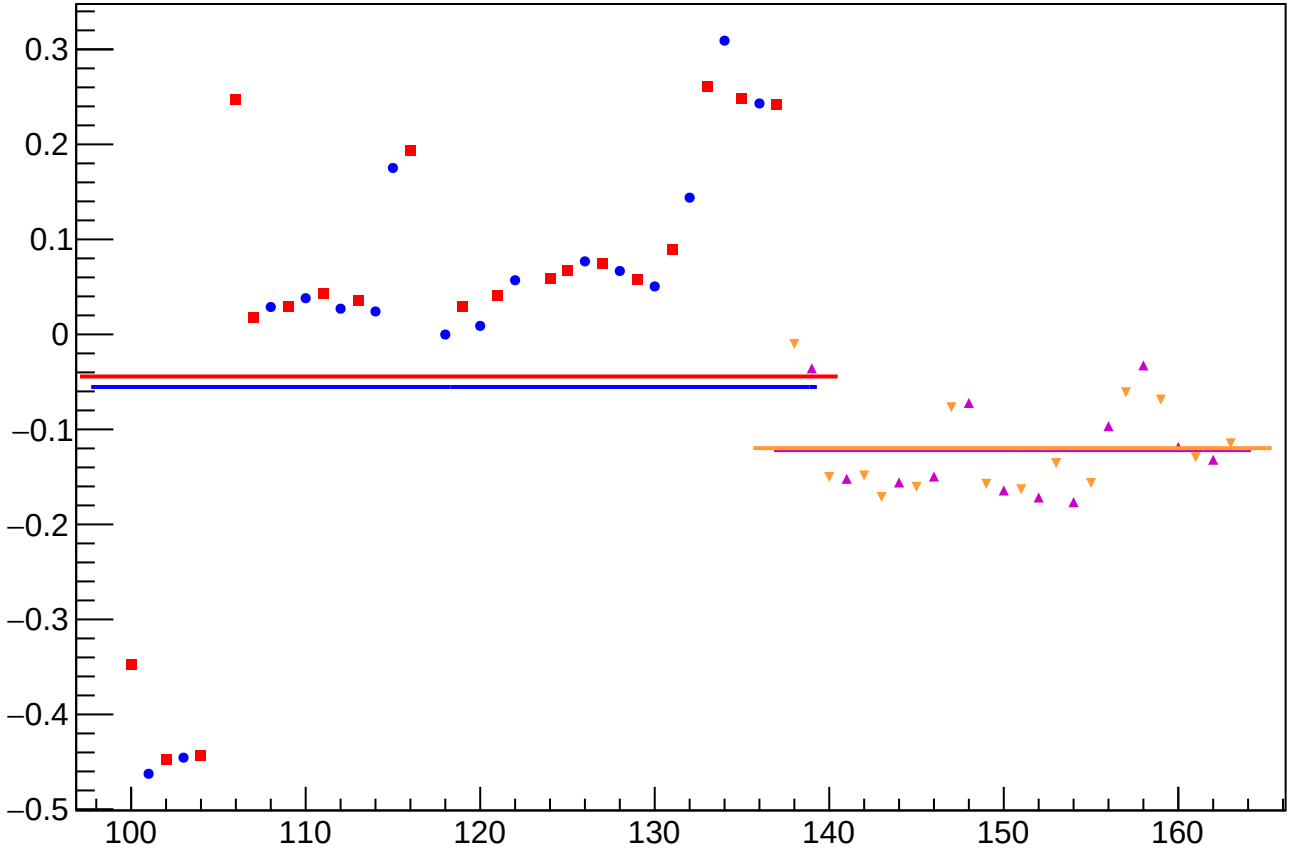
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:567825.4/27

Out: 0.011+/-0.000 χ^2/NDF:724544.1/32

All: 0.011+/-0.000 χ^2/NDF: 1299688.4/60

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.120+/-0.000 χ^2/NDF:2710685750.2/13

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.122+/-0.000 χ^2/NDF:2734124125.4/11

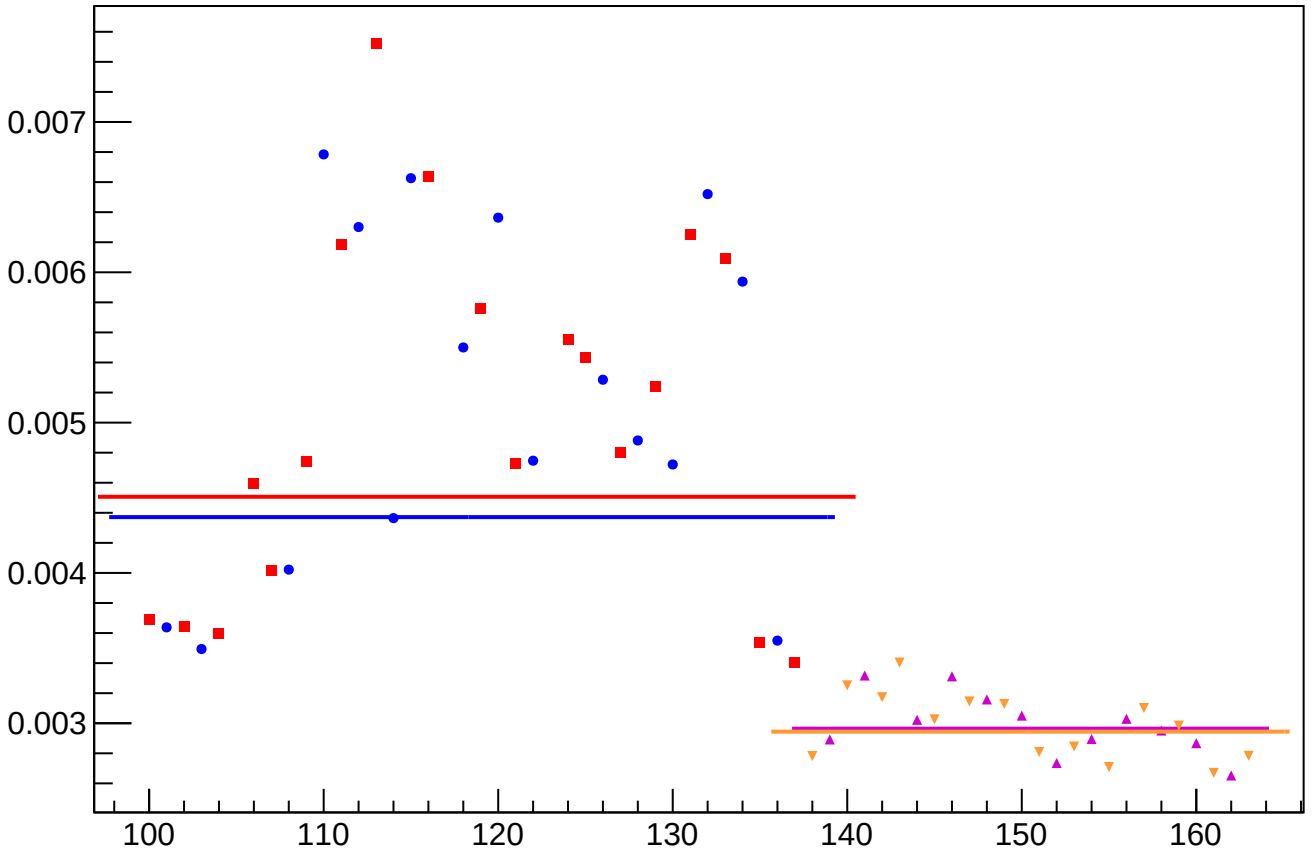
Left: -0.121+/-0.000 χ^2/NDF: 5447275876.3/25

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.107+/-0.000 χ^2/NDF:27911277693.6/27

Out: -0.104+/-0.000 χ^2/NDF:26269570944.5/32

All: -0.106+/-0.000 χ^2/NDF: 54186356011.0/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:106396.9/13

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:81377.9/11

Left: 0.003+/-0.000 χ^2/NDF: 188231.4/25

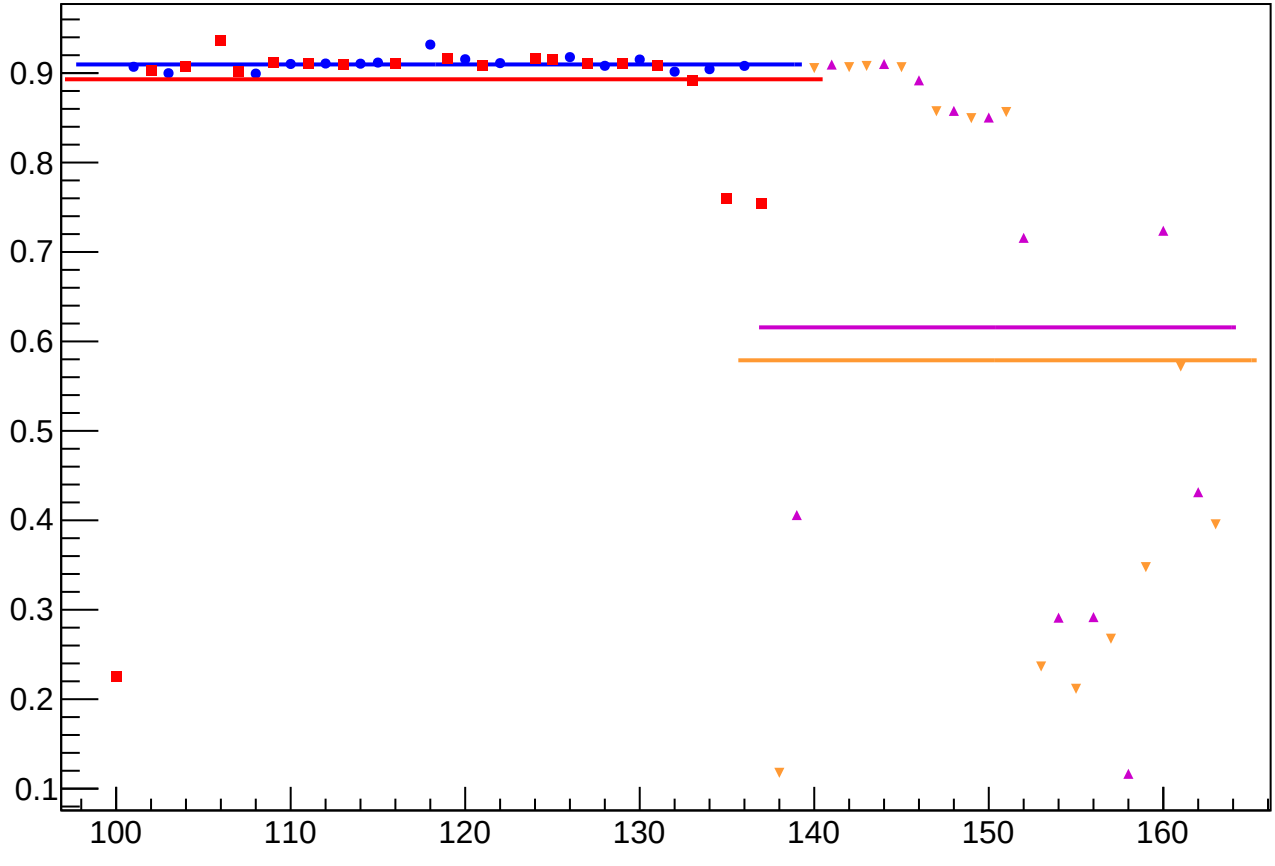
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1724438.2/27

Out: 0.003+/-0.000 χ^2/NDF:2031753.8/32

All: 0.003+/-0.000 χ^2/NDF: 3756438.0/60

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.579+/-0.000 χ^2/NDF:6770116060.5/13

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.616+/-0.000 χ^2/NDF:5397241260.9/11

Left: 0.597+/-0.000 χ^2/NDF: 12216575572.7/25

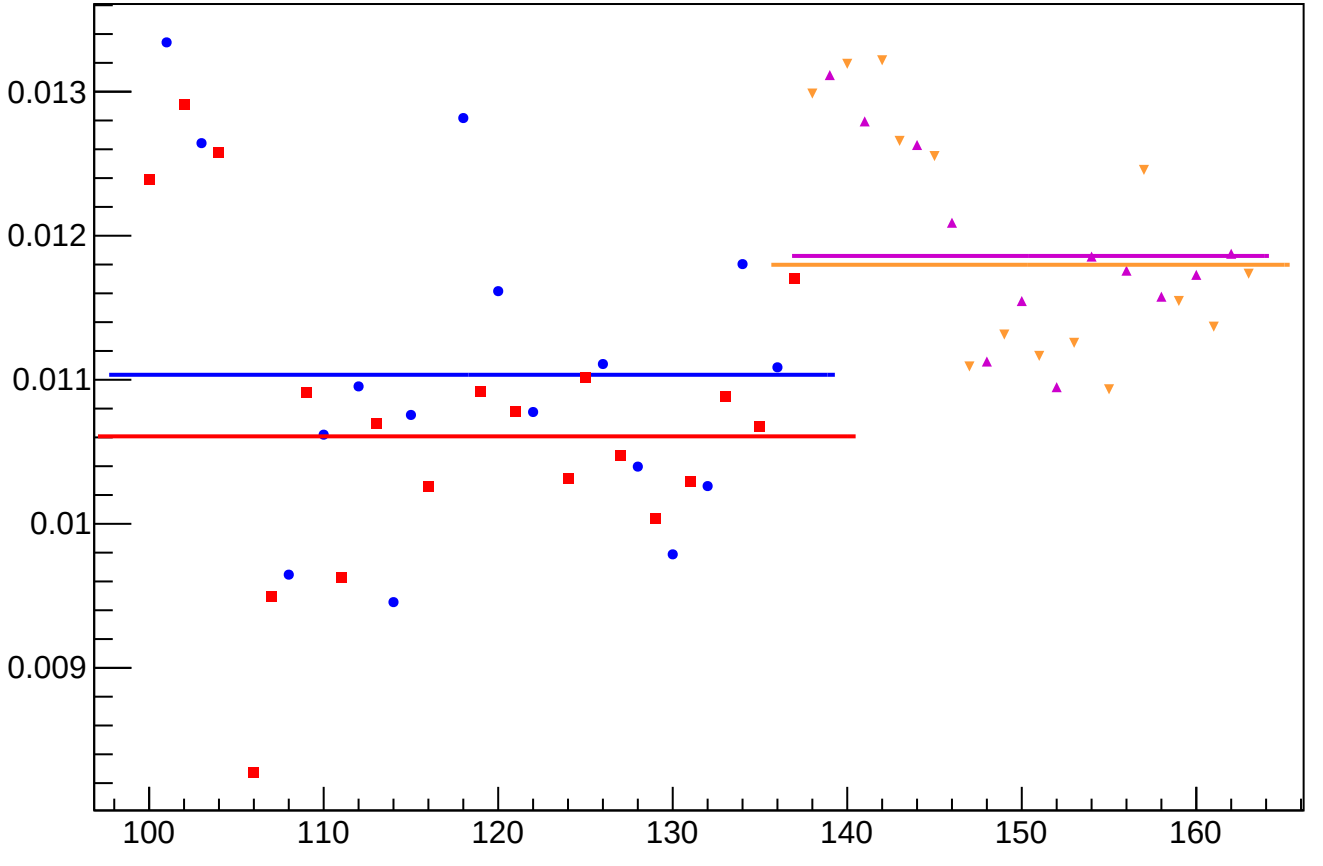
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.747+/-0.000 χ^2/NDF:8092667533.2/27

Out: 0.723+/-0.000 χ^2/NDF:10525605429.7/32

All: 0.734+/-0.000 χ^2/NDF: 18658294048.5/6

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:86796.9/13

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:51459.6/11

Left: 0.012+/-0.000 χ^2/NDF: 138530.0/25

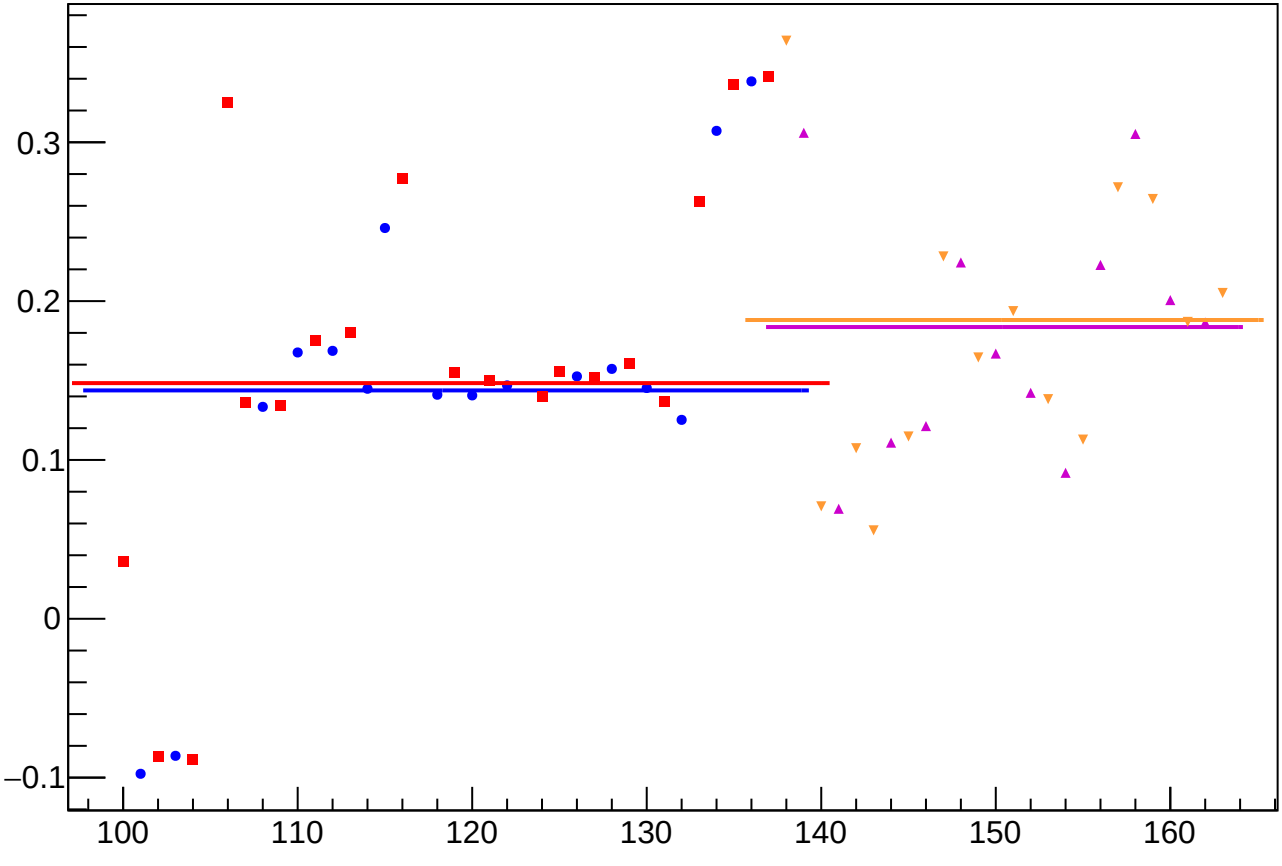
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:224231.9/27

Out: 0.011+/-0.000 χ^2/NDF:329261.5/32

All: 0.011+/-0.000 χ^2/NDF: 560960.0/60

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.188+/-0.000 χ^2/NDF:5867066837.4/13

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.184+/-0.000 χ^2/NDF:4387559464.1/11

Left: 0.186+/-0.000 χ^2/NDF: 10263345939.3/25

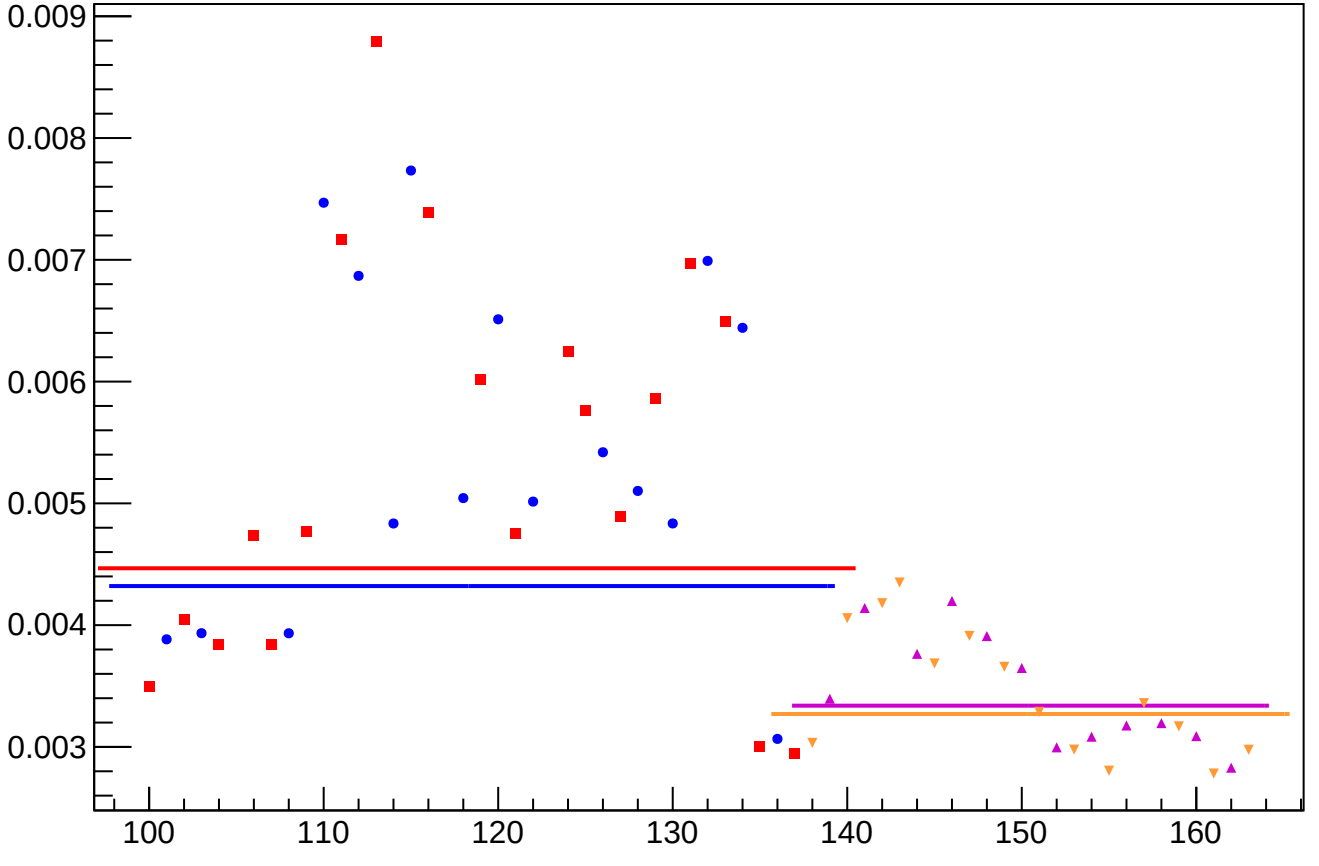
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:12612479210.7/27

Out: 0.179+/-0.000 χ^2/NDF:13352672981.1/32

All: 0.176+/-0.000 χ^2/NDF: 25983736831.9/6

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:386638.9/13

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:286117.7/11

Left: 0.003+/-0.000 χ^2/NDF: 676918.9/25

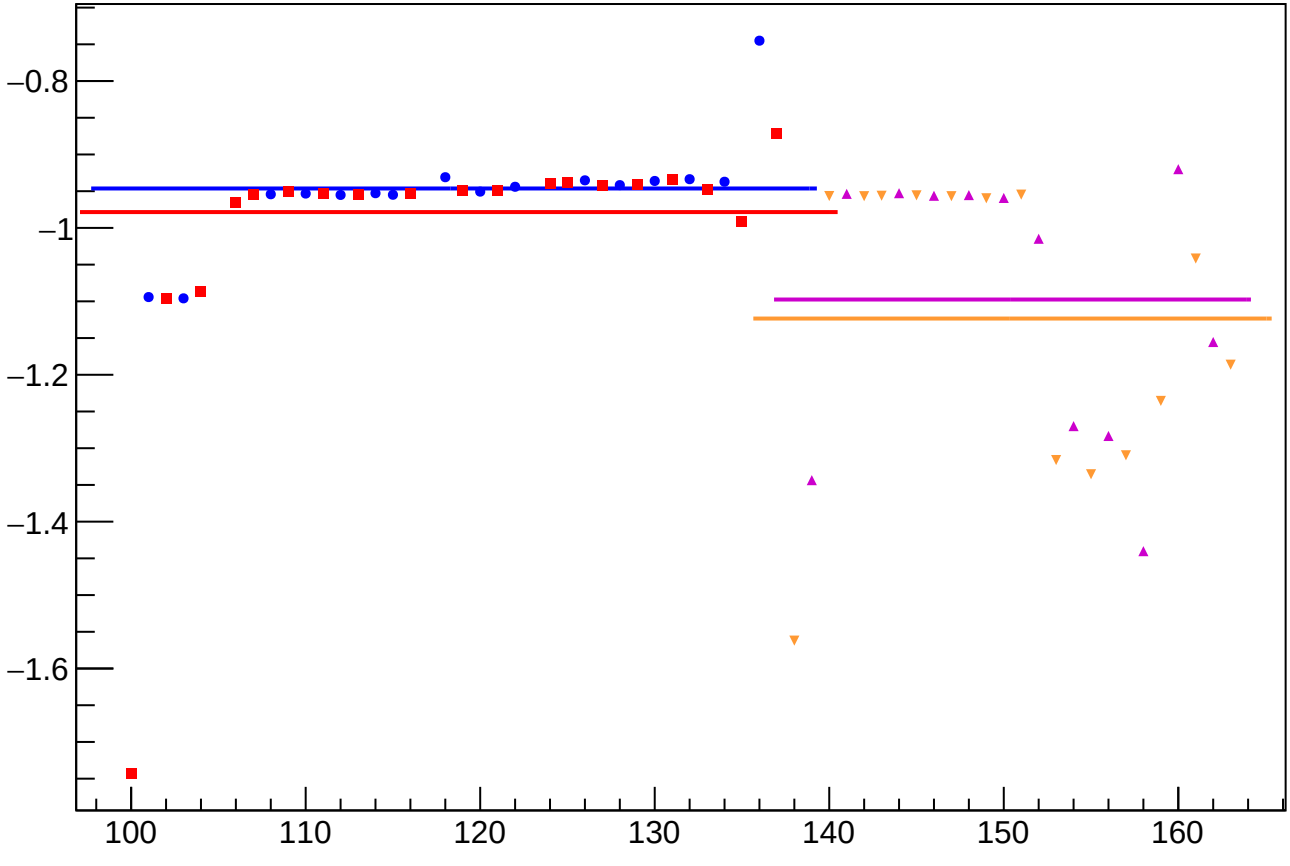
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1597779.4/27

Out: 0.004+/-0.000 χ^2/NDF:2120191.6/32

All: 0.004+/-0.000 χ^2/NDF: 3720324.3/60

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.123+/-0.000 χ^2/NDF:3380702375.9/13

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.098+/-0.000 χ^2/NDF:2827424239.6/11

Left: -1.111+/-0.000 χ^2/NDF: 6239068297.3/25

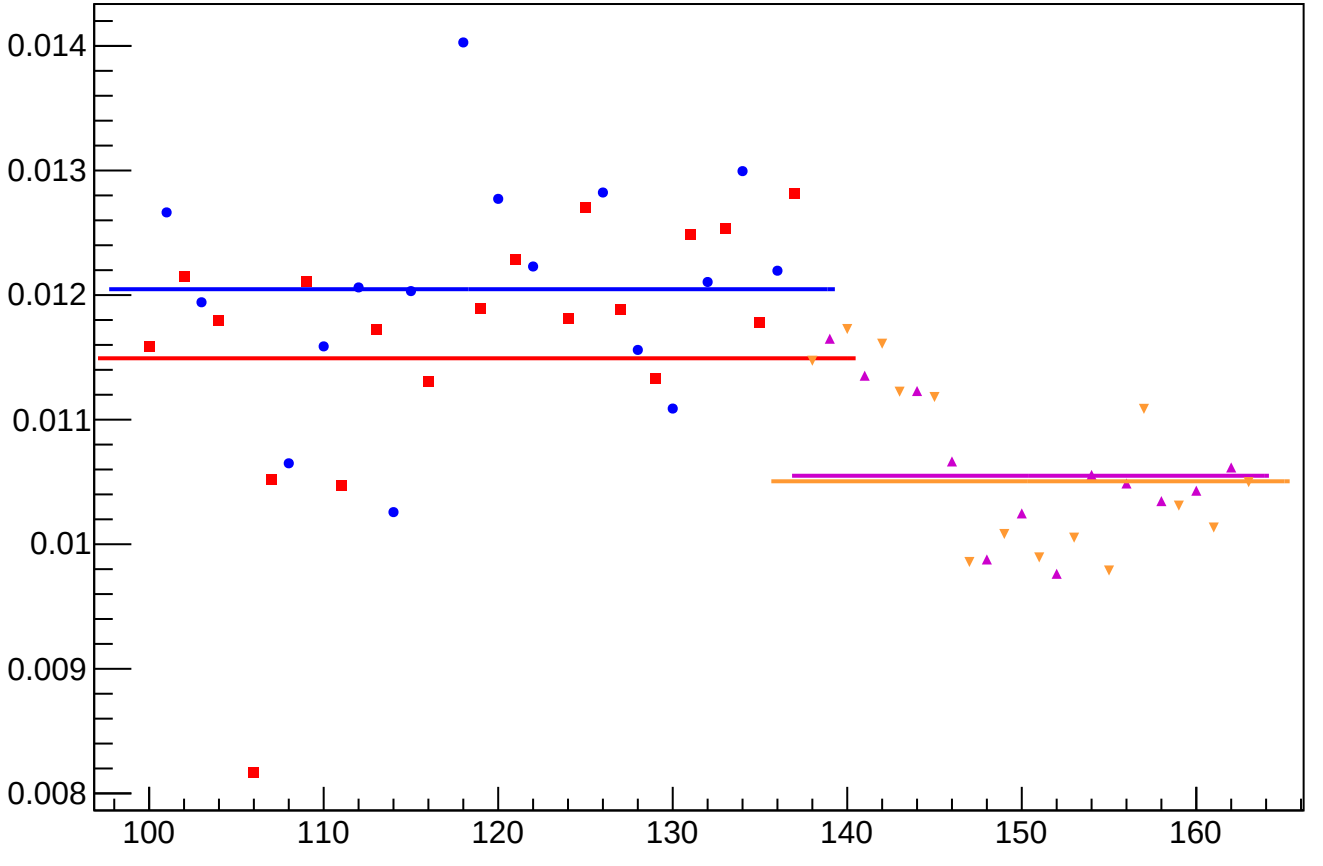
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.045+/-0.000 χ^2/NDF:3937176577.4/27

Out: -1.071+/-0.000 χ^2/NDF:4570539837.5/32

All: -1.059+/-0.000 χ^2/NDF: 8557228901.5/6

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:81283.6/13

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:50072.6/11

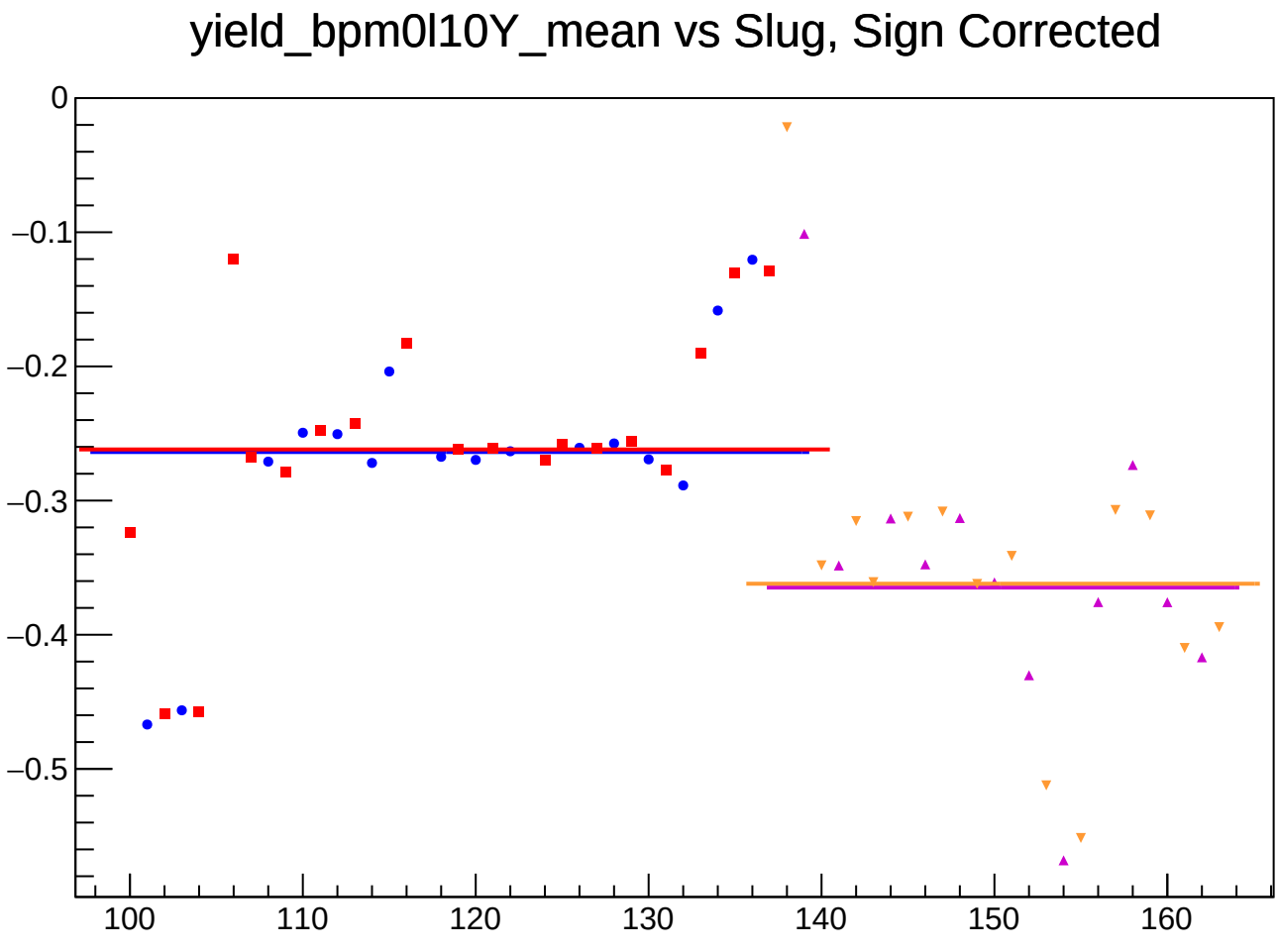
Left: 0.011+/-0.000 χ^2/NDF: 131538.9/25

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

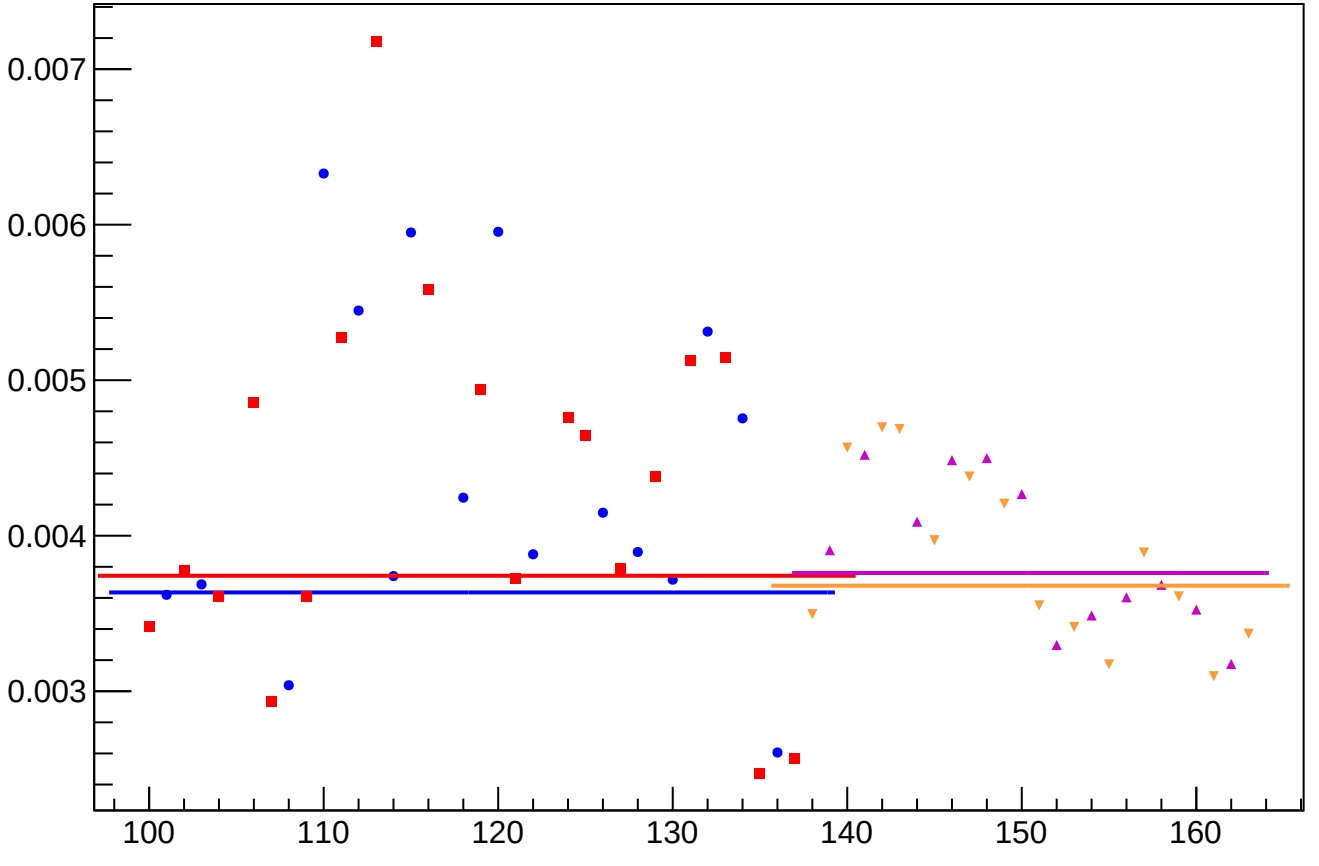
In: 0.011+/-0.000 χ^2/NDF:250859.9/27

Out: 0.011+/-0.000 χ^2/NDF:300190.2/32

All: 0.011+/-0.000 χ^2/NDF: 557367.7/60


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.362+/-0.000 χ²/NDF:11565591399.4/13
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.365+/-0.000 χ²/NDF:7472632608.6/11
Left: -0.363+/-0.000 χ²/NDF: 19041032101.0/25
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.324+/-0.000 χ²/NDF:16242140380.4/27
Out: -0.325+/-0.000 χ²/NDF:19530756643.0/32
All: -0.325+/-0.000 χ²/NDF: 35773259070.1/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:348194.1/13

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:259645.9/11

Left: 0.004+/-0.000 χ^2/NDF: 612412.8/25

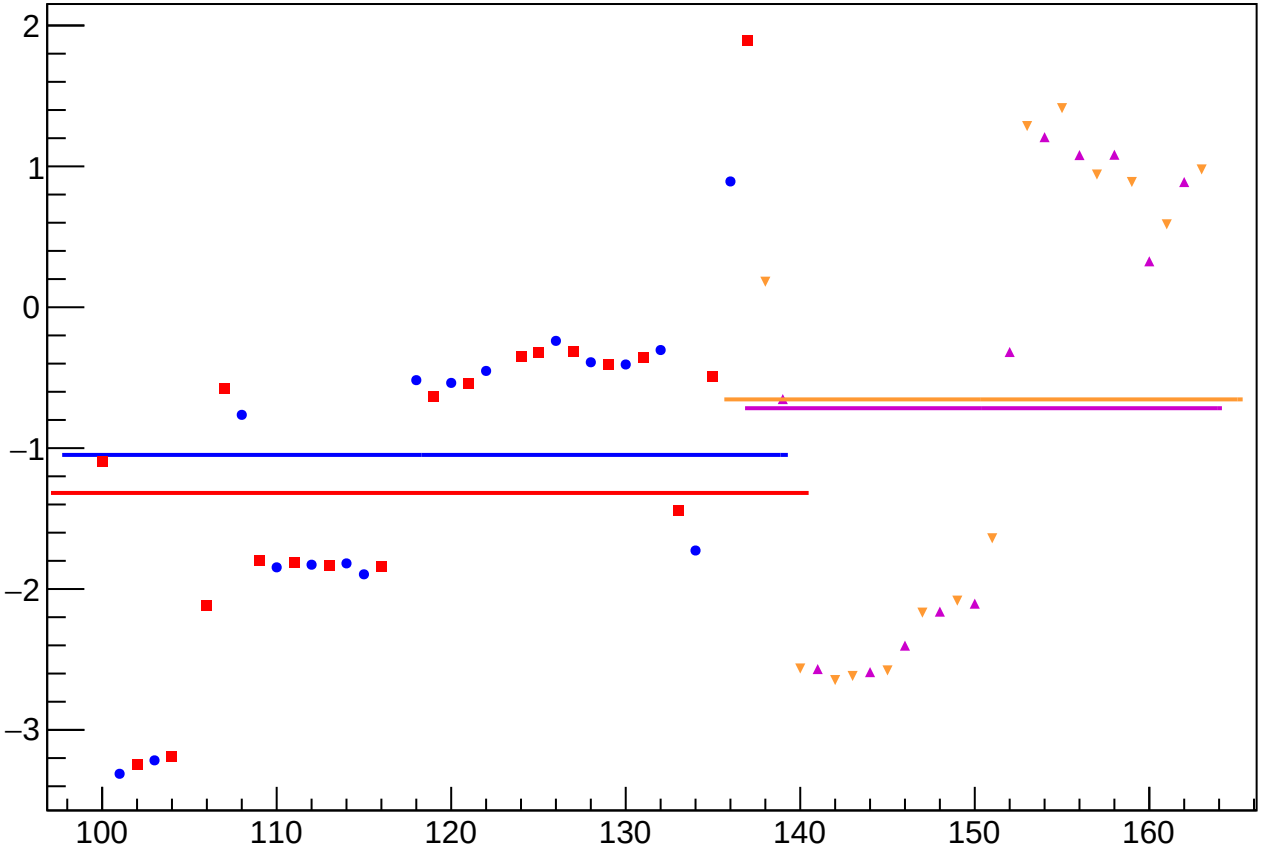
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:996398.6/27

Out: 0.004+/-0.000 χ^2/NDF:1244586.2/32

All: 0.004+/-0.000 χ^2/NDF: 2241050.8/60

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.654+/-0.000 χ^2/NDF:5172778939.3/13

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.717+/-0.000 χ^2/NDF:4103964927.2/11

Left: -0.684+/-0.000 χ^2/NDF: 9280351105.9/25

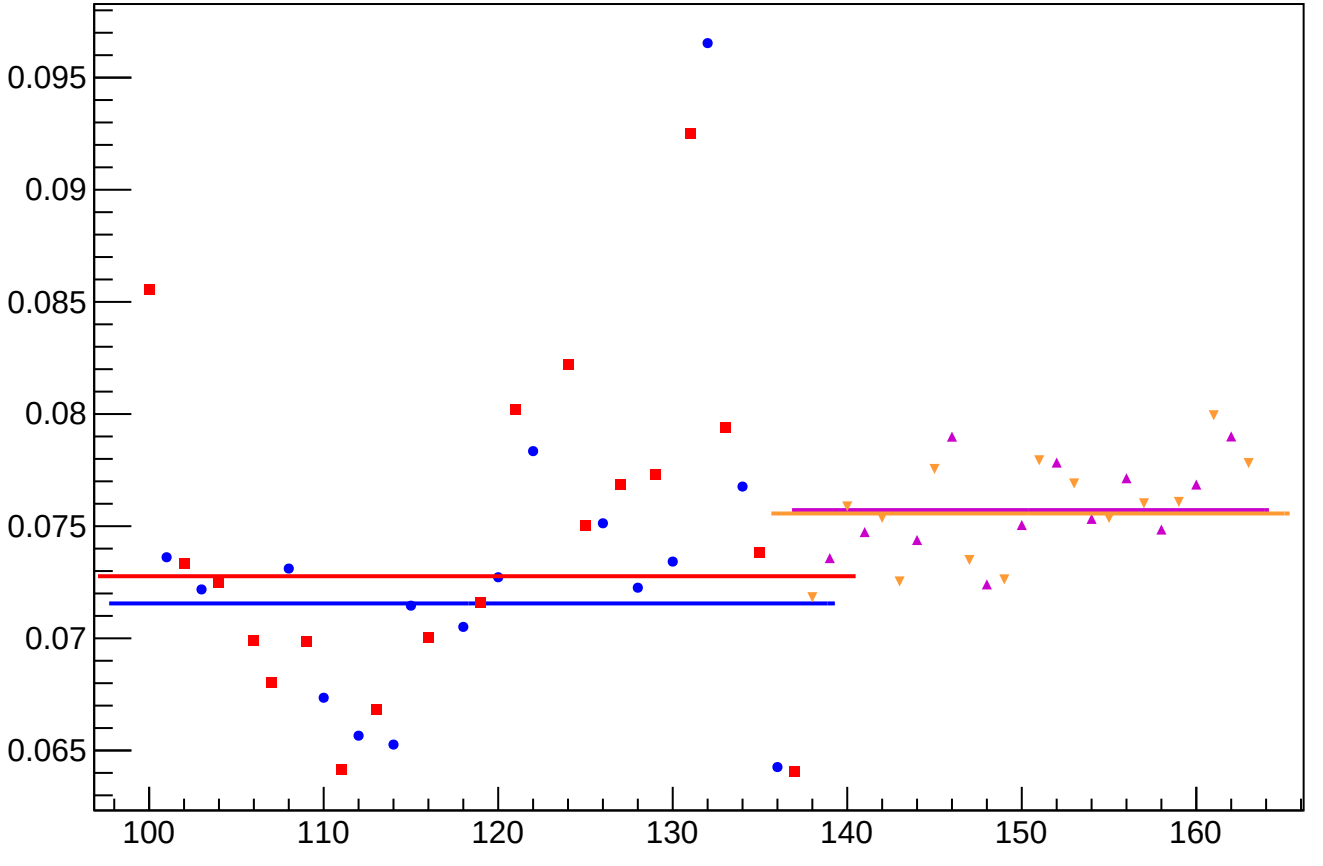
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.861+/-0.000 χ^2/NDF:6535717768.6/27

Out: -0.930+/-0.000 χ^2/NDF:7373945195.5/32

All: -0.897+/-0.000 χ^2/NDF: 13917290806.2/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.076+/-0.000 χ^2/NDF:20452.6/13

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.076+/-0.000 χ^2/NDF:13879.6/11

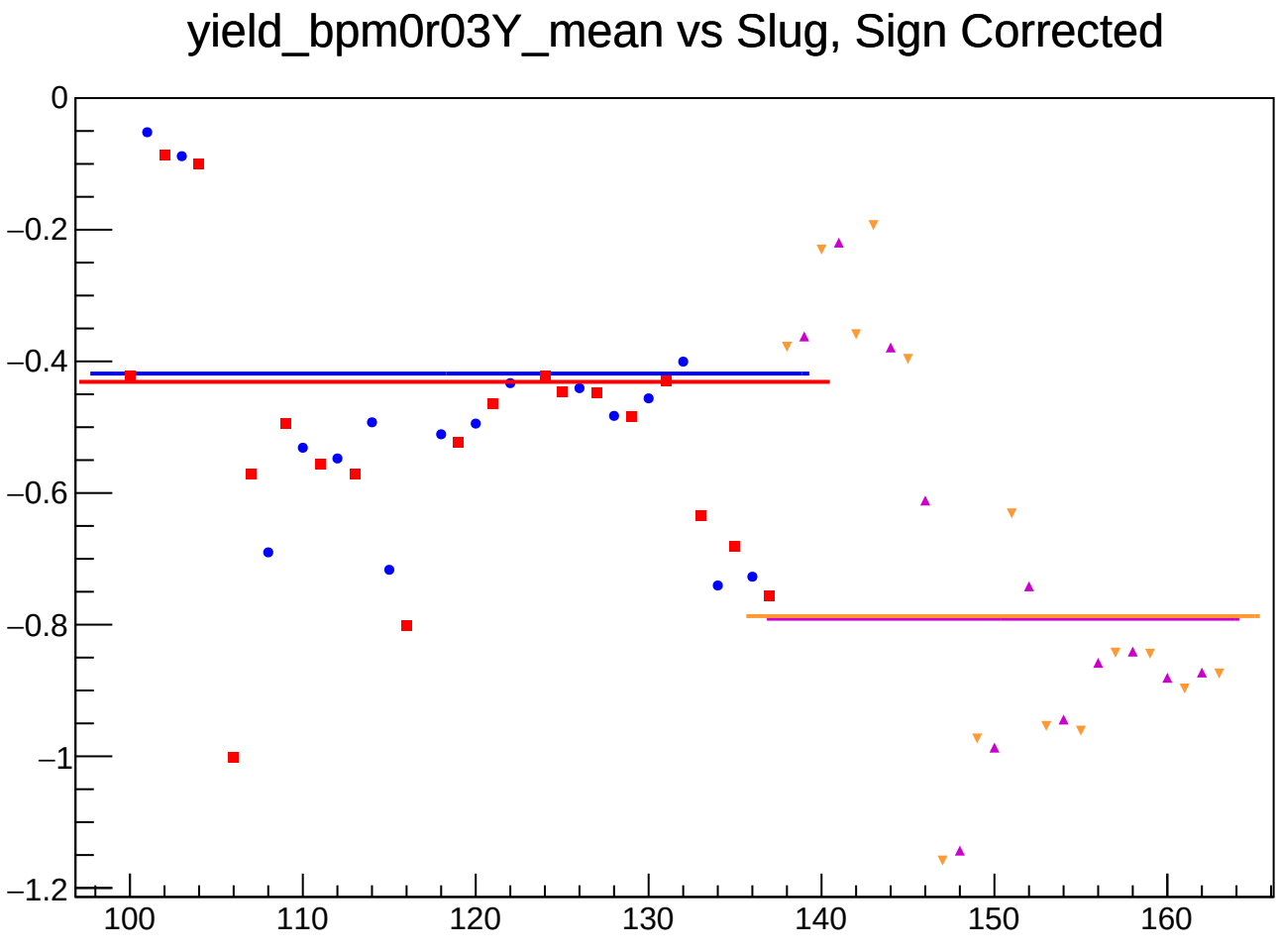
Left: 0.076+/-0.000 χ^2/NDF: 34373.6/25

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:141813.2/27

Out: 0.074+/-0.000 χ^2/NDF:129859.2/32

All: 0.074+/-0.000 χ^2/NDF: 272486.6/60



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.787+/-0.000 χ^2/NDF:13819446380.6/13

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.791+/-0.000 χ^2/NDF:10417738433.3/11

Left: -0.789+/-0.000 χ^2/NDF: 24238877631.6/25

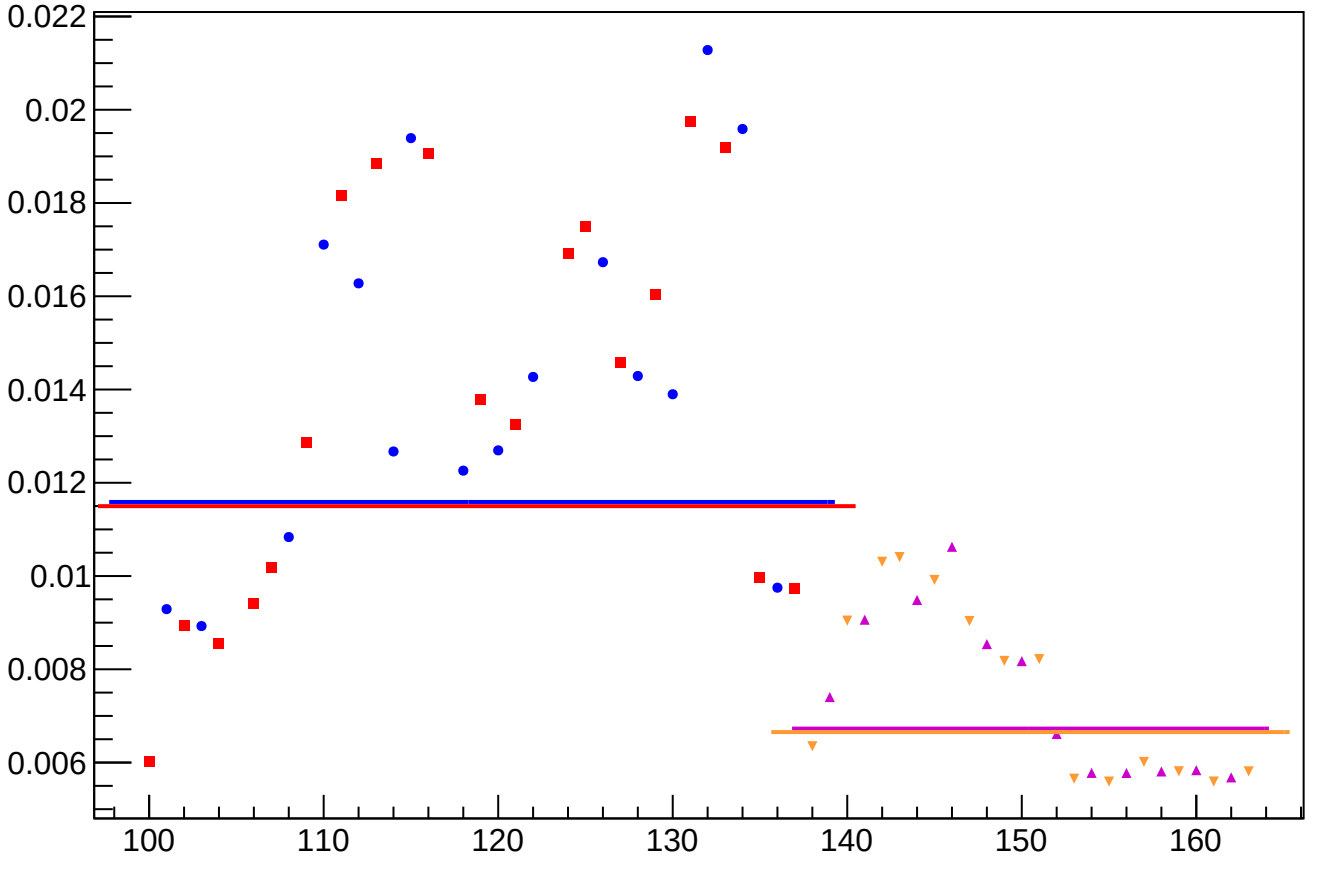
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.725+/-0.000 χ^2/NDF:18548643144.2/27

Out: -0.727+/-0.000 χ^2/NDF:21803165468.7/32

All: -0.726+/-0.000 χ^2/NDF: 40352660311.1/

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:1014862.3/13

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:801120.4/11

Left: 0.007+/-0.000 χ^2/NDF: 1817176.7/25

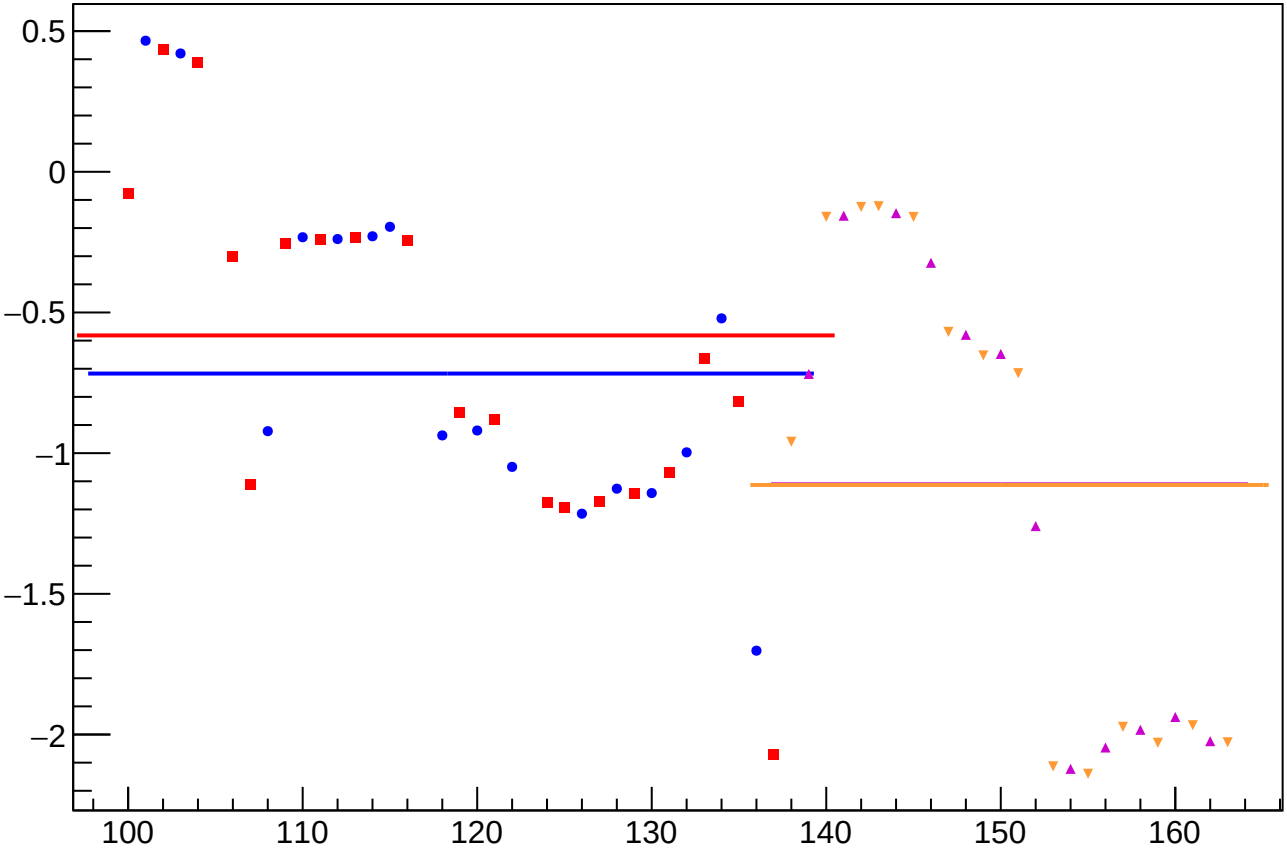
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.008+/-0.000 χ^2/NDF:3310525.4/27

Out: 0.007+/-0.000 χ^2/NDF:3953724.9/32

All: 0.008+/-0.000 χ^2/NDF: 7268386.2/60

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.113+/-0.000 χ^2/NDF:1011290351.9/13

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.111+/-0.000 χ^2/NDF:837053454.8/11

Left: -1.112+/-0.000 χ^2/NDF: 1848347519.5/25

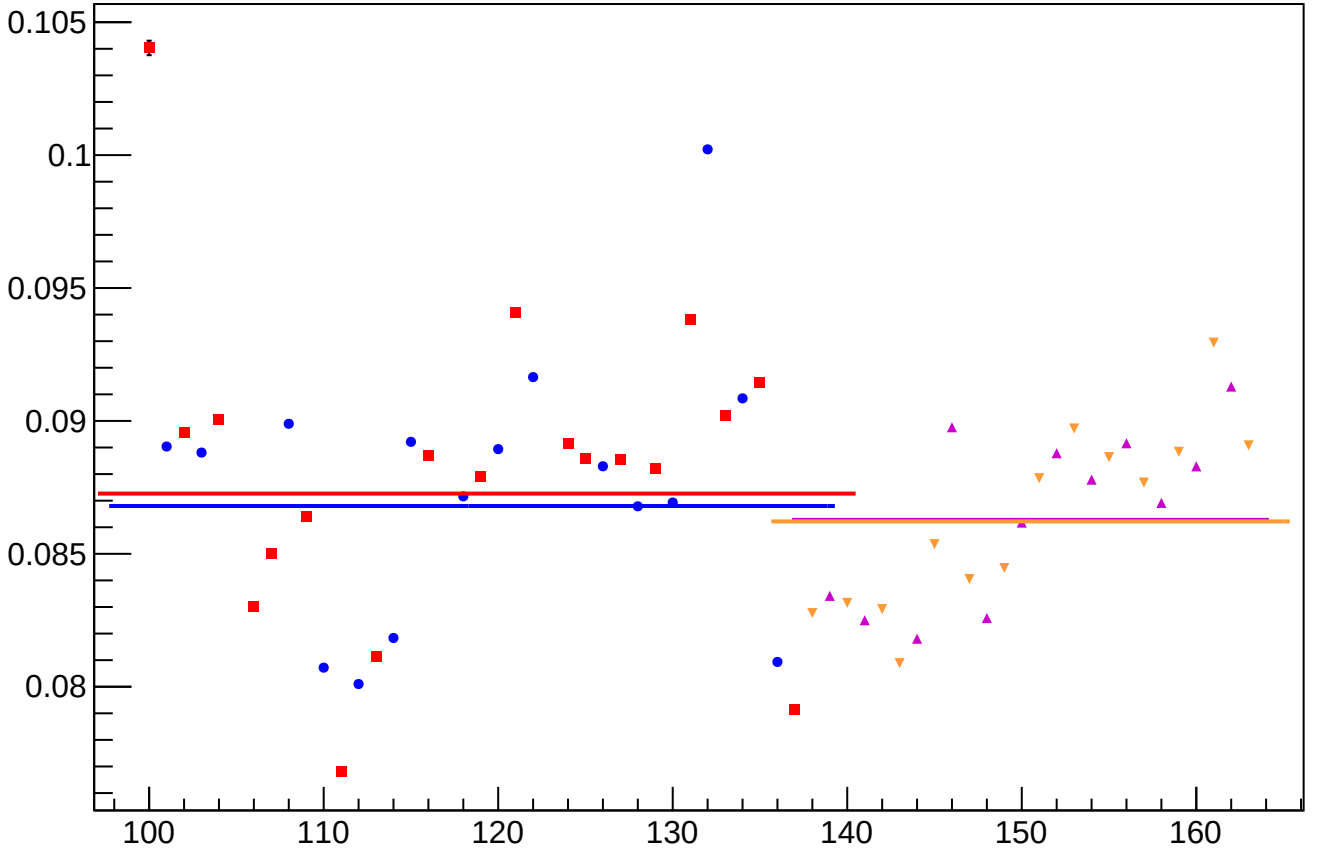
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.950+/-0.000 χ^2/NDF:1361732450.6/27

Out: -0.903+/-0.000 χ^2/NDF:1520388710.7/32

All: -0.926+/-0.000 χ^2/NDF: 2884753102.0/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:31815.6/13

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:26323.5/11

Left: 0.086+/-0.000 χ^2/NDF: 58144.0/25

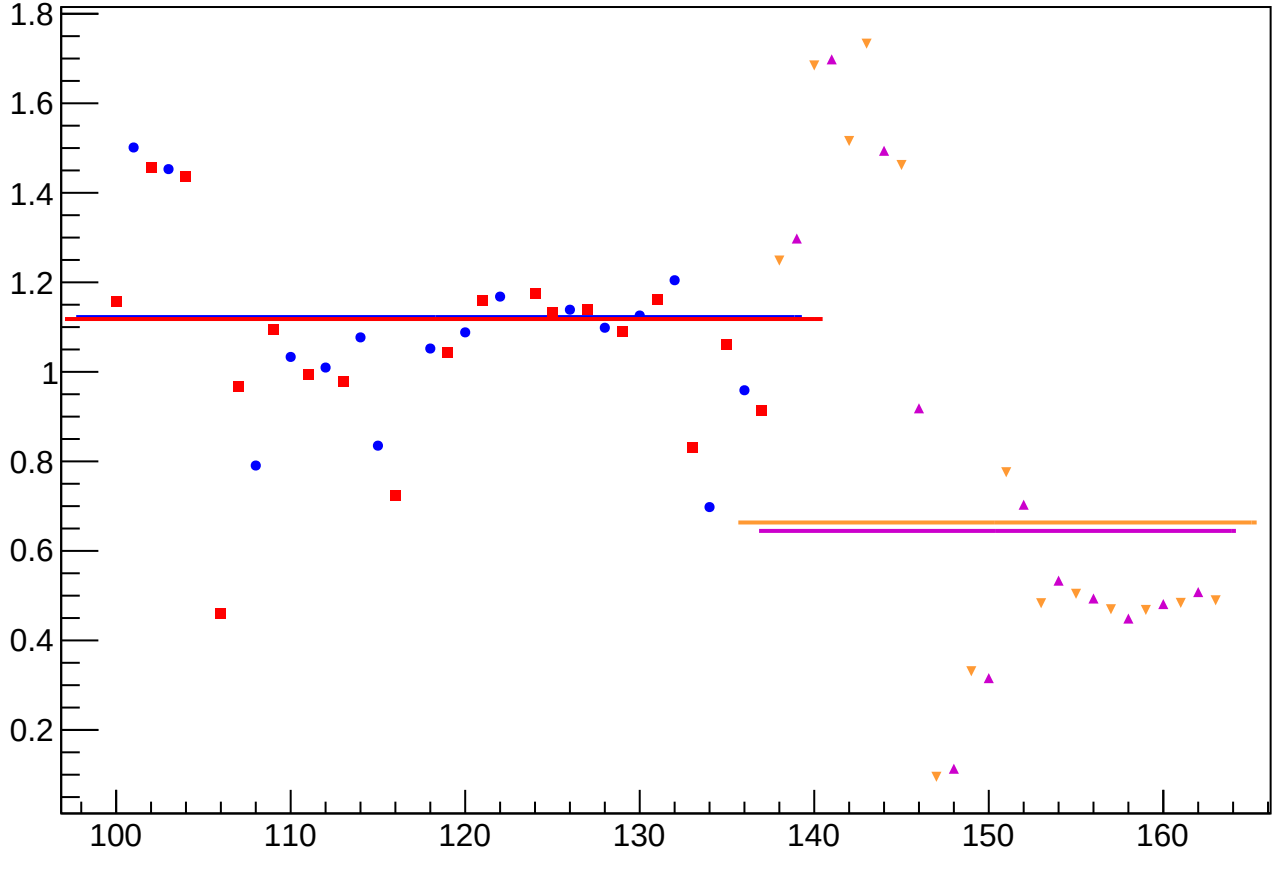
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:70204.6/27

Out: 0.087+/-0.000 χ^2/NDF:79275.2/32

All: 0.087+/-0.000 χ^2/NDF: 149528.4/60

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.663+/-0.000 χ^2/NDF:27792092492.3/13

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.645+/-0.000 χ^2/NDF:21676623904.3/11

Left: 0.654+/-0.000 χ^2/NDF: 49495863165.7/25

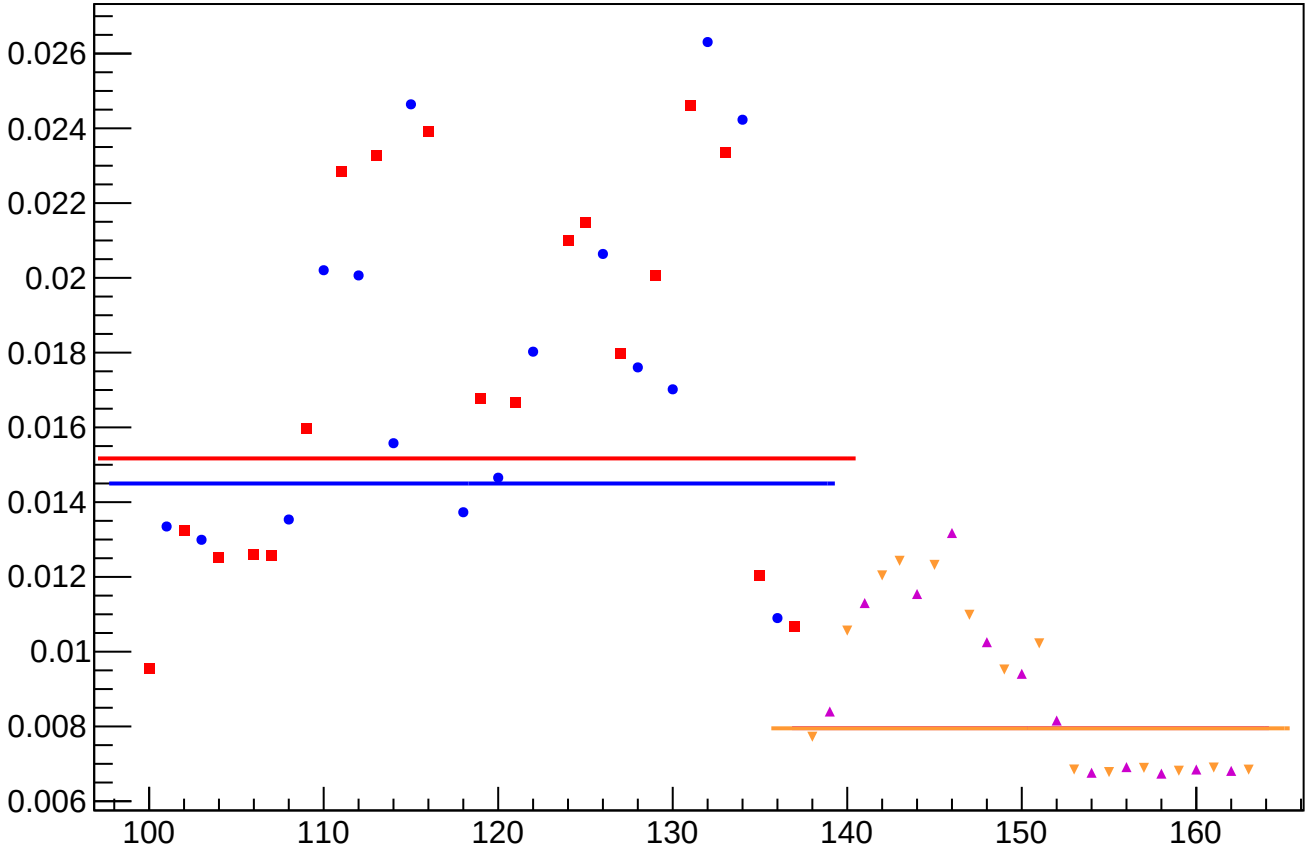
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.722+/-0.000 χ^2/NDF:28566238822.8/27

Out: 0.728+/-0.000 χ^2/NDF:34083025473.4/32

All: 0.725+/-0.000 χ^2/NDF: 62653291047.4/6

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:1044688.7/13

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:889704.7/11

Left: 0.008+/-0.000 χ^2/NDF: 1934398.5/25

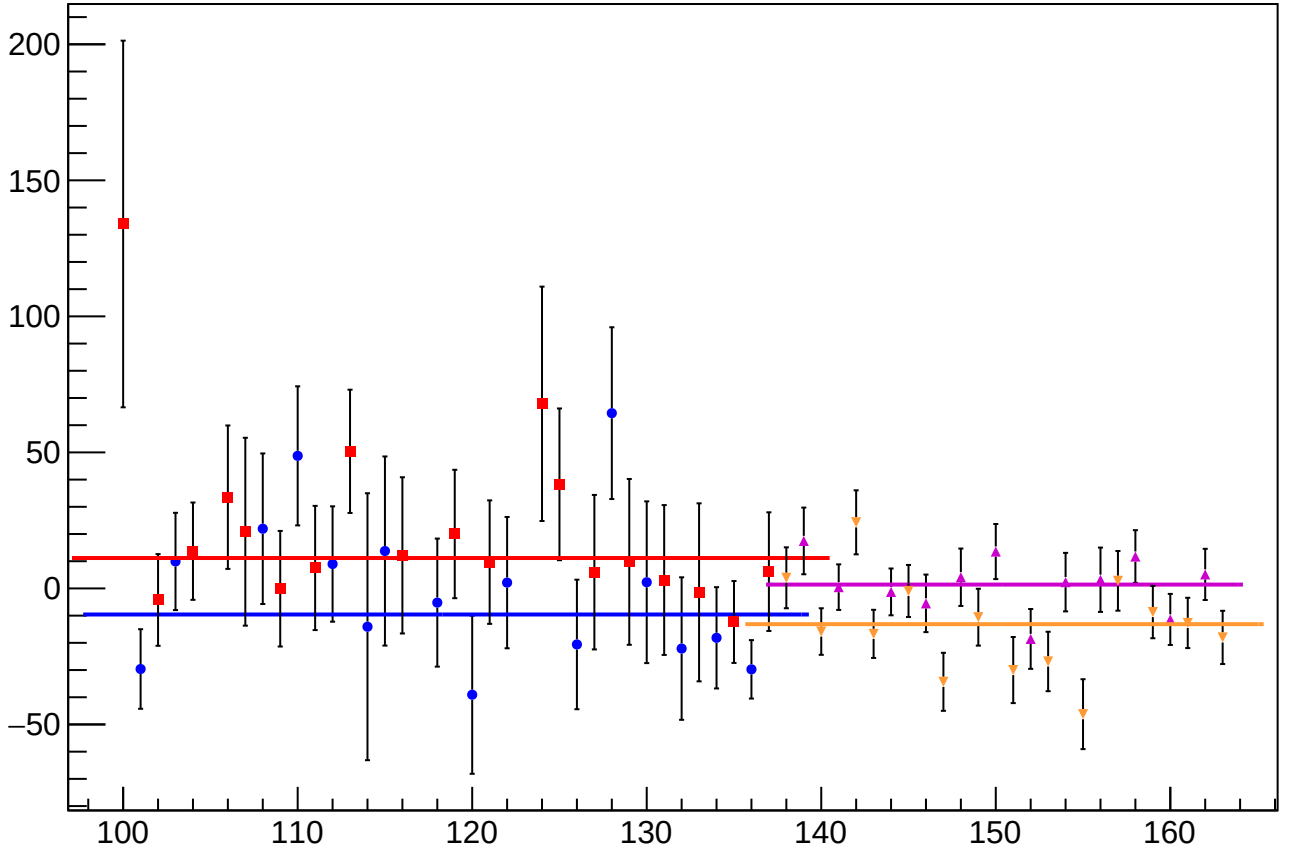
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3639454.9/27

Out: 0.009+/-0.000 χ^2/NDF:4291019.7/32

All: 0.009+/-0.000 χ^2/NDF: 7930638.3/60

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -13.143+/-2.742 χ^2/NDF:31.0/13

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.412+/-2.893 χ^2/NDF:10.2/11

Left: -6.254+/-1.990 χ^2/NDF: 54.6/25

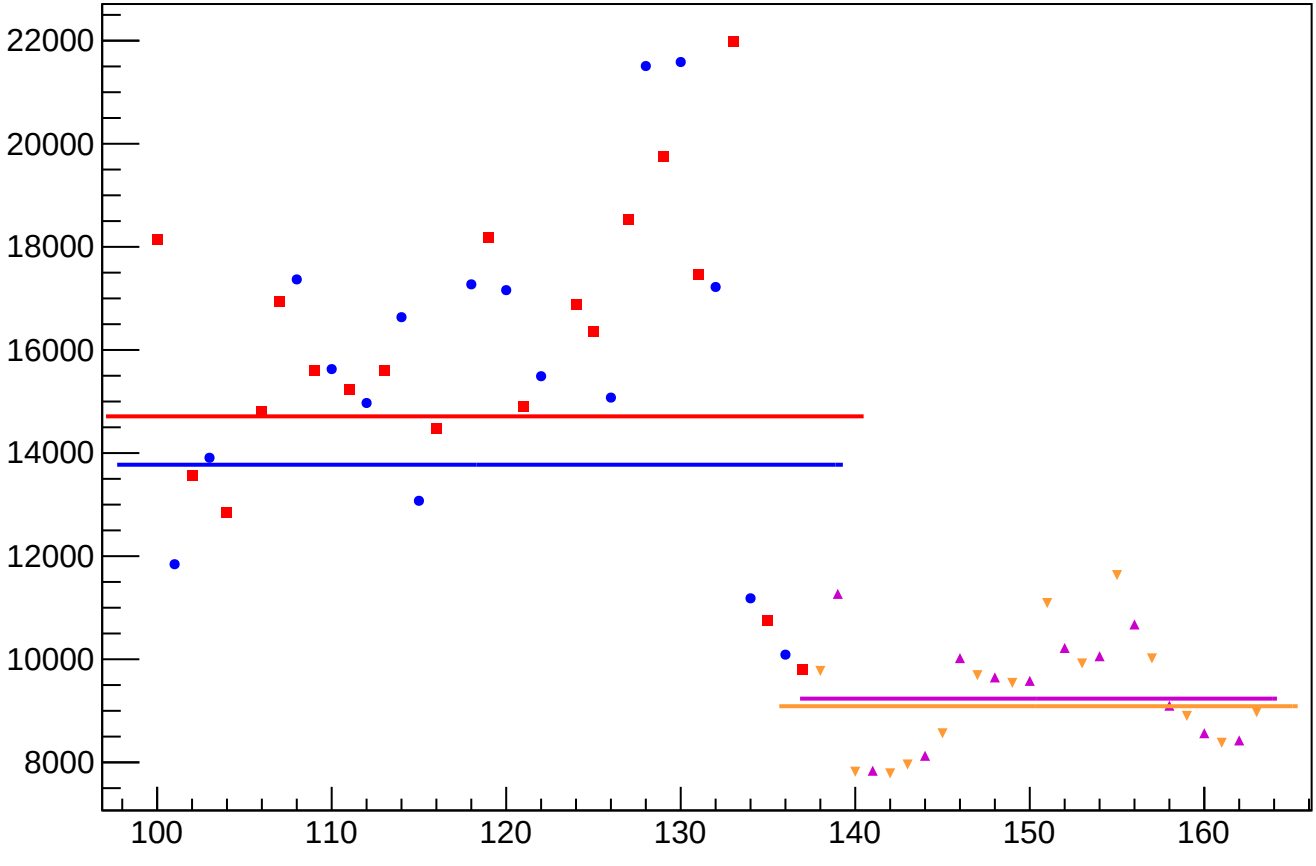
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.118+/-2.538 χ^2/NDF:35.5/27

Out: -8.297+/-2.454 χ^2/NDF:60.6/32

All: -4.828+/-1.764 χ^2/NDF: 100.2/60

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9089.275+/-1.939 χ^2/NDF:296220.8/13

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9236.731+/-2.046 χ^2/NDF:243238.0/11

Left: 9159.071+/-1.407 χ^2/NDF: 542195.5/25

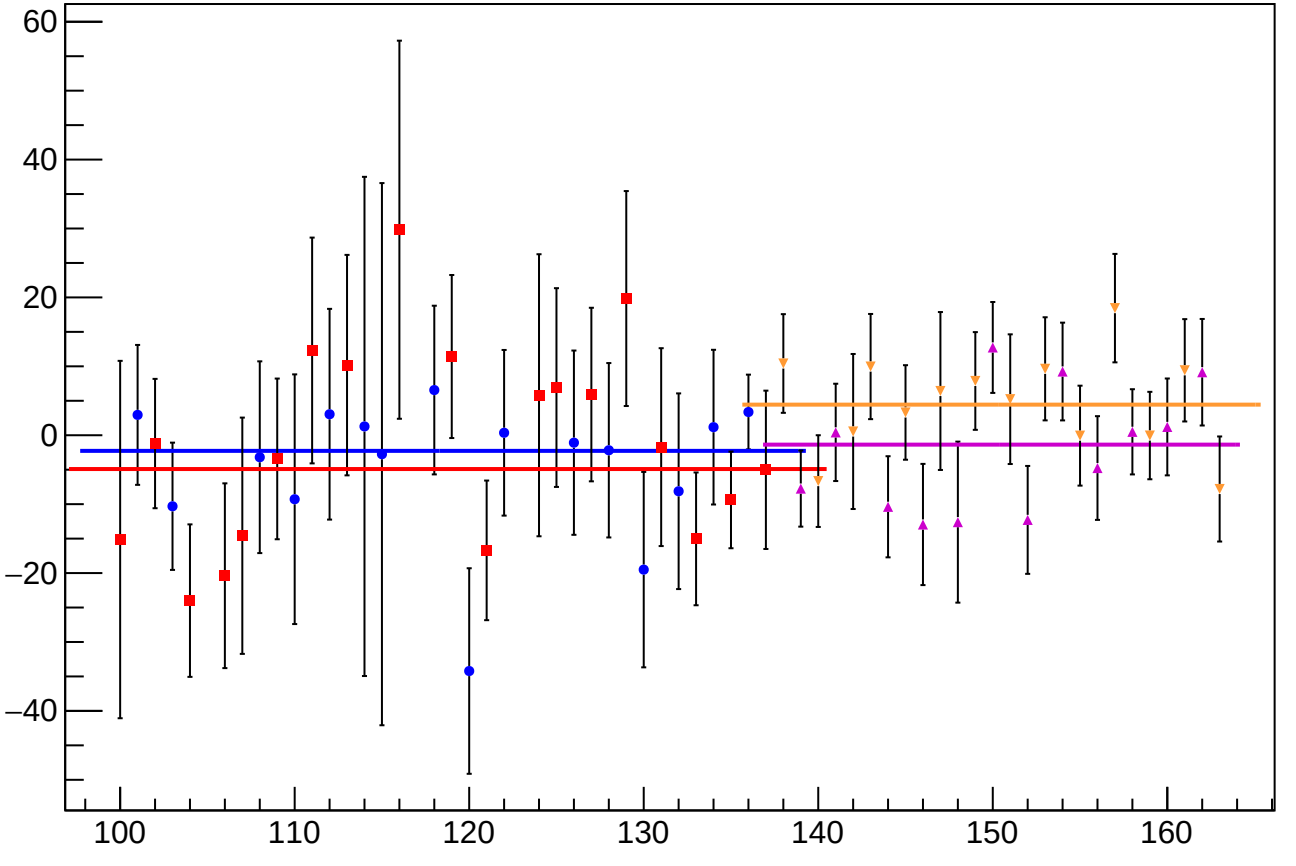
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10281.006+/-1.795 χ^2/NDF:2123155.5/27

Out: 10209.874+/-1.735 χ^2/NDF:2529054.1/32

All: 10244.241+/-1.248 χ^2/NDF: 4653021.4/6

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 4.441+/-2.039 χ^2/NDF:12.0/13

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -1.363+/-2.078 χ^2/NDF:16.6/11

Left: 1.593+/-1.455 χ^2/NDF: 32.6/25

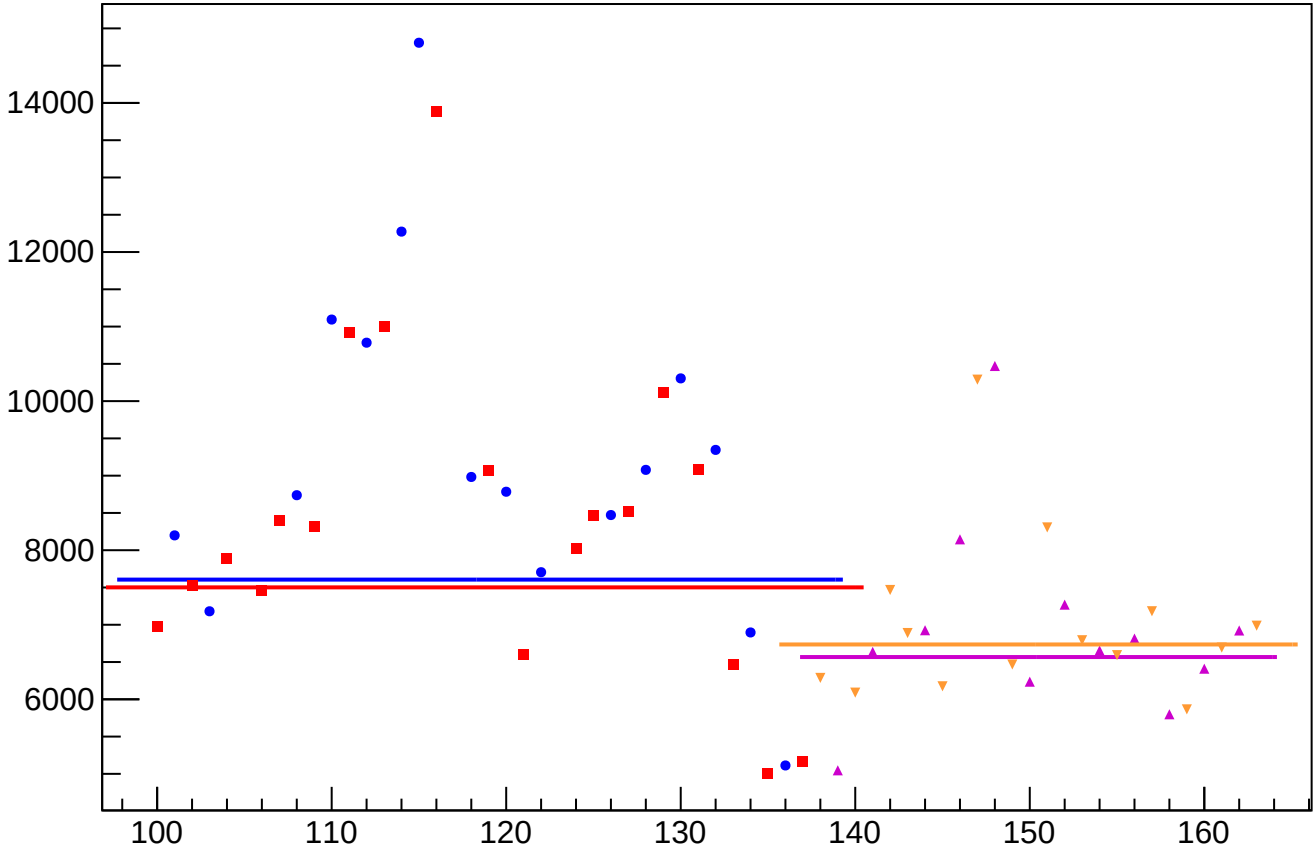
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -1.666+/-1.693 χ^2/NDF:26.0/27

Out: 1.256+/-1.656 χ^2/NDF:36.7/32

All: -0.173+/-1.184 χ^2/NDF: 64.2/60

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6735.678+/-1.442 χ^2/NDF:347406.8/13

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6566.906+/-1.469 χ^2/NDF:504069.9/11

Left: 6652.861+/-1.029 χ^2/NDF: 858198.7/25

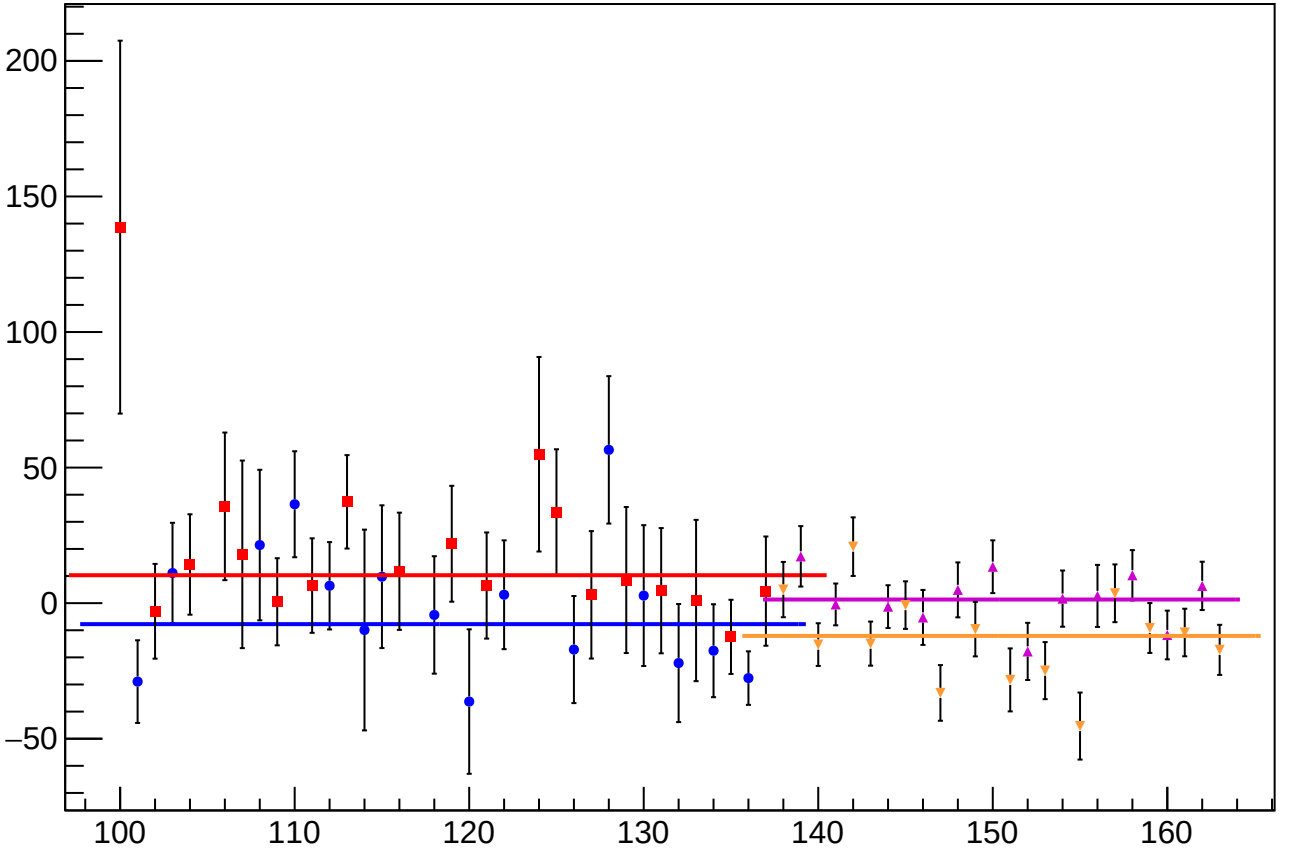
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6915.708+/-1.197 χ^2/NDF:1563456.5/27

Out: 6996.711+/-1.171 χ^2/NDF:1267105.0/32

All: 6957.117+/-0.837 χ^2/NDF: 2832901.5/60

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -12.081+/-2.581 χ^2/NDF:31.6/13

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.339+/-2.737 χ^2/NDF:11.0/11

Left: -5.764+/-1.878 χ^2/NDF: 55.3/25

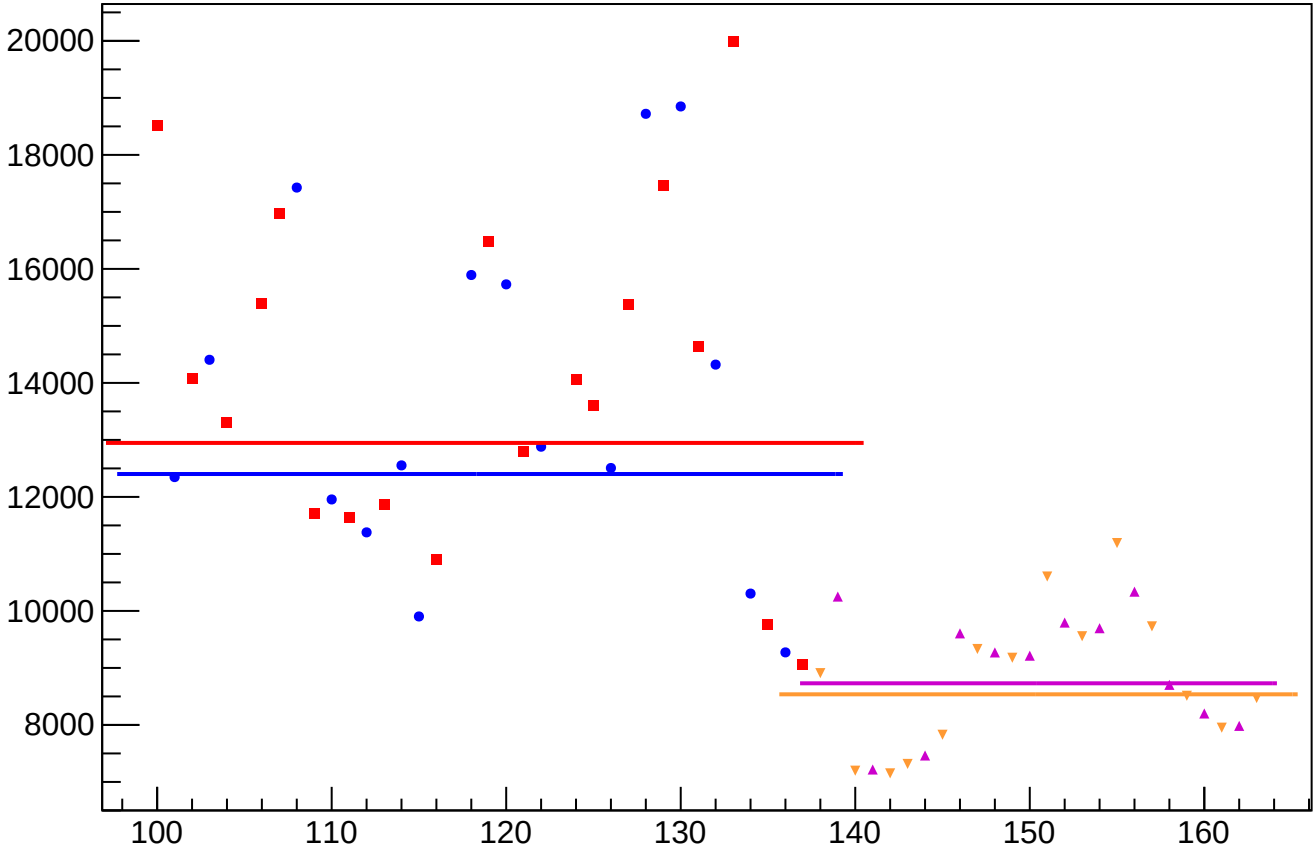
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.926+/-2.371 χ^2/NDF:36.4/27

Out: -7.123+/-2.278 χ^2/NDF:62.2/32

All: -4.150+/-1.643 χ^2/NDF: 102.1/60

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8537.165+/-1.825 χ^2/NDF:380029.1/13

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8730.398+/-1.935 χ^2/NDF:289543.5/11

Left: 8628.117+/-1.328 χ^2/NDF: 674848.4/25

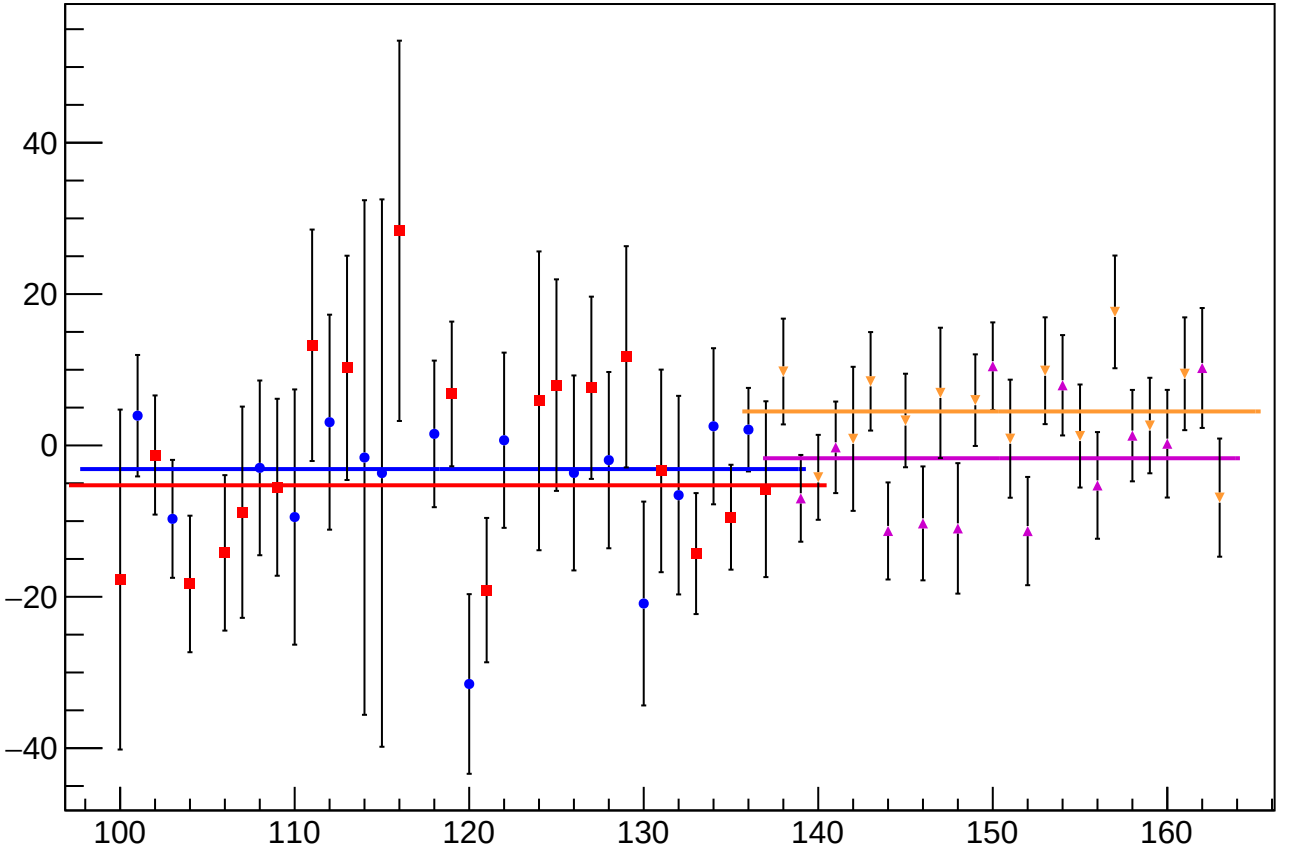
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9646.158+/-1.677 χ^2/NDF:1865334.9/27

Out: 9513.786+/-1.610 χ^2/NDF:2228146.6/32

All: 9577.300+/-1.162 χ^2/NDF: 4096723.3/60

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.492+/-1.859 χ^2/NDF:10.5/13

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -1.693+/-1.930 χ^2/NDF:16.8/11

Left: 1.516+/-1.339 χ^2/NDF: 32.6/25

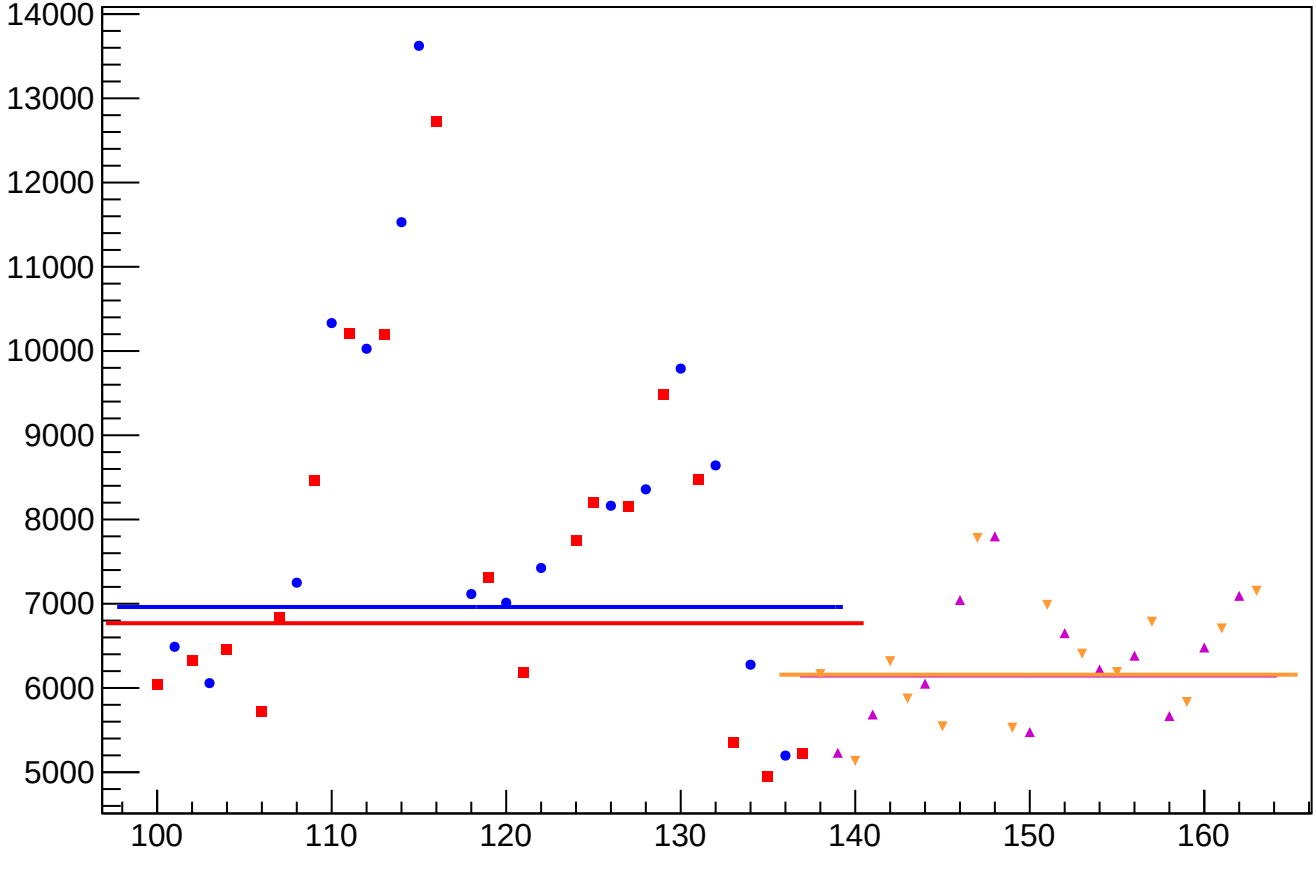
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -2.187+/-1.561 χ^2/NDF:27.9/27

Out: 1.112+/-1.503 χ^2/NDF:36.9/32

All: -0.474+/-1.083 χ^2/NDF: 67.1/60

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6157.932+/-1.314 χ^2/NDF:271187.4/13

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6147.630+/-1.364 χ^2/NDF:250000.5/11

Left: 6152.974+/-0.947 χ^2/NDF: 521217.5/25

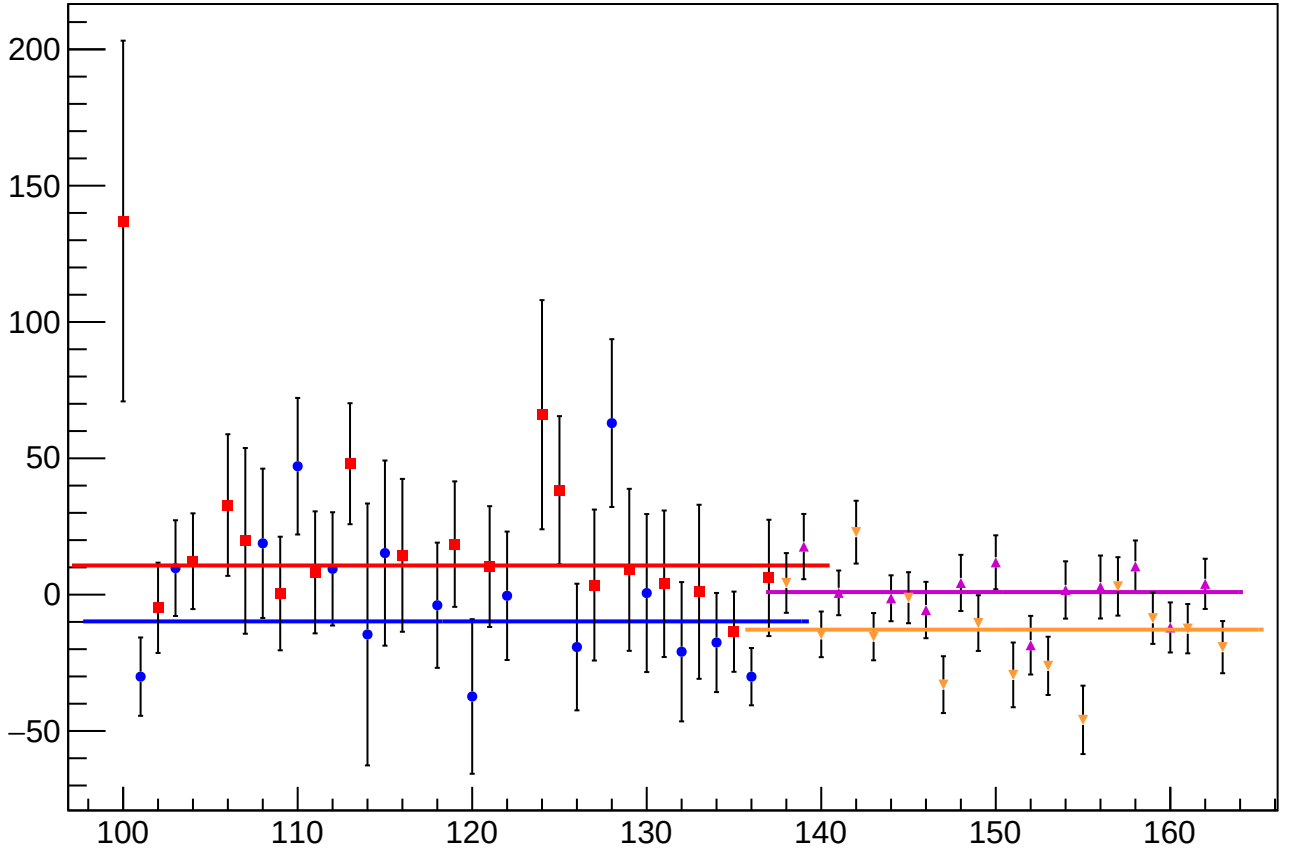
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6428.884+/-1.104 χ^2/NDF:1069379.6/27

Out: 6369.596+/-1.062 χ^2/NDF:1144178.5/32

All: 6398.109+/-0.765 χ^2/NDF: 2215055.6/60

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -12.838+/-2.682 χ^2/NDF:30.9/13

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.951+/-2.829 χ^2/NDF:10.2/11

Left: -6.310+/-1.946 χ^2/NDF: 53.5/25

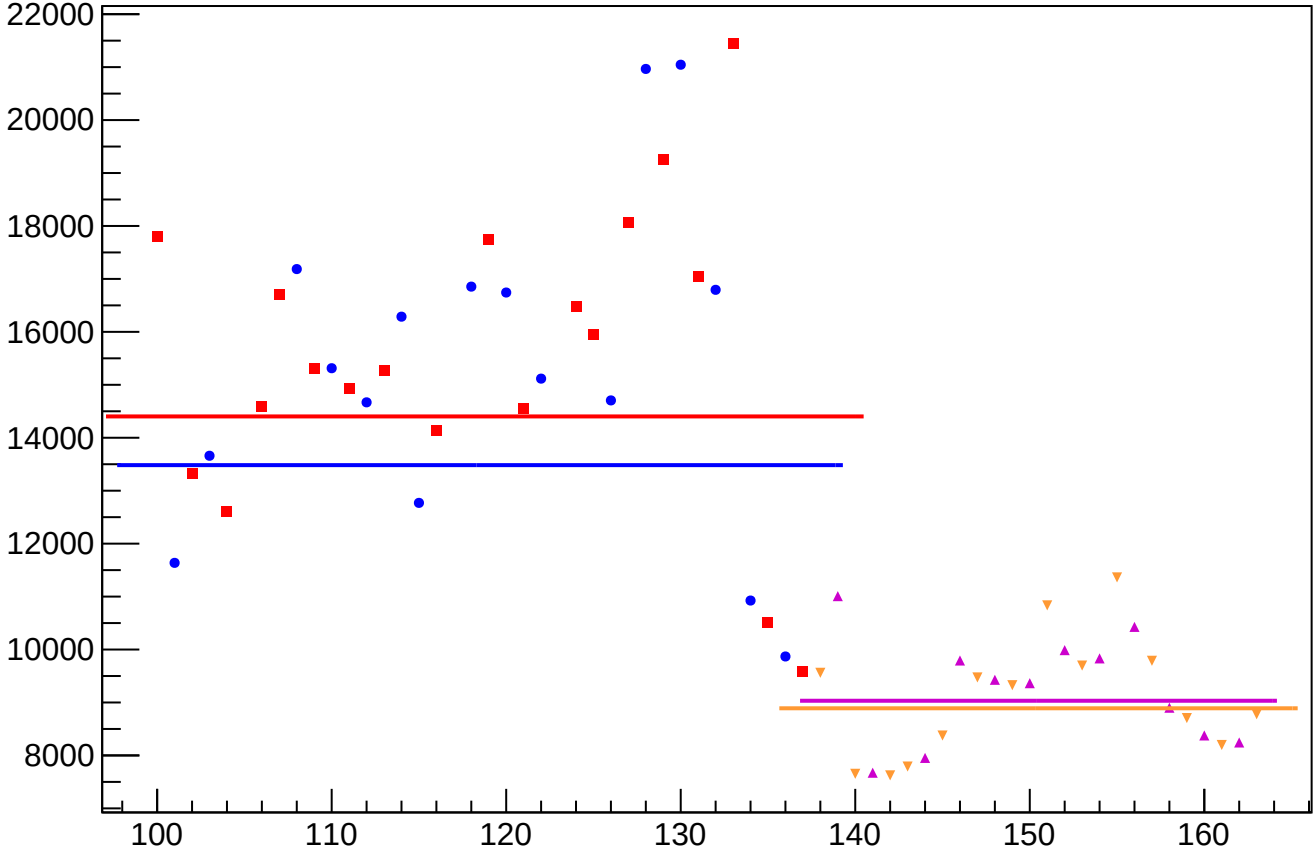
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.523+/-2.482 χ^2/NDF:35.5/27

Out: -8.153+/-2.400 χ^2/NDF:60.5/32

All: -4.949+/-1.726 χ^2/NDF: 99.7/60

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8890.319+/-1.897 χ^2/NDF:293027.9/13

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9032.736+/-2.000 χ^2/NDF:240283.0/11

Left: 8957.743+/-1.376 χ^2/NDF: 535980.5/25

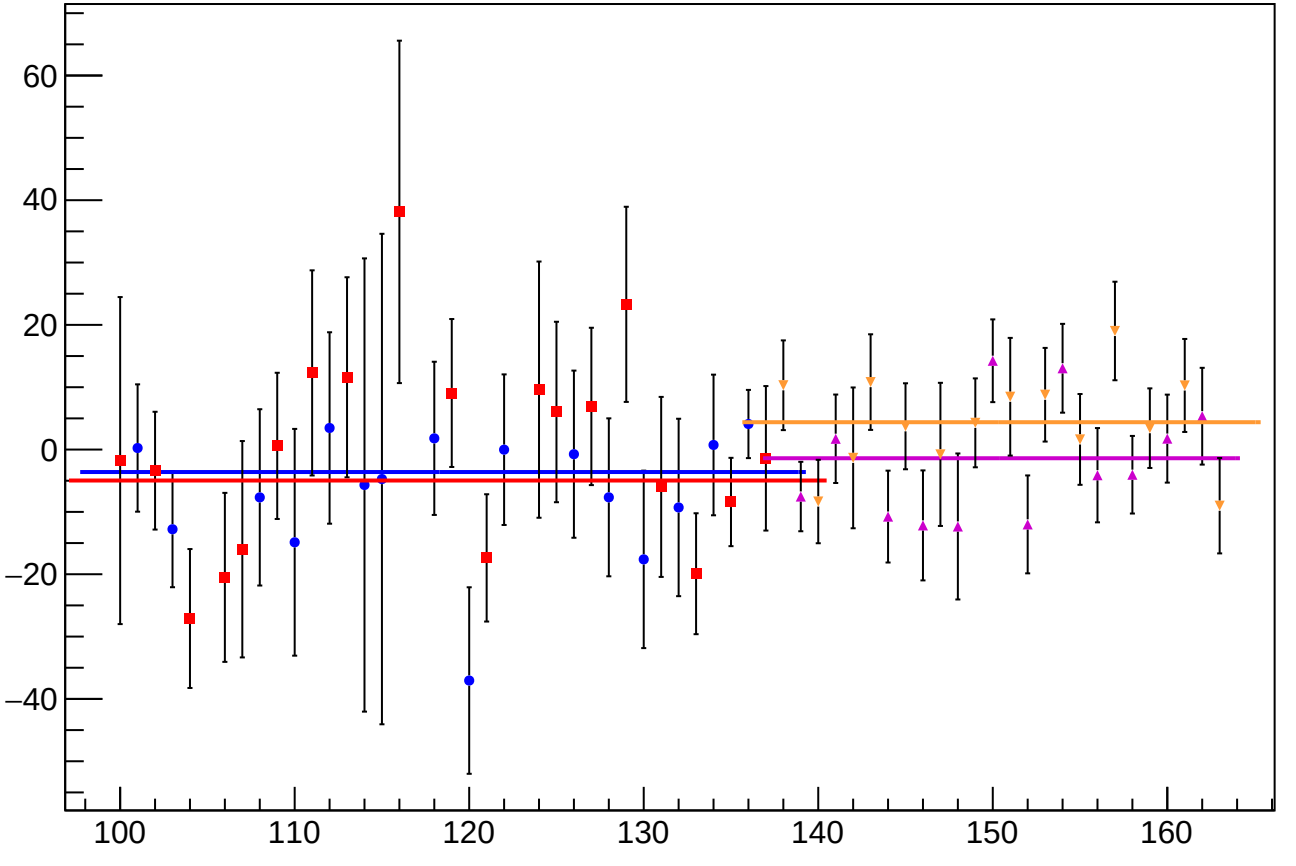
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10055.539+/-1.755 χ^2/NDF:2121685.7/27

Out: 9987.436+/-1.697 χ^2/NDF:2526821.8/32

All: 10020.344+/-1.220 χ^2/NDF: 4649285.4/6

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.387+/-2.049 χ^2/NDF:13.3/13

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -1.393+/-2.089 χ^2/NDF:18.1/11

Left: 1.552+/-1.463 χ^2/NDF: 35.3/25

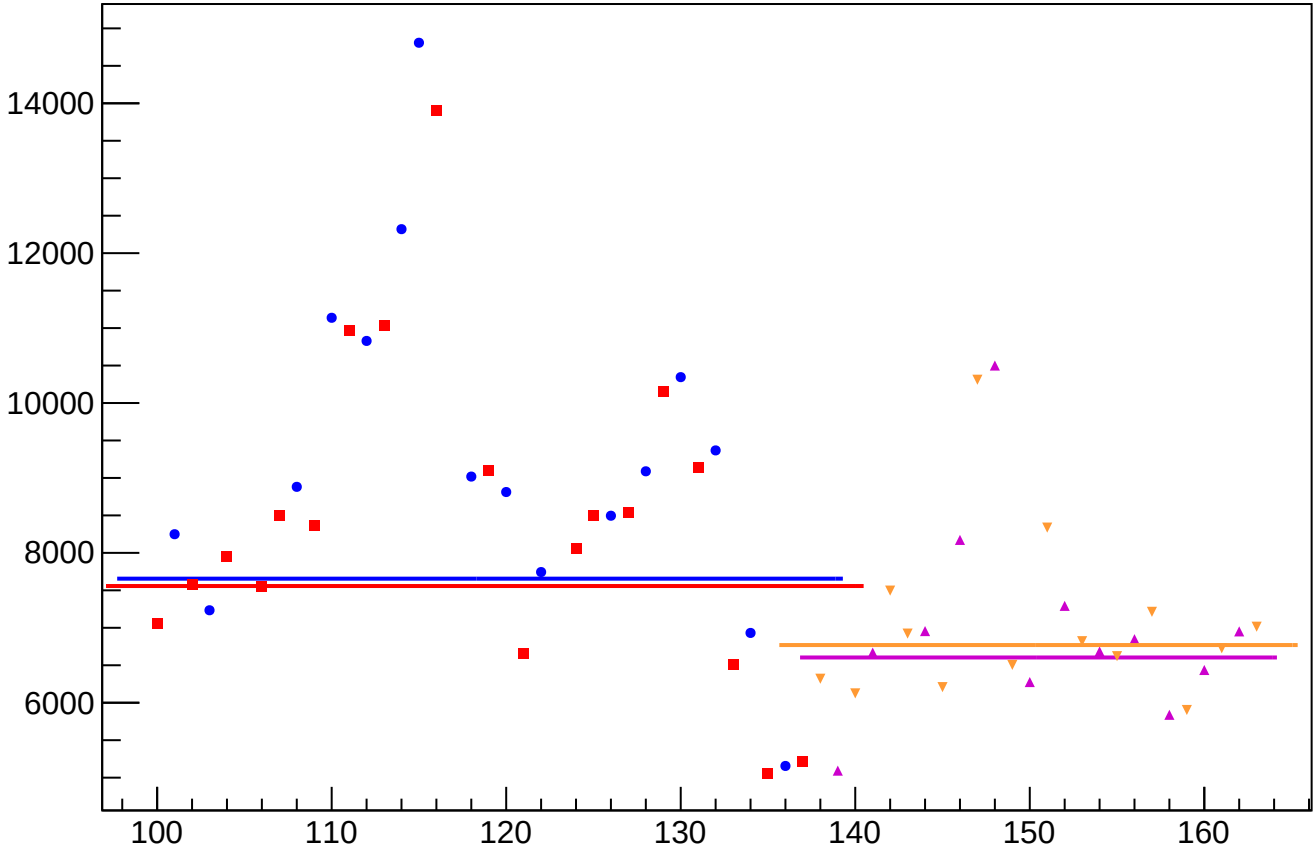
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -2.135+/-1.703 χ^2/NDF:29.0/27

Out: 1.208+/-1.665 χ^2/NDF:41.7/32

All: -0.426+/-1.190 χ^2/NDF: 72.7/60

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6769.755+/-1.449 χ^2/NDF:343039.8/13

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6603.826+/-1.477 χ^2/NDF:494400.8/11

Left: 6688.369+/-1.034 χ^2/NDF: 843872.5/25

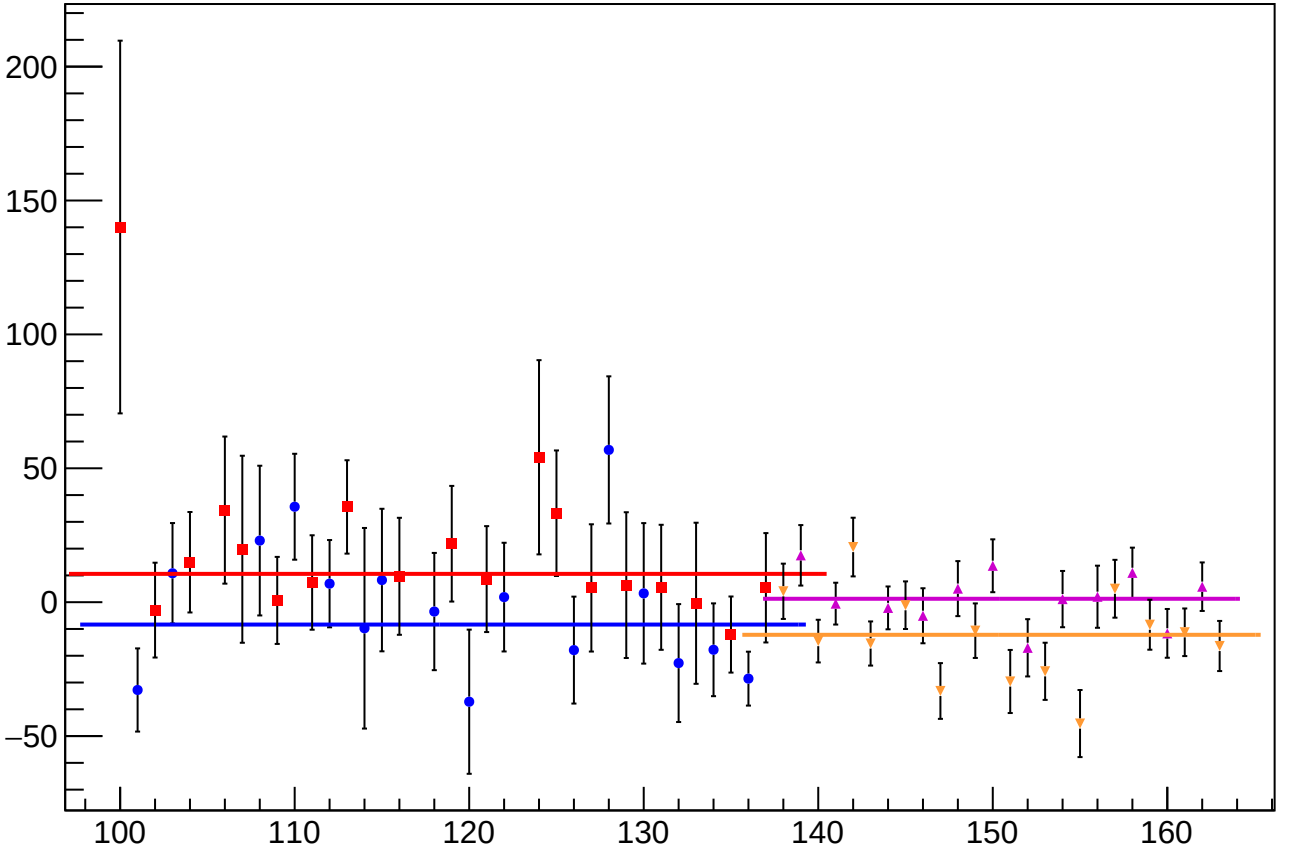
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6956.682+/-1.204 χ^2/NDF:1544370.7/27

Out: 7037.543+/-1.177 χ^2/NDF:1253370.2/32

All: 6998.020+/-0.842 χ^2/NDF: 2800047.0/60

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -12.179+/-2.616 χ^2/NDF:31.0/13

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.274+/-2.775 χ^2/NDF:10.6/11

Left: -5.850+/-1.903 χ^2/NDF: 54.1/25

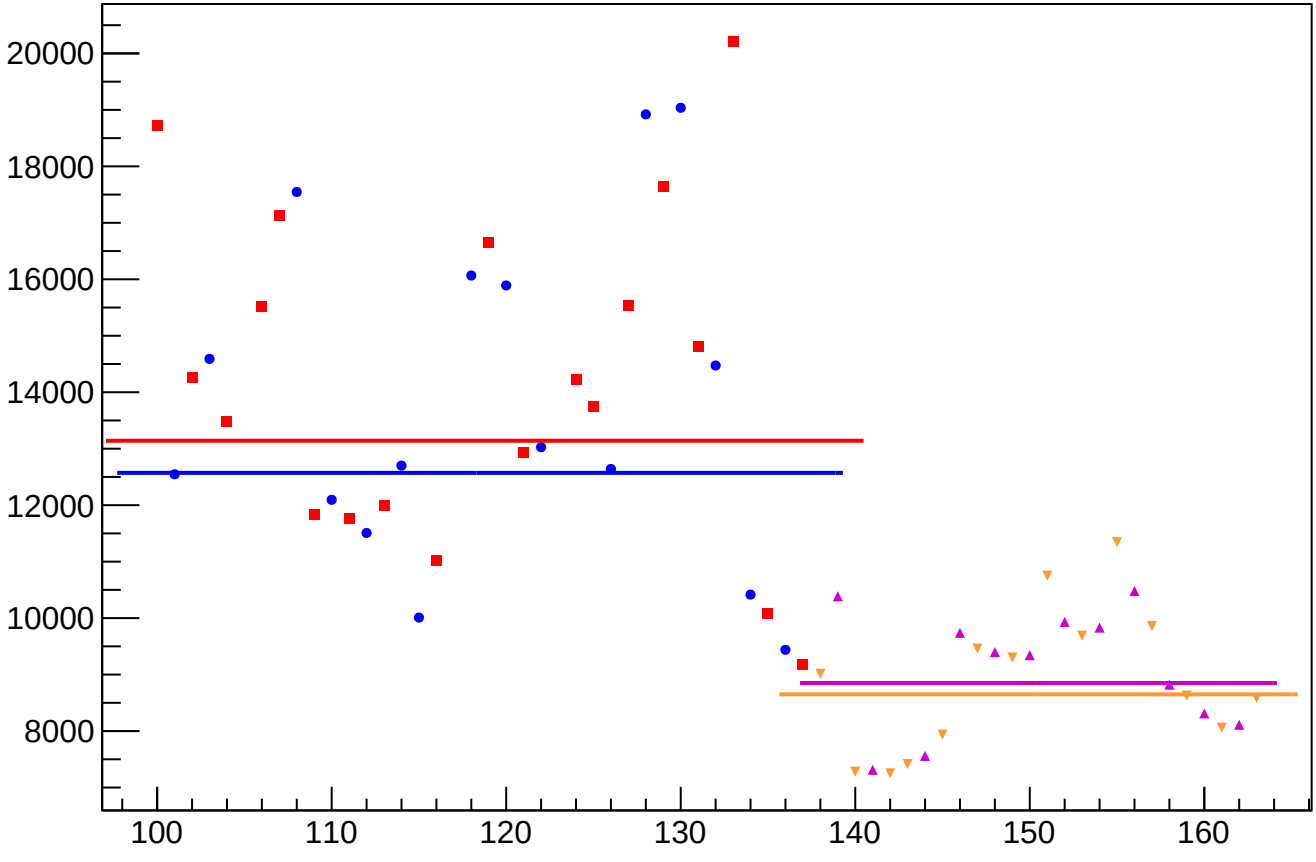
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -1.127+/-2.404 χ^2/NDF:36.9/27

Out: -7.151+/-2.309 χ^2/NDF:60.6/32

All: -4.261+/-1.665 χ^2/NDF: 100.8/60

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8650.526+/-1.849 χ^2/NDF:381527.6/13

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8850.837+/-1.962 χ^2/NDF:289830.2/11

Left: 8744.758+/-1.346 χ^2/NDF: 676876.2/25

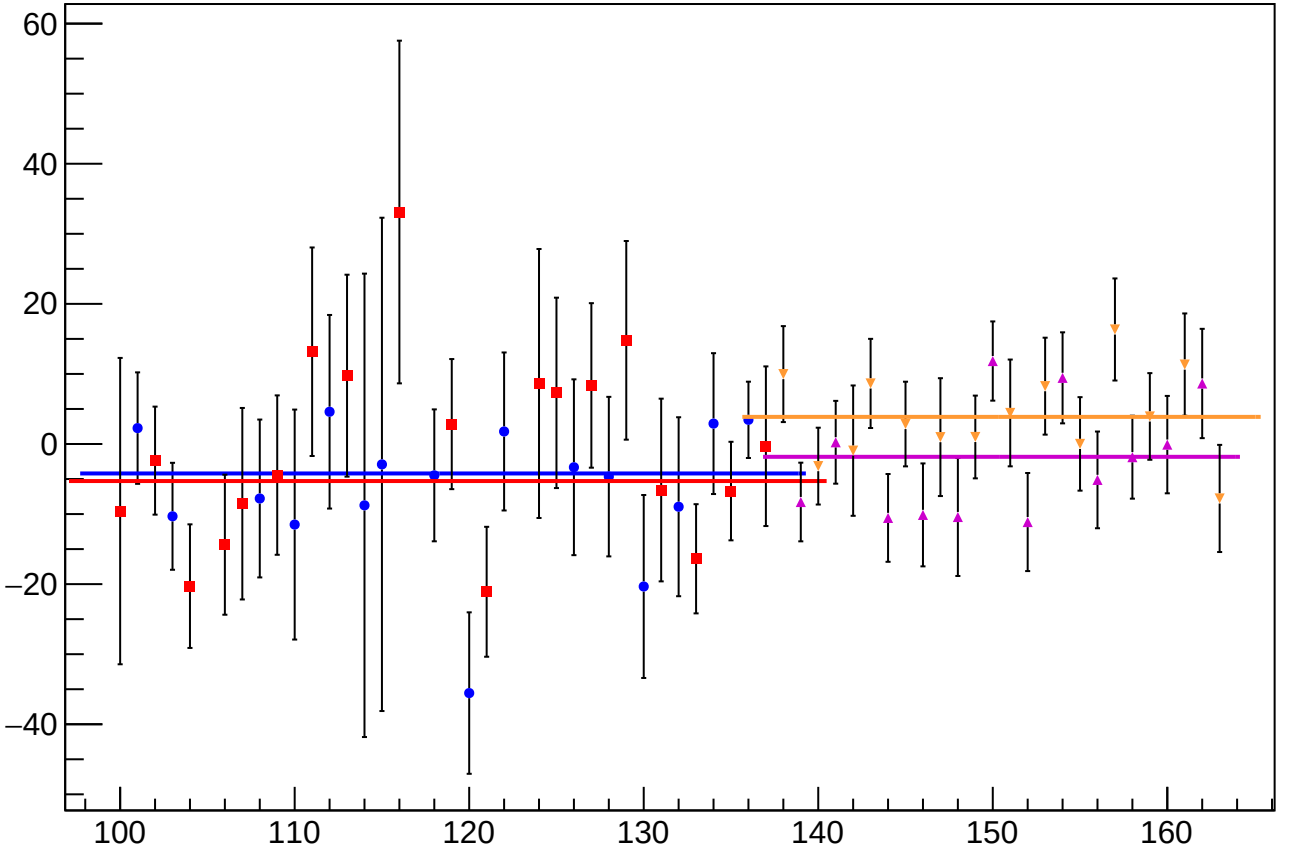
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9779.204+/-1.700 χ^2/NDF:1852164.0/27

Out: 9642.877+/-1.632 χ^2/NDF:2219077.1/32

All: 9708.275+/-1.177 χ^2/NDF: 4074586.9/60

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.871+/-1.818 χ^2/NDF:10.7/13

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -1.830+/-1.888 χ^2/NDF:18.4/11

Left: 1.128+/-1.310 χ^2/NDF: 33.8/25

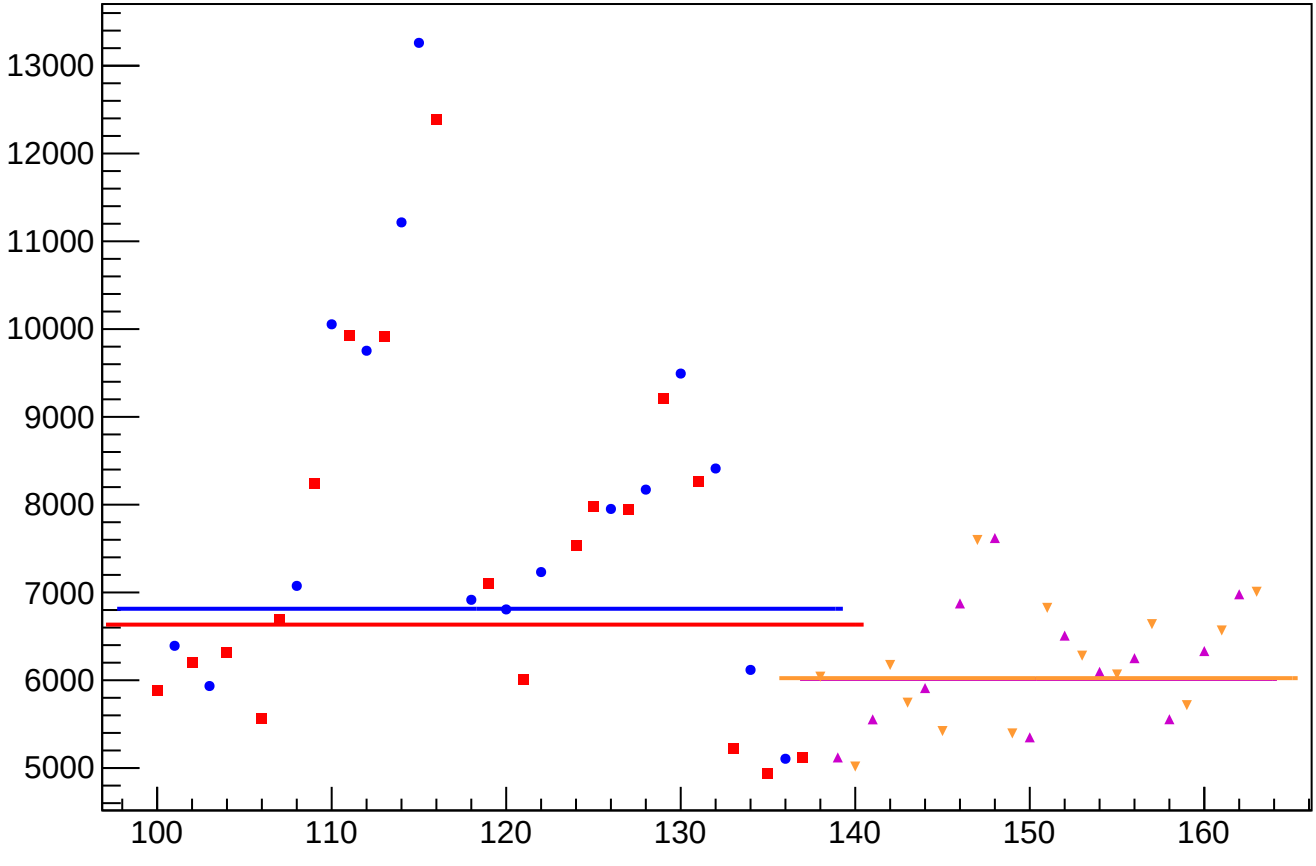
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -2.649+/-1.528 χ^2/NDF:32.8/27

Out: 0.706+/-1.471 χ^2/NDF:39.2/32

All: -0.908+/-1.060 χ^2/NDF: 74.5/60

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6023.859+/-1.286 χ^2/NDF:272794.2/13

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6014.599+/-1.335 χ^2/NDF:250532.9/11

Left: 6019.403+/-0.926 χ^2/NDF: 523352.0/25

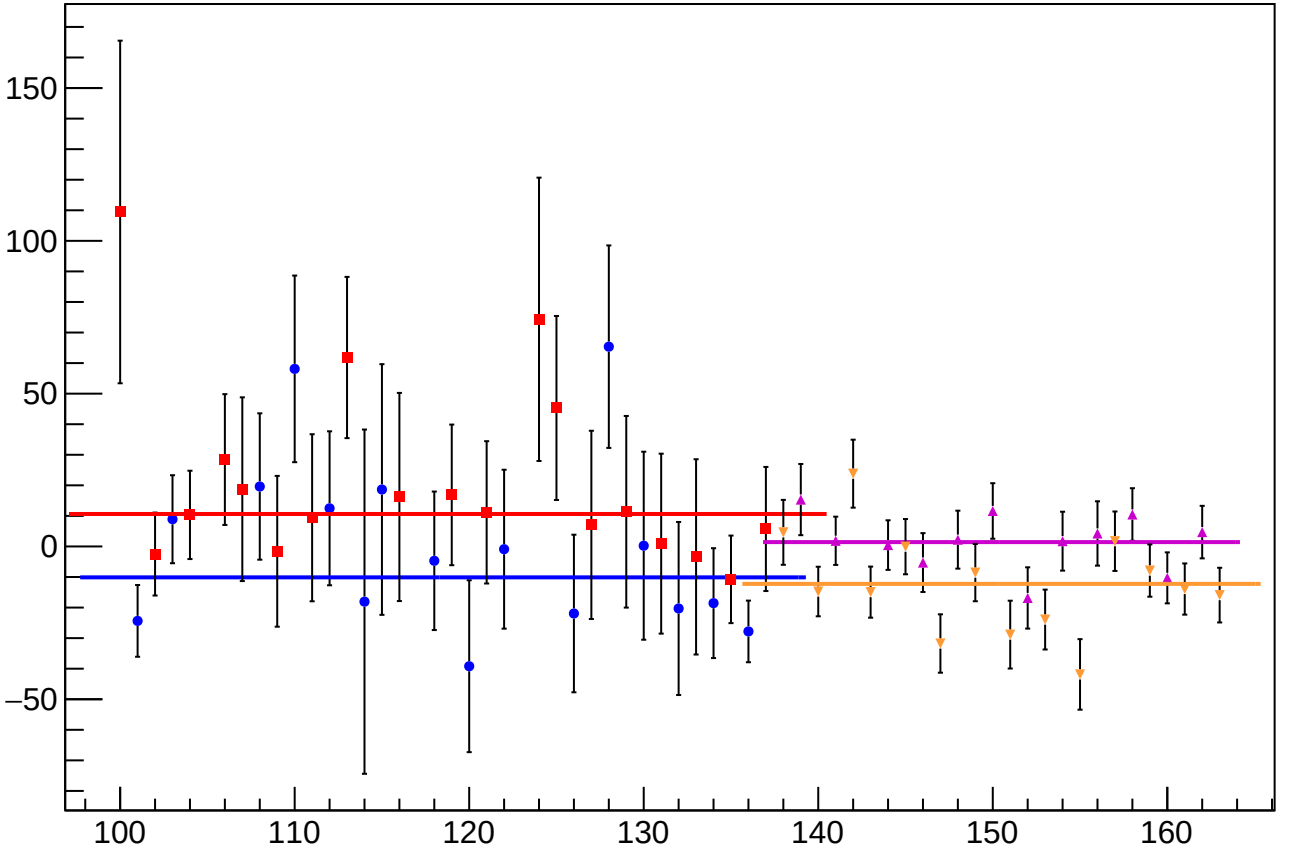
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6290.645+/-1.080 χ^2/NDF:1048481.5/27

Out: 6234.605+/-1.040 χ^2/NDF:1113898.1/32

All: 6261.561+/-0.749 χ^2/NDF: 2163776.1/60

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -12.246+/-2.515 χ^2/NDF:32.1/13

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.424+/-2.637 χ^2/NDF:9.8/11

Left: -5.735+/-1.820 χ^2/NDF: 56.0/25

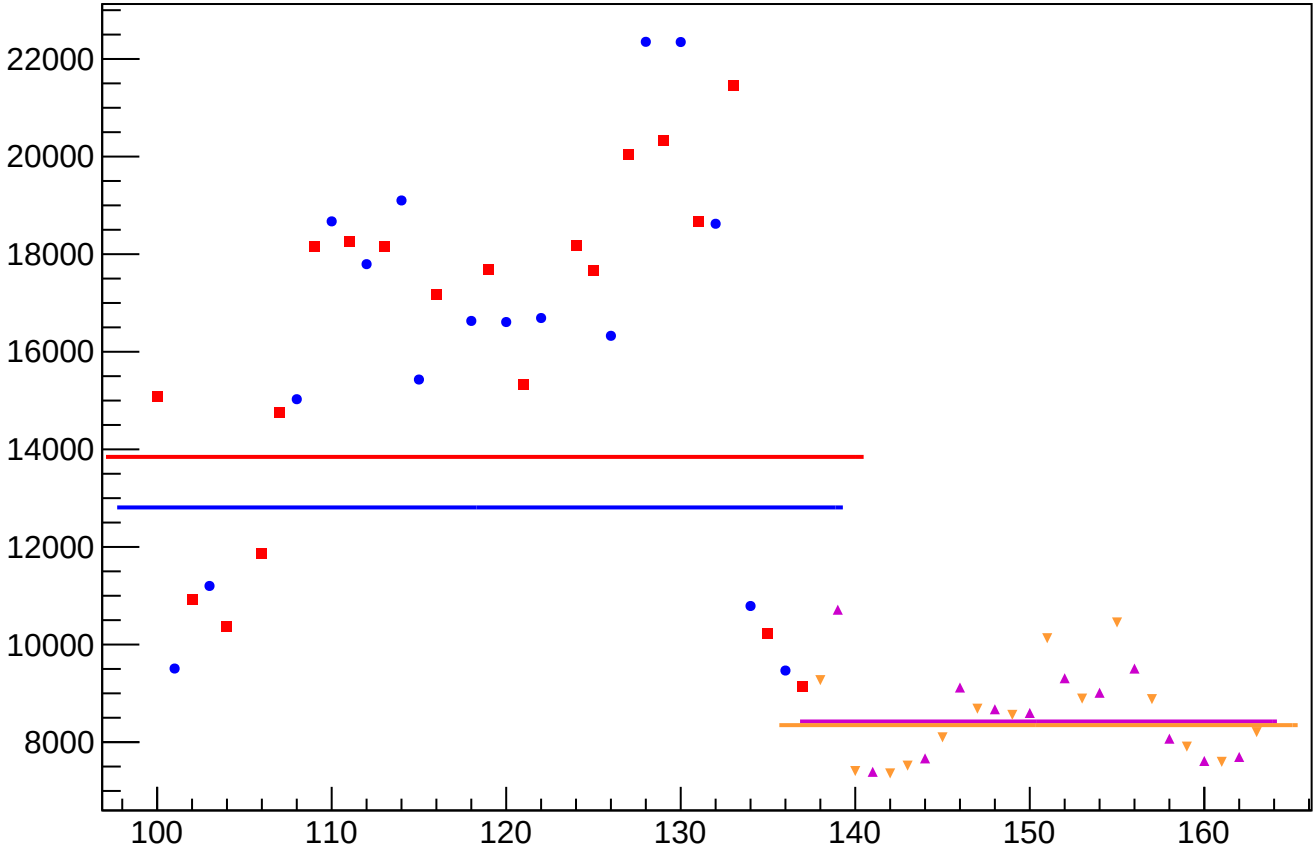
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -1.073+/-2.334 χ^2/NDF:35.2/27

Out: -8.012+/-2.270 χ^2/NDF:62.2/32

All: -4.639+/-1.628 χ^2/NDF: 101.9/60

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8348.534+/-1.778 χ^2/NDF:234645.9/13

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8423.502+/-1.865 χ^2/NDF:222174.5/11

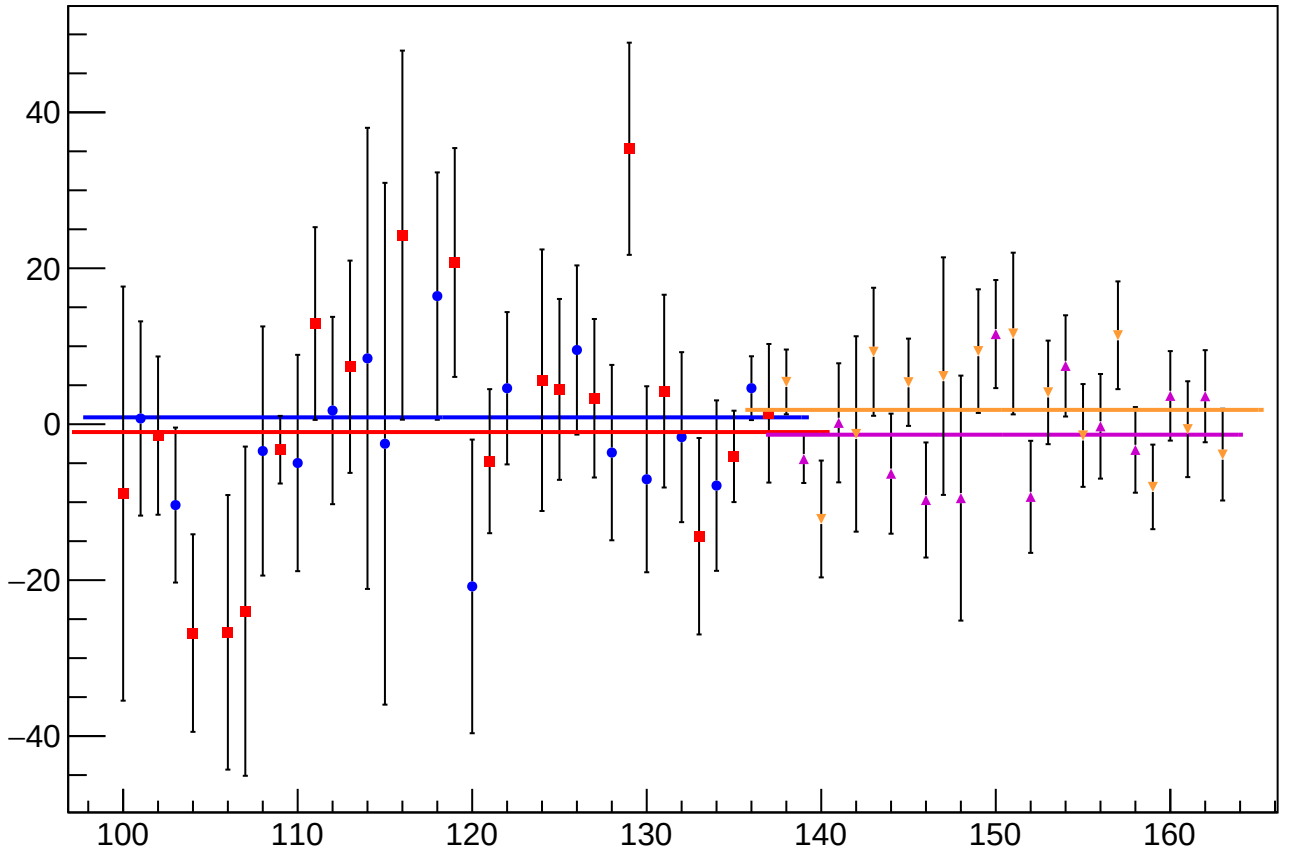
Left: 8384.244+/-1.287 χ^2/NDF: 457666.7/25

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9373.050+/-1.651 χ^2/NDF:2668229.7/27

Out: 9366.236+/-1.605 χ^2/NDF:3099926.3/32

All: 9369.548+/-1.151 χ^2/NDF: 5768164.8/60



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.841+/-1.784 χ^2/NDF:14.1/13

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -1.345+/-1.713 χ^2/NDF:11.2/11

Left: 0.184+/-1.236 χ^2/NDF: 27.0/25

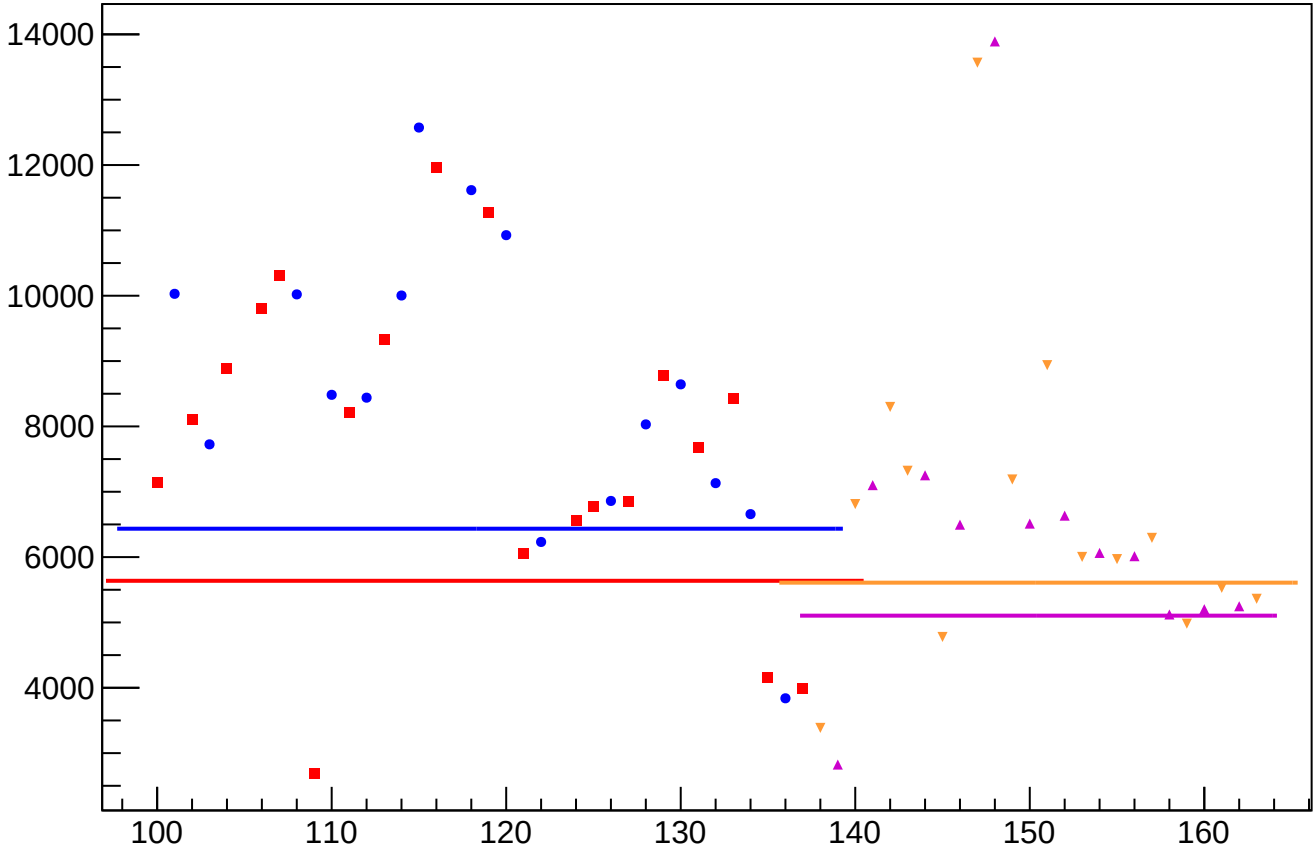
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.658+/-1.425 χ^2/NDF:18.5/27

Out: 0.780+/-1.413 χ^2/NDF:37.4/32

All: 0.067+/-1.003 χ^2/NDF: 56.4/60

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5608.866+/-1.261 χ^2/NDF:1741468.8/13

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5103.913+/-1.212 χ^2/NDF:2345215.1/11

Left: 5346.249+/-0.874 χ^2/NDF: 4170054.0/25

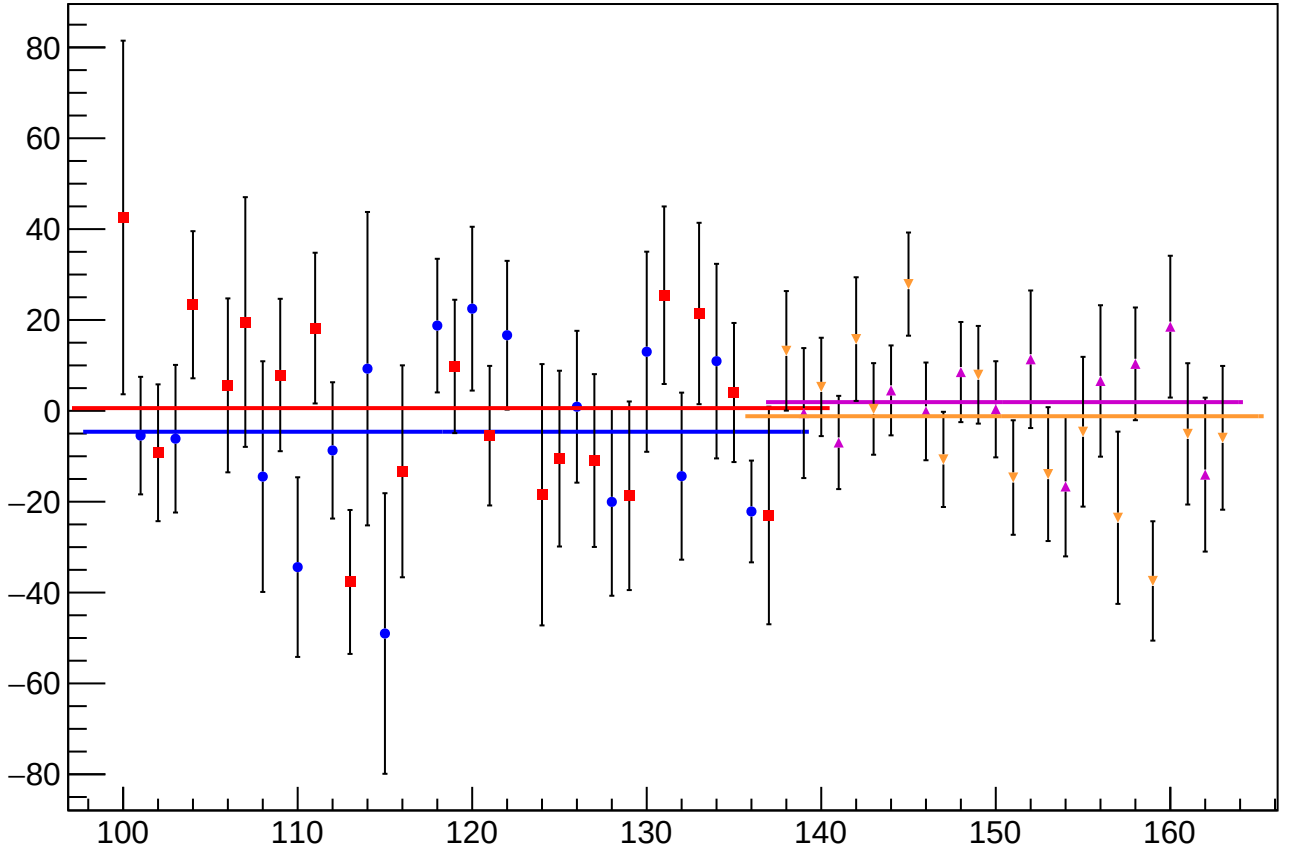
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5514.214+/-1.008 χ^2/NDF:4467792.5/27

Out: 5619.480+/-0.999 χ^2/NDF:4321672.4/32

All: 5567.302+/-0.709 χ^2/NDF: 8794969.8/60

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -1.185+/-3.403 χ^2/NDF:22.3/13

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.919+/-3.611 χ^2/NDF:5.7/11

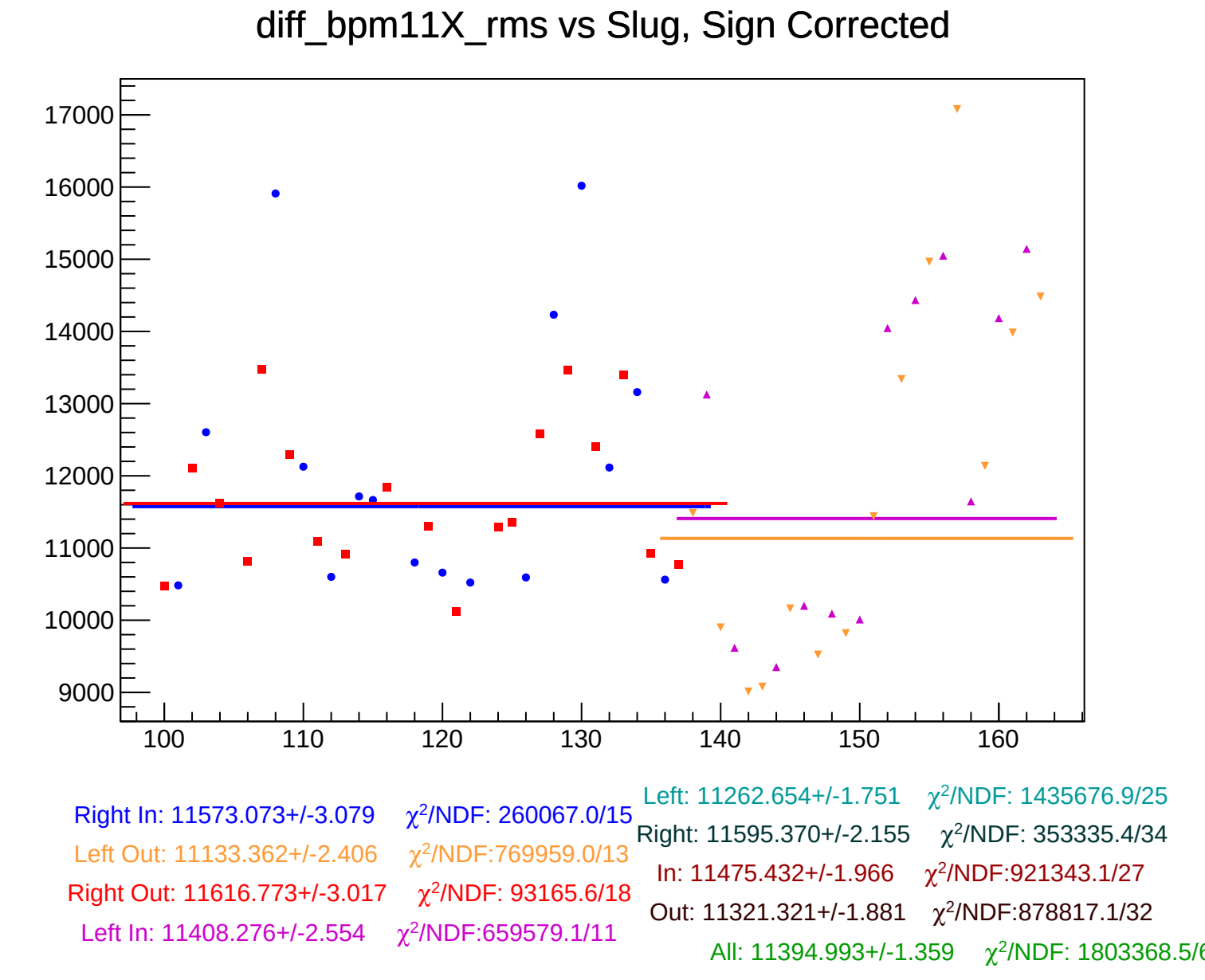
Left: 0.274+/-2.477 χ^2/NDF: 28.4/25

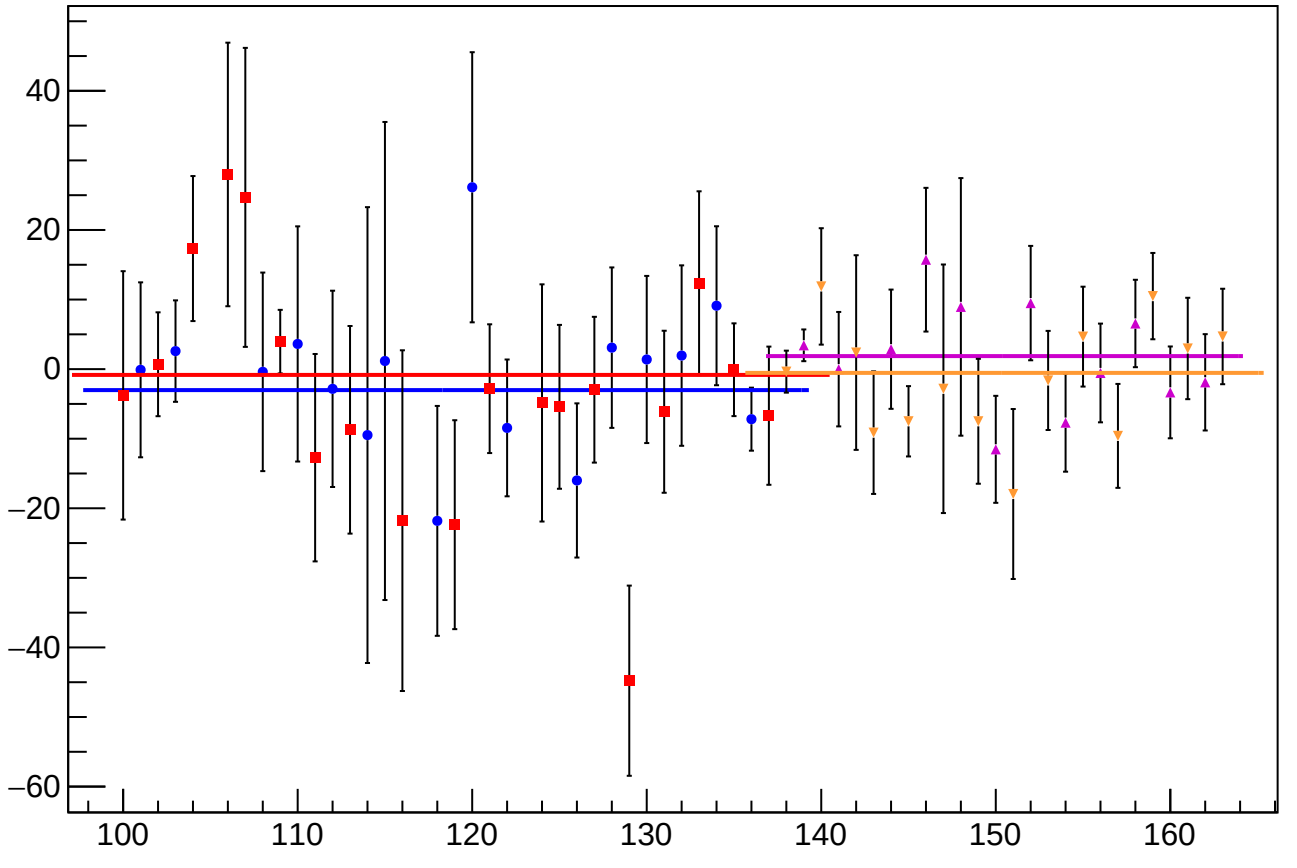
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.738+/-2.780 χ^2/NDF:22.8/27

Out: -0.491+/-2.660 χ^2/NDF:40.3/32

All: -0.609+/-1.922 χ^2/NDF: 63.1/60


diff_bpm11X_rms vs Slug, Sign Corrected
17000
16000
15000
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11133.362+/-2.406 χ²/NDF:769959.0/13
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11408.276+/-2.554 χ²/NDF:659579.1/11
Left: 11262.654+/-1.751 χ²/NDF: 1435676.9/25
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11475.432+/-1.966 χ²/NDF:921343.1/27
Out: 11321.321+/-1.881 χ²/NDF:878817.1/32
All: 11394.993+/-1.359 χ²/NDF: 1803368.5/6



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.539+/-1.750 χ^2/NDF:13.7/13

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 1.874+/-1.635 χ^2/NDF:9.8/11

Left: 0.749+/-1.195 χ^2/NDF: 24.6/25

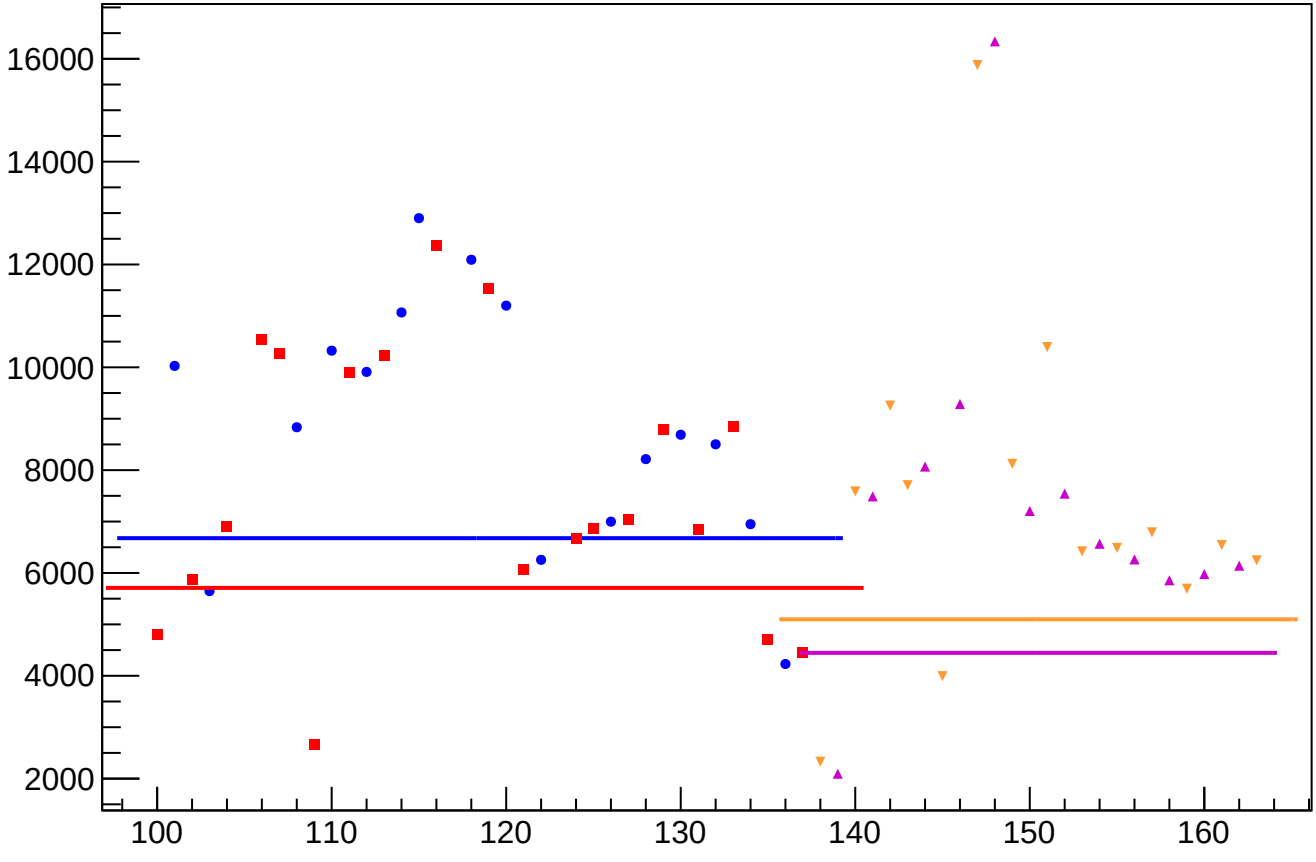
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.529+/-1.392 χ^2/NDF:20.9/27

Out: -0.643+/-1.404 χ^2/NDF:37.6/32

All: -0.053+/-0.989 χ^2/NDF: 58.8/60

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5098.279+/-1.237 χ^2/NDF:4041304.5/13

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4445.876+/-1.156 χ^2/NDF:5205282.8/11

Left: 4750.061+/-0.845 χ^2/NDF: 9394995.2/25

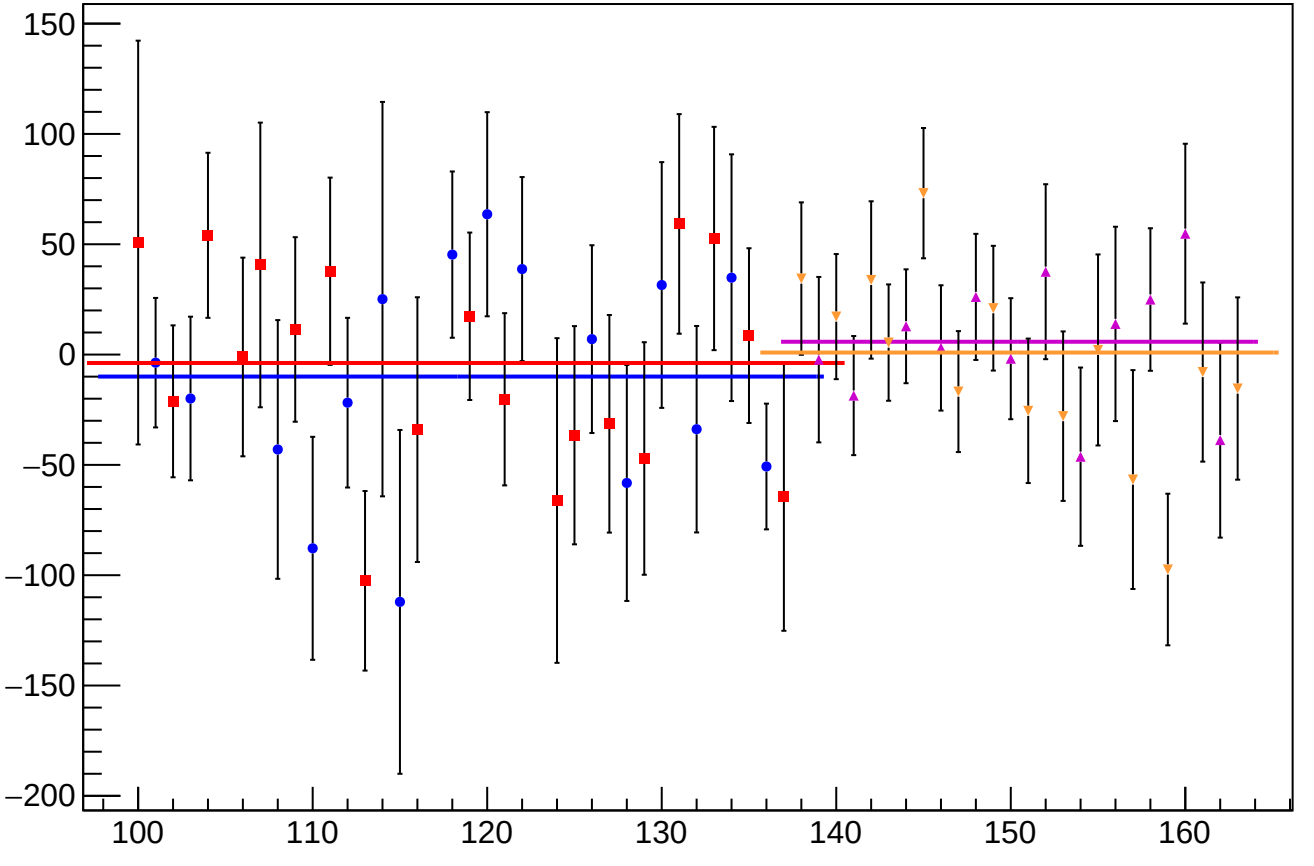
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5059.864+/-0.984 χ^2/NDF:7802553.2/27

Out: 5316.197+/-0.993 χ^2/NDF:6429401.7/32

All: 5186.975+/-0.699 χ^2/NDF: 14265573.0/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 0.916+/-8.899 χ^2/NDF:20.0/13

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.807+/-9.443 χ^2/NDF:6.7/11

Left: 3.217+/-6.476 χ^2/NDF: 26.8/25

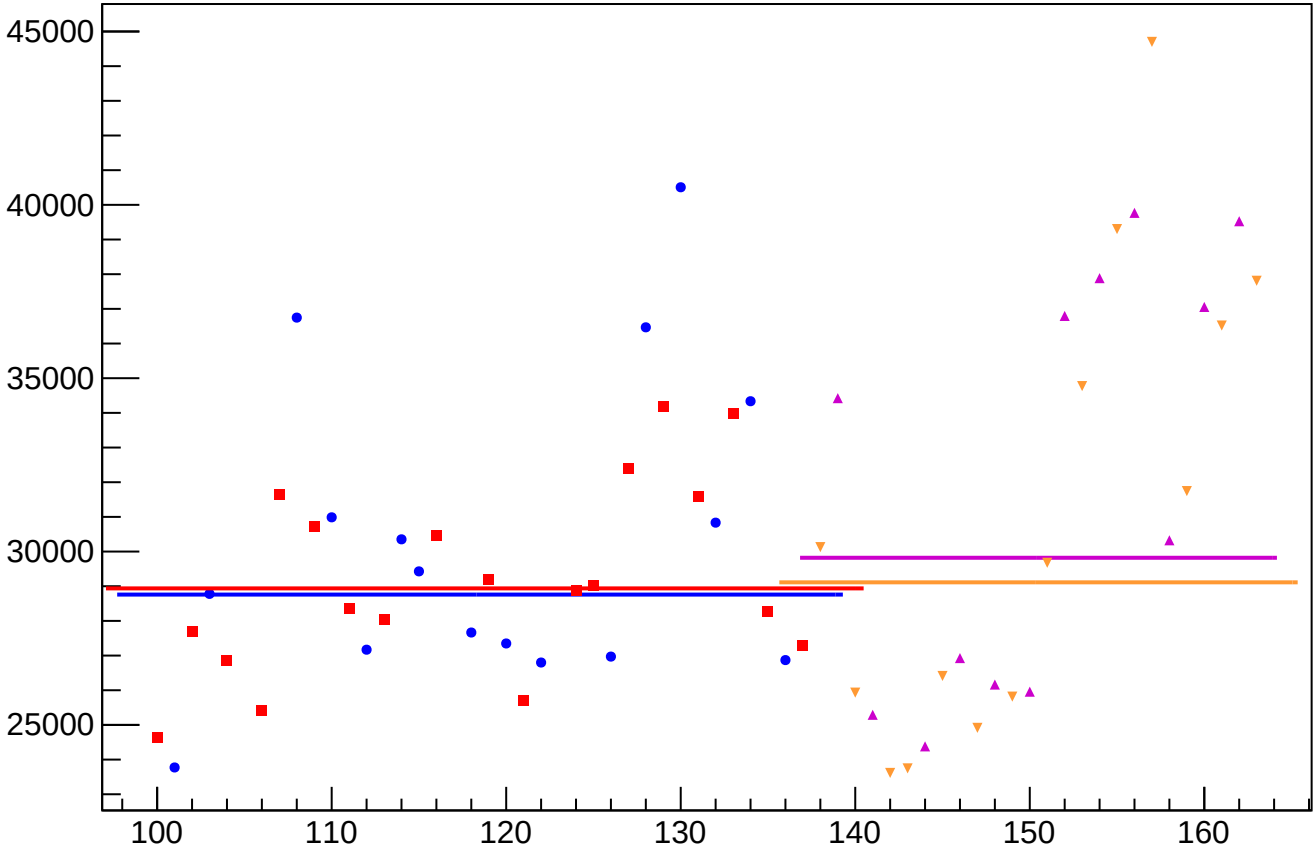
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -1.002+/-7.119 χ^2/NDF:23.2/27

Out: -1.032+/-6.825 χ^2/NDF:37.4/32

All: -1.017+/-4.927 χ^2/NDF: 60.6/60

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 29112.367+/-6.293 χ^2/NDF:767362.4/13

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 29820.971+/-6.677 χ^2/NDF:671923.2/11

Left: 29445.685+/-4.580 χ^2/NDF: 1445250.2/25

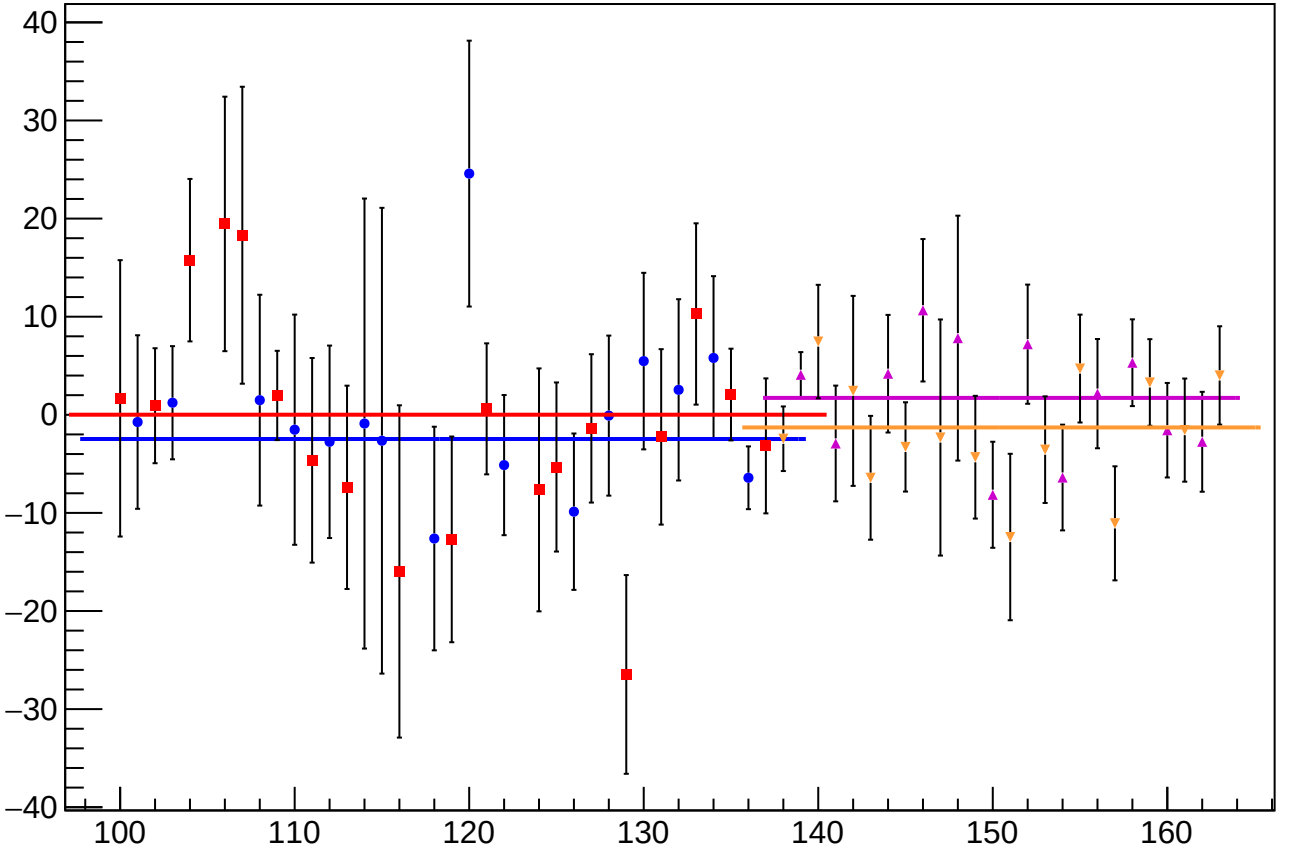
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 29362.646+/-5.034 χ^2/NDF:960479.1/27

Out: 29040.414+/-4.826 χ^2/NDF:873945.9/32

All: 29194.743+/-3.484 χ^2/NDF: 1836560.0/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -1.289+/-1.449 χ^2/NDF:11.8/13

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 1.722+/-1.373 χ^2/NDF:11.9/11

Left: 0.297+/-0.997 χ^2/NDF: 26.0/25

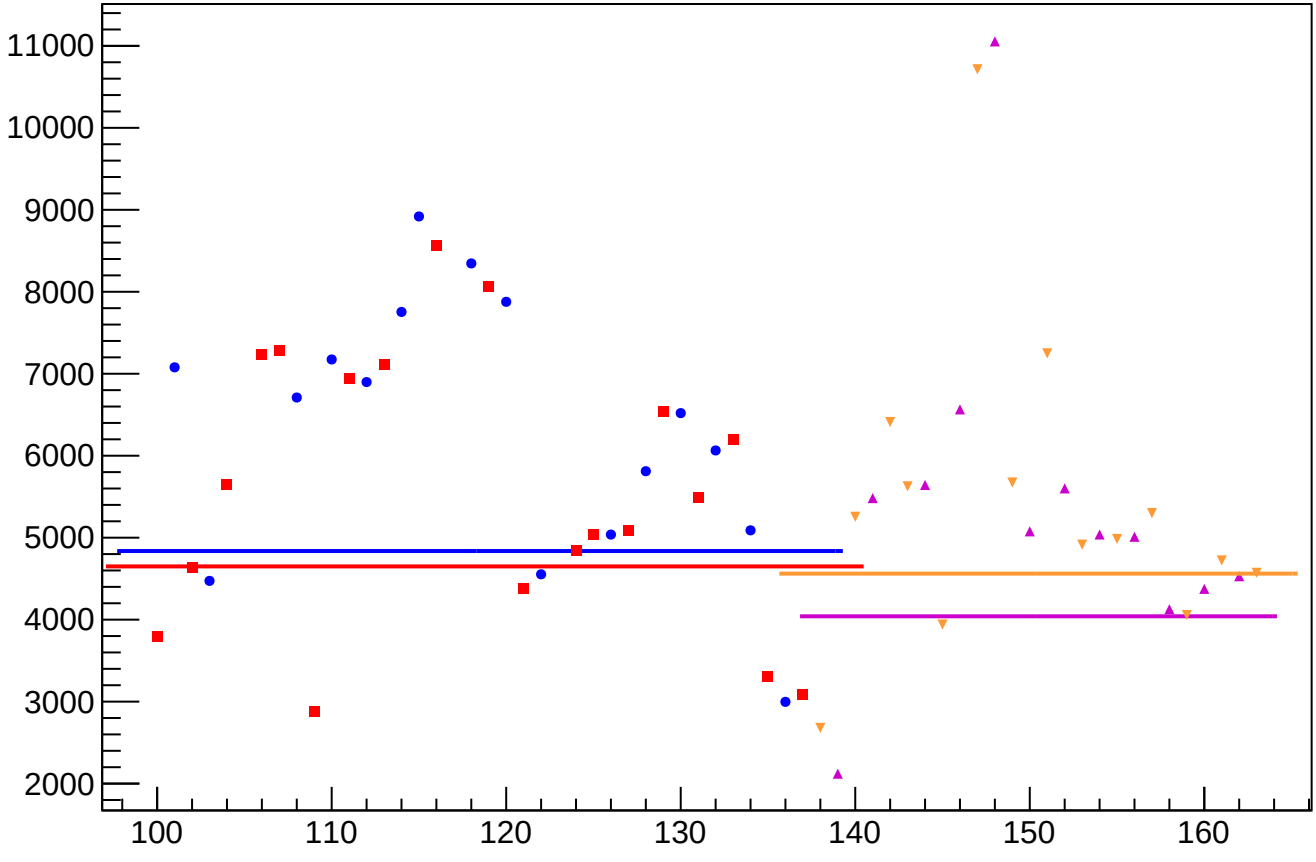
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.300+/-1.116 χ^2/NDF:25.1/27

Out: -0.789+/-1.135 χ^2/NDF:32.1/32

All: -0.235+/-0.796 χ^2/NDF: 57.6/60

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4561.590+/-1.024 χ^2/NDF:1716829.7/13

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4040.869+/-0.971 χ^2/NDF:2882307.5/11

Left: 4287.284+/-0.705 χ^2/NDF: 4735251.8/25

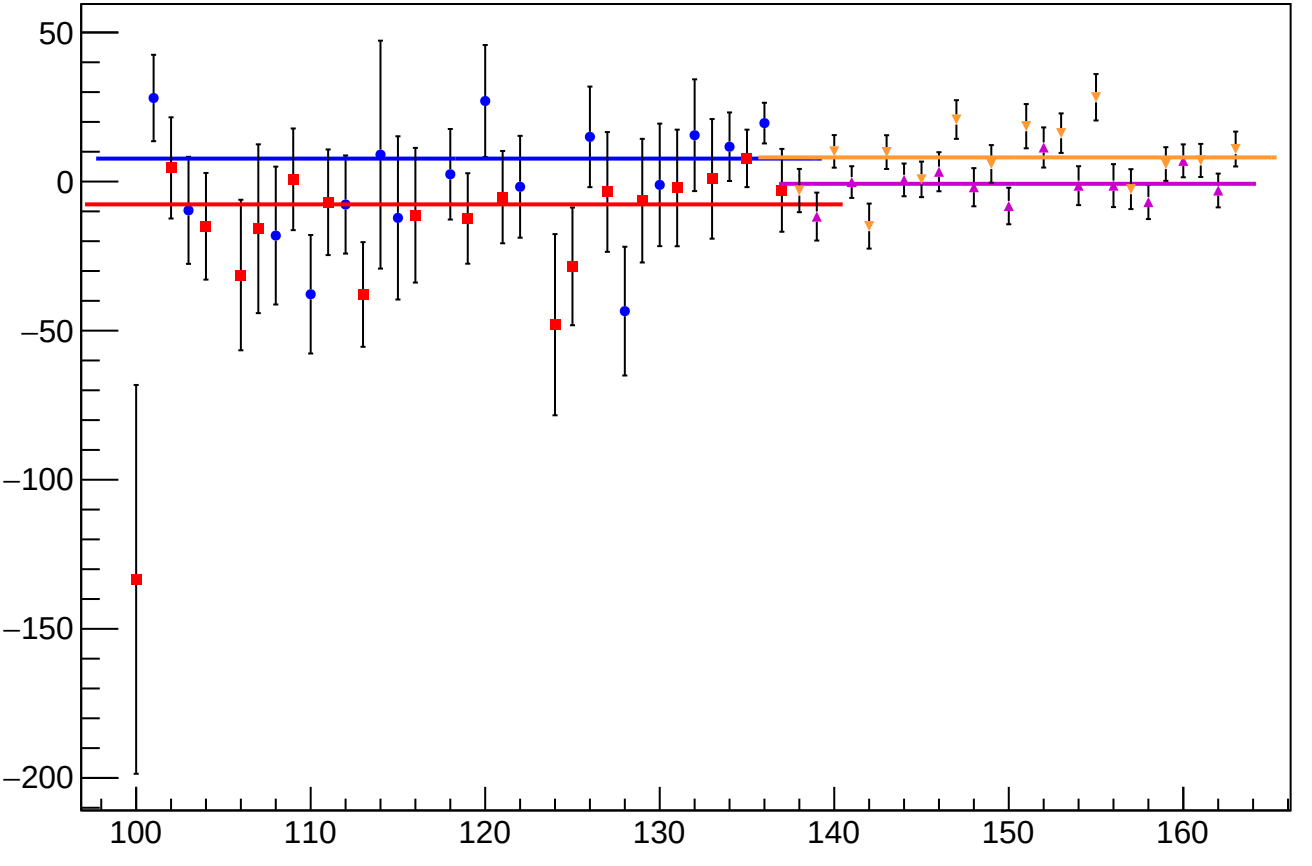
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4311.134+/-0.789 χ^2/NDF:4658373.3/27

Out: 4595.544+/-0.803 χ^2/NDF:3154226.5/32

All: 4450.887+/-0.563 χ^2/NDF: 7876426.1/60

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 8.096+/-1.687 χ^2/NDF:30.5/13

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.751+/-1.774 χ^2/NDF:10.4/11

Left: 3.893+/-1.223 χ^2/NDF: 54.0/25

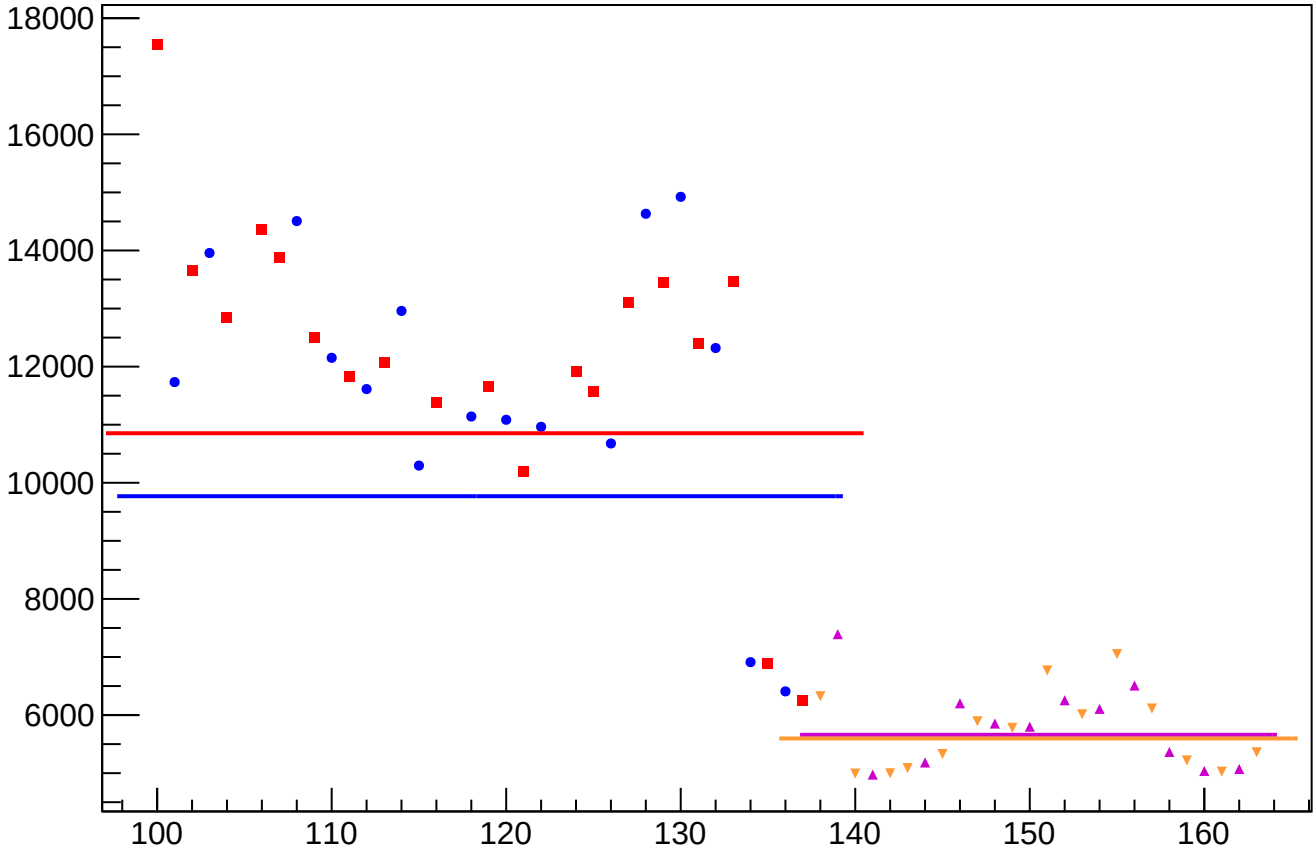
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.748+/-1.609 χ^2/NDF:36.0/27

Out: 5.814+/-1.560 χ^2/NDF:57.7/32

All: 3.358+/-1.120 χ^2/NDF: 98.8/60

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5597.188+/-1.193 χ^2/NDF:256096.4/13

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5660.429+/-1.254 χ^2/NDF:262969.2/11

Left: 5627.233+/-0.864 χ^2/NDF: 520400.2/25

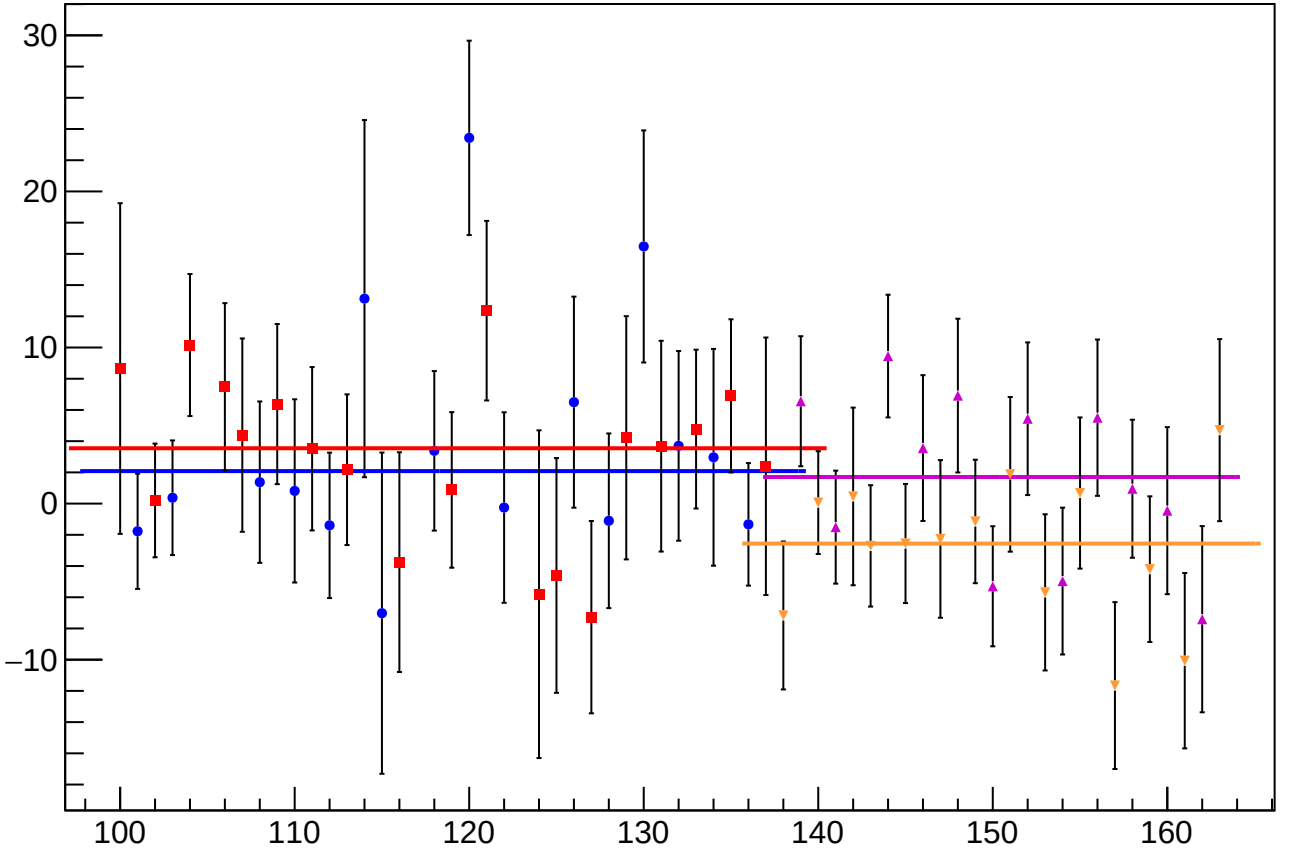
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6389.166+/-1.138 χ^2/NDF:3379881.3/27

Out: 6358.789+/-1.103 χ^2/NDF:3941969.6/32

All: 6373.514+/-0.792 χ^2/NDF: 7322218.3/60

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.561+/-1.221 χ^2/NDF:10.0/13

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 1.703+/-1.297 χ^2/NDF:16.3/11

Left: -0.558+/-0.889 χ^2/NDF: 32.0/25

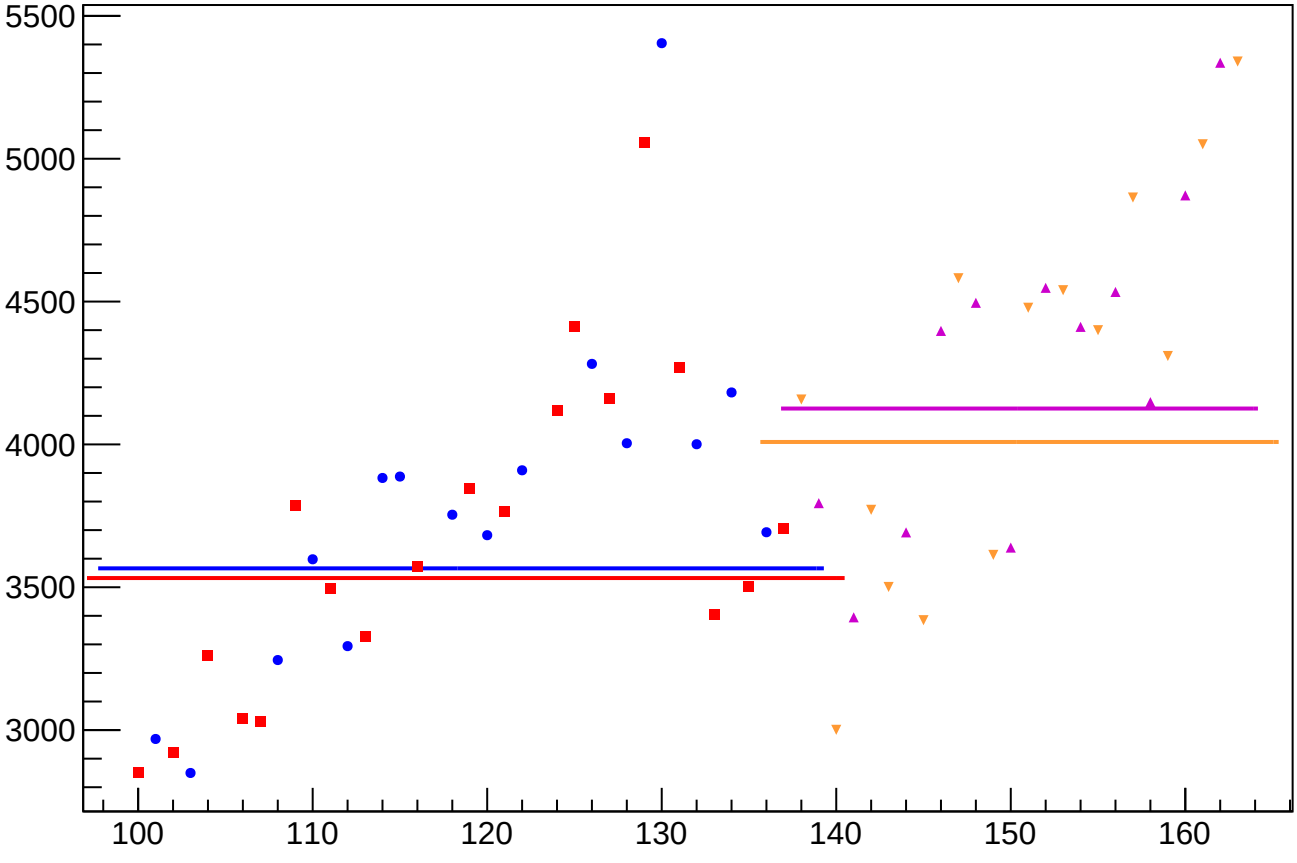
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.886+/-0.934 χ^2/NDF:37.3/27

Out: 0.291+/-0.891 χ^2/NDF:35.1/32

All: 1.051+/-0.645 χ^2/NDF: 74.0/60

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4008.552+/-0.863 χ^2/NDF:612456.4/13

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4125.577+/-0.917 χ^2/NDF:325506.1/11

Left: 4063.523+/-0.629 χ^2/NDF: 946595.4/25

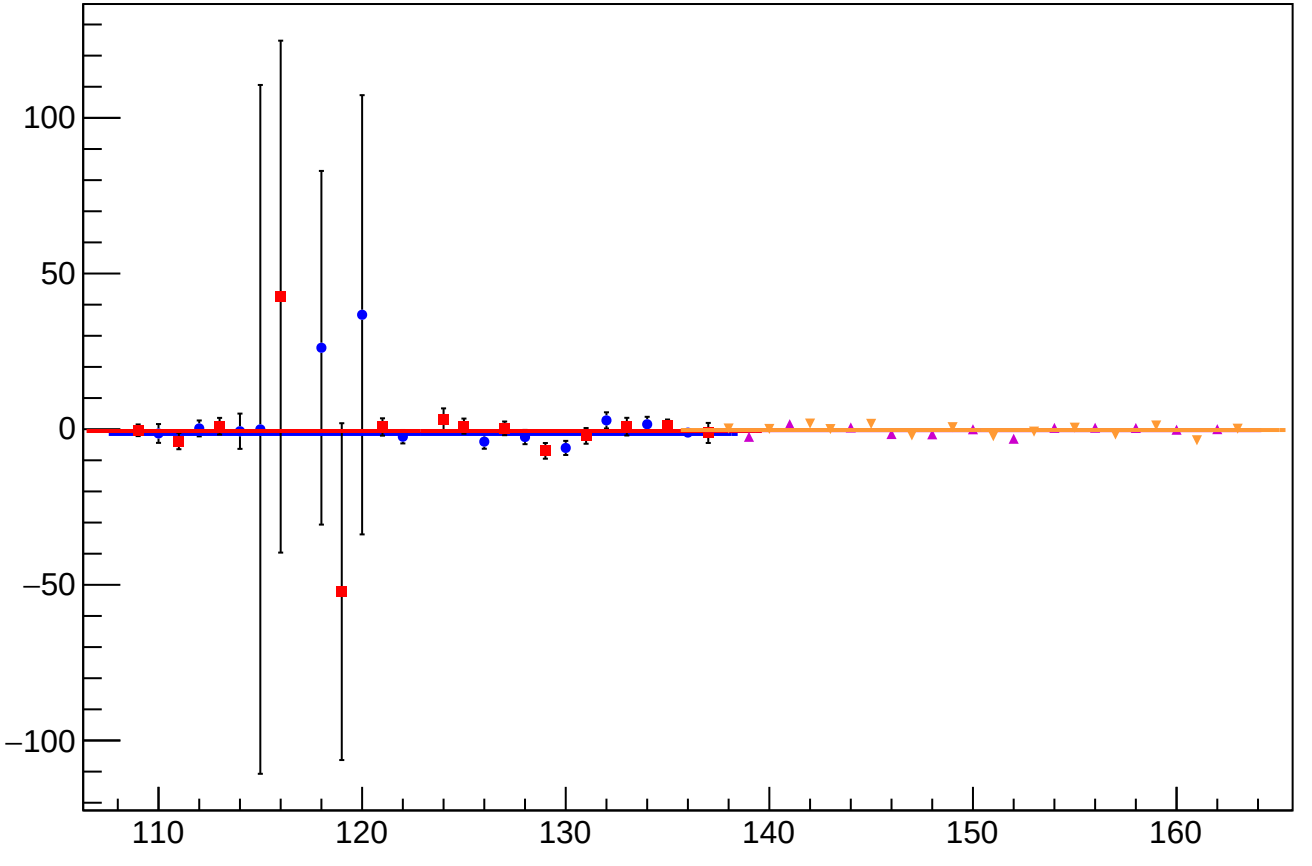
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3856.078+/-0.660 χ^2/NDF:845844.1/27

Out: 3786.087+/-0.630 χ^2/NDF:1033366.8/32

All: 3819.453+/-0.456 χ^2/NDF: 1885091.0/60

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.277+/-0.305 χ^2/NDF:23.7/13

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.319+/-0.315 χ^2/NDF:18.1/11

Left: -0.297+/-0.219 χ^2/NDF: 41.8/25

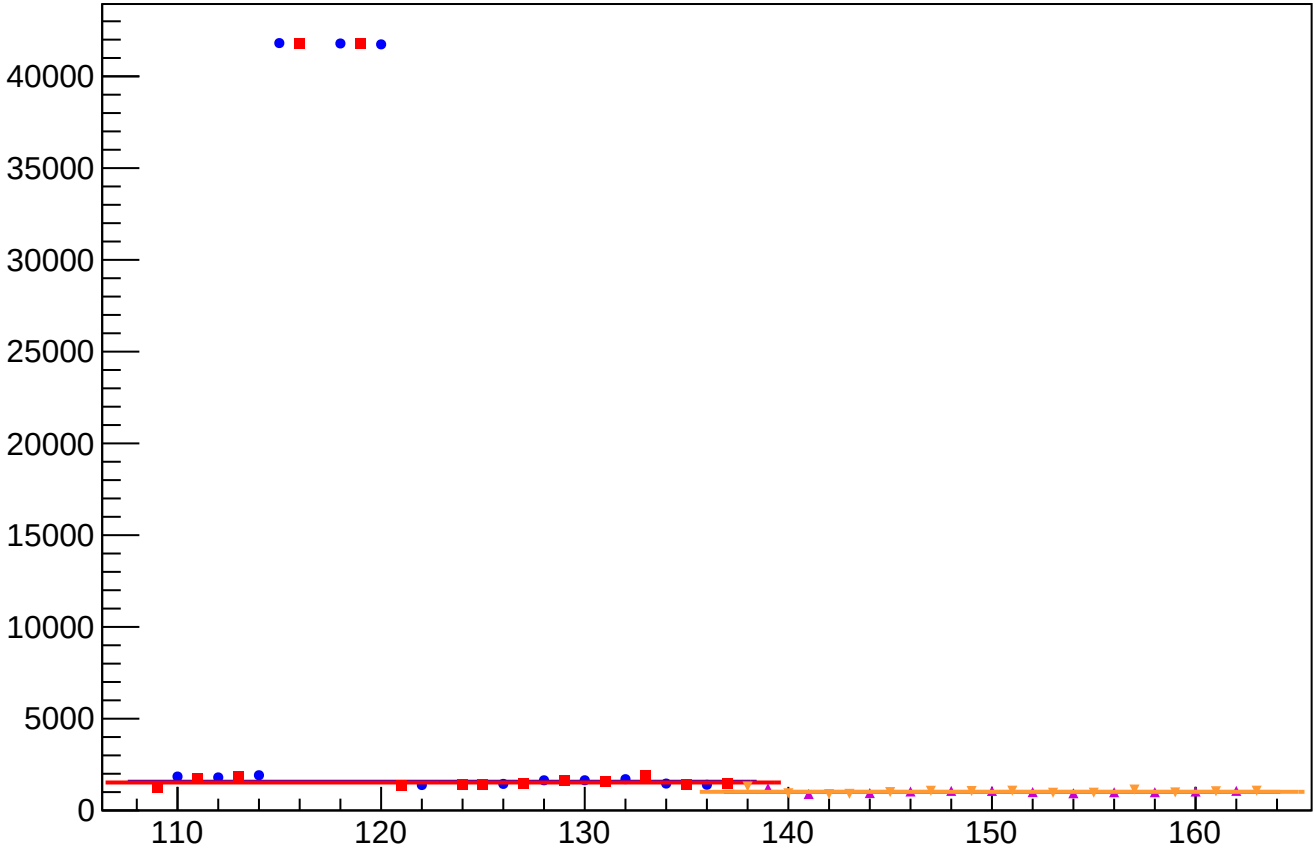
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.509+/-0.290 χ^2/NDF:31.5/24

Out: -0.325+/-0.281 χ^2/NDF:36.6/27

All: -0.414+/-0.202 χ^2/NDF: 68.3/52

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.190+/-0.216 χ^2/NDF:177256.5/13

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1009.687+/-0.223 χ^2/NDF:110664.8/11

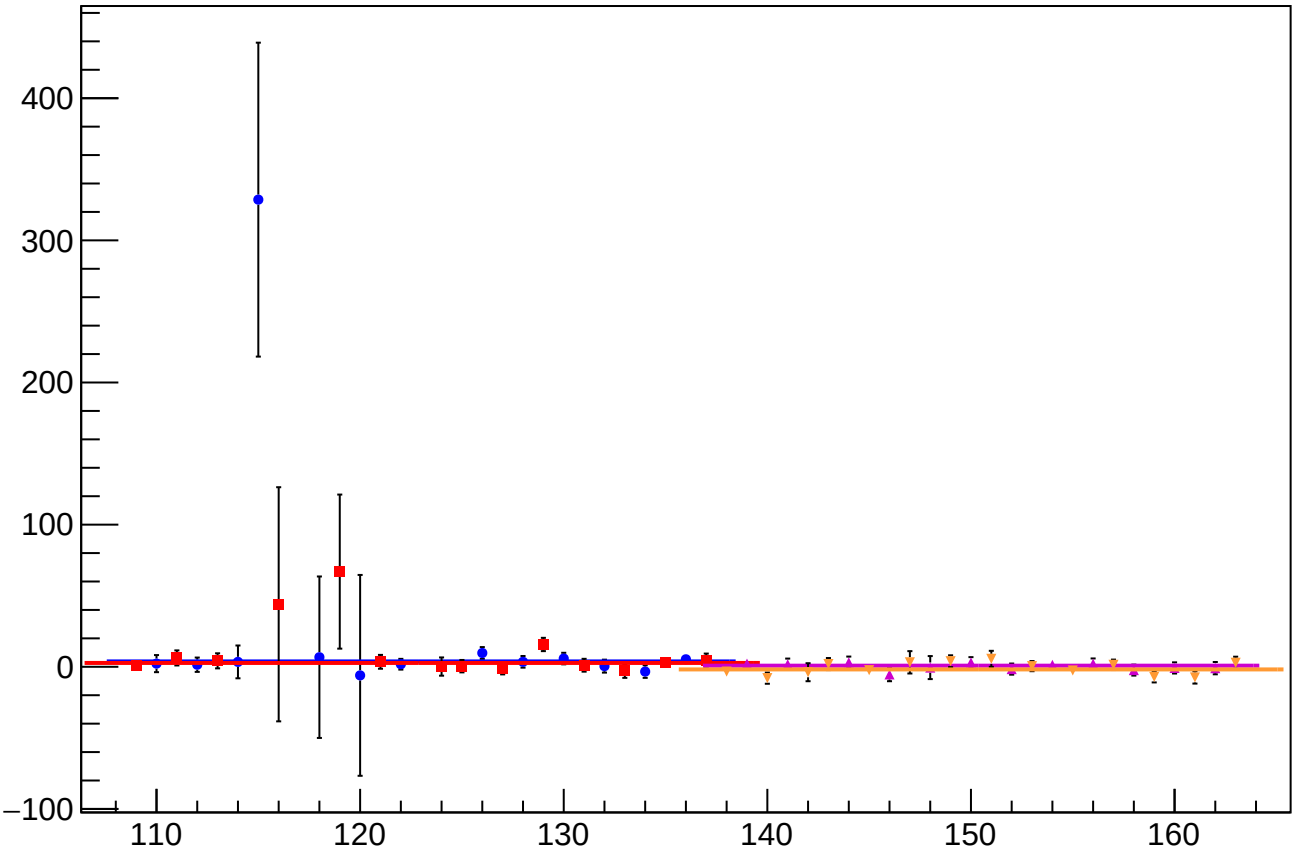
Left: 1012.528+/-0.155 χ^2/NDF: 288235.9/25

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1096.334+/-0.205 χ^2/NDF:3094547.8/24

Out: 1093.169+/-0.199 χ^2/NDF:2768323.2/27

All: 1094.703+/-0.143 χ^2/NDF: 5862994.1/52



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.853+/-1.016 χ^2/NDF:13.9/13

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.786+/-1.061 χ^2/NDF:4.5/11

Left: -0.591+/-0.734 χ^2/NDF: 21.6/25

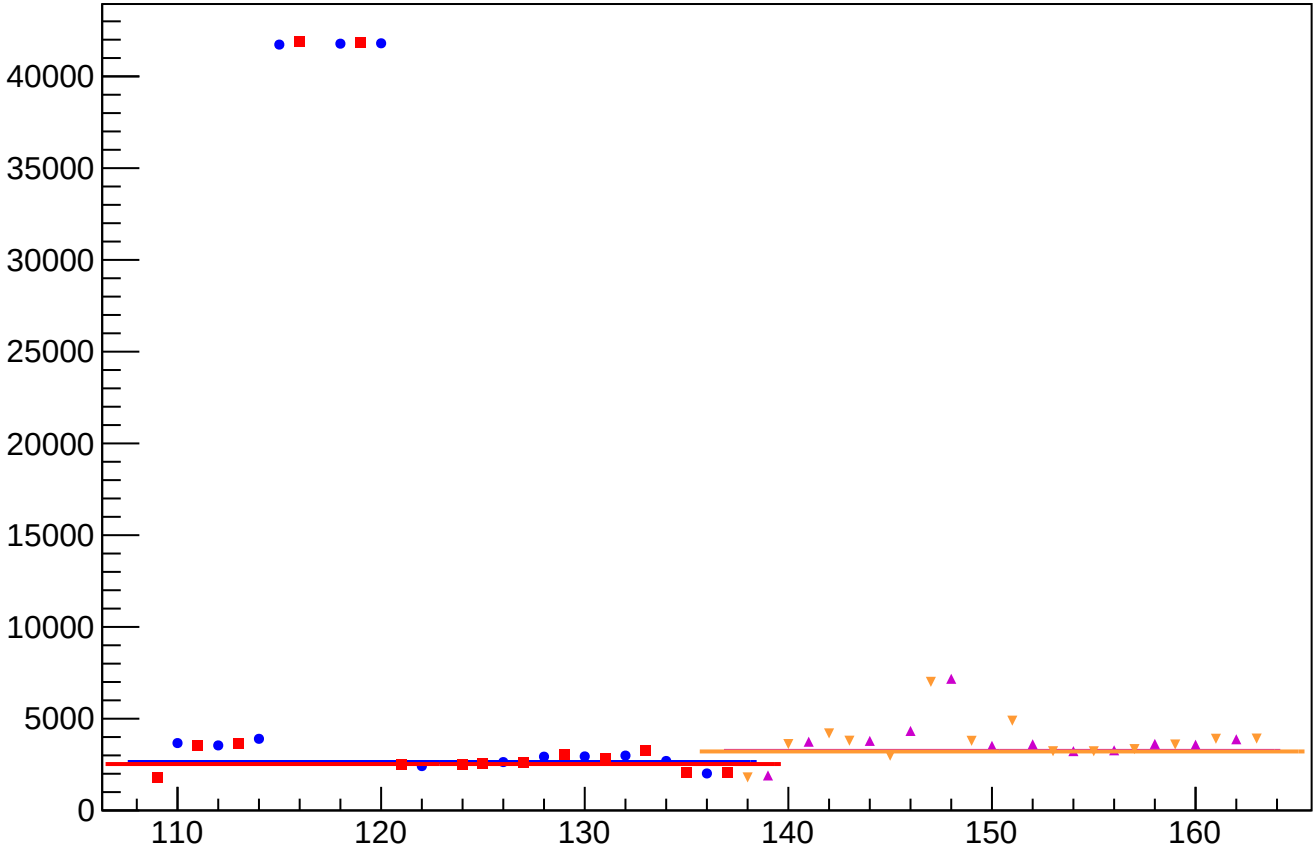
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.041+/-0.809 χ^2/NDF:23.0/24

Out: 0.031+/-0.778 χ^2/NDF:35.8/27

All: 0.998+/-0.561 χ^2/NDF: 62.0/52

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3214.897+/-0.718 χ^2/NDF:1834741.0/13

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3244.619+/-0.751 χ^2/NDF:1548206.8/11

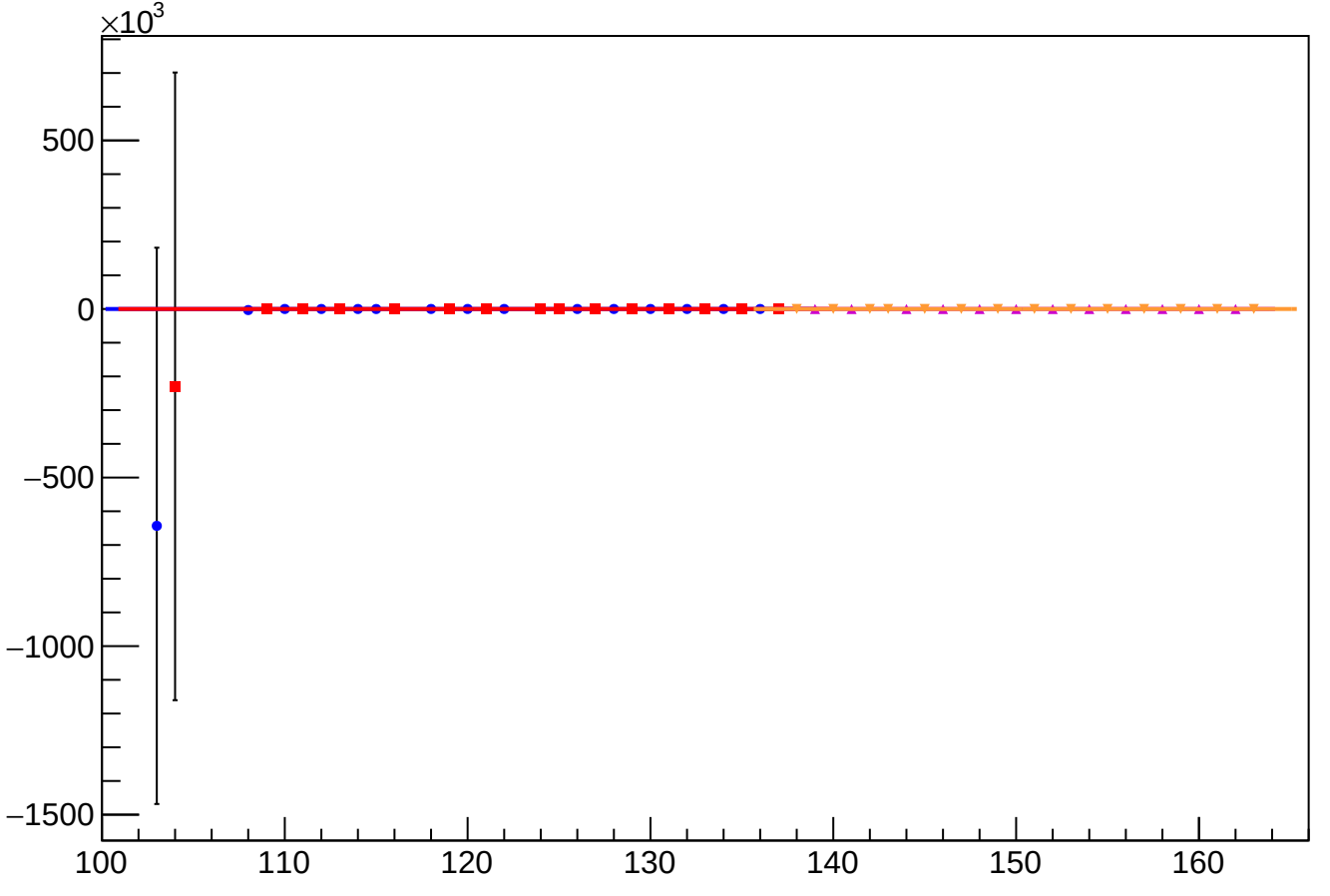
Left: 3229.104+/-0.519 χ^2/NDF: 3383766.4/25

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2990.893+/-0.572 χ^2/NDF:3993959.2/24

Out: 2931.637+/-0.550 χ^2/NDF:4161317.8/27

All: 2960.129+/-0.396 χ^2/NDF: 8160852.9/52



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -2.080+/-0.474 χ^2/NDF:26.2/13

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.070+/-0.496 χ^2/NDF:14.0/11

Left: -1.052+/-0.343 χ^2/NDF: 50.0/25

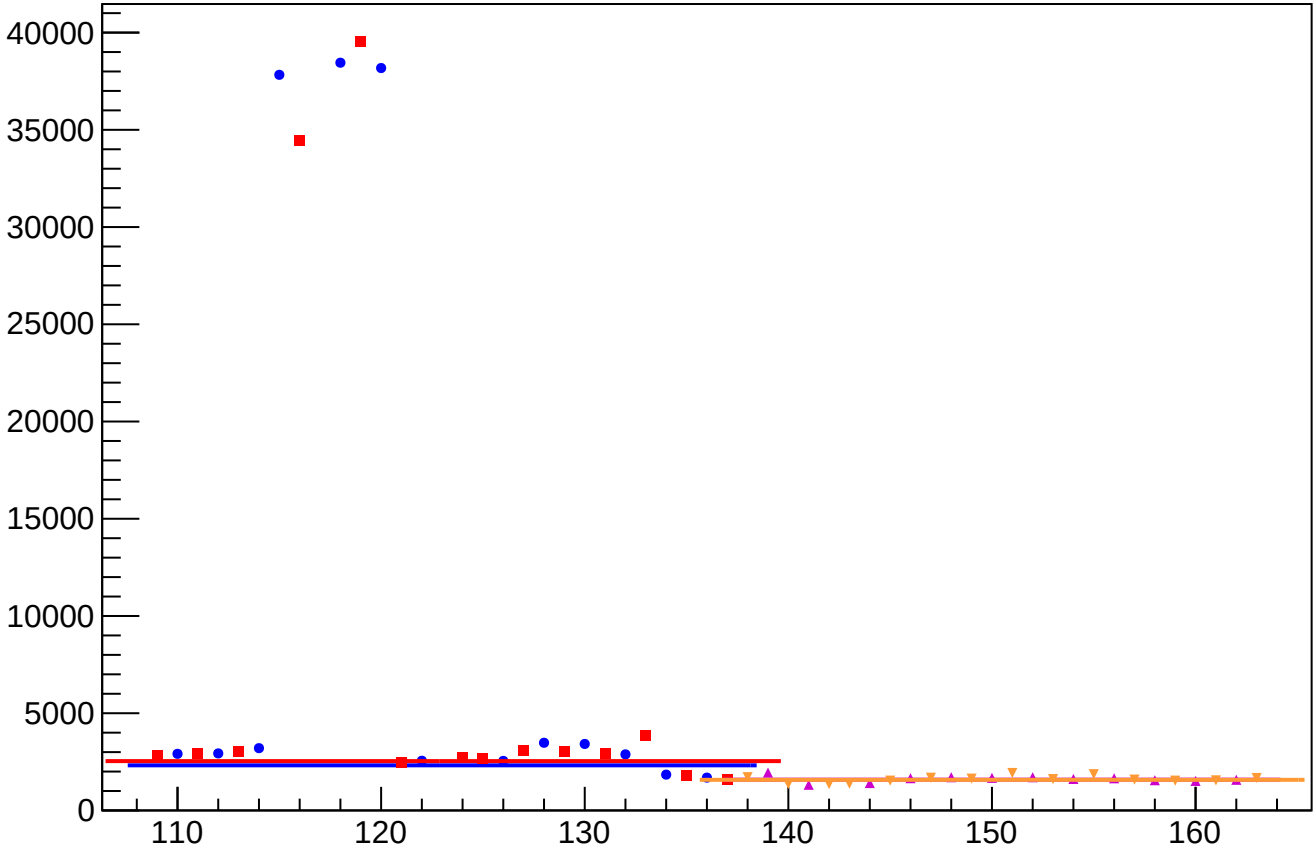
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.139+/-0.453 χ^2/NDF:33.9/26

Out: -1.449+/-0.441 χ^2/NDF:54.0/28

All: -0.811+/-0.316 χ^2/NDF: 92.1/55

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1575.147+/-0.335 χ^2/NDF:223416.6/13

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.343+/-0.350 χ^2/NDF:190541.7/11

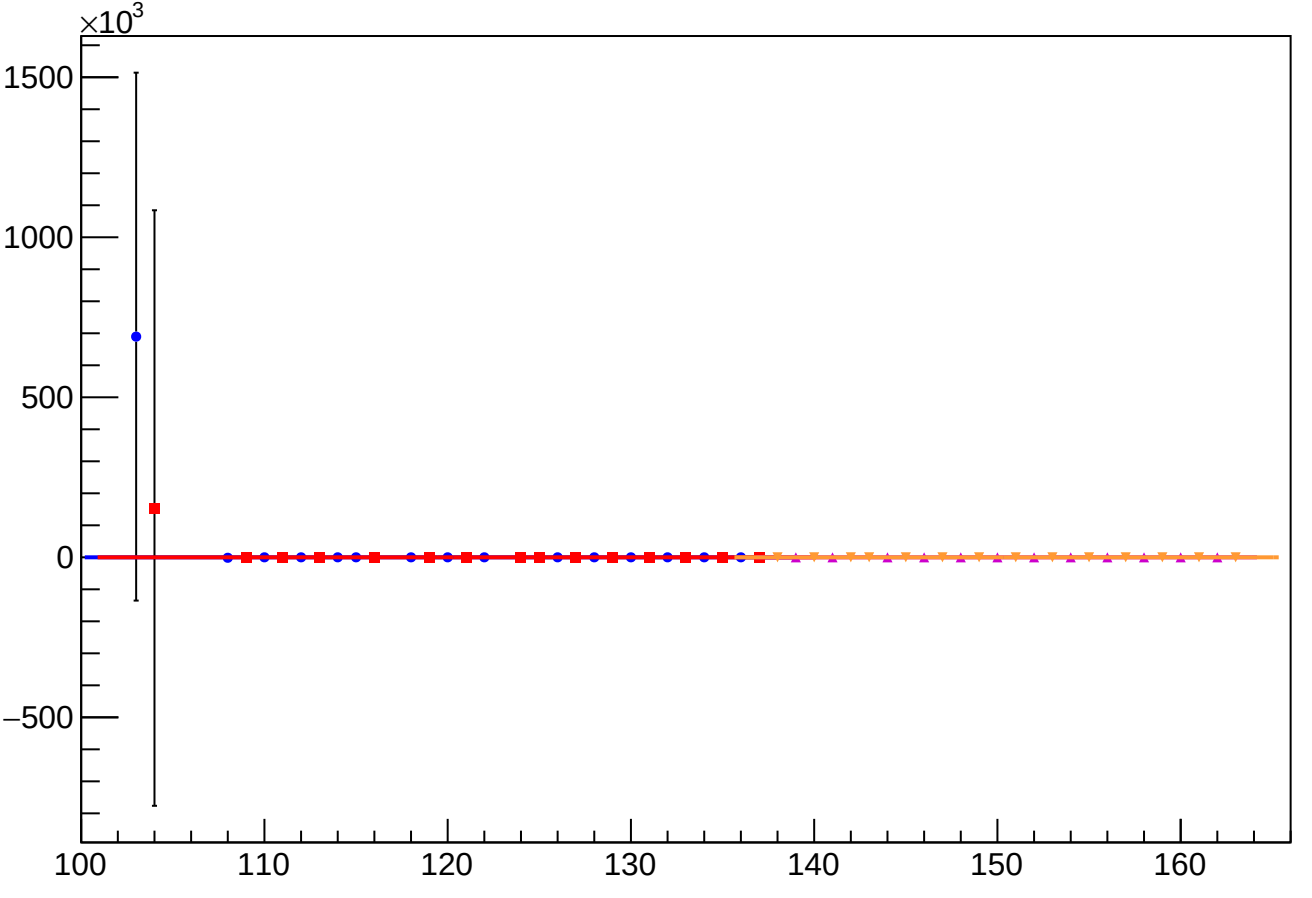
Left: 1579.064+/-0.242 χ^2/NDF: 414243.9/25

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1703.060+/-0.321 χ^2/NDF:3370771.9/24

Out: 1703.045+/-0.312 χ^2/NDF:3356780.0/27

All: 1703.052+/-0.224 χ^2/NDF: 6727551.9/52



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.831+/-0.650 χ^2/NDF:17.6/13

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.019+/-0.642 χ^2/NDF:4.1/11

Left: -0.420+/-0.456 χ^2/NDF: 22.5/25

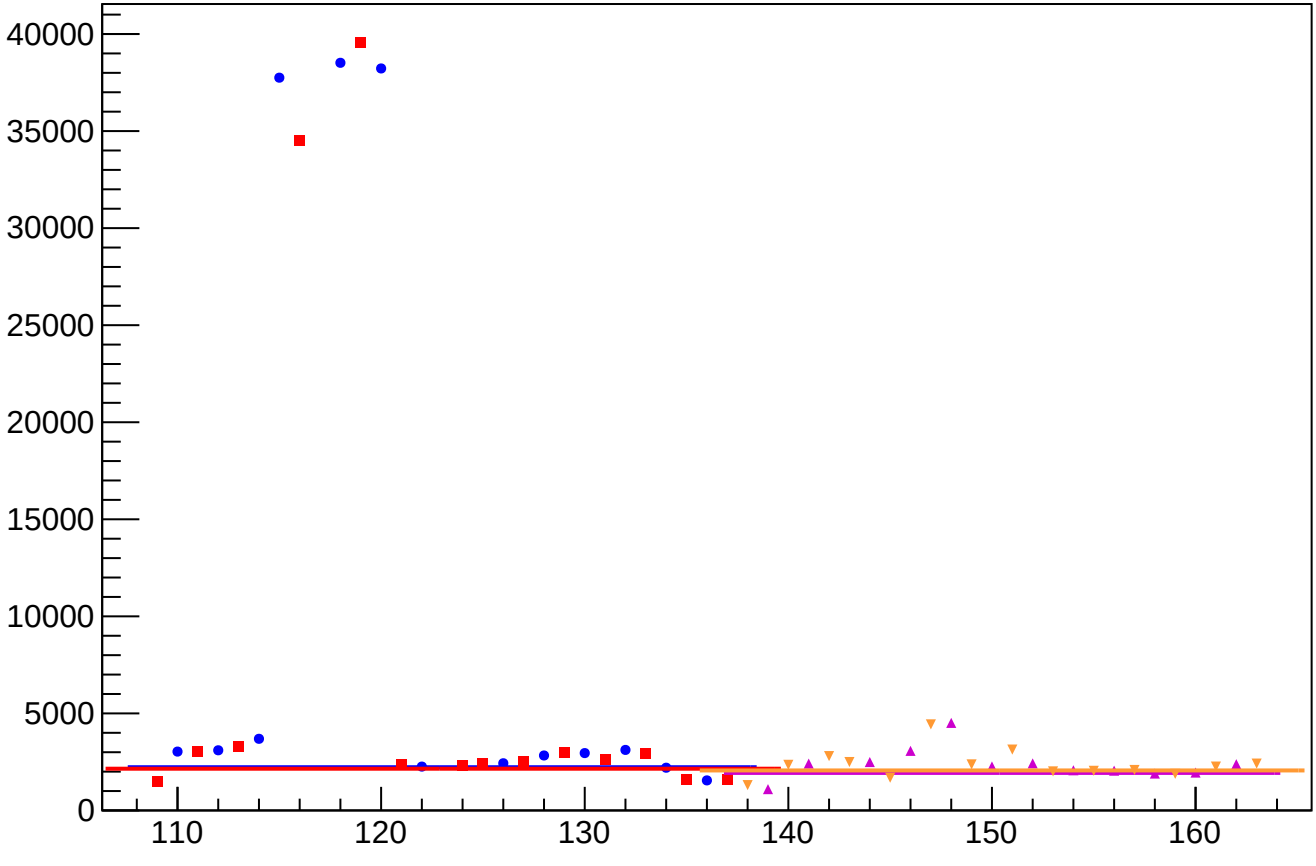
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.434+/-0.551 χ^2/NDF:11.0/26

Out: -0.079+/-0.553 χ^2/NDF:37.8/28

All: 0.178+/-0.390 χ^2/NDF: 49.2/55

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2061.277+/-0.459 χ^2/NDF:1374004.0/13

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1934.623+/-0.454 χ^2/NDF:2053559.6/11

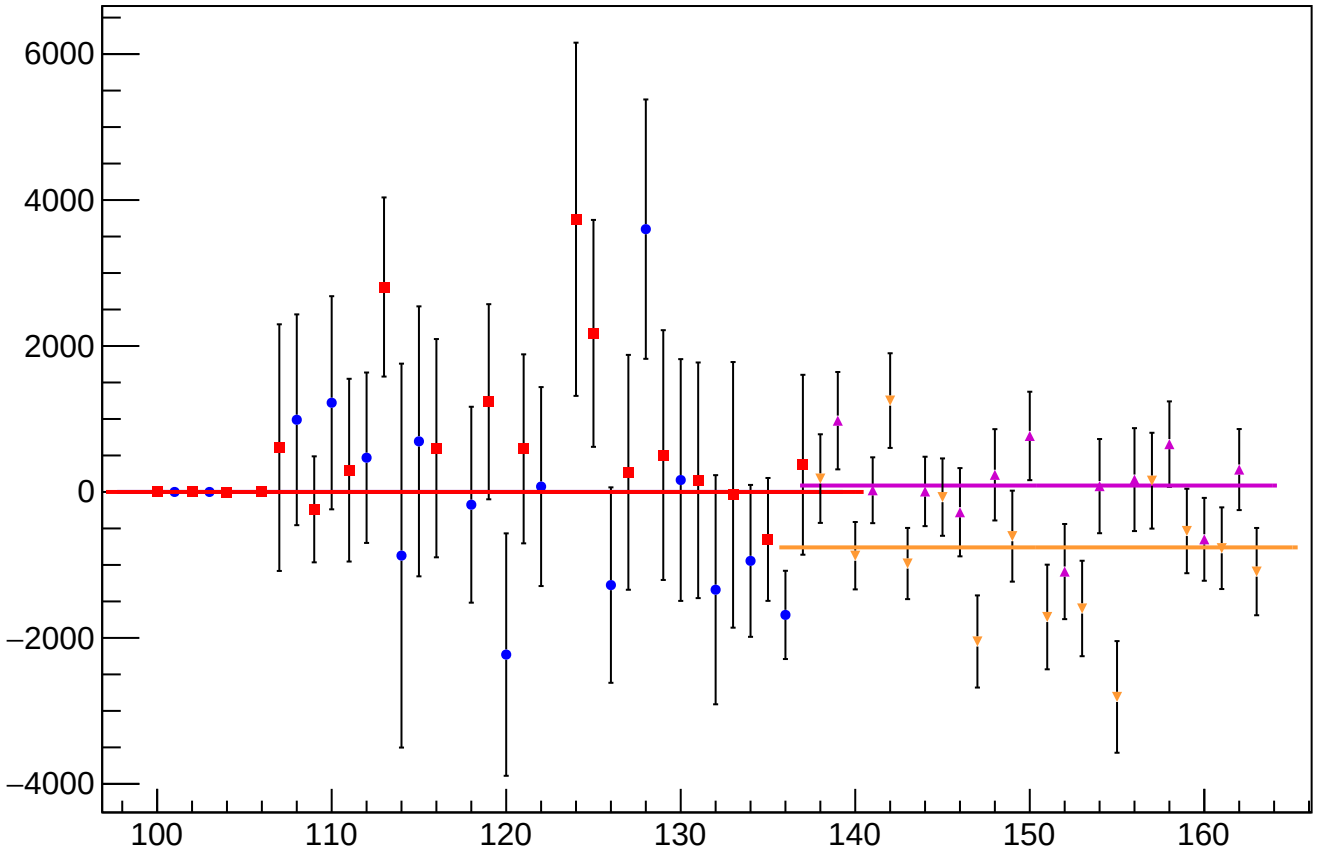
Left: 1997.178+/-0.323 χ^2/NDF: 3466049.2/25

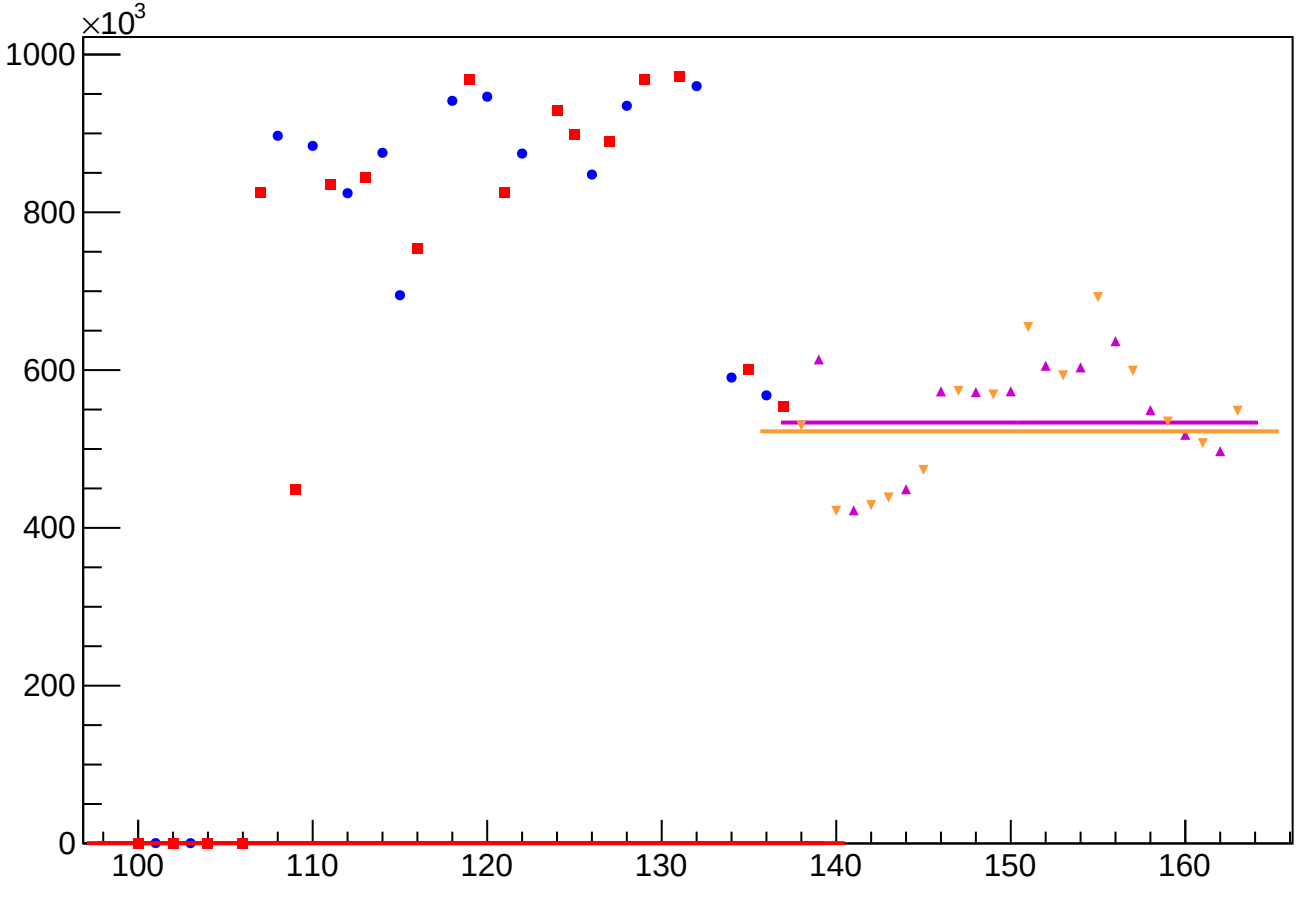
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2011.268+/-0.390 χ^2/NDF:4684678.5/24

Out: 2086.006+/-0.391 χ^2/NDF:3615825.4/27

All: 2048.537+/-0.276 χ^2/NDF: 8318842.4/52


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -759.552+/-158.289 χ²/NDF:31.2/13
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 87.931+/-167.546 χ²/NDF:9.6/11
Left: -359.870+/-115.061 χ²/NDF: 54.3/25
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:27.6/27
Out: -0.099+/-0.328 χ²/NDF:69.6/32
All: 0.064+/-0.241 χ²/NDF: 97.8/60



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 522373.782+/-111.927 χ^2/NDF:461509.5/13

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 533509.266+/-118.473 χ^2/NDF:340448.2/11

Left: 527625.401+/-81.360 χ^2/NDF: 806625.6/25

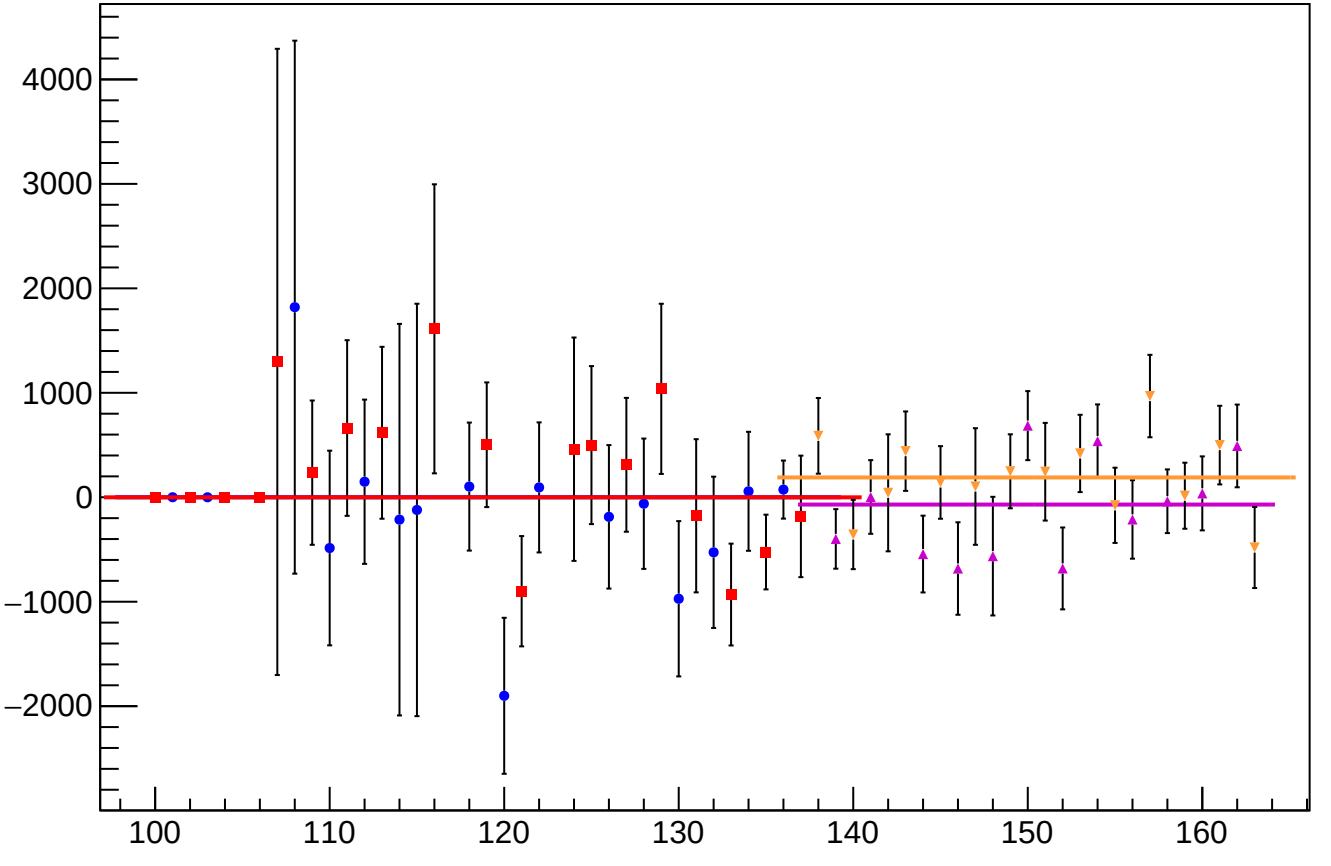
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.283+/-0.251 χ^2/NDF:29080739.8/26

Out: 395.478+/-0.232 χ^2/NDF:29858920.2/31

All: 398.144+/-0.170 χ^2/NDF: 58939948.1/58

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 189.618+/-102.061 χ^2/NDF:13.3/13

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -69.779+/-104.299 χ^2/NDF:18.6/11

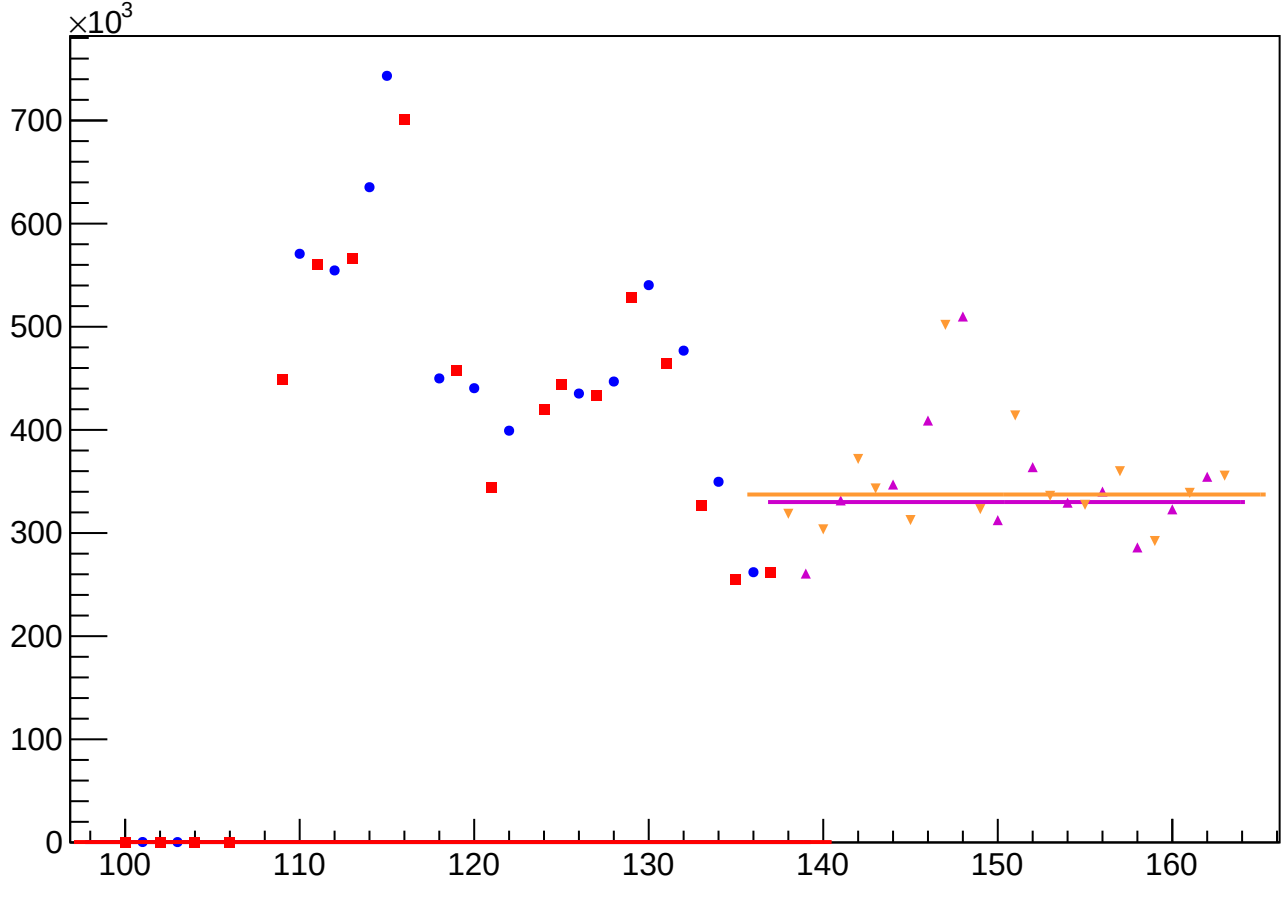
Left: 62.733+/-72.946 χ^2/NDF: 35.1/25

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:29.5/27

Out: -0.597+/-0.324 χ^2/NDF:31.8/32

All: -0.329+/-0.237 χ^2/NDF: 62.8/60



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 337358.887+/-72.168 χ^2/NDF:328191.4/13

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 330037.752+/-73.757 χ^2/NDF:459061.5/11

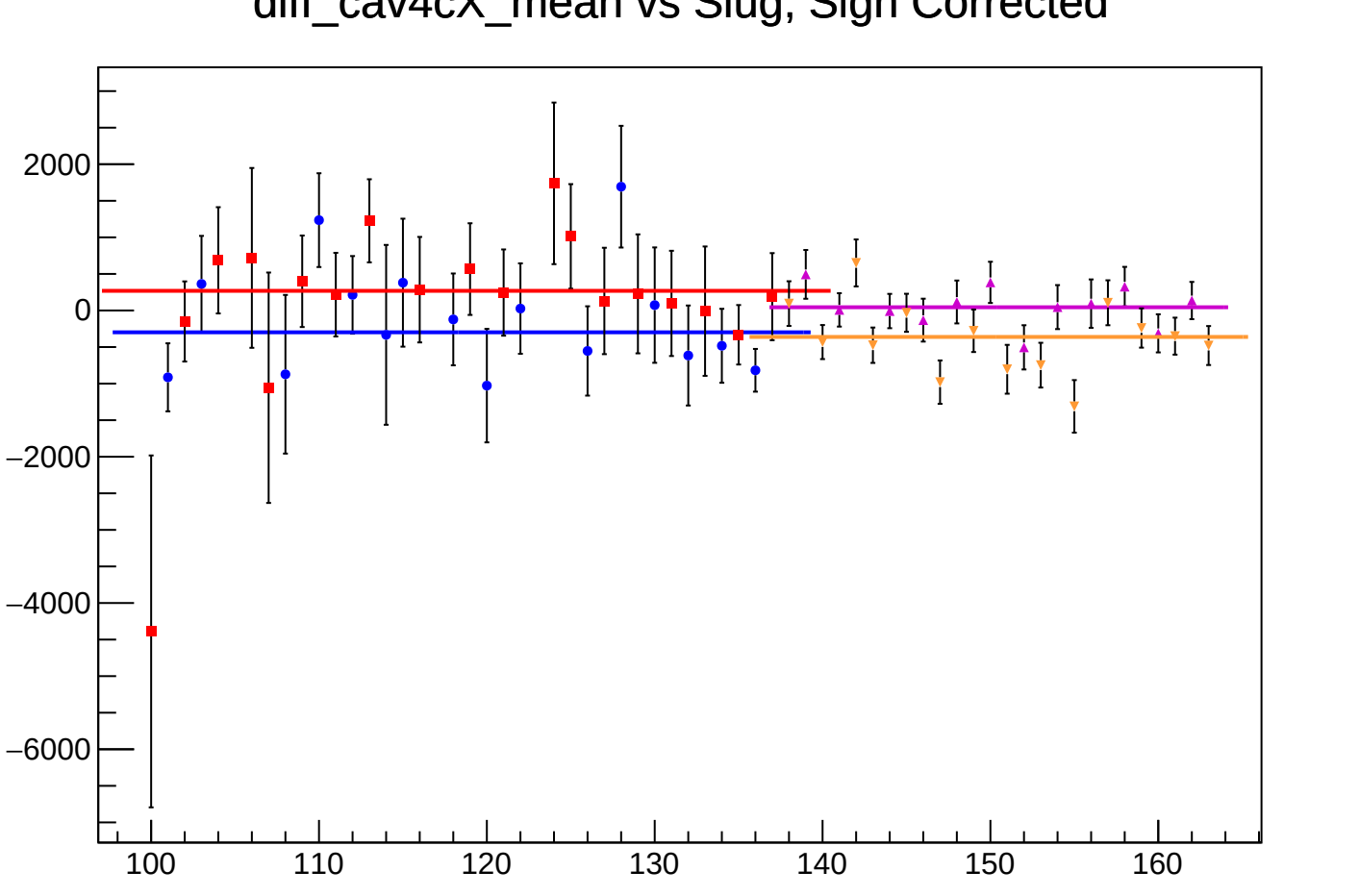
Left: 333778.028+/-51.583 χ^2/NDF: 792286.5/25

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 393.926+/-0.245 χ^2/NDF:31566494.4/26

Out: 391.376+/-0.229 χ^2/NDF:33204336.7/31

All: 392.563+/-0.167 χ^2/NDF: 64770888.9/58



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -361.523+/-75.477 χ^2/NDF:31.5/13

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 44.238+/-79.772 χ^2/NDF:10.2/11

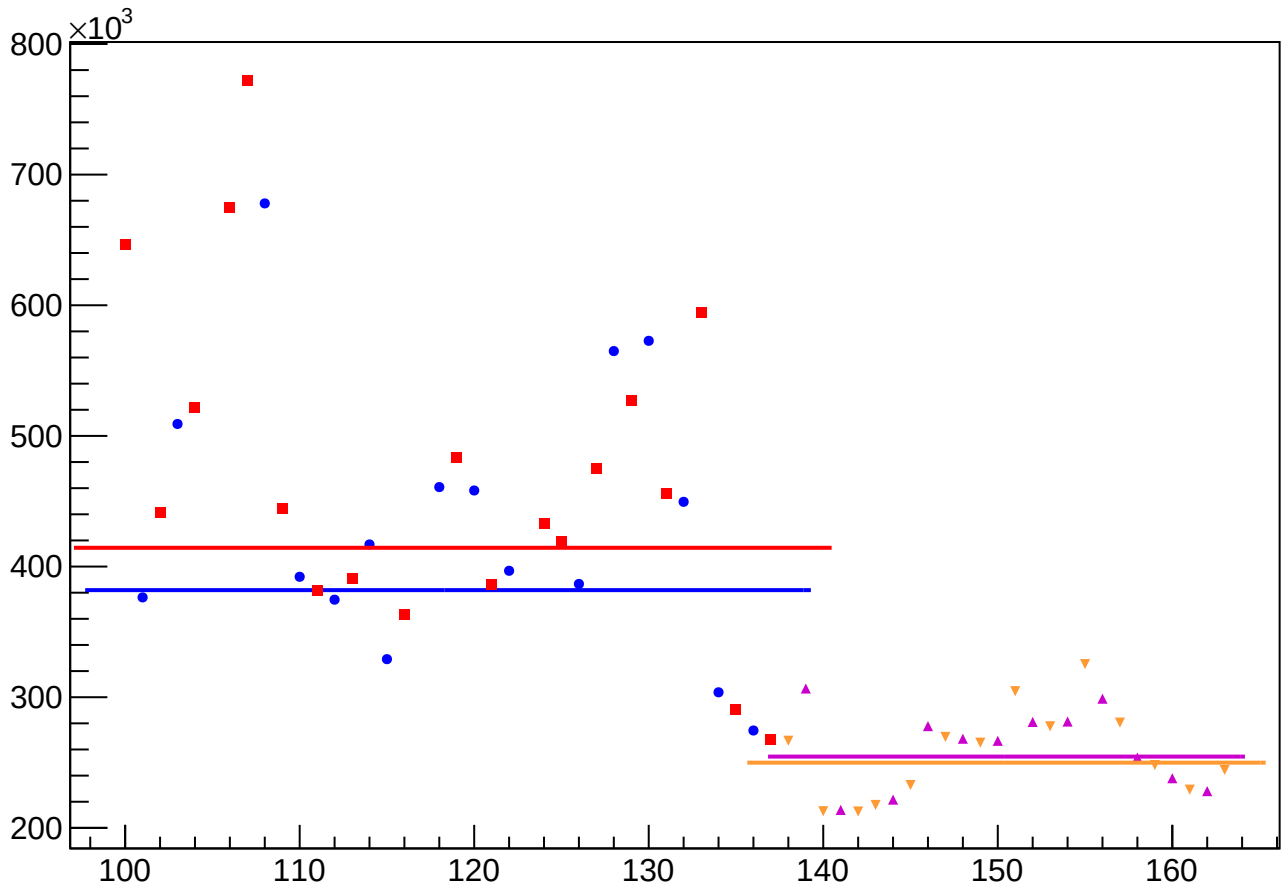
Left: -169.860+/-54.826 χ^2/NDF: 55.4/25

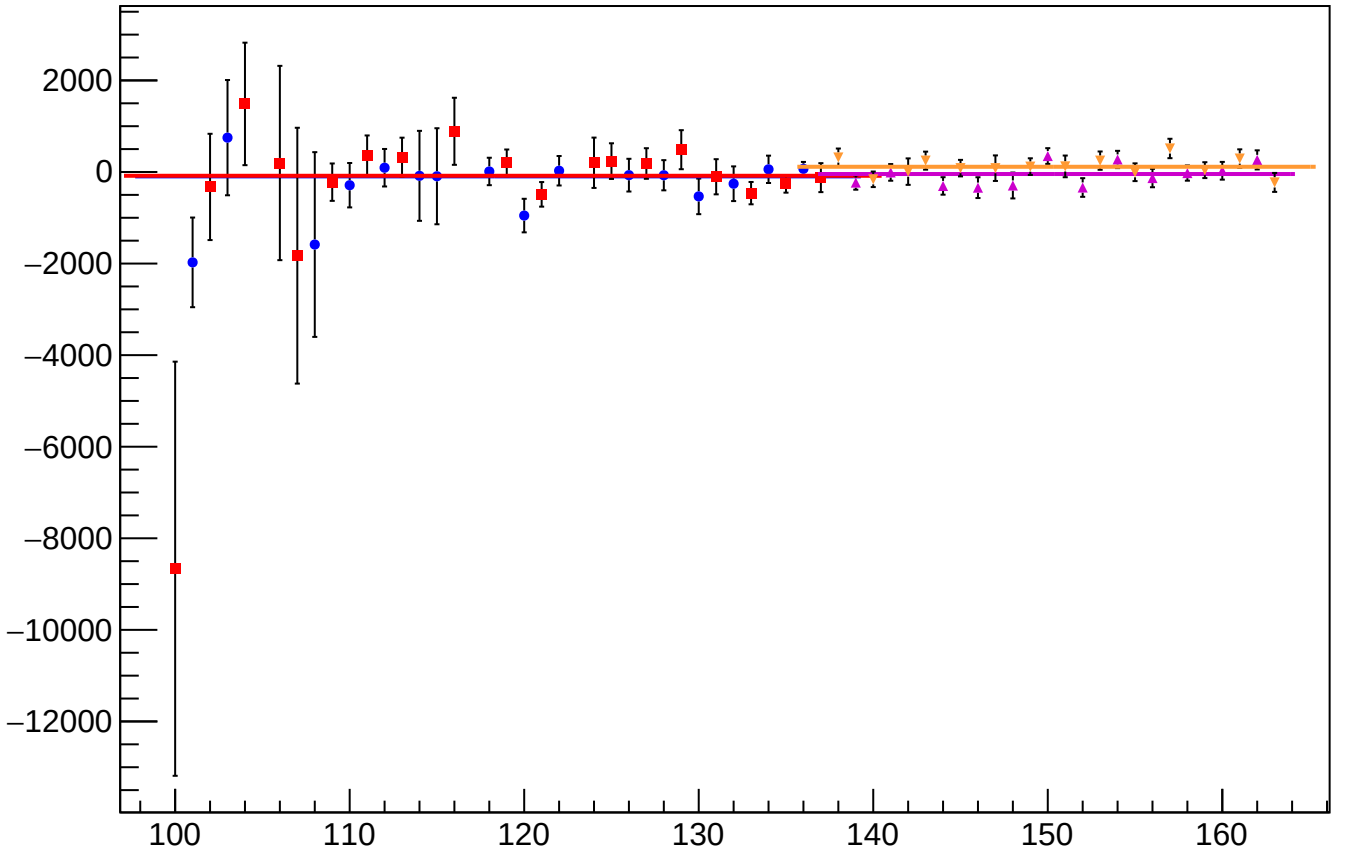
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -33.380+/-70.153 χ^2/NDF:35.5/27

Out: -242.663+/-67.990 χ^2/NDF:58.6/32

All: -141.297+/-48.823 χ^2/NDF: 98.7/60


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 249916.772+/-53.370 χ²/NDF:335556.0/13
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 254554.569+/-56.408 χ²/NDF:269752.8/11
Left: 252107.456+/-38.768 χ²/NDF: 608875.7/25
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 283419.095+/-49.608 χ²/NDF:2261987.4/27
Out: 280912.074+/-48.079 χ²/NDF:2885254.3/32
All: 282126.348+/-34.525 χ²/NDF: 5148558.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 113.847+/-53.807 χ^2/NDF:12.4/13

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -44.353+/-55.274 χ^2/NDF:18.5/11

Left: 36.875+/-38.556 χ^2/NDF: 35.1/25

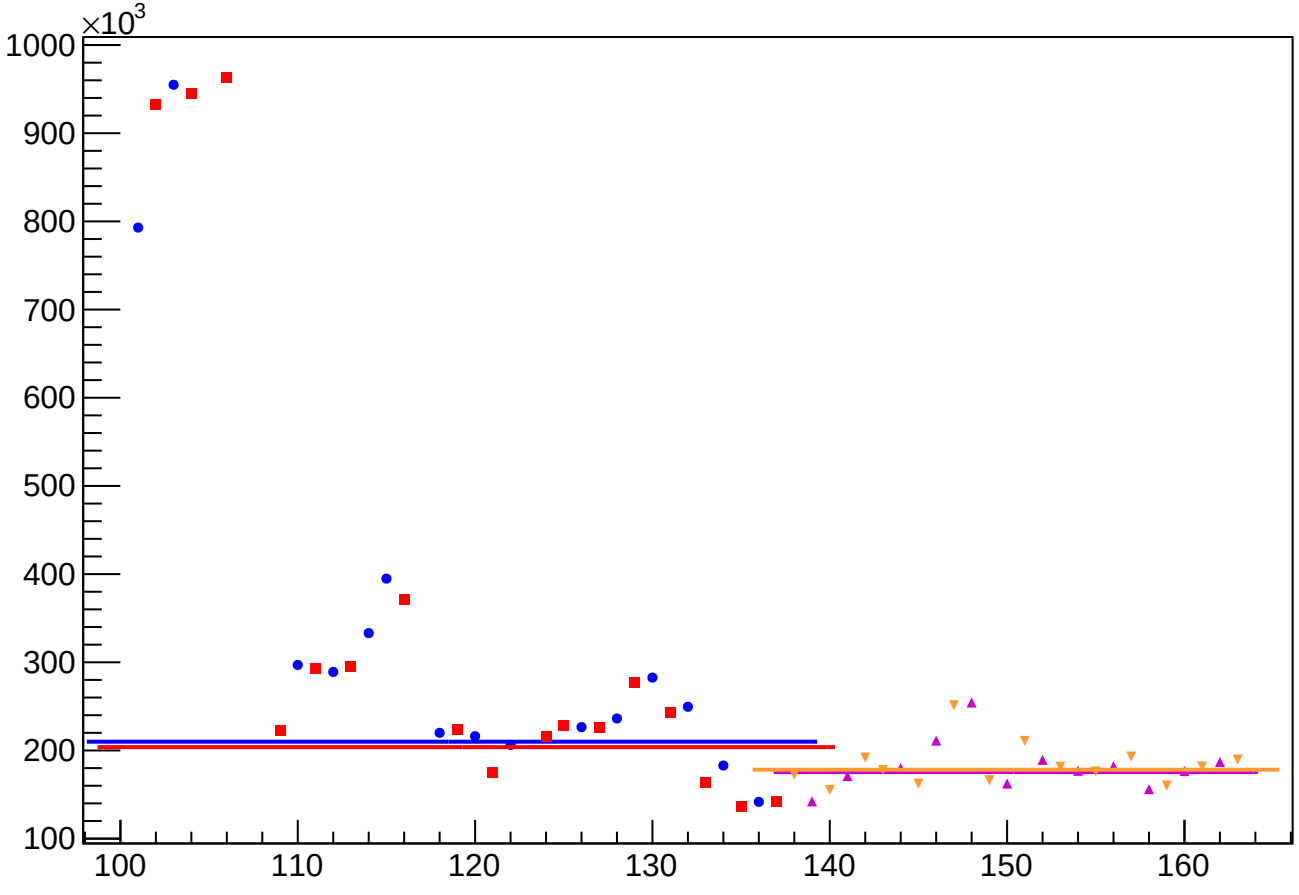
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -58.859+/-46.847 χ^2/NDF:32.5/27

Out: 59.739+/-45.808 χ^2/NDF:35.2/32

All: 1.770+/-32.752 χ^2/NDF: 70.9/60

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178181.933+/-38.047 χ^2/NDF:280903.8/13

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 175512.190+/-39.085 χ^2/NDF:354909.5/11

Left: 176882.974+/-27.263 χ^2/NDF: 638208.9/25

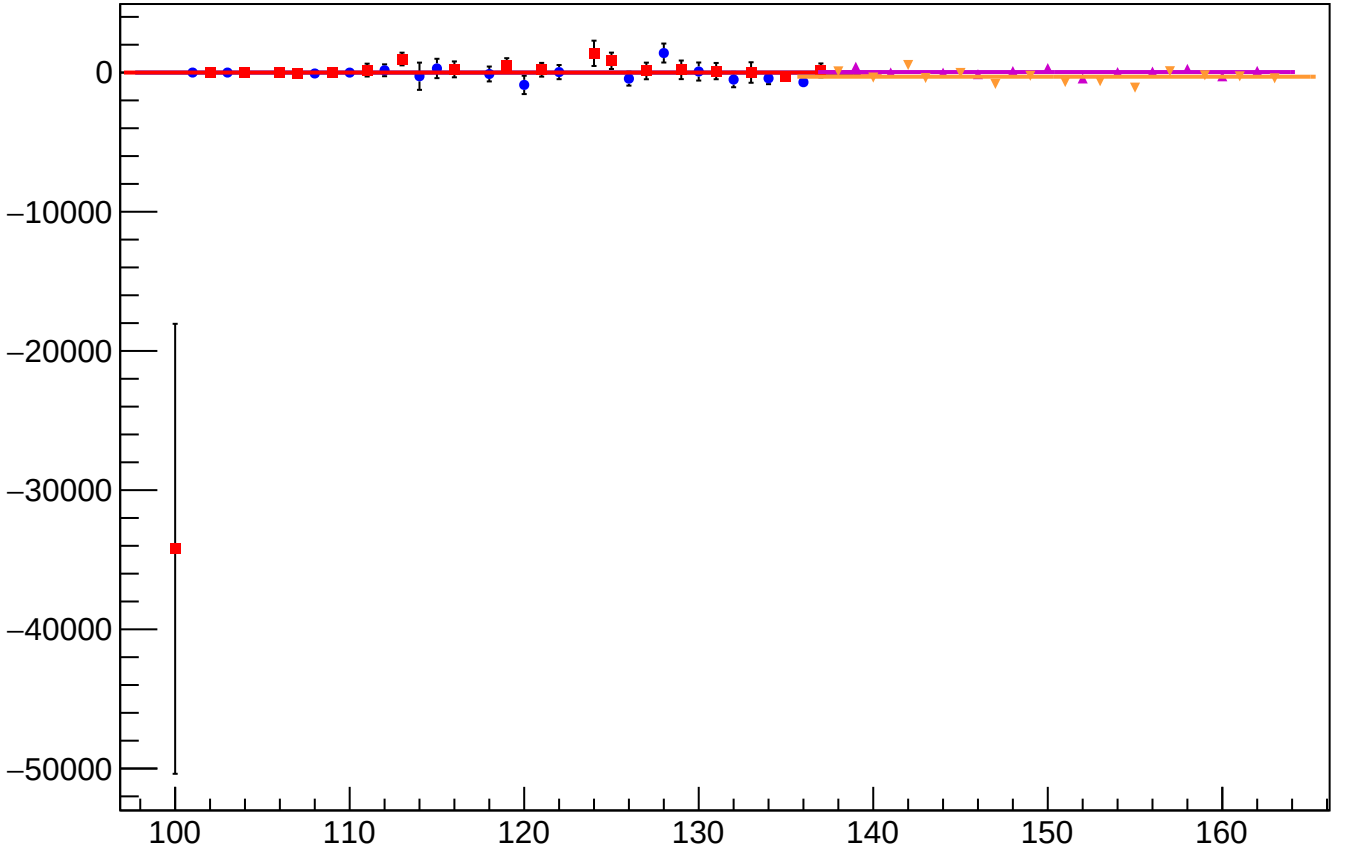
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185182.782+/-33.142 χ^2/NDF:2532682.7/26

Out: 185205.609+/-32.413 χ^2/NDF:2475648.7/30

All: 185194.450+/-23.173 χ^2/NDF: 5008331.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -298.540+/-63.193 χ^2/NDF:31.6/13

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 37.280+/-66.883 χ^2/NDF:10.2/11

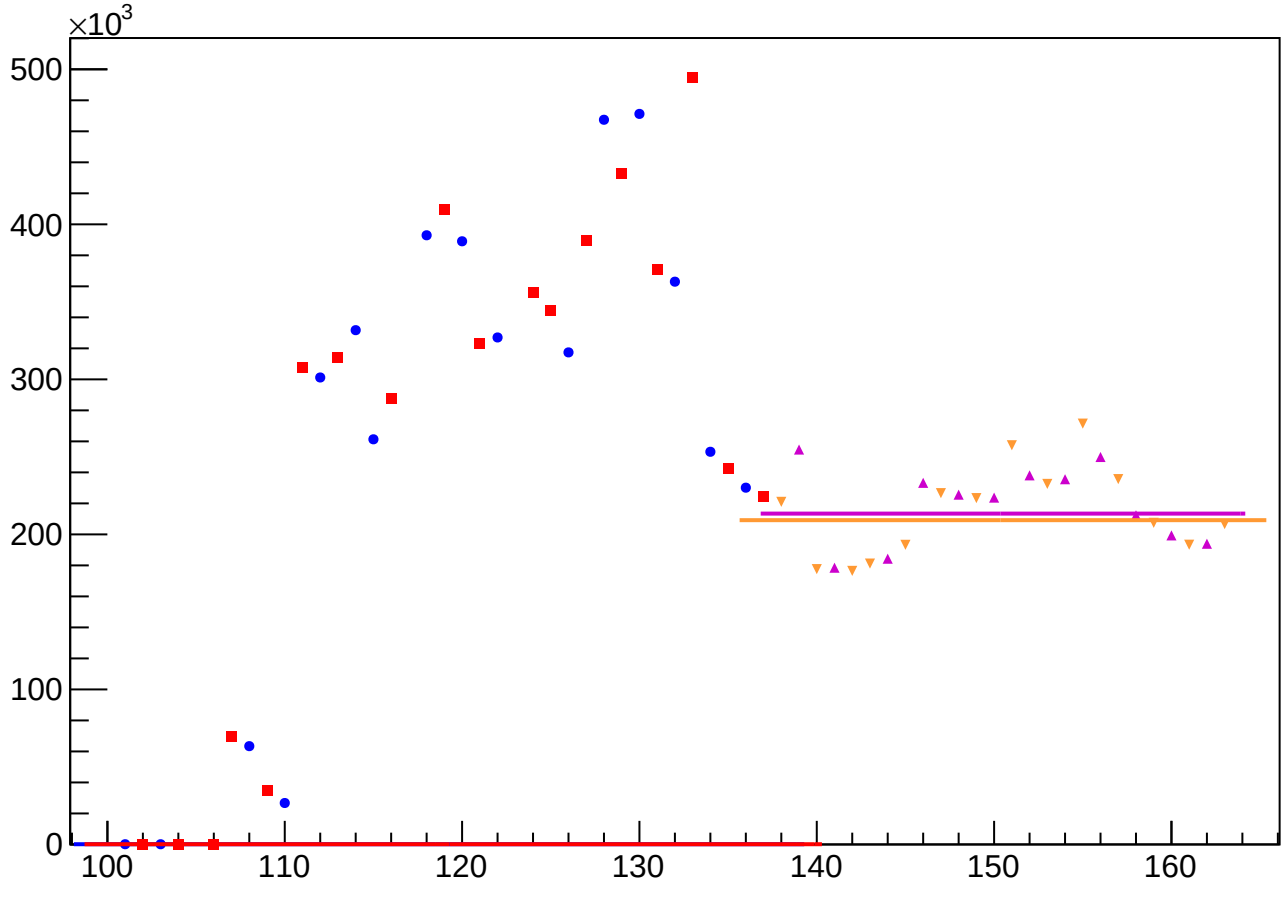
Left: -140.147+/-45.933 χ^2/NDF: 55.1/25

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:28.6/27

Out: 0.353+/-0.160 χ^2/NDF:70.5/32

All: 0.173+/-0.117 χ^2/NDF: 101.8/60



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 209173.257+/-44.684 χ^2/NDF:347304.5/13

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 213414.628+/-47.293 χ^2/NDF:271063.8/11

Left: 211173.743+/-32.480 χ^2/NDF: 622617.7/25

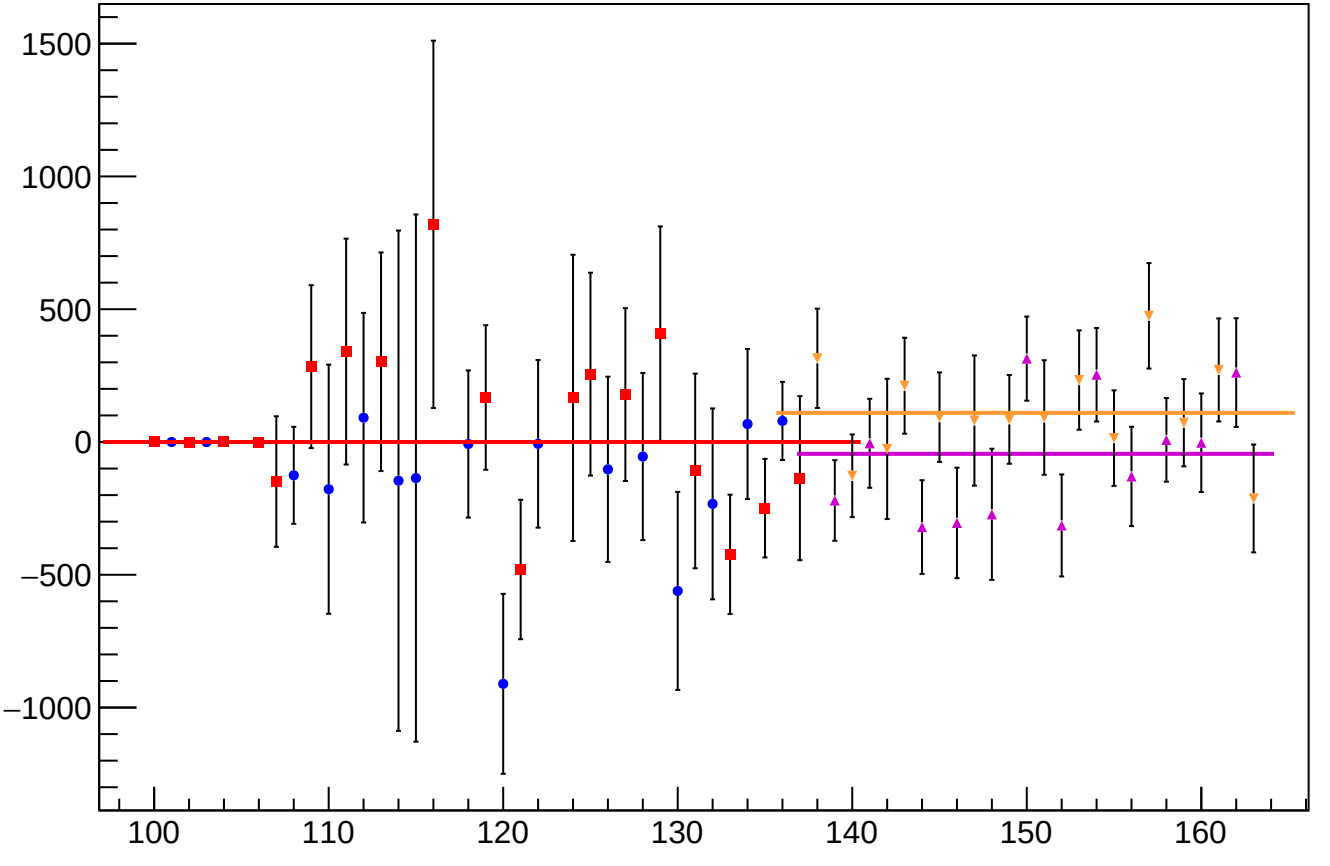
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.507+/-0.122 χ^2/NDF:31907962.6/27

Out: 150.721+/-0.113 χ^2/NDF:33517557.9/31

All: 150.622+/-0.083 χ^2/NDF: 65425522.2/59

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 109.540+/-50.210 χ^2/NDF:11.5/13

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -44.689+/-51.867 χ^2/NDF:18.8/11

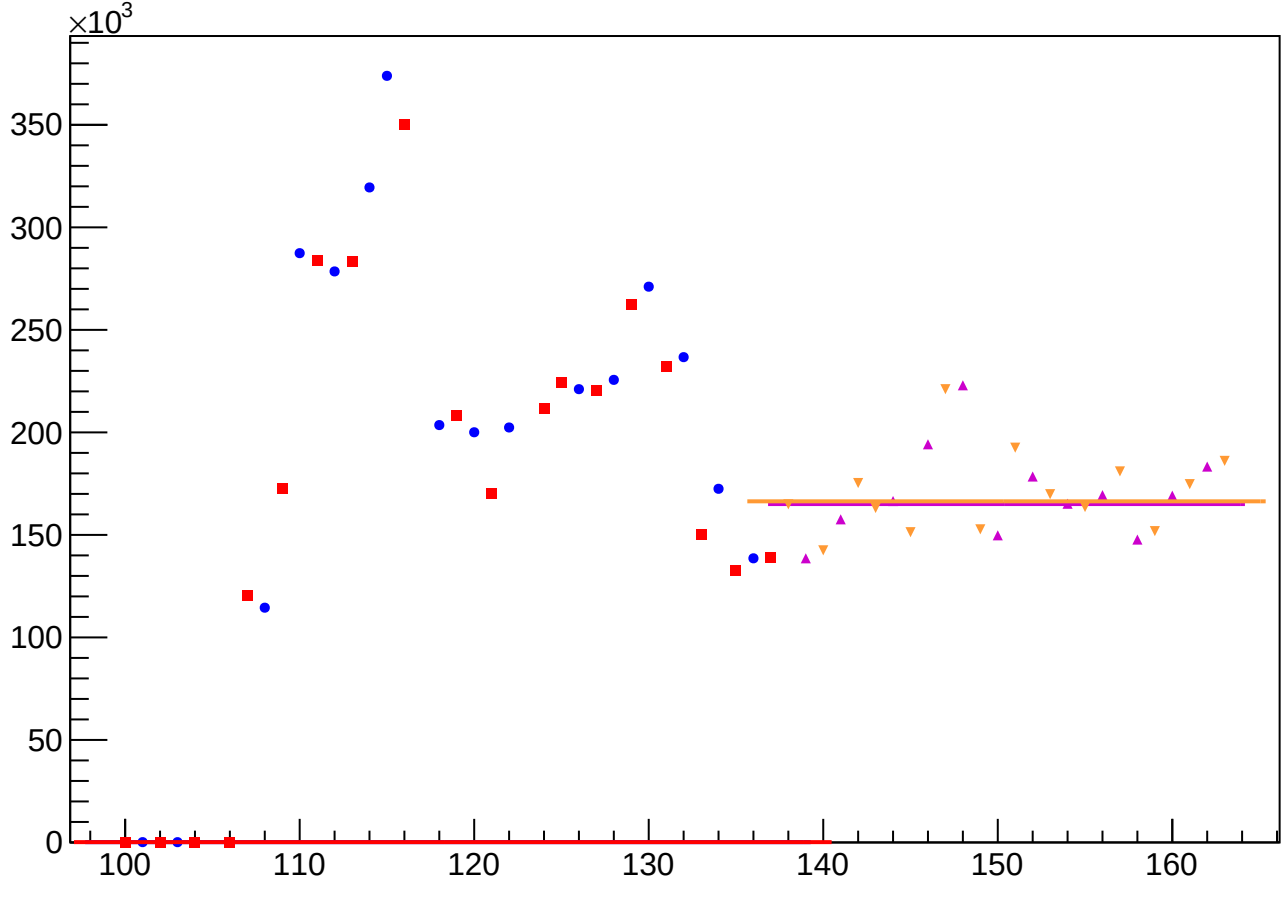
Left: 34.929+/-36.075 χ^2/NDF: 34.9/25

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:30.8/27

Out: -0.125+/-0.166 χ^2/NDF:31.5/32

All: -0.098+/-0.121 χ^2/NDF: 62.4/60



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 166375.920+/-35.504 χ^2/NDF:258787.3/13

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165045.585+/-36.676 χ^2/NDF:284681.9/11

Left: 165732.348+/-25.509 χ^2/NDF: 544148.4/25

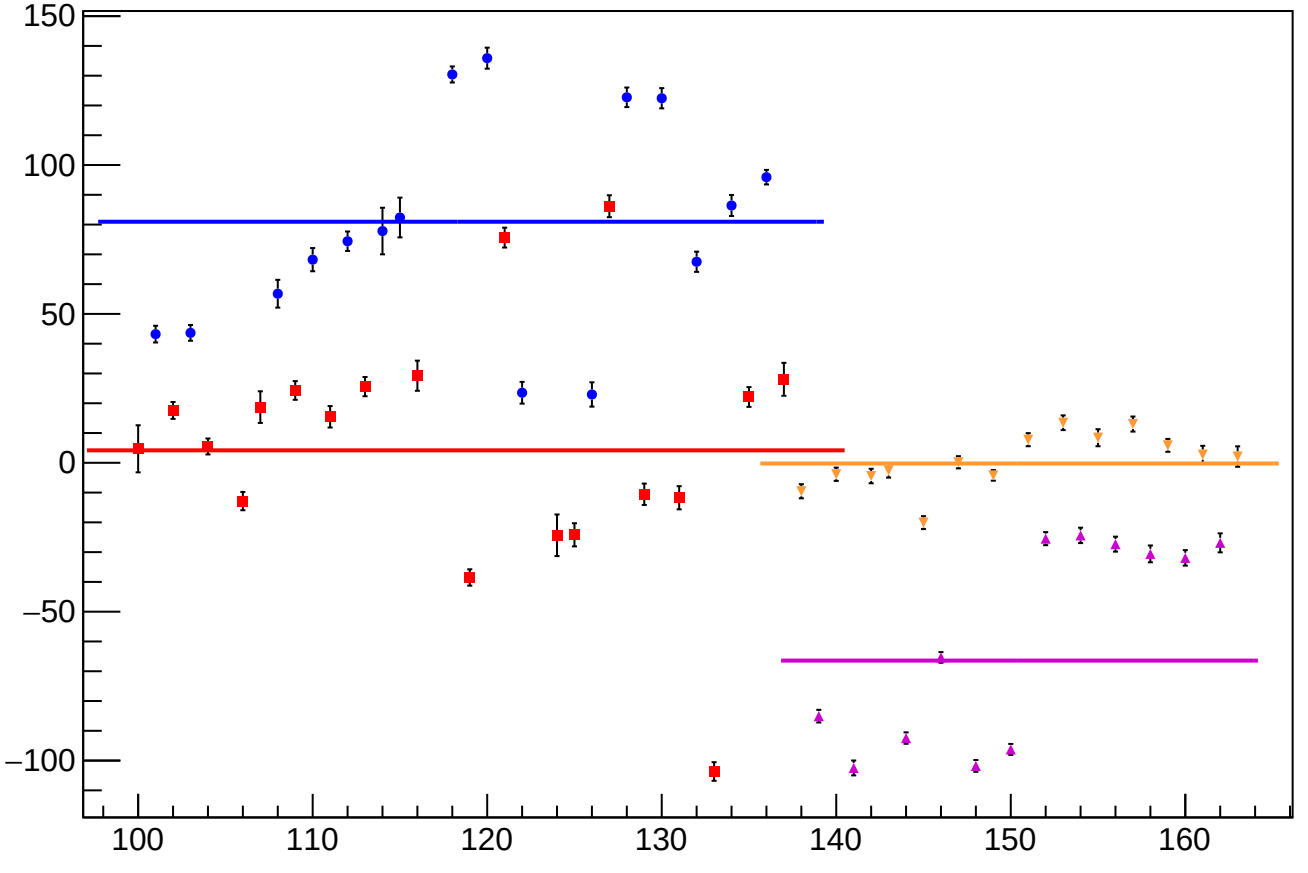
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.385+/-0.125 χ^2/NDF:32402920.9/27

Out: 157.985+/-0.118 χ^2/NDF:33508288.4/32

All: 156.766+/-0.086 χ^2/NDF: 65911437.9/60

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -0.240+/-0.626 χ^2/NDF:200.8/13

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -66.425+/-0.645 χ^2/NDF:2397.7/11

Left: -32.348+/-0.449 χ^2/NDF: 8016.9/25

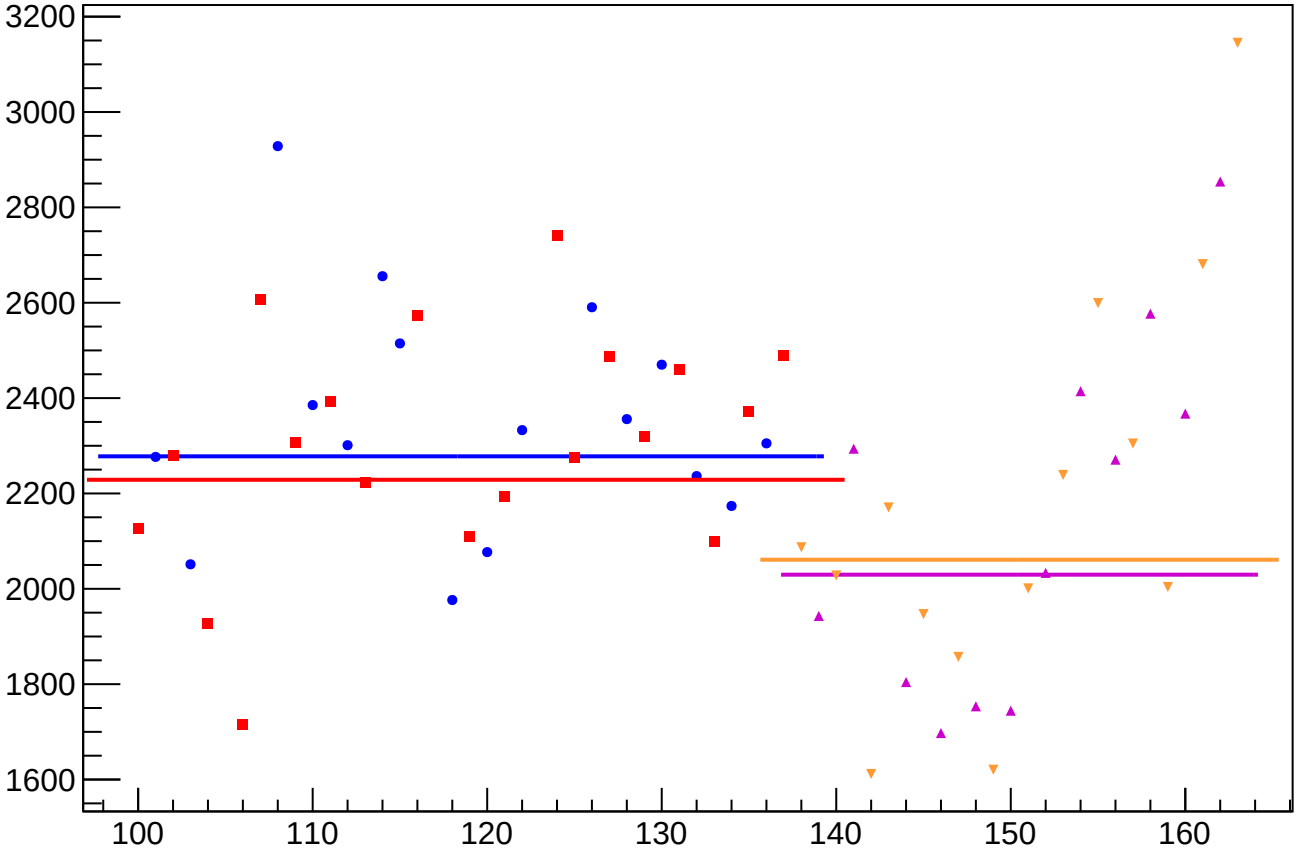
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.670+/-0.514 χ^2/NDF:23244.8/27

Out: 1.389+/-0.498 χ^2/NDF:2938.9/32

All: -5.411+/-0.358 χ^2/NDF: 26569.6/60

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2061.026+/-0.443 χ^2/NDF:610865.5/13

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2029.642+/-0.456 χ^2/NDF:514426.1/11

Left: 2045.801+/-0.318 χ^2/NDF: 1127728.3/25

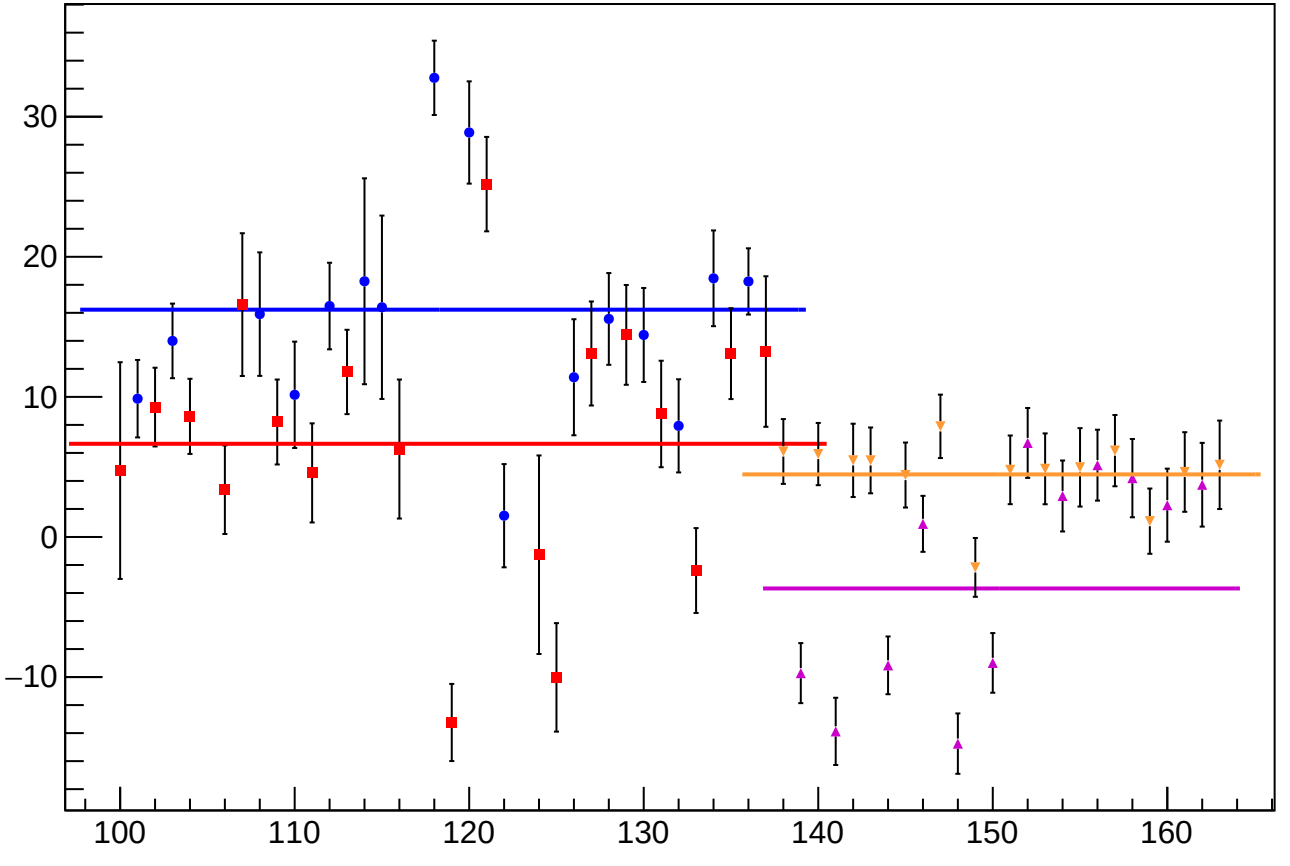
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2120.178+/-0.364 χ^2/NDF:738181.1/27

Out: 2122.782+/-0.352 χ^2/NDF:814803.5/32

All: 2121.522+/-0.253 χ^2/NDF: 1553011.1/60

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.467+/-0.654 χ^2/NDF:16.2/13

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -3.675+/-0.678 χ^2/NDF:126.6/11

Left: 0.546+/-0.471 χ^2/NDF: 217.4/25

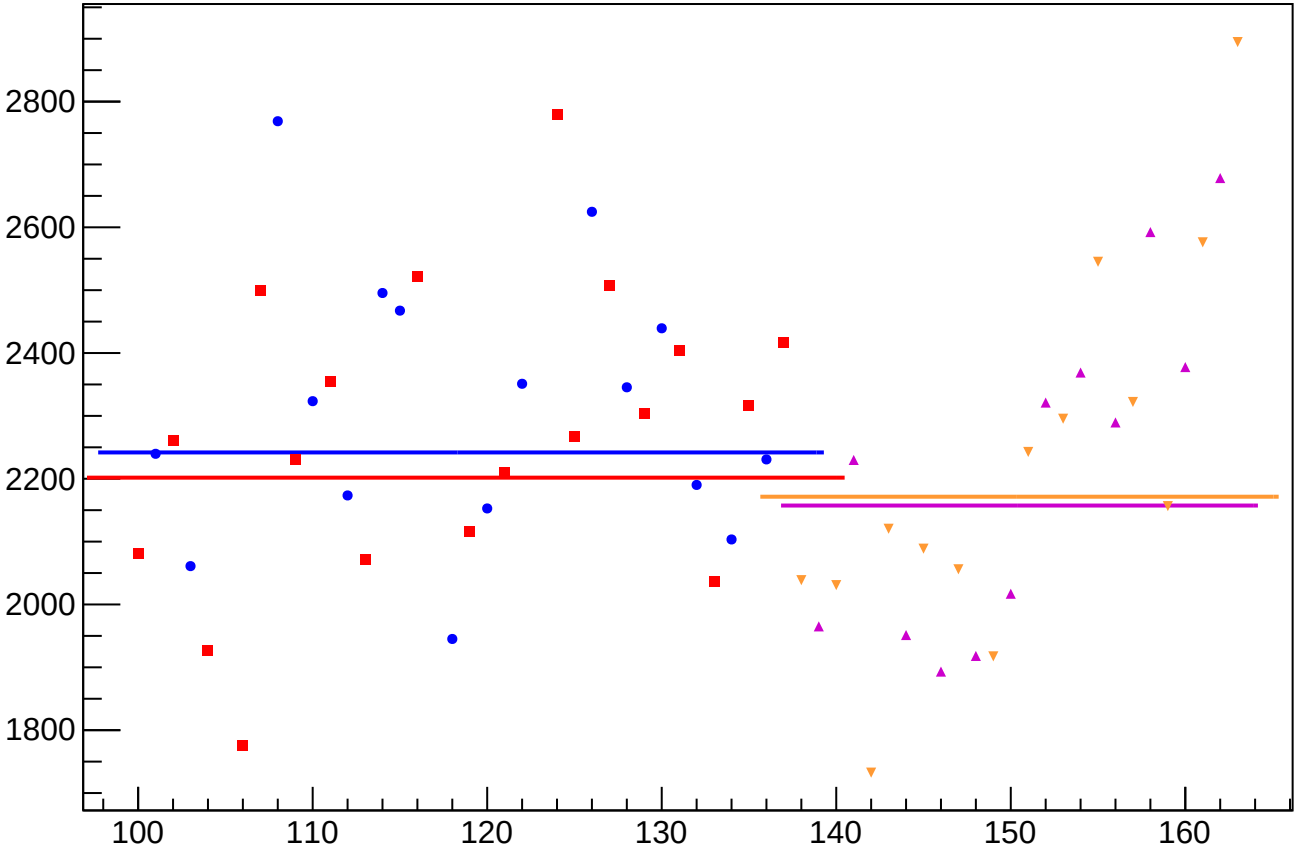
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.209+/-0.527 χ^2/NDF:552.0/27

Out: 5.330+/-0.509 χ^2/NDF:155.1/32

All: 4.790+/-0.366 χ^2/NDF: 709.5/60

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2171.424+/-0.462 χ^2/NDF:303600.6/13

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2157.379+/-0.480 χ^2/NDF:257733.2/11

Left: 2164.659+/-0.333 χ^2/NDF: 561778.2/25

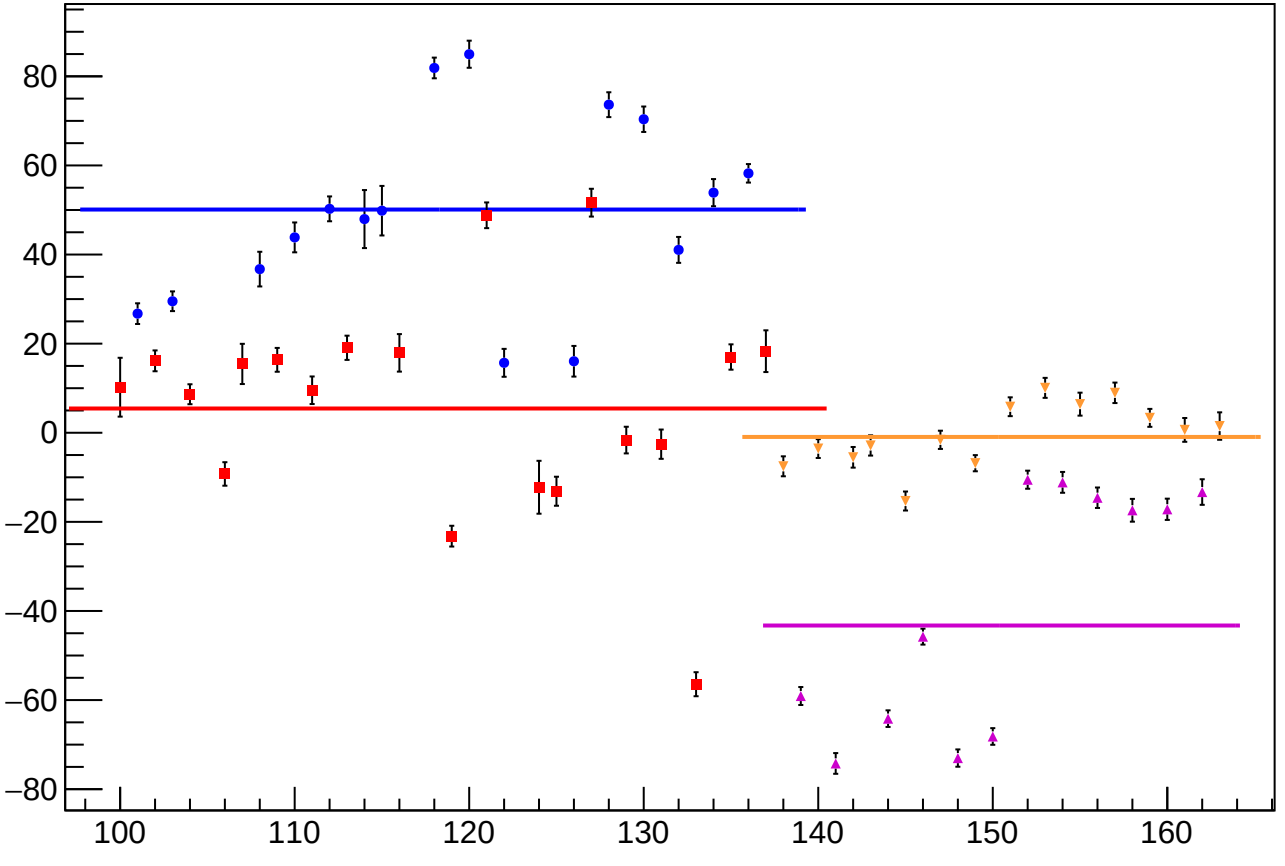
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2190.843+/-0.373 χ^2/NDF:372277.7/27

Out: 2183.399+/-0.360 χ^2/NDF:435180.8/32

All: 2186.988+/-0.259 χ^2/NDF: 807665.0/60

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -0.939+/-0.595 χ^2/NDF:137.6/13

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -43.266+/-0.615 χ^2/NDF:1714.2/11

Left: -21.432+/-0.428 χ^2/NDF: 4298.9/25

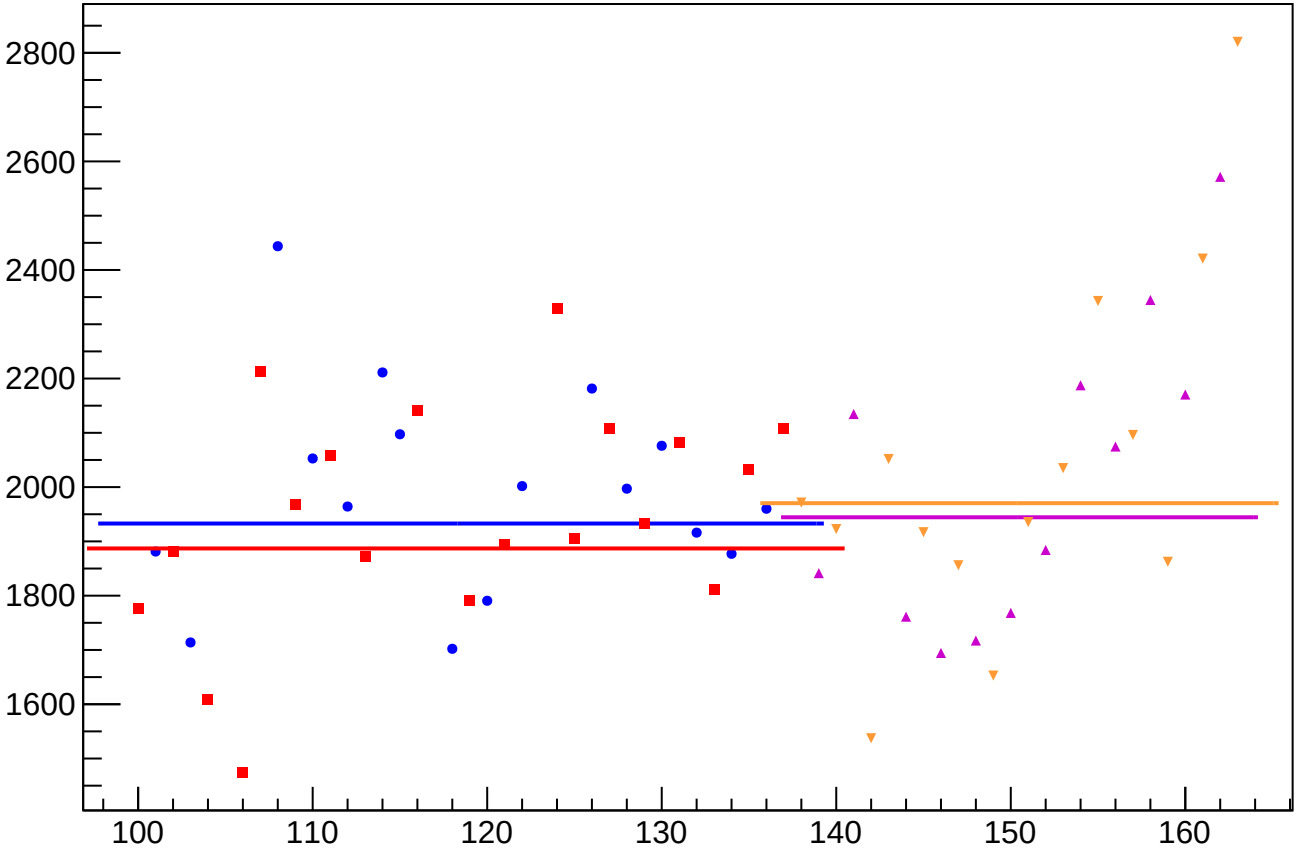
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -4.050+/-0.468 χ^2/NDF:12298.5/27

Out: 1.765+/-0.452 χ^2/NDF:1497.9/32

All: -1.041+/-0.325 χ^2/NDF: 13876.3/60

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1970.400+/-0.421 χ^2/NDF:407080.7/13

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1944.436+/-0.435 χ^2/NDF:314266.7/11

Left: 1957.829+/-0.302 χ^2/NDF: 723189.1/25

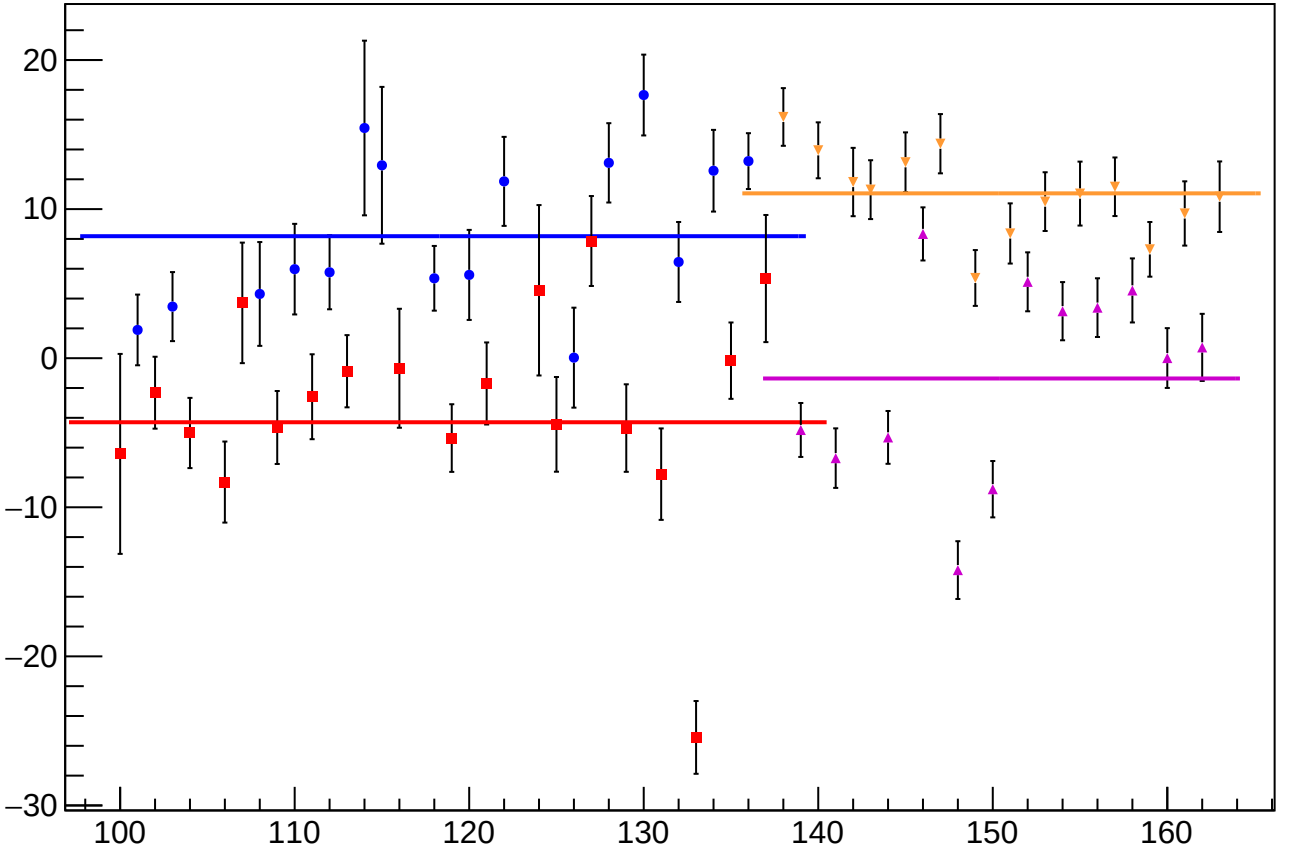
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1939.592+/-0.331 χ^2/NDF:420530.1/27

Out: 1935.061+/-0.320 χ^2/NDF:573455.9/32

All: 1937.248+/-0.230 χ^2/NDF: 994083.0/60

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.057+/-0.538 χ^2/NDF:29.1/13

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -1.361+/-0.561 χ^2/NDF:135.6/11

Left: 5.111+/-0.388 χ^2/NDF: 419.9/25

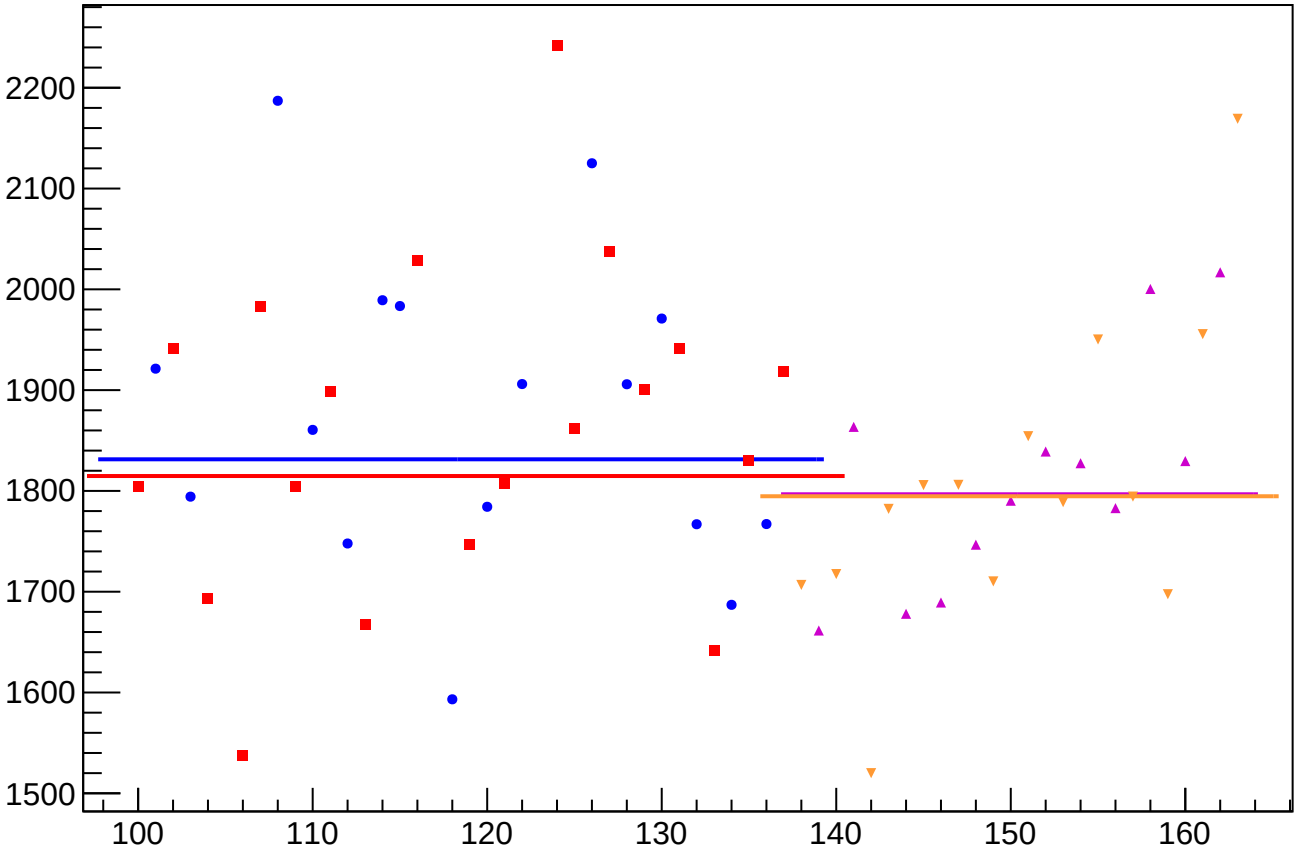
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.482+/-0.434 χ^2/NDF:304.0/27

Out: 4.990+/-0.418 χ^2/NDF:465.0/32

All: 3.781+/-0.301 χ^2/NDF: 786.4/60

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1794.703+/-0.380 χ^2/NDF:119692.8/13

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1796.668+/-0.397 χ^2/NDF:70173.3/11

Left: 1795.644+/-0.275 χ^2/NDF: 189878.8/25

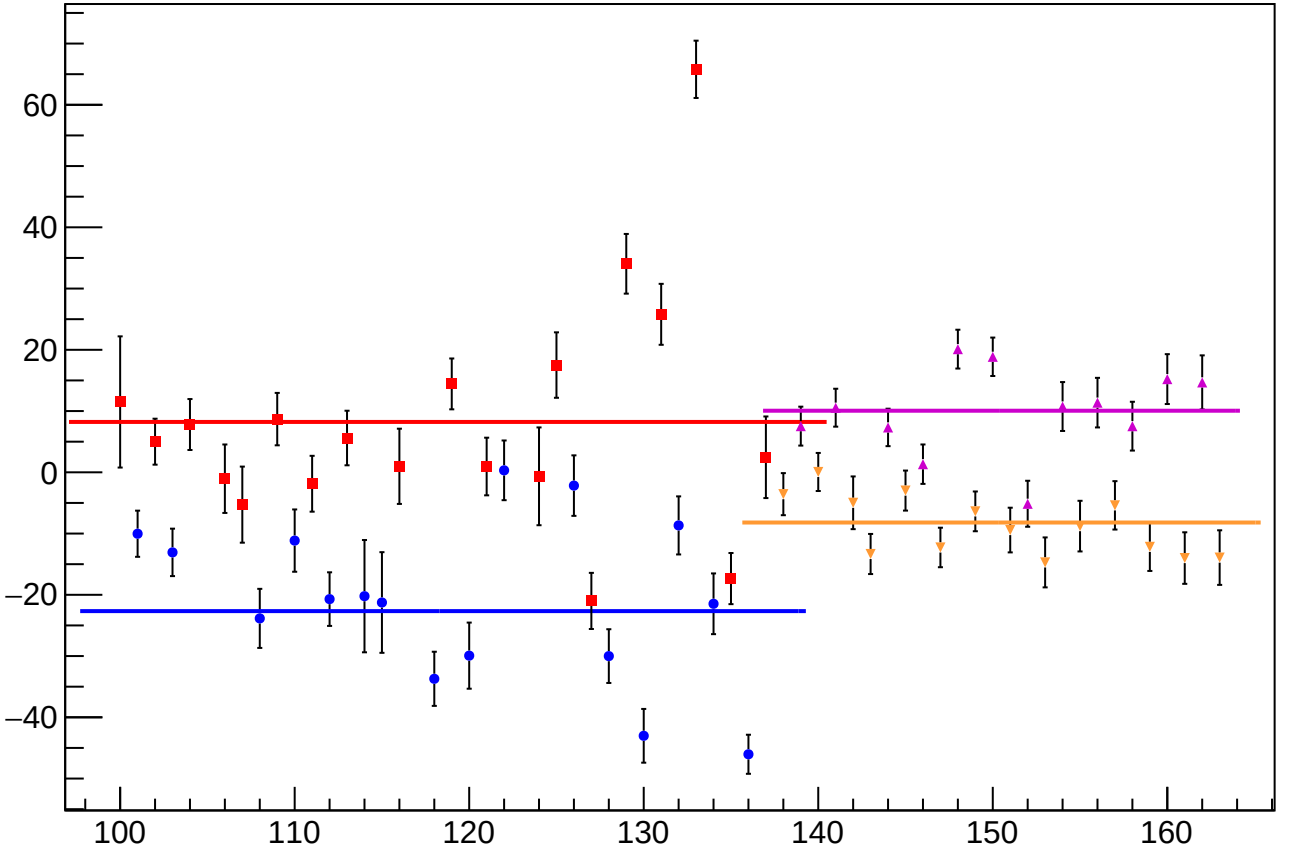
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.636+/-0.307 χ^2/NDF:160169.6/27

Out: 1802.634+/-0.296 χ^2/NDF:211531.8/32

All: 1806.490+/-0.213 χ^2/NDF: 372054.1/60

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -8.198+/-0.976 χ^2/NDF:24.1/13

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 10.055+/-1.011 χ^2/NDF:46.4/11

Left: 0.604+/-0.702 χ^2/NDF: 239.1/25

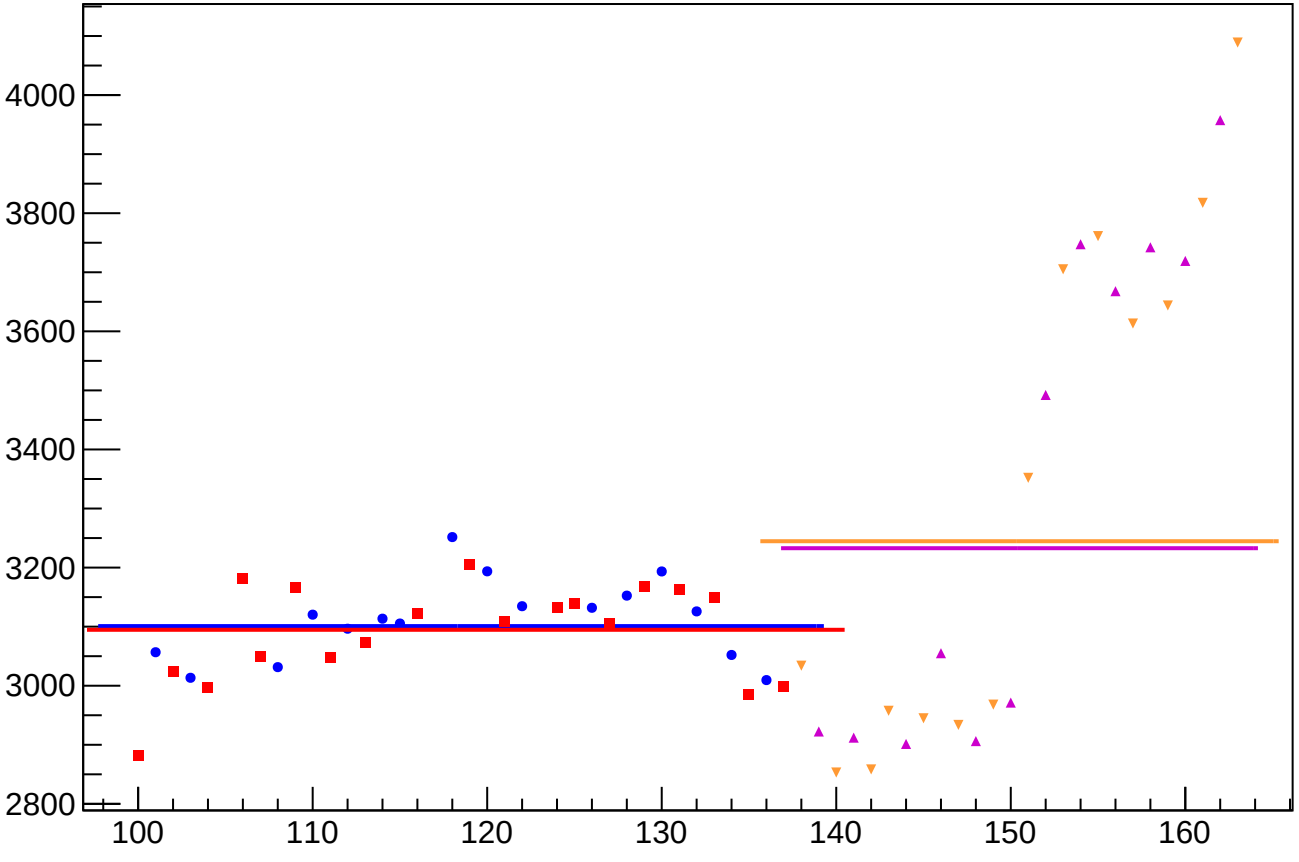
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -4.189+/-0.760 χ^2/NDF:659.0/27

Out: -1.172+/-0.738 χ^2/NDF:440.0/32

All: -2.637+/-0.530 χ^2/NDF: 1107.2/60

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3244.640+/-0.690 χ^2/NDF:326037.4/13

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3232.814+/-0.715 χ^2/NDF:286310.8/11

Left: 3238.937+/-0.497 χ^2/NDF: 612489.8/25

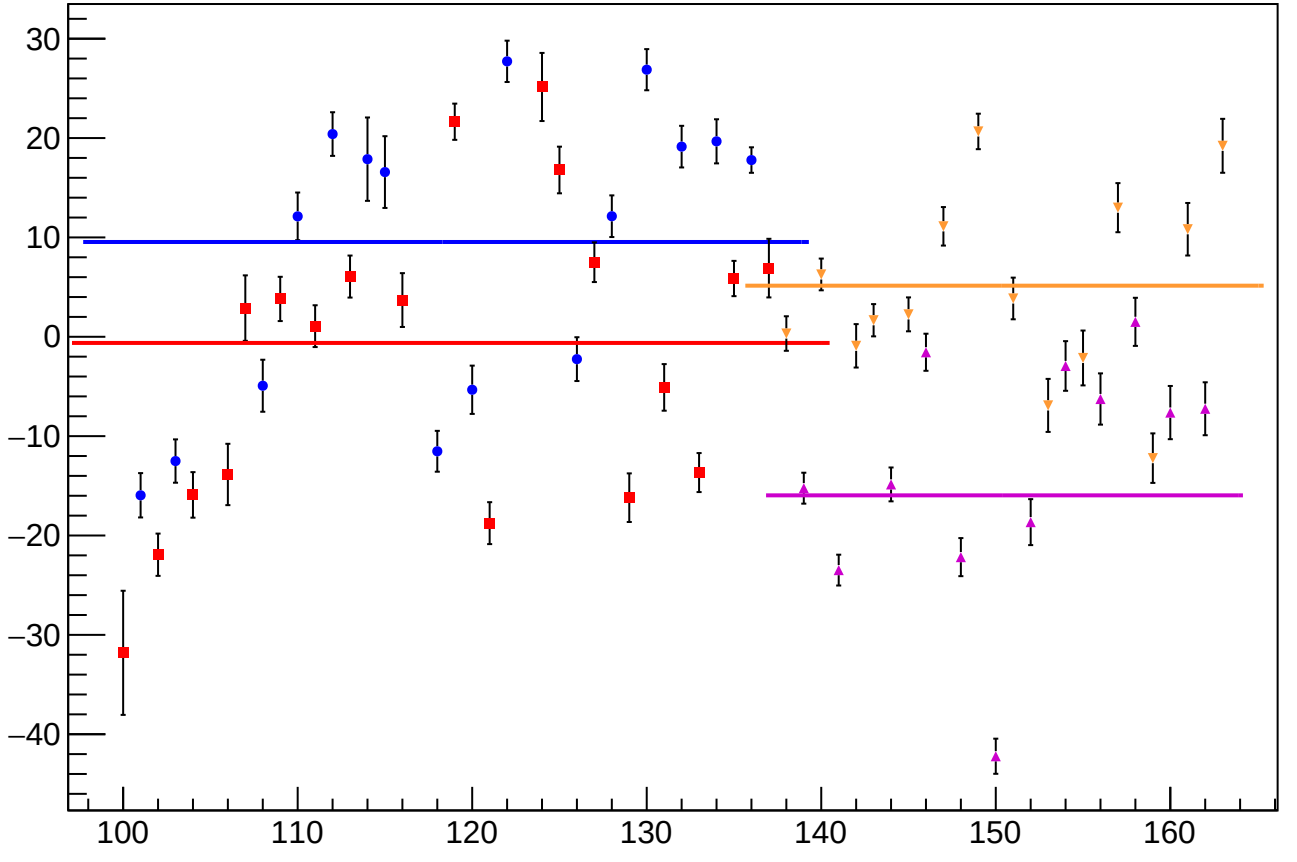
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3175.403+/-0.537 χ^2/NDF:309004.9/27

Out: 3180.484+/-0.522 χ^2/NDF:354815.3/32

All: 3178.017+/-0.374 χ^2/NDF: 663866.2/60

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.143+/-0.547 χ^2/NDF:226.2/13

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -15.959+/-0.577 χ^2/NDF:430.0/11

Left: -4.847+/-0.397 χ^2/NDF: 1359.8/25

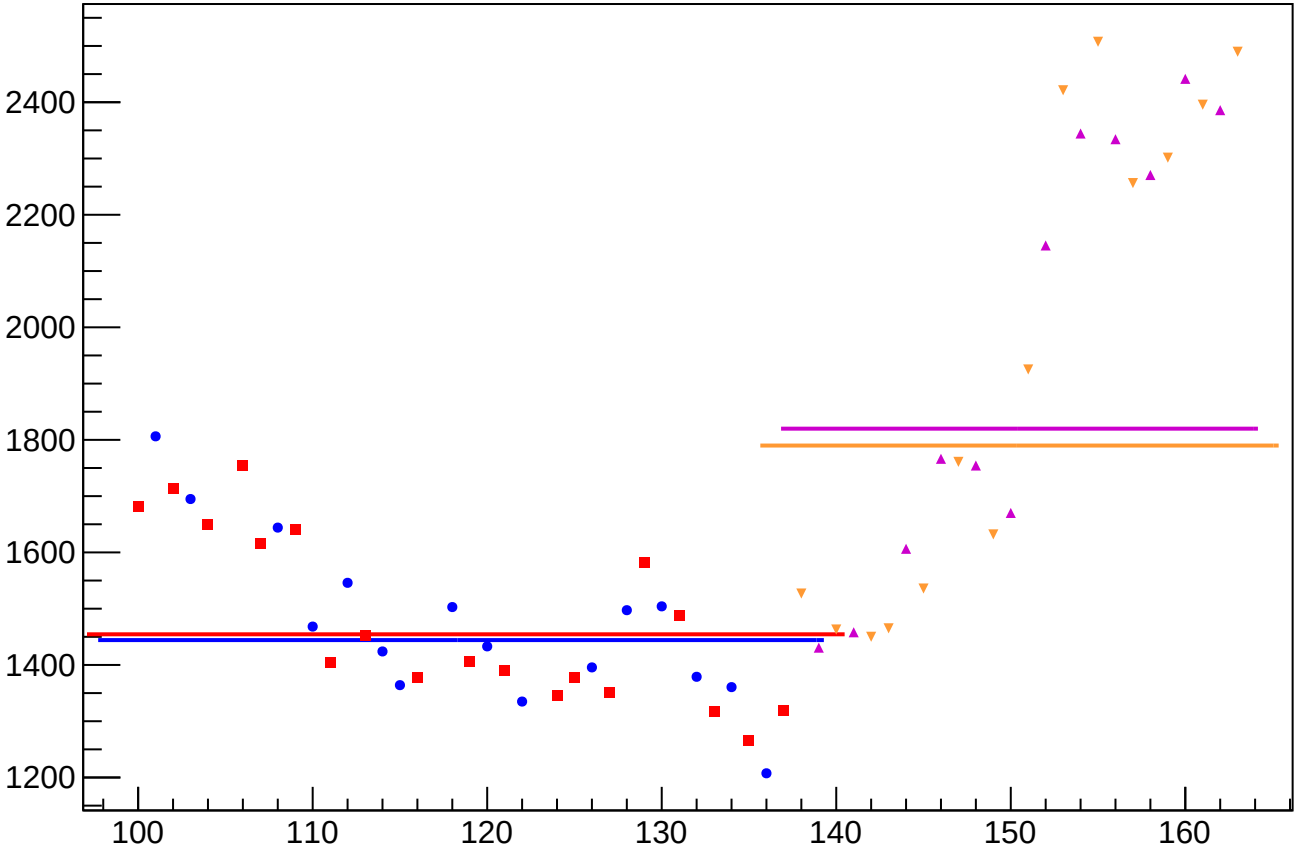
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.390+/-0.395 χ^2/NDF:2167.0/27

Out: 2.191+/-0.382 χ^2/NDF:948.8/32

All: -0.025+/-0.275 χ^2/NDF: 3185.3/60

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1789.900+/-0.387 χ^2/NDF:967353.9/13

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1819.906+/-0.408 χ^2/NDF:758235.2/11

Left: 1804.105+/-0.281 χ^2/NDF: 1728434.5/25

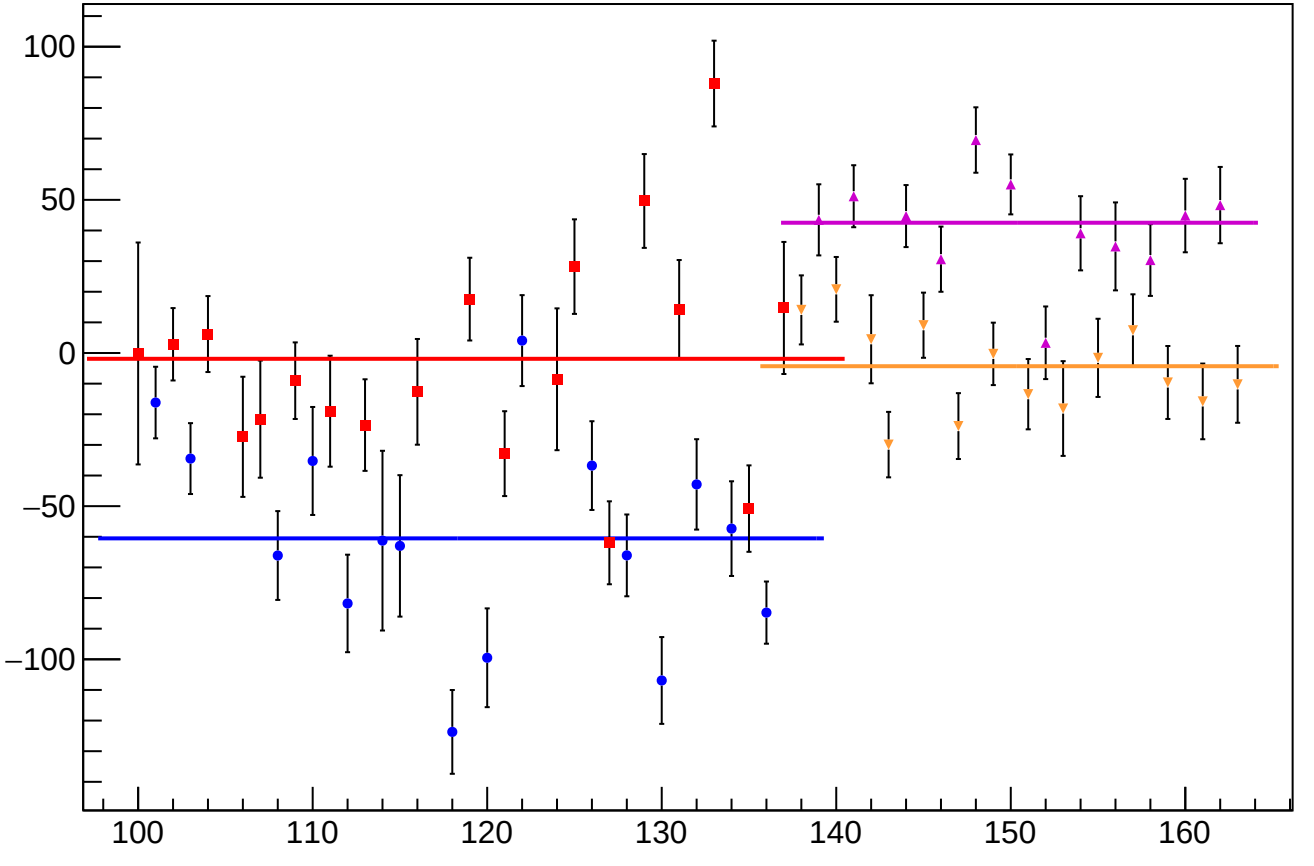
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1619.974+/-0.279 χ^2/NDF:1389199.7/27

Out: 1618.078+/-0.270 χ^2/NDF:1494875.2/32

All: 1618.995+/-0.194 χ^2/NDF: 2884098.7/60

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -4.311+/-3.121 χ^2/NDF:23.2/13

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 42.529+/-3.254 χ^2/NDF:22.7/11

Left: 18.136+/-2.252 χ^2/NDF: 153.8/25

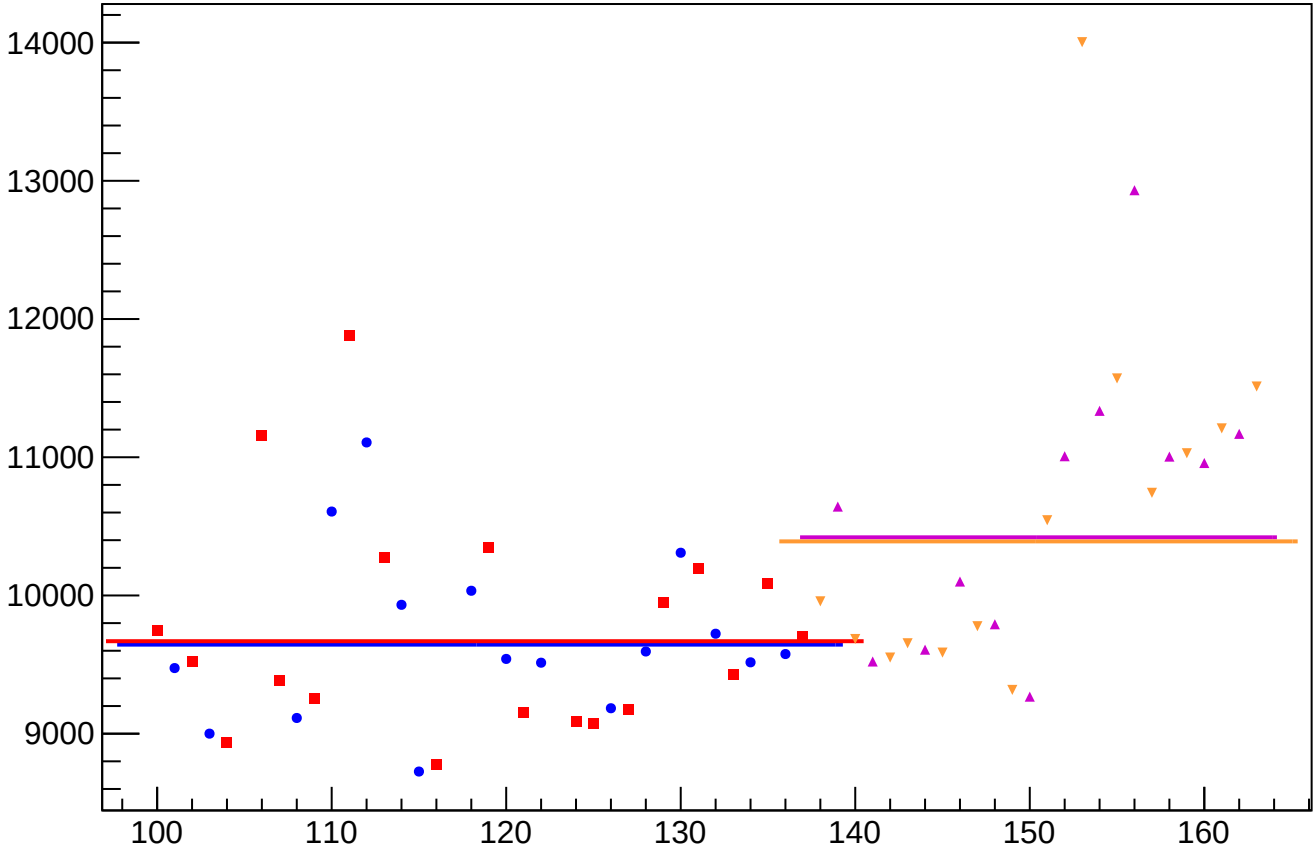
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -3.853+/-2.413 χ^2/NDF:564.5/27

Out: -3.255+/-2.342 χ^2/NDF:127.3/32

All: -3.545+/-1.680 χ^2/NDF: 691.9/60

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10391.246+/-2.207 χ^2/NDF:227196.1/13

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10420.541+/-2.301 χ^2/NDF:159595.1/11

Left: 10405.285+/-1.593 χ^2/NDF: 386875.7/25

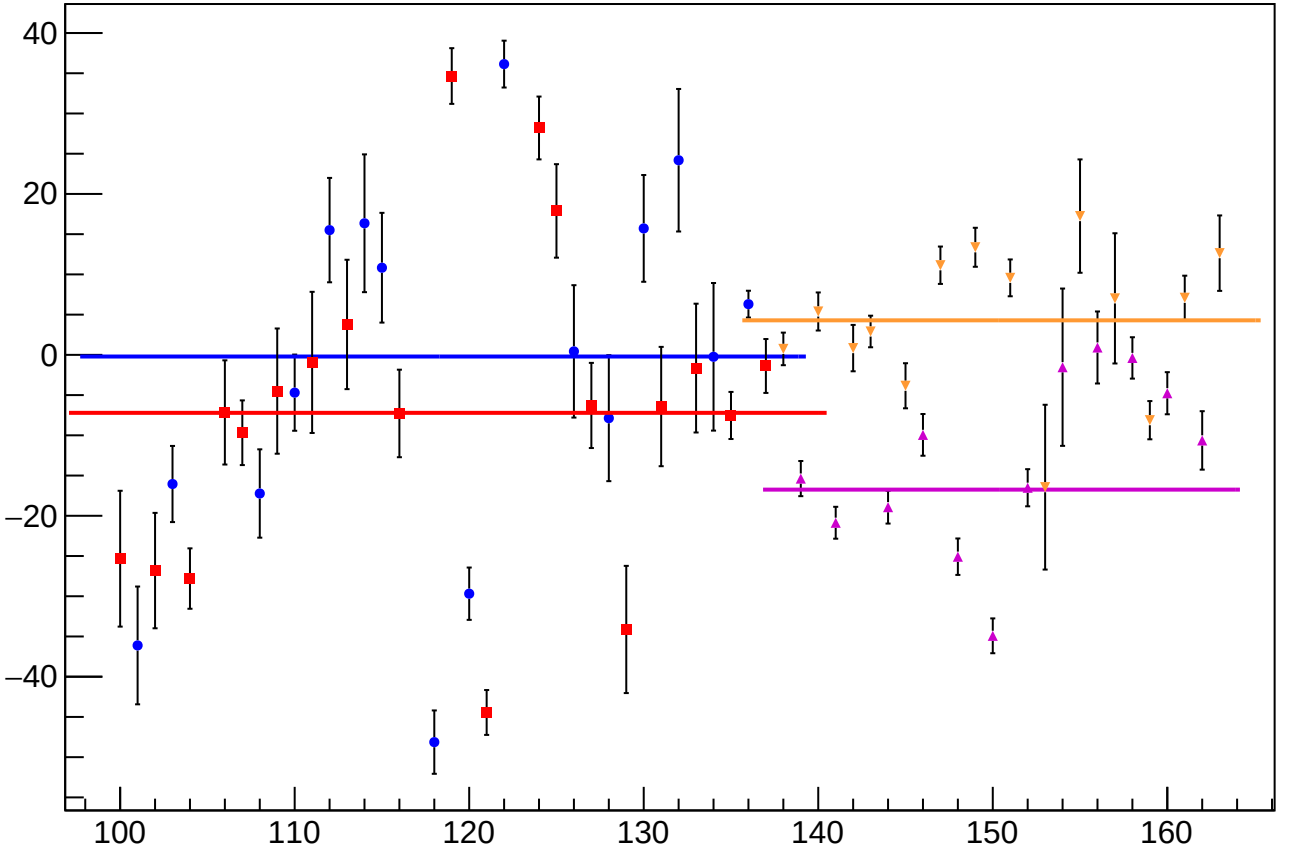
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10071.185+/-1.706 χ^2/NDF:254922.2/27

Out: 10075.704+/-1.656 χ^2/NDF:353854.8/32

All: 10073.512+/-1.188 χ^2/NDF: 608780.6/60

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 4.291+/-0.730 χ^2/NDF:80.8/13

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -16.749+/-0.729 χ^2/NDF:179.0/11

Left: -6.247+/-0.516 χ^2/NDF: 675.8/25

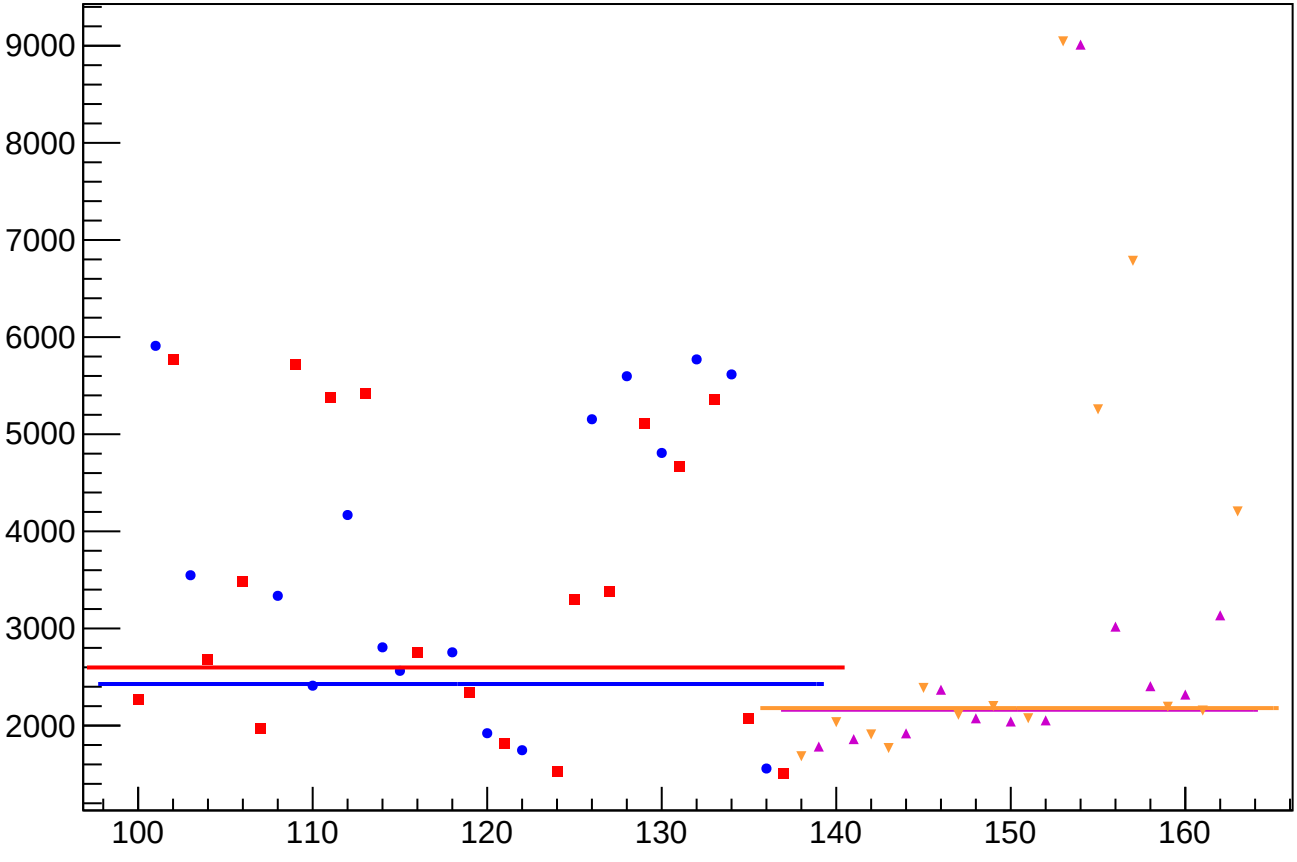
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -11.338+/-0.598 χ^2/NDF:821.3/27

Out: 0.656+/-0.604 χ^2/NDF:644.8/32

All: -5.399+/-0.425 χ^2/NDF: 1665.4/60

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2180.058+/-0.516 χ^2/NDF:2551537.2/13

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2163.193+/-0.515 χ^2/NDF:1384316.7/11

Left: 2171.611+/-0.365 χ^2/NDF: 3936388.5/25

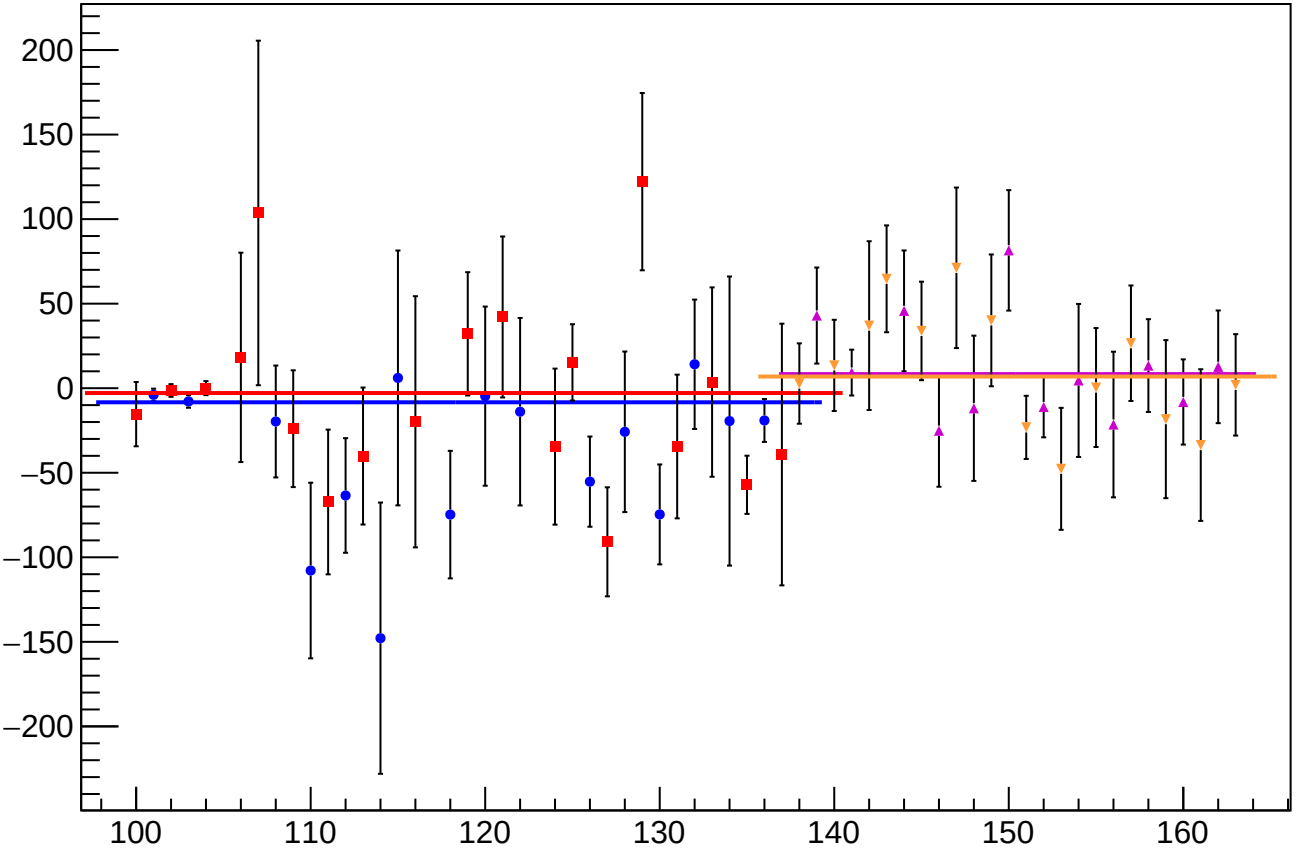
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2249.834+/-0.423 χ^2/NDF:4286066.1/27

Out: 2312.300+/-0.427 χ^2/NDF:5274044.0/32

All: 2280.763+/-0.300 χ^2/NDF: 9570920.9/60

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 6.913+/-8.393 χ^2/NDF:13.6/13

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 8.330+/-7.529 χ^2/NDF:10.2/11

Left: 7.698+/-5.604 χ^2/NDF: 23.8/25

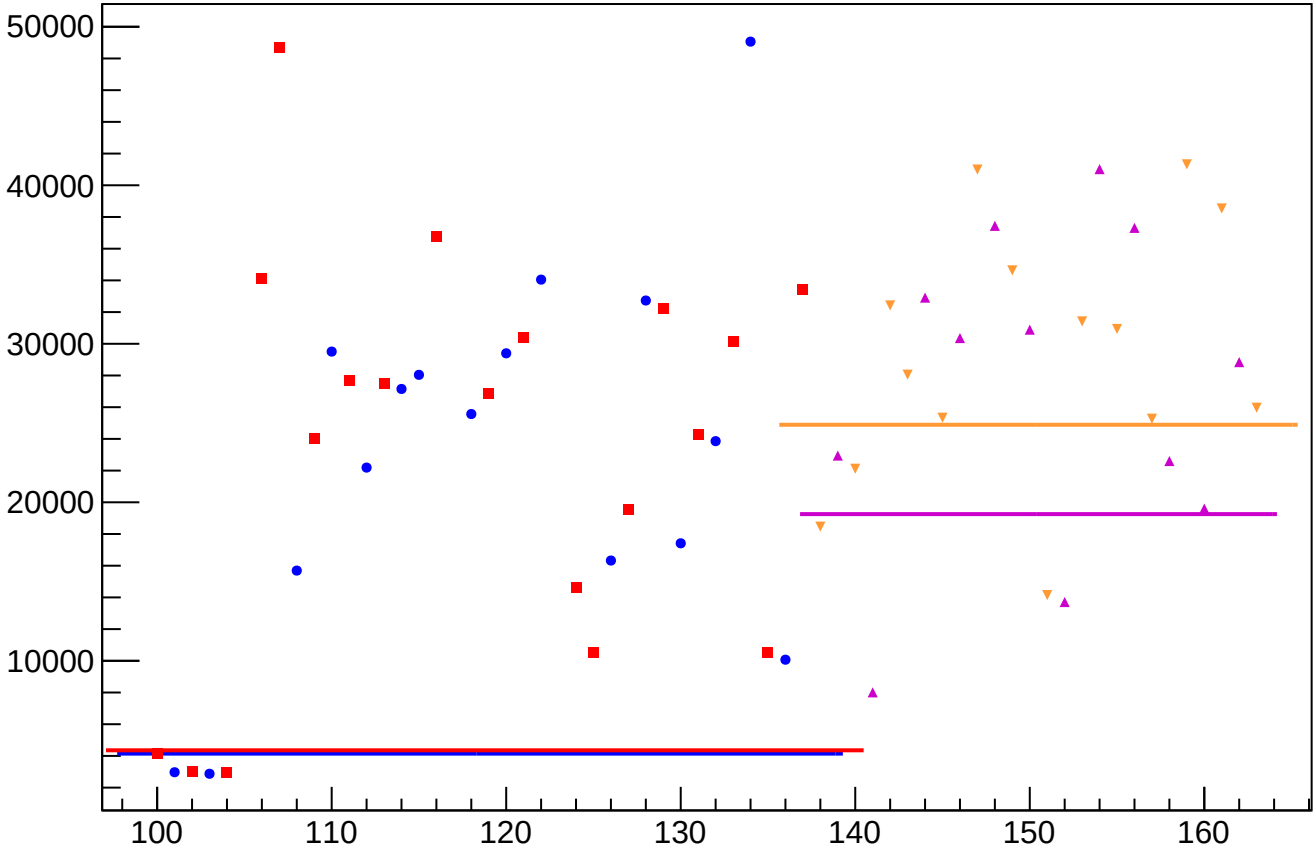
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.679+/-2.372 χ^2/NDF:38.0/27

Out: -1.969+/-2.518 χ^2/NDF:47.5/32

All: -4.464+/-1.727 χ^2/NDF: 87.3/60

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 24890.396+/-5.935 χ^2/NDF:1810144.4/13

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 19255.078+/-5.324 χ^2/NDF:3700823.5/11

Left: 21767.881+/-3.963 χ^2/NDF: 6010564.5/25

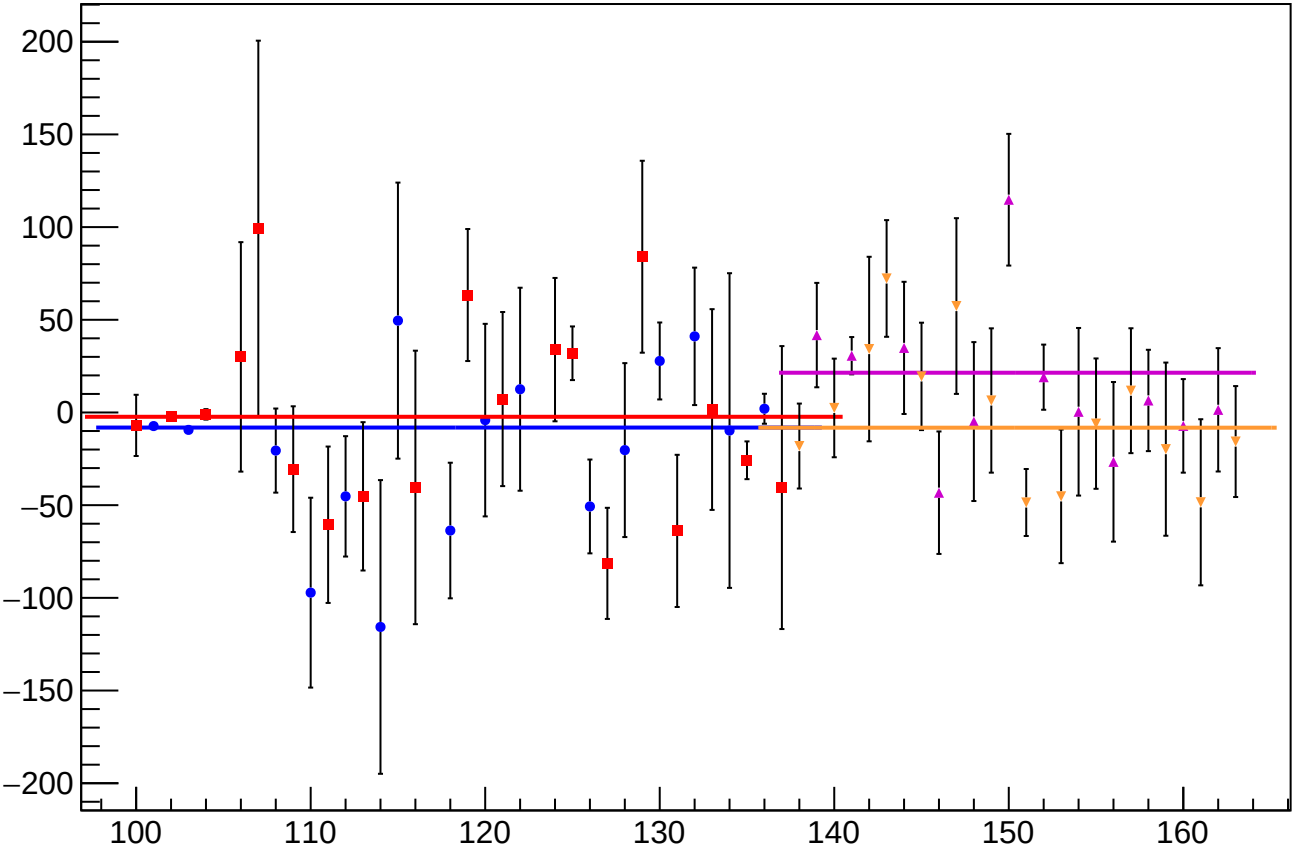
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5645.542+/-1.677 χ^2/NDF:17792646.4/27

Out: 6202.789+/-1.780 χ^2/NDF:20330859.1/32

All: 5907.555+/-1.221 χ^2/NDF: 38175402.2/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -8.207+/-8.269 χ^2/NDF:17.9/13

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 21.442+/-6.704 χ^2/NDF:16.0/11

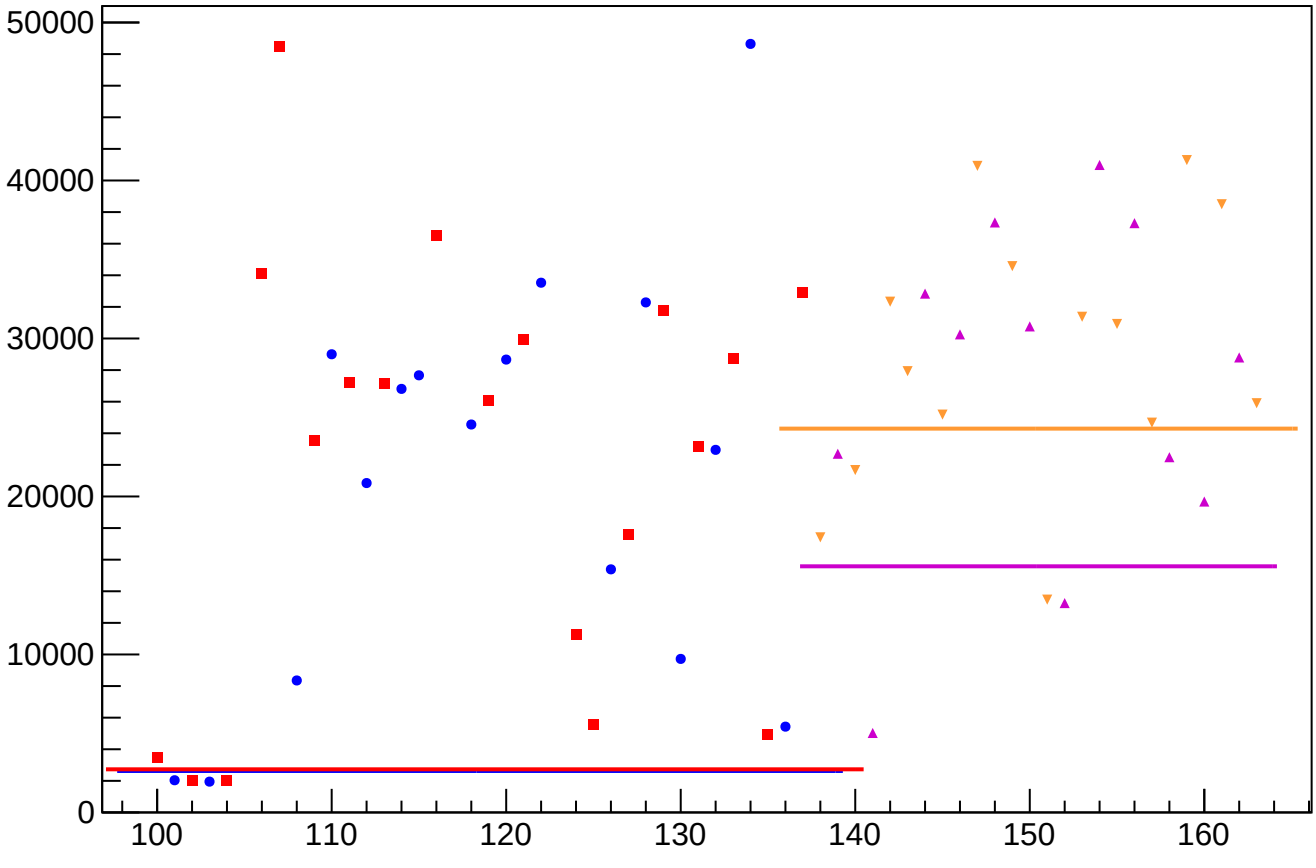
Left: 9.684+/-5.207 χ^2/NDF: 41.7/25

Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.305+/-1.666 χ^2/NDF:53.4/27

Out: -2.597+/-1.779 χ^2/NDF:51.5/32

All: -4.572+/-1.216 χ^2/NDF: 107.2/60



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 24294.579+/-5.847 χ^2/NDF:2003931.2/13

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 15579.445+/-4.740 χ^2/NDF:5741914.7/11

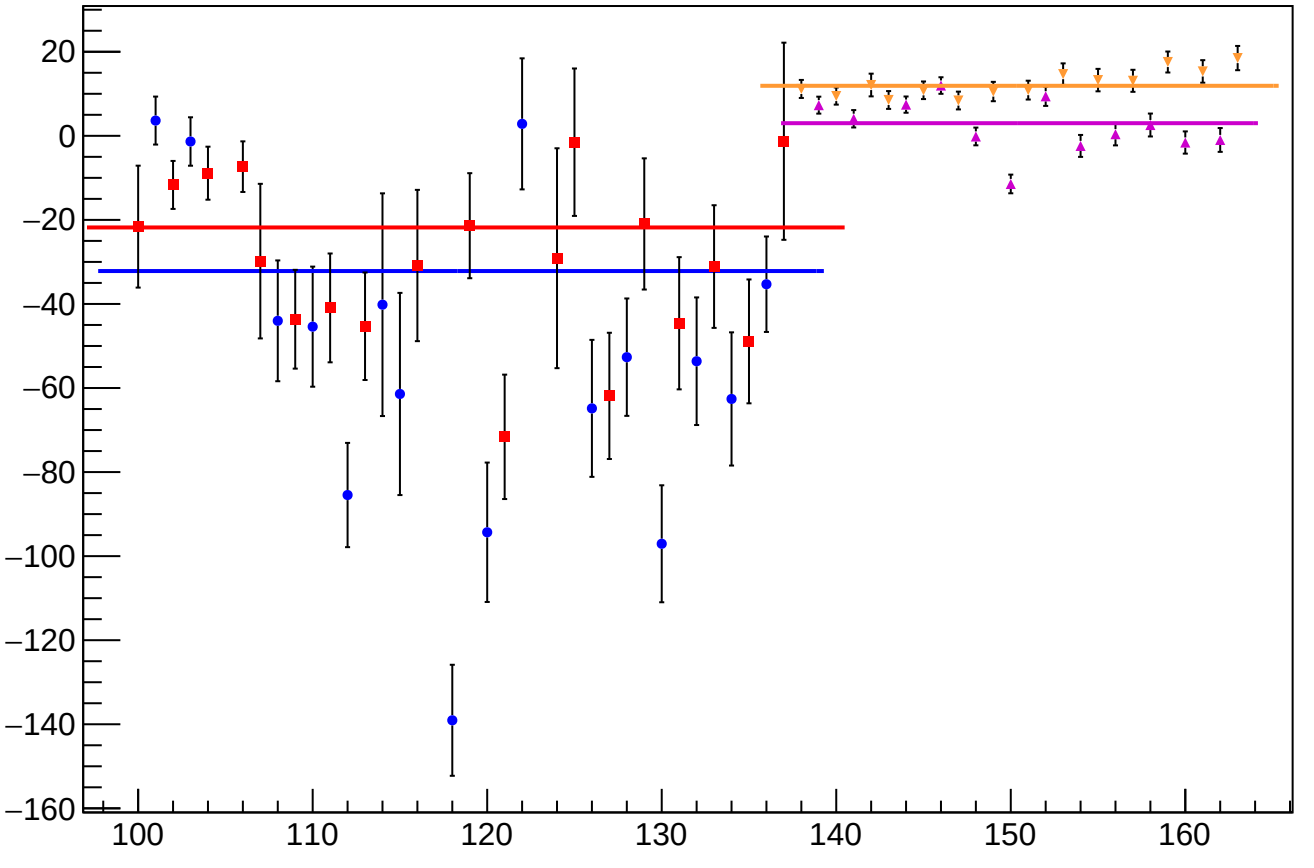
Left: 19035.504+/-3.682 χ^2/NDF: 9086350.9/25

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3426.830+/-1.178 χ^2/NDF:19528536.5/27

Out: 3728.270+/-1.258 χ^2/NDF:22961037.9/32

All: 3567.708+/-0.860 χ^2/NDF: 42520160.2/6



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 11.902+/-0.631 χ^2/NDF:21.3/13

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.007+/-0.658 χ^2/NDF:93.4/11

Left: 7.640+/-0.455 χ^2/NDF: 210.0/25

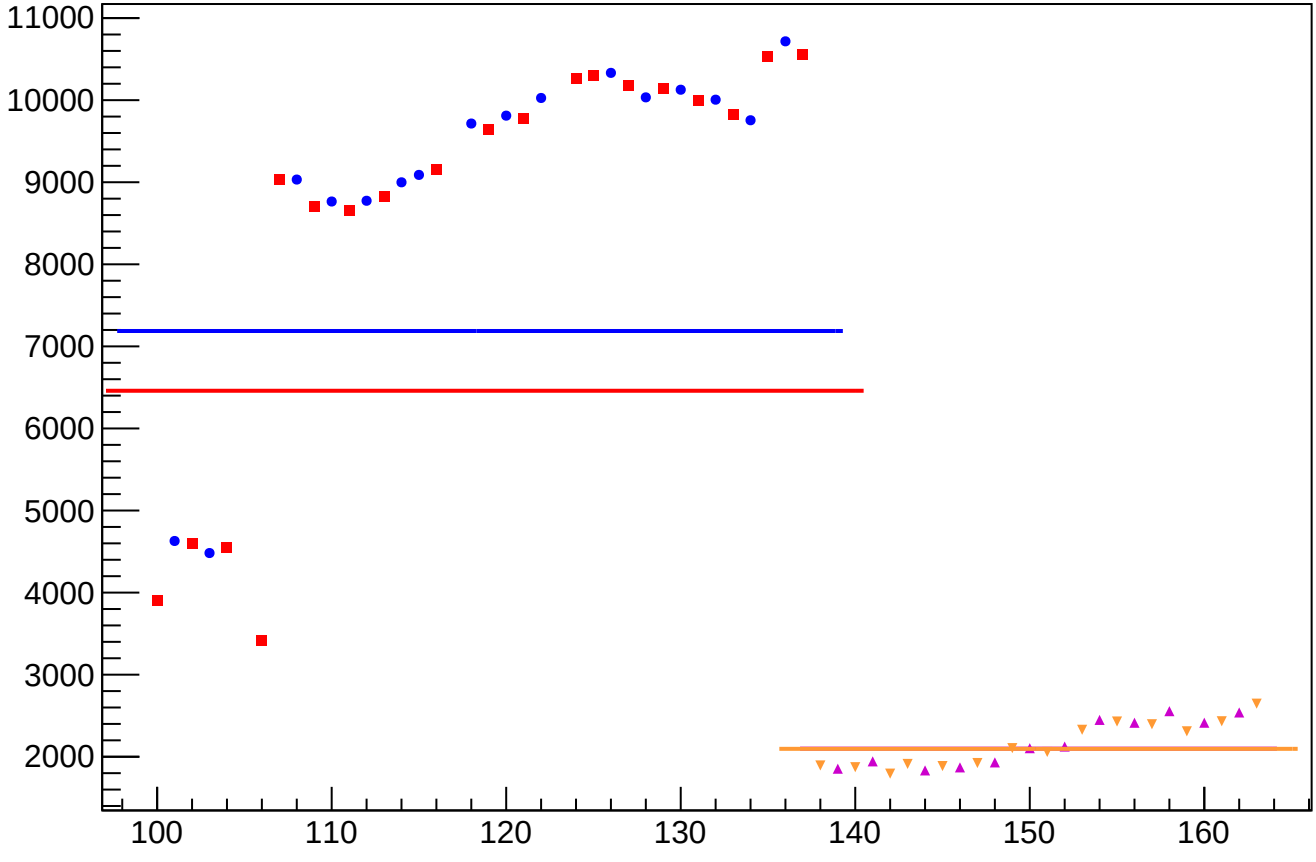
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.220+/-0.641 χ^2/NDF:446.6/27

Out: 9.970+/-0.612 χ^2/NDF:234.1/32

All: 5.792+/-0.443 χ^2/NDF: 778.2/60

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2096.428+/-0.446 χ^2/NDF:308331.9/13

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2098.595+/-0.465 χ^2/NDF:315093.6/11

Left: 2097.466+/-0.322 χ^2/NDF: 623436.8/25

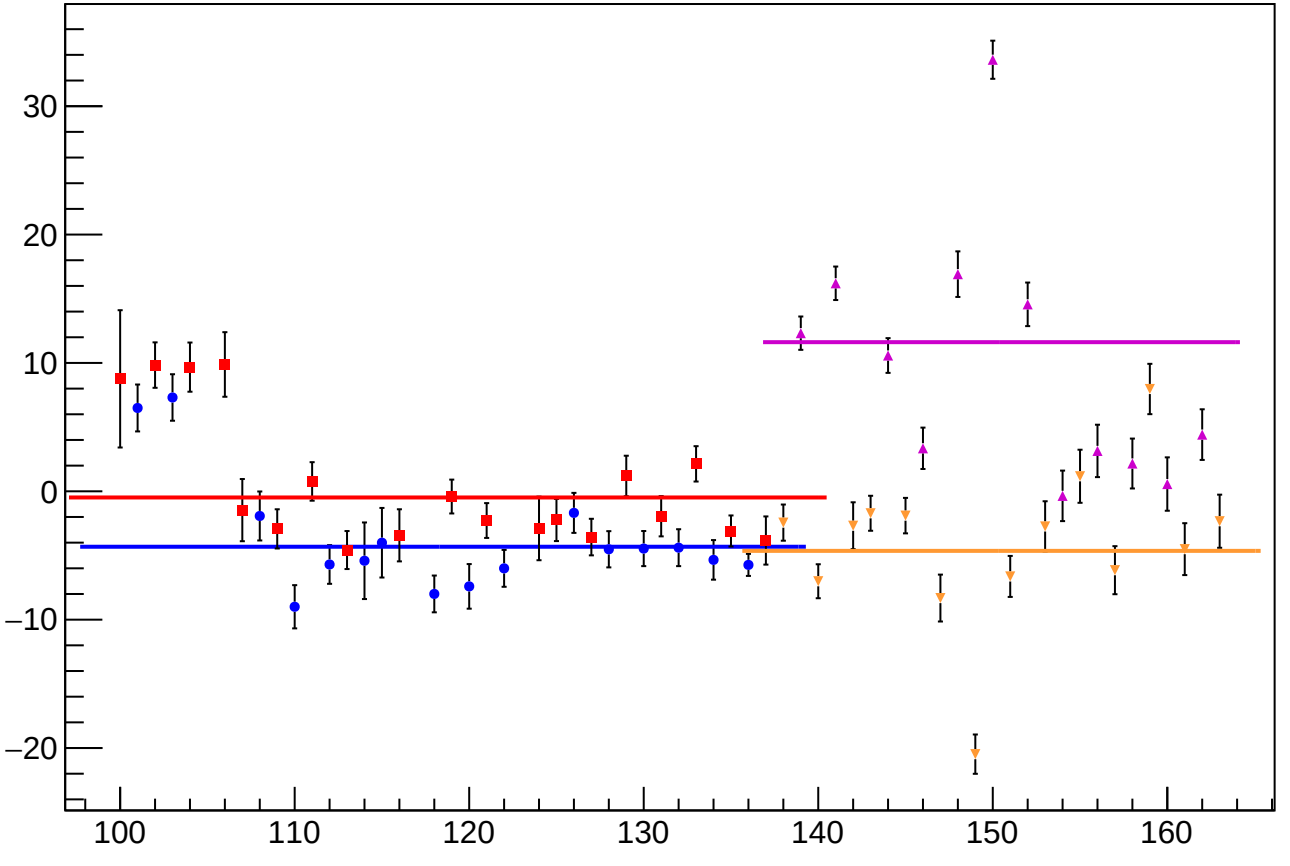
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2357.189+/-0.453 χ^2/NDF:8108551.3/27

Out: 2346.592+/-0.433 χ^2/NDF:8072017.0/32

All: 2351.651+/-0.313 χ^2/NDF: 16180854.3/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -4.641+/-0.444 χ^2/NDF:180.0/13

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 11.618+/-0.472 χ^2/NDF:390.4/11

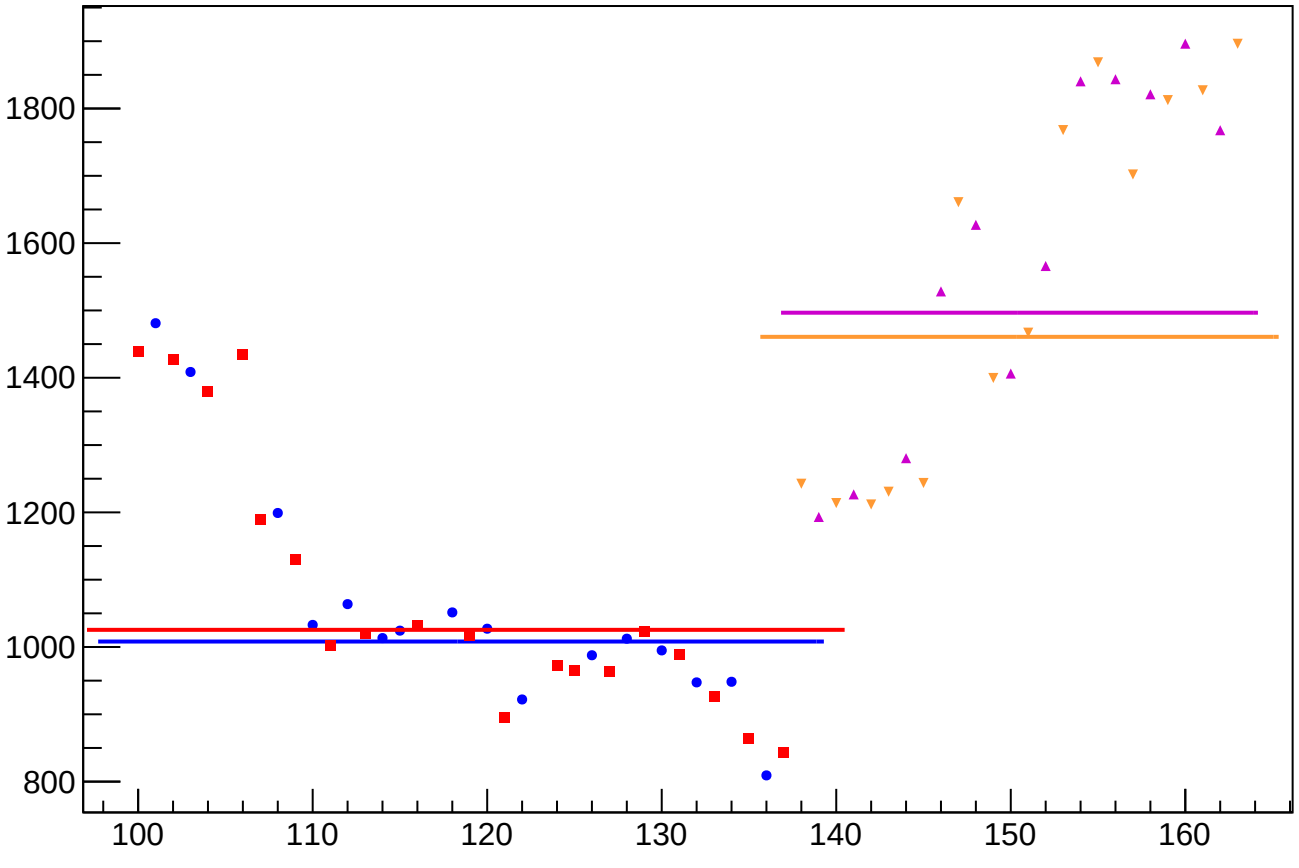
Left: 2.986+/-0.324 χ^2/NDF: 1199.4/25

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.937+/-0.296 χ^2/NDF:1185.5/27

Out: -2.232+/-0.288 χ^2/NDF:348.0/32

All: -0.204+/-0.206 χ^2/NDF: 1635.4/60



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1460.783+/-0.314 χ^2/NDF:667106.3/13

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1496.632+/-0.334 χ^2/NDF:554598.6/11

Left: 1477.598+/-0.229 χ^2/NDF: 1227821.3/25

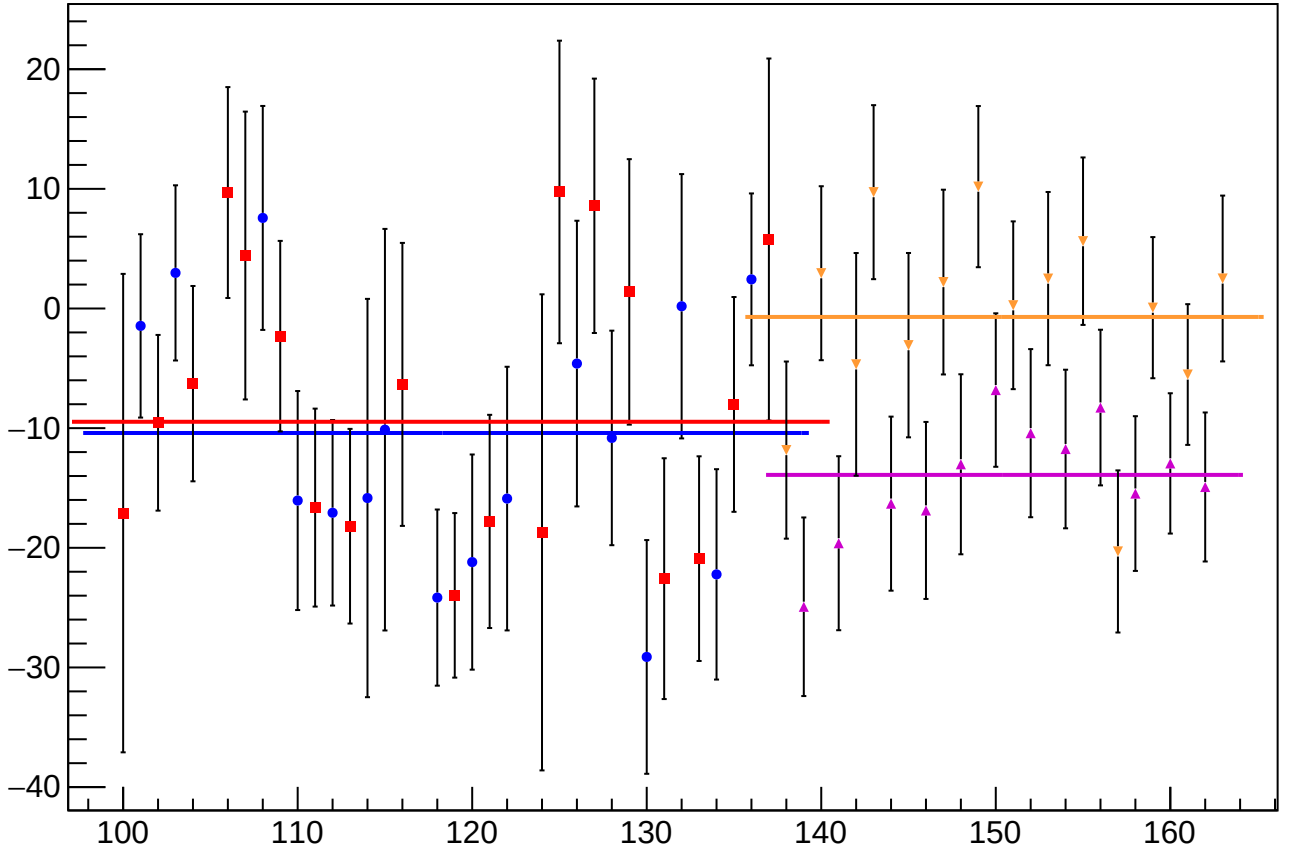
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1199.894+/-0.209 χ^2/NDF:2232791.6/27

Out: 1208.783+/-0.204 χ^2/NDF:2126056.0/32

All: 1204.458+/-0.146 χ^2/NDF: 4359773.9/60

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.705+/-1.878 χ^2/NDF:17.9/13

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -13.907+/-1.956 χ^2/NDF:5.5/11

Left: -7.040+/-1.355 χ^2/NDF: 47.1/25

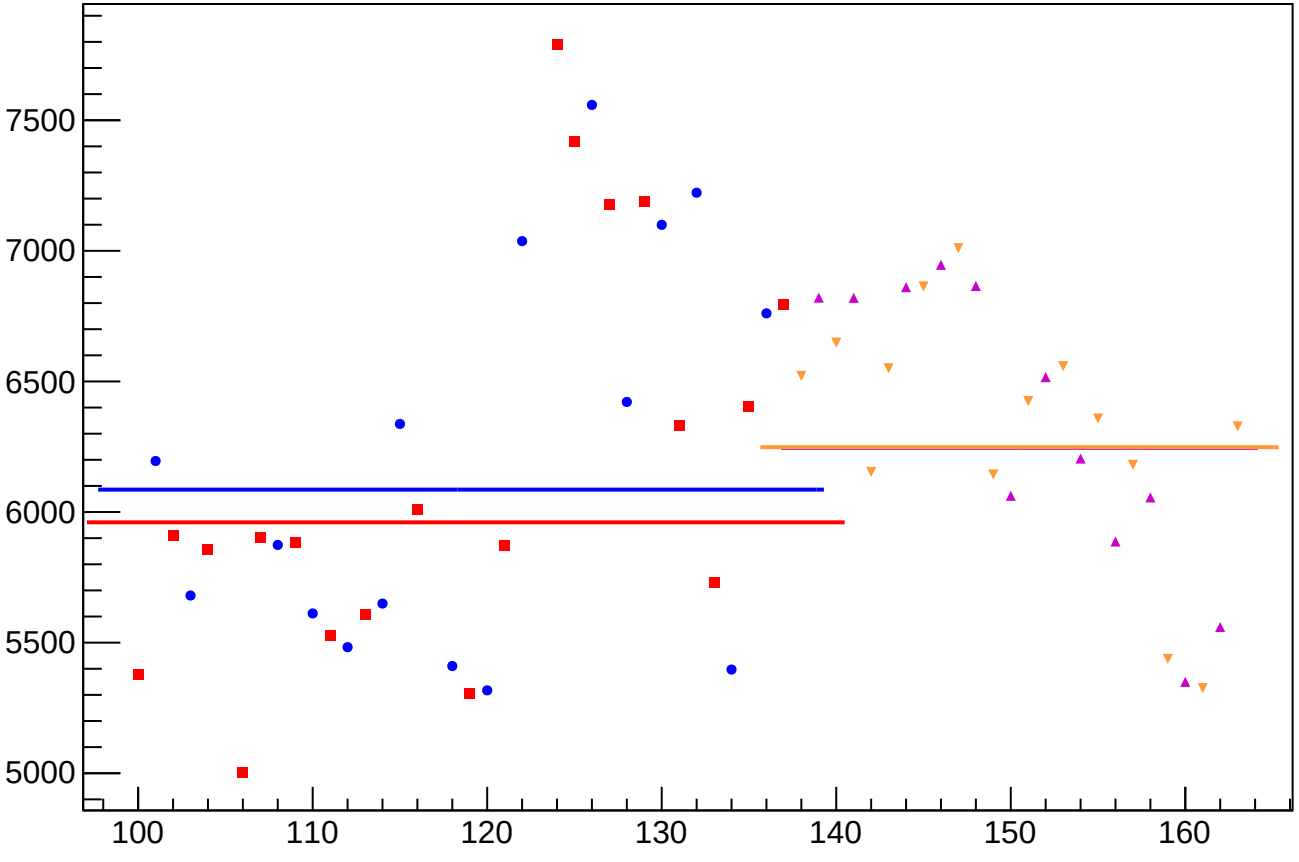
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.422+/-1.484 χ^2/NDF:31.5/27

Out: -4.417+/-1.426 χ^2/NDF:52.5/32

All: -8.259+/-1.028 χ^2/NDF: 99.1/60

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6248.276+/-1.328 χ^2/NDF:138020.8/13

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6245.512+/-1.383 χ^2/NDF:153619.8/11

Left: 6246.950+/-0.958 χ^2/NDF: 291642.7/25

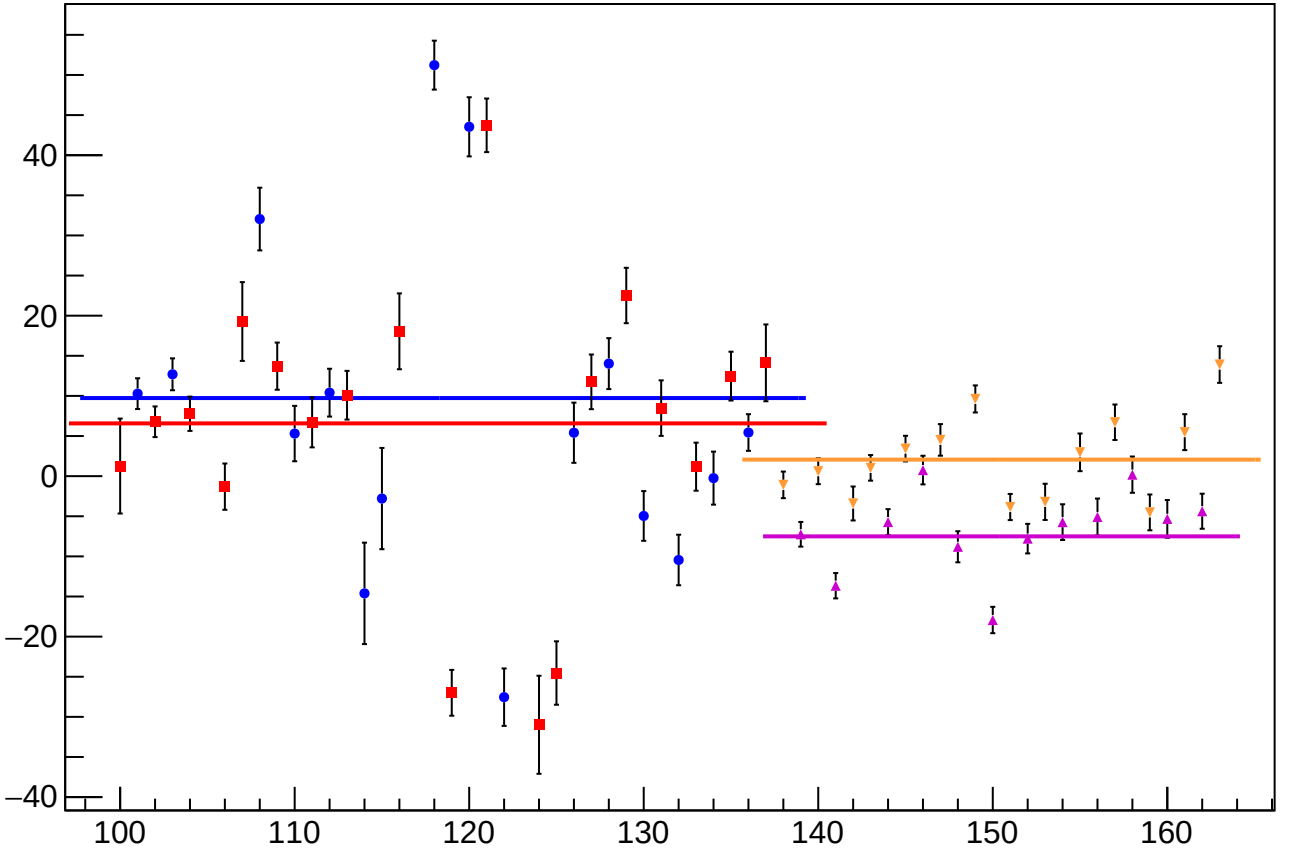
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6177.849+/-1.050 χ^2/NDF:338387.6/27

Out: 6126.406+/-1.008 χ^2/NDF:320665.1/32

All: 6151.096+/-0.727 χ^2/NDF: 660301.8/60

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 2.062+/-0.505 χ^2/NDF:95.0/13

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -7.503+/-0.540 χ^2/NDF:94.8/11

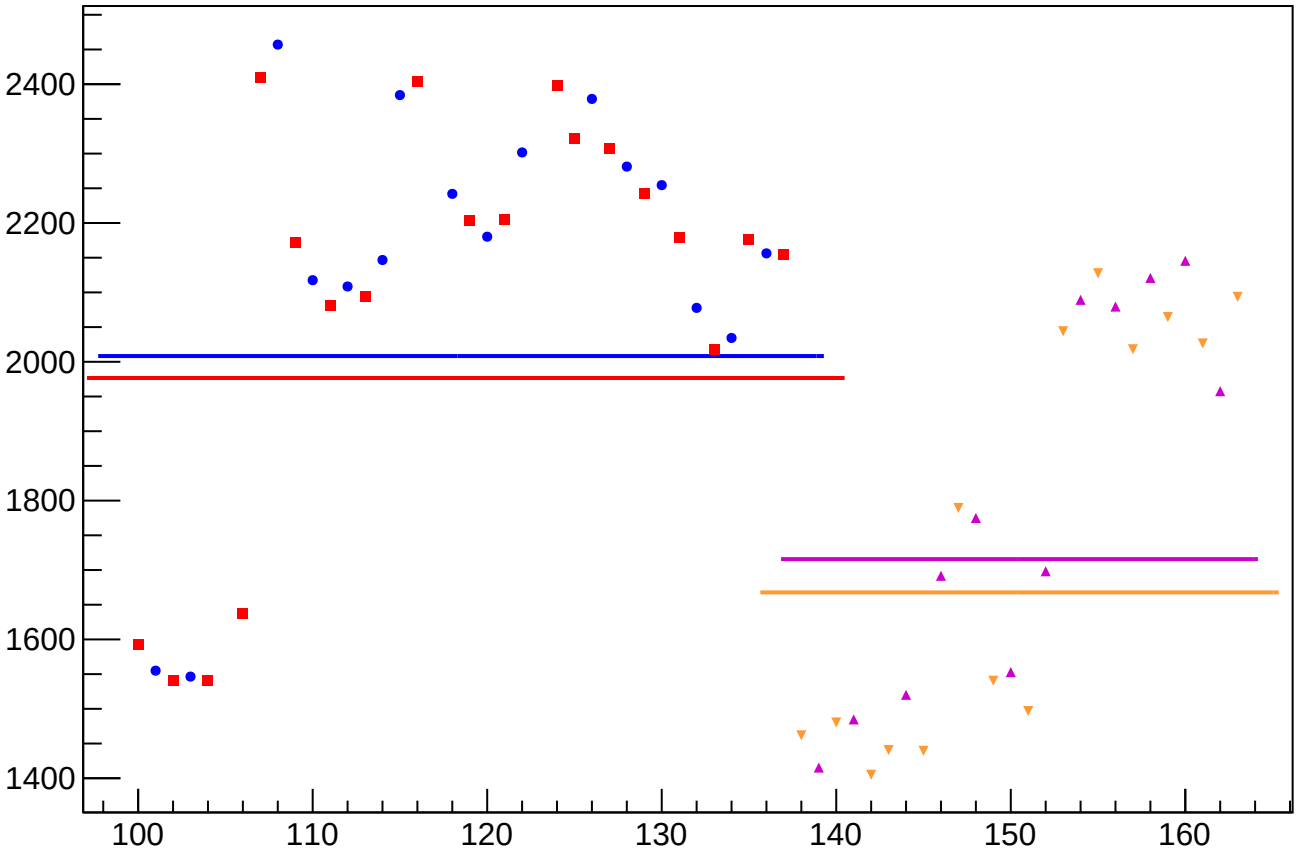
Left: -2.406+/-0.369 χ^2/NDF: 357.1/25

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.672+/-0.439 χ^2/NDF:952.1/27

Out: 3.523+/-0.416 χ^2/NDF:544.6/32

All: 1.069+/-0.302 χ^2/NDF: 1570.6/60



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1667.740+/-0.357 χ^2/NDF:577663.7/13

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1715.684+/-0.382 χ^2/NDF:432523.9/11

Left: 1690.135+/-0.261 χ^2/NDF: 1018595.0/25

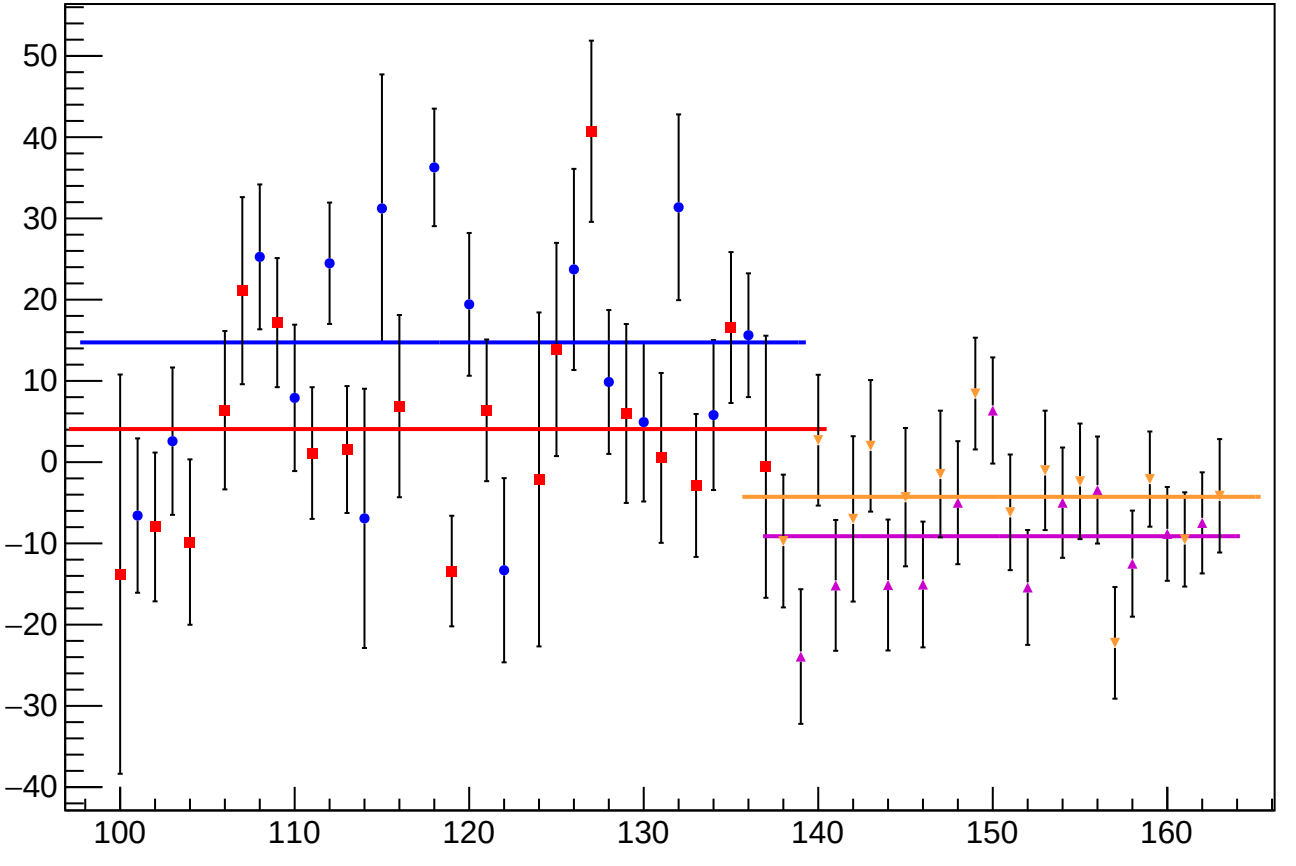
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1814.677+/-0.310 χ^2/NDF:975732.8/27

Out: 1767.774+/-0.294 χ^2/NDF:1185034.2/32

All: 1789.936+/-0.213 χ^2/NDF: 2172804.4/60

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -4.268+/-1.941 χ^2/NDF:13.6/13

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -9.116+/-2.012 χ^2/NDF:13.1/11

Left: -6.605+/-1.397 χ^2/NDF: 29.6/25

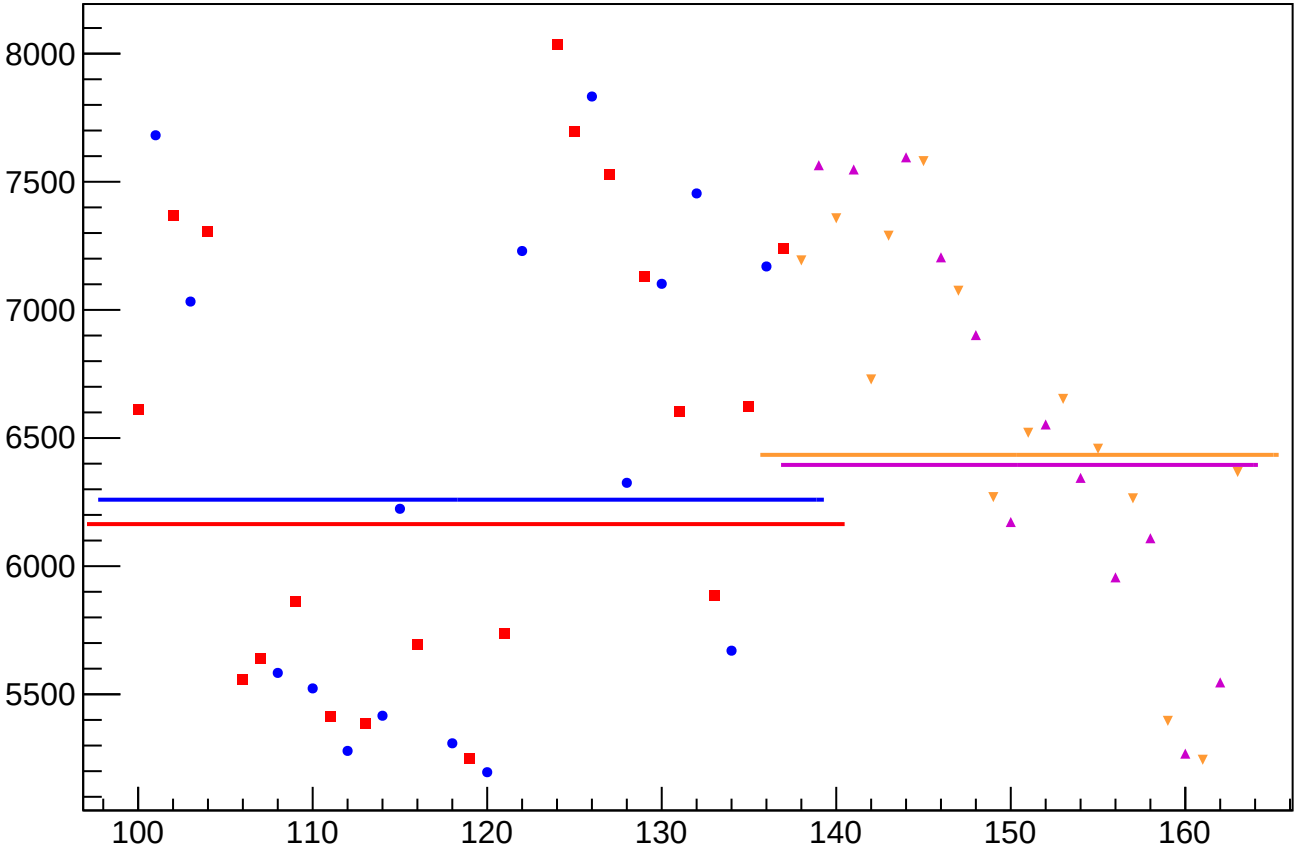
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.938+/-1.531 χ^2/NDF:105.8/27

Out: -0.752+/-1.476 χ^2/NDF:51.5/32

All: 0.063+/-1.063 χ^2/NDF: 158.0/60

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6434.391+/-1.373 χ^2/NDF:268820.6/13

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6395.123+/-1.423 χ^2/NDF:285545.0/11

Left: 6415.459+/-0.988 χ^2/NDF: 554760.0/25

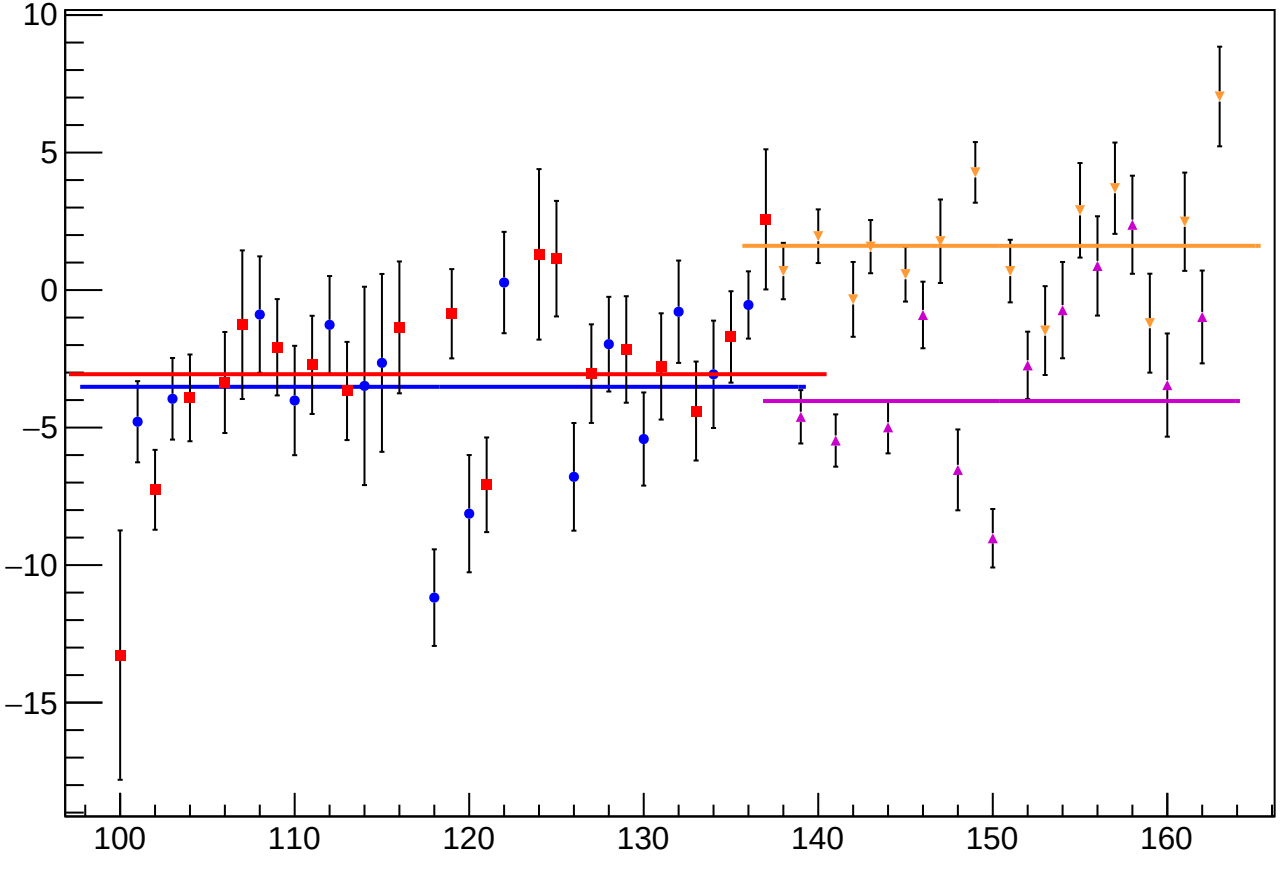
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6337.928+/-1.082 χ^2/NDF:597985.4/27

Out: 6320.436+/-1.044 χ^2/NDF:550219.4/32

All: 6328.867+/-0.751 χ^2/NDF: 1148340.1/60

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.609+/-0.340 χ^2/NDF:28.0/13

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -4.035+/-0.364 χ^2/NDF:63.6/11

Left: -1.021+/-0.248 χ^2/NDF: 220.2/25

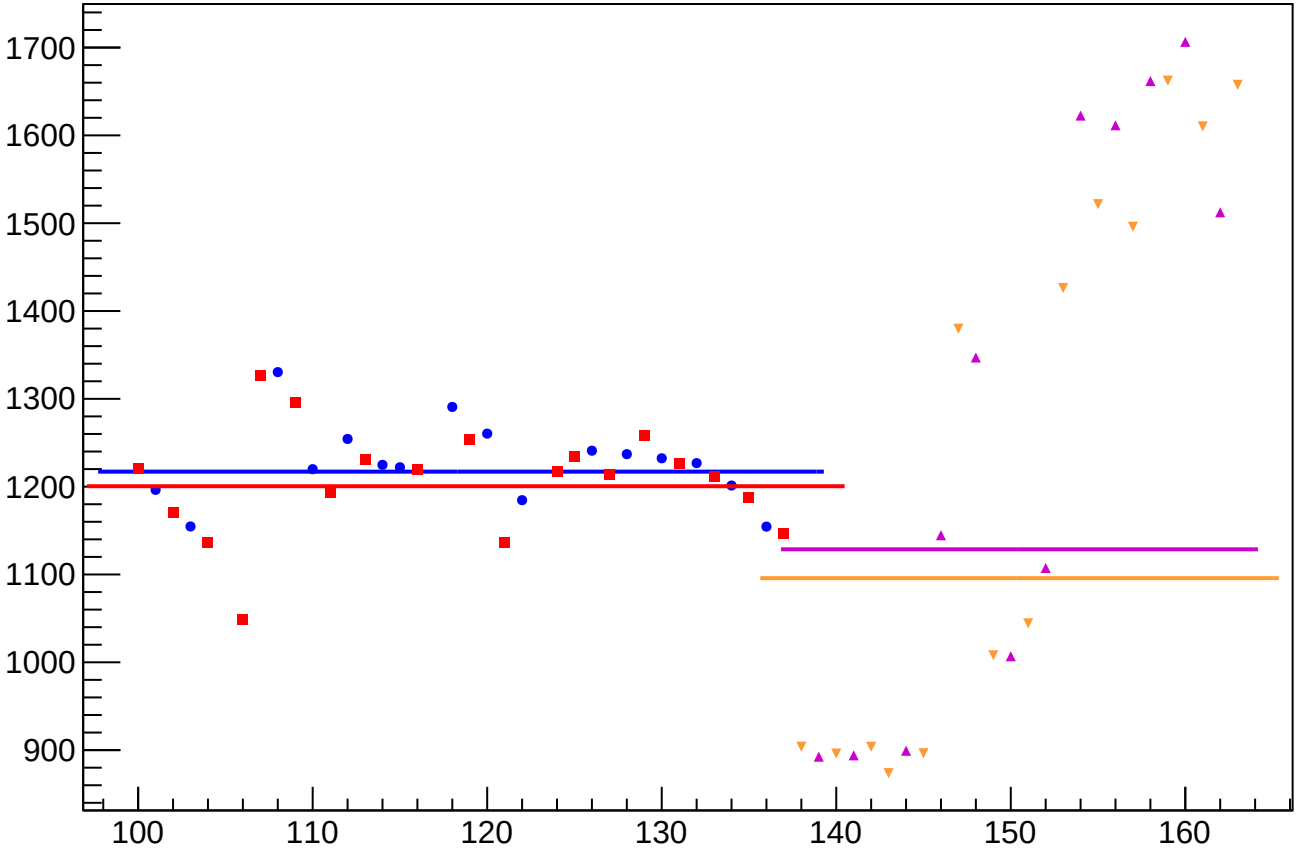
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.832+/-0.283 χ^2/NDF:109.5/27

Out: -0.143+/-0.269 χ^2/NDF:133.7/32

All: -1.888+/-0.195 χ^2/NDF: 332.4/60

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1095.794+/-0.240 χ^2/NDF:1345248.2/13

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1128.661+/-0.257 χ^2/NDF:1202678.4/11

Left: 1111.112+/-0.176 χ^2/NDF: 2556647.3/25

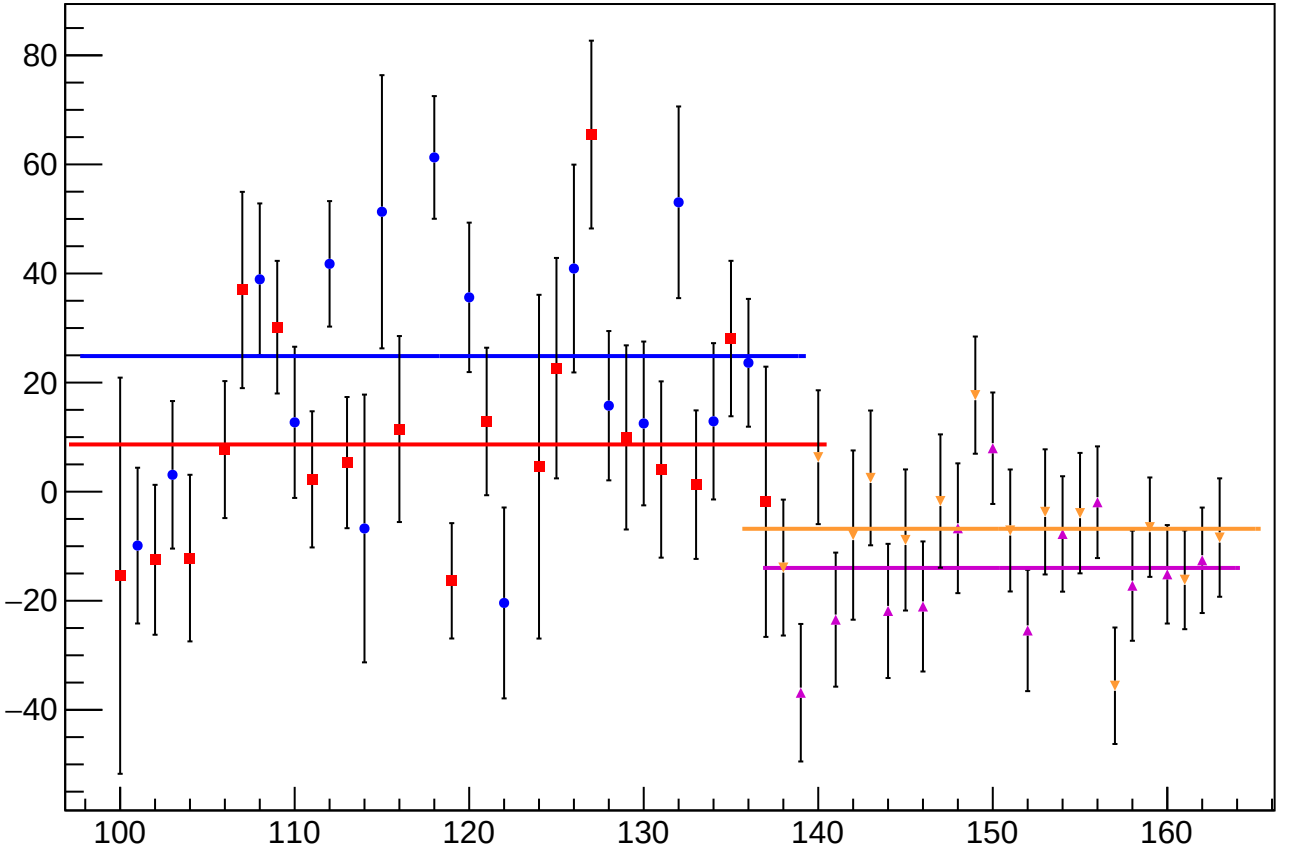
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1163.376+/-0.200 χ^2/NDF:1270784.6/27

Out: 1135.095+/-0.190 χ^2/NDF:1454180.1/32

All: 1148.473+/-0.138 χ^2/NDF: 2735456.6/60

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -6.805+/-3.009 χ^2/NDF:15.9/13

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -13.984+/-3.123 χ^2/NDF:12.6/11

Left: -10.261+/-2.167 χ^2/NDF: 31.2/25

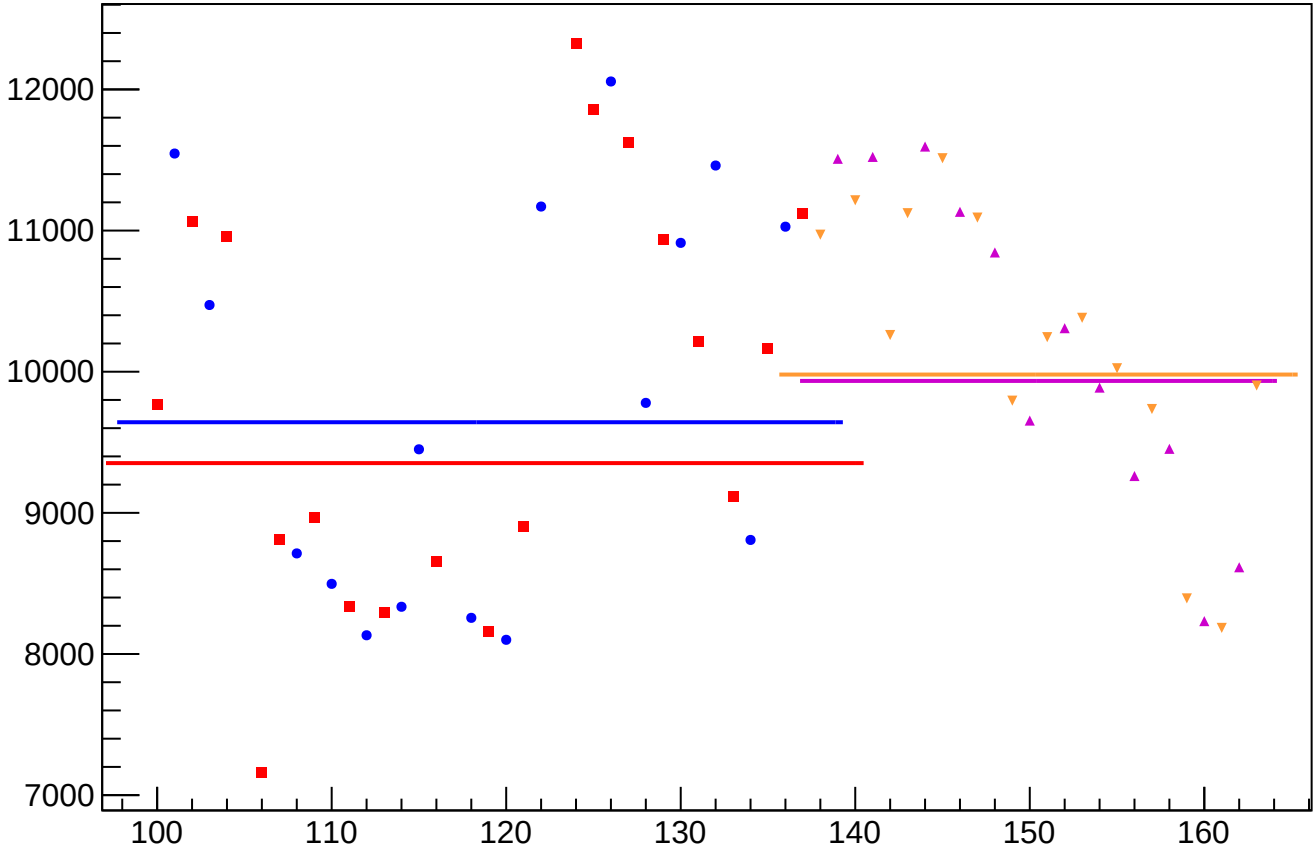
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 2.551+/-2.367 χ^2/NDF:116.6/27

Out: -0.131+/-2.269 χ^2/NDF:57.5/32

All: 1.153+/-1.638 χ^2/NDF: 174.7/60

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9979.886+/-2.128 χ^2/NDF:239807.8/13

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9934.761+/-2.209 χ^2/NDF:258258.9/11

Left: 9958.161+/-1.532 χ^2/NDF: 498283.3/25

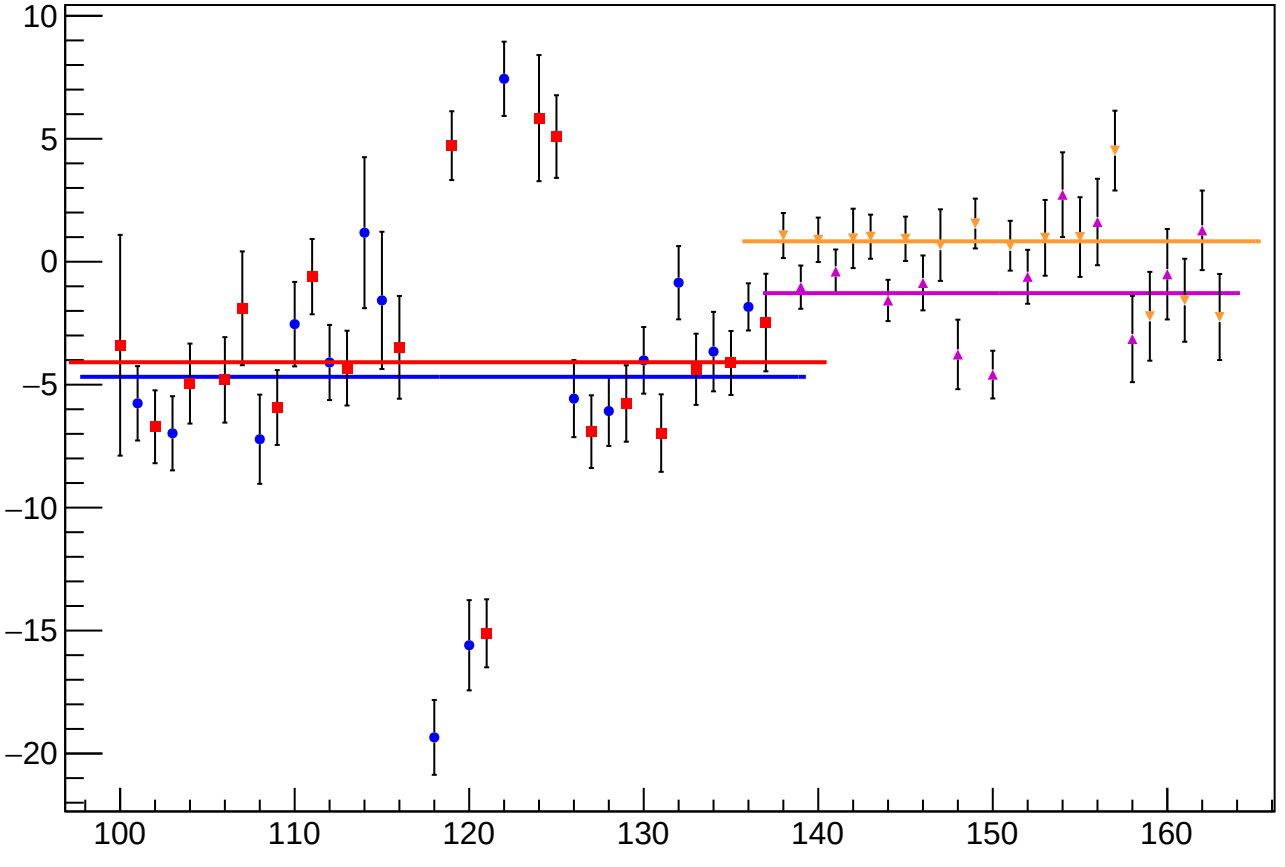
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9810.174+/-1.674 χ^2/NDF:545392.4/27

Out: 9709.117+/-1.604 χ^2/NDF:579101.0/32

All: 9757.508+/-1.158 χ^2/NDF: 1126393.3/60

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.830+/-0.314 χ^2/NDF:13.8/13

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.278+/-0.337 χ^2/NDF:28.3/11

Left: -0.150+/-0.230 χ^2/NDF: 63.1/25

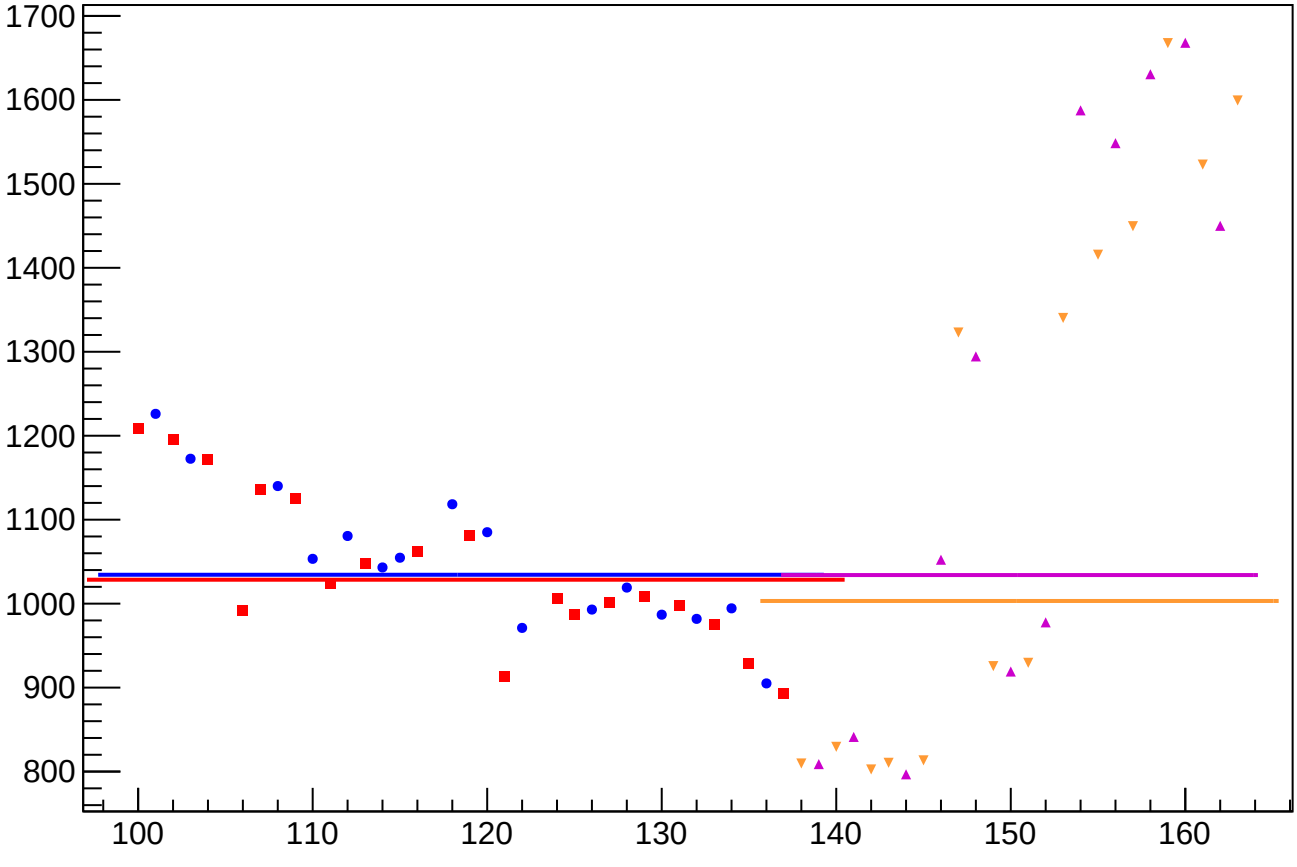
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.749+/-0.254 χ^2/NDF:293.7/27

Out: -1.186+/-0.241 χ^2/NDF:282.6/32

All: -1.928+/-0.175 χ^2/NDF: 596.2/60

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1003.178+/-0.222 χ^2/NDF:1587021.3/13

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1034.051+/-0.238 χ^2/NDF:1463813.0/11

Left: 1017.528+/-0.162 χ^2/NDF: 3059834.9/25

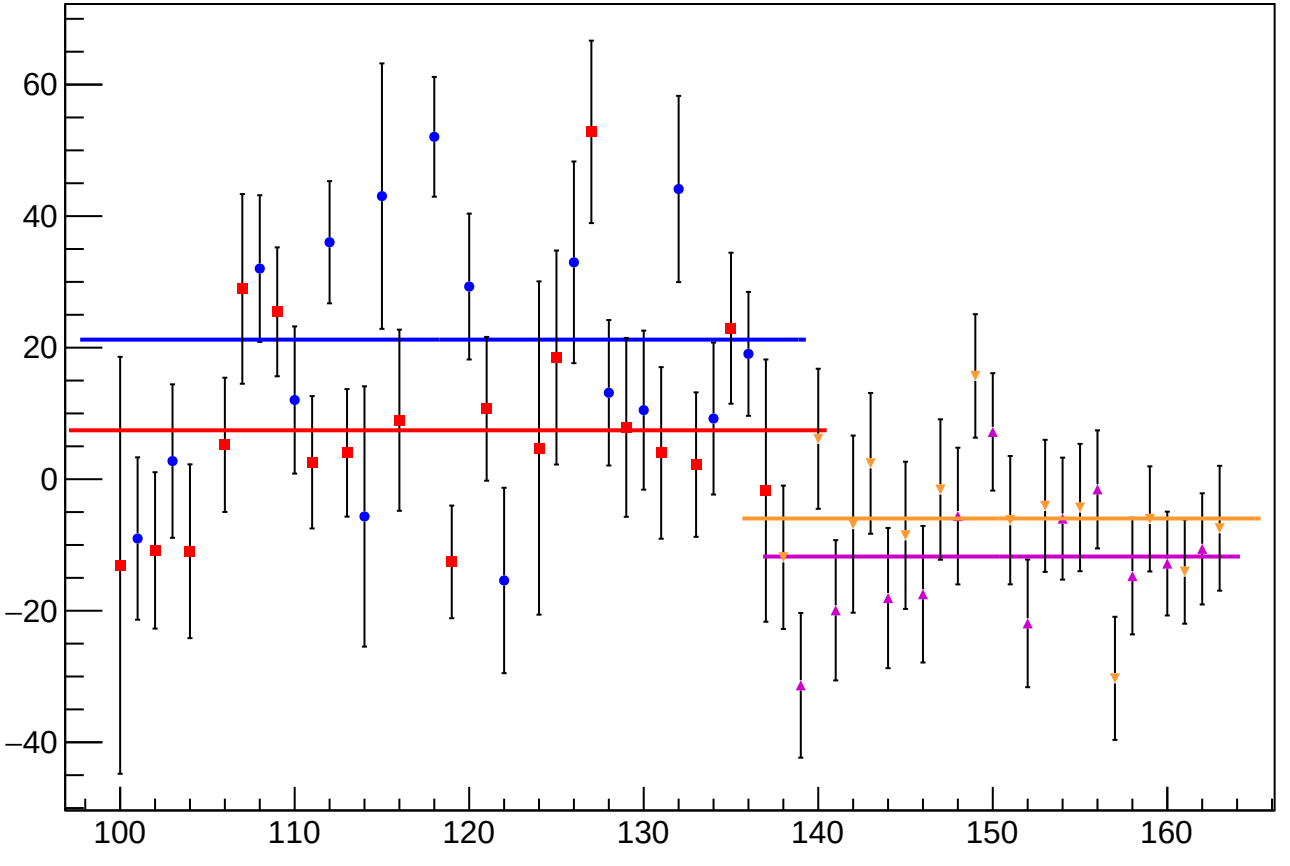
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1034.203+/-0.179 χ^2/NDF:1577092.6/27

Out: 1013.560+/-0.170 χ^2/NDF:1693987.4/32

All: 1023.353+/-0.124 χ^2/NDF: 3278041.2/60

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -5.973+/-2.628 χ^2/NDF:15.6/13

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -11.759+/-2.728 χ^2/NDF:12.2/11

Left: -8.758+/-1.893 χ^2/NDF: 30.2/25

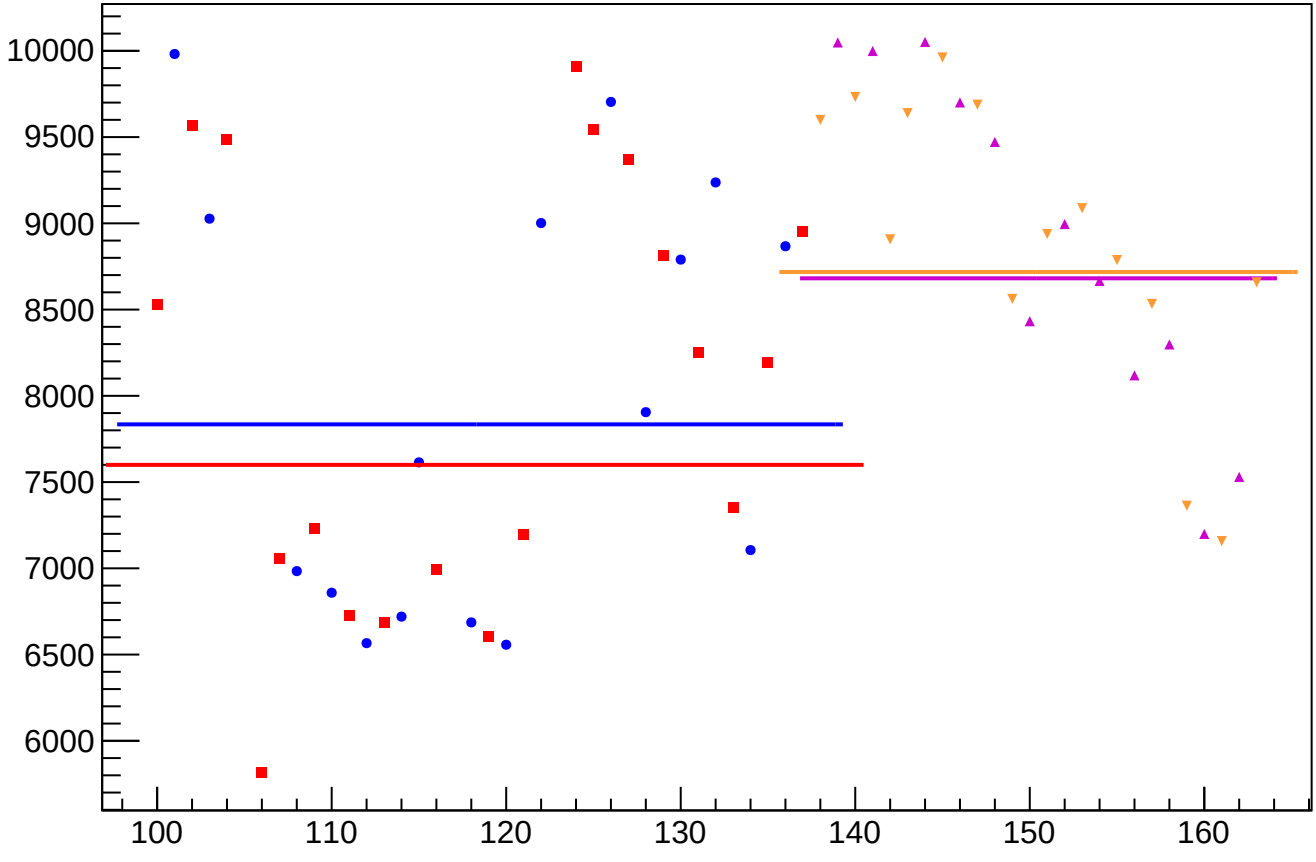
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 3.435+/-2.004 χ^2/NDF:119.6/27

Out: 0.283+/-1.920 χ^2/NDF:57.6/32

All: 1.792+/-1.386 χ^2/NDF: 178.5/60

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8717.908+/-1.858 χ^2/NDF:227982.2/13

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8681.197+/-1.929 χ^2/NDF:248149.9/11

Left: 8700.238+/-1.338 χ^2/NDF: 476320.0/25

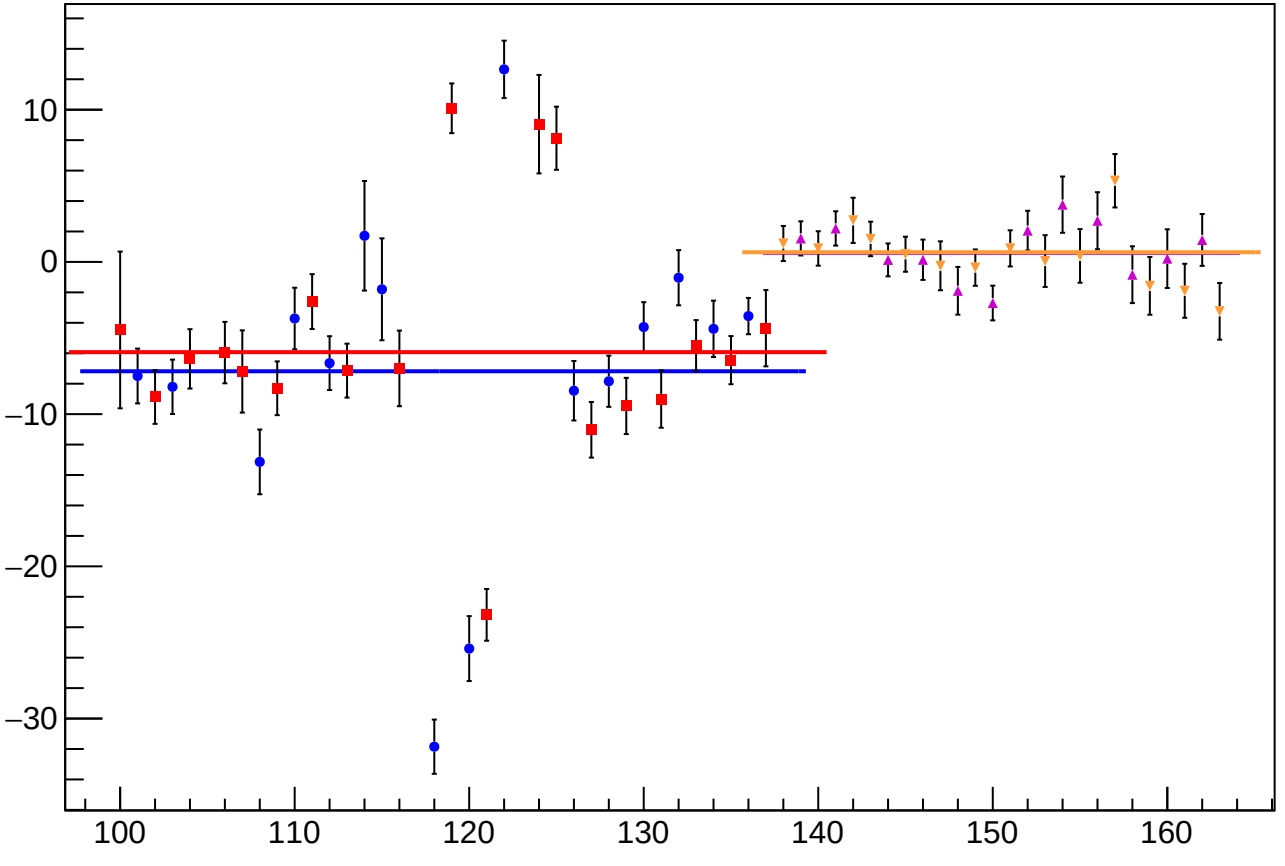
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8291.178+/-1.417 χ^2/NDF:654959.7/27

Out: 8196.253+/-1.357 χ^2/NDF:741183.4/32

All: 8241.684+/-0.980 χ^2/NDF: 1398483.9/60

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.636+/-0.373 χ^2/NDF:19.0/13

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.593+/-0.400 χ^2/NDF:20.3/11

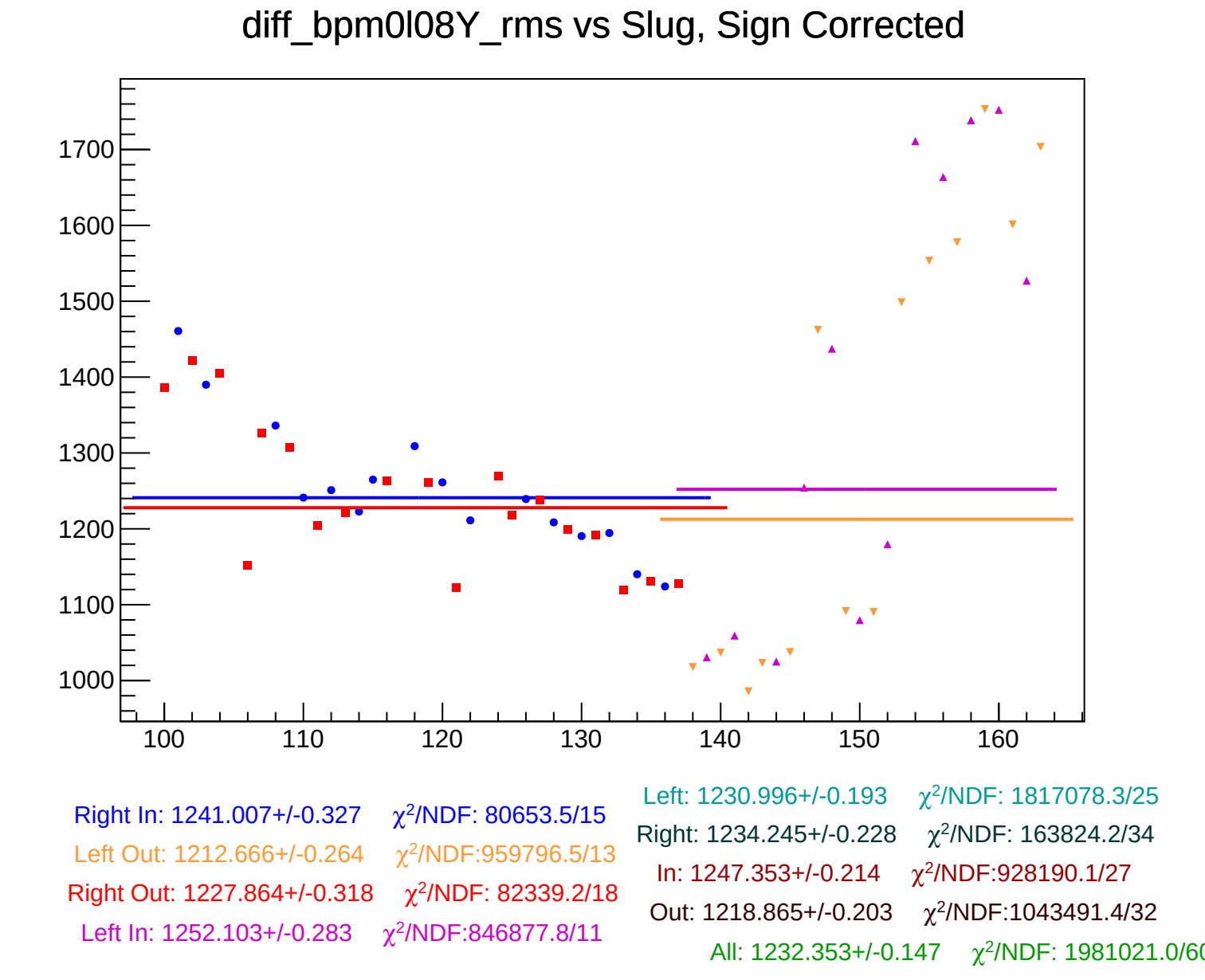
Left: 0.616+/-0.273 χ^2/NDF: 39.3/25

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

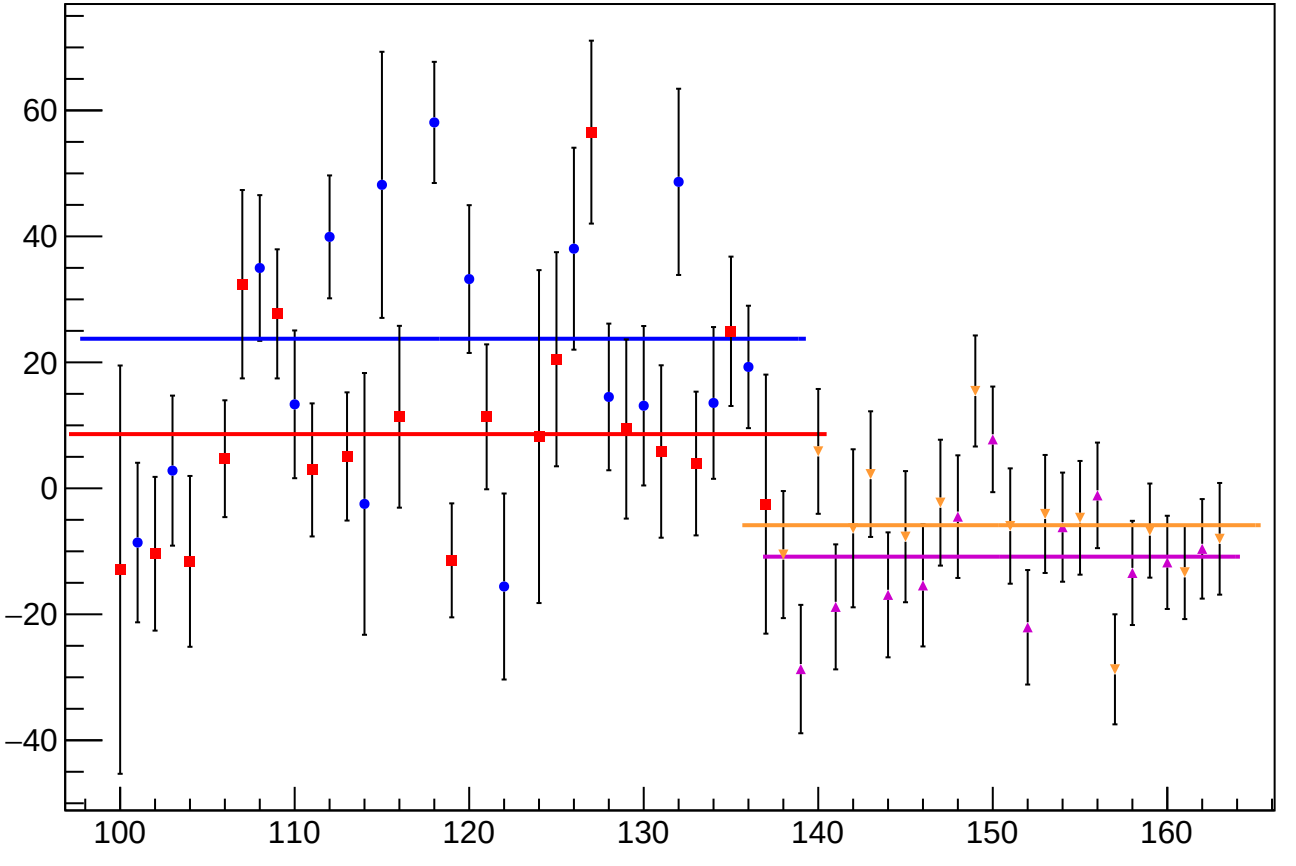
In: -2.736+/-0.303 χ^2/NDF:604.3/27

Out: -2.041+/-0.287 χ^2/NDF:435.8/32

All: -2.370+/-0.208 χ^2/NDF: 1042.9/60


diff_bpm0l08Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
100
110
120
130
140
150
160
Right In: 1241.007+/-0.327 χ²/NDF: 80653.5/15
Left Out: 1212.666+/-0.264 χ²/NDF:959796.5/13
Right Out: 1227.864+/-0.318 χ²/NDF: 82339.2/18
Left In: 1252.103+/-0.283 χ²/NDF:846877.8/11
Left: 1230.996+/-0.193 χ²/NDF: 1817078.3/25
Right: 1234.245+/-0.228 χ²/NDF: 163824.2/34
In: 1247.353+/-0.214 χ²/NDF:928190.1/27
Out: 1218.865+/-0.203 χ²/NDF:1043491.4/32
All: 1232.353+/-0.147 χ²/NDF: 1981021.0/60

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -5.853+/-2.454 χ^2/NDF:16.3/13

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -10.849+/-2.549 χ^2/NDF:13.0/11

Left: -8.257+/-1.768 χ^2/NDF: 31.2/25

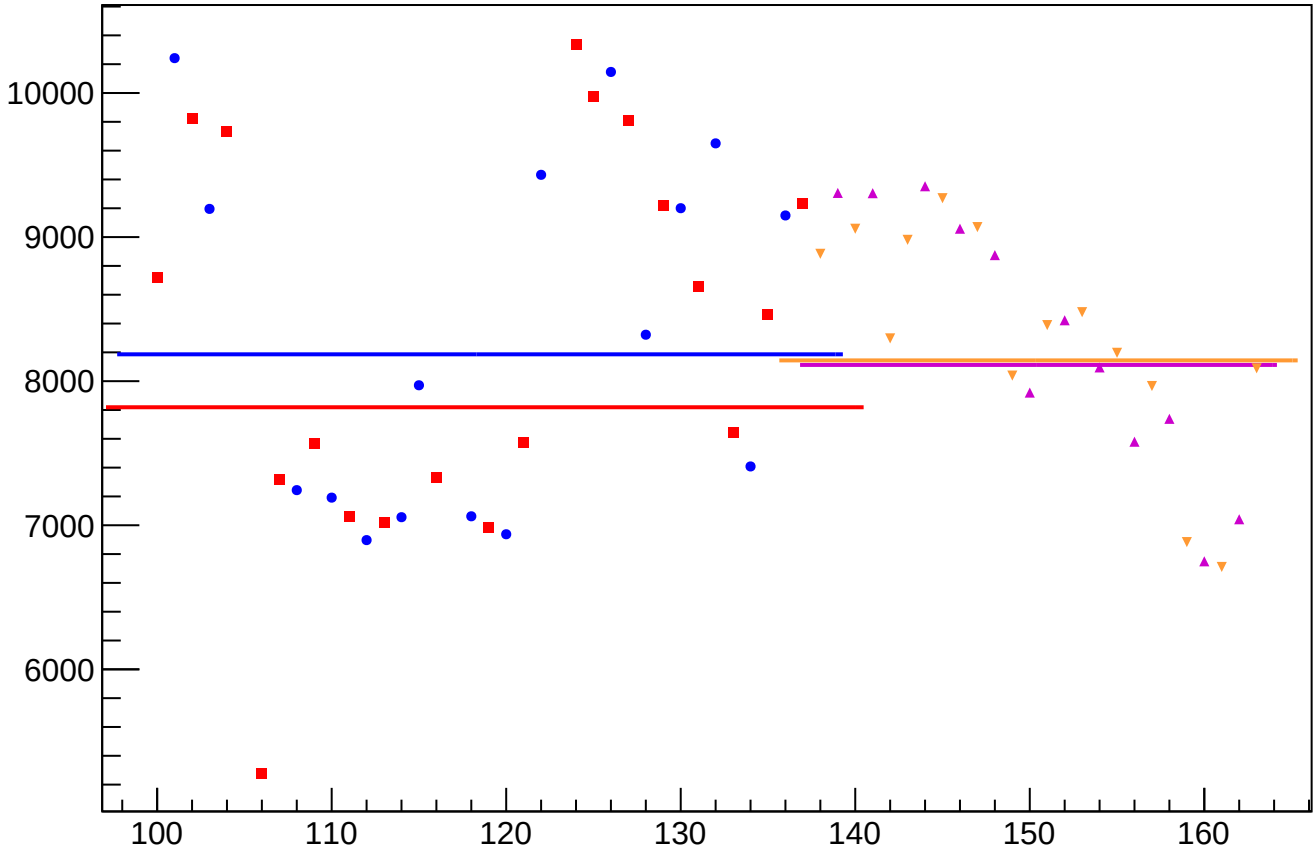
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 3.206+/-1.964 χ^2/NDF:131.2/27

Out: 0.185+/-1.873 χ^2/NDF:61.2/32

All: 1.624+/-1.356 χ^2/NDF: 193.7/60

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 8144.218+/-1.736 χ^2/NDF:219420.8/13

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8112.818+/-1.802 χ^2/NDF:238990.3/11

Left: 8129.110+/-1.250 χ^2/NDF: 458568.6/25

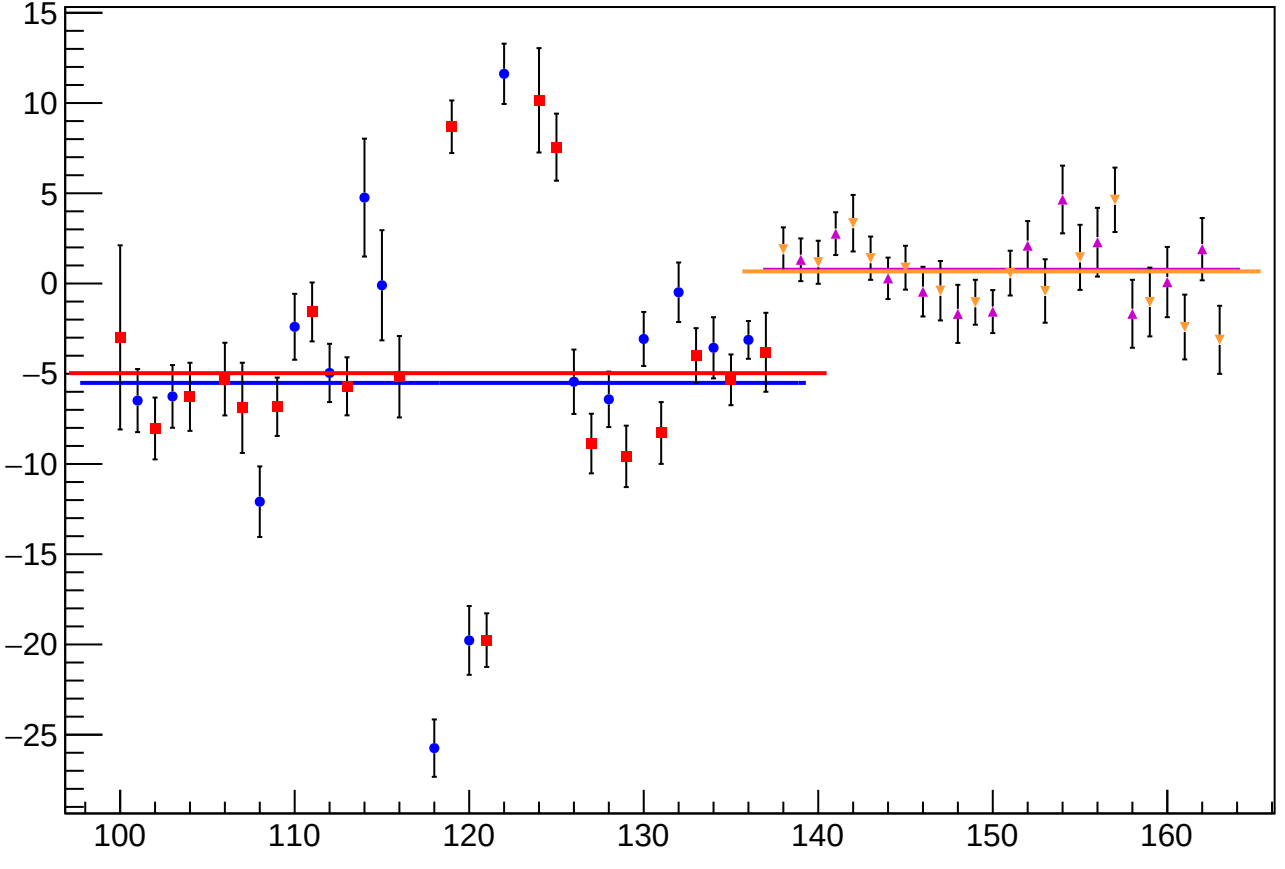
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8142.694+/-1.389 χ^2/NDF:530295.5/27

Out: 8008.414+/-1.325 χ^2/NDF:657082.6/32

All: 8072.380+/-0.959 χ^2/NDF: 1192273.7/60

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.672+/-0.388 χ^2/NDF:20.1/13

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.762+/-0.416 χ^2/NDF:18.3/11

Left: 0.714+/-0.284 χ^2/NDF: 38.4/25

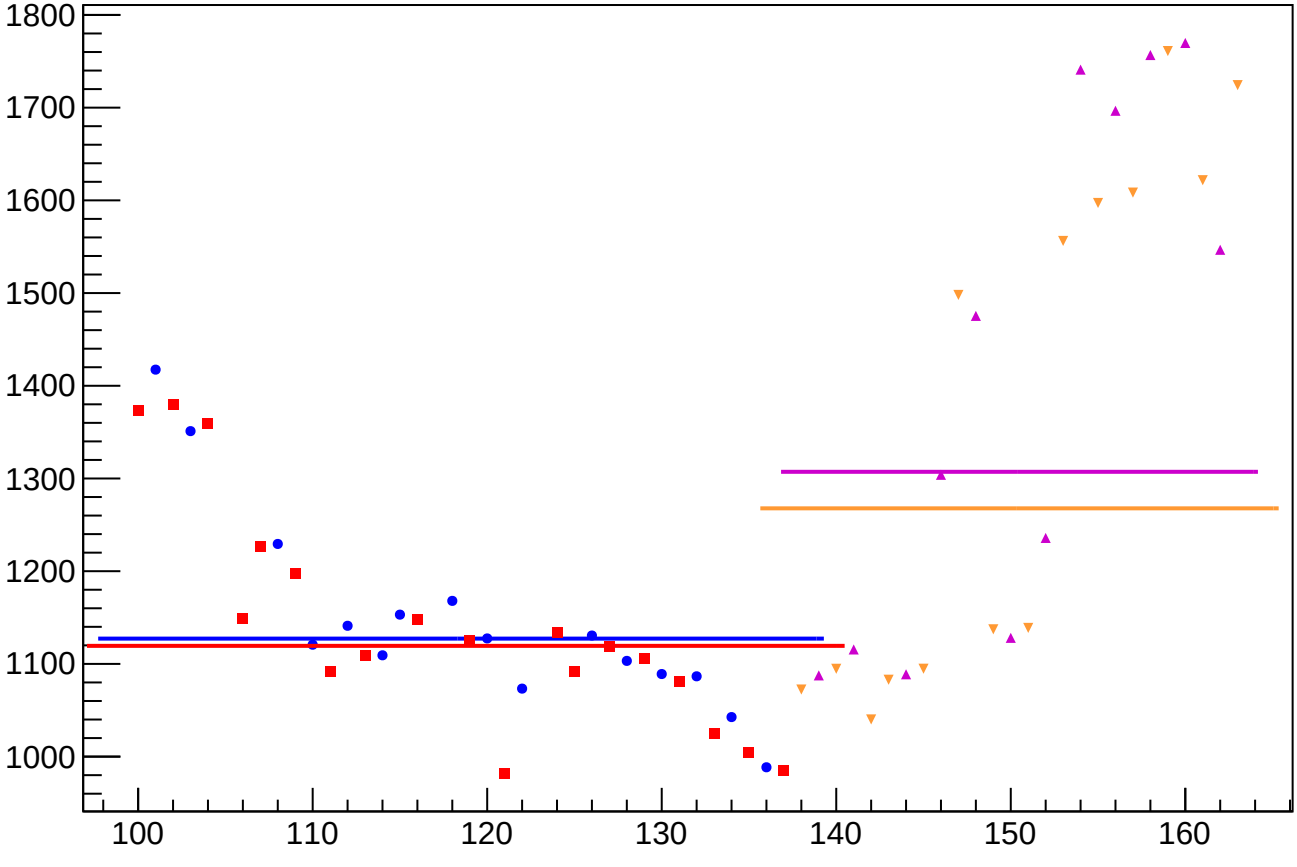
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.335+/-0.296 χ^2/NDF:500.3/27

Out: -1.991+/-0.282 χ^2/NDF:407.1/32

All: -2.155+/-0.204 χ^2/NDF: 908.1/60

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1267.792+/-0.274 χ^2/NDF:829356.9/13

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1307.204+/-0.294 χ^2/NDF:721853.2/11

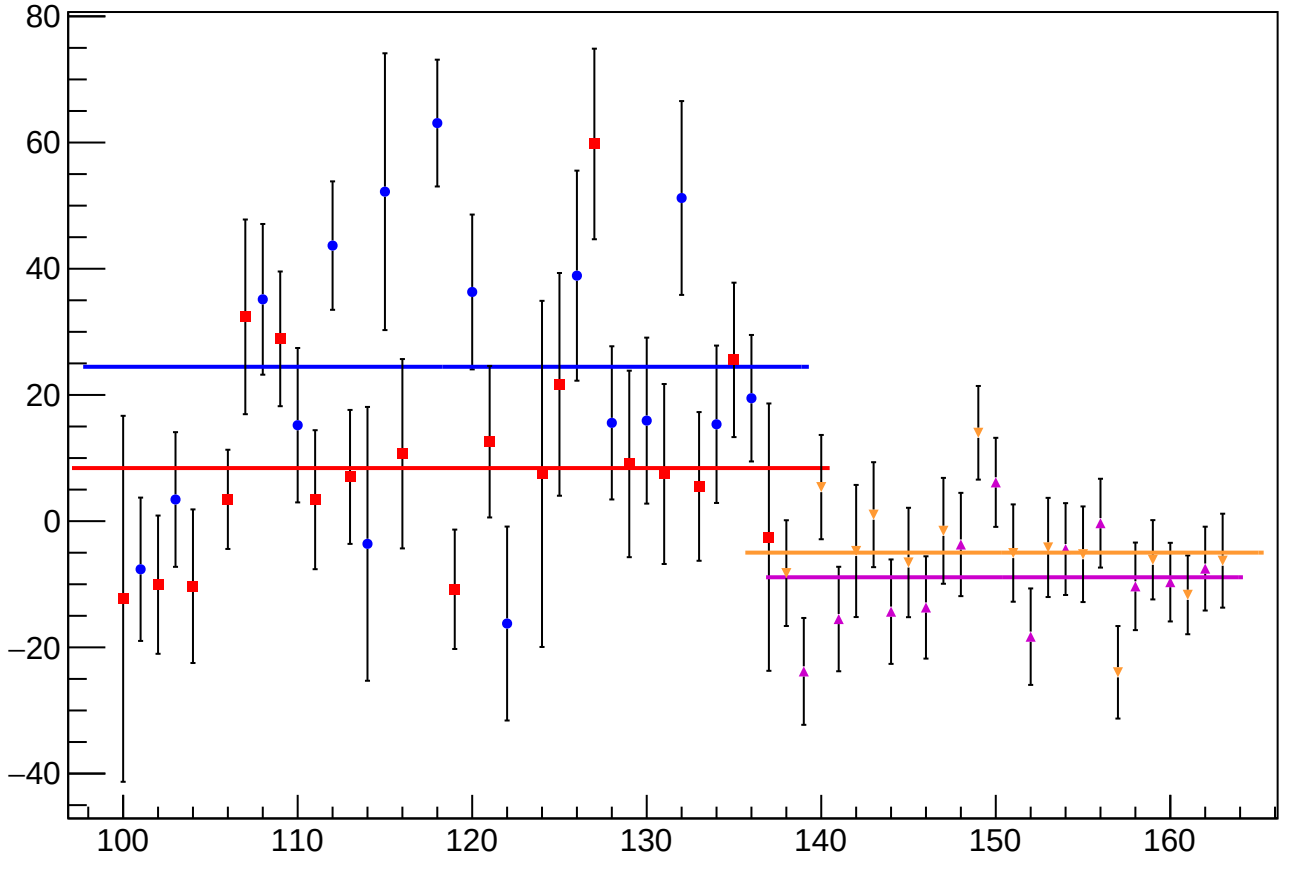
Left: 1286.140+/-0.201 χ^2/NDF: 1560810.0/25

Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1218.322+/-0.209 χ^2/NDF:1047389.9/27

Out: 1197.751+/-0.199 χ^2/NDF:1107997.6/32

All: 1207.544+/-0.144 χ^2/NDF: 2160454.7/60



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -4.987+/-2.058 χ^2/NDF:16.9/13

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.890+/-2.138 χ^2/NDF:13.0/11

Left: -6.864+/-1.483 χ^2/NDF: 31.6/25

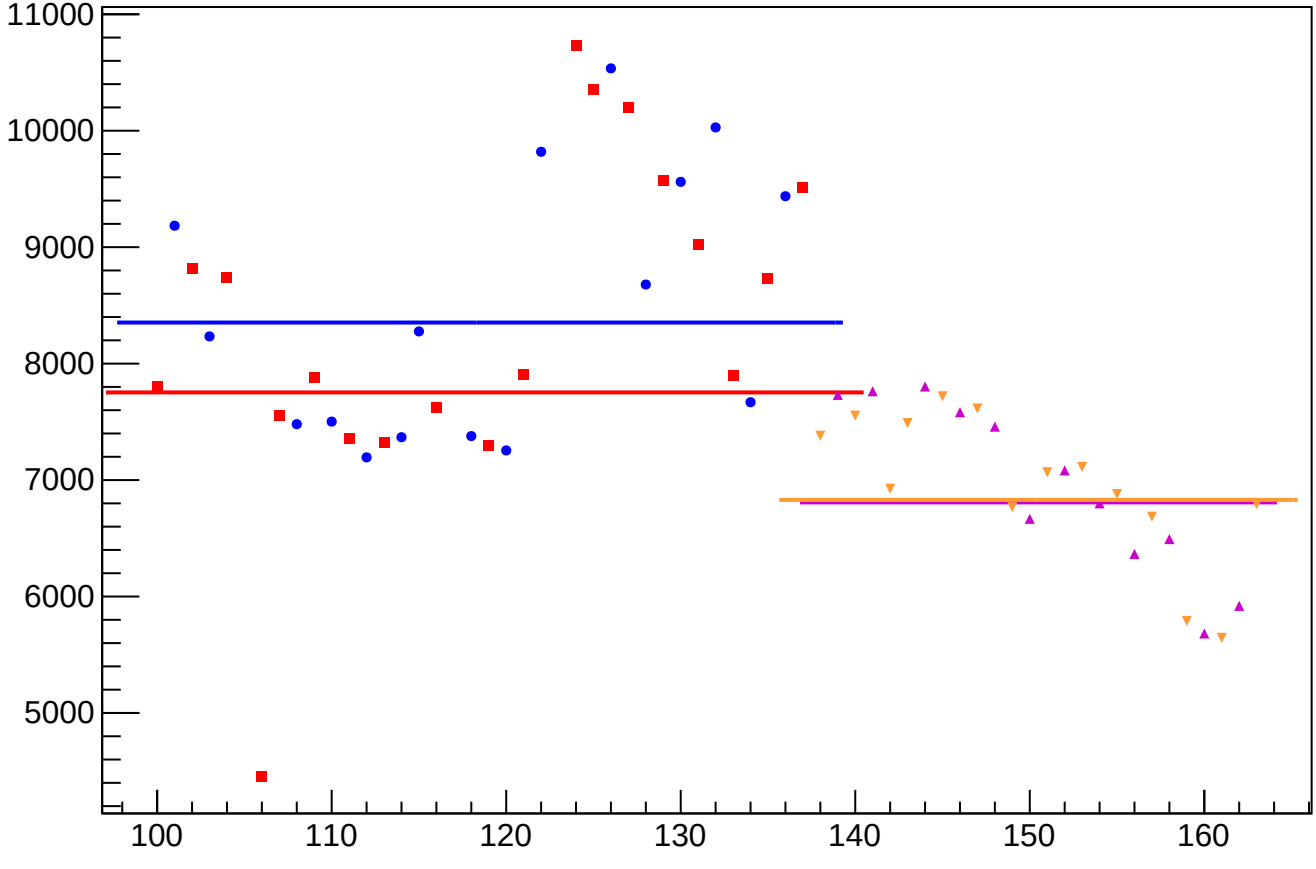
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.693+/-1.767 χ^2/NDF:138.5/27

Out: -0.481+/-1.676 χ^2/NDF:62.3/32

All: 0.549+/-1.216 χ^2/NDF: 201.6/60

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6829.962+/-1.455 χ^2/NDF:207613.5/13

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6808.169+/-1.512 χ^2/NDF:226626.7/11

Left: 6819.483+/-1.048 χ^2/NDF: 434348.1/25

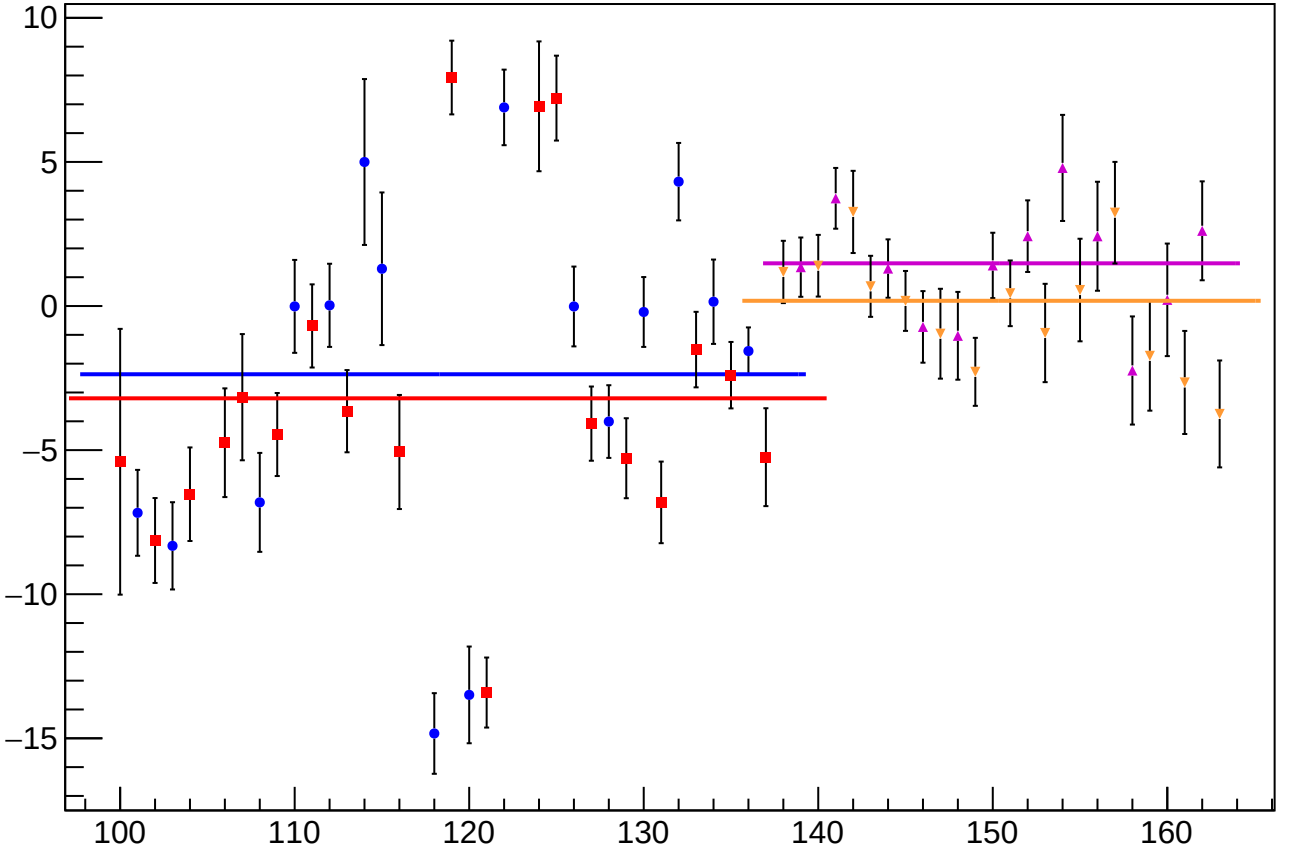
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7298.267+/-1.249 χ^2/NDF:778241.7/27

Out: 7140.236+/-1.185 χ^2/NDF:930916.9/32

All: 7215.116+/-0.860 χ^2/NDF: 1717579.9/60

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.182+/-0.358 χ^2/NDF:23.5/13

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.482+/-0.384 χ^2/NDF:19.3/11

Left: 0.787+/-0.262 χ^2/NDF: 49.0/25

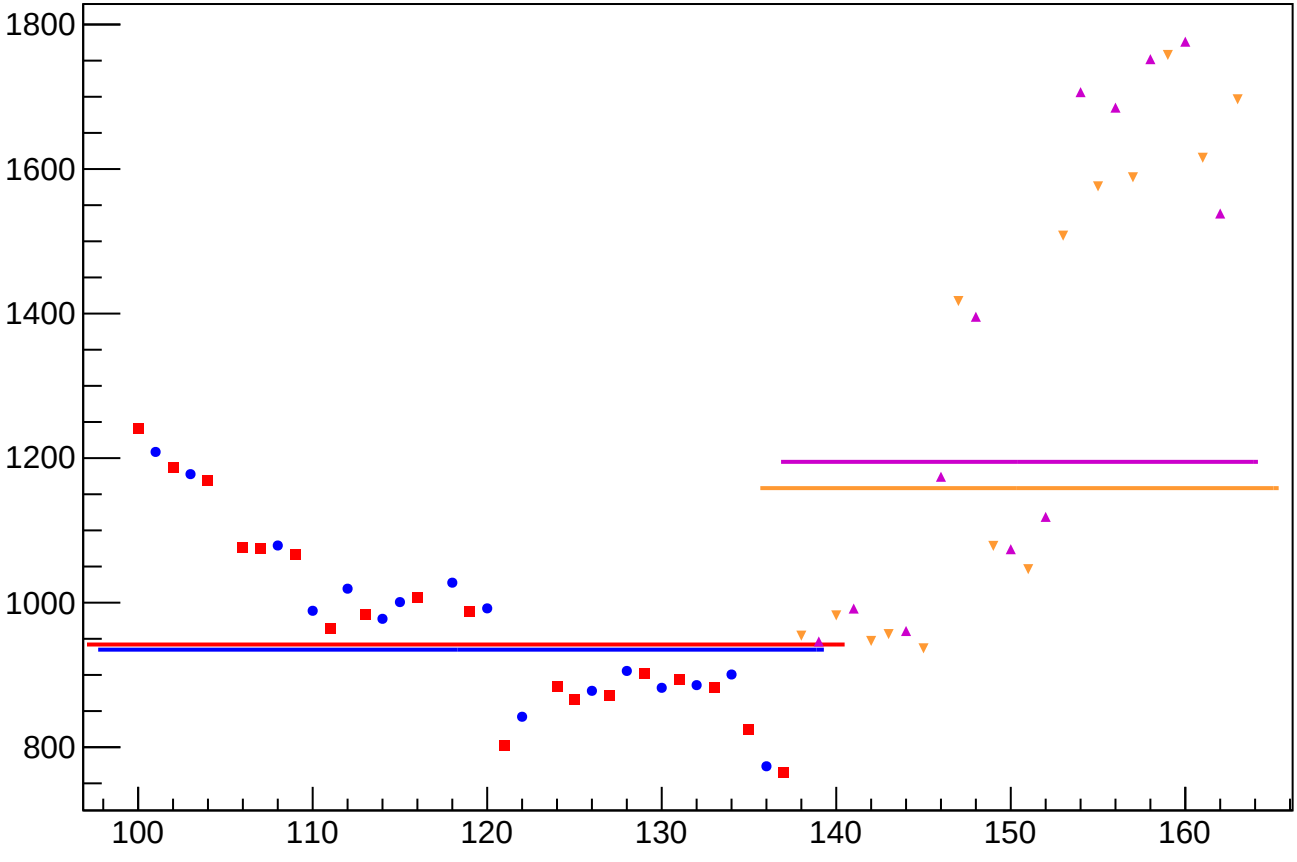
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.618+/-0.259 χ^2/NDF:329.8/27

Out: -1.567+/-0.249 χ^2/NDF:320.2/32

All: -1.111+/-0.179 χ^2/NDF: 656.9/60

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1158.487+/-0.253 χ^2/NDF:1227364.2/13

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1194.849+/-0.271 χ^2/NDF:1085738.6/11

Left: 1175.402+/-0.185 χ^2/NDF: 2322696.6/25

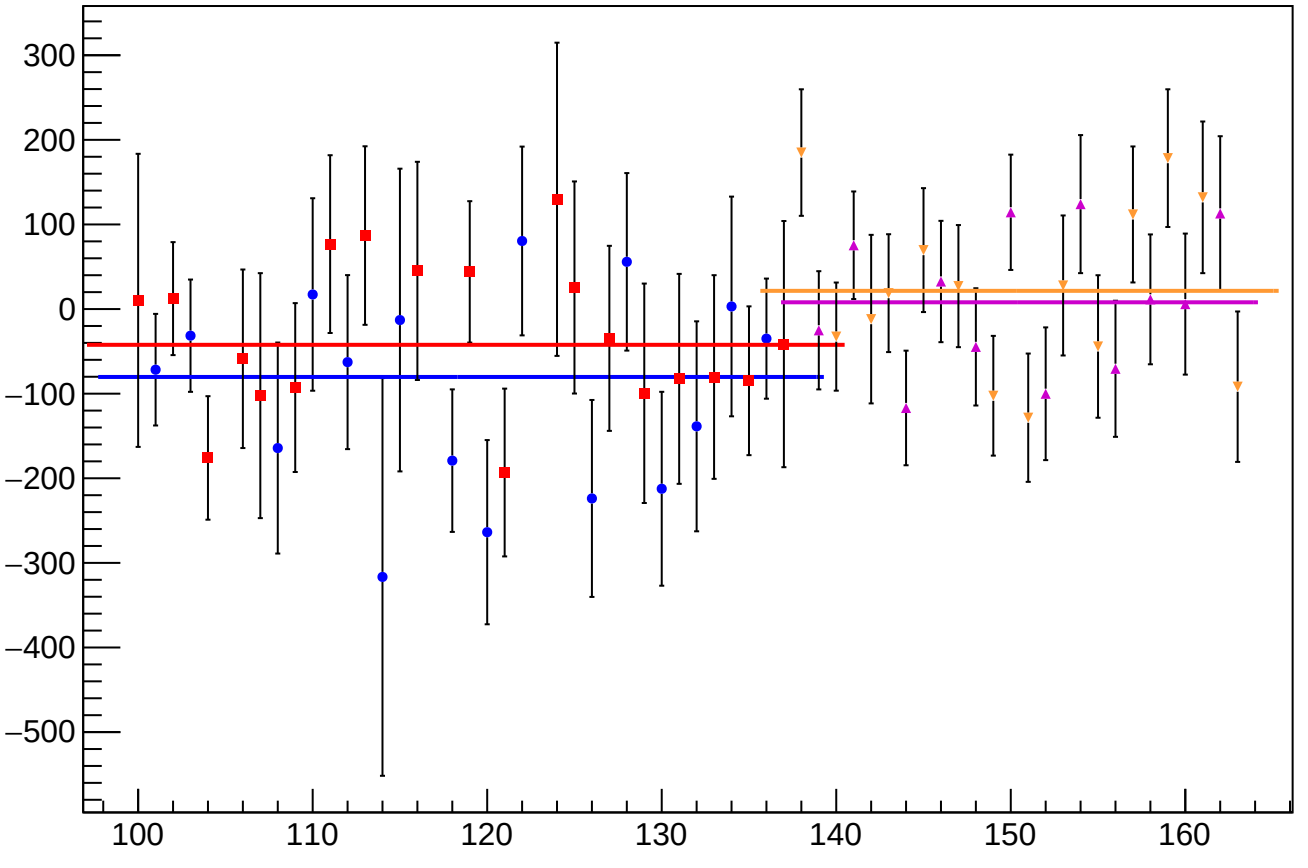
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1053.084+/-0.183 χ^2/NDF:1839933.3/27

Out: 1046.695+/-0.176 χ^2/NDF:1837151.8/32

All: 1049.766+/-0.127 χ^2/NDF: 3677718.0/60

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 21.531+/-20.732 χ^2/NDF:21.8/13

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 7.992+/-21.371 χ^2/NDF:14.1/11

Left: 14.967+/-14.881 χ^2/NDF: 36.1/25

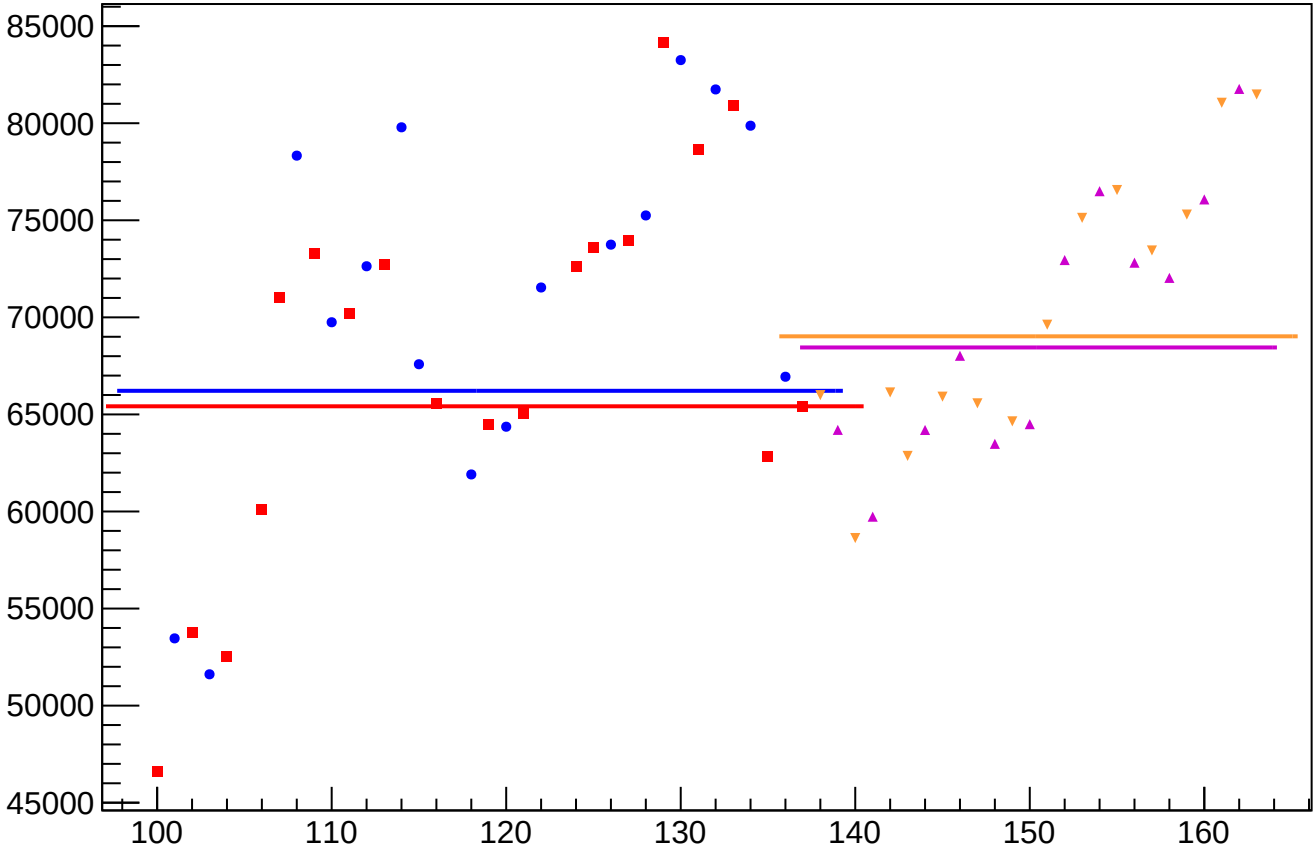
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -29.423+/-16.220 χ^2/NDF:36.1/27

Out: -5.543+/-15.729 χ^2/NDF:38.8/32

All: -17.117+/-11.292 χ^2/NDF: 76.0/60

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 69022.460+/-14.660 χ^2/NDF:209577.7/13

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 68449.240+/-15.112 χ^2/NDF:165526.4/11

Left: 68744.551+/-10.522 χ^2/NDF: 375845.3/25

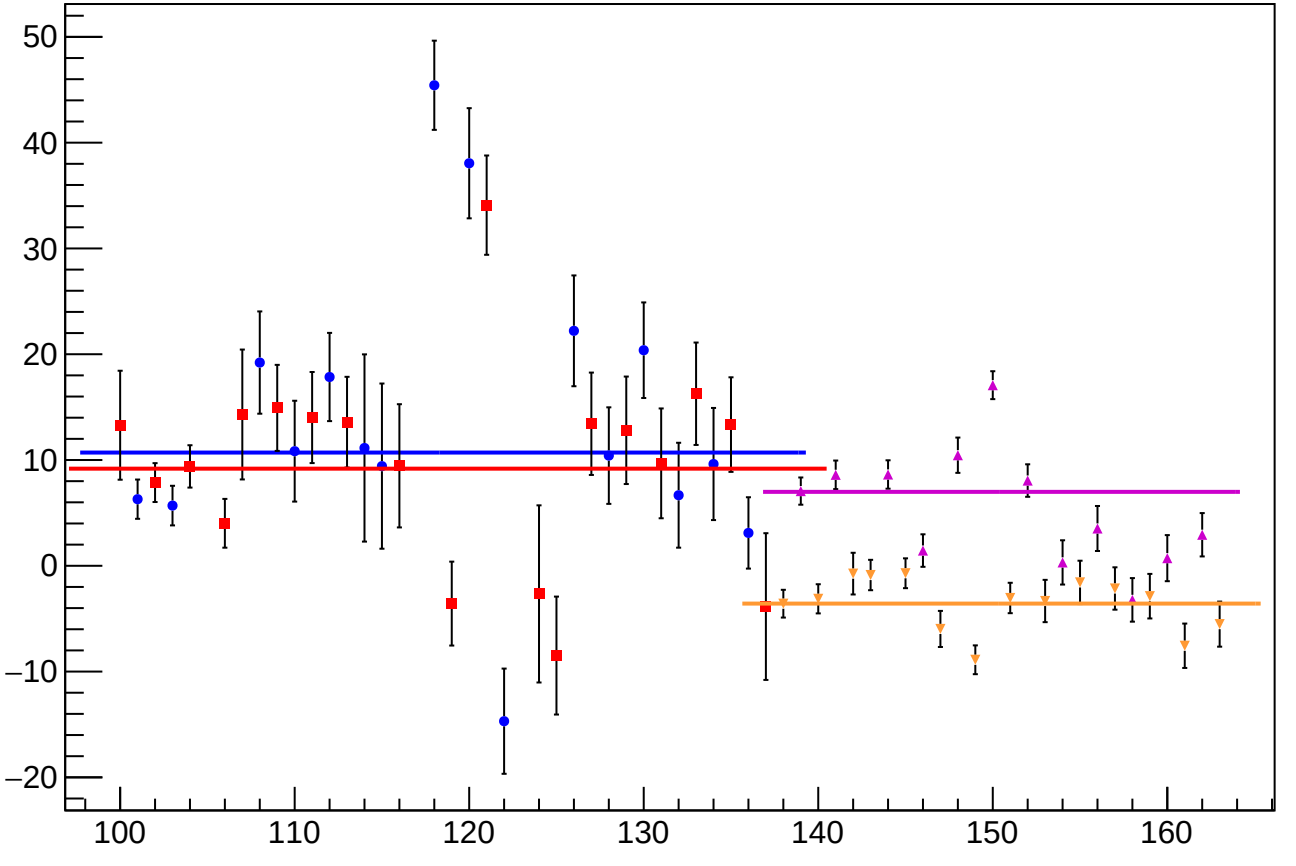
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 67502.379+/-11.469 χ^2/NDF:513163.0/27

Out: 67492.952+/-11.122 χ^2/NDF:539782.4/32

All: 67497.521+/-7.984 χ^2/NDF: 1052945.7/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.573+/-0.442 χ^2/NDF:33.2/13

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 6.989+/-0.465 χ^2/NDF:128.8/11

Left: 1.433+/-0.320 χ^2/NDF: 433.3/25

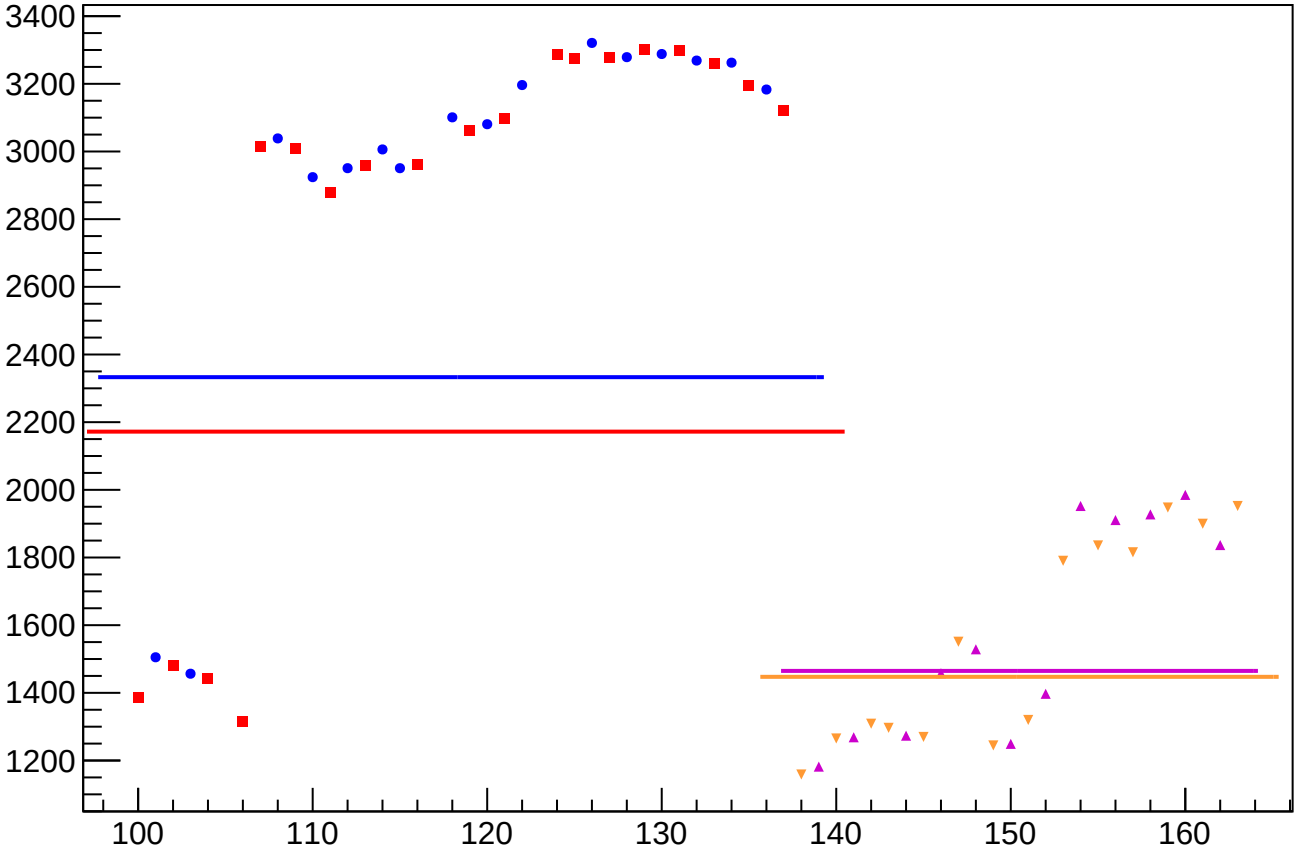
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 7.745+/-0.415 χ^2/NDF:297.3/27

Out: -0.864+/-0.392 χ^2/NDF:280.1/32

All: 3.192+/-0.285 χ^2/NDF: 804.8/60

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1447.324+/-0.312 χ^2/NDF:779259.4/13

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1464.851+/-0.329 χ^2/NDF:717116.3/11

Left: 1455.631+/-0.226 χ^2/NDF: 1497869.6/25

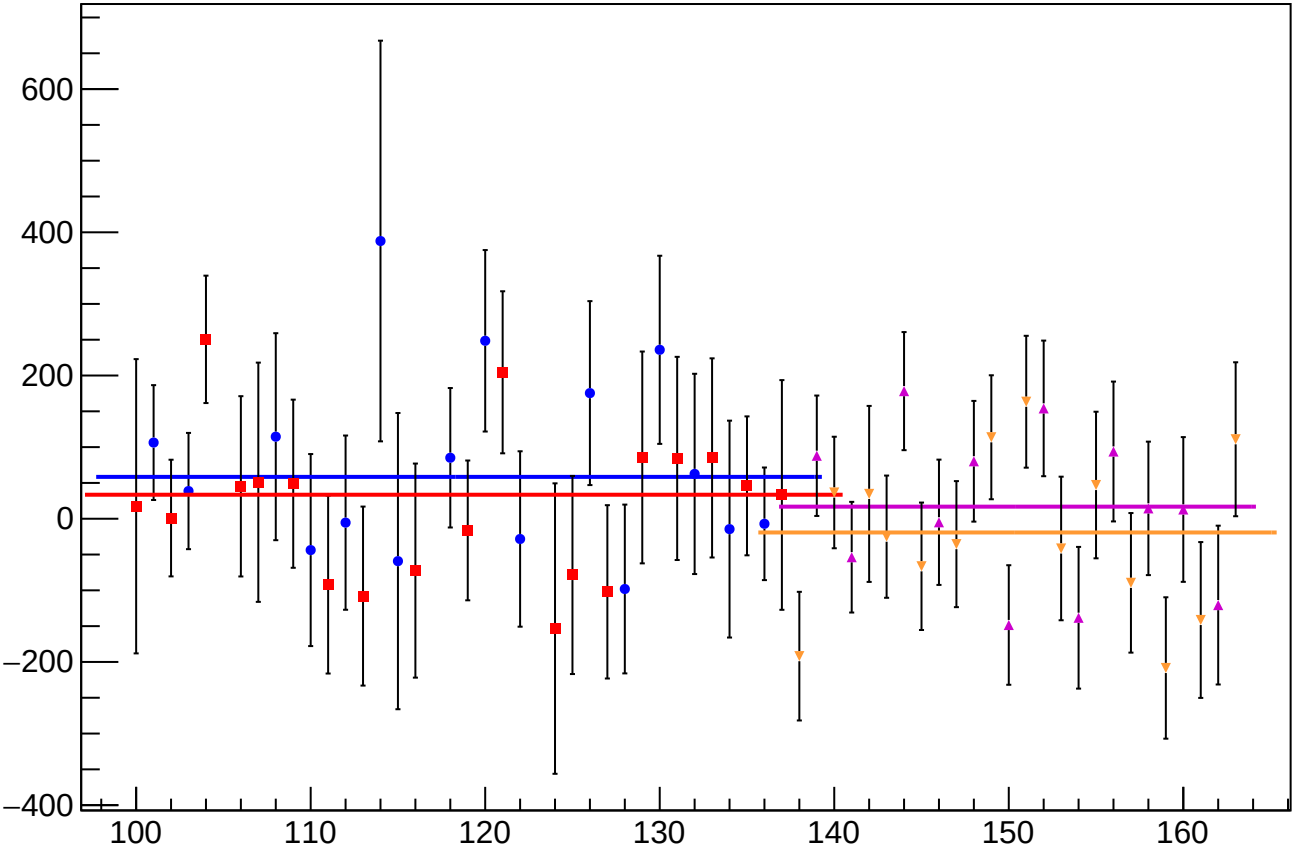
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1641.408+/-0.294 χ^2/NDF:3785634.1/27

Out: 1601.275+/-0.277 χ^2/NDF:3908131.5/32

All: 1620.183+/-0.201 χ^2/NDF: 7703651.2/60

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -19.194+/-25.215 χ^2/NDF:18.4/13

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 16.876+/-25.961 χ^2/NDF:16.6/11

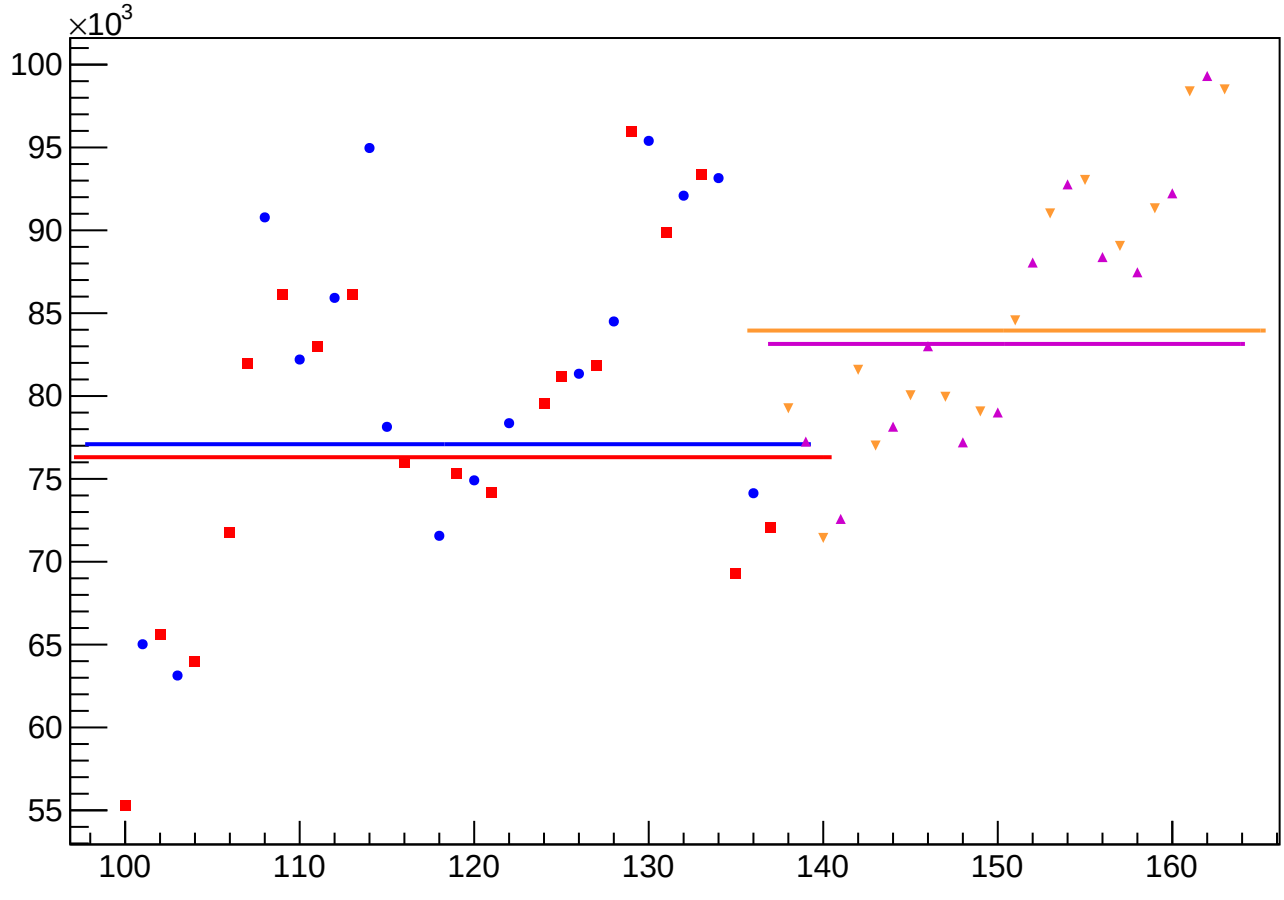
Left: -1.685+/-18.088 χ^2/NDF: 36.0/25

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

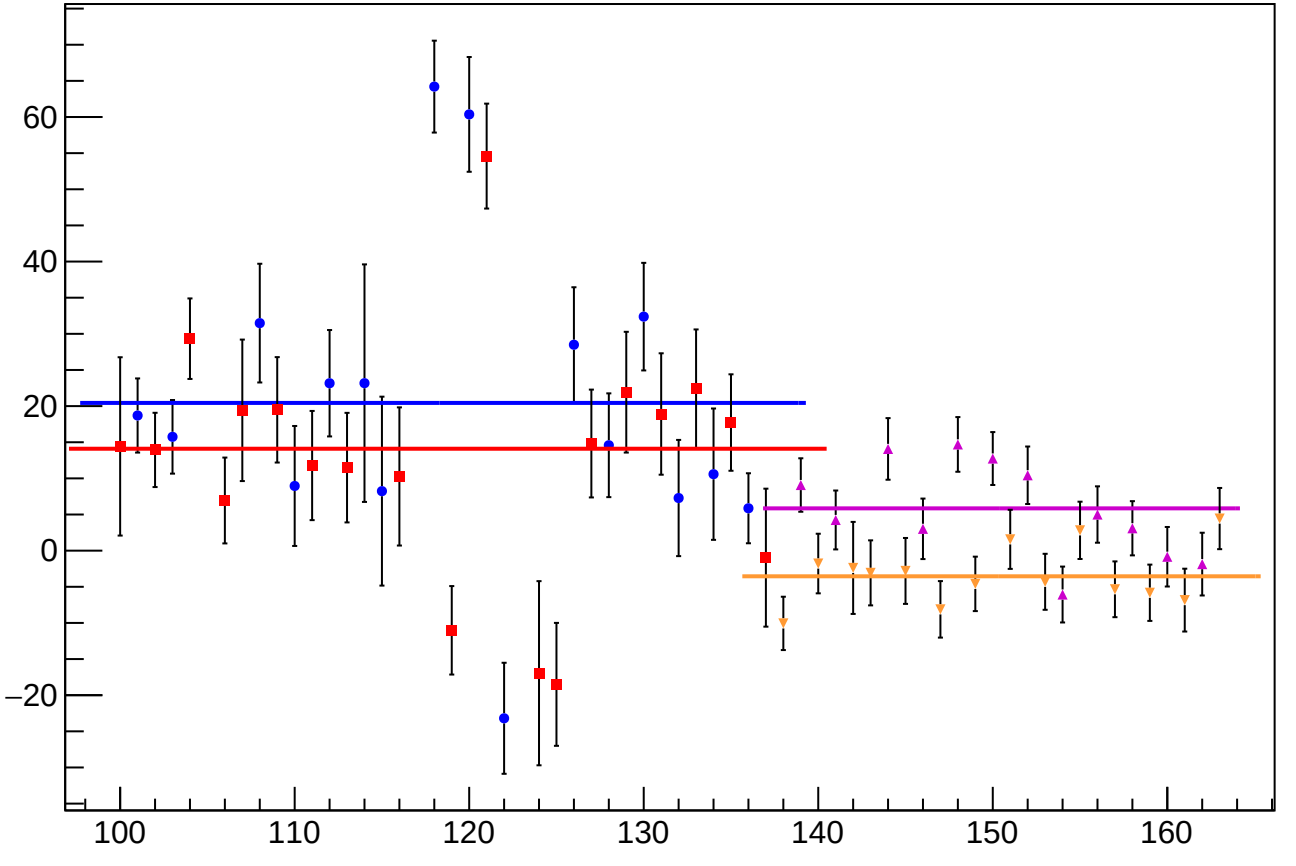
In: 35.428+/-19.318 χ^2/NDF:29.1/27

Out: 4.314+/-18.769 χ^2/NDF:35.0/32

All: 19.422+/-13.461 χ^2/NDF: 65.5/60


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
100
95
90
85
80
75
70
65
60
55
100
110
120
130
140
150
160
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 83951.834+/-17.829 χ²/NDF:199714.8/13
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 83144.337+/-18.357 χ²/NDF:162430.1/11
Left: 83559.857+/-12.790 χ²/NDF: 363140.6/25
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 80443.813+/-13.660 χ²/NDF:459466.1/27
Out: 80543.452+/-13.271 χ²/NDF:516096.8/32
All: 80495.070+/-9.519 χ²/NDF: 975590.3/60

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.549+/-1.103 χ^2/NDF:13.7/13

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 5.851+/-1.140 χ^2/NDF:31.3/11

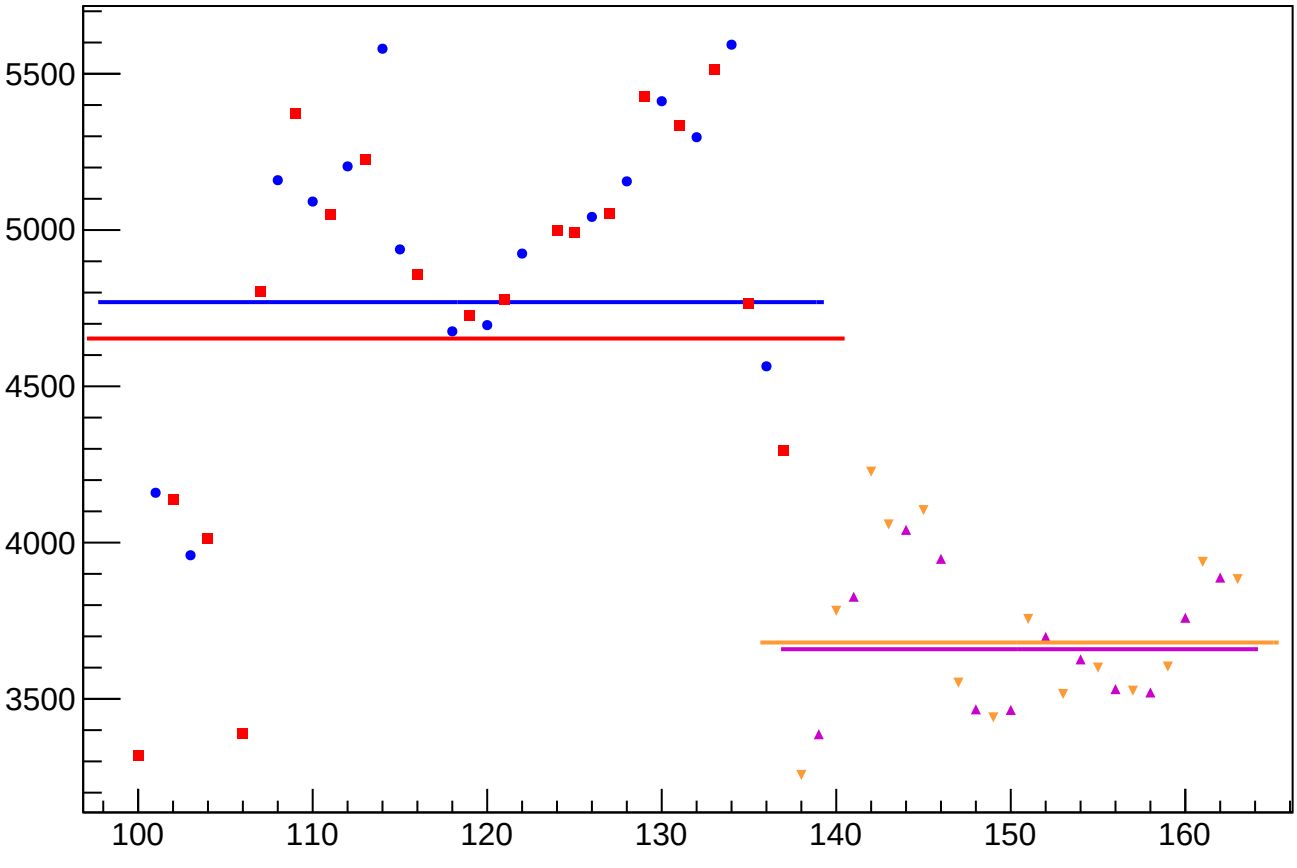
Left: 0.994+/-0.793 χ^2/NDF: 80.1/25

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 10.090+/-0.961 χ^2/NDF:206.7/27

Out: 1.621+/-0.927 χ^2/NDF:172.5/32

All: 5.707+/-0.667 χ^2/NDF: 419.5/60



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3680.358+/-0.780 χ^2/NDF:104645.7/13

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3658.951+/-0.806 χ^2/NDF:62590.0/11

Left: 3670.013+/-0.561 χ^2/NDF: 167599.9/25

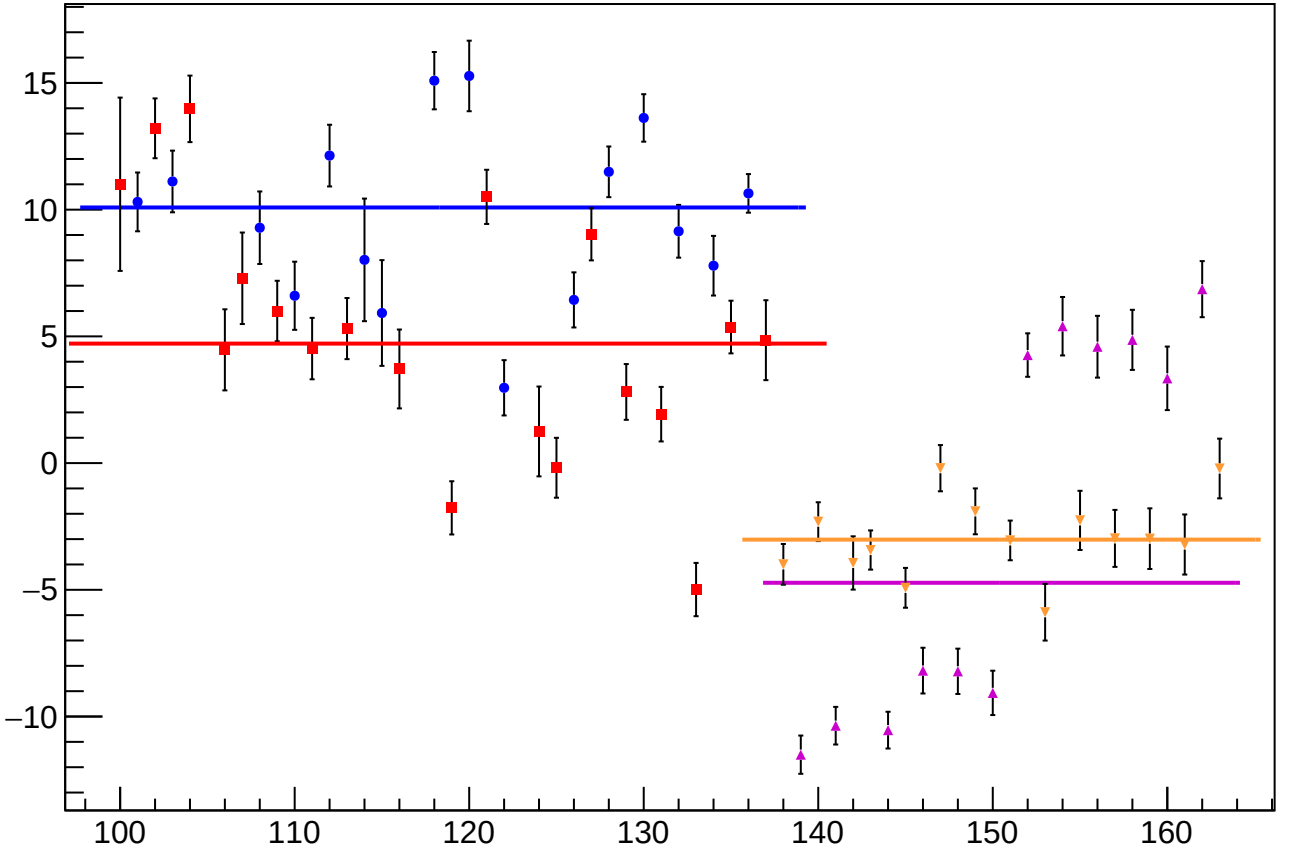
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 3981.587+/-0.679 χ^2/NDF:765243.2/27

Out: 3965.201+/-0.656 χ^2/NDF:825332.3/32

All: 3973.106+/-0.472 χ^2/NDF: 1590876.8/60

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.019+/-0.250 χ^2/NDF:33.0/13

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -4.723+/-0.265 χ^2/NDF:718.8/11

Left: -3.821+/-0.182 χ^2/NDF: 773.7/25

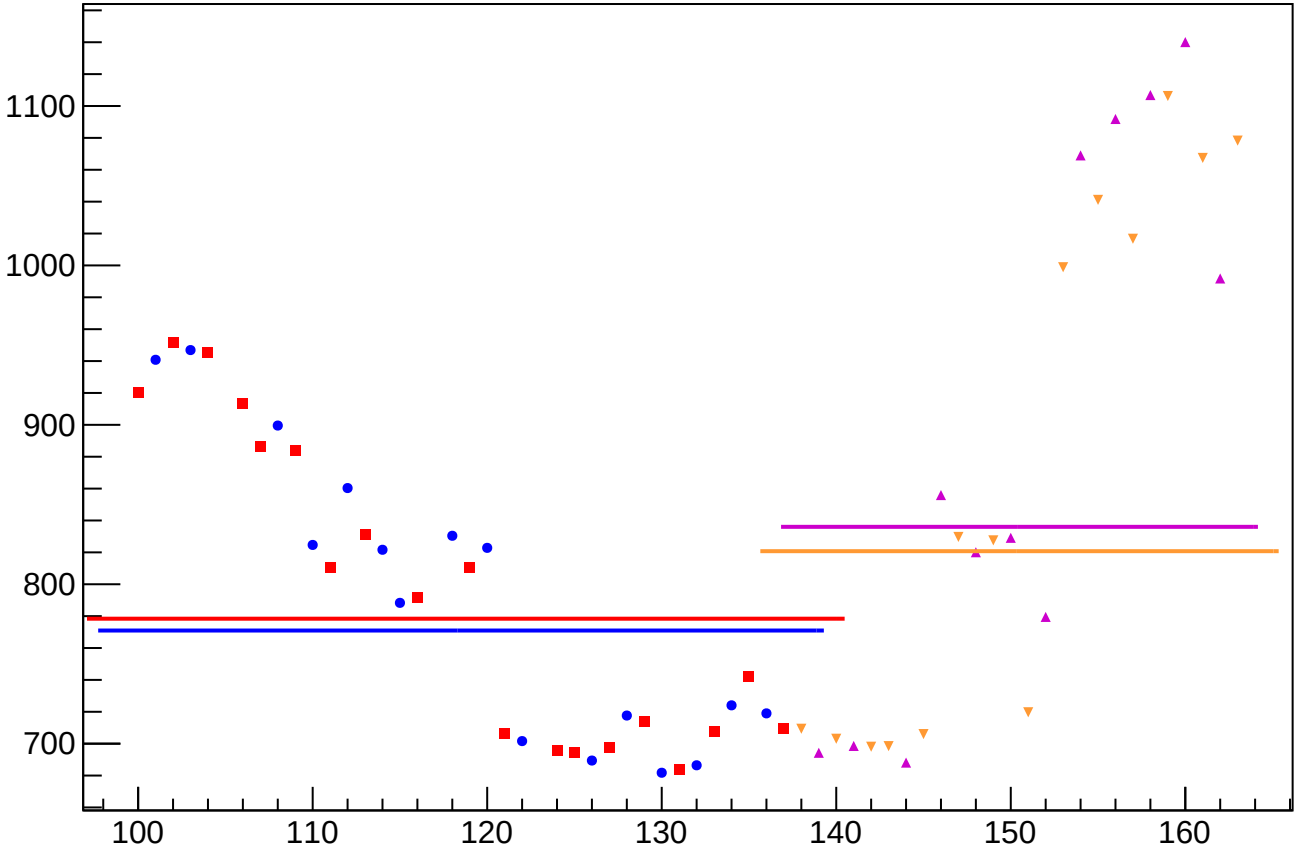
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.067+/-0.195 χ^2/NDF:2270.8/27

Out: 0.338+/-0.188 χ^2/NDF:757.8/32

All: 1.171+/-0.136 χ^2/NDF: 3069.2/60

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 820.744+/-0.177 χ^2/NDF:718123.5/13

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 836.019+/-0.188 χ^2/NDF:664005.6/11

Left: 827.936+/-0.129 χ^2/NDF: 1385635.8/25

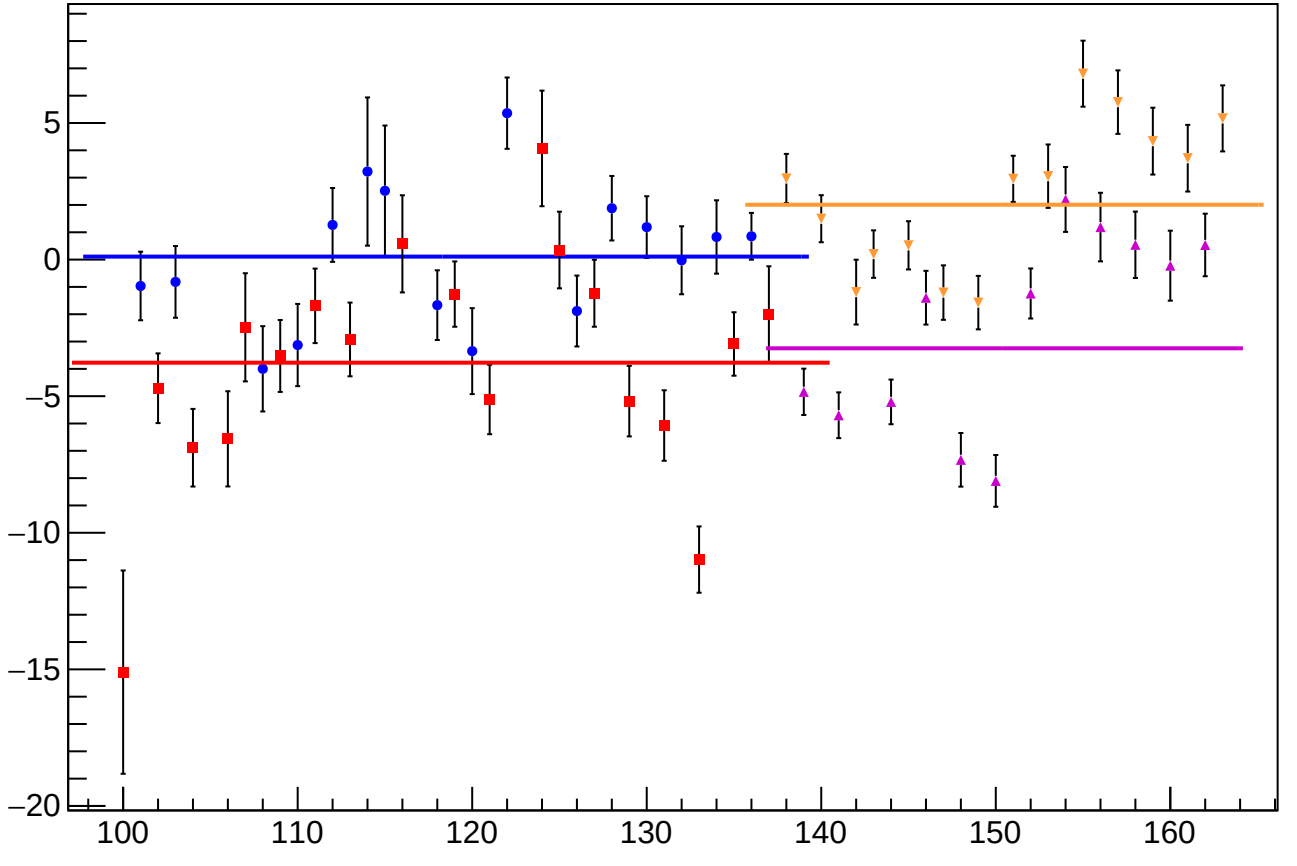
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 806.196+/-0.138 χ^2/NDF:912017.6/27

Out: 802.358+/-0.133 χ^2/NDF:939523.7/32

All: 804.207+/-0.096 χ^2/NDF: 1851941.7/60

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 2.007+/-0.272 χ^2/NDF:80.4/13

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -3.247+/-0.288 χ^2/NDF:129.4/11

Left: -0.470+/-0.198 χ^2/NDF: 386.1/25

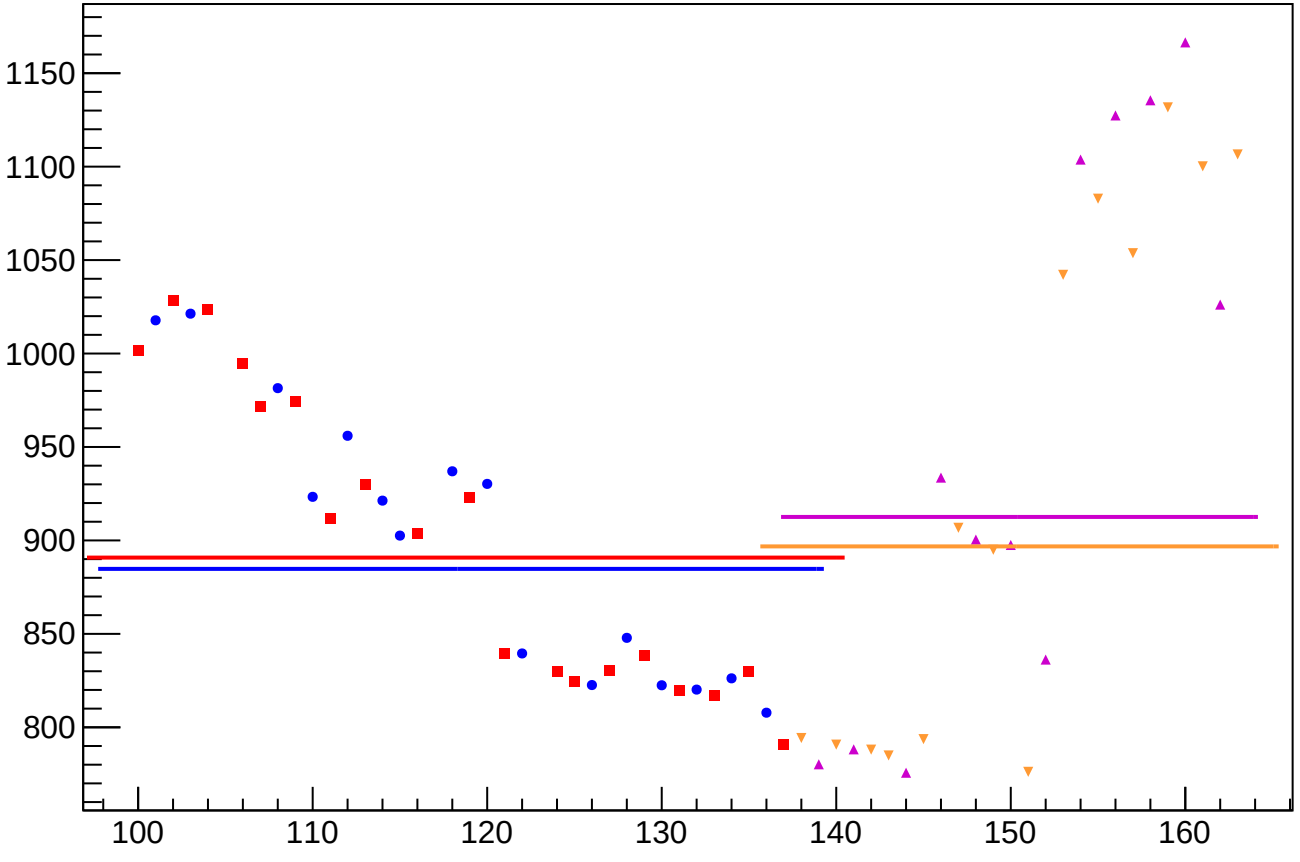
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.797+/-0.217 χ^2/NDF:233.6/27

Out: -0.362+/-0.209 χ^2/NDF:365.5/32

All: -1.052+/-0.150 χ^2/NDF: 621.8/60

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 896.801+/-0.192 χ^2/NDF:479169.1/13

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 912.568+/-0.203 χ^2/NDF:440425.8/11

Left: 904.234+/-0.140 χ^2/NDF: 922769.2/25

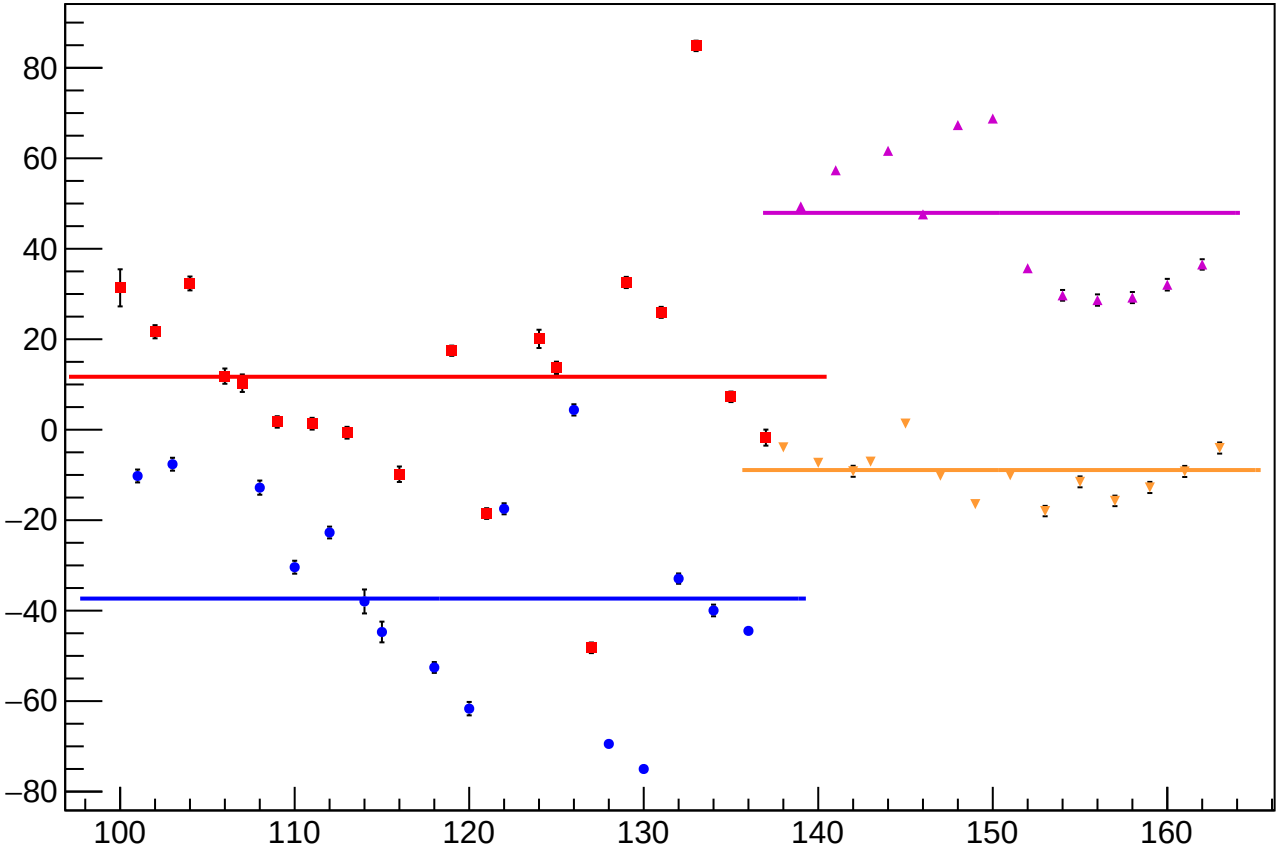
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 900.559+/-0.153 χ^2/NDF:552982.8/27

Out: 894.348+/-0.148 χ^2/NDF:587330.4/32

All: 897.335+/-0.106 χ^2/NDF: 1141164.9/60

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.918+/-0.276 χ^2/NDF:348.5/13

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 47.938+/-0.294 χ^2/NDF:2277.8/11

Left: 17.713+/-0.201 χ^2/NDF: 22512.3/25

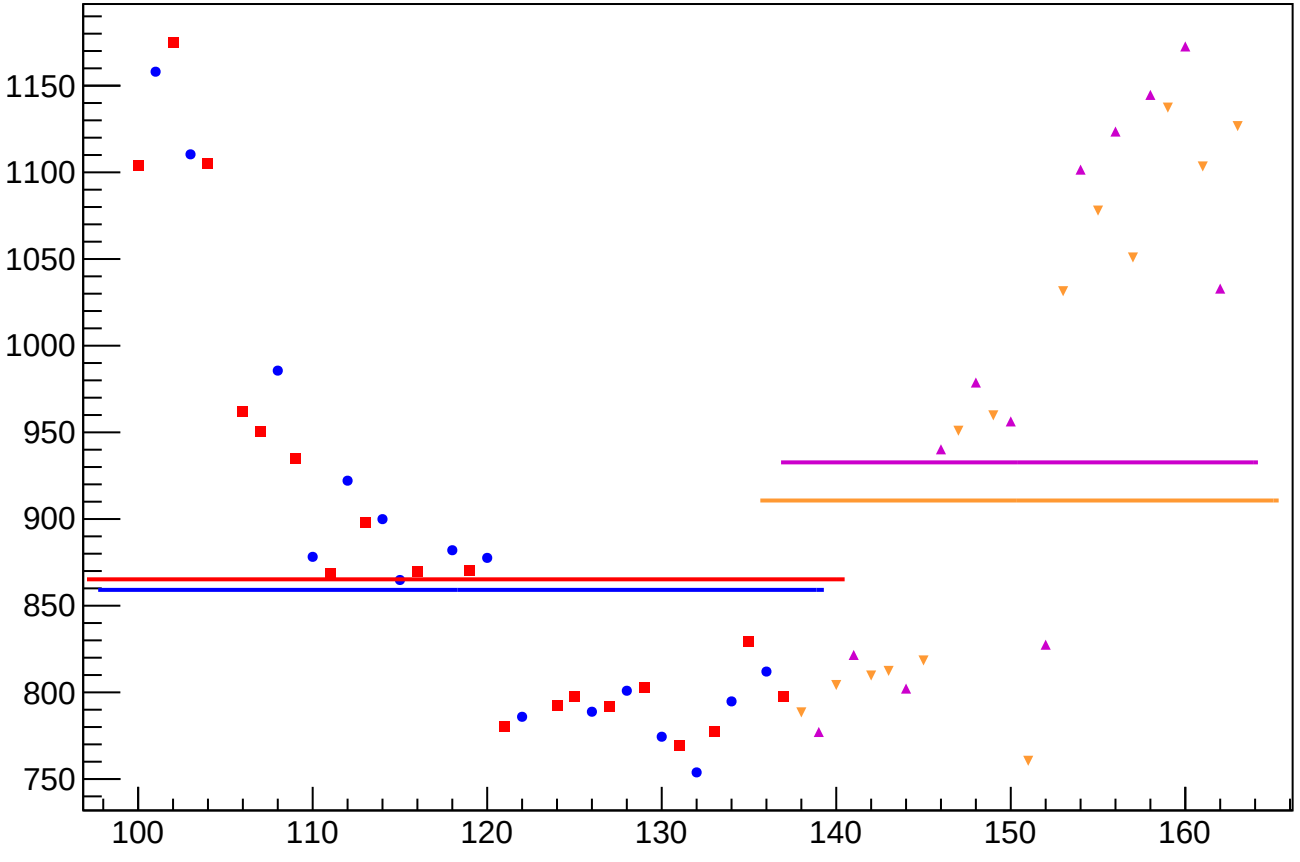
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.142+/-0.217 χ^2/NDF:45743.3/27

Out: -0.057+/-0.208 χ^2/NDF:11212.5/32

All: 4.356+/-0.150 χ^2/NDF: 57890.5/60

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 910.685+/-0.195 χ^2/NDF:467199.0/13

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 932.683+/-0.208 χ^2/NDF:410890.4/11

Left: 920.989+/-0.142 χ^2/NDF: 884042.9/25

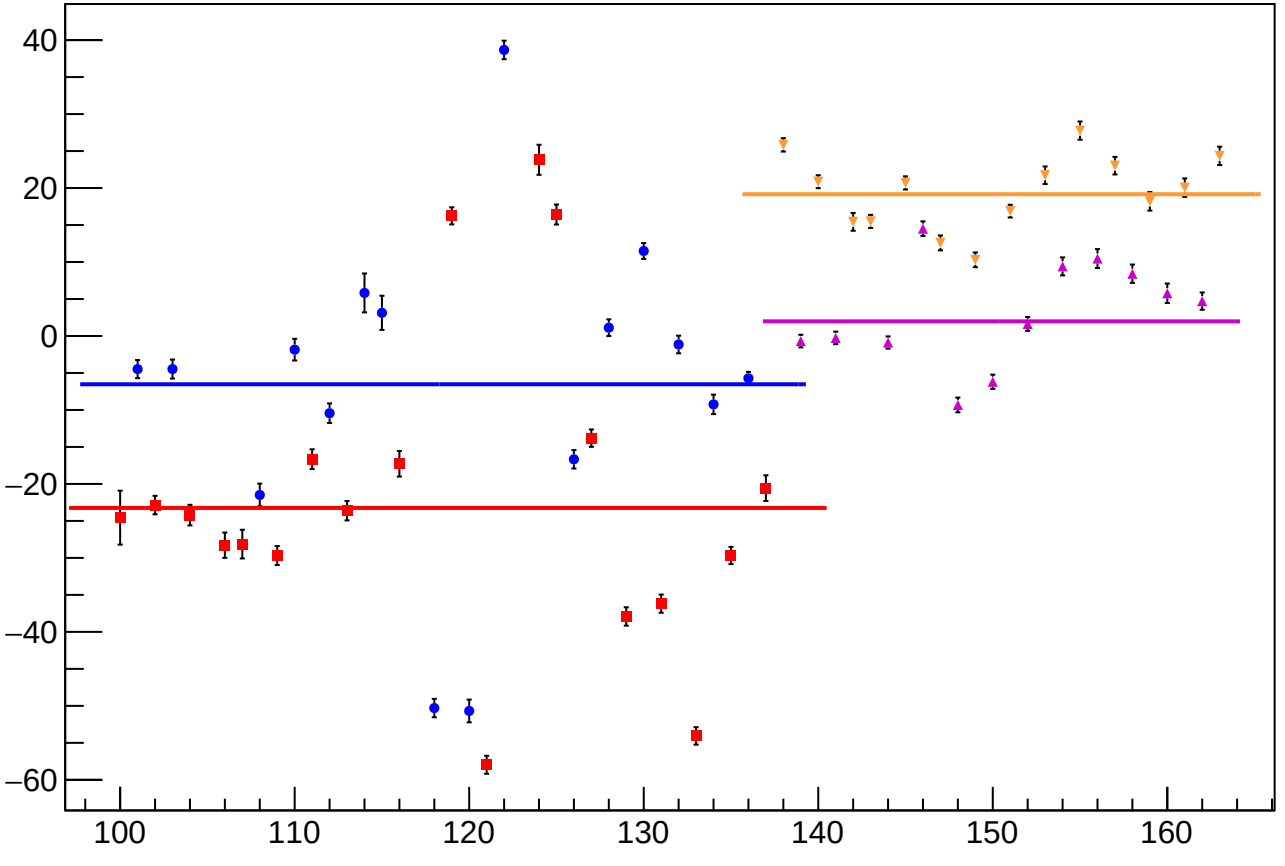
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 899.215+/-0.153 χ^2/NDF:696575.6/27

Out: 891.147+/-0.147 χ^2/NDF:714204.5/32

All: 895.018+/-0.106 χ^2/NDF: 1412218.1/60

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 19.163+/-0.276 χ^2/NDF:298.5/13

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 1.982+/-0.293 χ^2/NDF:511.8/11

Left: 11.067+/-0.201 χ^2/NDF: 2630.2/25

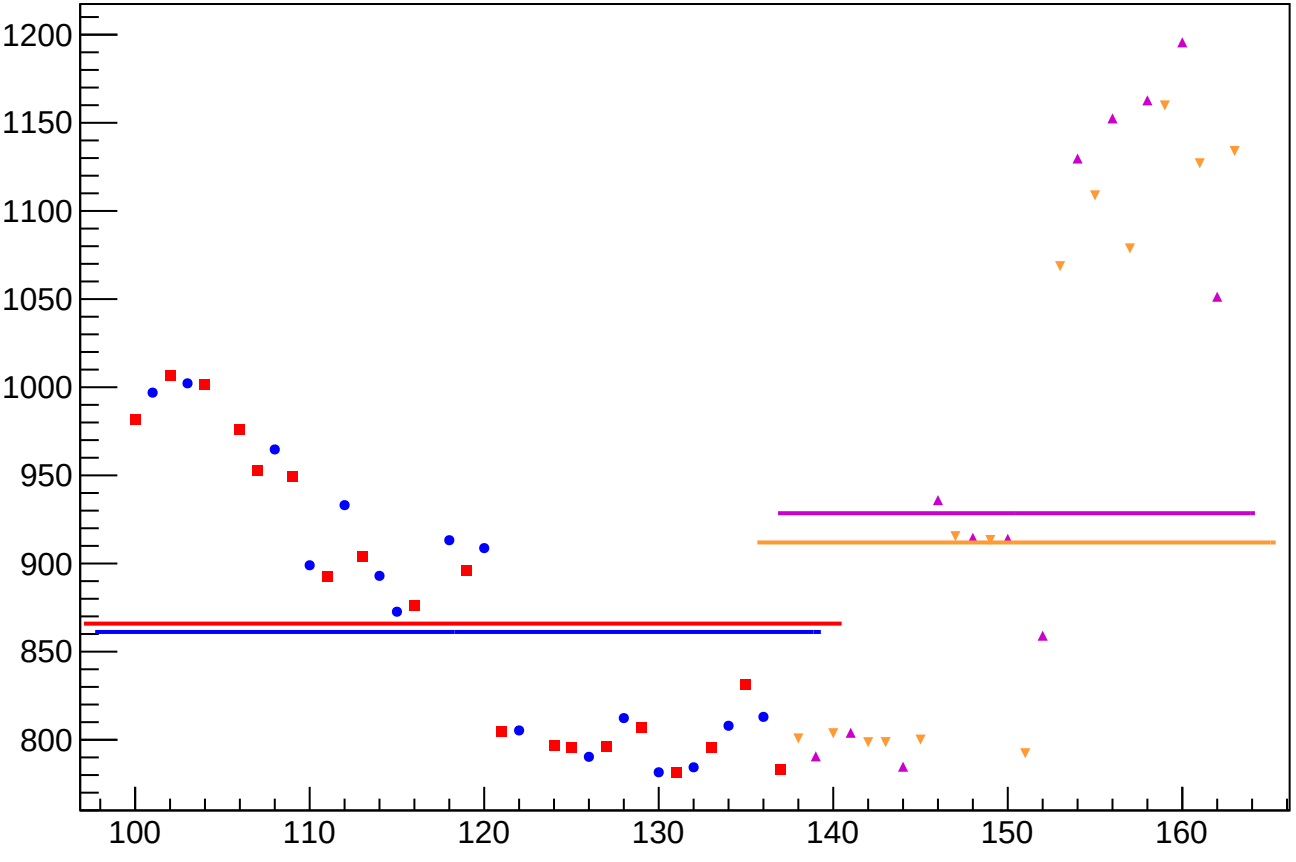
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -1.881+/-0.216 χ^2/NDF:4841.3/27

Out: 0.844+/-0.208 χ^2/NDF:14932.3/32

All: -0.467+/-0.150 χ^2/NDF: 19855.9/60

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 911.942+/-0.195 χ^2/NDF:507642.5/13

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 928.541+/-0.207 χ^2/NDF:457721.5/11

Left: 919.764+/-0.142 χ^2/NDF: 968761.2/25

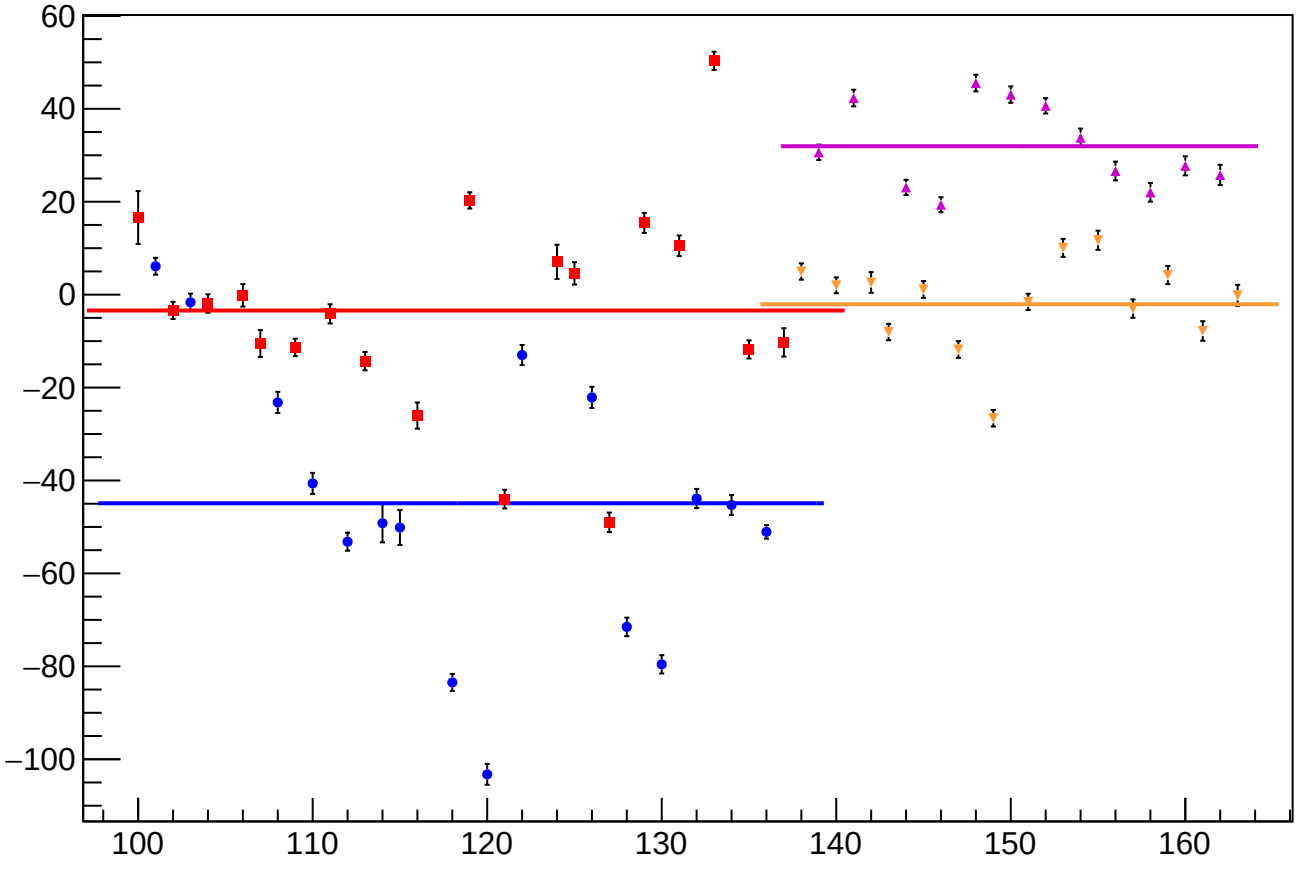
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 897.957+/-0.153 χ^2/NDF:619299.8/27

Out: 892.056+/-0.147 χ^2/NDF:650015.6/32

All: 894.895+/-0.106 χ^2/NDF: 1270087.2/60

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -2.068+/-0.507 χ^2/NDF:363.0/13

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 31.950+/-0.526 χ^2/NDF:292.2/11

Left: 14.335+/-0.365 χ^2/NDF: 2822.9/25

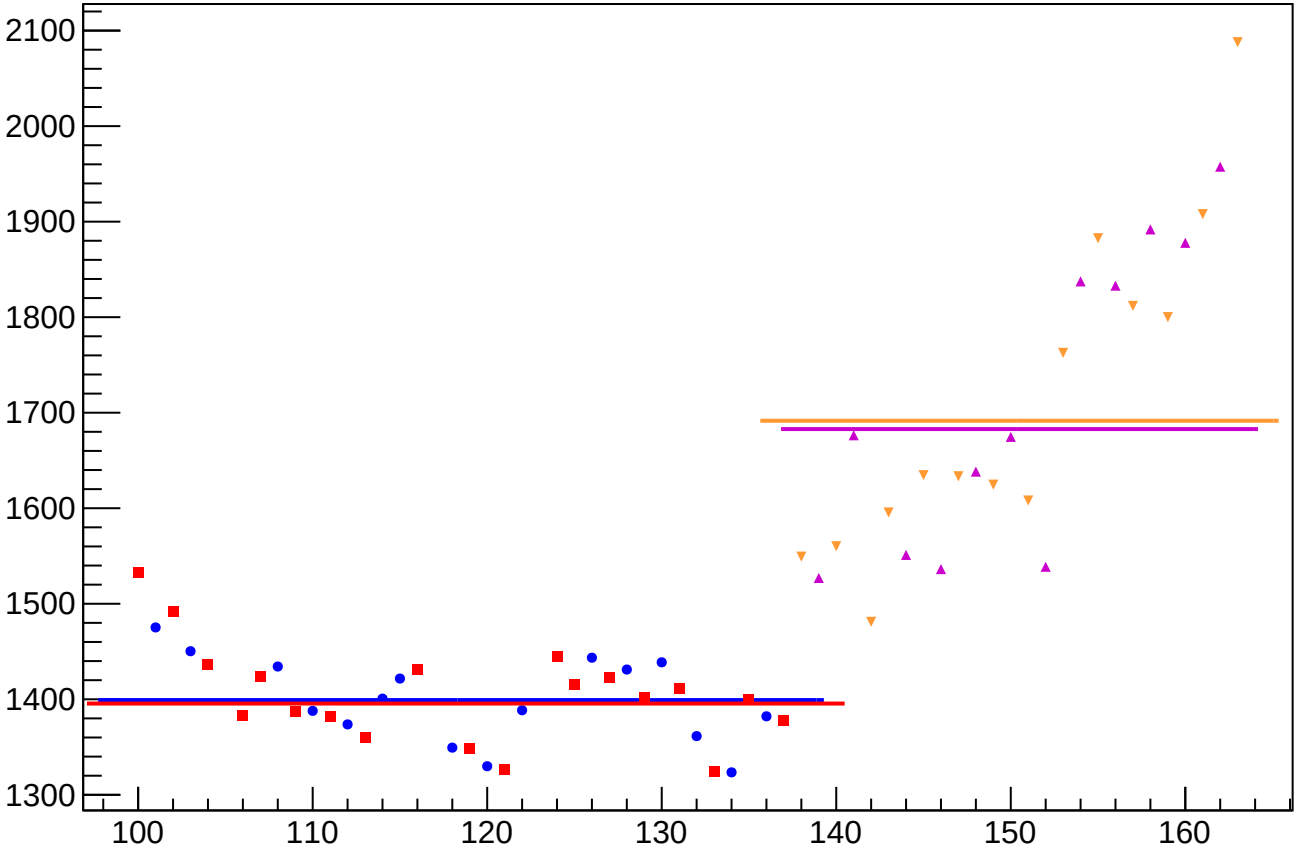
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -6.909+/-0.370 χ^2/NDF:14473.4/27

Out: -2.740+/-0.359 χ^2/NDF:2468.7/32

All: -4.766+/-0.258 χ^2/NDF: 17007.5/60

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1691.564+/-0.359 χ^2/NDF:175371.5/13

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1682.877+/-0.372 χ^2/NDF:157847.2/11

Left: 1687.375+/-0.258 χ^2/NDF: 333501.5/25

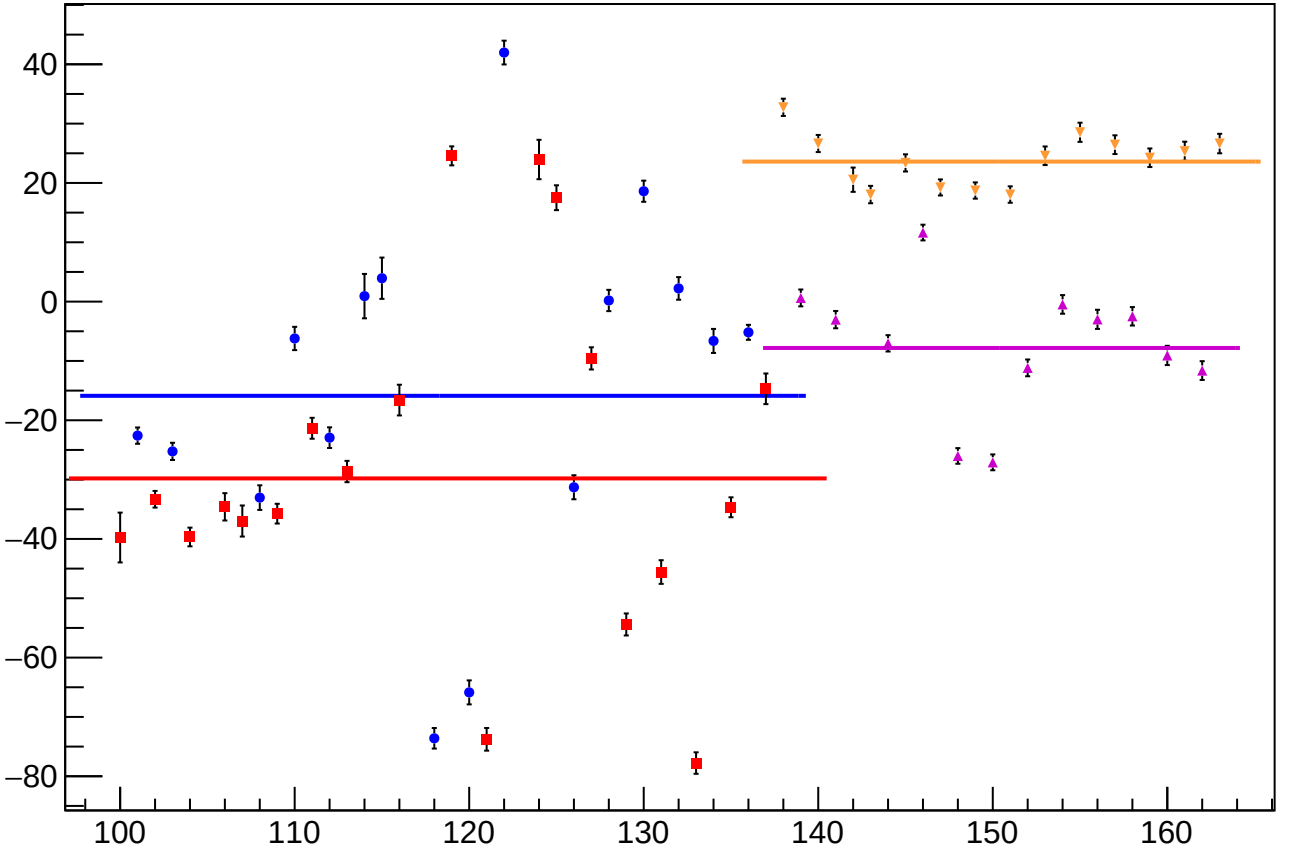
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1539.430+/-0.261 χ^2/NDF:467126.4/27

Out: 1544.078+/-0.254 χ^2/NDF:530822.7/32

All: 1541.820+/-0.182 χ^2/NDF: 998111.6/60

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 23.601+/-0.405 χ^2/NDF:117.5/13

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -7.814+/-0.419 χ^2/NDF:715.7/11

Left: 8.436+/-0.291 χ^2/NDF: 3735.0/25

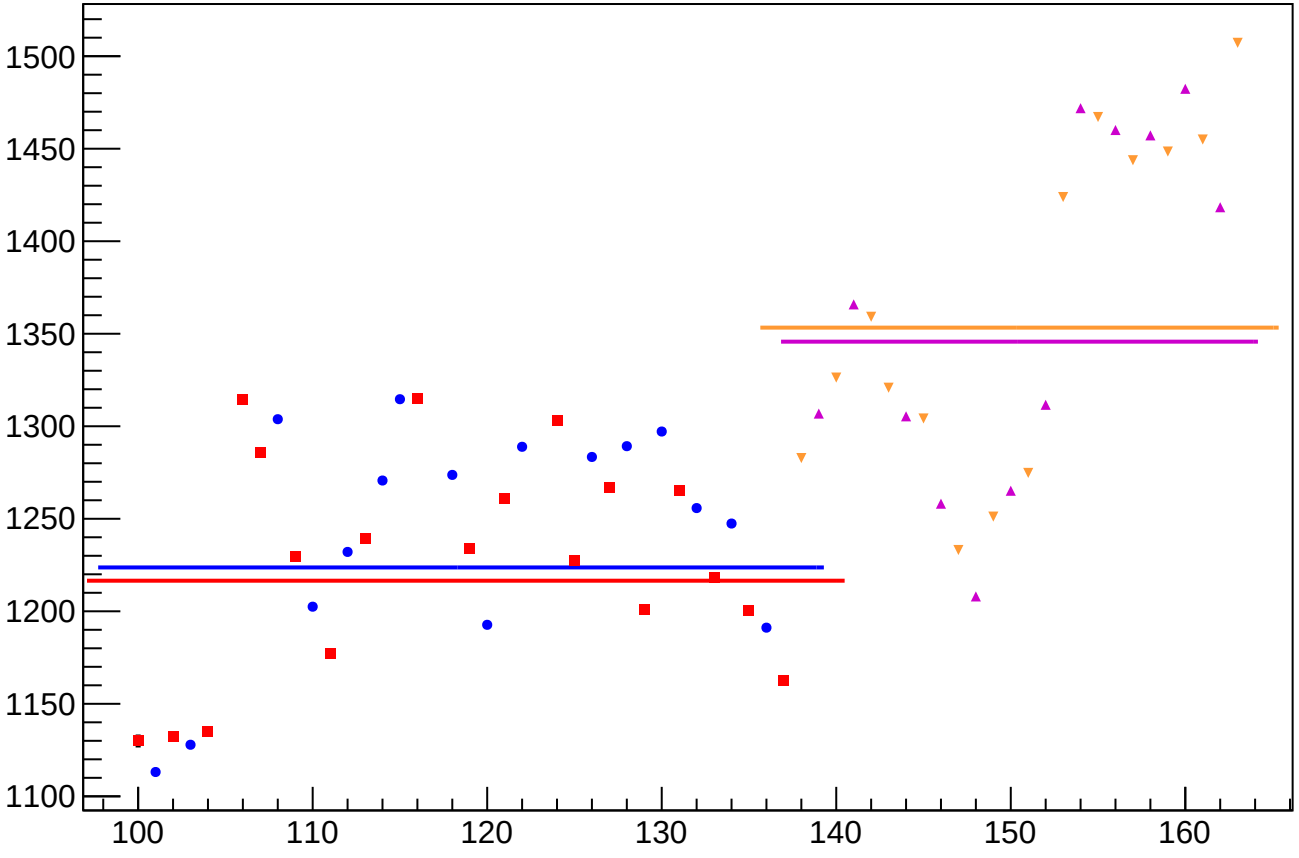
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -11.516+/-0.308 χ^2/NDF:4363.2/27

Out: -0.642+/-0.299 χ^2/NDF:11684.6/32

All: -5.917+/-0.215 χ^2/NDF: 16687.7/60

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1353.307+/-0.286 χ^2/NDF:95528.8/13

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1345.719+/-0.297 χ^2/NDF:94334.6/11

Left: 1349.644+/-0.206 χ^2/NDF: 190202.0/25

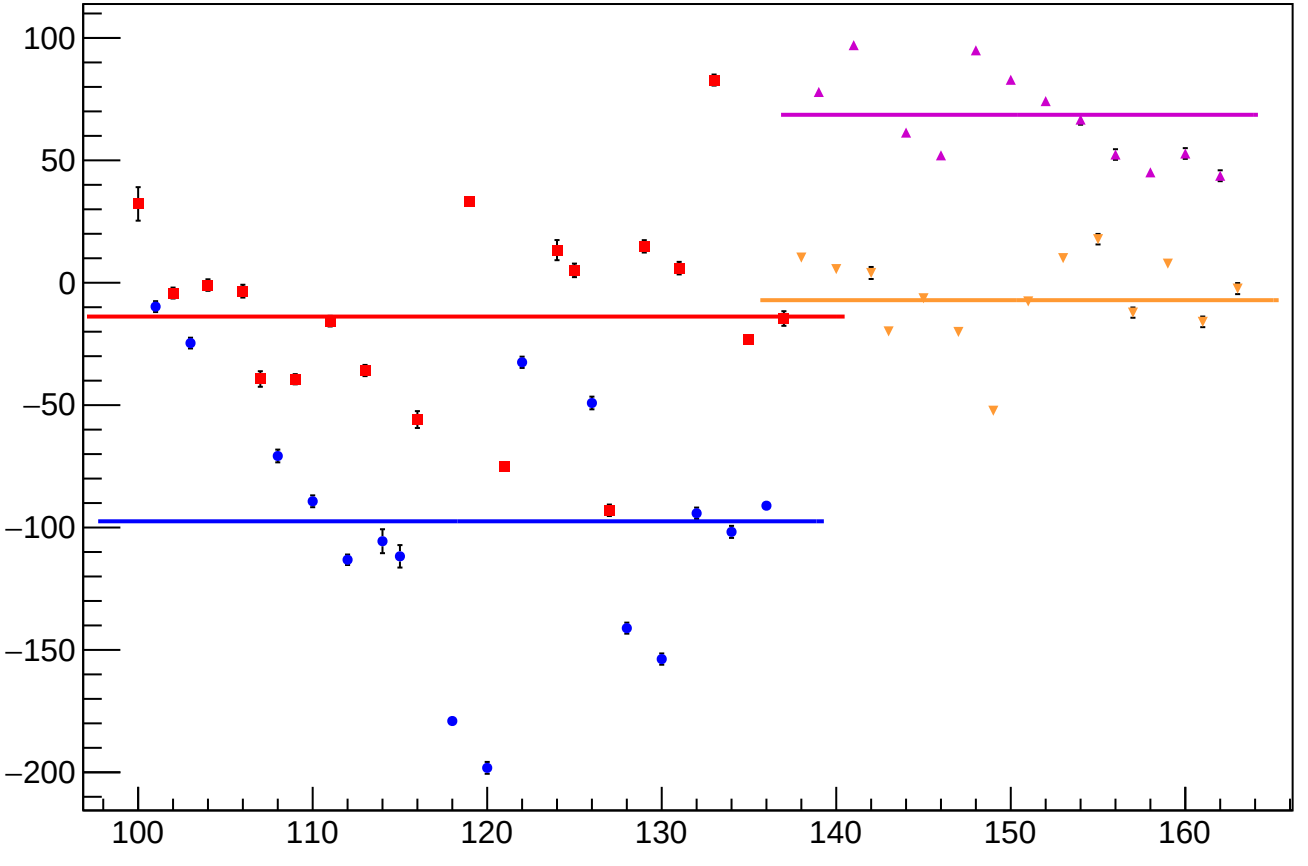
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1289.699+/-0.218 χ^2/NDF:212930.9/27

Out: 1291.216+/-0.212 χ^2/NDF:228372.9/32

All: 1290.480+/-0.152 χ^2/NDF: 441328.7/60

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -7.122+/-0.522 χ^2/NDF:1189.3/13

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 68.611+/-0.543 χ^2/NDF:1059.4/11

Left: 29.241+/-0.376 χ^2/NDF: 12354.2/25

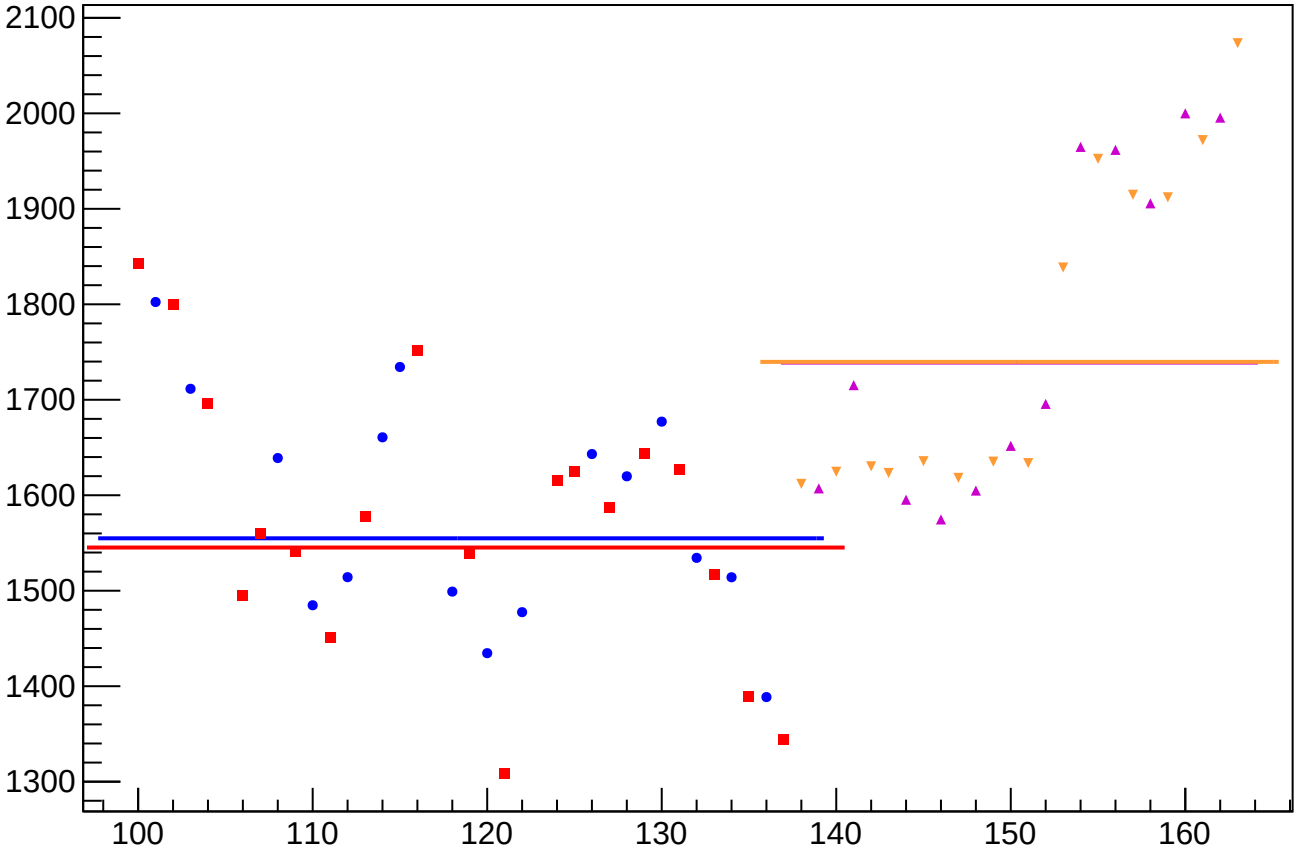
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -9.067+/-0.396 χ^2/NDF:53080.2/27

Out: -10.201+/-0.384 χ^2/NDF:6617.1/32

All: -9.652+/-0.276 χ^2/NDF: 59701.5/60

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1739.702+/-0.369 χ^2/NDF:179113.9/13

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1738.960+/-0.384 χ^2/NDF:176595.6/11

Left: 1739.346+/-0.266 χ^2/NDF: 355711.4/25

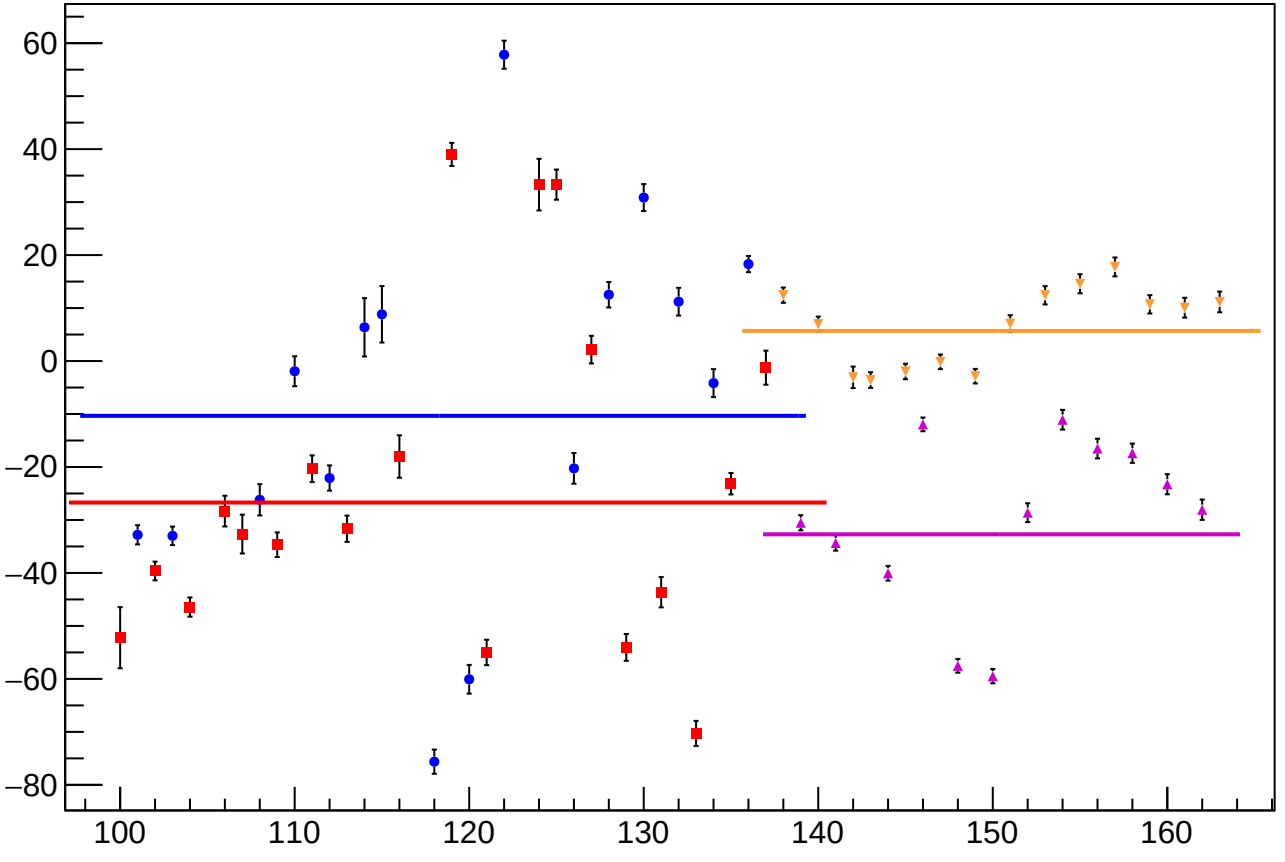
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1652.869+/-0.280 χ^2/NDF:371922.6/27

Out: 1650.262+/-0.271 χ^2/NDF:415554.8/32

All: 1651.523+/-0.195 χ^2/NDF: 787522.1/60

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 5.688+/-0.429 χ^2/NDF:272.7/13

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -32.707+/-0.449 χ^2/NDF:1370.2/11

Left: -12.651+/-0.310 χ^2/NDF: 5463.1/25

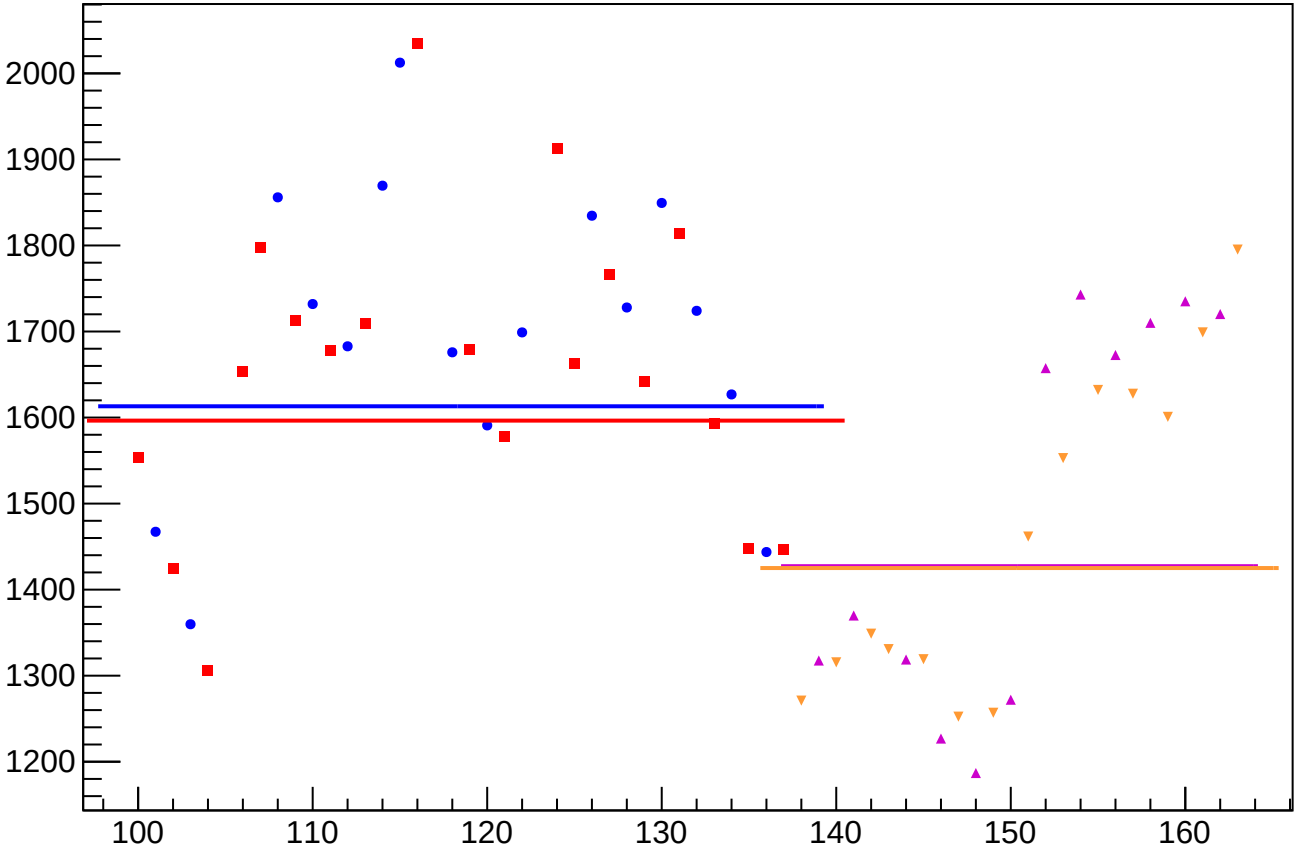
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -24.734+/-0.360 χ^2/NDF:5261.7/27

Out: -5.619+/-0.346 χ^2/NDF:4800.8/32

All: -14.805+/-0.250 χ^2/NDF: 11525.8/60

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1425.093+/-0.304 χ^2/NDF:316604.3/13

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1427.265+/-0.317 χ^2/NDF:443537.9/11

Left: 1426.131+/-0.219 χ^2/NDF: 760166.7/25

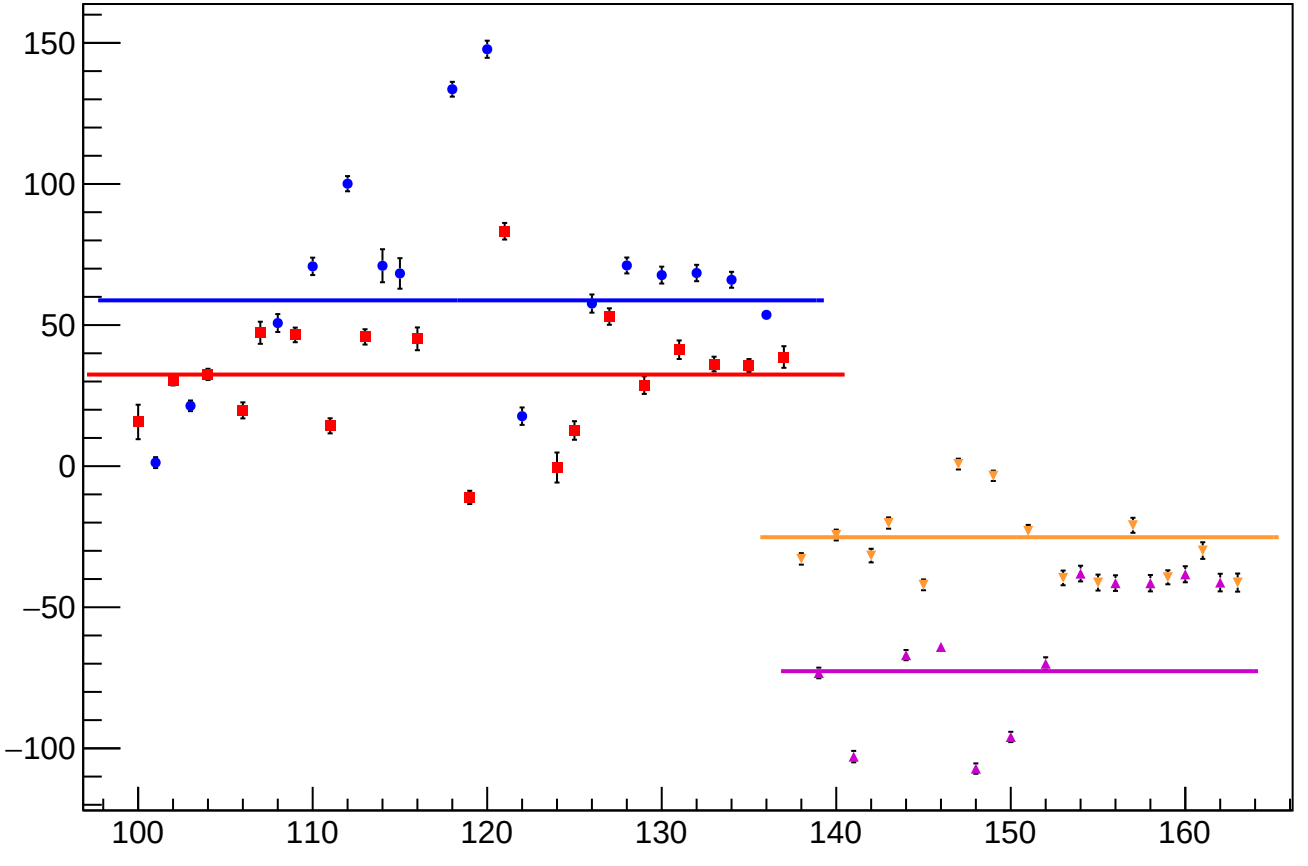
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1493.521+/-0.255 χ^2/NDF:720413.9/27

Out: 1484.895+/-0.245 χ^2/NDF:588503.5/32

All: 1489.040+/-0.177 χ^2/NDF: 1309513.4/60

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -25.175+/-0.600 χ^2/NDF:556.8/13

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -72.654+/-0.627 χ^2/NDF:1416.9/11

Left: -47.867+/-0.434 χ^2/NDF: 4965.6/25

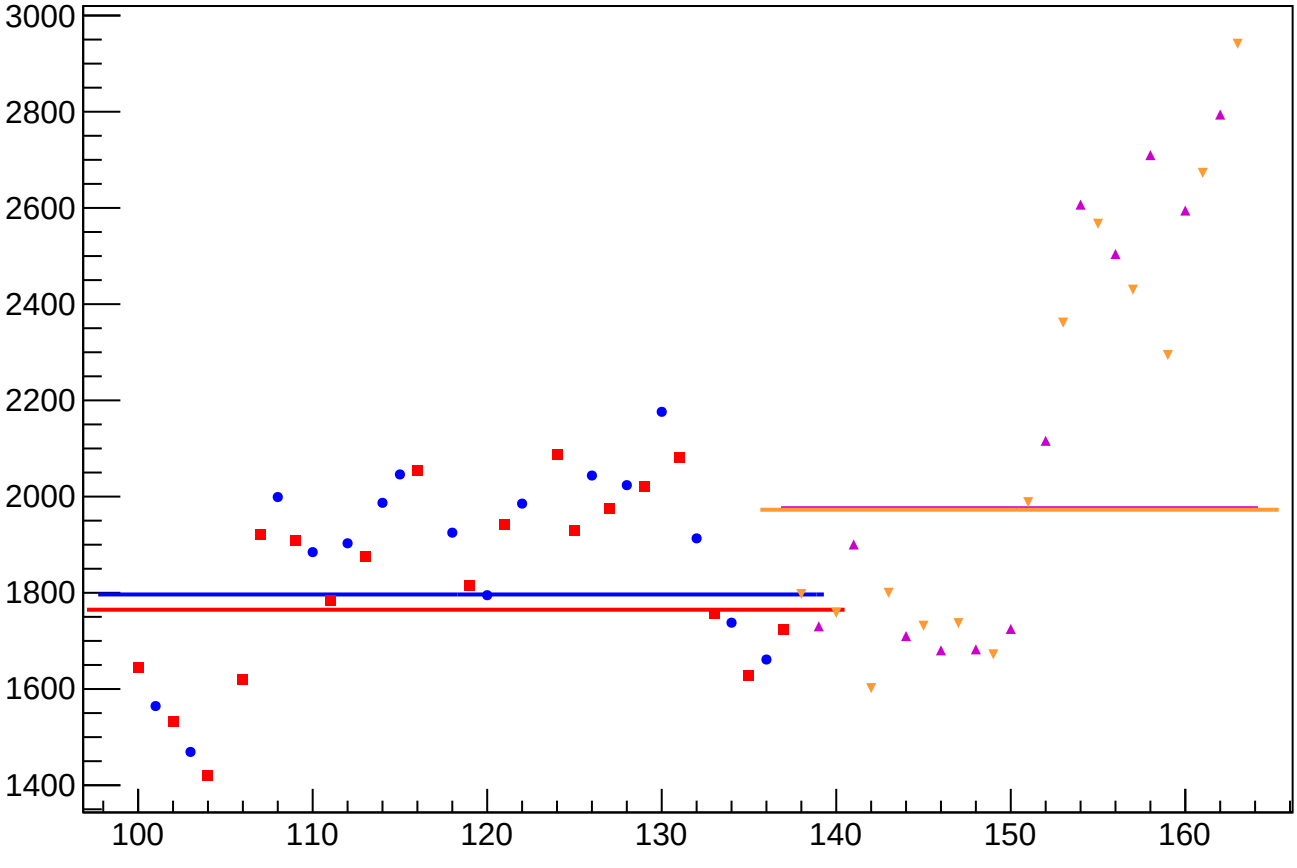
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -11.519+/-0.459 χ^2/NDF:25284.9/27

Out: 1.417+/-0.440 χ^2/NDF:5744.2/32

All: -4.789+/-0.318 χ^2/NDF: 31442.9/60

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1972.664+/-0.424 χ^2/NDF:738521.7/13

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1975.817+/-0.443 χ^2/NDF:768055.2/11

Left: 1974.171+/-0.307 χ^2/NDF: 1506603.3/25

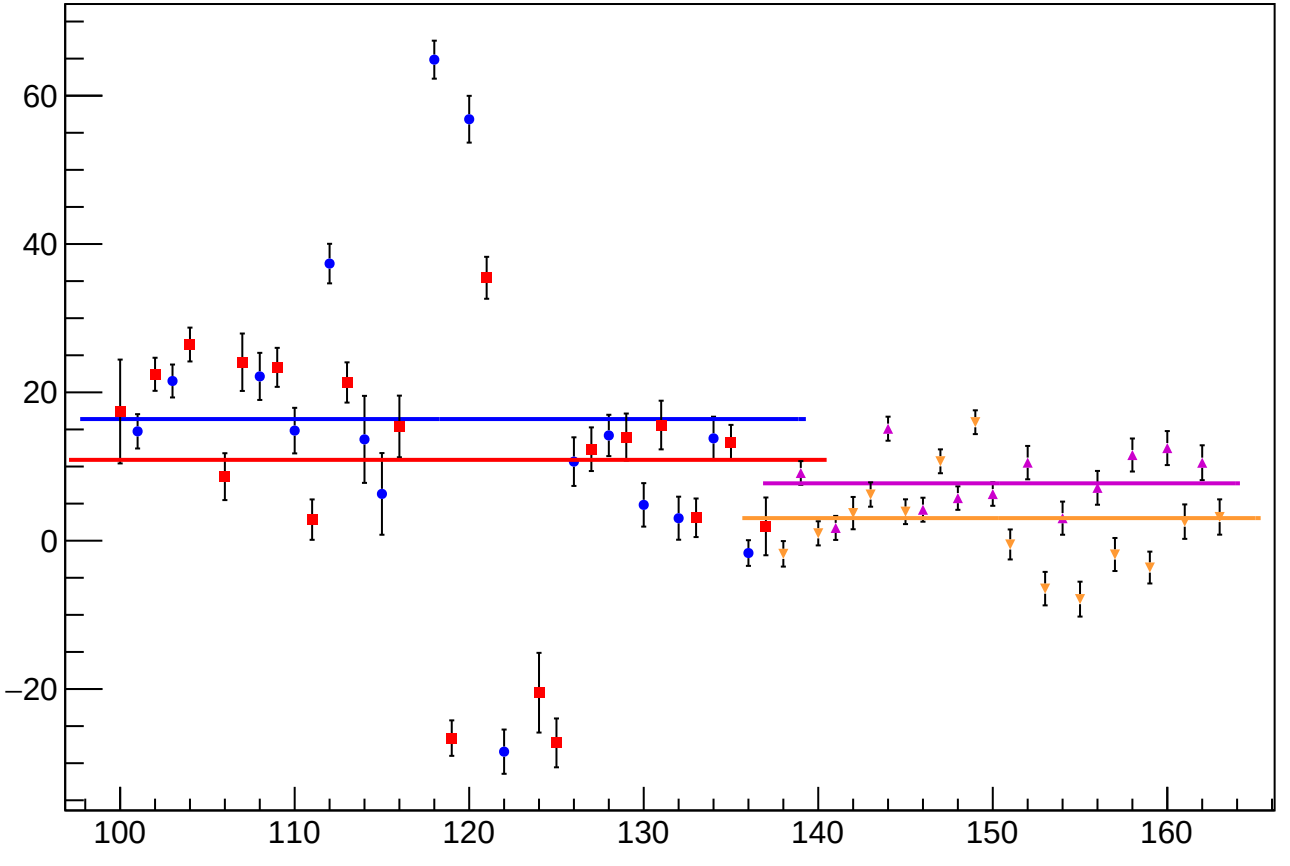
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1892.424+/-0.324 χ^2/NDF:1037238.0/27

Out: 1876.798+/-0.311 χ^2/NDF:1039152.7/32

All: 1884.294+/-0.225 χ^2/NDF: 2077598.5/60

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 3.045+/-0.511 χ^2/NDF:158.0/13

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.735+/-0.535 χ^2/NDF:57.1/11

Left: 5.282+/-0.369 χ^2/NDF: 255.3/25

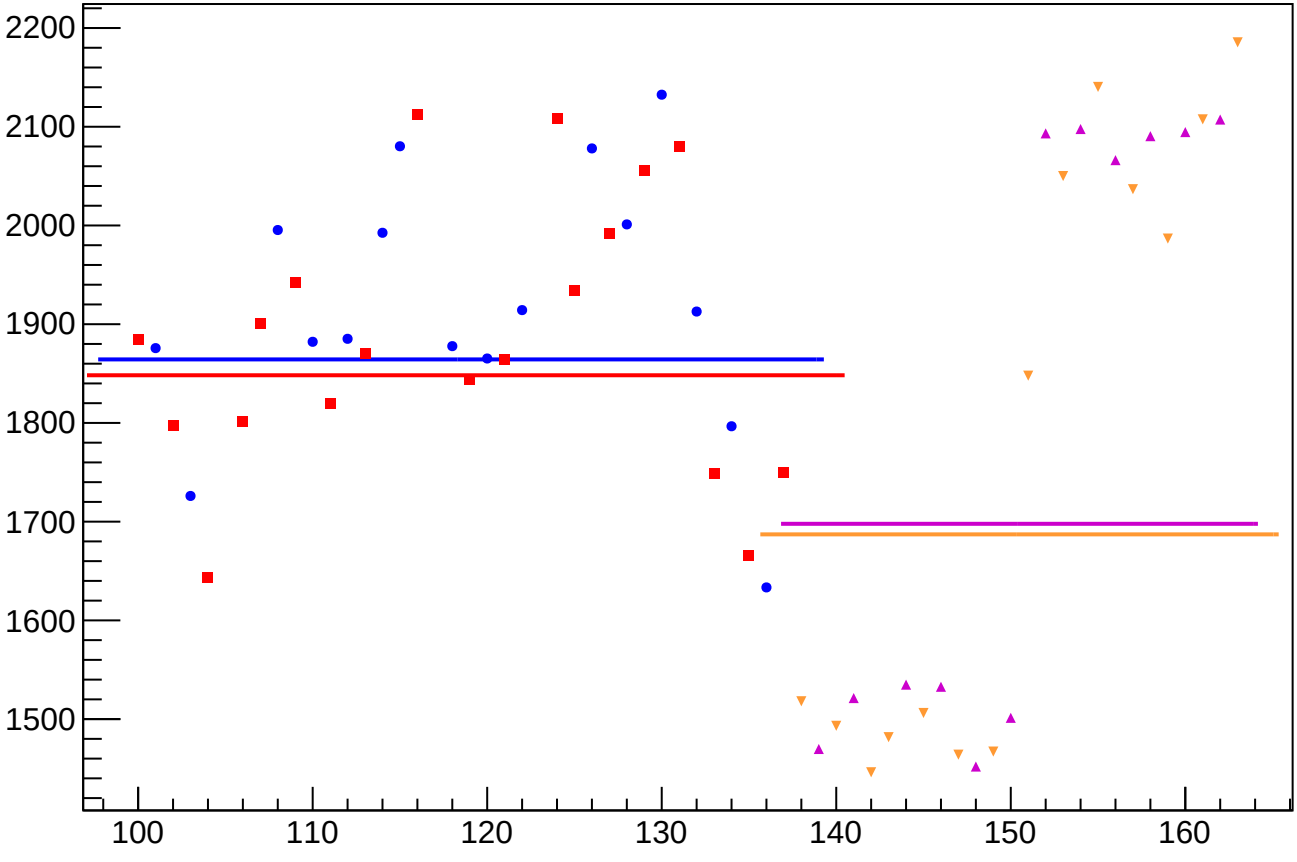
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 10.959+/-0.424 χ^2/NDF:1127.7/27

Out: 5.899+/-0.408 χ^2/NDF:885.6/32

All: 8.330+/-0.294 χ^2/NDF: 2087.3/60

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1687.124+/-0.361 χ^2/NDF:582828.6/13

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1697.822+/-0.378 χ^2/NDF:545137.5/11

Left: 1692.227+/-0.261 χ^2/NDF: 1128384.4/25

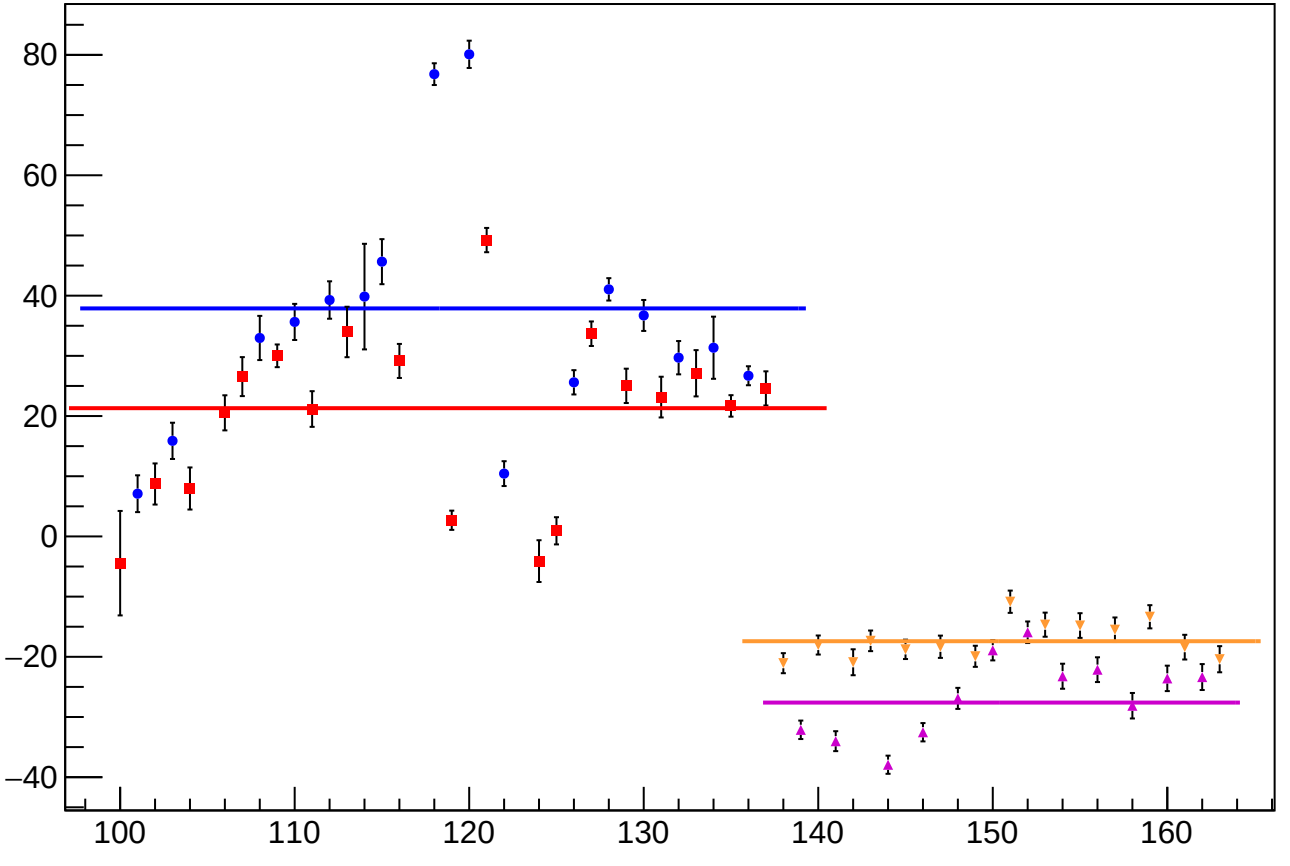
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1759.769+/-0.300 χ^2/NDF:700548.9/27

Out: 1745.684+/-0.288 χ^2/NDF:730097.5/32

All: 1752.452+/-0.208 χ^2/NDF: 1431793.6/60

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.408+/-0.496 χ^2/NDF:34.1/13

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -27.604+/-0.514 χ^2/NDF:169.4/11

Left: -22.327+/-0.357 χ^2/NDF: 407.0/25

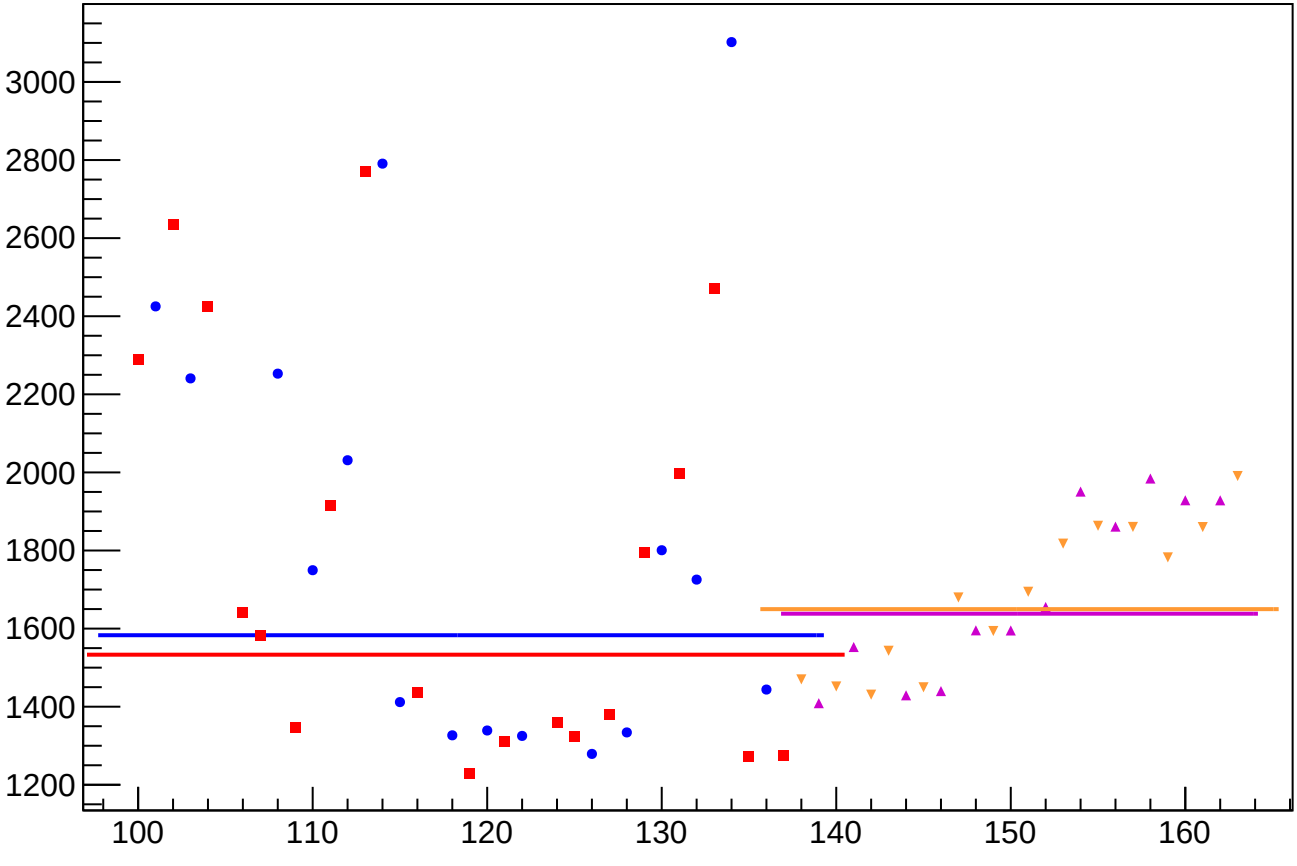
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -1.036+/-0.396 χ^2/NDF:7998.6/27

Out: -1.455+/-0.381 χ^2/NDF:3123.1/32

All: -1.254+/-0.275 χ^2/NDF: 11122.3/60

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1649.857+/-0.351 χ^2/NDF:254442.7/13

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1638.173+/-0.364 χ^2/NDF:321239.4/11

Left: 1644.221+/-0.253 χ^2/NDF: 576216.6/25

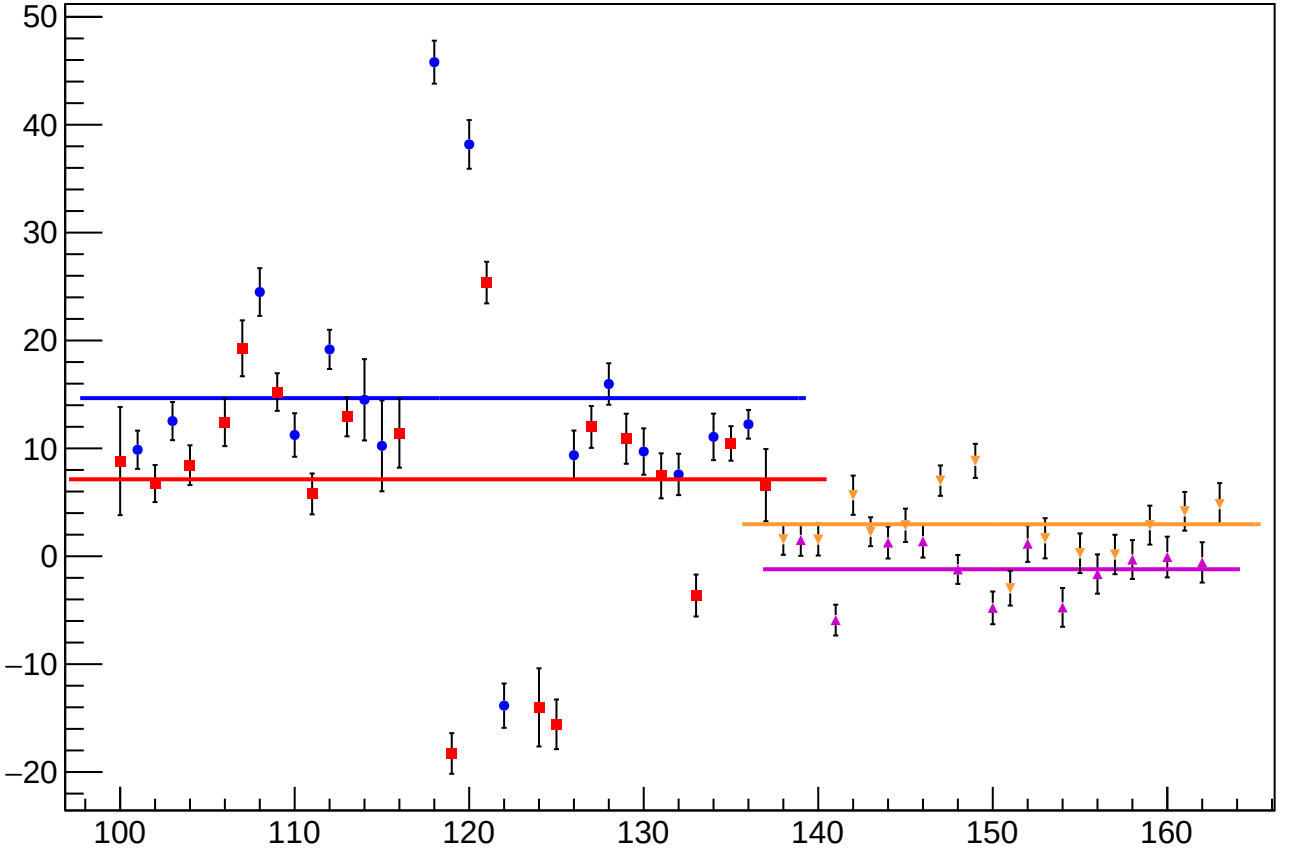
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1615.809+/-0.280 χ^2/NDF:1118236.1/27

Out: 1601.780+/-0.269 χ^2/NDF:1250742.9/32

All: 1608.510+/-0.194 χ^2/NDF: 2370282.4/60

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.969+/-0.435 χ^2/NDF:46.4/13

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.203+/-0.463 χ^2/NDF:32.2/11

Left: 1.011+/-0.317 χ^2/NDF: 121.7/25

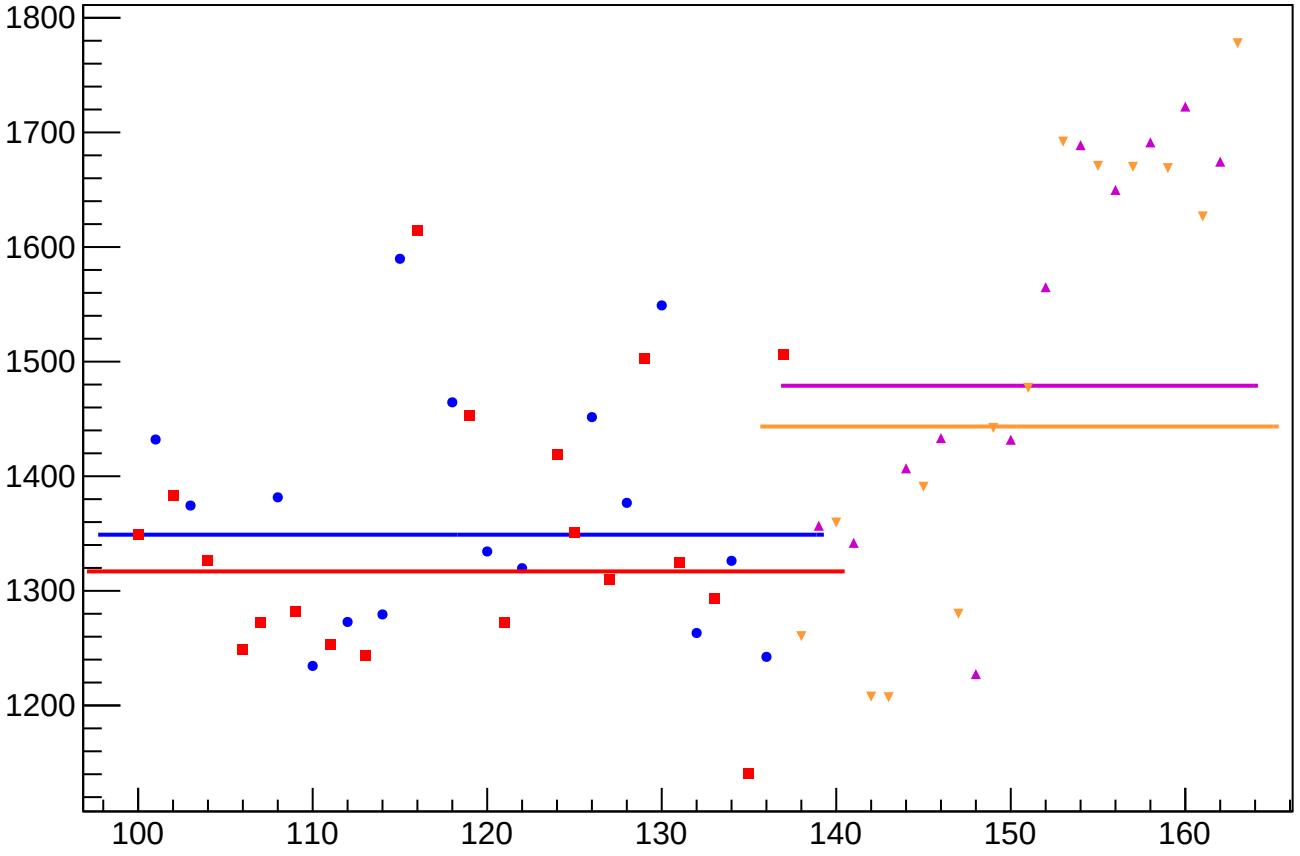
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 6.047+/-0.341 χ^2/NDF:1183.6/27

Out: 4.835+/-0.323 χ^2/NDF:596.8/32

All: 5.409+/-0.235 χ^2/NDF: 1787.1/60

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1443.413+/-0.308 χ^2/NDF:373238.1/13

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1478.976+/-0.327 χ^2/NDF:243987.2/11

Left: 1460.105+/-0.224 χ^2/NDF: 623489.8/25

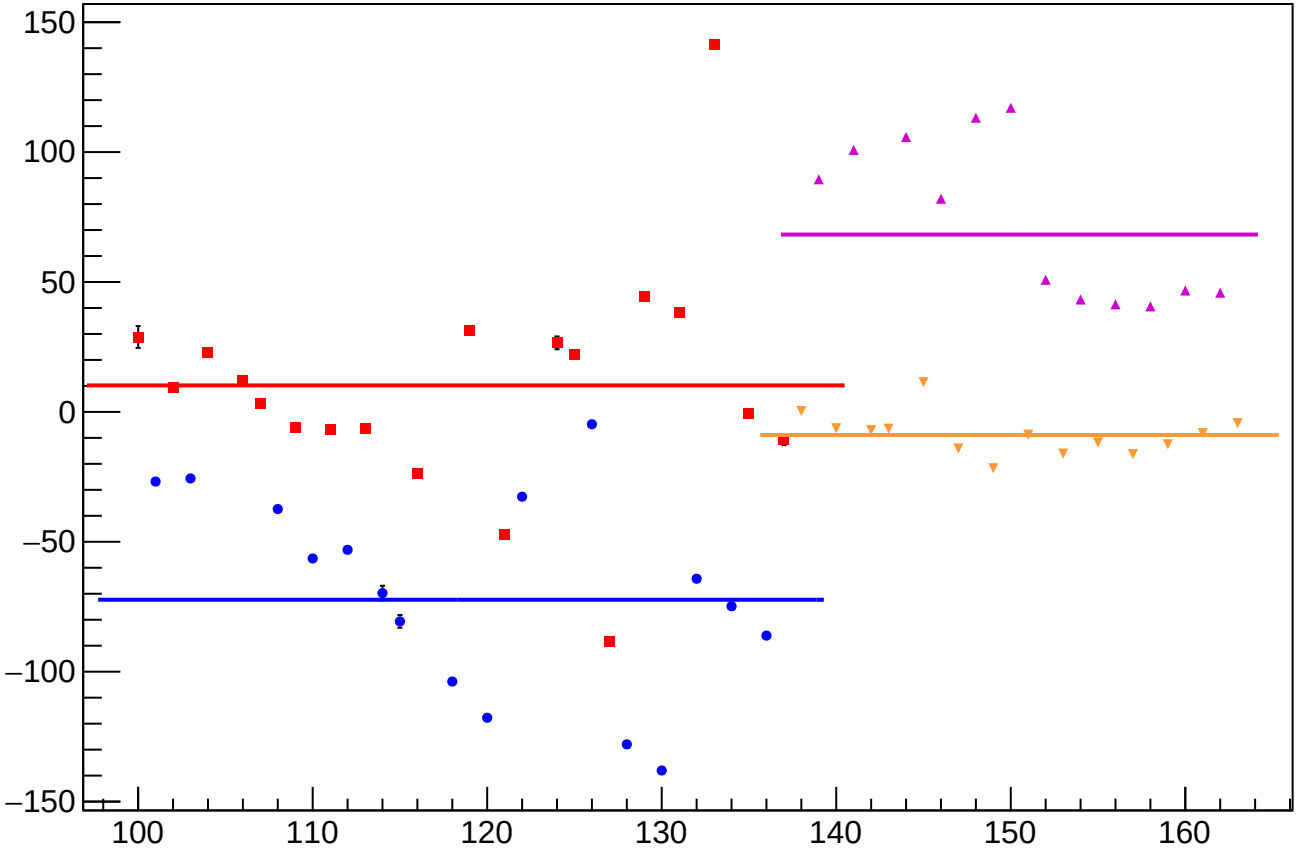
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1419.570+/-0.241 χ^2/NDF:384447.8/27

Out: 1386.754+/-0.229 χ^2/NDF:535717.2/32

All: 1402.291+/-0.166 χ^2/NDF: 929913.4/60

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -8.896+/-0.259 χ^2/NDF:809.7/13

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 68.263+/-0.275 χ^2/NDF:10758.0/11

Left: 27.390+/-0.188 χ^2/NDF: 53385.0/25

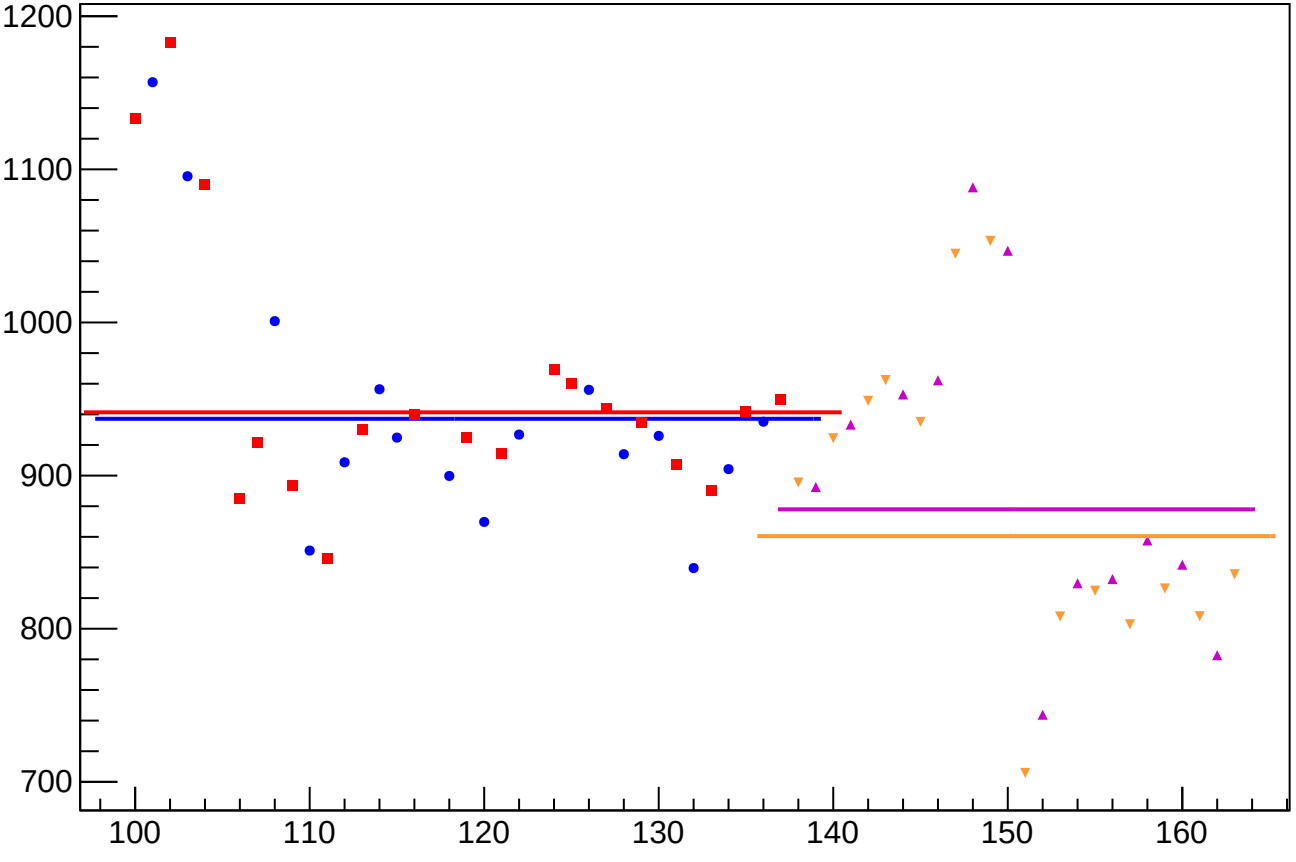
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 14.596+/-0.216 χ^2/NDF:122939.7/27

Out: -2.014+/-0.207 χ^2/NDF:21817.4/32

All: 5.937+/-0.149 χ^2/NDF: 147841.8/60

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 860.481+/-0.183 χ^2/NDF:265246.0/13

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 877.990+/-0.194 χ^2/NDF:235637.9/11

Left: 868.715+/-0.133 χ^2/NDF: 505190.3/25

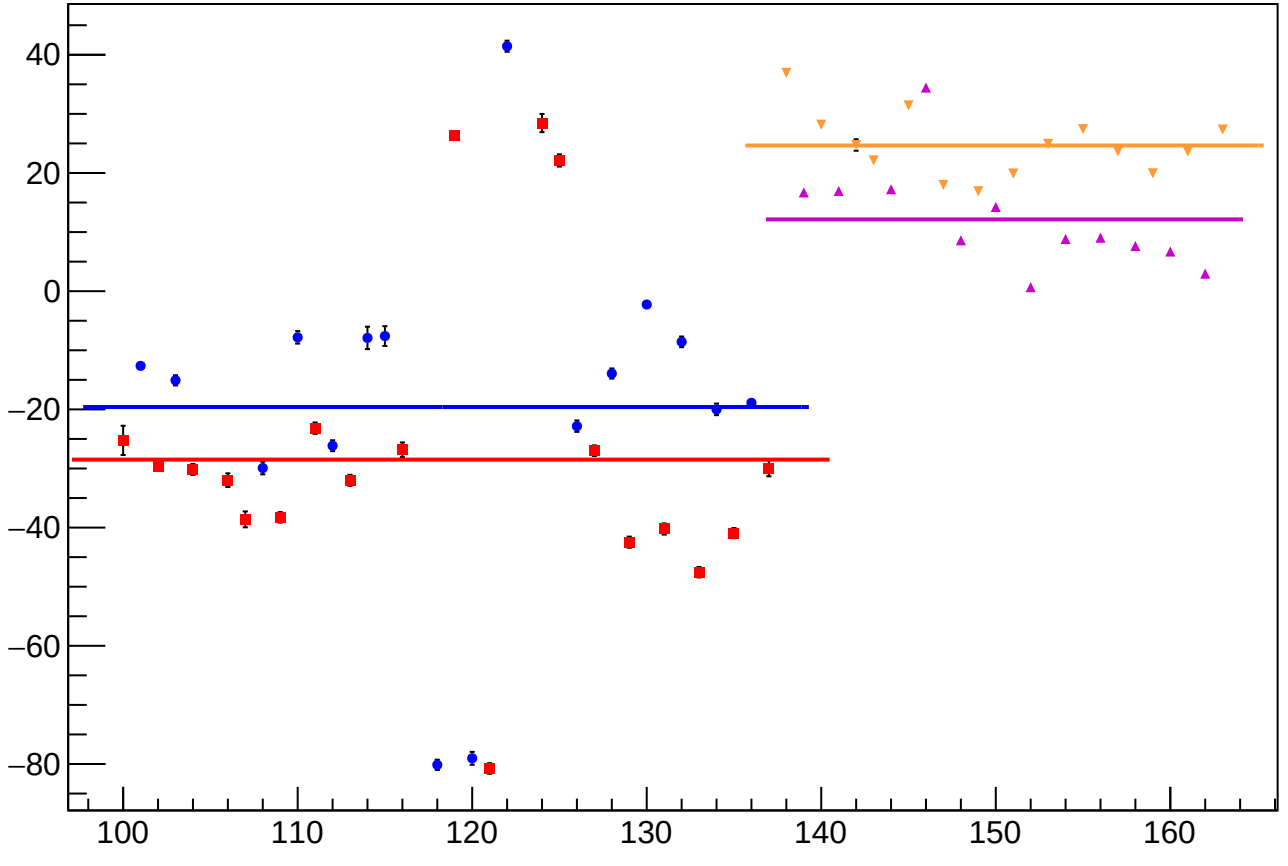
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 900.556+/-0.153 χ^2/NDF:375671.2/27

Out: 889.634+/-0.146 χ^2/NDF:436680.1/32

All: 894.862+/-0.106 χ^2/NDF: 815019.0/60

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.648+/-0.200 χ^2/NDF:724.5/13

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 12.150+/-0.212 χ^2/NDF:1708.7/11

Left: 18.769+/-0.145 χ^2/NDF: 4275.7/25

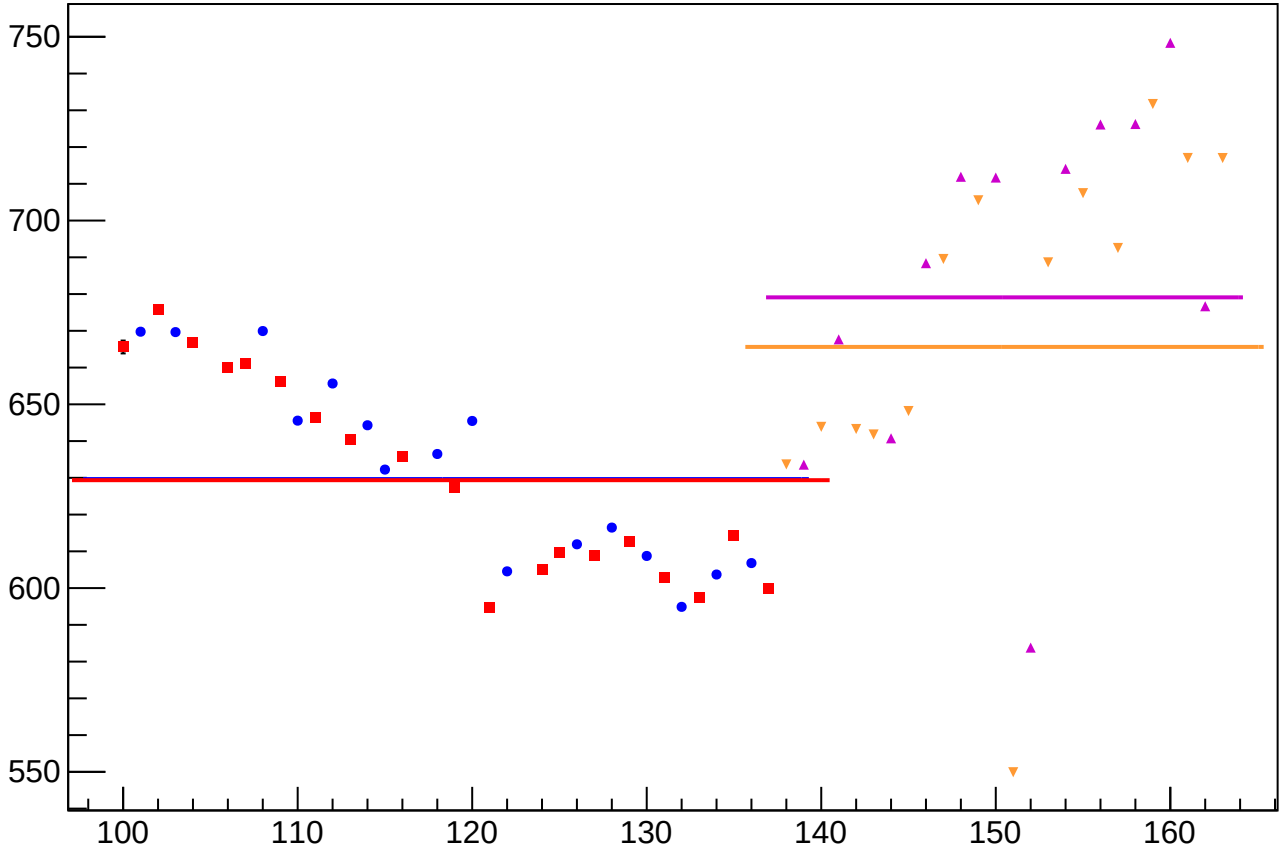
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -2.150+/-0.157 χ^2/NDF:24989.5/27

Out: 1.769+/-0.151 χ^2/NDF:44185.6/32

All: -0.109+/-0.109 χ^2/NDF: 69499.2/60

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 665.621+/-0.141 χ^2/NDF:133613.5/13

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 679.104+/-0.150 χ^2/NDF:101260.9/11

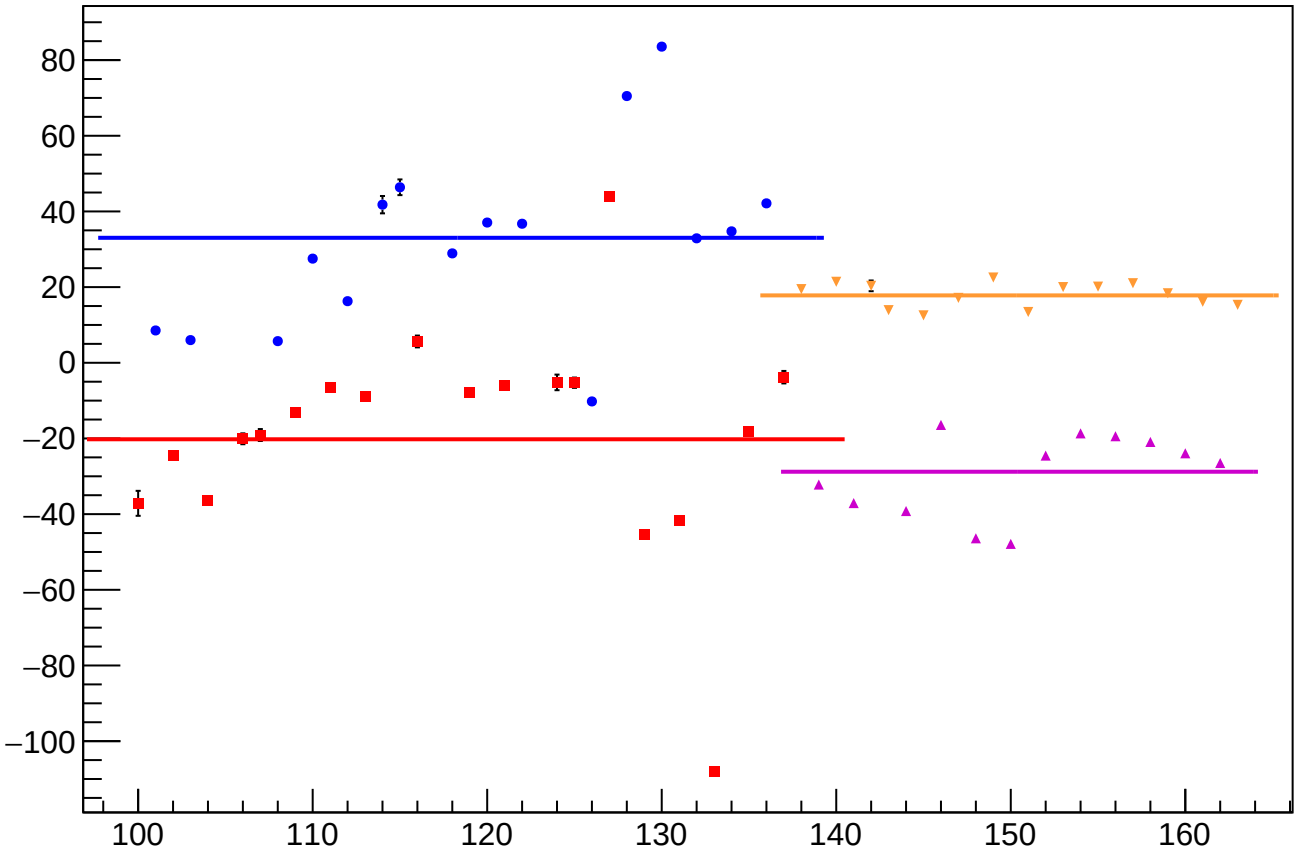
Left: 671.963+/-0.103 χ^2/NDF: 239163.2/25

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 656.833+/-0.111 χ^2/NDF:175627.3/27

Out: 650.011+/-0.107 χ^2/NDF:188792.6/32

All: 653.280+/-0.077 χ^2/NDF: 366384.5/60



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.811+/-0.284 χ^2/NDF:122.7/13

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -28.794+/-0.298 χ^2/NDF:1137.6/11

Left: -4.360+/-0.205 χ^2/NDF: 14108.7/25

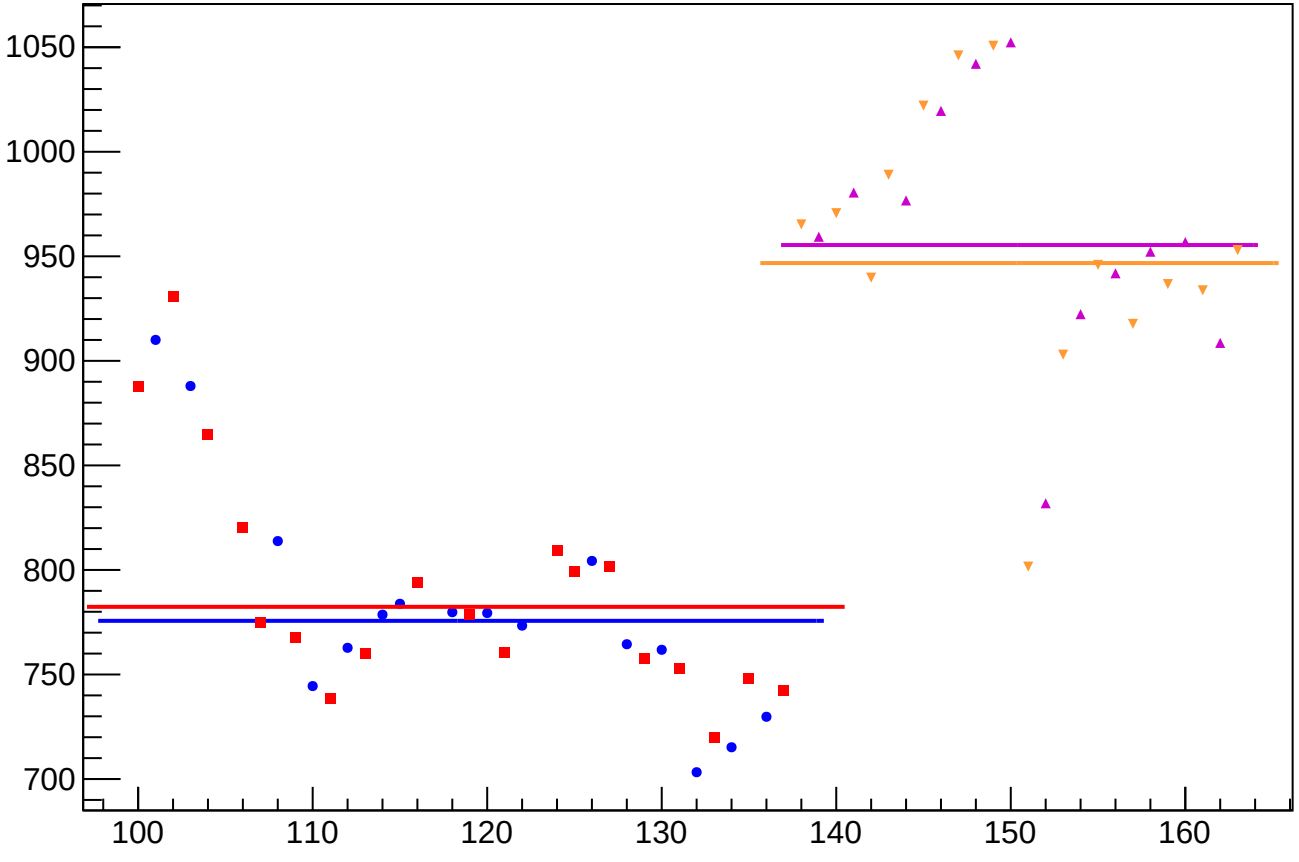
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 3.047+/-0.207 χ^2/NDF:30049.5/27

Out: -1.044+/-0.201 χ^2/NDF:20907.7/32

All: 0.942+/-0.144 χ^2/NDF: 51157.6/60

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 946.770+/-0.201 χ^2/NDF:106175.3/13

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 955.399+/-0.211 χ^2/NDF:80825.7/11

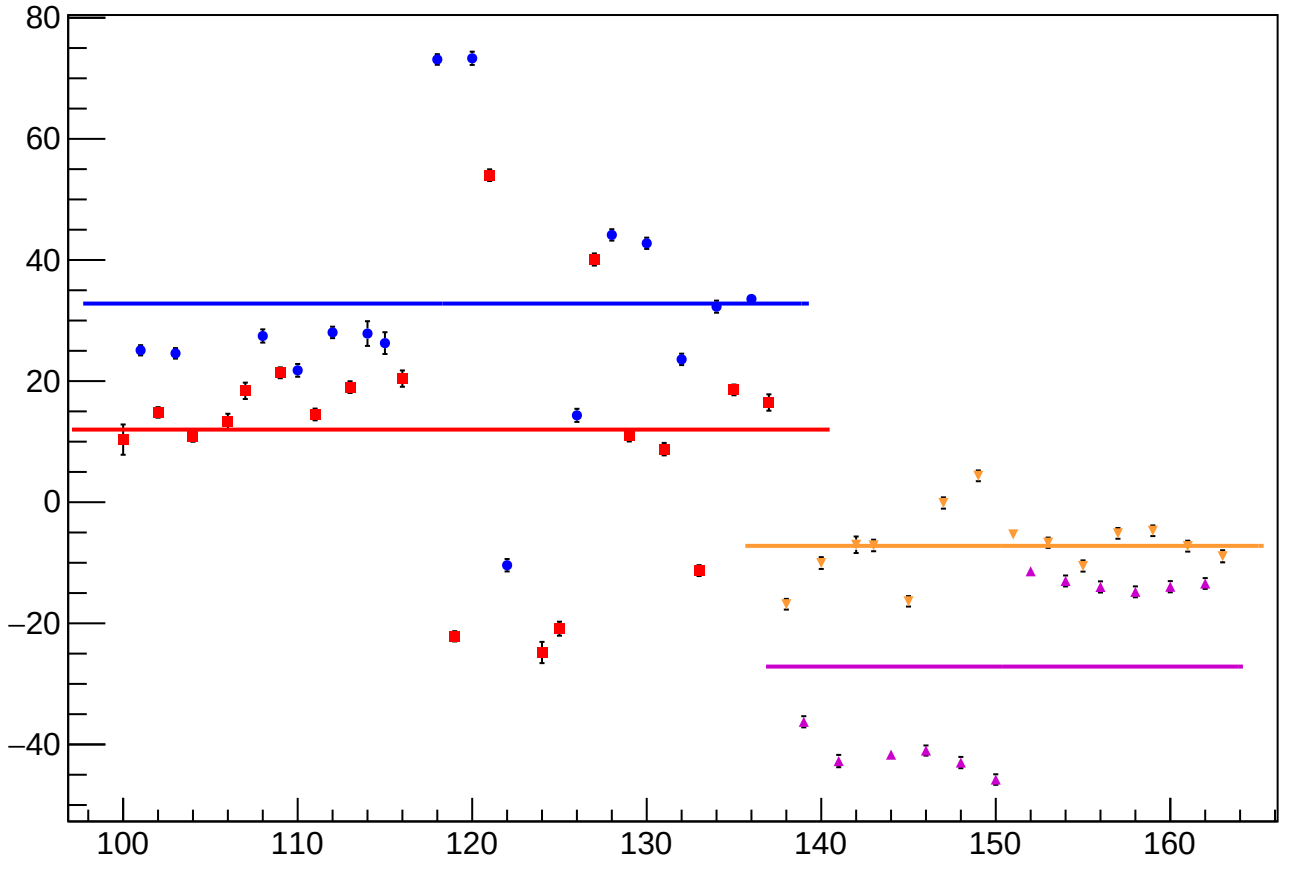
Left: 950.875+/-0.145 χ^2/NDF: 187881.9/25

Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 862.836+/-0.147 χ^2/NDF:530908.4/27

Out: 865.248+/-0.142 χ^2/NDF:504059.3/32

All: 864.077+/-0.102 χ^2/NDF: 1035107.0/60



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.207+/-0.242 χ^2/NDF:502.8/13

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -27.141+/-0.254 χ^2/NDF:3234.0/11

Left: -16.697+/-0.175 χ^2/NDF: 6976.2/25

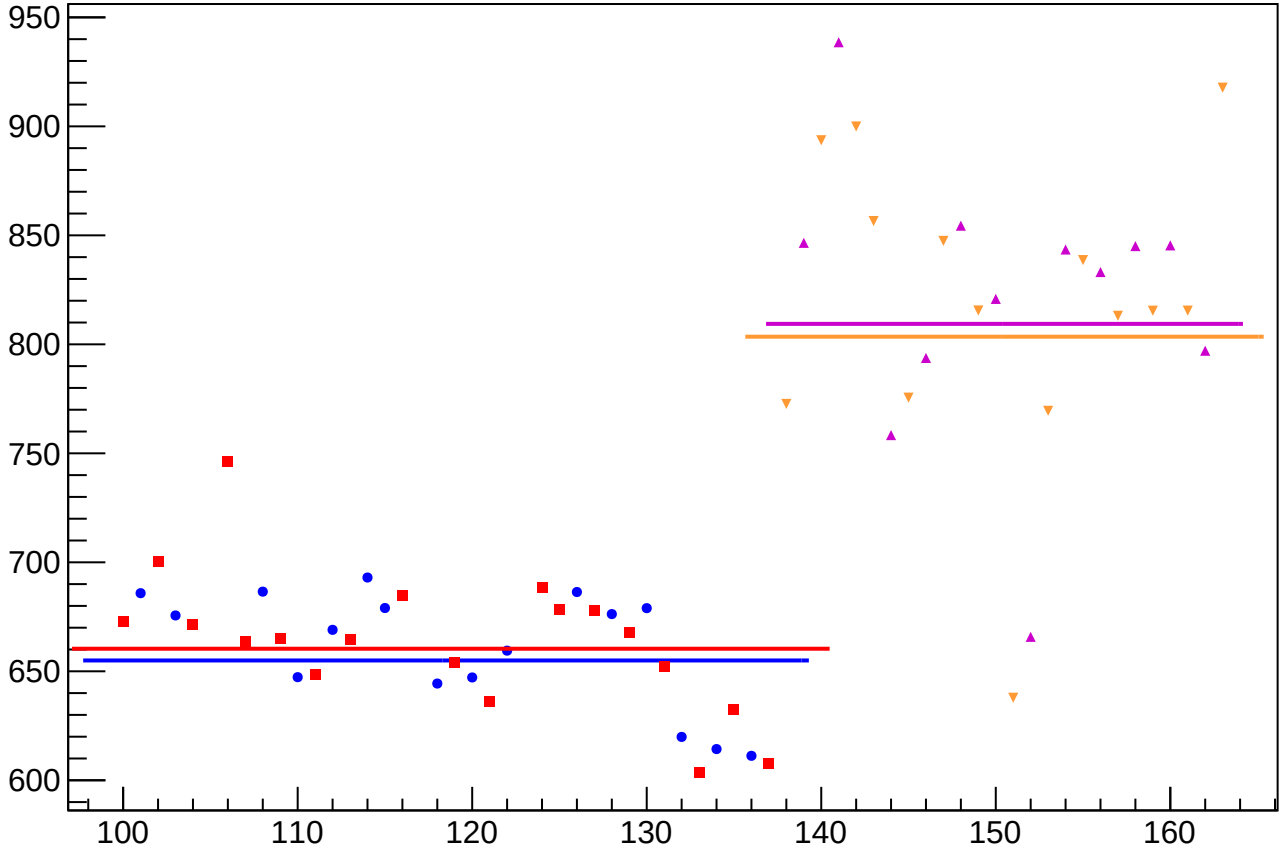
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 4.036+/-0.176 χ^2/NDF:38573.1/27

Out: 2.415+/-0.171 χ^2/NDF:10225.7/32

All: 3.203+/-0.122 χ^2/NDF: 48842.6/60

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 803.506+/-0.171 χ^2/NDF:189644.1/13

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 809.384+/-0.179 χ^2/NDF:138865.2/11

Left: 806.305+/-0.124 χ^2/NDF: 329072.8/25

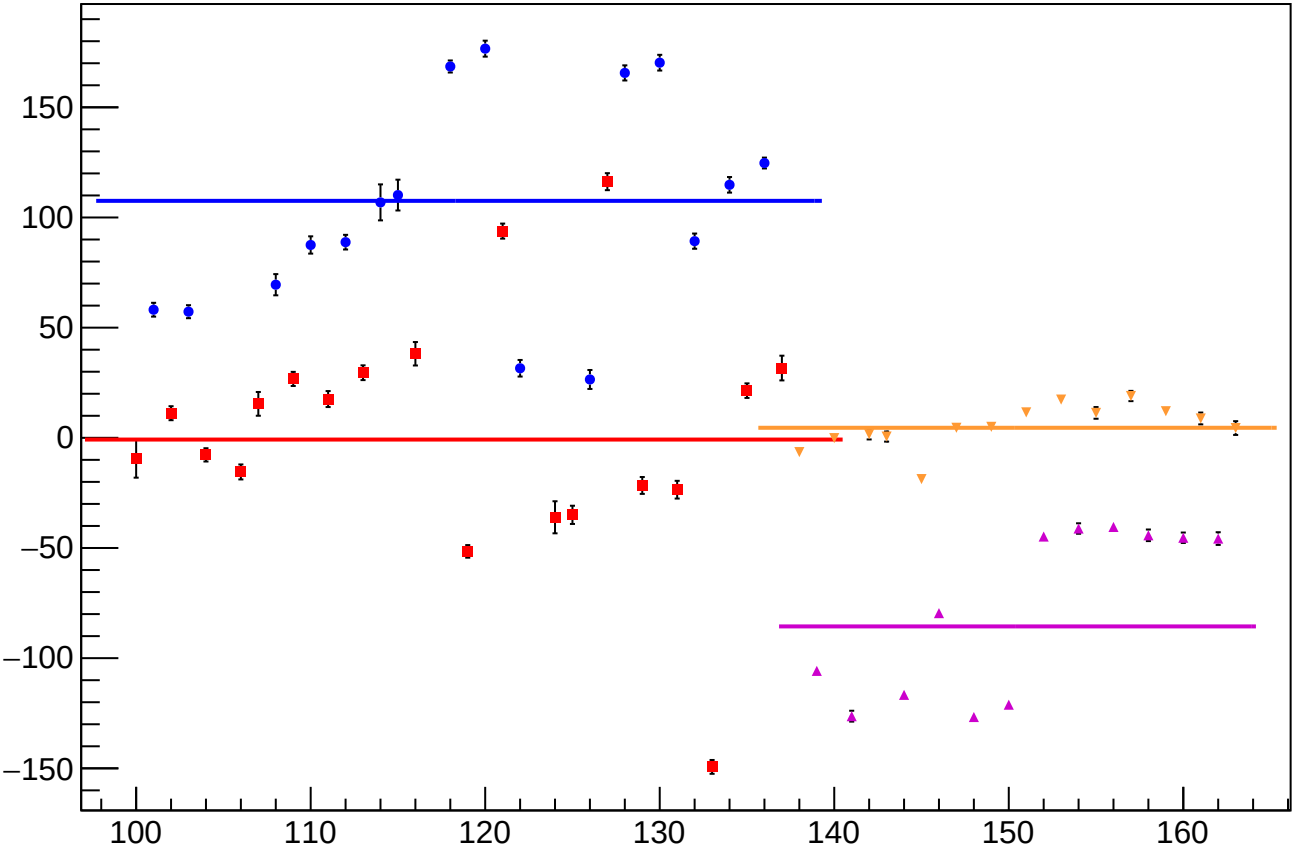
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 729.075+/-0.124 χ^2/NDF:551534.6/27

Out: 731.769+/-0.121 χ^2/NDF:571720.3/32

All: 730.460+/-0.087 χ^2/NDF: 1123496.9/60

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 4.559+/-0.579 χ^2/NDF:279.2/13

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -85.593+/-0.597 χ^2/NDF:3502.0/11

Left: -39.095+/-0.416 χ^2/NDF: 15528.7/25

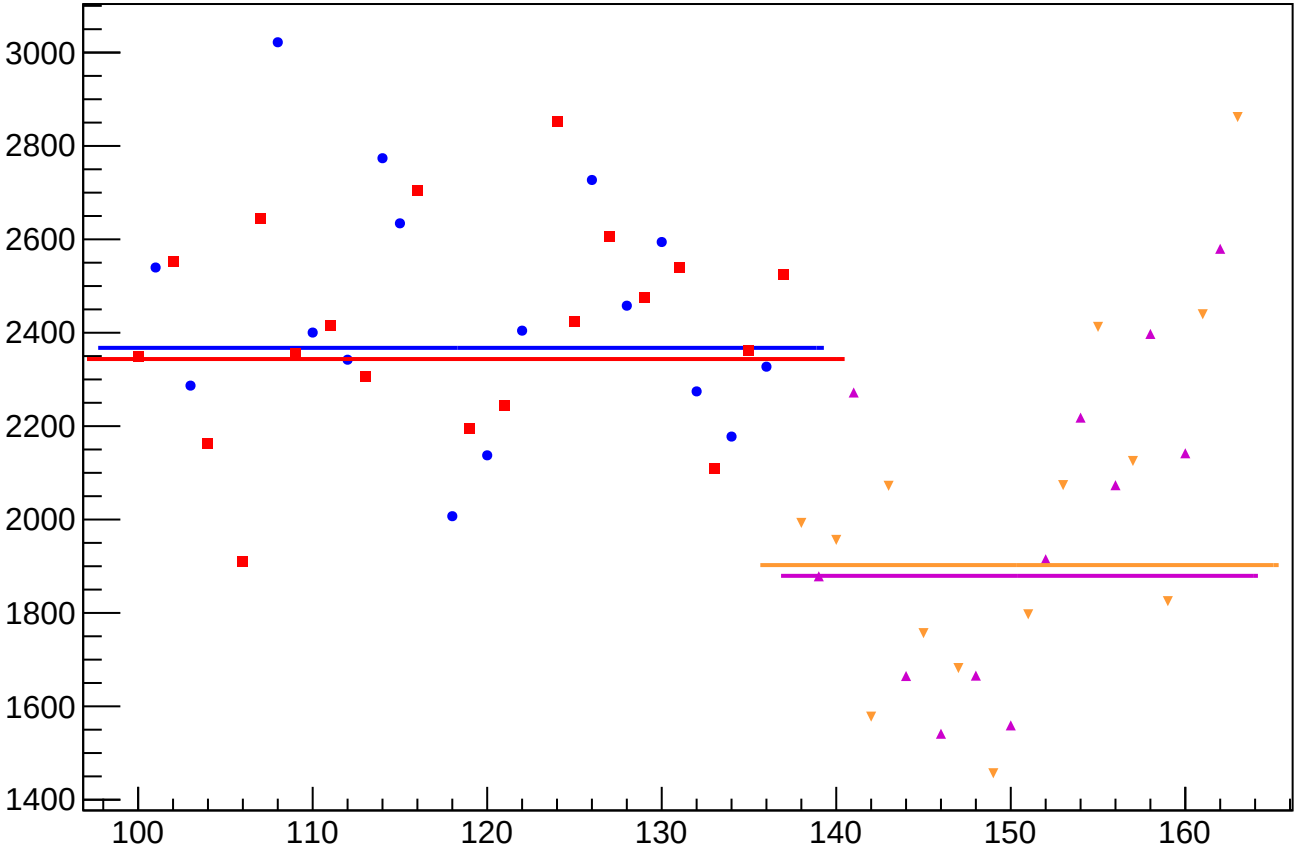
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -25.173+/-0.495 χ^2/NDF:39161.4/27

Out: 2.894+/-0.480 χ^2/NDF:5069.7/32

All: -10.712+/-0.345 χ^2/NDF: 45886.4/60

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1902.459+/-0.409 χ^2/NDF:627370.4/13

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1879.438+/-0.422 χ^2/NDF:544718.2/11

Left: 1891.312+/-0.294 χ^2/NDF: 1173620.7/25

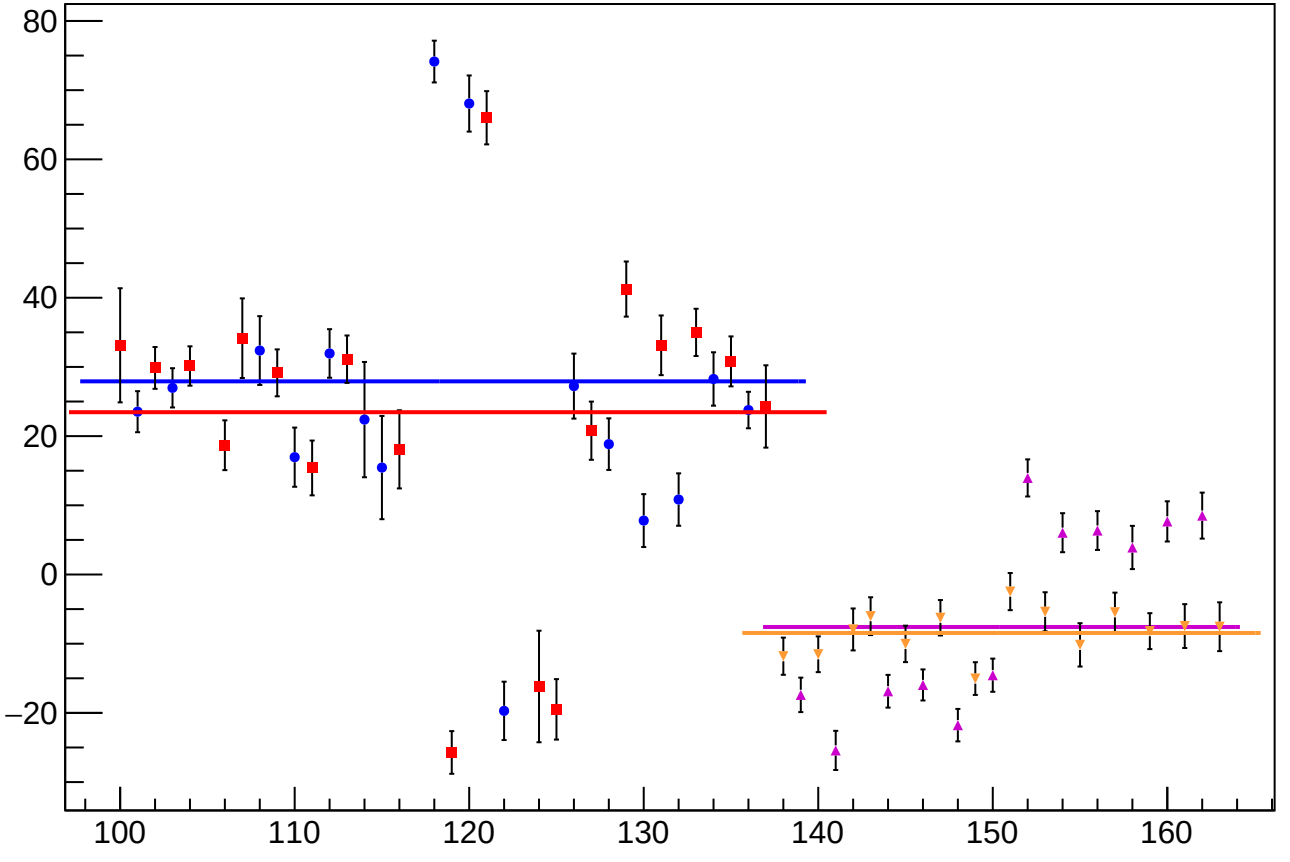
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2032.159+/-0.350 χ^2/NDF:1089374.7/27

Out: 2039.837+/-0.340 χ^2/NDF:1101527.4/32

All: 2036.115+/-0.244 χ^2/NDF: 2191149.9/60

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.447+/-0.740 χ^2/NDF:20.4/13

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.583+/-0.762 χ^2/NDF:306.8/11

Left: -8.028+/-0.531 χ^2/NDF: 327.8/25

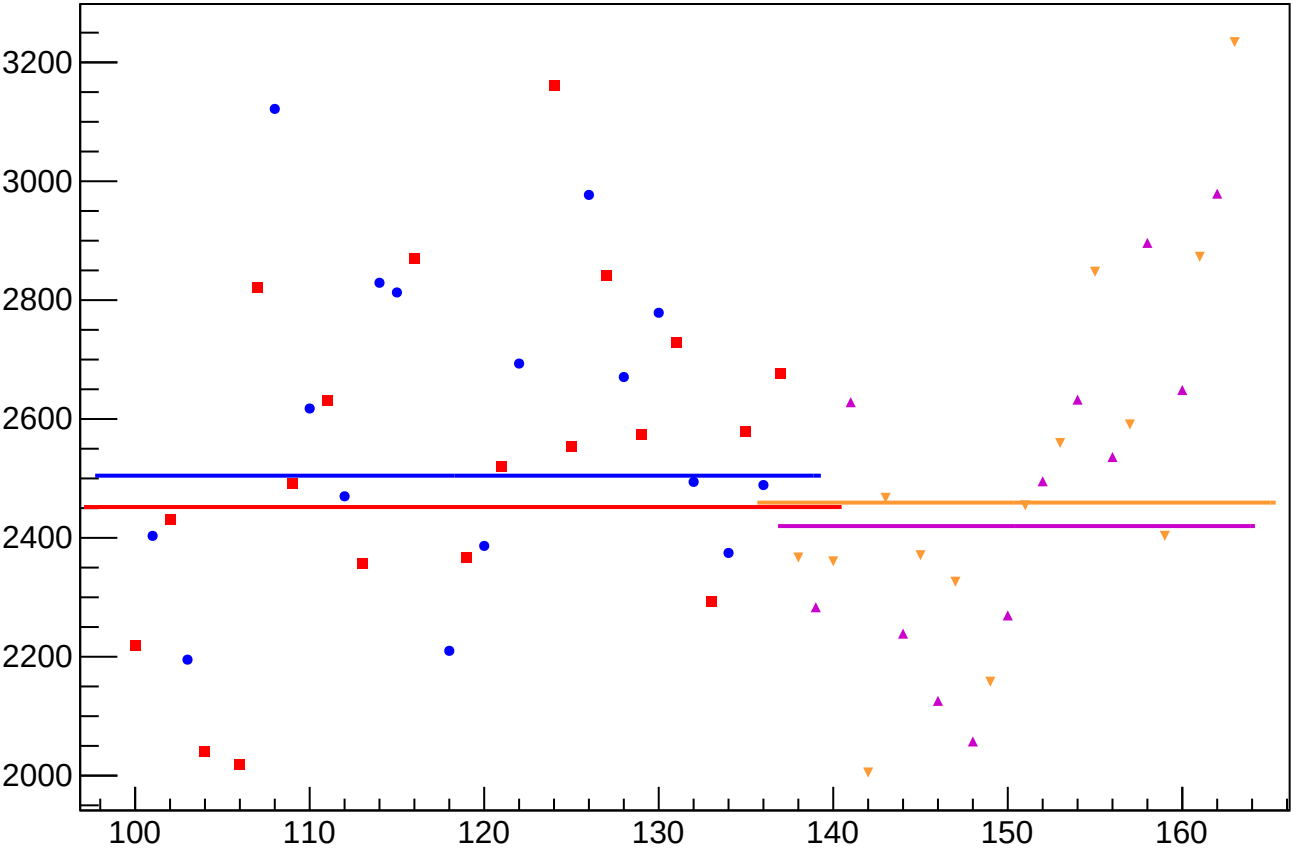
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.552+/-0.591 χ^2/NDF:1701.7/27

Out: 4.380+/-0.572 χ^2/NDF:1335.4/32

All: 5.431+/-0.411 χ^2/NDF: 3044.1/60

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2459.344+/-0.523 χ^2/NDF:259420.4/13

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2419.845+/-0.539 χ^2/NDF:250402.3/11

Left: 2440.169+/-0.375 χ^2/NDF: 512588.0/25

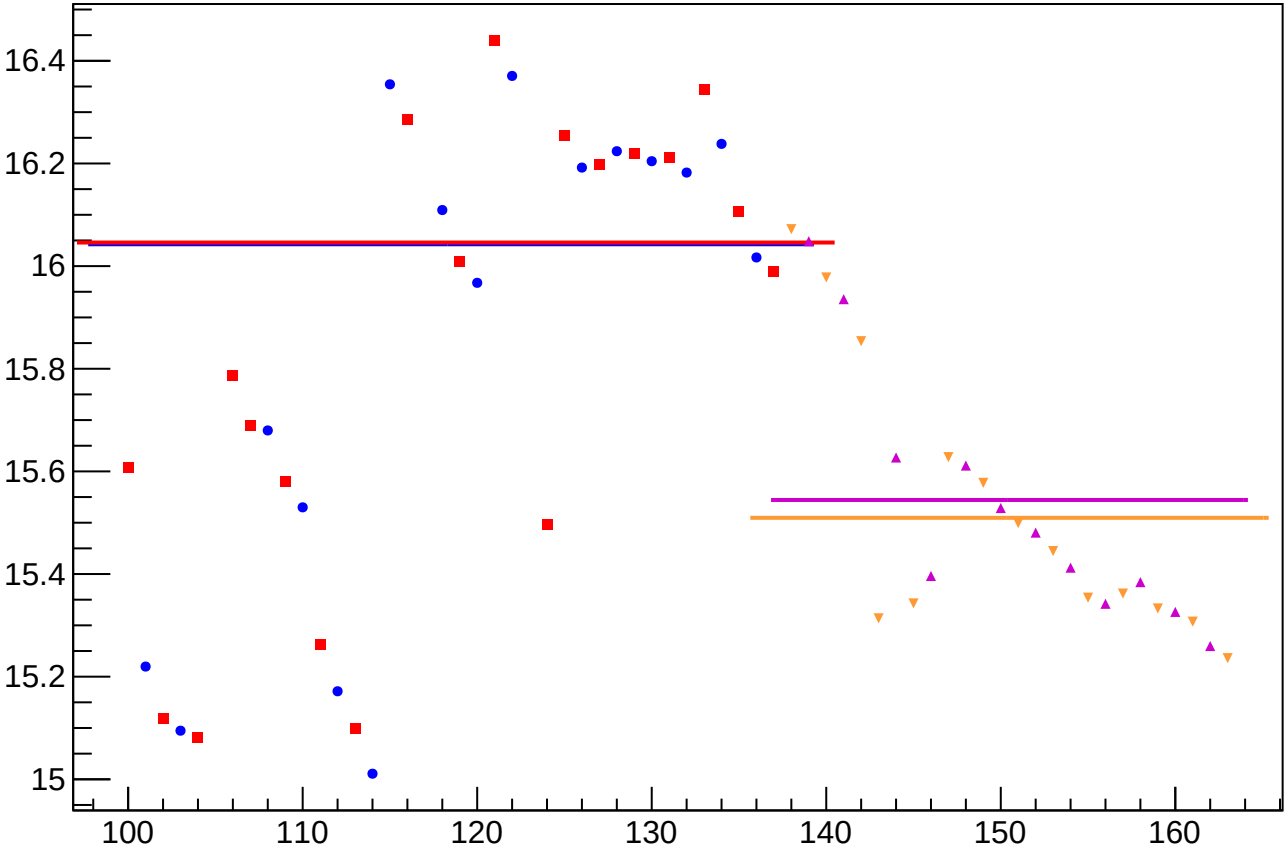
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2453.615+/-0.418 χ^2/NDF:386866.7/27

Out: 2456.343+/-0.405 χ^2/NDF:412739.3/32

All: 2455.023+/-0.291 χ^2/NDF: 799628.0/60

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.510+/-0.000 χ^2/NDF:6707420753.8/13

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.544+/-0.000 χ^2/NDF:4679067613.0/11

Left: 15.526+/-0.000 χ^2/NDF: 11437144223.8/25

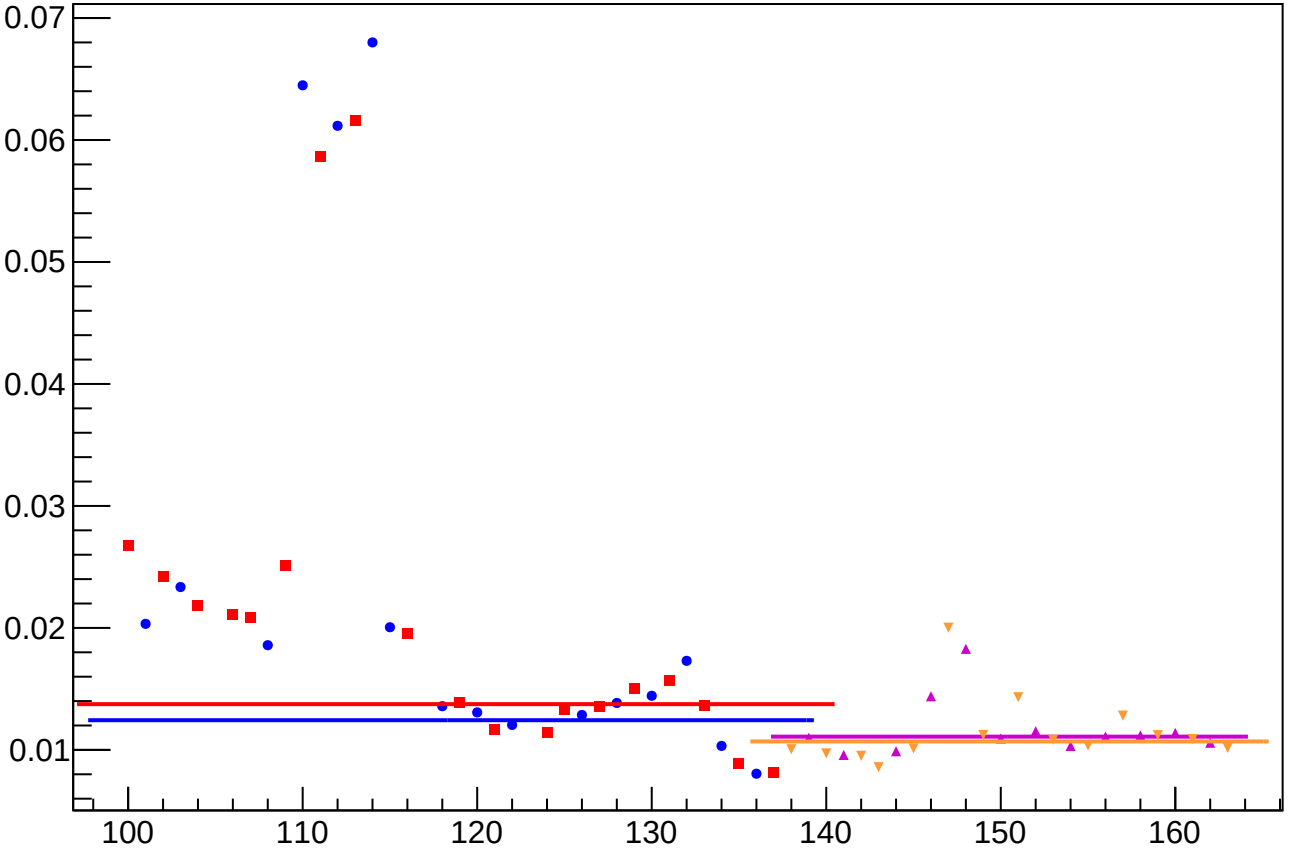
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.700+/-0.000 χ^2/NDF:13593896354.6/27

Out: 15.644+/-0.000 χ^2/NDF:16752863501.1/32

All: 15.671+/-0.000 χ^2/NDF: 30534472712.5

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:635304.0/13

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:412790.7/11

Left: 0.011+/-0.000 χ^2/NDF: 1061176.4/25

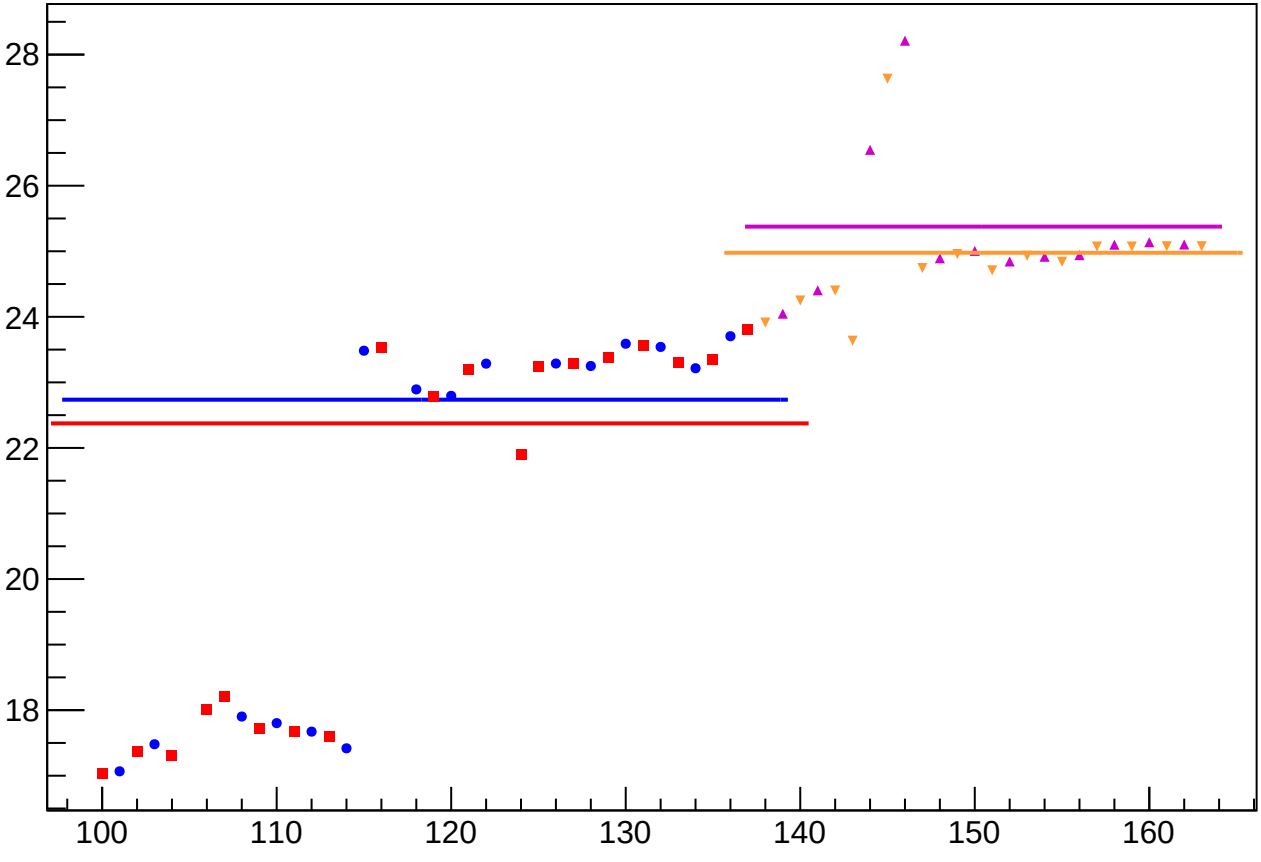
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2818282.9/27

Out: 0.011+/-0.000 χ^2/NDF:3288222.3/32

All: 0.011+/-0.000 χ^2/NDF: 6106819.2/60

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.977+/-0.000 χ^2/NDF:765849510.7/13

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.376+/-0.000 χ^2/NDF:687070509.2/11

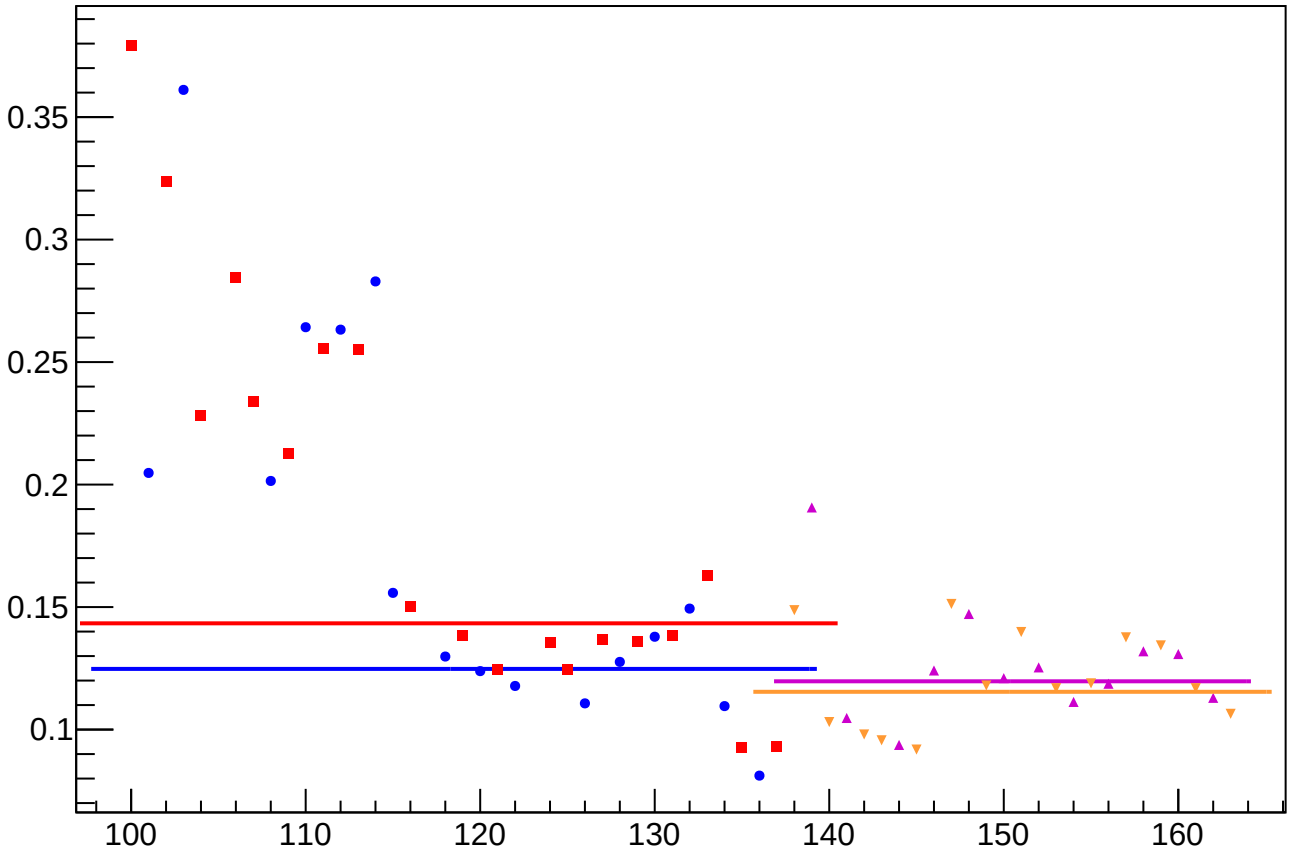
Left: 25.163+/-0.000 χ^2/NDF: 1505202691.8/25

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.430+/-0.000 χ^2/NDF:3444268605.6/27

Out: 24.239+/-0.000 χ^2/NDF:3337986621.6/32

All: 24.333+/-0.000 χ^2/NDF: 6799955555.9/6



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.115+/-0.000 χ^2/NDF:465135.9/13

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.120+/-0.000 χ^2/NDF:472371.7/11

Left: 0.117+/-0.000 χ^2/NDF: 949569.8/25

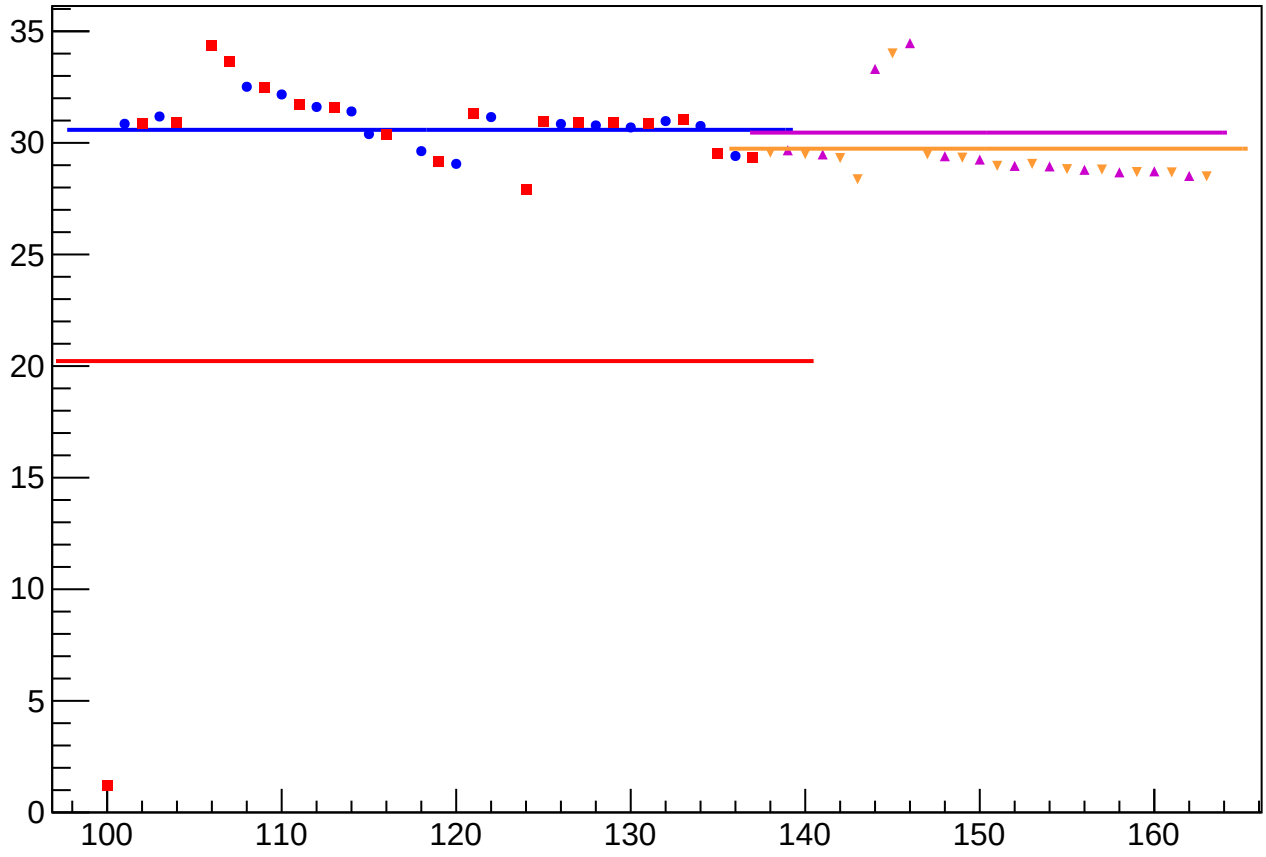
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2233484.3/27

Out: 0.123+/-0.000 χ^2/NDF:2348126.3/32

All: 0.122+/-0.000 χ^2/NDF: 4584860.4/60

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 29.740+/-0.000 χ^2/NDF:6272633919.5/13

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 30.460+/-0.000 χ^2/NDF:8883709480.2/11

Left: 30.094+/-0.000 χ^2/NDF: 15611466758.7/25

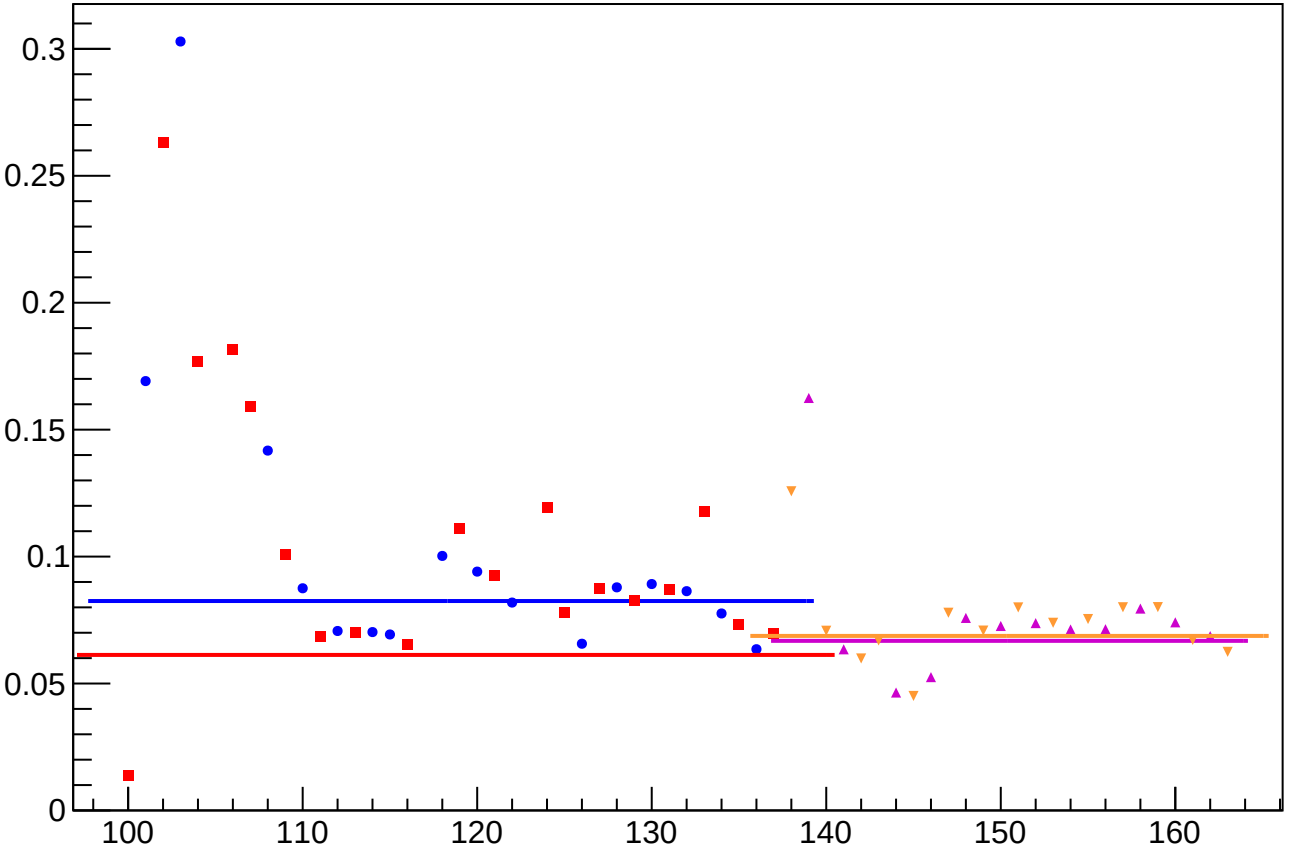
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.498+/-0.000 χ^2/NDF:9544276551.5/27

Out: 26.133+/-0.000 χ^2/NDF:288722118828.8/32

All: 28.166+/-0.000 χ^2/NDF: 323742888340.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:729256.2/13

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.067+/-0.000 χ^2/NDF:1012753.0/11

Left: 0.068+/-0.000 χ^2/NDF: 1748634.0/25

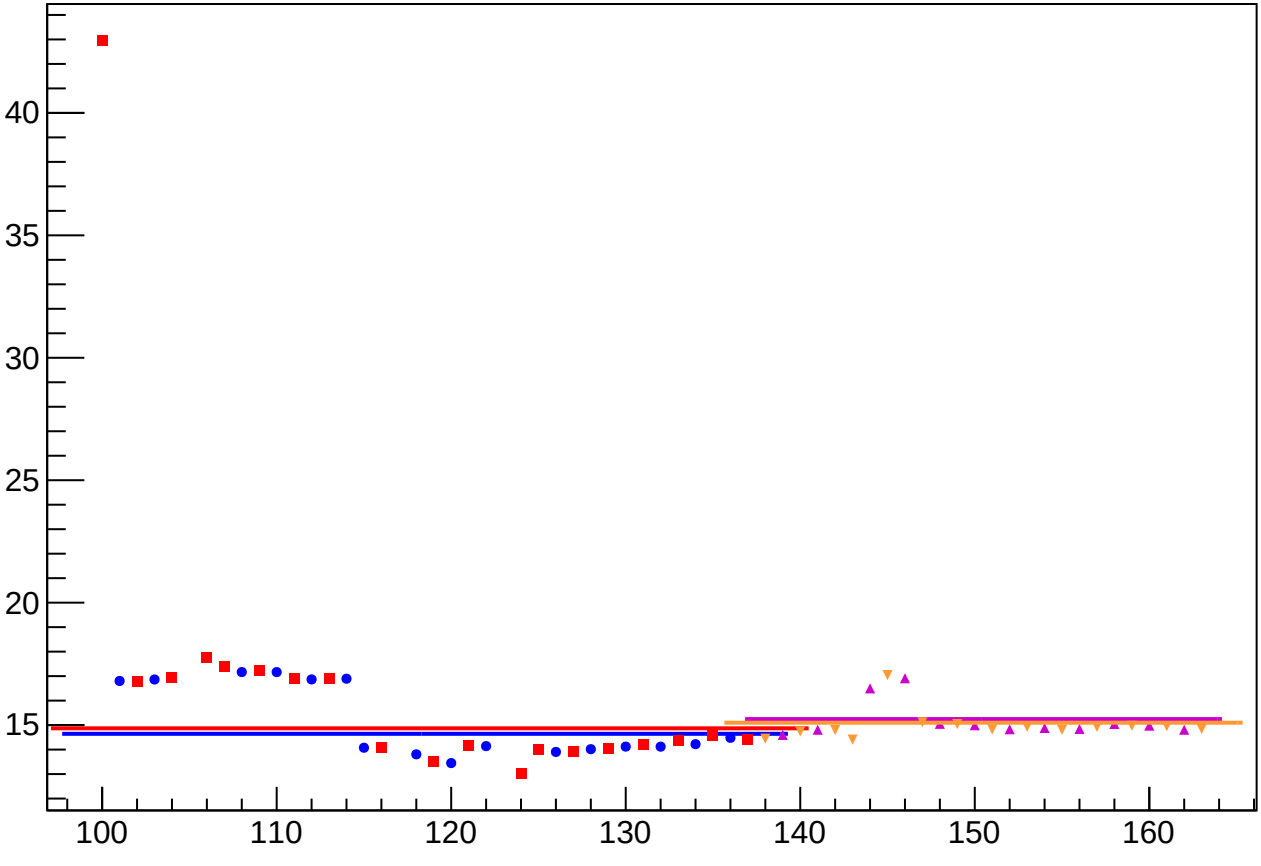
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.072+/-0.000 χ^2/NDF:2537303.7/27

Out: 0.066+/-0.000 χ^2/NDF:4819388.8/32

All: 0.069+/-0.000 χ^2/NDF: 7445030.7/60

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.098+/-0.000 χ^2/NDF:1015596648.1/13

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.247+/-0.000 χ^2/NDF:918941294.1/11

Left: 15.169+/-0.000 χ^2/NDF: 1955691573.2/25

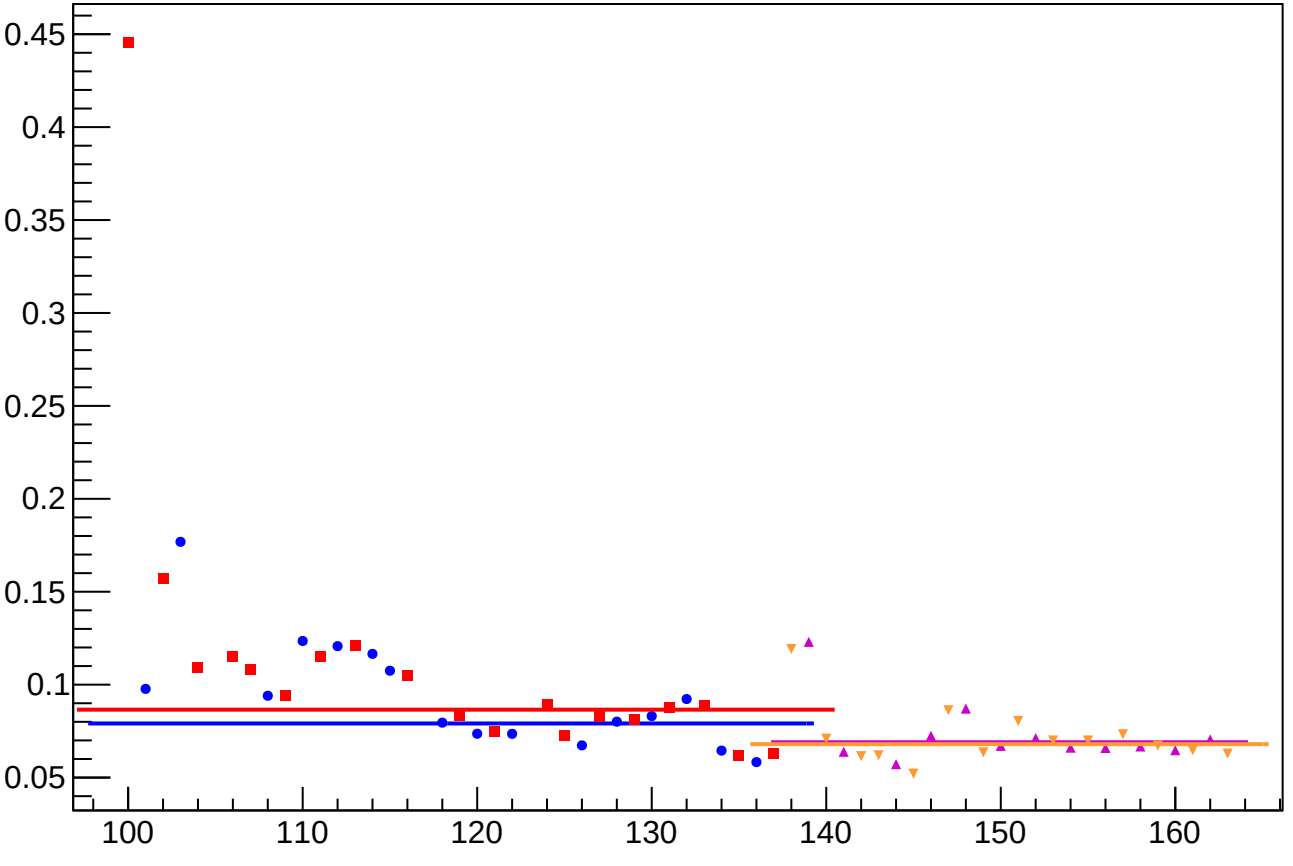
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.042+/-0.000 χ^2/NDF:2337528247.7/27

Out: 15.031+/-0.000 χ^2/NDF:2776307549.0/32

All: 15.036+/-0.000 χ^2/NDF: 5114001082.1/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.068+/-0.000 χ^2/NDF:532415.2/13

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.069+/-0.000 χ^2/NDF:469213.5/11

Left: 0.068+/-0.000 χ^2/NDF: 1003660.8/25

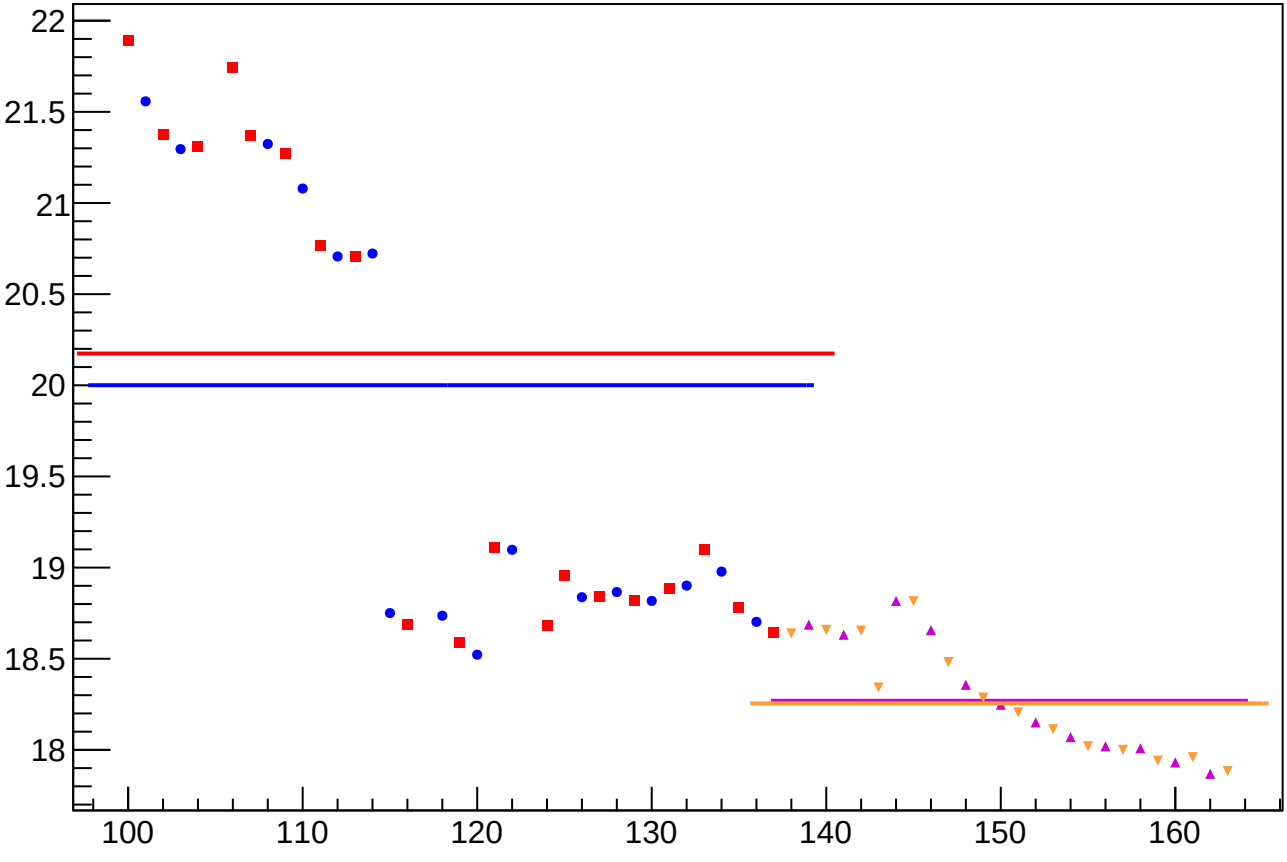
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.072+/-0.000 χ^2/NDF:1514068.3/27

Out: 0.073+/-0.000 χ^2/NDF:1726904.9/32

All: 0.073+/-0.000 χ^2/NDF: 3243360.4/60

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.255+/-0.000 χ^2/NDF:957879554.0/13

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.269+/-0.000 χ^2/NDF:929980648.7/11

Left: 18.262+/-0.000 χ^2/NDF: 1888837587.0/25

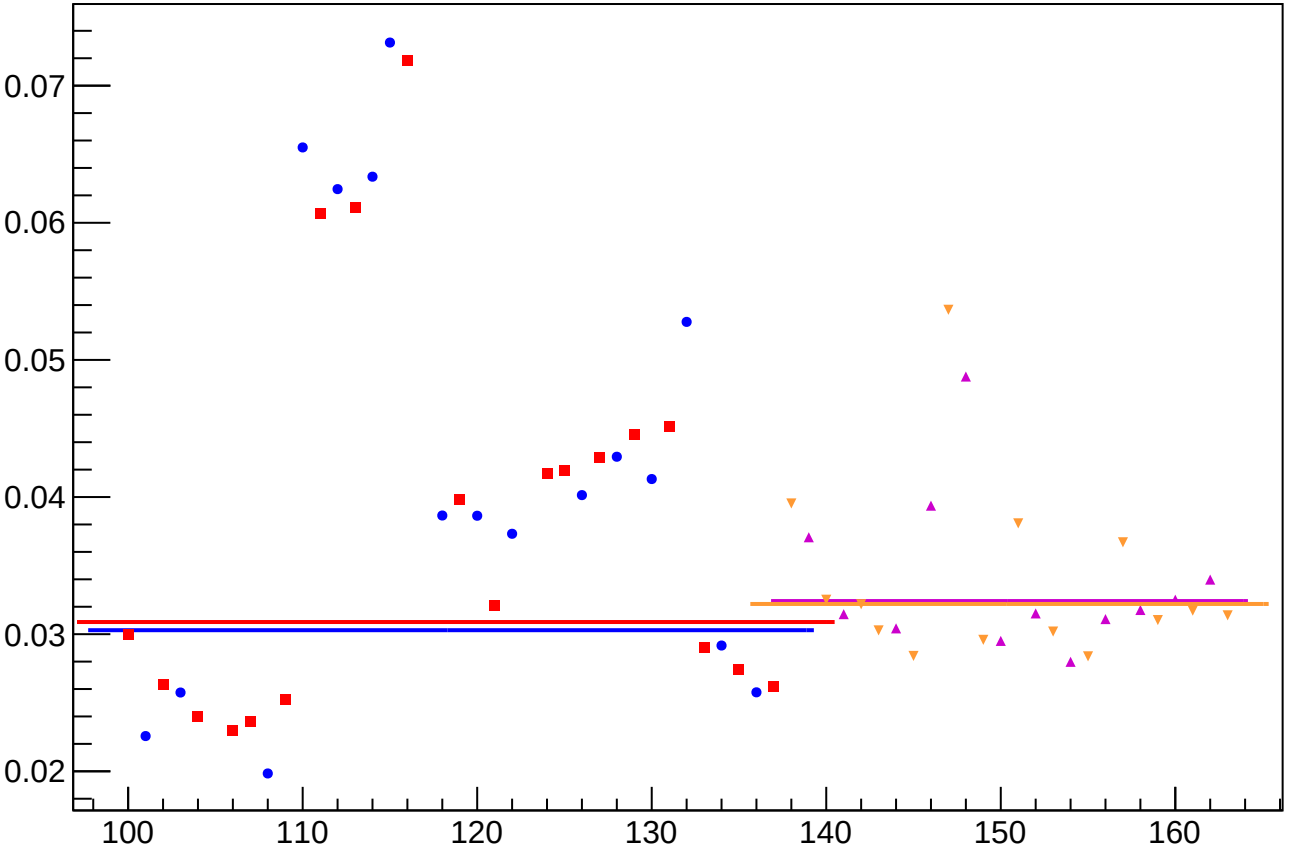
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.982+/-0.000 χ^2/NDF:23266589326.4/27

Out: 19.007+/-0.000 χ^2/NDF:25989740424.0/32

All: 18.995+/-0.000 χ^2/NDF: 49261223223.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.032+/-0.000 χ^2/NDF:454038.0/13

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.032+/-0.000 χ^2/NDF:332049.5/11

Left: 0.032+/-0.000 χ^2/NDF: 786523.0/25

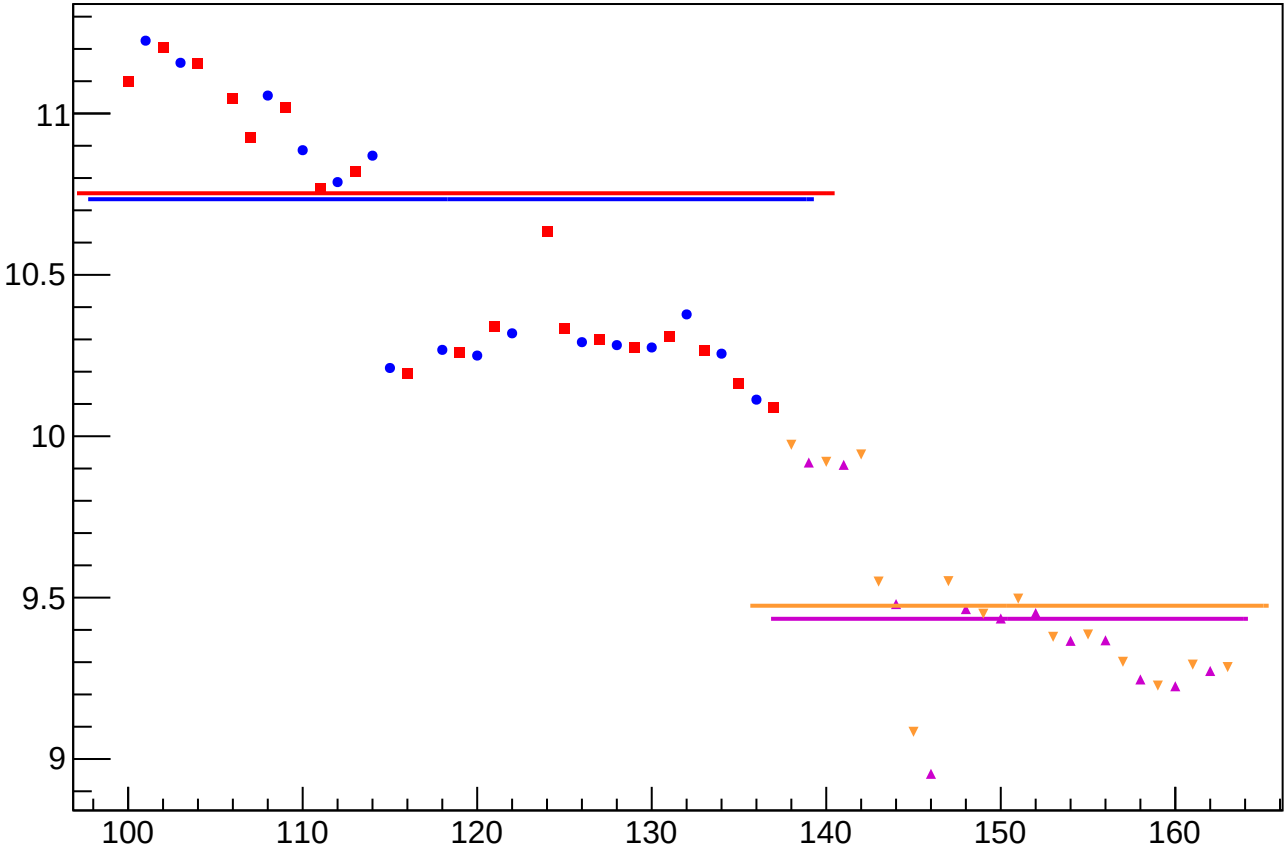
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1813958.6/27

Out: 0.032+/-0.000 χ^2/NDF:1672521.3/32

All: 0.032+/-0.000 χ^2/NDF: 3486831.6/60

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.475+/-0.000 χ^2/NDF:1757265266.8/13

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.434+/-0.000 χ^2/NDF:1319279437.6/11

Left: 9.456+/-0.000 χ^2/NDF: 3096290554.0/25

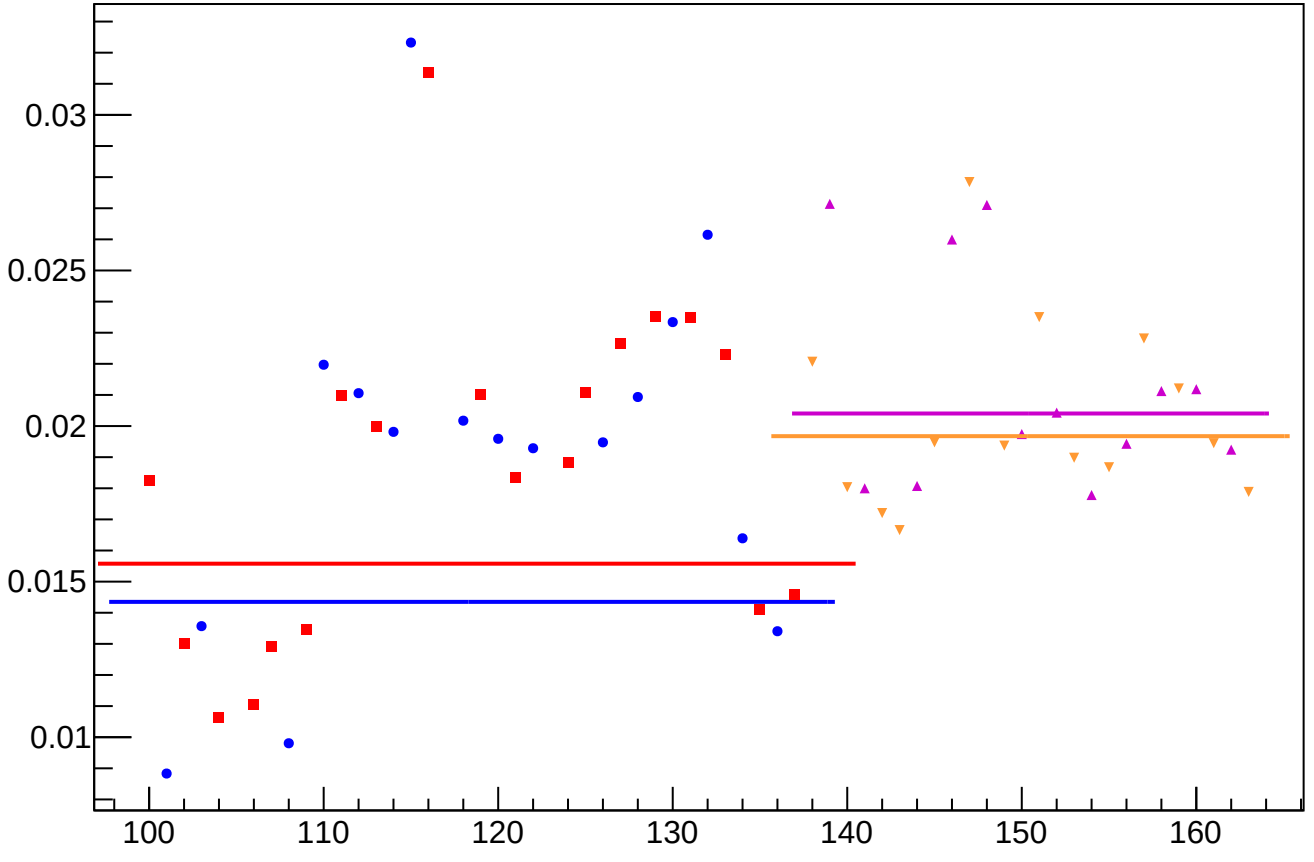
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.152+/-0.000 χ^2/NDF:28113907035.7/27

Out: 10.108+/-0.000 χ^2/NDF:27116976371.1/32

All: 10.130+/-0.000 χ^2/NDF: 55279177763.7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:330277.6/13

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:379103.9/11

Left: 0.020+/-0.000 χ^2/NDF: 722152.9/25

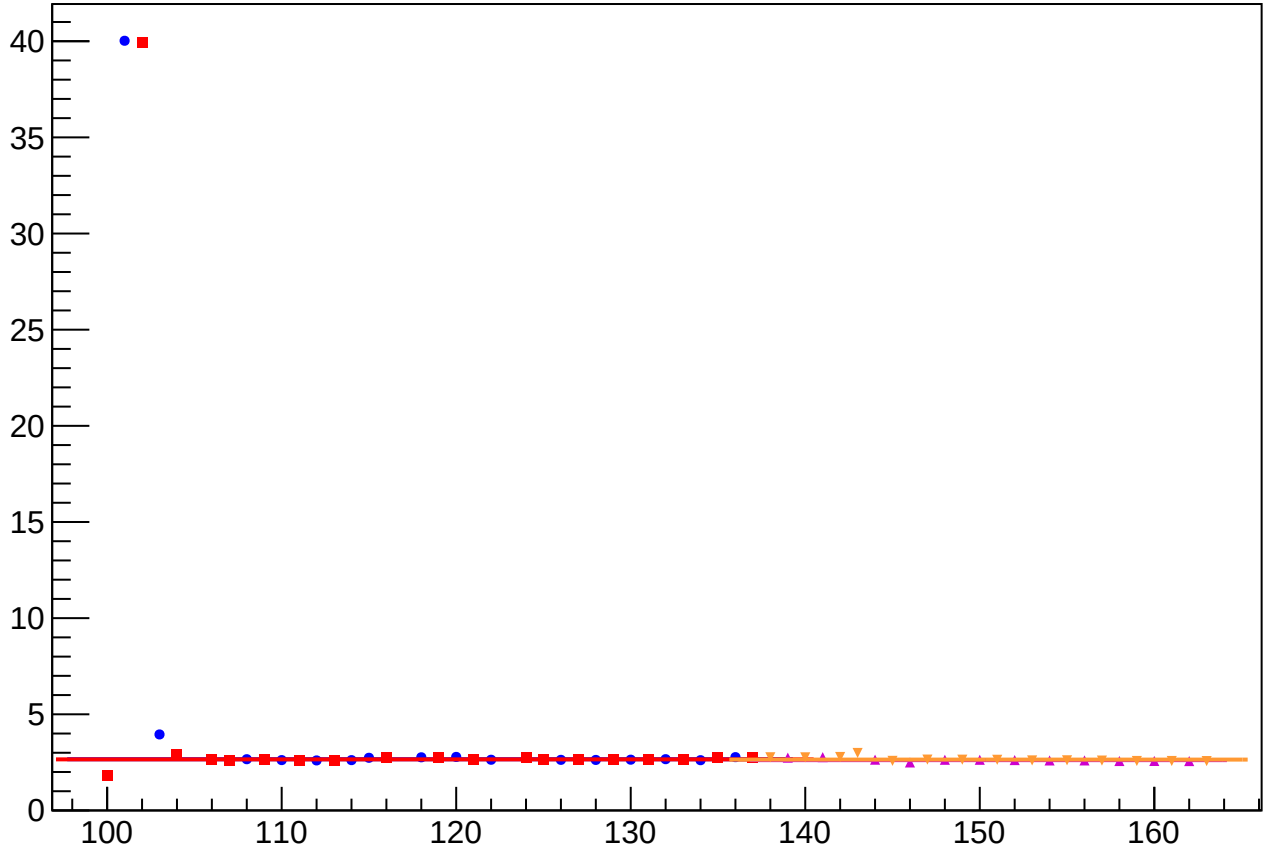
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2768015.9/27

Out: 0.018+/-0.000 χ^2/NDF:1834502.1/32

All: 0.017+/-0.000 χ^2/NDF: 4619679.7/60

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.644+/-0.000 χ^2/NDF:19831857548.9/13

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.617+/-0.000 χ^2/NDF:8403891414.1/11

Left: 2.631+/-0.000 χ^2/NDF: 28871247487.8/25

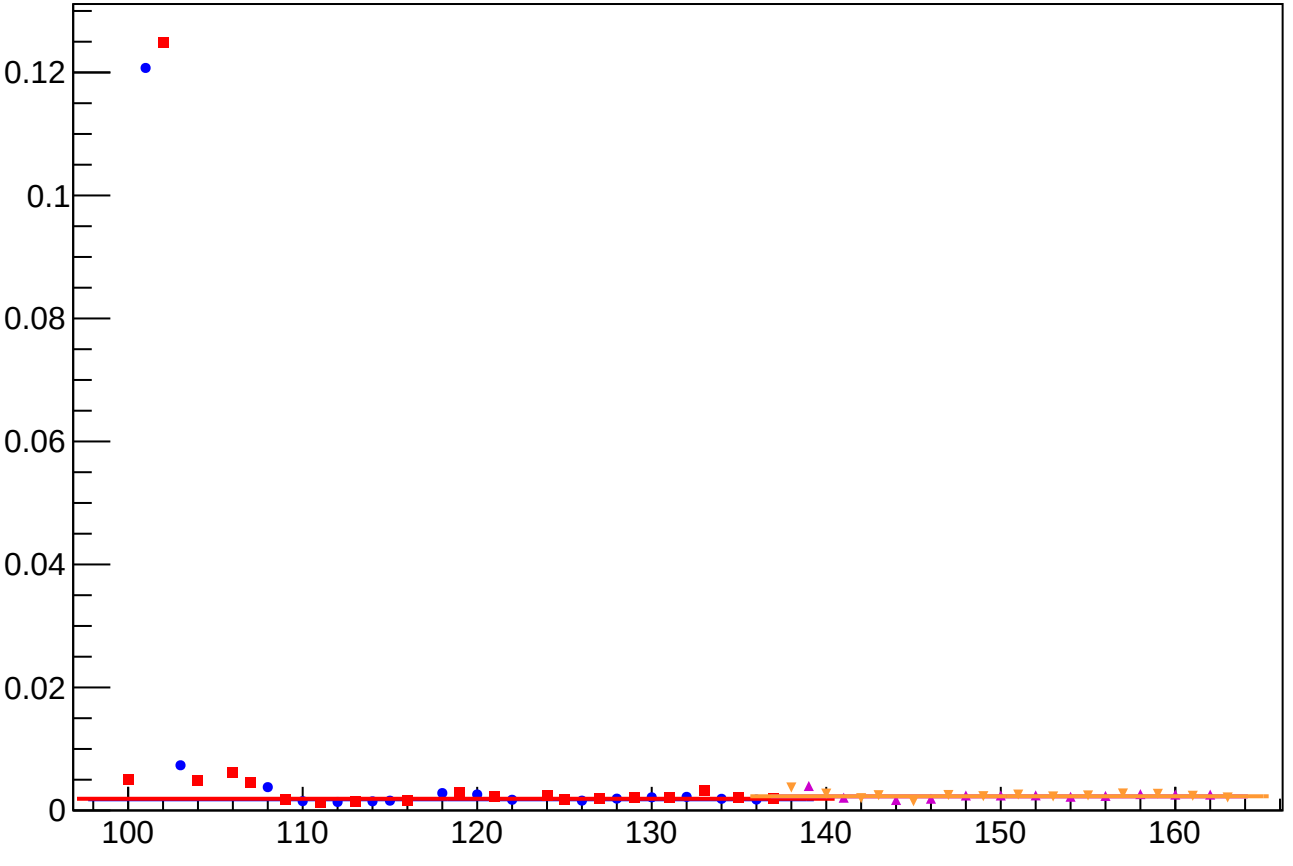
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.639+/-0.000 χ^2/NDF:77925587399.2/27

Out: 2.650+/-0.000 χ^2/NDF:84998546013.7/32

All: 2.645+/-0.000 χ^2/NDF: 163106620126.6

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:747906.2/13

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:606704.9/11

Left: 0.002+/-0.000 χ^2/NDF: 1355300.5/25

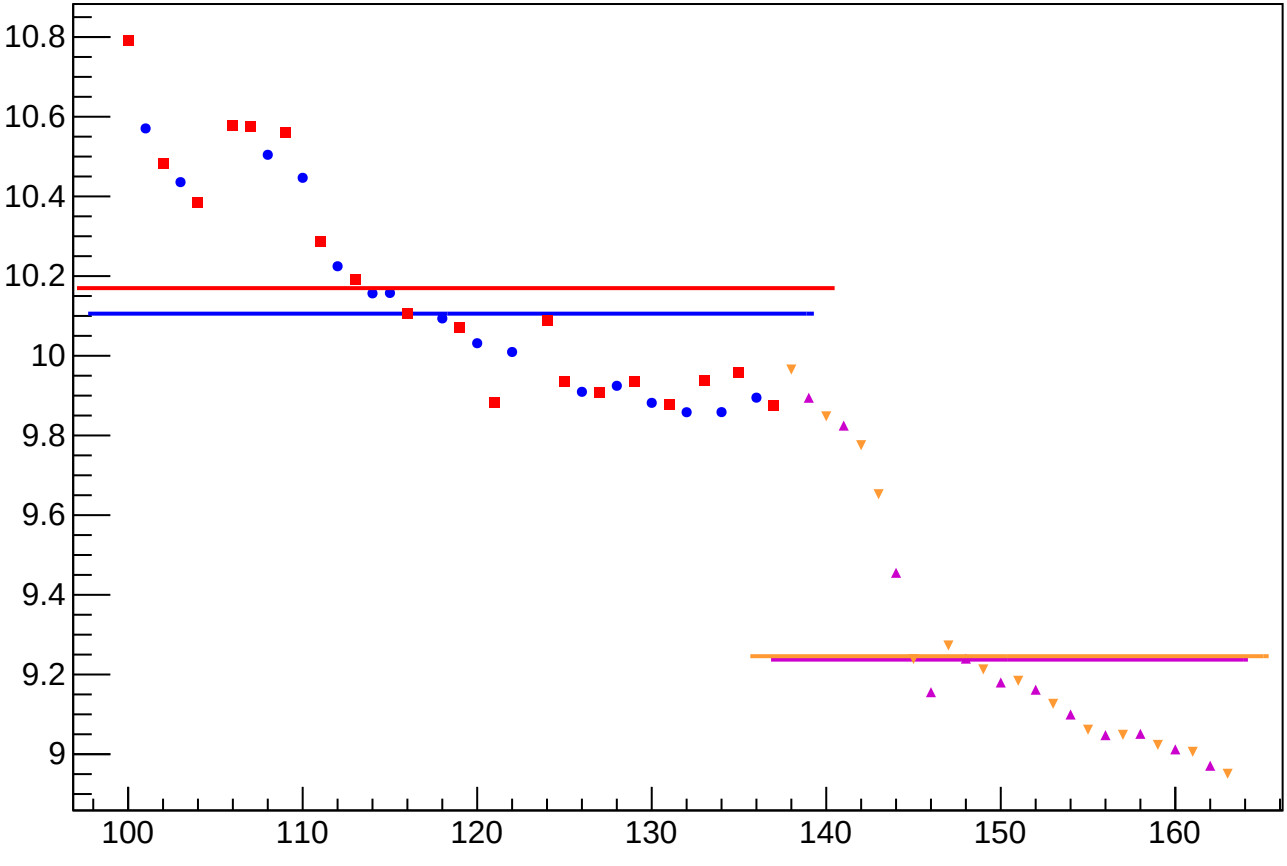
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2765817.9/27

Out: 0.002+/-0.000 χ^2/NDF:3526803.4/32

All: 0.002+/-0.000 χ^2/NDF: 6303438.4/60

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.246+/-0.000 χ^2/NDF:17829718122.0/13

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.237+/-0.000 χ^2/NDF:13968403450.8/11

Left: 9.242+/-0.000 χ^2/NDF: 31805906506.6/25

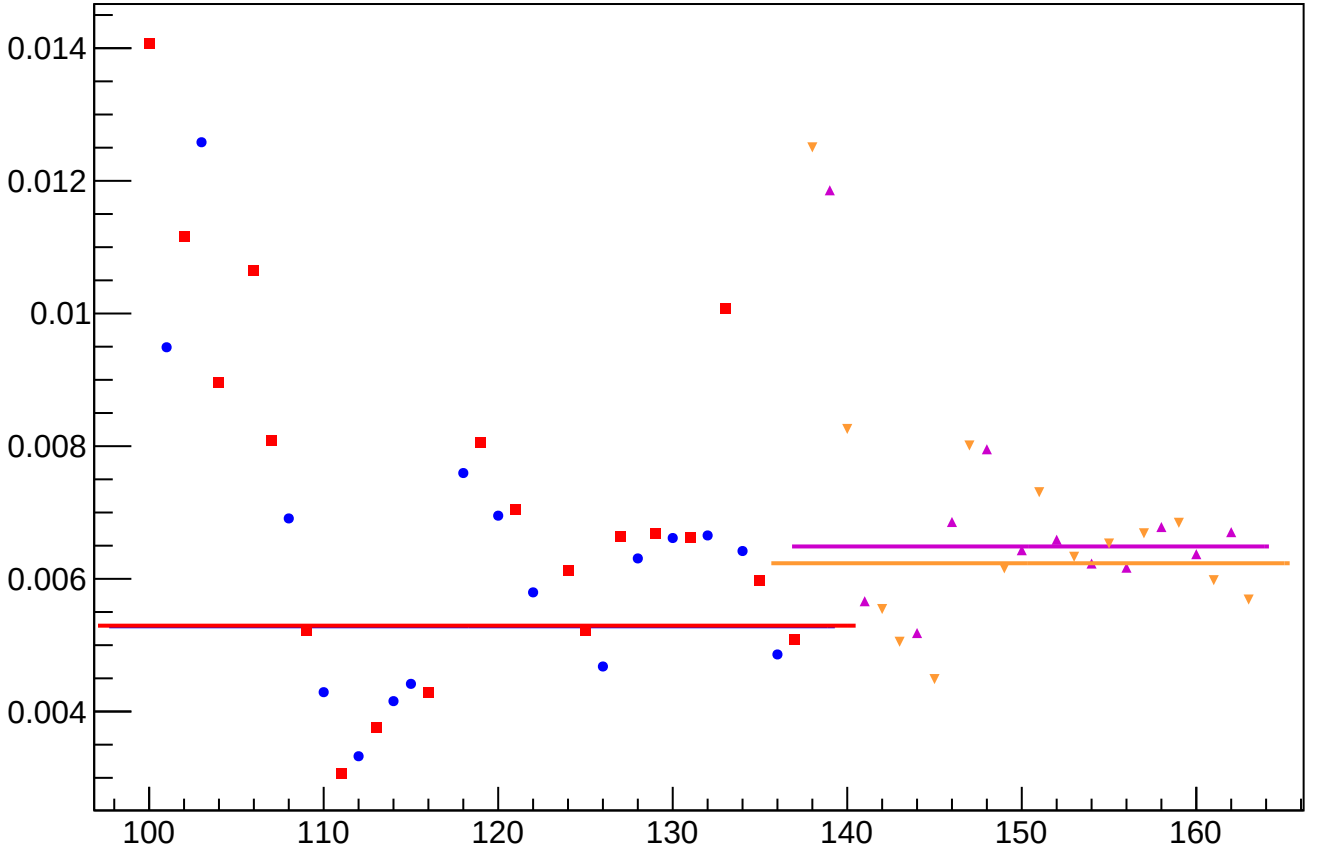
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.667+/-0.000 χ^2/NDF:96796249938.8/27

Out: 9.675+/-0.000 χ^2/NDF:116916213431.9/32

All: 9.671+/-0.000 χ^2/NDF: 213726254547.7

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:817711.6/13

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:497321.1/11

Left: 0.006+/-0.000 χ^2/NDF: 1328558.8/25

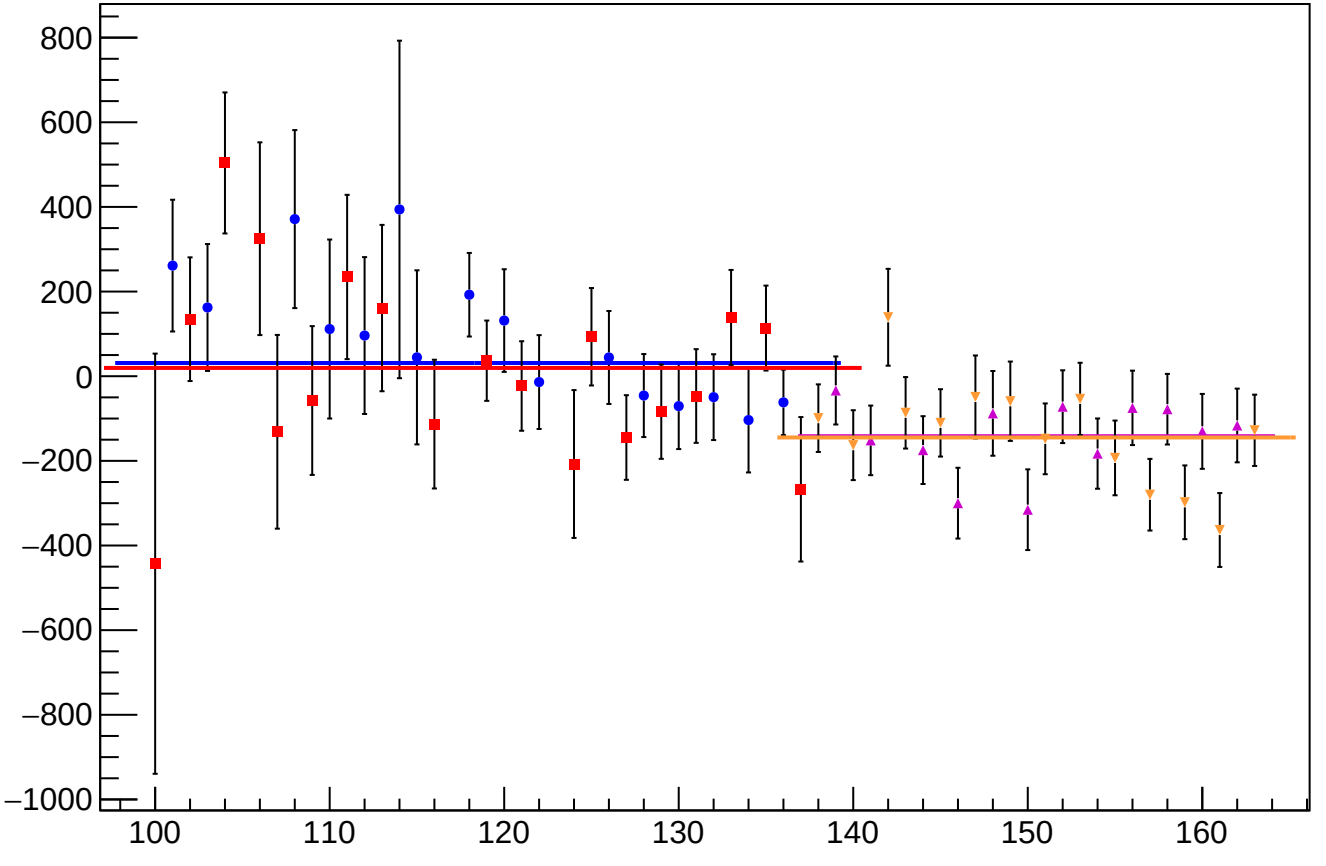
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2054647.0/27

Out: 0.006+/-0.000 χ^2/NDF:2796631.6/32

All: 0.006+/-0.000 χ^2/NDF: 4854938.5/60

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.743+/-23.262 χ^2/NDF:22.4/13

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -141.805+/-24.814 χ^2/NDF:11.3/11

Left: -143.369+/-16.971 χ^2/NDF: 33.7/25

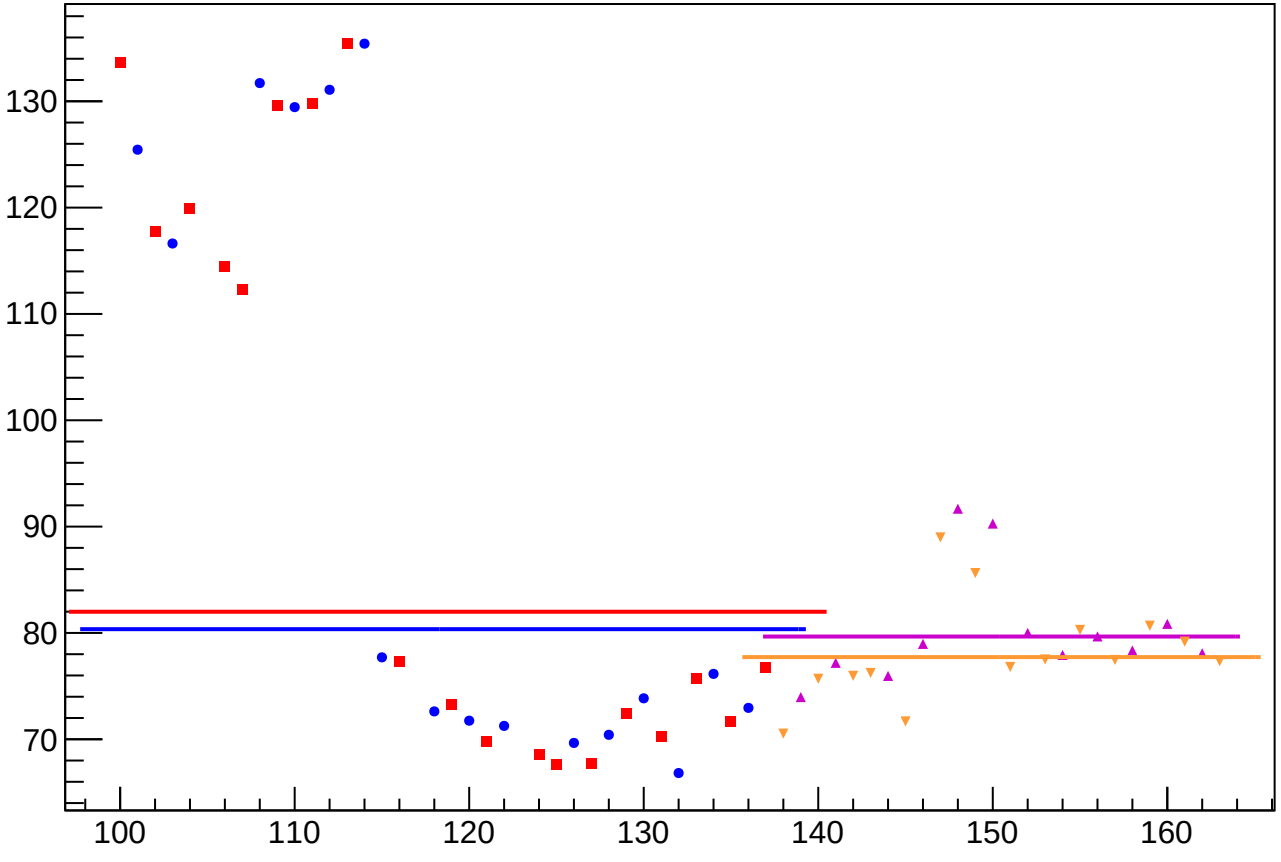
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -73.655+/-19.320 χ^2/NDF:45.6/27

Out: -85.692+/-18.619 χ^2/NDF:66.2/32

All: -79.896+/-13.406 χ^2/NDF: 112.0/60

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.662+/-0.018 χ^2/NDF:72328.2/11

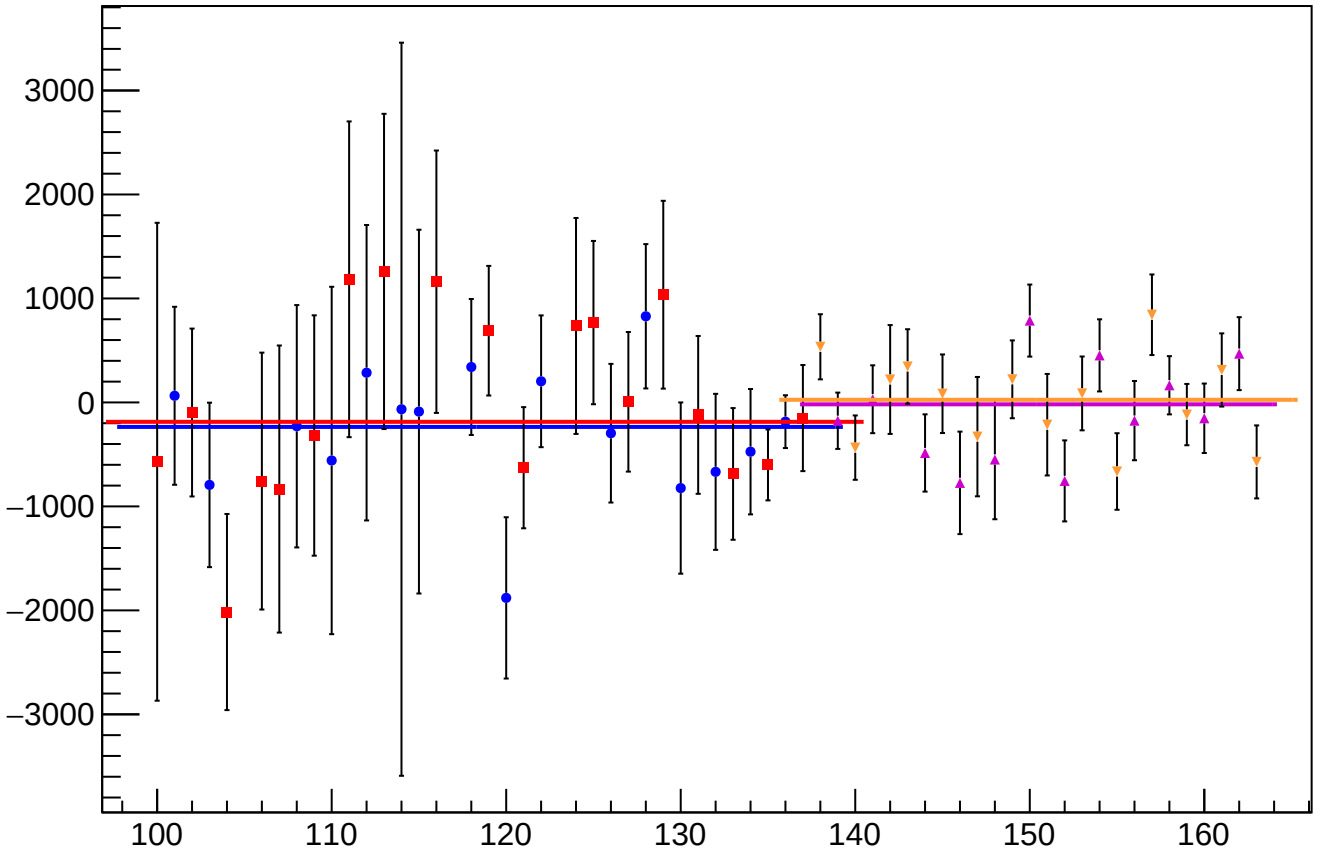
Left: 78.632+/-0.012 χ^2/NDF: 154369.3/25

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.934+/-0.014 χ^2/NDF:912980.3/27

Out: 79.260+/-0.013 χ^2/NDF:1032076.4/32

All: 79.585+/-0.009 χ^2/NDF: 1946319.6/60



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.269+/-98.483 χ^2/NDF:18.5/13

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -18.388+/-101.341 χ^2/NDF:18.7/11

Left: 4.065+/-70.627 χ^2/NDF: 37.3/25

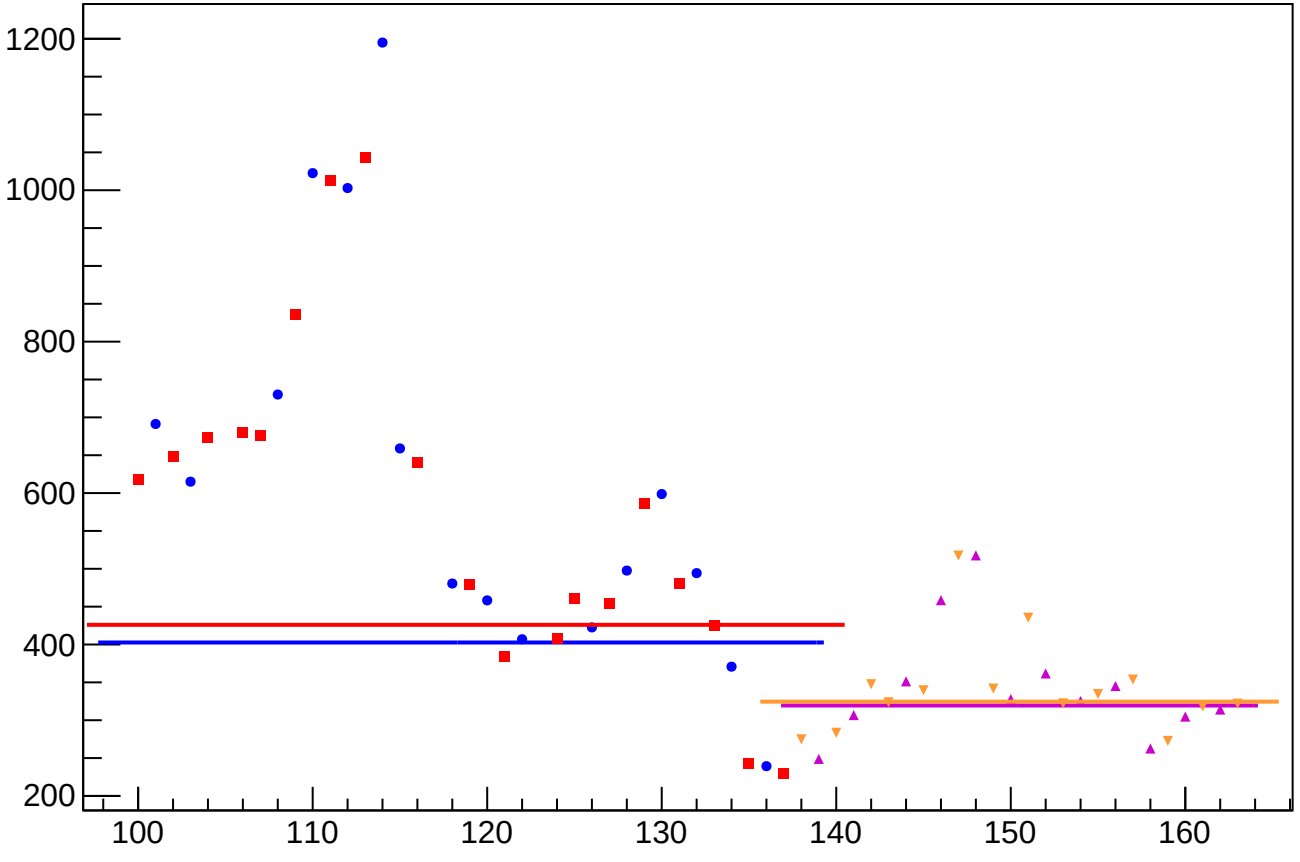
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -78.512+/-86.175 χ^2/NDF:29.9/27

Out: -27.788+/-85.266 χ^2/NDF:35.6/32

All: -52.881+/-60.611 χ^2/NDF: 65.7/60

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 324.548+/-0.070 χ^2/NDF:501637.7/13

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 319.447+/-0.072 χ^2/NDF:671834.7/11

Left: 322.070+/-0.050 χ^2/NDF: 1176078.3/25

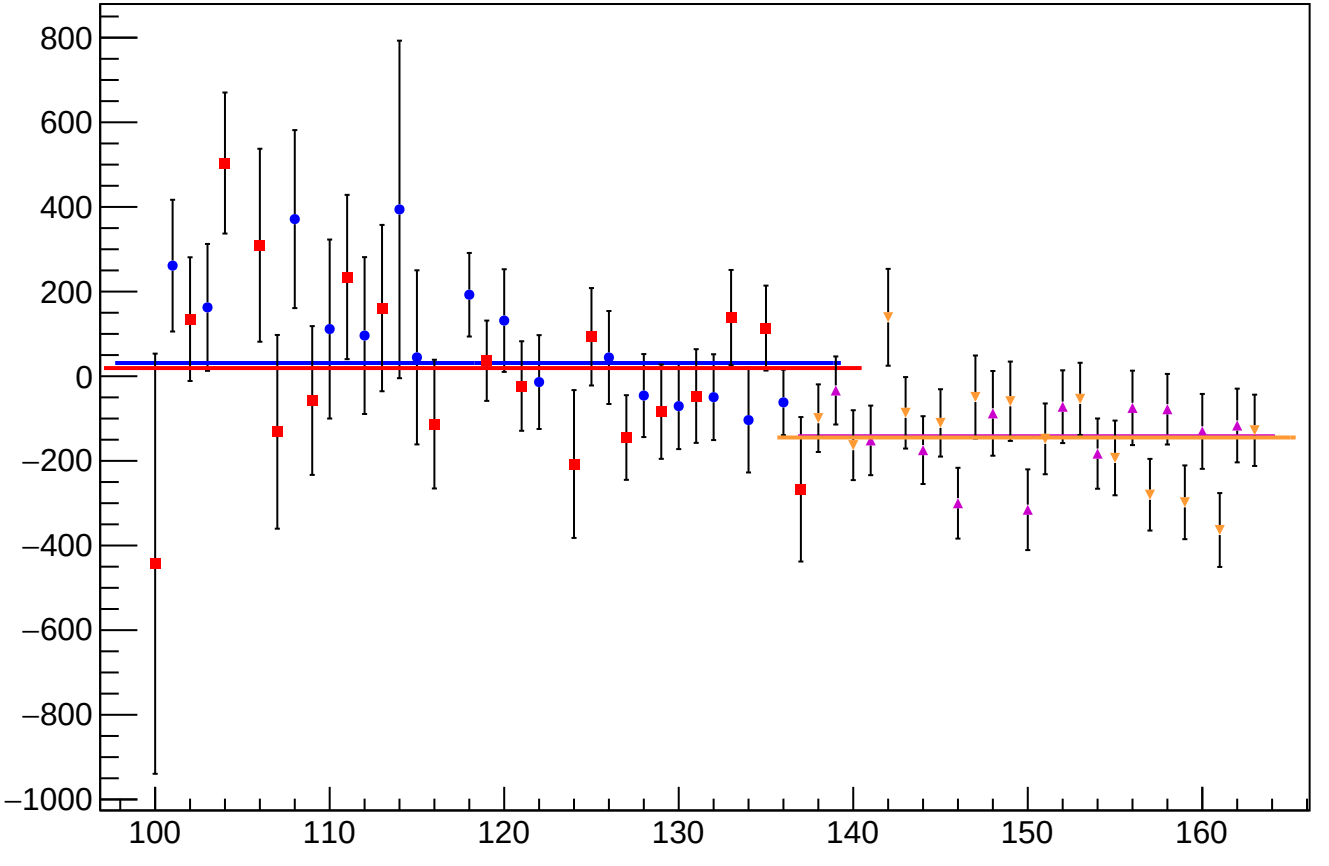
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 342.488+/-0.061 χ^2/NDF:3405300.9/27

Out: 349.947+/-0.060 χ^2/NDF:3401678.5/32

All: 346.257+/-0.043 χ^2/NDF: 6814549.9/60

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -141.810+/-24.814 χ^2/NDF:11.3/11

Left: -143.369+/-16.971 χ^2/NDF: 33.7/25

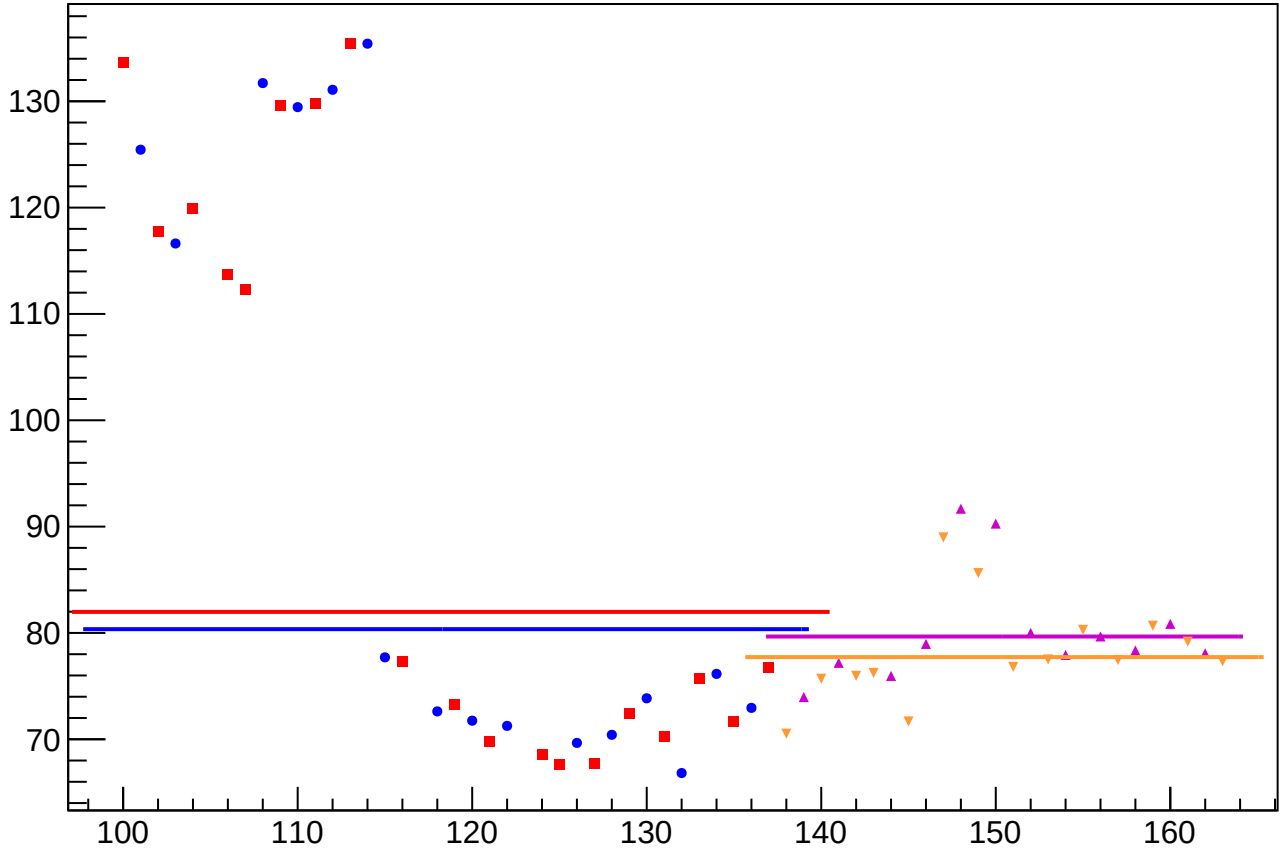
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -73.654+/-19.320 χ^2/NDF:45.6/27

Out: -85.797+/-18.619 χ^2/NDF:66.0/32

All: -79.949+/-13.407 χ^2/NDF: 111.8/60

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.662+/-0.018 χ^2/NDF:72328.2/11

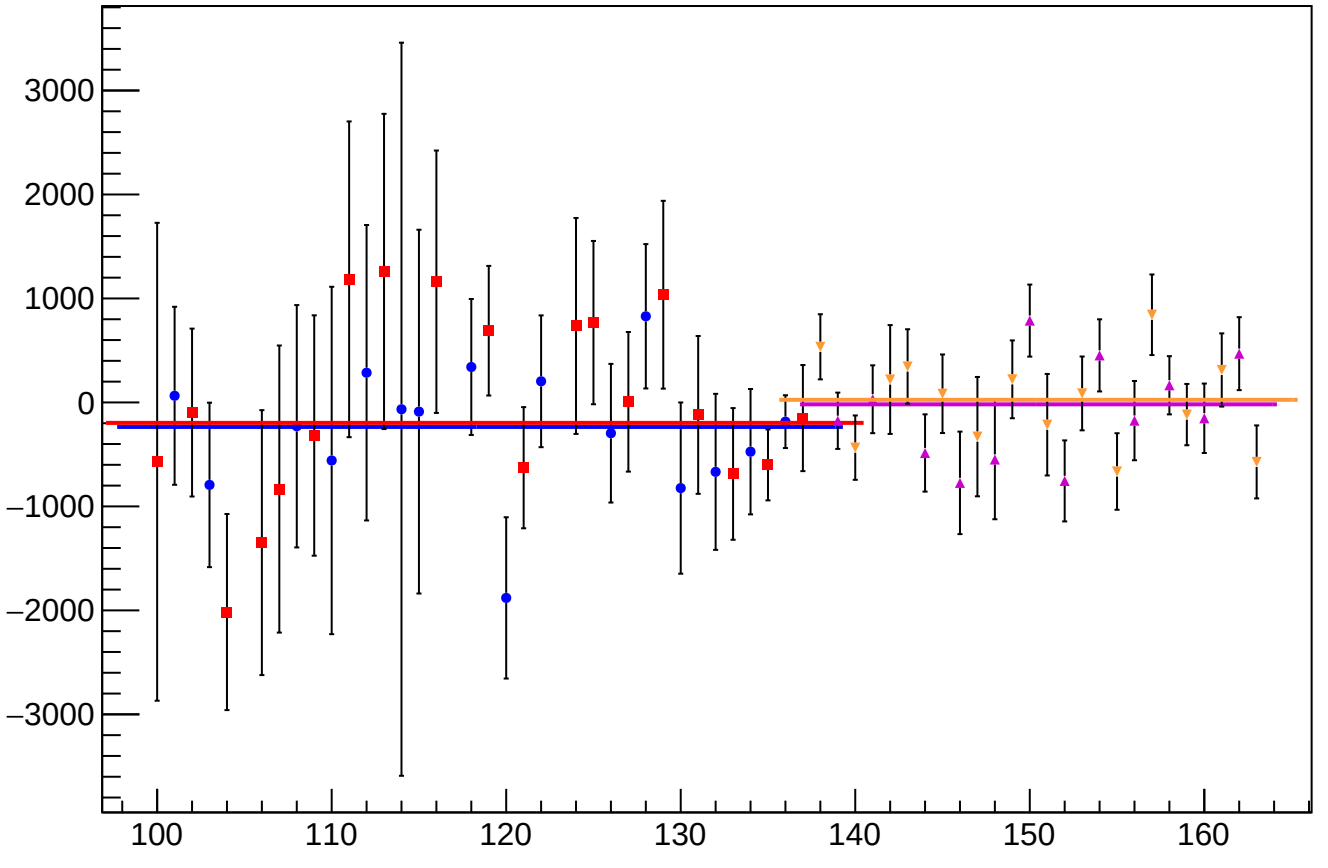
Left: 78.632+/-0.012 χ^2/NDF: 154369.3/25

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.934+/-0.014 χ^2/NDF:912980.5/27

Out: 79.255+/-0.013 χ^2/NDF:1030034.2/32

All: 79.582+/-0.009 χ^2/NDF: 1944298.1/60



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 25.271+/-98.483 χ^2/NDF:18.5/13

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -18.393+/-101.341 χ^2/NDF:18.7/11

Left: 4.063+/-70.627 χ^2/NDF: 37.3/25

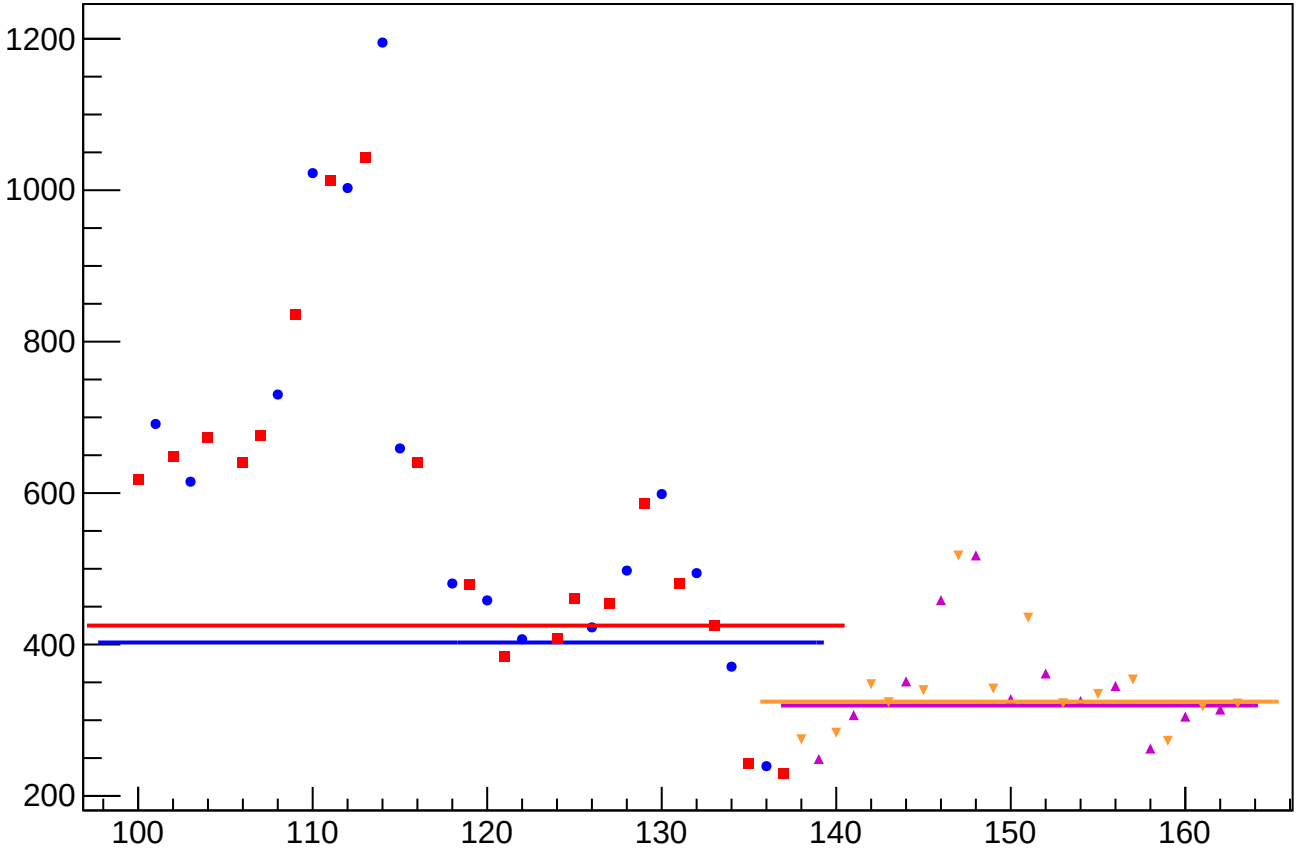
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -78.516+/-86.175 χ^2/NDF:29.9/27

Out: -30.233+/-85.278 χ^2/NDF:36.3/32

All: -54.122+/-60.615 χ^2/NDF: 66.4/60

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.447+/-0.072 χ^2/NDF:671835.3/11

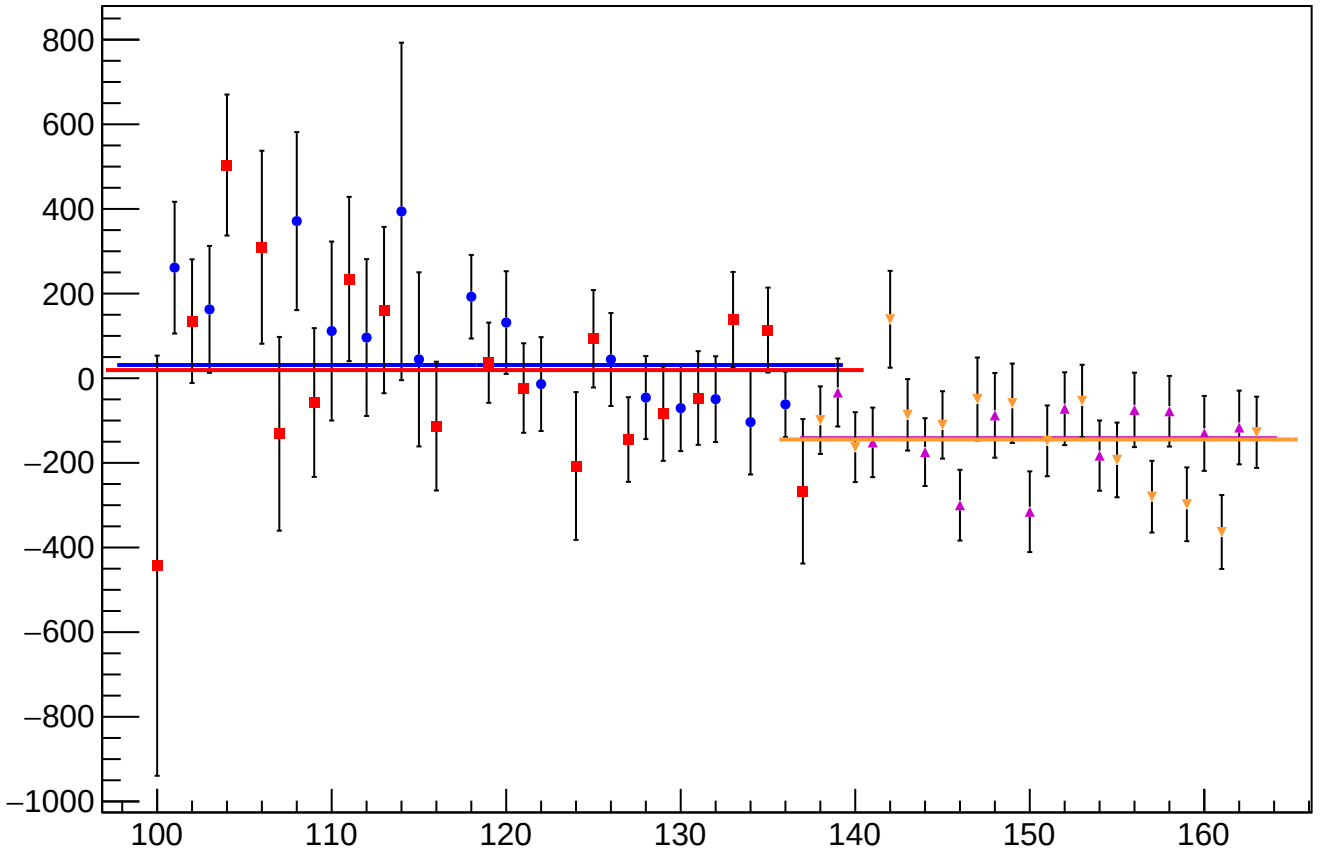
Left: 322.070+/-0.050 χ^2/NDF: 1176085.8/25

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 342.488+/-0.061 χ^2/NDF:3405296.5/27

Out: 349.677+/-0.060 χ^2/NDF:3363133.5/32

All: 346.120+/-0.043 χ^2/NDF: 6775460.6/60



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -144.739+/-23.262 χ^2/NDF:22.4/13

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -141.810+/-24.814 χ^2/NDF:11.3/11

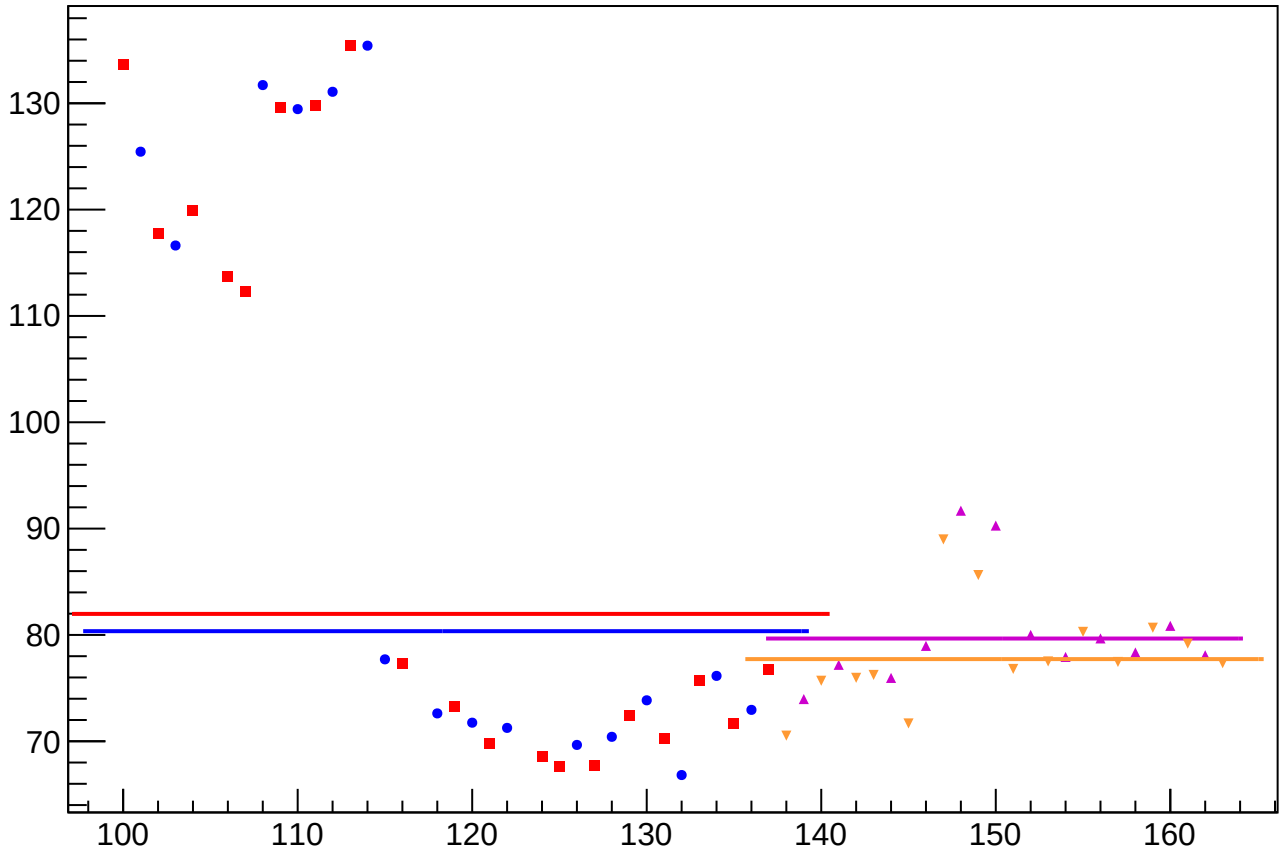
Left: -143.369+/-16.971 χ^2/NDF: 33.7/25

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -73.654+/-19.320 χ^2/NDF:45.6/27

Out: -85.797+/-18.619 χ^2/NDF:66.0/32

All: -79.949+/-13.407 χ^2/NDF: 111.8/60



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.727+/-0.016 χ^2/NDF:75570.3/13

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.662+/-0.018 χ^2/NDF:72328.2/11

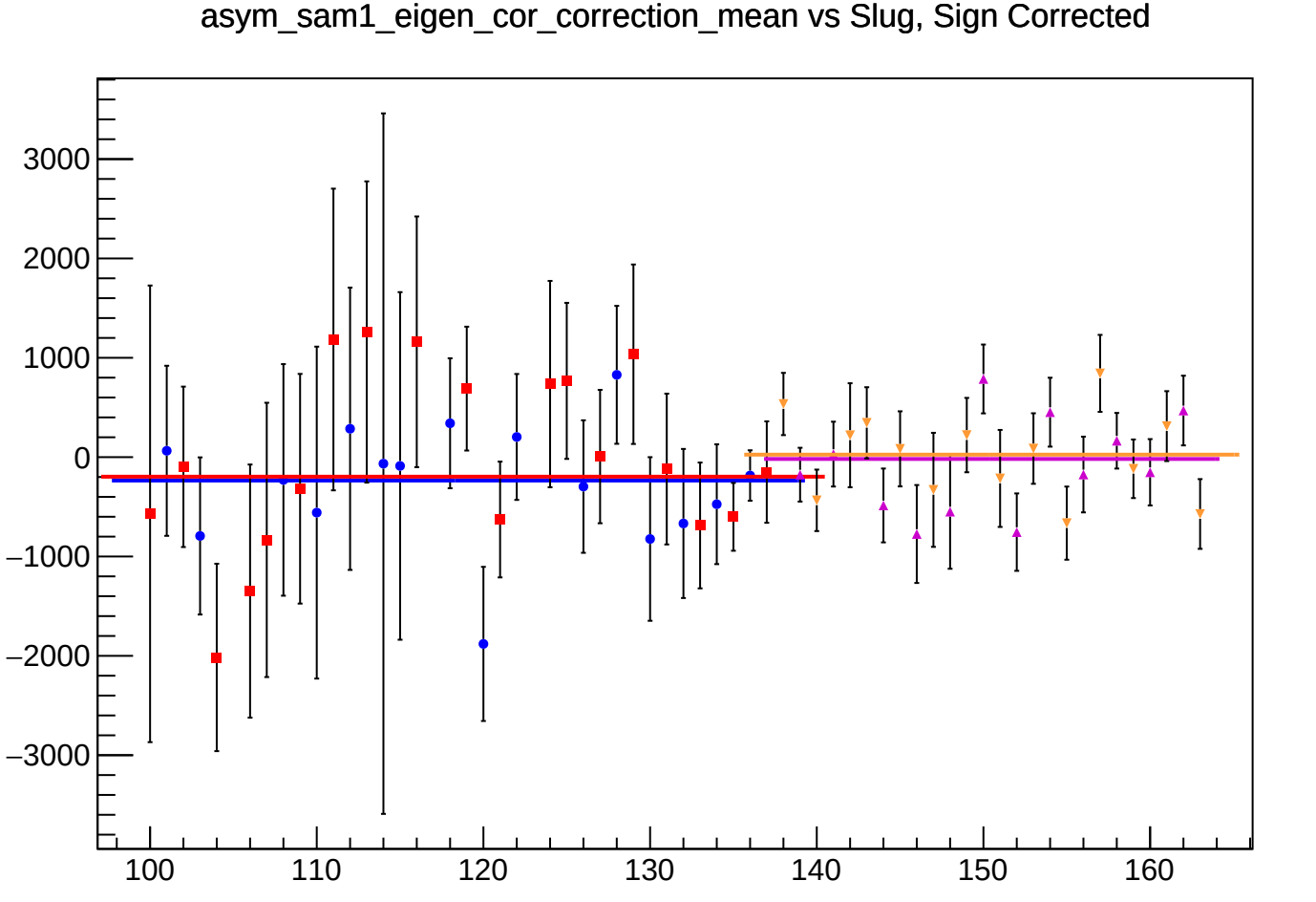
Left: 78.632+/-0.012 χ^2/NDF: 154369.3/25

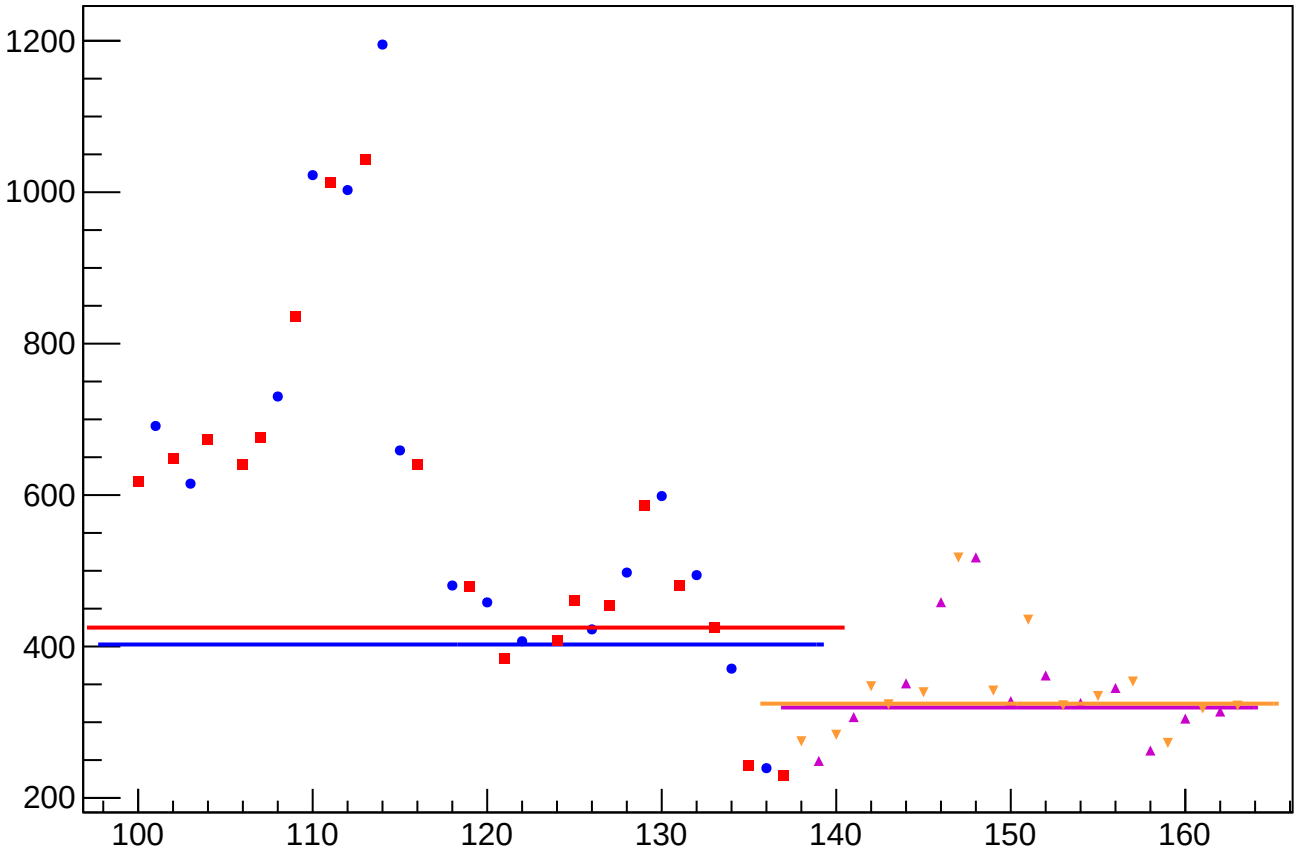
Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.934+/-0.014 χ^2/NDF:912980.5/27

Out: 79.255+/-0.013 χ^2/NDF:1030034.2/32

All: 79.582+/-0.009 χ^2/NDF: 1944298.1/60


asym_sam1_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: 25.271+/-98.483 χ²/NDF:18.5/13
Right Out: -196.579+/-170.492 χ²/NDF: 16.6/18
Left In: -18.393+/-101.341 χ²/NDF:18.7/11
Left: 4.063+/-70.627 χ²/NDF: 37.3/25
Right: -216.832+/-118.106 χ²/NDF: 26.5/34
In: -78.516+/-86.175 χ²/NDF:29.9/27
Out: -30.233+/-85.278 χ²/NDF:36.3/32
All: -54.122+/-60.615 χ²/NDF: 66.4/60



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 324.548+/-0.070 χ^2/NDF:501644.9/13

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 319.447+/-0.072 χ^2/NDF:671835.3/11

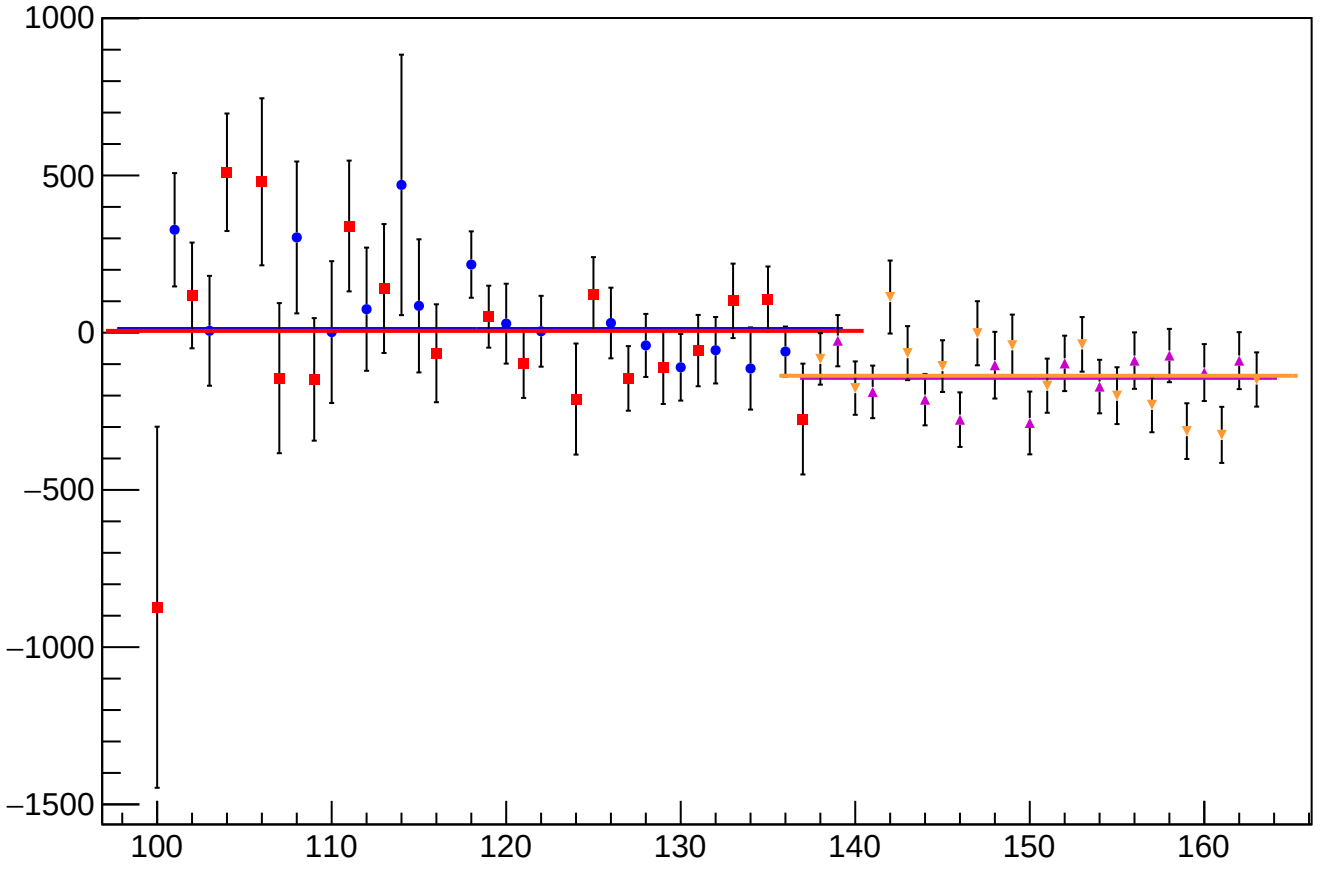
Left: 322.070+/-0.050 χ^2/NDF: 1176085.8/25

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 342.488+/-0.061 χ^2/NDF:3405296.5/27

Out: 349.677+/-0.060 χ^2/NDF:3363133.5/32

All: 346.120+/-0.043 χ^2/NDF: 6775460.6/60



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -136.930+/-23.864 χ^2/NDF:20.4/13

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -143.533+/-25.486 χ^2/NDF:9.5/11

Left: -140.014+/-17.420 χ^2/NDF: 29.9/25

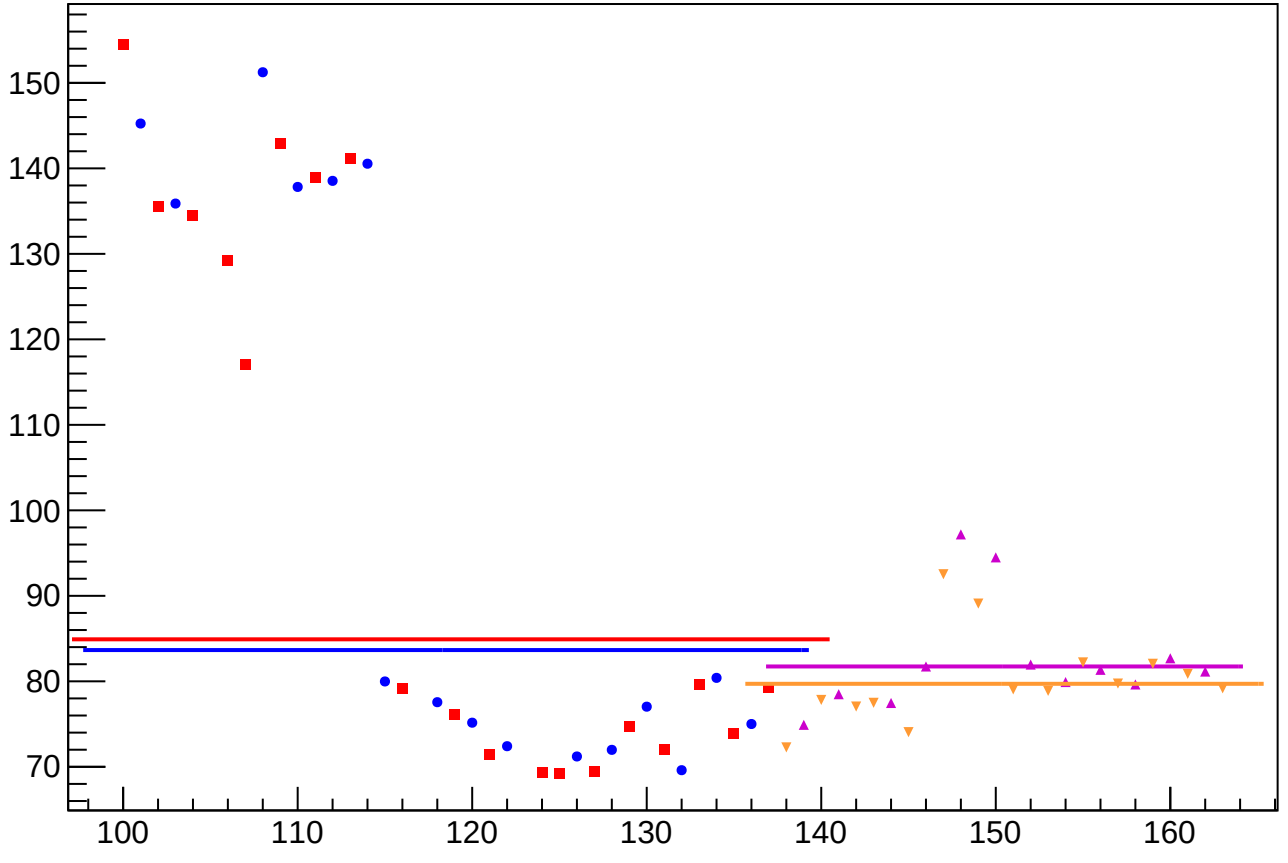
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -83.982+/-20.007 χ^2/NDF:37.3/27

Out: -86.814+/-19.223 χ^2/NDF:61.7/32

All: -85.455+/-13.862 χ^2/NDF: 99.0/60

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.710+/-0.017 χ^2/NDF:83116.5/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.738+/-0.018 χ^2/NDF:100126.5/11

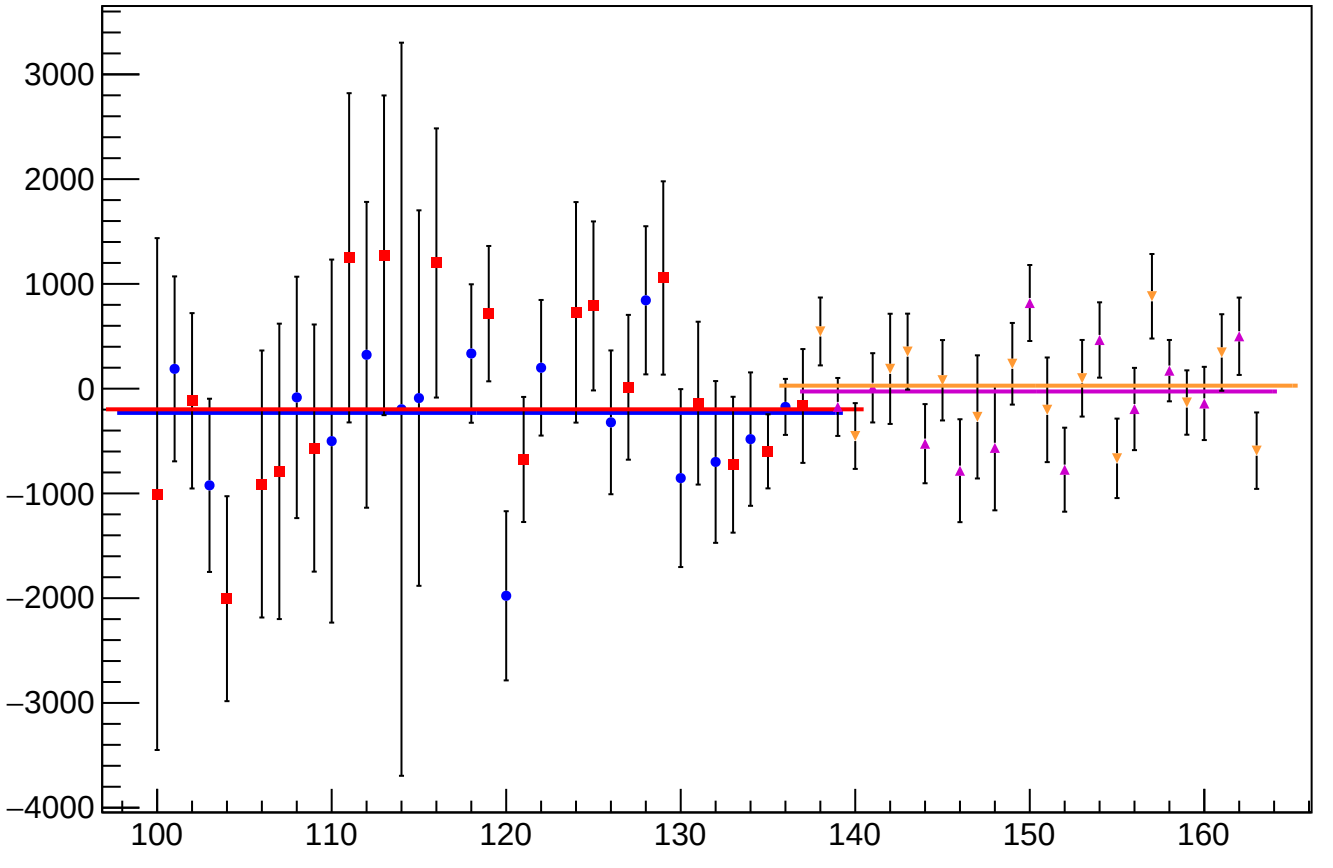
Left: 80.657+/-0.012 χ^2/NDF: 189993.8/25

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.475+/-0.014 χ^2/NDF:1139271.6/27

Out: 81.536+/-0.014 χ^2/NDF:1238168.1/32

All: 81.987+/-0.010 χ^2/NDF: 2379726.0/60



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 28.590+/-101.353 χ^2/NDF:18.3/13

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -26.995+/-104.602 χ^2/NDF:18.8/11

Left: 1.674+/-72.789 χ^2/NDF: 37.2/25

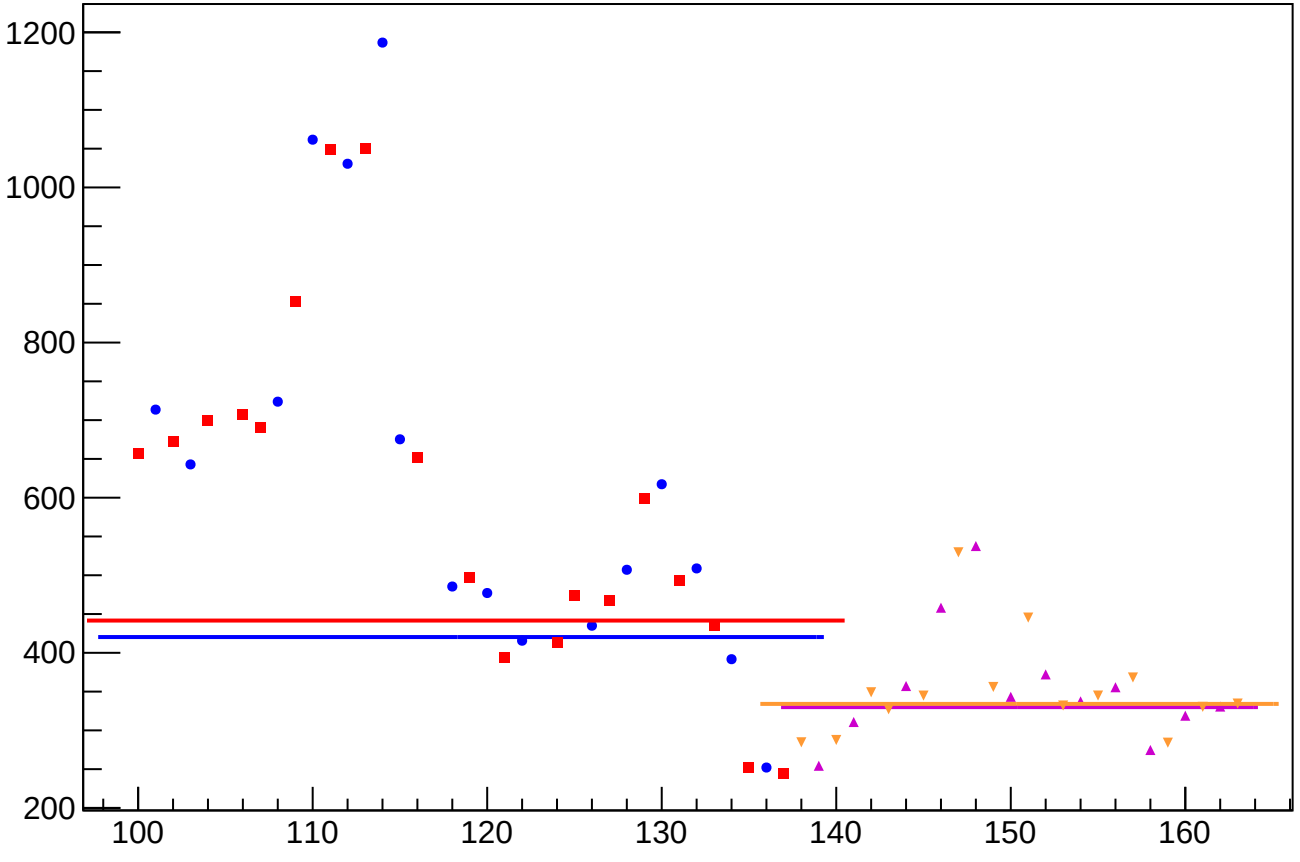
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -83.068+/-89.107 χ^2/NDF:30.2/27

Out: -27.598+/-87.842 χ^2/NDF:35.5/32

All: -54.936+/-62.556 χ^2/NDF: 65.9/60

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 334.134+/-0.072 χ^2/NDF:490362.0/13

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 329.993+/-0.074 χ^2/NDF:652391.3/11

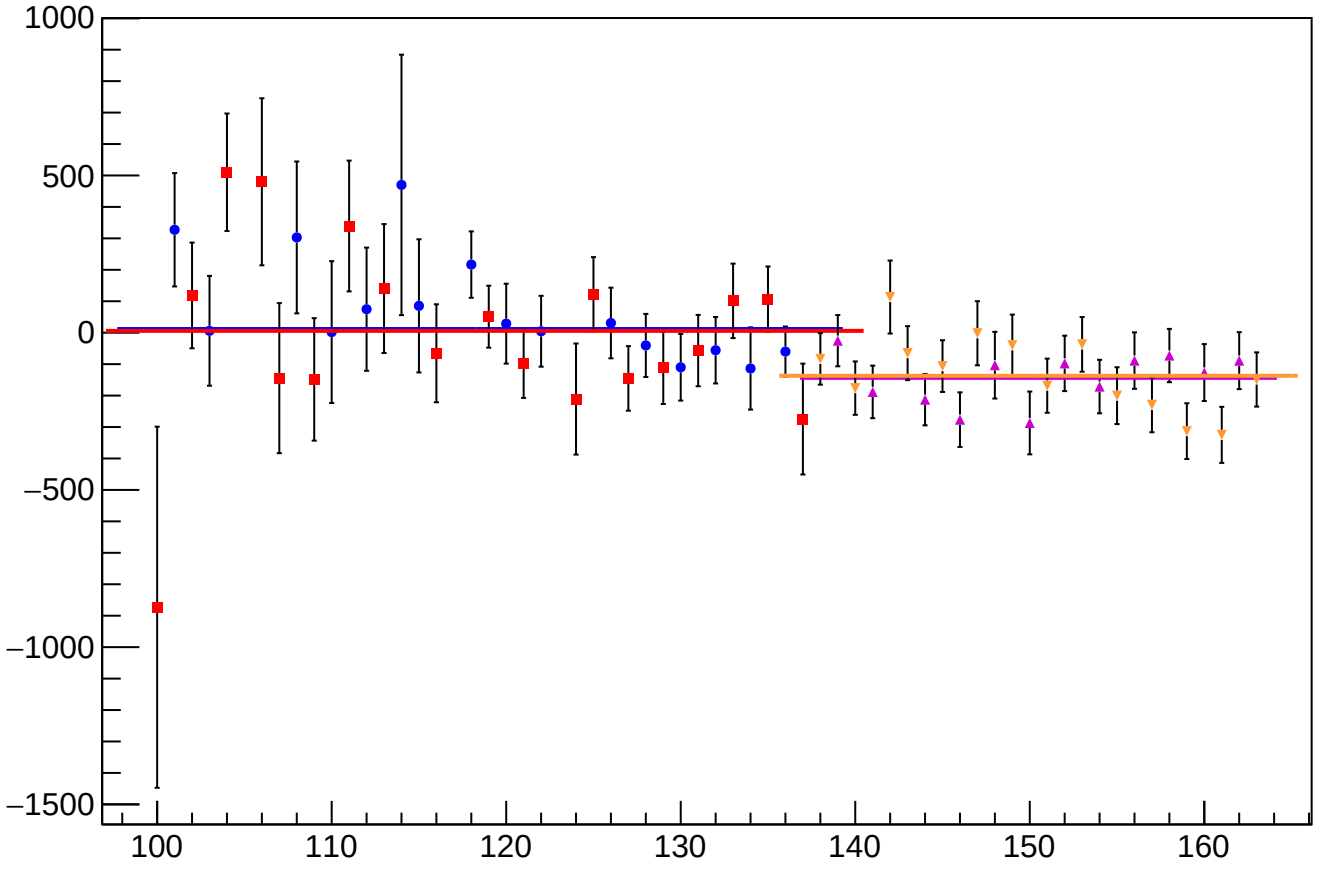
Left: 332.129+/-0.051 χ^2/NDF: 1144370.0/25

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 354.773+/-0.063 χ^2/NDF:3316195.1/27

Out: 360.876+/-0.062 χ^2/NDF:3357463.1/32

All: 357.868+/-0.044 χ^2/NDF: 6678414.8/60



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -136.929+/-23.864 χ^2/NDF:20.4/13

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -143.533+/-25.486 χ^2/NDF:9.5/11

Left: -140.014+/-17.420 χ^2/NDF: 29.9/25

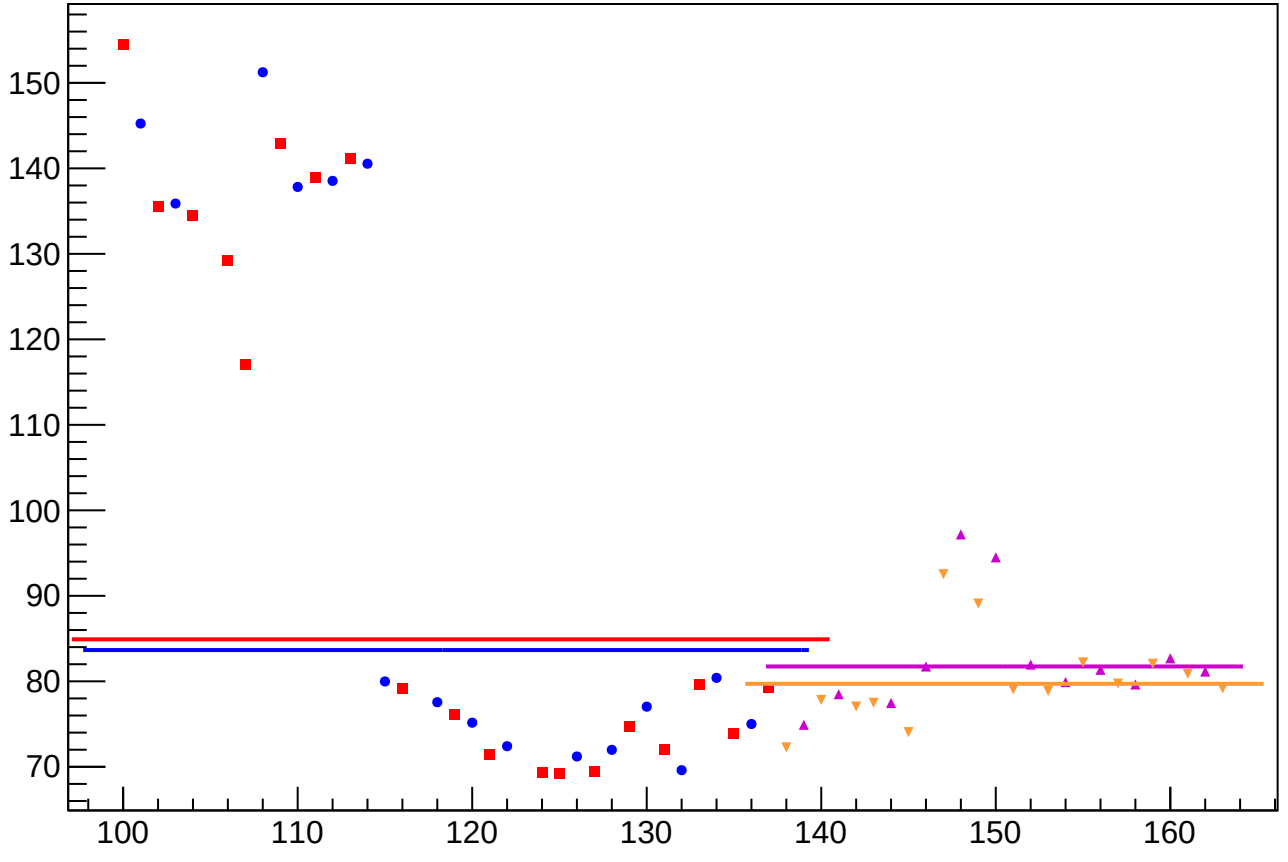
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -83.981+/-20.007 χ^2/NDF:37.3/27

Out: -86.814+/-19.223 χ^2/NDF:61.7/32

All: -85.454+/-13.862 χ^2/NDF: 99.0/60

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.710+/-0.017 χ^2/NDF:83116.0/13

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.738+/-0.018 χ^2/NDF:100125.7/11

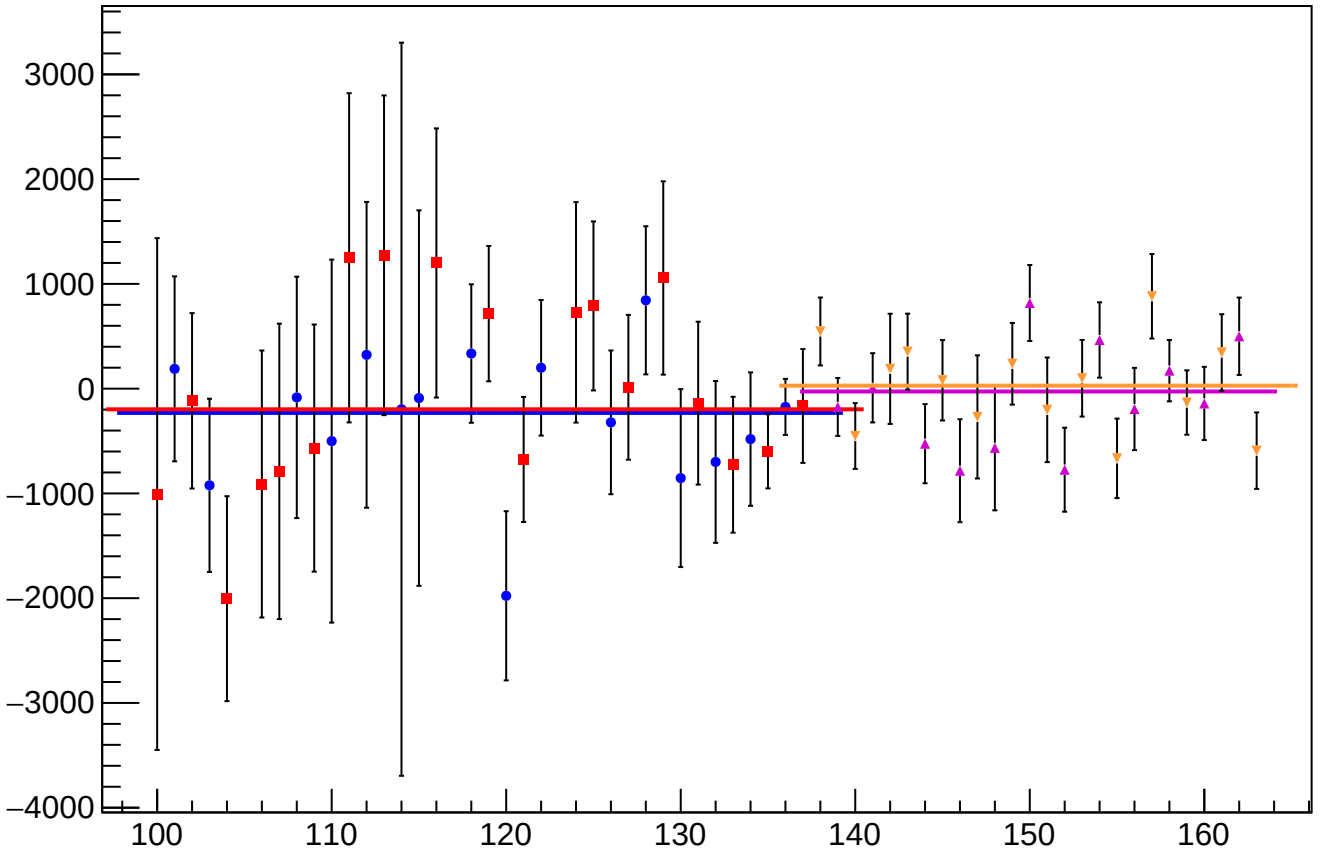
Left: 80.657+/-0.012 χ^2/NDF: 189992.5/25

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.475+/-0.014 χ^2/NDF:1139270.0/27

Out: 81.536+/-0.014 χ^2/NDF:1238165.7/32

All: 81.987+/-0.010 χ^2/NDF: 2379722.0/60



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 28.591+/-101.353 χ^2/NDF:18.3/13

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -26.995+/-104.602 χ^2/NDF:18.8/11

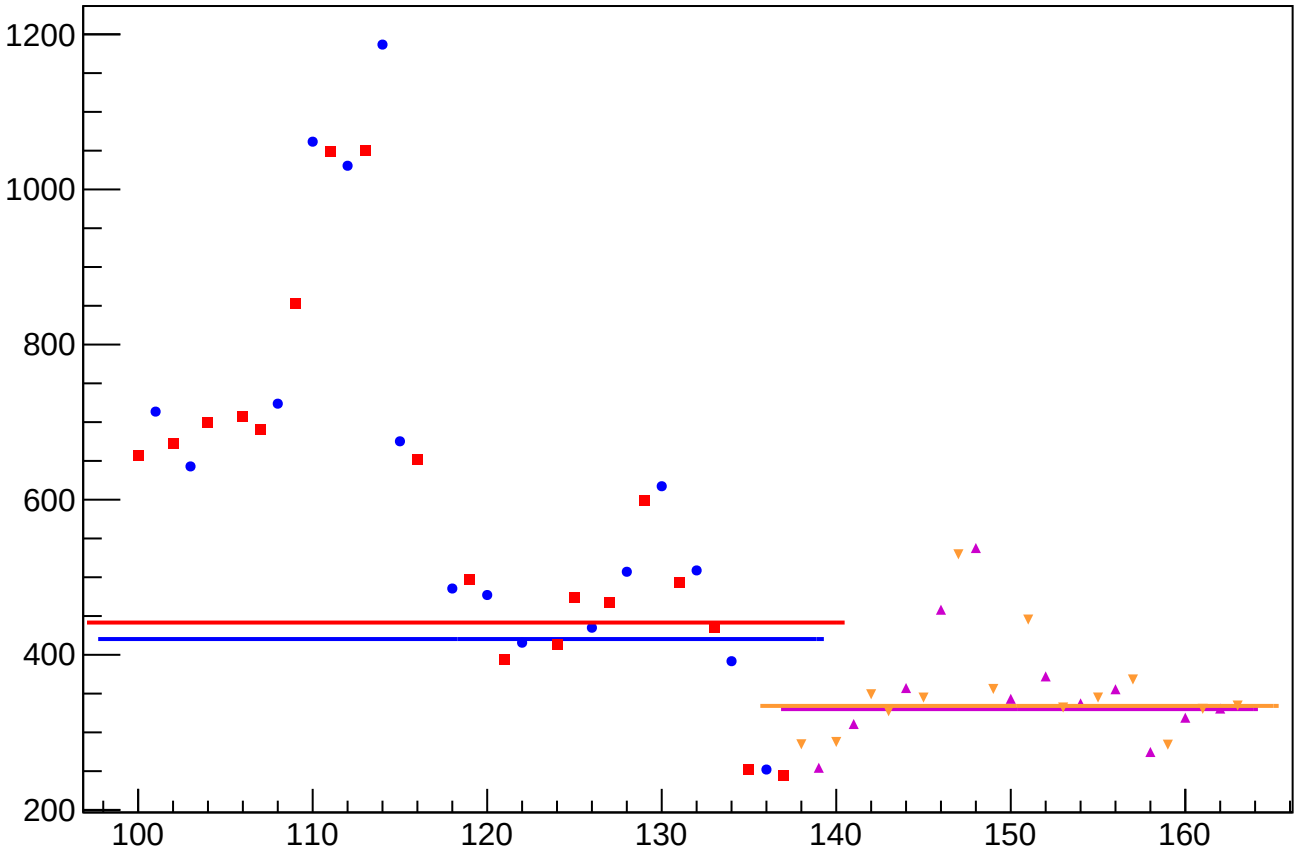
Left: 1.674+/-72.789 χ^2/NDF: 37.2/25

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -83.068+/-89.107 χ^2/NDF:30.2/27

Out: -27.598+/-87.842 χ^2/NDF:35.5/32

All: -54.936+/-62.556 χ^2/NDF: 65.9/60



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 334.134+/-0.072 χ^2/NDF:490362.4/13

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 329.993+/-0.074 χ^2/NDF:652393.0/11

Left: 332.128+/-0.051 χ^2/NDF: 1144372.1/25

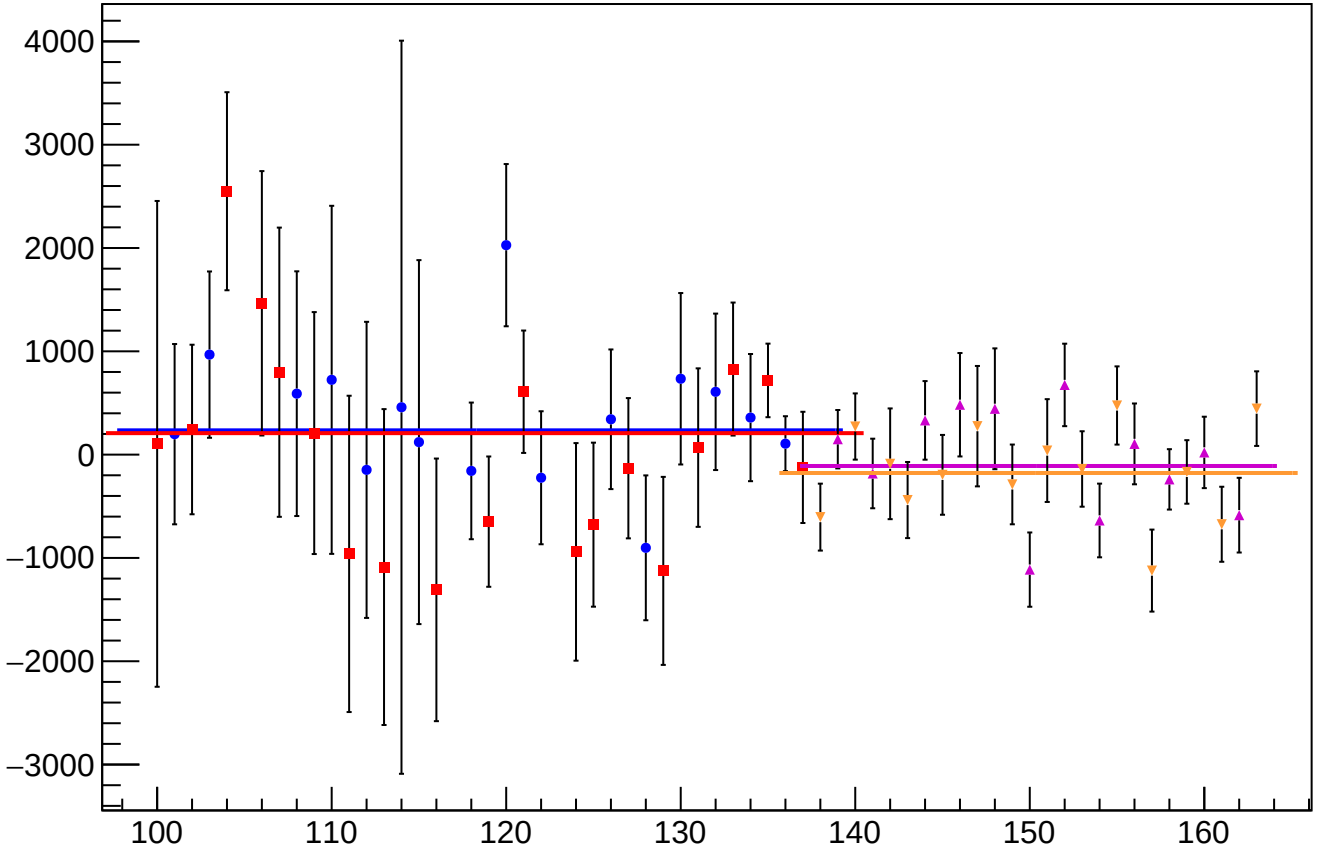
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 354.773+/-0.063 χ^2/NDF:3316197.8/27

Out: 360.875+/-0.062 χ^2/NDF:3357464.2/32

All: 357.868+/-0.044 χ^2/NDF: 6678418.7/60

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -177.654+/-101.451 χ^2/NDF:18.6/13

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -109.957+/-104.654 χ^2/NDF:20.7/11

Left: -144.857+/-72.843 χ^2/NDF: 39.6/25

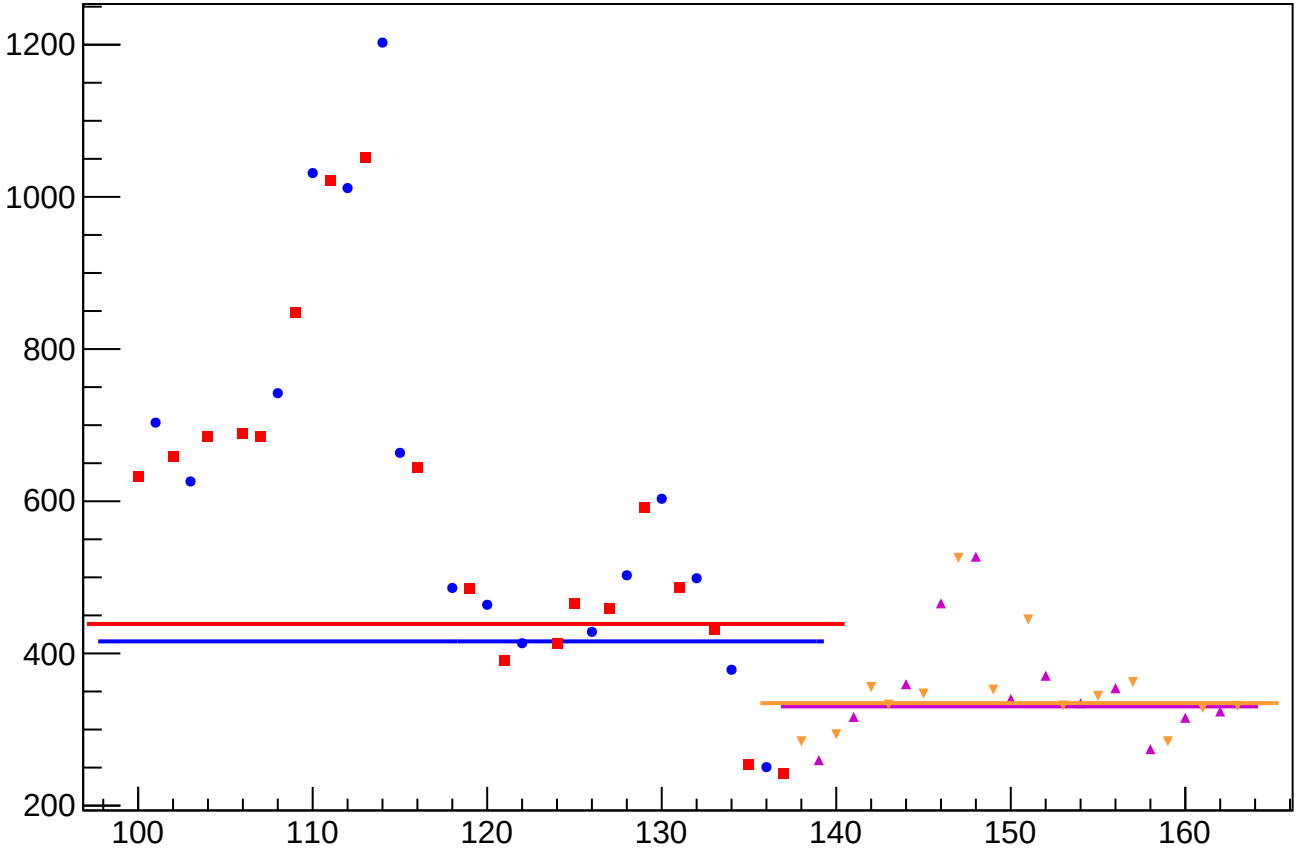
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -13.667+/-88.858 χ^2/NDF:34.5/27

Out: -80.427+/-87.733 χ^2/NDF:42.6/32

All: -47.473+/-62.430 χ^2/NDF: 77.4/60

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 334.719+/-0.072 χ^2/NDF:467865.2/13

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 330.397+/-0.074 χ^2/NDF:620962.8/11

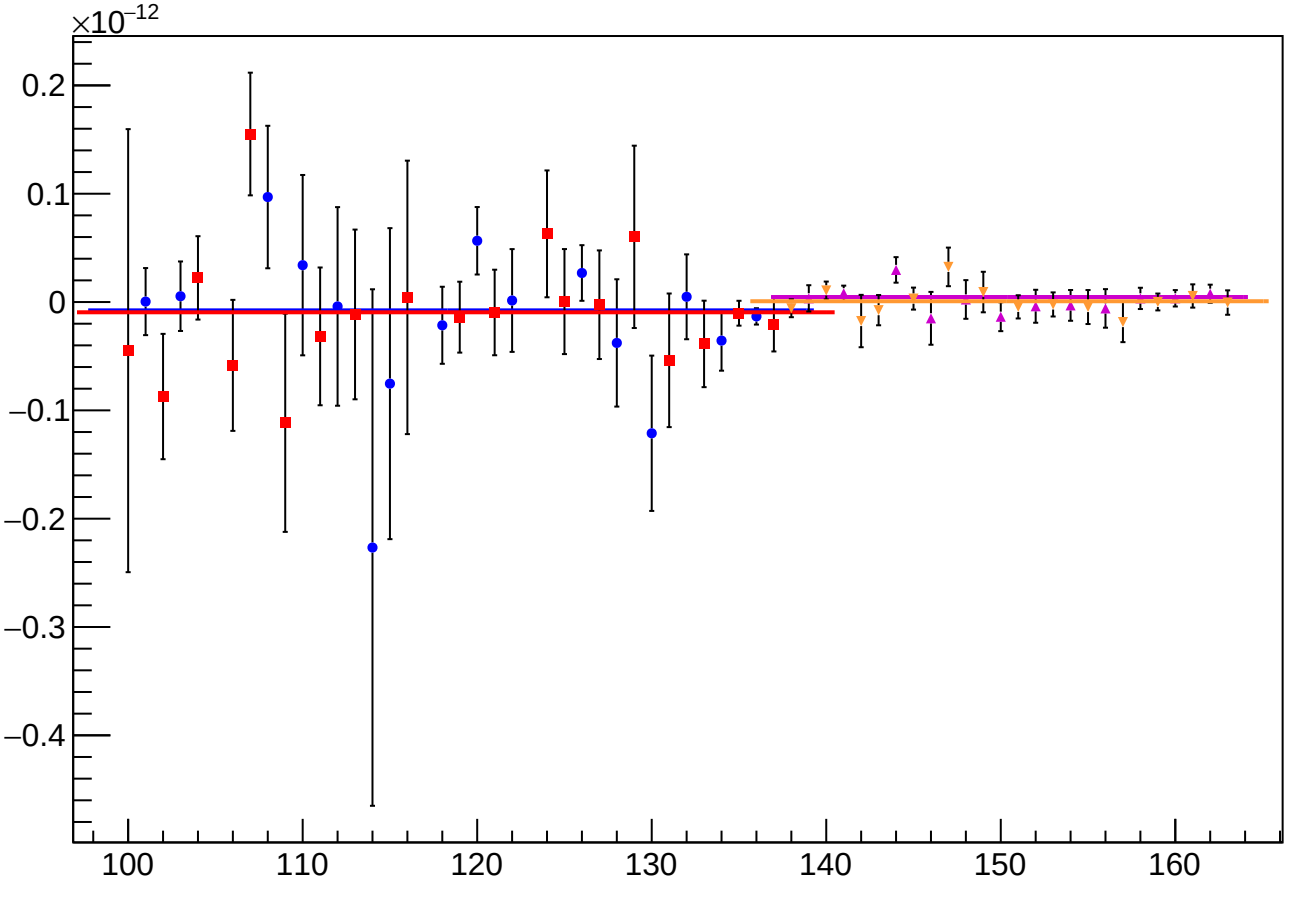
Left: 332.625+/-0.052 χ^2/NDF: 1090586.4/25

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 354.243+/-0.063 χ^2/NDF:3216975.1/27

Out: 360.956+/-0.062 χ^2/NDF:3233160.0/32

All: 357.642+/-0.044 χ^2/NDF: 6455915.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/11

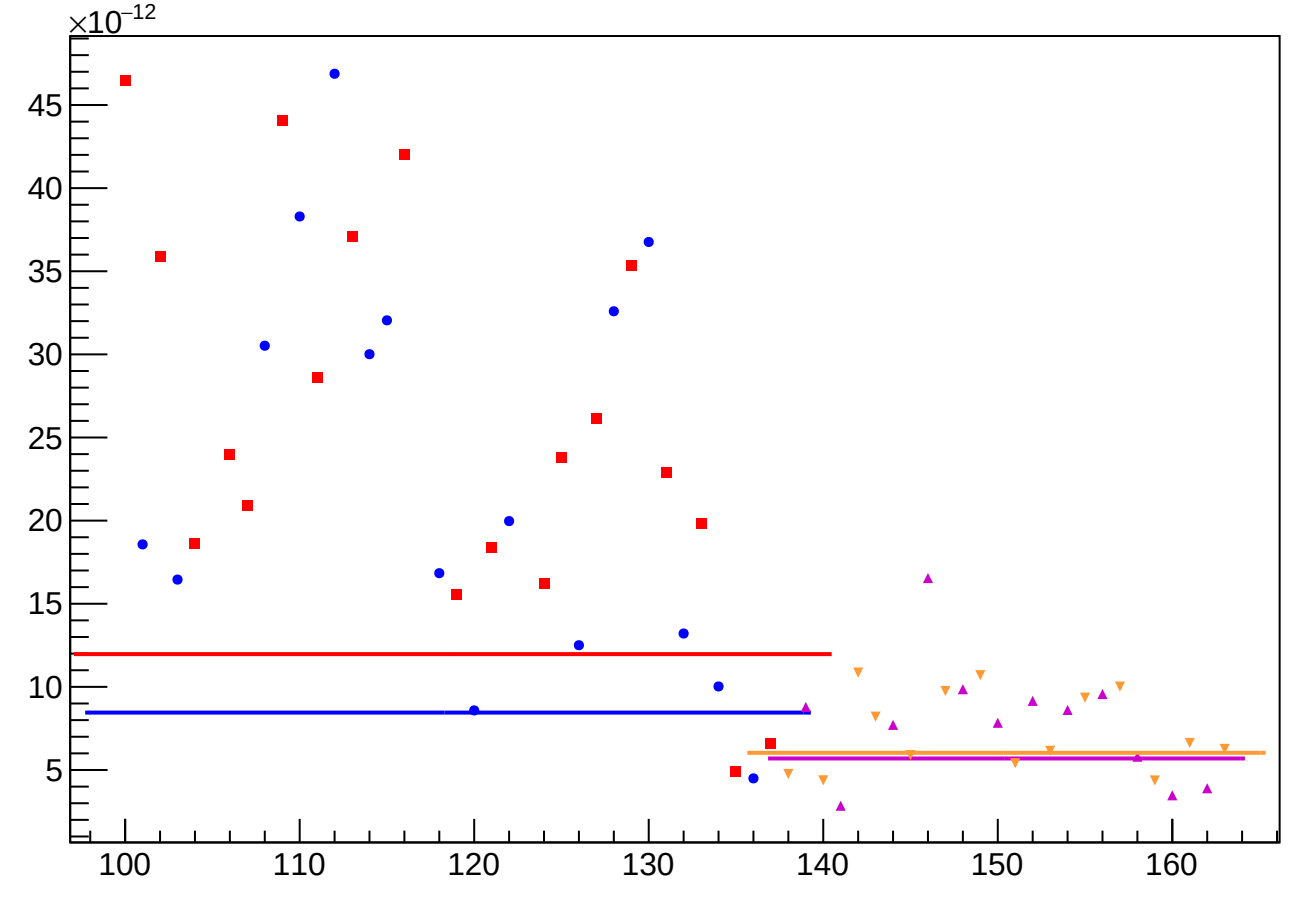
Left: 0.000+/-0.000 χ^2/NDF: 17.4/25

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.4/27

Out: -0.000+/-0.000 χ^2/NDF:25.8/32

All: 0.000+/-0.000 χ^2/NDF: 52.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 2756090.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:756072.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2760154.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1620984.5/11

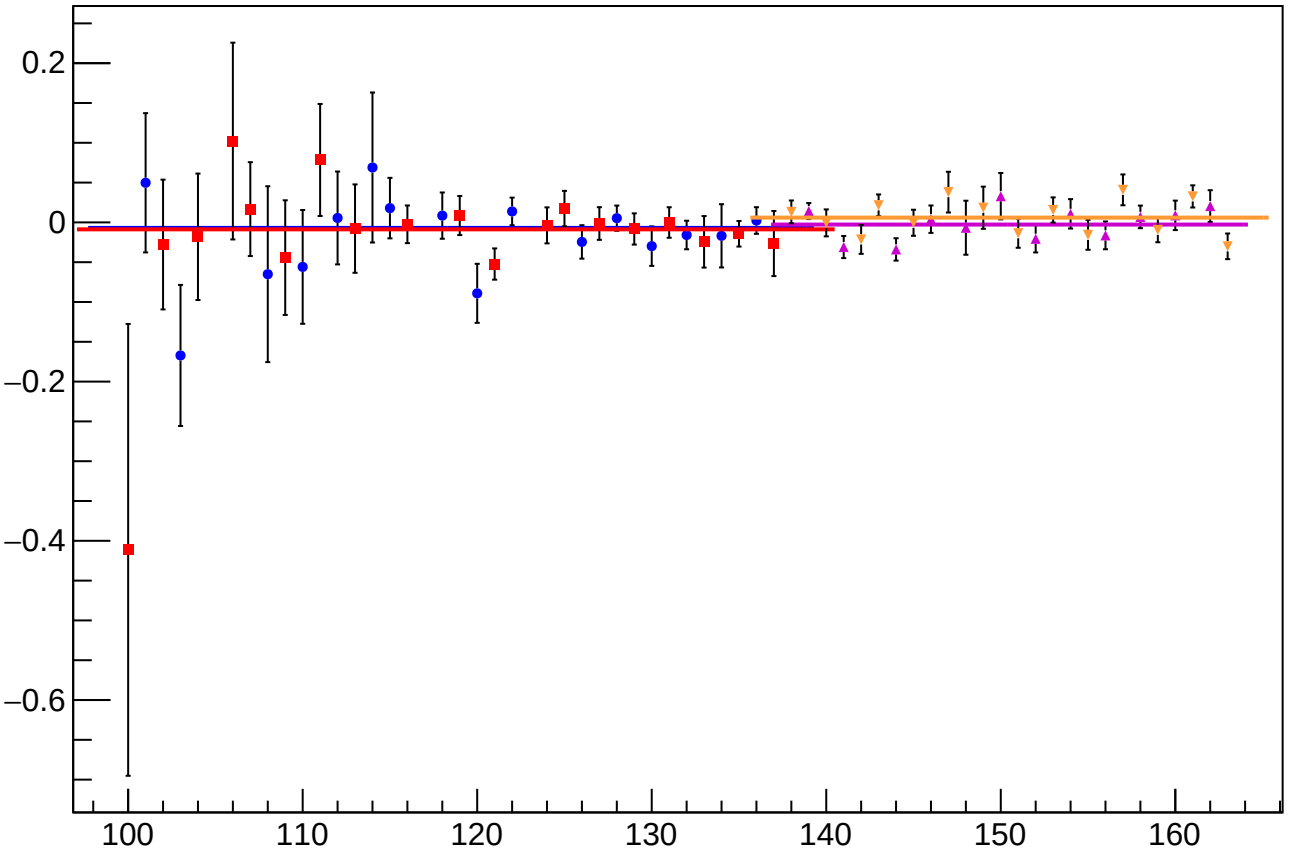
Left: 0.000+/-0.000 χ^2/NDF: 2389132.7/25

Right: 0.000+/-0.000 χ^2/NDF: 5753139.7/34

In: 0.000+/-0.000 χ^2/NDF:4694328.2/27

Out: 0.000+/-0.000 χ^2/NDF:4447637.9/32

All: 0.000+/-0.000 χ^2/NDF: 9171143.7/60



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.005 χ^2/NDF:18.0/11

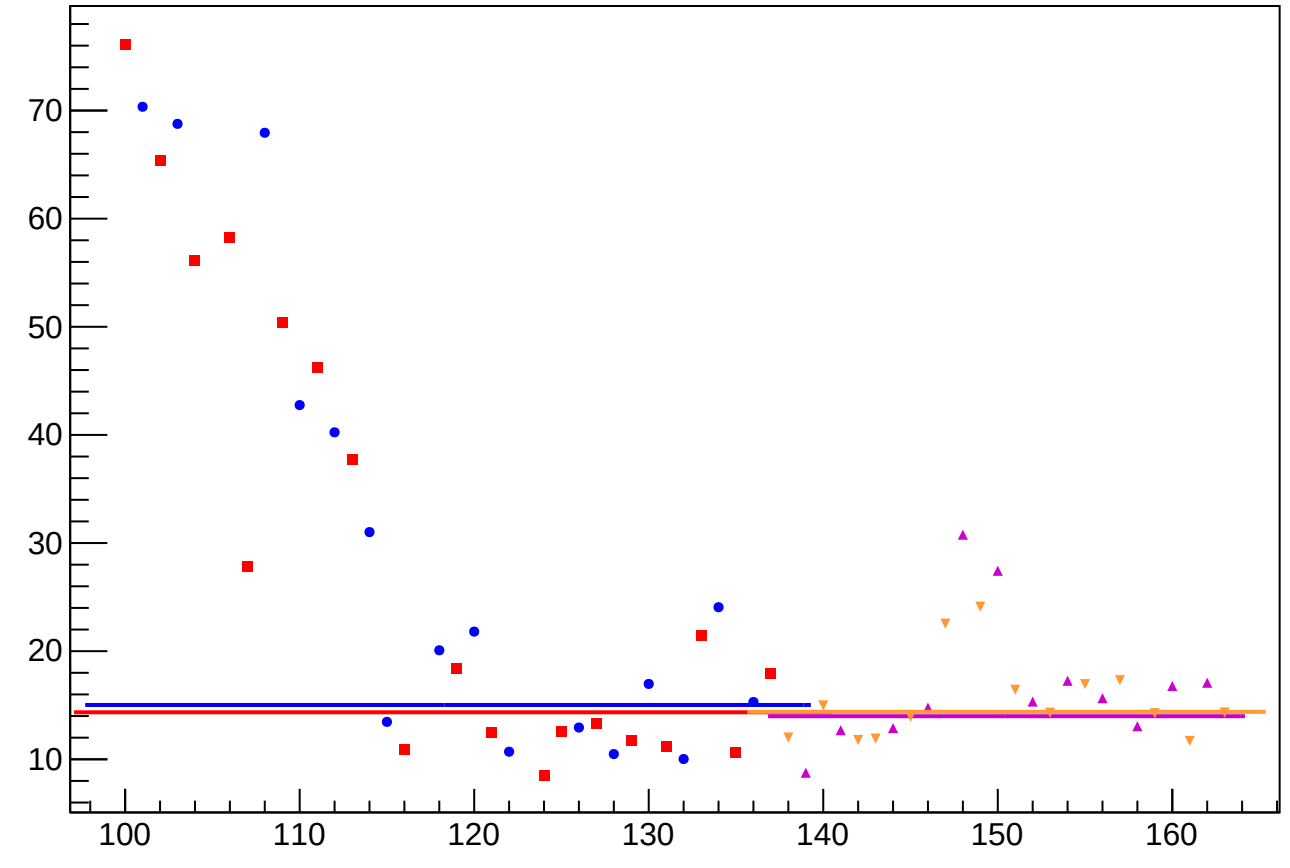
Left: 0.002+/-0.003 χ^2/NDF: 41.5/25

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:33.2/27

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.001+/-0.003 χ^2/NDF: 72.1/60



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687889.1/11

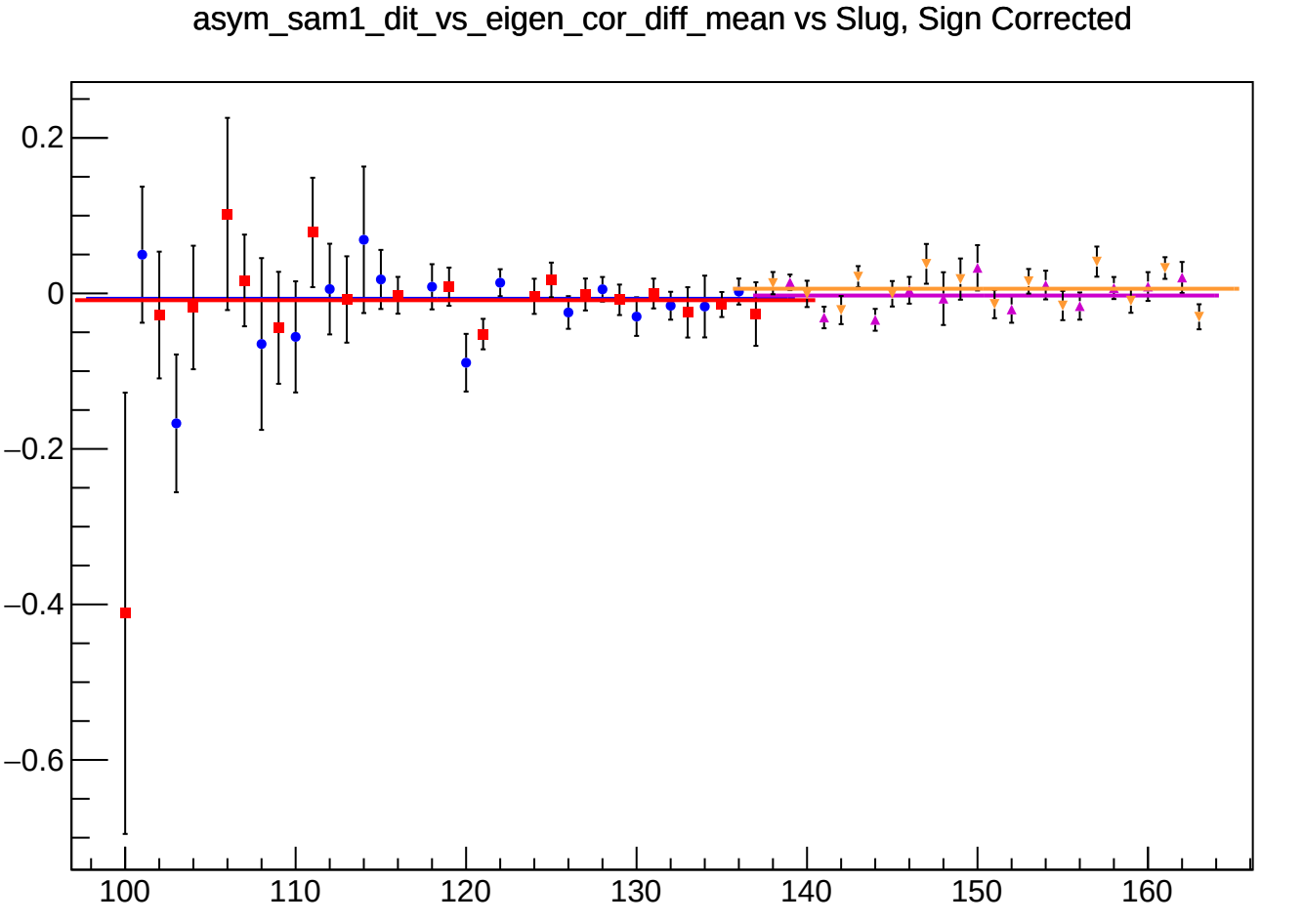
Left: 14.196+/-0.002 χ^2/NDF: 2517250.2/25

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.325+/-0.003 χ^2/NDF:5158270.5/27

Out: 14.376+/-0.003 χ^2/NDF:4450704.2/32

All: 14.352+/-0.002 χ^2/NDF: 9609159.9/60



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.005 χ^2/NDF:18.0/11

Left: 0.002+/-0.003 χ^2/NDF: 41.5/25

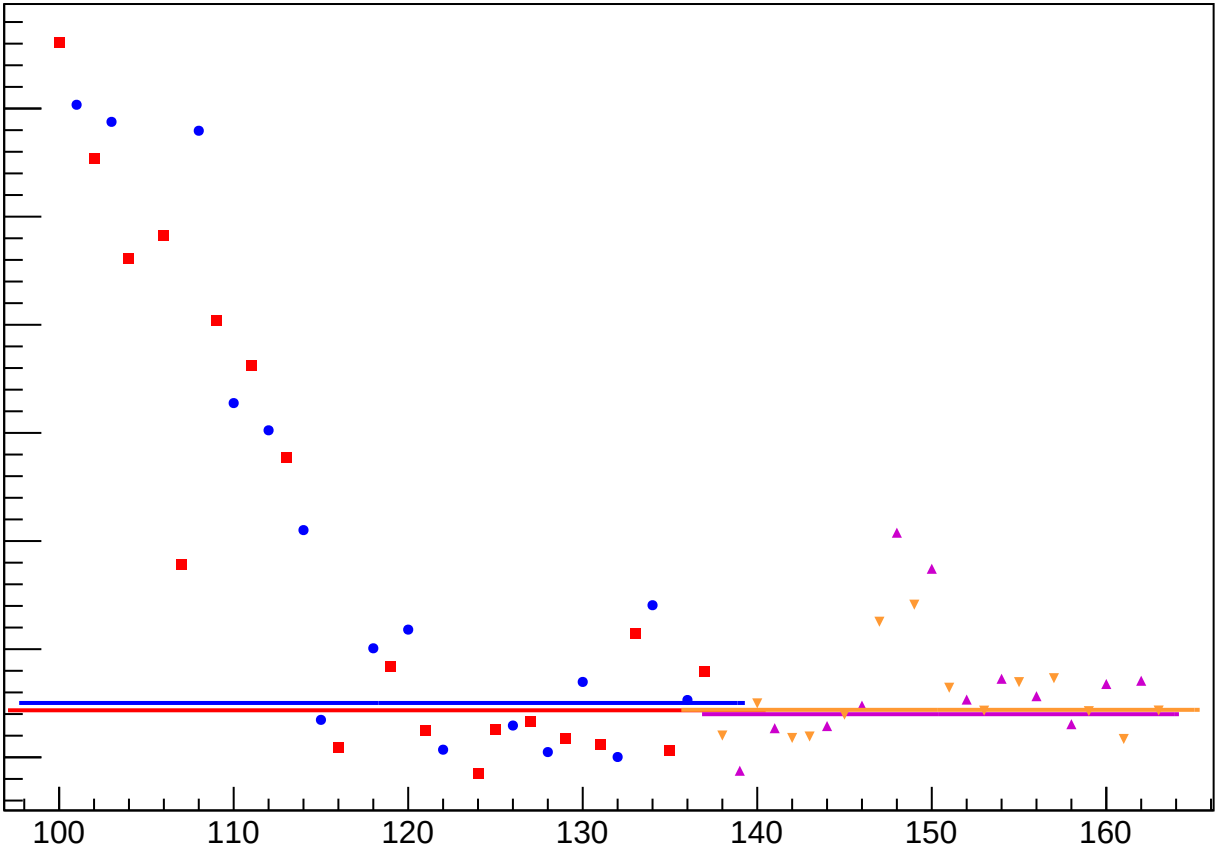
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:33.2/27

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.001+/-0.003 χ^2/NDF: 72.1/60

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.391+/-0.003 χ^2/NDF:821630.9/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687889.1/11

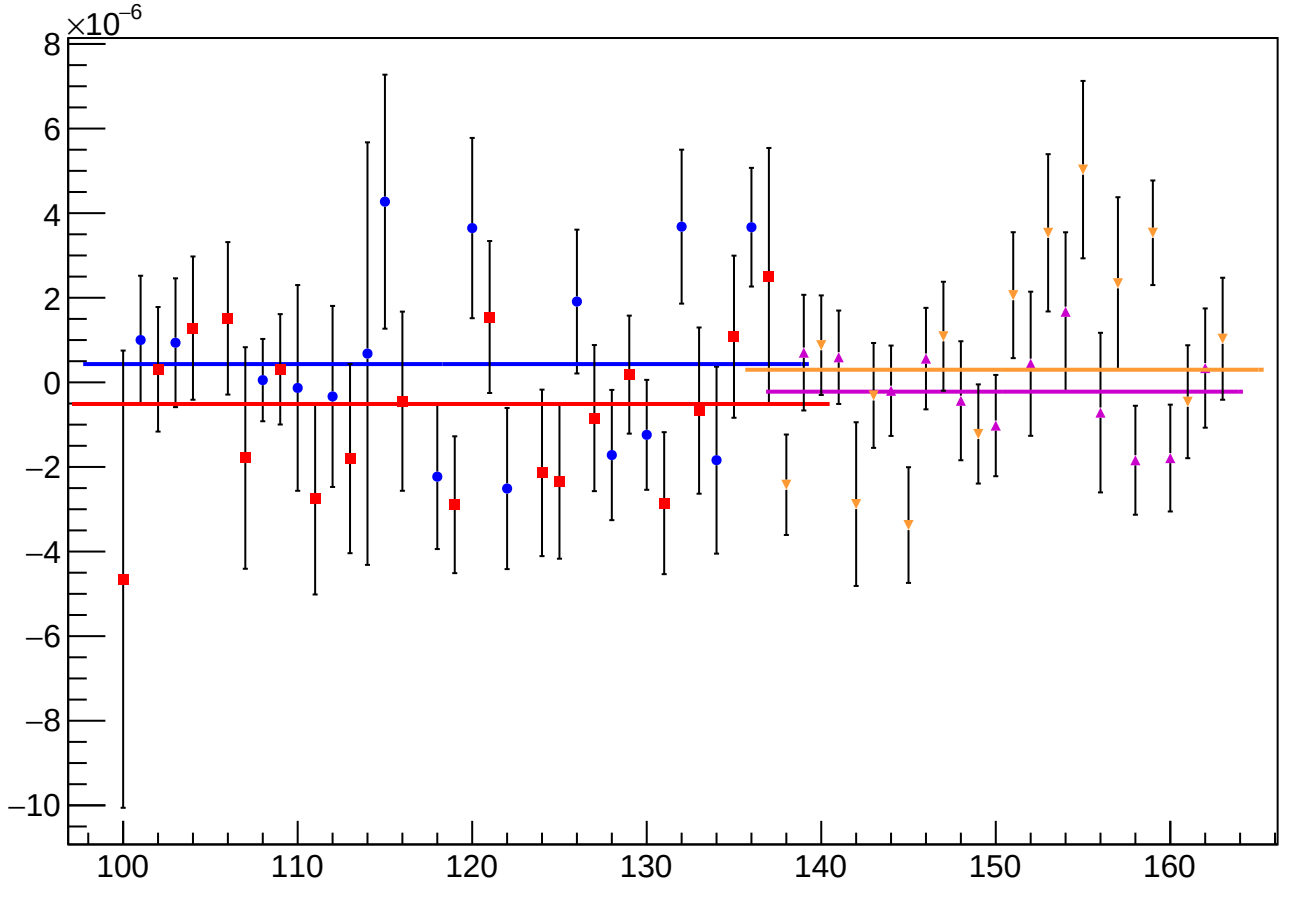
Left: 14.196+/-0.002 χ^2/NDF: 2517250.2/25

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.325+/-0.003 χ^2/NDF:5158270.5/27

Out: 14.376+/-0.003 χ^2/NDF:4450704.2/32

All: 14.352+/-0.002 χ^2/NDF: 9609159.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/11

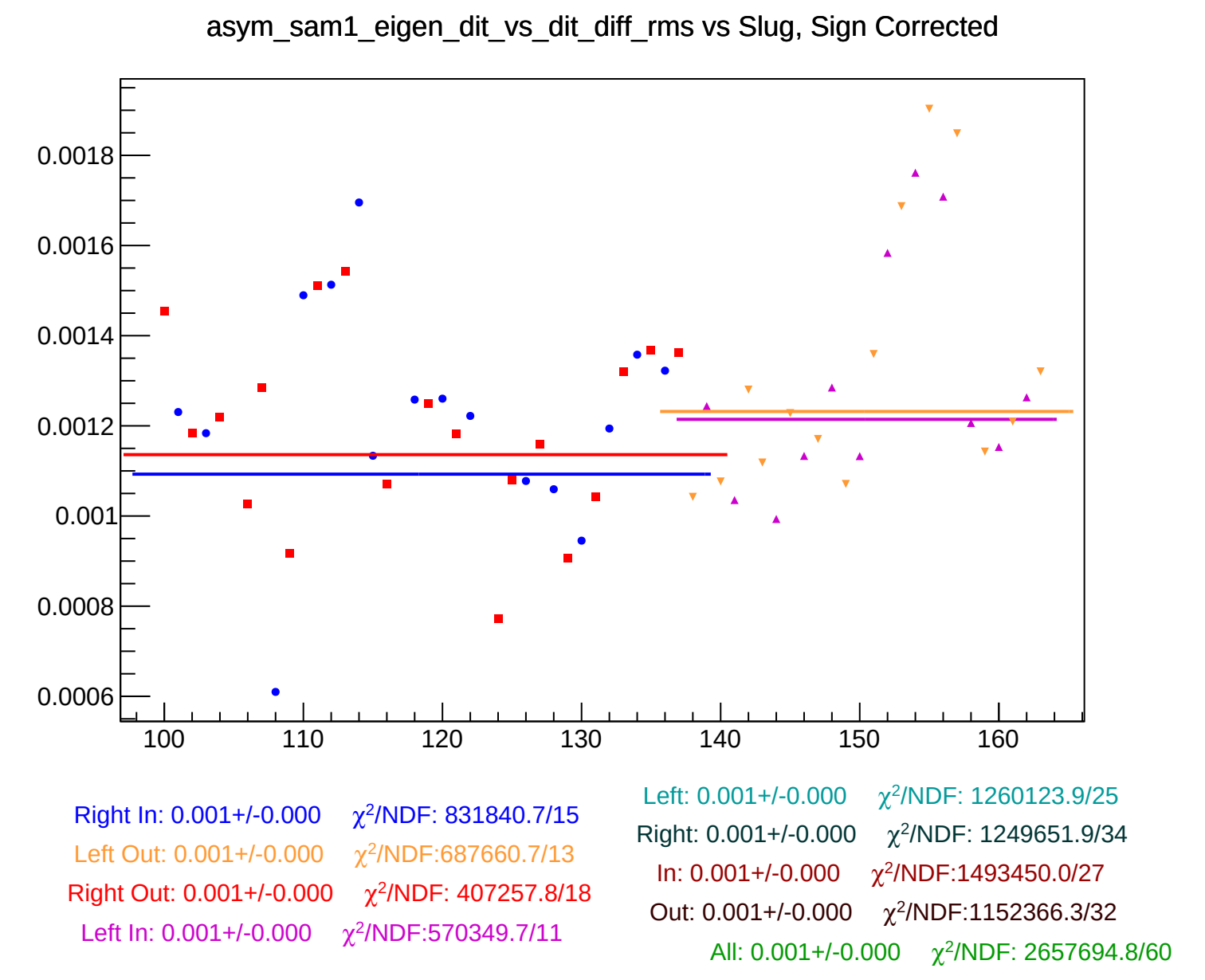
Left: 0.000+/-0.000 χ^2/NDF: 43.0/25

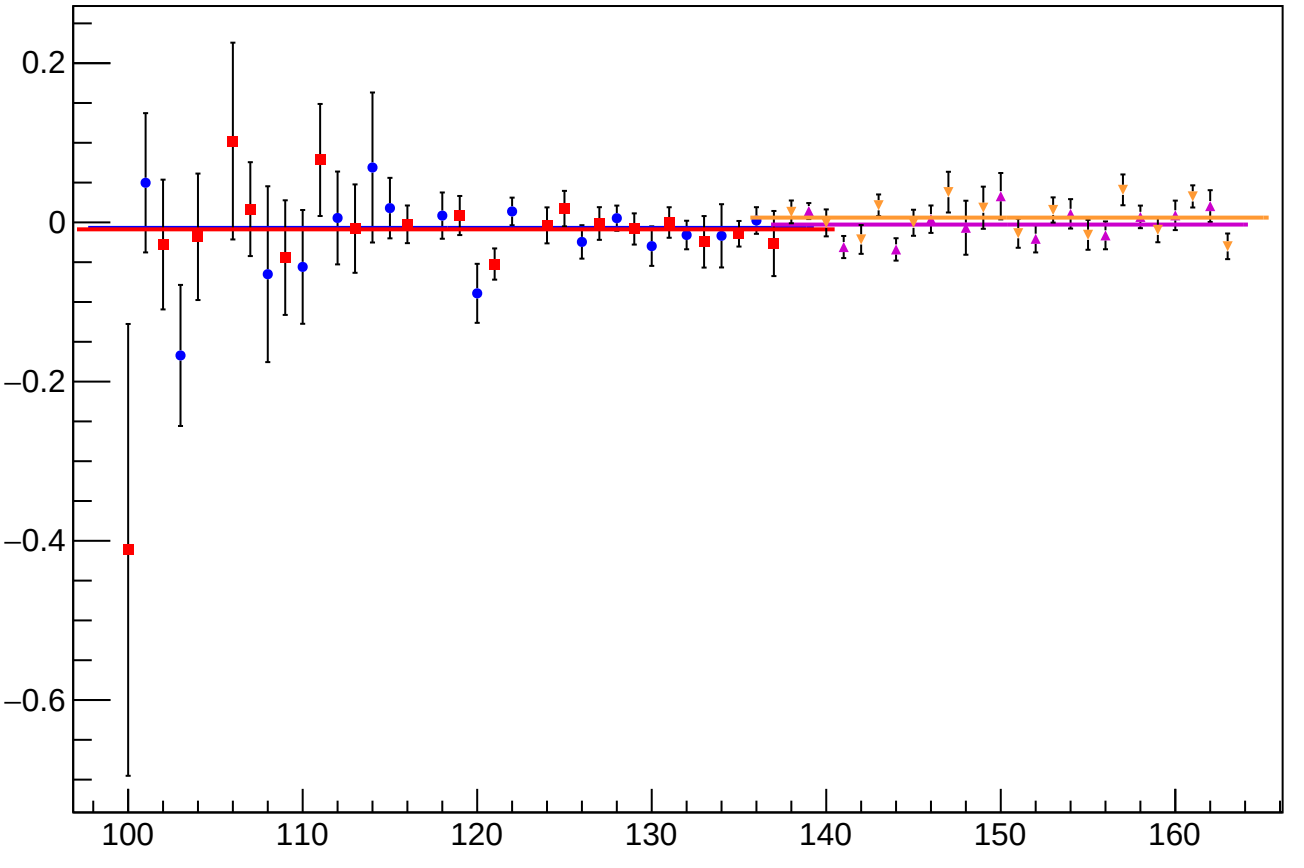
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.0/27

Out: -0.000+/-0.000 χ^2/NDF:52.0/32

All: 0.000+/-0.000 χ^2/NDF: 83.1/60


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:687660.7/13
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:570349.7/11
Left: 0.001+/-0.000 χ²/NDF: 1260123.9/25
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1493450.0/27
Out: 0.001+/-0.000 χ²/NDF:1152366.3/32
All: 0.001+/-0.000 χ²/NDF: 2657694.8/60



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.005 χ^2/NDF:21.7/13

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.003+/-0.005 χ^2/NDF:18.0/11

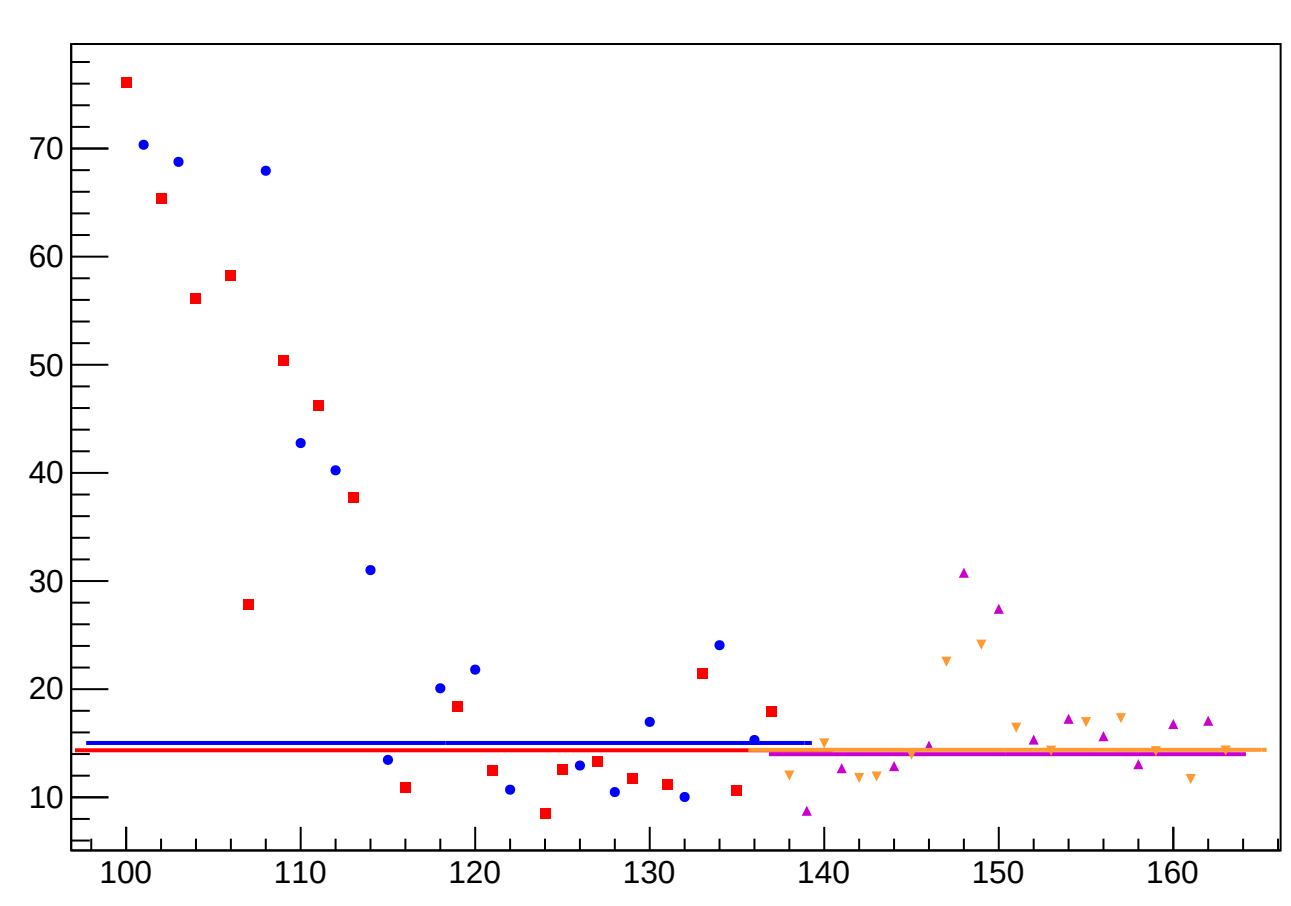
Left: 0.002+/-0.003 χ^2/NDF: 41.5/25

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.004+/-0.004 χ^2/NDF:33.2/27

Out: 0.001+/-0.004 χ^2/NDF:37.9/32

All: -0.001+/-0.003 χ^2/NDF: 72.1/60



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.390+/-0.003 χ^2/NDF:821680.1/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687925.3/11

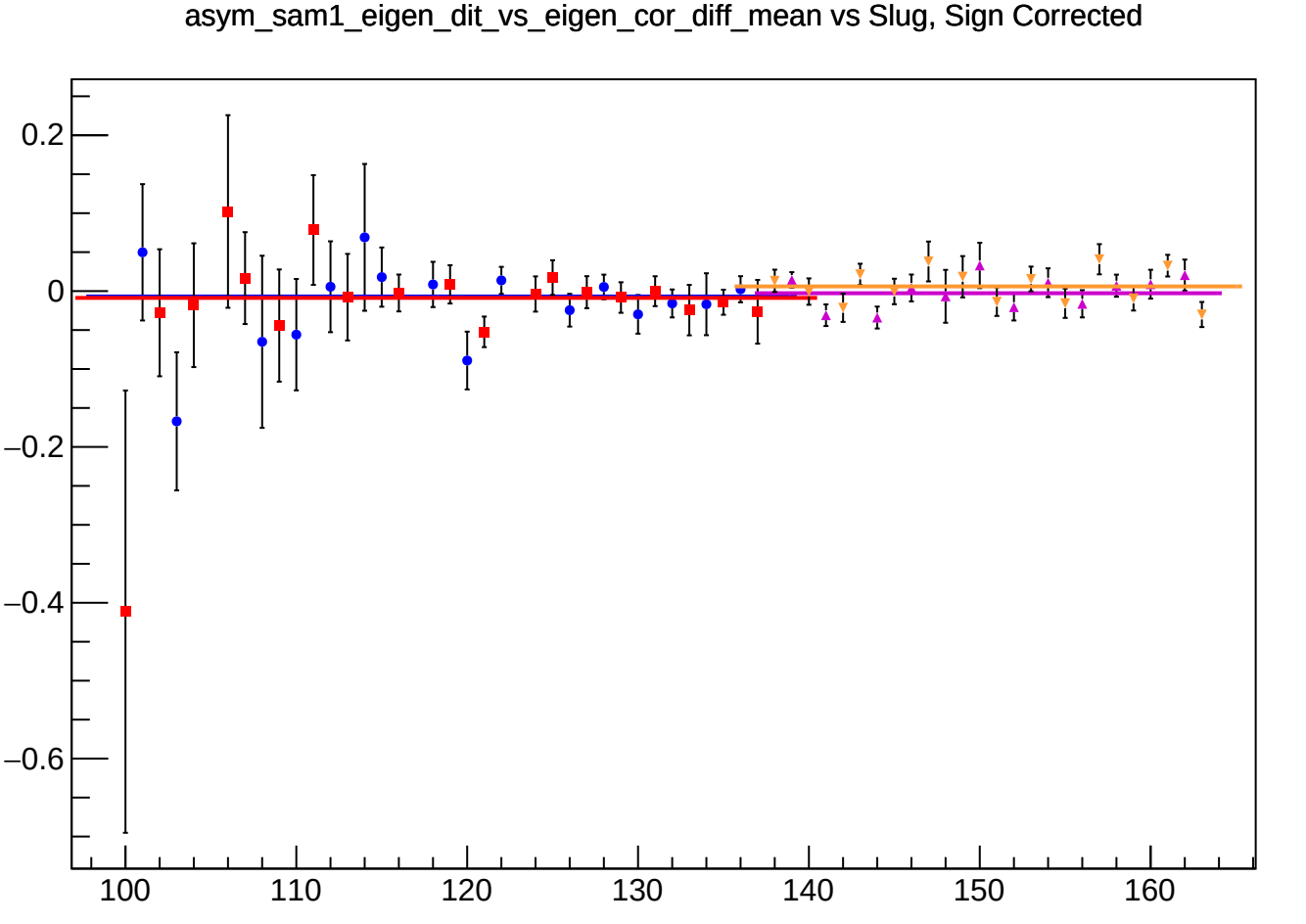
Left: 14.196+/-0.002 χ^2/NDF: 2517336.1/25

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

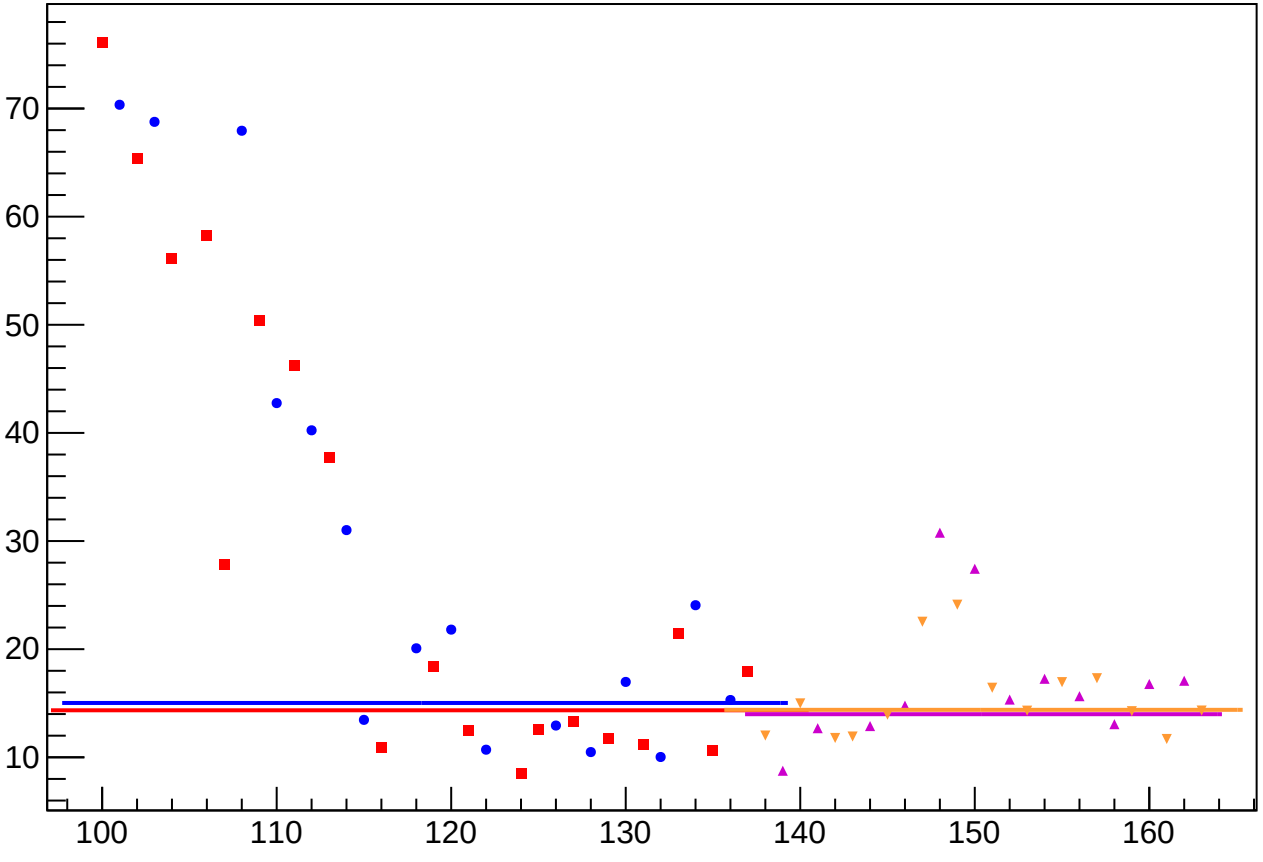
In: 14.325+/-0.003 χ^2/NDF:5158317.3/27

Out: 14.376+/-0.003 χ^2/NDF:4450743.7/32

All: 14.352+/-0.002 χ^2/NDF: 9609246.3/60


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.006+/-0.005 χ²/NDF:21.7/13
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.003+/-0.005 χ²/NDF:18.0/11
Left: 0.002+/-0.003 χ²/NDF: 41.5/25
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.004+/-0.004 χ²/NDF:33.2/27
Out: 0.001+/-0.004 χ²/NDF:37.9/32
All: -0.001+/-0.003 χ²/NDF: 72.1/60

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.390+/-0.003 χ^2/NDF:821680.1/13

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.986+/-0.003 χ^2/NDF:1687925.3/11

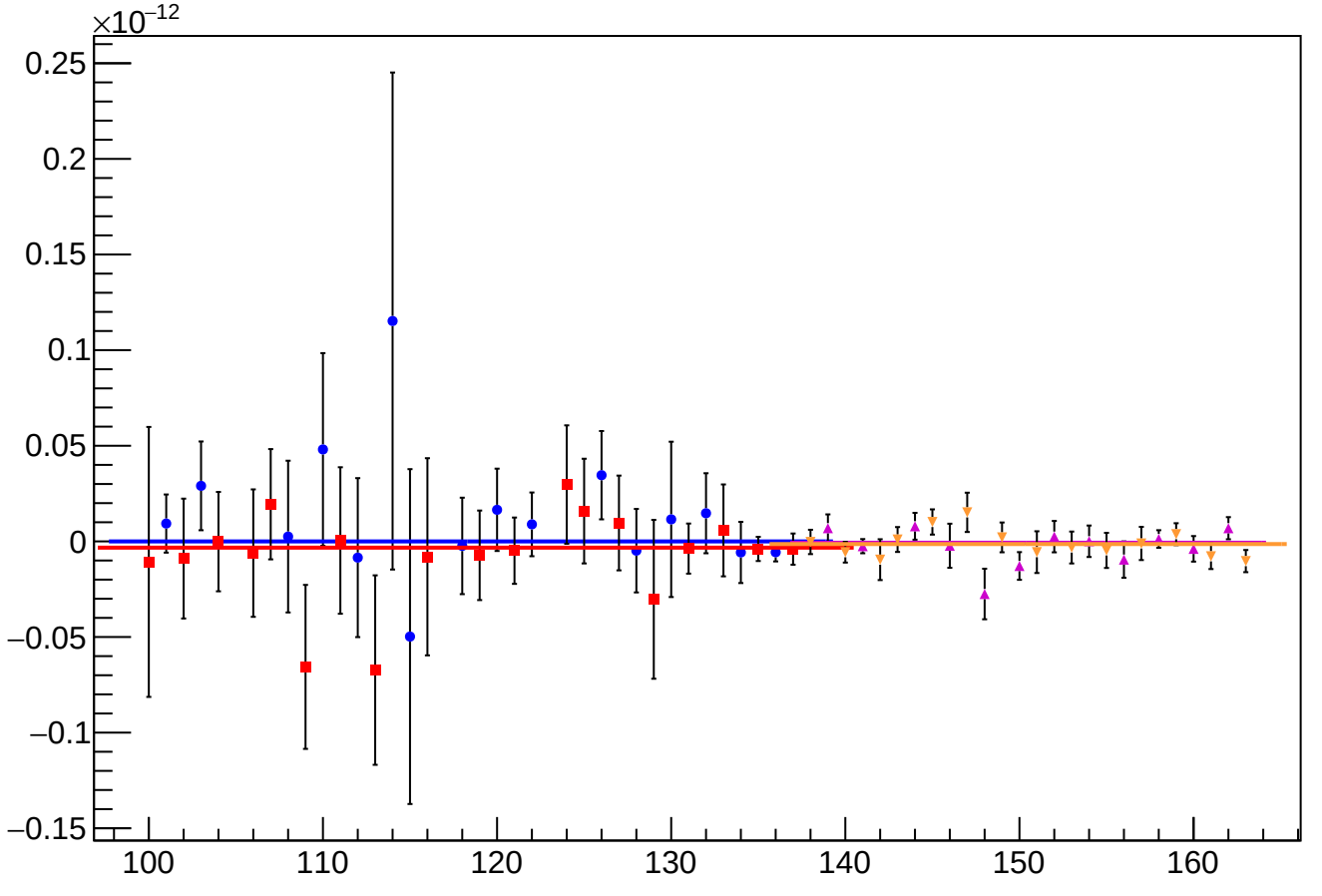
Left: 14.196+/-0.002 χ^2/NDF: 2517336.1/25

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.325+/-0.003 χ^2/NDF:5158317.3/27

Out: 14.376+/-0.003 χ^2/NDF:4450743.7/32

All: 14.352+/-0.002 χ^2/NDF: 9609246.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/11

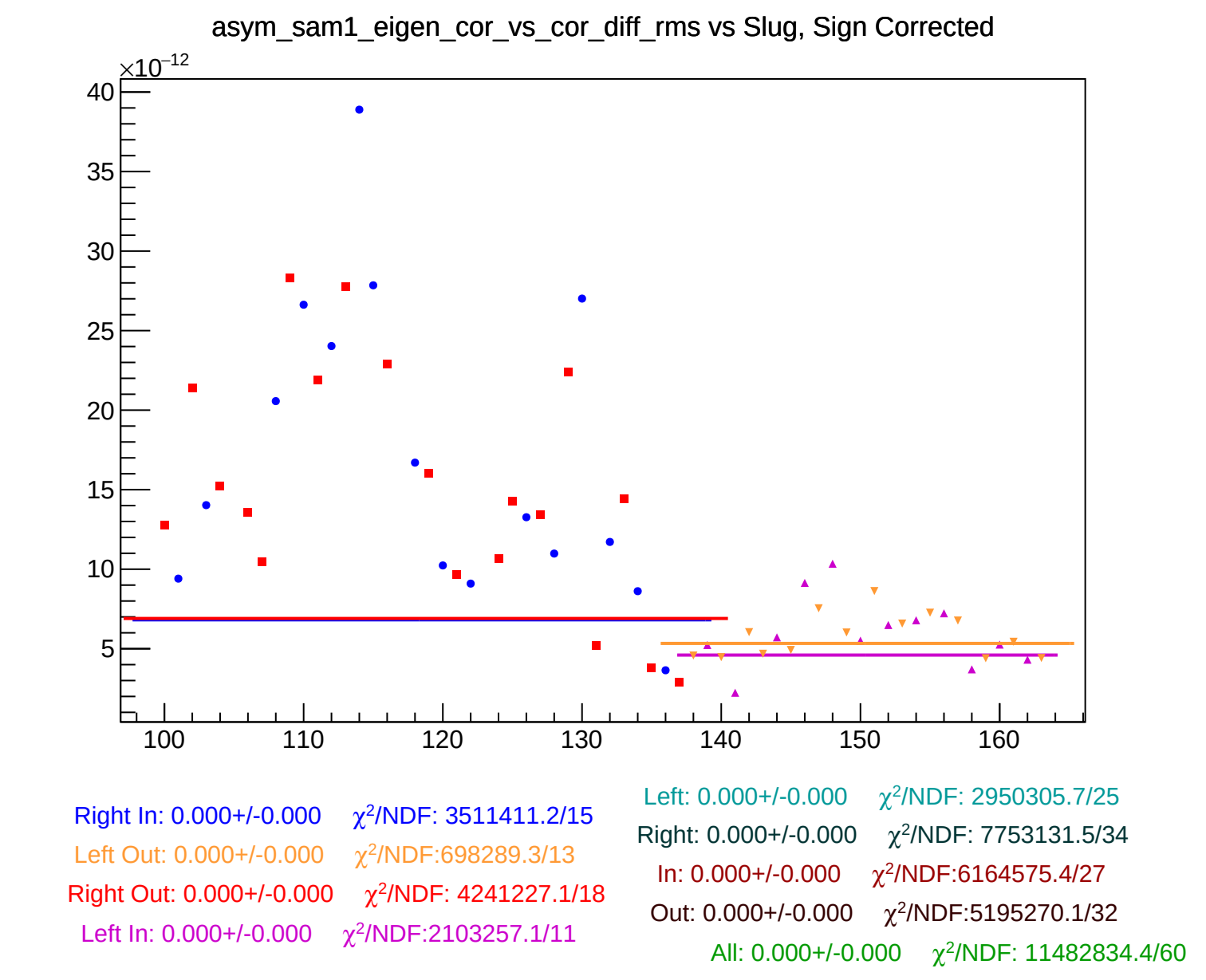
Left: -0.000+/-0.000 χ^2/NDF: 24.7/25

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

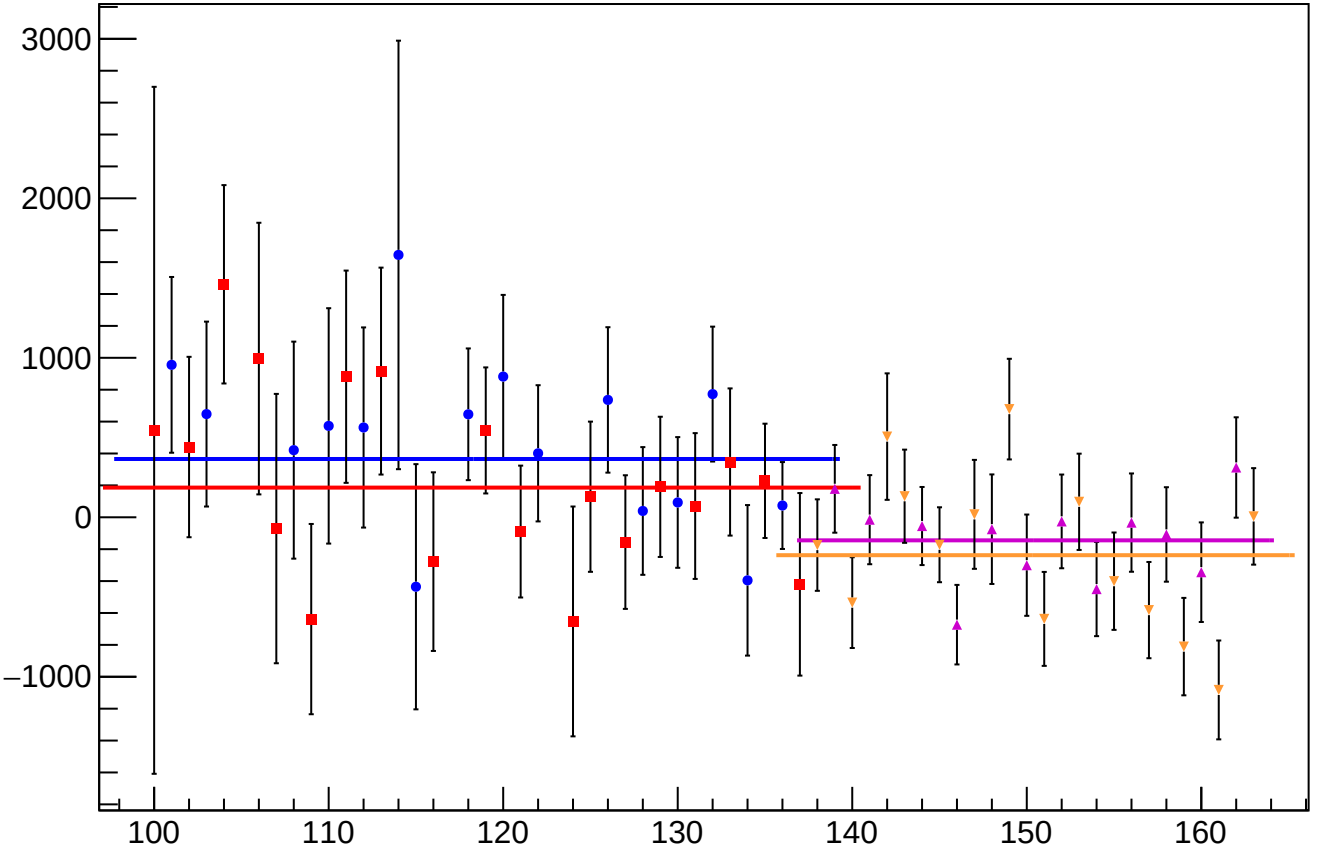
In: -0.000+/-0.000 χ^2/NDF:22.3/27

Out: -0.000+/-0.000 χ^2/NDF:18.8/32

All: -0.000+/-0.000 χ^2/NDF: 41.4/60


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:698289.3/13
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2103257.1/11
Left: 0.000+/-0.000 χ²/NDF: 2950305.7/25
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6164575.4/27
Out: 0.000+/-0.000 χ²/NDF:5195270.1/32
All: 0.000+/-0.000 χ²/NDF: 11482834.4/60

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.664+/-80.169 χ^2/NDF:31.6/13

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -144.569+/-83.757 χ^2/NDF:10.4/11

Left: -193.153+/-57.915 χ^2/NDF: 42.6/25

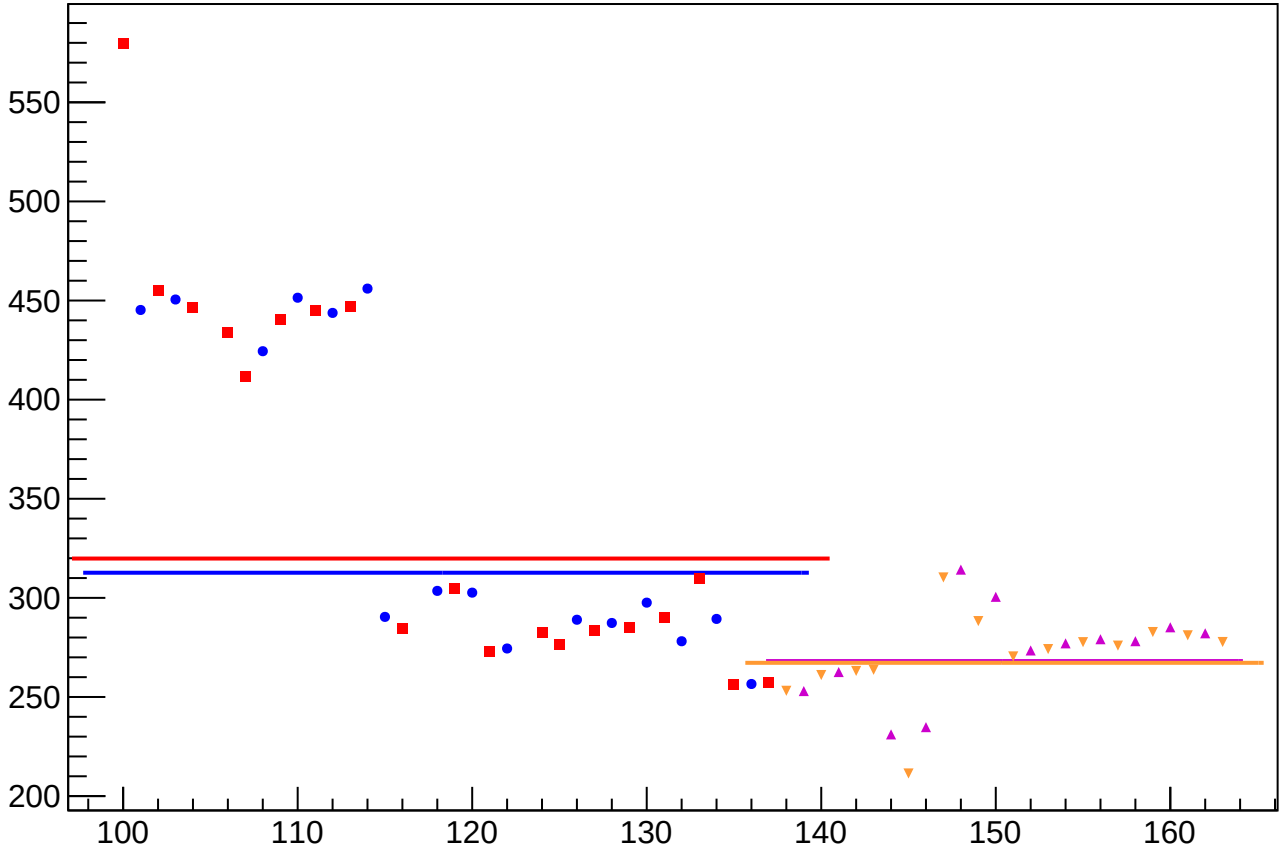
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 24.661+/-68.468 χ^2/NDF:34.2/27

Out: -107.162+/-66.694 χ^2/NDF:55.2/32

All: -42.981+/-47.775 χ^2/NDF: 91.3/60

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 268.123+/-0.059 χ^2/NDF:162412.6/11

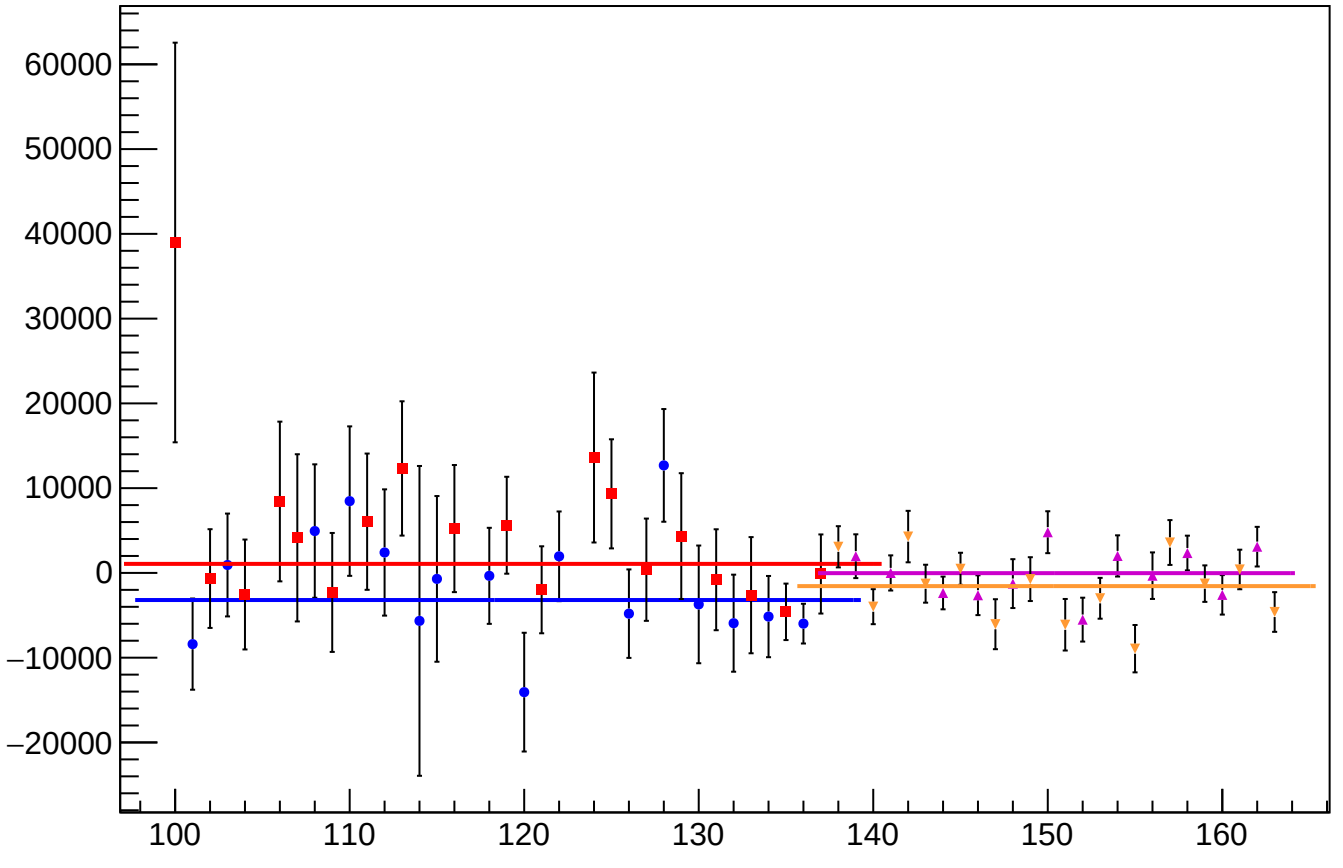
Left: 267.660+/-0.041 χ^2/NDF: 339352.0/25

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 282.906+/-0.048 χ^2/NDF:952415.1/27

Out: 283.434+/-0.047 χ^2/NDF:1139860.4/32

All: 283.177+/-0.034 χ^2/NDF: 2092336.7/60



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1557.231+/-647.012 χ^2/NDF:28.1/13

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -27.694+/-678.362 χ^2/NDF:16.8/11

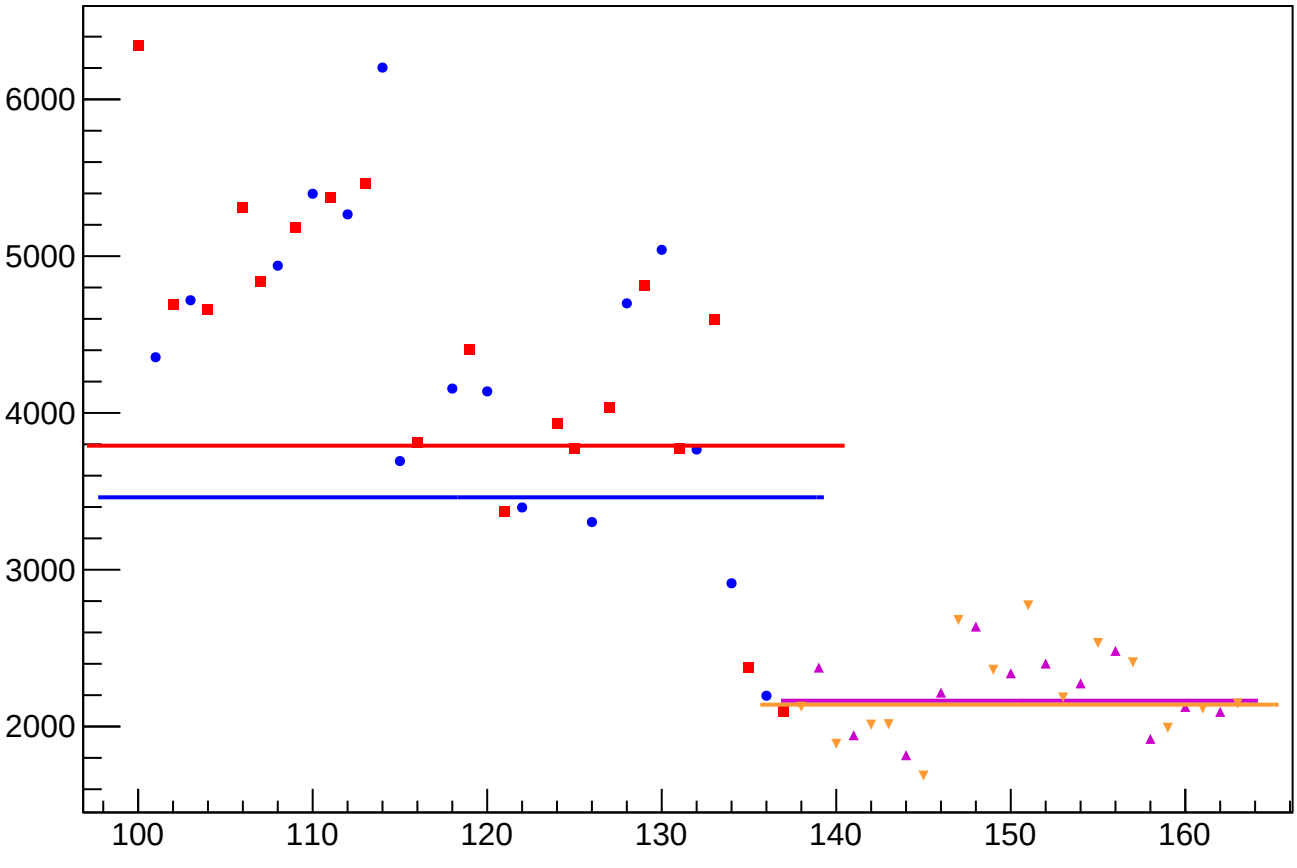
Left: -828.622+/-468.197 χ^2/NDF: 47.6/25

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -664.086+/-606.485 χ^2/NDF:37.3/27

Out: -1118.300+/-590.404 χ^2/NDF:45.3/32

All: -897.295+/-423.049 χ^2/NDF: 82.9/60



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392748.7/13

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2164.728+/-0.480 χ^2/NDF:244020.8/11

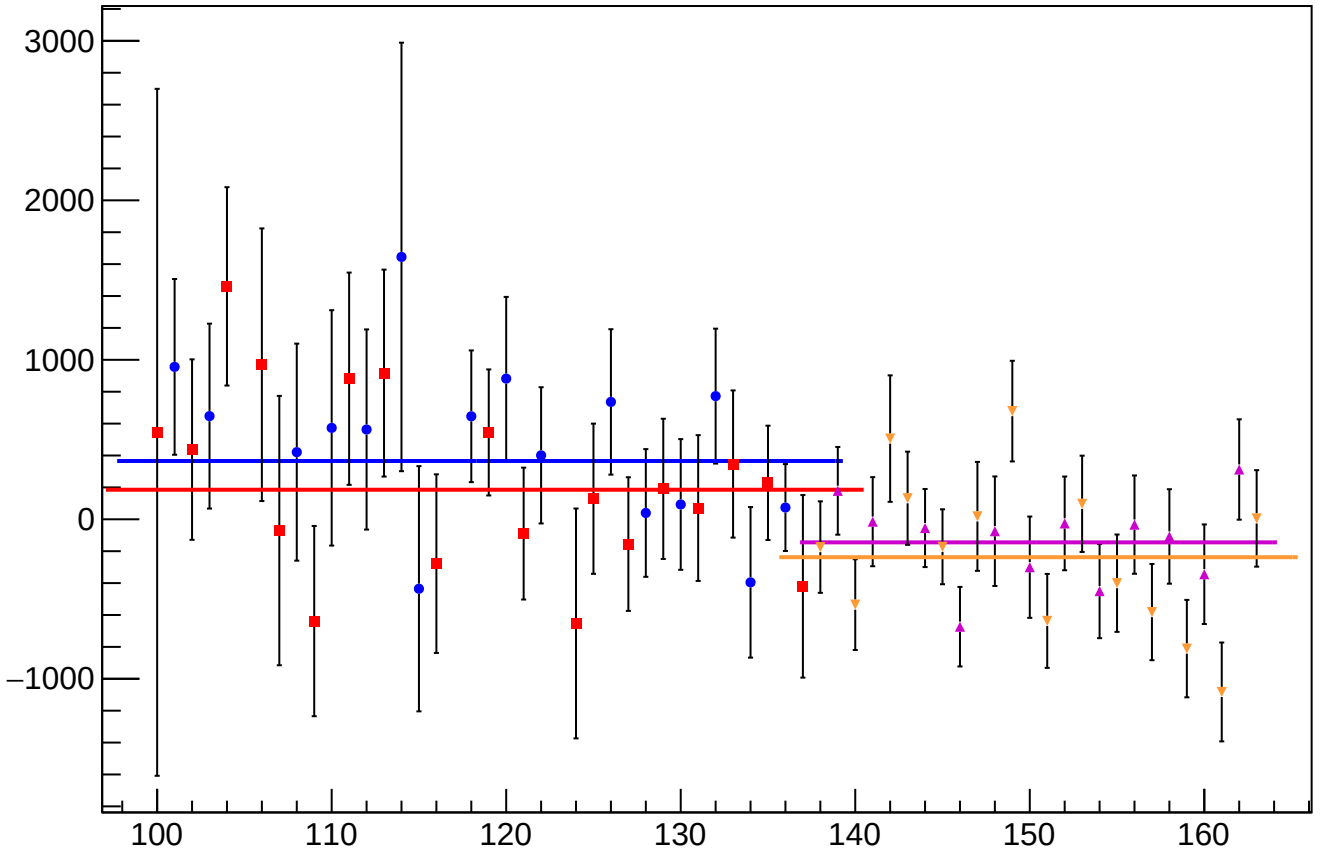
Left: 2151.521+/-0.331 χ^2/NDF: 638217.2/25

Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2425.061+/-0.429 χ^2/NDF:3021316.5/27

Out: 2415.884+/-0.417 χ^2/NDF:3729411.8/32

All: 2420.349+/-0.299 χ^2/NDF: 6750963.4/60



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -144.575+/-83.757 χ^2/NDF:10.4/11

Left: -193.150+/-57.915 χ^2/NDF: 42.6/25

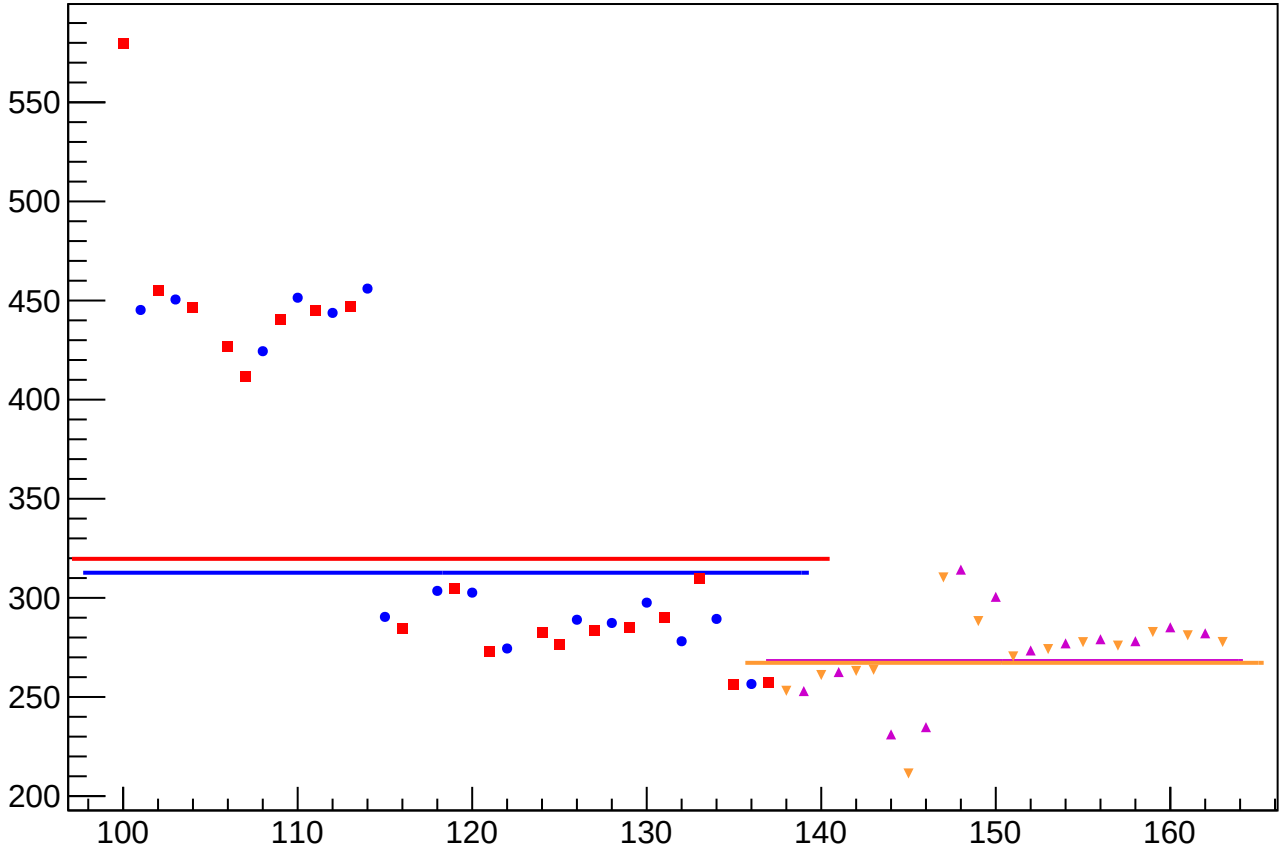
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 24.652+/-68.468 χ^2/NDF:34.2/27

Out: -107.422+/-66.696 χ^2/NDF:55.1/32

All: -43.117+/-47.775 χ^2/NDF: 91.2/60

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.123+/-0.059 χ^2/NDF:162412.6/11

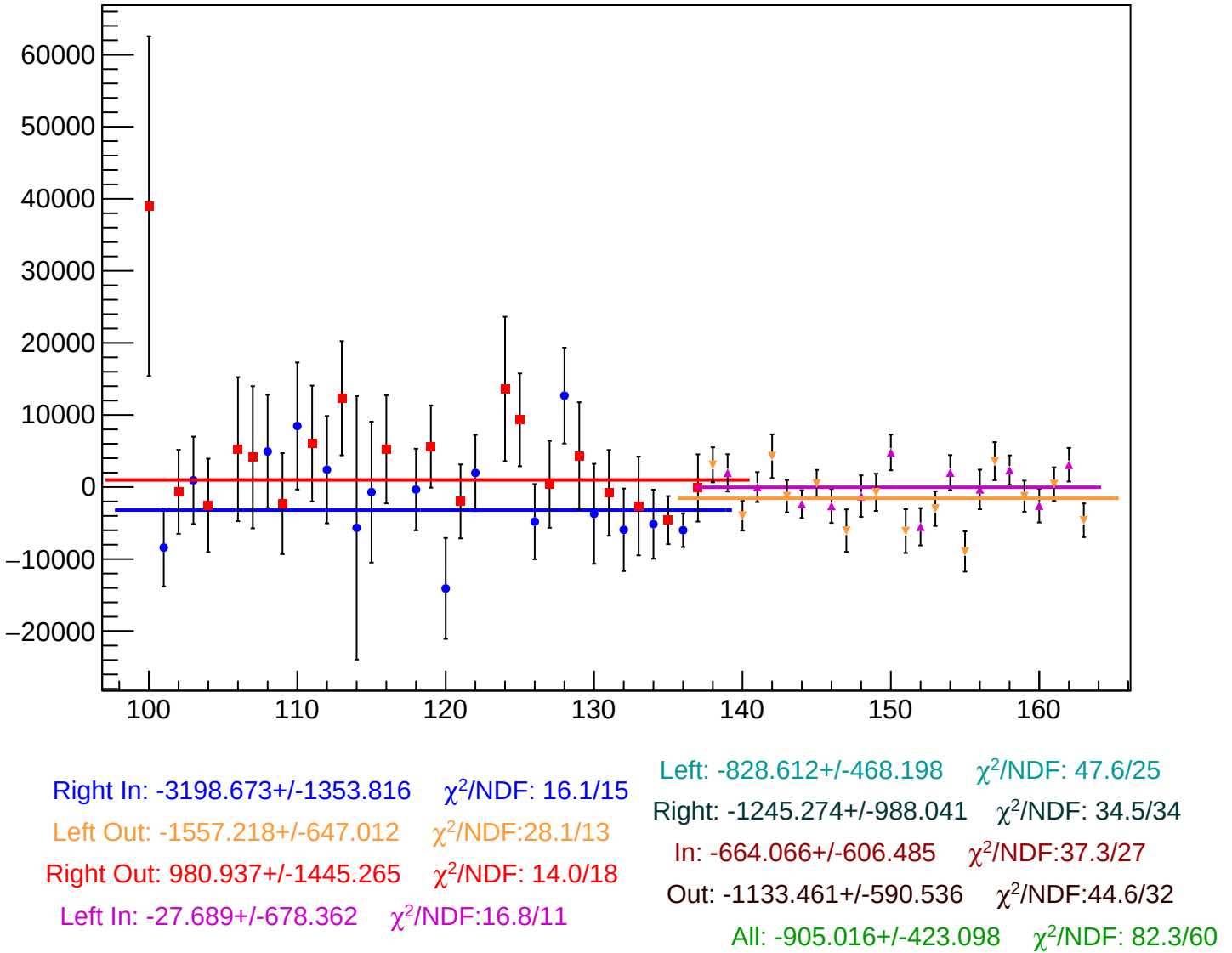
Left: 267.660+/-0.041 χ^2/NDF: 339352.1/25

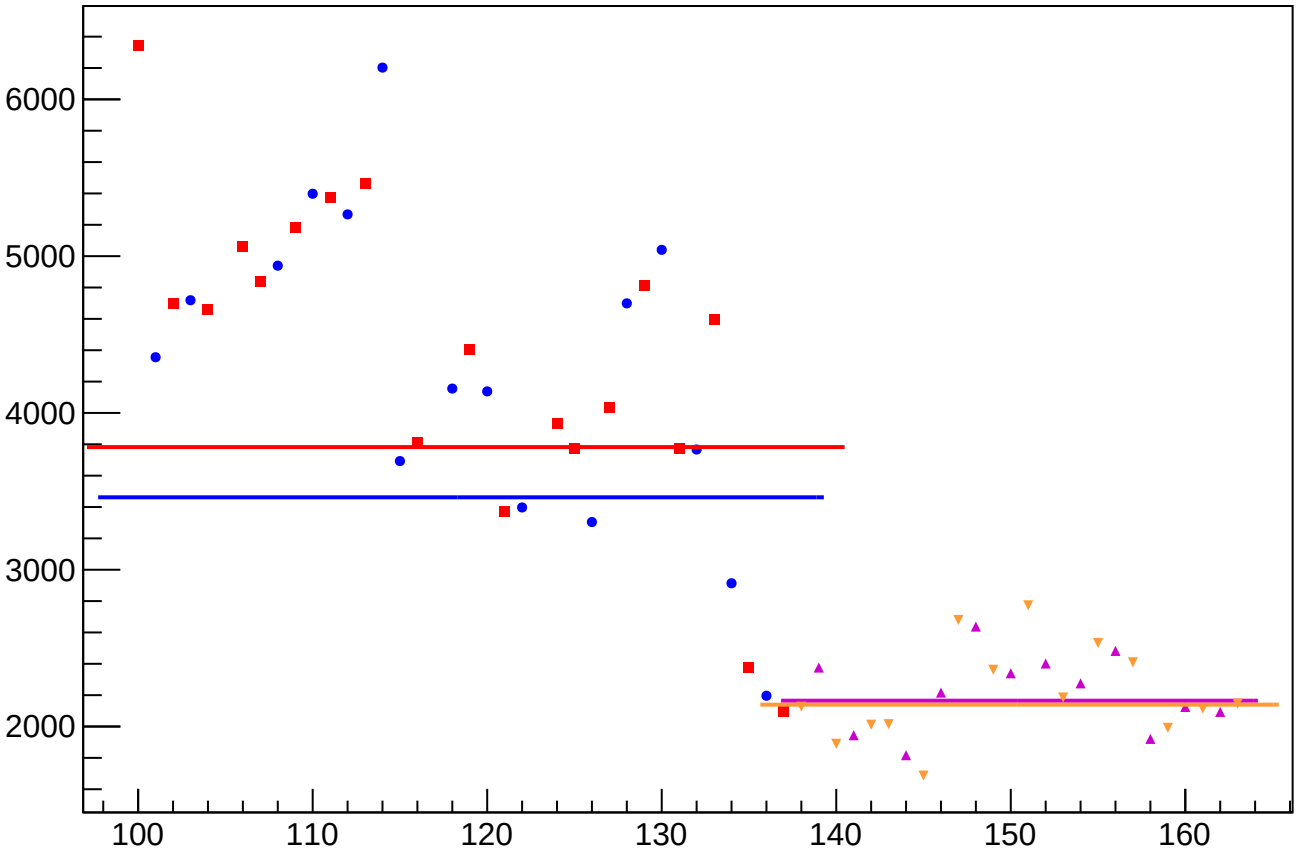
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.906+/-0.048 χ^2/NDF:952416.7/27

Out: 283.387+/-0.047 χ^2/NDF:1134171.4/32

All: 283.153+/-0.034 χ^2/NDF: 2086638.7/60


asym_sam2_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1557.218+/-647.012 χ²/NDF:28.1/13
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: -27.689+/-678.362 χ²/NDF:16.8/11
Left: -828.612+/-468.198 χ²/NDF: 47.6/25
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -664.066+/-606.485 χ²/NDF:37.3/27
Out: -1133.461+/-590.536 χ²/NDF:44.6/32
All: -905.016+/-423.098 χ²/NDF: 82.3/60



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2164.729+/-0.480 χ^2/NDF:244020.8/11

Left: 2151.522+/-0.331 χ^2/NDF: 638218.2/25

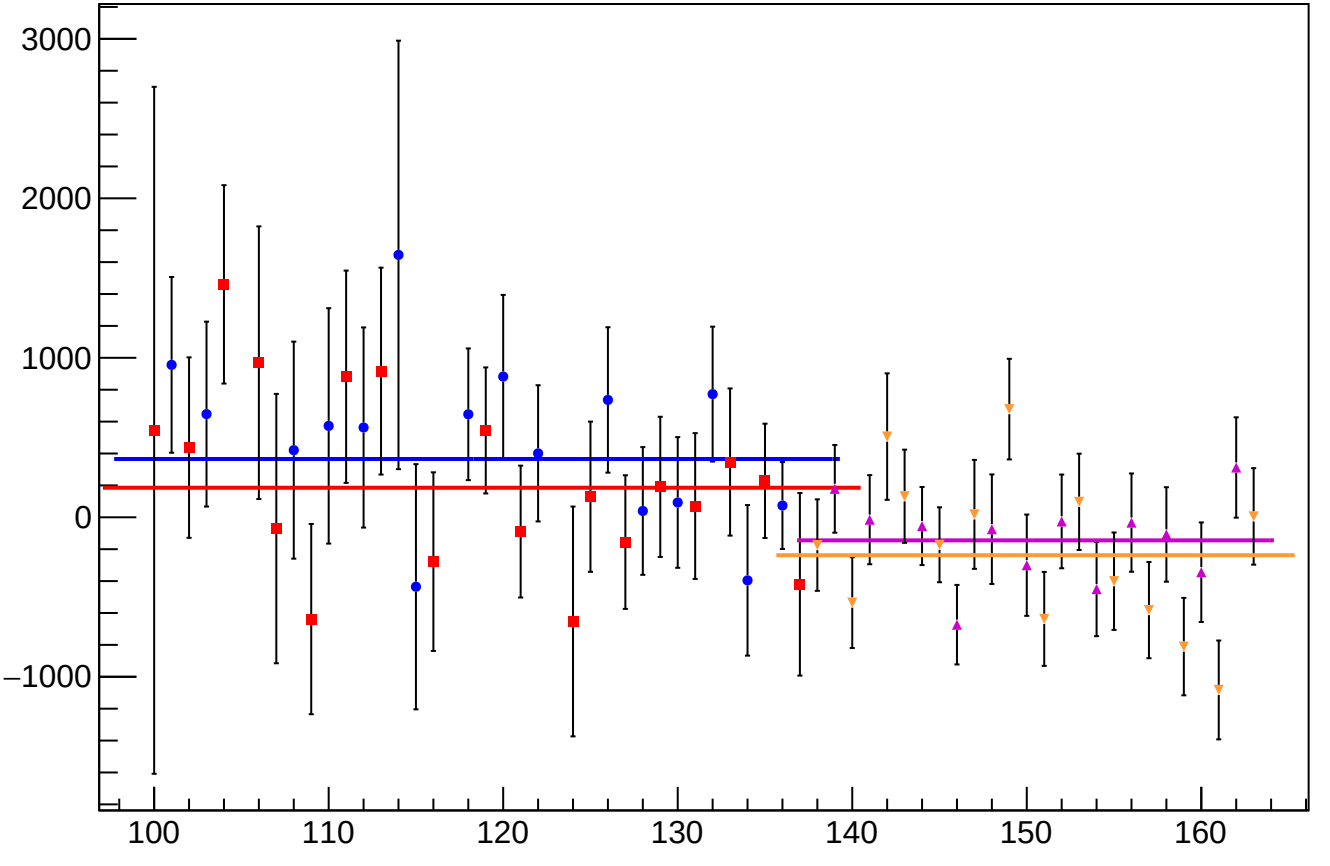
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2425.061+/-0.429 χ^2/NDF:3021335.4/27

Out: 2413.759+/-0.418 χ^2/NDF:3681397.7/32

All: 2419.259+/-0.299 χ^2/NDF: 6703089.7/60

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -237.653+/-80.169 χ^2/NDF:31.6/13

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -144.575+/-83.757 χ^2/NDF:10.4/11

Left: -193.150+/-57.915 χ^2/NDF: 42.6/25

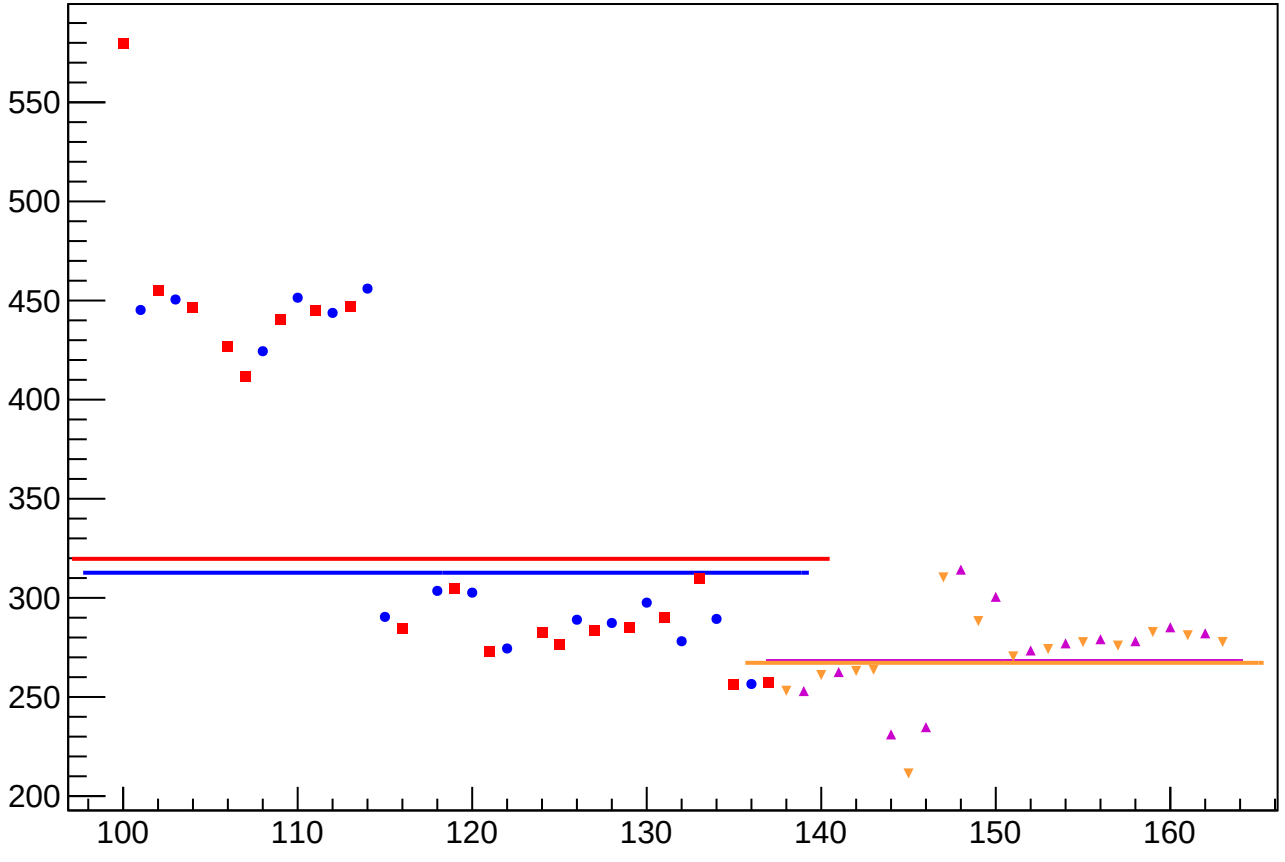
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 24.652+/-68.468 χ^2/NDF:34.2/27

Out: -107.422+/-66.696 χ^2/NDF:55.1/32

All: -43.117+/-47.775 χ^2/NDF: 91.2/60

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 267.236+/-0.057 χ^2/NDF:176822.4/13

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 268.123+/-0.059 χ^2/NDF:162412.6/11

Left: 267.660+/-0.041 χ^2/NDF: 339352.1/25

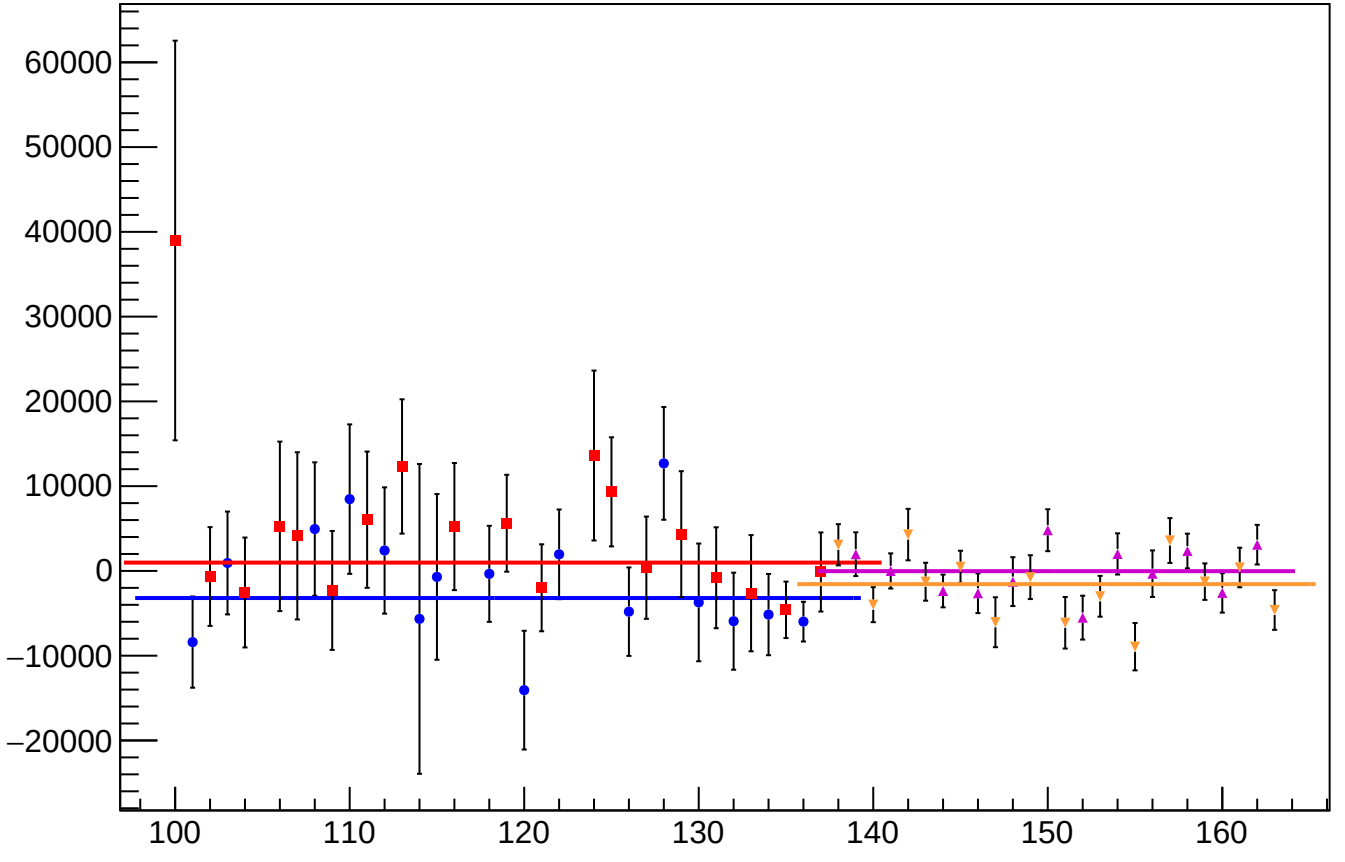
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 282.906+/-0.048 χ^2/NDF:952416.7/27

Out: 283.387+/-0.047 χ^2/NDF:1134171.4/32

All: 283.153+/-0.034 χ^2/NDF: 2086638.7/60

asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1557.218+/-647.012 χ^2/NDF:28.1/13

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -27.689+/-678.362 χ^2/NDF:16.8/11

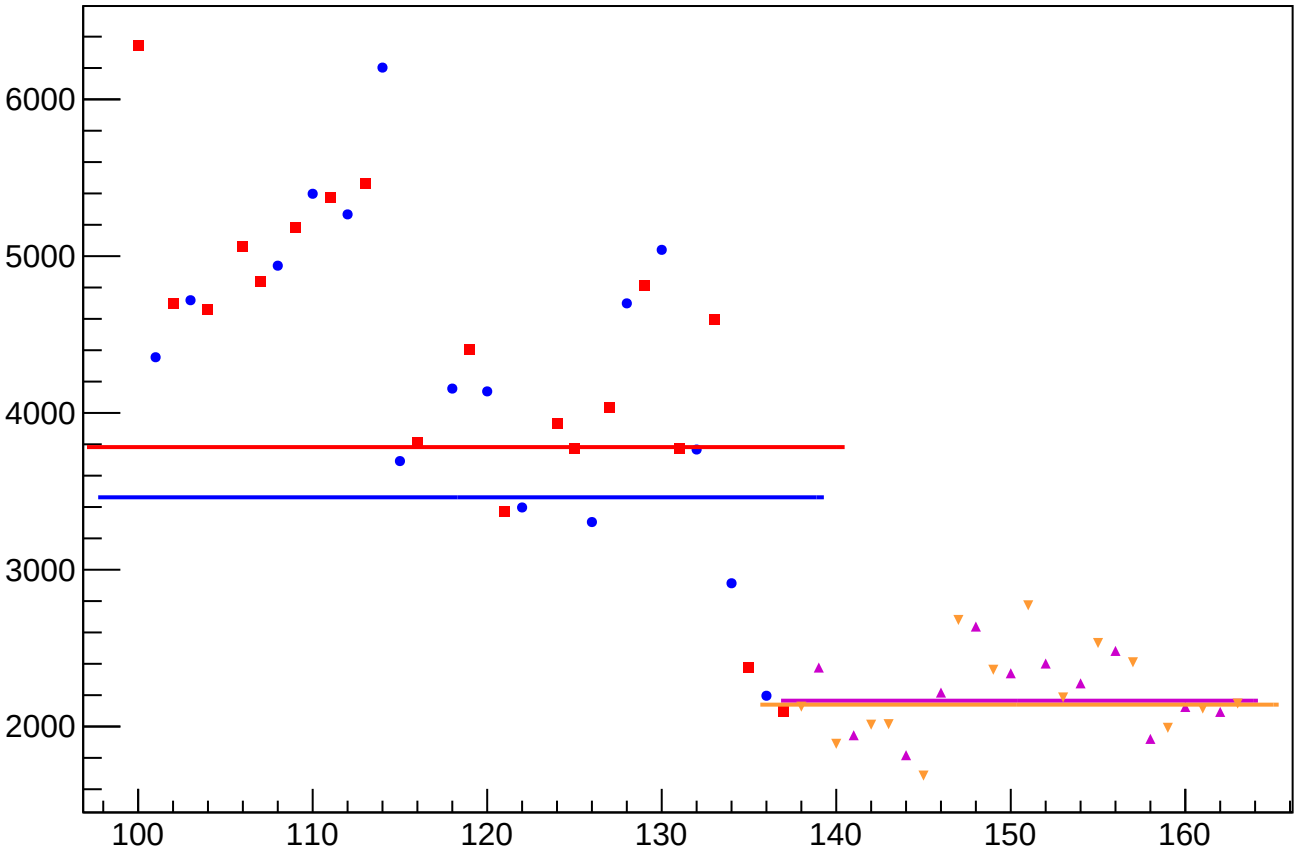
Left: -828.612+/-468.198 χ^2/NDF: 47.6/25

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -664.066+/-606.485 χ^2/NDF:37.3/27

Out: -1133.461+/-590.536 χ^2/NDF:44.6/32

All: -905.016+/-423.098 χ^2/NDF: 82.3/60



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2139.507+/-0.458 χ^2/NDF:392749.7/13

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2164.729+/-0.480 χ^2/NDF:244020.8/11

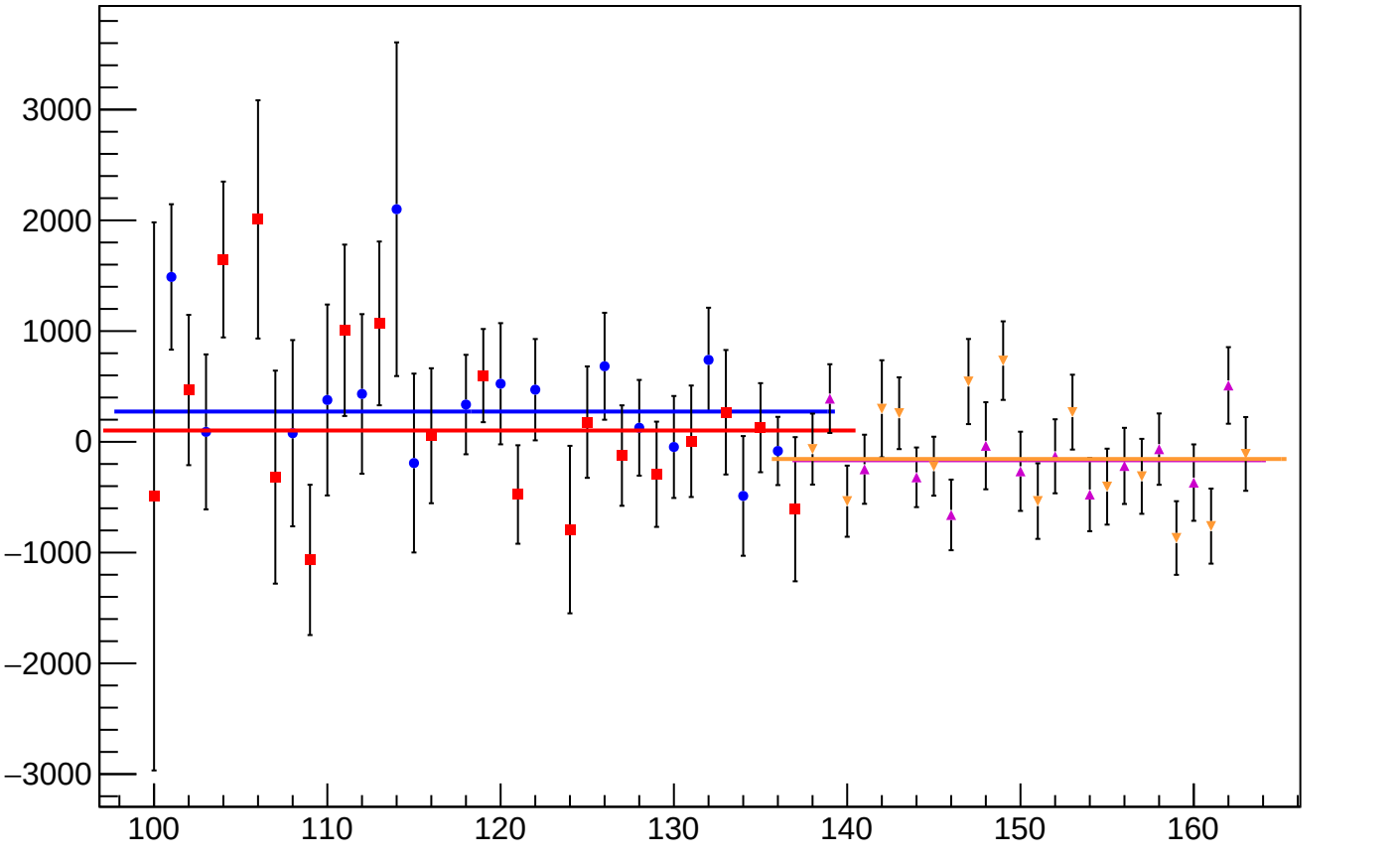
Left: 2151.522+/-0.331 χ^2/NDF: 638218.2/25

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2425.061+/-0.429 χ^2/NDF:3021335.4/27

Out: 2413.759+/-0.418 χ^2/NDF:3681397.7/32

All: 2419.259+/-0.299 χ^2/NDF: 6703089.7/60



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -166.099+/-94.684 χ^2/NDF:11.4/11

Left: -160.299+/-65.112 χ^2/NDF: 36.6/25

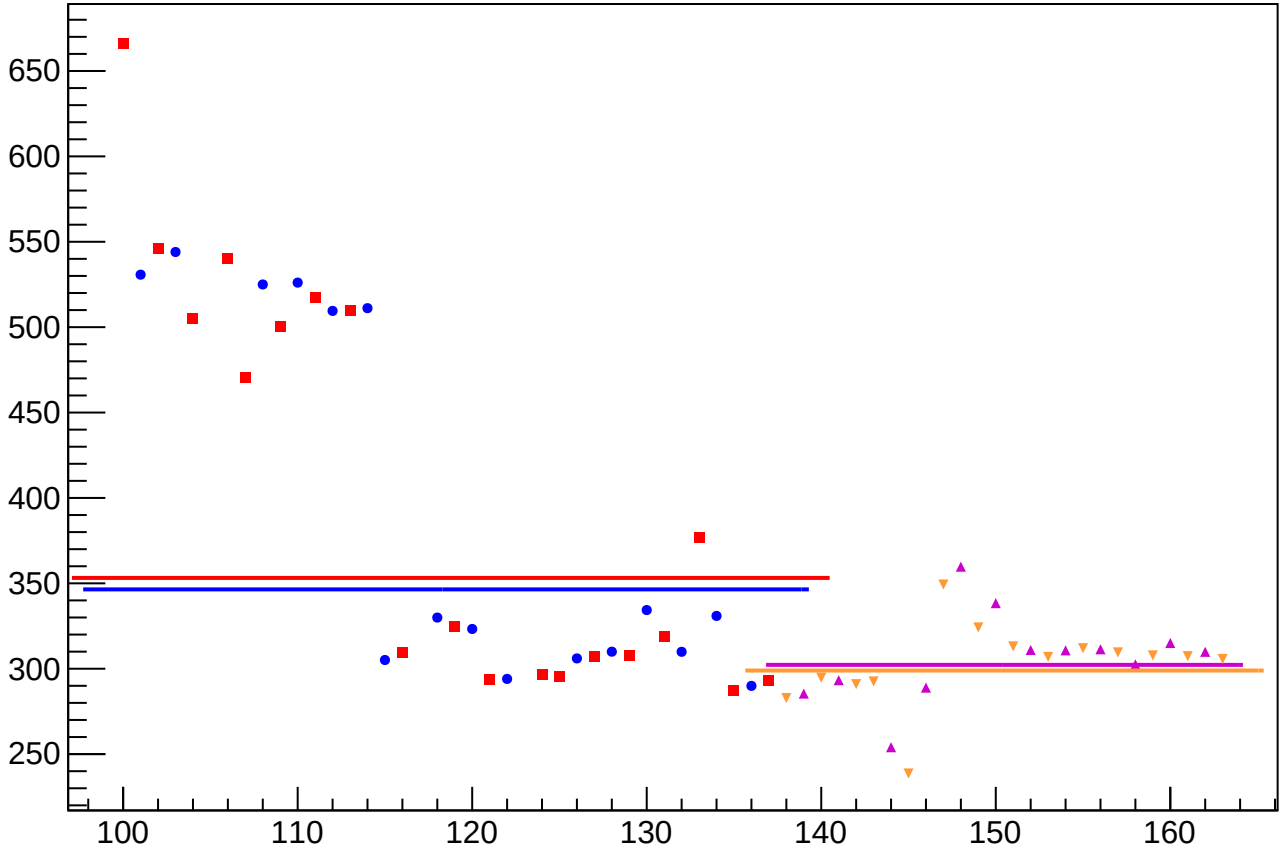
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -17.530+/-77.043 χ^2/NDF:30.1/27

Out: -75.122+/-74.463 χ^2/NDF:49.1/32

All: -47.306+/-53.542 χ^2/NDF: 79.4/60

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 298.944+/-0.063 χ^2/NDF:166734.1/13

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 302.259+/-0.067 χ^2/NDF:146227.9/11

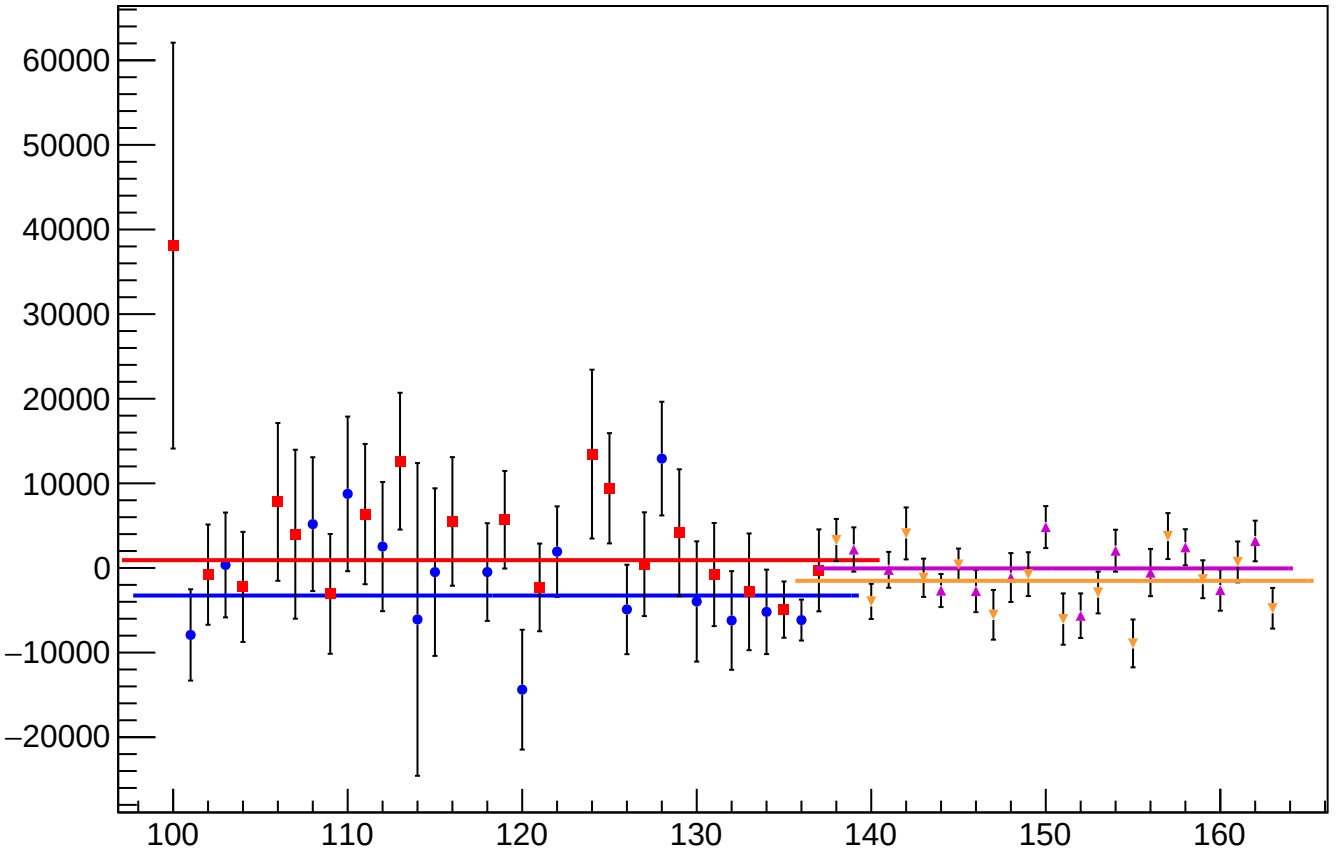
Left: 300.512+/-0.046 χ^2/NDF: 314253.7/25

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 317.193+/-0.054 χ^2/NDF:1062237.9/27

Out: 315.790+/-0.053 χ^2/NDF:1260279.0/32

All: 316.468+/-0.038 χ^2/NDF: 2322859.6/60



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1522.586+/-657.576 χ^2/NDF:27.3/13

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -54.142+/-695.315 χ^2/NDF:17.2/11

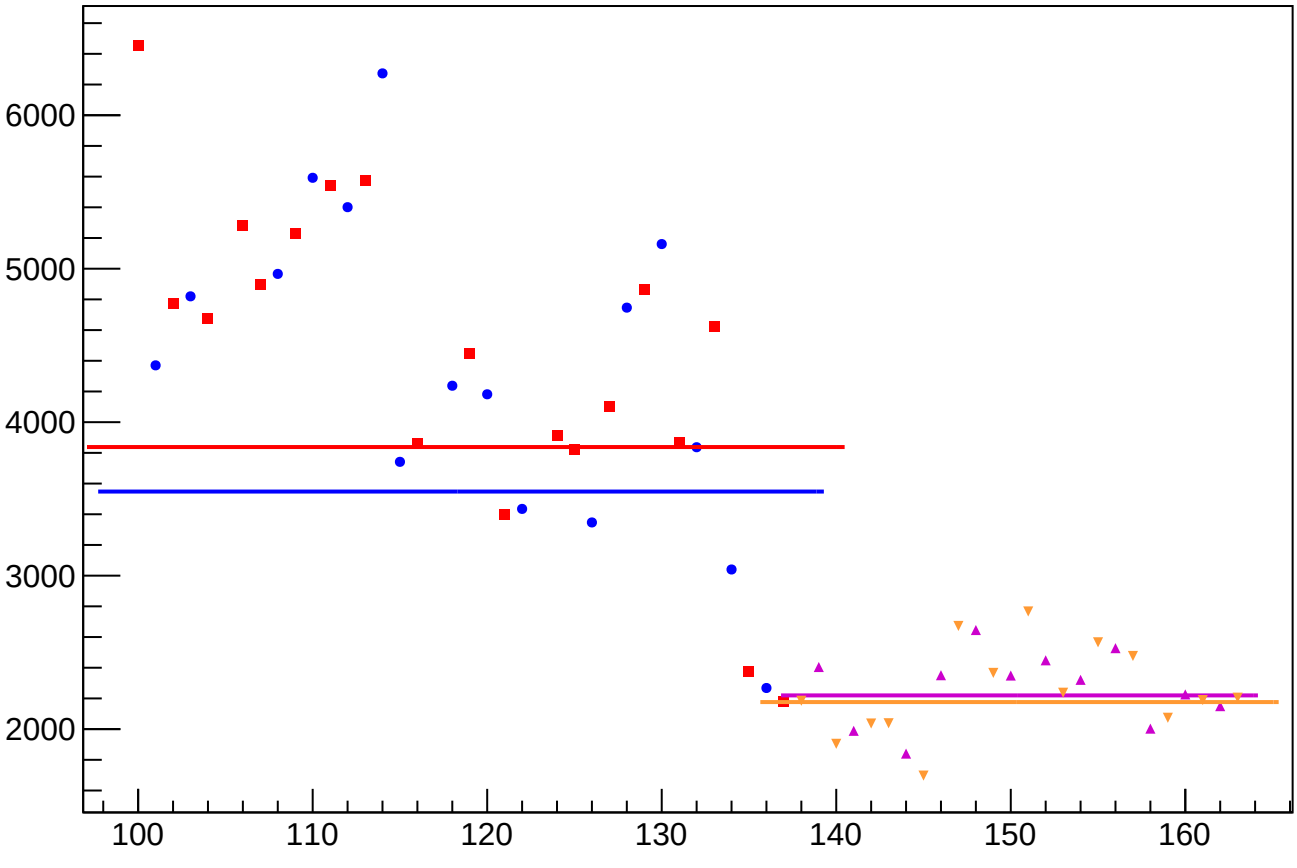
Left: -829.295+/-477.761 χ^2/NDF: 46.8/25

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -699.892+/-621.325 χ^2/NDF:37.5/27

Out: -1110.797+/-599.619 χ^2/NDF:44.2/32

All: -912.647+/-431.464 χ^2/NDF: 82.0/60



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2176.284+/-0.465 χ^2/NDF:384561.9/13

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2219.739+/-0.492 χ^2/NDF:228293.2/11

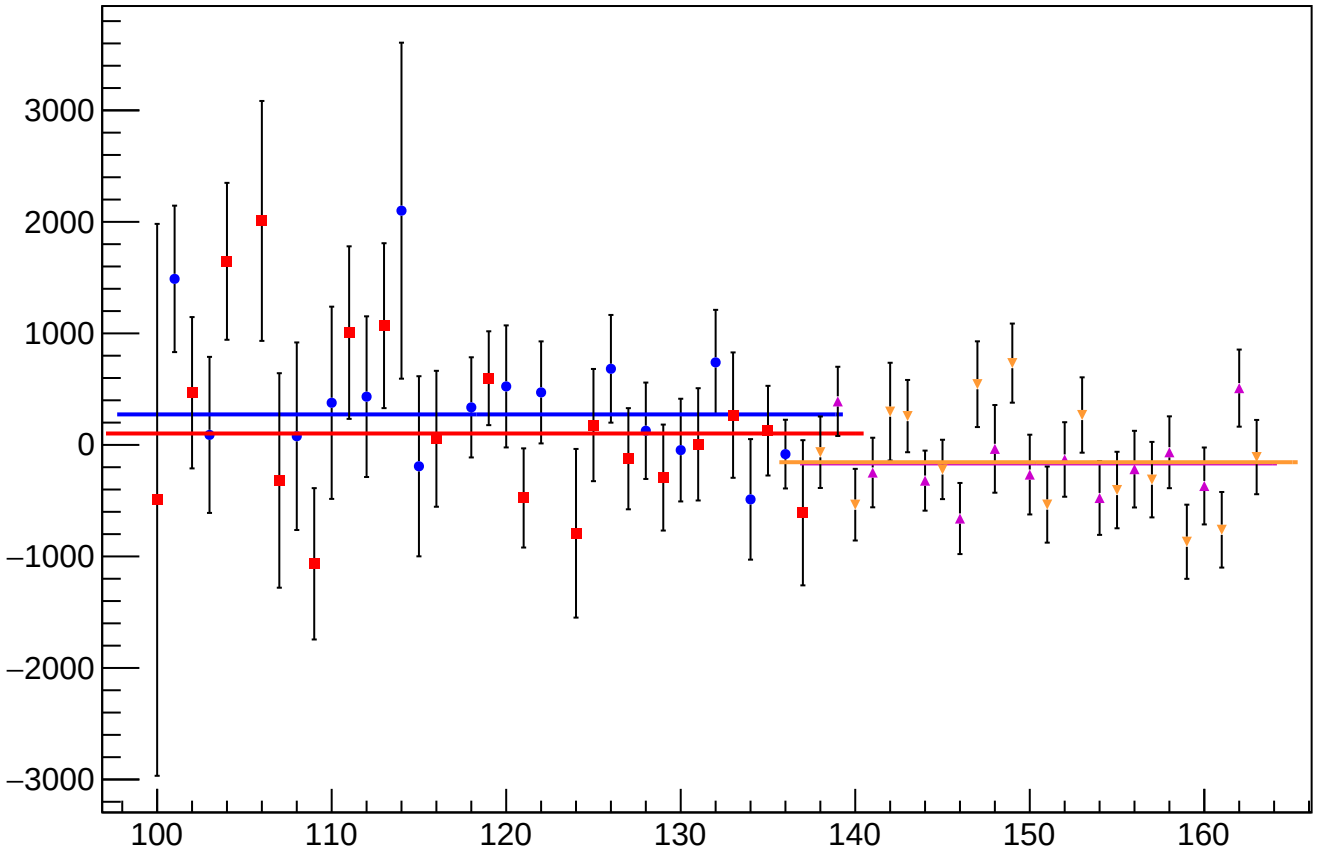
Left: 2196.801+/-0.338 χ^2/NDF: 616978.6/25

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2487.379+/-0.439 χ^2/NDF:2957368.6/27

Out: 2456.287+/-0.424 χ^2/NDF:3692426.5/32

All: 2471.280+/-0.305 χ^2/NDF: 6652388.4/60



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -155.097+/-89.684 χ^2/NDF:25.2/13

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -166.102+/-94.684 χ^2/NDF:11.4/11

Left: -160.301+/-65.112 χ^2/NDF: 36.6/25

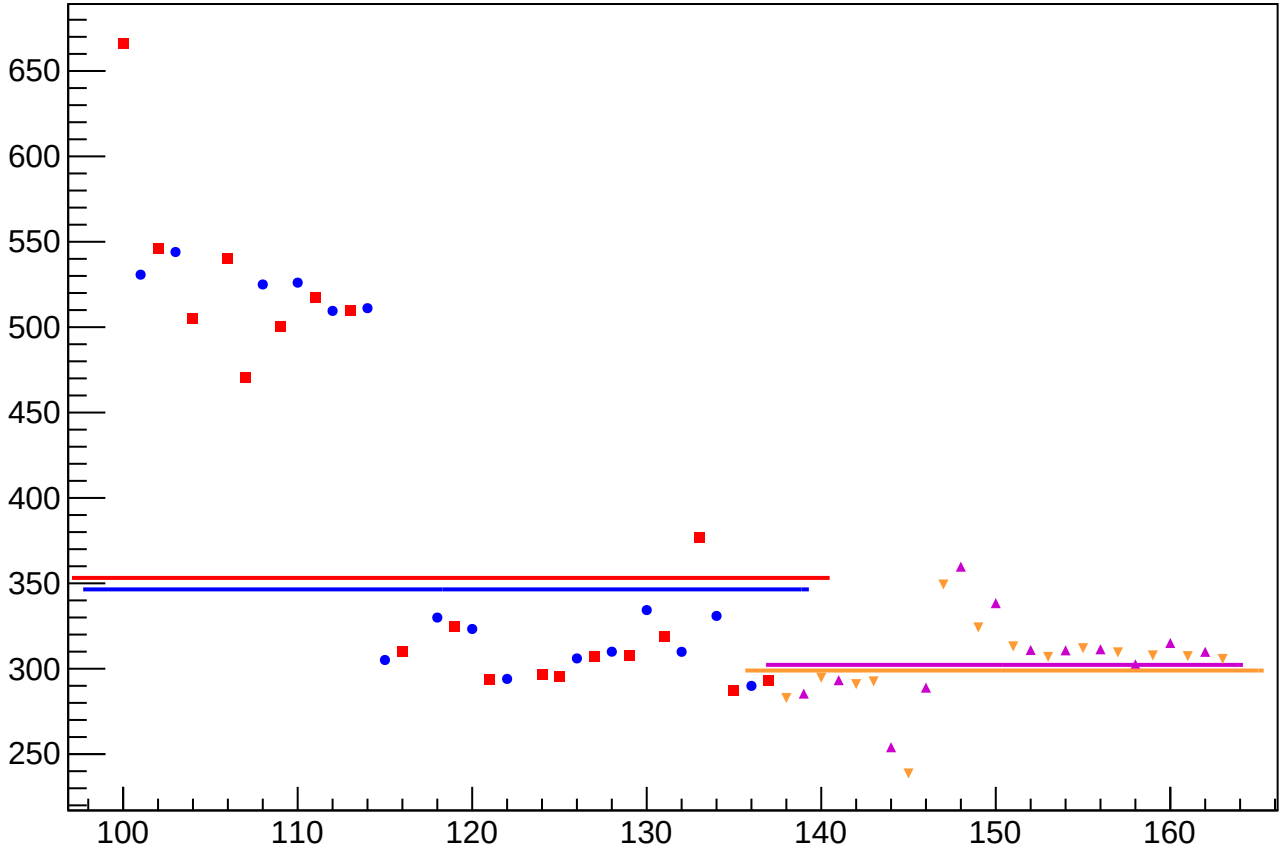
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -17.529+/-77.043 χ^2/NDF:30.1/27

Out: -75.122+/-74.463 χ^2/NDF:49.1/32

All: -47.306+/-53.542 χ^2/NDF: 79.4/60

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 298.944+/-0.063 χ^2/NDF:166737.2/13

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 302.259+/-0.067 χ^2/NDF:146229.3/11

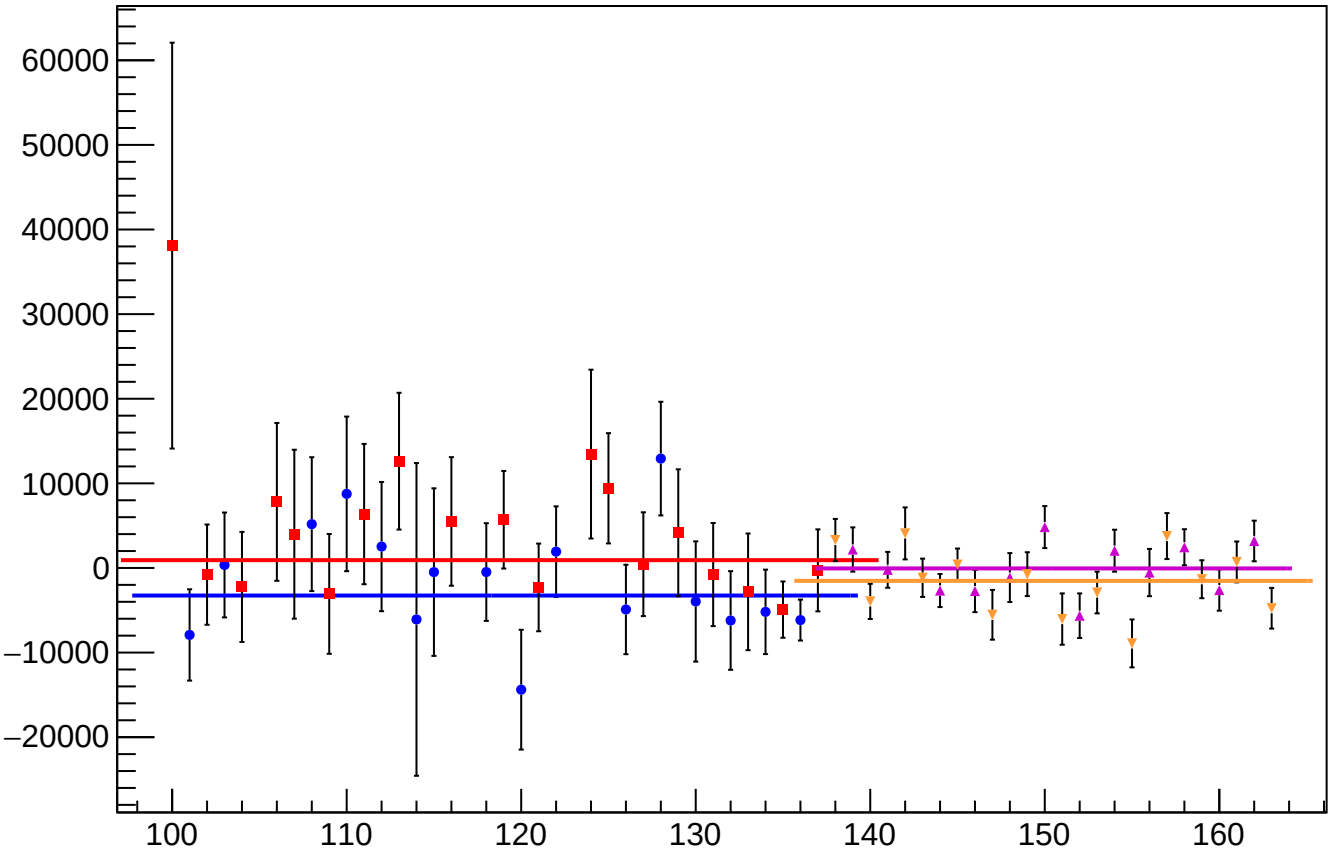
Left: 300.512+/-0.046 χ^2/NDF: 314258.2/25

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 317.192+/-0.054 χ^2/NDF:1062218.9/27

Out: 315.790+/-0.053 χ^2/NDF:1260260.8/32

All: 316.467+/-0.038 χ^2/NDF: 2322822.2/60



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1522.583+/-657.576 χ^2/NDF:27.3/13

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -54.141+/-695.315 χ^2/NDF:17.2/11

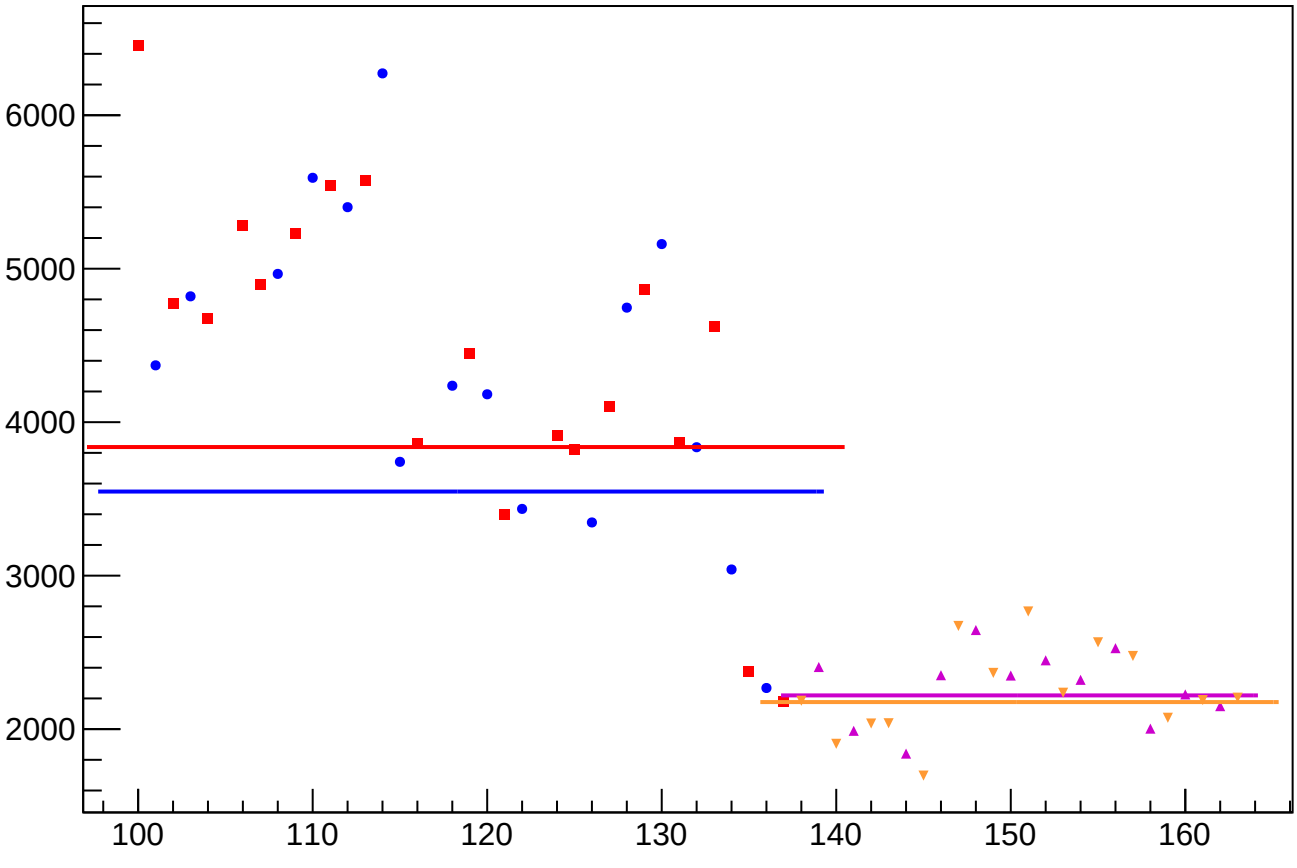
Left: -829.293+/-477.761 χ^2/NDF: 46.8/25

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -699.891+/-621.324 χ^2/NDF:37.5/27

Out: -1110.792+/-599.619 χ^2/NDF:44.2/32

All: -912.644+/-431.464 χ^2/NDF: 82.0/60



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2176.284+/-0.465 χ^2/NDF:384568.6/13

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2219.738+/-0.492 χ^2/NDF:228294.8/11

Left: 2196.800+/-0.338 χ^2/NDF: 616987.0/25

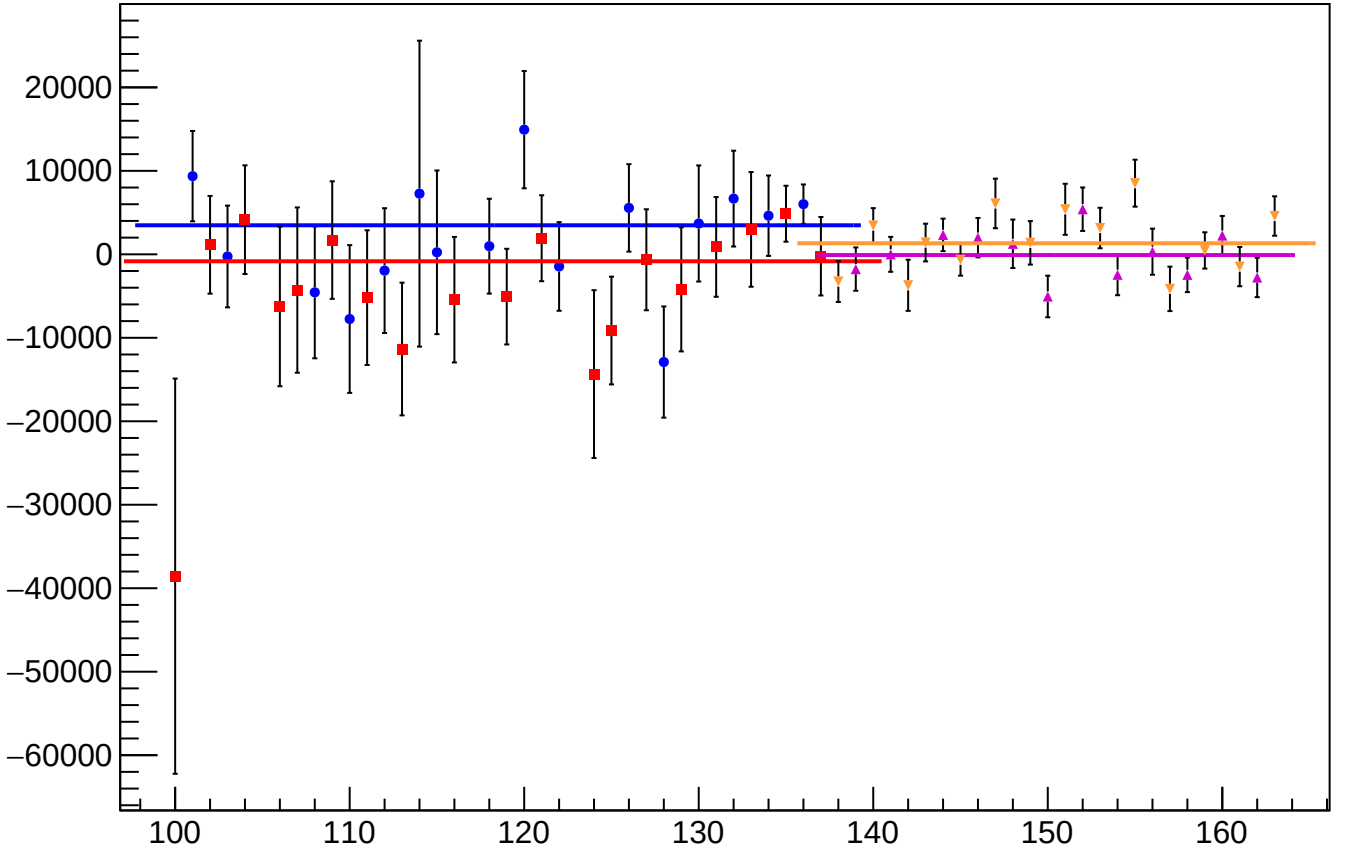
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2487.378+/-0.439 χ^2/NDF:2957354.2/27

Out: 2456.286+/-0.424 χ^2/NDF:3692419.4/32

All: 2471.280+/-0.305 χ^2/NDF: 6652366.8/60

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1323.258+/-652.219 χ^2/NDF:27.5/13

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -88.271+/-683.786 χ^2/NDF:15.9/11

Left: 650.827+/-471.954 χ^2/NDF: 45.6/25

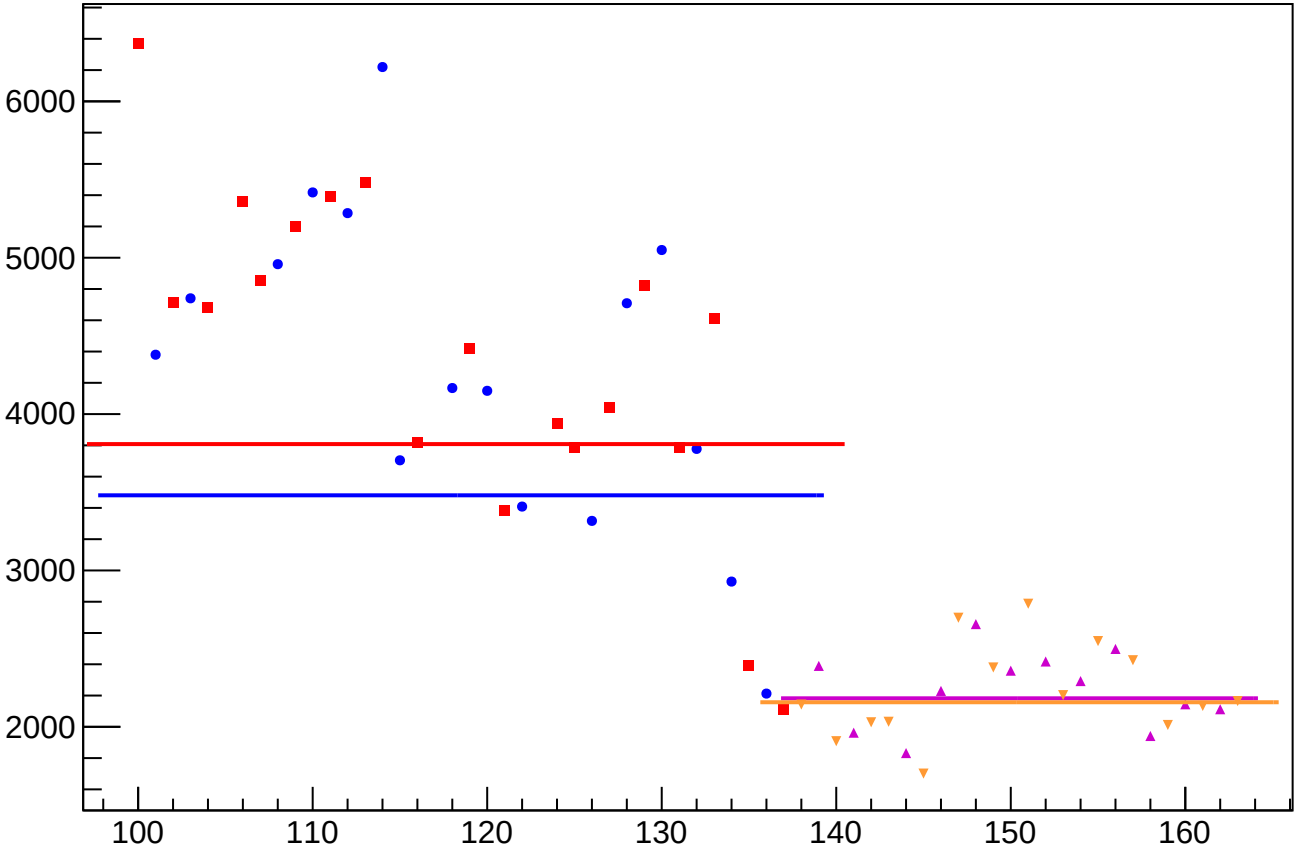
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 631.115+/-610.947 χ^2/NDF:37.7/27

Out: 960.330+/-594.791 χ^2/NDF:43.3/32

All: 800.133+/-426.178 χ^2/NDF: 81.2/60

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2157.164+/-0.461 χ^2/NDF:387376.8/13

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2182.364+/-0.484 χ^2/NDF:239785.5/11

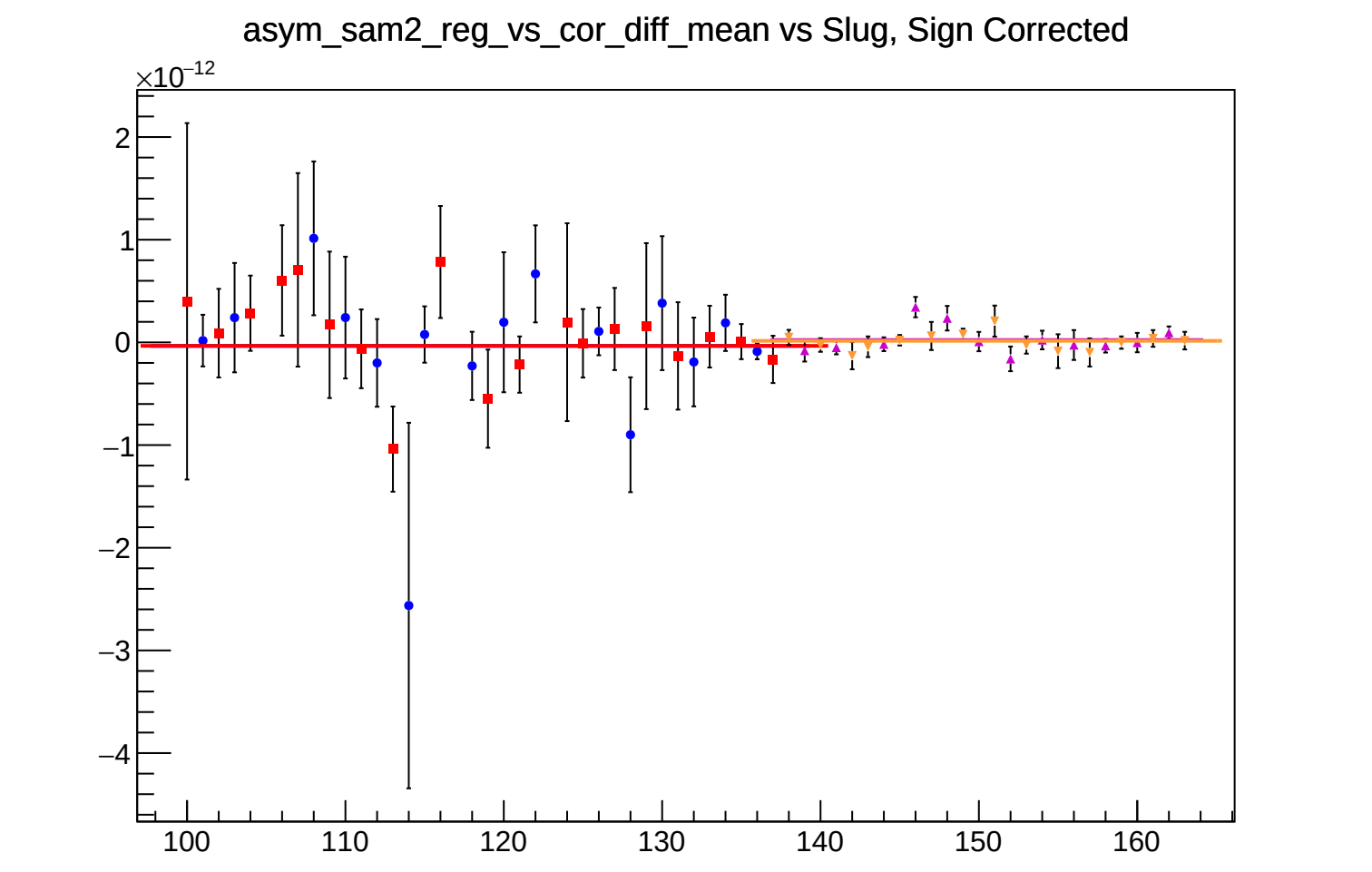
Left: 2169.169+/-0.334 χ^2/NDF: 628584.6/25

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2444.208+/-0.432 χ^2/NDF:2990451.9/27

Out: 2435.102+/-0.421 χ^2/NDF:3692358.4/32

All: 2439.533+/-0.301 χ^2/NDF: 6683038.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:20.7/11

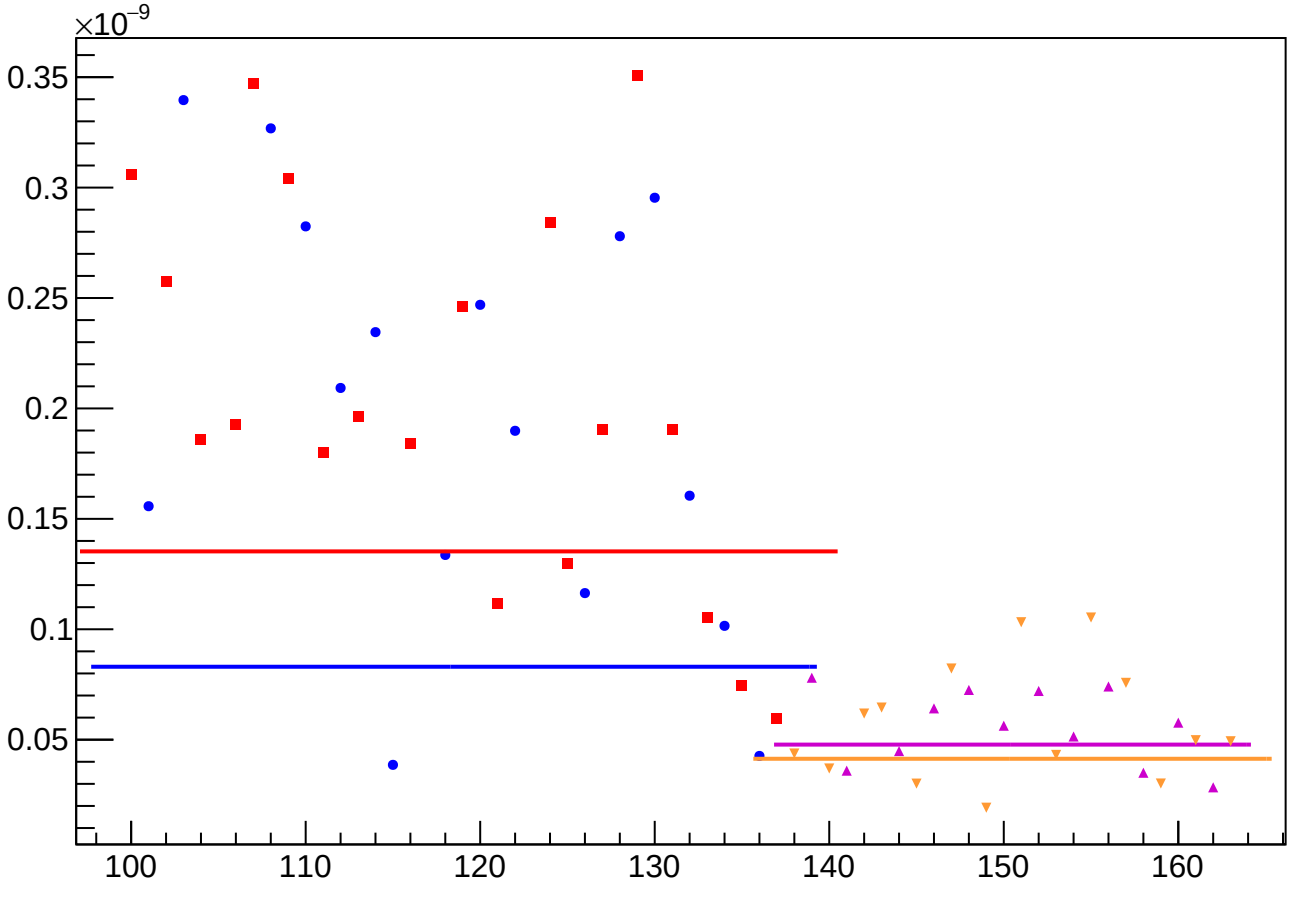
Left: 0.000+/-0.000 χ^2/NDF: 27.4/25

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:33.4/27

Out: 0.000+/-0.000 χ^2/NDF:20.4/32

All: 0.000+/-0.000 χ^2/NDF: 53.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1626694.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:834166.7/11

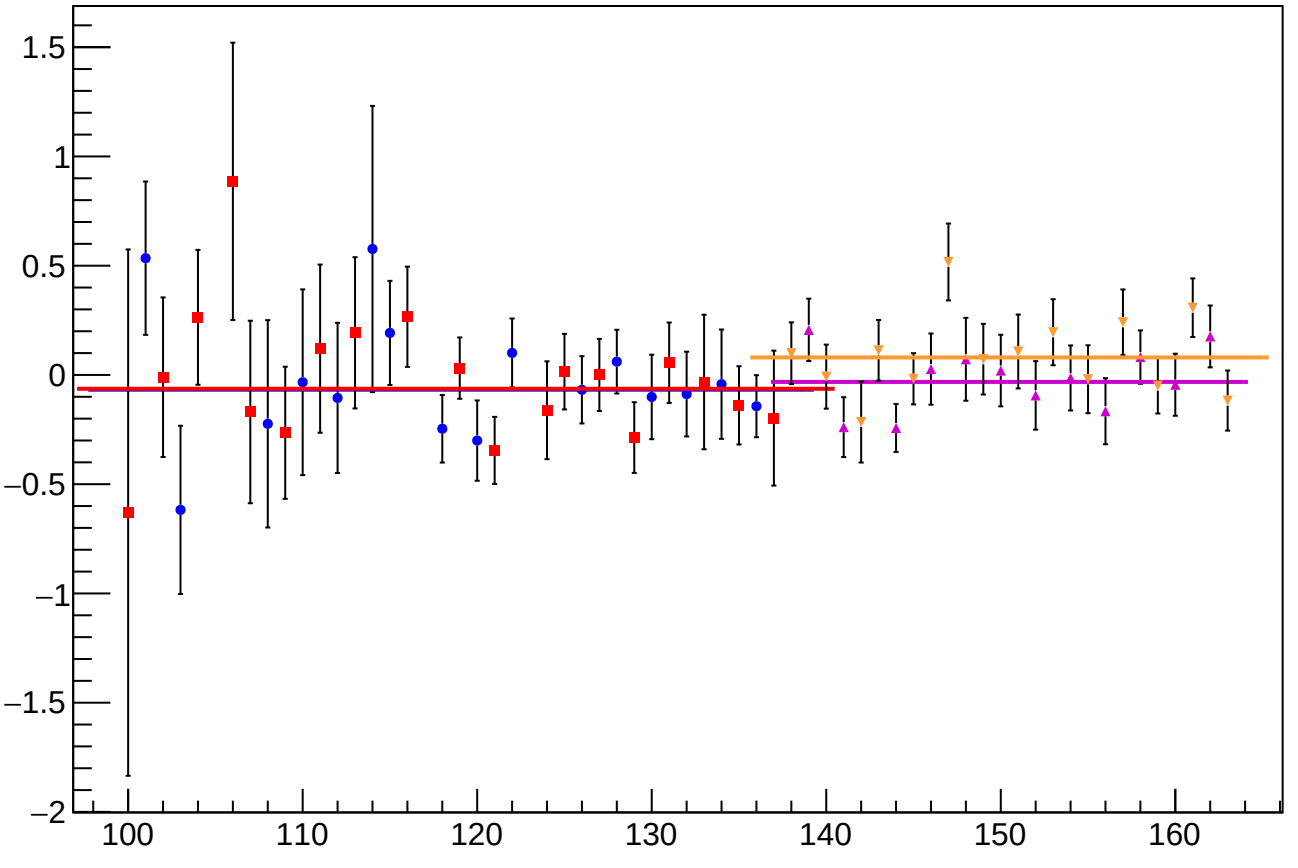
Left: 0.000+/-0.000 χ^2/NDF: 2538445.8/25

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4118570.8/27

Out: 0.000+/-0.000 χ^2/NDF:5330520.9/32

All: 0.000+/-0.000 χ^2/NDF: 9517508.5/60



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.032+/-0.041 χ^2/NDF:13.3/11

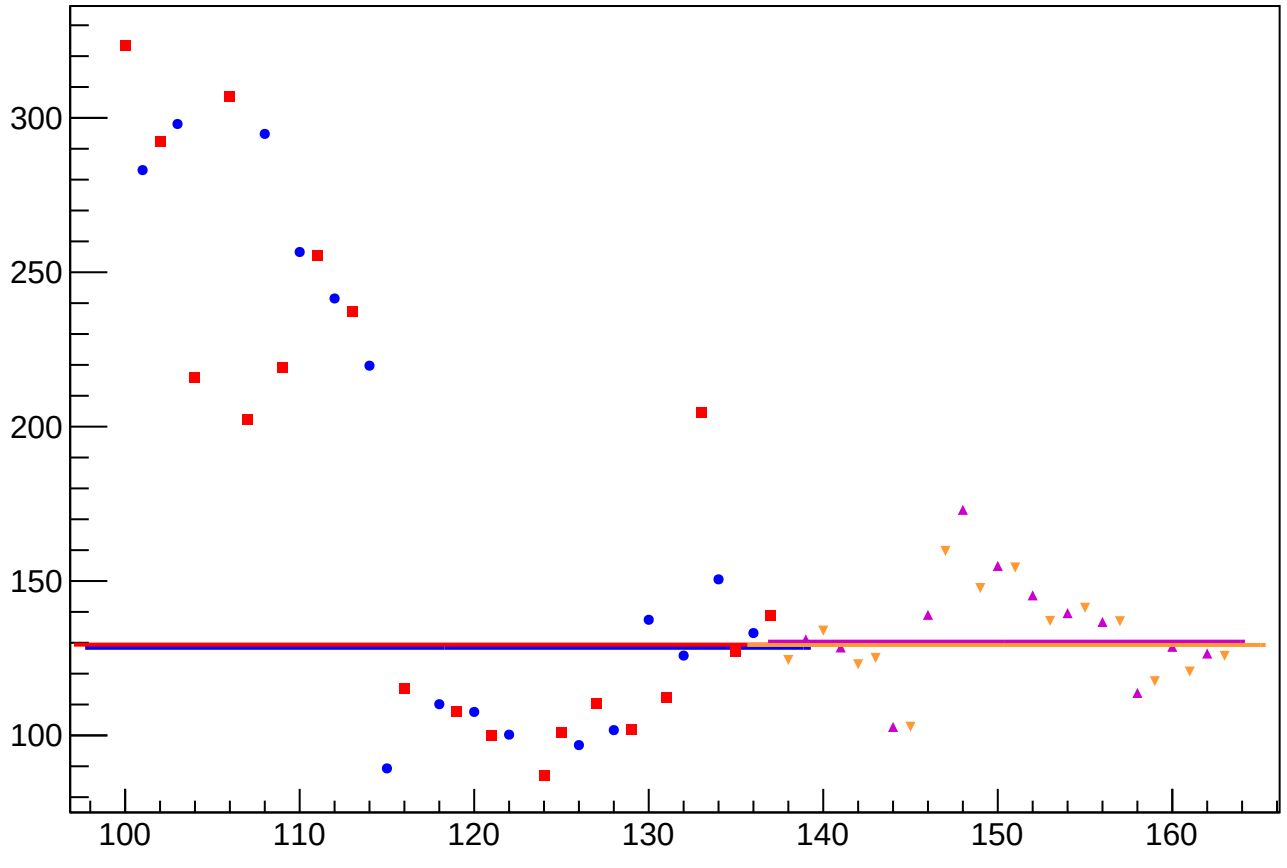
Left: 0.027+/-0.028 χ^2/NDF: 35.1/25

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.046+/-0.032 χ^2/NDF:26.0/27

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.008+/-0.022 χ^2/NDF: 65.6/60



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.357+/-0.029 χ^2/NDF:347365.9/11

Left: 129.794+/-0.020 χ^2/NDF: 637727.0/25

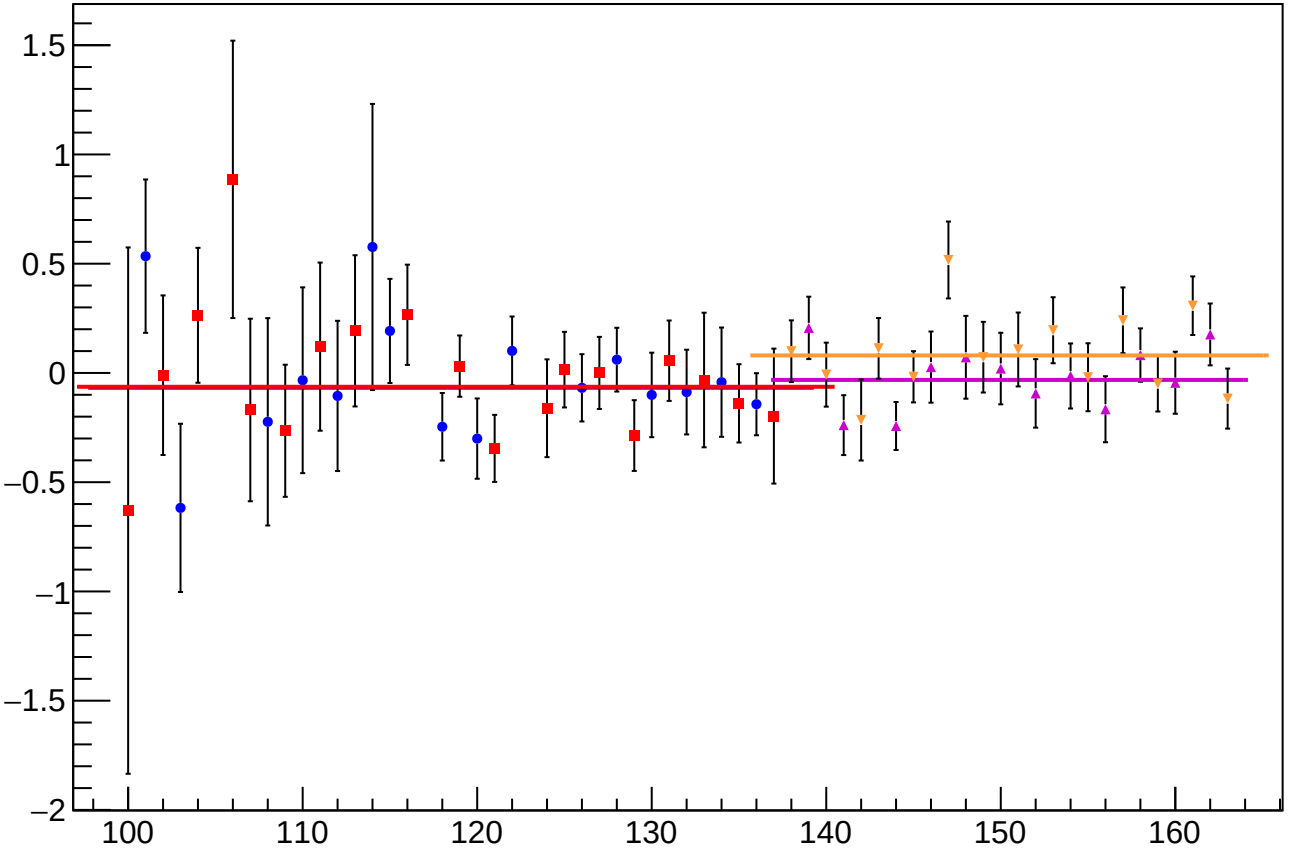
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.587+/-0.023 χ^2/NDF:2154225.7/27

Out: 129.331+/-0.022 χ^2/NDF:2177937.0/32

All: 129.454+/-0.016 χ^2/NDF: 4332227.6/60

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.032+/-0.041 χ^2/NDF:13.3/11

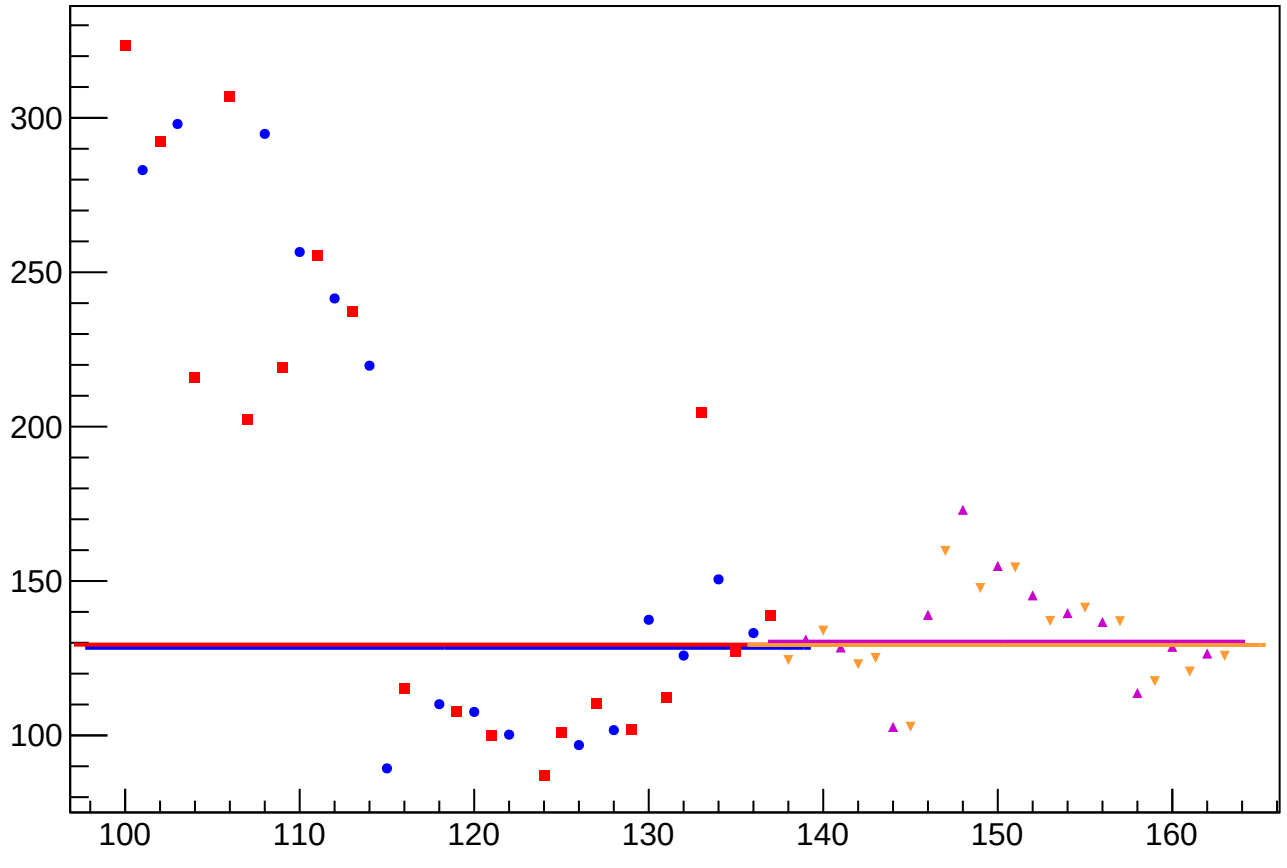
Left: 0.027+/-0.028 χ^2/NDF: 35.1/25

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.046+/-0.032 χ^2/NDF:26.0/27

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.008+/-0.022 χ^2/NDF: 65.6/60



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 129.292+/-0.028 χ^2/NDF:289660.0/13

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 130.357+/-0.029 χ^2/NDF:347365.9/11

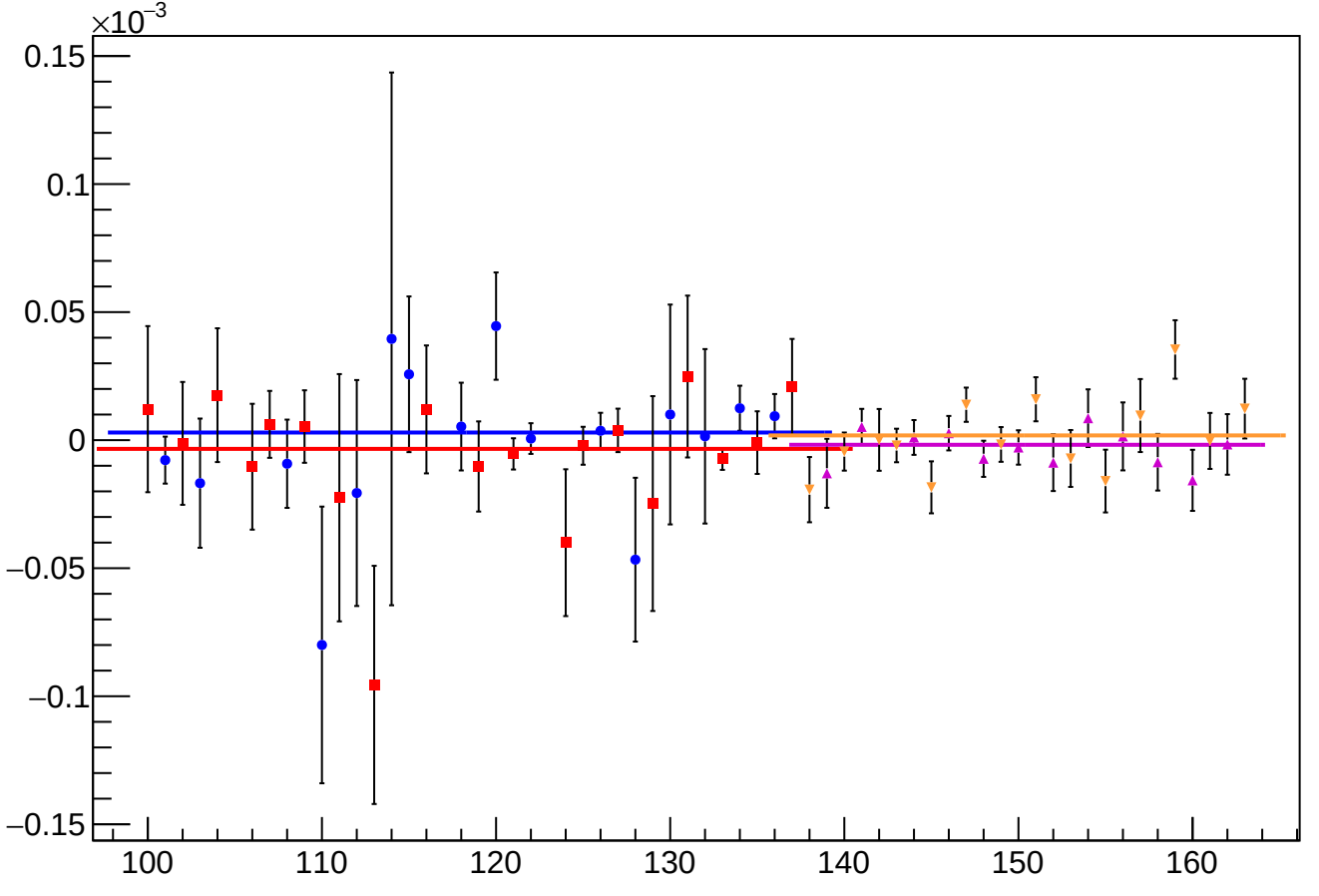
Left: 129.794+/-0.020 χ^2/NDF: 637727.0/25

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 129.587+/-0.023 χ^2/NDF:2154225.7/27

Out: 129.331+/-0.022 χ^2/NDF:2177937.0/32

All: 129.454+/-0.016 χ^2/NDF: 4332227.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/11

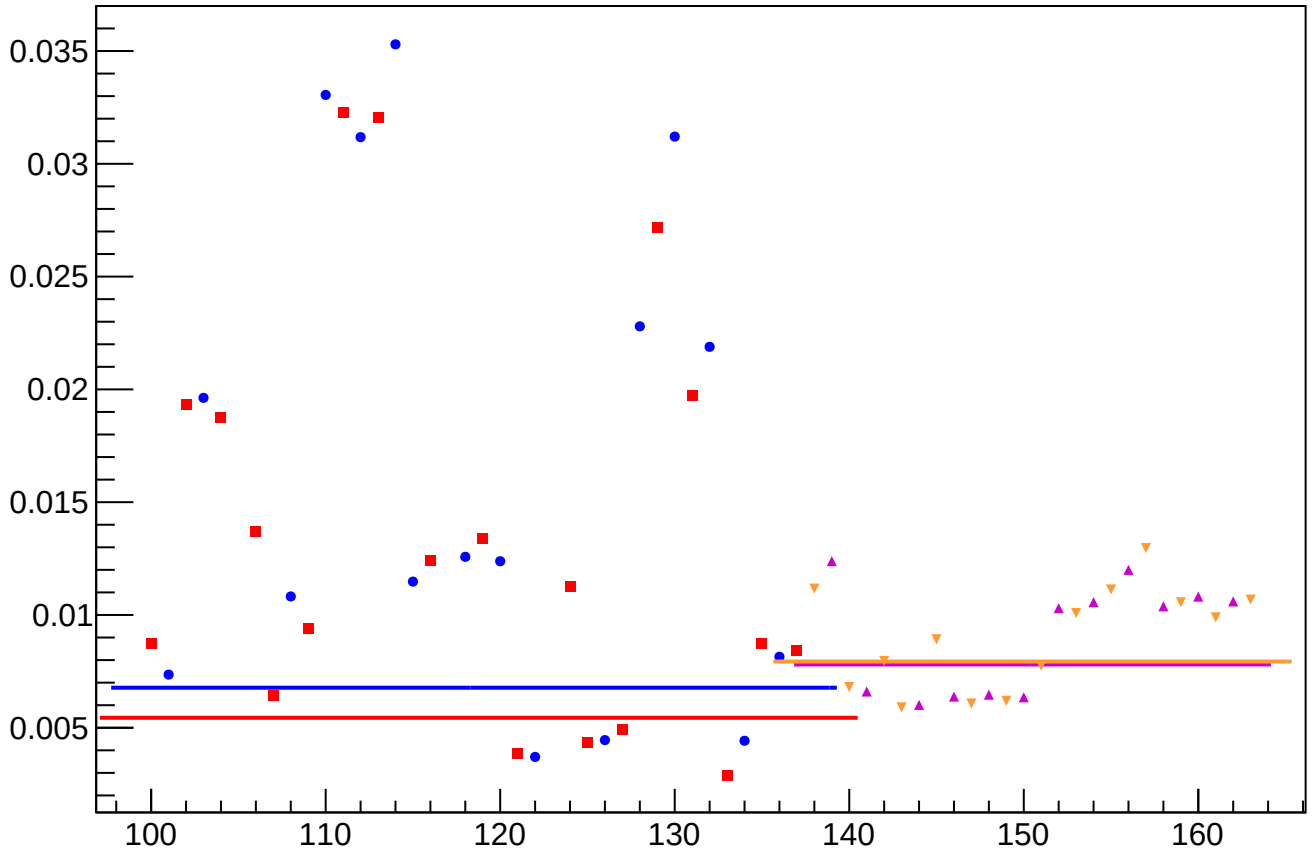
Left: 0.000+/-0.000 χ^2/NDF: 33.6/25

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:21.5/27

Out: -0.000+/-0.000 χ^2/NDF:41.3/32

All: -0.000+/-0.000 χ^2/NDF: 62.9/60



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1414873.5/13

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1452827.3/11

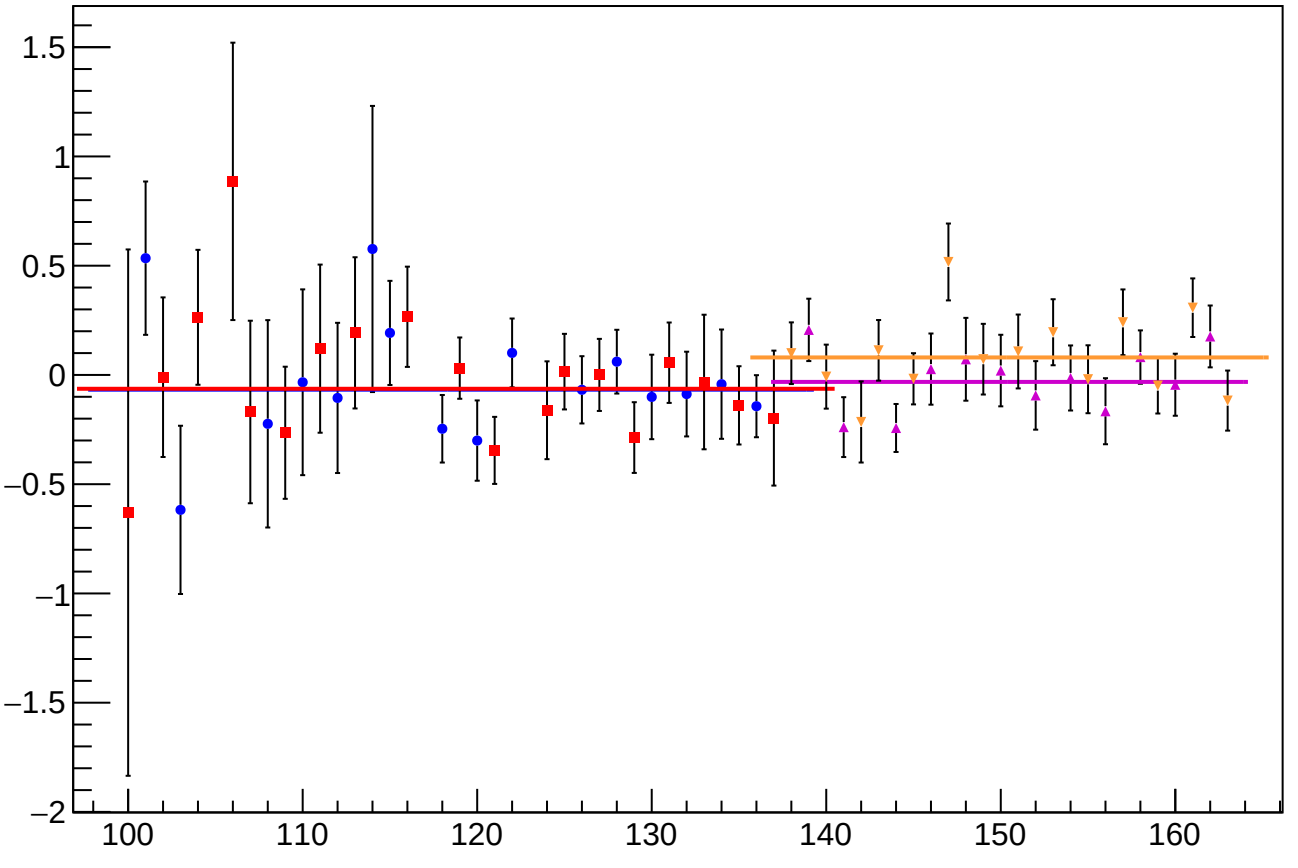
Left: 0.008+/-0.000 χ^2/NDF: 2870452.7/25

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:6355158.9/27

Out: 0.007+/-0.000 χ^2/NDF:7958352.3/32

All: 0.007+/-0.000 χ^2/NDF: 14430869.9/60



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.032+/-0.041 χ^2/NDF:13.3/11

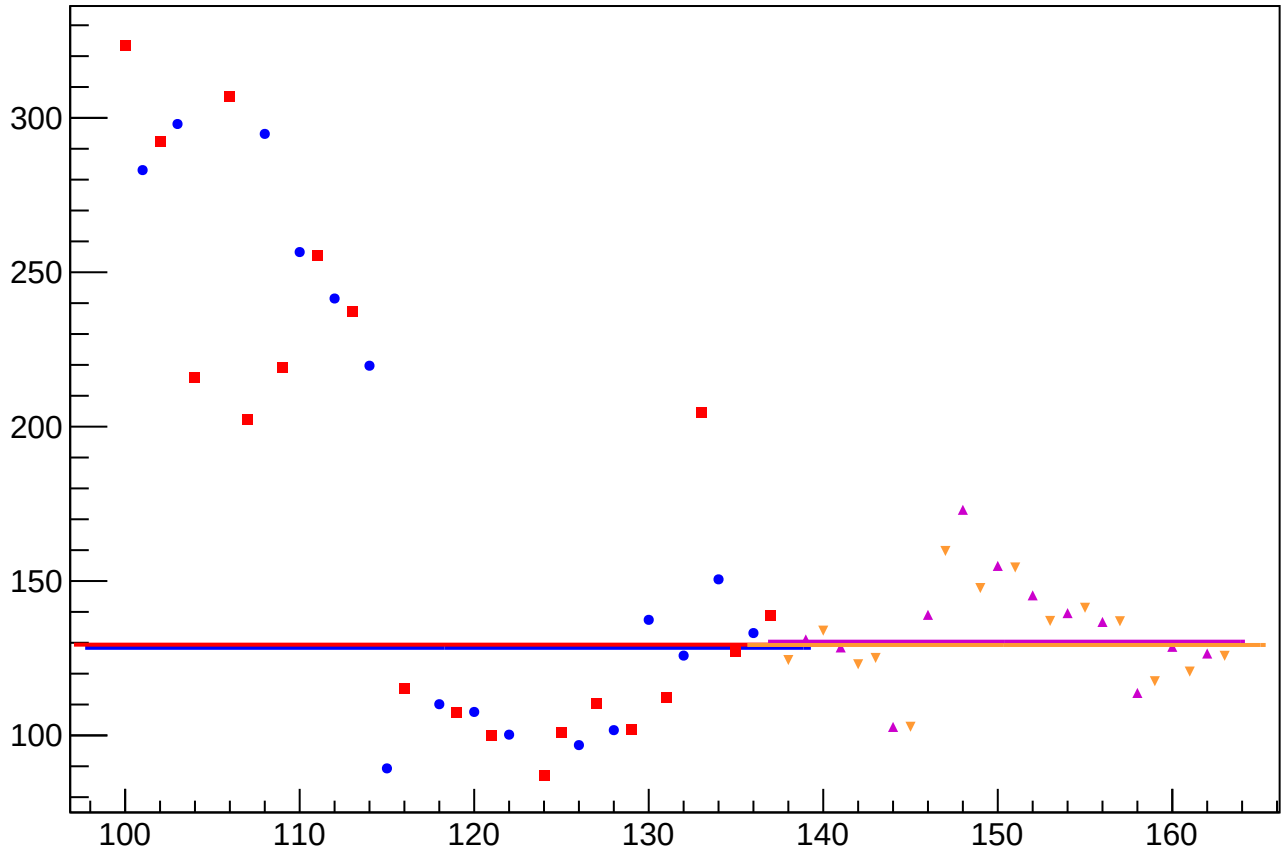
Left: 0.027+/-0.028 χ^2/NDF: 35.1/25

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.046+/-0.032 χ^2/NDF:26.0/27

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.008+/-0.022 χ^2/NDF: 65.6/60



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 129.292+/-0.028 χ^2/NDF:289688.8/13

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 130.357+/-0.029 χ^2/NDF:347381.5/11

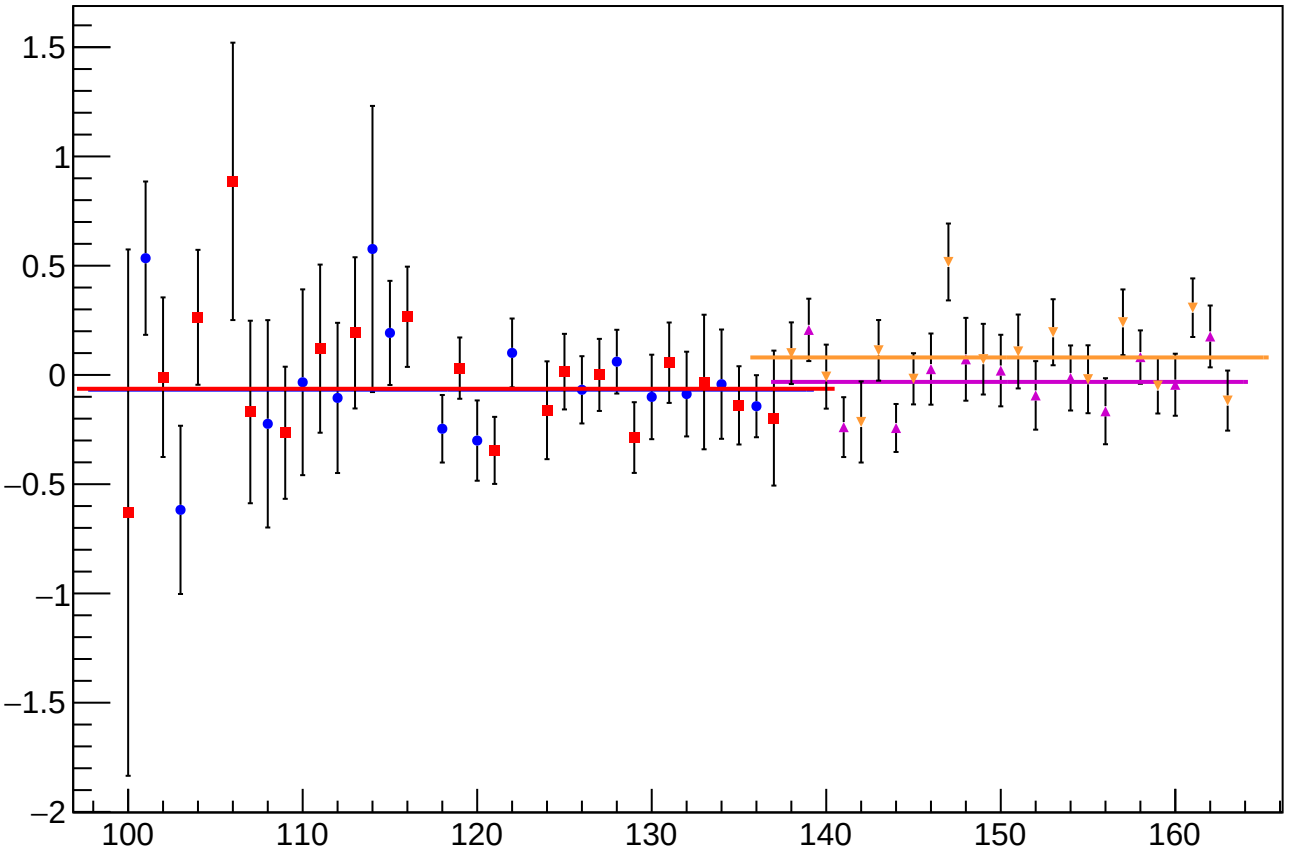
Left: 129.794+/-0.020 χ^2/NDF: 637770.9/25

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 129.585+/-0.023 χ^2/NDF:2154194.1/27

Out: 129.330+/-0.022 χ^2/NDF:2177966.7/32

All: 129.453+/-0.016 χ^2/NDF: 4332225.7/60



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.080+/-0.039 χ^2/NDF:18.0/13

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.032+/-0.041 χ^2/NDF:13.3/11

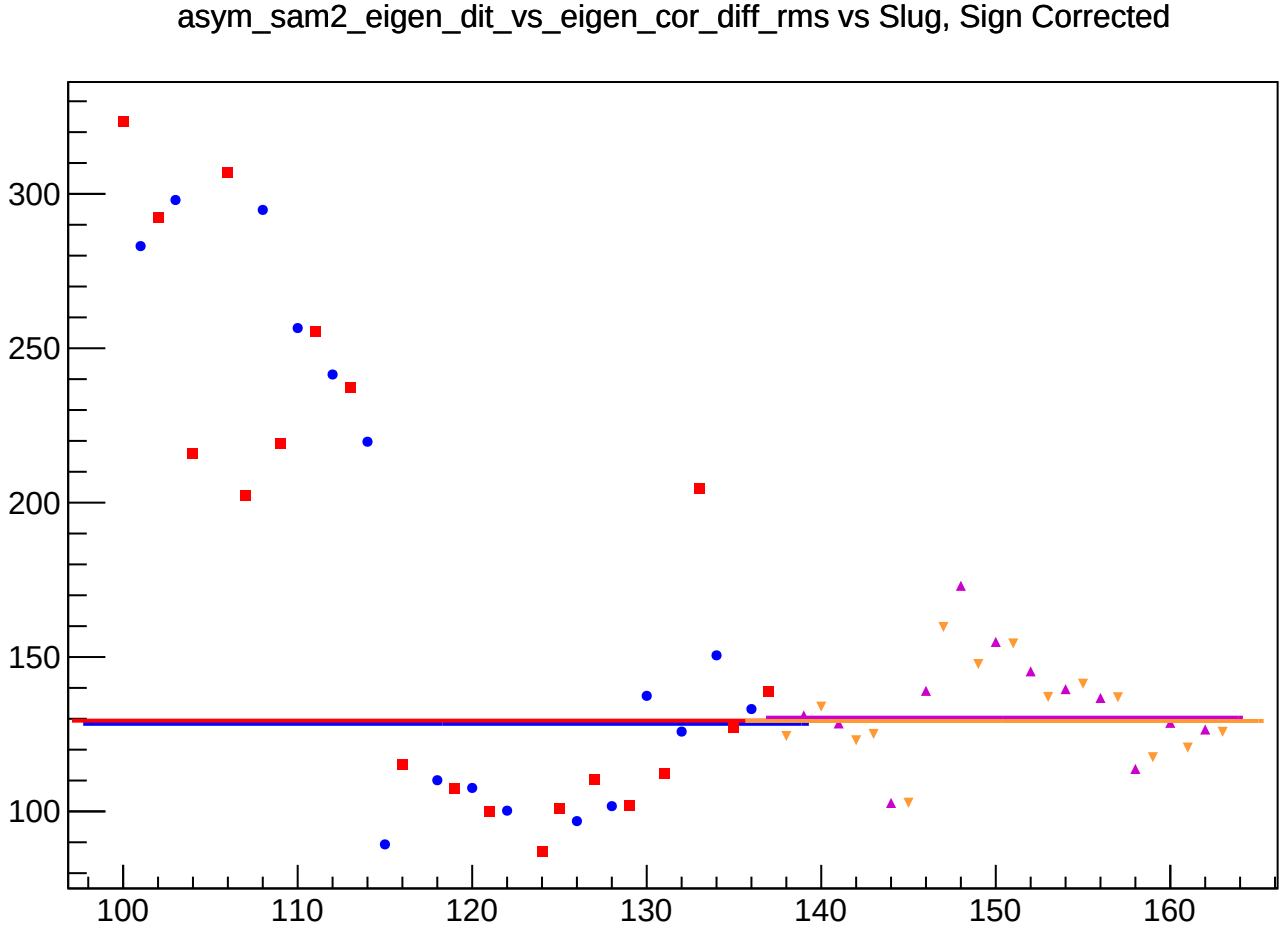
Left: 0.027+/-0.028 χ^2/NDF: 35.1/25

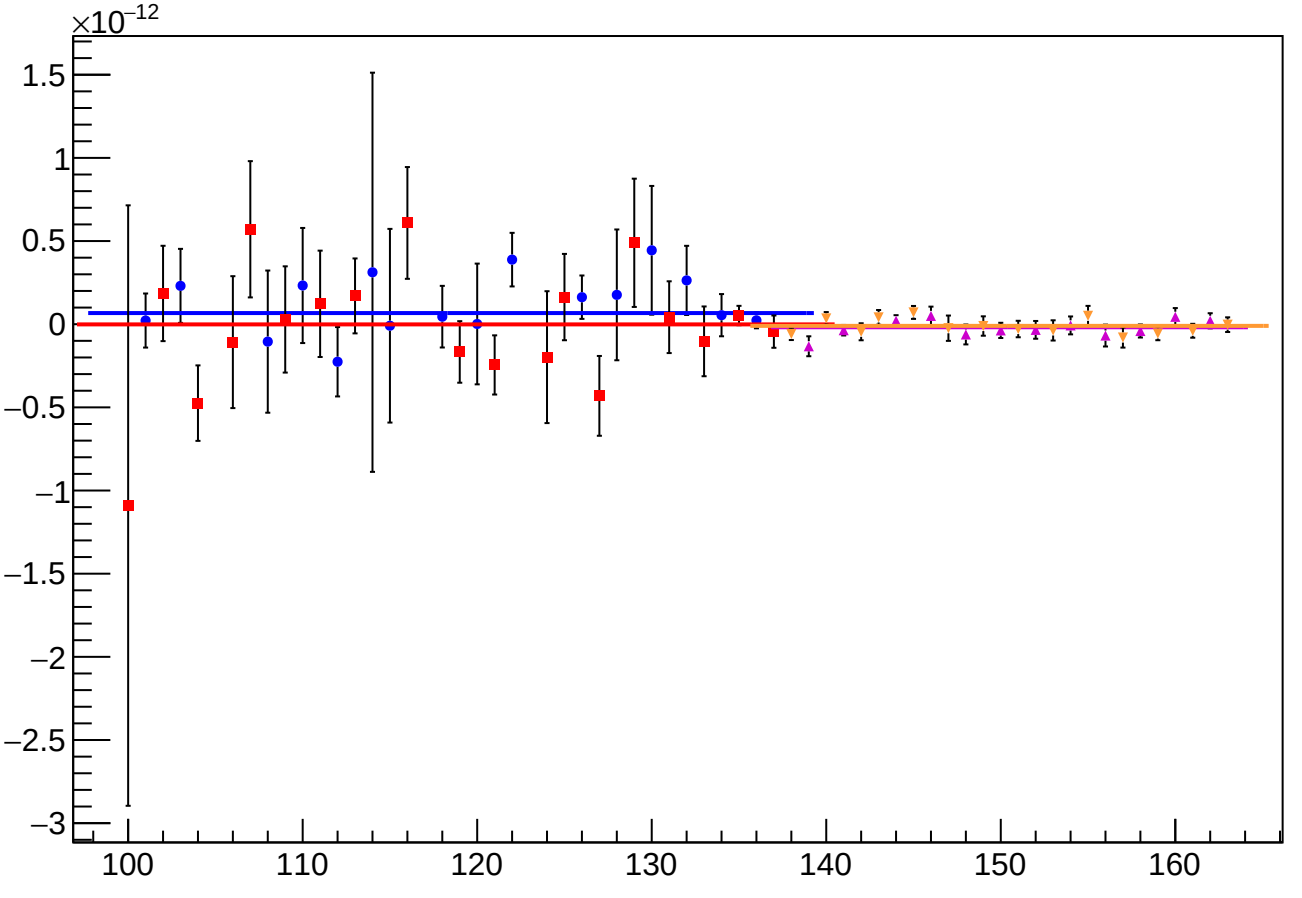
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.046+/-0.032 χ^2/NDF:26.0/27

Out: 0.028+/-0.031 χ^2/NDF:36.9/32

All: -0.008+/-0.022 χ^2/NDF: 65.6/60


asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
300
250
200
150
100
100
110
120
130
140
150
160
Right In: 128.377+/-0.037 χ²/NDF: 1805026.7/15
Left Out: 129.292+/-0.028 χ²/NDF:289688.8/13
Right Out: 129.396+/-0.036 χ²/NDF: 1888272.8/18
Left In: 130.357+/-0.029 χ²/NDF:347381.5/11
Left: 129.794+/-0.020 χ²/NDF: 637770.9/25
Right: 128.888+/-0.026 χ²/NDF: 3693688.1/34
In: 129.585+/-0.023 χ²/NDF:2154194.1/27
Out: 129.330+/-0.022 χ²/NDF:2177966.7/32
All: 129.453+/-0.016 χ²/NDF: 4332225.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/11

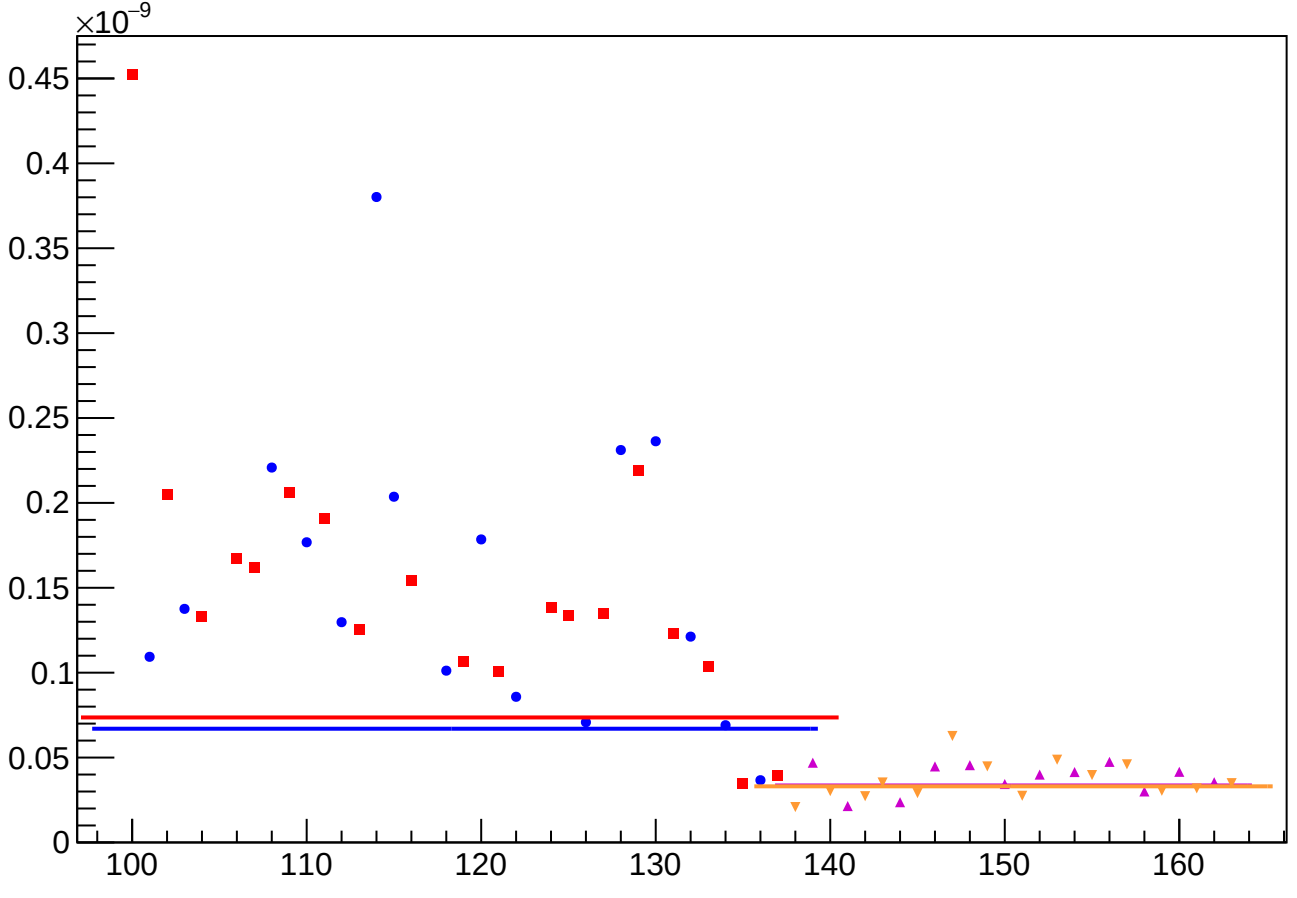
Left: -0.000+/-0.000 χ^2/NDF: 24.6/25

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/27

Out: -0.000+/-0.000 χ^2/NDF:34.5/32

All: -0.000+/-0.000 χ^2/NDF: 60.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:954628.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:954953.6/11

Left: 0.000+/-0.000 χ^2/NDF: 1911165.4/25

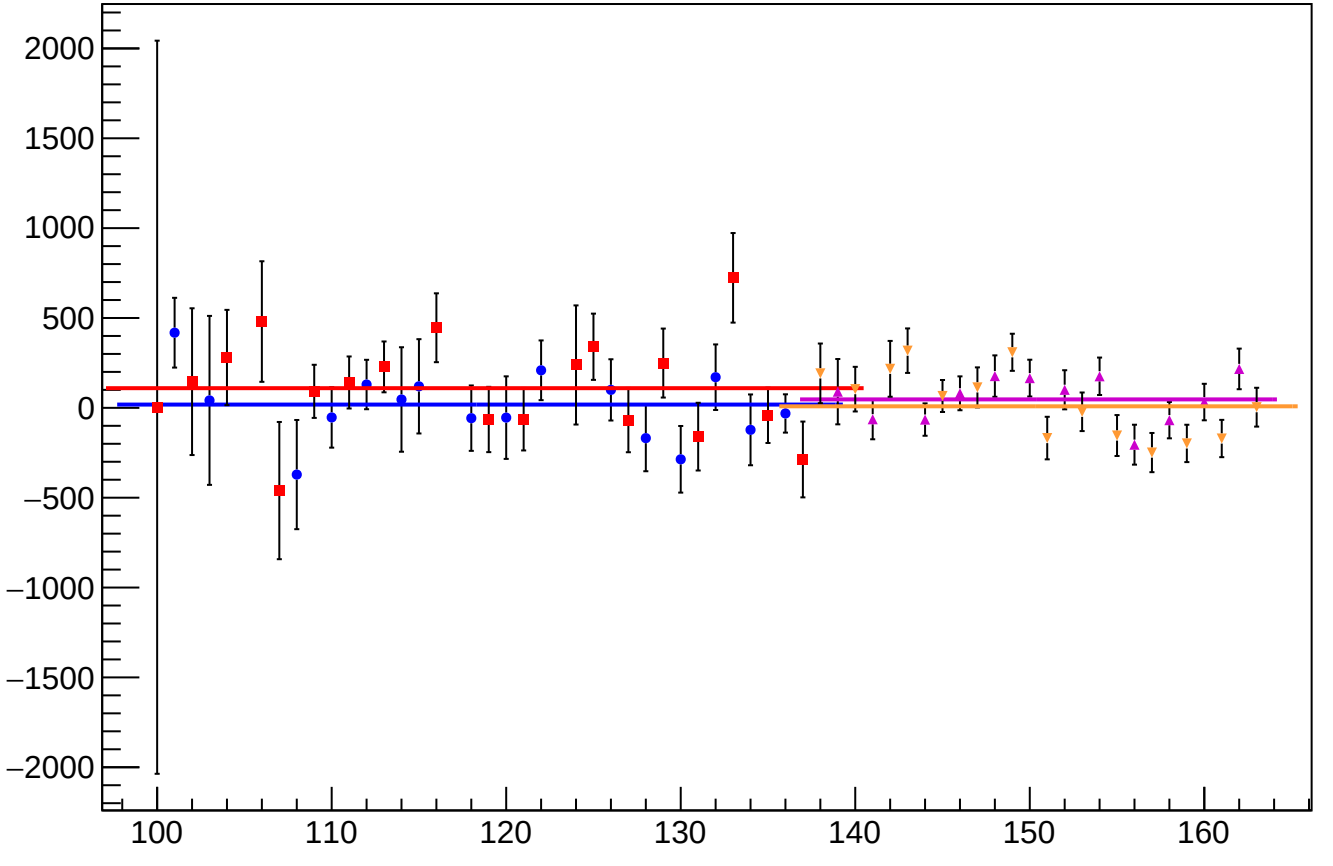
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5644092.1/27

Out: 0.000+/-0.000 χ^2/NDF:6535833.0/32

All: 0.000+/-0.000 χ^2/NDF: 12183925.8/60

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.547+/-30.168 χ^2/NDF:36.5/13

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 47.011+/-30.889 χ^2/NDF:15.8/11

Left: 27.325+/-21.582 χ^2/NDF: 53.1/25

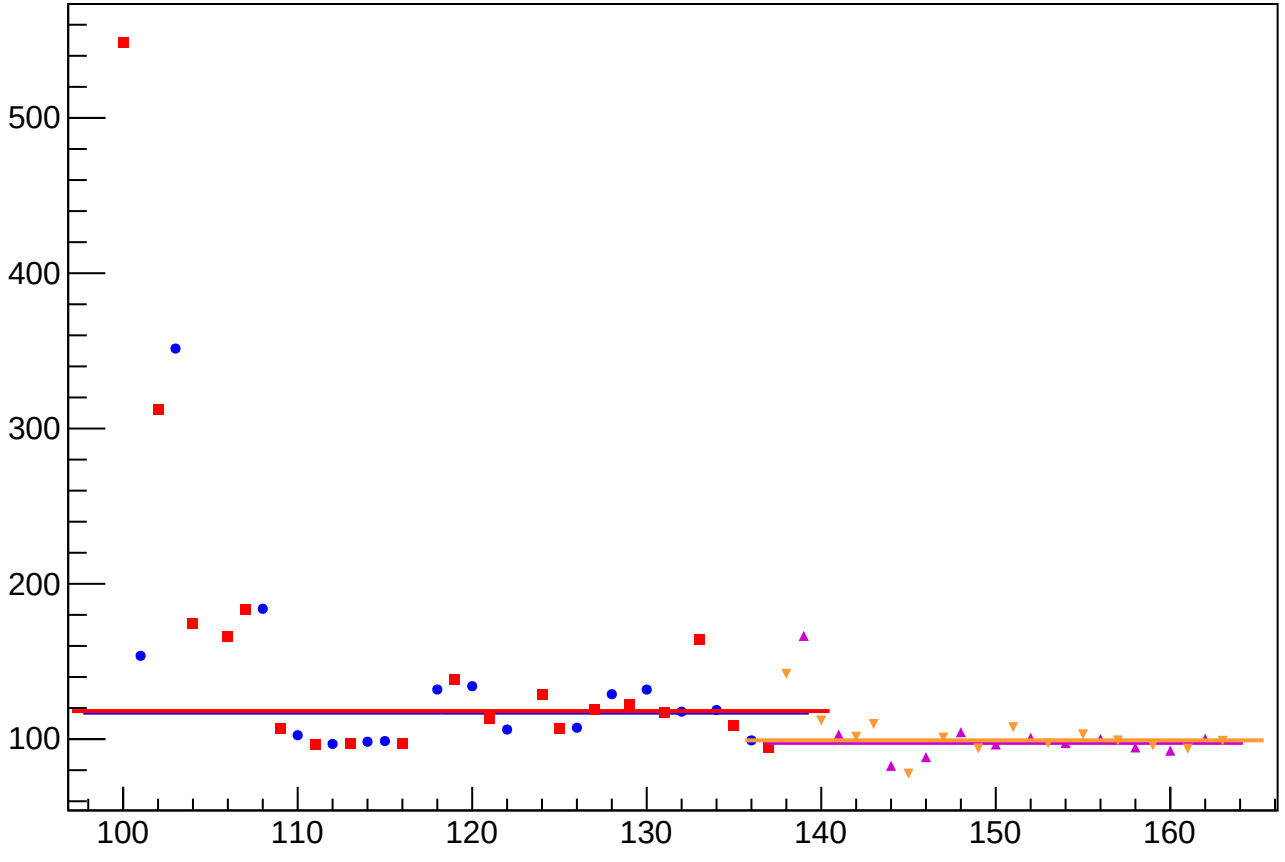
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 37.979+/-25.592 χ^2/NDF:30.0/27

Out: 39.051+/-25.198 χ^2/NDF:65.4/32

All: 38.523+/-17.955 χ^2/NDF: 95.3/60

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 97.593+/-0.022 χ^2/NDF:382566.2/11

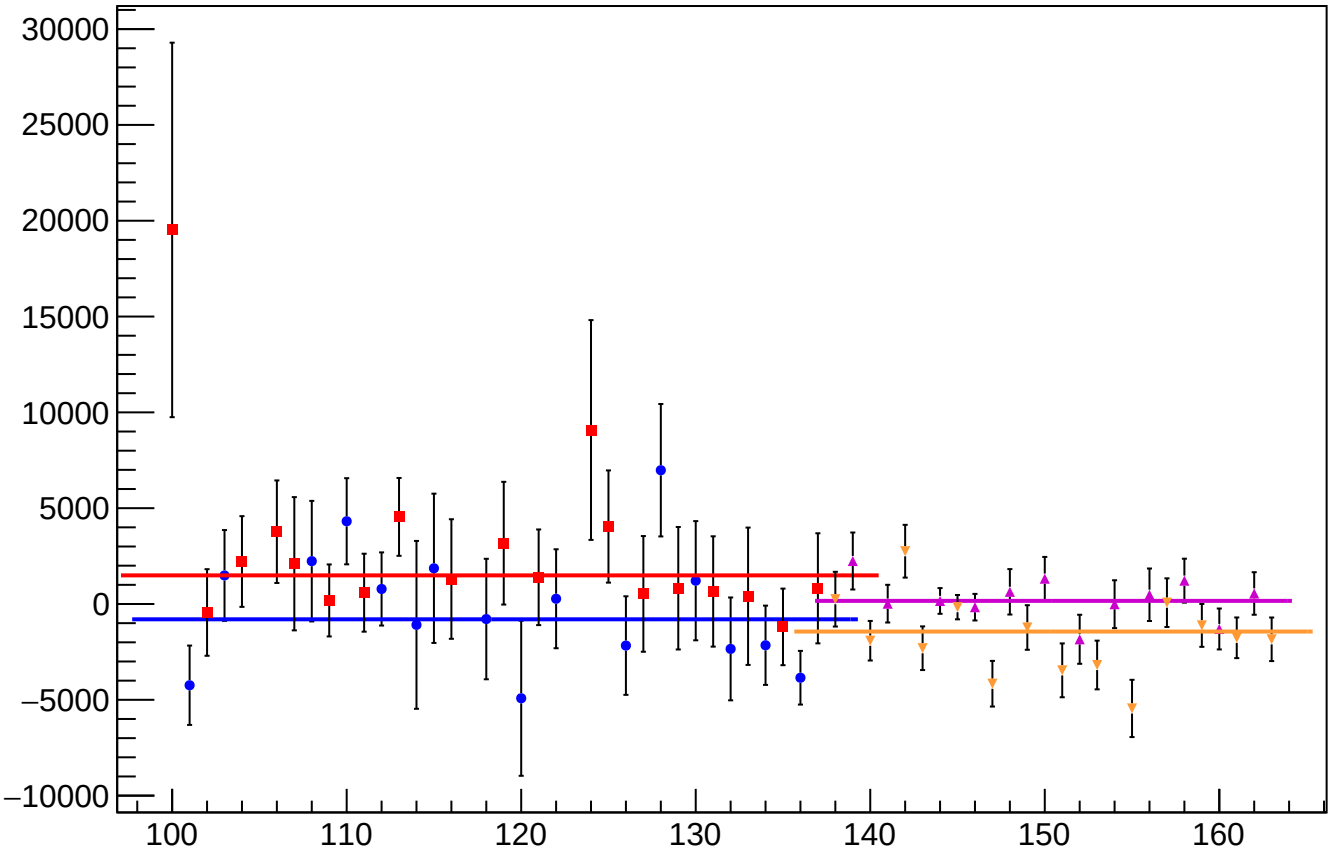
Left: 98.425+/-0.015 χ^2/NDF: 696736.0/25

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 103.698+/-0.018 χ^2/NDF:1490097.6/27

Out: 104.915+/-0.018 χ^2/NDF:1537883.8/32

All: 104.316+/-0.013 χ^2/NDF: 3030279.0/60



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1437.713+/-297.413 χ^2/NDF:33.6/13

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 162.997+/-294.787 χ^2/NDF:8.8/11

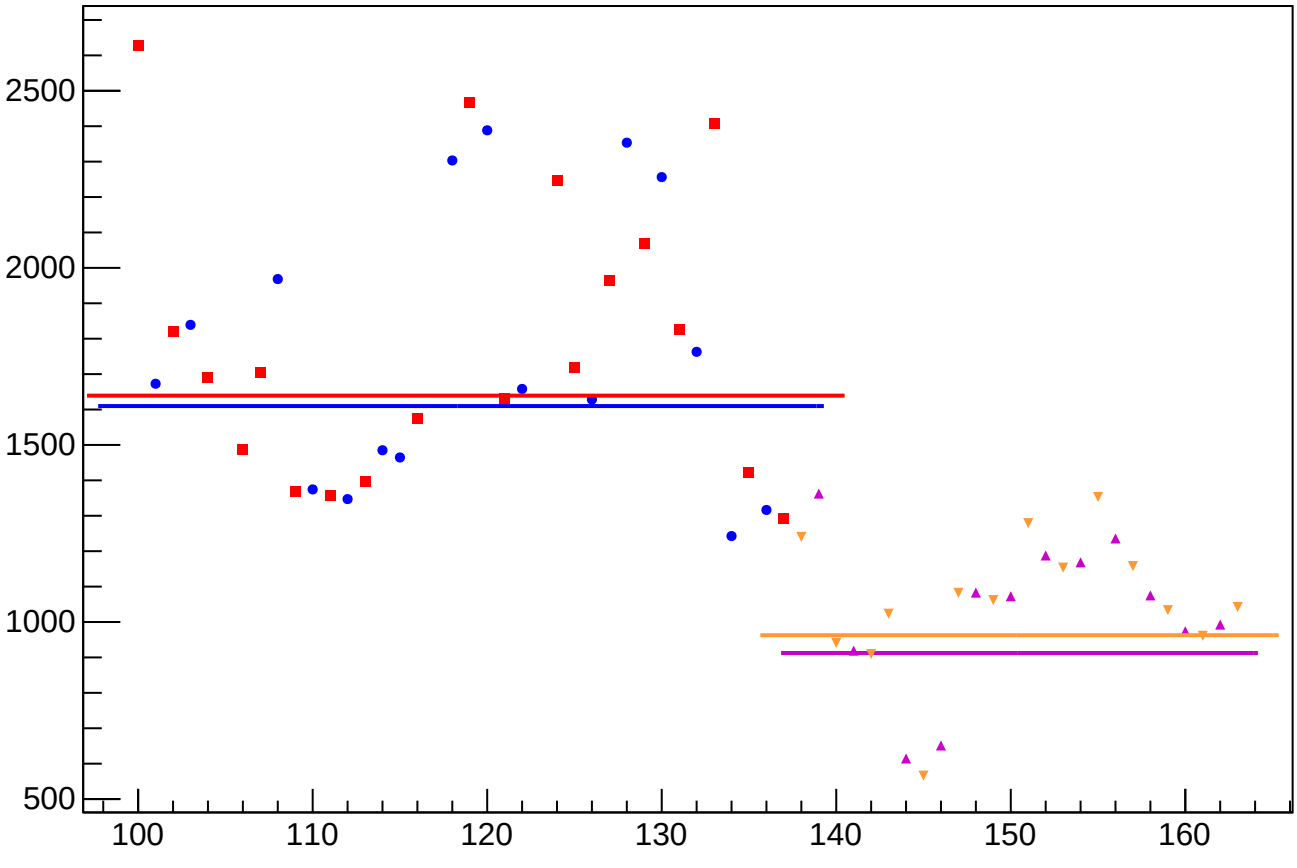
Left: -630.261+/-209.368 χ^2/NDF: 57.0/25

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -16.280+/-265.908 χ^2/NDF:34.2/27

Out: -879.259+/-267.590 χ^2/NDF:65.0/32

All: -445.049+/-188.617 χ^2/NDF: 104.5/60



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 962.732+/-0.210 χ^2/NDF:1247465.3/13

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 912.533+/-0.208 χ^2/NDF:1287626.4/11

Left: 937.409+/-0.148 χ^2/NDF: 2563832.8/25

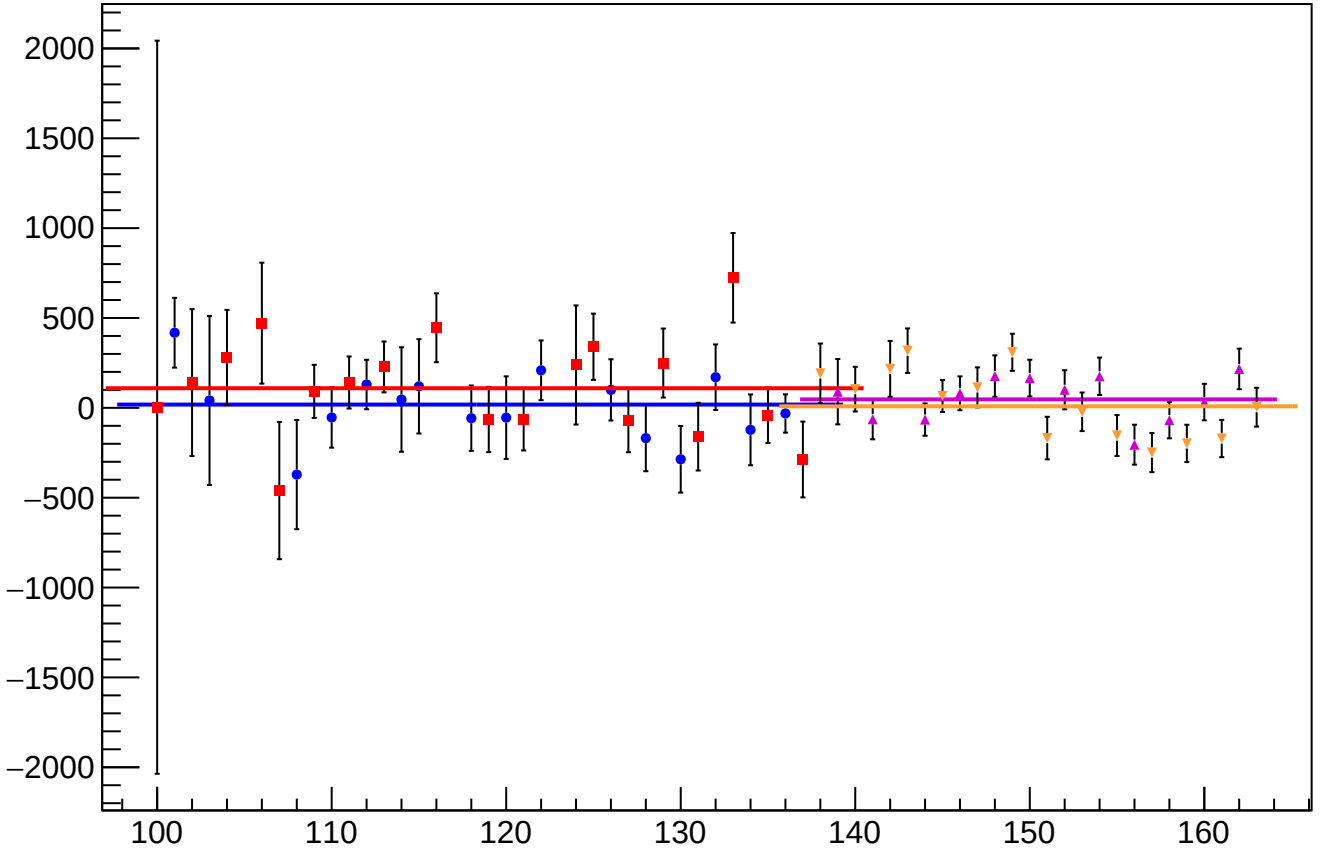
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1042.453+/-0.188 χ^2/NDF:3991622.0/27

Out: 1091.603+/-0.189 χ^2/NDF:3738887.0/32

All: 1066.873+/-0.133 χ^2/NDF: 7764458.1/60

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 47.013+/-30.889 χ^2/NDF:15.8/11

Left: 27.329+/-21.582 χ^2/NDF: 53.1/25

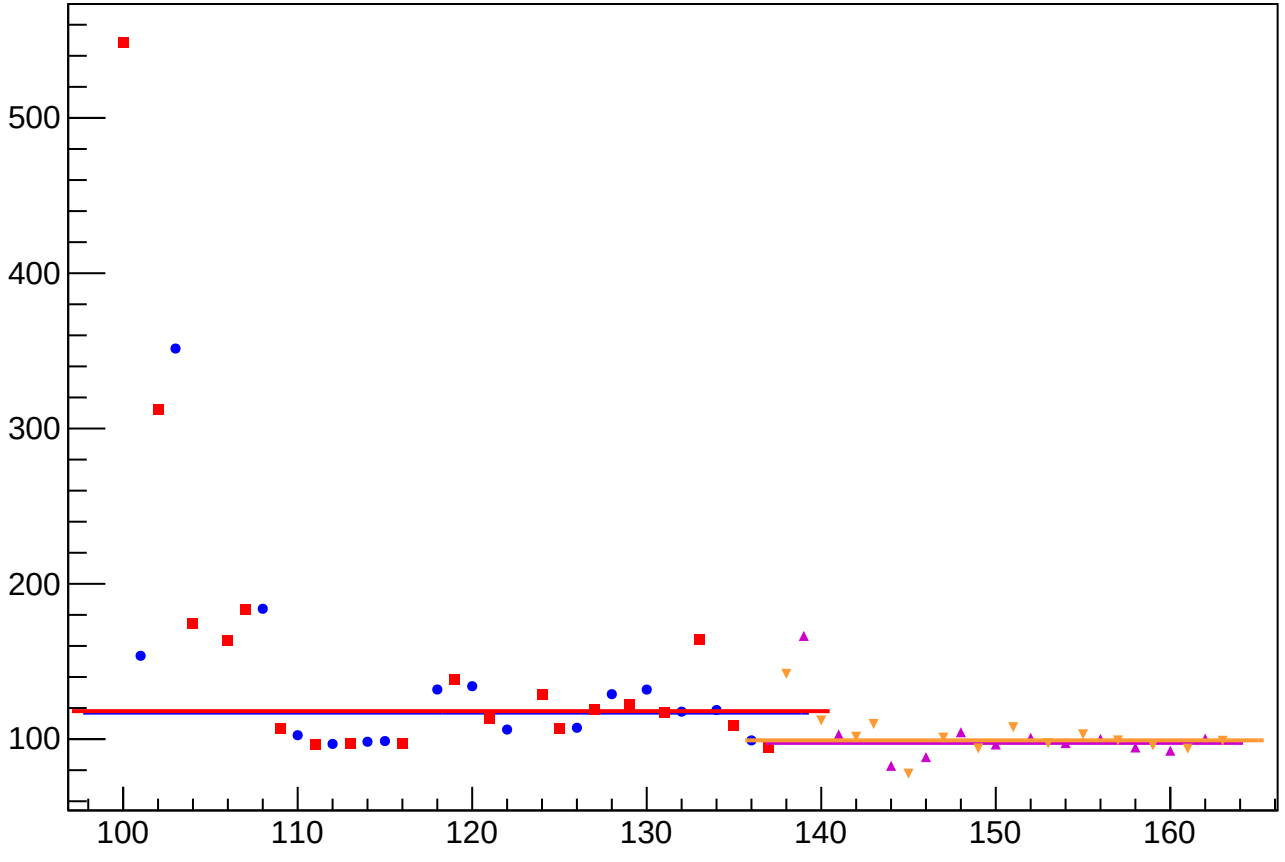
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 37.976+/-25.592 χ^2/NDF:30.0/27

Out: 38.967+/-25.198 χ^2/NDF:65.3/32

All: 38.479+/-17.956 χ^2/NDF: 95.2/60

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.593+/-0.022 χ^2/NDF:382566.2/11

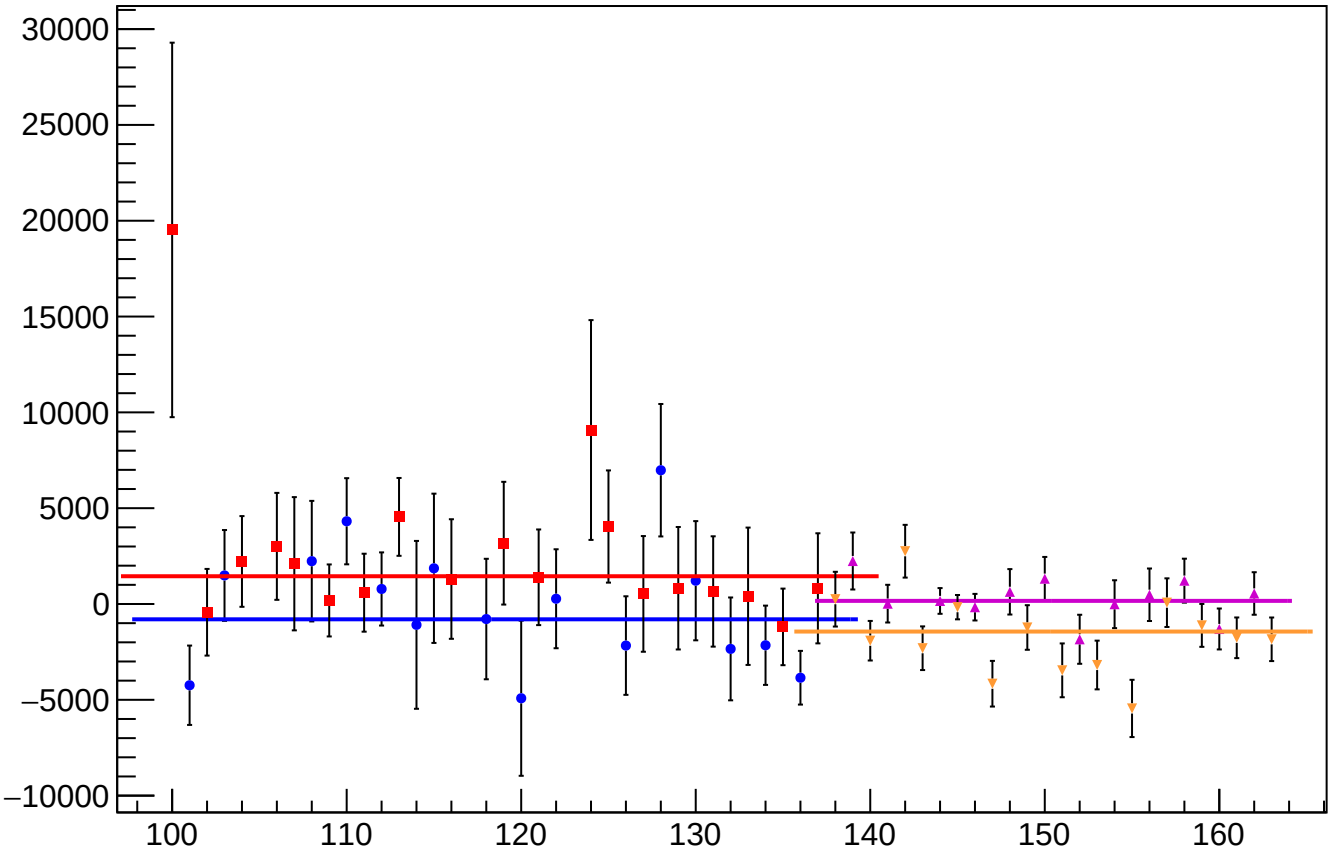
Left: 98.425+/-0.015 χ^2/NDF: 696736.0/25

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.698+/-0.018 χ^2/NDF:1490099.5/27

Out: 104.899+/-0.018 χ^2/NDF:1532373.4/32

All: 104.308+/-0.013 χ^2/NDF: 3024709.9/60



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 163.002+/-294.787 χ^2/NDF:8.8/11

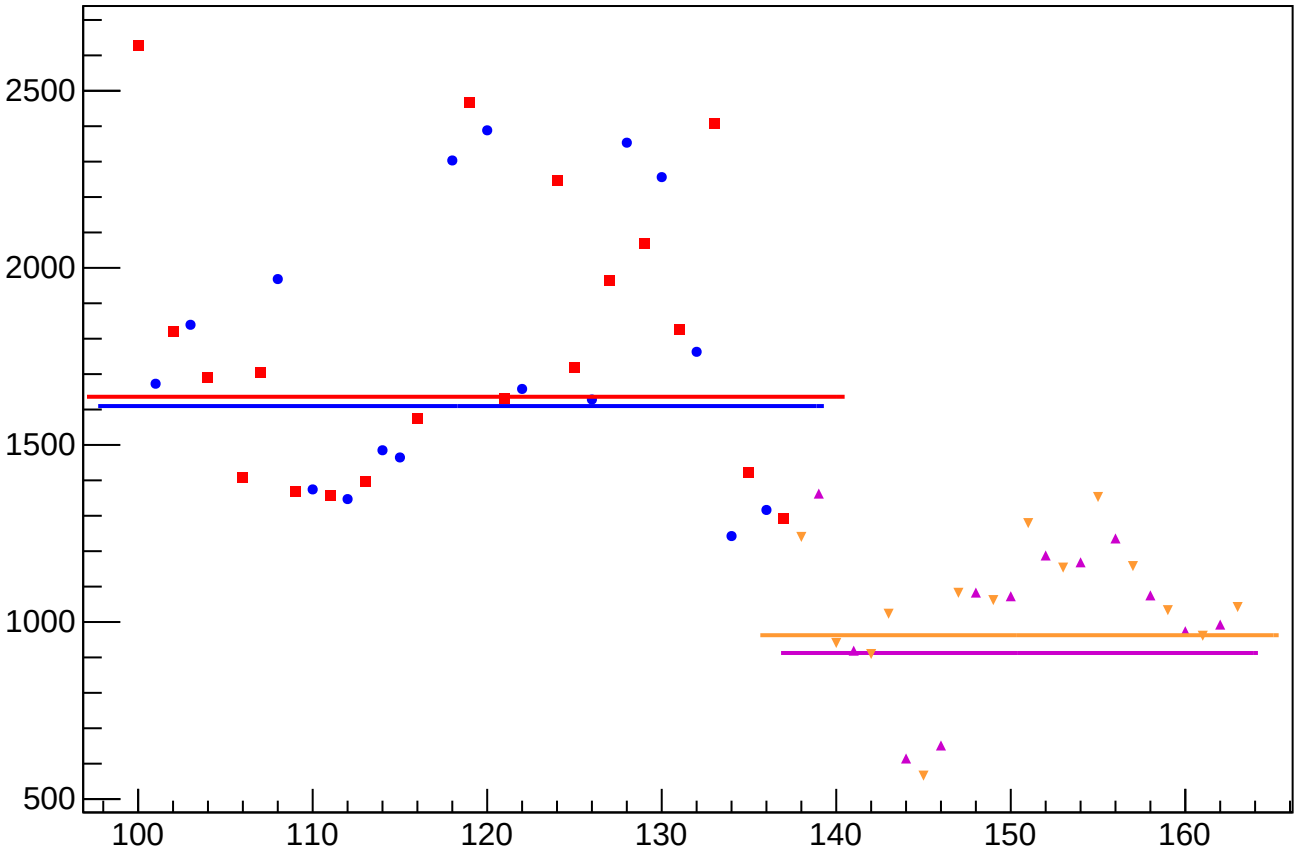
Left: -630.256+/-209.368 χ^2/NDF: 57.0/25

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -16.270+/-265.909 χ^2/NDF:34.2/27

Out: -889.865+/-267.702 χ^2/NDF:64.0/32

All: -450.133+/-188.656 χ^2/NDF: 103.5/60



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 912.532+/-0.208 χ^2/NDF:1287628.6/11

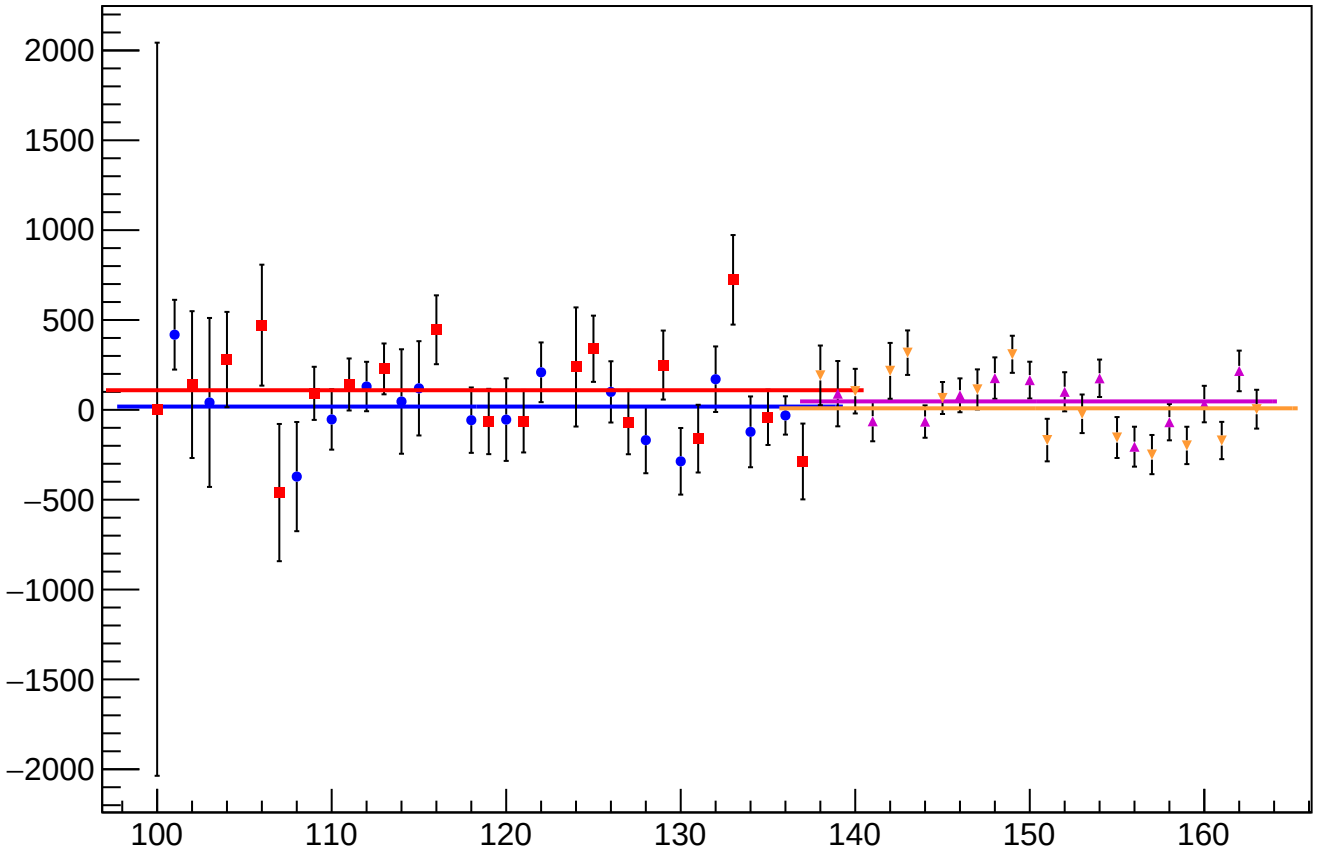
Left: 937.409+/-0.148 χ^2/NDF: 2563836.2/25

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1042.453+/-0.188 χ^2/NDF:3991686.2/27

Out: 1090.539+/-0.189 χ^2/NDF:3721018.5/32

All: 1066.334+/-0.133 χ^2/NDF: 7745186.6/60



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 8.553+/-30.168 χ^2/NDF:36.5/13

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 47.013+/-30.889 χ^2/NDF:15.8/11

Left: 27.329+/-21.582 χ^2/NDF: 53.1/25

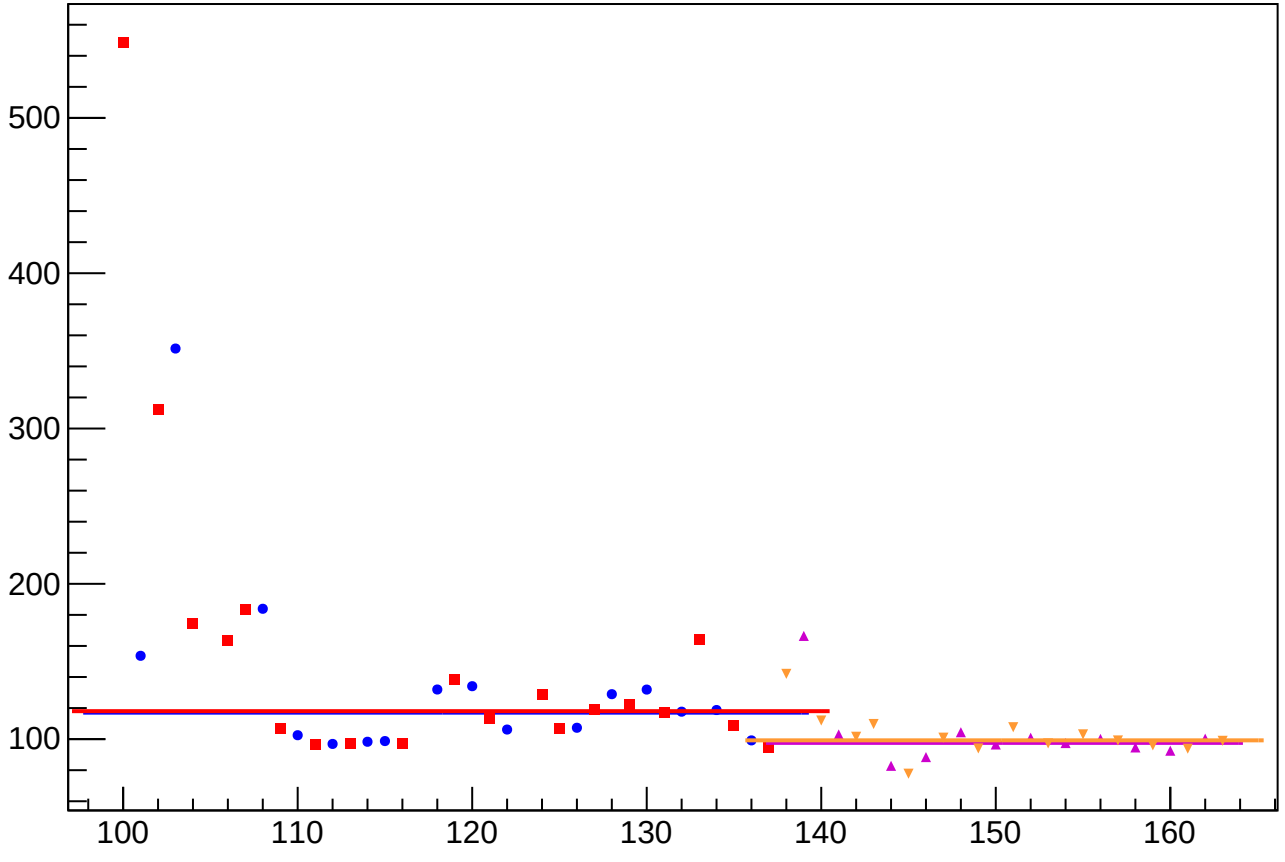
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 37.976+/-25.592 χ^2/NDF:30.0/27

Out: 38.967+/-25.198 χ^2/NDF:65.3/32

All: 38.479+/-17.956 χ^2/NDF: 95.2/60

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 99.219+/-0.021 χ^2/NDF:311334.0/13

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 97.593+/-0.022 χ^2/NDF:382566.2/11

Left: 98.425+/-0.015 χ^2/NDF: 696736.0/25

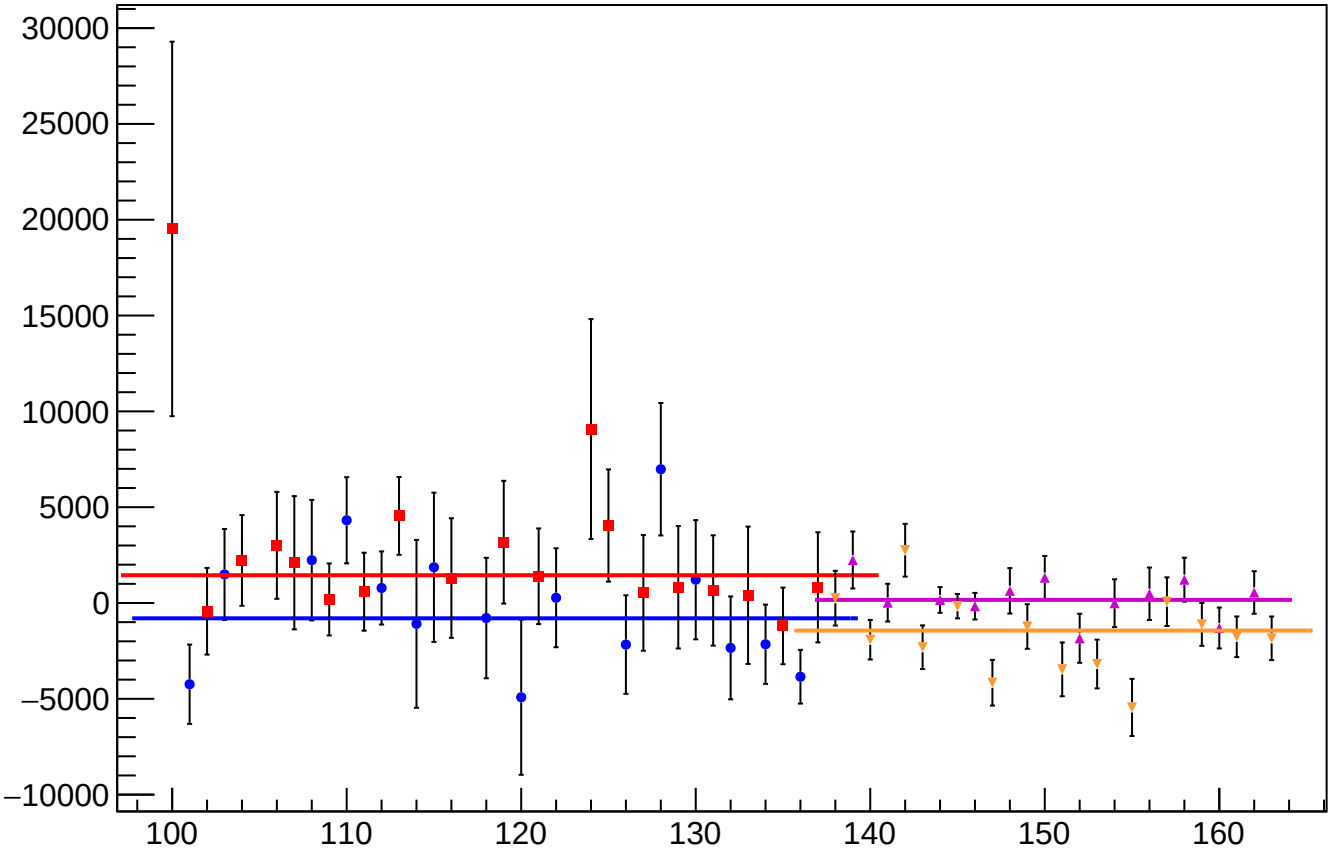
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 103.698+/-0.018 χ^2/NDF:1490099.5/27

Out: 104.899+/-0.018 χ^2/NDF:1532373.4/32

All: 104.308+/-0.013 χ^2/NDF: 3024709.9/60

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1437.708+/-297.413 χ^2/NDF:33.6/13

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 163.002+/-294.787 χ^2/NDF:8.8/11

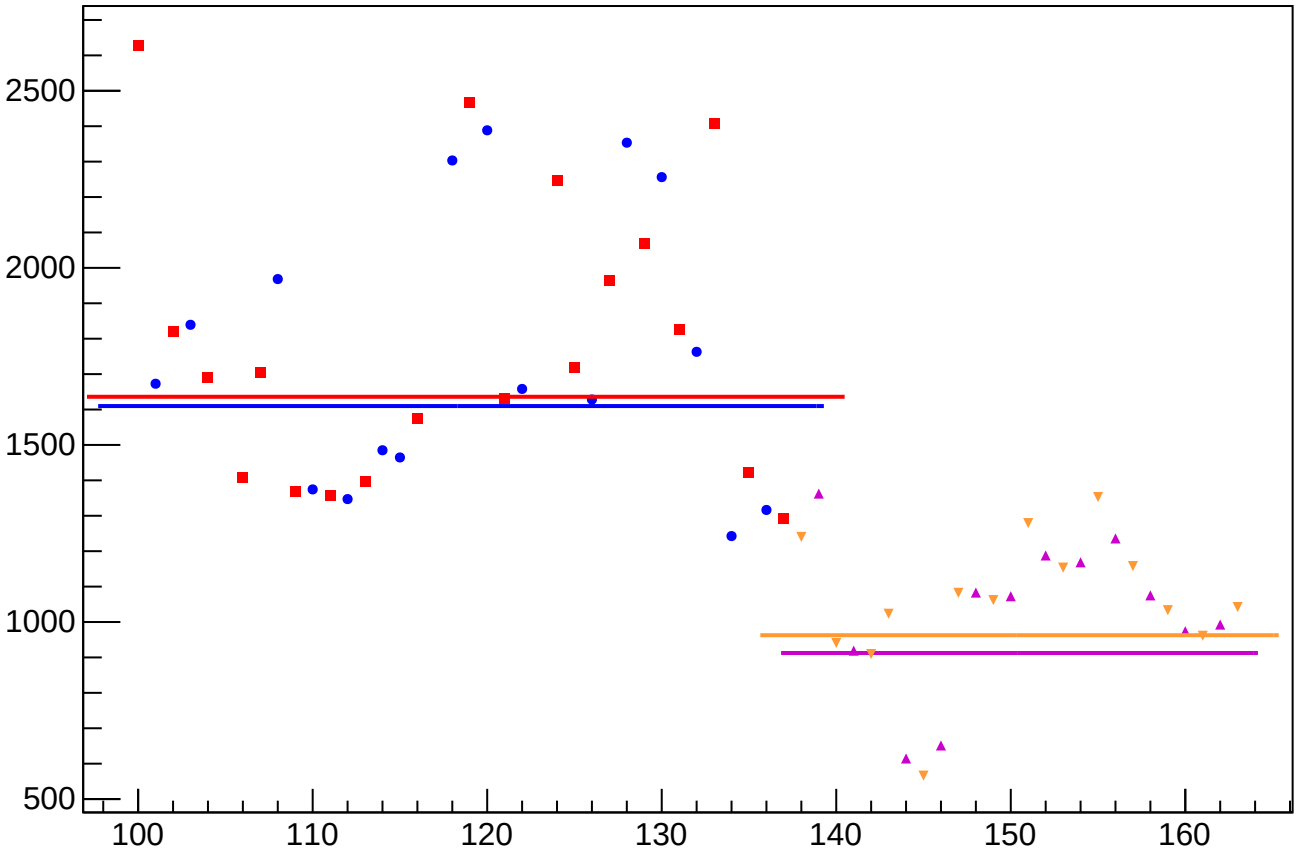
Left: -630.256+/-209.368 χ^2/NDF: 57.0/25

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -16.270+/-265.909 χ^2/NDF:34.2/27

Out: -889.865+/-267.702 χ^2/NDF:64.0/32

All: -450.133+/-188.656 χ^2/NDF: 103.5/60



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 962.731+/-0.210 χ^2/NDF:1247466.5/13

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 912.532+/-0.208 χ^2/NDF:1287628.6/11

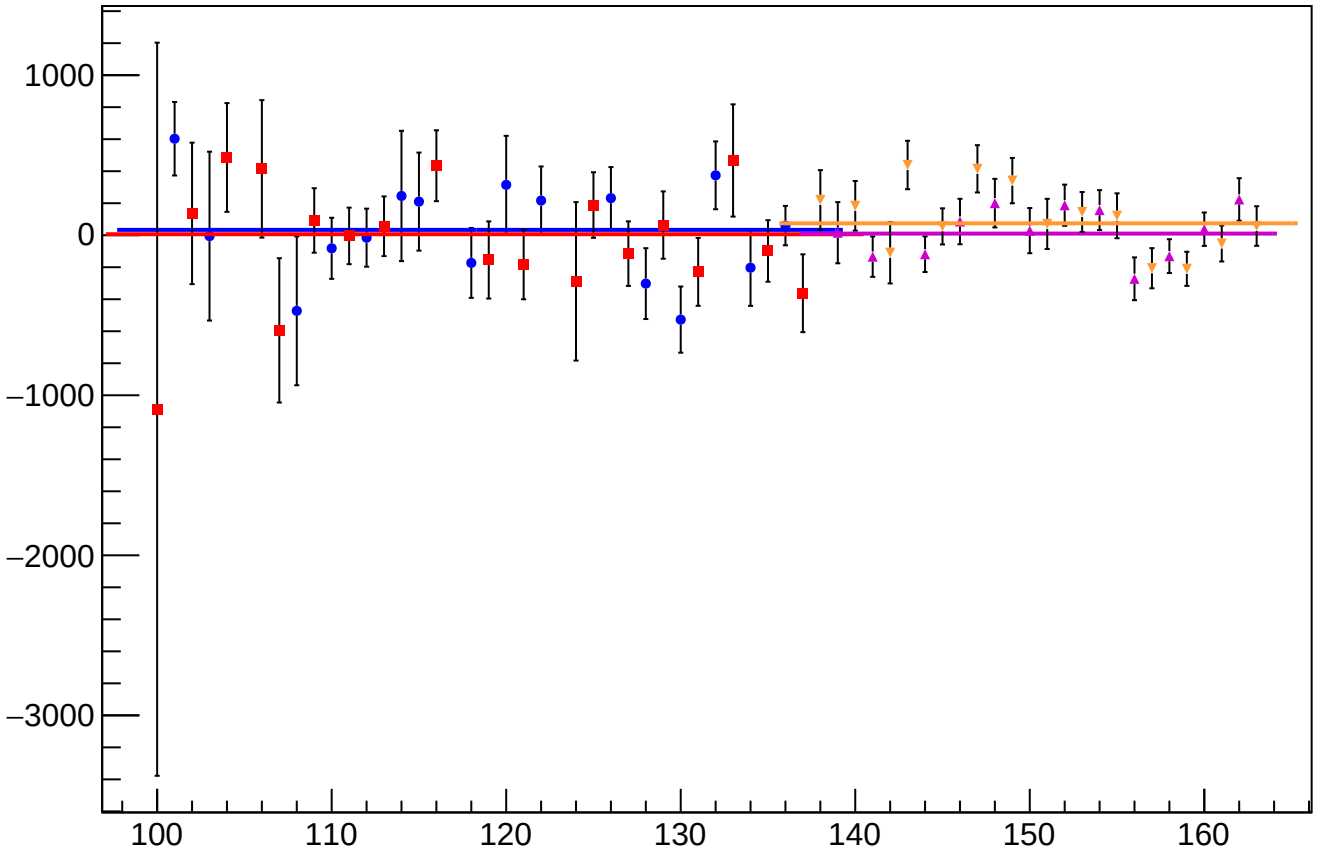
Left: 937.409+/-0.148 χ^2/NDF: 2563836.2/25

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1042.453+/-0.188 χ^2/NDF:3991686.2/27

Out: 1090.539+/-0.189 χ^2/NDF:3721018.5/32

All: 1066.334+/-0.133 χ^2/NDF: 7745186.6/60



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 74.306+/-36.096 χ^2/NDF:30.5/13

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 10.169+/-36.951 χ^2/NDF:16.7/11

Left: 42.988+/-25.821 χ^2/NDF: 48.8/25

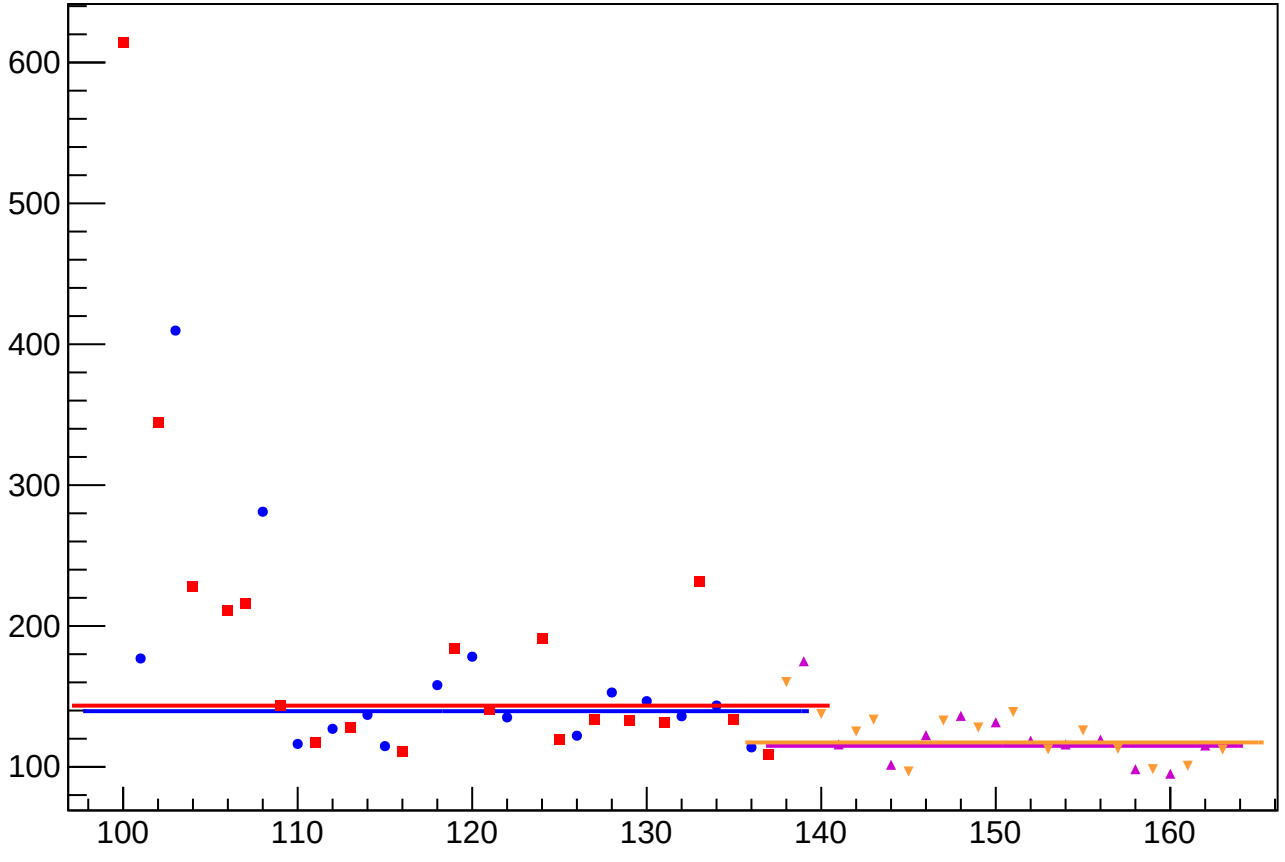
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 17.432+/-30.656 χ^2/NDF:42.0/27

Out: 54.334+/-30.354 χ^2/NDF:48.9/32

All: 36.066+/-21.569 χ^2/NDF: 91.6/60

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 117.372+/-0.026 χ^2/NDF:427349.3/13

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 114.970+/-0.026 χ^2/NDF:424544.5/11

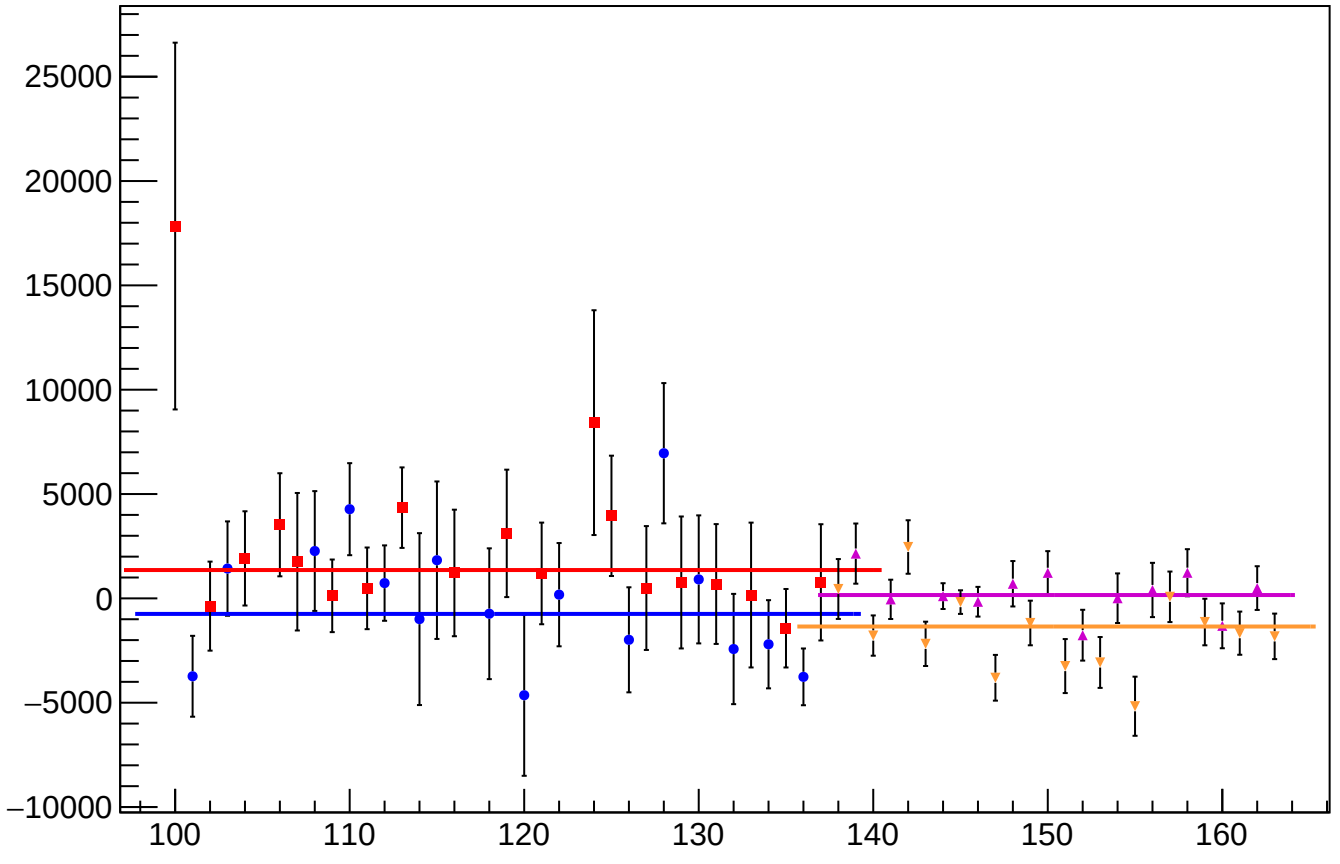
Left: 116.199+/-0.018 χ^2/NDF: 856217.0/25

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 122.637+/-0.022 χ^2/NDF:1677512.5/27

Out: 125.017+/-0.021 χ^2/NDF:1850428.5/32

All: 123.839+/-0.015 χ^2/NDF: 3534030.1/60



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 160.128+/-282.777 χ^2/NDF:8.9/11

Left: -606.373+/-198.347 χ^2/NDF: 57.0/25

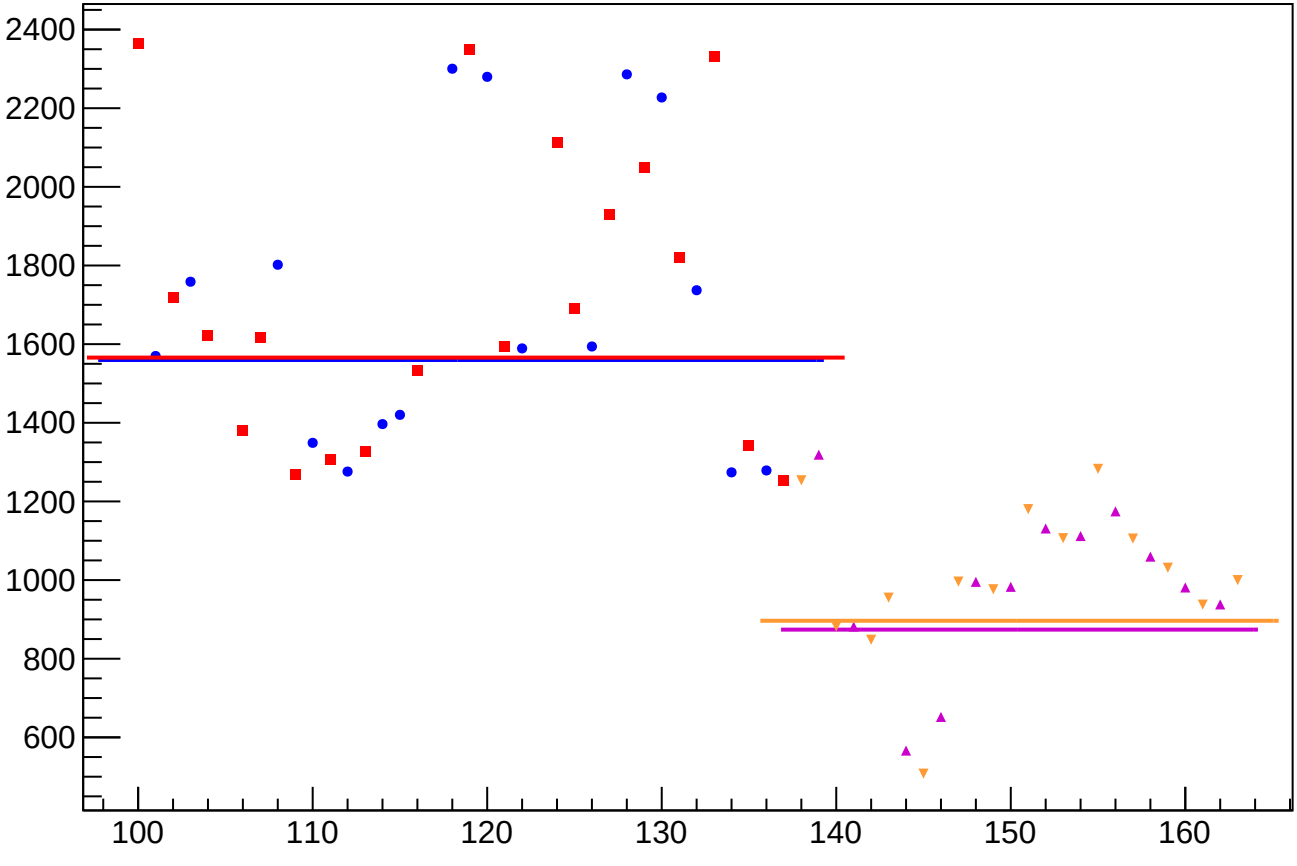
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -6.214+/-255.465 χ^2/NDF:34.2/27

Out: -850.387+/-251.366 χ^2/NDF:64.6/32

All: -435.127+/-179.174 χ^2/NDF: 104.4/60

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 896.540+/-0.197 χ^2/NDF:1518966.4/13

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 874.021+/-0.200 χ^2/NDF:1285293.9/11

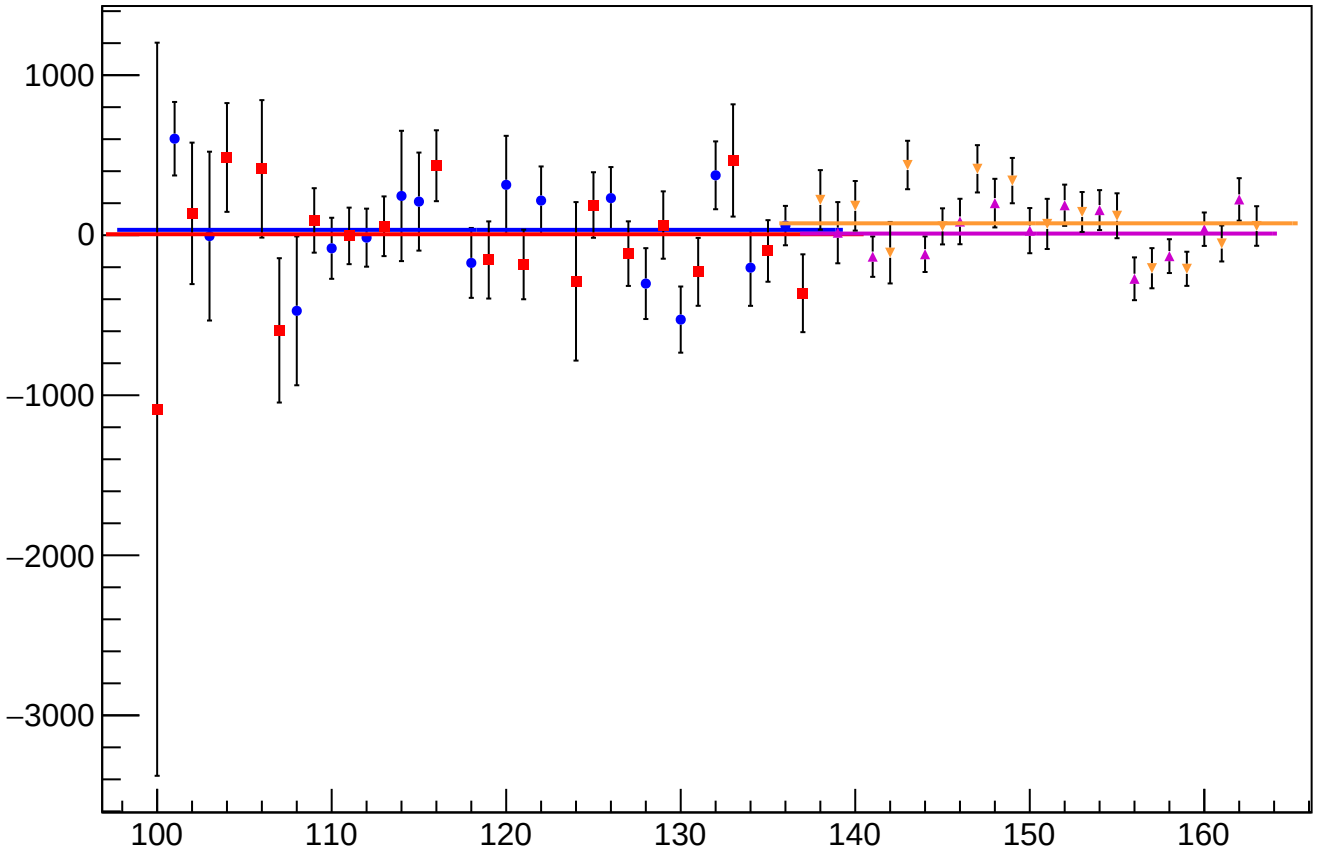
Left: 885.461+/-0.140 χ^2/NDF: 2810704.0/25

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 1000.084+/-0.181 χ^2/NDF:4051602.3/27

Out: 1019.766+/-0.178 χ^2/NDF:4212644.9/32

All: 1010.084+/-0.127 χ^2/NDF: 8270278.9/60



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 74.309+/-36.096 χ^2/NDF:30.5/13

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 10.168+/-36.951 χ^2/NDF:16.7/11

Left: 42.989+/-25.821 χ^2/NDF: 48.8/25

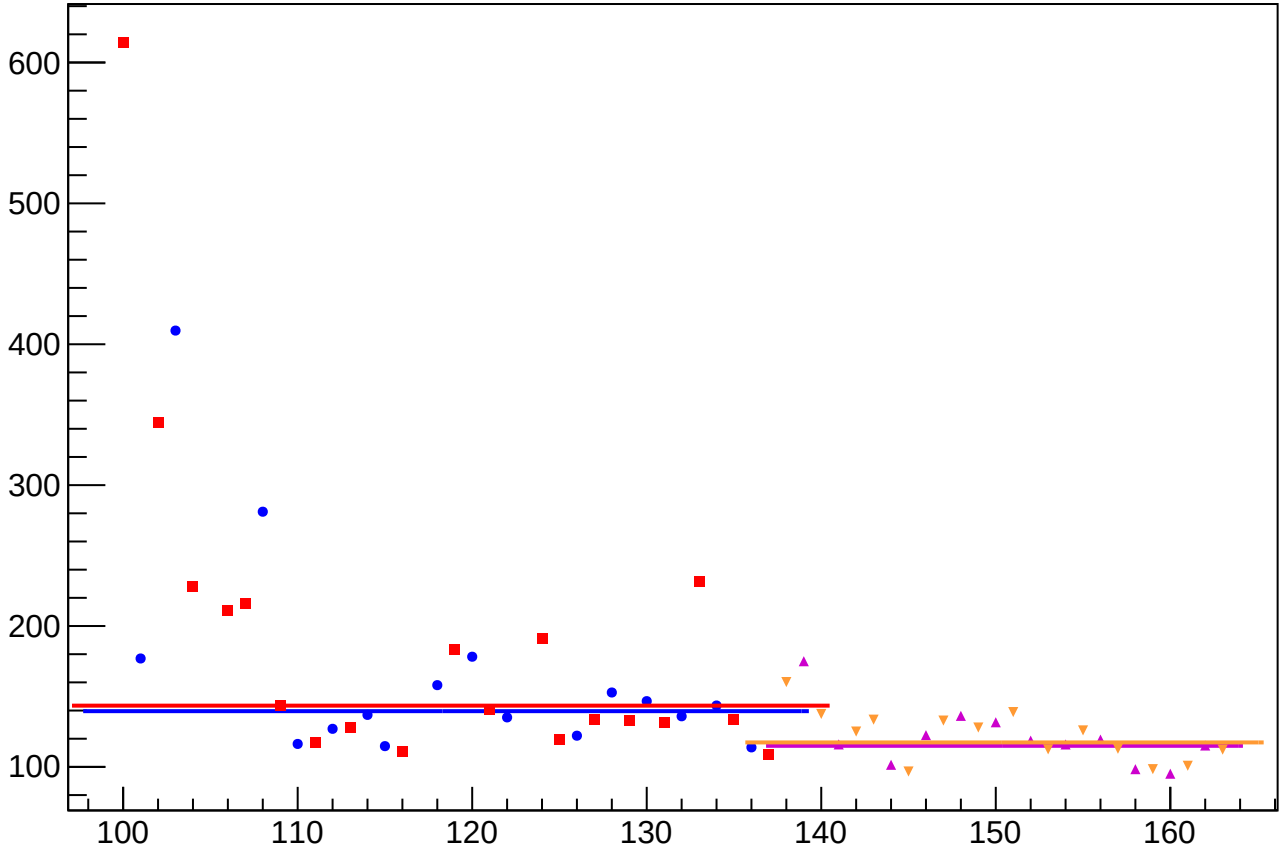
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 17.431+/-30.656 χ^2/NDF:42.0/27

Out: 54.334+/-30.354 χ^2/NDF:48.9/32

All: 36.065+/-21.569 χ^2/NDF: 91.6/60

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 117.372+/-0.026 χ^2/NDF:427364.5/13

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 114.971+/-0.026 χ^2/NDF:424553.3/11

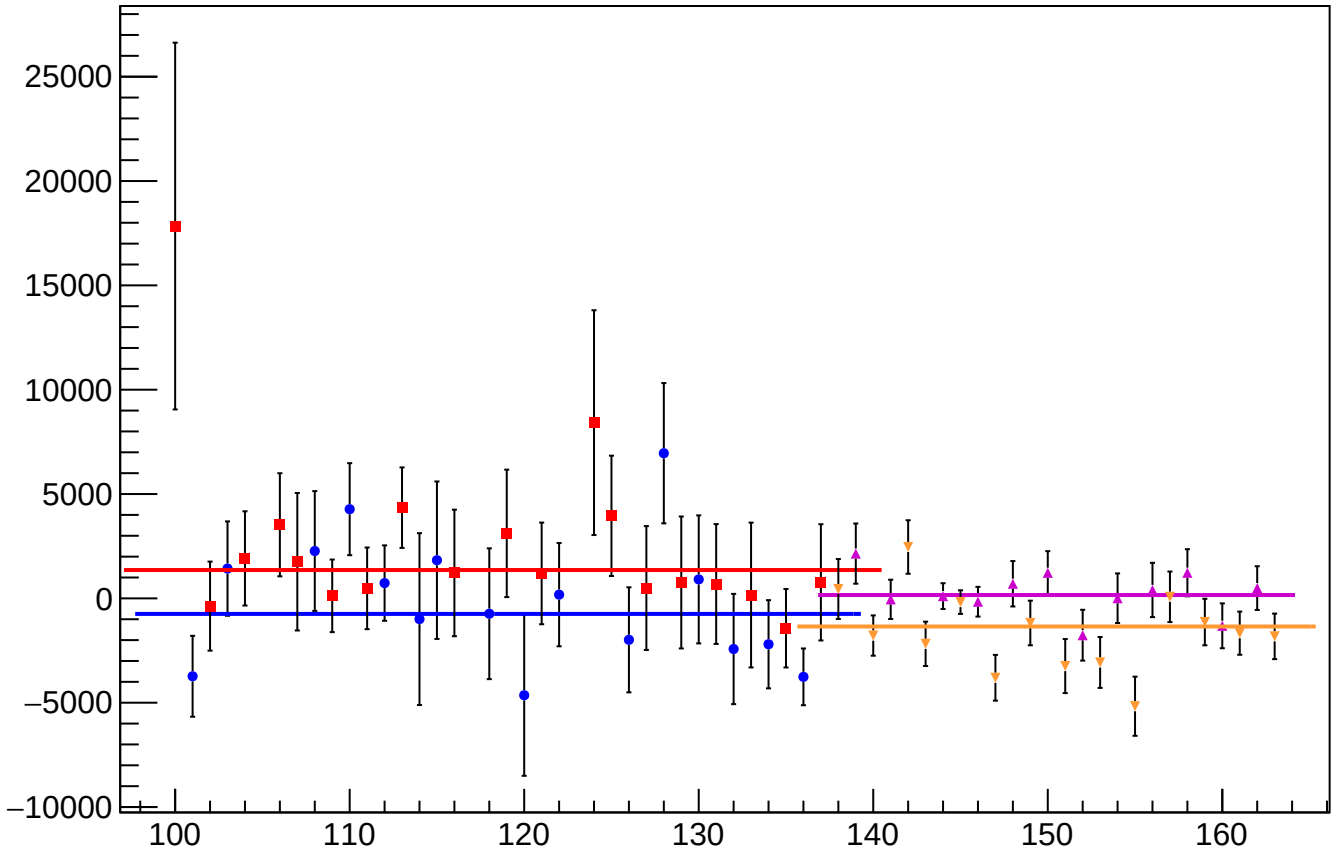
Left: 116.200+/-0.018 χ^2/NDF: 856241.3/25

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 122.638+/-0.022 χ^2/NDF:1677518.5/27

Out: 125.018+/-0.021 χ^2/NDF:1850445.7/32

All: 123.840+/-0.015 χ^2/NDF: 3534053.9/60



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1348.727+/-278.287 χ^2/NDF:33.7/13

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 160.127+/-282.776 χ^2/NDF:8.9/11

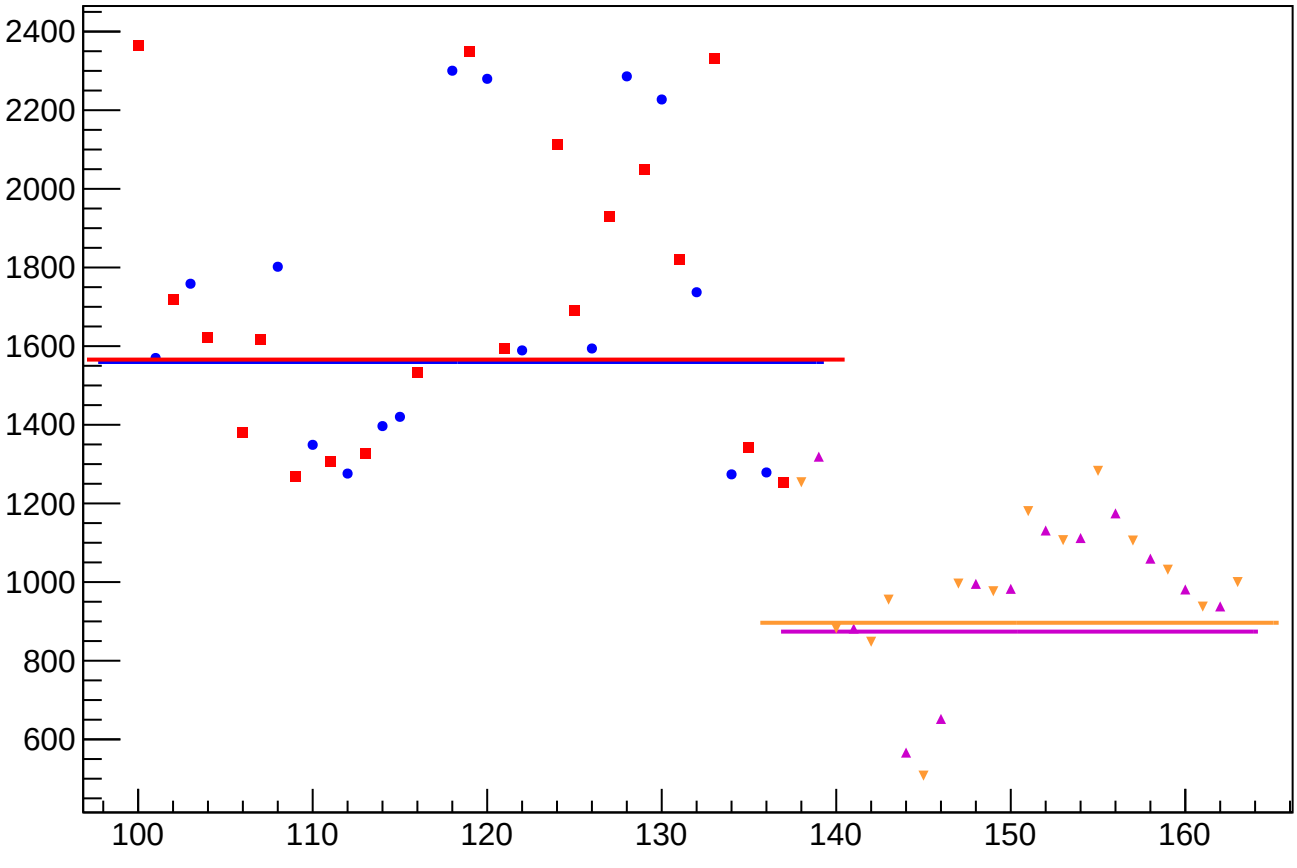
Left: -606.373+/-198.347 χ^2/NDF: 57.0/25

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -6.215+/-255.464 χ^2/NDF:34.2/27

Out: -850.387+/-251.366 χ^2/NDF:64.6/32

All: -435.127+/-179.174 χ^2/NDF: 104.4/60



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 896.539+/-0.197 χ^2/NDF:1518963.2/13

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 874.020+/-0.200 χ^2/NDF:1285291.0/11

Left: 885.460+/-0.140 χ^2/NDF: 2810697.8/25

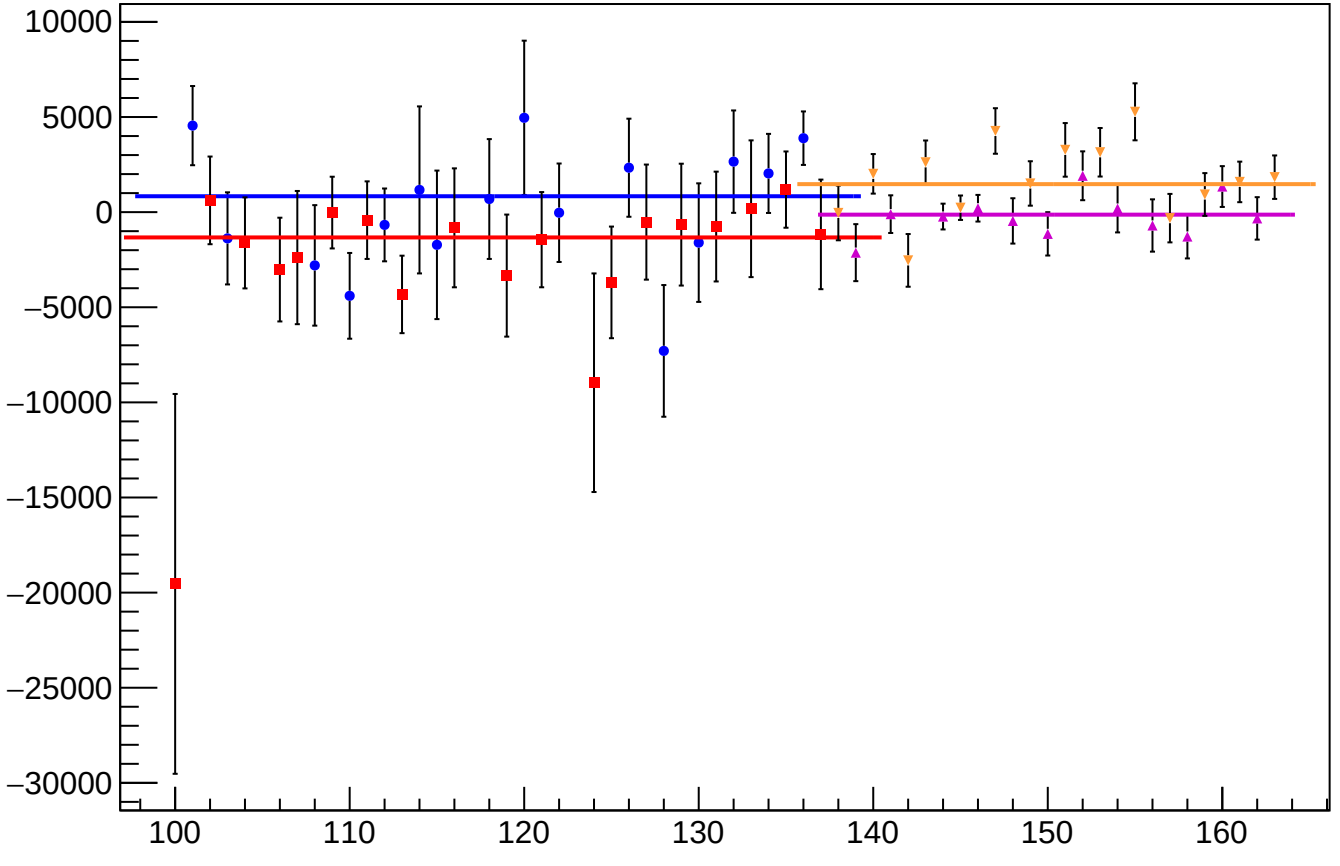
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 1000.083+/-0.181 χ^2/NDF:4051600.8/27

Out: 1019.765+/-0.178 χ^2/NDF:4212638.7/32

All: 1010.083+/-0.127 χ^2/NDF: 8270271.2/60

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1472.035+/-299.250 χ^2/NDF:32.0/13

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -132.434+/-296.759 χ^2/NDF:8.6/11

Left: 663.095+/-210.715 χ^2/NDF: 55.1/25

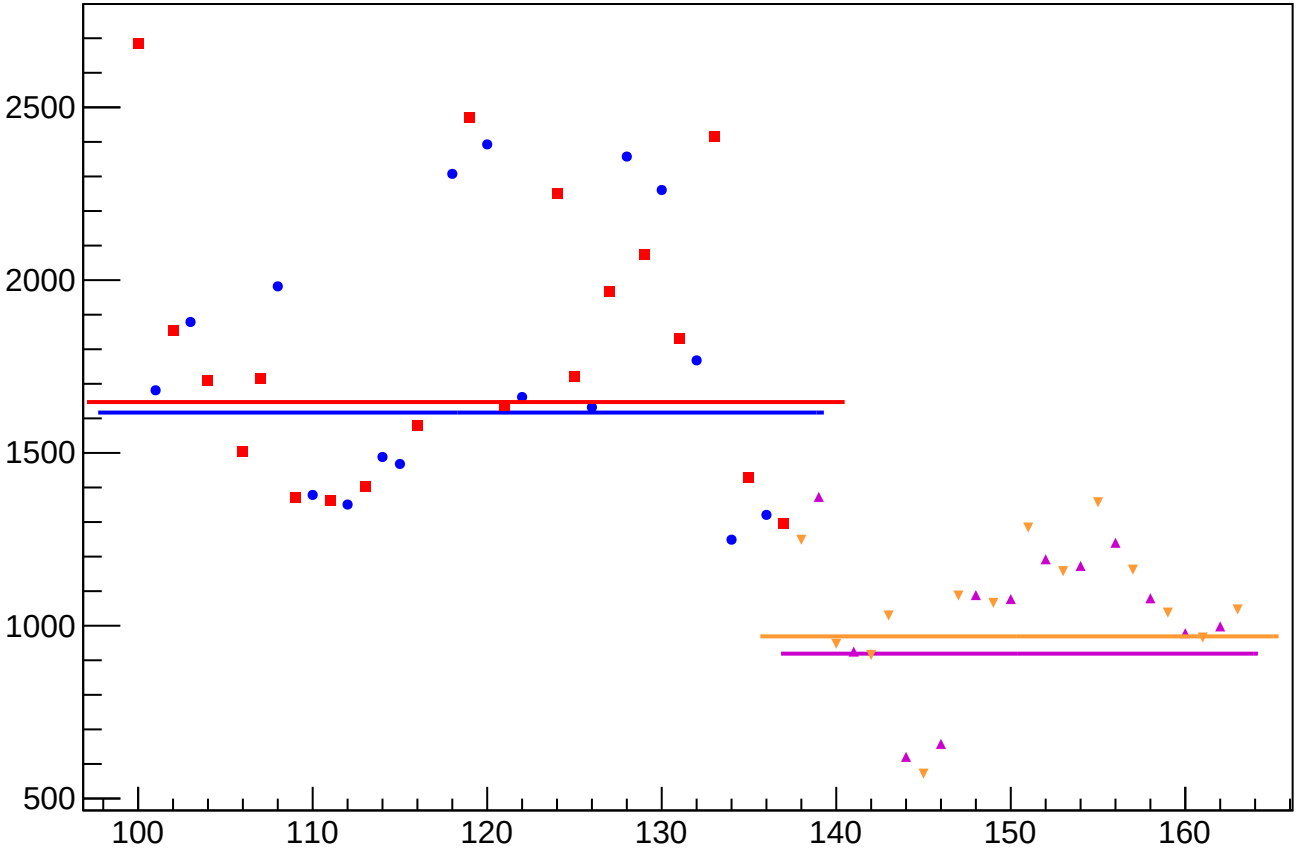
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 48.563+/-267.578 χ^2/NDF:35.5/27

Out: 937.713+/-269.205 χ^2/NDF:60.9/32

All: 490.444+/-189.779 χ^2/NDF: 101.8/60

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 969.158+/-0.212 χ^2/NDF:1224336.9/13

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 919.192+/-0.210 χ^2/NDF:1264676.3/11

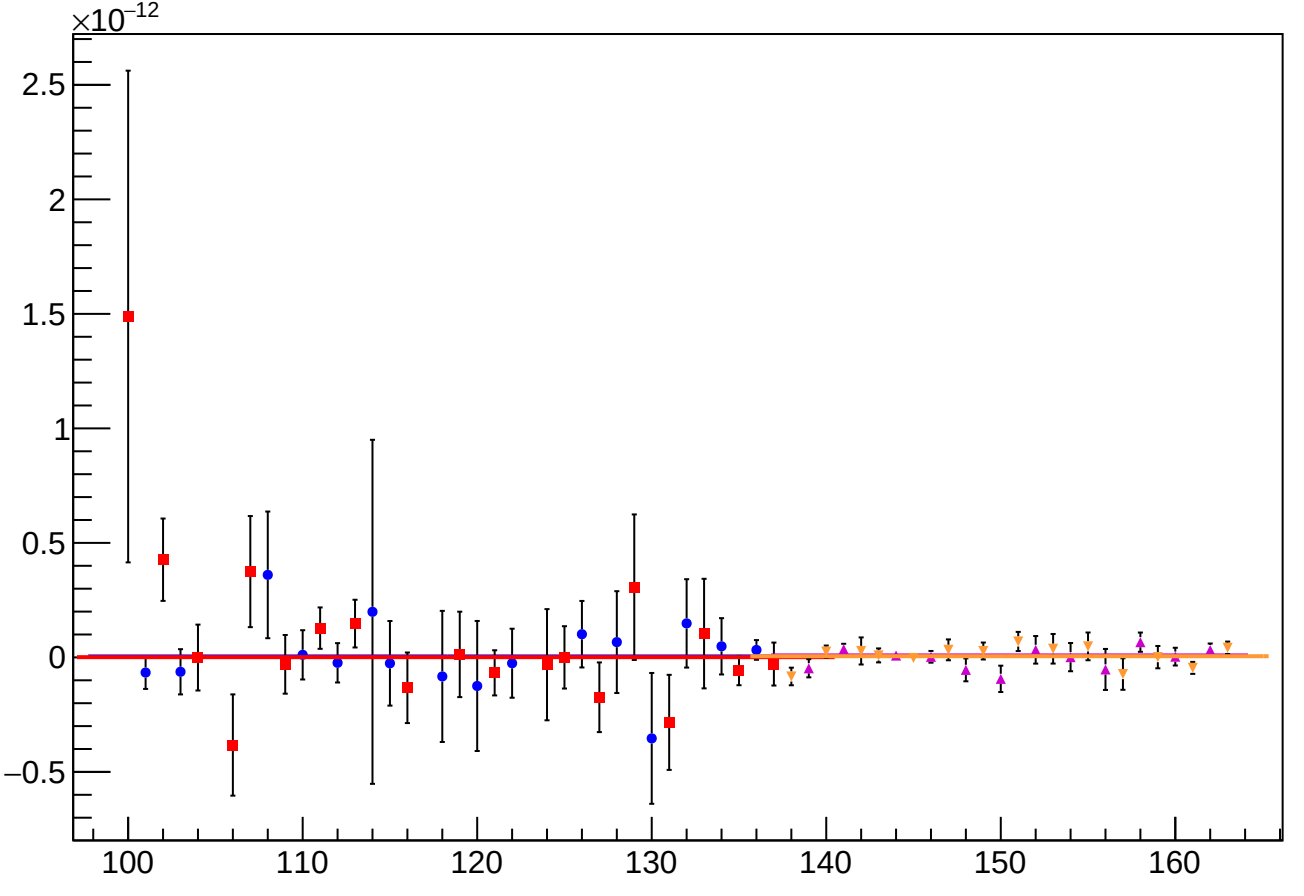
Left: 943.966+/-0.149 χ^2/NDF: 2517125.4/25

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1049.641+/-0.189 χ^2/NDF:3953652.7/27

Out: 1098.481+/-0.190 χ^2/NDF:3706641.7/32

All: 1073.913+/-0.134 χ^2/NDF: 7693407.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/11

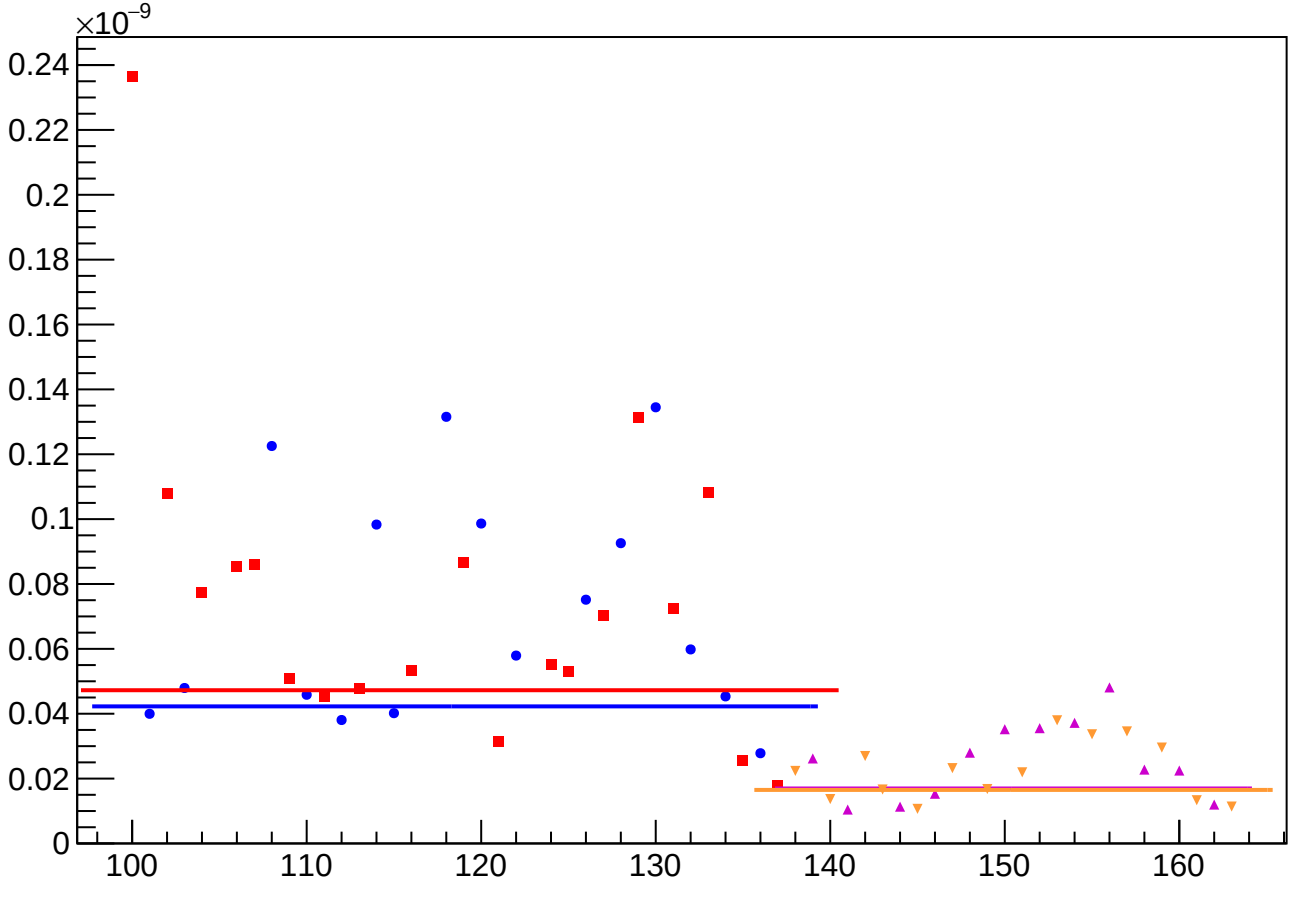
Left: 0.000+/-0.000 χ^2/NDF: 28.4/25

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:18.2/27

Out: 0.000+/-0.000 χ^2/NDF:40.4/32

All: 0.000+/-0.000 χ^2/NDF: 58.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1172714.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1546558.6/11

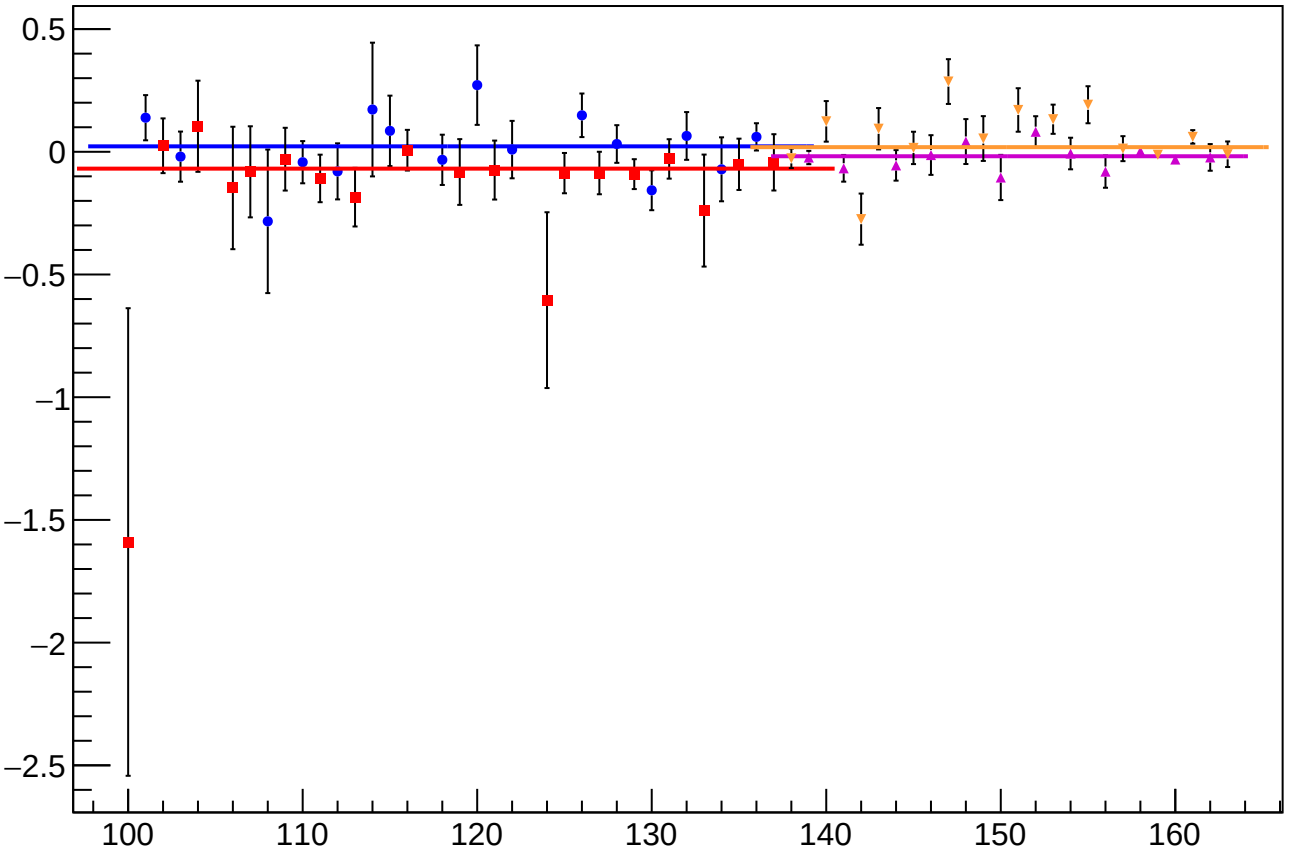
Left: 0.000+/-0.000 χ^2/NDF: 2721516.9/25

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:4230111.3/27

Out: 0.000+/-0.000 χ^2/NDF:4472359.3/32

All: 0.000+/-0.000 χ^2/NDF: 8708950.2/60



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/11

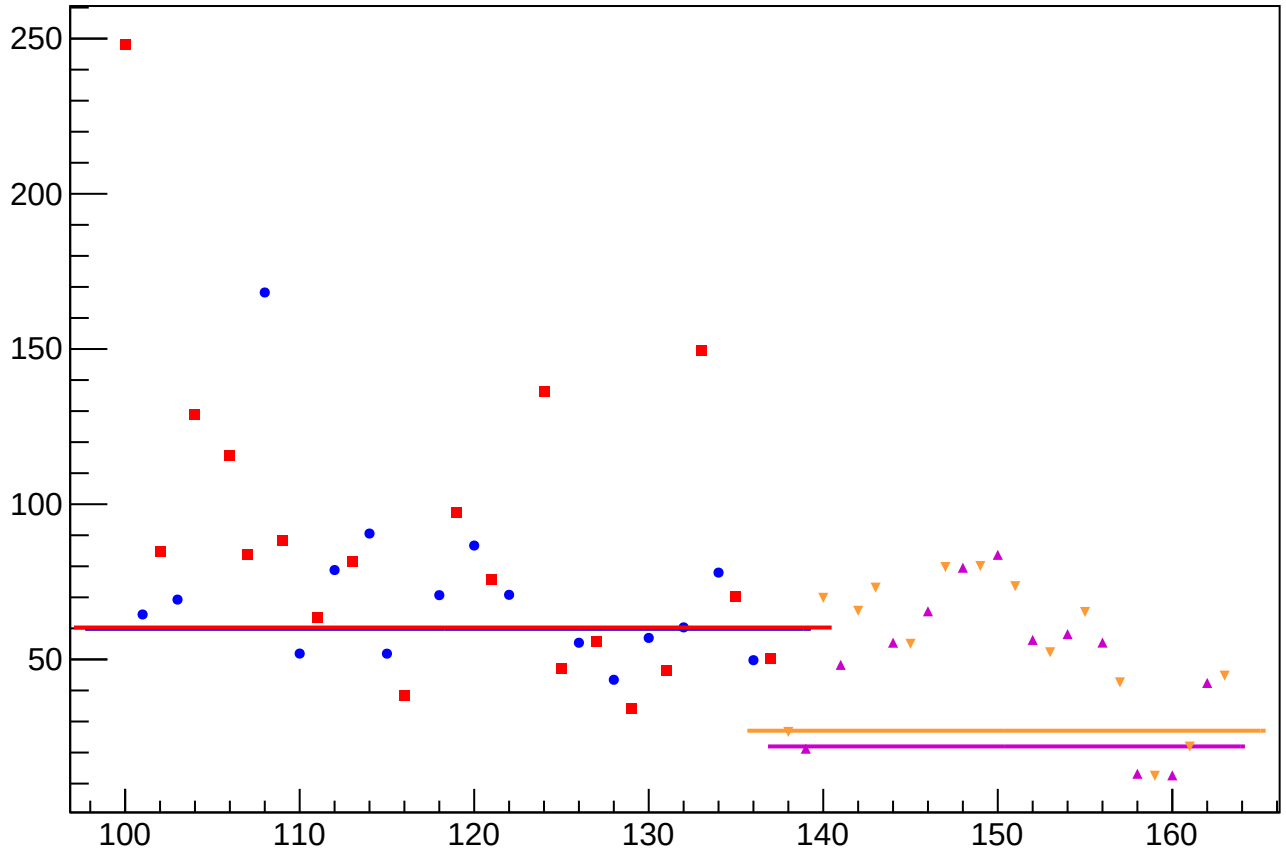
Left: -0.002+/-0.007 χ^2/NDF: 53.5/25

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/27

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.005+/-0.007 χ^2/NDF: 86.3/60



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 21.970+/-0.007 χ^2/NDF:6595881.8/11

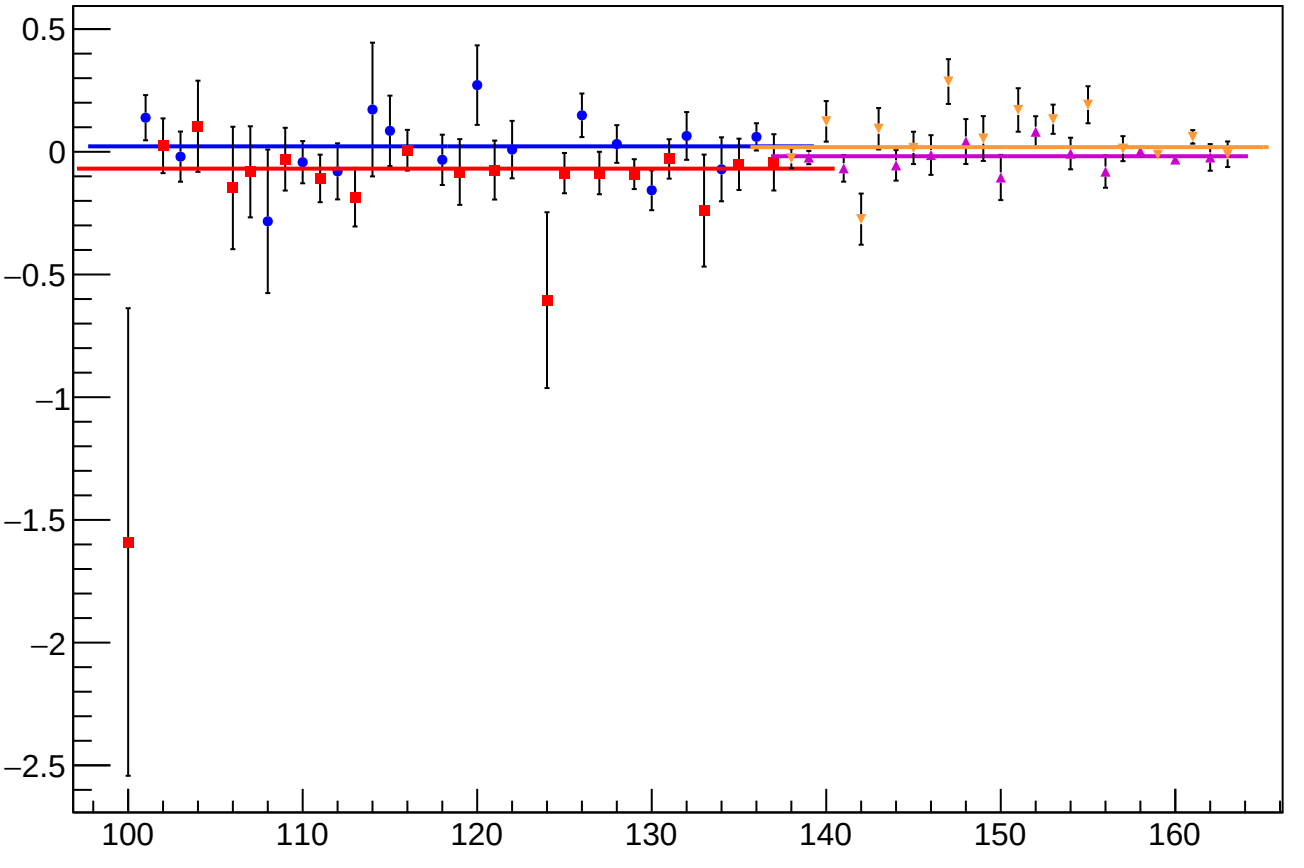
Left: 24.144+/-0.005 χ^2/NDF: 13631217.5/25

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.869+/-0.006 χ^2/NDF:11402903.5/27

Out: 32.294+/-0.007 χ^2/NDF:11681157.6/32

All: 29.243+/-0.005 χ^2/NDF: 23411323.2/60



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/11

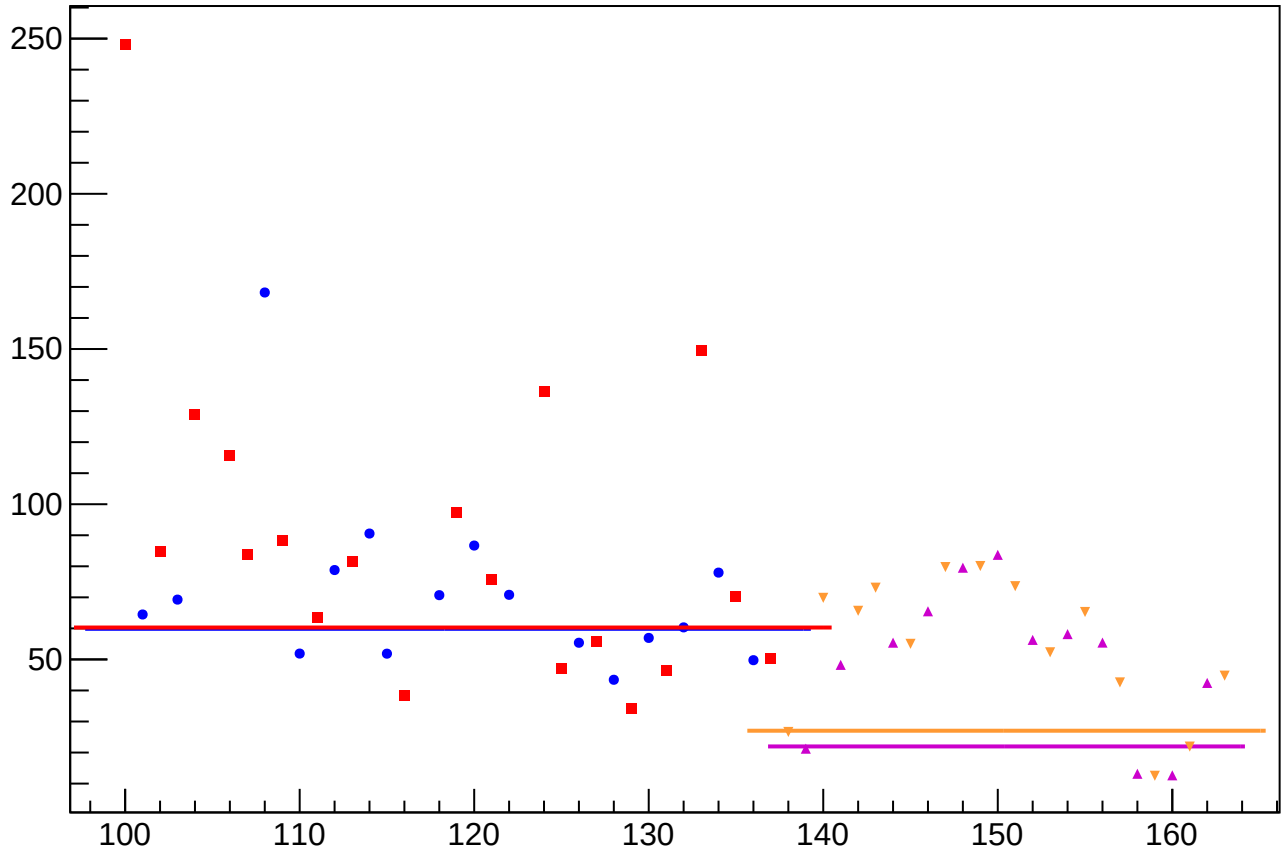
Left: -0.002+/-0.007 χ^2/NDF: 53.5/25

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/27

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.005+/-0.007 χ^2/NDF: 86.3/60



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 27.032+/-0.008 χ^2/NDF:6791874.5/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 21.970+/-0.007 χ^2/NDF:6595881.8/11

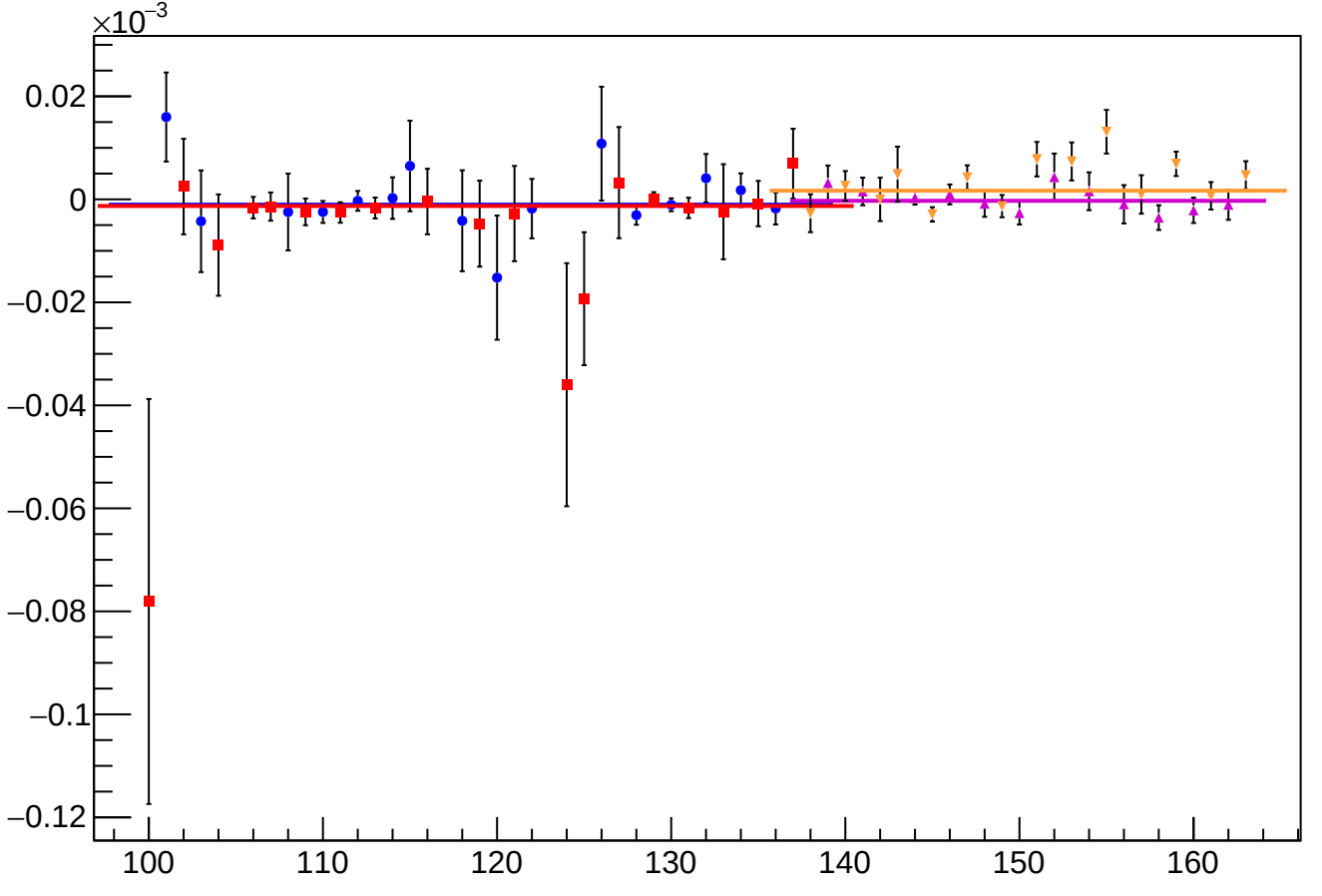
Left: 24.144+/-0.005 χ^2/NDF: 13631217.5/25

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.869+/-0.006 χ^2/NDF:11402903.5/27

Out: 32.294+/-0.007 χ^2/NDF:11681157.6/32

All: 29.243+/-0.005 χ^2/NDF: 23411323.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/11

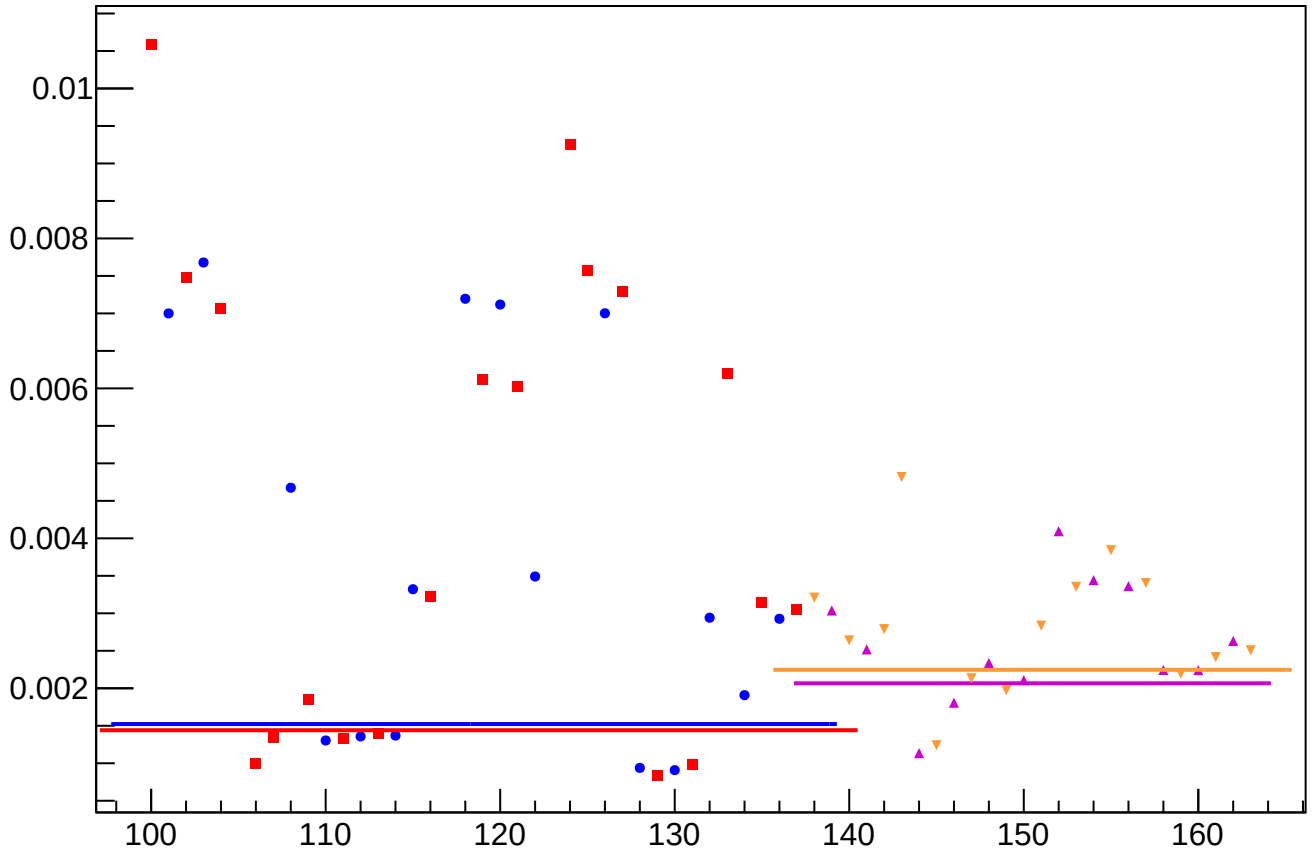
Left: 0.000+/-0.000 χ^2/NDF: 46.2/25

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:18.9/27

Out: 0.000+/-0.000 χ^2/NDF:56.5/32

All: -0.000+/-0.000 χ^2/NDF: 76.6/60



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:2486876.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2306692.9/11

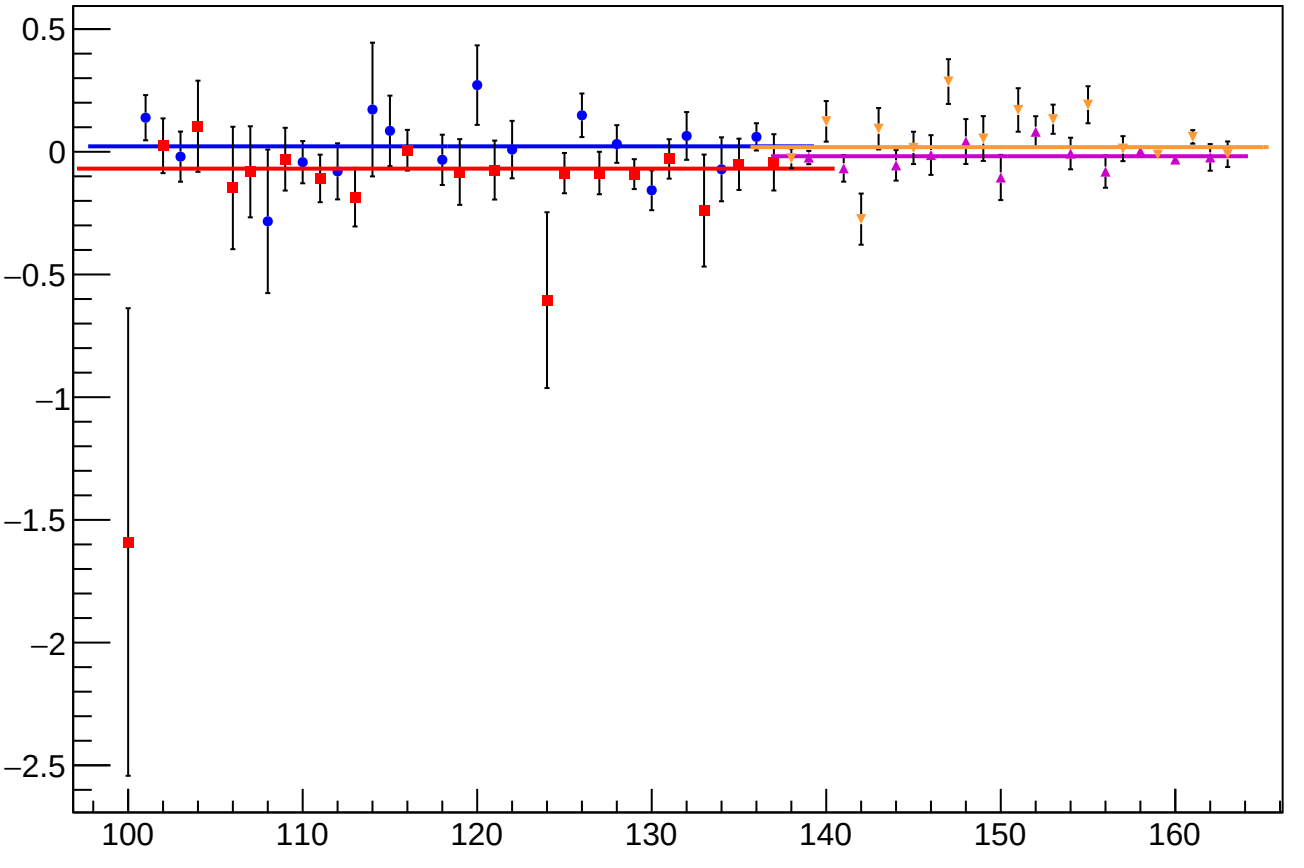
Left: 0.002+/-0.000 χ^2/NDF: 4858525.8/25

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8065740.1/27

Out: 0.002+/-0.000 χ^2/NDF:9567535.1/32

All: 0.002+/-0.000 χ^2/NDF: 17634862.3/60



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/11

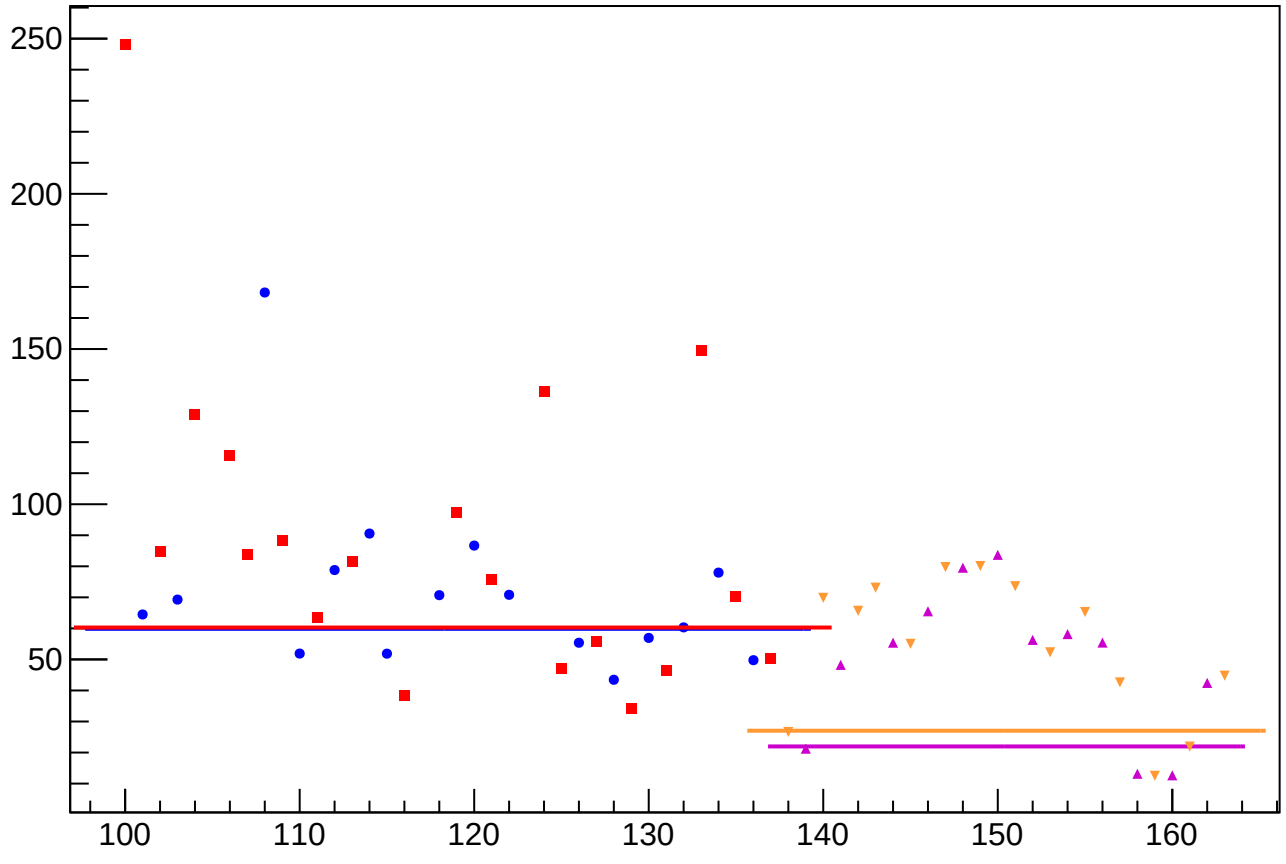
Left: -0.002+/-0.007 χ^2/NDF: 53.5/25

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/27

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.005+/-0.007 χ^2/NDF: 86.3/60



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.030+/-0.008 χ^2/NDF:6792855.4/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.969+/-0.007 χ^2/NDF:6596225.6/11

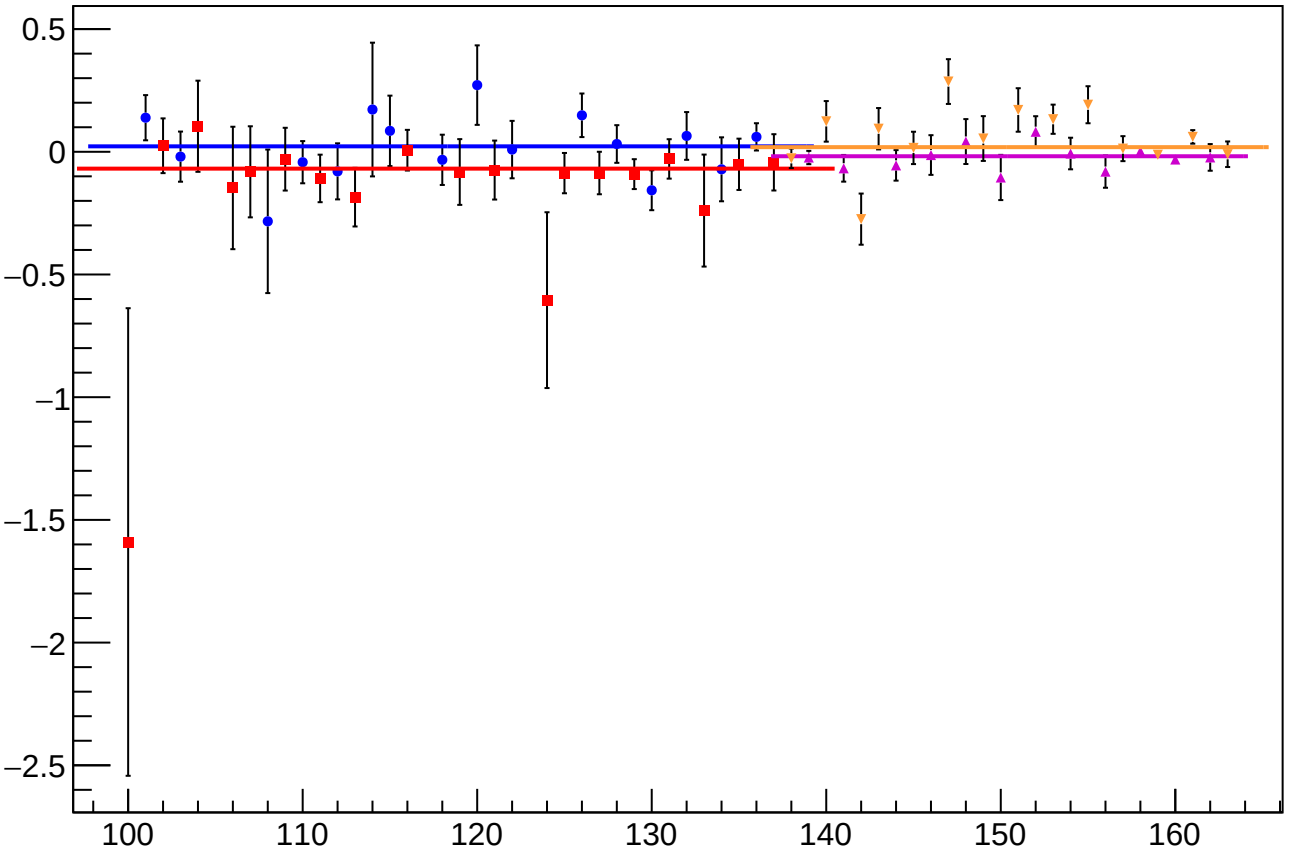
Left: 24.142+/-0.005 χ^2/NDF: 13632402.4/25

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.868+/-0.006 χ^2/NDF:11403535.9/27

Out: 32.291+/-0.007 χ^2/NDF:11682686.4/32

All: 29.242+/-0.005 χ^2/NDF: 23413314.0/60



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.8/13

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.018+/-0.010 χ^2/NDF:8.2/11

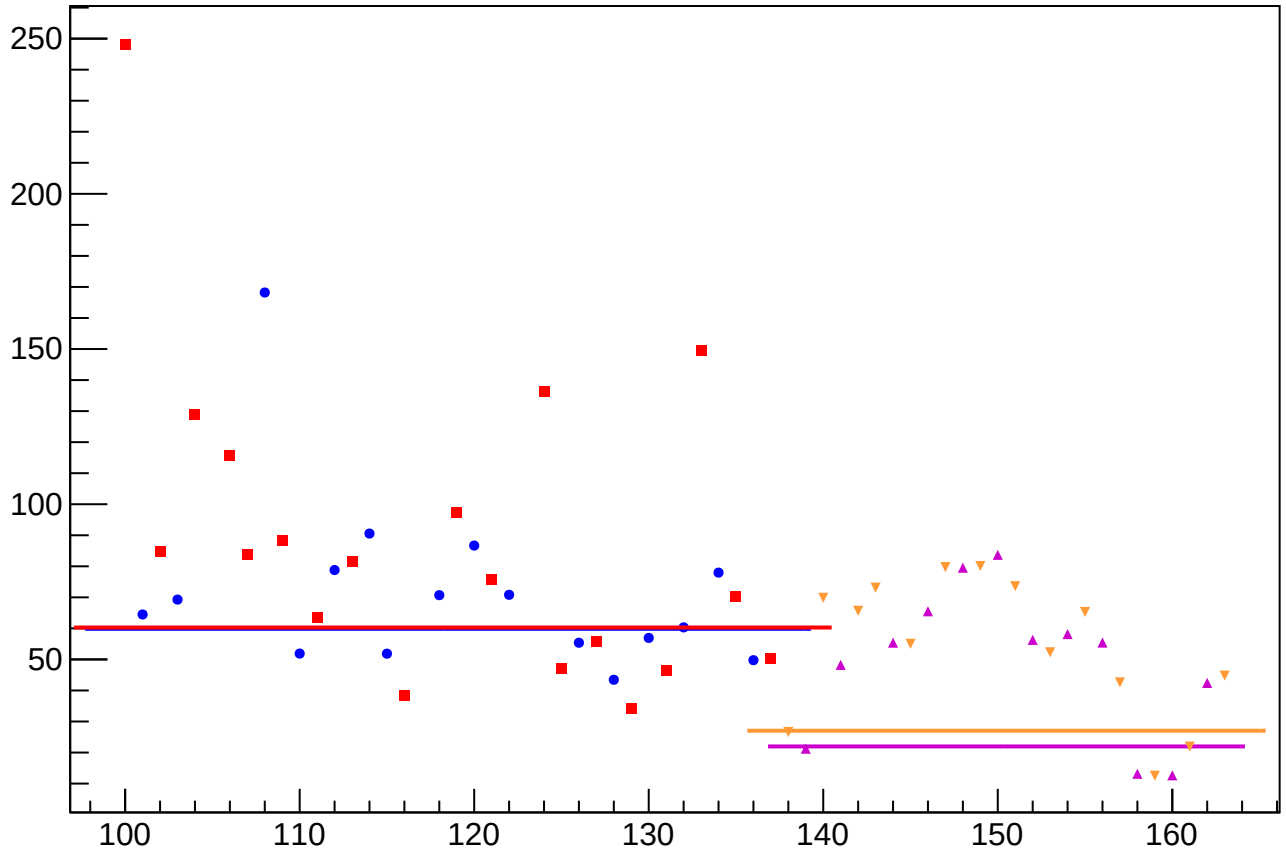
Left: -0.002+/-0.007 χ^2/NDF: 53.5/25

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.013+/-0.009 χ^2/NDF:26.0/27

Out: 0.005+/-0.010 χ^2/NDF:58.5/32

All: -0.005+/-0.007 χ^2/NDF: 86.3/60



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 27.030+/-0.008 χ^2/NDF:6792855.4/13

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 21.969+/-0.007 χ^2/NDF:6596225.6/11

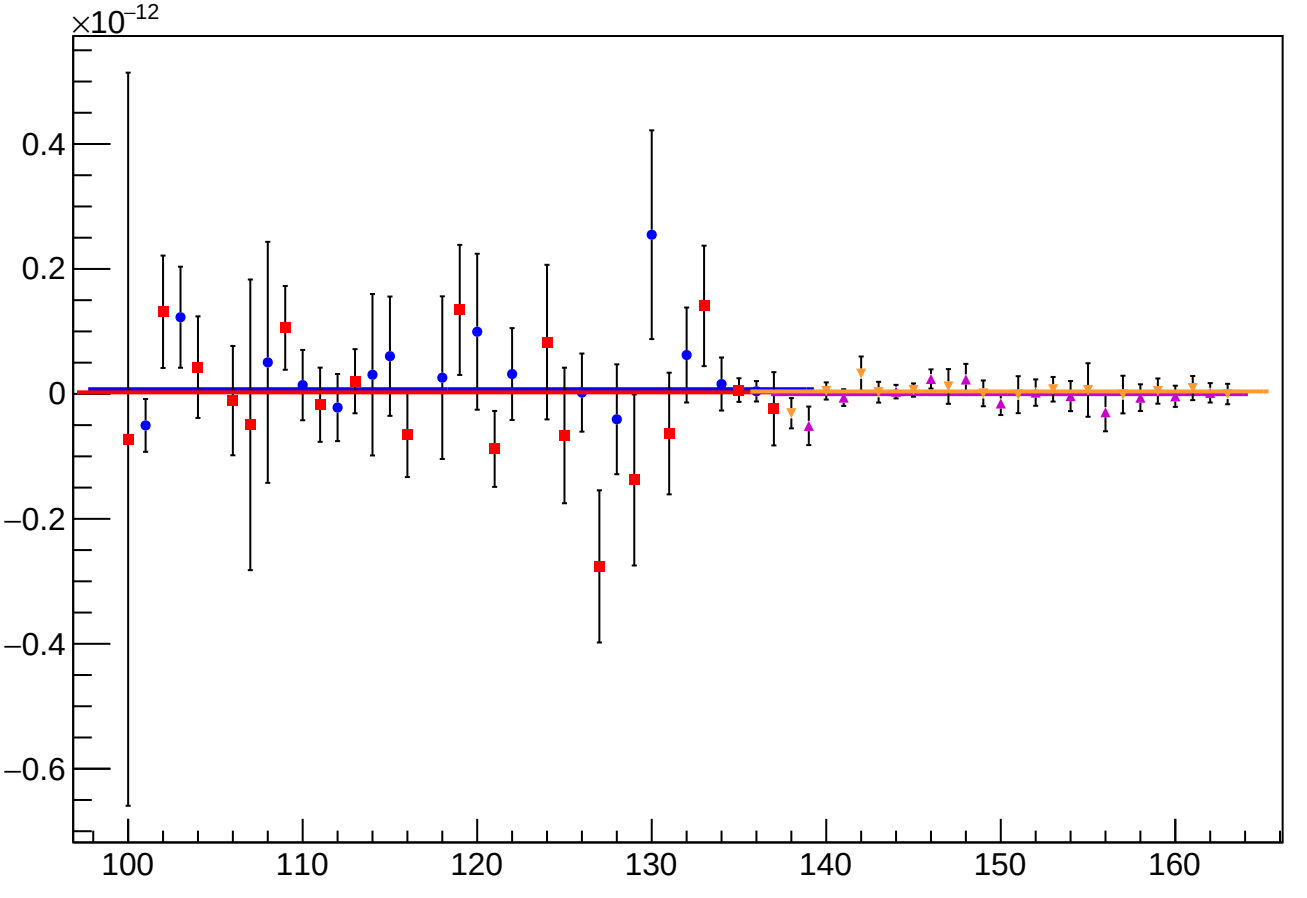
Left: 24.142+/-0.005 χ^2/NDF: 13632402.4/25

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.868+/-0.006 χ^2/NDF:11403535.9/27

Out: 32.291+/-0.007 χ^2/NDF:11682686.4/32

All: 29.242+/-0.005 χ^2/NDF: 23413314.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/11

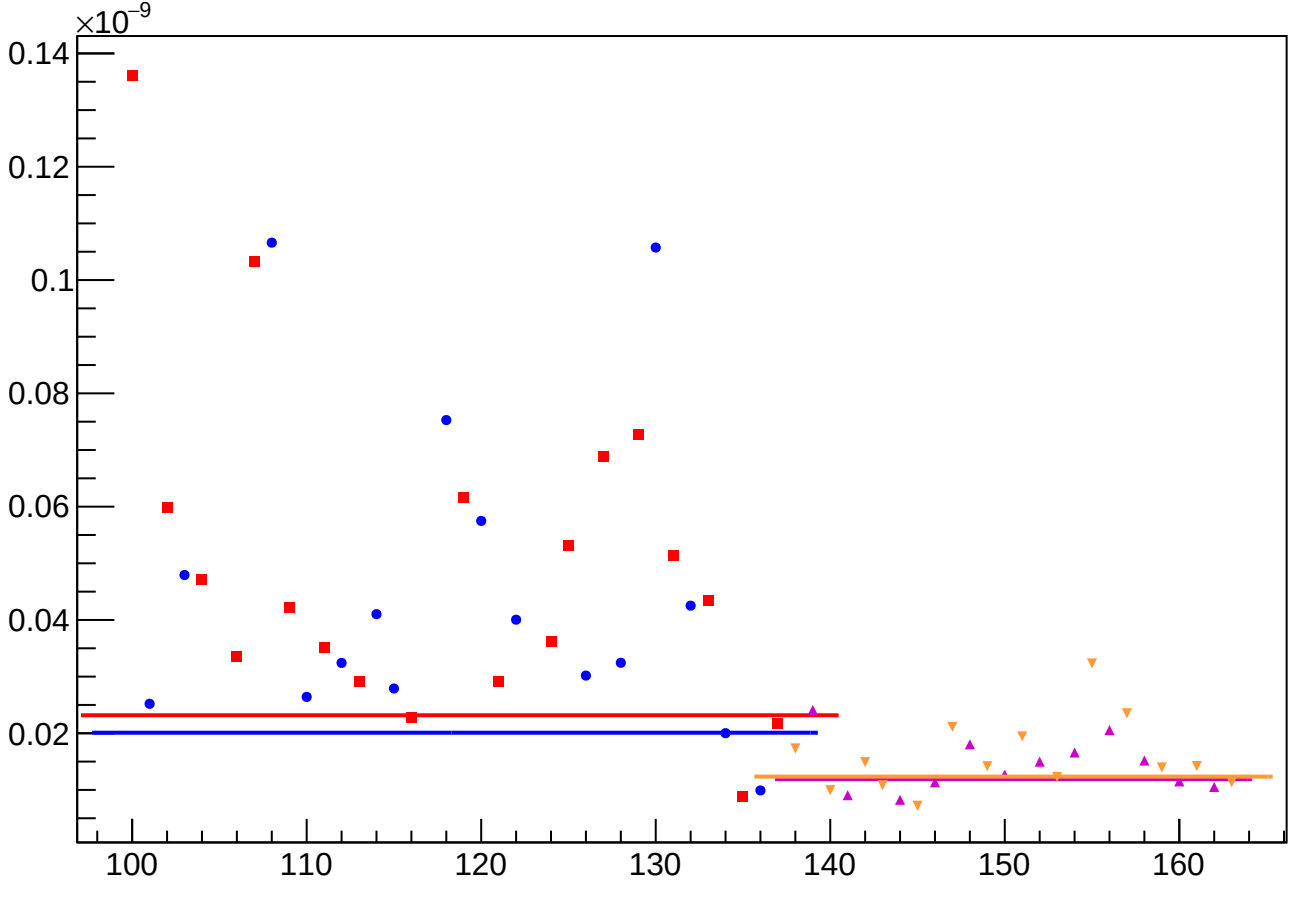
Left: 0.000+/-0.000 χ^2/NDF: 12.0/25

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:16.8/27

Out: 0.000+/-0.000 χ^2/NDF:23.2/32

All: 0.000+/-0.000 χ^2/NDF: 40.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1728180.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1101898.5/11

Left: 0.000+/-0.000 χ^2/NDF: 2837733.5/25

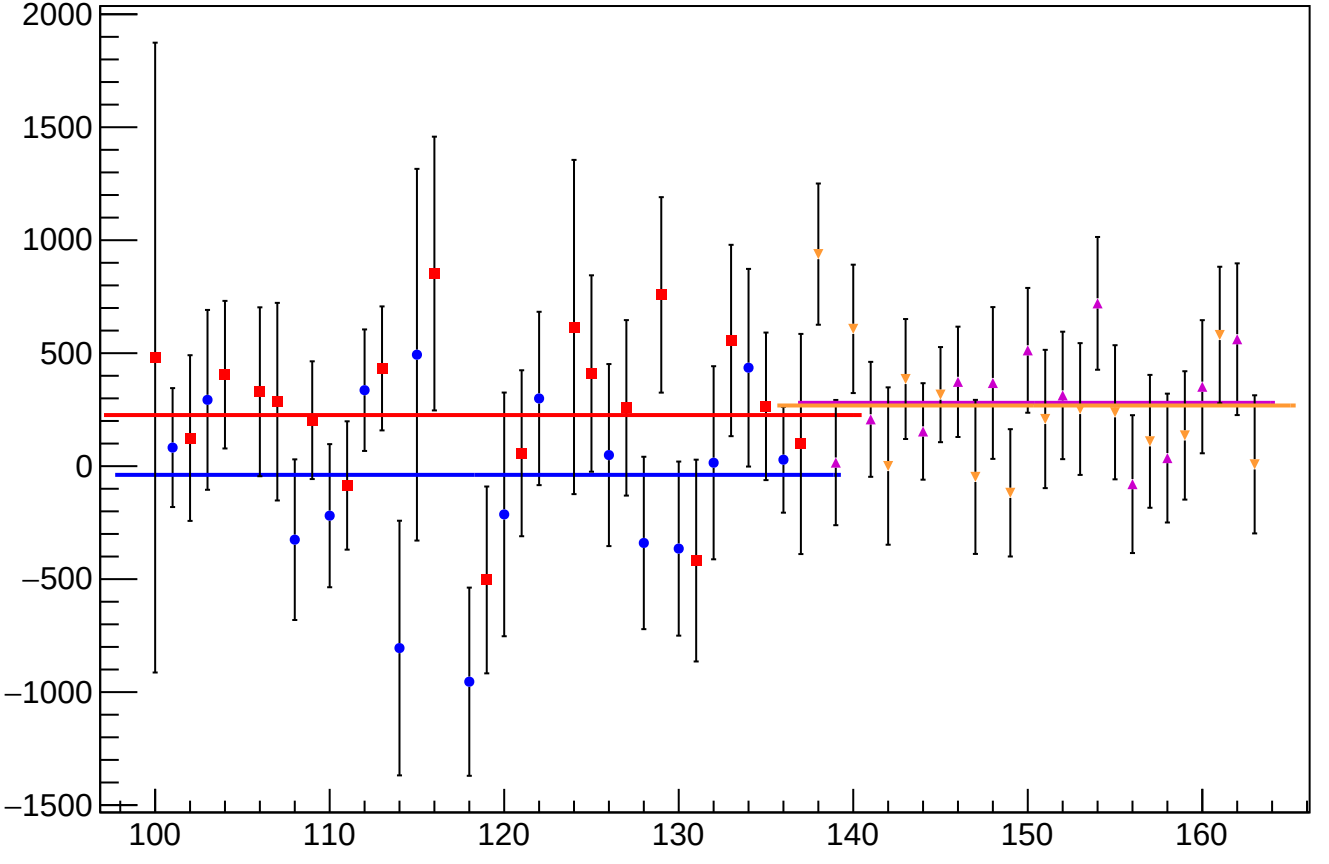
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4998137.1/27

Out: 0.000+/-0.000 χ^2/NDF:6382301.8/32

All: 0.000+/-0.000 χ^2/NDF: 11394859.4/60

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.518+/-77.095 χ^2/NDF:12.0/13

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 280.230+/-79.870 χ^2/NDF:7.4/11

Left: 274.167+/-55.470 χ^2/NDF: 19.4/25

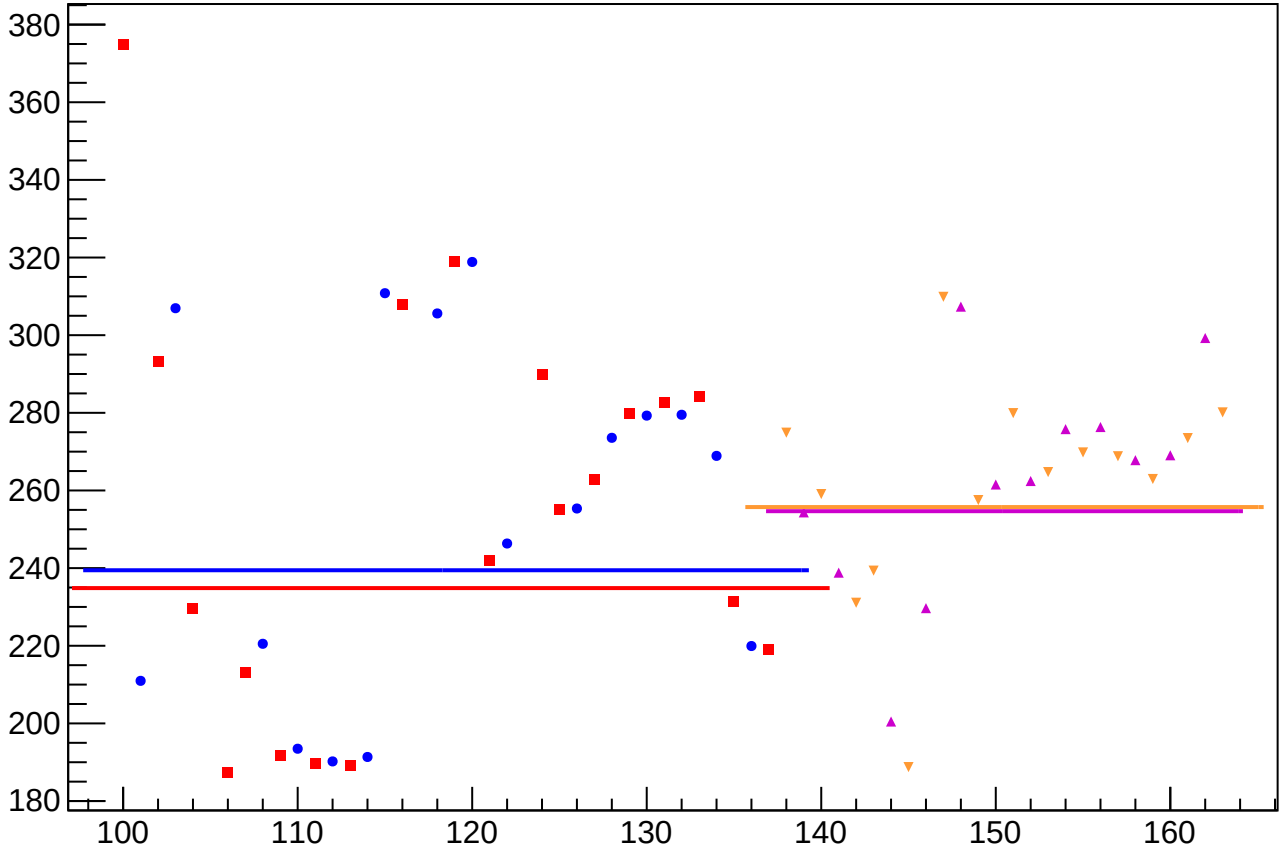
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 140.880+/-59.918 χ^2/NDF:28.8/27

Out: 250.106+/-57.962 χ^2/NDF:23.5/32

All: 197.305+/-41.660 χ^2/NDF: 54.1/60

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 254.664+/-0.056 χ^2/NDF:274202.7/11

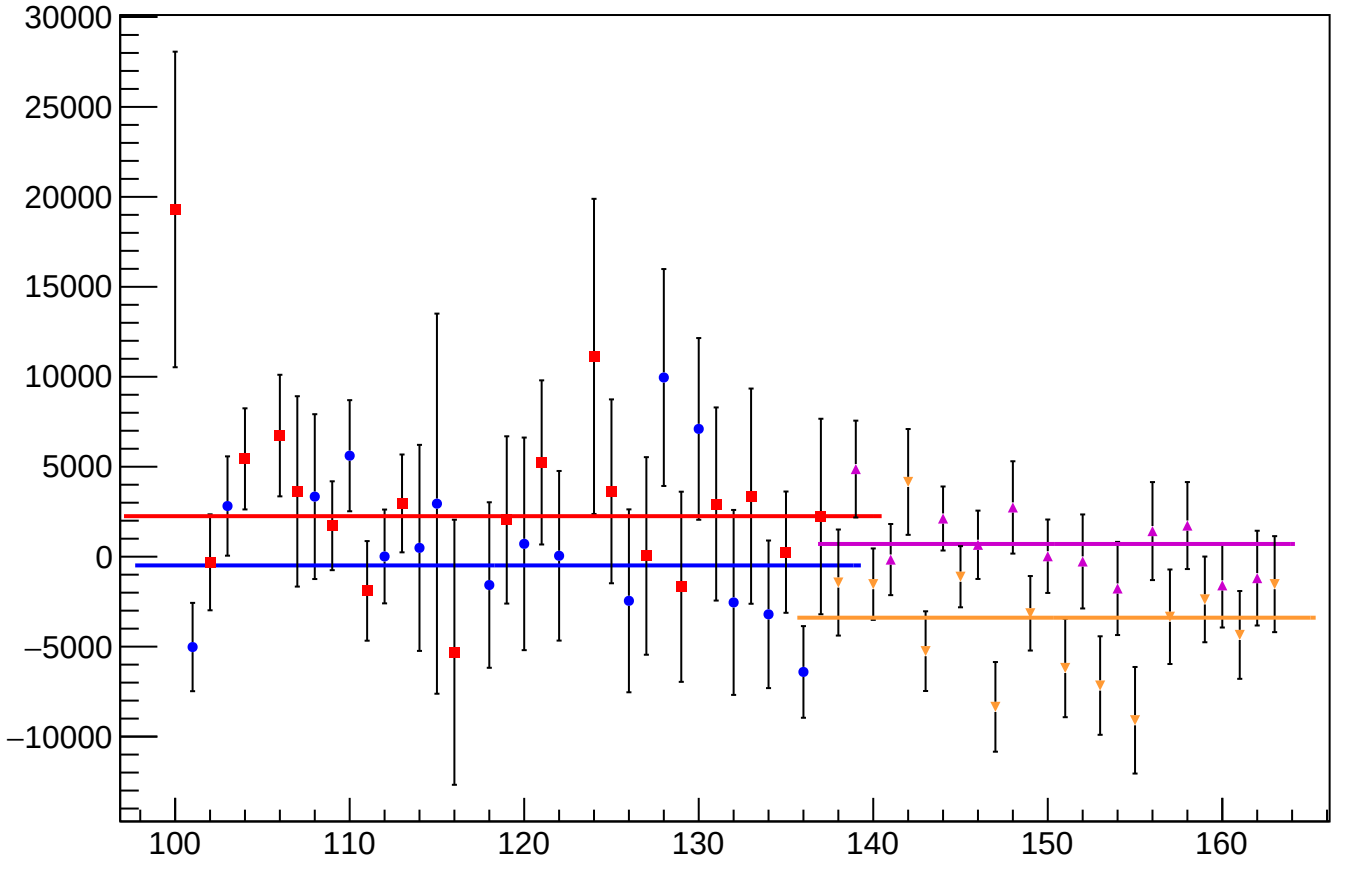
Left: 255.213+/-0.039 χ^2/NDF: 596710.0/25

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 248.012+/-0.042 χ^2/NDF:706889.9/27

Out: 246.652+/-0.041 χ^2/NDF:867761.1/32

All: 247.309+/-0.029 χ^2/NDF: 1575183.5/60



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3391.209+/-640.320 χ^2/NDF:21.8/13

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 706.593+/-658.436 χ^2/NDF:6.7/11

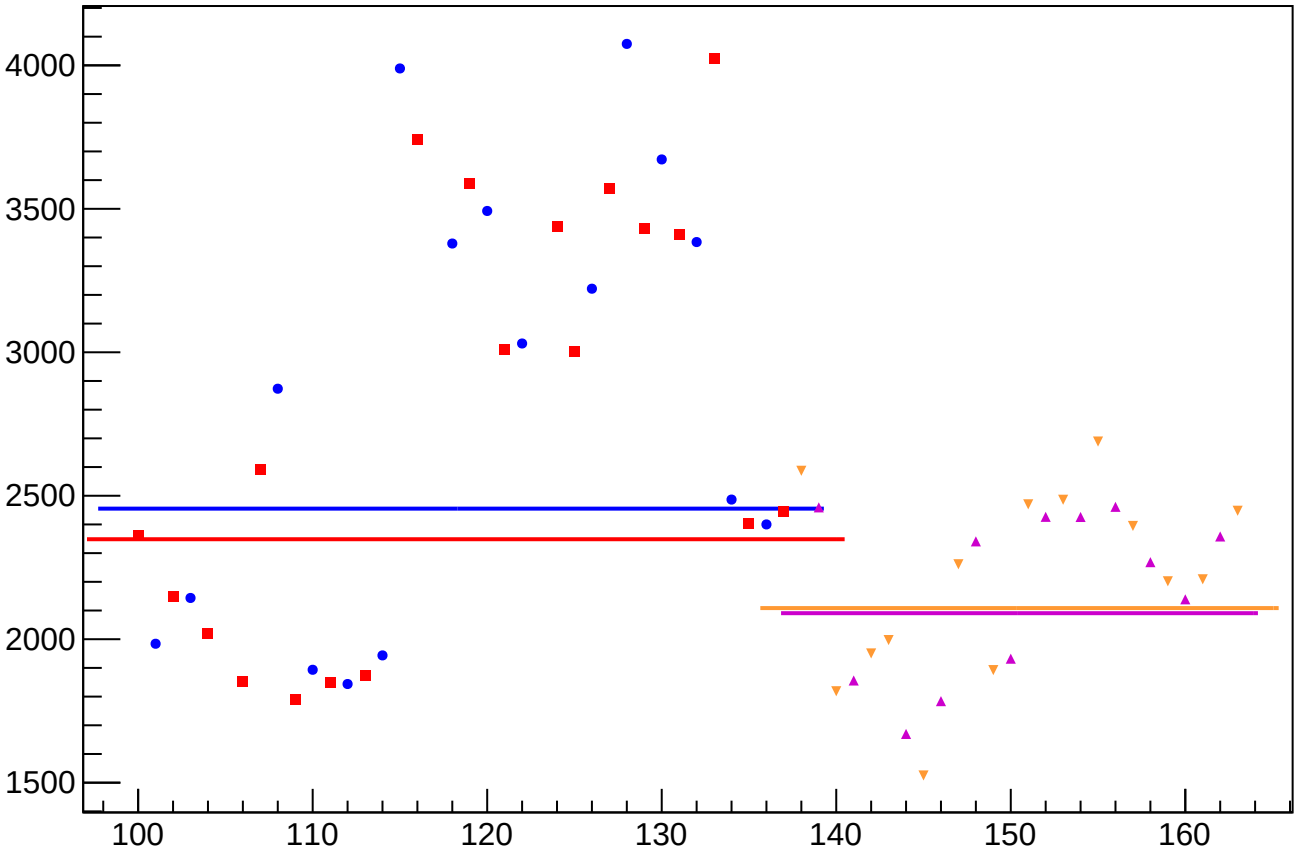
Left: -1399.458+/-459.046 χ^2/NDF: 48.5/25

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 318.222+/-540.692 χ^2/NDF:28.9/27

Out: -1478.328+/-520.602 χ^2/NDF:62.1/32

All: -614.050+/-375.022 χ^2/NDF: 96.7/60



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2108.497+/-0.453 χ^2/NDF:583290.0/13

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2090.710+/-0.466 χ^2/NDF:396707.6/11

Left: 2099.851+/-0.325 χ^2/NDF: 980747.8/25

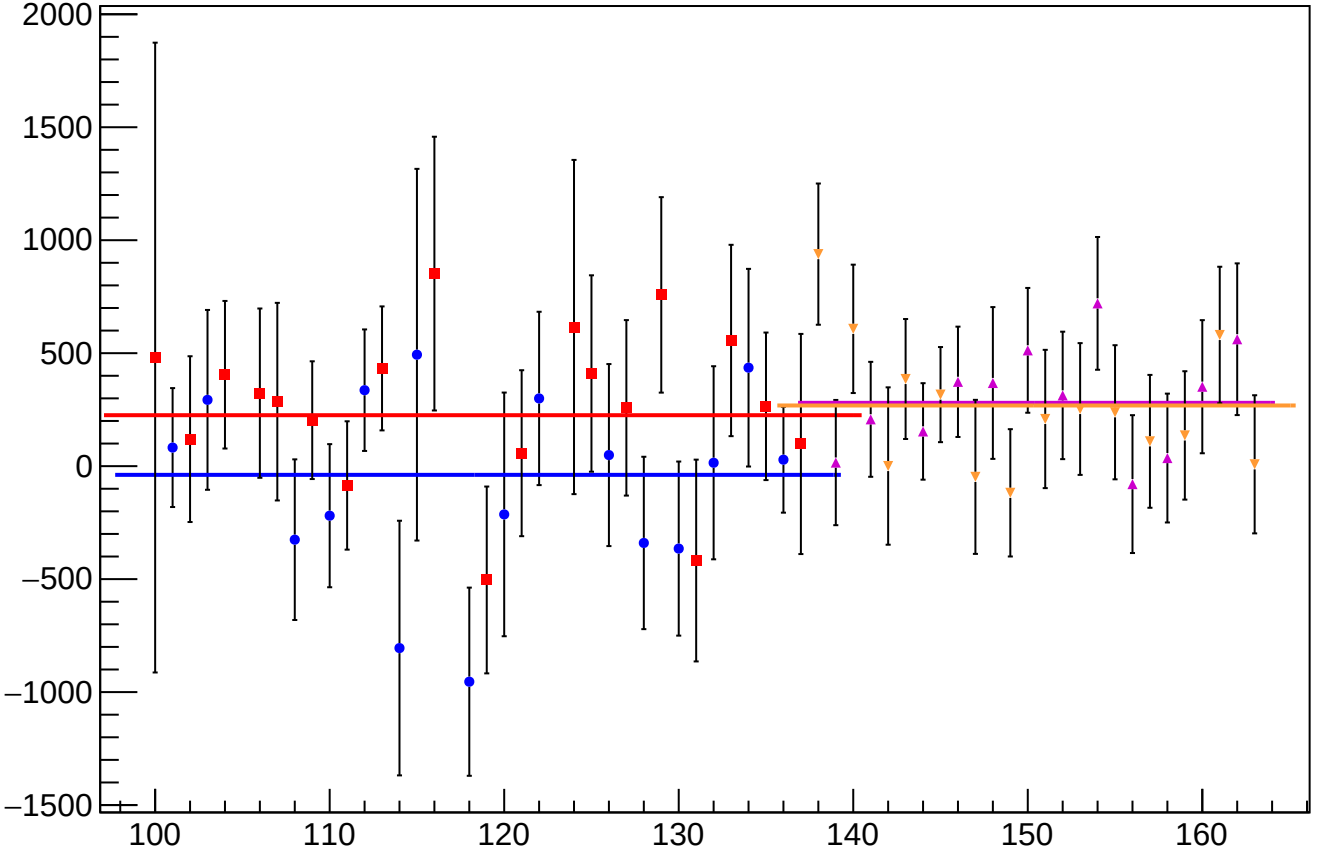
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2209.382+/-0.382 χ^2/NDF:1490587.5/27

Out: 2189.834+/-0.368 χ^2/NDF:1730913.3/32

All: 2199.238+/-0.265 χ^2/NDF: 3222857.4/60

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 280.234+/-79.870 χ^2/NDF:7.4/11

Left: 274.174+/-55.470 χ^2/NDF: 19.4/25

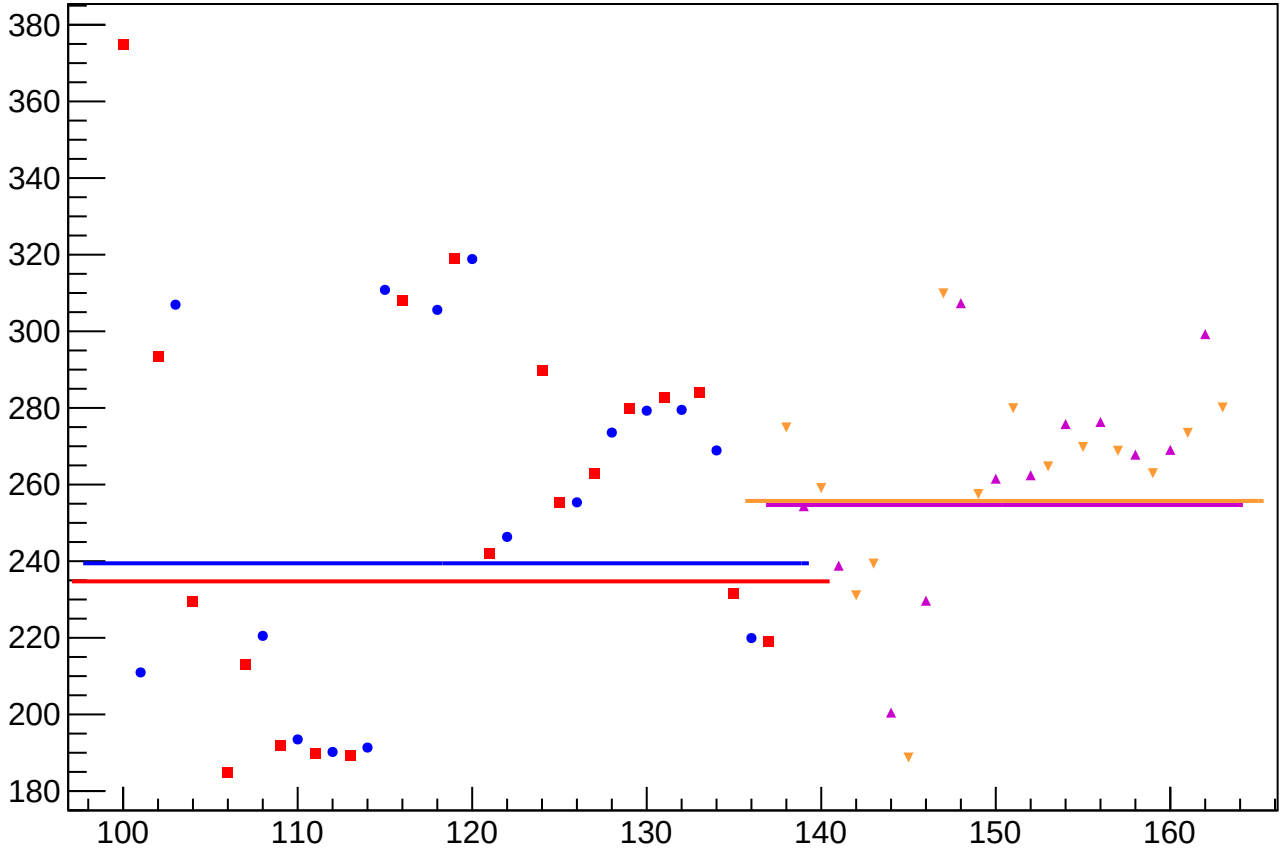
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 140.874+/-59.918 χ^2/NDF:28.8/27

Out: 249.831+/-57.966 χ^2/NDF:23.5/32

All: 197.156+/-41.661 χ^2/NDF: 54.1/60

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.664+/-0.056 χ^2/NDF:274202.7/11

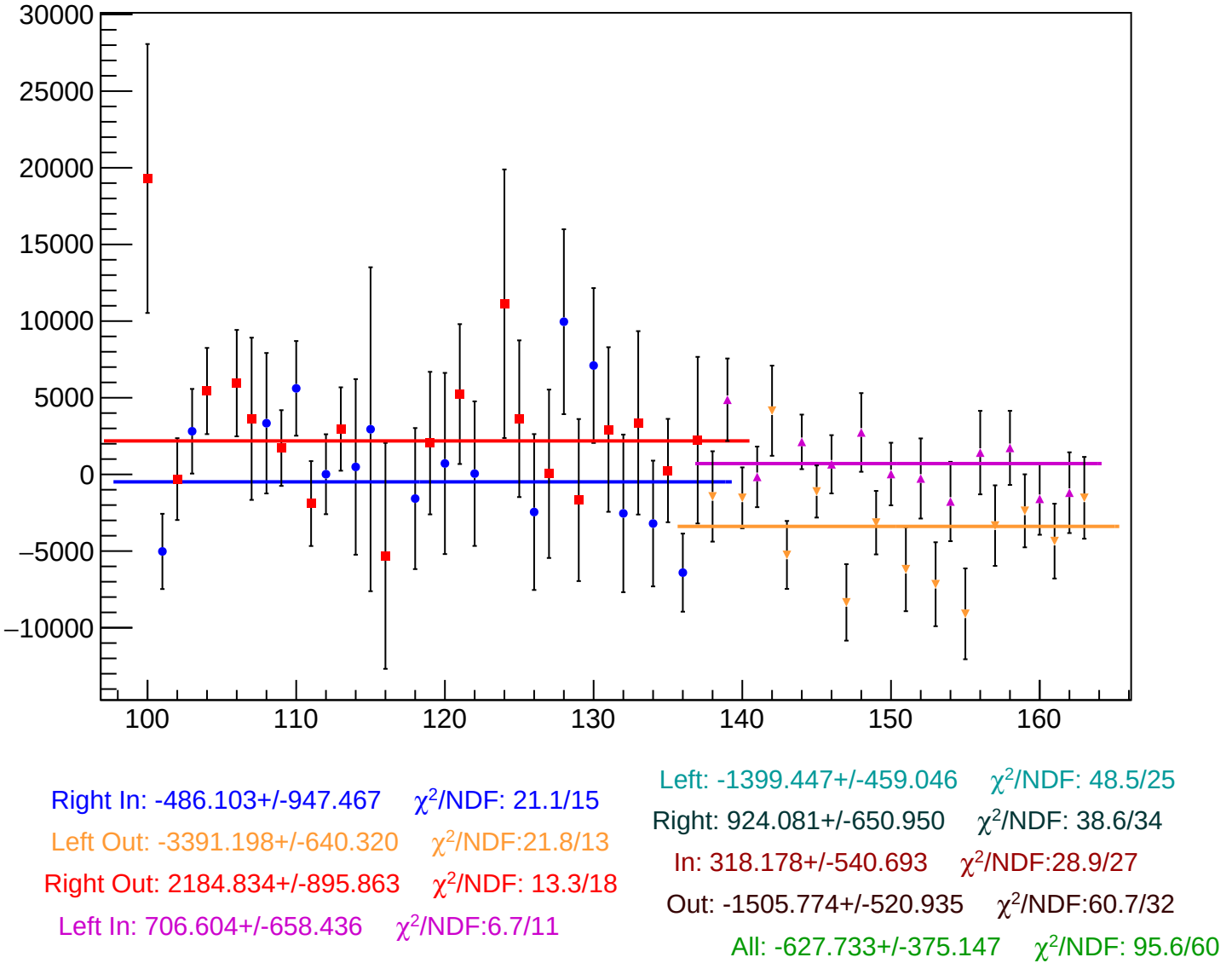
Left: 255.213+/-0.039 χ^2/NDF: 596710.0/25

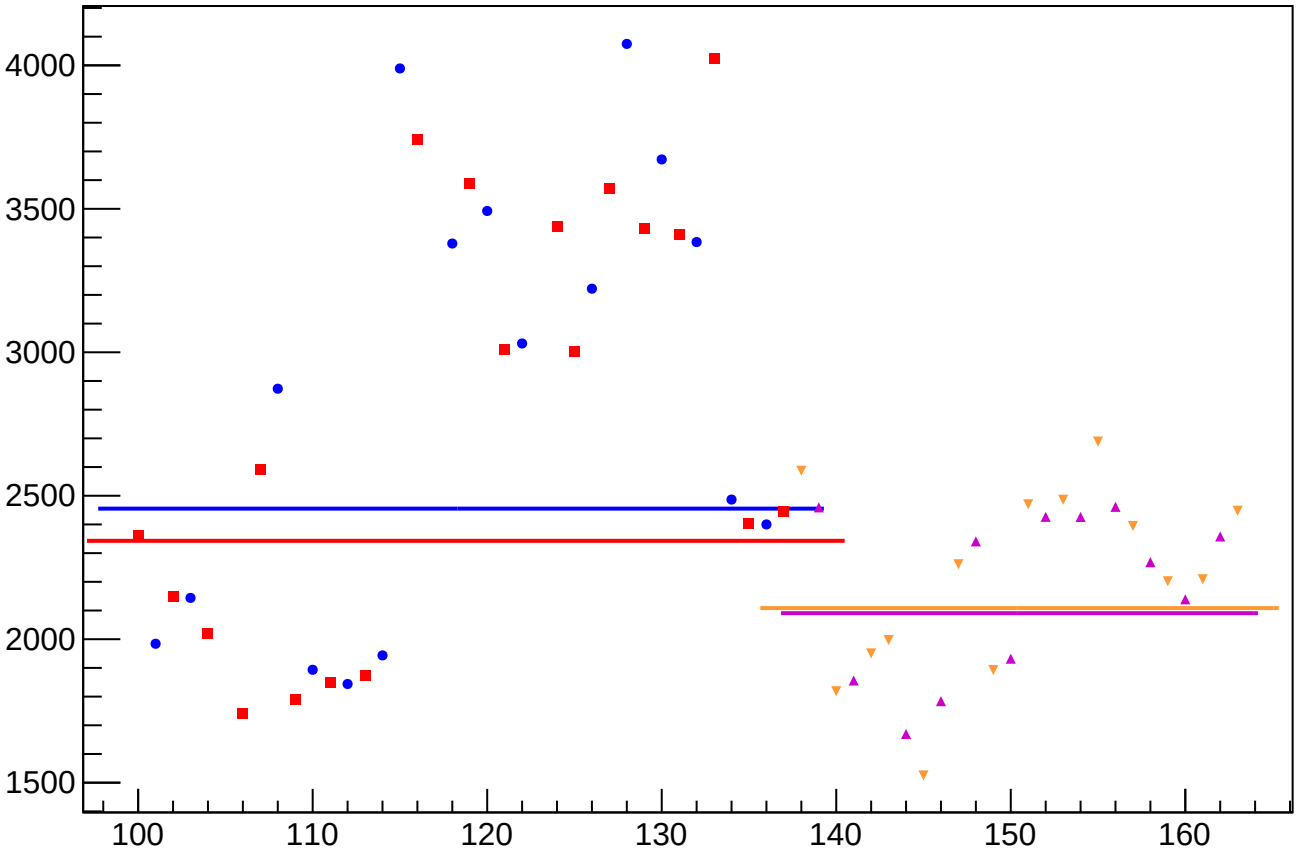
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.012+/-0.042 χ^2/NDF:706892.1/27

Out: 246.600+/-0.041 χ^2/NDF:872018.3/32

All: 247.283+/-0.029 χ^2/NDF: 1579483.7/60


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -3391.198+/-640.320 χ²/NDF:21.8/13
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: 706.604+/-658.436 χ²/NDF:6.7/11
Left: -1399.447+/-459.046 χ²/NDF: 48.5/25
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: 318.178+/-540.693 χ²/NDF:28.9/27
Out: -1505.774+/-520.935 χ²/NDF:60.7/32
All: -627.733+/-375.147 χ²/NDF: 95.6/60



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2108.496+/-0.453 χ^2/NDF:583291.9/13

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2090.710+/-0.466 χ^2/NDF:396705.3/11

Left: 2099.851+/-0.325 χ^2/NDF: 980747.2/25

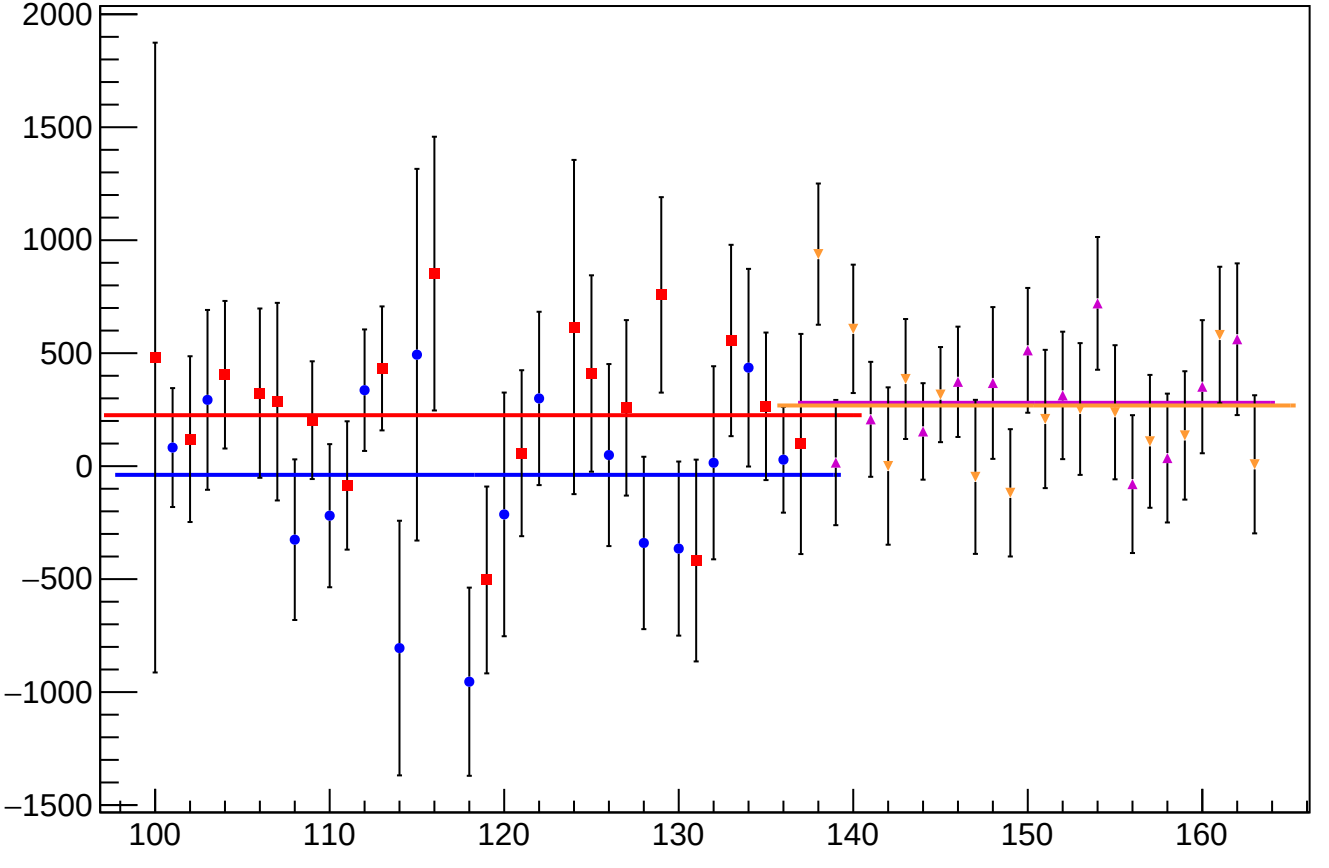
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2209.389+/-0.382 χ^2/NDF:1490577.6/27

Out: 2187.774+/-0.368 χ^2/NDF:1744347.6/32

All: 2198.179+/-0.265 χ^2/NDF: 3236582.7/60

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 268.527+/-77.095 χ^2/NDF:12.0/13

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 280.234+/-79.870 χ^2/NDF:7.4/11

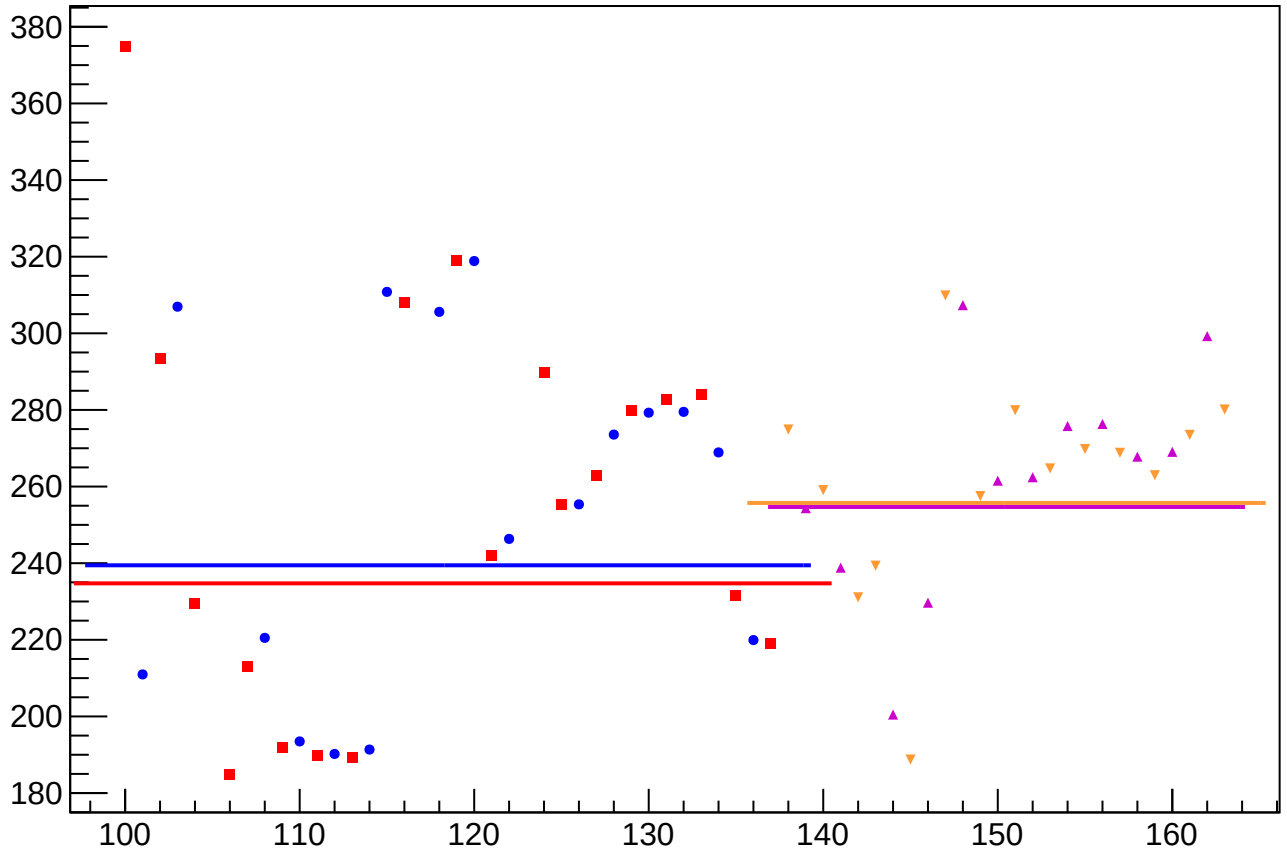
Left: 274.174+/-55.470 χ^2/NDF: 19.4/25

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 140.874+/-59.918 χ^2/NDF:28.8/27

Out: 249.831+/-57.966 χ^2/NDF:23.5/32

All: 197.156+/-41.661 χ^2/NDF: 54.1/60



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 255.725+/-0.055 χ^2/NDF:322324.5/13

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.664+/-0.056 χ^2/NDF:274202.7/11

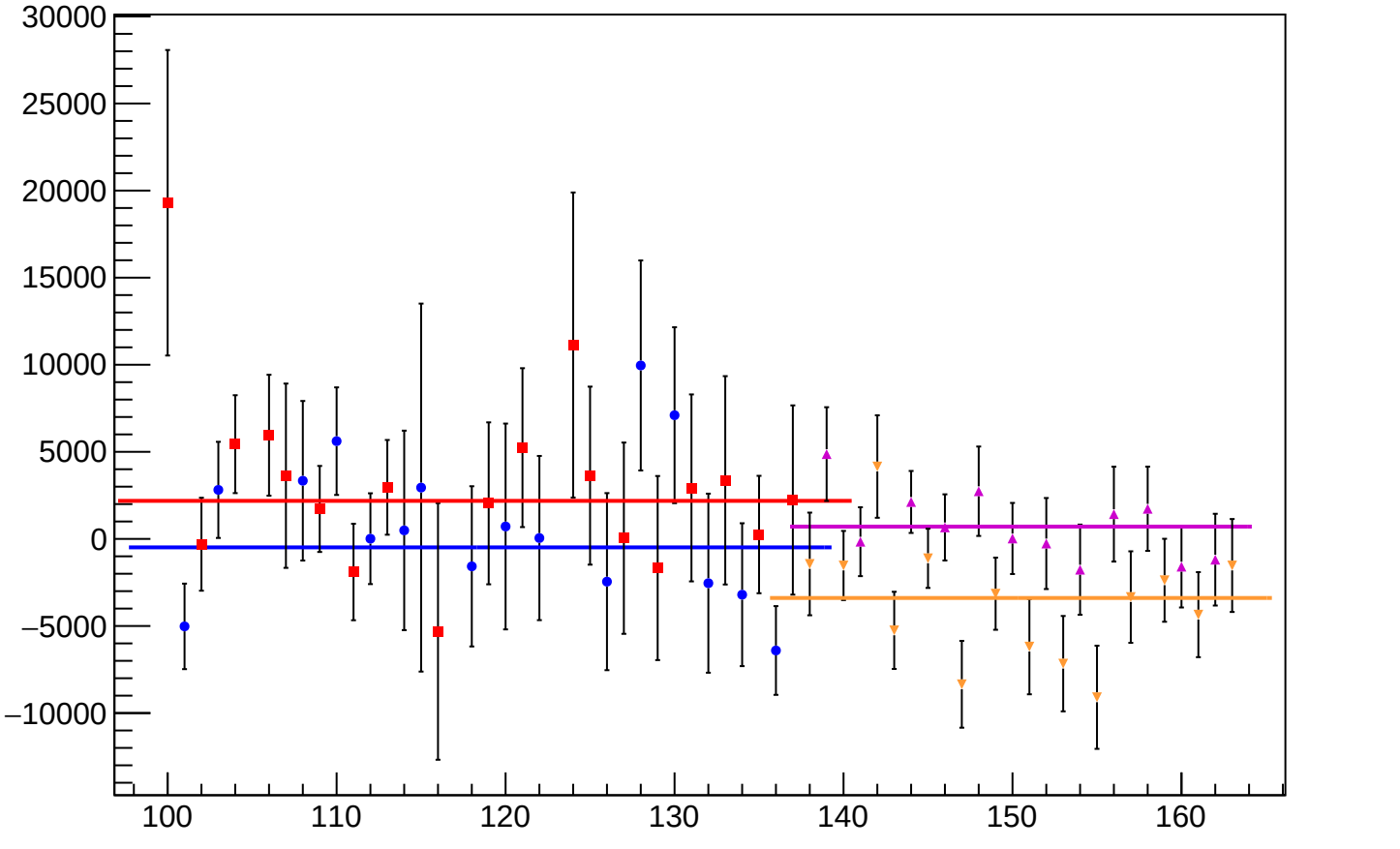
Left: 255.213+/-0.039 χ^2/NDF: 596710.0/25

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.012+/-0.042 χ^2/NDF:706892.1/27

Out: 246.600+/-0.041 χ^2/NDF:872018.3/32

All: 247.283+/-0.029 χ^2/NDF: 1579483.7/60



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3391.198+/-640.320 χ^2/NDF:21.8/13

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 706.604+/-658.436 χ^2/NDF:6.7/11

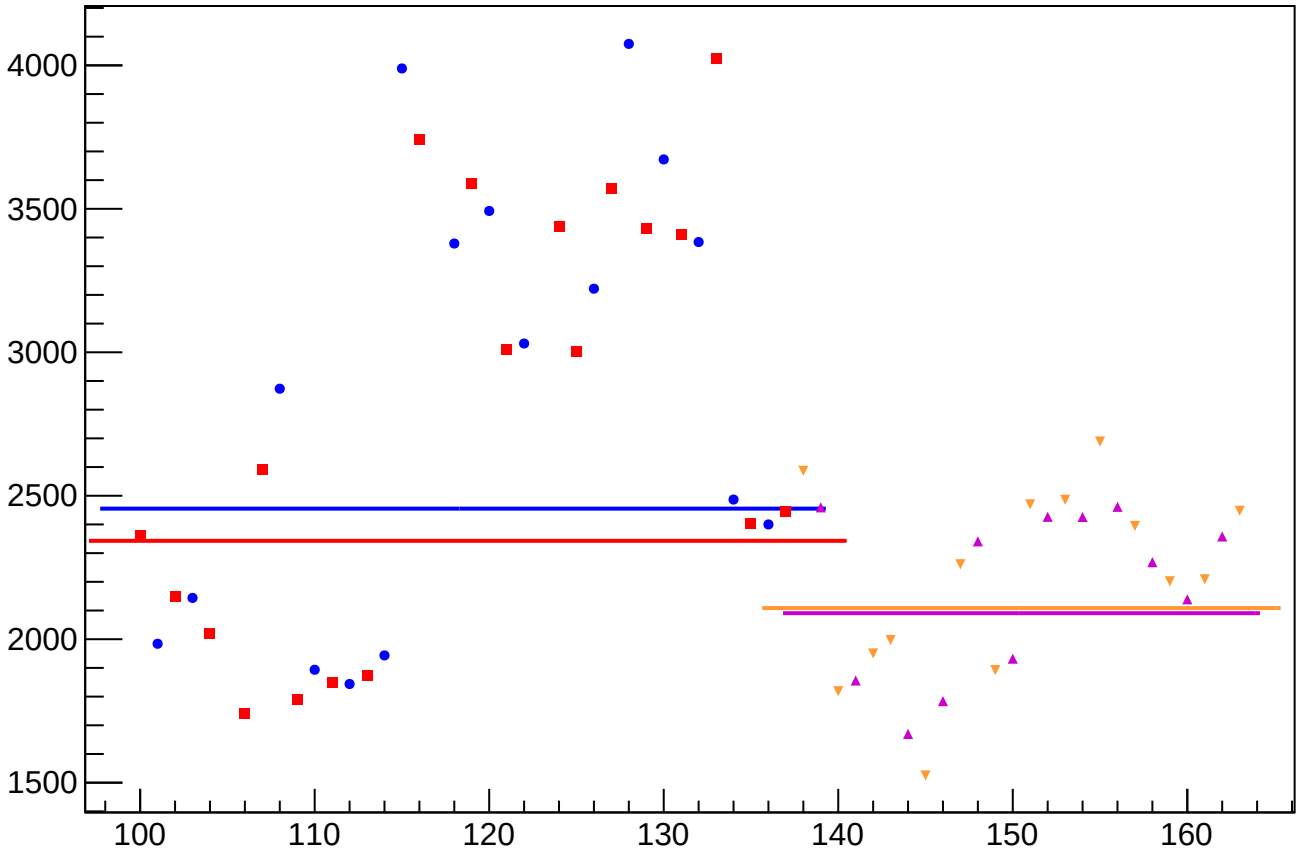
Left: -1399.447+/-459.046 χ^2/NDF: 48.5/25

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 318.178+/-540.693 χ^2/NDF:28.9/27

Out: -1505.774+/-520.935 χ^2/NDF:60.7/32

All: -627.733+/-375.147 χ^2/NDF: 95.6/60



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2108.496+/-0.453 χ^2/NDF:583291.9/13

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2090.710+/-0.466 χ^2/NDF:396705.3/11

Left: 2099.851+/-0.325 χ^2/NDF: 980747.2/25

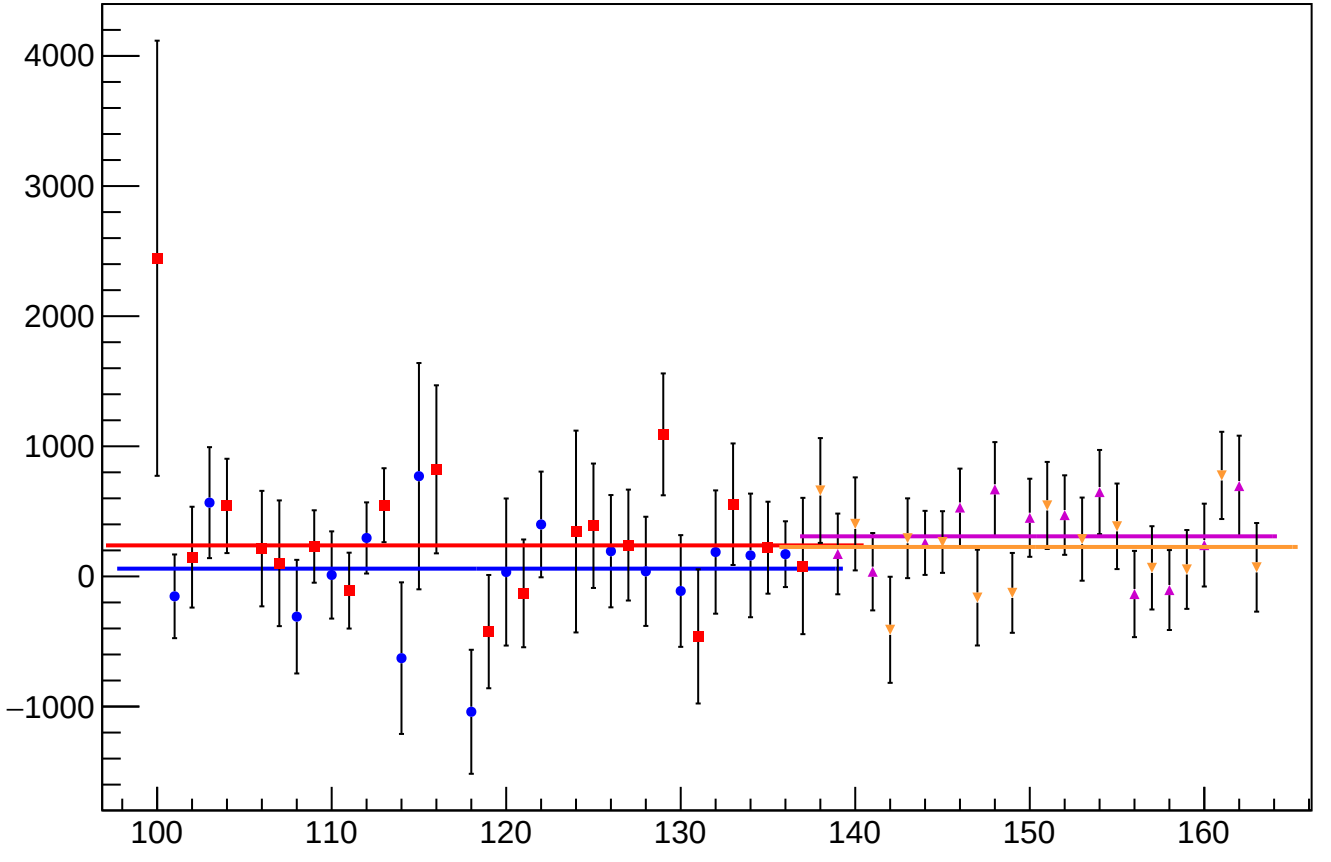
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2209.389+/-0.382 χ^2/NDF:1490577.6/27

Out: 2187.774+/-0.368 χ^2/NDF:1744347.6/32

All: 2198.179+/-0.265 χ^2/NDF: 3236582.7/60

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.467+/-86.834 χ^2/NDF:11.0/13

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 308.153+/-89.569 χ^2/NDF:8.9/11

Left: 266.044+/-62.345 χ^2/NDF: 20.3/25

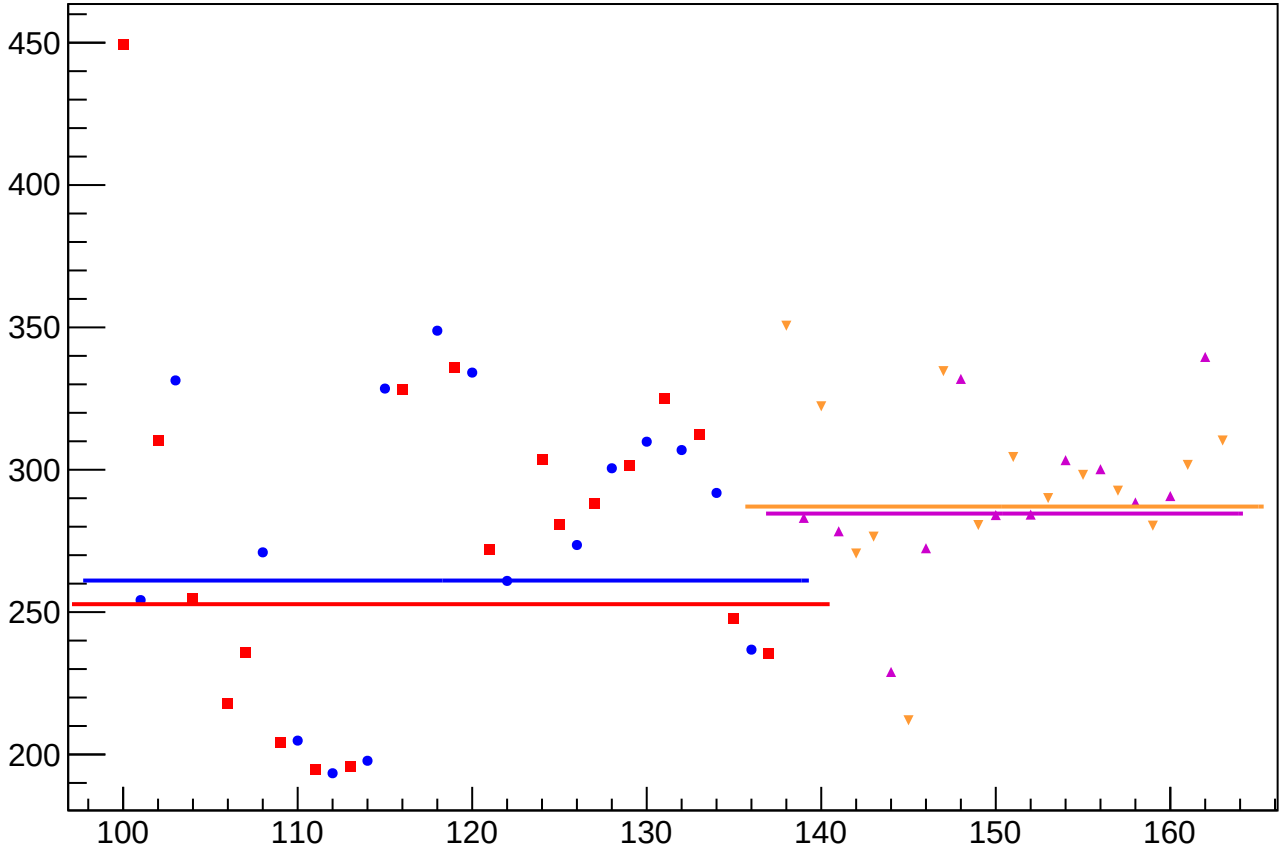
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 196.619+/-66.489 χ^2/NDF:24.3/27

Out: 231.947+/-64.113 χ^2/NDF:26.0/32

All: 214.926+/-46.152 χ^2/NDF: 50.4/60

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 287.073+/-0.061 χ^2/NDF:332363.3/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 284.610+/-0.063 χ^2/NDF:193052.1/11

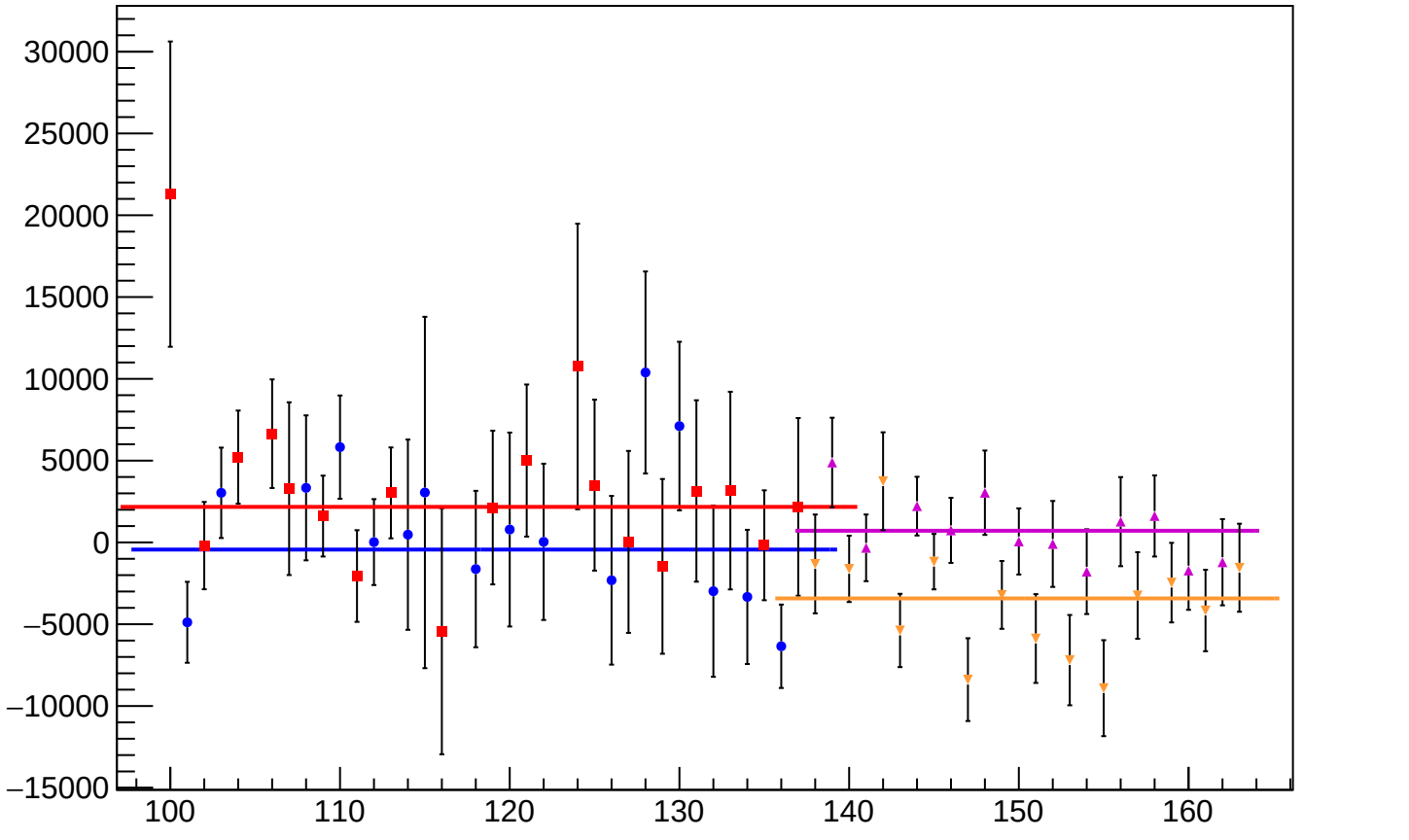
Left: 285.880+/-0.044 χ^2/NDF: 526195.0/25

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 274.050+/-0.047 χ^2/NDF:717636.7/27

Out: 271.478+/-0.045 χ^2/NDF:1011480.9/32

All: 272.717+/-0.033 χ^2/NDF: 1730668.5/60



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3421.984+/-646.075 χ^2/NDF:20.3/13

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 713.806+/-667.847 χ^2/NDF:7.0/11

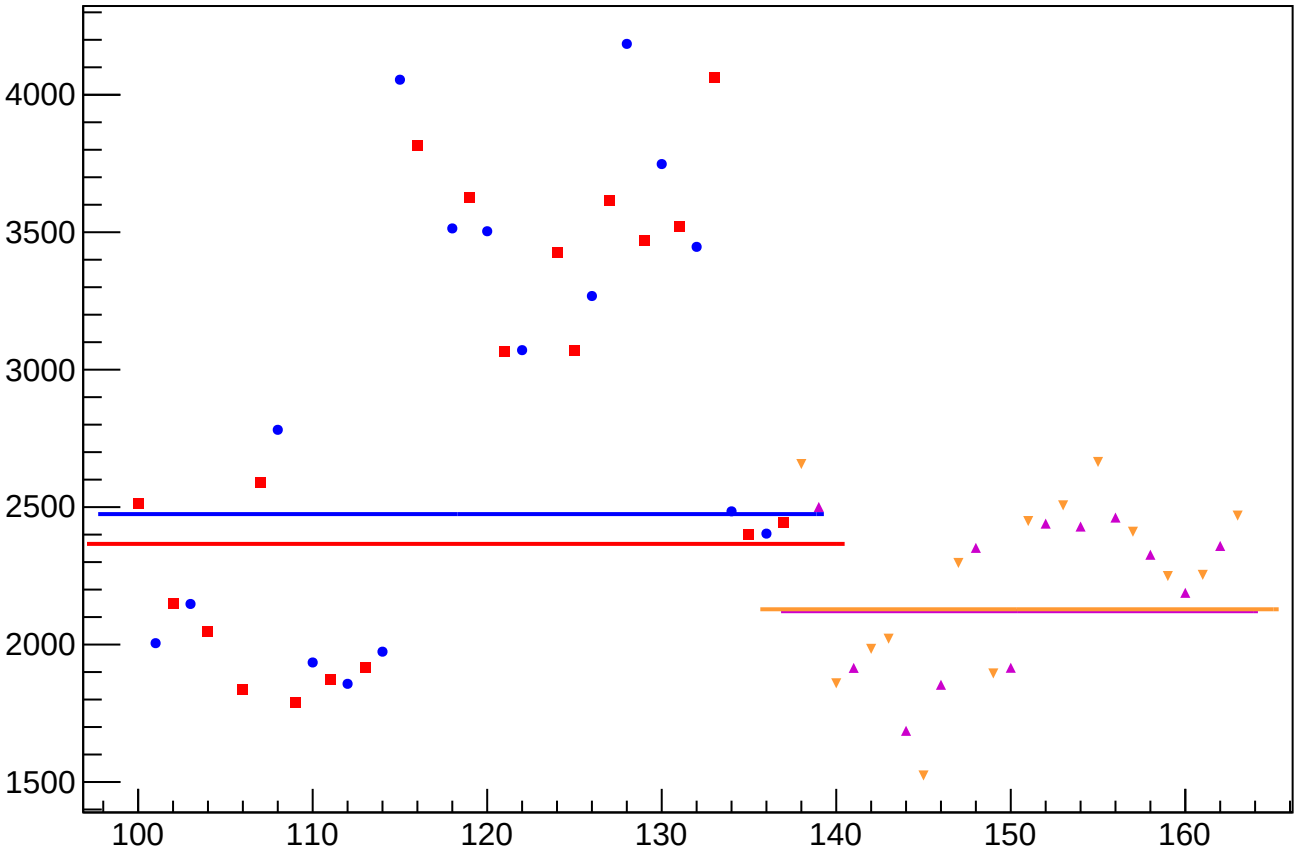
Left: -1422.603+/-464.350 χ^2/NDF: 47.1/25

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 336.008+/-547.323 χ^2/NDF:29.1/27

Out: -1522.648+/-525.062 χ^2/NDF:59.8/32

All: -631.886+/-378.900 χ^2/NDF: 94.9/60



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2128.370+/-0.457 χ^2/NDF:591414.6/13

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2121.337+/-0.472 χ^2/NDF:369885.2/11

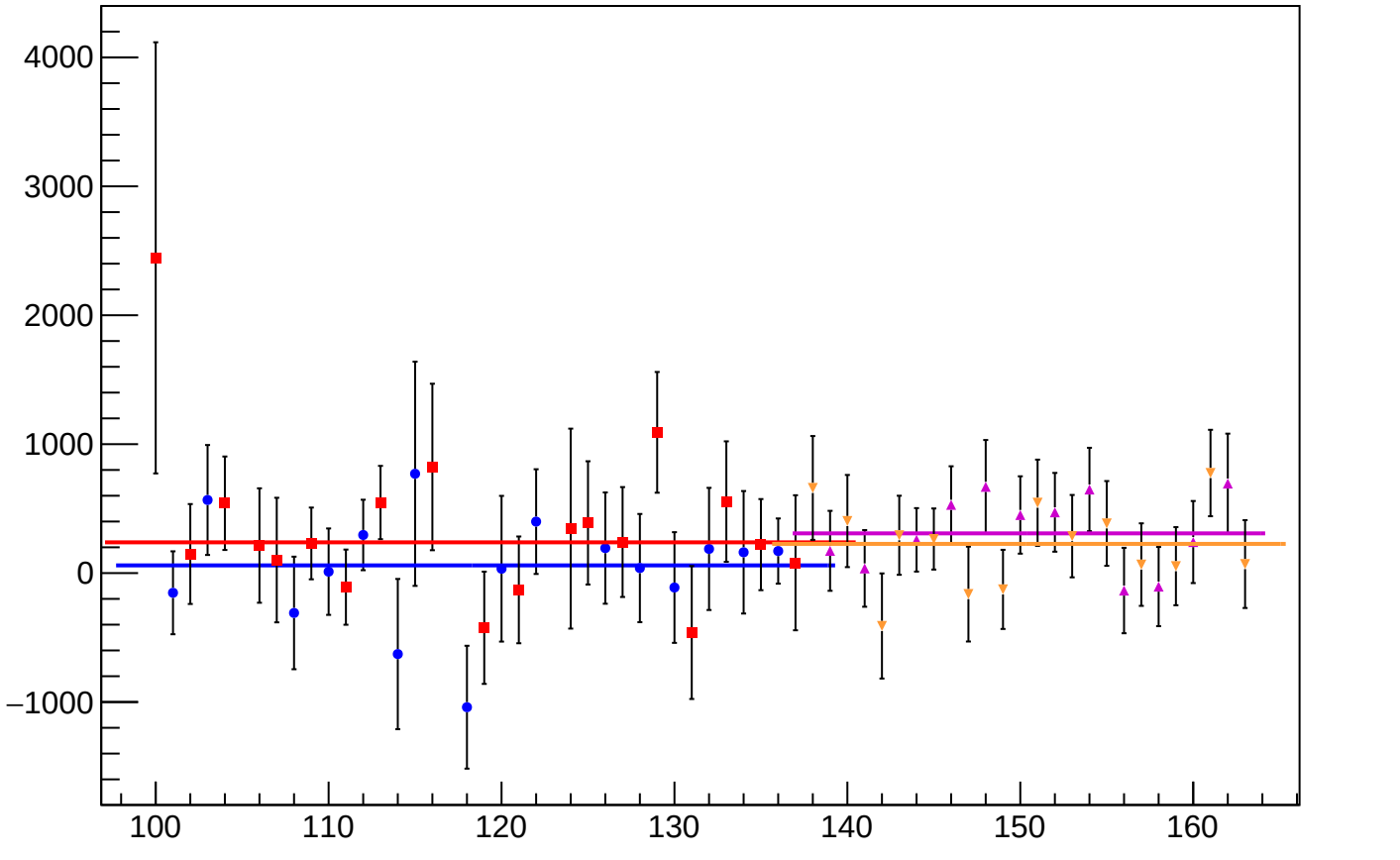
Left: 2124.970+/-0.328 χ^2/NDF: 961414.4/25

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

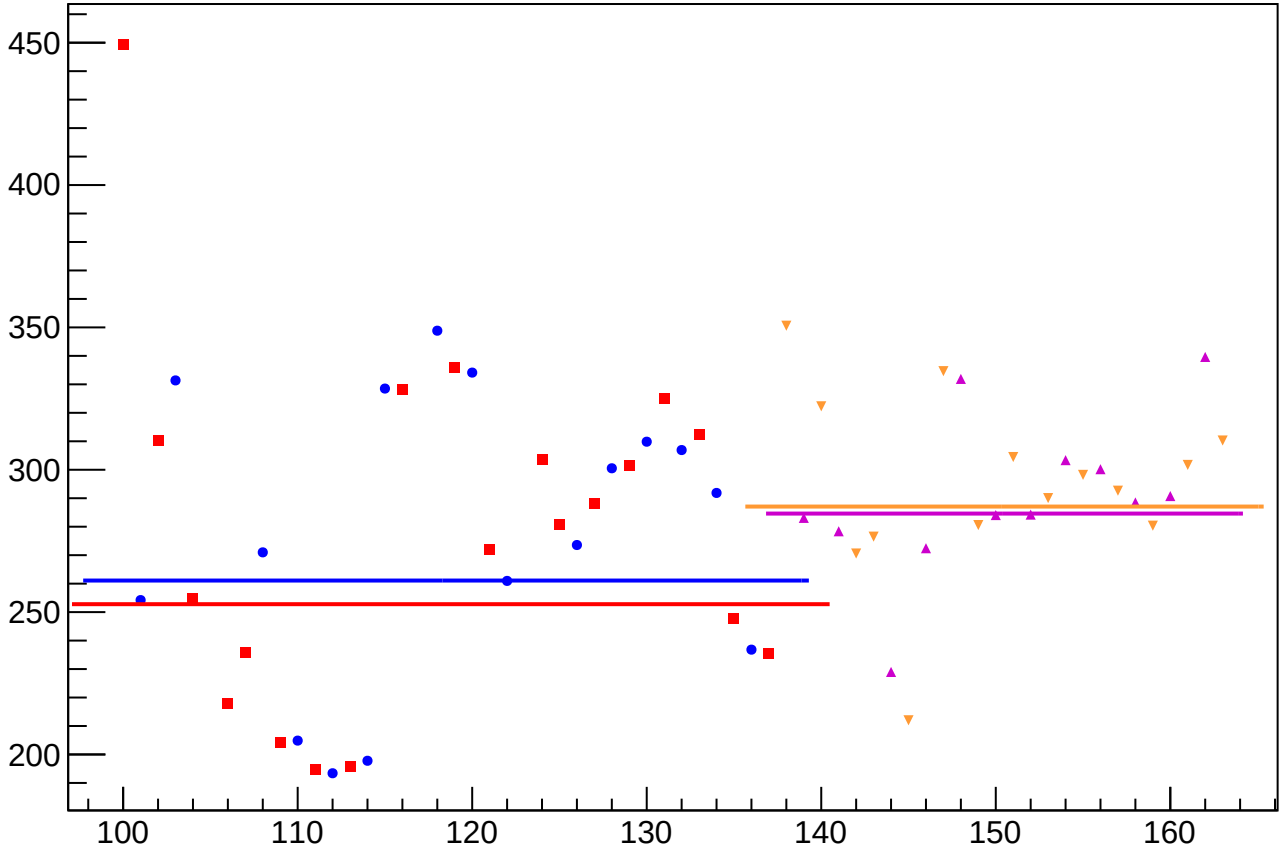
In: 2237.344+/-0.387 χ^2/NDF:1469910.5/27

Out: 2209.126+/-0.371 χ^2/NDF:1760624.3/32

All: 2222.650+/-0.268 χ^2/NDF: 3233303.0/60


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 226.471+/-86.834 χ²/NDF:11.0/13
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 308.154+/-89.569 χ²/NDF:8.9/11
Left: 266.046+/-62.346 χ²/NDF: 20.3/25
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 196.622+/-66.489 χ²/NDF:24.3/27
Out: 231.949+/-64.113 χ²/NDF:26.0/32
All: 214.928+/-46.152 χ²/NDF: 50.4/60

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 287.074+/-0.061 χ^2/NDF:332358.4/13

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 284.611+/-0.063 χ^2/NDF:193050.7/11

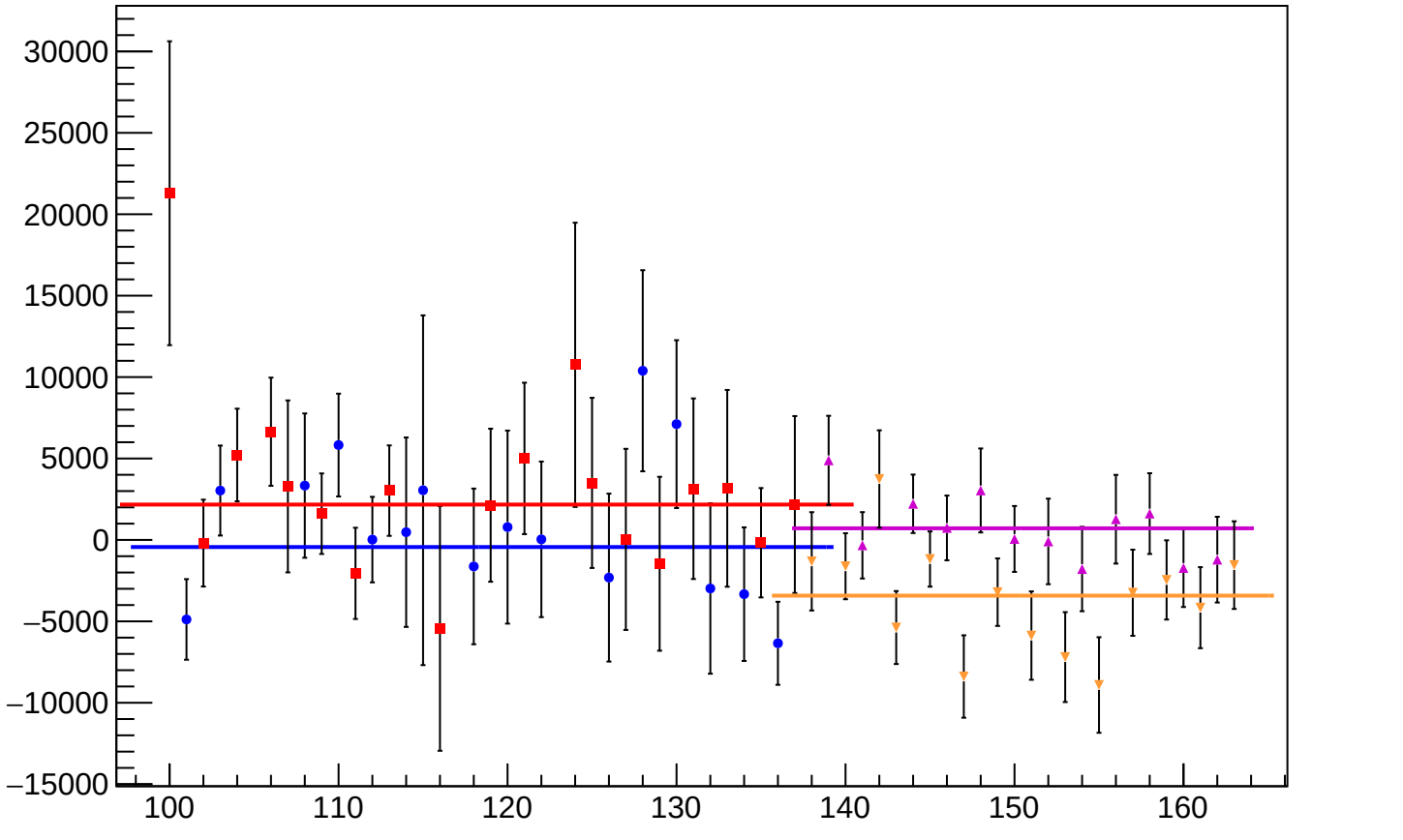
Left: 285.880+/-0.044 χ^2/NDF: 526188.7/25

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 274.050+/-0.047 χ^2/NDF:717640.5/27

Out: 271.478+/-0.045 χ^2/NDF:1011483.2/32

All: 272.717+/-0.033 χ^2/NDF: 1730674.6/60



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3421.977+/-646.074 χ^2/NDF:20.3/13

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 713.804+/-667.847 χ^2/NDF:7.0/11

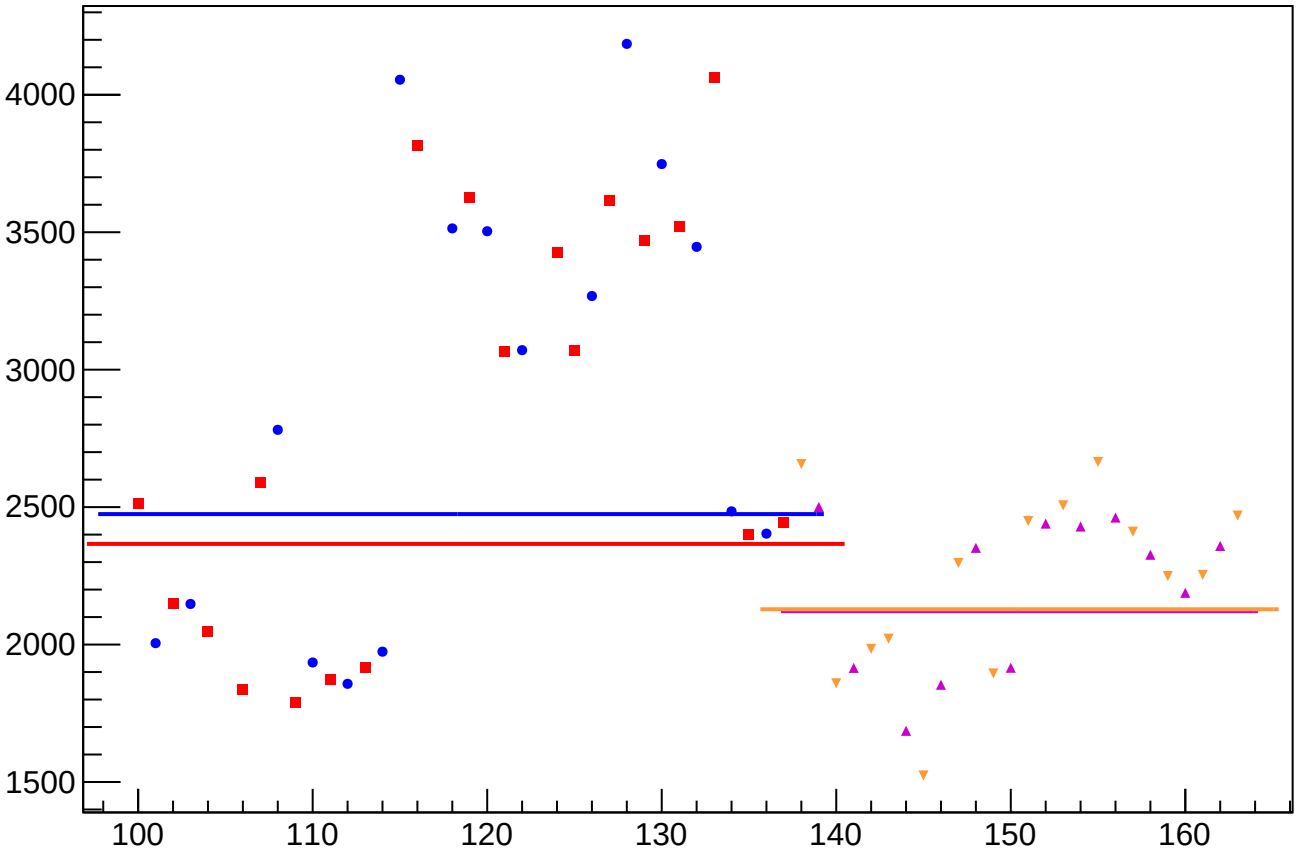
Left: -1422.601+/-464.350 χ^2/NDF: 47.1/25

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 336.007+/-547.322 χ^2/NDF:29.1/27

Out: -1522.645+/-525.062 χ^2/NDF:59.8/32

All: -631.885+/-378.900 χ^2/NDF: 94.9/60



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2128.367+/-0.457 χ^2/NDF:591417.6/13

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2121.335+/-0.472 χ^2/NDF:369883.3/11

Left: 2124.968+/-0.328 χ^2/NDF: 961415.5/25

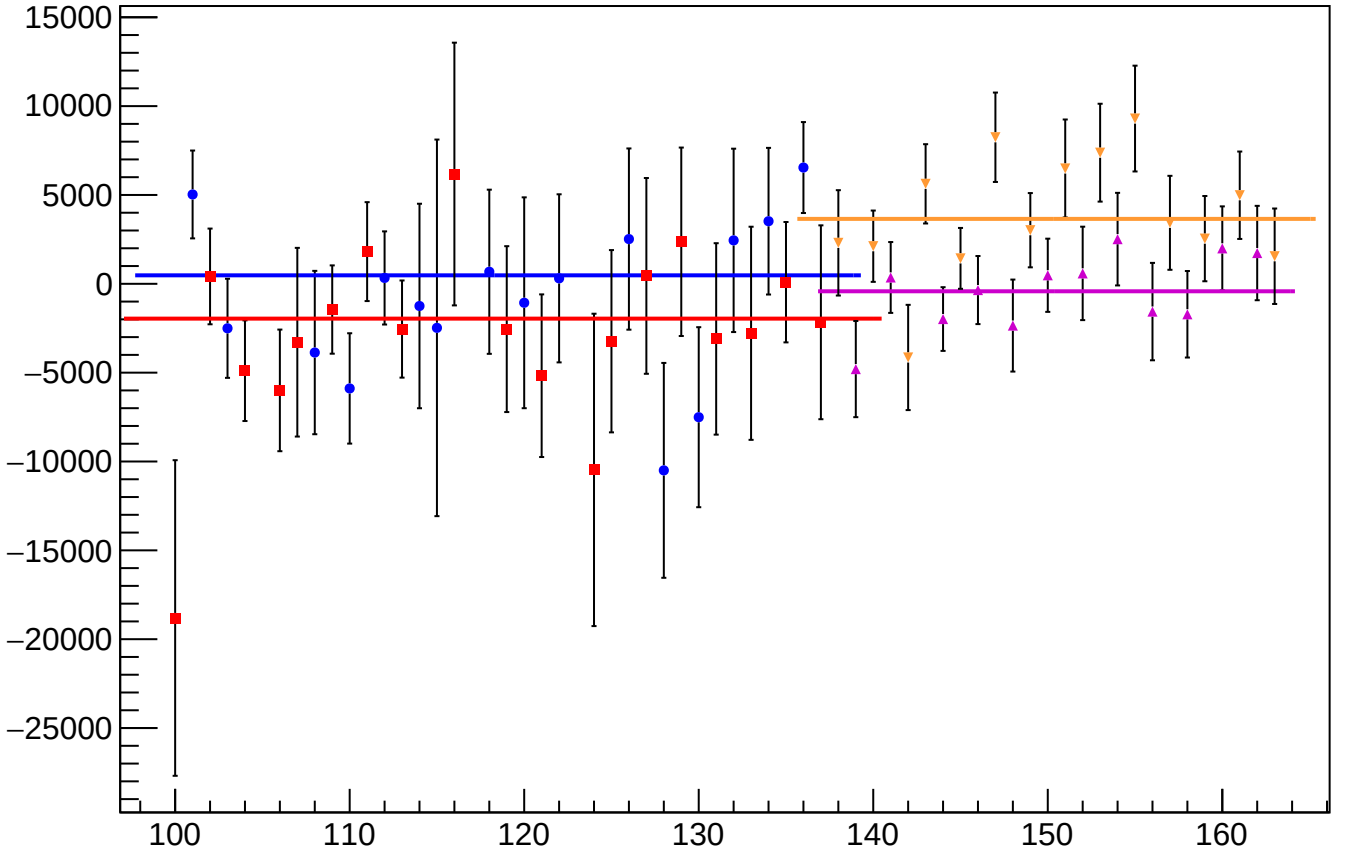
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2237.342+/-0.387 χ^2/NDF:1469911.7/27

Out: 2209.124+/-0.371 χ^2/NDF:1760630.4/32

All: 2222.648+/-0.268 χ^2/NDF: 3233310.4/60

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3653.703+/-645.215 χ^2/NDF:21.2/13

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -420.625+/-663.476 χ^2/NDF:7.9/11

Left: 1673.381+/-462.557 χ^2/NDF: 48.5/25

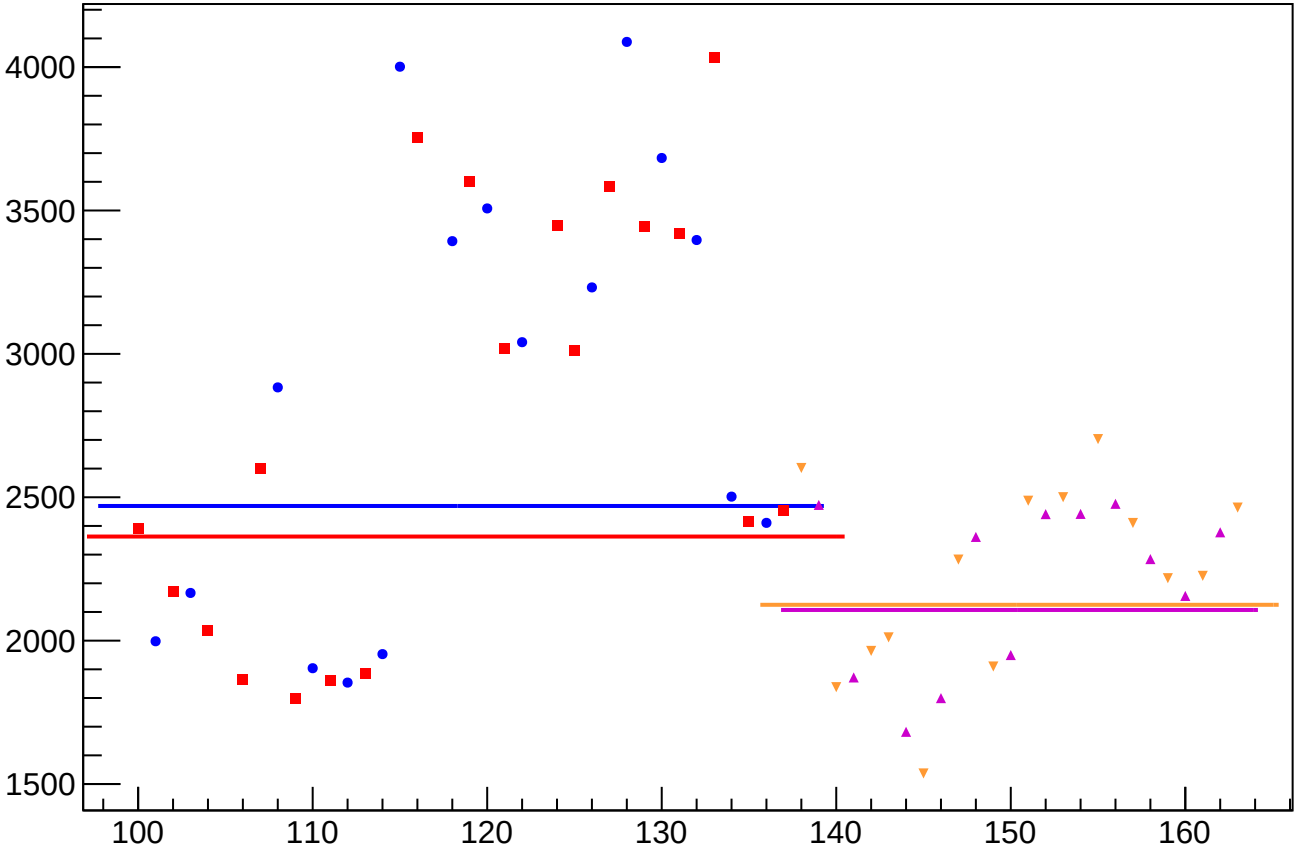
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -127.392+/-544.466 χ^2/NDF:30.6/27

Out: 1747.315+/-524.323 χ^2/NDF:59.8/32

All: 845.279+/-377.673 χ^2/NDF: 96.5/60

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2125.021+/-0.456 χ^2/NDF:577375.5/13

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2106.978+/-0.469 χ^2/NDF:393579.0/11

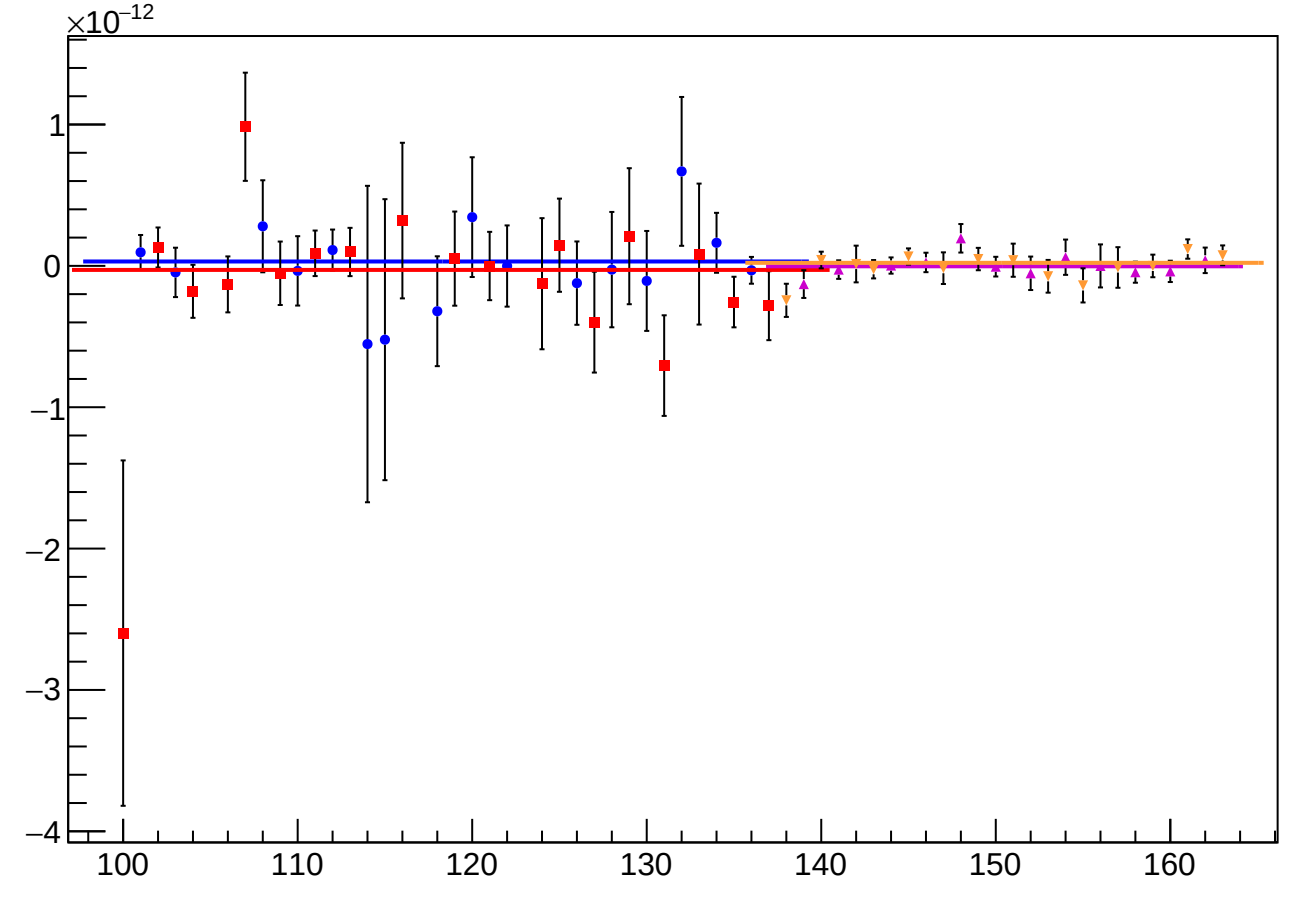
Left: 2116.251+/-0.327 χ^2/NDF: 971714.7/25

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2225.413+/-0.385 χ^2/NDF:1474905.3/27

Out: 2205.863+/-0.371 χ^2/NDF:1713166.2/32

All: 2215.270+/-0.267 χ^2/NDF: 3189409.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/11

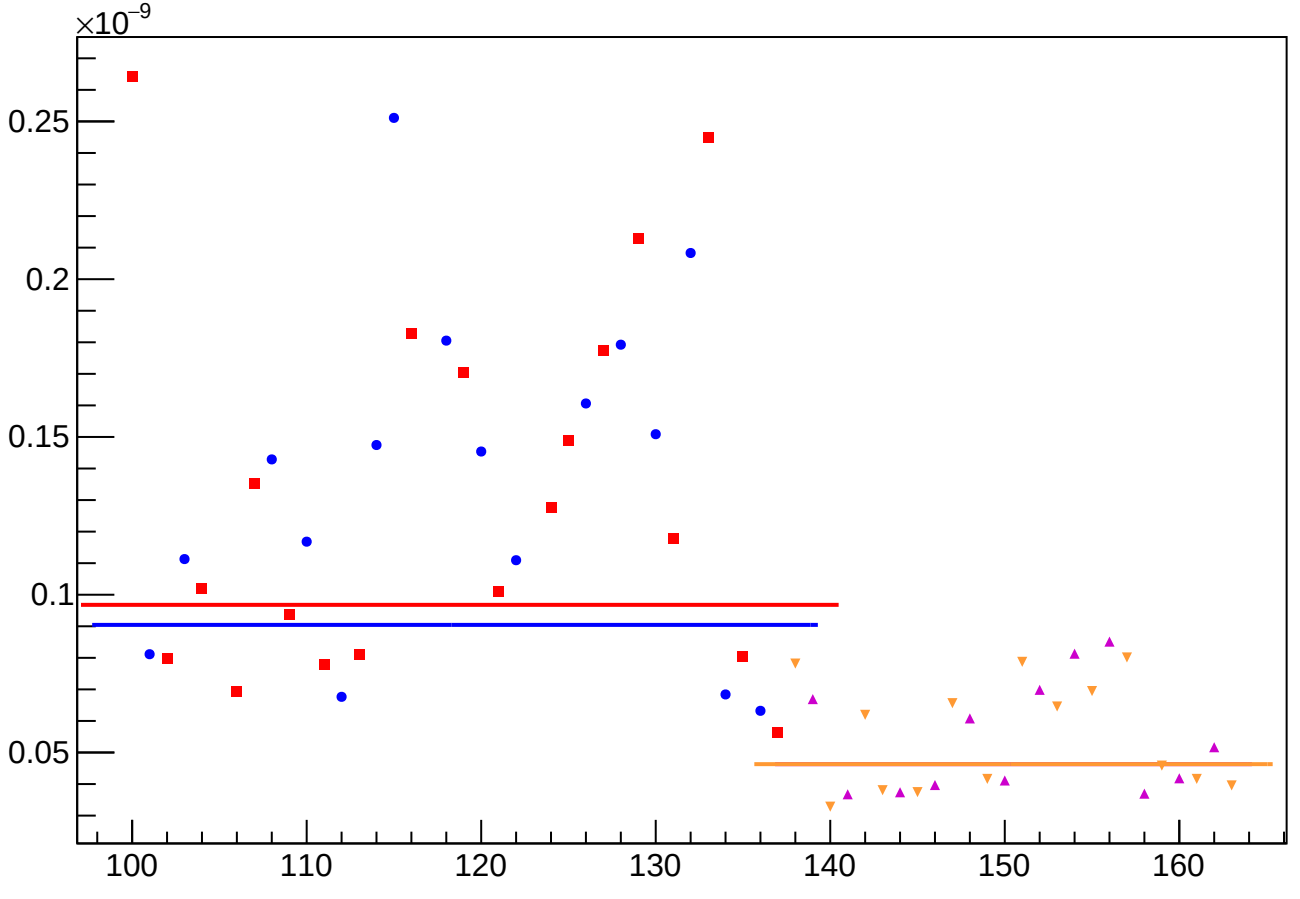
Left: 0.000+/-0.000 χ^2/NDF: 19.3/25

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:13.5/27

Out: 0.000+/-0.000 χ^2/NDF:35.6/32

All: 0.000+/-0.000 χ^2/NDF: 49.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:843418.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:661906.8/11

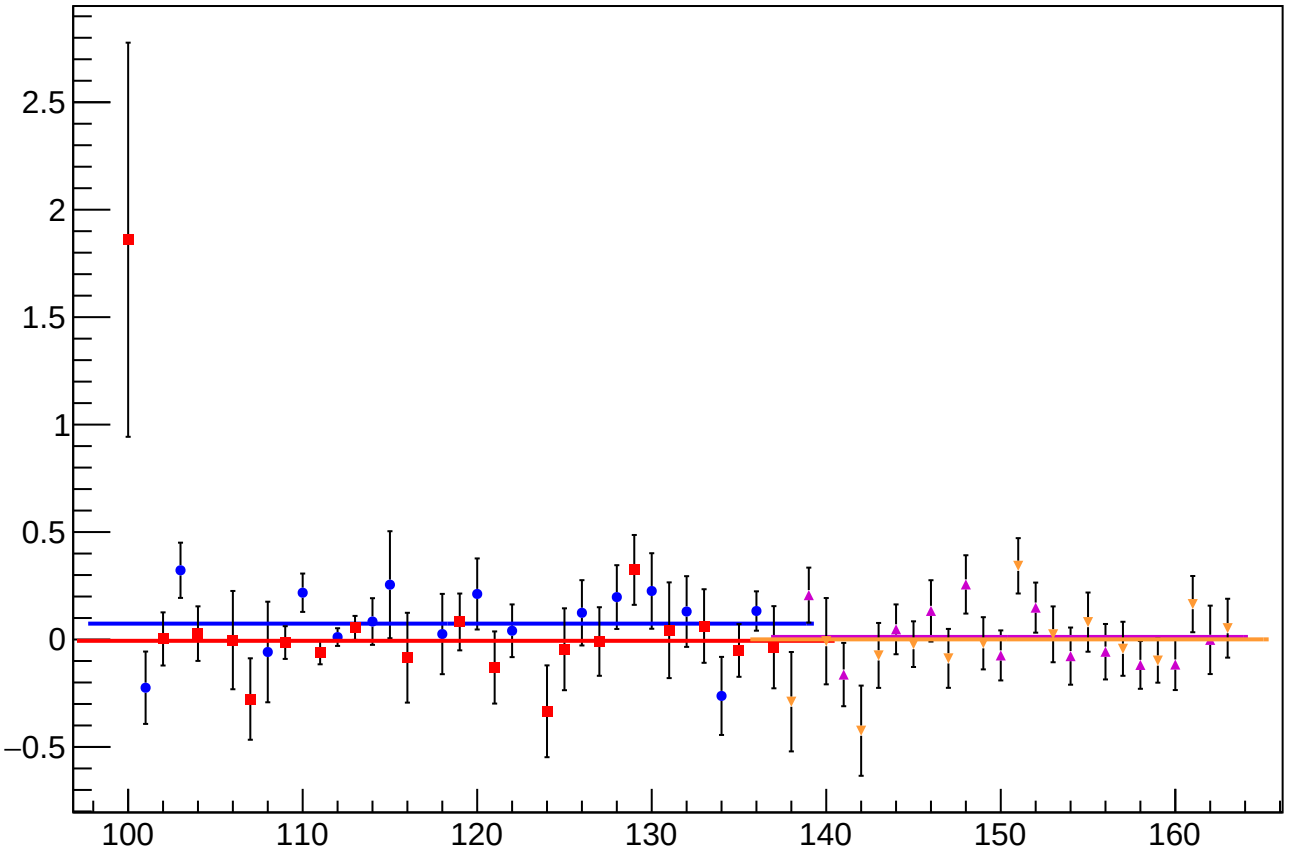
Left: 0.000+/-0.000 χ^2/NDF: 1505325.7/25

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2764157.1/27

Out: 0.000+/-0.000 χ^2/NDF:3103515.6/32

All: 0.000+/-0.000 χ^2/NDF: 5868241.3/60



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.037 χ^2/NDF:13.0/11

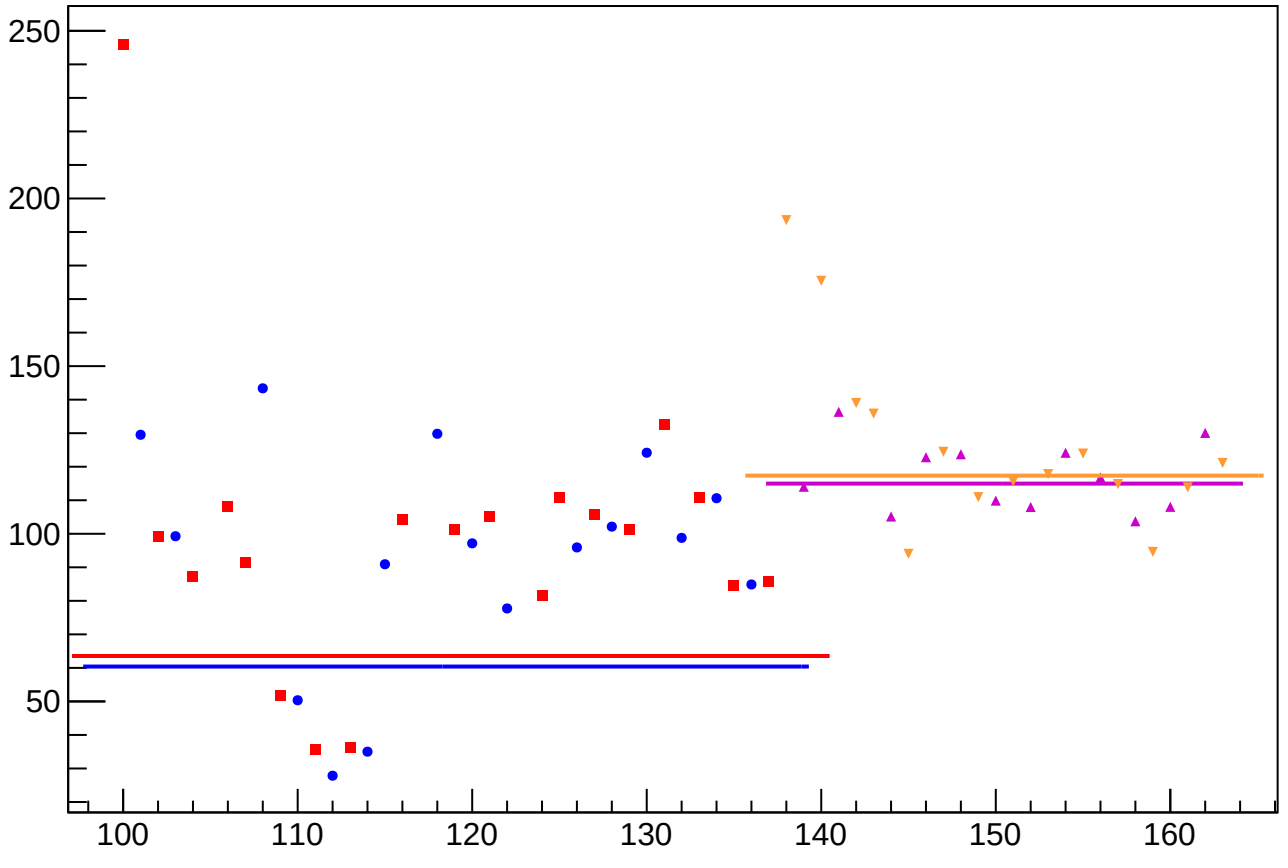
Left: 0.006+/-0.026 χ^2/NDF: 29.6/25

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.022 χ^2/NDF:33.8/27

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.024+/-0.015 χ^2/NDF: 70.2/60



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.343+/-0.026 χ^2/NDF:649904.3/13

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.964+/-0.026 χ^2/NDF:137255.7/11

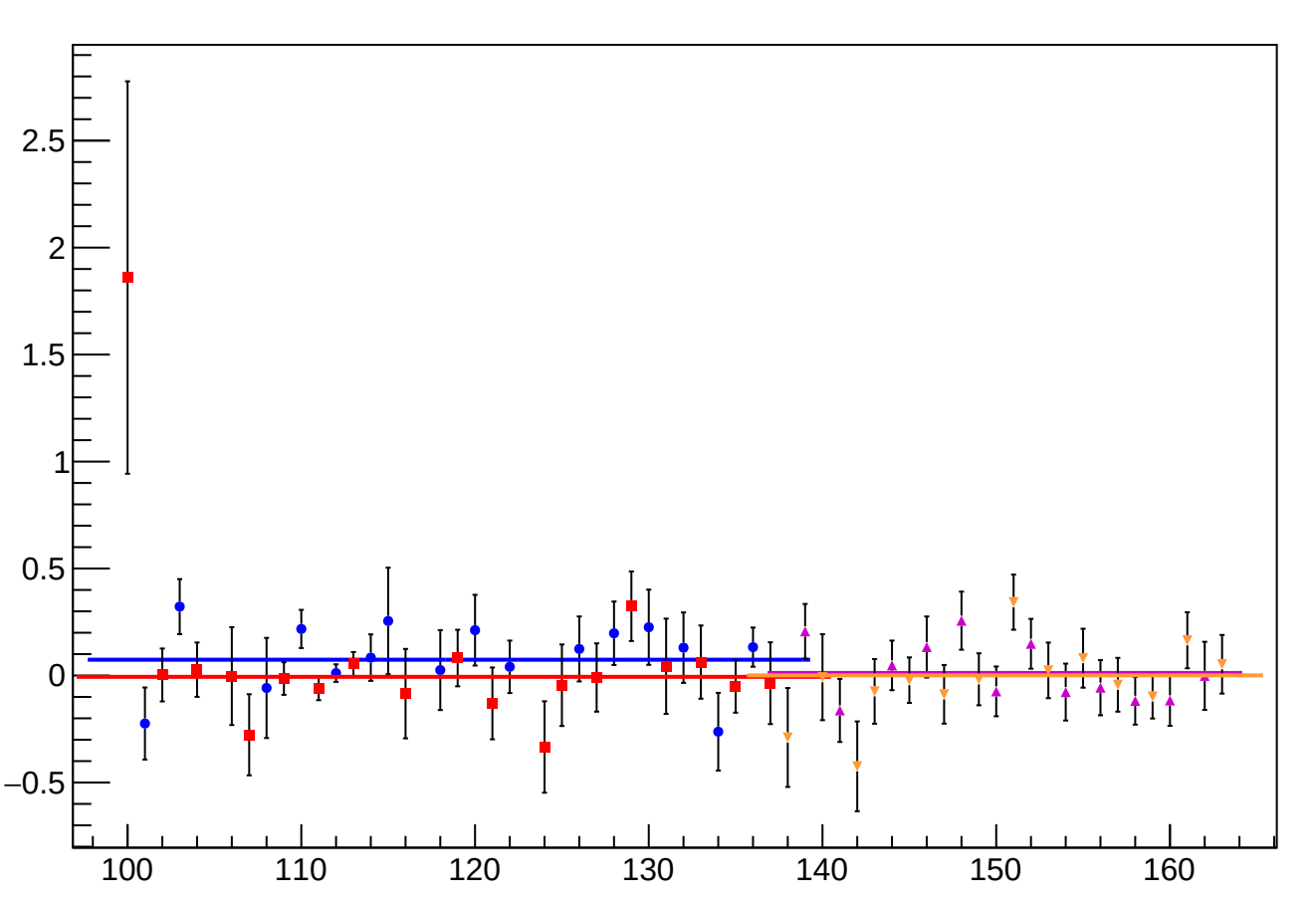
Left: 116.171+/-0.018 χ^2/NDF: 791407.0/25

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 79.537+/-0.015 χ^2/NDF:6537327.4/27

Out: 82.599+/-0.015 χ^2/NDF:6150689.5/32

All: 81.082+/-0.011 χ^2/NDF: 12707994.4/60



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.037 χ^2/NDF:13.0/11

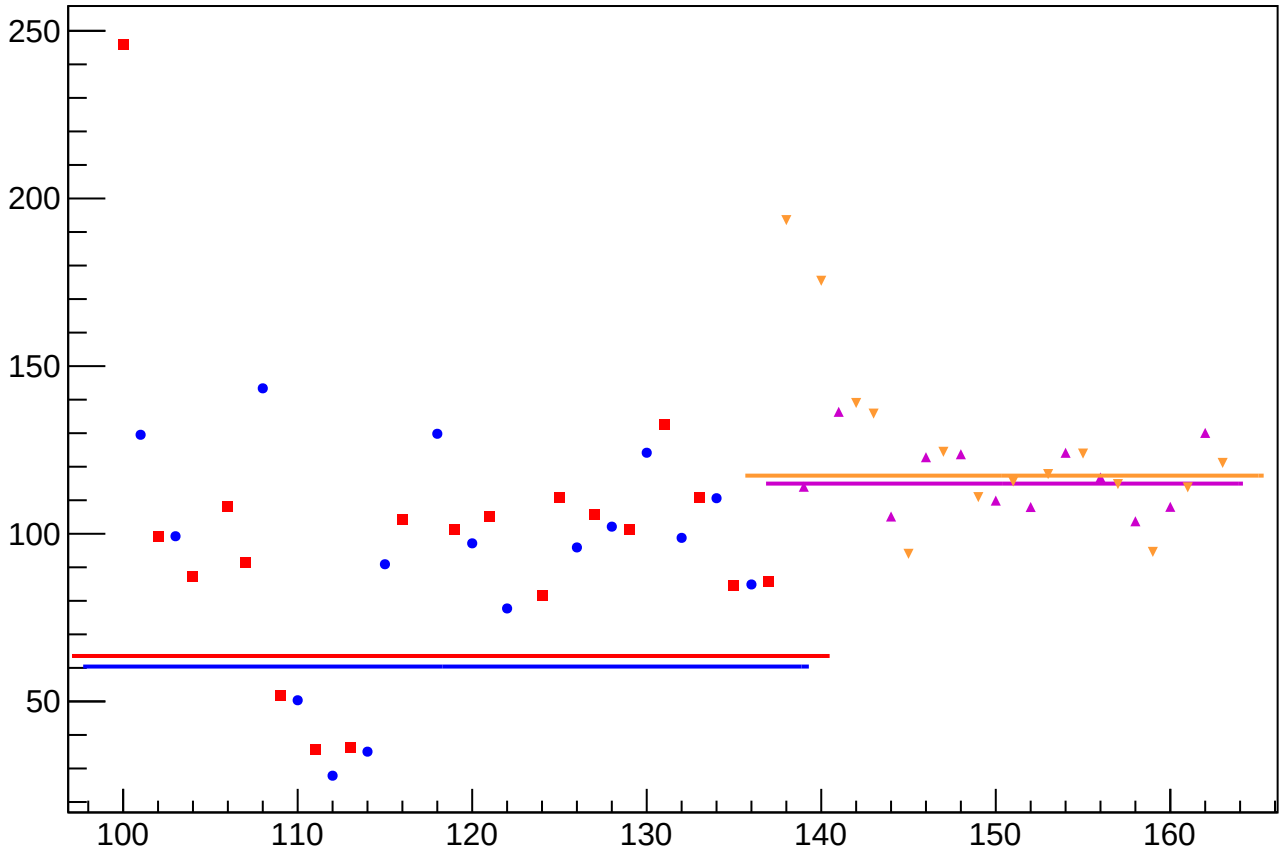
Left: 0.006+/-0.026 χ^2/NDF: 29.6/25

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.022 χ^2/NDF:33.8/27

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.024+/-0.015 χ^2/NDF: 70.2/60



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 117.343+/-0.026 χ^2/NDF:649904.3/13

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.964+/-0.026 χ^2/NDF:137255.7/11

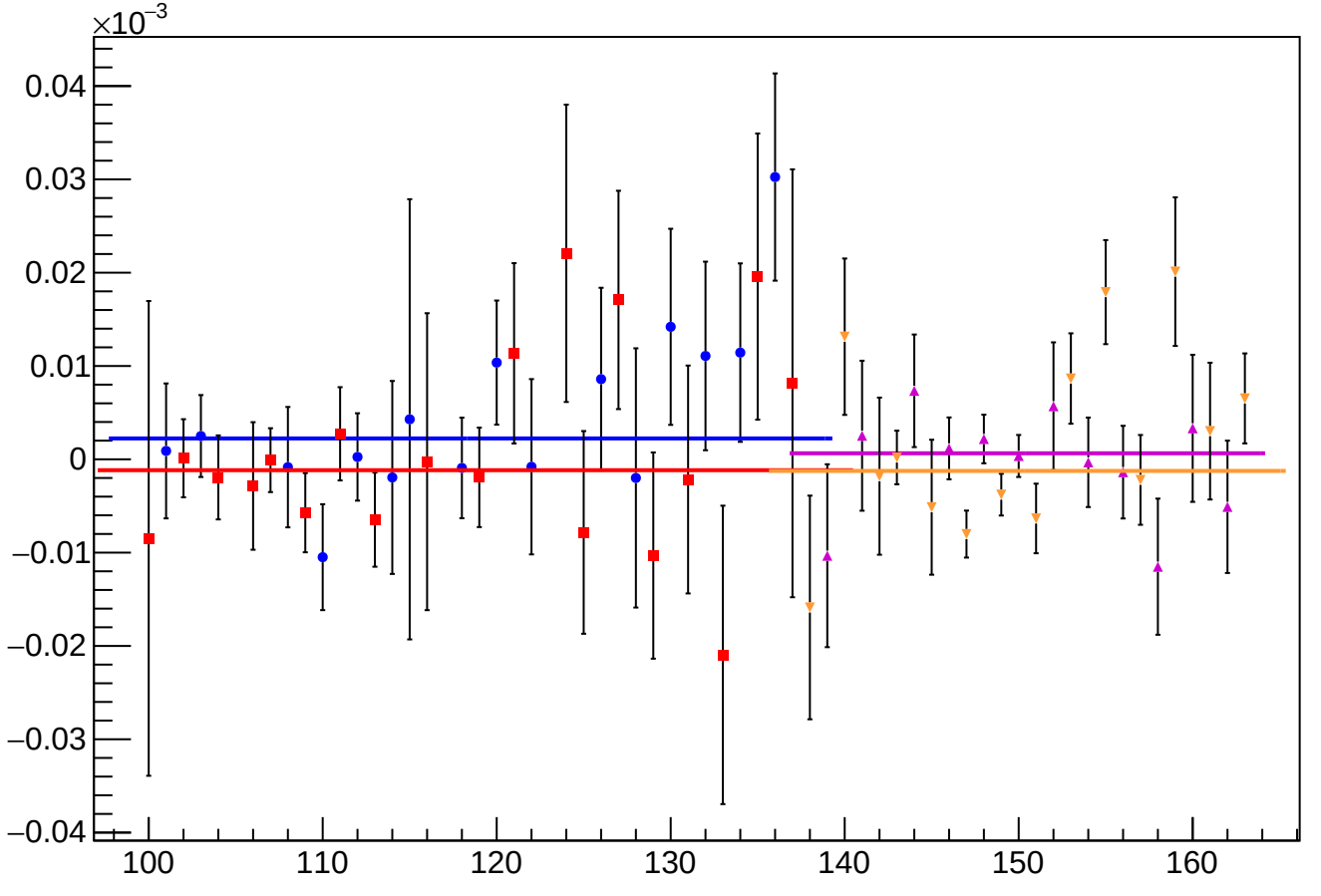
Left: 116.171+/-0.018 χ^2/NDF: 791407.0/25

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 79.537+/-0.015 χ^2/NDF:6537327.4/27

Out: 82.599+/-0.015 χ^2/NDF:6150689.5/32

All: 81.082+/-0.011 χ^2/NDF: 12707994.4/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:41.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/11

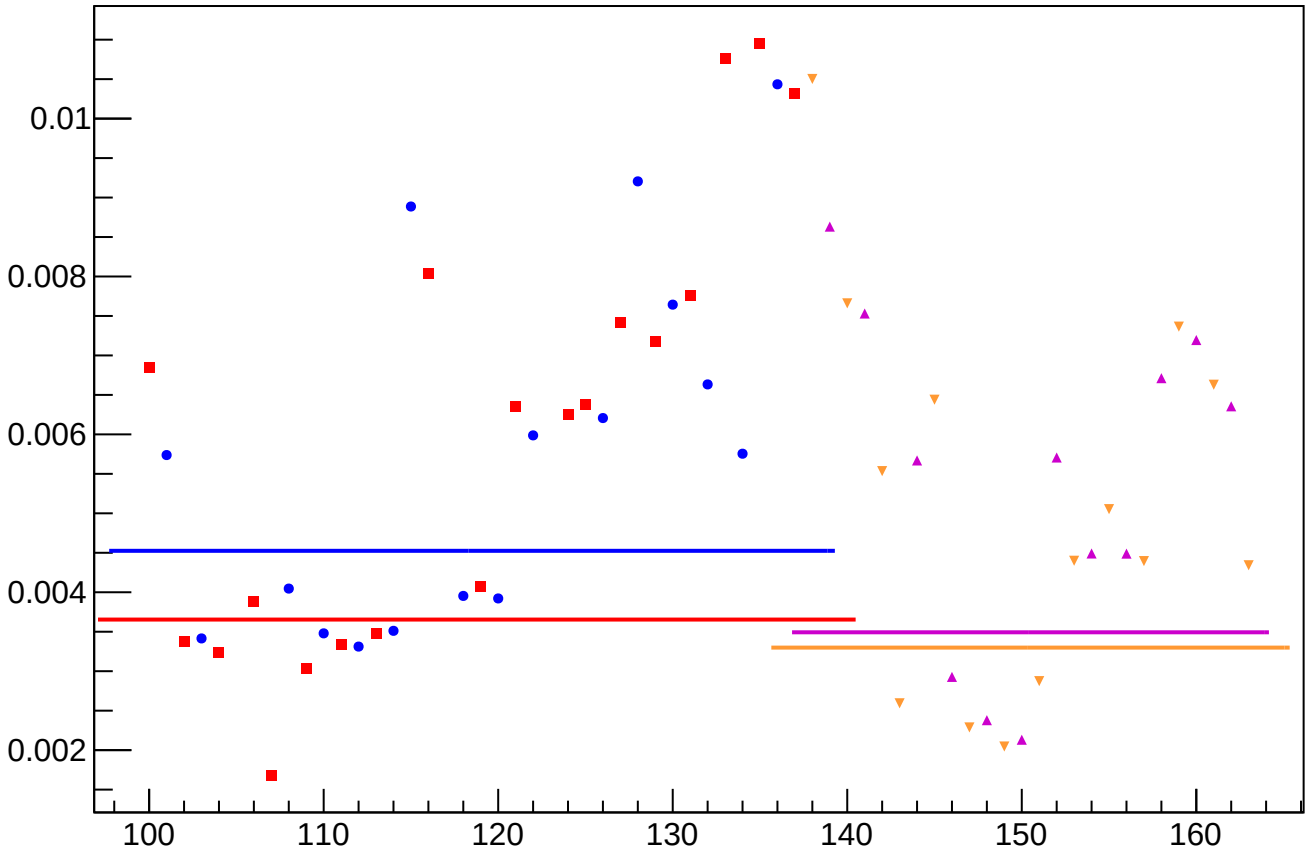
Left: -0.000+/-0.000 χ^2/NDF: 50.0/25

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:25.2/27

Out: -0.000+/-0.000 χ^2/NDF:55.6/32

All: -0.000+/-0.000 χ^2/NDF: 83.9/60



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:4311273.3/13

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:4003526.0/11

Left: 0.003+/-0.000 χ^2/NDF: 8341759.9/25

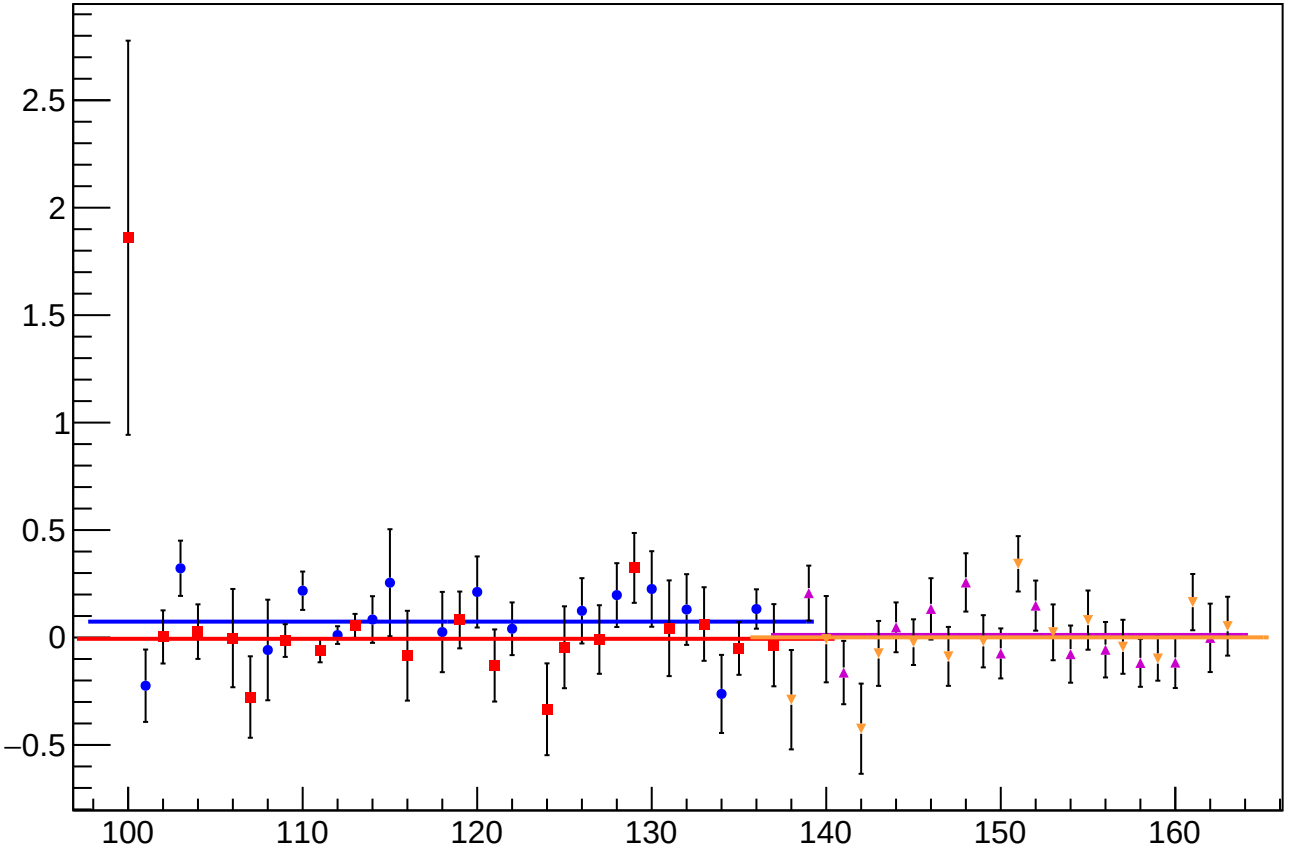
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:6166860.8/27

Out: 0.003+/-0.000 χ^2/NDF:7316624.0/32

All: 0.004+/-0.000 χ^2/NDF: 13653559.4/60

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: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.037 χ^2/NDF:13.0/11

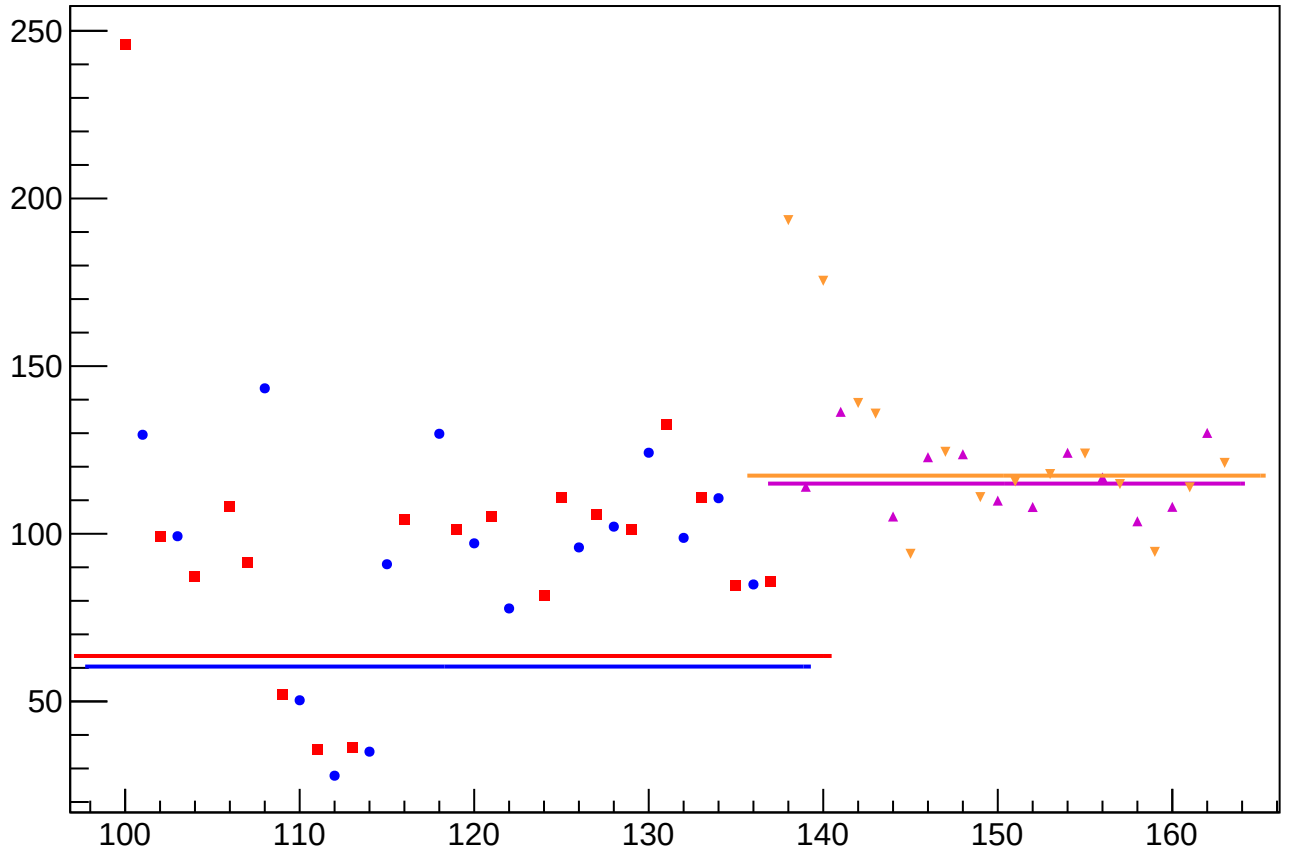
Left: 0.006+/-0.026 χ^2/NDF: 29.6/25

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.022 χ^2/NDF:33.8/27

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.024+/-0.015 χ^2/NDF: 70.2/60



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.966+/-0.026 χ^2/NDF:137258.2/11

Left: 116.172+/-0.018 χ^2/NDF: 791379.0/25

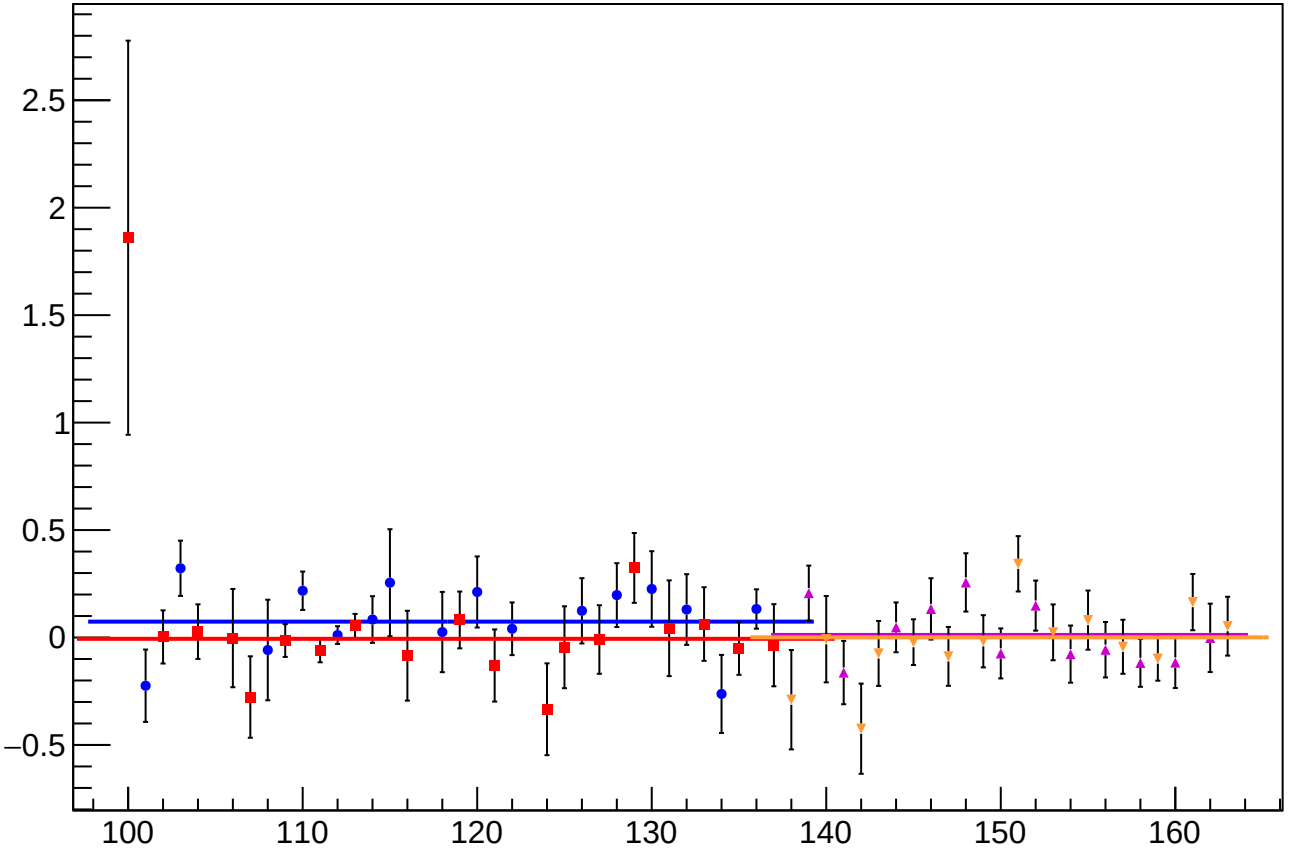
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 79.535+/-0.015 χ^2/NDF:6537946.7/27

Out: 82.597+/-0.015 χ^2/NDF:6151256.6/32

All: 81.081+/-0.011 χ^2/NDF: 12709185.6/60

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: 0.001+/-0.036 χ^2/NDF:16.6/13

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.037 χ^2/NDF:13.0/11

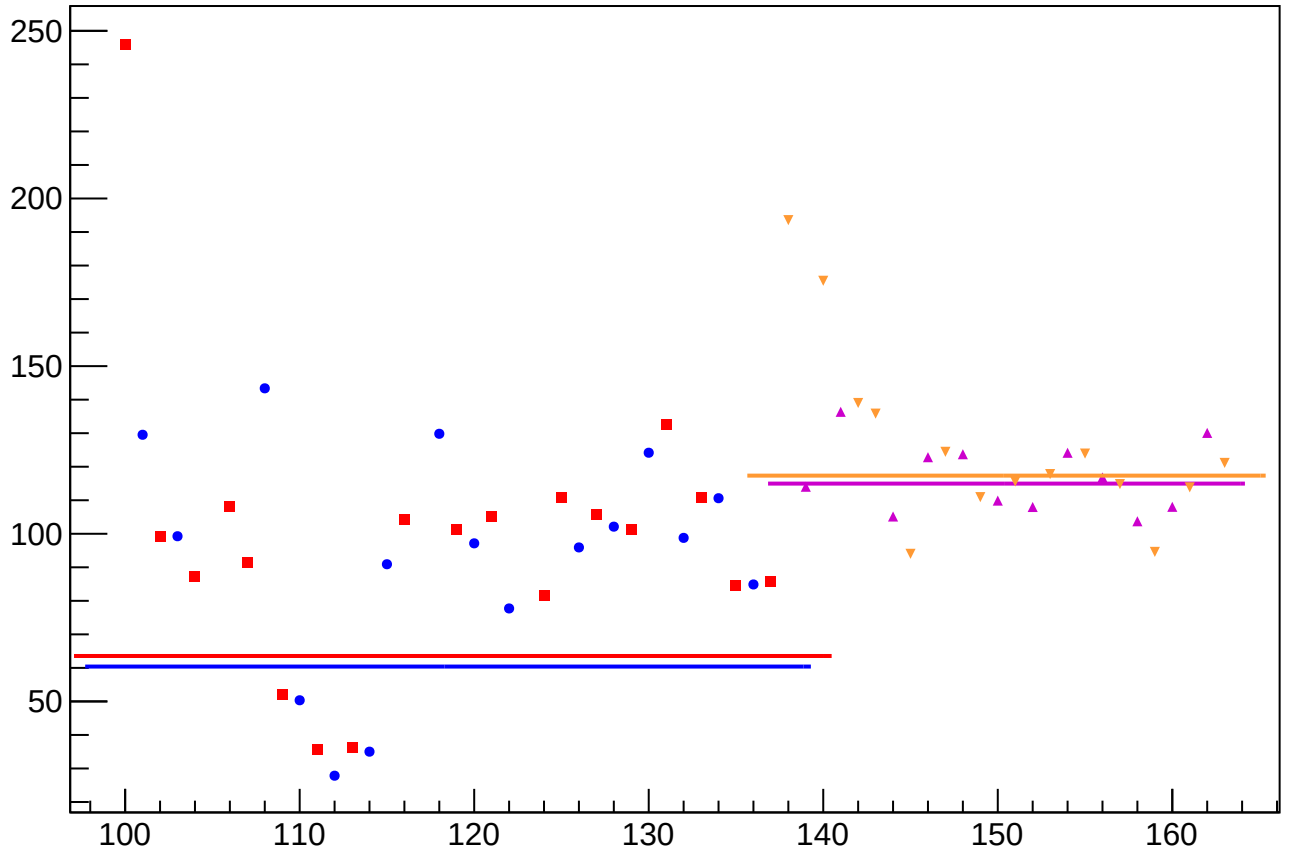
Left: 0.006+/-0.026 χ^2/NDF: 29.6/25

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.052+/-0.022 χ^2/NDF:33.8/27

Out: -0.004+/-0.022 χ^2/NDF:33.0/32

All: 0.024+/-0.015 χ^2/NDF: 70.2/60



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 117.344+/-0.026 χ^2/NDF:649873.8/13

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.966+/-0.026 χ^2/NDF:137258.2/11

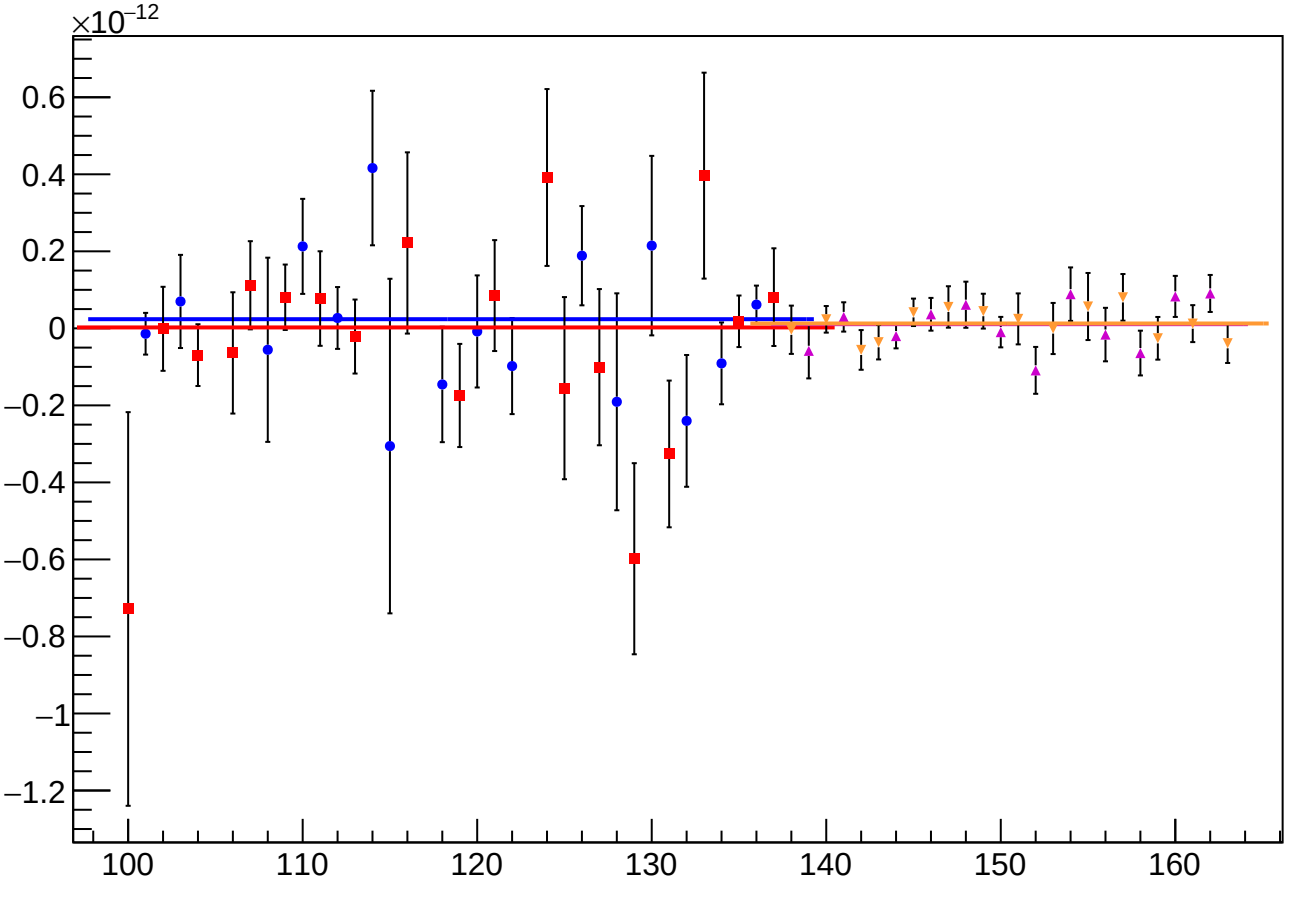
Left: 116.172+/-0.018 χ^2/NDF: 791379.0/25

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 79.535+/-0.015 χ^2/NDF:6537946.7/27

Out: 82.597+/-0.015 χ^2/NDF:6151256.6/32

All: 81.081+/-0.011 χ^2/NDF: 12709185.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/11

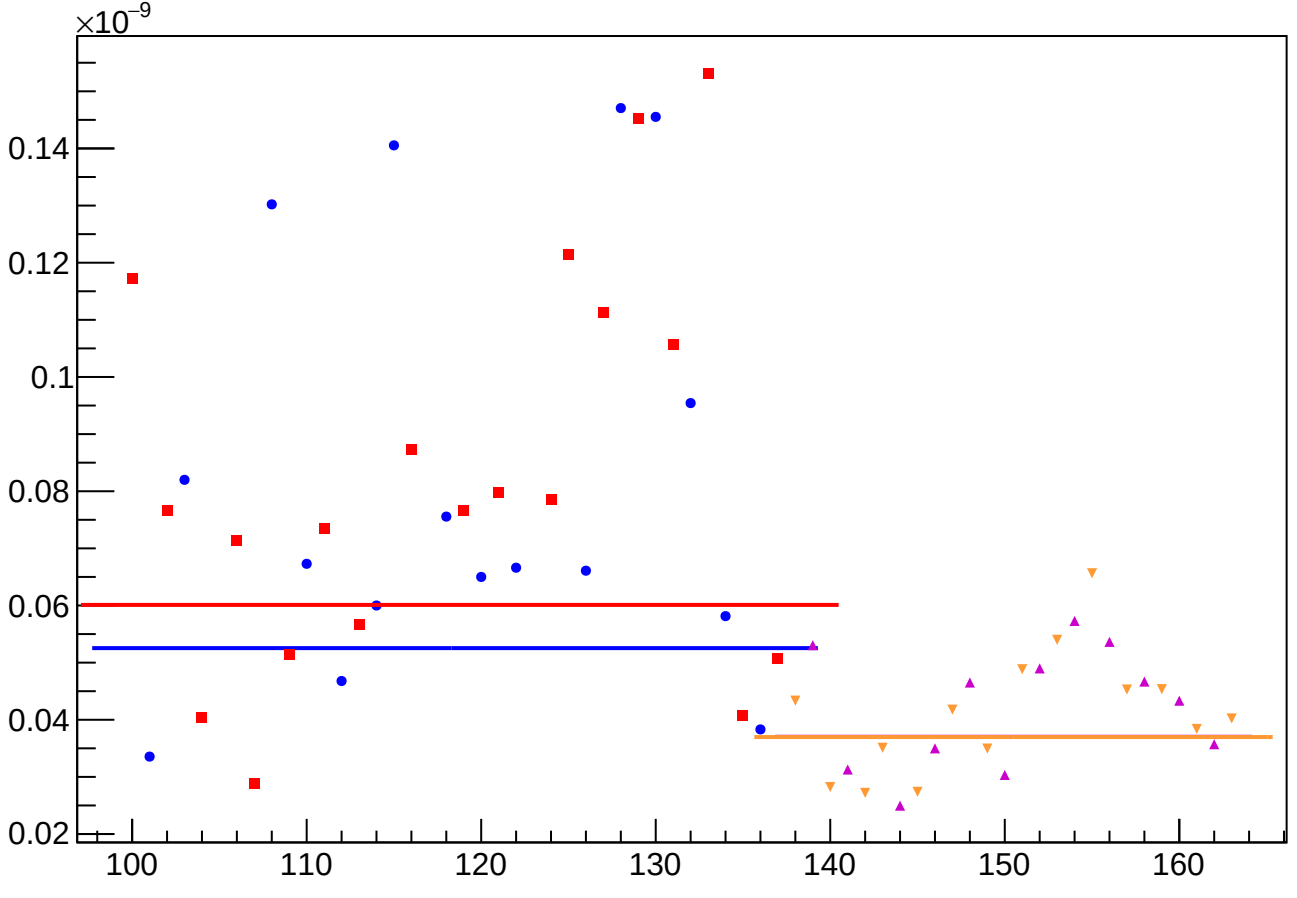
Left: 0.000+/-0.000 χ^2/NDF: 23.0/25

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:32.0/27

Out: 0.000+/-0.000 χ^2/NDF:31.3/32

All: 0.000+/-0.000 χ^2/NDF: 63.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:894878.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:990238.0/11

Left: 0.000+/-0.000 χ^2/NDF: 1885127.4/25

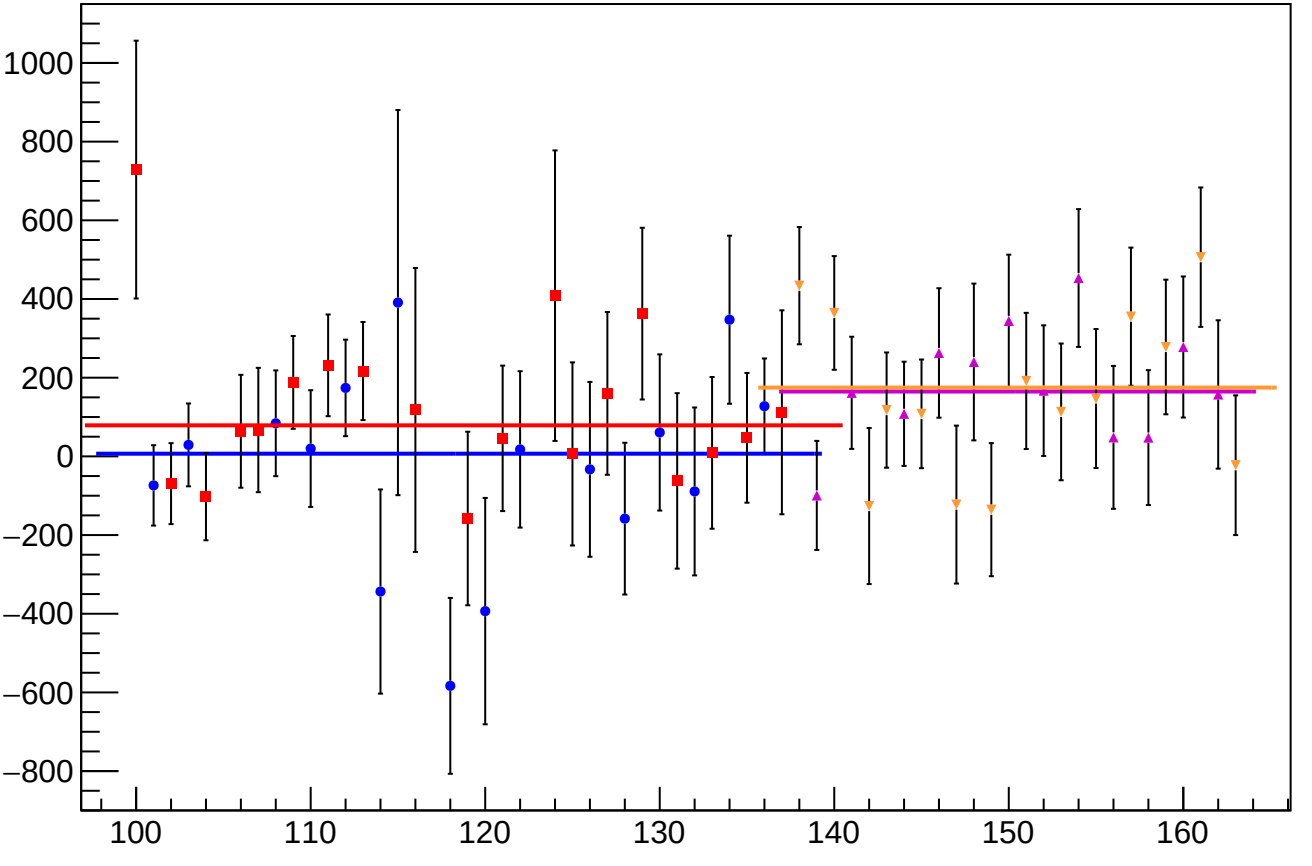
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3185373.0/27

Out: 0.000+/-0.000 χ^2/NDF:3490787.2/32

All: 0.000+/-0.000 χ^2/NDF: 6678494.8/60

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.859+/-44.456 χ^2/NDF:19.3/13

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 164.783+/-47.240 χ^2/NDF:9.4/11

Left: 170.127+/-32.375 χ^2/NDF: 28.8/25

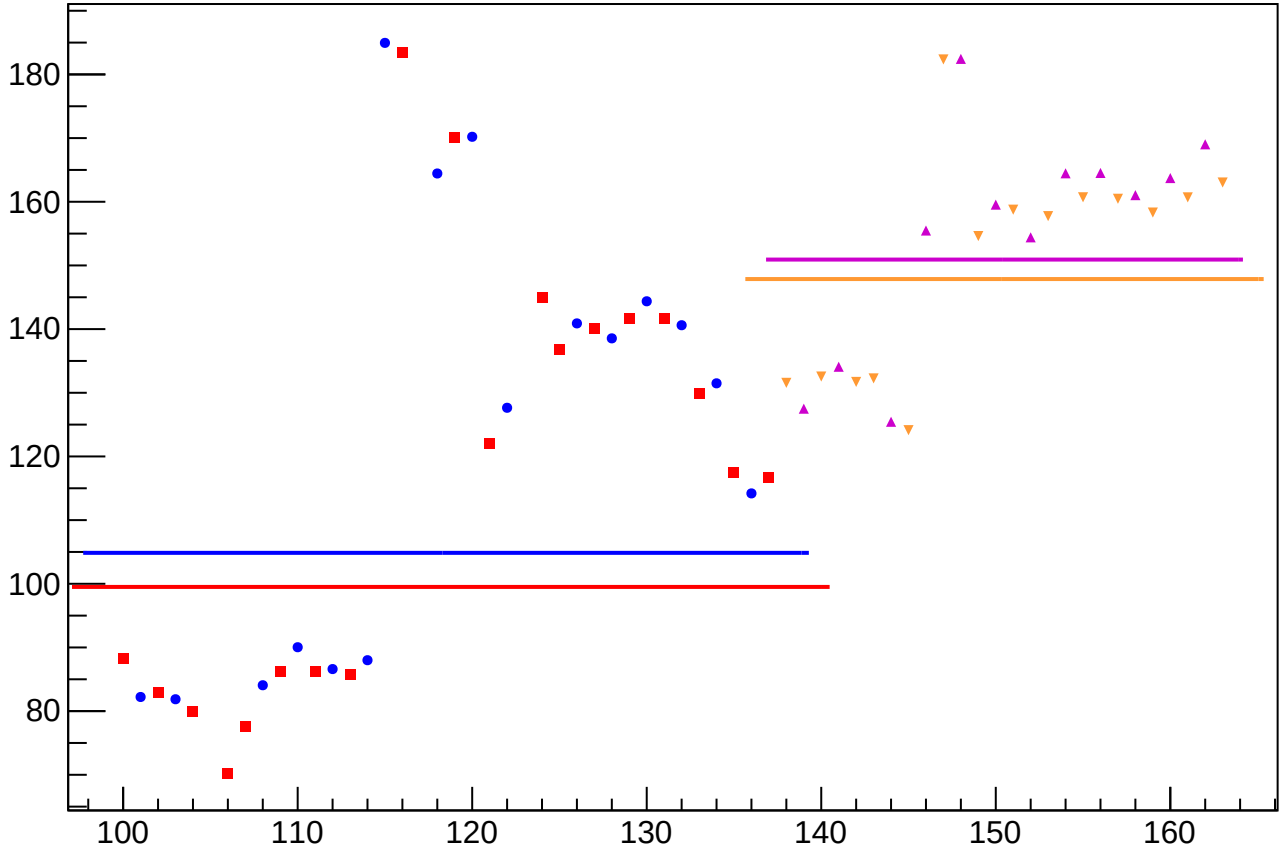
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 73.452+/-30.683 χ^2/NDF:34.7/27

Out: 119.286+/-28.844 χ^2/NDF:38.7/32

All: 97.783+/-21.016 χ^2/NDF: 74.6/60

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 150.921+/-0.033 χ^2/NDF:275498.5/11

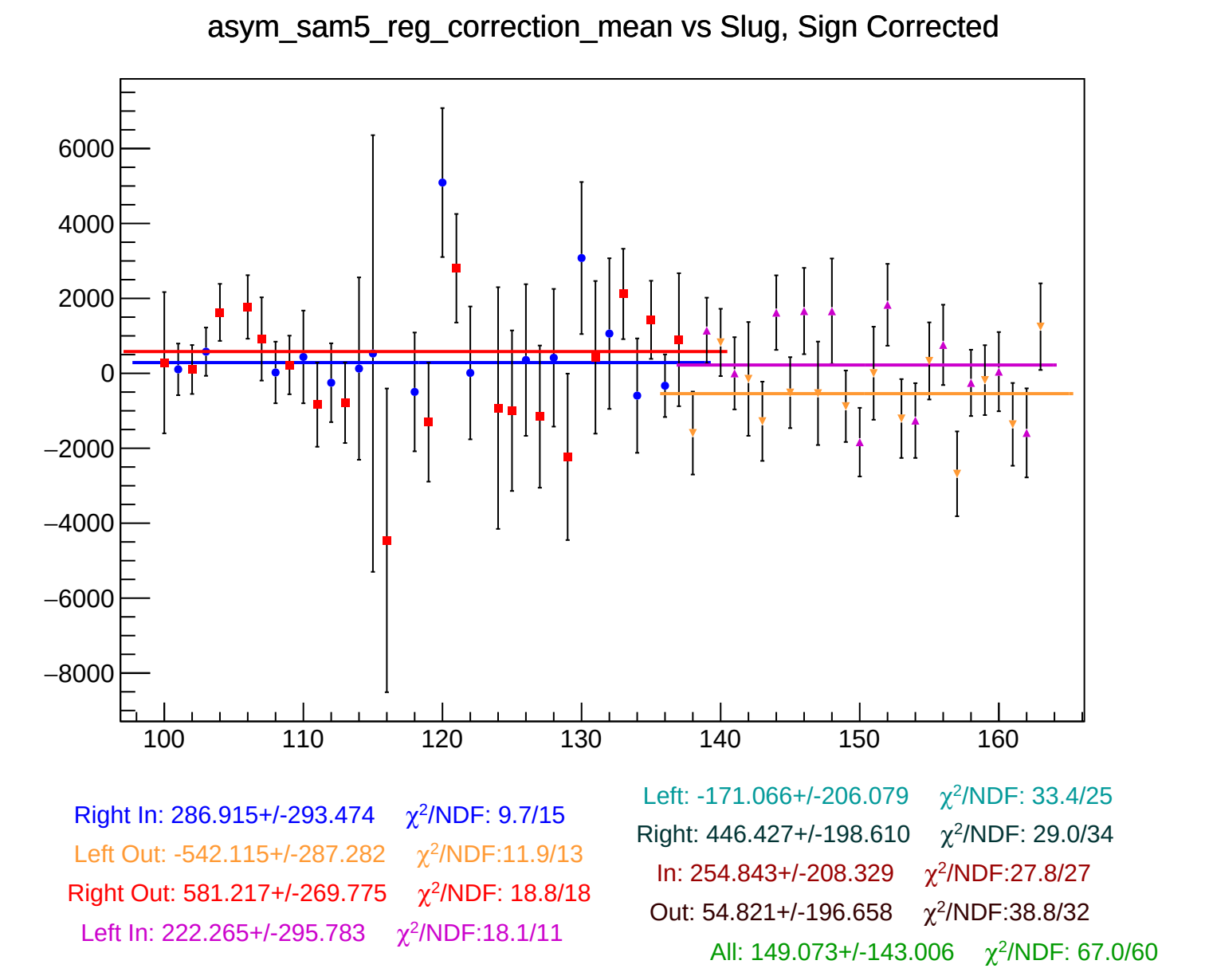
Left: 149.298+/-0.023 χ^2/NDF: 551486.5/25

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

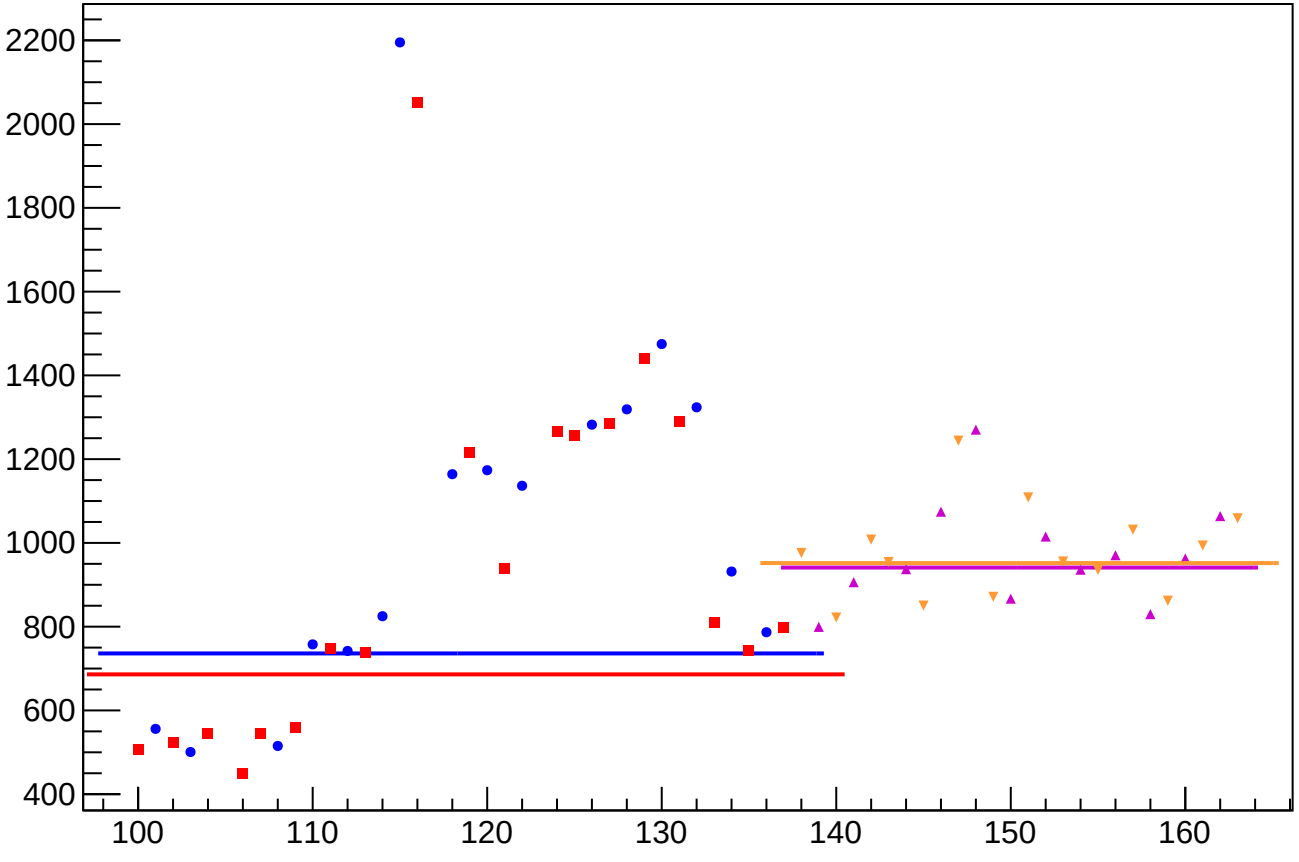
In: 124.291+/-0.022 χ^2/NDF:2306022.5/27

Out: 119.863+/-0.020 χ^2/NDF:2680594.5/32

All: 121.940+/-0.015 χ^2/NDF: 5008727.6/60


asym_sam5_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 286.915+/-293.474 χ²/NDF: 9.7/15
Left Out: -542.115+/-287.282 χ²/NDF:11.9/13
Right Out: 581.217+/-269.775 χ²/NDF: 18.8/18
Left In: 222.265+/-295.783 χ²/NDF:18.1/11
Left: -171.066+/-206.079 χ²/NDF: 33.4/25
Right: 446.427+/-198.610 χ²/NDF: 29.0/34
In: 254.843+/-208.329 χ²/NDF:27.8/27
Out: 54.821+/-196.658 χ²/NDF:38.8/32
All: 149.073+/-143.006 χ²/NDF: 67.0/60

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.3/13

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 941.165+/-0.209 χ^2/NDF:268814.9/11

Left: 946.658+/-0.146 χ^2/NDF: 523601.6/25

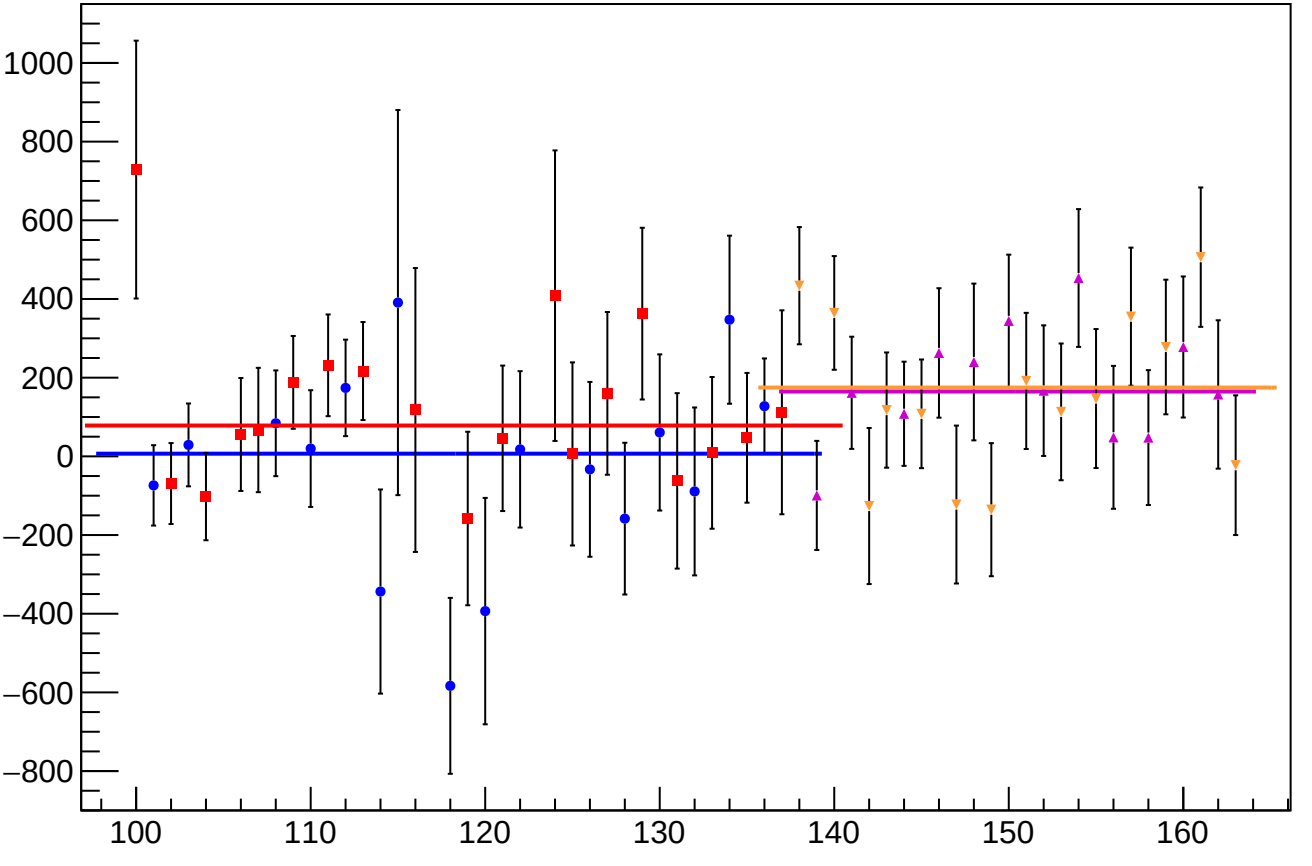
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 837.821+/-0.147 χ^2/NDF:2597814.7/27

Out: 810.631+/-0.139 χ^2/NDF:2981945.3/32

All: 823.443+/-0.101 χ^2/NDF: 5597775.3/60

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.856+/-44.456 χ^2/NDF:19.3/13

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 164.786+/-47.240 χ^2/NDF:9.4/11

Left: 170.126+/-32.375 χ^2/NDF: 28.8/25

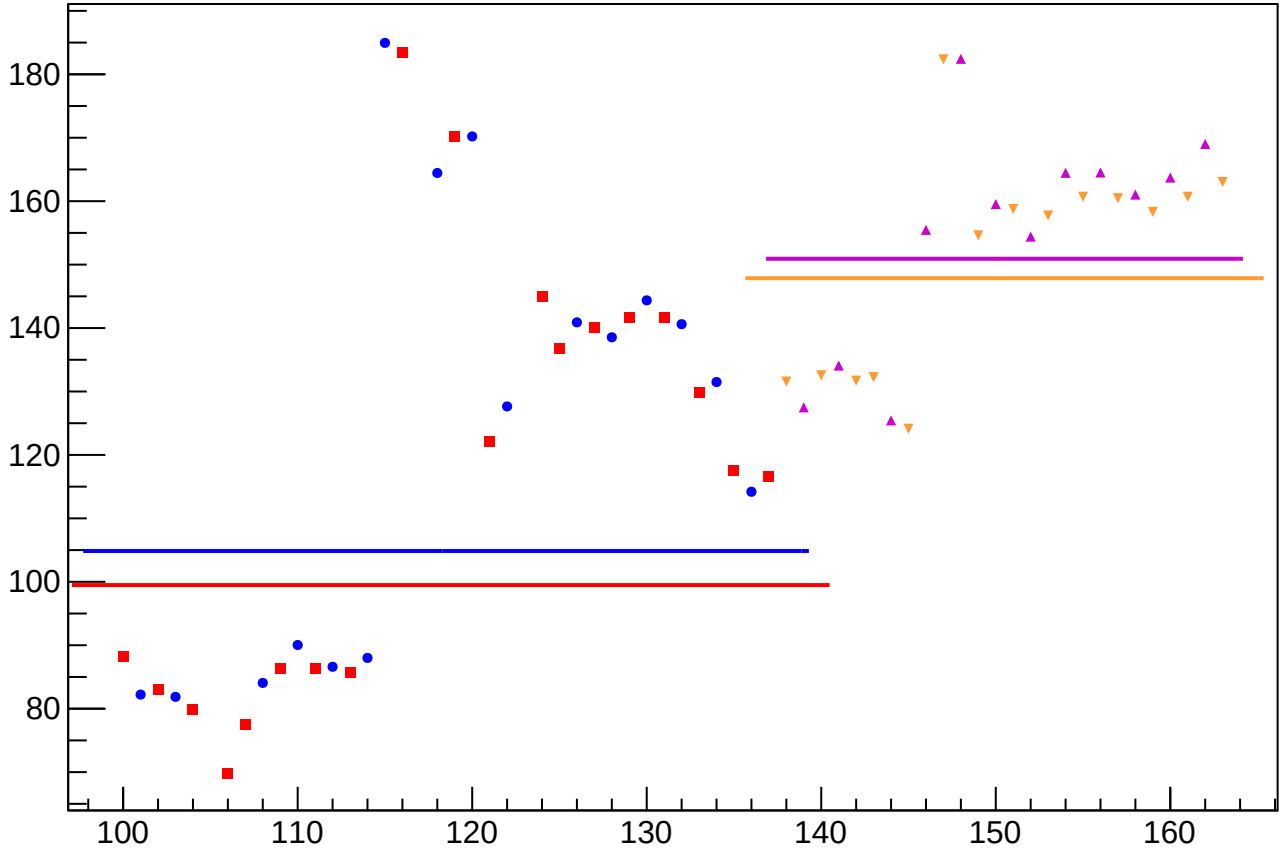
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 73.447+/-30.683 χ^2/NDF:34.7/27

Out: 118.978+/-28.845 χ^2/NDF:38.7/32

All: 97.616+/-21.016 χ^2/NDF: 74.6/60

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 150.921+/-0.033 χ^2/NDF:275498.5/11

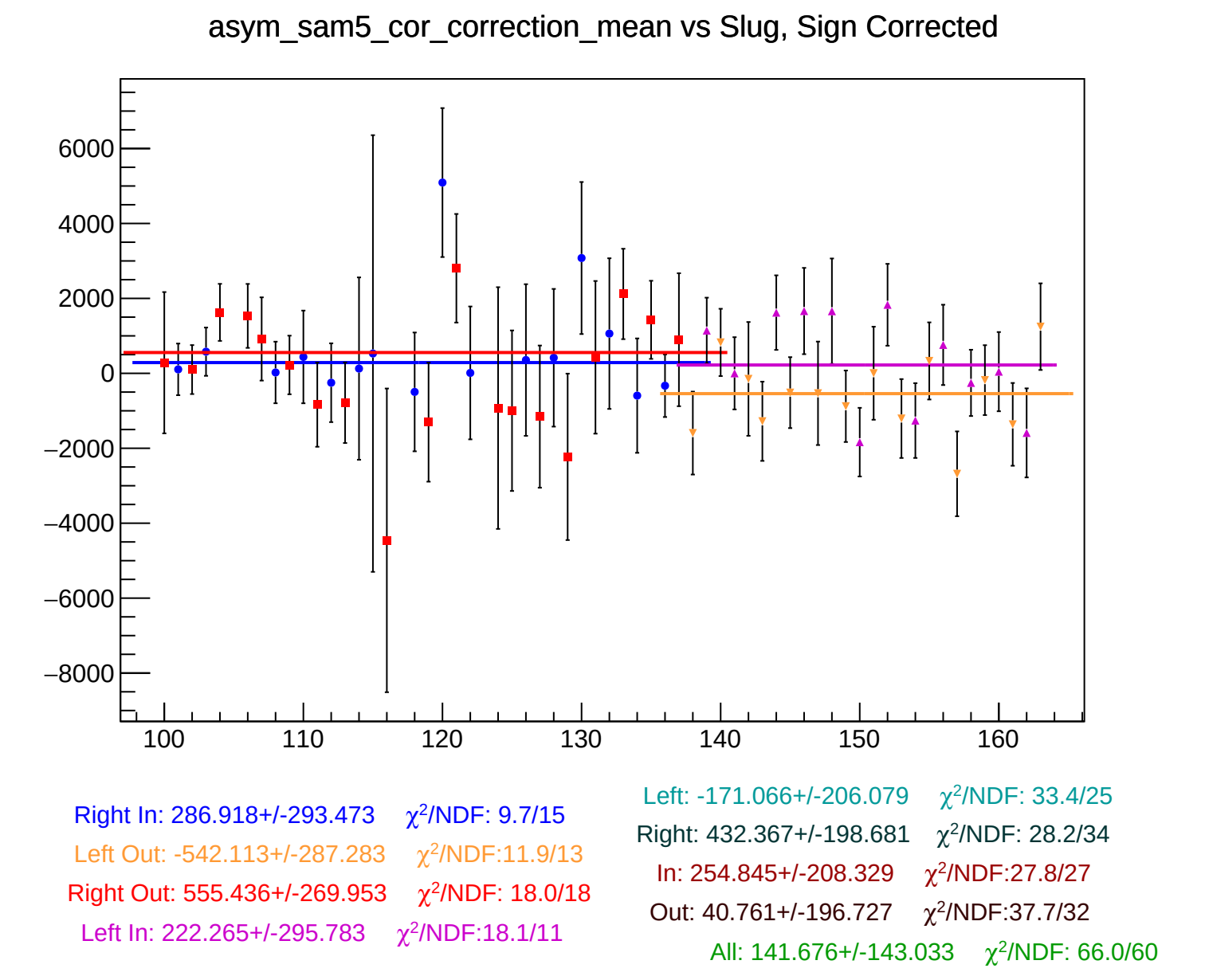
Left: 149.298+/-0.023 χ^2/NDF: 551486.5/25

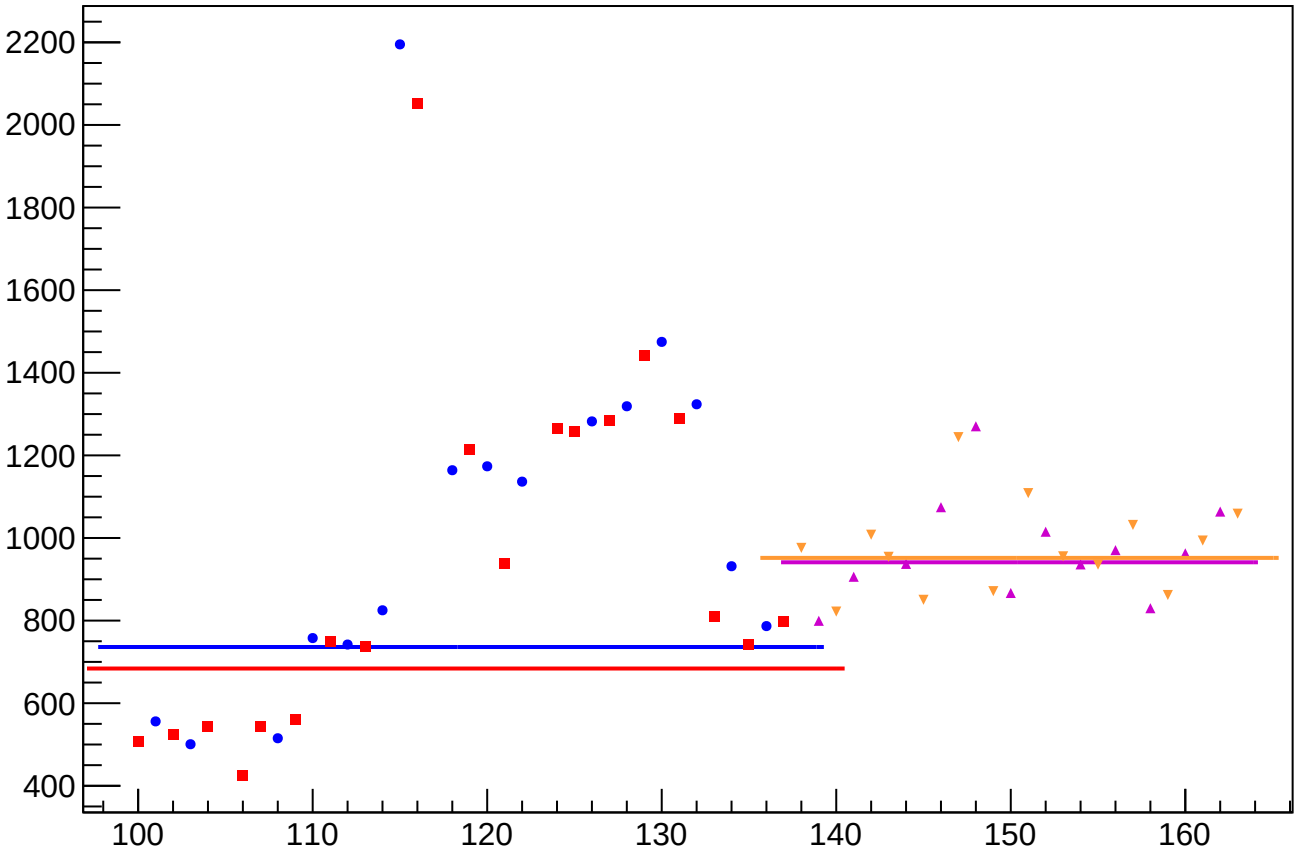
Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 124.291+/-0.022 χ^2/NDF:2306021.0/27

Out: 119.851+/-0.020 χ^2/NDF:2684053.5/32

All: 121.934+/-0.015 χ^2/NDF: 5012306.1/60


asym_sam5_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -542.113+/-287.283 χ²/NDF:11.9/13
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 222.265+/-295.783 χ²/NDF:18.1/11
Left: -171.066+/-206.079 χ²/NDF: 33.4/25
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 254.845+/-208.329 χ²/NDF:27.8/27
Out: 40.761+/-196.727 χ²/NDF:37.7/32
All: 141.676+/-143.033 χ²/NDF: 66.0/60



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.0/13

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 941.166+/-0.209 χ^2/NDF:268815.1/11

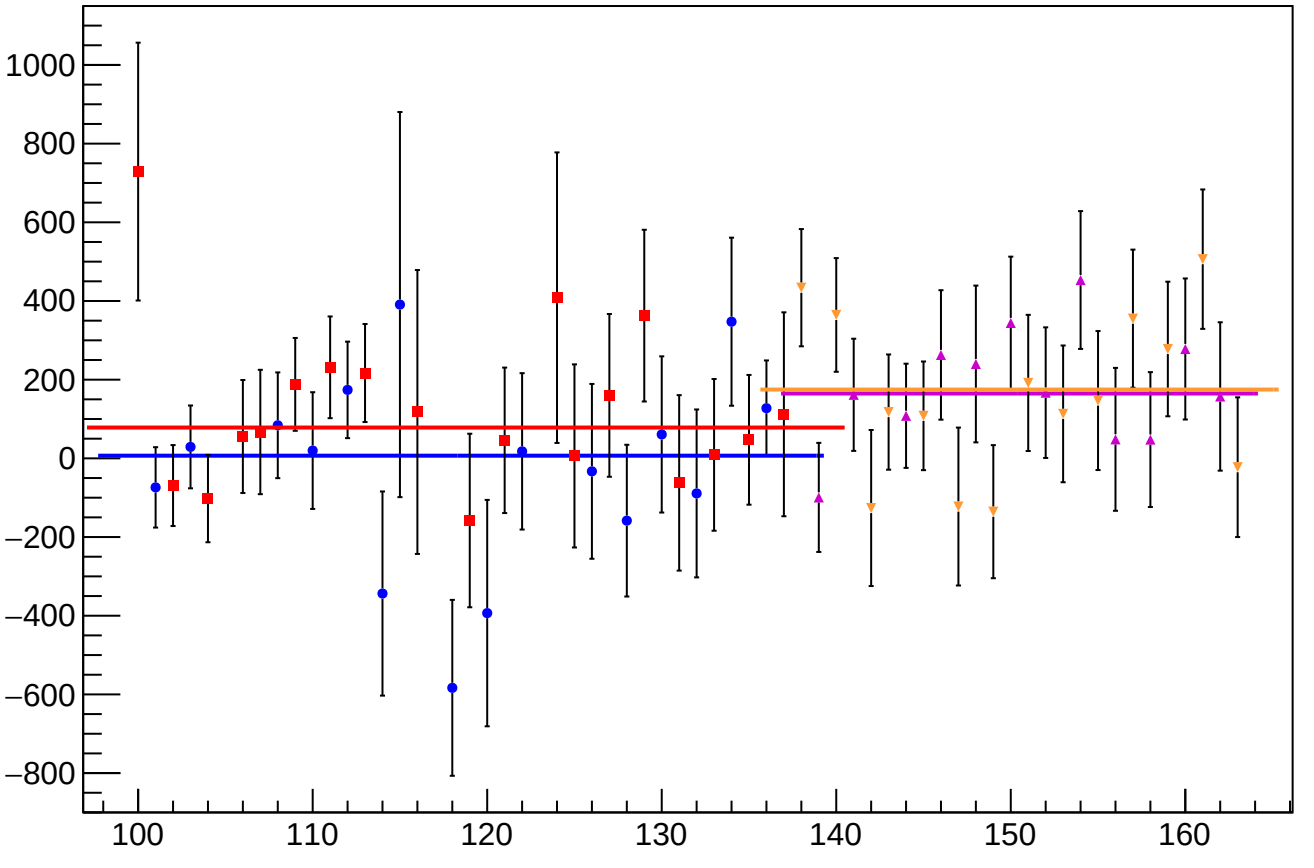
Left: 946.659+/-0.146 χ^2/NDF: 523601.6/25

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 837.821+/-0.147 χ^2/NDF:2597820.6/27

Out: 809.588+/-0.139 χ^2/NDF:3027220.7/32

All: 822.897+/-0.101 χ^2/NDF: 5644457.3/60



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 174.856+/-44.456 χ^2/NDF:19.3/13

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 164.786+/-47.240 χ^2/NDF:9.4/11

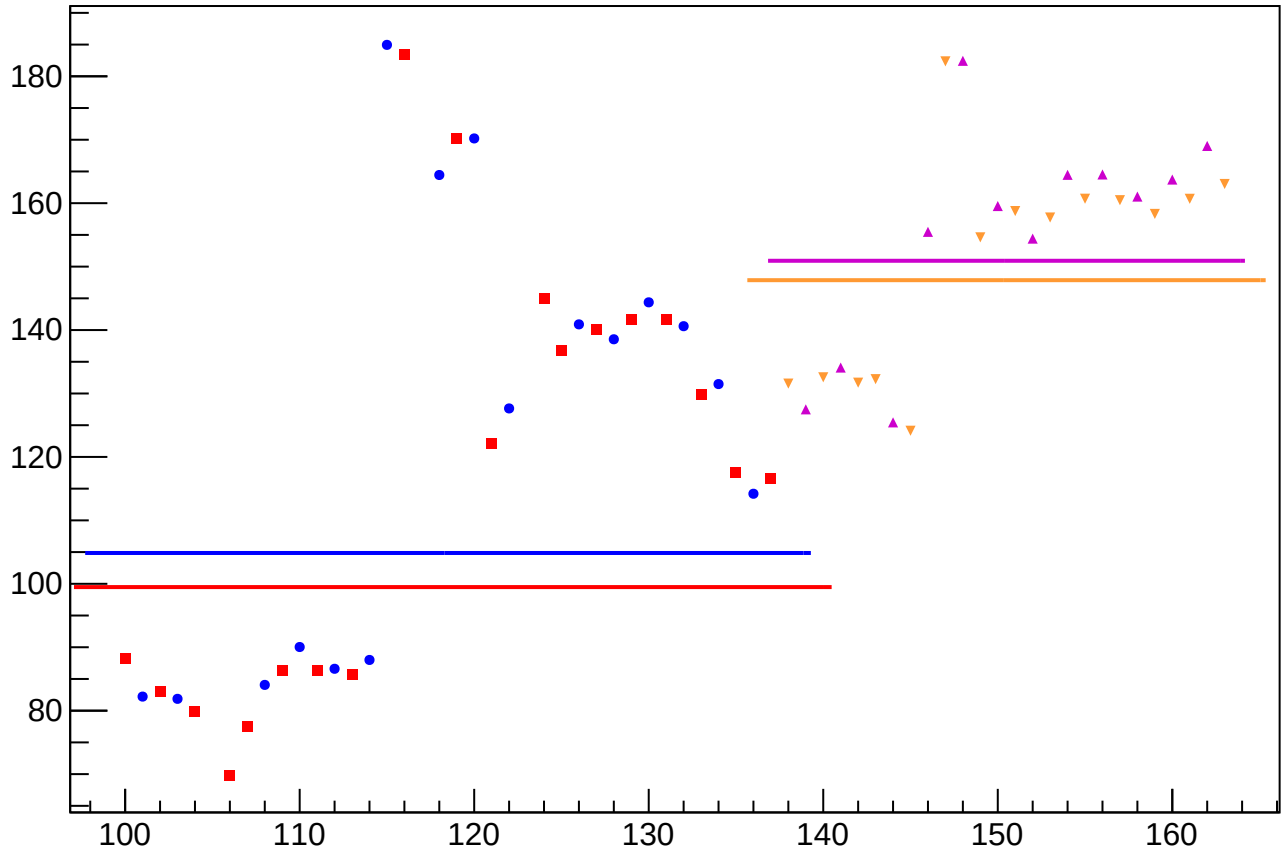
Left: 170.126+/-32.375 χ^2/NDF: 28.8/25

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 73.447+/-30.683 χ^2/NDF:34.7/27

Out: 118.978+/-28.845 χ^2/NDF:38.7/32

All: 97.616+/-21.016 χ^2/NDF: 74.6/60



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 147.861+/-0.031 χ^2/NDF:271538.7/13

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 150.921+/-0.033 χ^2/NDF:275498.5/11

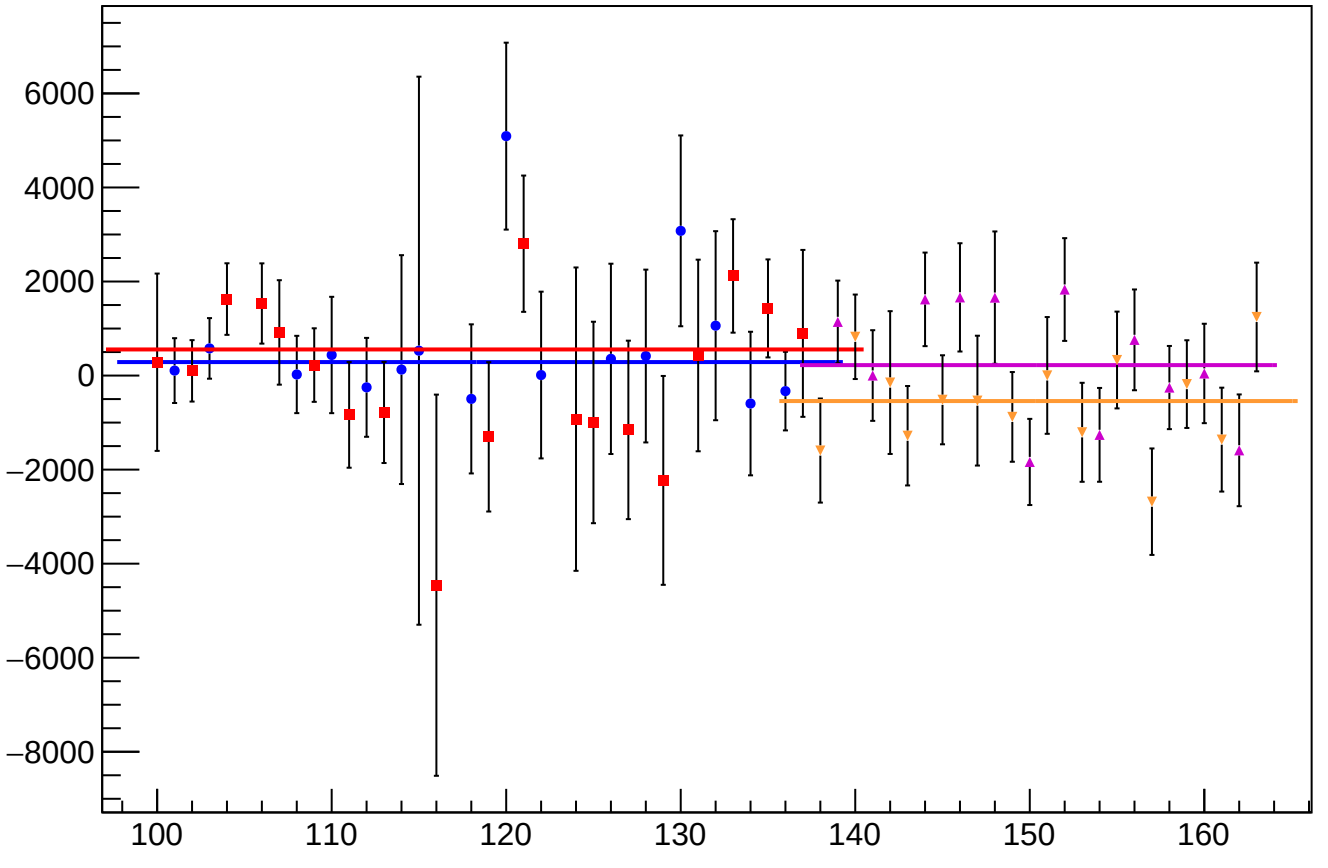
Left: 149.298+/-0.023 χ^2/NDF: 551486.5/25

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 124.291+/-0.022 χ^2/NDF:2306021.0/27

Out: 119.851+/-0.020 χ^2/NDF:2684053.5/32

All: 121.934+/-0.015 χ^2/NDF: 5012306.1/60



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -542.113+/-287.283 χ^2/NDF:11.9/13

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 222.265+/-295.783 χ^2/NDF:18.1/11

Left: -171.066+/-206.079 χ^2/NDF: 33.4/25

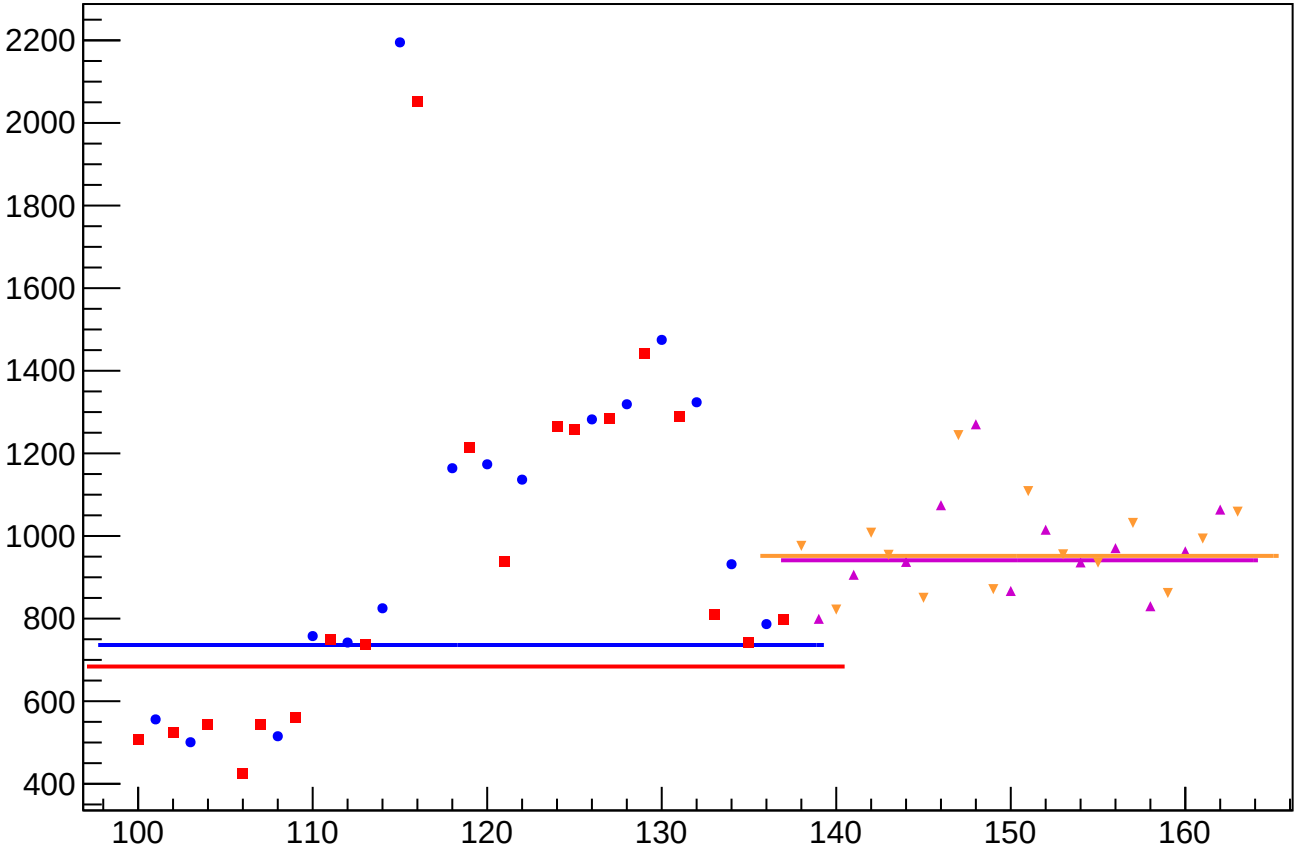
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 254.845+/-208.329 χ^2/NDF:27.8/27

Out: 40.761+/-196.727 χ^2/NDF:37.7/32

All: 141.676+/-143.033 χ^2/NDF: 66.0/60

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 951.840+/-0.203 χ^2/NDF:253446.0/13

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 941.166+/-0.209 χ^2/NDF:268815.1/11

Left: 946.659+/-0.146 χ^2/NDF: 523601.6/25

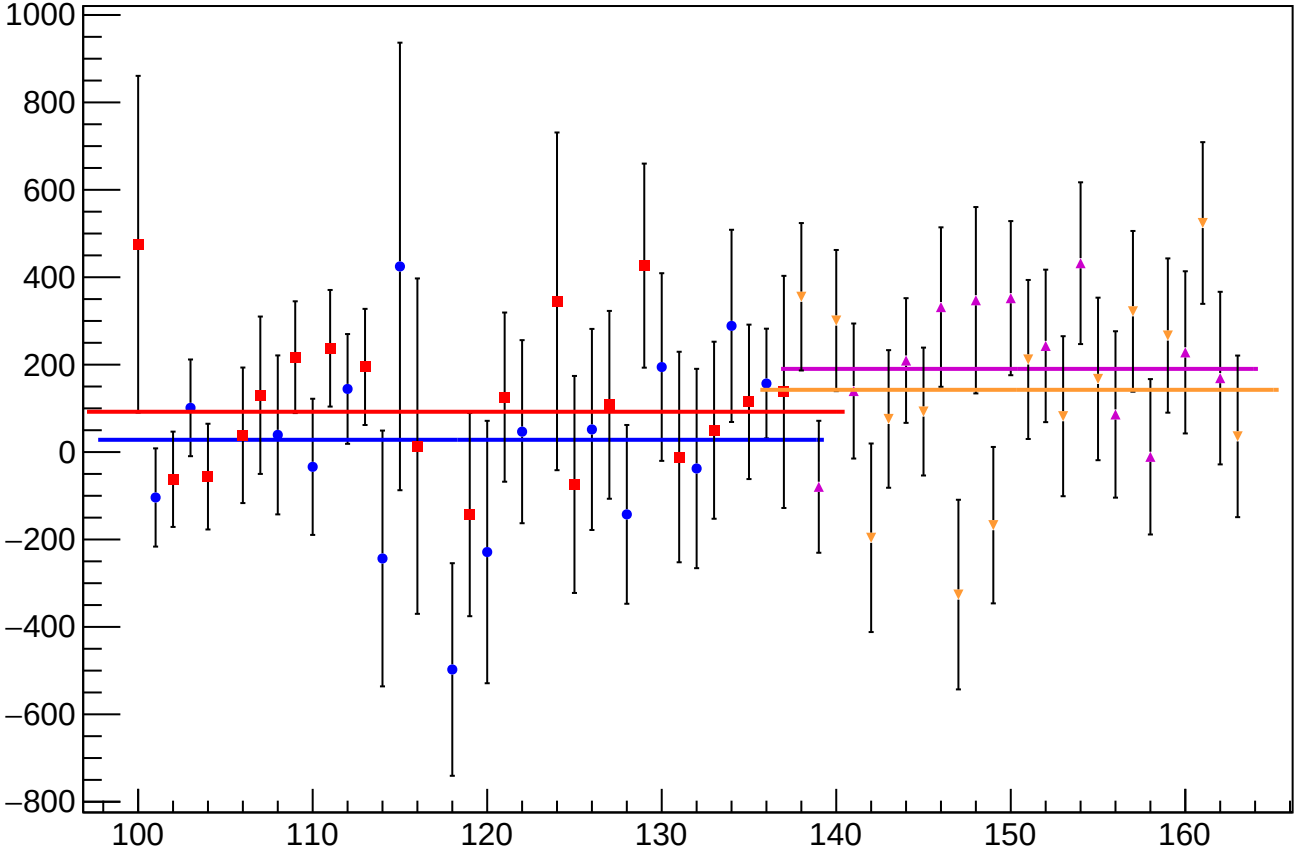
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 837.821+/-0.147 χ^2/NDF:2597820.6/27

Out: 809.588+/-0.139 χ^2/NDF:3027220.7/32

All: 822.897+/-0.101 χ^2/NDF: 5644457.3/60

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 142.437+/-47.473 χ^2/NDF:19.3/13

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 190.324+/-50.303 χ^2/NDF:8.7/11

Left: 164.995+/-34.526 χ^2/NDF: 28.5/25

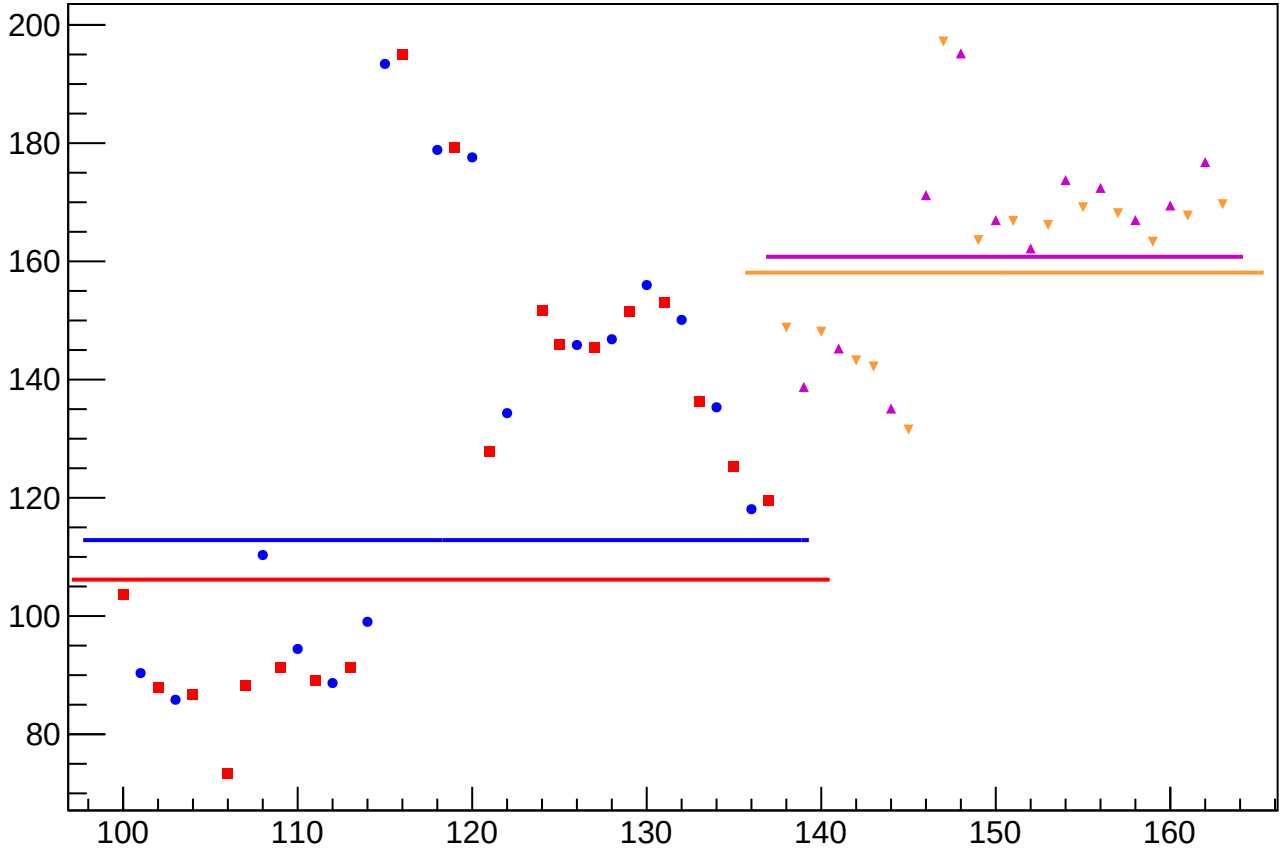
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 97.392+/-32.877 χ^2/NDF:28.2/27

Out: 113.412+/-30.828 χ^2/NDF:31.6/32

All: 105.917+/-22.488 χ^2/NDF: 60.0/60

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 158.091+/-0.034 χ^2/NDF:212938.6/13

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 160.778+/-0.036 χ^2/NDF:226057.5/11

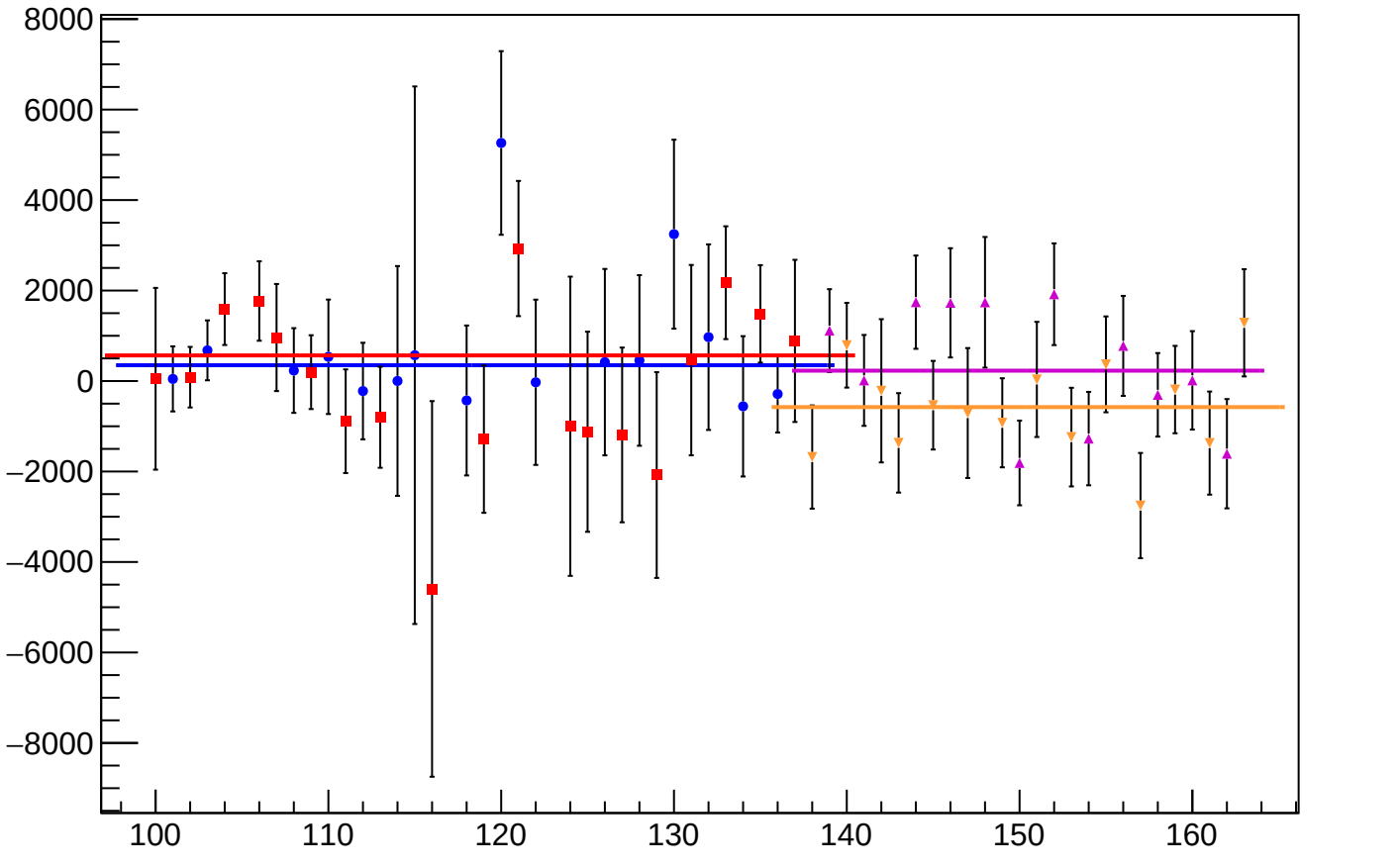
Left: 159.356+/-0.024 χ^2/NDF: 442013.9/25

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

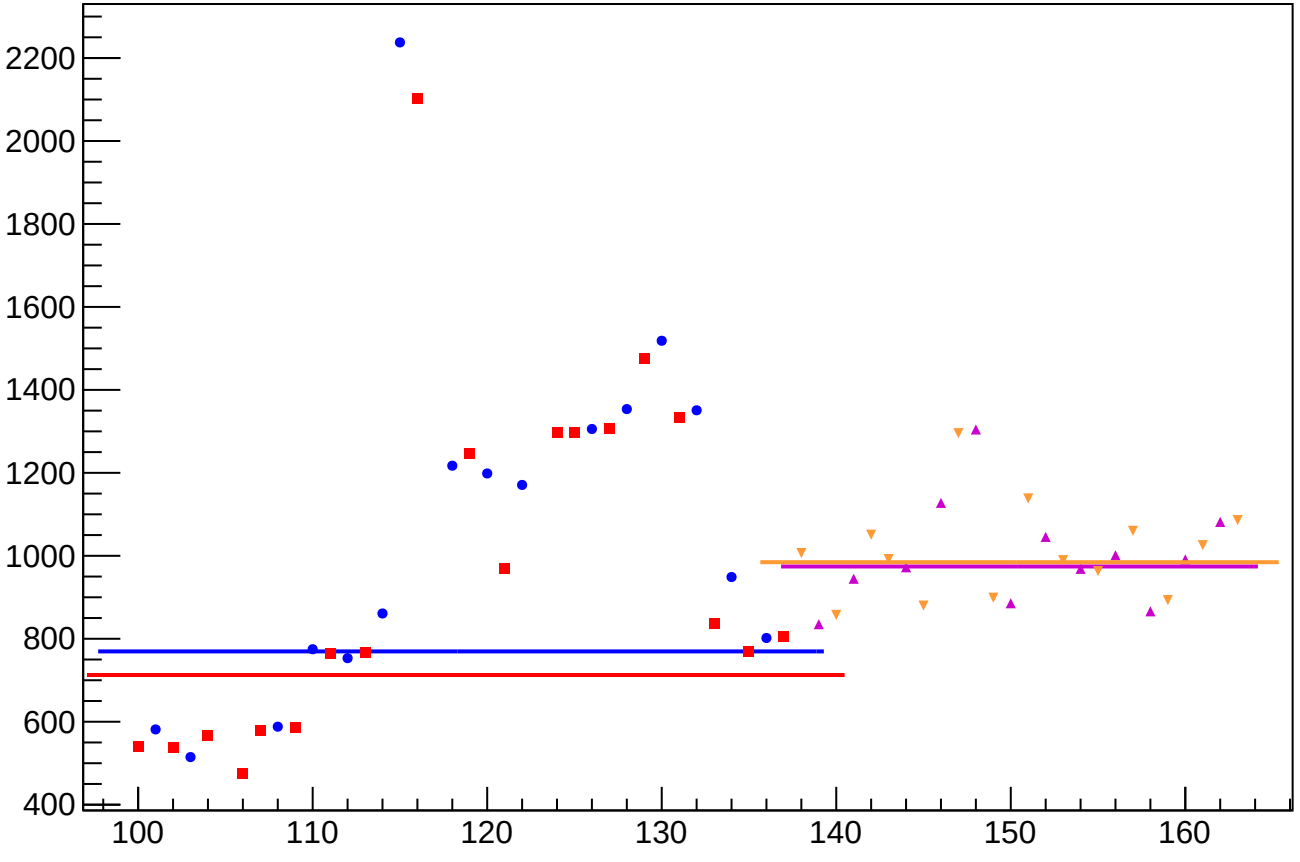
In: 133.319+/-0.023 χ^2/NDF:2138613.6/27

Out: 128.058+/-0.022 χ^2/NDF:2599159.9/32

All: 130.519+/-0.016 χ^2/NDF: 4765019.7/60


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
Right In: 349.112+/-305.328 χ²/NDF: 9.8/15
Left Out: -576.135+/-296.992 χ²/NDF:11.8/13
Right Out: 566.026+/-279.219 χ²/NDF: 18.3/18
Left In: 228.968+/-305.979 χ²/NDF:17.8/11
Left: -185.581+/-213.111 χ²/NDF: 33.2/25
Right: 467.239+/-206.051 χ²/NDF: 28.4/34
In: 289.168+/-216.129 χ²/NDF:27.7/27
Out: 30.142+/-203.430 χ²/NDF:37.9/32
All: 151.822+/-148.133 χ²/NDF: 66.4/60

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 984.611+/-0.210 χ^2/NDF:246619.8/13

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 974.284+/-0.216 χ^2/NDF:255674.5/11

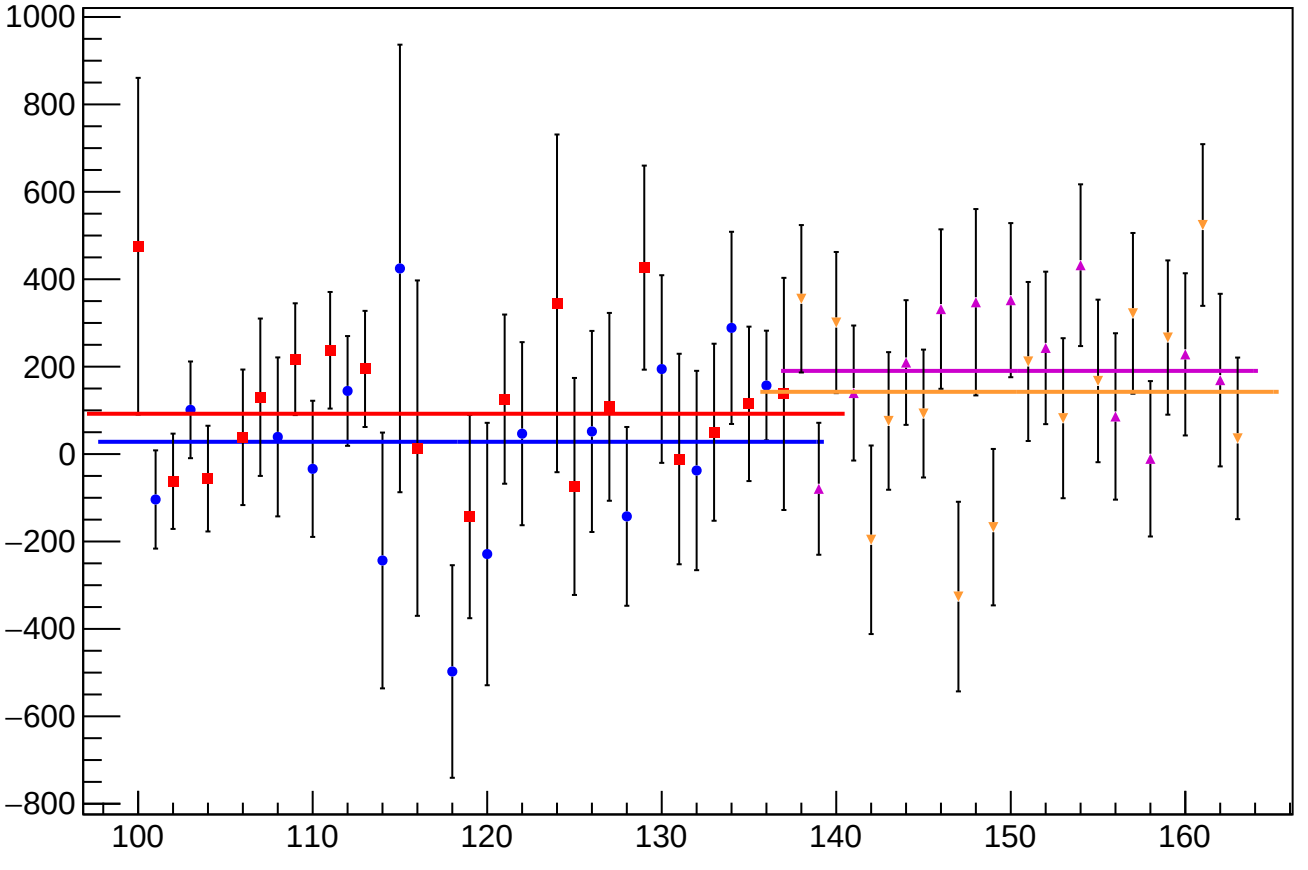
Left: 979.601+/-0.151 χ^2/NDF: 503467.4/25

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

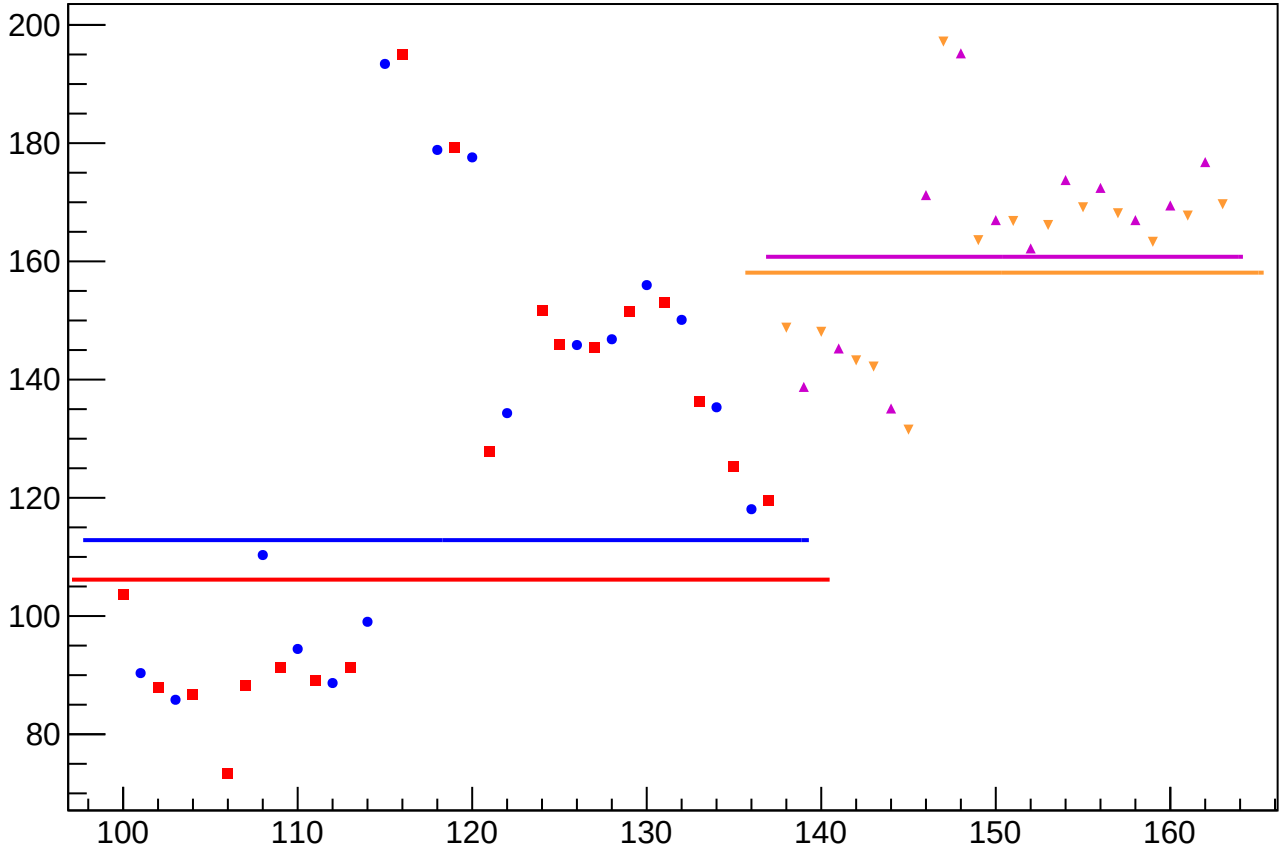
In: 871.702+/-0.153 χ^2/NDF:2444240.5/27

Out: 840.238+/-0.144 χ^2/NDF:2904208.6/32

All: 855.019+/-0.105 χ^2/NDF: 5370924.1/60


eigen_dit_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 28.093+/-43.439 χ²/NDF: 13.6/15
Left Out: 142.437+/-47.473 χ²/NDF:19.3/13
Right Out: 92.247+/-40.539 χ²/NDF: 11.7/18
Left In: 190.325+/-50.304 χ²/NDF:8.7/11
Left: 164.996+/-34.526 χ²/NDF: 28.5/25
Right: 62.383+/-29.637 χ²/NDF: 26.4/34
In: 97.392+/-32.877 χ²/NDF:28.2/27
Out: 113.412+/-30.828 χ²/NDF:31.6/32
All: 105.917+/-22.488 χ²/NDF: 60.0/60

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 158.091+/-0.034 χ^2/NDF:212938.9/13

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 160.778+/-0.036 χ^2/NDF:226053.0/11

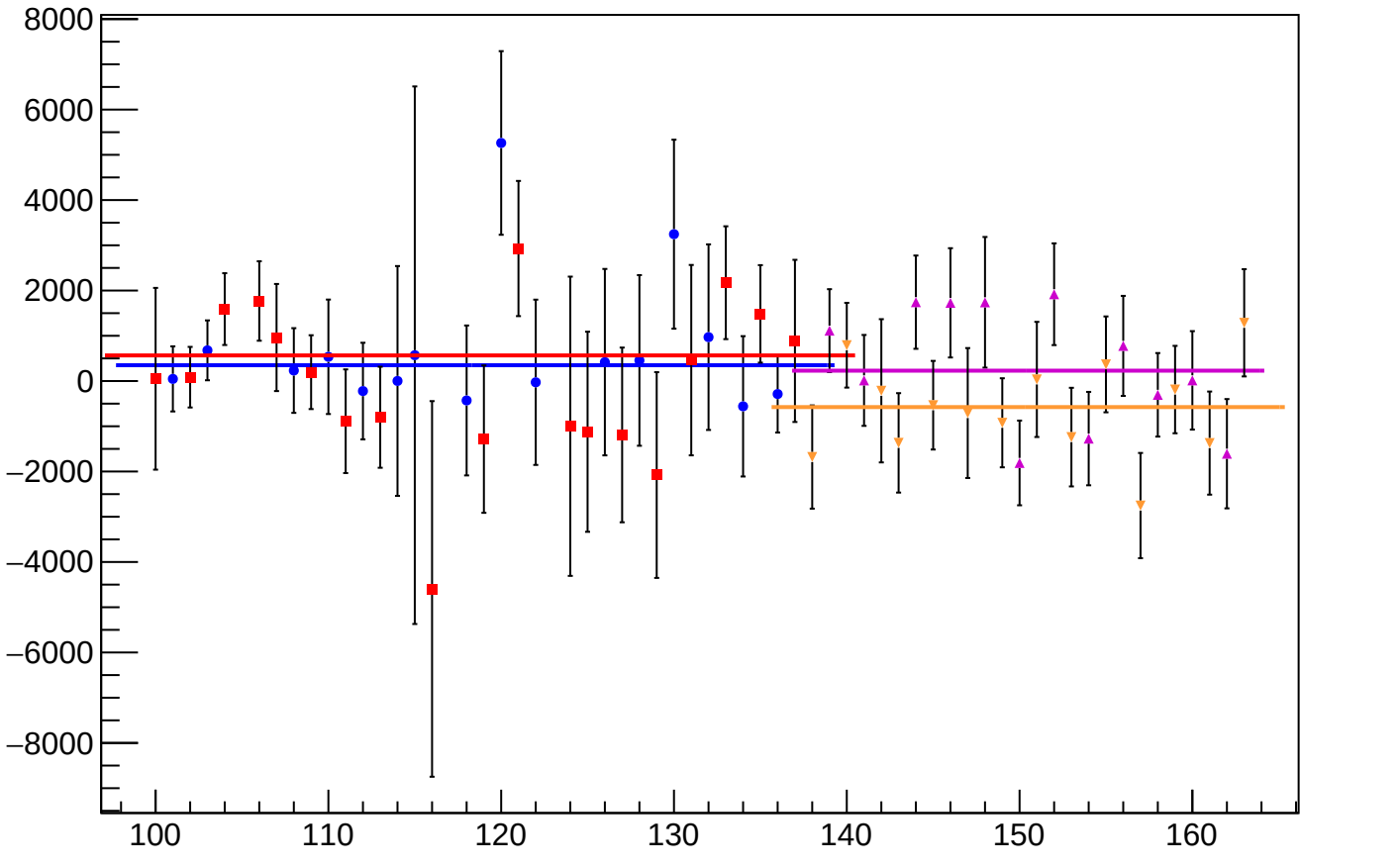
Left: 159.357+/-0.024 χ^2/NDF: 442009.9/25

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 133.318+/-0.023 χ^2/NDF:2138629.4/27

Out: 128.058+/-0.022 χ^2/NDF:2599170.2/32

All: 130.519+/-0.016 χ^2/NDF: 4765045.6/60



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -576.135+/-296.992 χ^2/NDF:11.8/13

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 228.969+/-305.980 χ^2/NDF:17.8/11

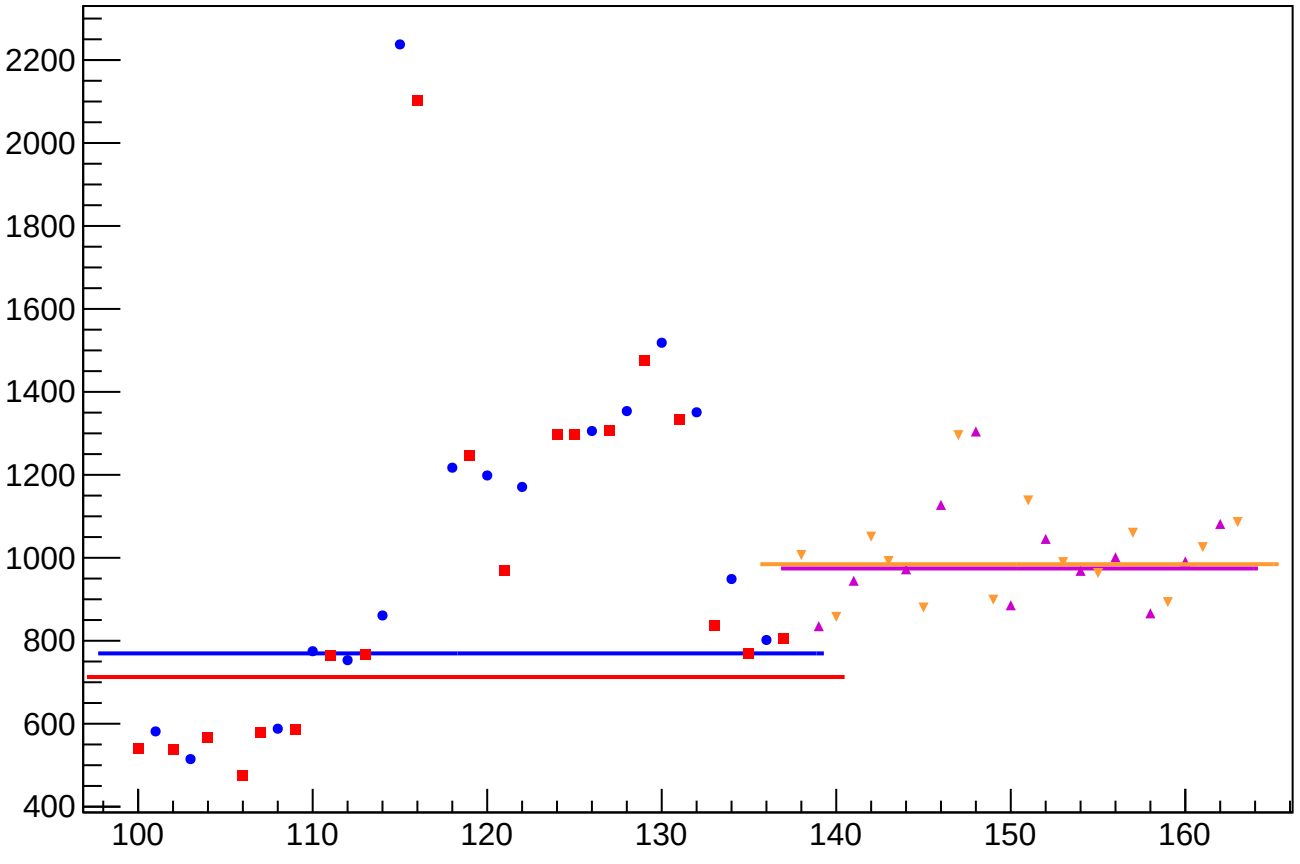
Left: -185.581+/-213.112 χ^2/NDF: 33.2/25

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 289.168+/-216.129 χ^2/NDF:27.7/27

Out: 30.144+/-203.430 χ^2/NDF:37.9/32

All: 151.823+/-148.133 χ^2/NDF: 66.4/60



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 984.612+/-0.210 χ^2/NDF:246620.1/13

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 974.285+/-0.216 χ^2/NDF:255673.8/11

Left: 979.603+/-0.151 χ^2/NDF: 503467.0/25

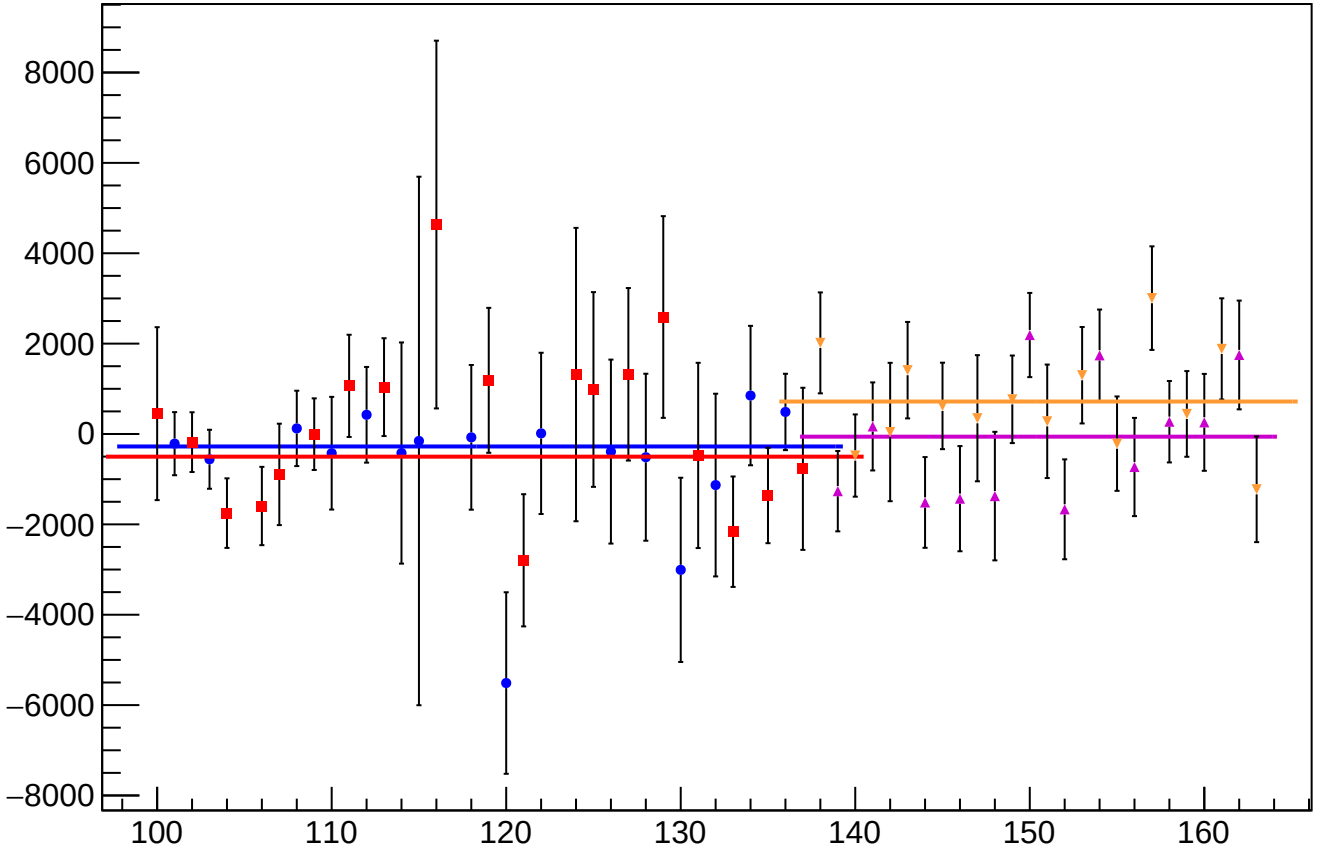
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 871.702+/-0.153 χ^2/NDF:2444247.7/27

Out: 840.238+/-0.144 χ^2/NDF:2904219.0/32

All: 855.019+/-0.105 χ^2/NDF: 5370941.8/60

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 718.484+/-290.922 χ^2/NDF:12.9/13

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -59.359+/-299.808 χ^2/NDF:20.2/11

Left: 341.260+/-208.784 χ^2/NDF: 36.6/25

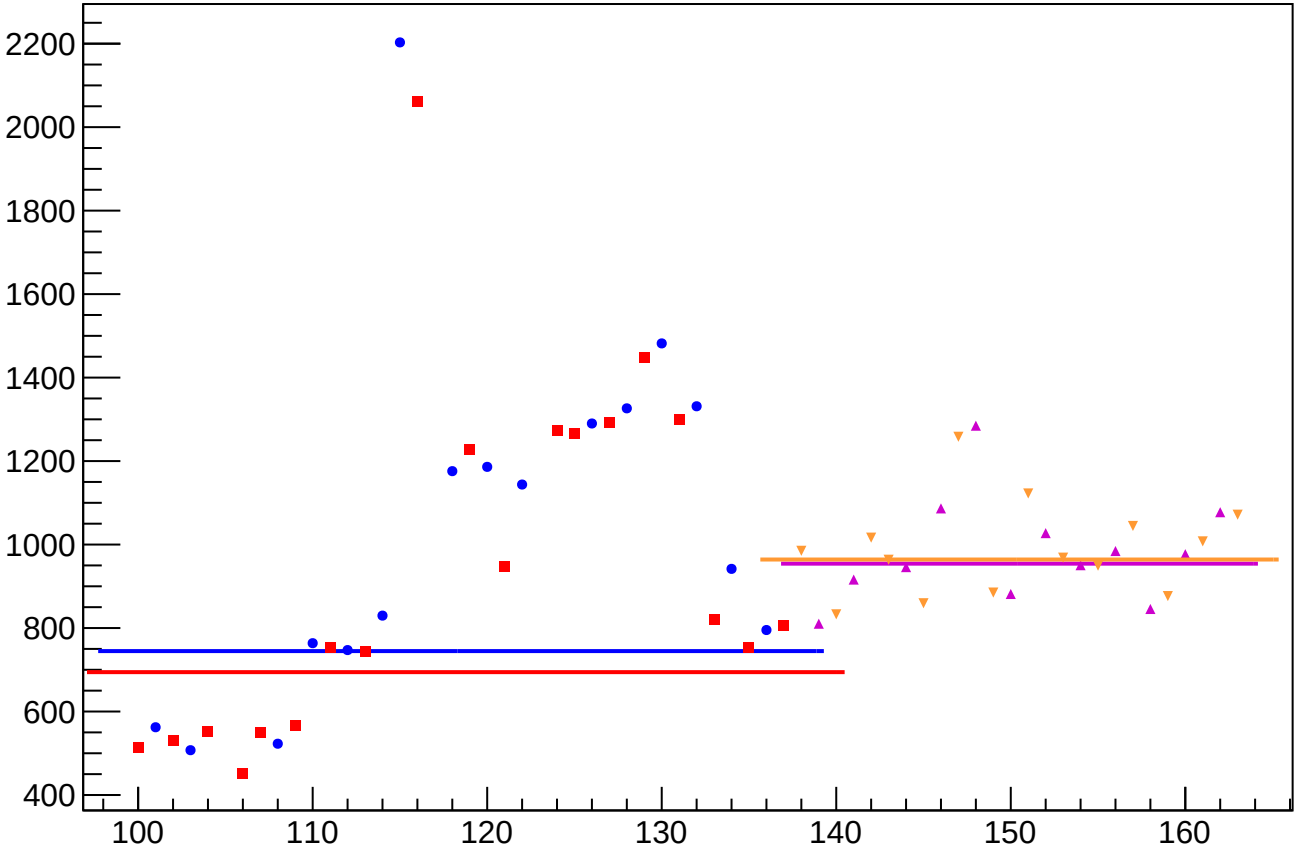
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -168.905+/-210.892 χ^2/NDF:31.5/27

Out: 69.479+/-199.071 χ^2/NDF:42.7/32

All: -42.845+/-144.763 χ^2/NDF: 74.9/60

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 964.157+/-0.206 χ^2/NDF:249800.0/13

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 954.270+/-0.212 χ^2/NDF:262836.1/11

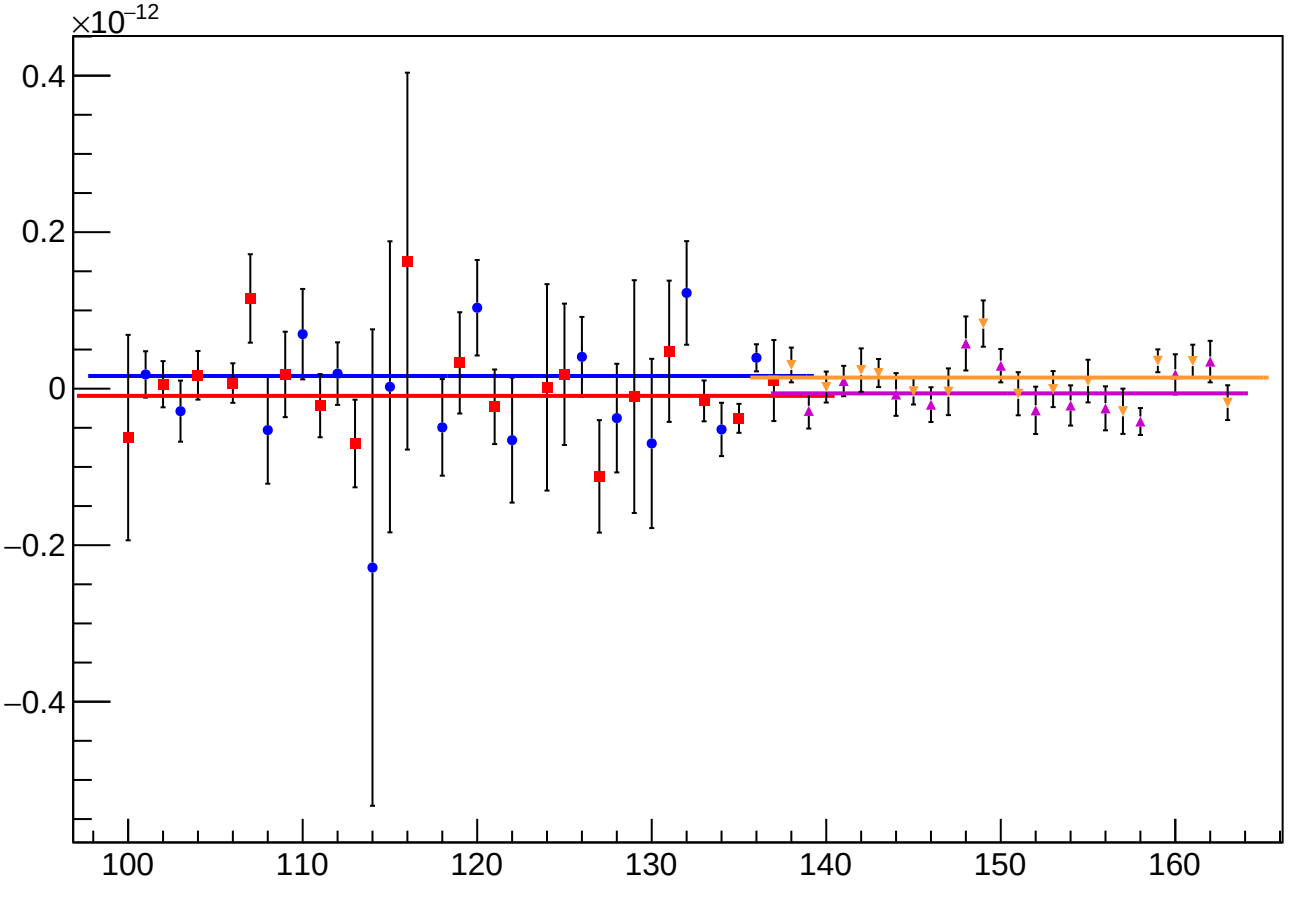
Left: 959.362+/-0.148 χ^2/NDF: 513756.2/25

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 848.438+/-0.149 χ^2/NDF:2578700.2/27

Out: 820.682+/-0.141 χ^2/NDF:2968303.4/32

All: 833.760+/-0.102 χ^2/NDF: 5565324.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/11

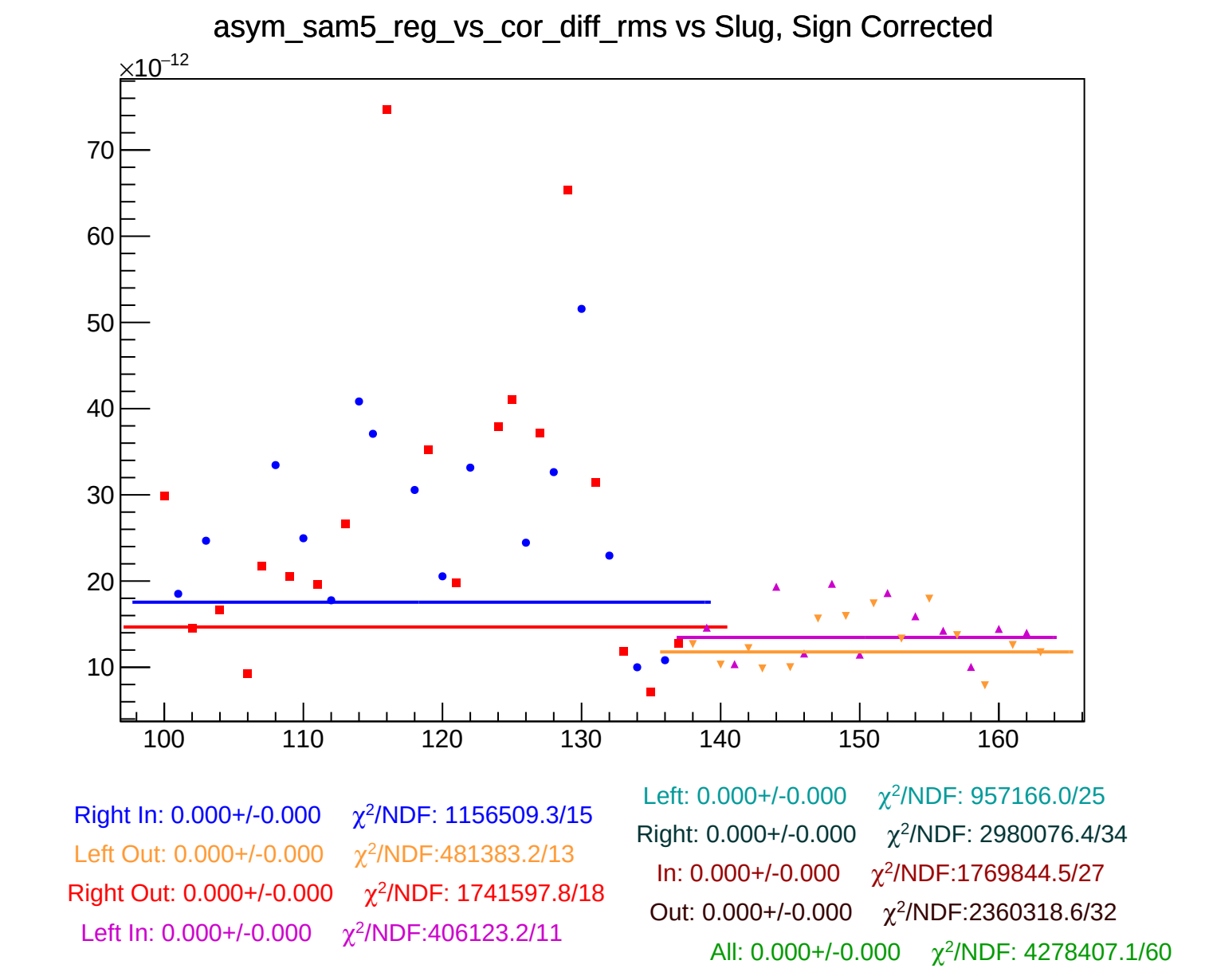
Left: 0.000+/-0.000 χ^2/NDF: 38.7/25

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:38.2/27

Out: 0.000+/-0.000 χ^2/NDF:35.1/32

All: 0.000+/-0.000 χ^2/NDF: 74.2/60


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
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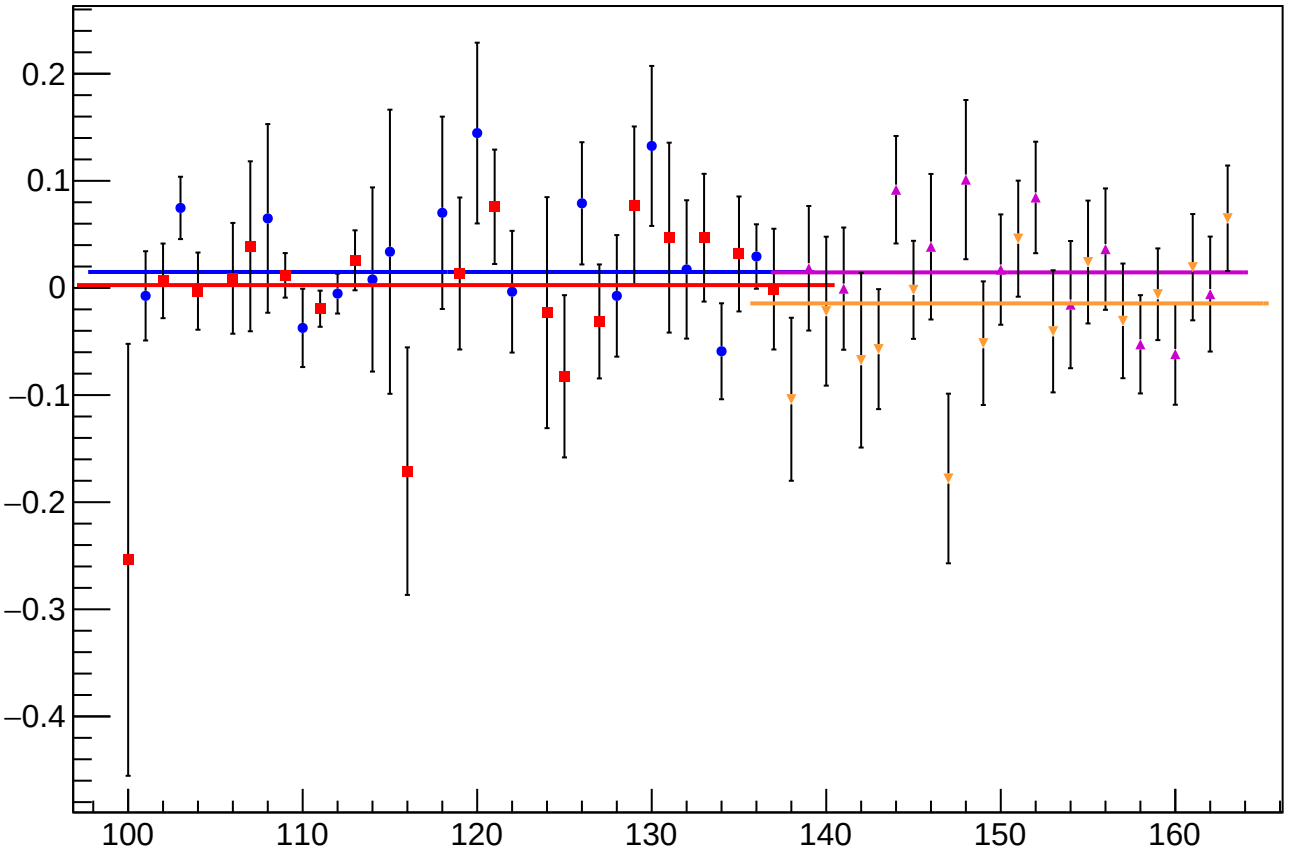
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:481383.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:406123.2/11
Left: 0.000+/-0.000 χ²/NDF: 957166.0/25
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1769844.5/27
Out: 0.000+/-0.000 χ²/NDF:2360318.6/32
All: 0.000+/-0.000 χ²/NDF: 4278407.1/60



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.015+/-0.016 χ^2/NDF:11.0/11

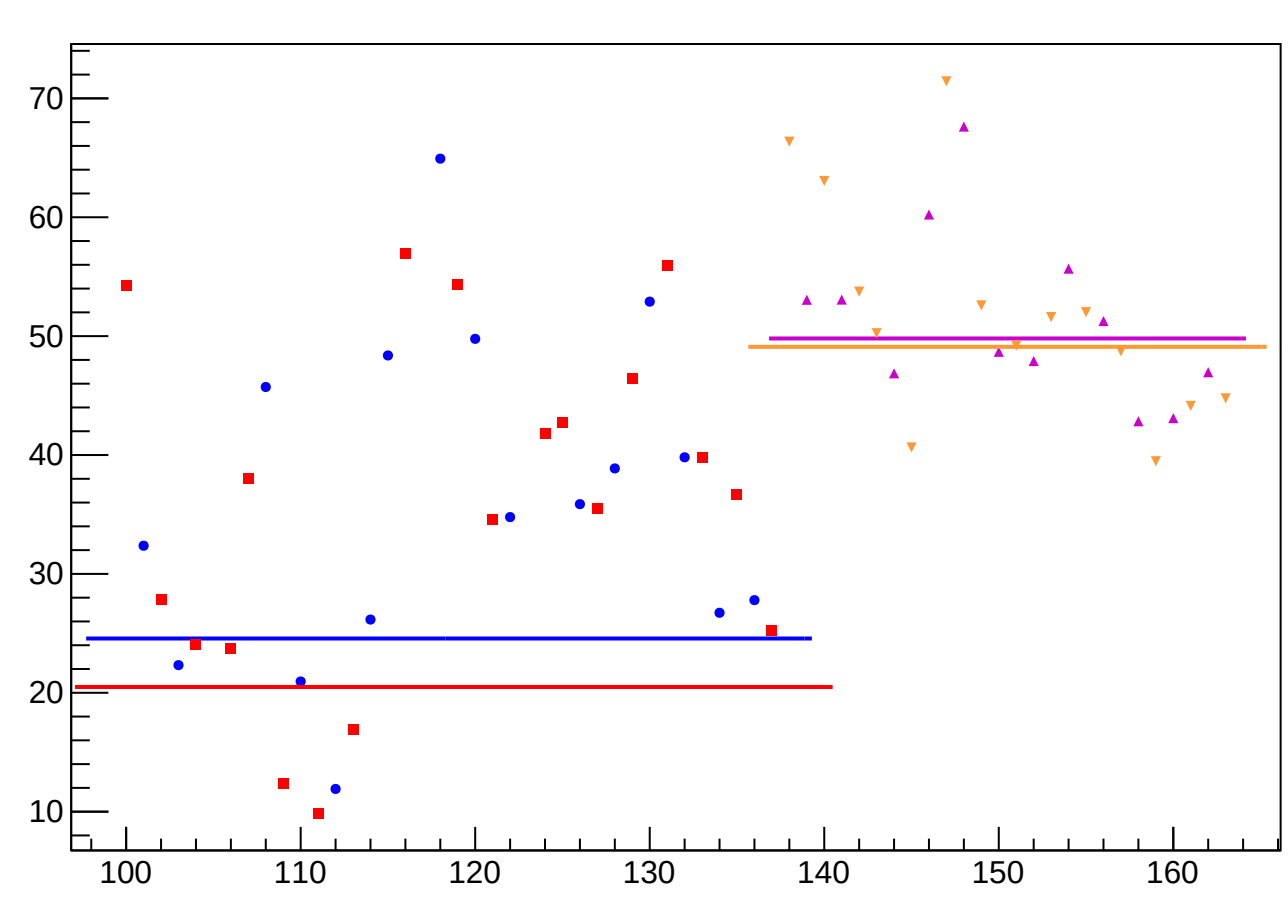
Left: -0.001+/-0.011 χ^2/NDF: 25.0/25

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/27

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/60



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571215.8/13

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.804+/-0.011 χ^2/NDF:298144.6/11

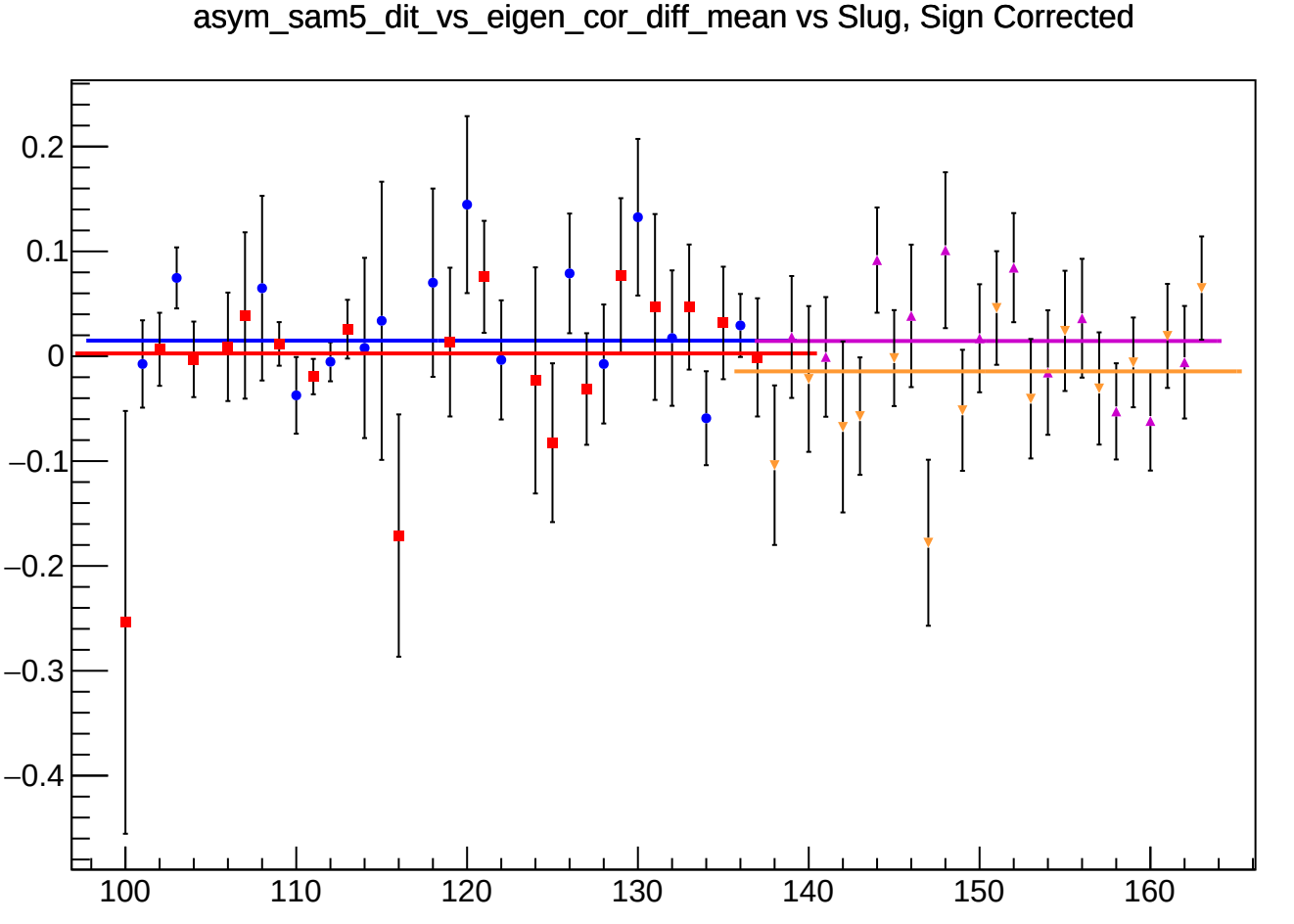
Left: 49.434+/-0.008 χ^2/NDF: 871445.4/25

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 32.389+/-0.006 χ^2/NDF:6305470.1/27

Out: 28.351+/-0.006 χ^2/NDF:9441211.3/32

All: 30.143+/-0.004 χ^2/NDF: 15981225.5/60



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.015+/-0.016 χ^2/NDF:11.0/11

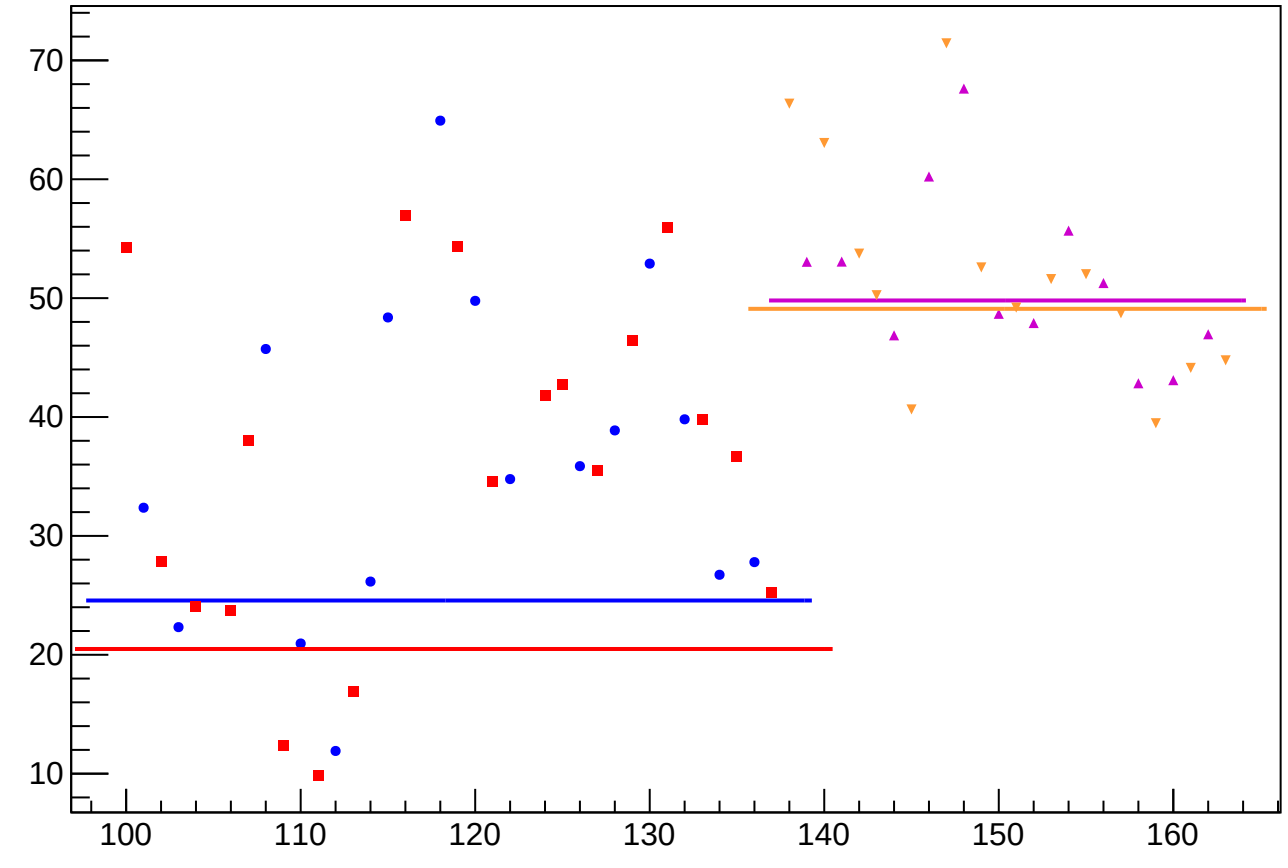
Left: -0.001+/-0.011 χ^2/NDF: 25.0/25

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/27

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/60



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571215.8/13

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 49.804+/-0.011 χ^2/NDF:298144.6/11

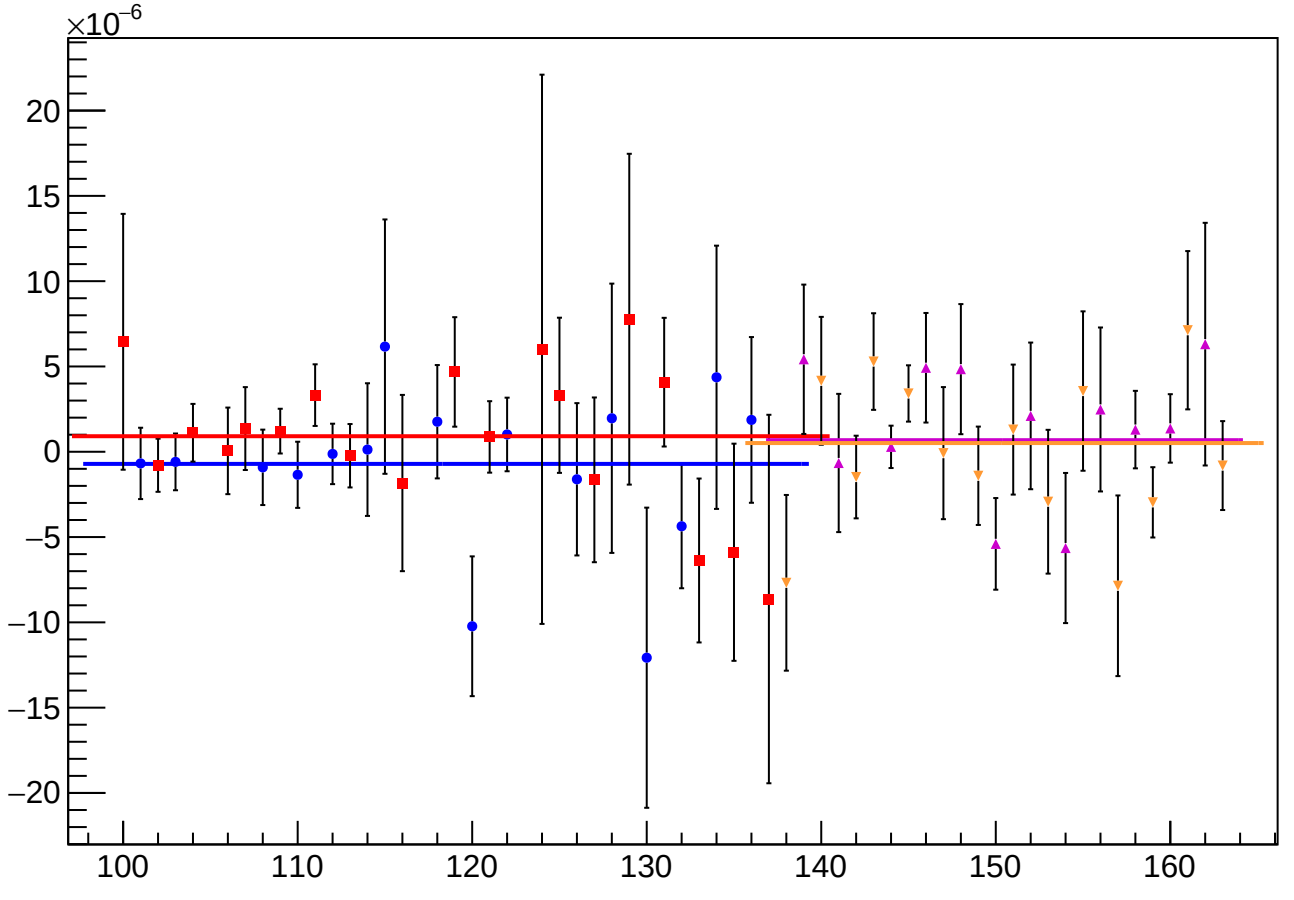
Left: 49.434+/-0.008 χ^2/NDF: 871445.4/25

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 32.389+/-0.006 χ^2/NDF:6305470.1/27

Out: 28.351+/-0.006 χ^2/NDF:9441211.3/32

All: 30.143+/-0.004 χ^2/NDF: 15981225.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/11

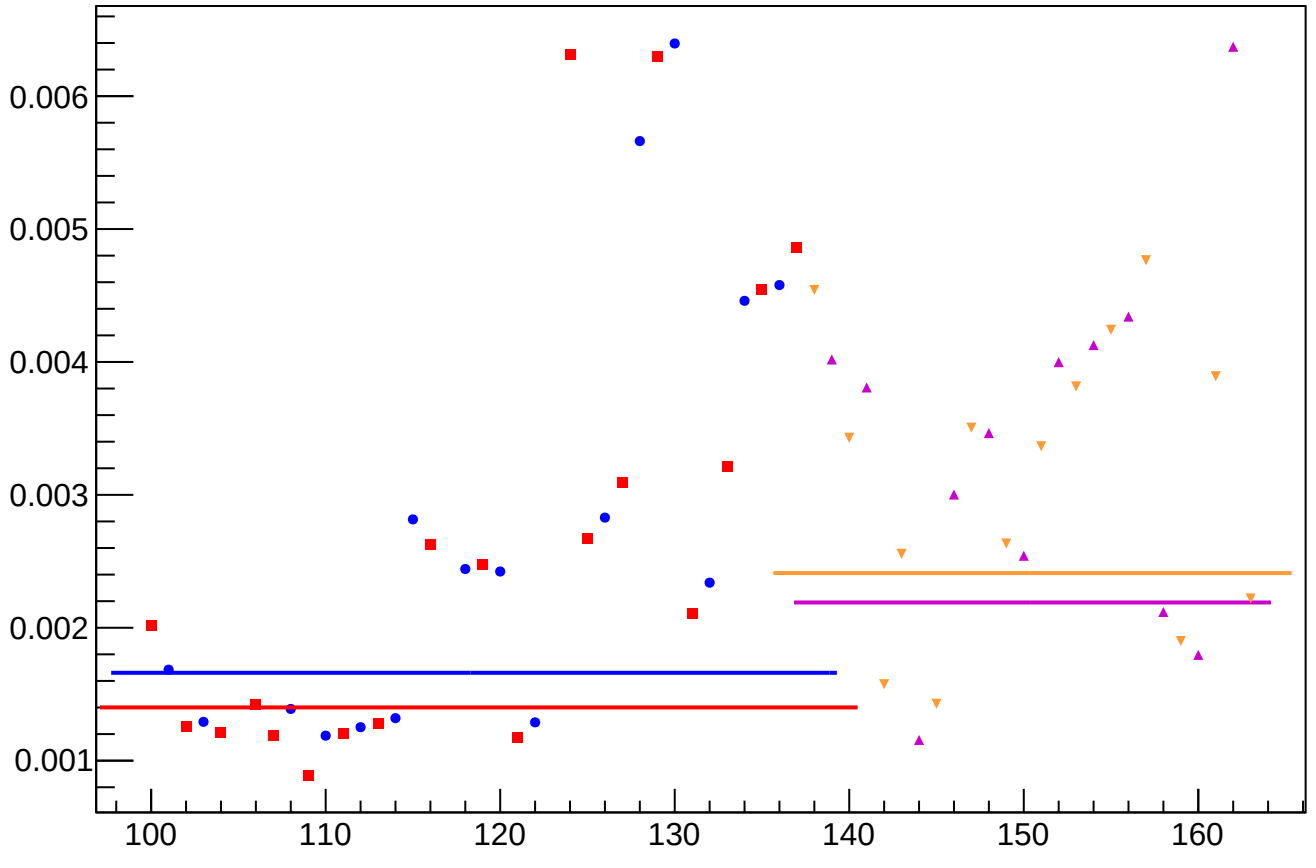
Left: 0.000+/-0.000 χ^2/NDF: 31.9/25

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:25.6/27

Out: 0.000+/-0.000 χ^2/NDF:31.4/32

All: 0.000+/-0.000 χ^2/NDF: 58.5/60



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3002485.2/13

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4355063.9/11

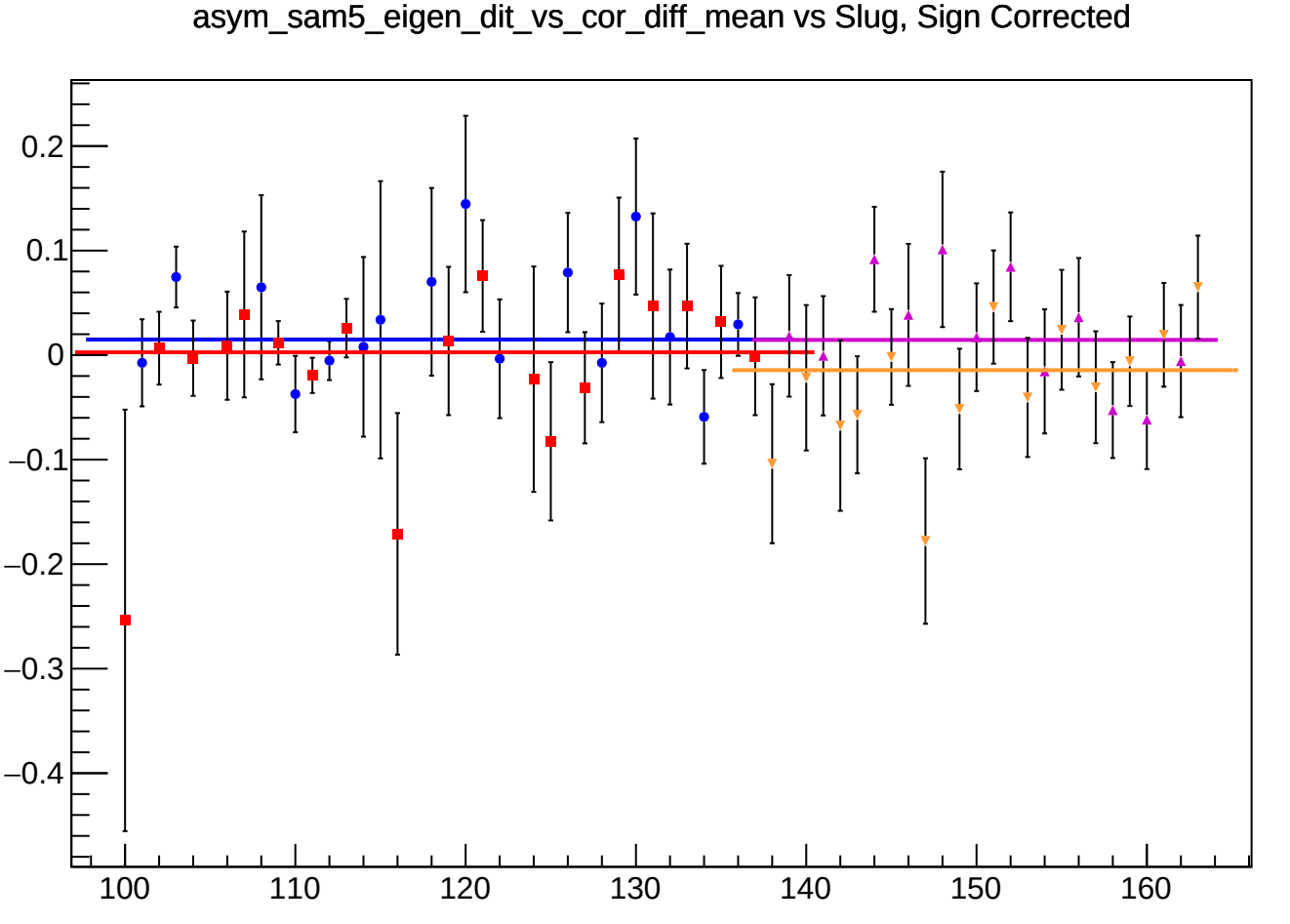
Left: 0.002+/-0.000 χ^2/NDF: 7437568.3/25

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:7812560.6/27

Out: 0.002+/-0.000 χ^2/NDF:8019560.9/32

All: 0.002+/-0.000 χ^2/NDF: 15912220.8/60



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.015+/-0.016 χ^2/NDF:11.0/11

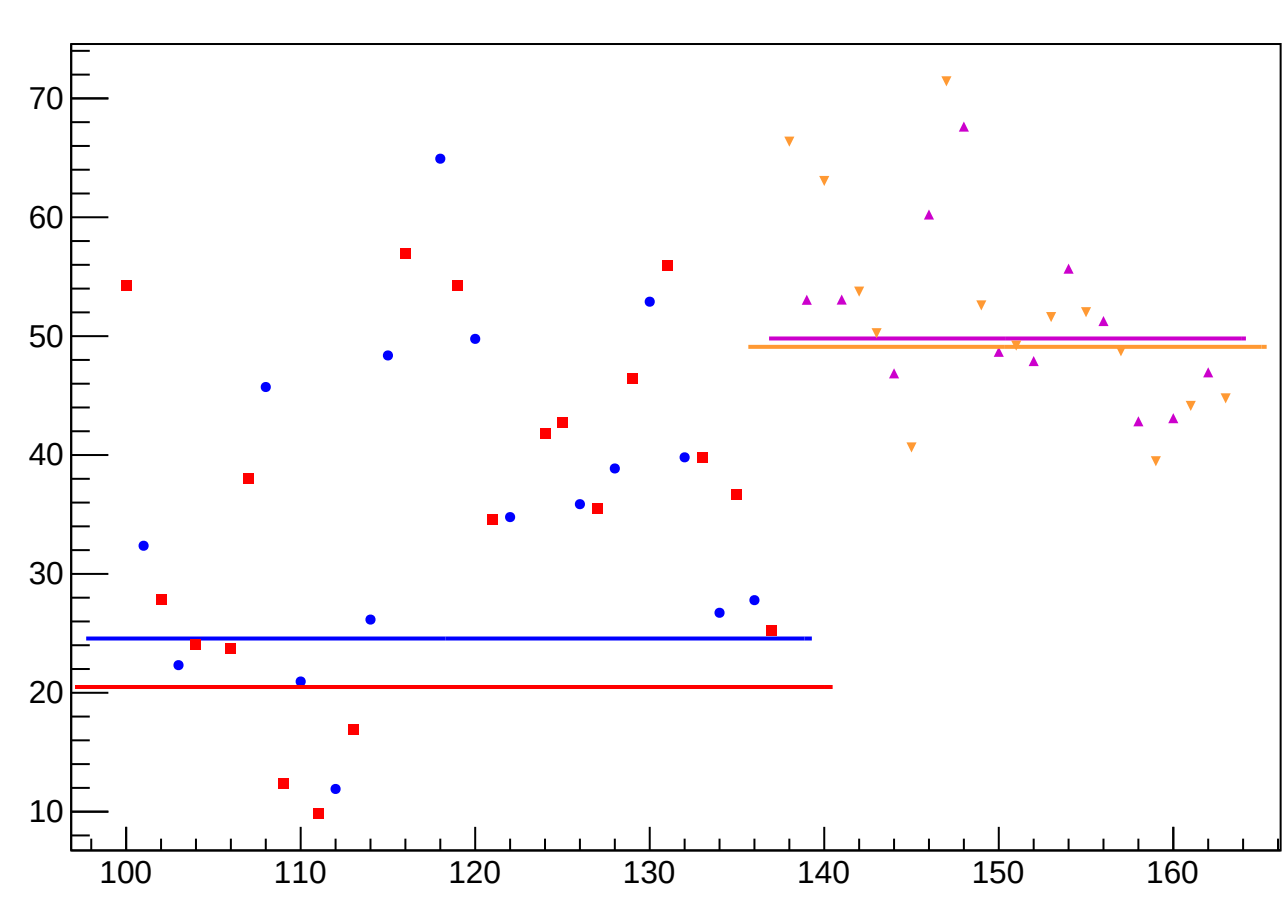
Left: -0.001+/-0.011 χ^2/NDF: 25.0/25

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/27

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/60



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.804+/-0.011 χ^2/NDF:298244.9/11

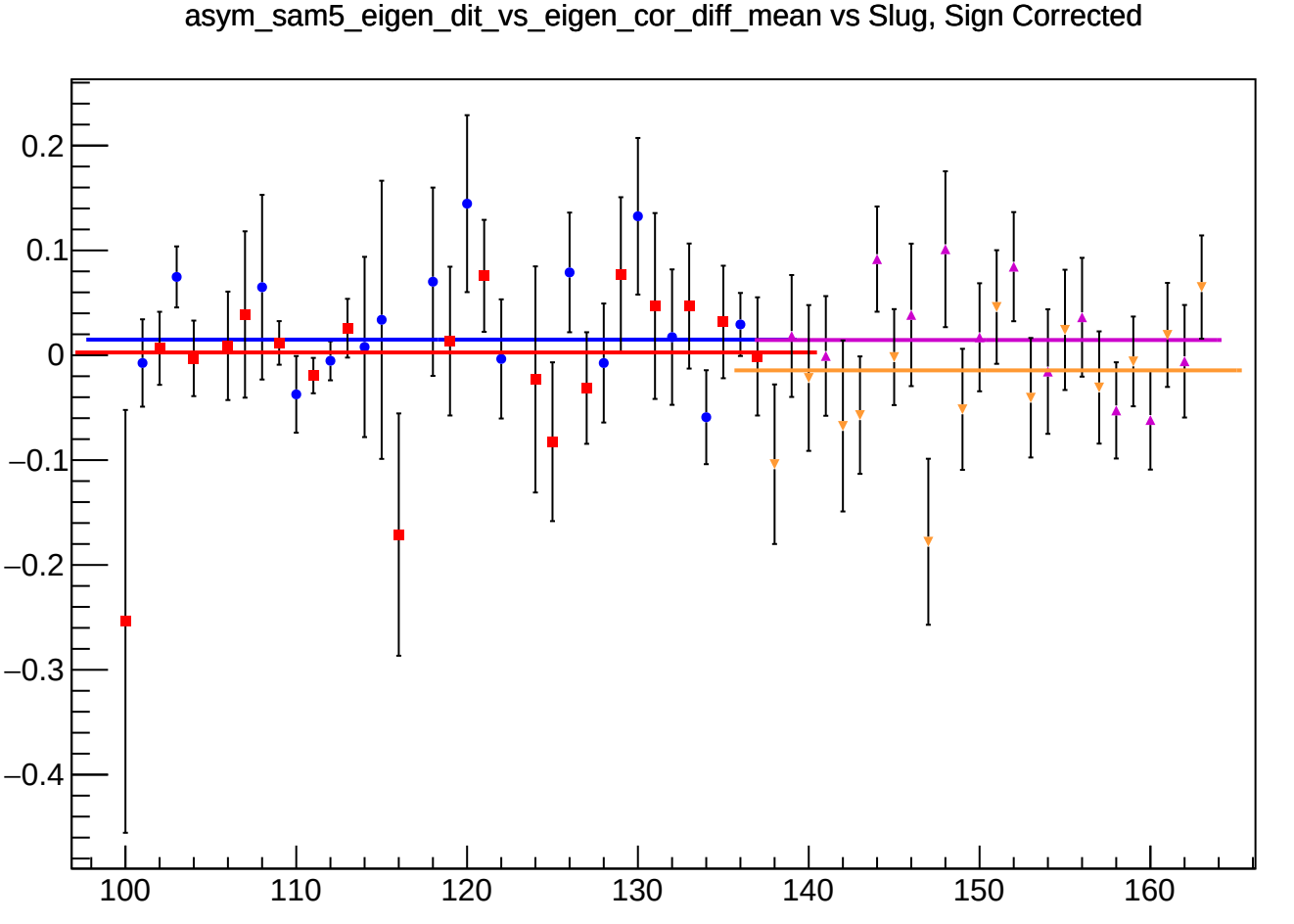
Left: 49.434+/-0.008 χ^2/NDF: 871665.3/25

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 32.388+/-0.006 χ^2/NDF:6305632.7/27

Out: 28.350+/-0.006 χ^2/NDF:9441512.9/32

All: 30.142+/-0.004 χ^2/NDF: 15981702.3/60



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.014+/-0.015 χ^2/NDF:12.3/13

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.015+/-0.016 χ^2/NDF:11.0/11

Left: -0.001+/-0.011 χ^2/NDF: 25.0/25

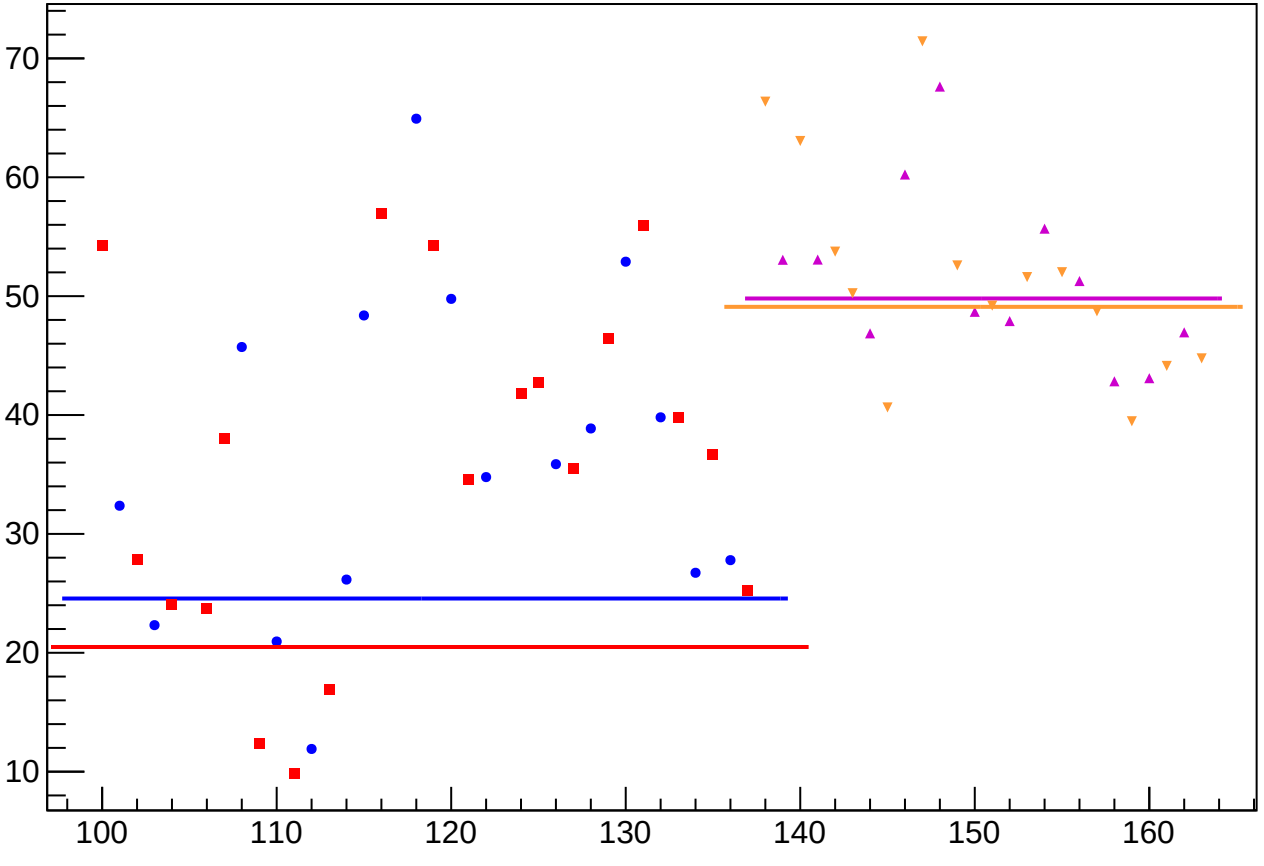
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.015+/-0.009 χ^2/NDF:28.8/27

Out: -0.002+/-0.008 χ^2/NDF:25.7/32

All: 0.005+/-0.006 χ^2/NDF: 56.5/60

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 49.101+/-0.011 χ^2/NDF:571335.5/13

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 49.804+/-0.011 χ^2/NDF:298244.9/11

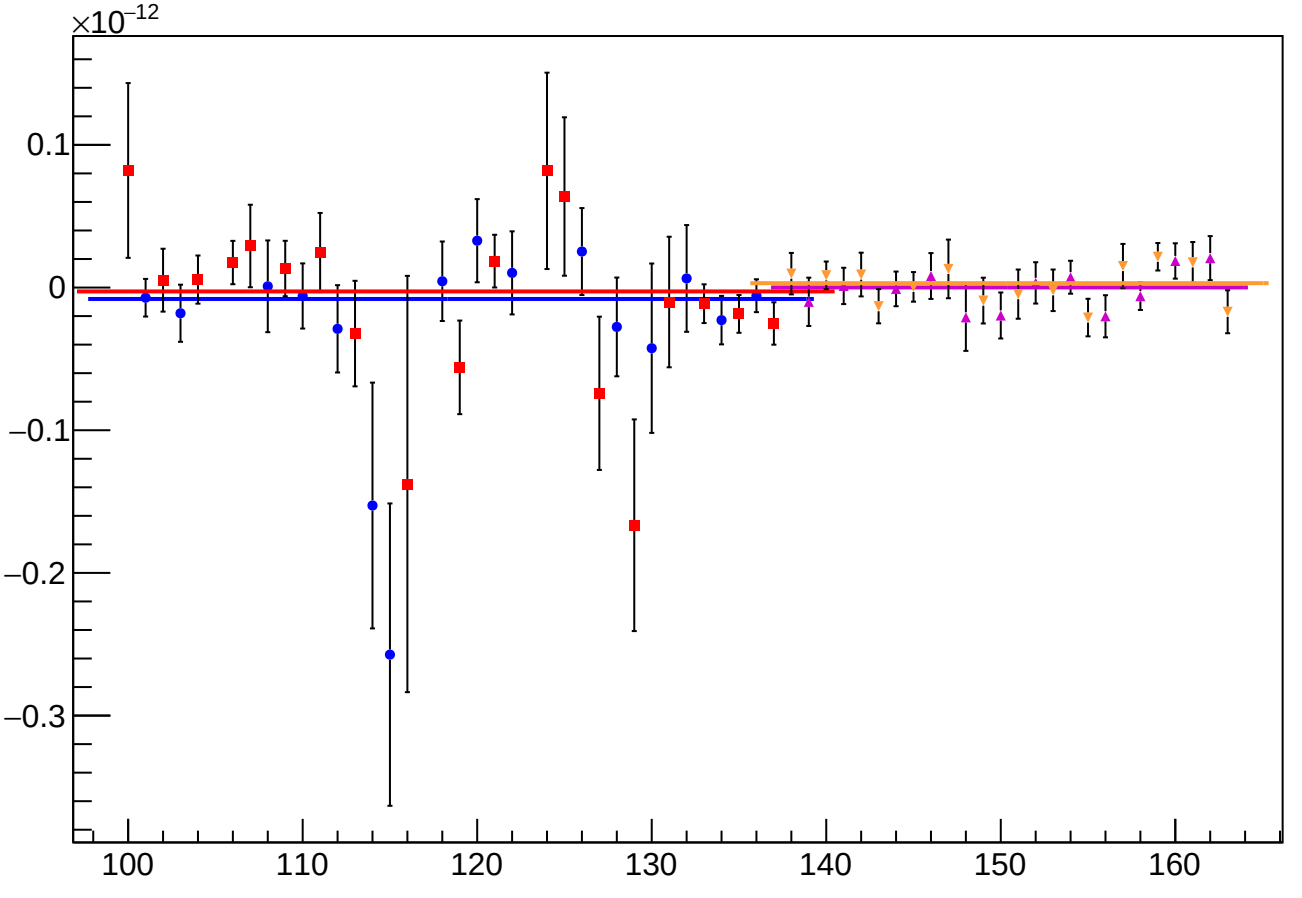
Left: 49.434+/-0.008 χ^2/NDF: 871665.3/25

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 32.388+/-0.006 χ^2/NDF:6305632.7/27

Out: 28.350+/-0.006 χ^2/NDF:9441512.9/32

All: 30.142+/-0.004 χ^2/NDF: 15981702.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/11

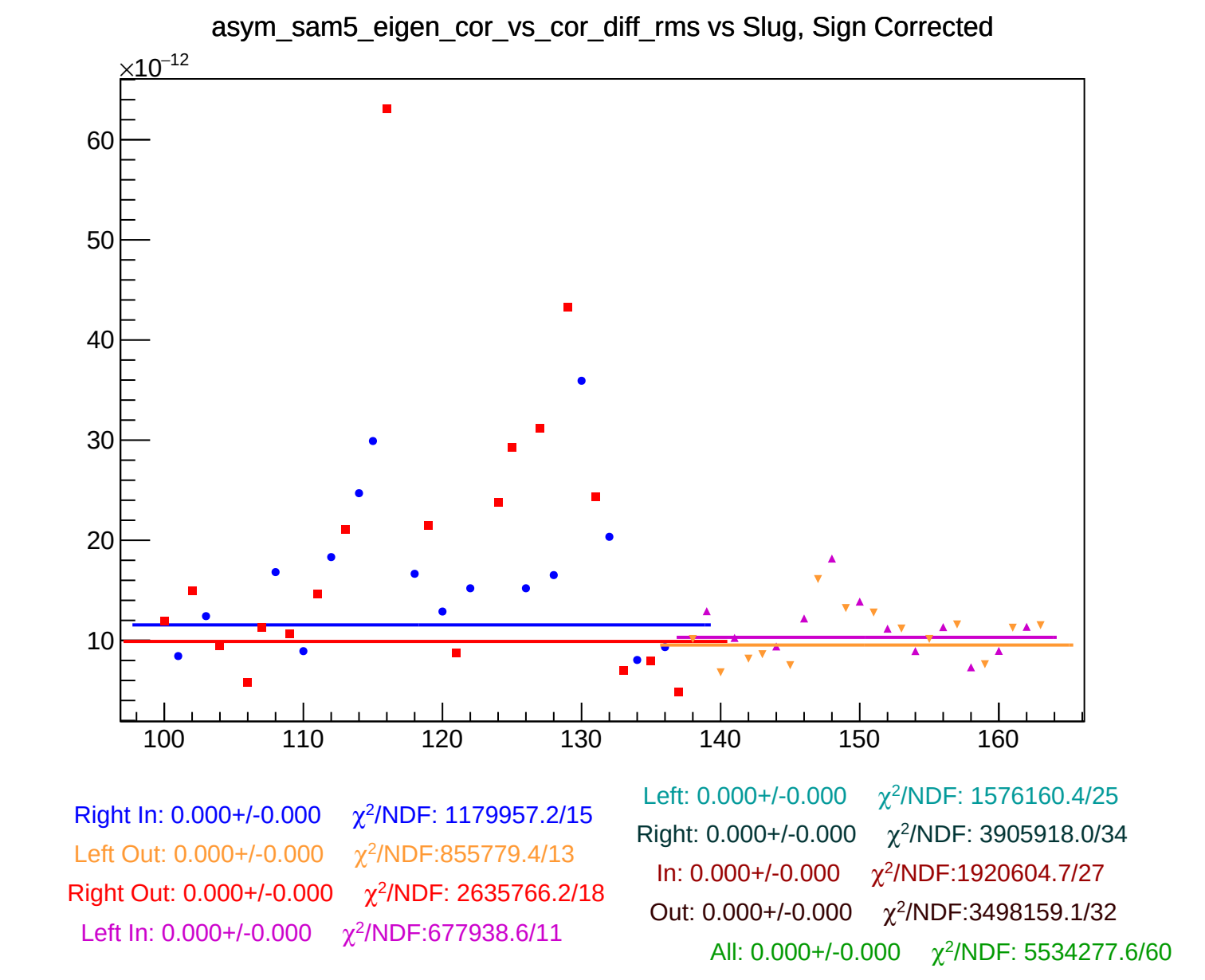
Left: 0.000+/-0.000 χ^2/NDF: 24.1/25

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

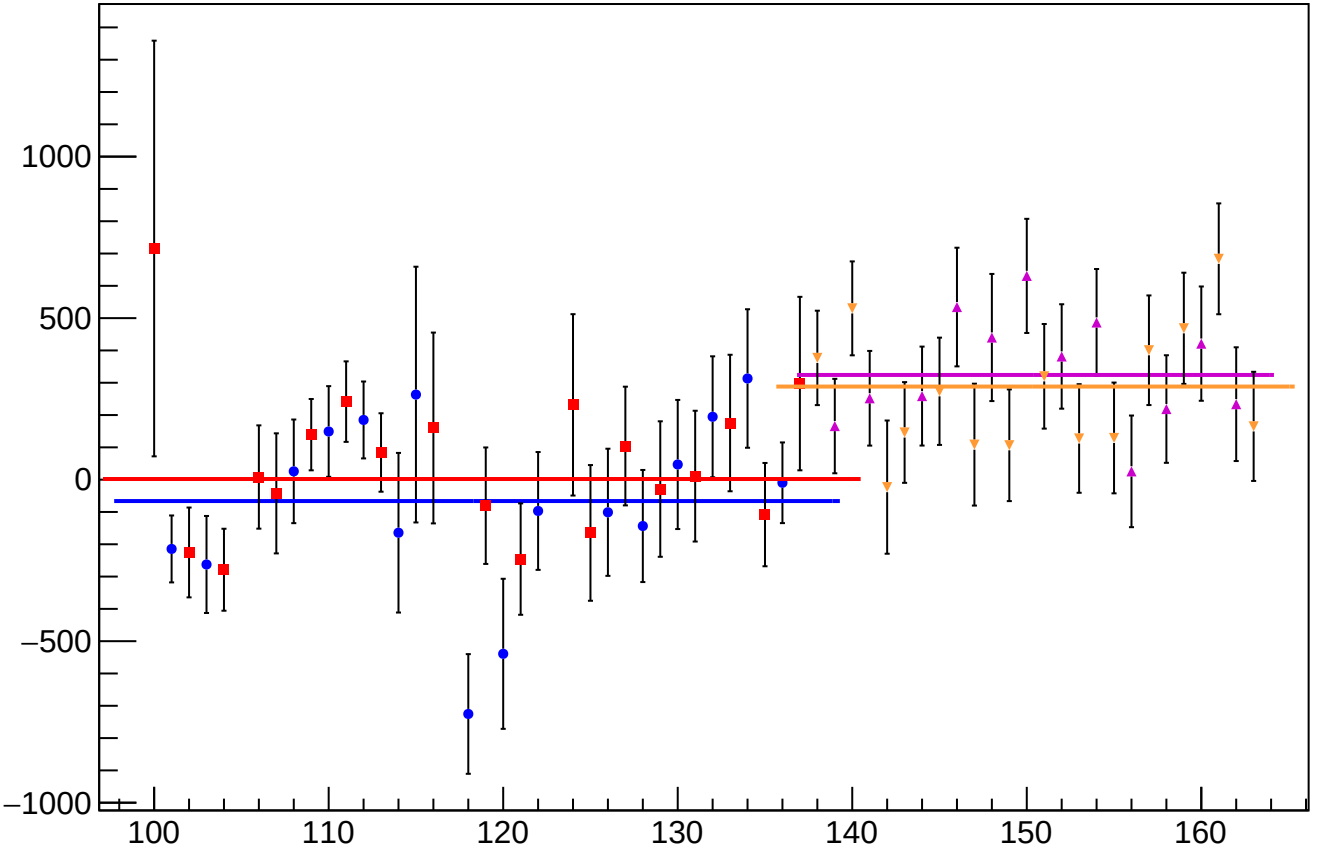
In: -0.000+/-0.000 χ^2/NDF:25.5/27

Out: 0.000+/-0.000 χ^2/NDF:41.1/32

All: -0.000+/-0.000 χ^2/NDF: 67.3/60


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:855779.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:677938.6/11
Left: 0.000+/-0.000 χ²/NDF: 1576160.4/25
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1920604.7/27
Out: 0.000+/-0.000 χ²/NDF:3498159.1/32
All: 0.000+/-0.000 χ²/NDF: 5534277.6/60

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.199+/-44.646 χ^2/NDF:17.5/13

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 324.135+/-48.109 χ^2/NDF:11.3/11

Left: 304.827+/-32.725 χ^2/NDF: 29.1/25

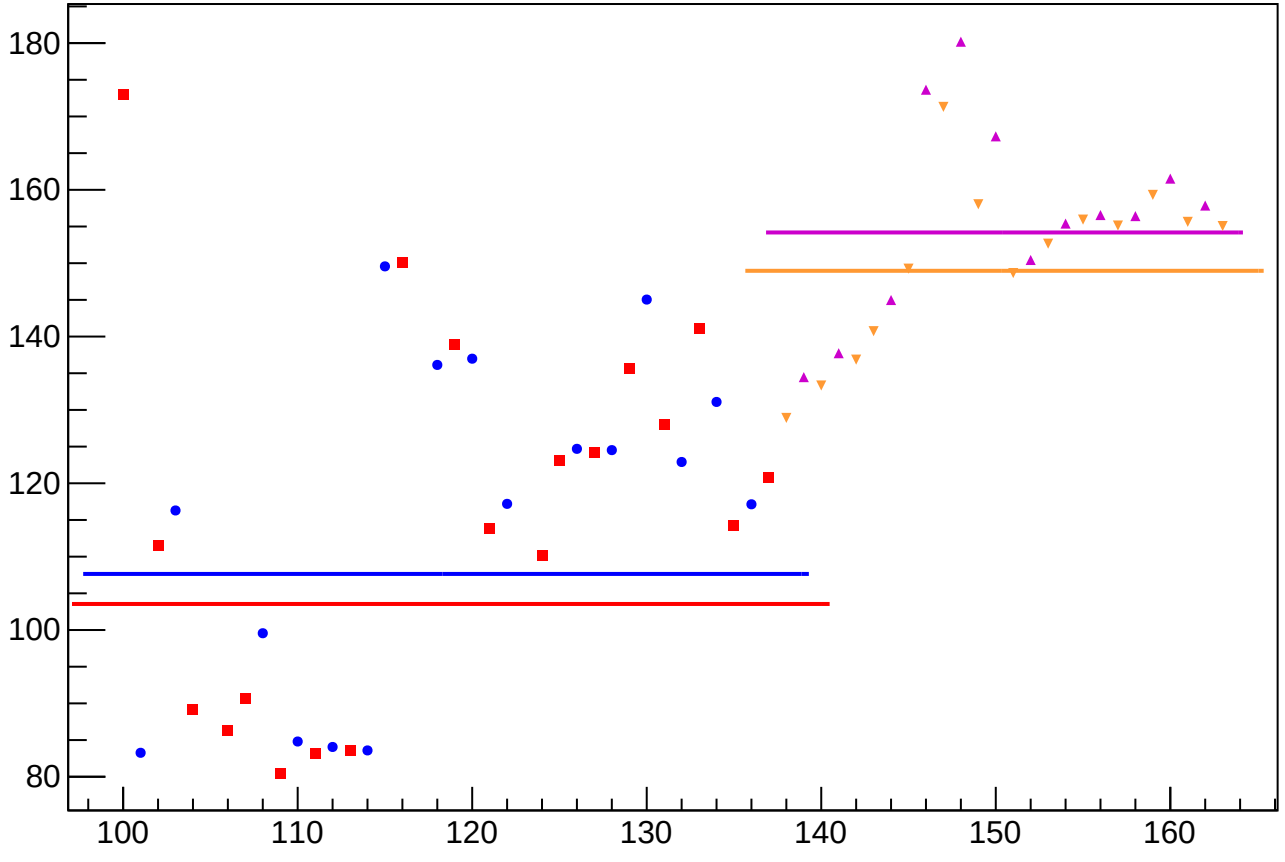
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 97.714+/-31.177 χ^2/NDF:83.9/27

Out: 125.397+/-29.315 χ^2/NDF:62.0/32

All: 112.407+/-21.357 χ^2/NDF: 146.3/60

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 154.189+/-0.034 χ^2/NDF:143460.3/11

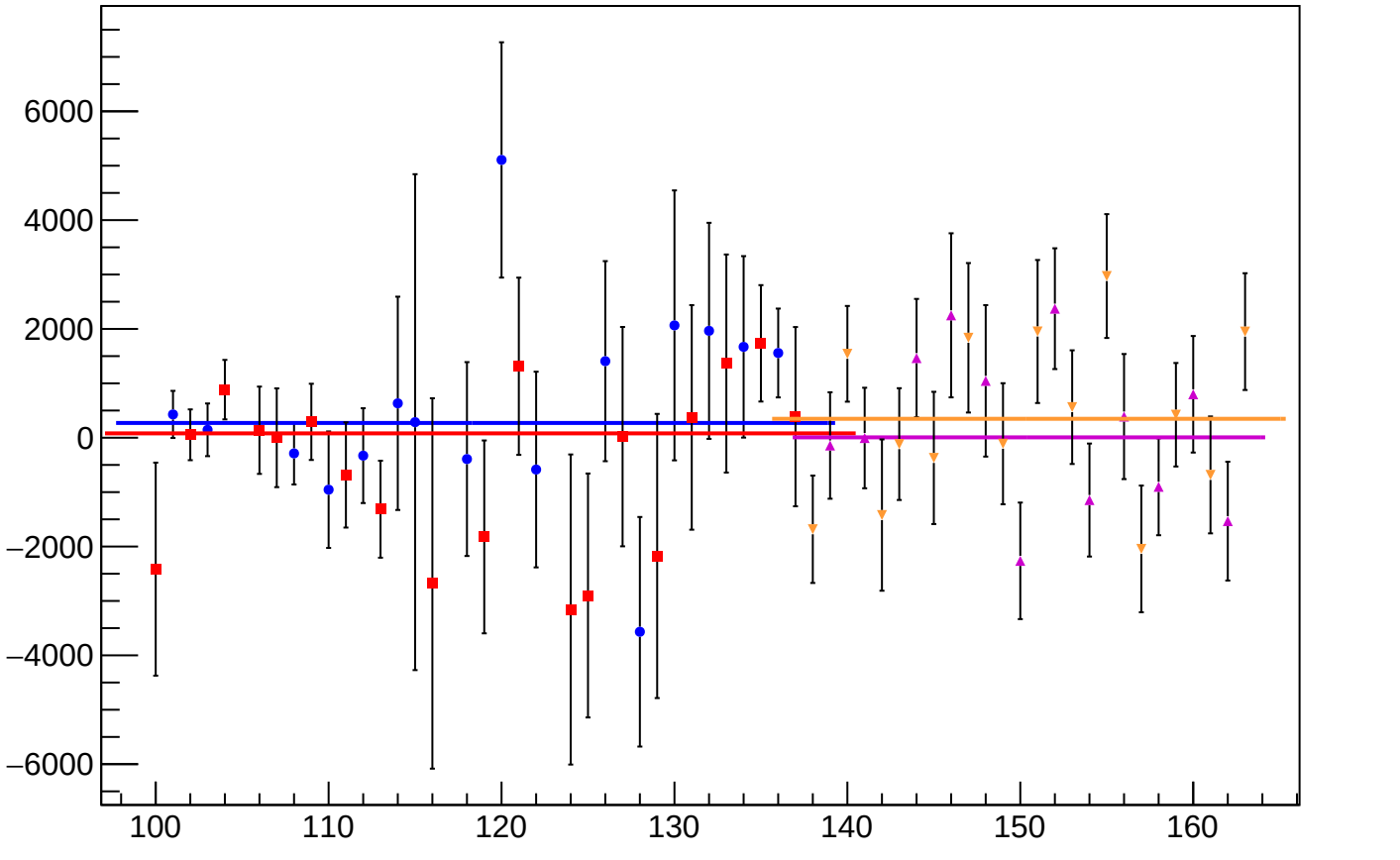
Left: 151.381+/-0.023 χ^2/NDF: 282765.4/25

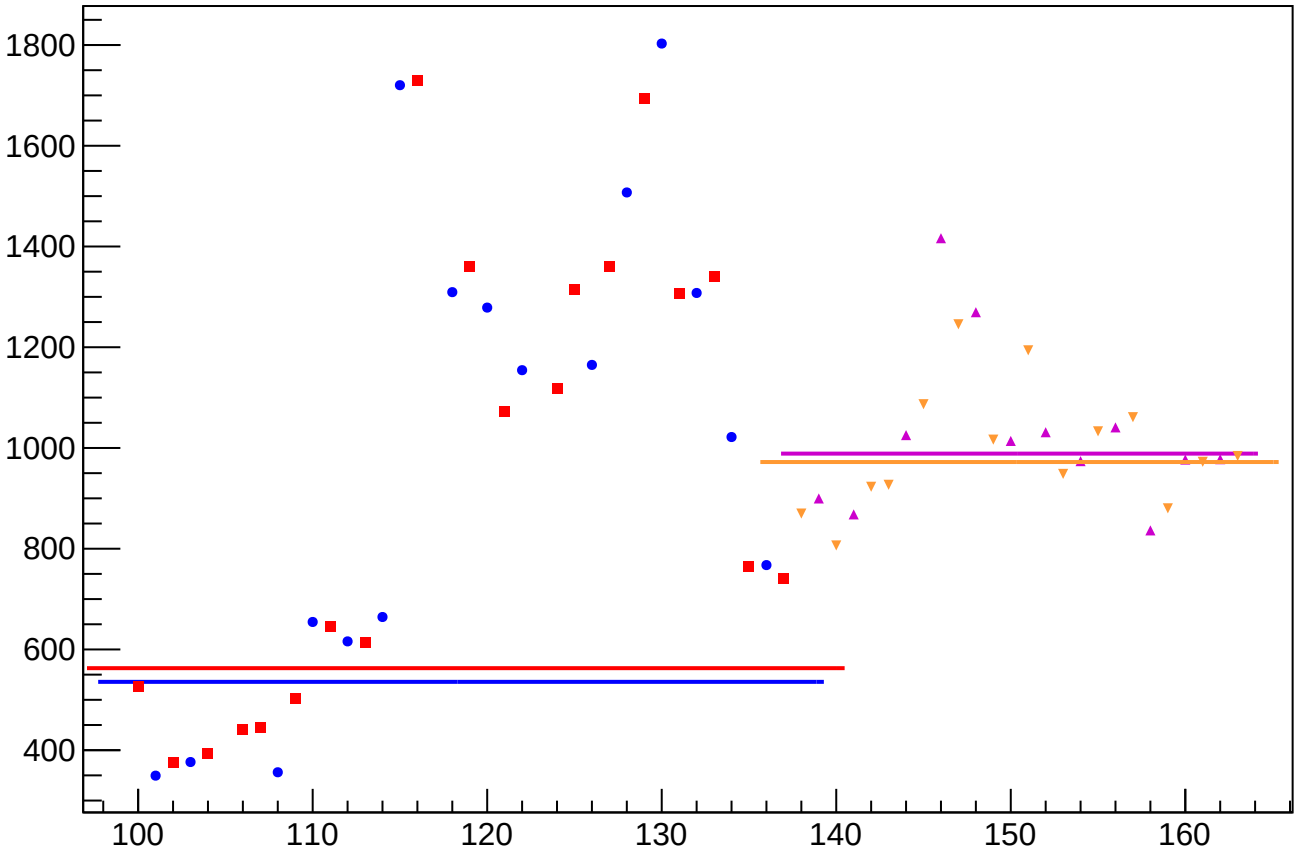
Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 127.192+/-0.022 χ^2/NDF:1762098.1/27

Out: 123.129+/-0.021 χ^2/NDF:1921178.0/32

All: 125.035+/-0.015 χ^2/NDF: 3701304.9/60


asym_sam6_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 271.505+/-230.663 χ²/NDF: 16.5/15
Left Out: 347.957+/-293.077 χ²/NDF:23.8/13
Right Out: 80.094+/-232.154 χ²/NDF: 16.0/18
Left In: 6.763+/-310.763 χ²/NDF:18.5/11
Left: 187.345+/-213.215 χ²/NDF: 43.0/25
Right: 176.417+/-163.628 χ²/NDF: 32.8/34
In: 177.462+/-185.217 χ²/NDF:35.5/27
Out: 183.368+/-181.979 χ²/NDF:40.3/32
All: 180.467+/-129.808 χ²/NDF: 75.8/60



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 972.108+/-0.207 χ^2/NDF:293293.8/13

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 988.807+/-0.220 χ^2/NDF:362660.4/11

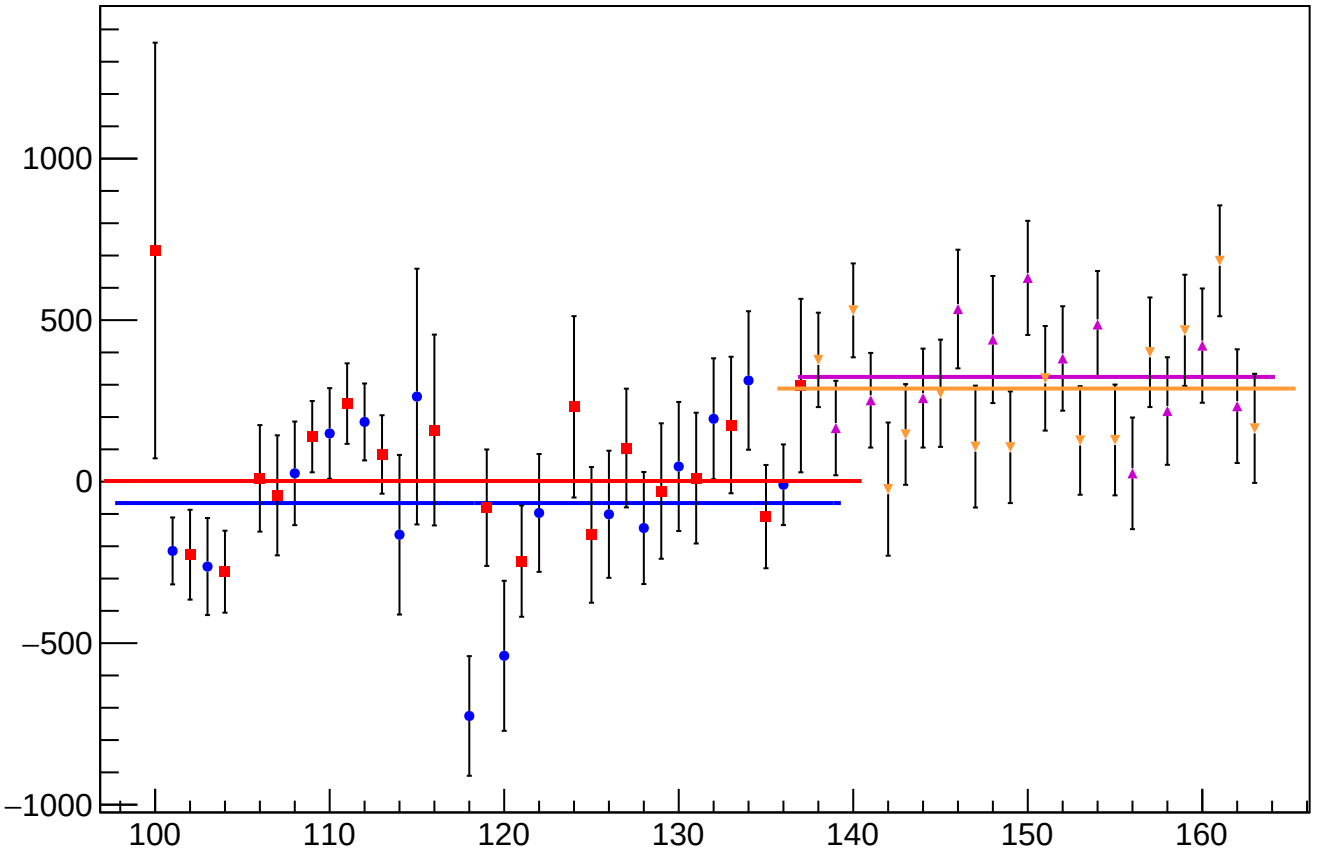
Left: 979.969+/-0.151 χ^2/NDF: 659010.6/25

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 696.644+/-0.131 χ^2/NDF:6736708.3/27

Out: 720.636+/-0.129 χ^2/NDF:5800737.4/32

All: 708.852+/-0.092 χ^2/NDF: 12554520.3/60



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 324.141+/-48.109 χ^2/NDF:11.3/11

Left: 304.827+/-32.725 χ^2/NDF: 29.1/25

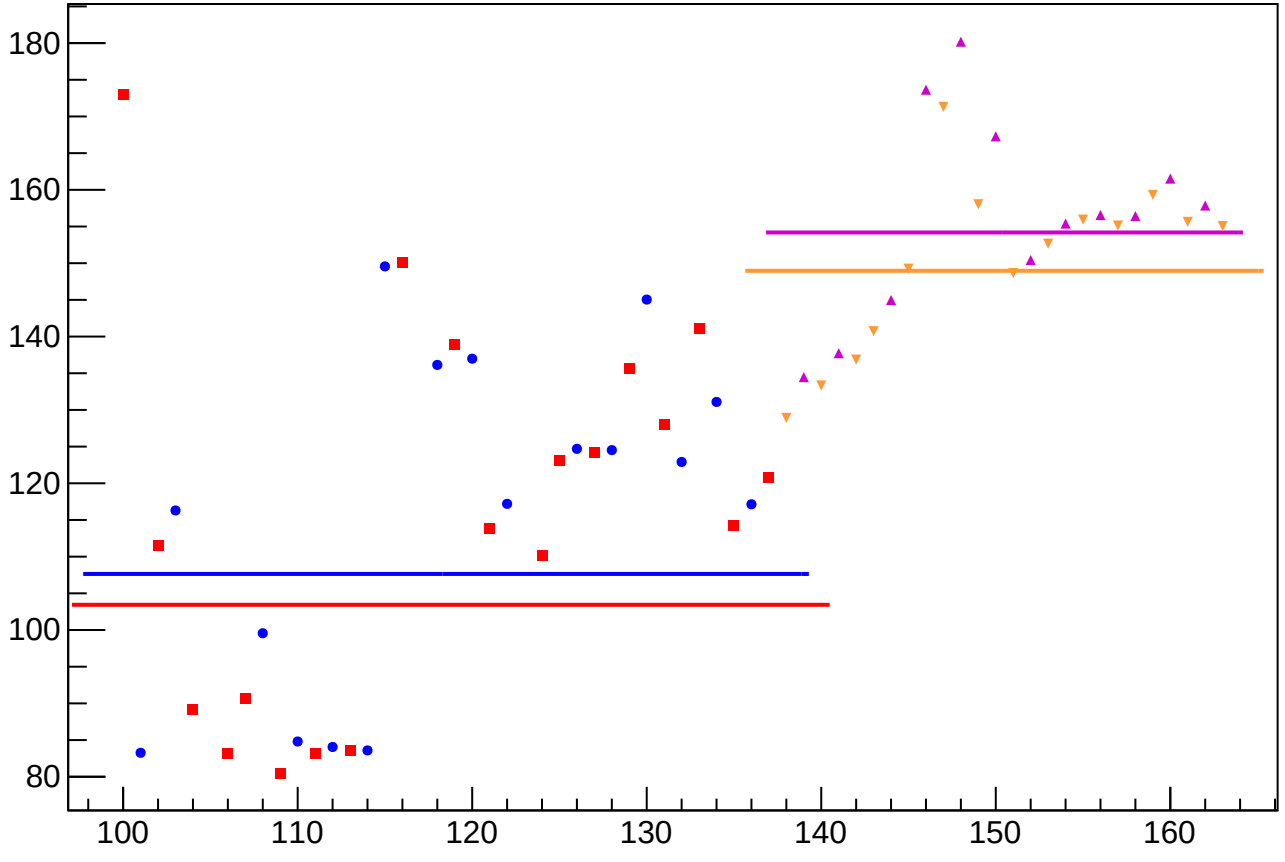
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 97.701+/-31.177 χ^2/NDF:83.9/27

Out: 125.674+/-29.345 χ^2/NDF:61.9/32

All: 112.534+/-21.368 χ^2/NDF: 146.3/60

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.189+/-0.034 χ^2/NDF:143460.3/11

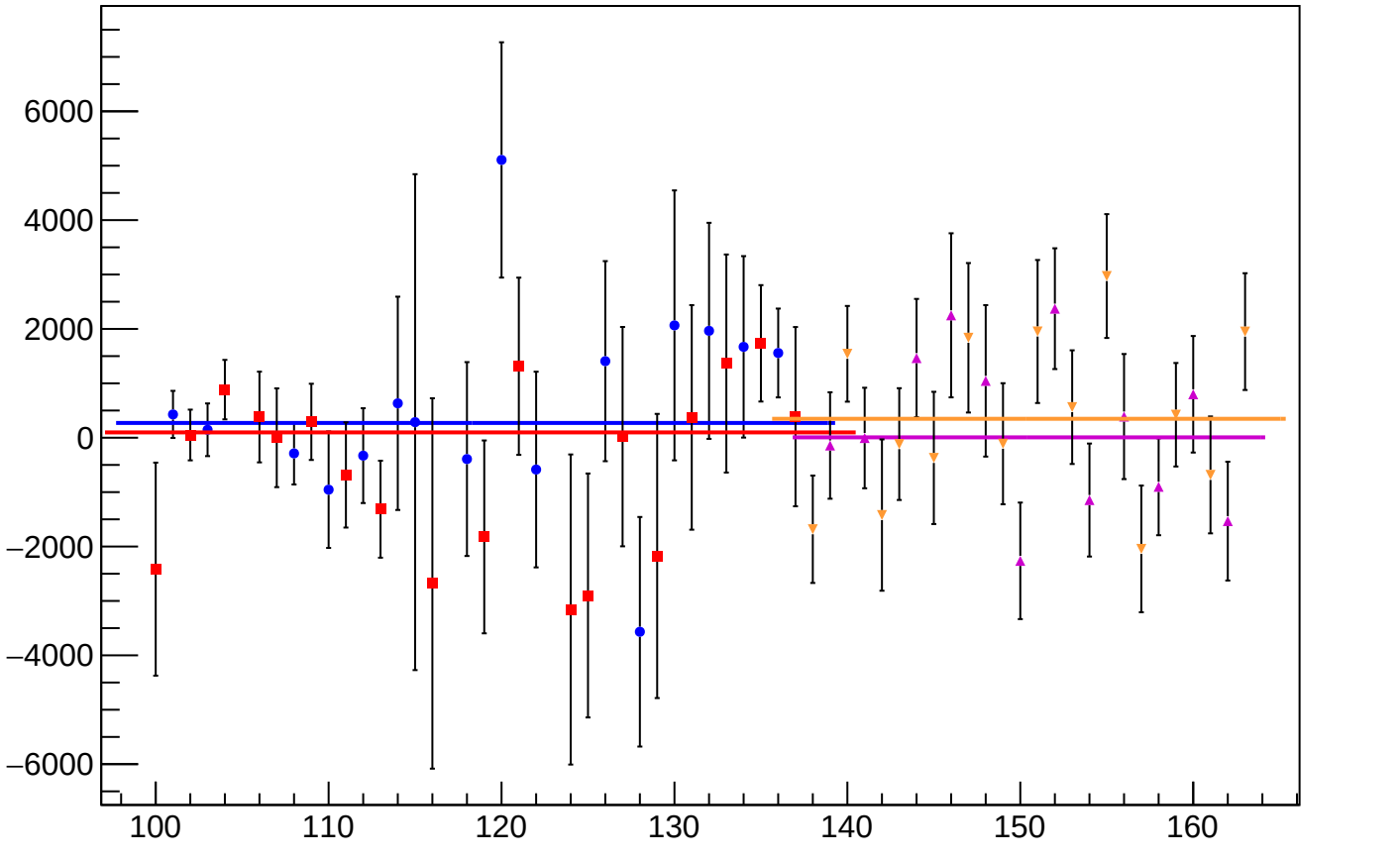
Left: 151.381+/-0.023 χ^2/NDF: 282765.4/25

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 127.192+/-0.022 χ^2/NDF:1762096.6/27

Out: 123.105+/-0.021 χ^2/NDF:1932559.8/32

All: 125.025+/-0.015 χ^2/NDF: 3712876.8/60



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 6.763+/-310.763 χ^2/NDF:18.5/11

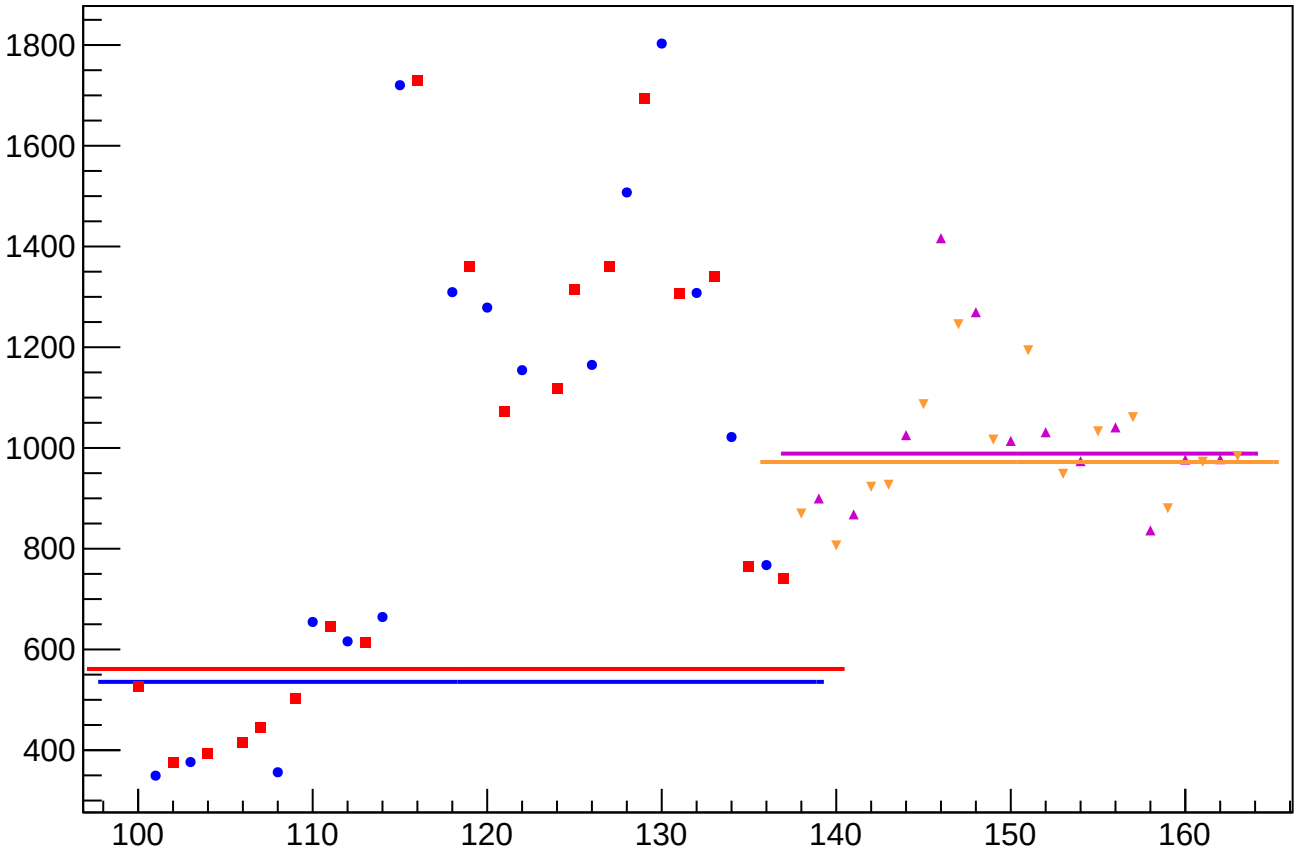
Left: 187.346+/-213.215 χ^2/NDF: 43.0/25

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 177.556+/-185.213 χ^2/NDF:35.5/27

Out: 194.597+/-182.280 χ^2/NDF:40.4/32

All: 186.212+/-129.916 χ^2/NDF: 75.9/60



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 988.807+/-0.220 χ^2/NDF:362659.8/11

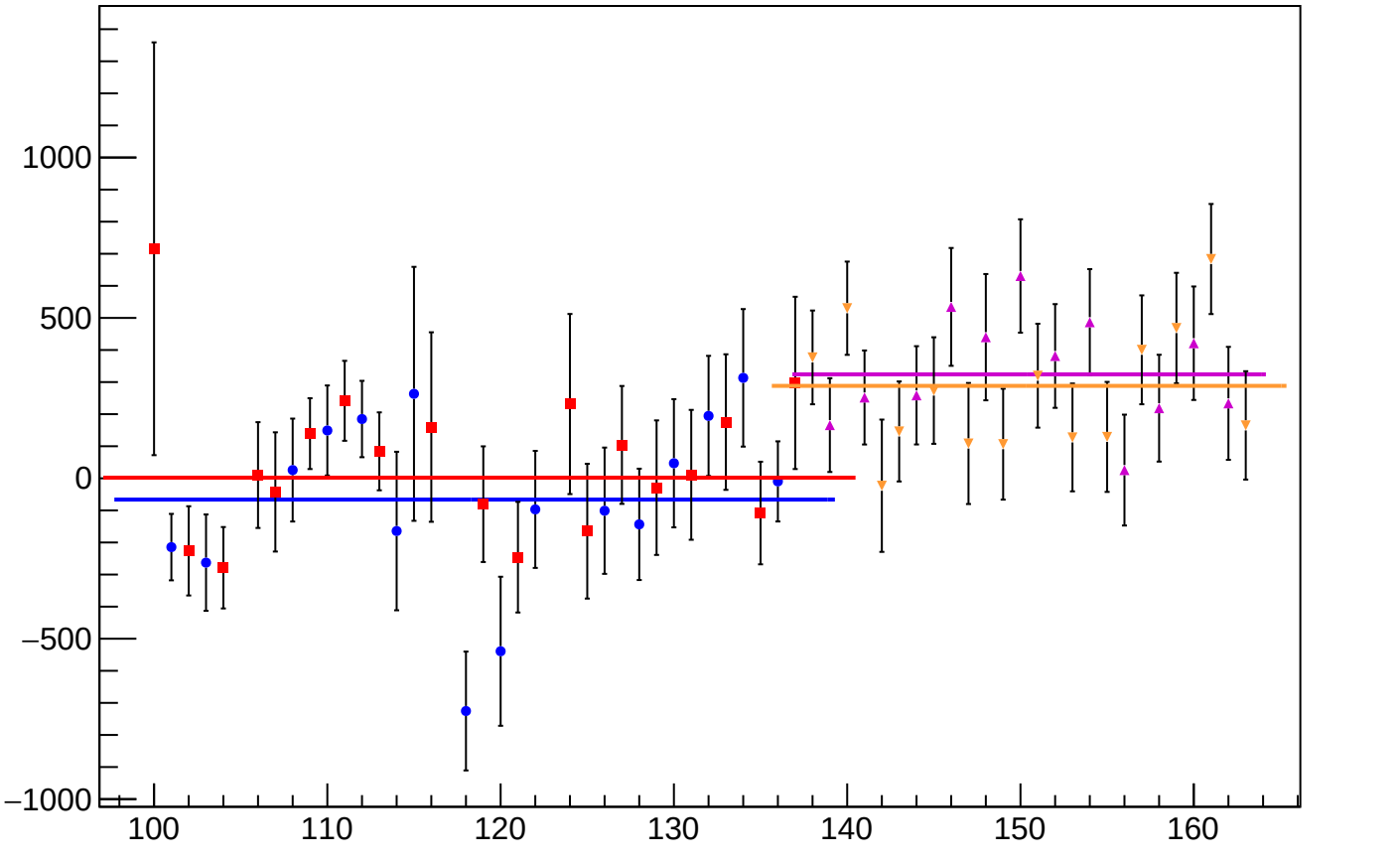
Left: 979.969+/-0.151 χ^2/NDF: 659010.4/25

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 696.624+/-0.131 χ^2/NDF:6737234.3/27

Out: 720.193+/-0.129 χ^2/NDF:5833930.4/32

All: 708.597+/-0.092 χ^2/NDF: 12587616.8/60



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.194+/-44.646 χ^2/NDF:17.5/13

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 324.141+/-48.109 χ^2/NDF:11.3/11

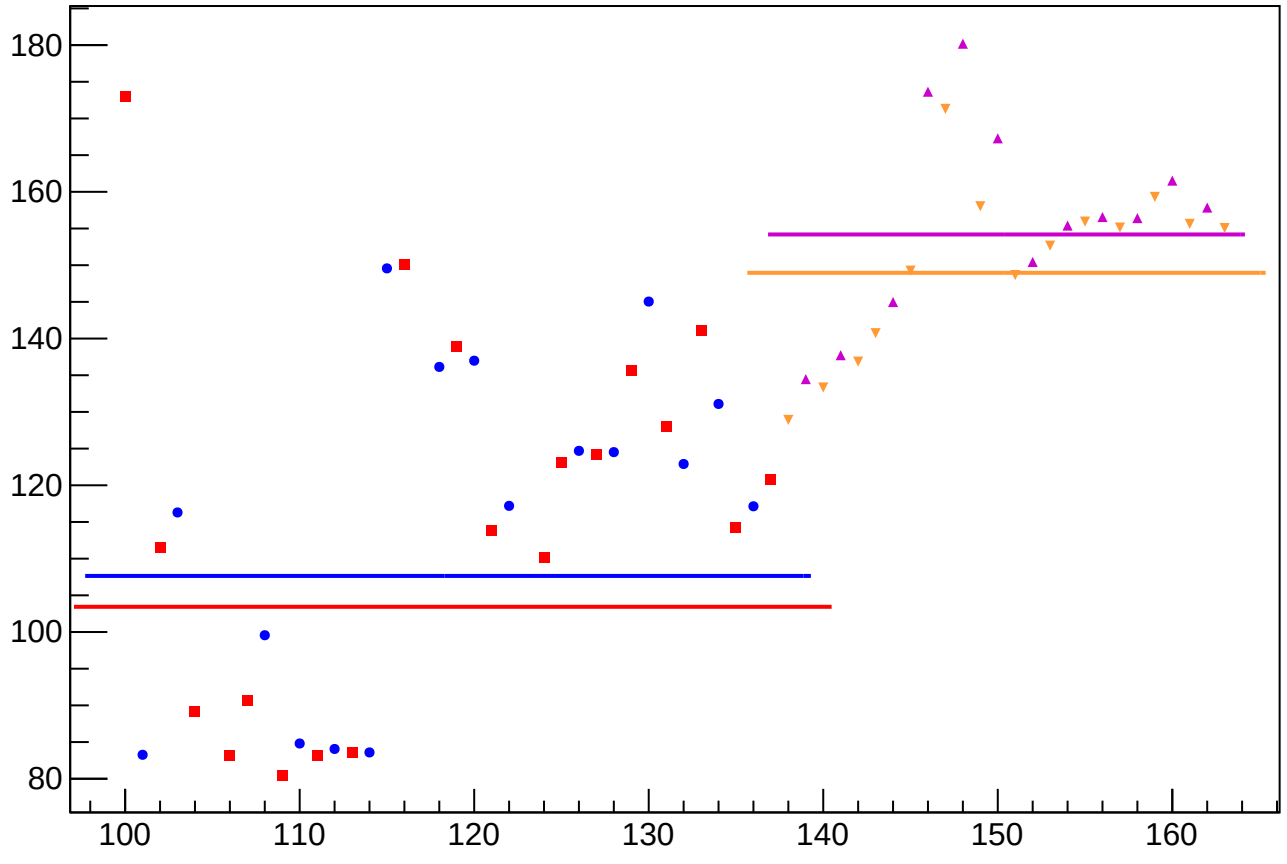
Left: 304.827+/-32.725 χ^2/NDF: 29.1/25

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 97.701+/-31.177 χ^2/NDF:83.9/27

Out: 125.674+/-29.345 χ^2/NDF:61.9/32

All: 112.534+/-21.368 χ^2/NDF: 146.3/60



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 148.963+/-0.032 χ^2/NDF:126627.9/13

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 154.189+/-0.034 χ^2/NDF:143460.3/11

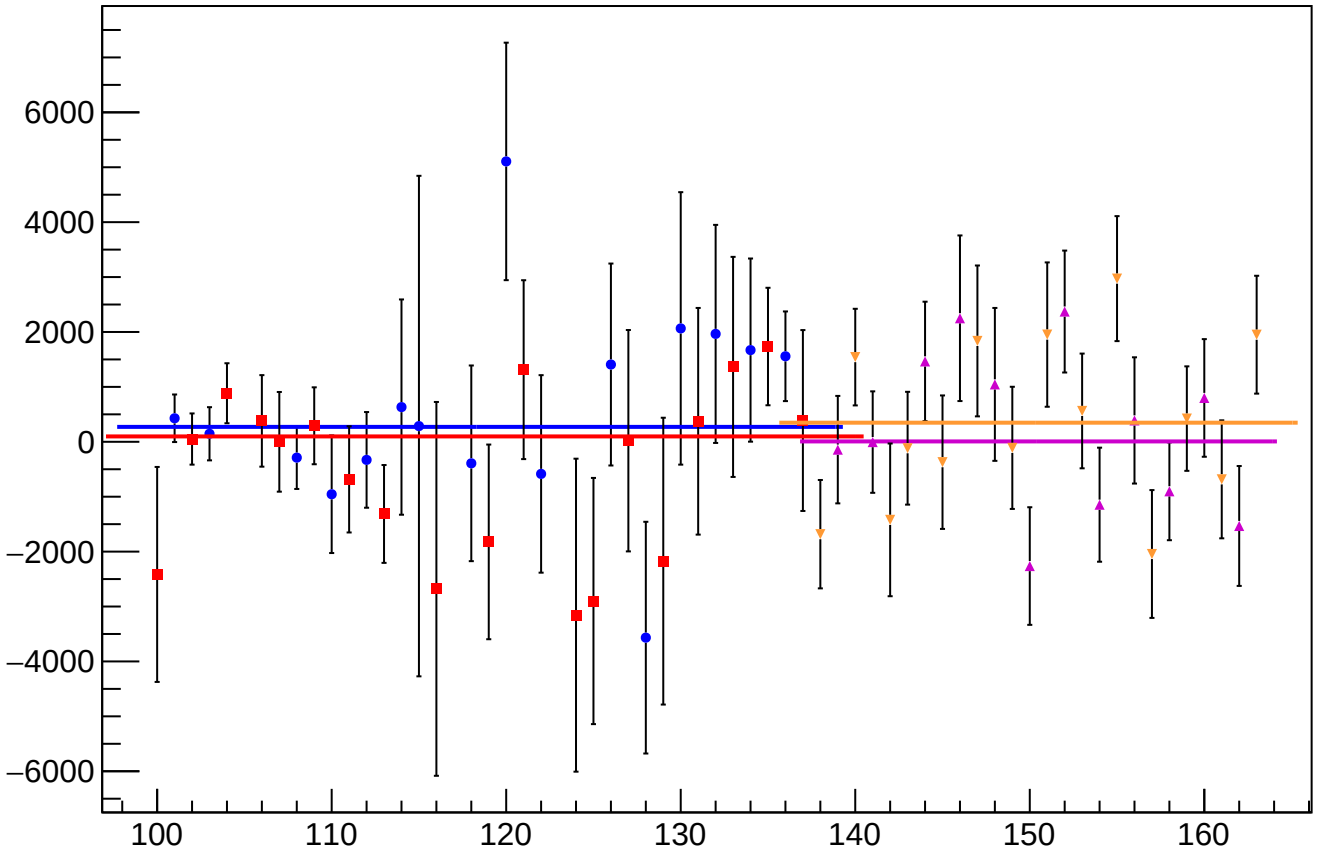
Left: 151.381+/-0.023 χ^2/NDF: 282765.4/25

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 127.192+/-0.022 χ^2/NDF:1762096.6/27

Out: 123.105+/-0.021 χ^2/NDF:1932559.8/32

All: 125.025+/-0.015 χ^2/NDF: 3712876.8/60



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 347.960+/-293.077 χ^2/NDF:23.8/13

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 6.763+/-310.763 χ^2/NDF:18.5/11

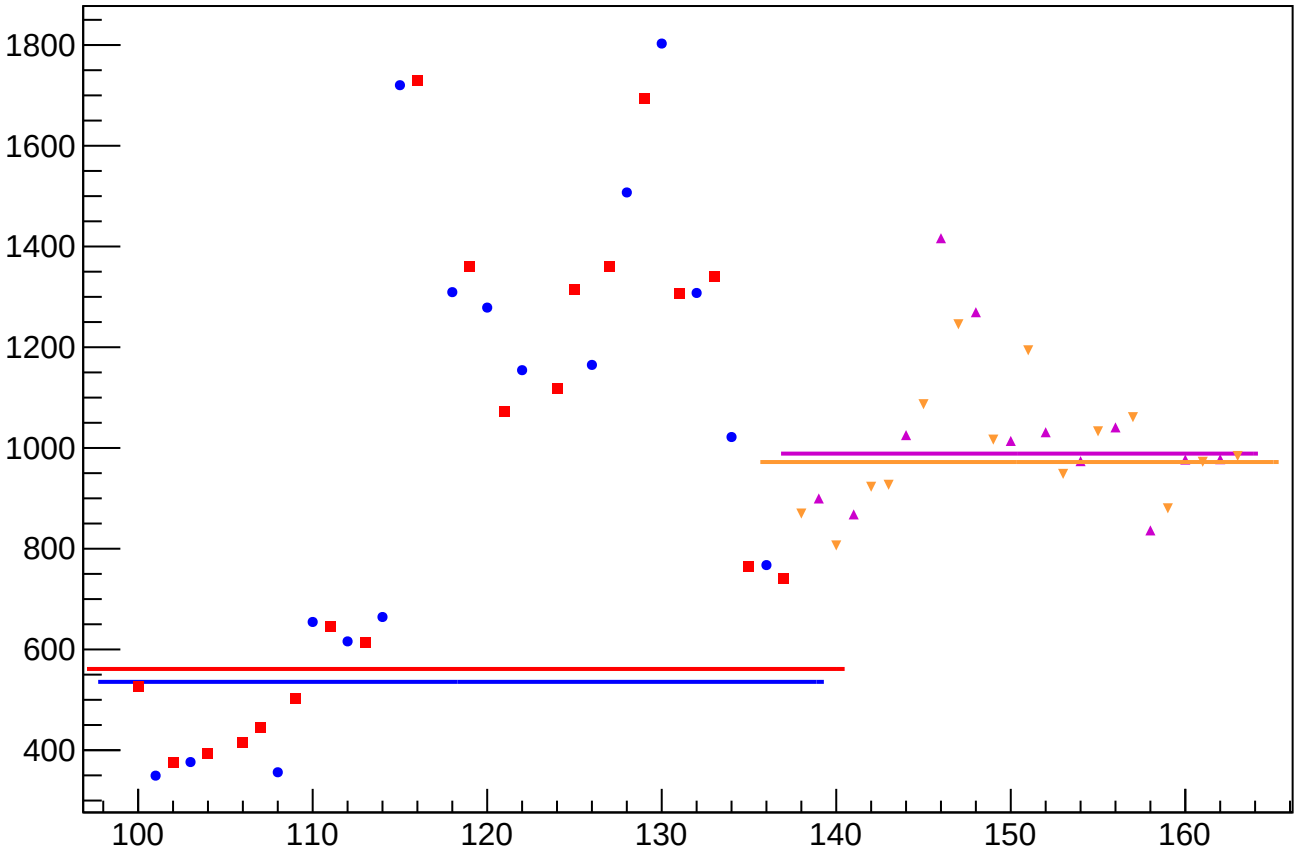
Left: 187.346+/-213.215 χ^2/NDF: 43.0/25

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 177.556+/-185.213 χ^2/NDF:35.5/27

Out: 194.597+/-182.280 χ^2/NDF:40.4/32

All: 186.212+/-129.916 χ^2/NDF: 75.9/60



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 972.109+/-0.207 χ^2/NDF:293294.2/13

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 988.807+/-0.220 χ^2/NDF:362659.8/11

Left: 979.969+/-0.151 χ^2/NDF: 659010.4/25

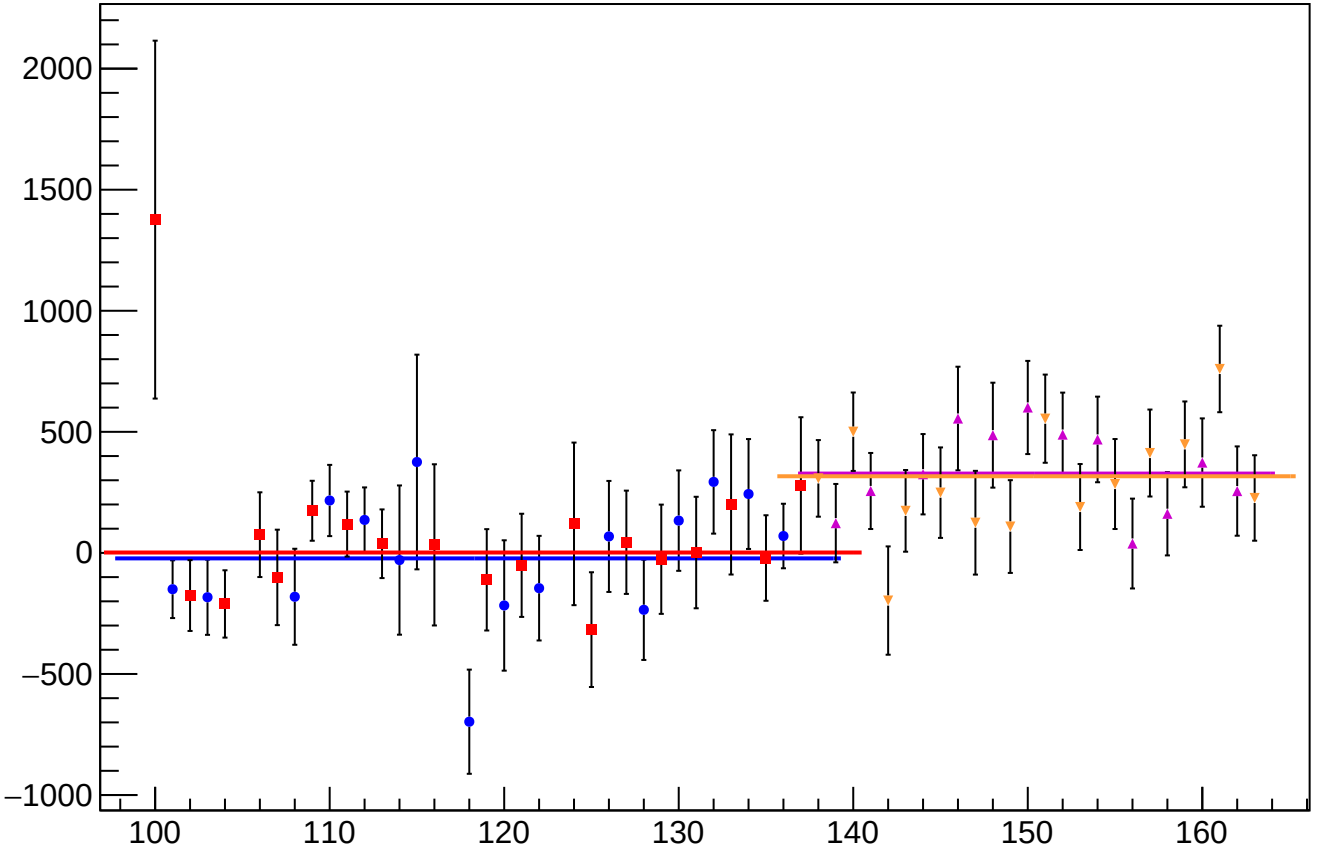
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 696.624+/-0.131 χ^2/NDF:6737234.3/27

Out: 720.193+/-0.129 χ^2/NDF:5833930.4/32

All: 708.597+/-0.092 χ^2/NDF: 12587616.8/60

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.534+/-48.335 χ^2/NDF:18.9/13

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 327.601+/-51.798 χ^2/NDF:10.6/11

Left: 321.685+/-35.339 χ^2/NDF: 29.5/25

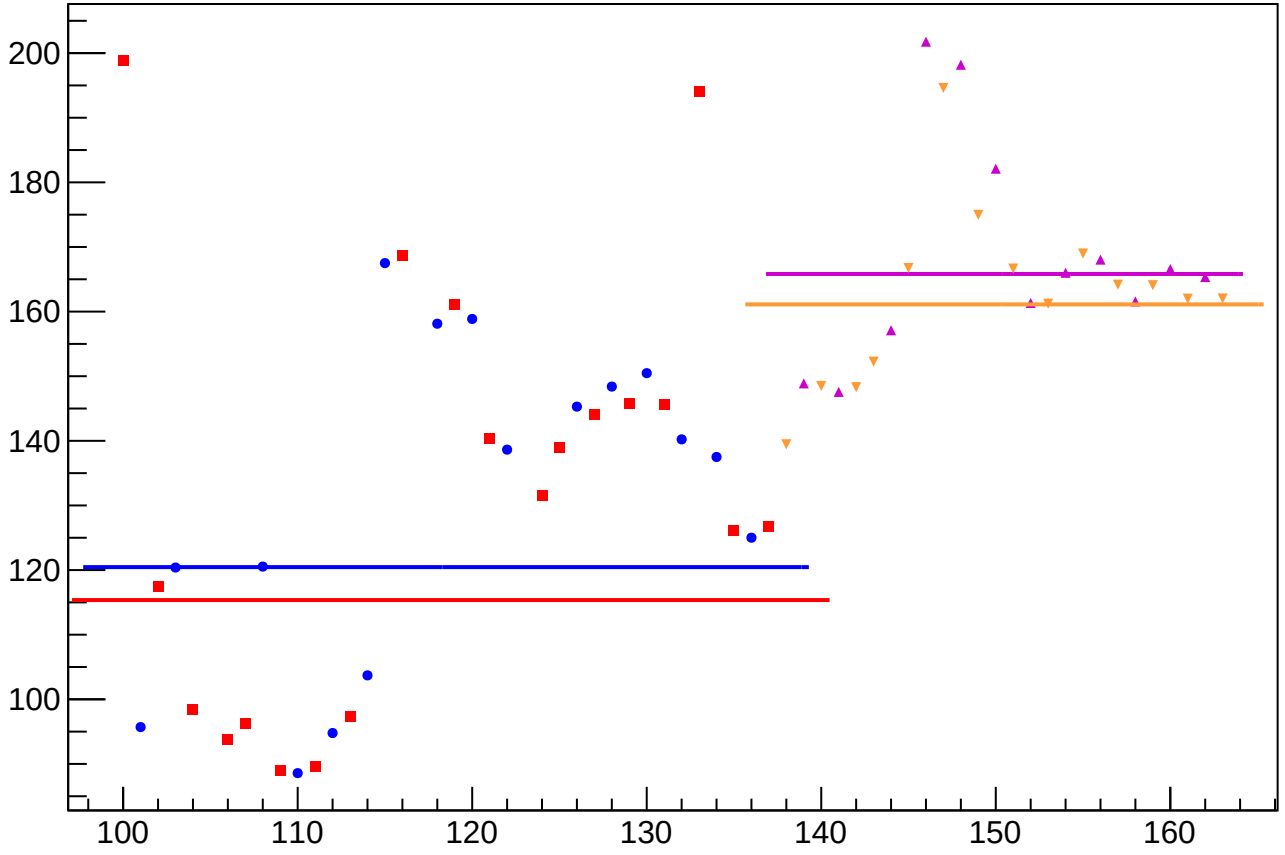
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 131.424+/-34.356 χ^2/NDF:60.4/27

Out: 142.759+/-32.360 χ^2/NDF:56.6/32

All: 137.430+/-23.556 χ^2/NDF: 117.0/60

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 161.114+/-0.034 χ^2/NDF:129562.2/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 165.821+/-0.037 χ^2/NDF:172722.5/11

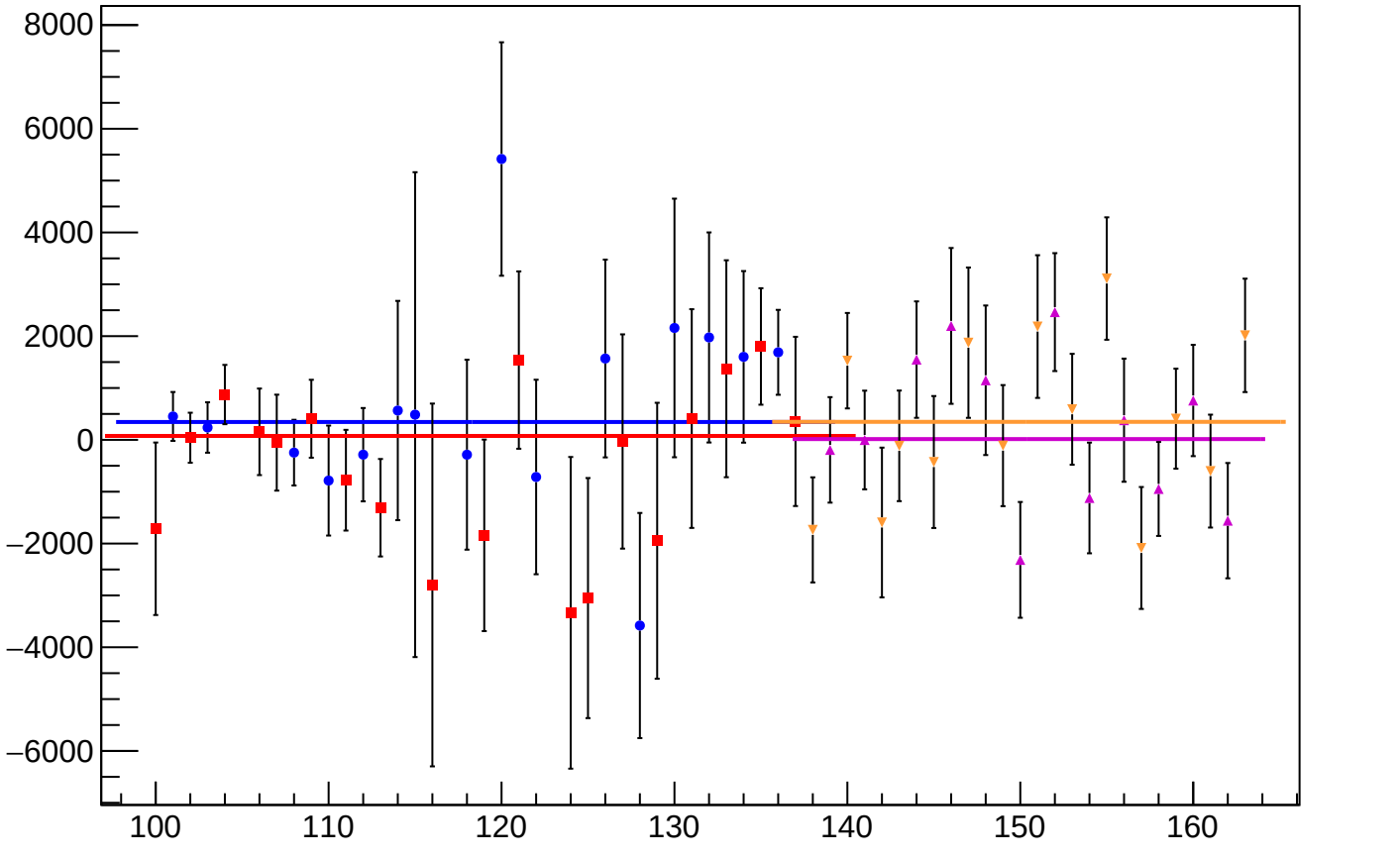
Left: 163.305+/-0.025 χ^2/NDF: 311113.4/25

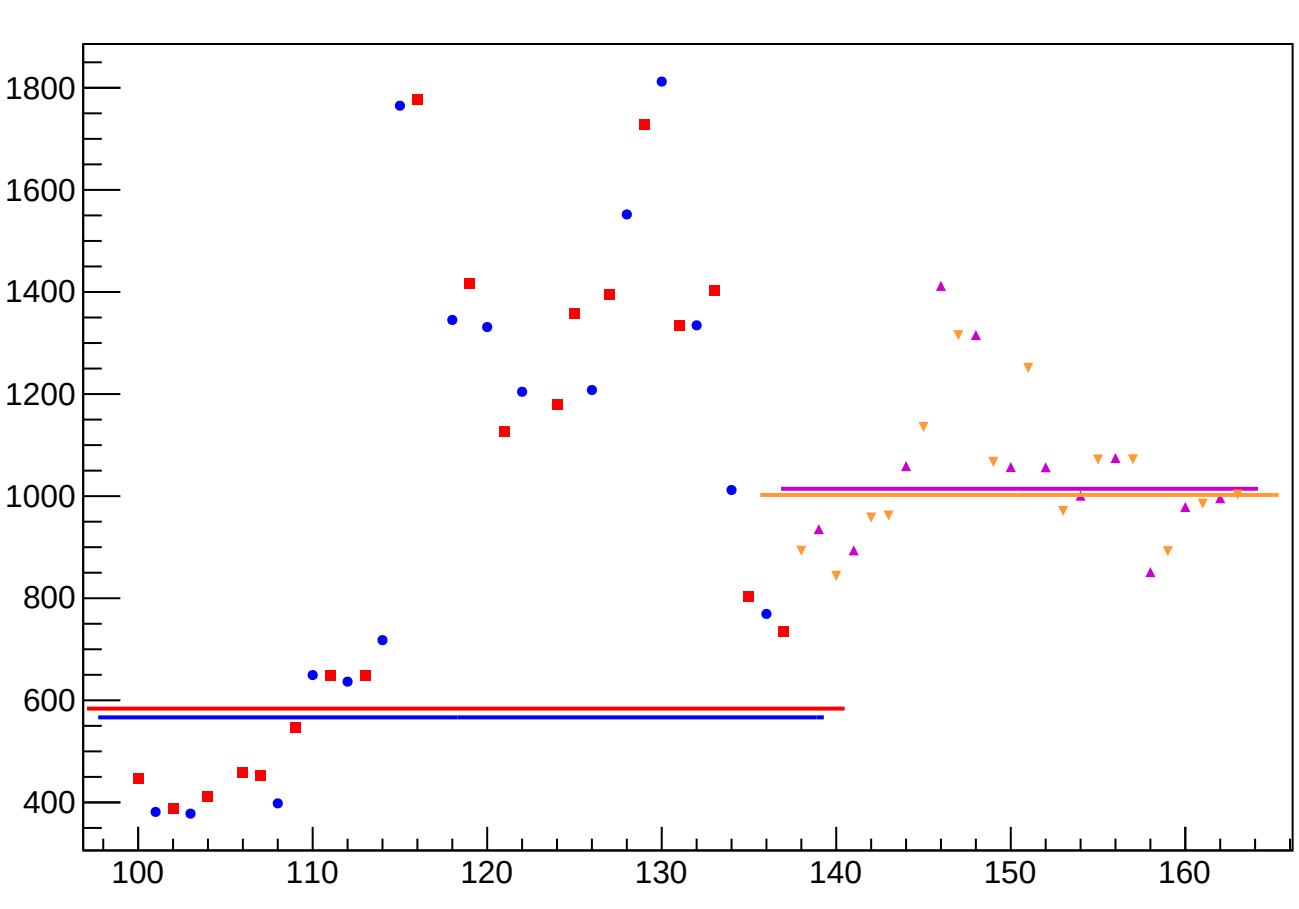
Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 140.415+/-0.024 χ^2/NDF:1562161.9/27

Out: 135.866+/-0.023 χ^2/NDF:1885817.4/32

All: 138.005+/-0.017 χ^2/NDF: 3466560.5/60


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
Right In: 344.437+/-241.532 χ²/NDF: 16.2/15
Left Out: 347.240+/-302.366 χ²/NDF:24.2/13
Right Out: 75.434+/-240.479 χ²/NDF: 15.3/18
Left In: 14.822+/-318.740 χ²/NDF:18.5/11
Left: 189.788+/-219.365 χ²/NDF: 43.2/25
Right: 209.348+/-170.415 χ²/NDF: 32.1/34
In: 224.206+/-192.505 χ²/NDF:35.4/27
Out: 180.747+/-188.211 χ²/NDF:39.9/32
All: 201.986+/-134.578 χ²/NDF: 75.3/60



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1002.393+/-0.214 χ^2/NDF:316438.3/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1014.453+/-0.225 χ^2/NDF:353301.8/11

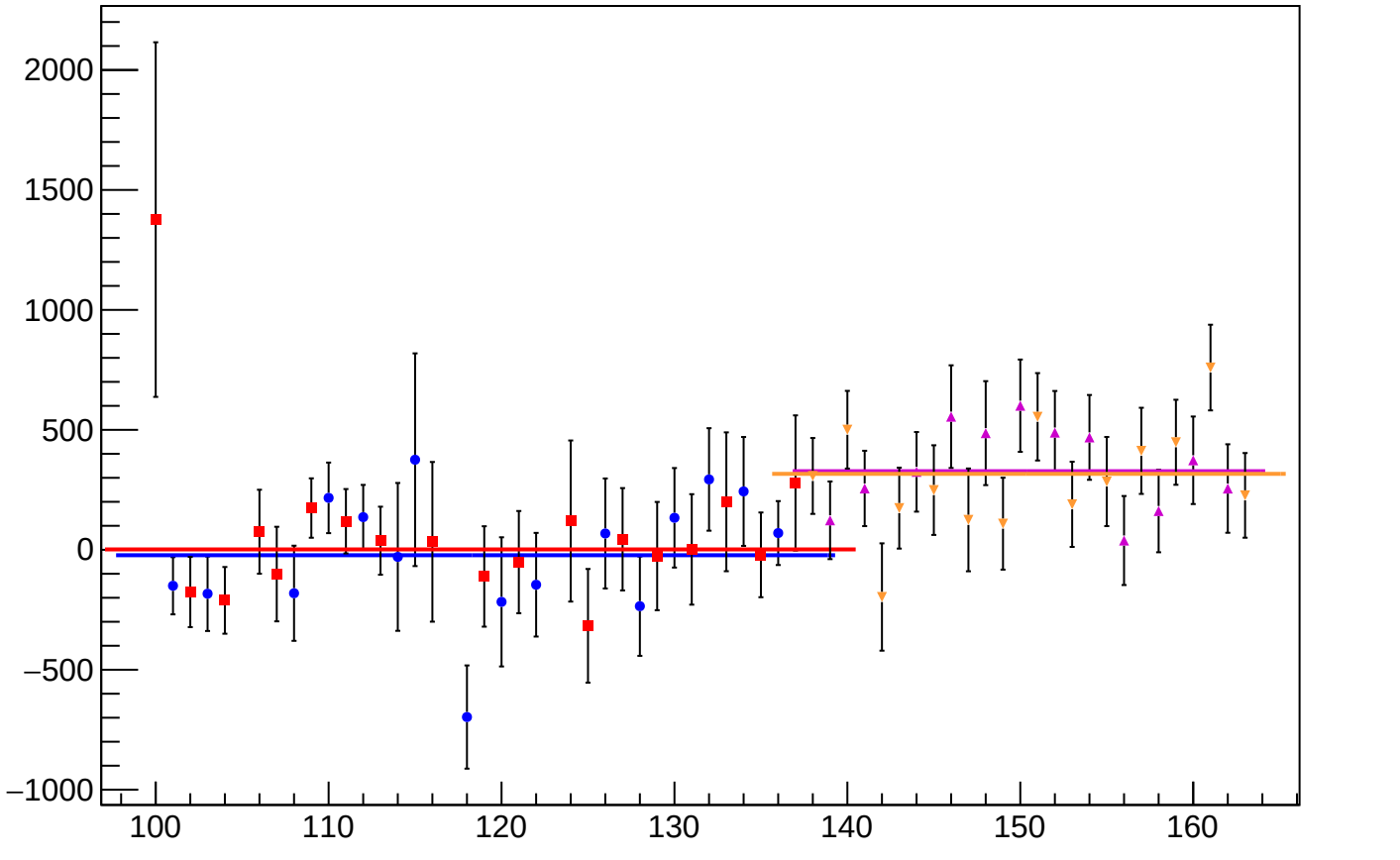
Left: 1008.105+/-0.155 χ^2/NDF: 671247.0/25

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 729.962+/-0.136 χ^2/NDF:6293906.2/27

Out: 745.984+/-0.133 χ^2/NDF:5771940.9/32

All: 738.154+/-0.095 χ^2/NDF: 12072929.9/60



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 316.535+/-48.335 χ^2/NDF:18.9/13

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 327.601+/-51.798 χ^2/NDF:10.6/11

Left: 321.685+/-35.339 χ^2/NDF: 29.5/25

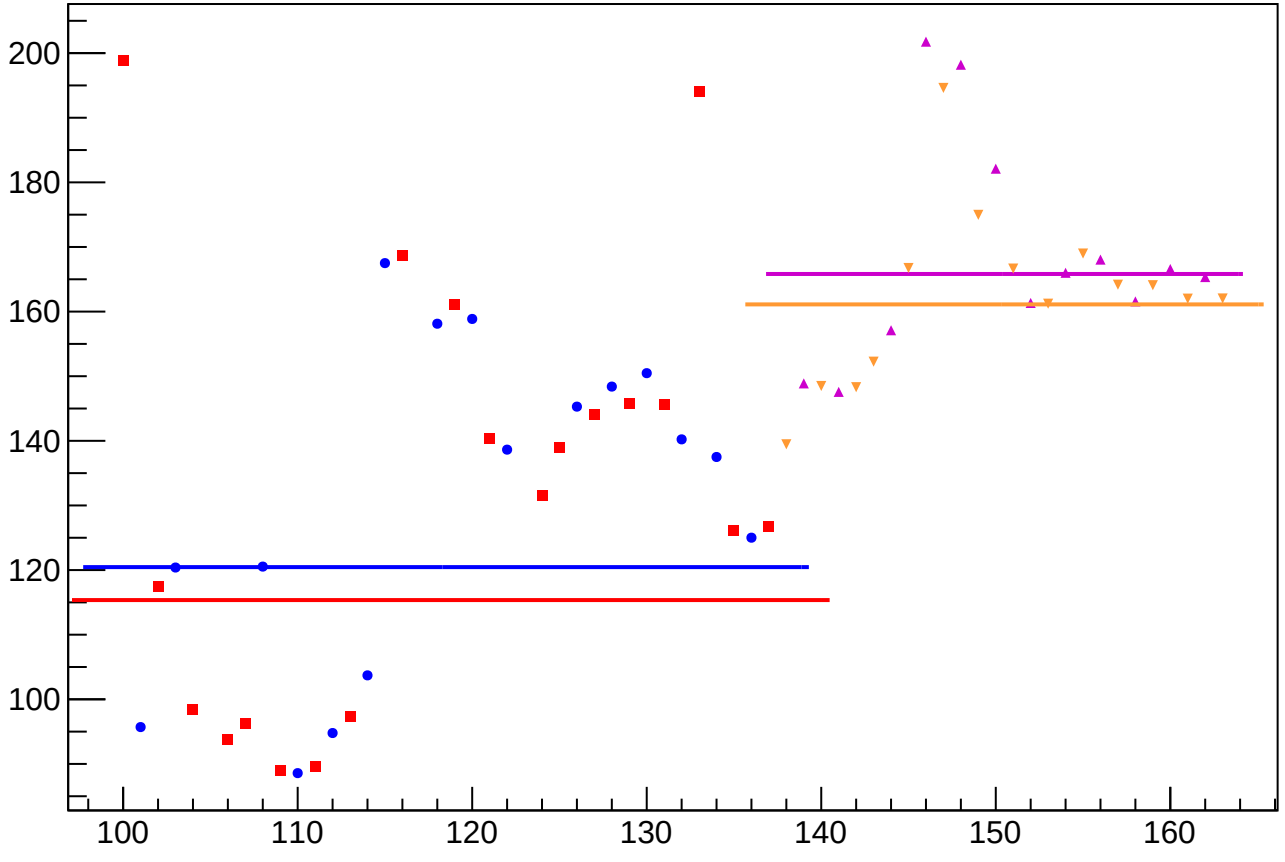
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 131.422+/-34.356 χ^2/NDF:60.4/27

Out: 142.760+/-32.360 χ^2/NDF:56.6/32

All: 137.430+/-23.556 χ^2/NDF: 117.0/60

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 161.114+/-0.034 χ^2/NDF:129561.3/13

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 165.821+/-0.037 χ^2/NDF:172722.9/11

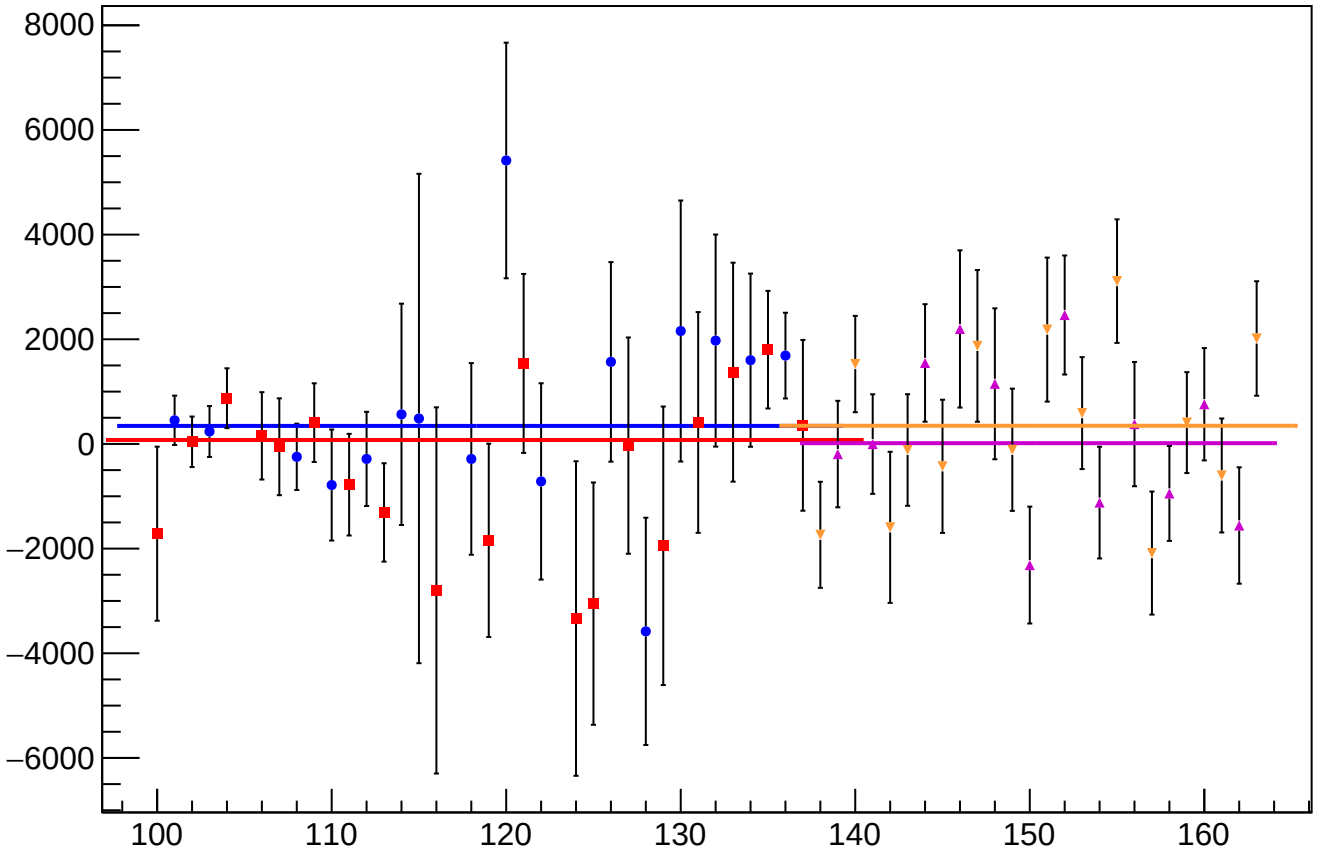
Left: 163.305+/-0.025 χ^2/NDF: 311113.0/25

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 140.415+/-0.024 χ^2/NDF:1562171.6/27

Out: 135.866+/-0.023 χ^2/NDF:1885817.7/32

All: 138.004+/-0.017 χ^2/NDF: 3466570.3/60



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 347.240+/-302.366 χ^2/NDF:24.2/13

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 14.822+/-318.740 χ^2/NDF:18.5/11

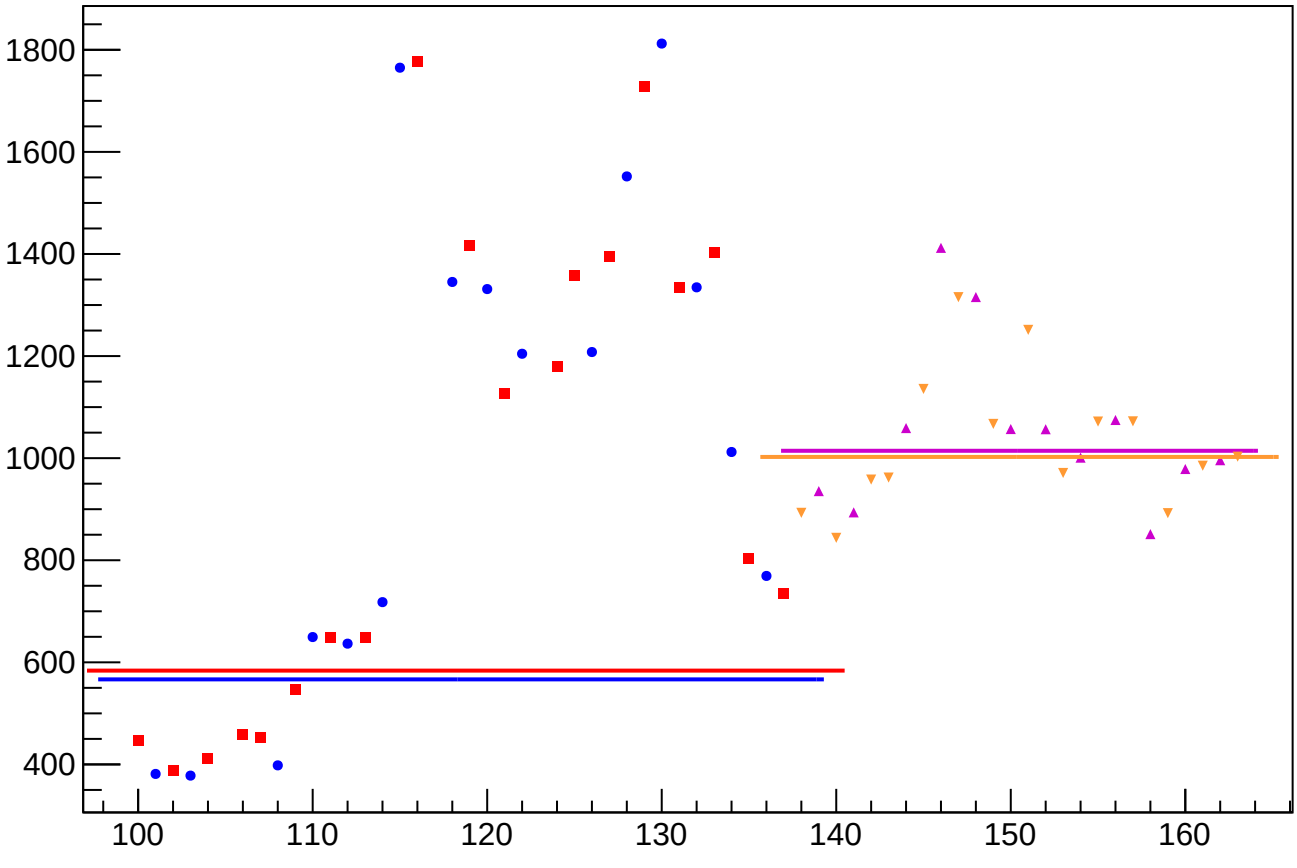
Left: 189.789+/-219.365 χ^2/NDF: 43.2/25

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 224.205+/-192.505 χ^2/NDF:35.4/27

Out: 180.748+/-188.211 χ^2/NDF:39.9/32

All: 201.987+/-134.578 χ^2/NDF: 75.3/60



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1002.393+/-0.214 χ^2/NDF:316440.6/13

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1014.452+/-0.225 χ^2/NDF:353304.7/11

Left: 1008.105+/-0.155 χ^2/NDF: 671252.2/25

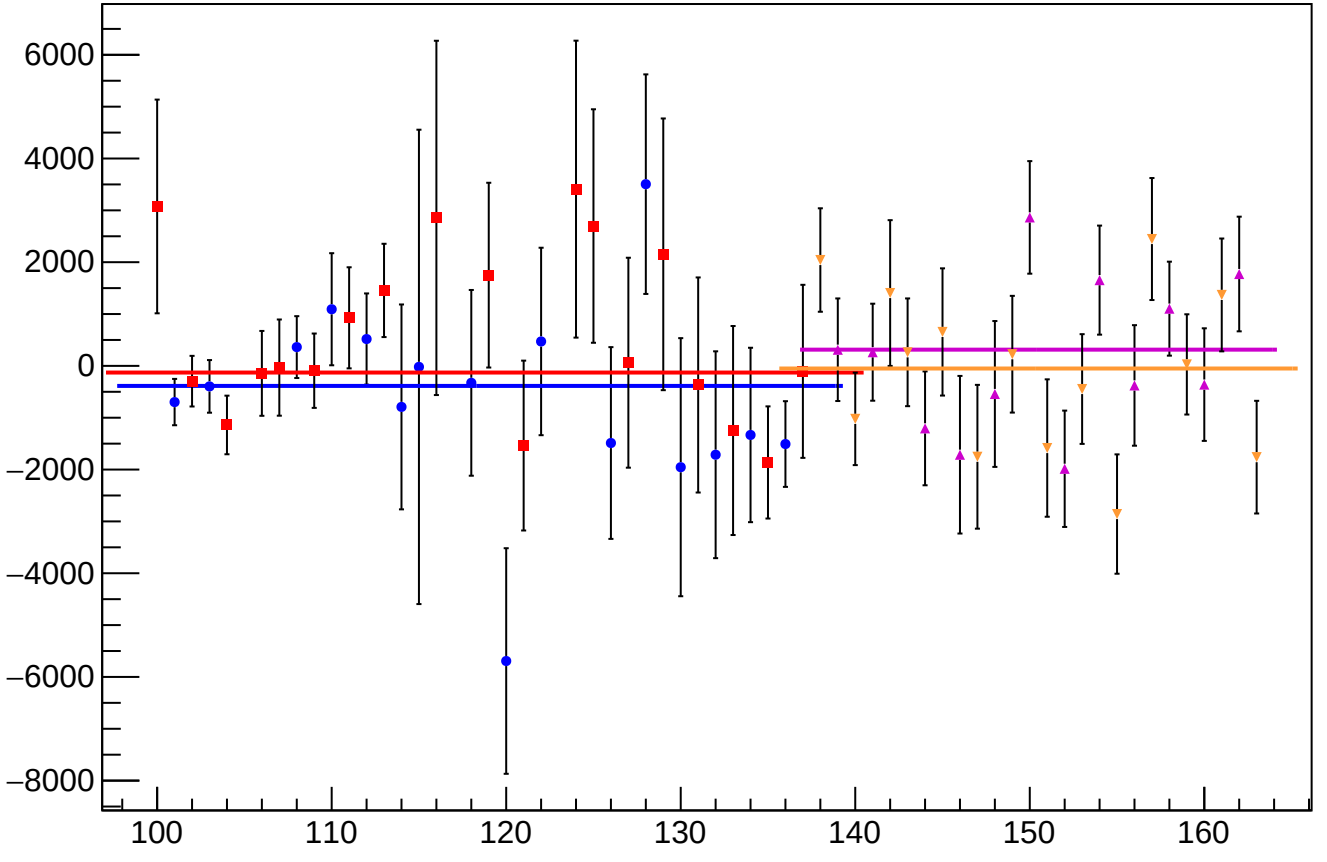
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 729.961+/-0.136 χ^2/NDF:6293919.8/27

Out: 745.983+/-0.133 χ^2/NDF:5771948.6/32

All: 738.153+/-0.095 χ^2/NDF: 12072951.5/60

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -50.742+/-296.611 χ^2/NDF:24.8/13

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 312.963+/-314.648 χ^2/NDF:18.6/11

Left: 120.387+/-215.830 χ^2/NDF: 44.1/25

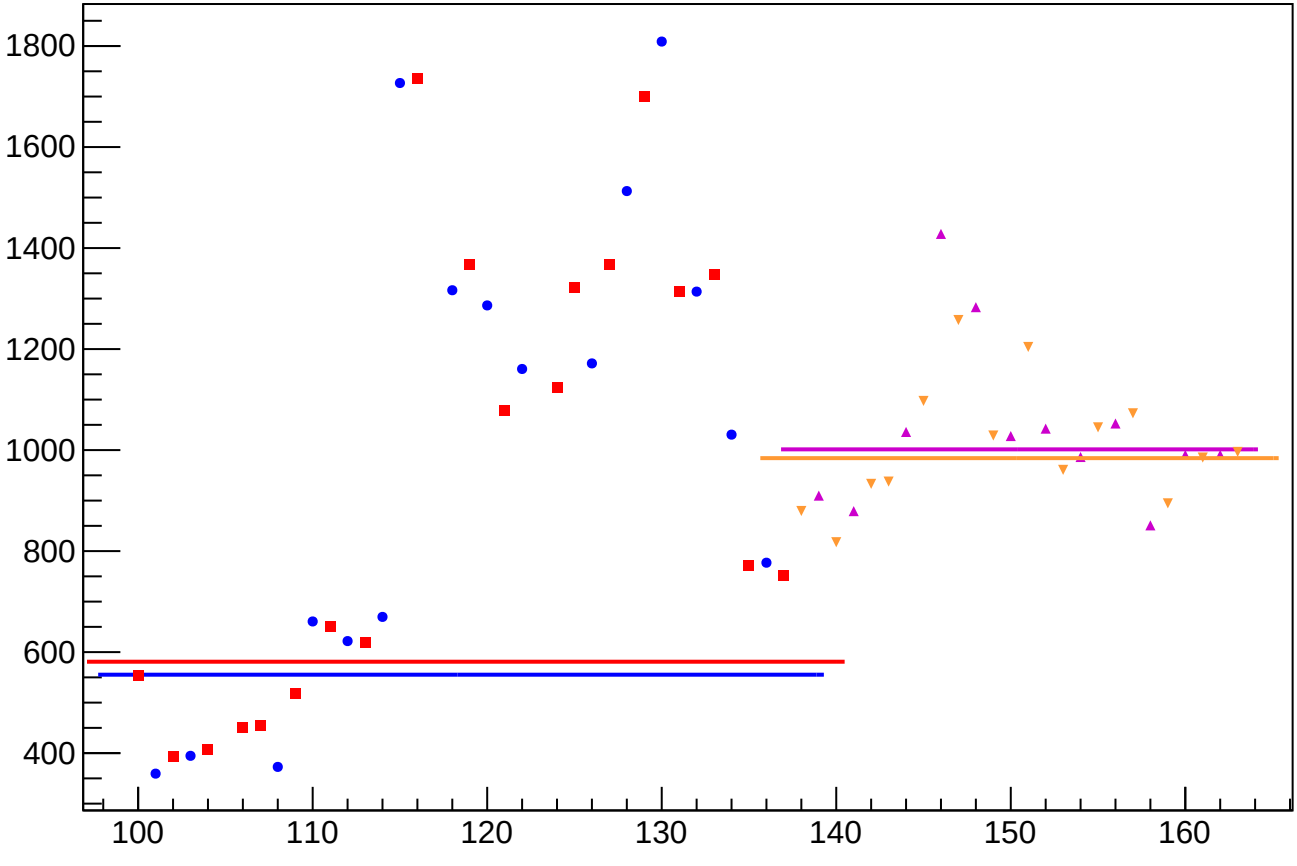
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -132.609+/-189.574 χ^2/NDF:39.7/27

Out: -98.058+/-185.744 χ^2/NDF:44.2/32

All: -114.981+/-132.674 χ^2/NDF: 83.9/60

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 984.065+/-0.210 χ^2/NDF:286805.8/13

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1001.451+/-0.222 χ^2/NDF:354611.0/11

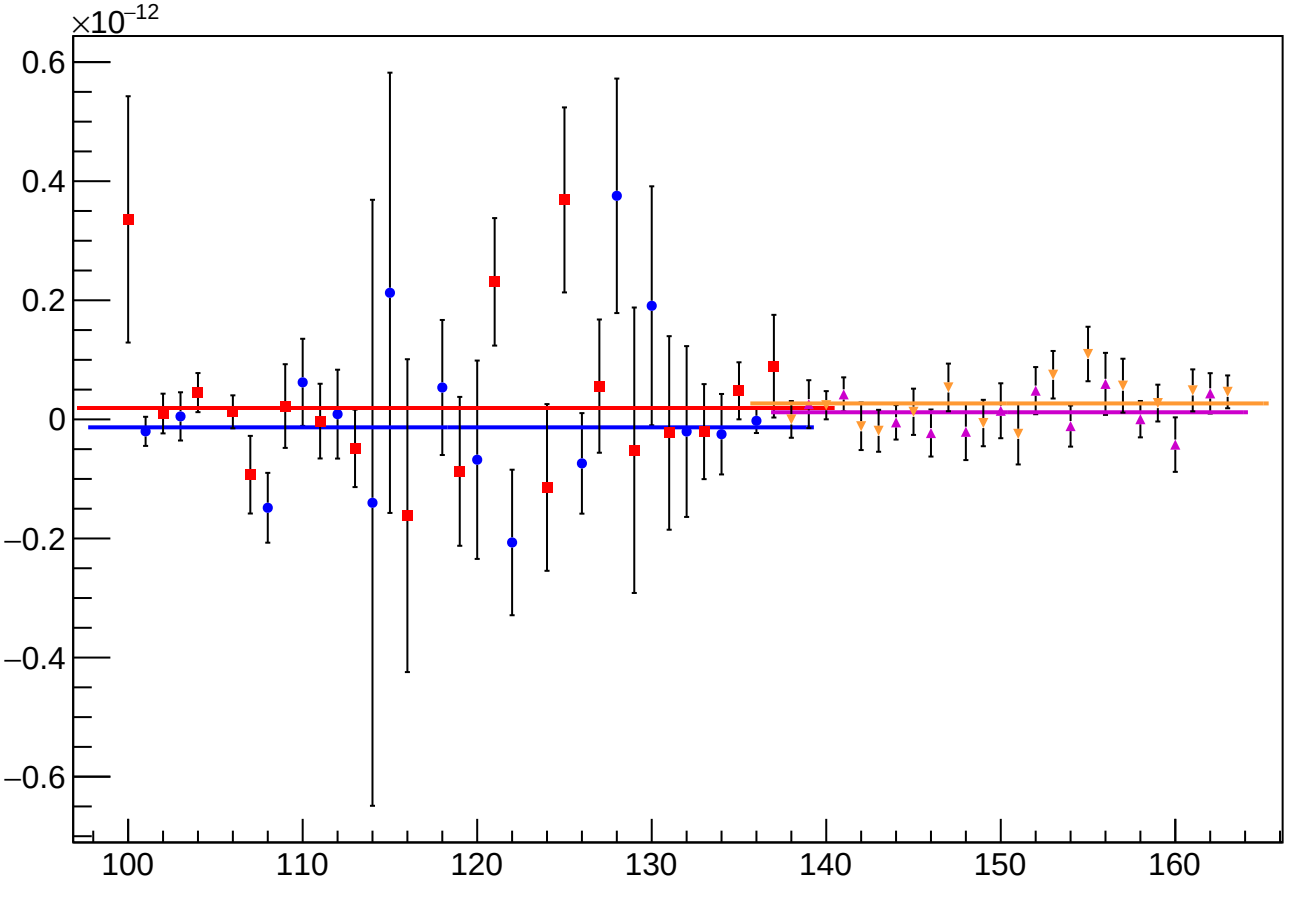
Left: 992.245+/-0.153 χ^2/NDF: 644650.0/25

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 717.247+/-0.134 χ^2/NDF:6398660.1/27

Out: 739.060+/-0.131 χ^2/NDF:5515335.5/32

All: 728.376+/-0.094 χ^2/NDF: 11927504.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.4/11

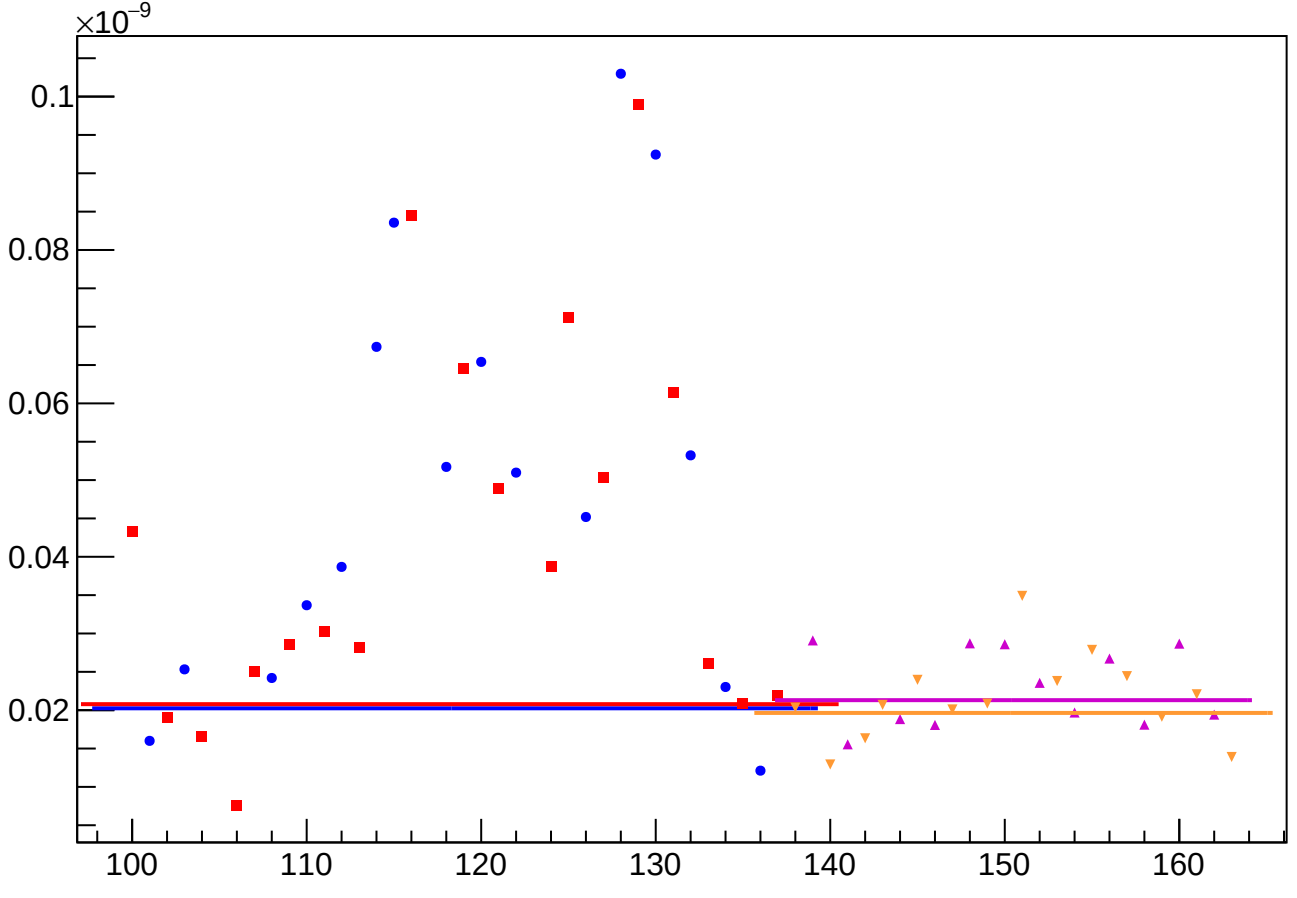
Left: 0.000+/-0.000 χ^2/NDF: 20.2/25

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:25.6/27

Out: 0.000+/-0.000 χ^2/NDF:31.8/32

All: 0.000+/-0.000 χ^2/NDF: 61.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:586393.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:395092.8/11

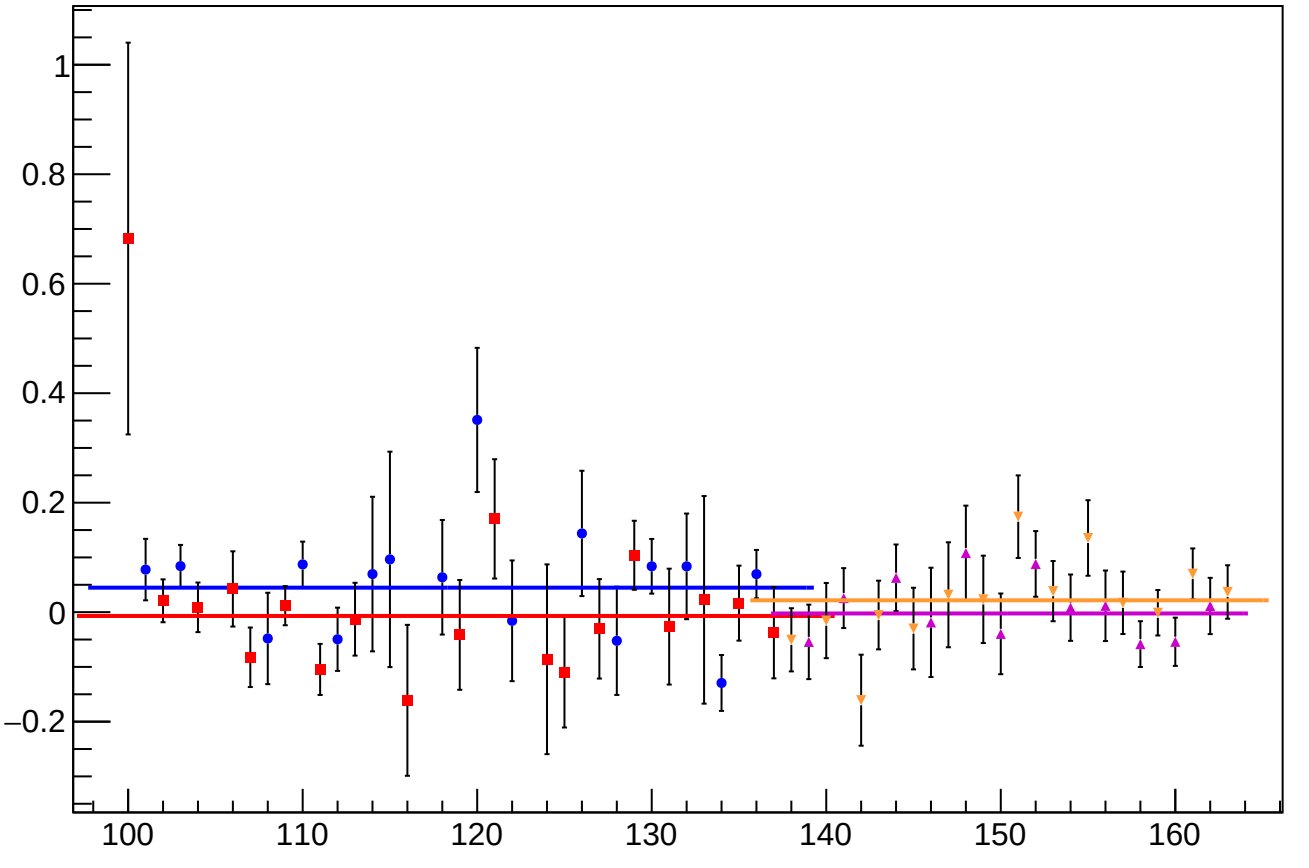
Left: 0.000+/-0.000 χ^2/NDF: 1009022.7/25

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2407815.3/27

Out: 0.000+/-0.000 χ^2/NDF:2451592.9/32

All: 0.000+/-0.000 χ^2/NDF: 4871434.9/60



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.002+/-0.017 χ^2/NDF:9.5/11

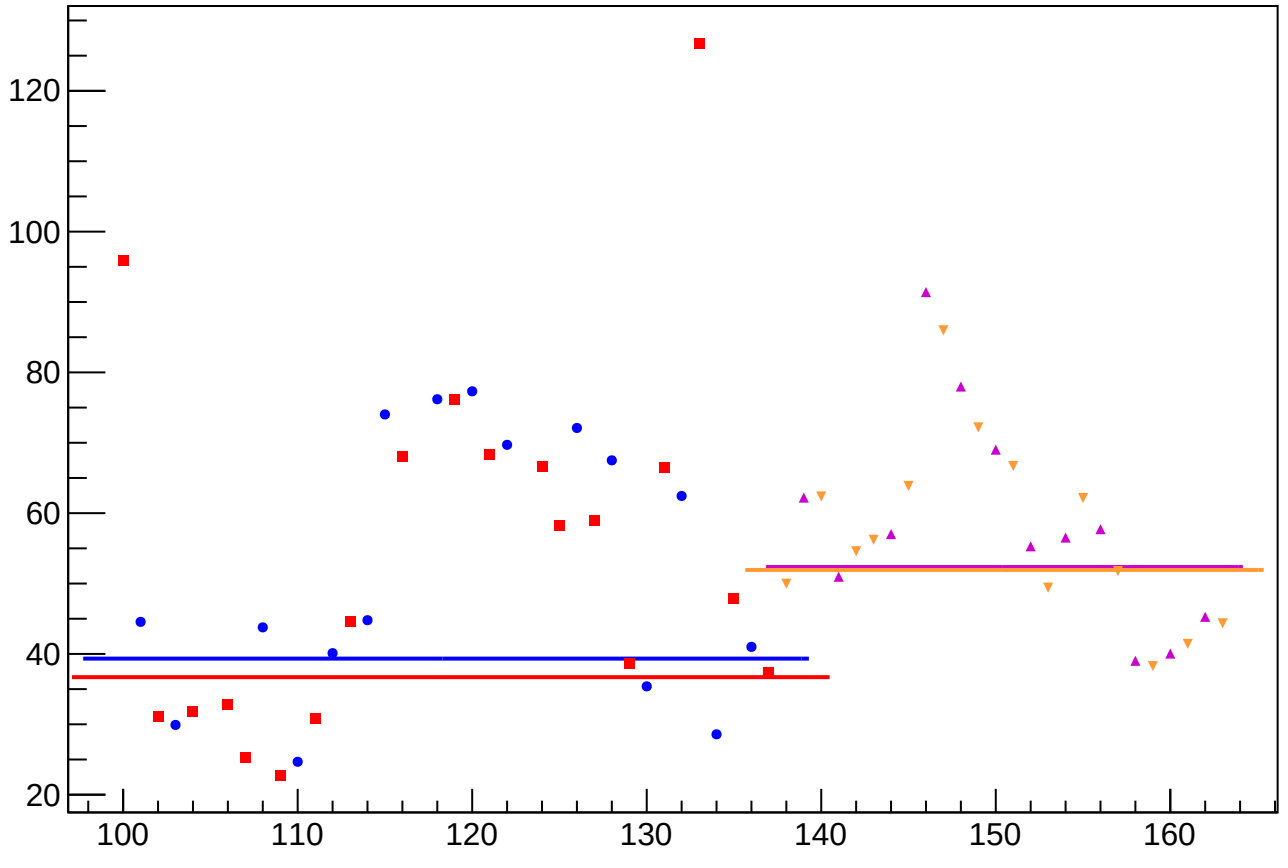
Left: 0.010+/-0.012 χ^2/NDF: 26.3/25

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.022+/-0.012 χ^2/NDF:40.2/27

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.014+/-0.008 χ^2/NDF: 78.8/60



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.932+/-0.011 χ^2/NDF:984493.7/13

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.345+/-0.012 χ^2/NDF:1063607.2/11

Left: 52.129+/-0.008 χ^2/NDF: 2048722.5/25

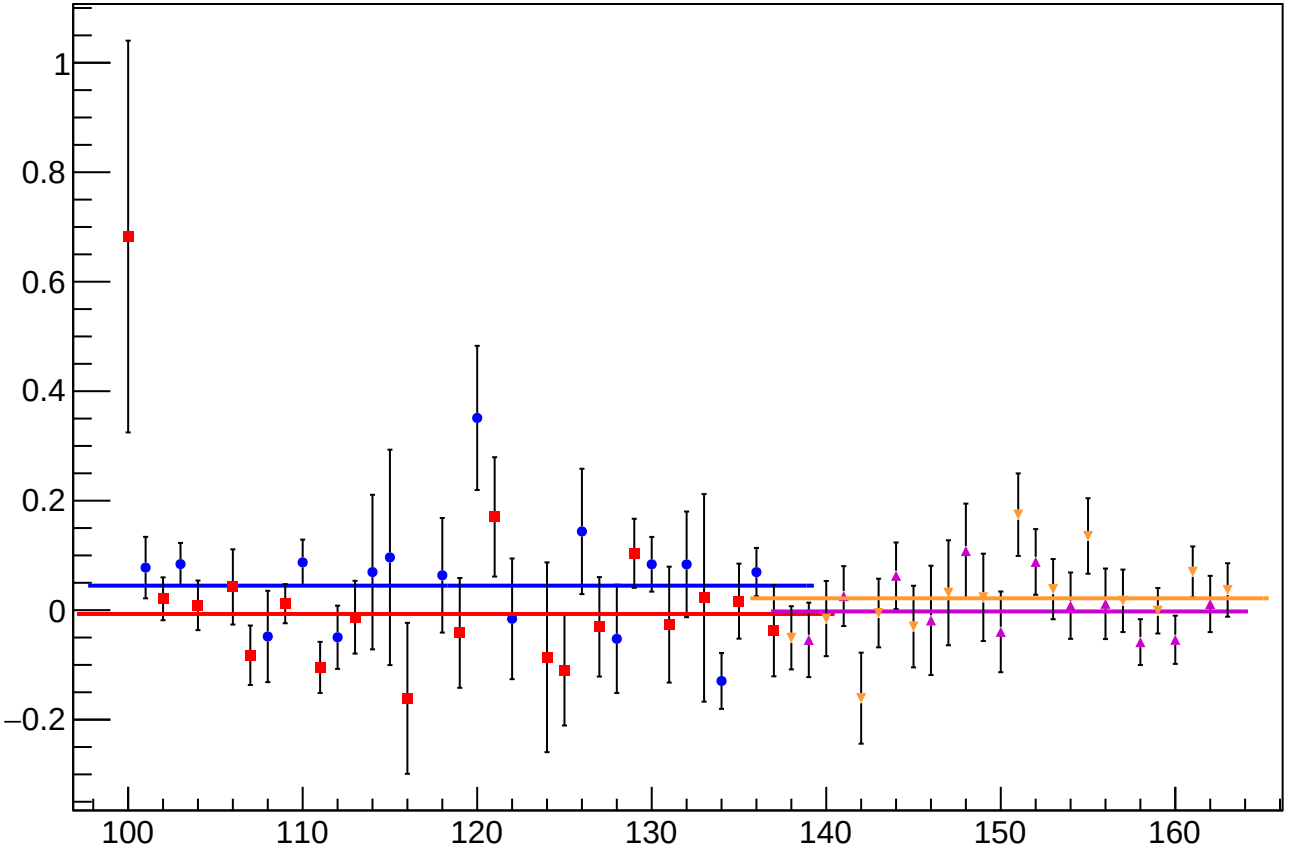
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.485+/-0.008 χ^2/NDF:3253588.2/27

Out: 43.821+/-0.008 χ^2/NDF:4031363.0/32

All: 44.608+/-0.006 χ^2/NDF: 7306515.3/60

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.002+/-0.017 χ^2/NDF:9.5/11

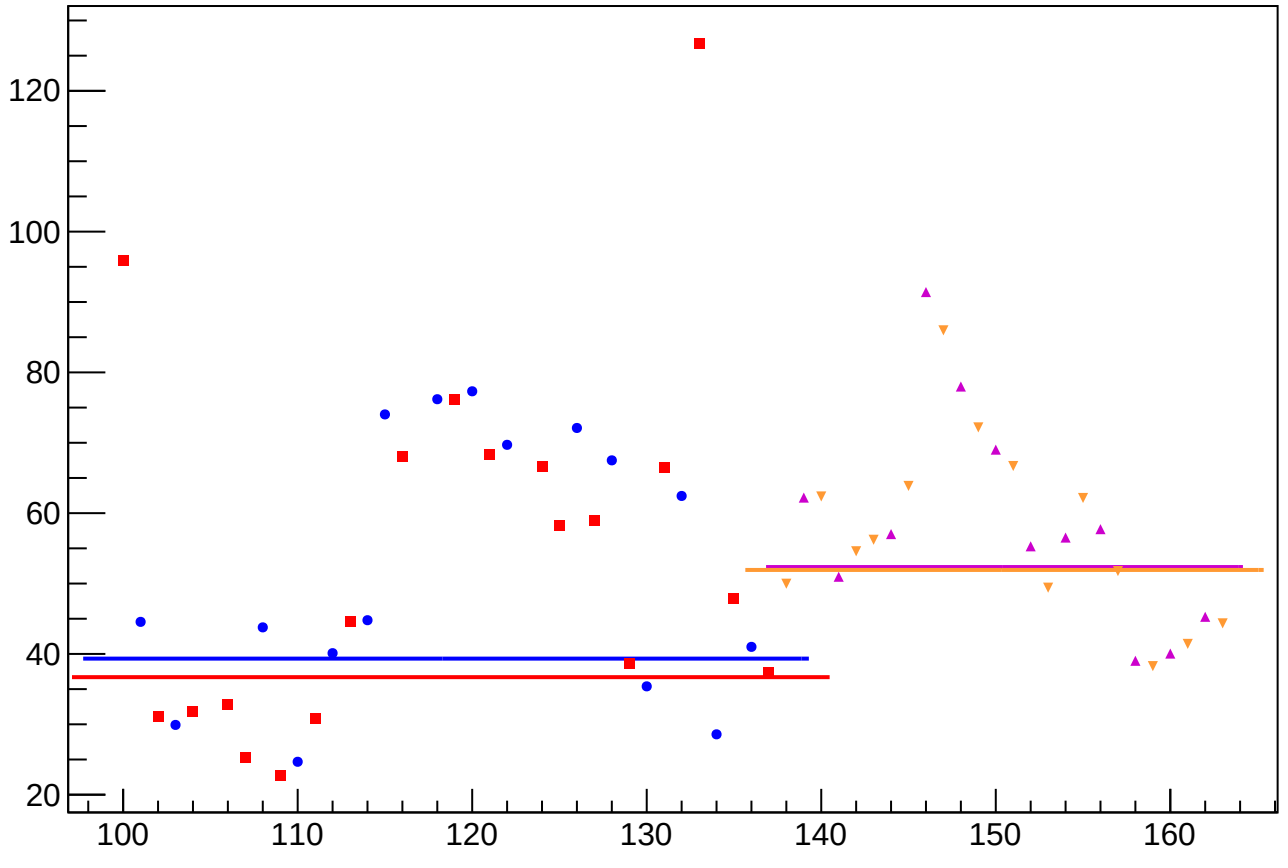
Left: 0.010+/-0.012 χ^2/NDF: 26.3/25

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.022+/-0.012 χ^2/NDF:40.2/27

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.014+/-0.008 χ^2/NDF: 78.8/60



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 51.932+/-0.011 χ^2/NDF:984493.7/13

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 52.345+/-0.012 χ^2/NDF:1063607.2/11

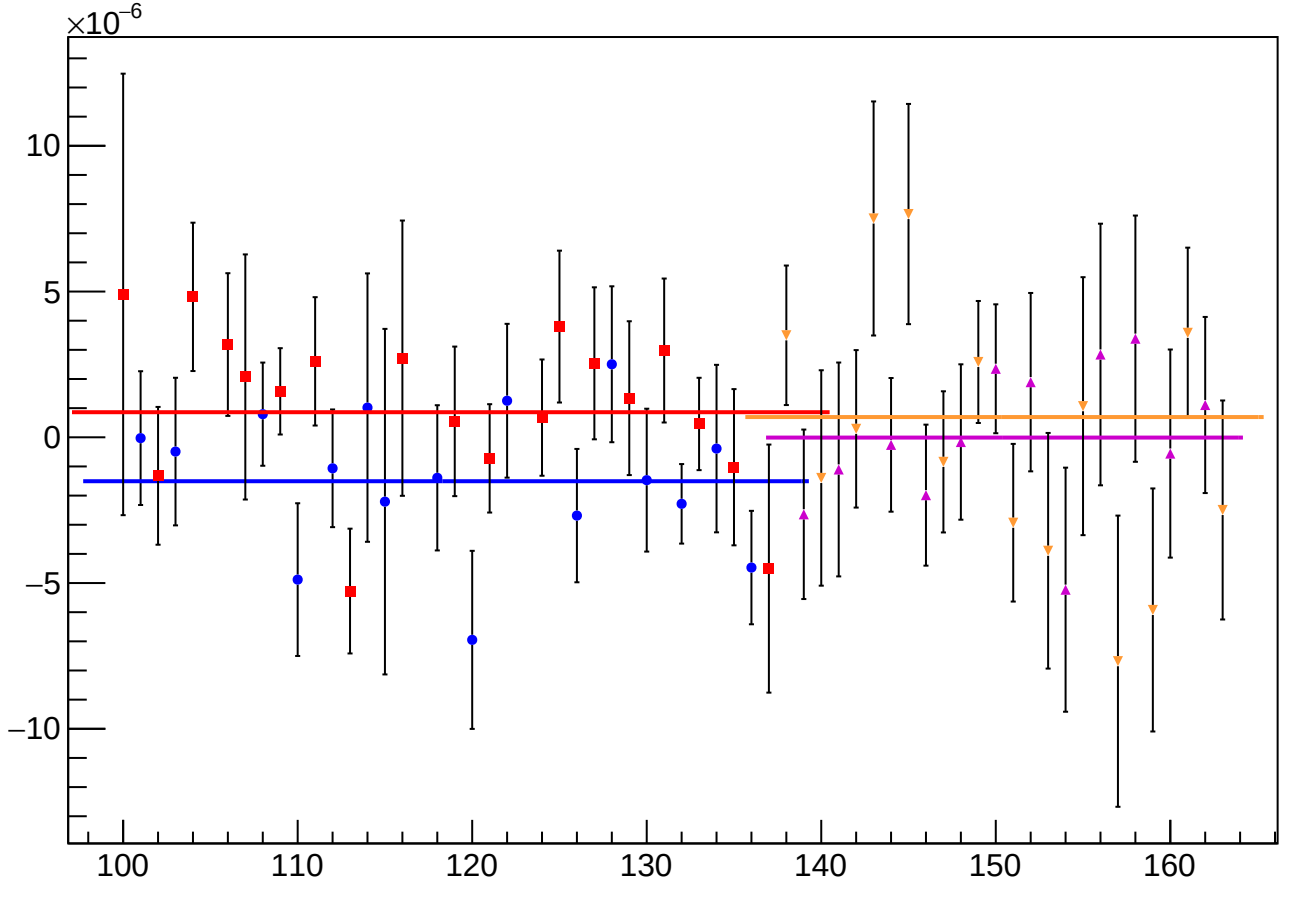
Left: 52.129+/-0.008 χ^2/NDF: 2048722.5/25

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.485+/-0.008 χ^2/NDF:3253588.2/27

Out: 43.821+/-0.008 χ^2/NDF:4031363.0/32

All: 44.608+/-0.006 χ^2/NDF: 7306515.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:5.9/11

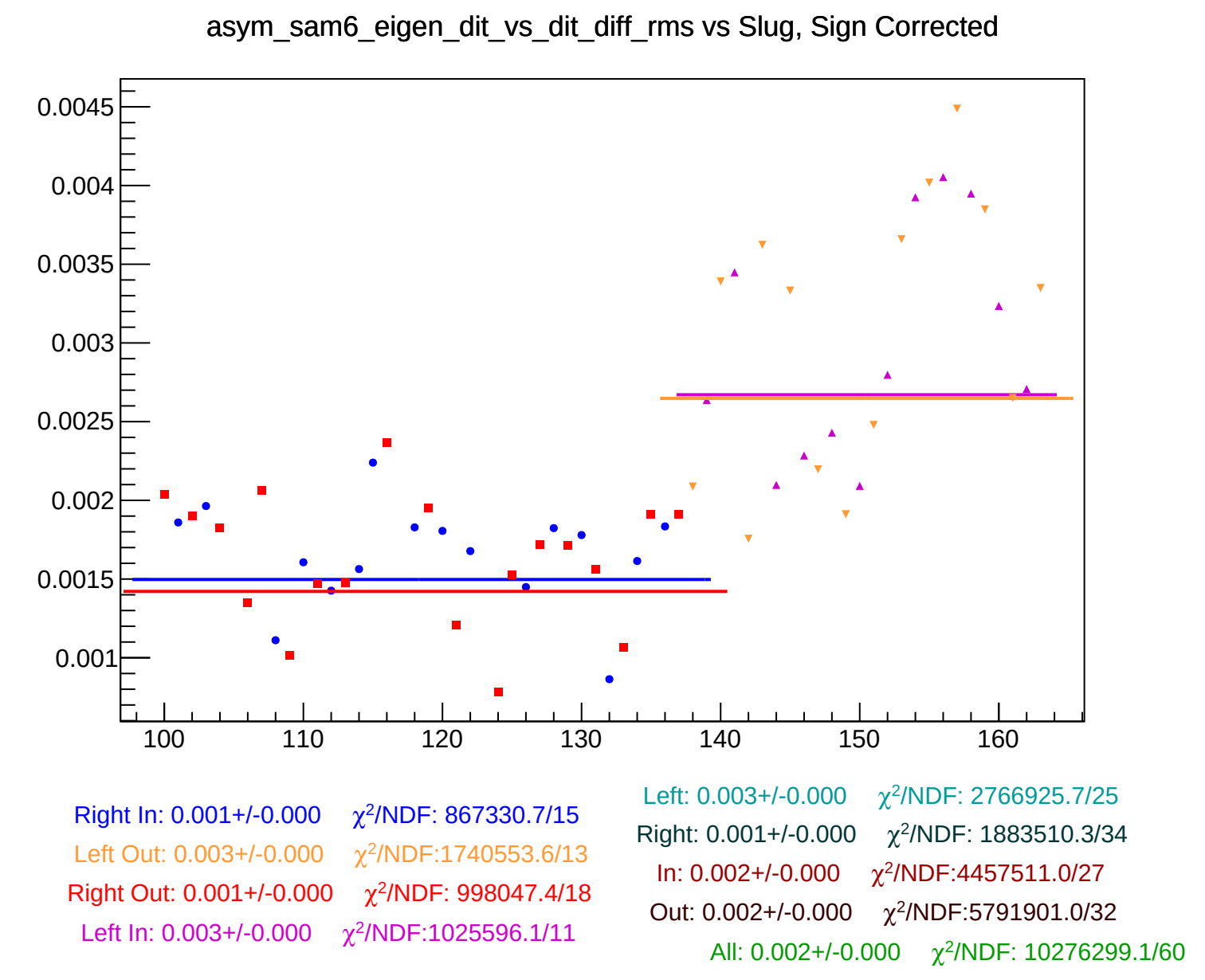
Left: 0.000+/-0.000 χ^2/NDF: 25.6/25

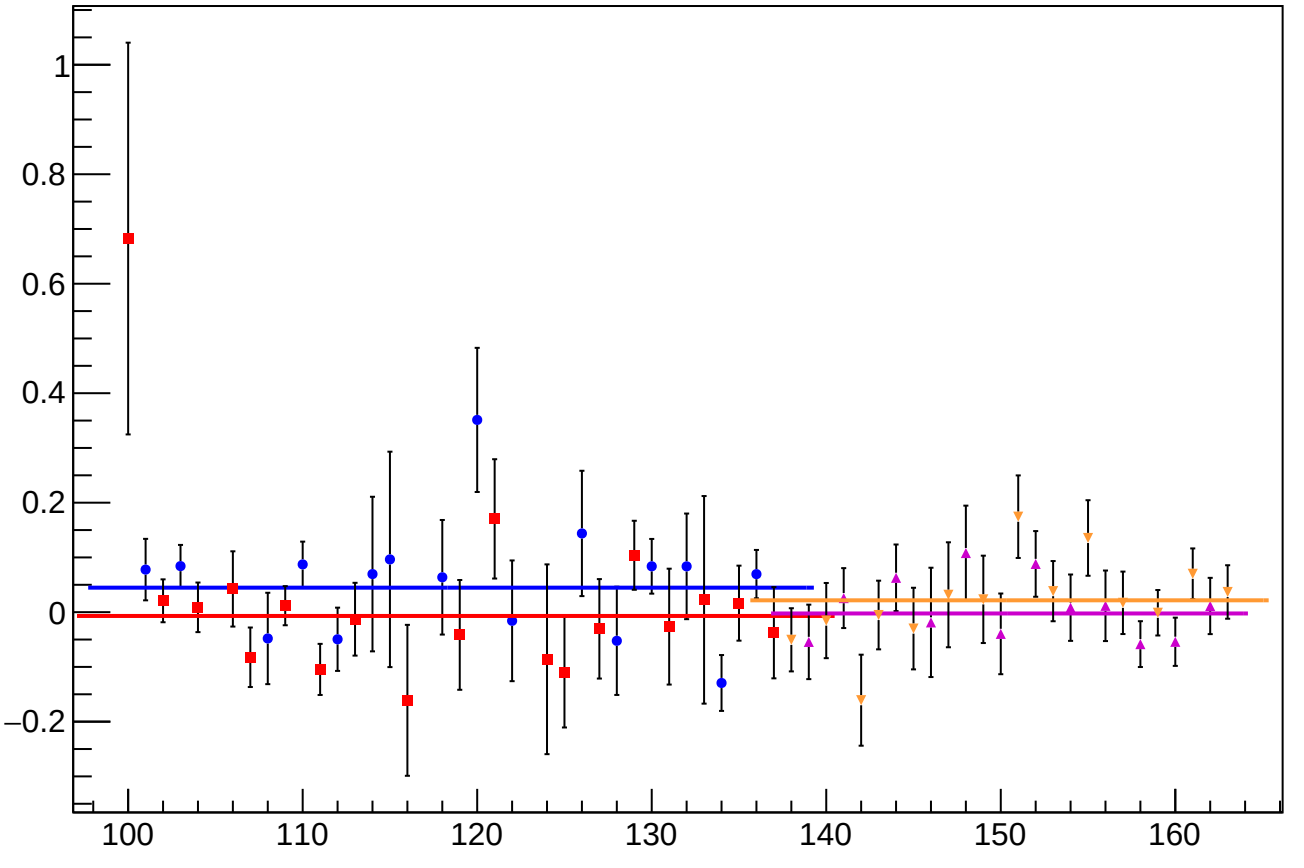
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:21.8/27

Out: 0.000+/-0.000 χ^2/NDF:38.5/32

All: -0.000+/-0.000 χ^2/NDF: 68.1/60


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1740553.6/13
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1025596.1/11
Left: 0.003+/-0.000 χ²/NDF: 2766925.7/25
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:4457511.0/27
Out: 0.002+/-0.000 χ²/NDF:5791901.0/32
All: 0.002+/-0.000 χ²/NDF: 10276299.1/60



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.002+/-0.017 χ^2/NDF:9.5/11

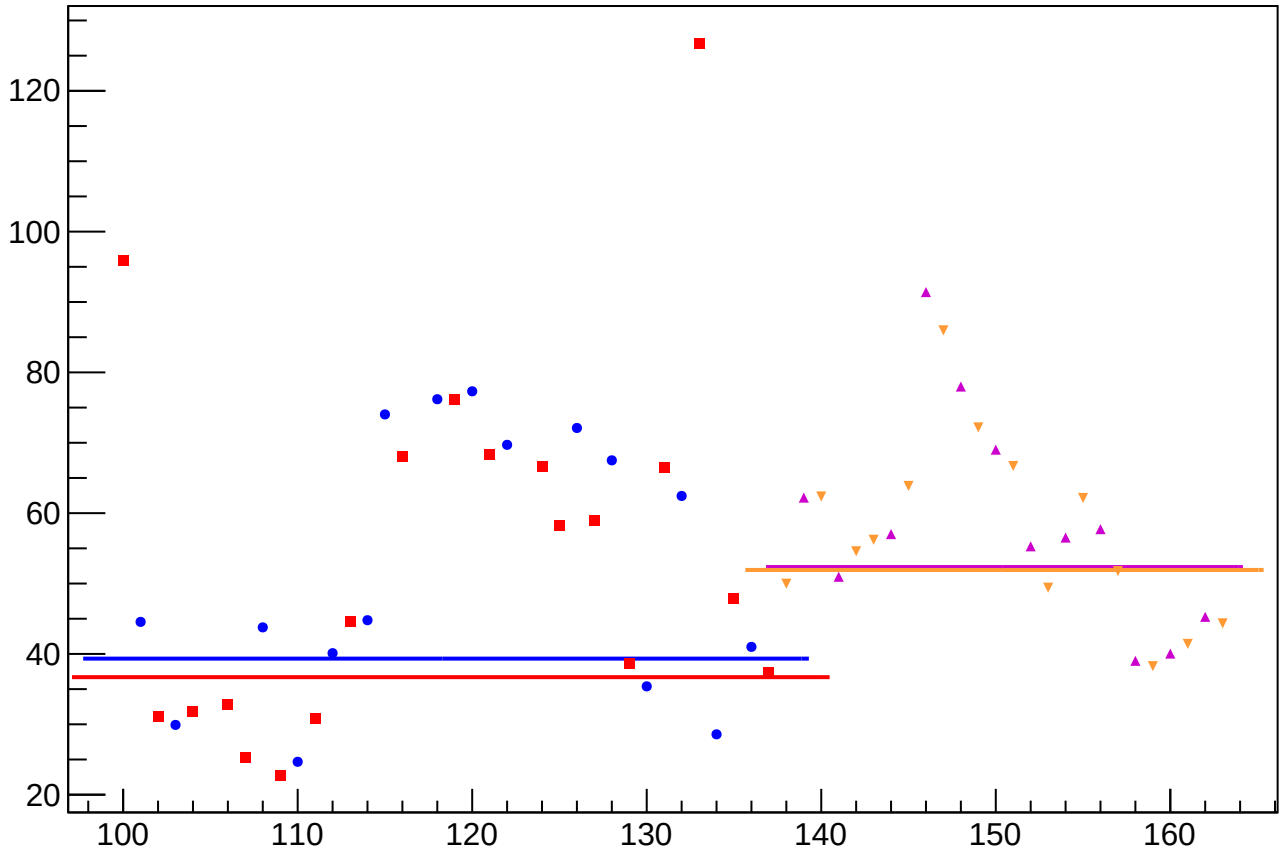
Left: 0.010+/-0.012 χ^2/NDF: 26.3/25

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.022+/-0.012 χ^2/NDF:40.2/27

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.014+/-0.008 χ^2/NDF: 78.8/60



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.343+/-0.012 χ^2/NDF:1063732.2/11

Left: 52.127+/-0.008 χ^2/NDF: 2048915.0/25

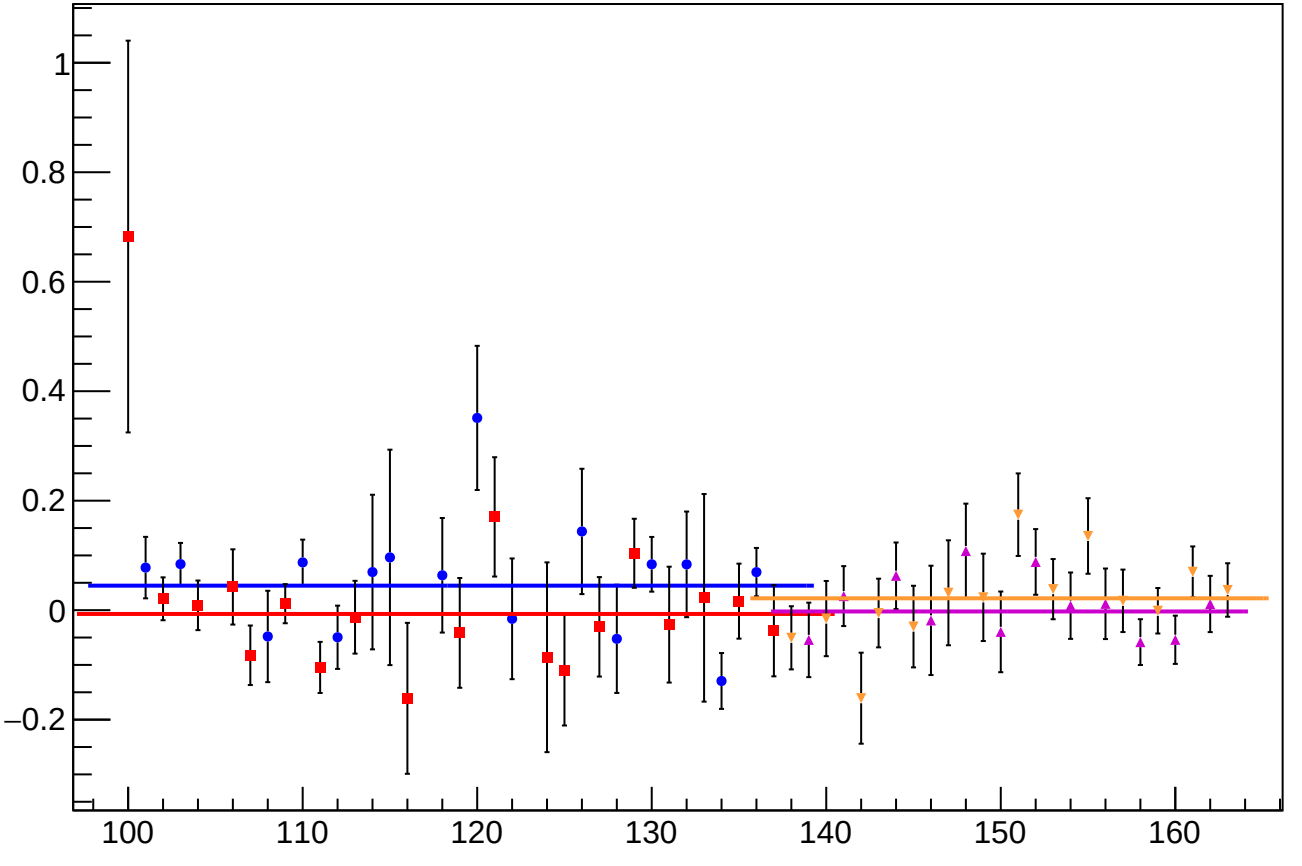
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.484+/-0.008 χ^2/NDF:3253685.3/27

Out: 43.820+/-0.008 χ^2/NDF:4031357.0/32

All: 44.608+/-0.006 χ^2/NDF: 7306599.4/60

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.022+/-0.016 χ^2/NDF:15.8/13

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.002+/-0.017 χ^2/NDF:9.5/11

Left: 0.010+/-0.012 χ^2/NDF: 26.3/25

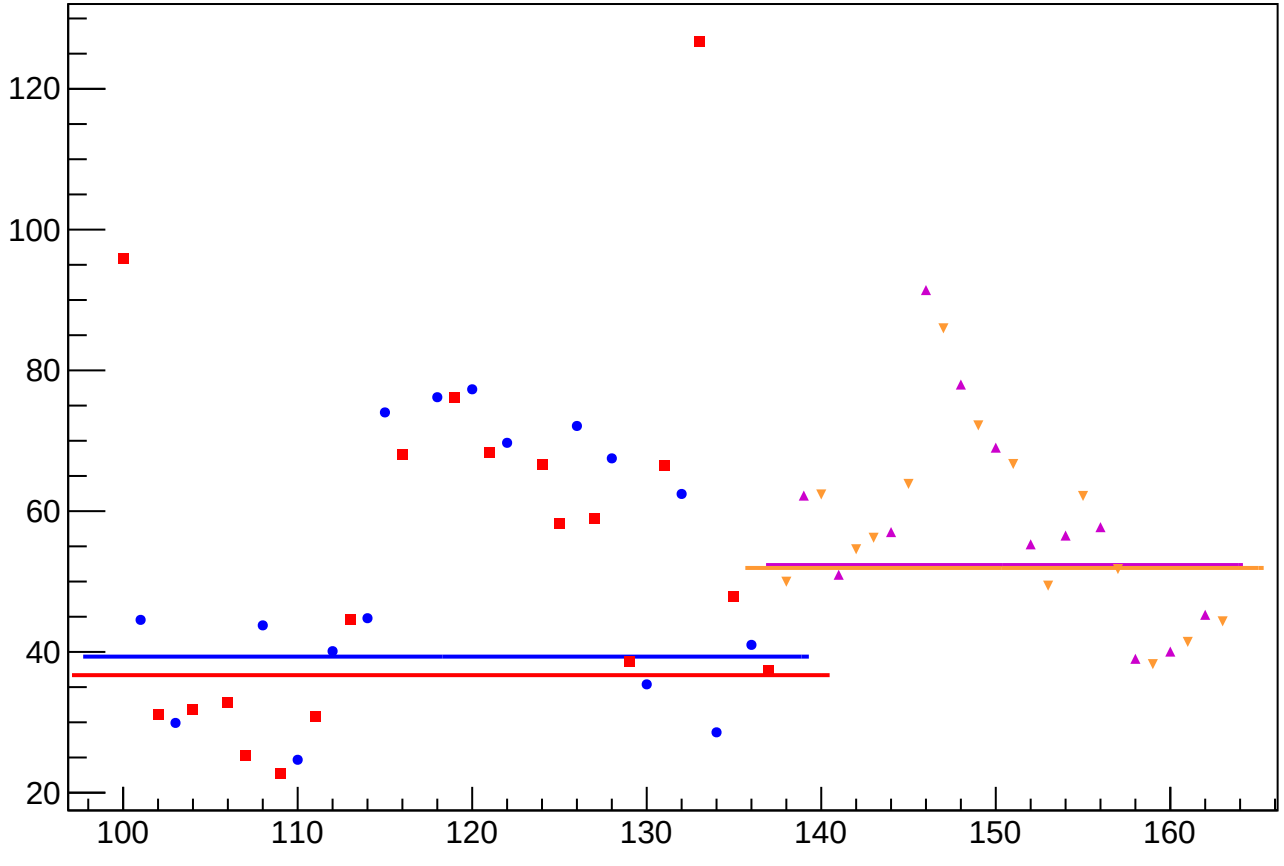
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.022+/-0.012 χ^2/NDF:40.2/27

Out: 0.006+/-0.011 χ^2/NDF:37.6/32

All: 0.014+/-0.008 χ^2/NDF: 78.8/60

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 51.931+/-0.011 χ^2/NDF:984562.0/13

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 52.343+/-0.012 χ^2/NDF:1063732.2/11

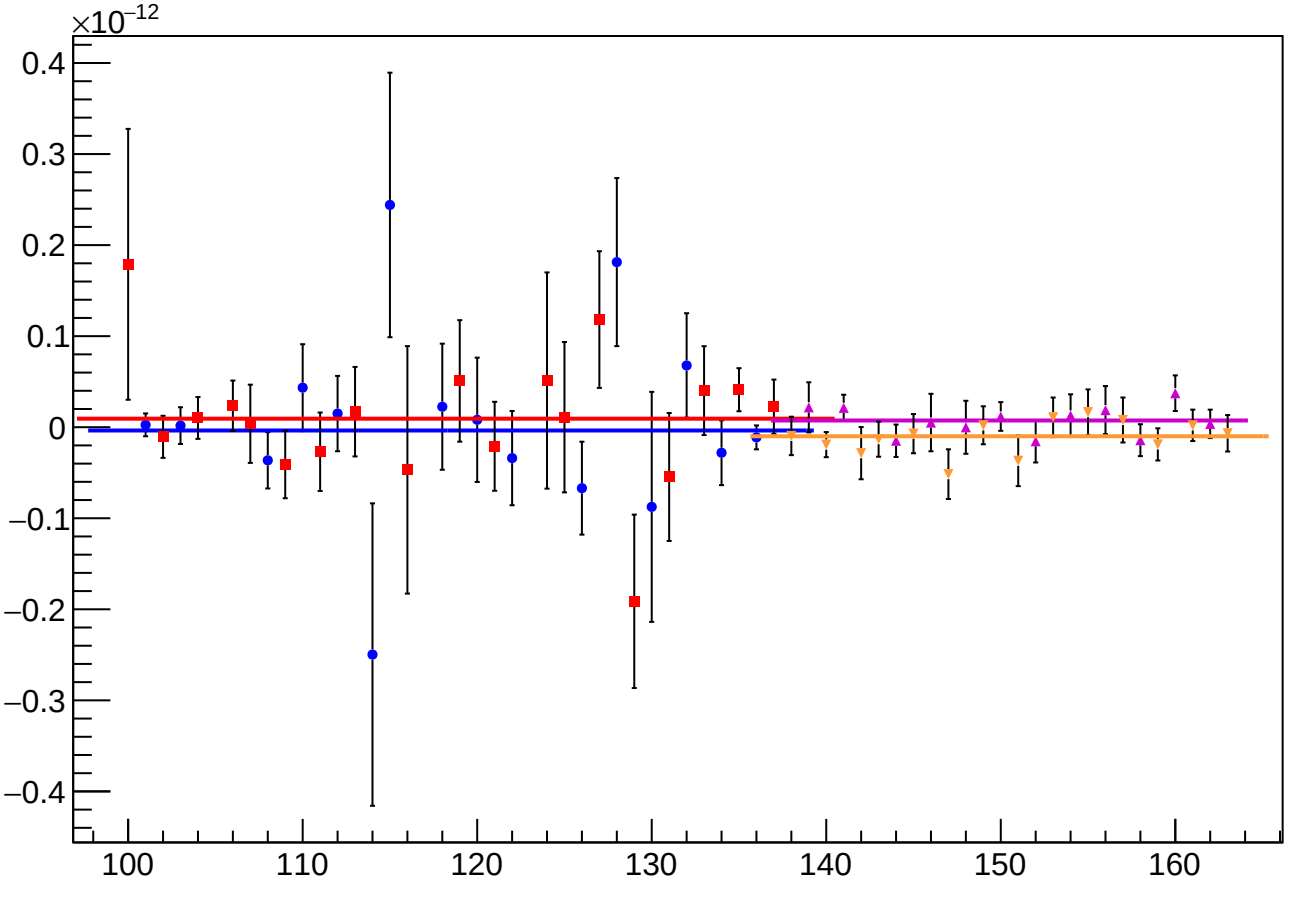
Left: 52.127+/-0.008 χ^2/NDF: 2048915.0/25

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.484+/-0.008 χ^2/NDF:3253685.3/27

Out: 43.820+/-0.008 χ^2/NDF:4031357.0/32

All: 44.608+/-0.006 χ^2/NDF: 7306599.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/11

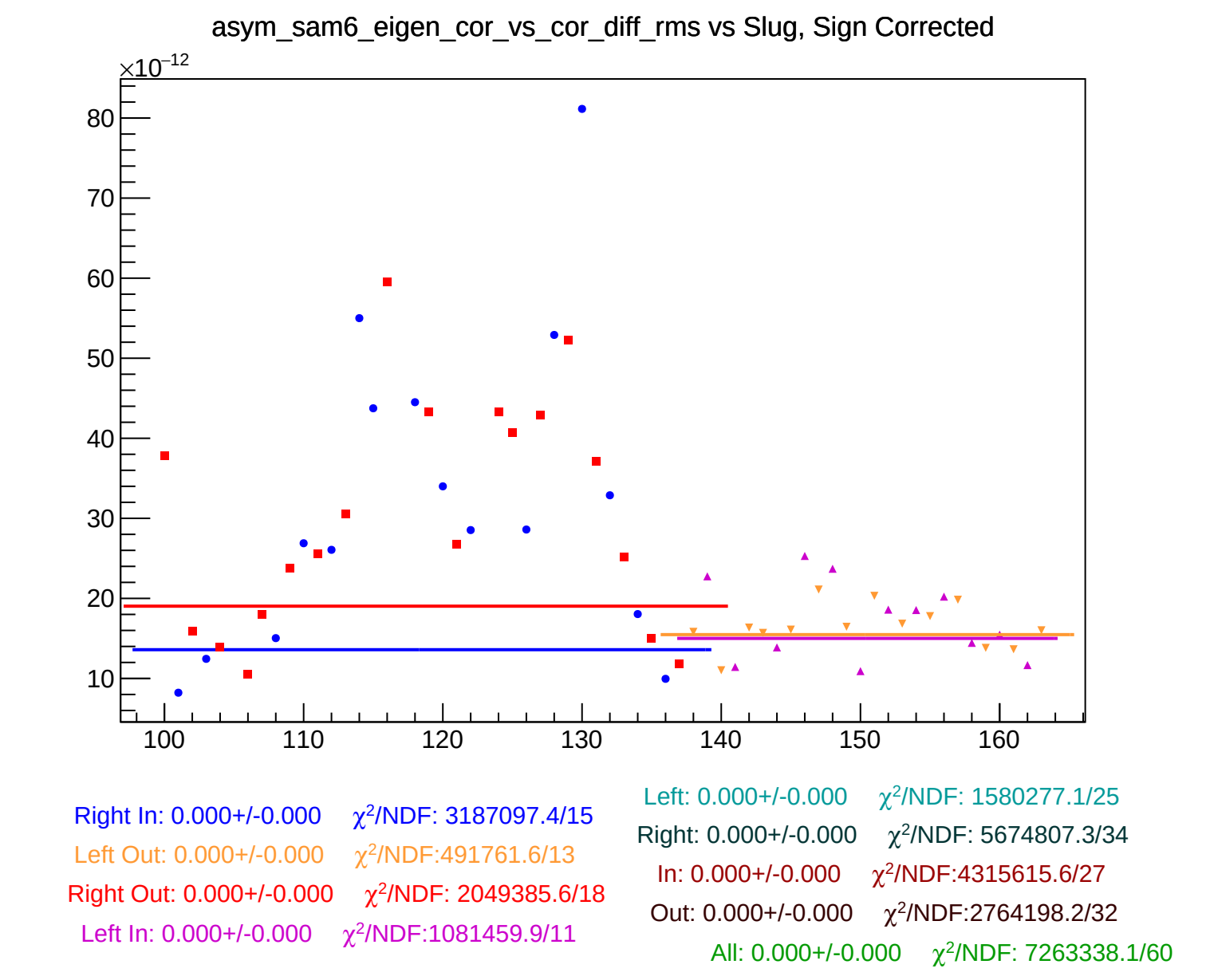
Left: -0.000+/-0.000 χ^2/NDF: 20.6/25

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

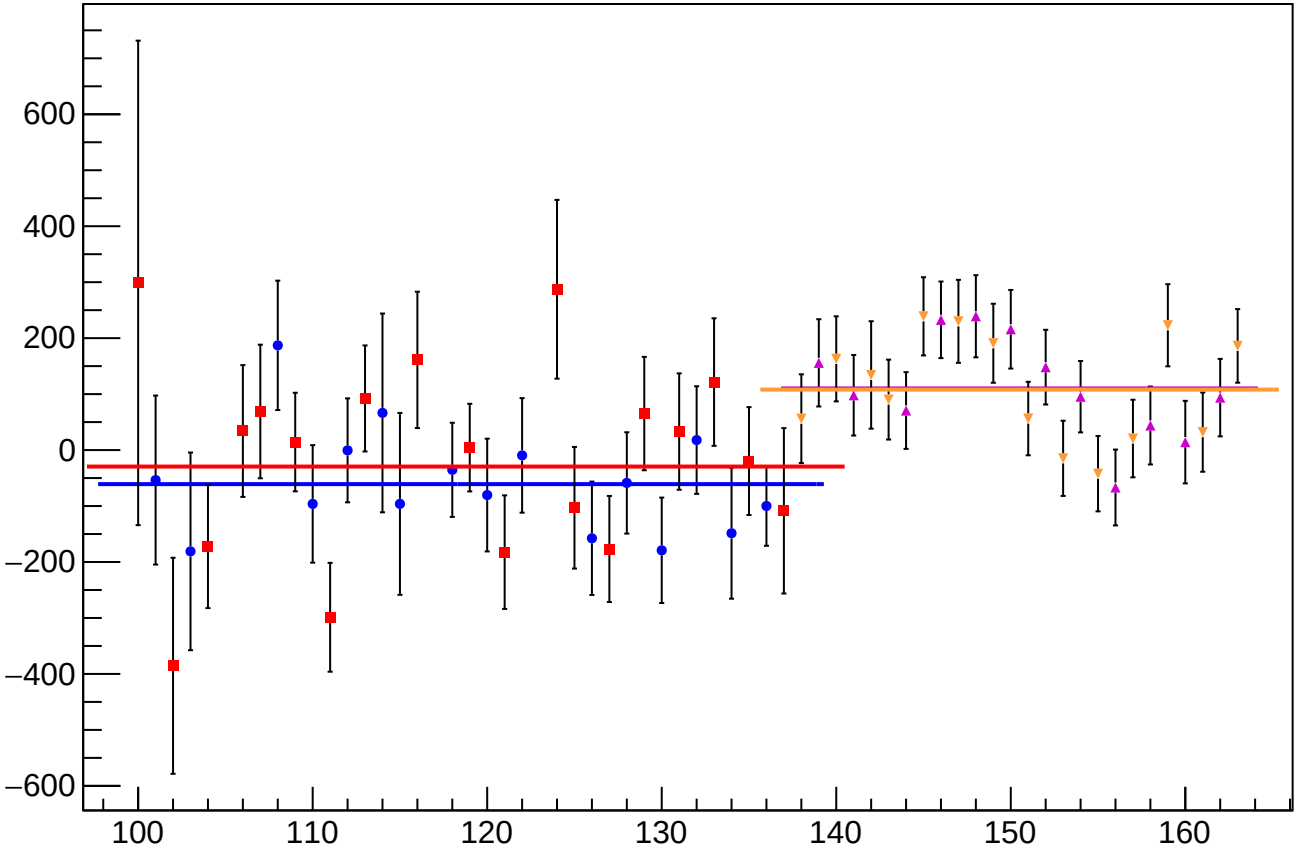
In: 0.000+/-0.000 χ^2/NDF:26.0/27

Out: -0.000+/-0.000 χ^2/NDF:26.9/32

All: -0.000+/-0.000 χ^2/NDF: 54.4/60


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:491761.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1081459.9/11
Left: 0.000+/-0.000 χ²/NDF: 1580277.1/25
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4315615.6/27
Out: 0.000+/-0.000 χ²/NDF:2764198.2/32
All: 0.000+/-0.000 χ²/NDF: 7263338.1/60

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.032+/-19.162 χ^2/NDF:24.2/13

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 110.123+/-20.164 χ^2/NDF:19.1/11

Left: 109.024+/-13.890 χ^2/NDF: 43.4/25

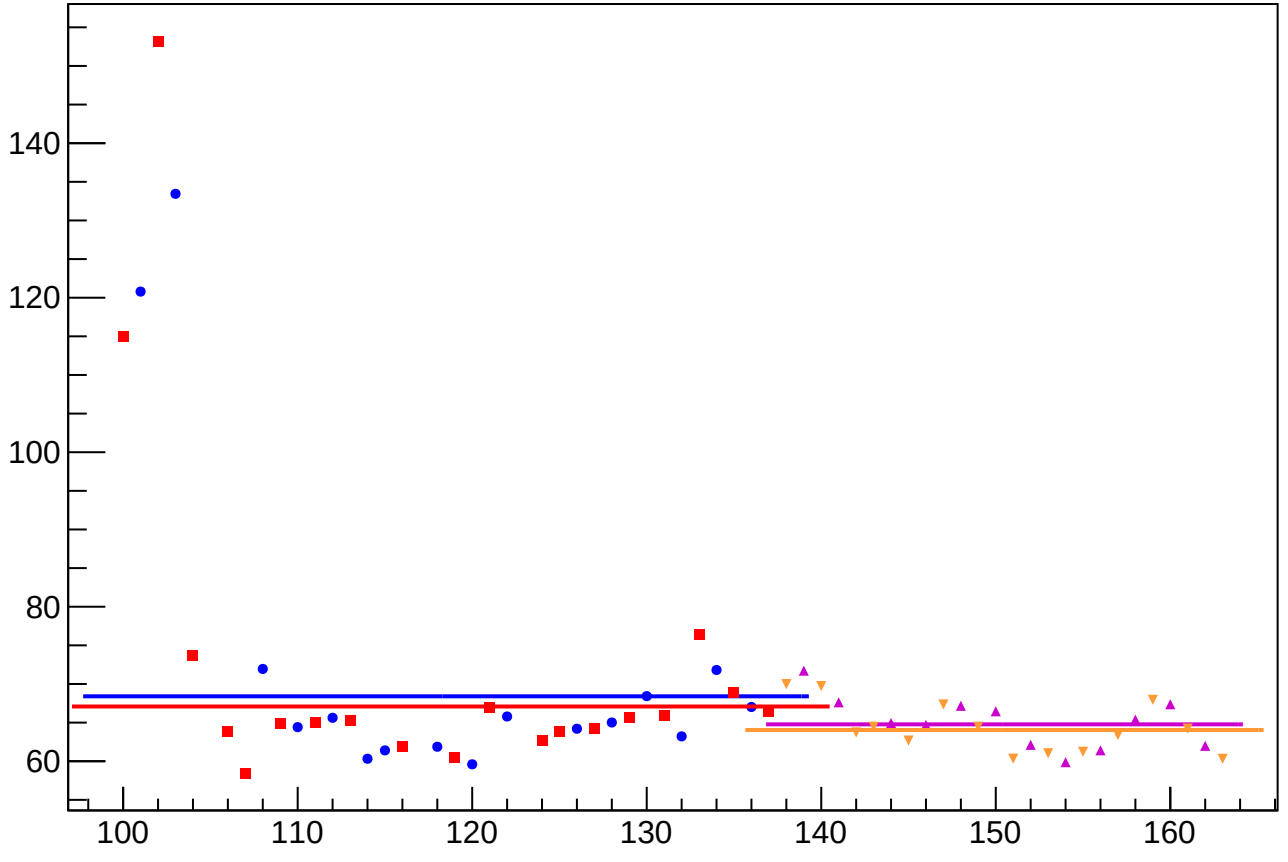
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 46.075+/-15.946 χ^2/NDF:56.6/27

Out: 57.422+/-15.232 χ^2/NDF:74.4/32

All: 52.008+/-11.015 χ^2/NDF: 131.3/60

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 64.775+/-0.014 χ^2/NDF:48081.5/11

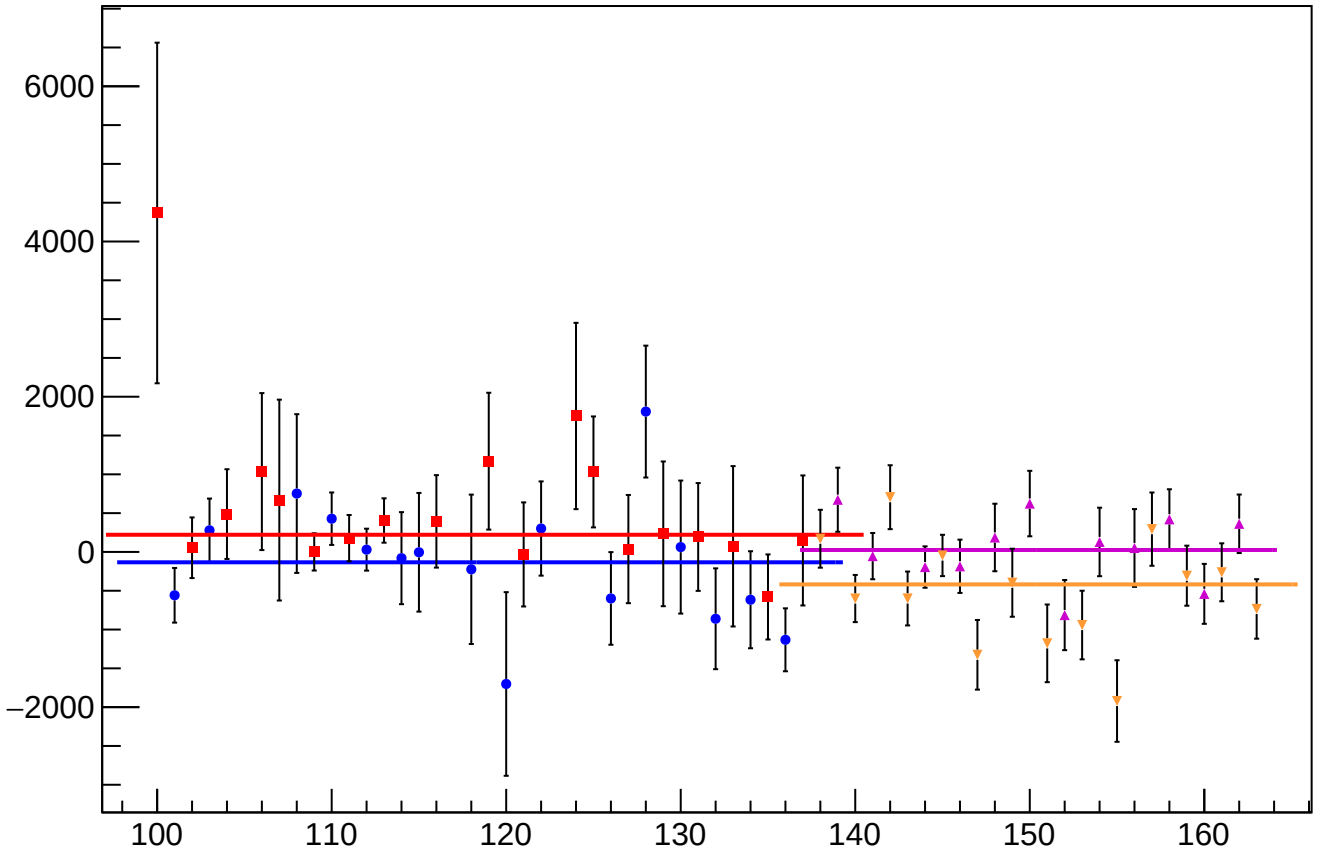
Left: 64.390+/-0.010 χ^2/NDF: 103017.4/25

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 66.135+/-0.011 χ^2/NDF:641890.5/27

Out: 65.163+/-0.011 χ^2/NDF:553932.5/32

All: 65.626+/-0.008 χ^2/NDF: 1199706.6/60



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 25.198+/-108.464 χ^2/NDF:13.2/11

Left: -208.108+/-74.668 χ^2/NDF: 53.7/25

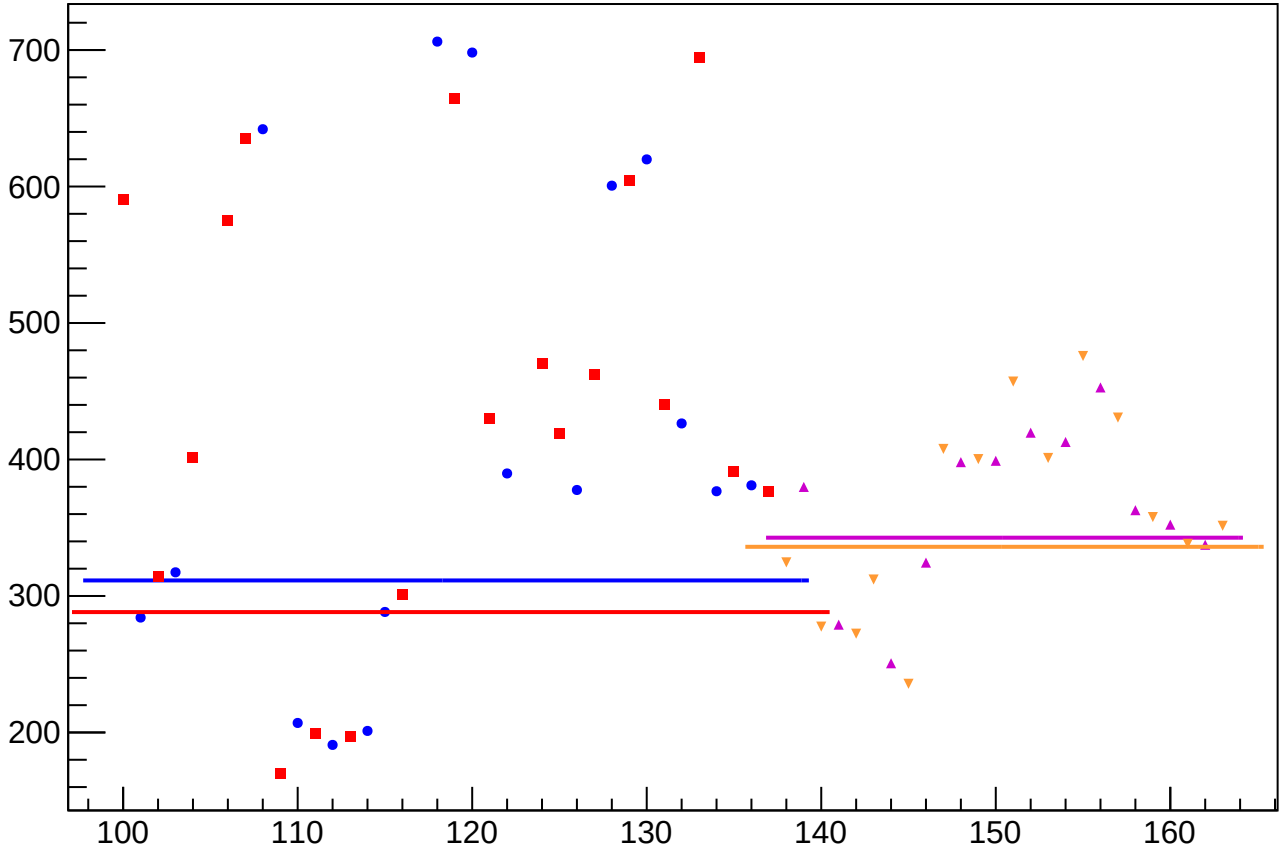
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -42.445+/-82.175 χ^2/NDF:36.6/27

Out: -141.278+/-77.511 χ^2/NDF:61.0/32

All: -94.746+/-56.386 χ^2/NDF: 98.3/60

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 336.031+/-0.073 χ^2/NDF:903512.0/13

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 342.709+/-0.077 χ^2/NDF:631357.8/11

Left: 339.196+/-0.053 χ^2/NDF: 1538858.4/25

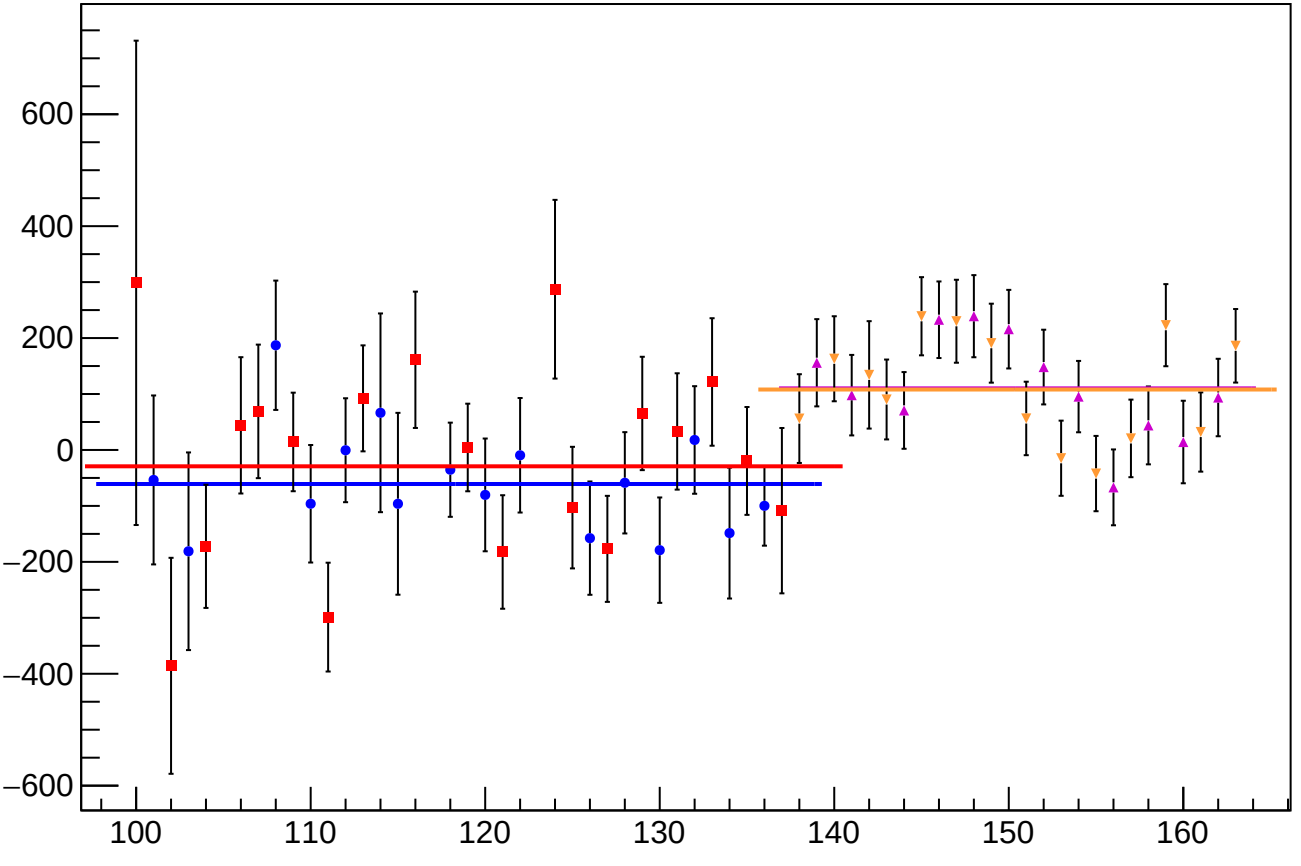
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 329.366+/-0.058 χ^2/NDF:2826211.3/27

Out: 315.319+/-0.055 χ^2/NDF:3805843.1/32

All: 321.932+/-0.040 χ^2/NDF: 6662980.8/60

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 110.123+/-20.164 χ^2/NDF:19.1/11

Left: 109.025+/-13.890 χ^2/NDF: 43.4/25

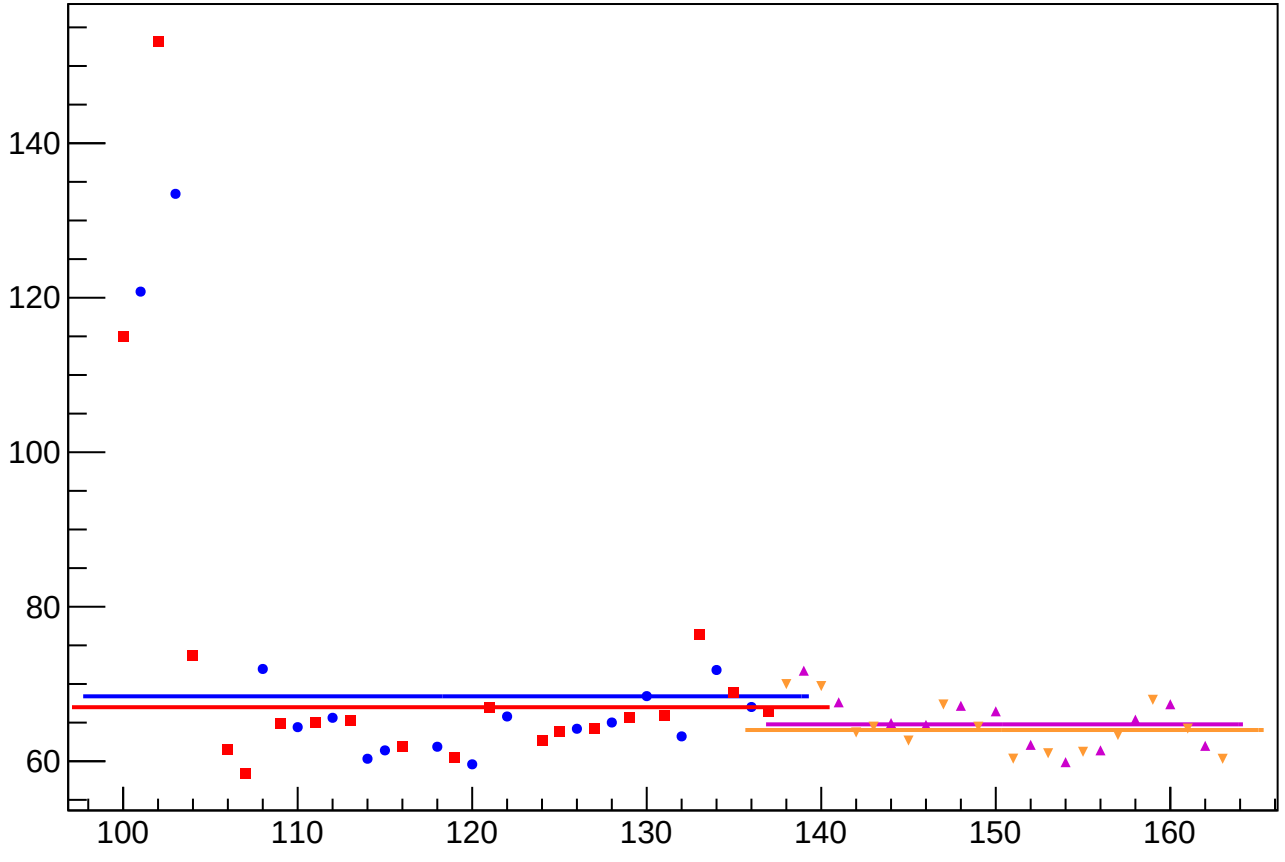
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 46.075+/-15.946 χ^2/NDF:56.6/27

Out: 57.603+/-15.240 χ^2/NDF:74.4/32

All: 52.100+/-11.018 χ^2/NDF: 131.3/60

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.775+/-0.014 χ^2/NDF:48081.5/11

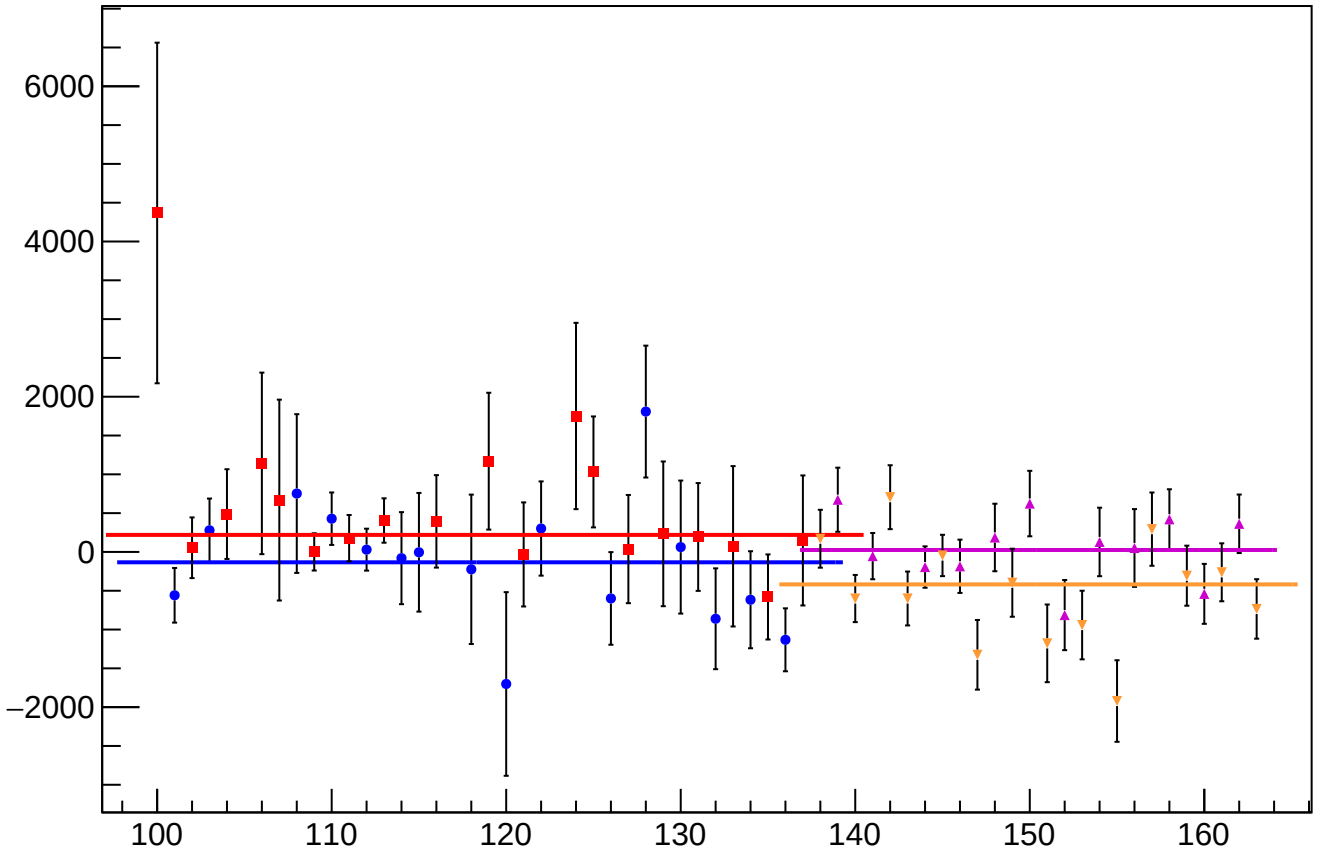
Left: 64.390+/-0.010 χ^2/NDF: 103017.4/25

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.135+/-0.011 χ^2/NDF:641890.8/27

Out: 65.127+/-0.011 χ^2/NDF:555476.7/32

All: 65.608+/-0.008 χ^2/NDF: 1201538.7/60



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 25.192+/-108.464 χ^2/NDF:13.2/11

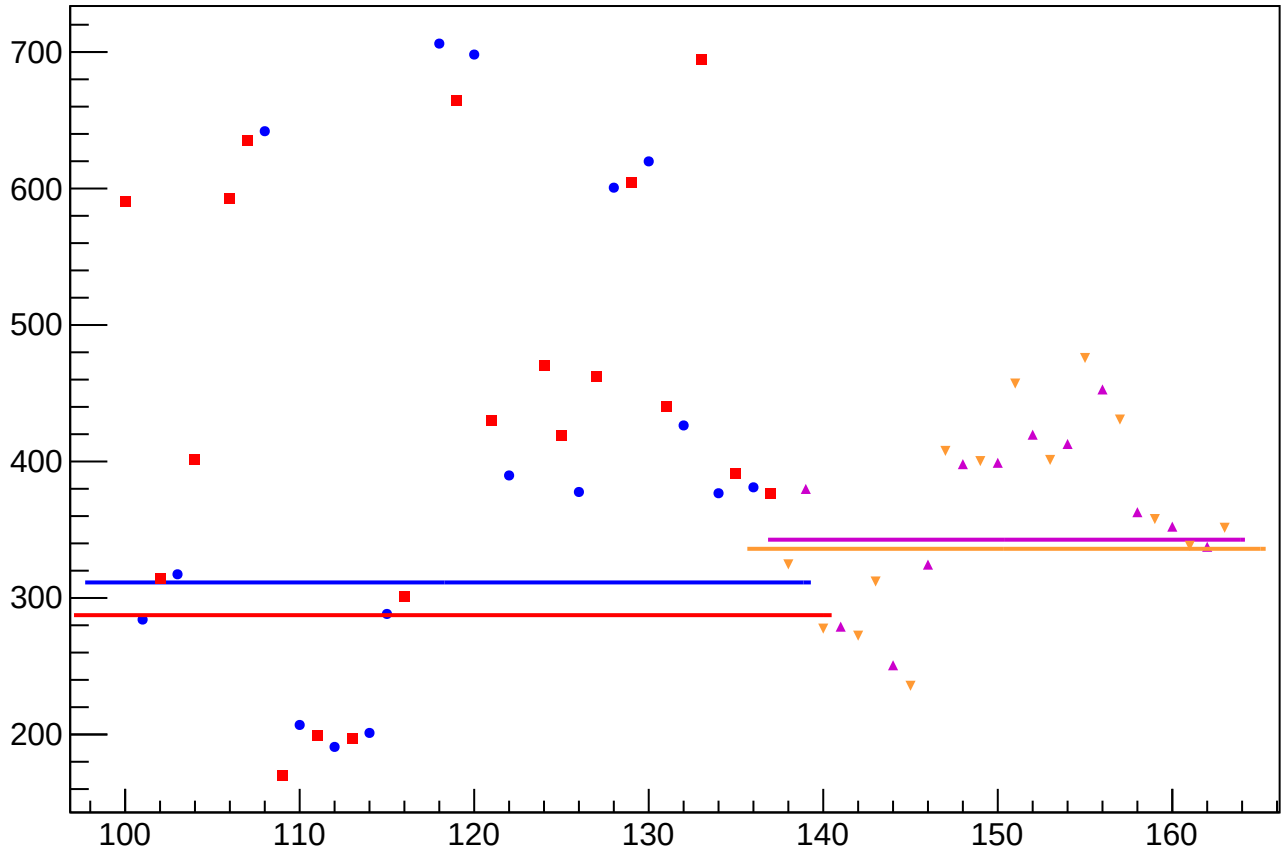
Left: -208.111+/-74.668 χ^2/NDF: 53.7/25

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -42.447+/-82.176 χ^2/NDF:36.6/27

Out: -142.568+/-77.570 χ^2/NDF:60.8/32

All: -95.391+/-56.408 χ^2/NDF: 98.2/60



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.710+/-0.077 χ^2/NDF:631354.8/11

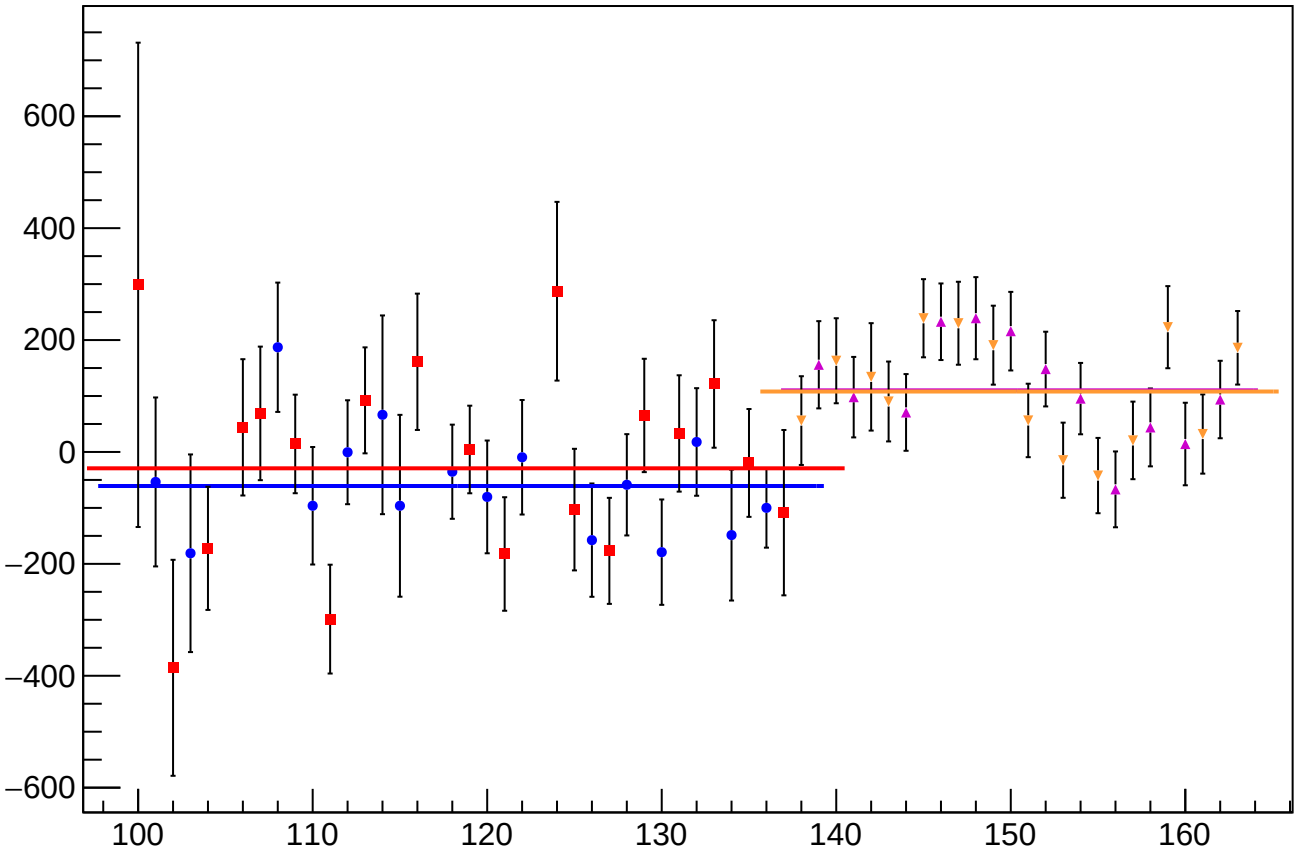
Left: 339.196+/-0.053 χ^2/NDF: 1538861.0/25

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 329.367+/-0.058 χ^2/NDF:2826201.4/27

Out: 315.017+/-0.055 χ^2/NDF:3786580.0/32

All: 321.779+/-0.040 χ^2/NDF: 6645029.4/60



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 108.033+/-19.162 χ^2/NDF:24.2/13

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 110.123+/-20.164 χ^2/NDF:19.1/11

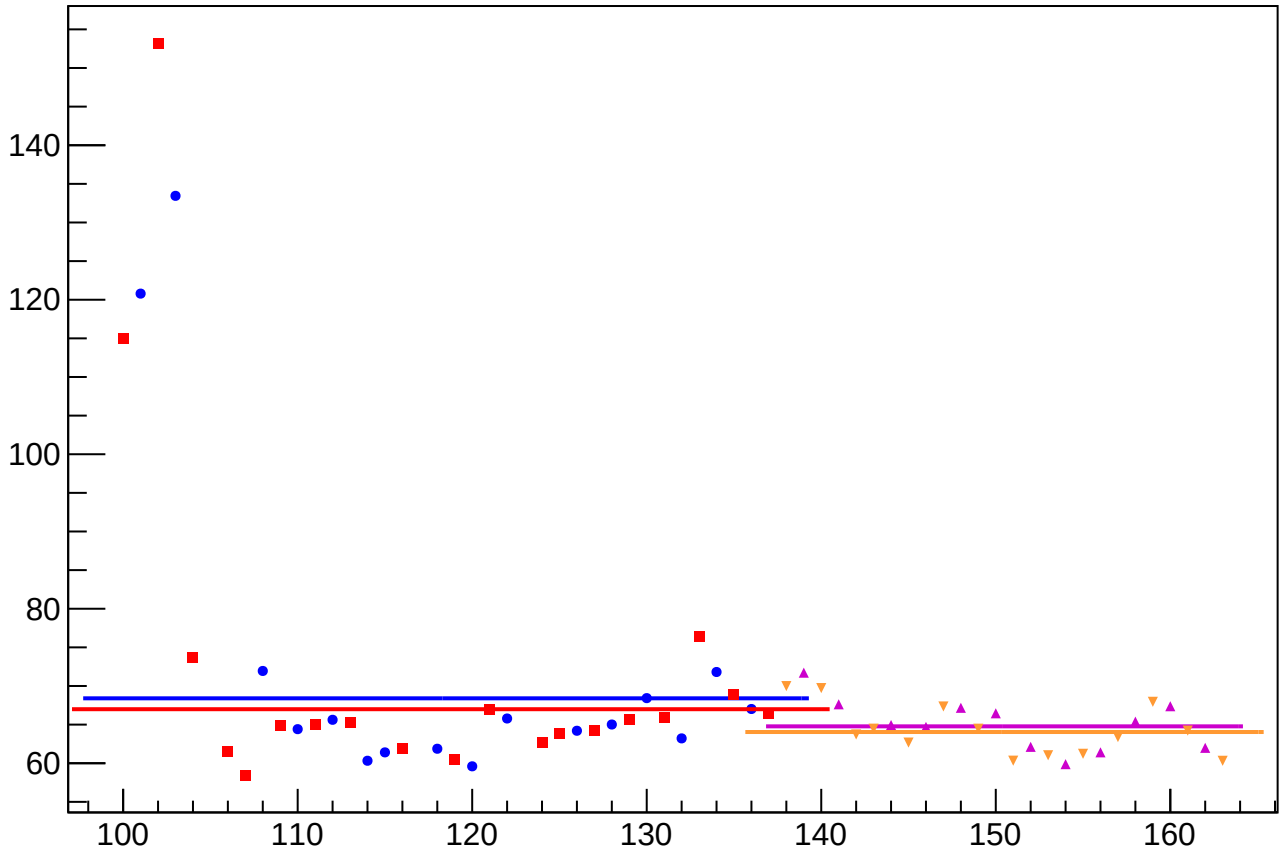
Left: 109.025+/-13.890 χ^2/NDF: 43.4/25

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 46.075+/-15.946 χ^2/NDF:56.6/27

Out: 57.603+/-15.240 χ^2/NDF:74.4/32

All: 52.100+/-11.018 χ^2/NDF: 131.3/60



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.042+/-0.014 χ^2/NDF:53547.2/13

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 64.775+/-0.014 χ^2/NDF:48081.5/11

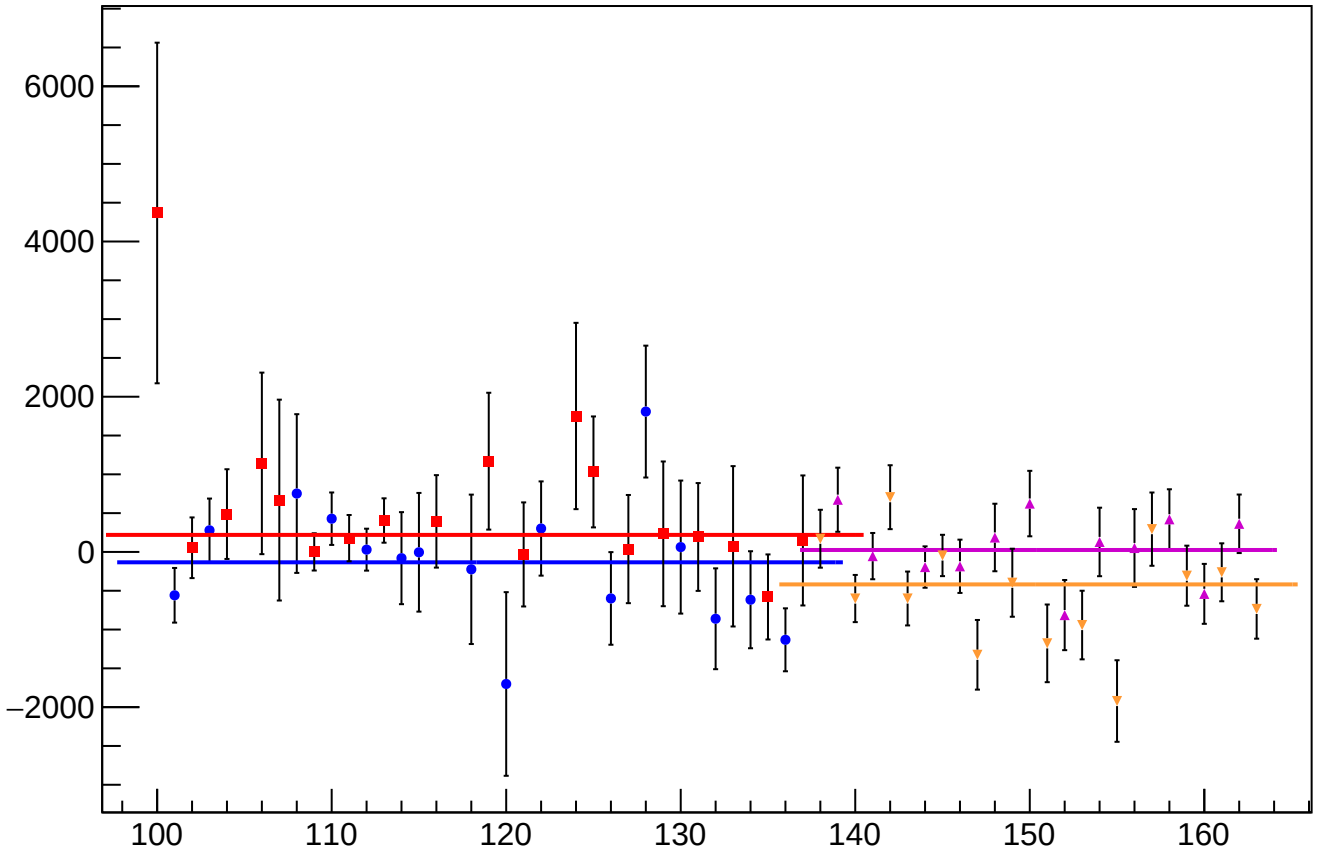
Left: 64.390+/-0.010 χ^2/NDF: 103017.4/25

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 66.135+/-0.011 χ^2/NDF:641890.8/27

Out: 65.127+/-0.011 χ^2/NDF:555476.7/32

All: 65.608+/-0.008 χ^2/NDF: 1201538.7/60



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -418.275+/-102.945 χ^2/NDF:31.7/13

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 25.192+/-108.464 χ^2/NDF:13.2/11

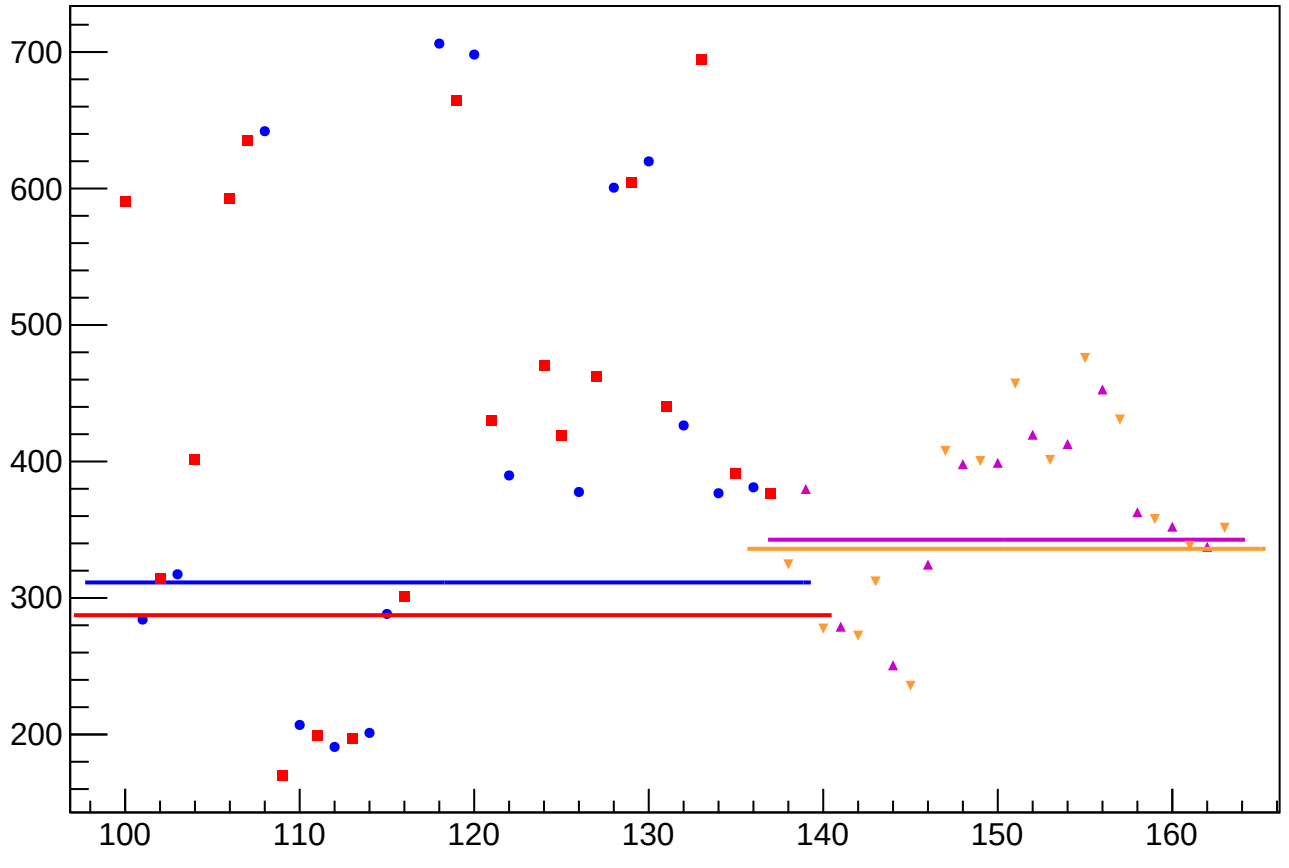
Left: -208.111+/-74.668 χ^2/NDF: 53.7/25

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -42.447+/-82.176 χ^2/NDF:36.6/27

Out: -142.568+/-77.570 χ^2/NDF:60.8/32

All: -95.391+/-56.408 χ^2/NDF: 98.2/60



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 336.031+/-0.073 χ^2/NDF:903517.0/13

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 342.710+/-0.077 χ^2/NDF:631354.8/11

Left: 339.196+/-0.053 χ^2/NDF: 1538861.0/25

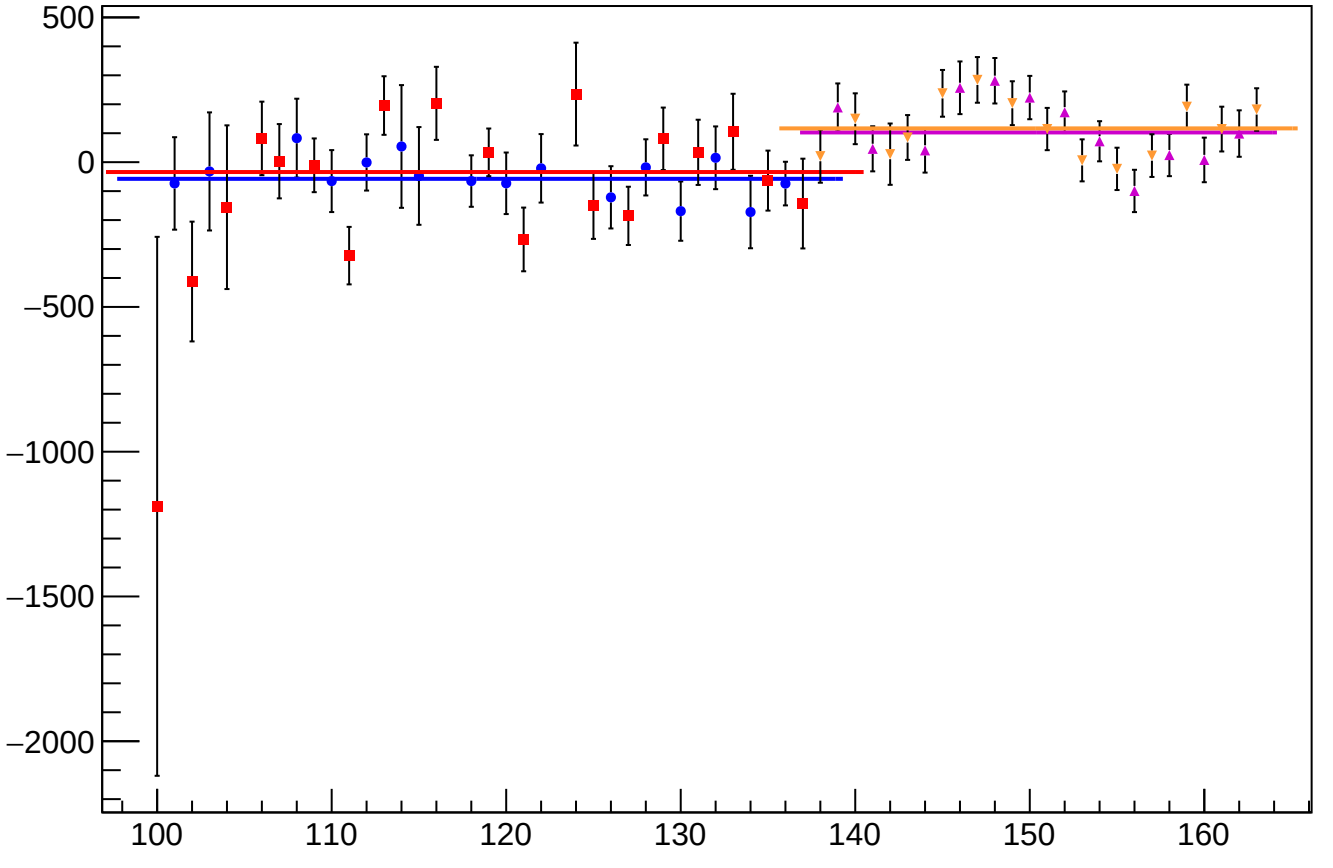
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 329.367+/-0.058 χ^2/NDF:2826201.4/27

Out: 315.017+/-0.055 χ^2/NDF:3786580.0/32

All: 321.779+/-0.040 χ^2/NDF: 6645029.4/60

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.678+/-22.126 χ^2/NDF:24.4/11

Left: 110.058+/-15.232 χ^2/NDF: 44.1/25

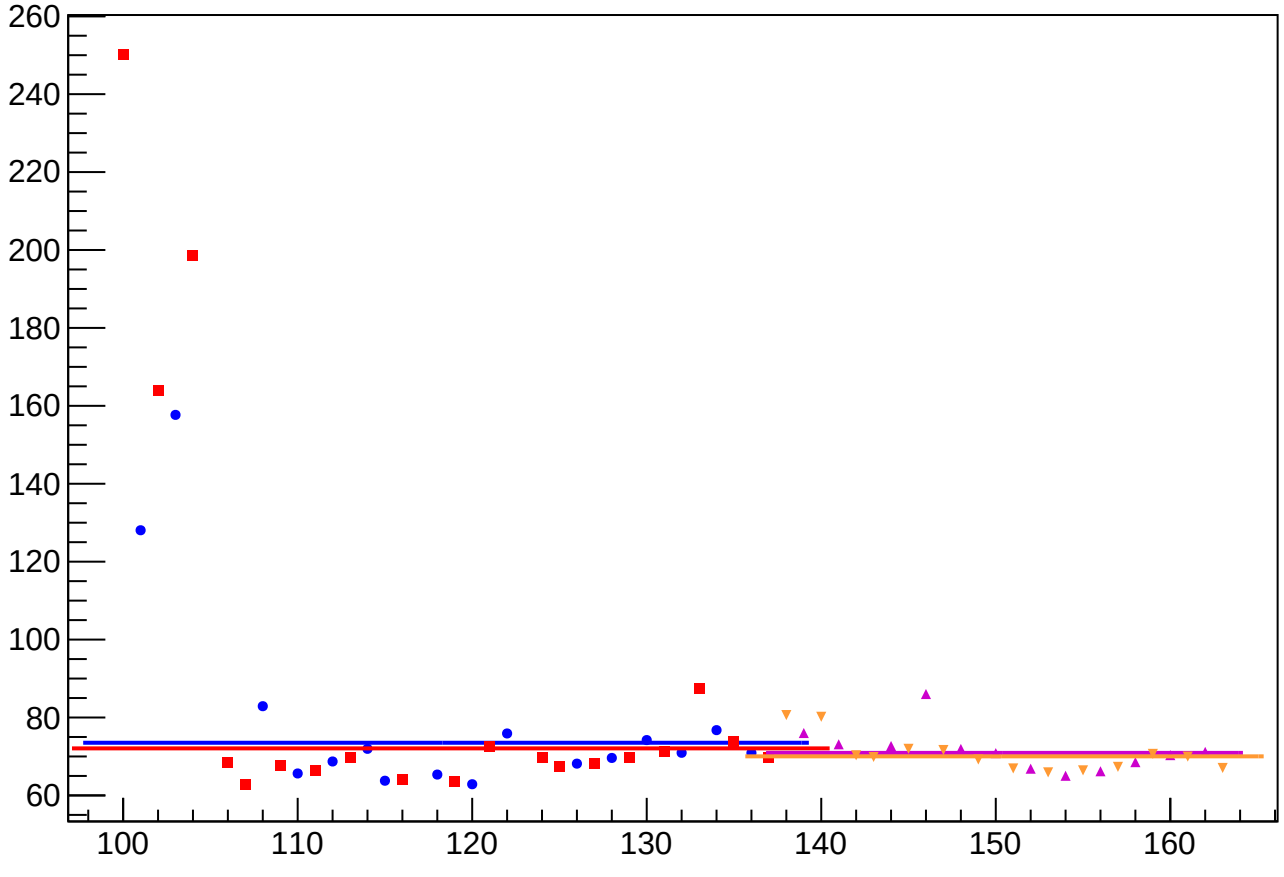
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 41.326+/-17.381 χ^2/NDF:49.3/27

Out: 60.917+/-16.668 χ^2/NDF:75.8/32

All: 51.531+/-12.030 χ^2/NDF: 125.7/60

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.031+/-0.015 χ^2/NDF:76694.8/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.917+/-0.016 χ^2/NDF:97062.7/11

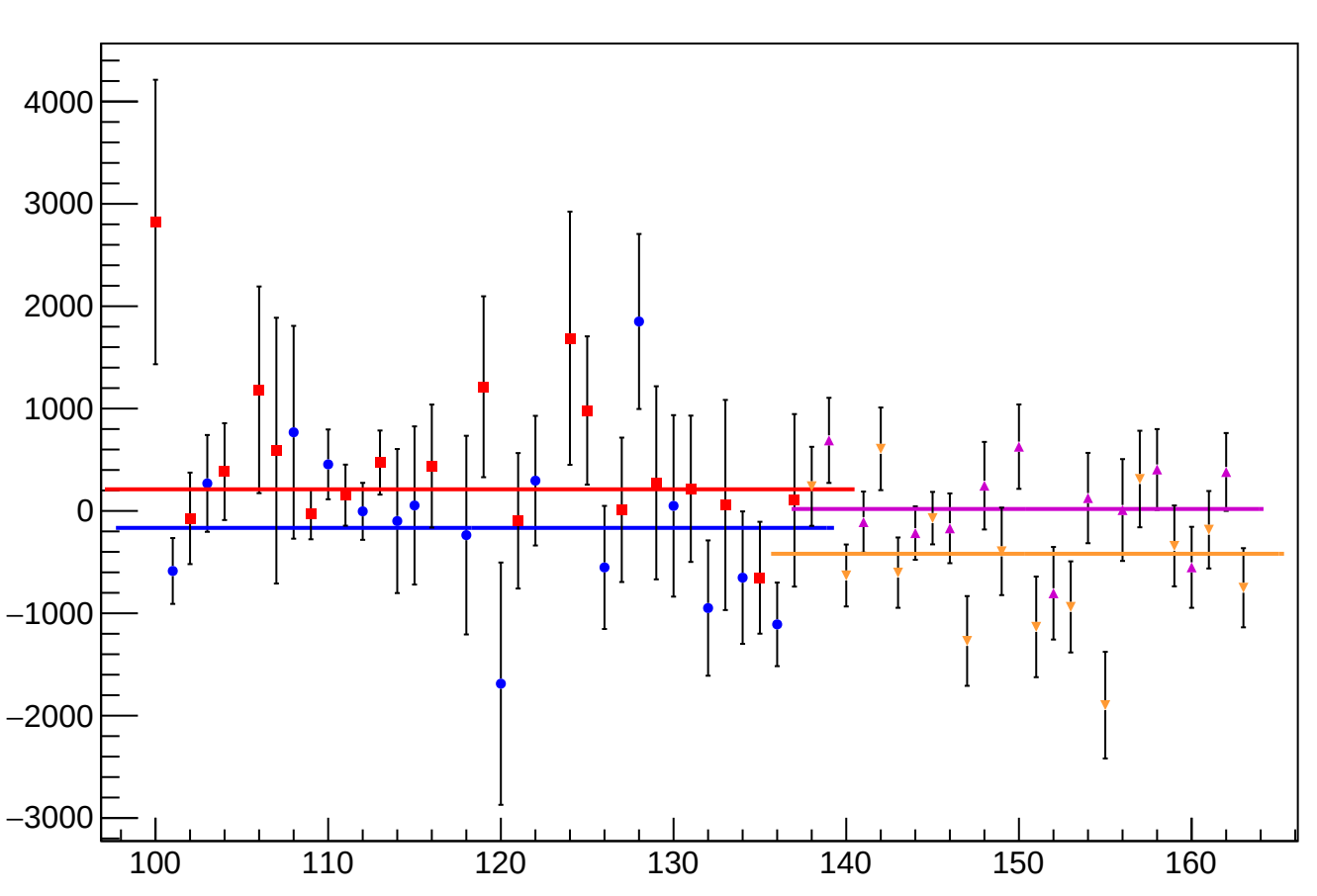
Left: 70.451+/-0.011 χ^2/NDF: 175447.6/25

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.914+/-0.012 χ^2/NDF:764499.0/27

Out: 70.787+/-0.012 χ^2/NDF:1042197.3/32

All: 71.327+/-0.009 χ^2/NDF: 1811075.2/60



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -418.513+/-102.286 χ^2/NDF:30.9/13

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 19.101+/-108.153 χ^2/NDF:13.7/11

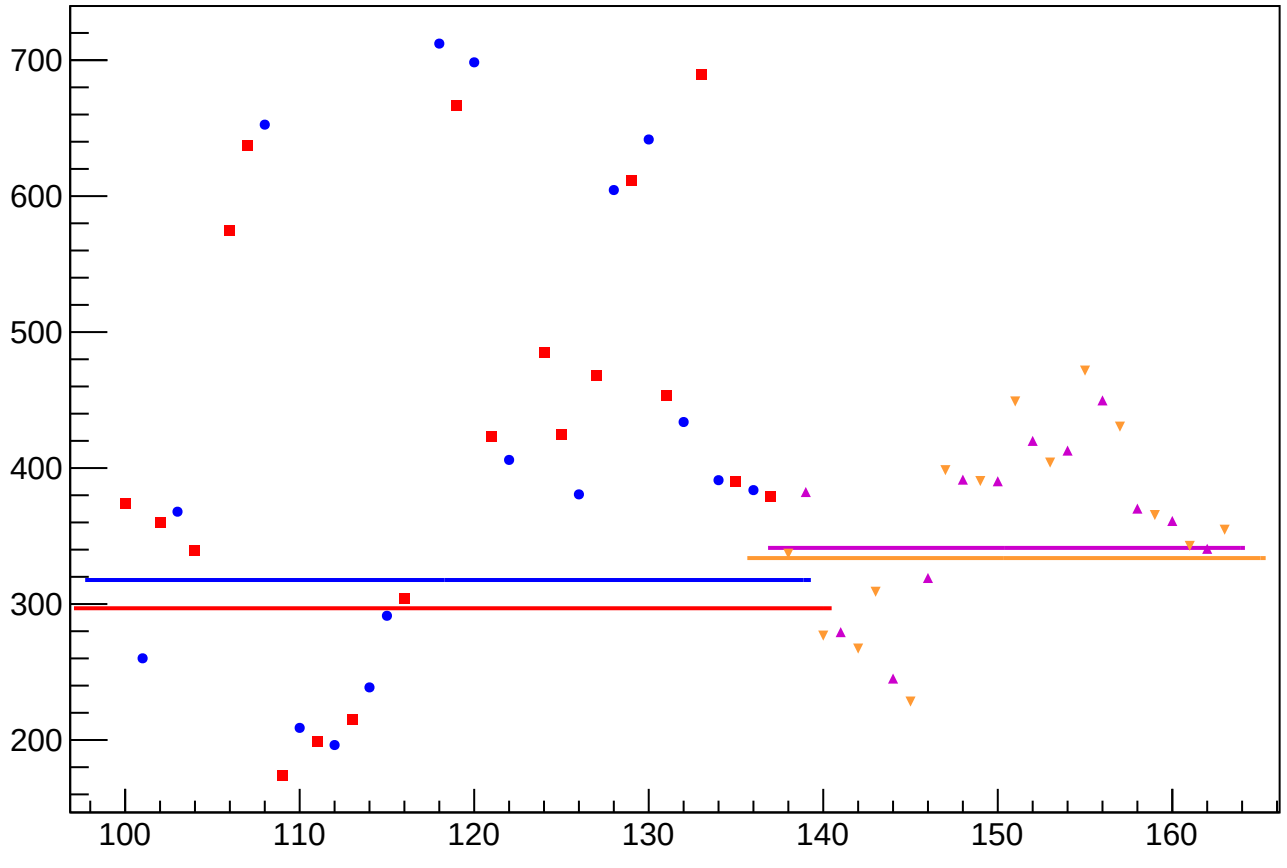
Left: -211.896+/-74.315 χ^2/NDF: 53.2/25

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -57.487+/-82.729 χ^2/NDF:37.5/27

Out: -153.771+/-77.877 χ^2/NDF:60.4/32

All: -108.535+/-56.705 χ^2/NDF: 98.6/60



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 333.798+/-0.072 χ^2/NDF:957063.2/13

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 341.278+/-0.076 χ^2/NDF:665817.6/11

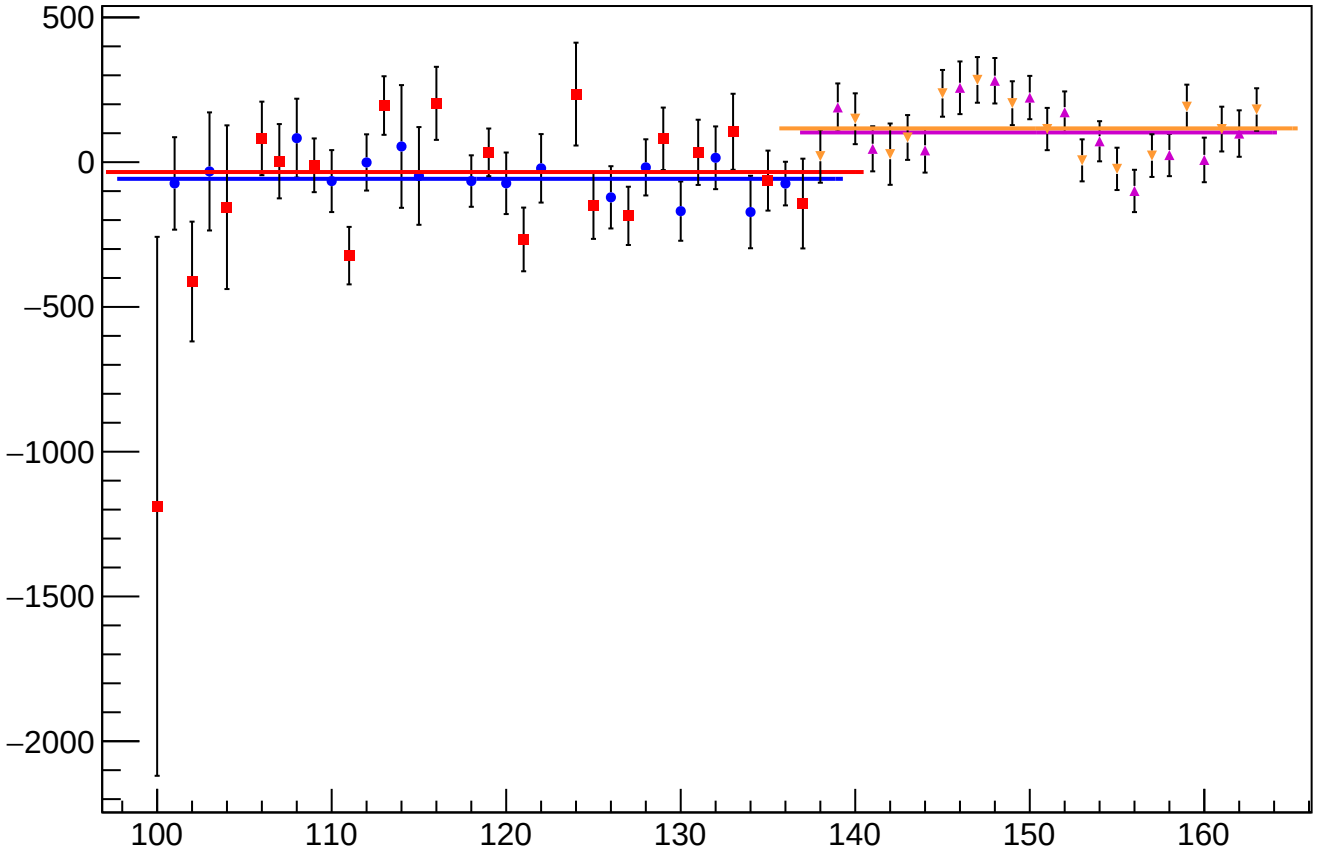
Left: 337.330+/-0.053 χ^2/NDF: 1627930.6/25

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 331.481+/-0.058 χ^2/NDF:2841569.3/27

Out: 318.284+/-0.055 χ^2/NDF:3607567.4/32

All: 324.484+/-0.040 χ^2/NDF: 6476118.8/60



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 116.707+/-21.002 χ^2/NDF:19.5/13

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.677+/-22.126 χ^2/NDF:24.4/11

Left: 110.058+/-15.232 χ^2/NDF: 44.1/25

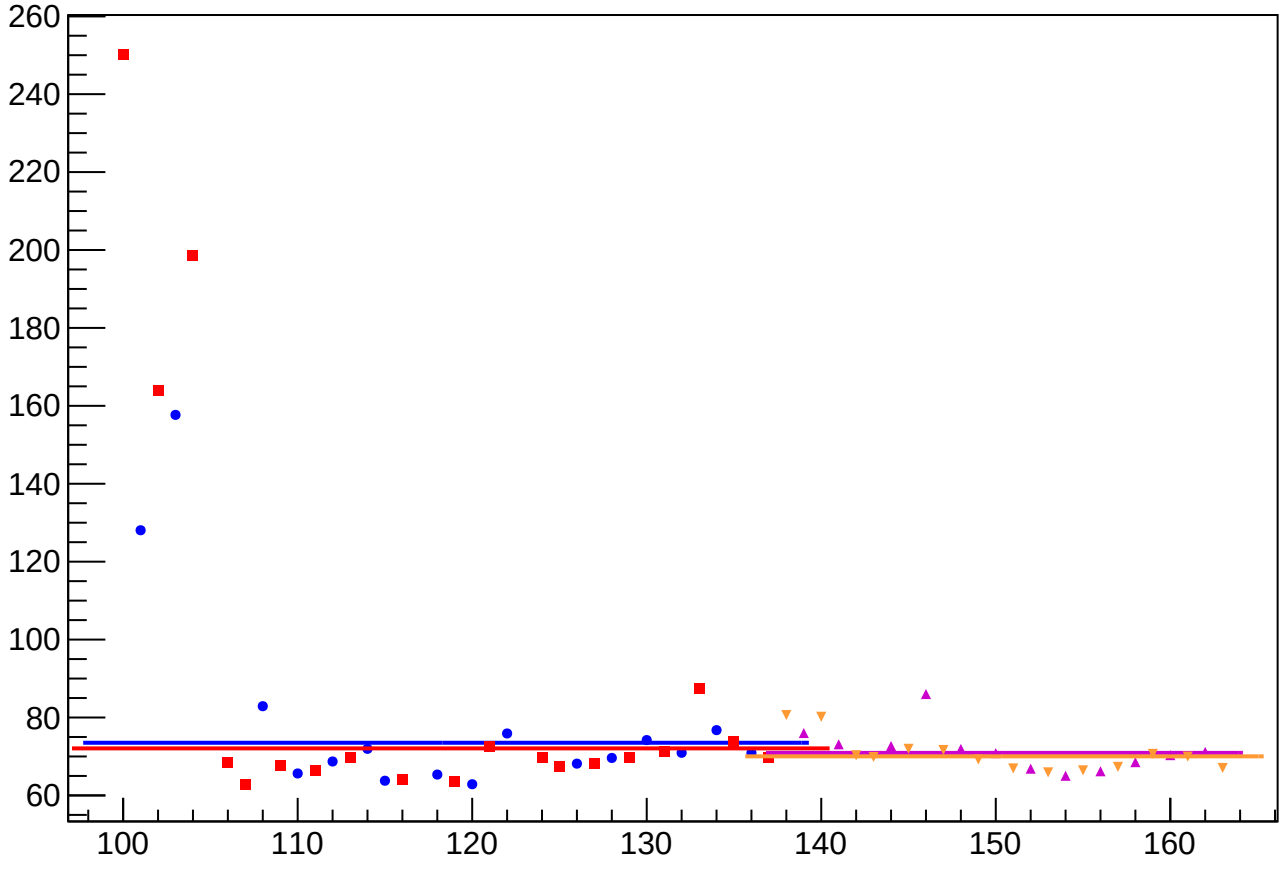
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 41.326+/-17.381 χ^2/NDF:49.3/27

Out: 60.917+/-16.668 χ^2/NDF:75.8/32

All: 51.531+/-12.030 χ^2/NDF: 125.7/60

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.031+/-0.015 χ^2/NDF:76694.4/13

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.917+/-0.016 χ^2/NDF:97063.3/11

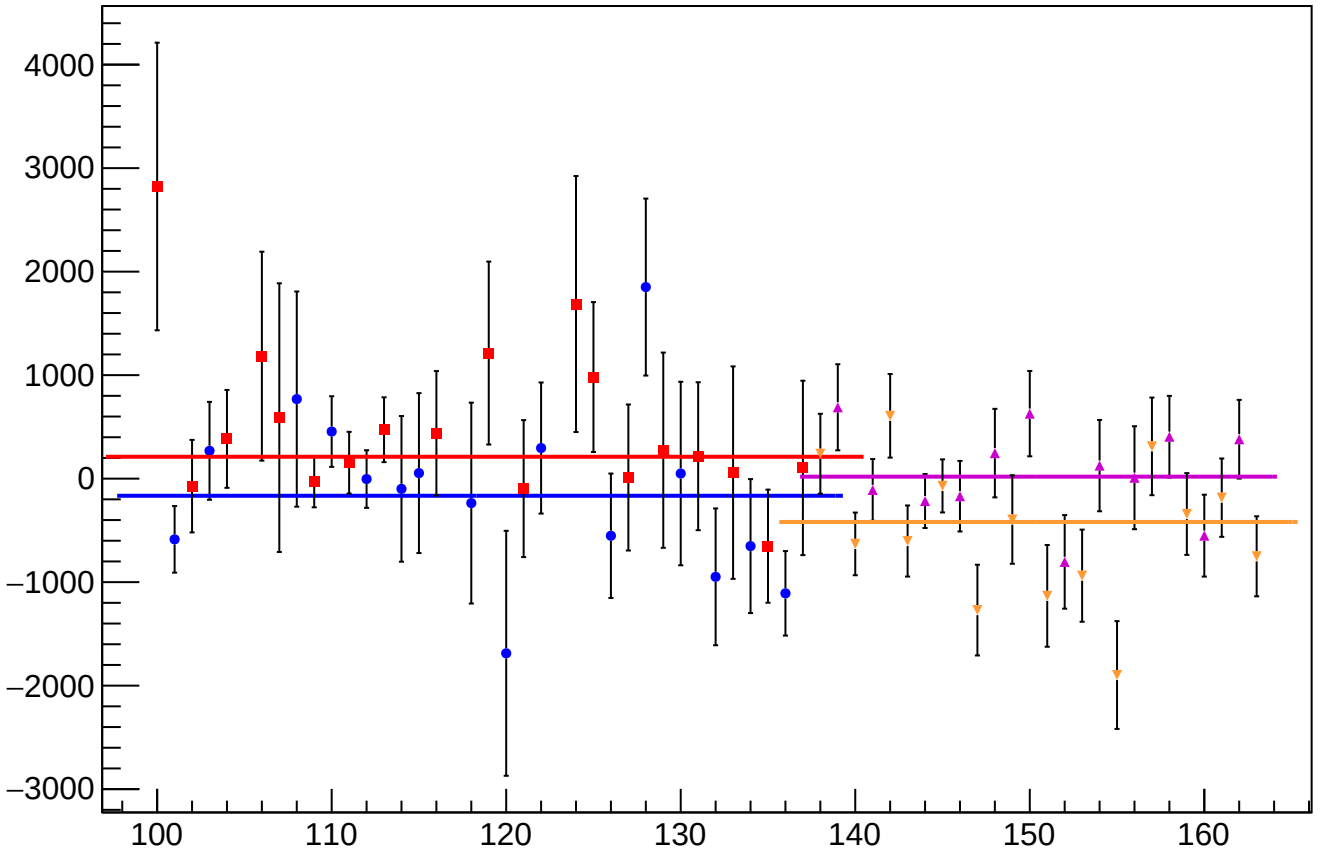
Left: 70.451+/-0.011 χ^2/NDF: 175447.8/25

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.914+/-0.012 χ^2/NDF:764500.1/27

Out: 70.787+/-0.012 χ^2/NDF:1042197.5/32

All: 71.327+/-0.009 χ^2/NDF: 1811076.5/60



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -418.512+/-102.286 χ^2/NDF:30.9/13

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 19.101+/-108.153 χ^2/NDF:13.7/11

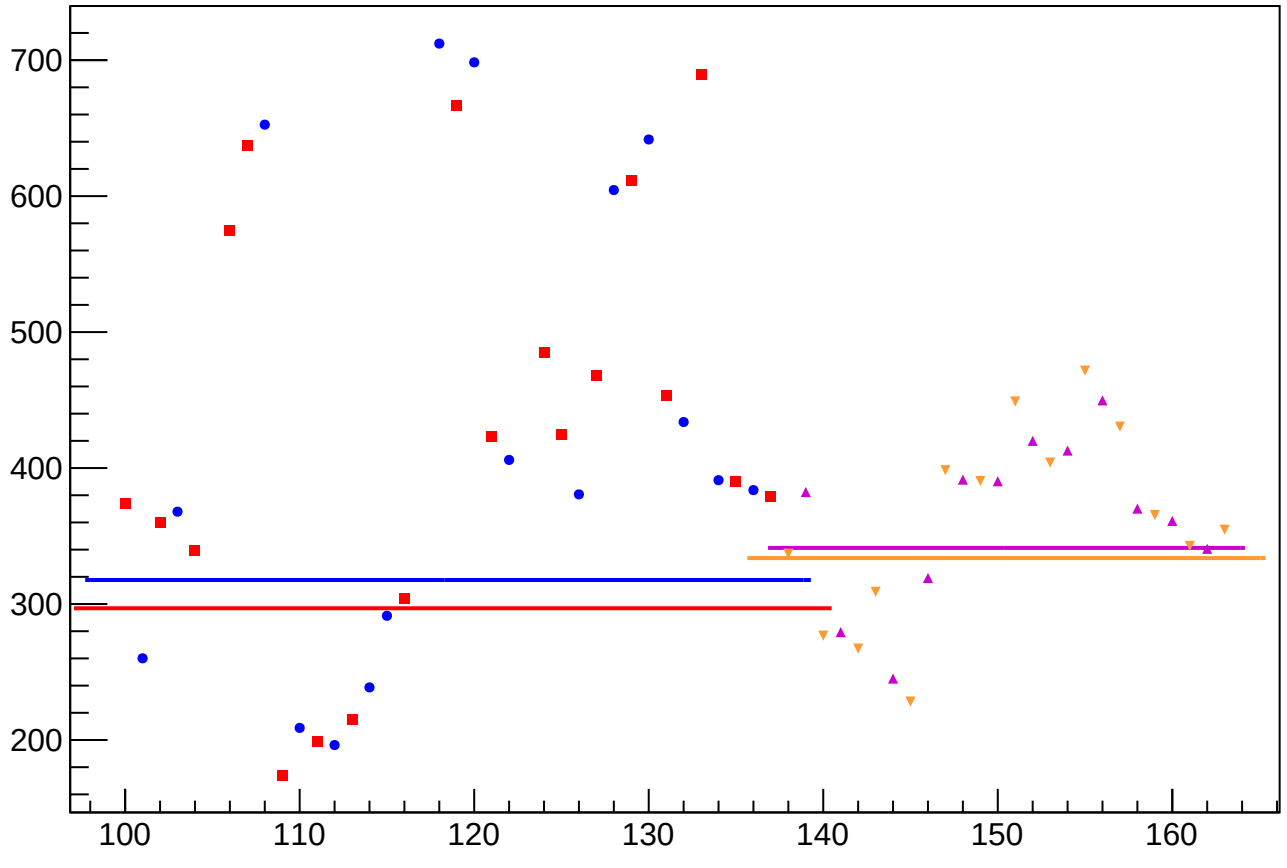
Left: -211.896+/-74.315 χ^2/NDF: 53.2/25

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -57.488+/-82.729 χ^2/NDF:37.5/27

Out: -153.770+/-77.877 χ^2/NDF:60.4/32

All: -108.535+/-56.705 χ^2/NDF: 98.6/60



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 333.798+/-0.072 χ^2/NDF:957074.4/13

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 341.278+/-0.076 χ^2/NDF:665823.6/11

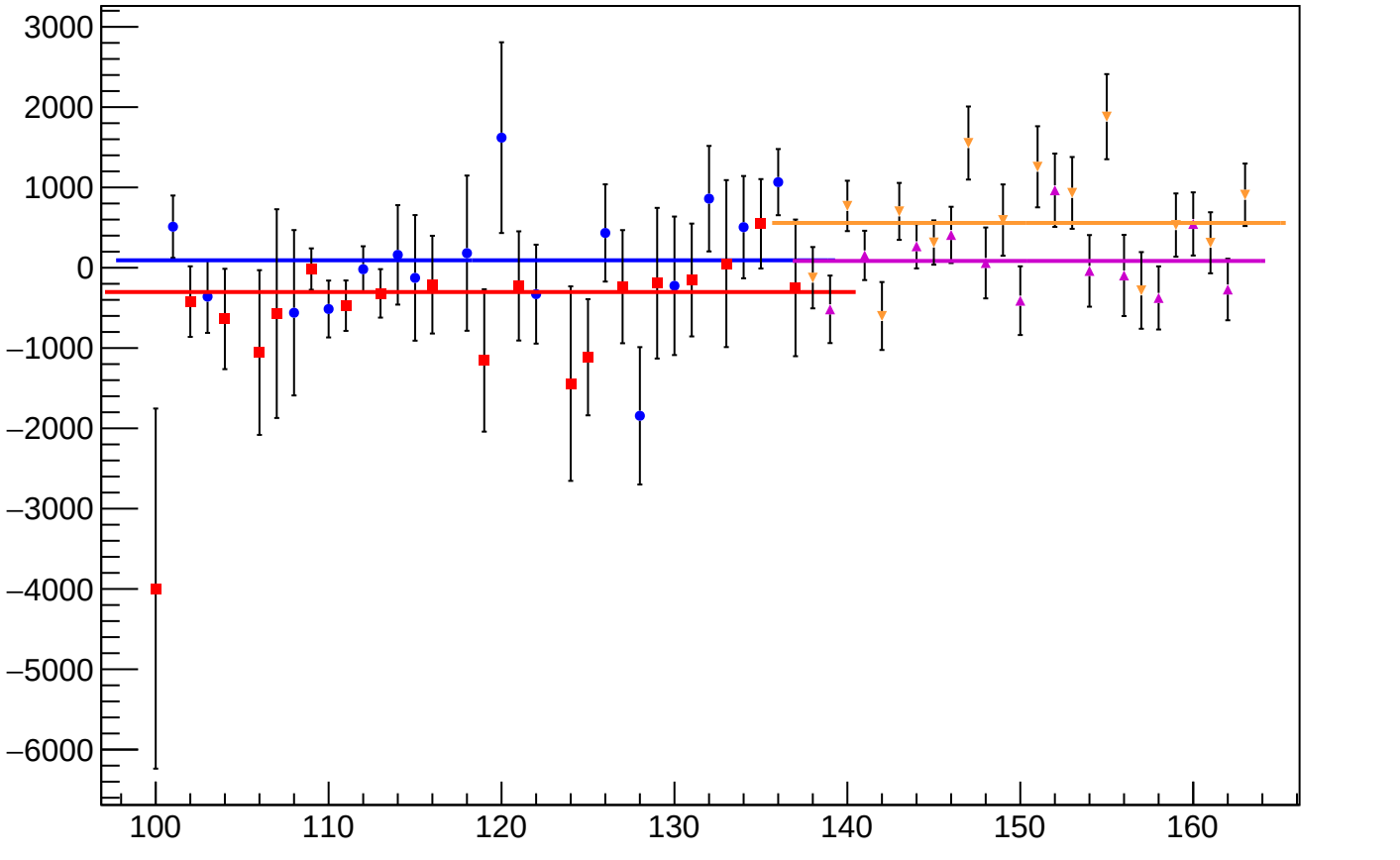
Left: 337.330+/-0.053 χ^2/NDF: 1627948.2/25

Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 331.480+/-0.058 χ^2/NDF:2841614.7/27

Out: 318.283+/-0.055 χ^2/NDF:3607596.5/32

All: 324.483+/-0.040 χ^2/NDF: 6476192.4/60



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 557.946+/-105.143 χ^2/NDF:30.1/13

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 84.734+/-110.680 χ^2/NDF:12.3/11

Left: 333.472+/-76.229 χ^2/NDF: 52.0/25

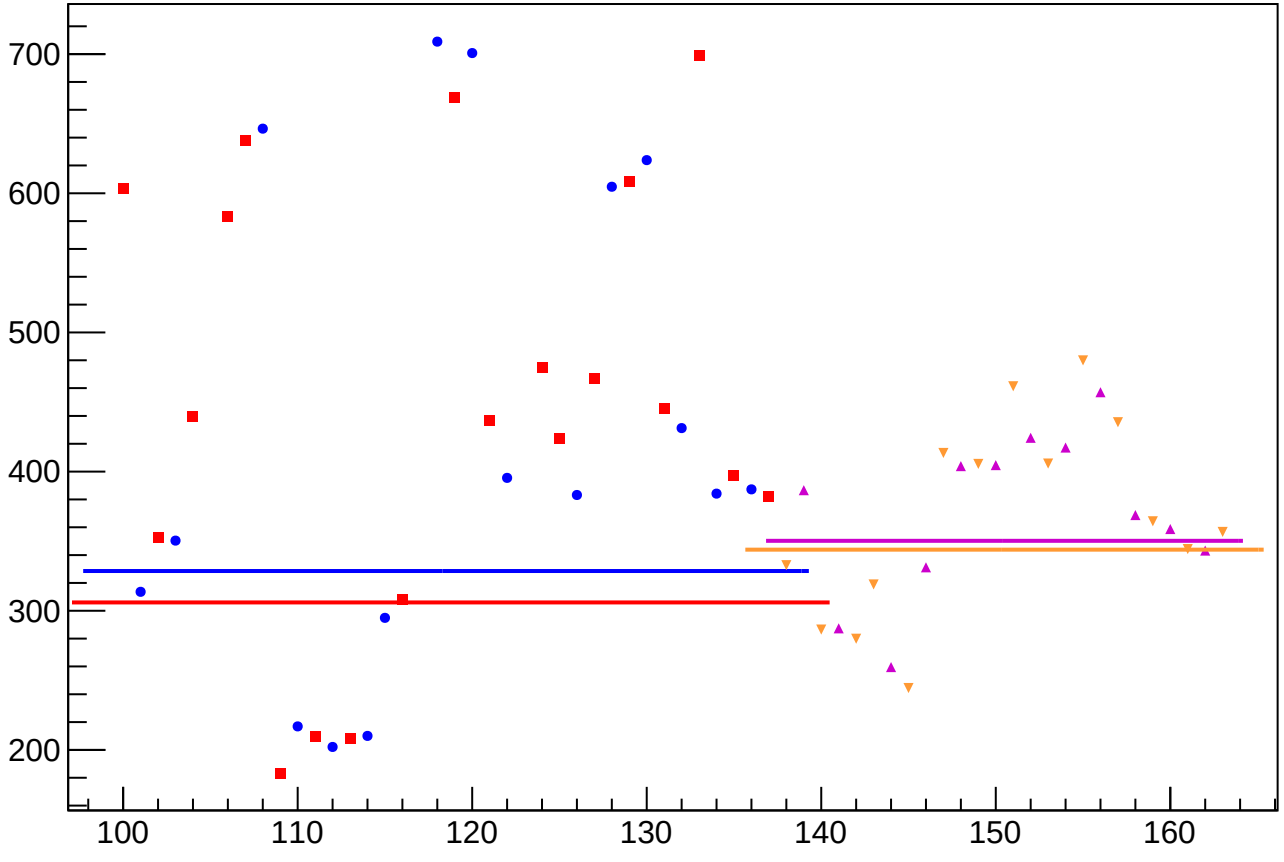
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 88.067+/-84.792 χ^2/NDF:33.1/27

Out: 197.870+/-80.172 χ^2/NDF:68.9/32

All: 146.042+/-58.255 χ^2/NDF: 102.9/60

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 343.914+/-0.074 χ^2/NDF:828700.1/13

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 350.265+/-0.078 χ^2/NDF:576005.5/11

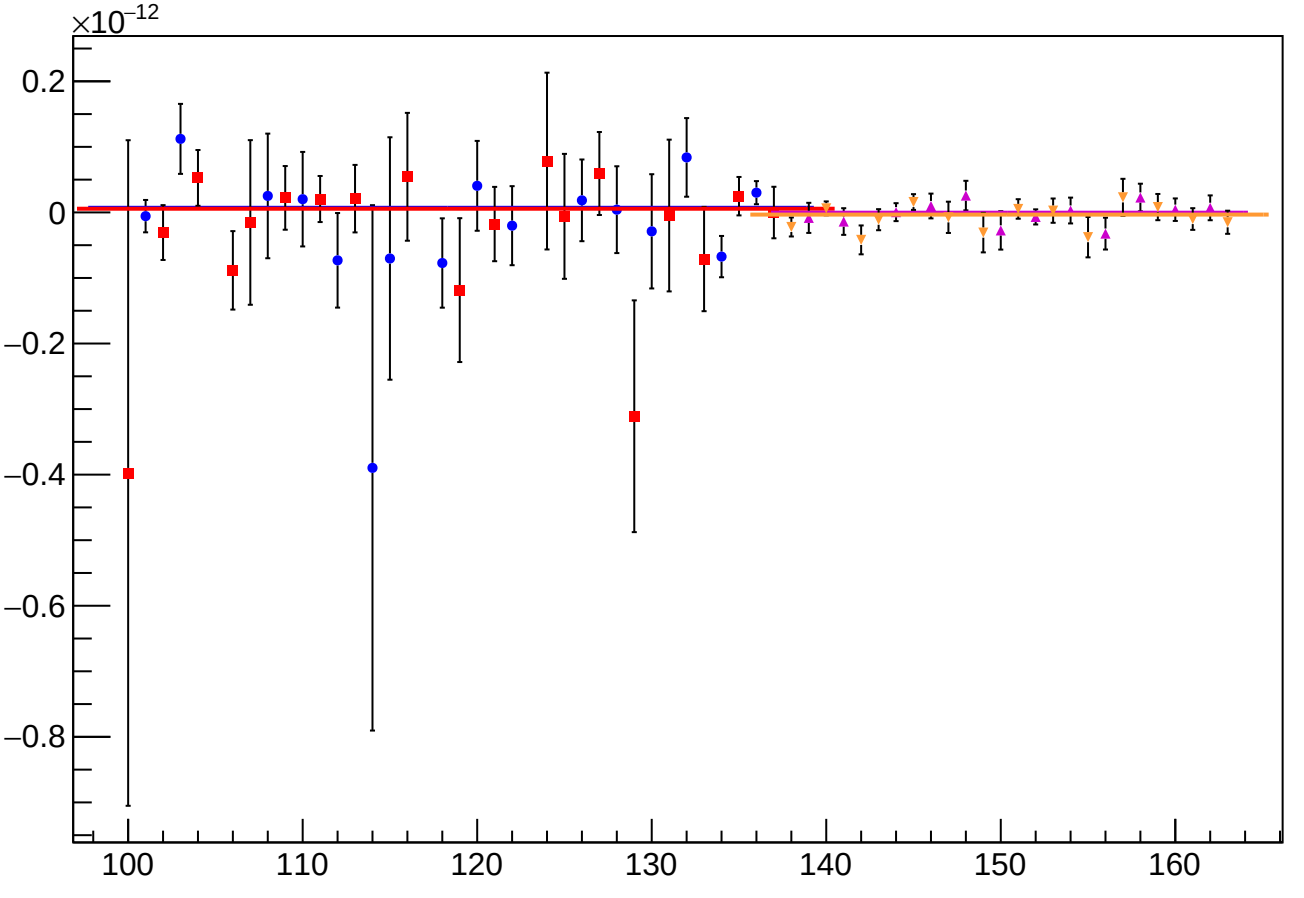
Left: 346.927+/-0.054 χ^2/NDF: 1408167.0/25

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 341.302+/-0.060 χ^2/NDF:2566631.8/27

Out: 328.039+/-0.057 χ^2/NDF:3465087.8/32

All: 334.299+/-0.041 χ^2/NDF: 6057555.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/11

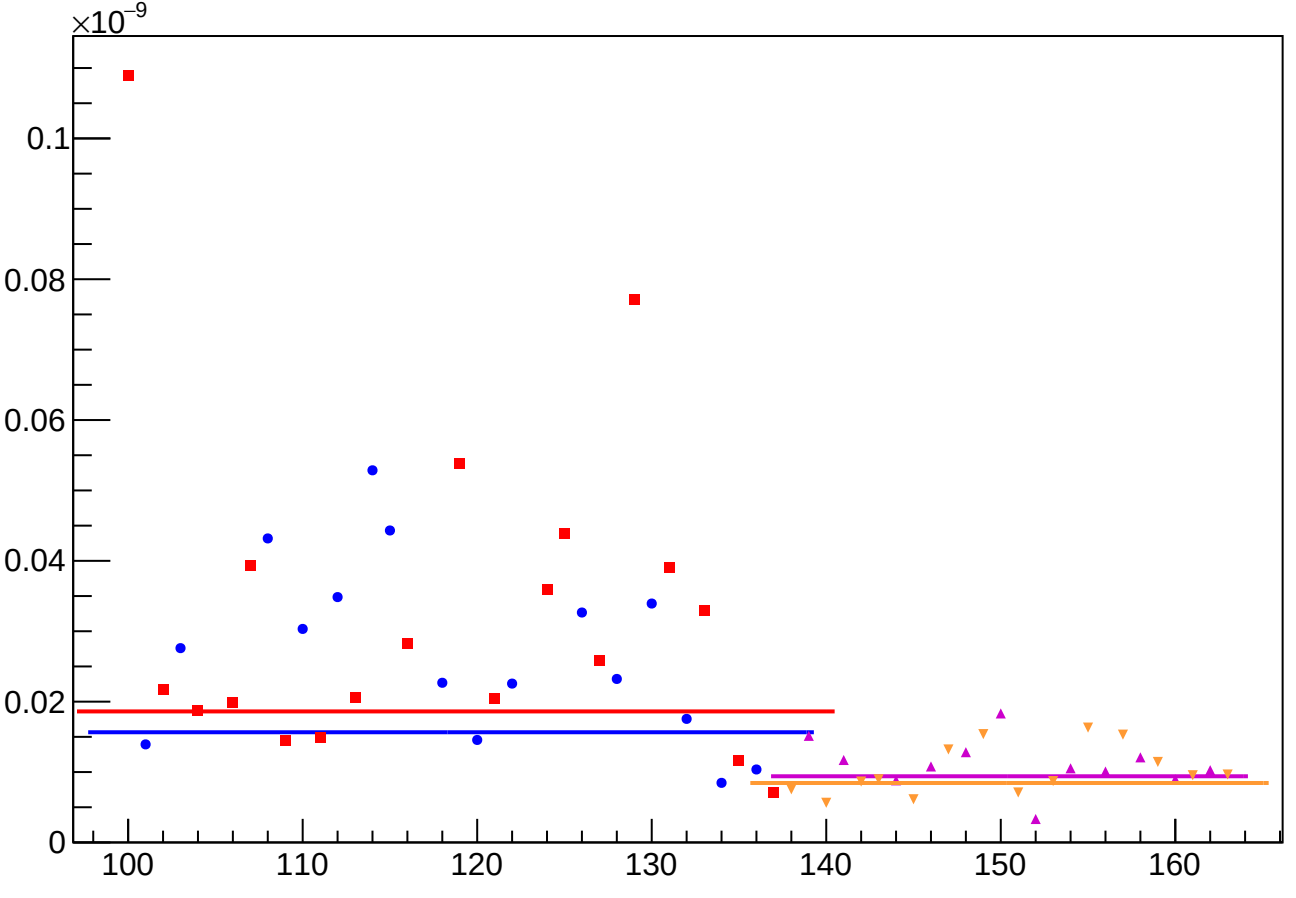
Left: -0.000+/-0.000 χ^2/NDF: 19.4/25

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:24.6/27

Out: -0.000+/-0.000 χ^2/NDF:26.0/32

All: -0.000+/-0.000 χ^2/NDF: 50.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:739266.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:996431.5/11

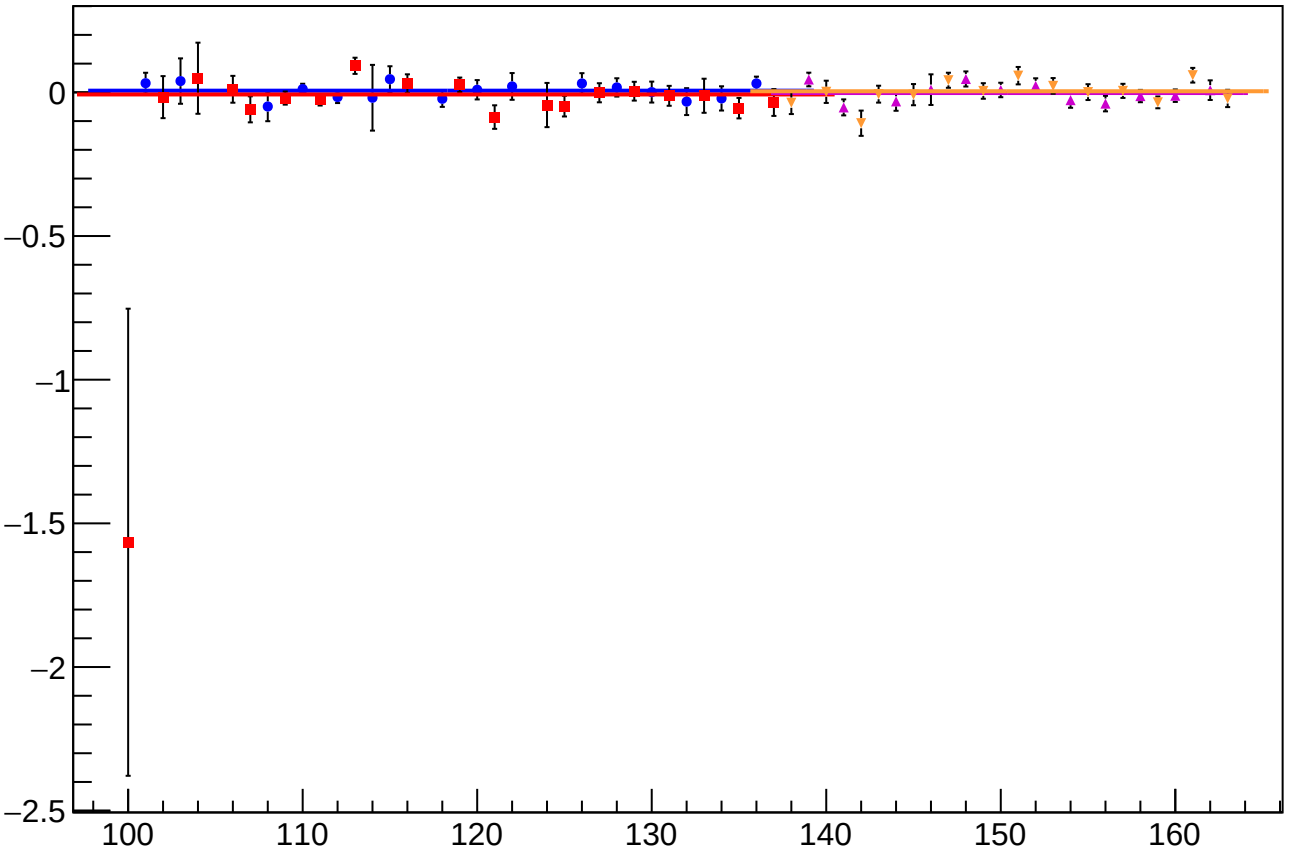
Left: 0.000+/-0.000 χ^2/NDF: 1773185.6/25

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2689587.2/27

Out: 0.000+/-0.000 χ^2/NDF:3082944.3/32

All: 0.000+/-0.000 χ^2/NDF: 5821769.9/60



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.008 χ^2/NDF:15.7/11

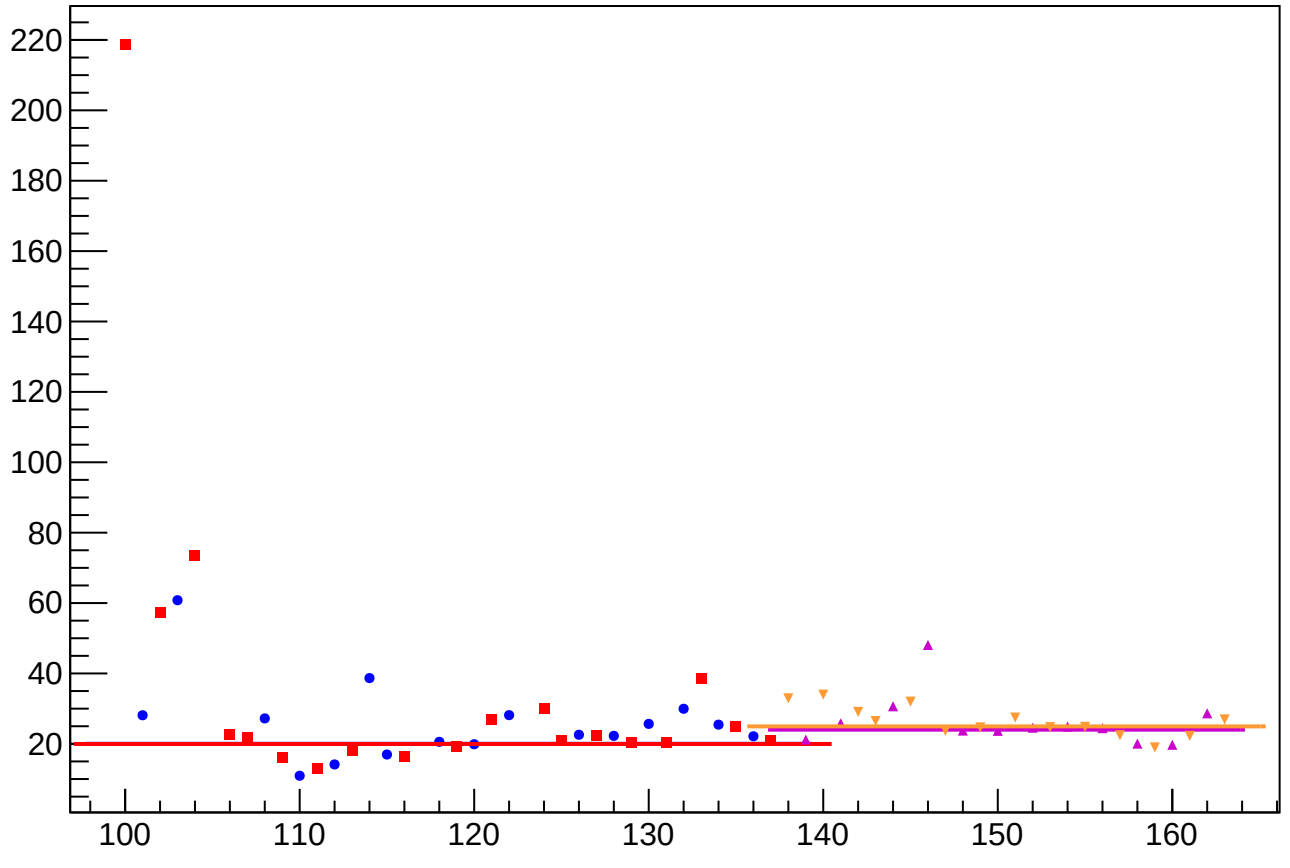
Left: 0.001+/-0.005 χ^2/NDF: 38.5/25

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:24.1/27

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: 0.000+/-0.004 χ^2/NDF: 77.5/60



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.959+/-0.005 χ^2/NDF:524691.9/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.030+/-0.005 χ^2/NDF:713679.9/11

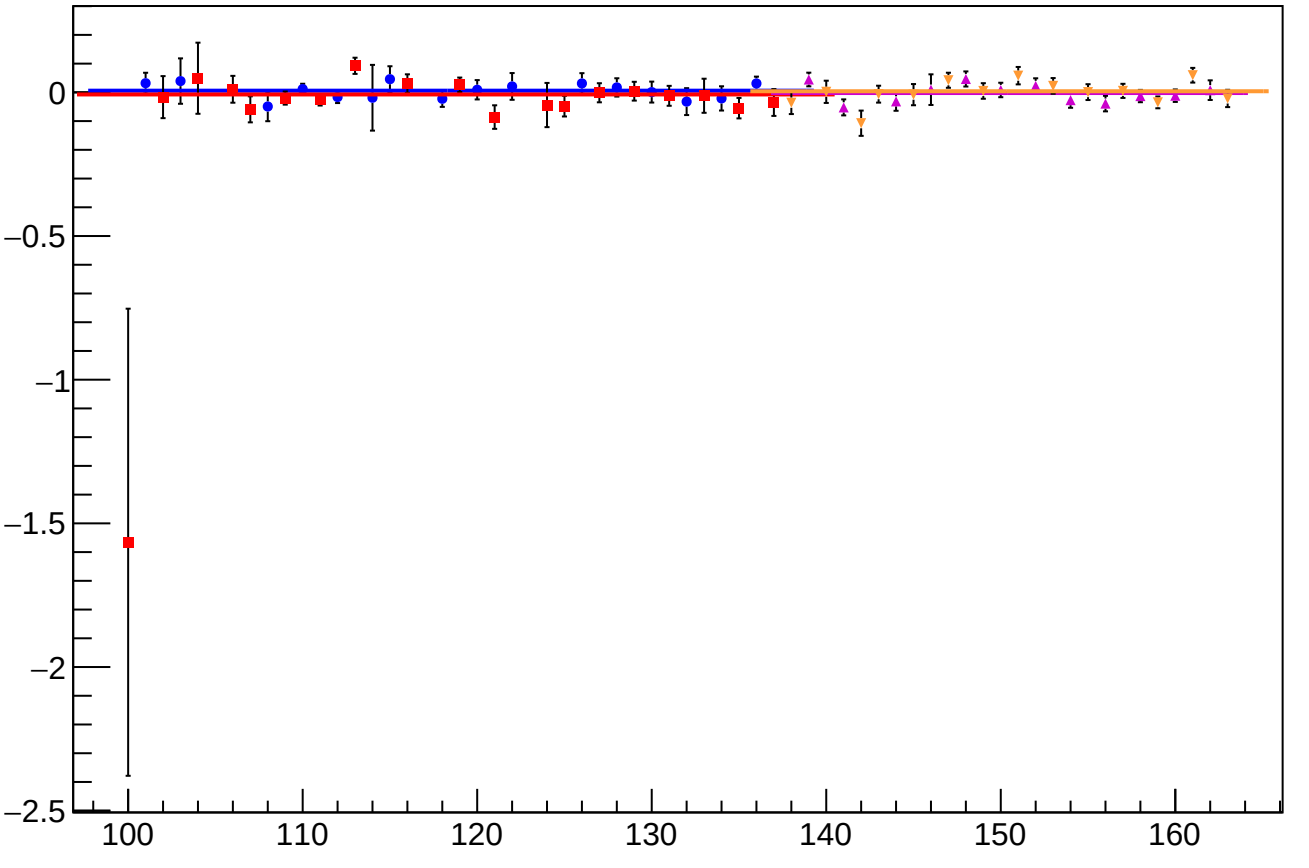
Left: 24.497+/-0.004 χ^2/NDF: 1252907.5/25

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.124+/-0.004 χ^2/NDF:2611672.9/27

Out: 22.591+/-0.004 χ^2/NDF:2642324.7/32

All: 22.359+/-0.003 χ^2/NDF: 5260942.9/60



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.008 χ^2/NDF:15.7/11

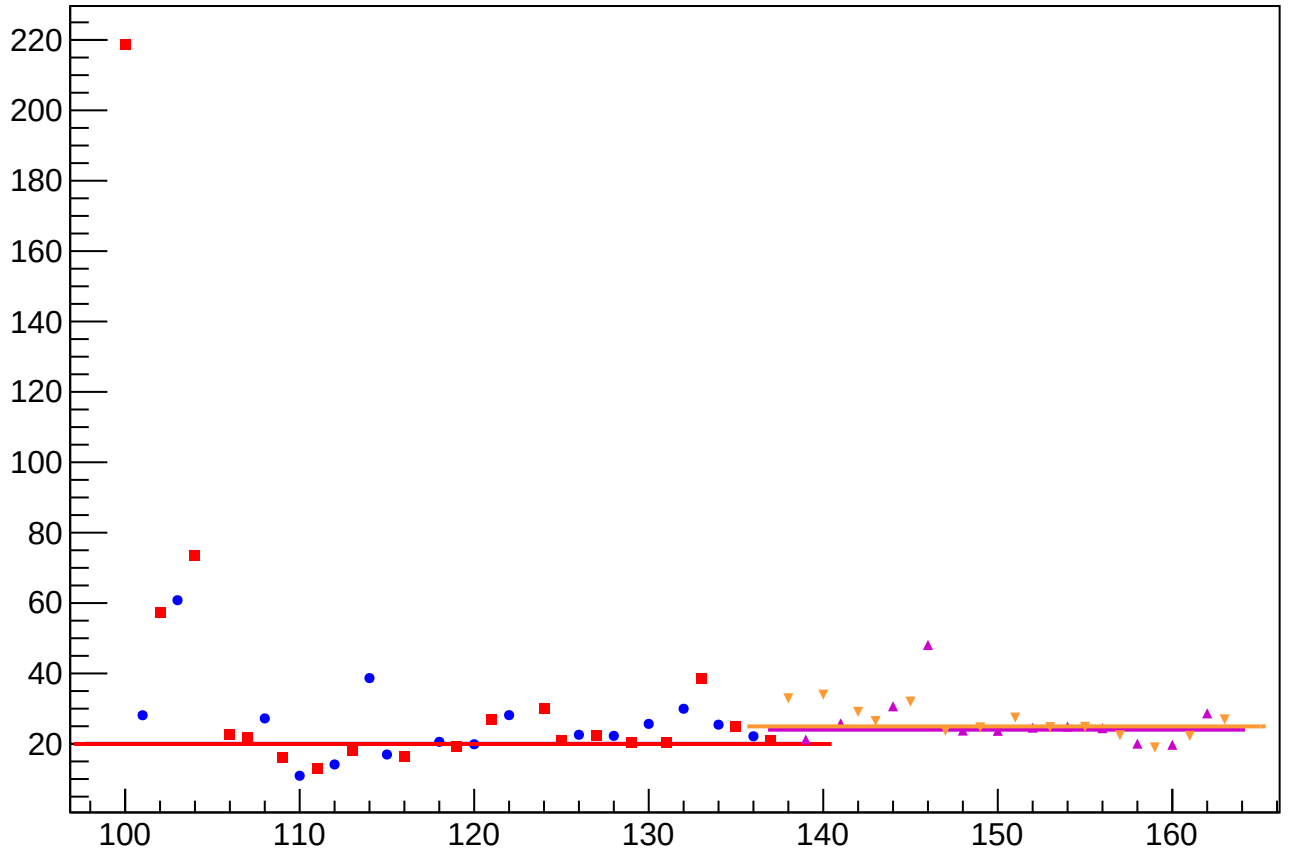
Left: 0.001+/-0.005 χ^2/NDF: 38.5/25

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:24.1/27

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: 0.000+/-0.004 χ^2/NDF: 77.5/60



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 24.959+/-0.005 χ^2/NDF:524691.9/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.030+/-0.005 χ^2/NDF:713679.9/11

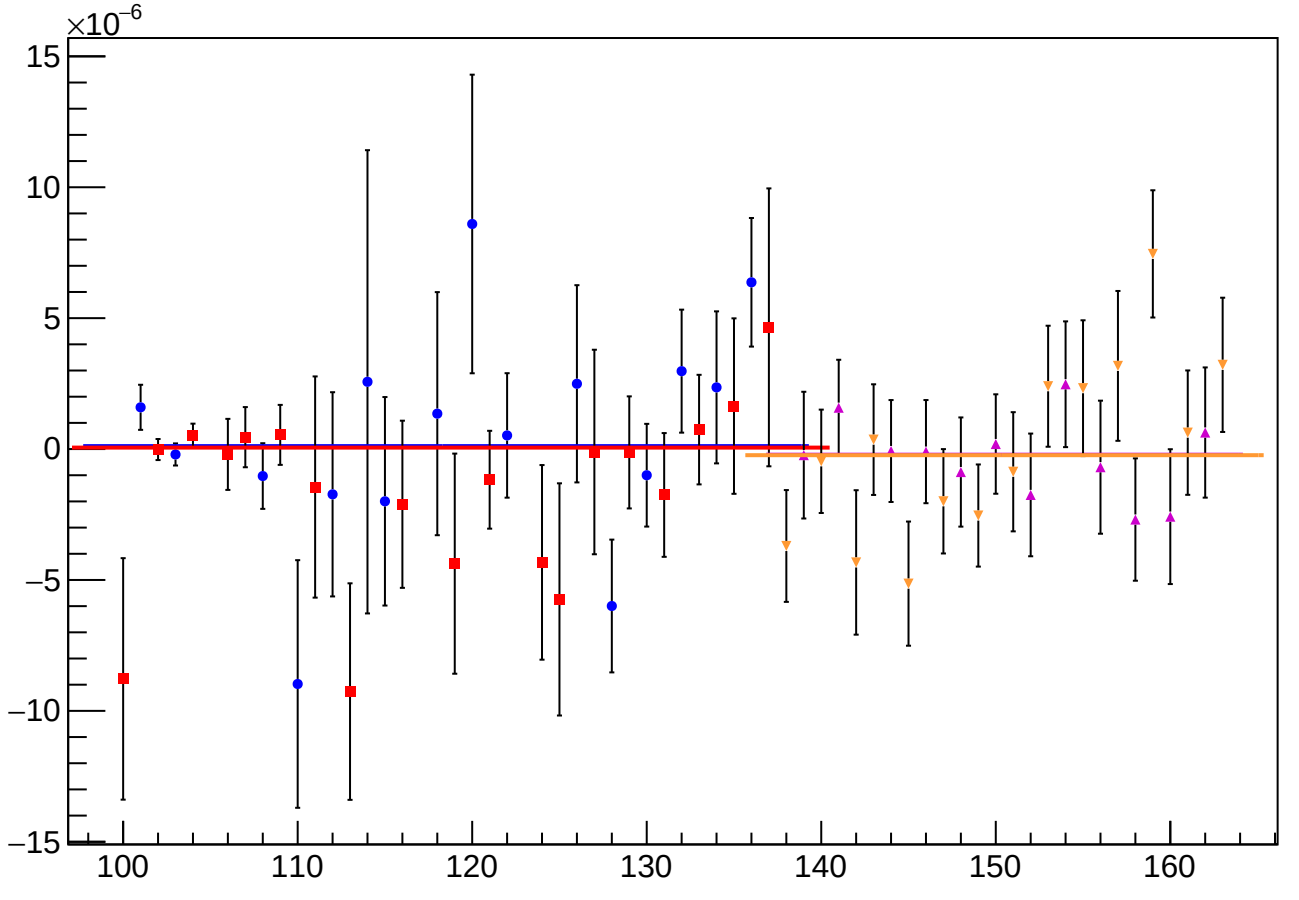
Left: 24.497+/-0.004 χ^2/NDF: 1252907.5/25

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.124+/-0.004 χ^2/NDF:2611672.9/27

Out: 22.591+/-0.004 χ^2/NDF:2642324.7/32

All: 22.359+/-0.003 χ^2/NDF: 5260942.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/11

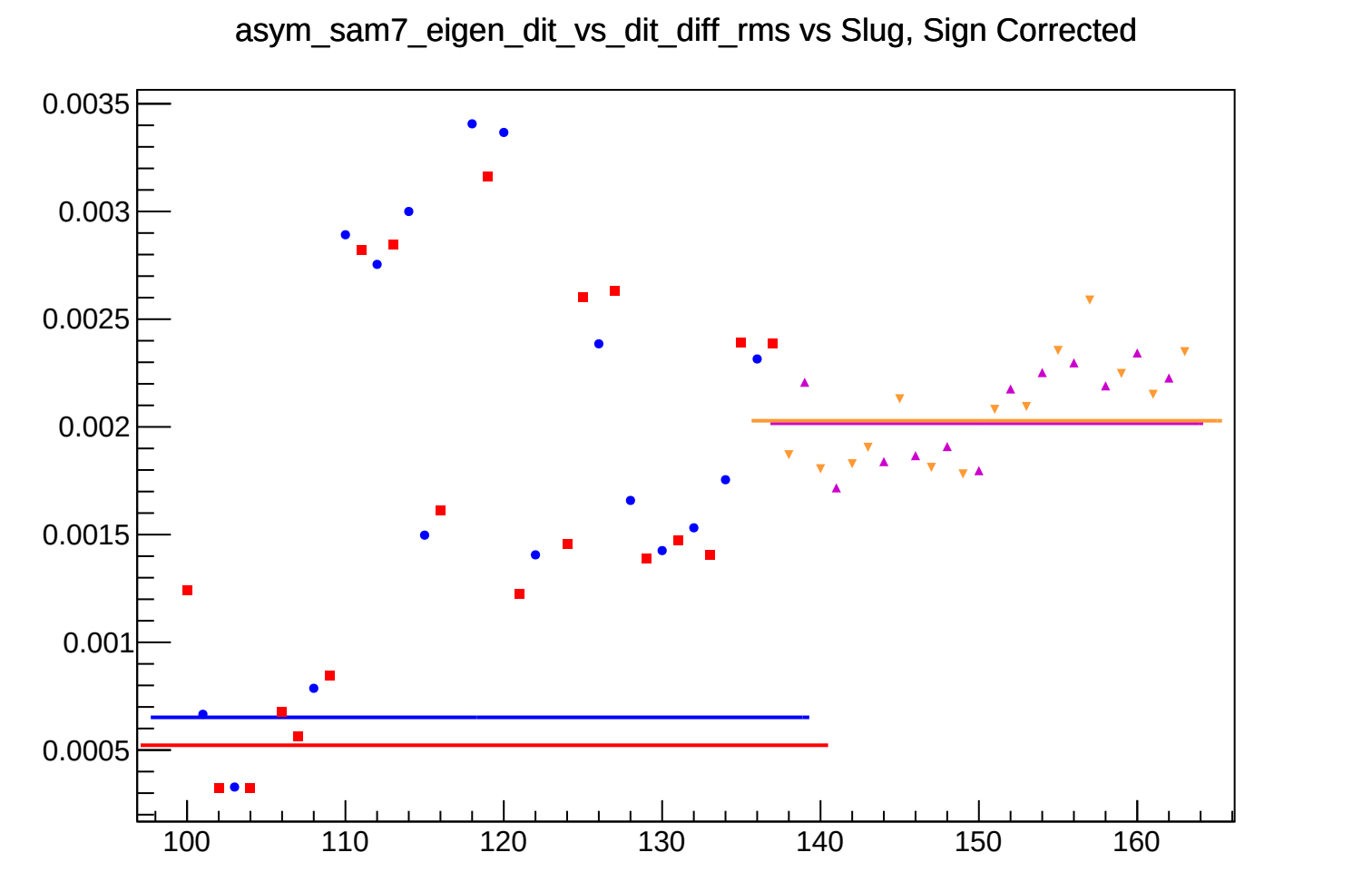
Left: -0.000+/-0.000 χ^2/NDF: 32.0/25

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:31.2/27

Out: 0.000+/-0.000 χ^2/NDF:44.4/32

All: 0.000+/-0.000 χ^2/NDF: 75.6/60



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:276919.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:236817.5/11

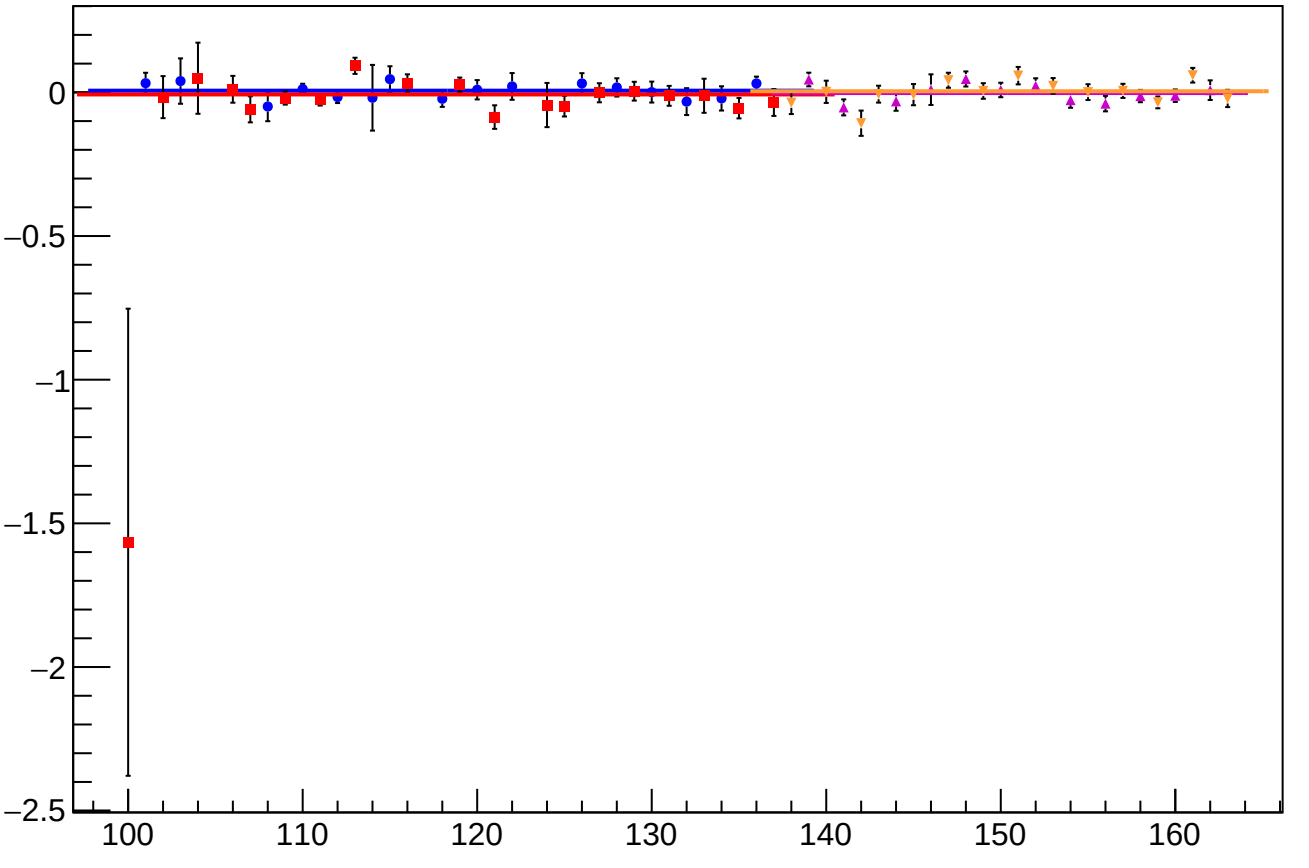
Left: 0.002+/-0.000 χ^2/NDF: 514091.2/25

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:13894602.0/27

Out: 0.001+/-0.000 χ^2/NDF:17225779.3/32

All: 0.001+/-0.000 χ^2/NDF: 31651688.0/60



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.008 χ^2/NDF:15.7/11

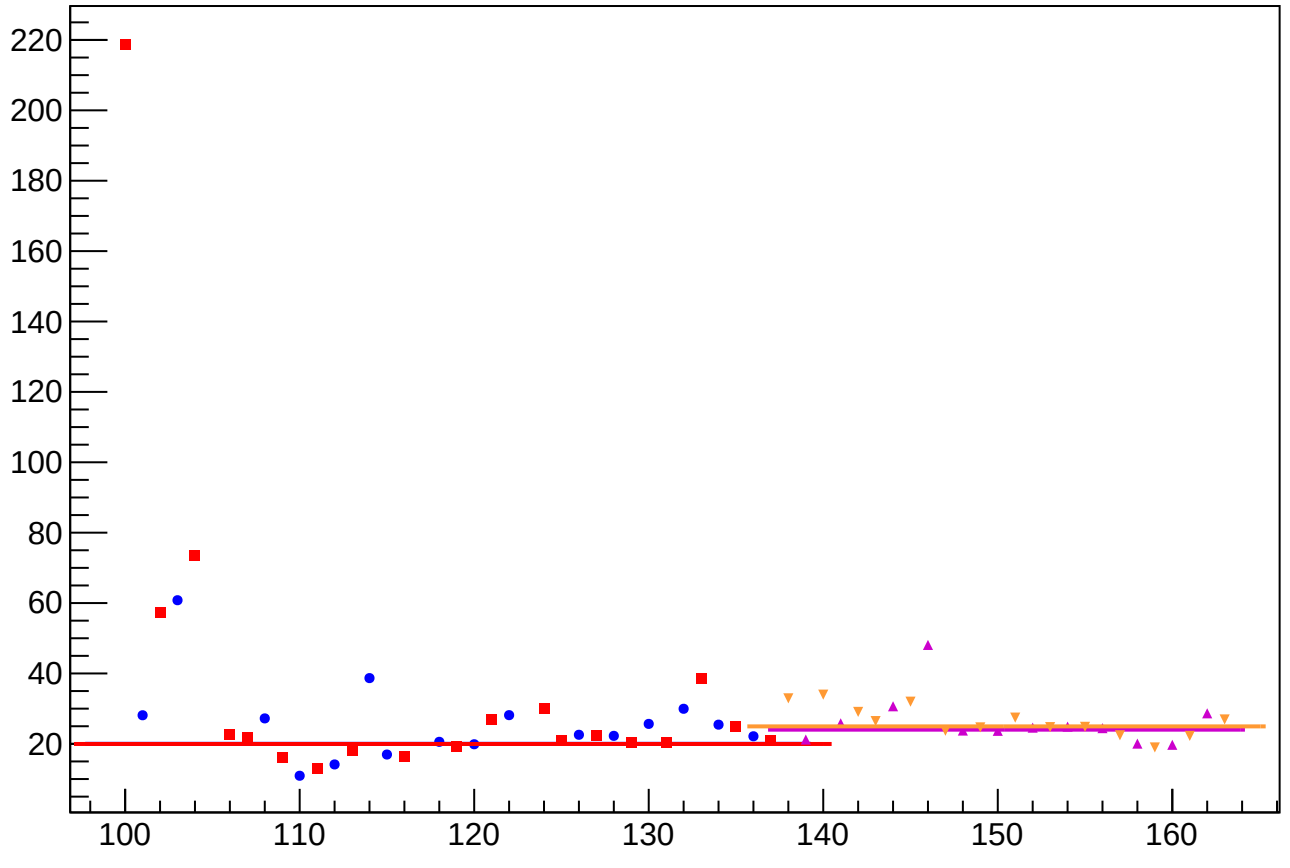
Left: 0.001+/-0.005 χ^2/NDF: 38.5/25

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:24.1/27

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: 0.000+/-0.004 χ^2/NDF: 77.5/60



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.030+/-0.005 χ^2/NDF:713714.9/11

Left: 24.497+/-0.004 χ^2/NDF: 1252987.9/25

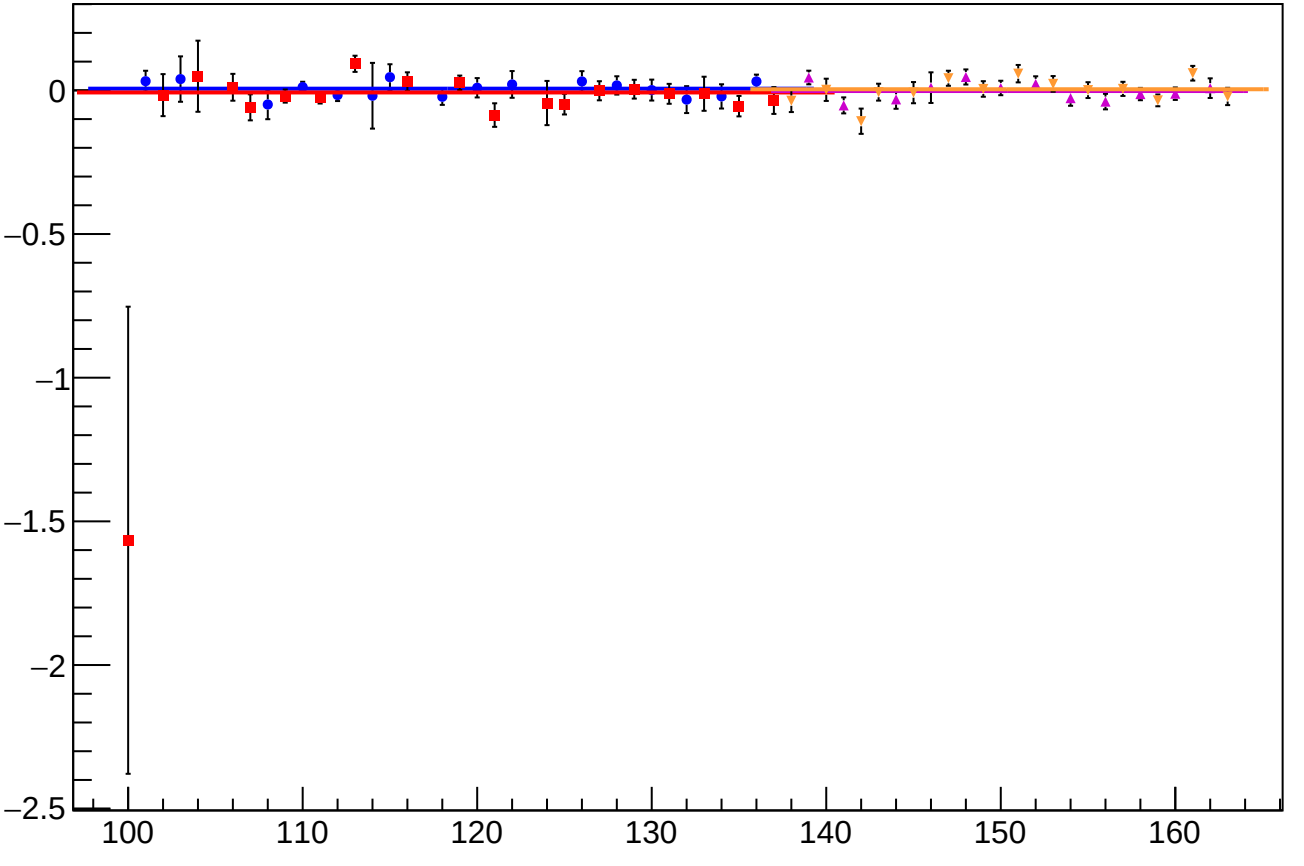
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.124+/-0.004 χ^2/NDF:2611457.4/27

Out: 22.591+/-0.004 χ^2/NDF:2642274.0/32

All: 22.359+/-0.003 χ^2/NDF: 5260671.8/60

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.004+/-0.008 χ^2/NDF:22.4/13

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: -0.002+/-0.008 χ^2/NDF:15.7/11

Left: 0.001+/-0.005 χ^2/NDF: 38.5/25

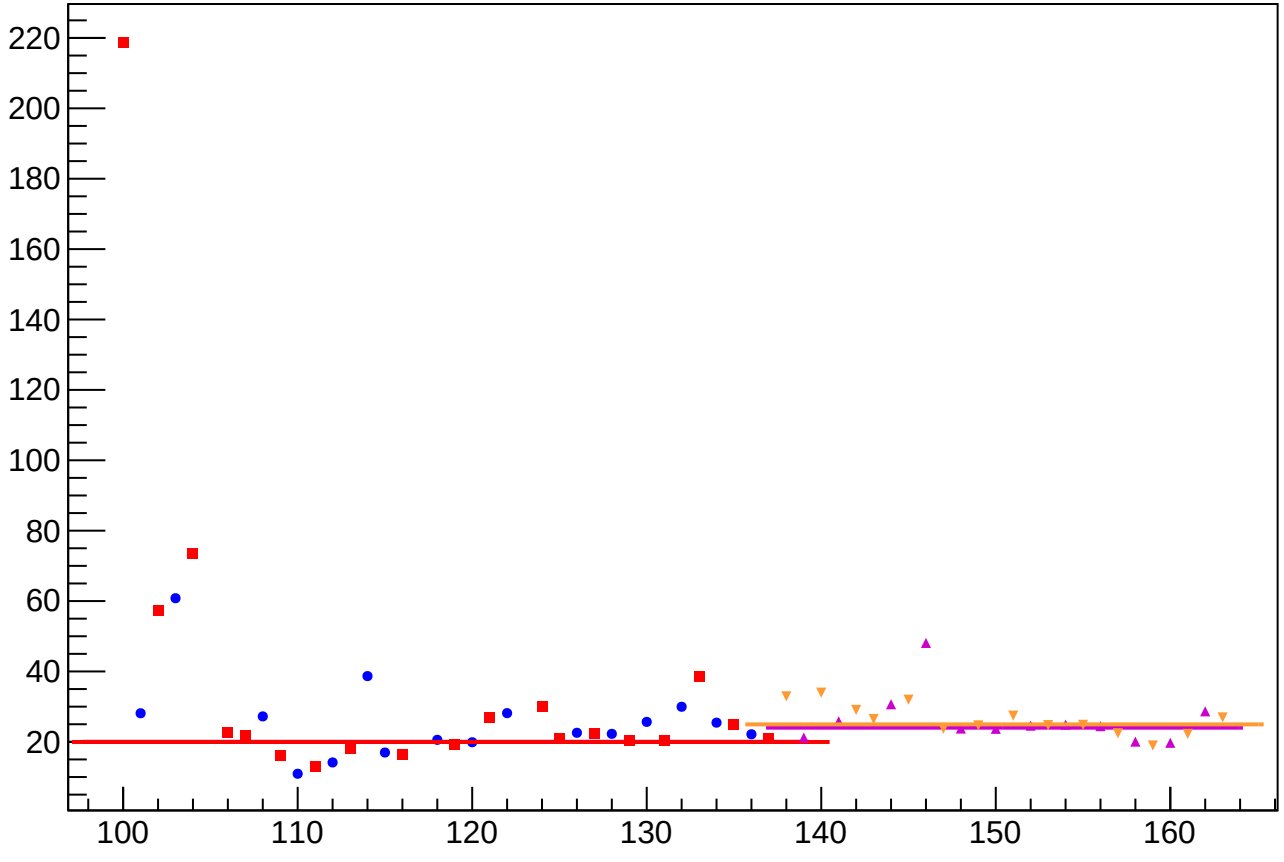
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.006 χ^2/NDF:24.1/27

Out: -0.001+/-0.006 χ^2/NDF:53.3/32

All: 0.000+/-0.004 χ^2/NDF: 77.5/60

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 24.959+/-0.005 χ^2/NDF:524735.7/13

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.030+/-0.005 χ^2/NDF:713714.9/11

Left: 24.497+/-0.004 χ^2/NDF: 1252987.9/25

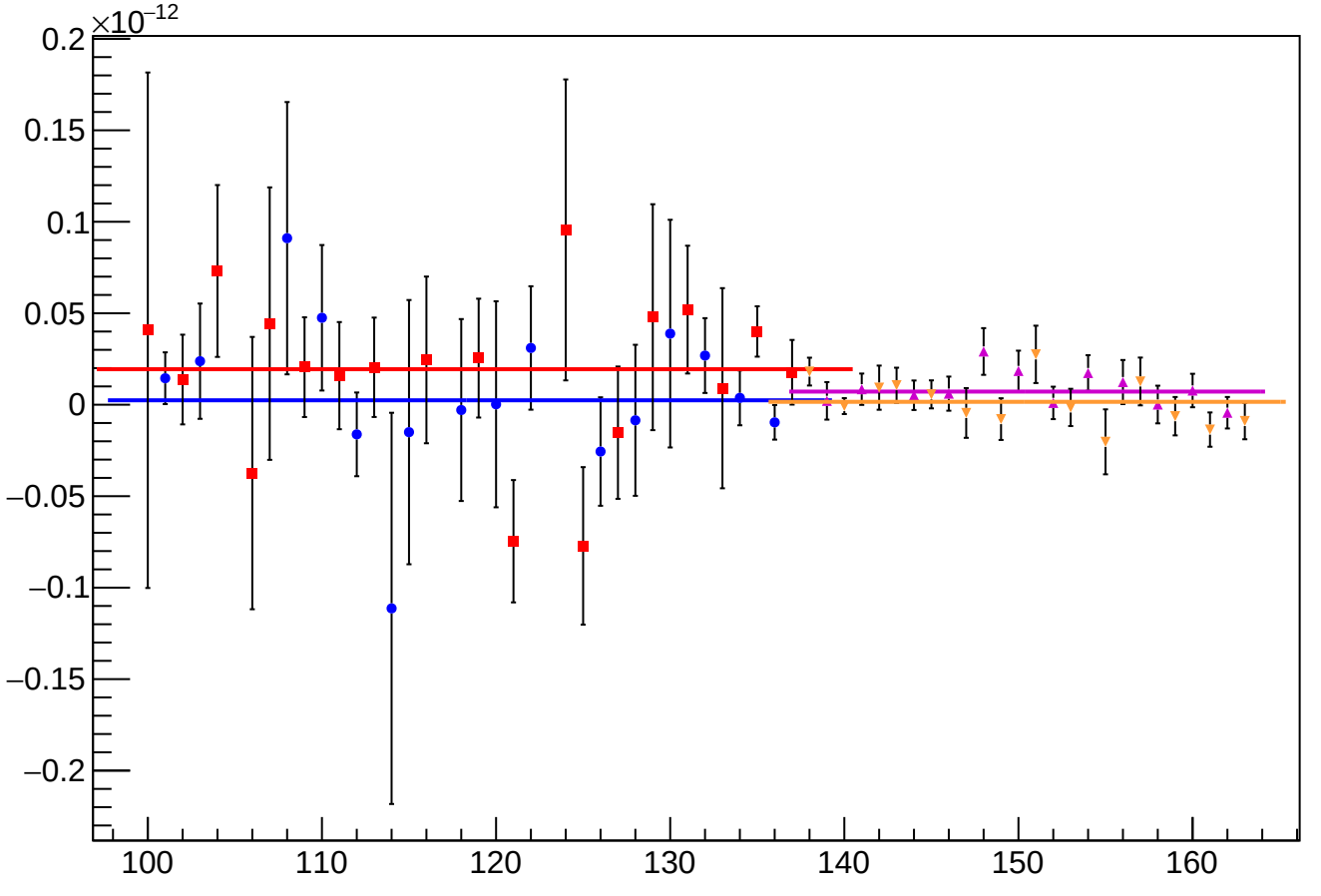
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.124+/-0.004 χ^2/NDF:2611457.4/27

Out: 22.591+/-0.004 χ^2/NDF:2642274.0/32

All: 22.359+/-0.003 χ^2/NDF: 5260671.8/60

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/11

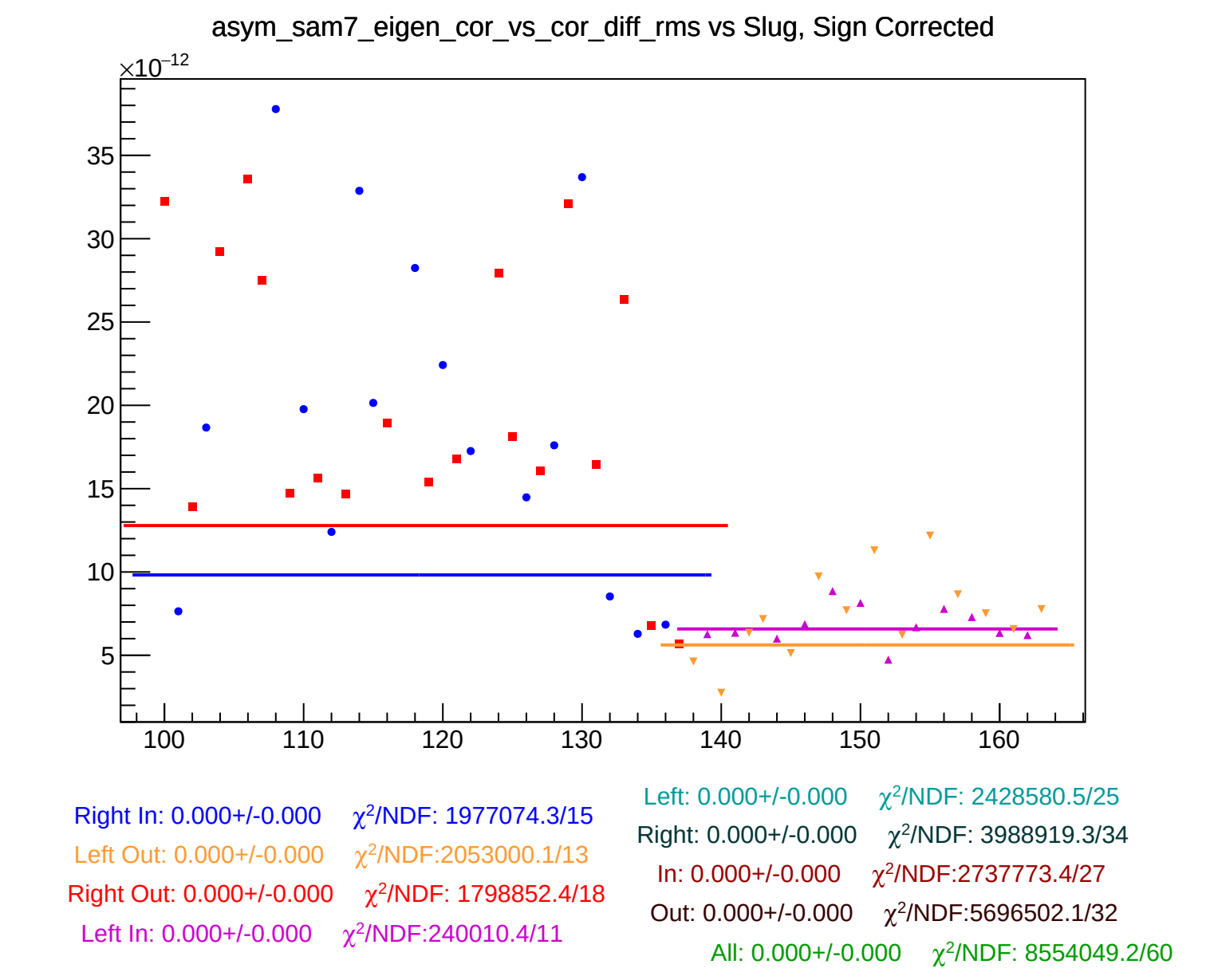
Left: 0.000+/-0.000 χ^2/NDF: 27.5/25

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

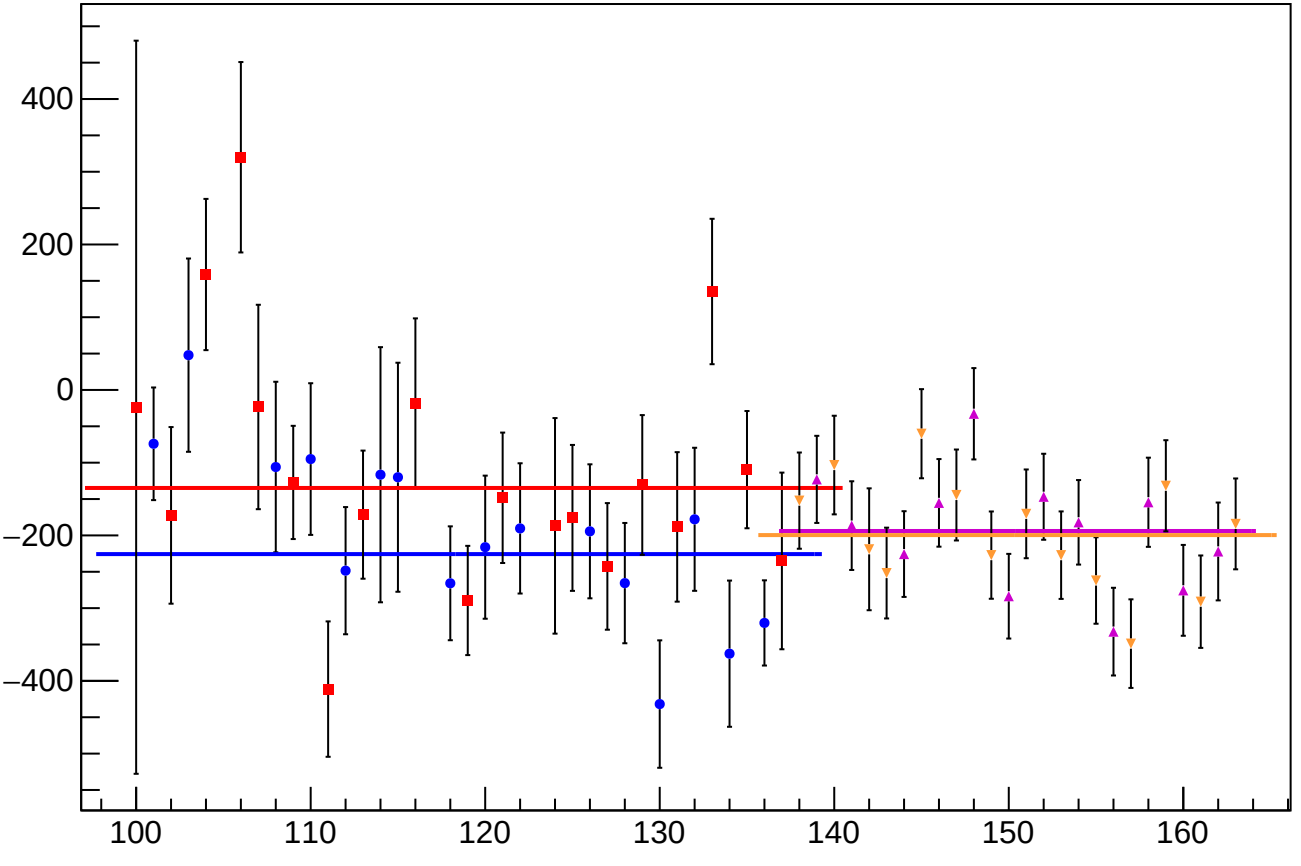
In: 0.000+/-0.000 χ^2/NDF:19.8/27

Out: 0.000+/-0.000 χ^2/NDF:42.8/32

All: 0.000+/-0.000 χ^2/NDF: 63.3/60


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2053000.1/13
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:240010.4/11
Left: 0.000+/-0.000 χ²/NDF: 2428580.5/25
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2737773.4/27
Out: 0.000+/-0.000 χ²/NDF:5696502.1/32
All: 0.000+/-0.000 χ²/NDF: 8554049.2/60

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.559+/-16.899 χ^2/NDF:20.3/13

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -193.925+/-17.512 χ^2/NDF:19.3/11

Left: -196.842+/-12.161 χ^2/NDF: 39.7/25

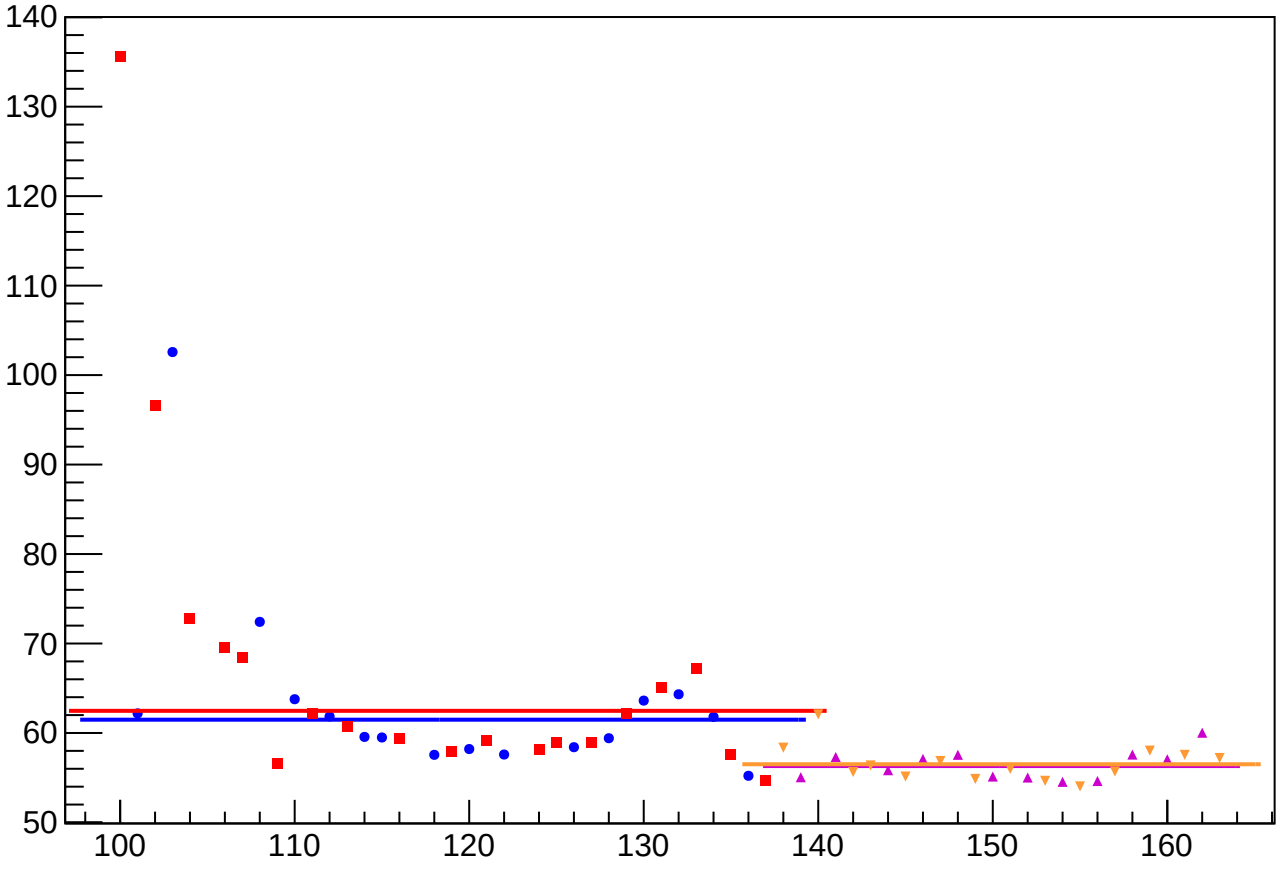
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -205.507+/-13.959 χ^2/NDF:43.1/27

Out: -177.086+/-13.658 χ^2/NDF:70.7/32

All: -190.986+/-9.762 χ^2/NDF: 115.9/60

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.303+/-0.012 χ^2/NDF:15134.7/11

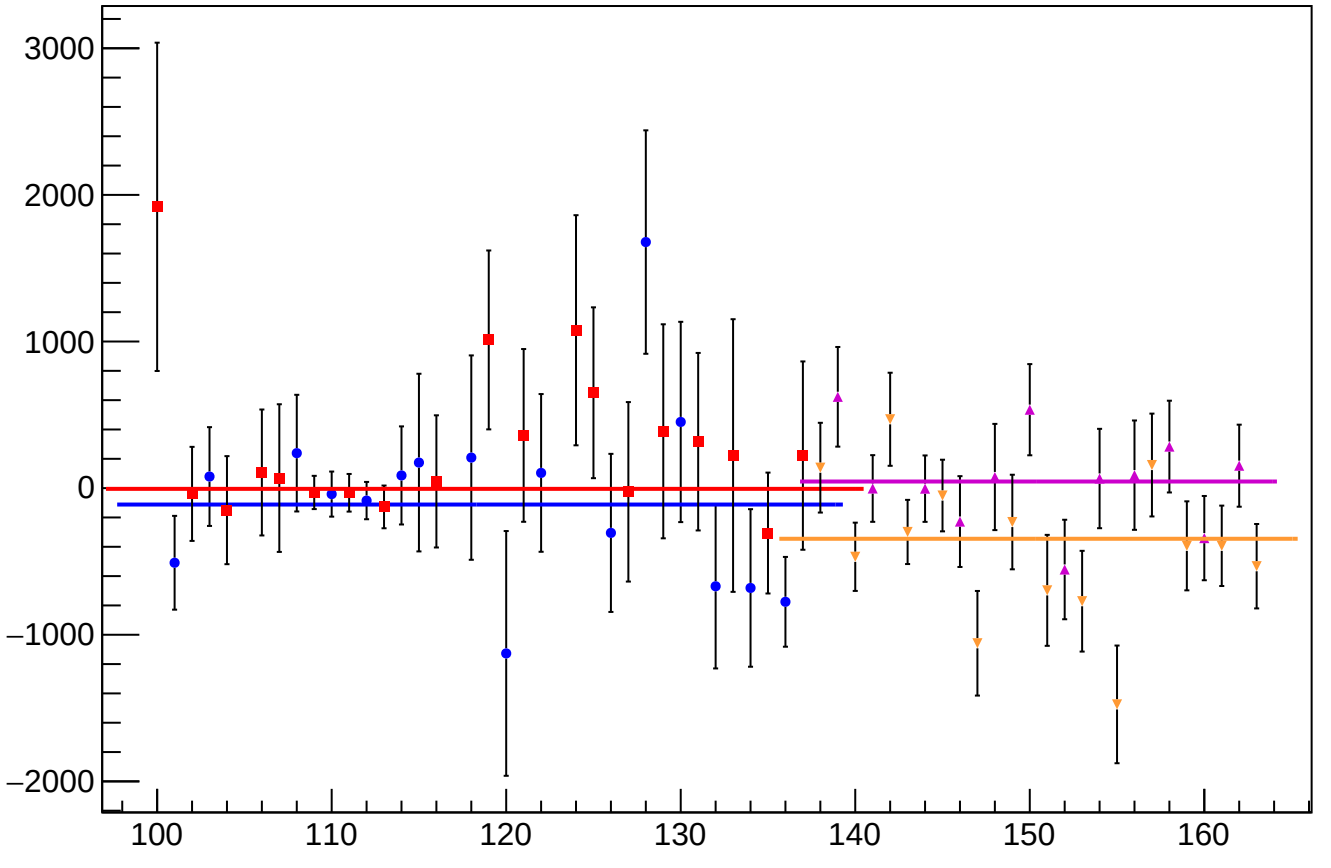
Left: 56.408+/-0.009 χ^2/NDF: 41034.4/25

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.193+/-0.010 χ^2/NDF:329673.8/27

Out: 58.577+/-0.010 χ^2/NDF:393451.3/32

All: 58.389+/-0.007 χ^2/NDF: 723898.7/60



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -345.353+/-79.015 χ^2/NDF:27.9/13

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 45.153+/-85.888 χ^2/NDF:11.9/11

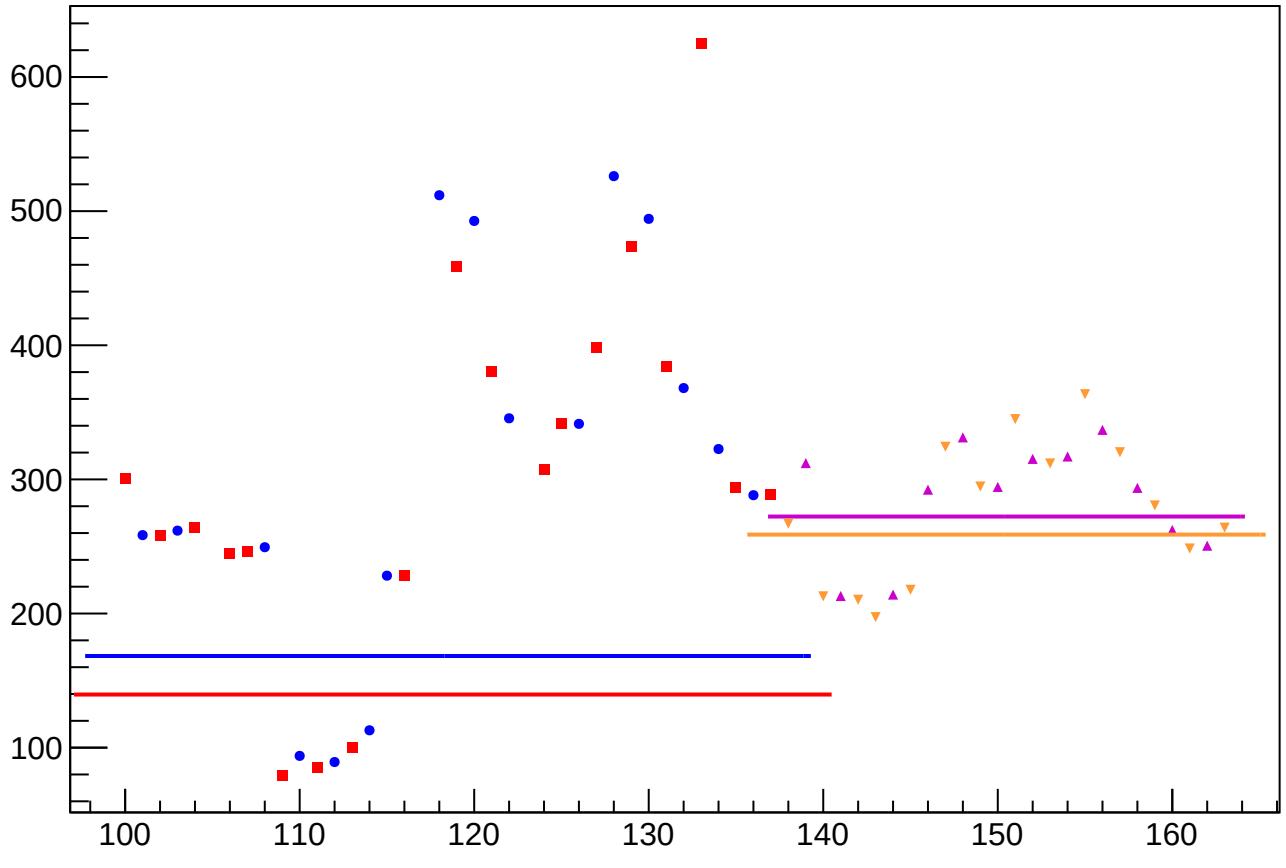
Left: -166.348+/-58.150 χ^2/NDF: 51.0/25

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -42.706+/-57.006 χ^2/NDF:32.3/27

Out: -139.597+/-49.701 χ^2/NDF:50.7/32

All: -97.753+/-37.462 χ^2/NDF: 84.6/60



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 258.843+/-0.056 χ^2/NDF:795666.1/13

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 272.310+/-0.061 χ^2/NDF:517694.5/11

Left: 265.016+/-0.041 χ^2/NDF: 1339992.2/25

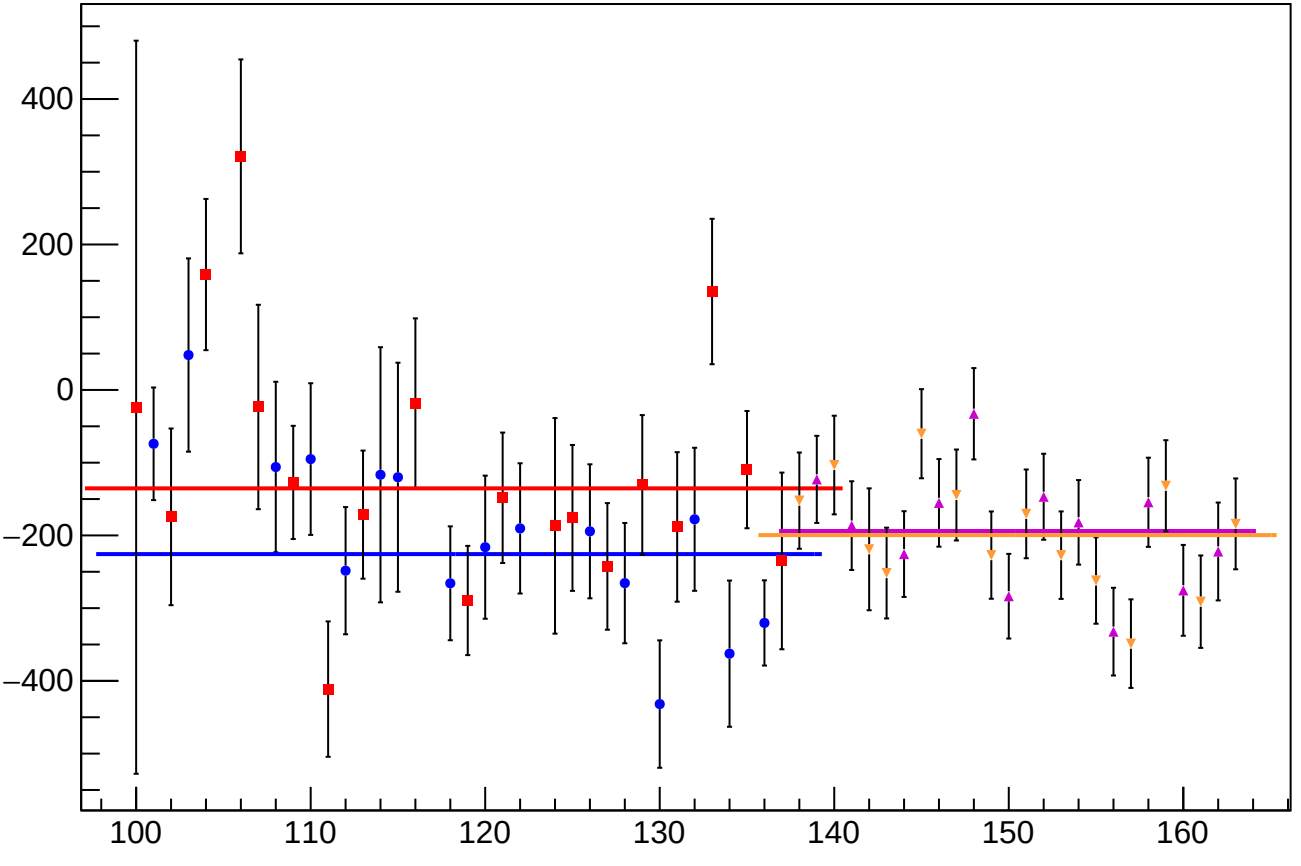
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 214.135+/-0.040 χ^2/NDF:6701760.0/27

Out: 186.775+/-0.035 χ^2/NDF:8702851.5/32

All: 198.591+/-0.026 χ^2/NDF: 15666365.2/60

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -193.924+/-17.512 χ^2/NDF:19.3/11

Left: -196.841+/-12.161 χ^2/NDF: 39.7/25

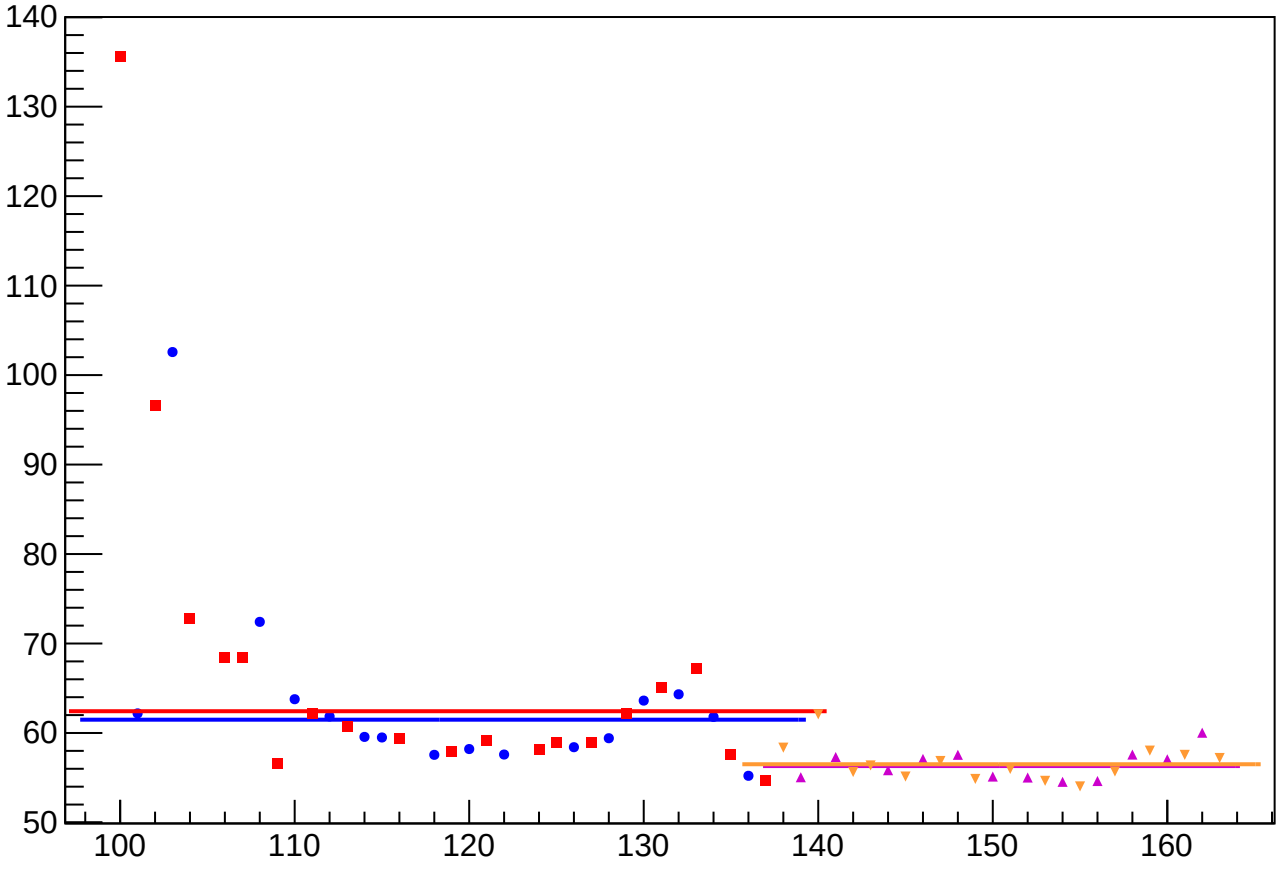
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -205.507+/-13.959 χ^2/NDF:43.1/27

Out: -177.291+/-13.661 χ^2/NDF:70.2/32

All: -191.094+/-9.763 χ^2/NDF: 115.4/60

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.303+/-0.012 χ^2/NDF:15134.7/11

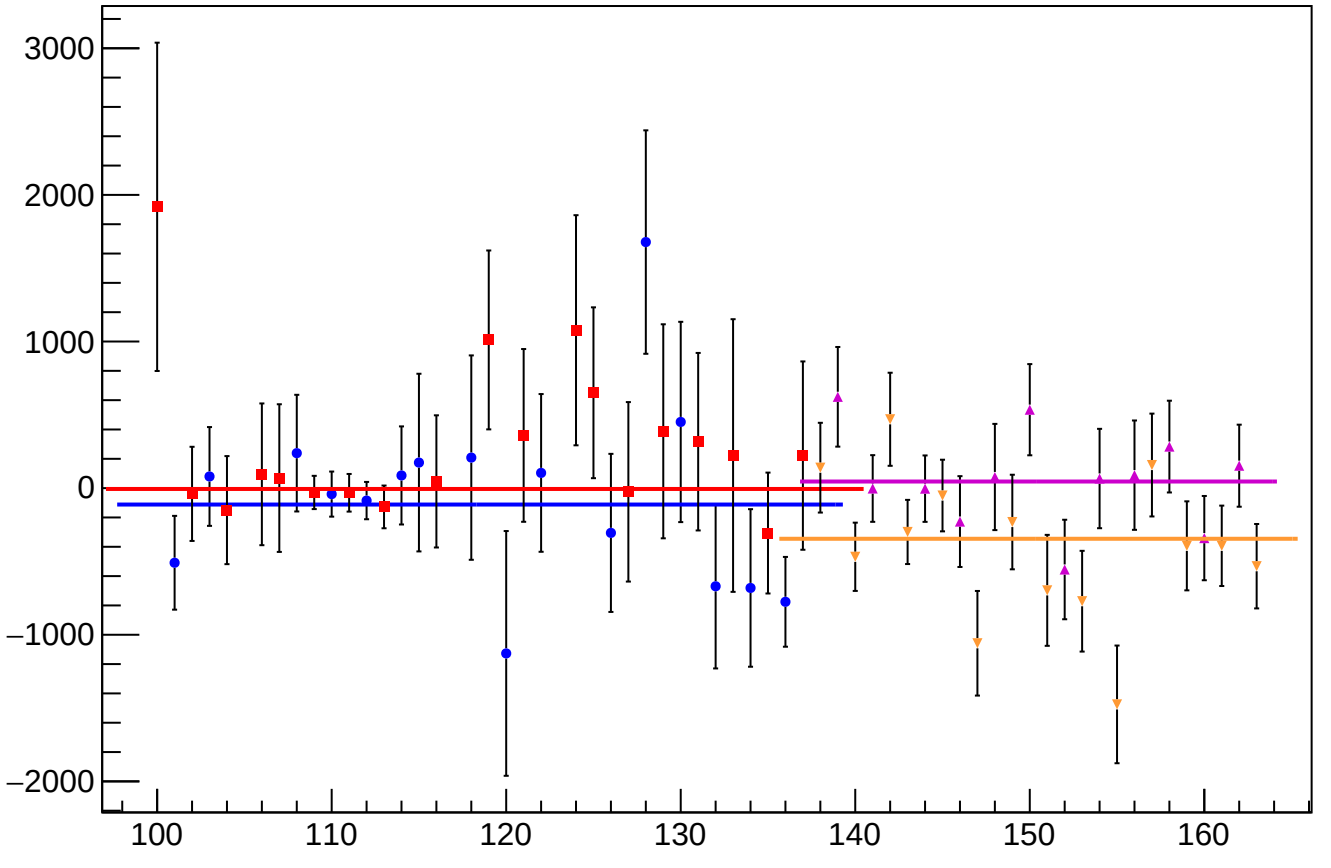
Left: 56.408+/-0.009 χ^2/NDF: 41034.4/25

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.193+/-0.010 χ^2/NDF:329676.4/27

Out: 58.560+/-0.010 χ^2/NDF:390402.8/32

All: 58.380+/-0.007 χ^2/NDF: 720787.7/60



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 45.148+/-85.888 χ^2/NDF:11.9/11

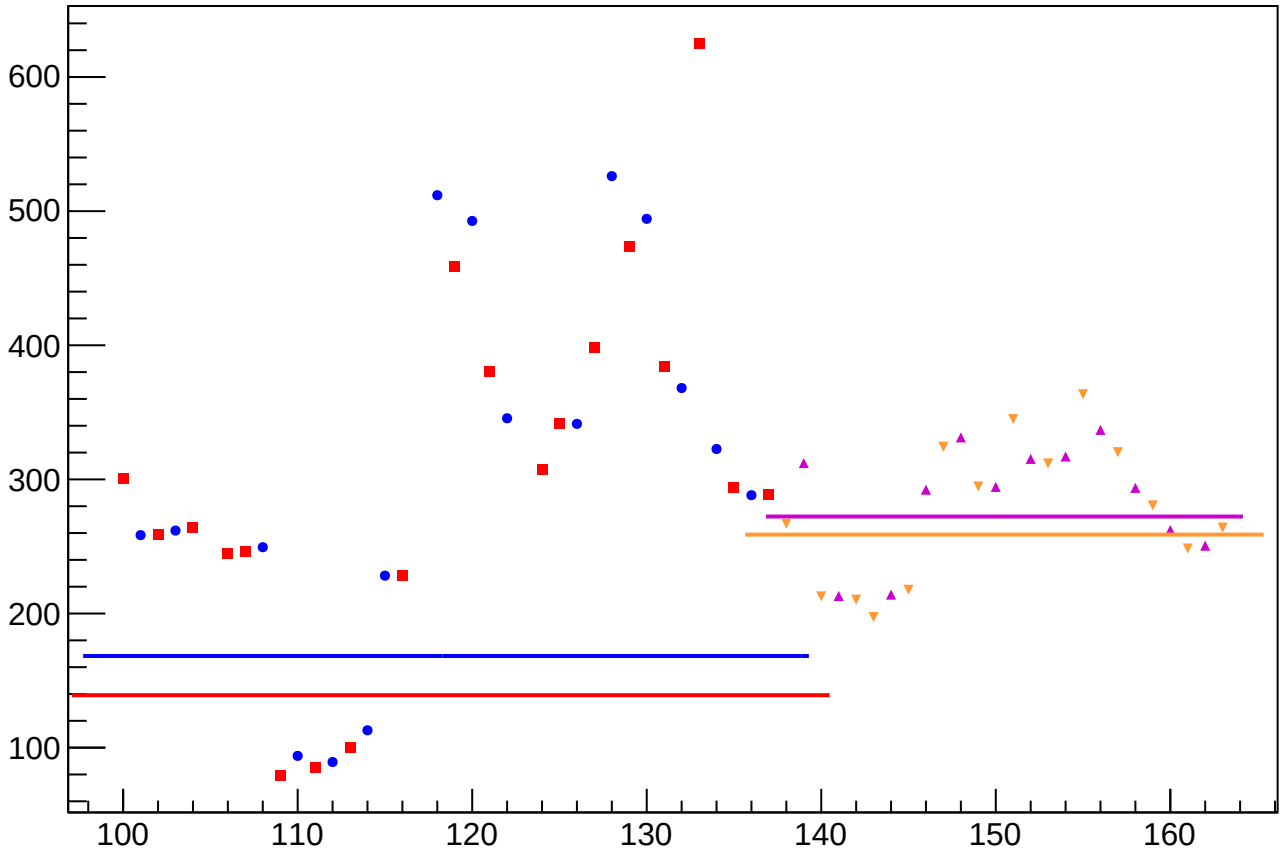
Left: -166.349+/-58.150 χ^2/NDF: 51.0/25

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -42.698+/-57.006 χ^2/NDF:32.3/27

Out: -140.419+/-49.772 χ^2/NDF:50.6/32

All: -98.148+/-37.493 χ^2/NDF: 84.5/60



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 272.310+/-0.061 χ^2/NDF:517692.6/11

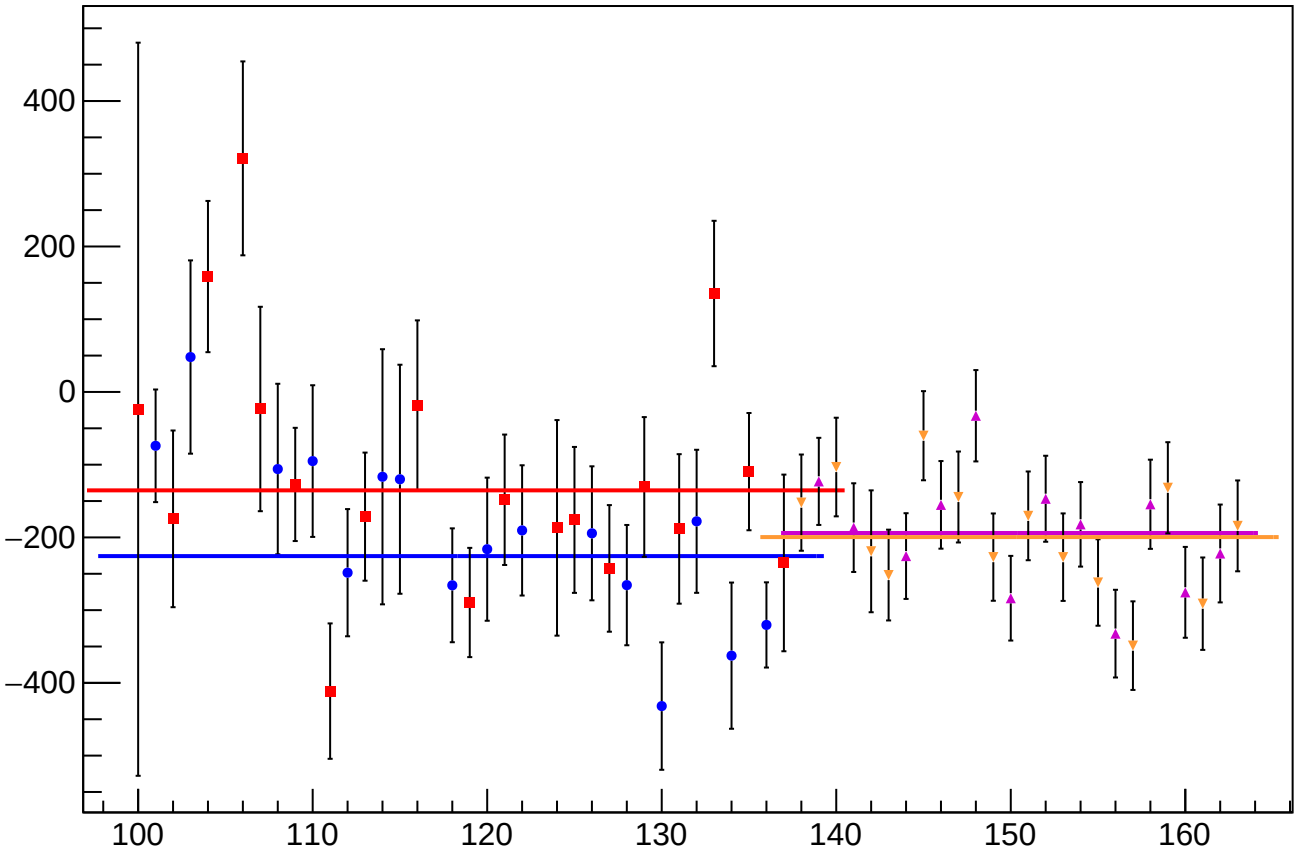
Left: 265.016+/-0.041 χ^2/NDF: 1339996.1/25

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 214.136+/-0.040 χ^2/NDF:6701798.3/27

Out: 186.616+/-0.035 χ^2/NDF:8696098.3/32

All: 198.520+/-0.027 χ^2/NDF: 15662385.8/60



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -199.557+/-16.899 χ^2/NDF:20.3/13

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -193.924+/-17.512 χ^2/NDF:19.3/11

Left: -196.841+/-12.161 χ^2/NDF: 39.7/25

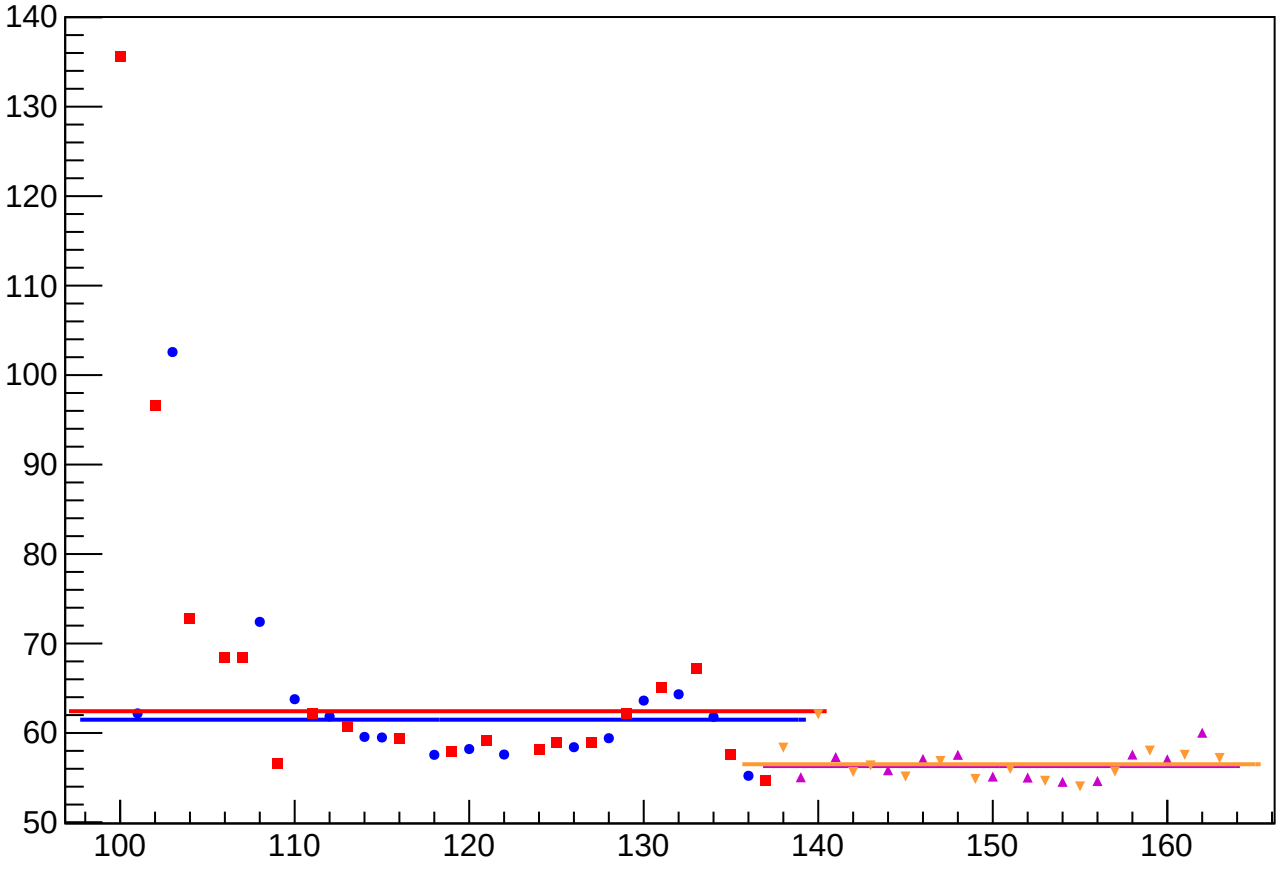
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -205.507+/-13.959 χ^2/NDF:43.1/27

Out: -177.291+/-13.661 χ^2/NDF:70.2/32

All: -191.094+/-9.763 χ^2/NDF: 115.4/60

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.507+/-0.012 χ^2/NDF:25759.9/13

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.303+/-0.012 χ^2/NDF:15134.7/11

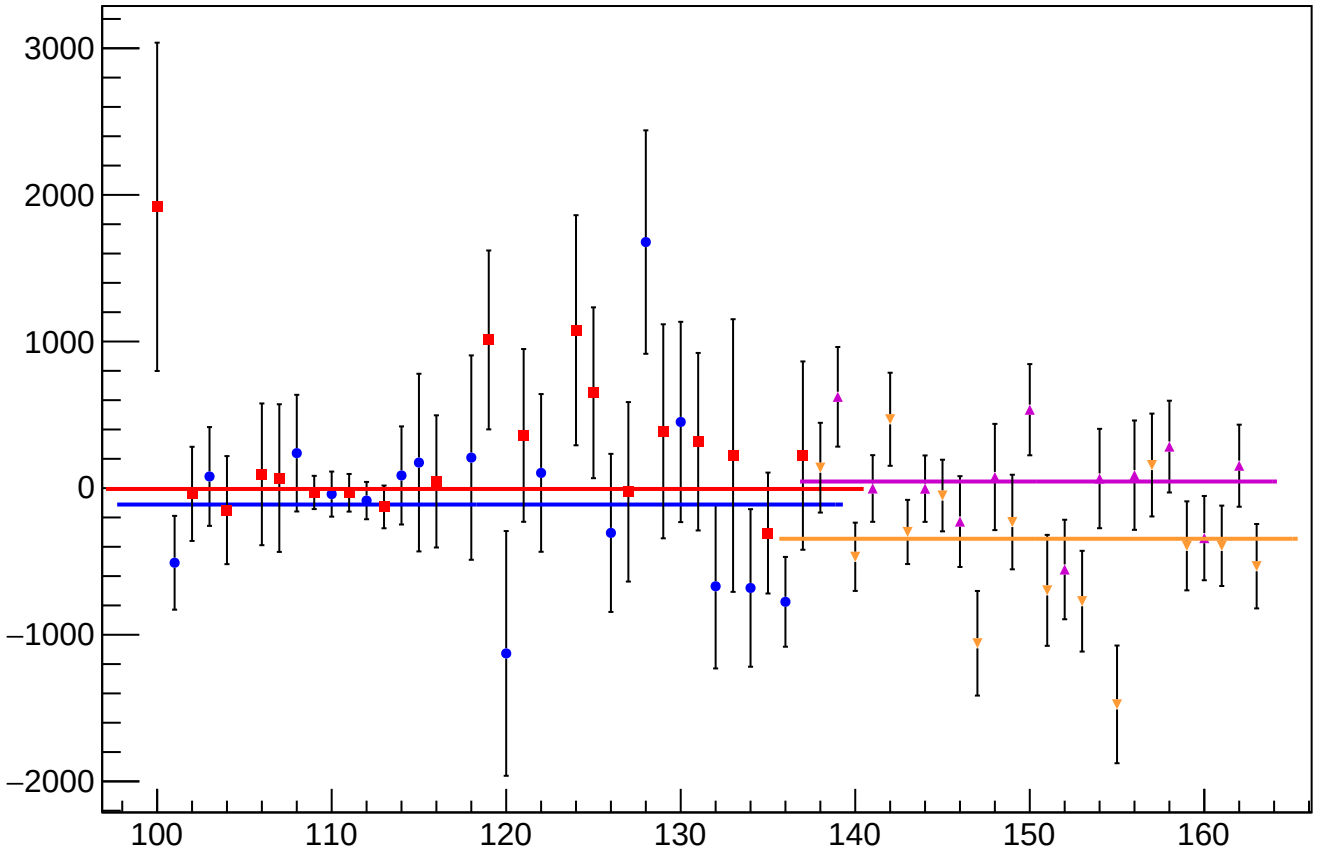
Left: 56.408+/-0.009 χ^2/NDF: 41034.4/25

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.193+/-0.010 χ^2/NDF:329676.4/27

Out: 58.560+/-0.010 χ^2/NDF:390402.8/32

All: 58.380+/-0.007 χ^2/NDF: 720787.7/60



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -345.350+/-79.015 χ^2/NDF:27.9/13

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 45.148+/-85.888 χ^2/NDF:11.9/11

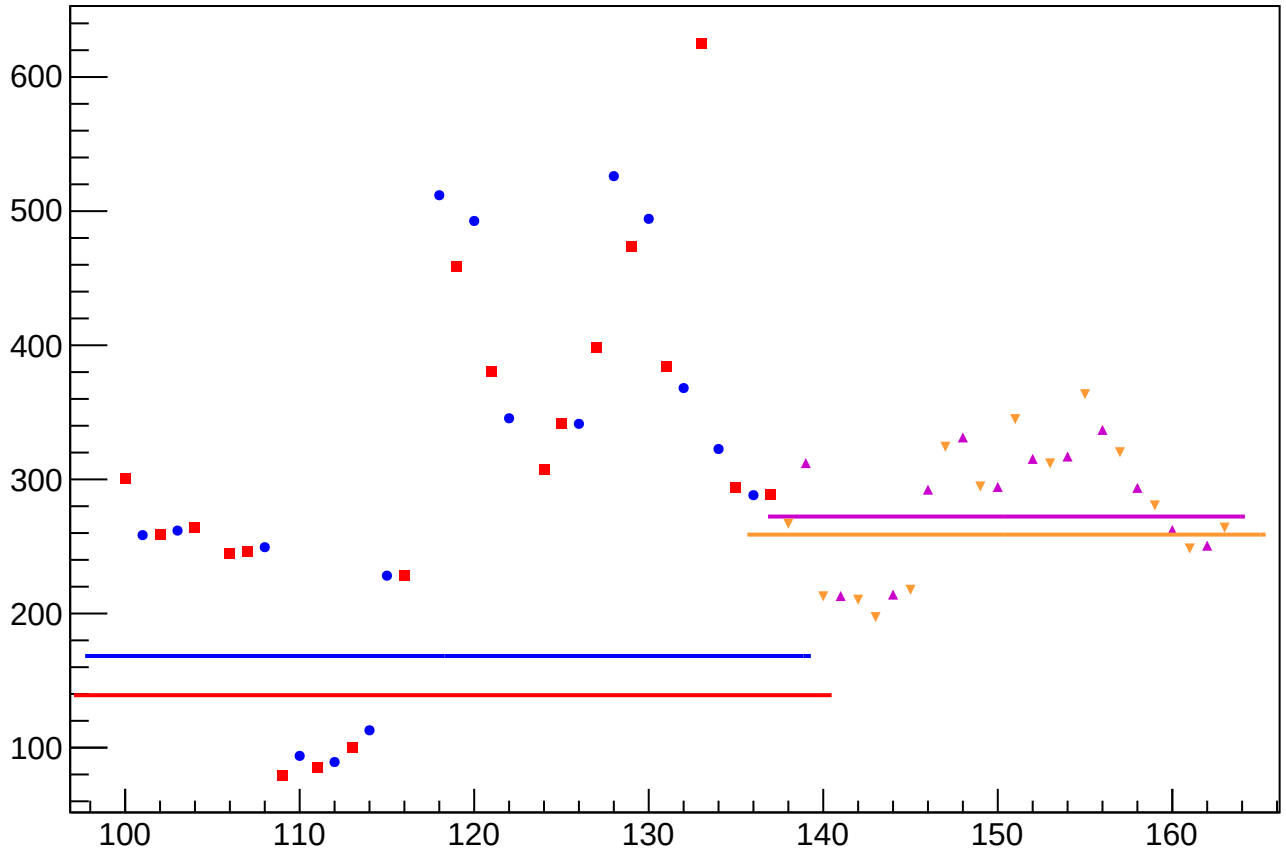
Left: -166.349+/-58.150 χ^2/NDF: 51.0/25

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -42.698+/-57.006 χ^2/NDF:32.3/27

Out: -140.419+/-49.772 χ^2/NDF:50.6/32

All: -98.148+/-37.493 χ^2/NDF: 84.5/60



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 258.842+/-0.056 χ^2/NDF:795670.7/13

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 272.310+/-0.061 χ^2/NDF:517692.6/11

Left: 265.016+/-0.041 χ^2/NDF: 1339996.1/25

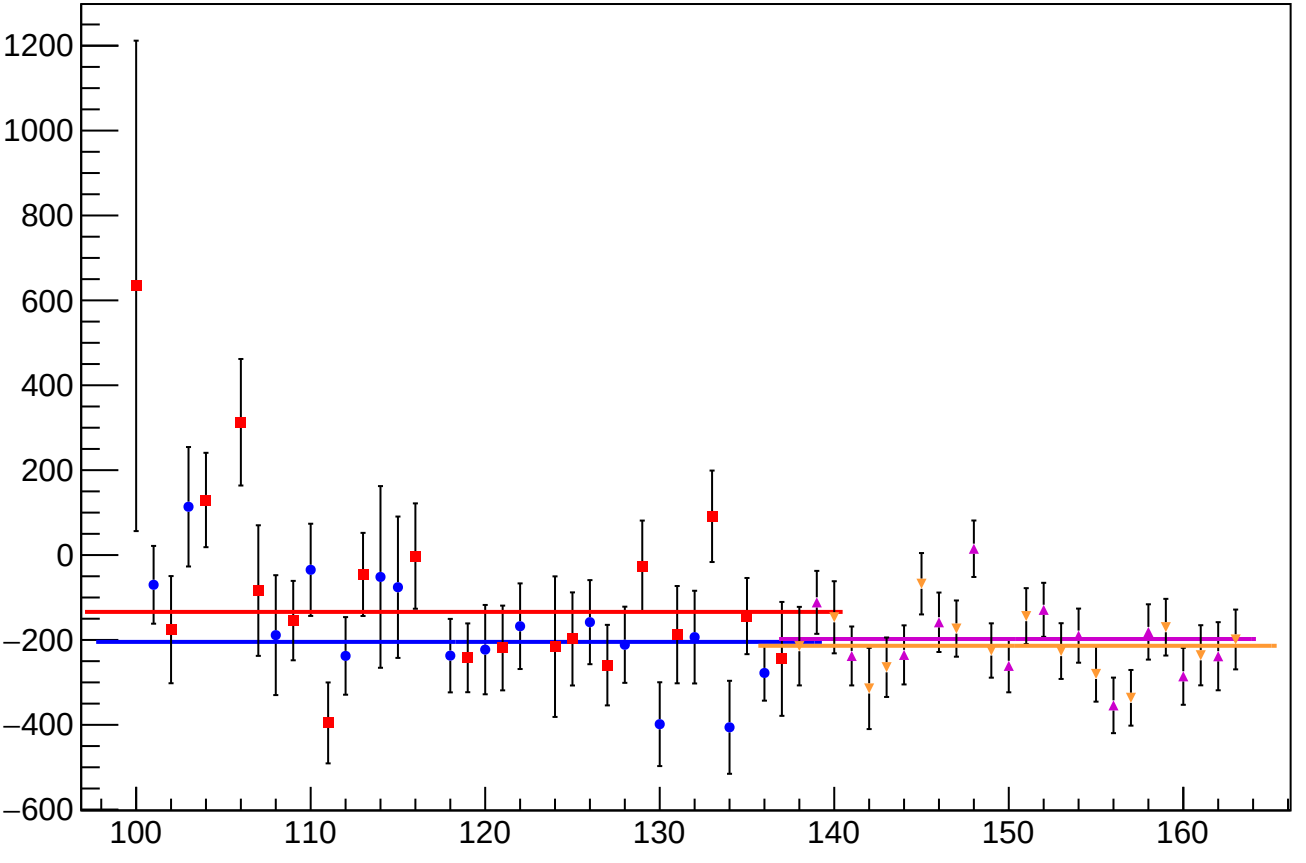
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 214.136+/-0.040 χ^2/NDF:6701798.3/27

Out: 186.616+/-0.035 χ^2/NDF:8696098.3/32

All: 198.520+/-0.027 χ^2/NDF: 15662385.8/60

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.771+/-18.945 χ^2/NDF:13.0/13

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -197.775+/-19.527 χ^2/NDF:22.5/11

Left: -206.015+/-13.597 χ^2/NDF: 35.8/25

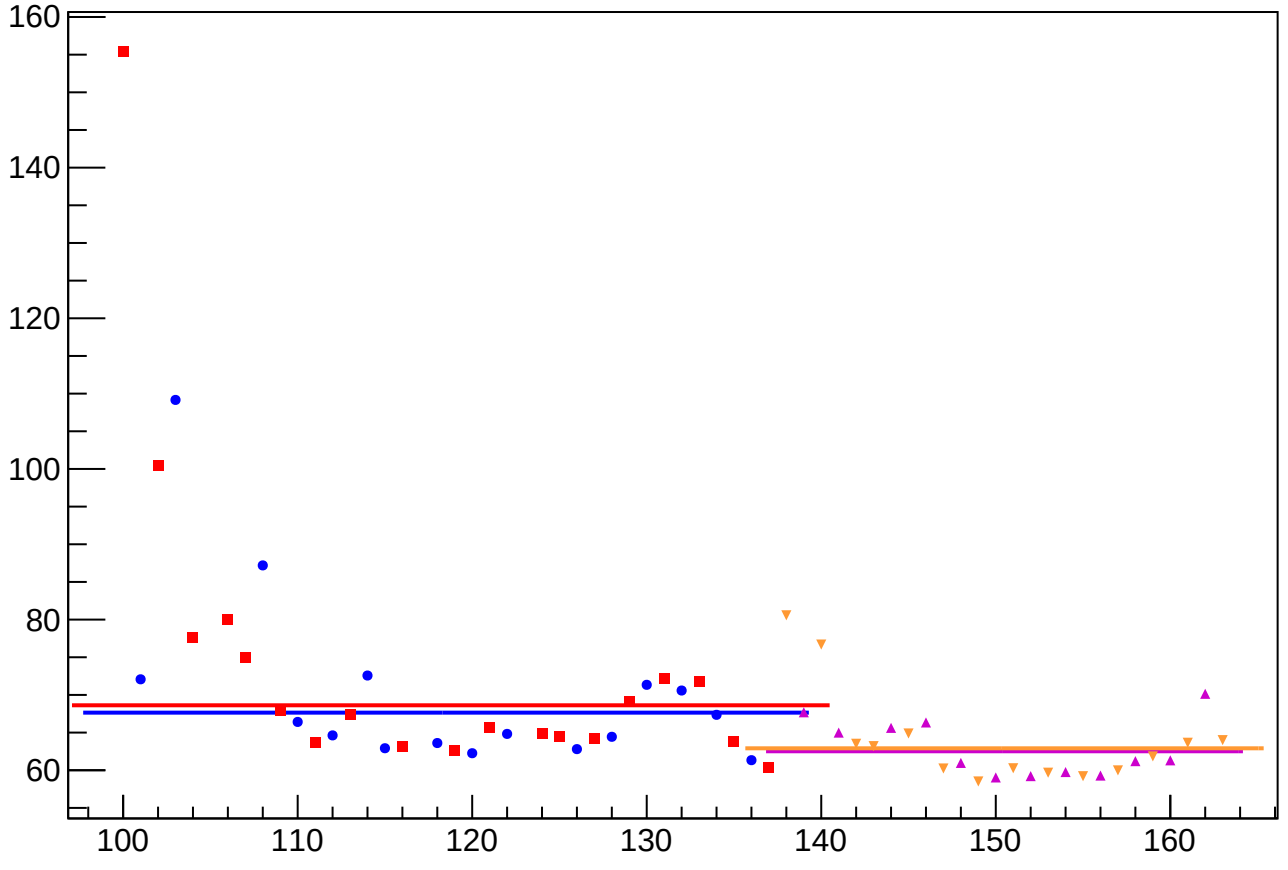
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -200.287+/-15.509 χ^2/NDF:42.5/27

Out: -185.349+/-15.204 χ^2/NDF:56.6/32

All: -192.670+/-10.857 χ^2/NDF: 99.5/60

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 62.913+/-0.013 χ^2/NDF:159504.1/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 62.519+/-0.014 χ^2/NDF:63056.0/11

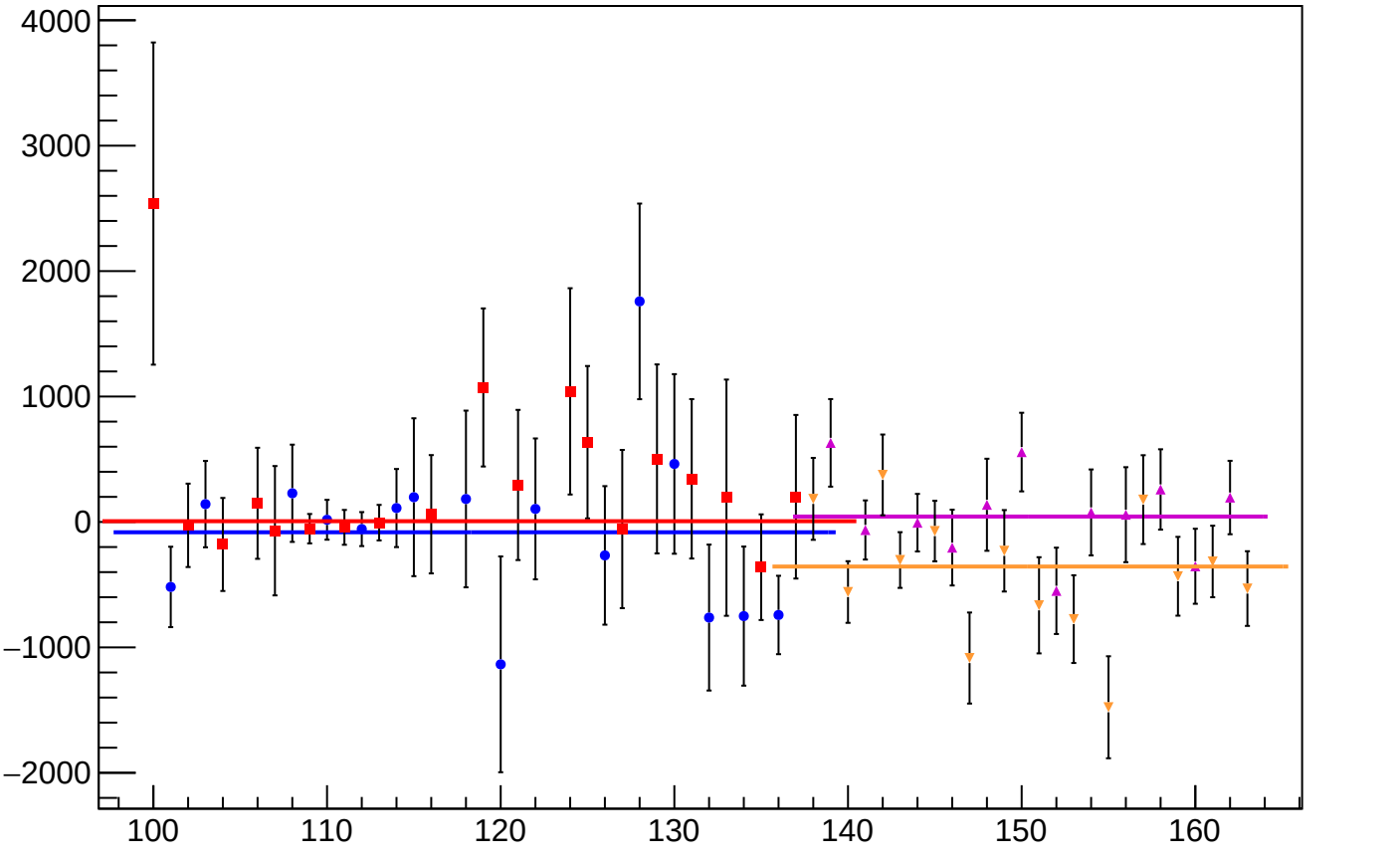
Left: 62.722+/-0.010 χ^2/NDF: 222979.9/25

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.413+/-0.011 χ^2/NDF:377658.4/27

Out: 64.946+/-0.011 χ^2/NDF:472354.6/32

All: 64.685+/-0.008 χ^2/NDF: 851219.6/60



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -355.566+/-80.886 χ^2/NDF:26.6/13

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 43.166+/-87.602 χ^2/NDF:12.0/11

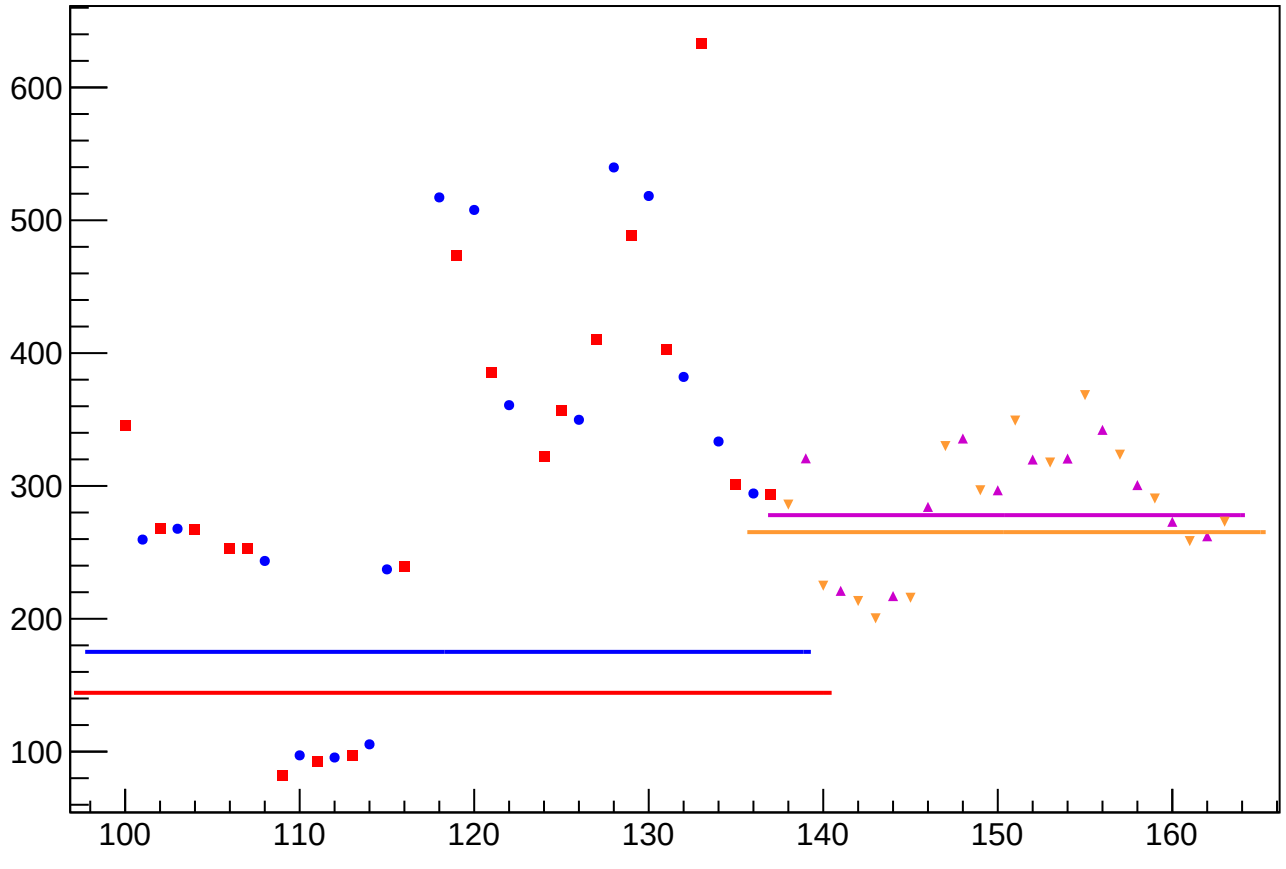
Left: -172.068+/-59.428 χ^2/NDF: 49.7/25

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -26.243+/-58.535 χ^2/NDF:32.3/27

Out: -138.238+/-51.095 χ^2/NDF:50.6/32

All: -89.806+/-38.493 χ^2/NDF: 85.0/60



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 265.234+/-0.057 χ^2/NDF:790239.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 278.022+/-0.062 χ^2/NDF:479859.8/11

Left: 271.119+/-0.042 χ^2/NDF: 1293104.7/25

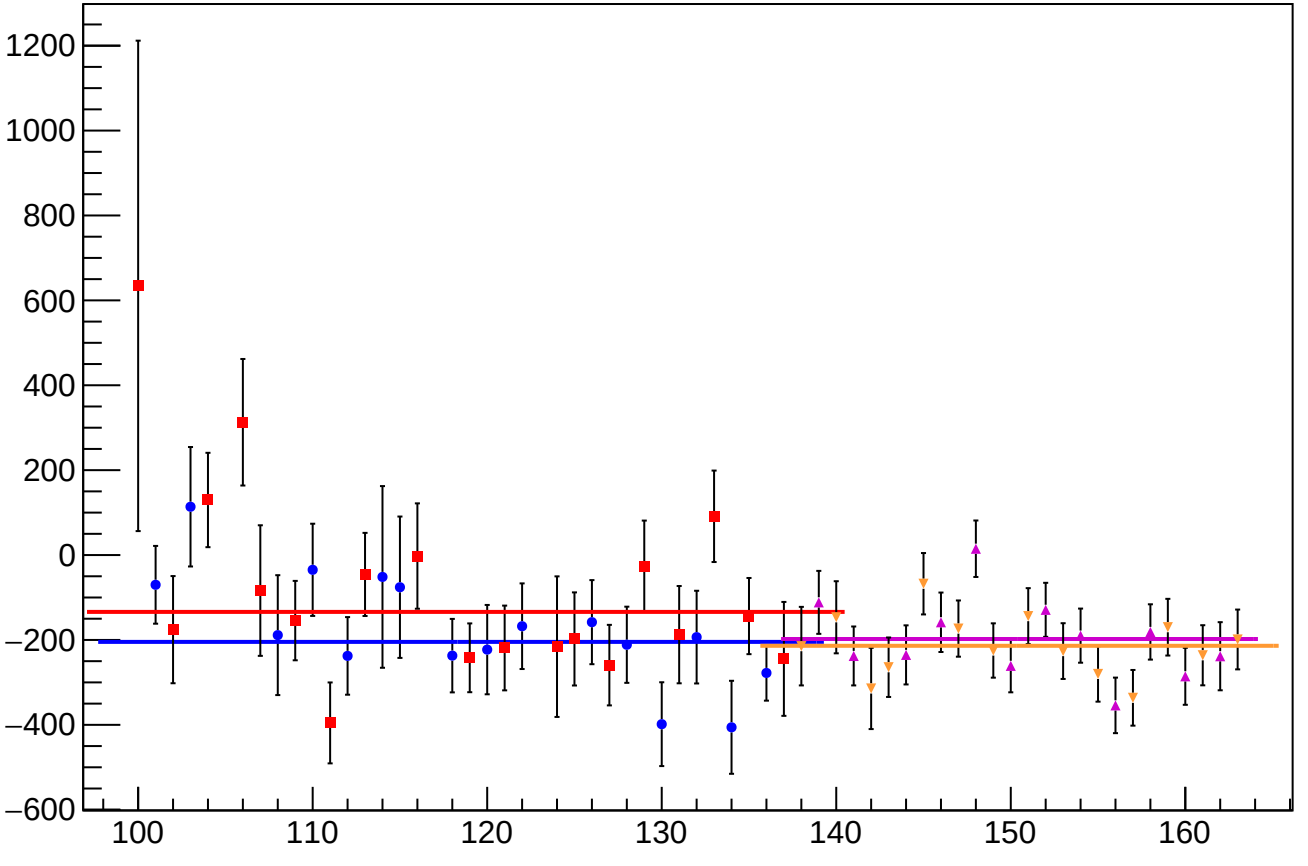
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 221.051+/-0.041 χ^2/NDF:6437051.7/27

Out: 192.542+/-0.036 χ^2/NDF:8610462.9/32

All: 204.871+/-0.027 χ^2/NDF: 15316777.8/60

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -213.770+/-18.945 χ^2/NDF:13.0/13

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -197.776+/-19.527 χ^2/NDF:22.5/11

Left: -206.015+/-13.597 χ^2/NDF: 35.8/25

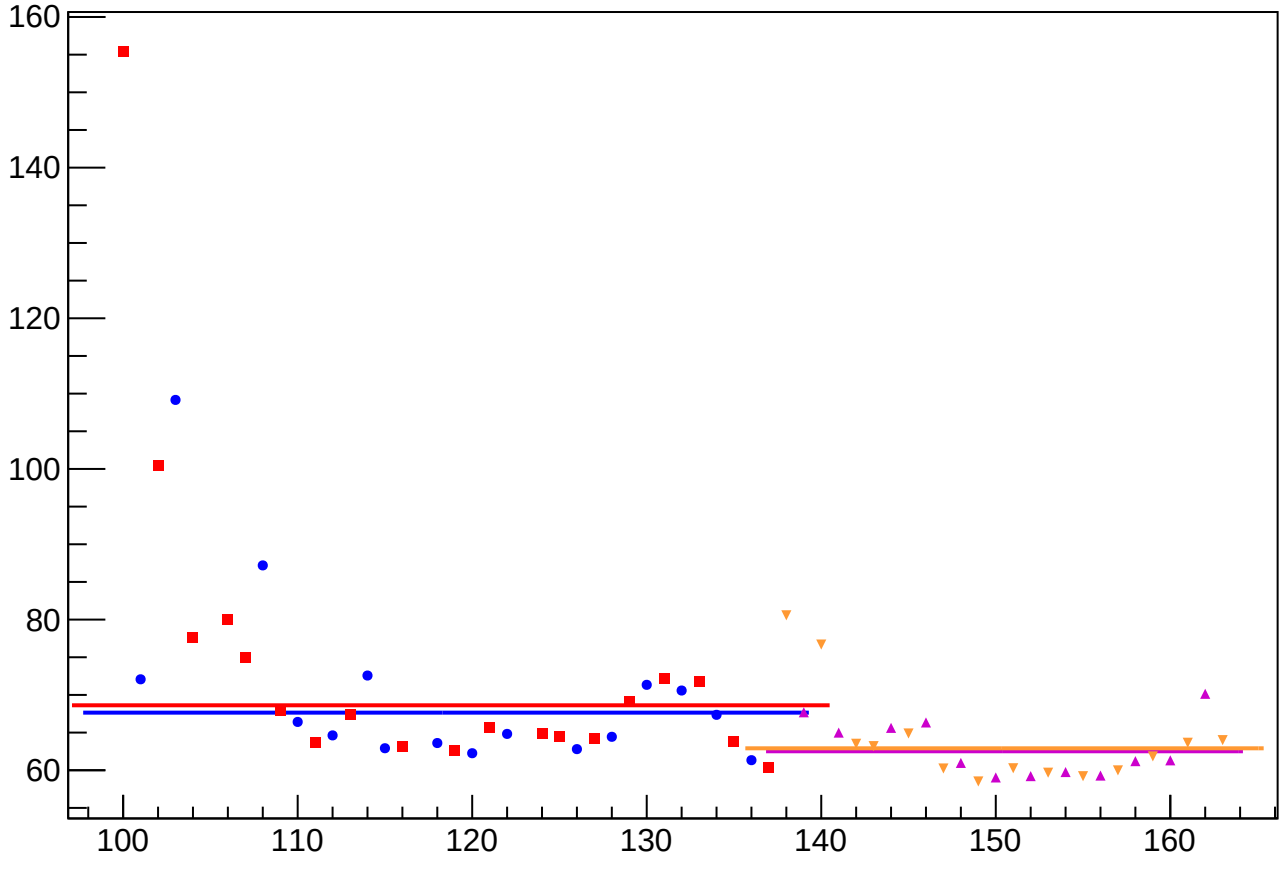
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -200.287+/-15.509 χ^2/NDF:42.5/27

Out: -185.349+/-15.204 χ^2/NDF:56.6/32

All: -192.670+/-10.857 χ^2/NDF: 99.5/60

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 62.913+/-0.013 χ^2/NDF:159503.0/13

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 62.519+/-0.014 χ^2/NDF:63056.4/11

Left: 62.722+/-0.010 χ^2/NDF: 222979.2/25

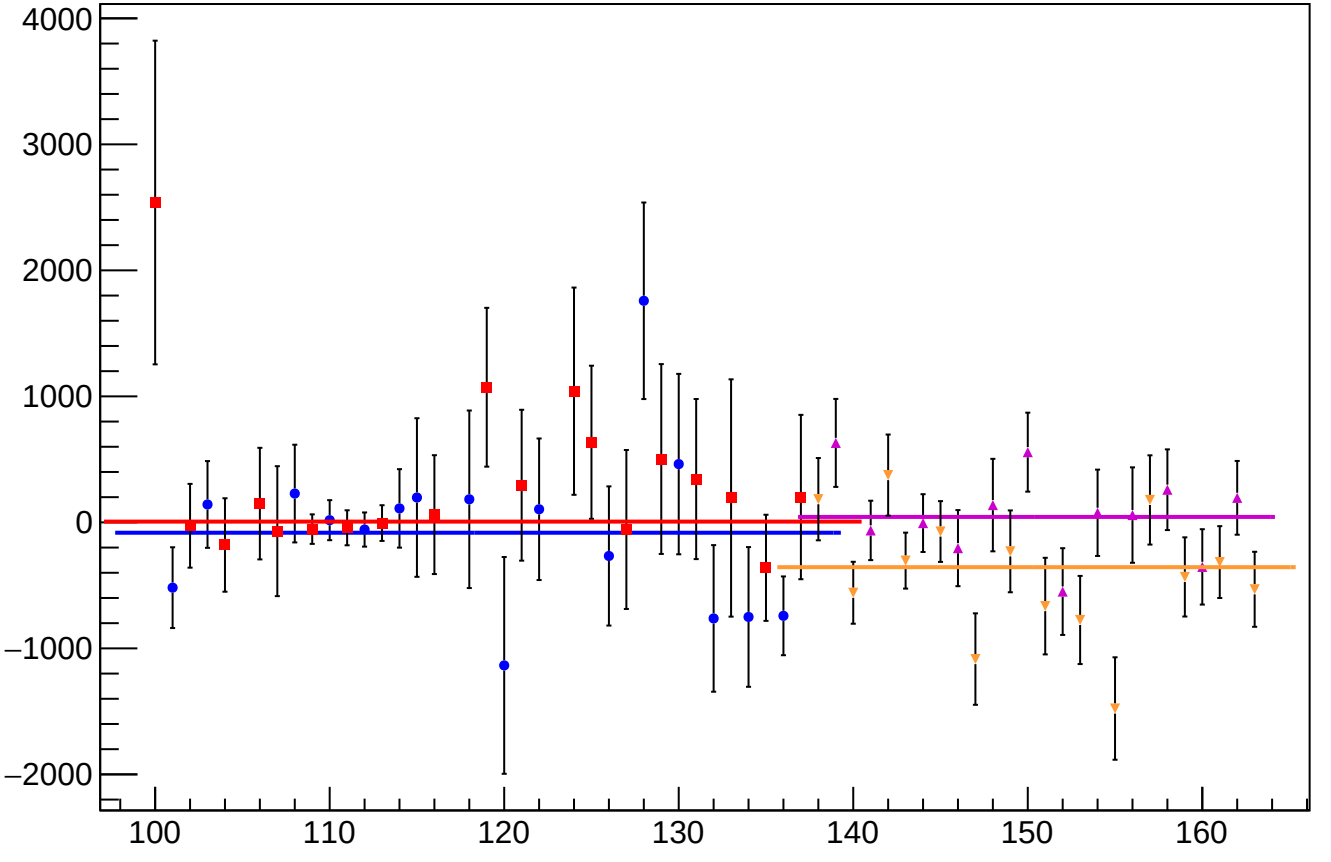
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.412+/-0.011 χ^2/NDF:377653.7/27

Out: 64.946+/-0.011 χ^2/NDF:472349.4/32

All: 64.685+/-0.008 χ^2/NDF: 851209.7/60

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -355.565+/-80.886 χ^2/NDF:26.6/13

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 43.166+/-87.602 χ^2/NDF:12.0/11

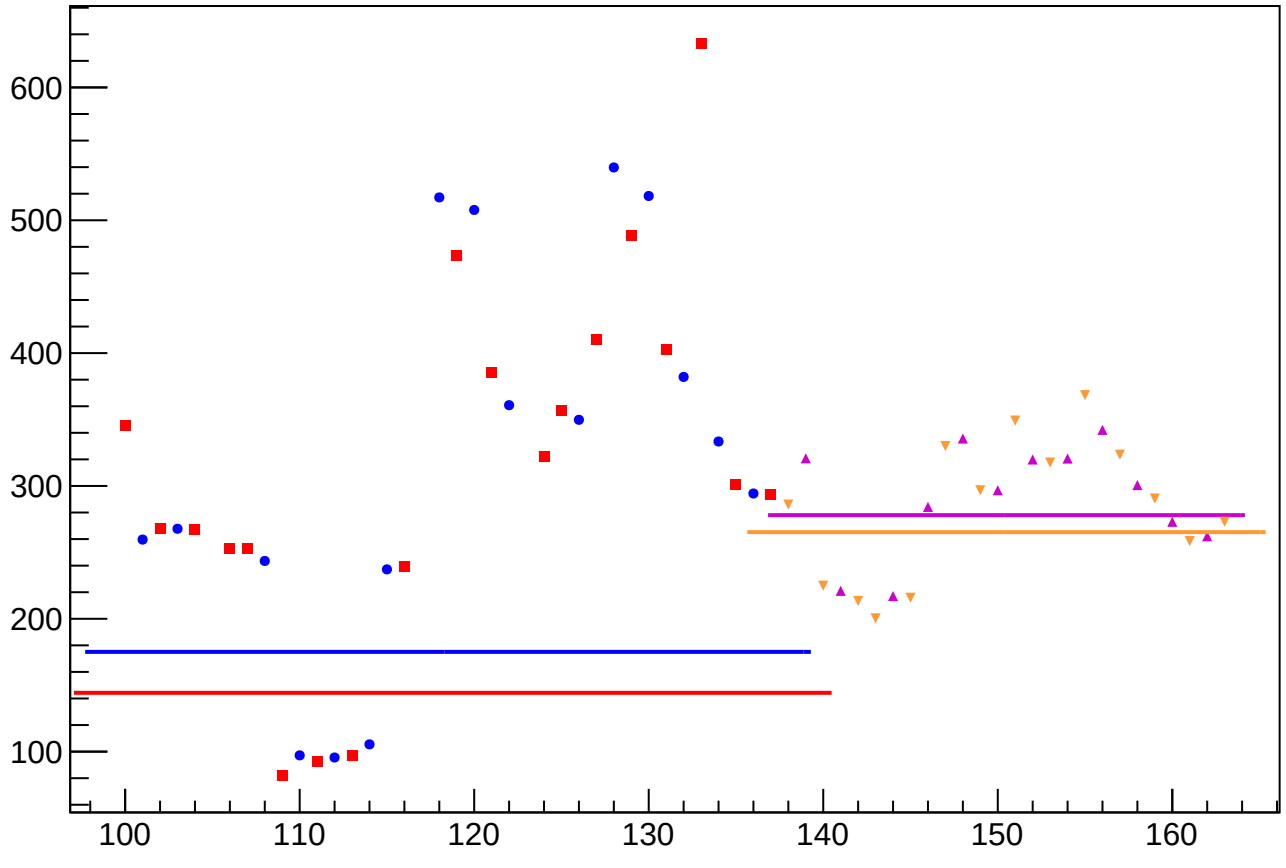
Left: -172.068+/-59.428 χ^2/NDF: 49.7/25

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -26.242+/-58.534 χ^2/NDF:32.3/27

Out: -138.238+/-51.095 χ^2/NDF:50.6/32

All: -89.806+/-38.493 χ^2/NDF: 85.0/60



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 265.232+/-0.057 χ^2/NDF:790247.4/13

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 278.021+/-0.062 χ^2/NDF:479861.1/11

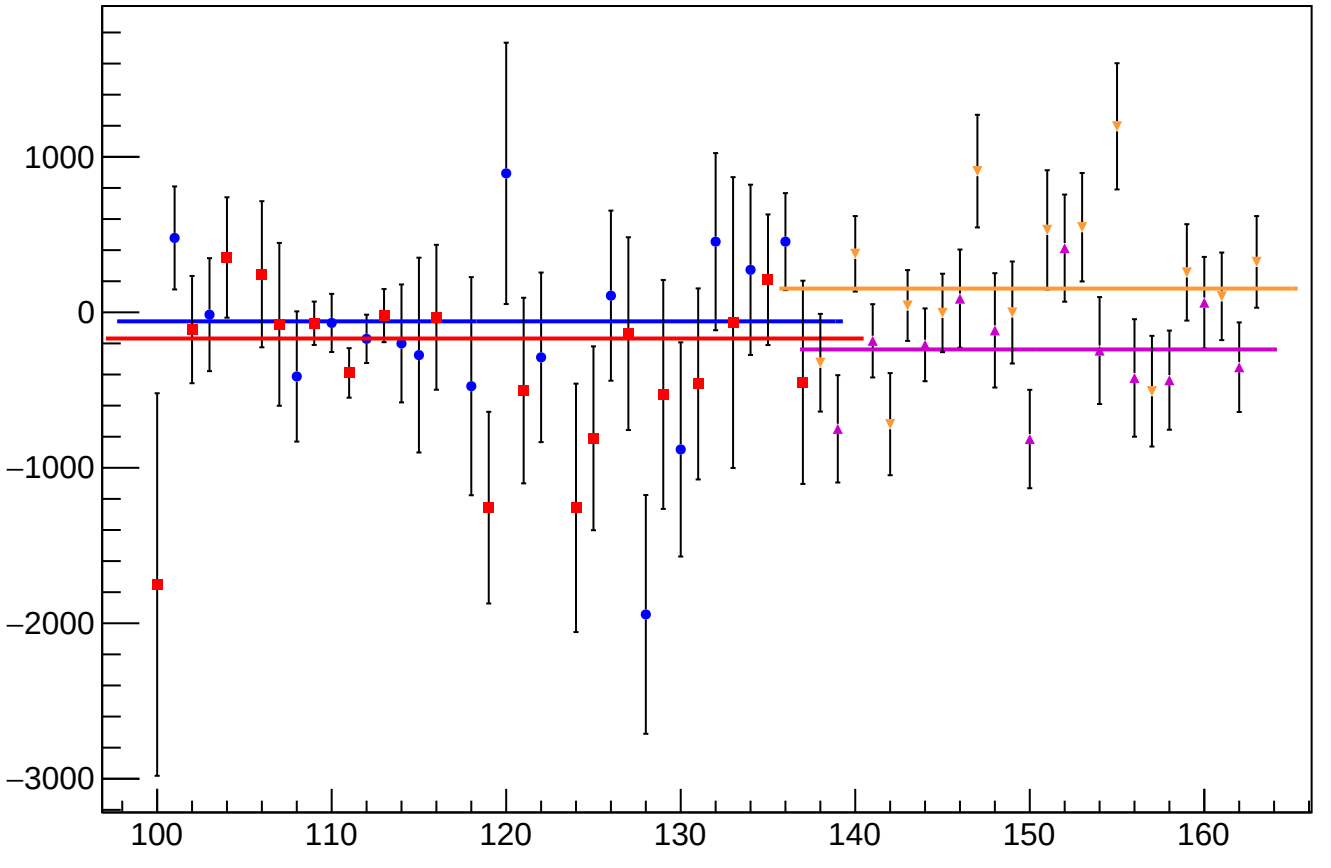
Left: 271.118+/-0.042 χ^2/NDF: 1293114.8/25

Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 221.050+/-0.041 χ^2/NDF:6437102.6/27

Out: 192.541+/-0.036 χ^2/NDF:8610433.7/32

All: 204.870+/-0.027 χ^2/NDF: 15316787.0/60



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 152.866+/-81.168 χ^2/NDF:28.2/13

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -238.759+/-87.917 χ^2/NDF:12.2/11

Left: -27.339+/-59.638 χ^2/NDF: 51.0/25

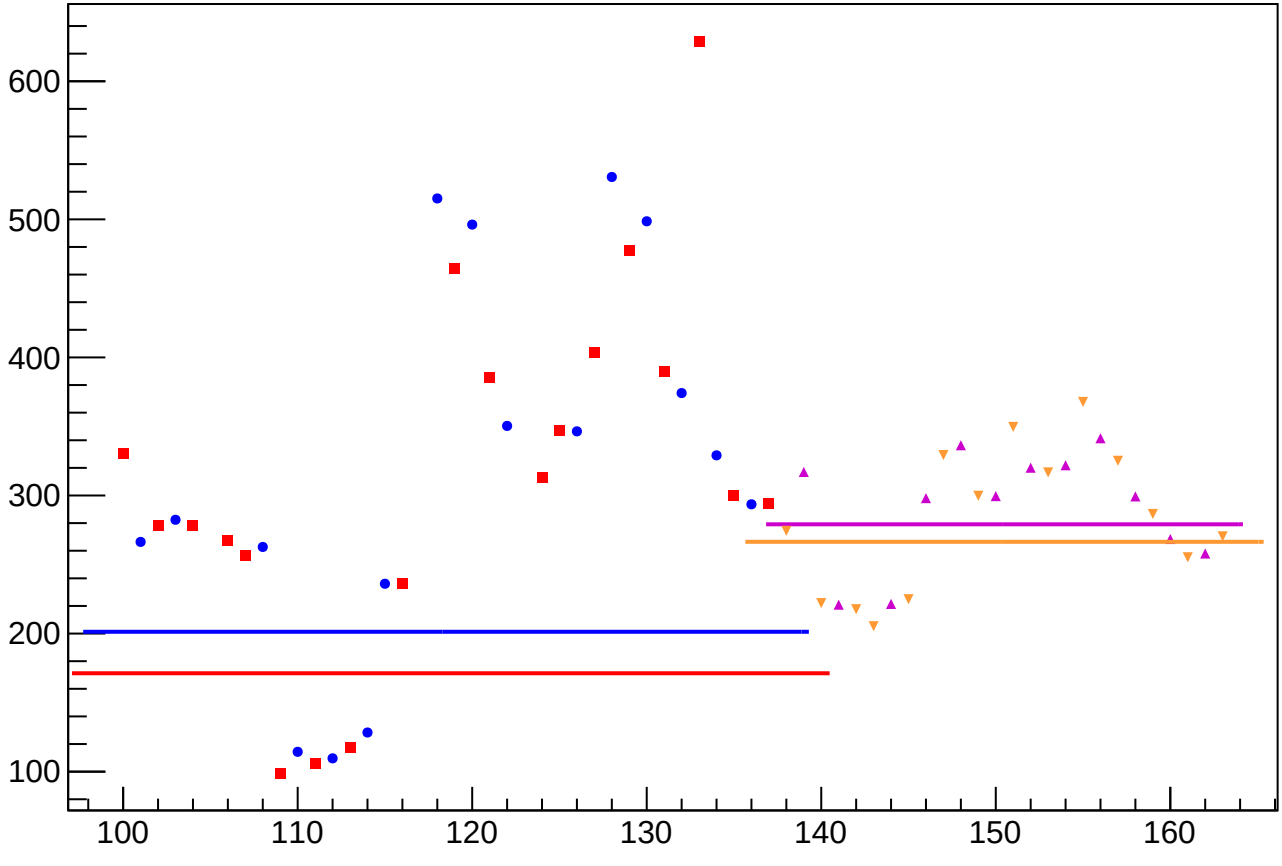
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -147.303+/-61.801 χ^2/NDF:31.7/27

Out: -21.251+/-54.925 χ^2/NDF:52.2/32

All: -76.877+/-41.054 χ^2/NDF: 86.2/60

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.457+/-0.057 χ^2/NDF:718327.9/13

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 279.142+/-0.062 χ^2/NDF:466501.7/11

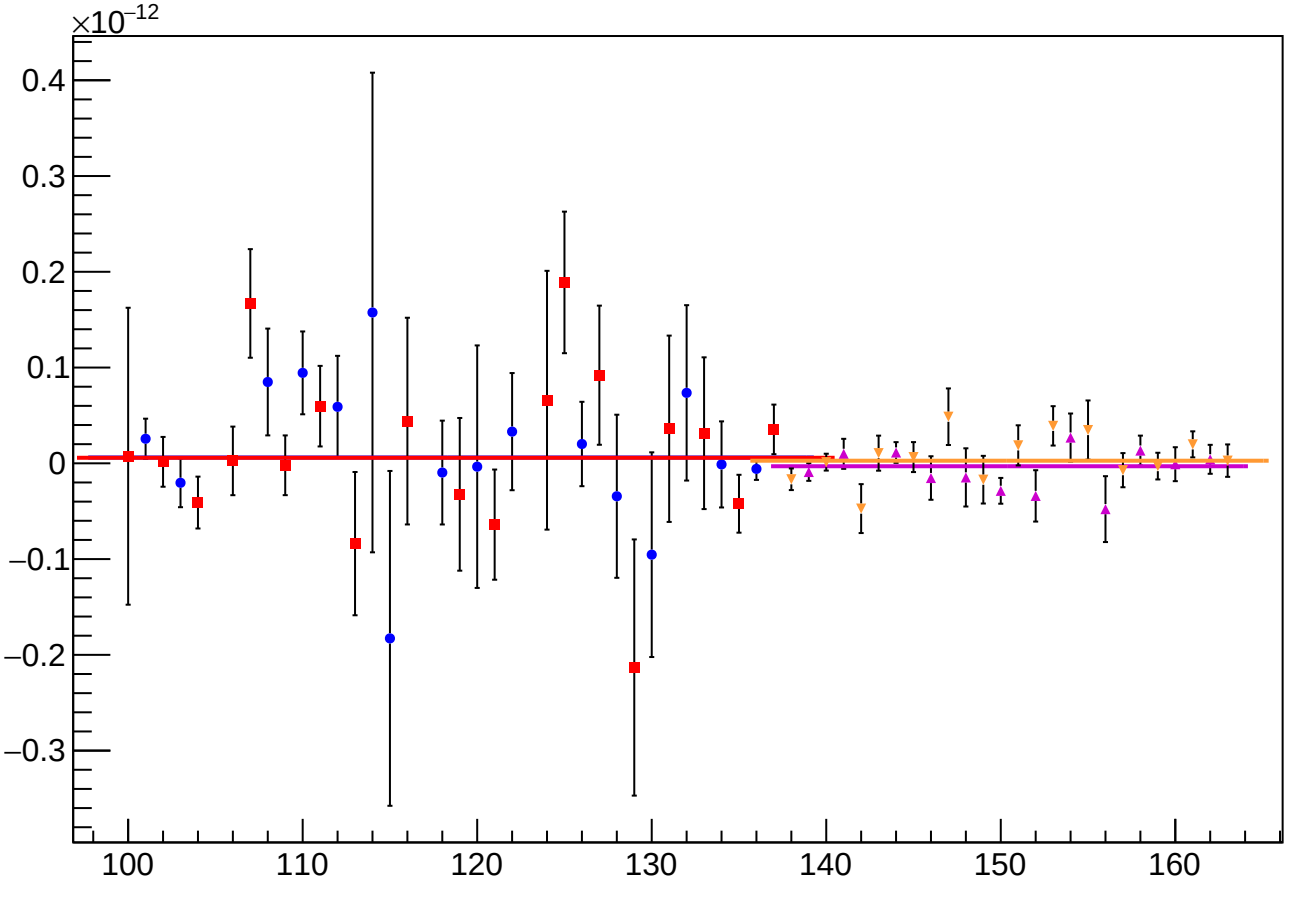
Left: 272.294+/-0.042 χ^2/NDF: 1207305.1/25

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 239.764+/-0.044 χ^2/NDF:4831815.0/27

Out: 214.846+/-0.039 χ^2/NDF:6402541.9/32

All: 225.842+/-0.029 χ^2/NDF: 11416022.8/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/11

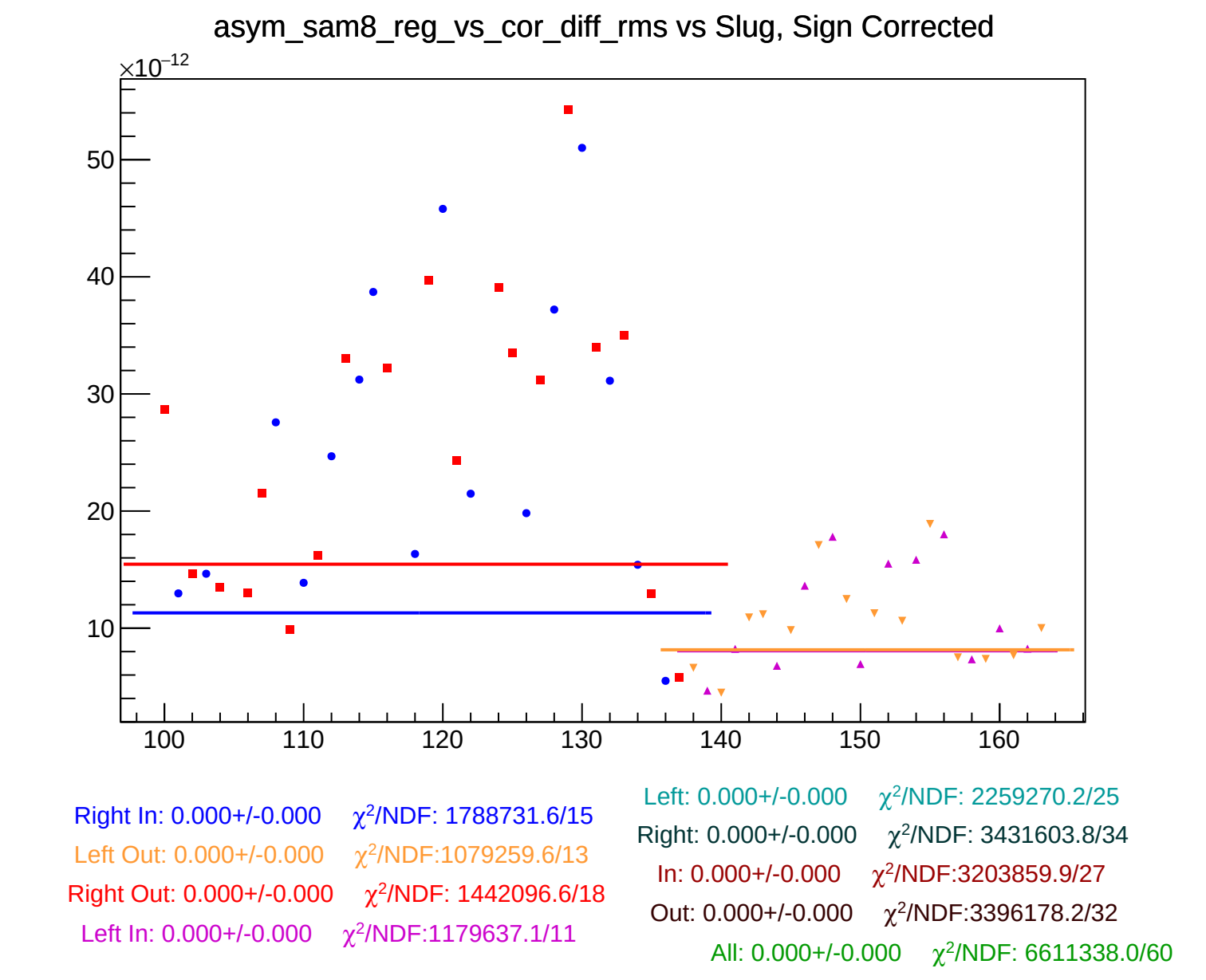
Left: 0.000+/-0.000 χ^2/NDF: 30.5/25

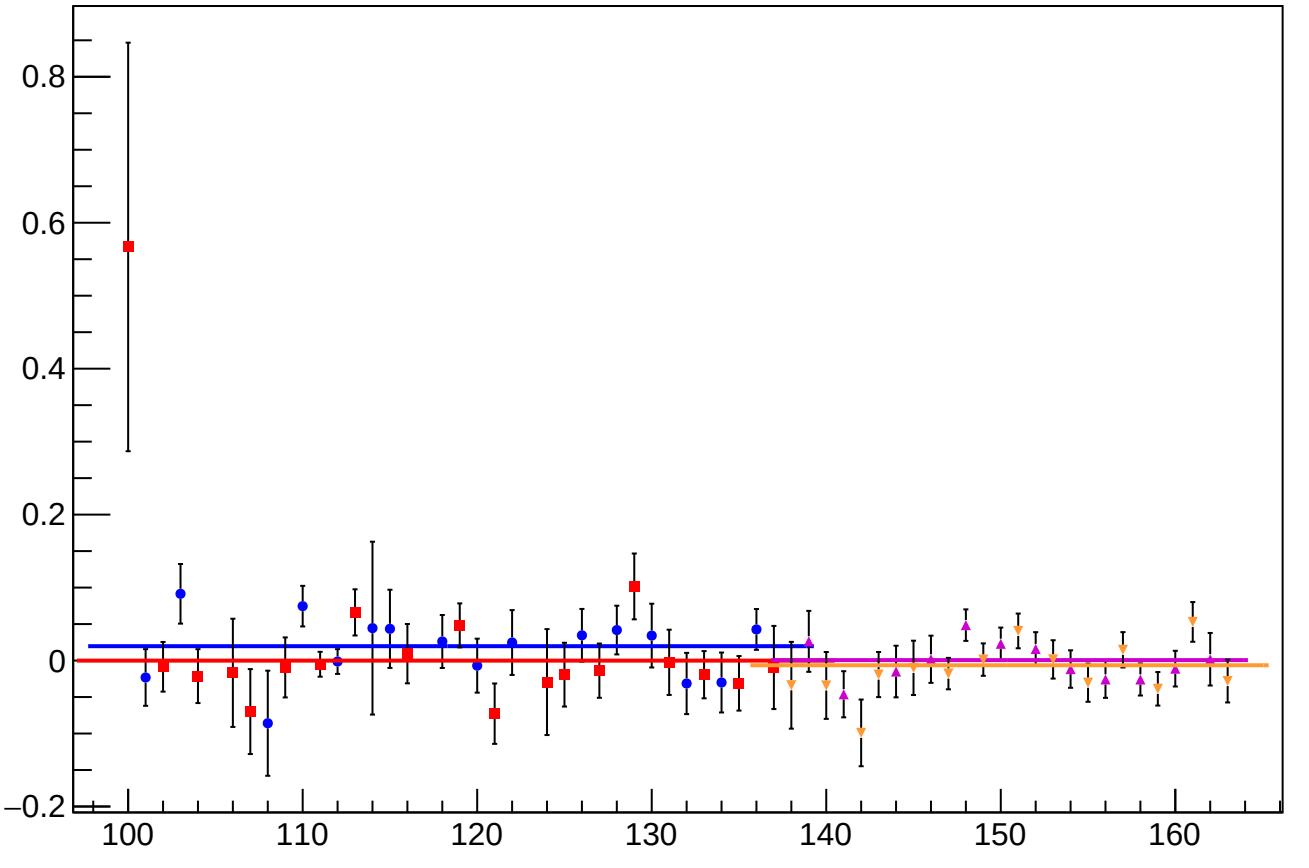
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/27

Out: 0.000+/-0.000 χ^2/NDF:47.5/32

All: 0.000+/-0.000 χ^2/NDF: 75.5/60


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1079259.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1179637.1/11
Left: 0.000+/-0.000 χ²/NDF: 2259270.2/25
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3203859.9/27
Out: 0.000+/-0.000 χ²/NDF:3396178.2/32
All: 0.000+/-0.000 χ²/NDF: 6611338.0/60



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/11

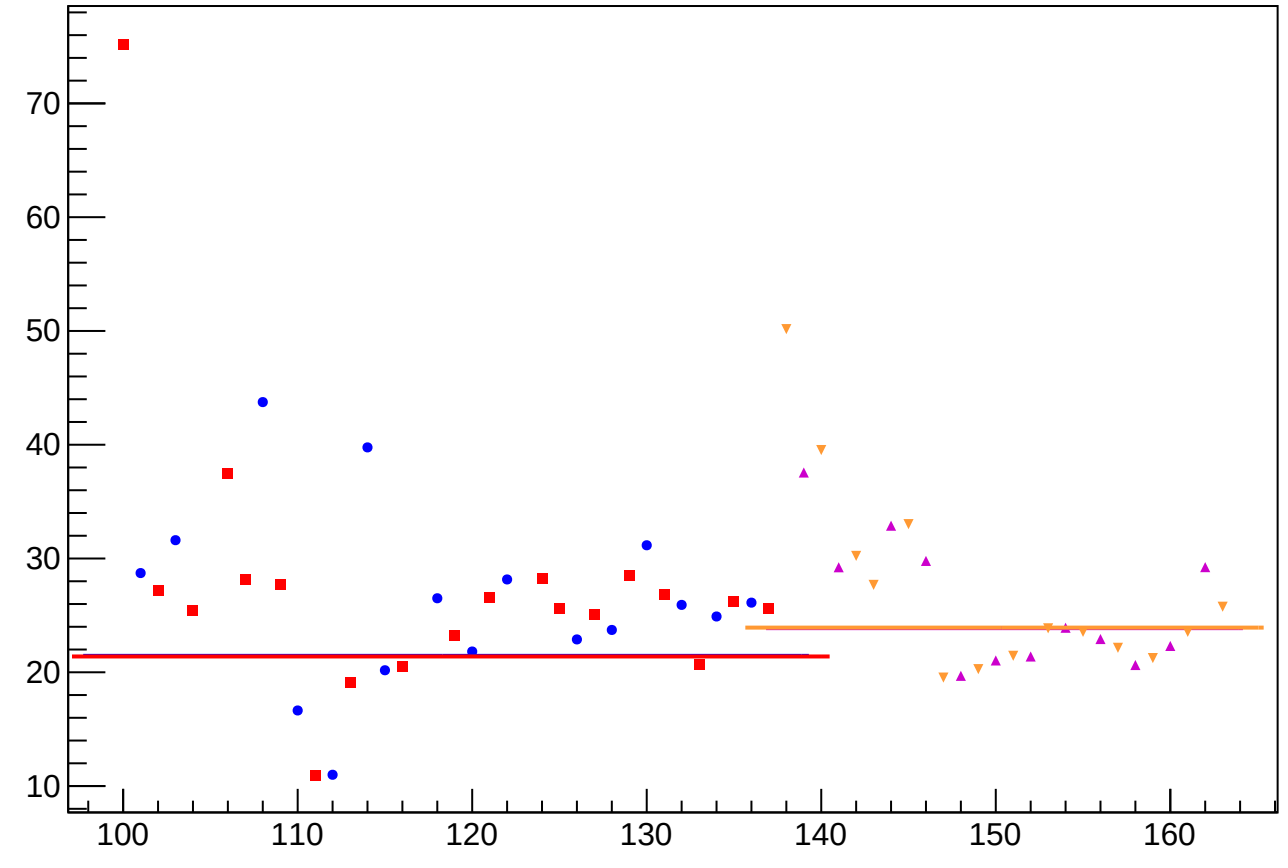
Left: -0.003+/-0.005 χ^2/NDF: 30.7/25

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/27

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 75.7/60



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.926+/-0.005 χ^2/NDF:1013549.1/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.879+/-0.005 χ^2/NDF:698598.2/11

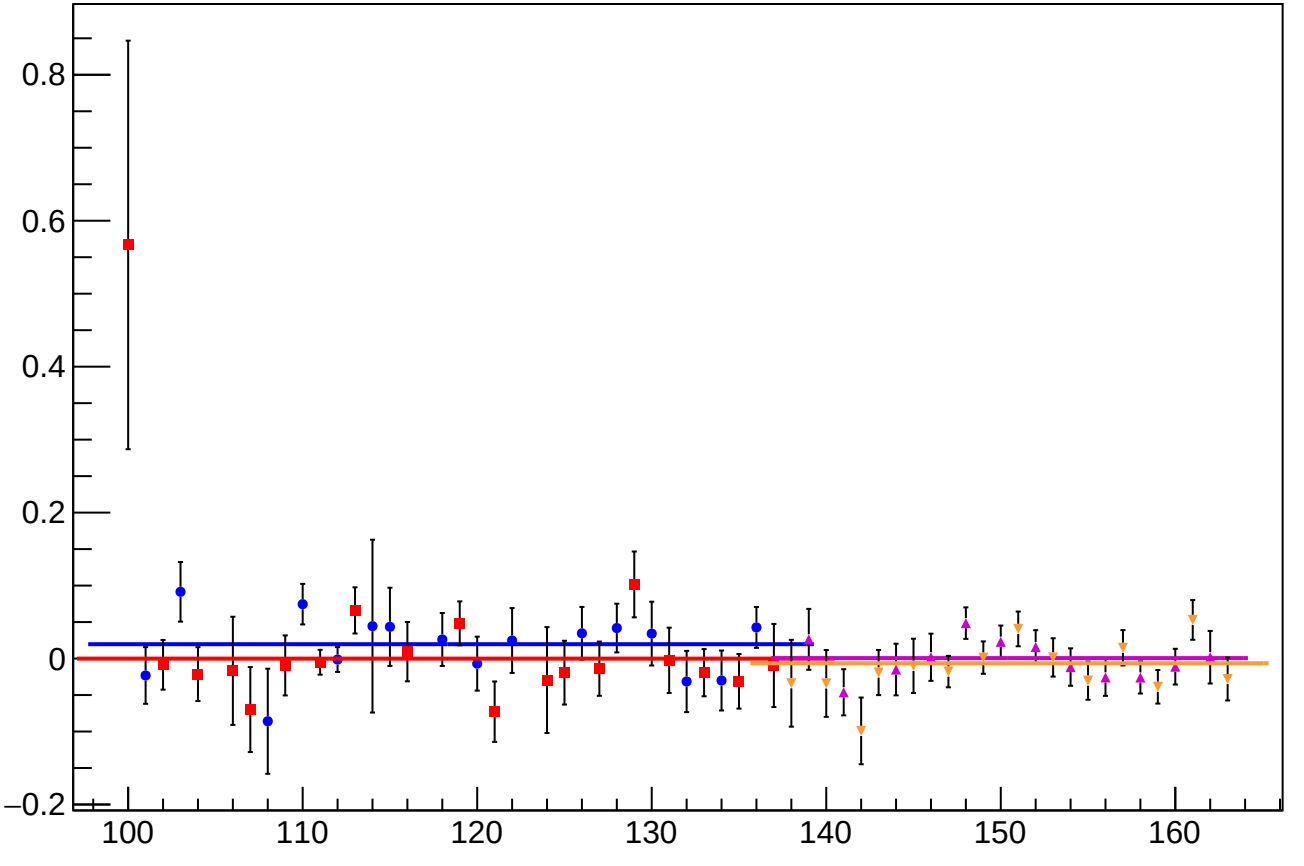
Left: 23.903+/-0.004 χ^2/NDF: 1712186.5/25

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.811+/-0.004 χ^2/NDF:2327607.8/27

Out: 22.824+/-0.004 χ^2/NDF:2426048.2/32

All: 22.817+/-0.003 χ^2/NDF: 4753660.9/60



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/11

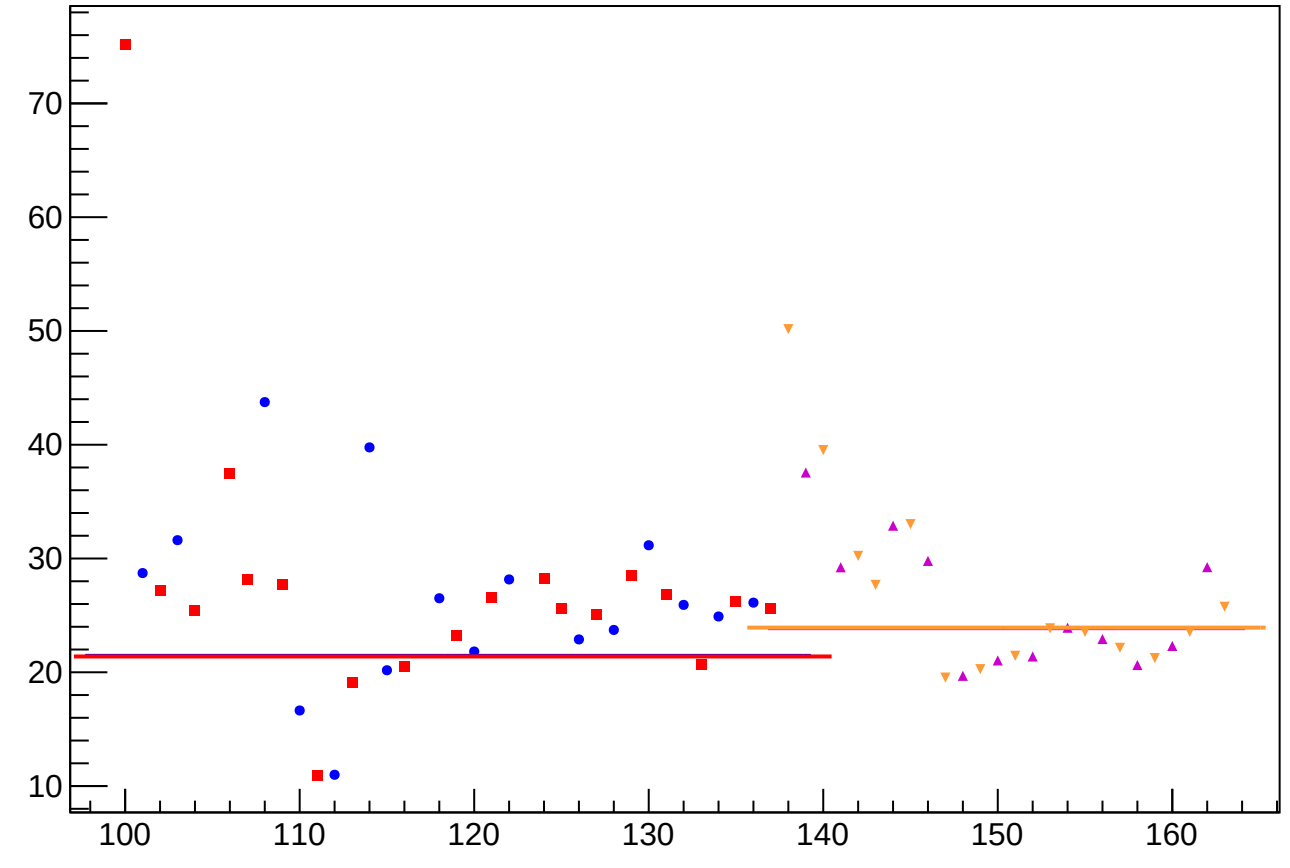
Left: -0.003+/-0.005 χ^2/NDF: 30.7/25

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/27

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 75.7/60



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 23.926+/-0.005 χ^2/NDF:1013549.1/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 23.879+/-0.005 χ^2/NDF:698598.2/11

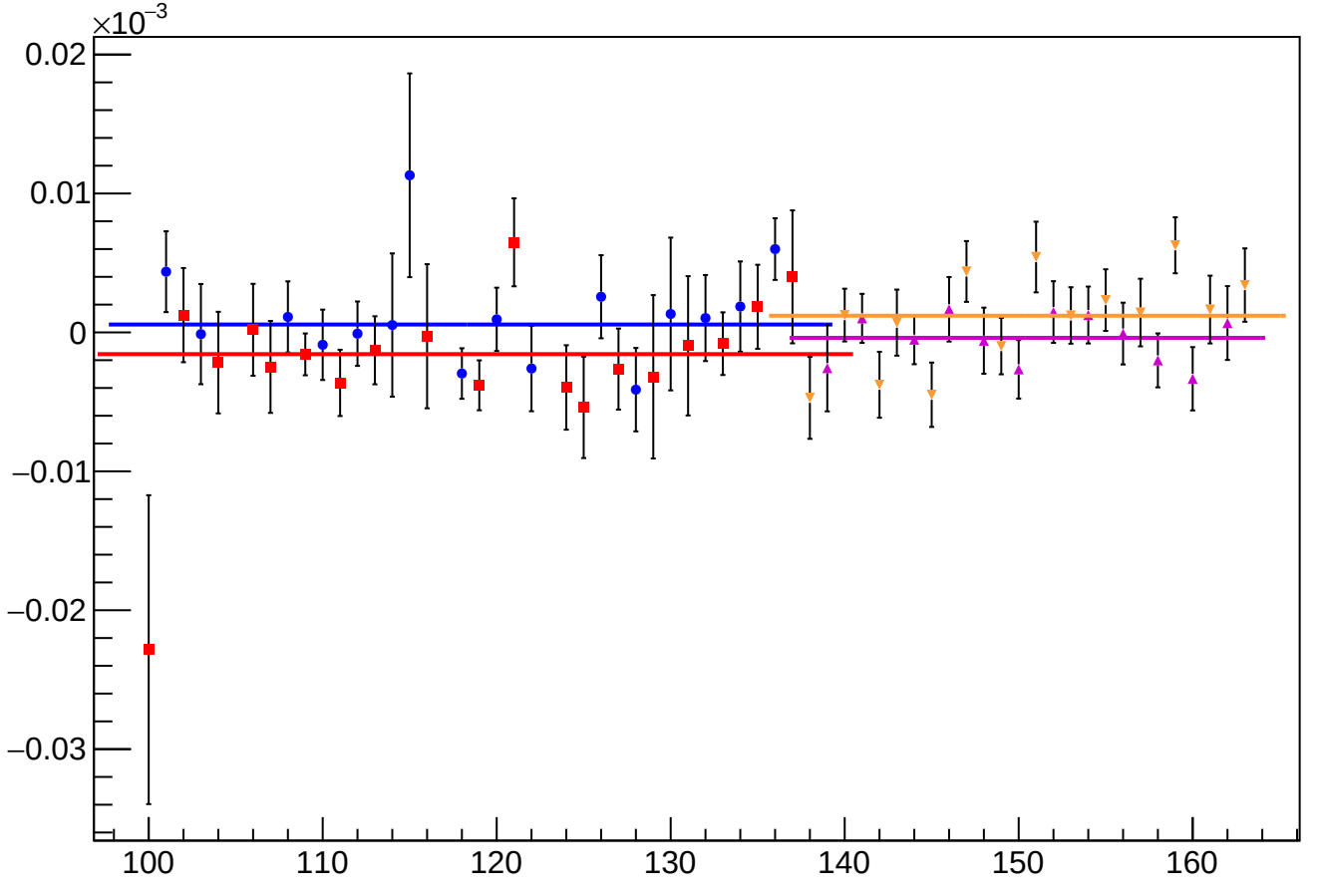
Left: 23.903+/-0.004 χ^2/NDF: 1712186.5/25

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.811+/-0.004 χ^2/NDF:2327607.8/27

Out: 22.824+/-0.004 χ^2/NDF:2426048.2/32

All: 22.817+/-0.003 χ^2/NDF: 4753660.9/60



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

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/11

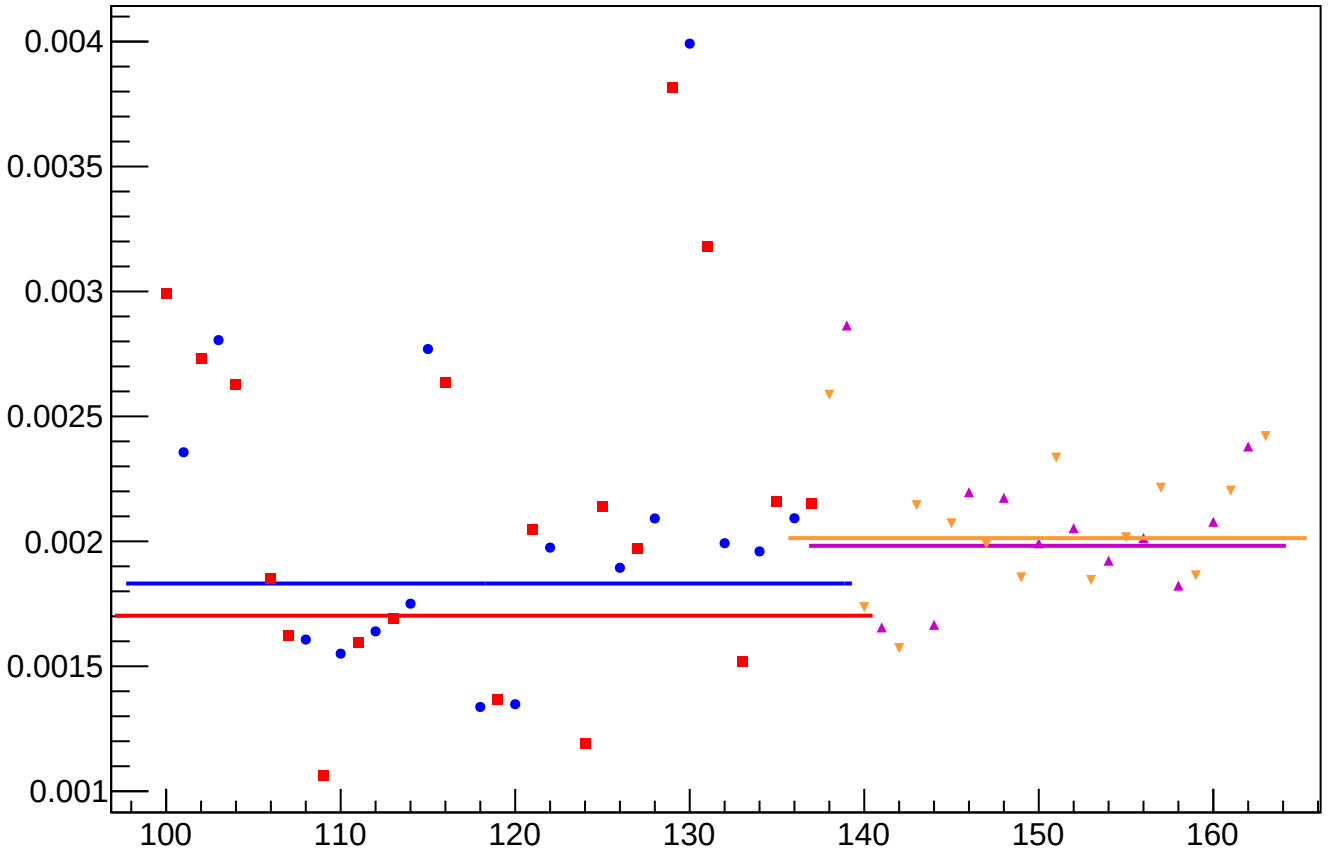
Left: 0.000+/-0.000 χ^2/NDF: 38.2/25

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:26.3/27

Out: -0.000+/-0.000 χ^2/NDF:55.6/32

All: -0.000+/-0.000 χ^2/NDF: 81.9/60



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:336551.6/13

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:388854.1/11

Left: 0.002+/-0.000 χ^2/NDF: 727916.7/25

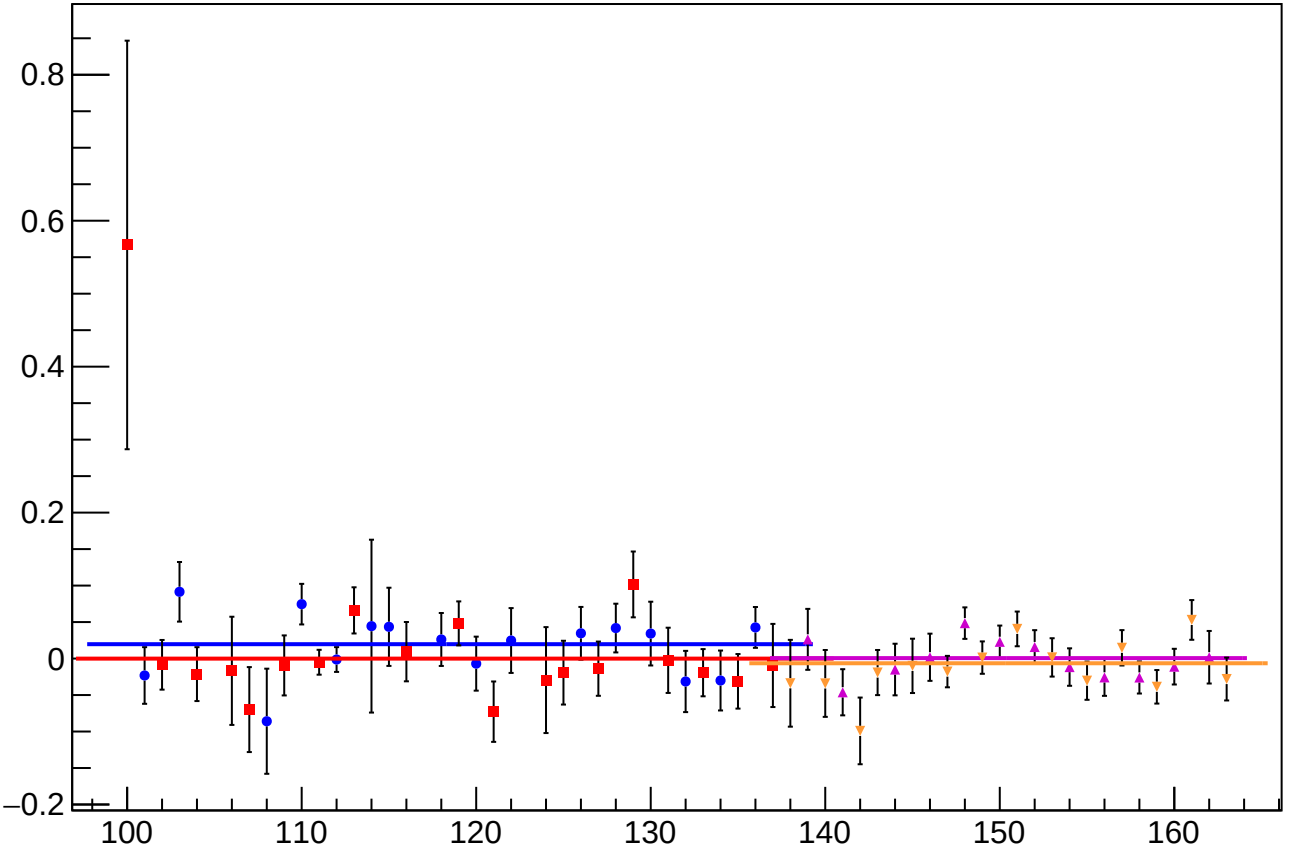
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1340543.3/27

Out: 0.002+/-0.000 χ^2/NDF:2054506.2/32

All: 0.002+/-0.000 χ^2/NDF: 3405054.7/60

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+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/11

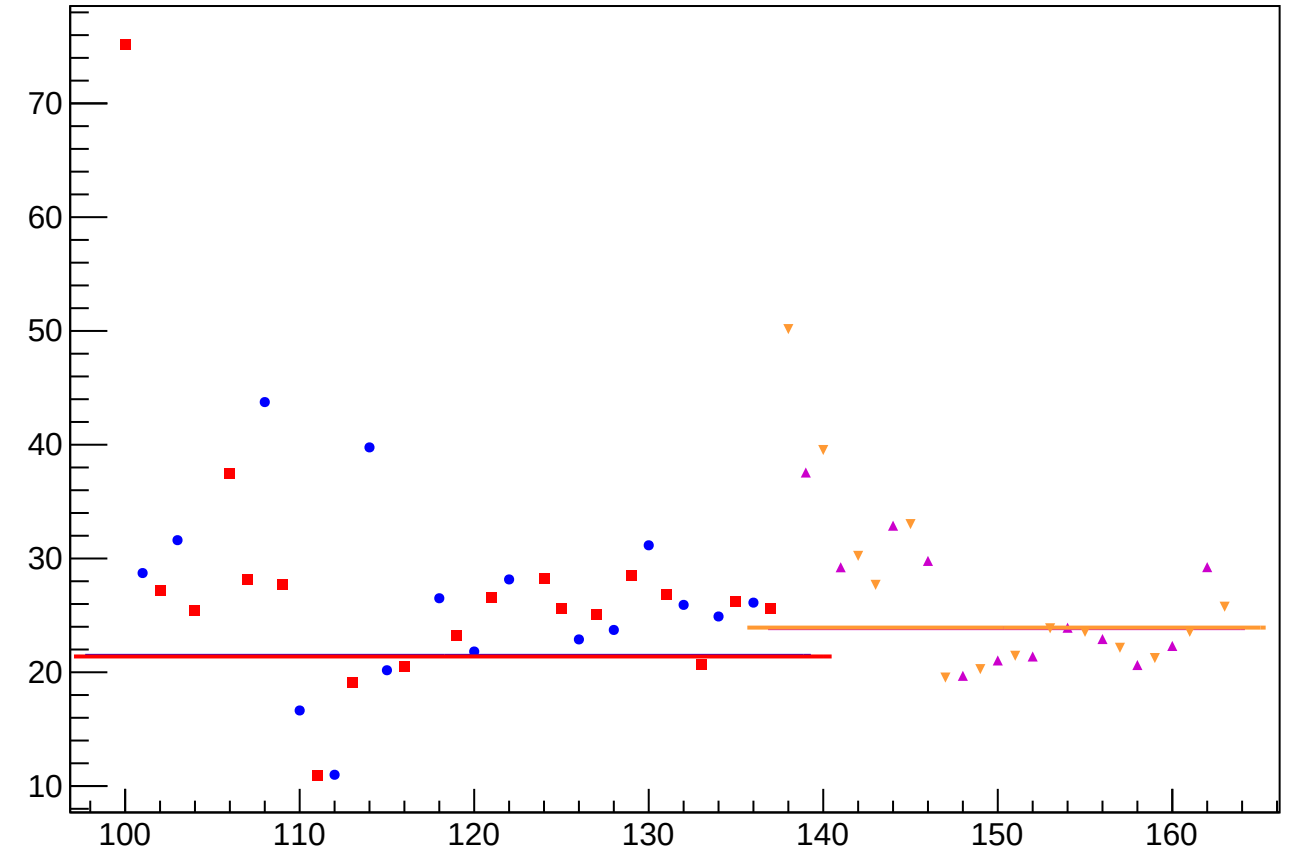
Left: -0.003+/-0.005 χ^2/NDF: 30.7/25

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/27

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 75.7/60



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.927+/-0.005 χ^2/NDF:1013548.9/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.879+/-0.005 χ^2/NDF:698600.0/11

Left: 23.904+/-0.004 χ^2/NDF: 1712188.1/25

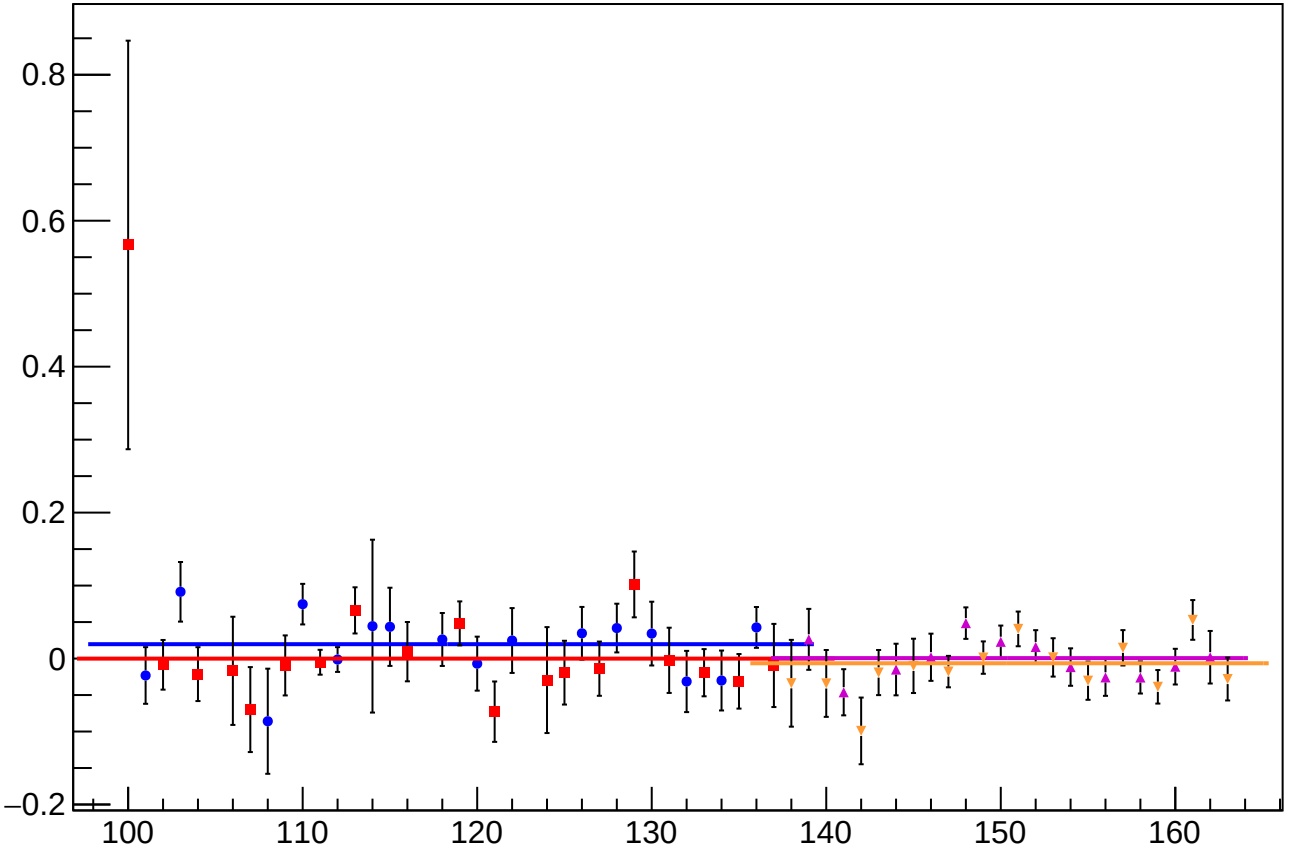
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.811+/-0.004 χ^2/NDF:2327814.8/27

Out: 22.823+/-0.004 χ^2/NDF:2426233.1/32

All: 22.817+/-0.003 χ^2/NDF: 4754052.9/60

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:18.2/13

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.001+/-0.008 χ^2/NDF:12.2/11

Left: -0.003+/-0.005 χ^2/NDF: 30.7/25

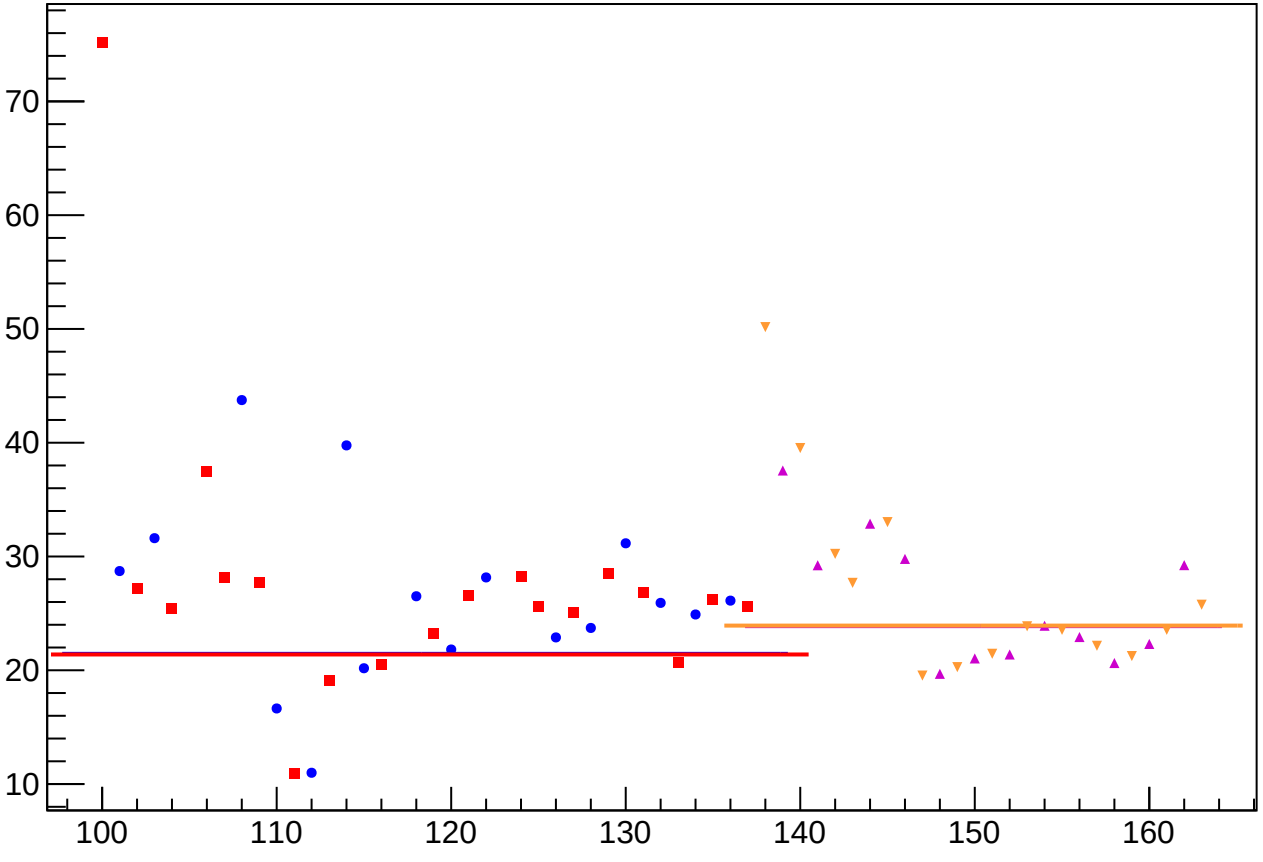
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.009+/-0.006 χ^2/NDF:31.9/27

Out: -0.004+/-0.006 χ^2/NDF:41.3/32

All: 0.002+/-0.004 χ^2/NDF: 75.7/60

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 23.927+/-0.005 χ^2/NDF:1013548.9/13

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 23.879+/-0.005 χ^2/NDF:698600.0/11

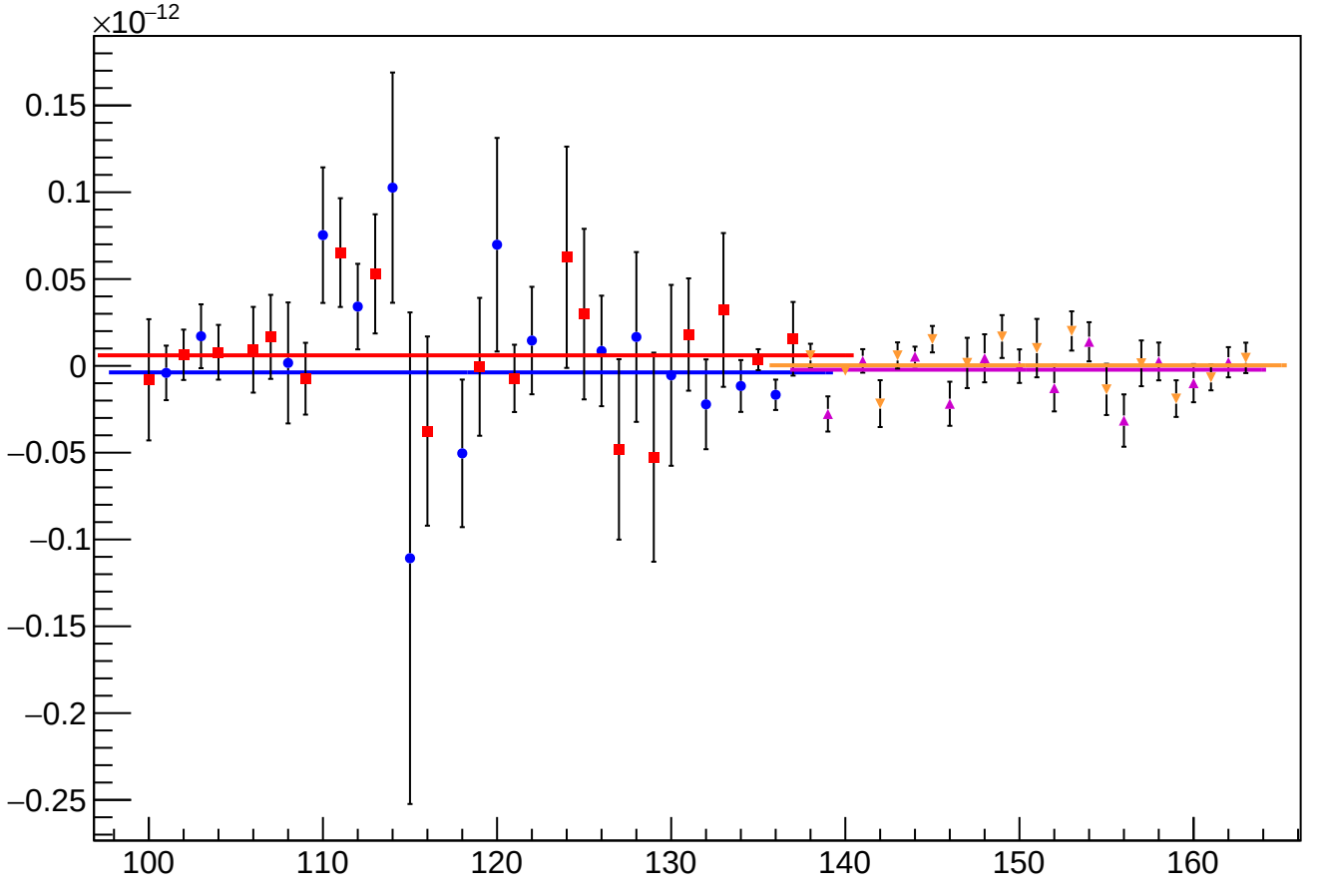
Left: 23.904+/-0.004 χ^2/NDF: 1712188.1/25

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.811+/-0.004 χ^2/NDF:2327814.8/27

Out: 22.823+/-0.004 χ^2/NDF:2426233.1/32

All: 22.817+/-0.003 χ^2/NDF: 4754052.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.7/11

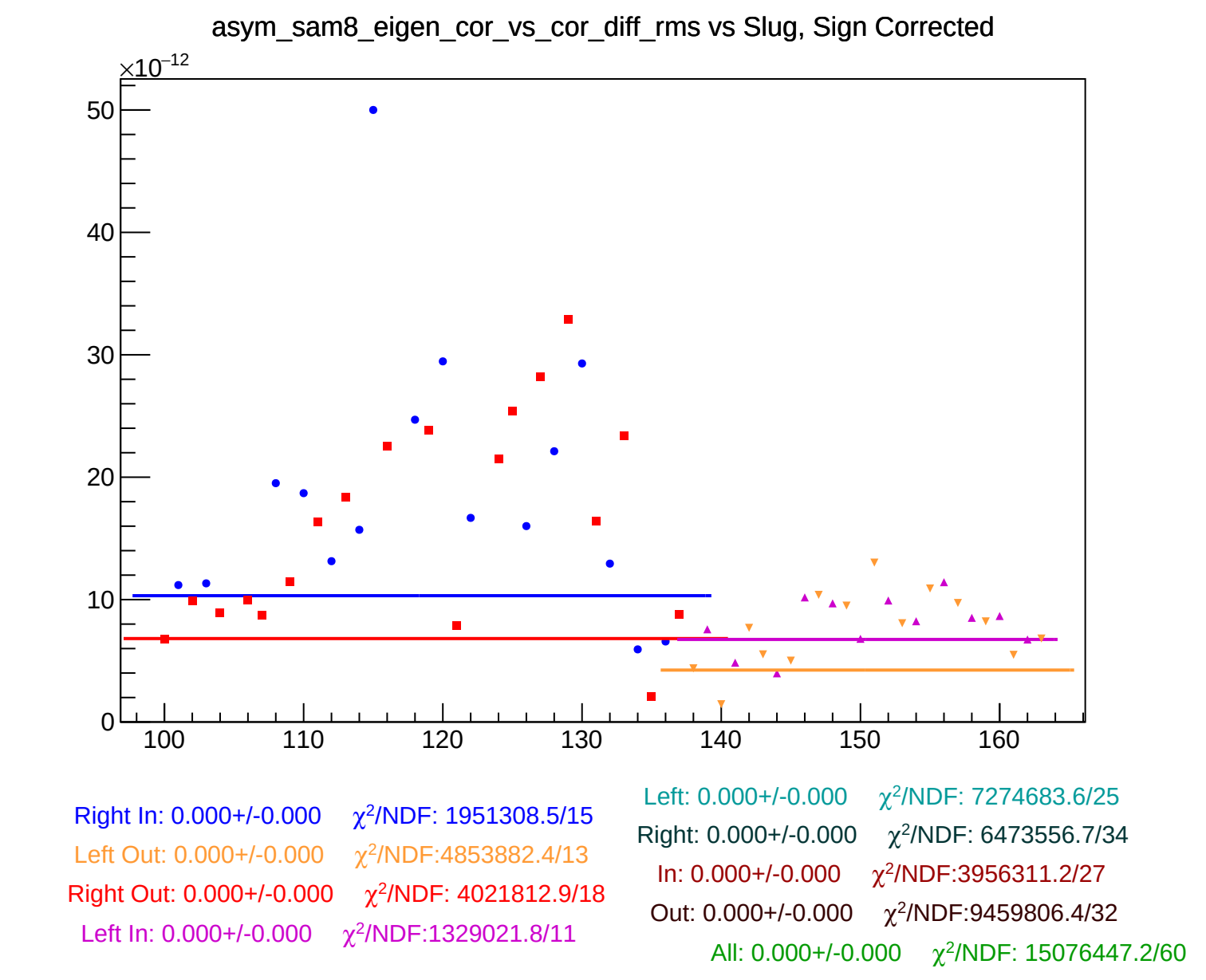
Left: -0.000+/-0.000 χ^2/NDF: 38.8/25

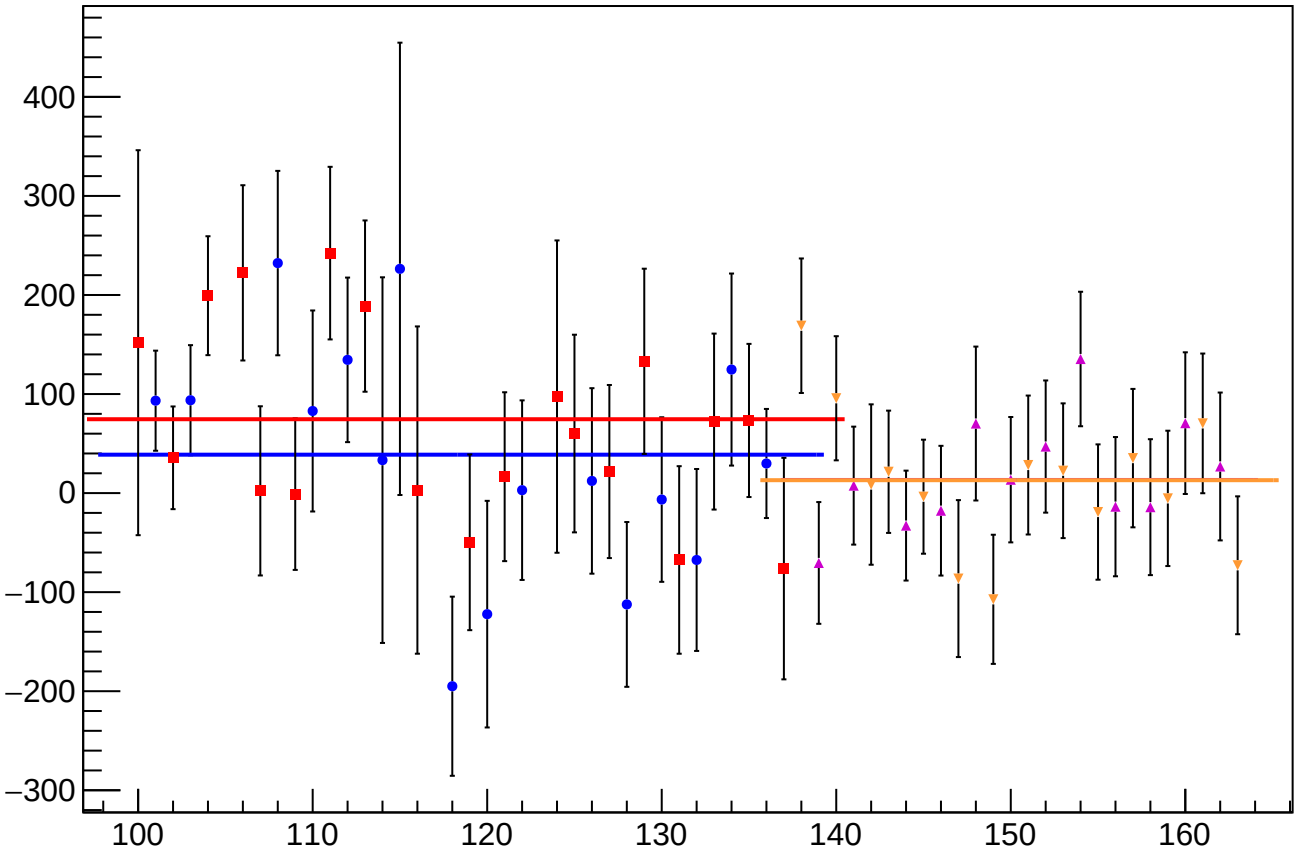
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:35.9/27

Out: 0.000+/-0.000 χ^2/NDF:32.3/32

All: -0.000+/-0.000 χ^2/NDF: 69.8/60


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4853882.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1329021.8/11
Left: 0.000+/-0.000 χ²/NDF: 7274683.6/25
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3956311.2/27
Out: 0.000+/-0.000 χ²/NDF:9459806.4/32
All: 0.000+/-0.000 χ²/NDF: 15076447.2/60



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.030+/-18.127 χ^2/NDF:14.7/13

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 13.243+/-19.064 χ^2/NDF:7.8/11

Left: 13.131+/-13.136 χ^2/NDF: 22.5/25

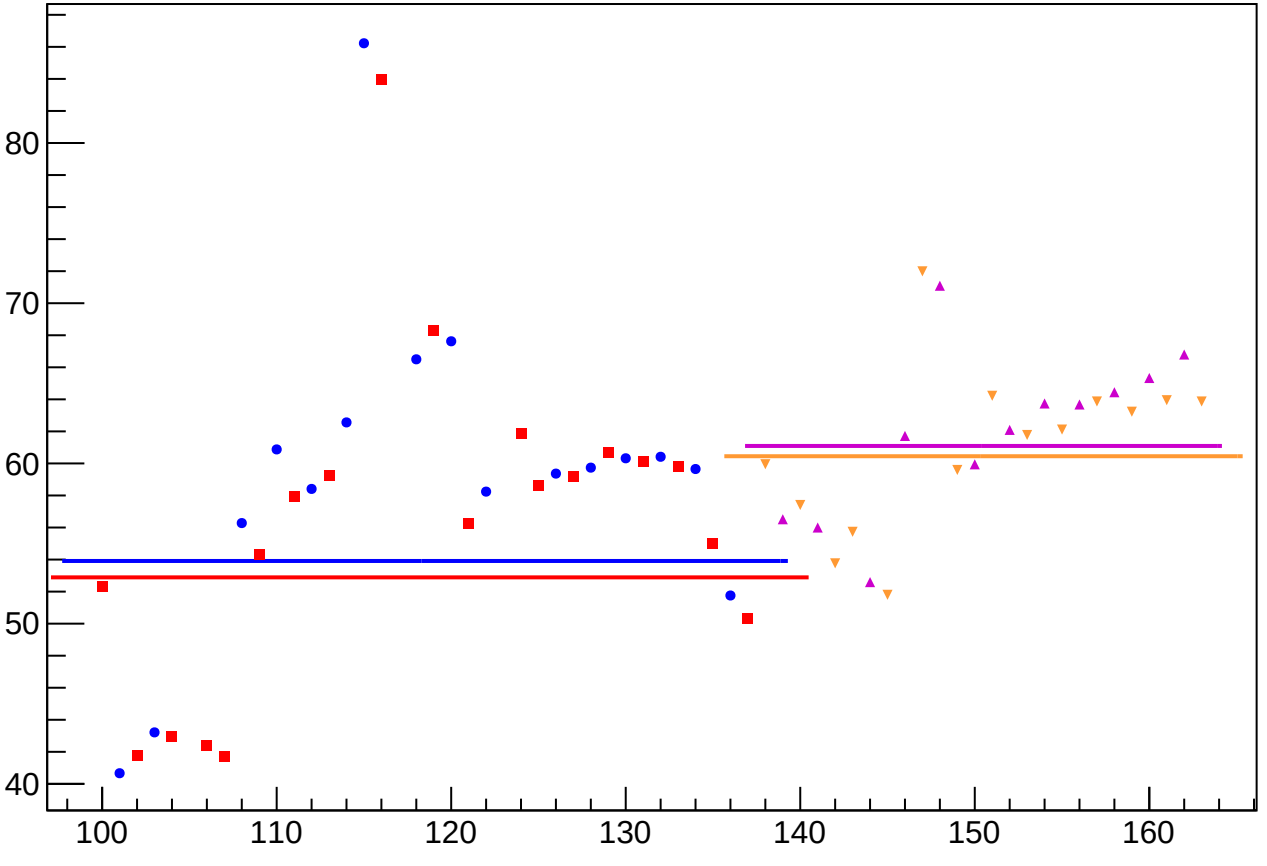
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.141+/-13.933 χ^2/NDF:31.9/27

Out: 41.092+/-13.371 χ^2/NDF:42.5/32

All: 33.444+/-9.647 χ^2/NDF: 75.1/60

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.091+/-0.013 χ^2/NDF:136312.9/11

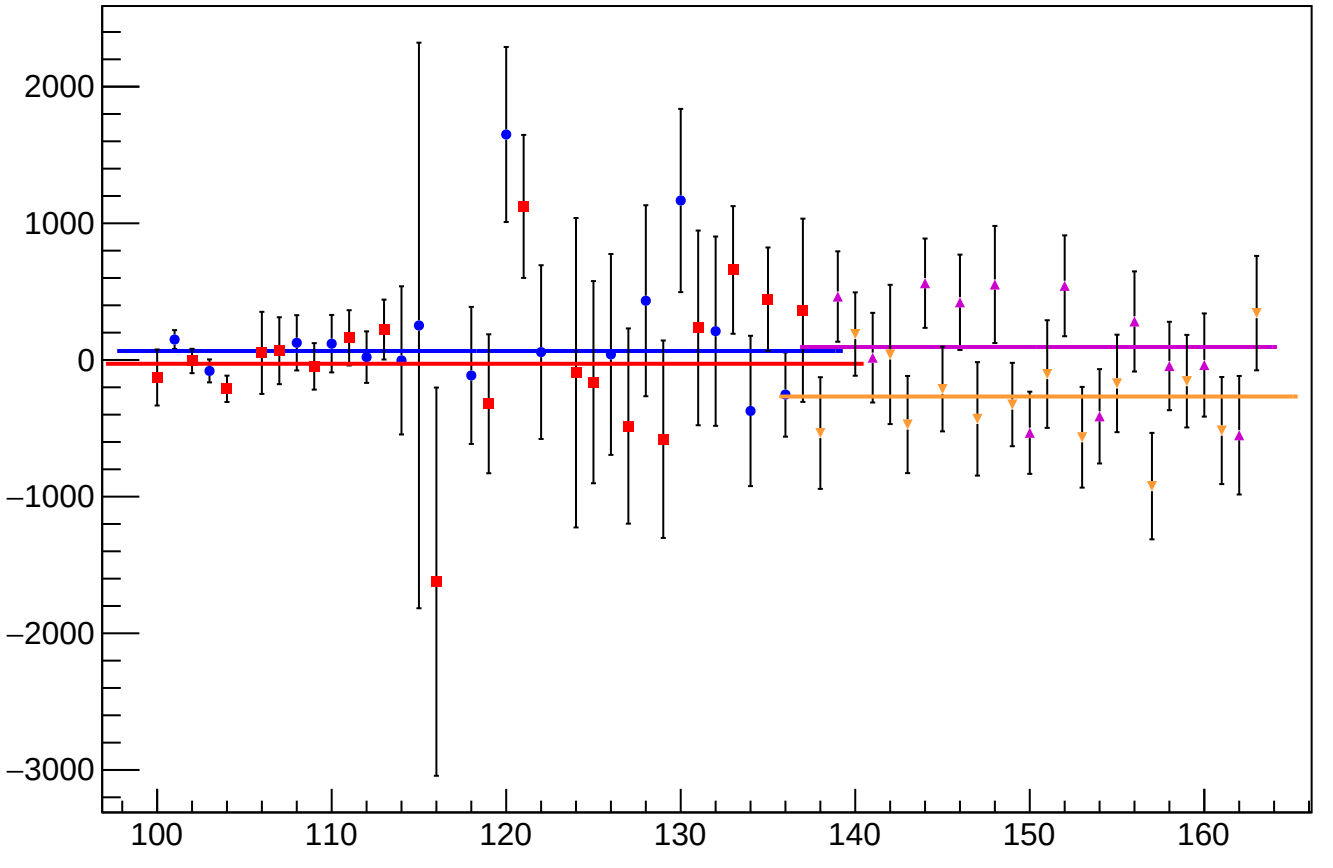
Left: 60.754+/-0.009 χ^2/NDF: 281141.1/25

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 57.747+/-0.010 χ^2/NDF:661706.3/27

Out: 57.002+/-0.009 χ^2/NDF:727501.9/32

All: 57.359+/-0.007 χ^2/NDF: 1392180.0/60



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -267.362+/-97.742 χ^2/NDF:10.0/13

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 94.834+/-101.224 χ^2/NDF:16.1/11

Left: -92.601+/-70.312 χ^2/NDF: 32.7/25

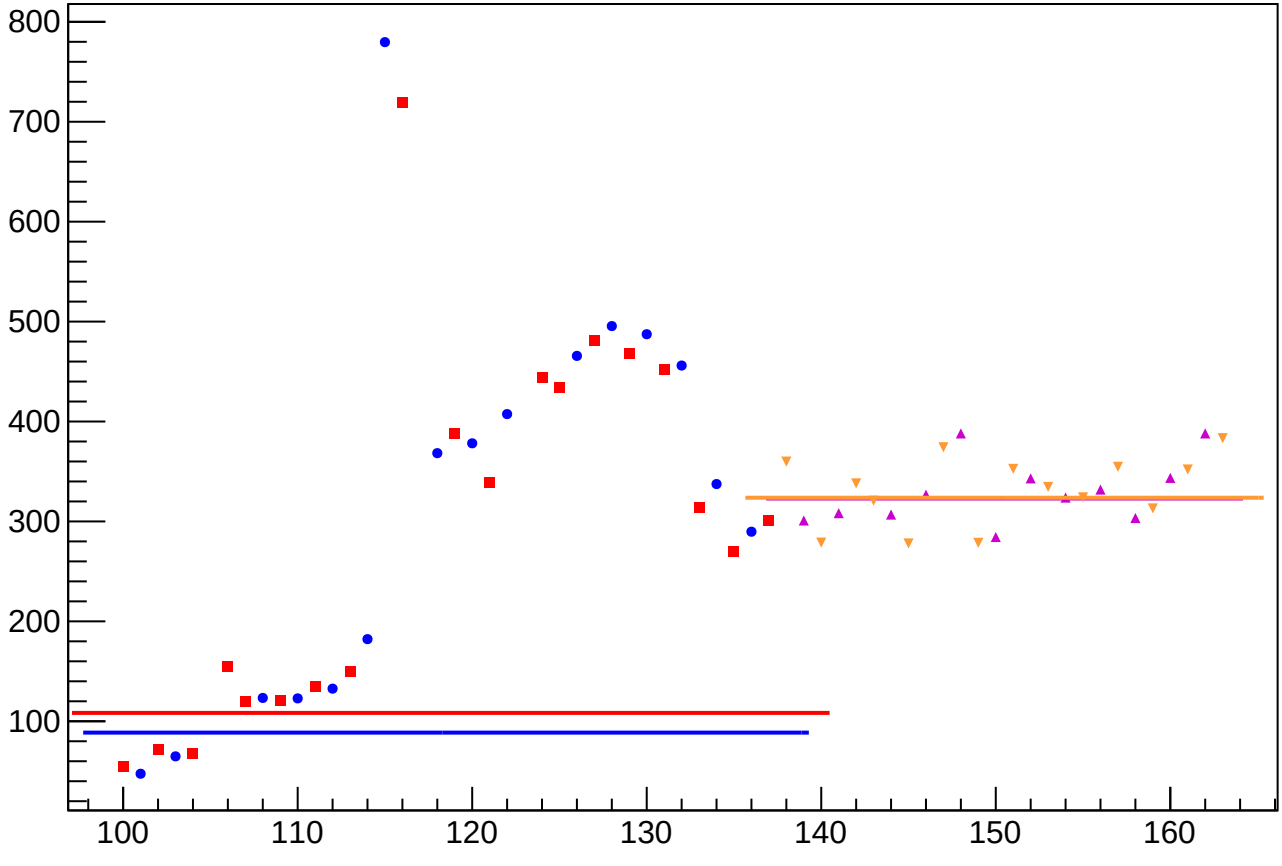
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 70.899+/-42.239 χ^2/NDF:31.9/27

Out: -77.986+/-44.719 χ^2/NDF:32.7/32

All: 0.700+/-30.707 χ^2/NDF: 70.5/60

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: 323.721+/-0.069 χ^2/NDF:255820.6/13

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 322.932+/-0.072 χ^2/NDF:162485.4/11

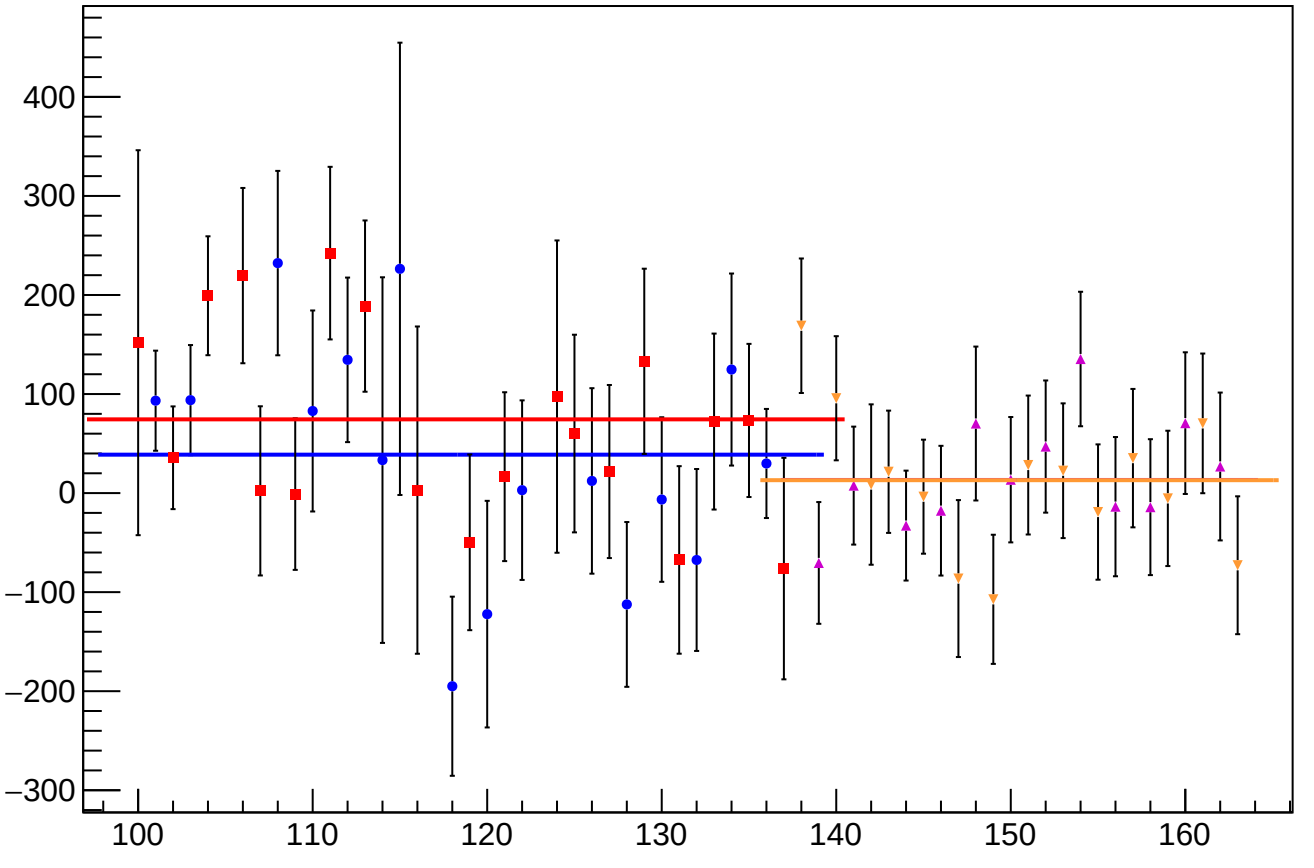
Left: 323.340+/-0.050 χ^2/NDF: 418369.0/25

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 129.450+/-0.030 χ^2/NDF:15658246.5/27

Out: 153.461+/-0.032 χ^2/NDF:13294077.4/32

All: 140.771+/-0.022 χ^2/NDF: 29257039.5/60



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 13.242+/-19.064 χ^2/NDF:7.8/11

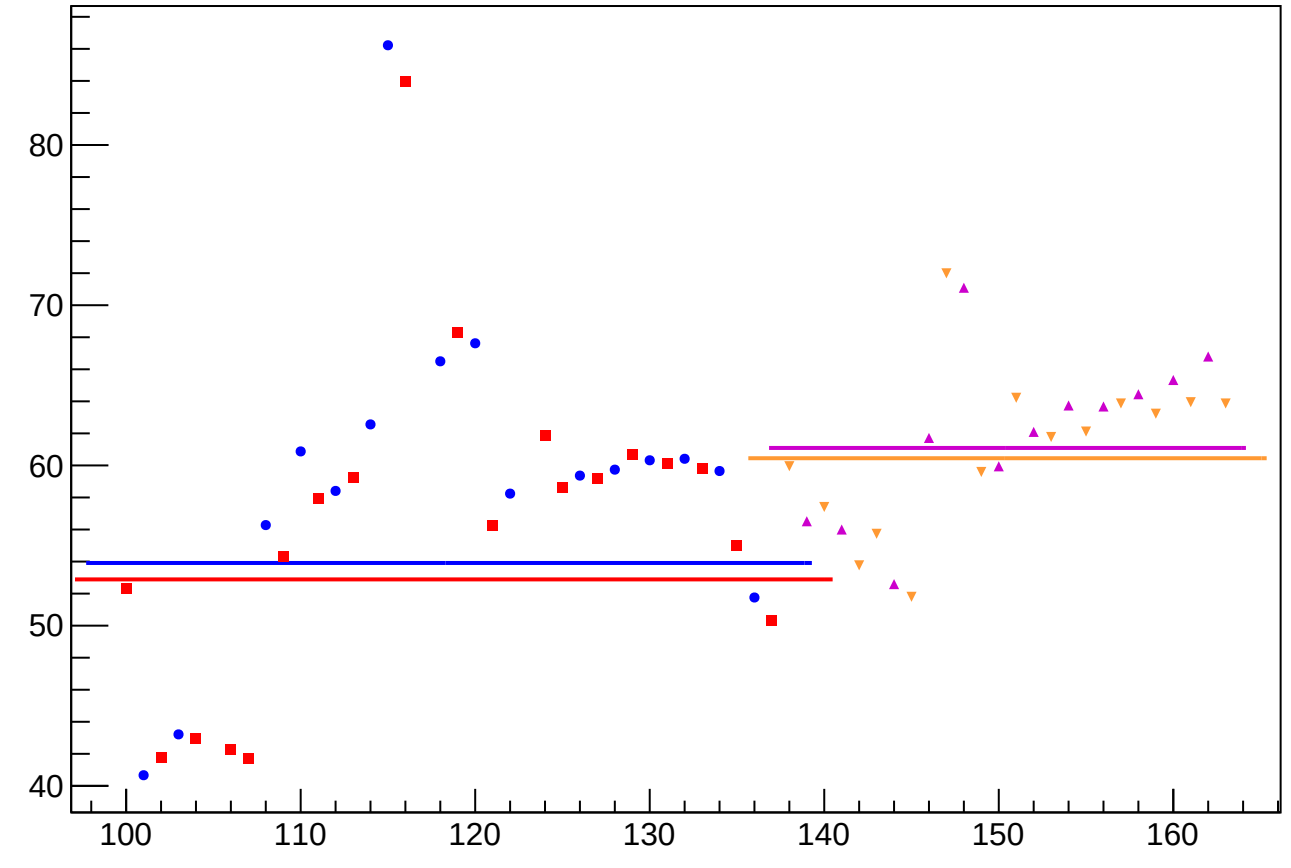
Left: 13.131+/-13.136 χ^2/NDF: 22.5/25

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.146+/-13.933 χ^2/NDF:31.9/27

Out: 41.028+/-13.371 χ^2/NDF:42.3/32

All: 33.413+/-9.647 χ^2/NDF: 74.9/60



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.091+/-0.013 χ^2/NDF:136312.9/11

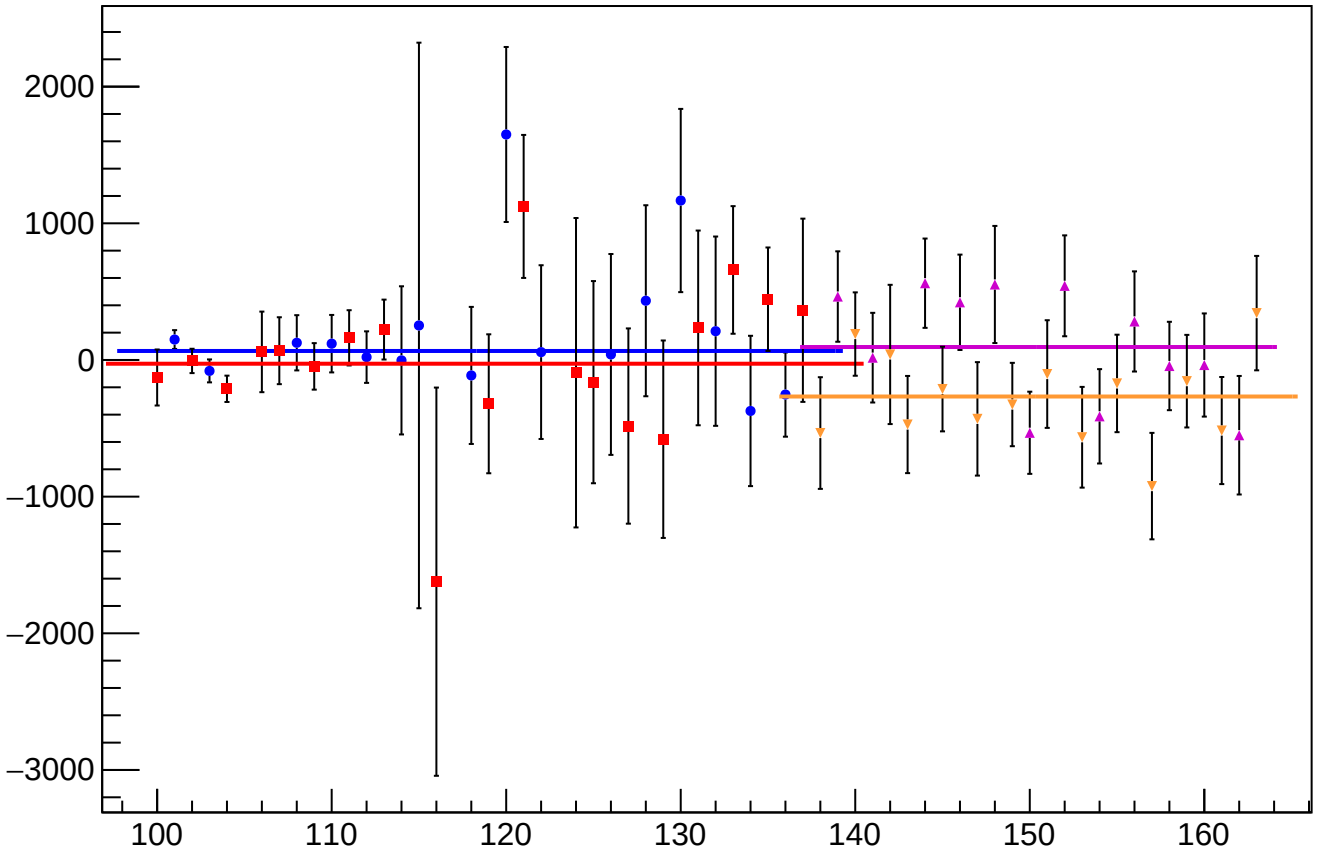
Left: 60.754+/-0.009 χ^2/NDF: 281141.1/25

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.747+/-0.010 χ^2/NDF:661705.4/27

Out: 57.002+/-0.009 χ^2/NDF:727891.4/32

All: 57.359+/-0.007 χ^2/NDF: 1392574.6/60



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 94.832+/-101.223 χ^2/NDF:16.1/11

Left: -92.601+/-70.312 χ^2/NDF: 32.7/25

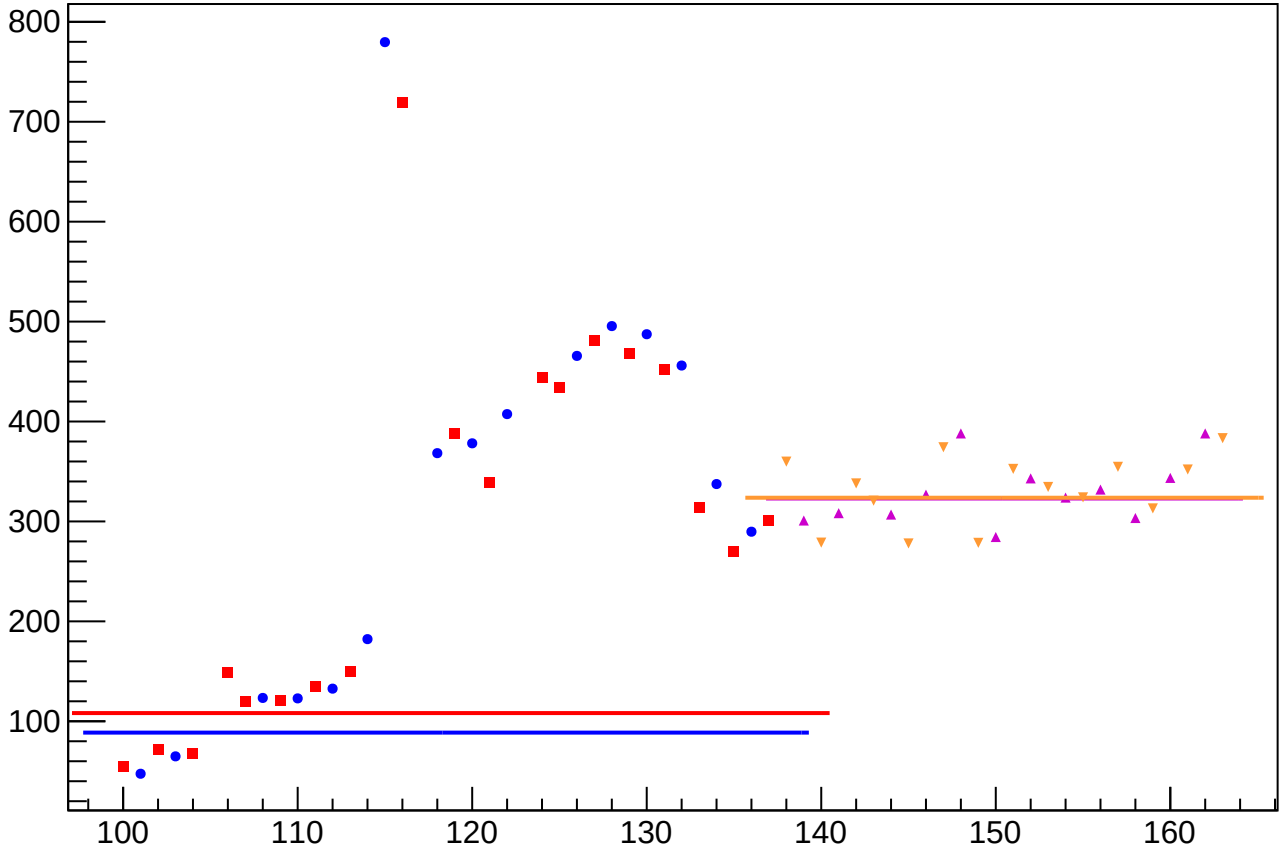
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 70.902+/-42.238 χ^2/NDF:31.9/27

Out: -77.567+/-44.689 χ^2/NDF:32.7/32

All: 0.850+/-30.697 χ^2/NDF: 70.5/60

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 322.932+/-0.072 χ^2/NDF:162488.1/11

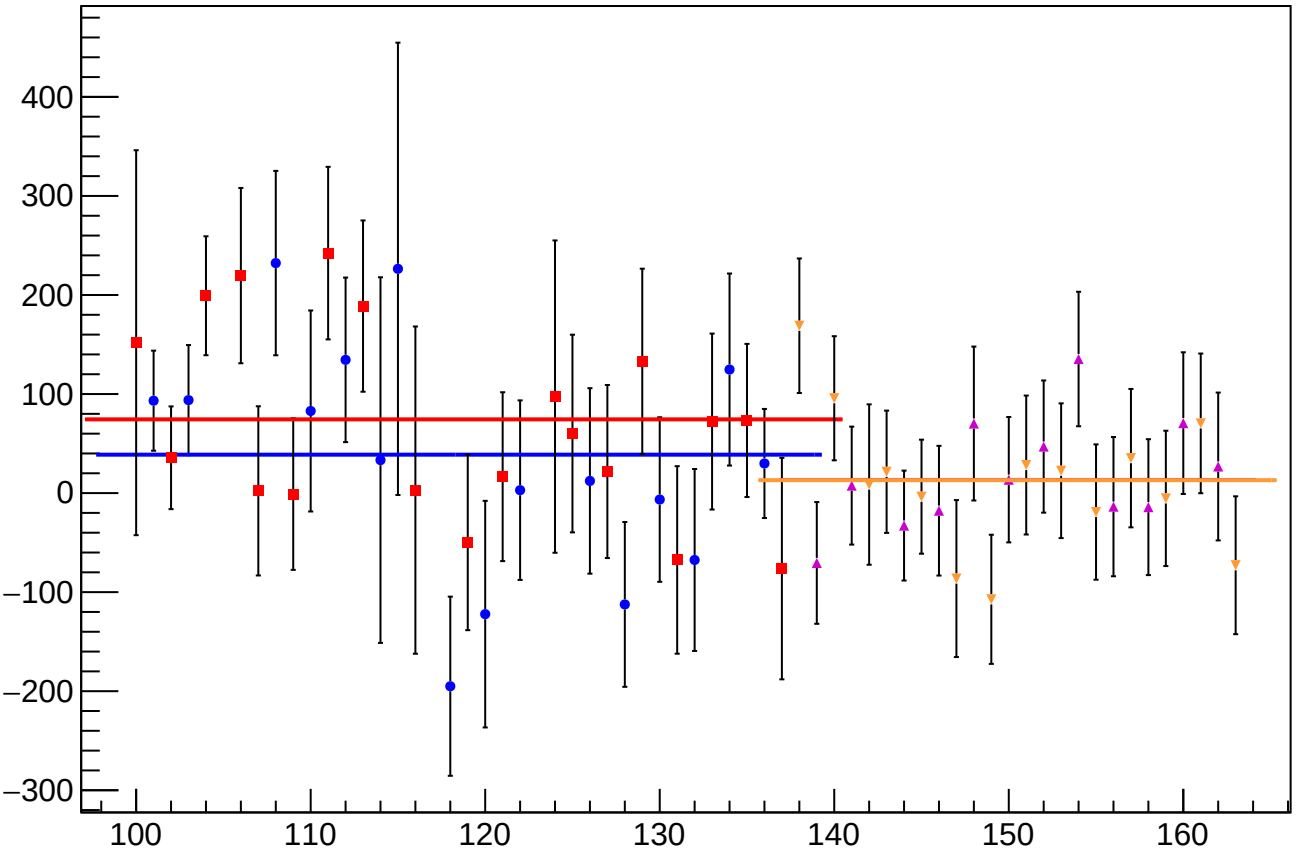
Left: 323.340+/-0.050 χ^2/NDF: 418370.9/25

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 129.447+/-0.030 χ^2/NDF:15658579.5/27

Out: 153.259+/-0.032 χ^2/NDF:13301576.4/32

All: 140.682+/-0.022 χ^2/NDF: 29260077.9/60



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 13.031+/-18.127 χ^2/NDF:14.7/13

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 13.242+/-19.064 χ^2/NDF:7.8/11

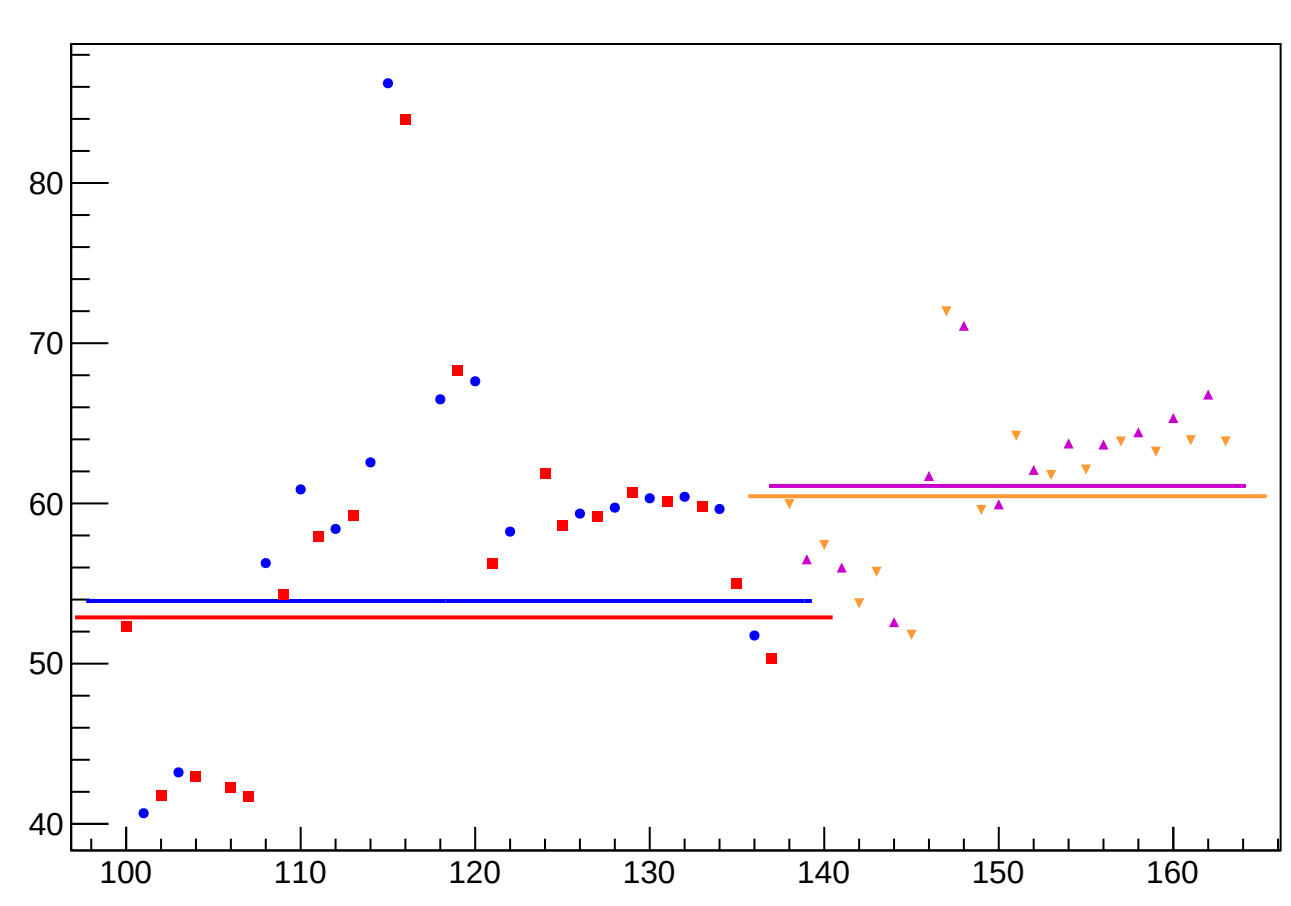
Left: 13.131+/-13.136 χ^2/NDF: 22.5/25

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.146+/-13.933 χ^2/NDF:31.9/27

Out: 41.028+/-13.371 χ^2/NDF:42.3/32

All: 33.413+/-9.647 χ^2/NDF: 74.9/60



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.450+/-0.013 χ^2/NDF:143638.1/13

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.091+/-0.013 χ^2/NDF:136312.9/11

Left: 60.754+/-0.009 χ^2/NDF: 281141.1/25

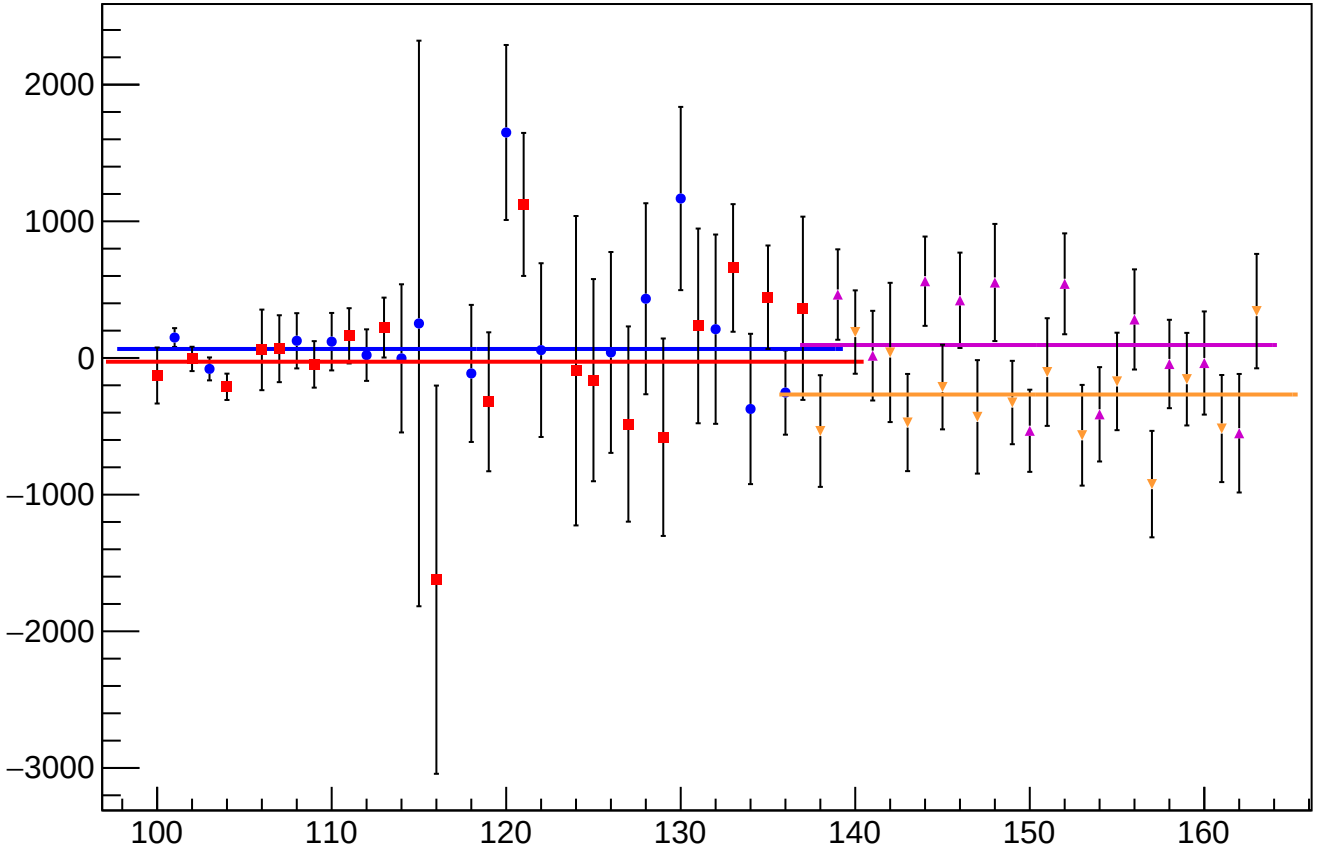
Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 57.747+/-0.010 χ^2/NDF:661705.4/27

Out: 57.002+/-0.009 χ^2/NDF:727891.4/32

All: 57.359+/-0.007 χ^2/NDF: 1392574.6/60

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: -267.361+/-97.742 χ^2/NDF:10.0/13

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 94.832+/-101.223 χ^2/NDF:16.1/11

Left: -92.601+/-70.312 χ^2/NDF: 32.7/25

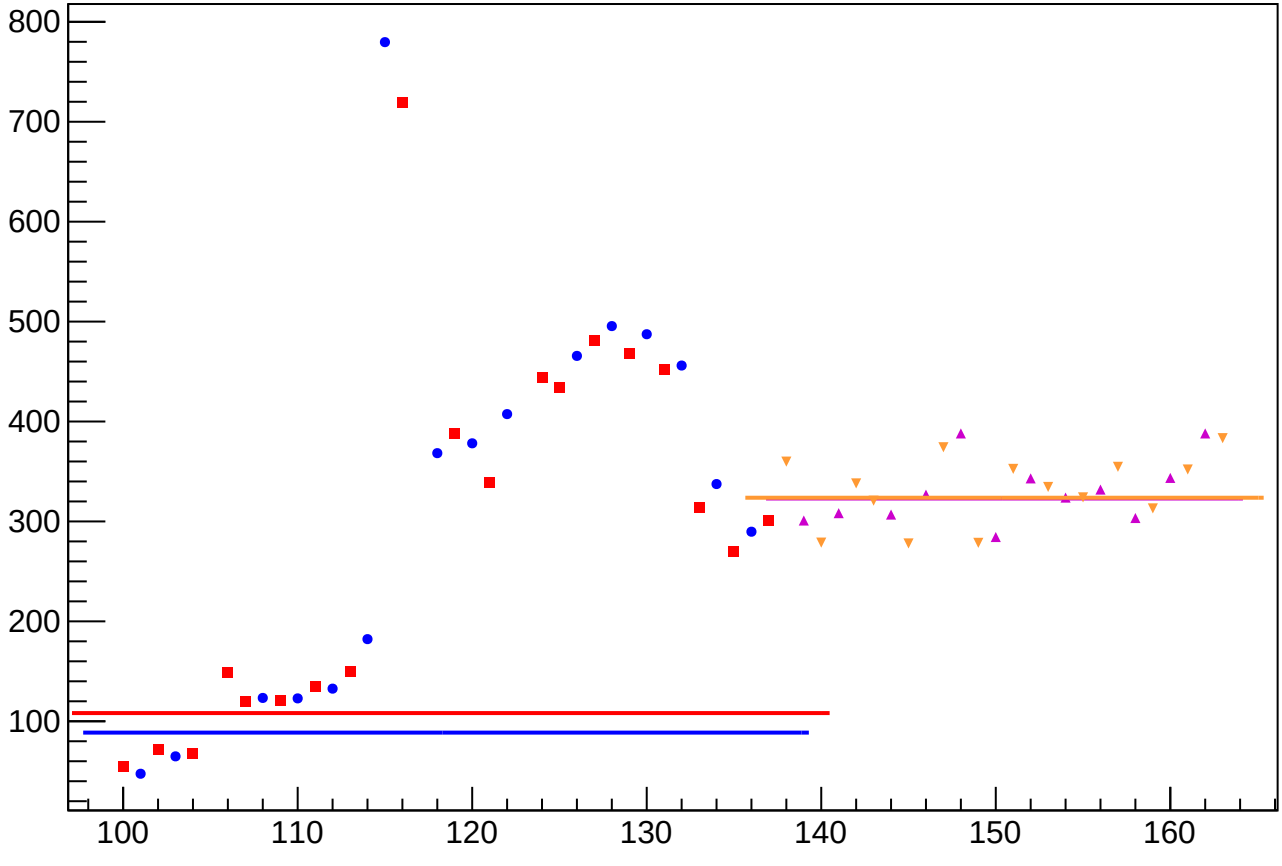
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 70.902+/-42.238 χ^2/NDF:31.9/27

Out: -77.567+/-44.689 χ^2/NDF:32.7/32

All: 0.850+/-30.697 χ^2/NDF: 70.5/60

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 323.721+/-0.069 χ^2/NDF:255819.7/13

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 322.932+/-0.072 χ^2/NDF:162488.1/11

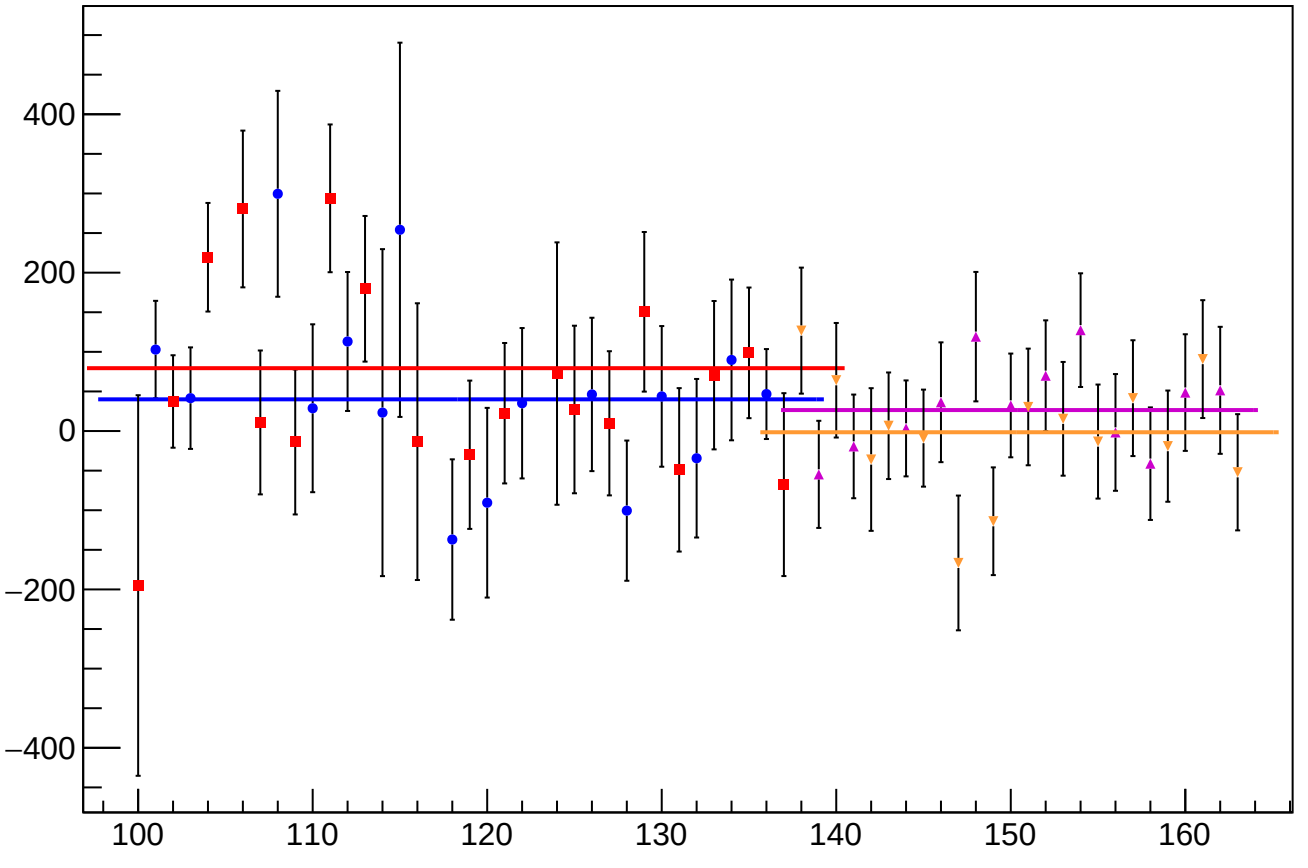
Left: 323.340+/-0.050 χ^2/NDF: 418370.9/25

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 129.447+/-0.030 χ^2/NDF:15658579.5/27

Out: 153.259+/-0.032 χ^2/NDF:13301576.4/32

All: 140.682+/-0.022 χ^2/NDF: 29260077.9/60



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -1.524+/-19.458 χ^2/NDF:12.8/13

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 26.491+/-20.401 χ^2/NDF:7.0/11

Left: 11.821+/-14.081 χ^2/NDF: 20.8/25

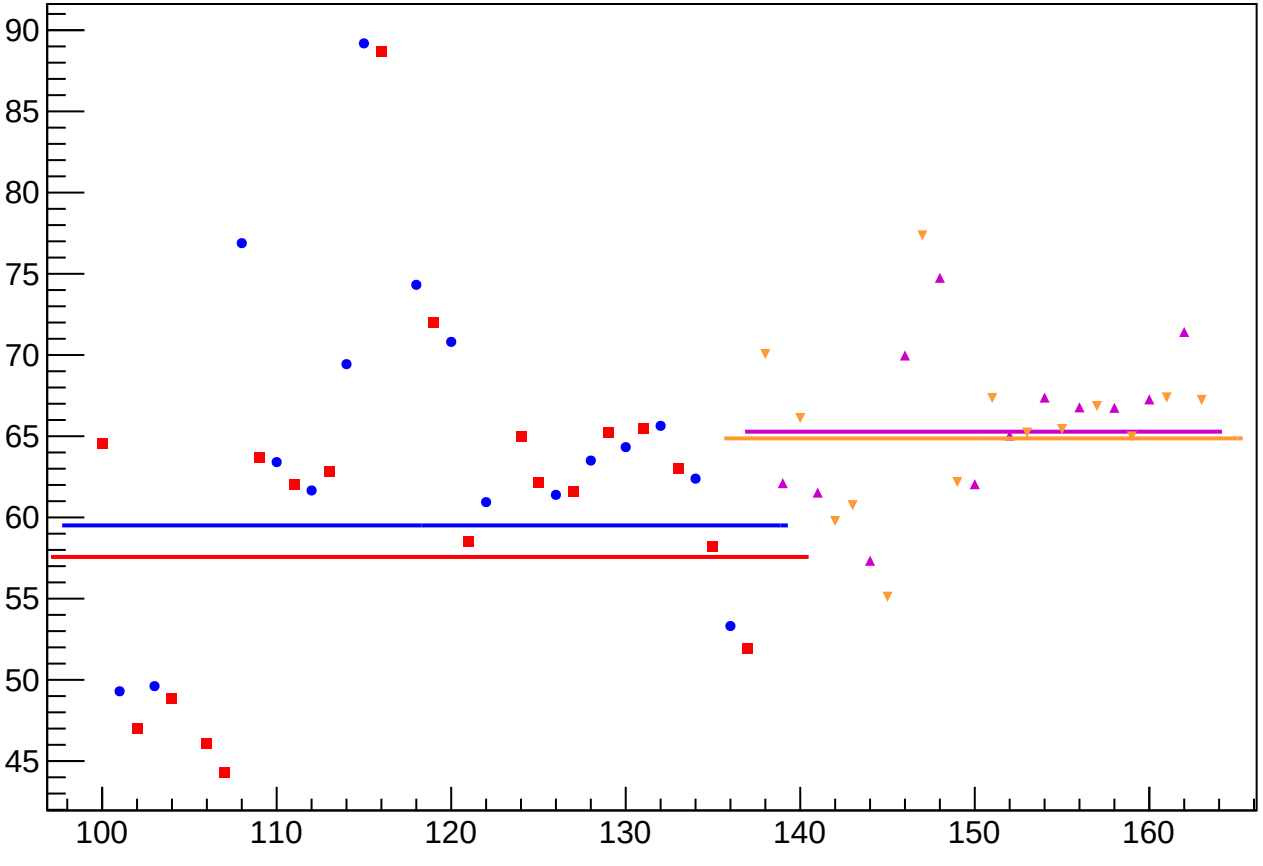
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 32.595+/-15.118 χ^2/NDF:21.3/27

Out: 34.761+/-14.450 χ^2/NDF:45.4/32

All: 33.727+/-10.446 χ^2/NDF: 66.7/60

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.867+/-0.014 χ^2/NDF:128191.4/13

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 65.280+/-0.014 χ^2/NDF:101432.5/11

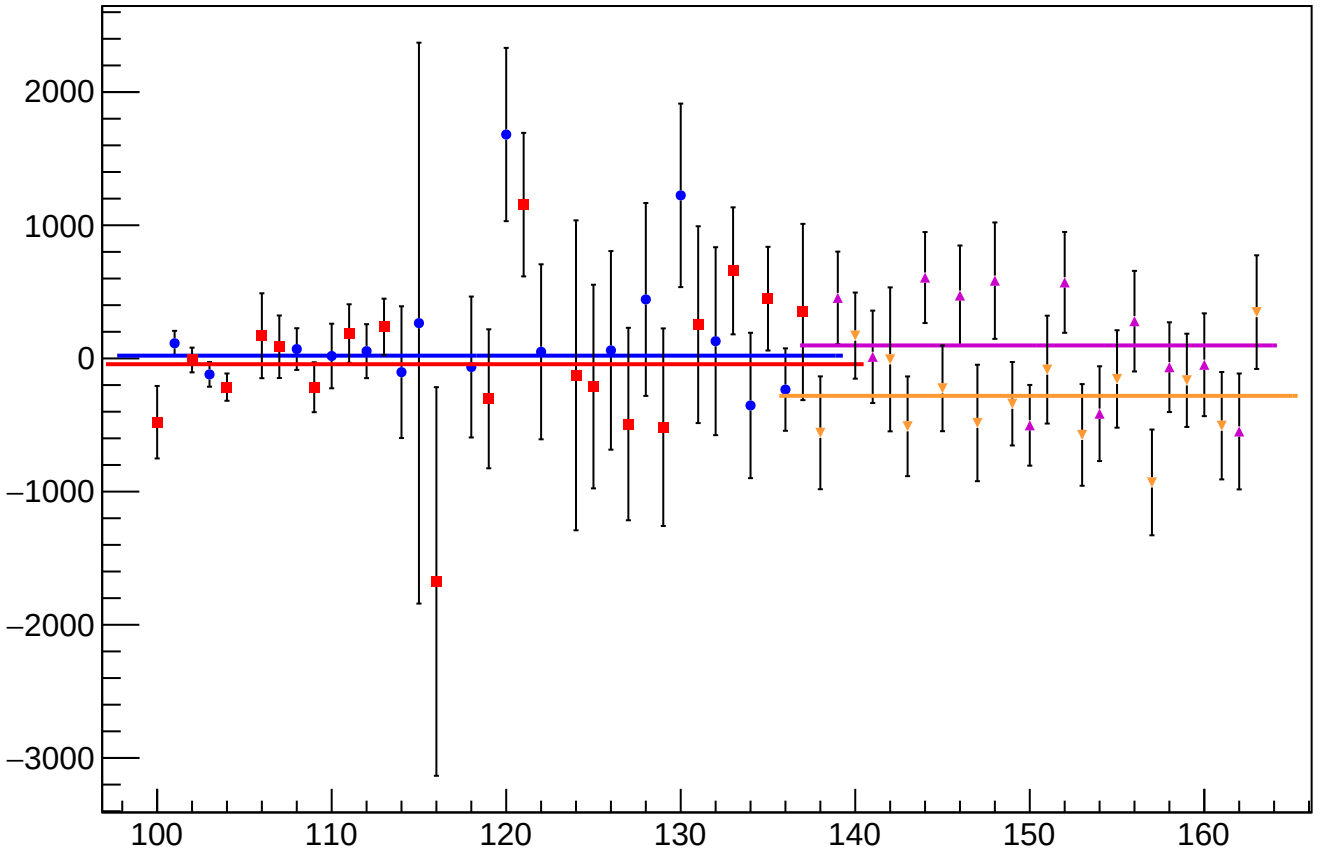
Left: 65.064+/-0.010 χ^2/NDF: 230054.1/25

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 62.678+/-0.011 χ^2/NDF:456799.1/27

Out: 61.593+/-0.010 χ^2/NDF:601823.2/32

All: 62.111+/-0.007 χ^2/NDF: 1064009.2/60



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -280.978+/-101.350 χ^2/NDF:9.5/13

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 97.546+/-104.802 χ^2/NDF:15.9/11

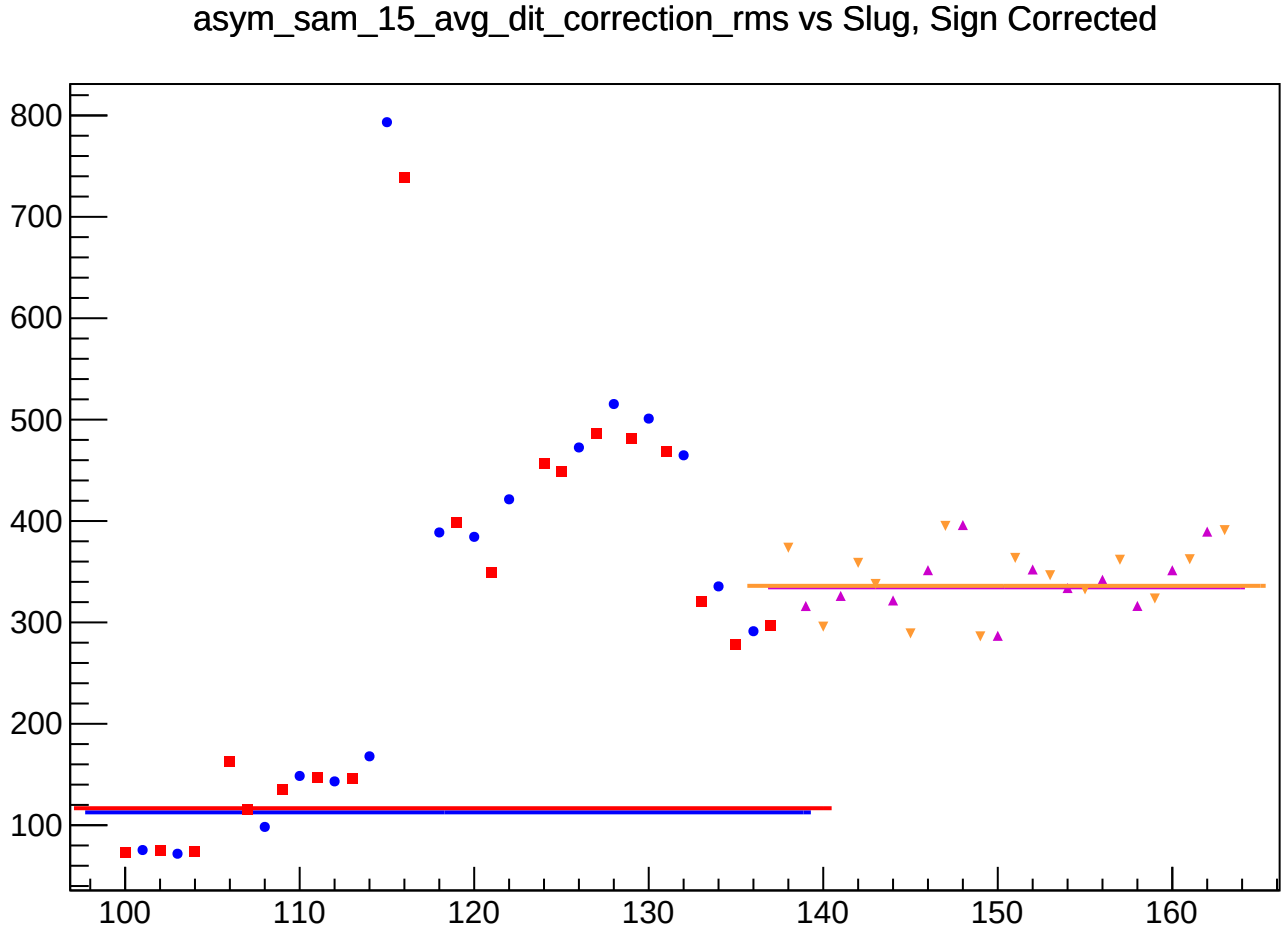
Left: -98.052+/-72.855 χ^2/NDF: 32.2/25

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 36.737+/-47.710 χ^2/NDF:31.0/27

Out: -94.628+/-47.112 χ^2/NDF:35.3/32

All: -29.774+/-33.523 χ^2/NDF: 70.2/60



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 336.078+/-0.072 χ^2/NDF:243464.0/13

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 334.602+/-0.074 χ^2/NDF:149817.2/11

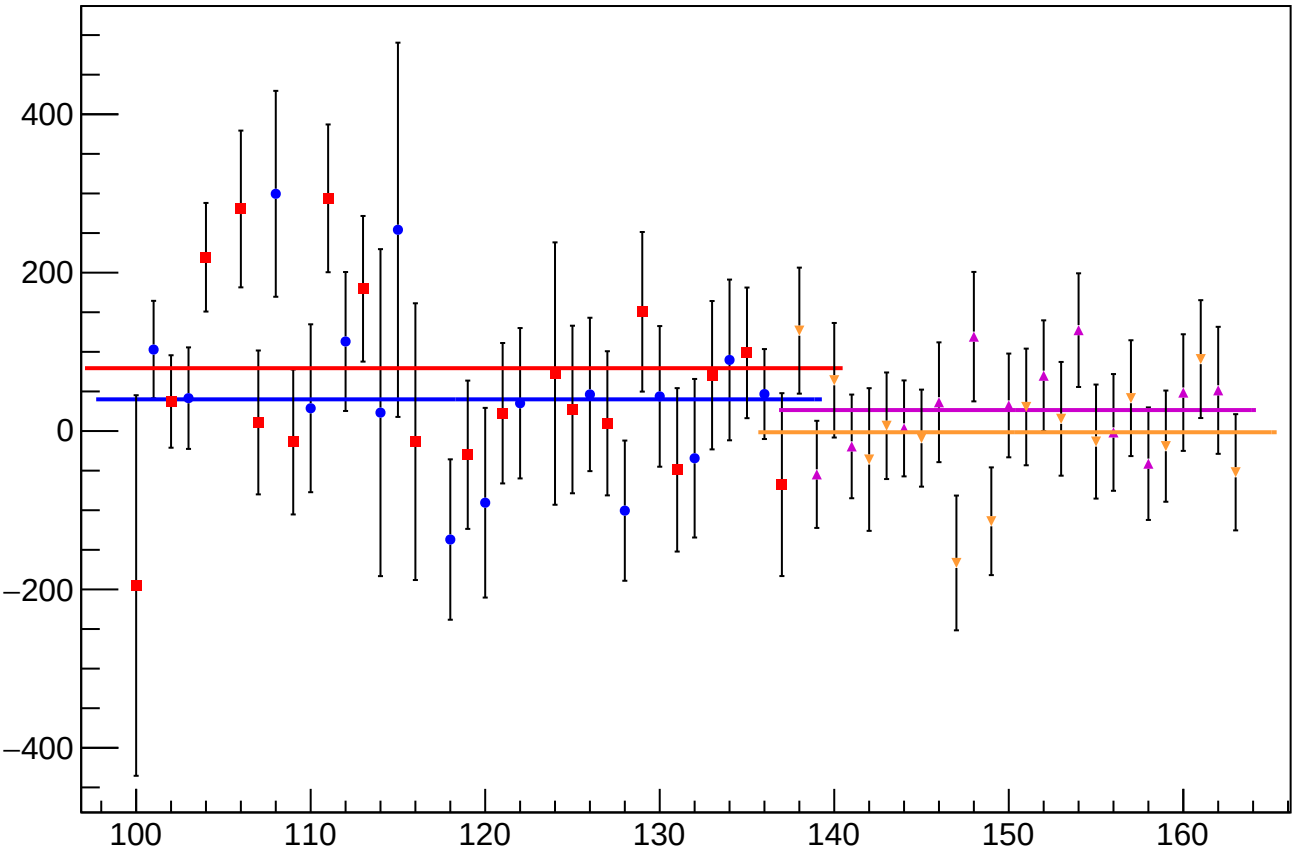
Left: 335.365+/-0.052 χ^2/NDF: 393486.4/25

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 158.663+/-0.034 χ^2/NDF:12859571.5/27

Out: 164.129+/-0.033 χ^2/NDF:12728502.8/32

All: 161.431+/-0.024 χ^2/NDF: 25601363.7/60



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -1.523+/-19.458 χ^2/NDF:12.8/13

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 26.491+/-20.401 χ^2/NDF:7.0/11

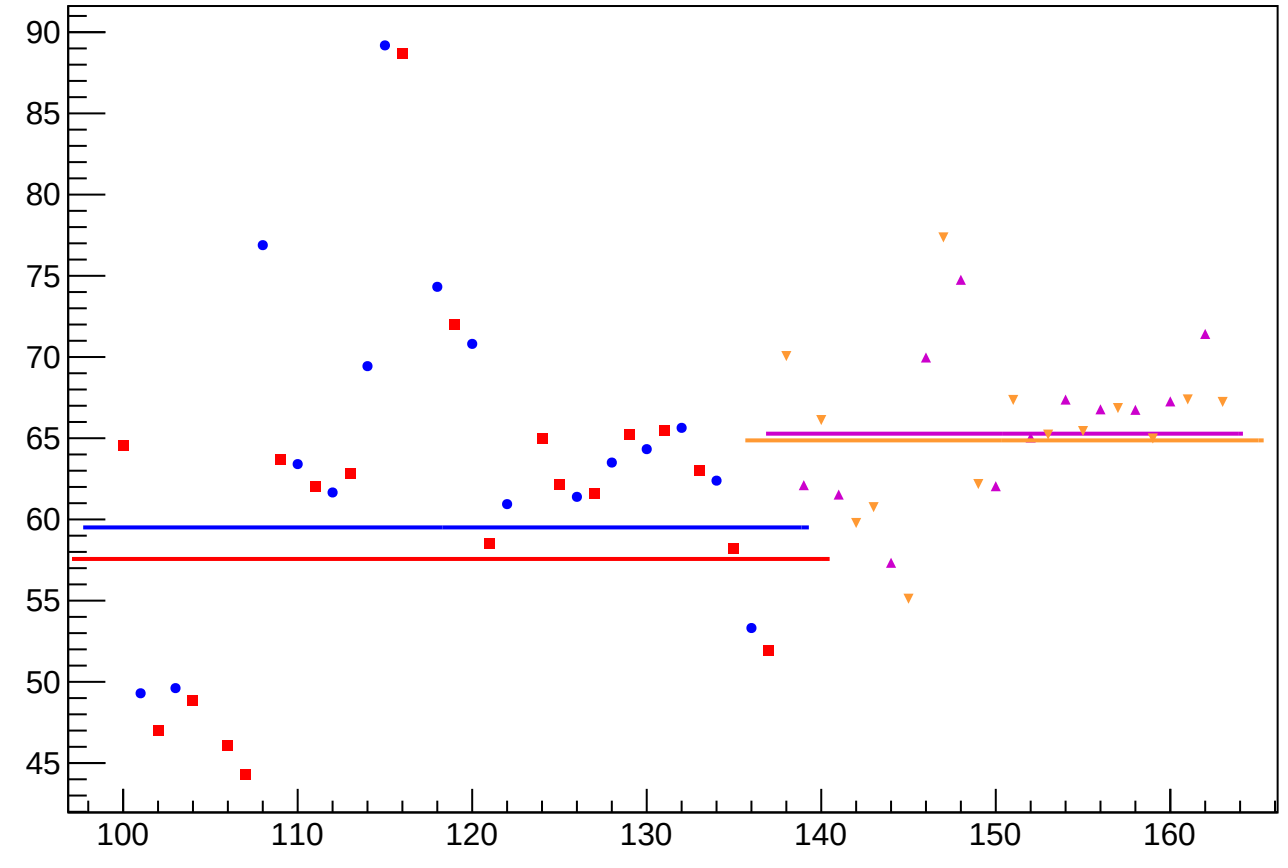
Left: 11.822+/-14.081 χ^2/NDF: 20.8/25

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 32.595+/-15.118 χ^2/NDF:21.3/27

Out: 34.762+/-14.450 χ^2/NDF:45.4/32

All: 33.727+/-10.446 χ^2/NDF: 66.7/60



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.867+/-0.014 χ^2/NDF:128193.5/13

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 65.281+/-0.014 χ^2/NDF:101429.8/11

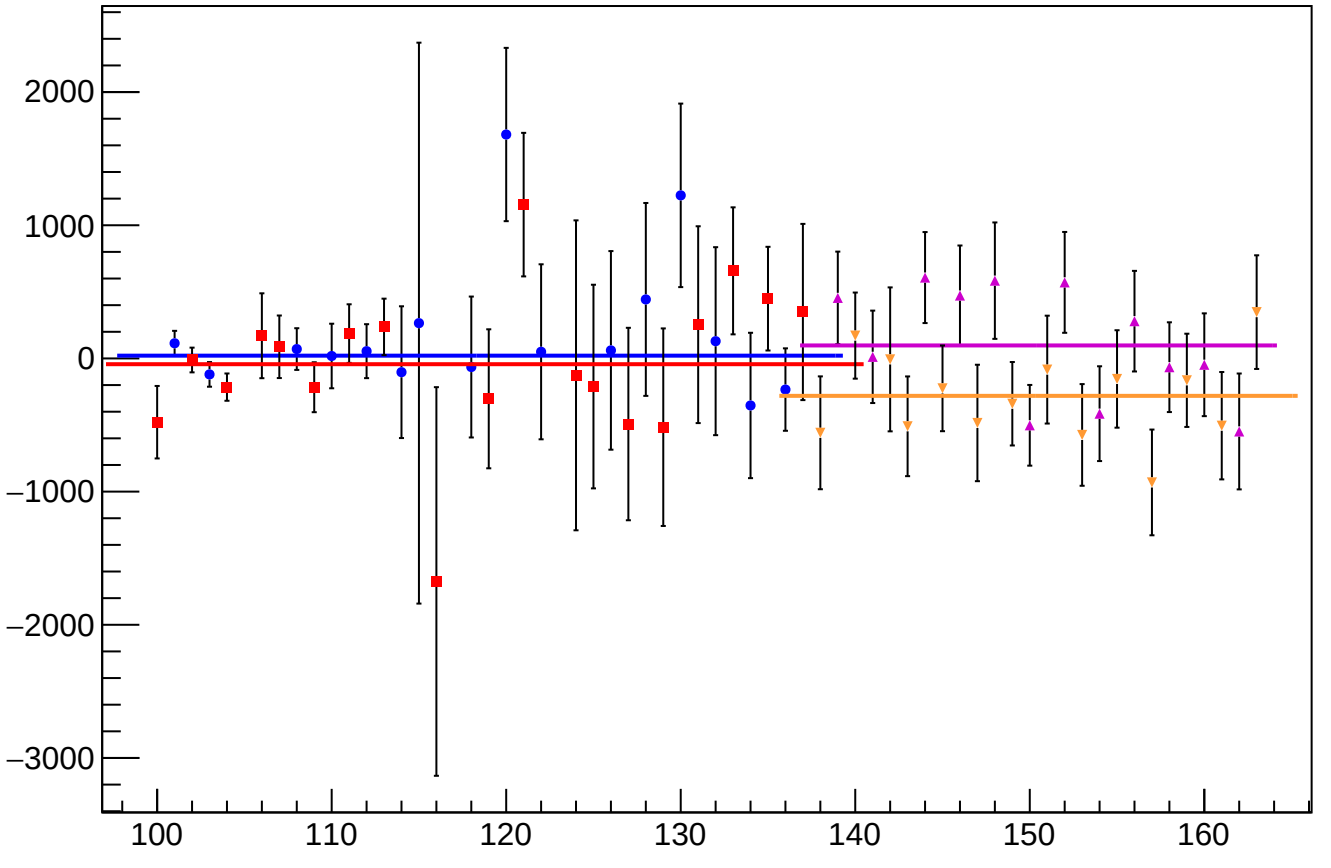
Left: 65.064+/-0.010 χ^2/NDF: 230053.6/25

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 62.678+/-0.011 χ^2/NDF:456800.2/27

Out: 61.593+/-0.010 χ^2/NDF:601827.9/32

All: 62.111+/-0.007 χ^2/NDF: 1064015.2/60



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -280.977+/-101.350 χ^2/NDF:9.5/13

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 97.546+/-104.802 χ^2/NDF:15.9/11

Left: -98.052+/-72.855 χ^2/NDF: 32.2/25

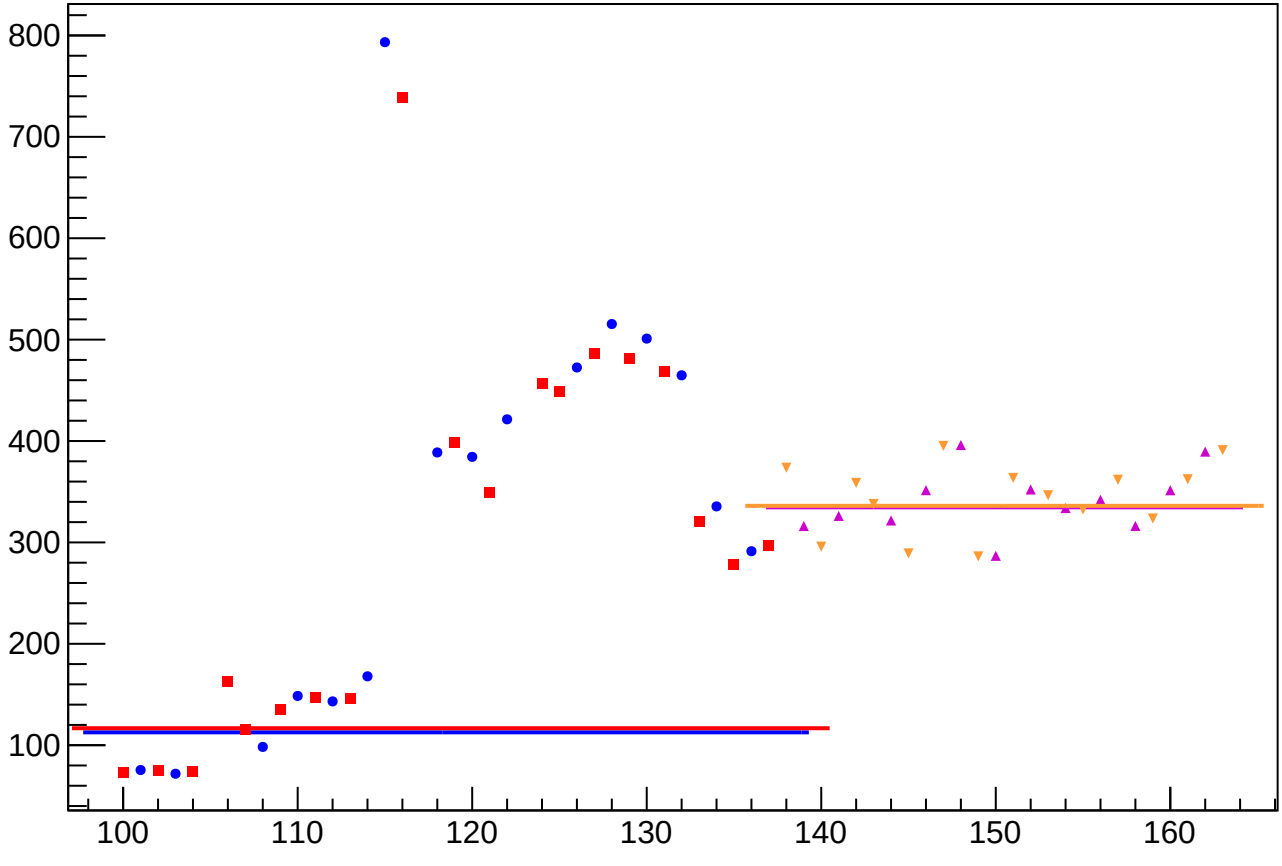
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 36.737+/-47.710 χ^2/NDF:31.0/27

Out: -94.627+/-47.112 χ^2/NDF:35.3/32

All: -29.774+/-33.523 χ^2/NDF: 70.2/60

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: 336.079+/-0.072 χ^2/NDF:243462.6/13

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 334.602+/-0.074 χ^2/NDF:149813.2/11

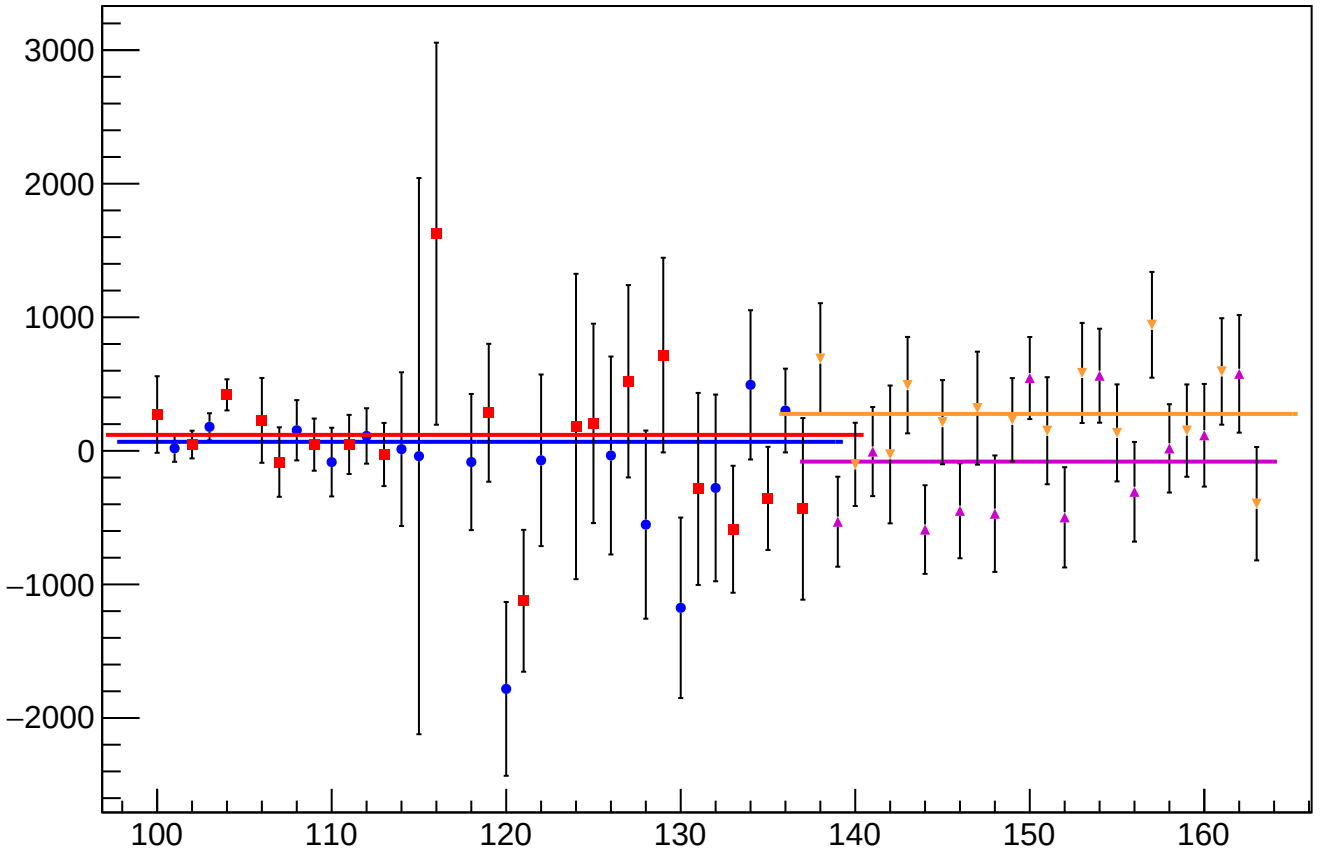
Left: 335.365+/-0.052 χ^2/NDF: 393480.9/25

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 158.663+/-0.034 χ^2/NDF:12859606.9/27

Out: 164.128+/-0.033 χ^2/NDF:12728560.3/32

All: 161.430+/-0.024 χ^2/NDF: 25601455.9/60



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 276.649+/-99.495 χ^2/NDF:10.3/13

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -80.626+/-103.084 χ^2/NDF:17.7/11

Left: 104.338+/-71.589 χ^2/NDF: 34.2/25

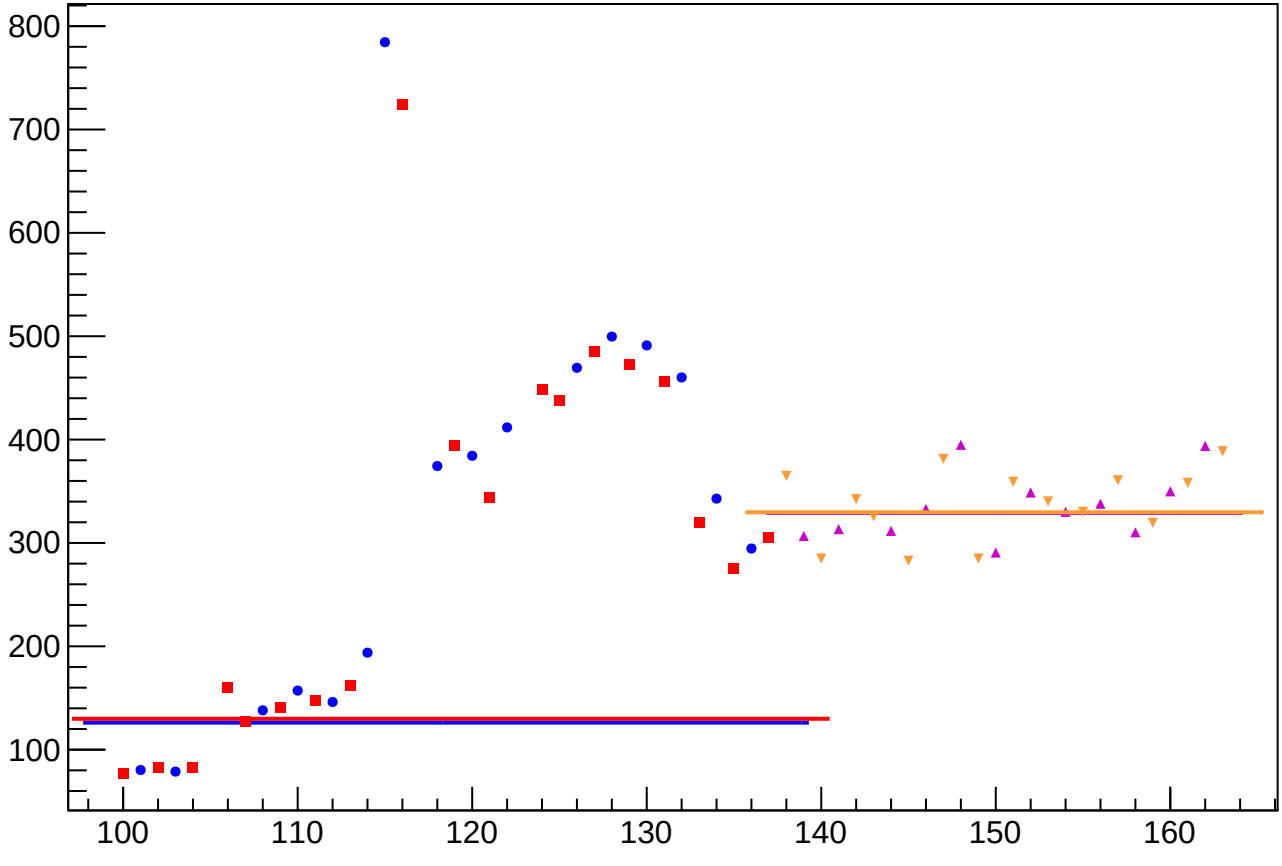
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 30.883+/-51.316 χ^2/NDF:35.1/27

Out: 159.398+/-50.070 χ^2/NDF:33.3/32

All: 96.721+/-35.837 χ^2/NDF: 71.5/60

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 329.676+/-0.070 χ^2/NDF:247777.9/13

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 328.981+/-0.073 χ^2/NDF:158158.5/11

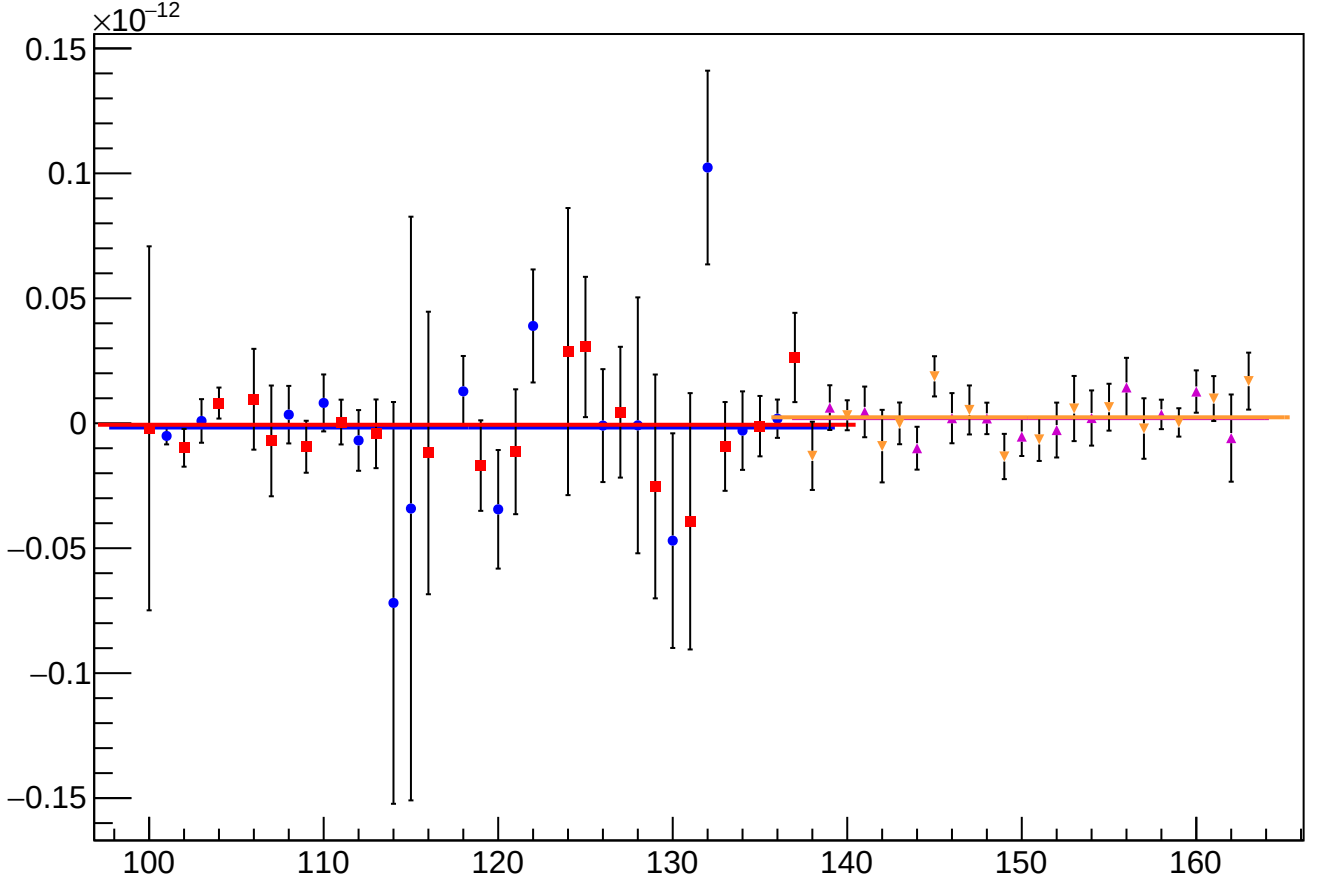
Left: 329.341+/-0.051 χ^2/NDF: 405983.4/25

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 176.418+/-0.036 χ^2/NDF:11202367.9/27

Out: 180.504+/-0.035 χ^2/NDF:10915885.4/32

All: 178.511+/-0.025 χ^2/NDF: 22124748.9/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/11

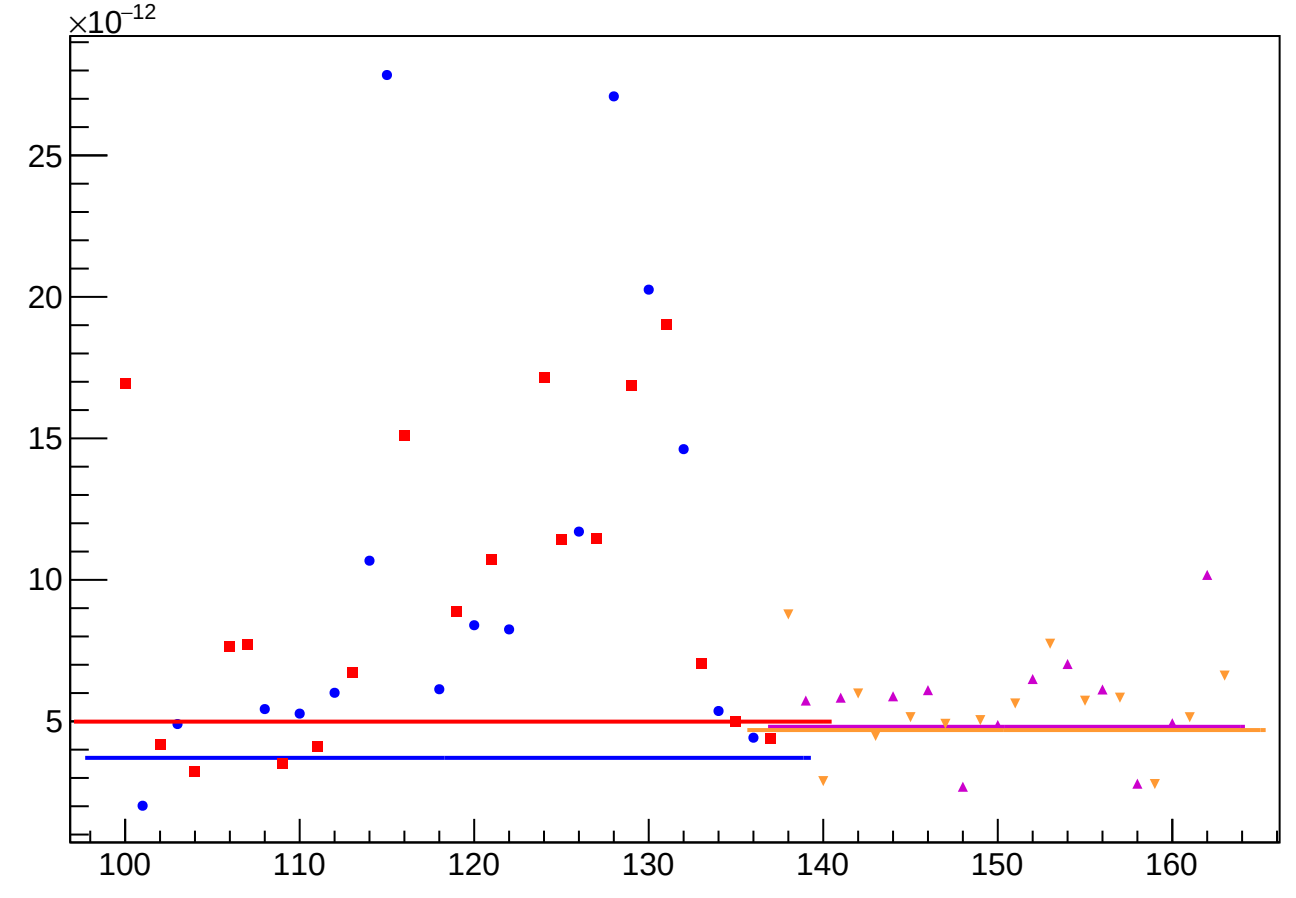
Left: 0.000+/-0.000 χ^2/NDF: 19.4/25

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.1/27

Out: 0.000+/-0.000 χ^2/NDF:24.2/32

All: 0.000+/-0.000 χ^2/NDF: 49.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:851211.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:908569.1/11

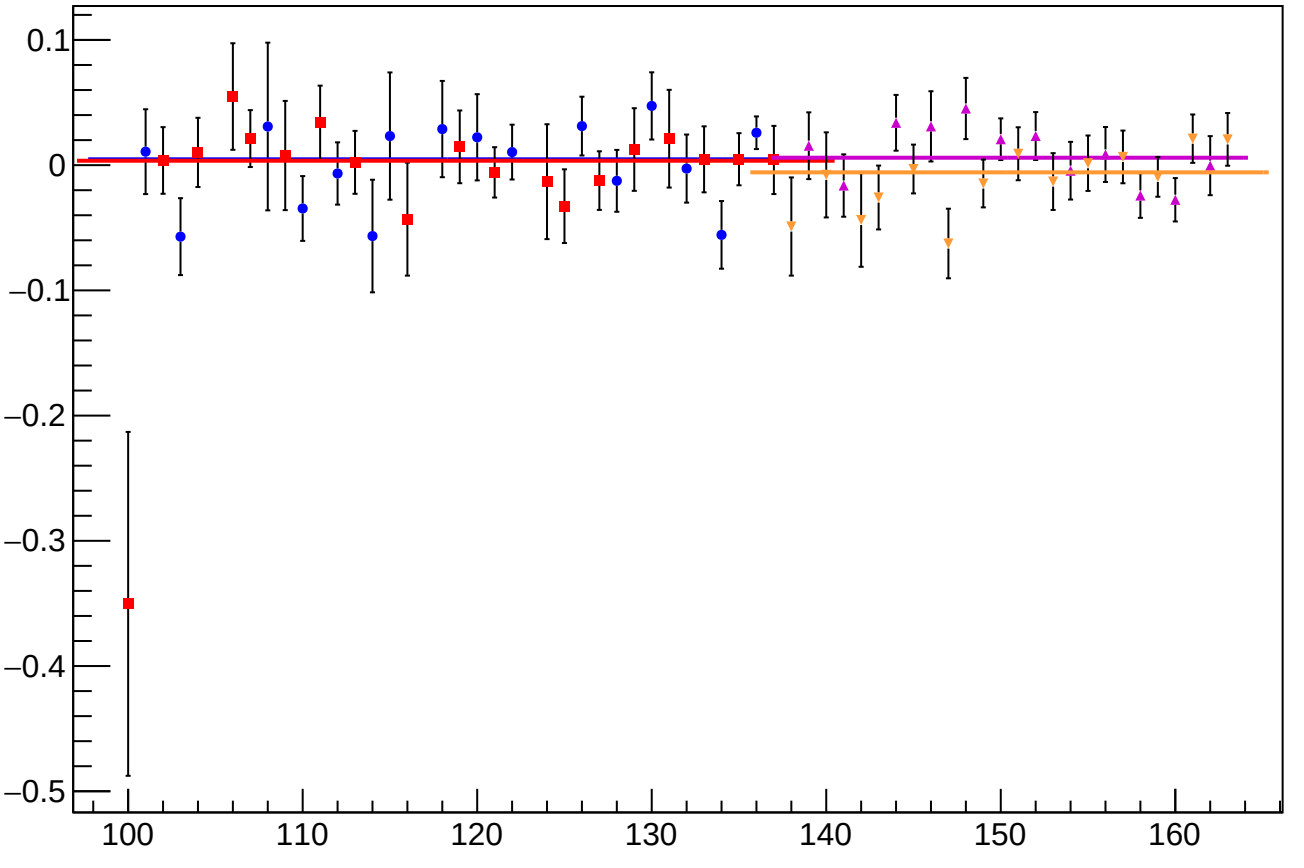
Left: 0.000+/-0.000 χ^2/NDF: 1761997.7/25

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3269708.1/27

Out: 0.000+/-0.000 χ^2/NDF:2157795.6/32

All: 0.000+/-0.000 χ^2/NDF: 5512131.2/60



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.4/11

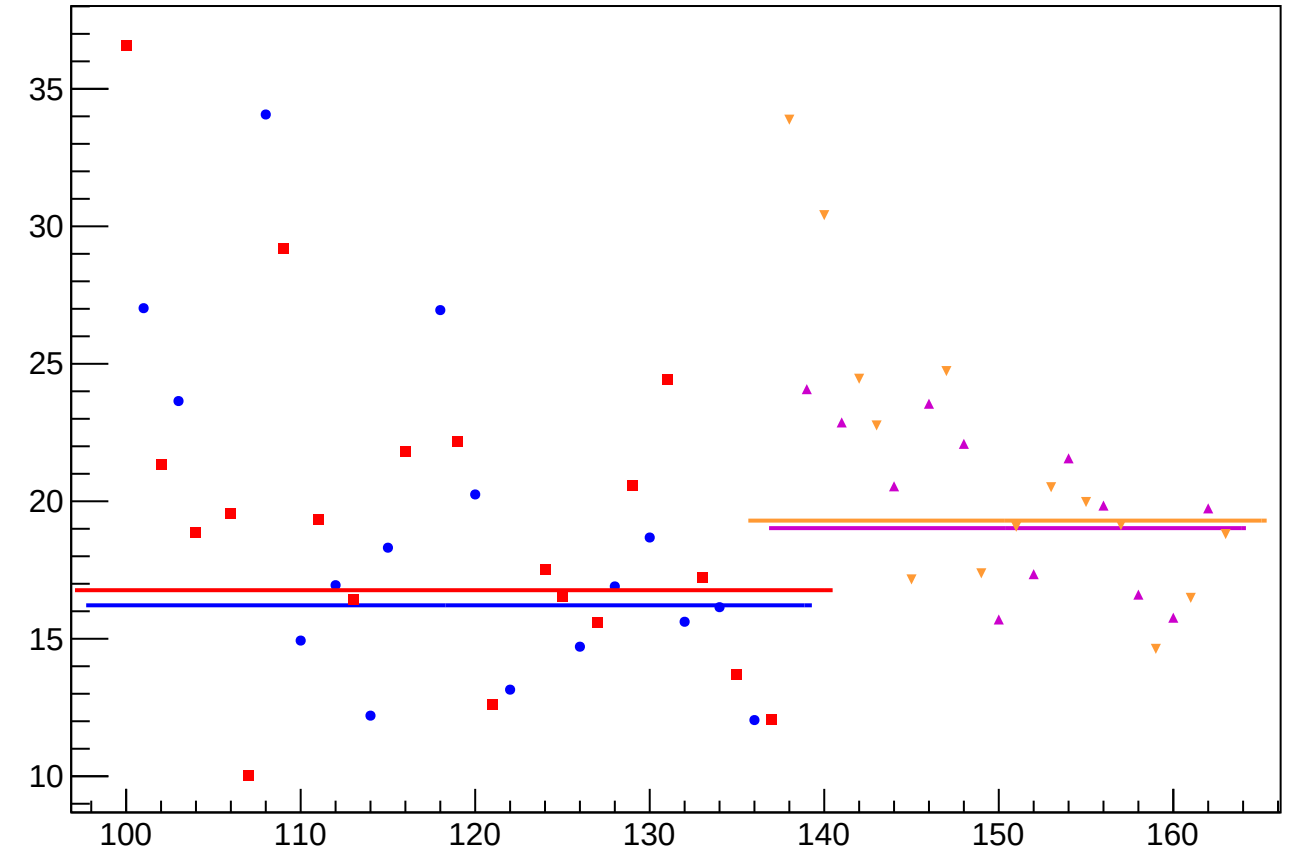
Left: -0.000+/-0.004 χ^2/NDF: 28.2/25

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:35.9/27

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 63.7/60



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.297+/-0.004 χ^2/NDF:910106.2/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.023+/-0.004 χ^2/NDF:443922.1/11

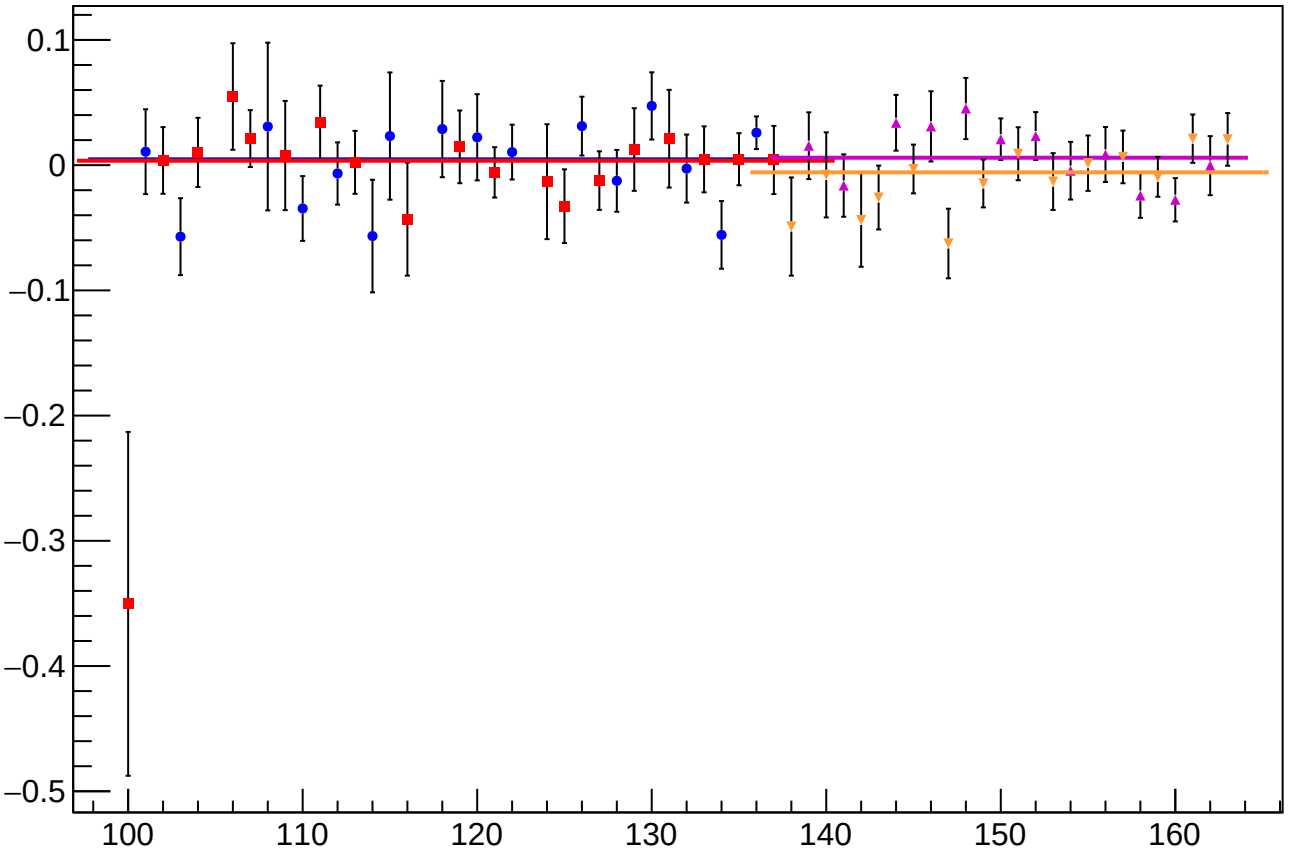
Left: 19.163+/-0.003 χ^2/NDF: 1356063.6/25

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.715+/-0.003 χ^2/NDF:1582951.5/27

Out: 18.158+/-0.003 χ^2/NDF:1937284.3/32

All: 17.938+/-0.002 χ^2/NDF: 3530093.1/60



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.4/11

Left: -0.000+/-0.004 χ^2/NDF: 28.2/25

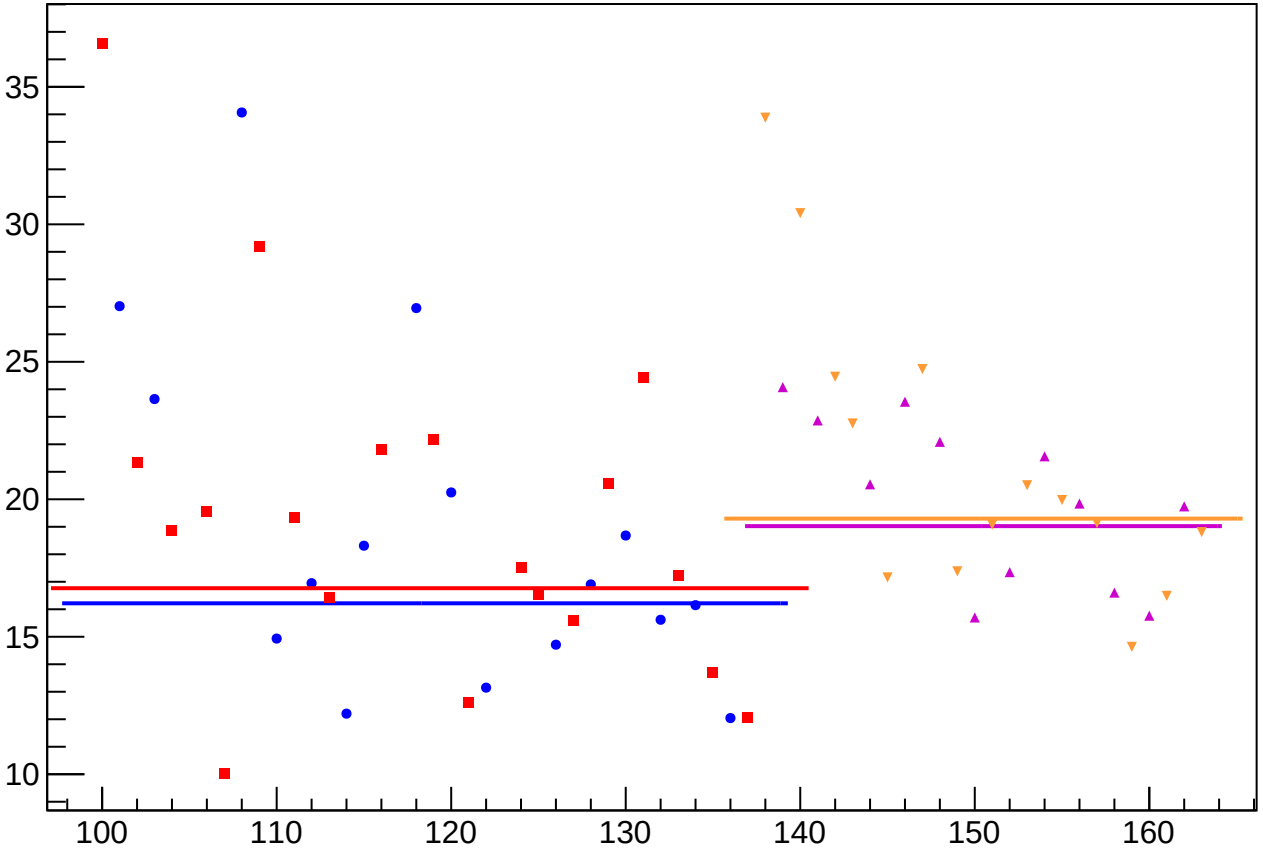
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:35.9/27

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 63.7/60

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: 19.297+/-0.004 χ^2/NDF:910106.2/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.023+/-0.004 χ^2/NDF:443922.1/11

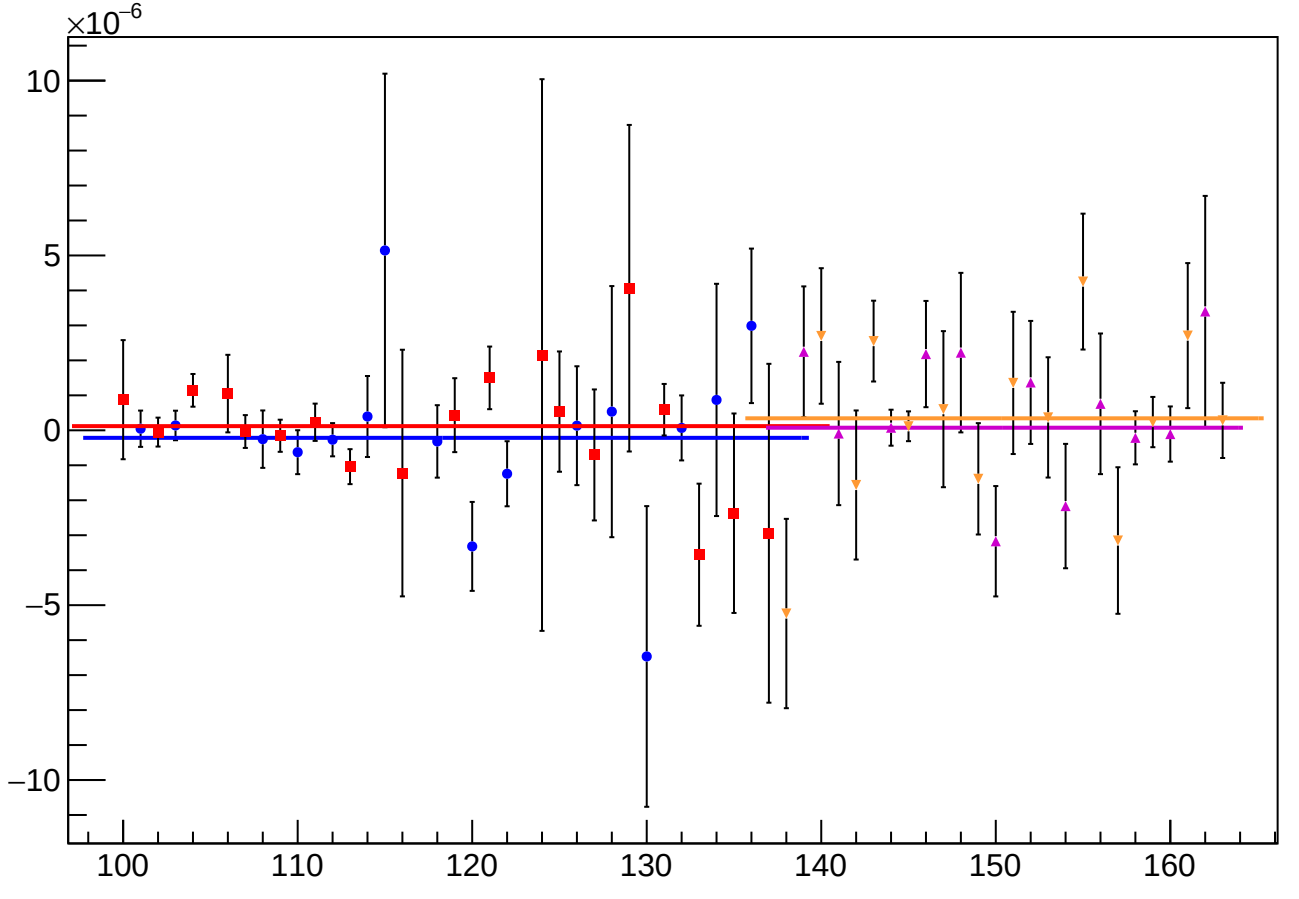
Left: 19.163+/-0.003 χ^2/NDF: 1356063.6/25

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.715+/-0.003 χ^2/NDF:1582951.5/27

Out: 18.158+/-0.003 χ^2/NDF:1937284.3/32

All: 17.938+/-0.002 χ^2/NDF: 3530093.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/11

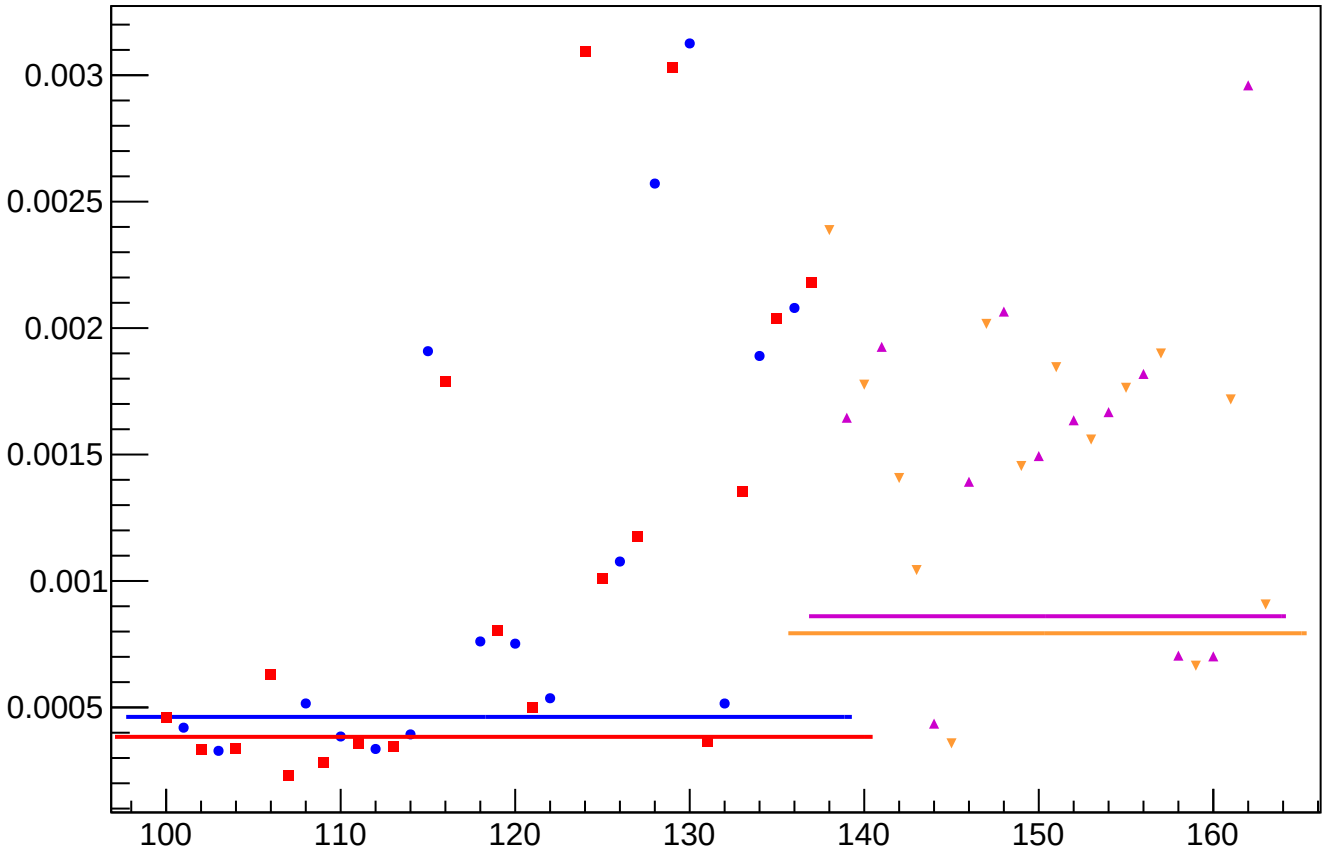
Left: 0.000+/-0.000 χ^2/NDF: 32.3/25

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:26.9/27

Out: 0.000+/-0.000 χ^2/NDF:40.7/32

All: 0.000+/-0.000 χ^2/NDF: 69.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6971799.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5608455.4/11

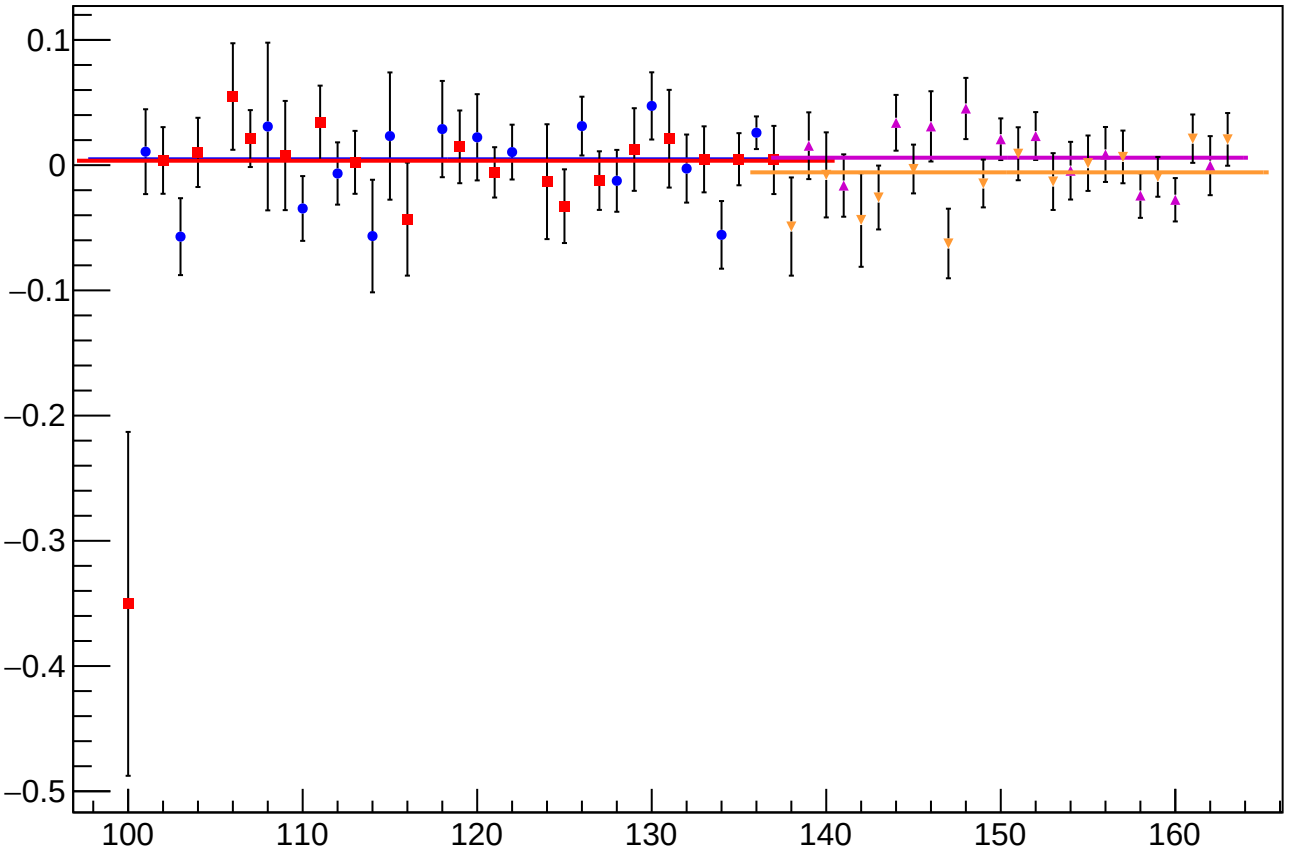
Left: 0.001+/-0.000 χ^2/NDF: 12628003.8/25

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:11783834.1/27

Out: 0.000+/-0.000 χ^2/NDF:13917209.0/32

All: 0.001+/-0.000 χ^2/NDF: 26013929.2/60



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.4/11

Left: -0.000+/-0.004 χ^2/NDF: 28.2/25

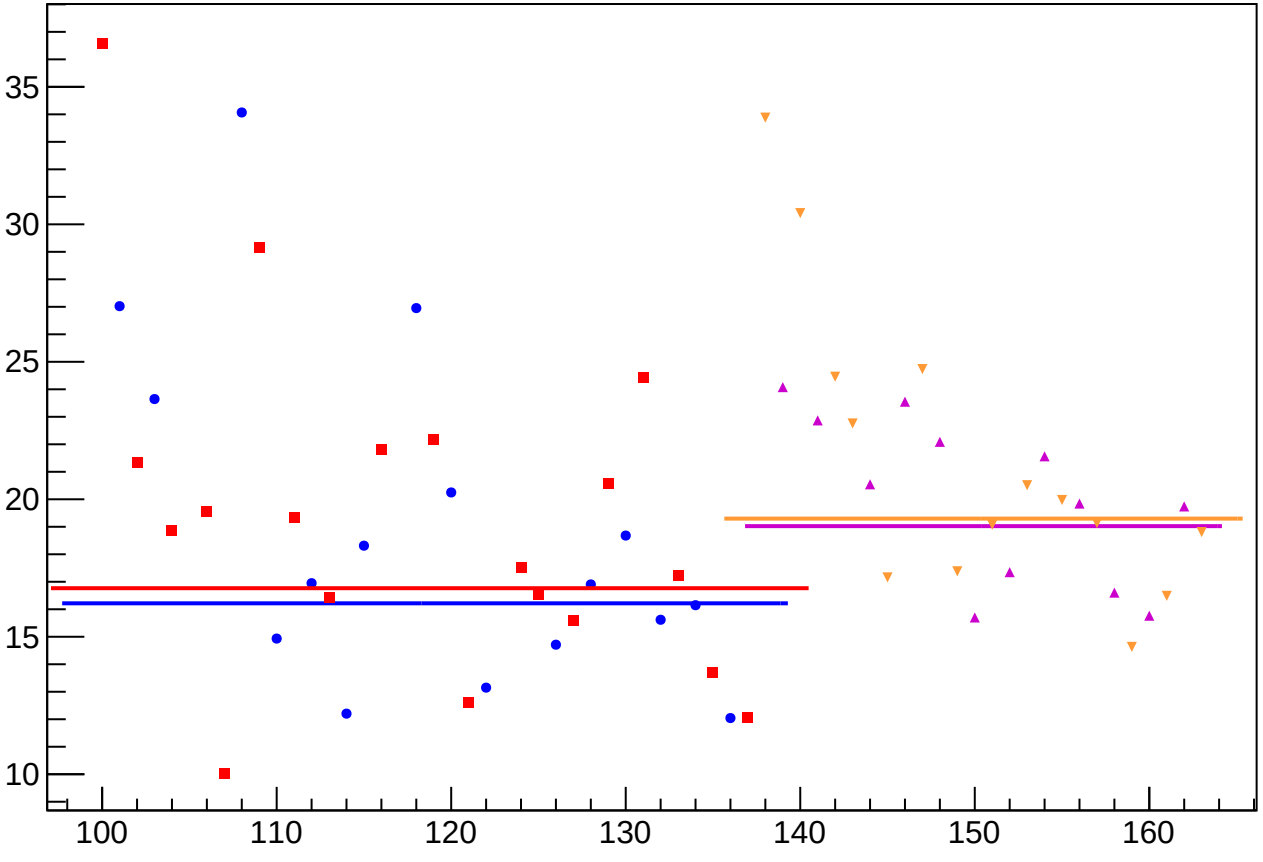
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:35.9/27

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 63.7/60

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: 19.297+/-0.004 χ^2/NDF:910208.0/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.023+/-0.004 χ^2/NDF:444019.2/11

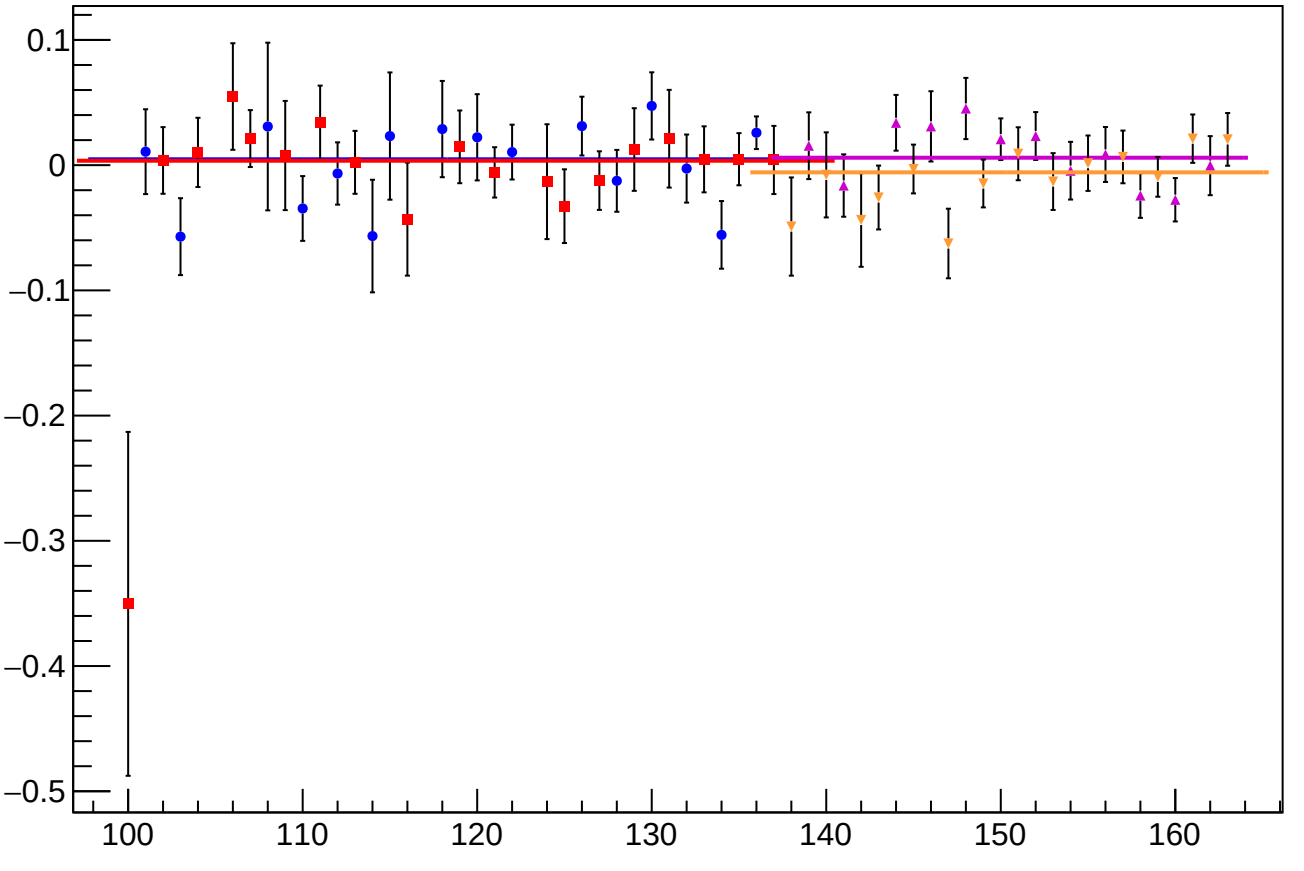
Left: 19.163+/-0.003 χ^2/NDF: 1356263.7/25

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.715+/-0.003 χ^2/NDF:1583029.1/27

Out: 18.158+/-0.003 χ^2/NDF:1937403.8/32

All: 17.938+/-0.002 χ^2/NDF: 3530291.6/60



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.006 χ^2/NDF:11.9/13

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.006 χ^2/NDF:14.4/11

Left: -0.000+/-0.004 χ^2/NDF: 28.2/25

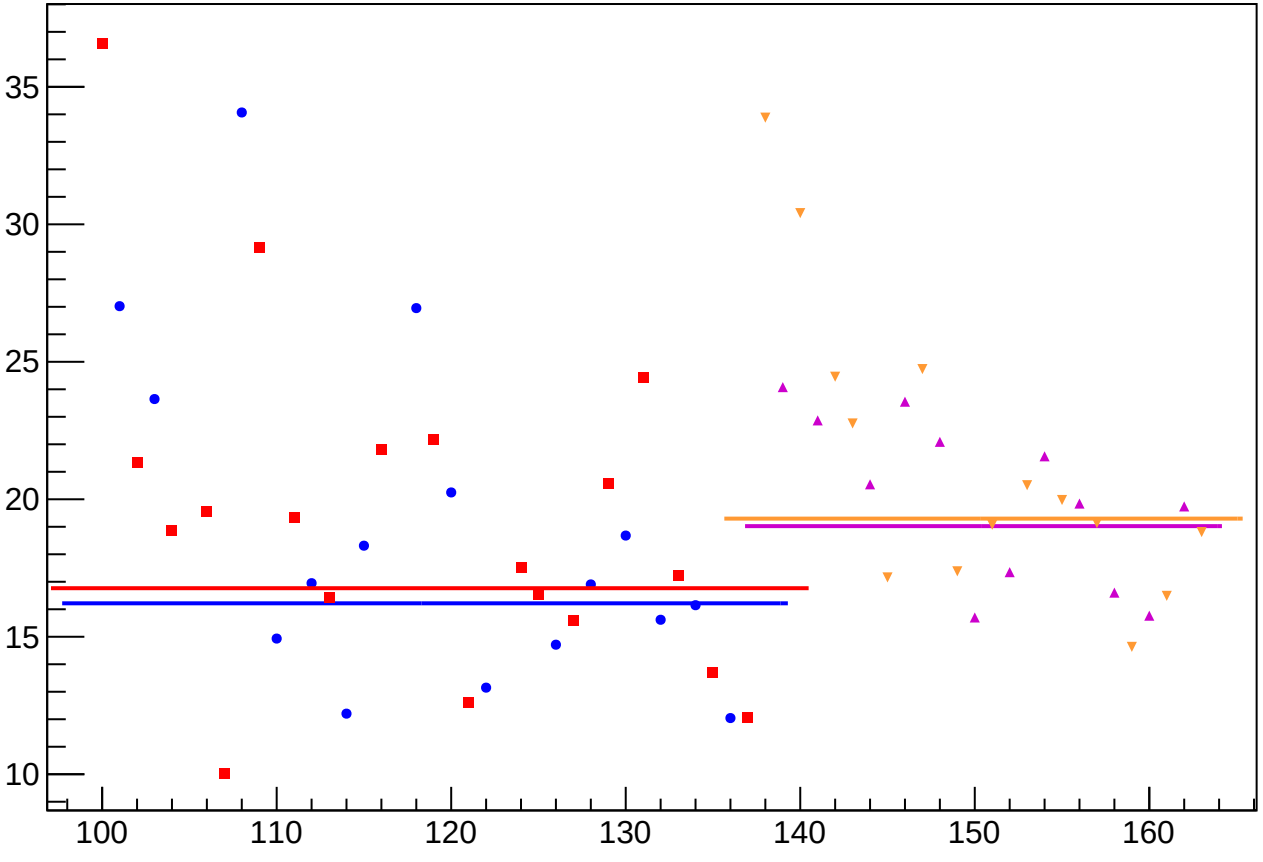
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:35.9/27

Out: -0.002+/-0.004 χ^2/NDF:26.6/32

All: 0.002+/-0.003 χ^2/NDF: 63.7/60

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: 19.297+/-0.004 χ^2/NDF:910208.0/13

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.023+/-0.004 χ^2/NDF:444019.2/11

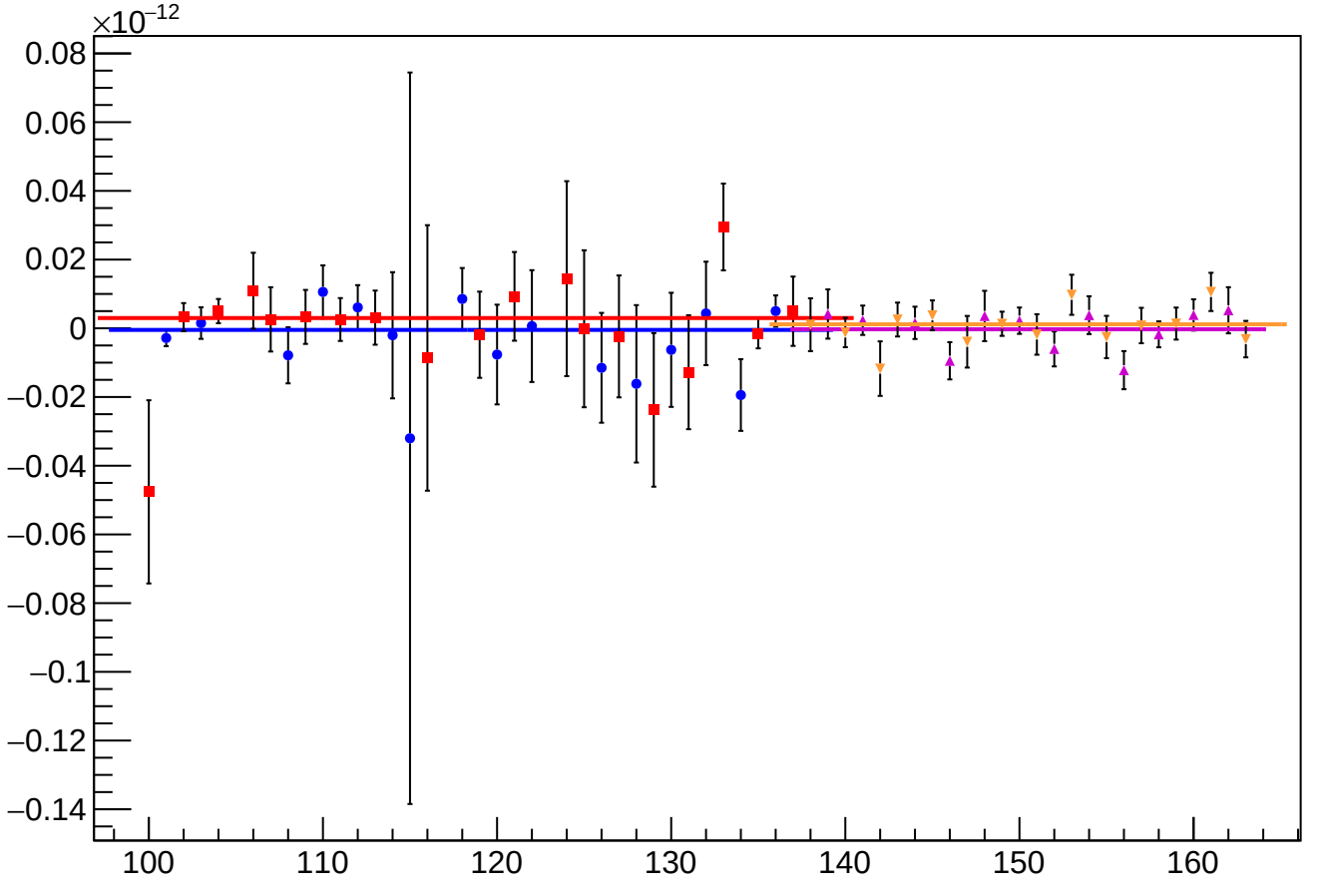
Left: 19.163+/-0.003 χ^2/NDF: 1356263.7/25

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.715+/-0.003 χ^2/NDF:1583029.1/27

Out: 18.158+/-0.003 χ^2/NDF:1937403.8/32

All: 17.938+/-0.002 χ^2/NDF: 3530291.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/11

Left: 0.000+/-0.000 χ^2/NDF: 23.3/25

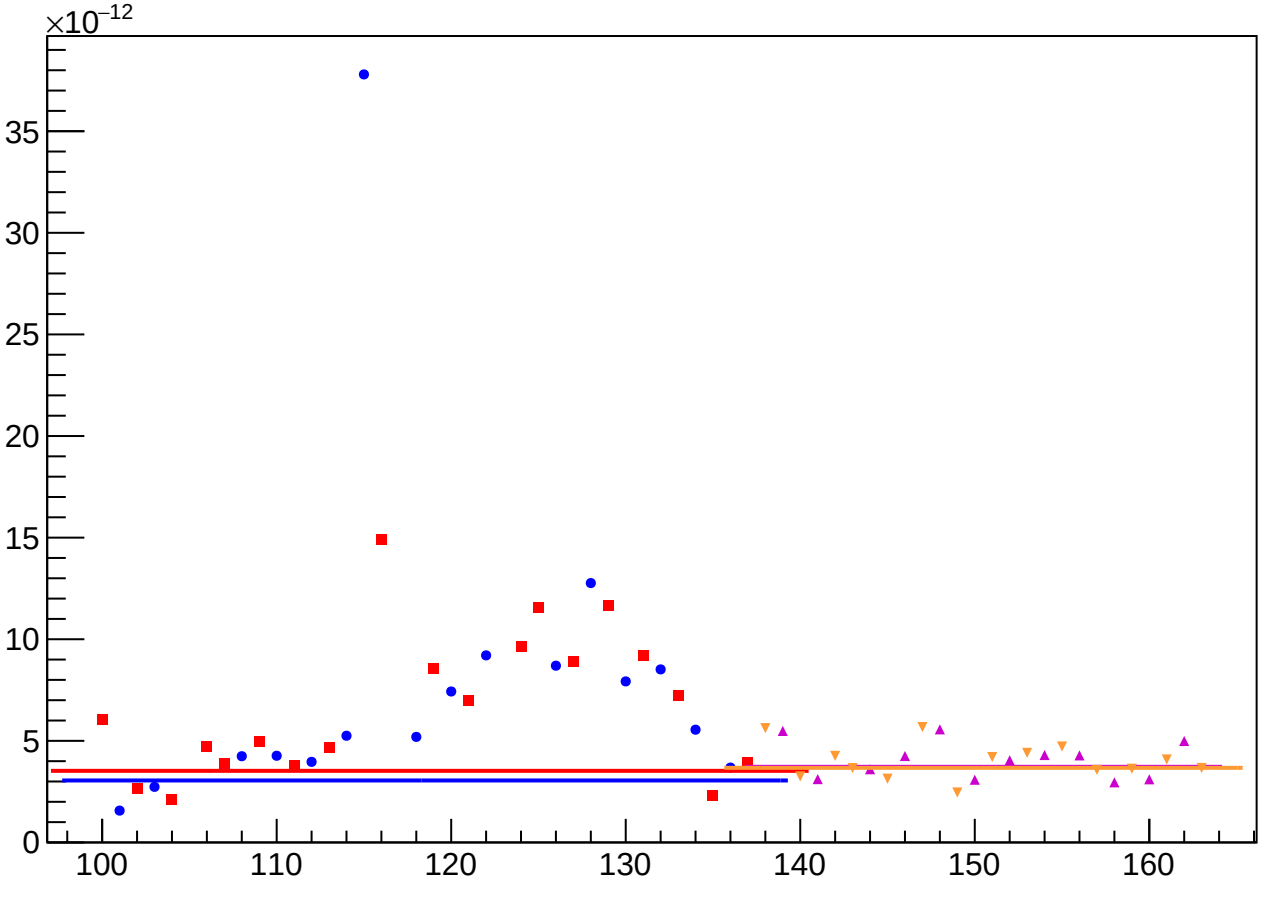
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:24.9/27

Out: 0.000+/-0.000 χ^2/NDF:23.8/32

All: 0.000+/-0.000 χ^2/NDF: 50.8/60

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:687566.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:603908.5/11

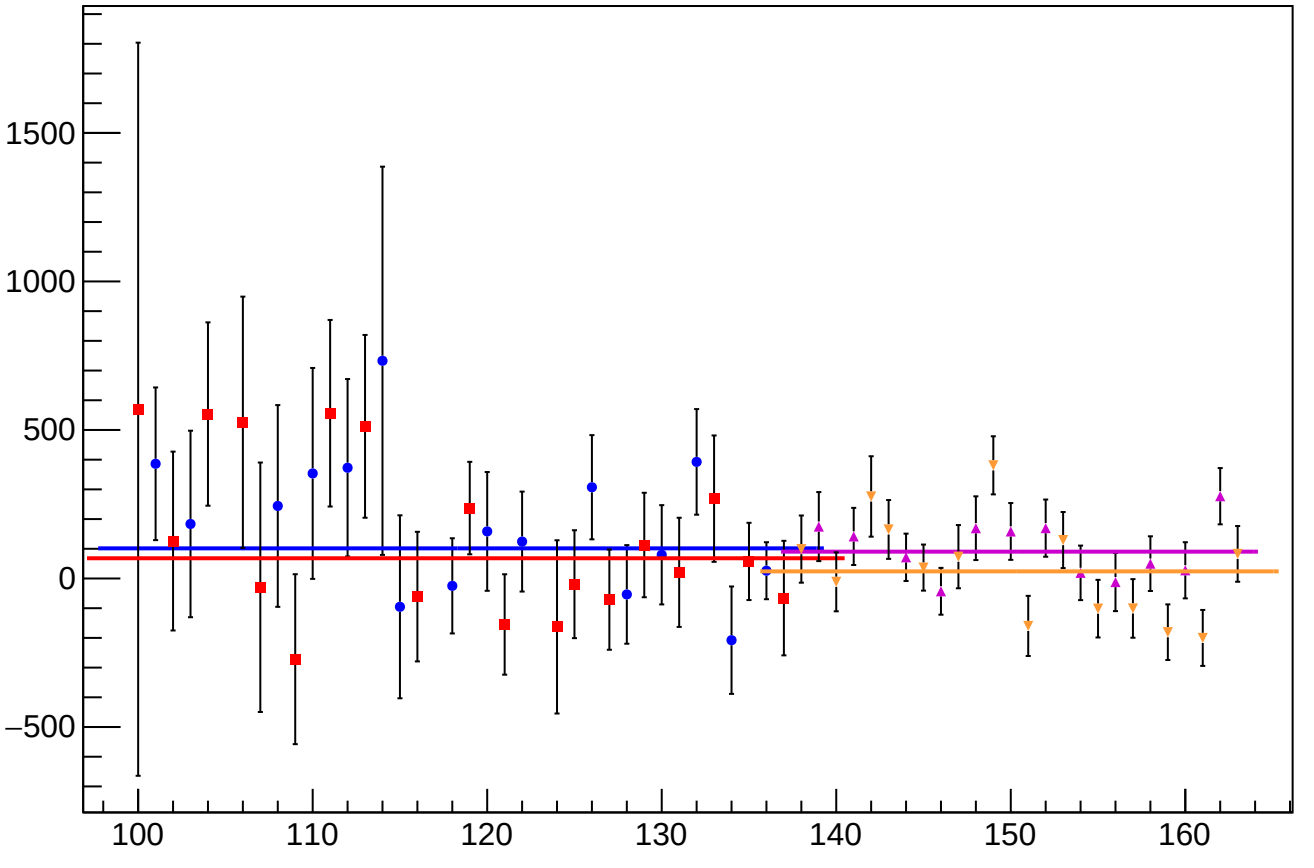
Left: 0.000+/-0.000 χ^2/NDF: 1292689.4/25

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:3731325.6/27

Out: 0.000+/-0.000 χ^2/NDF:3255227.8/32

All: 0.000+/-0.000 χ^2/NDF: 7015994.7/60



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 24.015+/-26.218 χ^2/NDF:38.3/13

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 90.337+/-27.021 χ^2/NDF:11.7/11

Left: 56.175+/-18.816 χ^2/NDF: 53.1/25

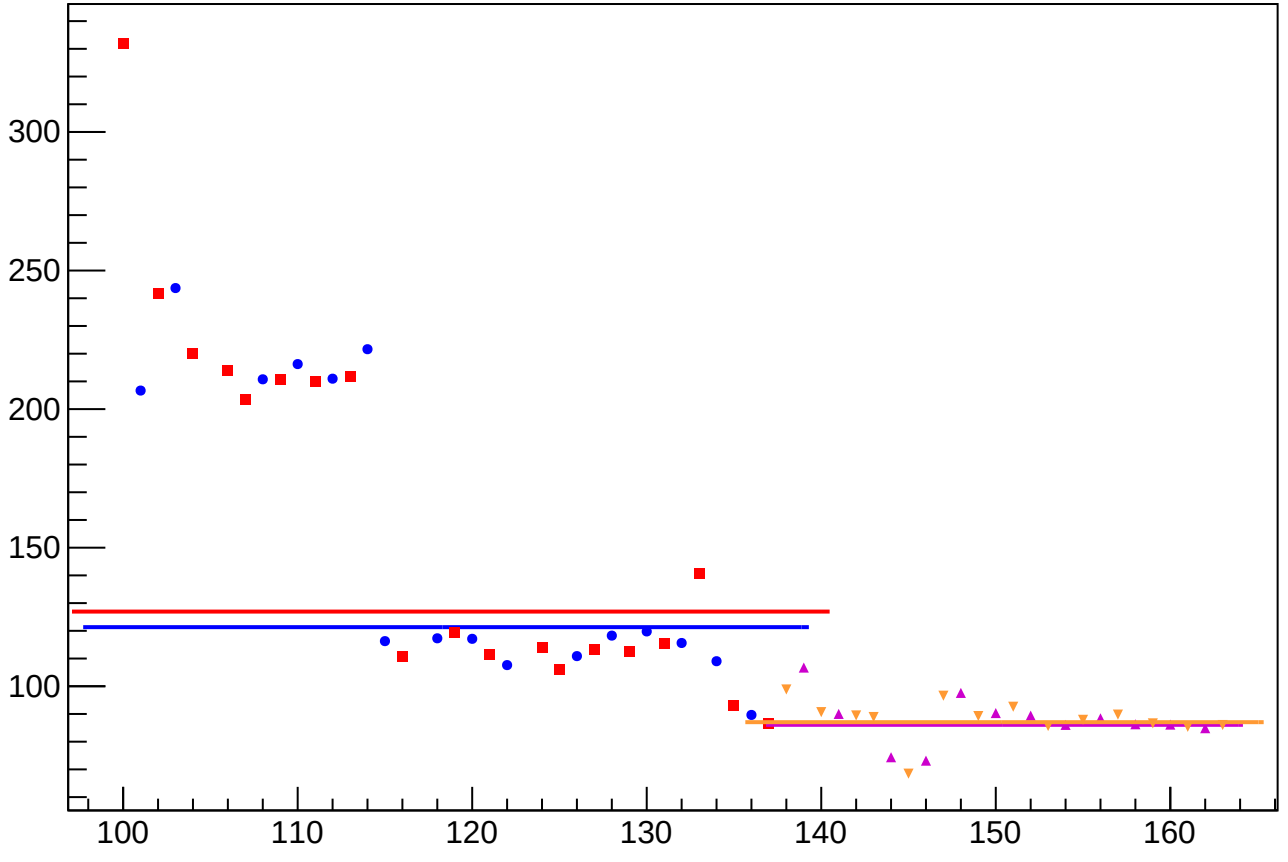
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 93.045+/-23.503 χ^2/NDF:25.1/27

Out: 33.727+/-23.151 χ^2/NDF:55.0/32

All: 62.939+/-16.493 χ^2/NDF: 83.3/60

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 86.083+/-0.019 χ^2/NDF:194390.1/11

Left: 86.575+/-0.013 χ^2/NDF: 362480.0/25

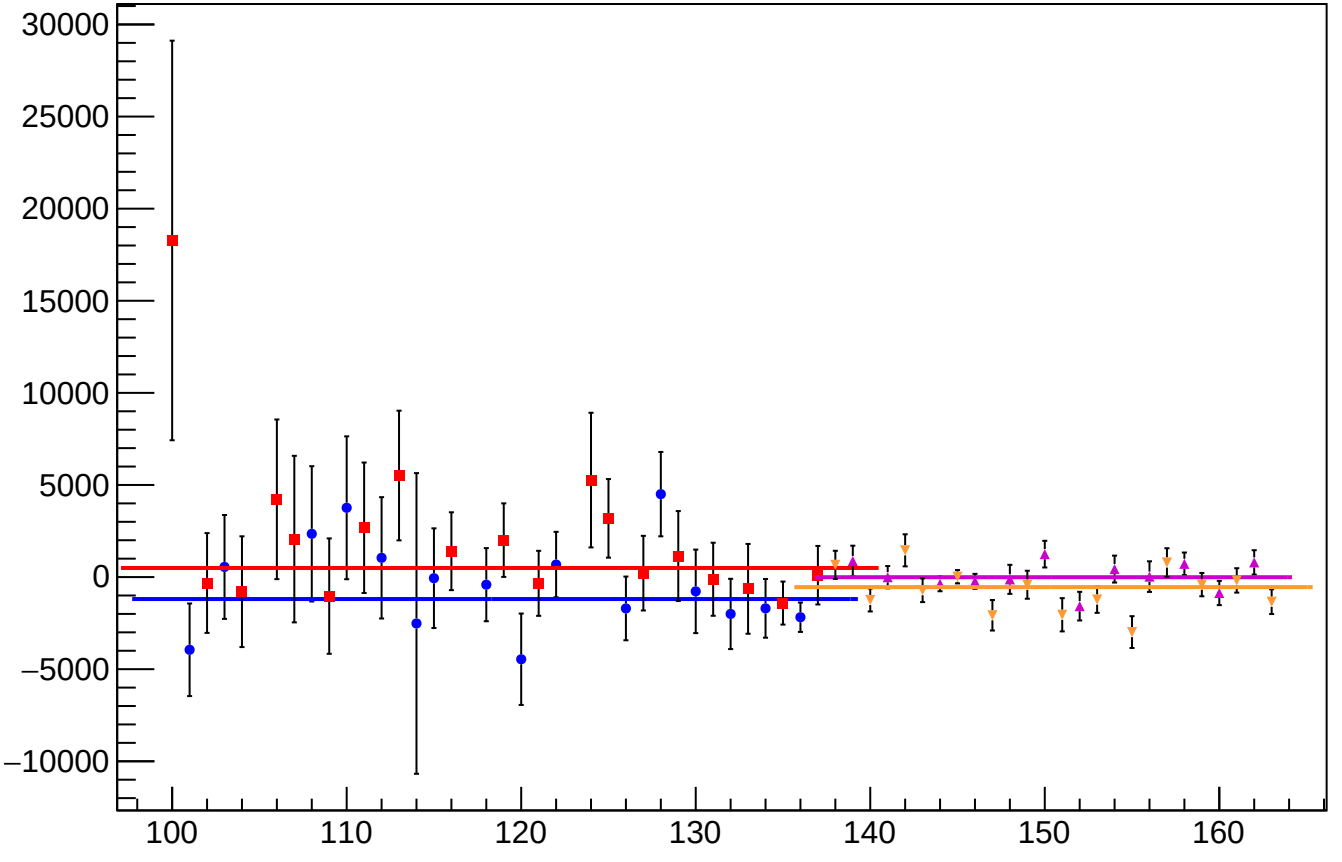
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 94.664+/-0.017 χ^2/NDF:2309397.8/27

Out: 95.829+/-0.016 χ^2/NDF:2659043.6/32

All: 95.255+/-0.012 χ^2/NDF: 4970936.2/60

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: -544.655+/-176.856 χ^2/NDF:31.3/13

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: -7.263+/-176.601 χ^2/NDF:14.3/11

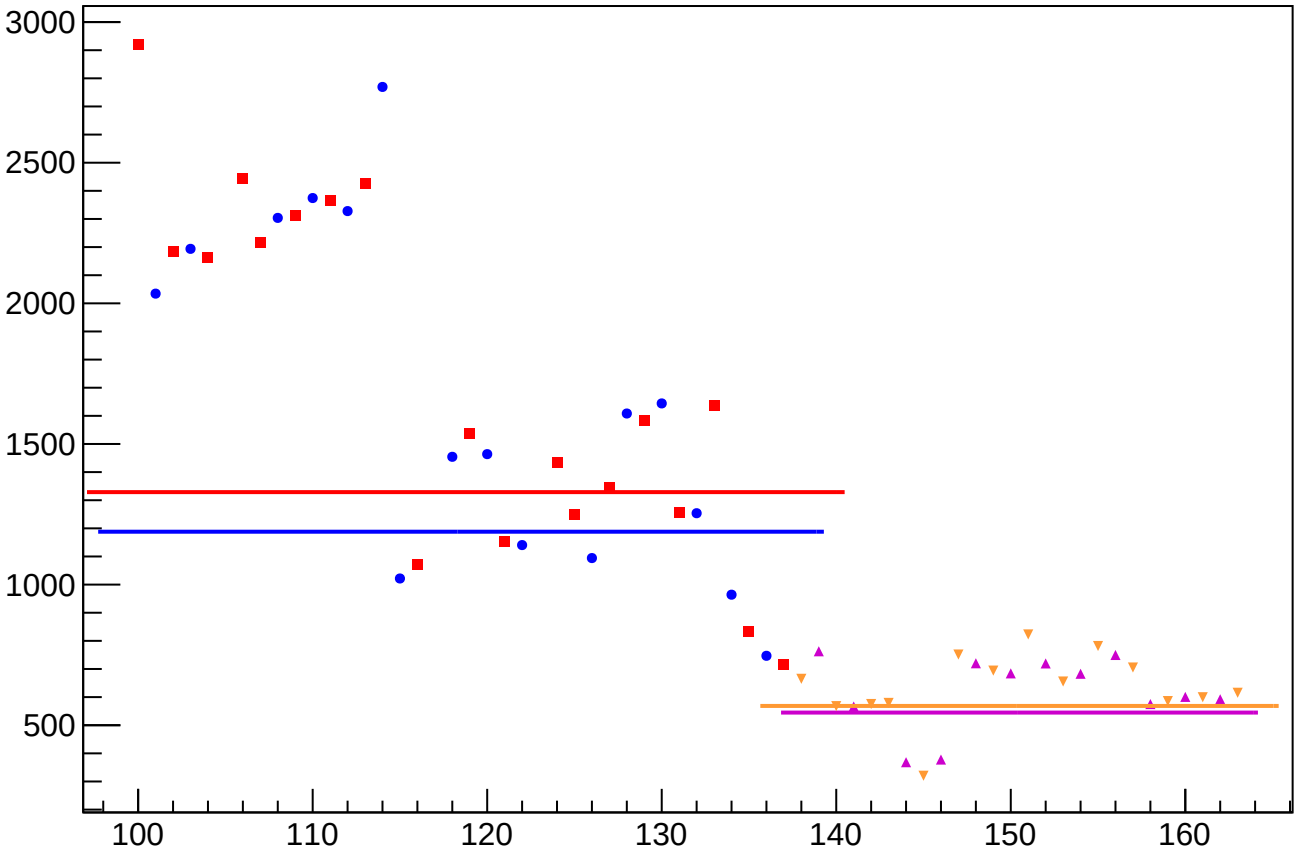
Left: -275.571+/-124.966 χ^2/NDF: 50.2/25

Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -149.102+/-165.694 χ^2/NDF:35.6/27

Out: -437.551+/-167.496 χ^2/NDF:48.7/32

All: -291.767+/-117.795 χ^2/NDF: 85.8/60



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 568.617+/-0.125 χ^2/NDF:1510792.0/13

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 545.015+/-0.125 χ^2/NDF:1354647.6/11

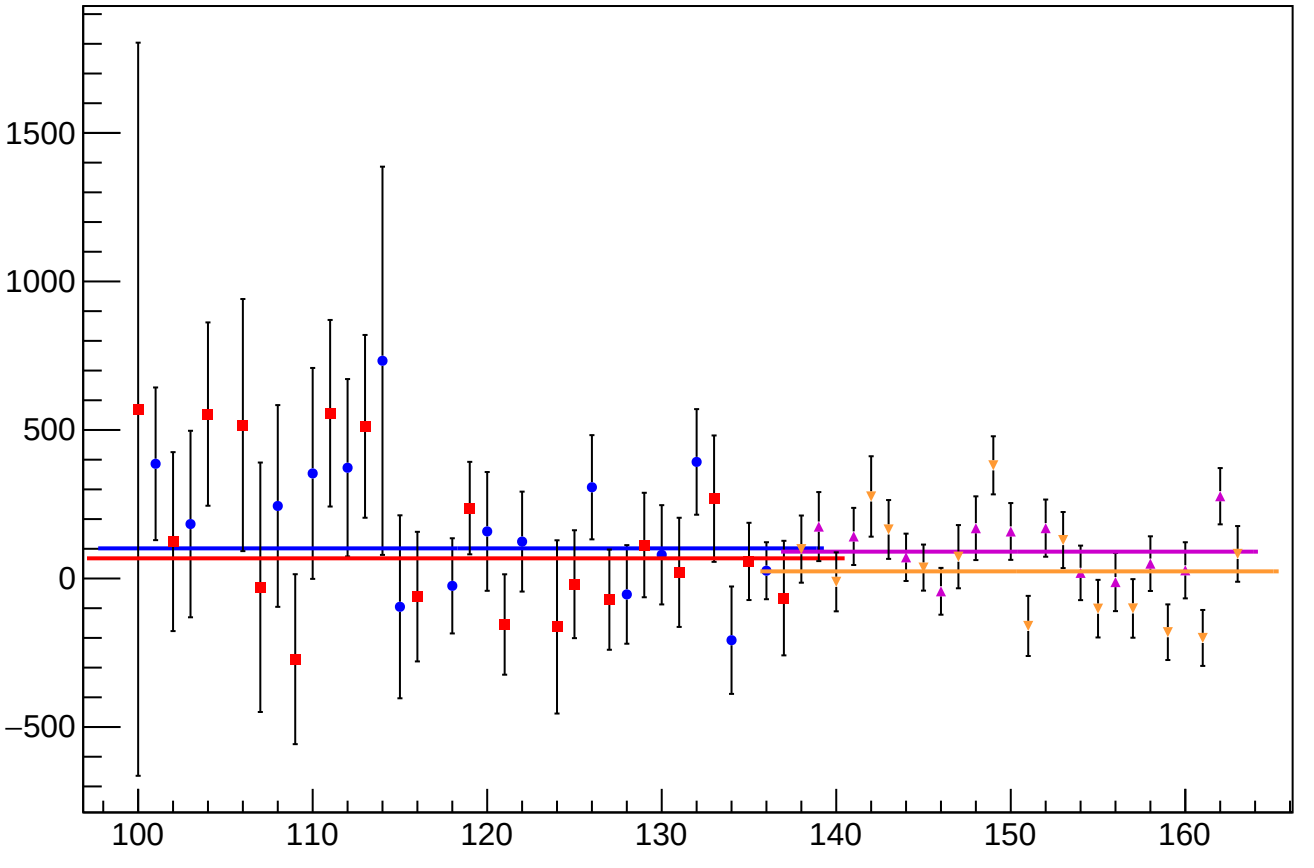
Left: 556.799+/-0.088 χ^2/NDF: 2883274.6/25

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 621.991+/-0.117 χ^2/NDF:6573598.7/27

Out: 646.960+/-0.118 χ^2/NDF:7276723.3/32

All: 634.340+/-0.083 χ^2/NDF: 13872783.3/60



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 90.335+/-27.021 χ^2/NDF:11.7/11

Left: 56.176+/-18.816 χ^2/NDF: 53.1/25

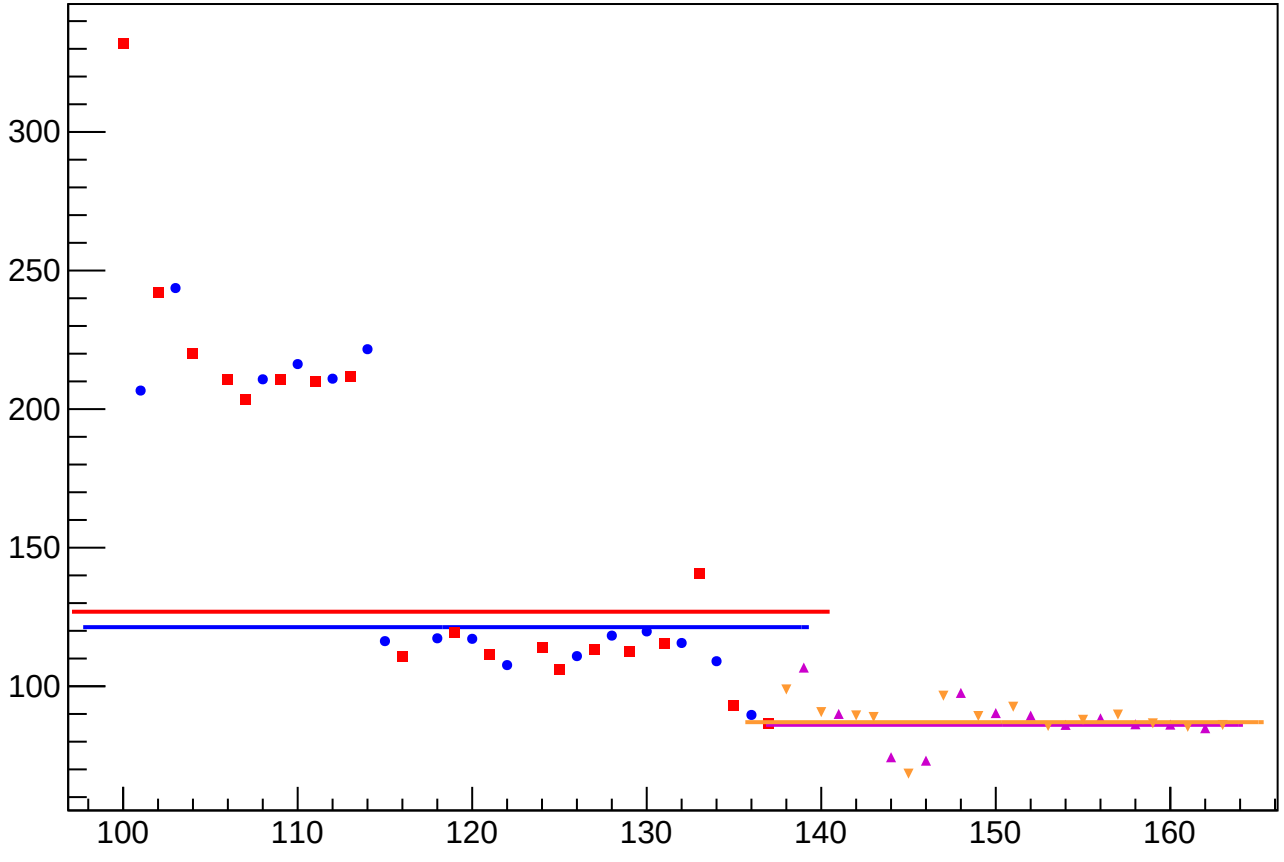
Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 93.041+/-23.503 χ^2/NDF:25.1/27

Out: 33.679+/-23.151 χ^2/NDF:55.0/32

All: 62.912+/-16.493 χ^2/NDF: 83.3/60

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.083+/-0.019 χ^2/NDF:194390.1/11

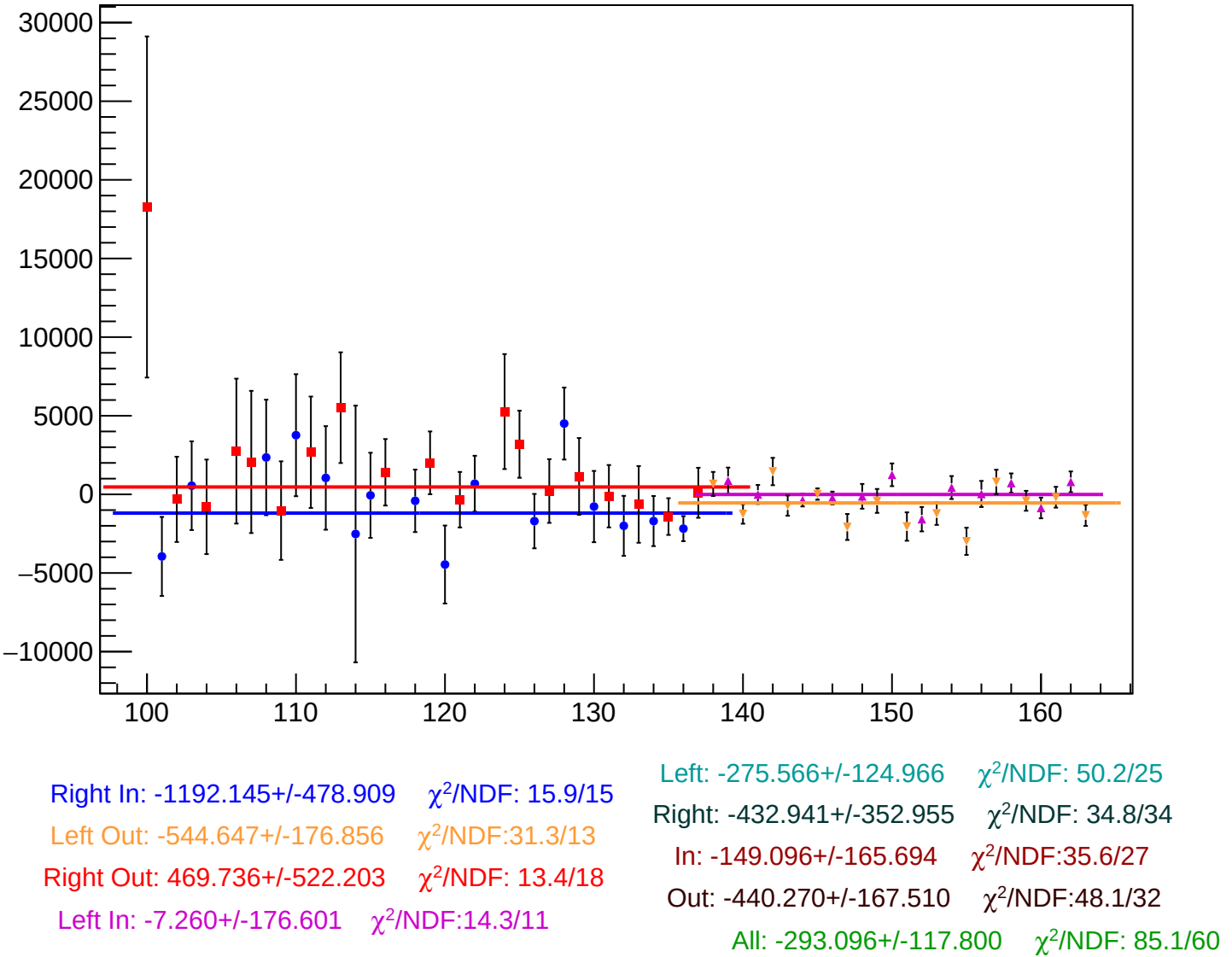
Left: 86.575+/-0.013 χ^2/NDF: 362480.0/25

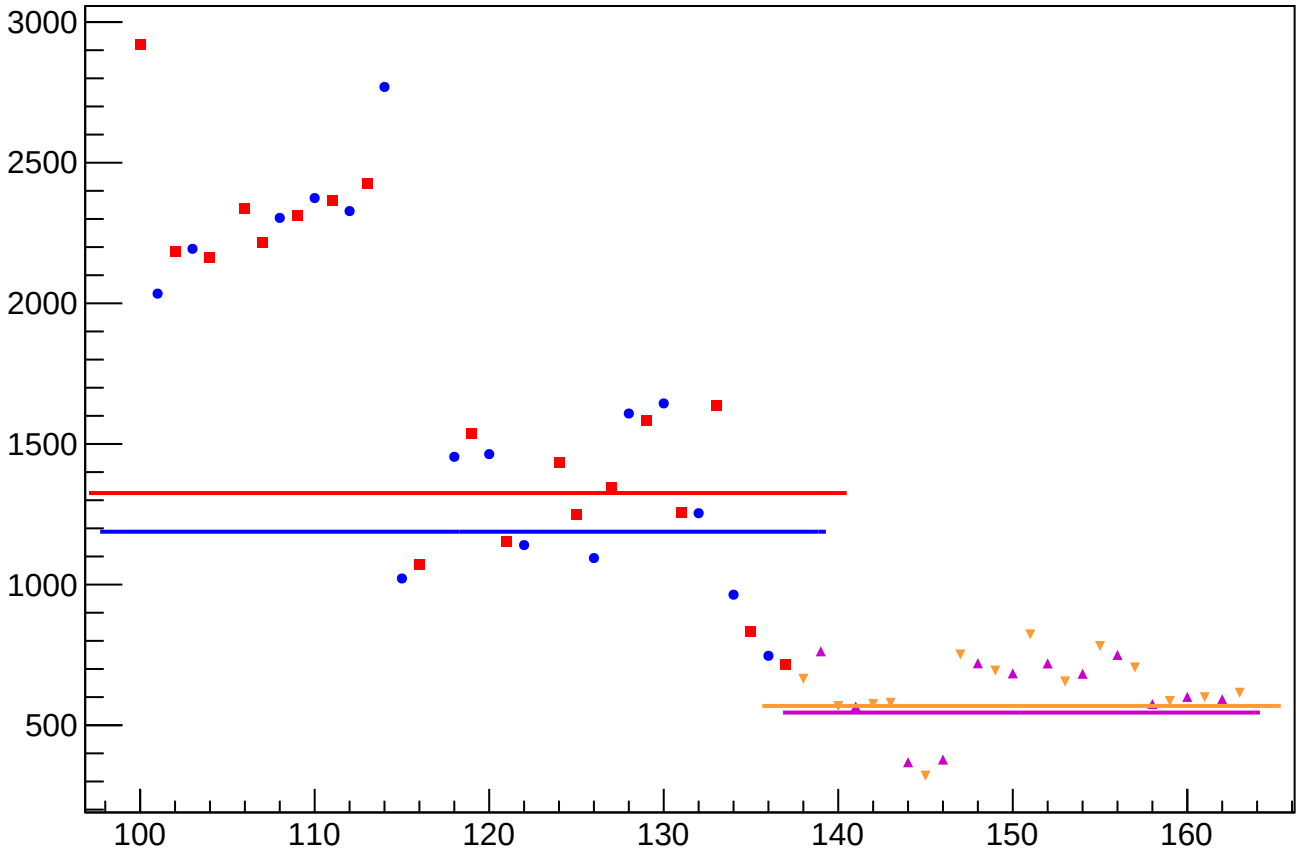
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 94.664+/-0.017 χ^2/NDF:2309400.0/27

Out: 95.817+/-0.016 χ^2/NDF:2650274.3/32

All: 95.249+/-0.012 χ^2/NDF: 4962118.5/60


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -544.647+/-176.856 χ²/NDF:31.3/13
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -7.260+/-176.601 χ²/NDF:14.3/11
Left: -275.566+/-124.966 χ²/NDF: 50.2/25
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -149.096+/-165.694 χ²/NDF:35.6/27
Out: -440.270+/-167.510 χ²/NDF:48.1/32
All: -293.096+/-117.800 χ²/NDF: 85.1/60



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 545.015+/-0.125 χ^2/NDF:1354649.4/11

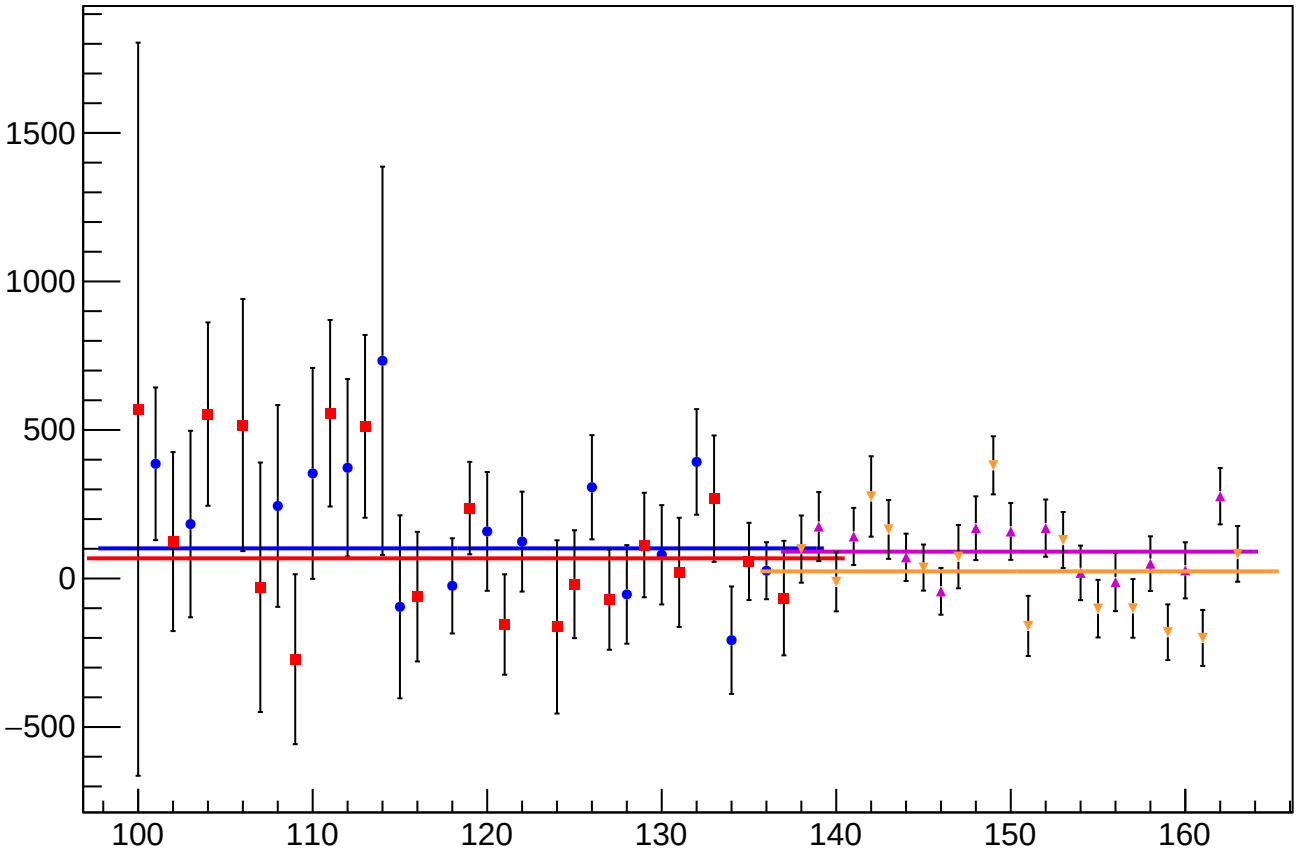
Left: 556.798+/-0.088 χ^2/NDF: 2883285.5/25

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 621.991+/-0.117 χ^2/NDF:6573621.5/27

Out: 646.504+/-0.118 χ^2/NDF:7201649.3/32

All: 634.114+/-0.083 χ^2/NDF: 13796918.4/60



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 24.018+/-26.218 χ^2/NDF:38.3/13

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 90.335+/-27.021 χ^2/NDF:11.7/11

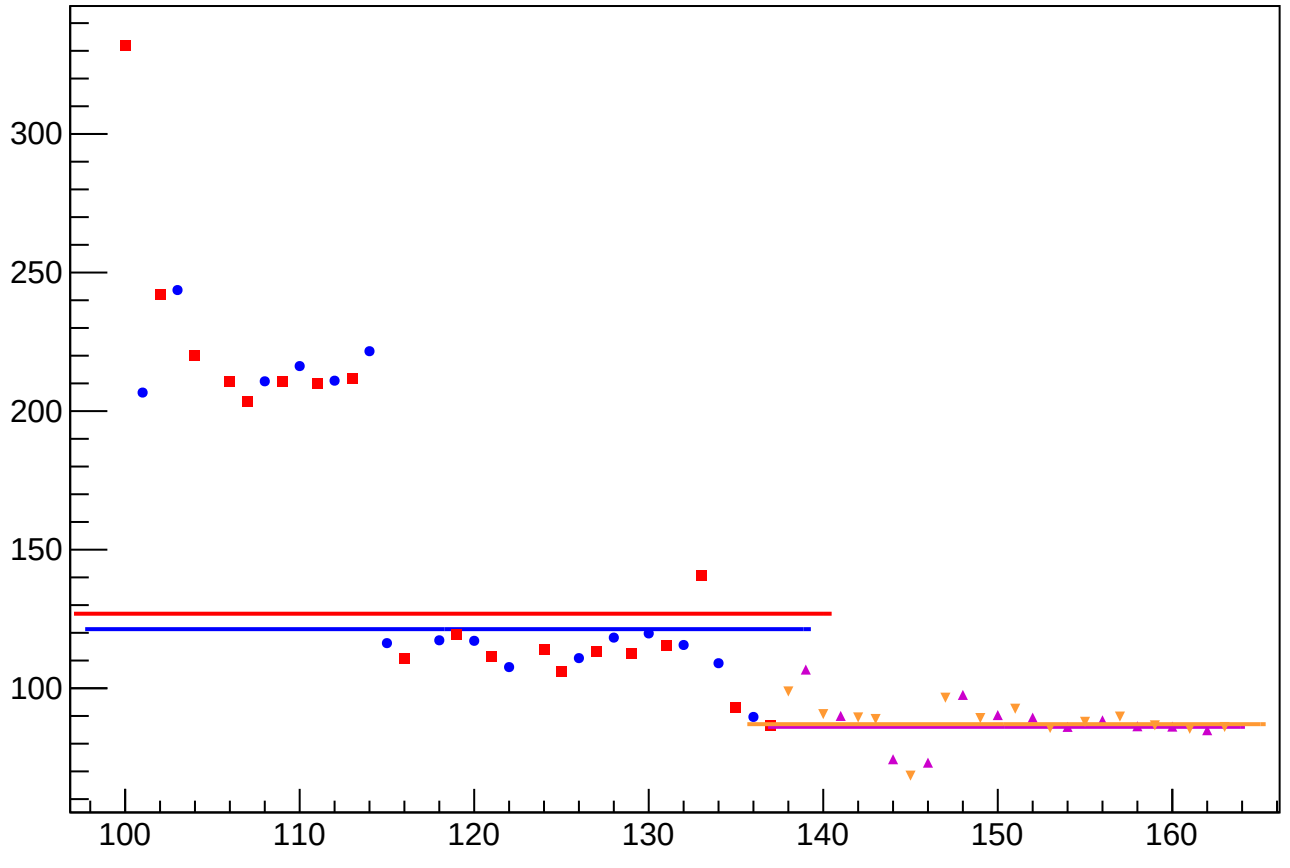
Left: 56.176+/-18.816 χ^2/NDF: 53.1/25

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 93.041+/-23.503 χ^2/NDF:25.1/27

Out: 33.679+/-23.151 χ^2/NDF:55.0/32

All: 62.912+/-16.493 χ^2/NDF: 83.3/60



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.039+/-0.019 χ^2/NDF:166800.5/13

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 86.083+/-0.019 χ^2/NDF:194390.1/11

Left: 86.575+/-0.013 χ^2/NDF: 362480.0/25

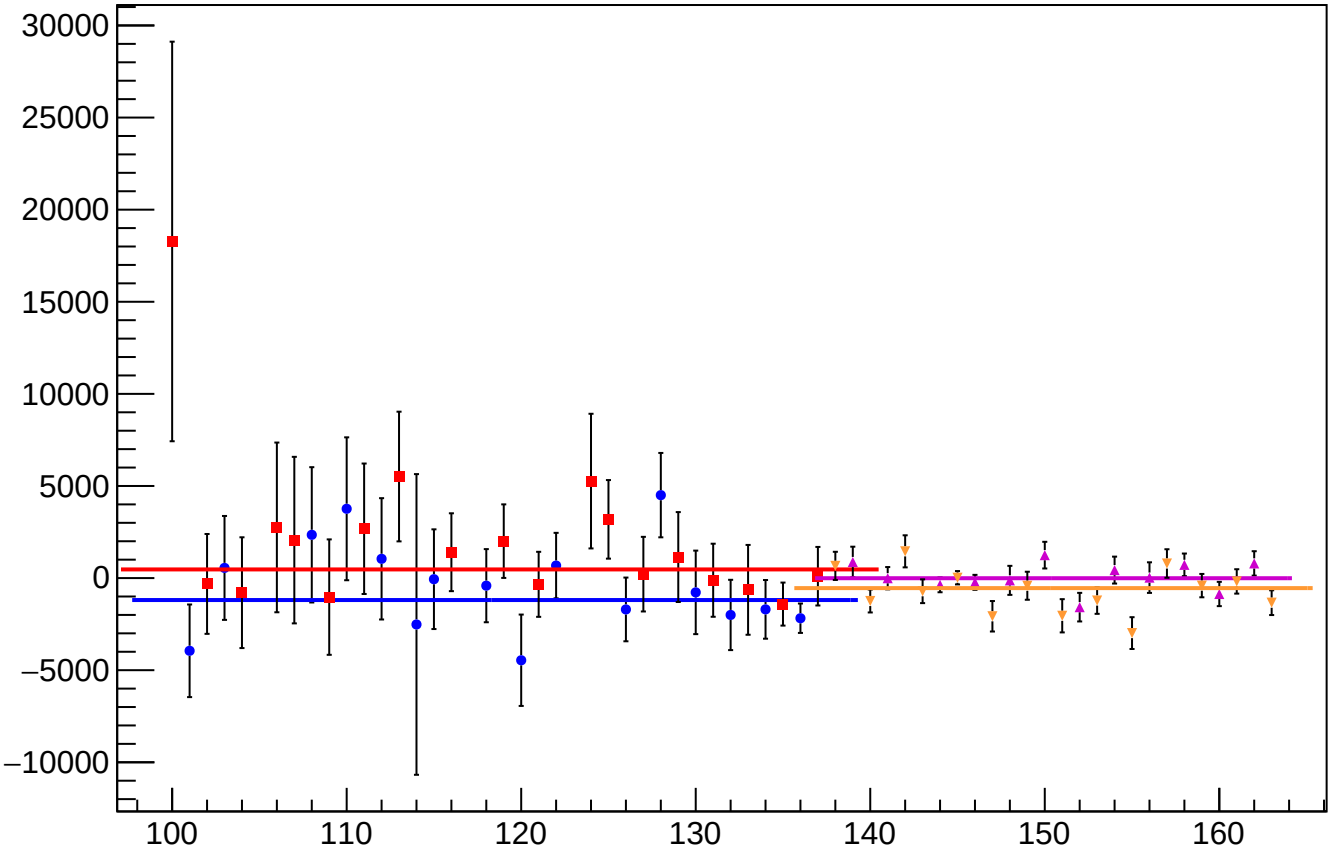
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 94.664+/-0.017 χ^2/NDF:2309400.0/27

Out: 95.817+/-0.016 χ^2/NDF:2650274.3/32

All: 95.249+/-0.012 χ^2/NDF: 4962118.5/60

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: -544.647+/-176.856 χ^2/NDF:31.3/13

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: -7.260+/-176.601 χ^2/NDF:14.3/11

Left: -275.566+/-124.966 χ^2/NDF: 50.2/25

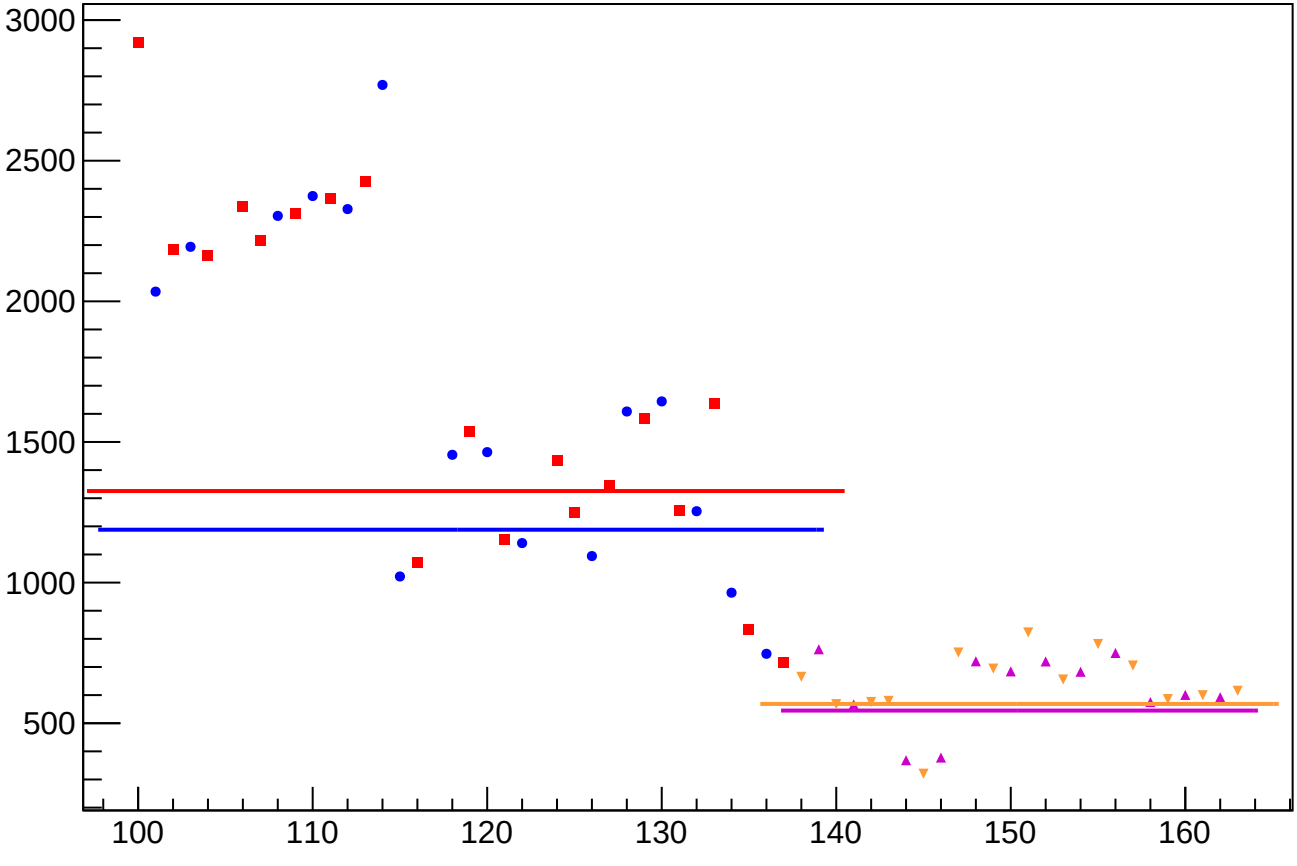
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -149.096+/-165.694 χ^2/NDF:35.6/27

Out: -440.270+/-167.510 χ^2/NDF:48.1/32

All: -293.096+/-117.800 χ^2/NDF: 85.1/60

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 568.616+/-0.125 χ^2/NDF:1510801.7/13

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 545.015+/-0.125 χ^2/NDF:1354649.4/11

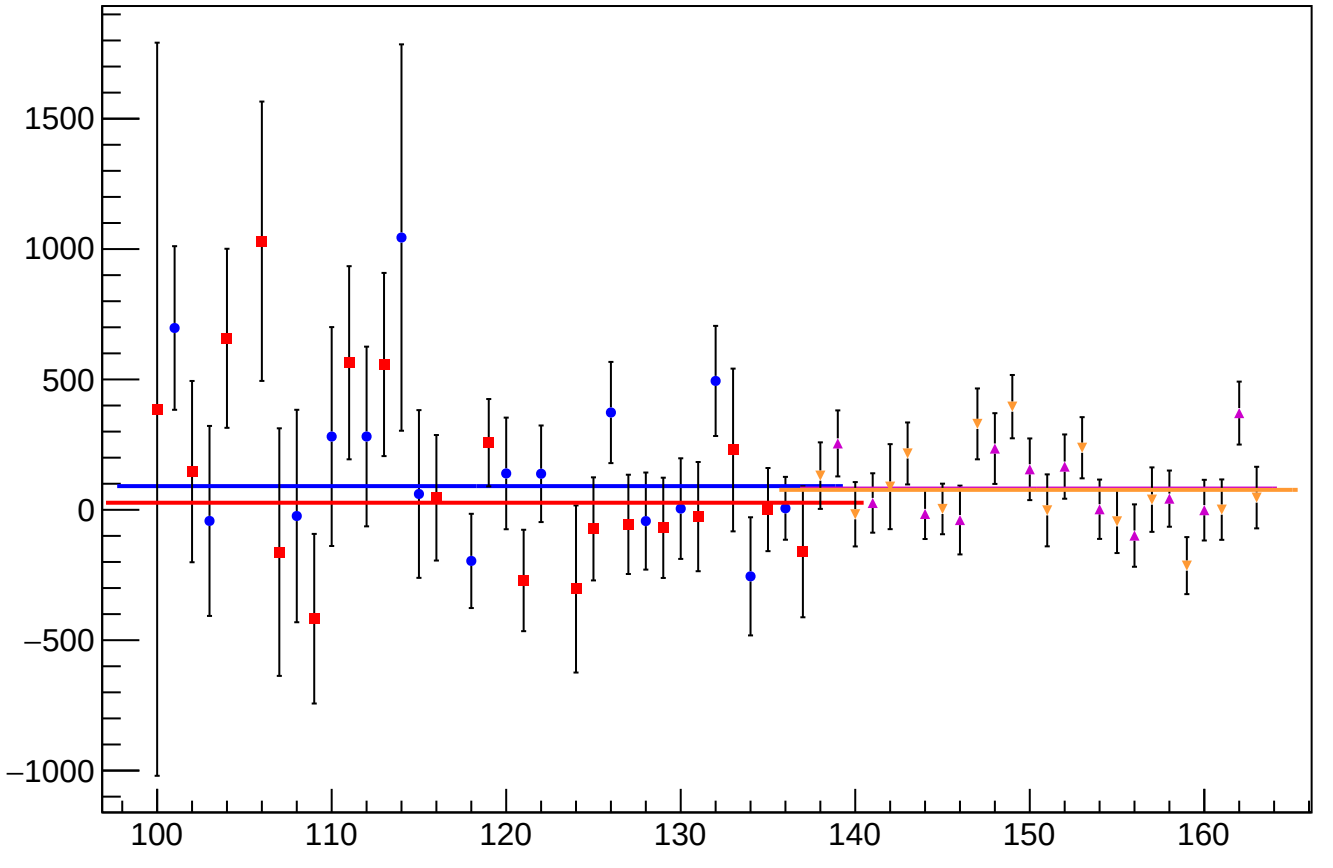
Left: 556.798+/-0.088 χ^2/NDF: 2883285.5/25

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 621.991+/-0.117 χ^2/NDF:6573621.5/27

Out: 646.504+/-0.118 χ^2/NDF:7201649.3/32

All: 634.114+/-0.083 χ^2/NDF: 13796918.4/60



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 81.506+/-33.860 χ^2/NDF:15.2/11

Left: 78.927+/-23.413 χ^2/NDF: 39.2/25

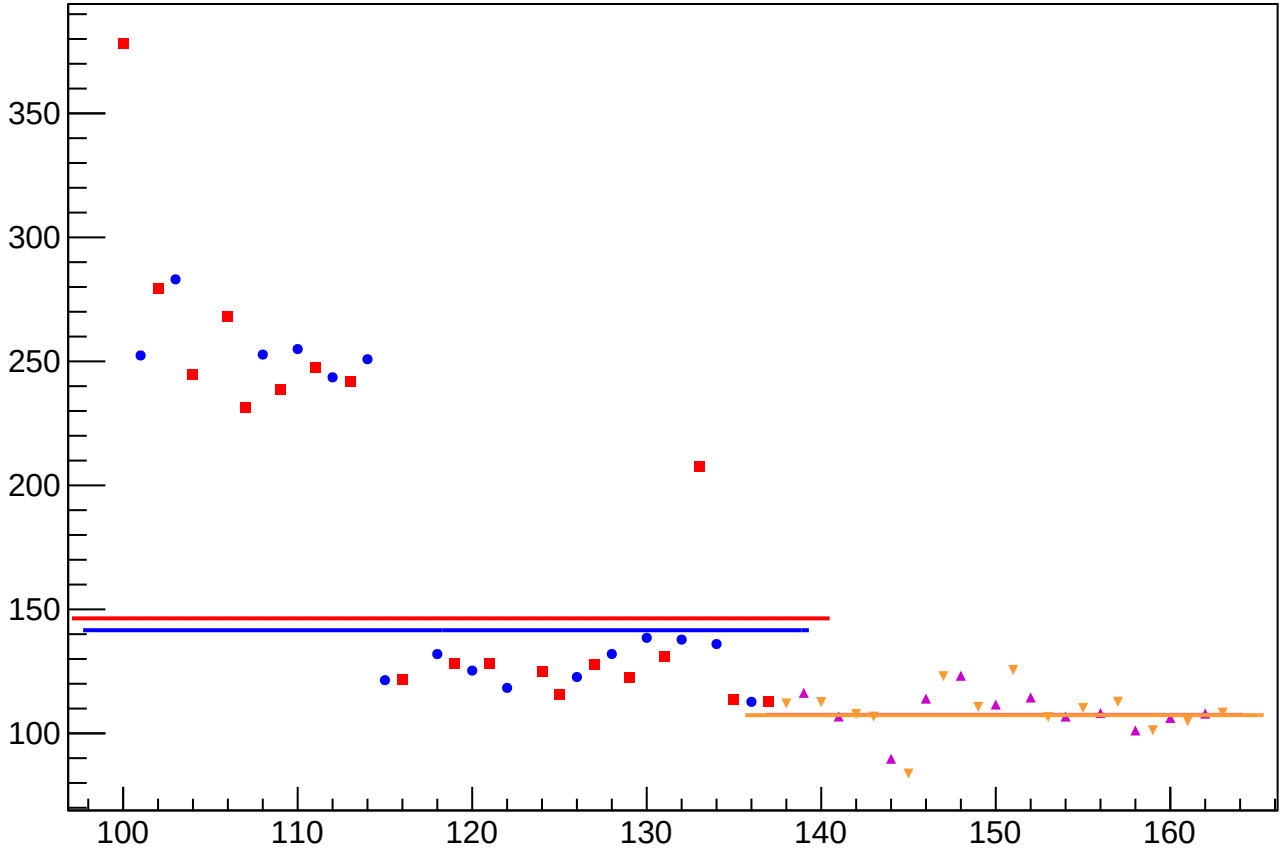
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 84.052+/-28.914 χ^2/NDF:33.3/27

Out: 64.501+/-28.176 χ^2/NDF:45.1/32

All: 74.023+/-20.179 χ^2/NDF: 78.6/60

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.346+/-0.023 χ^2/NDF:200045.1/13

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 107.452+/-0.024 χ^2/NDF:125639.8/11

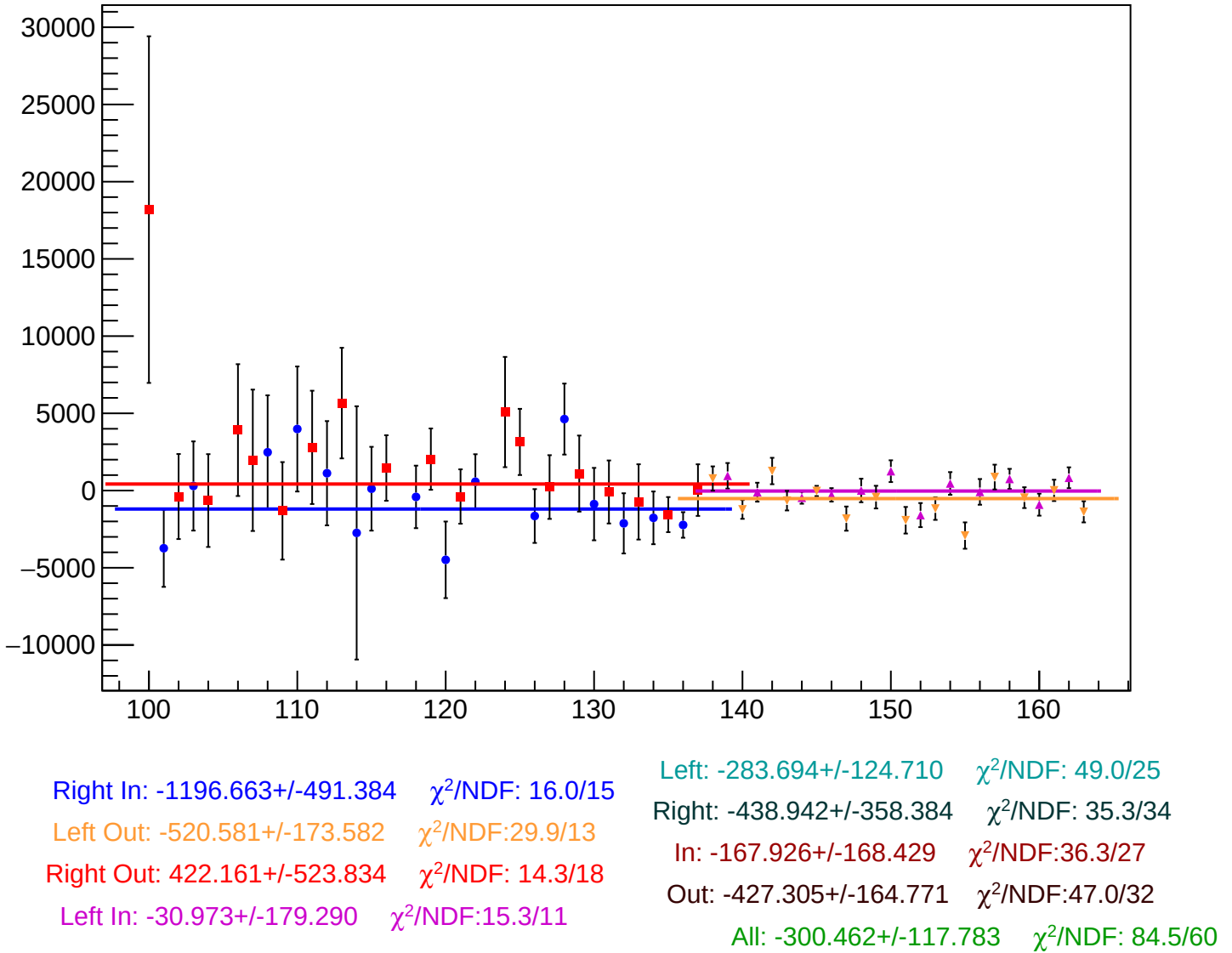
Left: 107.397+/-0.017 χ^2/NDF: 325695.3/25

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

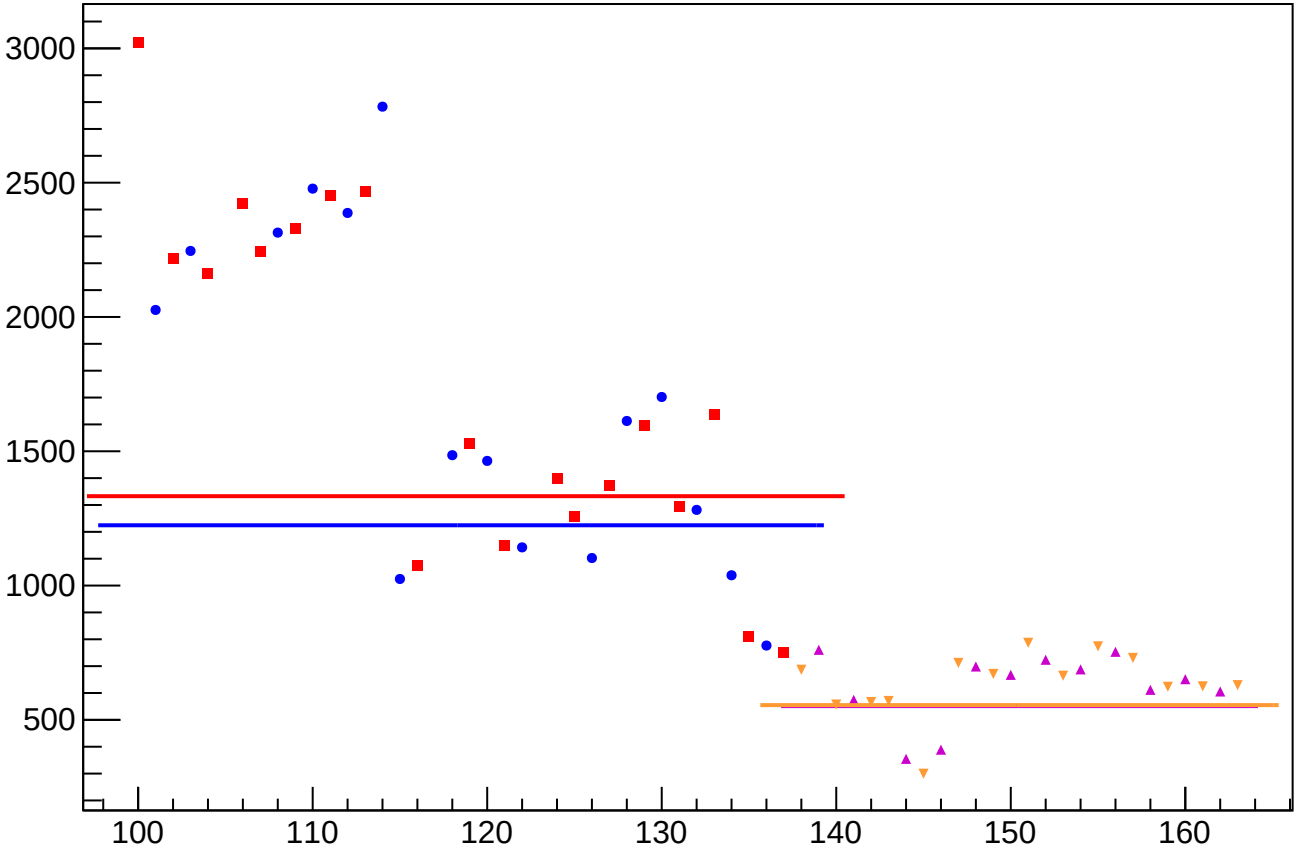
In: 116.696+/-0.020 χ^2/NDF:1938376.8/27

Out: 116.876+/-0.020 χ^2/NDF:2421778.8/32

All: 116.788+/-0.014 χ^2/NDF: 4360195.5/60


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -520.581+/-173.582 χ²/NDF:29.9/13
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -30.973+/-179.290 χ²/NDF:15.3/11
Left: -283.694+/-124.710 χ²/NDF: 49.0/25
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -167.926+/-168.429 χ²/NDF:36.3/27
Out: -427.305+/-164.771 χ²/NDF:47.0/32
All: -300.462+/-117.783 χ²/NDF: 84.5/60

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: 554.929+/-0.123 χ^2/NDF:1840215.0/13

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 551.245+/-0.127 χ^2/NDF:1397568.8/11

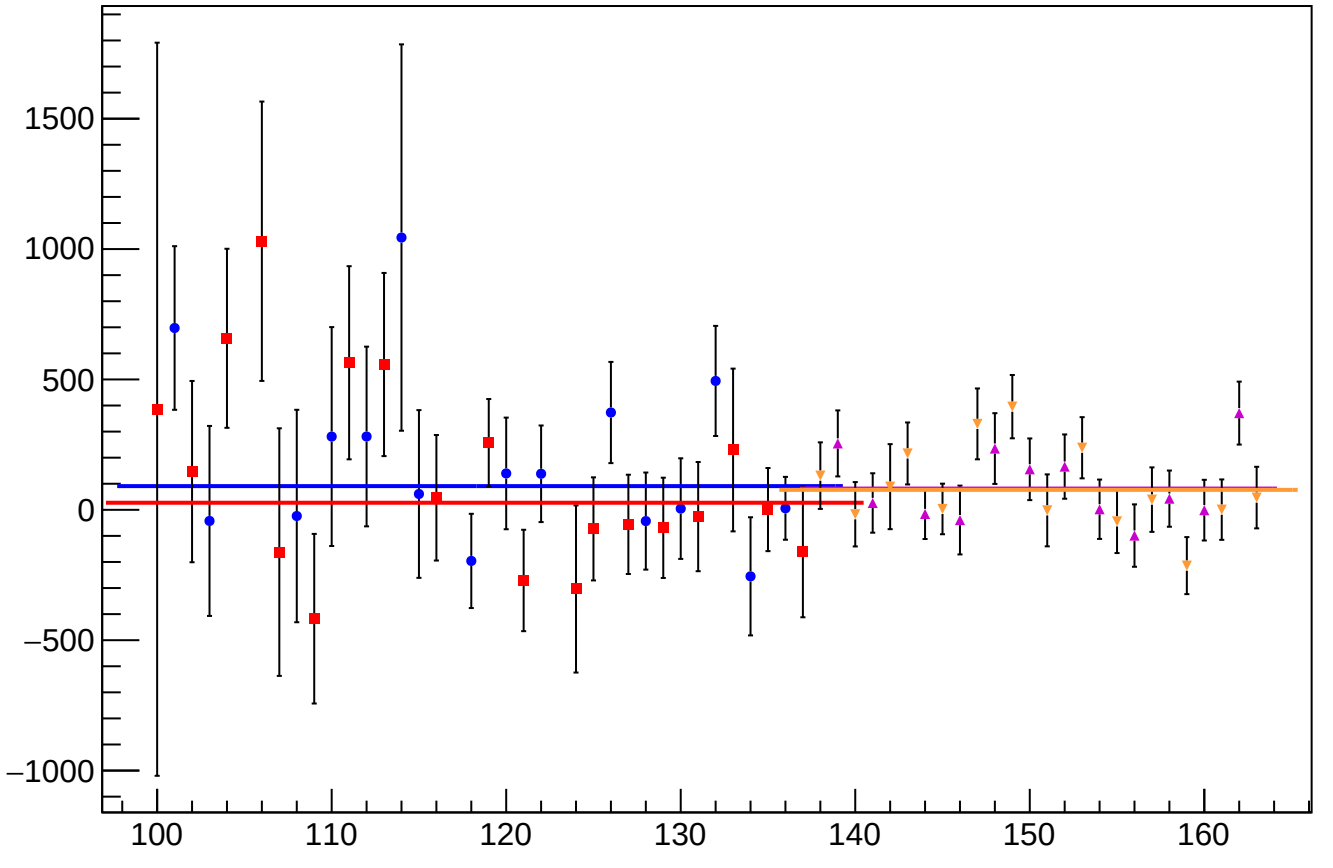
Left: 553.147+/-0.088 χ^2/NDF: 3238219.6/25

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 630.340+/-0.119 χ^2/NDF:6669994.2/27

Out: 631.891+/-0.117 χ^2/NDF:7808717.2/32

All: 631.132+/-0.083 χ^2/NDF: 14478798.1/60



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 76.564+/-32.410 χ^2/NDF:23.9/13

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 81.504+/-33.860 χ^2/NDF:15.2/11

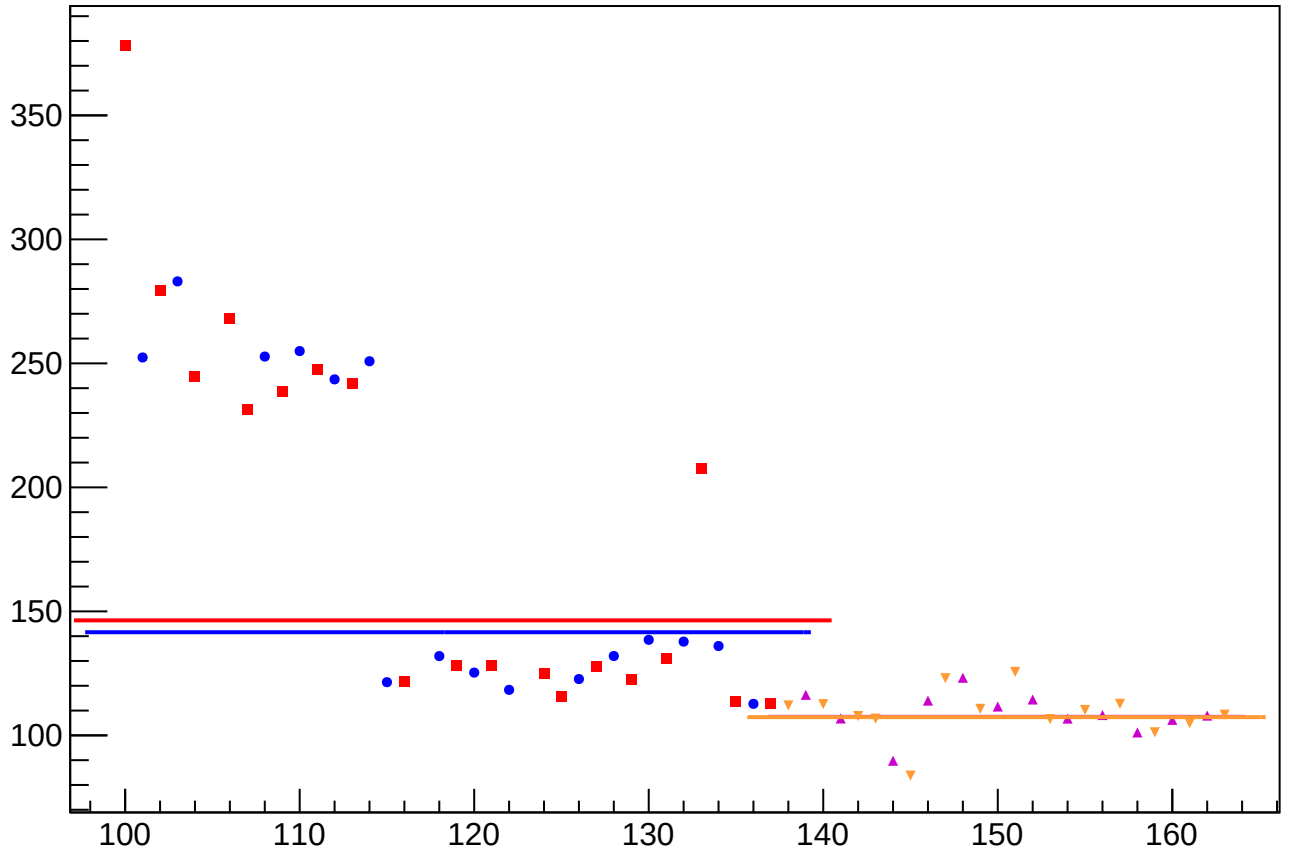
Left: 78.926+/-23.413 χ^2/NDF: 39.2/25

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 84.051+/-28.914 χ^2/NDF:33.3/27

Out: 64.501+/-28.176 χ^2/NDF:45.1/32

All: 74.023+/-20.180 χ^2/NDF: 78.6/60



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.346+/-0.023 χ^2/NDF:200038.0/13

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 107.453+/-0.024 χ^2/NDF:125638.5/11

Left: 107.397+/-0.017 χ^2/NDF: 325686.9/25

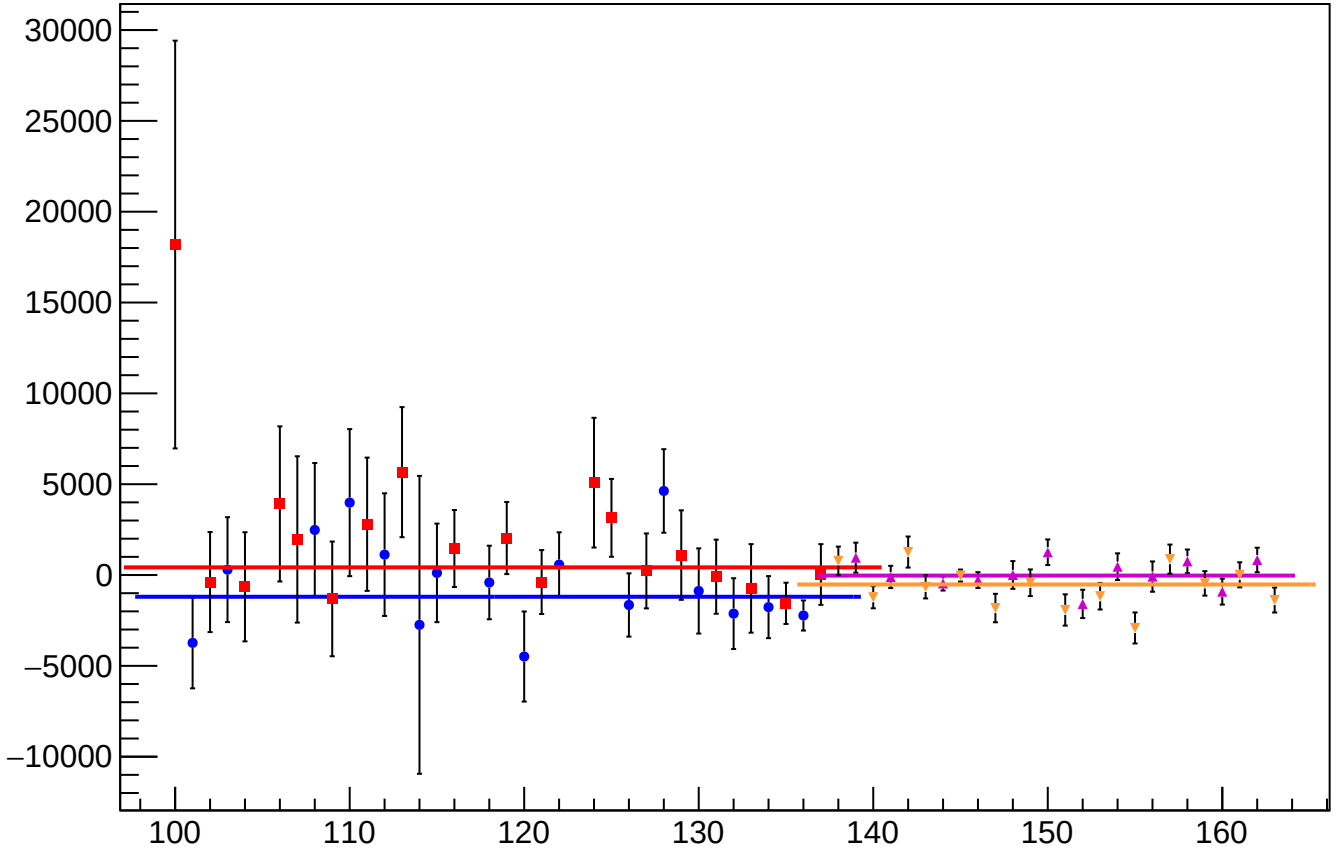
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 116.696+/-0.020 χ^2/NDF:1938329.8/27

Out: 116.876+/-0.020 χ^2/NDF:2421733.0/32

All: 116.788+/-0.014 χ^2/NDF: 4360102.7/60

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: -520.578+/-173.582 χ^2/NDF:29.9/13

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -30.973+/-179.289 χ^2/NDF:15.3/11

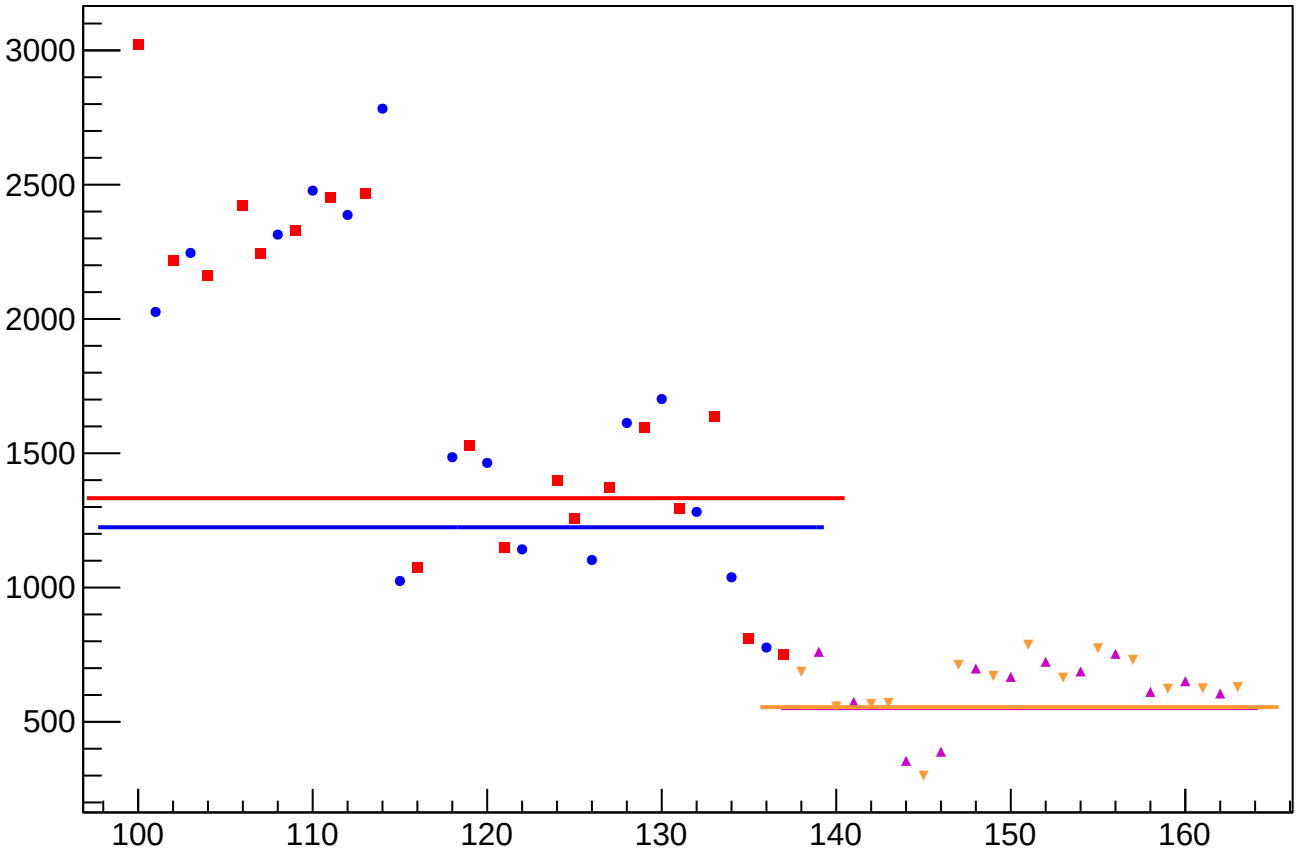
Left: -283.693+/-124.710 χ^2/NDF: 49.0/25

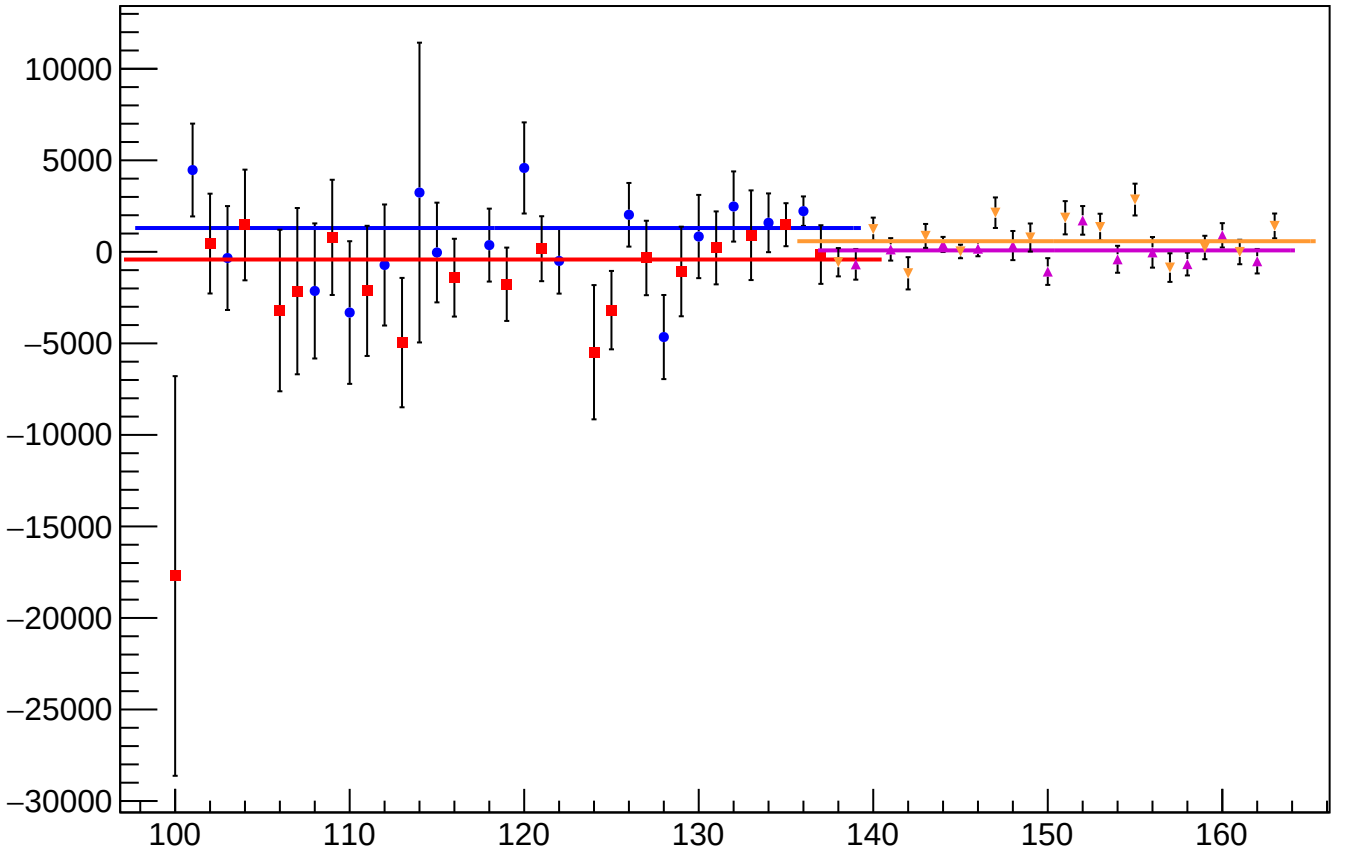
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -167.926+/-168.428 χ^2/NDF:36.3/27

Out: -427.303+/-164.771 χ^2/NDF:47.0/32

All: -300.461+/-117.782 χ^2/NDF: 84.5/60


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
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 554.927+/-0.123 χ²/NDF:1840264.4/13
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 551.244+/-0.127 χ²/NDF:1397586.6/11
Left: 553.145+/-0.088 χ²/NDF: 3238286.6/25
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 630.339+/-0.119 χ²/NDF:6670004.6/27
Out: 631.889+/-0.117 χ²/NDF:7808771.2/32
All: 631.131+/-0.083 χ²/NDF: 14478862.3/60



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 581.191+/-179.216 χ^2/NDF:29.2/13

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 79.303+/-179.130 χ^2/NDF:12.7/11

Left: 330.127+/-126.694 χ^2/NDF: 45.9/25

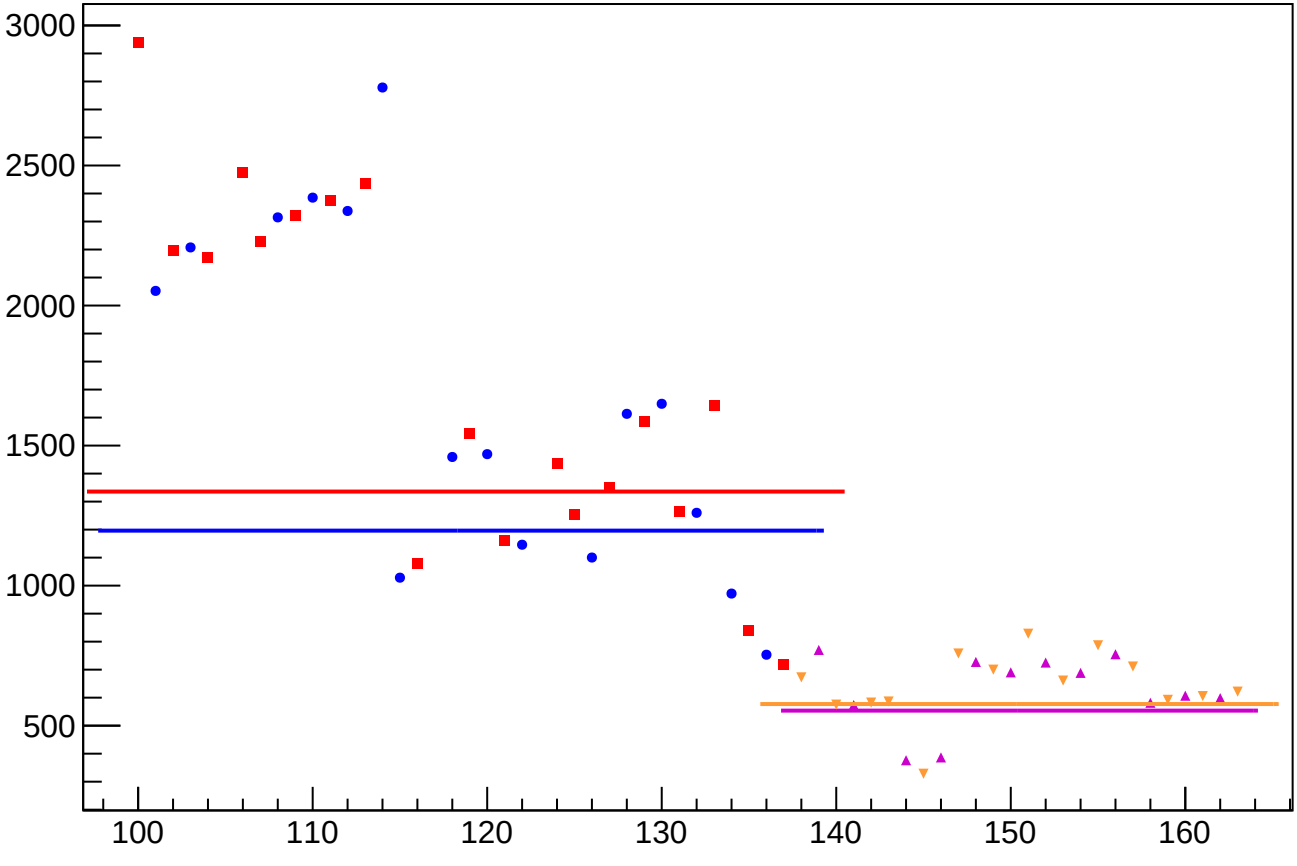
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 227.660+/-167.908 χ^2/NDF:34.8/27

Out: 476.706+/-169.589 χ^2/NDF:45.5/32

All: 350.942+/-119.319 χ^2/NDF: 81.4/60

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 577.181+/-0.127 χ^2/NDF:1443104.5/13

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 553.731+/-0.127 χ^2/NDF:1296443.7/11

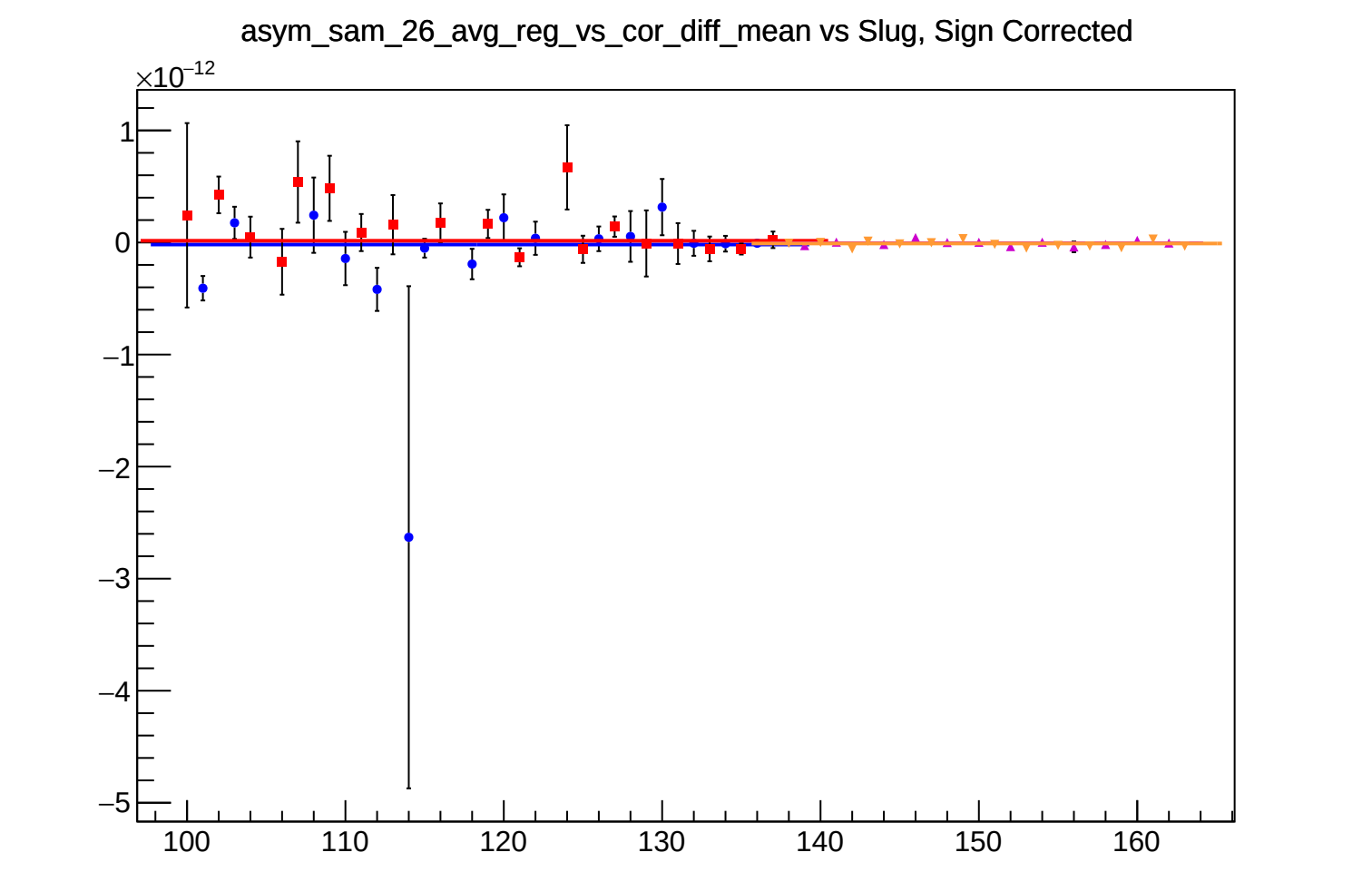
Left: 565.450+/-0.090 χ^2/NDF: 2756676.8/25

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 631.728+/-0.119 χ^2/NDF:6452260.0/27

Out: 656.488+/-0.120 χ^2/NDF:7141010.9/32

All: 643.984+/-0.084 χ^2/NDF: 13614798.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/11

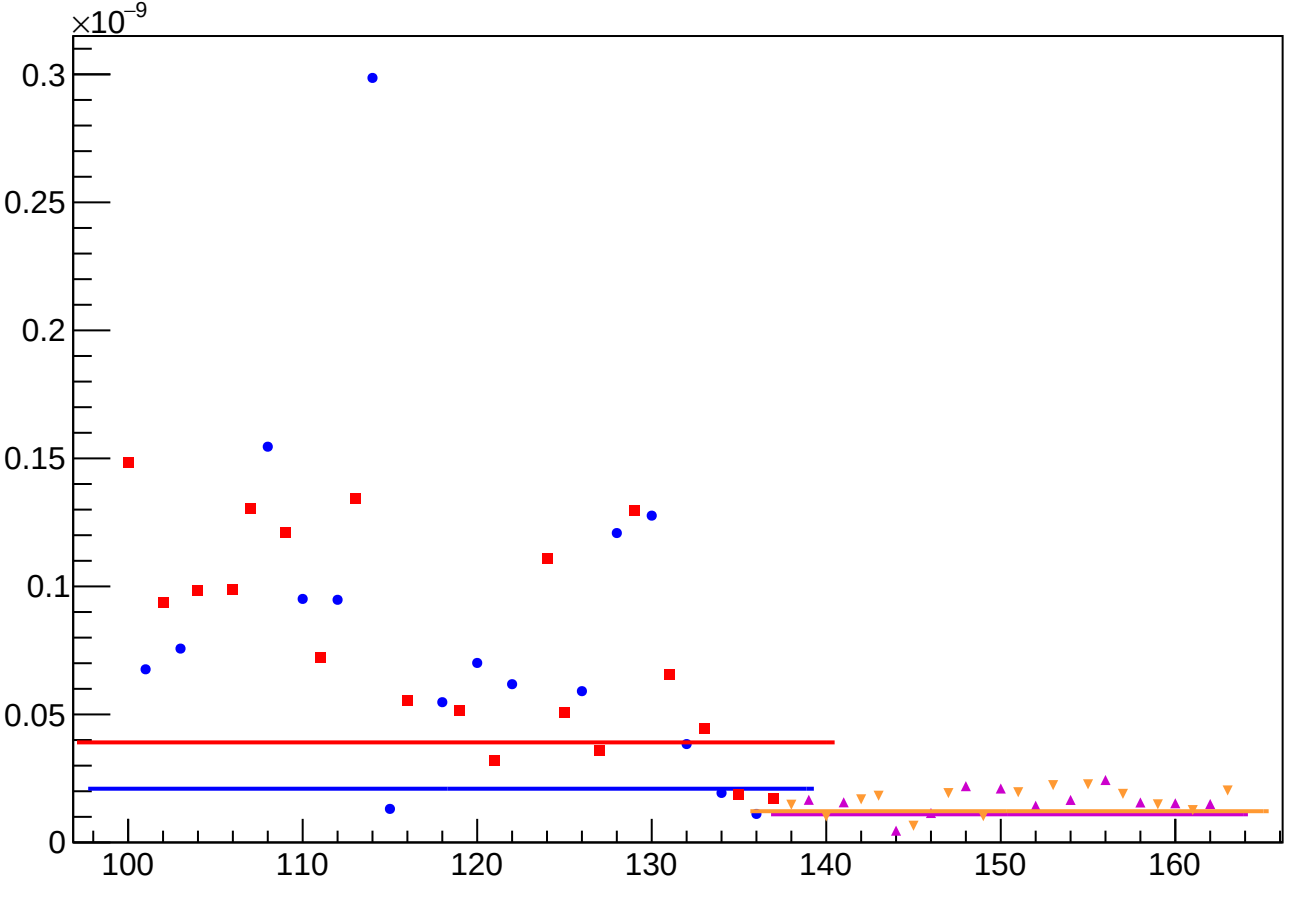
Left: -0.000+/-0.000 χ^2/NDF: 27.0/25

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:39.7/27

Out: -0.000+/-0.000 χ^2/NDF:40.7/32

All: -0.000+/-0.000 χ^2/NDF: 80.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1469639.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1847306.4/11

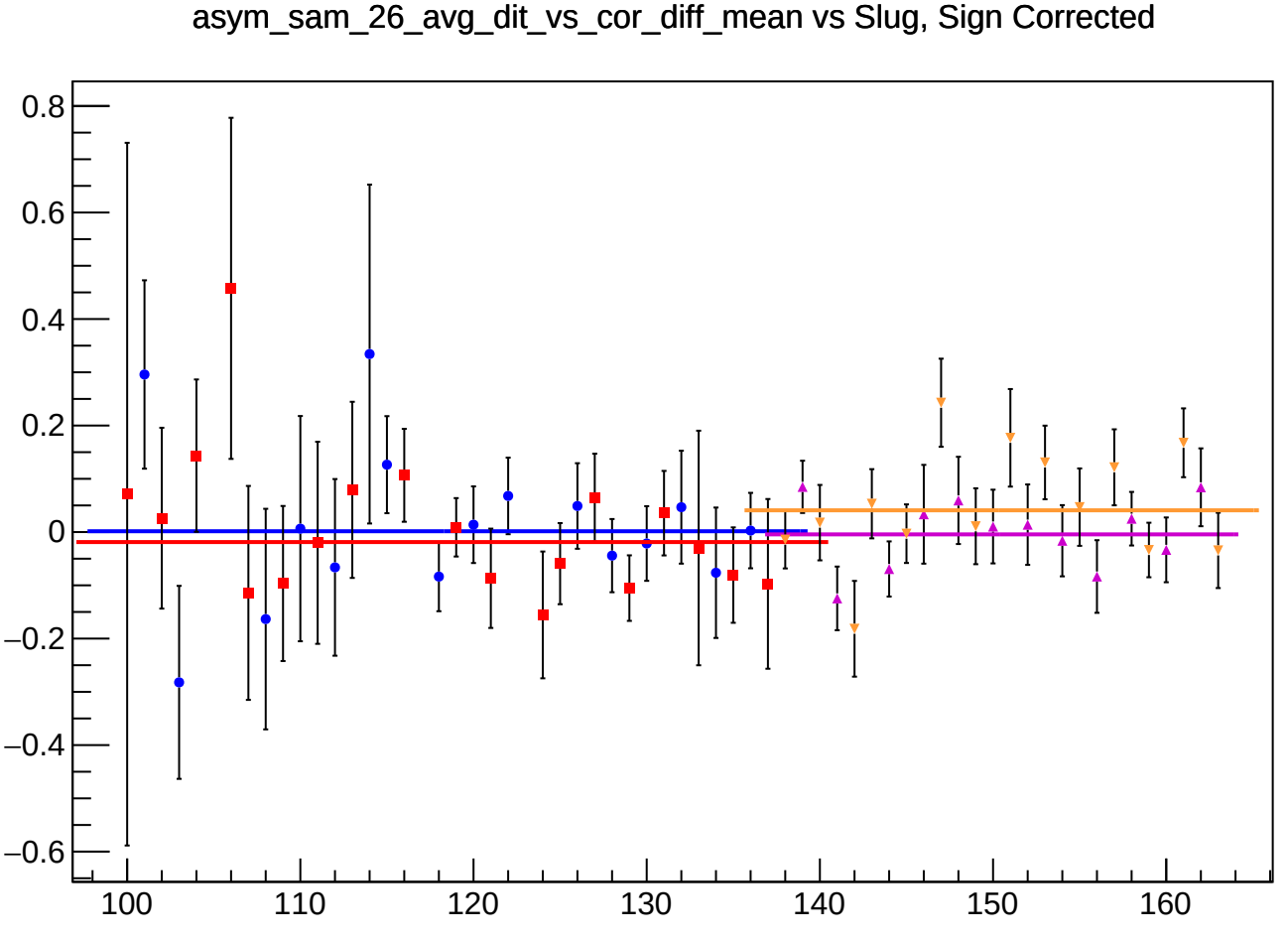
Left: 0.000+/-0.000 χ^2/NDF: 3354763.6/25

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5789710.9/27

Out: 0.000+/-0.000 χ^2/NDF:5351628.3/32

All: 0.000+/-0.000 χ^2/NDF: 11197612.0/60



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.004+/-0.018 χ^2/NDF:13.2/11

Left: 0.019+/-0.013 χ^2/NDF: 42.7/25

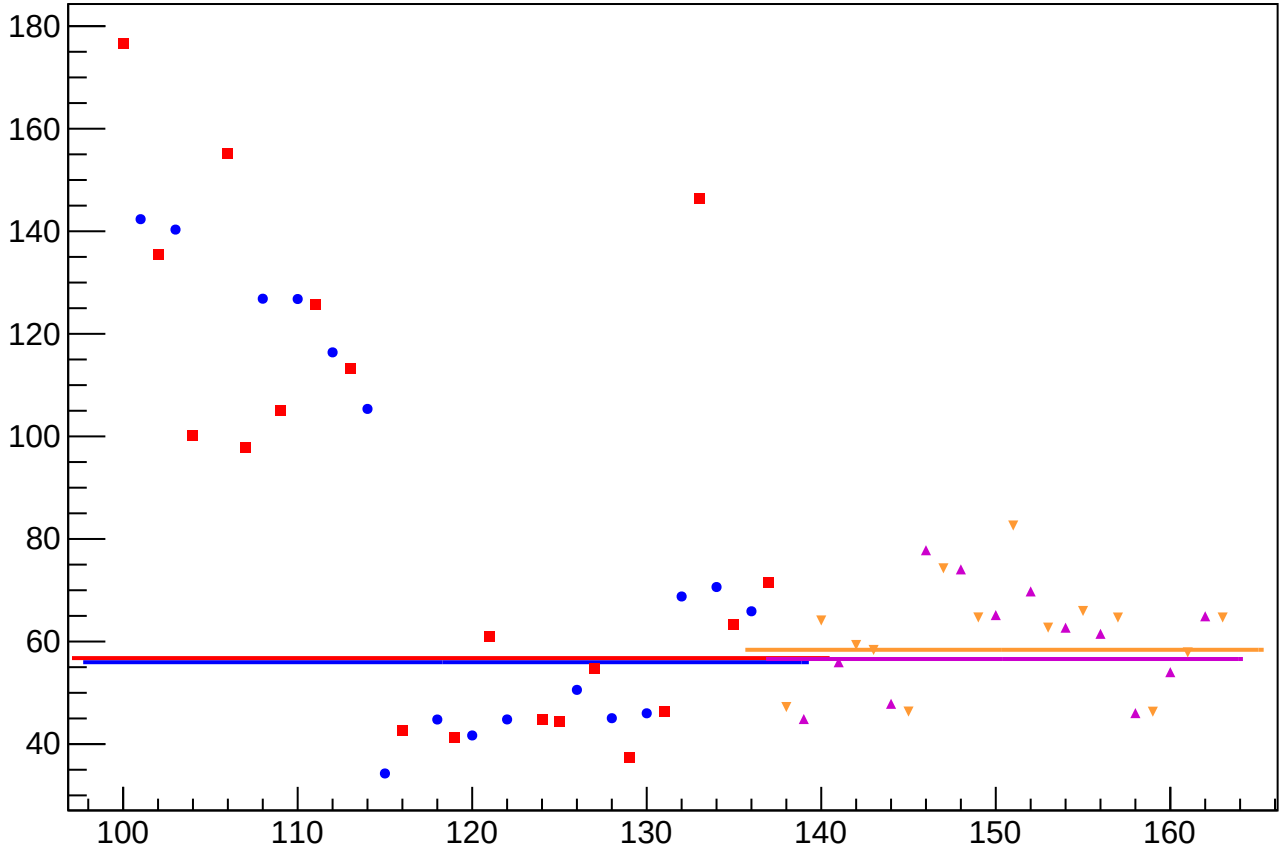
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.014 χ^2/NDF:26.3/27

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.008+/-0.010 χ^2/NDF: 70.9/60

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.391+/-0.013 χ^2/NDF:595973.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.593+/-0.013 χ^2/NDF:602816.9/11

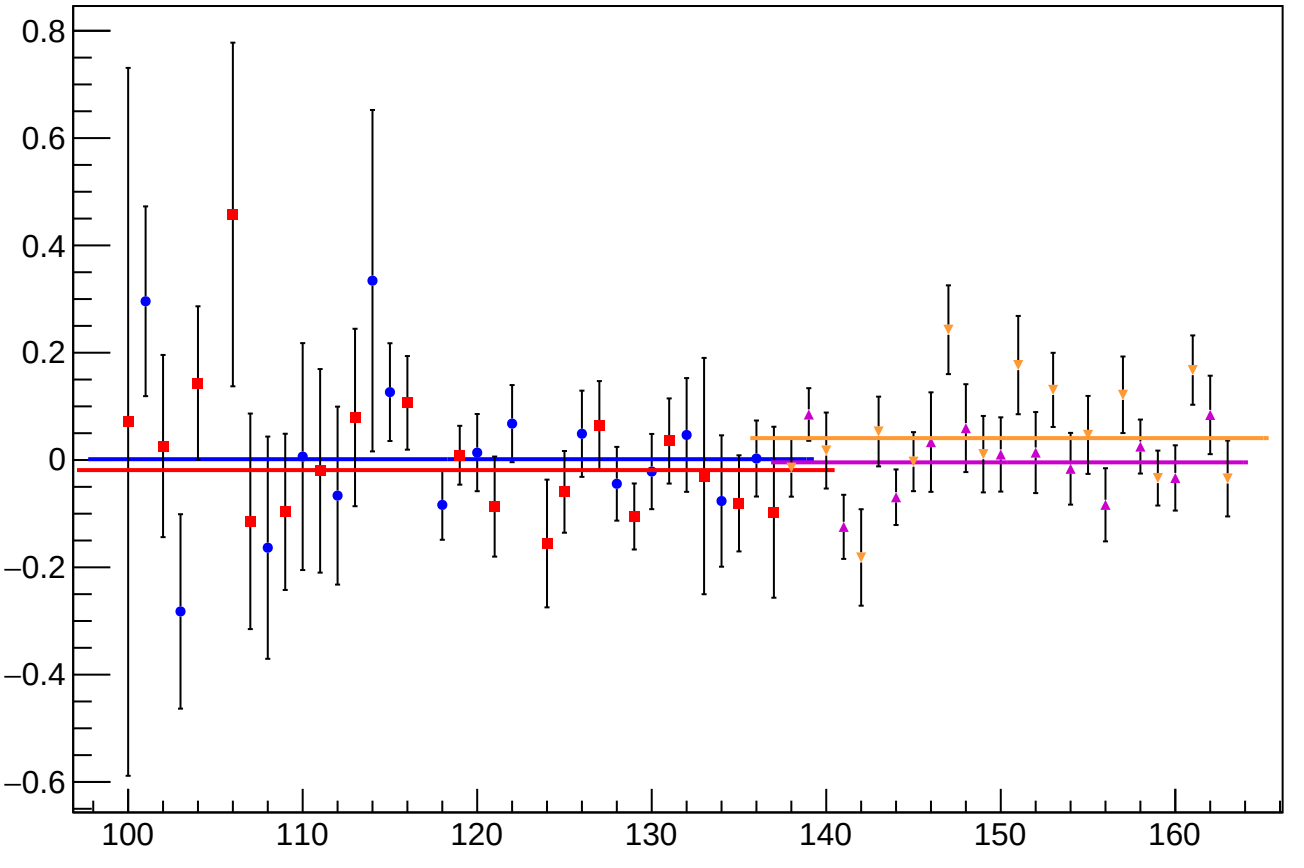
Left: 57.507+/-0.009 χ^2/NDF: 1208684.4/25

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.357+/-0.010 χ^2/NDF:2783531.8/27

Out: 57.795+/-0.010 χ^2/NDF:3155204.3/32

All: 57.083+/-0.007 χ^2/NDF: 5948820.7/60



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.004+/-0.018 χ^2/NDF:13.2/11

Left: 0.019+/-0.013 χ^2/NDF: 42.7/25

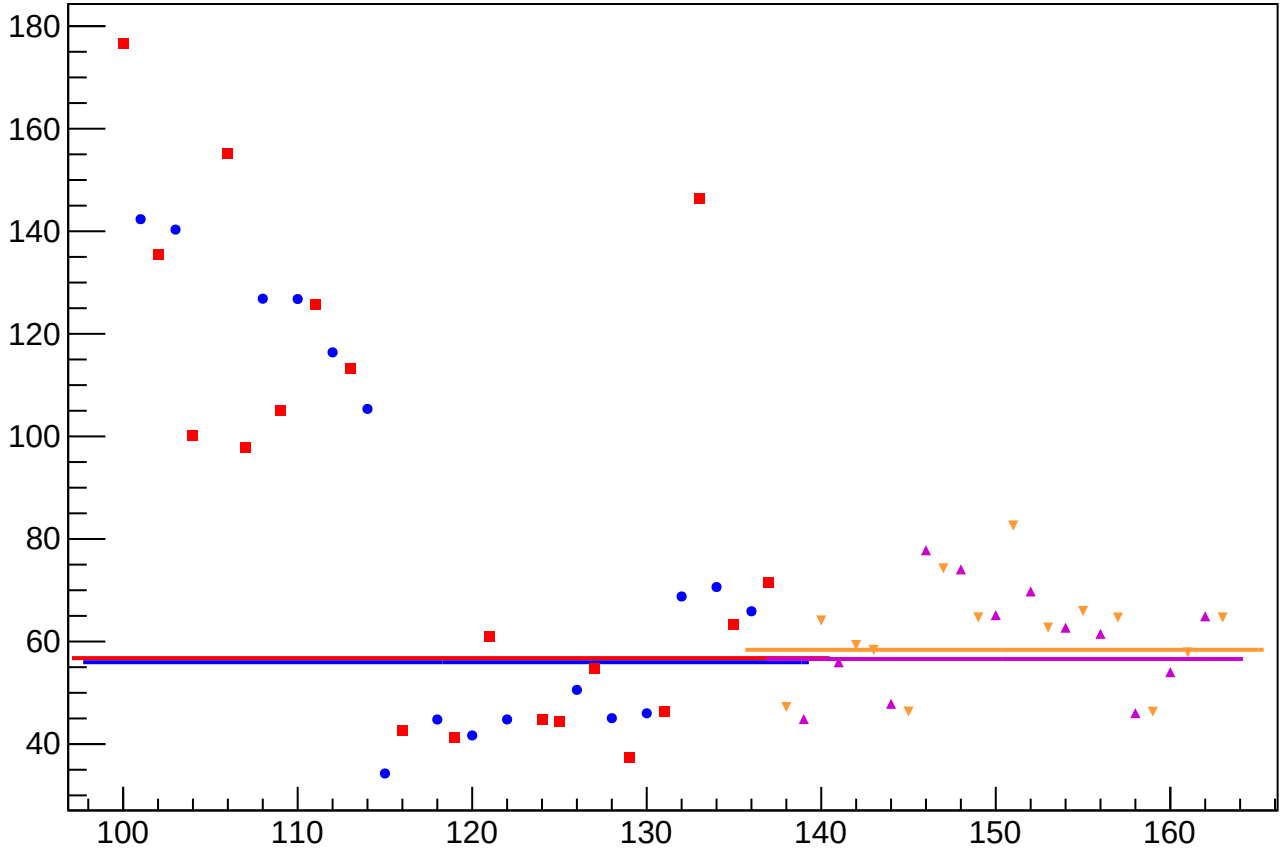
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.014 χ^2/NDF:26.3/27

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.008+/-0.010 χ^2/NDF: 70.9/60

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.391+/-0.013 χ^2/NDF:595973.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 56.593+/-0.013 χ^2/NDF:602816.9/11

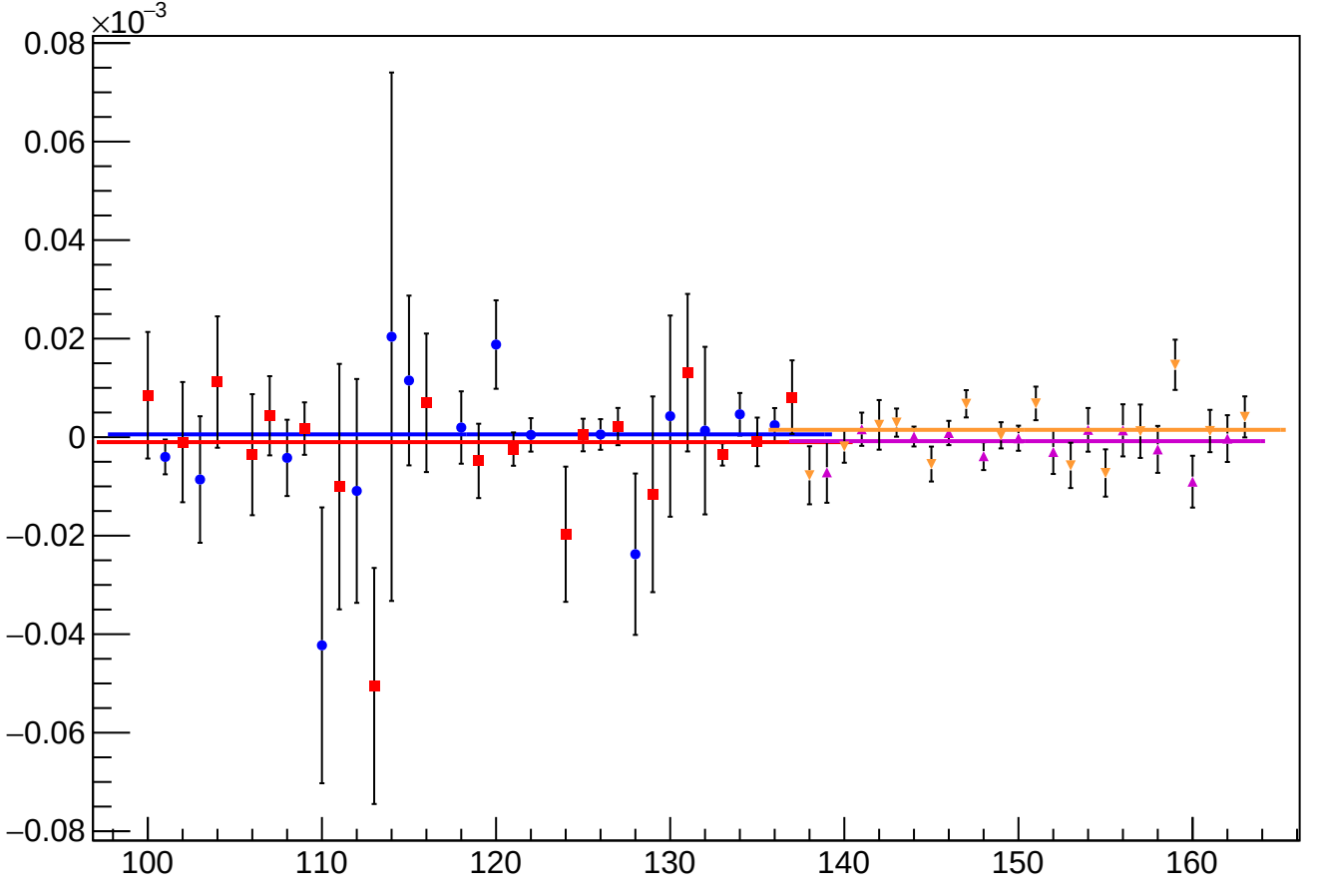
Left: 57.507+/-0.009 χ^2/NDF: 1208684.4/25

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.357+/-0.010 χ^2/NDF:2783531.8/27

Out: 57.795+/-0.010 χ^2/NDF:3155204.3/32

All: 57.083+/-0.007 χ^2/NDF: 5948820.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/11

Left: 0.000+/-0.000 χ^2/NDF: 36.3/25

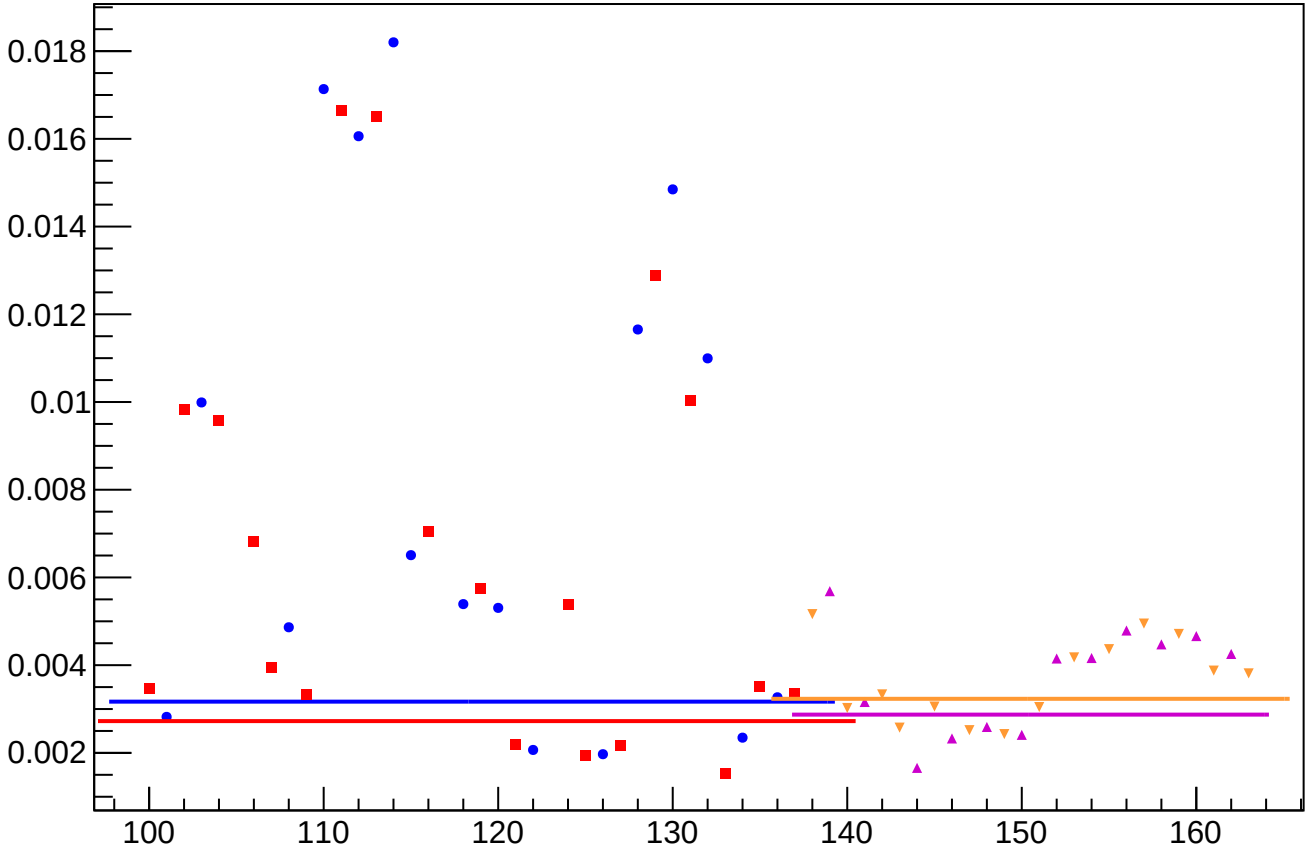
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:20.6/27

Out: 0.000+/-0.000 χ^2/NDF:43.0/32

All: 0.000+/-0.000 χ^2/NDF: 64.3/60

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1304334.8/13

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2558636.4/11

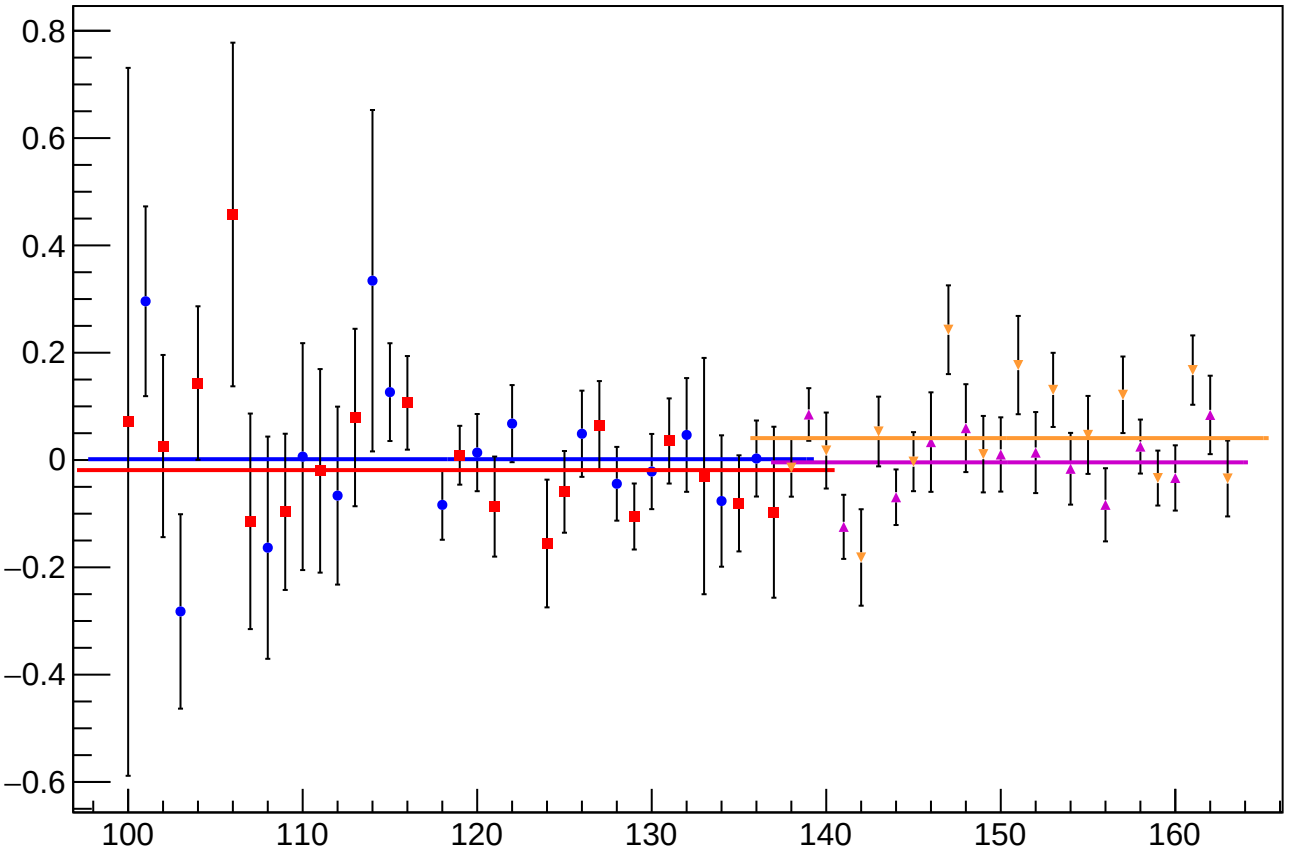
Left: 0.003+/-0.000 χ^2/NDF: 3996524.6/25

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7161974.0/27

Out: 0.003+/-0.000 χ^2/NDF:6654068.5/32

All: 0.003+/-0.000 χ^2/NDF: 13824756.5/60



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.004+/-0.018 χ^2/NDF:13.2/11

Left: 0.019+/-0.013 χ^2/NDF: 42.7/25

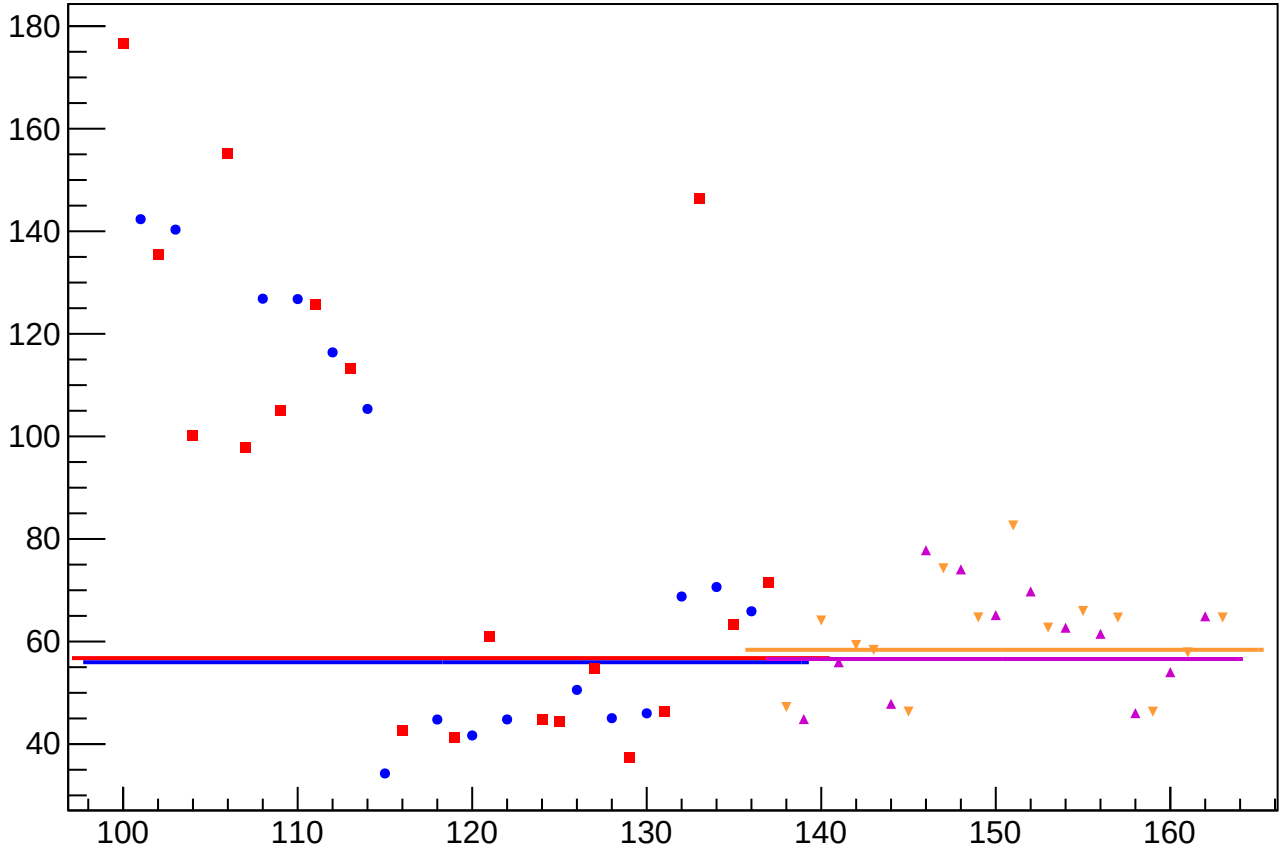
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.014 χ^2/NDF:26.3/27

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.008+/-0.010 χ^2/NDF: 70.9/60

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: 58.391+/-0.013 χ^2/NDF:595969.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.593+/-0.013 χ^2/NDF:602817.6/11

Left: 57.507+/-0.009 χ^2/NDF: 1208680.8/25

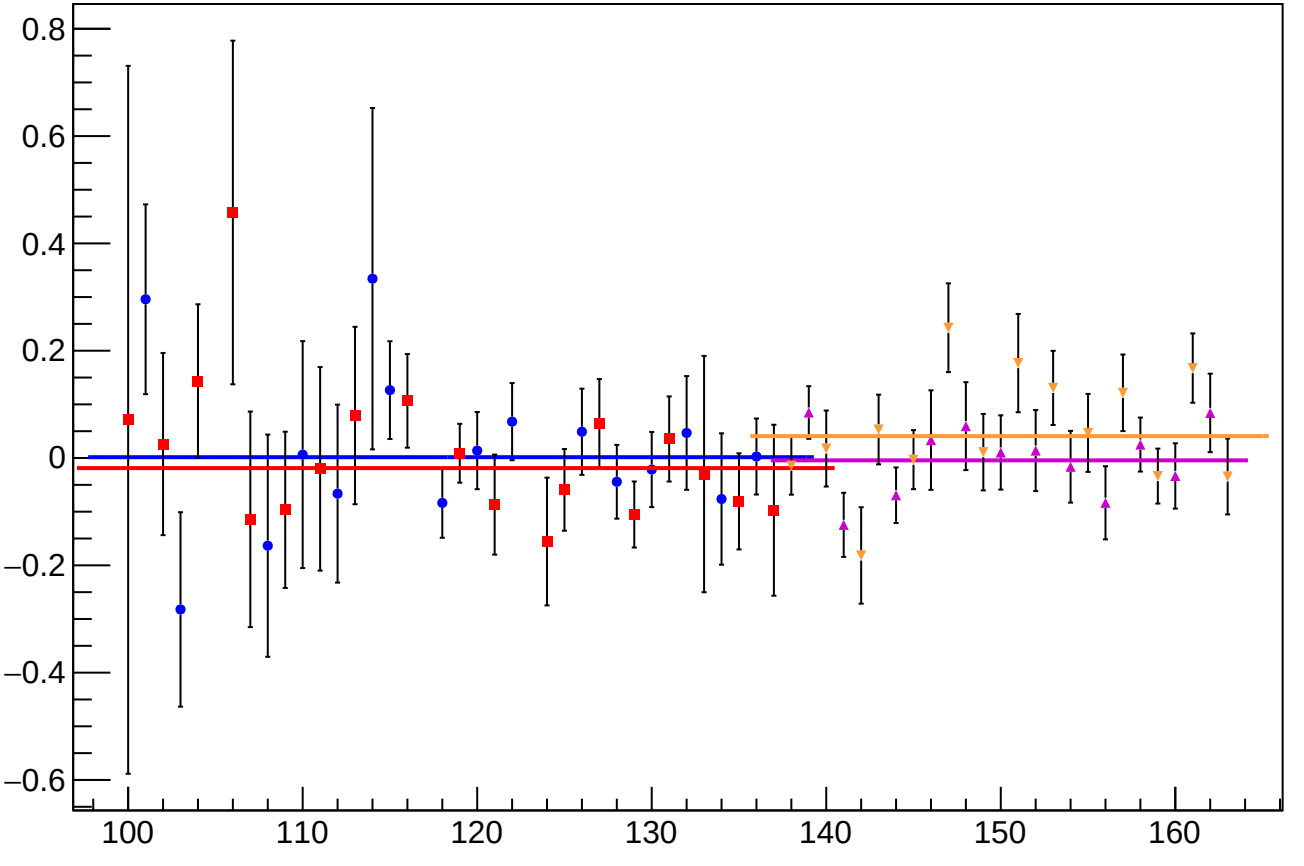
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.357+/-0.010 χ^2/NDF:2783463.2/27

Out: 57.795+/-0.010 χ^2/NDF:3155152.9/32

All: 57.083+/-0.007 χ^2/NDF: 5948699.4/60

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.041+/-0.018 χ^2/NDF:26.4/13

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.004+/-0.018 χ^2/NDF:13.2/11

Left: 0.019+/-0.013 χ^2/NDF: 42.7/25

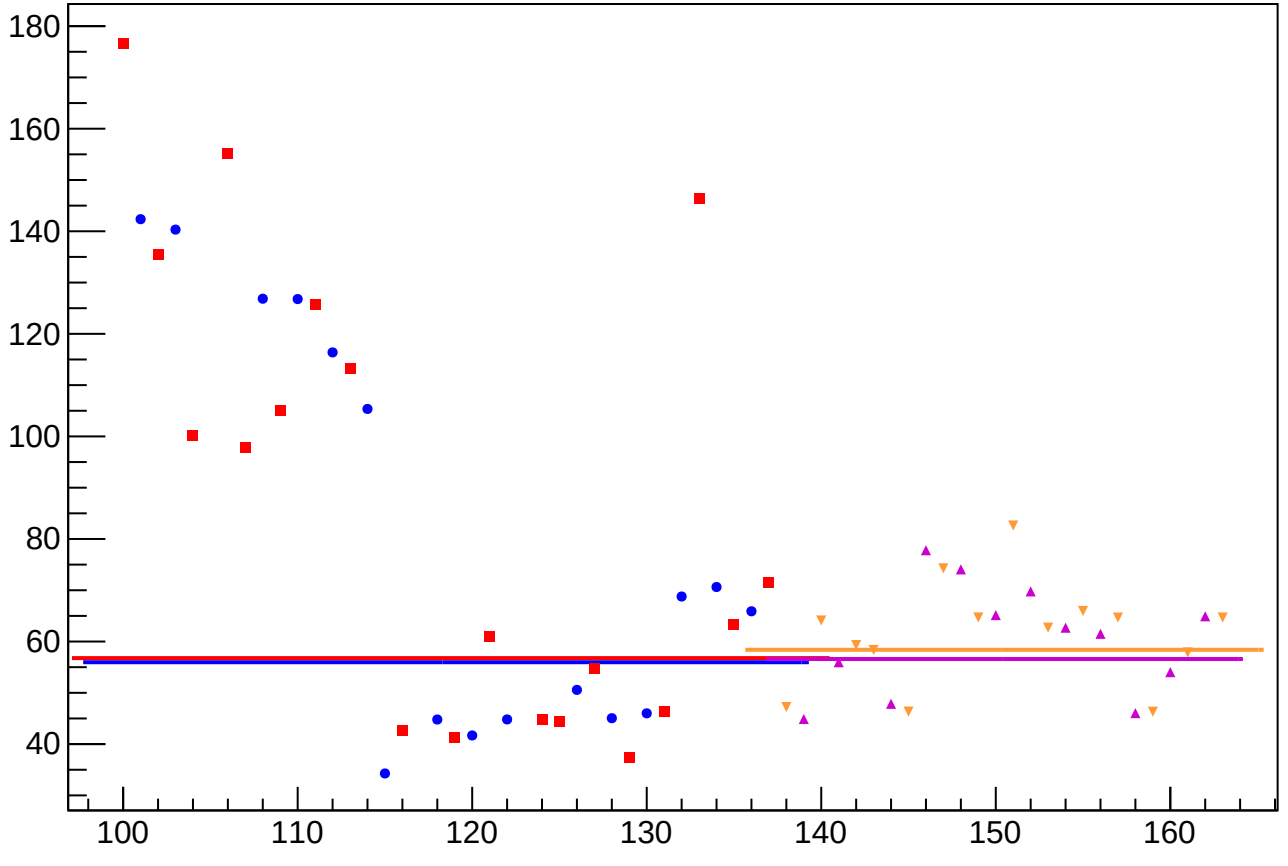
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.002+/-0.014 χ^2/NDF:26.3/27

Out: 0.019+/-0.014 χ^2/NDF:43.5/32

All: 0.008+/-0.010 χ^2/NDF: 70.9/60

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 58.391+/-0.013 χ^2/NDF:595969.6/13

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 56.593+/-0.013 χ^2/NDF:602817.6/11

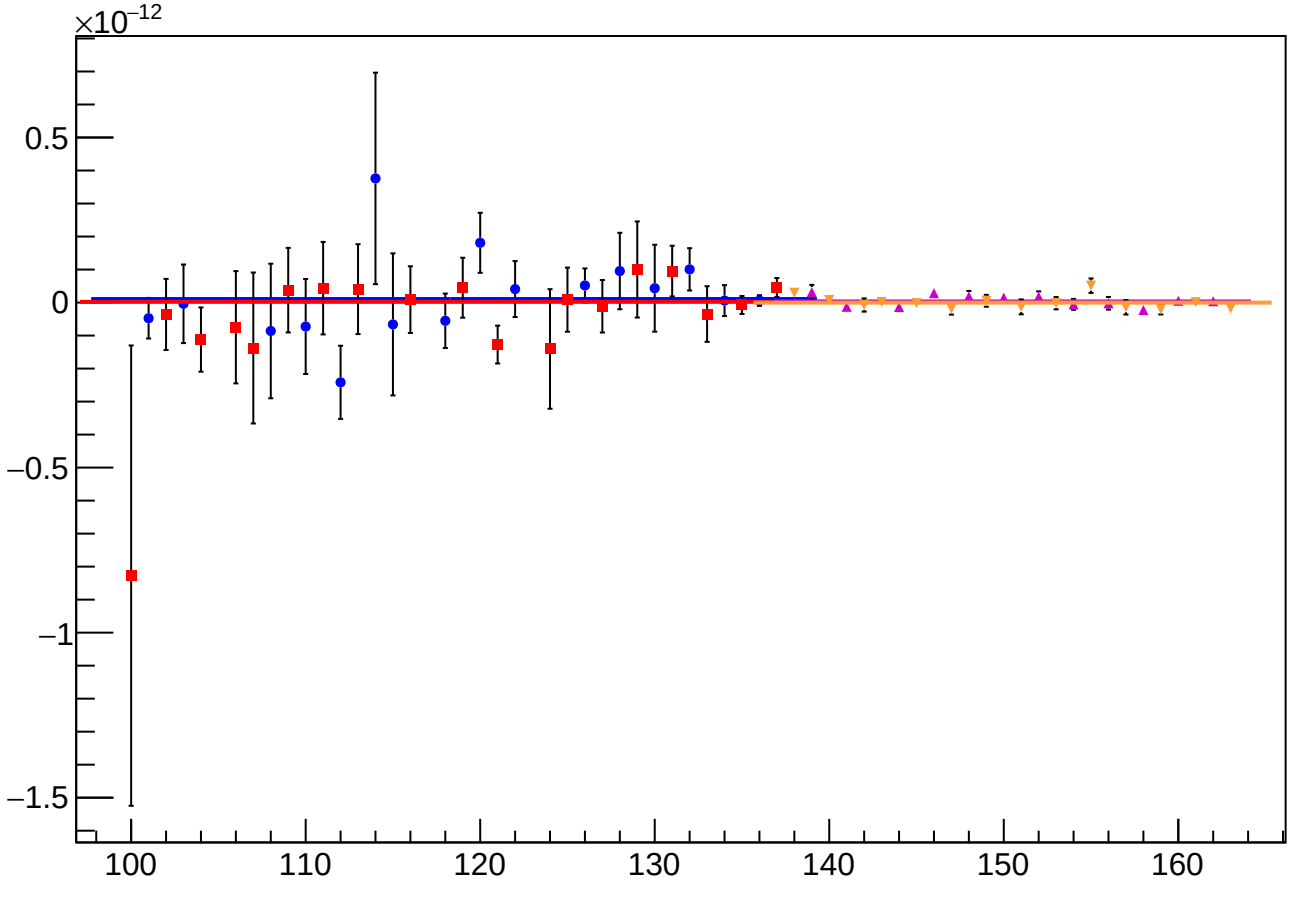
Left: 57.507+/-0.009 χ^2/NDF: 1208680.8/25

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.357+/-0.010 χ^2/NDF:2783463.2/27

Out: 57.795+/-0.010 χ^2/NDF:3155152.9/32

All: 57.083+/-0.007 χ^2/NDF: 5948699.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/11

Left: 0.000+/-0.000 χ^2/NDF: 41.6/25

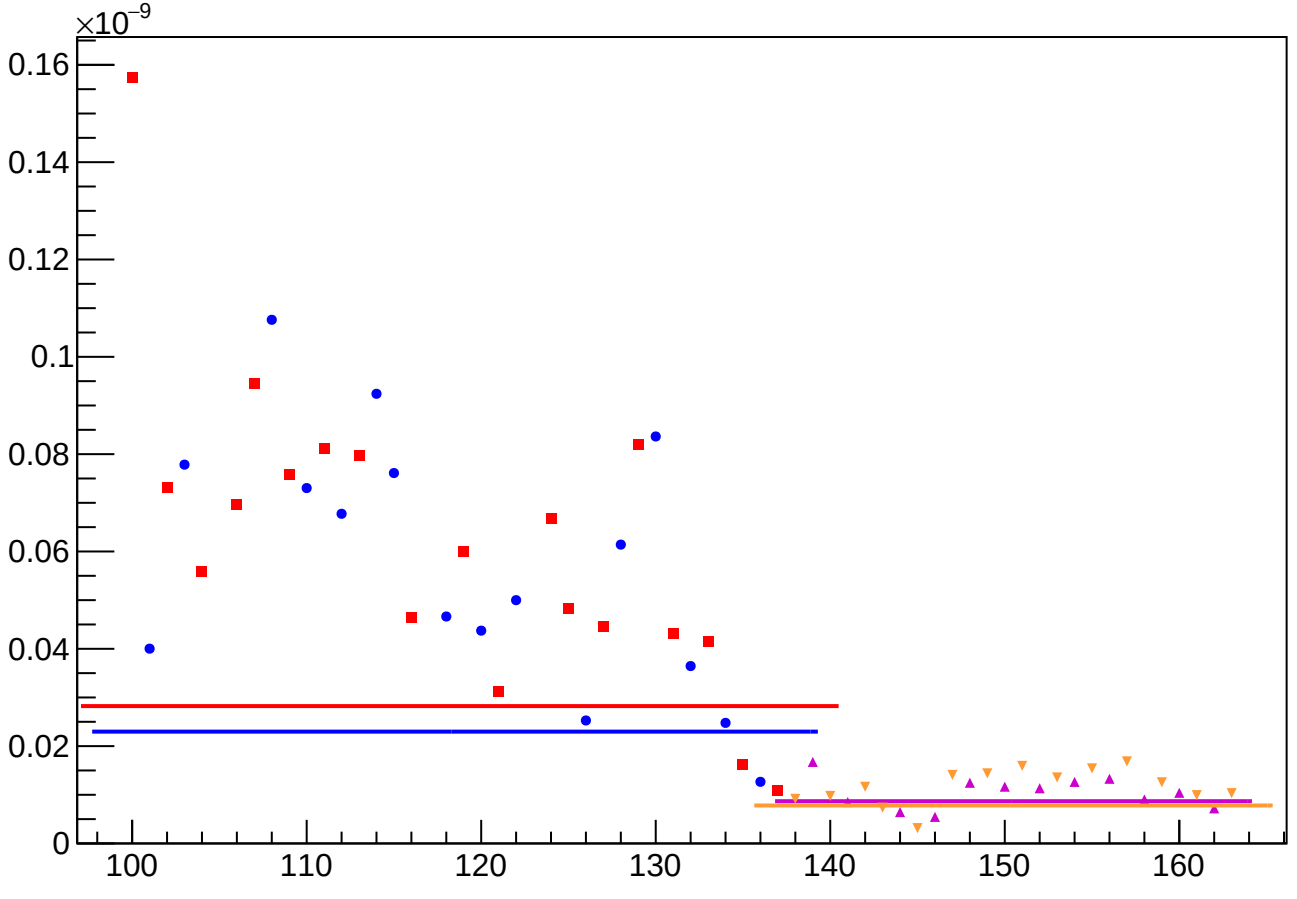
Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:40.6/27

Out: -0.000+/-0.000 χ^2/NDF:30.7/32

All: 0.000+/-0.000 χ^2/NDF: 72.0/60

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3666546.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1257170.0/11

Left: 0.000+/-0.000 χ^2/NDF: 4990650.2/25

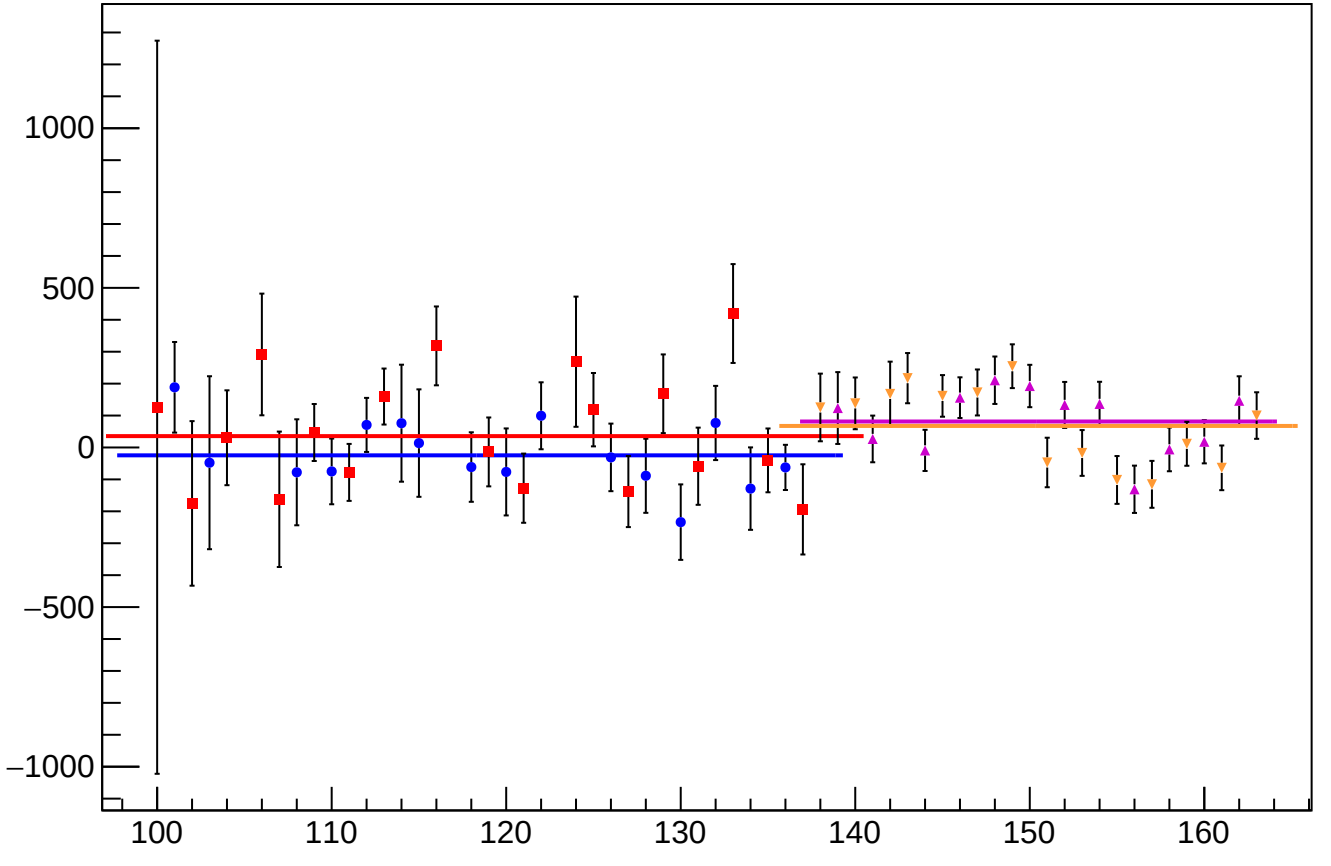
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:7251360.4/27

Out: 0.000+/-0.000 χ^2/NDF:10811890.3/32

All: 0.000+/-0.000 χ^2/NDF: 18156664.3/60

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.442+/-20.127 χ^2/NDF:36.6/13

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 81.366+/-20.649 χ^2/NDF:22.5/11

Left: 74.225+/-14.413 χ^2/NDF: 59.2/25

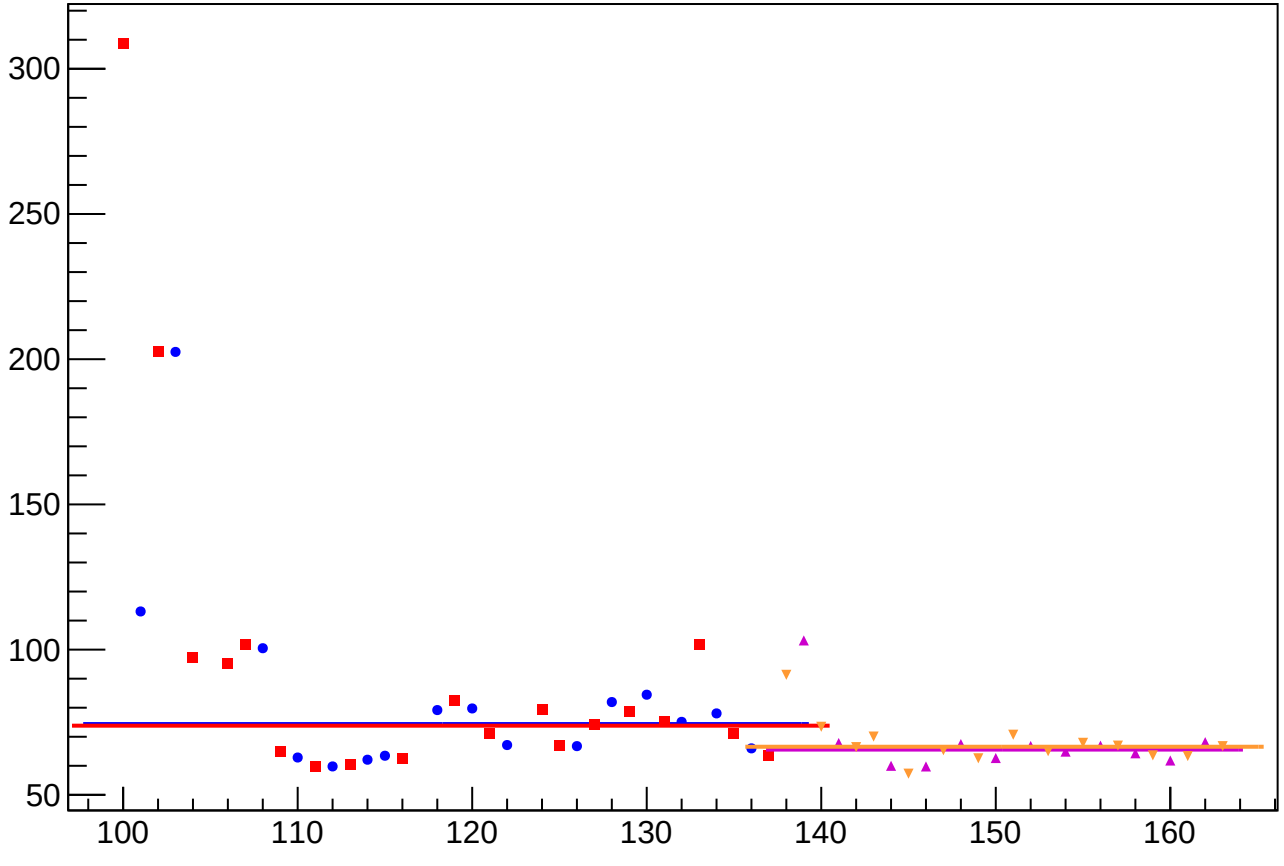
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 45.563+/-16.803 χ^2/NDF:42.4/27

Out: 56.817+/-16.432 χ^2/NDF:67.5/32

All: 51.316+/-11.748 χ^2/NDF: 110.1/60

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.583+/-0.015 χ^2/NDF:272409.4/11

Left: 66.084+/-0.010 χ^2/NDF: 465280.5/25

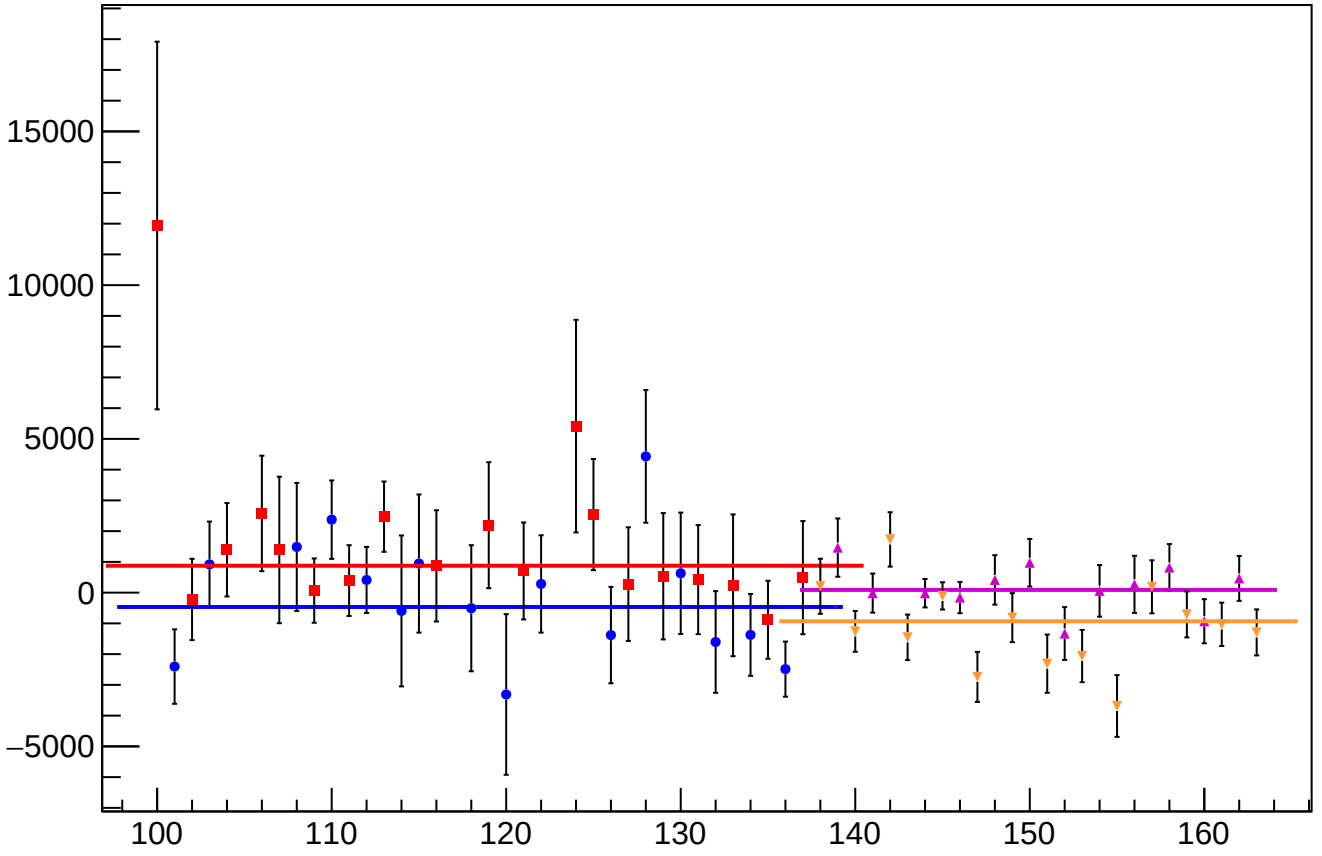
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 68.550+/-0.012 χ^2/NDF:1222306.0/27

Out: 68.980+/-0.012 χ^2/NDF:1209170.4/32

All: 68.770+/-0.008 χ^2/NDF: 2432143.3/60

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -931.966+/-199.146 χ^2/NDF:33.3/13

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 88.954+/-200.713 χ^2/NDF:9.9/11

Left: -425.506+/-141.368 χ^2/NDF: 56.2/25

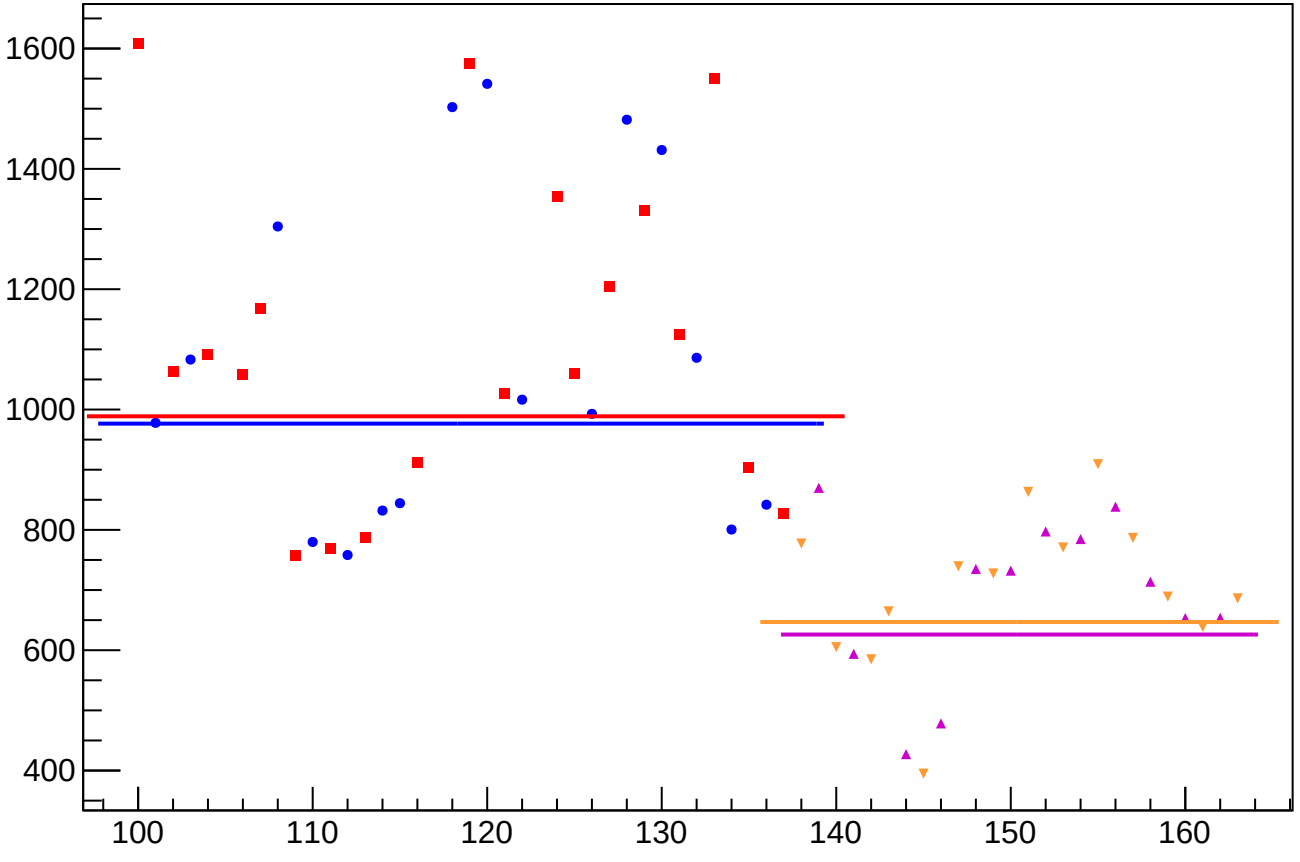
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -34.726+/-176.963 χ^2/NDF:35.3/27

Out: -529.787+/-175.596 χ^2/NDF:64.7/32

All: -284.176+/-124.645 χ^2/NDF: 103.9/60

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100280.7/13

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 626.052+/-0.142 χ^2/NDF:1037582.8/11

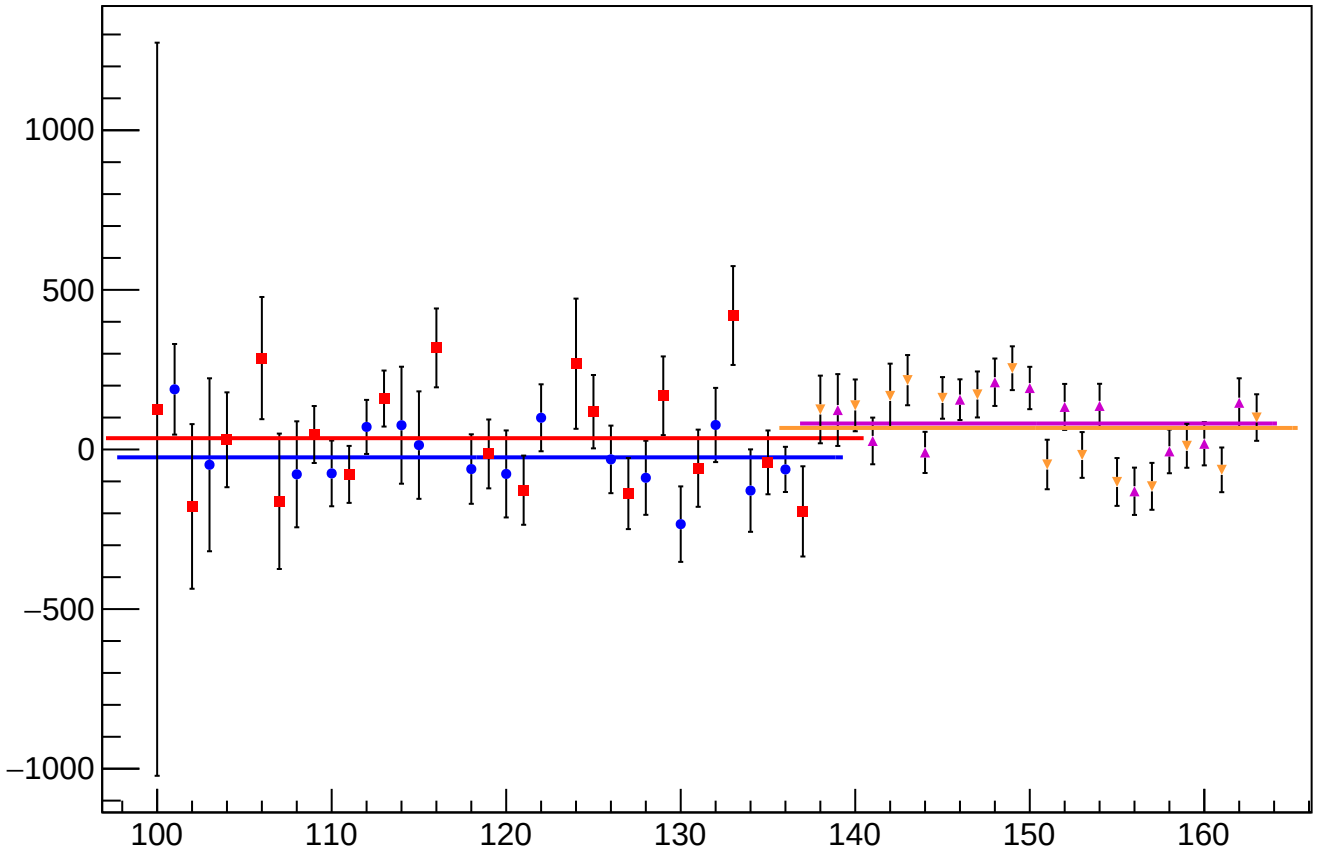
Left: 636.556+/-0.100 χ^2/NDF: 2148731.7/25

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 704.099+/-0.125 χ^2/NDF:3132385.2/27

Out: 722.970+/-0.124 χ^2/NDF:3127544.1/32

All: 713.608+/-0.088 χ^2/NDF: 6271389.2/60



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 81.367+/-20.649 χ^2/NDF:22.5/11

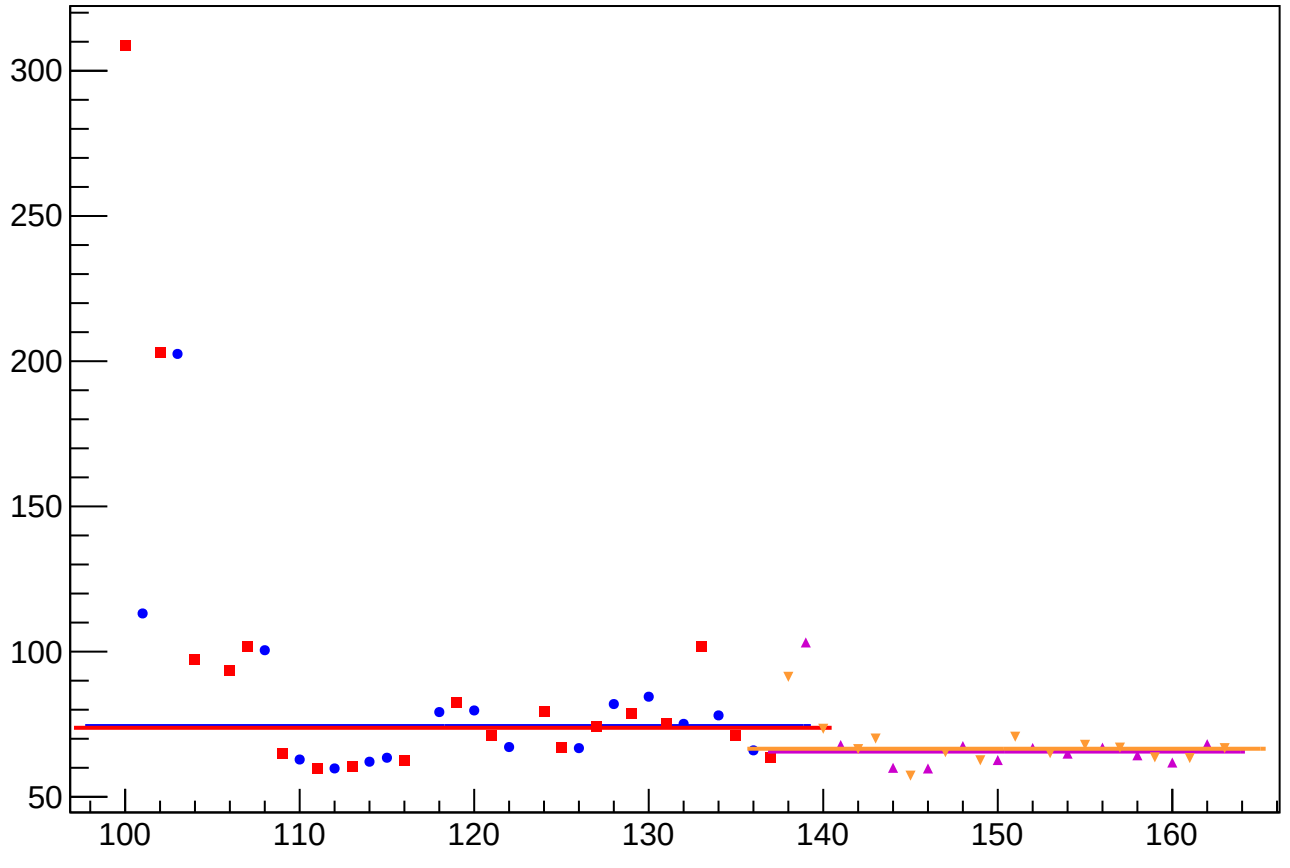
Left: 74.228+/-14.413 χ^2/NDF: 59.2/25

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 45.561+/-16.803 χ^2/NDF:42.4/27

Out: 56.755+/-16.432 χ^2/NDF:67.4/32

All: 51.283+/-11.748 χ^2/NDF: 110.0/60



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.583+/-0.015 χ^2/NDF:272409.4/11

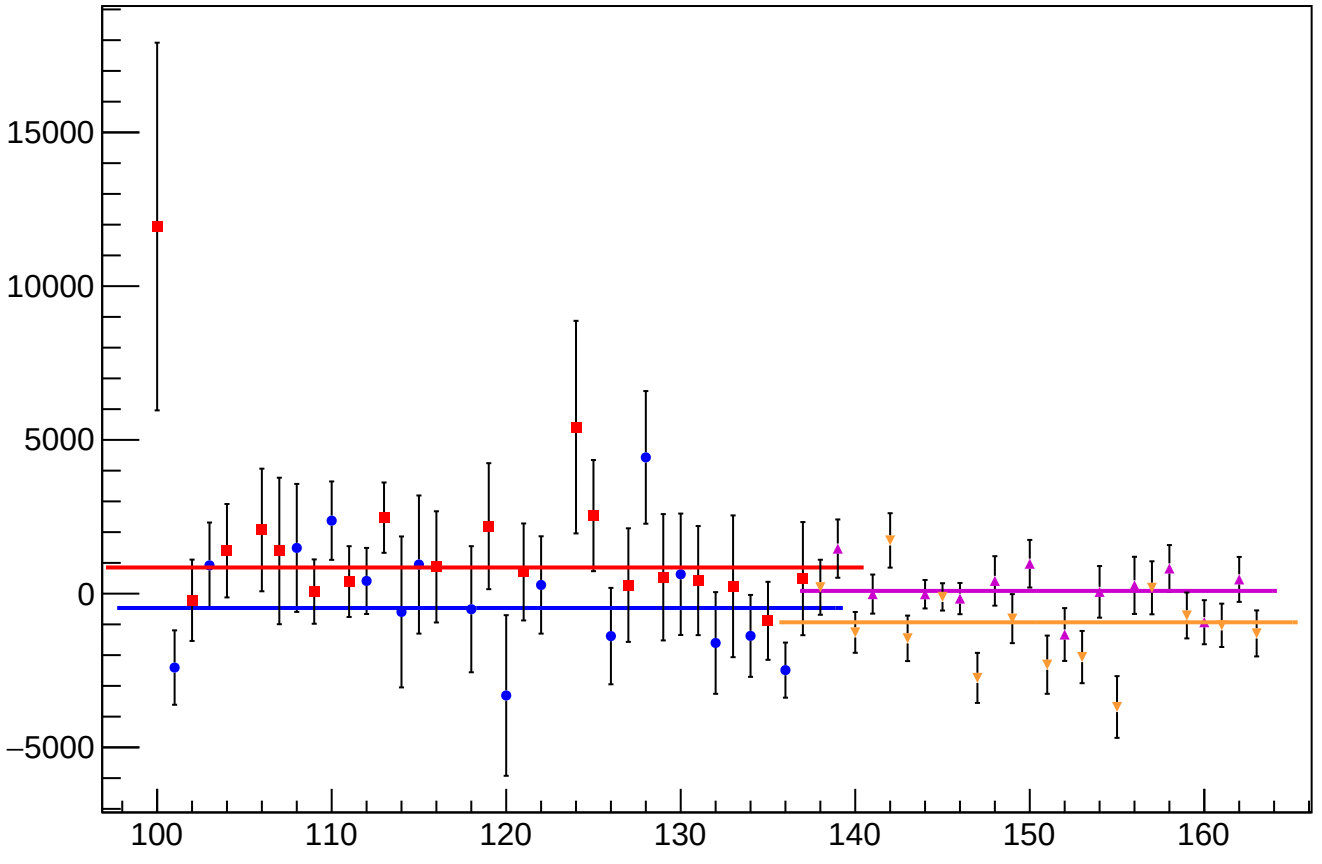
Left: 66.084+/-0.010 χ^2/NDF: 465280.5/25

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.550+/-0.012 χ^2/NDF:1222307.9/27

Out: 68.965+/-0.012 χ^2/NDF:1204376.6/32

All: 68.762+/-0.008 χ^2/NDF: 2427307.7/60



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -931.964+/-199.146 χ^2/NDF:33.3/13

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 88.954+/-200.713 χ^2/NDF:9.9/11

Left: -425.505+/-141.368 χ^2/NDF: 56.2/25

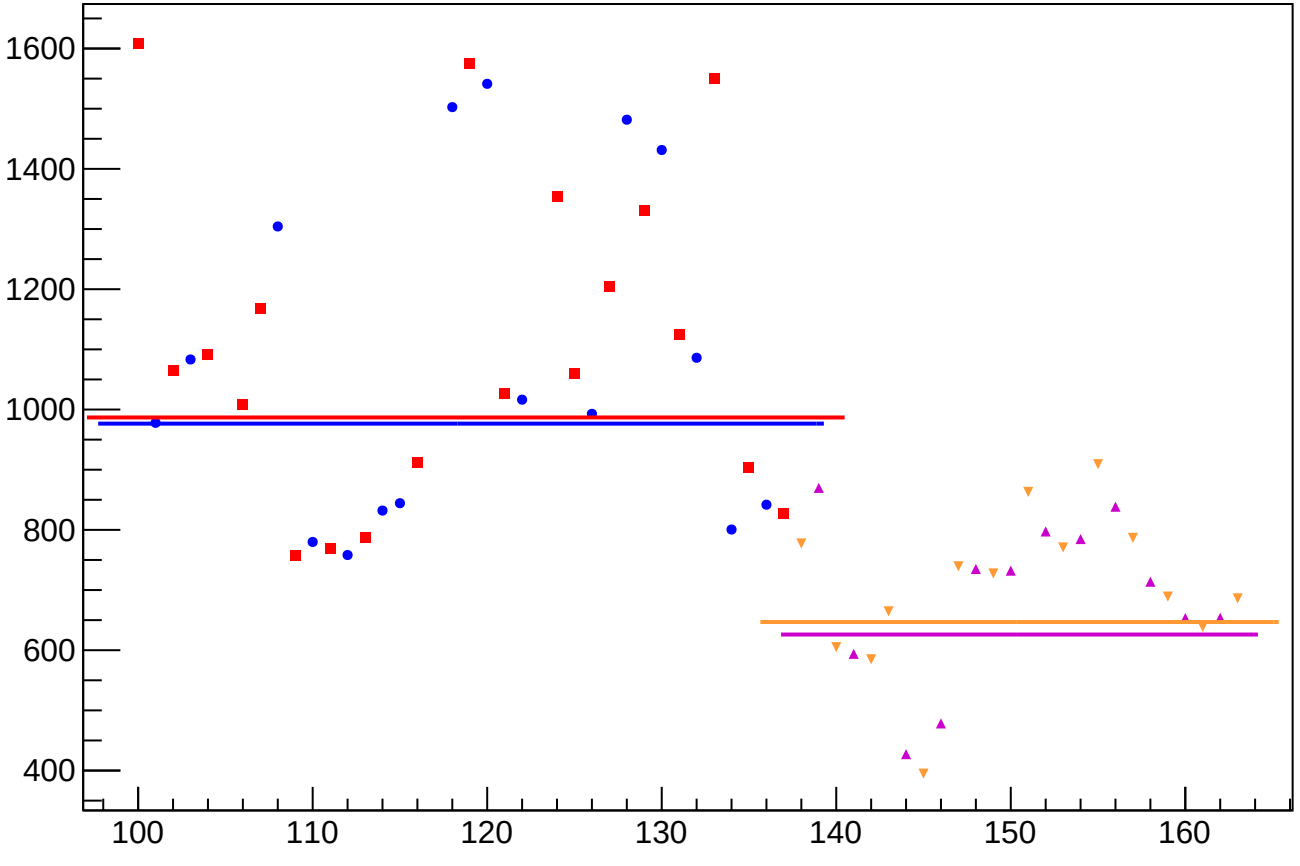
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -34.721+/-176.963 χ^2/NDF:35.3/27

Out: -536.670+/-175.685 χ^2/NDF:63.6/32

All: -287.515+/-124.677 χ^2/NDF: 103.0/60

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 626.052+/-0.142 χ^2/NDF:1037583.6/11

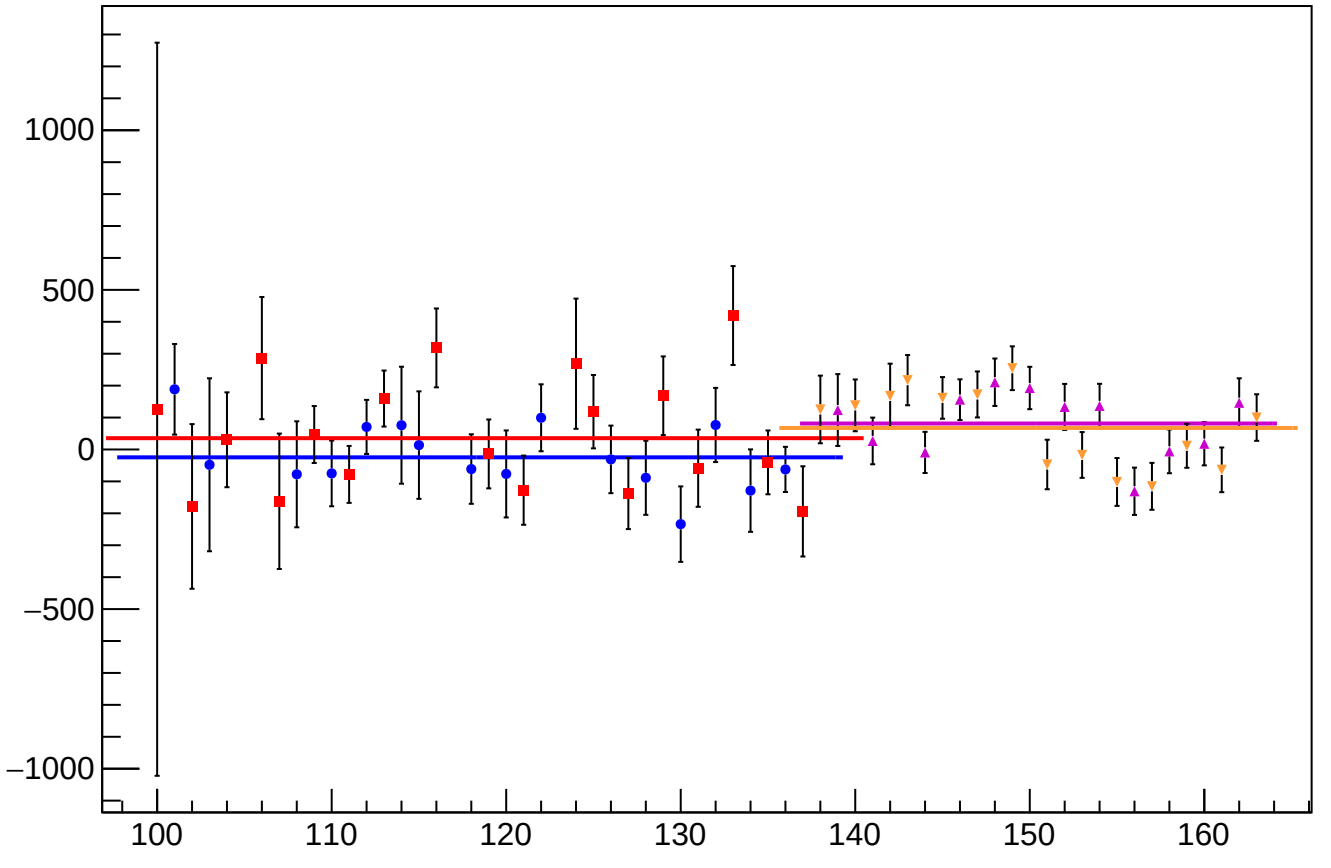
Left: 636.555+/-0.100 χ^2/NDF: 2148732.8/25

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 704.100+/-0.125 χ^2/NDF:3132441.1/27

Out: 722.270+/-0.124 χ^2/NDF:3105706.0/32

All: 713.251+/-0.088 χ^2/NDF: 6248765.8/60



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 67.445+/-20.127 χ^2/NDF:36.6/13

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 81.367+/-20.649 χ^2/NDF:22.5/11

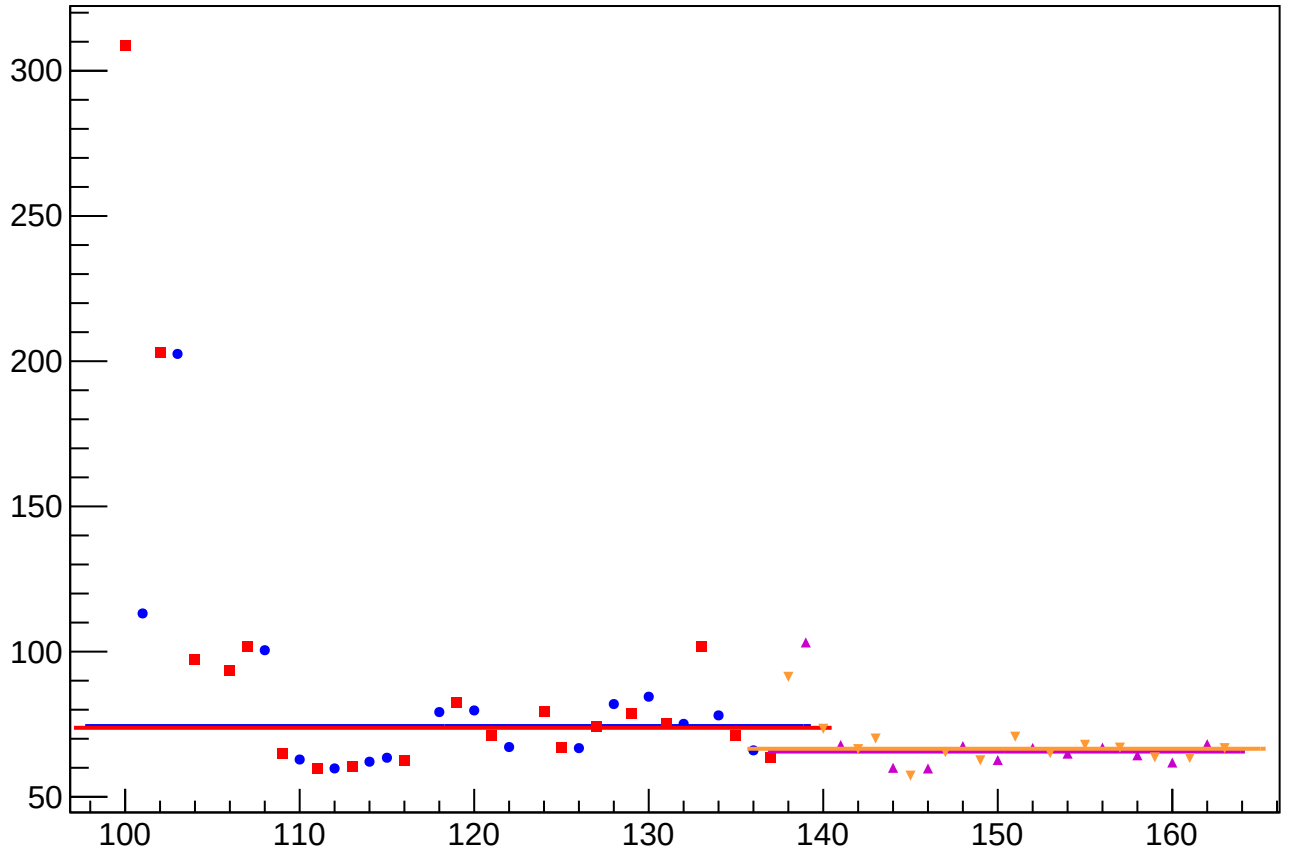
Left: 74.228+/-14.413 χ^2/NDF: 59.2/25

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 45.561+/-16.803 χ^2/NDF:42.4/27

Out: 56.755+/-16.432 χ^2/NDF:67.4/32

All: 51.283+/-11.748 χ^2/NDF: 110.0/60



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 66.560+/-0.014 χ^2/NDF:190571.8/13

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.583+/-0.015 χ^2/NDF:272409.4/11

Left: 66.084+/-0.010 χ^2/NDF: 465280.5/25

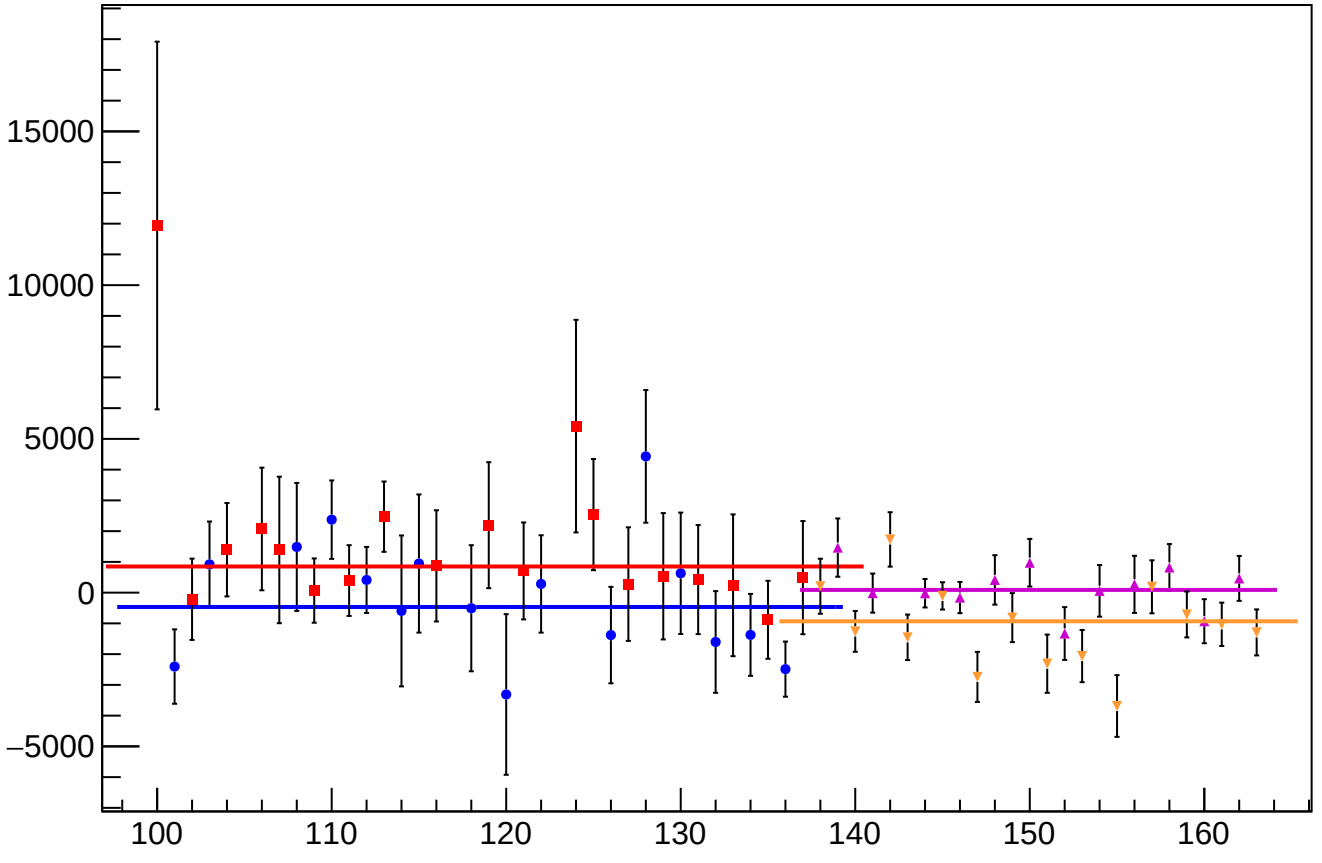
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 68.550+/-0.012 χ^2/NDF:1222307.9/27

Out: 68.965+/-0.012 χ^2/NDF:1204376.6/32

All: 68.762+/-0.008 χ^2/NDF: 2427307.7/60

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: -931.964+/-199.146 χ^2/NDF:33.3/13

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 88.954+/-200.713 χ^2/NDF:9.9/11

Left: -425.505+/-141.368 χ^2/NDF: 56.2/25

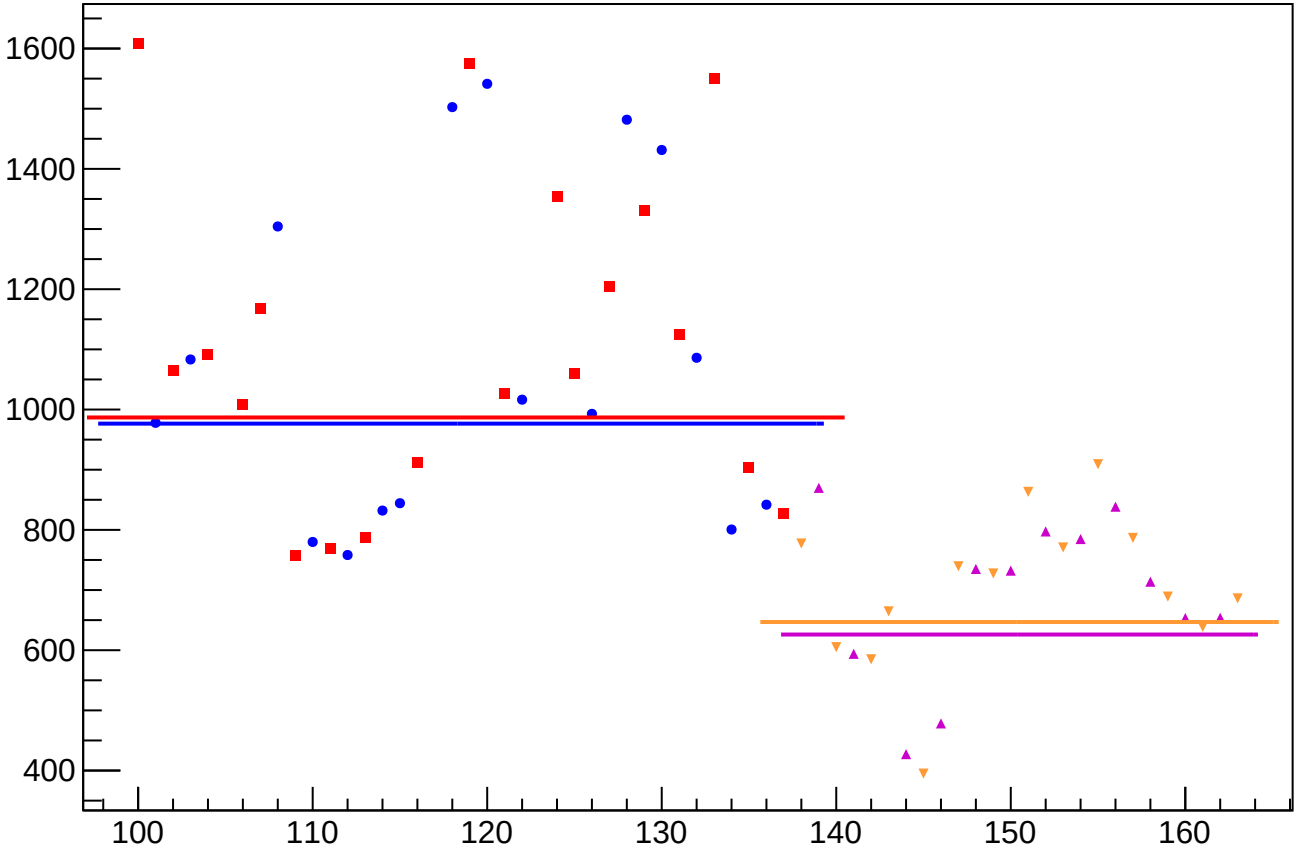
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -34.721+/-176.963 χ^2/NDF:35.3/27

Out: -536.670+/-175.685 χ^2/NDF:63.6/32

All: -287.515+/-124.677 χ^2/NDF: 103.0/60

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: 646.895+/-0.141 χ^2/NDF:1100281.1/13

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 626.052+/-0.142 χ^2/NDF:1037583.6/11

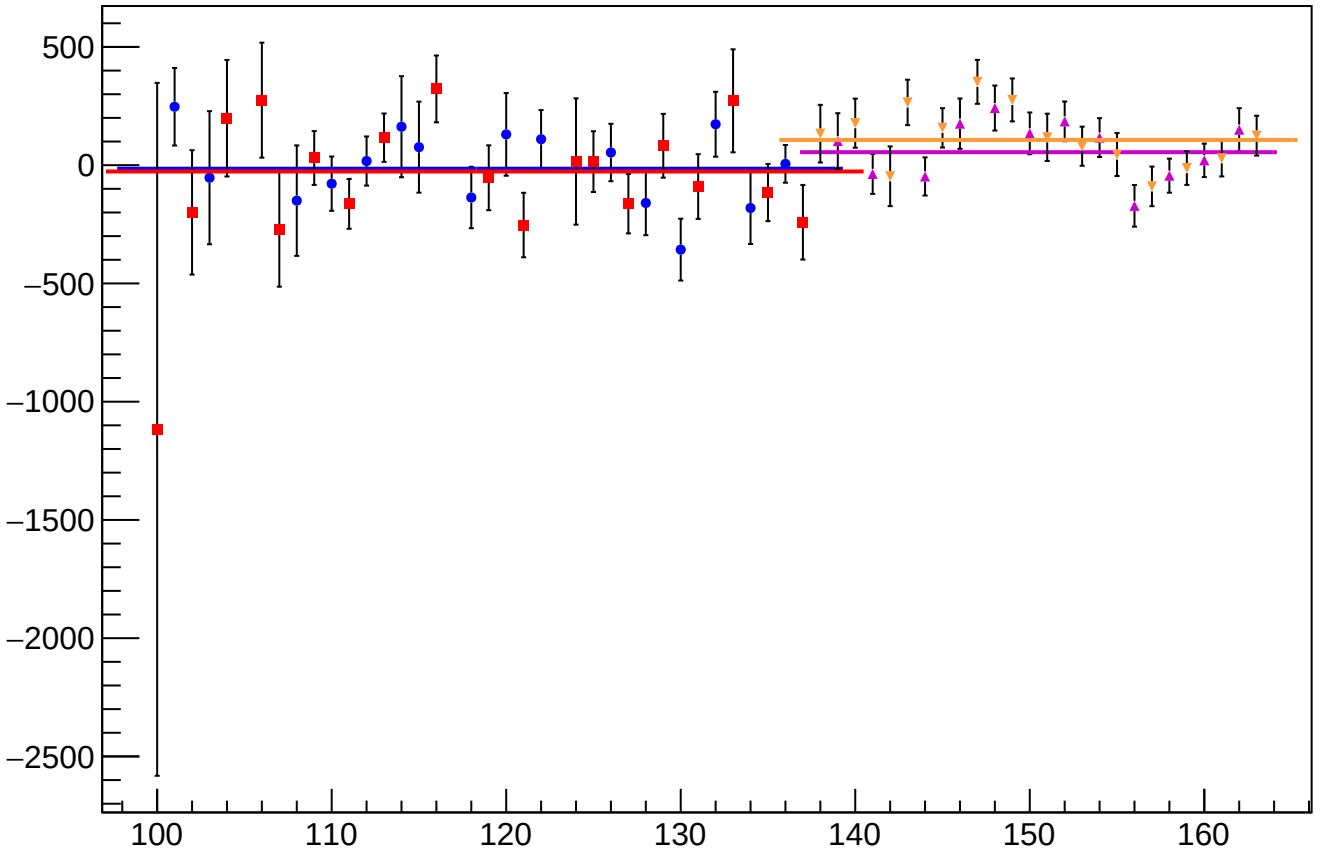
Left: 636.555+/-0.100 χ^2/NDF: 2148732.8/25

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 704.100+/-0.125 χ^2/NDF:3132441.1/27

Out: 722.270+/-0.124 χ^2/NDF:3105706.0/32

All: 713.251+/-0.088 χ^2/NDF: 6248765.8/60



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 106.776+/-24.042 χ^2/NDF:25.5/13

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 54.933+/-24.799 χ^2/NDF:21.8/11

Left: 81.658+/-17.261 χ^2/NDF: 49.5/25

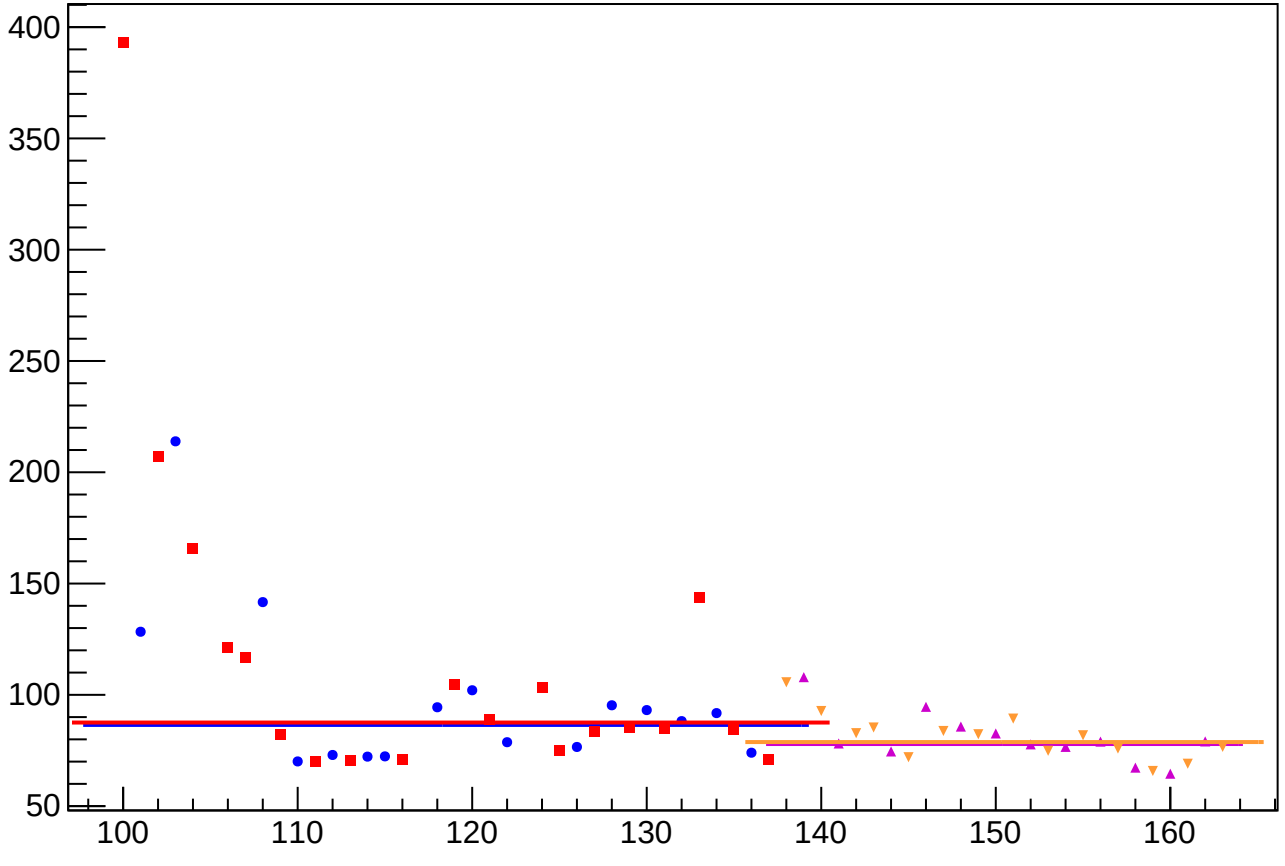
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 30.441+/-19.986 χ^2/NDF:42.8/27

Out: 62.426+/-19.644 χ^2/NDF:59.3/32

All: 46.710+/-14.010 χ^2/NDF: 103.5/60

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 78.786+/-0.017 χ^2/NDF:298065.7/13

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 77.902+/-0.018 χ^2/NDF:317609.6/11

Left: 78.358+/-0.012 χ^2/NDF: 616987.2/25

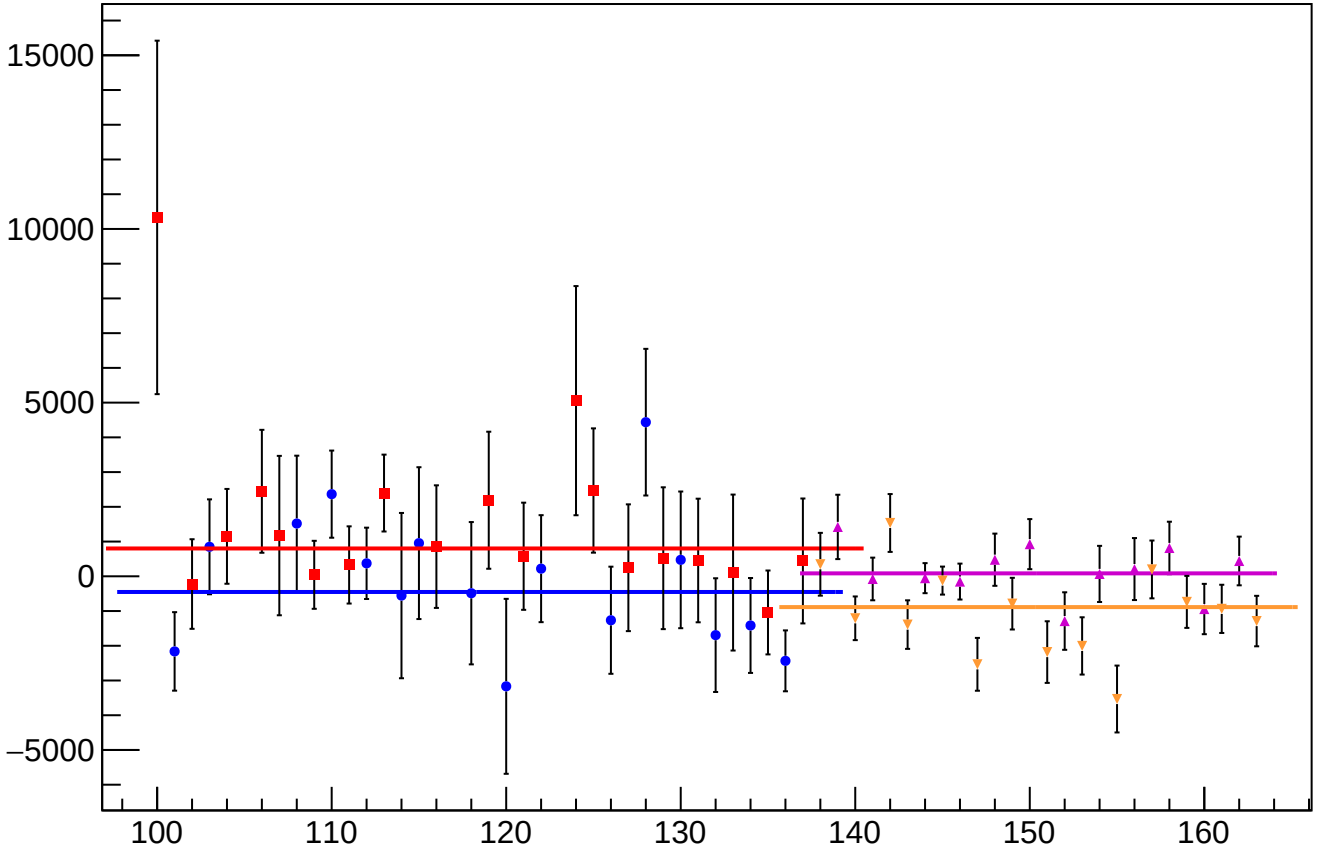
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 80.911+/-0.014 χ^2/NDF:1257910.5/27

Out: 81.701+/-0.014 χ^2/NDF:1516279.7/32

All: 81.313+/-0.010 χ^2/NDF: 2775777.5/60

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -886.720+/-189.148 χ^2/NDF:33.0/13

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 84.565+/-194.142 χ^2/NDF:10.1/11

Left: -413.732+/-135.479 χ^2/NDF: 55.9/25

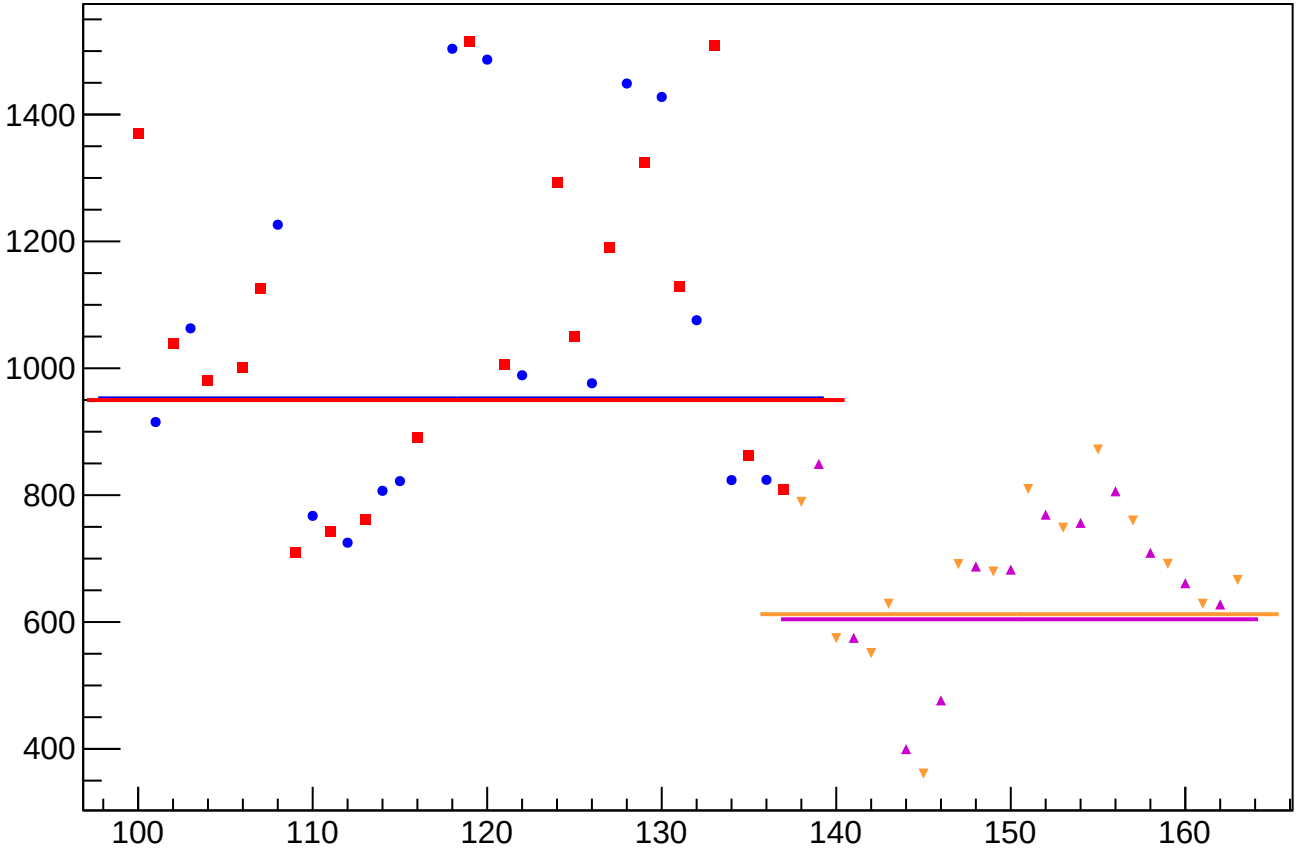
Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -33.319+/-171.467 χ^2/NDF:35.5/27

Out: -518.147+/-167.226 χ^2/NDF:64.0/32

All: -281.802+/-119.718 χ^2/NDF: 103.5/60

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 612.373+/-0.134 χ^2/NDF:1307003.6/13

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 604.352+/-0.137 χ^2/NDF:1067612.4/11

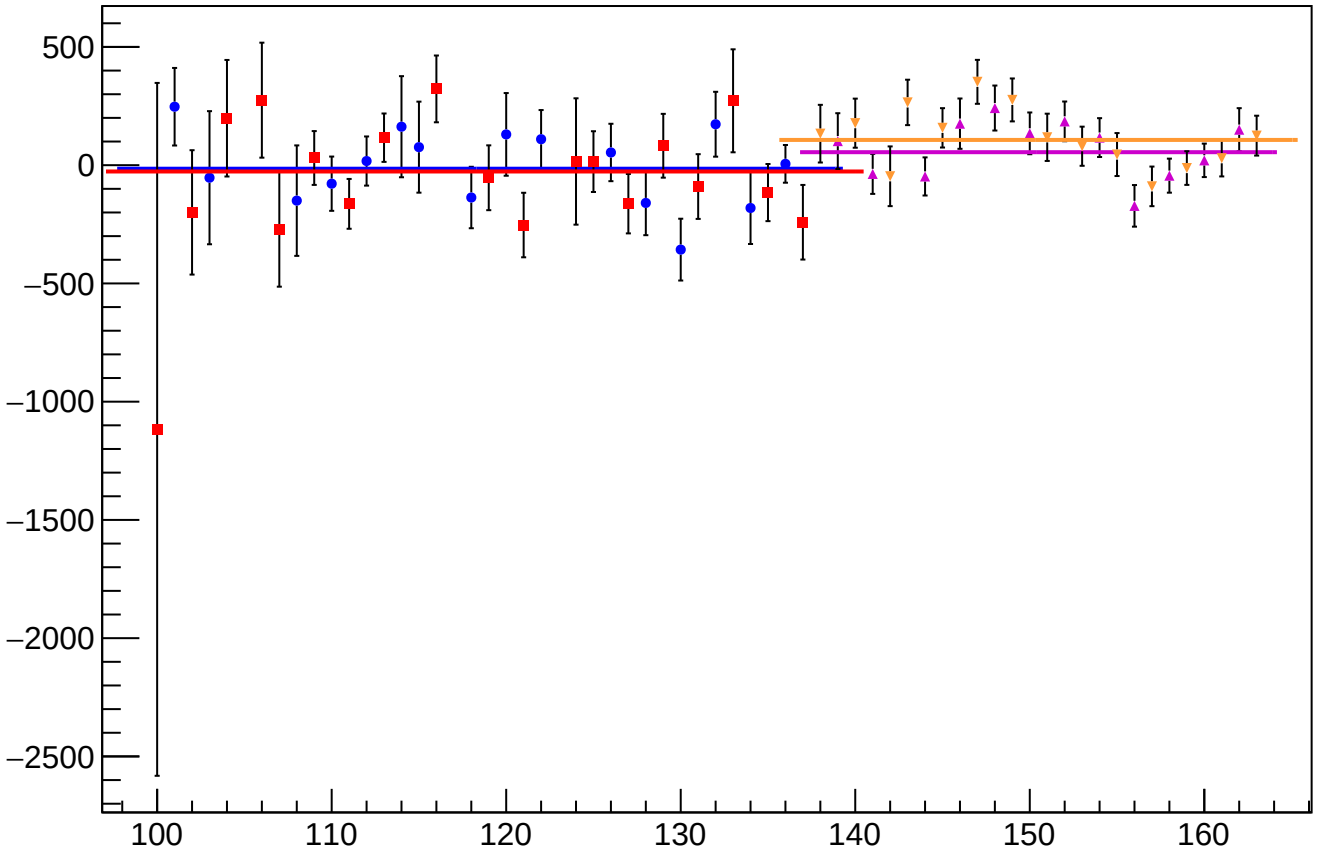
Left: 608.467+/-0.096 χ^2/NDF: 2376367.4/25

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 680.940+/-0.121 χ^2/NDF:3229035.5/27

Out: 686.073+/-0.118 χ^2/NDF:3449248.1/32

All: 683.571+/-0.085 χ^2/NDF: 6679202.2/60



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 106.778+/-24.042 χ^2/NDF:25.5/13

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 54.932+/-24.799 χ^2/NDF:21.8/11

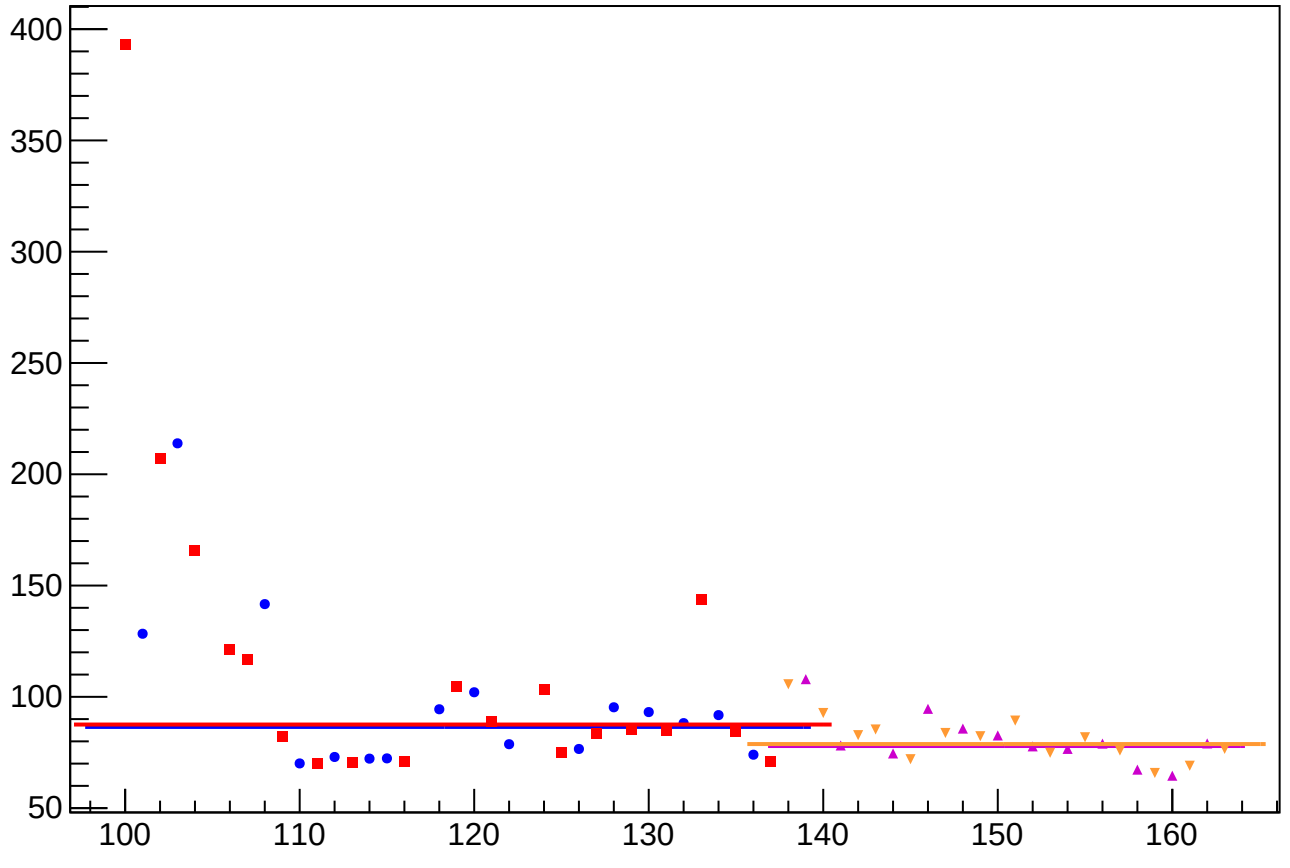
Left: 81.659+/-17.261 χ^2/NDF: 49.5/25

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 30.440+/-19.986 χ^2/NDF:42.8/27

Out: 62.427+/-19.644 χ^2/NDF:59.3/32

All: 46.710+/-14.010 χ^2/NDF: 103.5/60



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 78.787+/-0.017 χ^2/NDF:298072.5/13

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 77.902+/-0.018 χ^2/NDF:317614.5/11

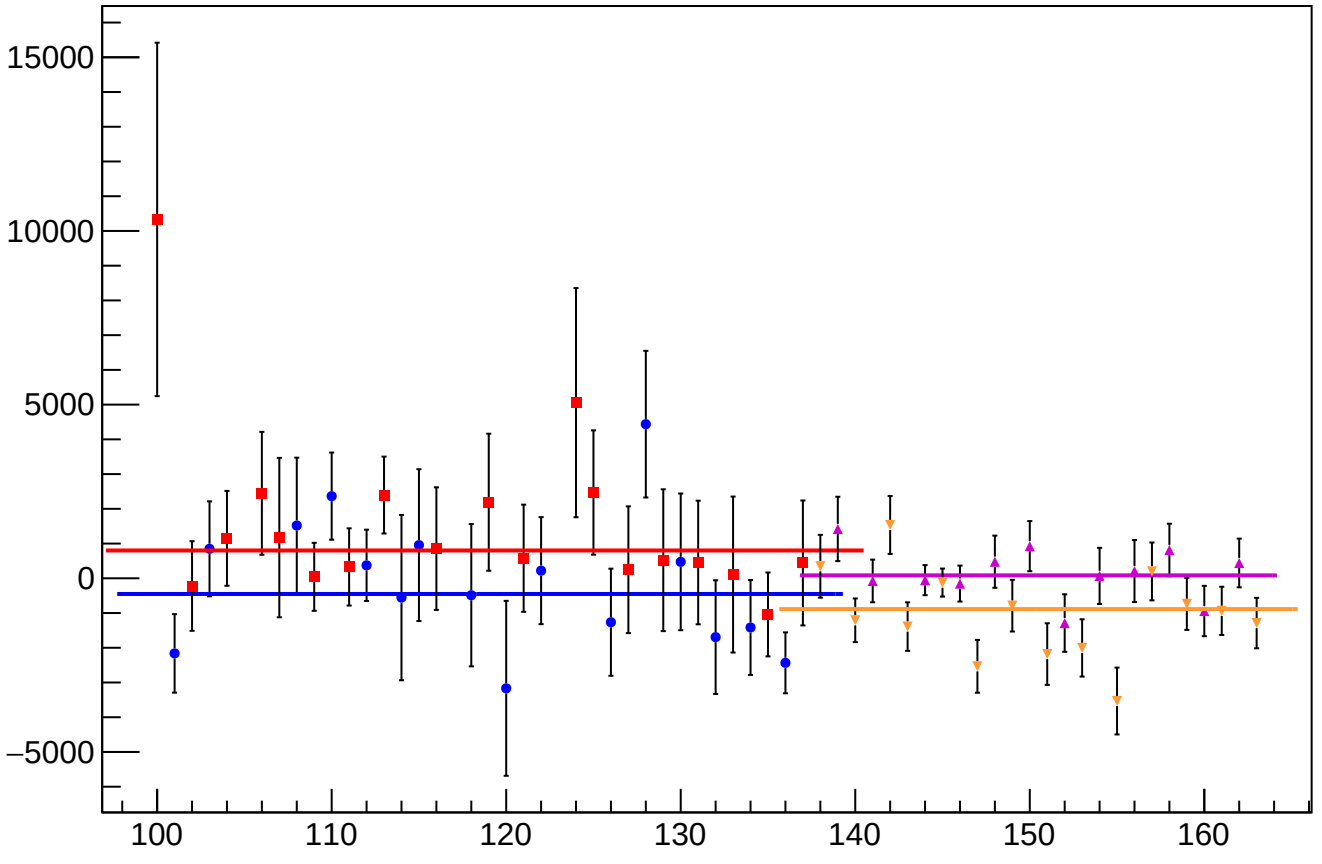
Left: 78.358+/-0.012 χ^2/NDF: 616999.1/25

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 80.912+/-0.014 χ^2/NDF:1257908.7/27

Out: 81.701+/-0.014 χ^2/NDF:1516285.6/32

All: 81.313+/-0.010 χ^2/NDF: 2775782.1/60



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -886.720+/-189.148 χ^2/NDF:33.0/13

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 84.565+/-194.142 χ^2/NDF:10.1/11

Left: -413.732+/-135.479 χ^2/NDF: 55.9/25

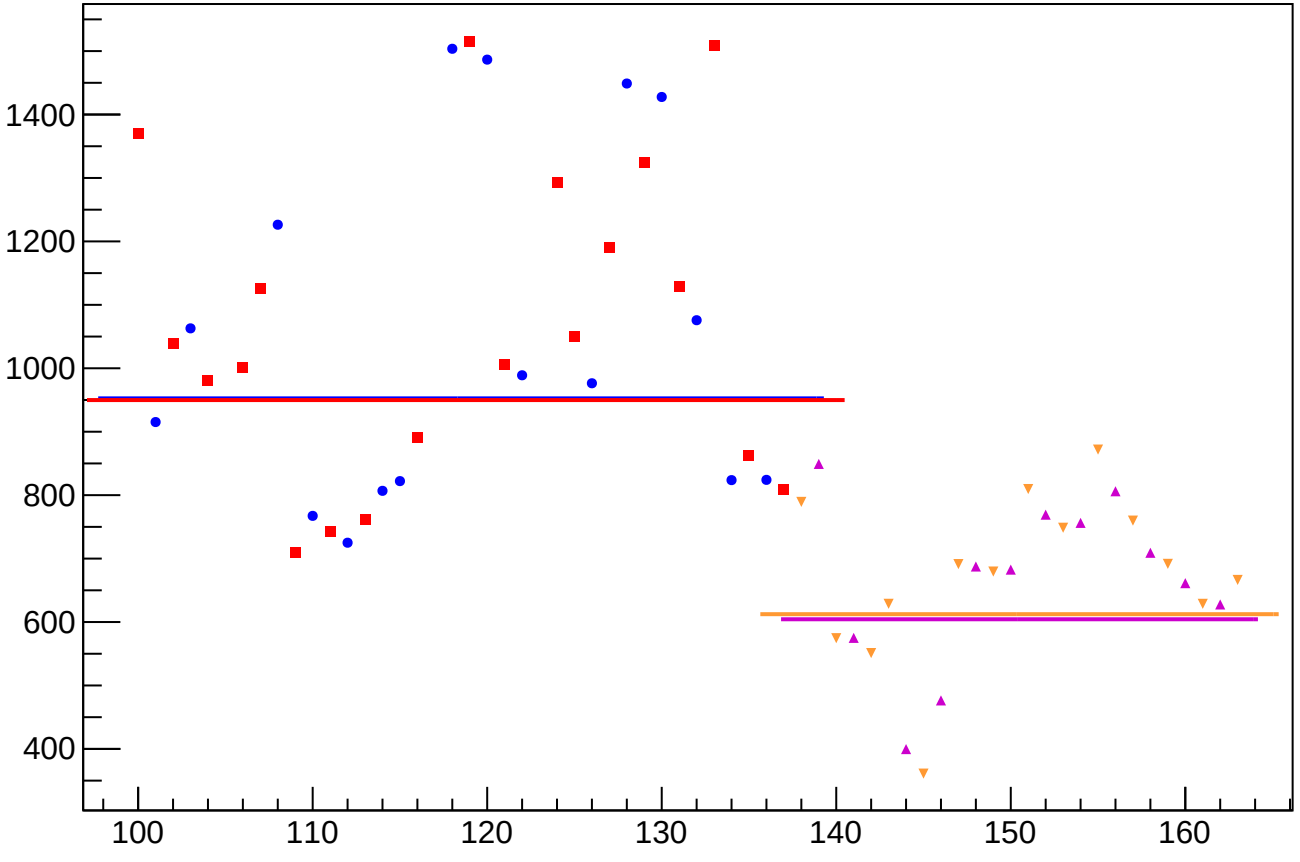
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -33.319+/-171.467 χ^2/NDF:35.5/27

Out: -518.147+/-167.226 χ^2/NDF:64.0/32

All: -281.802+/-119.718 χ^2/NDF: 103.5/60

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: 612.372+/-0.134 χ^2/NDF:1307004.5/13

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 604.351+/-0.137 χ^2/NDF:1067611.8/11

Left: 608.466+/-0.096 χ^2/NDF: 2376367.7/25

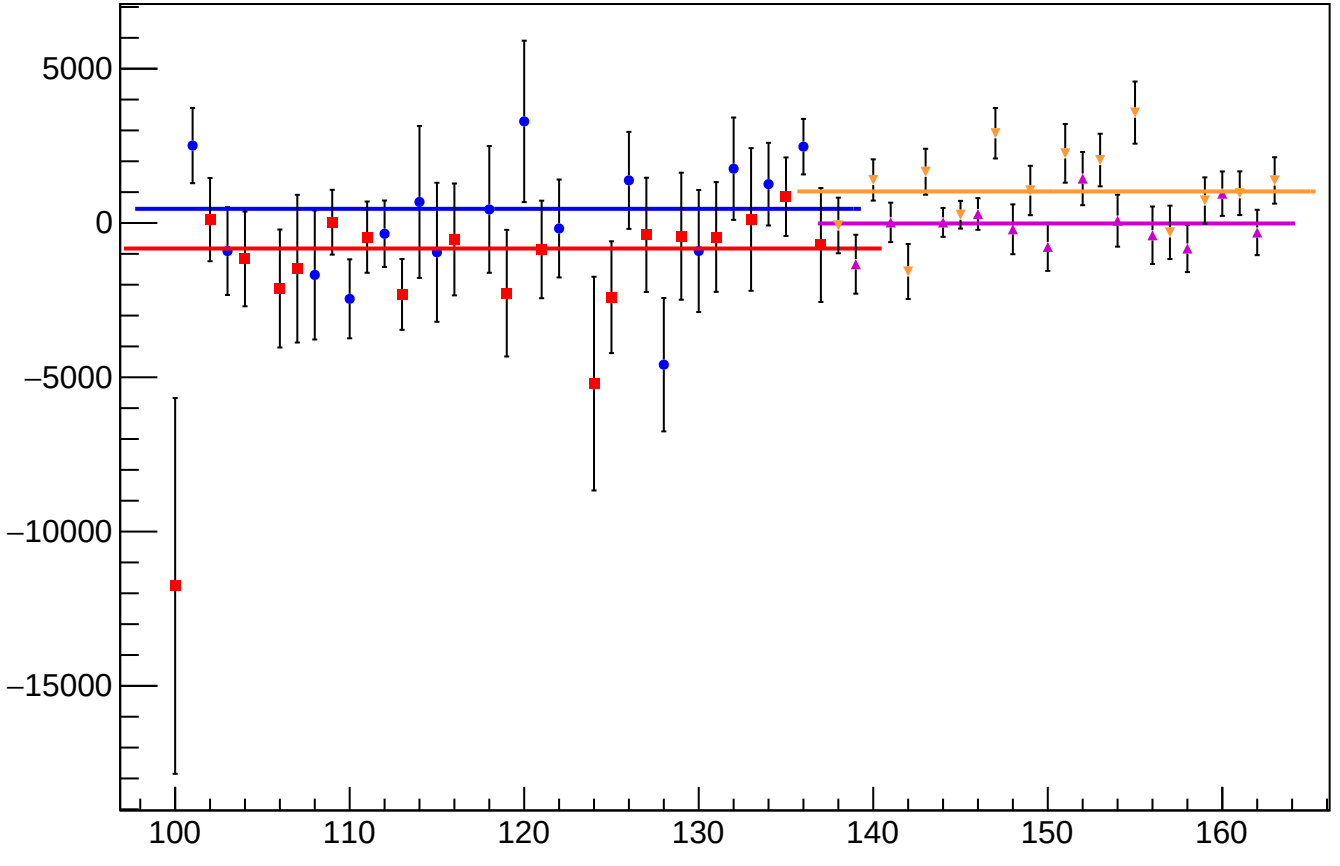
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 680.939+/-0.121 χ^2/NDF:3229032.8/27

Out: 686.072+/-0.118 χ^2/NDF:3449244.9/32

All: 683.570+/-0.085 χ^2/NDF: 6679196.1/60

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 1022.514+/-200.388 χ^2/NDF:31.4/13

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -15.485+/-202.005 χ^2/NDF:9.4/11

Left: 507.687+/-142.264 χ^2/NDF: 54.2/25

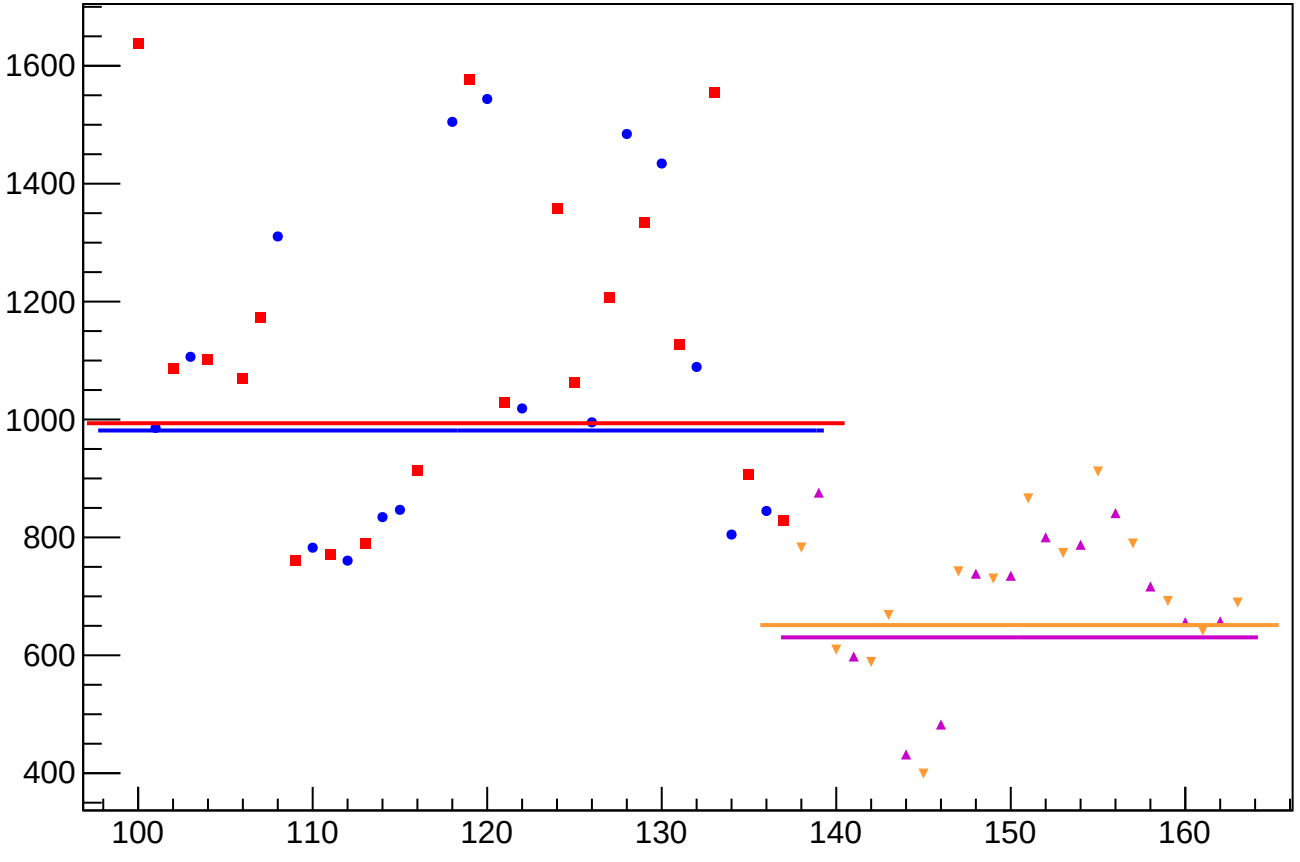
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 90.441+/-178.042 χ^2/NDF:35.2/27

Out: 610.509+/-176.657 χ^2/NDF:62.1/32

All: 352.506+/-125.402 χ^2/NDF: 101.6/60

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 651.295+/-0.142 χ^2/NDF:1075519.4/13

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 630.436+/-0.143 χ^2/NDF:1016780.9/11

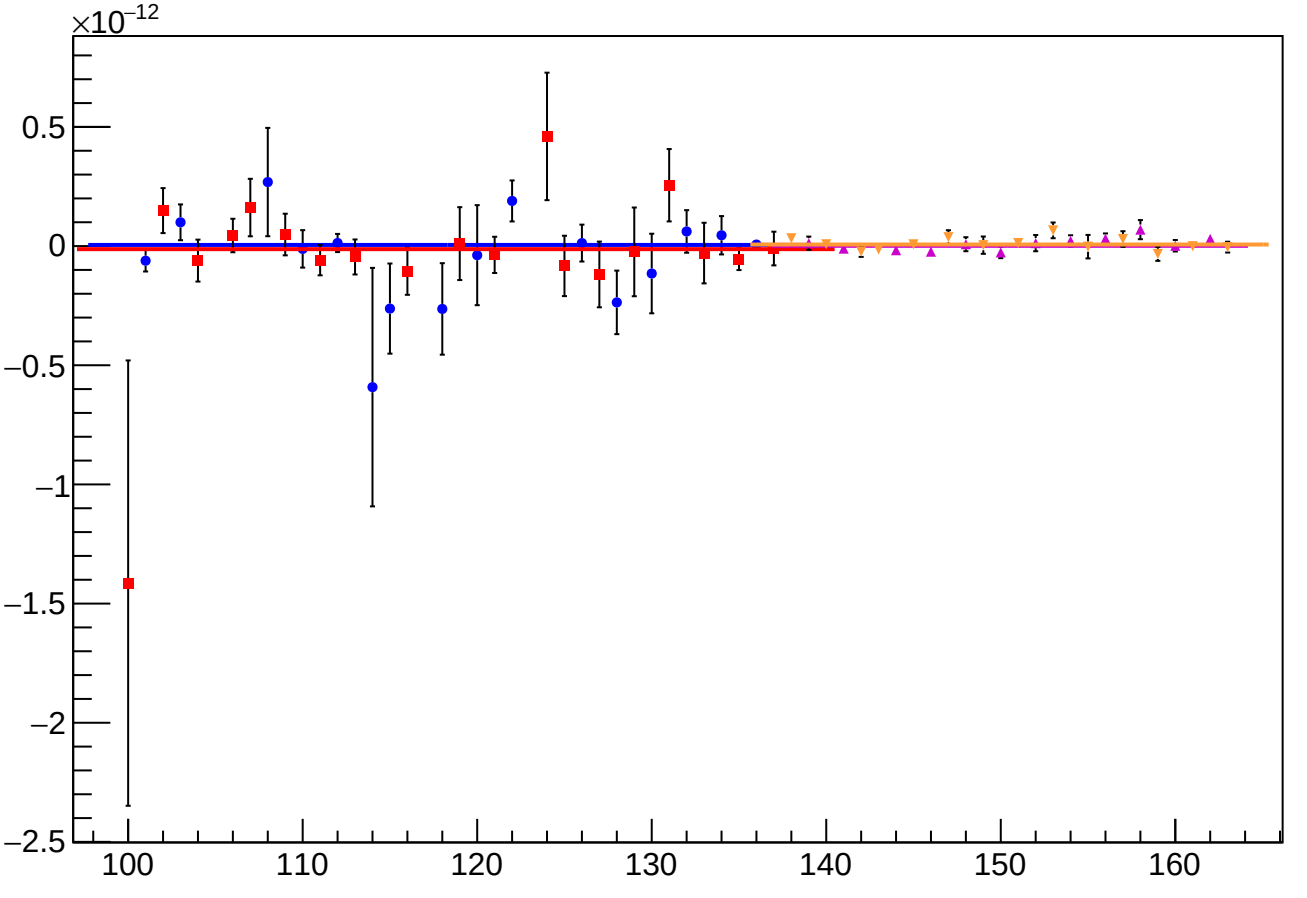
Left: 640.949+/-0.101 χ^2/NDF: 2103047.8/25

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 708.753+/-0.126 χ^2/NDF:3101376.8/27

Out: 727.586+/-0.125 χ^2/NDF:3096337.4/32

All: 718.243+/-0.089 χ^2/NDF: 6208990.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/13

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

Left In: 0.000+/-0.000 χ^2/NDF:14.7/11

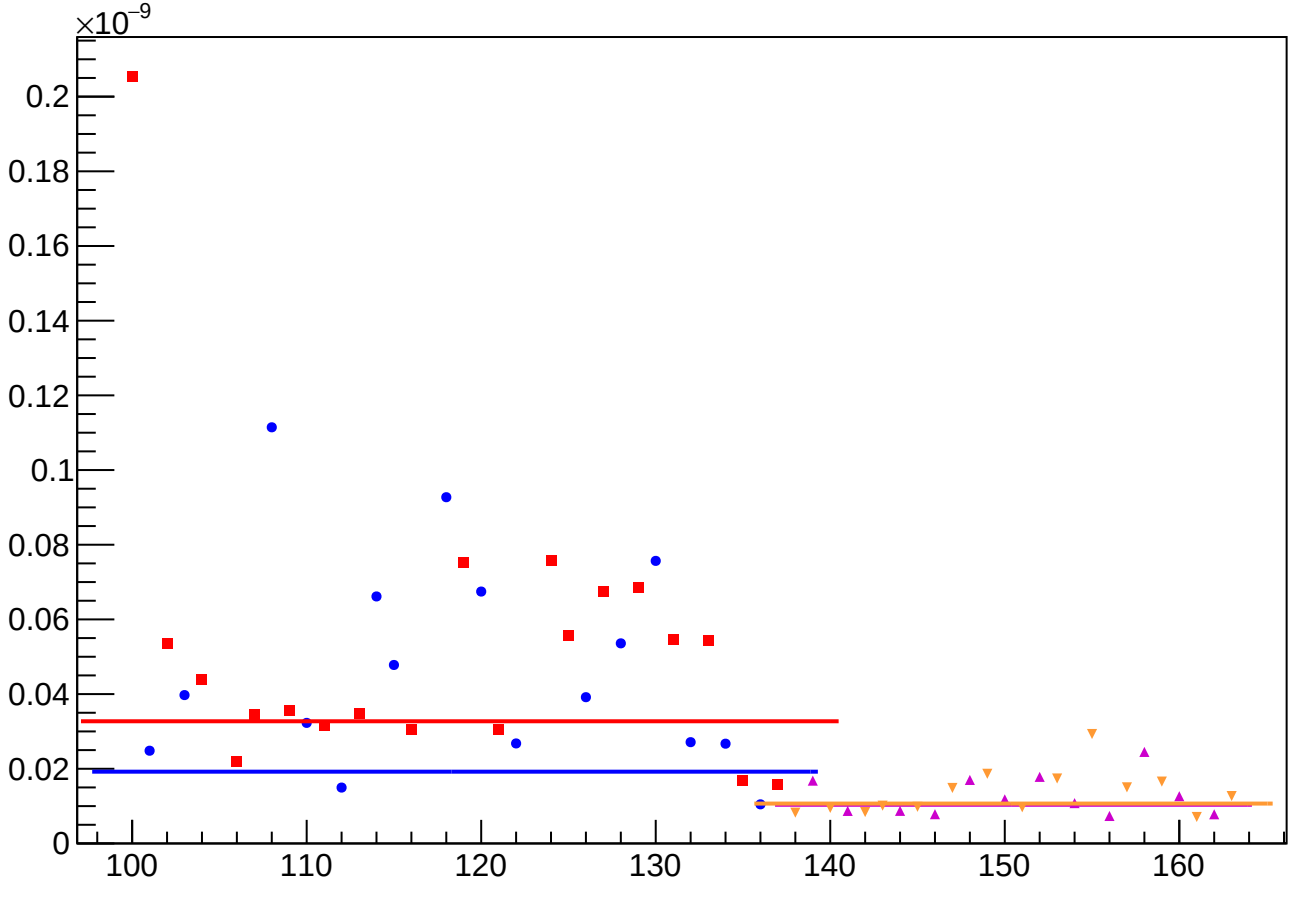
Left: 0.000+/-0.000 χ^2/NDF: 27.4/25

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:34.4/27

Out: 0.000+/-0.000 χ^2/NDF:31.6/32

All: 0.000+/-0.000 χ^2/NDF: 66.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:835997.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:762332.1/11

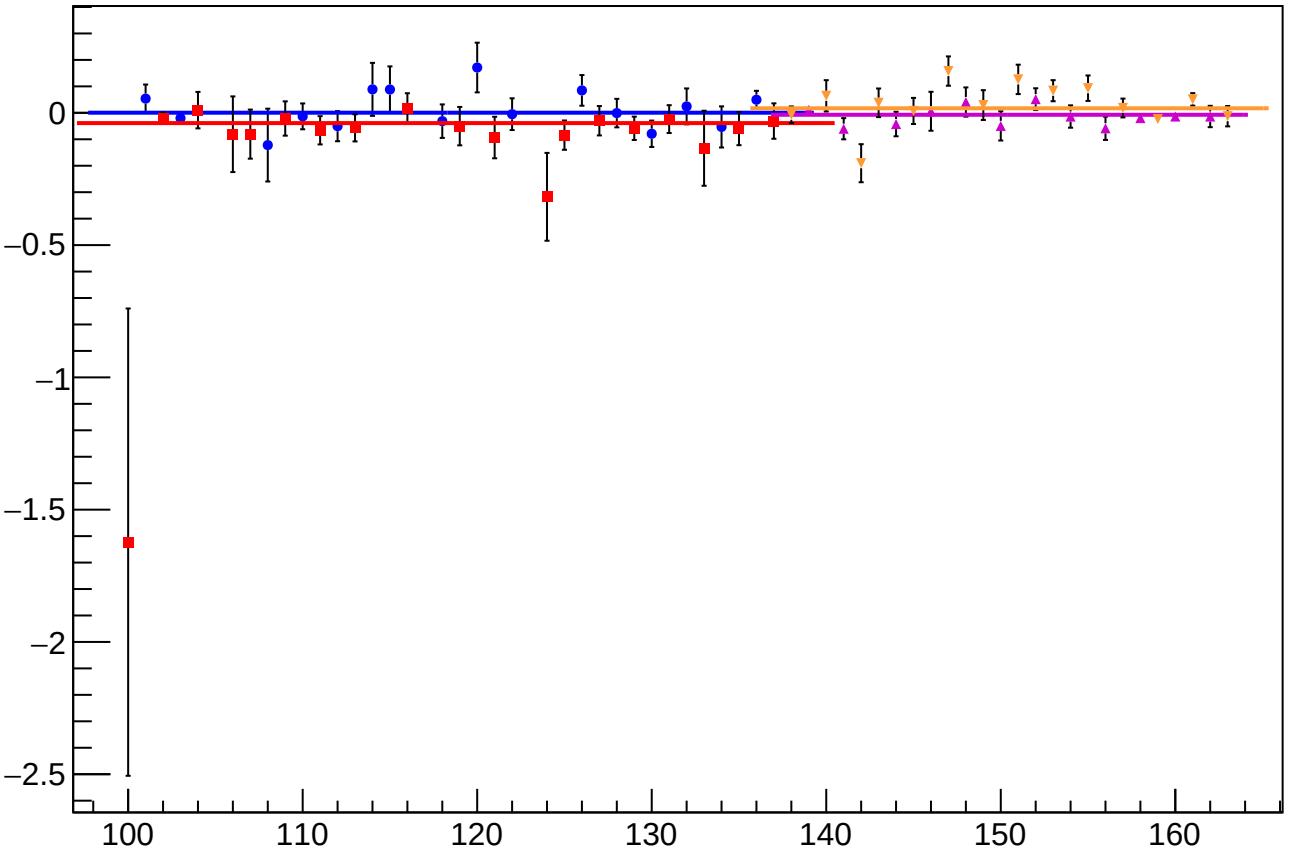
Left: 0.000+/-0.000 χ^2/NDF: 1601328.5/25

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3381042.5/27

Out: 0.000+/-0.000 χ^2/NDF:4108824.5/32

All: 0.000+/-0.000 χ^2/NDF: 7502133.5/60



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/11

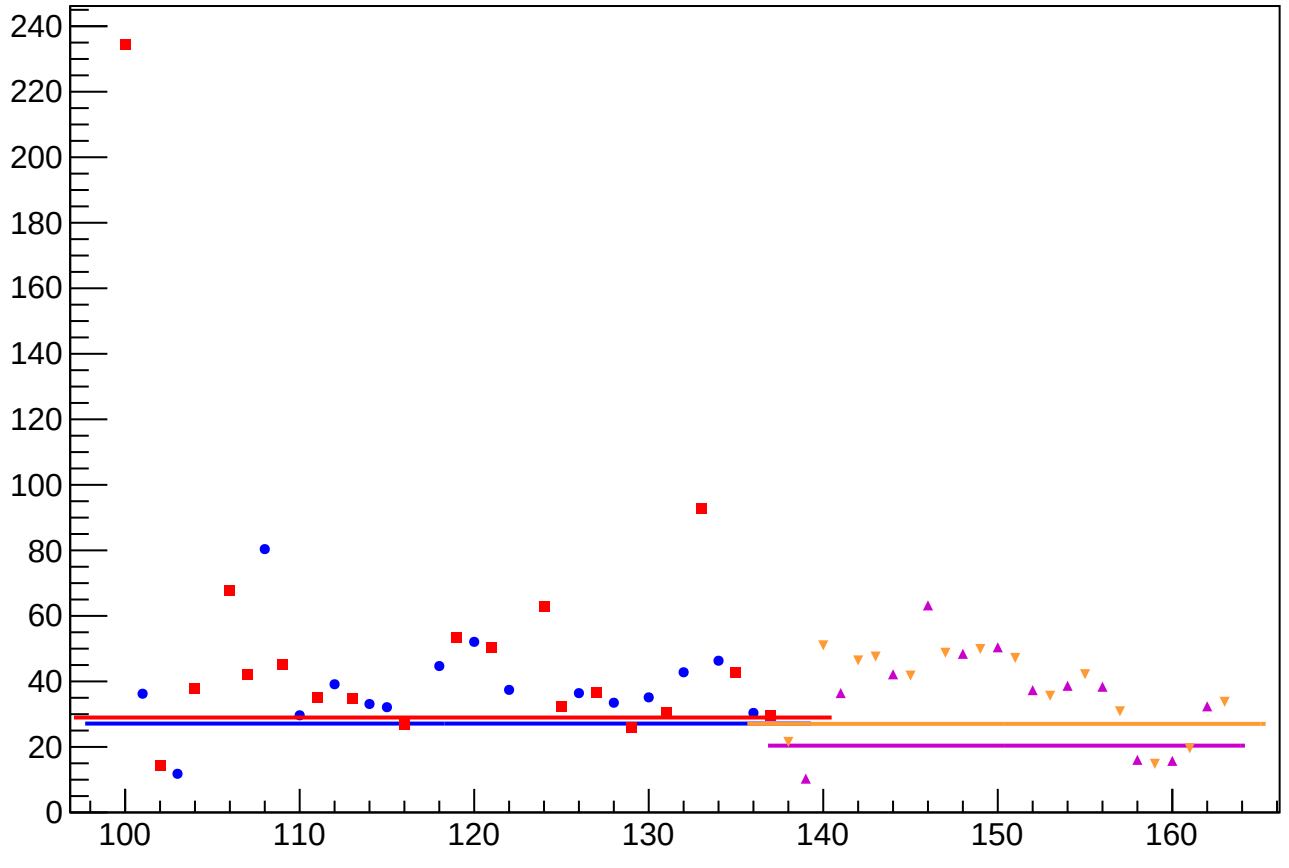
Left: 0.003+/-0.006 χ^2/NDF: 47.8/25

Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/27

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.004+/-0.005 χ^2/NDF: 84.3/60



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 27.038+/-0.007 χ^2/NDF:3571491.0/13

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.394+/-0.006 χ^2/NDF:5148282.2/11

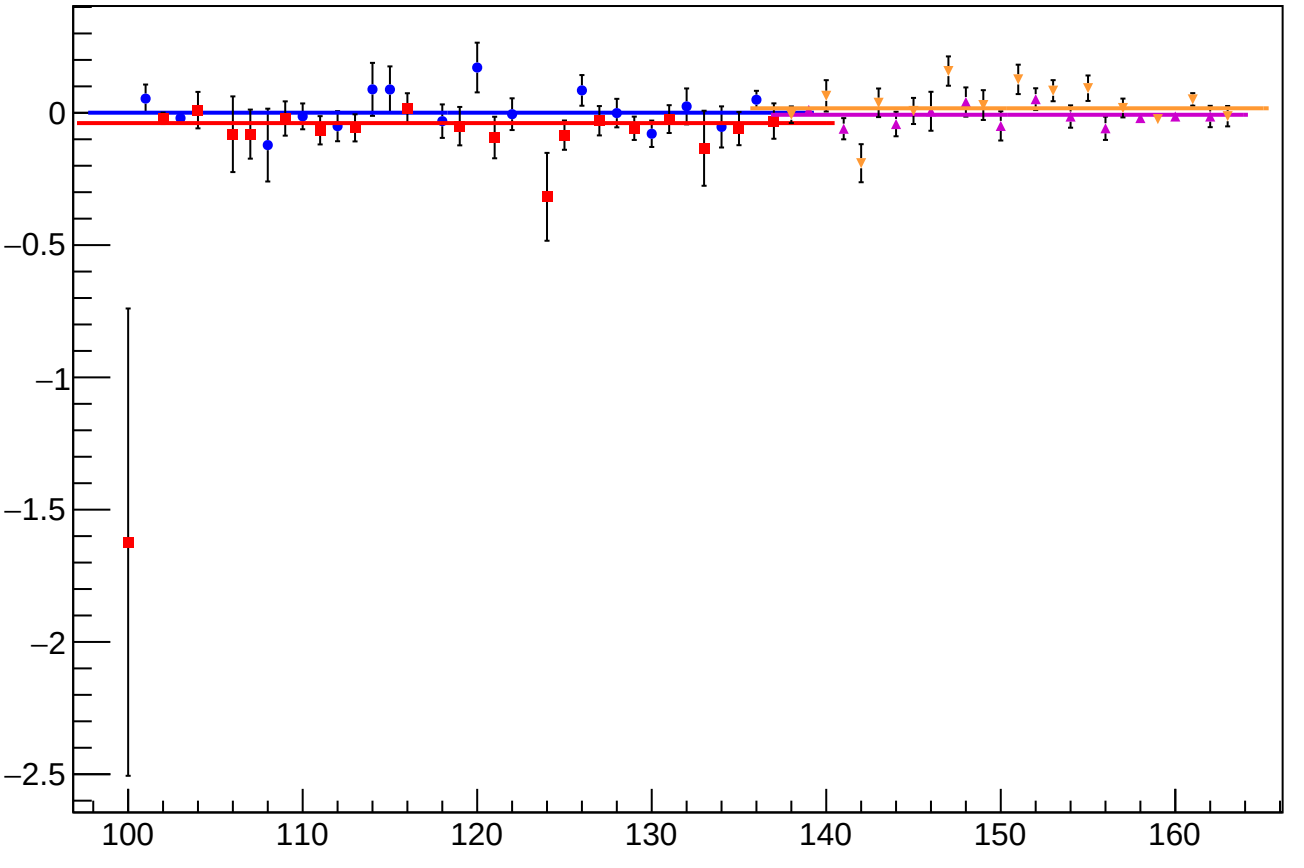
Left: 23.128+/-0.004 χ^2/NDF: 9302101.3/25

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.422+/-0.005 χ^2/NDF:8001335.4/27

Out: 27.734+/-0.005 χ^2/NDF:6058000.8/32

All: 24.719+/-0.004 χ^2/NDF: 14618911.2/60



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/11

Left: 0.003+/-0.006 χ^2/NDF: 47.8/25

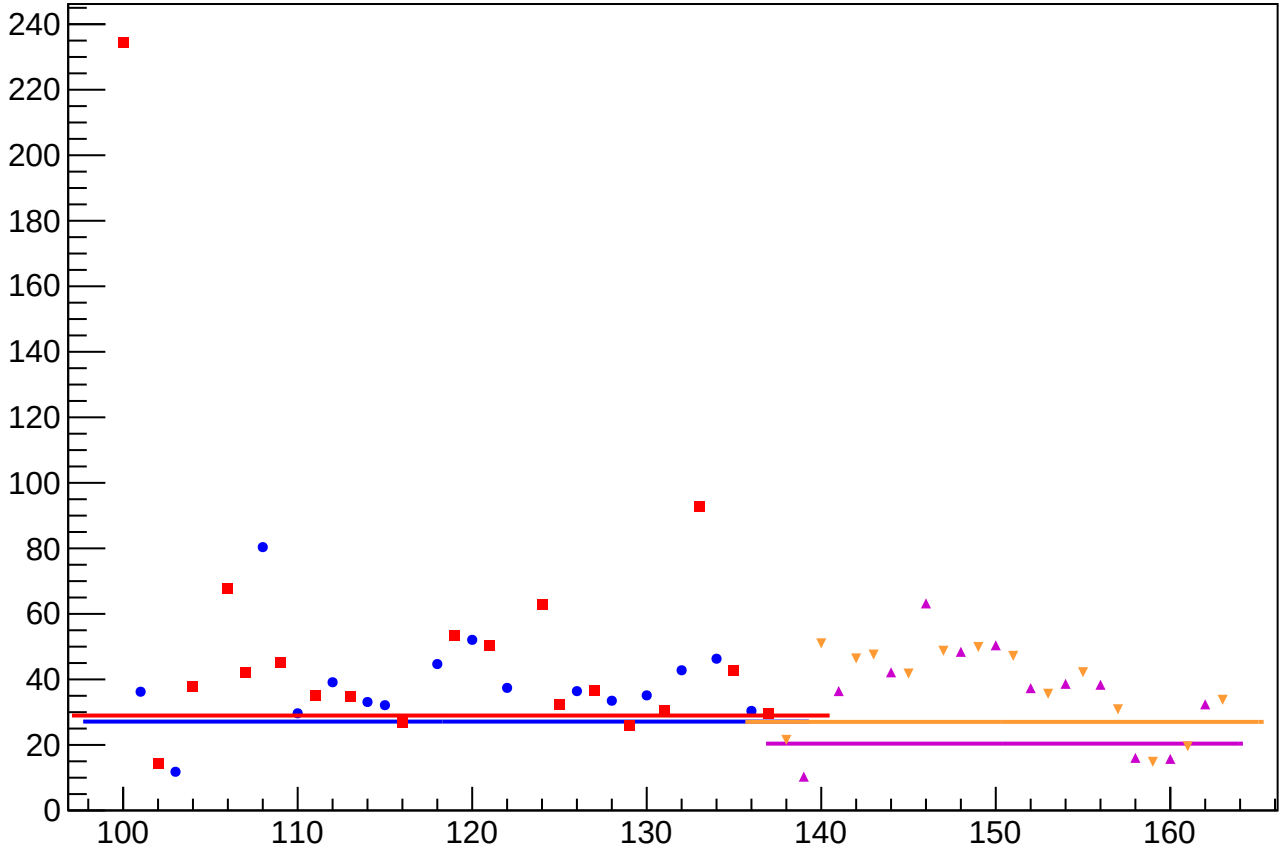
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/27

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.004+/-0.005 χ^2/NDF: 84.3/60

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: 27.038+/-0.007 χ^2/NDF:3571491.0/13

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.394+/-0.006 χ^2/NDF:5148282.2/11

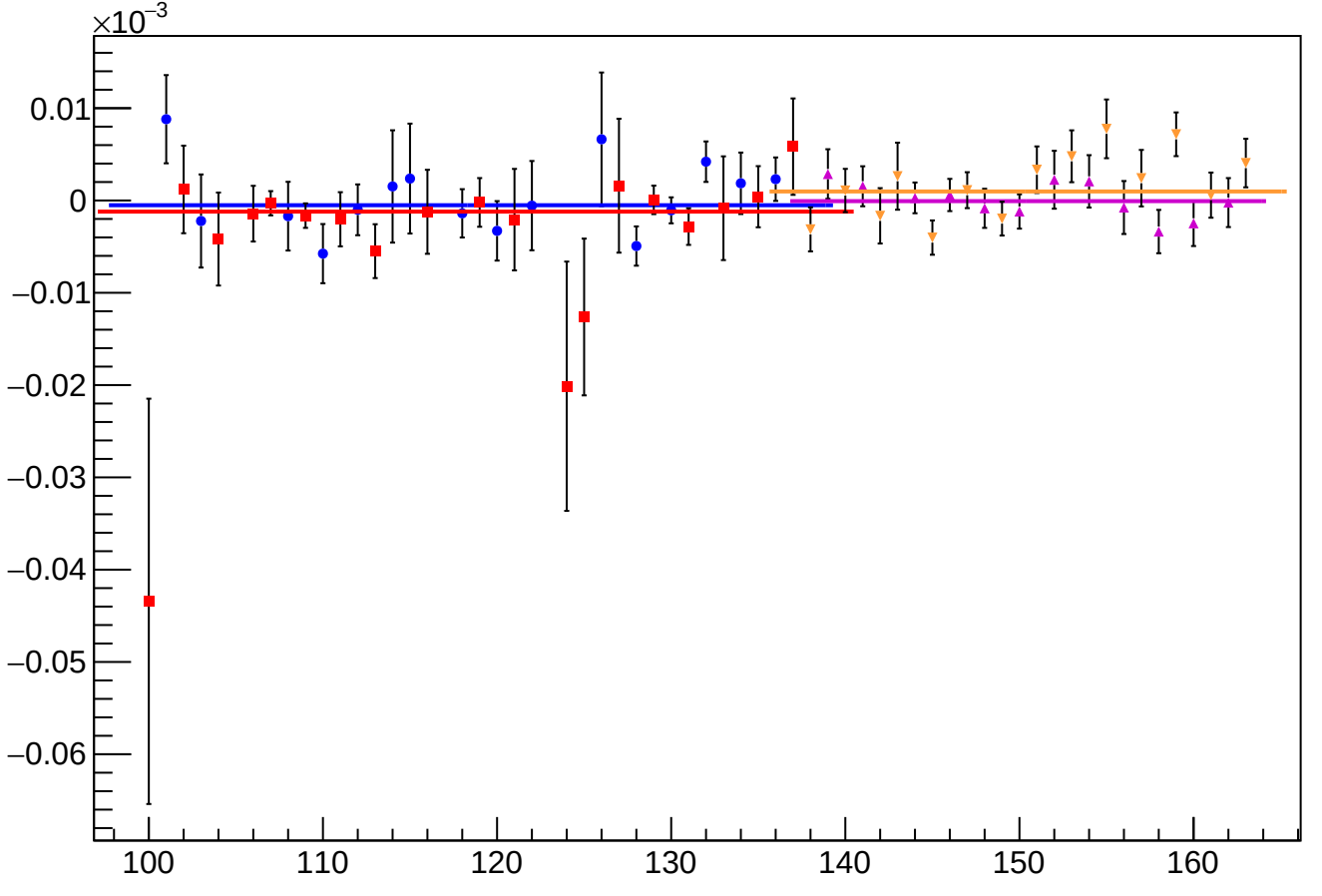
Left: 23.128+/-0.004 χ^2/NDF: 9302101.3/25

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 22.422+/-0.005 χ^2/NDF:8001335.4/27

Out: 27.734+/-0.005 χ^2/NDF:6058000.8/32

All: 24.719+/-0.004 χ^2/NDF: 14618911.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/13

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

Left In: -0.000+/-0.000 χ^2/NDF:6.5/11

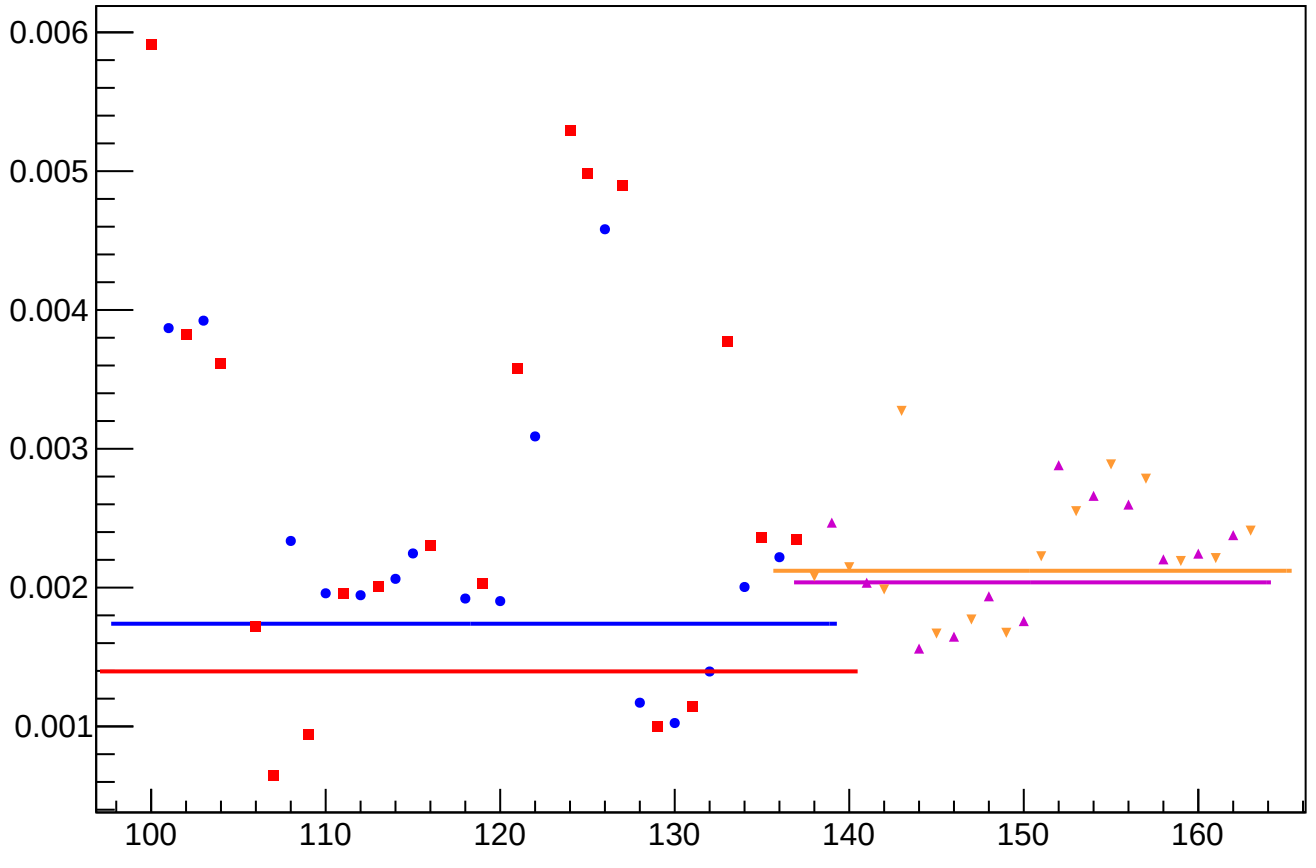
Left: 0.000+/-0.000 χ^2/NDF: 37.3/25

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/27

Out: -0.000+/-0.000 χ^2/NDF:50.1/32

All: -0.000+/-0.000 χ^2/NDF: 76.8/60



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:797190.6/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:739803.3/11

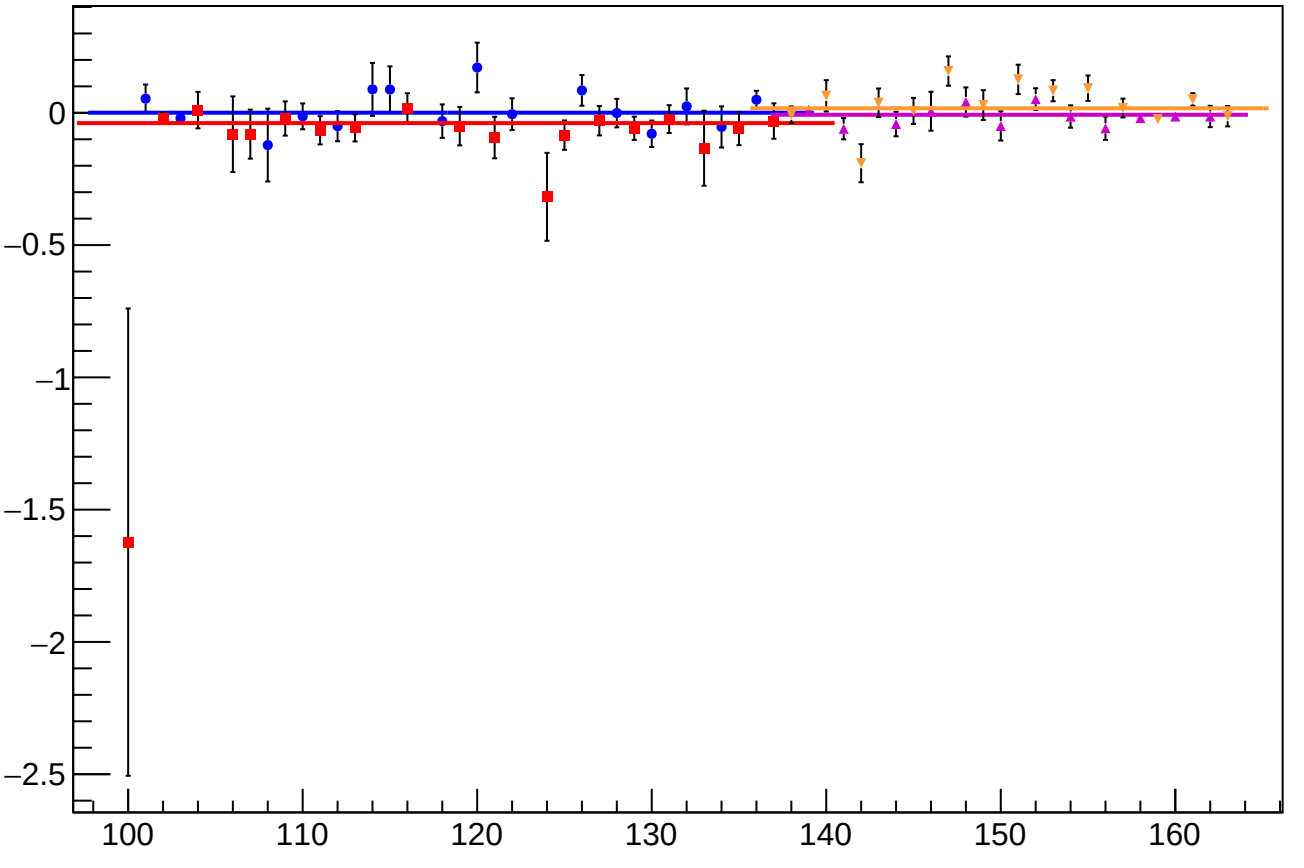
Left: 0.002+/-0.000 χ^2/NDF: 1553622.5/25

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3077042.6/27

Out: 0.002+/-0.000 χ^2/NDF:6441951.7/32

All: 0.002+/-0.000 χ^2/NDF: 9648045.1/60



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/11

Left: 0.003+/-0.006 χ^2/NDF: 47.8/25

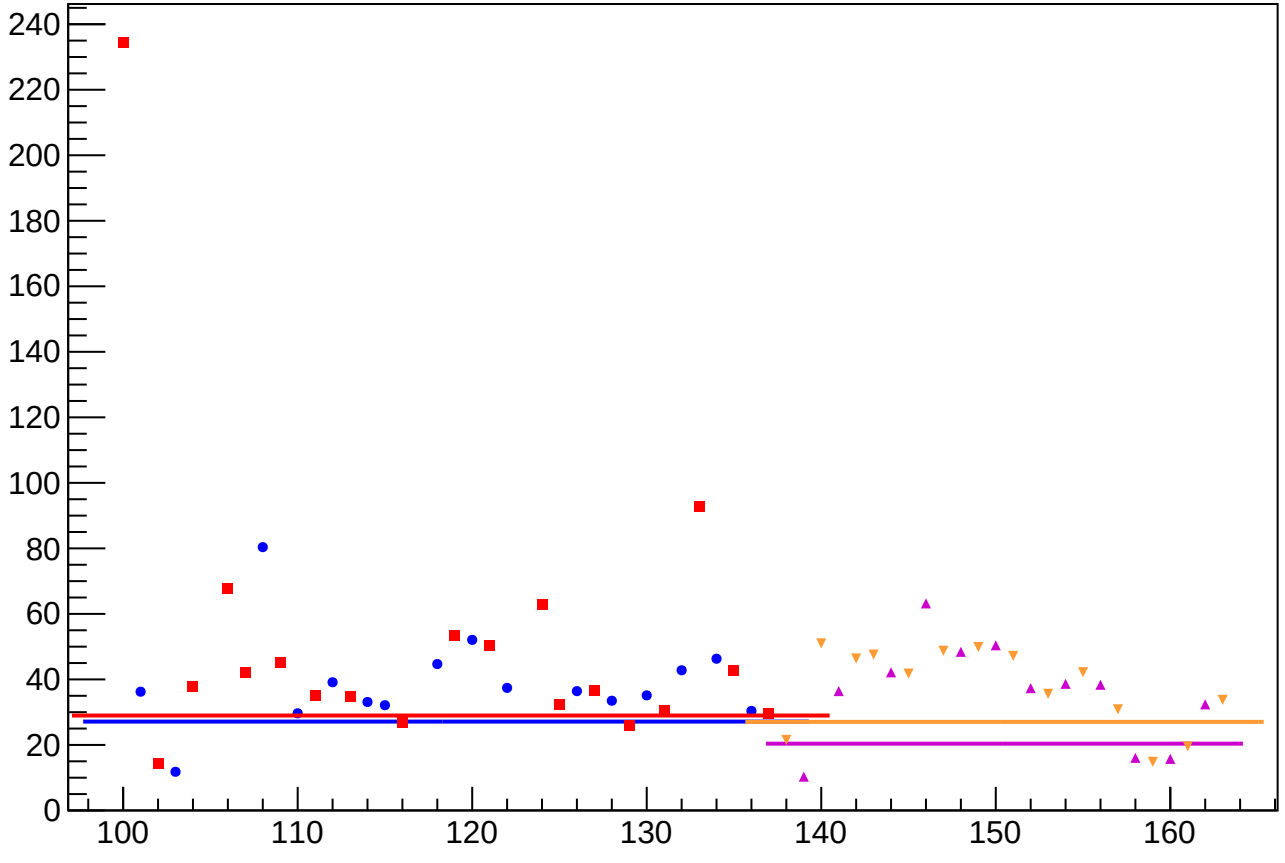
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/27

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.004+/-0.005 χ^2/NDF: 84.3/60

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.038+/-0.007 χ^2/NDF:3571923.1/13

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.393+/-0.006 χ^2/NDF:5148978.9/11

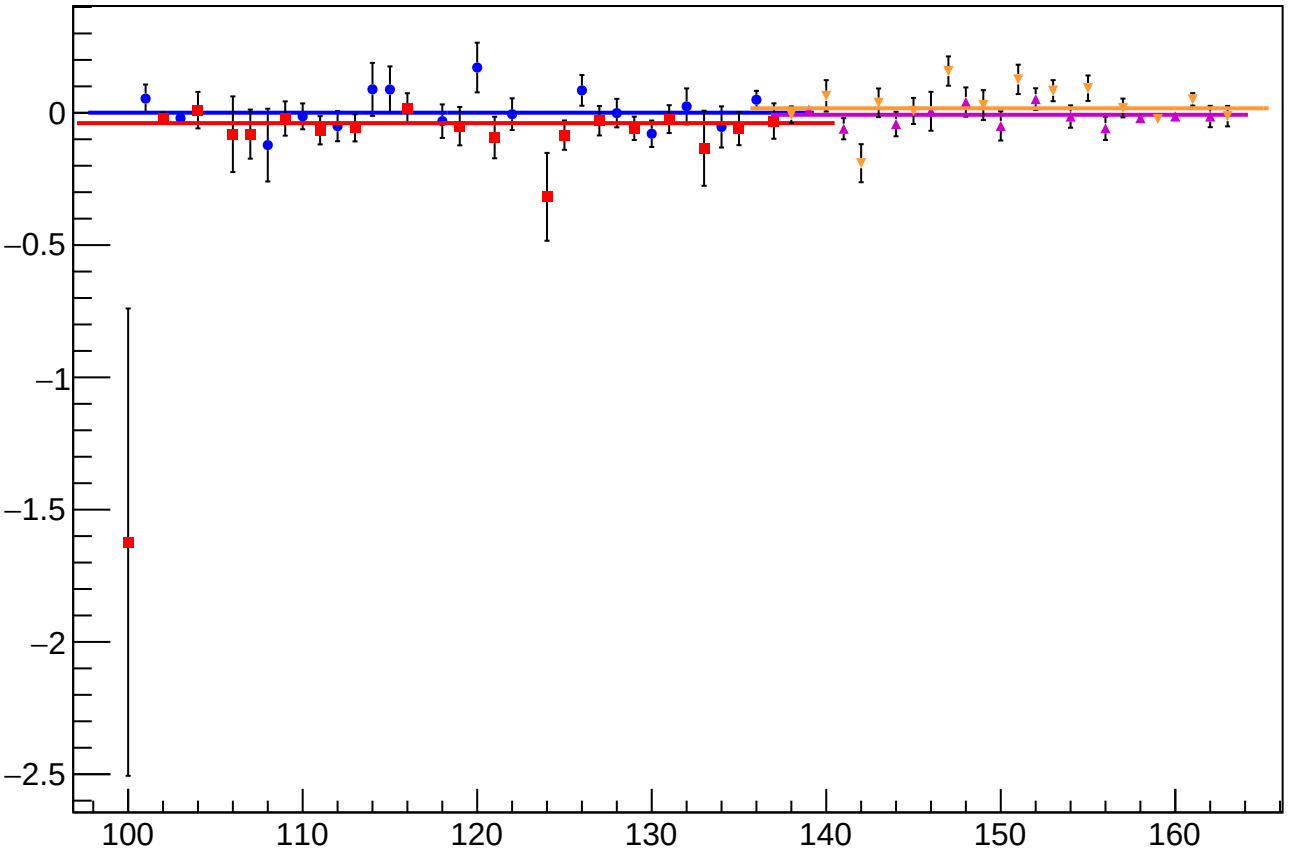
Left: 23.127+/-0.004 χ^2/NDF: 9303369.8/25

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.421+/-0.005 χ^2/NDF:8002464.4/27

Out: 27.735+/-0.005 χ^2/NDF:6057943.5/32

All: 24.718+/-0.004 χ^2/NDF: 14620349.7/60



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.017+/-0.009 χ^2/NDF:34.2/13

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.007+/-0.008 χ^2/NDF:9.6/11

Left: 0.003+/-0.006 χ^2/NDF: 47.8/25

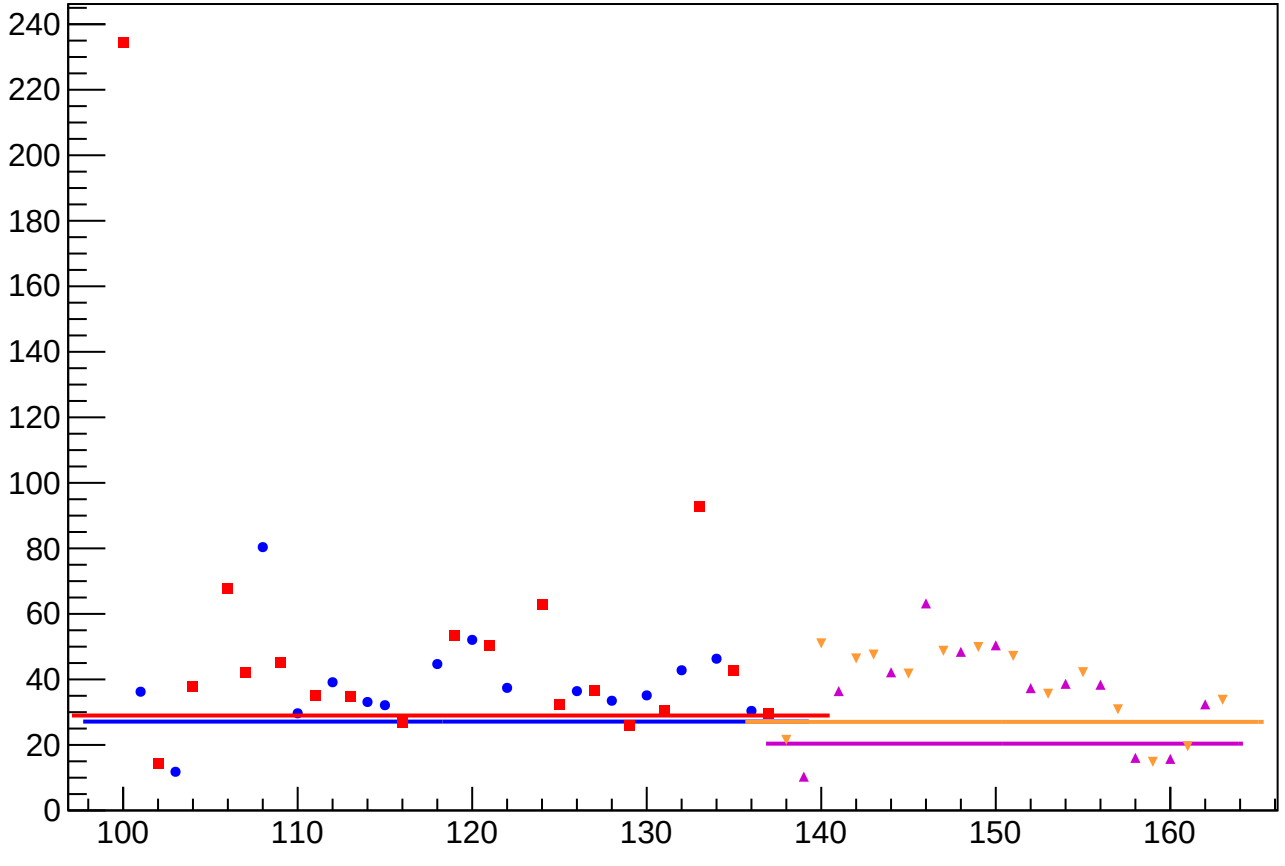
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.005+/-0.007 χ^2/NDF:26.4/27

Out: -0.003+/-0.008 χ^2/NDF:57.8/32

All: -0.004+/-0.005 χ^2/NDF: 84.3/60

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 27.038+/-0.007 χ^2/NDF:3571923.1/13

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.393+/-0.006 χ^2/NDF:5148978.9/11

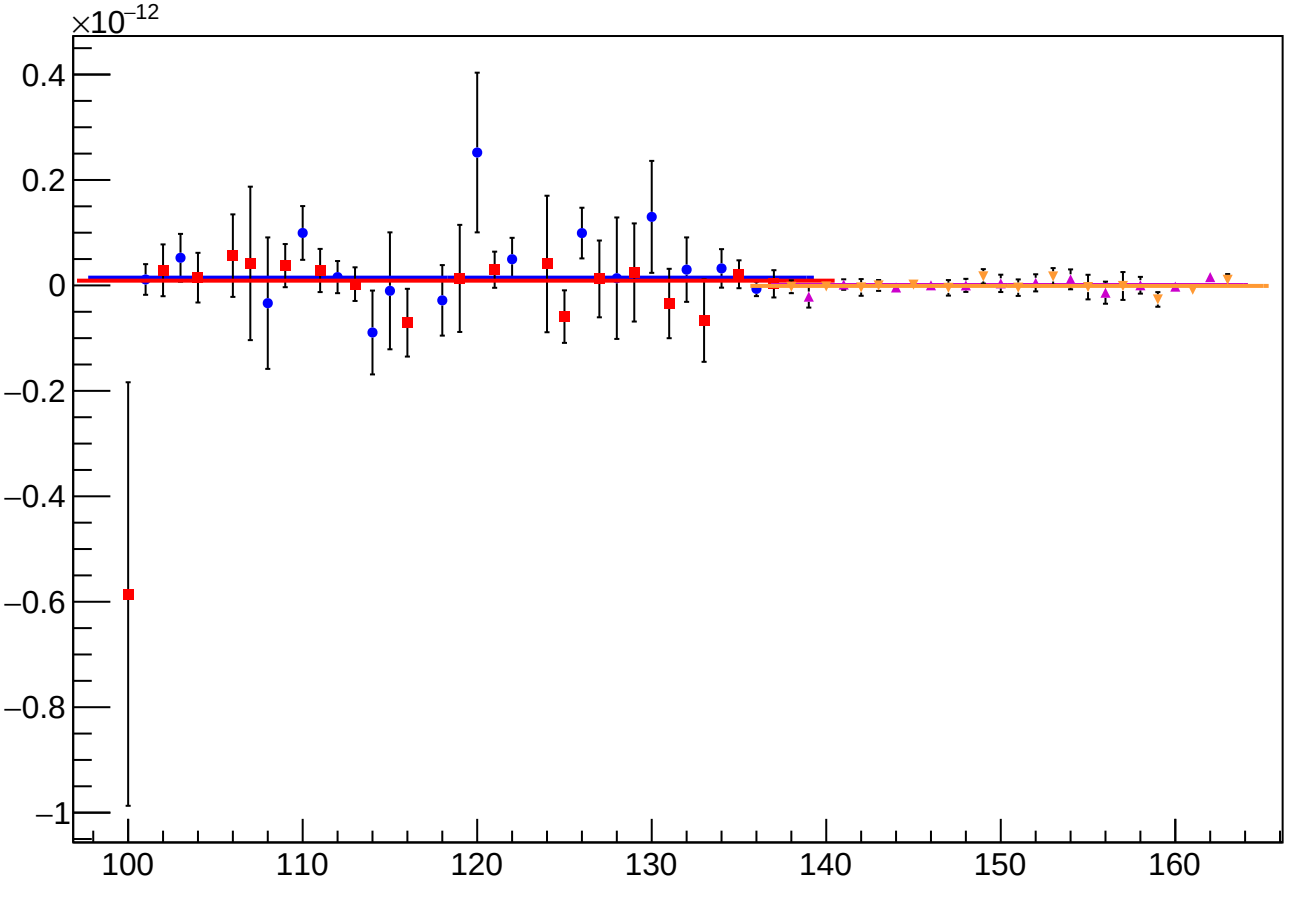
Left: 23.127+/-0.004 χ^2/NDF: 9303369.8/25

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 22.421+/-0.005 χ^2/NDF:8002464.4/27

Out: 27.735+/-0.005 χ^2/NDF:6057943.5/32

All: 24.718+/-0.004 χ^2/NDF: 14620349.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.3/11

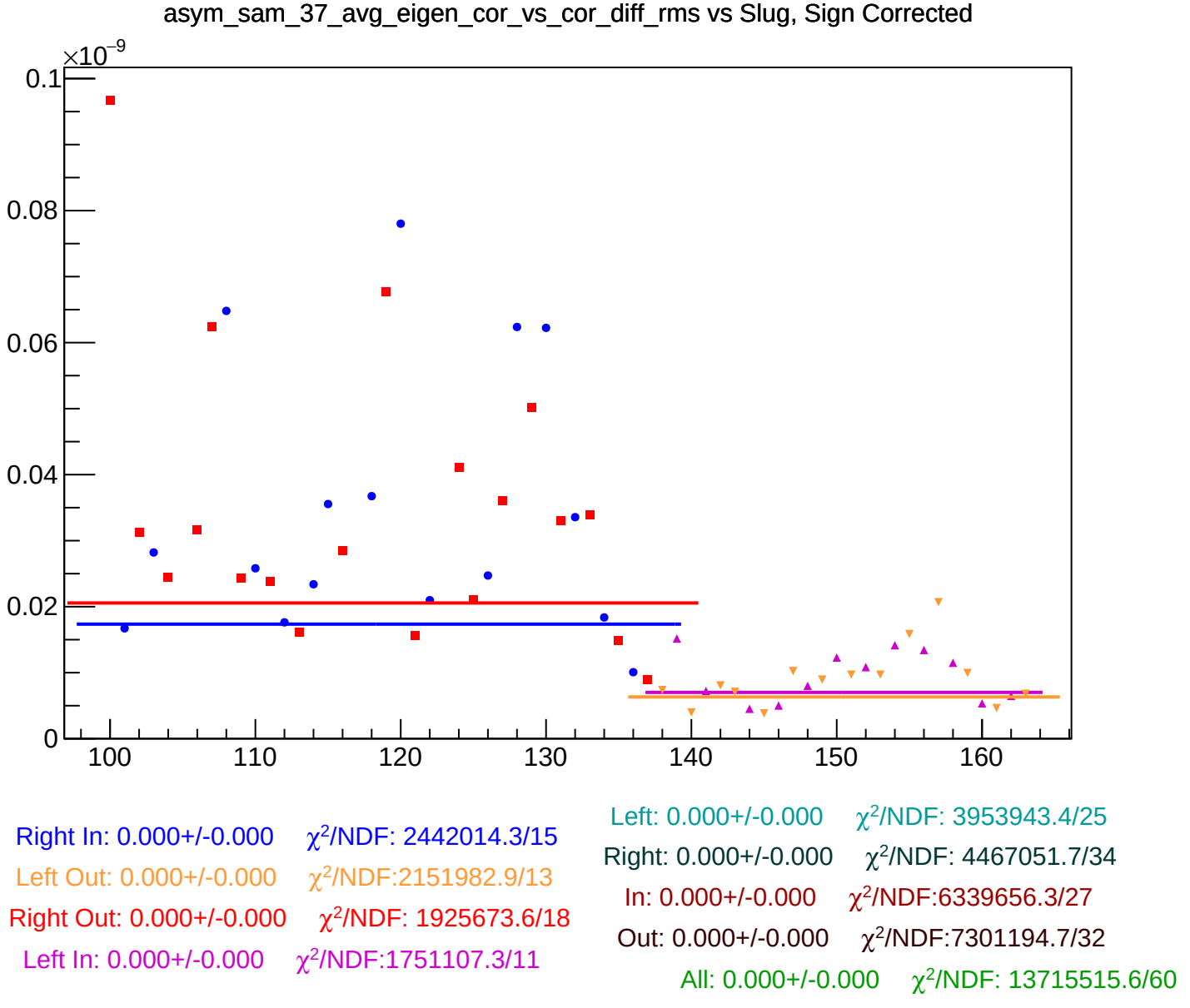
Left: -0.000+/-0.000 χ^2/NDF: 14.2/25

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

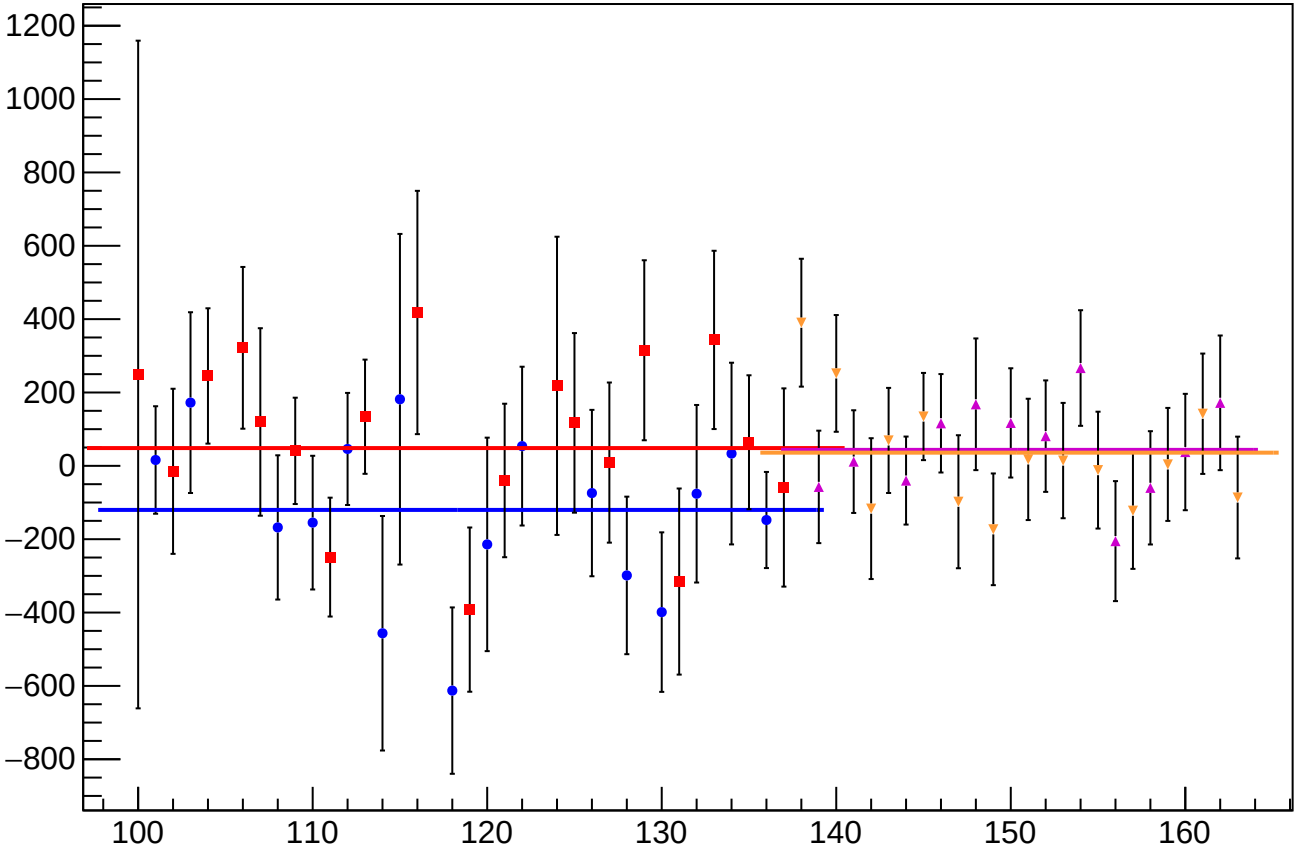
In: 0.000+/-0.000 χ^2/NDF:23.2/27

Out: -0.000+/-0.000 χ^2/NDF:18.6/32

All: 0.000+/-0.000 χ^2/NDF: 42.2/60


asym_sam_37_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
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2151982.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:1751107.3/11
Left: 0.000+/-0.000 χ²/NDF: 3953943.4/25
Right: 0.000+/-0.000 χ²/NDF: 4467051.7/34
In: 0.000+/-0.000 χ²/NDF:6339656.3/27
Out: 0.000+/-0.000 χ²/NDF:7301194.7/32
All: 0.000+/-0.000 χ²/NDF: 13715515.6/60

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 35.952+/-42.099 χ^2/NDF:11.9/13

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 43.546+/-43.566 χ^2/NDF:7.3/11

Left: 39.619+/-30.274 χ^2/NDF: 19.2/25

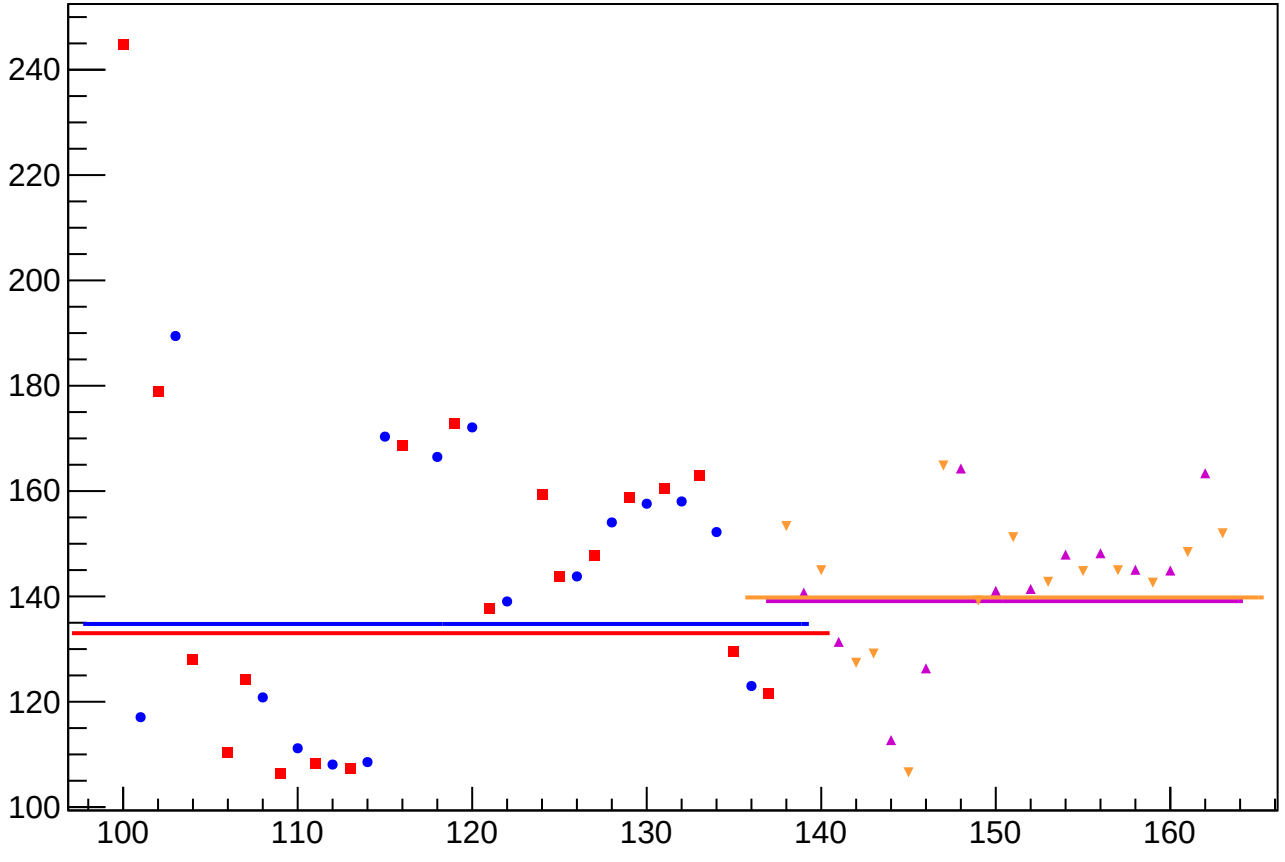
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -25.355+/-33.153 χ^2/NDF:26.7/27

Out: 41.147+/-32.180 χ^2/NDF:28.9/32

All: 8.887+/-23.091 χ^2/NDF: 57.7/60

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.106+/-0.031 χ^2/NDF:214376.8/11

Left: 139.467+/-0.021 χ^2/NDF: 473749.0/25

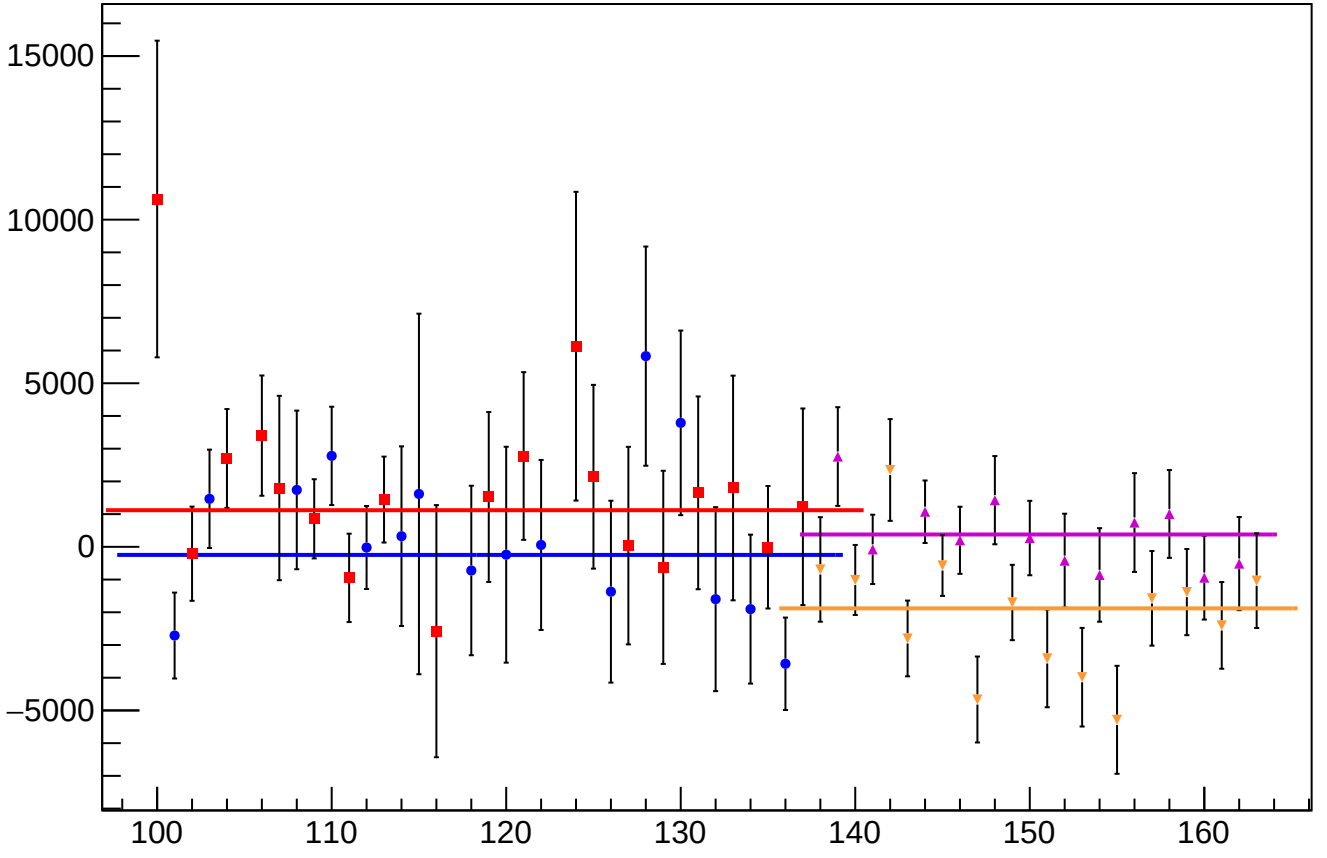
Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.282+/-0.023 χ^2/NDF:639490.0/27

Out: 136.983+/-0.023 χ^2/NDF:776416.7/32

All: 137.128+/-0.016 χ^2/NDF: 1415990.1/60

asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1880.102+/-347.598 χ^2/NDF:23.7/13

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 377.683+/-358.670 χ^2/NDF:6.6/11

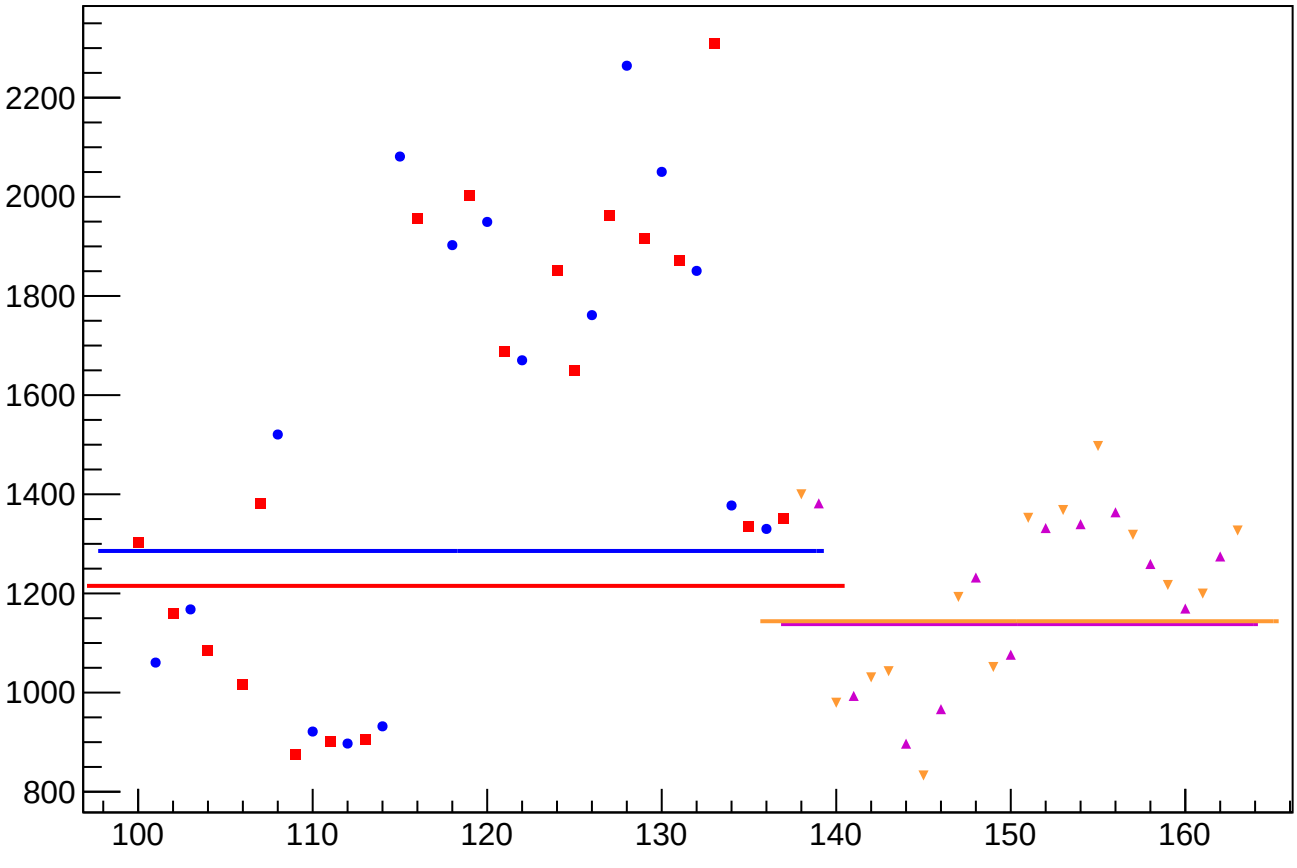
Left: -786.597+/-249.611 χ^2/NDF: 50.8/25

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 166.455+/-291.719 χ^2/NDF:29.3/27

Out: -814.874+/-279.133 χ^2/NDF:63.5/32

All: -345.835+/-201.680 χ^2/NDF: 98.7/60



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1143.926+/-0.246 χ^2/NDF:609979.7/13

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1138.112+/-0.254 χ^2/NDF:445486.4/11

Left: 1141.110+/-0.177 χ^2/NDF: 1055737.1/25

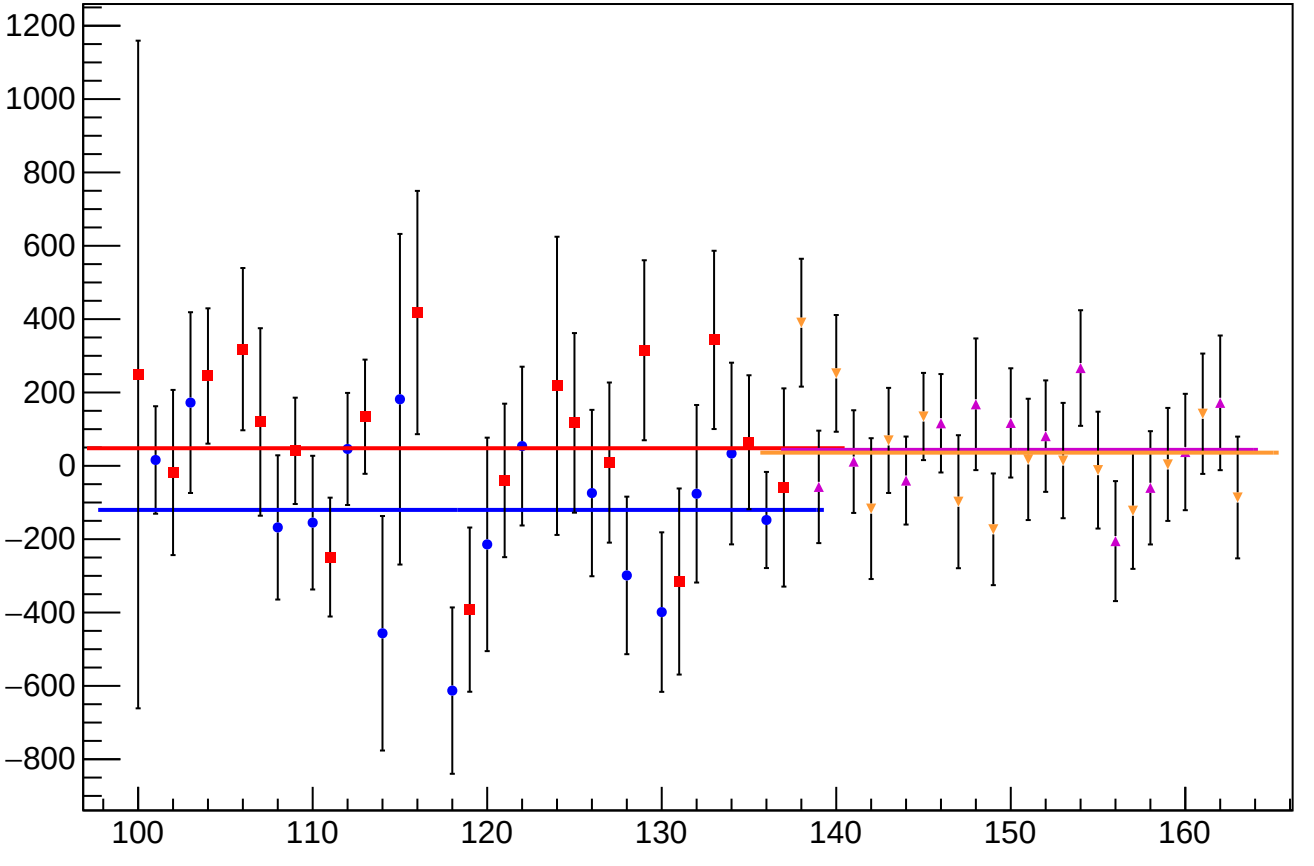
Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1188.057+/-0.206 χ^2/NDF:1730500.2/27

Out: 1169.251+/-0.197 χ^2/NDF:2026164.2/32

All: 1178.239+/-0.143 χ^2/NDF: 3761003.6/60

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 35.958+/-42.099 χ^2/NDF:11.9/13

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 43.548+/-43.566 χ^2/NDF:7.3/11

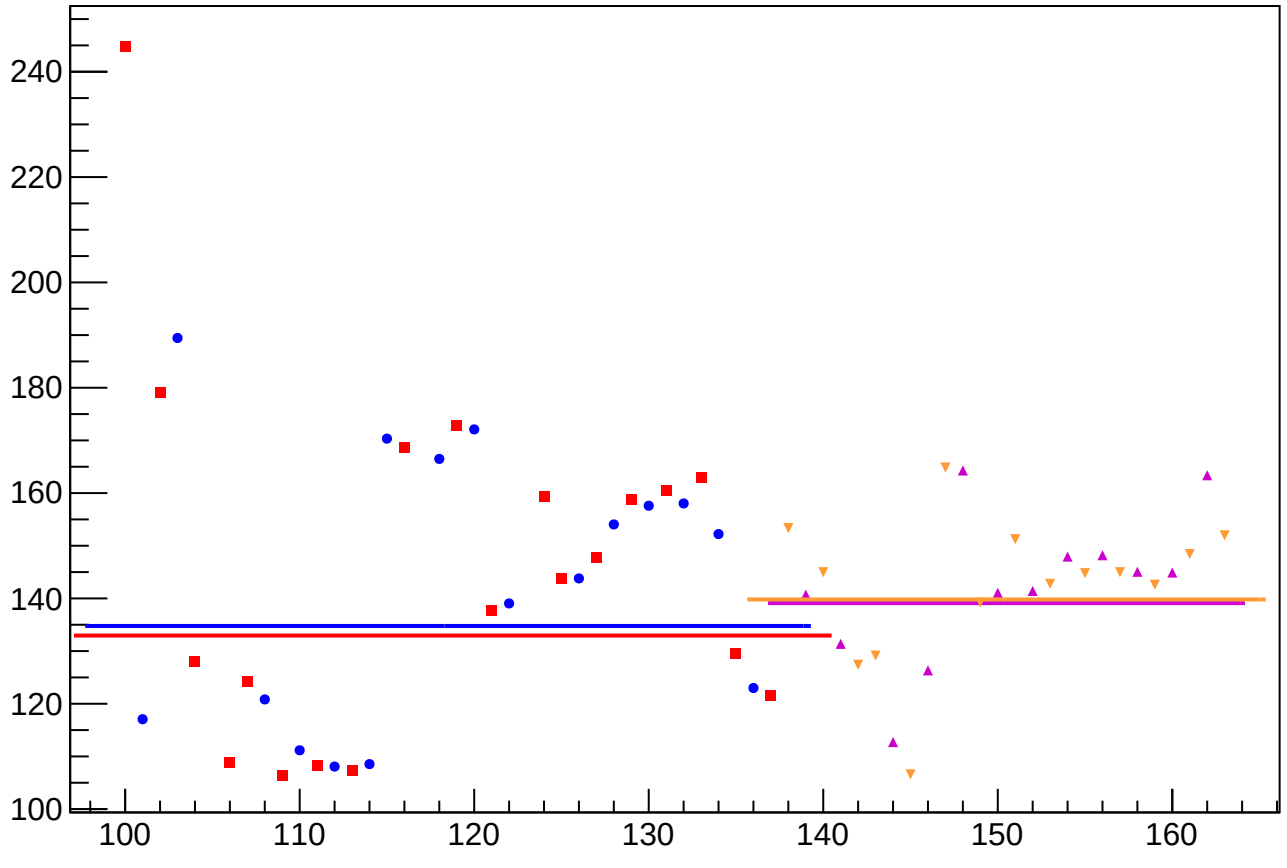
Left: 39.623+/-30.274 χ^2/NDF: 19.2/25

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -25.358+/-33.153 χ^2/NDF:26.7/27

Out: 40.968+/-32.182 χ^2/NDF:28.9/32

All: 8.791+/-23.092 χ^2/NDF: 57.6/60



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.106+/-0.031 χ^2/NDF:214376.8/11

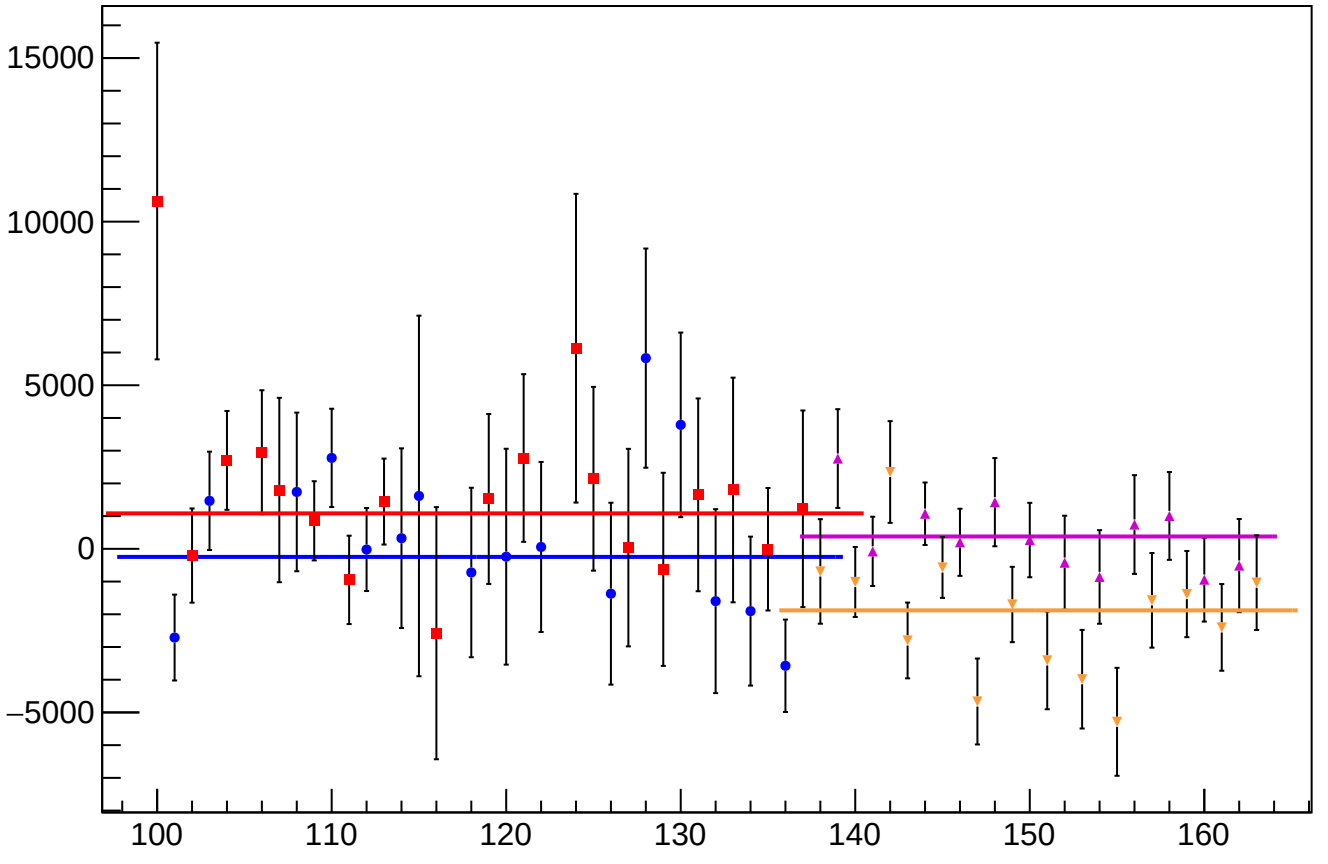
Left: 139.467+/-0.021 χ^2/NDF: 473749.0/25

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.282+/-0.023 χ^2/NDF:639493.0/27

Out: 136.954+/-0.023 χ^2/NDF:780008.8/32

All: 137.113+/-0.016 χ^2/NDF: 1419602.4/60



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1880.095+/-347.597 χ^2/NDF:23.7/13

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 377.689+/-358.670 χ^2/NDF:6.6/11

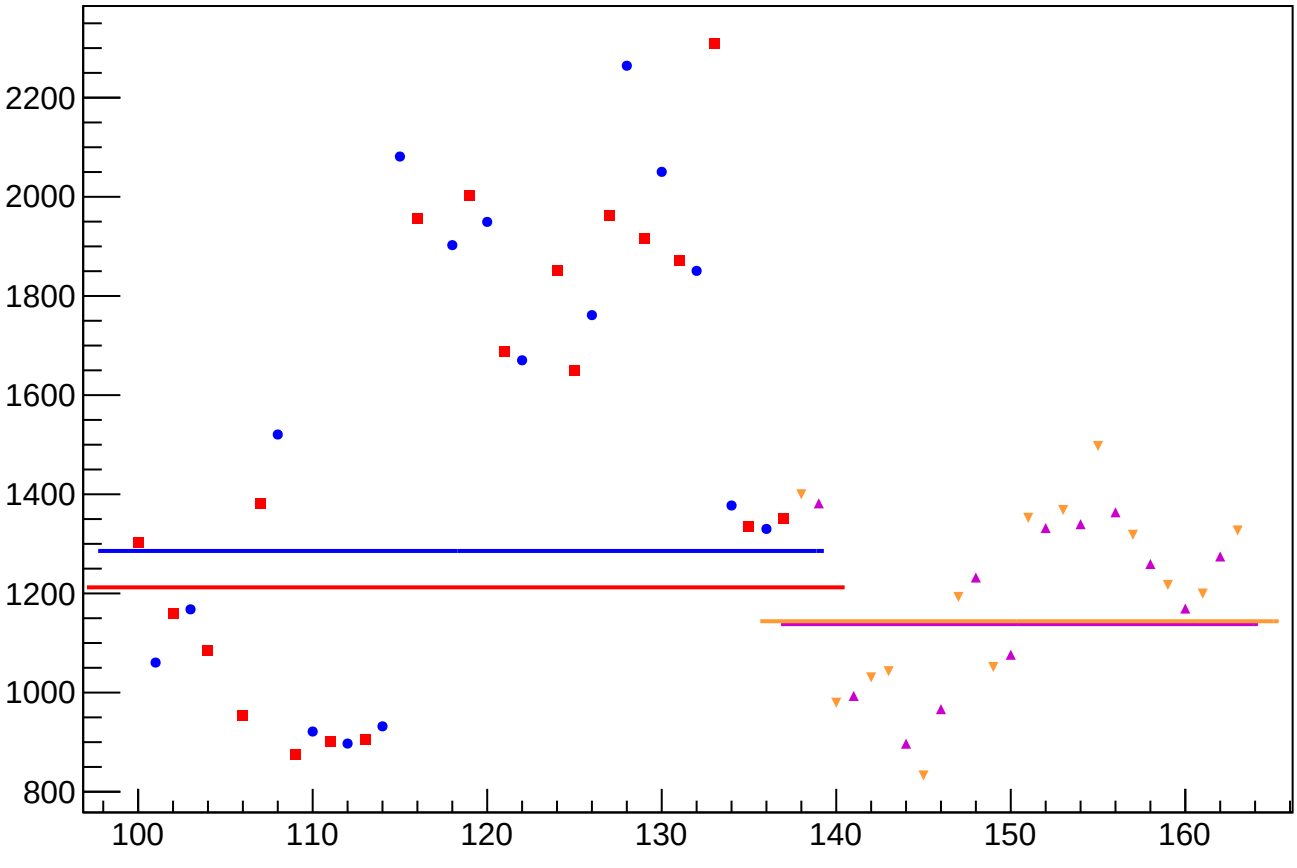
Left: -786.591+/-249.611 χ^2/NDF: 50.8/25

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 166.438+/-291.720 χ^2/NDF:29.3/27

Out: -830.088+/-279.329 χ^2/NDF:62.2/32

All: -353.439+/-201.754 χ^2/NDF: 97.6/60



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1143.925+/-0.246 χ^2/NDF:609981.5/13

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1138.112+/-0.254 χ^2/NDF:445484.2/11

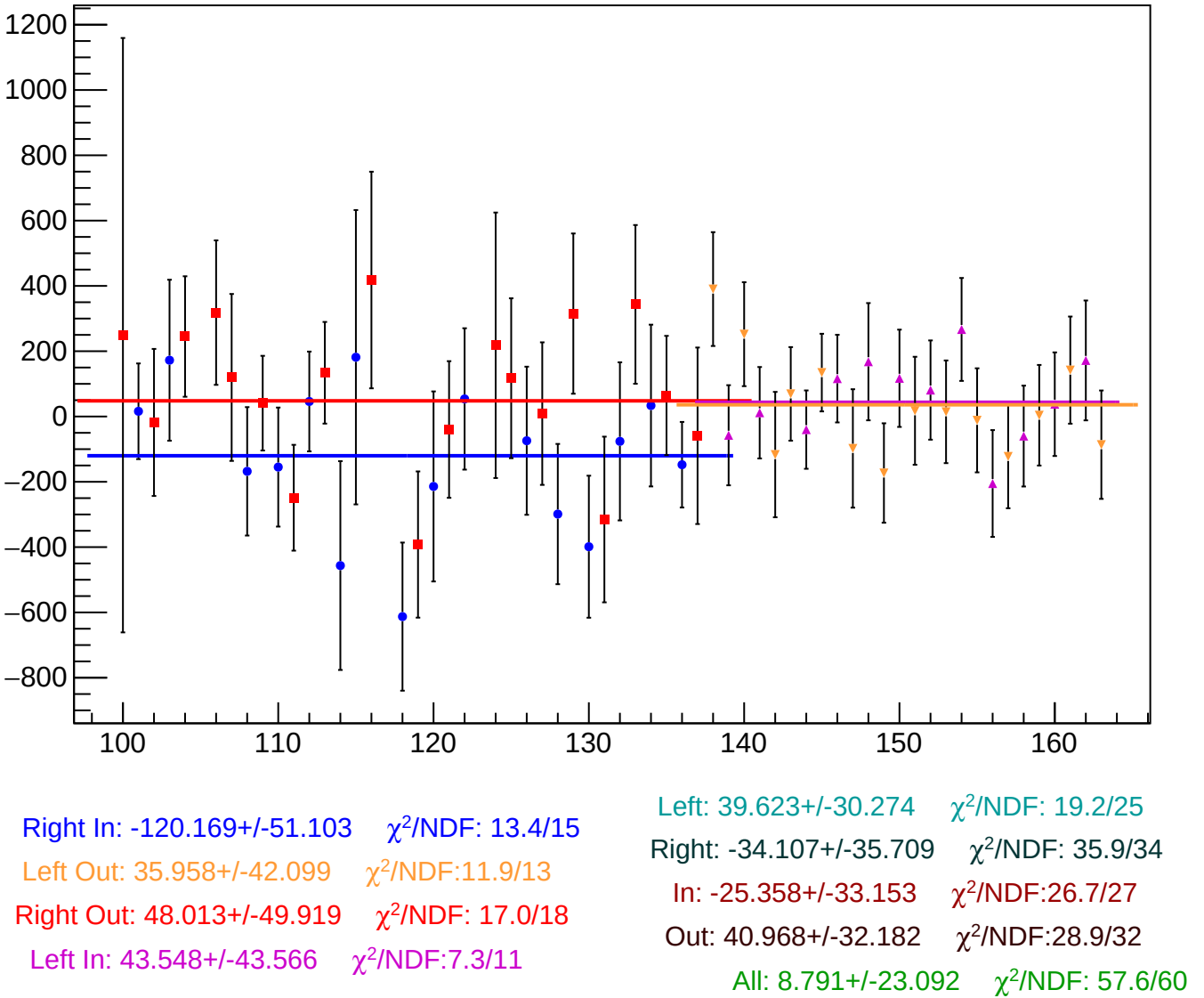
Left: 1141.110+/-0.177 χ^2/NDF: 1055736.6/25

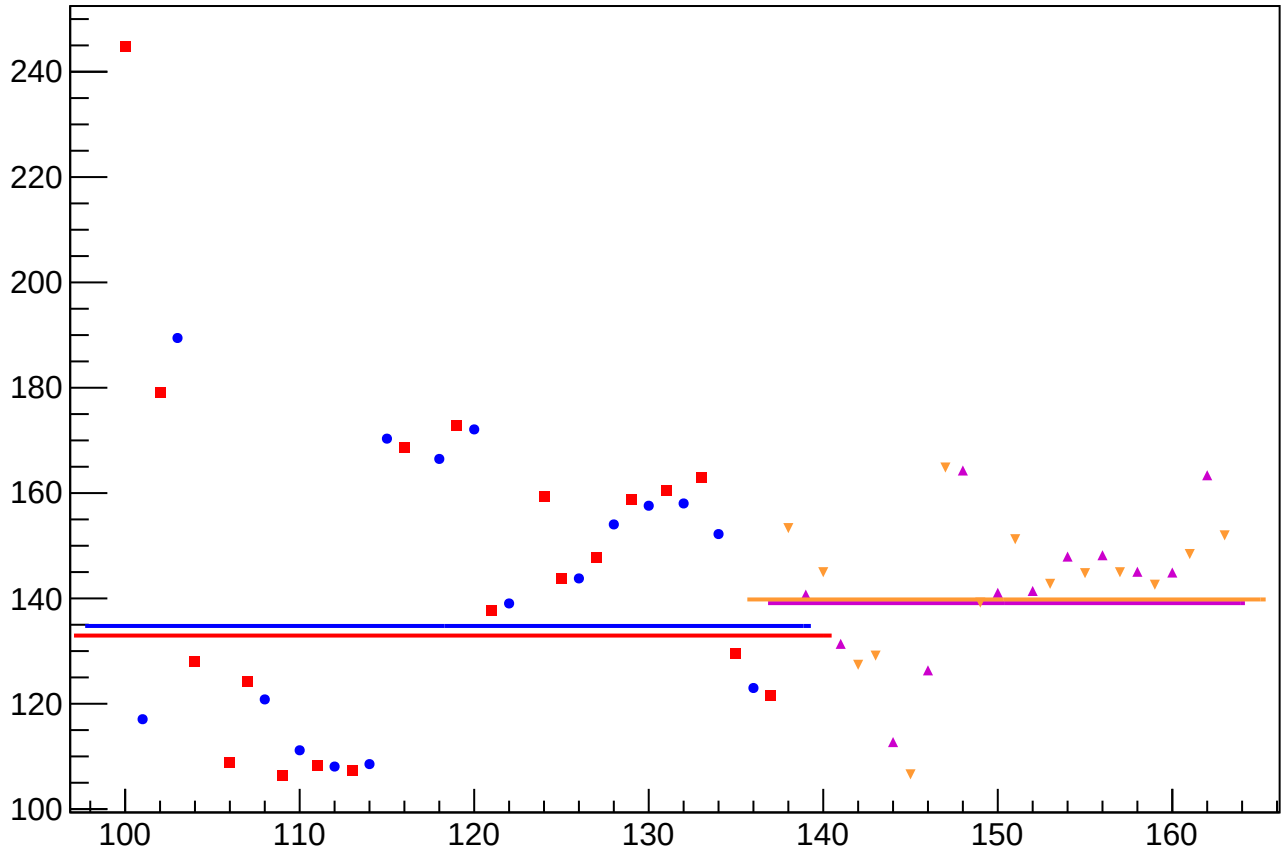
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1188.061+/-0.206 χ^2/NDF:1730492.3/27

Out: 1168.137+/-0.198 χ^2/NDF:2038010.2/32

All: 1177.667+/-0.143 χ^2/NDF: 3773369.6/60


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 35.958+/-42.099 χ²/NDF:11.9/13
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 43.548+/-43.566 χ²/NDF:7.3/11
Left: 39.623+/-30.274 χ²/NDF: 19.2/25
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -25.358+/-33.153 χ²/NDF:26.7/27
Out: 40.968+/-32.182 χ²/NDF:28.9/32
All: 8.791+/-23.092 χ²/NDF: 57.6/60



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.804+/-0.030 χ^2/NDF:259107.1/13

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.106+/-0.031 χ^2/NDF:214376.8/11

Left: 139.467+/-0.021 χ^2/NDF: 473749.0/25

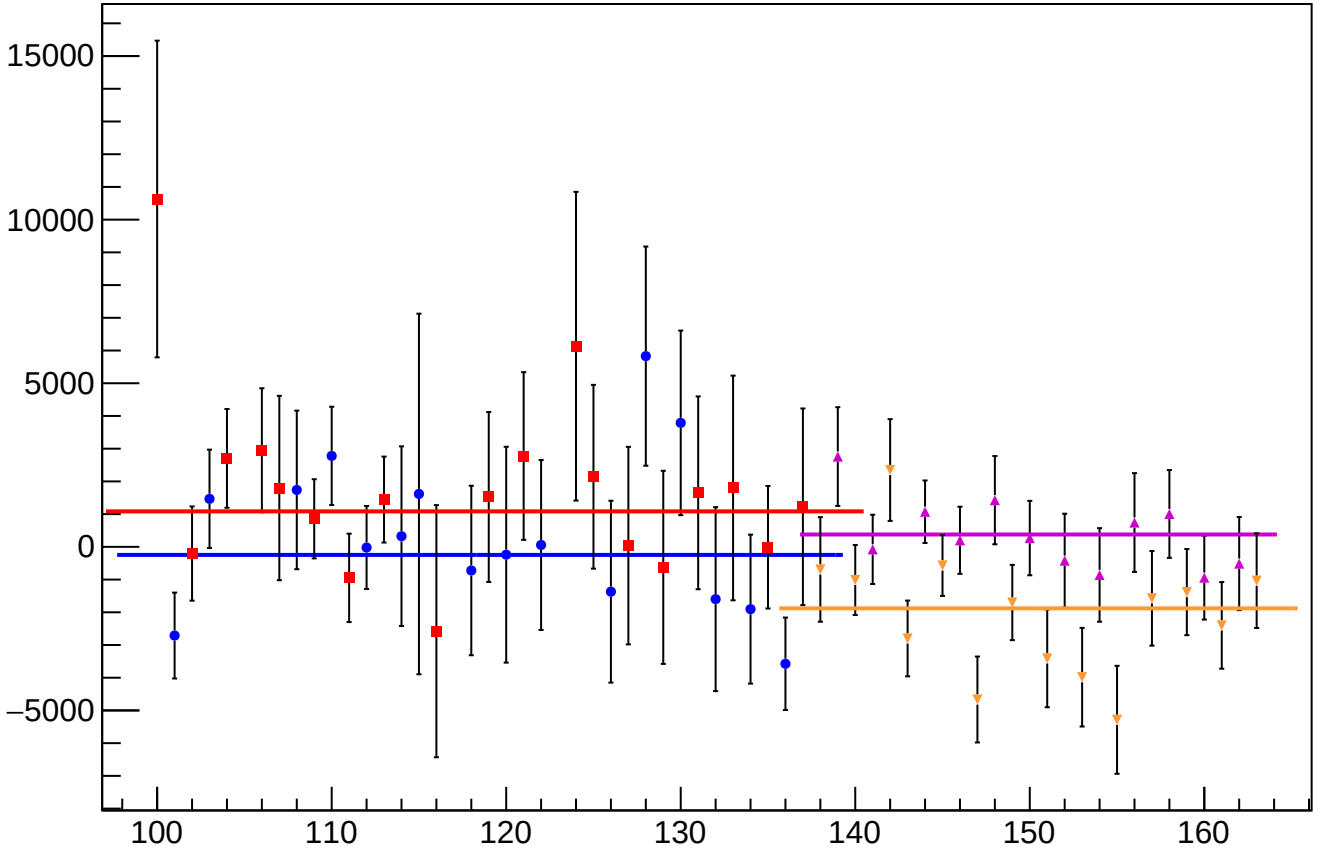
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.282+/-0.023 χ^2/NDF:639493.0/27

Out: 136.954+/-0.023 χ^2/NDF:780008.8/32

All: 137.113+/-0.016 χ^2/NDF: 1419602.4/60

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: -1880.095+/-347.597 χ^2/NDF:23.7/13

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 377.689+/-358.670 χ^2/NDF:6.6/11

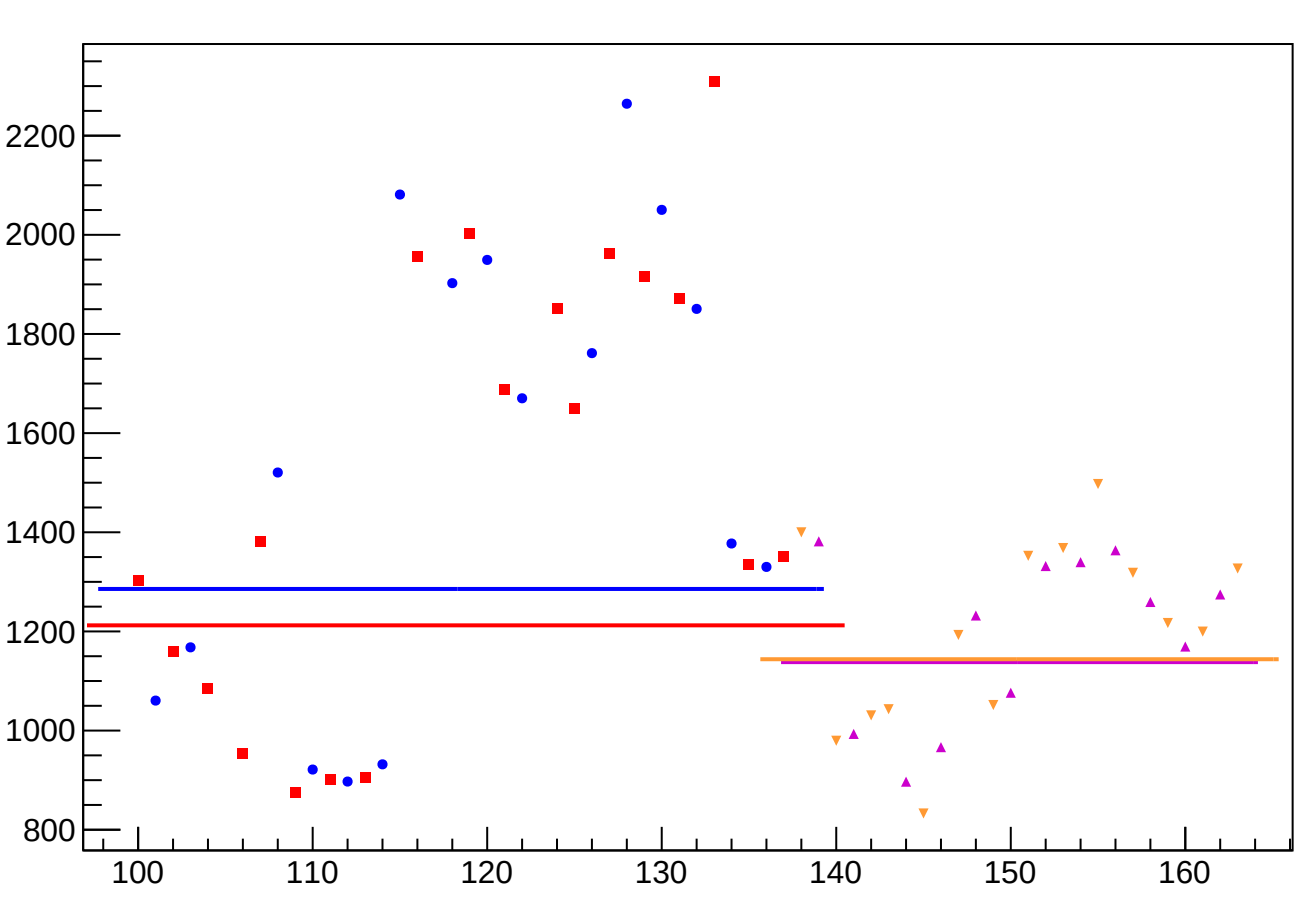
Left: -786.591+/-249.611 χ^2/NDF: 50.8/25

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 166.438+/-291.720 χ^2/NDF:29.3/27

Out: -830.088+/-279.329 χ^2/NDF:62.2/32

All: -353.439+/-201.754 χ^2/NDF: 97.6/60



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1143.925+/-0.246 χ^2/NDF:609981.5/13

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1138.112+/-0.254 χ^2/NDF:445484.2/11

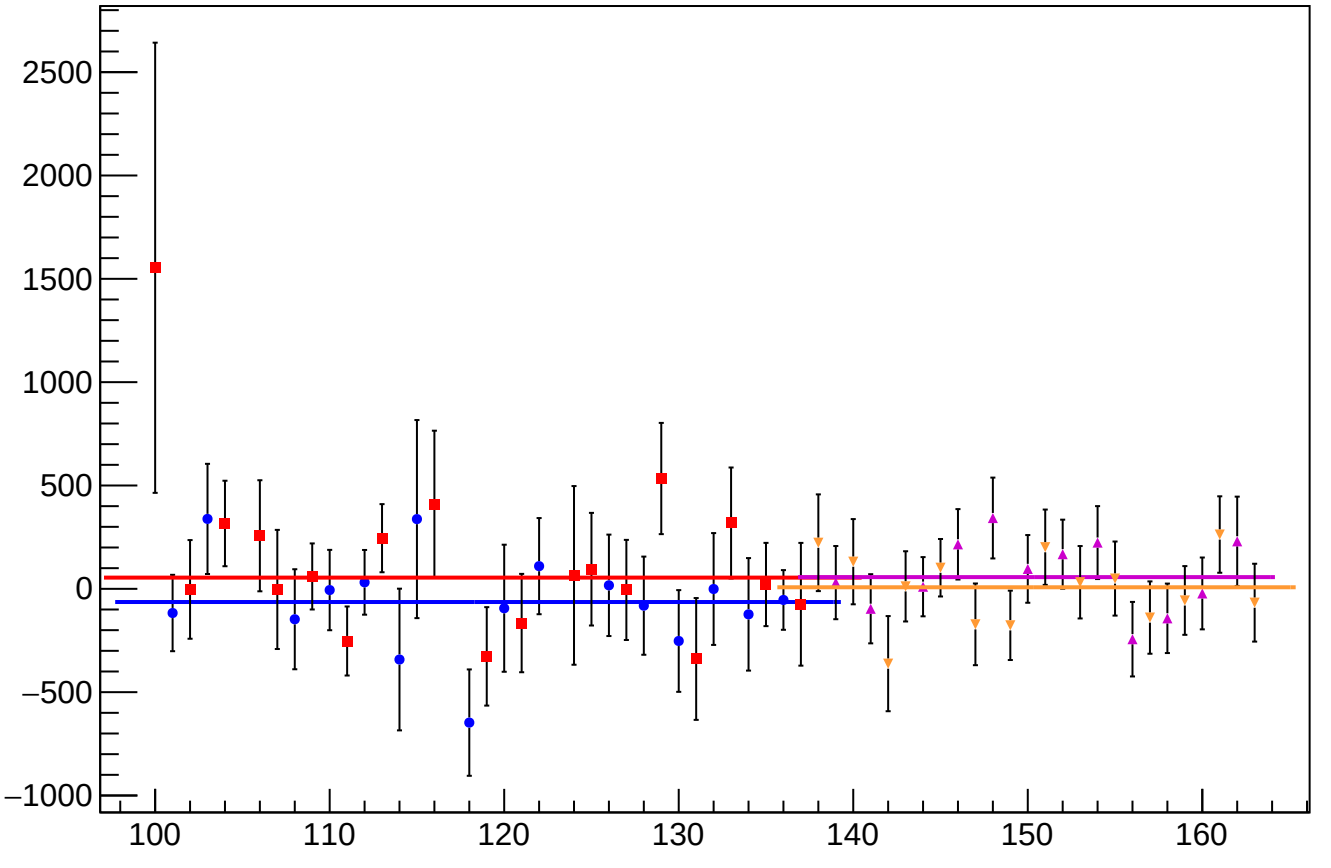
Left: 1141.110+/-0.177 χ^2/NDF: 1055736.6/25

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1188.061+/-0.206 χ^2/NDF:1730492.3/27

Out: 1168.137+/-0.198 χ^2/NDF:2038010.2/32

All: 1177.667+/-0.143 χ^2/NDF: 3773369.6/60



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.536+/-48.328 χ^2/NDF:10.4/13

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 56.693+/-49.822 χ^2/NDF:10.4/11

Left: 31.367+/-34.689 χ^2/NDF: 21.3/25

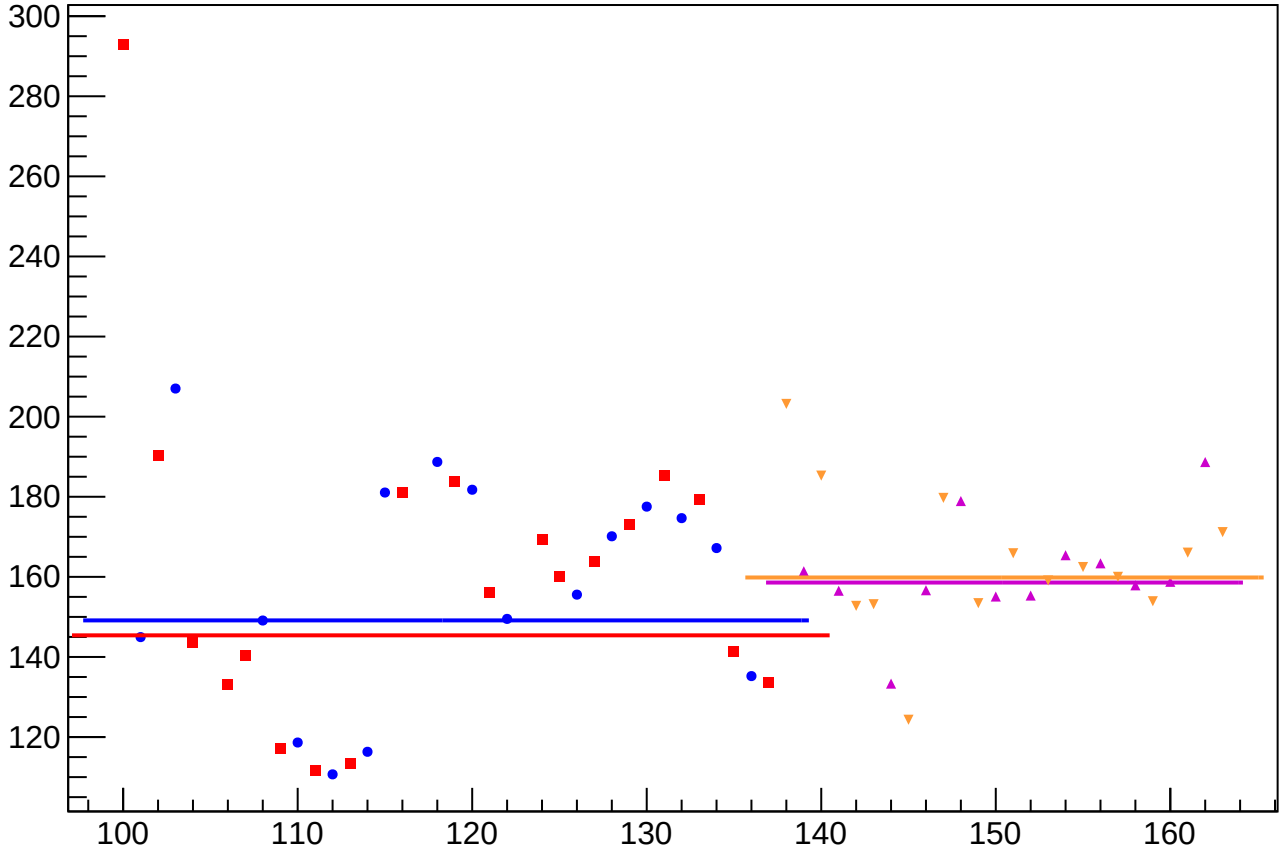
Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 4.237+/-37.436 χ^2/NDF:23.8/27

Out: 28.021+/-36.230 χ^2/NDF:30.3/32

All: 16.519+/-26.034 χ^2/NDF: 54.3/60

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.844+/-0.034 χ^2/NDF:272305.1/13

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.581+/-0.035 χ^2/NDF:129679.9/11

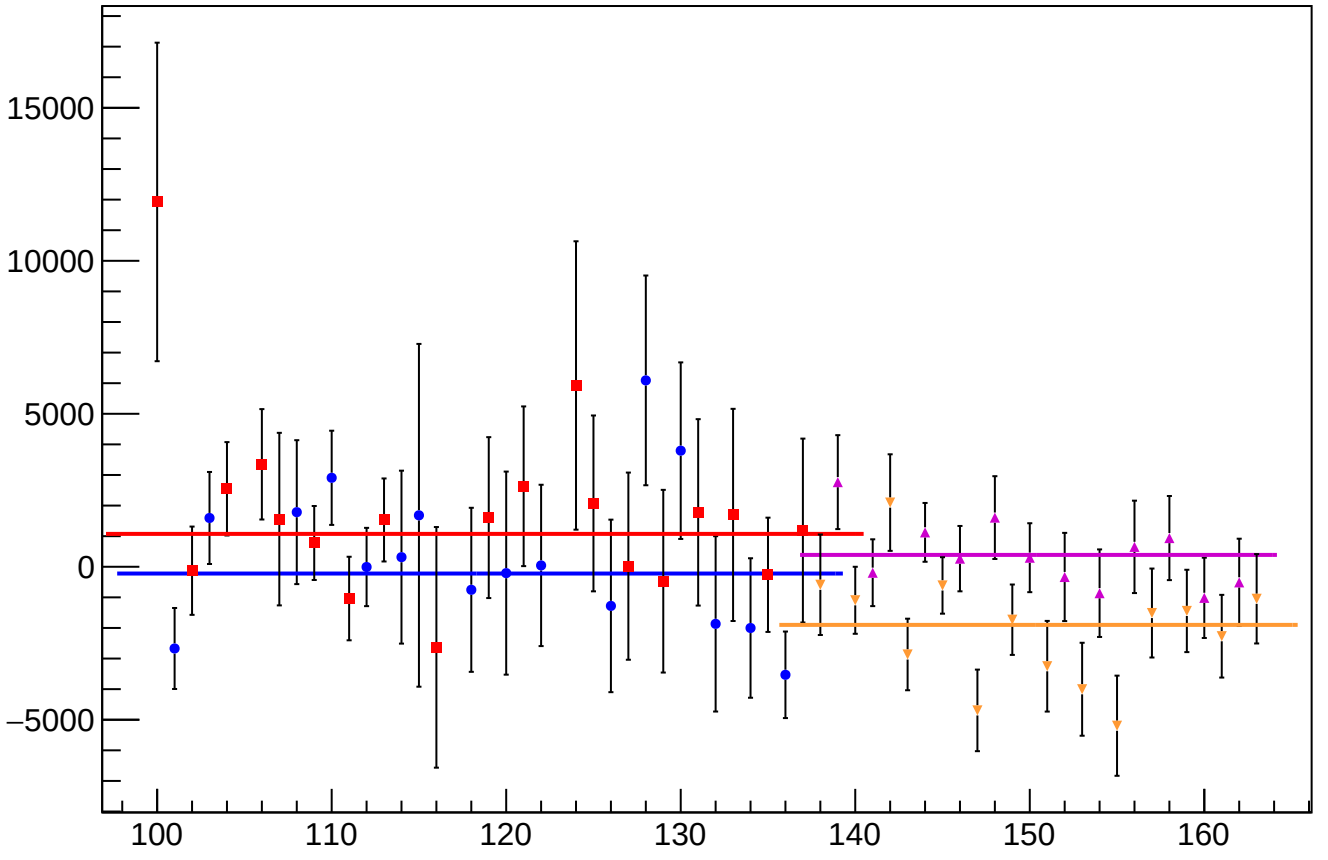
Left: 159.232+/-0.025 χ^2/NDF: 402647.5/25

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 154.466+/-0.026 χ^2/NDF:612016.6/27

Out: 153.517+/-0.026 χ^2/NDF:876387.3/32

All: 153.976+/-0.018 χ^2/NDF: 1489067.2/60



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1899.698+/-350.645 χ^2/NDF:22.0/13

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 387.501+/-363.568 χ^2/NDF:6.8/11

Left: -797.468+/-252.388 χ^2/NDF: 49.4/25

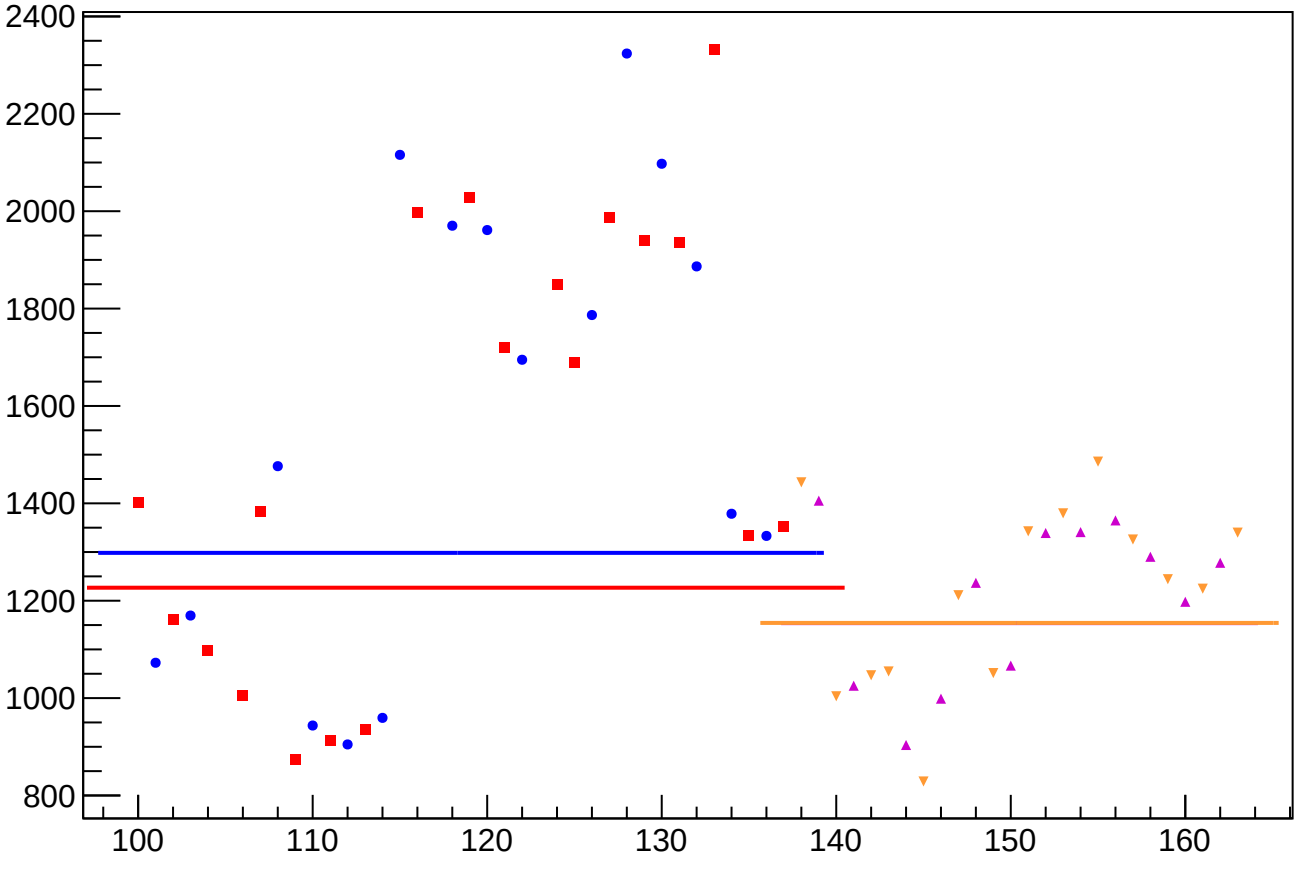
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 180.344+/-295.296 χ^2/NDF:29.7/27

Out: -844.379+/-281.646 χ^2/NDF:61.2/32

All: -356.247+/-203.809 χ^2/NDF: 97.2/60

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1154.411+/-0.248 χ^2/NDF:624710.3/13

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1153.976+/-0.257 χ^2/NDF:421845.0/11

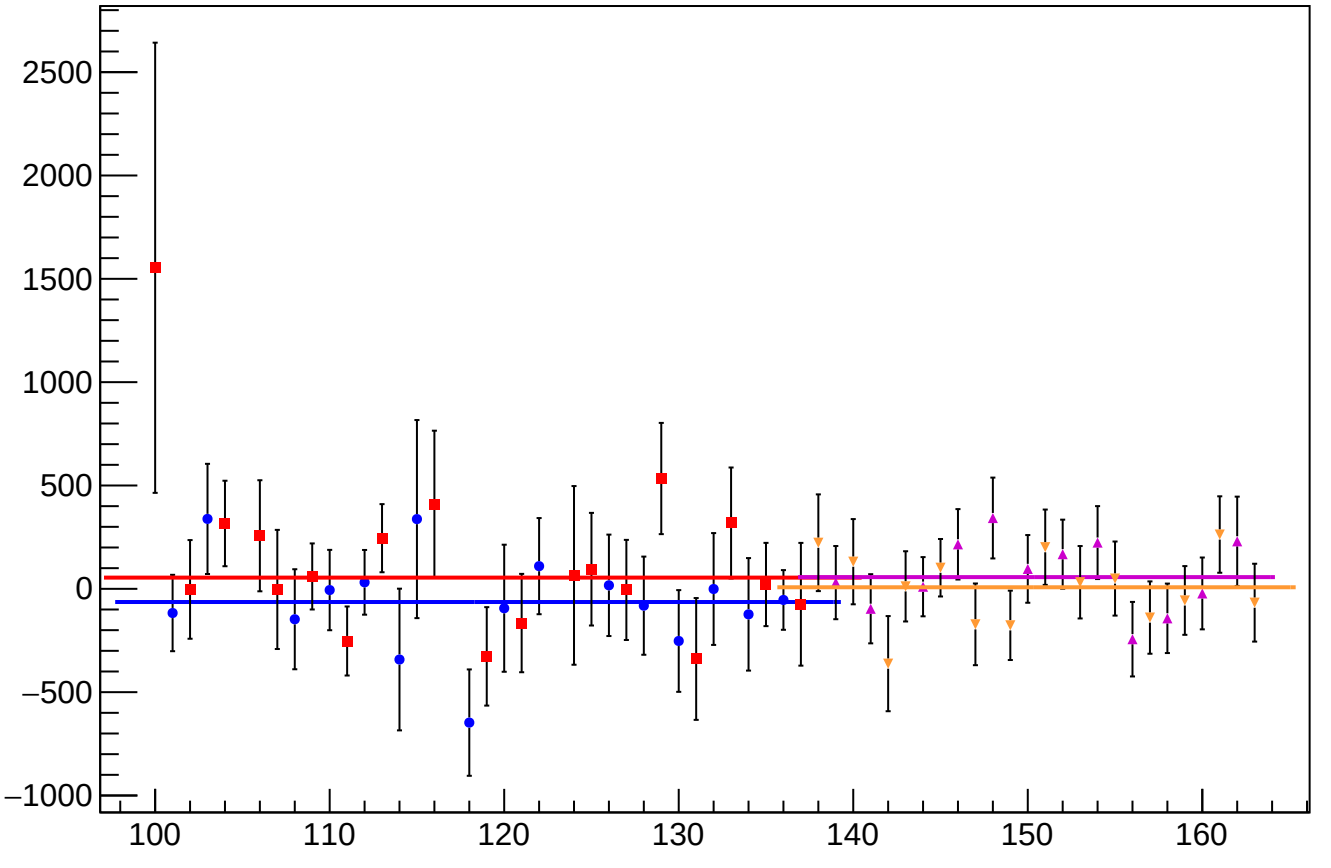
Left: 1154.201+/-0.178 χ^2/NDF: 1046556.8/25

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1203.087+/-0.209 χ^2/NDF:1711210.0/27

Out: 1180.071+/-0.199 χ^2/NDF:2059418.3/32

All: 1191.035+/-0.144 χ^2/NDF: 3776990.7/60



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 7.539+/-48.328 χ^2/NDF:10.4/13

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 56.693+/-49.822 χ^2/NDF:10.4/11

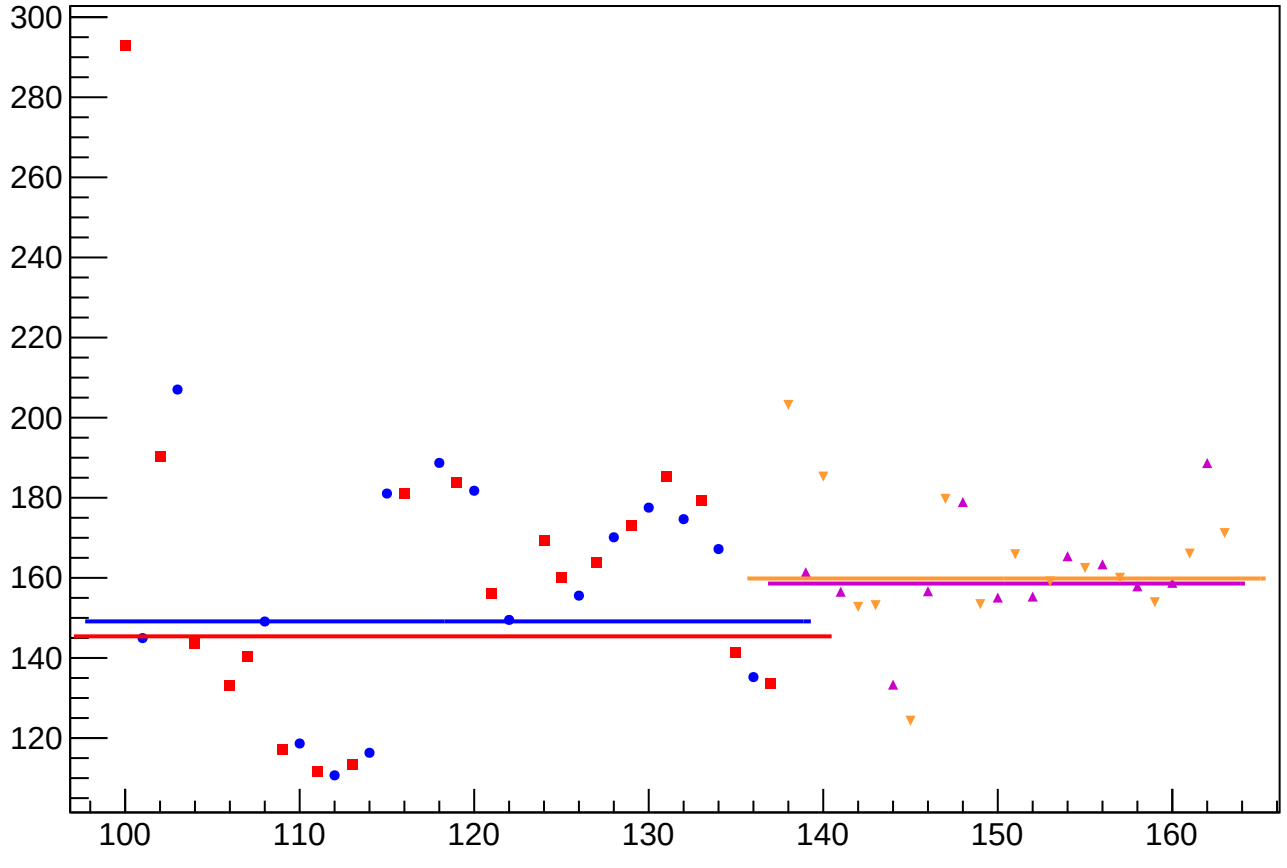
Left: 31.368+/-34.689 χ^2/NDF: 21.3/25

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

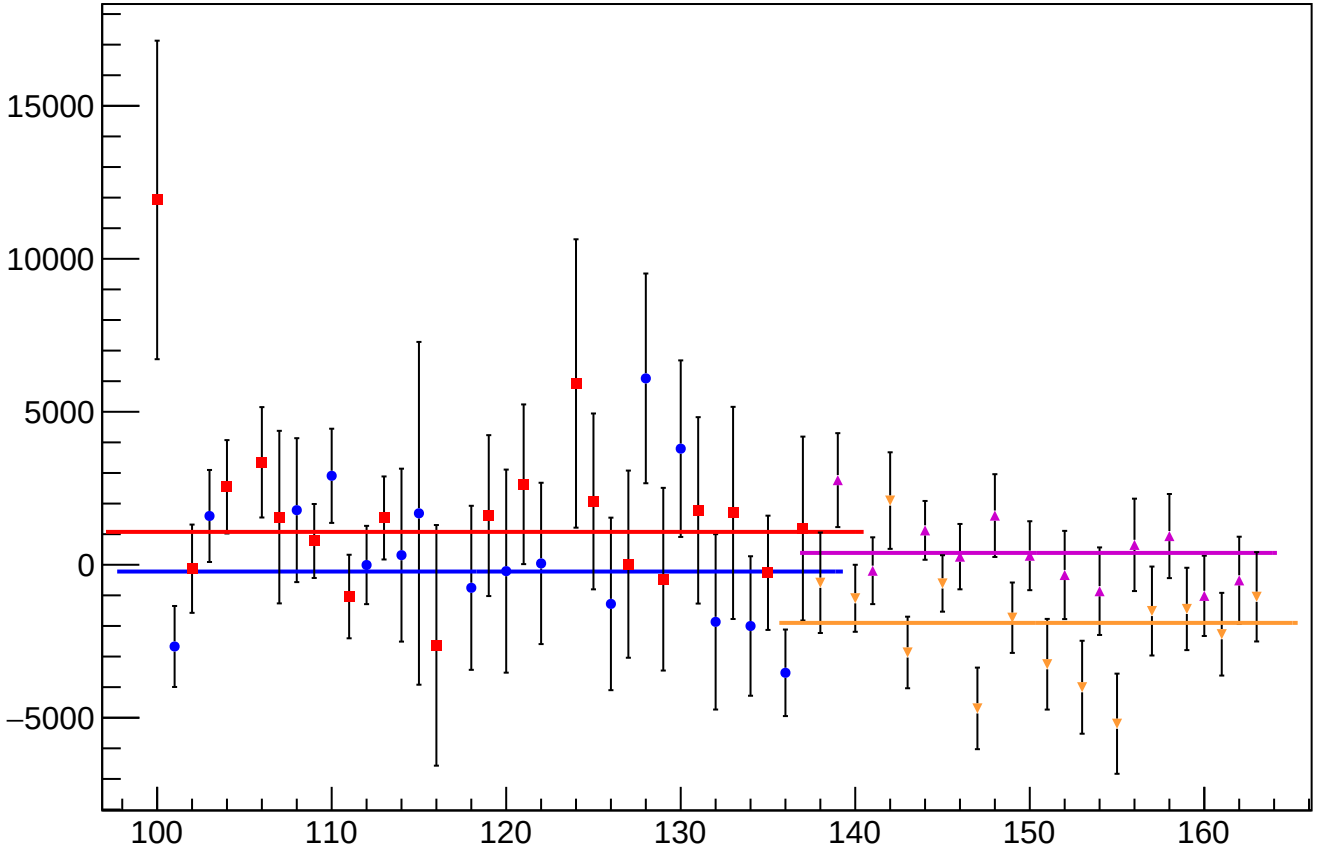
In: 4.239+/-37.436 χ^2/NDF:23.8/27

Out: 28.022+/-36.230 χ^2/NDF:30.3/32

All: 16.520+/-26.034 χ^2/NDF: 54.3/60


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 159.845+/-0.034 χ²/NDF:272298.8/13
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 158.581+/-0.035 χ²/NDF:129678.5/11
Left: 159.232+/-0.025 χ²/NDF: 402639.8/25
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 154.466+/-0.026 χ²/NDF:612019.0/27
Out: 153.517+/-0.026 χ²/NDF:876387.6/32
All: 153.976+/-0.018 χ²/NDF: 1489070.0/60

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1899.694+/-350.645 χ^2/NDF:22.0/13

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 387.499+/-363.567 χ^2/NDF:6.8/11

Left: -797.467+/-252.388 χ^2/NDF: 49.4/25

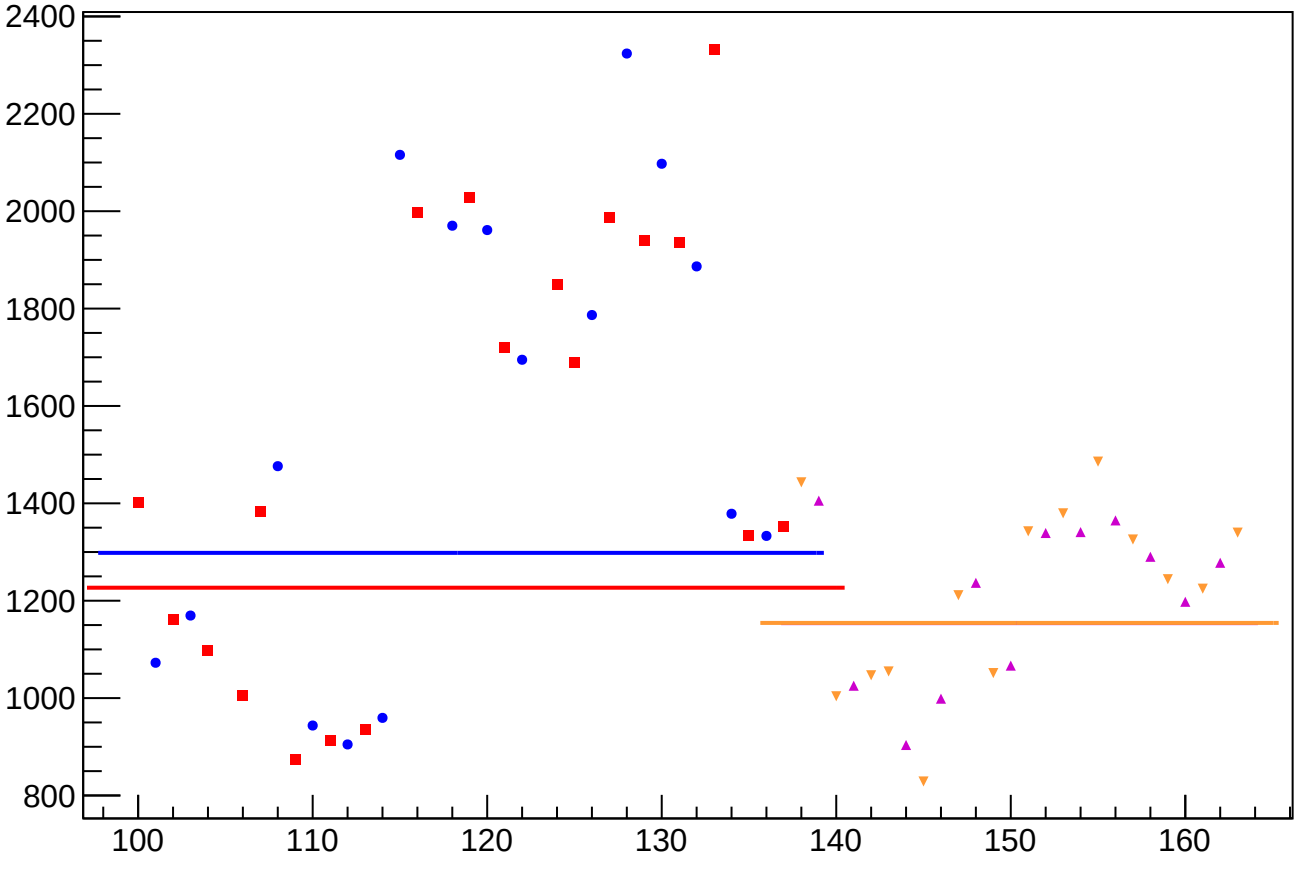
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 180.343+/-295.295 χ^2/NDF:29.7/27

Out: -844.378+/-281.646 χ^2/NDF:61.2/32

All: -356.247+/-203.808 χ^2/NDF: 97.2/60

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: 1154.409+/-0.248 χ^2/NDF:624712.9/13

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1153.974+/-0.257 χ^2/NDF:421843.4/11

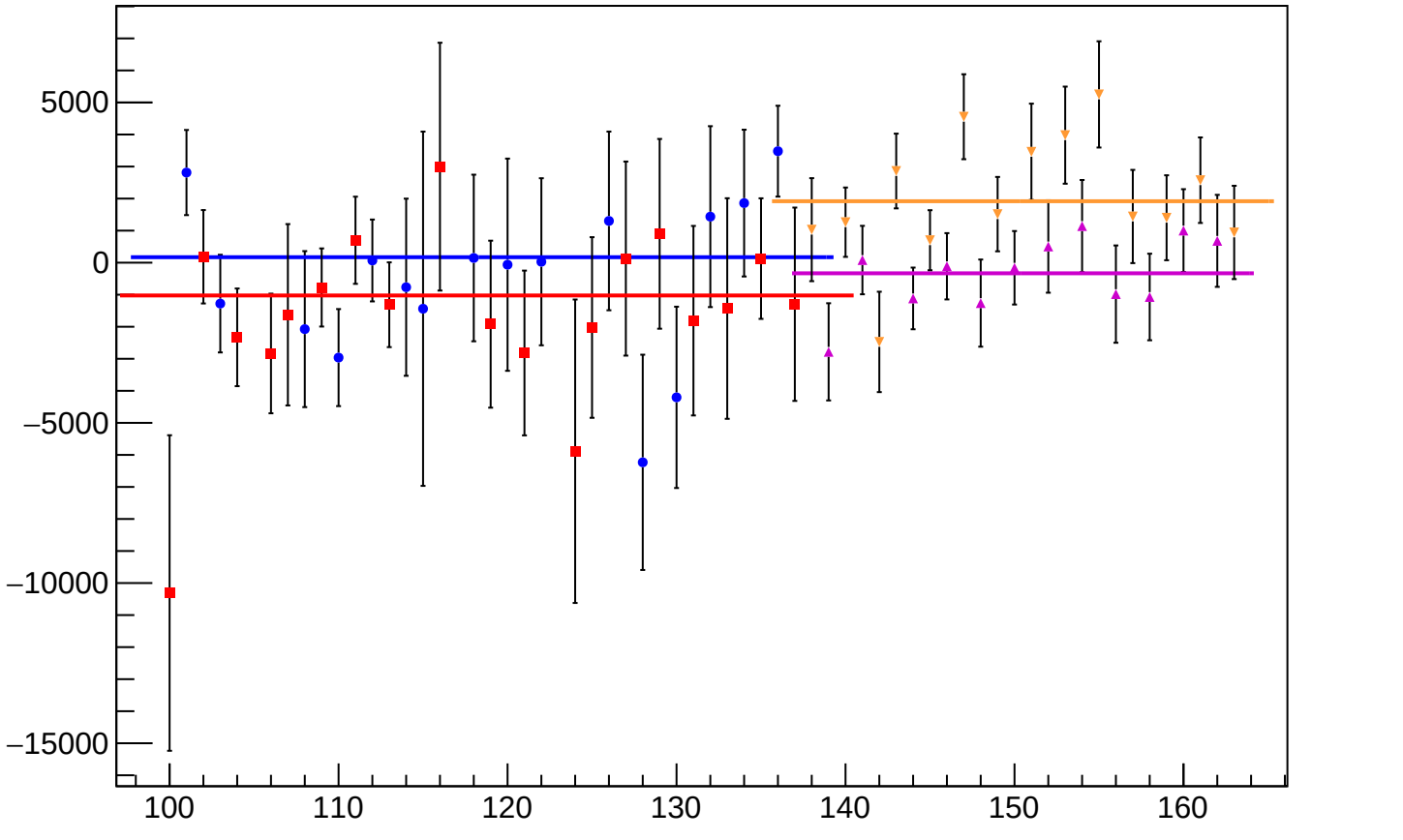
Left: 1154.200+/-0.178 χ^2/NDF: 1046557.8/25

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1203.086+/-0.209 χ^2/NDF:1711212.4/27

Out: 1180.070+/-0.199 χ^2/NDF:2059424.1/32

All: 1191.034+/-0.144 χ^2/NDF: 3776999.1/60



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1917.953+/-350.314 χ^2/NDF:22.8/13

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -331.683+/-361.441 χ^2/NDF:7.4/11

Left: 828.296+/-251.551 χ^2/NDF: 50.2/25

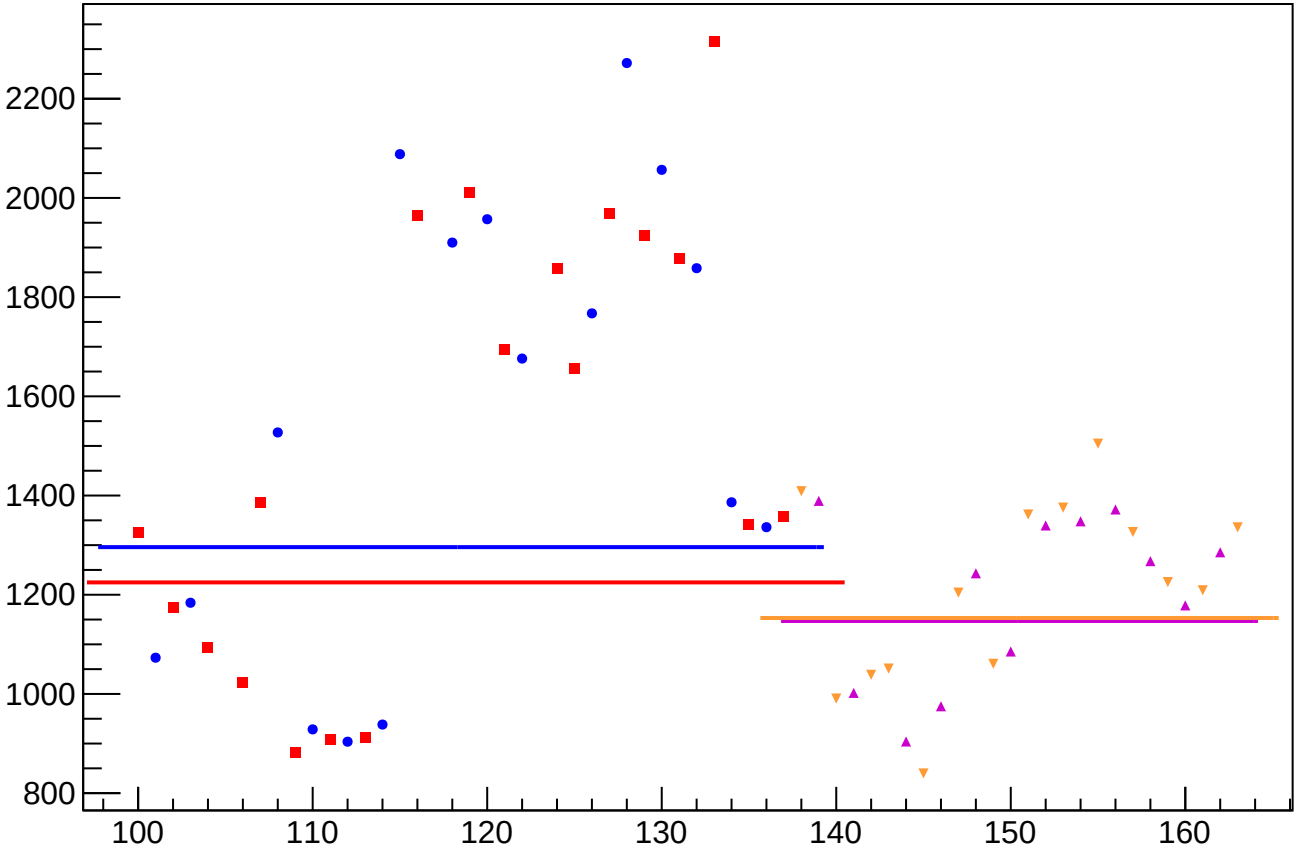
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -161.446+/-293.943 χ^2/NDF:30.6/27

Out: 873.128+/-281.304 χ^2/NDF:59.4/32

All: 378.562+/-203.233 χ^2/NDF: 96.5/60

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1153.138+/-0.248 χ^2/NDF:601905.8/13

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1147.096+/-0.256 χ^2/NDF:440393.7/11

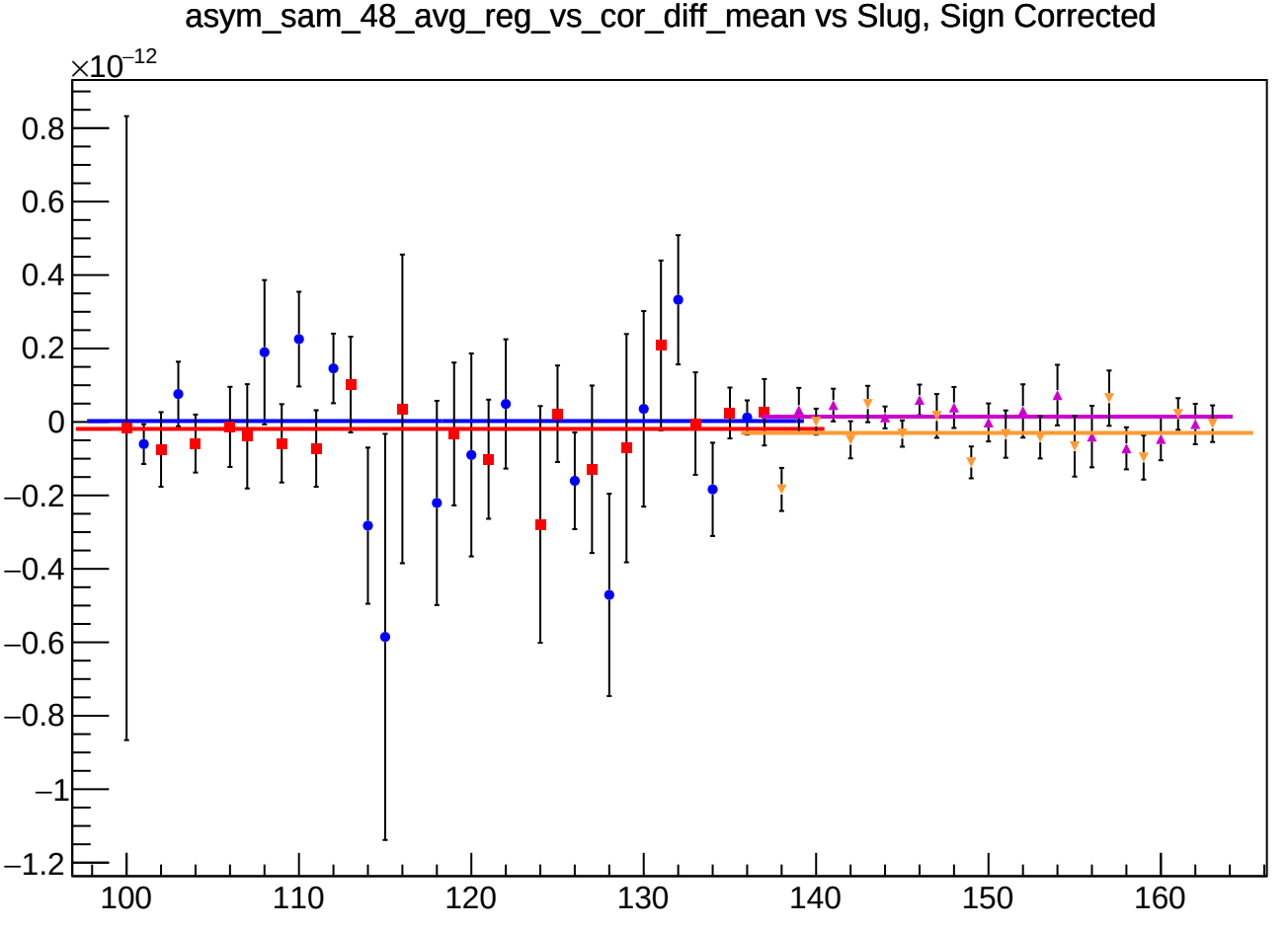
Left: 1150.211+/-0.178 χ^2/NDF: 1042587.8/25

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1197.513+/-0.208 χ^2/NDF:1709501.5/27

Out: 1178.617+/-0.199 χ^2/NDF:2002977.1/32

All: 1187.650+/-0.144 χ^2/NDF: 3716792.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/11

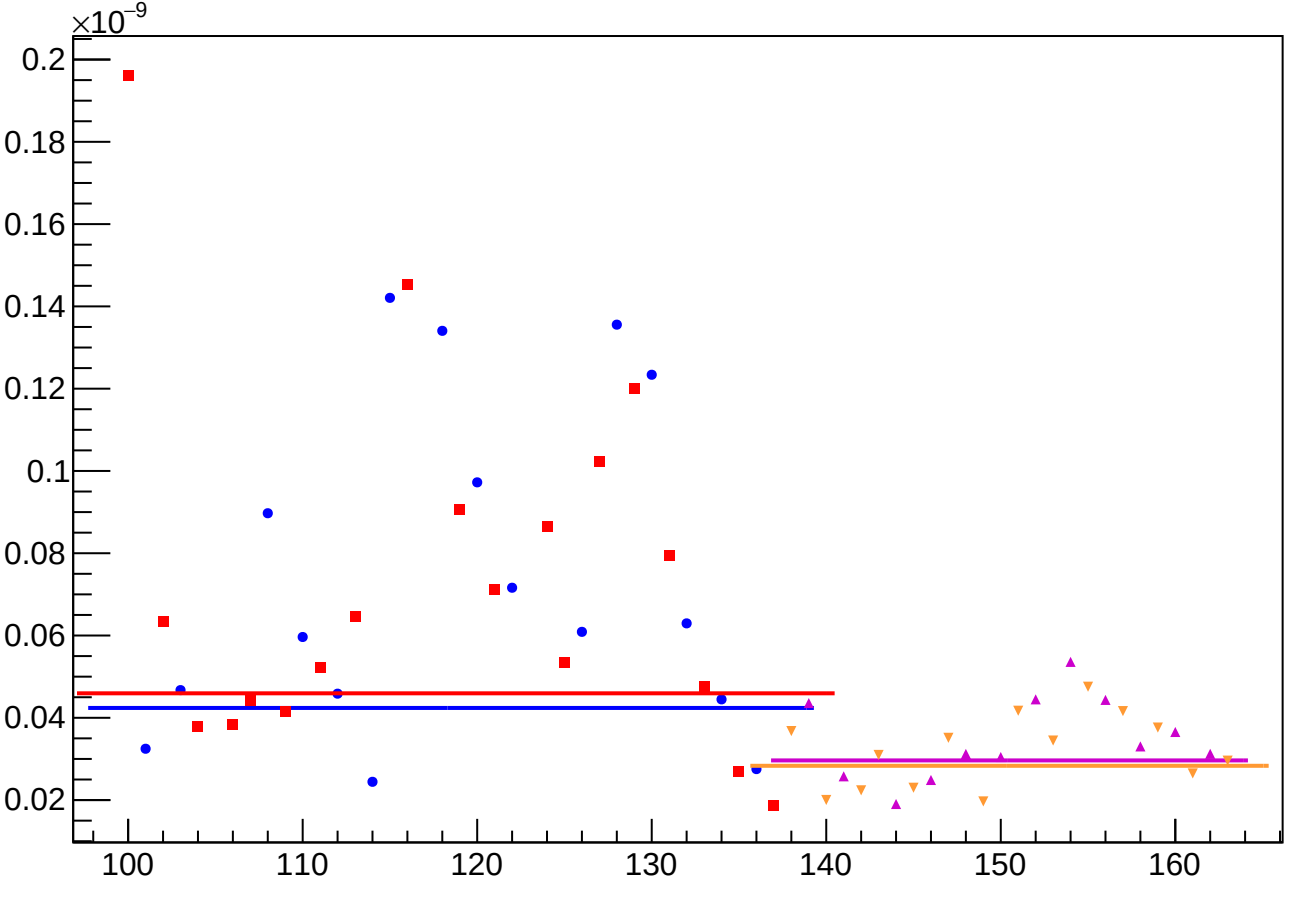
Left: -0.000+/-0.000 χ^2/NDF: 30.5/25

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

In: 0.000+/-0.000 χ^2/NDF:28.9/27

Out: -0.000+/-0.000 χ^2/NDF:23.9/32

All: -0.000+/-0.000 χ^2/NDF: 57.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:667082.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:753573.9/11

Left: 0.000+/-0.000 χ^2/NDF: 1429258.8/25

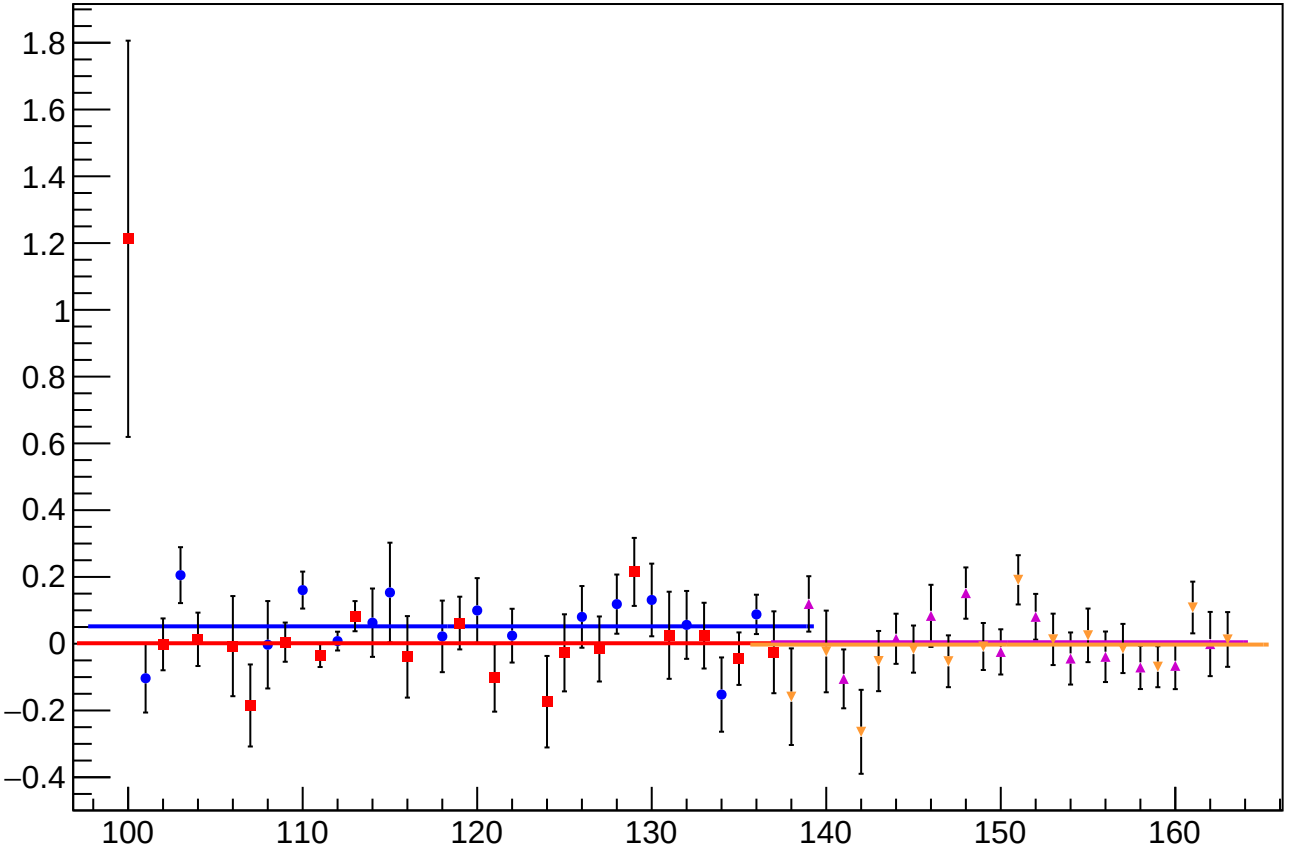
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2441680.7/27

Out: 0.000+/-0.000 χ^2/NDF:2397807.3/32

All: 0.000+/-0.000 χ^2/NDF: 4847818.6/60

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.022 χ^2/NDF:12.4/11

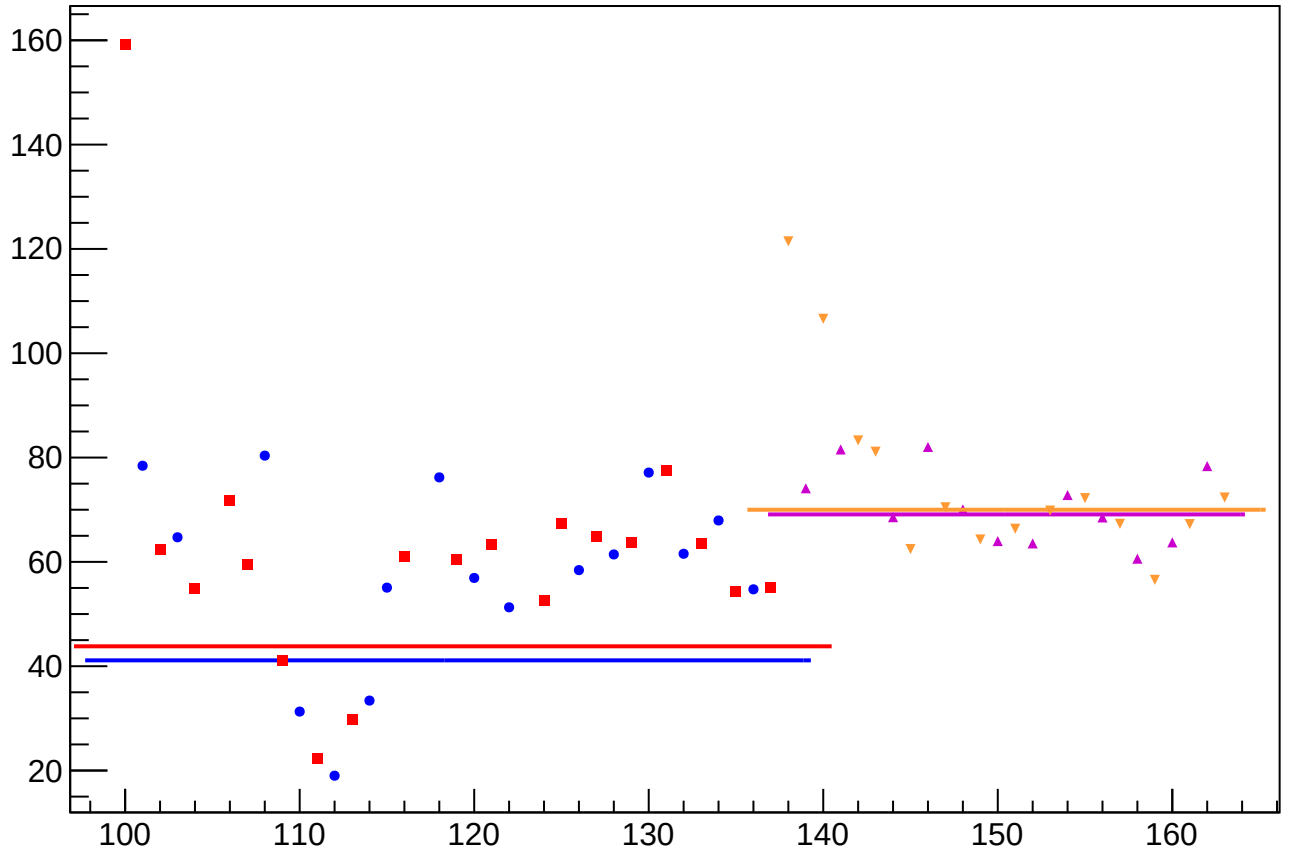
Left: 0.001+/-0.015 χ^2/NDF: 29.1/25

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.014 χ^2/NDF:33.2/27

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.016+/-0.010 χ^2/NDF: 72.0/60



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.000+/-0.015 χ^2/NDF:629717.9/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.102+/-0.016 χ^2/NDF:179959.2/11

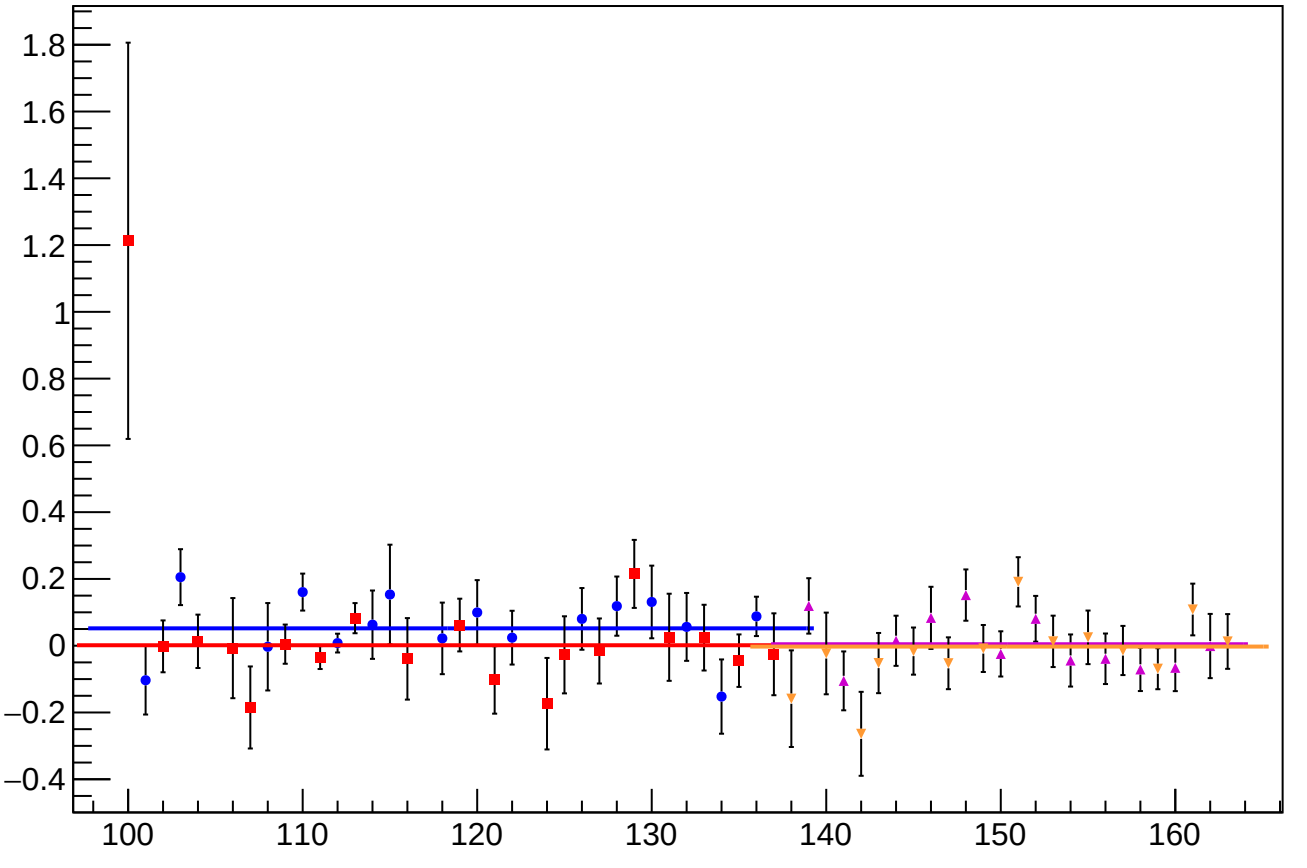
Left: 69.560+/-0.011 χ^2/NDF: 811368.6/25

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.136+/-0.010 χ^2/NDF:5057132.4/27

Out: 54.491+/-0.010 χ^2/NDF:4418144.8/32

All: 53.317+/-0.007 χ^2/NDF: 9504327.0/60



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.022 χ^2/NDF:12.4/11

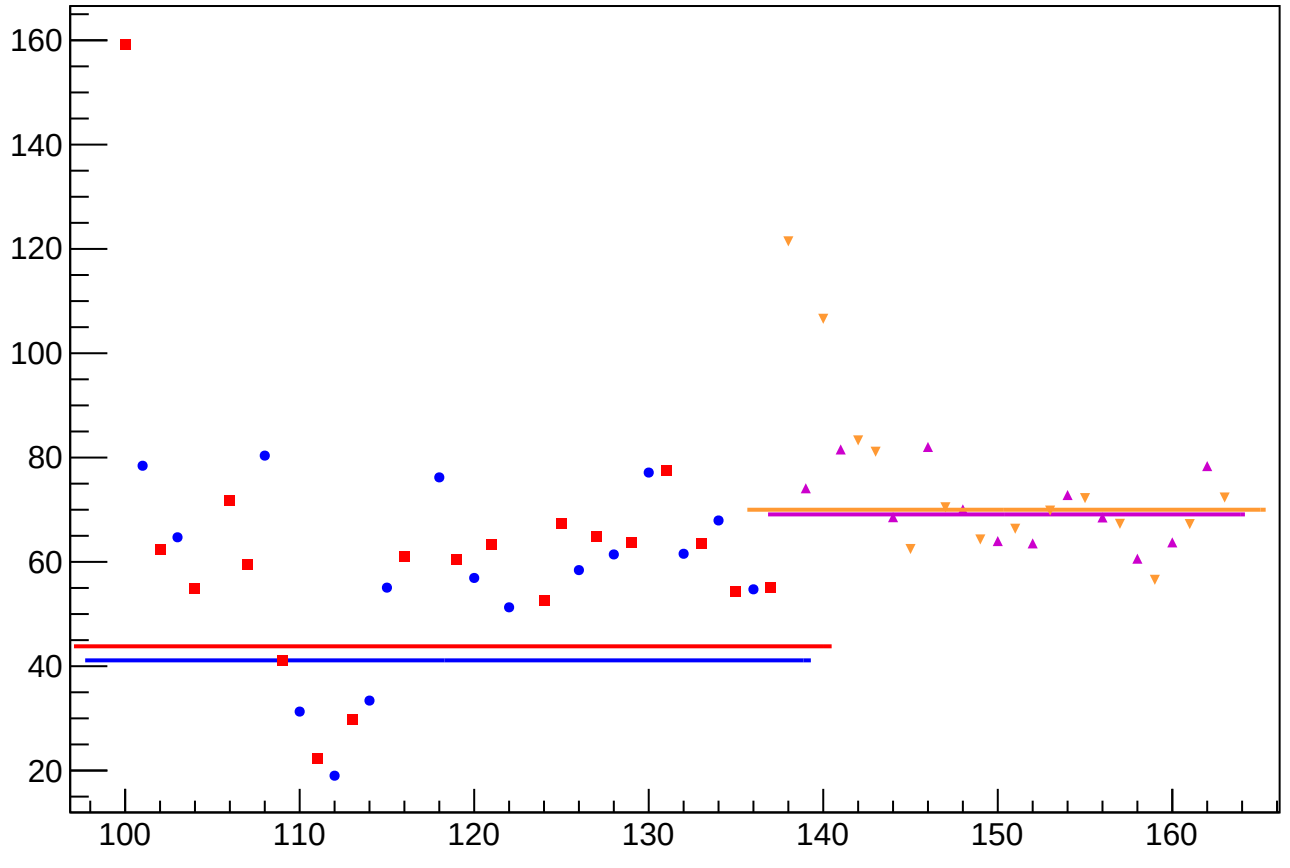
Left: 0.001+/-0.015 χ^2/NDF: 29.1/25

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.014 χ^2/NDF:33.2/27

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.016+/-0.010 χ^2/NDF: 72.0/60



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.000+/-0.015 χ^2/NDF:629717.9/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.102+/-0.016 χ^2/NDF:179959.2/11

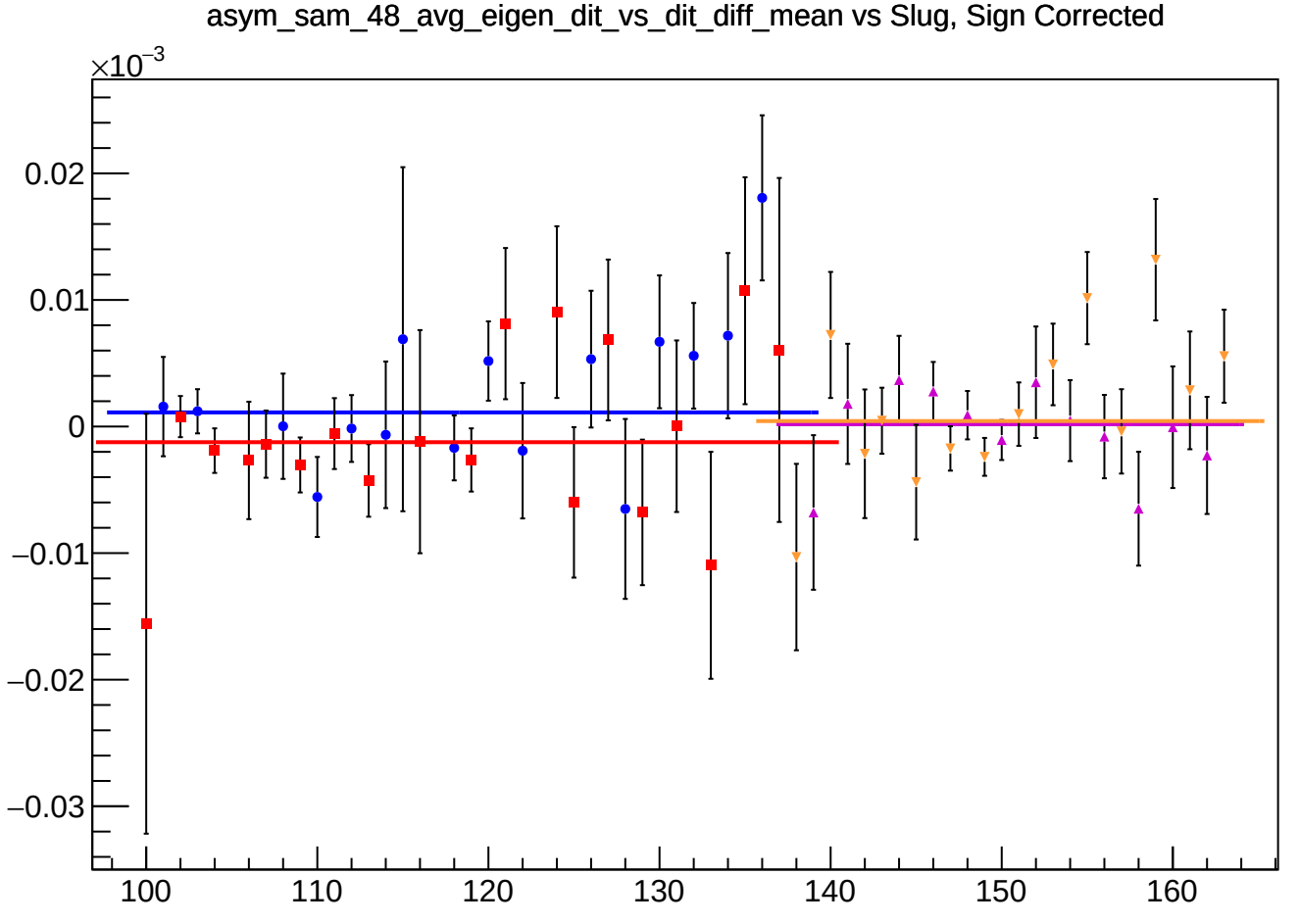
Left: 69.560+/-0.011 χ^2/NDF: 811368.6/25

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 52.136+/-0.010 χ^2/NDF:5057132.4/27

Out: 54.491+/-0.010 χ^2/NDF:4418144.8/32

All: 53.317+/-0.007 χ^2/NDF: 9504327.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/11

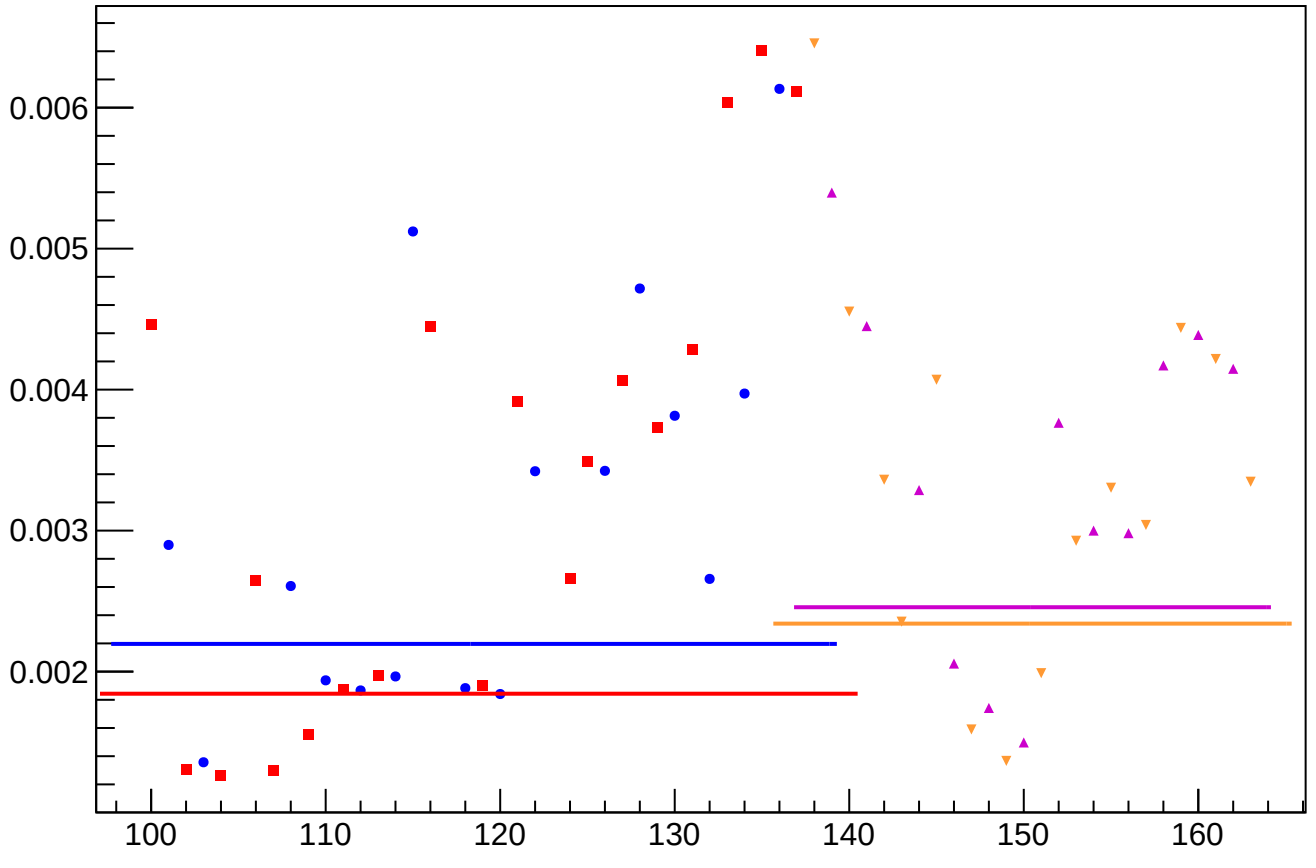
Left: 0.000+/-0.000 χ^2/NDF: 36.5/25

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.0/27

Out: -0.000+/-0.000 χ^2/NDF:47.2/32

All: 0.000+/-0.000 χ^2/NDF: 76.8/60



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3798557.7/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3168339.7/11

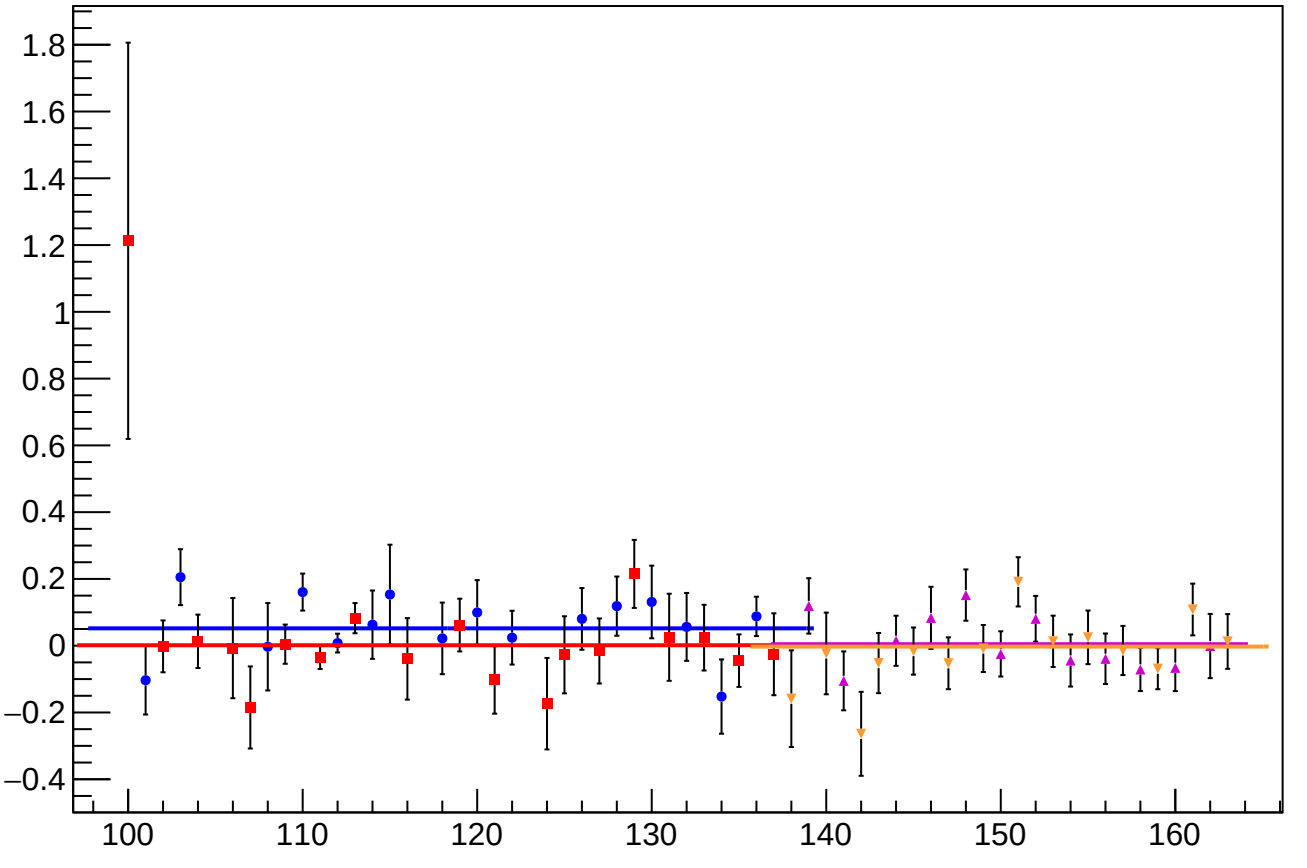
Left: 0.002+/-0.000 χ^2/NDF: 6987301.9/25

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:5548956.3/27

Out: 0.002+/-0.000 χ^2/NDF:7351781.9/32

All: 0.002+/-0.000 χ^2/NDF: 13081658.0/60



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.022 χ^2/NDF:12.4/11

Left: 0.001+/-0.015 χ^2/NDF: 29.1/25

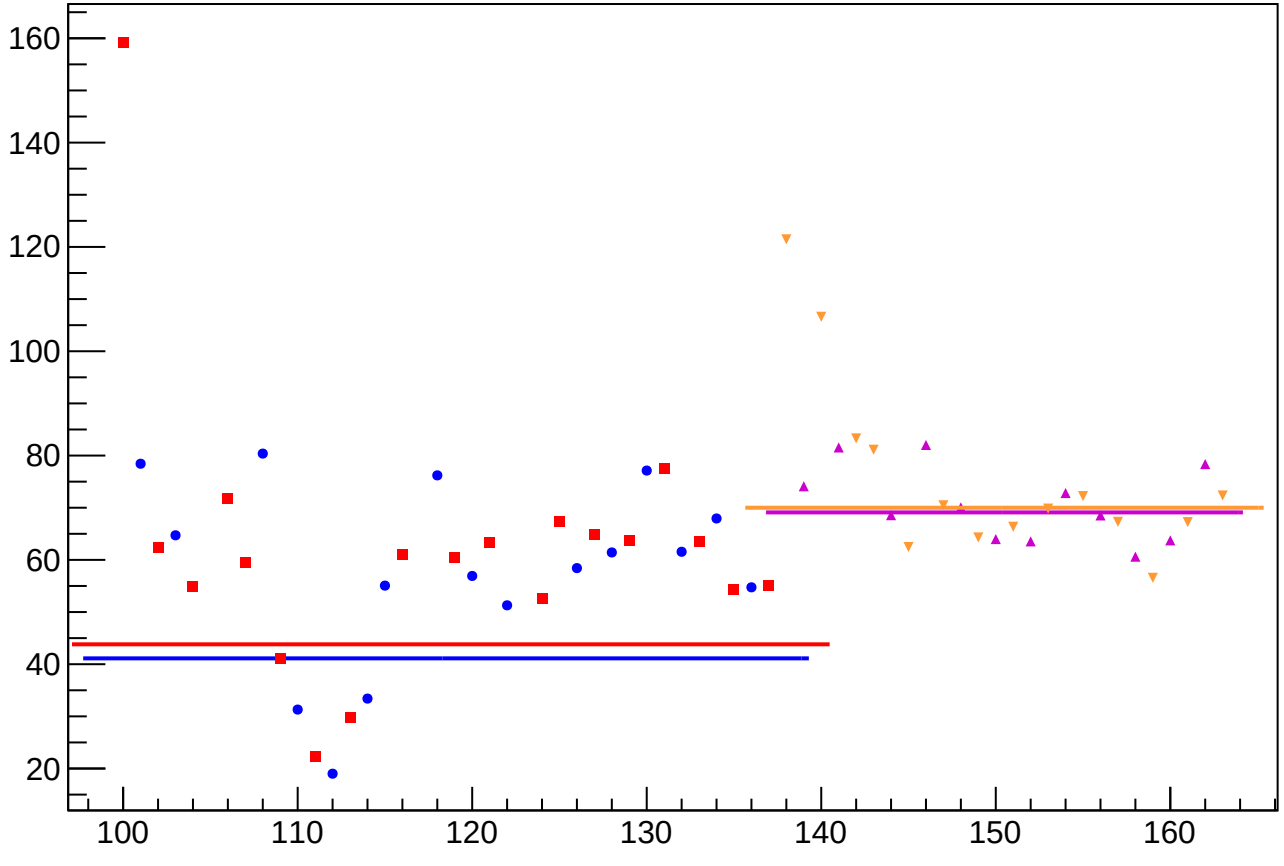
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.014 χ^2/NDF:33.2/27

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.016+/-0.010 χ^2/NDF: 72.0/60

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: 70.001+/-0.015 χ^2/NDF:629697.5/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.103+/-0.016 χ^2/NDF:179961.9/11

Left: 69.561+/-0.011 χ^2/NDF: 811351.0/25

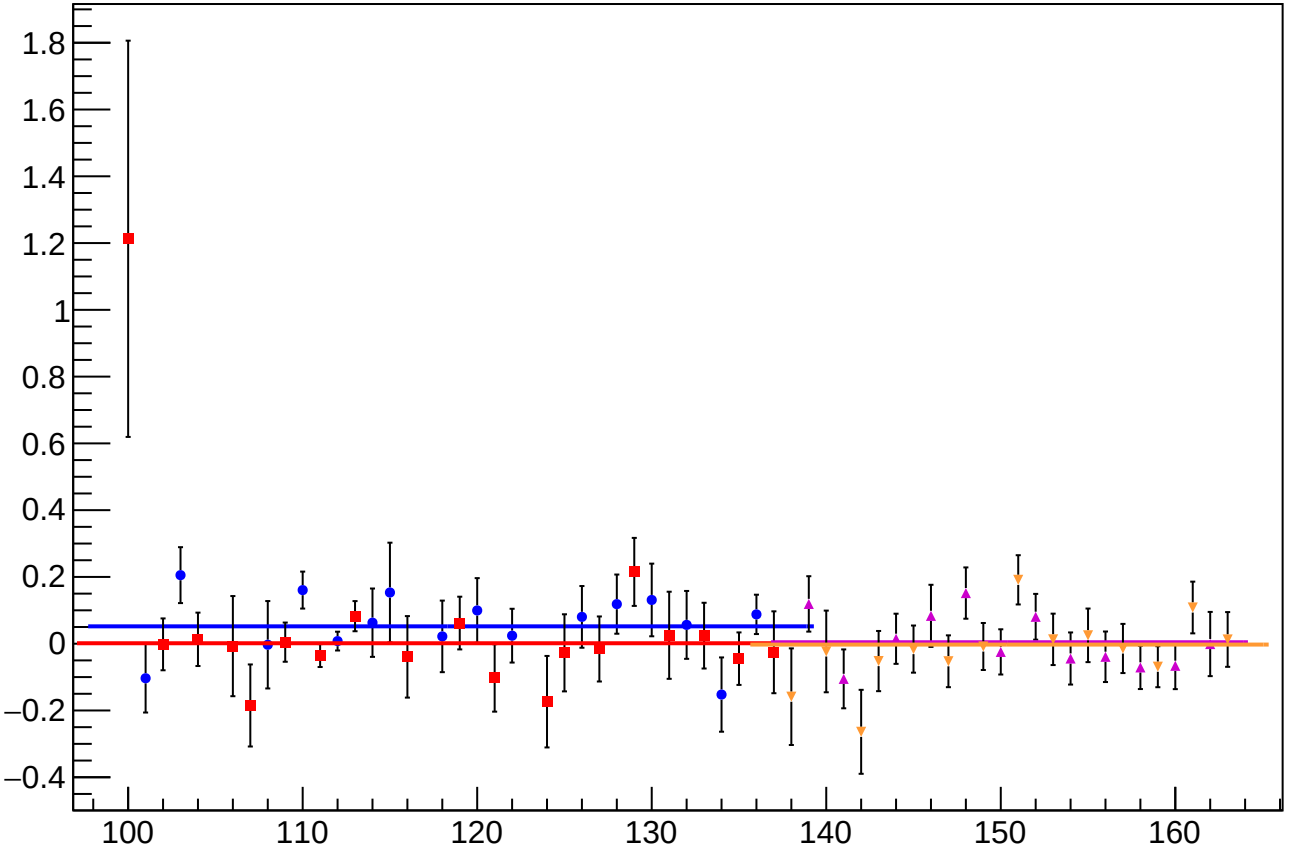
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.135+/-0.010 χ^2/NDF:5057525.8/27

Out: 54.491+/-0.010 χ^2/NDF:4418516.7/32

All: 53.316+/-0.007 χ^2/NDF: 9505094.6/60

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: -0.003+/-0.022 χ^2/NDF:16.6/13

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.022 χ^2/NDF:12.4/11

Left: 0.001+/-0.015 χ^2/NDF: 29.1/25

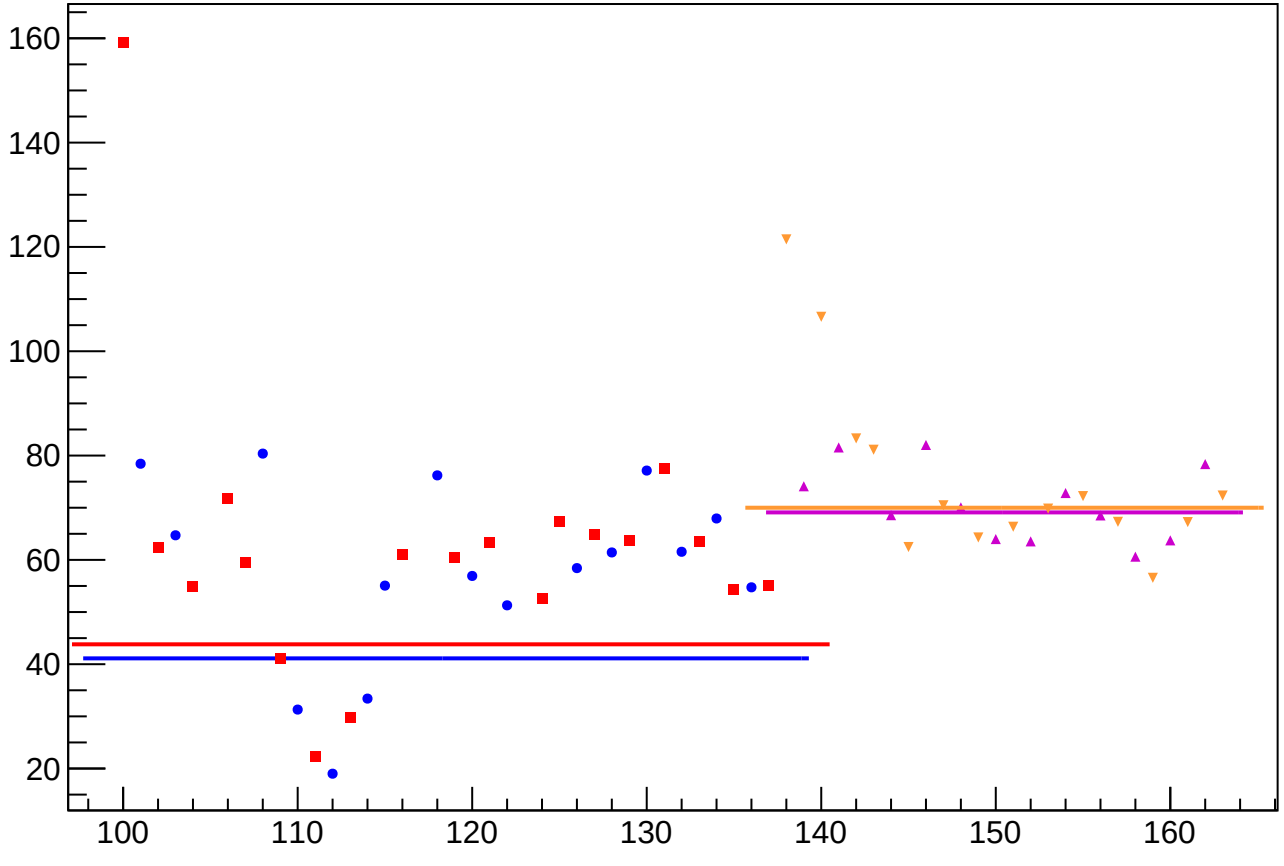
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.014 χ^2/NDF:33.2/27

Out: -0.000+/-0.014 χ^2/NDF:35.9/32

All: 0.016+/-0.010 χ^2/NDF: 72.0/60

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: 70.001+/-0.015 χ^2/NDF:629697.5/13

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.103+/-0.016 χ^2/NDF:179961.9/11

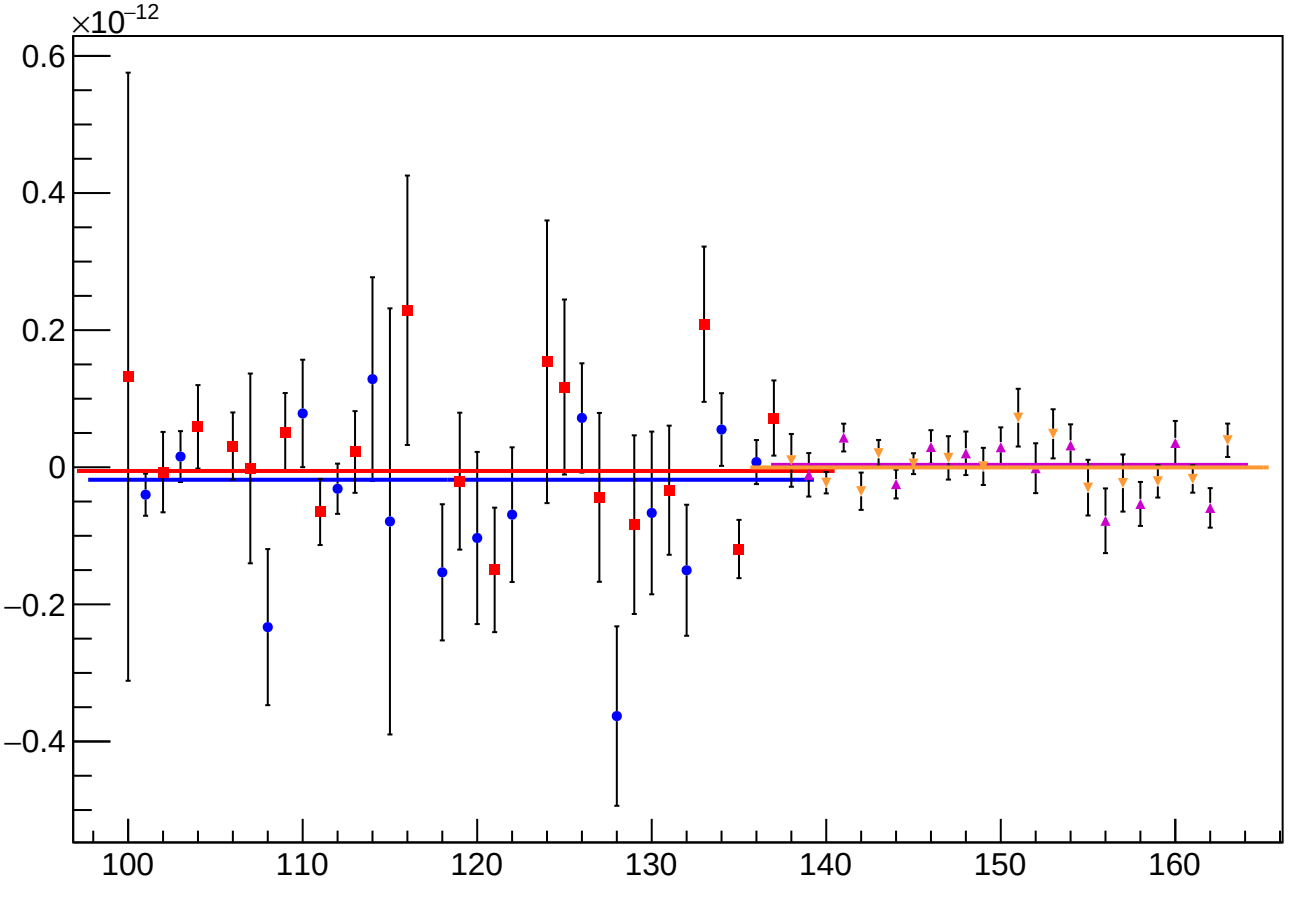
Left: 69.561+/-0.011 χ^2/NDF: 811351.0/25

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 52.135+/-0.010 χ^2/NDF:5057525.8/27

Out: 54.491+/-0.010 χ^2/NDF:4418516.7/32

All: 53.316+/-0.007 χ^2/NDF: 9505094.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:20.8/11

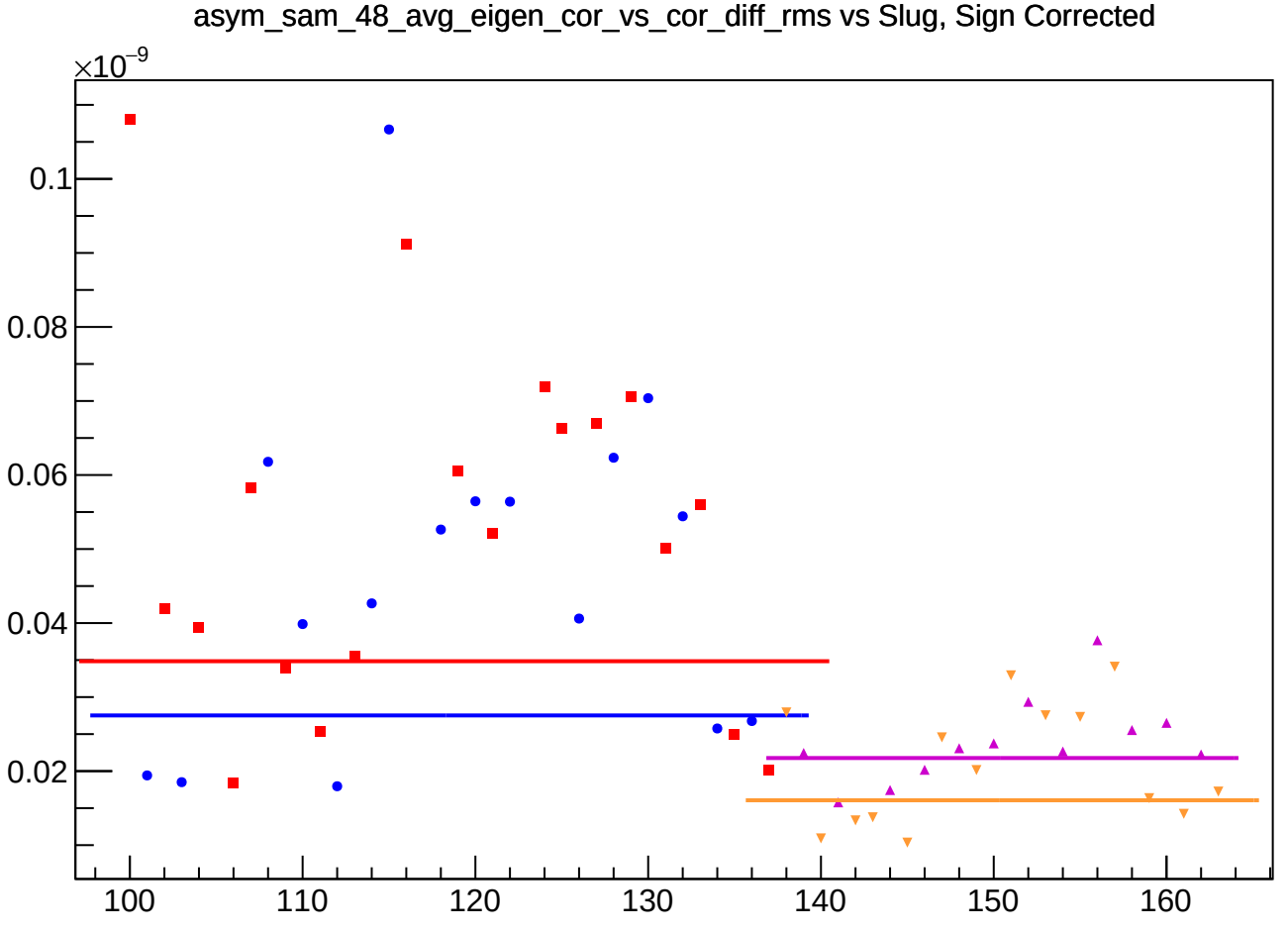
Left: 0.000+/-0.000 χ^2/NDF: 35.9/25

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: -0.000+/-0.000 χ^2/NDF:45.5/27

Out: -0.000+/-0.000 χ^2/NDF:38.3/32

All: -0.000+/-0.000 χ^2/NDF: 83.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2005463.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:670582.0/11

Left: 0.000+/-0.000 χ^2/NDF: 3276279.2/25

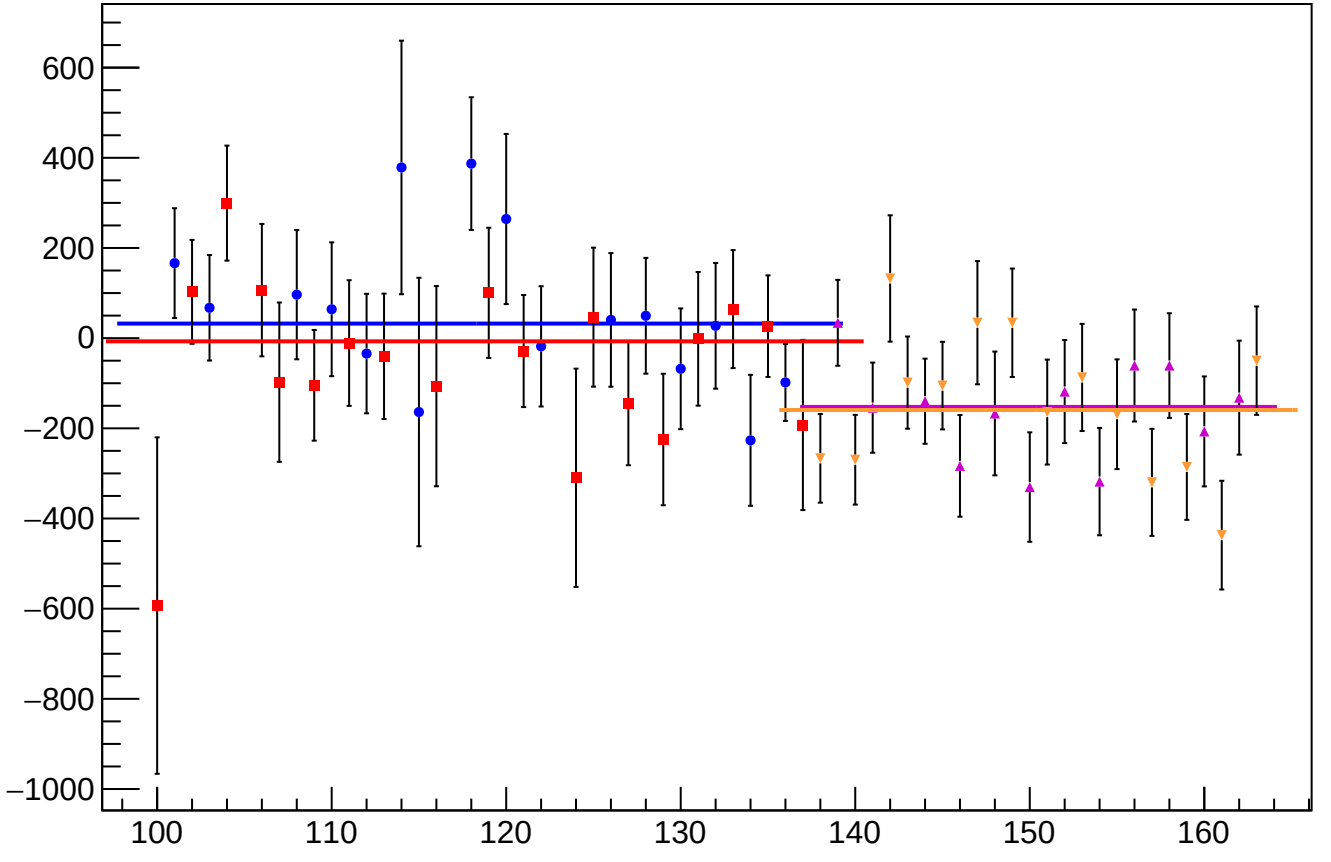
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2711668.3/27

Out: 0.000+/-0.000 χ^2/NDF:5885384.2/32

All: 0.000+/-0.000 χ^2/NDF: 9096748.2/60

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.381+/-30.525 χ^2/NDF:21.5/13

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -152.516+/-32.648 χ^2/NDF:10.8/11

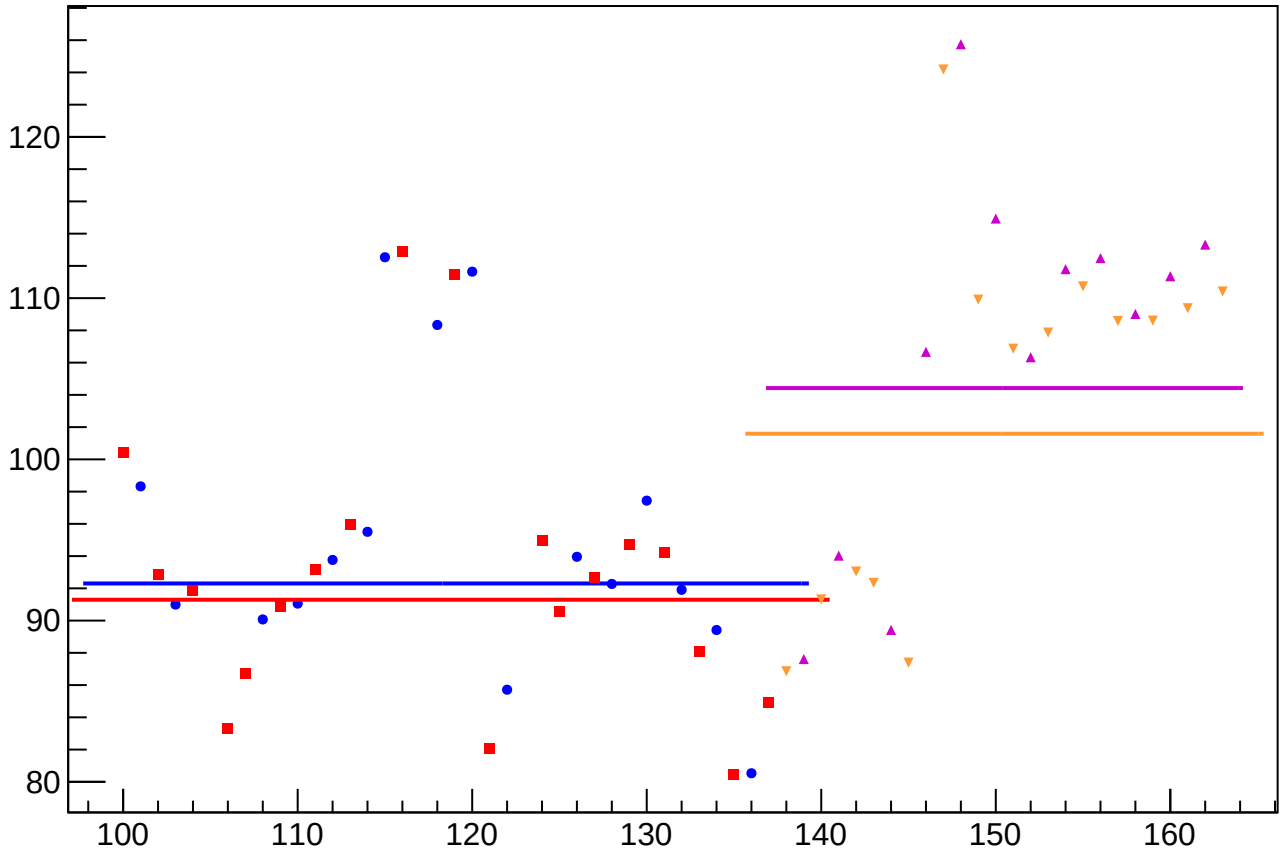
Left: -156.179+/-22.297 χ^2/NDF: 32.3/25

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -65.011+/-23.690 χ^2/NDF:43.2/27

Out: -90.106+/-22.539 χ^2/NDF:50.6/32

All: -78.183+/-16.329 χ^2/NDF: 94.4/60



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 104.423+/-0.023 χ^2/NDF:234699.5/11

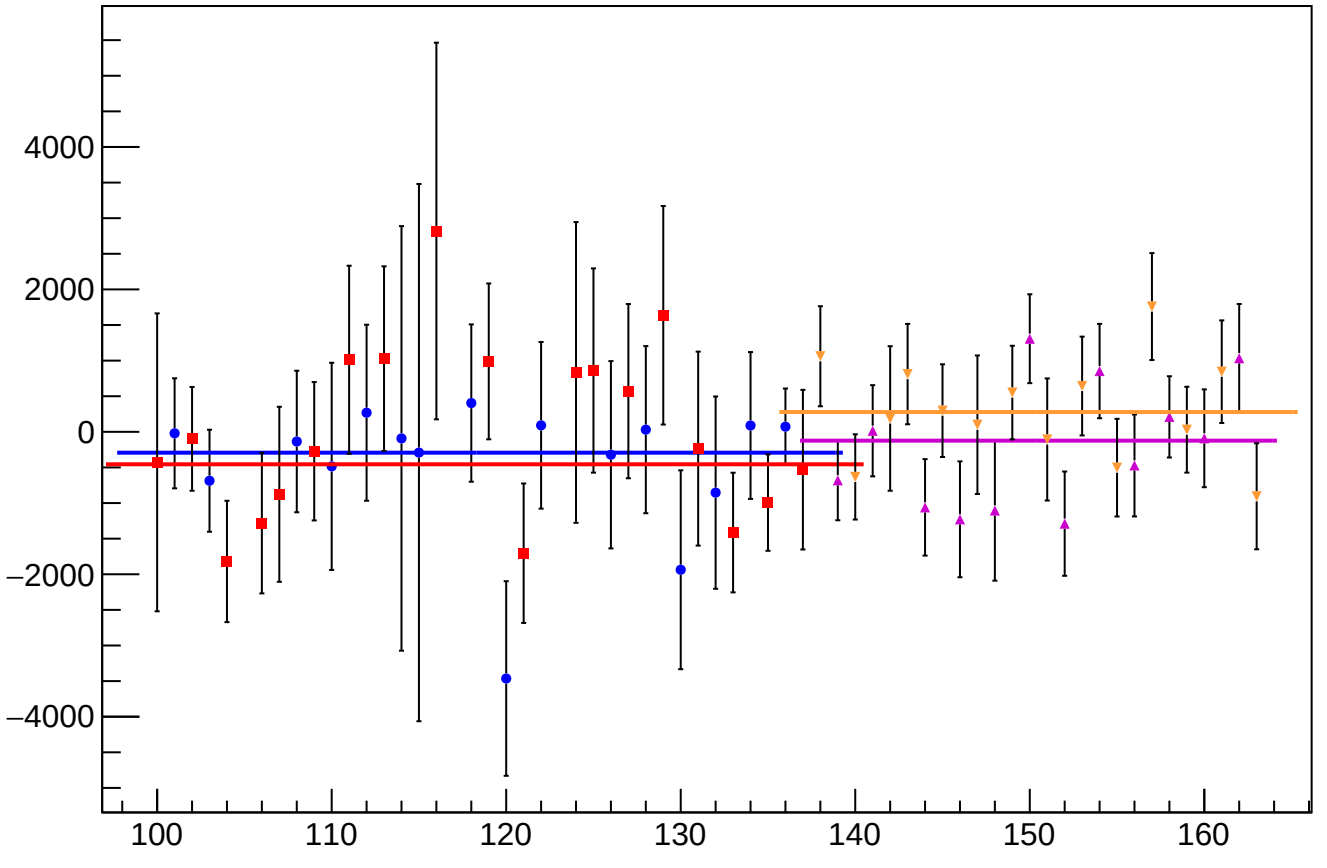
Left: 102.912+/-0.016 χ^2/NDF: 493776.9/25

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 98.684+/-0.017 χ^2/NDF:472288.5/27

Out: 96.908+/-0.016 χ^2/NDF:459663.4/32

All: 97.752+/-0.012 χ^2/NDF: 937857.2/60



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -123.851+/-196.464 χ^2/NDF:18.6/11

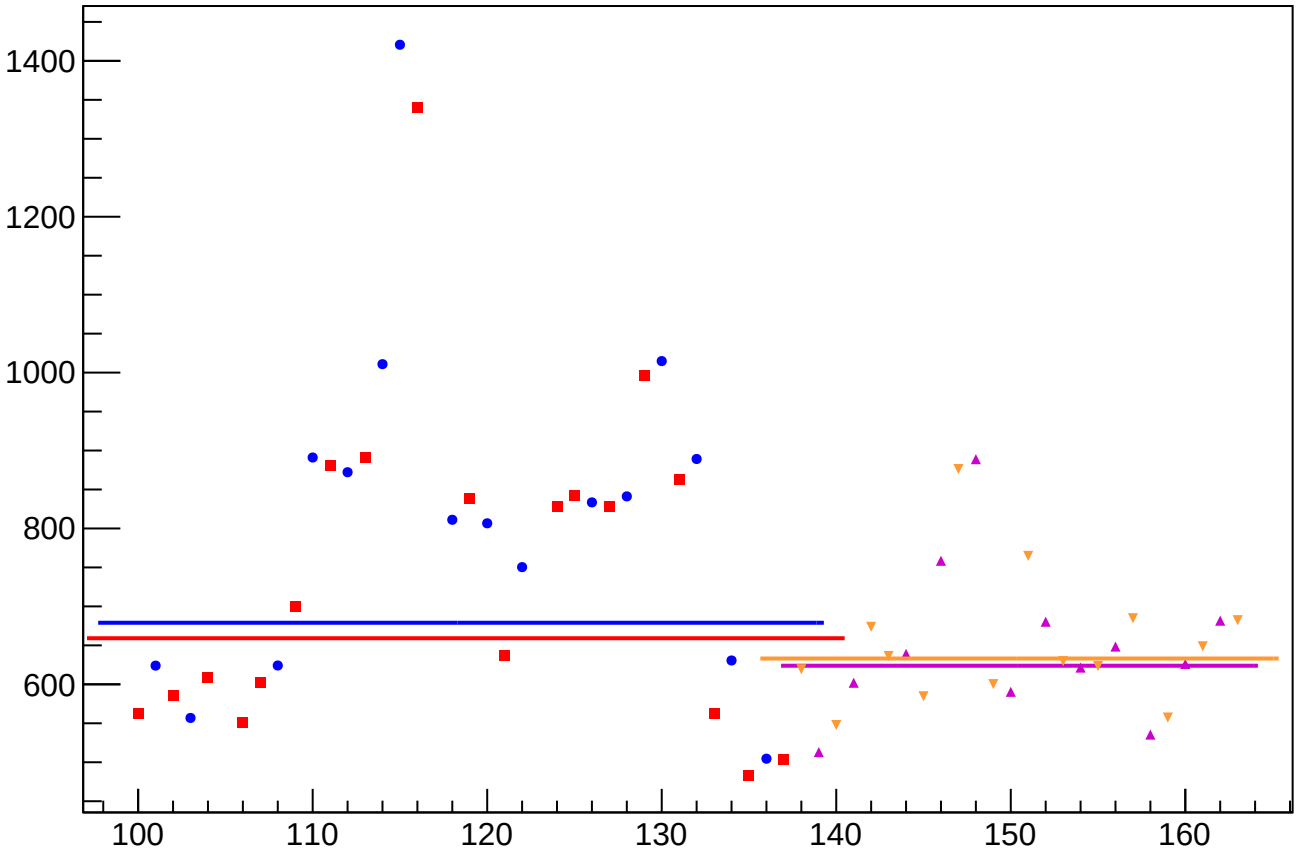
Left: 82.445+/-137.020 χ^2/NDF: 34.1/25

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -185.333+/-156.679 χ^2/NDF:27.7/27

Out: 5.316+/-151.582 χ^2/NDF:35.6/32

All: -86.857+/-108.942 χ^2/NDF: 64.1/60



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 633.113+/-0.135 χ^2/NDF:284139.3/13

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 623.880+/-0.139 χ^2/NDF:360220.1/11

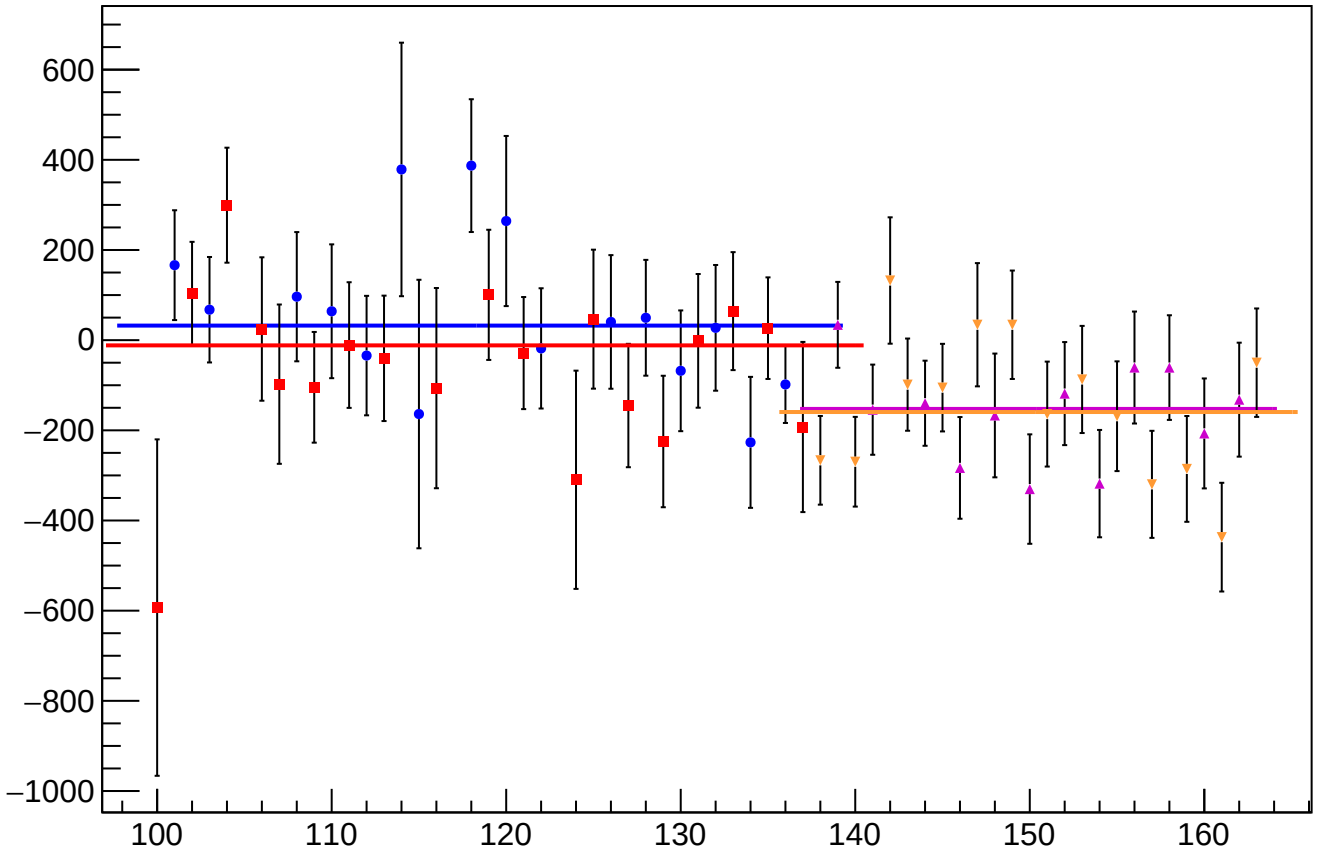
Left: 628.622+/-0.097 χ^2/NDF: 646628.2/25

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 643.945+/-0.111 χ^2/NDF:1185513.7/27

Out: 642.778+/-0.107 χ^2/NDF:1093775.7/32

All: 643.342+/-0.077 χ^2/NDF: 2279346.7/60



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.378+/-30.525 χ^2/NDF:21.5/13

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -152.519+/-32.648 χ^2/NDF:10.8/11

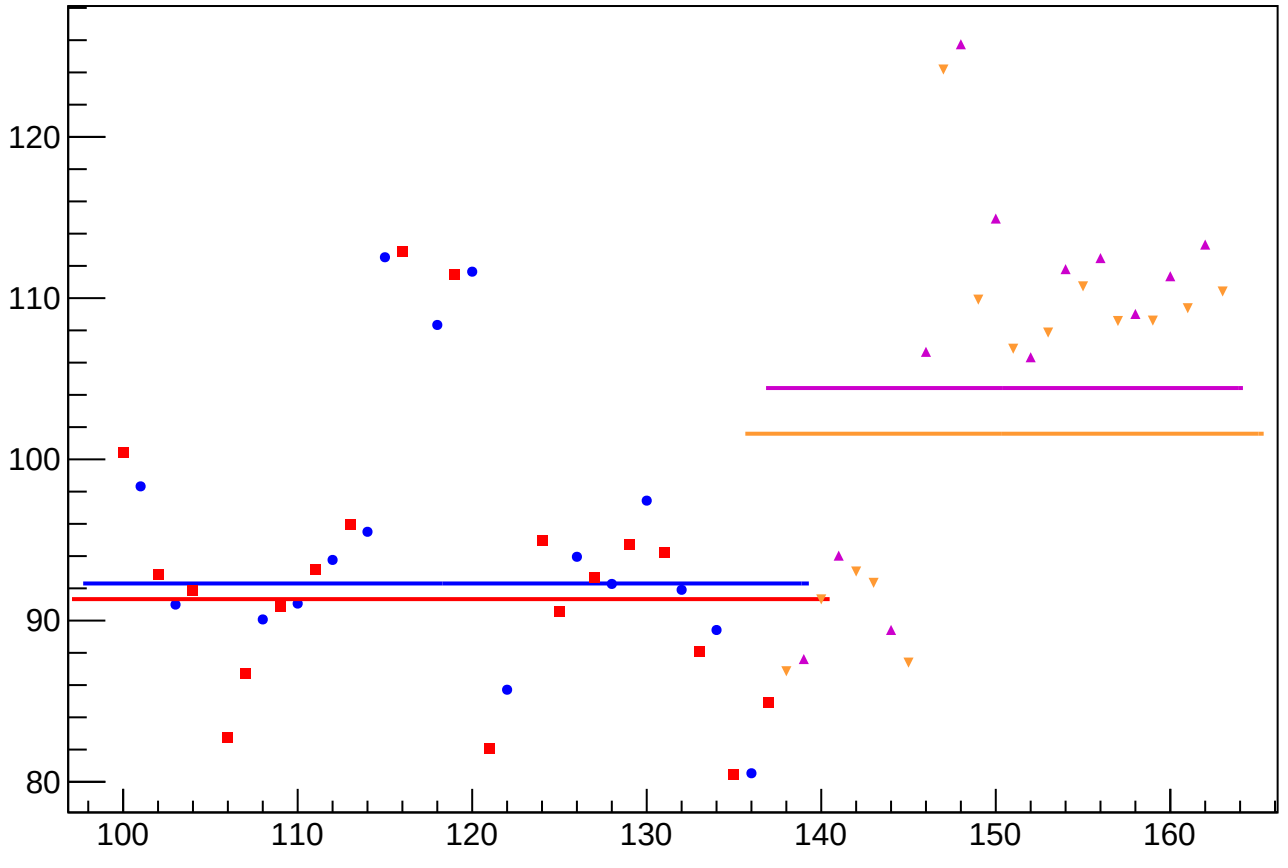
Left: -156.179+/-22.297 χ^2/NDF: 32.3/25

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -65.006+/-23.690 χ^2/NDF:43.3/27

Out: -92.435+/-22.578 χ^2/NDF:49.3/32

All: -79.379+/-16.344 χ^2/NDF: 93.3/60



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.423+/-0.023 χ^2/NDF:234699.5/11

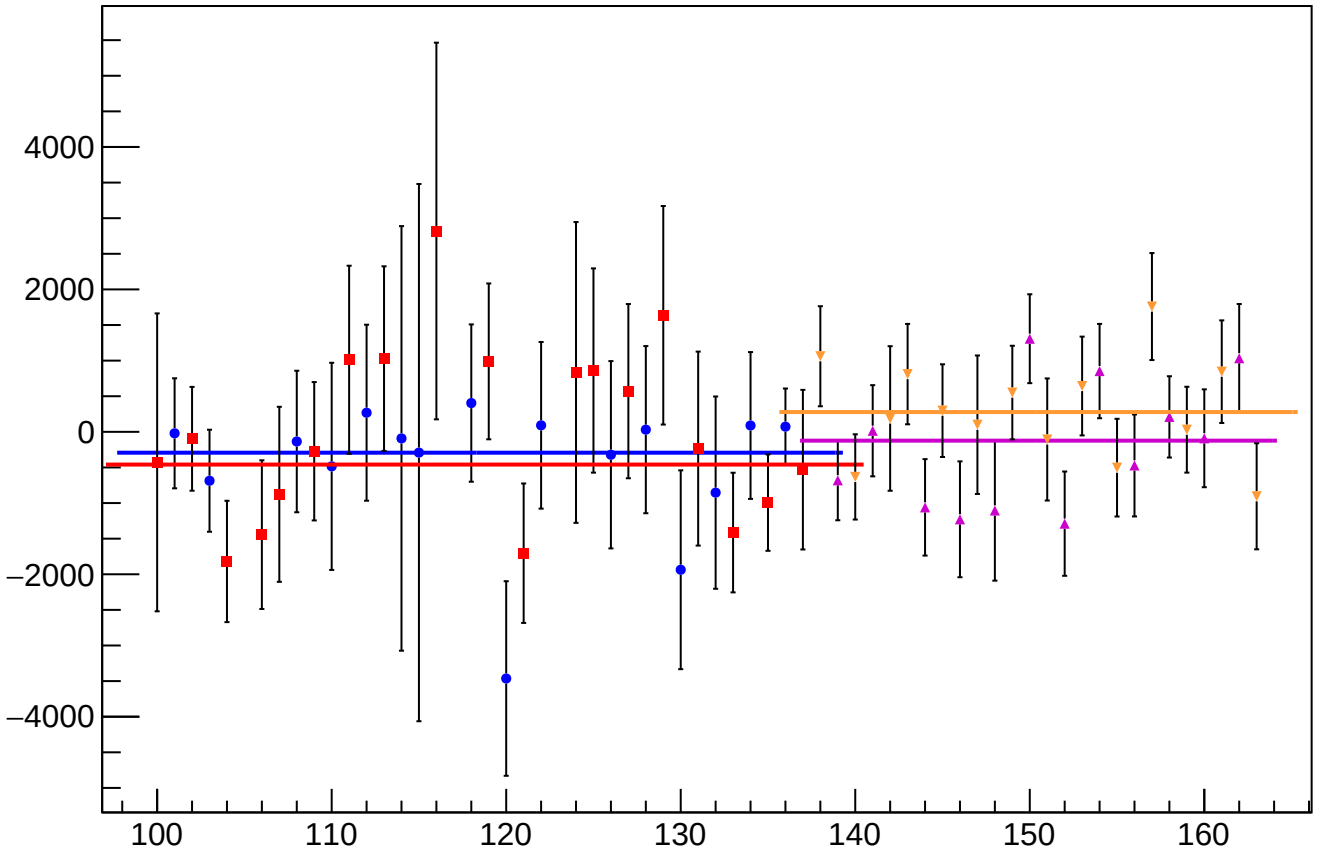
Left: 102.912+/-0.016 χ^2/NDF: 493776.9/25

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 98.684+/-0.017 χ^2/NDF:472288.4/27

Out: 96.945+/-0.016 χ^2/NDF:458285.7/32

All: 97.773+/-0.012 χ^2/NDF: 936226.8/60



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -123.853+/-196.464 χ^2/NDF:18.6/11

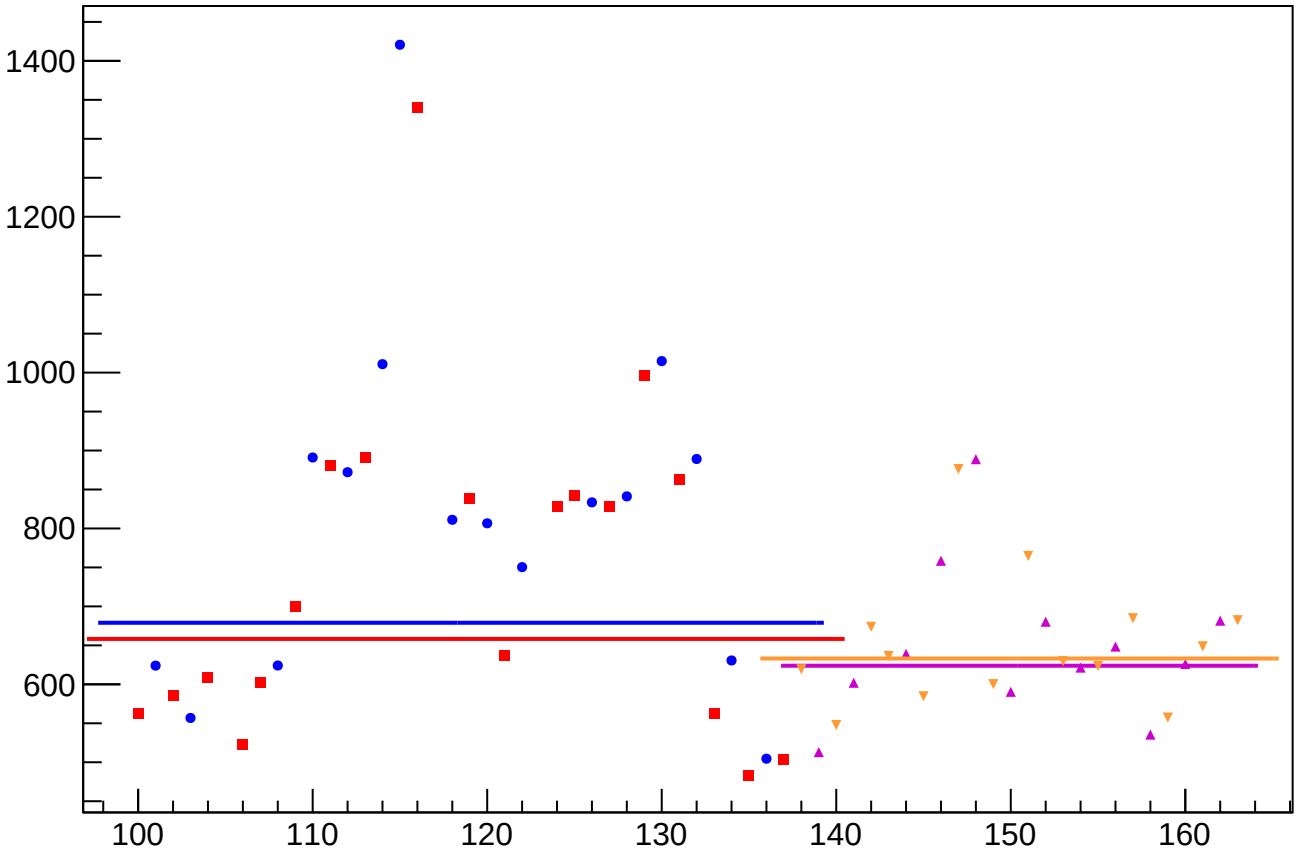
Left: 82.444+/-137.020 χ^2/NDF: 34.1/25

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -185.333+/-156.679 χ^2/NDF:27.7/27

Out: 5.058+/-151.769 χ^2/NDF:35.9/32

All: -87.107+/-109.011 χ^2/NDF: 64.4/60



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 623.880+/-0.139 χ^2/NDF:360219.6/11

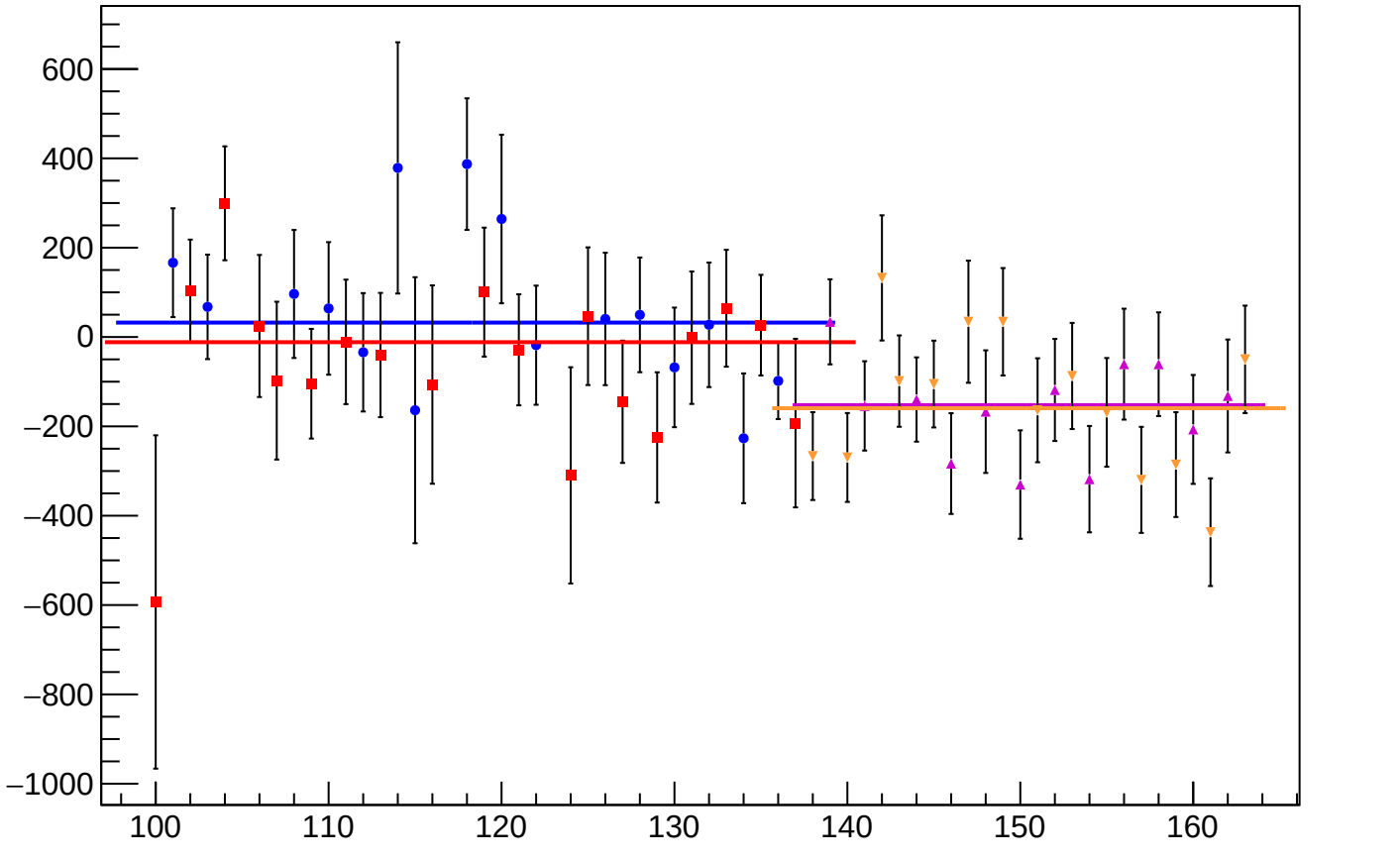
Left: 628.623+/-0.097 χ^2/NDF: 646628.8/25

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.945+/-0.111 χ^2/NDF:1185514.0/27

Out: 642.416+/-0.107 χ^2/NDF:1102837.2/32

All: 643.156+/-0.077 χ^2/NDF: 2288449.5/60



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -159.378+/-30.525 χ^2/NDF:21.5/13

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -152.519+/-32.648 χ^2/NDF:10.8/11

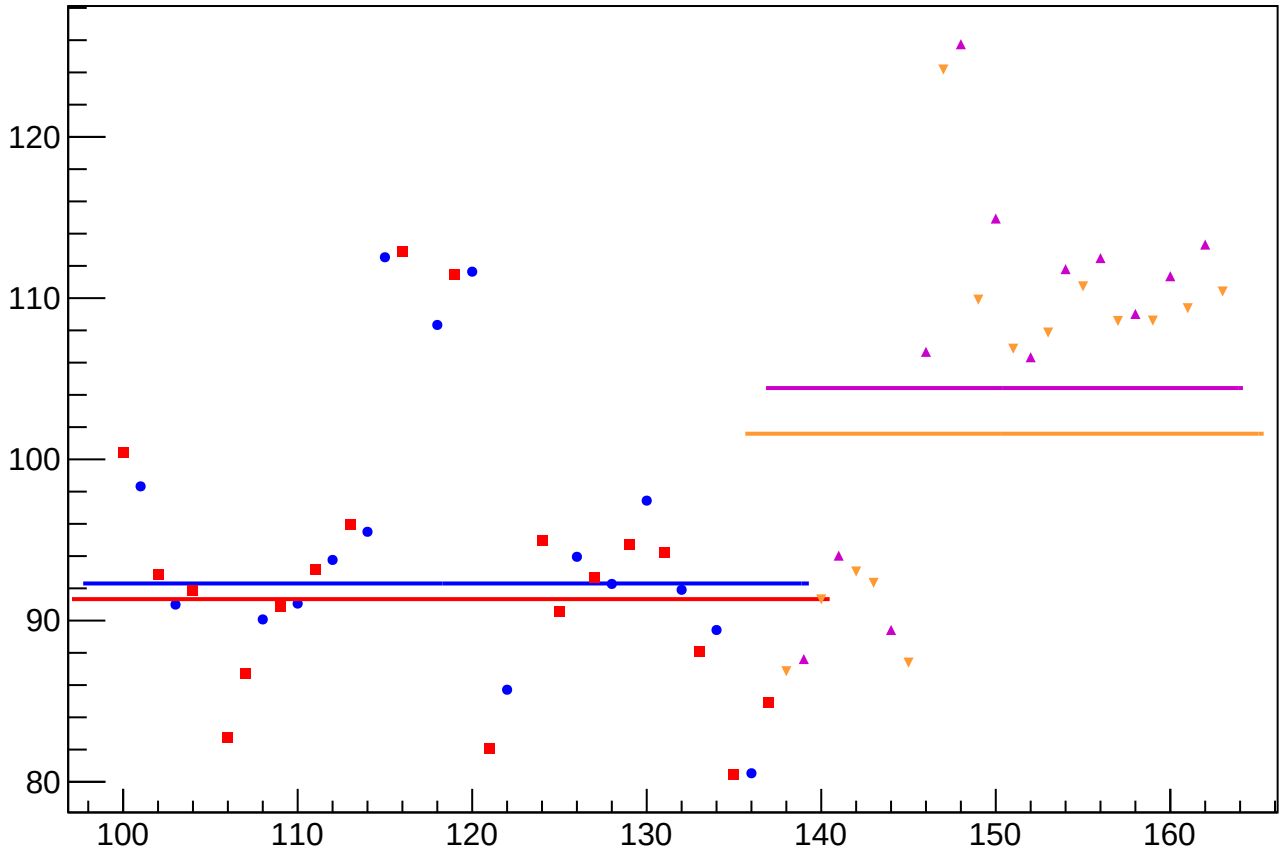
Left: -156.179+/-22.297 χ^2/NDF: 32.3/25

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -65.006+/-23.690 χ^2/NDF:43.3/27

Out: -92.435+/-22.578 χ^2/NDF:49.3/32

All: -79.379+/-16.344 χ^2/NDF: 93.3/60



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 101.591+/-0.022 χ^2/NDF:251046.7/13

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 104.423+/-0.023 χ^2/NDF:234699.5/11

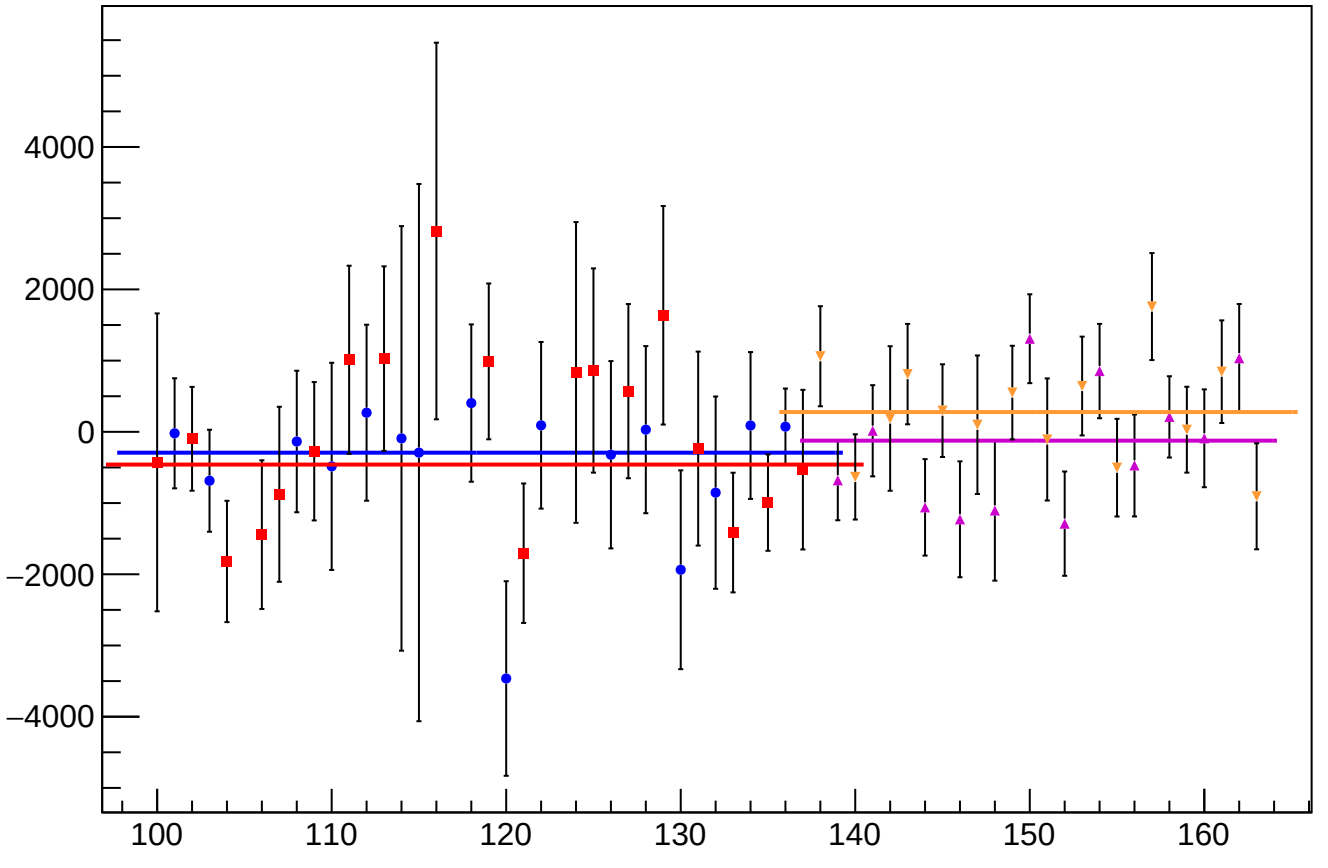
Left: 102.912+/-0.016 χ^2/NDF: 493776.9/25

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 98.684+/-0.017 χ^2/NDF:472288.4/27

Out: 96.945+/-0.016 χ^2/NDF:458285.7/32

All: 97.773+/-0.012 χ^2/NDF: 936226.8/60



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 277.822+/-191.194 χ^2/NDF:13.3/13

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -123.853+/-196.464 χ^2/NDF:18.6/11

Left: 82.444+/-137.020 χ^2/NDF: 34.1/25

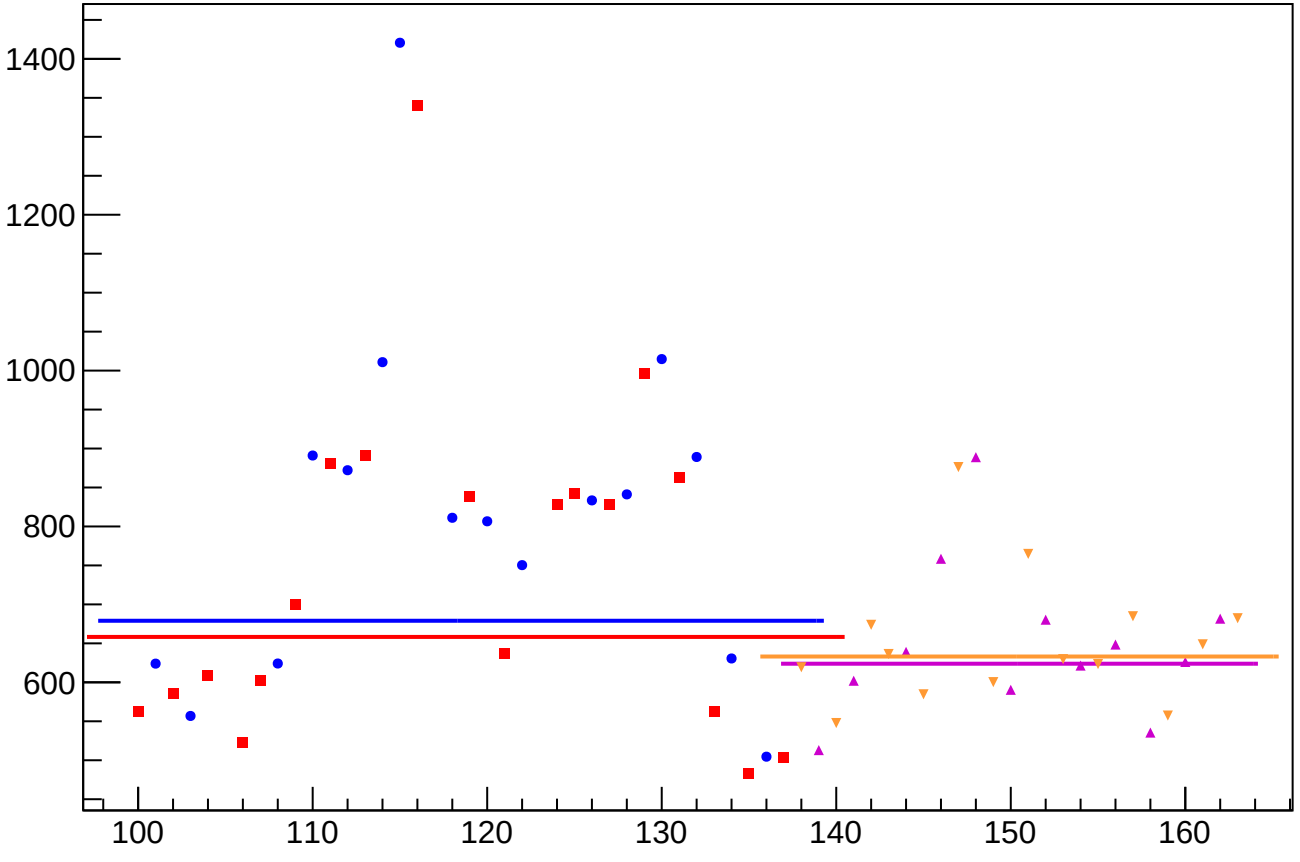
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -185.333+/-156.679 χ^2/NDF:27.7/27

Out: 5.058+/-151.769 χ^2/NDF:35.9/32

All: -87.107+/-109.011 χ^2/NDF: 64.4/60

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: 633.114+/-0.135 χ^2/NDF:284140.3/13

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 623.880+/-0.139 χ^2/NDF:360219.6/11

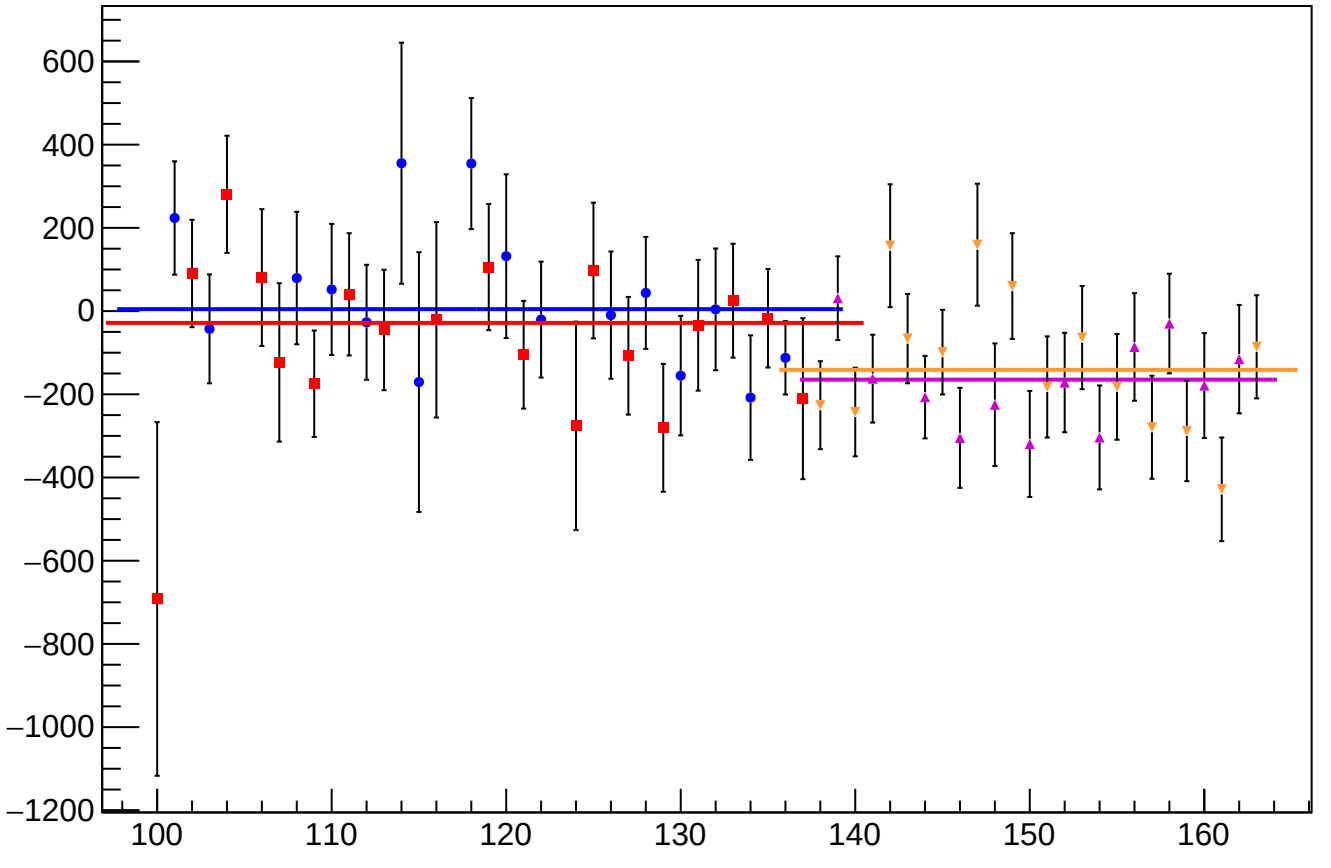
Left: 628.623+/-0.097 χ^2/NDF: 646628.8/25

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 643.945+/-0.111 χ^2/NDF:1185514.0/27

Out: 642.416+/-0.107 χ^2/NDF:1102837.2/32

All: 643.156+/-0.077 χ^2/NDF: 2288449.5/60



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -164.784+/-34.240 χ^2/NDF:10.0/11

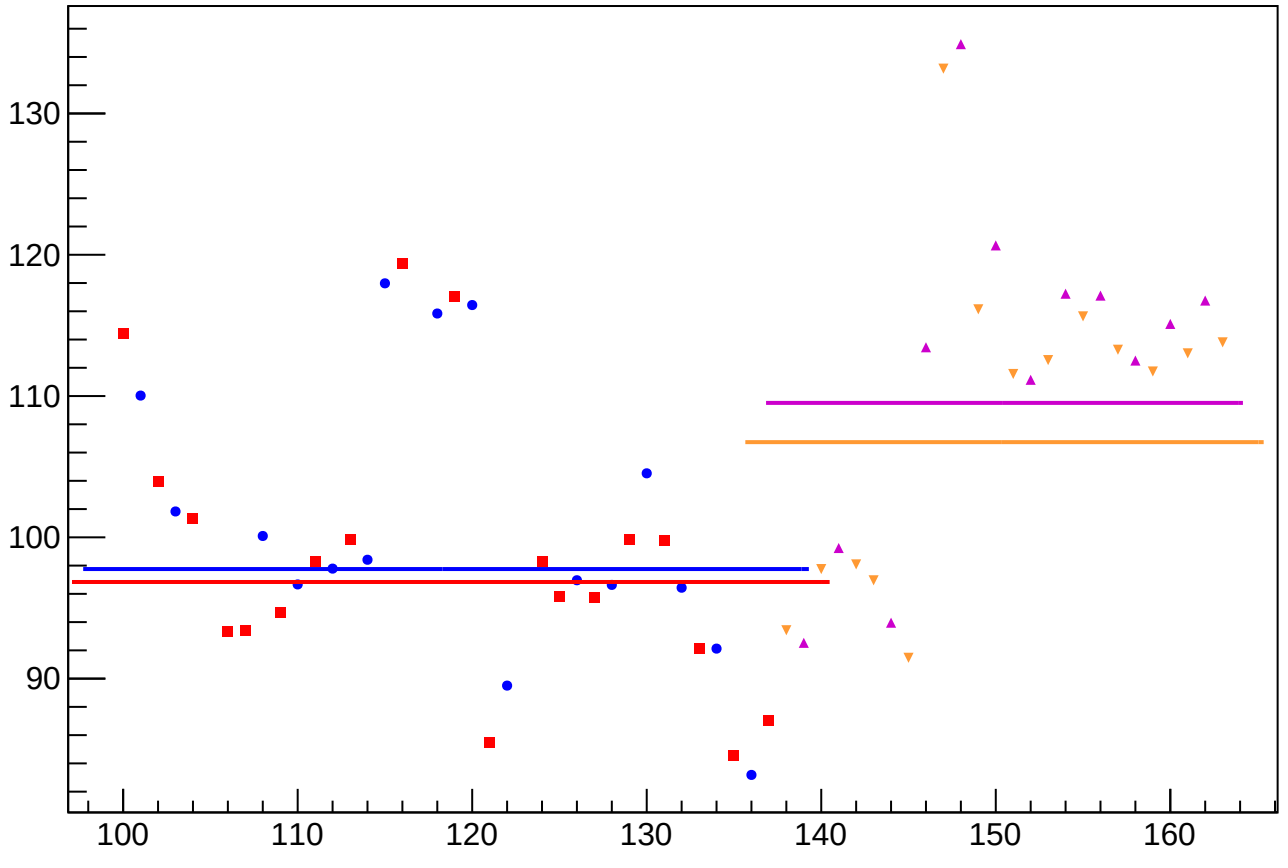
Left: -152.243+/-23.401 χ^2/NDF: 32.1/25

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -85.508+/-24.975 χ^2/NDF:36.8/27

Out: -90.513+/-23.781 χ^2/NDF:44.5/32

All: -88.133+/-17.222 χ^2/NDF: 81.3/60



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 106.738+/-0.023 χ^2/NDF:228341.7/13

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 109.516+/-0.024 χ^2/NDF:228397.9/11

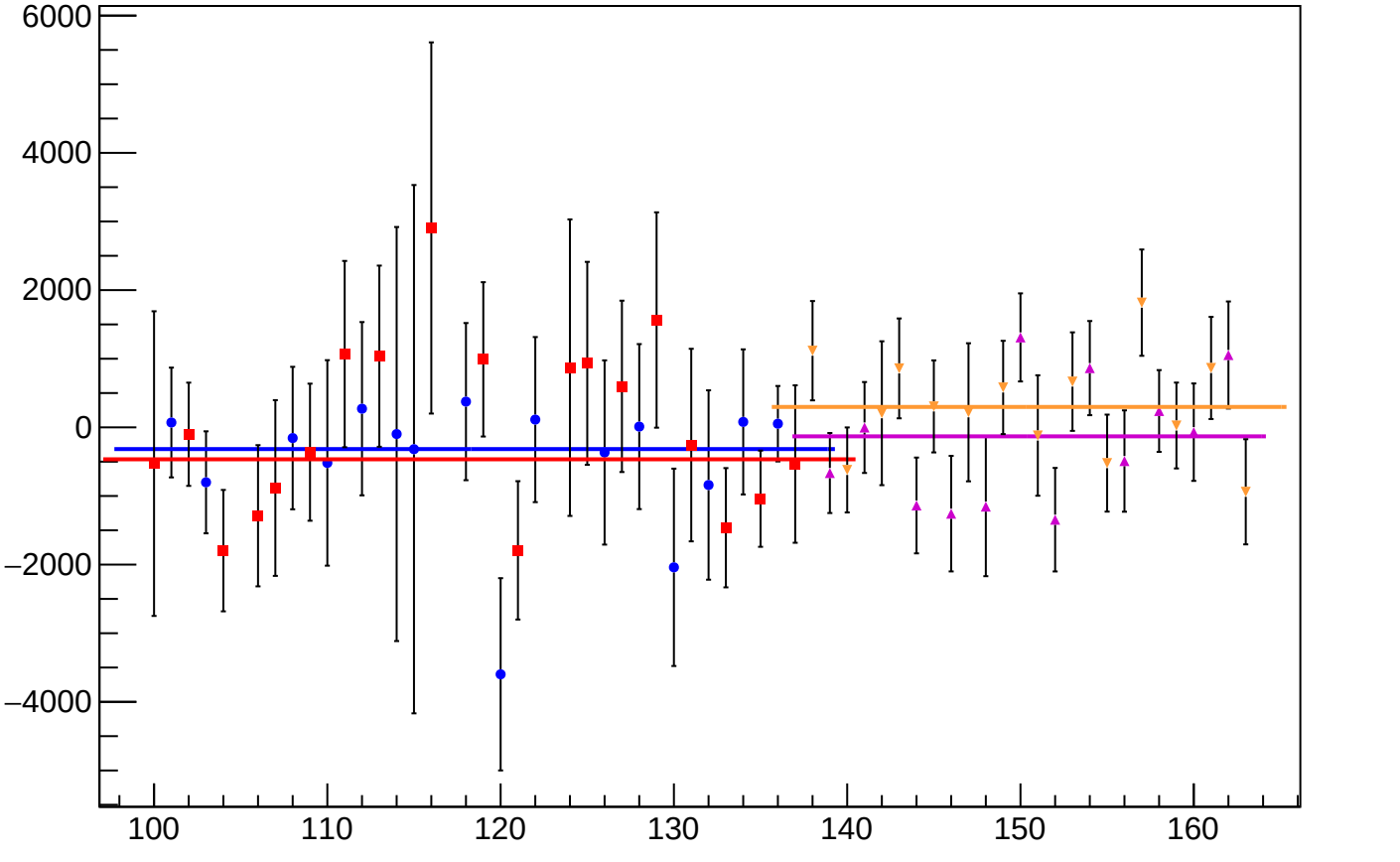
Left: 108.036+/-0.017 χ^2/NDF: 463752.0/25

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 104.012+/-0.018 χ^2/NDF:479448.7/27

Out: 102.287+/-0.017 χ^2/NDF:429261.1/32

All: 103.108+/-0.012 χ^2/NDF: 913713.6/60



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -131.036+/-203.115 χ^2/NDF:18.4/11

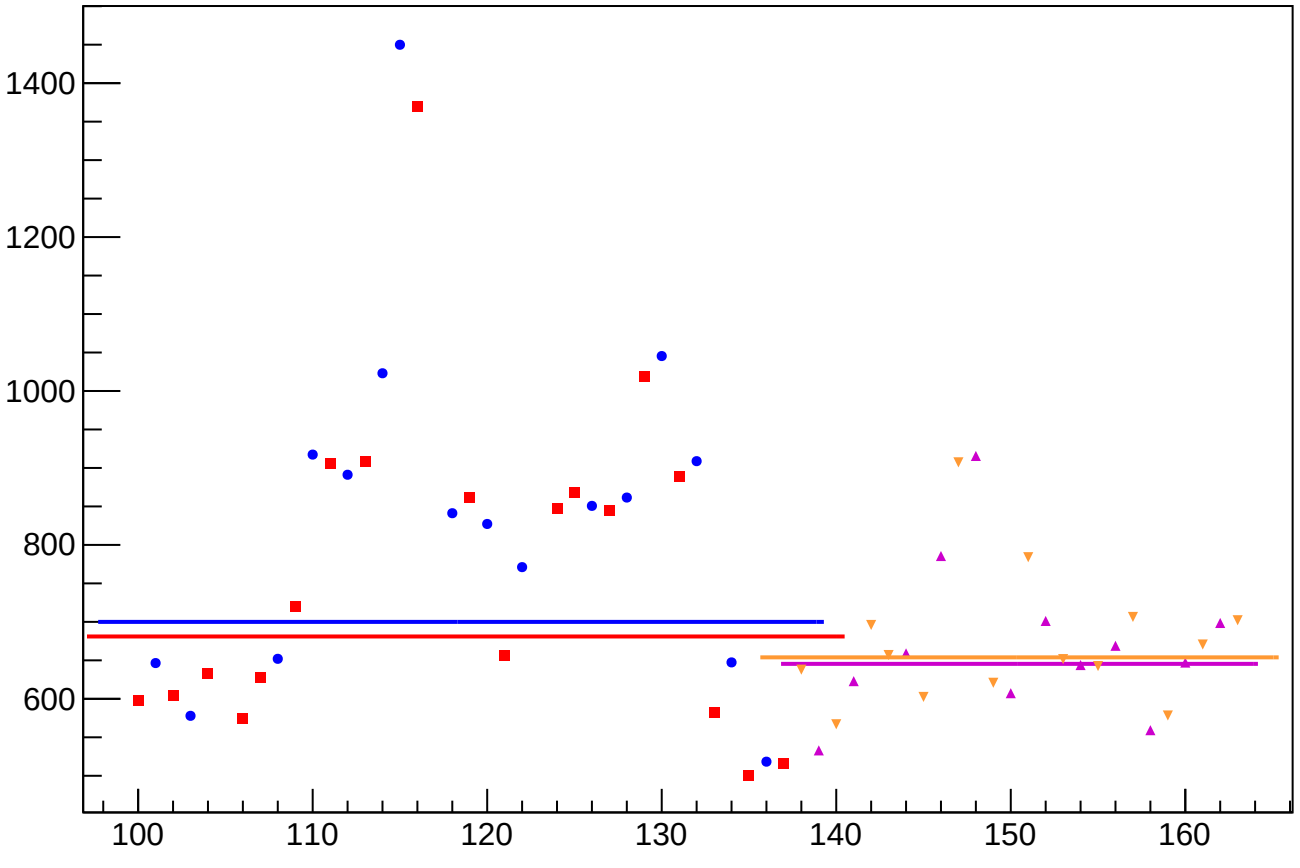
Left: 89.420+/-141.554 χ^2/NDF: 34.1/25

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -198.882+/-161.770 χ^2/NDF:27.9/27

Out: 13.962+/-156.462 χ^2/NDF:35.4/32

All: -88.911+/-112.465 χ^2/NDF: 64.2/60



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 653.883+/-0.140 χ^2/NDF:278803.4/13

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 645.435+/-0.144 χ^2/NDF:345745.4/11

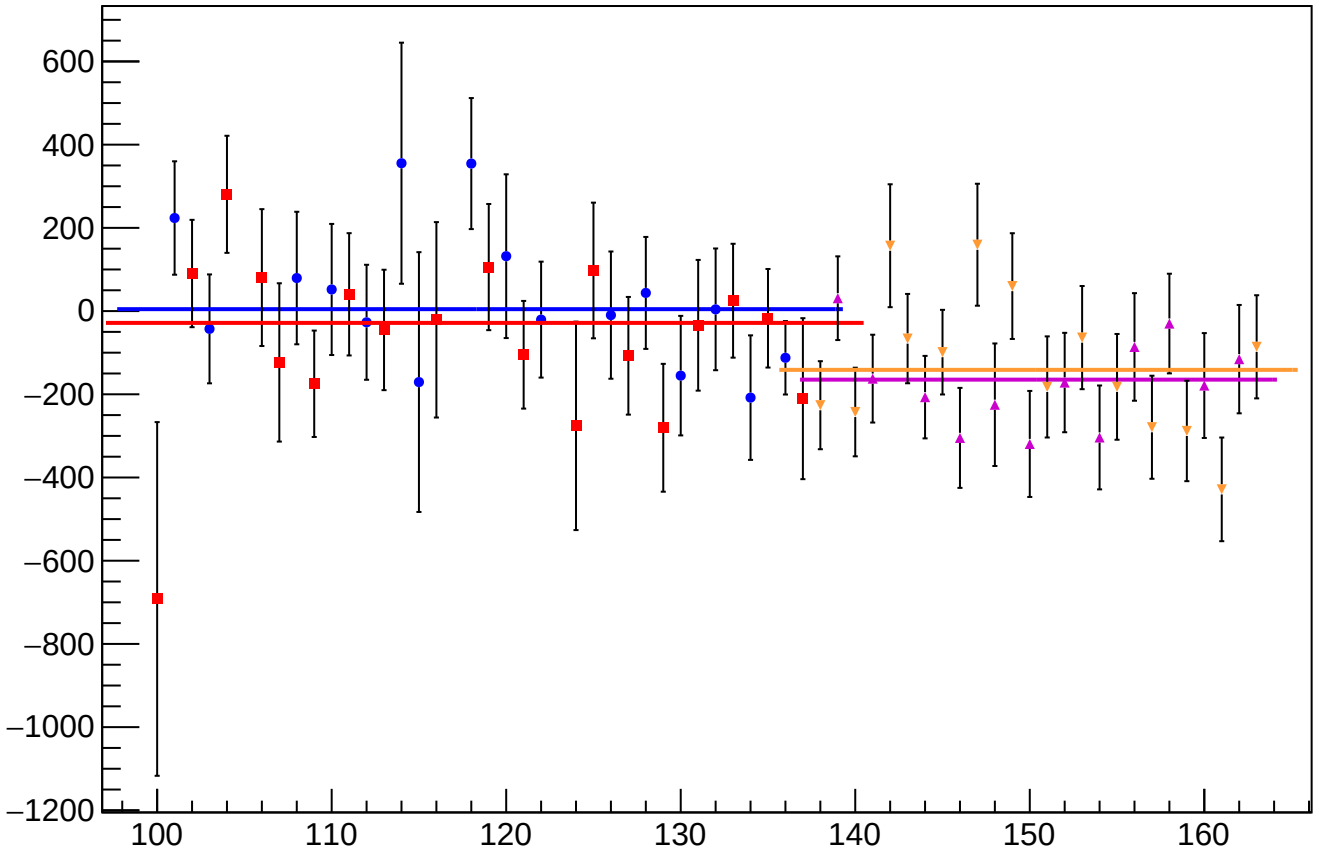
Left: 649.780+/-0.100 χ^2/NDF: 626328.2/25

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 665.378+/-0.114 χ^2/NDF:1152138.8/27

Out: 663.967+/-0.111 χ^2/NDF:1062247.3/32

All: 664.649+/-0.080 χ^2/NDF: 2214464.8/60



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -141.252+/-32.056 χ^2/NDF:21.9/13

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -164.784+/-34.240 χ^2/NDF:10.0/11

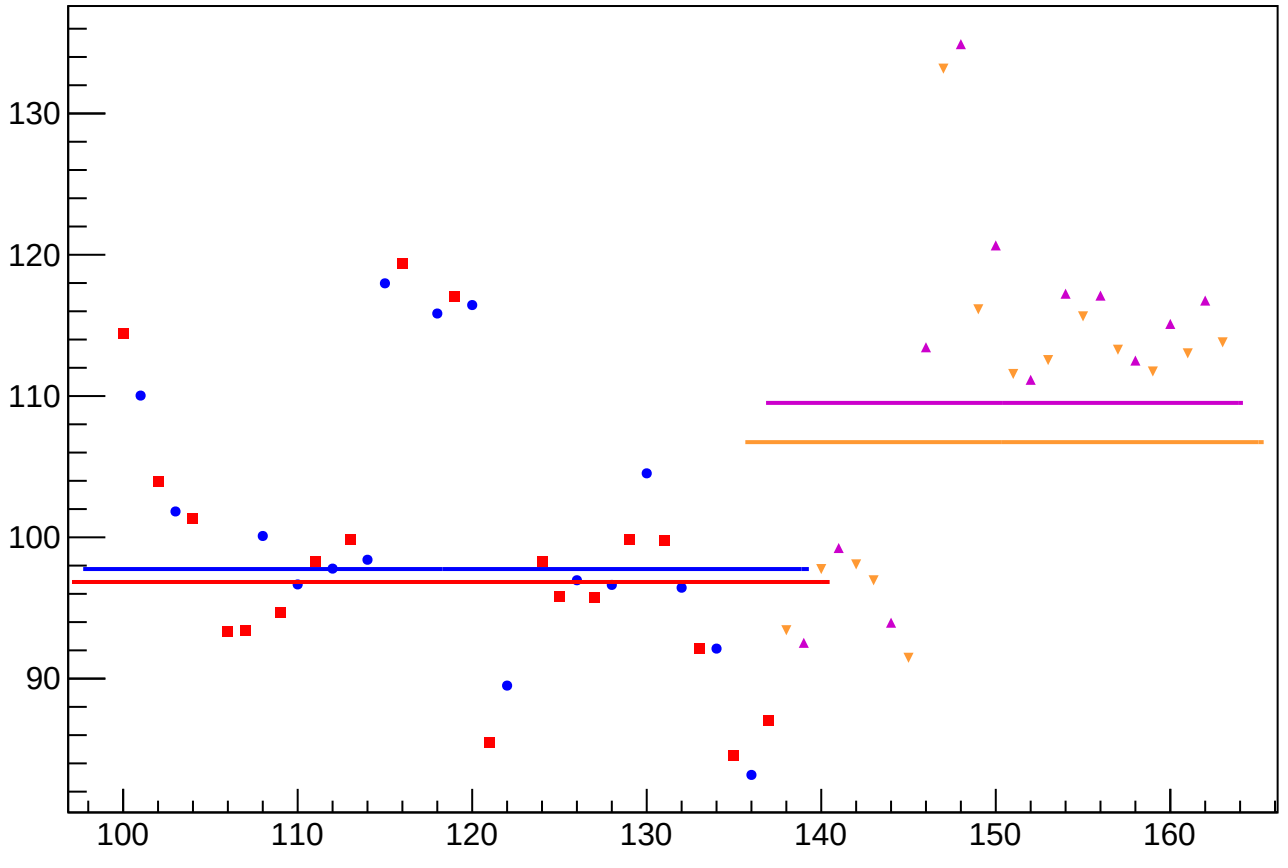
Left: -152.244+/-23.401 χ^2/NDF: 32.1/25

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -85.508+/-24.975 χ^2/NDF:36.8/27

Out: -90.512+/-23.781 χ^2/NDF:44.5/32

All: -88.133+/-17.222 χ^2/NDF: 81.3/60



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 106.738+/-0.023 χ^2/NDF:228341.1/13

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 109.516+/-0.024 χ^2/NDF:228395.7/11

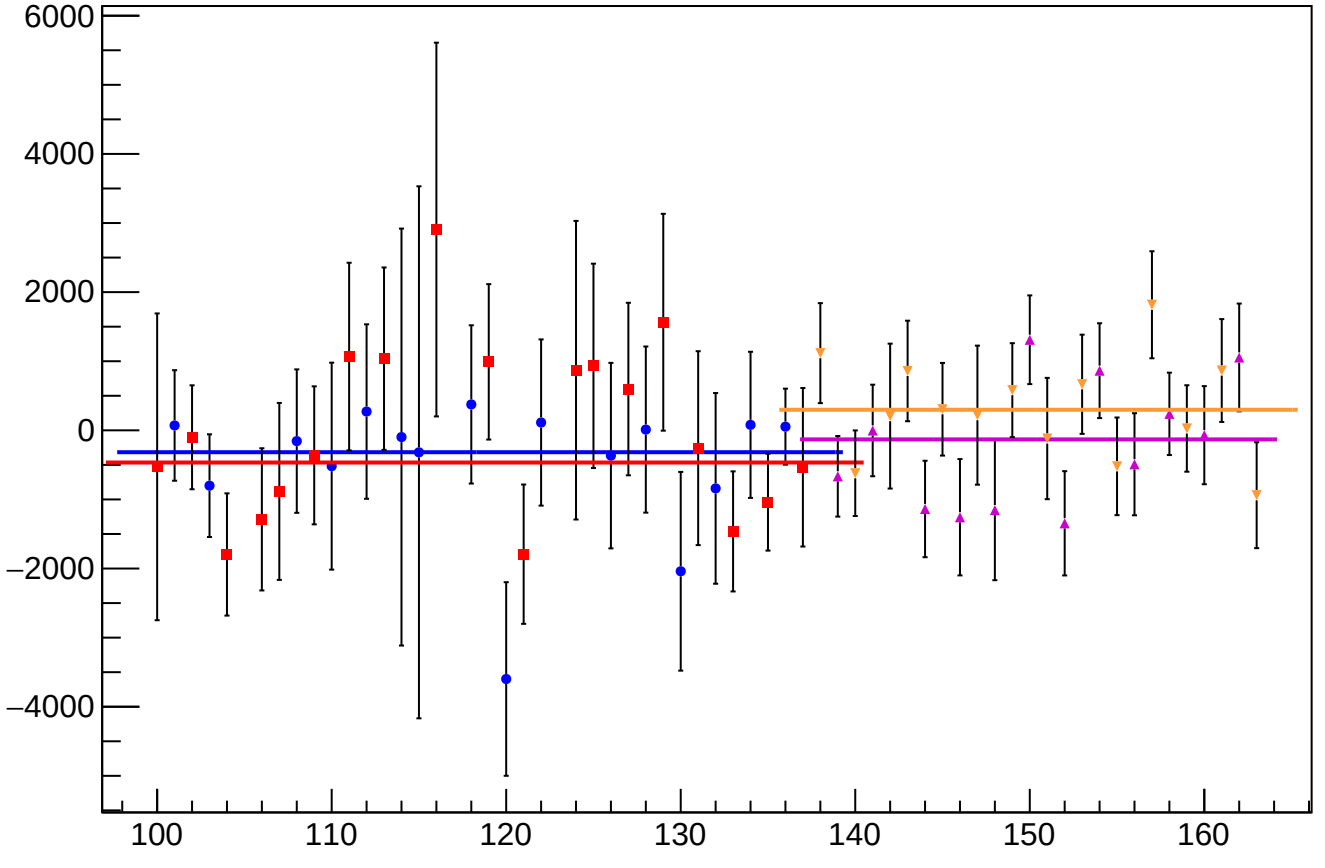
Left: 108.036+/-0.017 χ^2/NDF: 463749.3/25

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 104.012+/-0.018 χ^2/NDF:479454.4/27

Out: 102.287+/-0.017 χ^2/NDF:429269.6/32

All: 103.108+/-0.012 χ^2/NDF: 913728.0/60



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 297.609+/-197.384 χ^2/NDF:13.3/13

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -131.036+/-203.115 χ^2/NDF:18.4/11

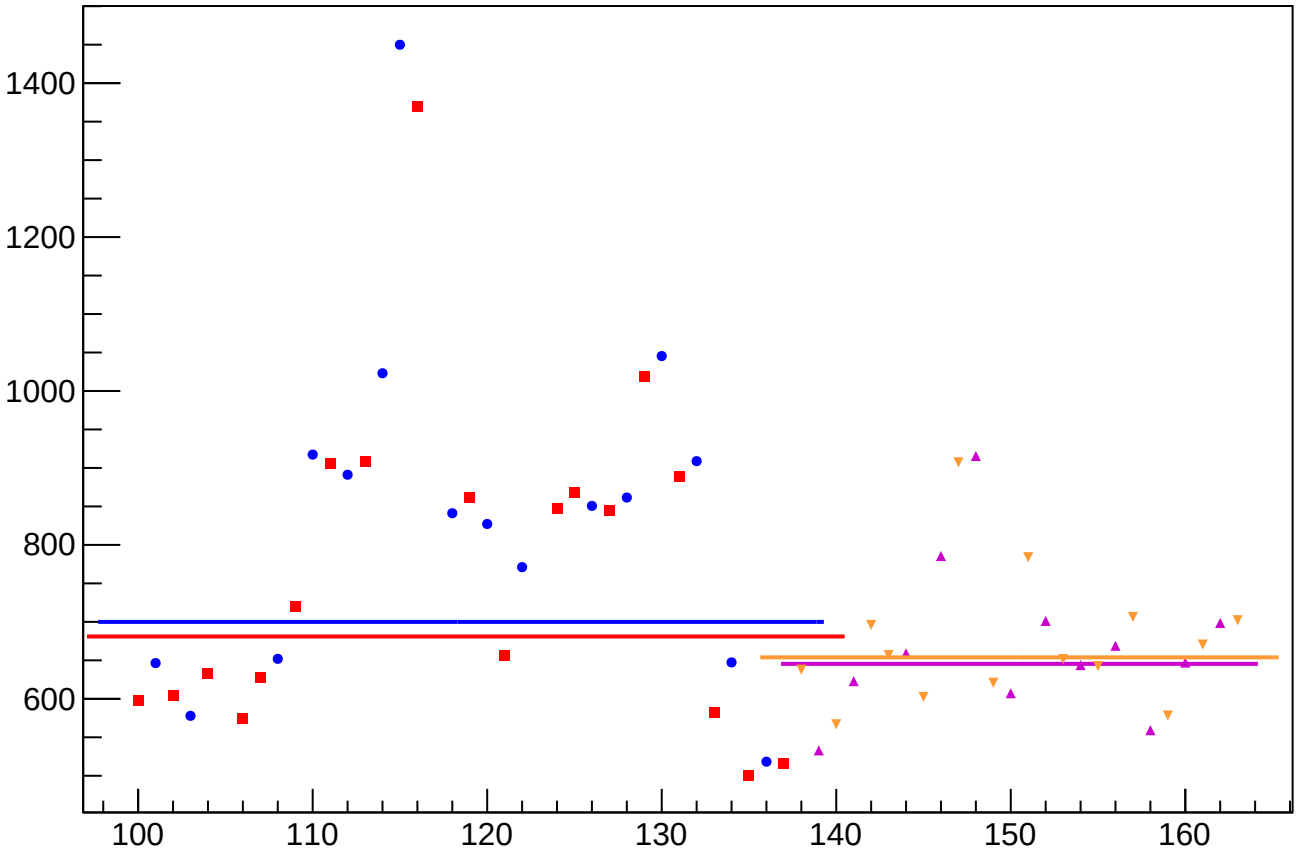
Left: 89.420+/-141.554 χ^2/NDF: 34.1/25

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -198.882+/-161.770 χ^2/NDF:27.9/27

Out: 13.961+/-156.462 χ^2/NDF:35.4/32

All: -88.911+/-112.465 χ^2/NDF: 64.2/60



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 653.884+/-0.140 χ^2/NDF:278803.9/13

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 645.435+/-0.144 χ^2/NDF:345745.7/11

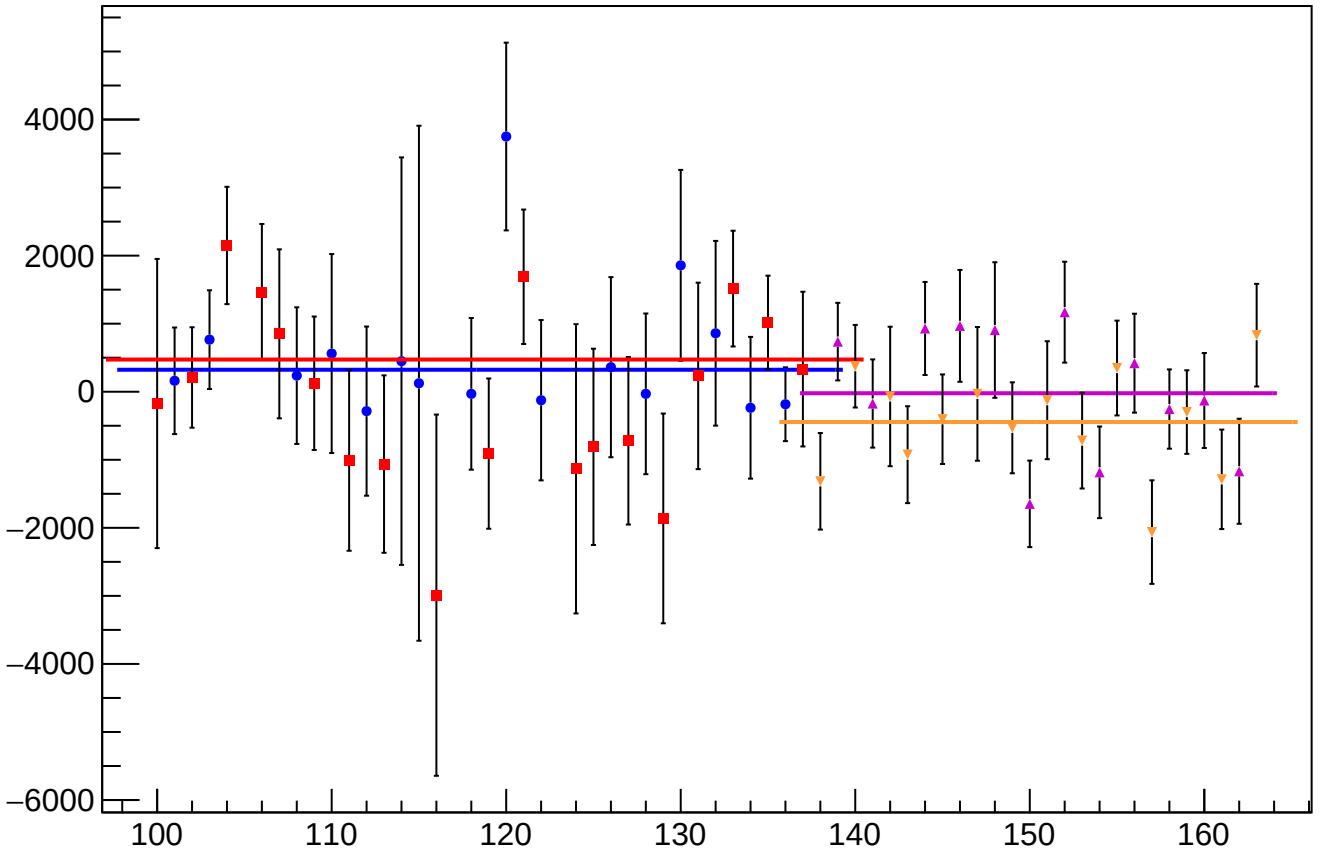
Left: 649.780+/-0.100 χ^2/NDF: 626329.1/25

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 665.378+/-0.114 χ^2/NDF:1152138.1/27

Out: 663.967+/-0.111 χ^2/NDF:1062248.6/32

All: 664.649+/-0.080 χ^2/NDF: 2214465.3/60



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -444.587+/-193.792 χ^2/NDF:14.5/13

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -22.100+/-199.373 χ^2/NDF:20.9/11

Left: -239.339+/-138.963 χ^2/NDF: 37.7/25

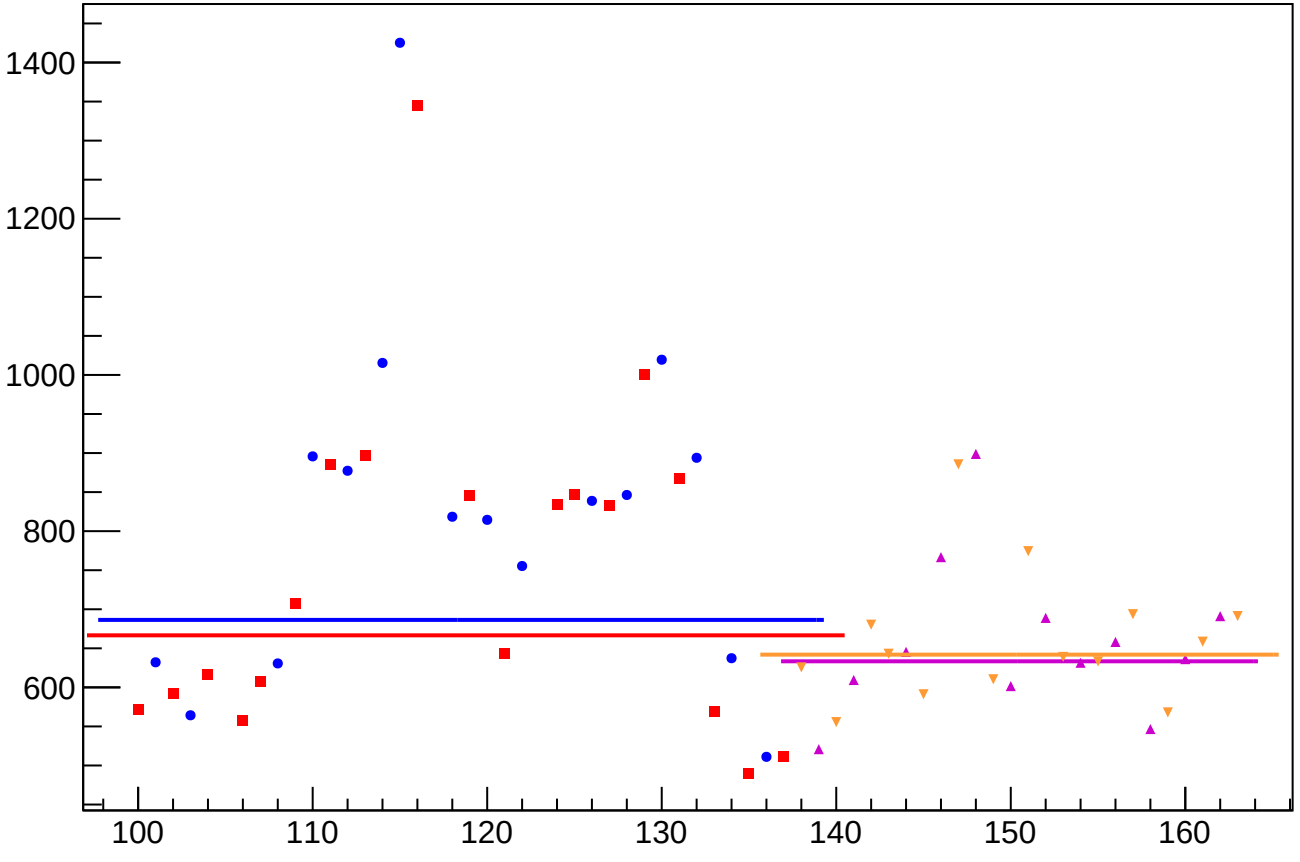
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 104.323+/-158.733 χ^2/NDF:31.8/27

Out: -102.367+/-153.468 χ^2/NDF:42.2/32

All: -2.506+/-110.333 χ^2/NDF: 74.9/60

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 641.925+/-0.137 χ^2/NDF:278669.4/13

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 633.381+/-0.141 χ^2/NDF:350137.7/11

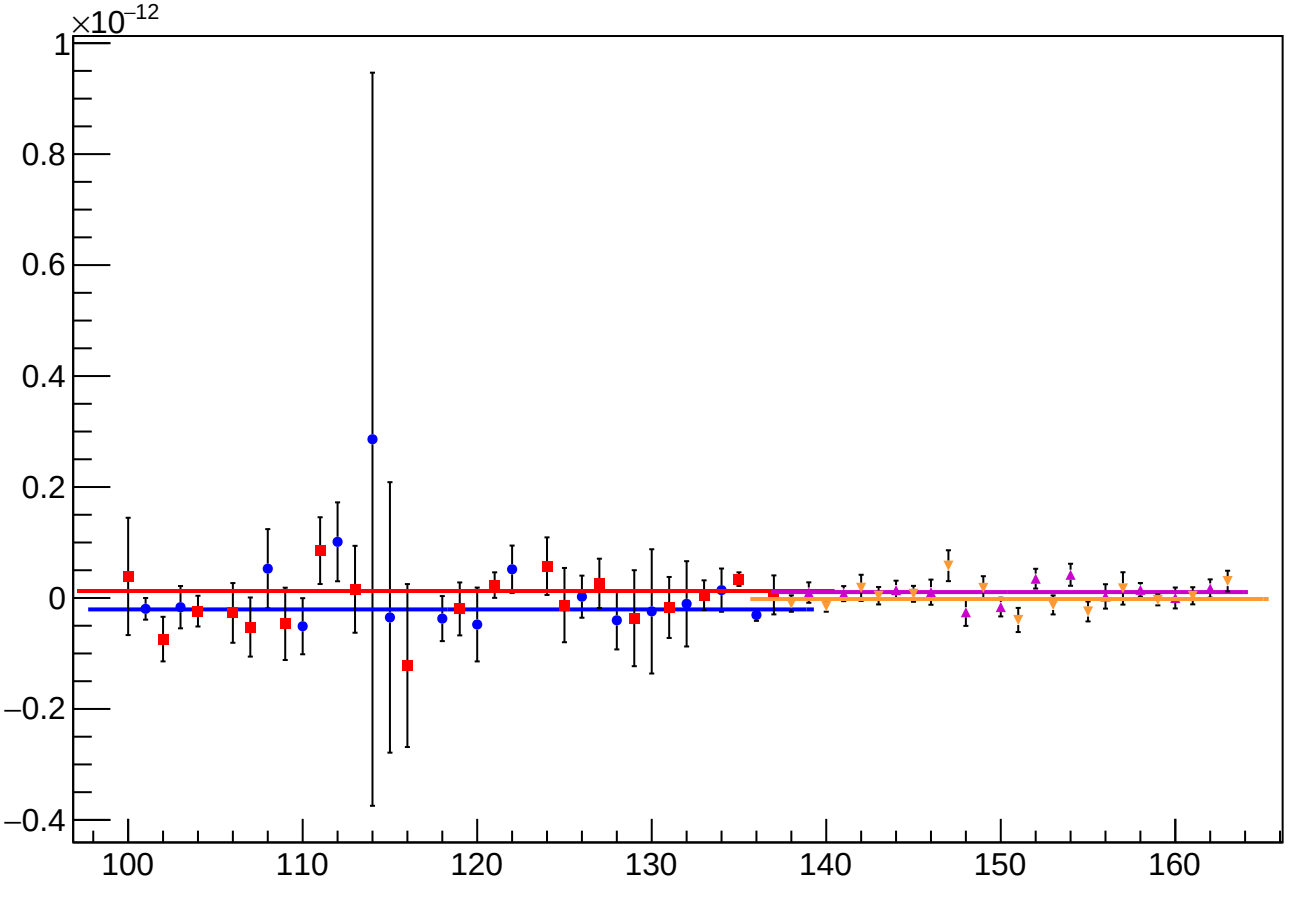
Left: 637.775+/-0.098 χ^2/NDF: 630695.9/25

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 652.791+/-0.112 χ^2/NDF:1151364.3/27

Out: 651.138+/-0.109 χ^2/NDF:1067826.3/32

All: 651.937+/-0.078 χ^2/NDF: 2219302.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/11

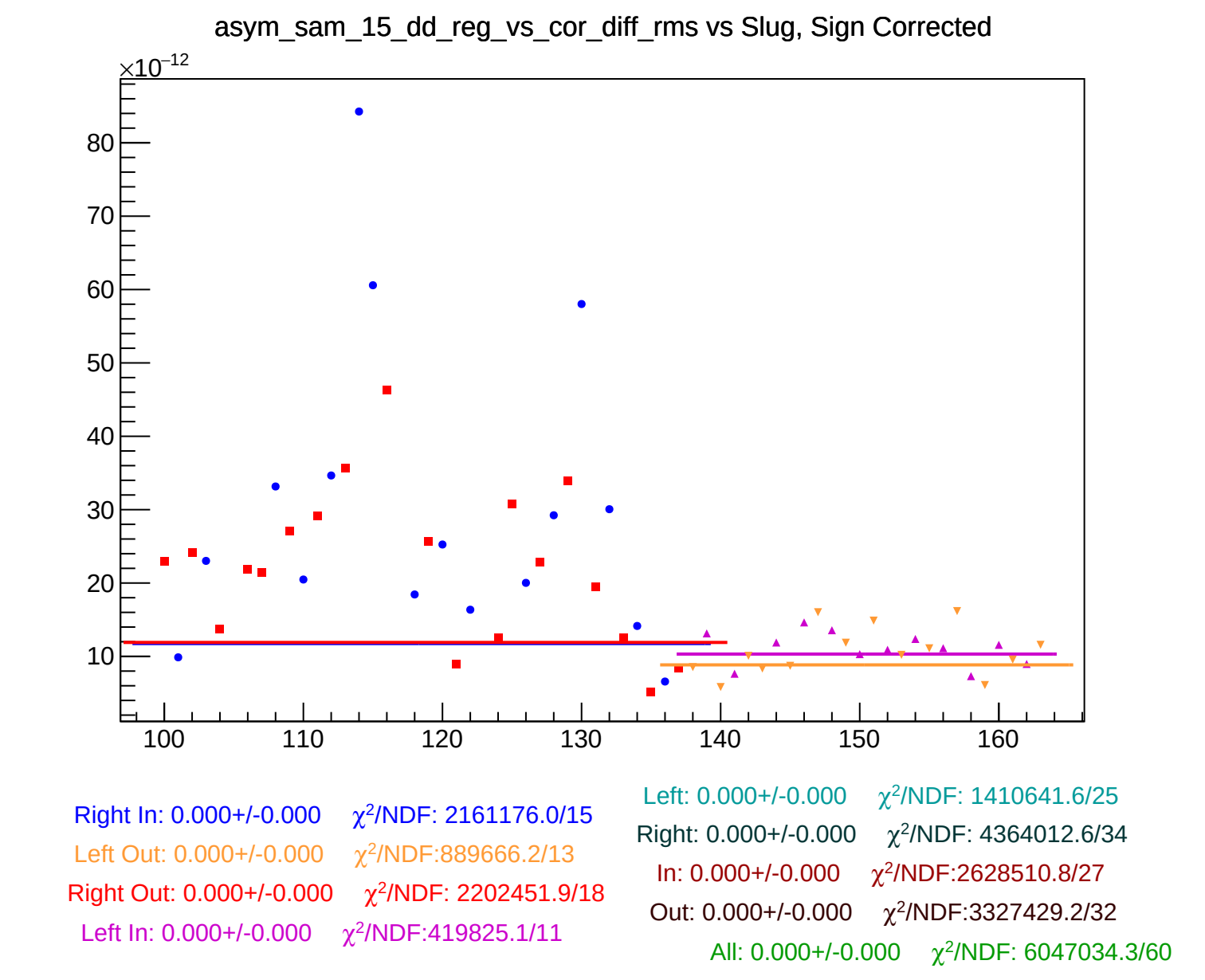
Left: 0.000+/-0.000 χ^2/NDF: 30.9/25

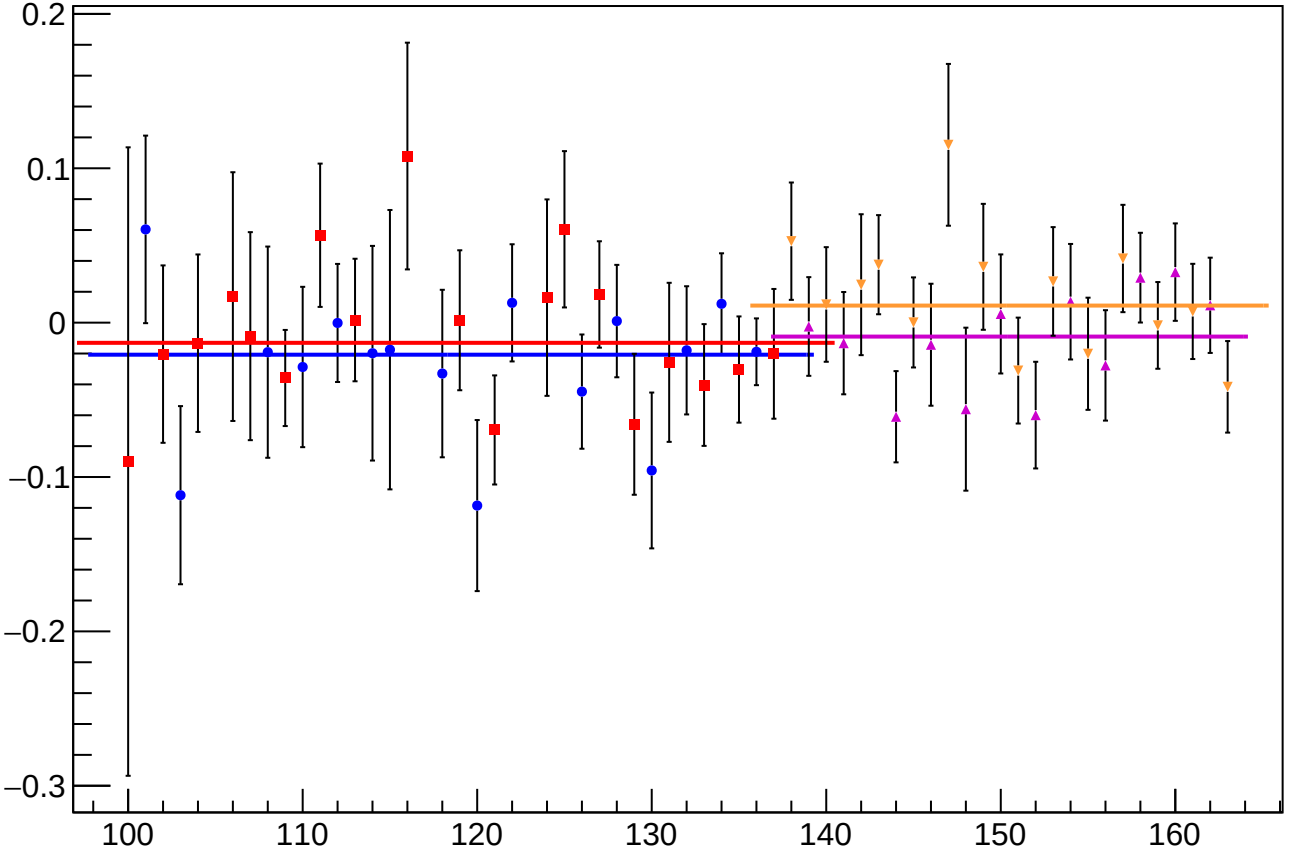
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:31.2/27

Out: 0.000+/-0.000 χ^2/NDF:37.1/32

All: 0.000+/-0.000 χ^2/NDF: 68.3/60


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:889666.2/13
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:419825.1/11
Left: 0.000+/-0.000 χ²/NDF: 1410641.6/25
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2628510.8/27
Out: 0.000+/-0.000 χ²/NDF:3327429.2/32
All: 0.000+/-0.000 χ²/NDF: 6047034.3/60



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.010 χ^2/NDF:10.8/11

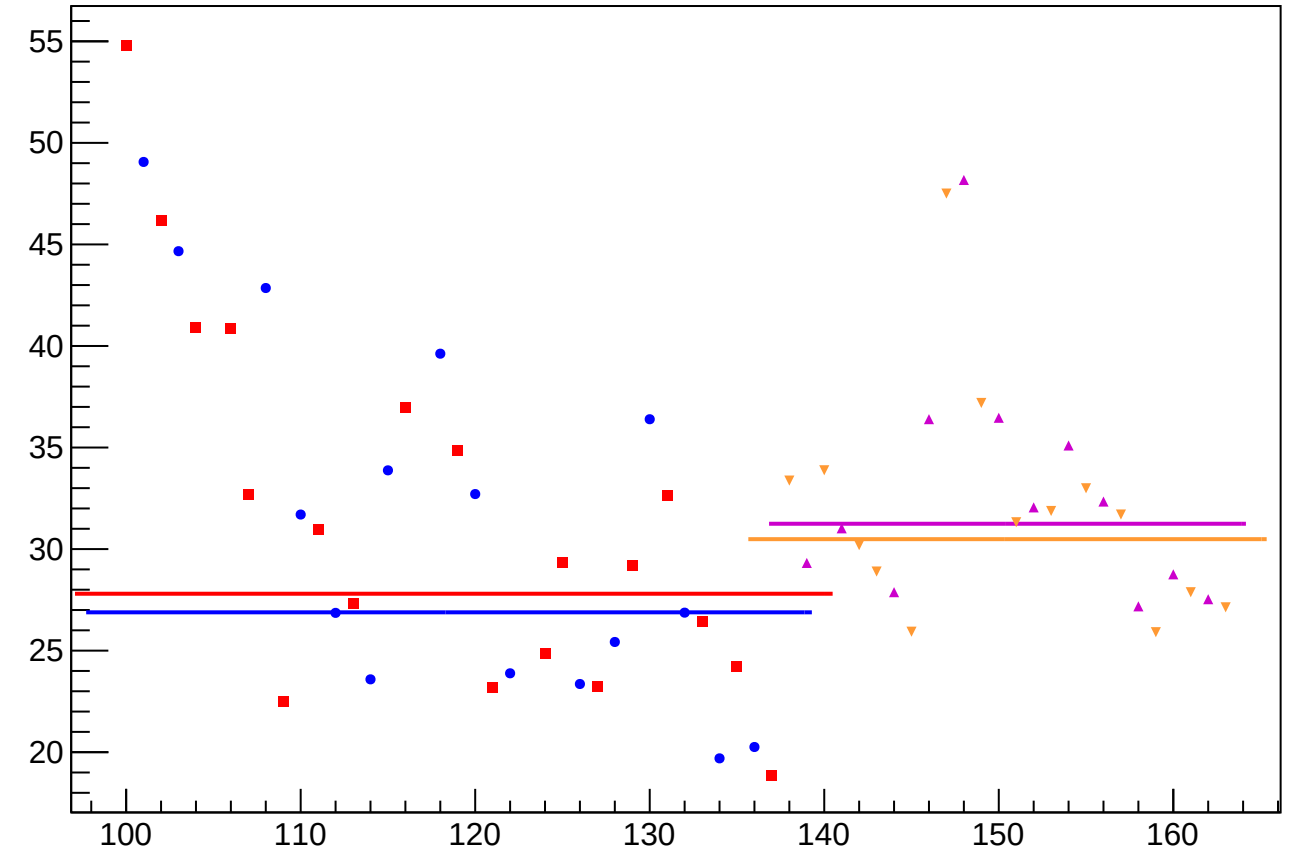
Left: 0.002+/-0.007 χ^2/NDF: 26.0/25

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.0/27

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.2/60



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.489+/-0.007 χ^2/NDF:456296.4/13

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.247+/-0.007 χ^2/NDF:414296.6/11

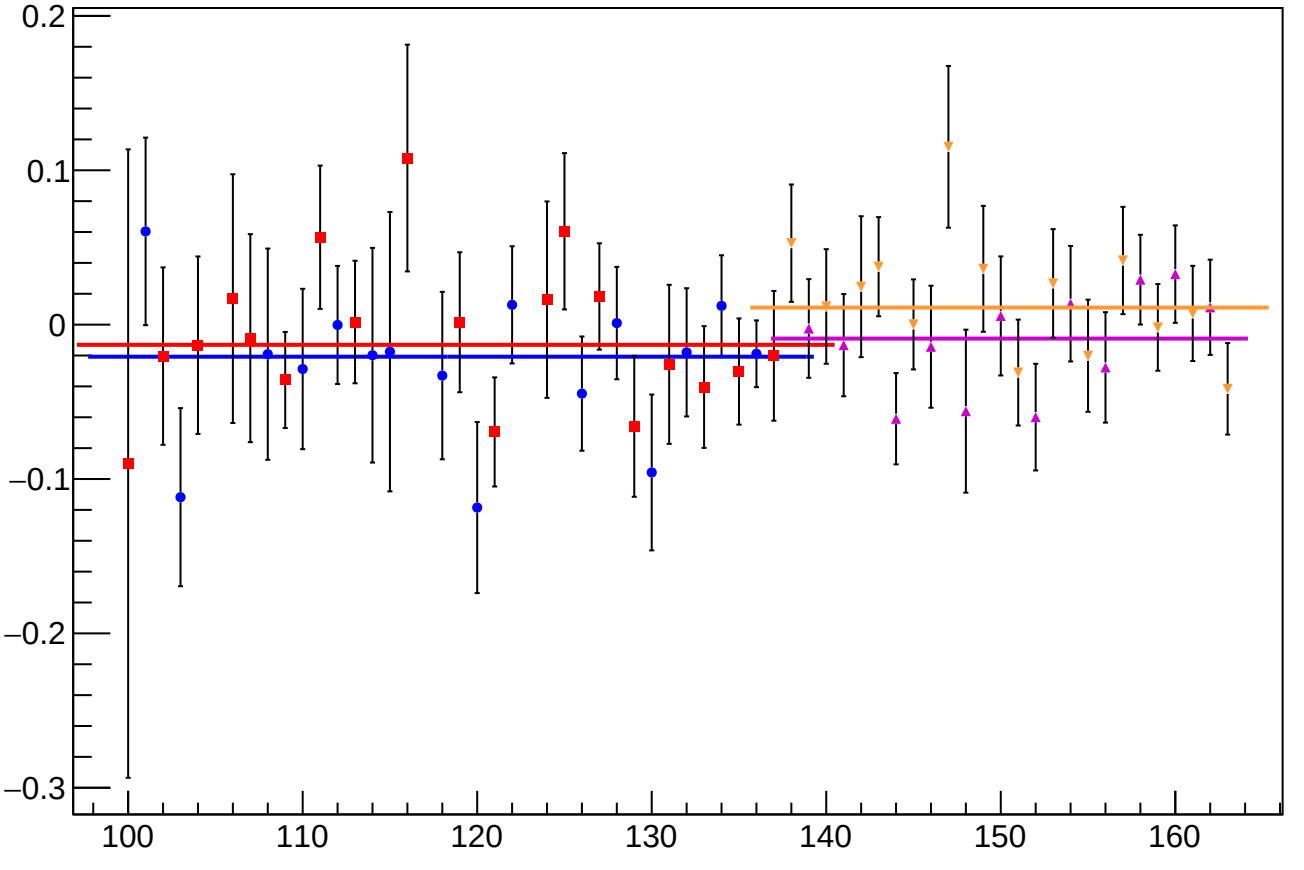
Left: 30.843+/-0.005 χ^2/NDF: 876890.8/25

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.205+/-0.005 χ^2/NDF:1717964.3/27

Out: 29.321+/-0.005 χ^2/NDF:1292864.4/32

All: 29.265+/-0.004 χ^2/NDF: 3011100.0/60



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.010 χ^2/NDF:10.8/11

Left: 0.002+/-0.007 χ^2/NDF: 26.0/25

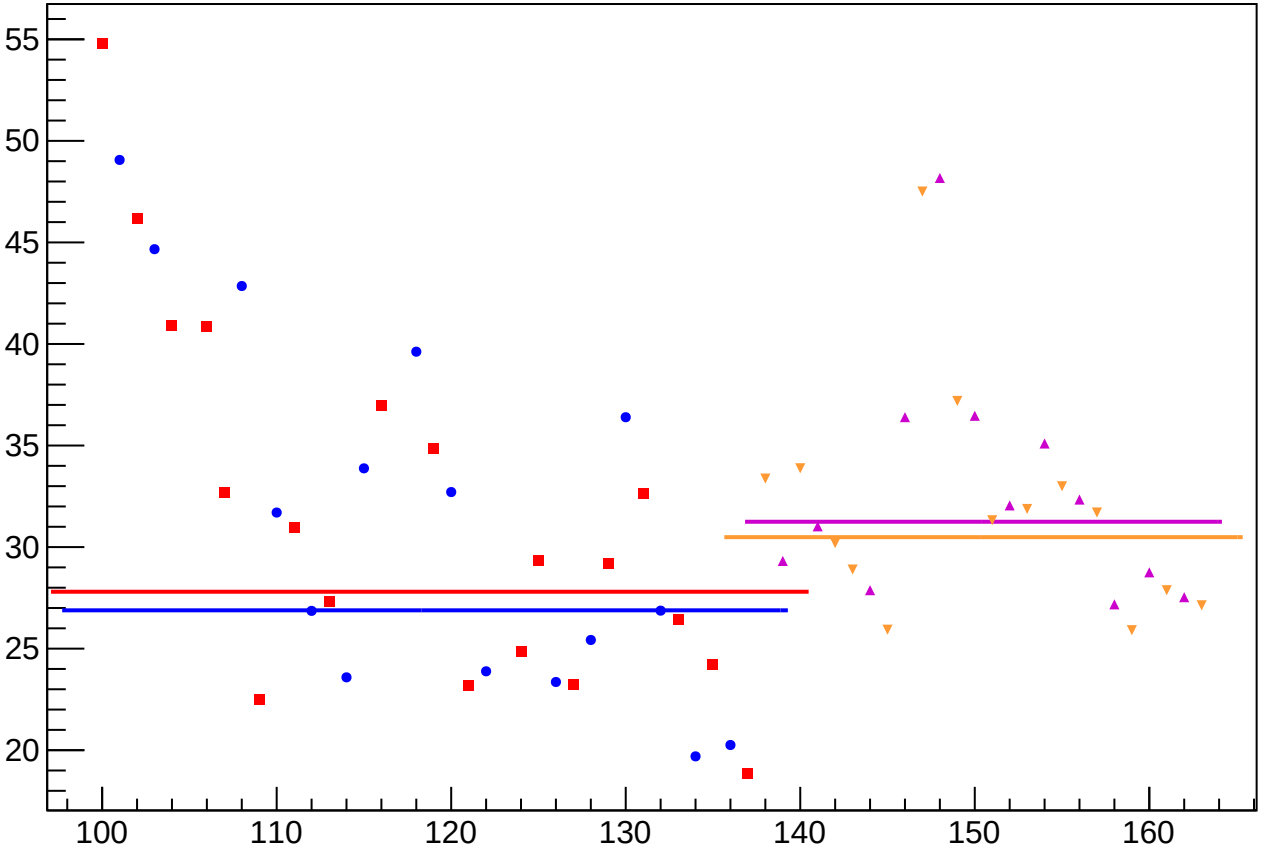
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.0/27

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.2/60

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 30.489+/-0.007 χ^2/NDF:456296.4/13

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.247+/-0.007 χ^2/NDF:414296.6/11

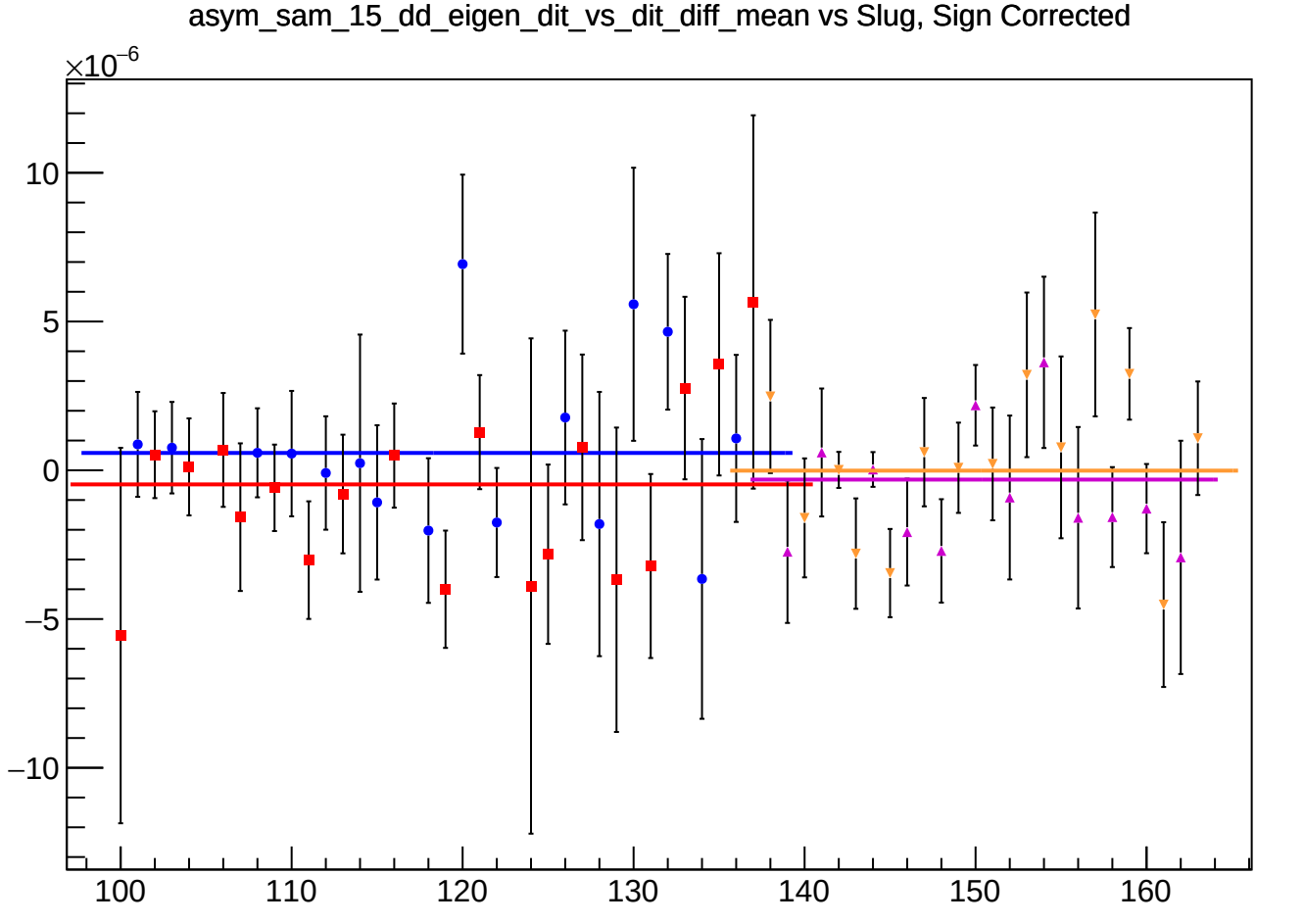
Left: 30.843+/-0.005 χ^2/NDF: 876890.8/25

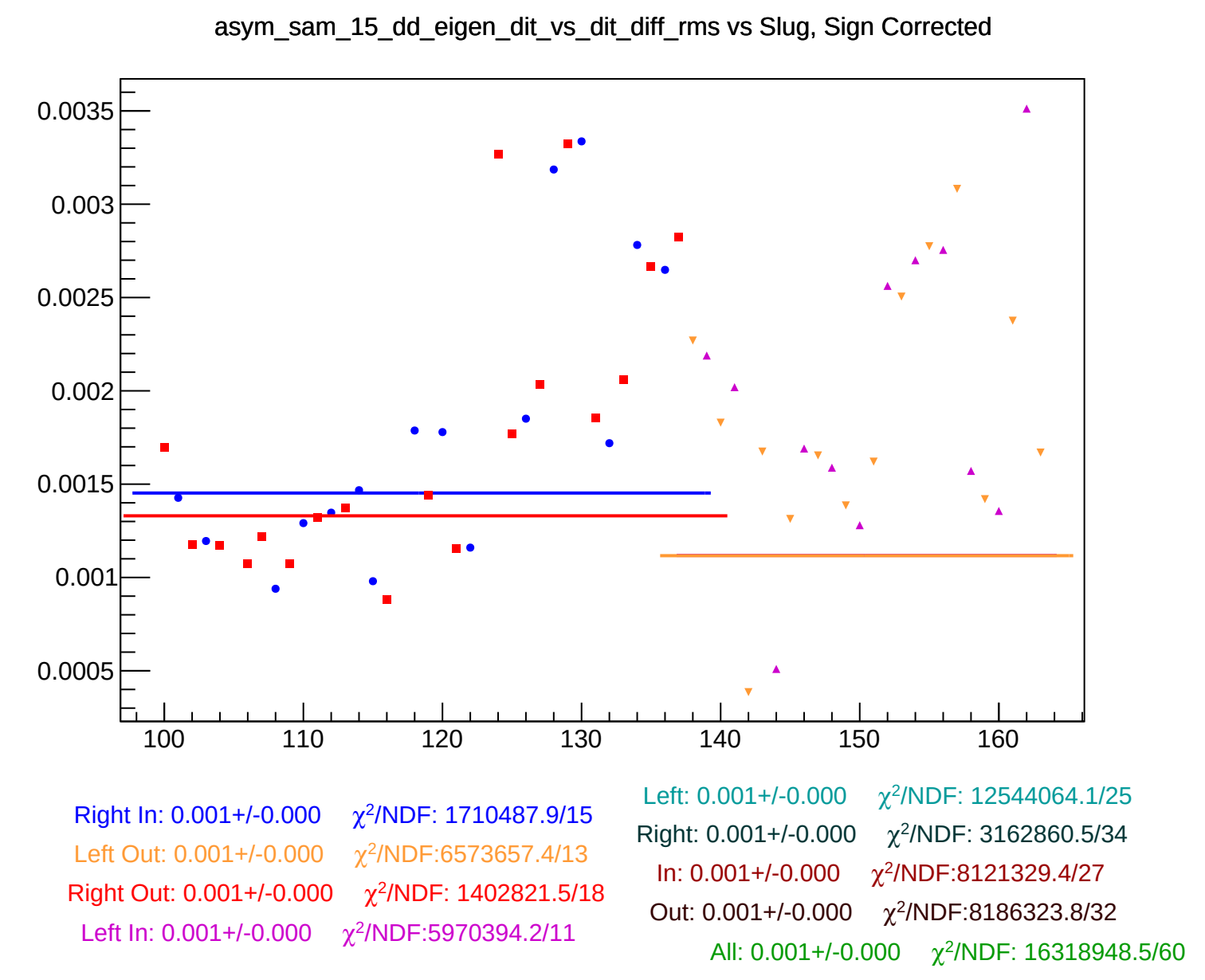
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

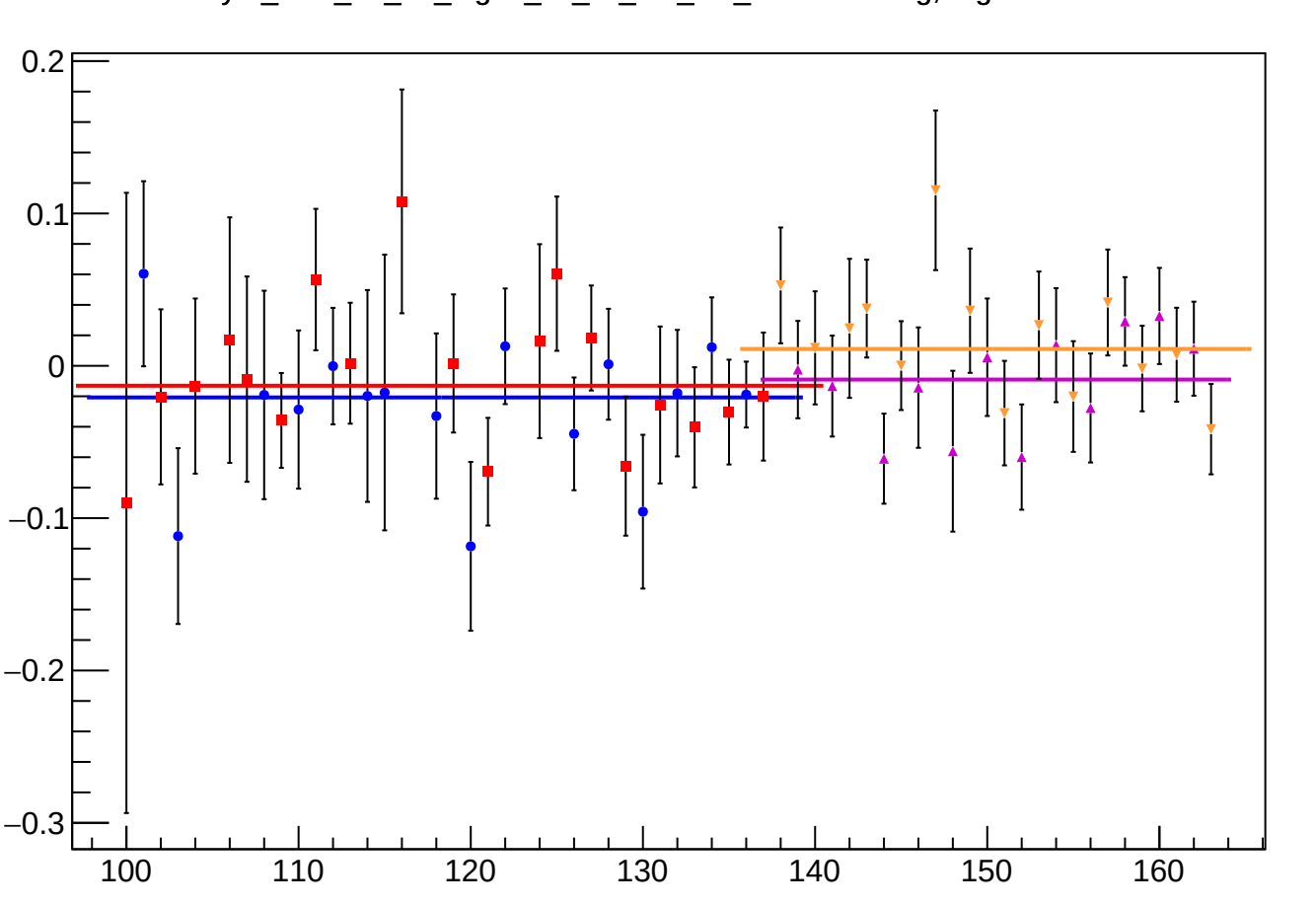
In: 29.205+/-0.005 χ^2/NDF:1717964.3/27

Out: 29.321+/-0.005 χ^2/NDF:1292864.4/32

All: 29.265+/-0.004 χ^2/NDF: 3011100.0/60


asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 12.7/15
Left Out: -0.000+/-0.000 χ²/NDF:20.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 13.2/18
Left In: -0.000+/-0.000 χ²/NDF:11.3/11
Left: -0.000+/-0.000 χ²/NDF: 32.2/25
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: -0.000+/-0.000 χ²/NDF:25.6/27
Out: -0.000+/-0.000 χ²/NDF:34.2/32
All: -0.000+/-0.000 χ²/NDF: 60.0/60


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:6573657.4/13
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:5970394.2/11
Left: 0.001+/-0.000 χ²/NDF: 12544064.1/25
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8121329.4/27
Out: 0.001+/-0.000 χ²/NDF:8186323.8/32
All: 0.001+/-0.000 χ²/NDF: 16318948.5/60



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.010 χ^2/NDF:10.8/11

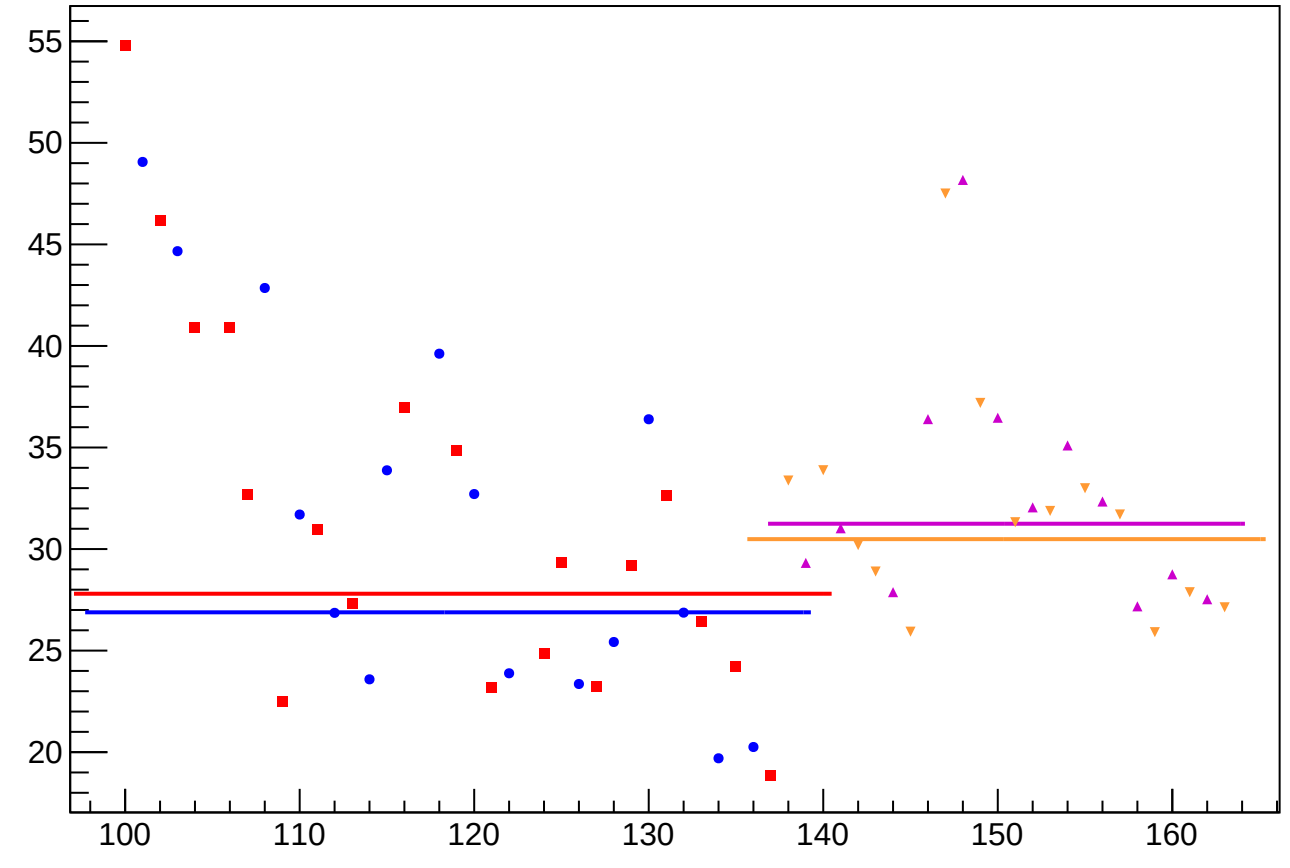
Left: 0.002+/-0.007 χ^2/NDF: 26.1/25

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.0/27

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.2/60



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.488+/-0.007 χ^2/NDF:456411.0/13

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.247+/-0.007 χ^2/NDF:414397.2/11

Left: 30.843+/-0.005 χ^2/NDF: 877106.3/25

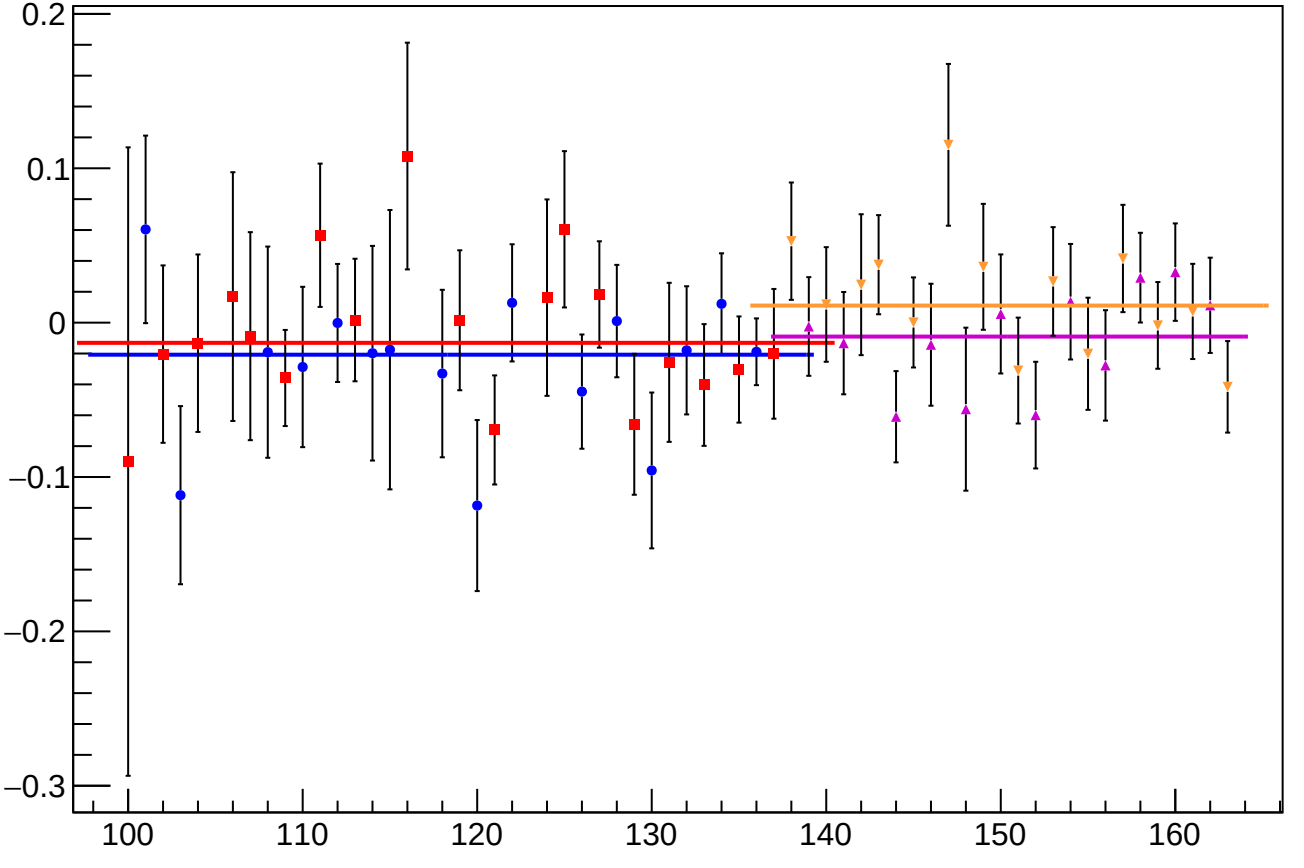
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.204+/-0.005 χ^2/NDF:1718143.4/27

Out: 29.320+/-0.005 χ^2/NDF:1293155.5/32

All: 29.264+/-0.004 χ^2/NDF: 3011569.2/60

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.009 χ^2/NDF:13.0/13

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.009+/-0.010 χ^2/NDF:10.8/11

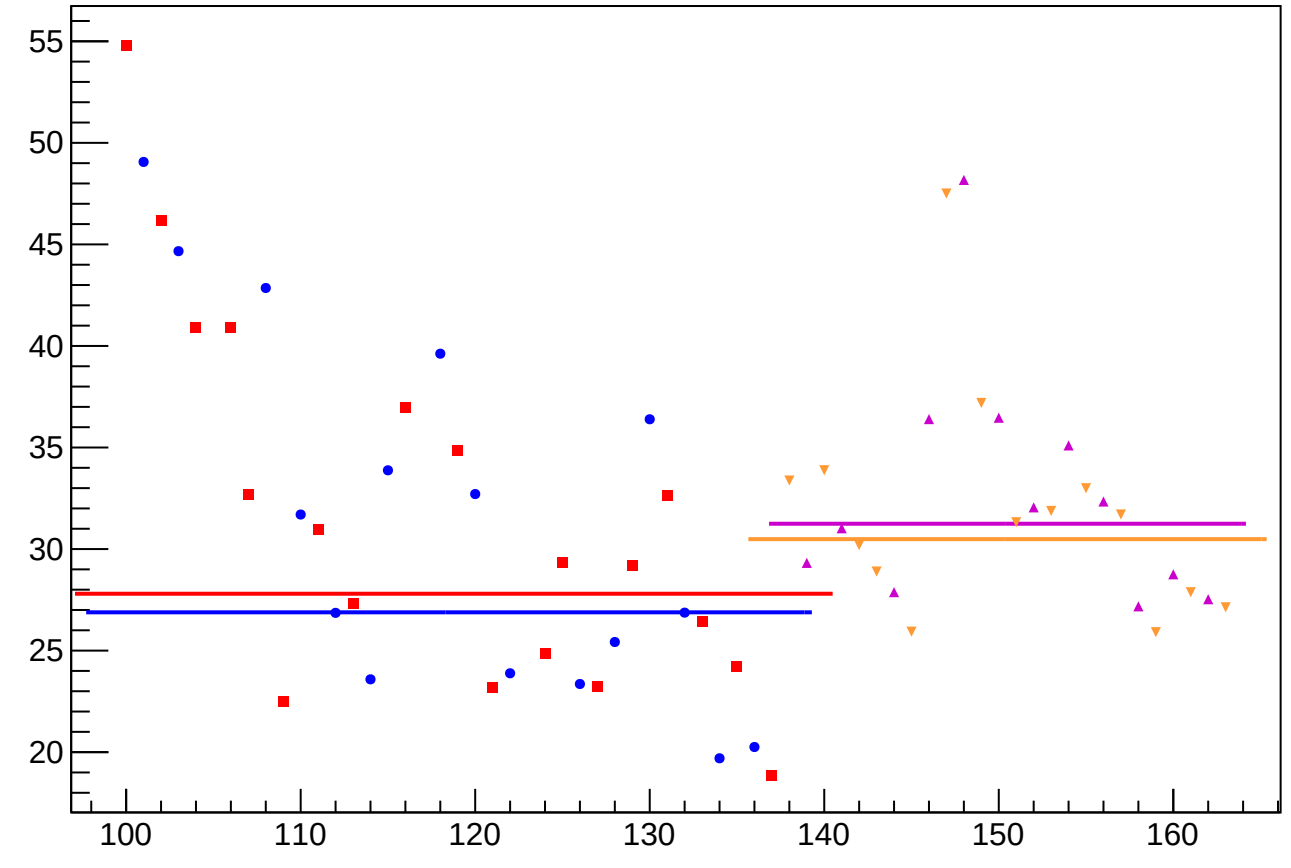
Left: 0.002+/-0.007 χ^2/NDF: 26.1/25

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.015+/-0.007 χ^2/NDF:24.0/27

Out: 0.001+/-0.007 χ^2/NDF:29.9/32

All: -0.007+/-0.005 χ^2/NDF: 56.2/60



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 30.488+/-0.007 χ^2/NDF:456411.0/13

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.247+/-0.007 χ^2/NDF:414397.2/11

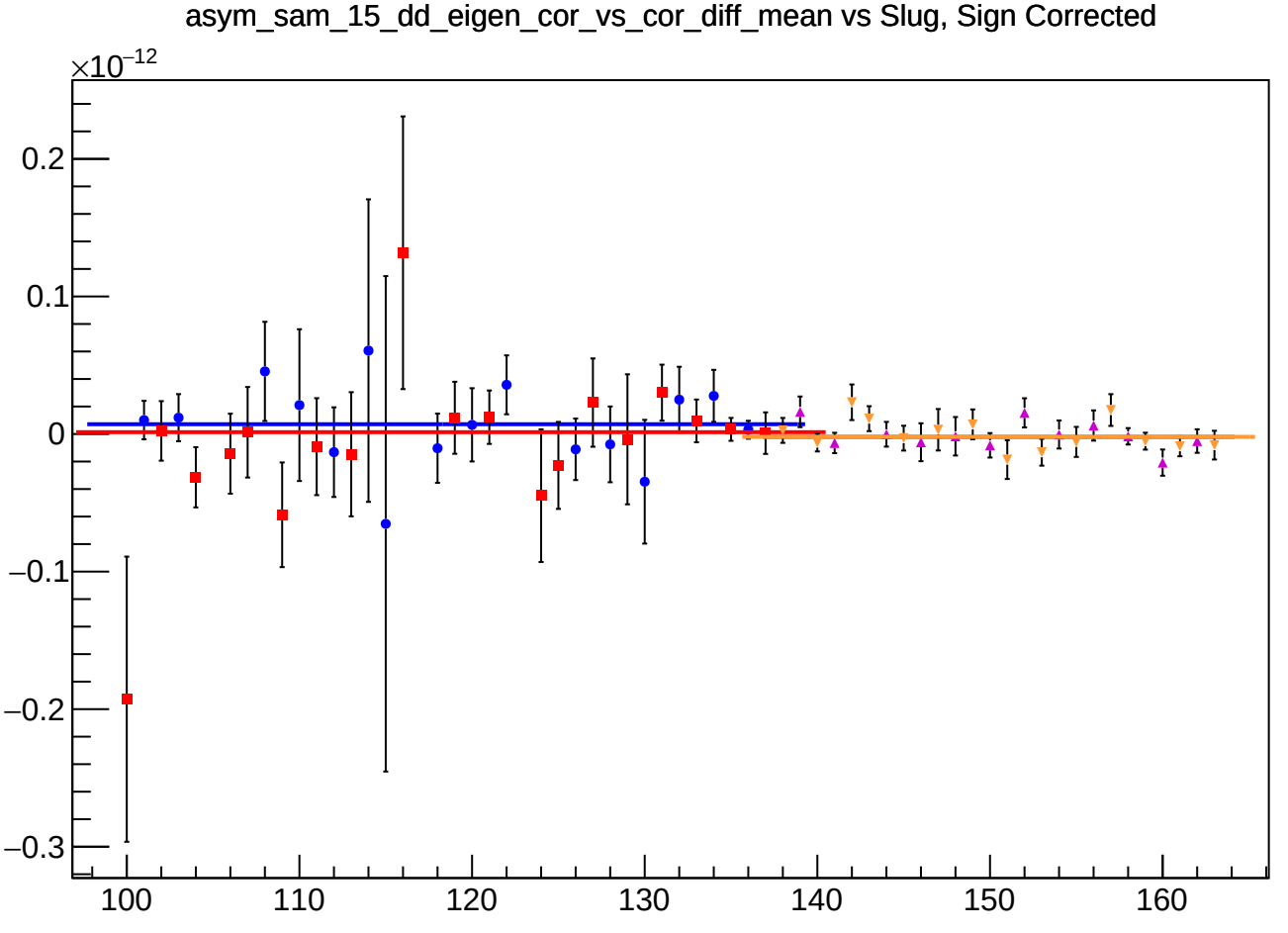
Left: 30.843+/-0.005 χ^2/NDF: 877106.3/25

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.204+/-0.005 χ^2/NDF:1718143.4/27

Out: 29.320+/-0.005 χ^2/NDF:1293155.5/32

All: 29.264+/-0.004 χ^2/NDF: 3011569.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/13

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

Left In: -0.000+/-0.000 χ^2/NDF:10.9/11

Left: -0.000+/-0.000 χ^2/NDF: 25.5/25

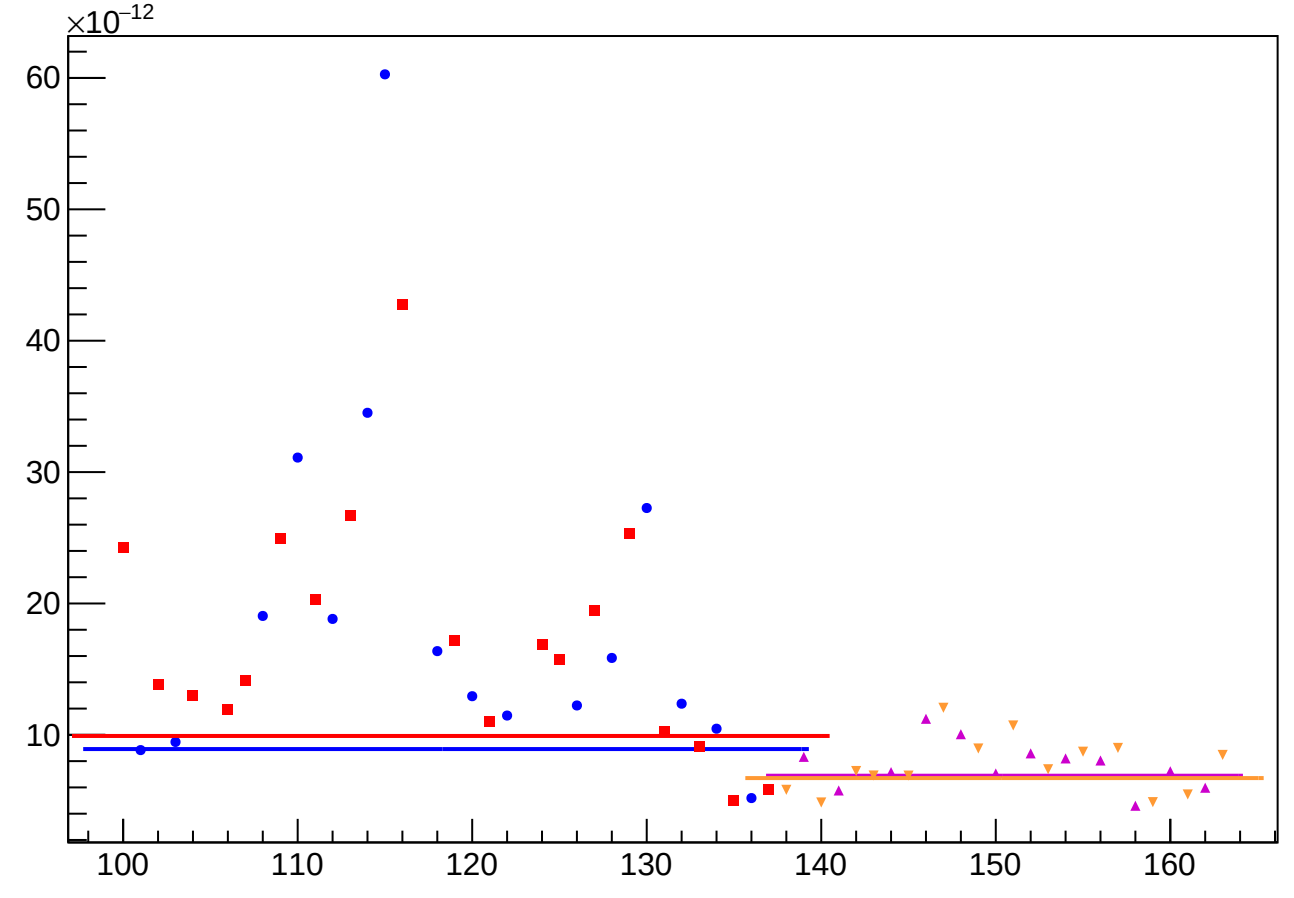
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:22.3/27

Out: -0.000+/-0.000 χ^2/NDF:30.2/32

All: -0.000+/-0.000 χ^2/NDF: 52.7/60

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1141485.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:807938.4/11

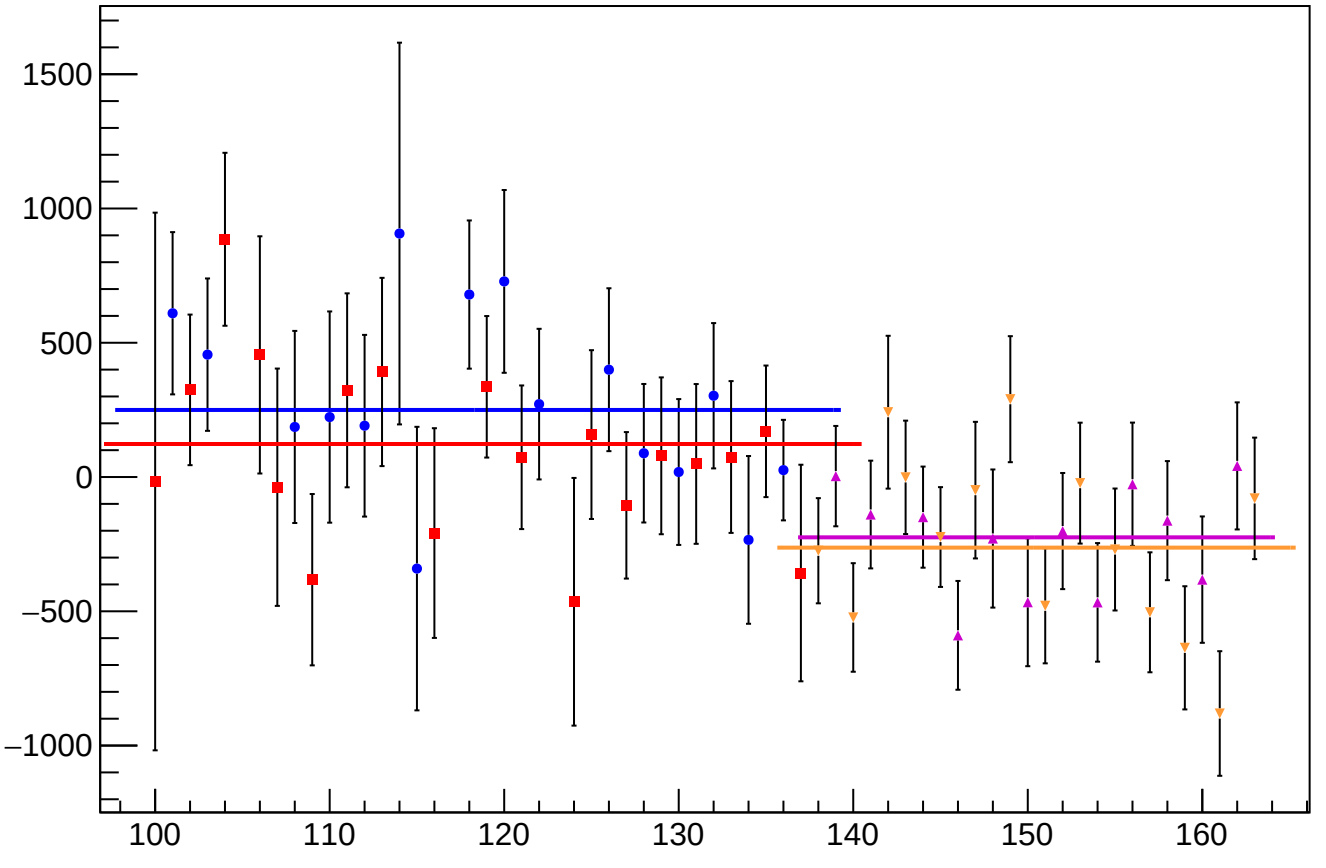
Left: 0.000+/-0.000 χ^2/NDF: 1954384.9/25

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3504447.3/27

Out: 0.000+/-0.000 χ^2/NDF:4484918.5/32

All: 0.000+/-0.000 χ^2/NDF: 7990046.3/60



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.906+/-59.137 χ^2/NDF:26.4/13

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -224.582+/-62.509 χ^2/NDF:9.8/11

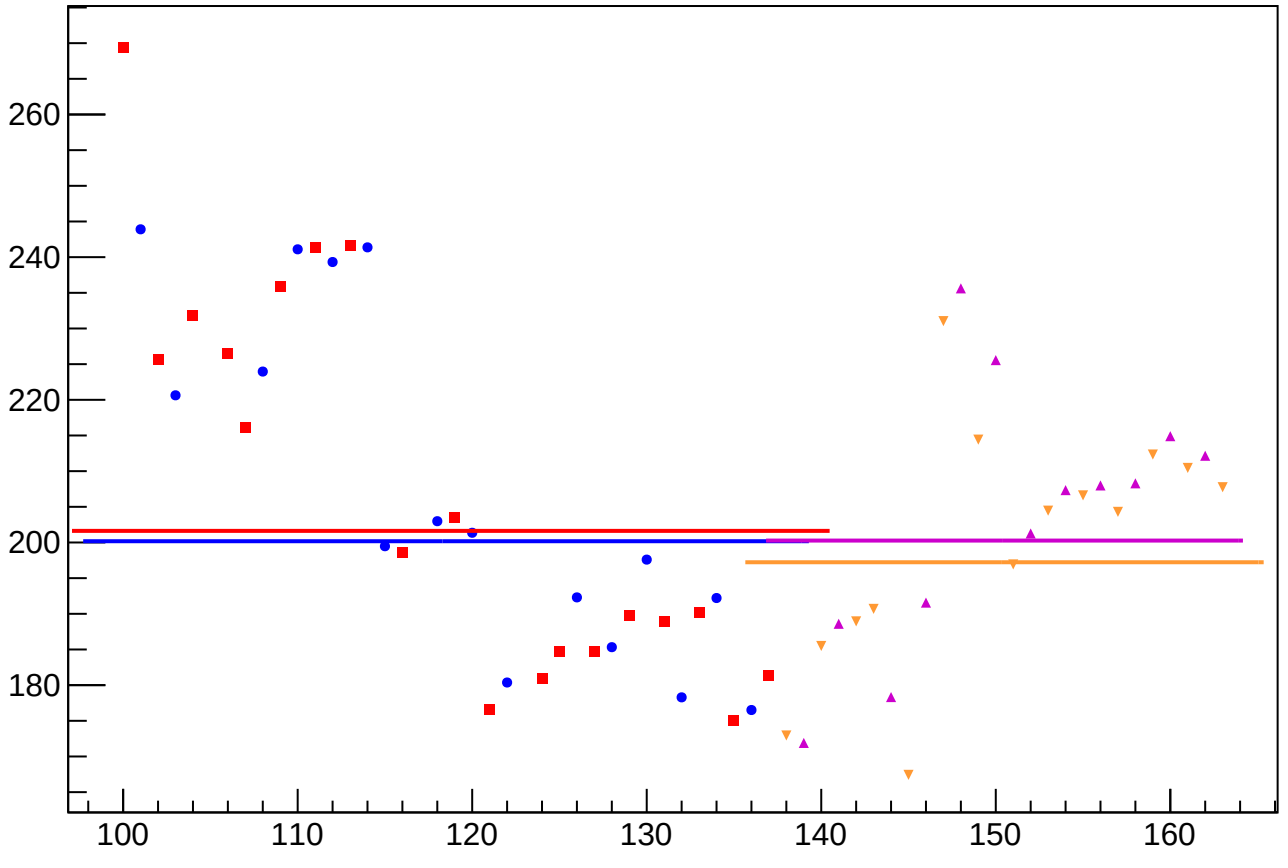
Left: -244.805+/-42.959 χ^2/NDF: 36.4/25

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -29.770+/-47.986 χ^2/NDF:47.3/27

Out: -113.419+/-46.287 χ^2/NDF:58.4/32

All: -73.101+/-33.314 χ^2/NDF: 107.2/60



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 200.268+/-0.044 χ^2/NDF:163819.3/11

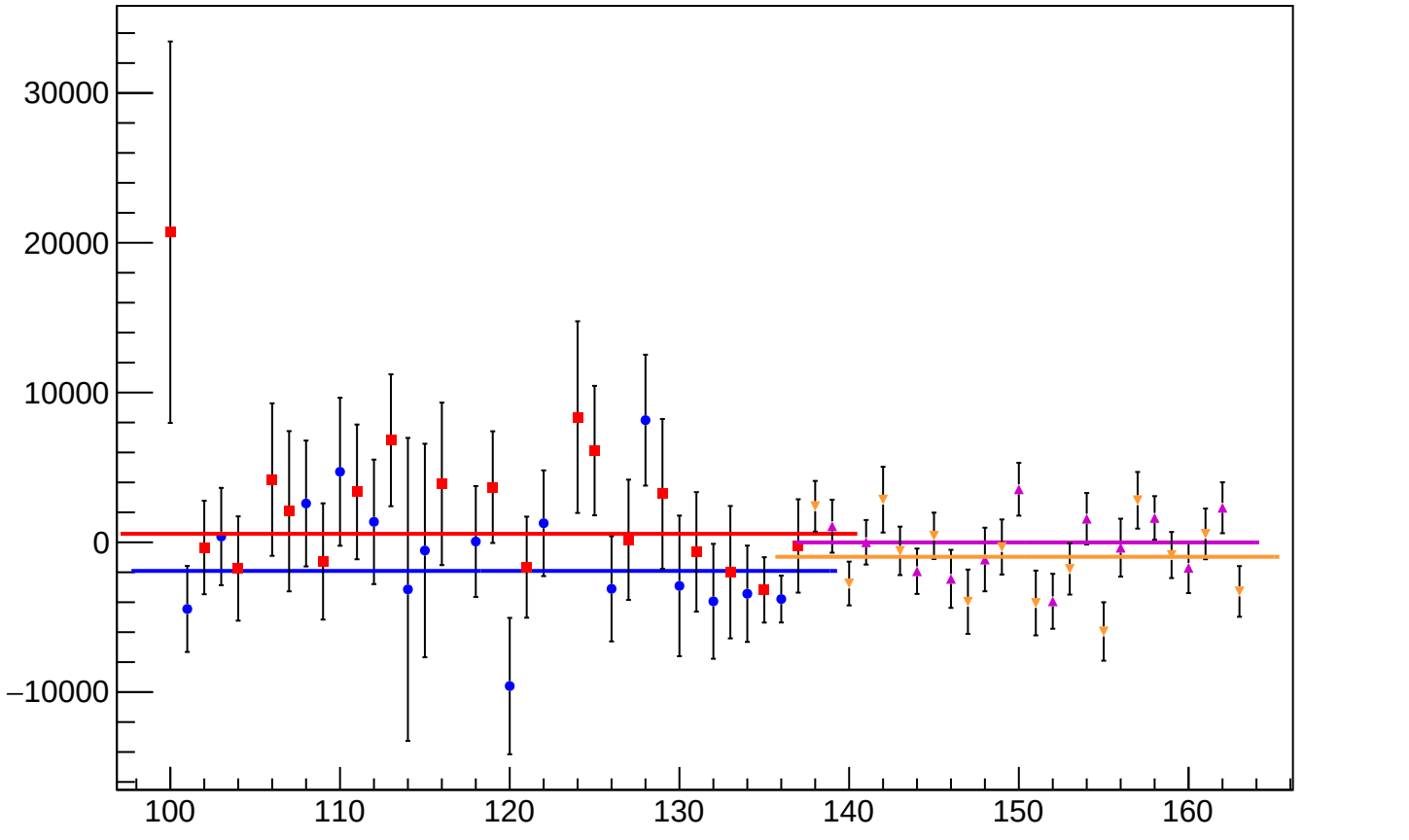
Left: 198.664+/-0.030 χ^2/NDF: 331907.2/25

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.231+/-0.034 χ^2/NDF:344822.4/27

Out: 198.932+/-0.033 χ^2/NDF:367123.4/32

All: 199.558+/-0.024 χ^2/NDF: 712704.3/60



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -967.196+/-468.508 χ^2/NDF:26.9/13

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -5.345+/-494.494 χ^2/NDF:17.5/11

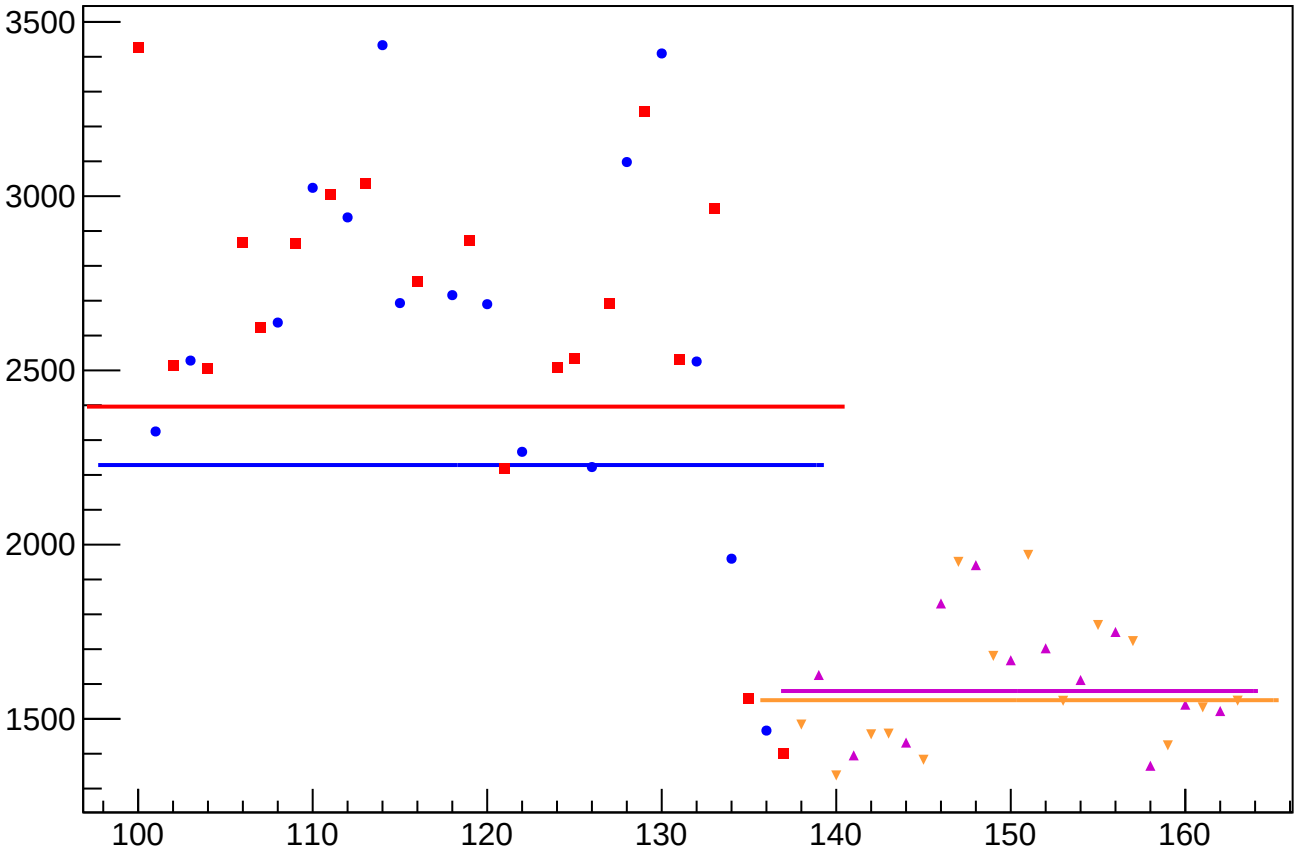
Left: -512.207+/-340.101 χ^2/NDF: 46.4/25

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -479.435+/-428.568 χ^2/NDF:37.5/27

Out: -639.507+/-415.617 χ^2/NDF:43.8/32

All: -561.927+/-298.359 χ^2/NDF: 81.4/60



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289801.7/13

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1579.926+/-0.350 χ^2/NDF:219653.4/11

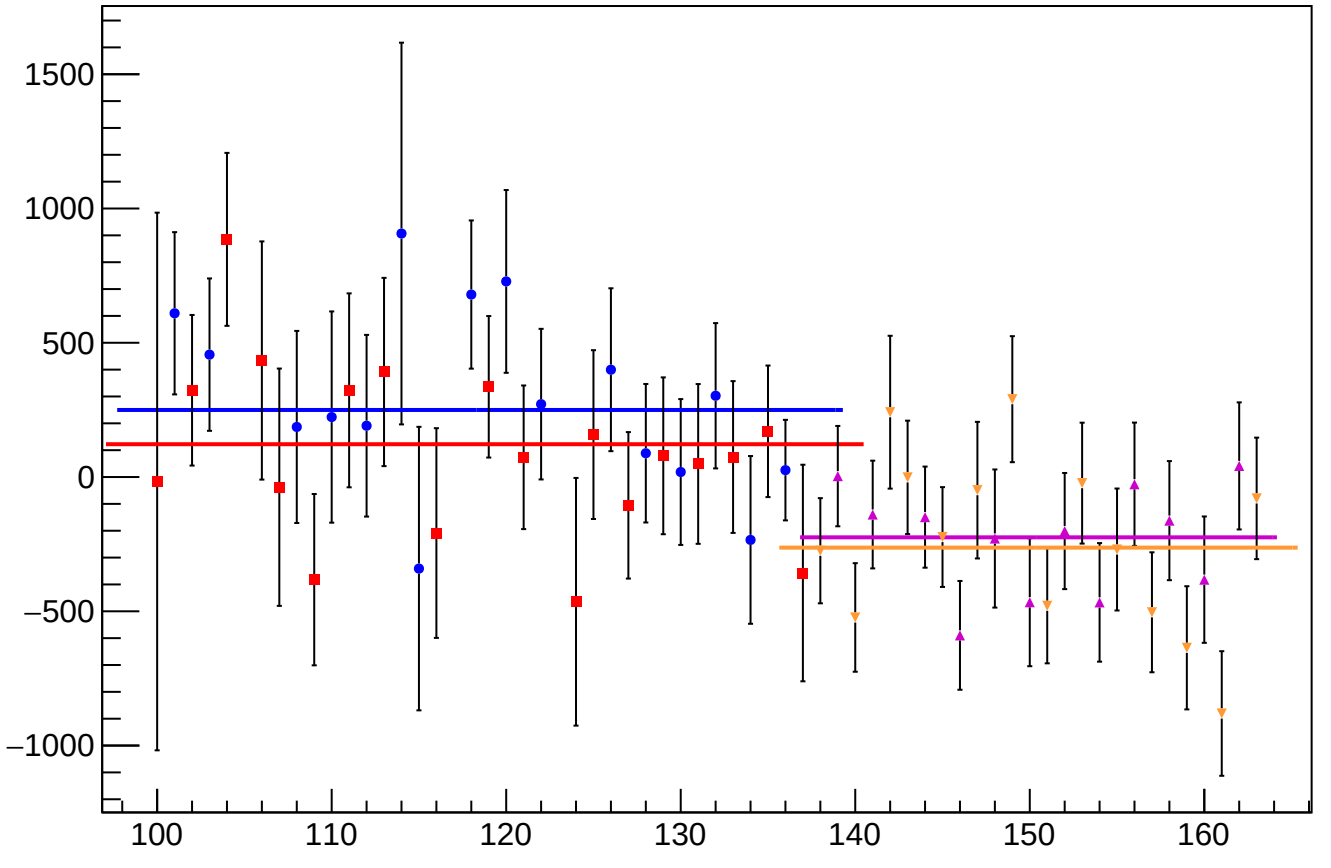
Left: 1566.064+/-0.240 χ^2/NDF: 512437.8/25

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1741.317+/-0.303 χ^2/NDF:2023358.5/27

Out: 1733.099+/-0.294 χ^2/NDF:2466958.3/32

All: 1737.082+/-0.211 χ^2/NDF: 4490695.8/60



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -224.587+/-62.509 χ^2/NDF:9.9/11

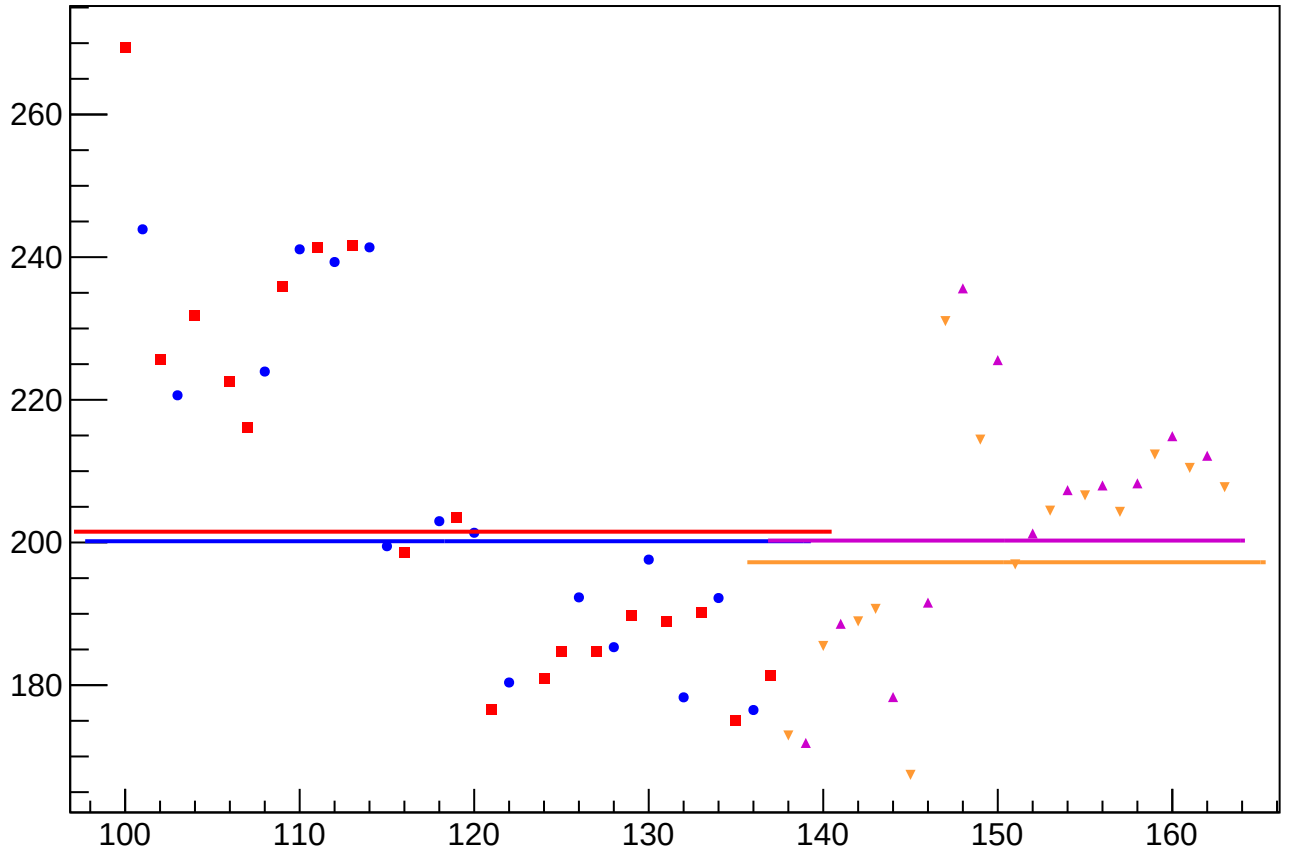
Left: -244.804+/-42.959 χ^2/NDF: 36.4/25

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -29.772+/-47.986 χ^2/NDF:47.3/27

Out: -113.743+/-46.290 χ^2/NDF:58.2/32

All: -73.268+/-33.315 χ^2/NDF: 107.1/60



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.268+/-0.044 χ^2/NDF:163819.3/11

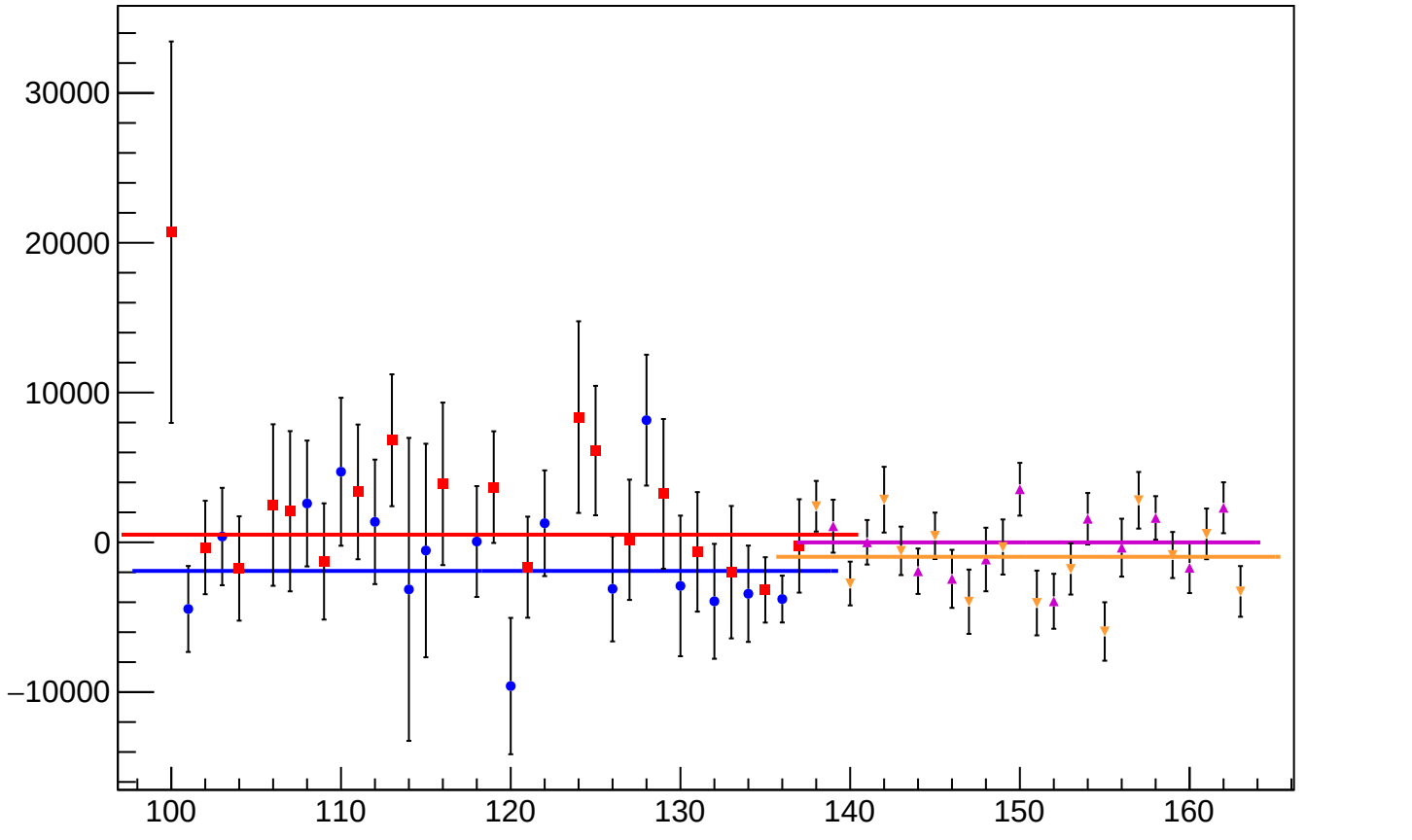
Left: 198.664+/-0.030 χ^2/NDF: 331907.2/25

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.231+/-0.034 χ^2/NDF:344822.7/27

Out: 198.889+/-0.033 χ^2/NDF:365091.3/32

All: 199.536+/-0.024 χ^2/NDF: 710724.7/60



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -967.192+/-468.508 χ^2/NDF:26.9/13

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -5.341+/-494.495 χ^2/NDF:17.5/11

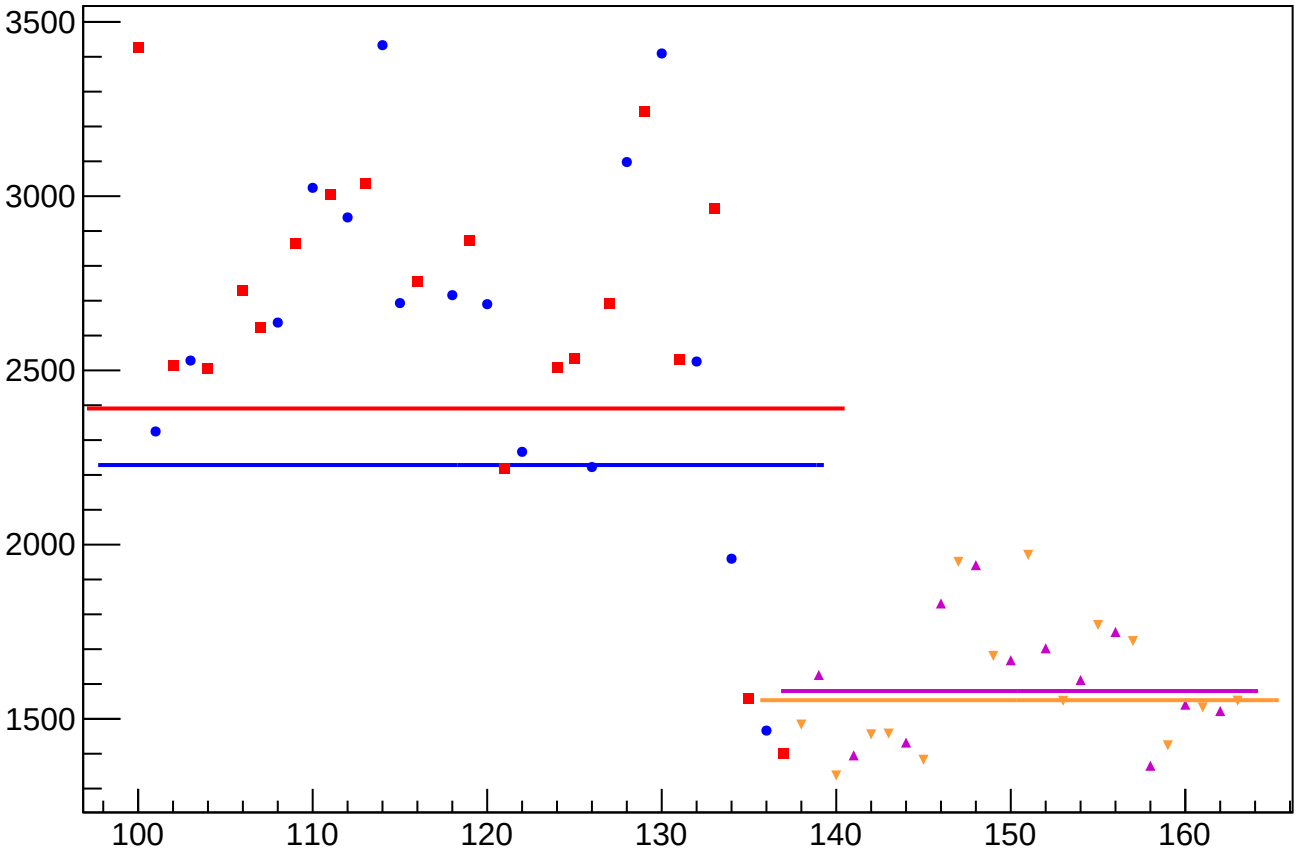
Left: -512.203+/-340.101 χ^2/NDF: 46.4/25

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -479.422+/-428.569 χ^2/NDF:37.5/27

Out: -653.074+/-415.770 χ^2/NDF:43.3/32

All: -568.880+/-298.416 χ^2/NDF: 80.8/60



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1579.927+/-0.350 χ^2/NDF:219653.4/11

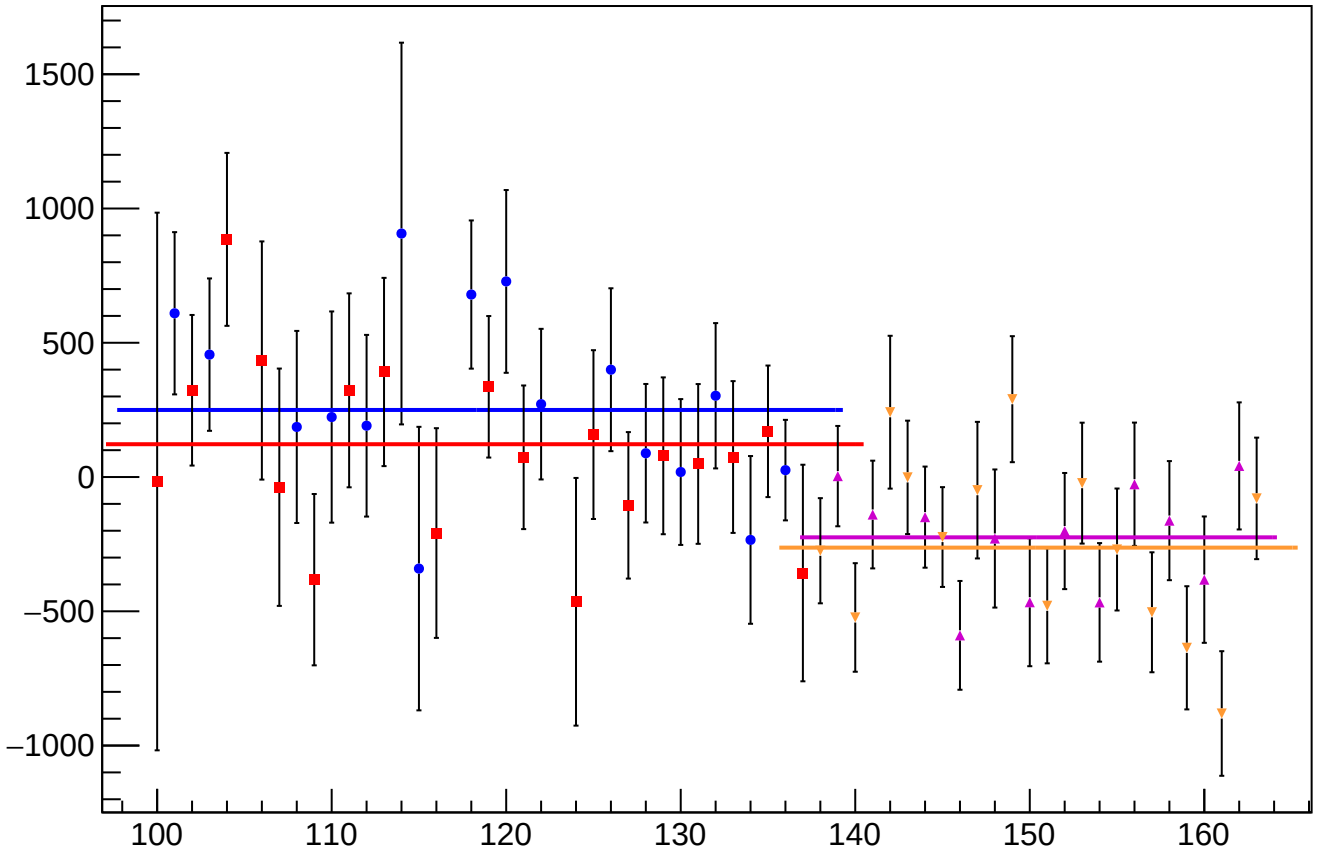
Left: 1566.064+/-0.240 χ^2/NDF: 512438.2/25

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1741.318+/-0.303 χ^2/NDF:2023368.4/27

Out: 1731.474+/-0.294 χ^2/NDF:2436371.8/32

All: 1736.247+/-0.211 χ^2/NDF: 4460283.8/60



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -262.898+/-59.137 χ^2/NDF:26.4/13

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -224.587+/-62.509 χ^2/NDF:9.9/11

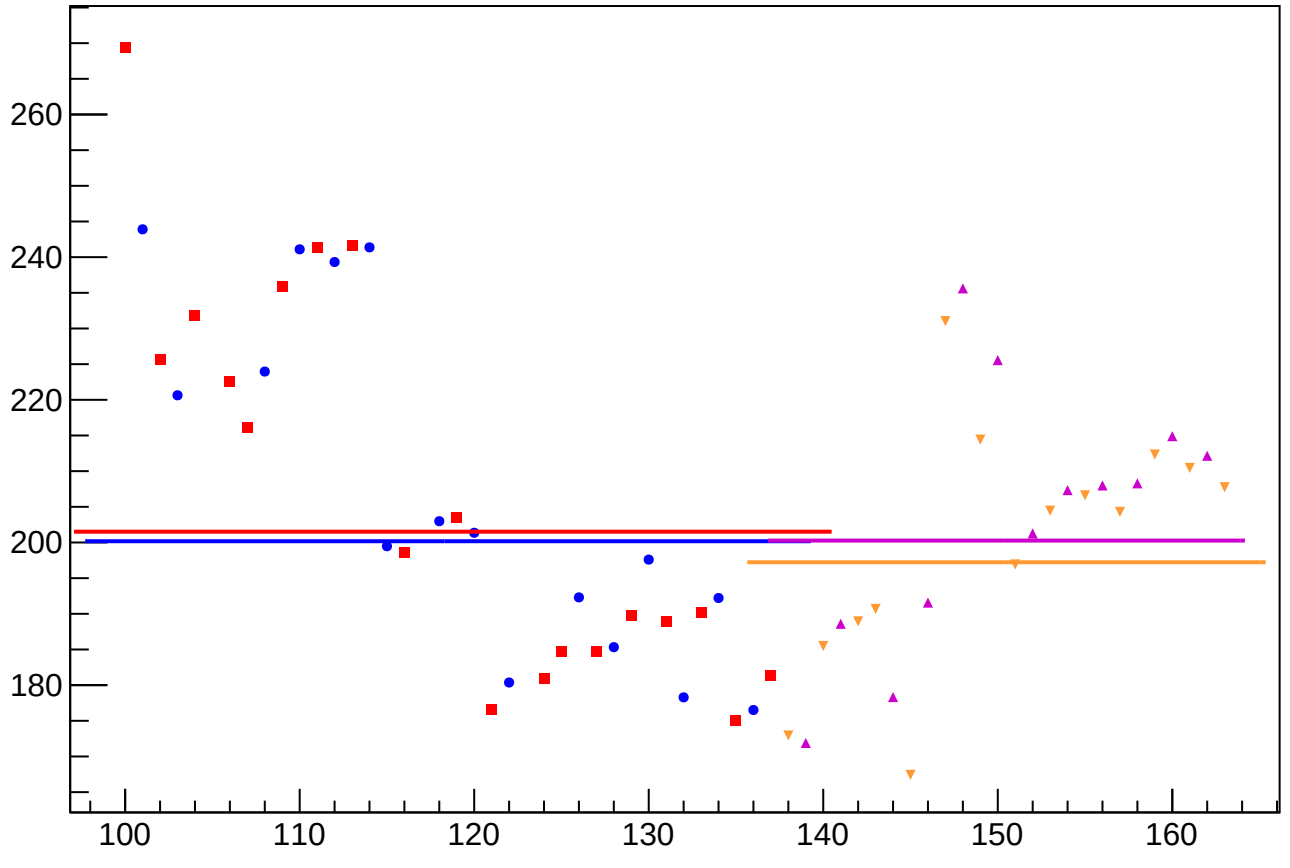
Left: -244.804+/-42.959 χ^2/NDF: 36.4/25

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -29.772+/-47.986 χ^2/NDF:47.3/27

Out: -113.743+/-46.290 χ^2/NDF:58.2/32

All: -73.268+/-33.315 χ^2/NDF: 107.1/60



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.229+/-0.042 χ^2/NDF:165592.0/13

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 200.268+/-0.044 χ^2/NDF:163819.3/11

Left: 198.664+/-0.030 χ^2/NDF: 331907.2/25

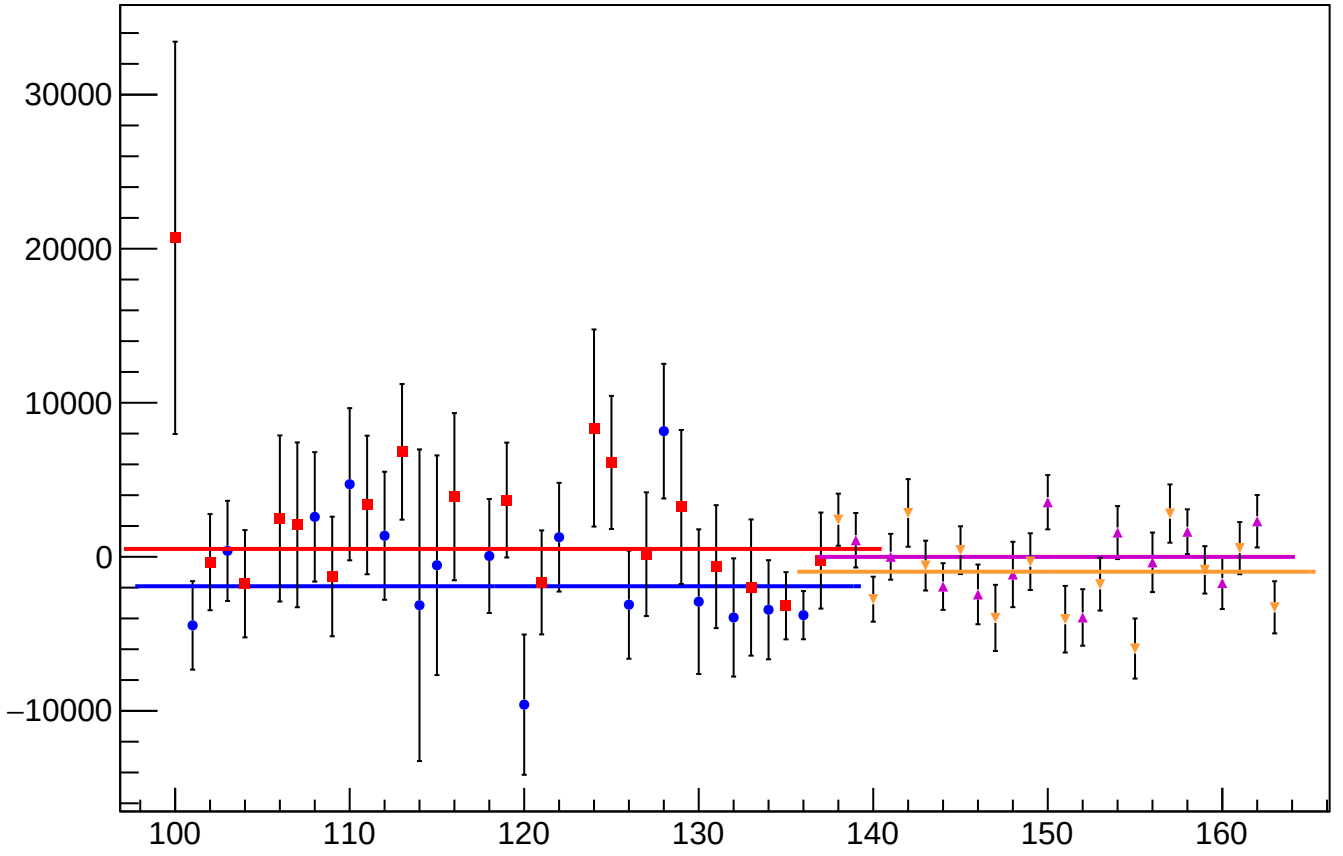
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.231+/-0.034 χ^2/NDF:344822.7/27

Out: 198.889+/-0.033 χ^2/NDF:365091.3/32

All: 199.536+/-0.024 χ^2/NDF: 710724.7/60

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -967.192+/-468.508 χ^2/NDF:26.9/13

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -5.341+/-494.495 χ^2/NDF:17.5/11

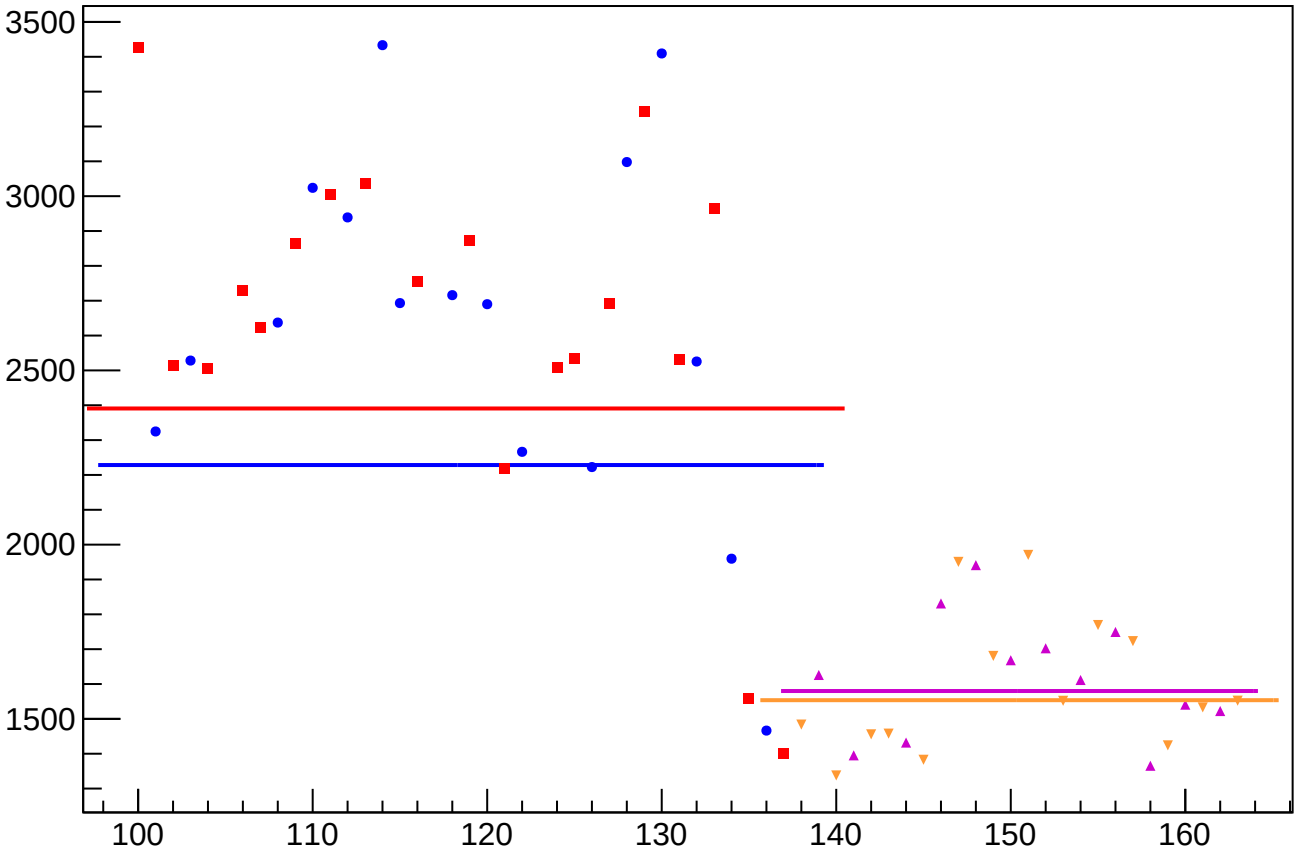
Left: -512.203+/-340.101 χ^2/NDF: 46.4/25

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -479.422+/-428.569 χ^2/NDF:37.5/27

Out: -653.074+/-415.770 χ^2/NDF:43.3/32

All: -568.880+/-298.416 χ^2/NDF: 80.8/60



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1553.620+/-0.331 χ^2/NDF:289802.1/13

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1579.927+/-0.350 χ^2/NDF:219653.4/11

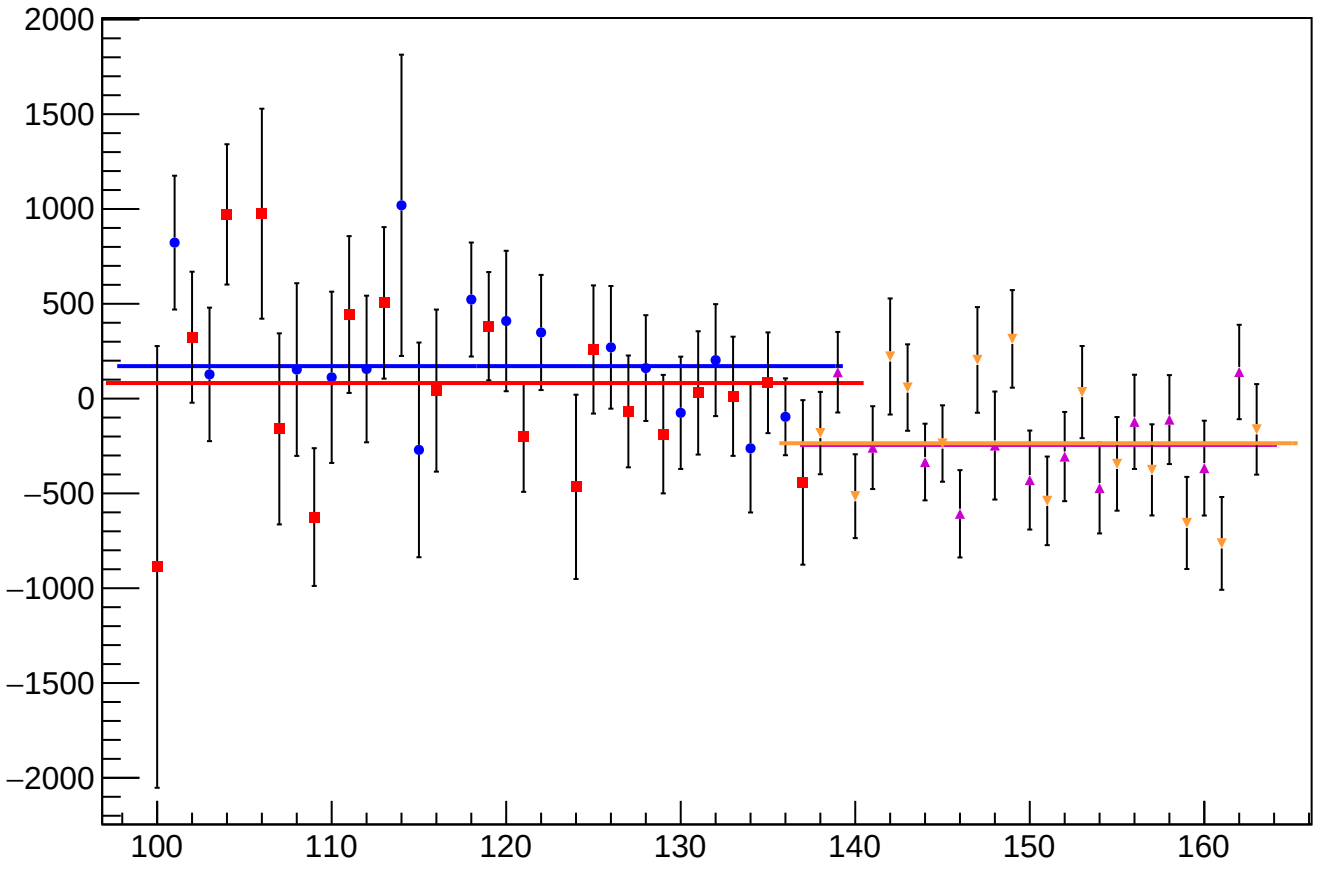
Left: 1566.064+/-0.240 χ^2/NDF: 512438.2/25

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1741.318+/-0.303 χ^2/NDF:2023368.4/27

Out: 1731.474+/-0.294 χ^2/NDF:2436371.8/32

All: 1736.247+/-0.211 χ^2/NDF: 4460283.8/60



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -244.462+/-68.138 χ^2/NDF:10.6/11

Left: -239.644+/-46.641 χ^2/NDF: 34.4/25

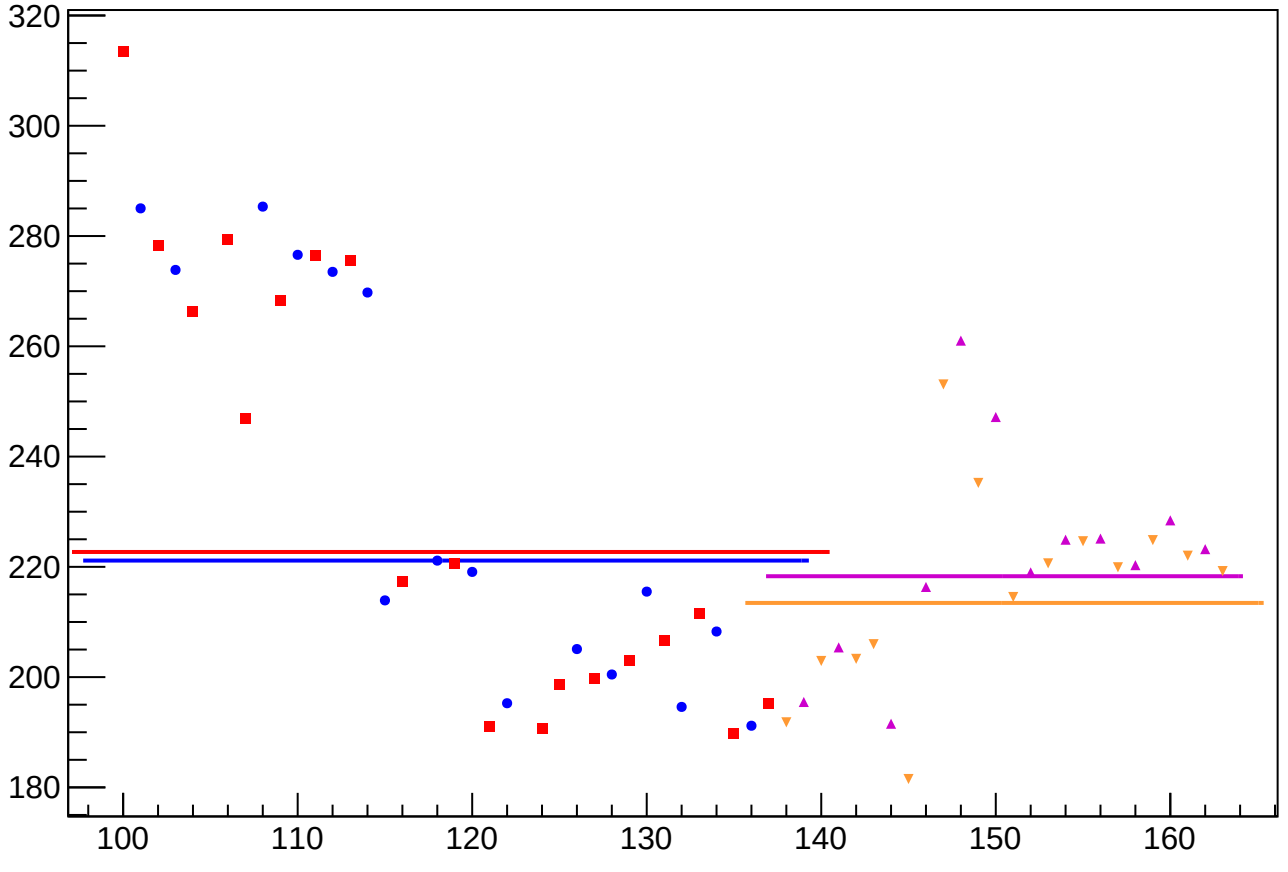
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -77.369+/-52.694 χ^2/NDF:37.1/27

Out: -116.221+/-50.569 χ^2/NDF:54.7/32

All: -97.594+/-36.486 χ^2/NDF: 92.0/60

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.456+/-0.045 χ^2/NDF:149117.6/13

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 218.299+/-0.048 χ^2/NDF:141905.7/11

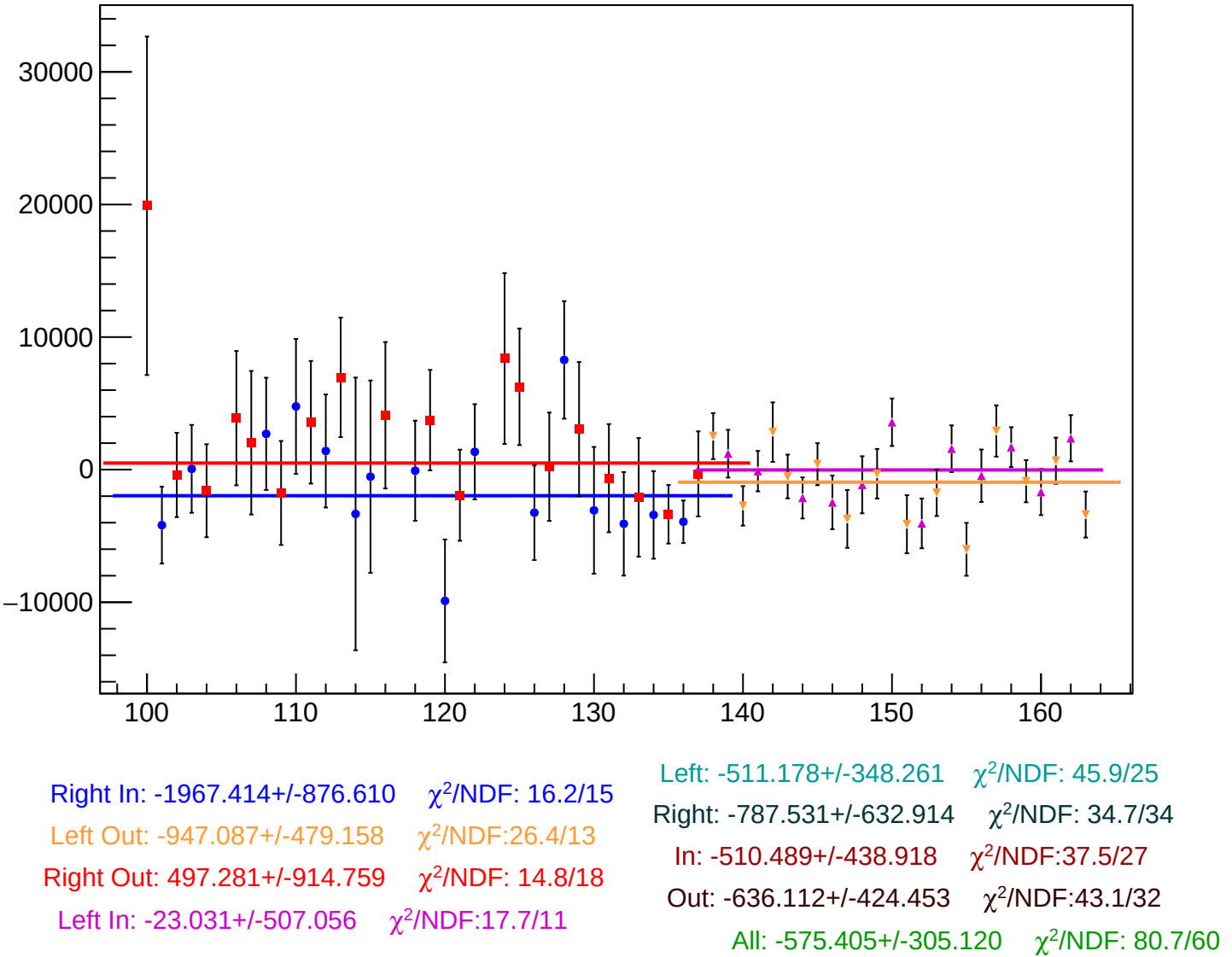
Left: 215.725+/-0.033 χ^2/NDF: 296392.3/25

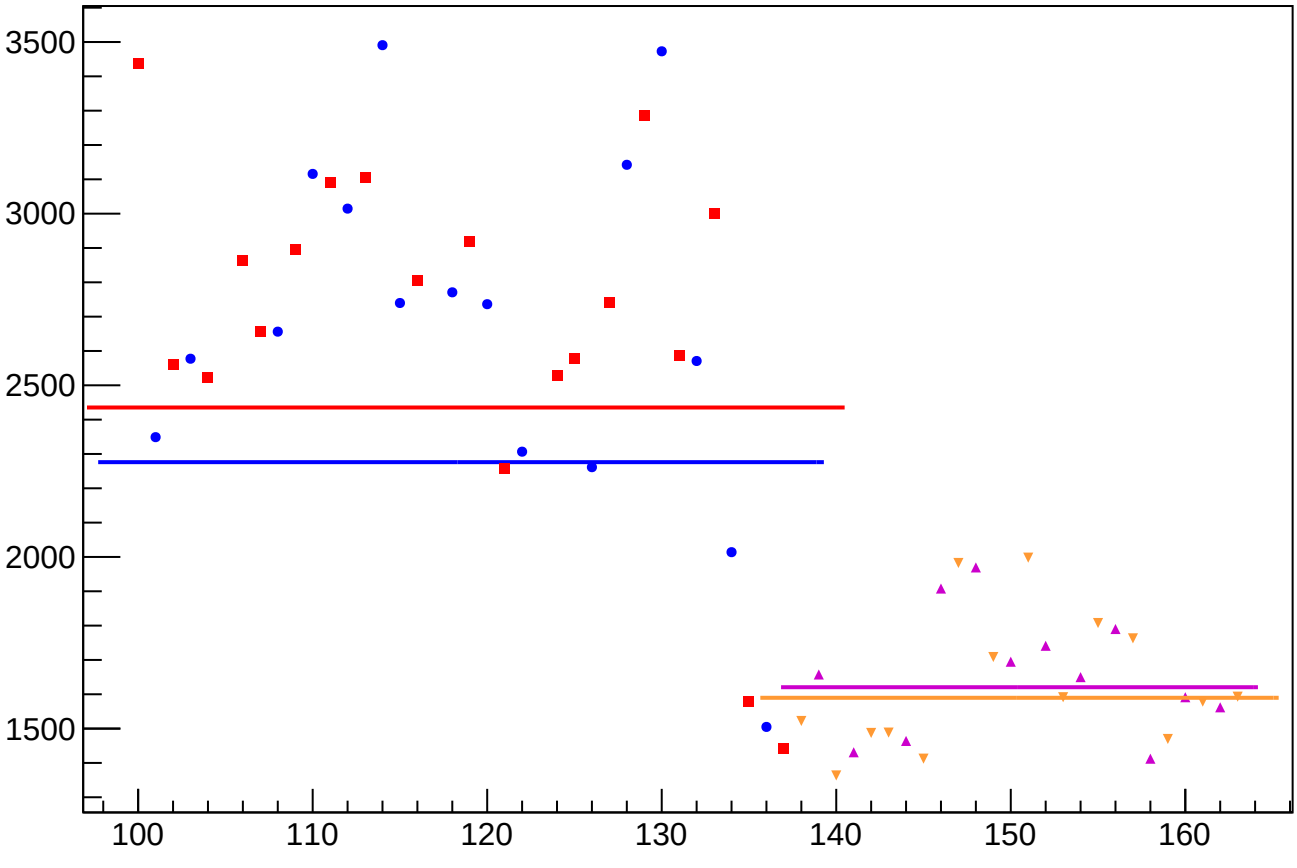
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 219.441+/-0.037 χ^2/NDF:462004.3/27

Out: 216.924+/-0.036 χ^2/NDF:491809.0/32

All: 218.131+/-0.026 χ^2/NDF: 956187.2/60


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -947.087+/-479.158 χ²/NDF:26.4/13
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: -23.031+/-507.056 χ²/NDF:17.7/11
Left: -511.178+/-348.261 χ²/NDF: 45.9/25
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -510.489+/-438.918 χ²/NDF:37.5/27
Out: -636.112+/-424.453 χ²/NDF:43.1/32
All: -575.405+/-305.120 χ²/NDF: 80.7/60



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279742.3/13

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1620.535+/-0.359 χ^2/NDF:213297.1/11

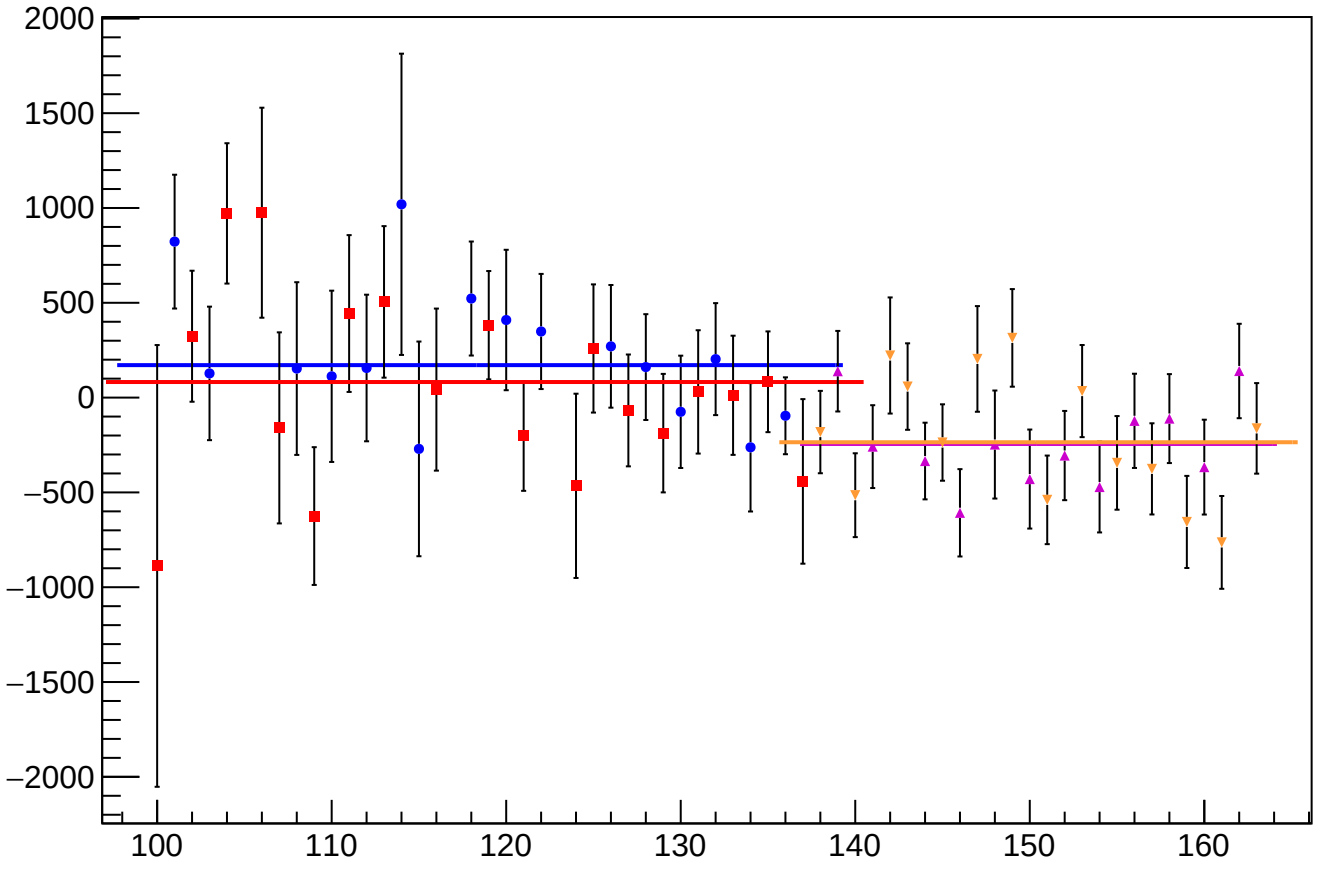
Left: 1604.270+/-0.246 χ^2/NDF: 496934.6/25

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1784.894+/-0.310 χ^2/NDF:1978485.4/27

Out: 1771.807+/-0.300 χ^2/NDF:2412346.7/32

All: 1778.131+/-0.216 χ^2/NDF: 4391750.8/60



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -235.396+/-63.980 χ^2/NDF:23.8/13

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -244.463+/-68.138 χ^2/NDF:10.6/11

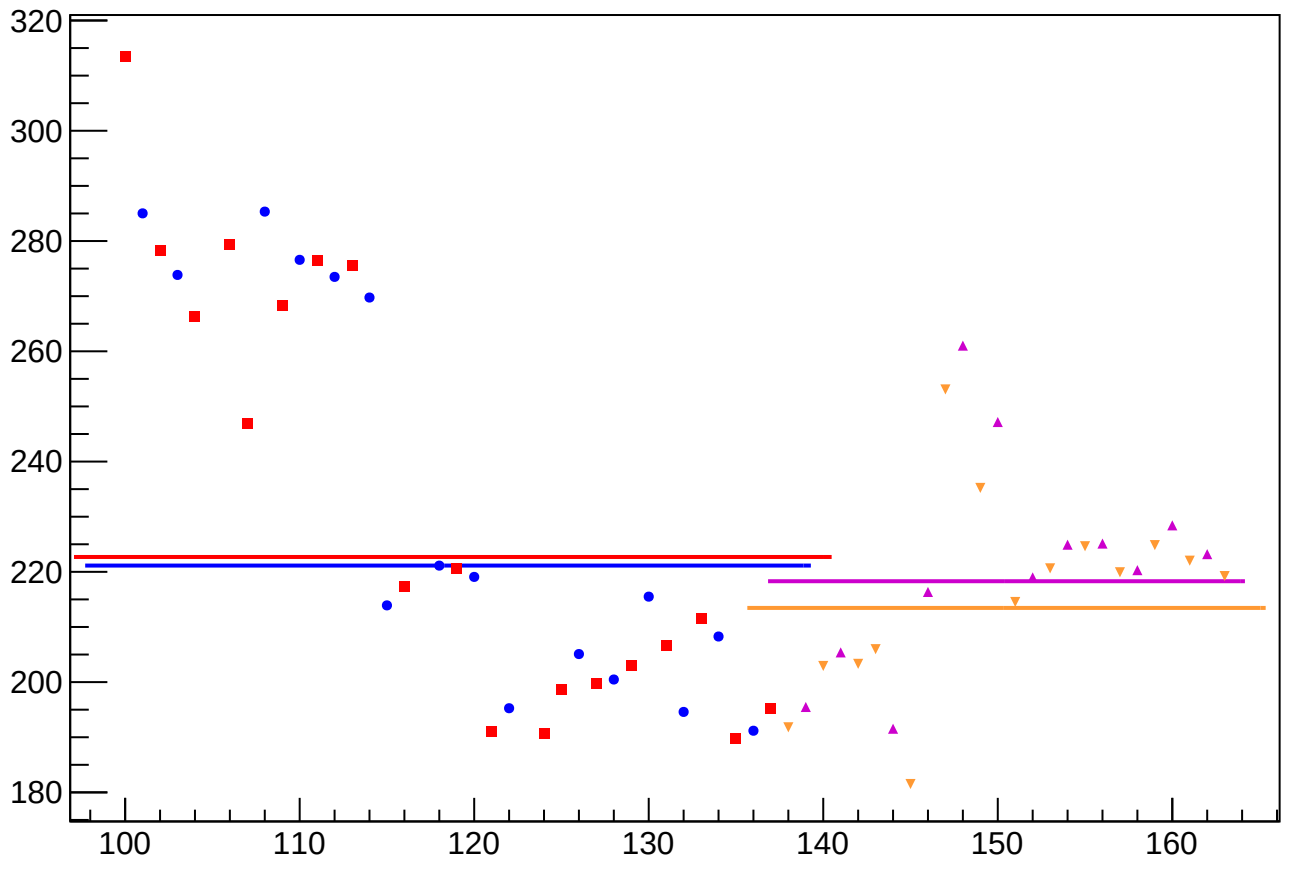
Left: -239.645+/-46.641 χ^2/NDF: 34.4/25

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -77.368+/-52.694 χ^2/NDF:37.1/27

Out: -116.221+/-50.568 χ^2/NDF:54.7/32

All: -97.594+/-36.486 χ^2/NDF: 92.0/60



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.456+/-0.045 χ^2/NDF:149121.4/13

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 218.299+/-0.048 χ^2/NDF:141907.4/11

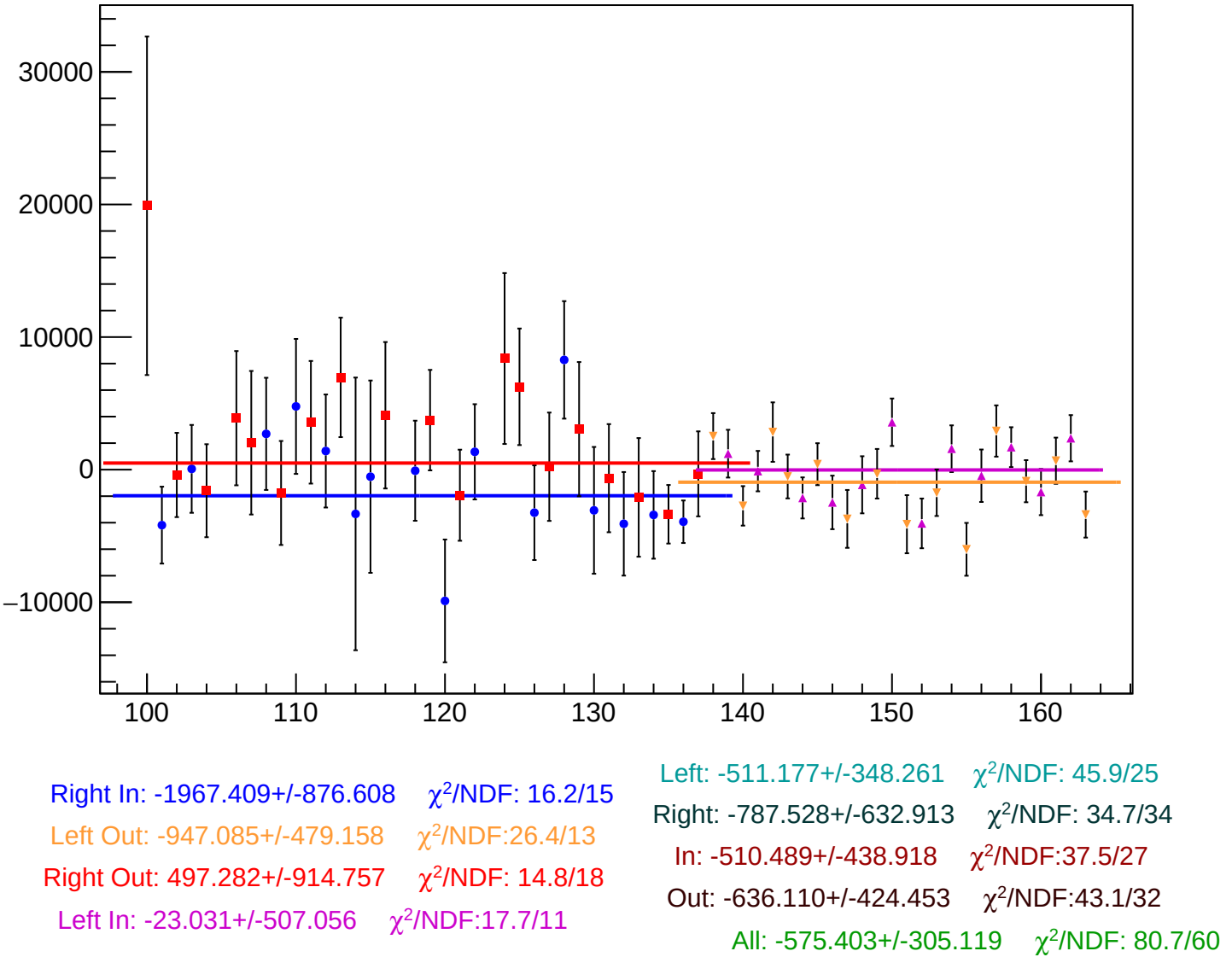
Left: 215.725+/-0.033 χ^2/NDF: 296397.6/25

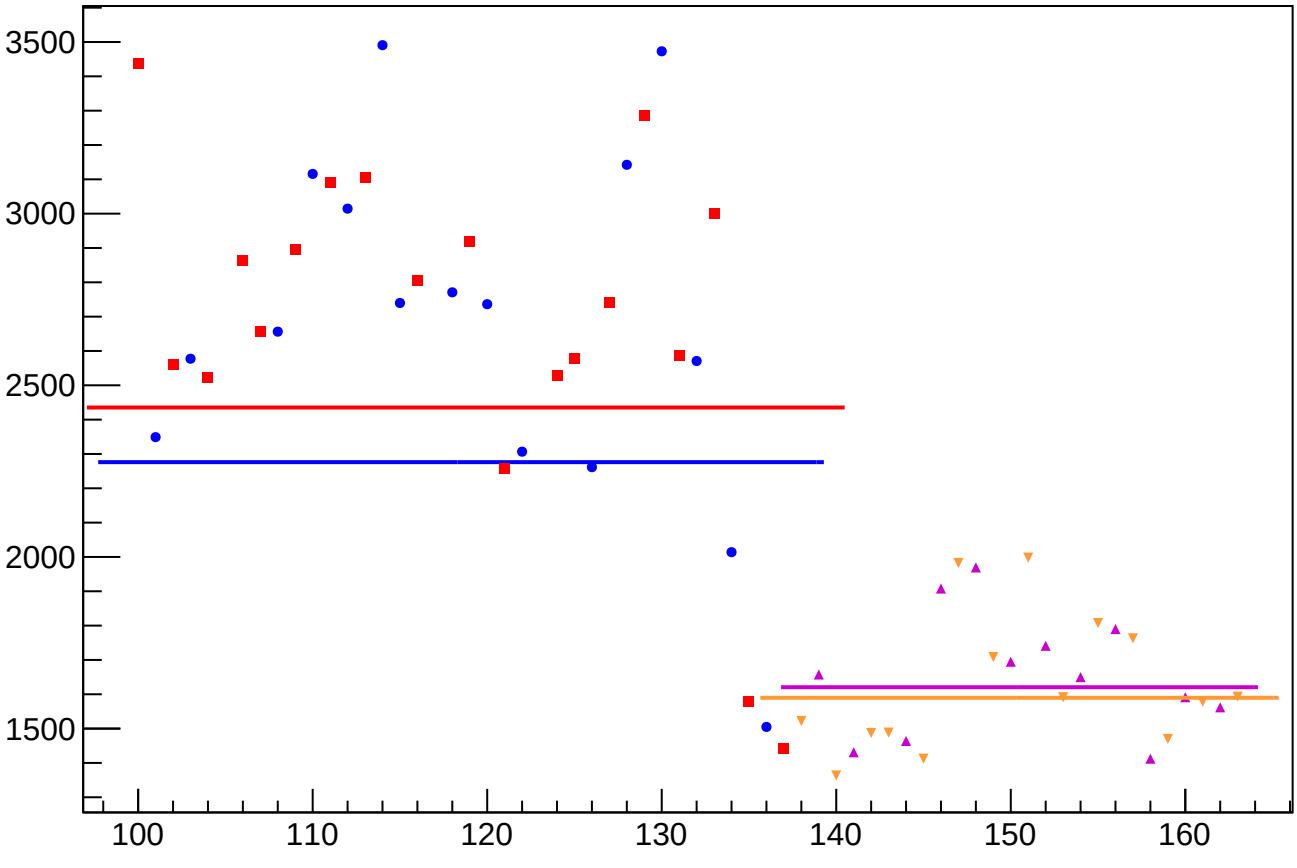
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 219.440+/-0.037 χ^2/NDF:462000.0/27

Out: 216.924+/-0.036 χ^2/NDF:491803.1/32

All: 218.130+/-0.026 χ^2/NDF: 956176.5/60


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -947.085+/-479.158 χ²/NDF:26.4/13
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: -23.031+/-507.056 χ²/NDF:17.7/11
Left: -511.177+/-348.261 χ²/NDF: 45.9/25
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -510.489+/-438.918 χ²/NDF:37.5/27
Out: -636.110+/-424.453 χ²/NDF:43.1/32
All: -575.403+/-305.119 χ²/NDF: 80.7/60



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1589.746+/-0.339 χ^2/NDF:279745.7/13

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1620.534+/-0.359 χ^2/NDF:213298.7/11

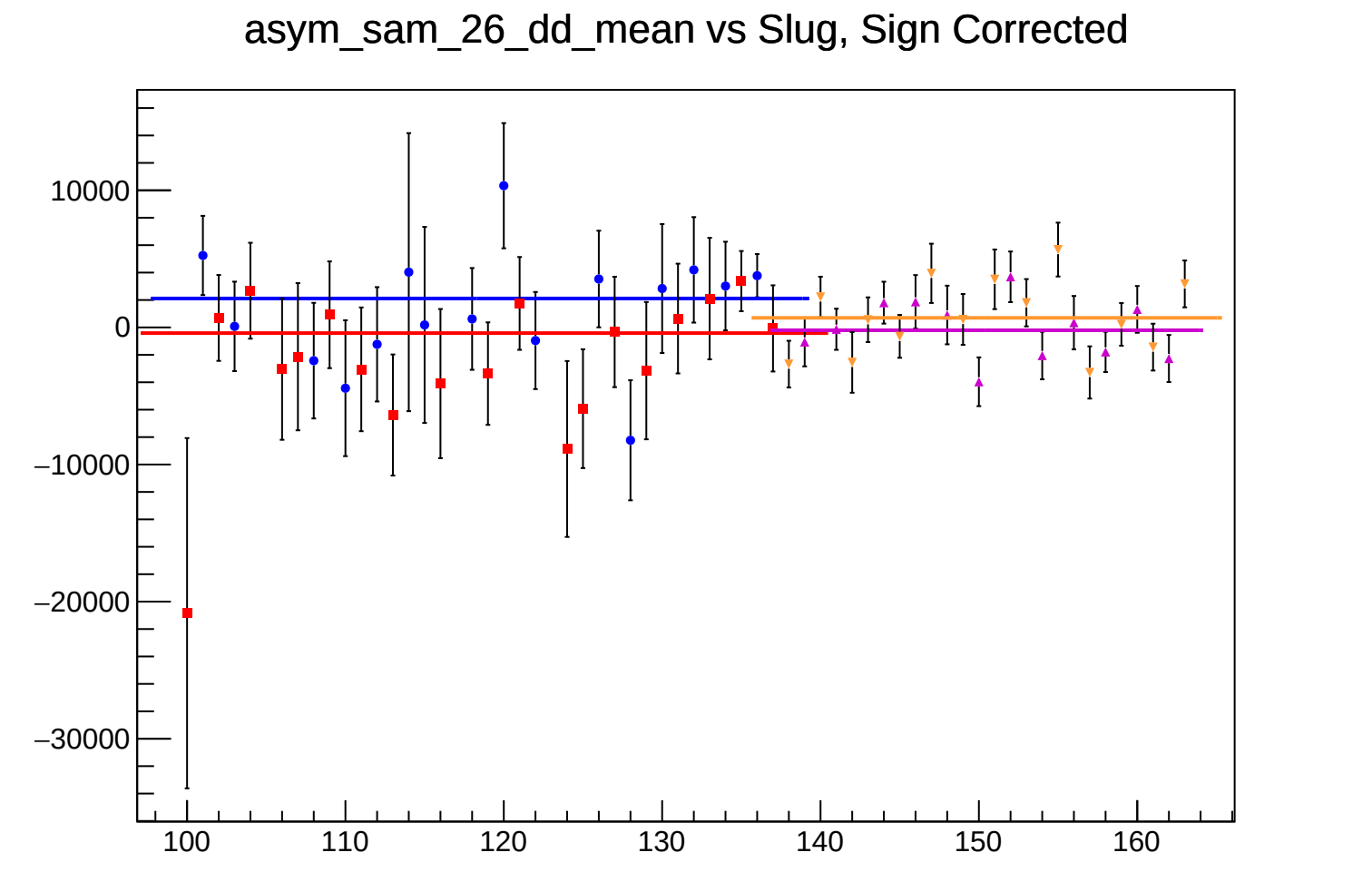
Left: 1604.270+/-0.246 χ^2/NDF: 496939.6/25

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1784.893+/-0.310 χ^2/NDF:1978473.8/27

Out: 1771.807+/-0.300 χ^2/NDF:2412337.4/32

All: 1778.131+/-0.216 χ^2/NDF: 4391729.9/60



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 699.639+/-472.442 χ^2/NDF:26.8/13

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -207.384+/-498.683 χ^2/NDF:16.9/11

Left: 270.619+/-342.969 χ^2/NDF: 45.4/25

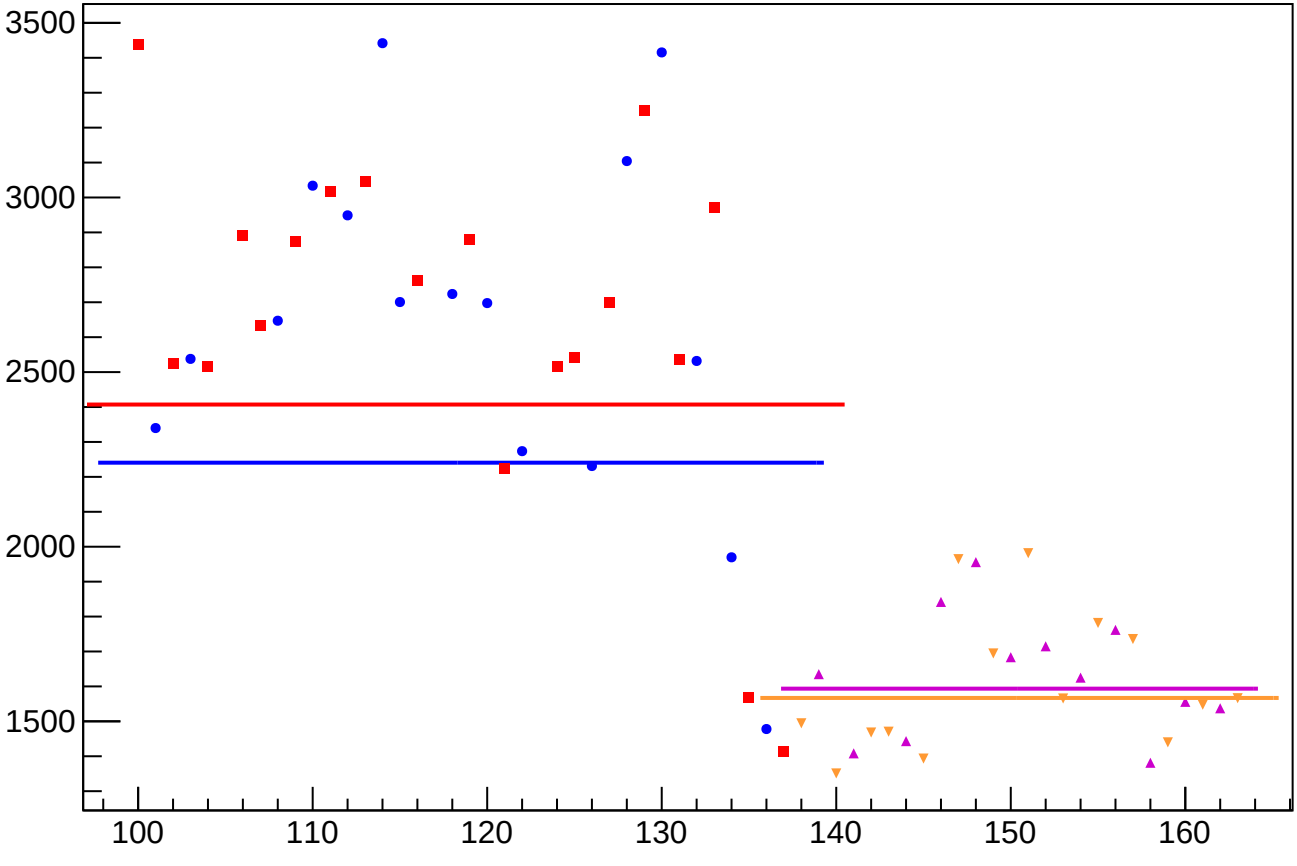
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 372.303+/-431.816 χ^2/NDF:38.9/27

Out: 460.881+/-418.751 χ^2/NDF:42.6/32

All: 417.952+/-300.614 χ^2/NDF: 81.6/60

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1566.958+/-0.334 χ^2/NDF:285263.6/13

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1593.586+/-0.353 χ^2/NDF:214849.7/11

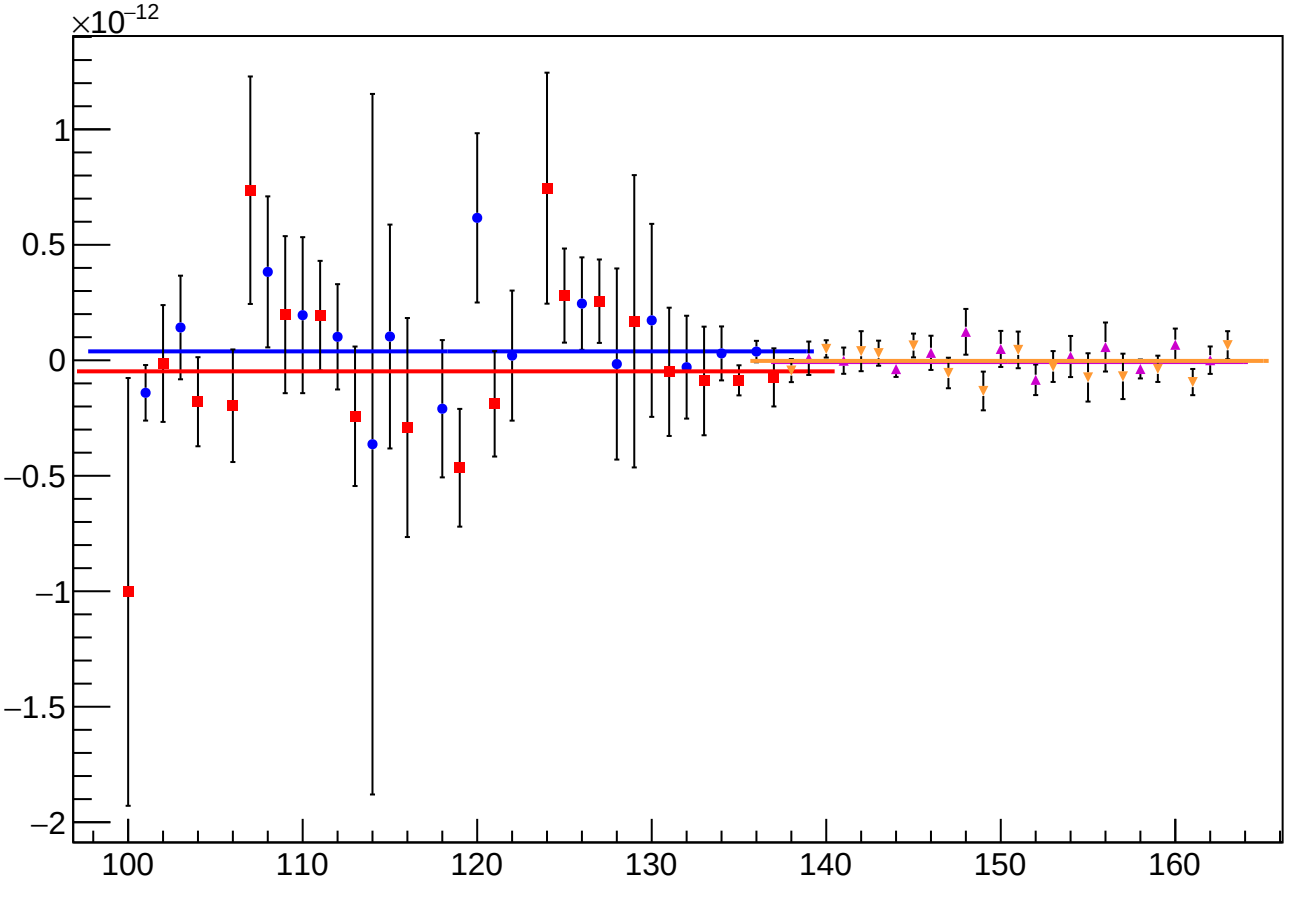
Left: 1579.553+/-0.243 χ^2/NDF: 503118.4/25

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1755.474+/-0.305 χ^2/NDF:1990852.6/27

Out: 1747.070+/-0.296 χ^2/NDF:2430178.8/32

All: 1751.143+/-0.213 χ^2/NDF: 4421421.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.9/11

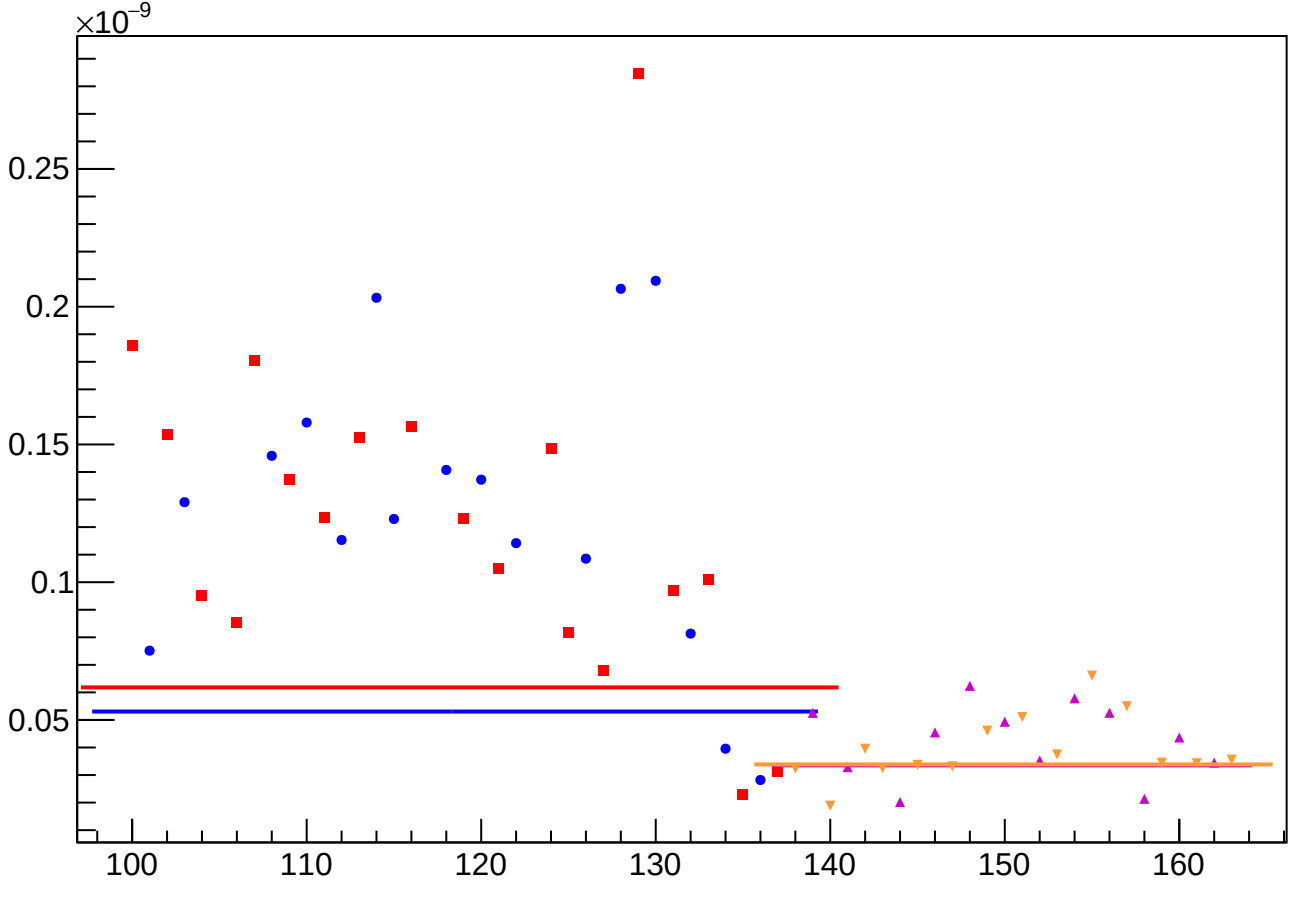
Left: -0.000+/-0.000 χ^2/NDF: 20.6/25

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:16.7/27

Out: -0.000+/-0.000 χ^2/NDF:32.8/32

All: -0.000+/-0.000 χ^2/NDF: 49.6/60



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:758725.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1182894.2/11

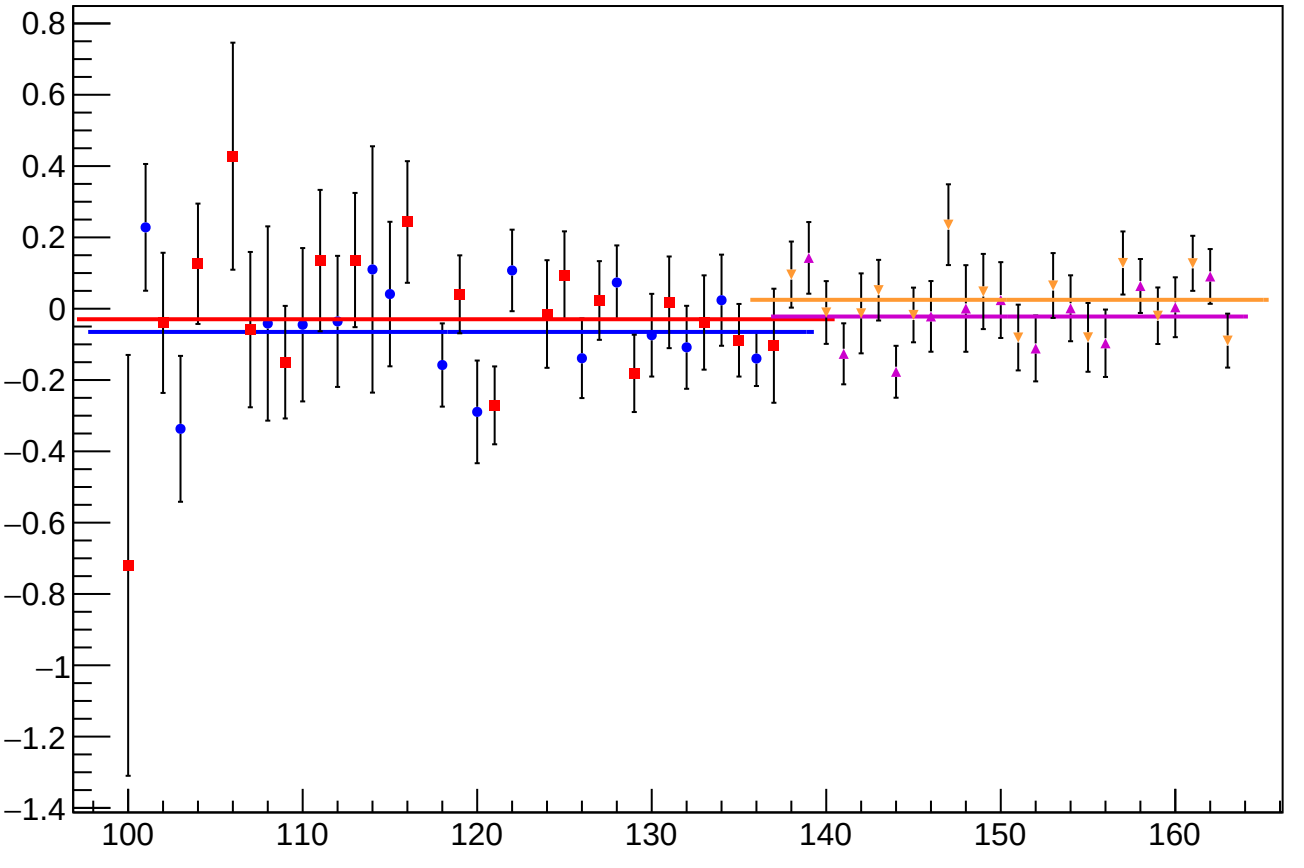
Left: 0.000+/-0.000 χ^2/NDF: 1942044.8/25

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4230918.9/27

Out: 0.000+/-0.000 χ^2/NDF:3905494.5/32

All: 0.000+/-0.000 χ^2/NDF: 8136531.8/60



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.026 χ^2/NDF:14.1/11

Left: 0.003+/-0.017 χ^2/NDF: 29.1/25

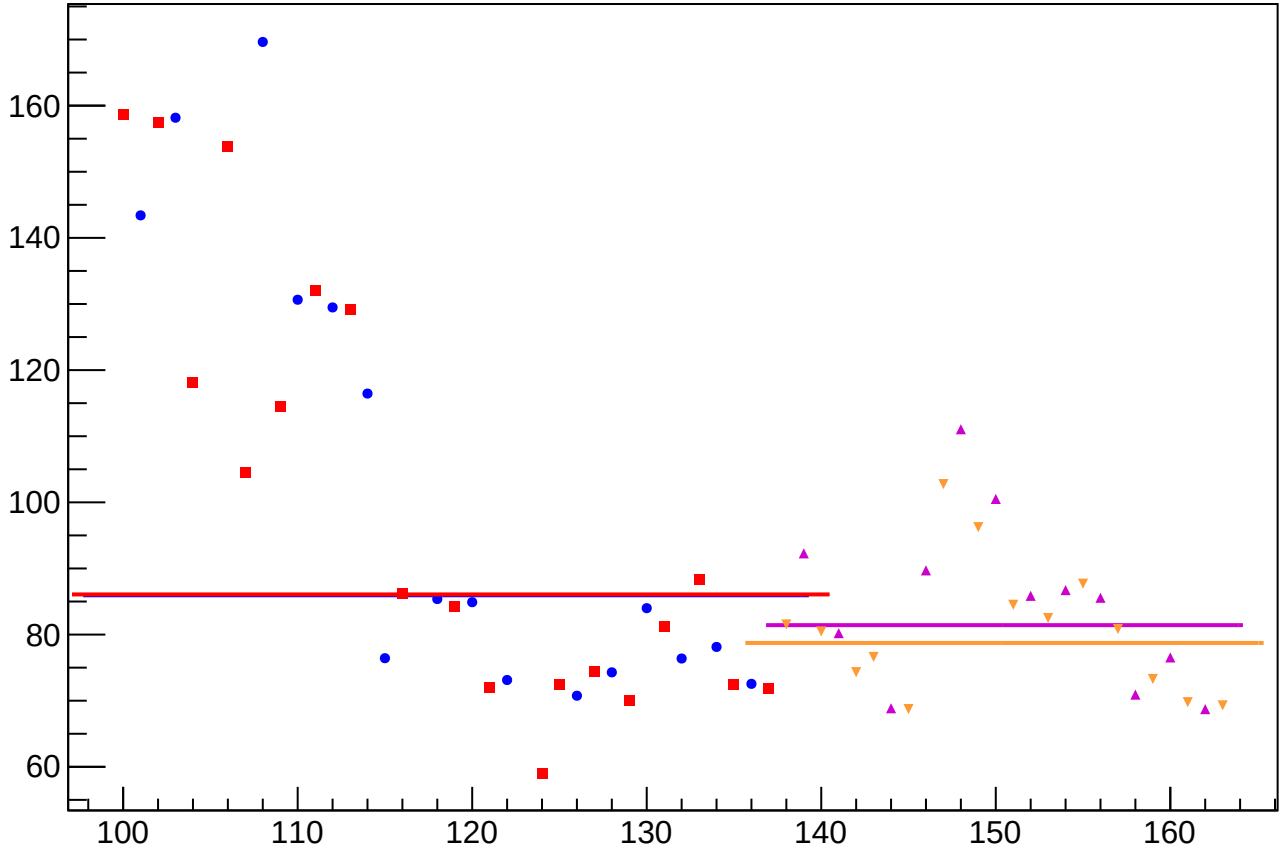
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.038+/-0.020 χ^2/NDF:29.3/27

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.015+/-0.014 χ^2/NDF: 64.9/60

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.736+/-0.017 χ^2/NDF:283282.7/13

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 81.429+/-0.018 χ^2/NDF:395850.3/11

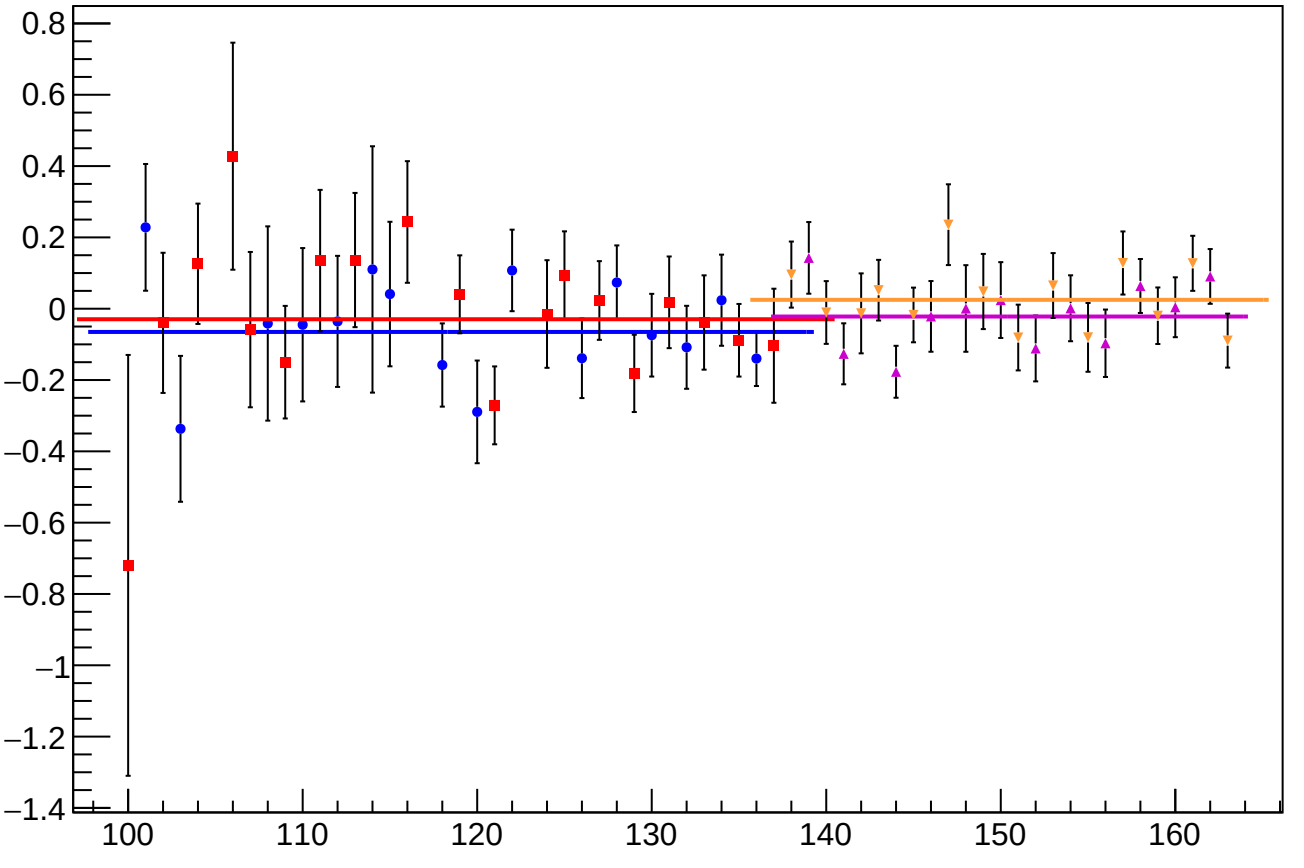
Left: 79.975+/-0.012 χ^2/NDF: 690985.6/25

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

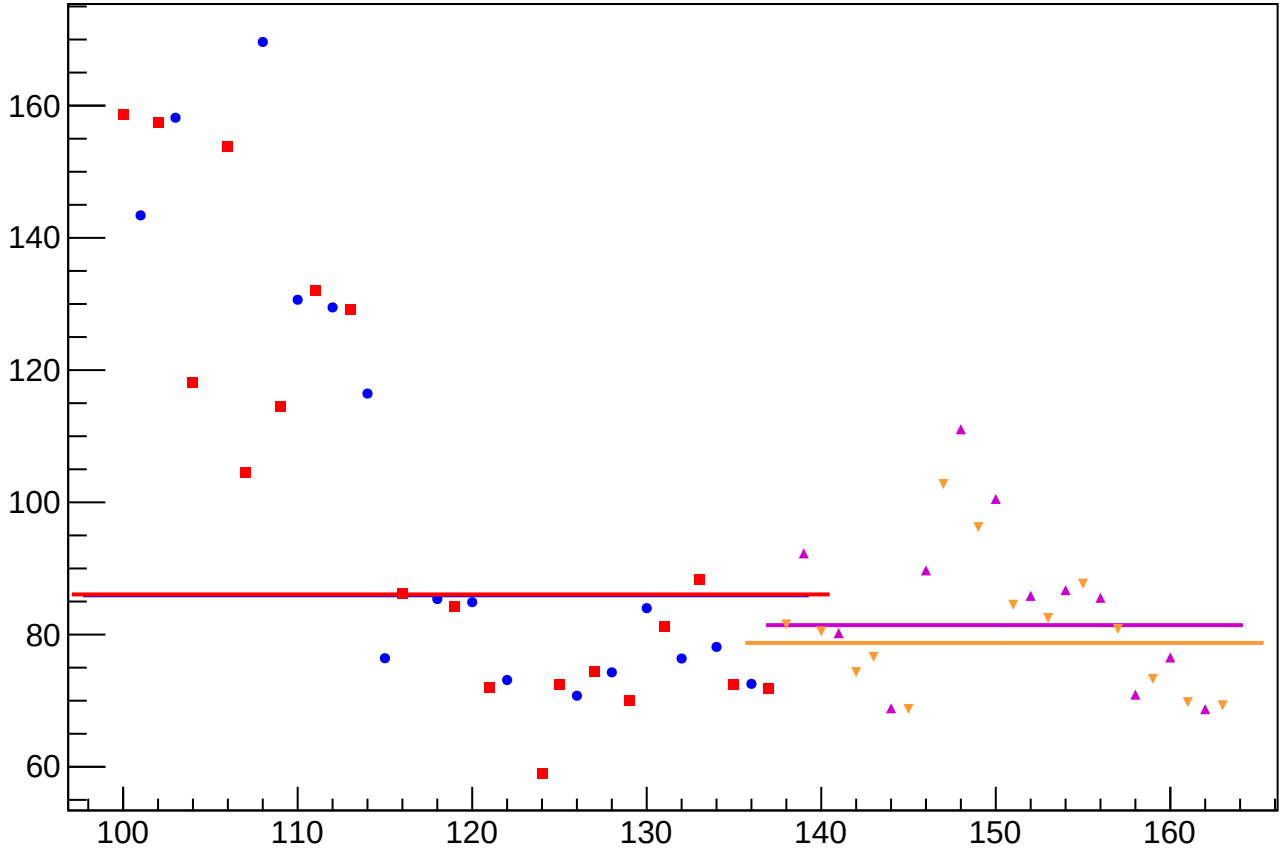
In: 83.114+/-0.014 χ^2/NDF:1453912.6/27

Out: 81.240+/-0.014 χ^2/NDF:1339917.8/32

All: 82.126+/-0.010 χ^2/NDF: 2802780.5/60


asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
Right In: -0.065+/-0.033 χ²/NDF: 14.2/15
Left Out: 0.025+/-0.024 χ²/NDF:13.2/13
Right Out: -0.030+/-0.033 χ²/NDF: 18.1/18
Left In: -0.022+/-0.026 χ²/NDF:14.1/11
Left: 0.003+/-0.017 χ²/NDF: 29.1/25
Right: -0.047+/-0.023 χ²/NDF: 32.8/34
In: -0.038+/-0.020 χ²/NDF:29.3/27
Out: 0.006+/-0.019 χ²/NDF:33.1/32
All: -0.015+/-0.014 χ²/NDF: 64.9/60

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 78.736+/-0.017 χ^2/NDF:283282.7/13

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 81.429+/-0.018 χ^2/NDF:395850.3/11

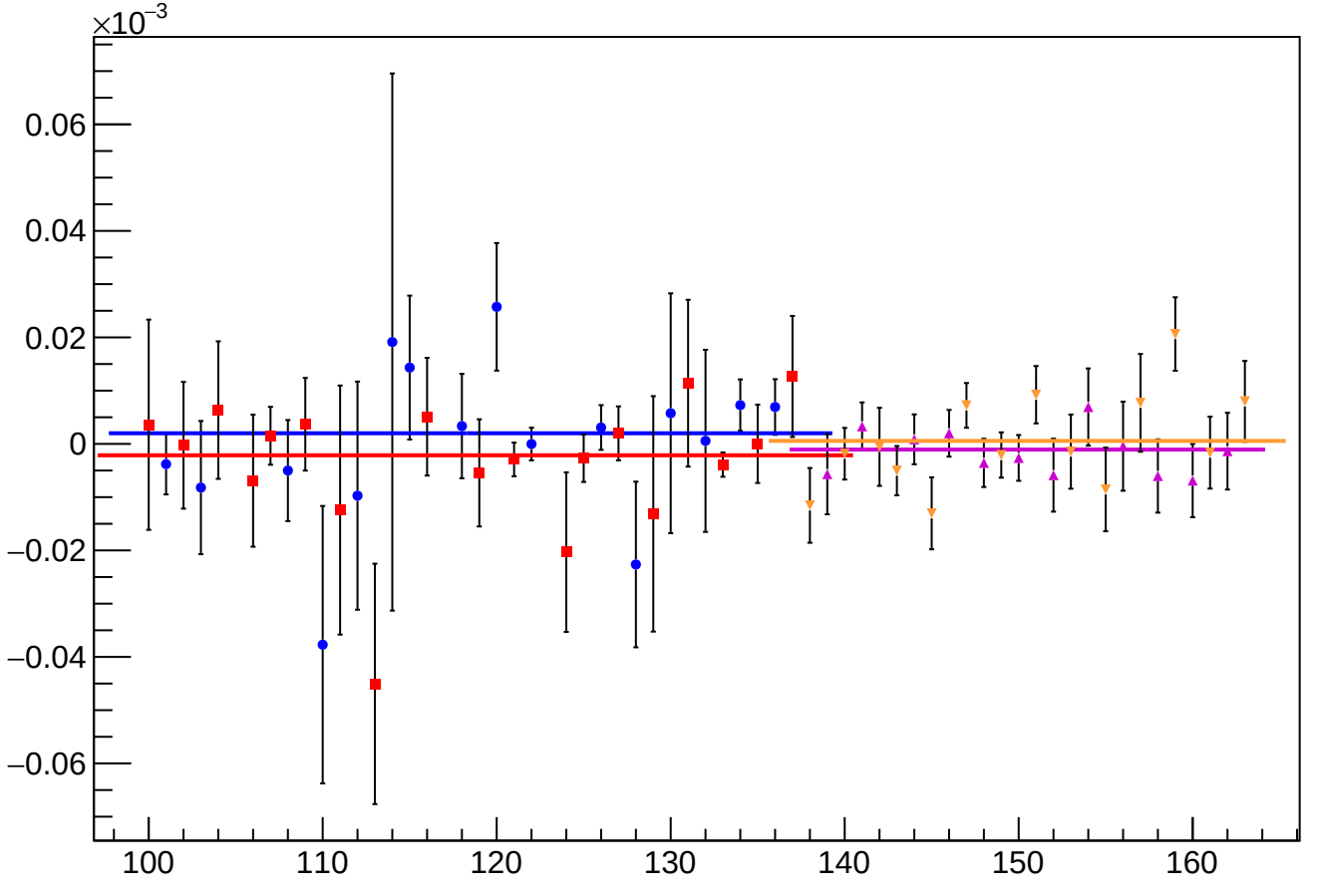
Left: 79.975+/-0.012 χ^2/NDF: 690985.6/25

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 83.114+/-0.014 χ^2/NDF:1453912.6/27

Out: 81.240+/-0.014 χ^2/NDF:1339917.8/32

All: 82.126+/-0.010 χ^2/NDF: 2802780.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:5.3/11

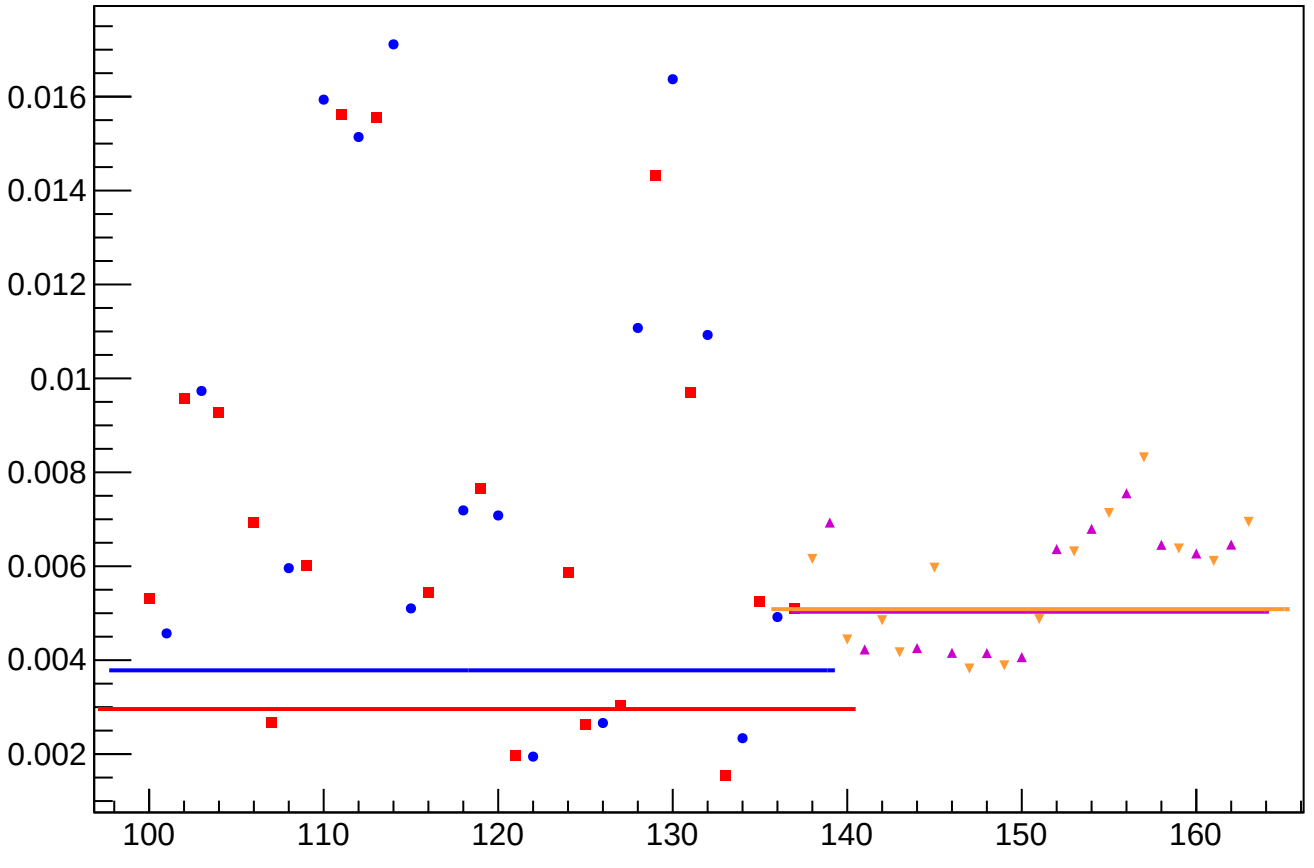
Left: -0.000+/-0.000 χ^2/NDF: 31.7/25

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:21.9/27

Out: -0.000+/-0.000 χ^2/NDF:39.0/32

All: -0.000+/-0.000 χ^2/NDF: 61.5/60



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1221740.0/13

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1106908.5/11

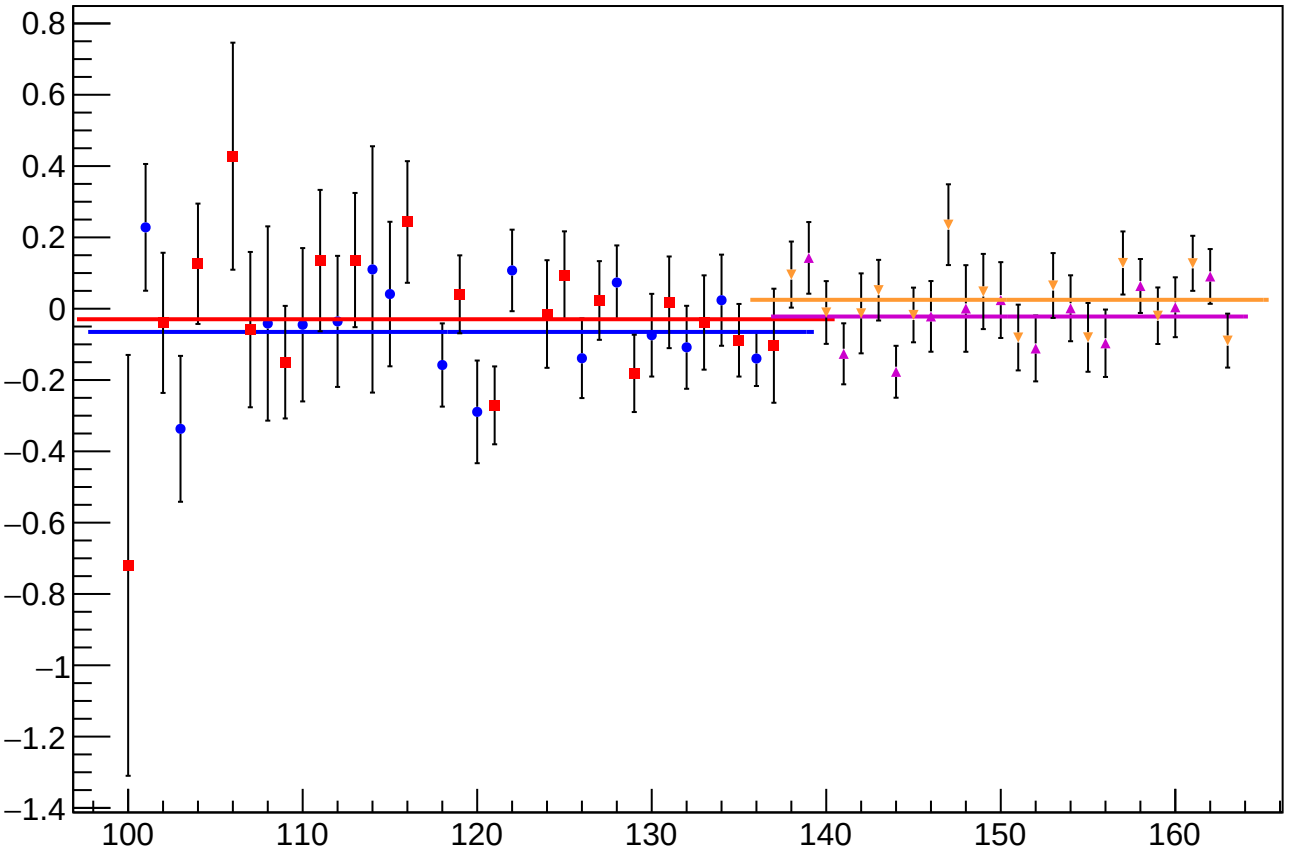
Left: 0.005+/-0.000 χ^2/NDF: 2329847.7/25

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.004+/-0.000 χ^2/NDF:6351279.4/27

Out: 0.004+/-0.000 χ^2/NDF:8810912.6/32

All: 0.004+/-0.000 χ^2/NDF: 15407180.0/60



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.026 χ^2/NDF:14.1/11

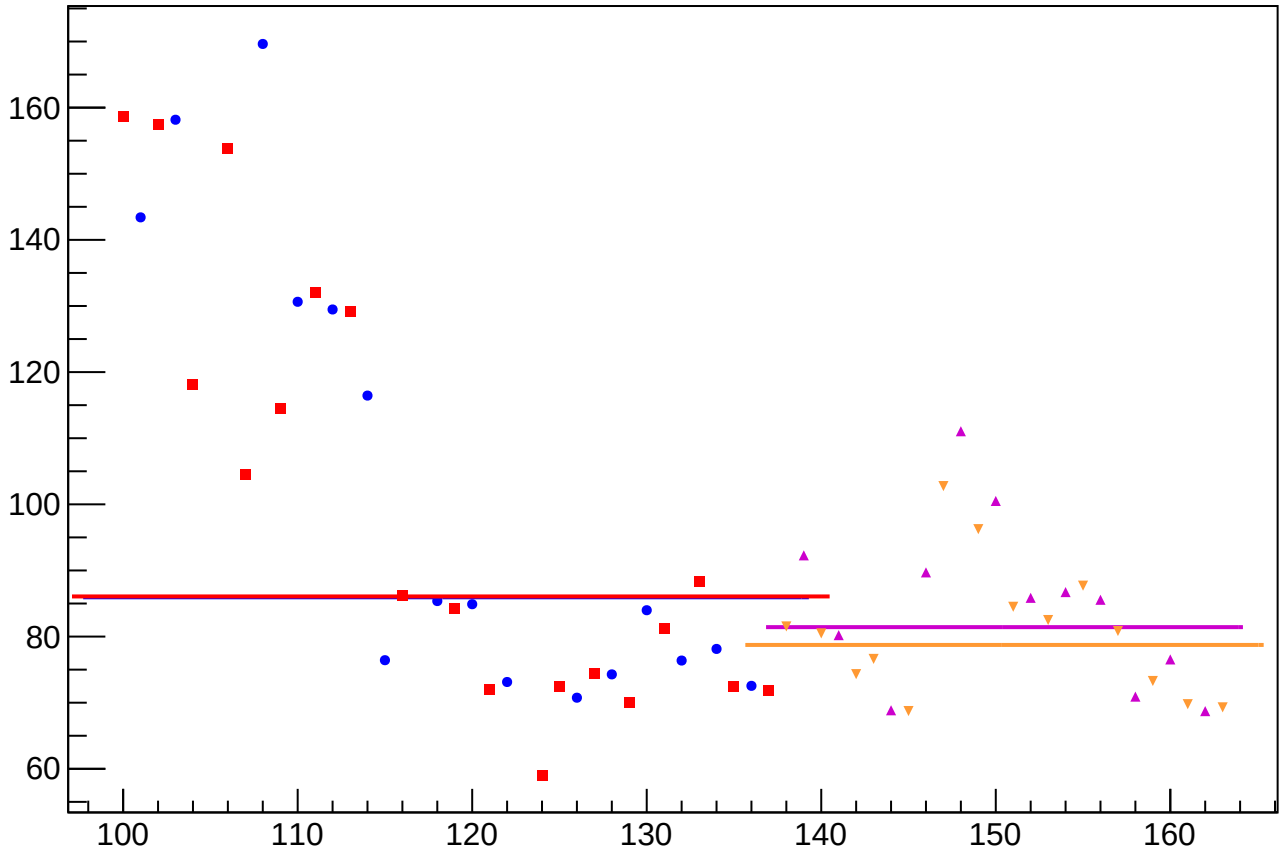
Left: 0.003+/-0.017 χ^2/NDF: 29.1/25

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.038+/-0.020 χ^2/NDF:29.3/27

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.015+/-0.014 χ^2/NDF: 64.9/60



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 78.736+/-0.017 χ^2/NDF:283315.5/13

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 81.428+/-0.018 χ^2/NDF:395890.8/11

Left: 79.975+/-0.012 χ^2/NDF: 691055.2/25

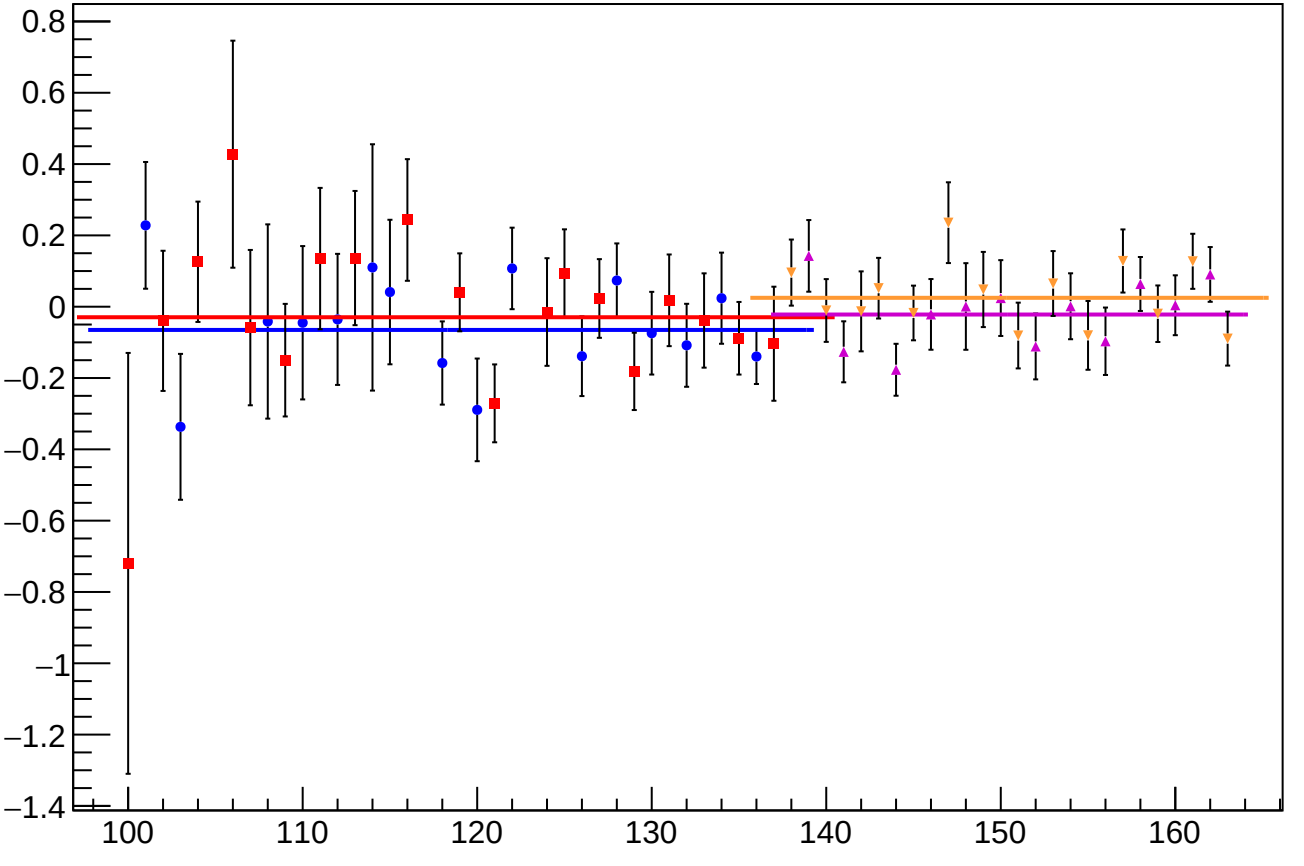
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.112+/-0.014 χ^2/NDF:1453919.6/27

Out: 81.239+/-0.014 χ^2/NDF:1339916.4/32

All: 82.124+/-0.010 χ^2/NDF: 2802781.7/60

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: 0.025+/-0.024 χ^2/NDF:13.2/13

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.022+/-0.026 χ^2/NDF:14.1/11

Left: 0.003+/-0.017 χ^2/NDF: 29.1/25

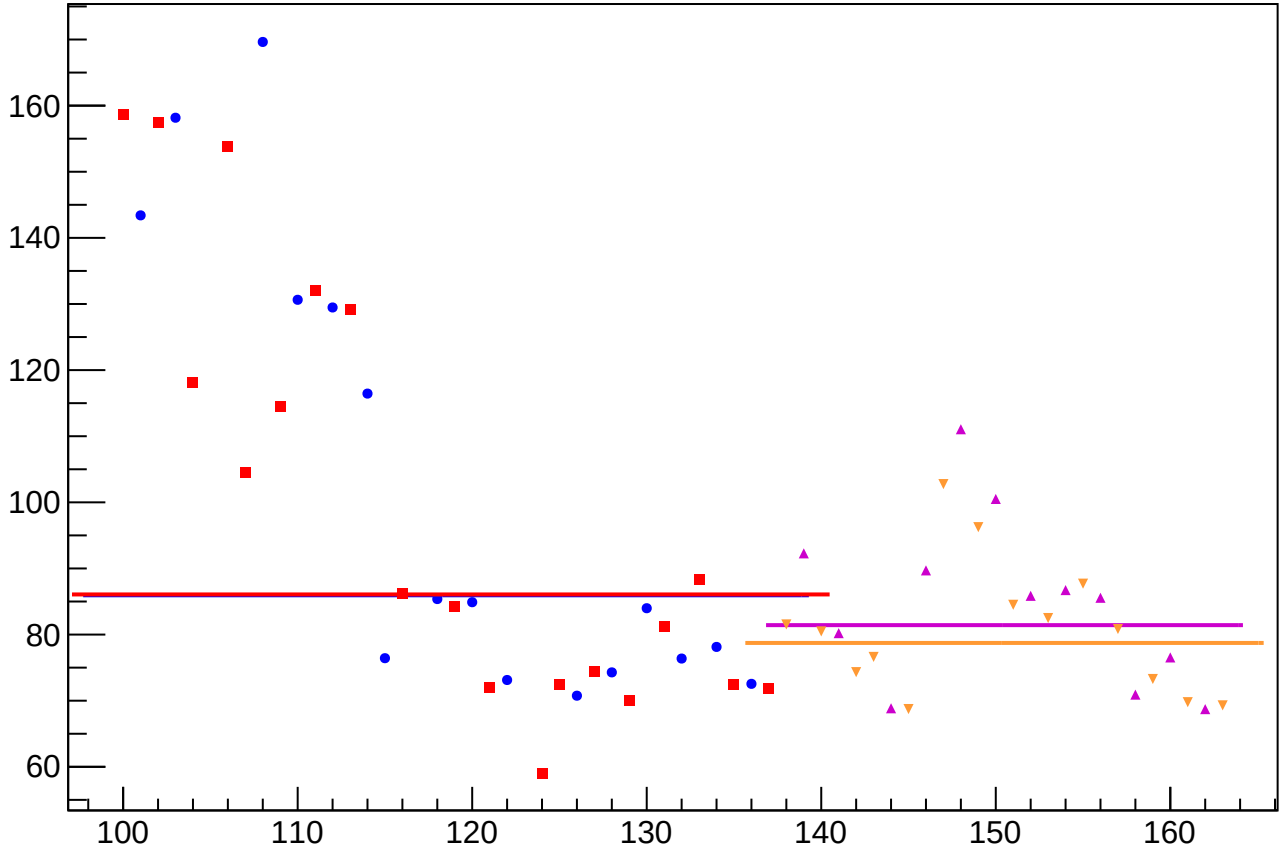
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.038+/-0.020 χ^2/NDF:29.3/27

Out: 0.006+/-0.019 χ^2/NDF:33.1/32

All: -0.015+/-0.014 χ^2/NDF: 64.9/60

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: 78.736+/-0.017 χ^2/NDF:283315.5/13

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 81.428+/-0.018 χ^2/NDF:395890.8/11

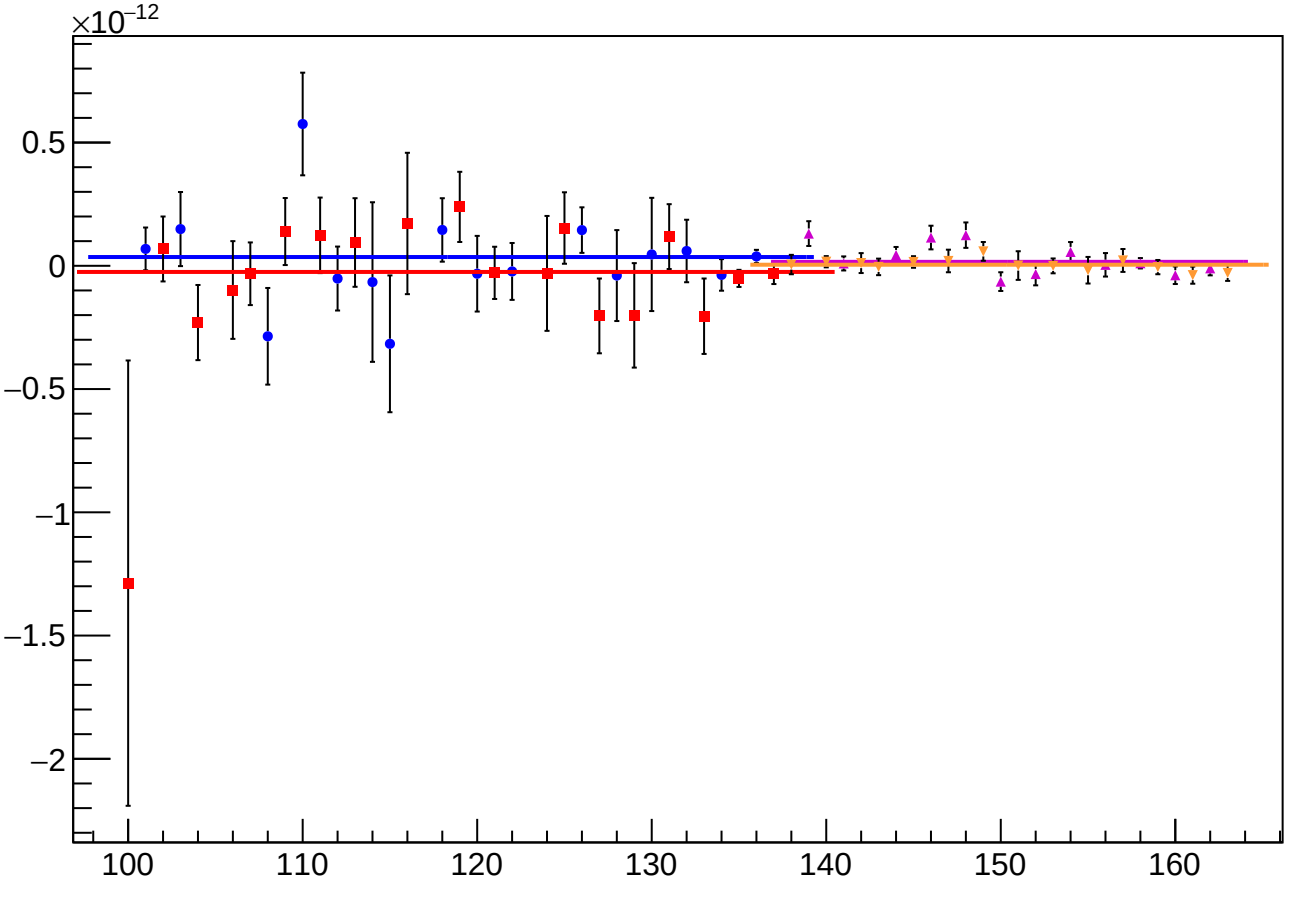
Left: 79.975+/-0.012 χ^2/NDF: 691055.2/25

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 83.112+/-0.014 χ^2/NDF:1453919.6/27

Out: 81.239+/-0.014 χ^2/NDF:1339916.4/32

All: 82.124+/-0.010 χ^2/NDF: 2802781.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/11

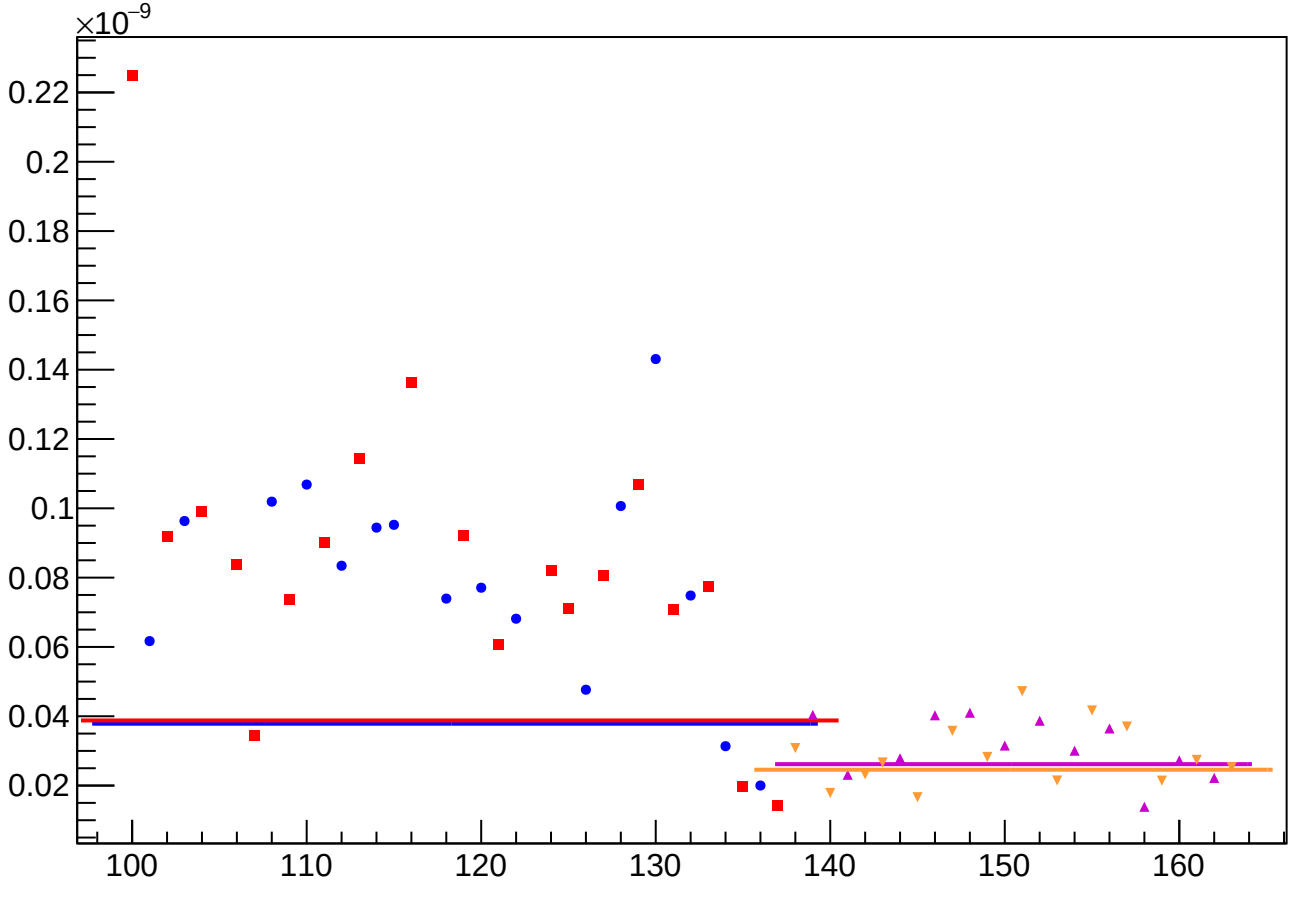
Left: 0.000+/-0.000 χ^2/NDF: 31.0/25

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:41.6/27

Out: 0.000+/-0.000 χ^2/NDF:25.1/32

All: 0.000+/-0.000 χ^2/NDF: 69.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1309443.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1552451.7/11

Left: 0.000+/-0.000 χ^2/NDF: 2890289.7/25

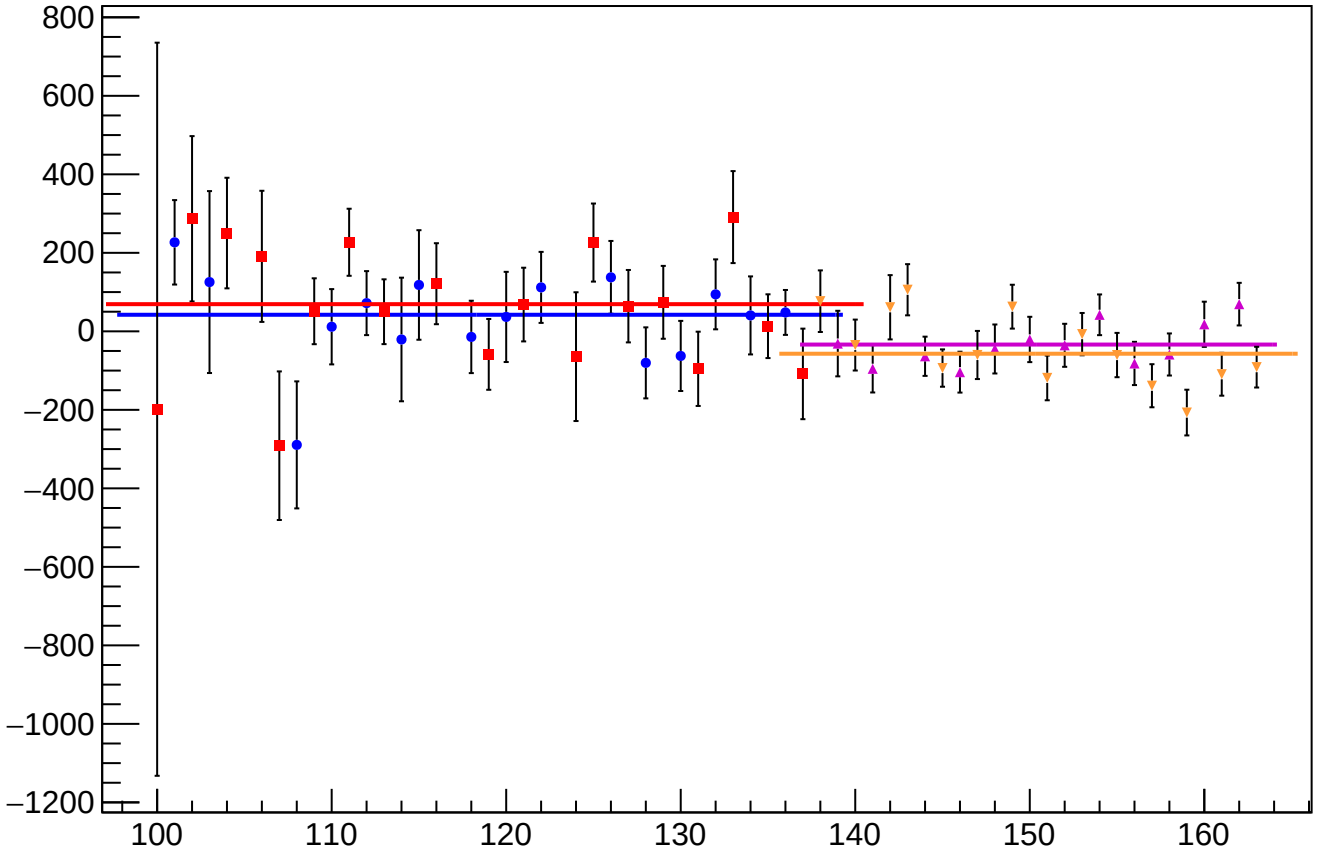
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:5527161.4/27

Out: 0.000+/-0.000 χ^2/NDF:6136286.4/32

All: 0.000+/-0.000 χ^2/NDF: 11707506.6/60

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.041+/-15.594 χ^2/NDF:28.8/13

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -33.674+/-16.290 χ^2/NDF:10.8/11

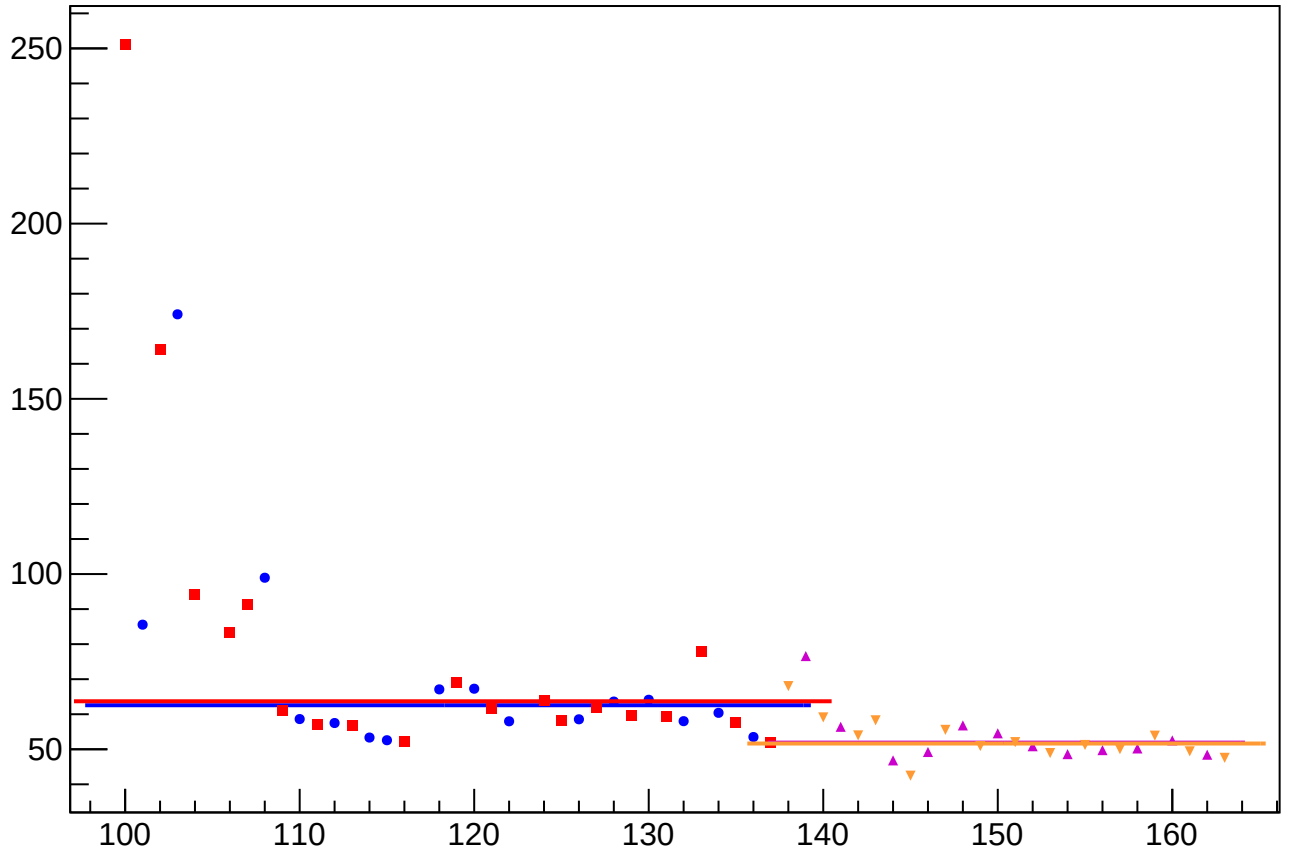
Left: -45.867+/-11.264 χ^2/NDF: 40.7/25

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.019+/-13.515 χ^2/NDF:31.2/27

Out: -20.457+/-13.142 χ^2/NDF:73.1/32

All: -15.383+/-9.422 χ^2/NDF: 104.6/60



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 51.899+/-0.012 χ^2/NDF:250604.2/11

Left: 51.764+/-0.008 χ^2/NDF: 495164.7/25

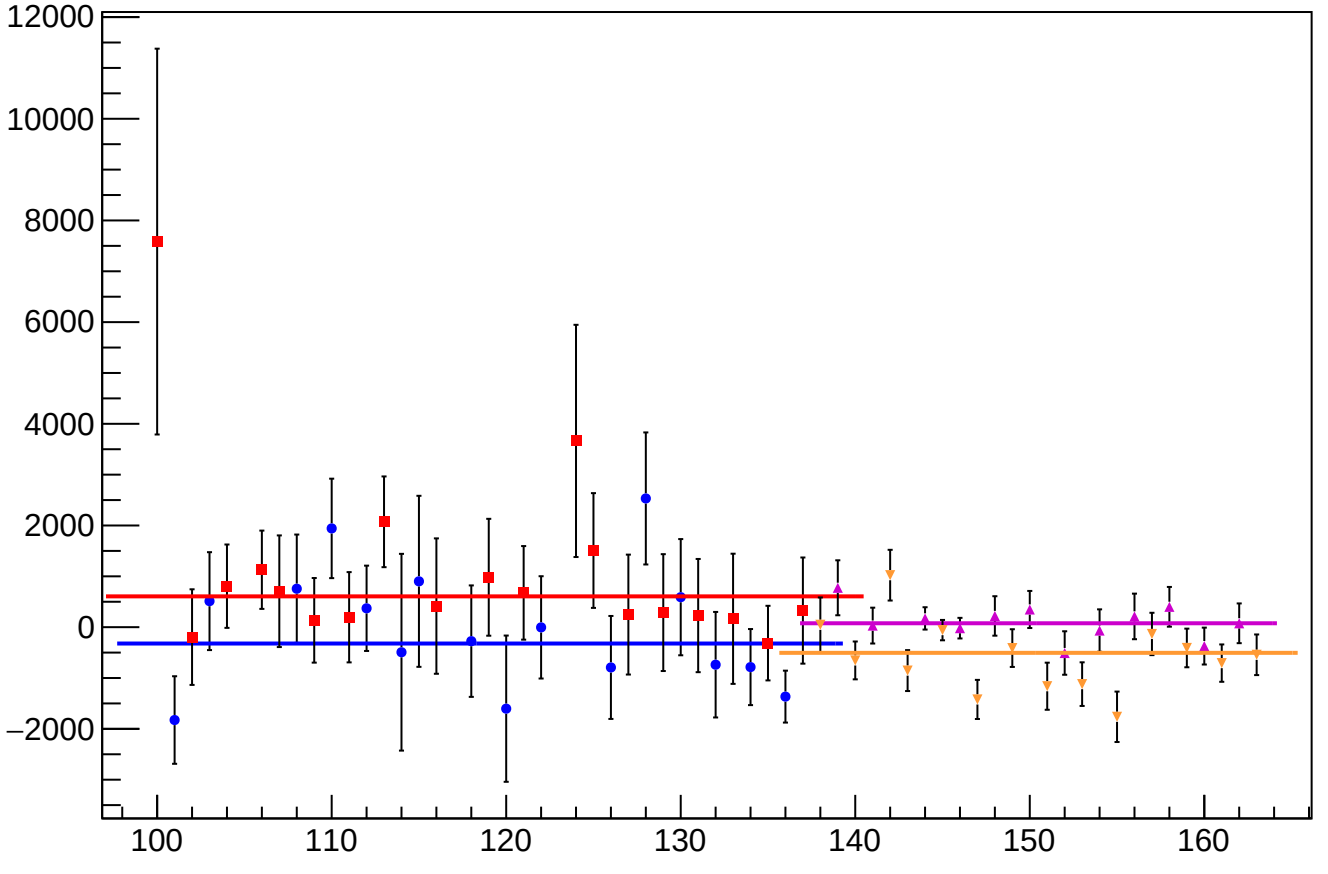
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 55.224+/-0.010 χ^2/NDF:1276488.5/27

Out: 55.134+/-0.009 χ^2/NDF:1424955.0/32

All: 55.177+/-0.007 χ^2/NDF: 2701489.3/60

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -504.855+/-99.830 χ^2/NDF:33.7/13

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 76.857+/-96.396 χ^2/NDF:7.1/11

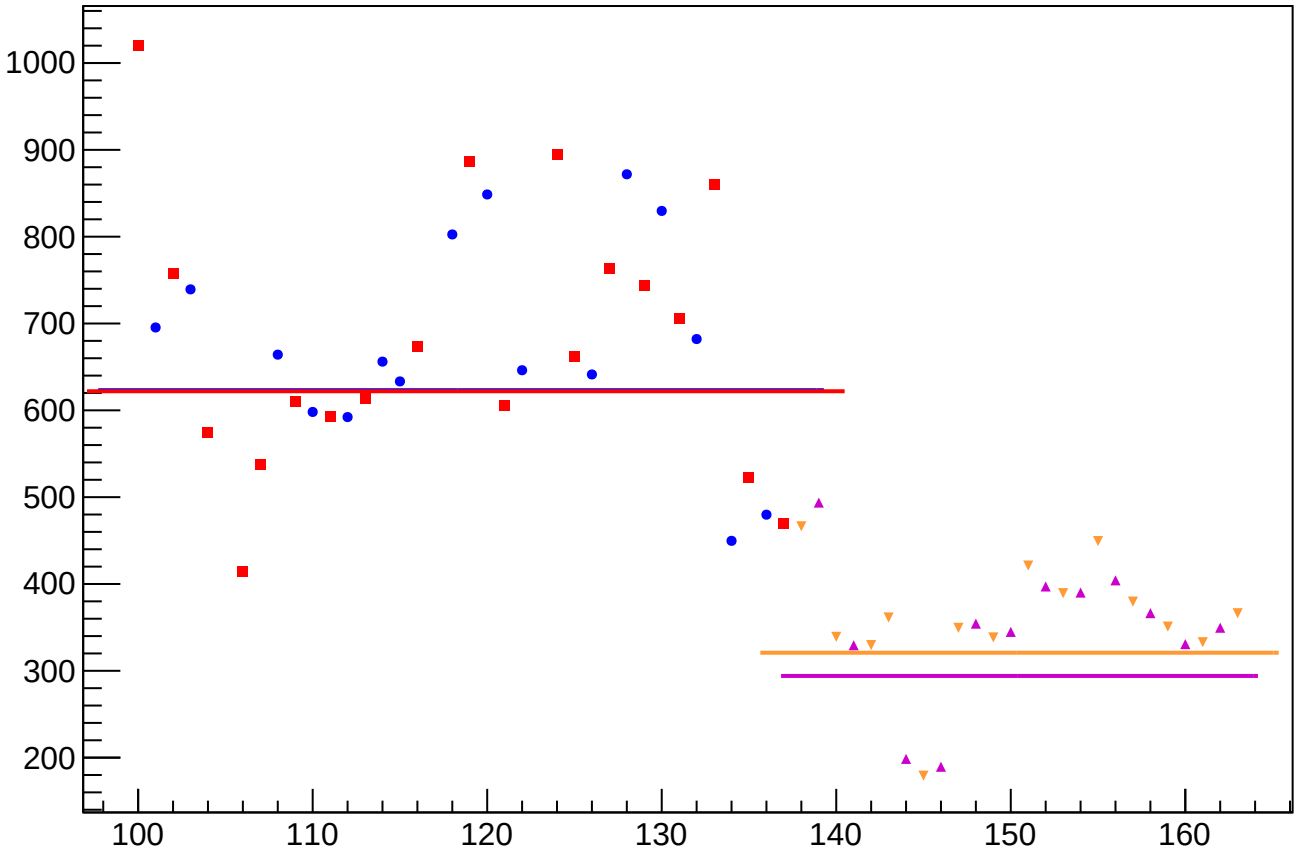
Left: -203.821+/-69.345 χ^2/NDF: 58.4/25

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 20.889+/-89.371 χ^2/NDF:32.2/27

Out: -333.381+/-91.802 χ^2/NDF:65.3/32

All: -151.494+/-64.037 χ^2/NDF: 105.2/60



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 320.835+/-0.071 χ^2/NDF:1547576.0/13

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 294.091+/-0.068 χ^2/NDF:1763207.0/11

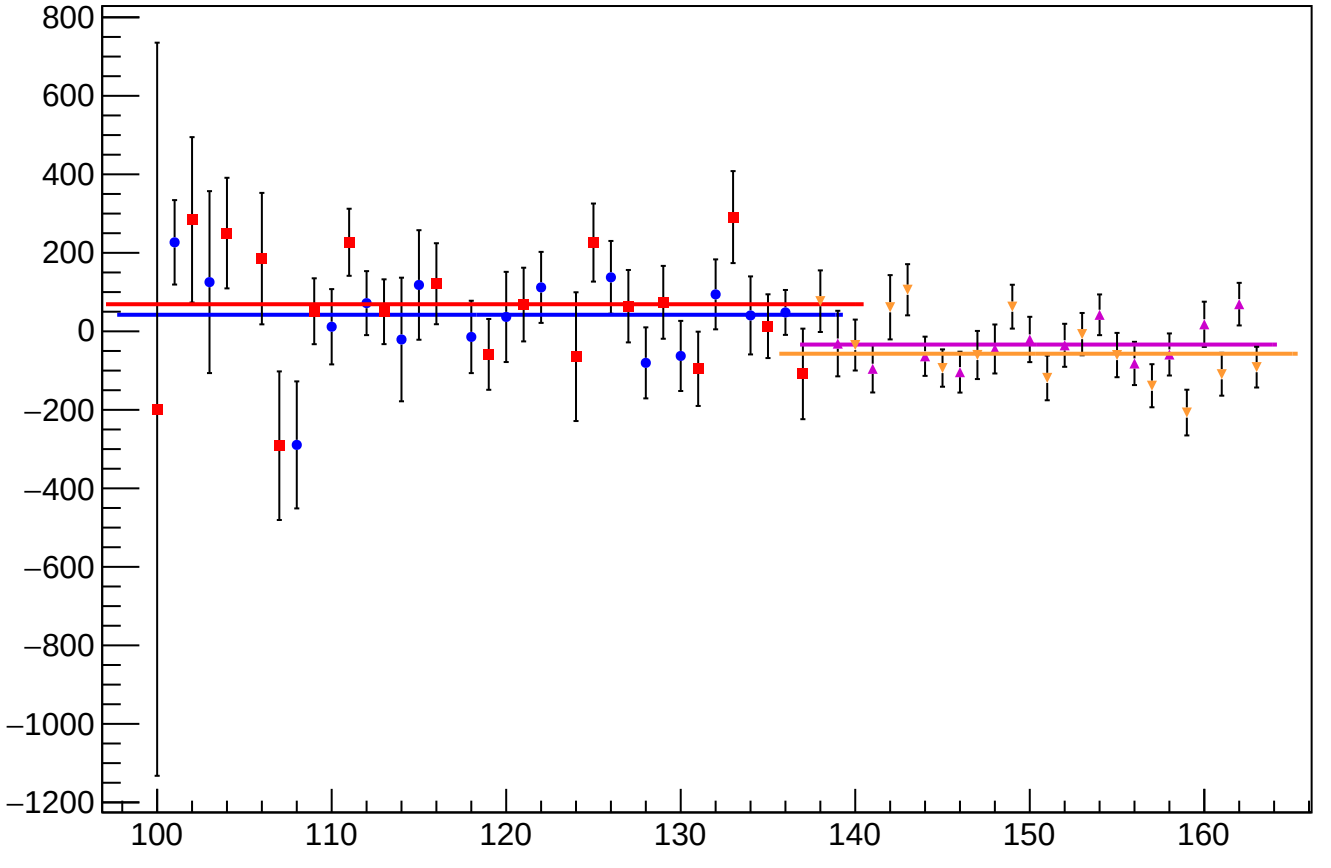
Left: 306.995+/-0.049 χ^2/NDF: 3385061.1/25

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 340.307+/-0.063 χ^2/NDF:5602329.1/27

Out: 367.325+/-0.065 χ^2/NDF:4939713.2/32

All: 353.454+/-0.045 χ^2/NDF: 10630981.0/60



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -33.673+/-16.290 χ^2/NDF:10.8/11

Left: -45.866+/-11.264 χ^2/NDF: 40.7/25

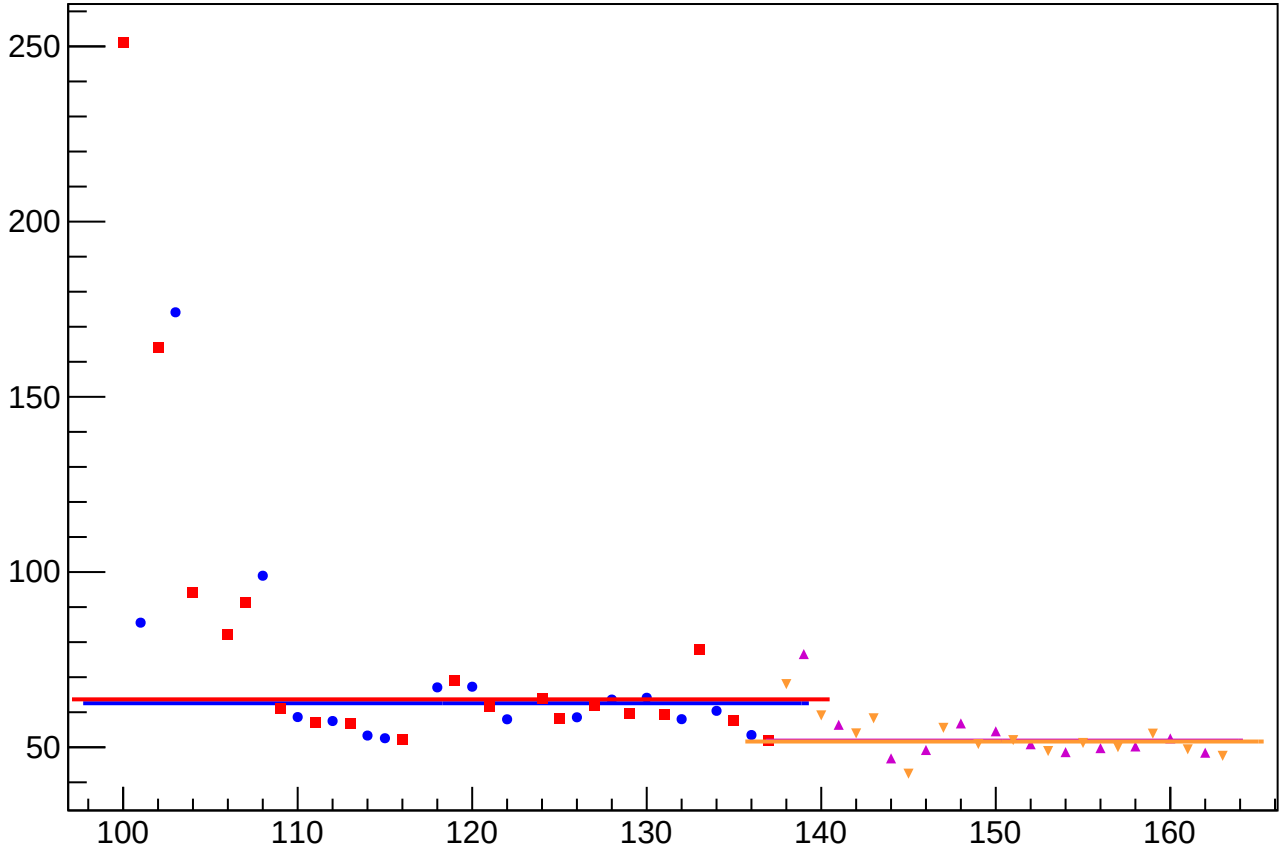
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.020+/-13.515 χ^2/NDF:31.2/27

Out: -20.511+/-13.143 χ^2/NDF:73.0/32

All: -15.412+/-9.422 χ^2/NDF: 104.5/60

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.899+/-0.012 χ^2/NDF:250604.2/11

Left: 51.764+/-0.008 χ^2/NDF: 495164.7/25

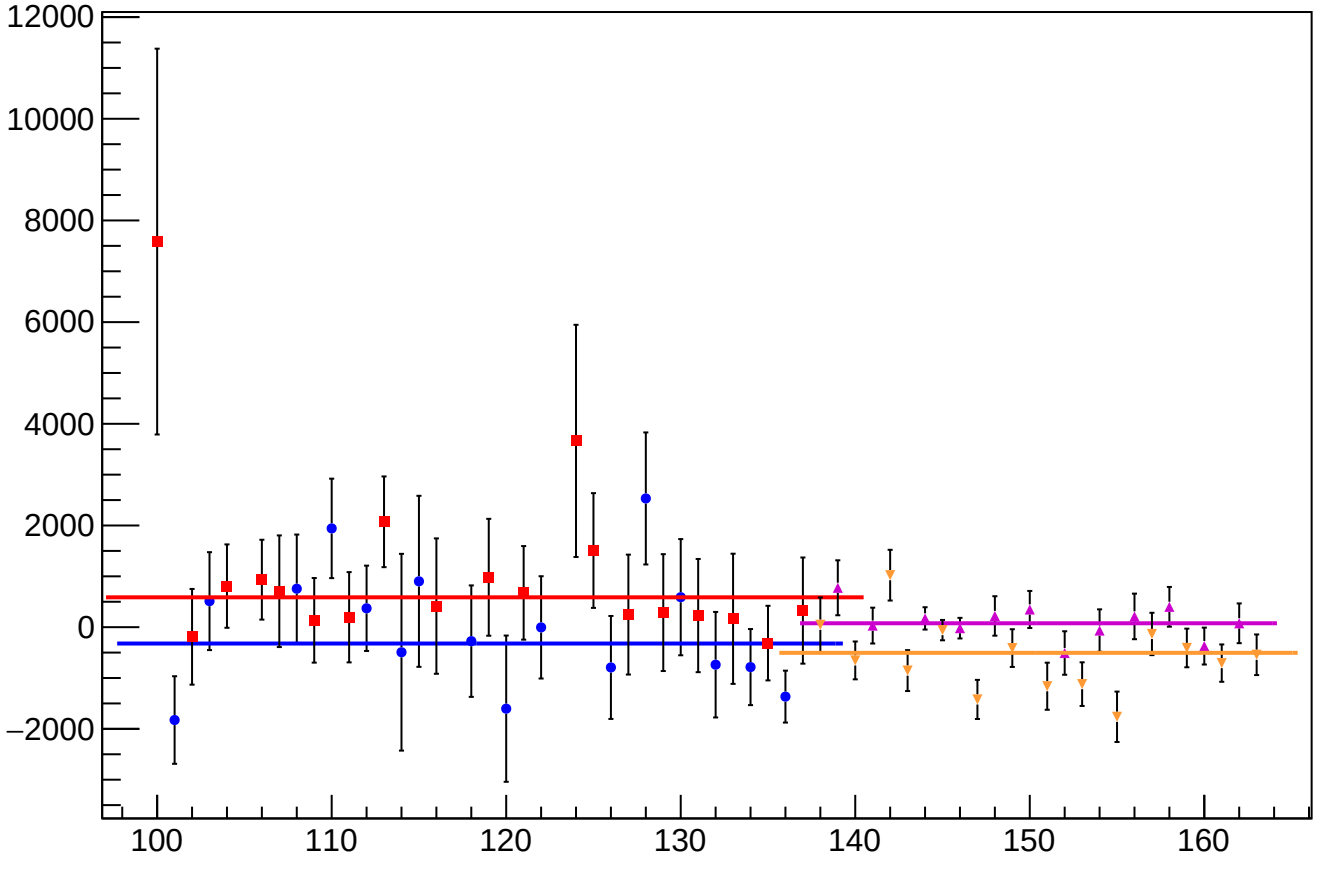
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.224+/-0.010 χ^2/NDF:1276490.4/27

Out: 55.126+/-0.009 χ^2/NDF:1420791.8/32

All: 55.174+/-0.007 χ^2/NDF: 2697335.8/60

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: -504.851+/-99.830 χ^2/NDF:33.7/13

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 76.860+/-96.396 χ^2/NDF:7.1/11

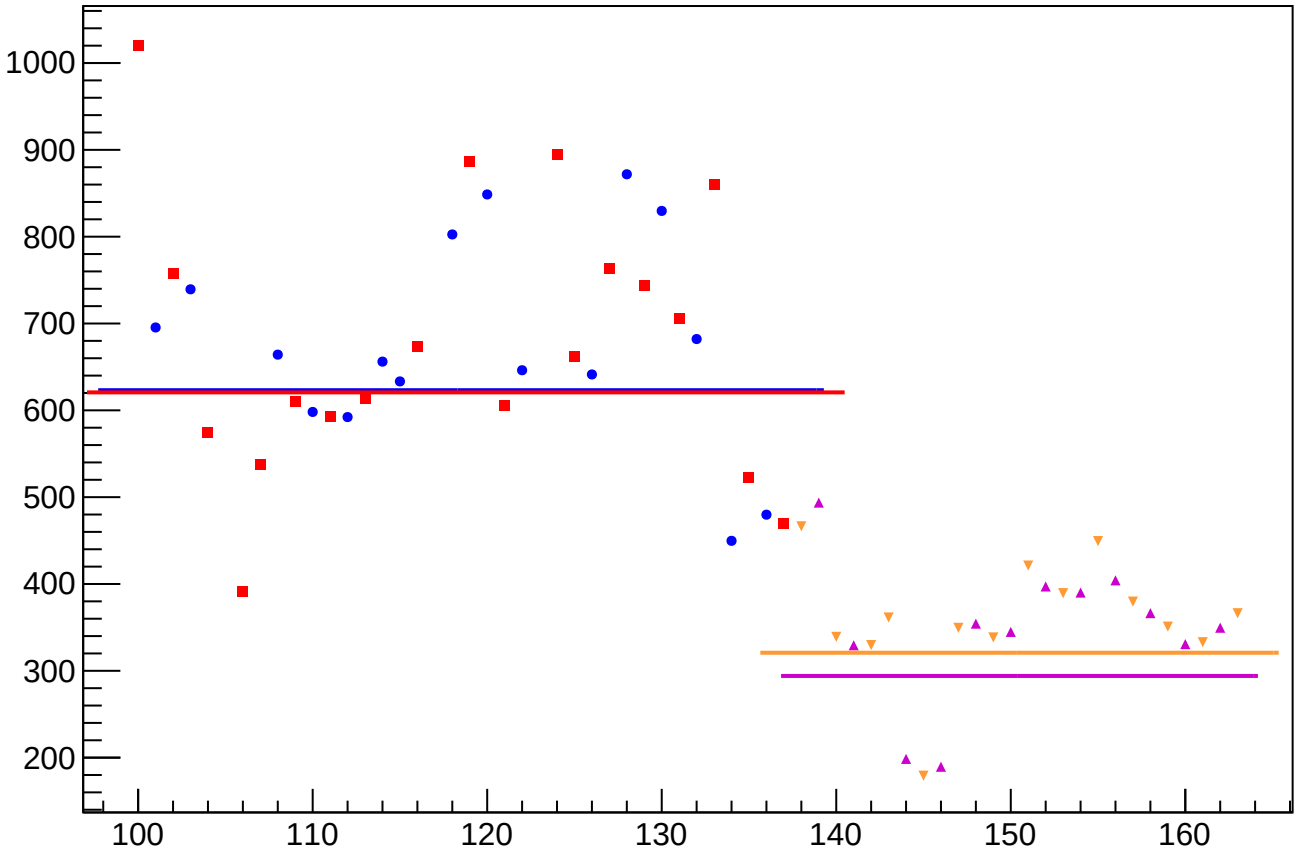
Left: -203.817+/-69.345 χ^2/NDF: 58.4/25

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 20.894+/-89.371 χ^2/NDF:32.2/27

Out: -336.787+/-91.828 χ^2/NDF:64.3/32

All: -153.098+/-64.046 χ^2/NDF: 104.3/60



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 294.090+/-0.068 χ^2/NDF:1763213.1/11

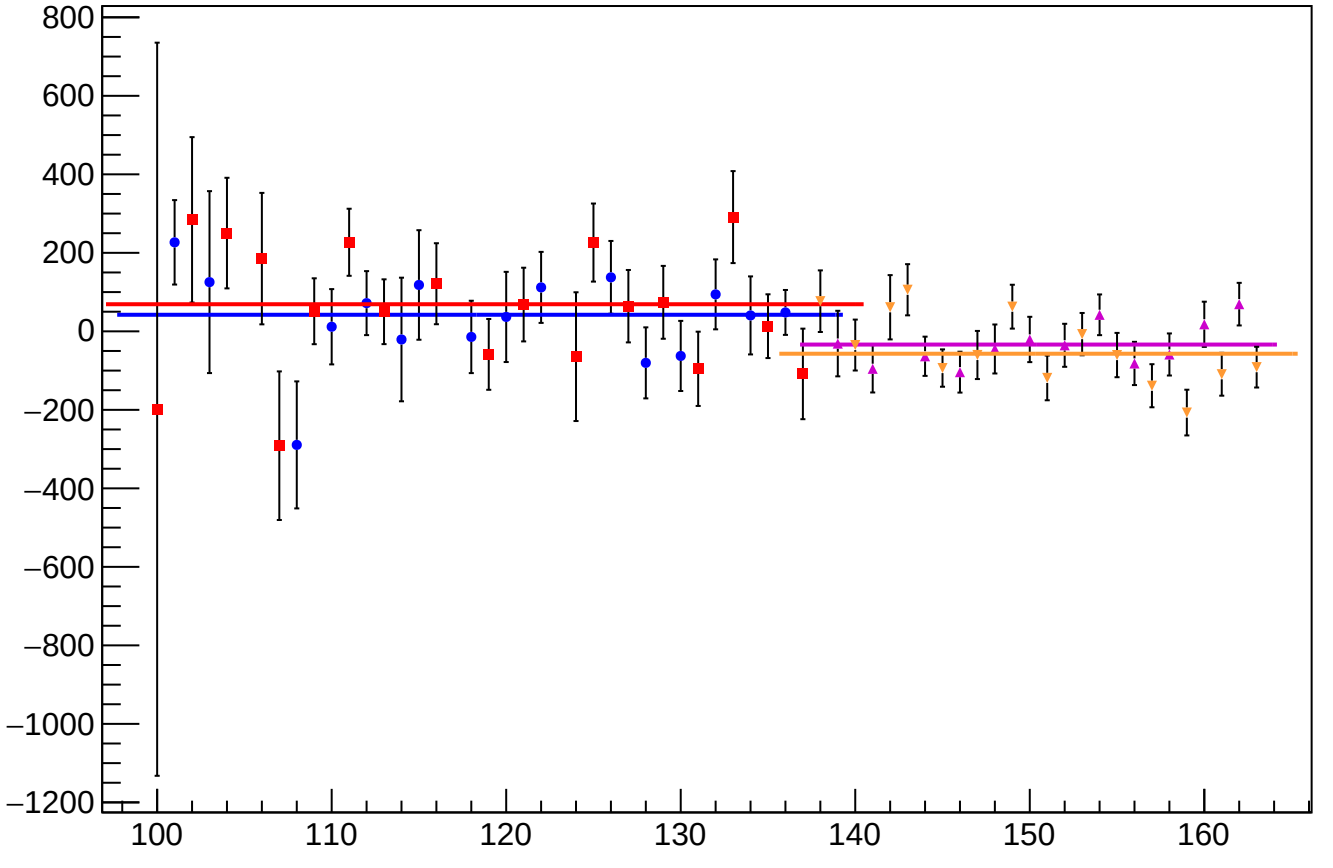
Left: 306.994+/-0.049 χ^2/NDF: 3385074.7/25

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 340.307+/-0.063 χ^2/NDF:5602396.2/27

Out: 366.978+/-0.065 χ^2/NDF:4934631.1/32

All: 353.281+/-0.045 χ^2/NDF: 10623671.2/60



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -57.039+/-15.594 χ^2/NDF:28.8/13

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -33.673+/-16.290 χ^2/NDF:10.8/11

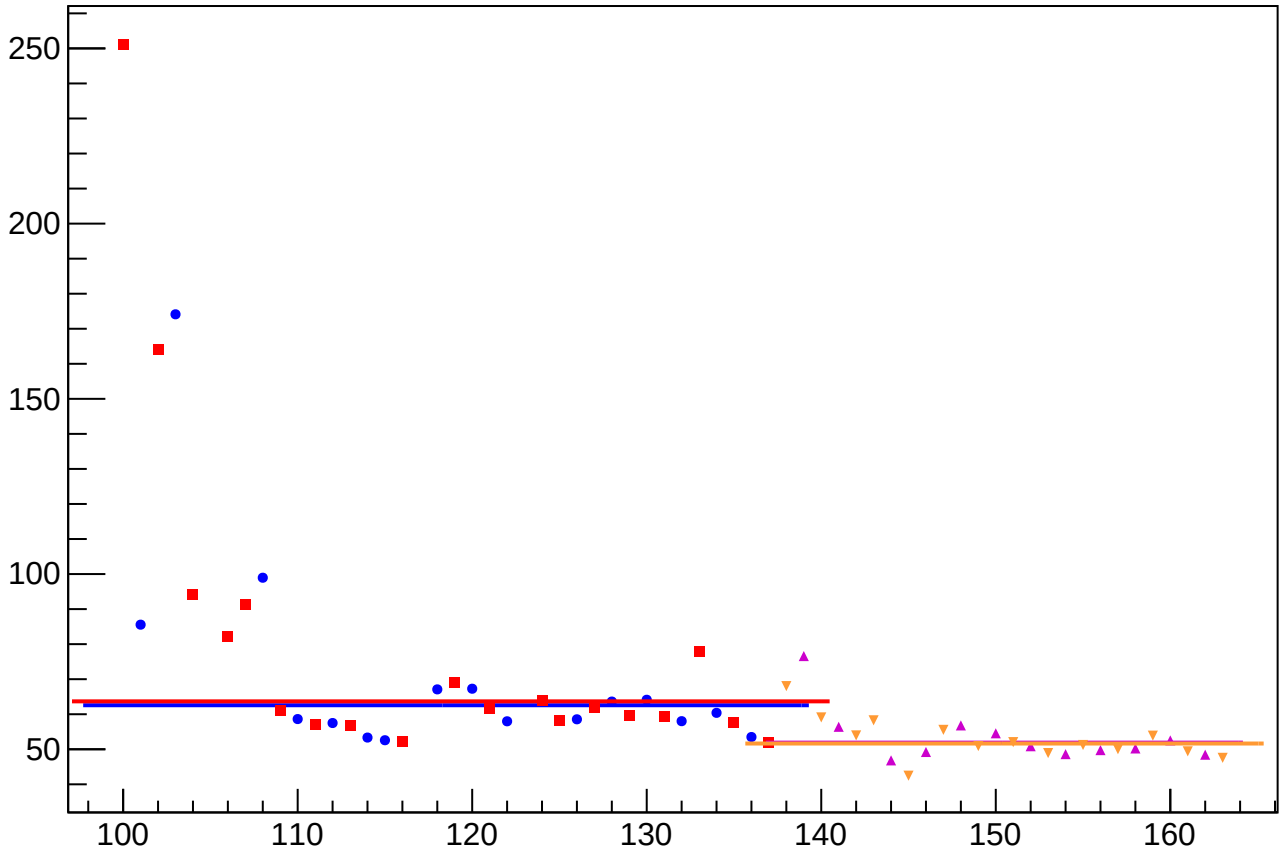
Left: -45.866+/-11.264 χ^2/NDF: 40.7/25

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.020+/-13.515 χ^2/NDF:31.2/27

Out: -20.511+/-13.143 χ^2/NDF:73.0/32

All: -15.412+/-9.422 χ^2/NDF: 104.5/60



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 51.640+/-0.011 χ^2/NDF:244296.8/13

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 51.899+/-0.012 χ^2/NDF:250604.2/11

Left: 51.764+/-0.008 χ^2/NDF: 495164.7/25

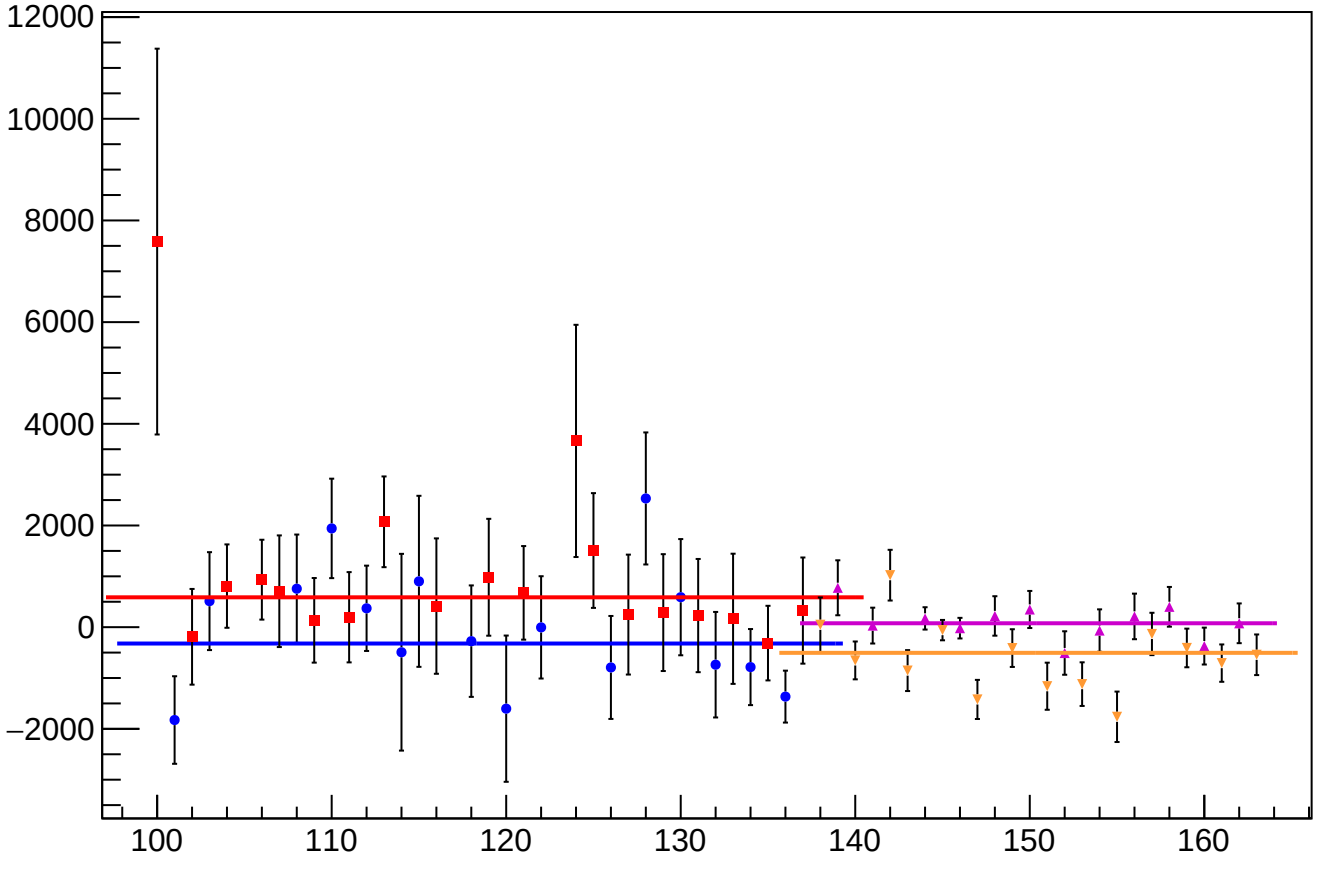
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 55.224+/-0.010 χ^2/NDF:1276490.4/27

Out: 55.126+/-0.009 χ^2/NDF:1420791.8/32

All: 55.174+/-0.007 χ^2/NDF: 2697335.8/60

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: -504.851+/-99.830 χ^2/NDF:33.7/13

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 76.860+/-96.396 χ^2/NDF:7.1/11

Left: -203.817+/-69.345 χ^2/NDF: 58.4/25

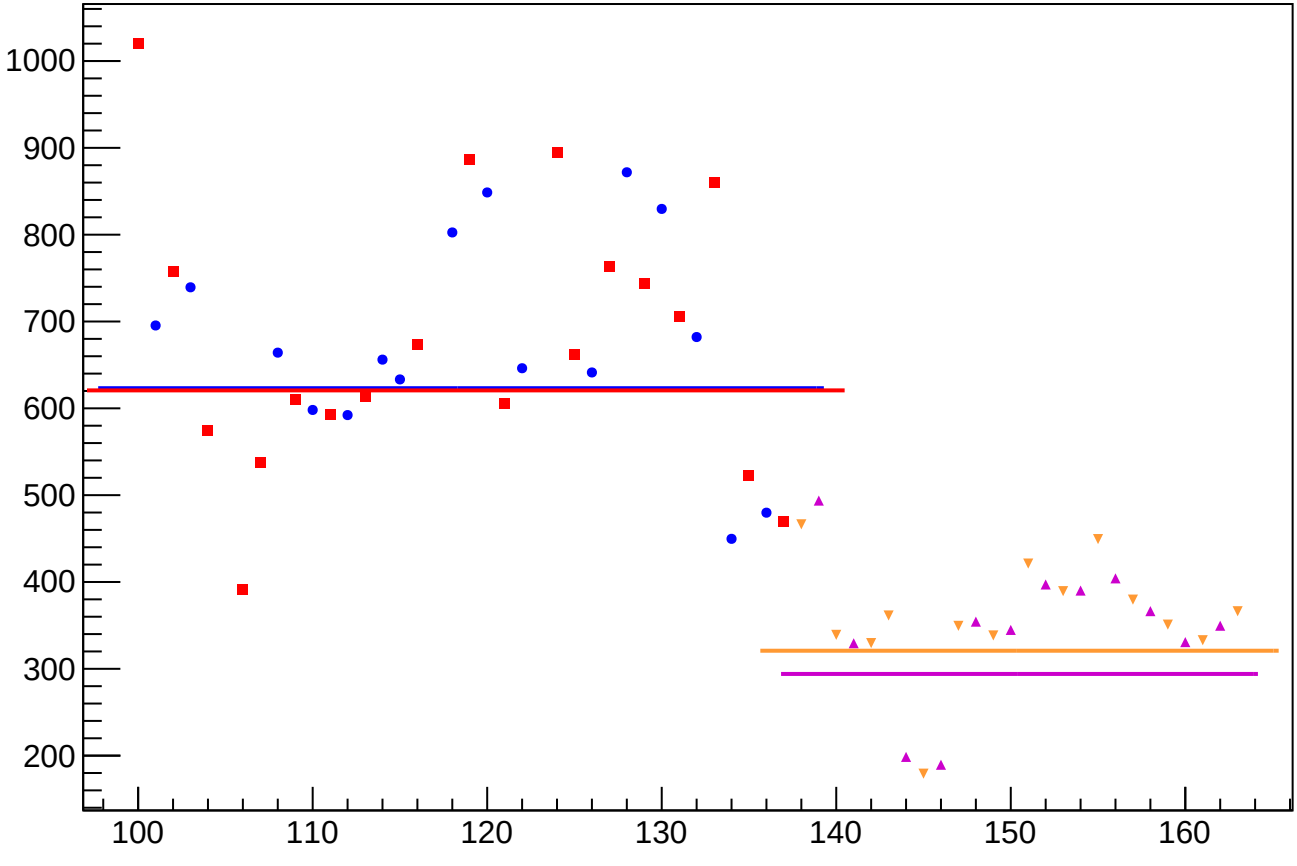
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 20.894+/-89.371 χ^2/NDF:32.2/27

Out: -336.787+/-91.828 χ^2/NDF:64.3/32

All: -153.098+/-64.046 χ^2/NDF: 104.3/60

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: 320.834+/-0.071 χ^2/NDF:1547583.4/13

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 294.090+/-0.068 χ^2/NDF:1763213.1/11

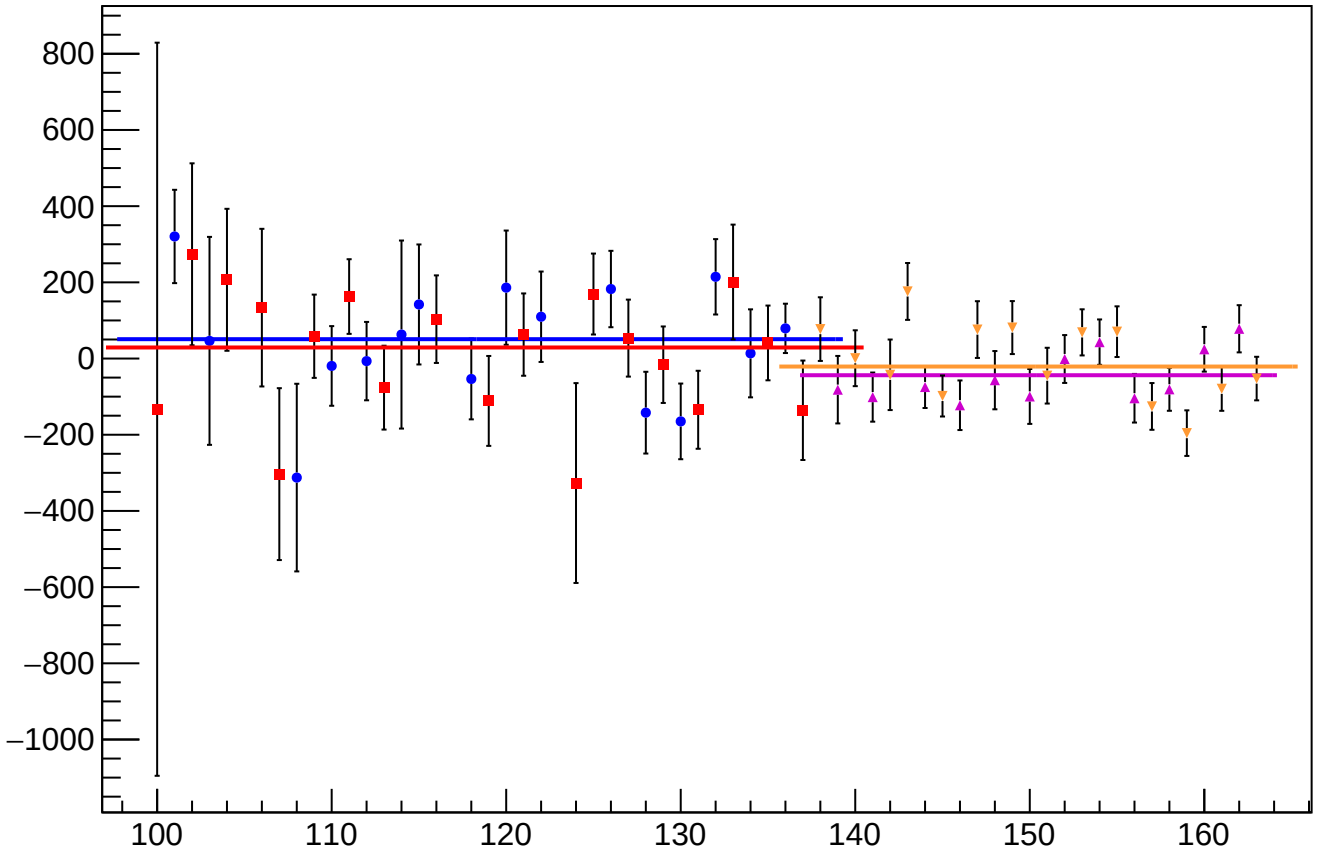
Left: 306.994+/-0.049 χ^2/NDF: 3385074.7/25

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 340.307+/-0.063 χ^2/NDF:5602396.2/27

Out: 366.978+/-0.065 χ^2/NDF:4934631.1/32

All: 353.281+/-0.045 χ^2/NDF: 10623671.2/60



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -21.004+/-17.698 χ^2/NDF:31.4/13

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -43.777+/-18.434 χ^2/NDF:12.5/11

Left: -31.927+/-12.767 χ^2/NDF: 44.7/25

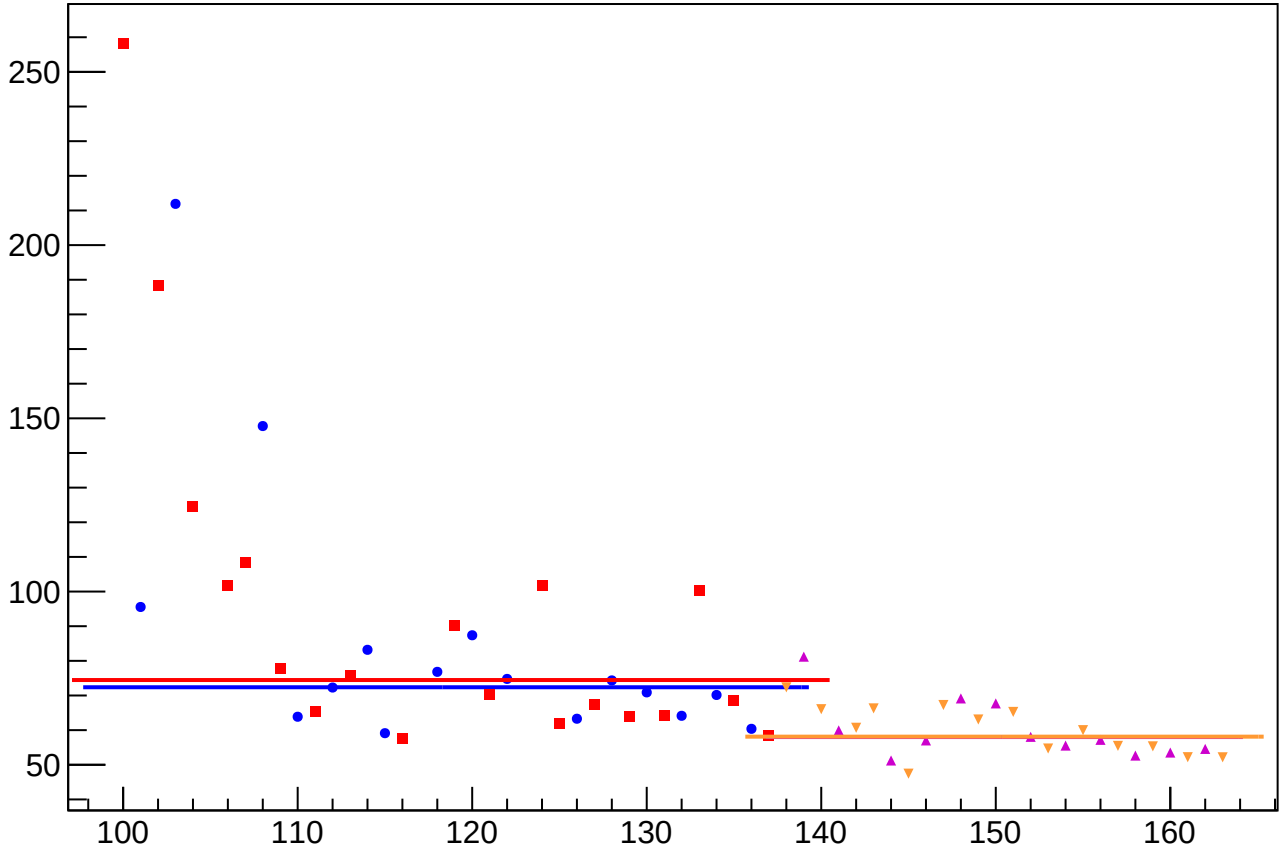
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -15.613+/-15.449 χ^2/NDF:43.2/27

Out: -7.362+/-15.094 χ^2/NDF:52.1/32

All: -11.392+/-10.796 χ^2/NDF: 95.4/60

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 58.120+/-0.013 χ^2/NDF:303737.1/13

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 58.005+/-0.013 χ^2/NDF:287915.5/11

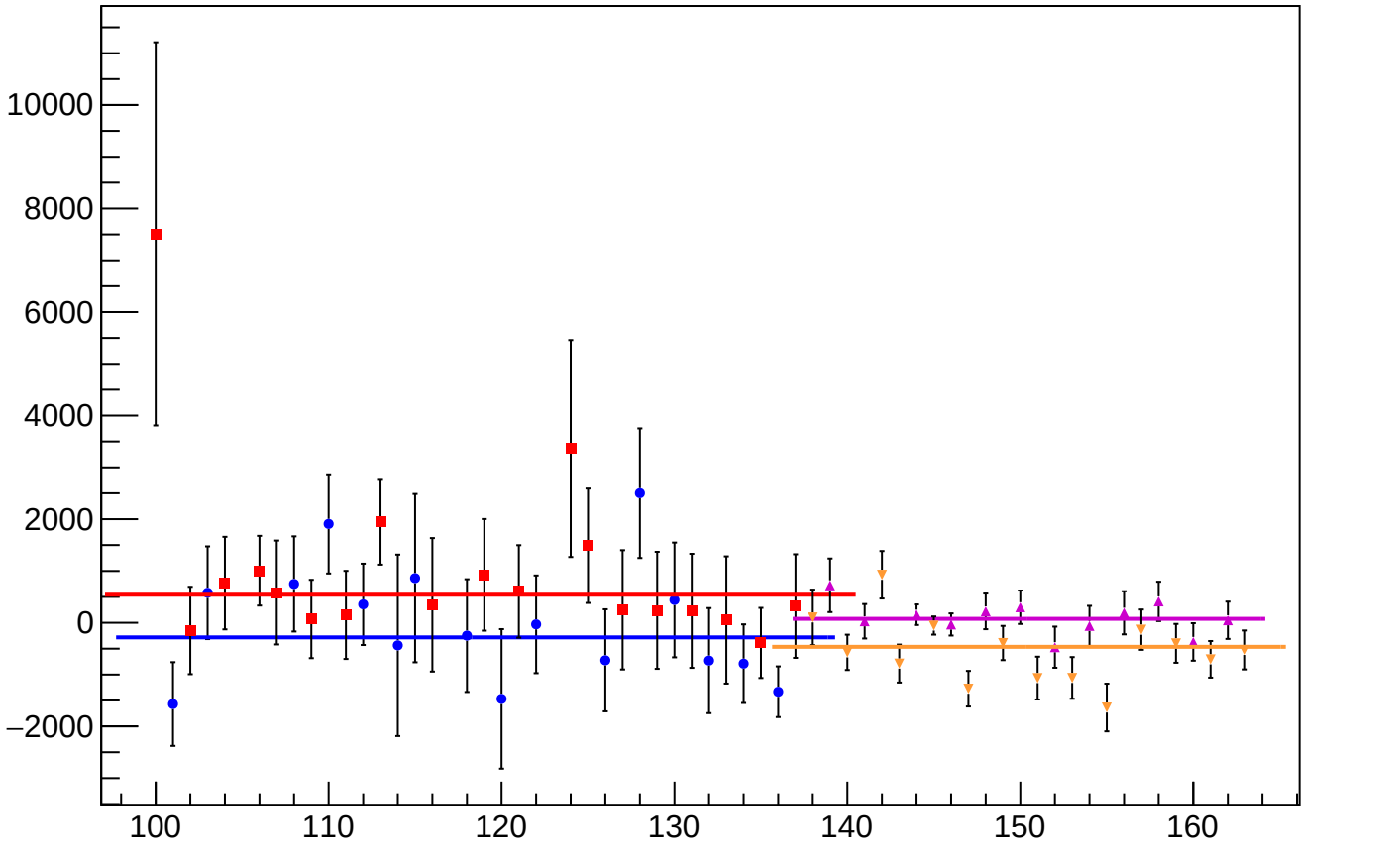
Left: 58.065+/-0.009 χ^2/NDF: 591693.1/25

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 62.283+/-0.011 χ^2/NDF:1588002.7/27

Out: 62.575+/-0.011 χ^2/NDF:1820989.4/32

All: 62.432+/-0.008 χ^2/NDF: 3409357.9/60



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 76.222+/-91.661 χ^2/NDF:7.1/11

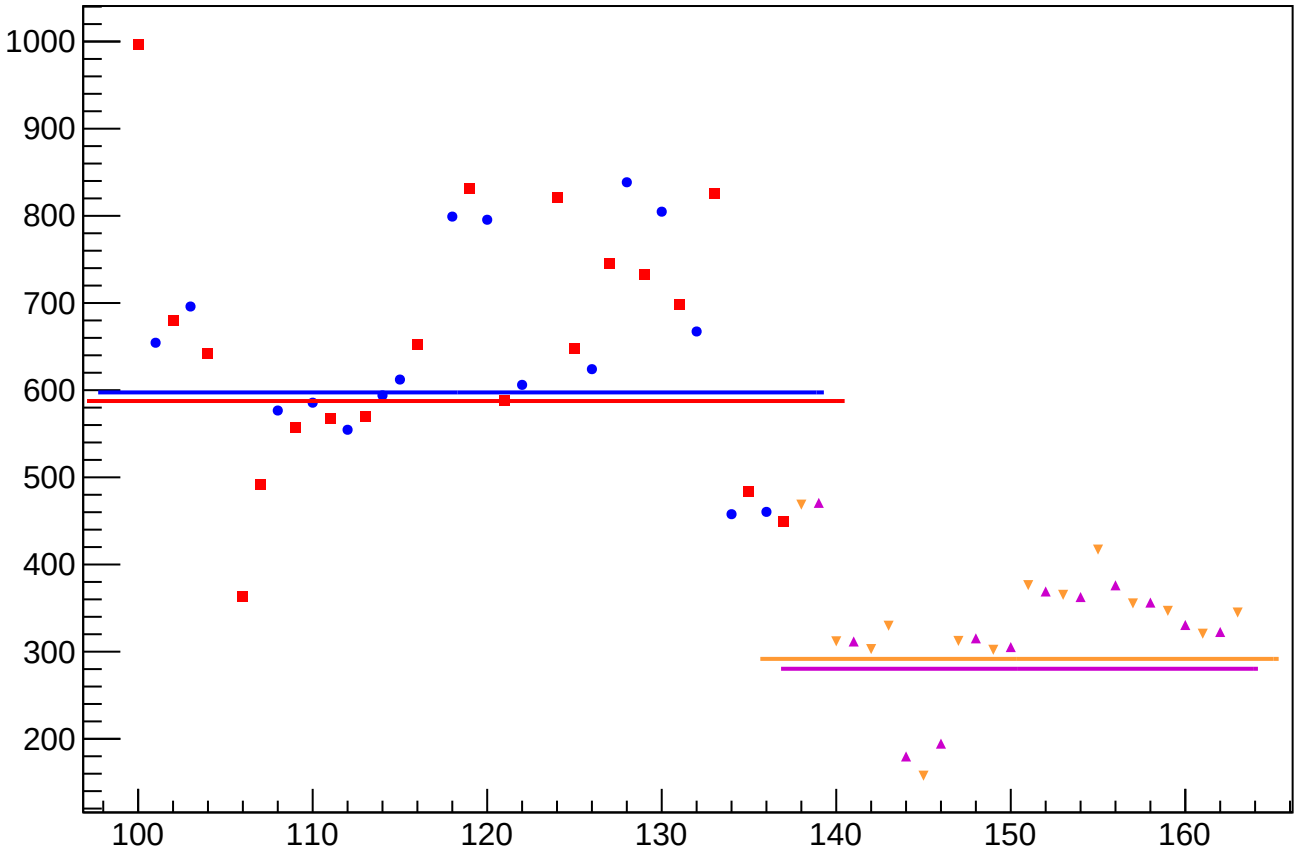
Left: -195.217+/-64.691 χ^2/NDF: 59.0/25

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 26.296+/-85.035 χ^2/NDF:32.0/27

Out: -317.704+/-84.389 χ^2/NDF:65.4/32

All: -147.015+/-59.899 χ^2/NDF: 105.7/60



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 291.730+/-0.065 χ^2/NDF:1872314.0/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 280.383+/-0.065 χ^2/NDF:1597919.5/11

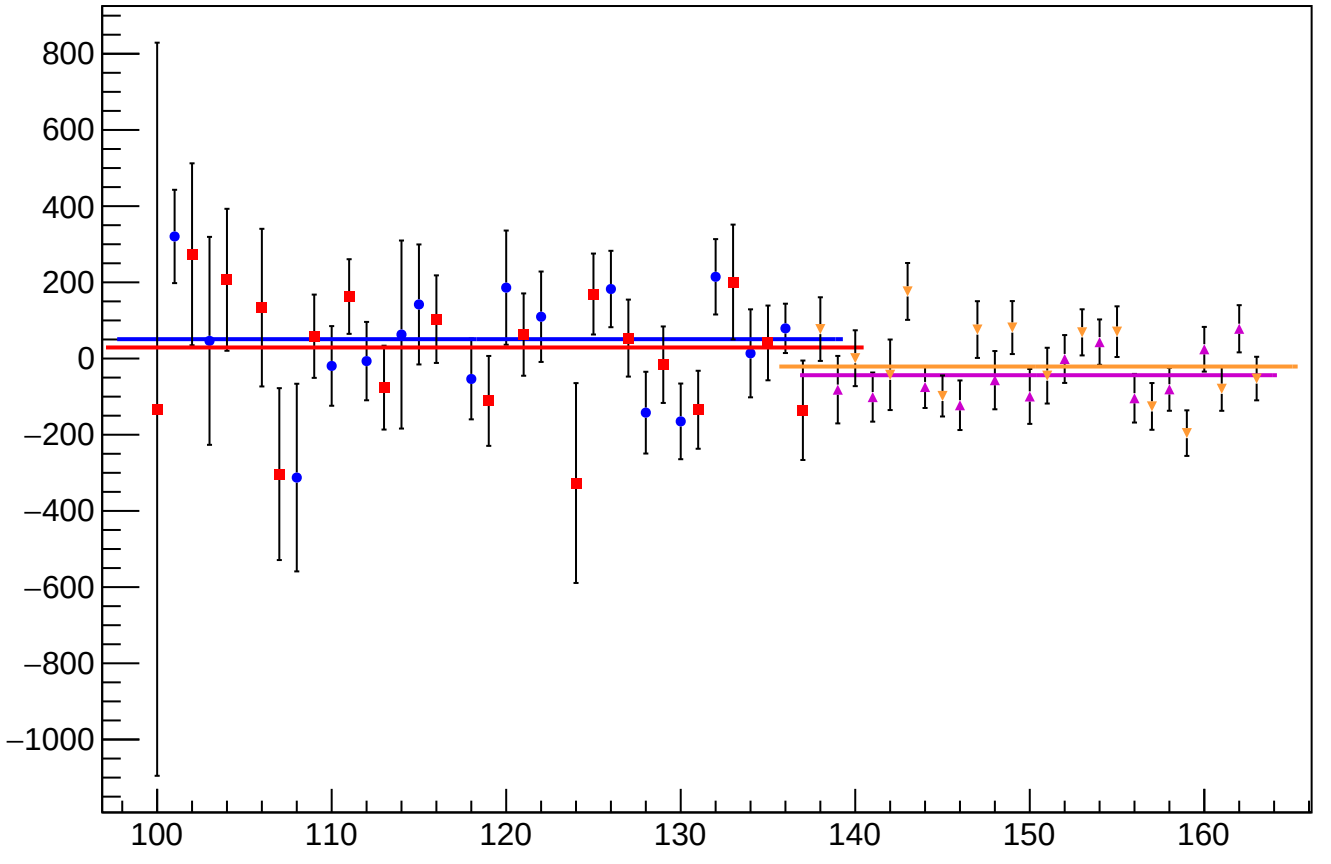
Left: 286.078+/-0.046 χ^2/NDF: 3485616.5/25

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 324.567+/-0.060 χ^2/NDF:5466411.9/27

Out: 334.903+/-0.060 χ^2/NDF:5624805.6/32

All: 329.774+/-0.042 χ^2/NDF: 11106107.0/60



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -21.003+/-17.698 χ^2/NDF:31.4/13

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -43.777+/-18.434 χ^2/NDF:12.5/11

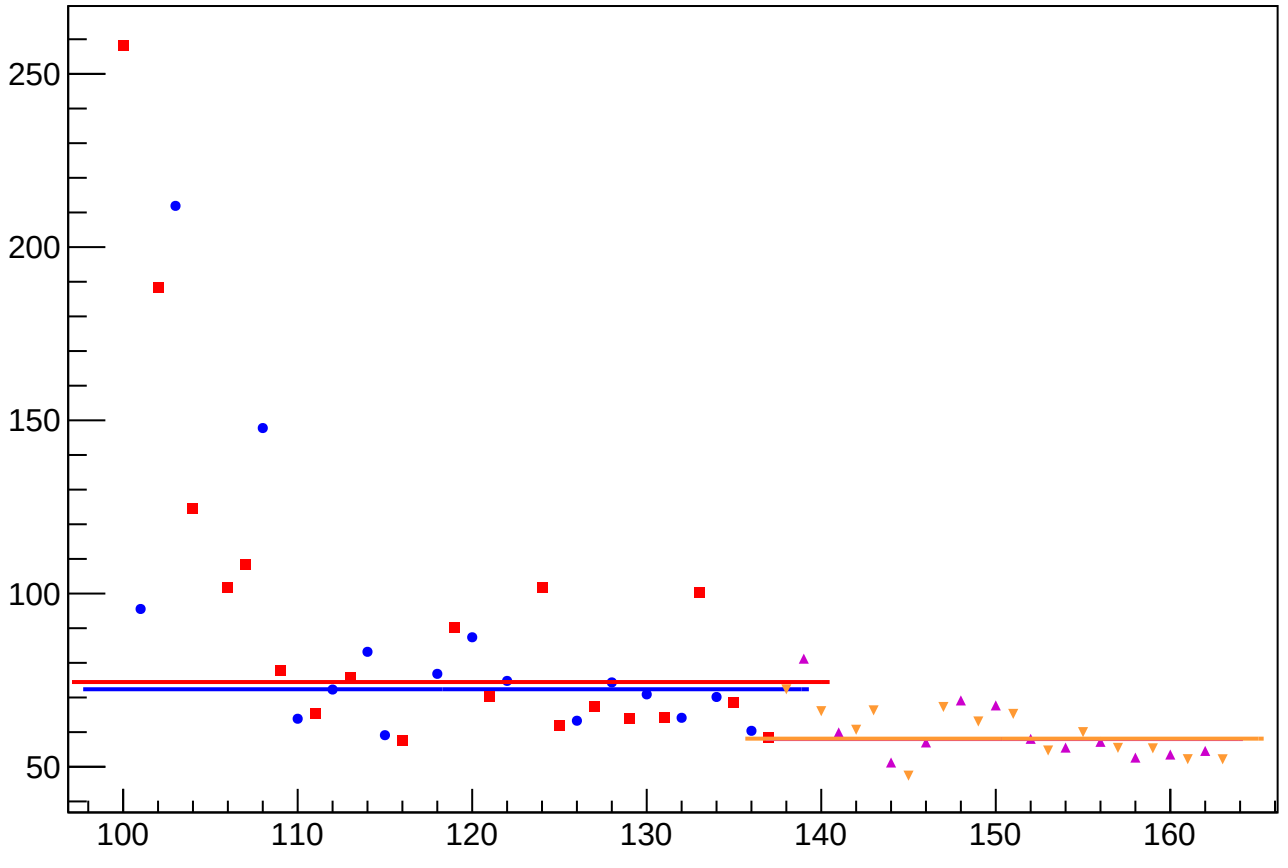
Left: -31.926+/-12.767 χ^2/NDF: 44.7/25

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -15.613+/-15.449 χ^2/NDF:43.2/27

Out: -7.361+/-15.094 χ^2/NDF:52.1/32

All: -11.392+/-10.796 χ^2/NDF: 95.4/60



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 58.120+/-0.013 χ^2/NDF:303751.3/13

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 58.005+/-0.013 χ^2/NDF:287919.5/11

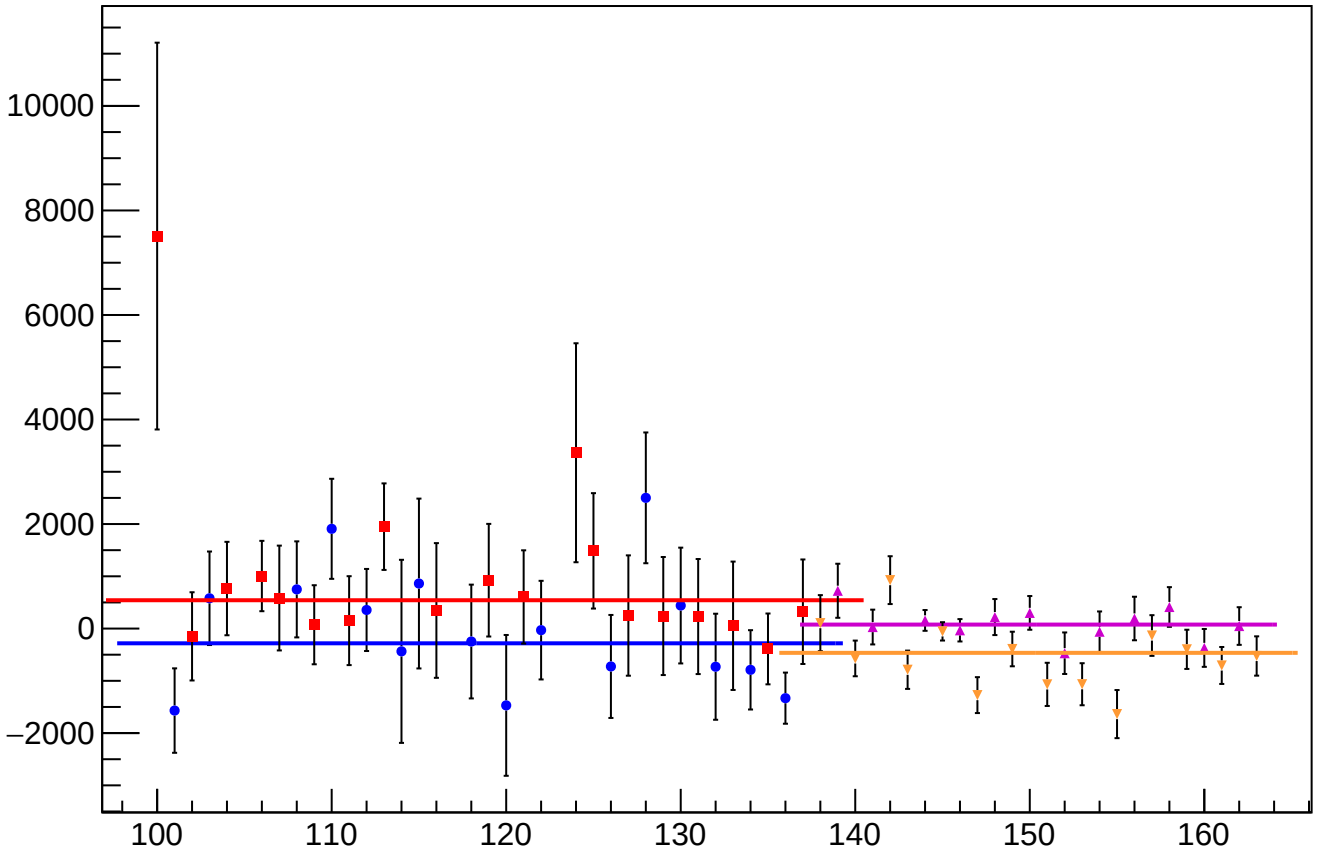
Left: 58.065+/-0.009 χ^2/NDF: 591711.3/25

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 62.283+/-0.011 χ^2/NDF:1587996.9/27

Out: 62.575+/-0.011 χ^2/NDF:1820982.6/32

All: 62.433+/-0.008 χ^2/NDF: 3409345.4/60



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -464.610+/-91.315 χ^2/NDF:34.4/13

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 76.222+/-91.661 χ^2/NDF:7.1/11

Left: -195.217+/-64.691 χ^2/NDF: 59.0/25

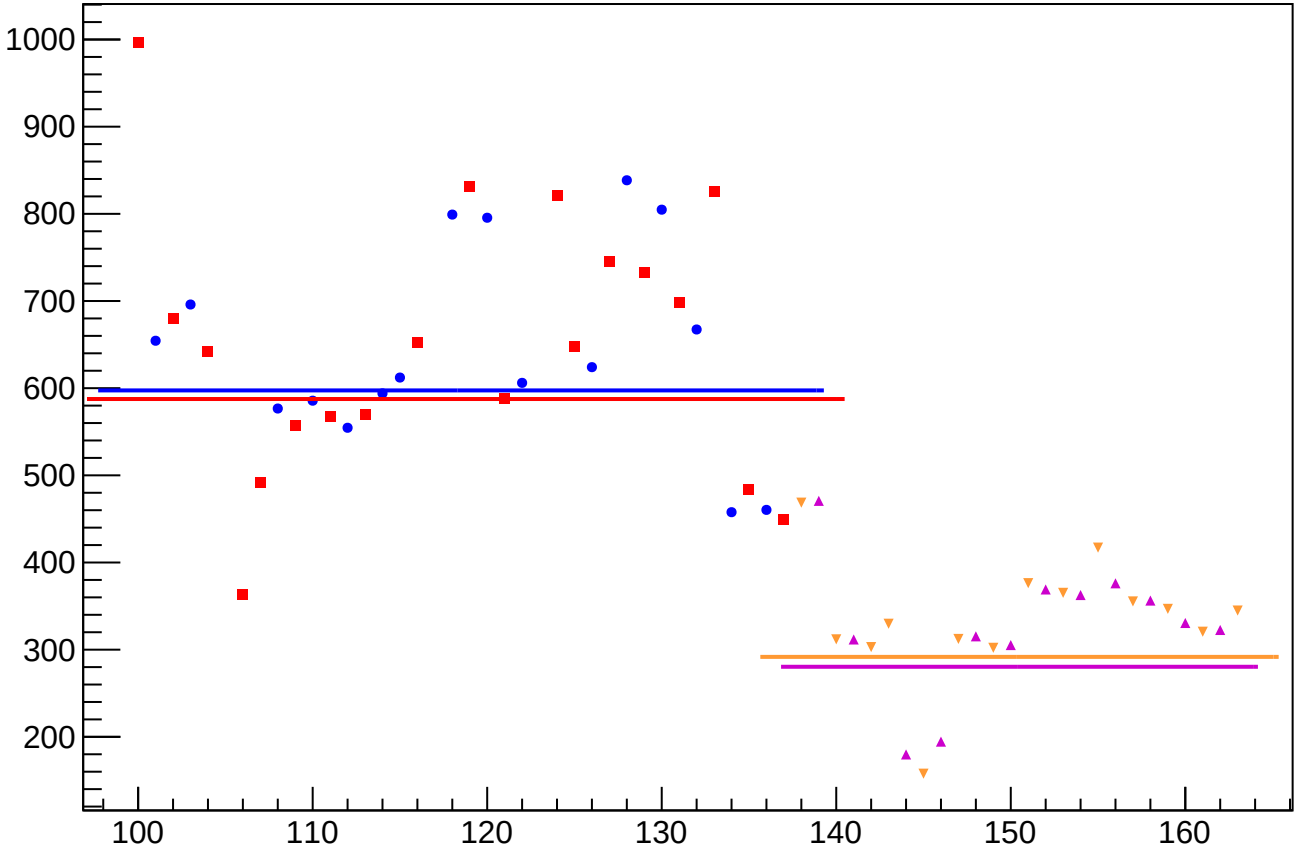
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 26.296+/-85.035 χ^2/NDF:32.0/27

Out: -317.705+/-84.389 χ^2/NDF:65.4/32

All: -147.015+/-59.899 χ^2/NDF: 105.7/60

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 291.730+/-0.065 χ^2/NDF:1872303.1/13

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 280.383+/-0.065 χ^2/NDF:1597912.7/11

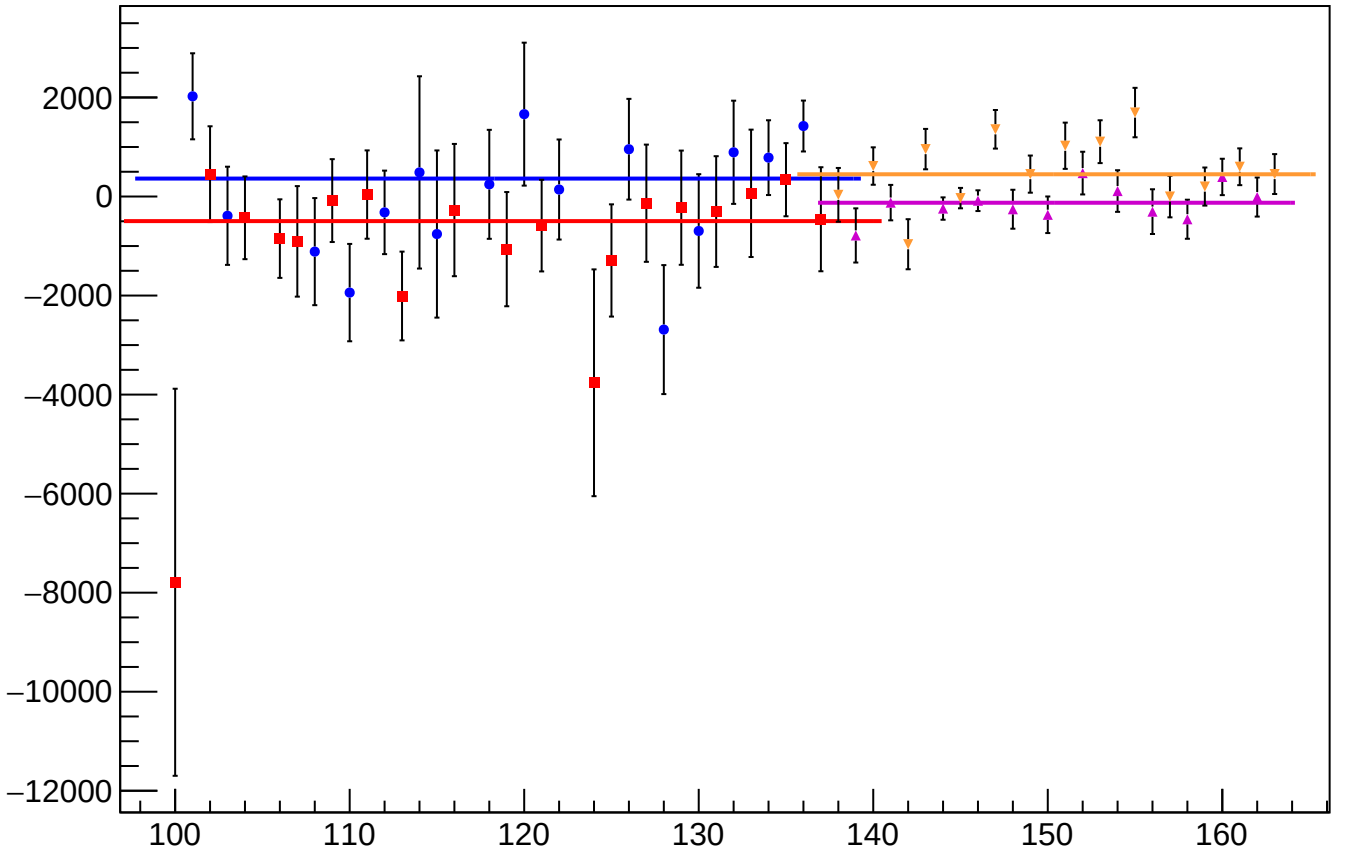
Left: 286.078+/-0.046 χ^2/NDF: 3485599.1/25

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 324.566+/-0.060 χ^2/NDF:5466414.3/27

Out: 334.903+/-0.060 χ^2/NDF:5624794.7/32

All: 329.774+/-0.042 χ^2/NDF: 11106098.6/60



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 449.213+/-101.352 χ^2/NDF:32.8/13

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -125.949+/-98.268 χ^2/NDF:7.5/11

Left: 152.748+/-70.551 χ^2/NDF: 56.9/25

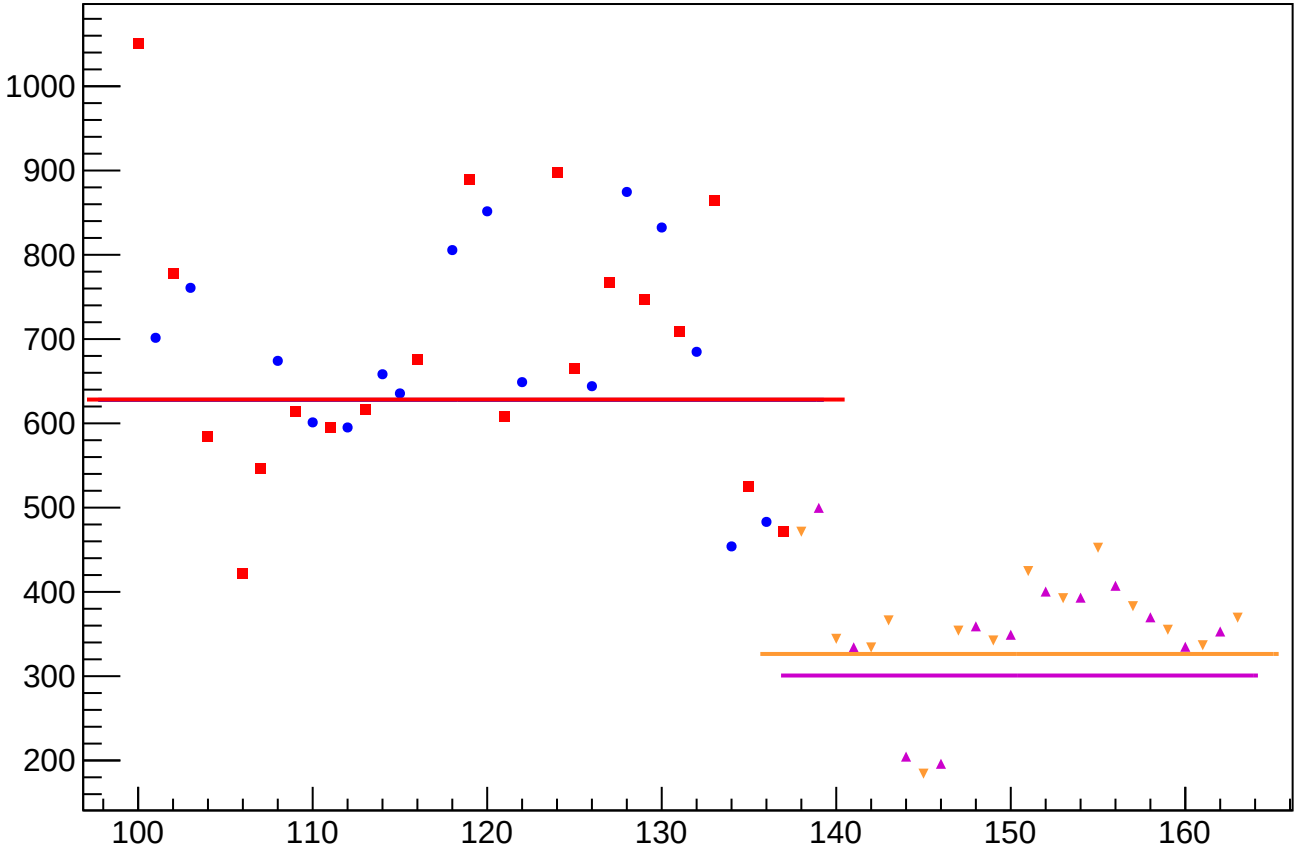
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -55.987+/-90.956 χ^2/NDF:36.1/27

Out: 301.961+/-93.129 χ^2/NDF:59.1/32

All: 118.763+/-65.070 χ^2/NDF: 102.8/60

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 326.373+/-0.072 χ^2/NDF:1466231.8/13

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 300.782+/-0.069 χ^2/NDF:1651548.6/11

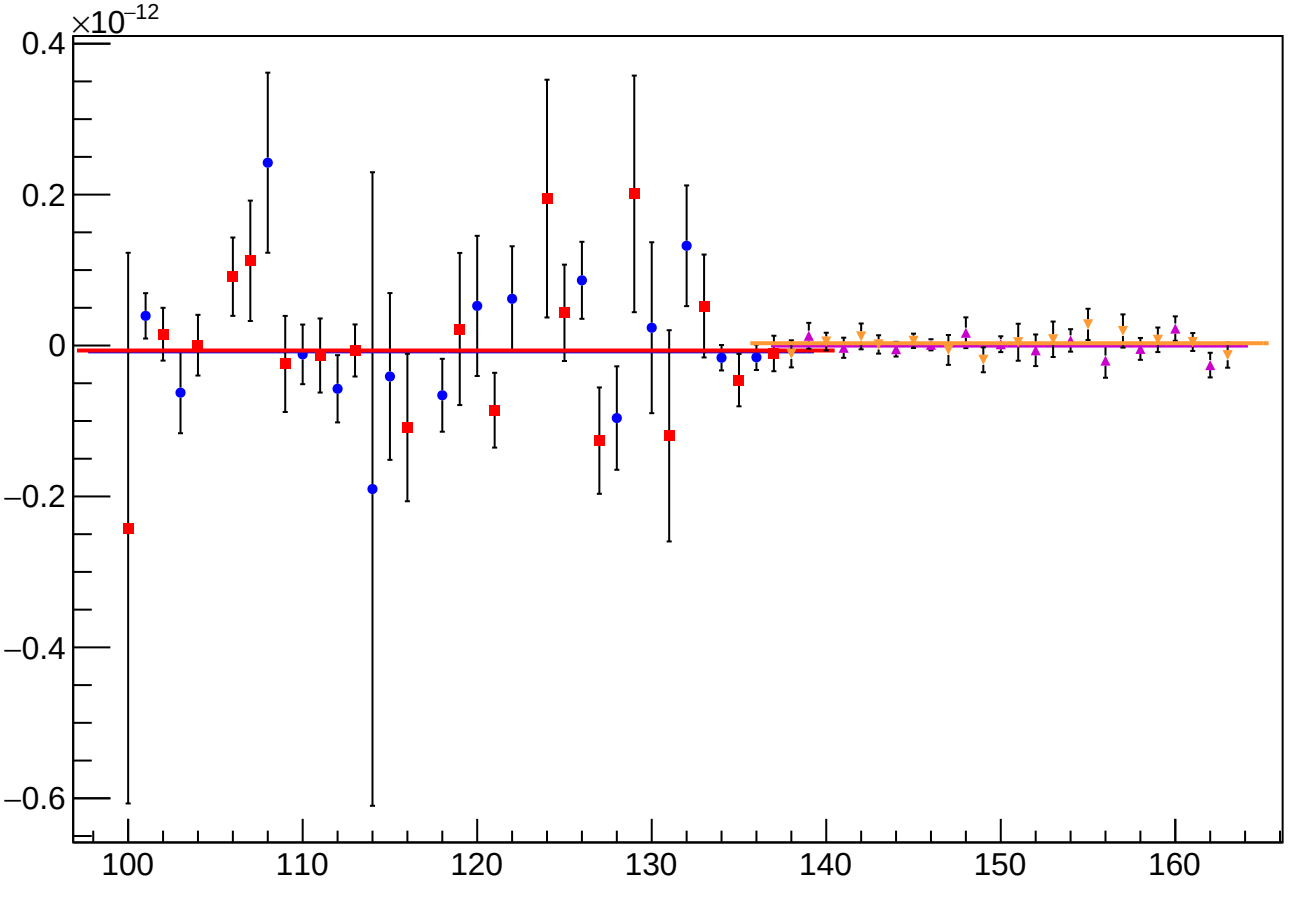
Left: 313.182+/-0.050 χ^2/NDF: 3183506.7/25

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 347.646+/-0.064 χ^2/NDF:5393434.1/27

Out: 373.370+/-0.066 χ^2/NDF:4799480.4/32

All: 360.205+/-0.046 χ^2/NDF: 10271008.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/11

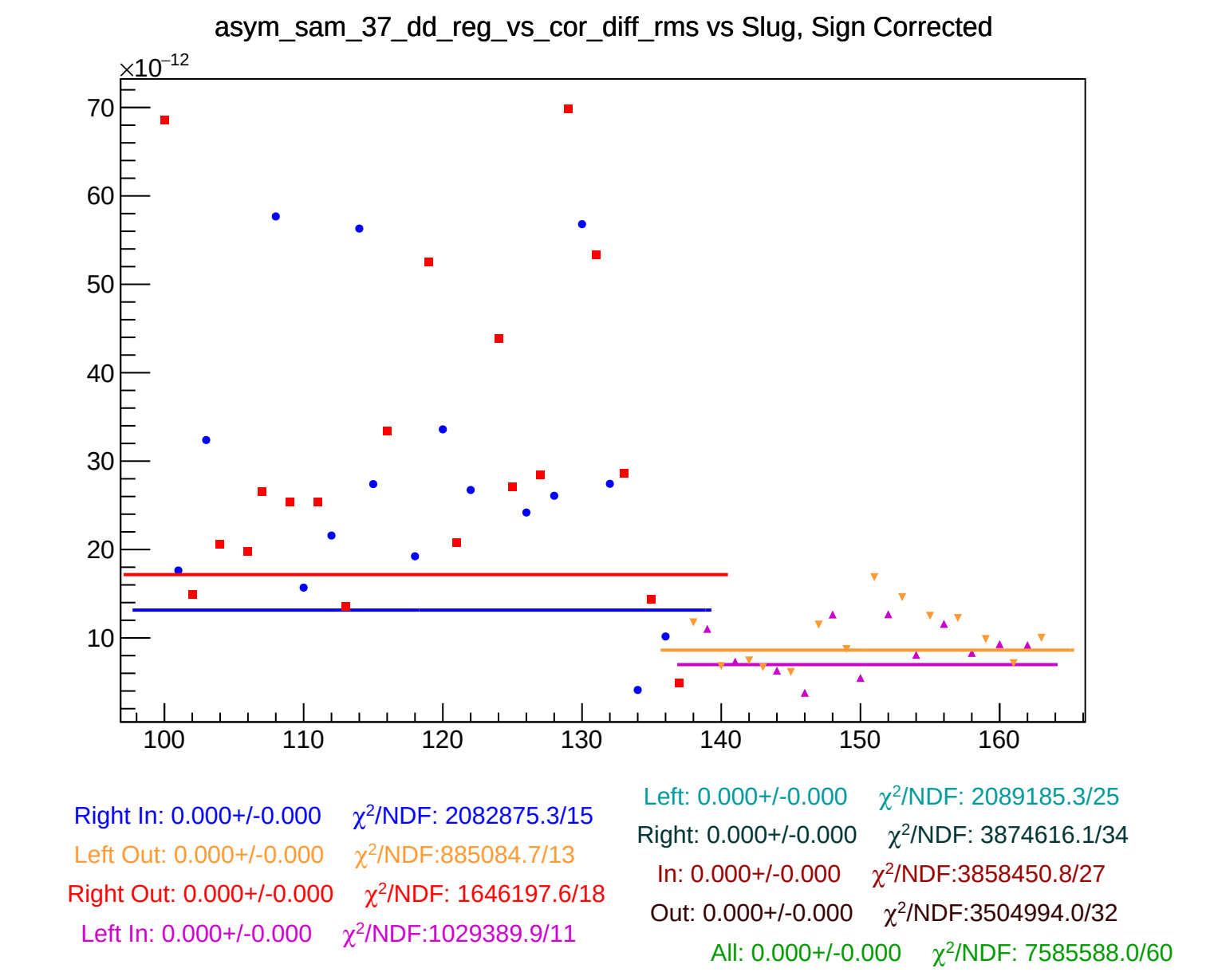
Left: 0.000+/-0.000 χ^2/NDF: 13.6/25

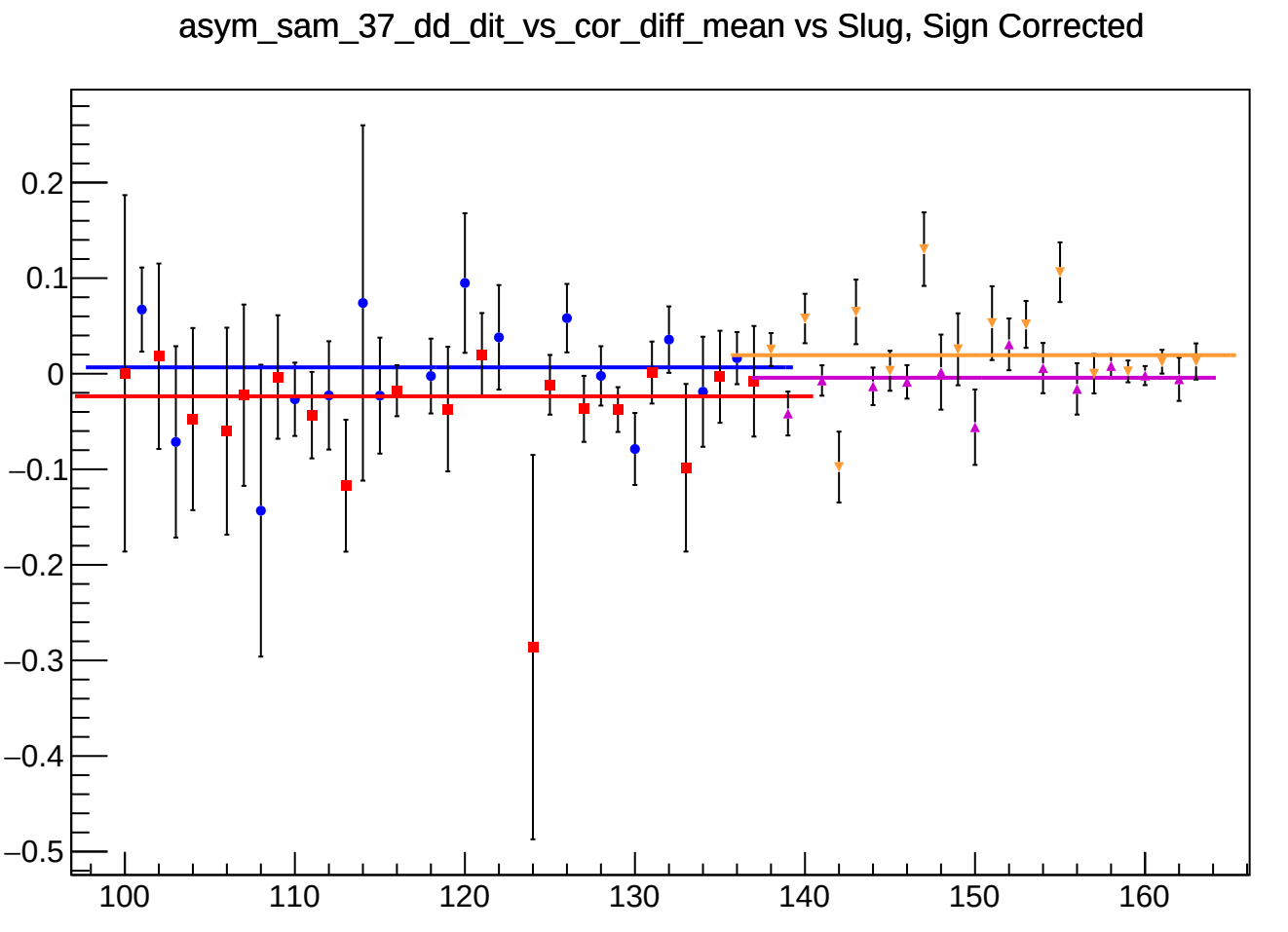
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:28.8/27

Out: 0.000+/-0.000 χ^2/NDF:26.7/32

All: 0.000+/-0.000 χ^2/NDF: 55.8/60


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:885084.7/13
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1029389.9/11
Left: 0.000+/-0.000 χ²/NDF: 2089185.3/25
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3858450.8/27
Out: 0.000+/-0.000 χ²/NDF:3504994.0/32
All: 0.000+/-0.000 χ²/NDF: 7585588.0/60



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.8/11

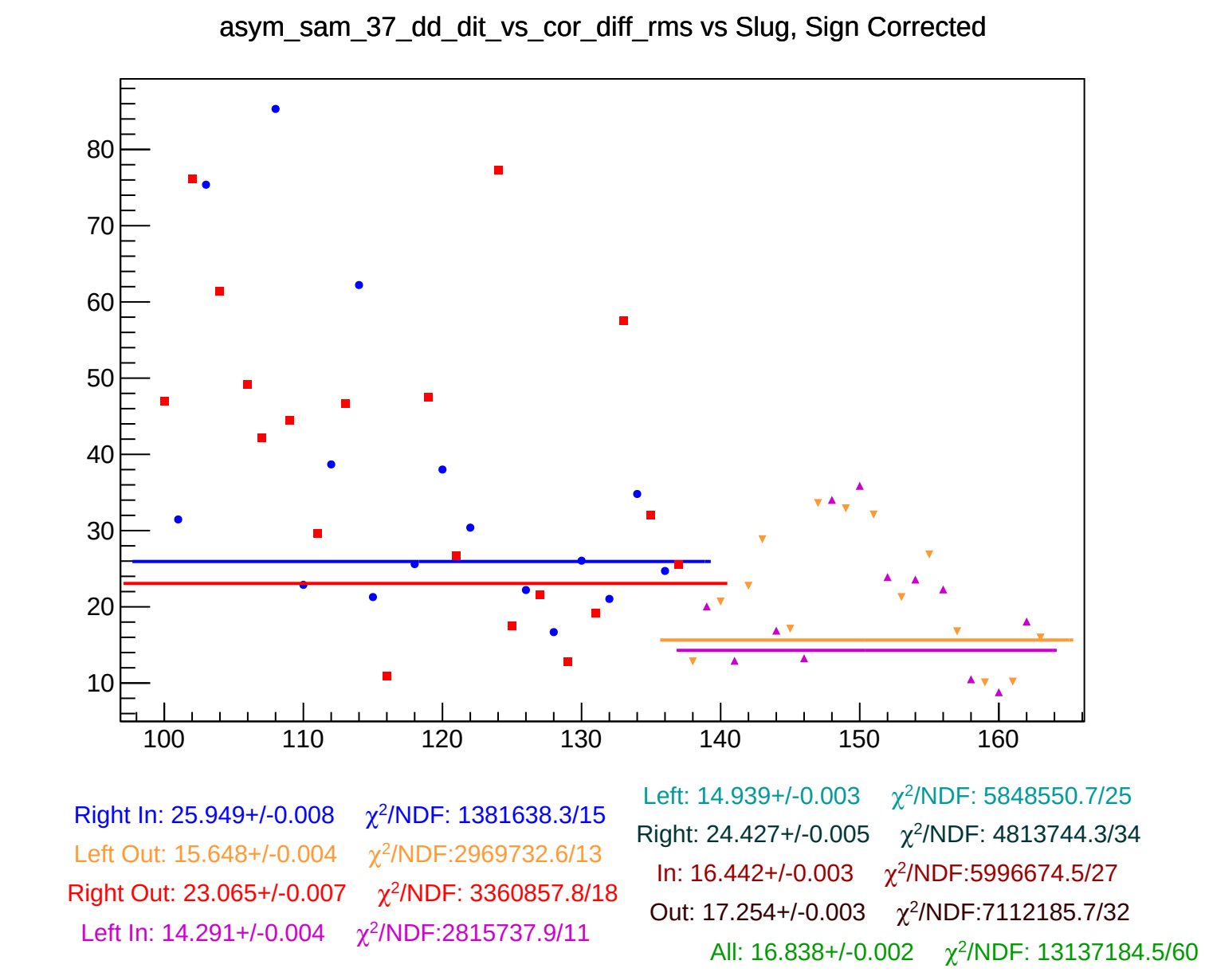
Left: 0.007+/-0.004 χ^2/NDF: 54.1/25

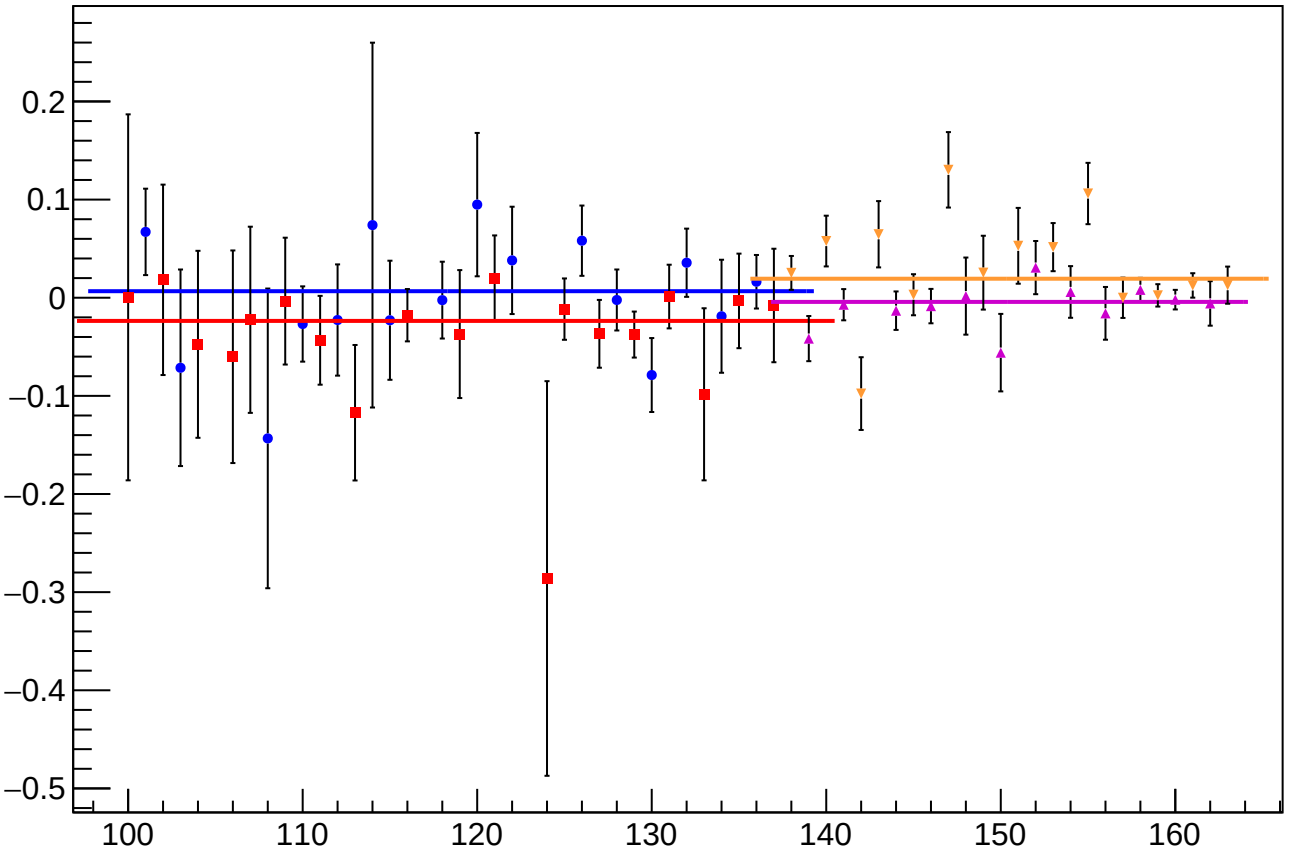
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/27

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.004+/-0.003 χ^2/NDF: 84.2/60


asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 25.949+/-0.008 χ²/NDF: 1381638.3/15
Left Out: 15.648+/-0.004 χ²/NDF:2969732.6/13
Right Out: 23.065+/-0.007 χ²/NDF: 3360857.8/18
Left In: 14.291+/-0.004 χ²/NDF:2815737.9/11
Left: 14.939+/-0.003 χ²/NDF: 5848550.7/25
Right: 24.427+/-0.005 χ²/NDF: 4813744.3/34
In: 16.442+/-0.003 χ²/NDF:5996674.5/27
Out: 17.254+/-0.003 χ²/NDF:7112185.7/32
All: 16.838+/-0.002 χ²/NDF: 13137184.5/60



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.8/11

Left: 0.007+/-0.004 χ^2/NDF: 54.1/25

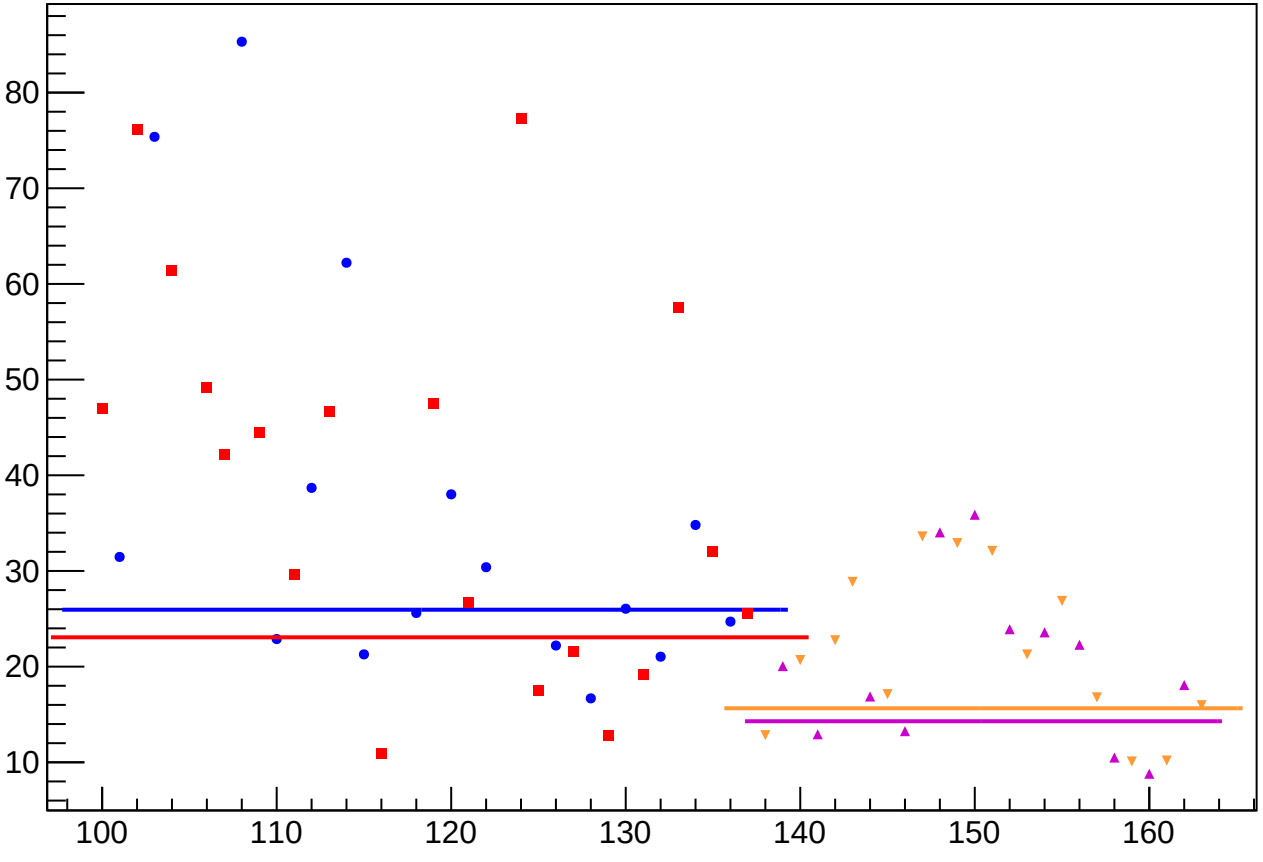
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/27

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.004+/-0.003 χ^2/NDF: 84.2/60

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: 15.648+/-0.004 χ^2/NDF:2969732.6/13

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 14.291+/-0.004 χ^2/NDF:2815737.9/11

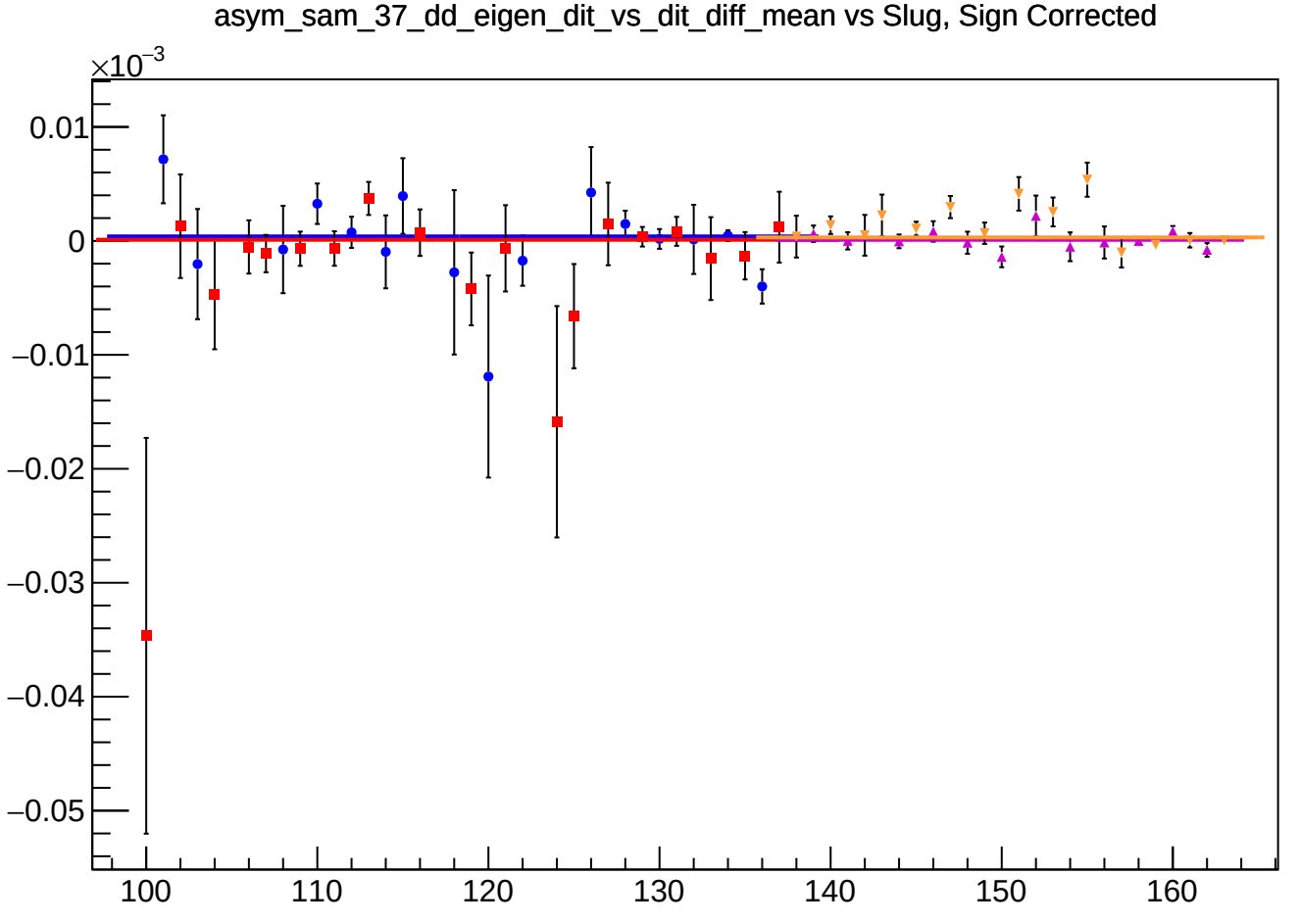
Left: 14.939+/-0.003 χ^2/NDF: 5848550.7/25

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 16.442+/-0.003 χ^2/NDF:5996674.5/27

Out: 17.254+/-0.003 χ^2/NDF:7112185.7/32

All: 16.838+/-0.002 χ^2/NDF: 13137184.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.5/11

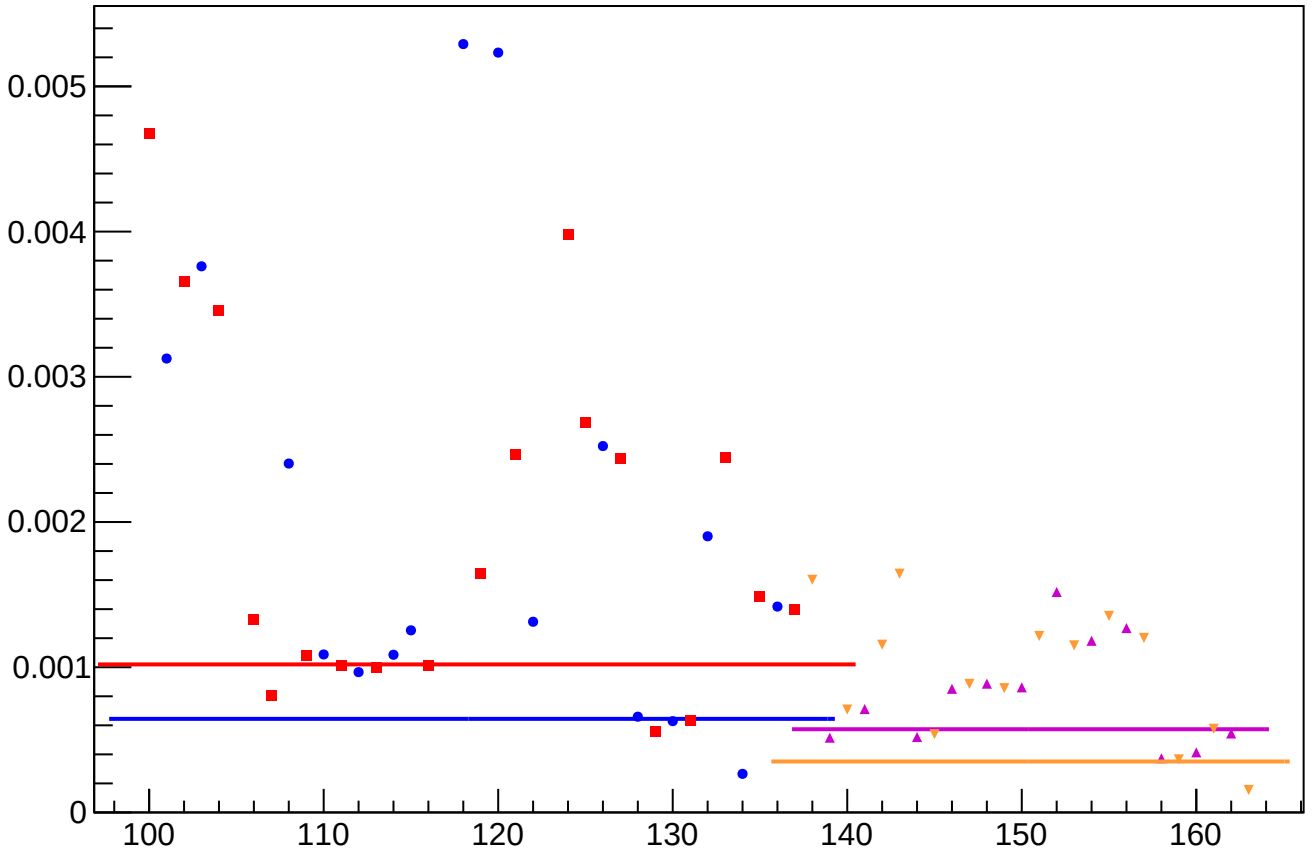
Left: 0.000+/-0.000 χ^2/NDF: 50.7/25

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:32.0/27

Out: 0.000+/-0.000 χ^2/NDF:60.1/32

All: 0.000+/-0.000 χ^2/NDF: 92.3/60



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9866001.2/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:2945649.8/11

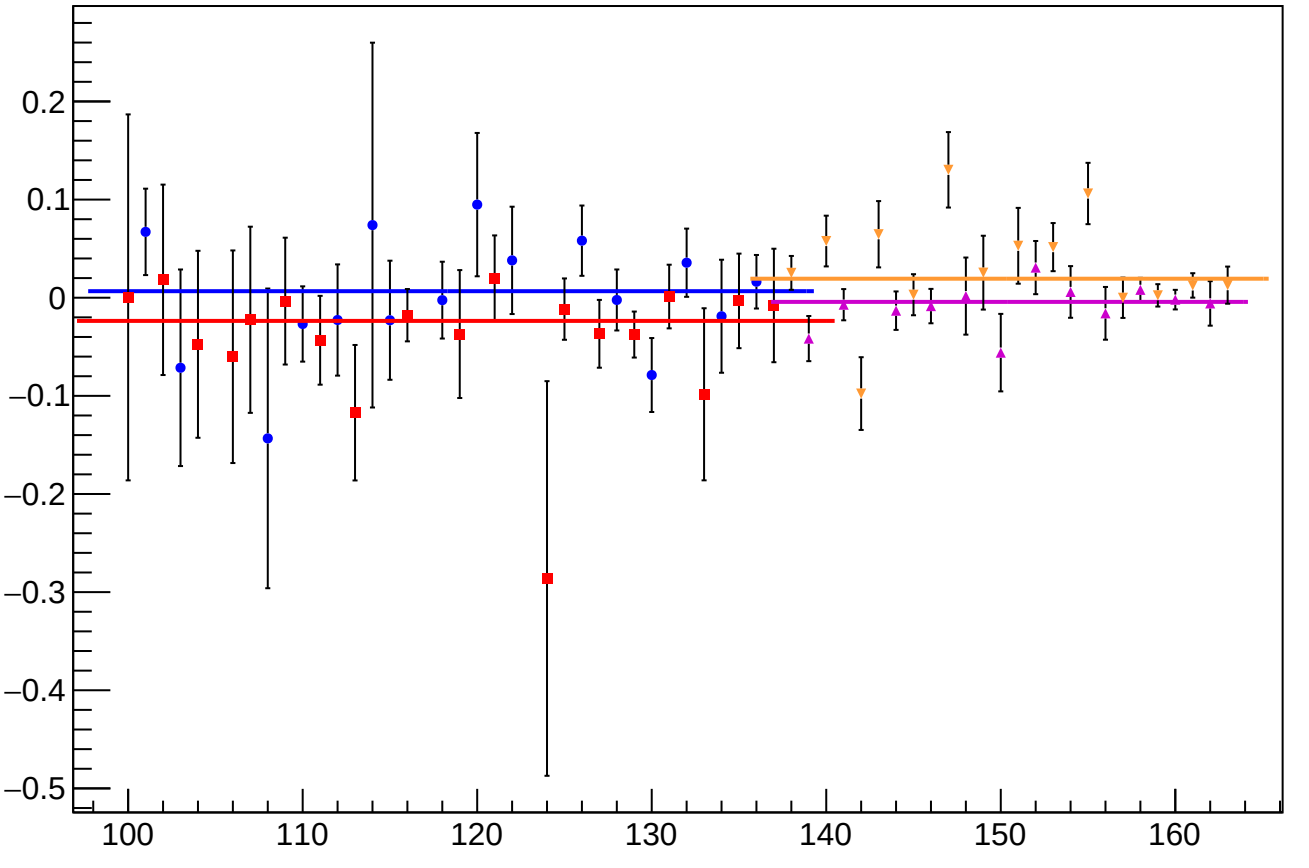
Left: 0.000+/-0.000 χ^2/NDF: 14425731.4/25

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:9586805.9/27

Out: 0.000+/-0.000 χ^2/NDF:17527043.0/32

All: 0.000+/-0.000 χ^2/NDF: 28409922.9/60



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.8/11

Left: 0.007+/-0.004 χ^2/NDF: 54.1/25

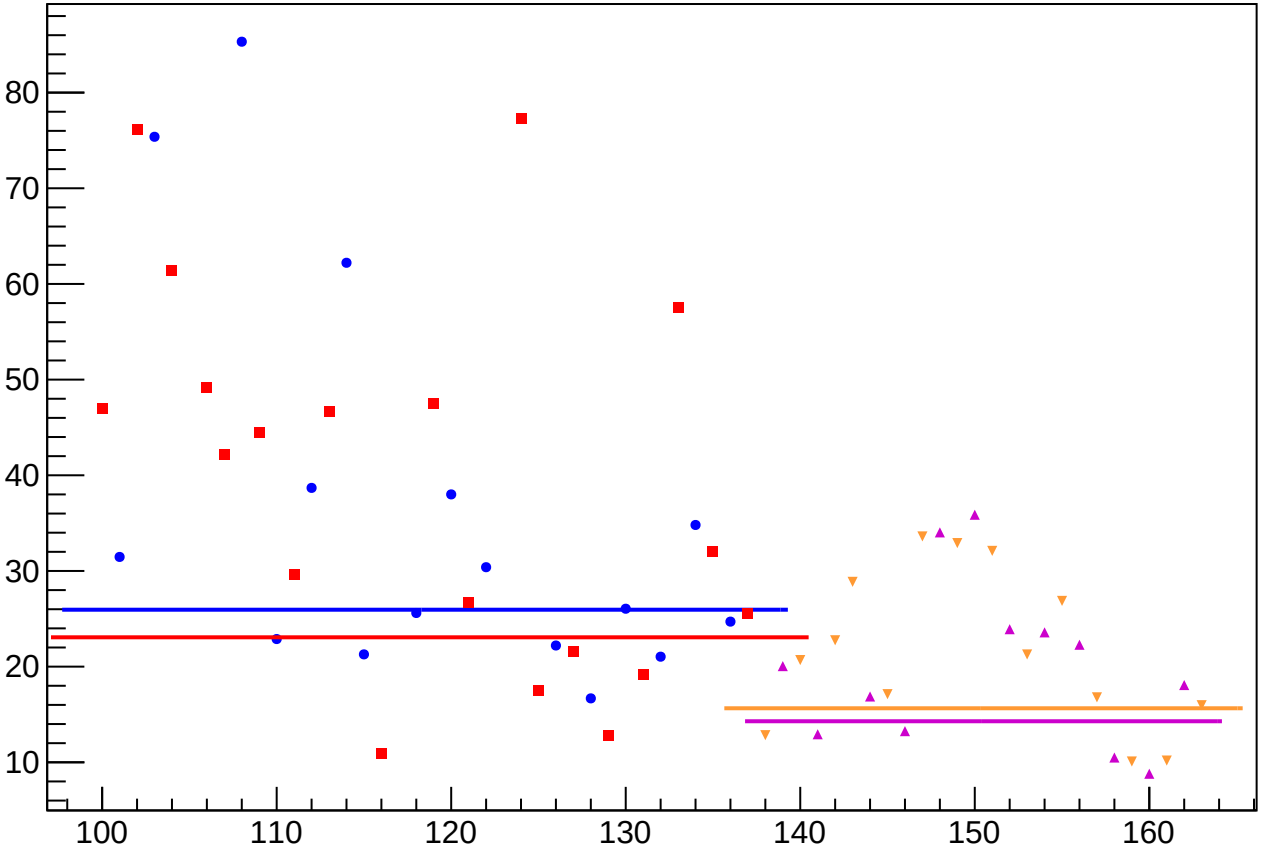
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/27

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.004+/-0.003 χ^2/NDF: 84.2/60

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969942.3/13

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.291+/-0.004 χ^2/NDF:2815900.7/11

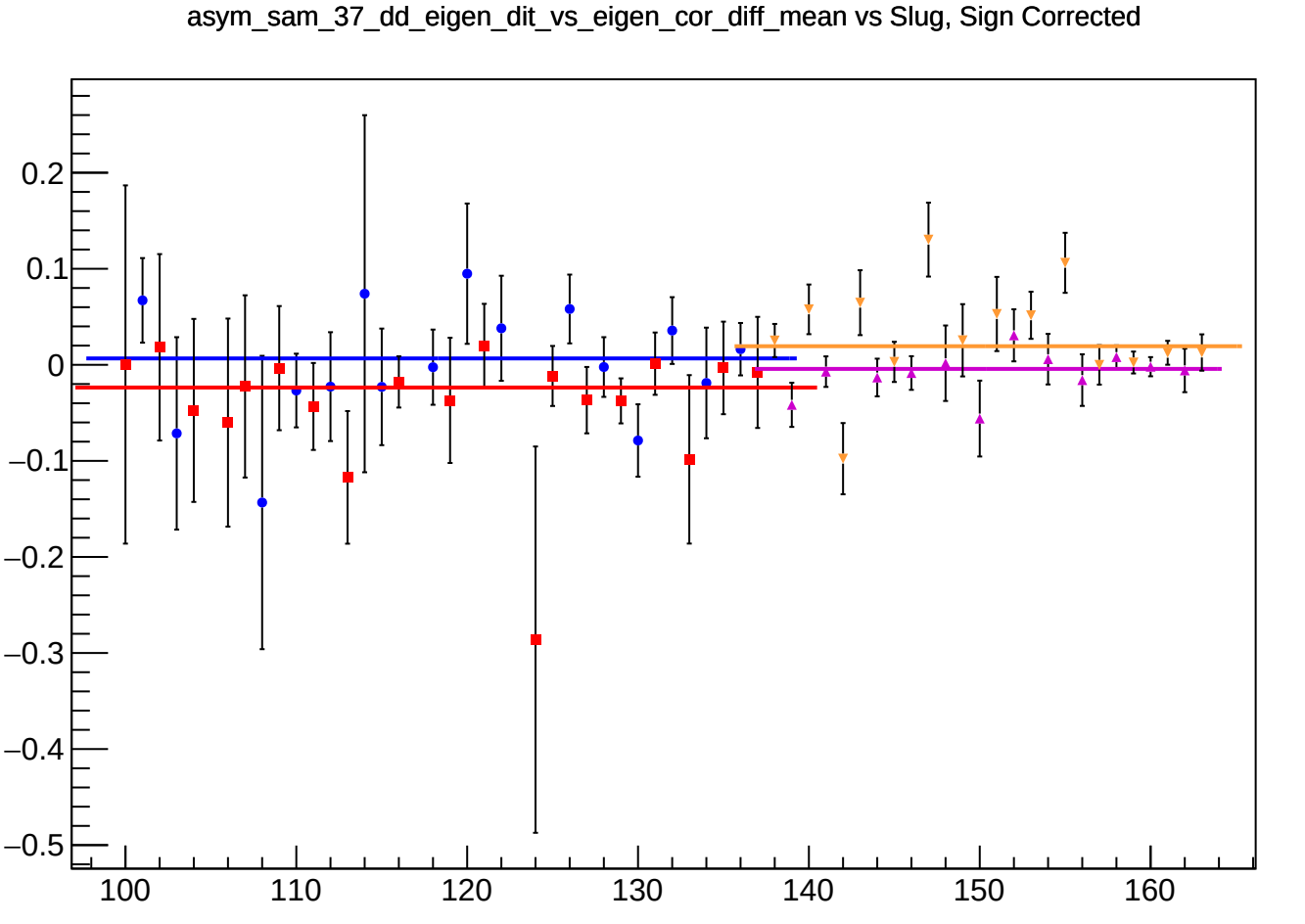
Left: 14.939+/-0.003 χ^2/NDF: 5848933.6/25

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.442+/-0.003 χ^2/NDF:5996850.6/27

Out: 17.255+/-0.003 χ^2/NDF:7112273.0/32

All: 16.838+/-0.002 χ^2/NDF: 13137457.4/60



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.019+/-0.006 χ^2/NDF:36.8/13

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.004+/-0.005 χ^2/NDF:7.8/11

Left: 0.007+/-0.004 χ^2/NDF: 54.1/25

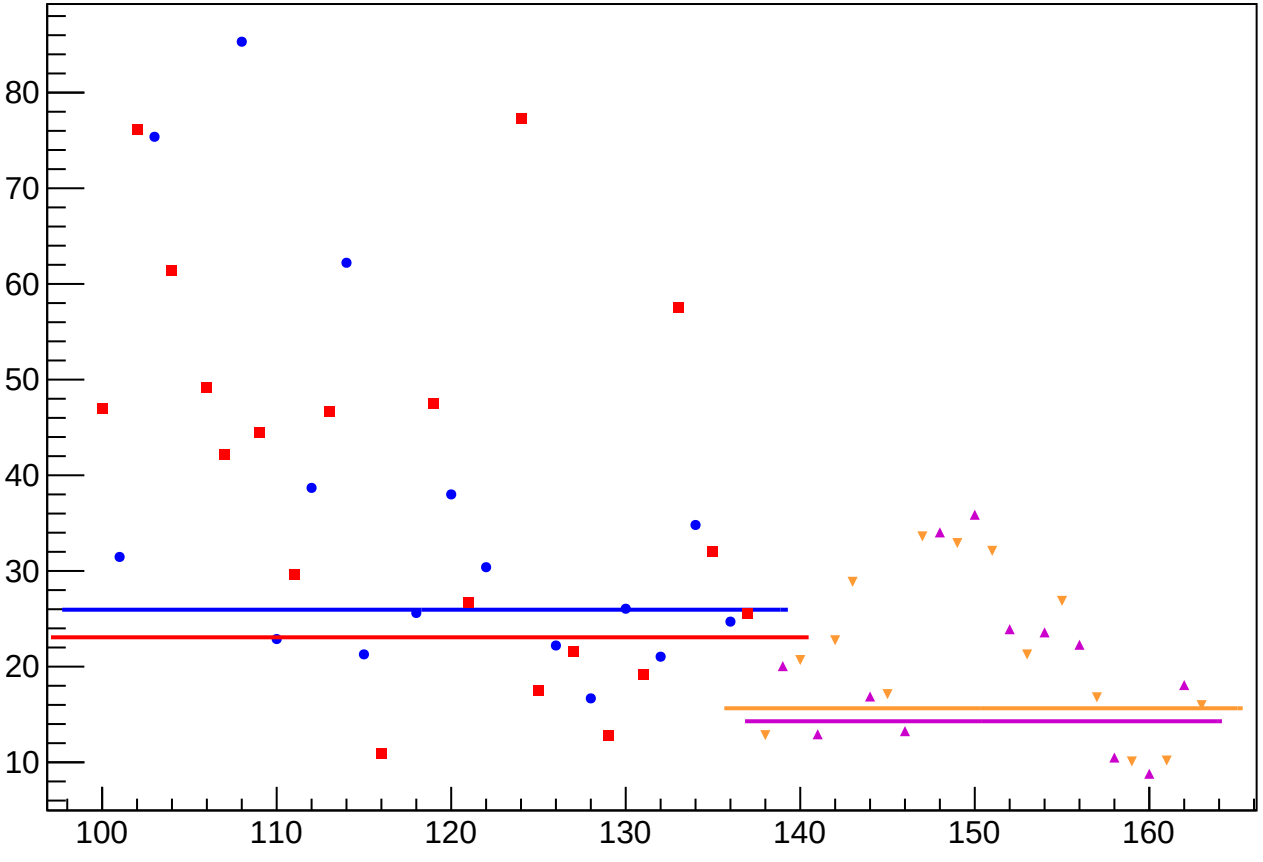
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.005 χ^2/NDF:23.5/27

Out: 0.010+/-0.005 χ^2/NDF:57.4/32

All: 0.004+/-0.003 χ^2/NDF: 84.2/60

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 15.648+/-0.004 χ^2/NDF:2969942.3/13

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 14.291+/-0.004 χ^2/NDF:2815900.7/11

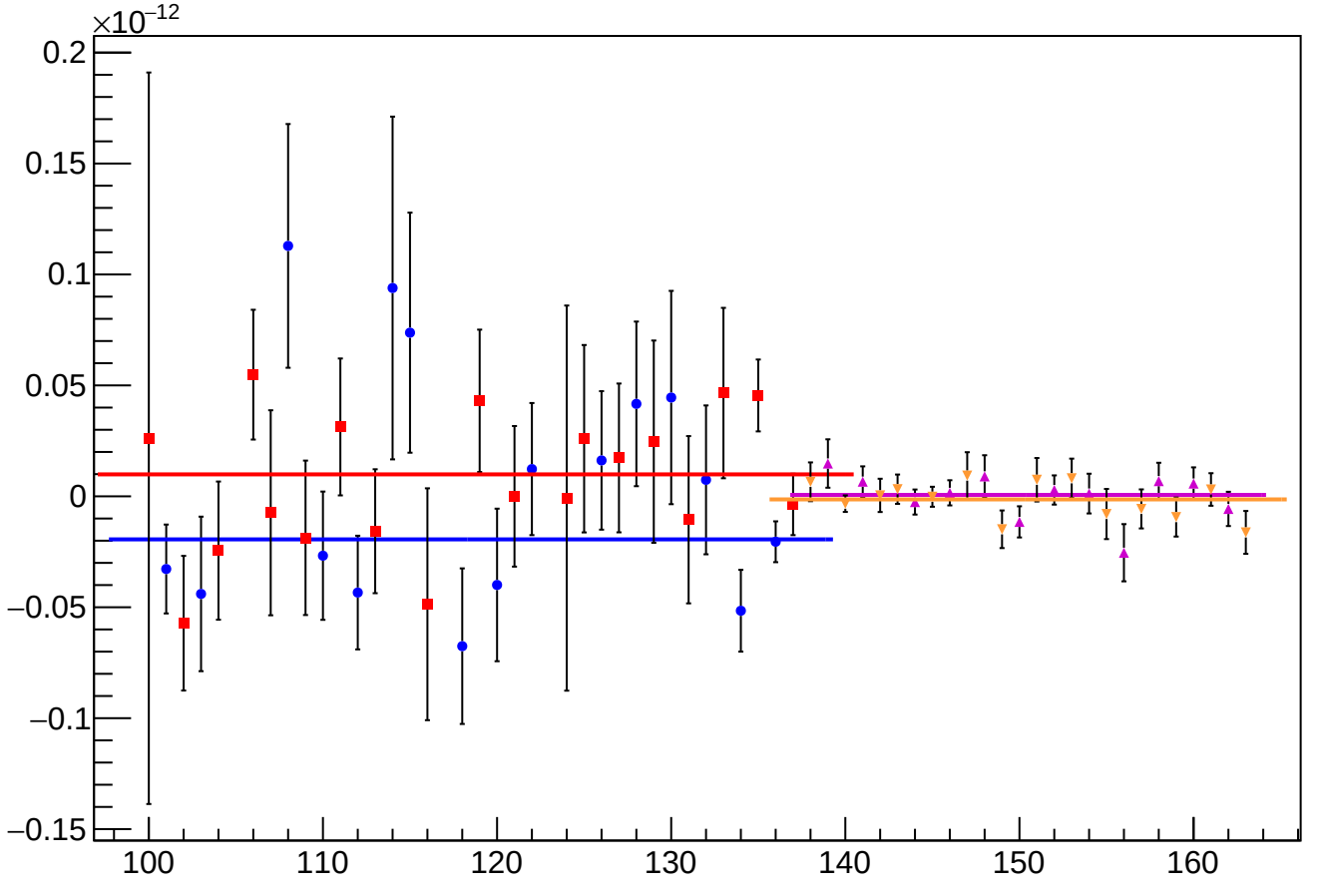
Left: 14.939+/-0.003 χ^2/NDF: 5848933.6/25

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 16.442+/-0.003 χ^2/NDF:5996850.6/27

Out: 17.255+/-0.003 χ^2/NDF:7112273.0/32

All: 16.838+/-0.002 χ^2/NDF: 13137457.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/11

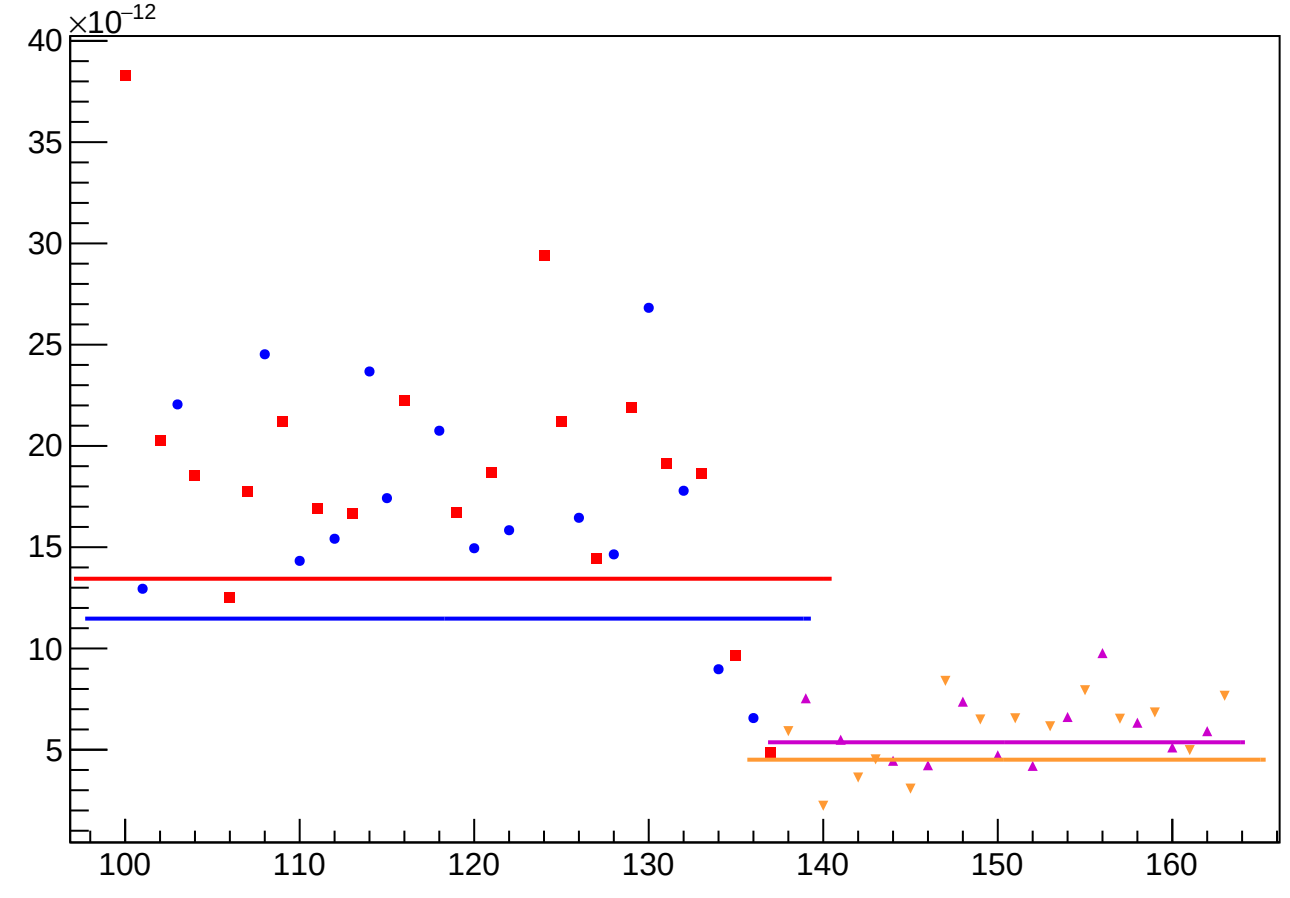
Left: -0.000+/-0.000 χ^2/NDF: 24.4/25

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:47.9/27

Out: -0.000+/-0.000 χ^2/NDF:34.3/32

All: -0.000+/-0.000 χ^2/NDF: 82.4/60



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2214938.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:692421.4/11

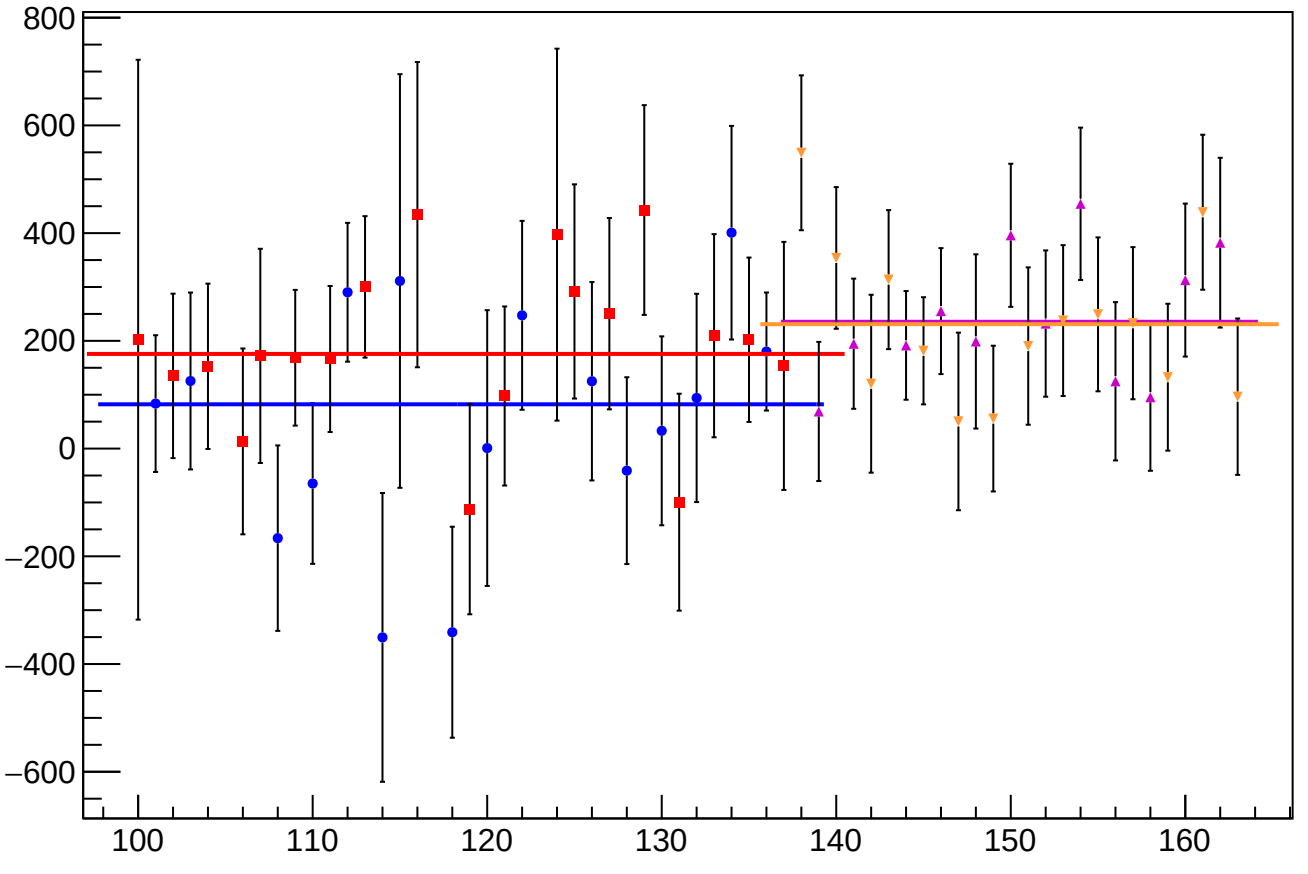
Left: 0.000+/-0.000 χ^2/NDF: 3087965.0/25

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4108313.8/27

Out: 0.000+/-0.000 χ^2/NDF:7115626.8/32

All: 0.000+/-0.000 χ^2/NDF: 11450545.3/60



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.939+/-36.713 χ^2/NDF:13.3/13

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 235.407+/-38.111 χ^2/NDF:8.7/11

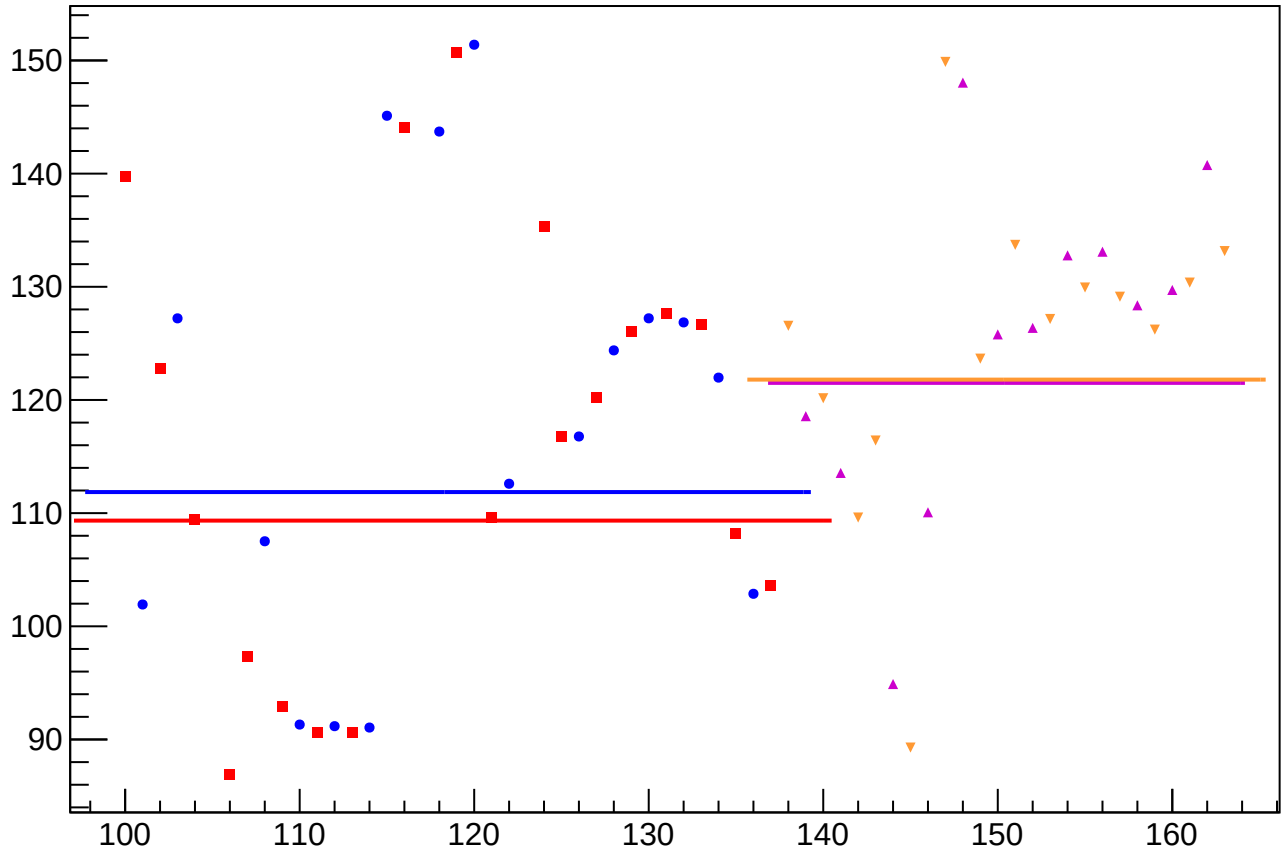
Left: 233.089+/-26.440 χ^2/NDF: 22.0/25

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 166.462+/-28.264 χ^2/NDF:34.3/27

Out: 206.153+/-27.253 χ^2/NDF:24.2/32

All: 187.030+/-19.618 χ^2/NDF: 59.6/60



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.510+/-0.027 χ^2/NDF:293018.7/11

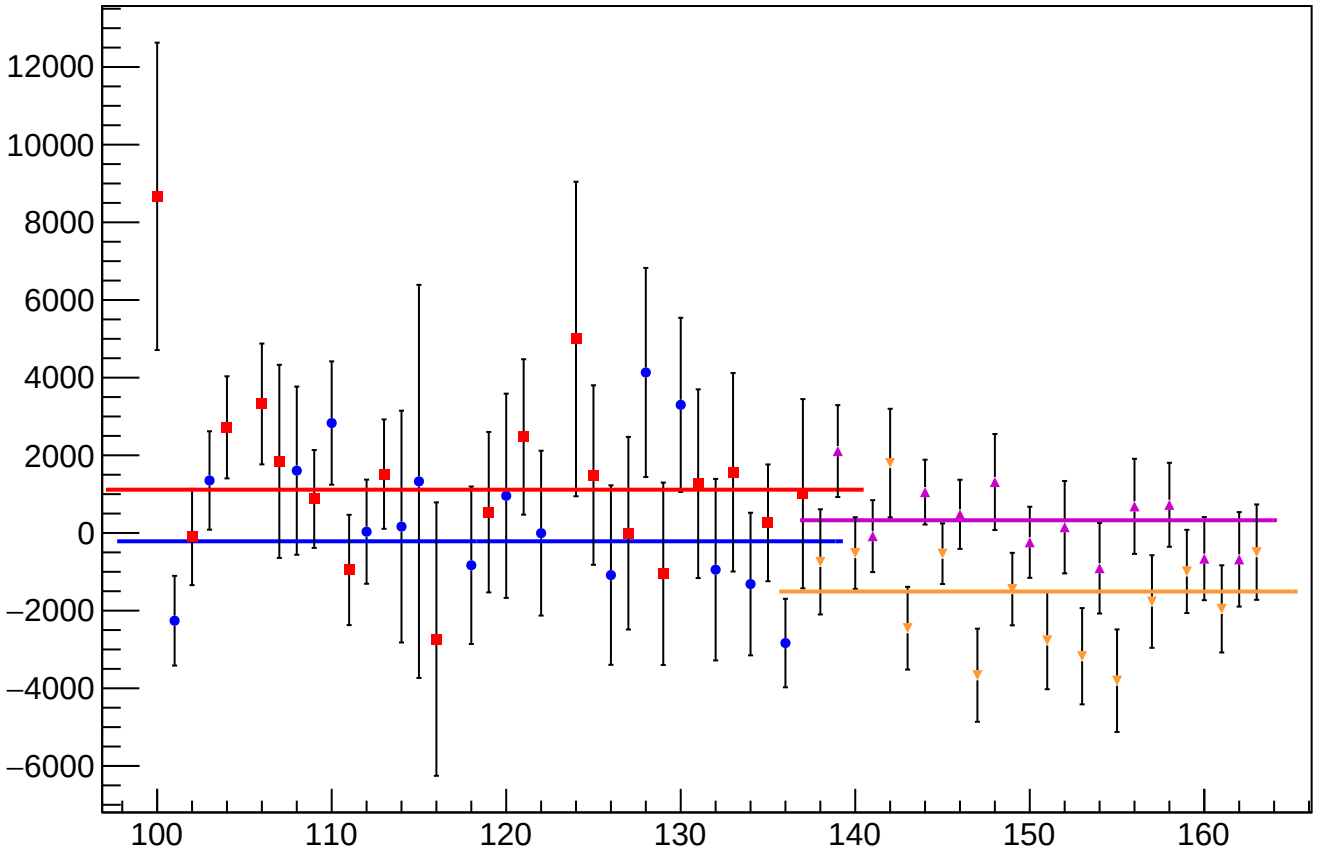
Left: 121.660+/-0.019 χ^2/NDF: 631547.4/25

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.168+/-0.020 χ^2/NDF:656722.9/27

Out: 116.205+/-0.019 χ^2/NDF:809090.4/32

All: 116.669+/-0.014 χ^2/NDF: 1467017.0/60



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1508.016+/-295.070 χ^2/NDF:19.6/13

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 327.332+/-302.403 χ^2/NDF:7.2/11

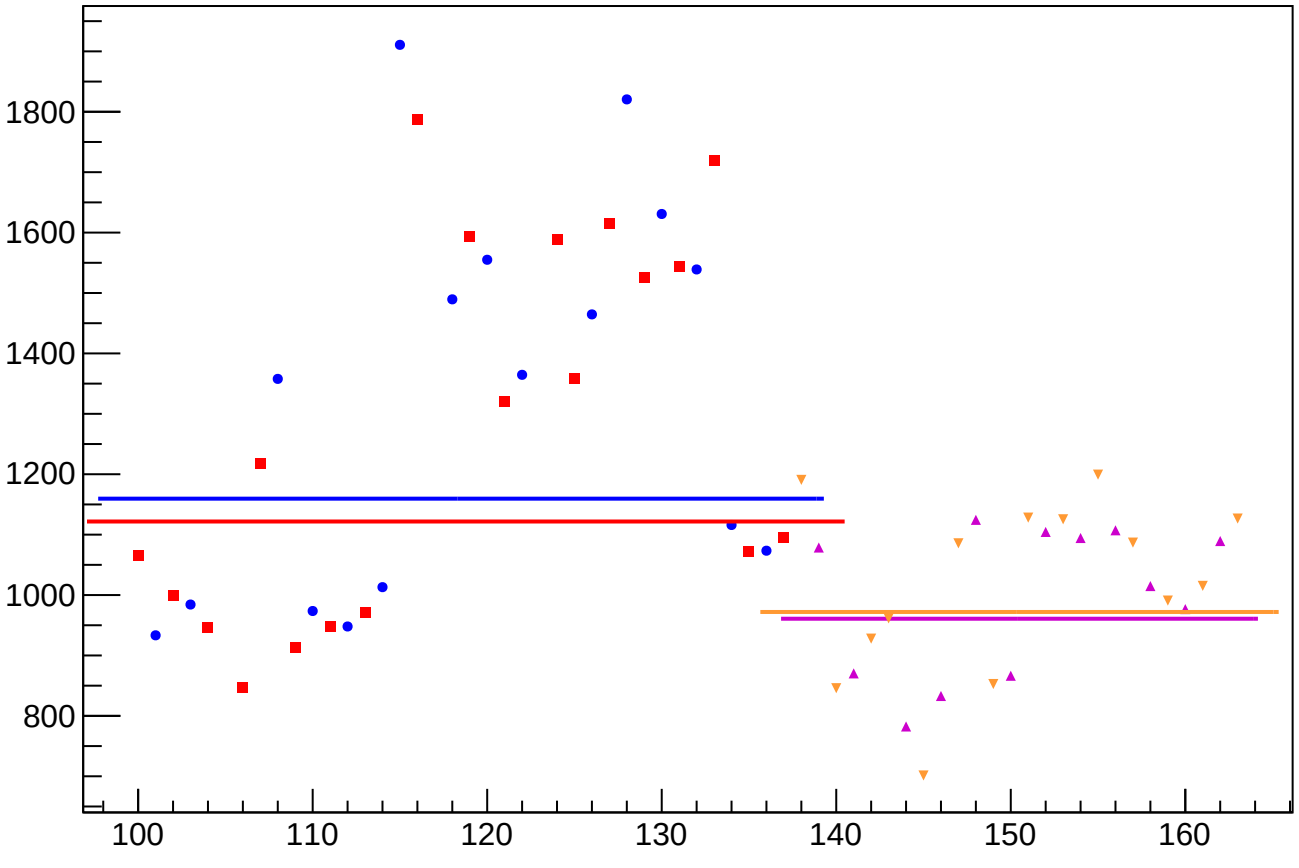
Left: -612.864+/-211.191 χ^2/NDF: 45.6/25

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 155.713+/-249.932 χ^2/NDF:28.6/27

Out: -649.649+/-242.015 χ^2/NDF:60.0/32

All: -259.925+/-173.862 χ^2/NDF: 94.0/60



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 971.993+/-0.209 χ^2/NDF:557547.3/13

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 960.805+/-0.214 χ^2/NDF:339617.0/11

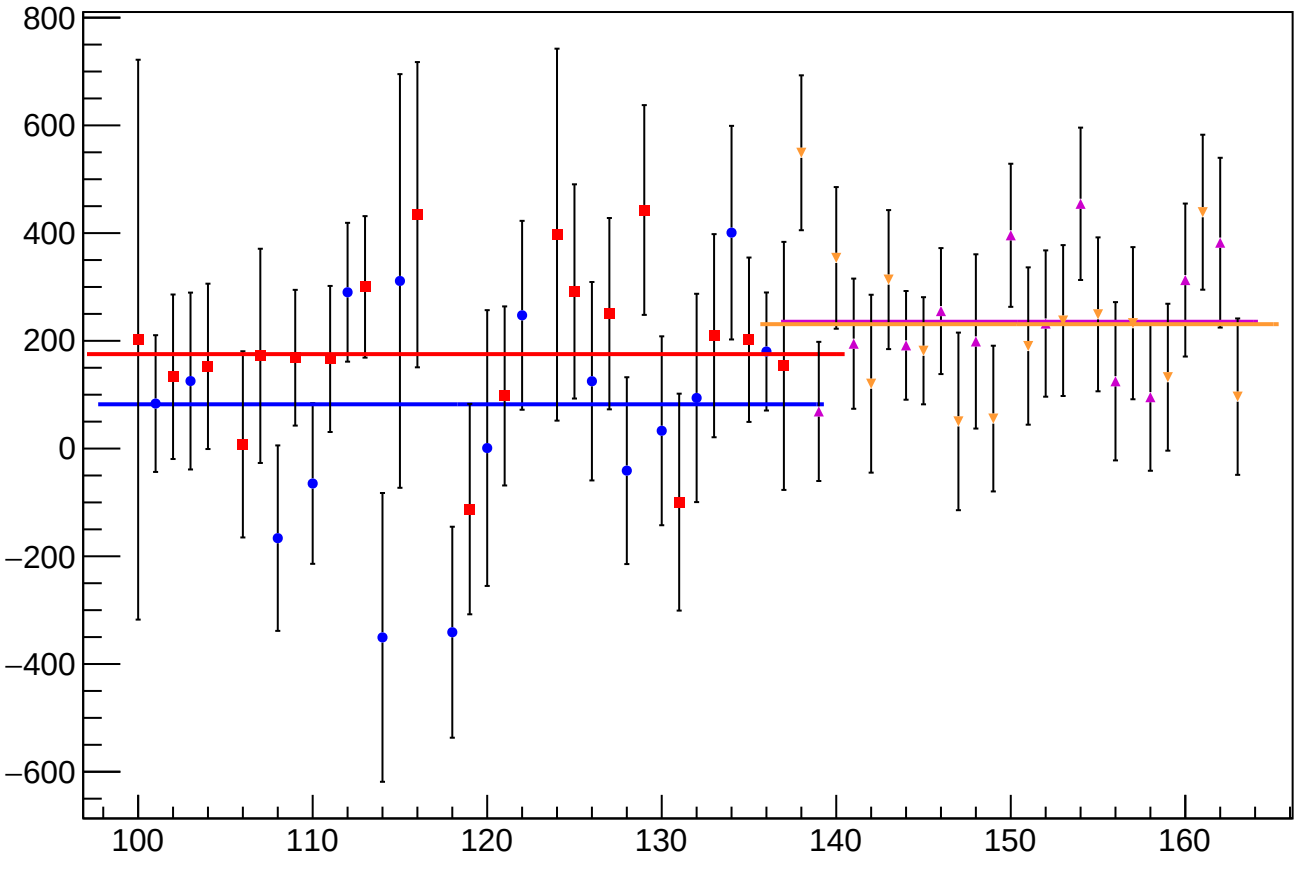
Left: 966.536+/-0.149 χ^2/NDF: 898566.8/25

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 1023.796+/-0.177 χ^2/NDF:1297137.7/27

Out: 1021.006+/-0.171 χ^2/NDF:1508431.6/32

All: 1022.357+/-0.123 χ^2/NDF: 2805697.9/60



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 230.942+/-36.713 χ^2/NDF:13.3/13

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 235.409+/-38.111 χ^2/NDF:8.7/11

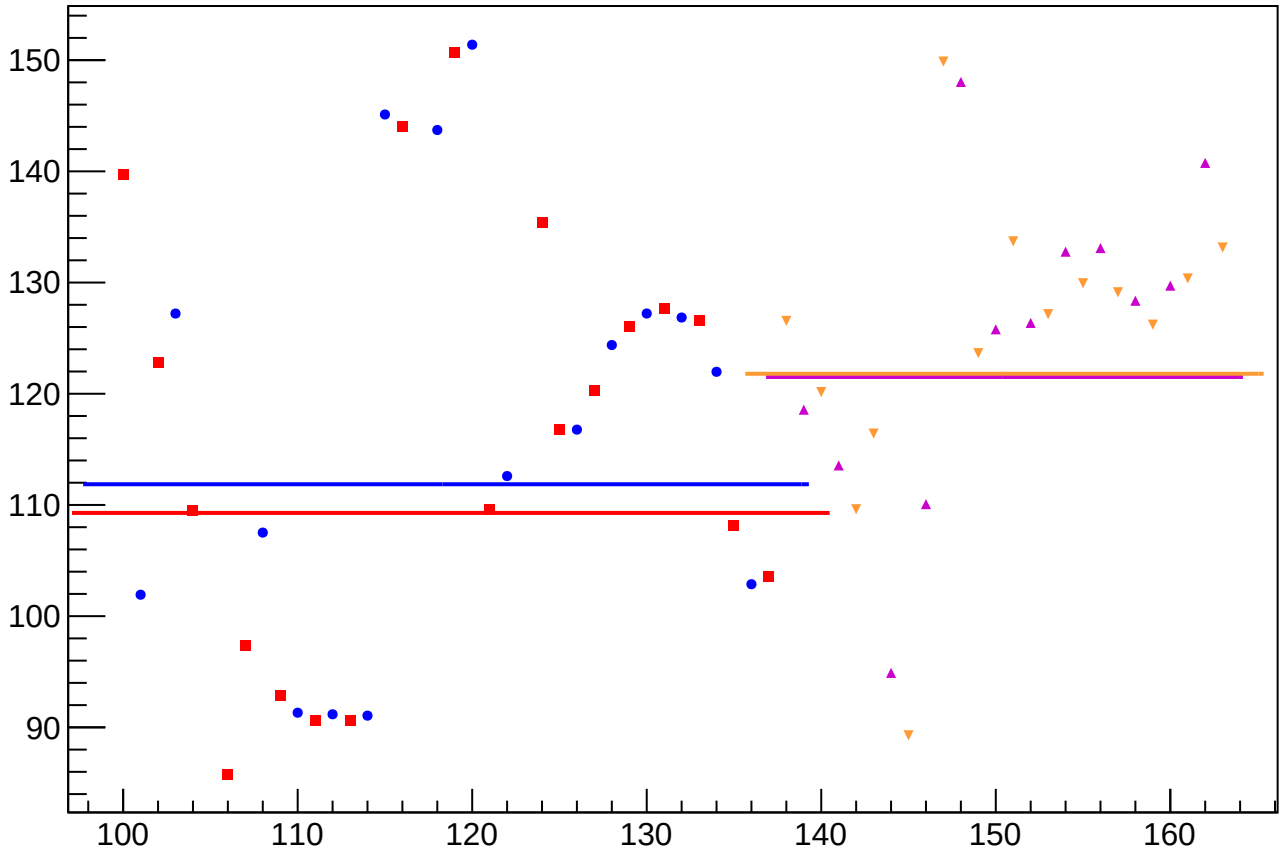
Left: 233.092+/-26.440 χ^2/NDF: 22.0/25

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 166.458+/-28.264 χ^2/NDF:34.3/27

Out: 205.982+/-27.254 χ^2/NDF:24.3/32

All: 186.938+/-19.619 χ^2/NDF: 59.6/60



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.510+/-0.027 χ^2/NDF:293018.7/11

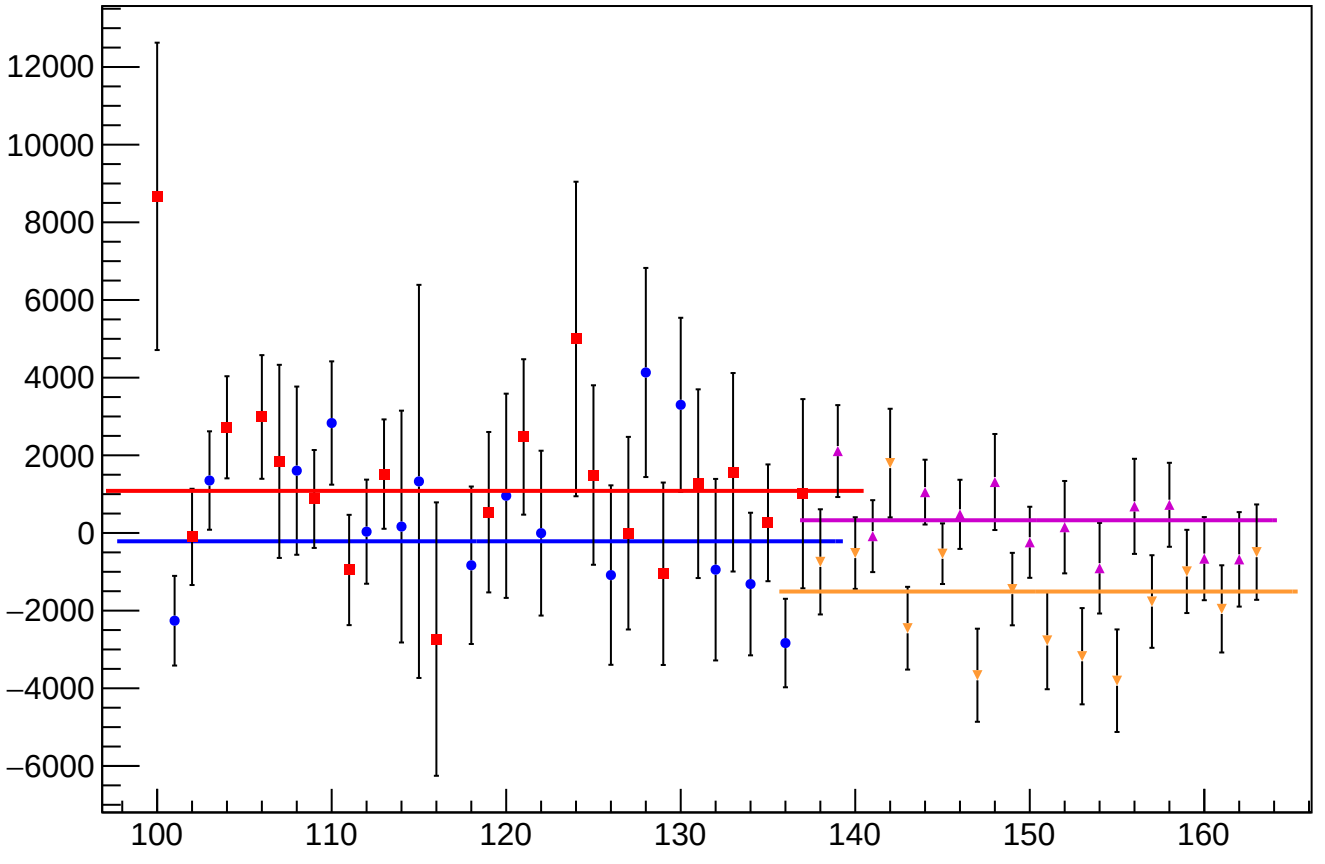
Left: 121.660+/-0.019 χ^2/NDF: 631547.4/25

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.168+/-0.020 χ^2/NDF:656723.8/27

Out: 116.181+/-0.019 χ^2/NDF:813500.2/32

All: 116.657+/-0.014 χ^2/NDF: 1471489.2/60



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1508.013+/-295.070 χ^2/NDF:19.6/13

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 327.336+/-302.403 χ^2/NDF:7.2/11

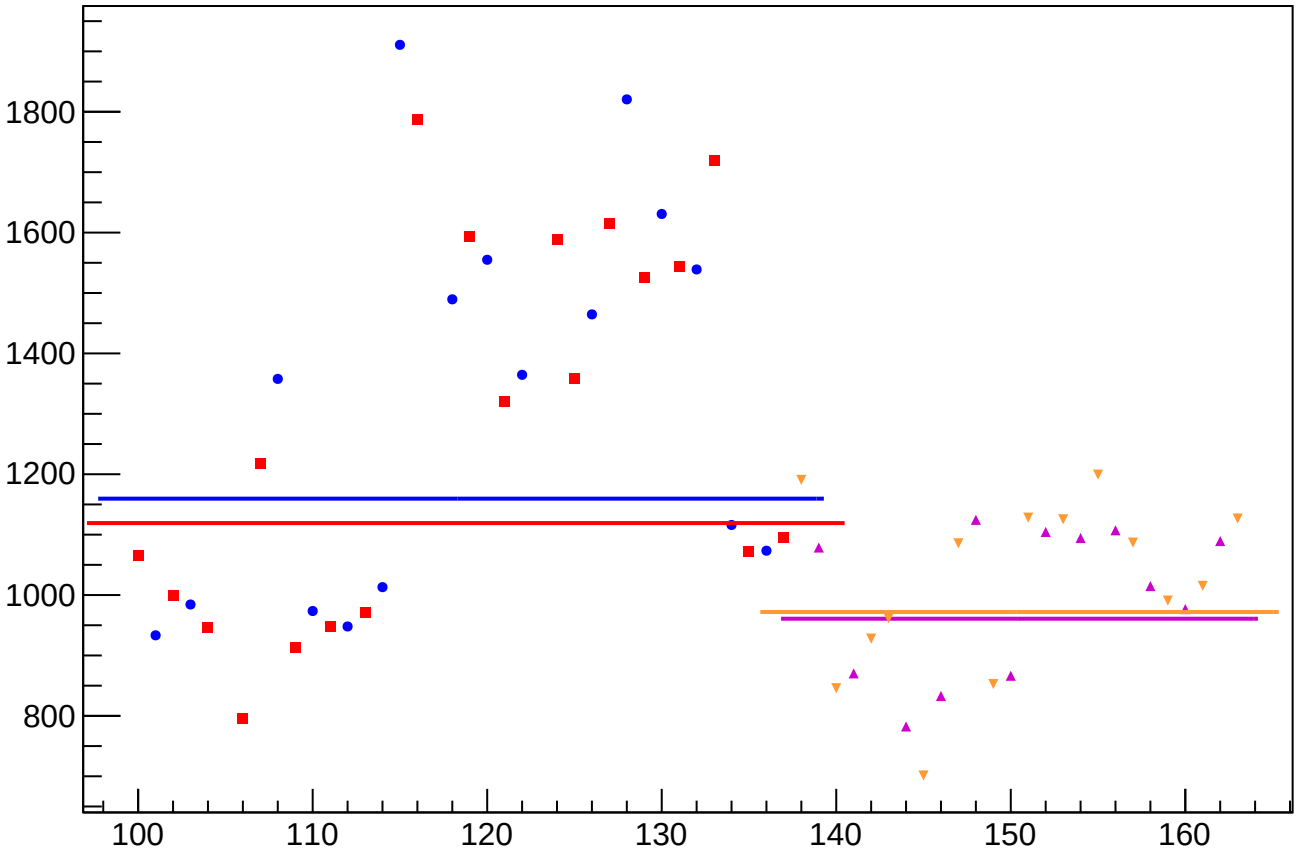
Left: -612.861+/-211.191 χ^2/NDF: 45.6/25

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 155.689+/-249.932 χ^2/NDF:28.6/27

Out: -661.694+/-242.152 χ^2/NDF:58.7/32

All: -265.923+/-173.913 χ^2/NDF: 92.8/60



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 960.805+/-0.214 χ^2/NDF:339614.5/11

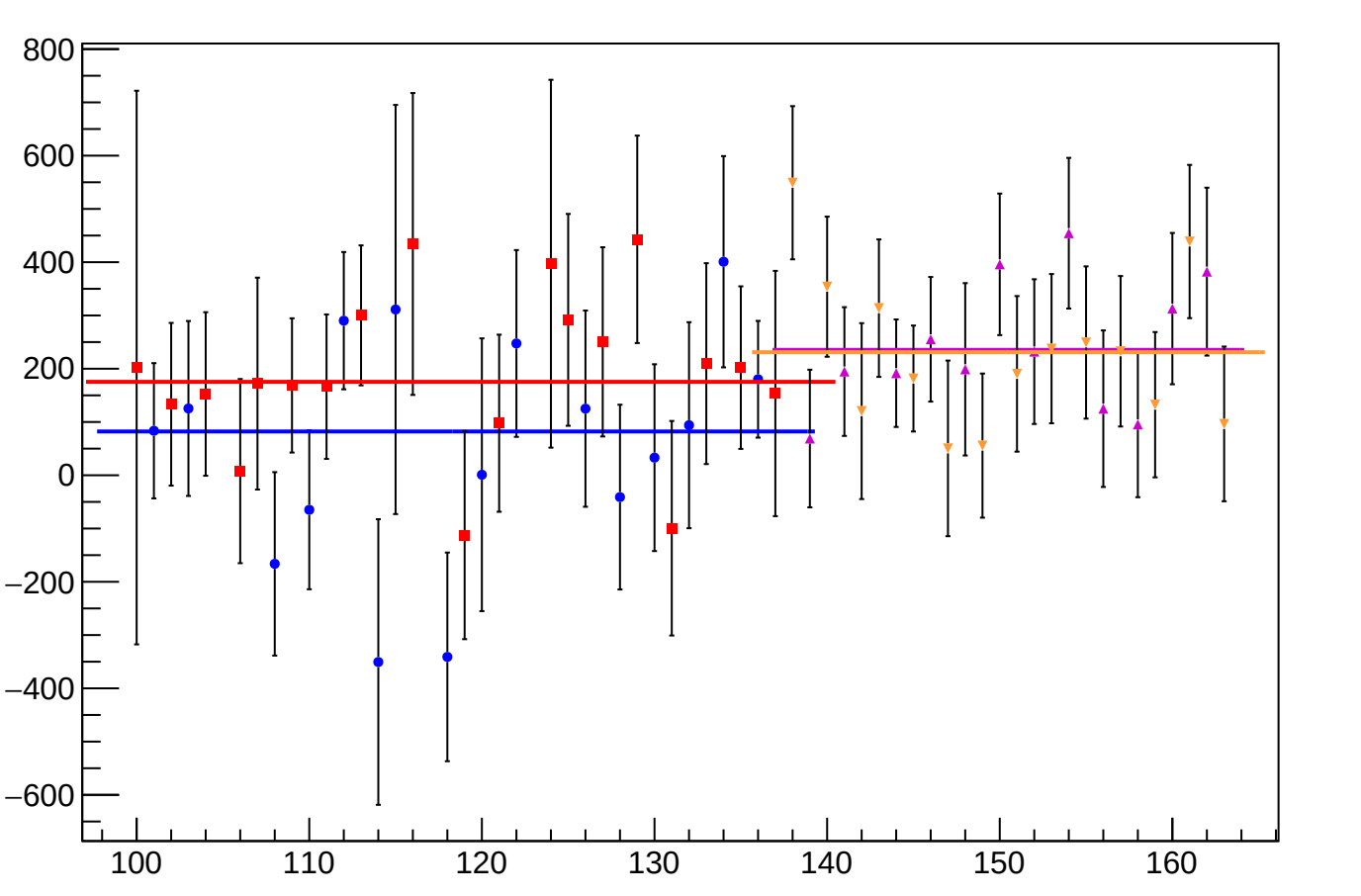
Left: 966.536+/-0.149 χ^2/NDF: 898565.8/25

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1023.799+/-0.177 χ^2/NDF:1297127.2/27

Out: 1020.044+/-0.171 χ^2/NDF:1523139.6/32

All: 1021.862+/-0.123 χ^2/NDF: 2820499.6/60


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
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−200
−400
−600
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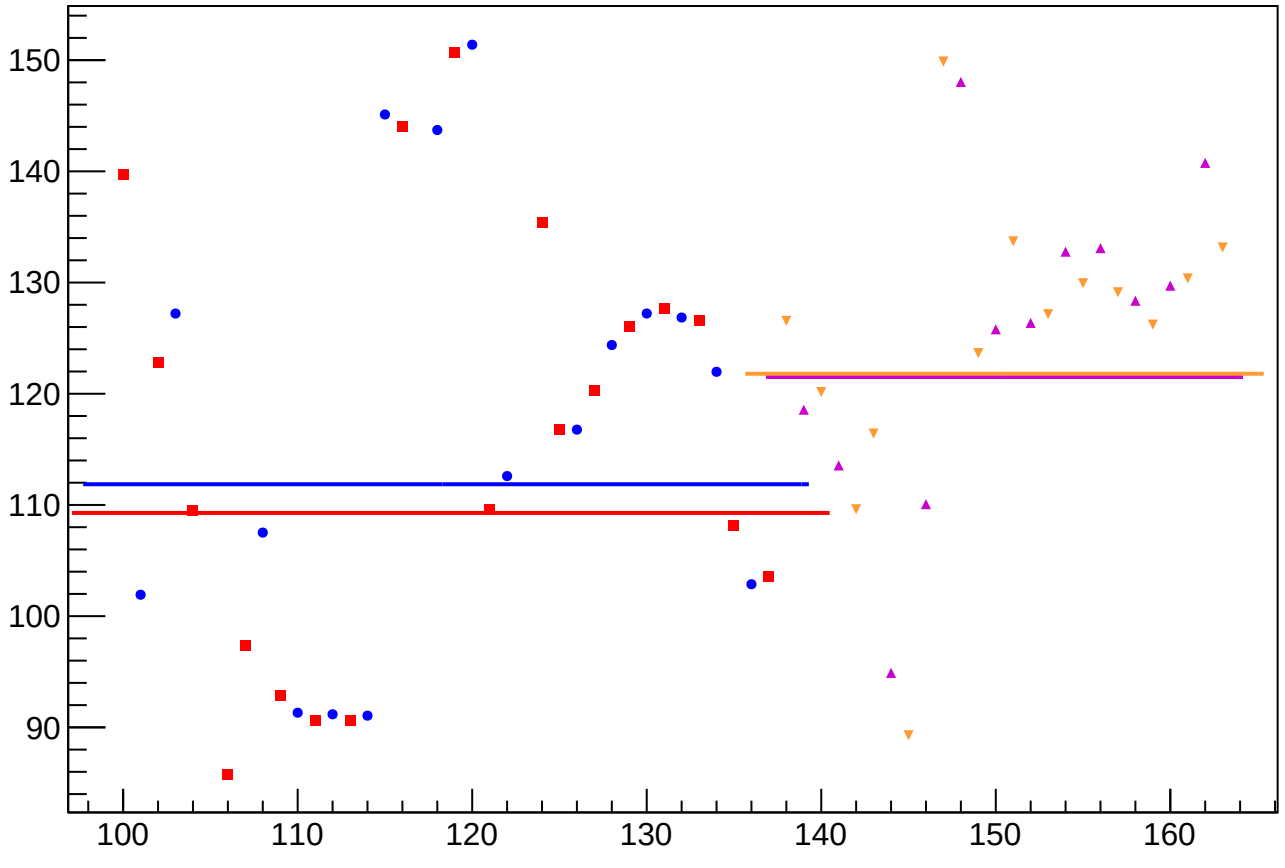
110
120
130
140
150
160
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 230.942+/-36.713 χ²/NDF:13.3/13
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 235.409+/-38.111 χ²/NDF:8.7/11
Left: 233.092+/-26.440 χ²/NDF: 22.0/25
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 166.458+/-28.264 χ²/NDF:34.3/27
Out: 205.982+/-27.254 χ²/NDF:24.3/32
All: 186.938+/-19.619 χ²/NDF: 59.6/60



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.799+/-0.026 χ^2/NDF:338469.3/13

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.510+/-0.027 χ^2/NDF:293018.7/11

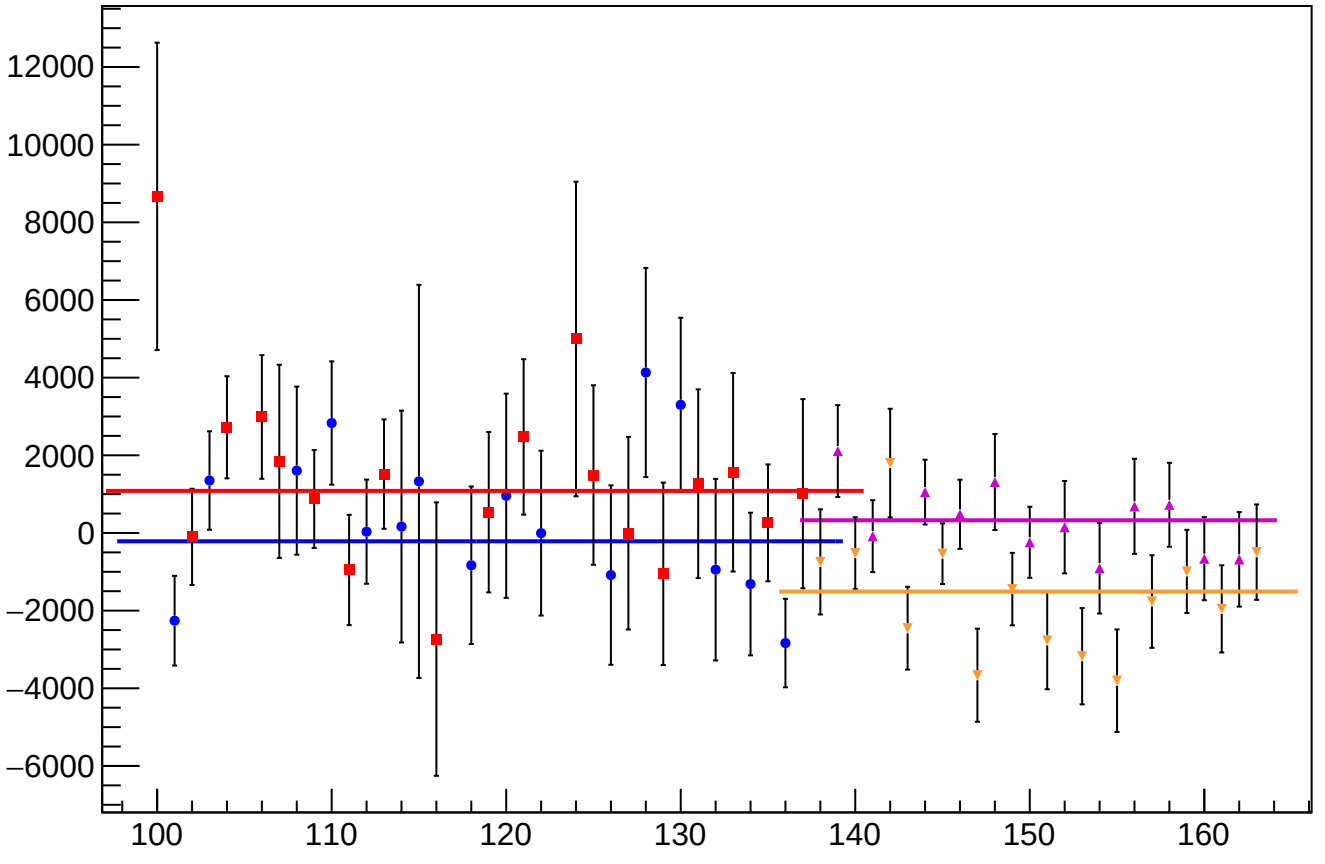
Left: 121.660+/-0.019 χ^2/NDF: 631547.4/25

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.168+/-0.020 χ^2/NDF:656723.8/27

Out: 116.181+/-0.019 χ^2/NDF:813500.2/32

All: 116.657+/-0.014 χ^2/NDF: 1471489.2/60



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1508.013+/-295.070 χ^2/NDF:19.6/13

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 327.336+/-302.403 χ^2/NDF:7.2/11

Left: -612.861+/-211.191 χ^2/NDF: 45.6/25

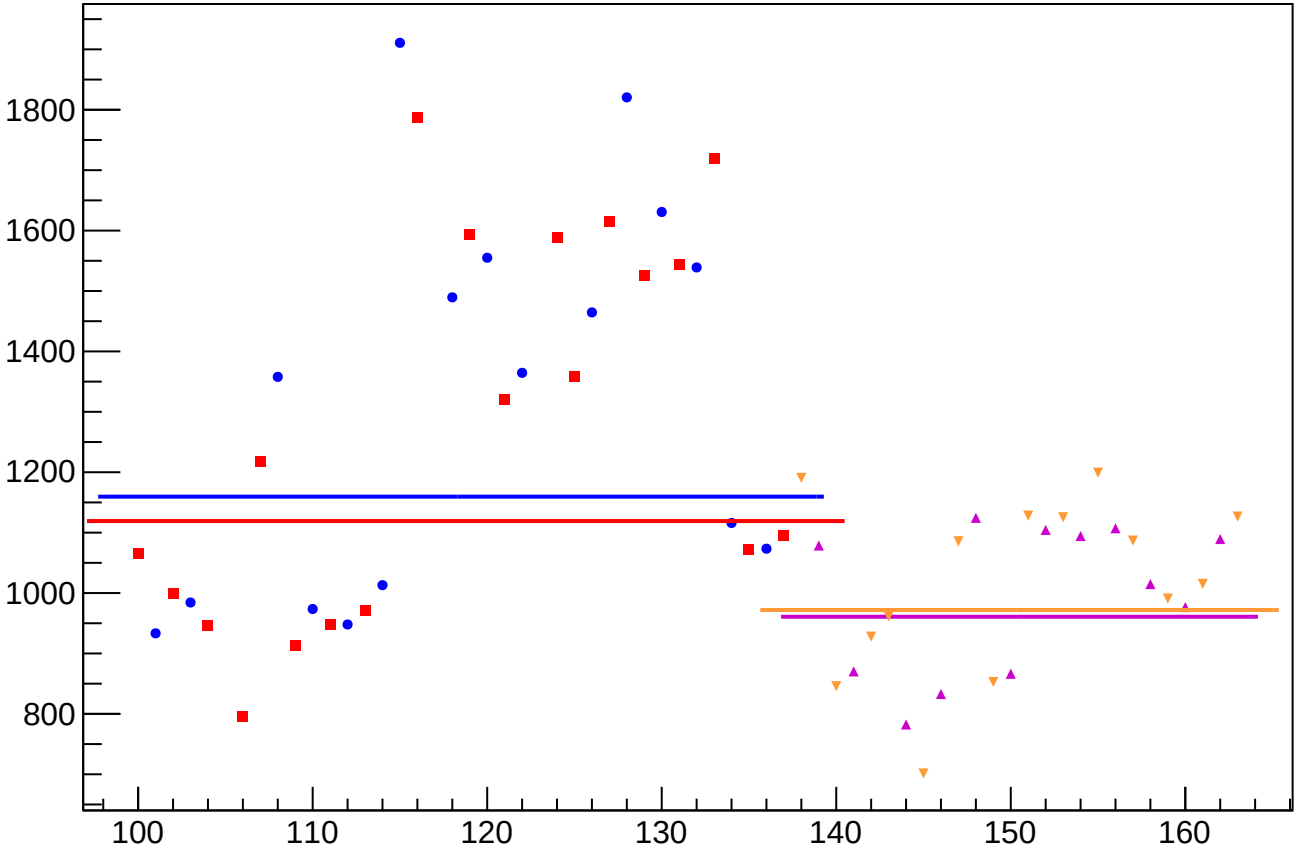
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 155.689+/-249.932 χ^2/NDF:28.6/27

Out: -661.694+/-242.152 χ^2/NDF:58.7/32

All: -265.923+/-173.913 χ^2/NDF: 92.8/60

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 971.993+/-0.209 χ^2/NDF:557548.9/13

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 960.805+/-0.214 χ^2/NDF:339614.5/11

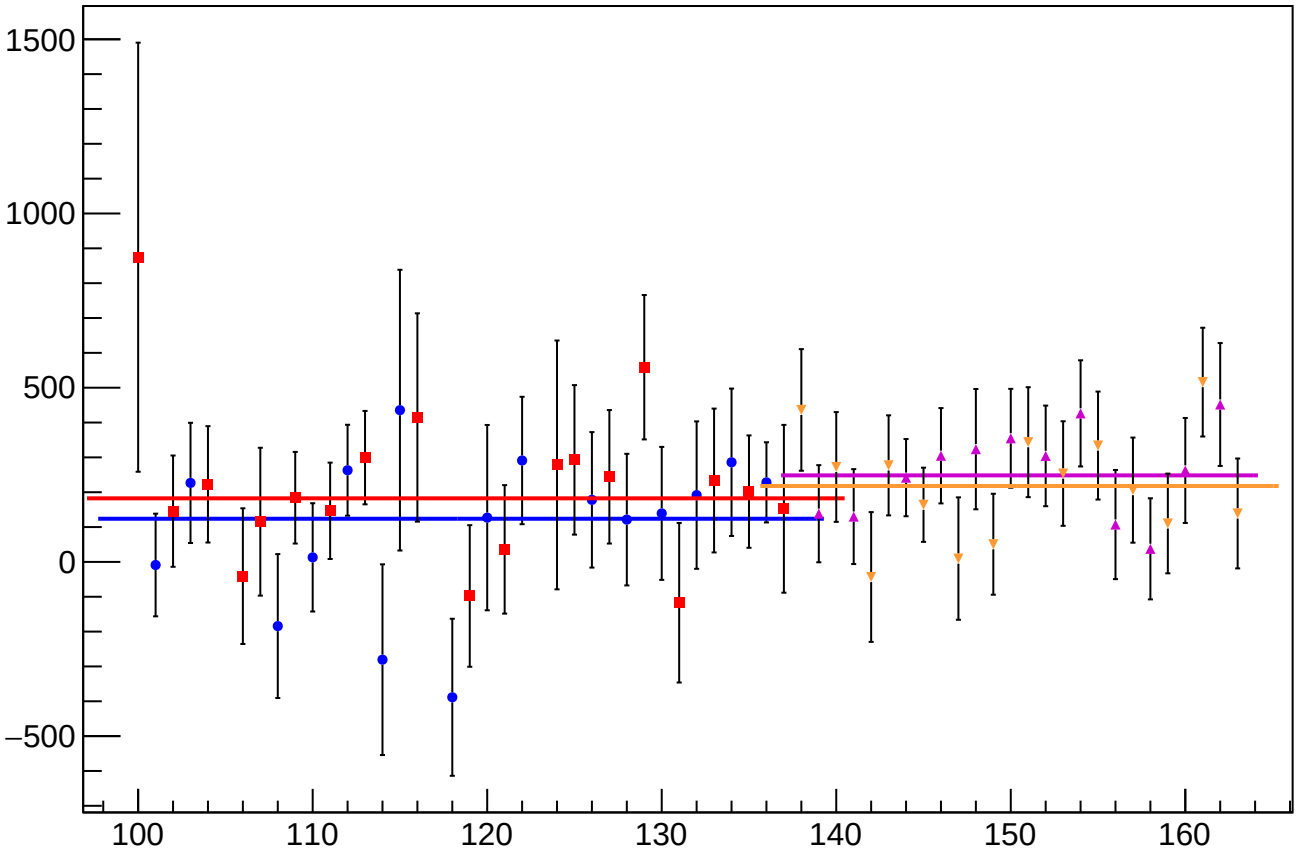
Left: 966.536+/-0.149 χ^2/NDF: 898565.8/25

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1023.799+/-0.177 χ^2/NDF:1297127.2/27

Out: 1020.044+/-0.171 χ^2/NDF:1523139.6/32

All: 1021.862+/-0.123 χ^2/NDF: 2820499.6/60



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.886+/-40.193 χ^2/NDF:12.5/13

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 248.378+/-41.558 χ^2/NDF:8.1/11

Left: 232.623+/-28.891 χ^2/NDF: 20.9/25

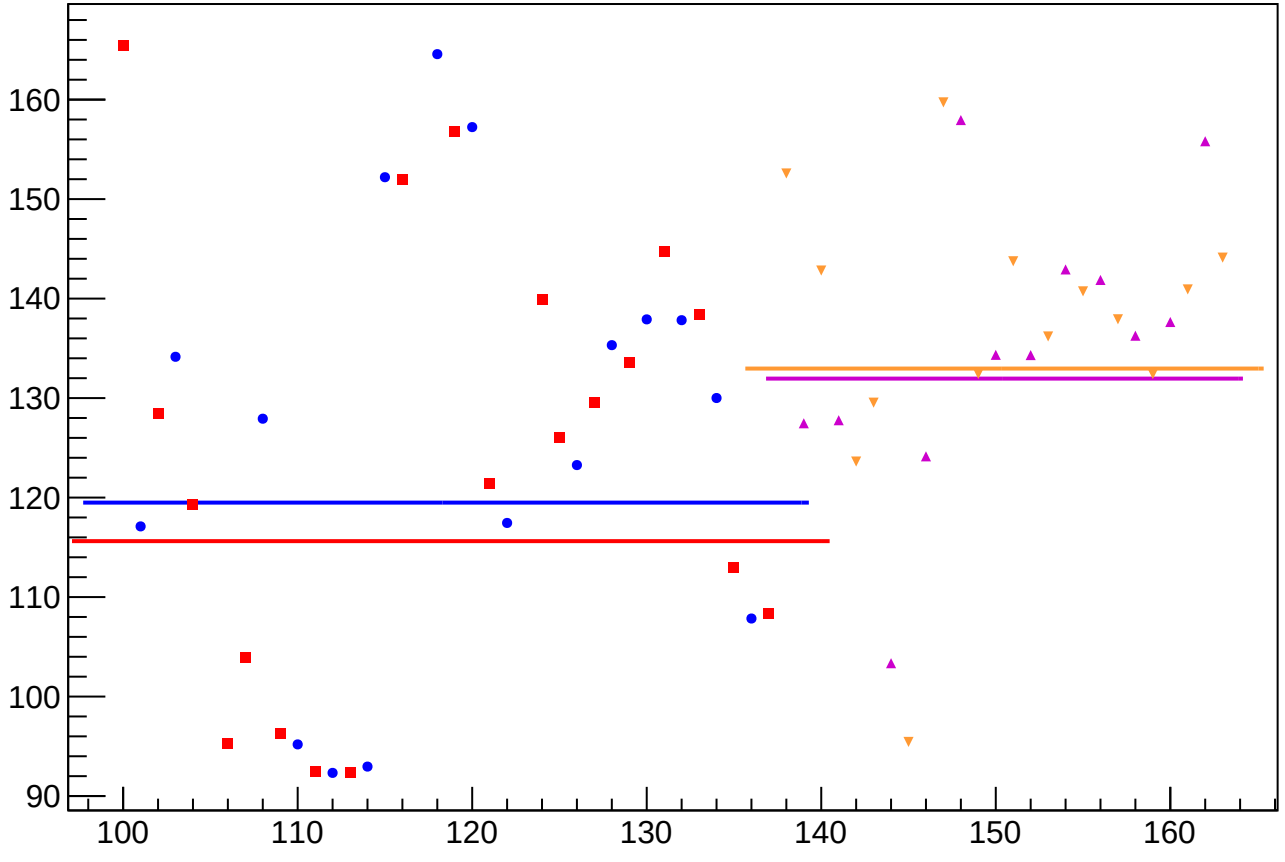
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 191.404+/-30.604 χ^2/NDF:27.6/27

Out: 201.462+/-29.434 χ^2/NDF:25.2/32

All: 196.629+/-21.215 χ^2/NDF: 52.9/60

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.968+/-0.028 χ^2/NDF:366792.6/13

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.958+/-0.029 χ^2/NDF:249814.3/11

Left: 132.480+/-0.020 χ^2/NDF: 617216.4/25

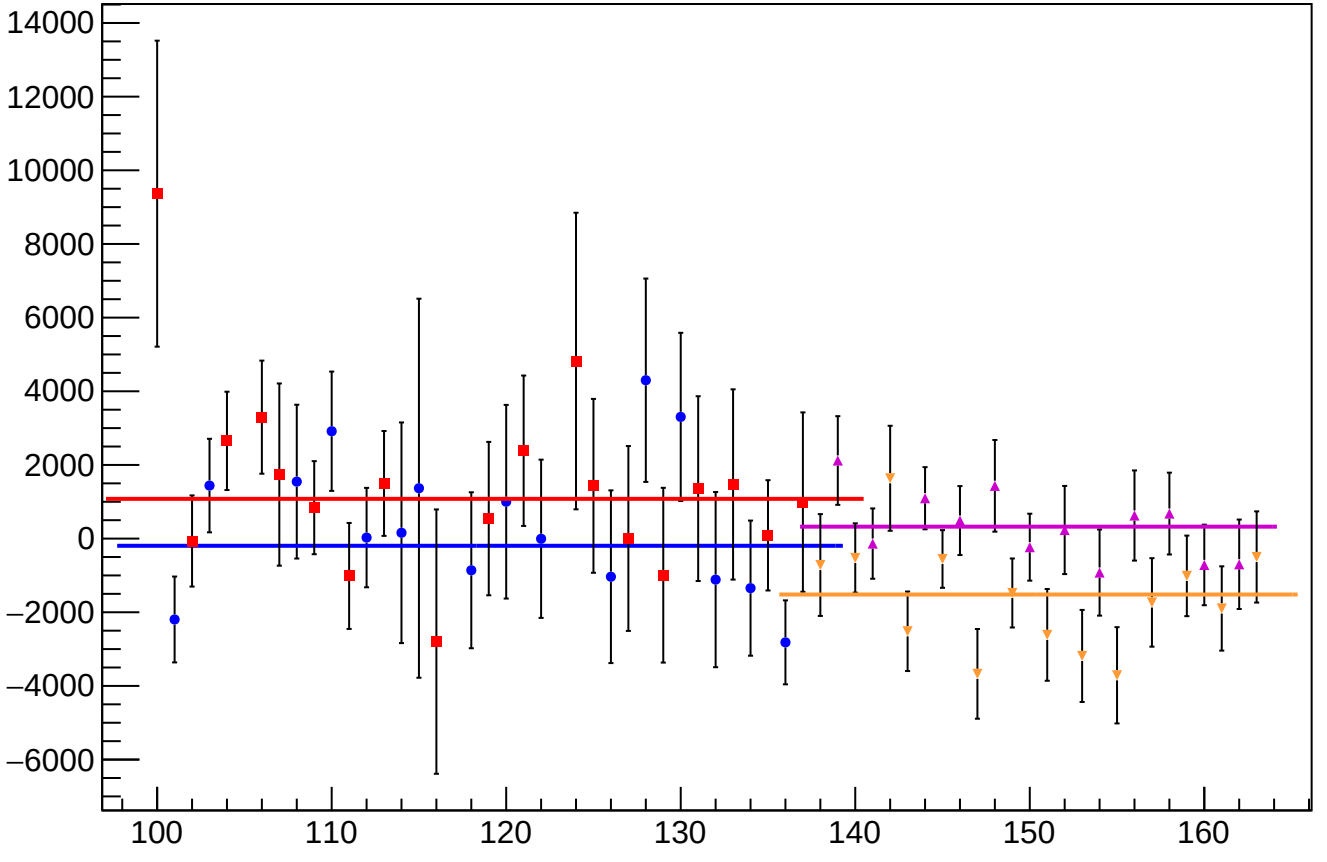
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.254+/-0.022 χ^2/NDF:712401.6/27

Out: 124.924+/-0.021 χ^2/NDF:966488.1/32

All: 125.563+/-0.015 χ^2/NDF: 1680851.3/60

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1518.387+/-297.969 χ^2/NDF:18.3/13

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 324.424+/-307.013 χ^2/NDF:7.4/11

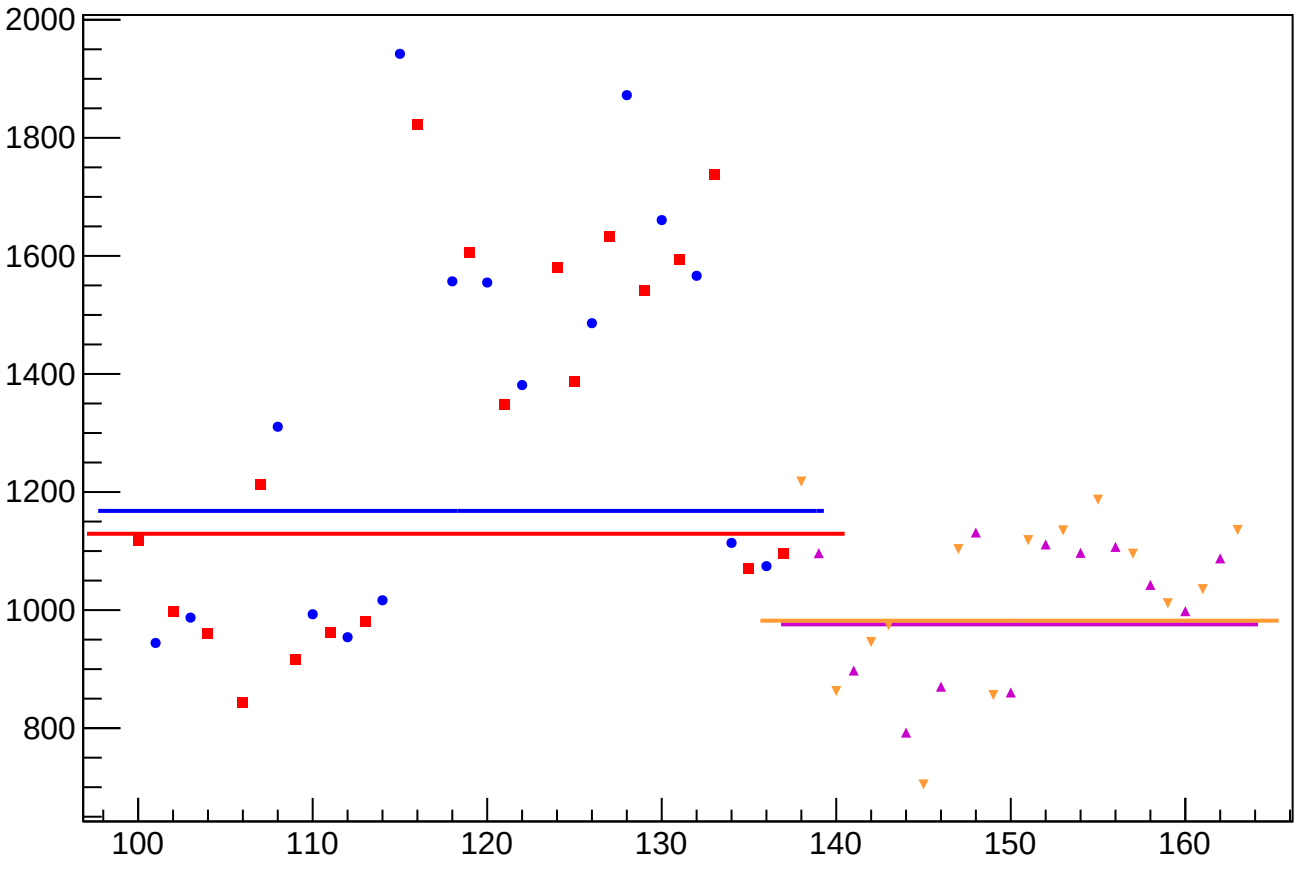
Left: -624.524+/-213.822 χ^2/NDF: 44.2/25

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 158.074+/-253.131 χ^2/NDF:28.7/27

Out: -664.838+/-244.158 χ^2/NDF:57.8/32

All: -268.225+/-175.733 χ^2/NDF: 92.0/60



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 982.056+/-0.211 χ^2/NDF:556236.9/13

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 975.851+/-0.217 χ^2/NDF:311888.4/11

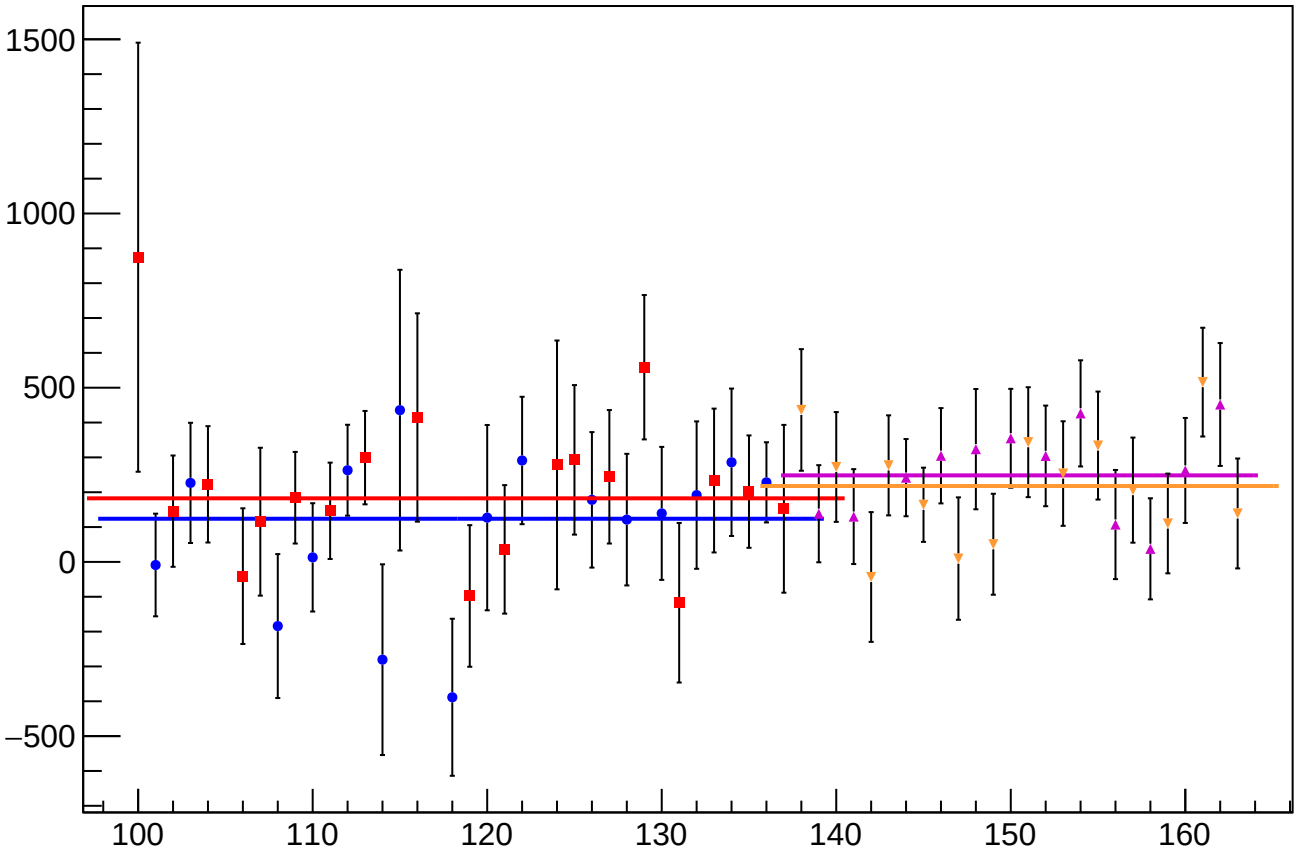
Left: 979.046+/-0.151 χ^2/NDF: 868546.0/25

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1037.399+/-0.179 χ^2/NDF:1272268.7/27

Out: 1030.441+/-0.173 χ^2/NDF:1523963.8/32

All: 1033.794+/-0.124 χ^2/NDF: 2797015.2/60



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 217.887+/-40.193 χ^2/NDF:12.5/13

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 248.379+/-41.558 χ^2/NDF:8.1/11

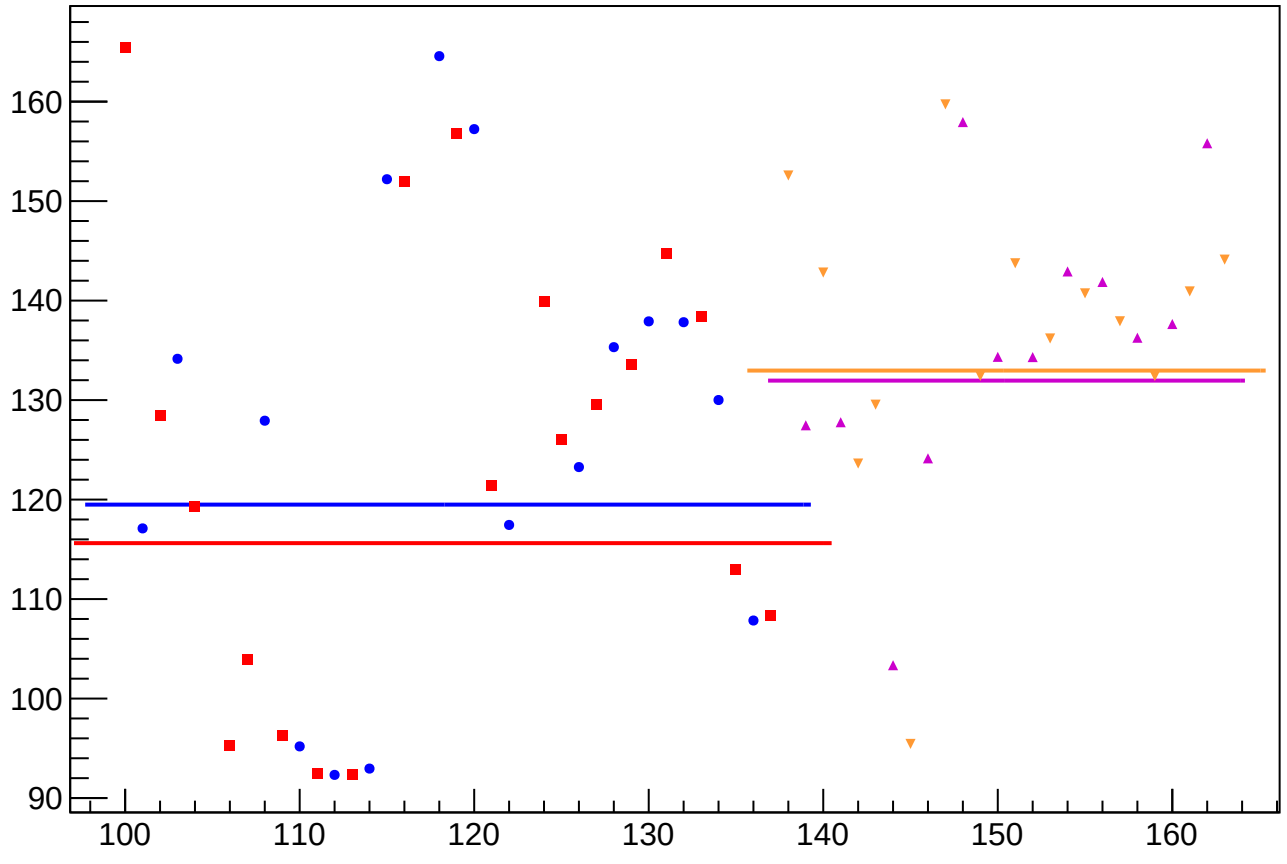
Left: 232.624+/-28.891 χ^2/NDF: 20.9/25

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 191.406+/-30.604 χ^2/NDF:27.6/27

Out: 201.463+/-29.434 χ^2/NDF:25.2/32

All: 196.630+/-21.215 χ^2/NDF: 52.9/60



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.968+/-0.028 χ^2/NDF:366791.0/13

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.959+/-0.029 χ^2/NDF:249813.6/11

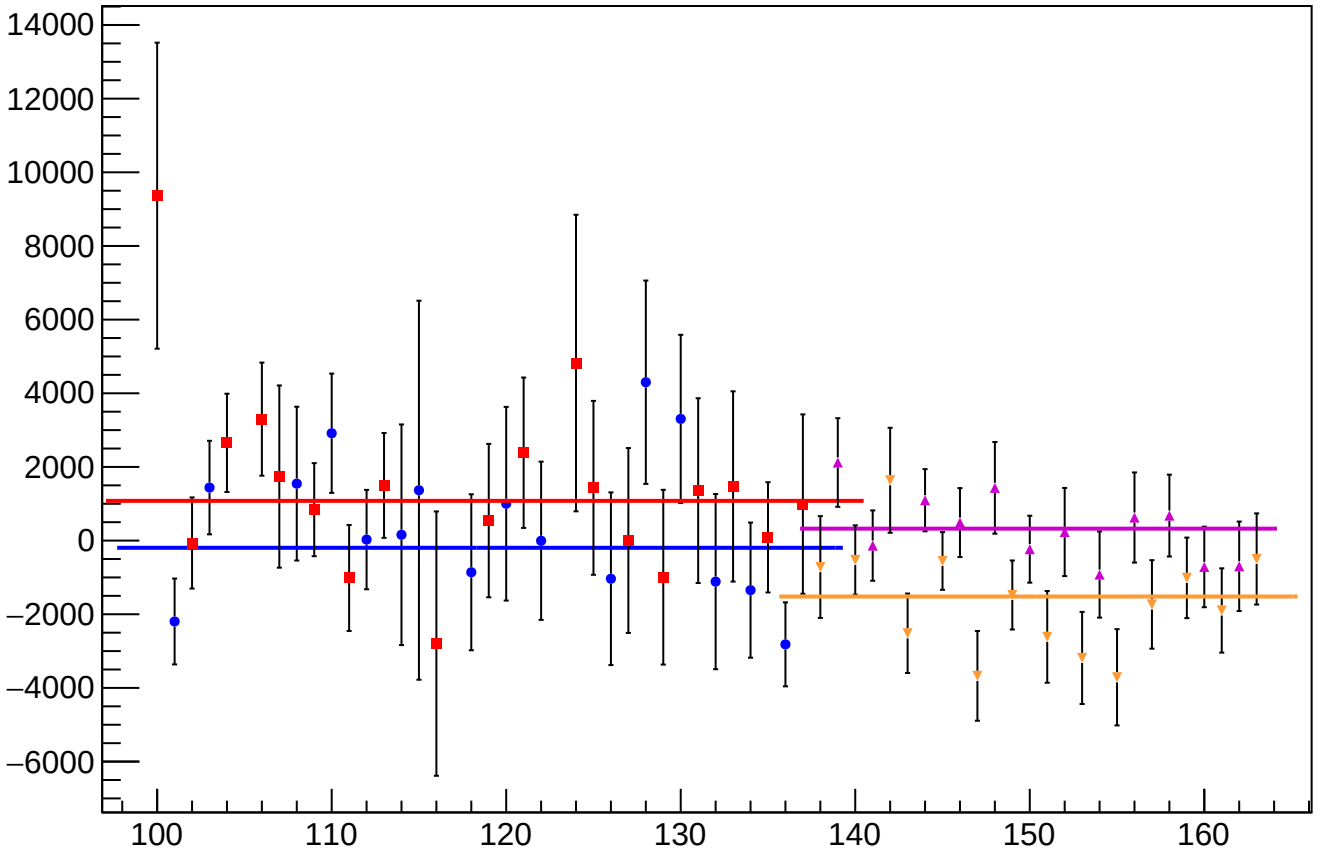
Left: 132.480+/-0.020 χ^2/NDF: 617214.1/25

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 126.254+/-0.022 χ^2/NDF:712405.2/27

Out: 124.924+/-0.021 χ^2/NDF:966493.4/32

All: 125.563+/-0.015 χ^2/NDF: 1680860.4/60



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1518.385+/-297.969 χ^2/NDF:18.3/13

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 324.424+/-307.013 χ^2/NDF:7.4/11

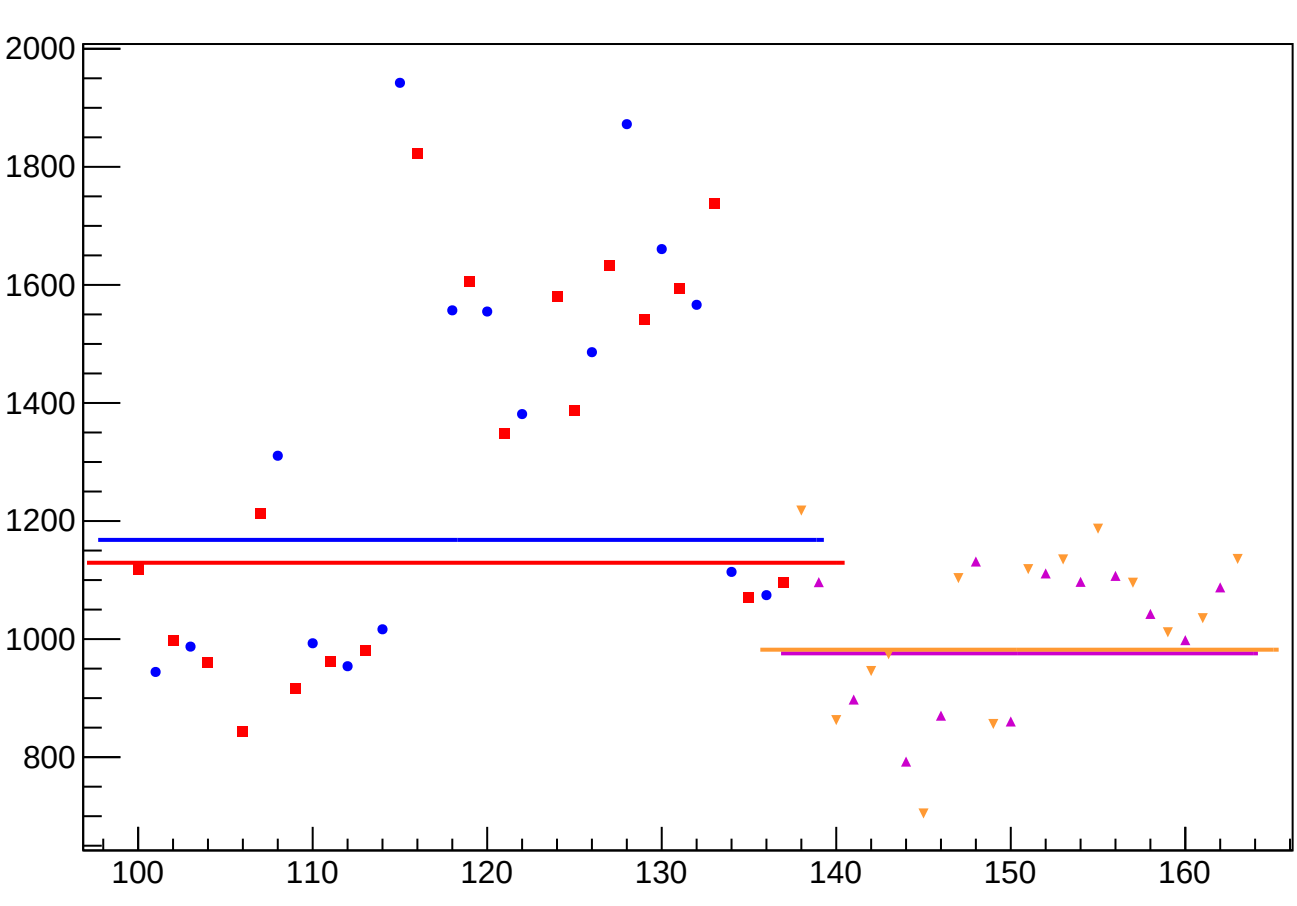
Left: -624.524+/-213.822 χ^2/NDF: 44.2/25

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

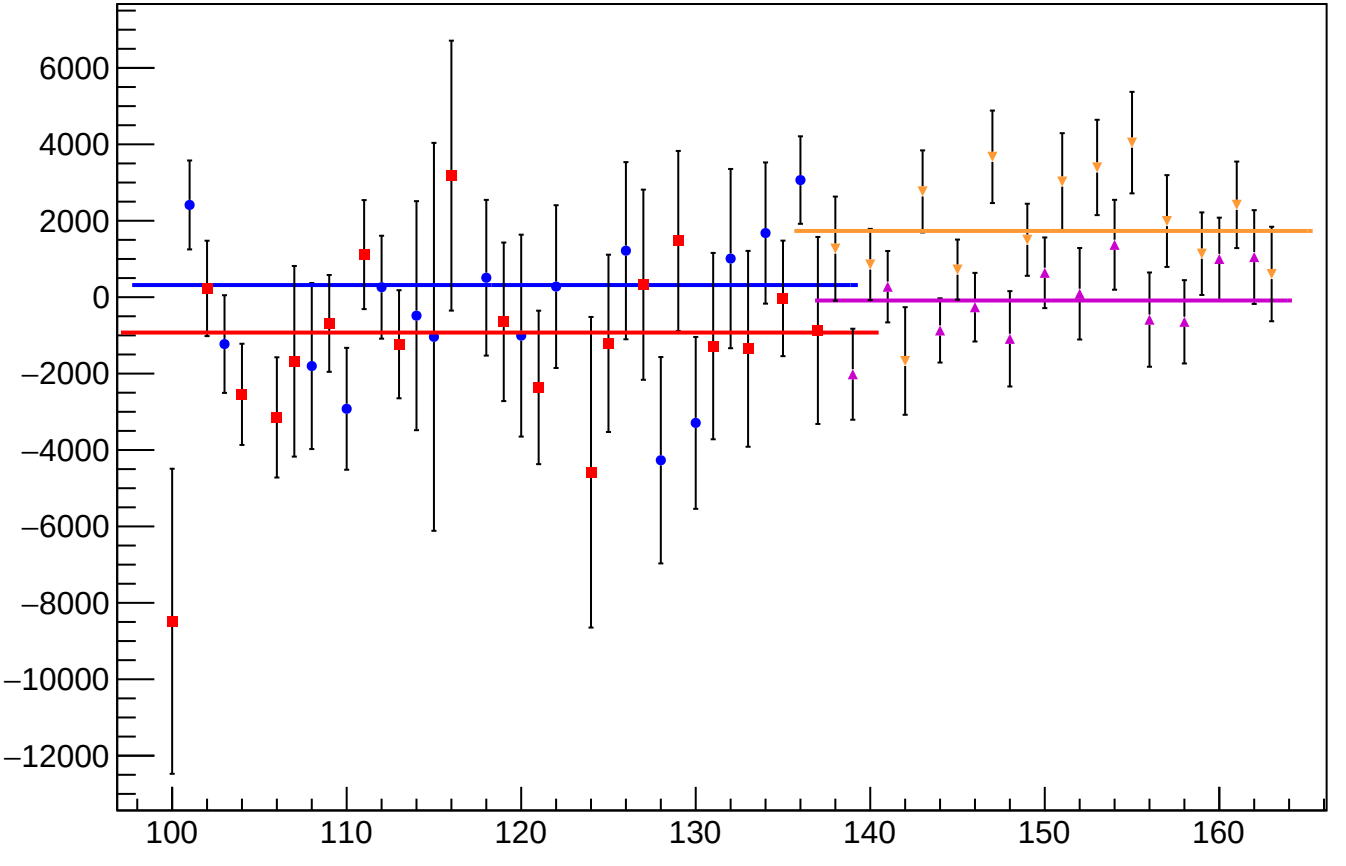
In: 158.074+/-253.131 χ^2/NDF:28.7/27

Out: -664.837+/-244.158 χ^2/NDF:57.8/32

All: -268.225+/-175.733 χ^2/NDF: 92.0/60


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
Right In: 1168.063+/-0.316 χ²/NDF: 709365.6/15
Left Out: 982.055+/-0.211 χ²/NDF:556240.4/13
Right Out: 1129.316+/-0.301 χ²/NDF: 807224.0/18
Left In: 975.851+/-0.217 χ²/NDF:311886.5/11
Left: 979.046+/-0.151 χ²/NDF: 868547.4/25
Right: 1147.741+/-0.218 χ²/NDF: 1524459.2/34
In: 1037.398+/-0.179 χ²/NDF:1272269.0/27
Out: 1030.440+/-0.173 χ²/NDF:1523970.0/32
All: 1033.794+/-0.124 χ²/NDF: 2797021.7/60

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1733.325+/-297.466 χ^2/NDF:19.4/13

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -87.074+/-304.897 χ^2/NDF:8.8/11

Left: 845.578+/-212.919 χ^2/NDF: 46.5/25

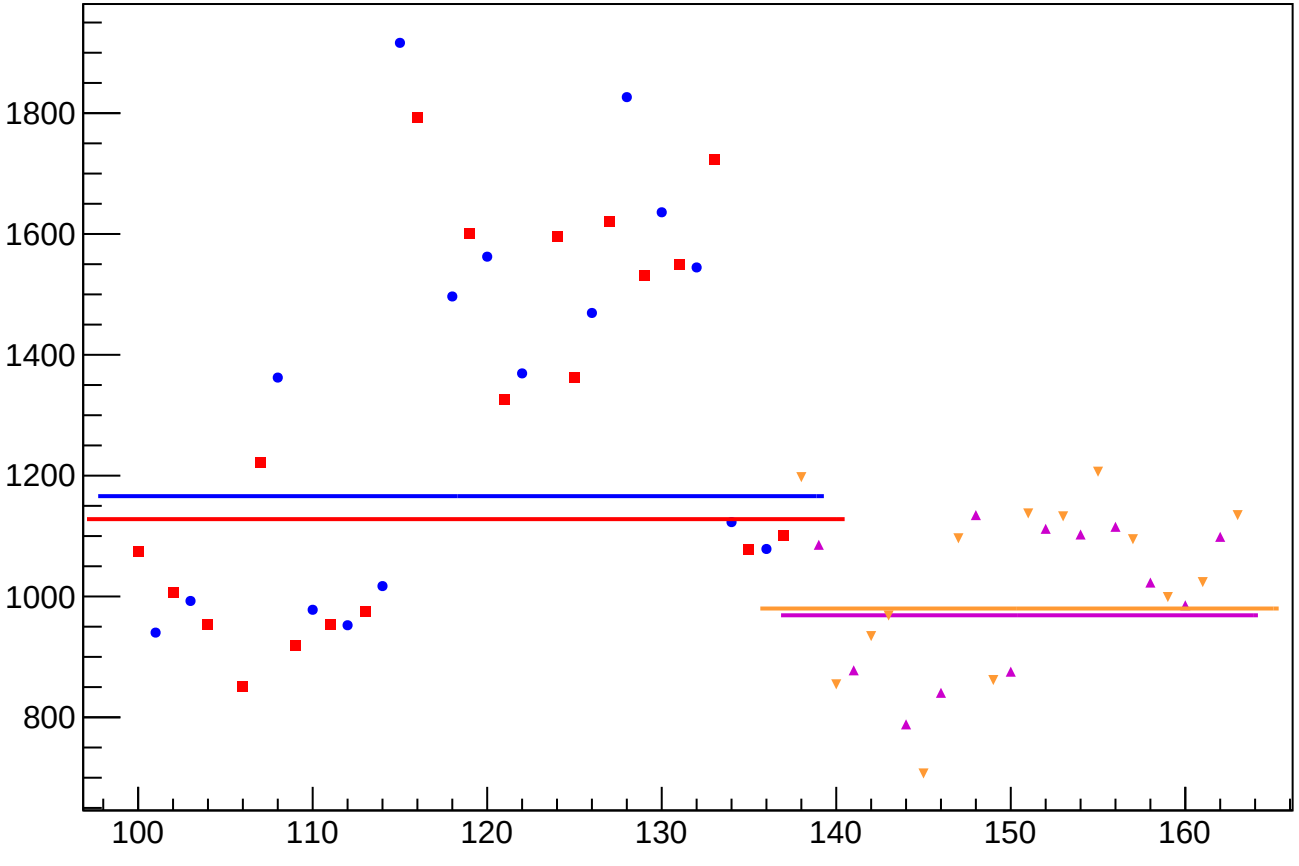
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 41.604+/-251.763 χ^2/NDF:31.5/27

Out: 860.020+/-243.779 χ^2/NDF:60.2/32

All: 463.995+/-175.132 χ^2/NDF: 97.2/60

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 980.079+/-0.210 χ^2/NDF:552313.6/13

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 968.851+/-0.216 χ^2/NDF:337386.9/11

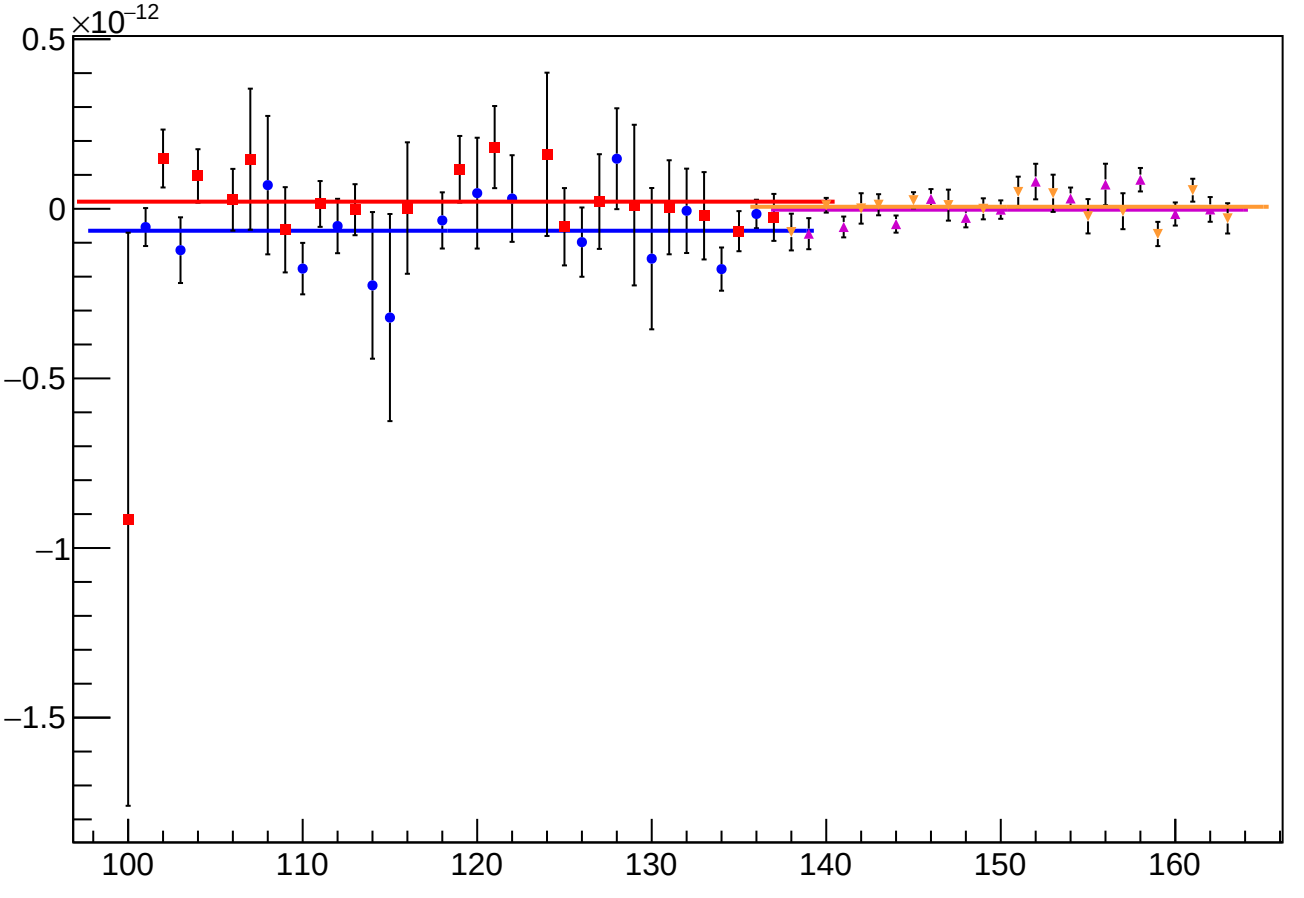
Left: 974.603+/-0.151 χ^2/NDF: 891090.0/25

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1031.595+/-0.178 χ^2/NDF:1280654.3/27

Out: 1028.657+/-0.172 χ^2/NDF:1490501.3/32

All: 1030.078+/-0.124 χ^2/NDF: 2771296.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.6/11

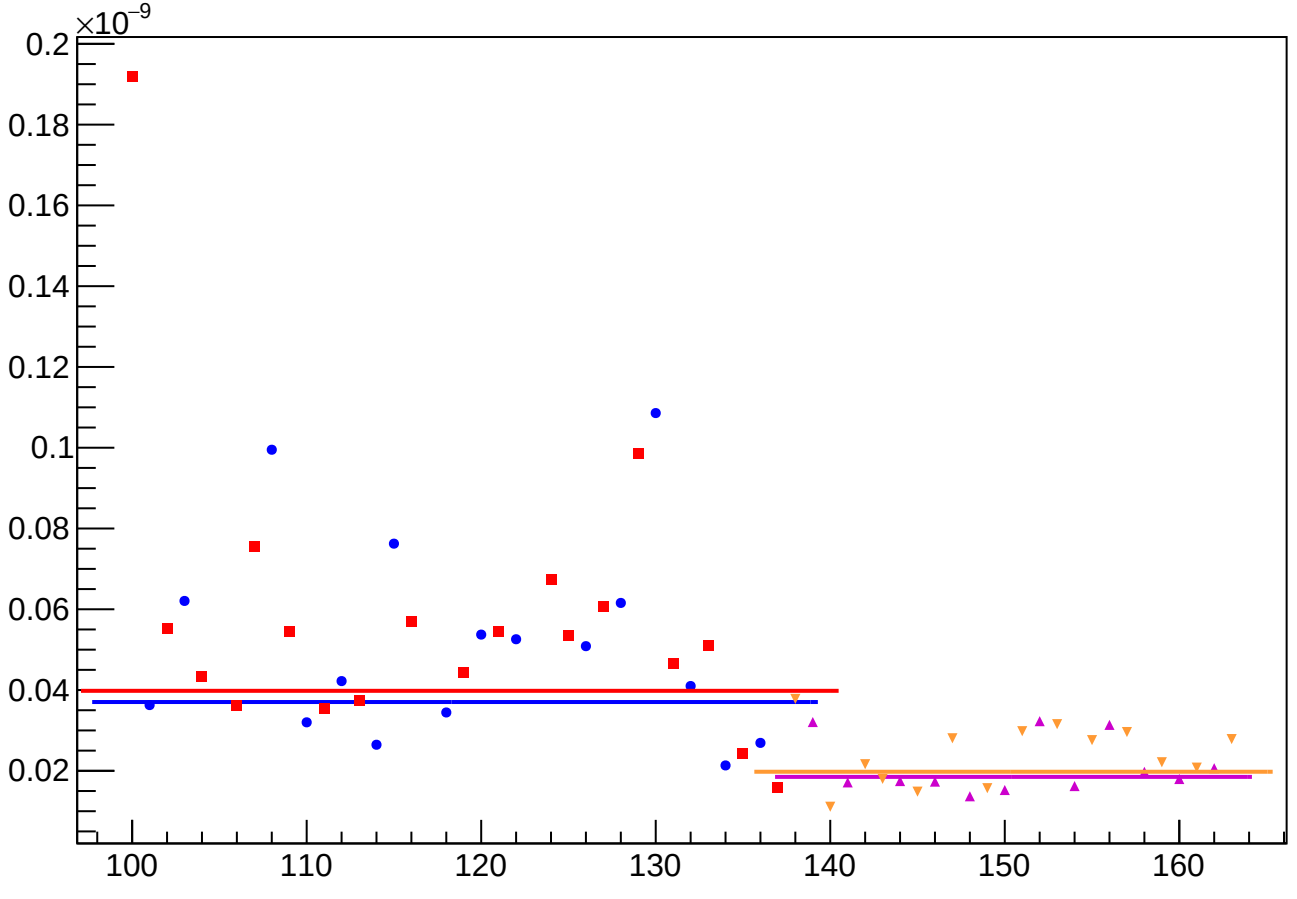
Left: 0.000+/-0.000 χ^2/NDF: 34.3/25

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:40.9/27

Out: 0.000+/-0.000 χ^2/NDF:24.1/32

All: -0.000+/-0.000 χ^2/NDF: 67.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1121832.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:520927.2/11

Left: 0.000+/-0.000 χ^2/NDF: 1660618.1/25

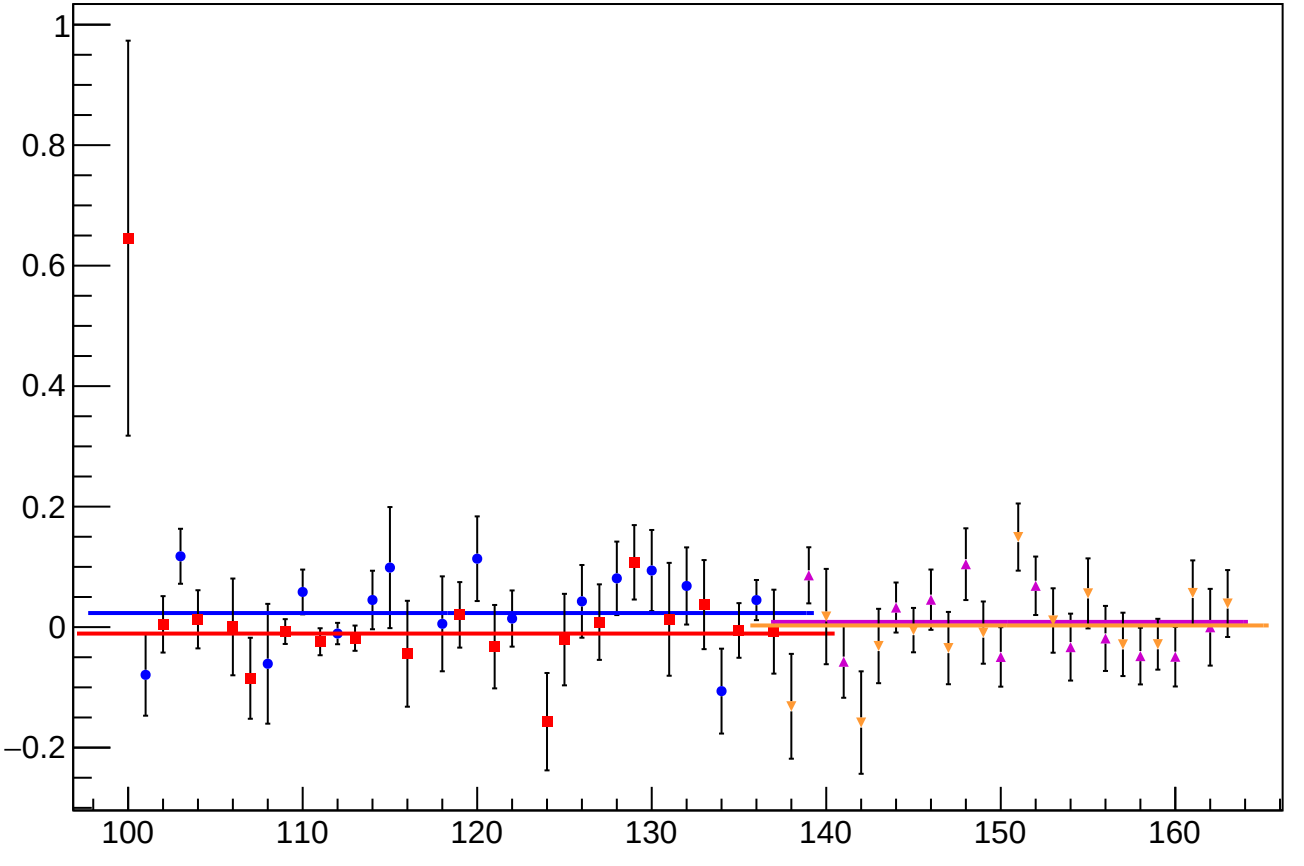
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2726626.3/27

Out: 0.000+/-0.000 χ^2/NDF:3310607.5/32

All: 0.000+/-0.000 χ^2/NDF: 6056195.0/60

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/11

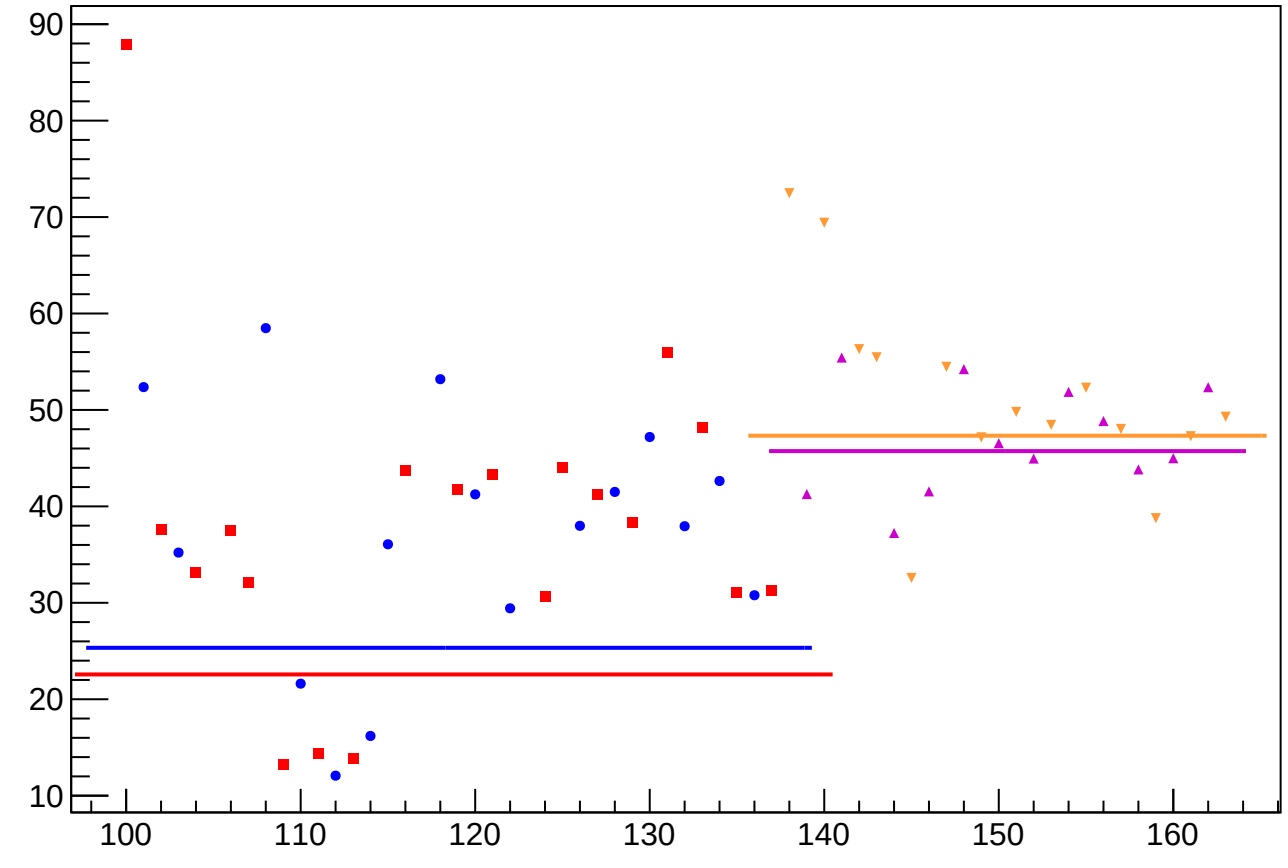
Left: 0.006+/-0.010 χ^2/NDF: 31.0/25

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.4/27

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.005+/-0.006 χ^2/NDF: 71.3/60



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.329+/-0.010 χ^2/NDF:833424.4/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.733+/-0.010 χ^2/NDF:266519.9/11

Left: 46.533+/-0.007 χ^2/NDF: 1111718.6/25

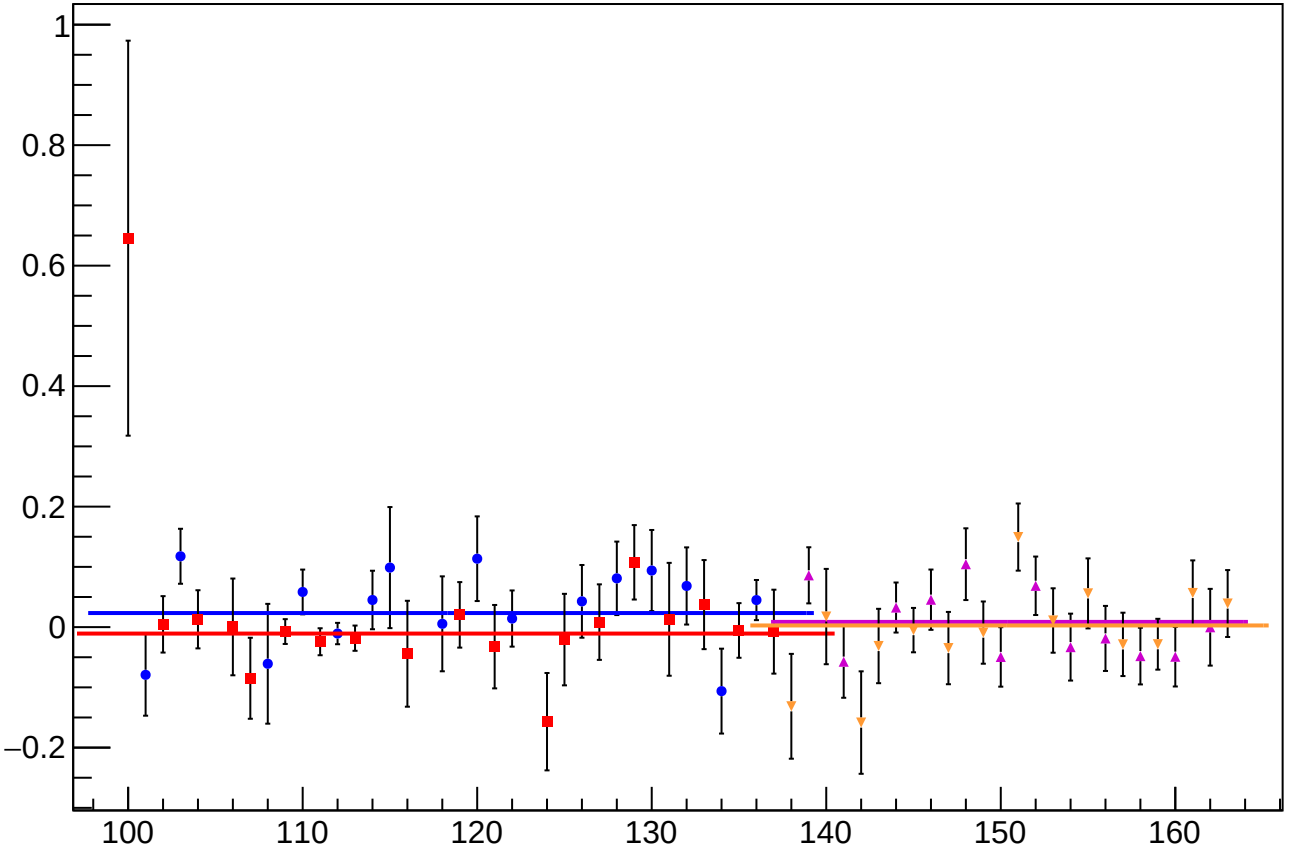
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 32.698+/-0.006 χ^2/NDF:5643952.9/27

Out: 30.204+/-0.006 χ^2/NDF:7907034.8/32

All: 31.349+/-0.004 χ^2/NDF: 13636903.0/60

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/11

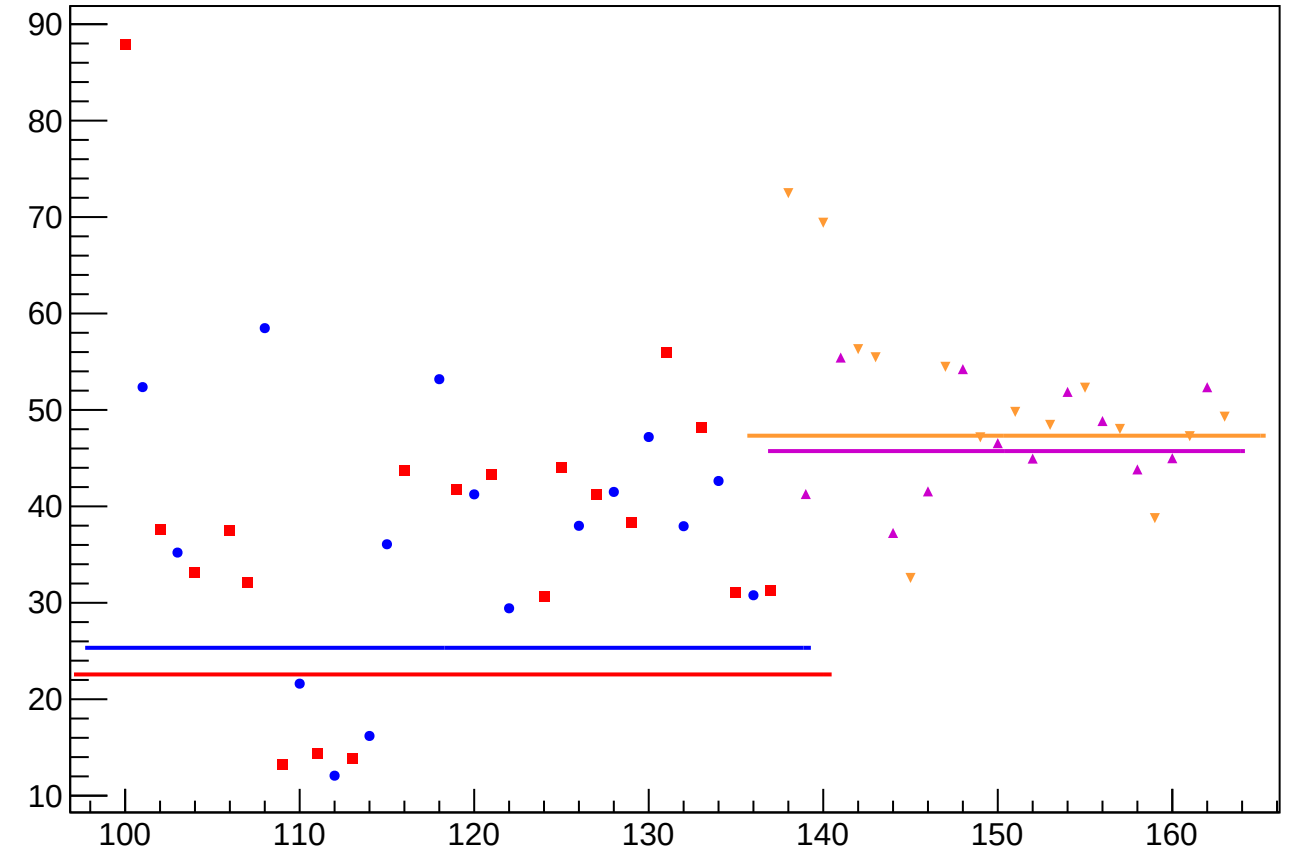
Left: 0.006+/-0.010 χ^2/NDF: 31.0/25

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.4/27

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.005+/-0.006 χ^2/NDF: 71.3/60



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 47.329+/-0.010 χ^2/NDF:833424.4/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.733+/-0.010 χ^2/NDF:266519.9/11

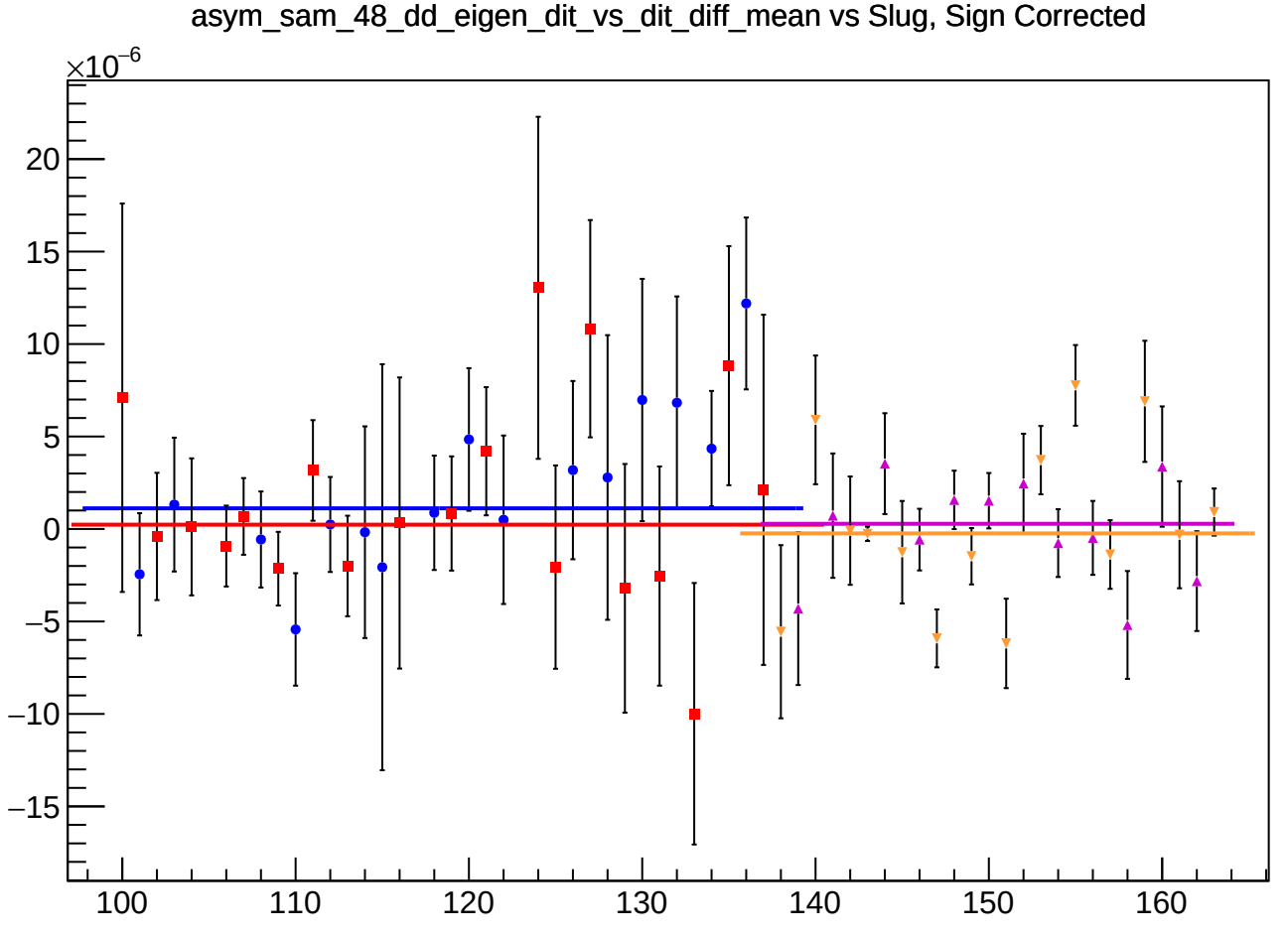
Left: 46.533+/-0.007 χ^2/NDF: 1111718.6/25

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 32.698+/-0.006 χ^2/NDF:5643952.9/27

Out: 30.204+/-0.006 χ^2/NDF:7907034.8/32

All: 31.349+/-0.004 χ^2/NDF: 13636903.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/11

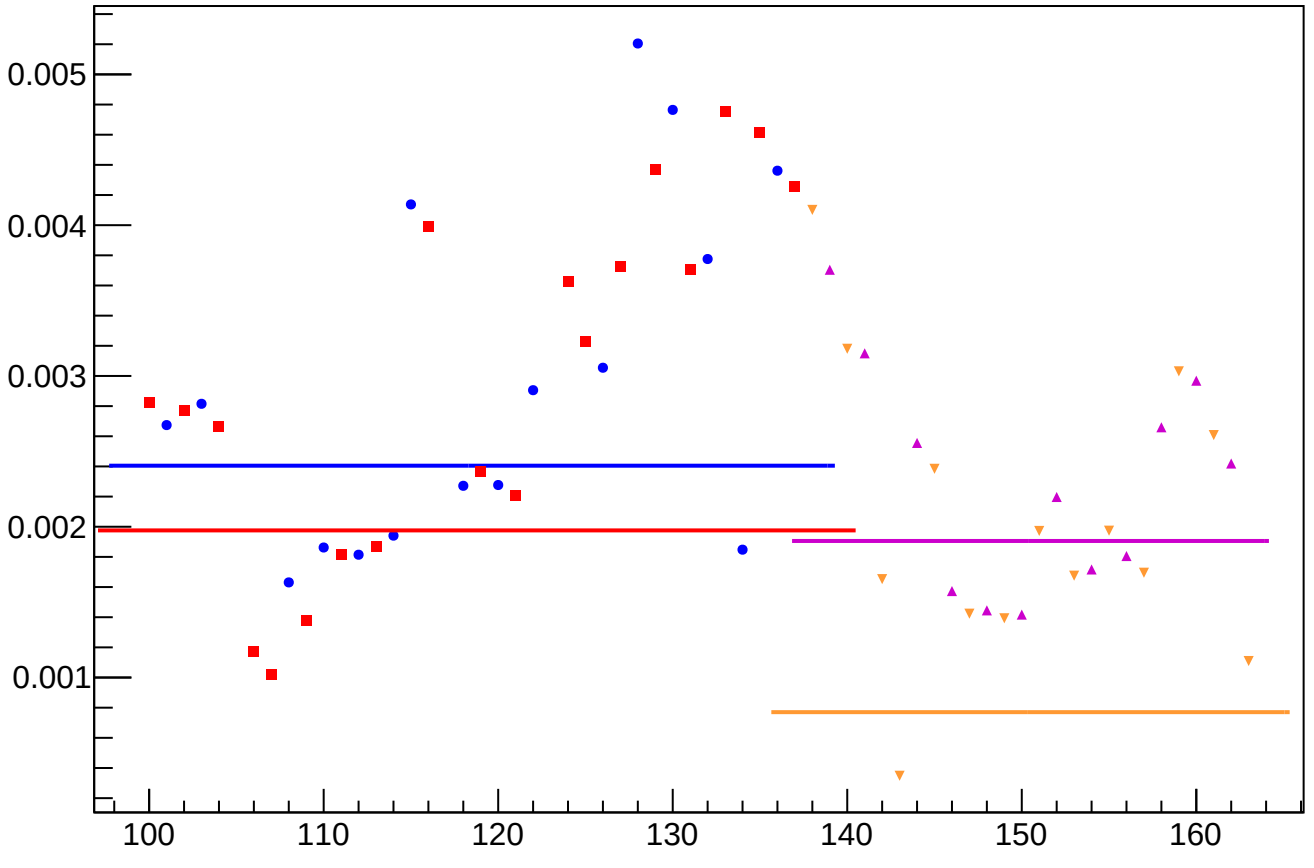
Left: -0.000+/-0.000 χ^2/NDF: 60.2/25

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:27.9/27

Out: -0.000+/-0.000 χ^2/NDF:63.9/32

All: -0.000+/-0.000 χ^2/NDF: 93.2/60



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9881703.1/13

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1698089.1/11

Left: 0.001+/-0.000 χ^2/NDF: 16742952.7/25

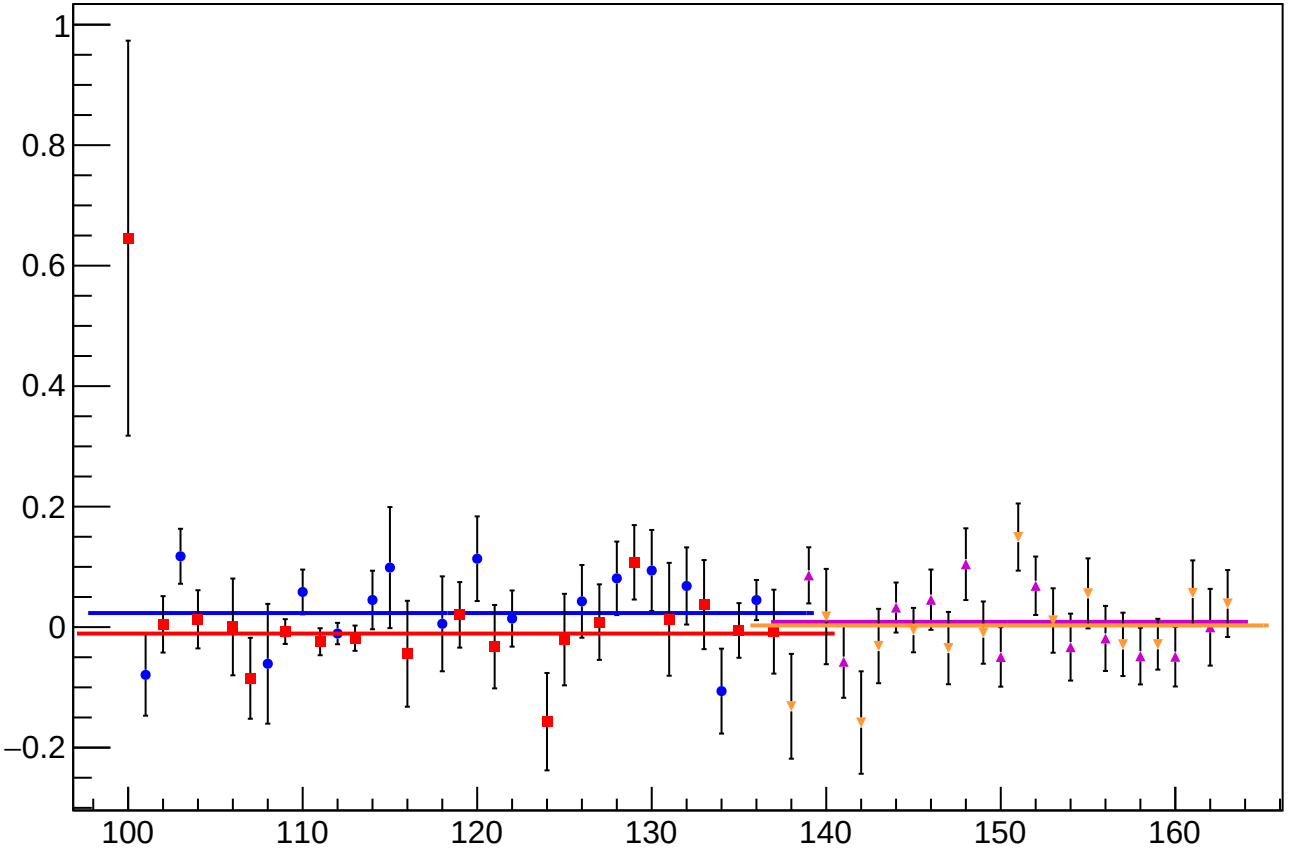
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3651264.5/27

Out: 0.001+/-0.000 χ^2/NDF:16464038.3/32

All: 0.001+/-0.000 χ^2/NDF: 27033657.2/60

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/11

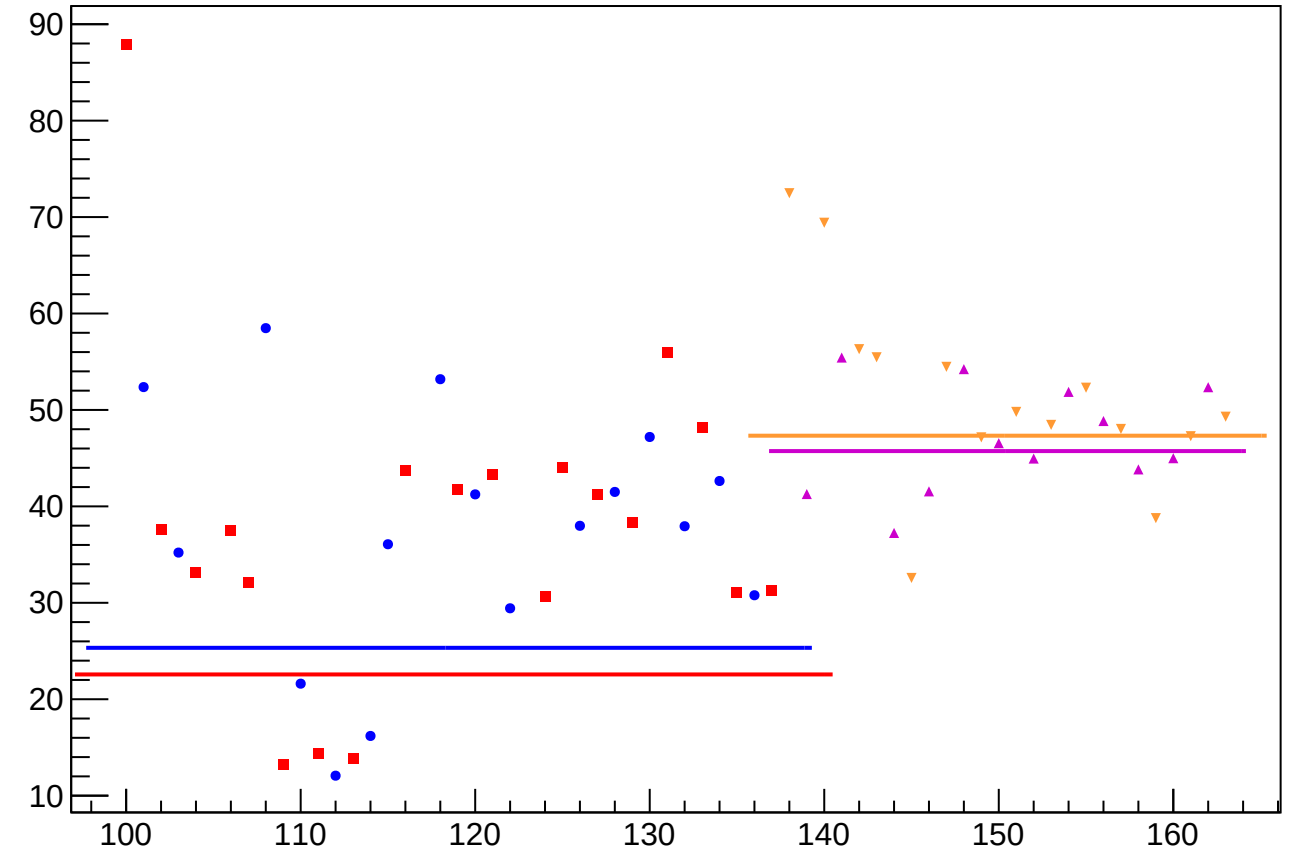
Left: 0.006+/-0.010 χ^2/NDF: 31.0/25

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.4/27

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.005+/-0.006 χ^2/NDF: 71.3/60



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 47.329+/-0.010 χ^2/NDF:833379.2/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.734+/-0.010 χ^2/NDF:266516.0/11

Left: 46.534+/-0.007 χ^2/NDF: 1111668.8/25

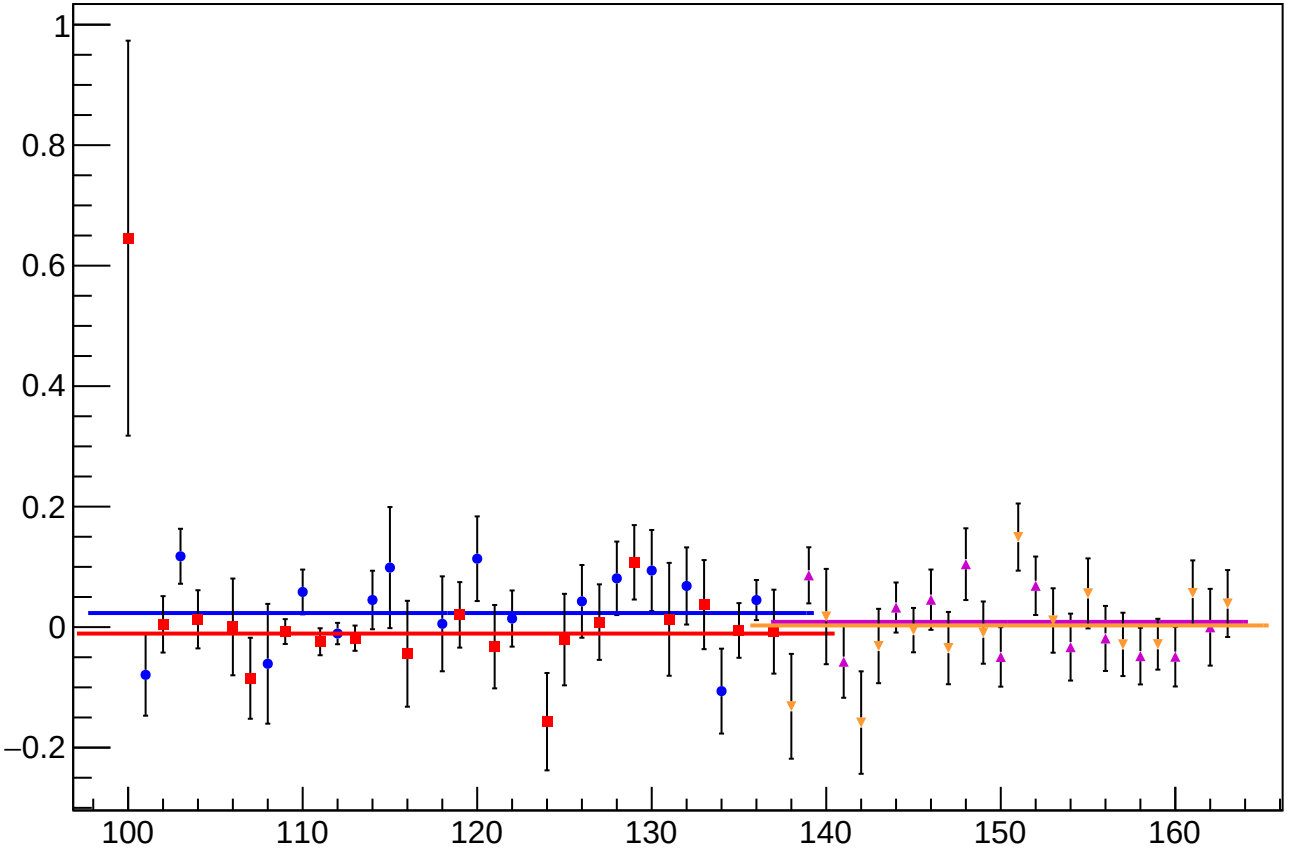
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 32.697+/-0.006 χ^2/NDF:5644834.6/27

Out: 30.204+/-0.006 χ^2/NDF:7907363.7/32

All: 31.349+/-0.004 χ^2/NDF: 13638060.7/60

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: 0.003+/-0.015 χ^2/NDF:16.9/13

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.009+/-0.015 χ^2/NDF:14.0/11

Left: 0.006+/-0.010 χ^2/NDF: 31.0/25

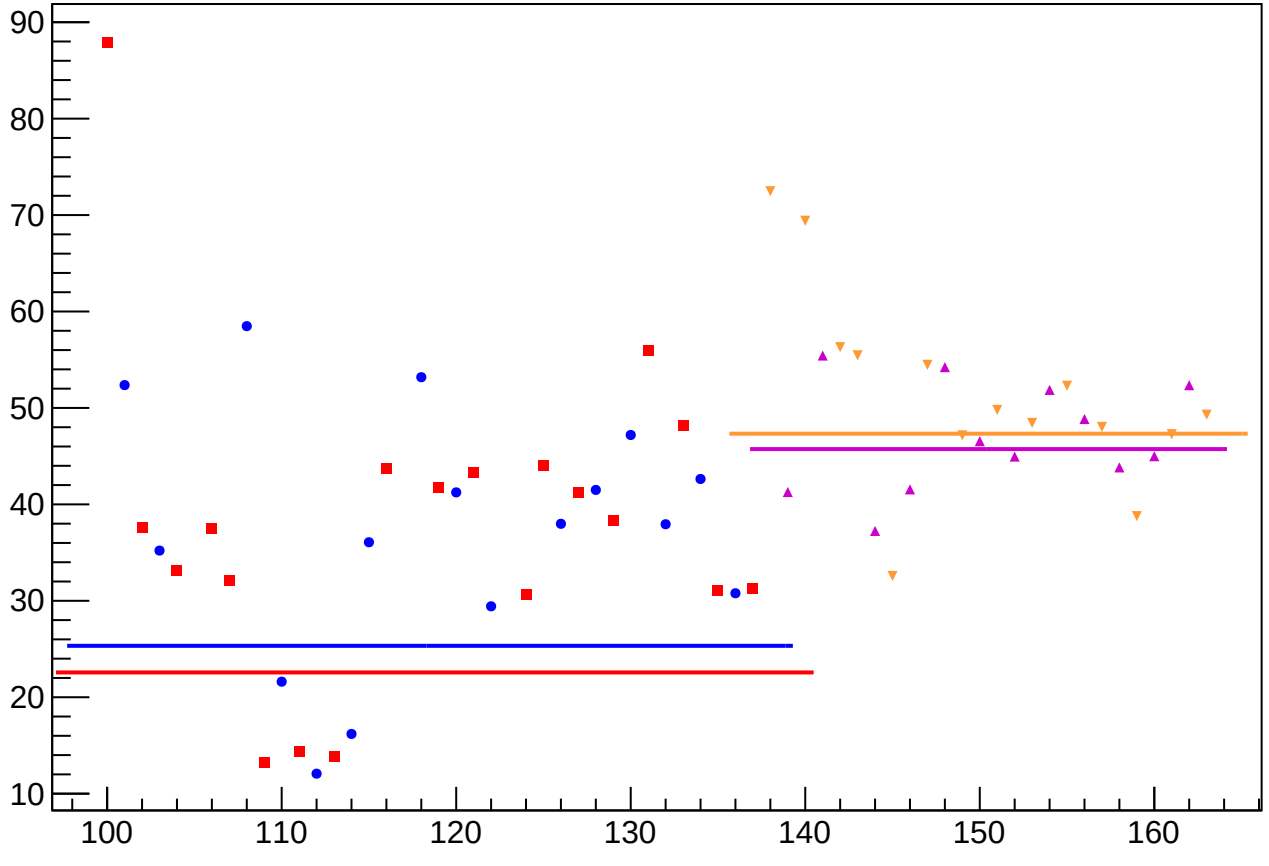
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.018+/-0.009 χ^2/NDF:35.4/27

Out: -0.007+/-0.008 χ^2/NDF:31.7/32

All: 0.005+/-0.006 χ^2/NDF: 71.3/60

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: 47.329+/-0.010 χ^2/NDF:833379.2/13

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.734+/-0.010 χ^2/NDF:266516.0/11

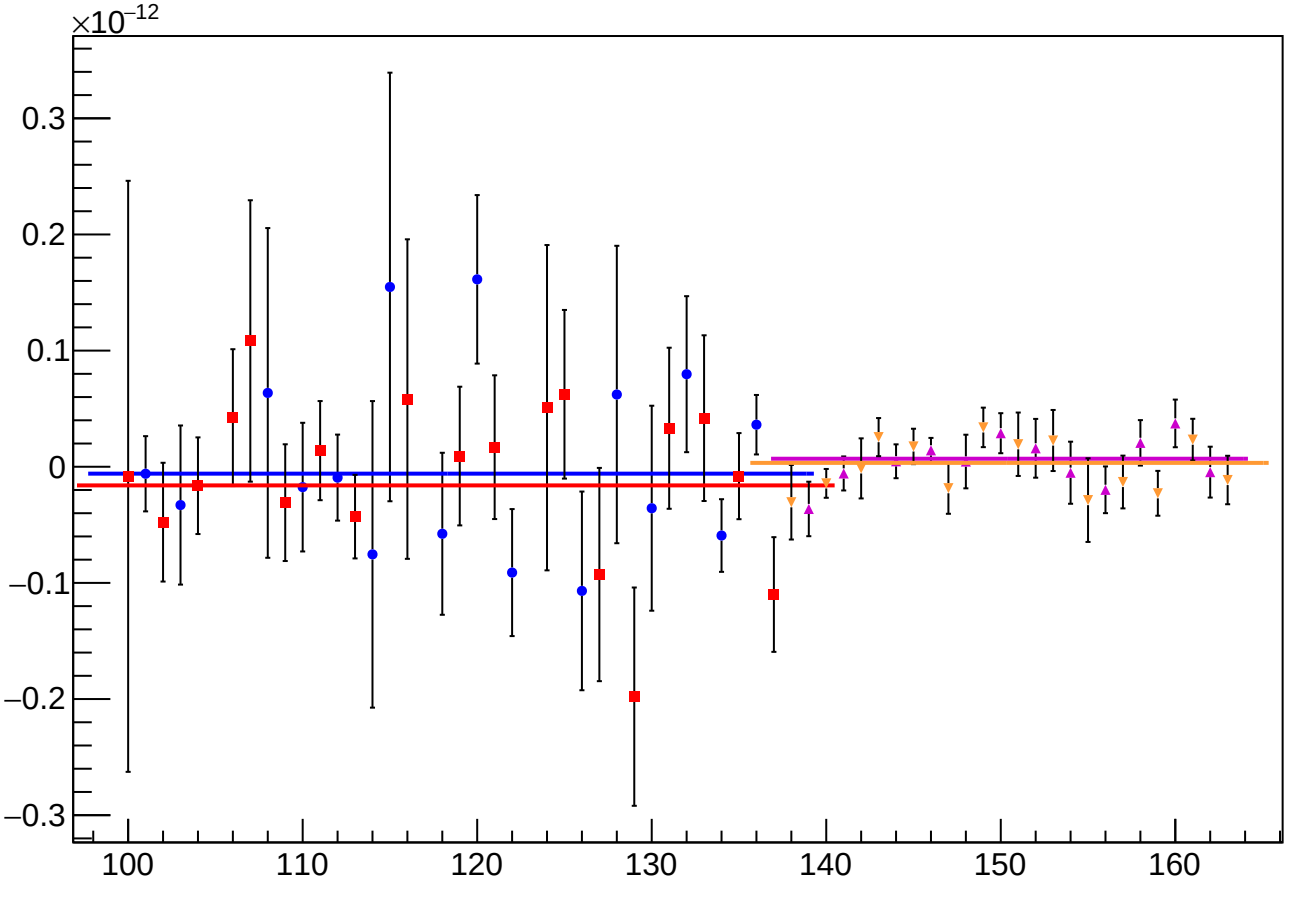
Left: 46.534+/-0.007 χ^2/NDF: 1111668.8/25

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 32.697+/-0.006 χ^2/NDF:5644834.6/27

Out: 30.204+/-0.006 χ^2/NDF:7907363.7/32

All: 31.349+/-0.004 χ^2/NDF: 13638060.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/11

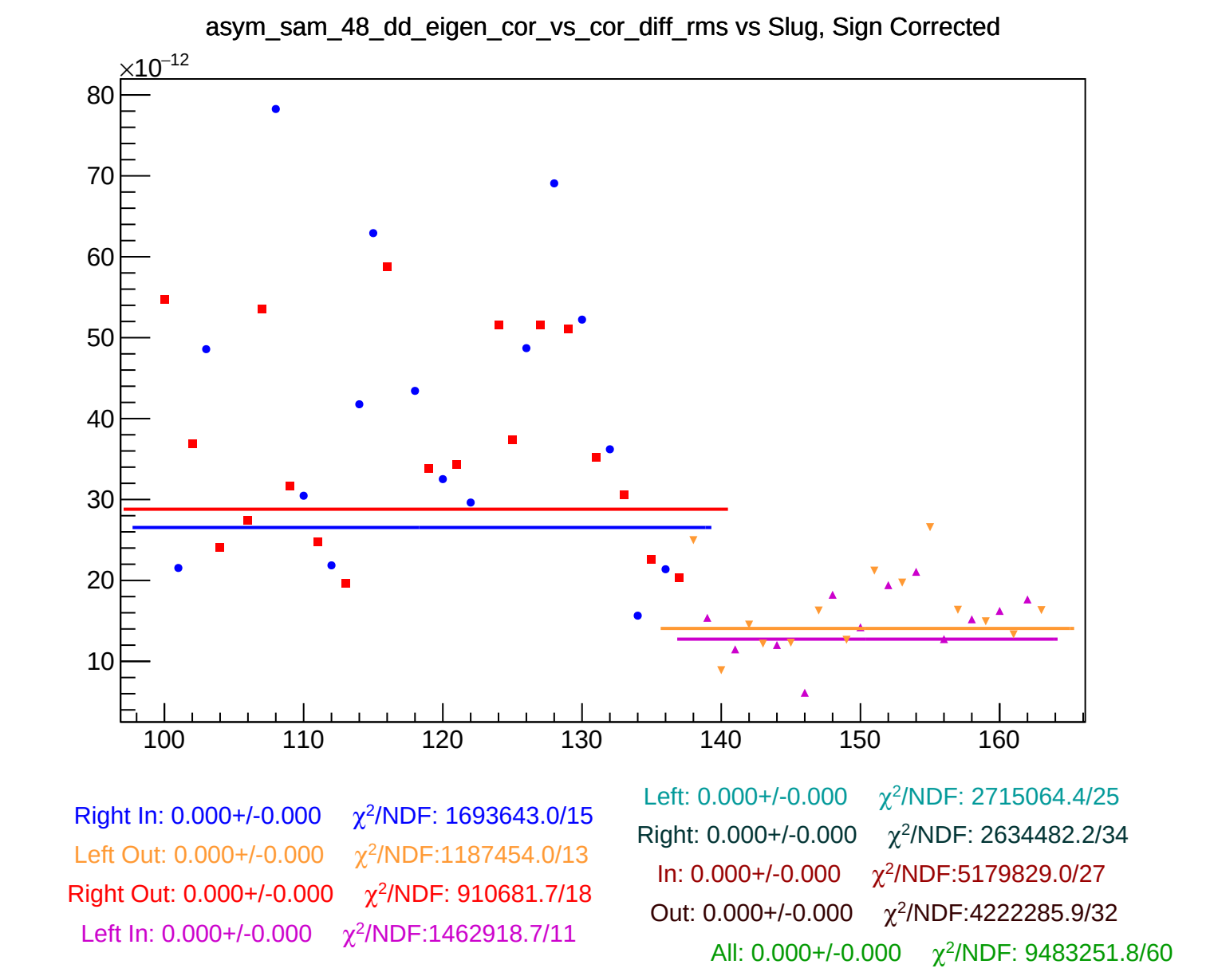
Left: 0.000+/-0.000 χ^2/NDF: 27.4/25

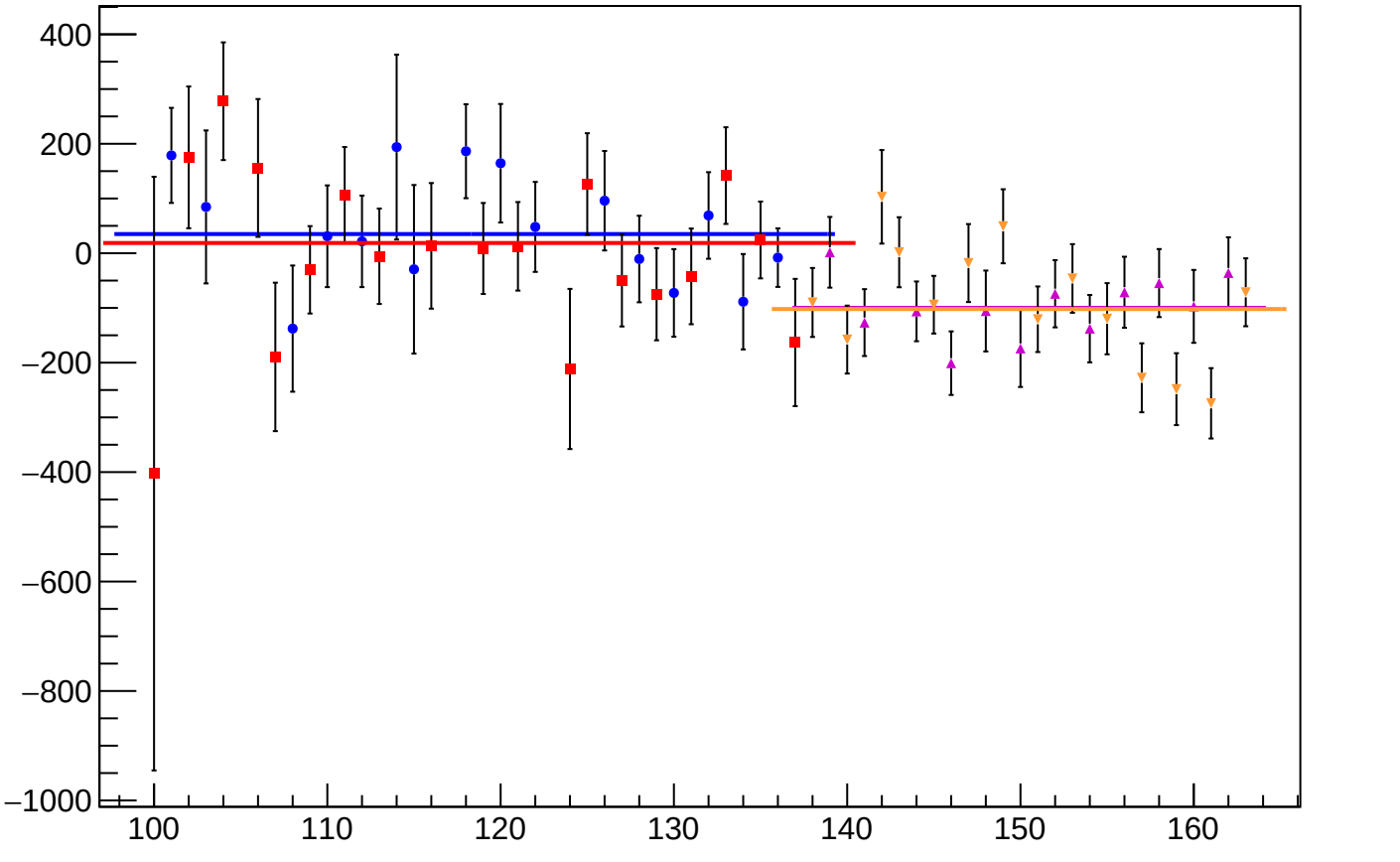
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.0/27

Out: 0.000+/-0.000 χ^2/NDF:32.7/32

All: 0.000+/-0.000 χ^2/NDF: 64.1/60


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1187454.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1462918.7/11
Left: 0.000+/-0.000 χ²/NDF: 2715064.4/25
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5179829.0/27
Out: 0.000+/-0.000 χ²/NDF:4222285.9/32
All: 0.000+/-0.000 χ²/NDF: 9483251.8/60



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.014+/-17.096 χ^2/NDF:33.0/13

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -99.888+/-18.231 χ^2/NDF:9.1/11

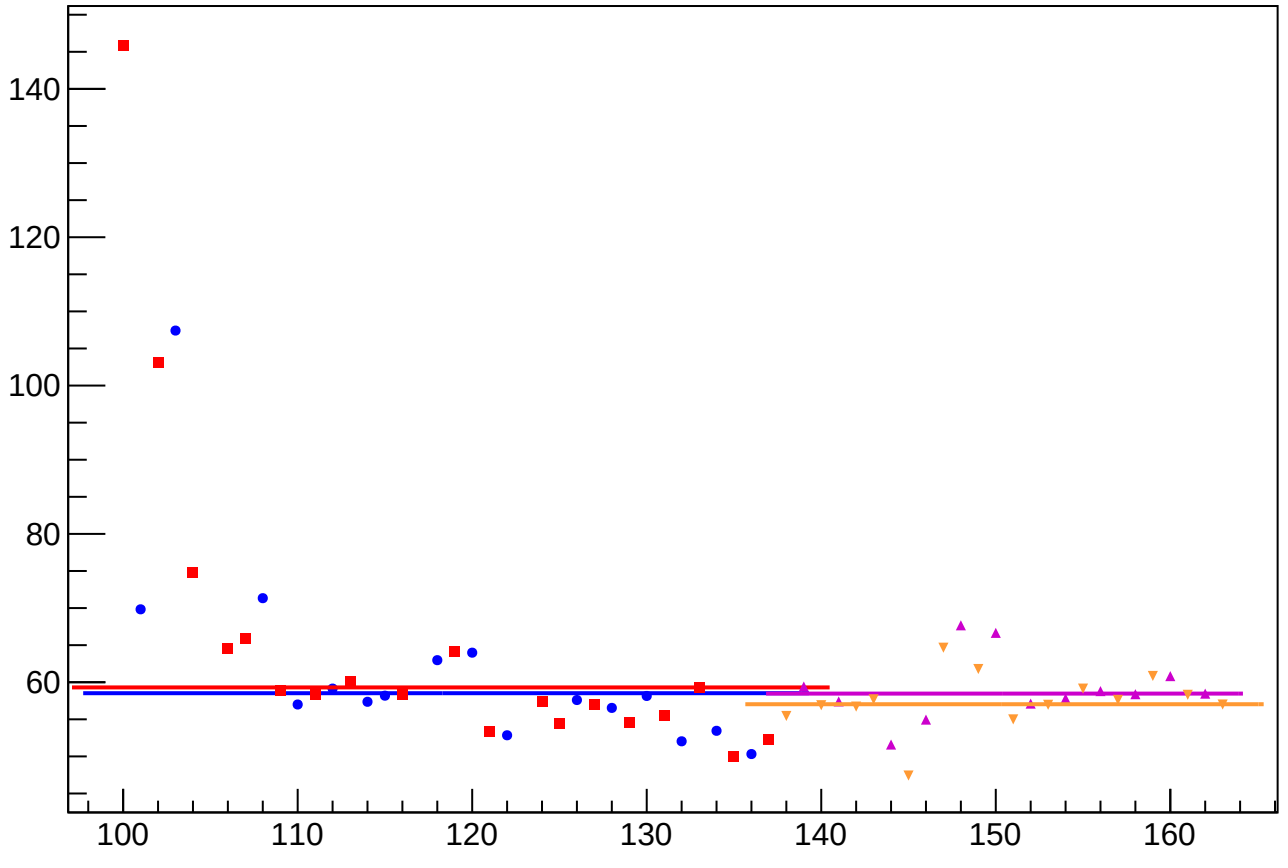
Left: -101.019+/-12.470 χ^2/NDF: 42.0/25

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -45.361+/-14.072 χ^2/NDF:47.4/27

Out: -56.919+/-13.531 χ^2/NDF:75.1/32

All: -51.367+/-9.753 χ^2/NDF: 122.8/60



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.7/11

Left: 57.706+/-0.009 χ^2/NDF: 221225.1/25

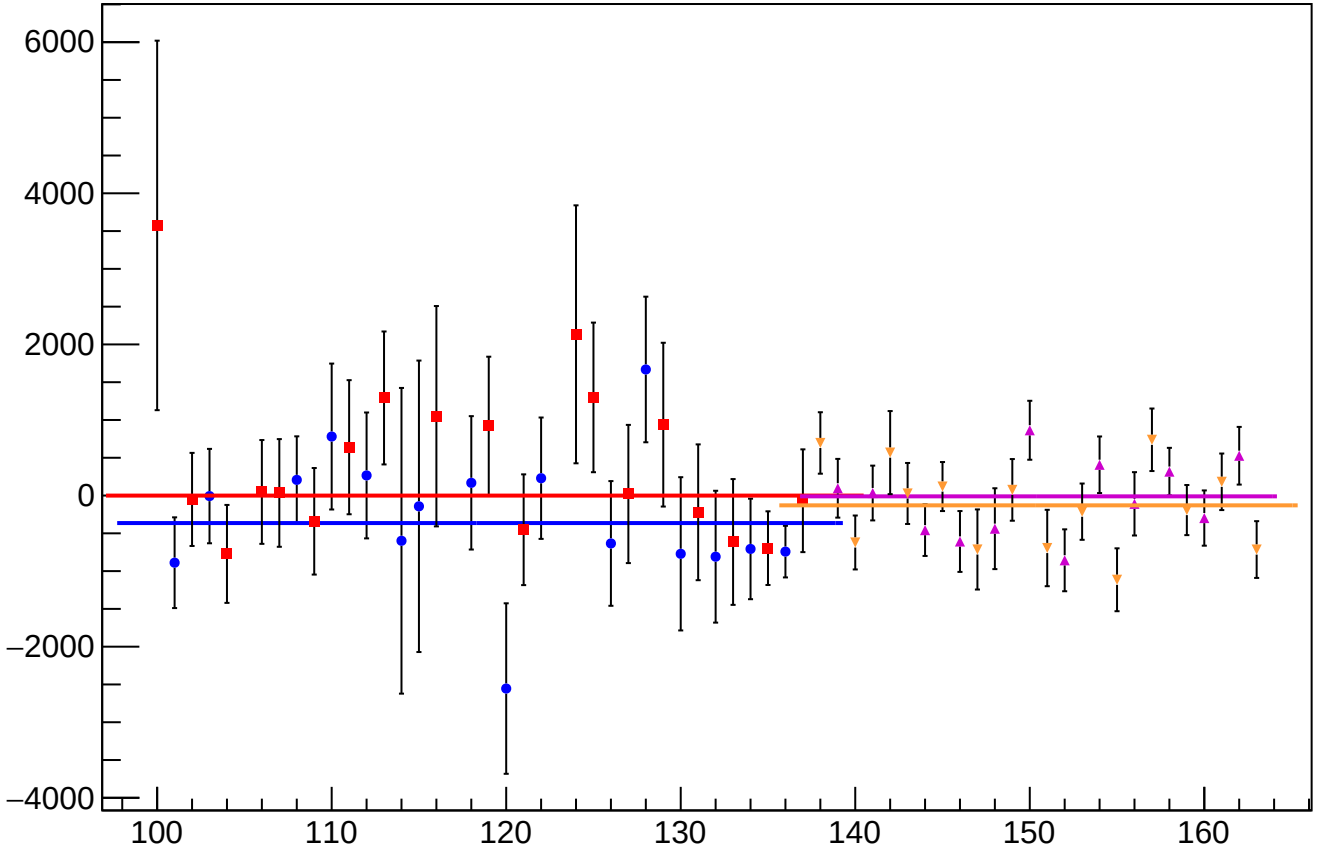
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.490+/-0.010 χ^2/NDF:494531.9/27

Out: 57.882+/-0.010 χ^2/NDF:532598.9/32

All: 58.174+/-0.007 χ^2/NDF: 1029071.5/60

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -129.661+/-106.312 χ^2/NDF:24.3/13

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -10.623+/-110.261 χ^2/NDF:18.9/11

Left: -72.312+/-76.532 χ^2/NDF: 43.8/25

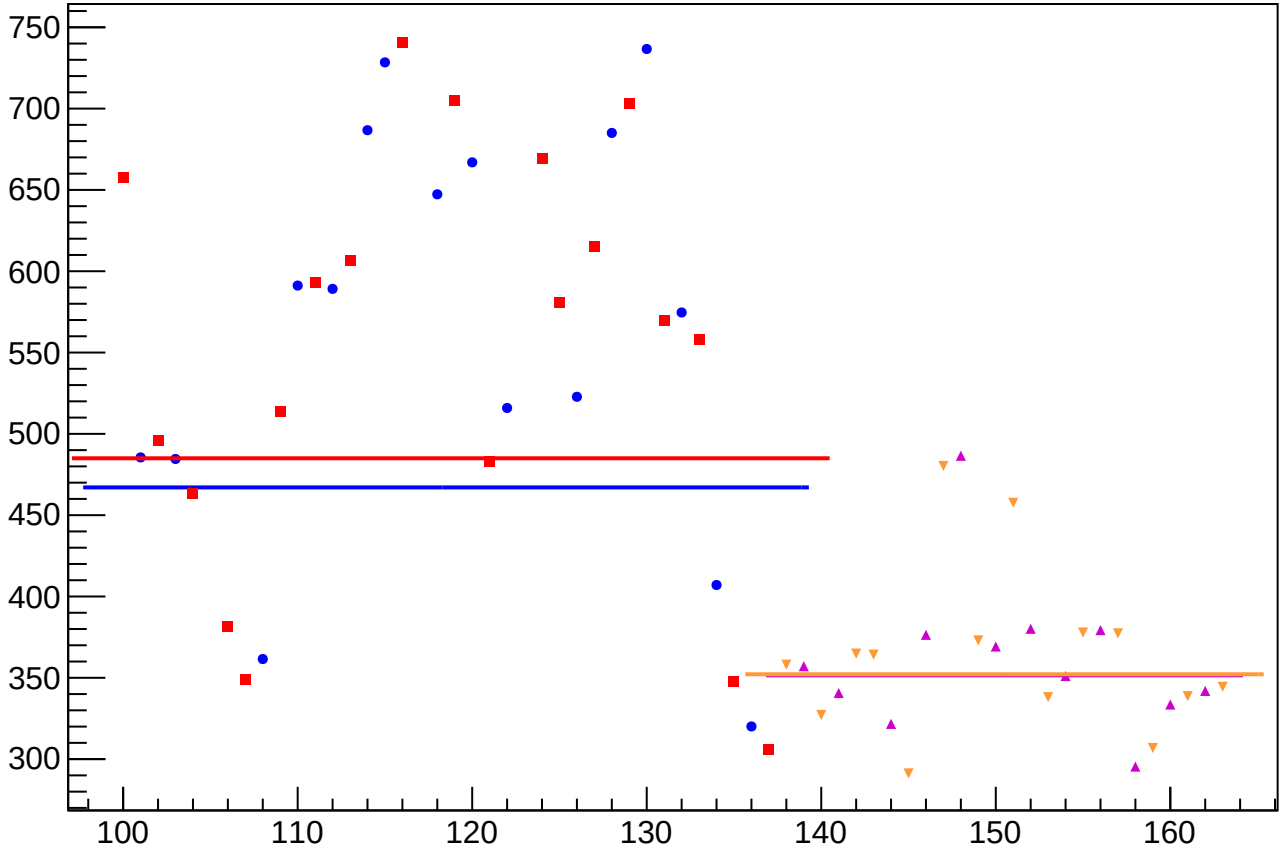
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -106.596+/-94.108 χ^2/NDF:36.9/27

Out: -97.110+/-91.936 χ^2/NDF:39.7/32

All: -101.742+/-65.763 χ^2/NDF: 76.7/60

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: 352.175+/-0.075 χ^2/NDF:351426.6/13

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 351.525+/-0.078 χ^2/NDF:244848.9/11

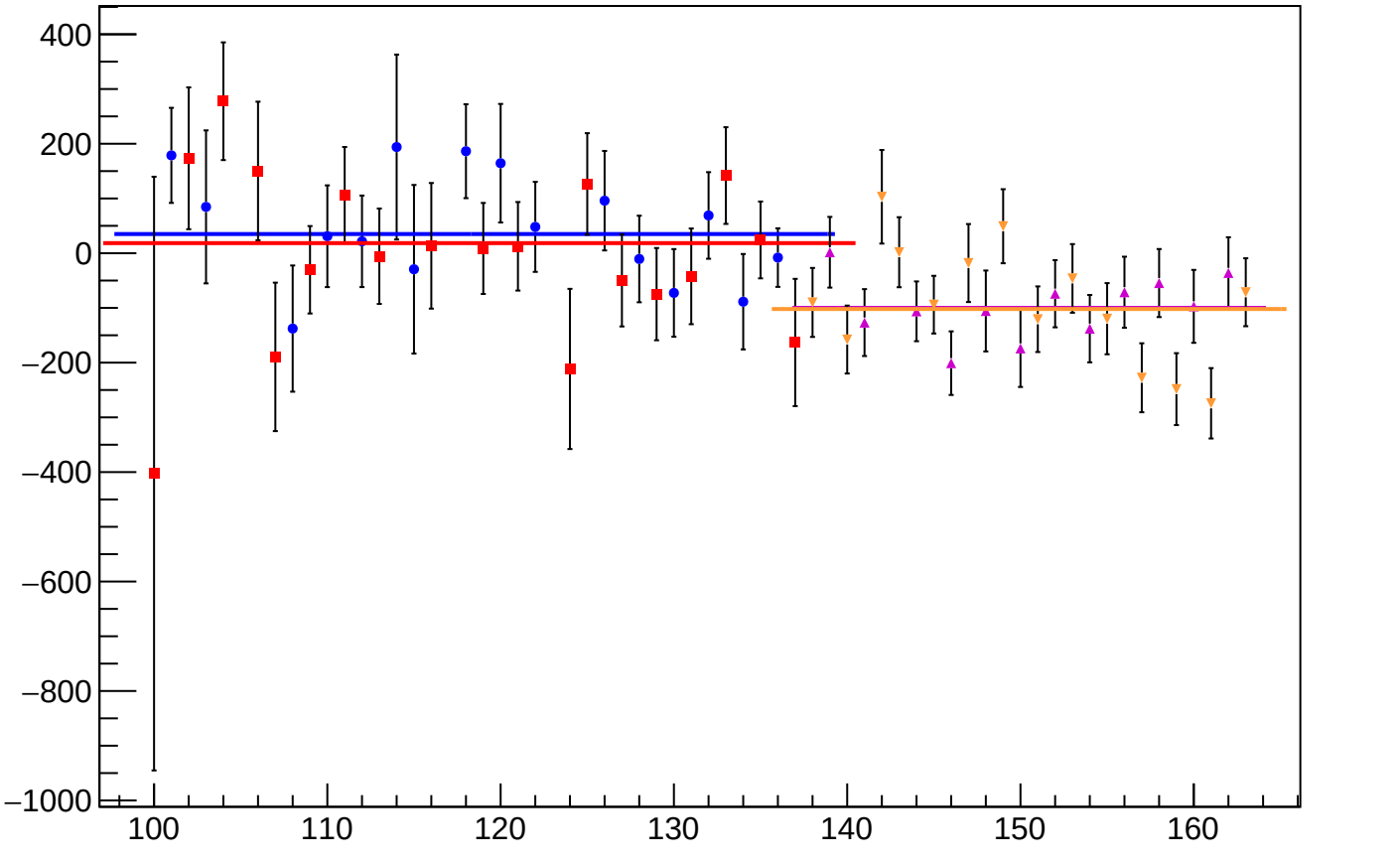
Left: 351.862+/-0.054 χ^2/NDF: 596311.5/25

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 382.898+/-0.067 χ^2/NDF:1871463.5/27

Out: 385.663+/-0.065 χ^2/NDF:2012530.0/32

All: 384.313+/-0.047 χ^2/NDF: 3884876.6/60



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -99.890+/-18.231 χ^2/NDF:9.1/11

Left: -101.019+/-12.470 χ^2/NDF: 42.0/25

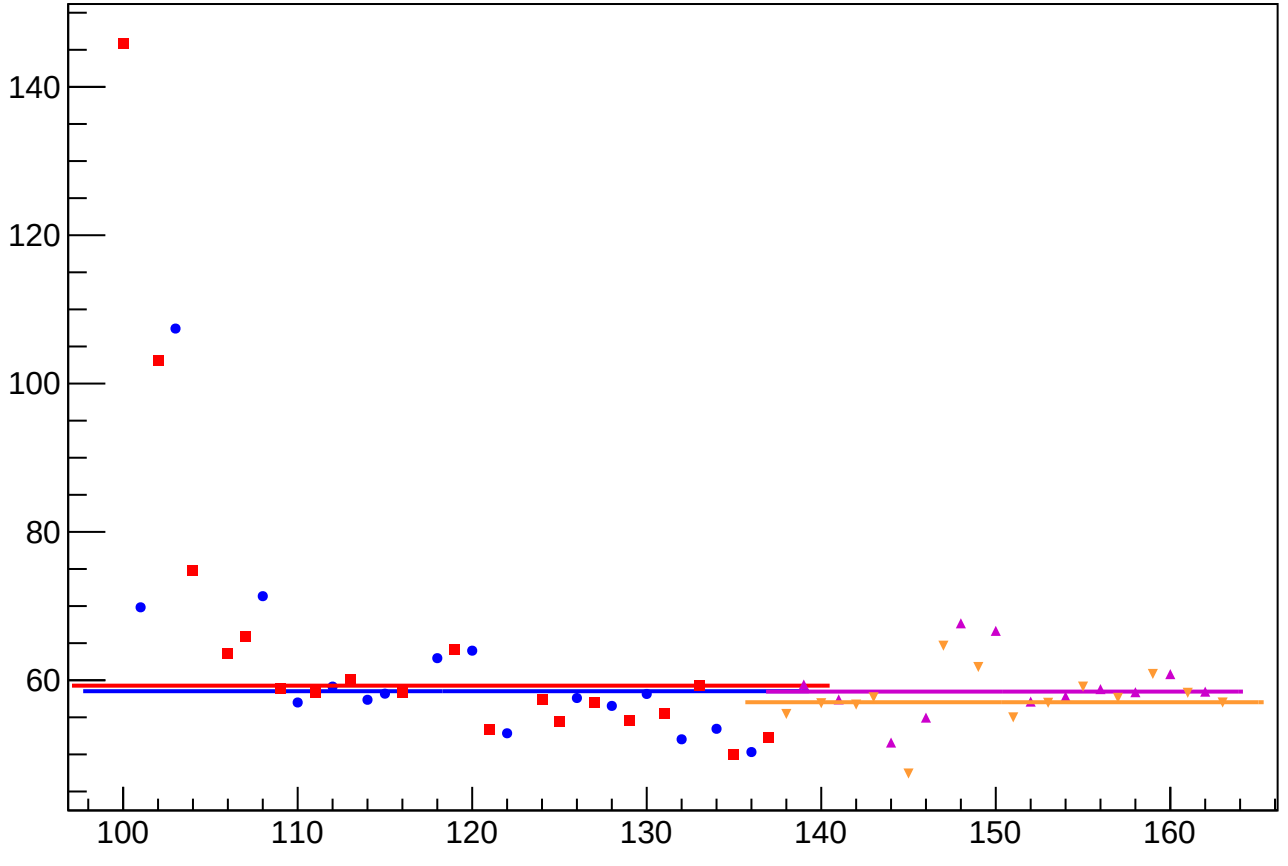
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -45.363+/-14.072 χ^2/NDF:47.4/27

Out: -57.030+/-13.532 χ^2/NDF:74.9/32

All: -51.425+/-9.754 χ^2/NDF: 122.6/60

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.8/11

Left: 57.706+/-0.009 χ^2/NDF: 221225.1/25

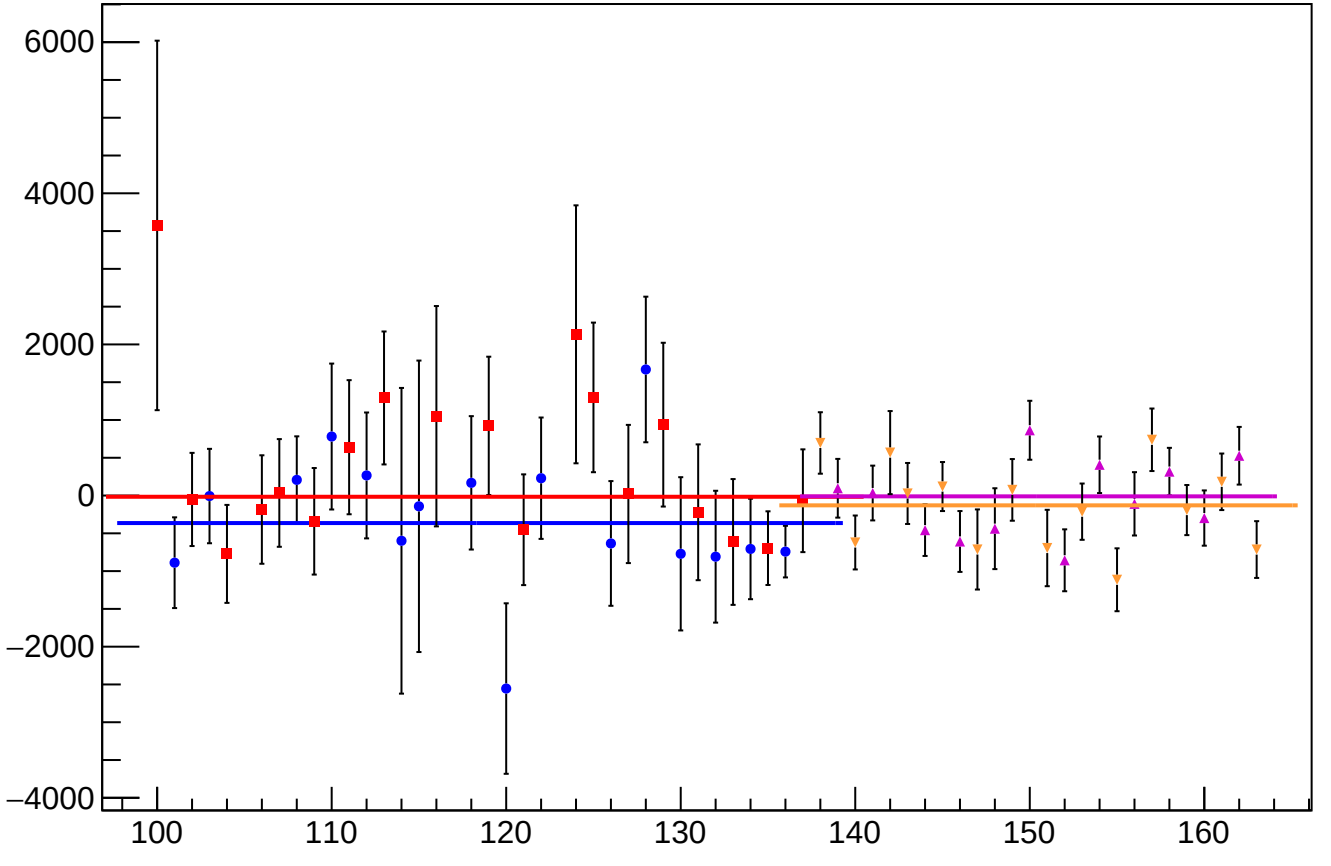
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.490+/-0.010 χ^2/NDF:494534.0/27

Out: 57.870+/-0.010 χ^2/NDF:531234.7/32

All: 58.168+/-0.007 χ^2/NDF: 1027787.1/60

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -10.624+/-110.261 χ^2/NDF:18.9/11

Left: -72.312+/-76.532 χ^2/NDF: 43.8/25

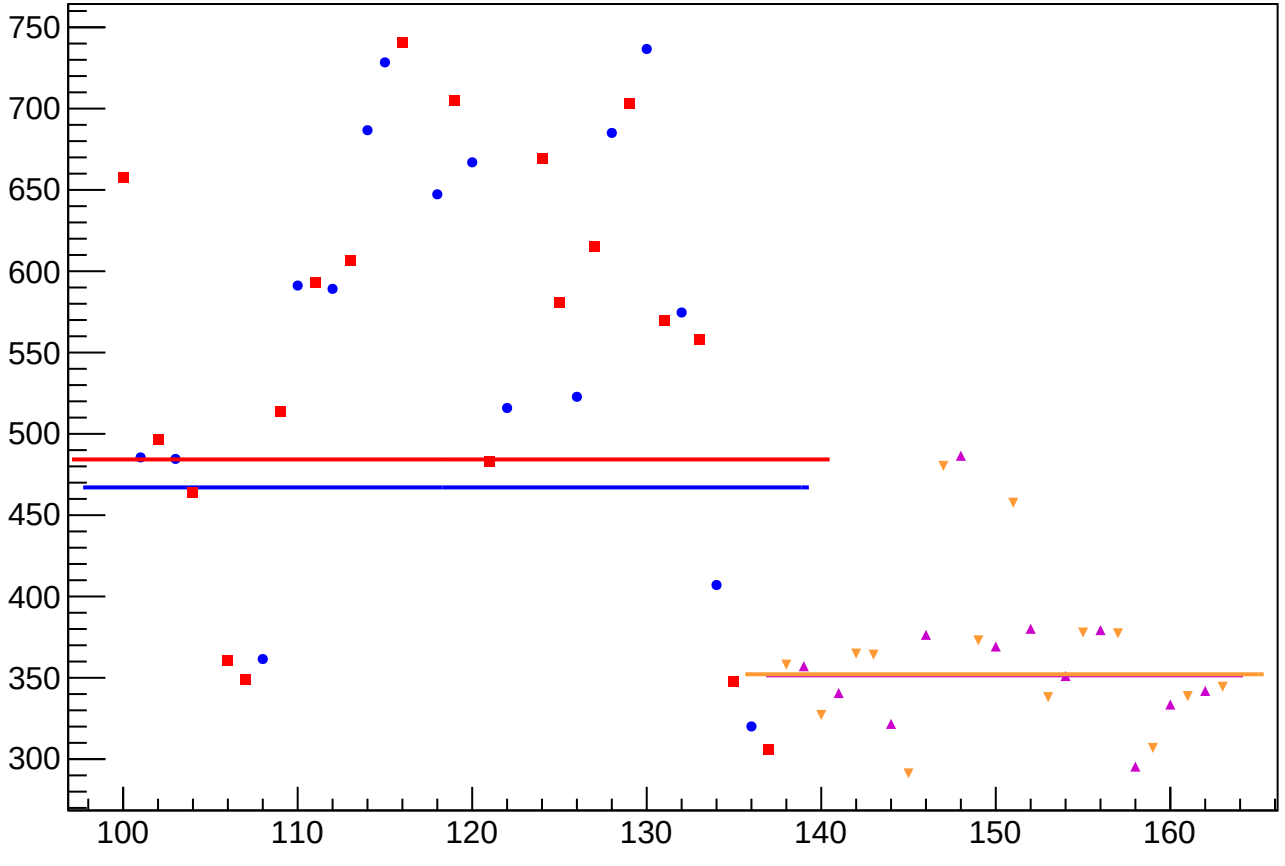
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -106.586+/-94.108 χ^2/NDF:36.9/27

Out: -101.154+/-92.008 χ^2/NDF:39.7/32

All: -103.808+/-65.789 χ^2/NDF: 76.6/60

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: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 351.525+/-0.078 χ^2/NDF:244848.9/11

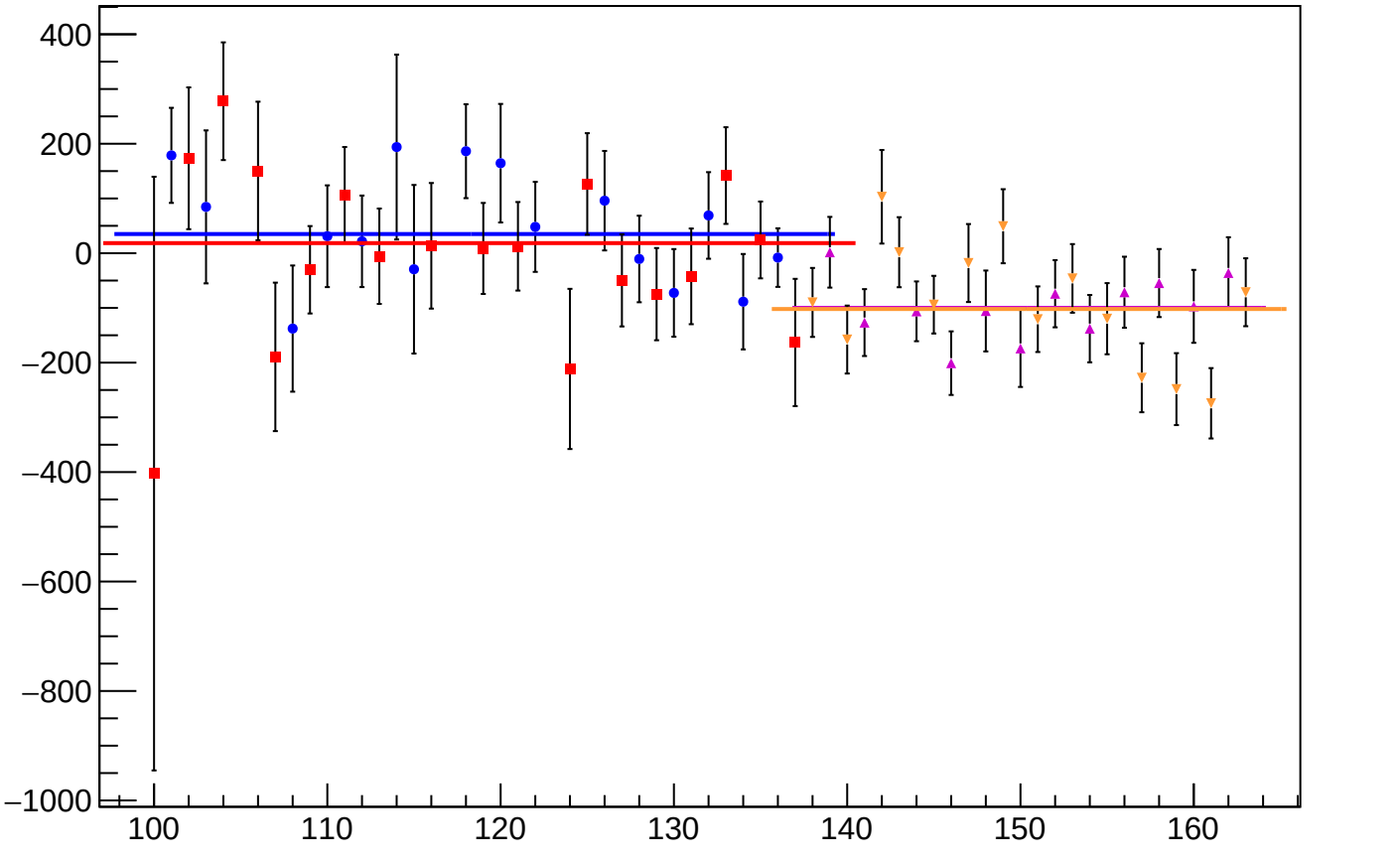
Left: 351.862+/-0.054 χ^2/NDF: 596312.3/25

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 382.899+/-0.067 χ^2/NDF:1871485.8/27

Out: 385.331+/-0.065 χ^2/NDF:2015272.7/32

All: 384.142+/-0.047 χ^2/NDF: 3887441.6/60



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -102.011+/-17.096 χ^2/NDF:33.0/13

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -99.890+/-18.231 χ^2/NDF:9.1/11

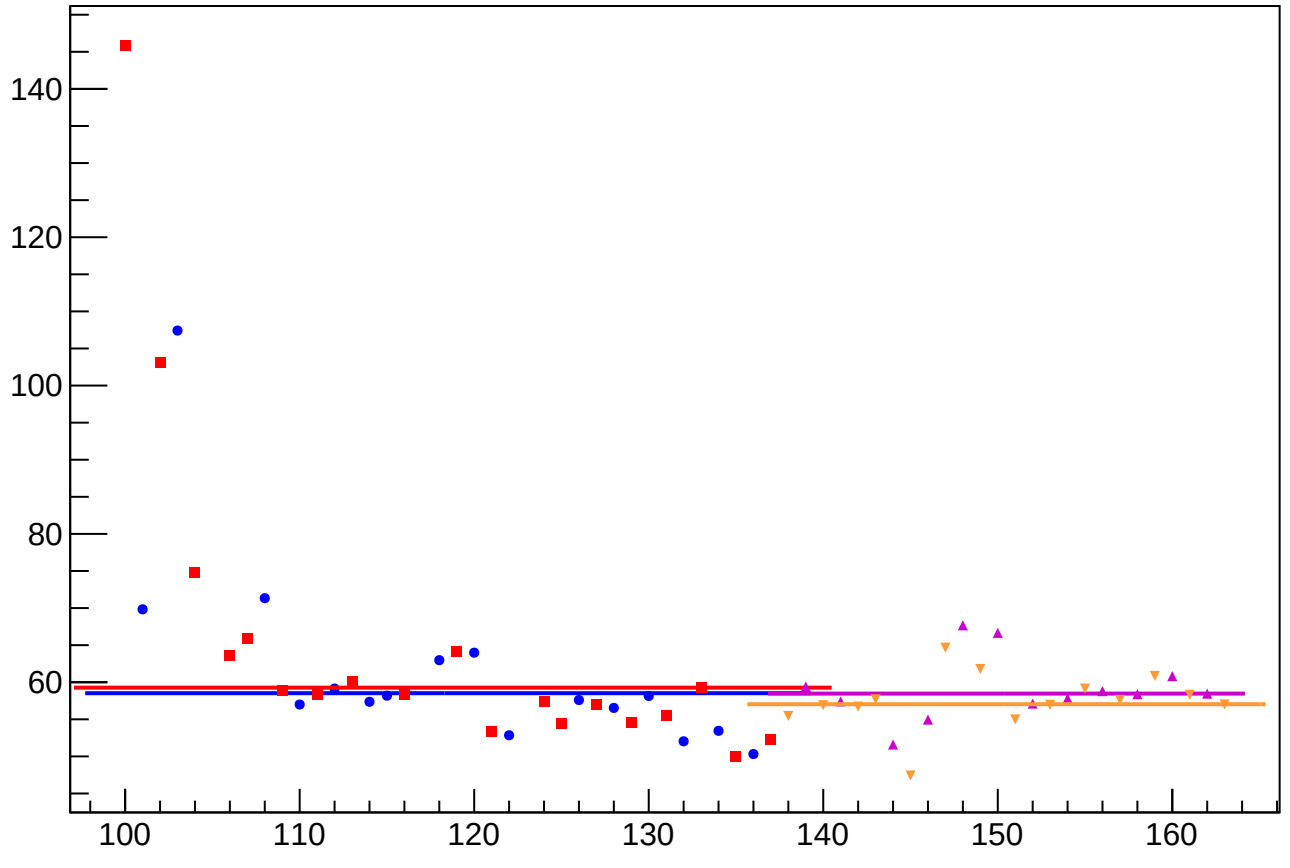
Left: -101.019+/-12.470 χ^2/NDF: 42.0/25

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -45.363+/-14.072 χ^2/NDF:47.4/27

Out: -57.030+/-13.532 χ^2/NDF:74.9/32

All: -51.425+/-9.754 χ^2/NDF: 122.6/60



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 57.036+/-0.012 χ^2/NDF:112865.5/13

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.469+/-0.013 χ^2/NDF:101782.8/11

Left: 57.706+/-0.009 χ^2/NDF: 221225.1/25

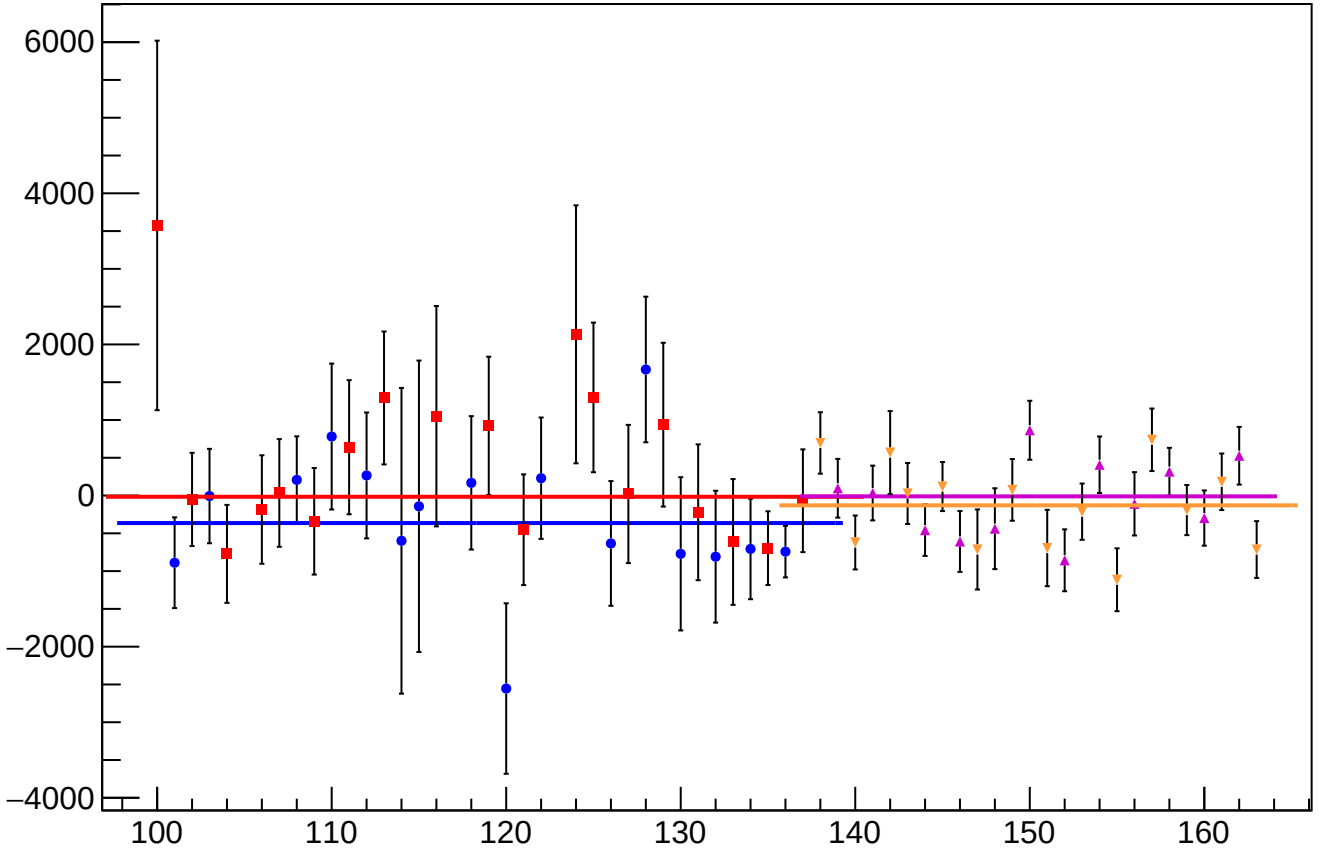
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.490+/-0.010 χ^2/NDF:494534.0/27

Out: 57.870+/-0.010 χ^2/NDF:531234.7/32

All: 58.168+/-0.007 χ^2/NDF: 1027787.1/60

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -129.660+/-106.312 χ^2/NDF:24.3/13

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -10.624+/-110.261 χ^2/NDF:18.9/11

Left: -72.312+/-76.532 χ^2/NDF: 43.8/25

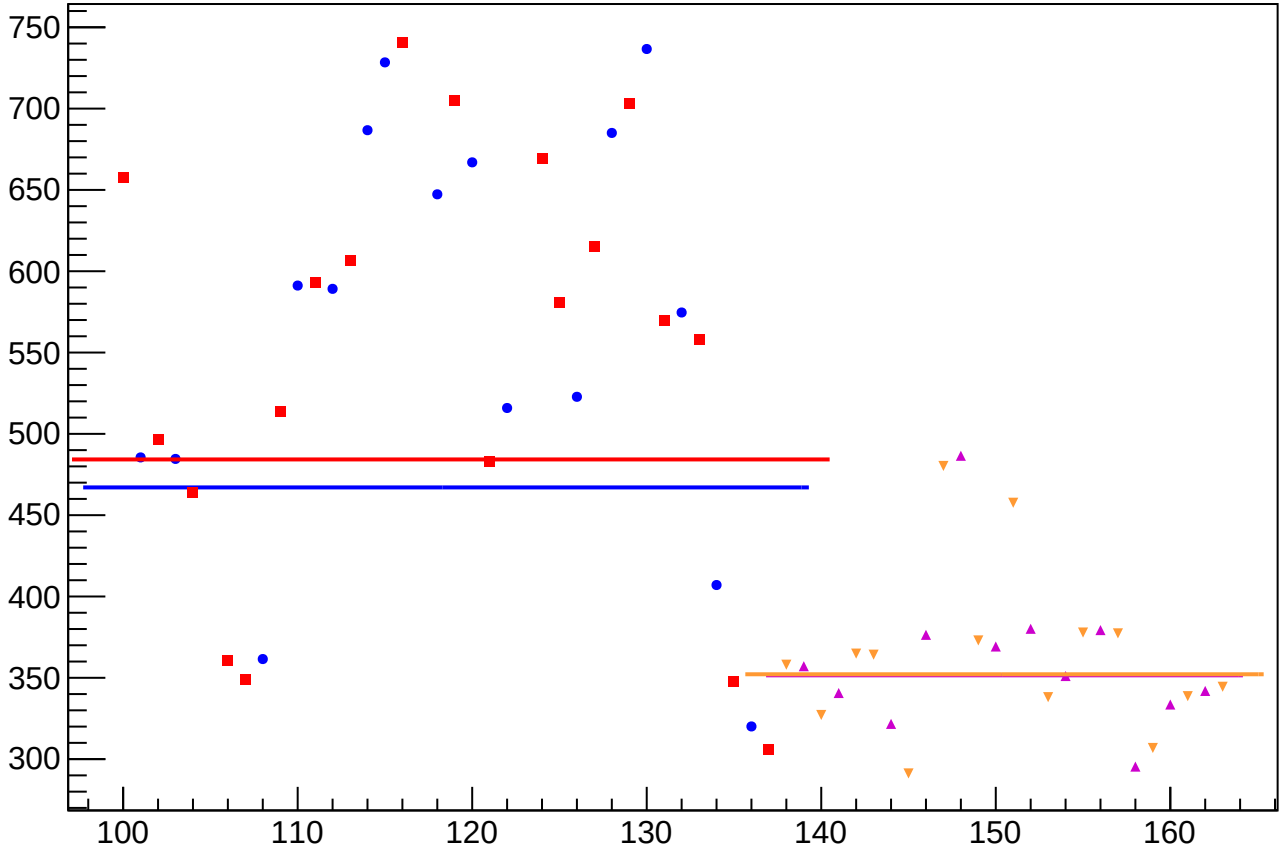
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -106.586+/-94.108 χ^2/NDF:36.9/27

Out: -101.154+/-92.008 χ^2/NDF:39.7/32

All: -103.808+/-65.789 χ^2/NDF: 76.6/60

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: 352.175+/-0.075 χ^2/NDF:351427.4/13

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 351.525+/-0.078 χ^2/NDF:244848.9/11

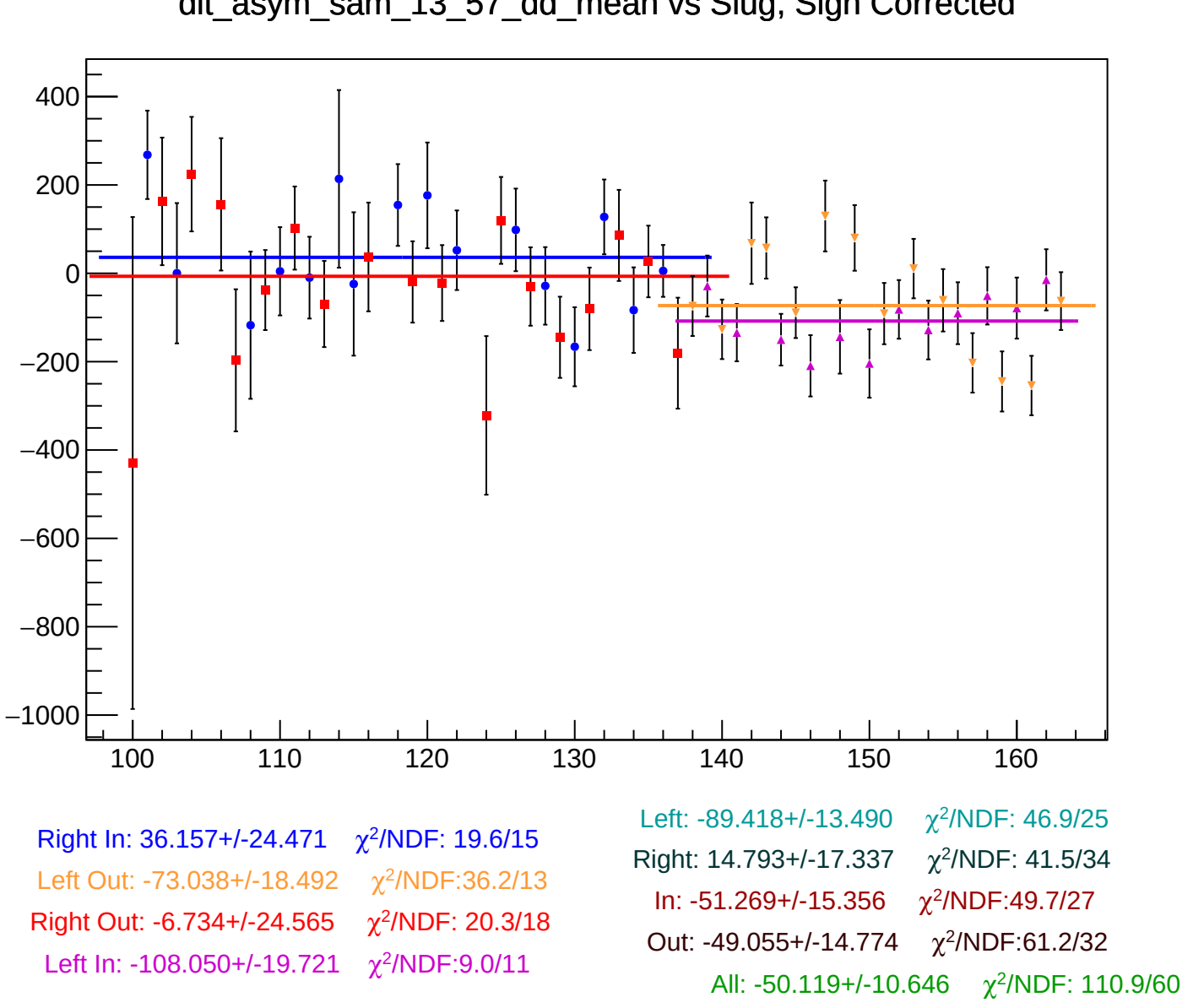
Left: 351.862+/-0.054 χ^2/NDF: 596312.3/25

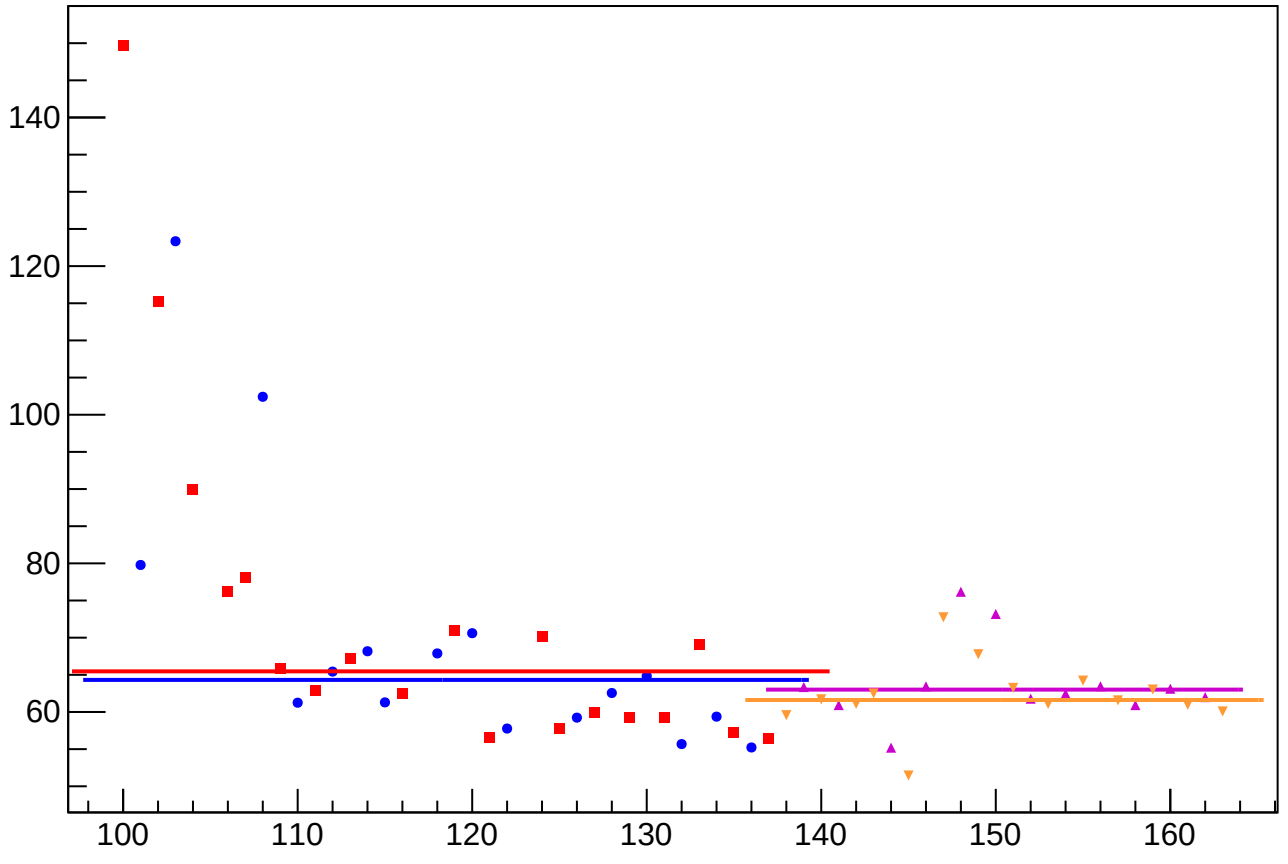
Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 382.899+/-0.067 χ^2/NDF:1871485.8/27

Out: 385.331+/-0.065 χ^2/NDF:2015272.7/32

All: 384.142+/-0.047 χ^2/NDF: 3887441.6/60


dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -73.038+/-18.492 χ²/NDF:36.2/13
Right Out: -6.734+/-24.565 χ²/NDF: 20.3/18
Left In: -108.050+/-19.721 χ²/NDF:9.0/11
Left: -89.418+/-13.490 χ²/NDF: 46.9/25
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -51.269+/-15.356 χ²/NDF:49.7/27
Out: -49.055+/-14.774 χ²/NDF:61.2/32
All: -50.119+/-10.646 χ²/NDF: 110.9/60



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.614+/-0.013 χ^2/NDF:123169.2/13

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.009+/-0.014 χ^2/NDF:125872.3/11

Left: 62.266+/-0.010 χ^2/NDF: 254365.2/25

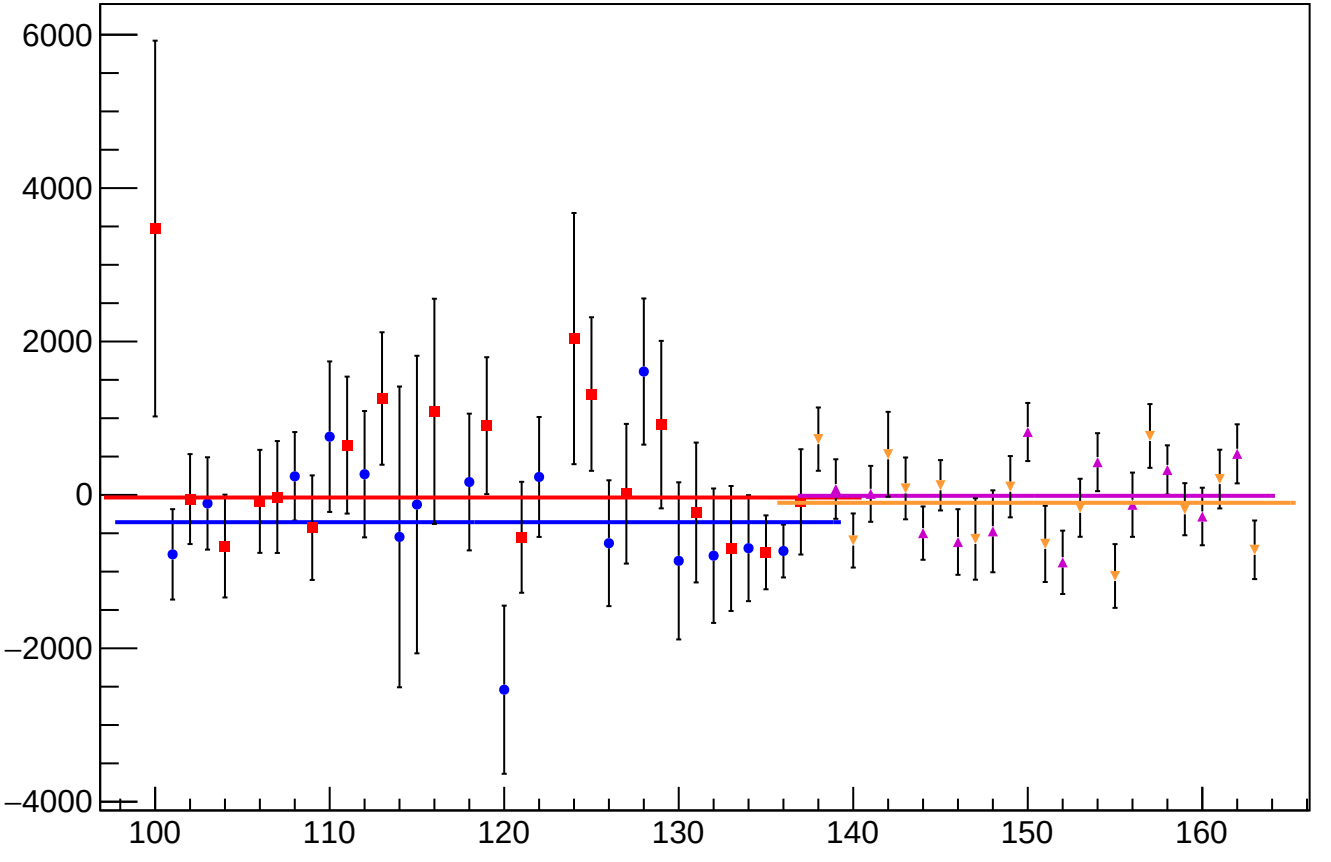
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.523+/-0.011 χ^2/NDF:661400.3/27

Out: 63.007+/-0.010 χ^2/NDF:636926.6/32

All: 63.255+/-0.008 χ^2/NDF: 1299501.2/60

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -11.582+/-111.470 χ^2/NDF:19.0/11

Left: -59.073+/-77.179 χ^2/NDF: 42.6/25

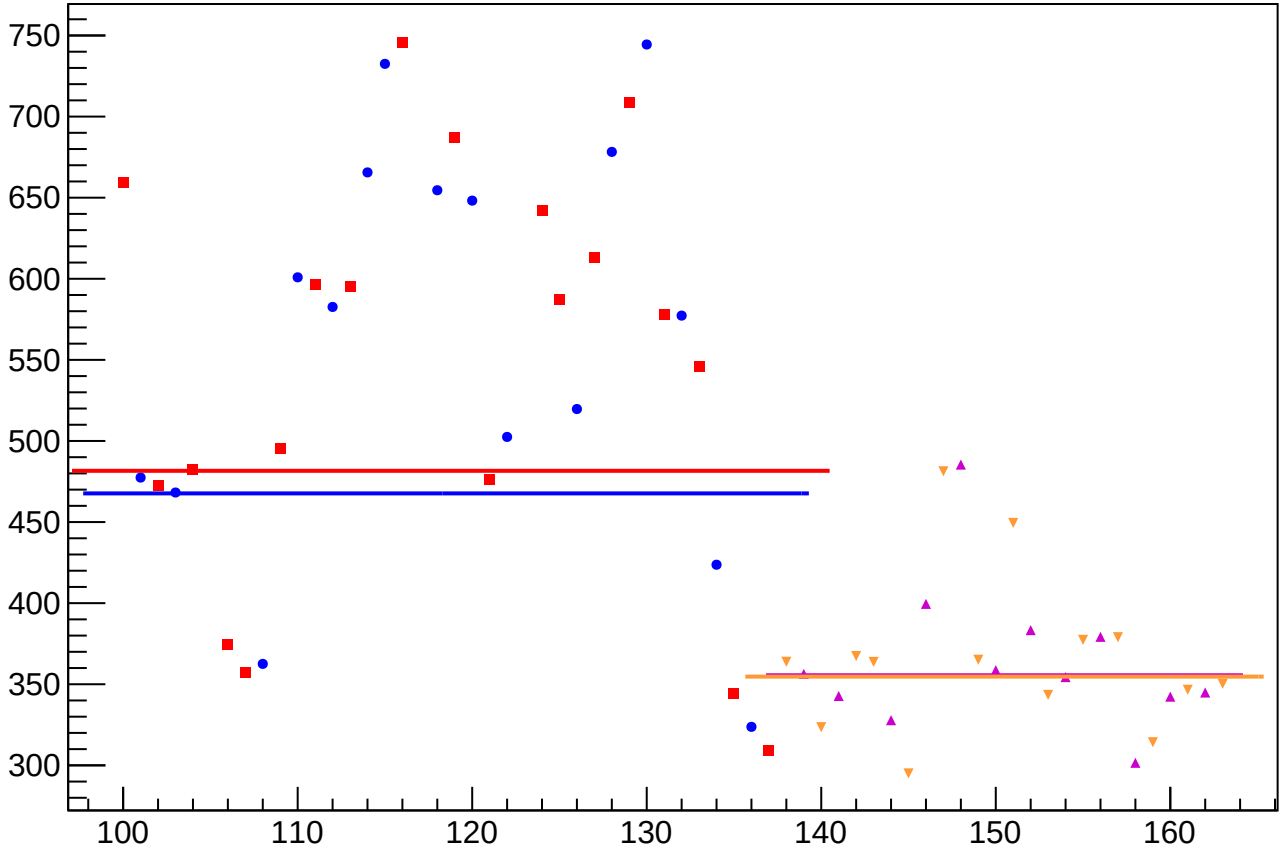
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -106.668+/-94.818 χ^2/NDF:36.5/27

Out: -85.019+/-92.160 χ^2/NDF:38.7/32

All: -95.536+/-66.087 χ^2/NDF: 75.2/60

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: 354.705+/-0.076 χ^2/NDF:316462.2/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 355.550+/-0.079 χ^2/NDF:230665.7/11

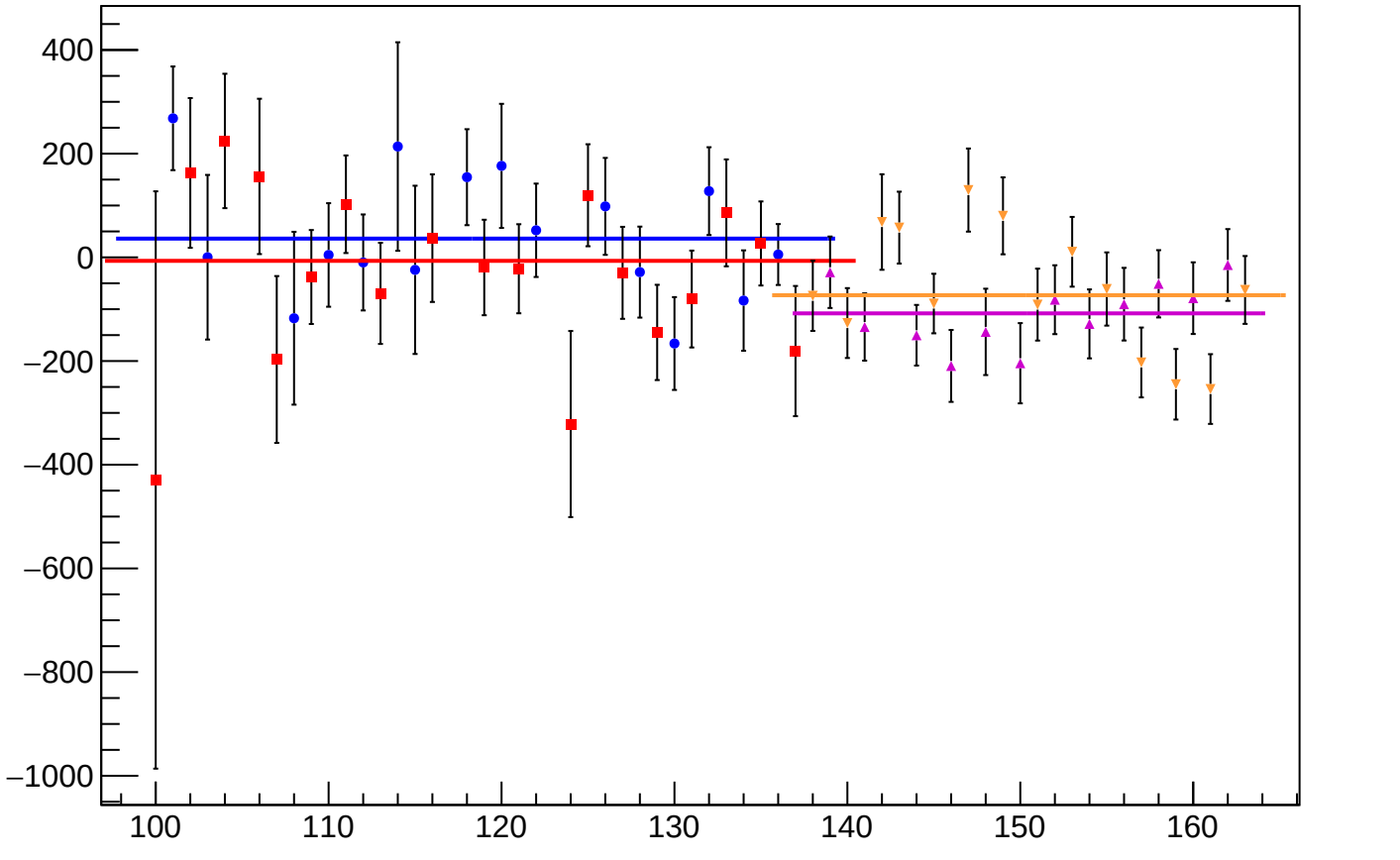
Left: 355.110+/-0.055 χ^2/NDF: 547187.6/25

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 386.547+/-0.067 χ^2/NDF:1776032.6/27

Out: 387.400+/-0.065 χ^2/NDF:1895977.1/32

All: 386.986+/-0.047 χ^2/NDF: 3672092.9/60



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -73.037+/-18.492 χ^2/NDF:36.2/13

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -108.049+/-19.721 χ^2/NDF:9.0/11

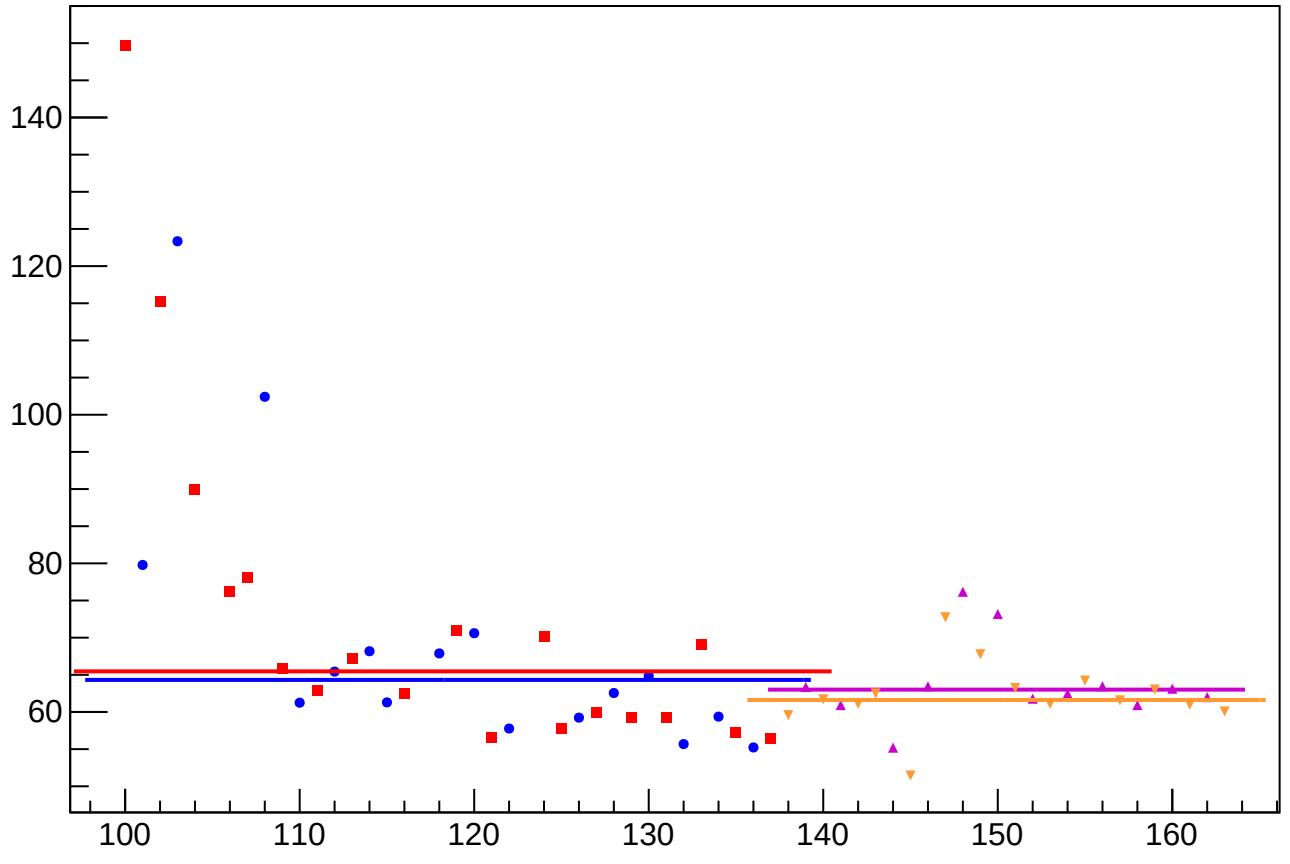
Left: -89.418+/-13.490 χ^2/NDF: 46.9/25

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -51.269+/-15.356 χ^2/NDF:49.7/27

Out: -49.055+/-14.774 χ^2/NDF:61.2/32

All: -50.119+/-10.646 χ^2/NDF: 110.9/60



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.614+/-0.013 χ^2/NDF:123172.6/13

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.009+/-0.014 χ^2/NDF:125875.2/11

Left: 62.266+/-0.010 χ^2/NDF: 254371.4/25

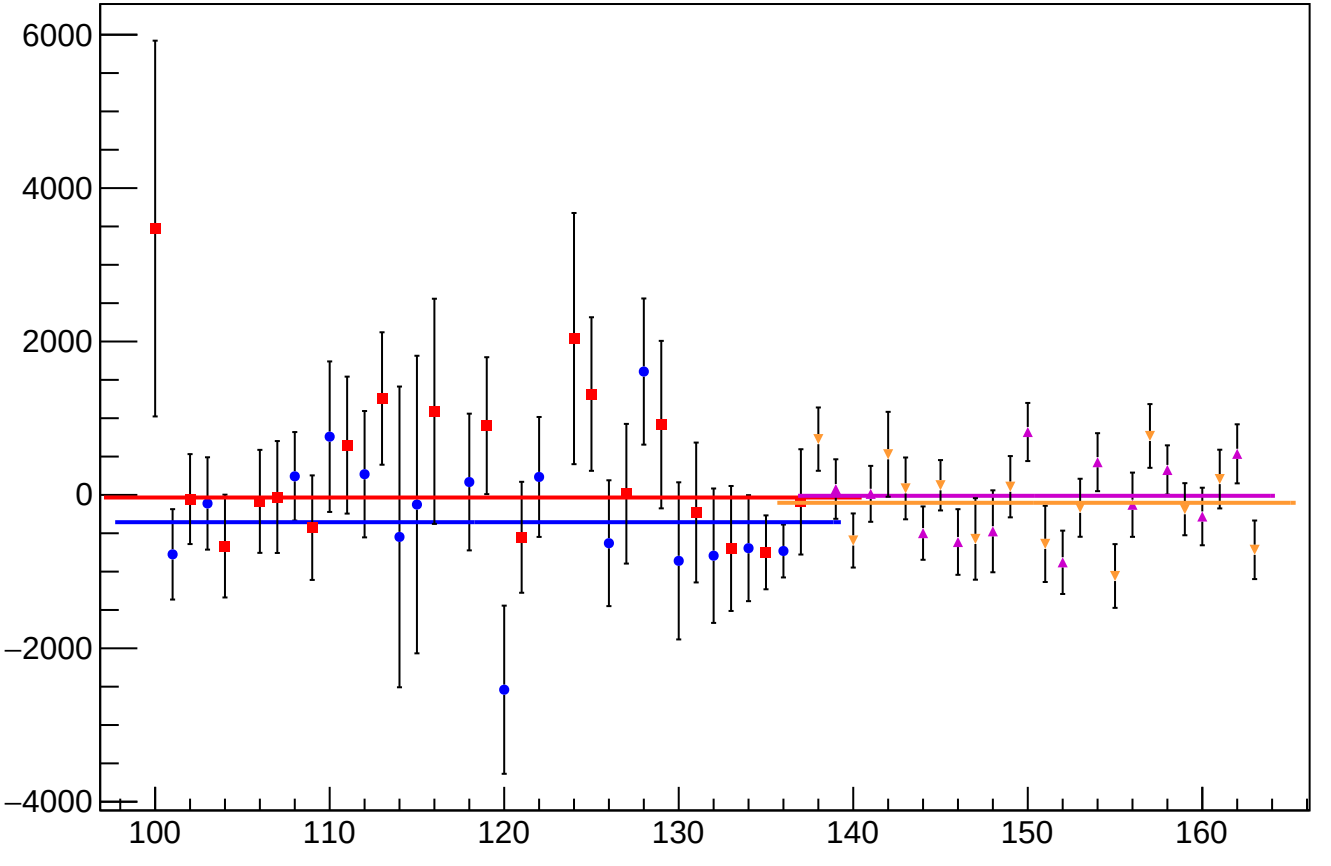
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.523+/-0.011 χ^2/NDF:661410.9/27

Out: 63.007+/-0.010 χ^2/NDF:636933.5/32

All: 63.255+/-0.008 χ^2/NDF: 1299518.5/60

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -102.801+/-106.964 χ^2/NDF:23.2/13

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -11.582+/-111.470 χ^2/NDF:19.0/11

Left: -59.072+/-77.179 χ^2/NDF: 42.6/25

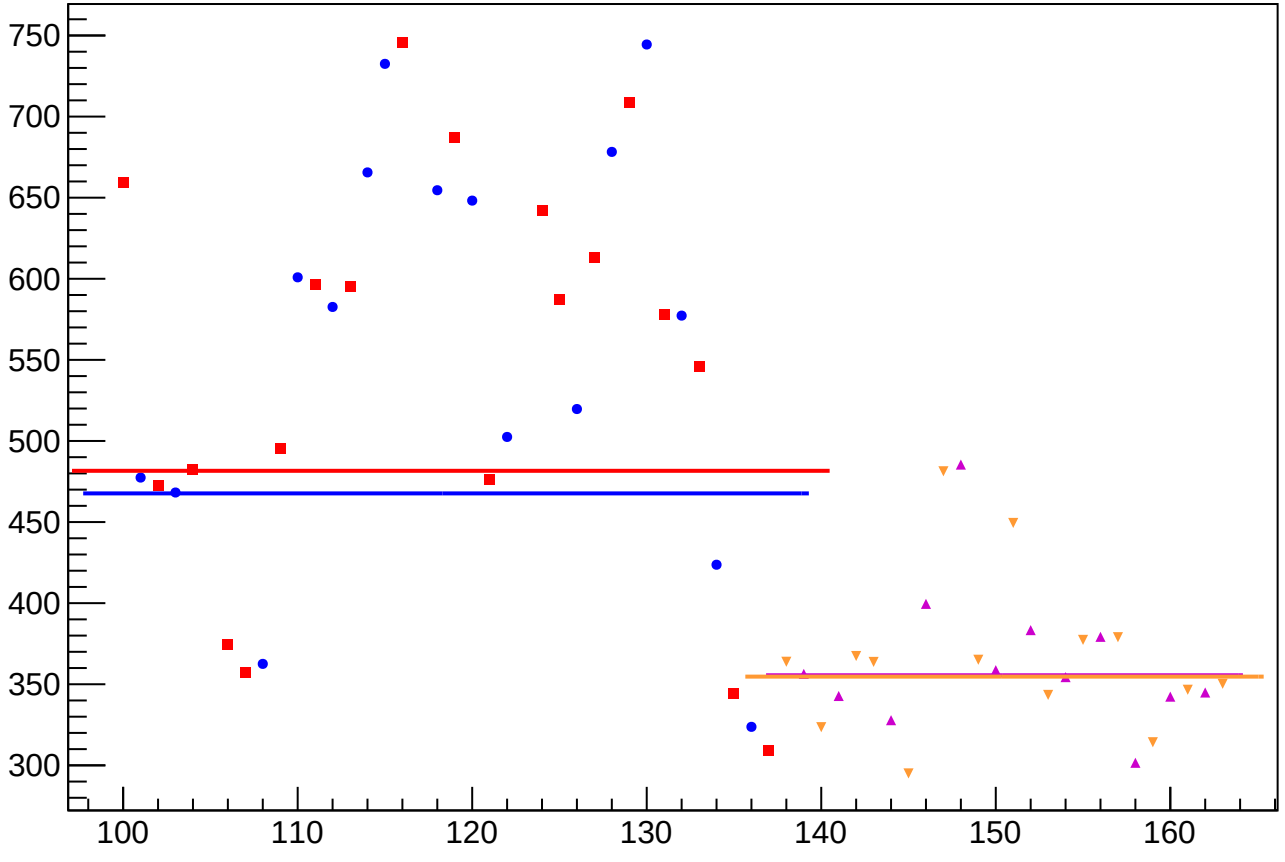
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -106.668+/-94.818 χ^2/NDF:36.5/27

Out: -85.019+/-92.160 χ^2/NDF:38.7/32

All: -95.536+/-66.087 χ^2/NDF: 75.2/60

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: 354.705+/-0.076 χ^2/NDF:316462.6/13

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 355.550+/-0.079 χ^2/NDF:230667.2/11

Left: 355.110+/-0.055 χ^2/NDF: 547189.6/25

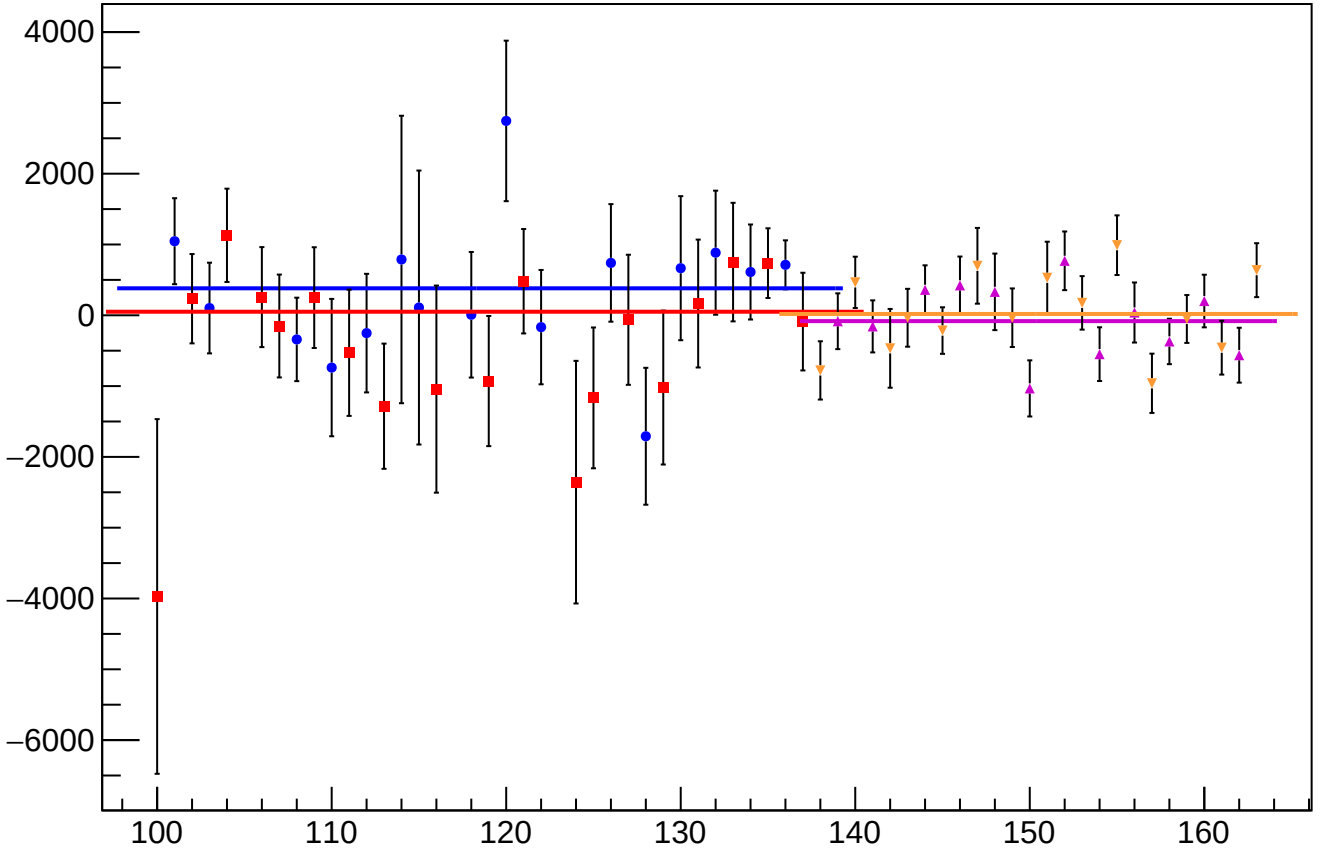
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 386.547+/-0.067 χ^2/NDF:1776030.5/27

Out: 387.400+/-0.065 χ^2/NDF:1895969.4/32

All: 386.985+/-0.047 χ^2/NDF: 3672083.1/60

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 18.691+/-107.763 χ^2/NDF:24.4/13

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -82.326+/-111.834 χ^2/NDF:18.3/11

Left: -29.945+/-77.599 χ^2/NDF: 43.1/25

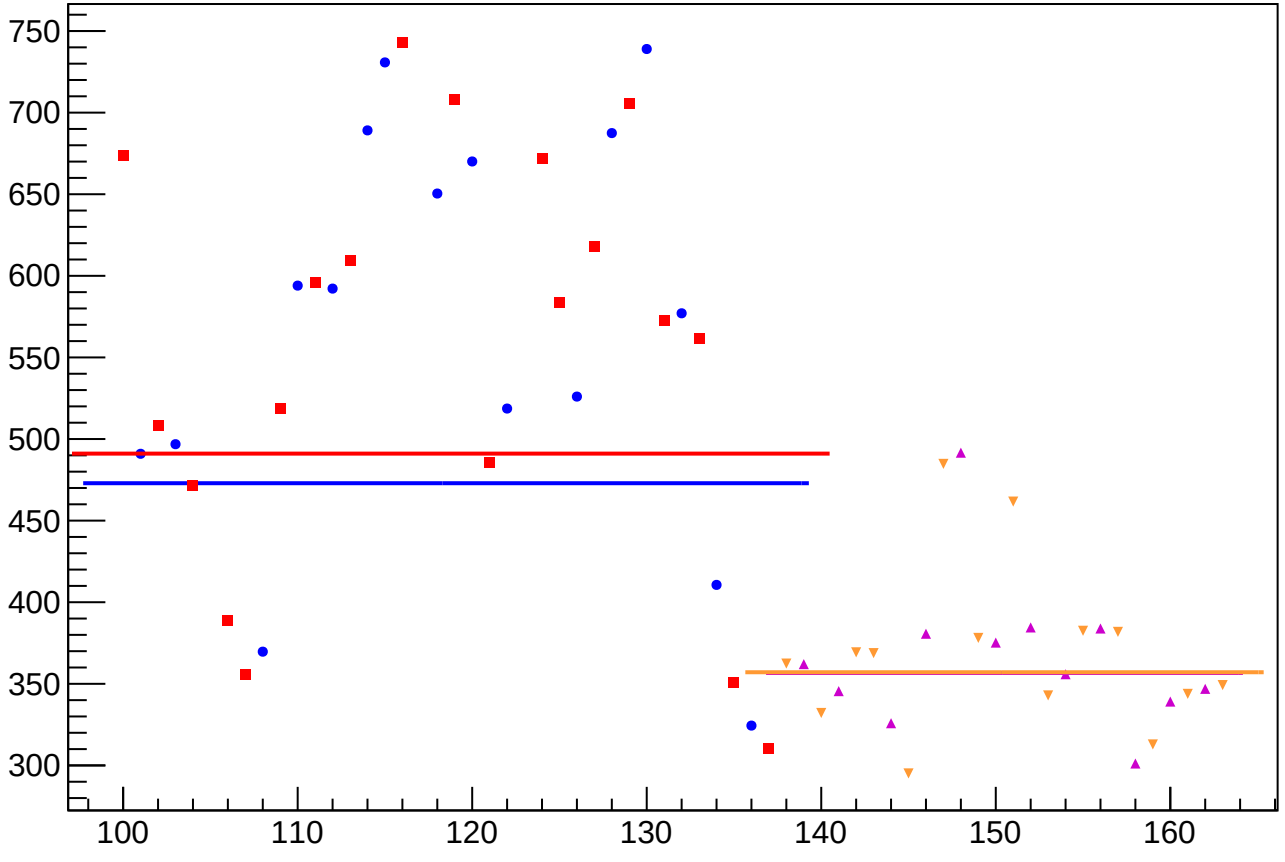
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 44.027+/-95.376 χ^2/NDF:39.1/27

Out: 26.706+/-93.150 χ^2/NDF:41.9/32

All: 35.162+/-66.640 χ^2/NDF: 81.0/60

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 357.096+/-0.076 χ^2/NDF:341434.7/13

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 356.643+/-0.079 χ^2/NDF:237008.4/11

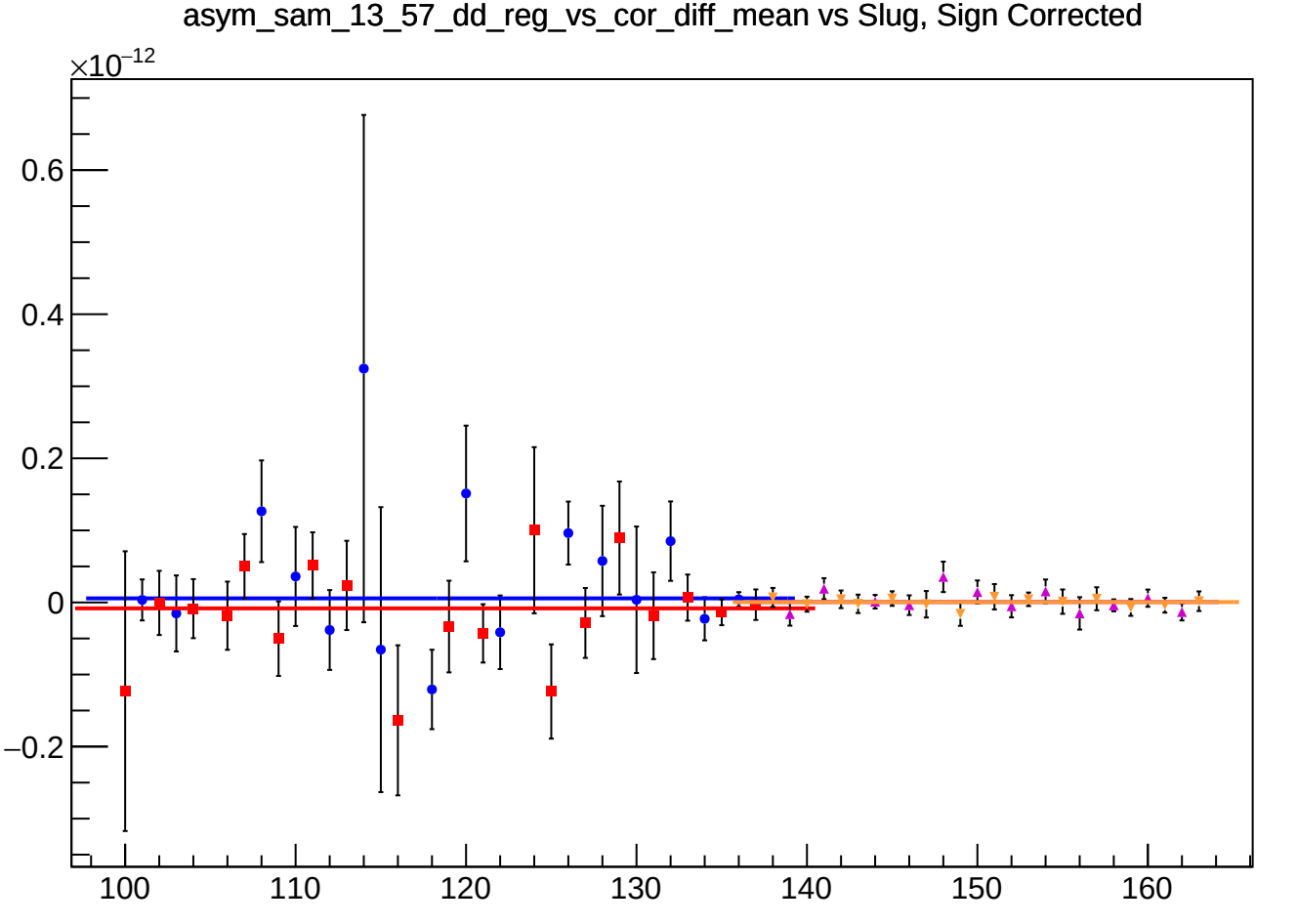
Left: 356.878+/-0.055 χ^2/NDF: 578460.0/25

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 388.348+/-0.067 χ^2/NDF:1826834.3/27

Out: 390.964+/-0.066 χ^2/NDF:1970345.4/32

All: 389.687+/-0.047 χ^2/NDF: 3797949.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/11

Left: 0.000+/-0.000 χ^2/NDF: 12.3/25

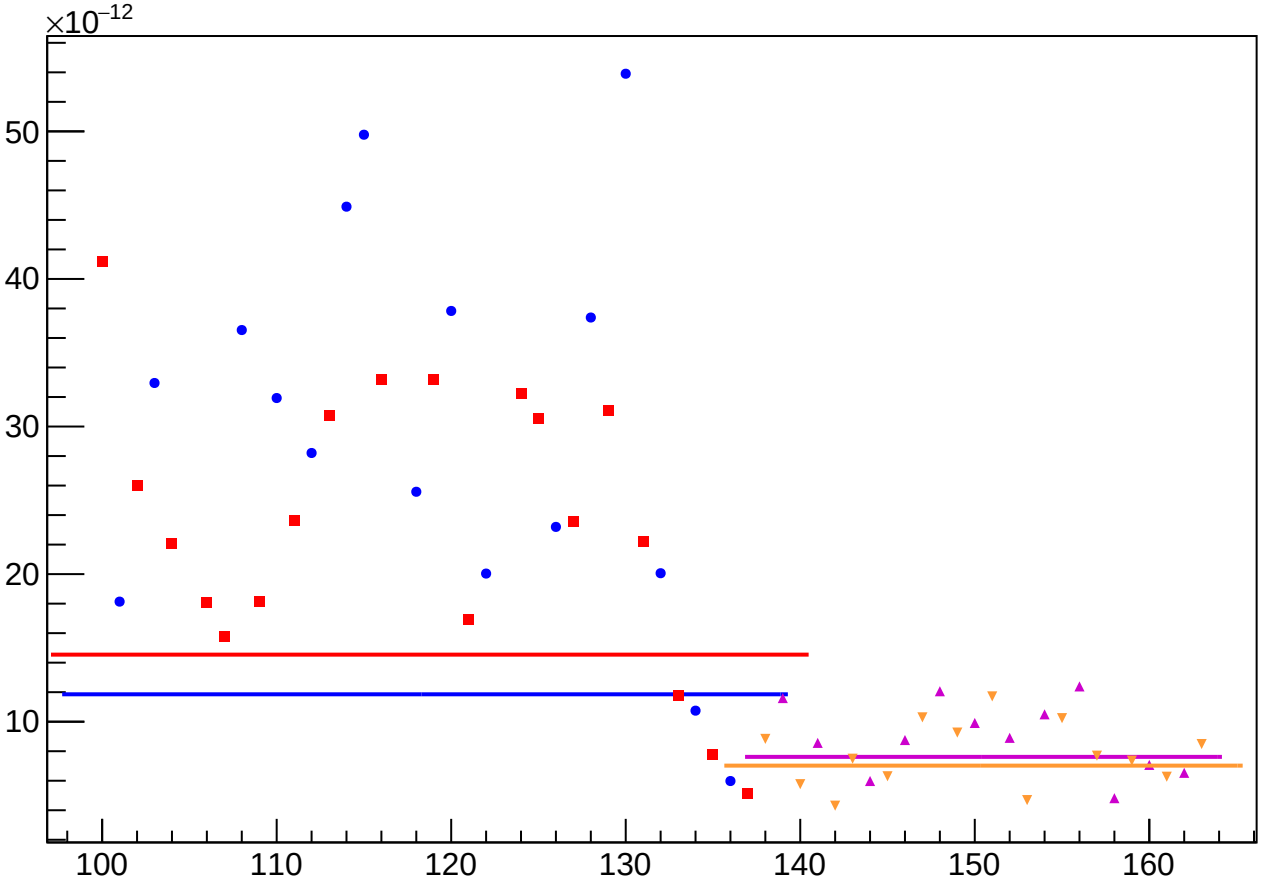
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:31.1/27

Out: -0.000+/-0.000 χ^2/NDF:17.5/32

All: 0.000+/-0.000 χ^2/NDF: 48.8/60

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:655445.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:750059.5/11

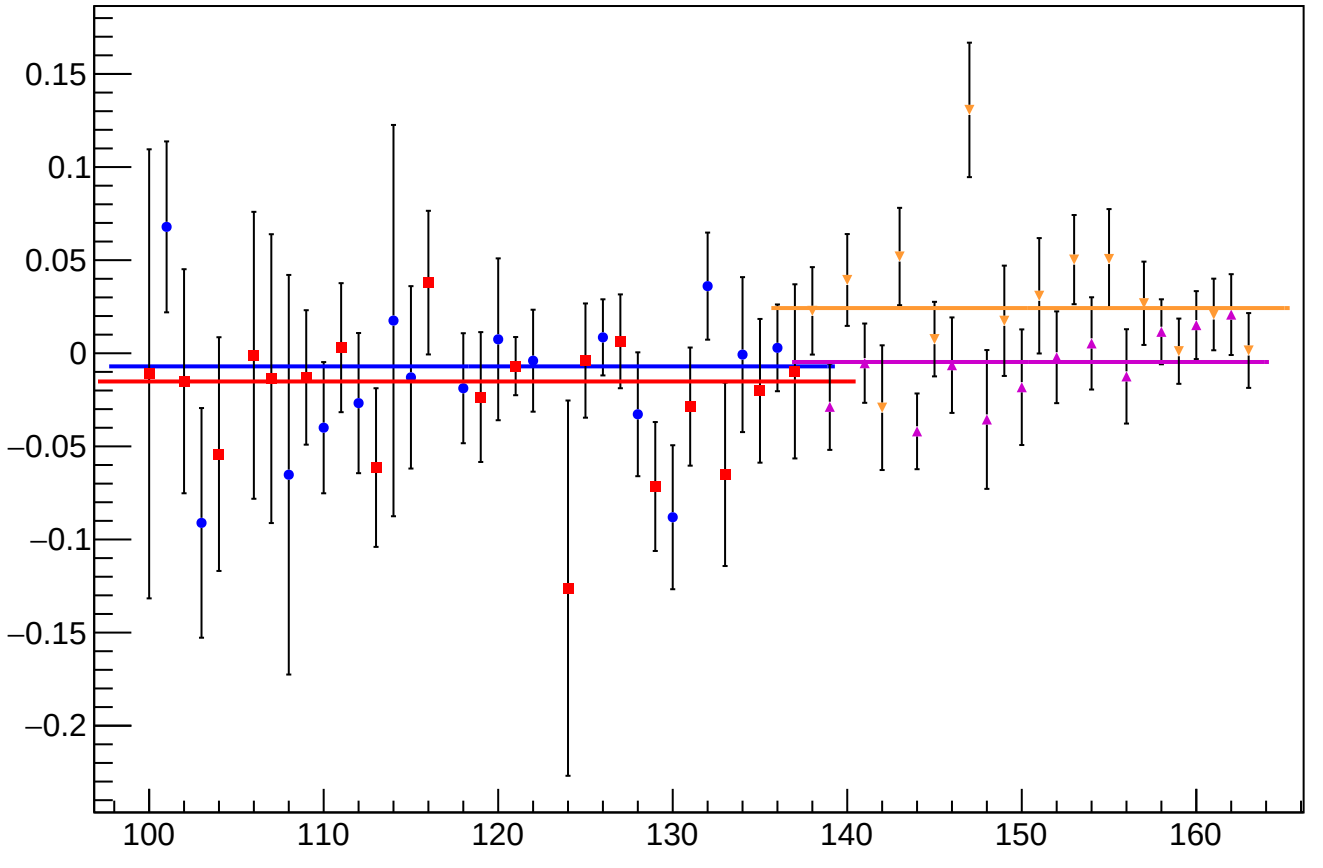
Left: 0.000+/-0.000 χ^2/NDF: 1432975.0/25

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:4047986.0/27

Out: 0.000+/-0.000 χ^2/NDF:3583618.0/32

All: 0.000+/-0.000 χ^2/NDF: 7652695.6/60



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.007 χ^2/NDF:9.0/11

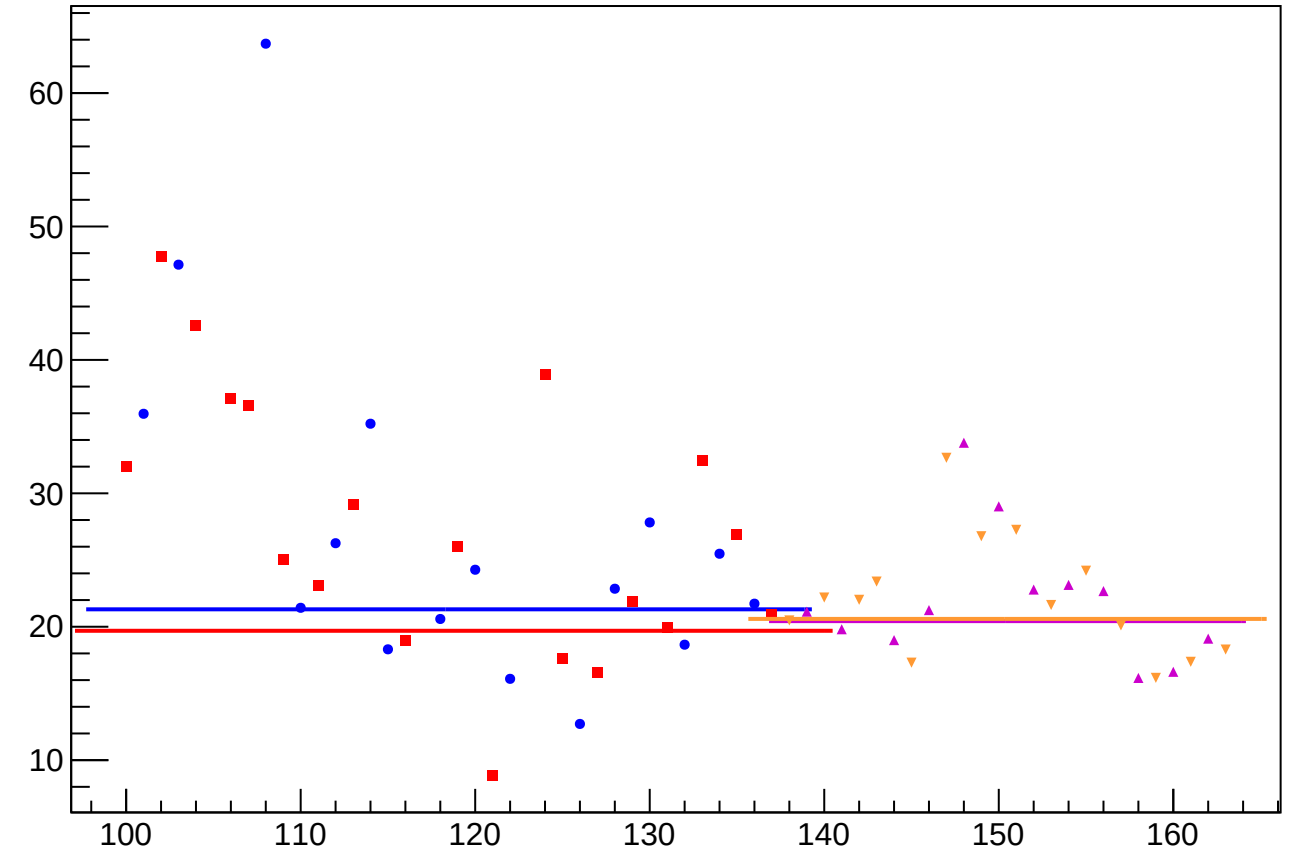
Left: 0.010+/-0.005 χ^2/NDF: 37.8/25

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/27

Out: 0.010+/-0.005 χ^2/NDF:43.2/32

All: 0.002+/-0.004 χ^2/NDF: 71.0/60



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.587+/-0.004 χ^2/NDF:743206.1/13

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.421+/-0.005 χ^2/NDF:697597.4/11

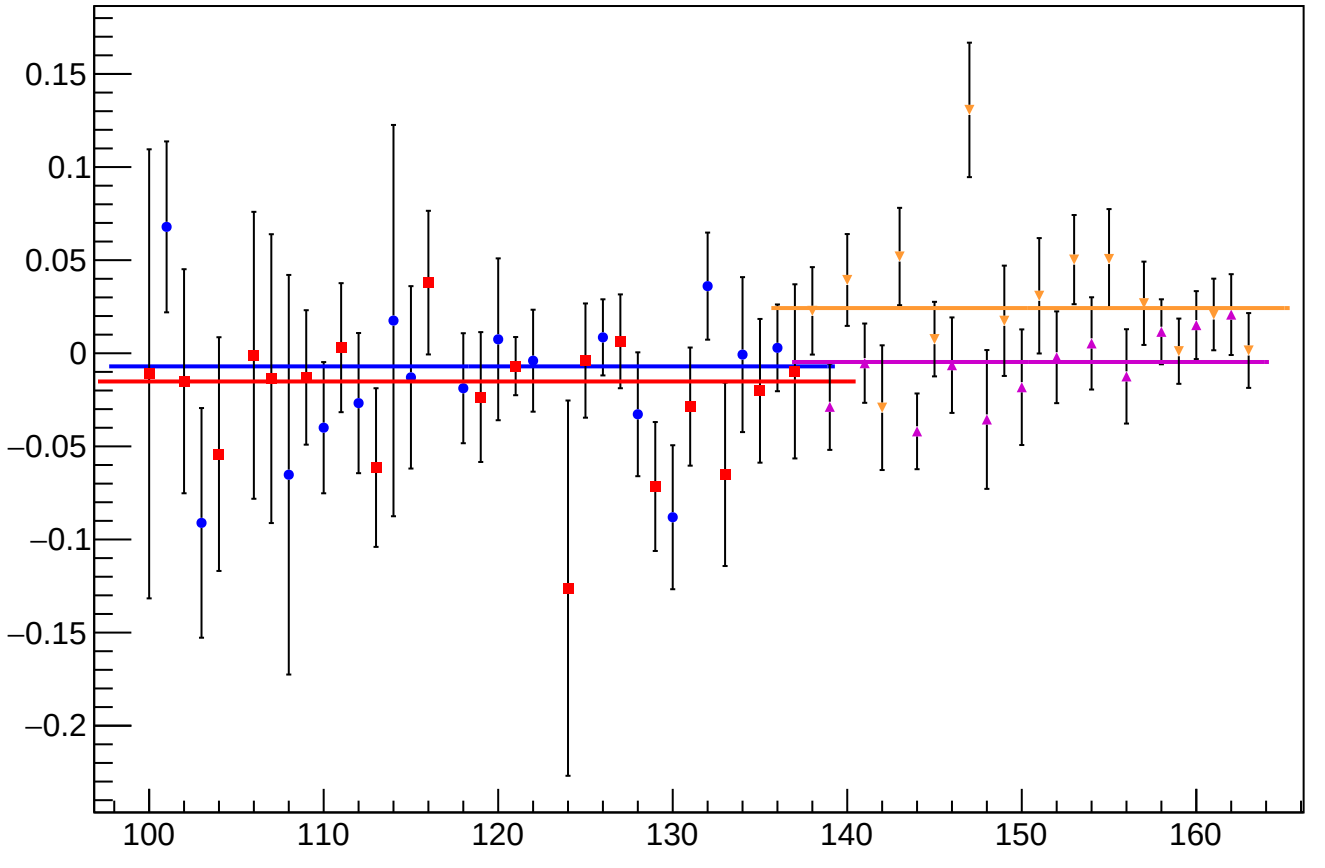
Left: 20.507+/-0.003 χ^2/NDF: 1441459.7/25

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.747+/-0.004 χ^2/NDF:2190273.6/27

Out: 20.255+/-0.004 χ^2/NDF:3196856.8/32

All: 20.491+/-0.003 χ^2/NDF: 5396340.2/60



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.007 χ^2/NDF:9.0/11

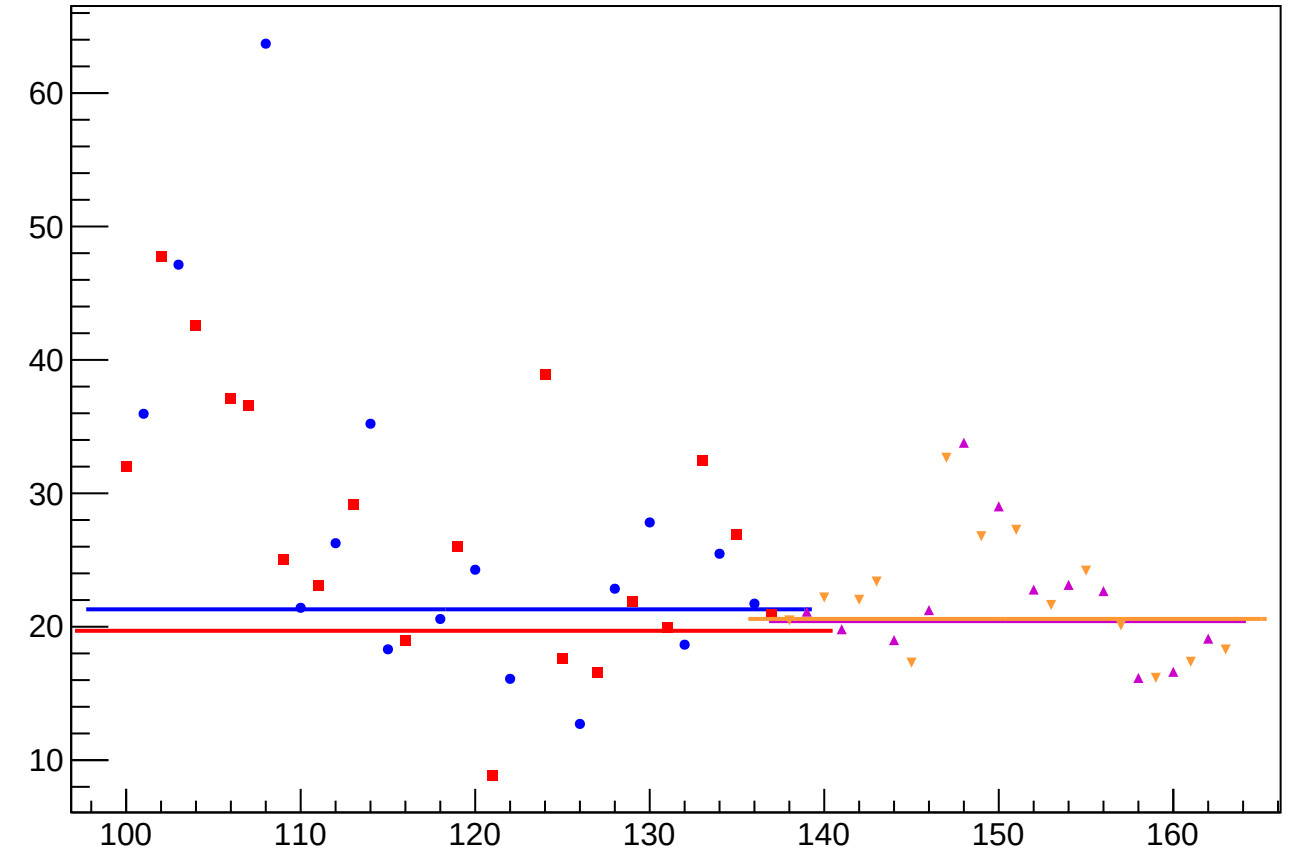
Left: 0.010+/-0.005 χ^2/NDF: 37.8/25

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/27

Out: 0.010+/-0.005 χ^2/NDF:43.2/32

All: 0.002+/-0.004 χ^2/NDF: 71.0/60



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.587+/-0.004 χ^2/NDF:743206.1/13

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 20.421+/-0.005 χ^2/NDF:697597.4/11

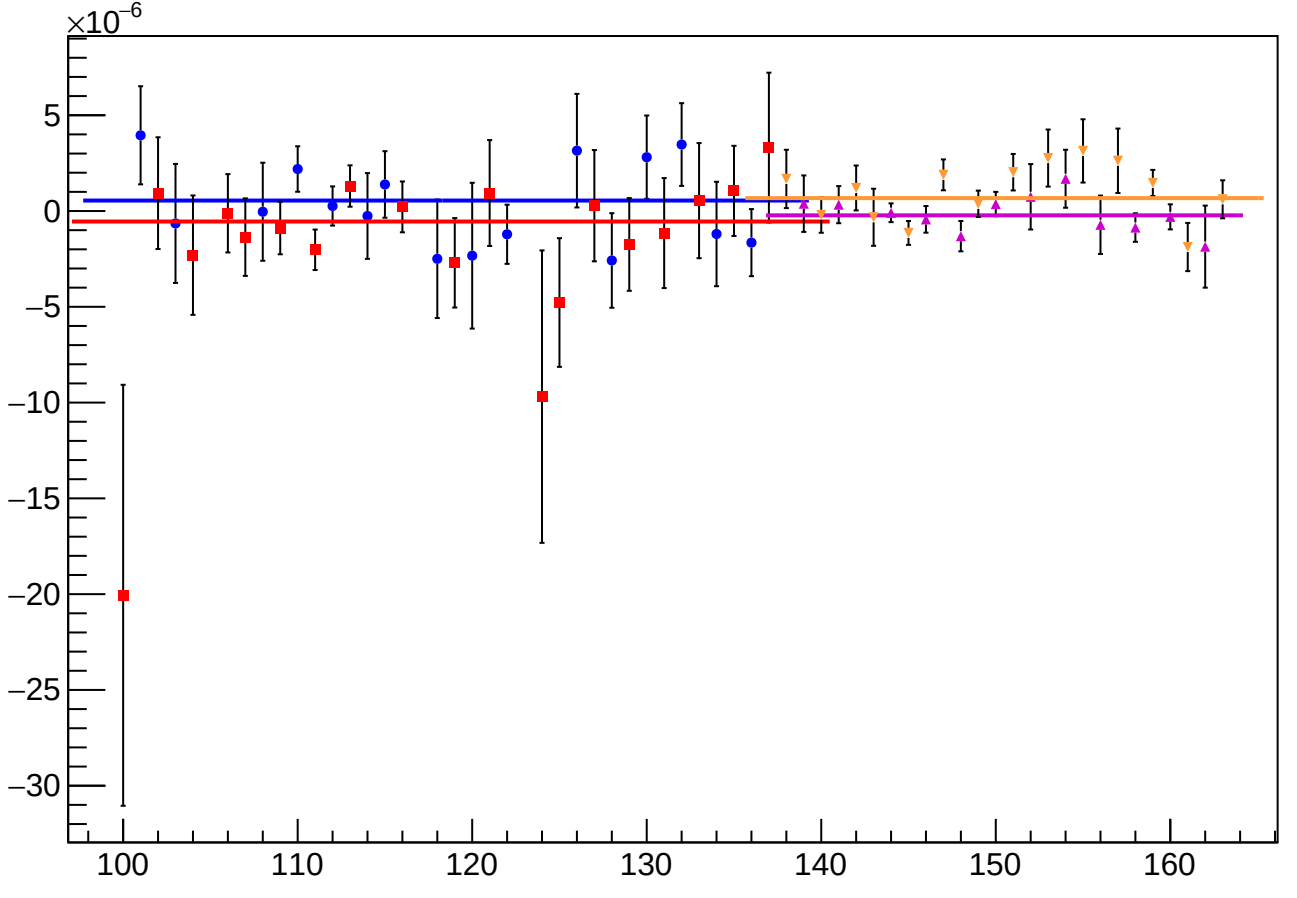
Left: 20.507+/-0.003 χ^2/NDF: 1441459.7/25

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.747+/-0.004 χ^2/NDF:2190273.6/27

Out: 20.255+/-0.004 χ^2/NDF:3196856.8/32

All: 20.491+/-0.003 χ^2/NDF: 5396340.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/11

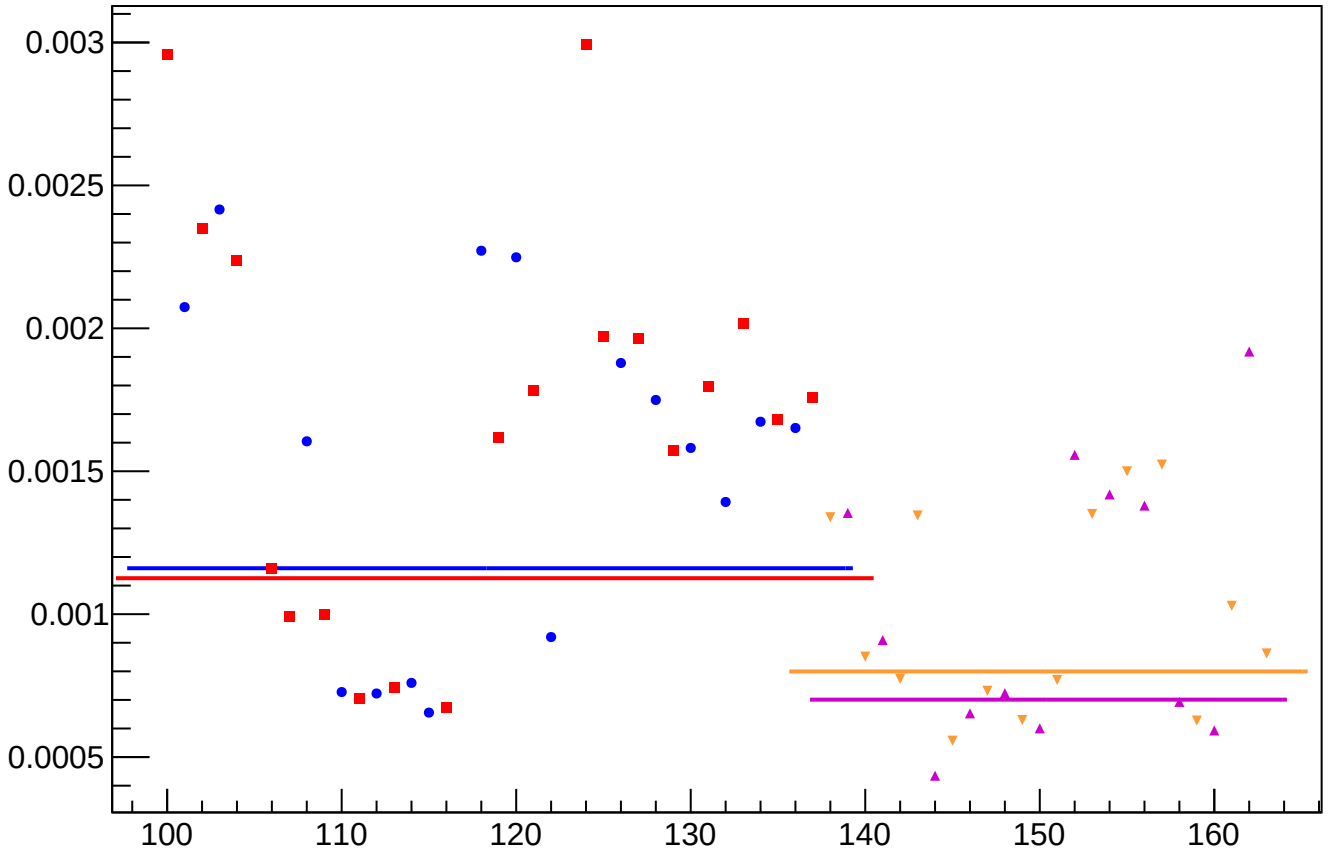
Left: 0.000+/-0.000 χ^2/NDF: 39.3/25

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:23.3/27

Out: 0.000+/-0.000 χ^2/NDF:46.7/32

All: 0.000+/-0.000 χ^2/NDF: 72.1/60



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2172060.5/13

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3189604.0/11

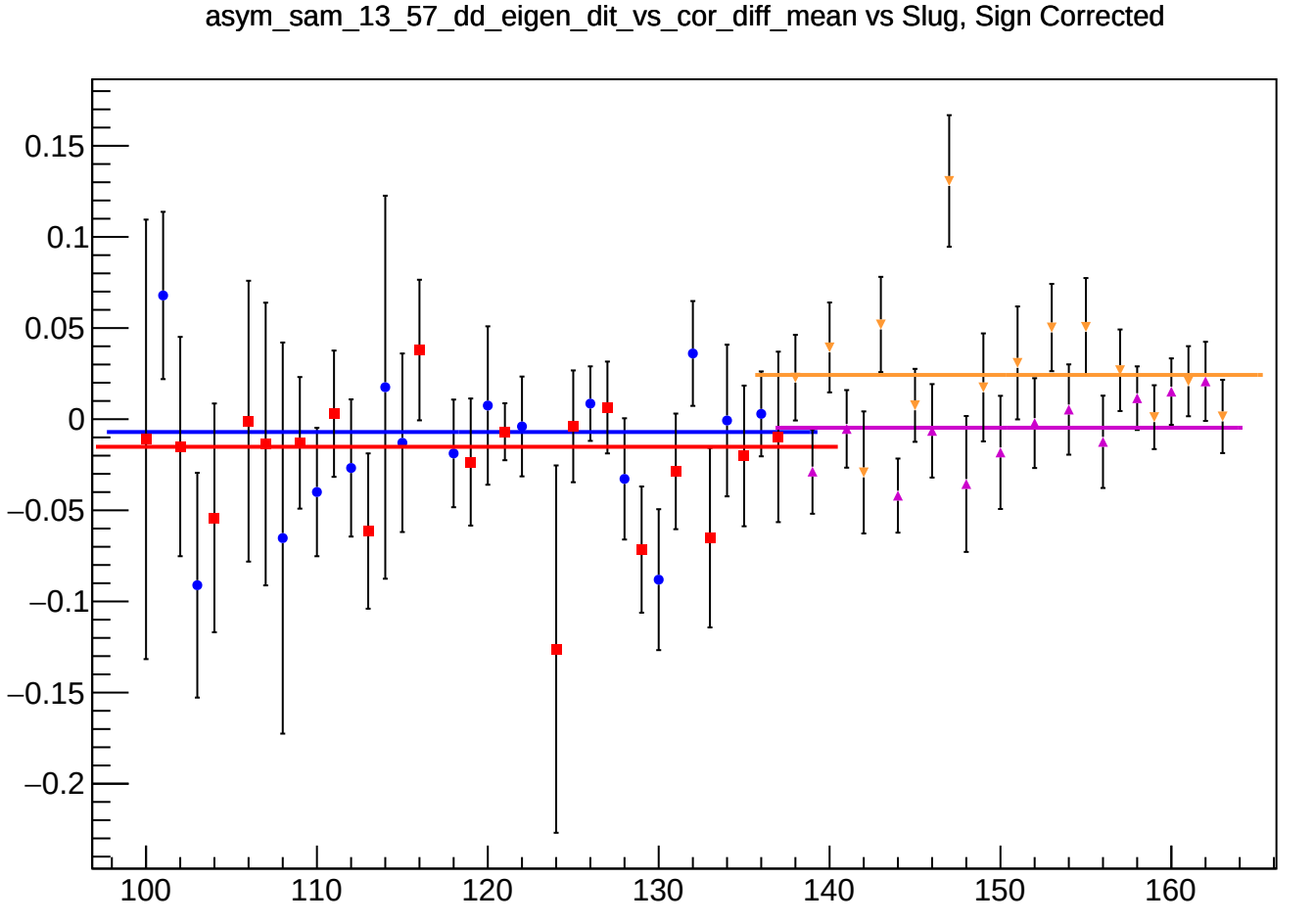
Left: 0.001+/-0.000 χ^2/NDF: 5518521.2/25

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7198670.9/27

Out: 0.001+/-0.000 χ^2/NDF:5565906.0/32

All: 0.001+/-0.000 χ^2/NDF: 12913505.6/60



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.024+/-0.006 χ^2/NDF:18.8/13

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.005+/-0.007 χ^2/NDF:9.0/11

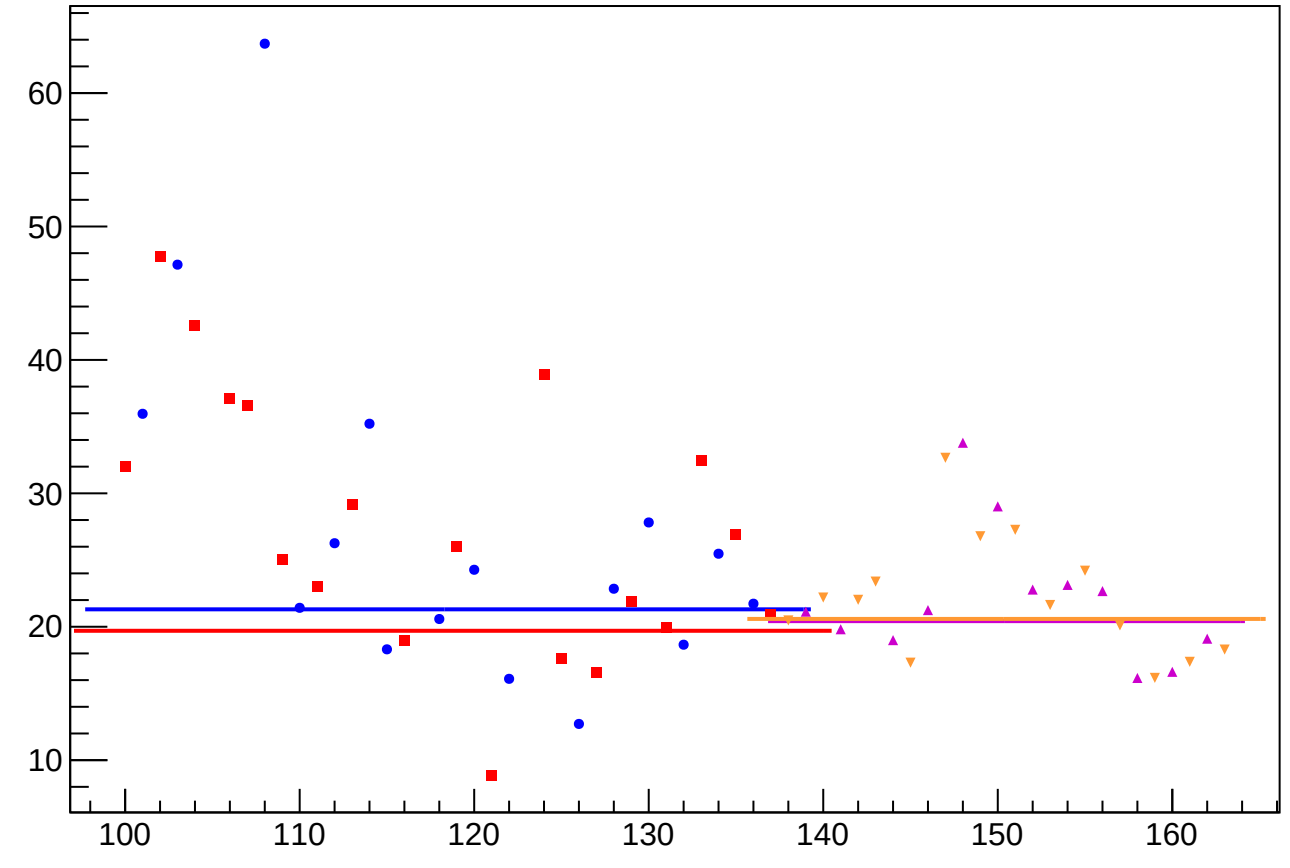
Left: 0.010+/-0.005 χ^2/NDF: 37.8/25

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.006+/-0.005 χ^2/NDF:23.4/27

Out: 0.010+/-0.005 χ^2/NDF:43.2/32

All: 0.002+/-0.004 χ^2/NDF: 71.0/60



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.587+/-0.004 χ^2/NDF:743338.8/13

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.421+/-0.005 χ^2/NDF:697712.2/11

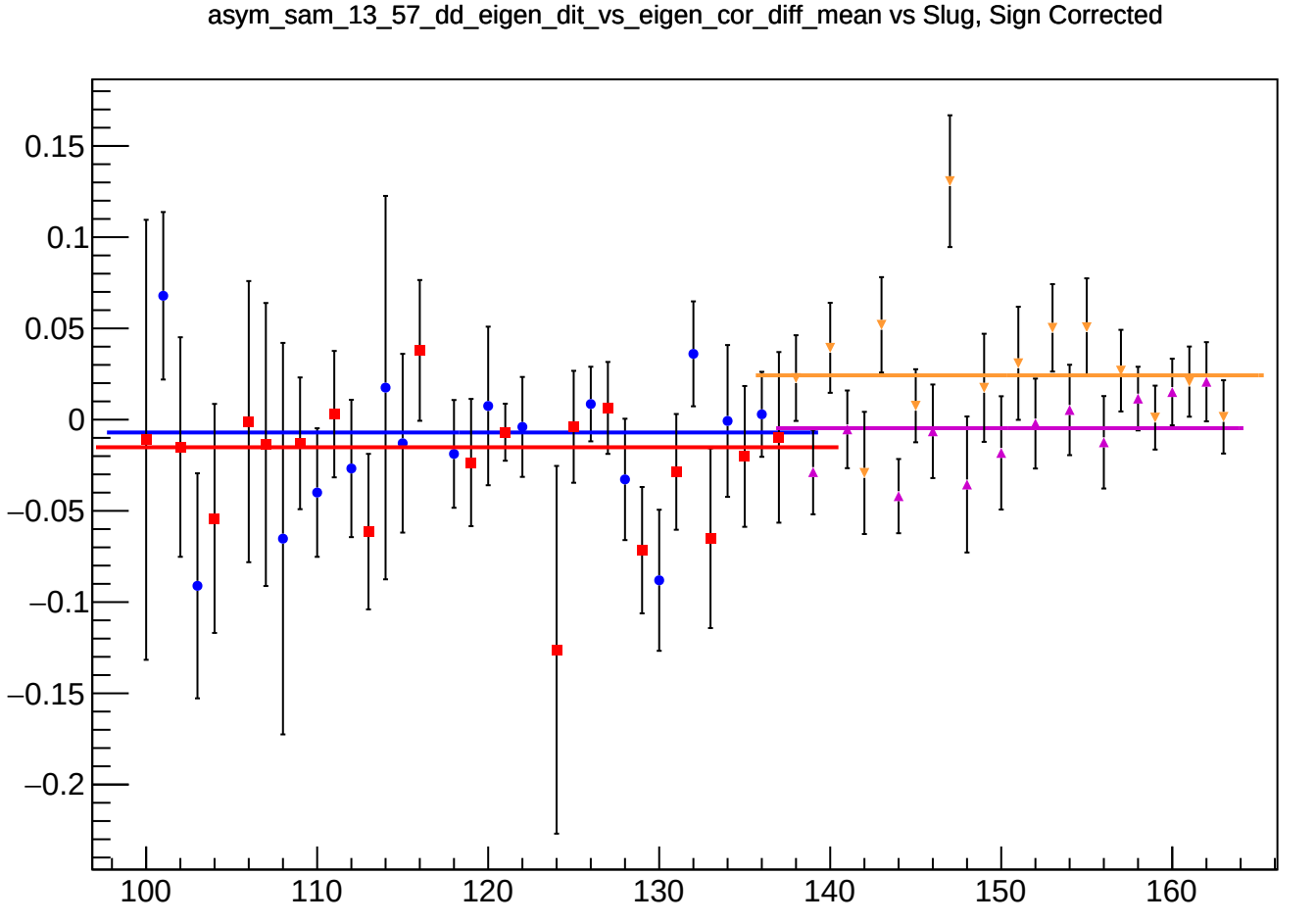
Left: 20.507+/-0.003 χ^2/NDF: 1441707.5/25

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

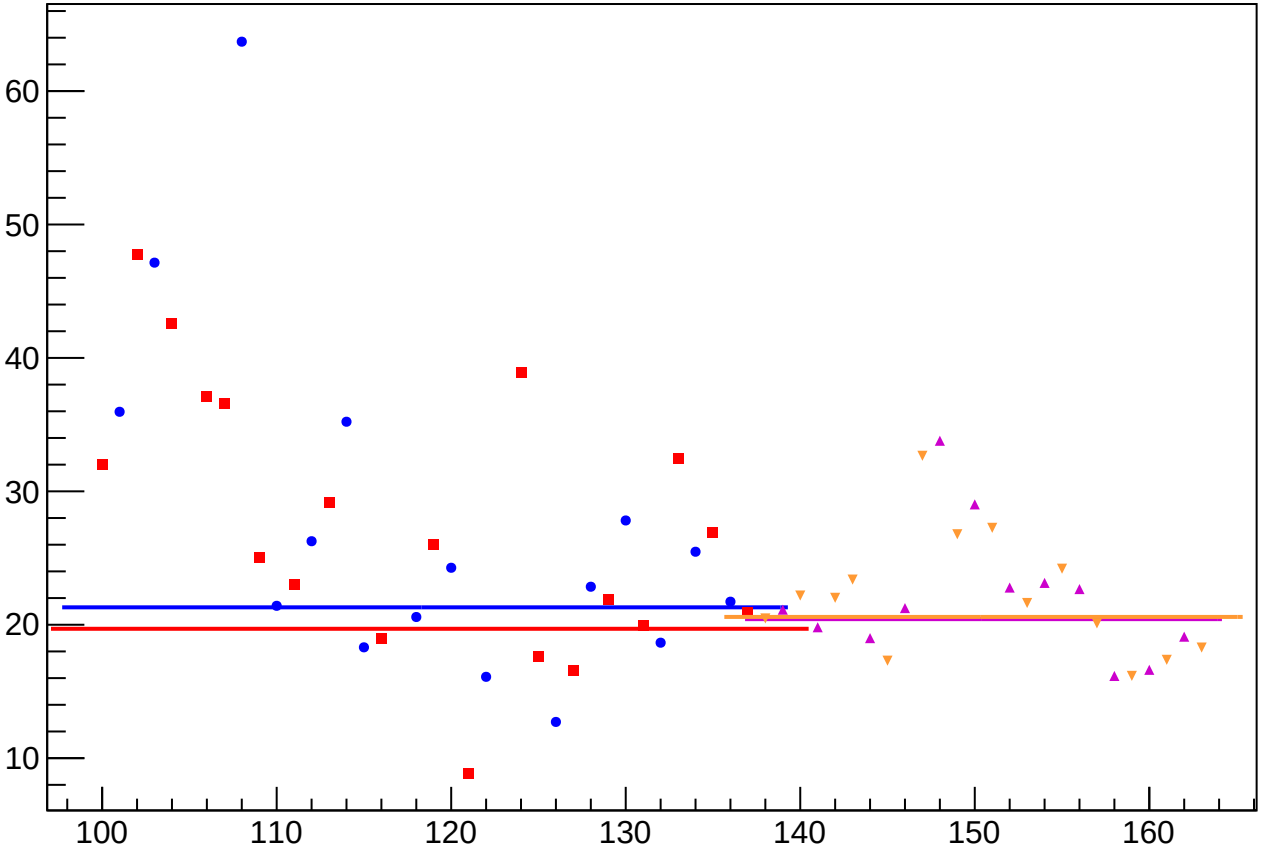
In: 20.747+/-0.004 χ^2/NDF:2190233.3/27

Out: 20.255+/-0.004 χ^2/NDF:3196598.7/32

All: 20.491+/-0.003 χ^2/NDF: 5396035.4/60


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.024+/-0.006 χ²/NDF:18.8/13
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.005+/-0.007 χ²/NDF:9.0/11
Left: 0.010+/-0.005 χ²/NDF: 37.8/25
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.006+/-0.005 χ²/NDF:23.4/27
Out: 0.010+/-0.005 χ²/NDF:43.2/32
All: 0.002+/-0.004 χ²/NDF: 71.0/60

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: 20.587+/-0.004 χ^2/NDF:743338.8/13

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.421+/-0.005 χ^2/NDF:697712.2/11

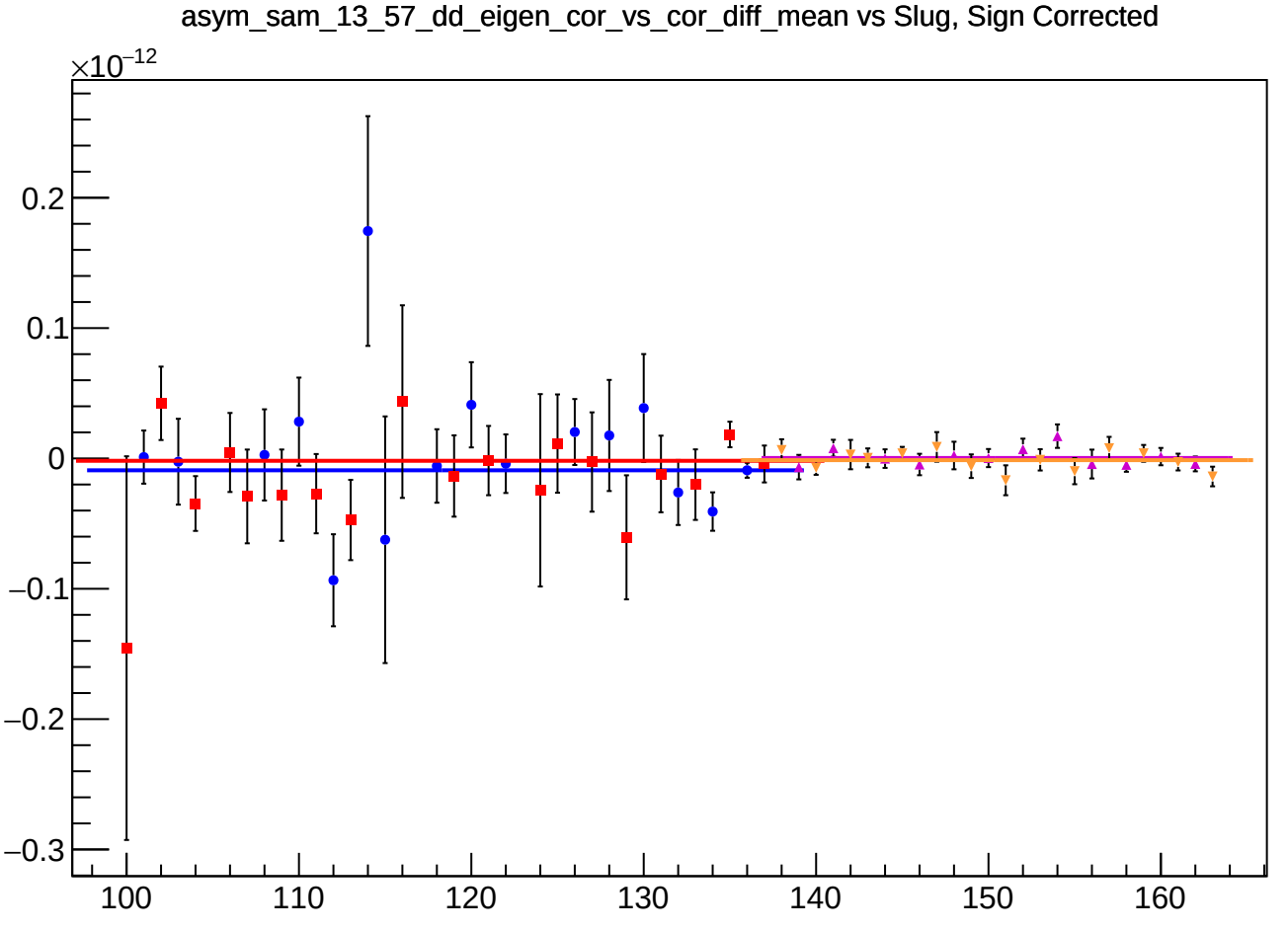
Left: 20.507+/-0.003 χ^2/NDF: 1441707.5/25

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.747+/-0.004 χ^2/NDF:2190233.3/27

Out: 20.255+/-0.004 χ^2/NDF:3196598.7/32

All: 20.491+/-0.003 χ^2/NDF: 5396035.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/11

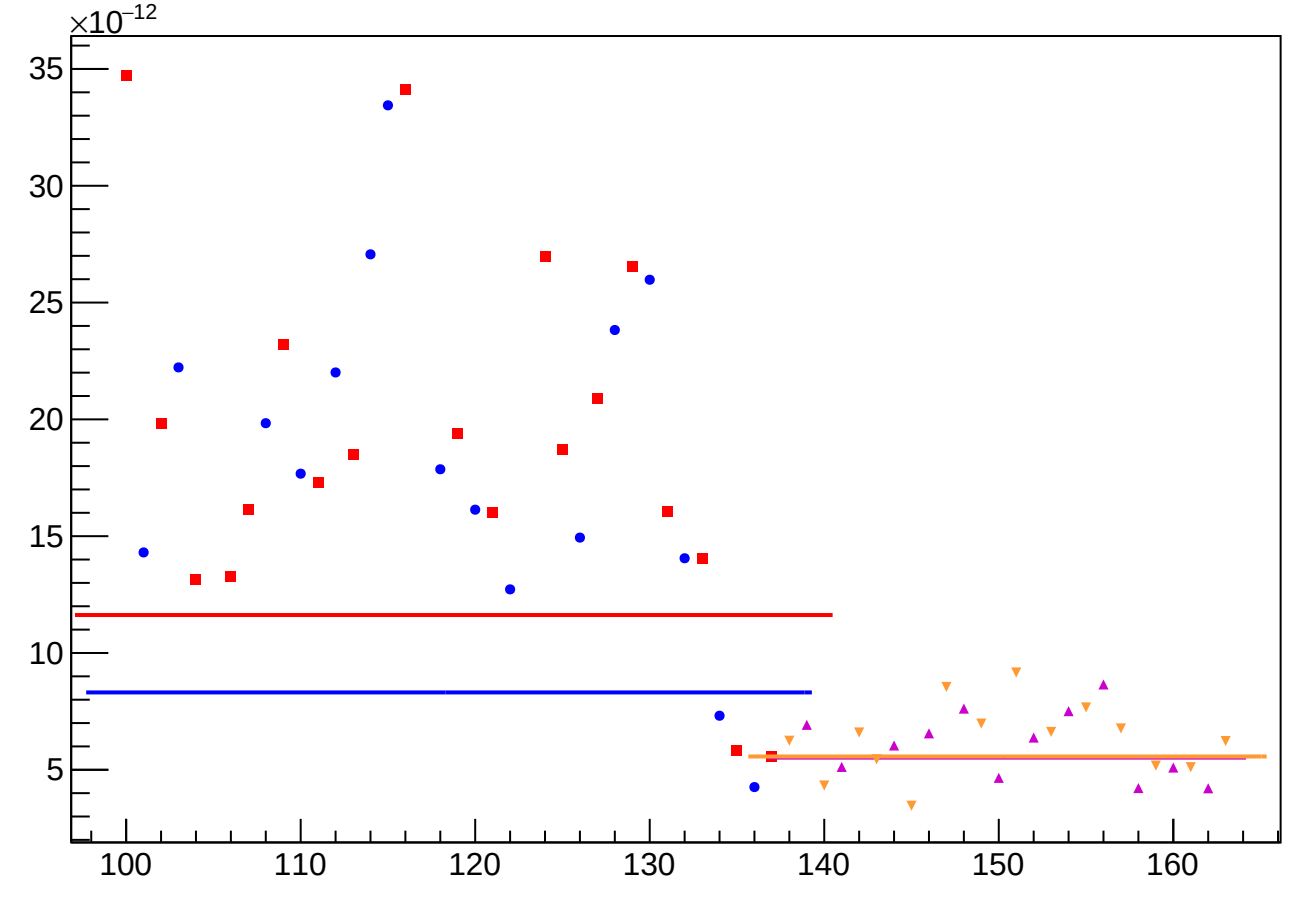
Left: -0.000+/-0.000 χ^2/NDF: 20.1/25

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: -0.000+/-0.000 χ^2/NDF:34.4/27

Out: -0.000+/-0.000 χ^2/NDF:28.5/32

All: -0.000+/-0.000 χ^2/NDF: 63.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1065899.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:718774.0/11

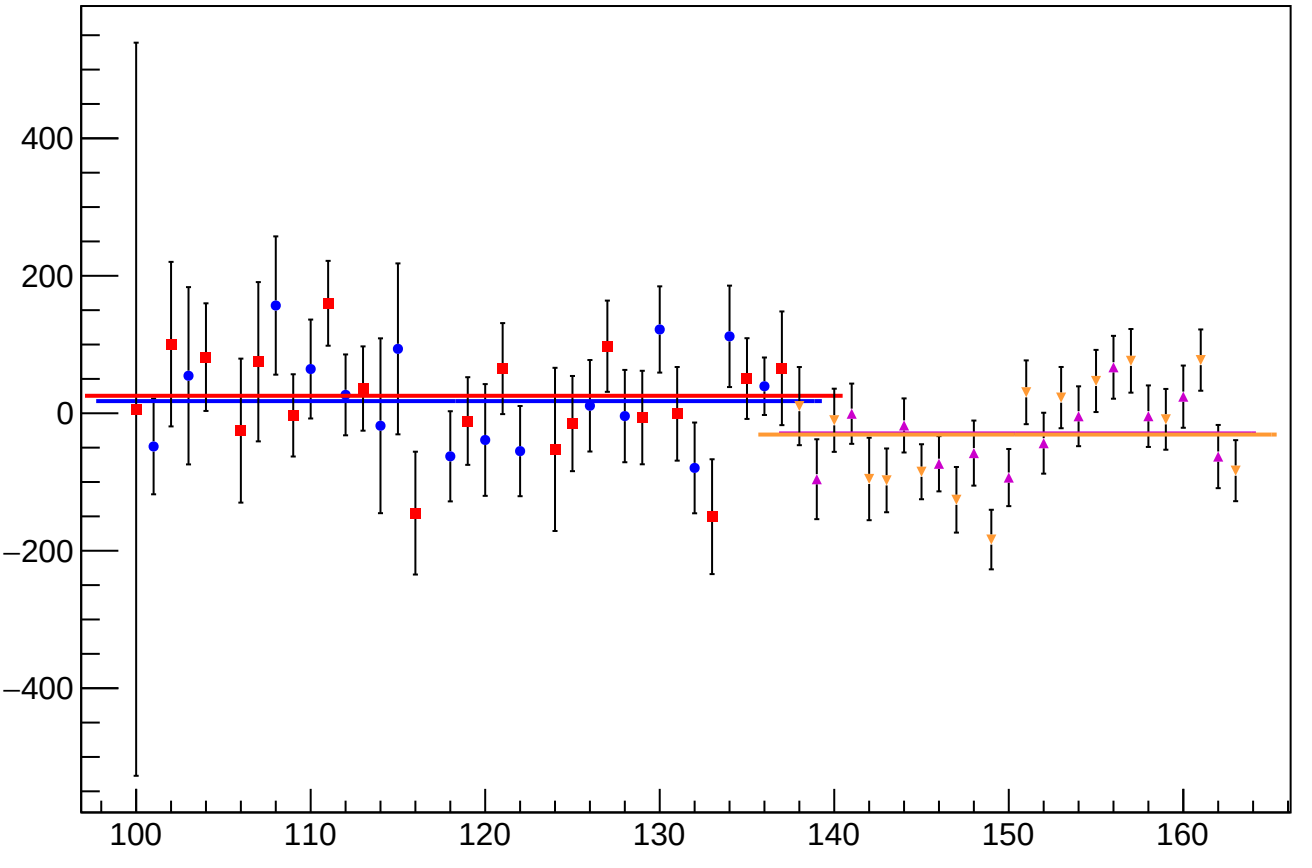
Left: 0.000+/-0.000 χ^2/NDF: 1785238.4/25

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:5081827.2/27

Out: 0.000+/-0.000 χ^2/NDF:5693969.4/32

All: 0.000+/-0.000 χ^2/NDF: 10788710.7/60



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.971+/-12.340 χ^2/NDF:41.3/13

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -29.306+/-12.823 χ^2/NDF:12.9/11

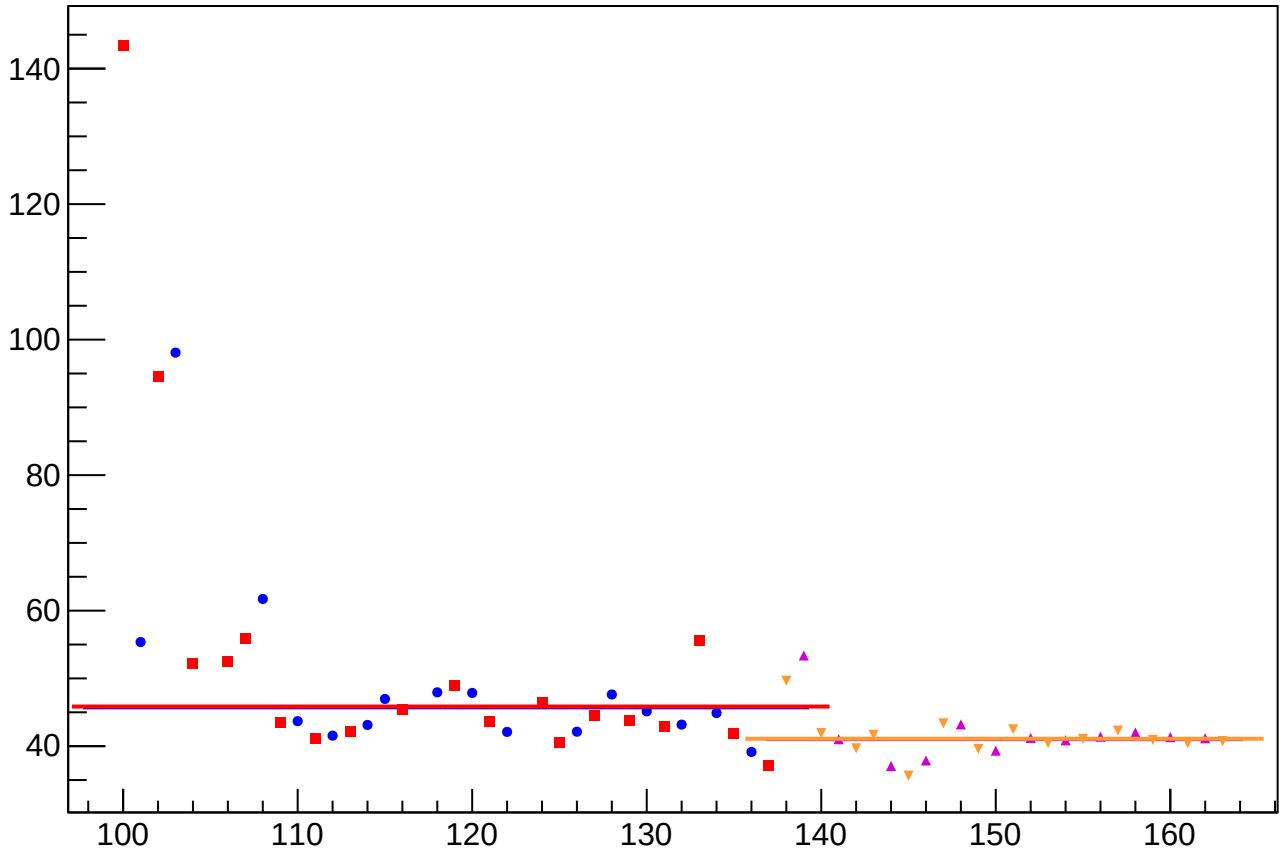
Left: -30.170+/-8.892 χ^2/NDF: 54.2/25

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -12.848+/-10.337 χ^2/NDF:31.5/27

Out: -12.001+/-10.053 χ^2/NDF:66.1/32

All: -12.413+/-7.207 χ^2/NDF: 97.7/60



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 41.040+/-0.009 χ^2/NDF:131552.5/11

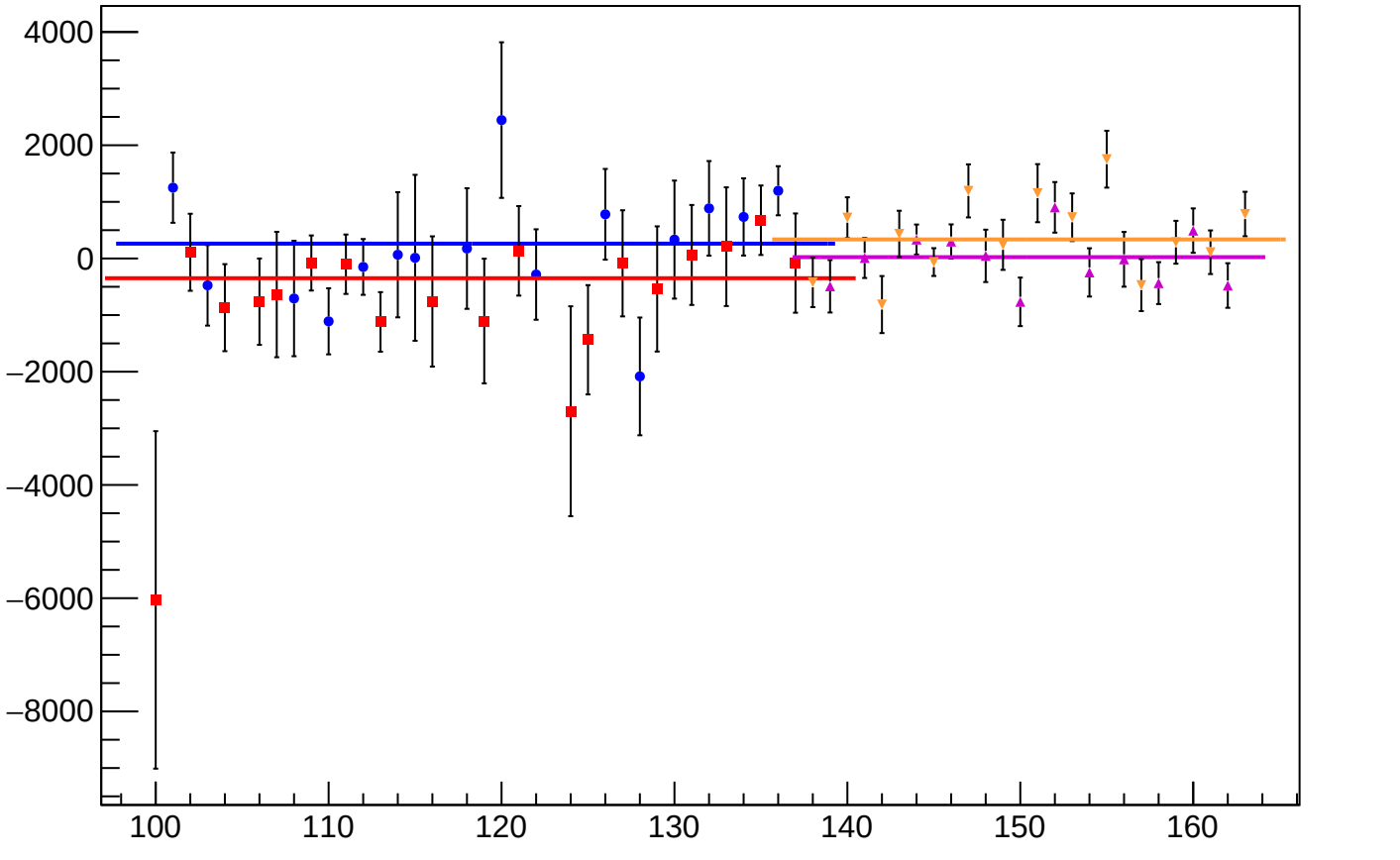
Left: 41.070+/-0.006 χ^2/NDF: 227009.4/25

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 42.681+/-0.007 χ^2/NDF:726546.9/27

Out: 42.696+/-0.007 χ^2/NDF:735297.4/32

All: 42.689+/-0.005 χ^2/NDF: 1461846.3/60



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 336.241+/-106.929 χ^2/NDF:31.6/13

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 23.196+/-109.776 χ^2/NDF:15.7/11

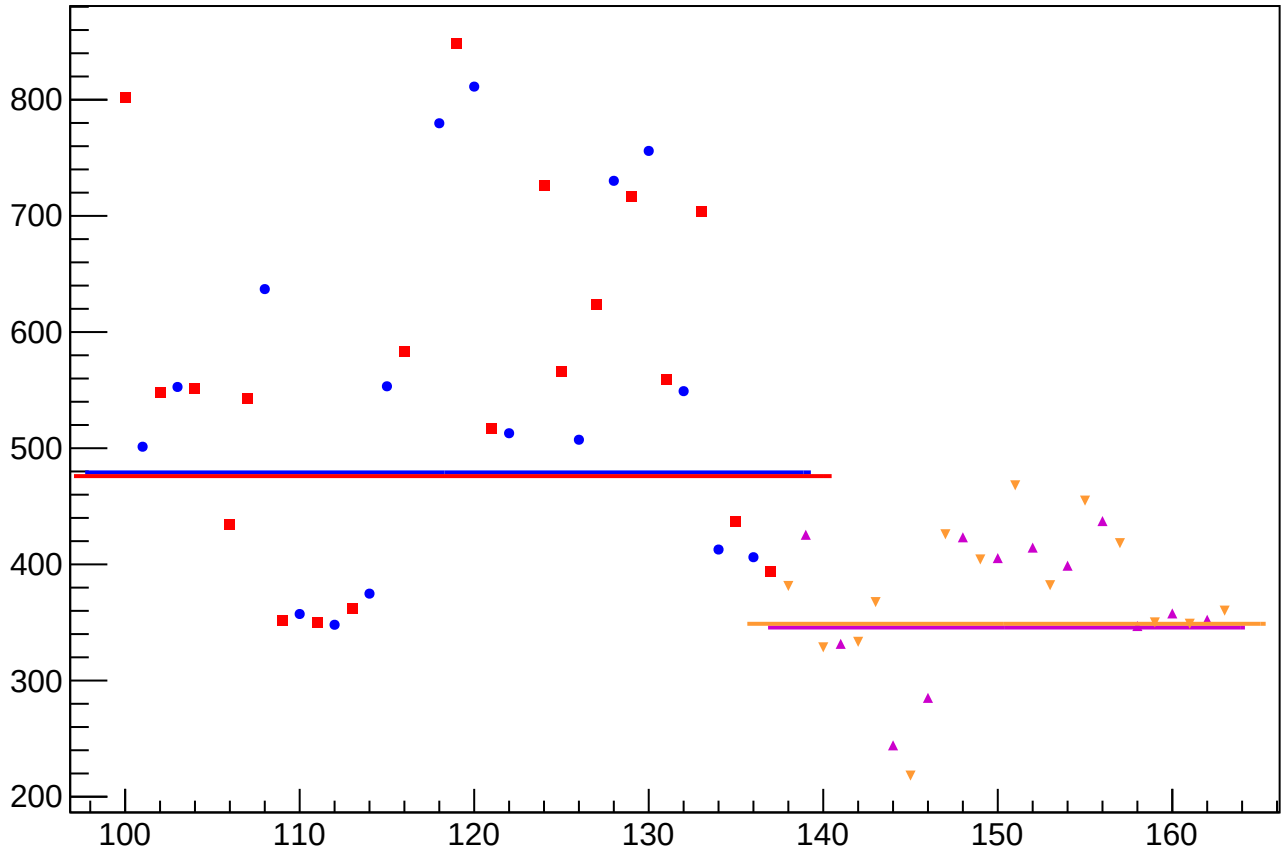
Left: 183.831+/-76.597 χ^2/NDF: 51.5/25

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 85.264+/-94.435 χ^2/NDF:41.9/27

Out: 158.579+/-92.021 χ^2/NDF:57.1/32

All: 122.871+/-65.906 χ^2/NDF: 99.4/60



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 348.859+/-0.076 χ^2/NDF:932828.5/13

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 345.663+/-0.078 χ^2/NDF:684333.3/11

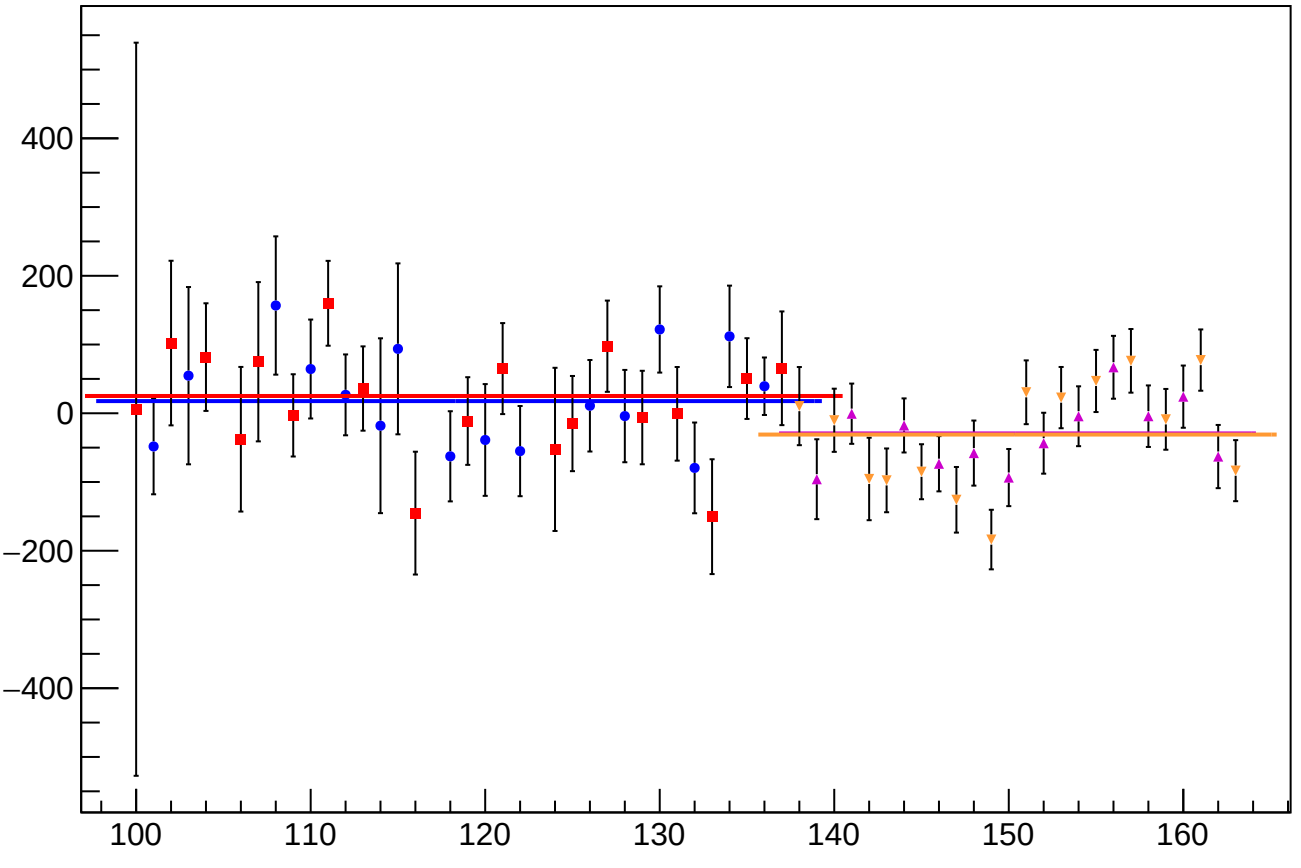
Left: 347.303+/-0.054 χ^2/NDF: 1618031.6/25

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 380.373+/-0.067 χ^2/NDF:2406164.1/27

Out: 381.835+/-0.065 χ^2/NDF:2672663.2/32

All: 381.123+/-0.047 χ^2/NDF: 5079073.2/60



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -29.306+/-12.823 χ^2/NDF:12.9/11

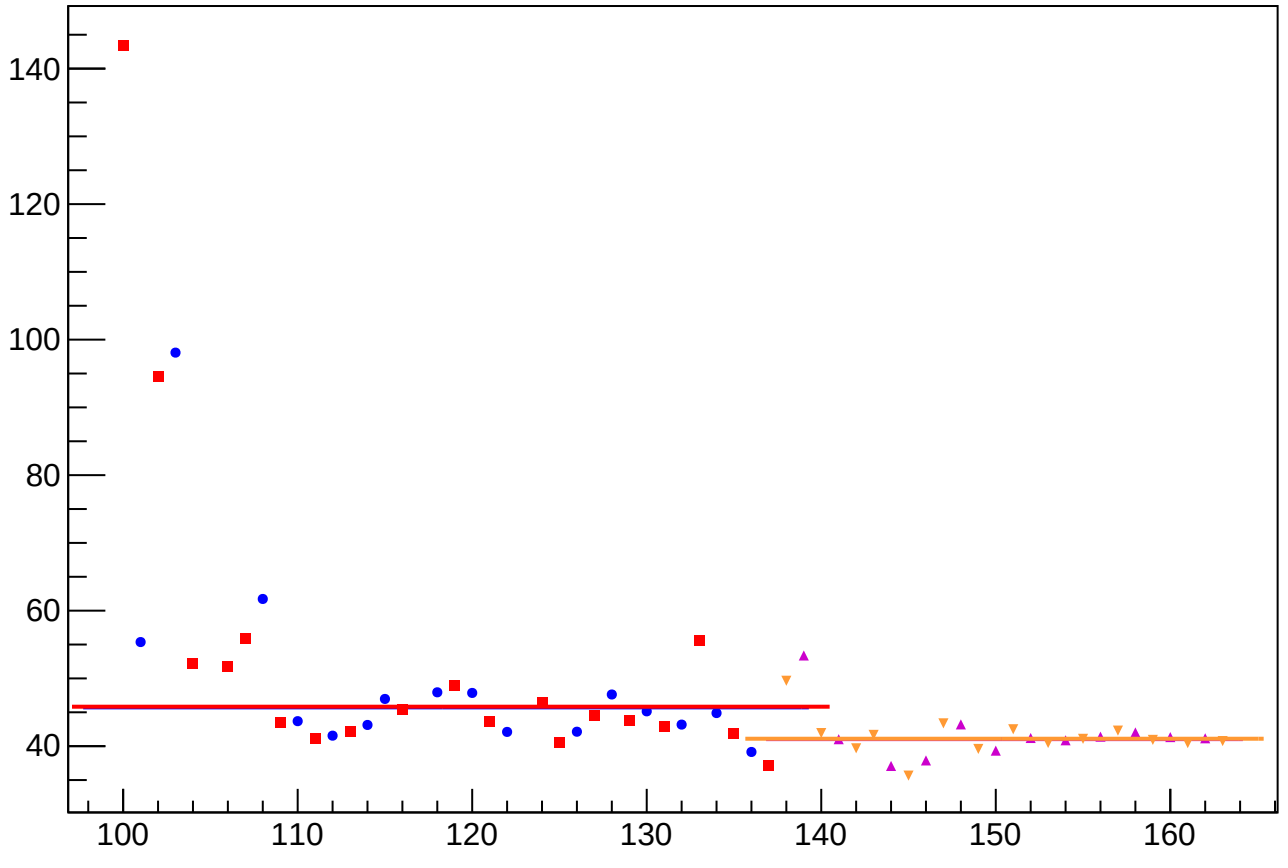
Left: -30.171+/-8.892 χ^2/NDF: 54.2/25

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.846+/-10.337 χ^2/NDF:31.5/27

Out: -12.105+/-10.054 χ^2/NDF:66.2/32

All: -12.465+/-7.207 χ^2/NDF: 97.8/60



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.040+/-0.009 χ^2/NDF:131552.5/11

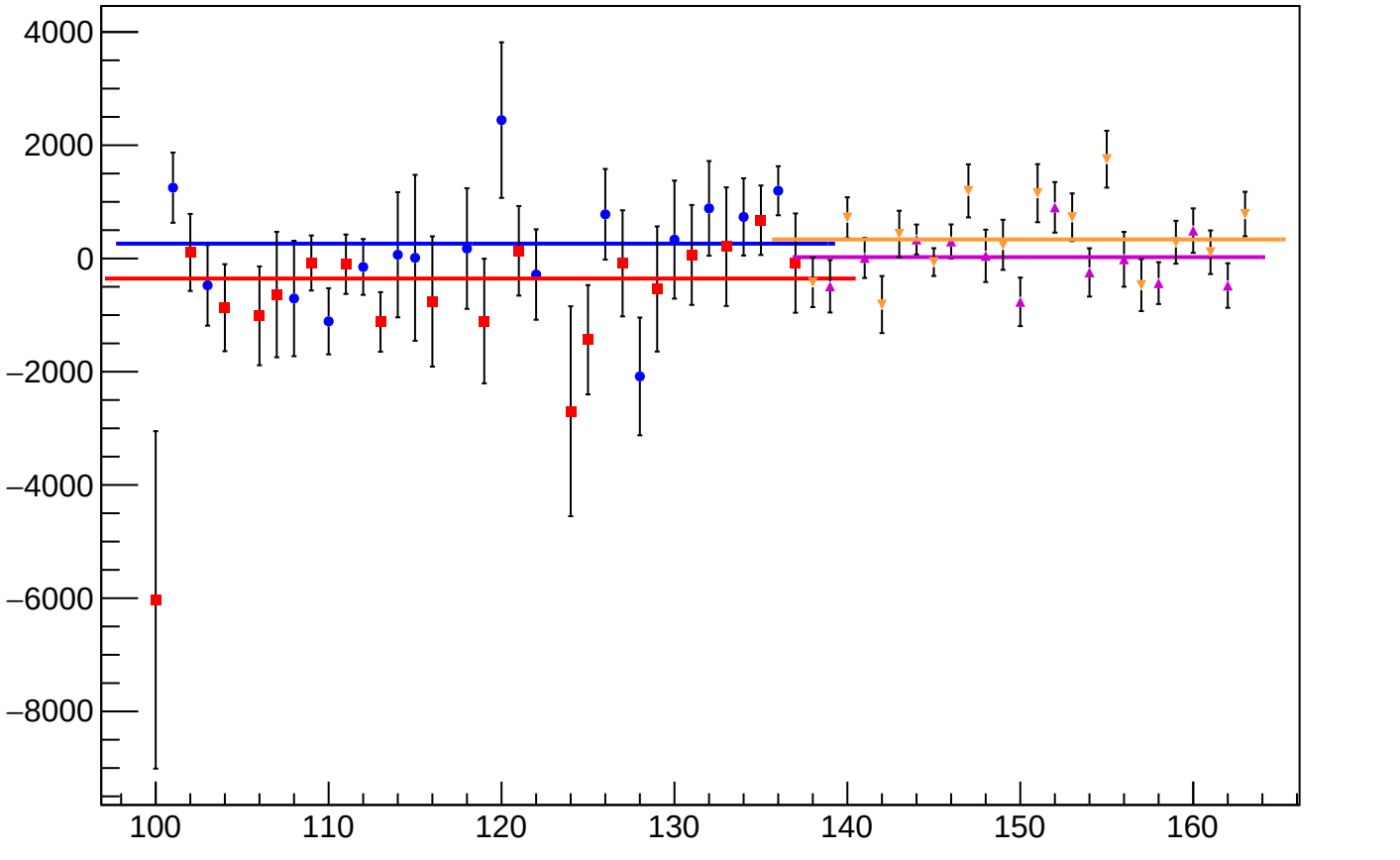
Left: 41.070+/-0.006 χ^2/NDF: 227009.4/25

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.681+/-0.007 χ^2/NDF:726549.8/27

Out: 42.687+/-0.007 χ^2/NDF:732595.1/32

All: 42.684+/-0.005 χ^2/NDF: 1459145.3/60



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 336.239+/-106.929 χ^2/NDF:31.6/13

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 23.197+/-109.776 χ^2/NDF:15.7/11

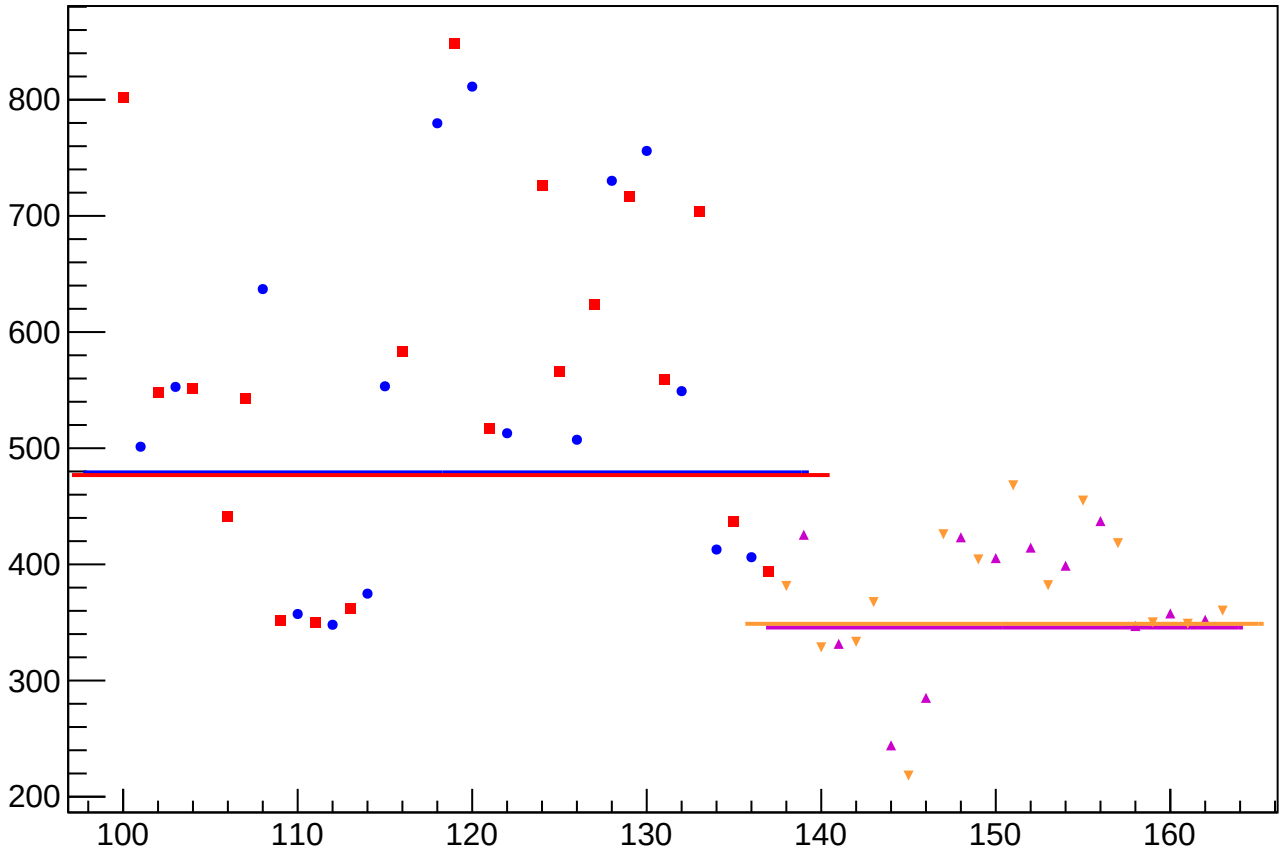
Left: 183.831+/-76.597 χ^2/NDF: 51.5/25

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 85.266+/-94.435 χ^2/NDF:41.9/27

Out: 158.927+/-92.182 χ^2/NDF:57.5/32

All: 122.986+/-65.964 χ^2/NDF: 99.7/60



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 345.663+/-0.078 χ^2/NDF:684333.6/11

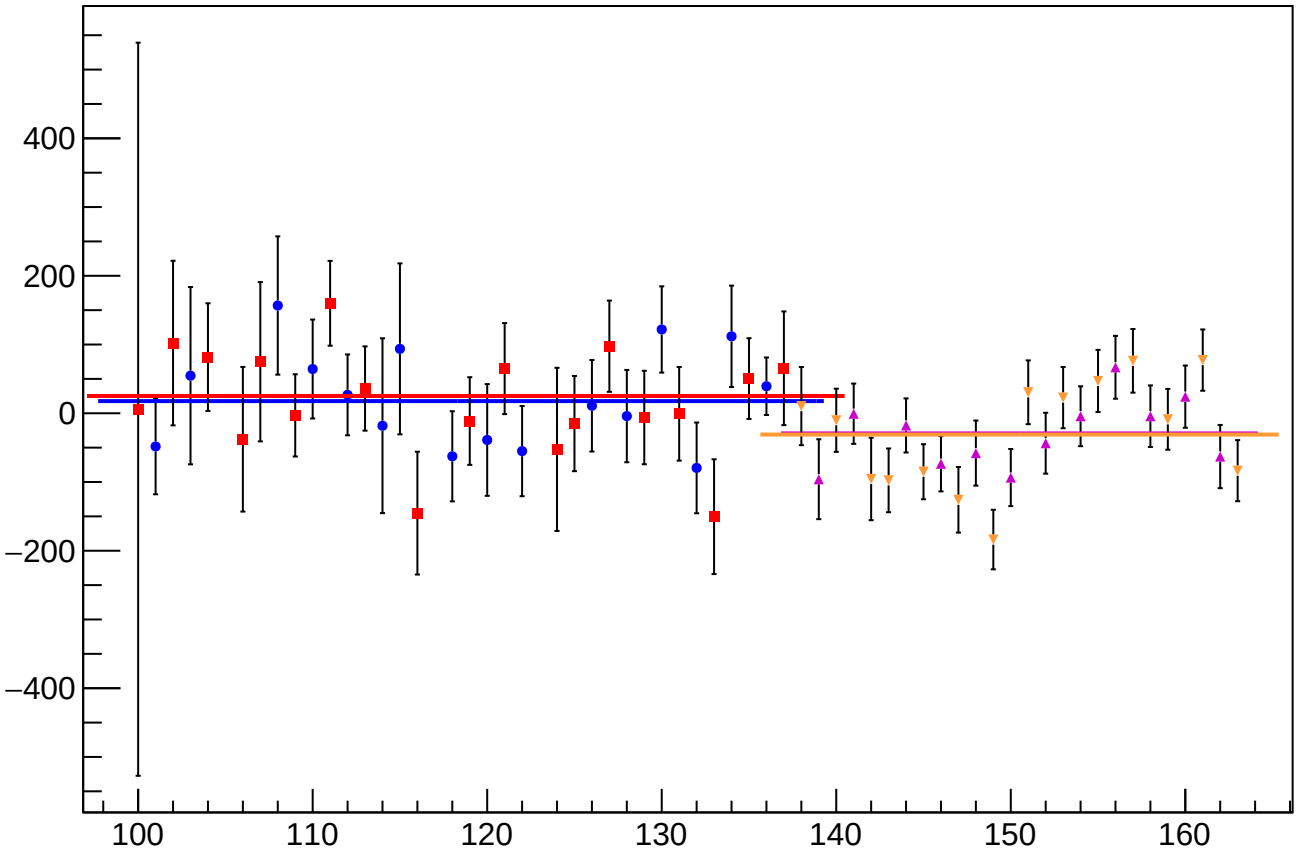
Left: 347.303+/-0.054 χ^2/NDF: 1618032.9/25

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 380.374+/-0.067 χ^2/NDF:2406210.5/27

Out: 381.739+/-0.065 χ^2/NDF:2672982.2/32

All: 381.073+/-0.047 χ^2/NDF: 5079406.7/60



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.972+/-12.340 χ^2/NDF:41.3/13

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -29.306+/-12.823 χ^2/NDF:12.9/11

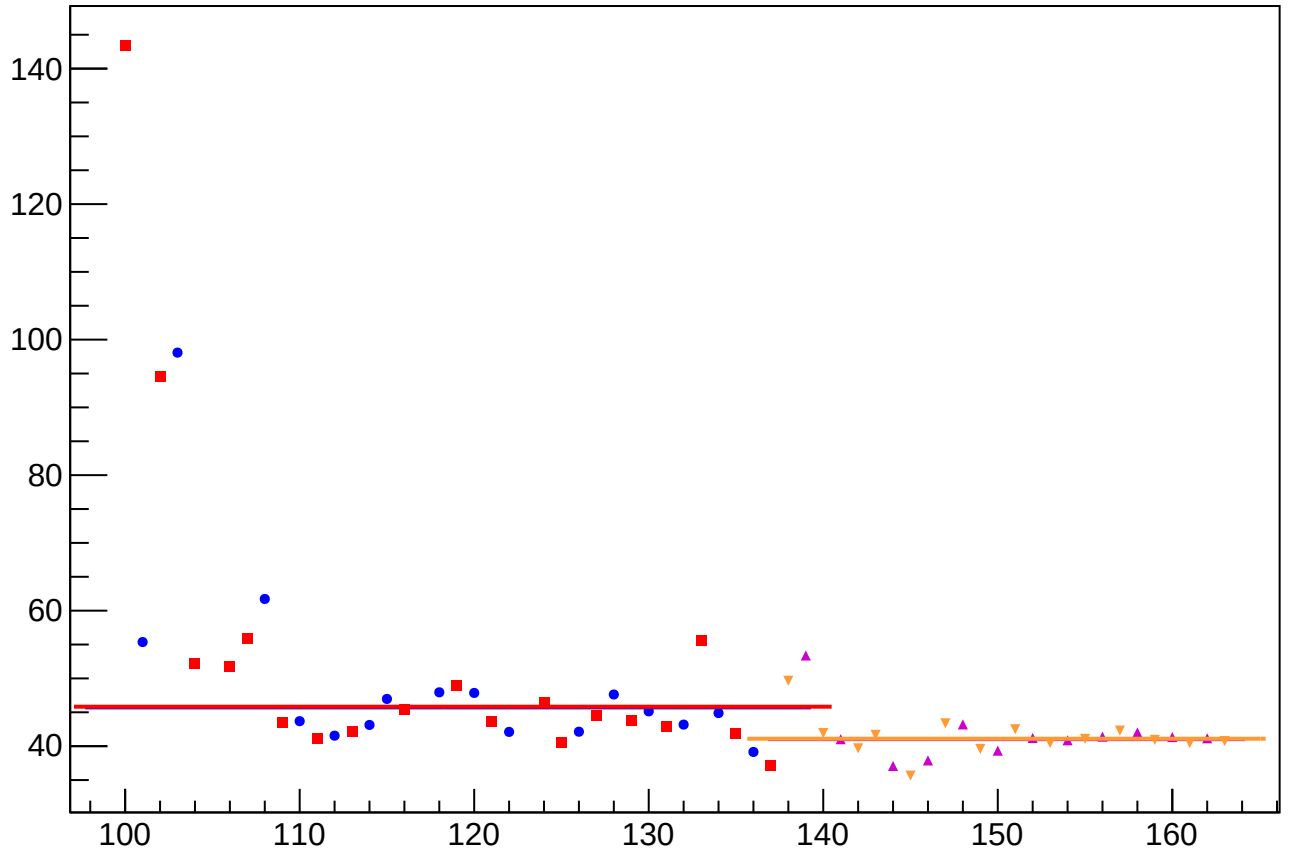
Left: -30.171+/-8.892 χ^2/NDF: 54.2/25

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.846+/-10.337 χ^2/NDF:31.5/27

Out: -12.105+/-10.054 χ^2/NDF:66.2/32

All: -12.465+/-7.207 χ^2/NDF: 97.8/60



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.098+/-0.009 χ^2/NDF:95435.9/13

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 41.040+/-0.009 χ^2/NDF:131552.5/11

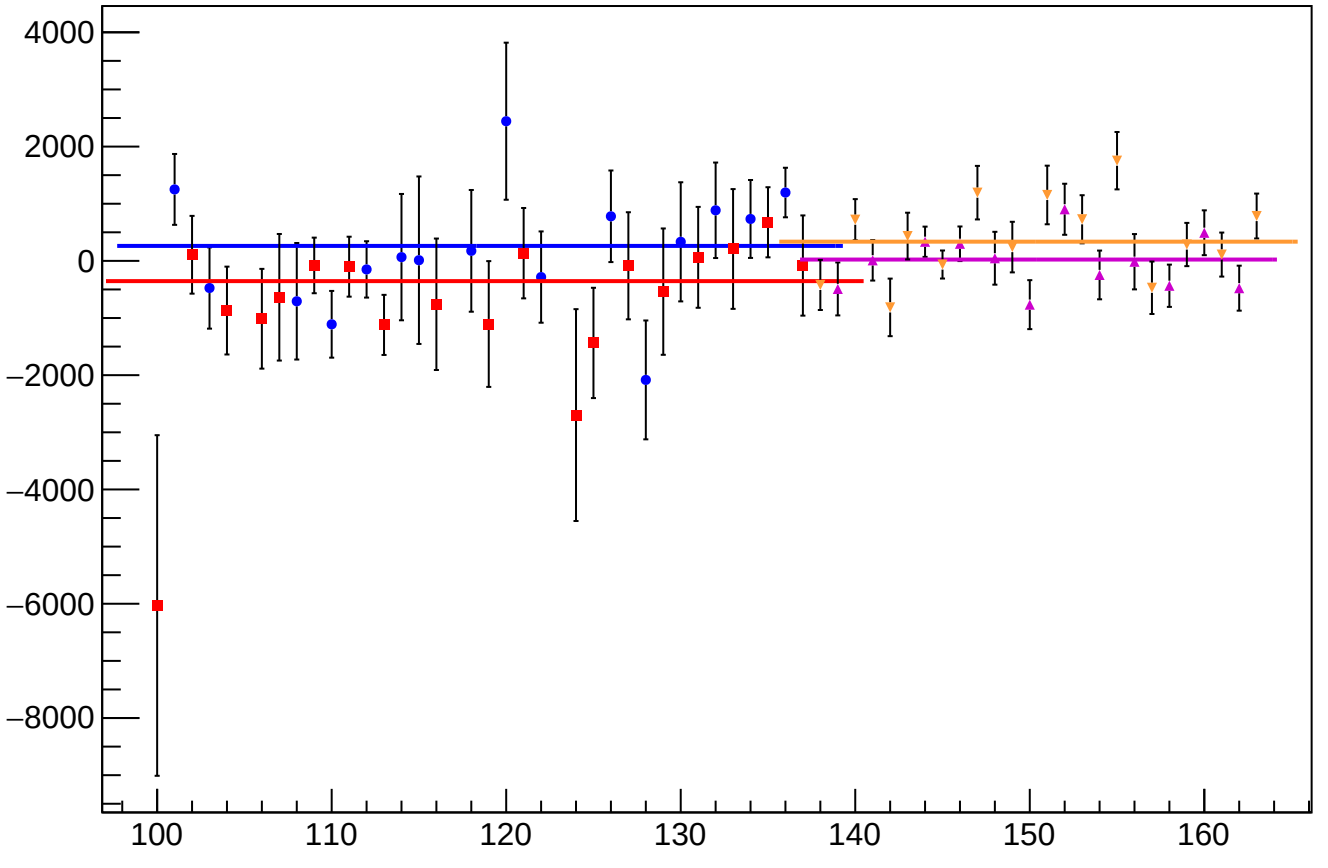
Left: 41.070+/-0.006 χ^2/NDF: 227009.4/25

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 42.681+/-0.007 χ^2/NDF:726549.8/27

Out: 42.687+/-0.007 χ^2/NDF:732595.1/32

All: 42.684+/-0.005 χ^2/NDF: 1459145.3/60



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 336.239+/-106.929 χ^2/NDF:31.6/13

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 23.197+/-109.776 χ^2/NDF:15.7/11

Left: 183.831+/-76.597 χ^2/NDF: 51.5/25

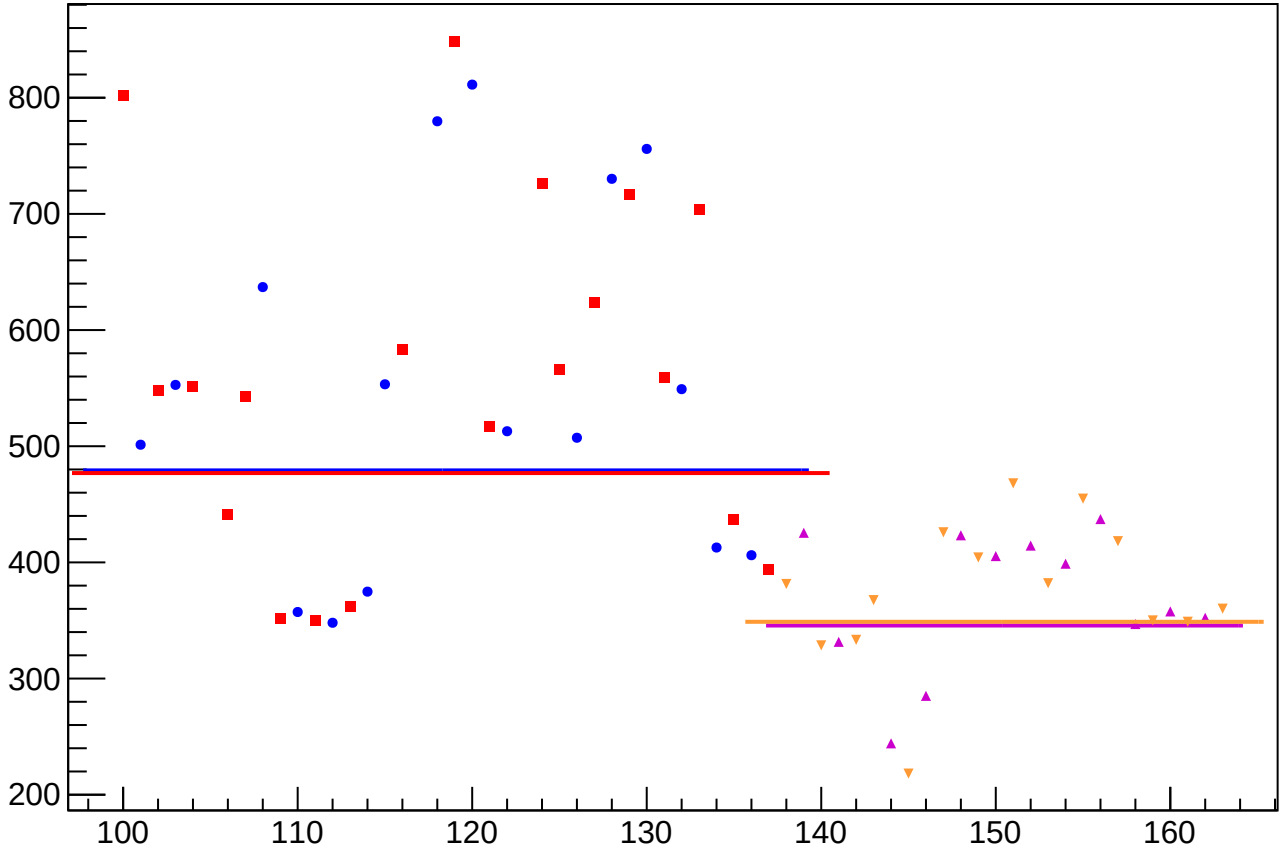
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 85.266+/-94.435 χ^2/NDF:41.9/27

Out: 158.927+/-92.182 χ^2/NDF:57.5/32

All: 122.986+/-65.964 χ^2/NDF: 99.7/60

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 348.859+/-0.076 χ^2/NDF:932829.6/13

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 345.663+/-0.078 χ^2/NDF:684333.6/11

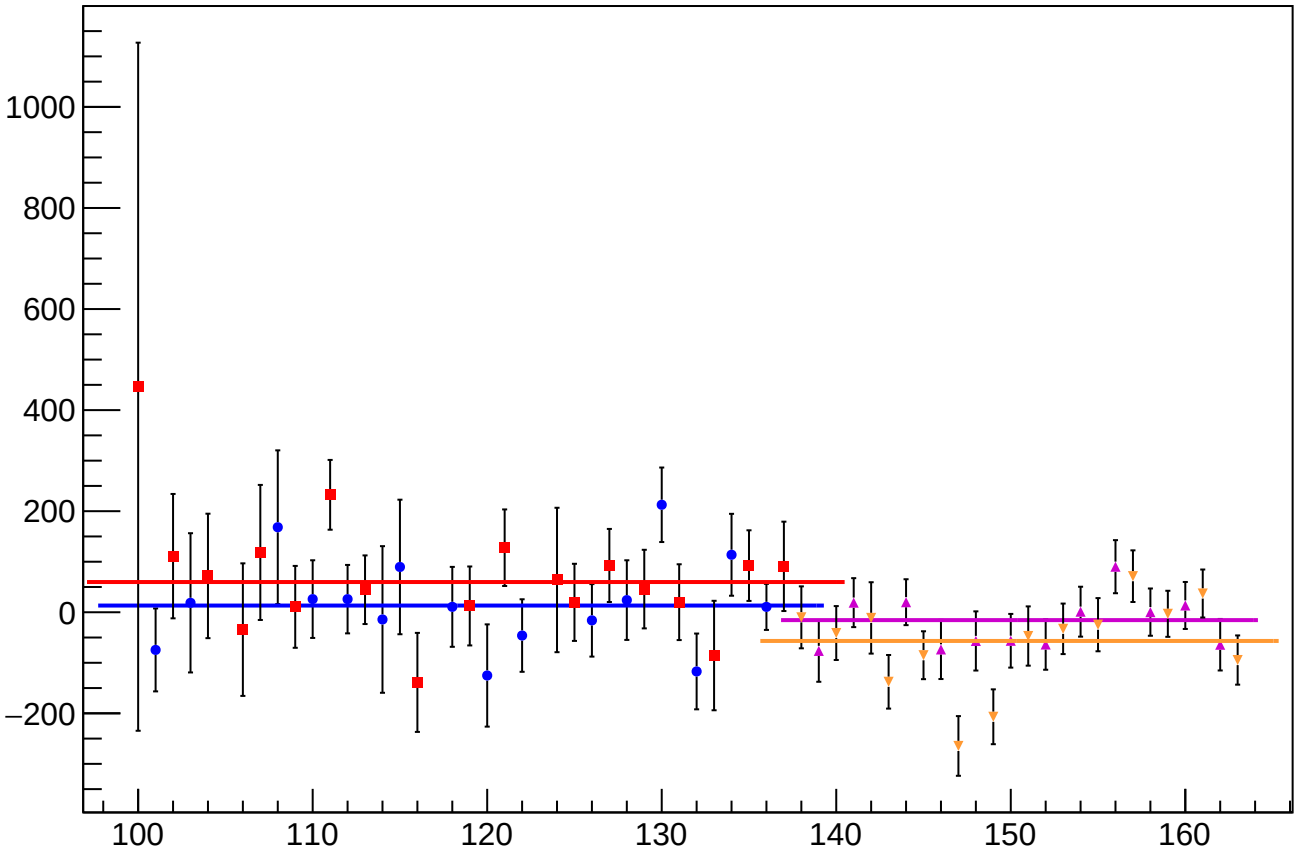
Left: 347.303+/-0.054 χ^2/NDF: 1618032.9/25

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 380.374+/-0.067 χ^2/NDF:2406210.5/27

Out: 381.739+/-0.065 χ^2/NDF:2672982.2/32

All: 381.073+/-0.047 χ^2/NDF: 5079406.7/60



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -56.790+/-14.105 χ^2/NDF:36.6/13

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -15.555+/-14.756 χ^2/NDF:10.7/11

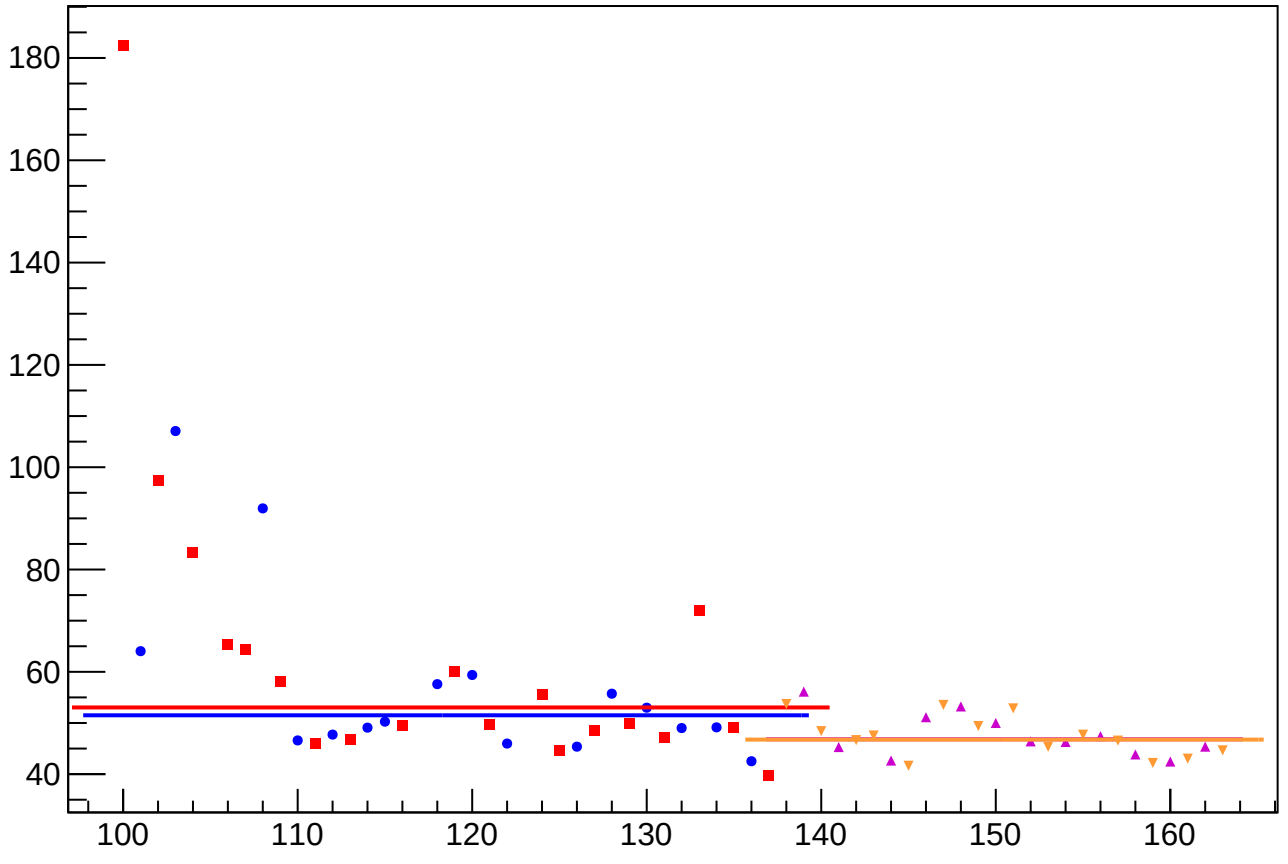
Left: -37.102+/-10.196 χ^2/NDF: 51.4/25

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -5.297+/-11.842 χ^2/NDF:29.3/27

Out: -18.658+/-11.571 χ^2/NDF:75.0/32

All: -12.132+/-8.276 χ^2/NDF: 105.0/60



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 46.753+/-0.010 χ^2/NDF:142562.4/13

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 46.818+/-0.010 χ^2/NDF:135020.1/11

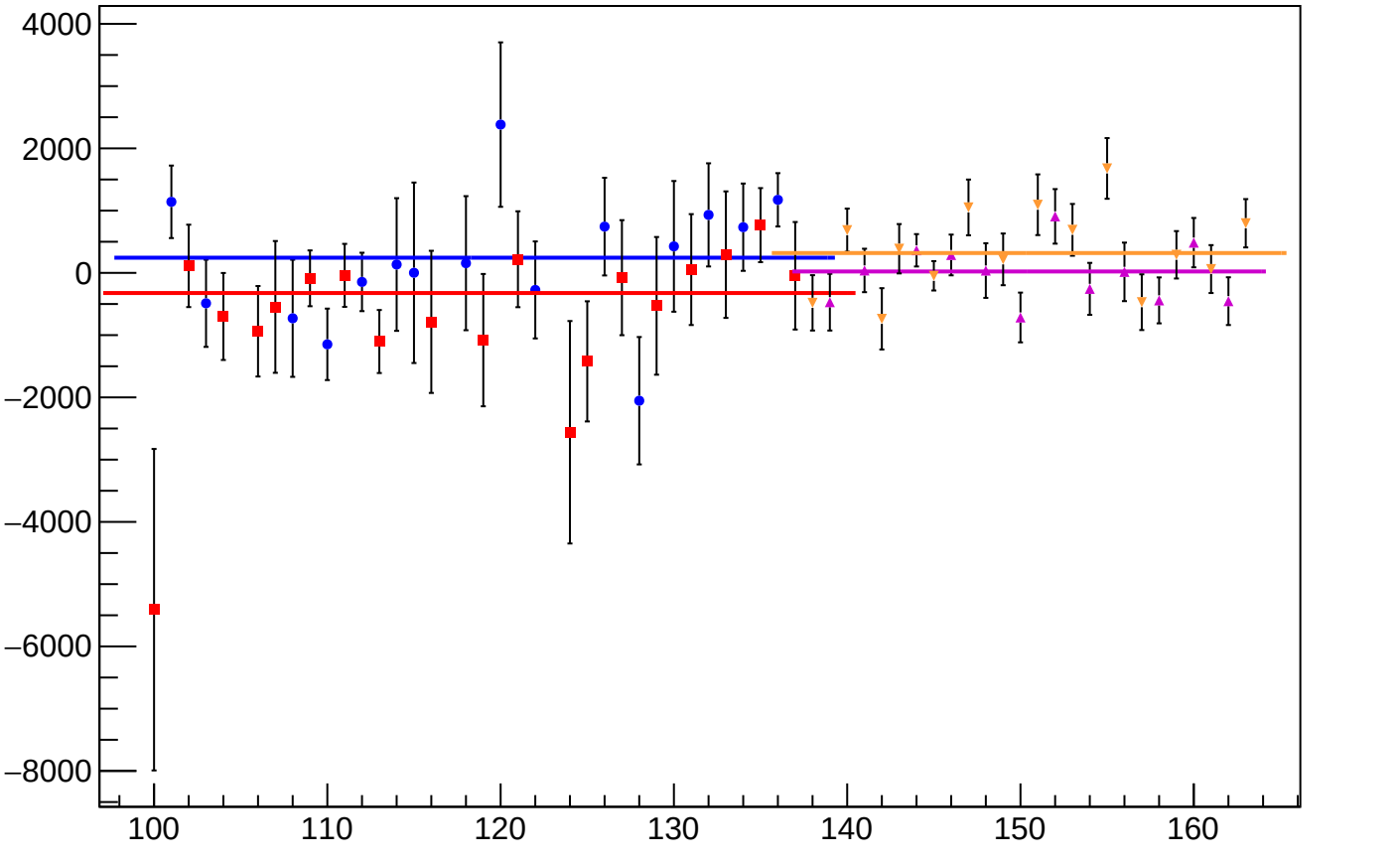
Left: 46.784+/-0.007 χ^2/NDF: 277602.5/25

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 48.486+/-0.008 χ^2/NDF:873930.2/27

Out: 48.808+/-0.008 χ^2/NDF:985297.9/32

All: 48.651+/-0.006 χ^2/NDF: 1859985.0/60



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 318.870+/-104.186 χ^2/NDF:30.3/13

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 22.539+/-108.720 χ^2/NDF:16.0/11

Left: 177.011+/-75.222 χ^2/NDF: 50.2/25

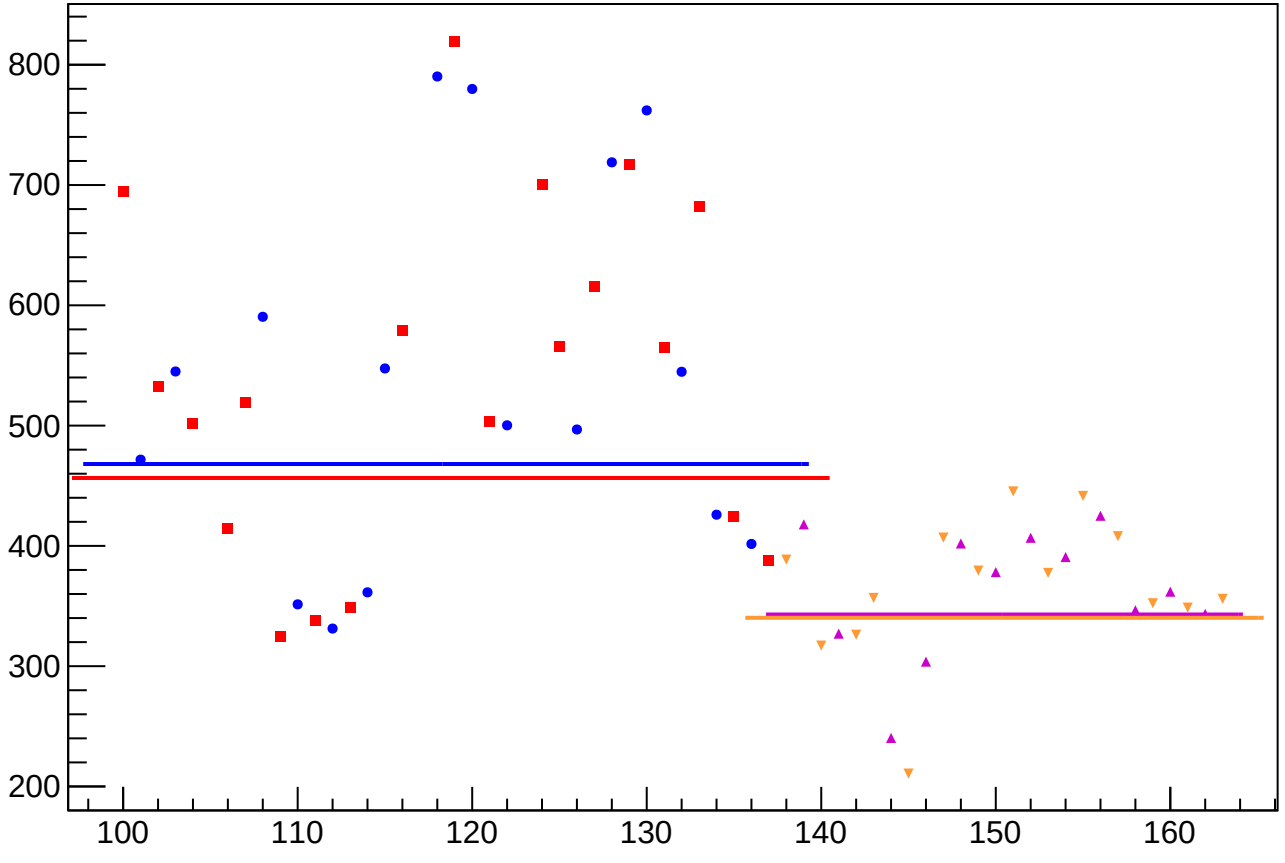
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 81.271+/-93.182 χ^2/NDF:42.7/27

Out: 148.780+/-89.337 χ^2/NDF:56.9/32

All: 116.446+/-64.487 χ^2/NDF: 99.8/60

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: 340.220+/-0.074 χ^2/NDF:950783.9/13

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 342.965+/-0.077 χ^2/NDF:584920.5/11

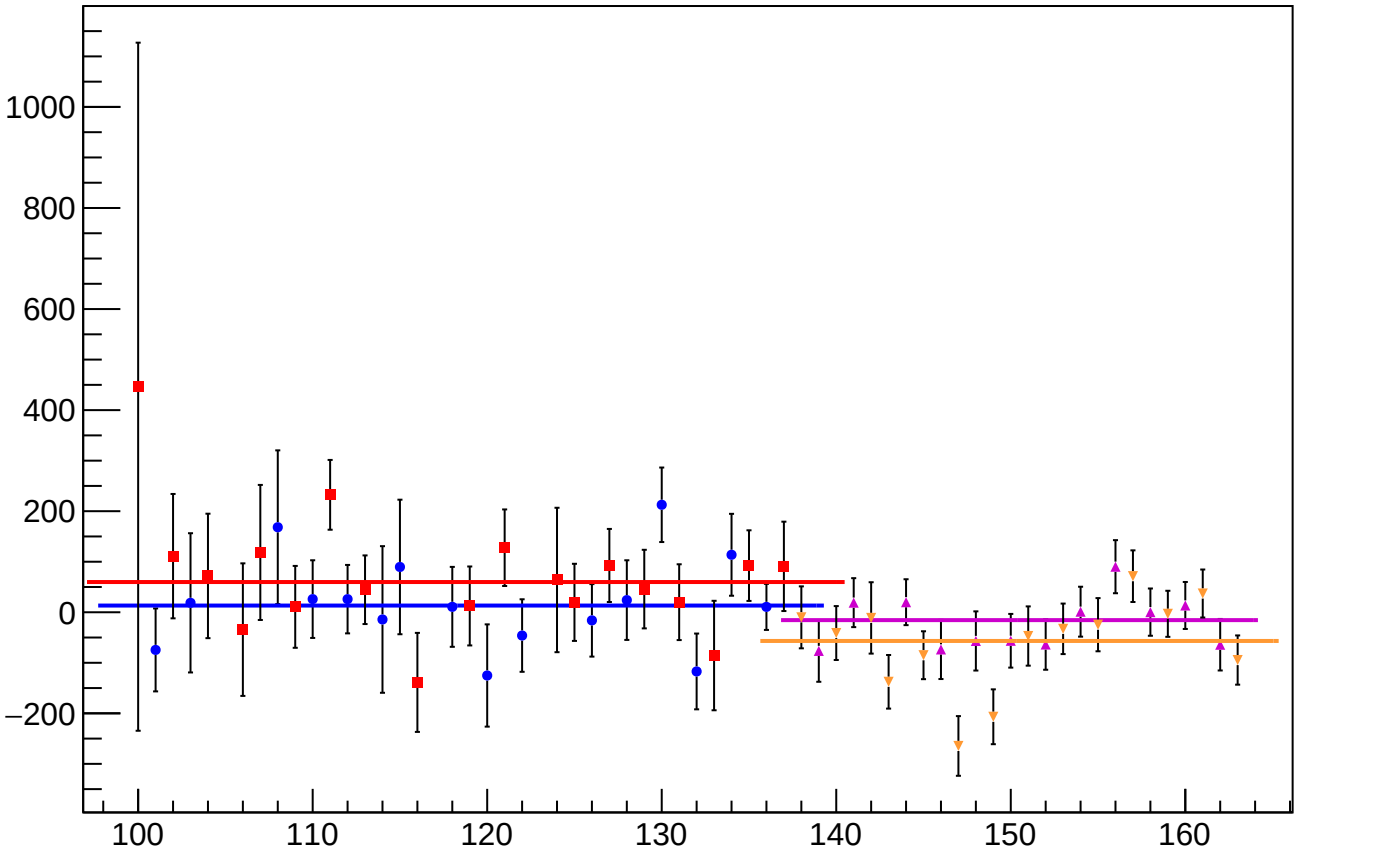
Left: 341.534+/-0.053 χ^2/NDF: 1536368.9/25

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 376.168+/-0.066 χ^2/NDF:2270670.5/27

Out: 370.995+/-0.063 χ^2/NDF:2692508.6/32

All: 373.472+/-0.046 χ^2/NDF: 4966391.0/60



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -56.791+/-14.105 χ^2/NDF:36.6/13

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -15.555+/-14.756 χ^2/NDF:10.7/11

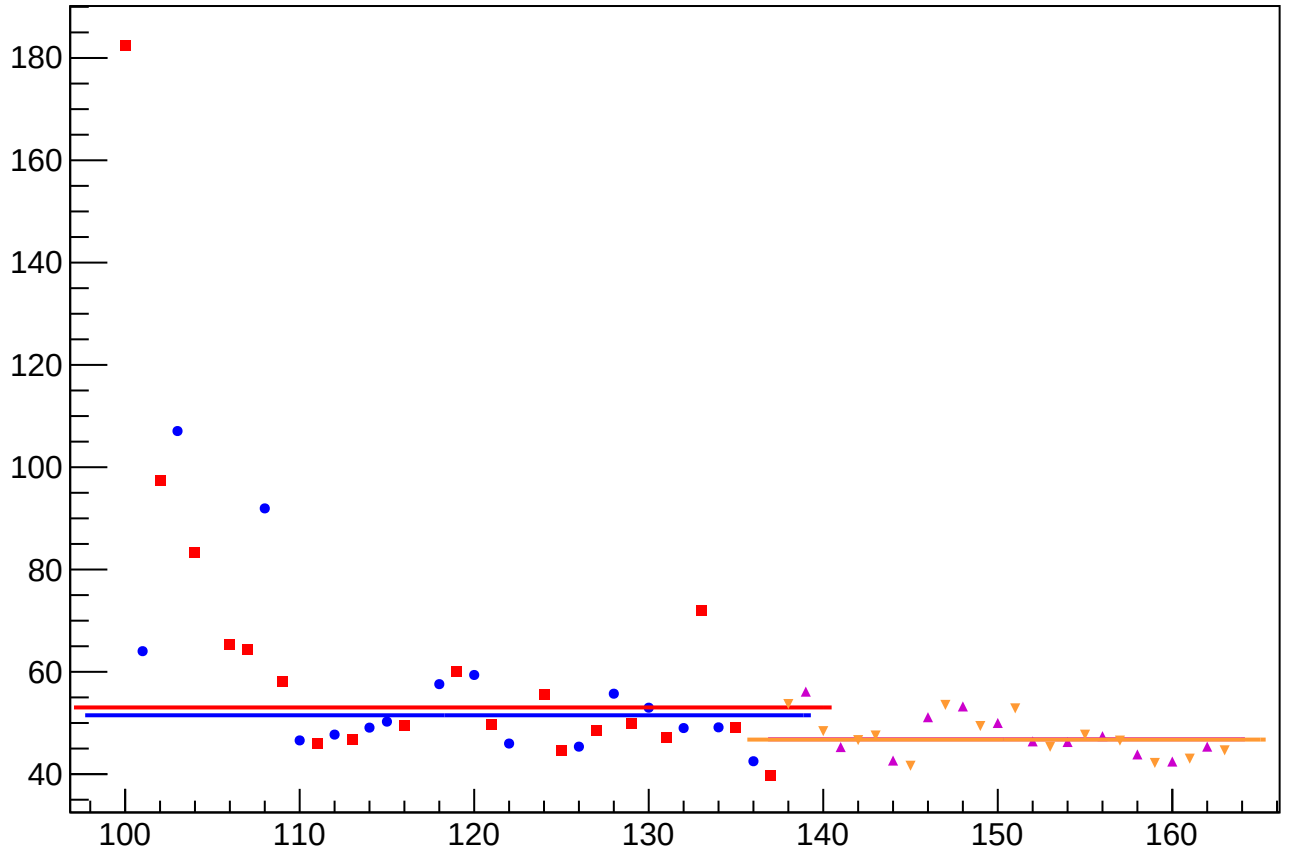
Left: -37.102+/-10.196 χ^2/NDF: 51.4/25

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -5.297+/-11.842 χ^2/NDF:29.3/27

Out: -18.658+/-11.571 χ^2/NDF:75.0/32

All: -12.132+/-8.276 χ^2/NDF: 105.0/60



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 46.753+/-0.010 χ^2/NDF:142565.1/13

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 46.818+/-0.010 χ^2/NDF:135021.1/11

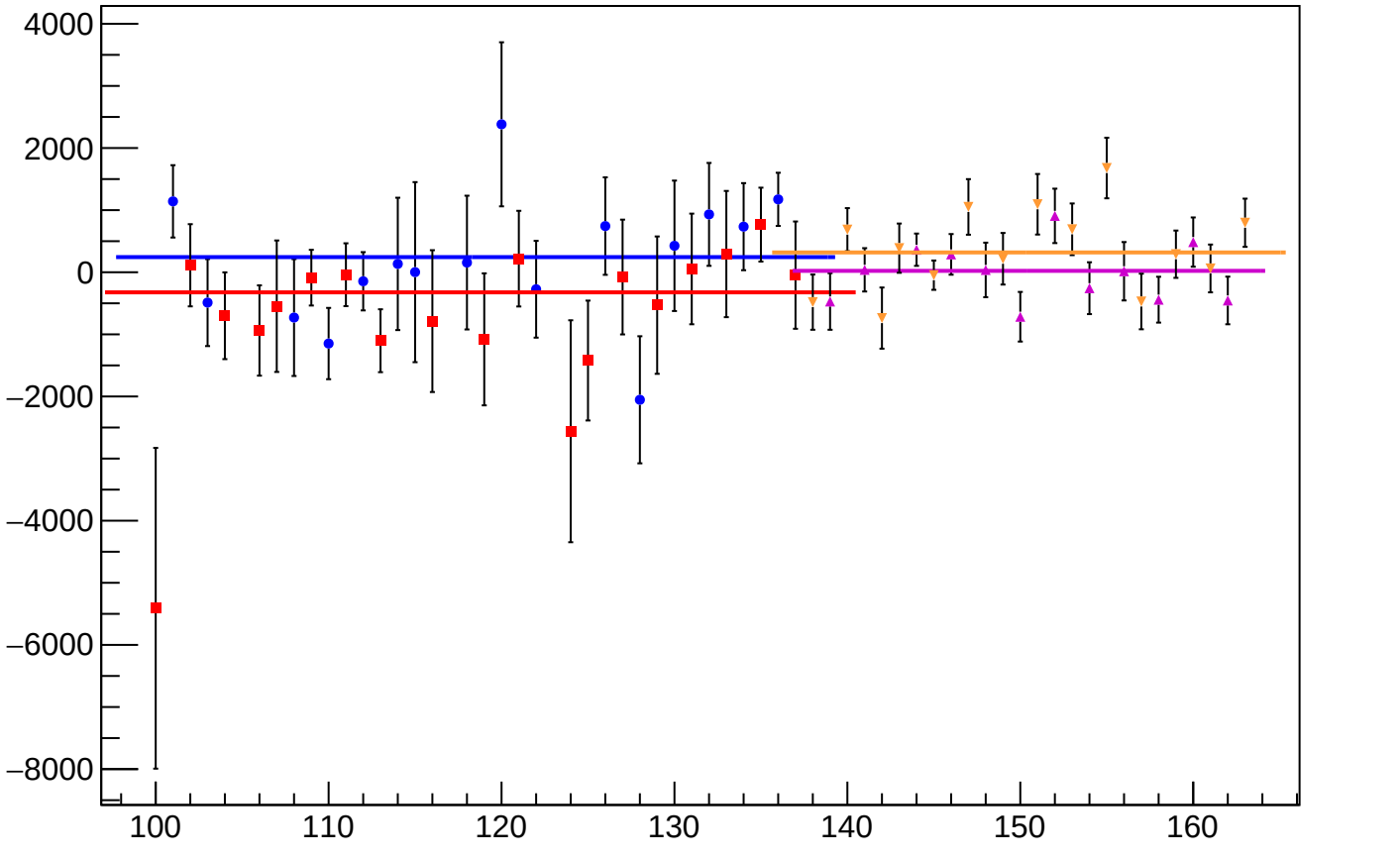
Left: 46.784+/-0.007 χ^2/NDF: 277606.1/25

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 48.486+/-0.008 χ^2/NDF:873936.2/27

Out: 48.808+/-0.008 χ^2/NDF:985309.9/32

All: 48.651+/-0.006 χ^2/NDF: 1860003.1/60



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 318.870+/-104.186 χ^2/NDF:30.3/13

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 22.539+/-108.720 χ^2/NDF:16.0/11

Left: 177.011+/-75.222 χ^2/NDF: 50.2/25

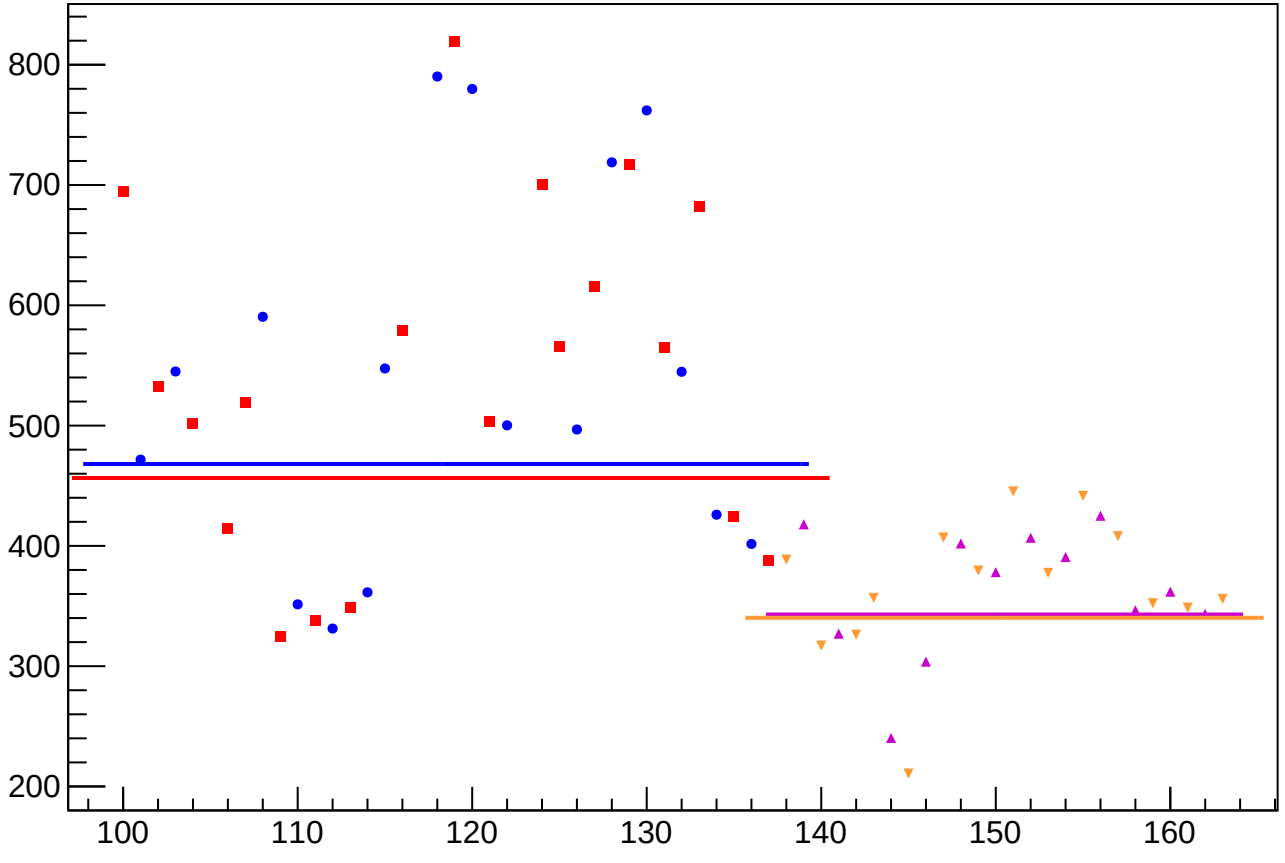
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 81.271+/-93.182 χ^2/NDF:42.7/27

Out: 148.779+/-89.337 χ^2/NDF:56.9/32

All: 116.446+/-64.487 χ^2/NDF: 99.8/60

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: 340.220+/-0.074 χ^2/NDF:950788.4/13

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 342.965+/-0.077 χ^2/NDF:584921.9/11

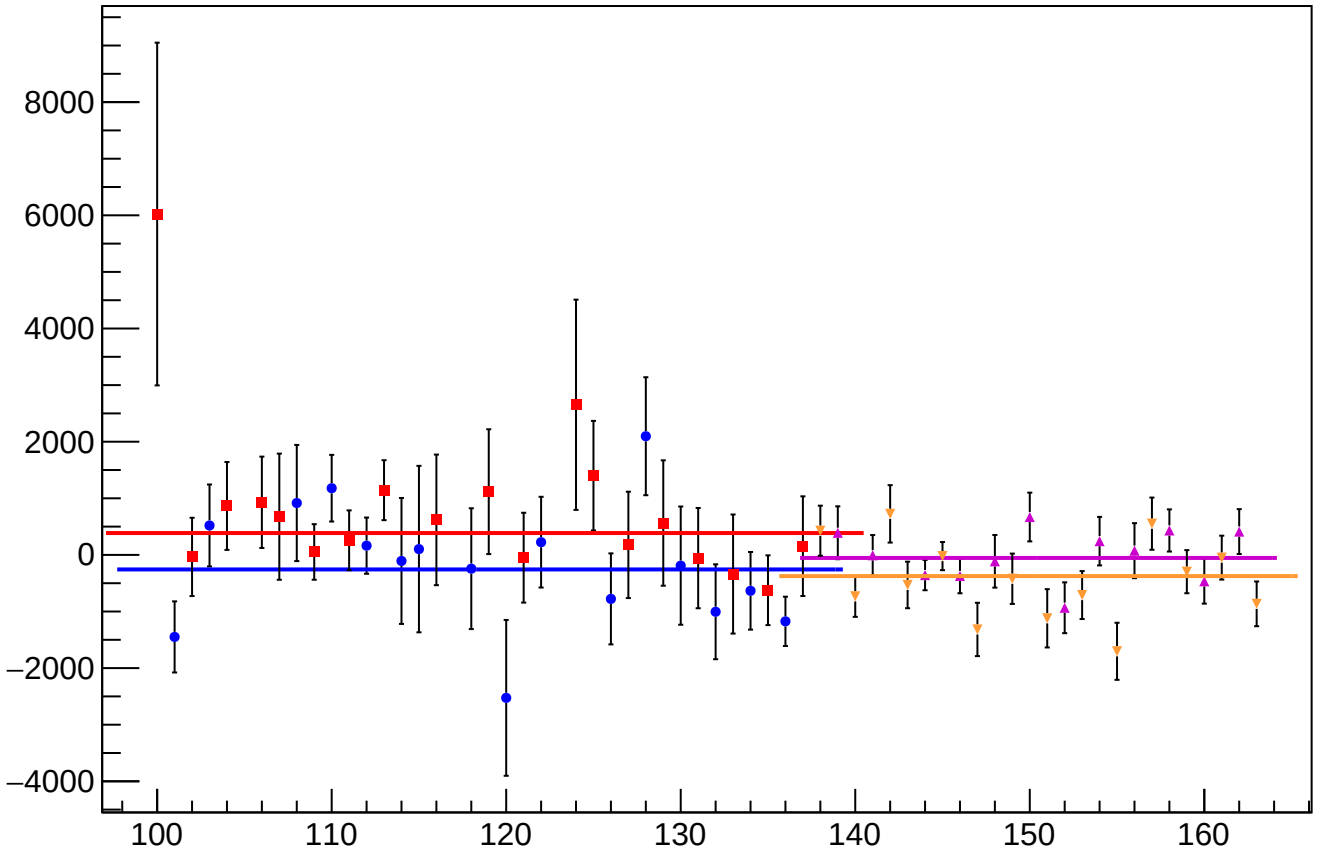
Left: 341.534+/-0.053 χ^2/NDF: 1536375.0/25

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 376.168+/-0.066 χ^2/NDF:2270664.5/27

Out: 370.994+/-0.063 χ^2/NDF:2692503.8/32

All: 373.472+/-0.046 χ^2/NDF: 4966380.3/60



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -374.552+/-107.746 χ^2/NDF:31.1/13

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -53.455+/-110.618 χ^2/NDF:14.7/11

Left: -218.225+/-77.183 χ^2/NDF: 50.1/25

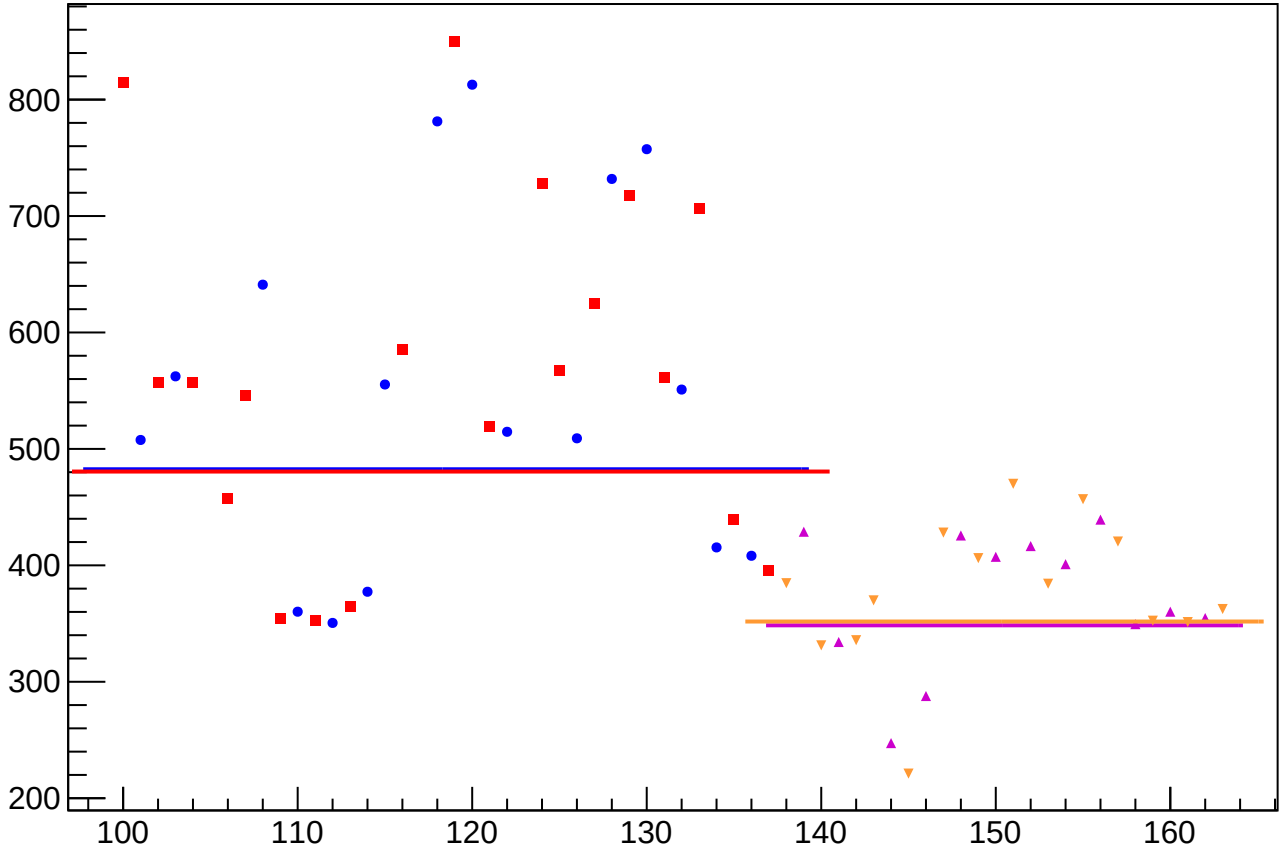
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -106.377+/-95.136 χ^2/NDF:42.5/27

Out: -177.638+/-92.765 χ^2/NDF:58.3/32

All: -142.907+/-66.417 χ^2/NDF: 101.0/60

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 351.751+/-0.076 χ^2/NDF:907144.2/13

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 348.492+/-0.078 χ^2/NDF:667106.1/11

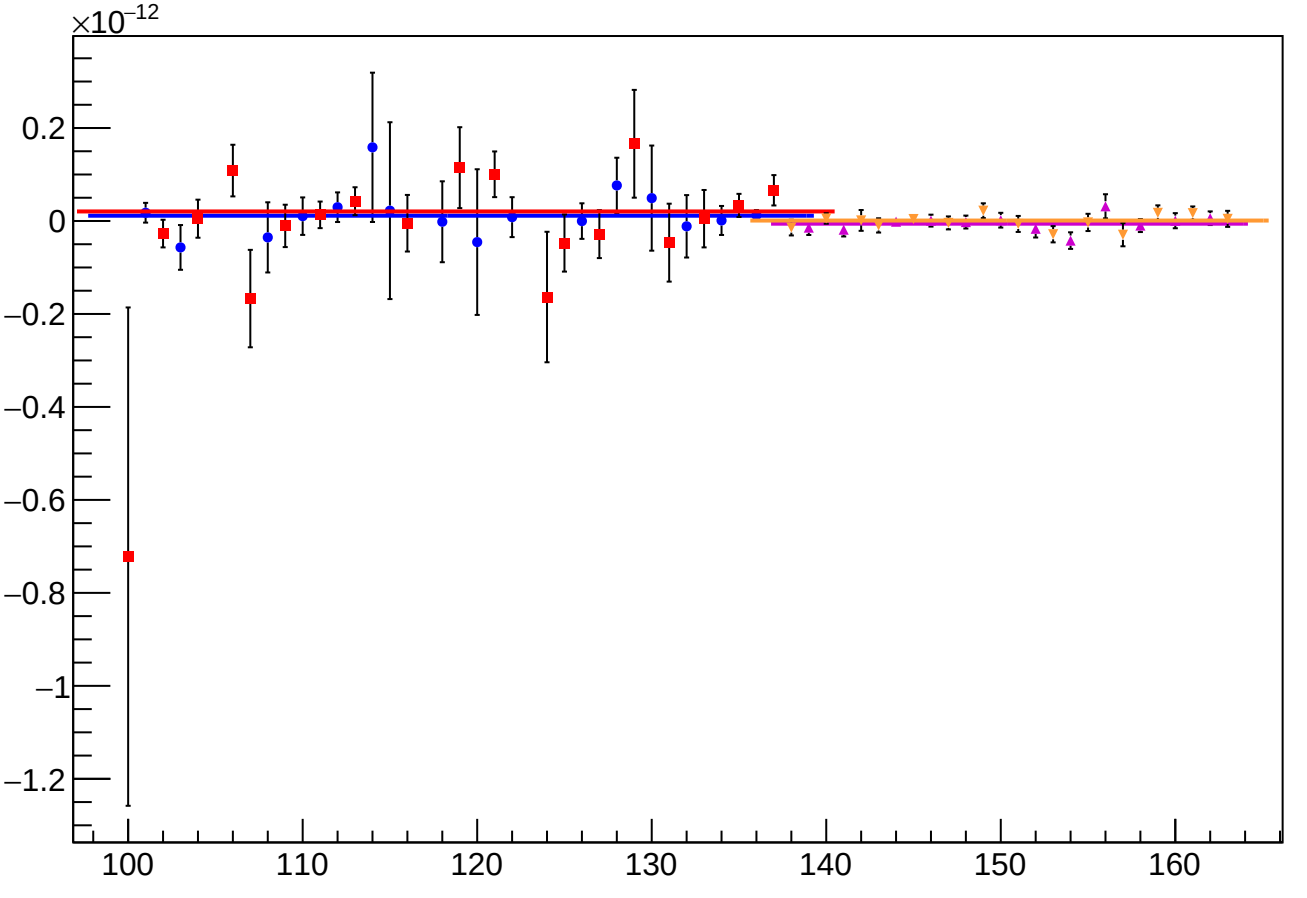
Left: 350.164+/-0.055 χ^2/NDF: 1575140.8/25

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 383.381+/-0.067 χ^2/NDF:2377875.8/27

Out: 385.081+/-0.066 χ^2/NDF:2640557.6/32

All: 384.252+/-0.047 χ^2/NDF: 5018760.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/11

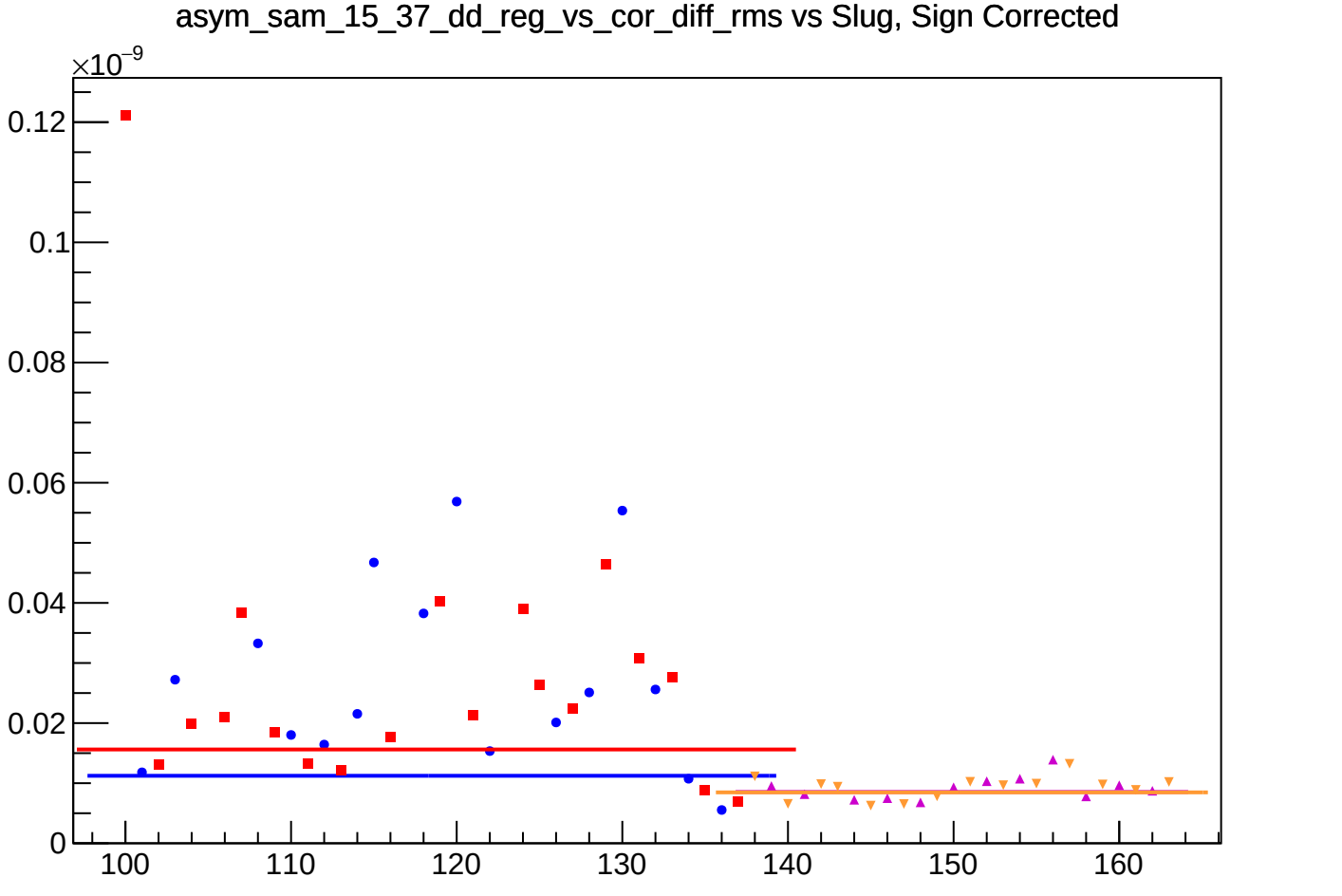
Left: -0.000+/-0.000 χ^2/NDF: 20.9/25

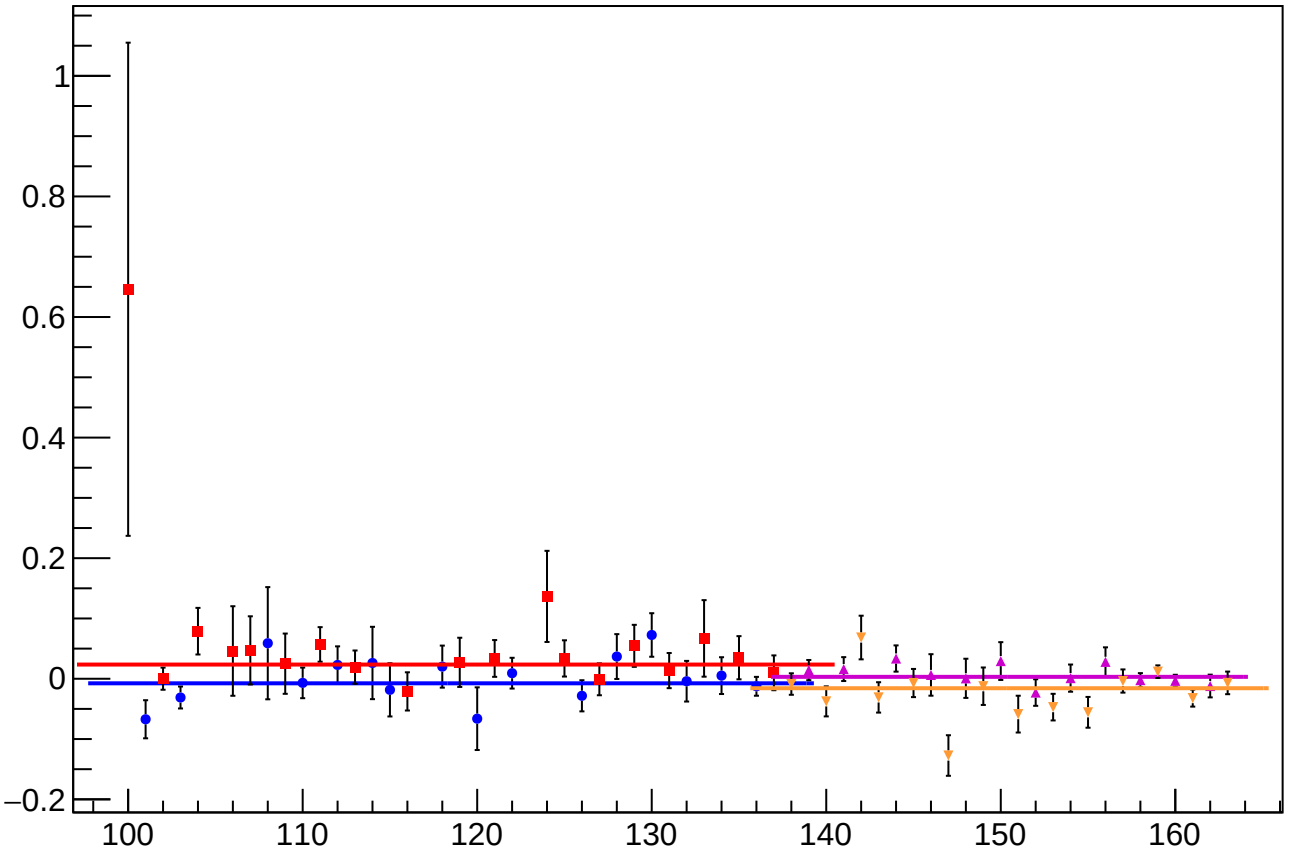
Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:18.3/27

Out: 0.000+/-0.000 χ^2/NDF:37.2/32

All: 0.000+/-0.000 χ^2/NDF: 56.5/60


asym_sam_15_37_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:417564.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:237664.8/11
Left: 0.000+/-0.000 χ²/NDF: 655490.4/25
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:2516546.4/27
Out: 0.000+/-0.000 χ²/NDF:2438990.1/32
All: 0.000+/-0.000 χ²/NDF: 4961640.6/60



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:7.3/11

Left: -0.006+/-0.004 χ^2/NDF: 46.8/25

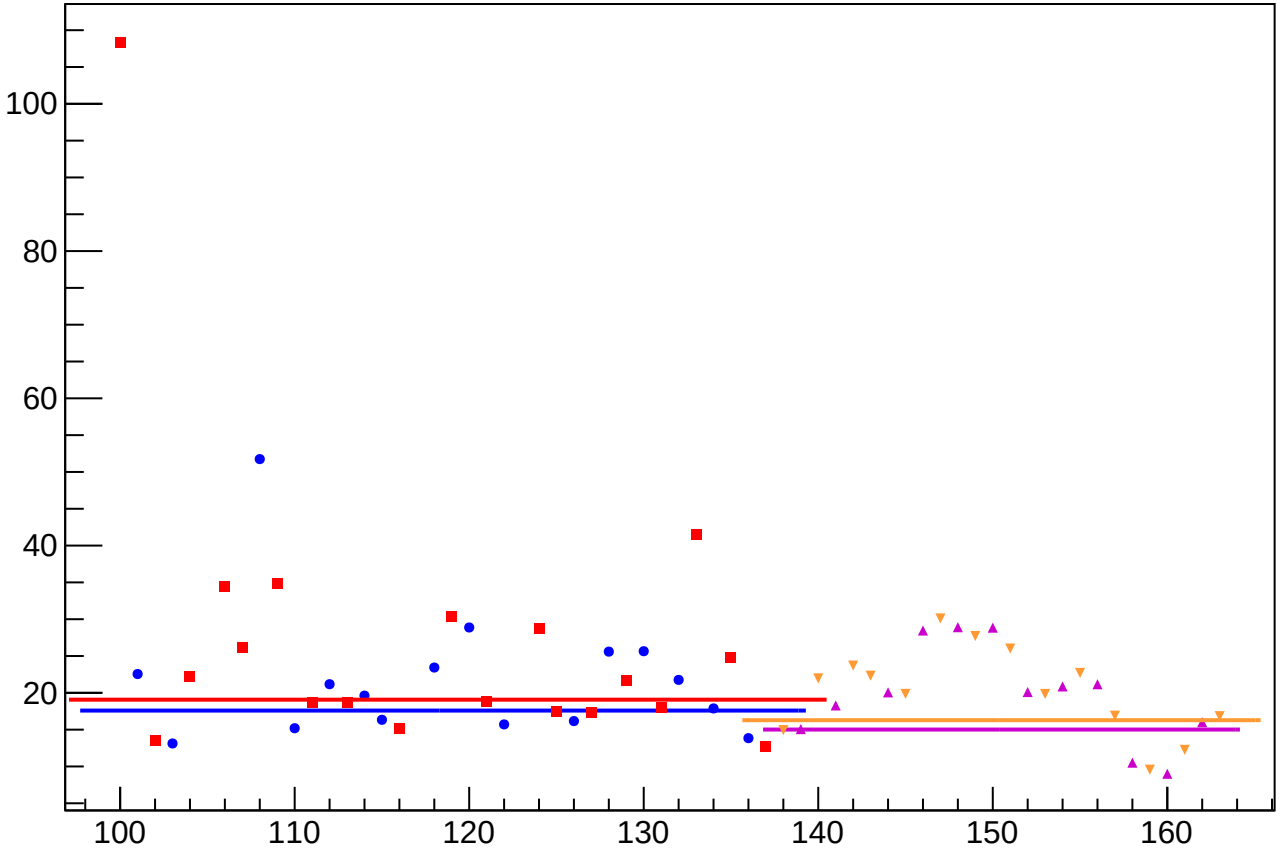
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:25.5/27

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 90.8/60

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 16.283+/-0.004 χ^2/NDF:2341706.8/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.014+/-0.004 χ^2/NDF:2621761.7/11

Left: 15.633+/-0.003 χ^2/NDF: 5021550.1/25

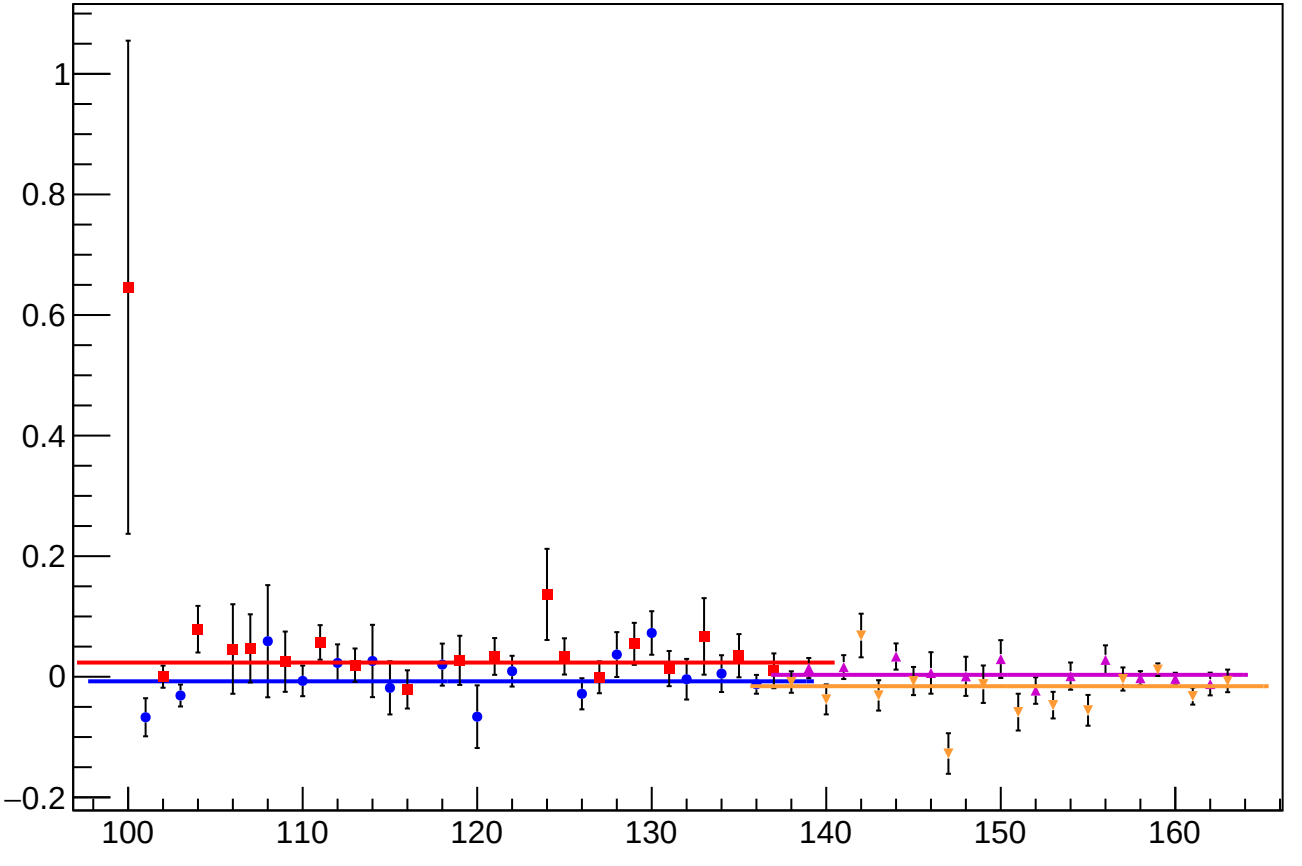
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.898+/-0.003 χ^2/NDF:3783374.5/27

Out: 17.180+/-0.003 χ^2/NDF:3765703.9/32

All: 16.513+/-0.002 χ^2/NDF: 7637824.3/60

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:7.3/11

Left: -0.006+/-0.004 χ^2/NDF: 46.8/25

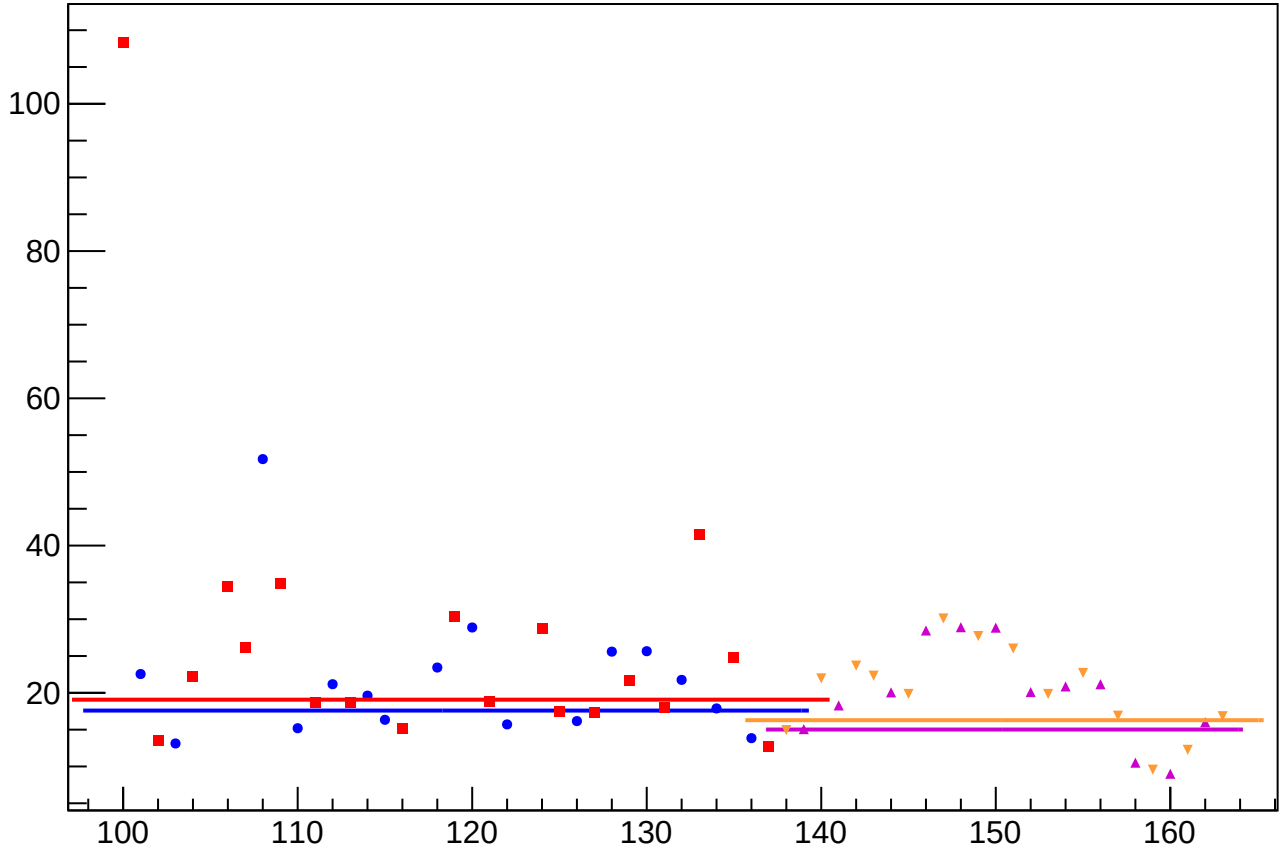
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:25.5/27

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 90.8/60

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: 16.283+/-0.004 χ^2/NDF:2341706.8/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.014+/-0.004 χ^2/NDF:2621761.7/11

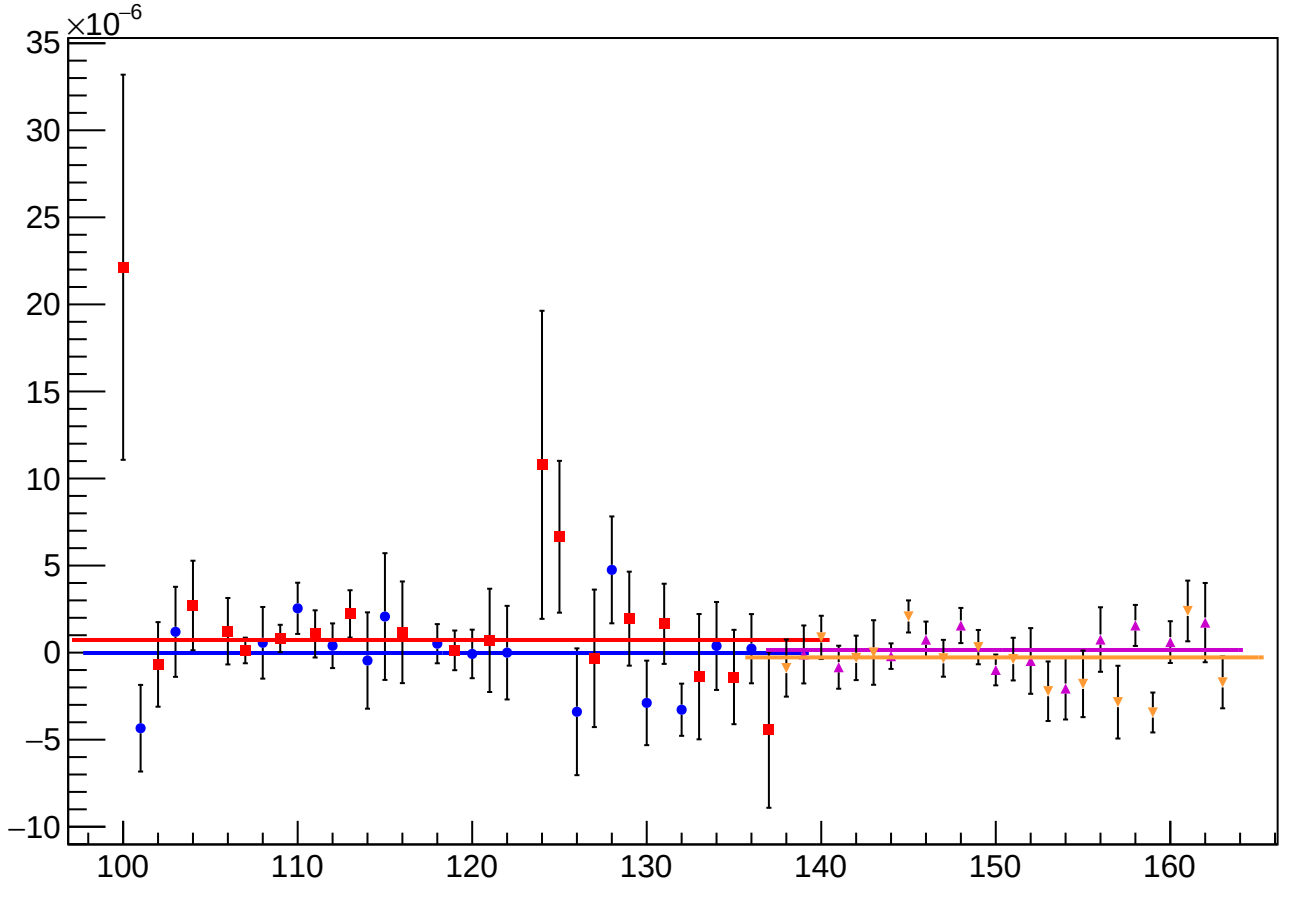
Left: 15.633+/-0.003 χ^2/NDF: 5021550.1/25

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.898+/-0.003 χ^2/NDF:3783374.5/27

Out: 17.180+/-0.003 χ^2/NDF:3765703.9/32

All: 16.513+/-0.002 χ^2/NDF: 7637824.3/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.7/11

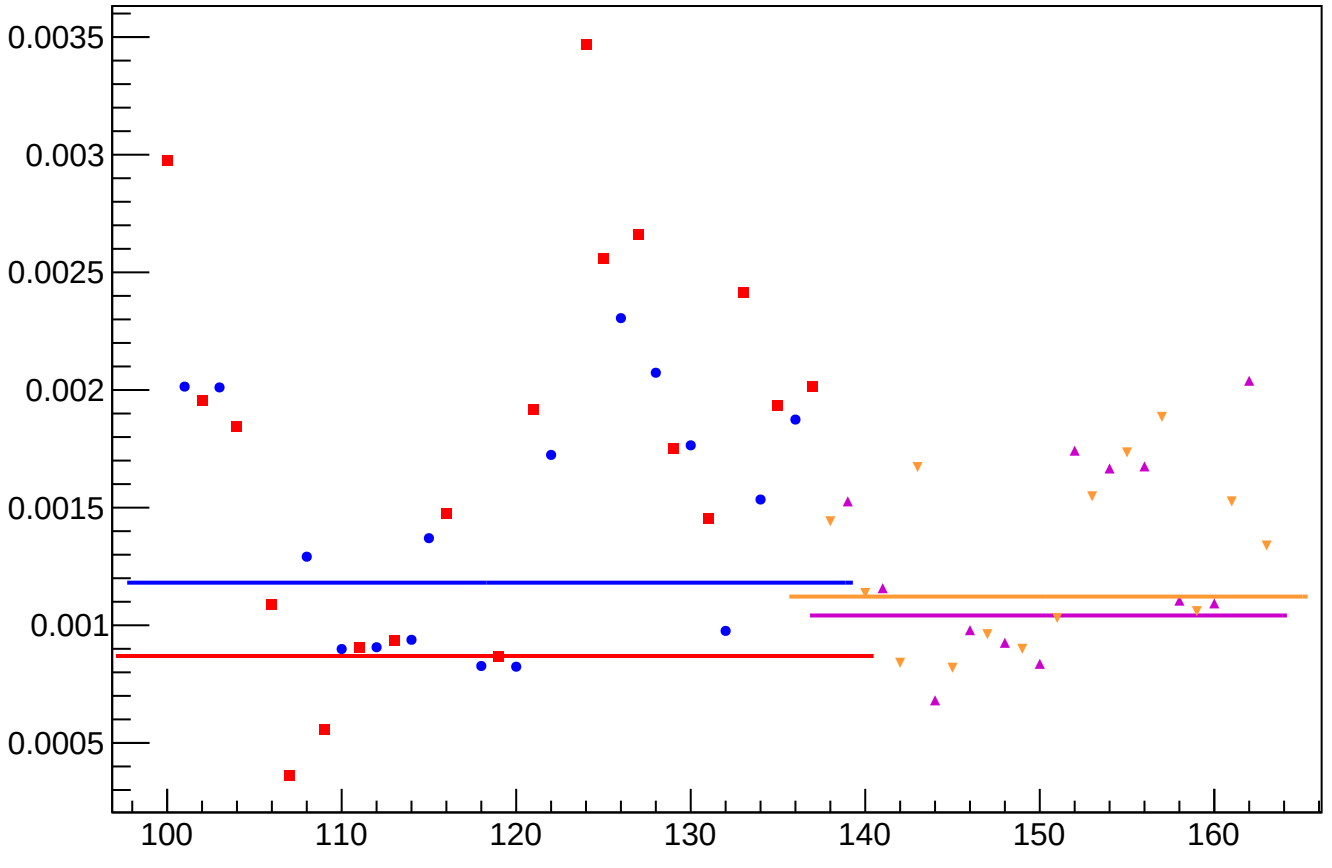
Left: -0.000+/-0.000 χ^2/NDF: 31.7/25

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:25.2/27

Out: 0.000+/-0.000 χ^2/NDF:38.8/32

All: 0.000+/-0.000 χ^2/NDF: 64.1/60



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1476701.8/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:1962421.0/11

Left: 0.001+/-0.000 χ^2/NDF: 3492688.9/25

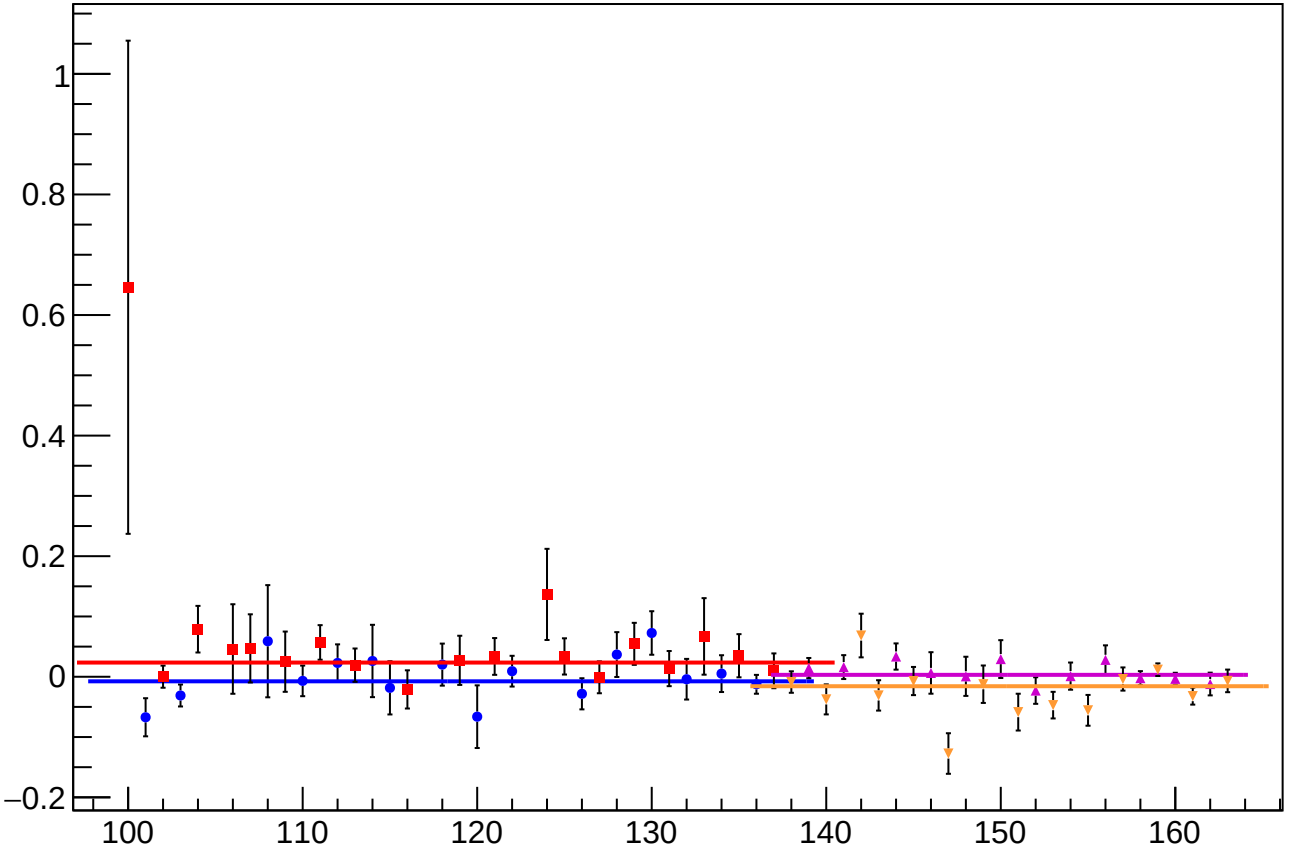
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3904971.2/27

Out: 0.001+/-0.000 χ^2/NDF:6385979.4/32

All: 0.001+/-0.000 χ^2/NDF: 10388666.9/60

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:7.3/11

Left: -0.006+/-0.004 χ^2/NDF: 46.8/25

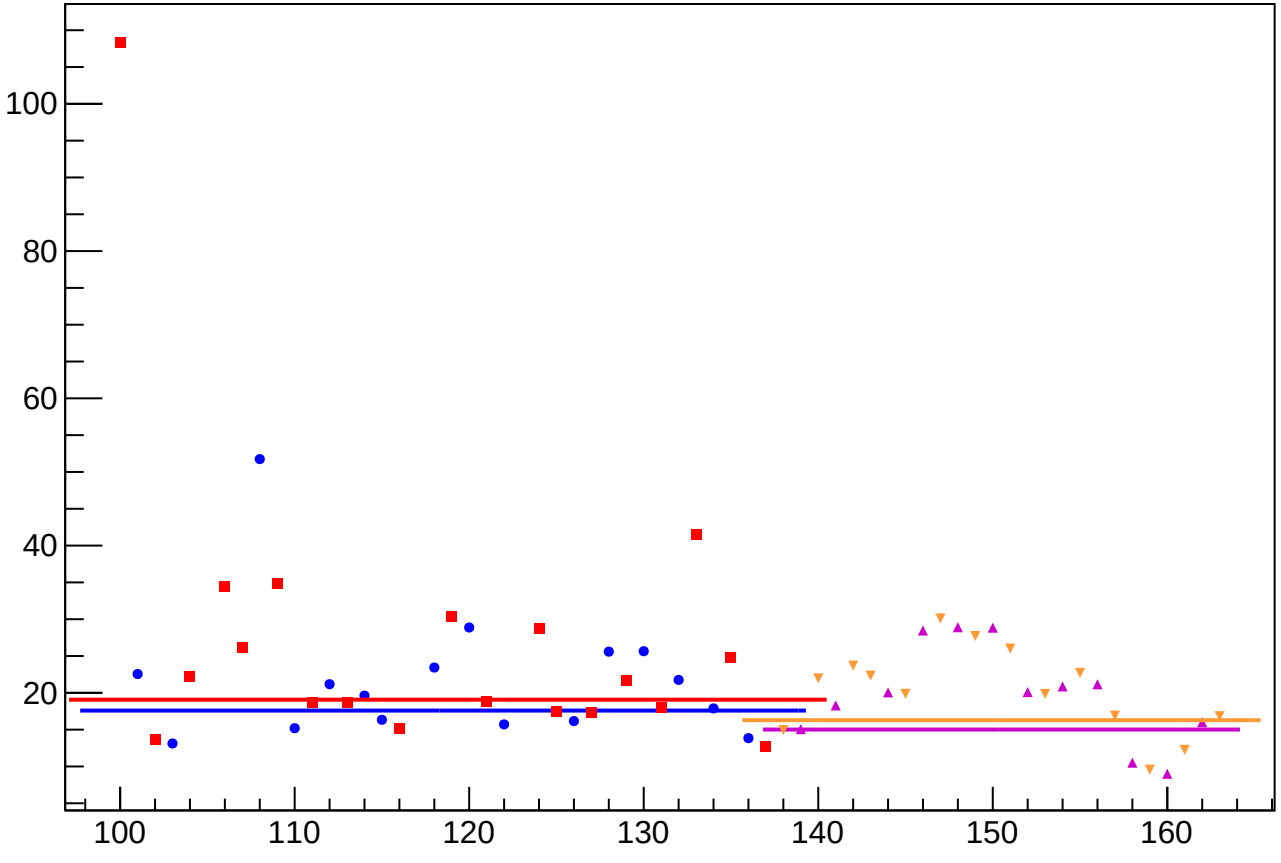
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:25.5/27

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 90.8/60

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: 16.283+/-0.004 χ^2/NDF:2341998.5/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.014+/-0.004 χ^2/NDF:2622086.1/11

Left: 15.633+/-0.003 χ^2/NDF: 5022181.0/25

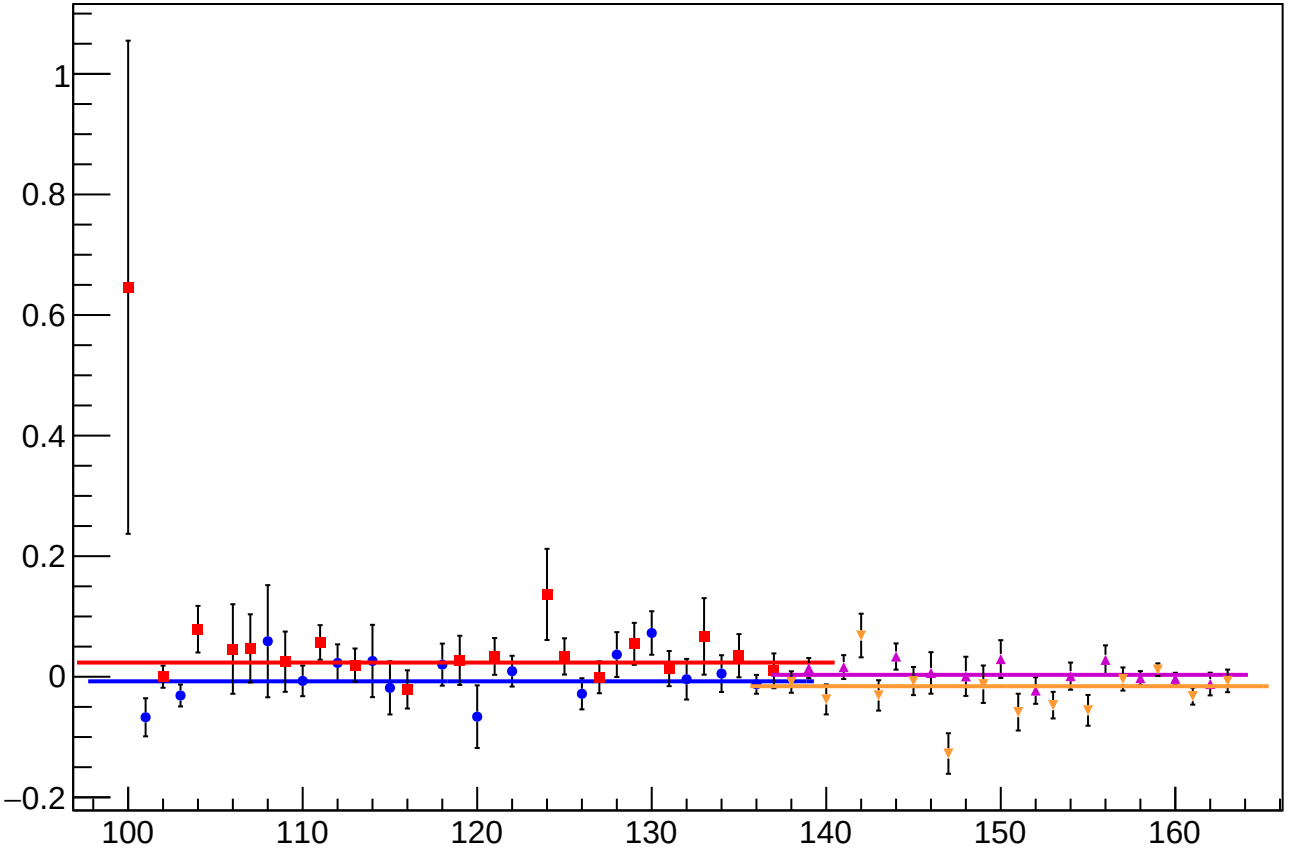
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.897+/-0.003 χ^2/NDF:3783808.2/27

Out: 17.180+/-0.003 χ^2/NDF:3766001.6/32

All: 16.512+/-0.002 χ^2/NDF: 7638581.3/60

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.016+/-0.005 χ^2/NDF:33.1/13

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.003+/-0.005 χ^2/NDF:7.3/11

Left: -0.006+/-0.004 χ^2/NDF: 46.8/25

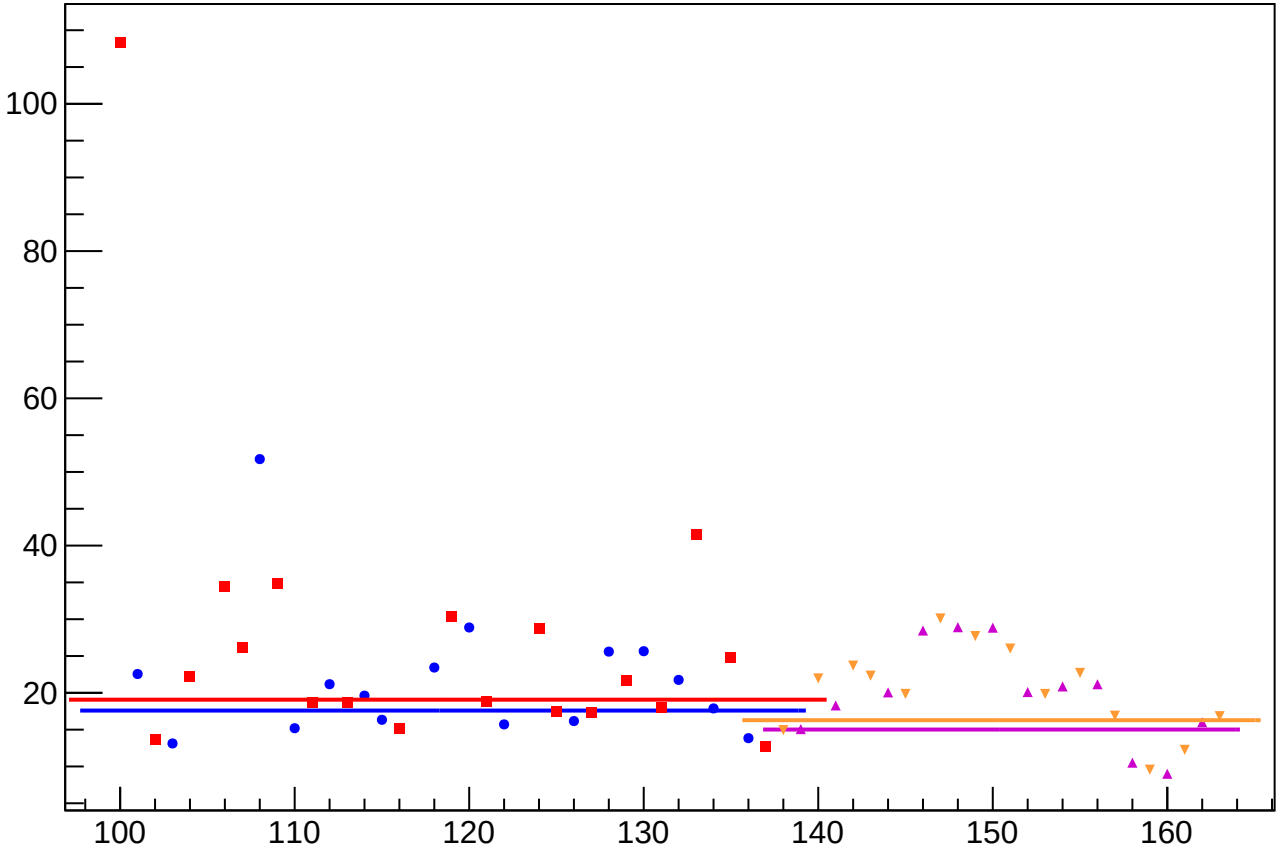
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.001+/-0.004 χ^2/NDF:25.5/27

Out: -0.003+/-0.004 χ^2/NDF:65.2/32

All: -0.002+/-0.003 χ^2/NDF: 90.8/60

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: 16.283+/-0.004 χ^2/NDF:2341998.5/13

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.014+/-0.004 χ^2/NDF:2622086.1/11

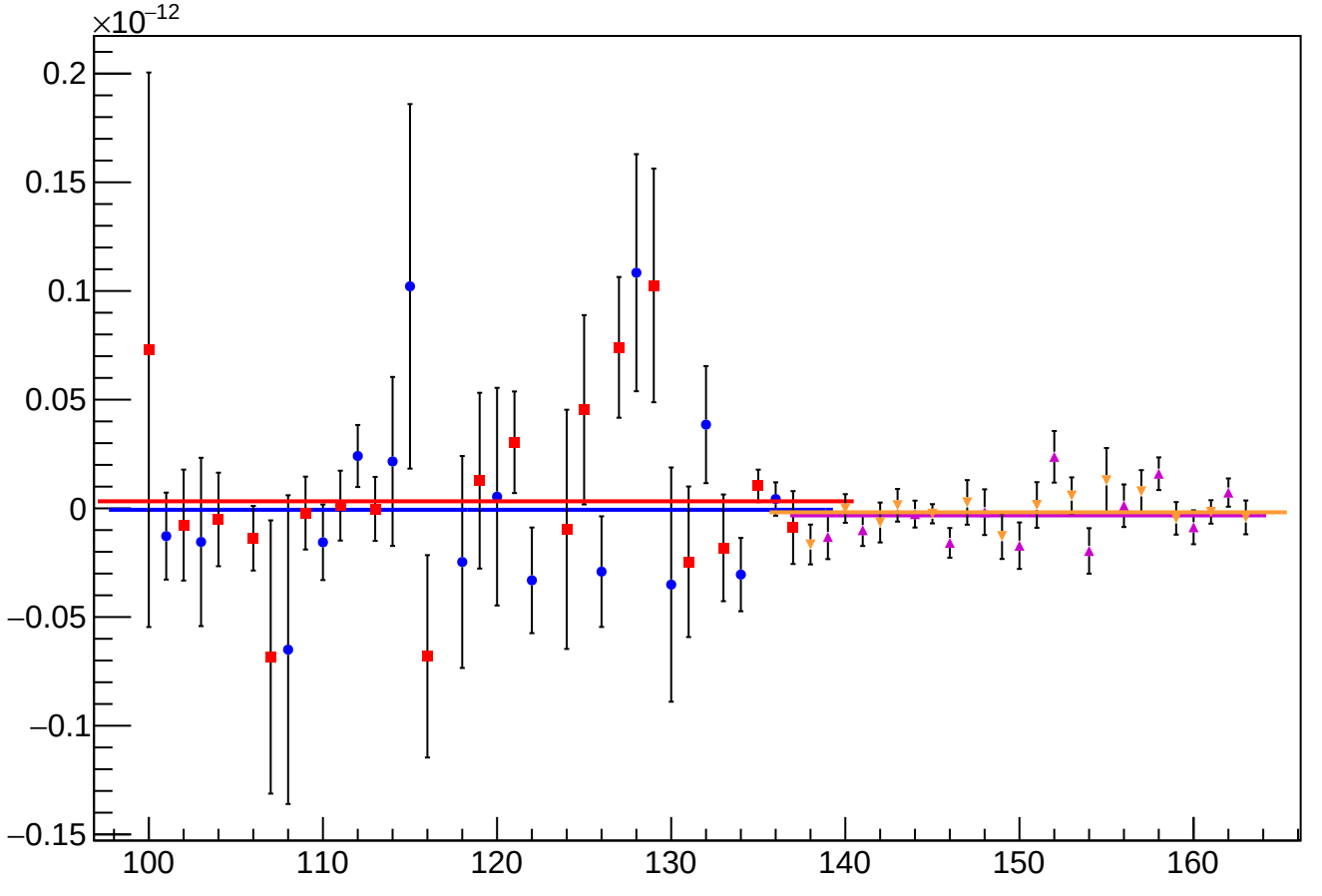
Left: 15.633+/-0.003 χ^2/NDF: 5022181.0/25

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.897+/-0.003 χ^2/NDF:3783808.2/27

Out: 17.180+/-0.003 χ^2/NDF:3766001.6/32

All: 16.512+/-0.002 χ^2/NDF: 7638581.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:24.4/11

Left: -0.000+/-0.000 χ^2/NDF: 32.1/25

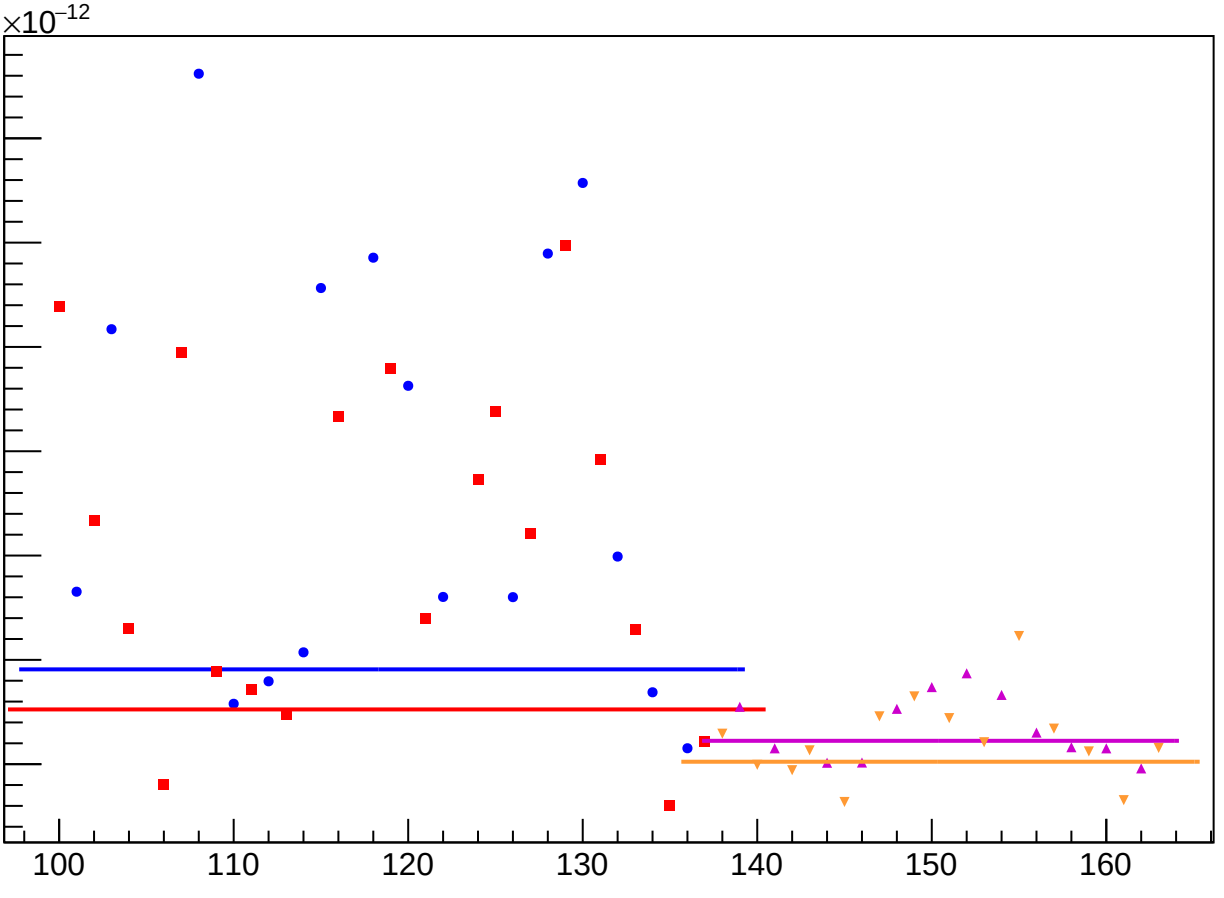
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:44.8/27

Out: -0.000+/-0.000 χ^2/NDF:27.8/32

All: -0.000+/-0.000 χ^2/NDF: 73.1/60

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1449298.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:649029.0/11

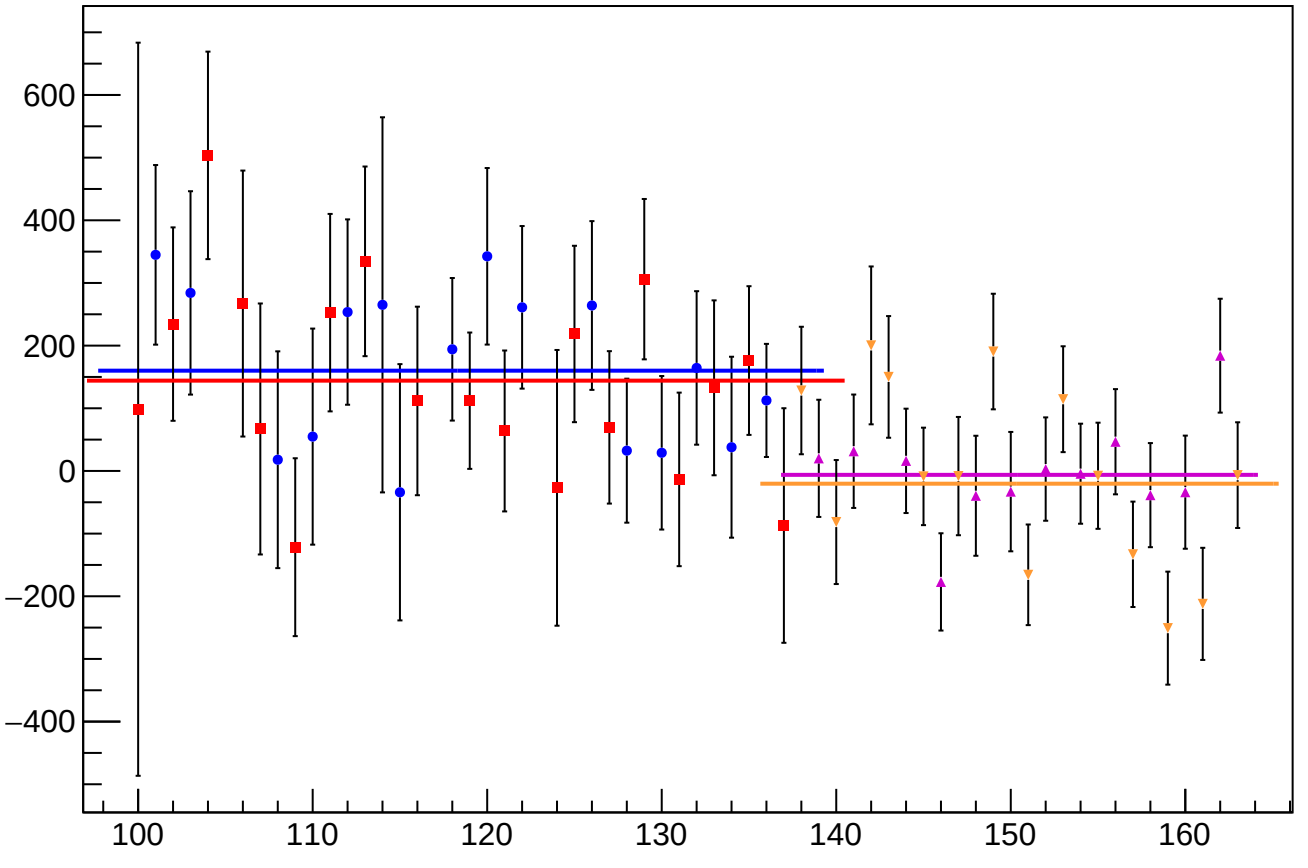
Left: 0.000+/-0.000 χ^2/NDF: 2304452.6/25

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:4031340.5/27

Out: 0.000+/-0.000 χ^2/NDF:5053433.0/32

All: 0.000+/-0.000 χ^2/NDF: 9436390.3/60



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.361+/-24.060 χ^2/NDF:32.7/13

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -6.240+/-24.997 χ^2/NDF:10.4/11

Left: -13.570+/-17.335 χ^2/NDF: 43.3/25

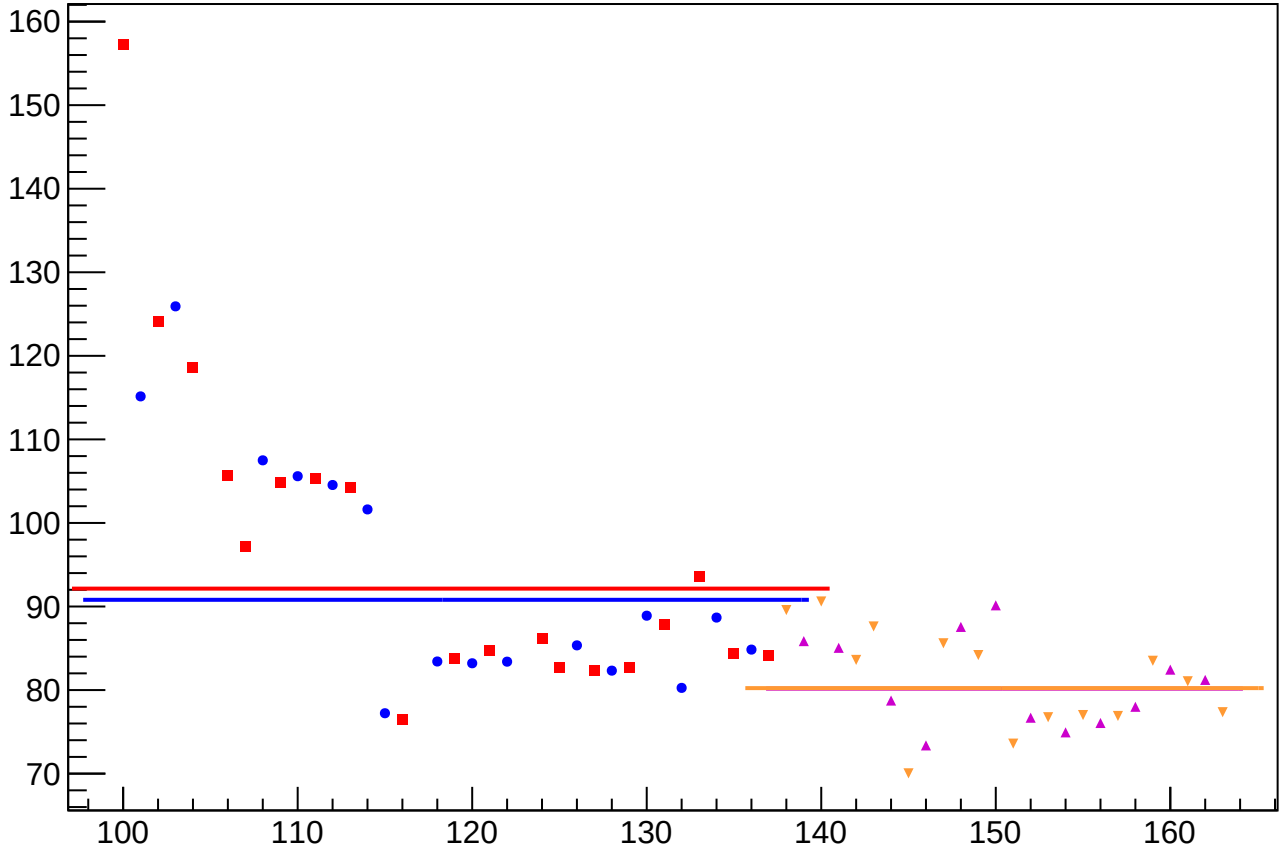
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 51.720+/-20.175 χ^2/NDF:36.9/27

Out: 34.063+/-19.681 χ^2/NDF:65.6/32

All: 42.673+/-14.088 χ^2/NDF: 102.9/60

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 80.168+/-0.018 χ^2/NDF:82786.1/11

Left: 80.202+/-0.012 χ^2/NDF: 207417.2/25

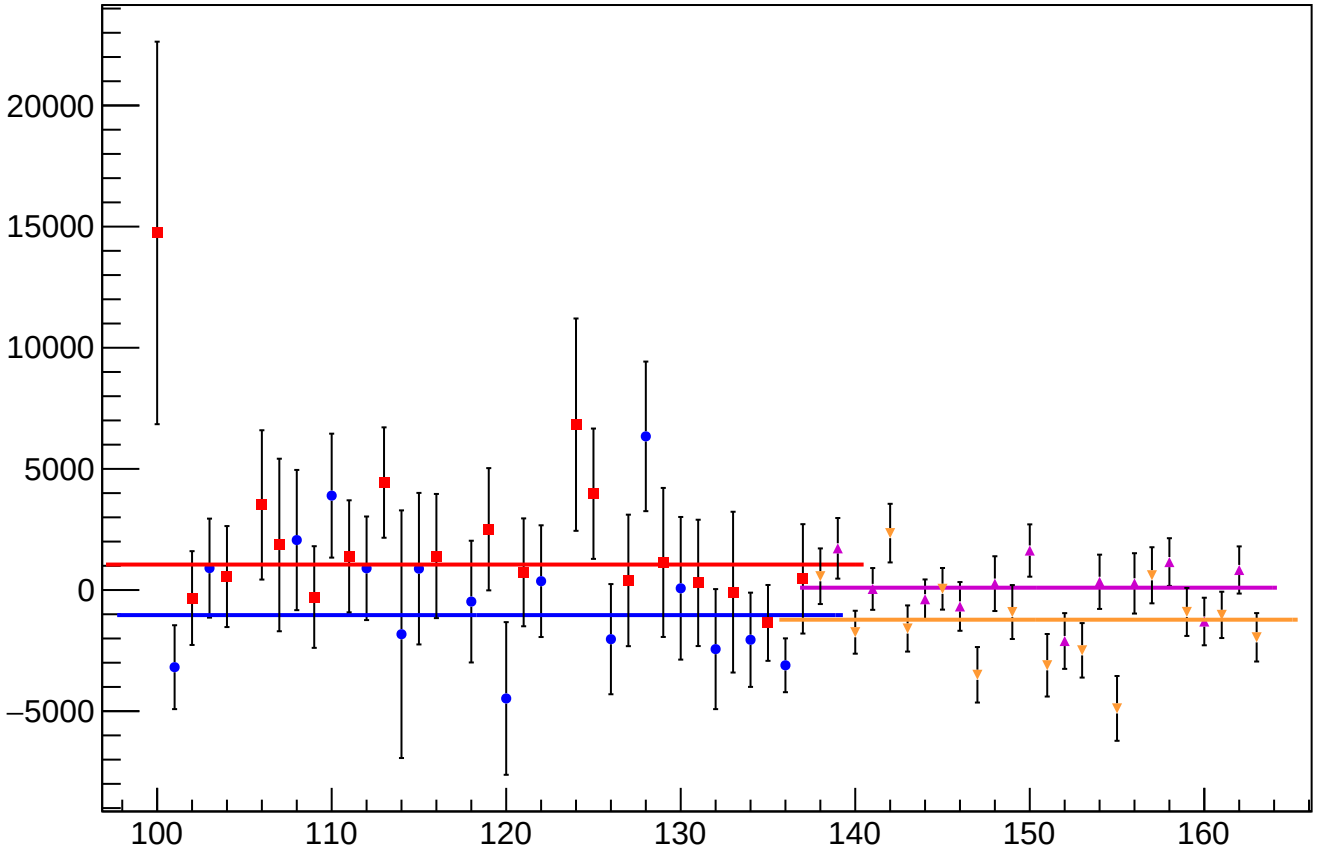
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 83.875+/-0.014 χ^2/NDF:481711.2/27

Out: 84.173+/-0.014 χ^2/NDF:588782.1/32

All: 84.028+/-0.010 χ^2/NDF: 1070716.9/60

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1224.578+/-282.246 χ^2/NDF:31.9/13

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 96.156+/-295.733 χ^2/NDF:12.1/11

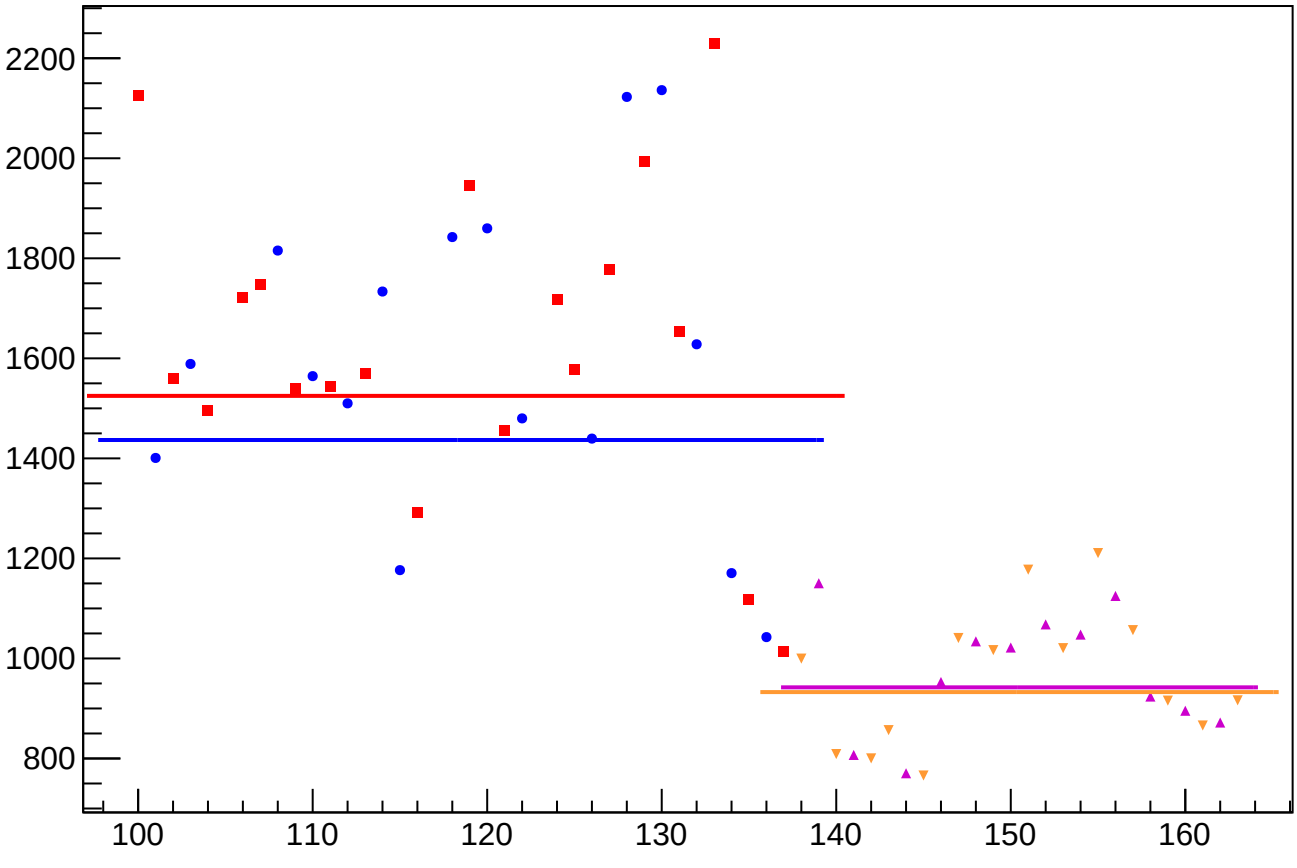
Left: -595.014+/-204.179 χ^2/NDF: 54.5/25

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -157.394+/-260.489 χ^2/NDF:35.7/27

Out: -775.043+/-252.842 χ^2/NDF:57.7/32

All: -475.418+/-181.430 χ^2/NDF: 96.2/60



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 932.759+/-0.200 χ^2/NDF:391470.7/13

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 942.233+/-0.209 χ^2/NDF:317667.7/11

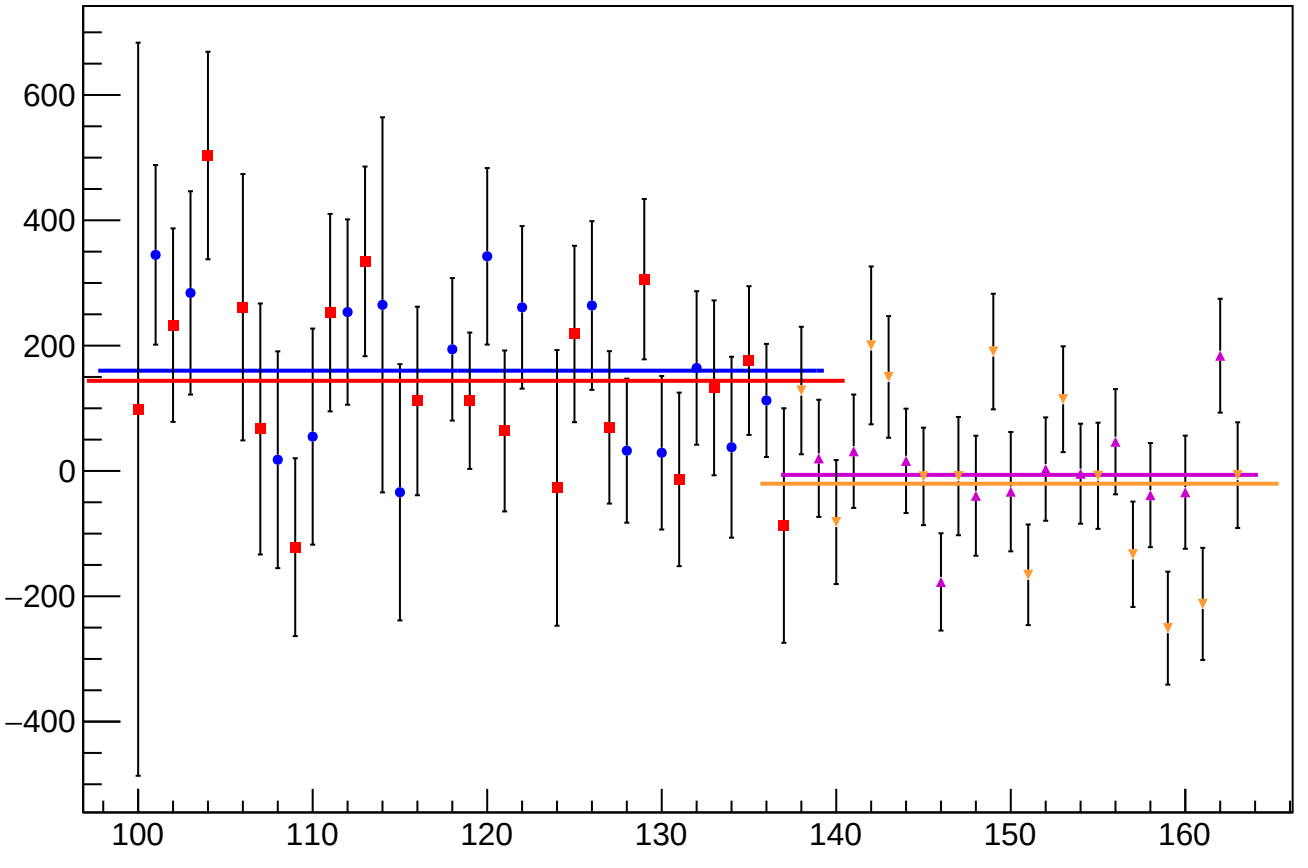
Left: 937.275+/-0.144 χ^2/NDF: 710212.6/25

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1053.073+/-0.184 χ^2/NDF:2246751.2/27

Out: 1049.719+/-0.179 χ^2/NDF:2634958.7/32

All: 1051.346+/-0.128 χ^2/NDF: 4881880.6/60



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -6.243+/-24.997 χ^2/NDF:10.4/11

Left: -13.569+/-17.335 χ^2/NDF: 43.3/25

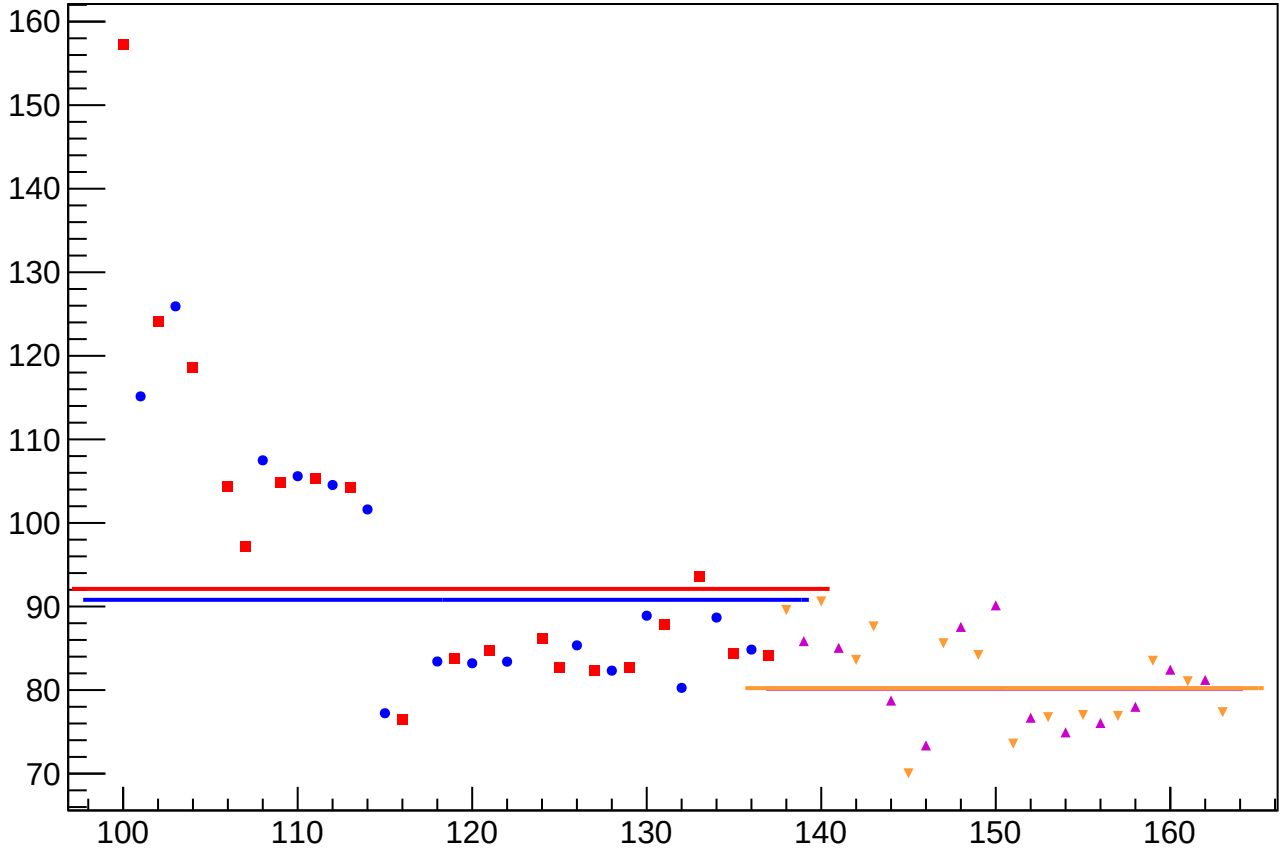
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 51.716+/-20.175 χ^2/NDF:36.9/27

Out: 33.977+/-19.681 χ^2/NDF:65.5/32

All: 42.627+/-14.088 χ^2/NDF: 102.8/60

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.168+/-0.018 χ^2/NDF:82786.1/11

Left: 80.202+/-0.012 χ^2/NDF: 207417.3/25

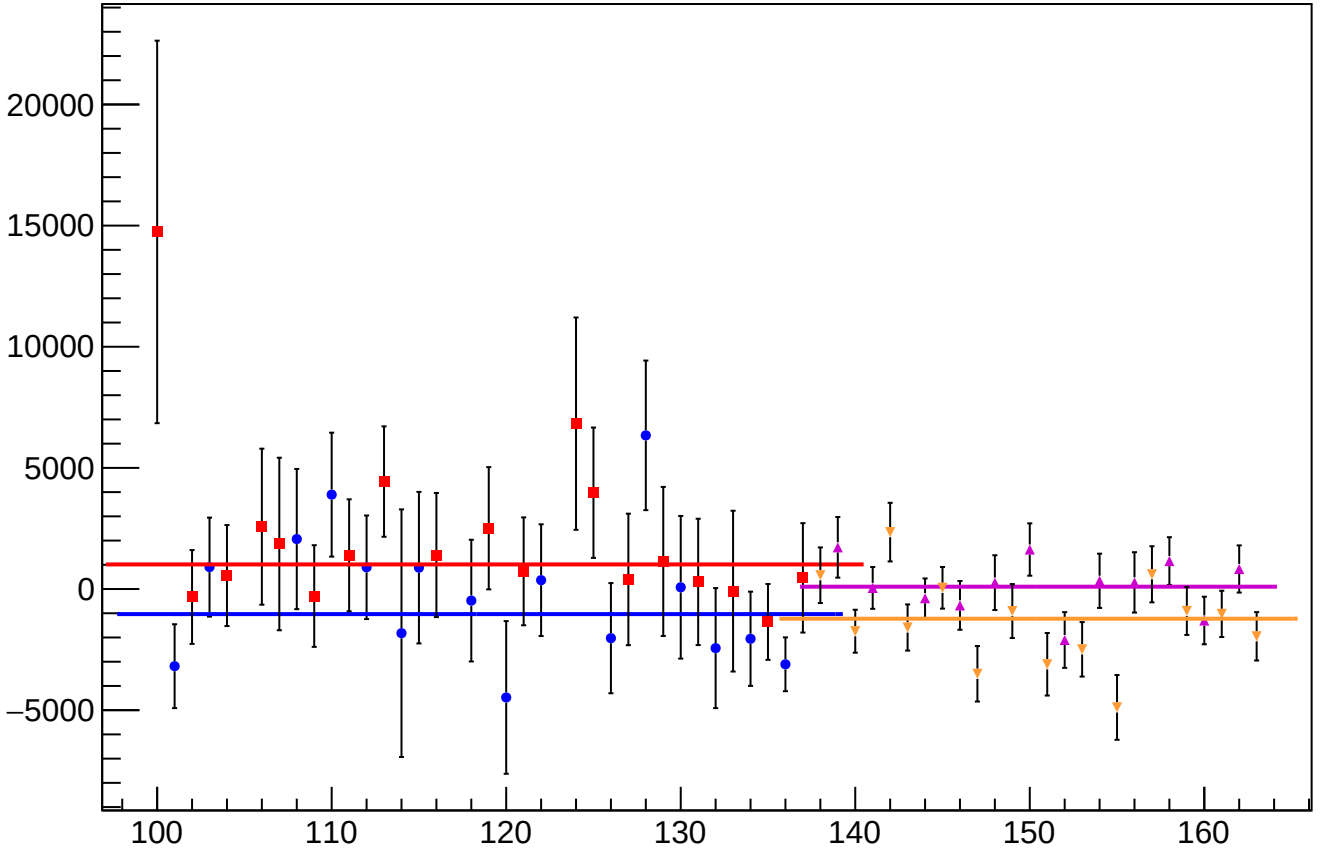
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.875+/-0.014 χ^2/NDF:481713.1/27

Out: 84.162+/-0.014 χ^2/NDF:586604.7/32

All: 84.022+/-0.010 χ^2/NDF: 1068524.9/60

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1224.572+/-282.245 χ^2/NDF:31.9/13

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 96.157+/-295.733 χ^2/NDF:12.1/11

Left: -595.011+/-204.179 χ^2/NDF: 54.5/25

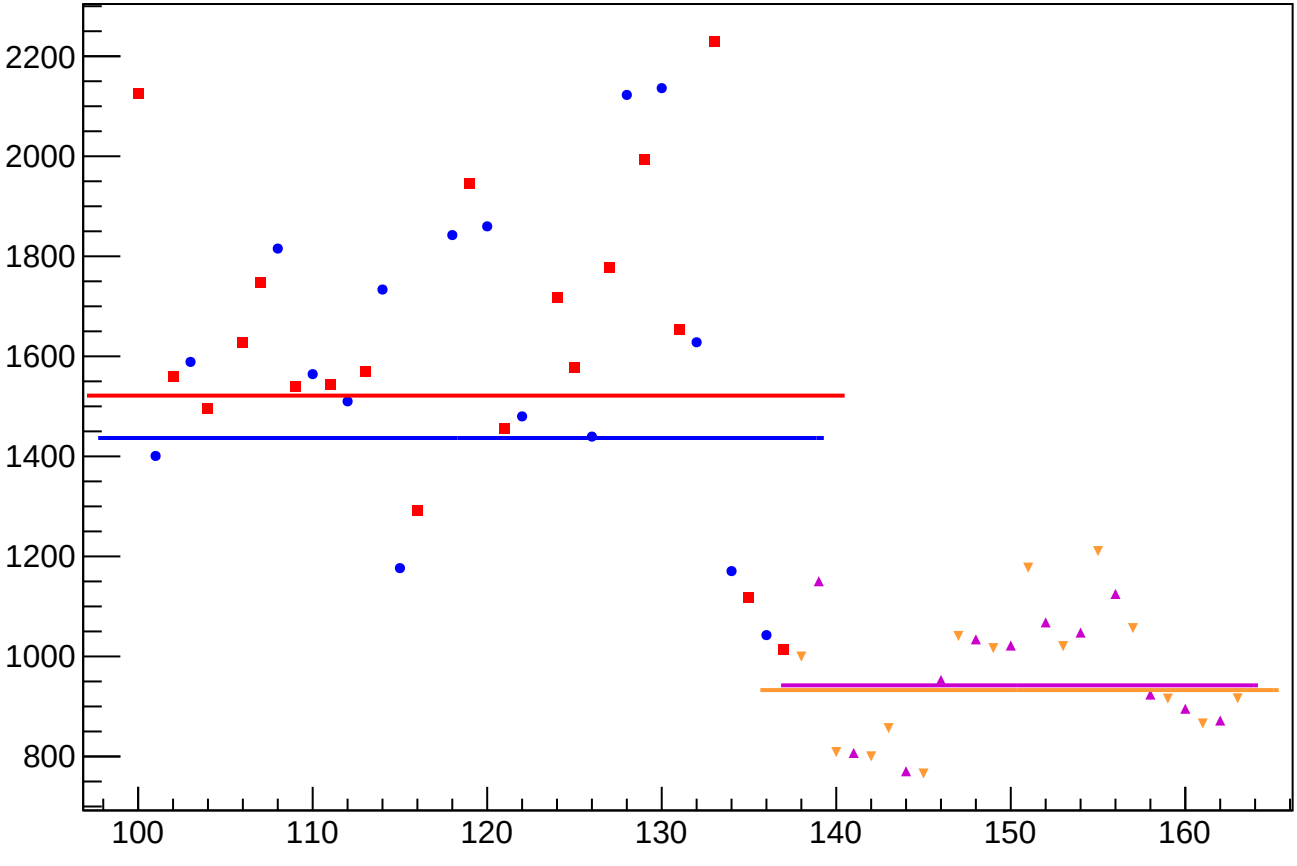
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -157.386+/-260.490 χ^2/NDF:35.7/27

Out: -783.218+/-252.915 χ^2/NDF:56.8/32

All: -479.534+/-181.457 χ^2/NDF: 95.4/60

asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 942.233+/-0.209 χ^2/NDF:317667.9/11

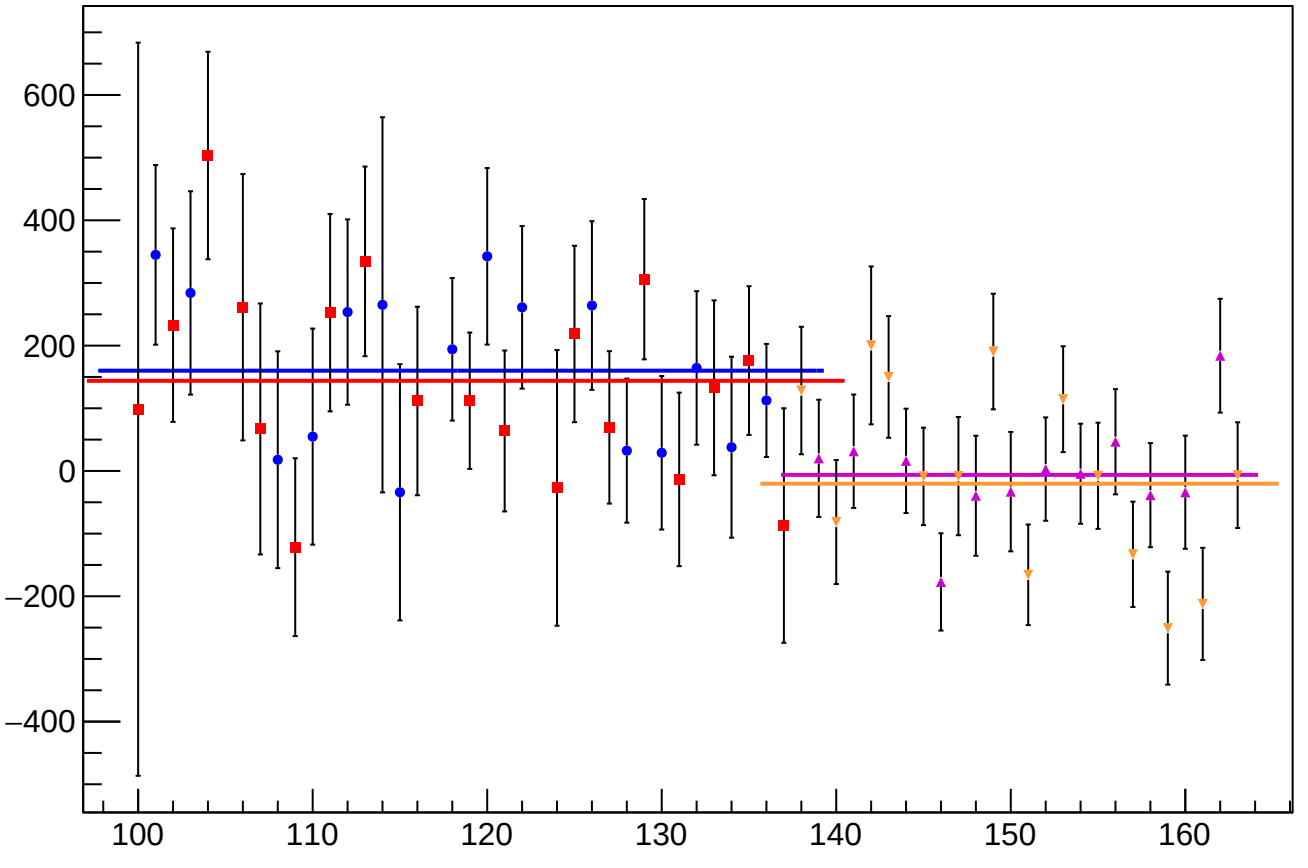
Left: 937.275+/-0.144 χ^2/NDF: 710213.8/25

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1053.073+/-0.184 χ^2/NDF:2246771.6/27

Out: 1048.761+/-0.179 χ^2/NDF:2604448.6/32

All: 1050.854+/-0.128 χ^2/NDF: 4851502.2/60



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.357+/-24.060 χ^2/NDF:32.7/13

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -6.243+/-24.997 χ^2/NDF:10.4/11

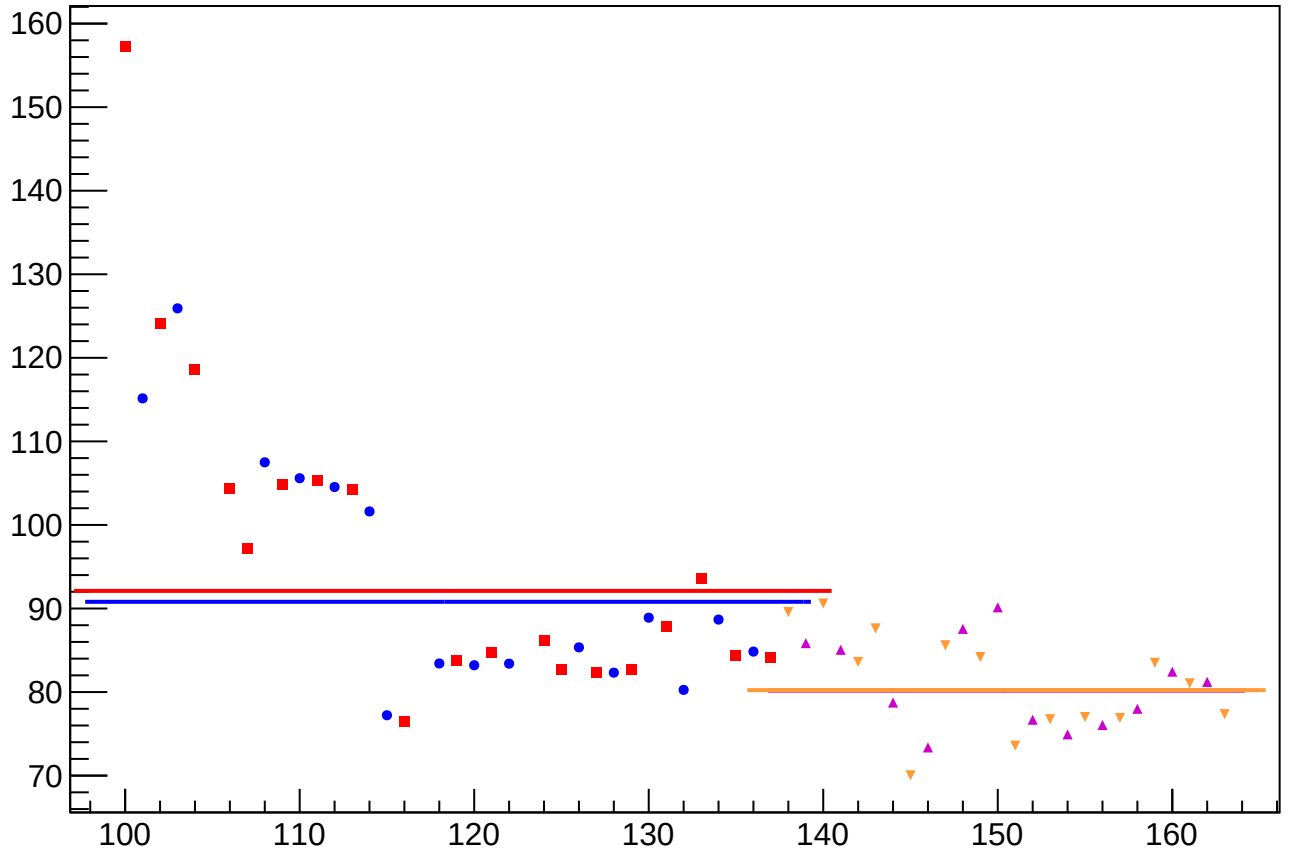
Left: -13.569+/-17.335 χ^2/NDF: 43.3/25

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 51.716+/-20.175 χ^2/NDF:36.9/27

Out: 33.977+/-19.681 χ^2/NDF:65.5/32

All: 42.627+/-14.088 χ^2/NDF: 102.8/60



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 80.233+/-0.017 χ^2/NDF:124624.2/13

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 80.168+/-0.018 χ^2/NDF:82786.1/11

Left: 80.202+/-0.012 χ^2/NDF: 207417.3/25

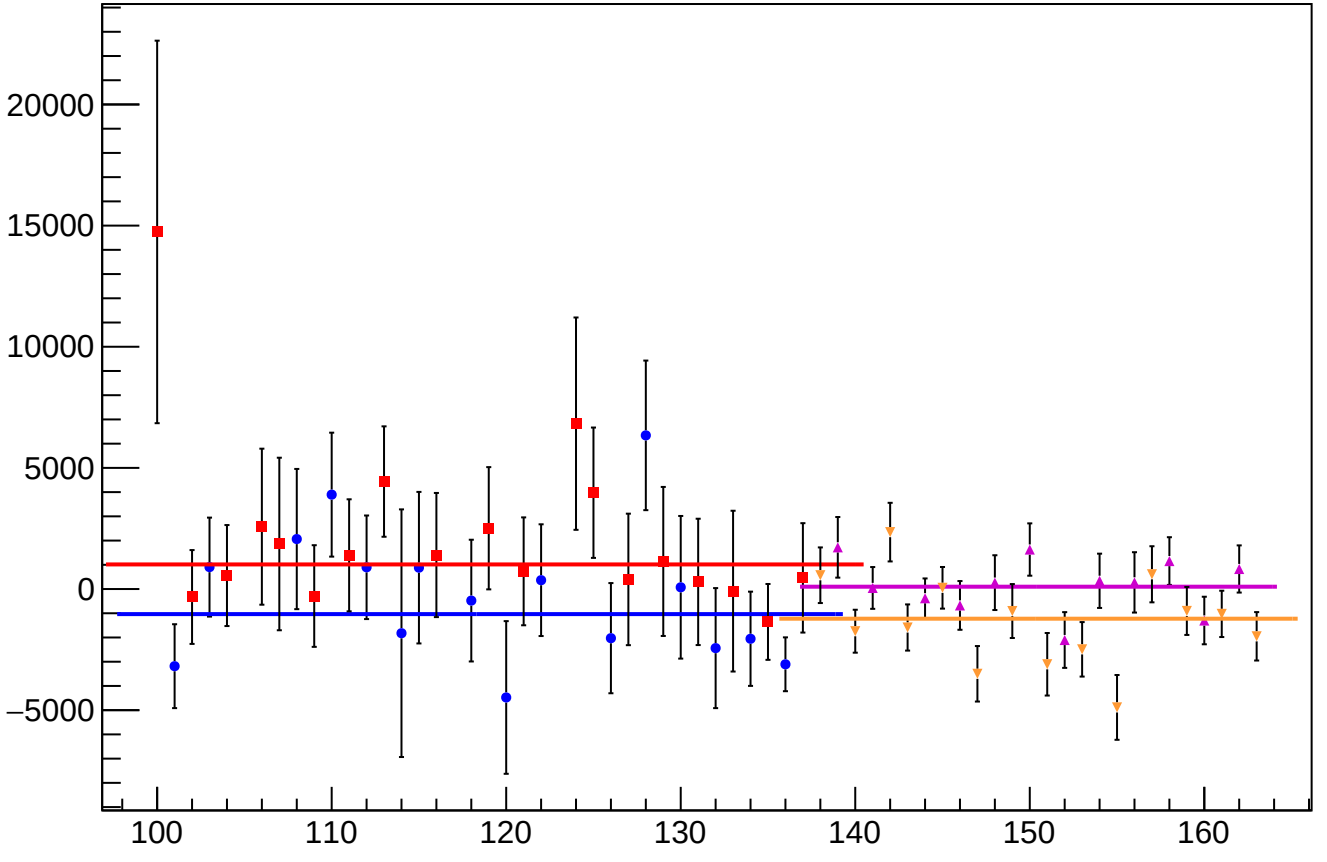
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 83.875+/-0.014 χ^2/NDF:481713.1/27

Out: 84.162+/-0.014 χ^2/NDF:586604.7/32

All: 84.022+/-0.010 χ^2/NDF: 1068524.9/60

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1224.572+/-282.245 χ^2/NDF:31.9/13

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 96.157+/-295.733 χ^2/NDF:12.1/11

Left: -595.011+/-204.179 χ^2/NDF: 54.5/25

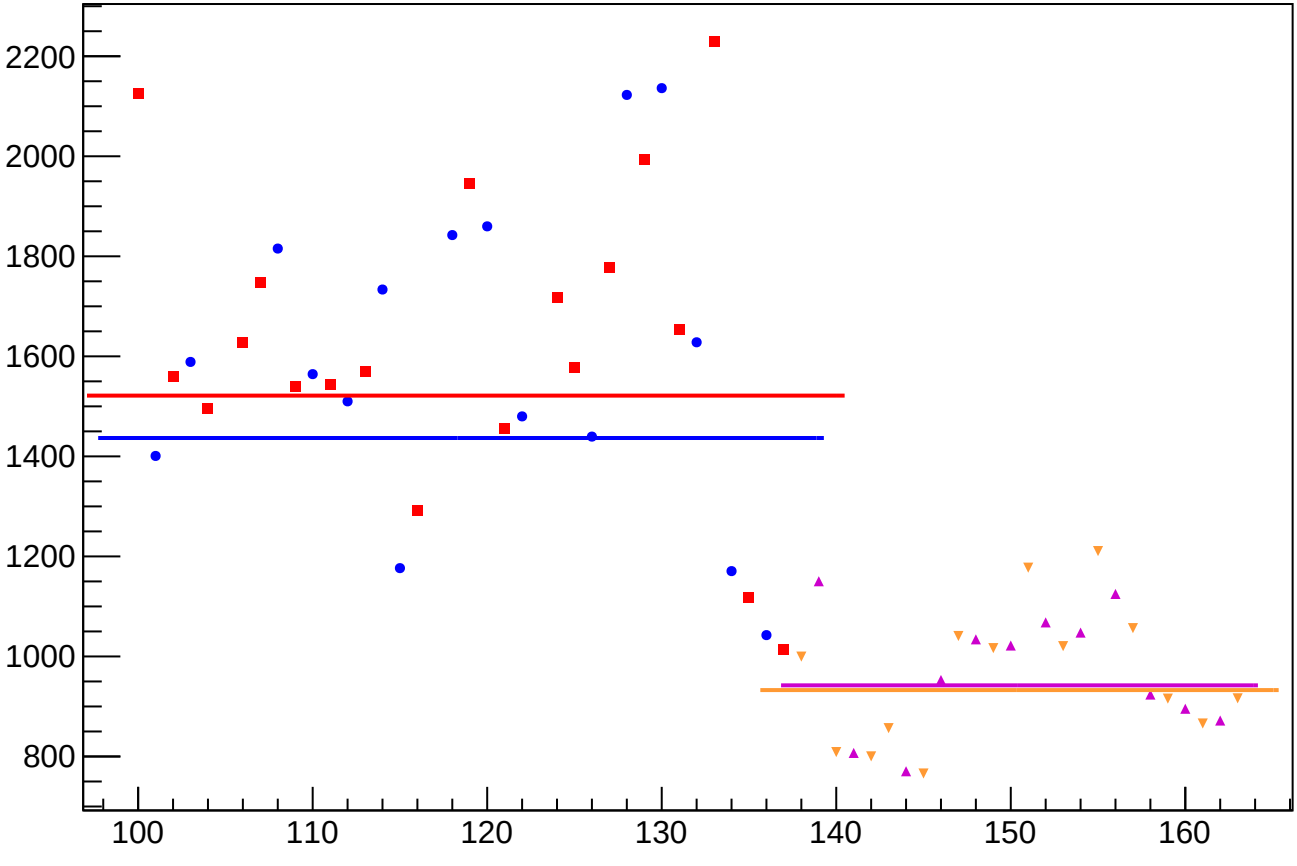
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -157.386+/-260.490 χ^2/NDF:35.7/27

Out: -783.218+/-252.915 χ^2/NDF:56.8/32

All: -479.534+/-181.457 χ^2/NDF: 95.4/60

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: 932.759+/-0.200 χ^2/NDF:391471.7/13

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 942.233+/-0.209 χ^2/NDF:317667.9/11

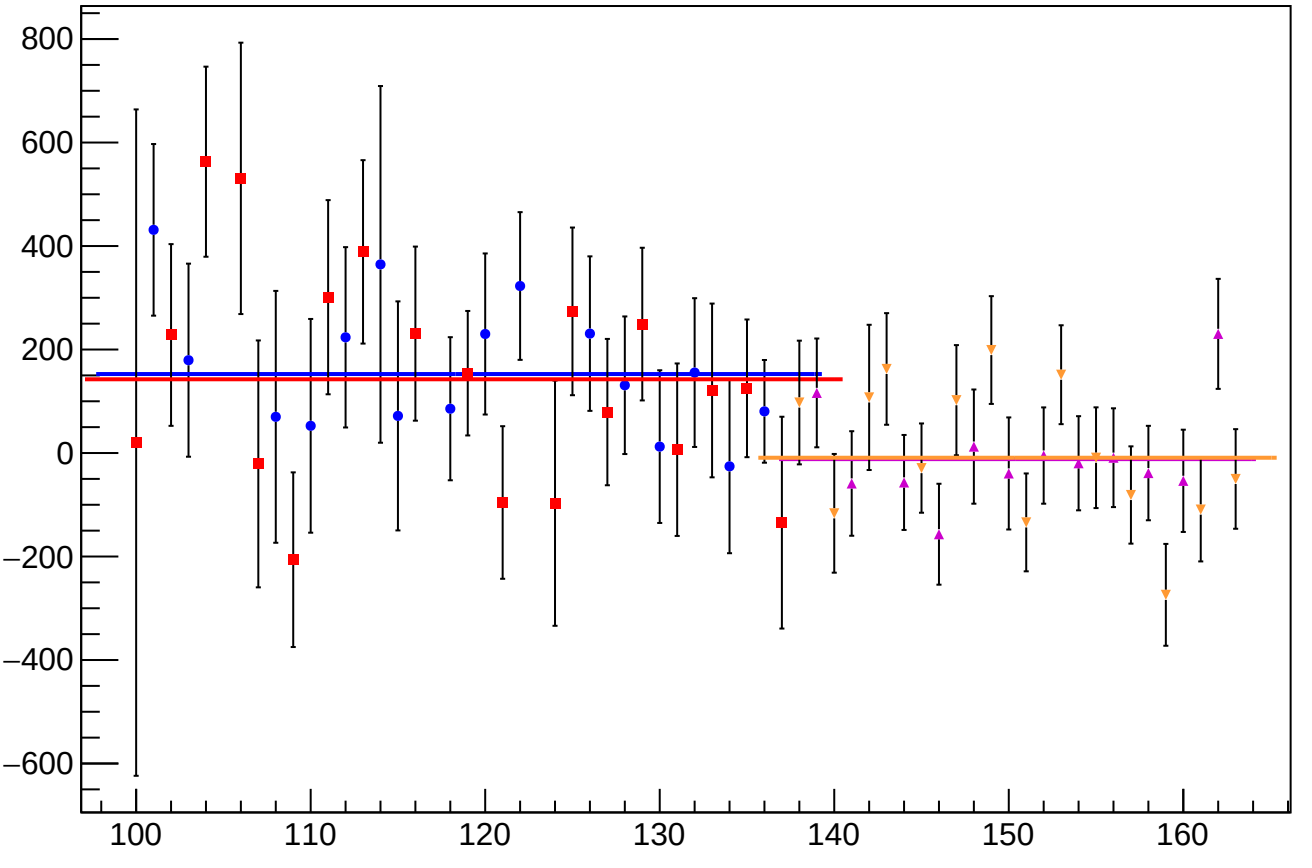
Left: 937.275+/-0.144 χ^2/NDF: 710213.8/25

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1053.073+/-0.184 χ^2/NDF:2246771.6/27

Out: 1048.761+/-0.179 χ^2/NDF:2604448.6/32

All: 1050.854+/-0.128 χ^2/NDF: 4851502.2/60



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -9.119+/-27.232 χ^2/NDF:23.6/13

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -11.785+/-28.434 χ^2/NDF:9.7/11

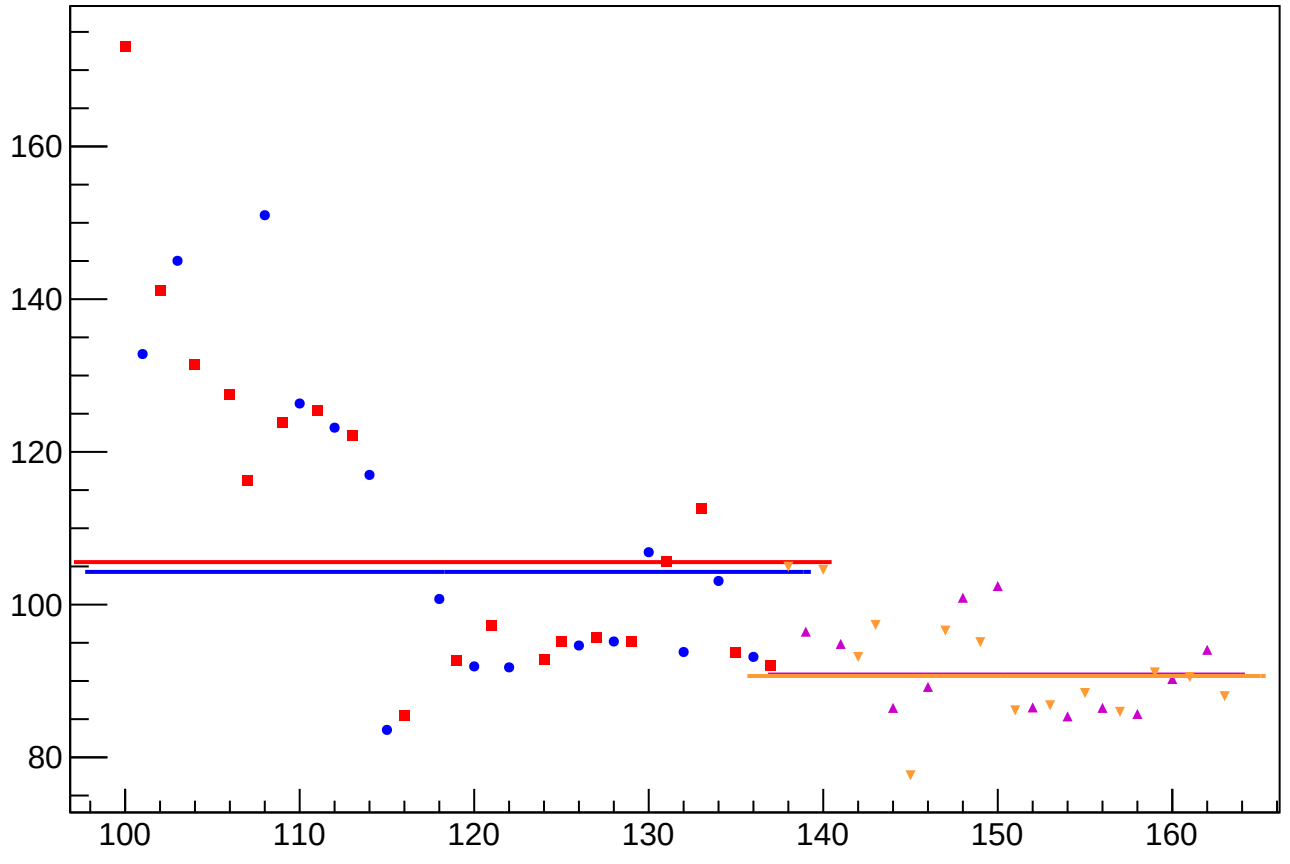
Left: -10.394+/-19.667 χ^2/NDF: 33.4/25

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 44.431+/-23.066 χ^2/NDF:29.8/27

Out: 39.995+/-22.391 χ^2/NDF:56.6/32

All: 42.147+/-16.066 χ^2/NDF: 86.4/60



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 90.652+/-0.019 χ^2/NDF:137062.3/13

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 90.844+/-0.020 χ^2/NDF:77514.9/11

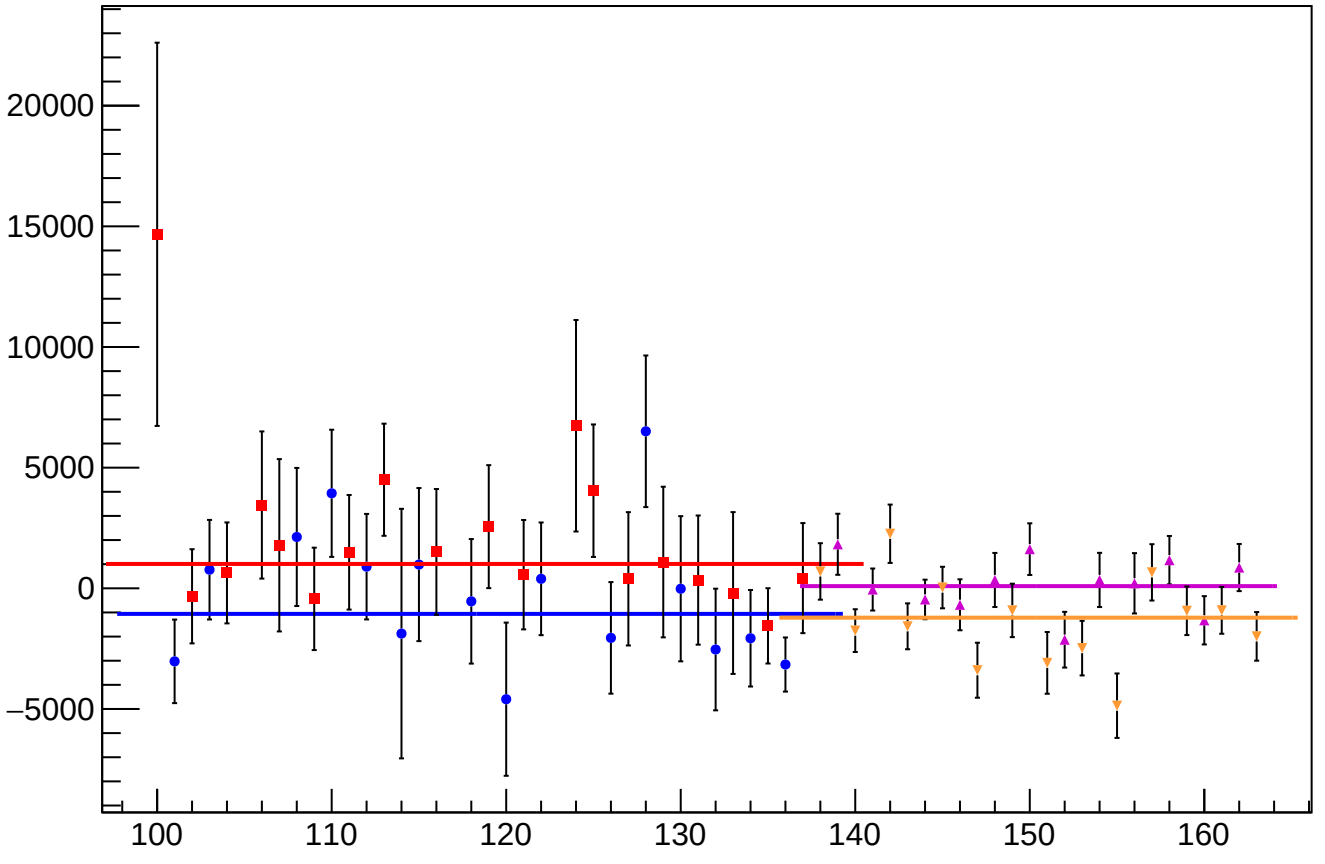
Left: 90.744+/-0.014 χ^2/NDF: 214624.6/25

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 95.440+/-0.016 χ^2/NDF:608663.5/27

Out: 95.484+/-0.016 χ^2/NDF:676038.0/32

All: 95.463+/-0.011 χ^2/NDF: 1284705.3/60



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1216.473+/-283.373 χ^2/NDF:31.5/13

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 90.815+/-298.504 χ^2/NDF:12.5/11

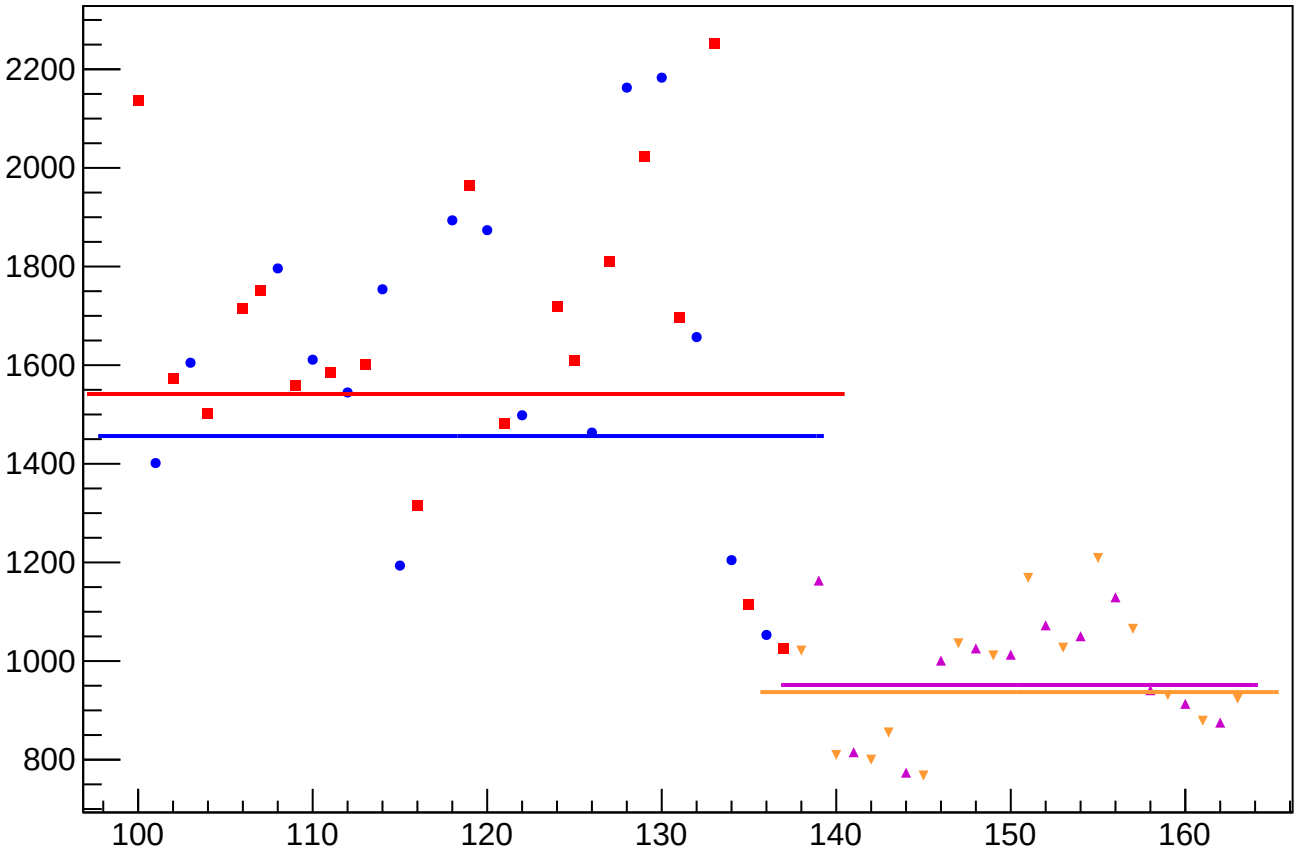
Left: -596.801+/-205.516 χ^2/NDF: 54.1/25

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -165.353+/-263.172 χ^2/NDF:35.9/27

Out: -781.531+/-254.191 χ^2/NDF:56.9/32

All: -484.135+/-182.832 χ^2/NDF: 95.6/60



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 937.114+/-0.200 χ^2/NDF:386454.9/13

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 951.494+/-0.211 χ^2/NDF:312096.0/11

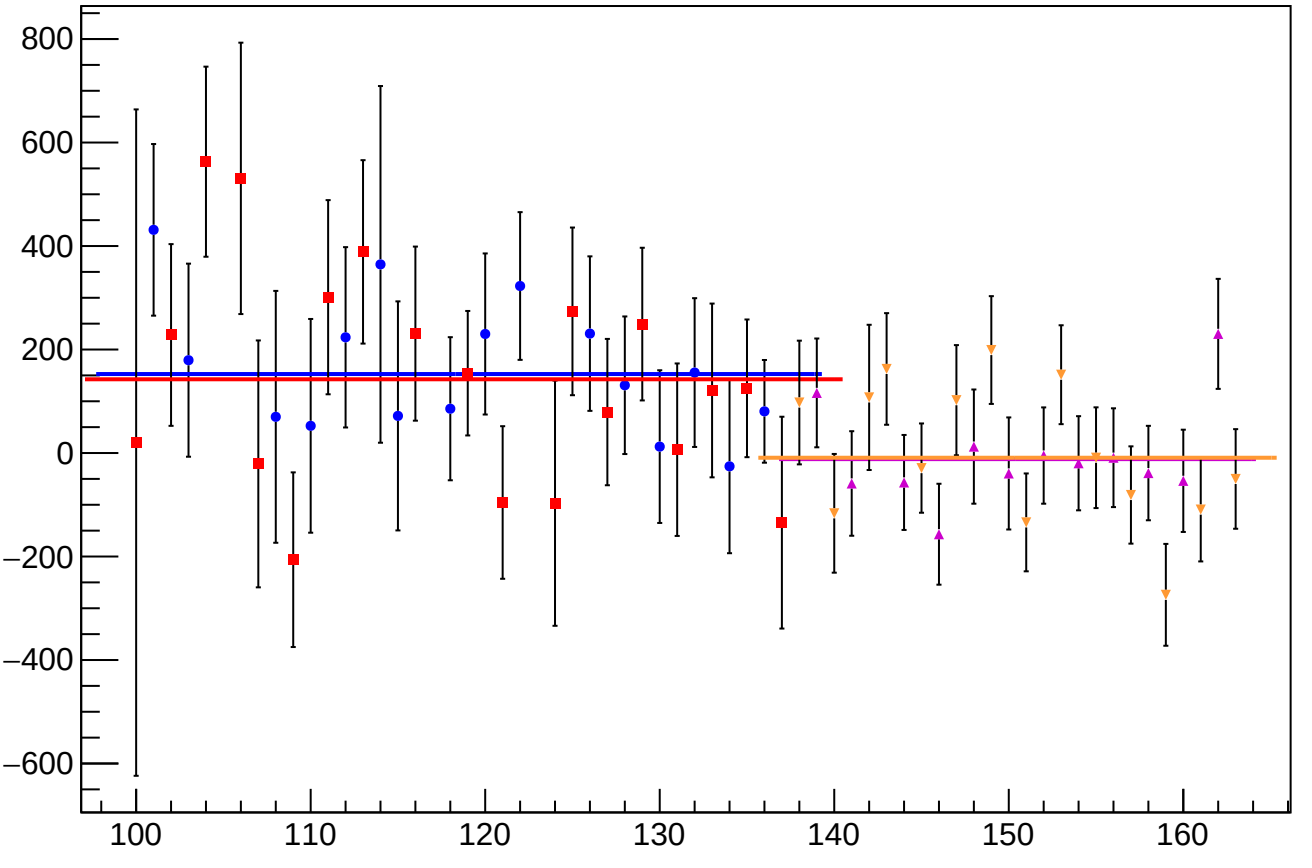
Left: 943.930+/-0.145 χ^2/NDF: 700992.3/25

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1063.926+/-0.186 χ^2/NDF:2270831.6/27

Out: 1055.190+/-0.180 χ^2/NDF:2683282.6/32

All: 1059.406+/-0.129 χ^2/NDF: 4955254.4/60



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -9.118+/-27.232 χ^2/NDF:23.6/13

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -11.785+/-28.434 χ^2/NDF:9.7/11

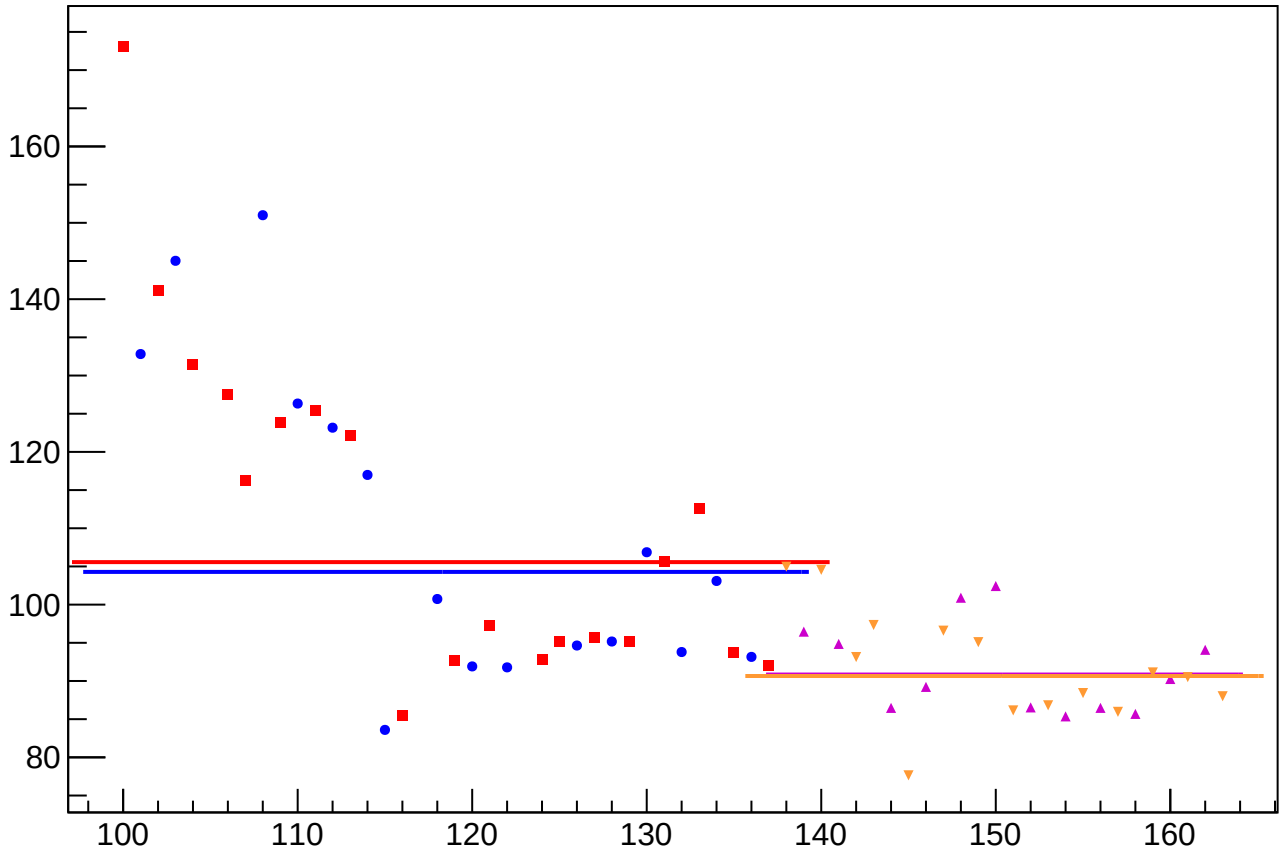
Left: -10.394+/-19.667 χ^2/NDF: 33.4/25

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 44.432+/-23.066 χ^2/NDF:29.8/27

Out: 39.996+/-22.391 χ^2/NDF:56.6/32

All: 42.148+/-16.066 χ^2/NDF: 86.4/60



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 90.653+/-0.019 χ^2/NDF:137057.7/13

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 90.844+/-0.020 χ^2/NDF:77513.0/11

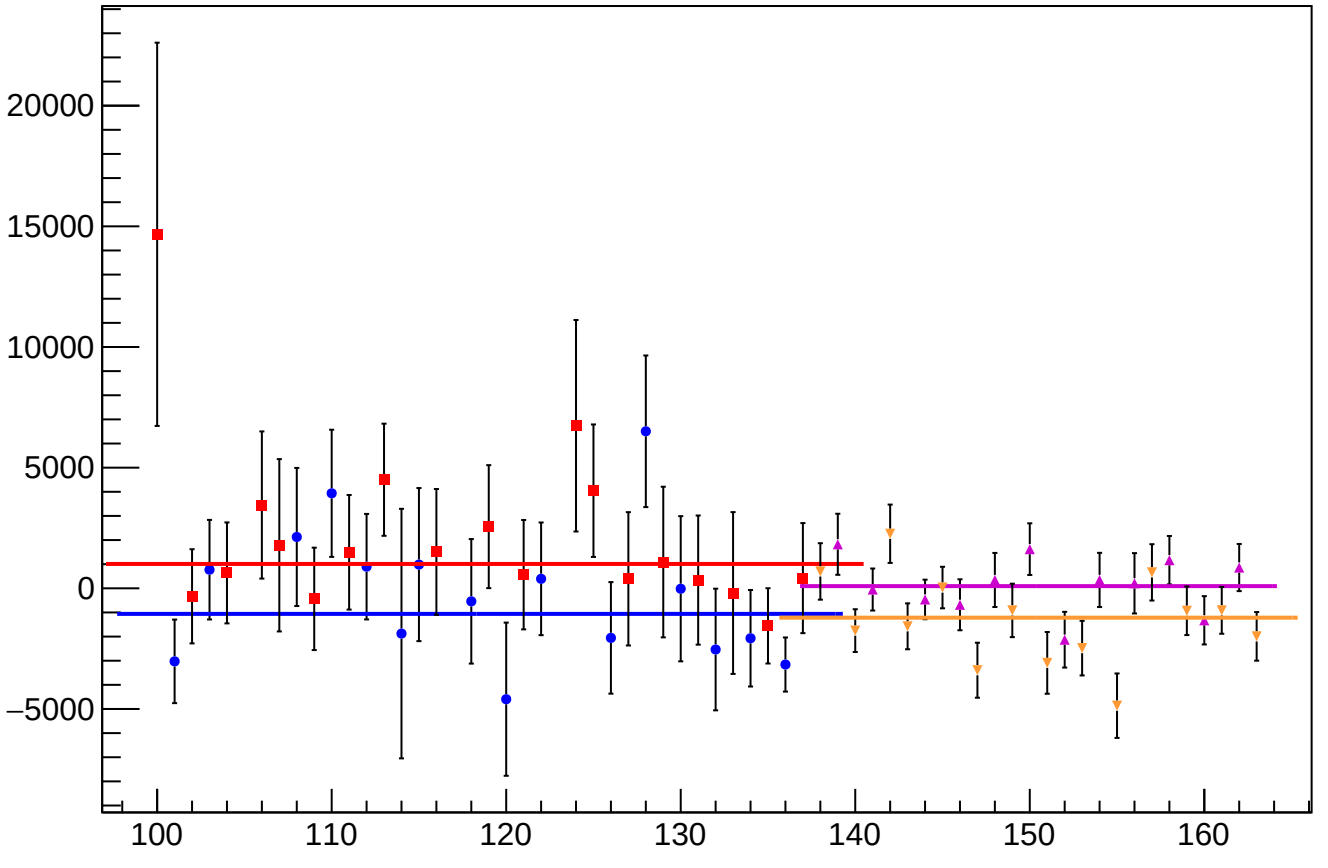
Left: 90.744+/-0.014 χ^2/NDF: 214618.0/25

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 95.440+/-0.016 χ^2/NDF:608642.9/27

Out: 95.484+/-0.016 χ^2/NDF:676011.4/32

All: 95.463+/-0.011 χ^2/NDF: 1284658.1/60



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1216.471+/-283.373 χ^2/NDF:31.5/13

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 90.815+/-298.504 χ^2/NDF:12.5/11

Left: -596.801+/-205.516 χ^2/NDF: 54.1/25

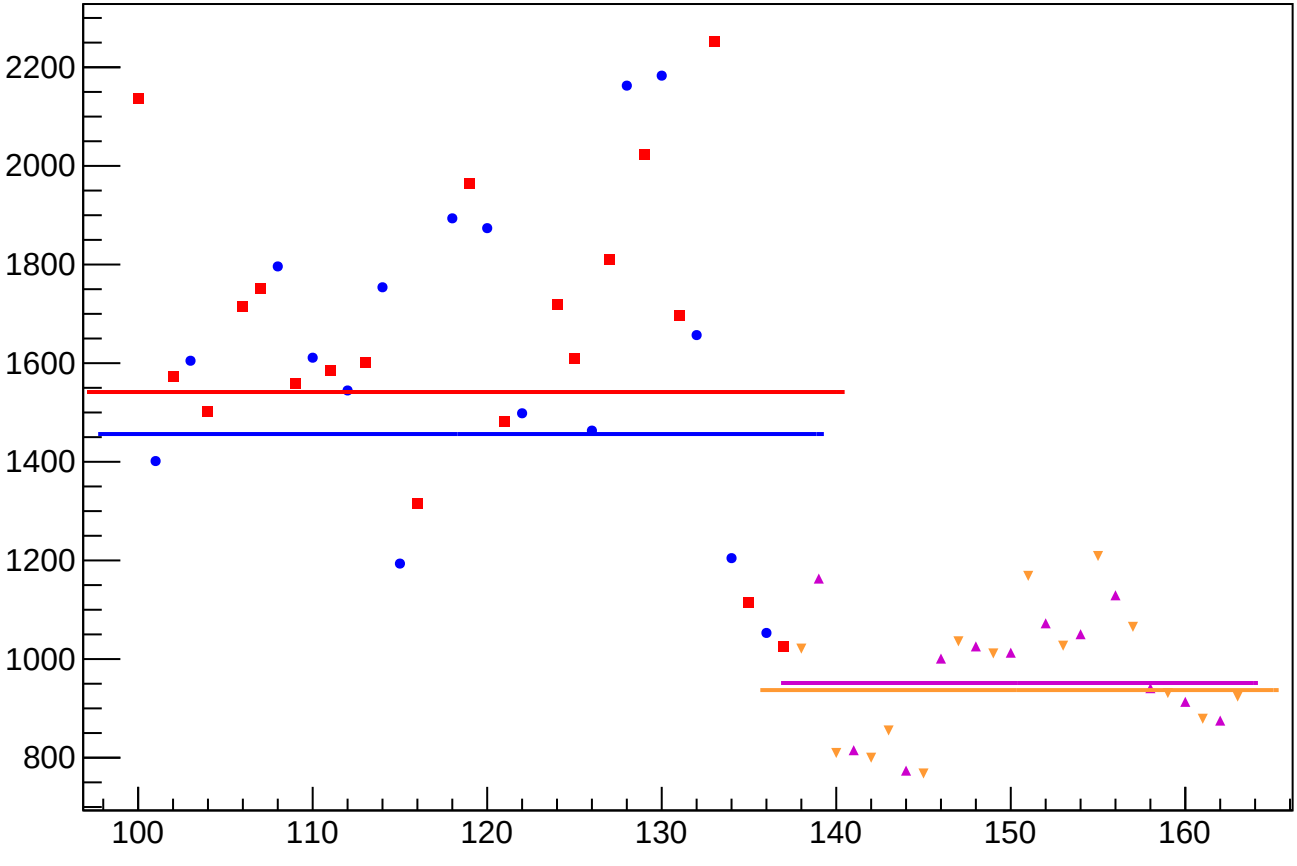
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -165.353+/-263.171 χ^2/NDF:35.9/27

Out: -781.529+/-254.190 χ^2/NDF:56.9/32

All: -484.134+/-182.832 χ^2/NDF: 95.6/60

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: 937.113+/-0.200 χ^2/NDF:386458.0/13

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 951.493+/-0.211 χ^2/NDF:312097.5/11

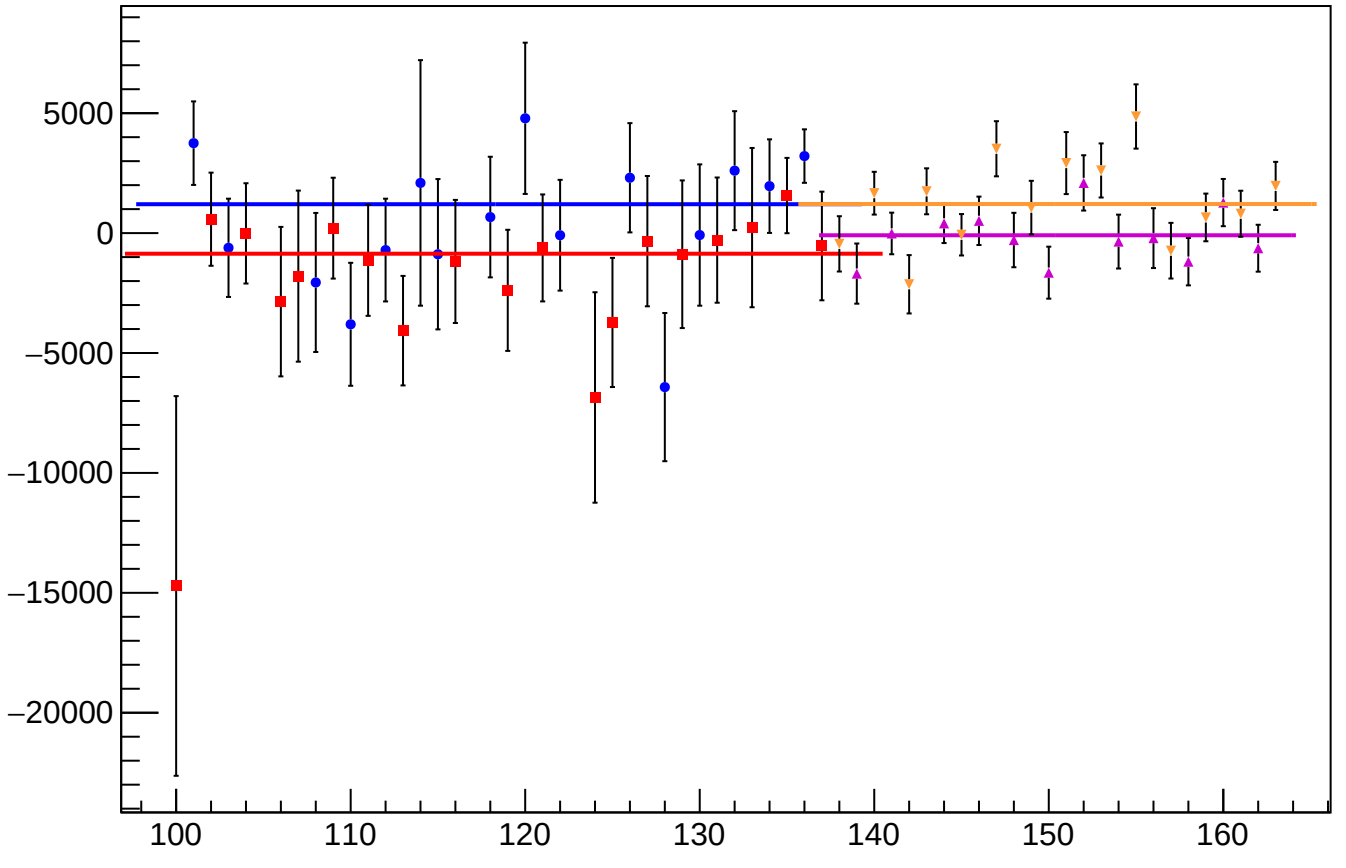
Left: 943.929+/-0.145 χ^2/NDF: 700997.1/25

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1063.925+/-0.186 χ^2/NDF:2270826.6/27

Out: 1055.189+/-0.180 χ^2/NDF:2683280.1/32

All: 1059.405+/-0.129 χ^2/NDF: 4955246.9/60



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1211.939+/-283.413 χ^2/NDF:31.0/13

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -90.308+/-296.904 χ^2/NDF:11.6/11

Left: 591.073+/-205.007 χ^2/NDF: 52.7/25

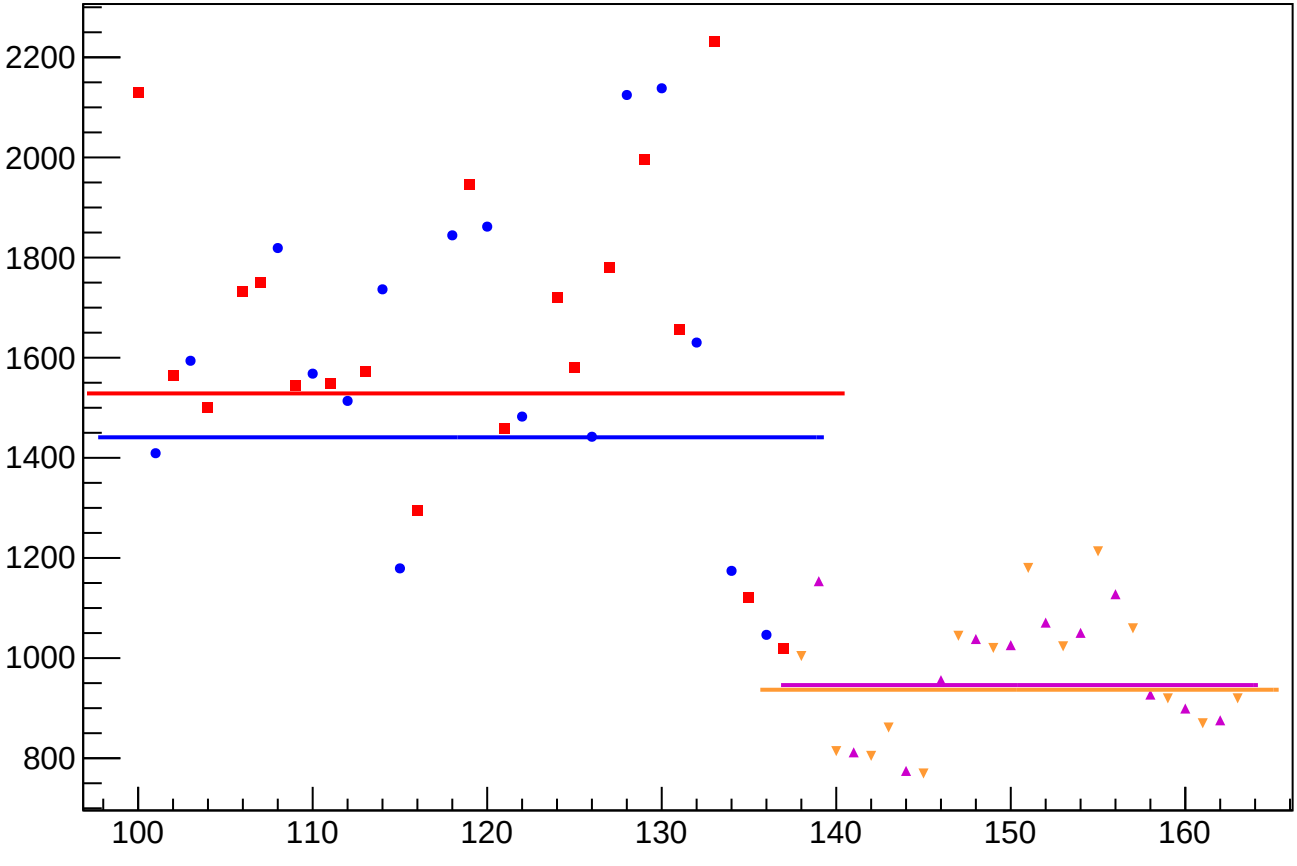
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 200.495+/-261.451 χ^2/NDF:37.0/27

Out: 801.834+/-253.809 χ^2/NDF:54.1/32

All: 510.081+/-182.112 χ^2/NDF: 93.8/60

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 936.796+/-0.200 χ^2/NDF:385443.7/13

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 946.108+/-0.210 χ^2/NDF:312623.7/11

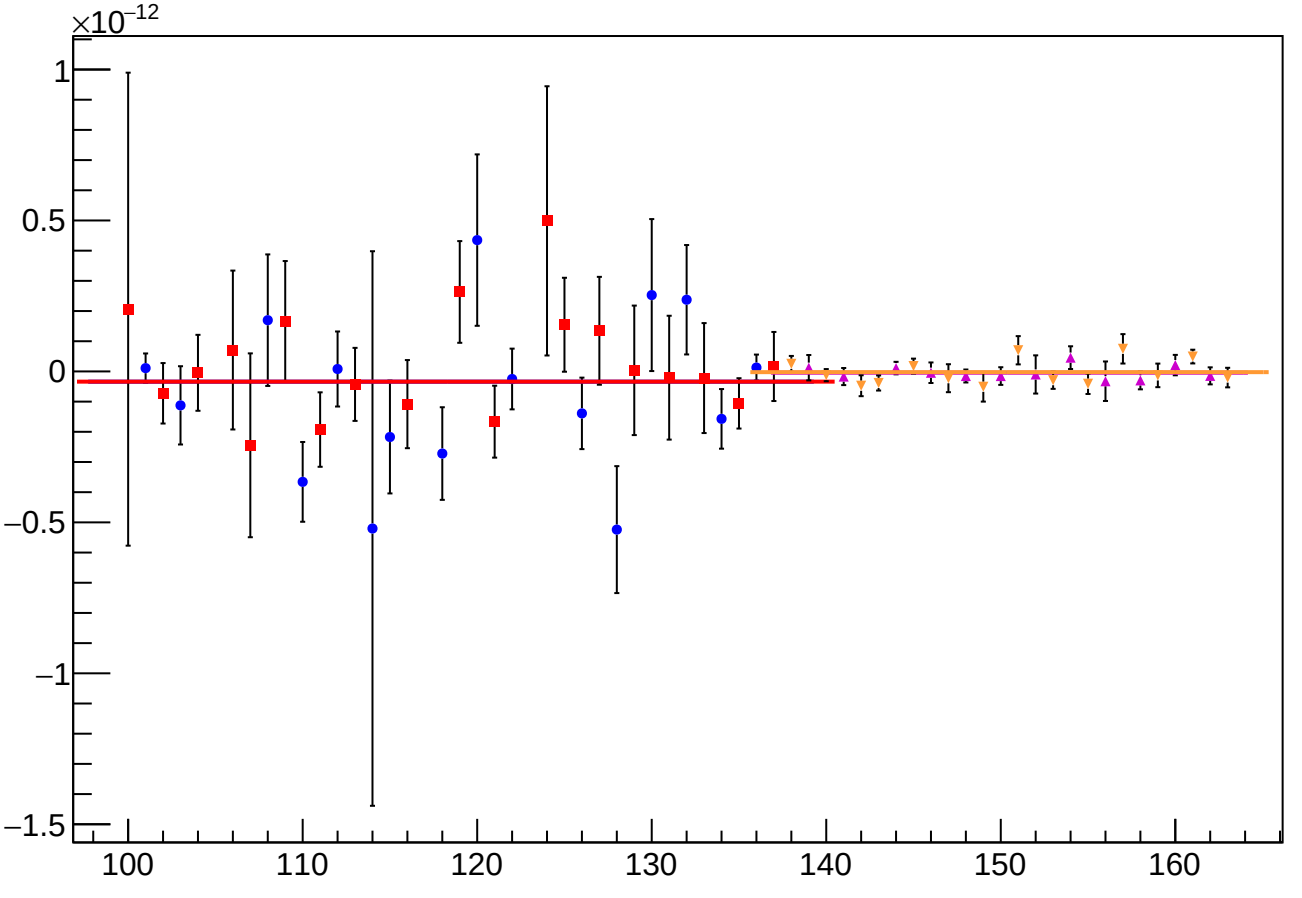
Left: 941.236+/-0.145 χ^2/NDF: 699096.8/25

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1057.246+/-0.185 χ^2/NDF:2231232.4/27

Out: 1053.984+/-0.179 χ^2/NDF:2614149.6/32

All: 1055.567+/-0.129 χ^2/NDF: 4845542.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/11

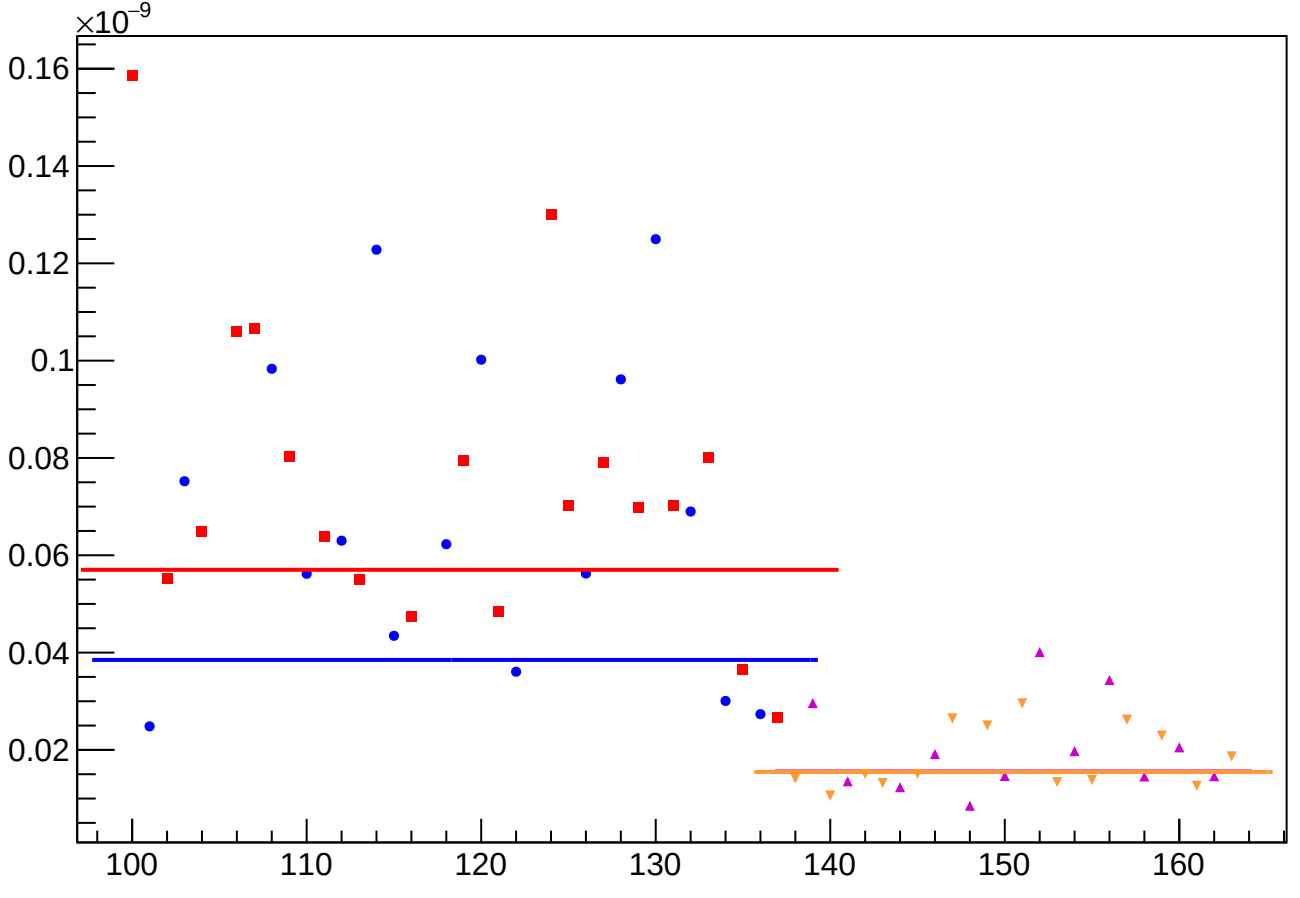
Left: -0.000+/-0.000 χ^2/NDF: 24.2/25

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:33.3/27

Out: -0.000+/-0.000 χ^2/NDF:33.3/32

All: -0.000+/-0.000 χ^2/NDF: 66.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:744992.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1060128.5/11

Left: 0.000+/-0.000 χ^2/NDF: 1805276.3/25

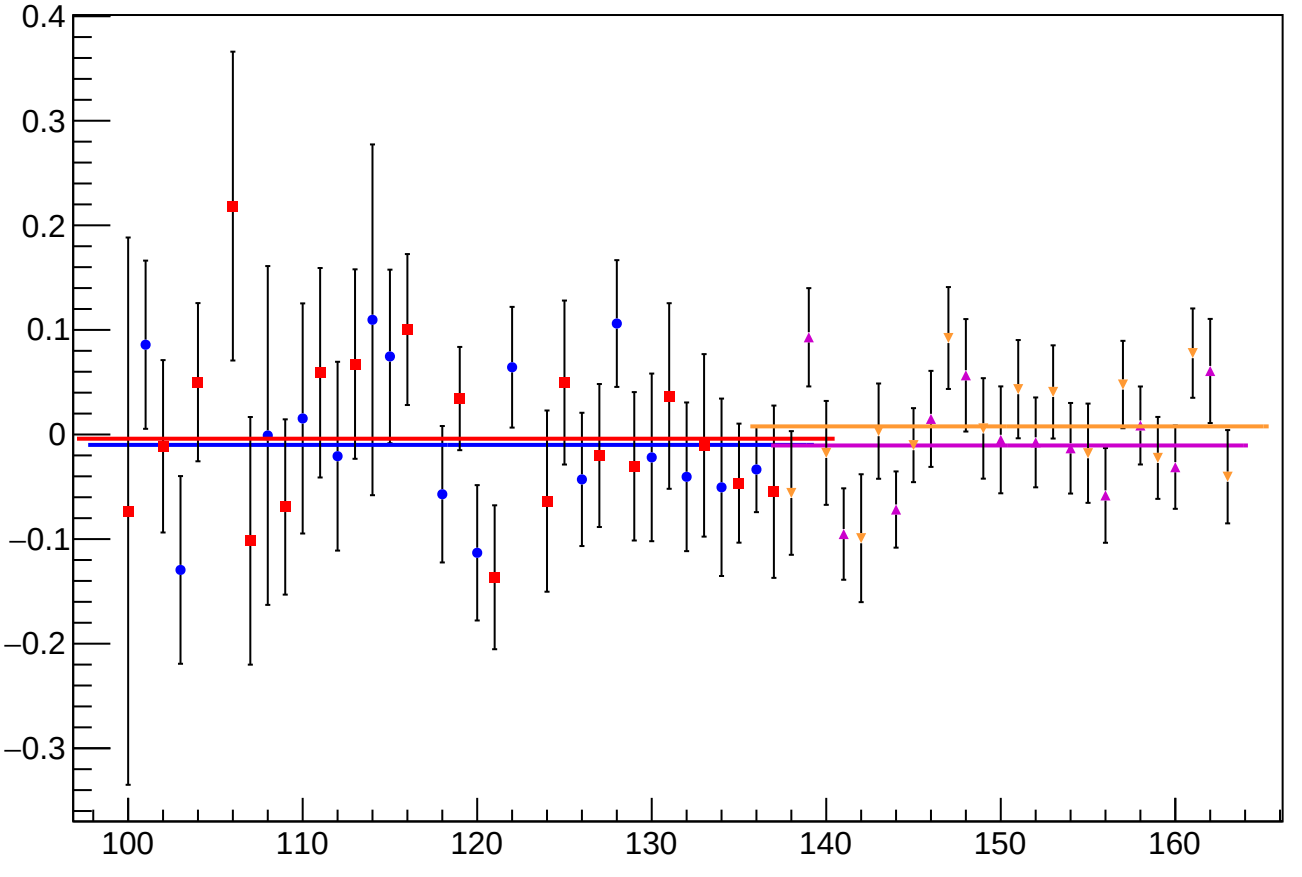
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:3931115.1/27

Out: 0.000+/-0.000 χ^2/NDF:4265058.8/32

All: 0.000+/-0.000 χ^2/NDF: 8198673.8/60

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:17.0/11

Left: -0.001+/-0.009 χ^2/NDF: 32.6/25

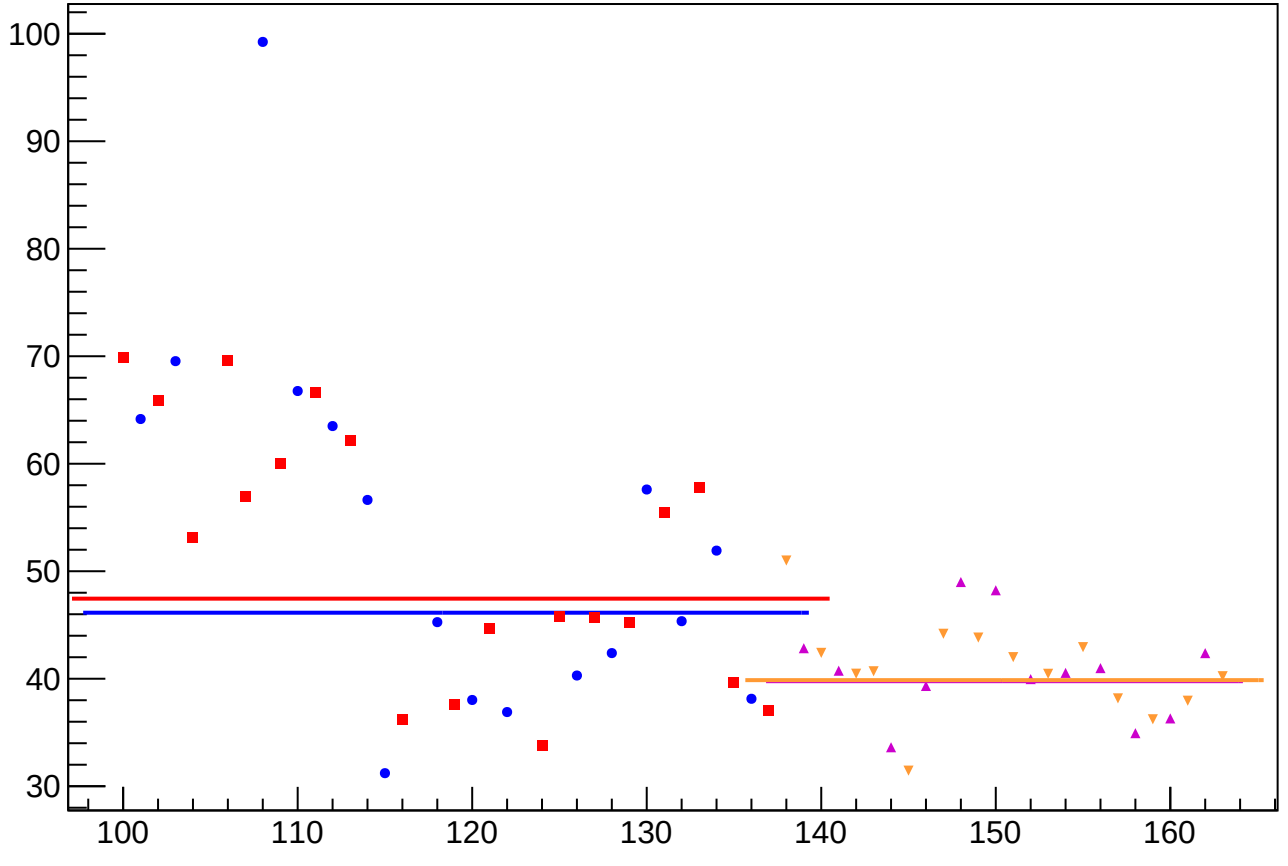
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:31.2/27

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.003+/-0.007 χ^2/NDF: 60.9/60

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.868+/-0.009 χ^2/NDF:257044.4/13

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.771+/-0.009 χ^2/NDF:236610.0/11

Left: 39.822+/-0.006 χ^2/NDF: 493716.1/25

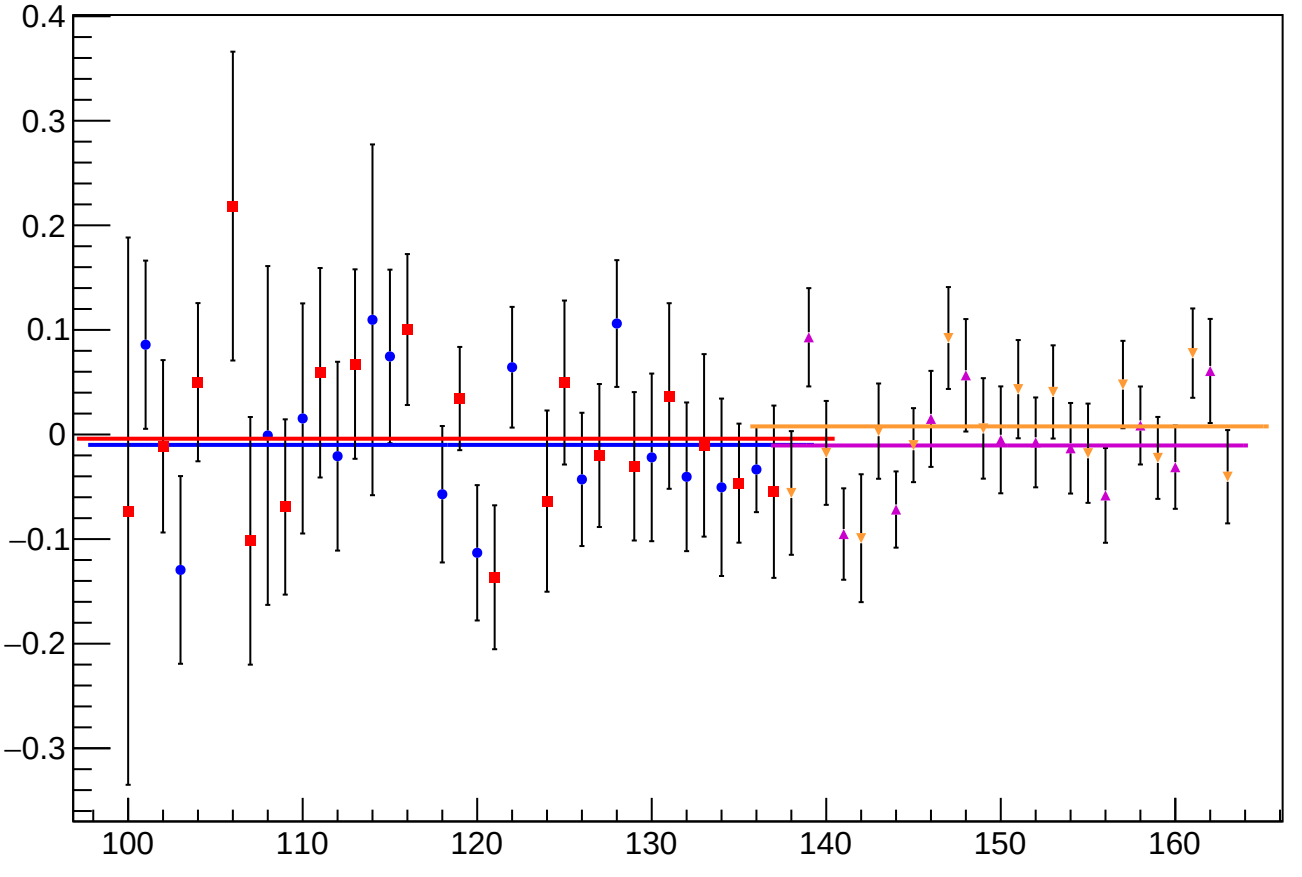
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.878+/-0.007 χ^2/NDF:1307670.7/27

Out: 42.225+/-0.007 χ^2/NDF:1153730.5/32

All: 42.056+/-0.005 χ^2/NDF: 2462554.9/60

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:17.0/11

Left: -0.001+/-0.009 χ^2/NDF: 32.6/25

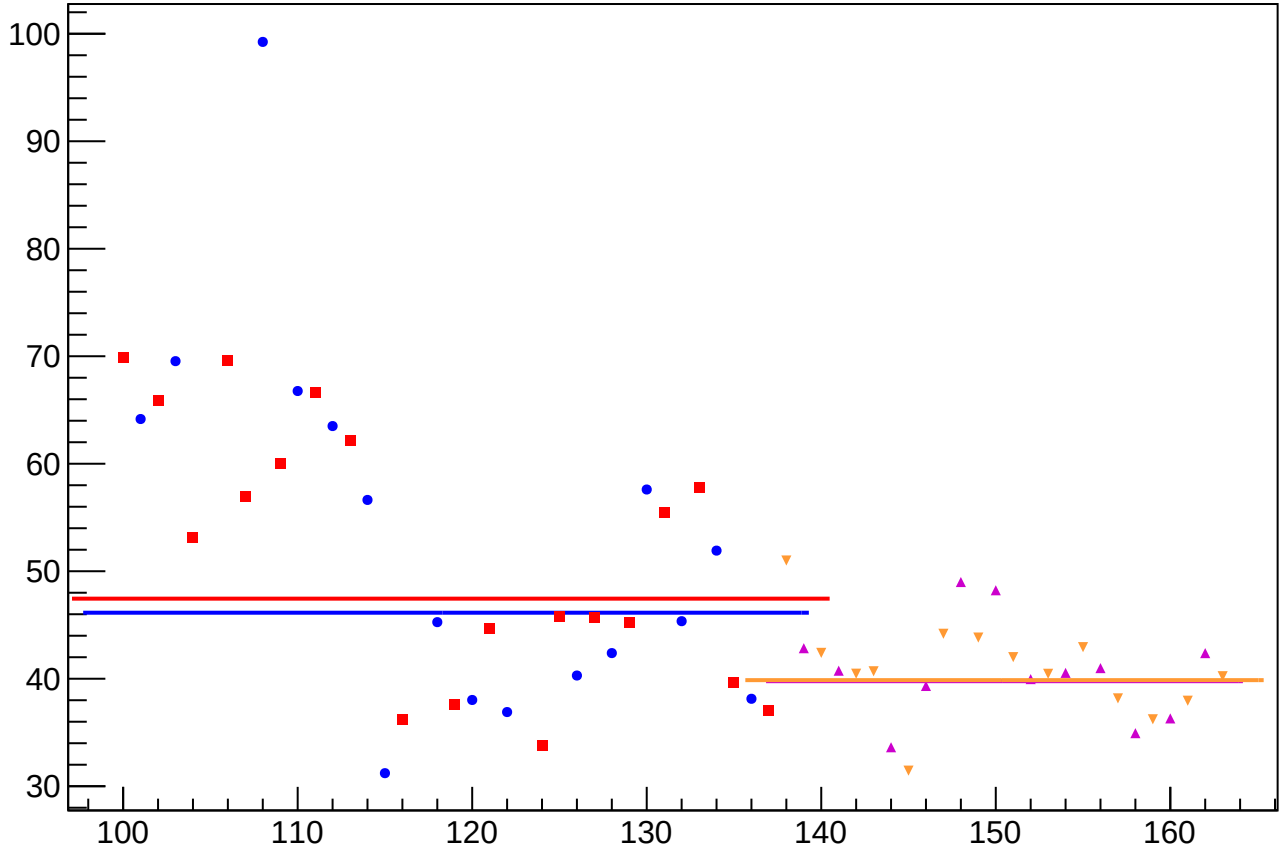
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:31.2/27

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.003+/-0.007 χ^2/NDF: 60.9/60

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 39.868+/-0.009 χ^2/NDF:257044.4/13

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 39.771+/-0.009 χ^2/NDF:236610.0/11

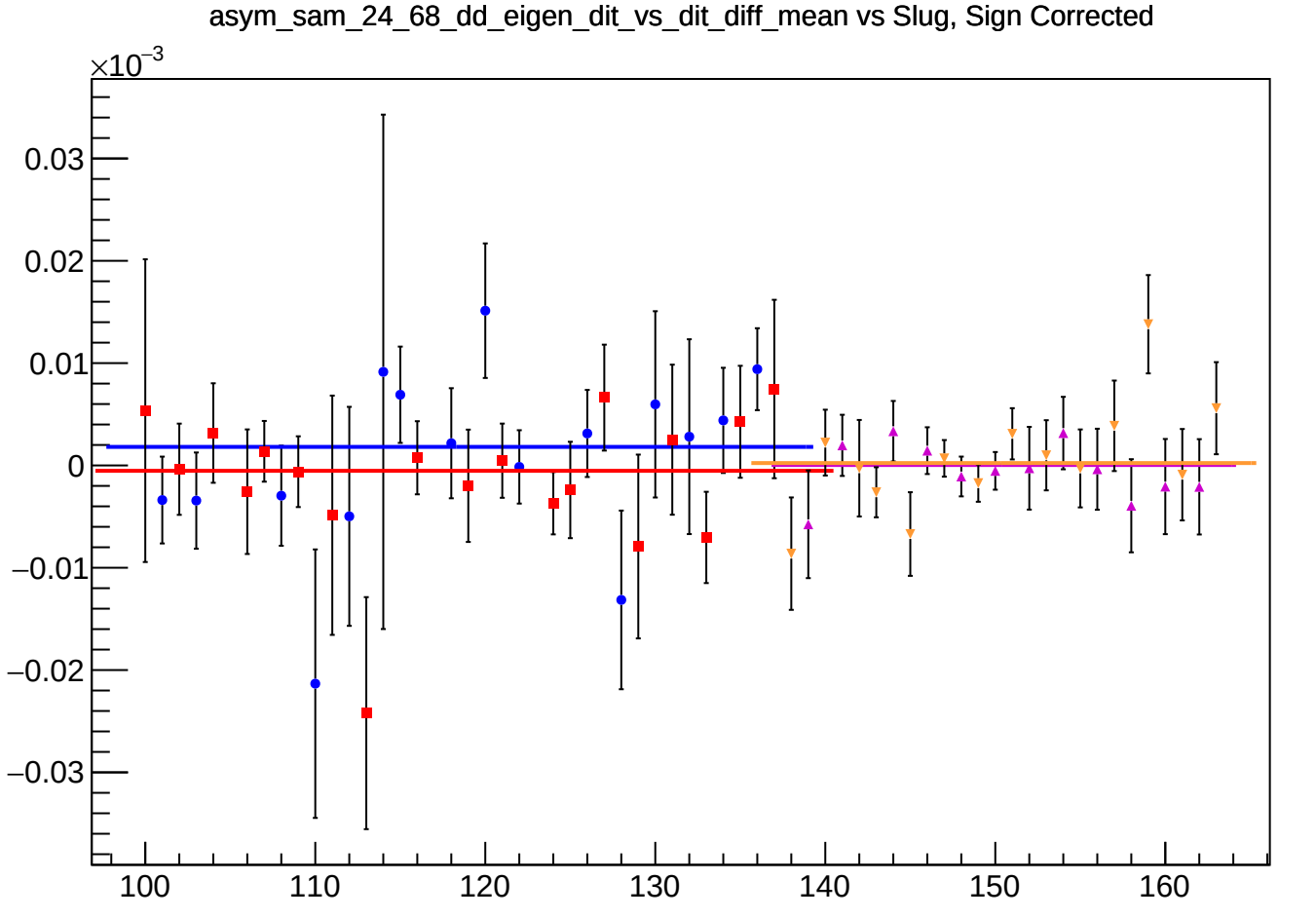
Left: 39.822+/-0.006 χ^2/NDF: 493716.1/25

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 41.878+/-0.007 χ^2/NDF:1307670.7/27

Out: 42.225+/-0.007 χ^2/NDF:1153730.5/32

All: 42.056+/-0.005 χ^2/NDF: 2462554.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.7/11

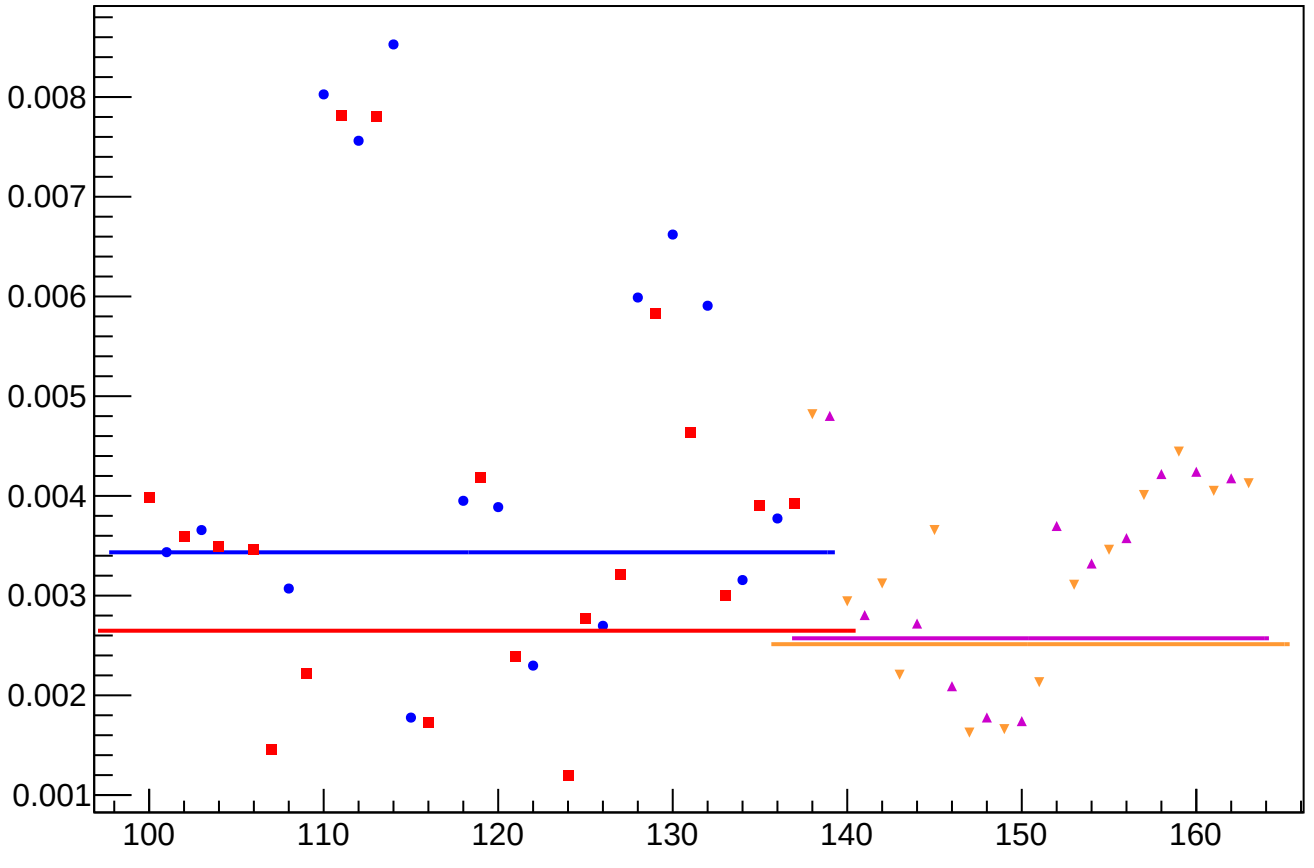
Left: 0.000+/-0.000 χ^2/NDF: 25.7/25

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:26.8/27

Out: -0.000+/-0.000 χ^2/NDF:34.1/32

All: 0.000+/-0.000 χ^2/NDF: 61.2/60



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2816501.8/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2336967.5/11

Left: 0.003+/-0.000 χ^2/NDF: 5158469.4/25

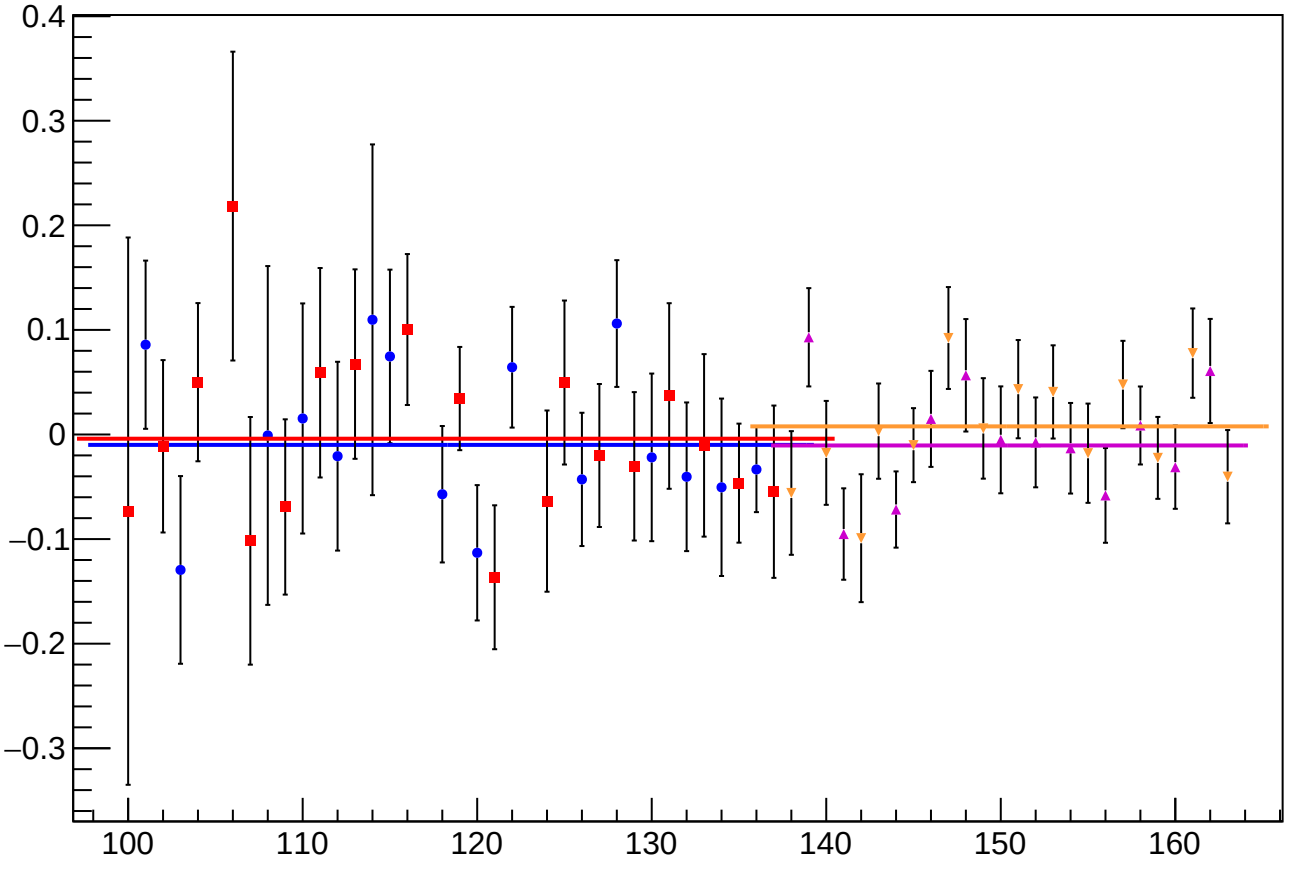
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4653324.2/27

Out: 0.003+/-0.000 χ^2/NDF:5533132.9/32

All: 0.003+/-0.000 χ^2/NDF: 10321183.9/60

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: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:17.0/11

Left: -0.001+/-0.009 χ^2/NDF: 32.6/25

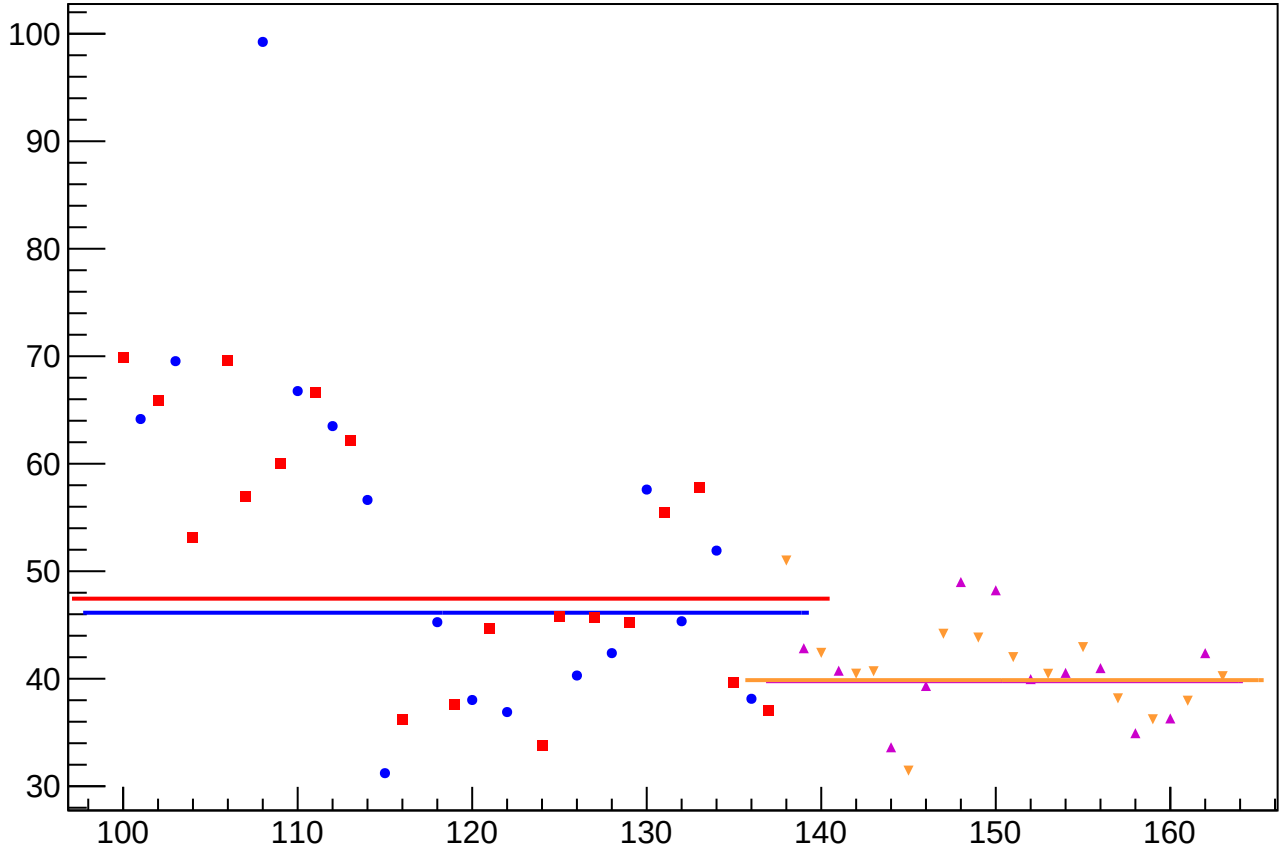
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:31.2/27

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.003+/-0.007 χ^2/NDF: 60.9/60

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.868+/-0.009 χ^2/NDF:257059.7/13

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.771+/-0.009 χ^2/NDF:236639.6/11

Left: 39.822+/-0.006 χ^2/NDF: 493761.4/25

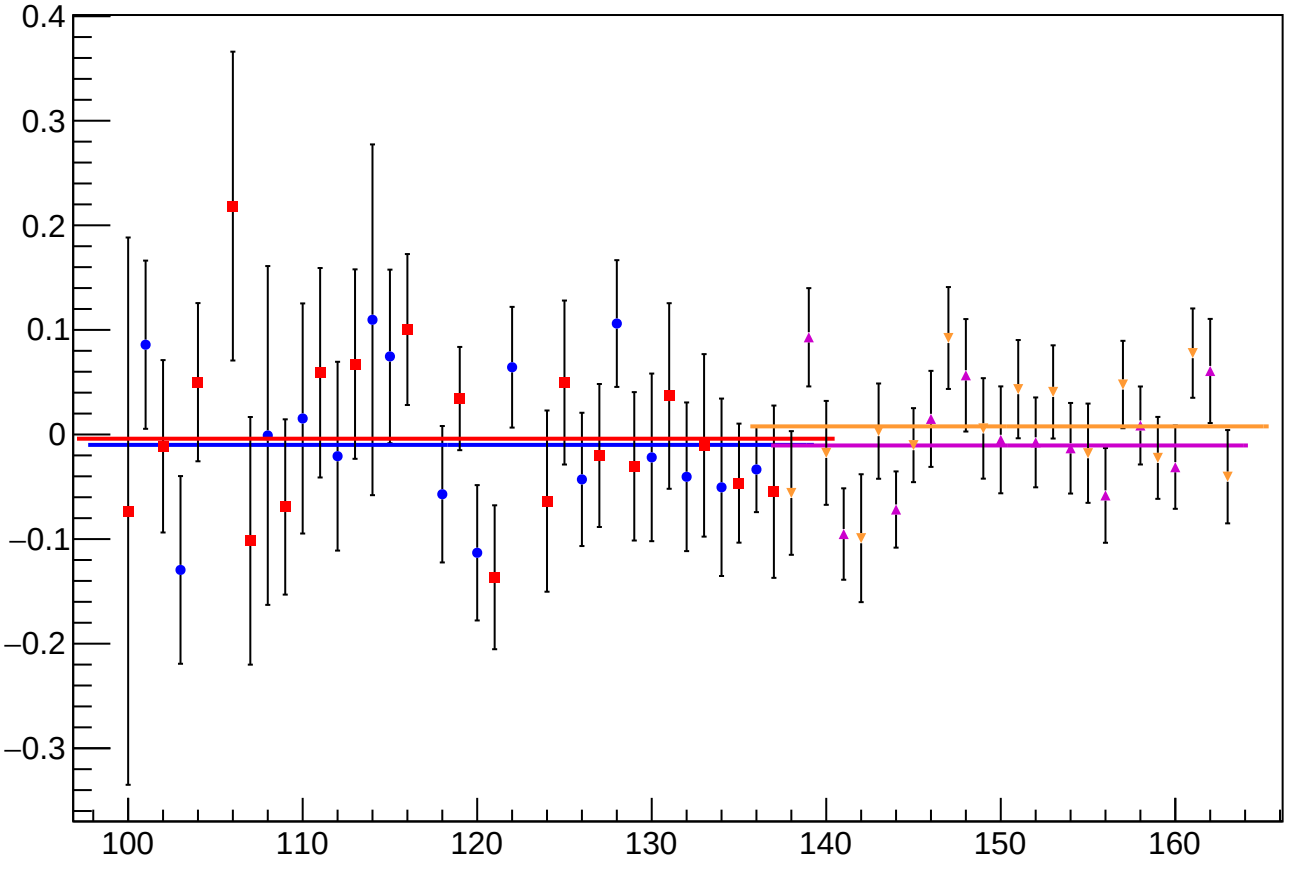
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.878+/-0.007 χ^2/NDF:1307605.3/27

Out: 42.225+/-0.007 χ^2/NDF:1153656.6/32

All: 42.056+/-0.005 χ^2/NDF: 2462418.4/60

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.008+/-0.012 χ^2/NDF:14.5/13

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.010+/-0.013 χ^2/NDF:17.0/11

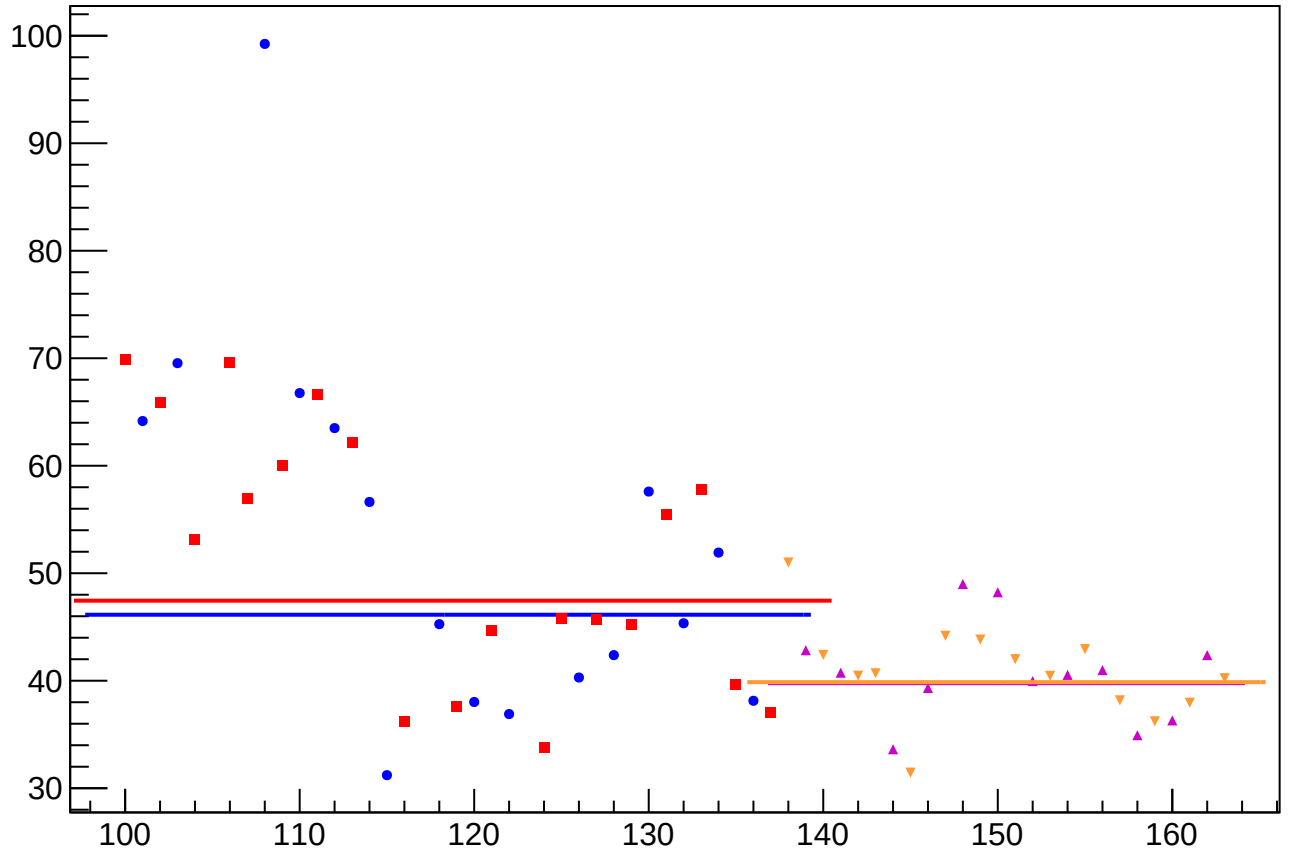
Left: -0.001+/-0.009 χ^2/NDF: 32.6/25

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.010+/-0.010 χ^2/NDF:31.2/27

Out: 0.004+/-0.010 χ^2/NDF:28.7/32

All: -0.003+/-0.007 χ^2/NDF: 60.9/60



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 39.868+/-0.009 χ^2/NDF:257059.7/13

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 39.771+/-0.009 χ^2/NDF:236639.6/11

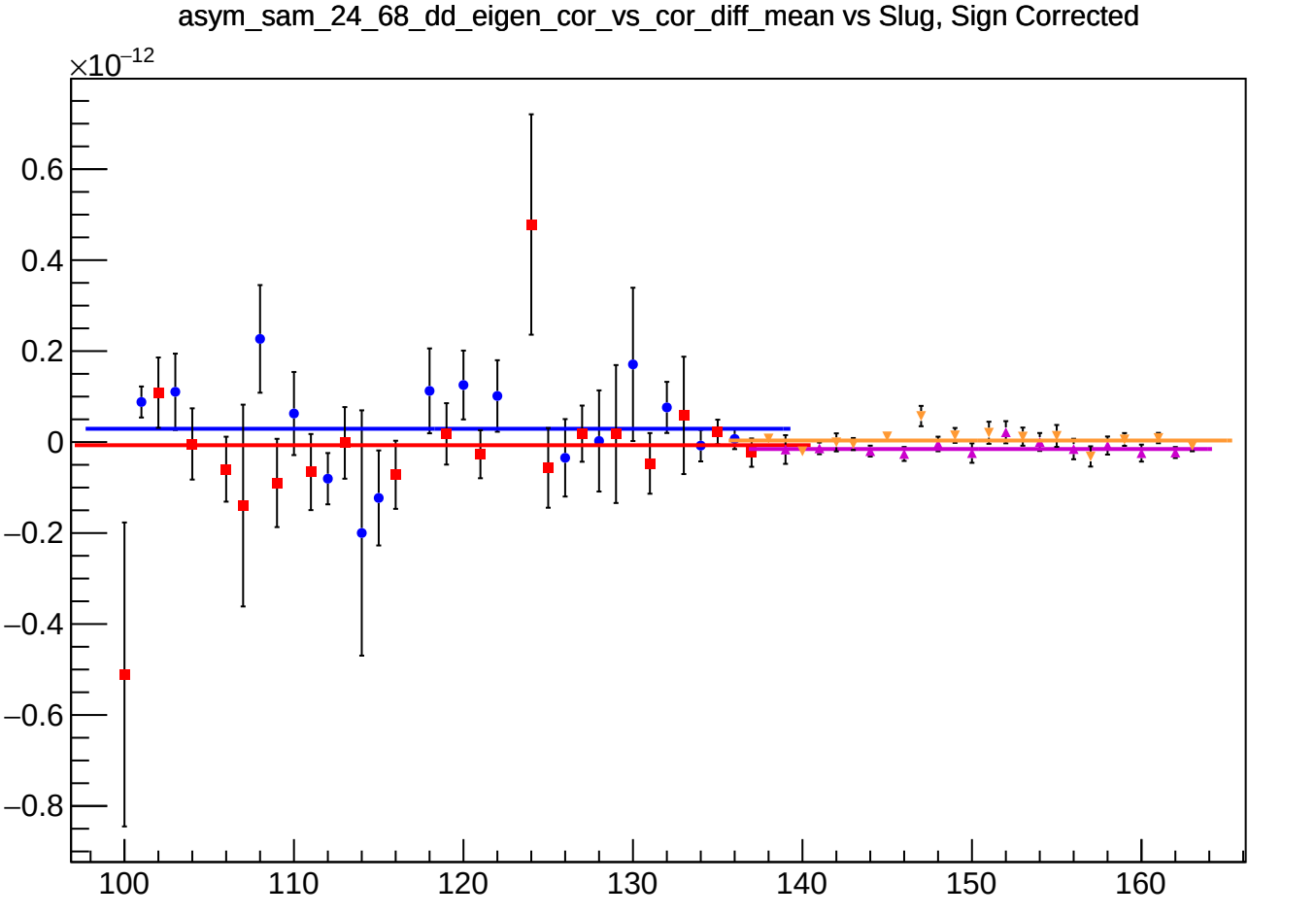
Left: 39.822+/-0.006 χ^2/NDF: 493761.4/25

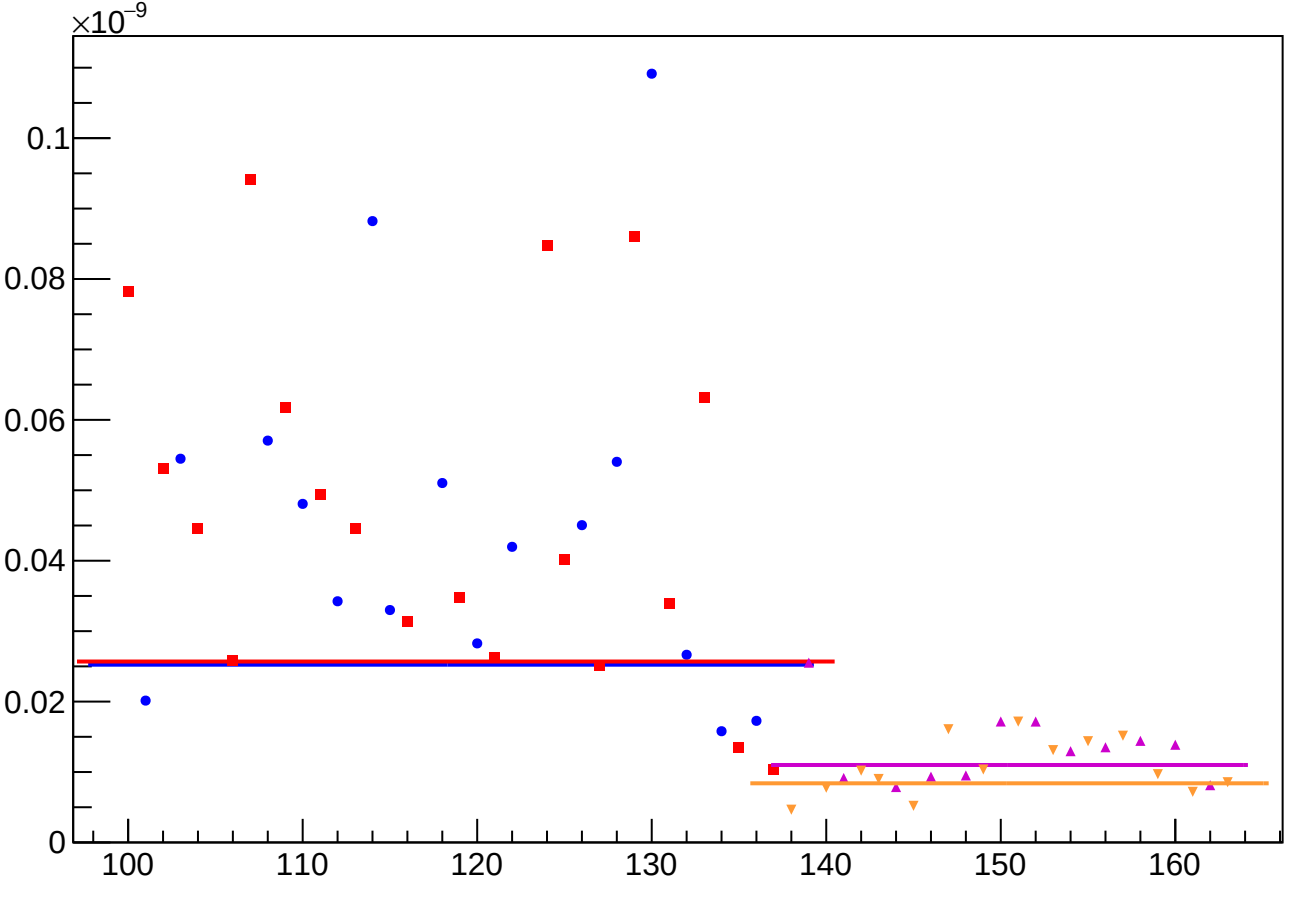
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 41.878+/-0.007 χ^2/NDF:1307605.3/27

Out: 42.225+/-0.007 χ^2/NDF:1153656.6/32

All: 42.056+/-0.005 χ^2/NDF: 2462418.4/60


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.2/13
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:5.0/11
Left: -0.000+/-0.000 χ²/NDF: 31.6/25
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:35.5/27
Out: 0.000+/-0.000 χ²/NDF:31.9/32
All: -0.000+/-0.000 χ²/NDF: 72.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1528227.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1201646.1/11

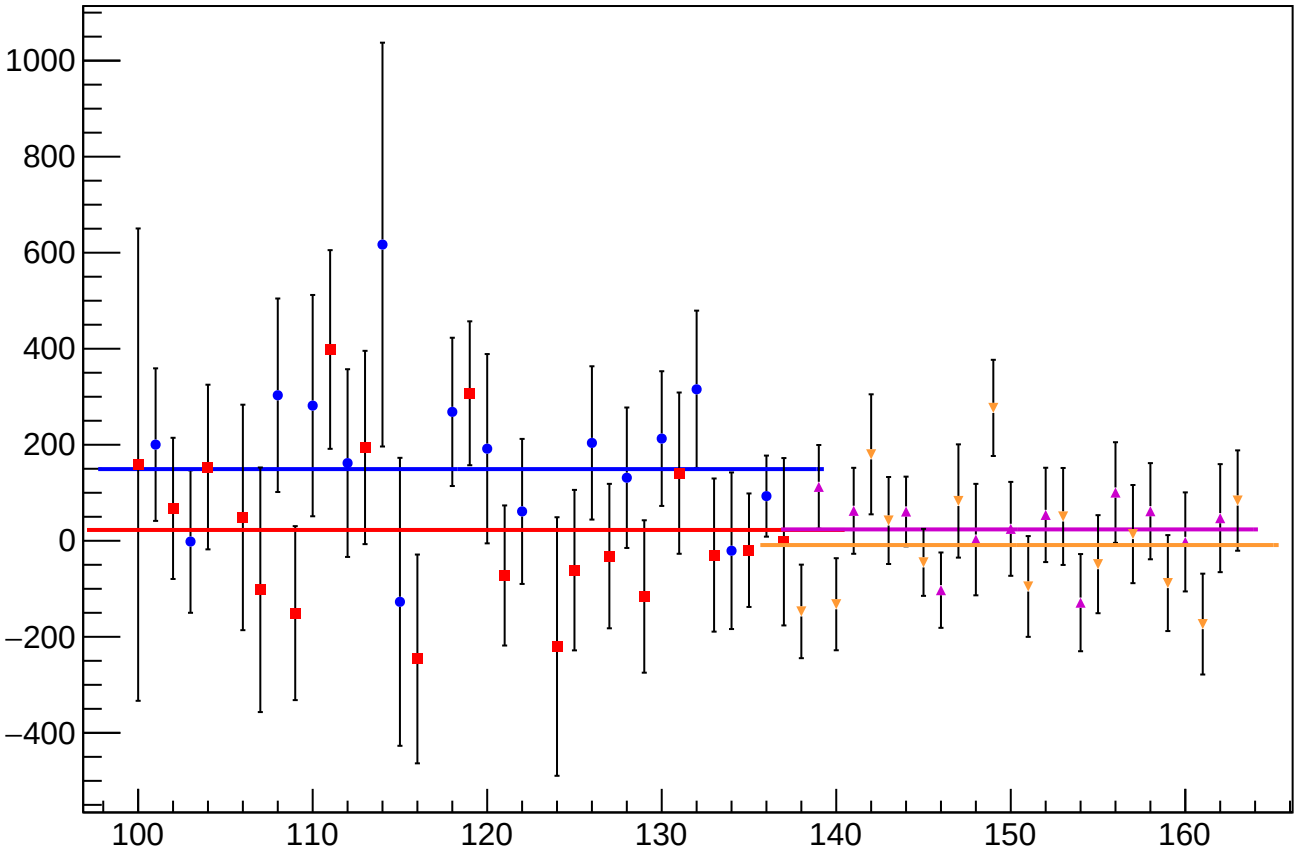
Left: 0.000+/-0.000 χ^2/NDF: 3092528.6/25

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5288476.1/27

Out: 0.000+/-0.000 χ^2/NDF:7041473.6/32

All: 0.000+/-0.000 χ^2/NDF: 12904665.7/60



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.877+/-26.353 χ^2/NDF:20.4/13

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 23.701+/-27.194 χ^2/NDF:7.3/11

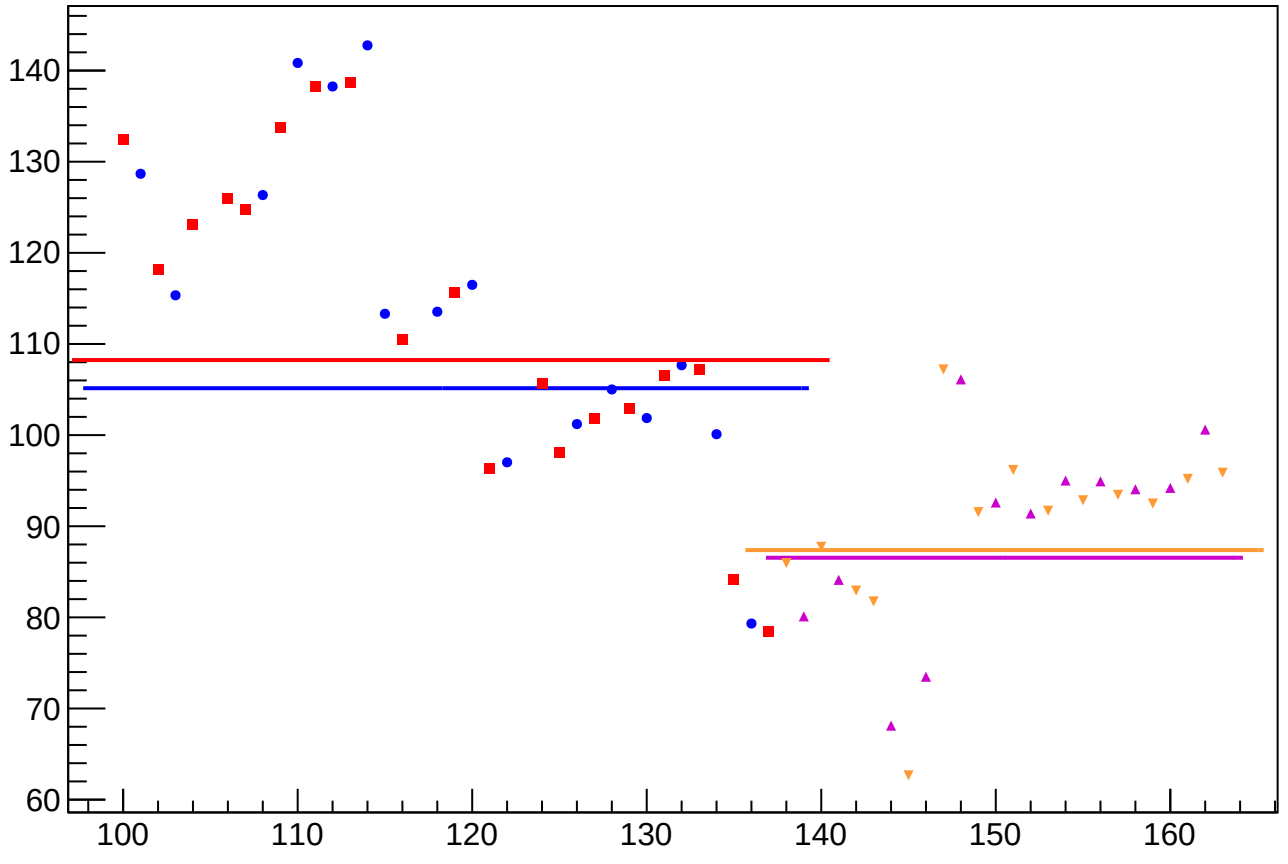
Left: 6.901+/-18.925 χ^2/NDF: 28.4/25

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 63.831+/-22.433 χ^2/NDF:22.1/27

Out: 0.602+/-22.023 χ^2/NDF:35.0/32

All: 31.634+/-15.716 χ^2/NDF: 61.2/60



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 86.543+/-0.019 χ^2/NDF:346274.3/11

Left: 86.976+/-0.013 χ^2/NDF: 728931.0/25

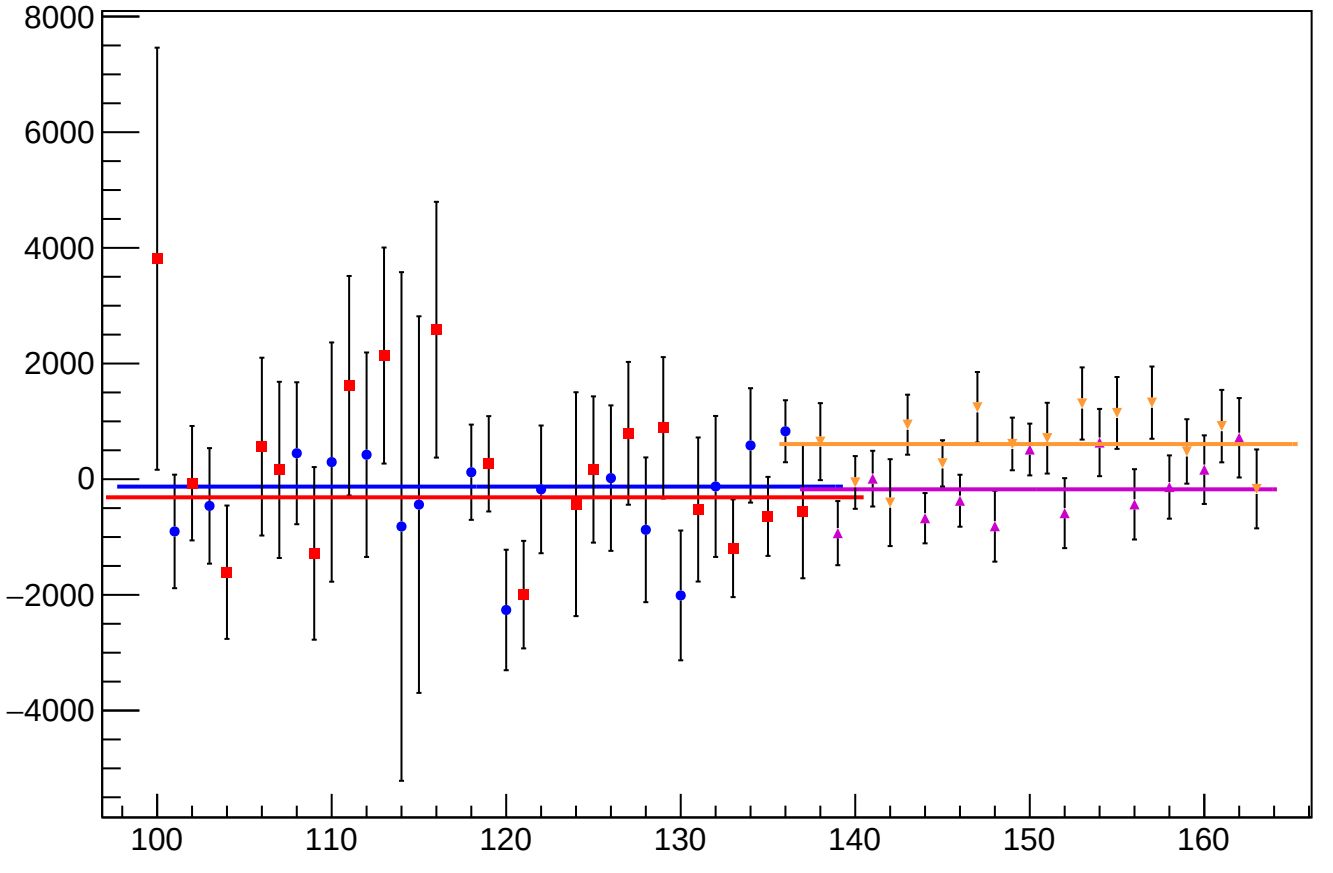
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 92.487+/-0.016 χ^2/NDF:1053735.3/27

Out: 93.672+/-0.016 χ^2/NDF:1109176.6/32

All: 93.090+/-0.011 χ^2/NDF: 2165757.3/60

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: 607.548+/-149.710 χ^2/NDF:11.1/13

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -174.924+/-154.024 χ^2/NDF:11.6/11

Left: 227.426+/-107.354 χ^2/NDF: 35.9/25

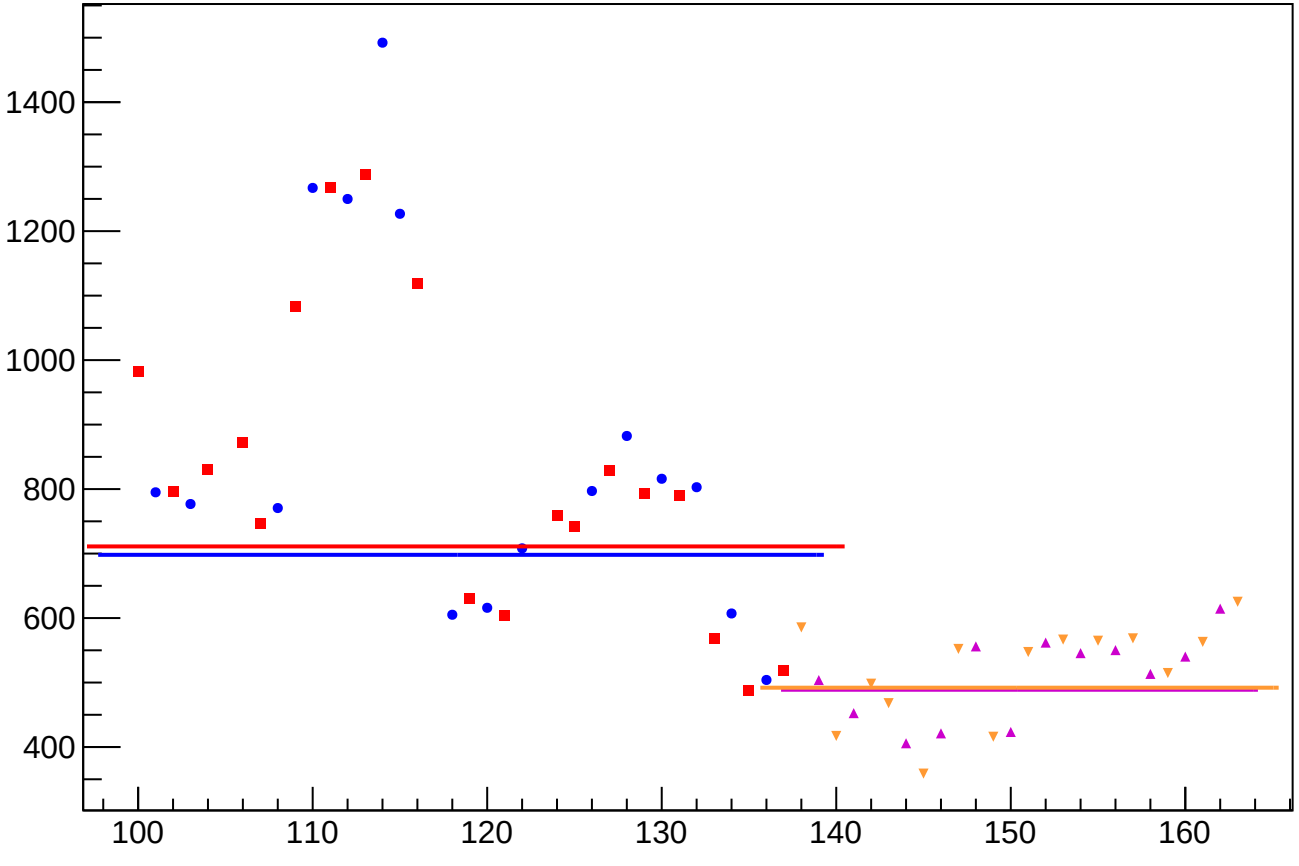
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -163.327+/-133.616 χ^2/NDF:23.9/27

Out: 391.233+/-130.944 χ^2/NDF:35.0/32

All: 119.554+/-93.522 χ^2/NDF: 67.7/60

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 492.020+/-0.106 χ^2/NDF:602397.8/13

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 488.841+/-0.109 χ^2/NDF:352617.3/11

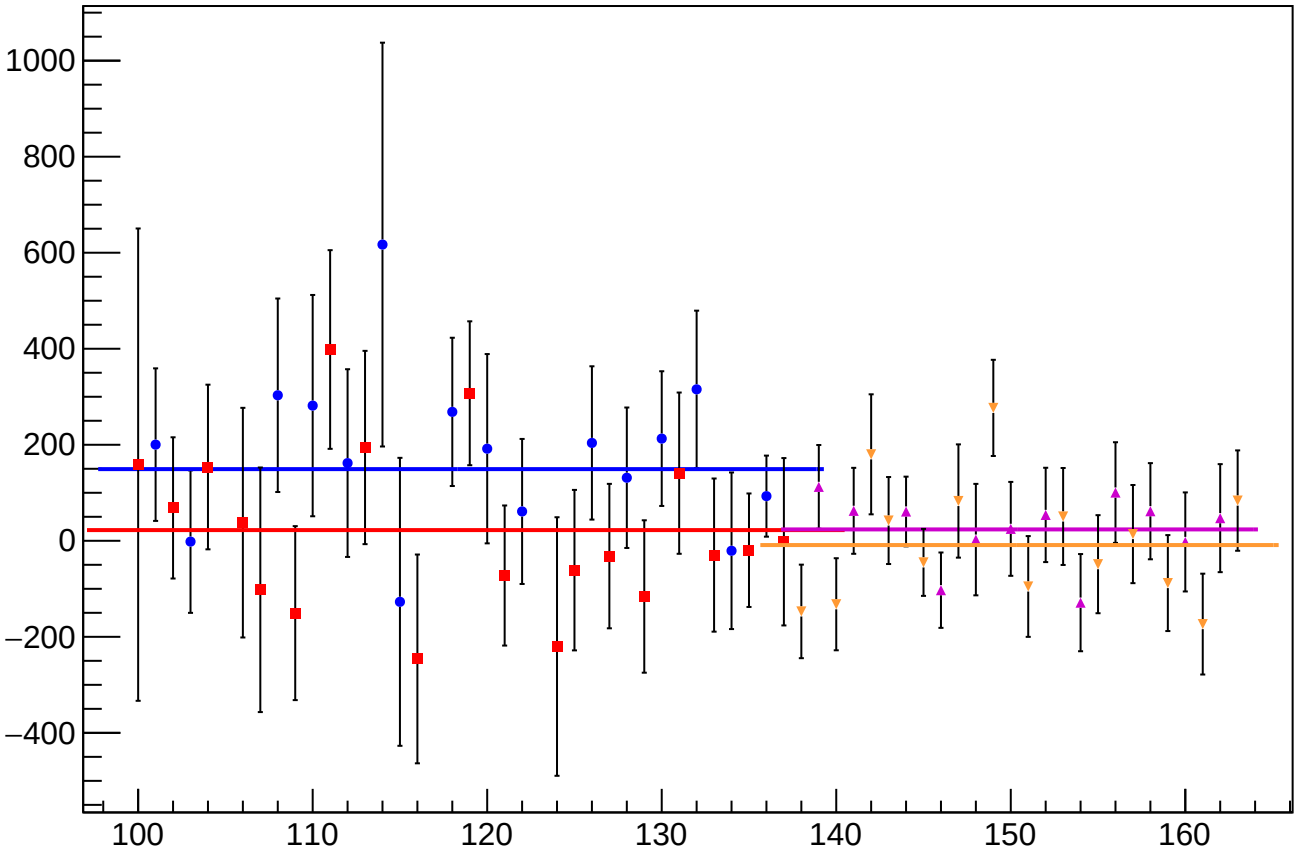
Left: 490.476+/-0.076 χ^2/NDF: 955453.1/25

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 540.609+/-0.094 χ^2/NDF:2178533.6/27

Out: 543.496+/-0.093 χ^2/NDF:2643782.8/32

All: 542.082+/-0.066 χ^2/NDF: 4822792.6/60



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -8.878+/-26.353 χ^2/NDF:20.4/13

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 23.700+/-27.194 χ^2/NDF:7.3/11

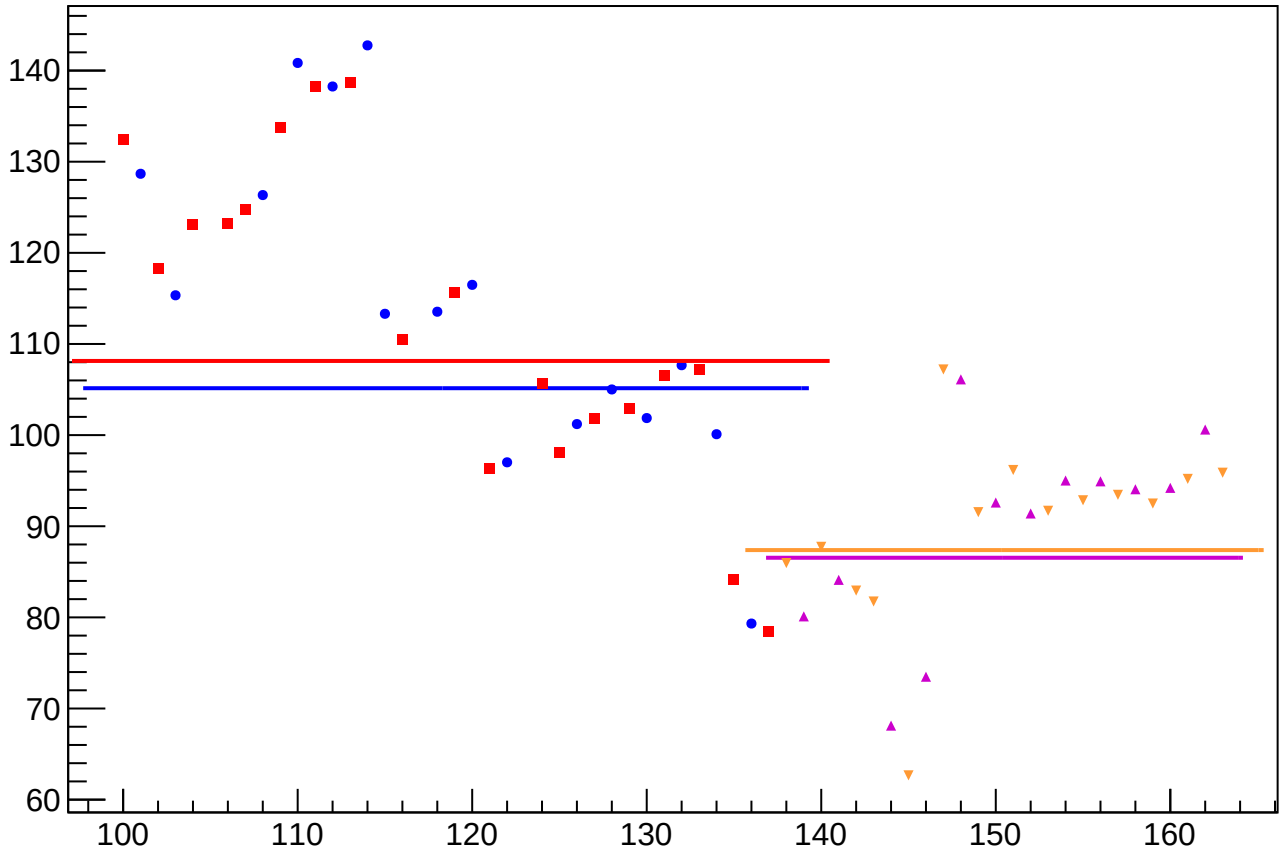
Left: 6.900+/-18.925 χ^2/NDF: 28.4/25

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 63.827+/-22.433 χ^2/NDF:22.1/27

Out: 0.518+/-22.027 χ^2/NDF:35.0/32

All: 31.595+/-15.717 χ^2/NDF: 61.2/60



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.543+/-0.019 χ^2/NDF:346274.4/11

Left: 86.976+/-0.013 χ^2/NDF: 728931.0/25

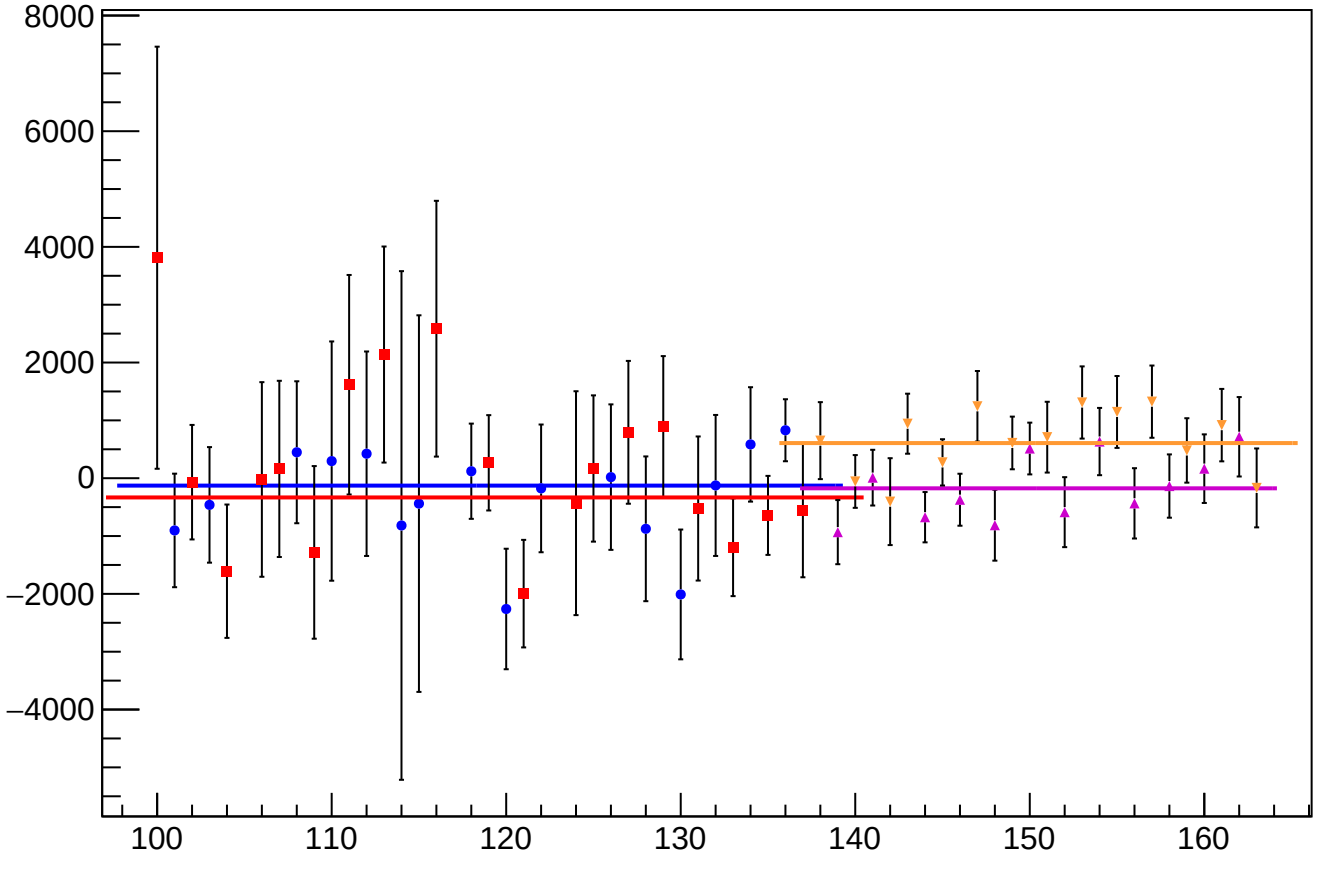
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.487+/-0.016 χ^2/NDF:1053735.6/27

Out: 93.638+/-0.016 χ^2/NDF:1101791.7/32

All: 93.073+/-0.011 χ^2/NDF: 2158211.9/60

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: 607.549+/-149.710 χ^2/NDF:11.1/13

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -174.922+/-154.025 χ^2/NDF:11.6/11

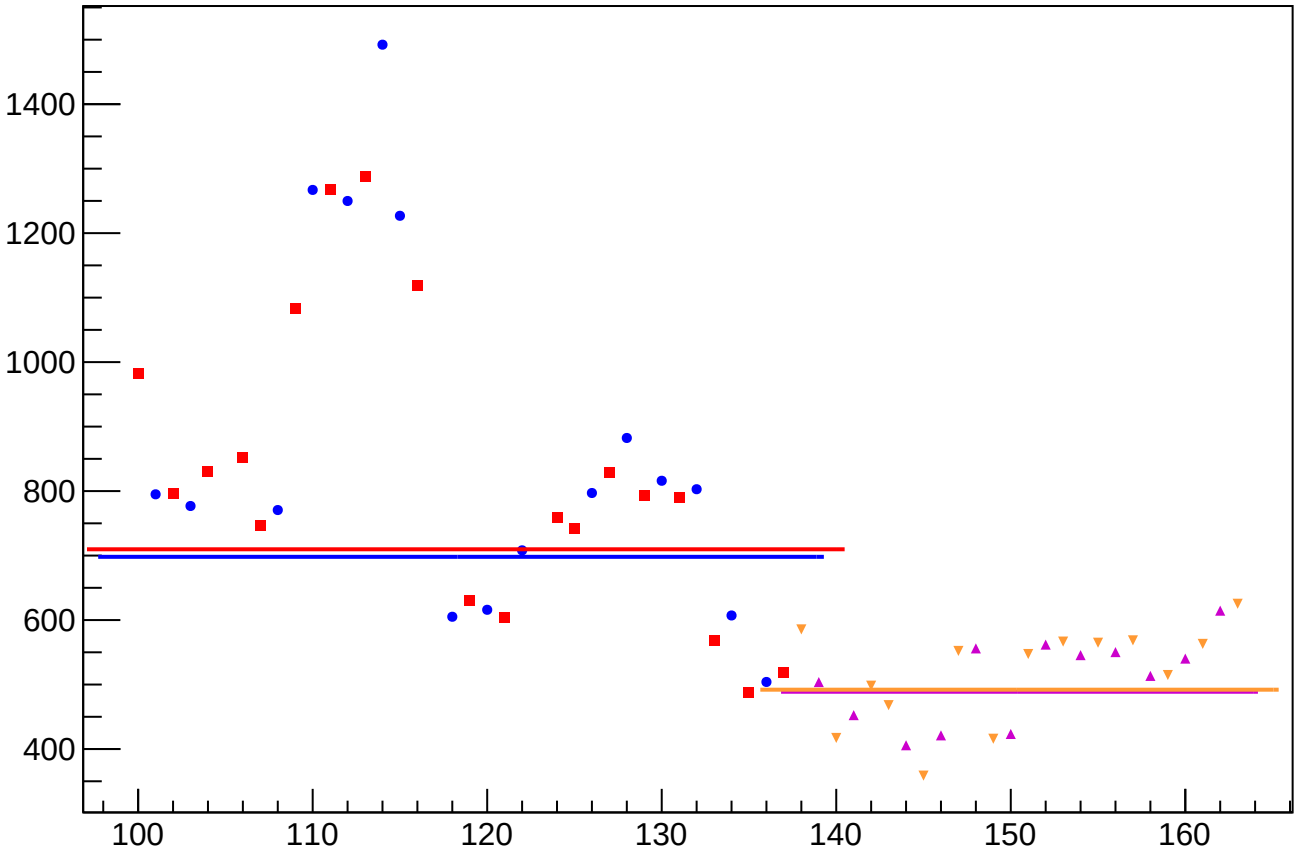
Left: 227.427+/-107.354 χ^2/NDF: 35.9/25

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -163.323+/-133.617 χ^2/NDF:23.9/27

Out: 387.499+/-131.024 χ^2/NDF:35.0/32

All: 117.483+/-93.551 χ^2/NDF: 67.6/60



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 488.841+/-0.109 χ^2/NDF:352616.5/11

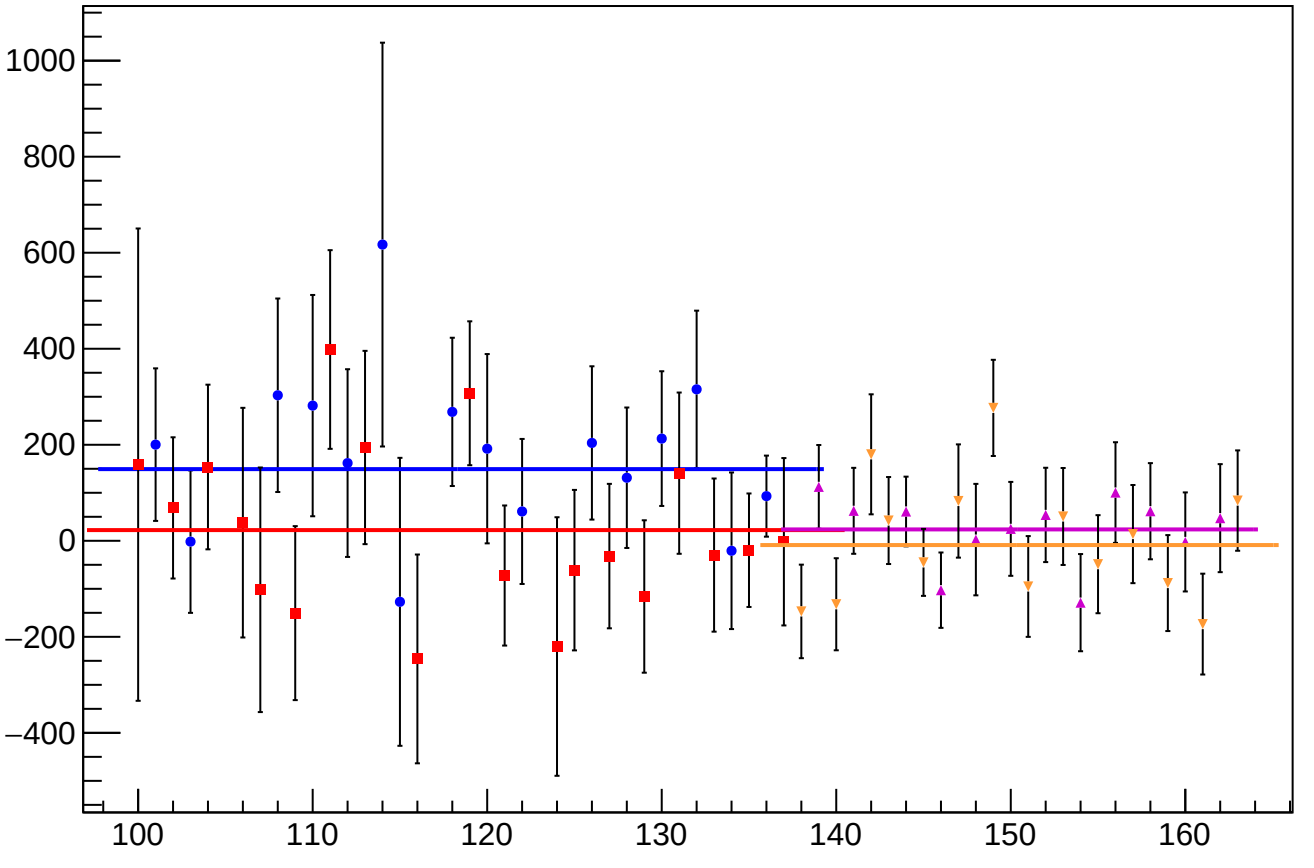
Left: 490.476+/-0.076 χ^2/NDF: 955452.5/25

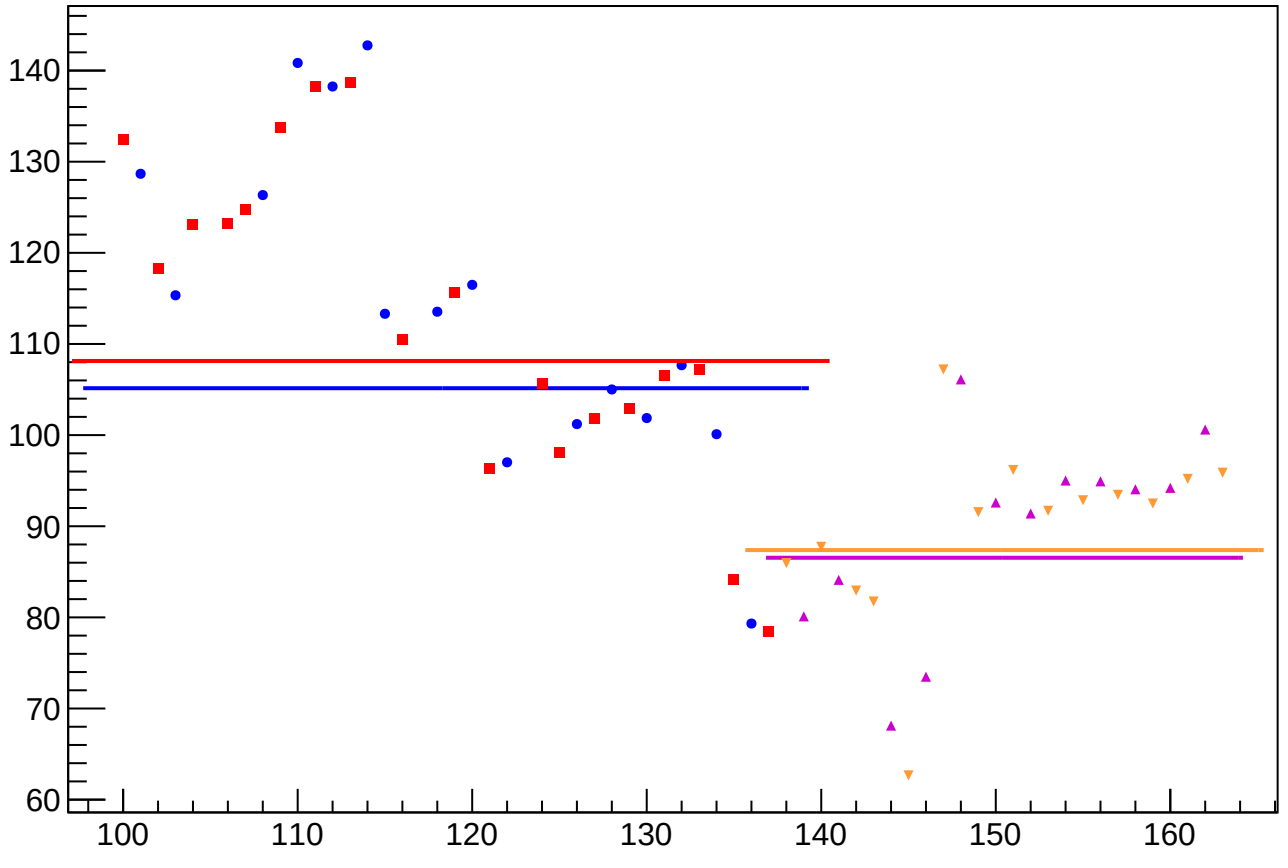
Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 540.609+/-0.094 χ^2/NDF:2178545.1/27

Out: 542.978+/-0.093 χ^2/NDF:2619556.0/32

All: 541.817+/-0.066 χ^2/NDF: 4798421.4/60


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -8.878+/-26.353 χ²/NDF:20.4/13
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: 23.700+/-27.194 χ²/NDF:7.3/11
Left: 6.900+/-18.925 χ²/NDF: 28.4/25
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 63.827+/-22.433 χ²/NDF:22.1/27
Out: 0.518+/-22.027 χ²/NDF:35.0/32
All: 31.595+/-15.717 χ²/NDF: 61.2/60



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 87.384+/-0.019 χ^2/NDF:381670.4/13

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 86.543+/-0.019 χ^2/NDF:346274.4/11

Left: 86.976+/-0.013 χ^2/NDF: 728931.0/25

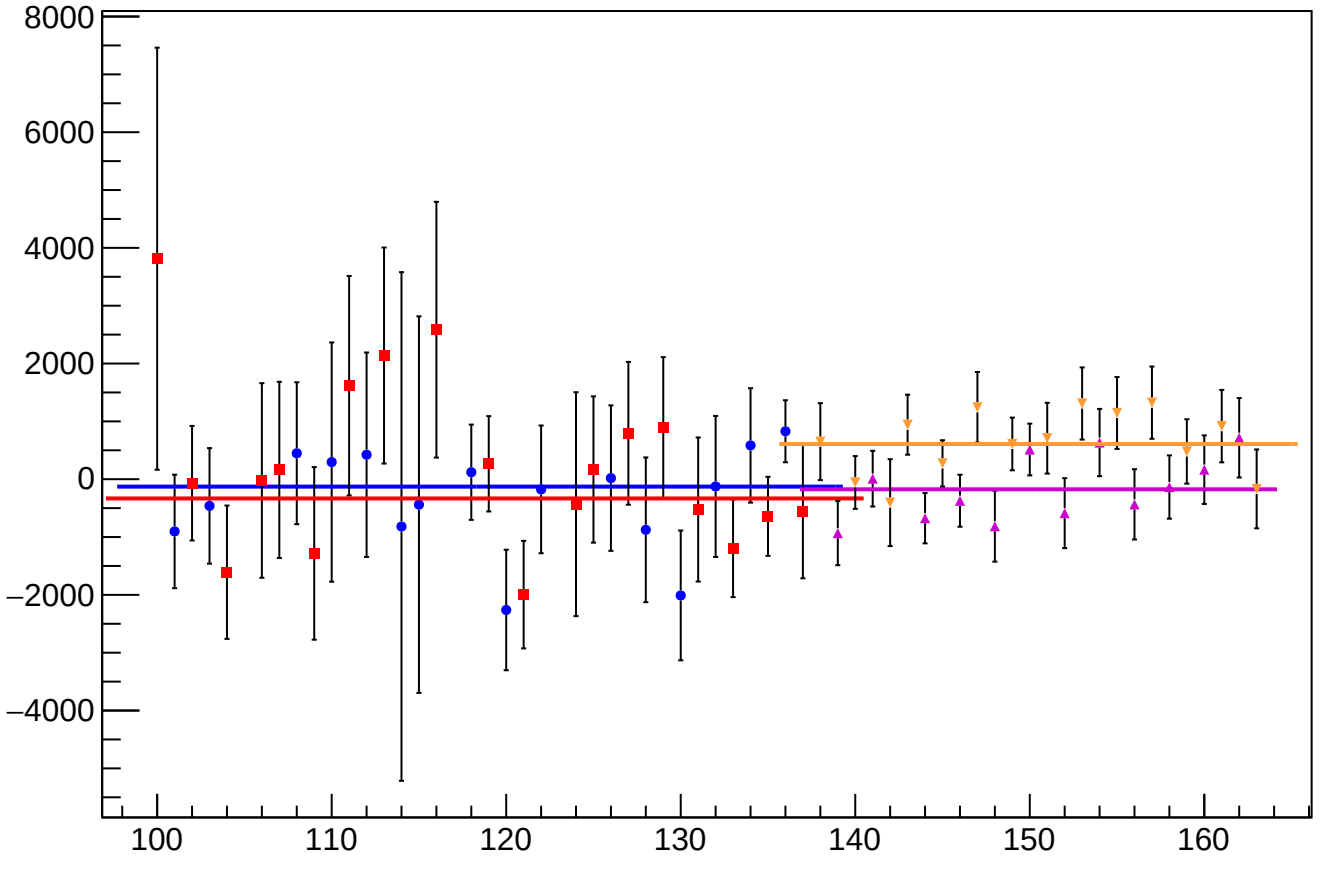
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 92.487+/-0.016 χ^2/NDF:1053735.6/27

Out: 93.638+/-0.016 χ^2/NDF:1101791.7/32

All: 93.073+/-0.011 χ^2/NDF: 2158211.9/60

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: 607.549+/-149.710 χ^2/NDF:11.1/13

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -174.922+/-154.025 χ^2/NDF:11.6/11

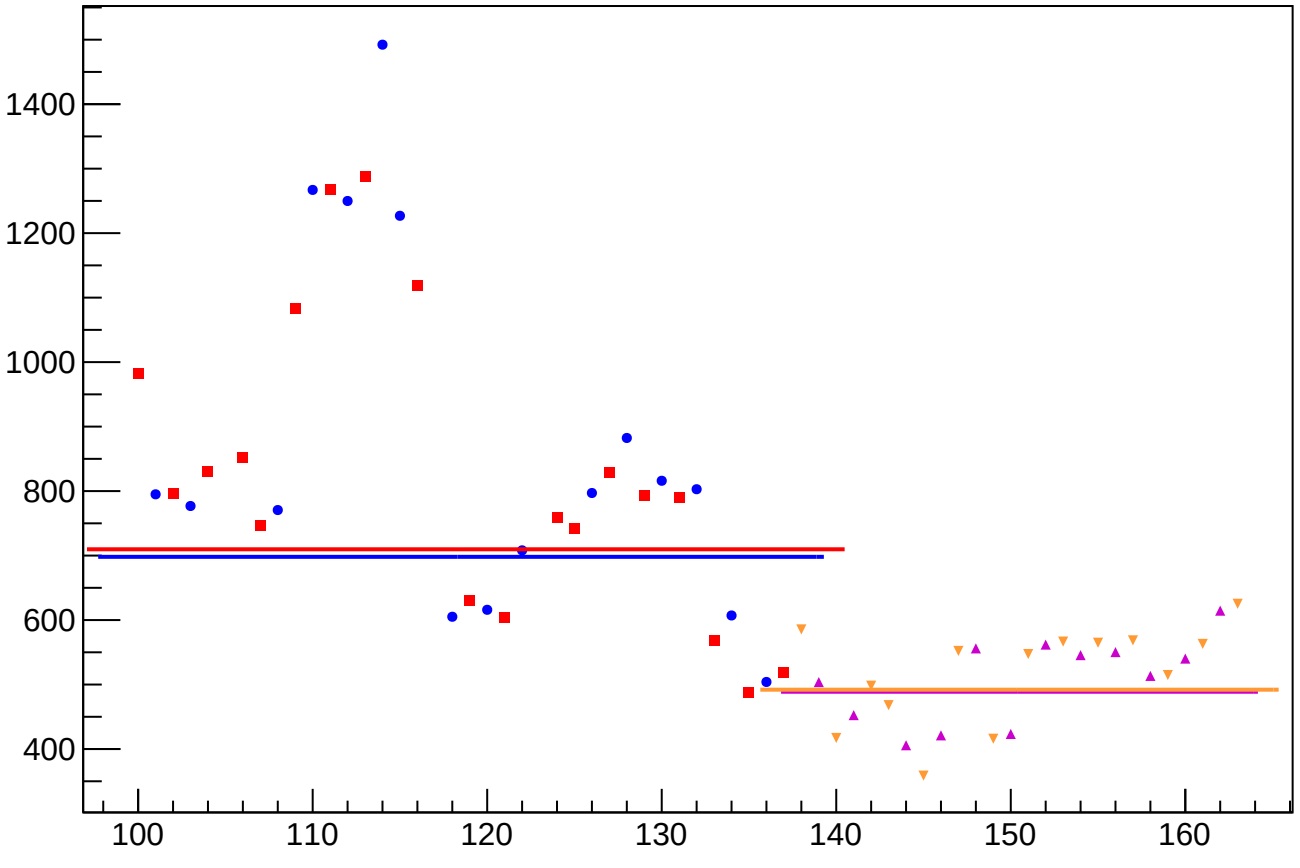
Left: 227.427+/-107.354 χ^2/NDF: 35.9/25

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -163.323+/-133.617 χ^2/NDF:23.9/27

Out: 387.499+/-131.024 χ^2/NDF:35.0/32

All: 117.483+/-93.551 χ^2/NDF: 67.6/60



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 492.020+/-0.106 χ^2/NDF:602398.0/13

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 488.841+/-0.109 χ^2/NDF:352616.5/11

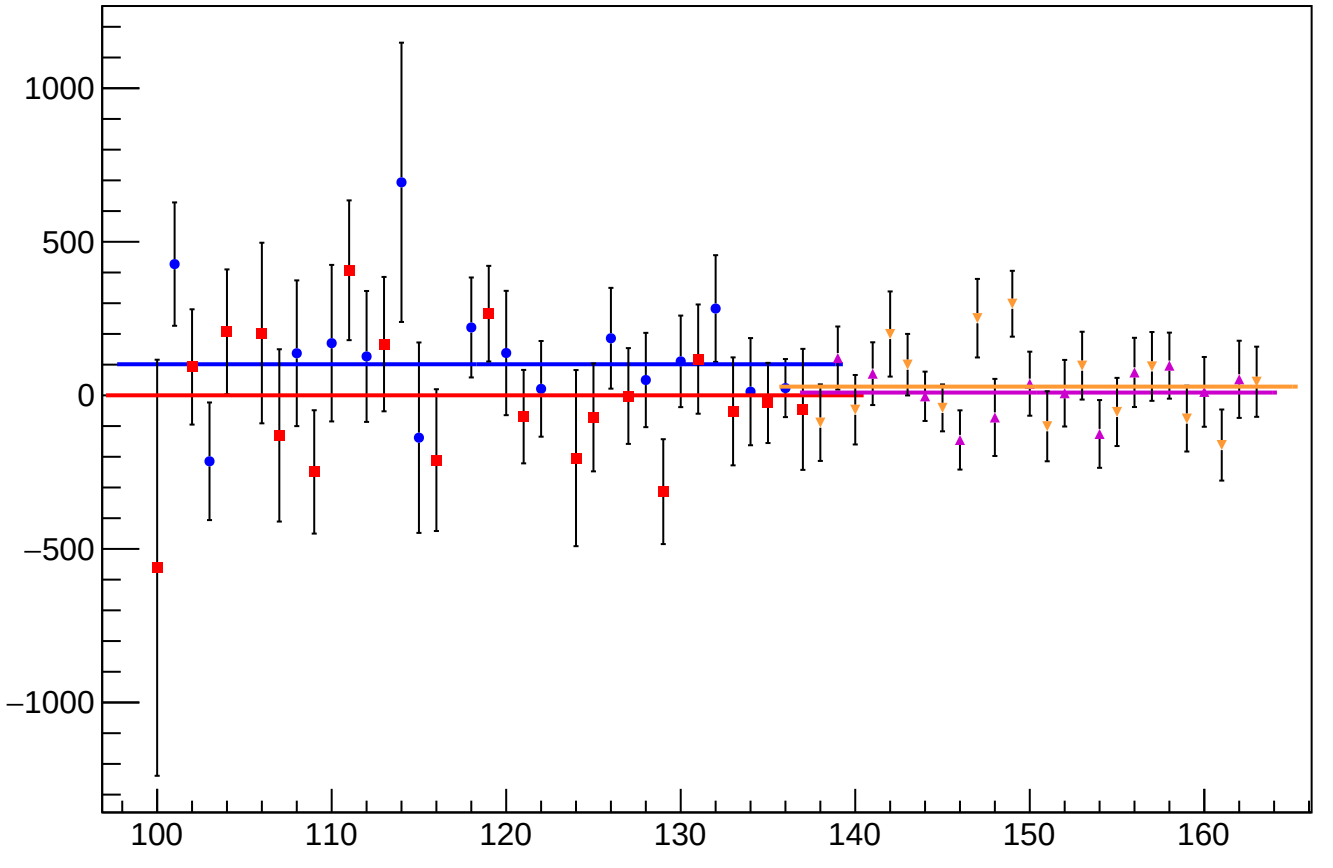
Left: 490.476+/-0.076 χ^2/NDF: 955452.5/25

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 540.609+/-0.094 χ^2/NDF:2178545.1/27

Out: 542.978+/-0.093 χ^2/NDF:2619556.0/32

All: 541.817+/-0.066 χ^2/NDF: 4798421.4/60



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.422+/-29.212 χ^2/NDF:19.8/13

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 9.087+/-30.403 χ^2/NDF:7.2/11

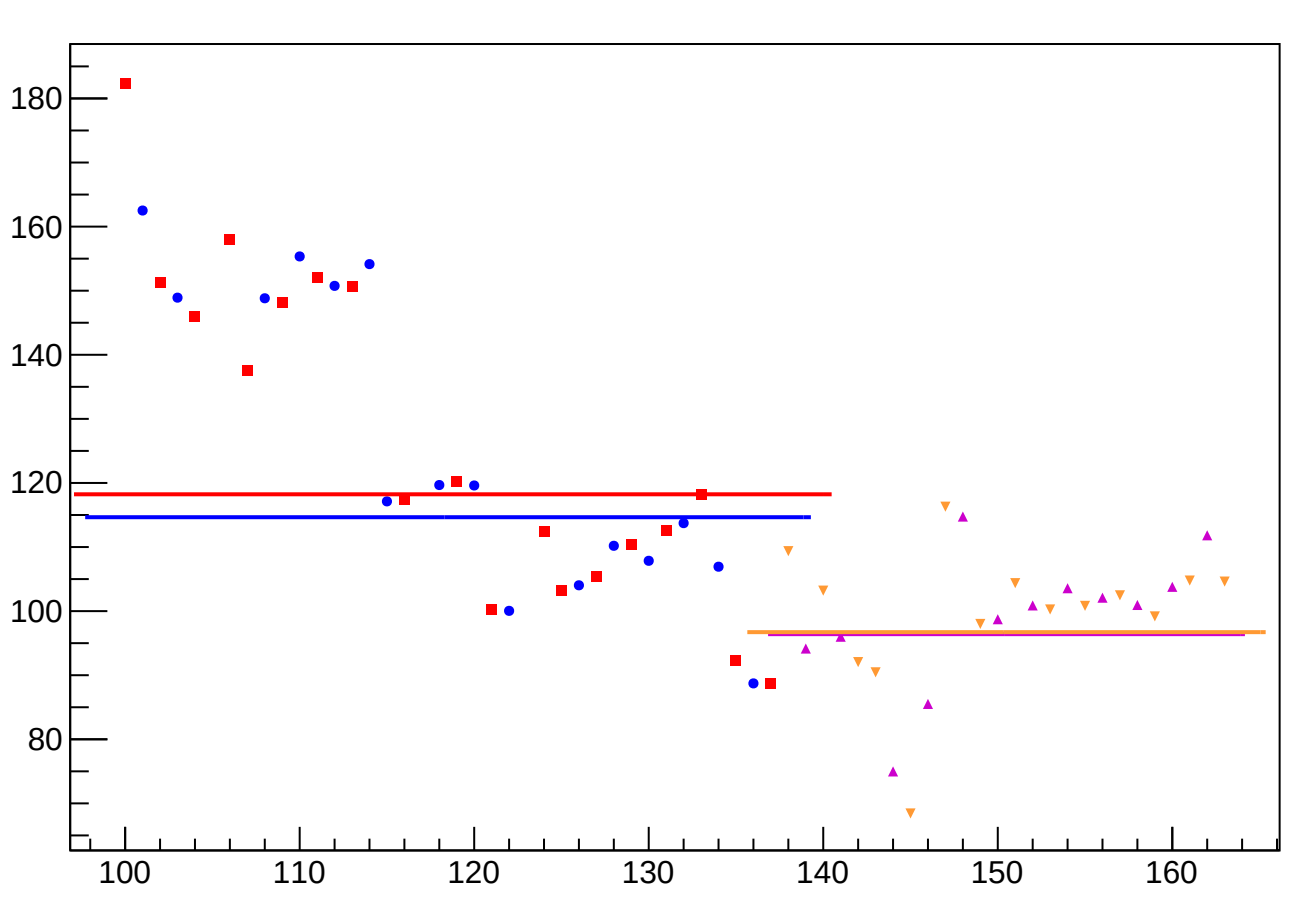
Left: 19.141+/-21.064 χ^2/NDF: 27.2/25

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 39.334+/-24.922 χ^2/NDF:21.3/27

Out: 19.775+/-24.342 χ^2/NDF:36.7/32

All: 29.324+/-17.414 χ^2/NDF: 58.3/60



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 96.720+/-0.021 χ^2/NDF:398014.4/13

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 96.406+/-0.021 χ^2/NDF:271583.1/11

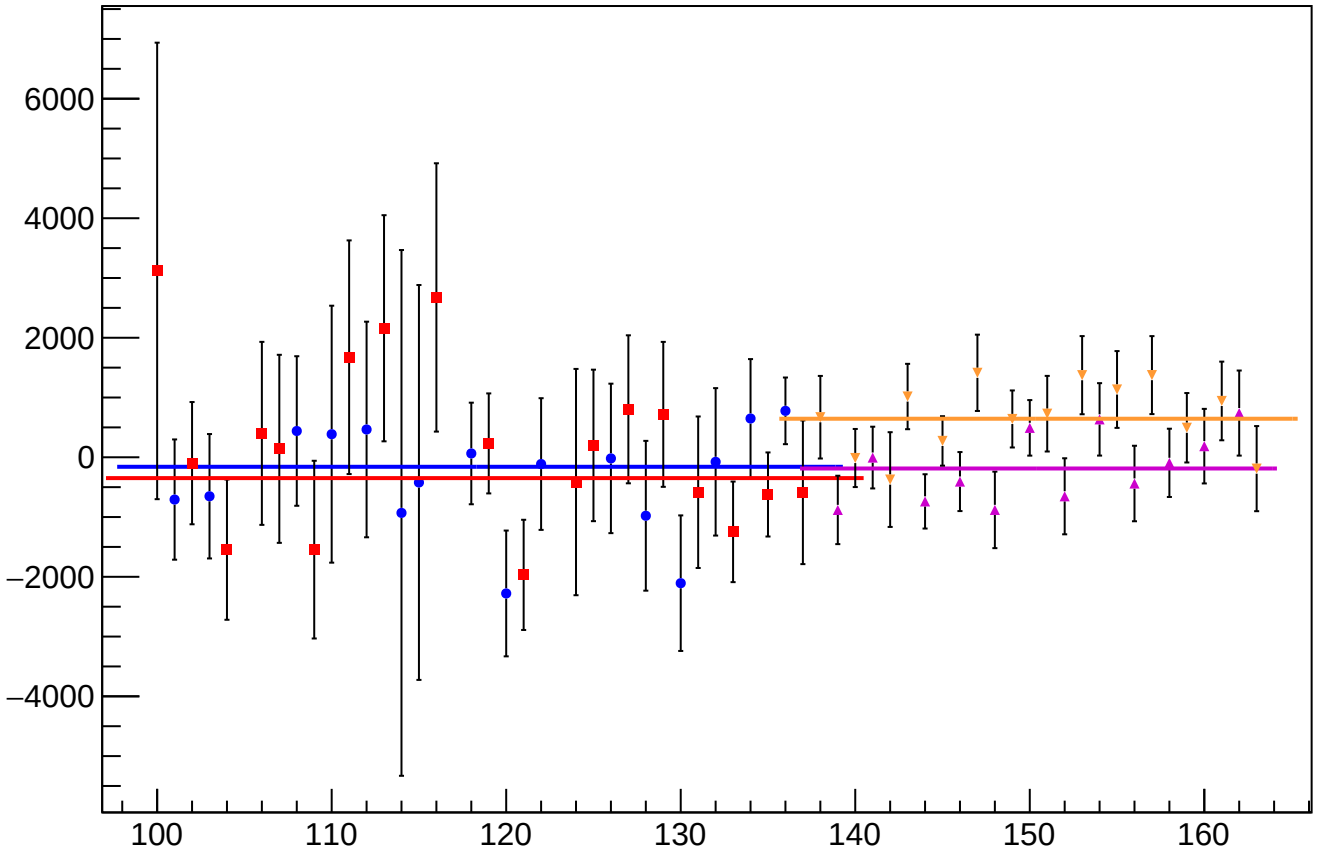
Left: 96.569+/-0.015 χ^2/NDF: 669708.0/25

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 102.393+/-0.018 χ^2/NDF:1039942.8/27

Out: 103.293+/-0.017 χ^2/NDF:1212829.4/32

All: 102.854+/-0.012 χ^2/NDF: 2254106.7/60



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 645.023+/-156.558 χ^2/NDF:10.9/13

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -187.645+/-161.948 χ^2/NDF:11.2/11

Left: 242.777+/-112.560 χ^2/NDF: 35.8/25

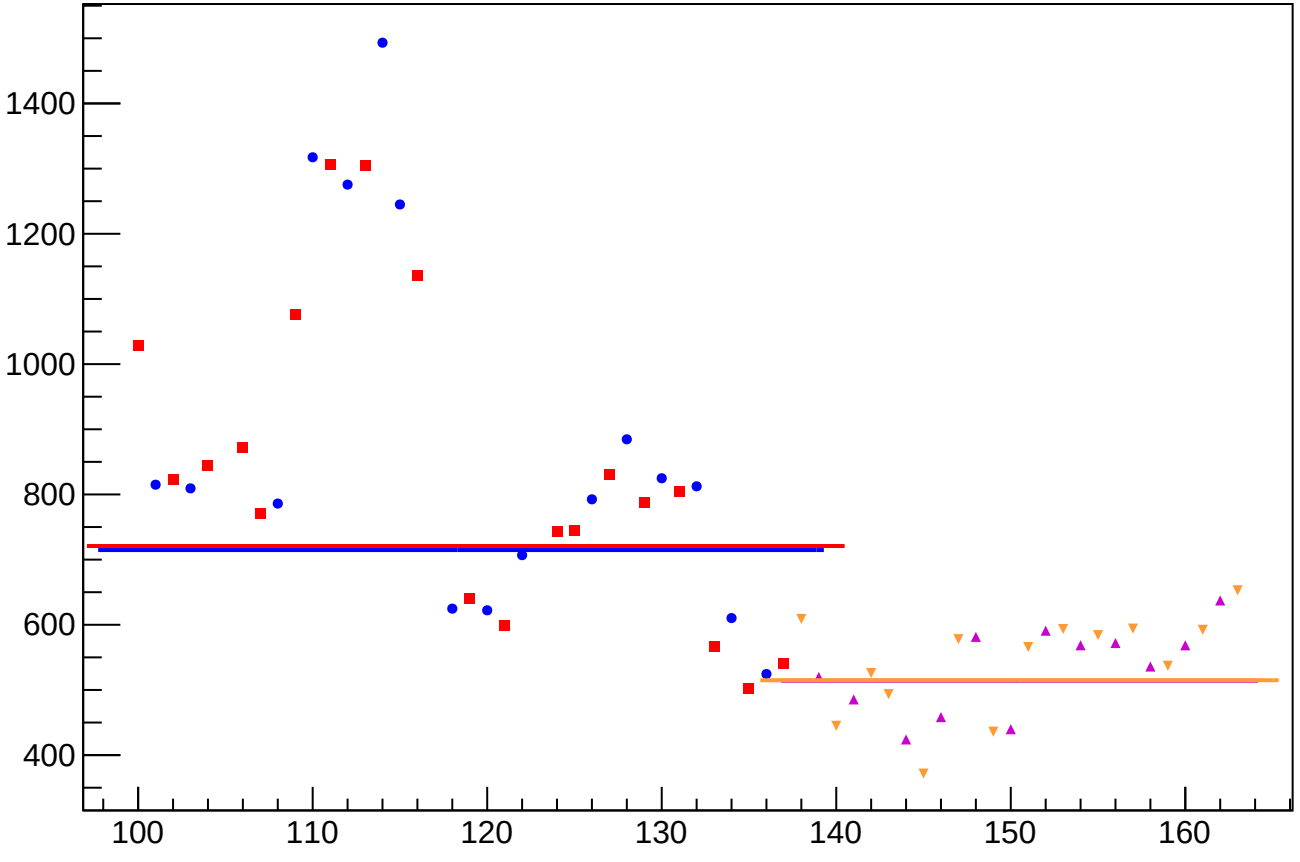
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -180.280+/-139.490 χ^2/NDF:23.2/27

Out: 399.944+/-135.883 χ^2/NDF:35.2/32

All: 117.430+/-97.334 χ^2/NDF: 67.2/60

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 514.896+/-0.111 χ^2/NDF:595900.5/13

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 514.107+/-0.115 χ^2/NDF:323932.9/11

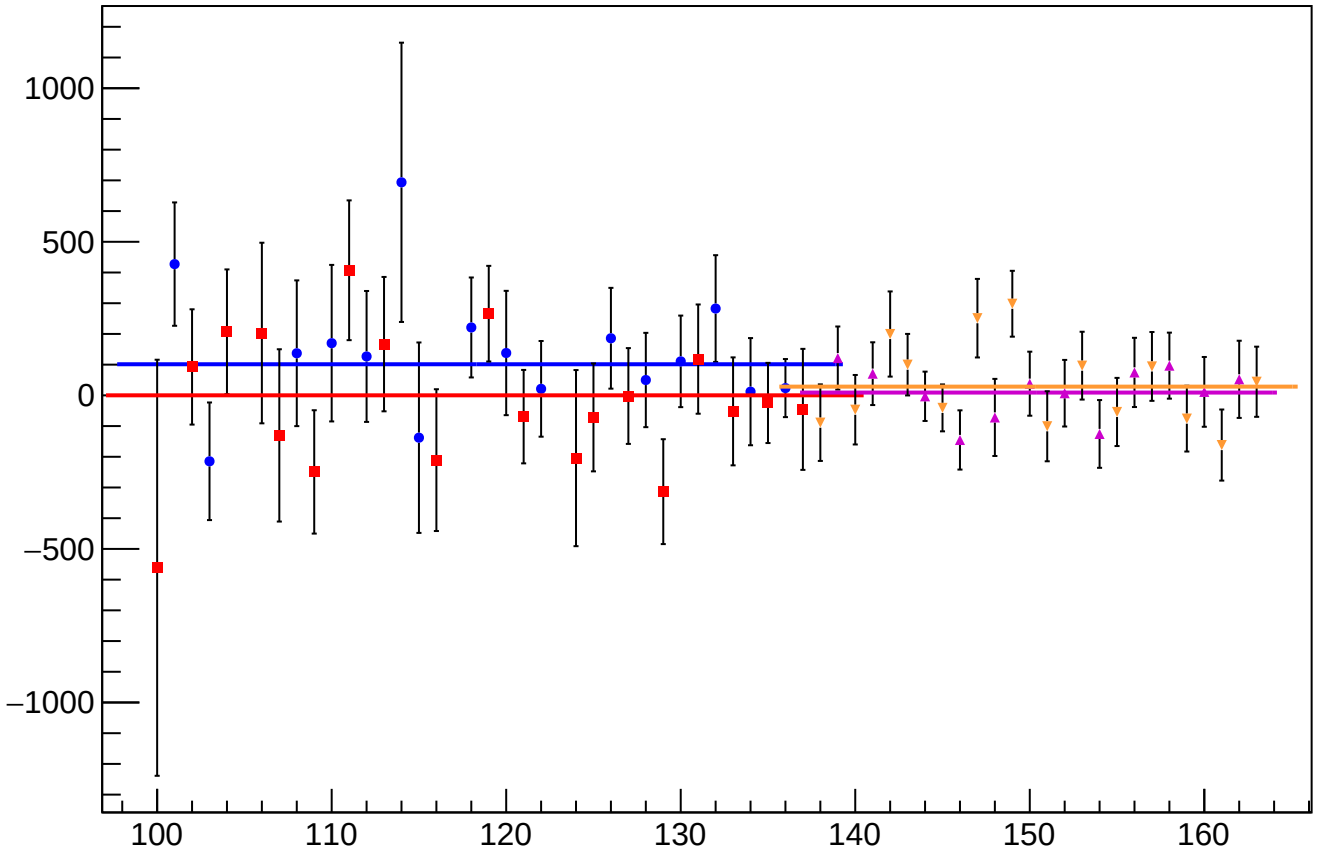
Left: 514.515+/-0.080 χ^2/NDF: 919858.0/25

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 565.875+/-0.099 χ^2/NDF:1991889.4/27

Out: 565.708+/-0.096 χ^2/NDF:2468385.5/32

All: 565.789+/-0.069 χ^2/NDF: 4460276.4/60



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 28.421+/-29.212 χ^2/NDF:19.8/13

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 9.086+/-30.403 χ^2/NDF:7.2/11

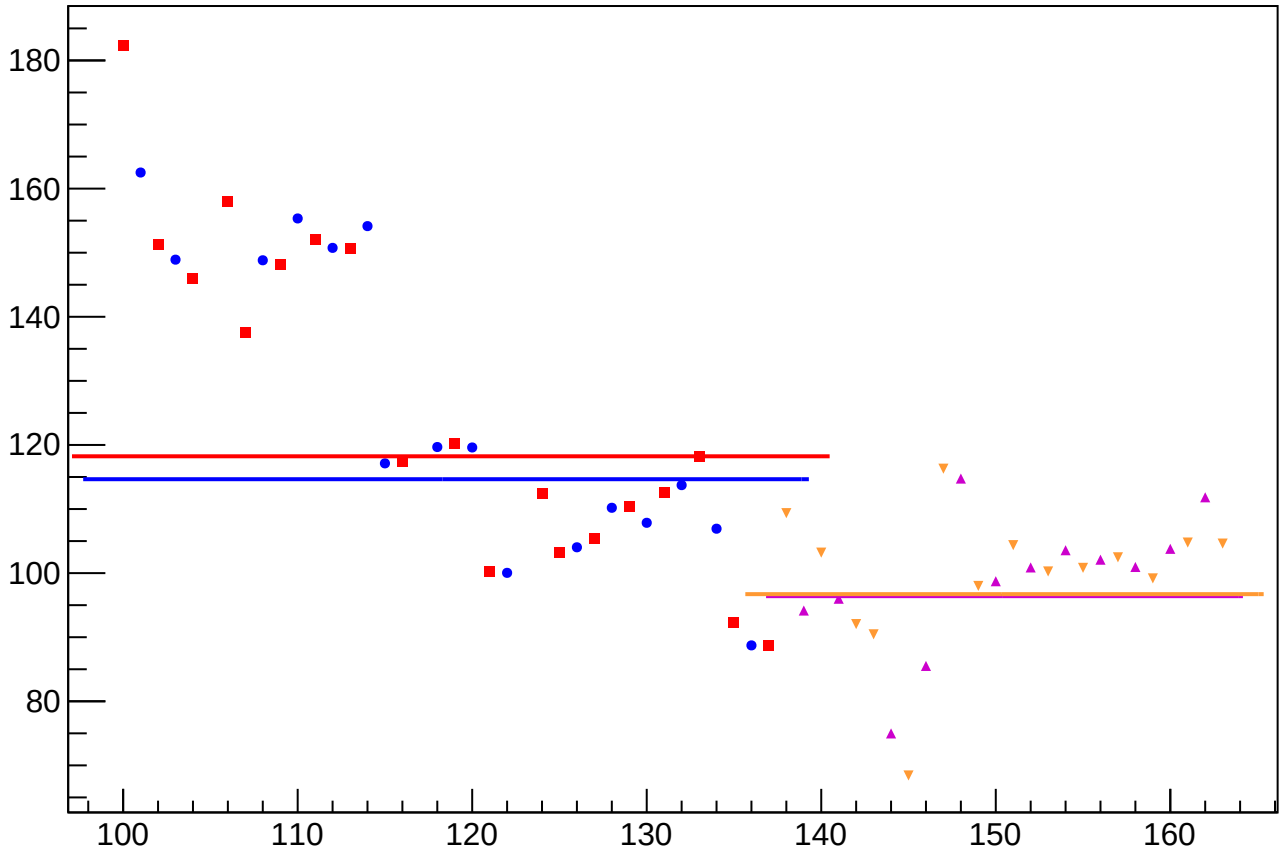
Left: 19.140+/-21.064 χ^2/NDF: 27.2/25

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 39.333+/-24.922 χ^2/NDF:21.3/27

Out: 19.774+/-24.342 χ^2/NDF:36.7/32

All: 29.323+/-17.414 χ^2/NDF: 58.3/60



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 96.720+/-0.021 χ^2/NDF:398019.7/13

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 96.406+/-0.021 χ^2/NDF:271584.2/11

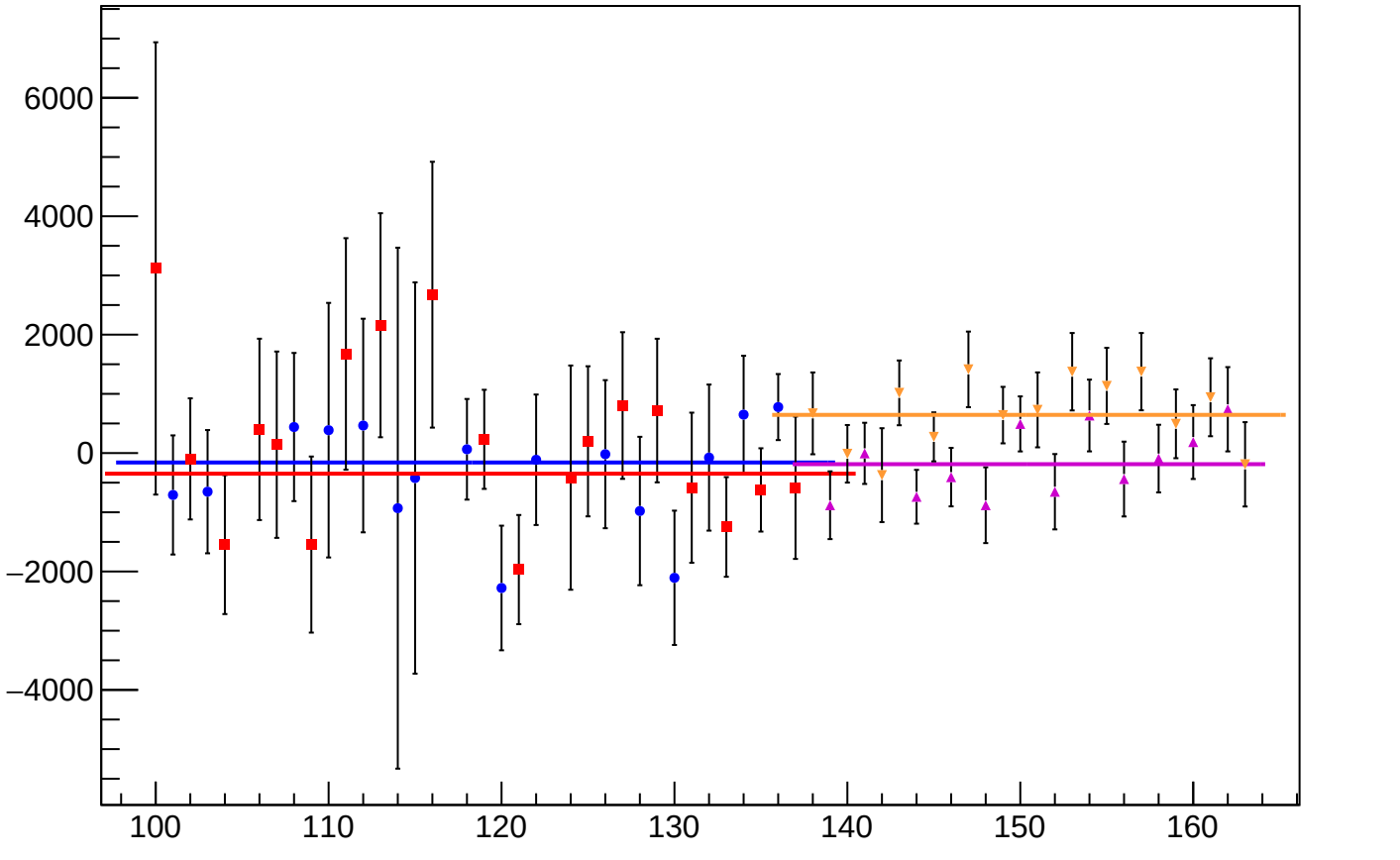
Left: 96.569+/-0.015 χ^2/NDF: 669714.4/25

Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 102.393+/-0.018 χ^2/NDF:1039932.0/27

Out: 103.293+/-0.017 χ^2/NDF:1212827.4/32

All: 102.854+/-0.012 χ^2/NDF: 2254093.8/60



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 645.022+/-156.558 χ^2/NDF:10.9/13

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -187.645+/-161.948 χ^2/NDF:11.2/11

Left: 242.777+/-112.560 χ^2/NDF: 35.8/25

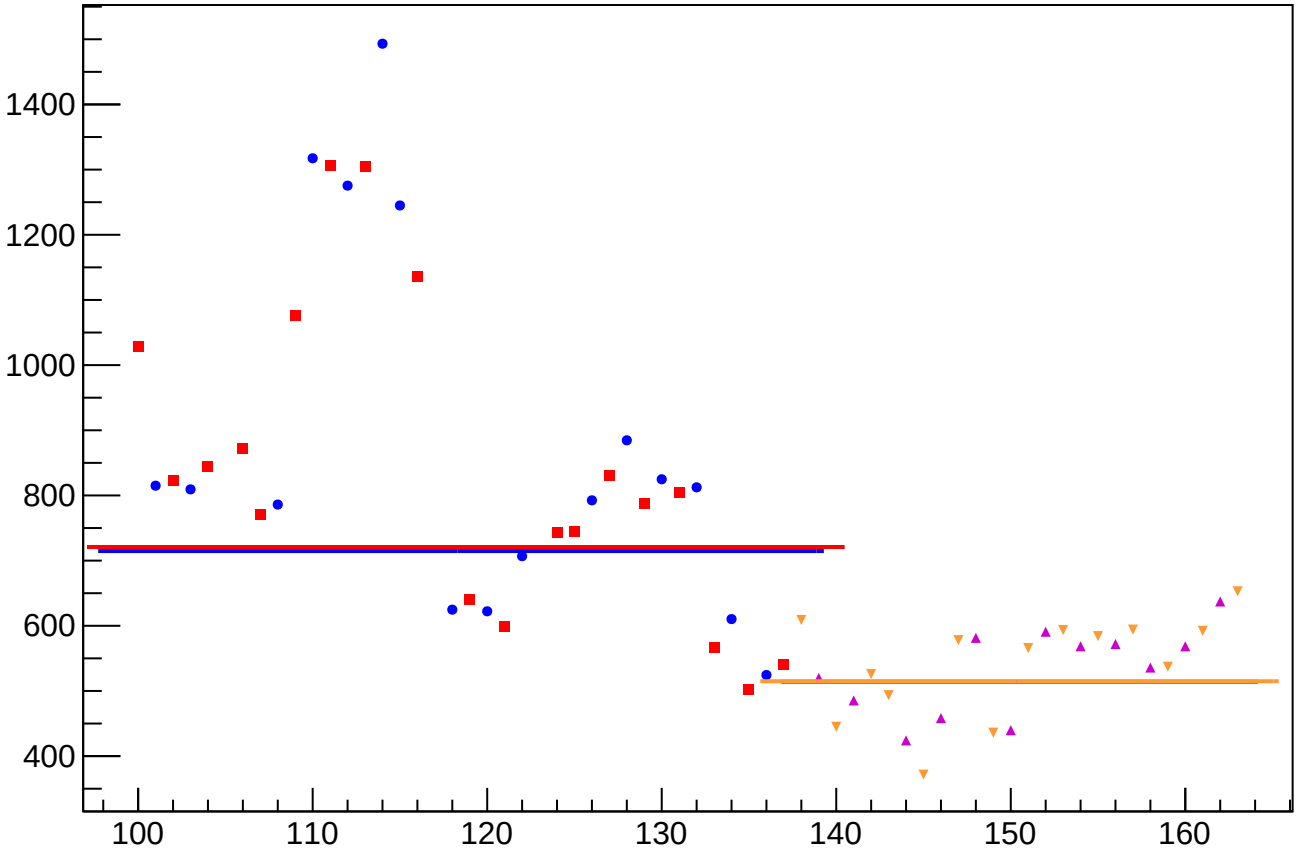
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -180.280+/-139.490 χ^2/NDF:23.2/27

Out: 399.943+/-135.883 χ^2/NDF:35.2/32

All: 117.429+/-97.334 χ^2/NDF: 67.2/60

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: 514.897+/-0.111 χ^2/NDF:595901.6/13

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 514.107+/-0.115 χ^2/NDF:323931.0/11

Left: 514.515+/-0.080 χ^2/NDF: 919857.1/25

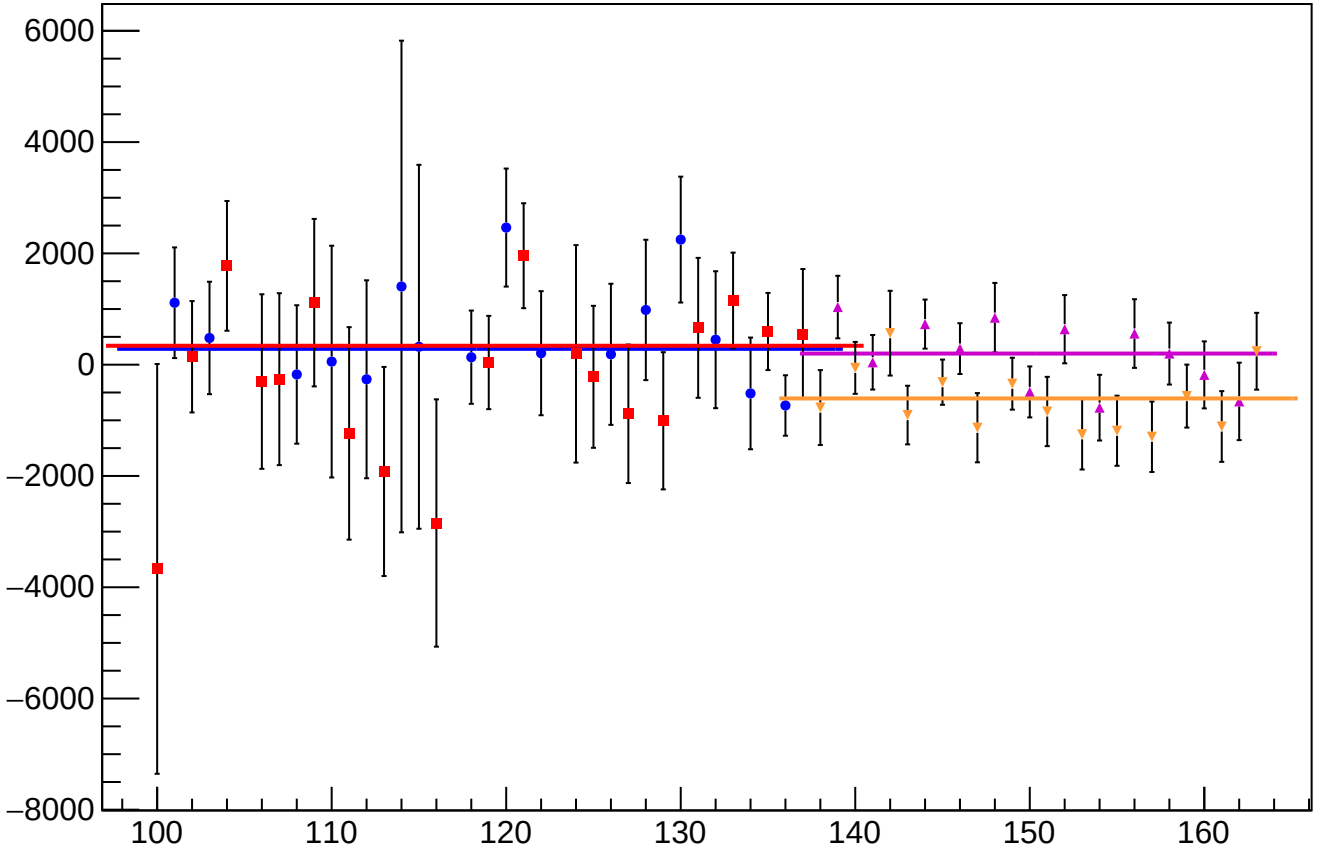
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 565.875+/-0.099 χ^2/NDF:1991879.6/27

Out: 565.708+/-0.096 χ^2/NDF:2468377.8/32

All: 565.789+/-0.069 χ^2/NDF: 4460258.9/60

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -606.557+/-152.198 χ^2/NDF:11.1/13

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 199.916+/-156.550 χ^2/NDF:12.6/11

Left: -214.687+/-109.126 χ^2/NDF: 37.3/25

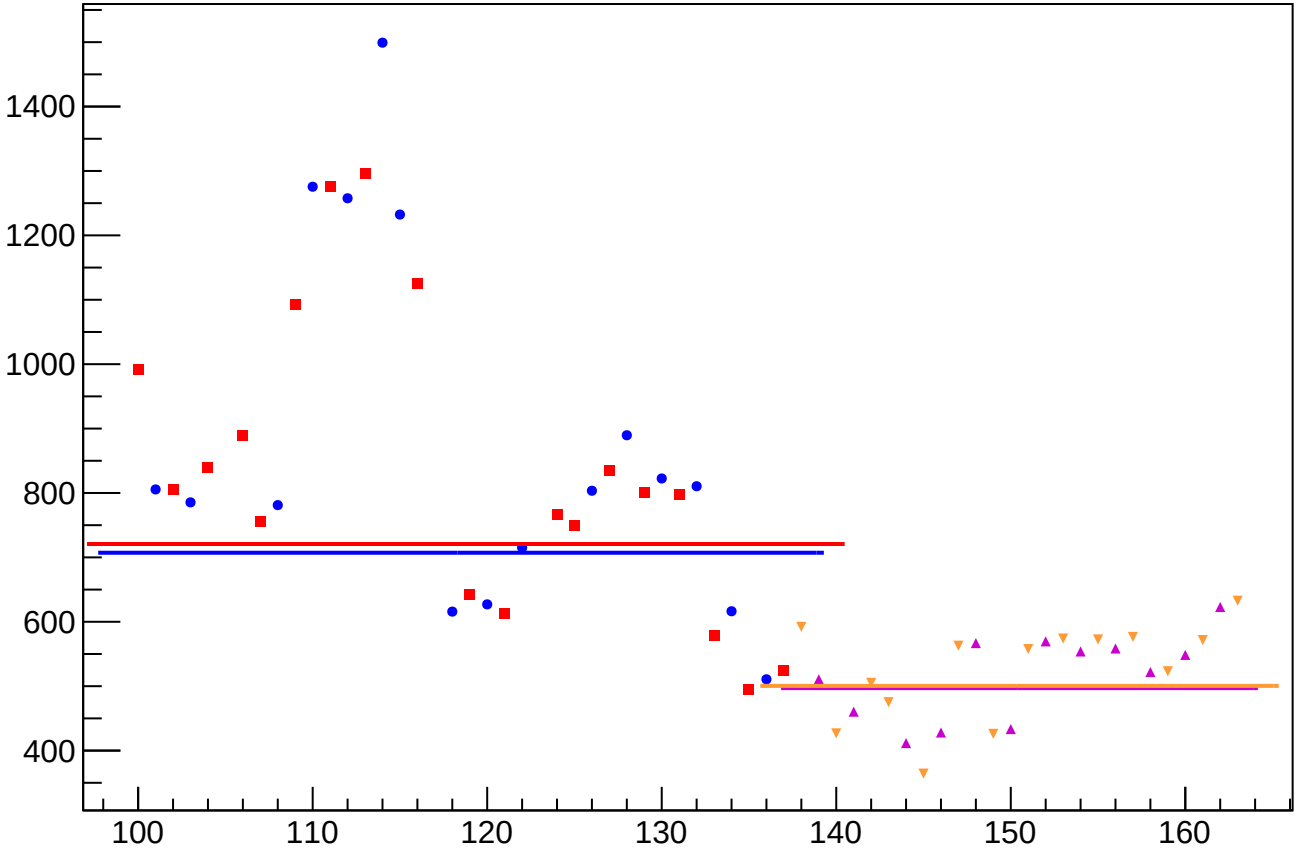
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 221.039+/-135.675 χ^2/NDF:25.5/27

Out: -382.866+/-133.004 χ^2/NDF:34.3/32

All: -86.916+/-94.978 χ^2/NDF: 69.9/60

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 500.481+/-0.108 χ^2/NDF:588391.4/13

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 497.009+/-0.111 χ^2/NDF:346975.2/11

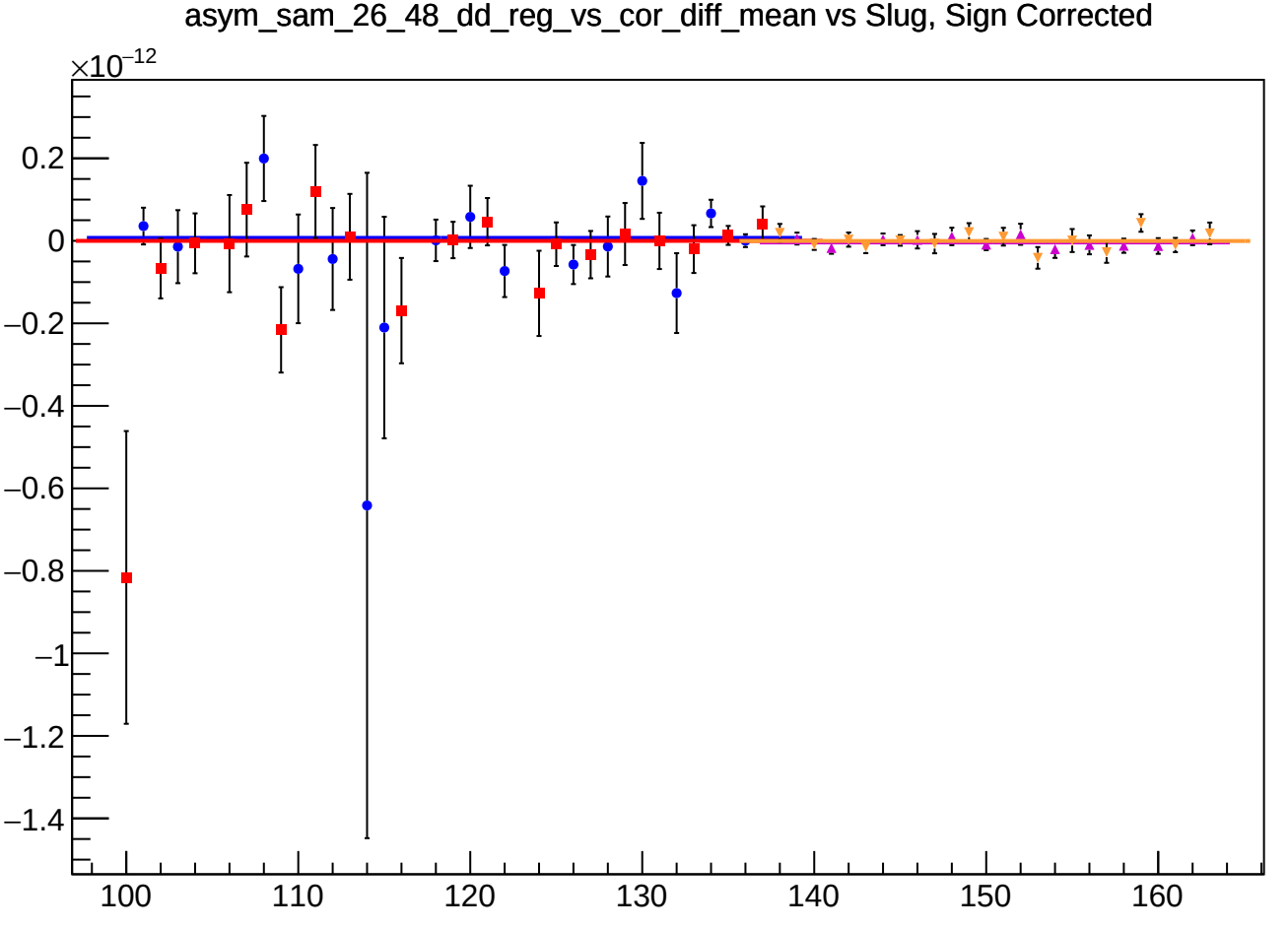
Left: 498.794+/-0.077 χ^2/NDF: 935872.4/25

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 549.330+/-0.096 χ^2/NDF:2141152.9/27

Out: 552.541+/-0.094 χ^2/NDF:2593865.9/32

All: 550.967+/-0.067 χ^2/NDF: 4735590.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:4.4/11

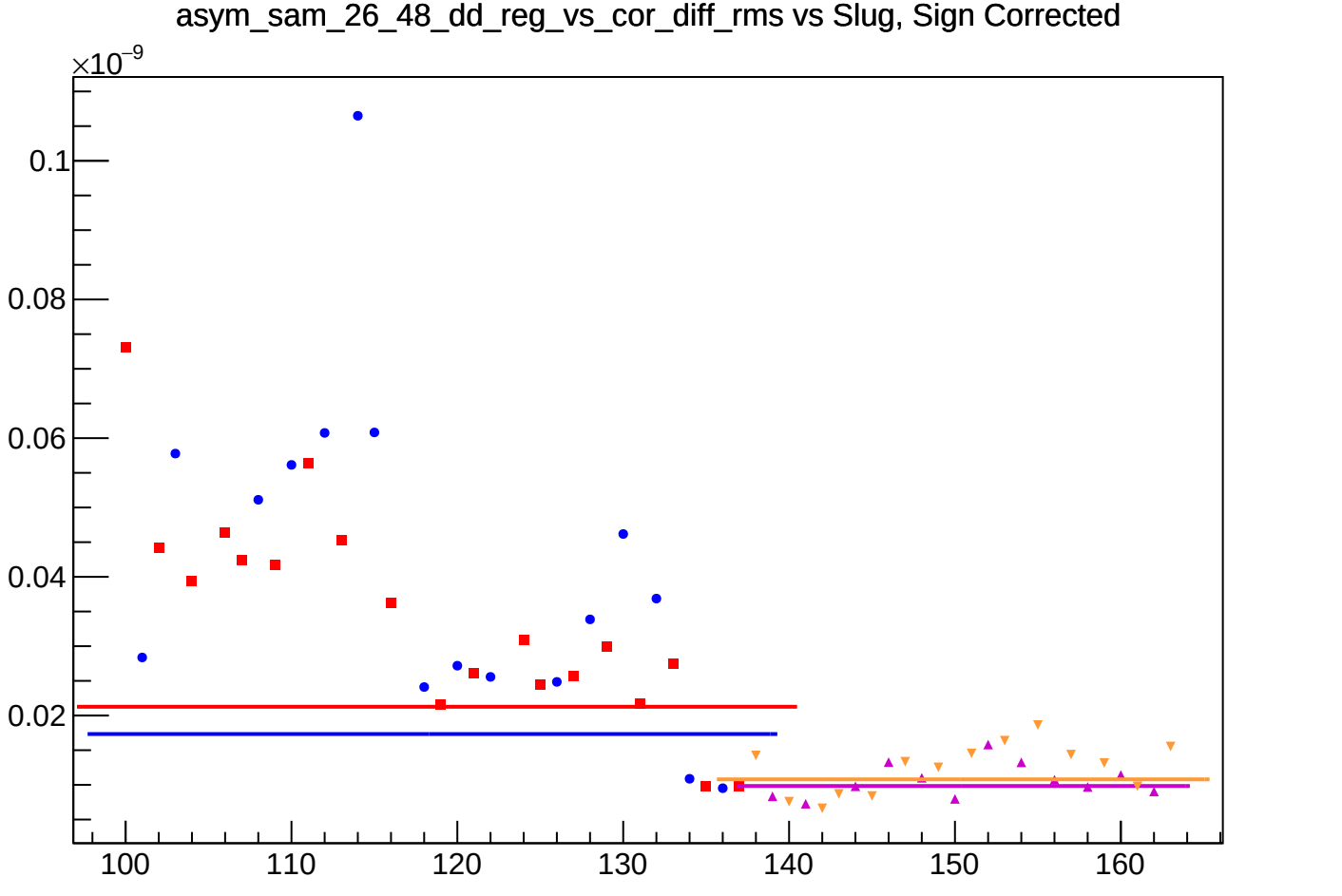
Left: -0.000+/-0.000 χ^2/NDF: 16.5/25

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:22.5/27

Out: -0.000+/-0.000 χ^2/NDF:29.7/32

All: -0.000+/-0.000 χ^2/NDF: 52.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:871809.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:366738.8/11

Left: 0.000+/-0.000 χ^2/NDF: 1274256.3/25

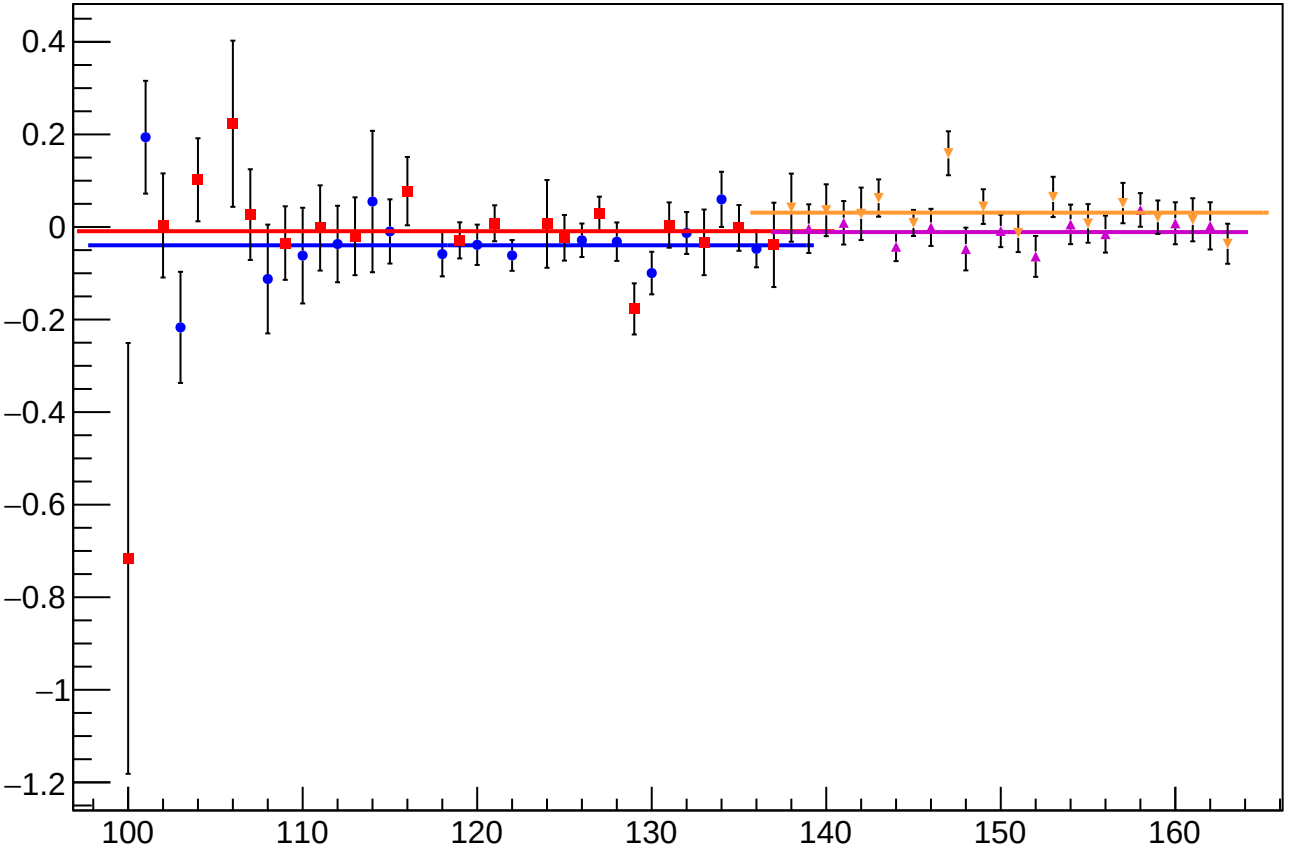
Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3450394.1/27

Out: 0.000+/-0.000 χ^2/NDF:3610797.6/32

All: 0.000+/-0.000 χ^2/NDF: 7113268.6/60

asym_sam_26_48_dd_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+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.012 χ^2/NDF:5.5/11

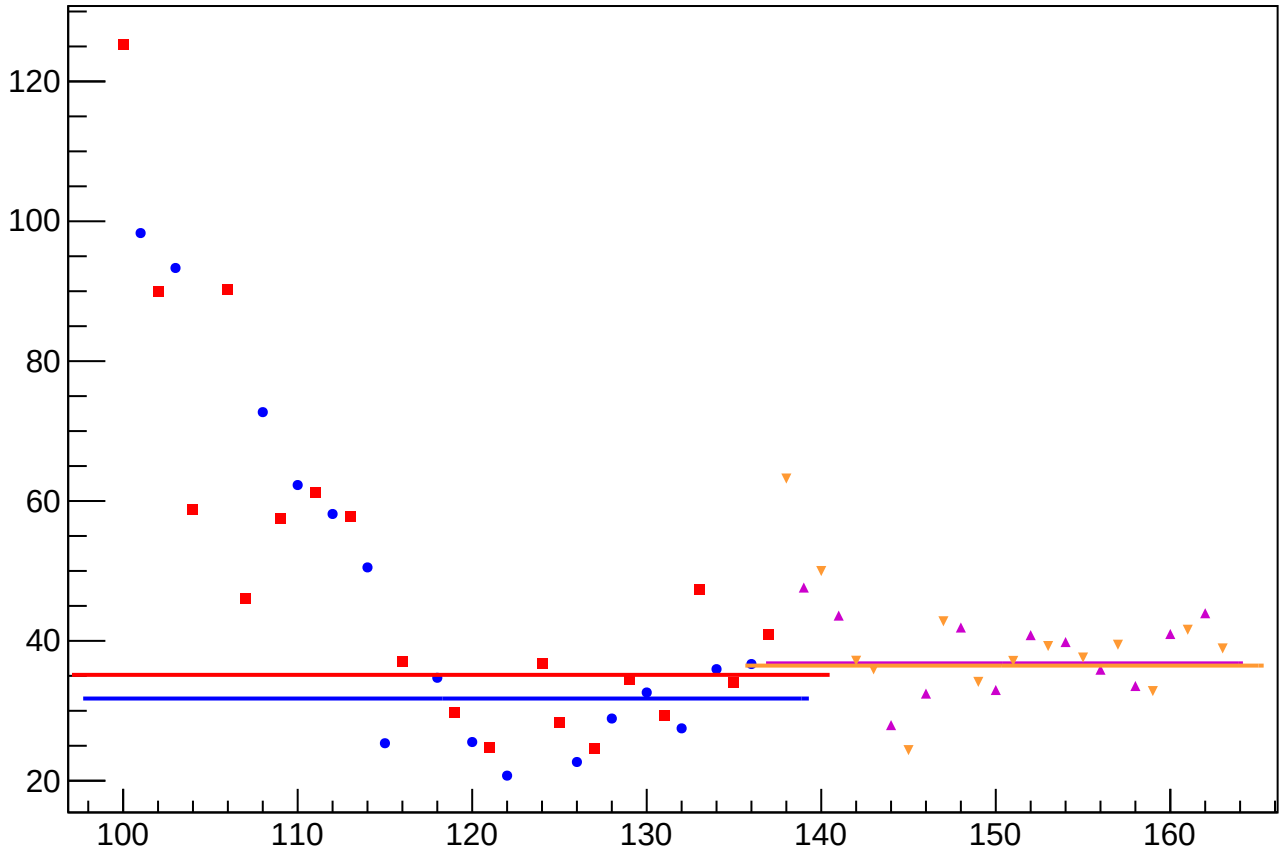
Left: 0.011+/-0.008 χ^2/NDF: 25.6/25

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.009 χ^2/NDF:20.5/27

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/60



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.464+/-0.008 χ^2/NDF:864000.8/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460744.9/11

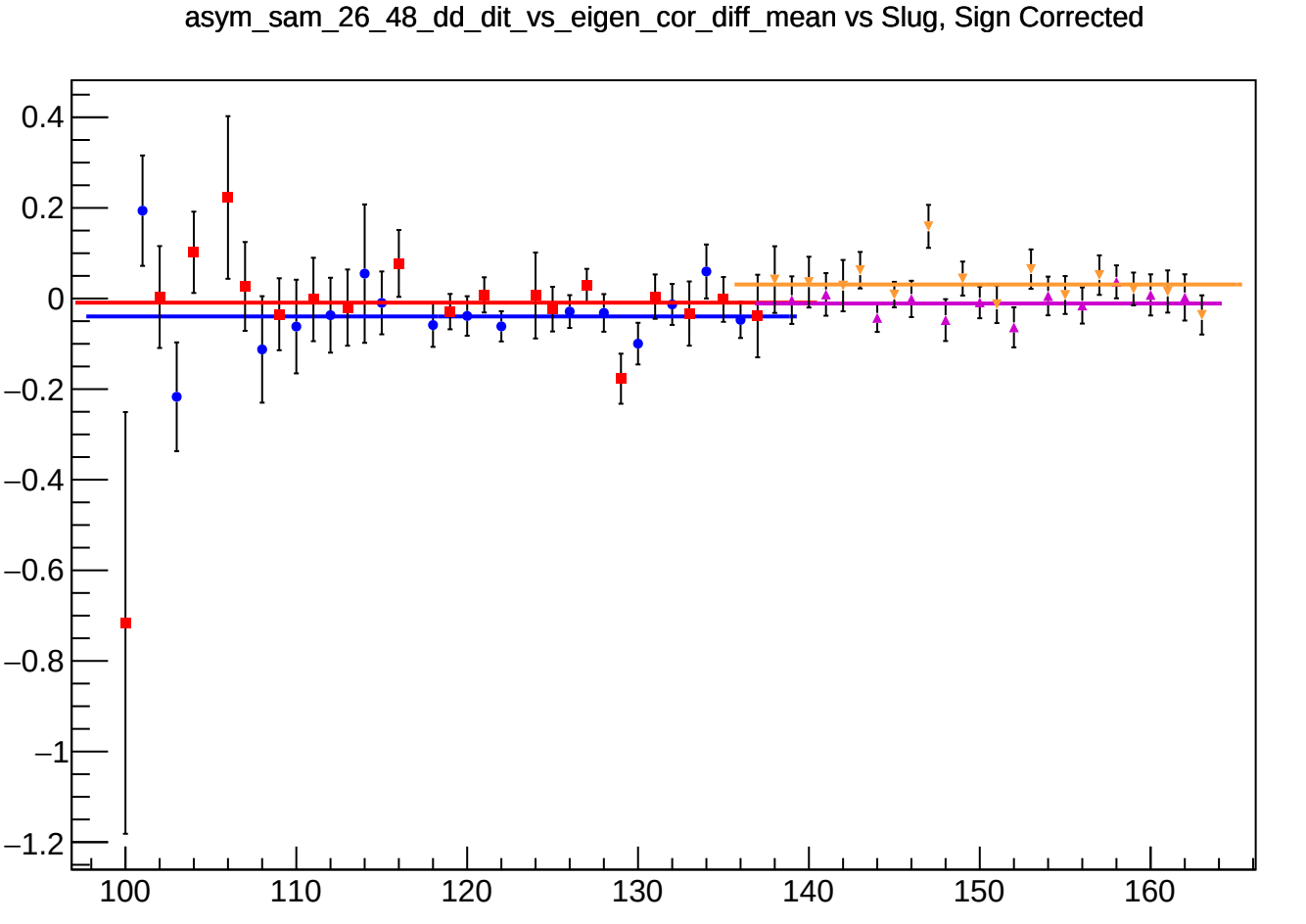
Left: 36.616+/-0.006 χ^2/NDF: 1325502.0/25

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.523+/-0.006 χ^2/NDF:2873802.1/27

Out: 35.949+/-0.006 χ^2/NDF:2719359.6/32

All: 35.235+/-0.004 χ^2/NDF: 5619216.0/60



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.012 χ^2/NDF:5.5/11

Left: 0.011+/-0.008 χ^2/NDF: 25.6/25

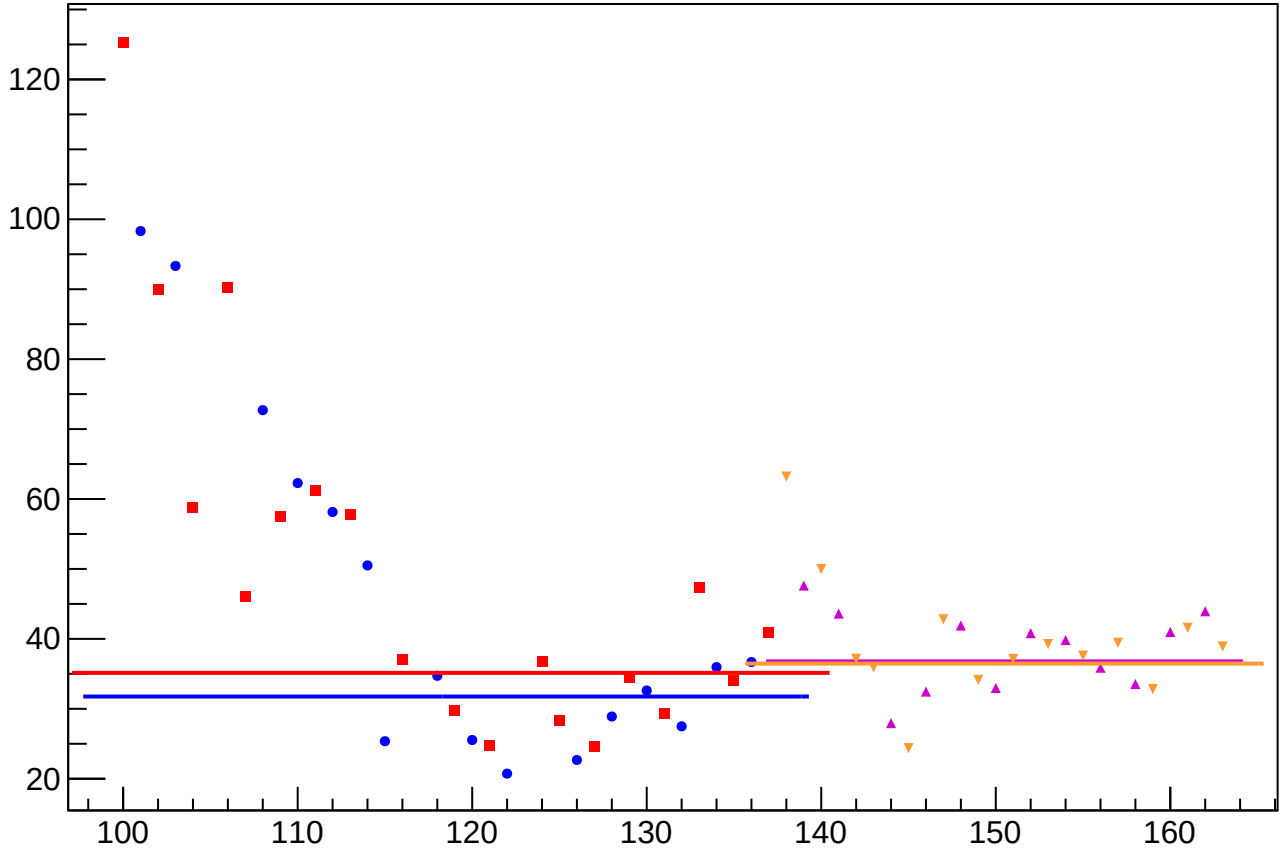
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.009 χ^2/NDF:20.5/27

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/60

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 36.464+/-0.008 χ^2/NDF:864000.8/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460744.9/11

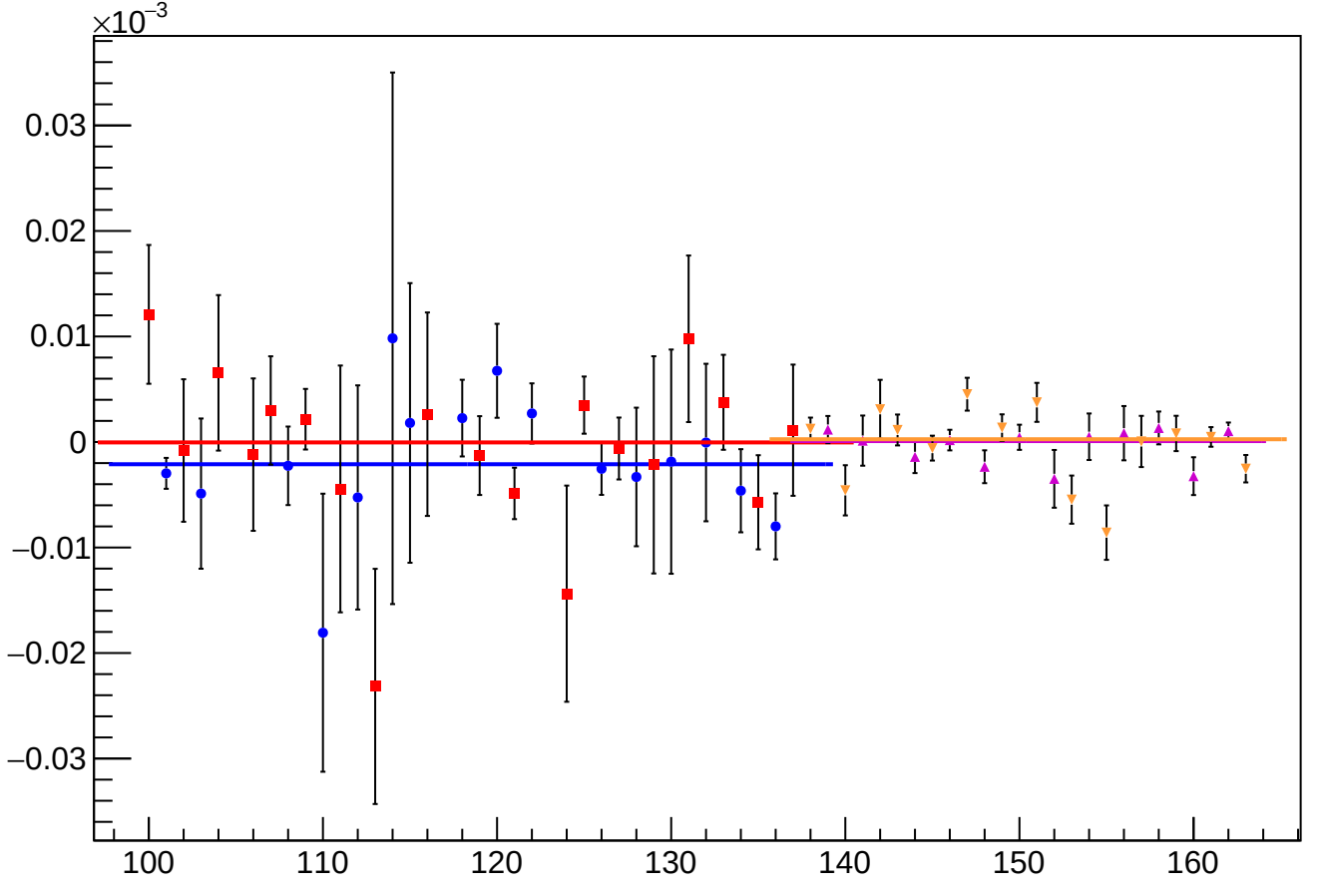
Left: 36.616+/-0.006 χ^2/NDF: 1325502.0/25

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.523+/-0.006 χ^2/NDF:2873802.1/27

Out: 35.949+/-0.006 χ^2/NDF:2719359.6/32

All: 35.235+/-0.004 χ^2/NDF: 5619216.0/60



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/13

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

Left In: 0.000+/-0.000 χ^2/NDF:11.4/11

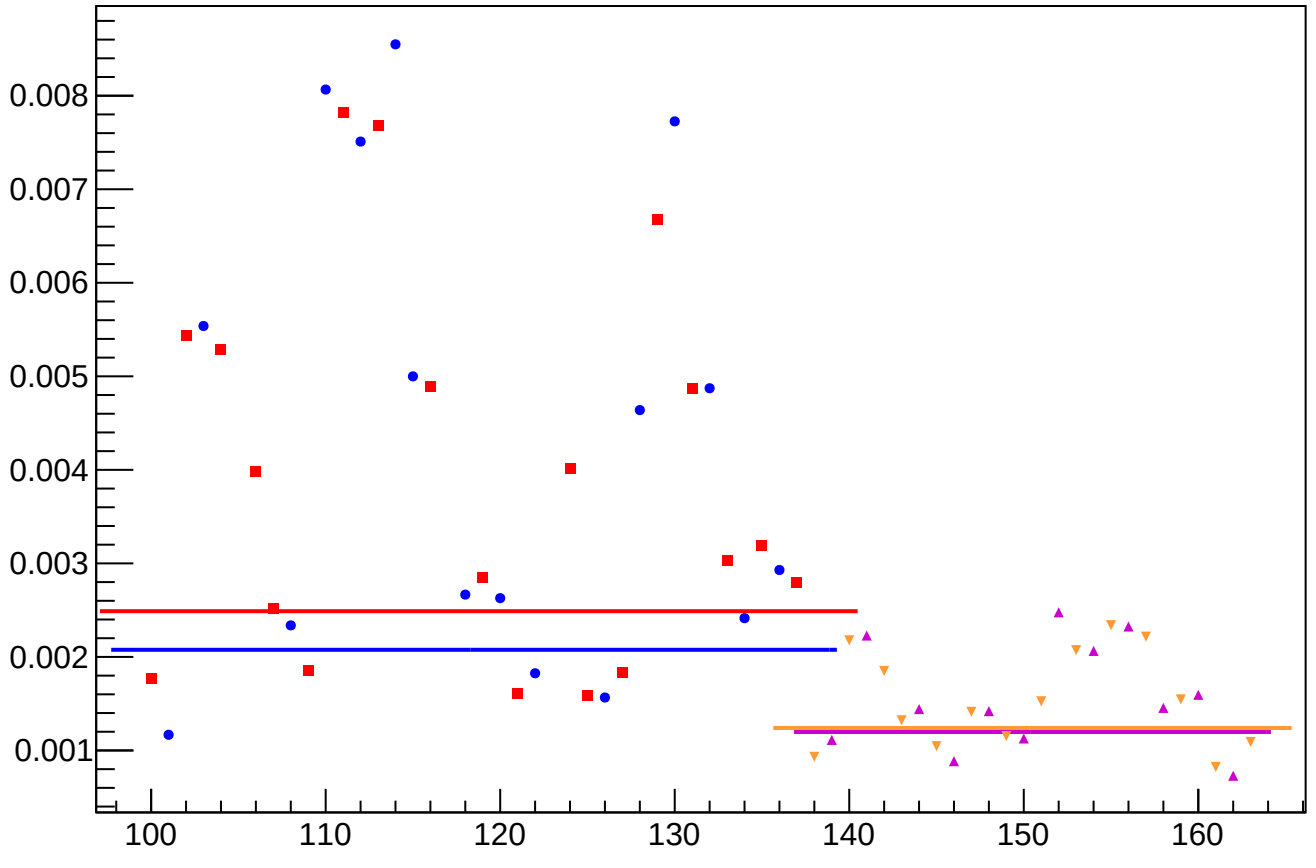
Left: 0.000+/-0.000 χ^2/NDF: 53.2/25

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:31.0/27

Out: 0.000+/-0.000 χ^2/NDF:63.1/32

All: -0.000+/-0.000 χ^2/NDF: 95.0/60



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2162692.0/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2629731.1/11

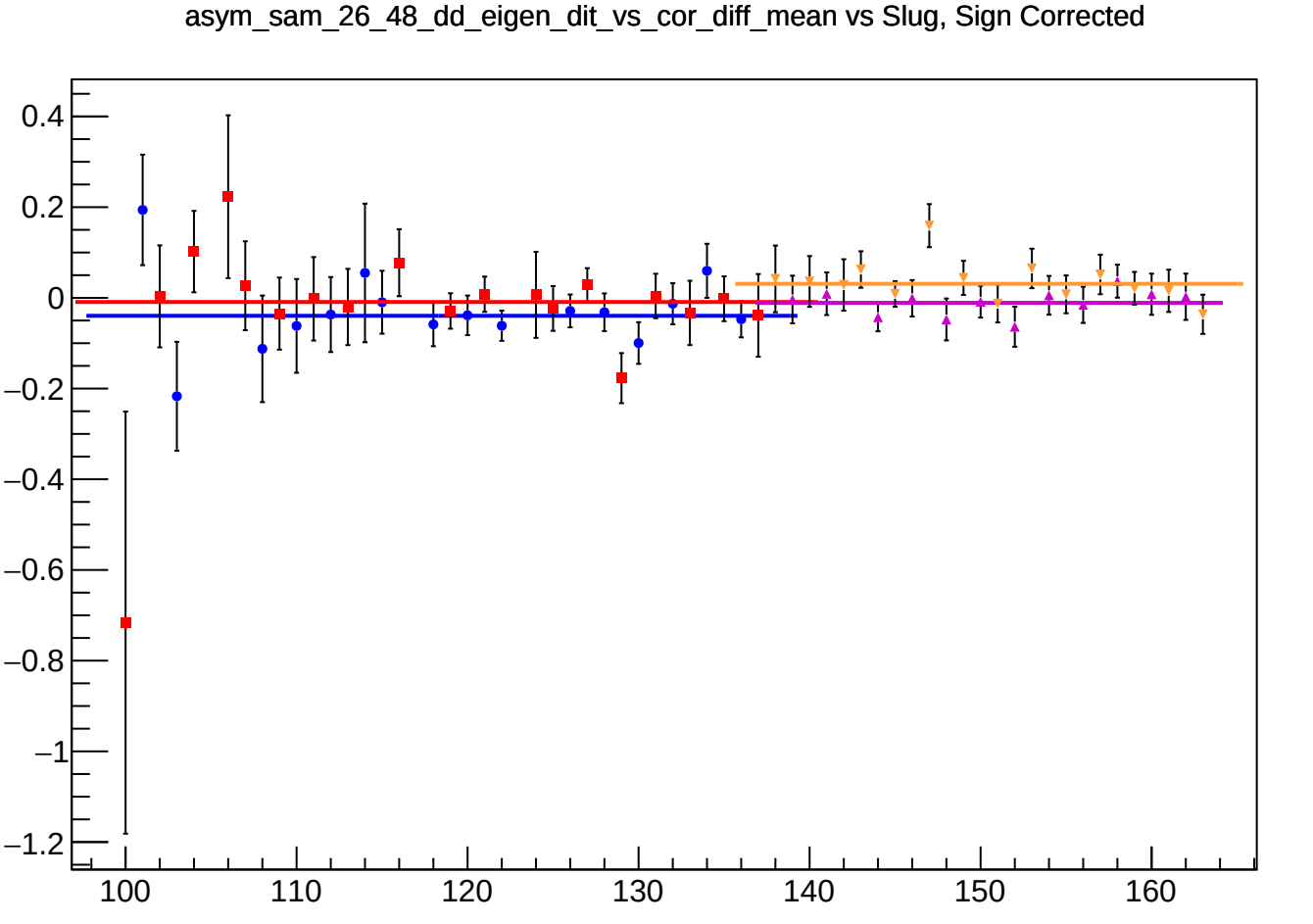
Left: 0.001+/-0.000 χ^2/NDF: 4803704.2/25

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8105180.4/27

Out: 0.001+/-0.000 χ^2/NDF:7762334.6/32

All: 0.001+/-0.000 χ^2/NDF: 15889864.9/60



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.031+/-0.011 χ^2/NDF:13.6/13

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.011+/-0.012 χ^2/NDF:5.5/11

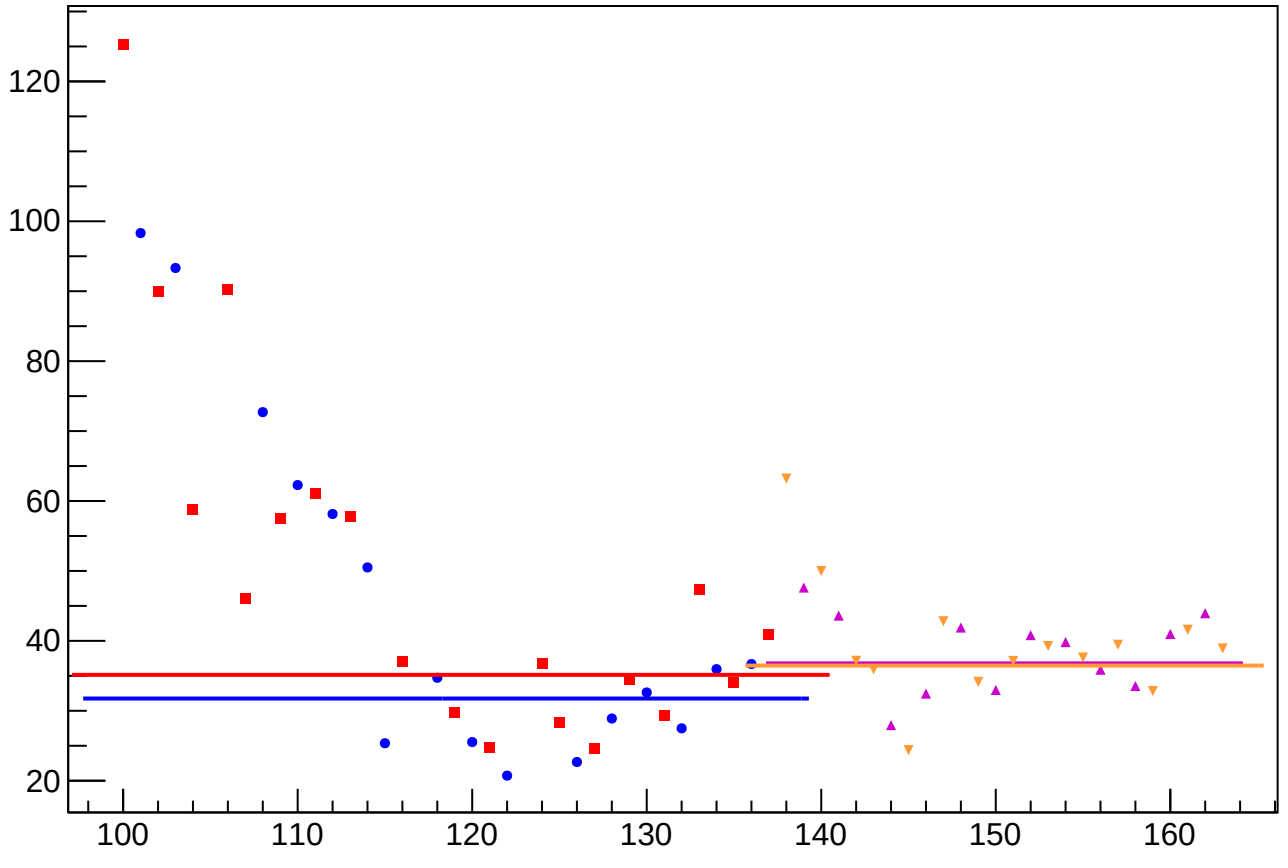
Left: 0.011+/-0.008 χ^2/NDF: 25.6/25

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.024+/-0.009 χ^2/NDF:20.5/27

Out: 0.015+/-0.009 χ^2/NDF:36.7/32

All: -0.004+/-0.006 χ^2/NDF: 67.1/60



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.464+/-0.008 χ^2/NDF:864027.1/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460748.0/11

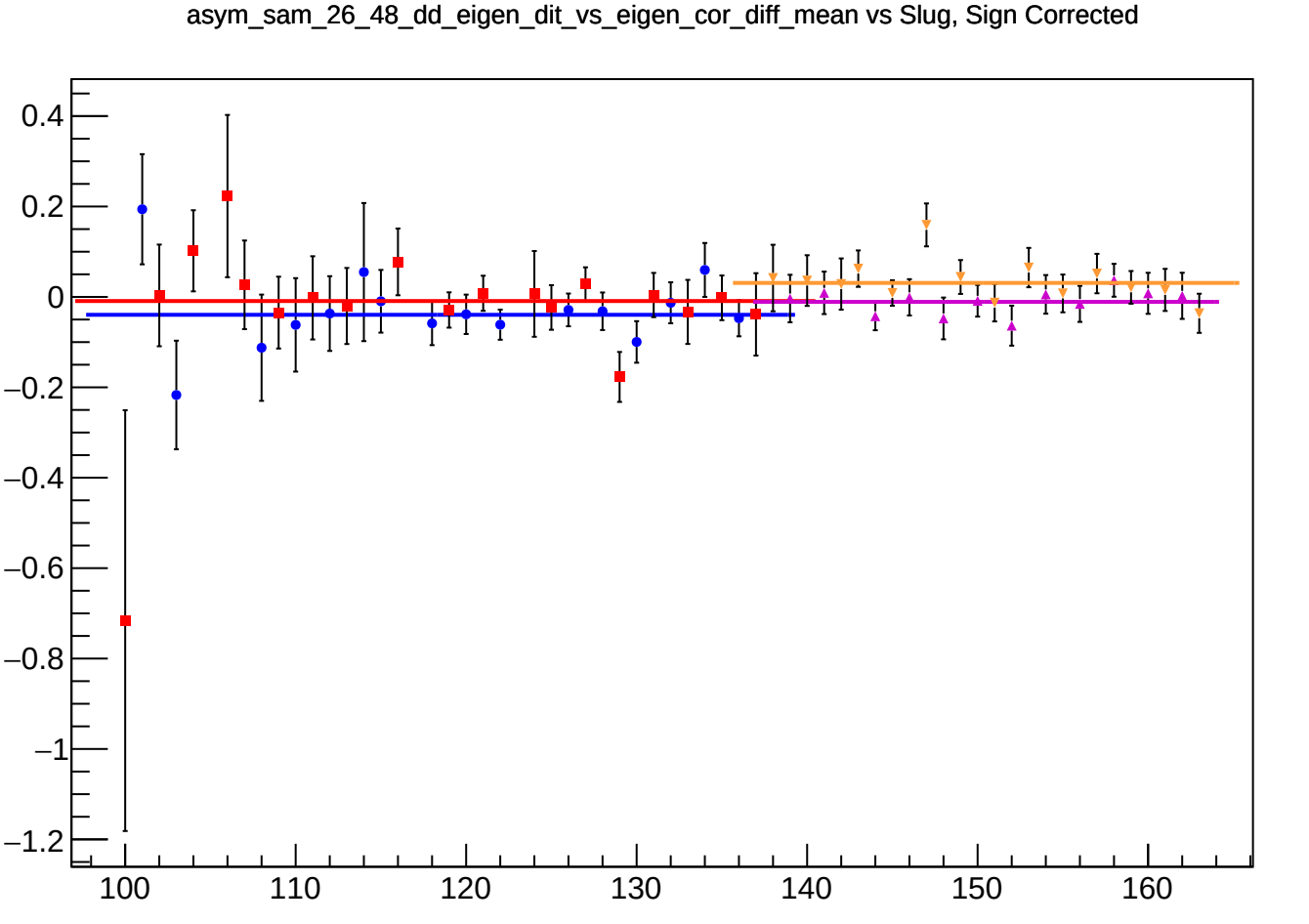
Left: 36.616+/-0.006 χ^2/NDF: 1325532.0/25

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

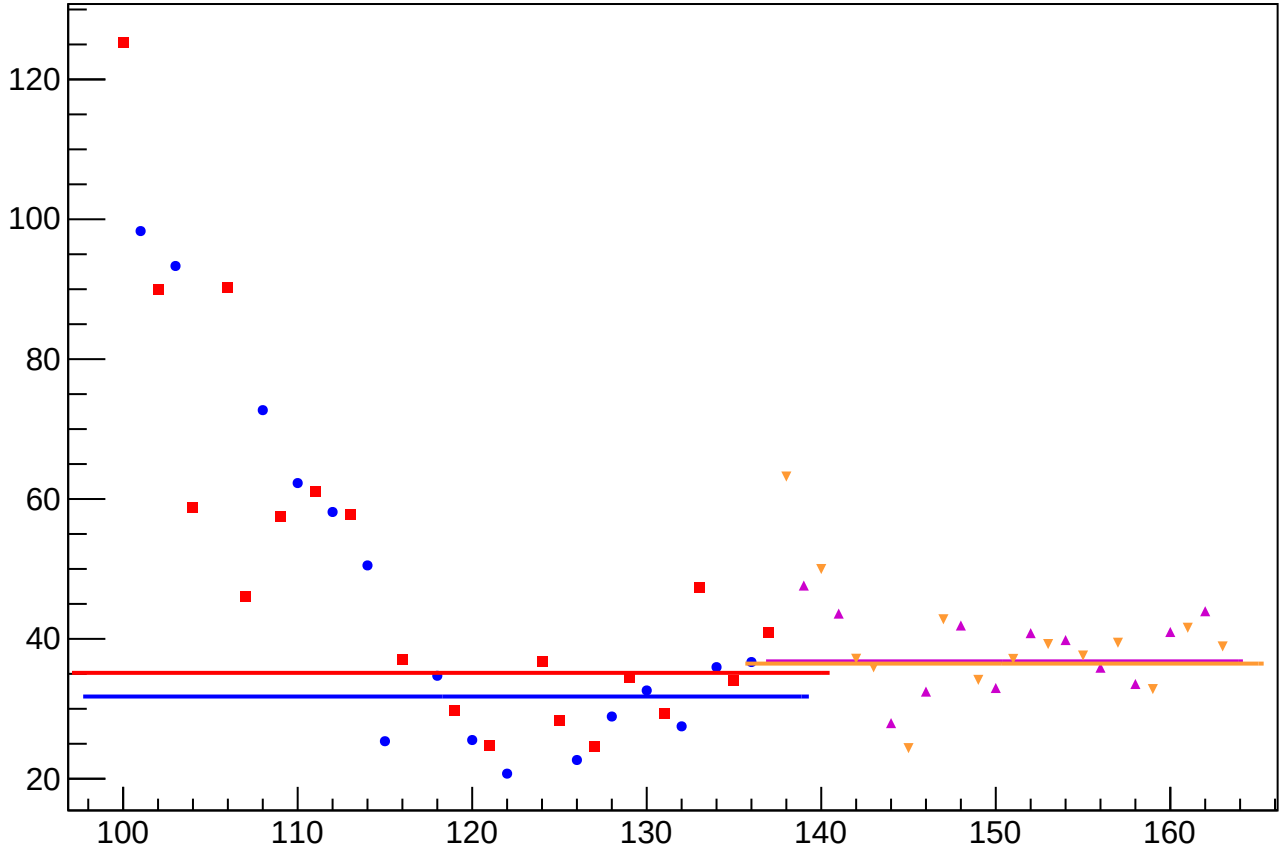
In: 34.523+/-0.006 χ^2/NDF:2873765.9/27

Out: 35.949+/-0.006 χ^2/NDF:2719275.5/32

All: 35.235+/-0.004 χ^2/NDF: 5619093.8/60


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
Right In: -0.040+/-0.013 χ²/NDF: 12.4/15
Left Out: 0.031+/-0.011 χ²/NDF:13.6/13
Right Out: -0.009+/-0.014 χ²/NDF: 18.3/18
Left In: -0.011+/-0.012 χ²/NDF:5.5/11
Left: 0.011+/-0.008 χ²/NDF: 25.6/25
Right: -0.025+/-0.010 χ²/NDF: 33.2/34
In: -0.024+/-0.009 χ²/NDF:20.5/27
Out: 0.015+/-0.009 χ²/NDF:36.7/32
All: -0.004+/-0.006 χ²/NDF: 67.1/60

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 36.464+/-0.008 χ^2/NDF:864027.1/13

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.784+/-0.008 χ^2/NDF:460748.0/11

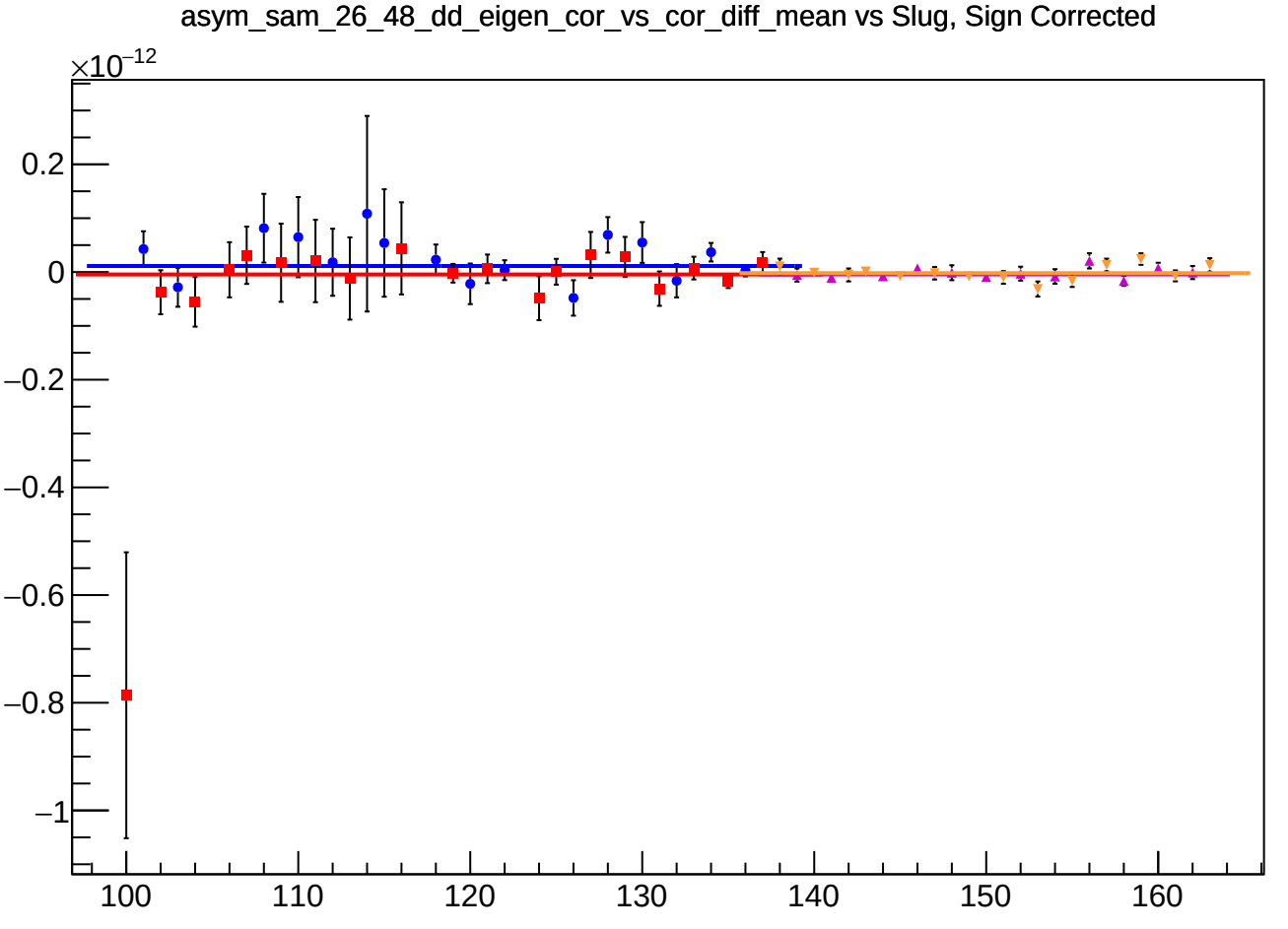
Left: 36.616+/-0.006 χ^2/NDF: 1325532.0/25

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.523+/-0.006 χ^2/NDF:2873765.9/27

Out: 35.949+/-0.006 χ^2/NDF:2719275.5/32

All: 35.235+/-0.004 χ^2/NDF: 5619093.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/11

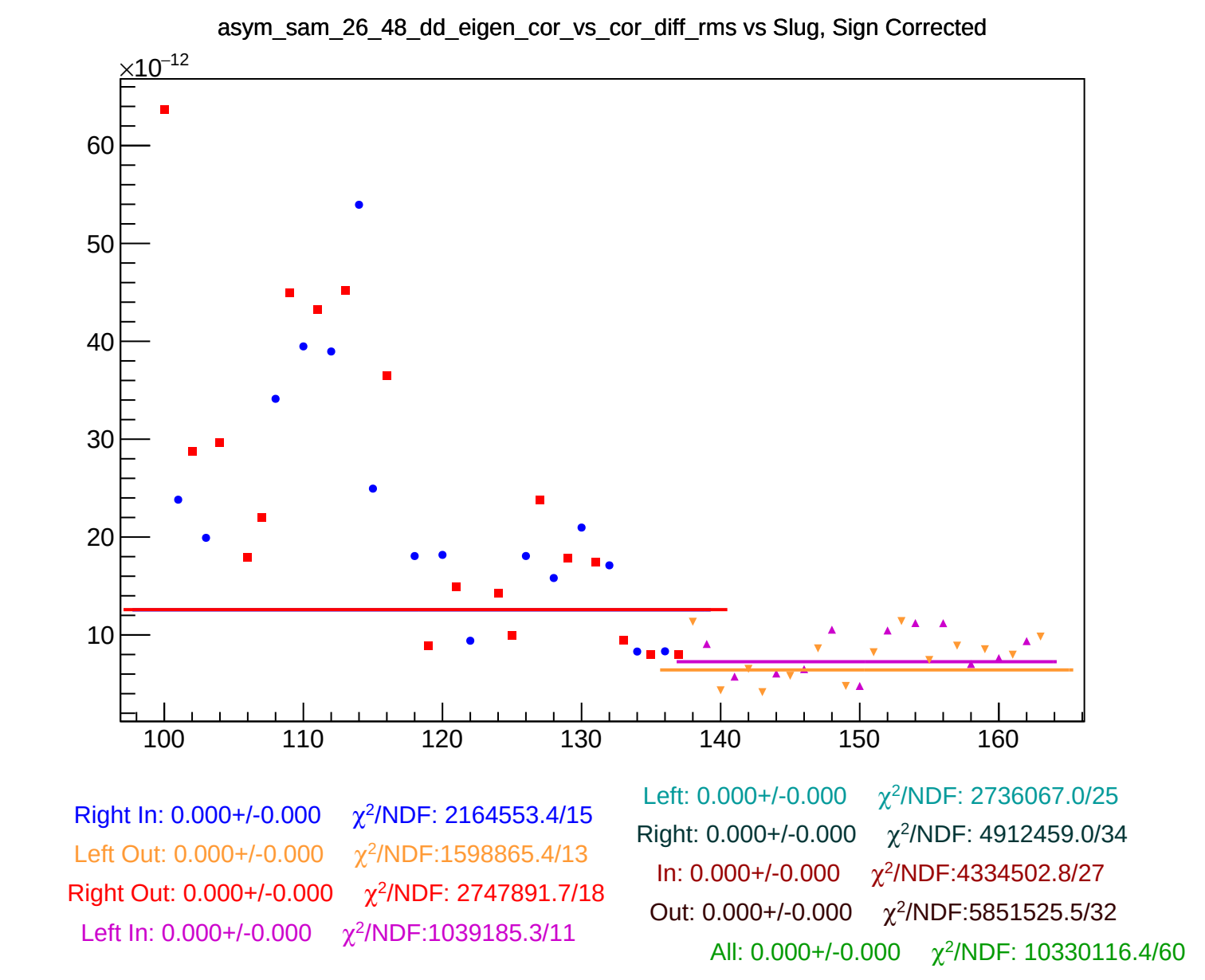
Left: -0.000+/-0.000 χ^2/NDF: 27.5/25

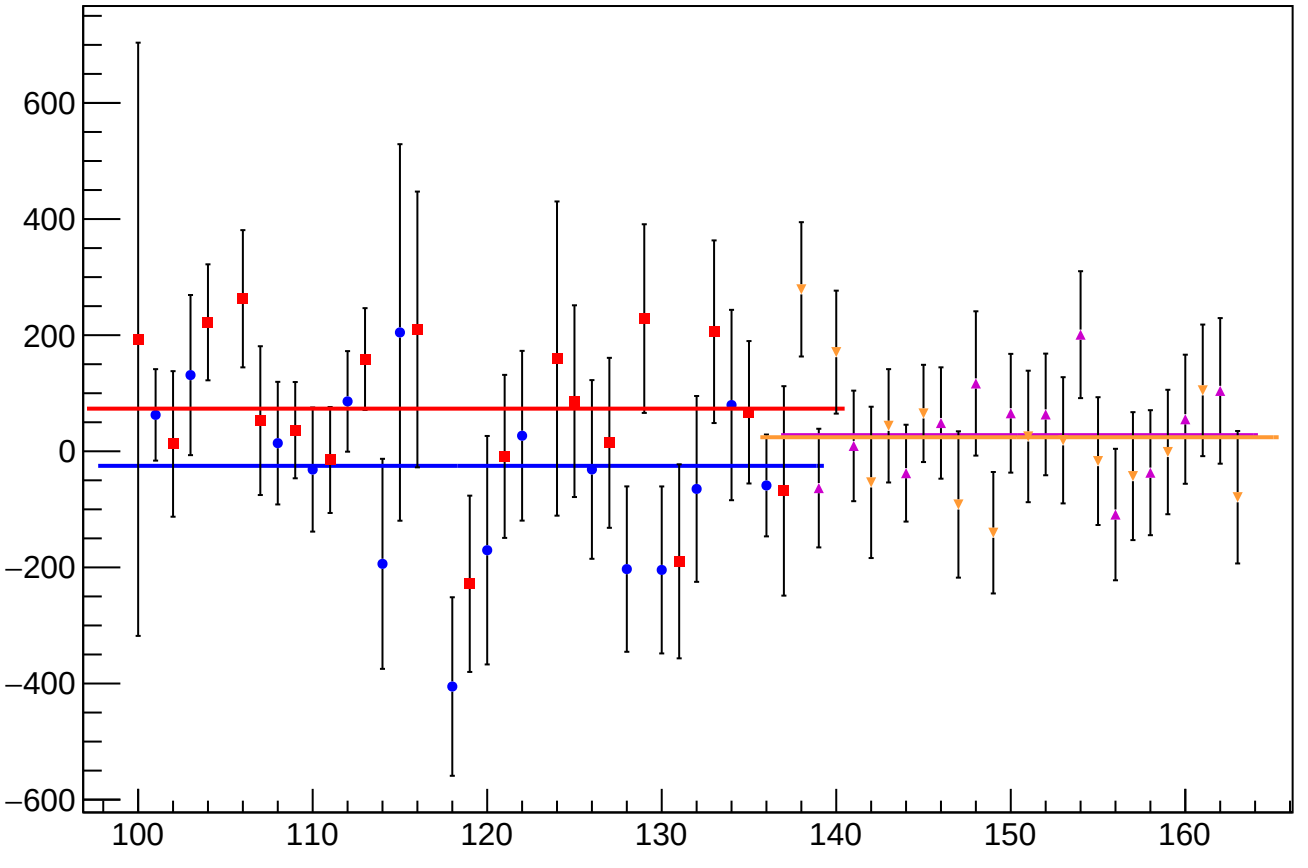
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.2/27

Out: -0.000+/-0.000 χ^2/NDF:35.3/32

All: -0.000+/-0.000 χ^2/NDF: 66.5/60


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1598865.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1039185.3/11
Left: 0.000+/-0.000 χ²/NDF: 2736067.0/25
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4334502.8/27
Out: 0.000+/-0.000 χ²/NDF:5851525.5/32
All: 0.000+/-0.000 χ²/NDF: 10330116.4/60



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.205+/-28.941 χ^2/NDF:12.6/13

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 27.813+/-30.118 χ^2/NDF:7.0/11

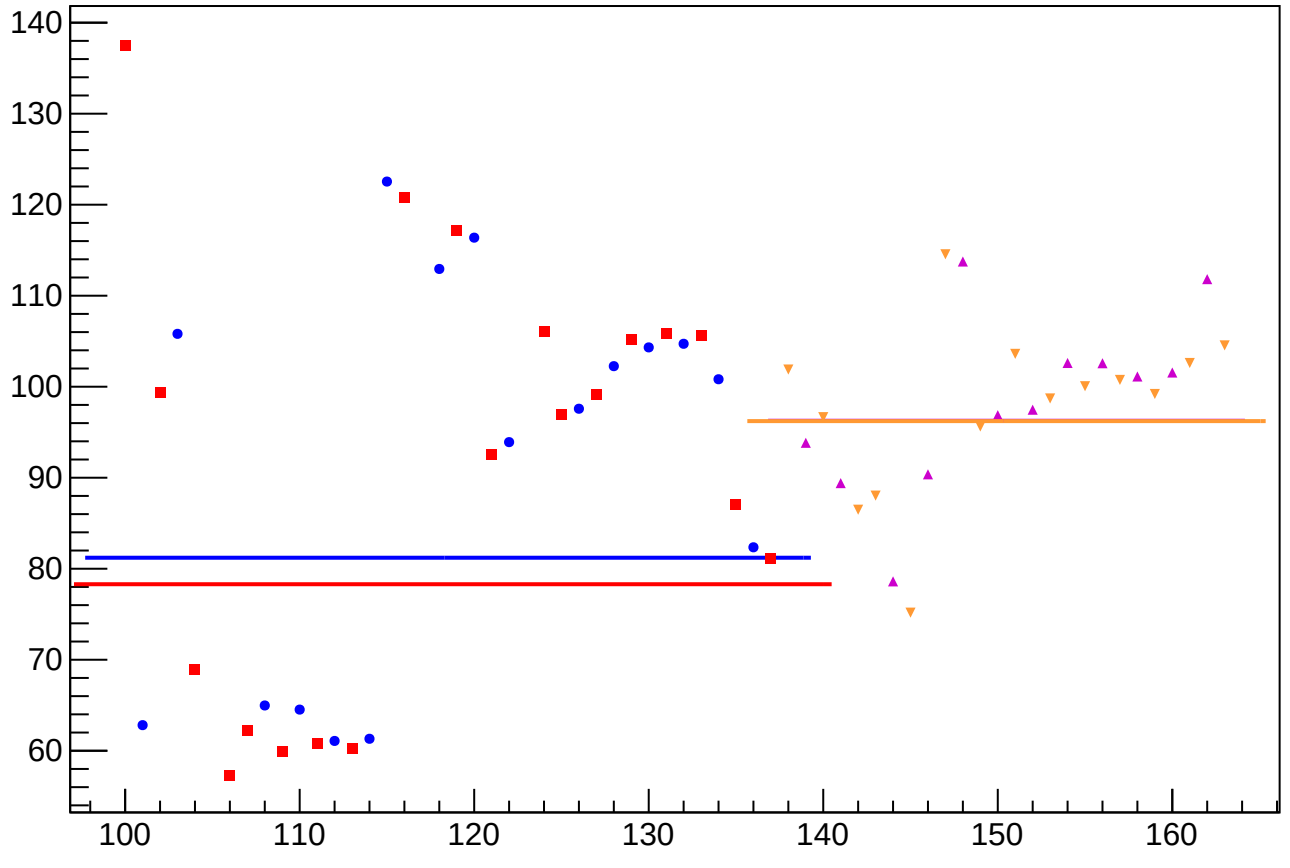
Left: 25.937+/-20.868 χ^2/NDF: 19.6/25

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 2.329+/-21.679 χ^2/NDF:24.7/27

Out: 48.000+/-20.807 χ^2/NDF:30.8/32

All: 26.102+/-15.011 χ^2/NDF: 57.8/60



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.260+/-0.021 χ^2/NDF:200932.4/11

Left: 96.240+/-0.015 χ^2/NDF: 433624.3/25

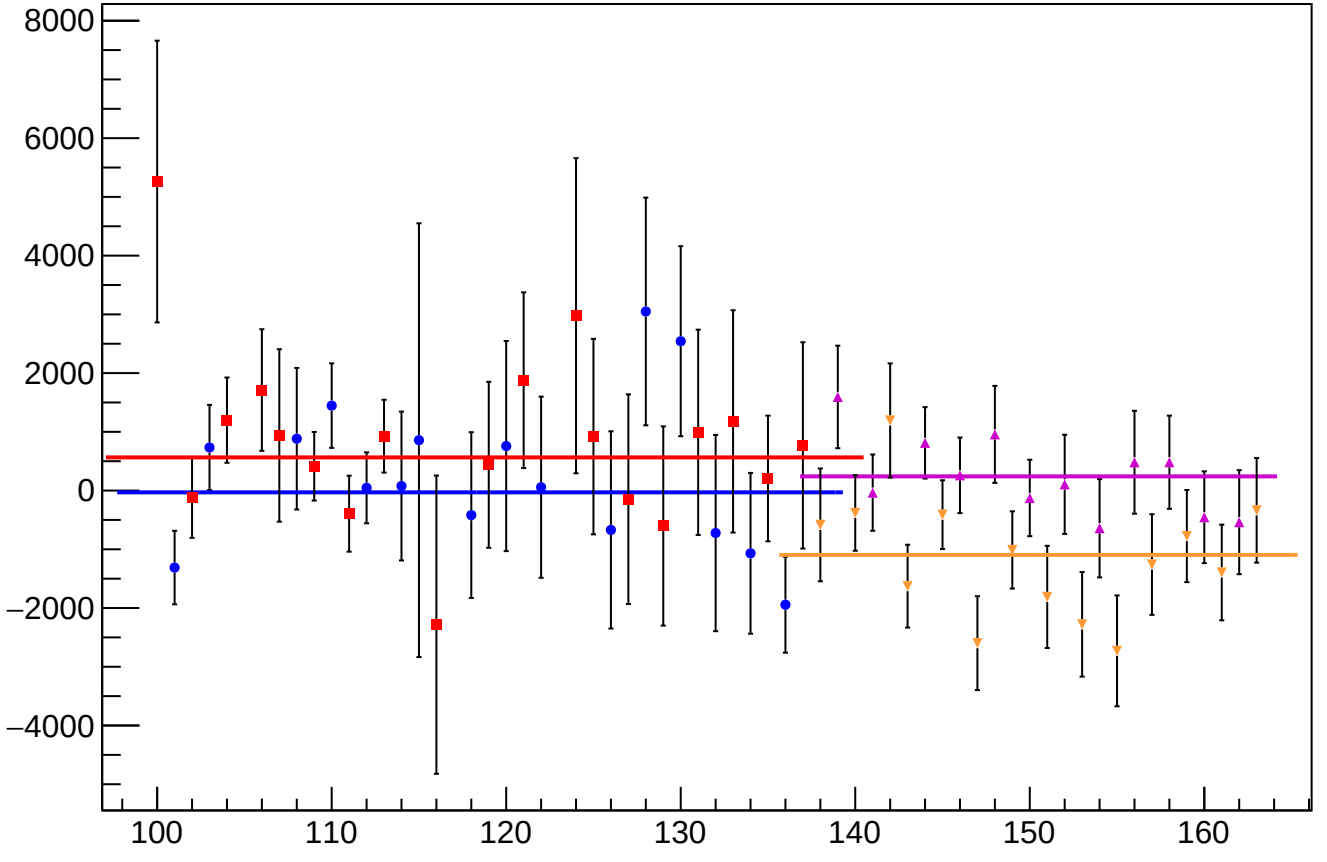
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 89.008+/-0.015 χ^2/NDF:1229288.9/27

Out: 87.562+/-0.015 χ^2/NDF:1537924.3/32

All: 88.255+/-0.011 χ^2/NDF: 2771845.5/60

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1095.245+/-209.333 χ^2/NDF:19.0/13

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 241.676+/-216.803 χ^2/NDF:7.4/11

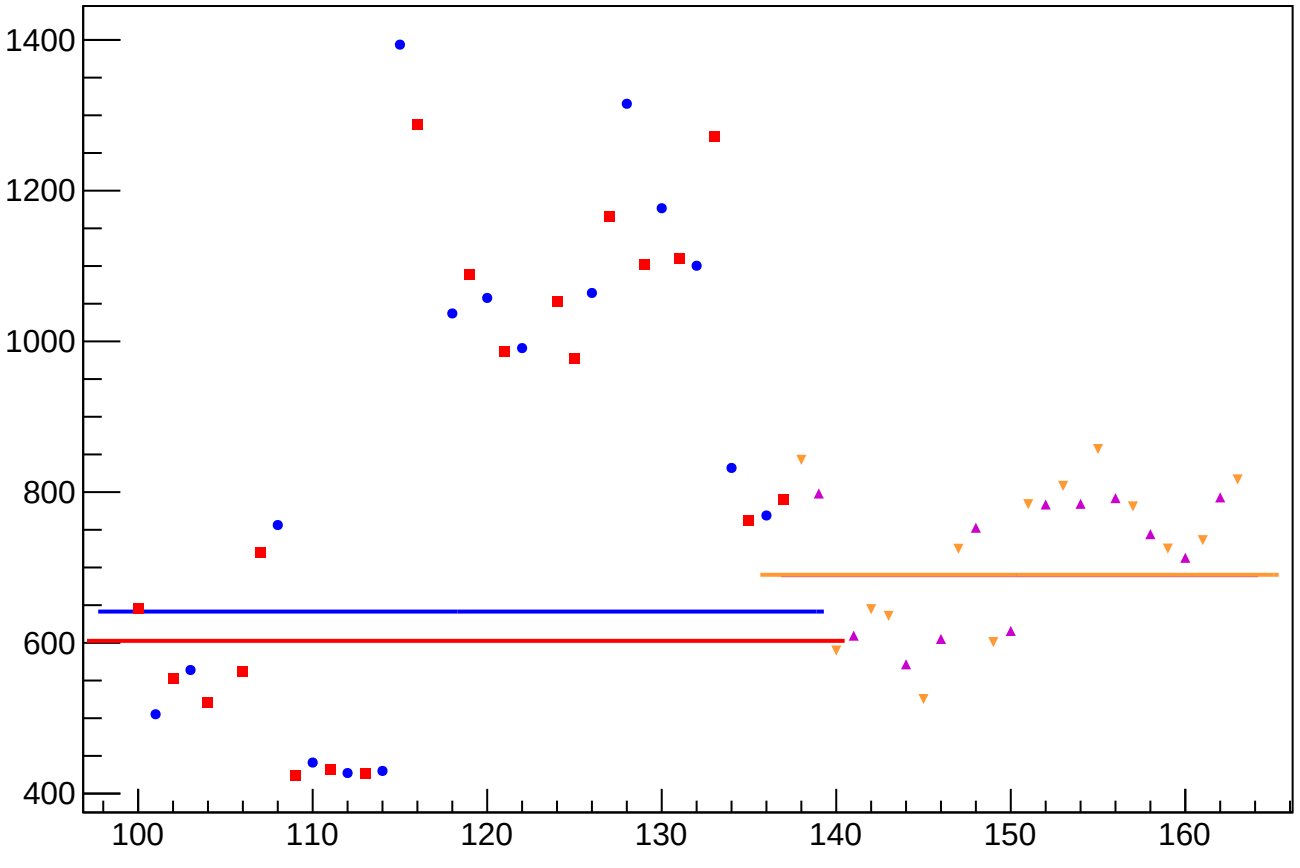
Left: -450.214+/-150.593 χ^2/NDF: 46.1/25

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 128.552+/-165.714 χ^2/NDF:29.9/27

Out: -372.816+/-157.326 χ^2/NDF:59.7/32

All: -135.142+/-114.096 χ^2/NDF: 94.5/60



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 690.324+/-0.148 χ^2/NDF:508607.1/13

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 689.846+/-0.153 χ^2/NDF:325154.2/11

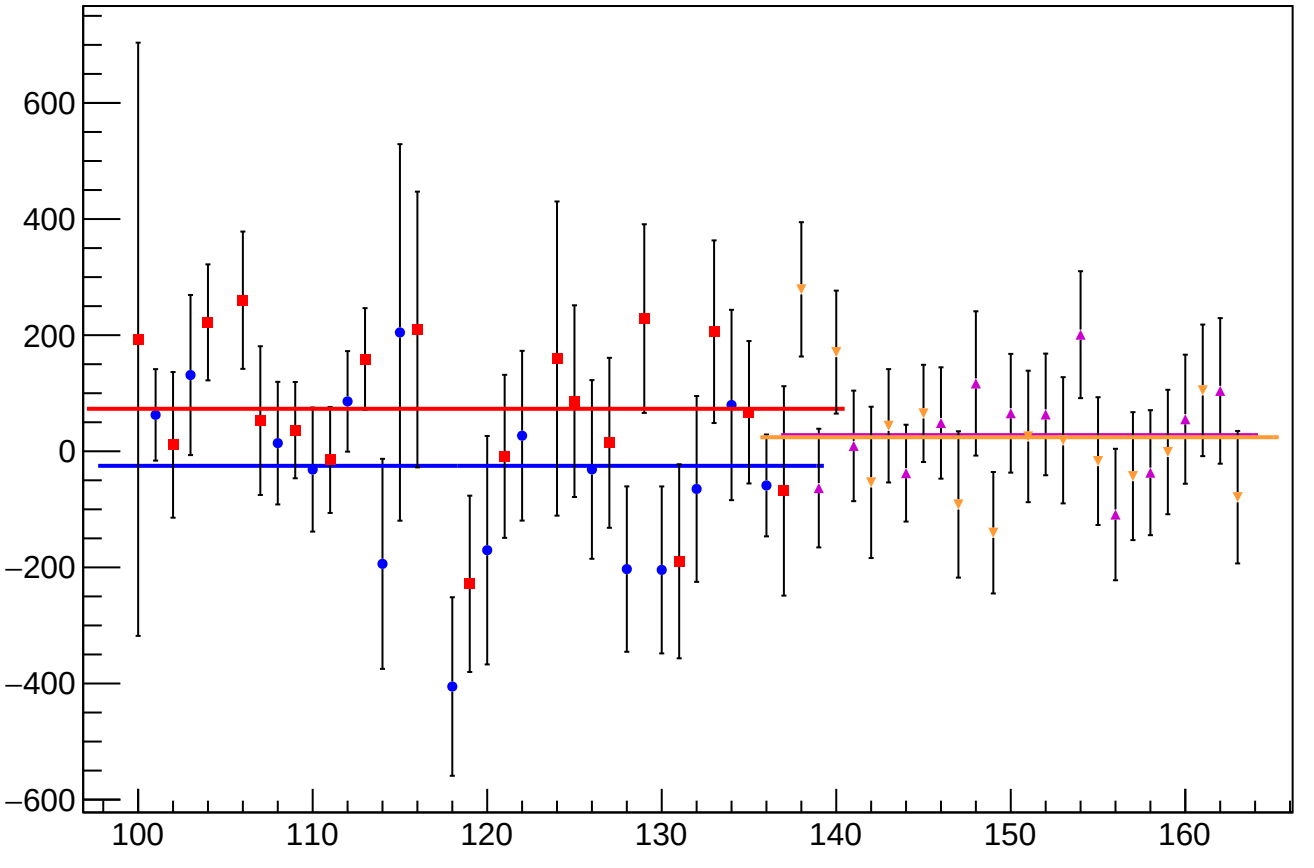
Left: 690.093+/-0.106 χ^2/NDF: 833766.4/25

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 669.744+/-0.117 χ^2/NDF:2241497.0/27

Out: 652.173+/-0.111 χ^2/NDF:2731570.5/32

All: 660.503+/-0.081 χ^2/NDF: 4984894.1/60



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 27.814+/-30.118 χ^2/NDF:7.0/11

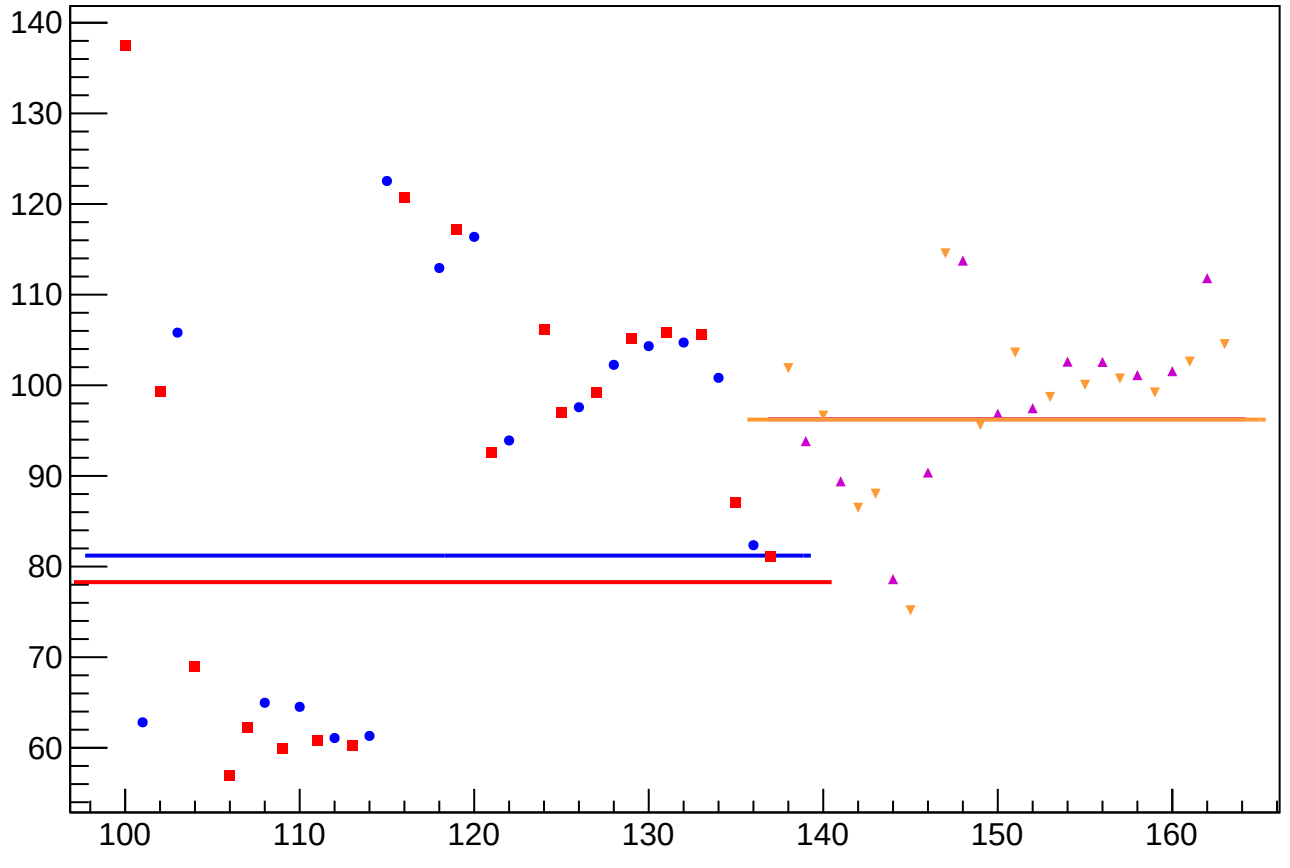
Left: 25.939+/-20.868 χ^2/NDF: 19.6/25

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 2.328+/-21.679 χ^2/NDF:24.7/27

Out: 47.872+/-20.807 χ^2/NDF:30.7/32

All: 26.034+/-15.012 χ^2/NDF: 57.7/60



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.260+/-0.021 χ^2/NDF:200932.4/11

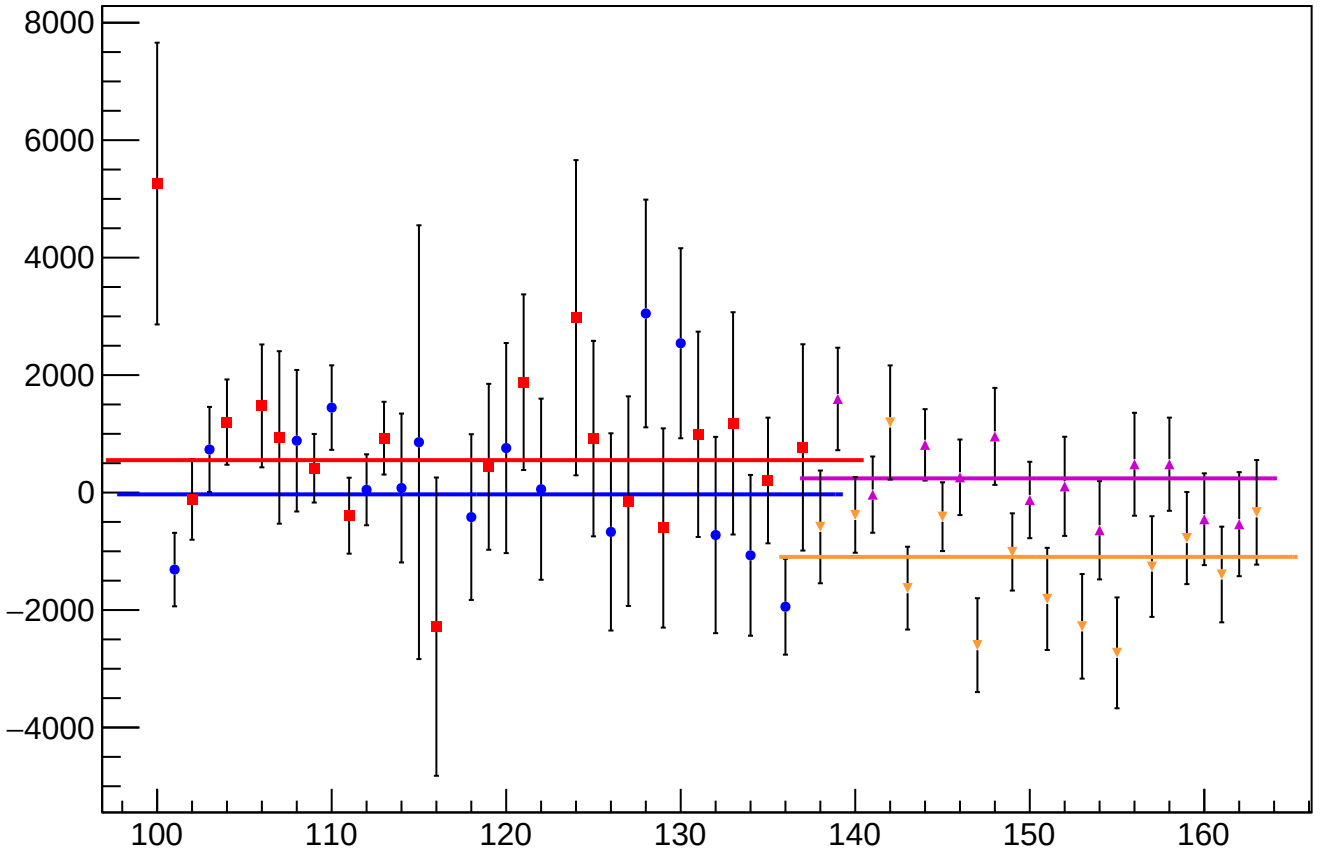
Left: 96.240+/-0.015 χ^2/NDF: 433624.3/25

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.008+/-0.015 χ^2/NDF:1229290.7/27

Out: 87.553+/-0.015 χ^2/NDF:1540810.5/32

All: 88.251+/-0.011 χ^2/NDF: 2774787.7/60



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1095.240+/-209.333 χ^2/NDF:19.0/13

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 241.680+/-216.804 χ^2/NDF:7.4/11

Left: -450.210+/-150.593 χ^2/NDF: 46.1/25

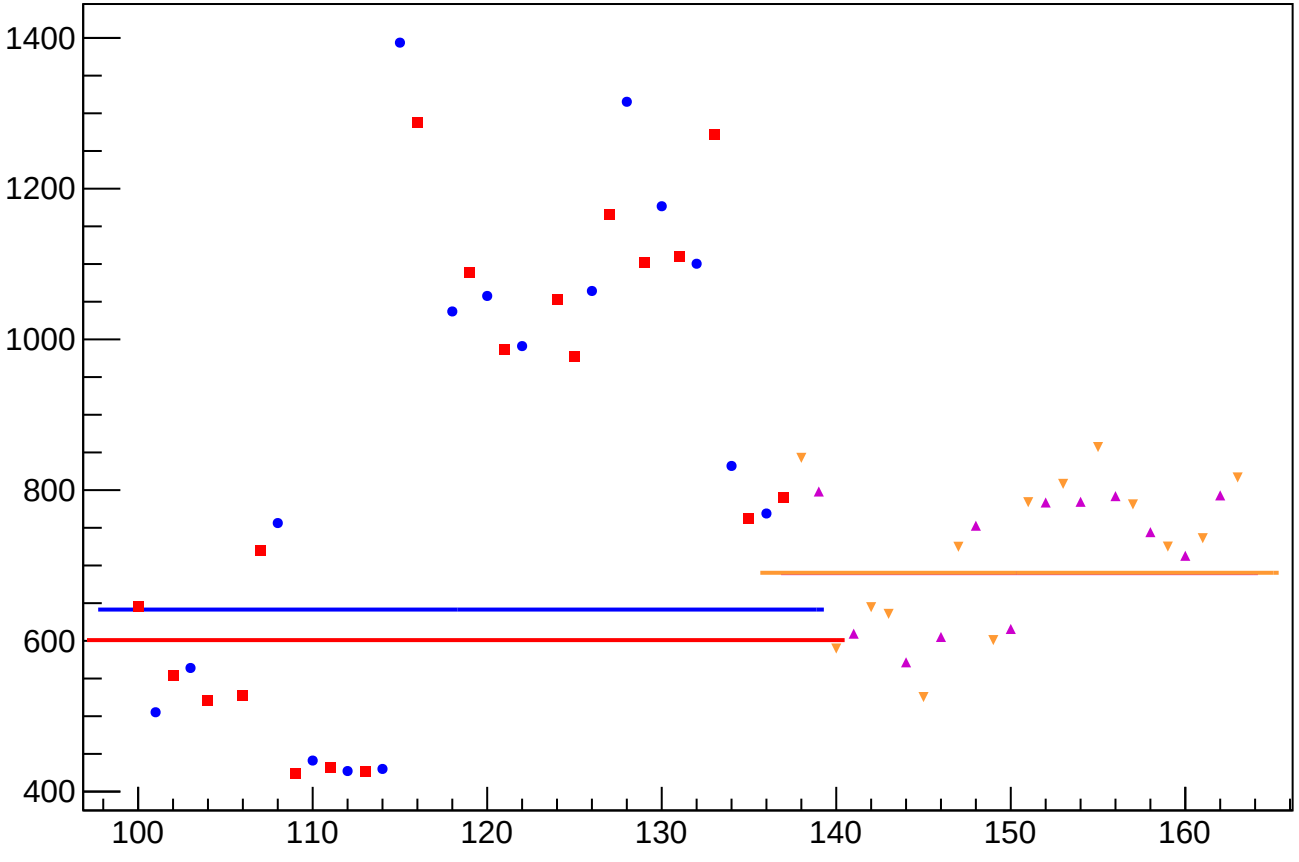
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 128.545+/-165.714 χ^2/NDF:29.9/27

Out: -378.948+/-157.368 χ^2/NDF:58.8/32

All: -138.303+/-114.113 χ^2/NDF: 93.7/60

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: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 689.846+/-0.153 χ^2/NDF:325152.4/11

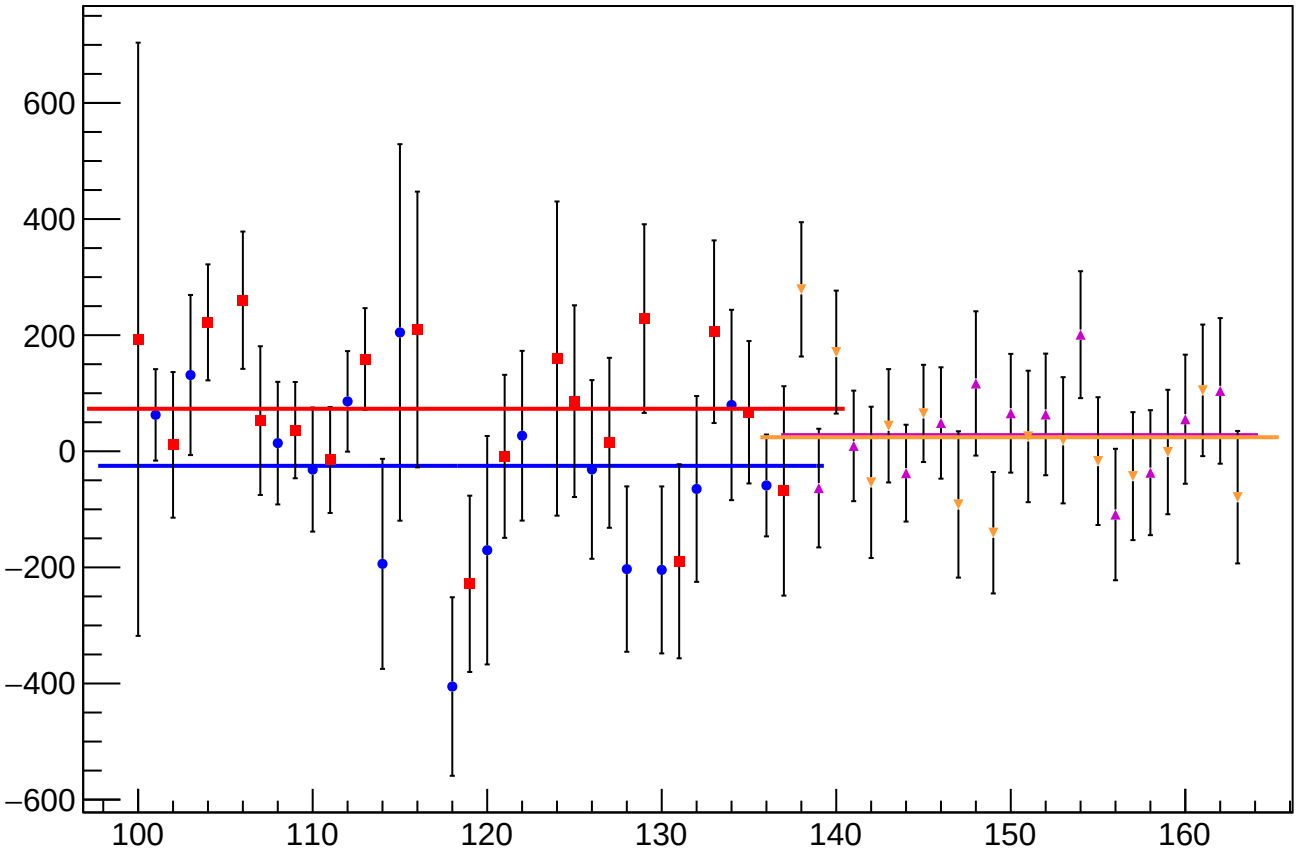
Left: 690.093+/-0.106 χ^2/NDF: 833765.6/25

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 669.749+/-0.117 χ^2/NDF:2241438.6/27

Out: 651.470+/-0.111 χ^2/NDF:2744285.4/32

All: 660.137+/-0.081 χ^2/NDF: 4998518.4/60



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 24.208+/-28.941 χ^2/NDF:12.6/13

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 27.814+/-30.118 χ^2/NDF:7.0/11

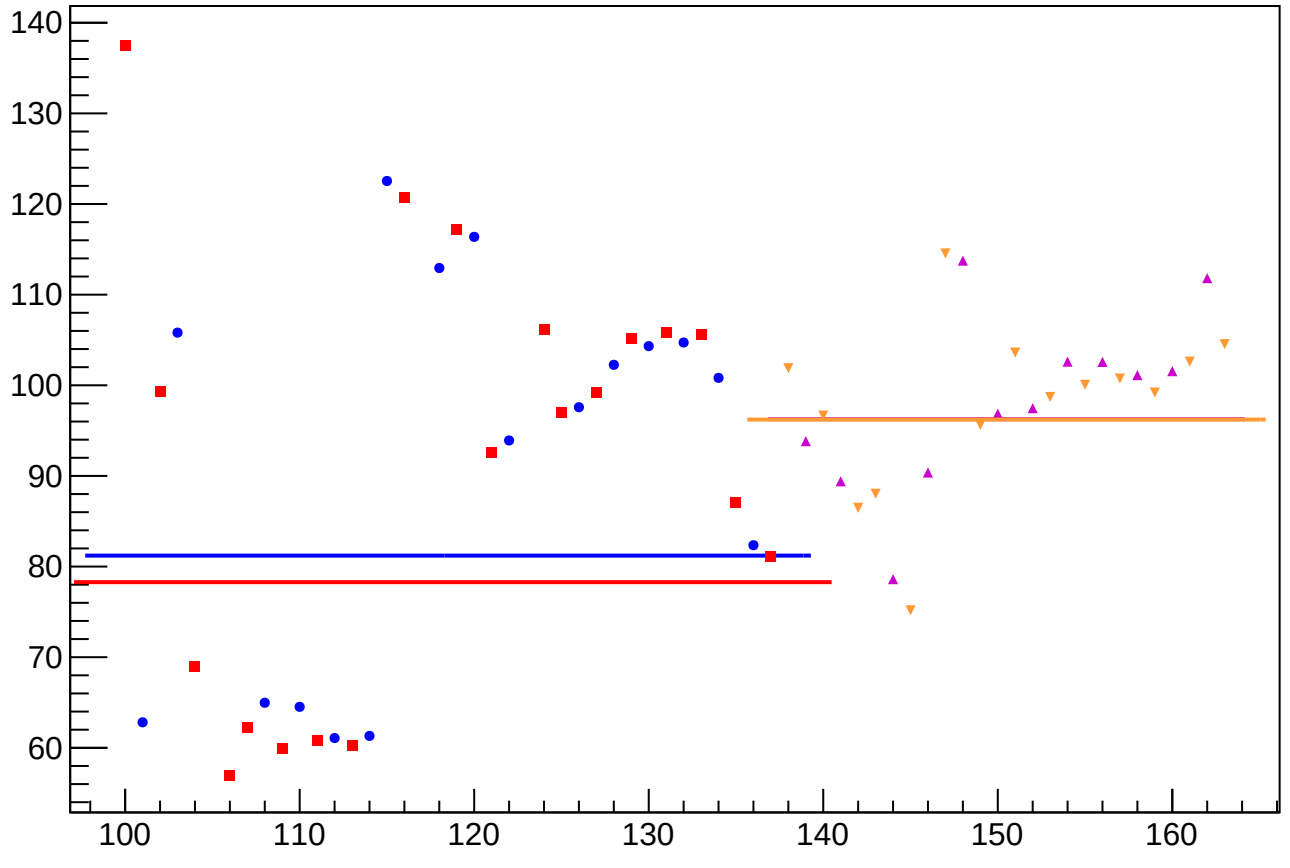
Left: 25.939+/-20.868 χ^2/NDF: 19.6/25

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 2.328+/-21.679 χ^2/NDF:24.7/27

Out: 47.872+/-20.807 χ^2/NDF:30.7/32

All: 26.034+/-15.012 χ^2/NDF: 57.7/60



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.220+/-0.020 χ^2/NDF:232690.1/13

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.260+/-0.021 χ^2/NDF:200932.4/11

Left: 96.240+/-0.015 χ^2/NDF: 433624.3/25

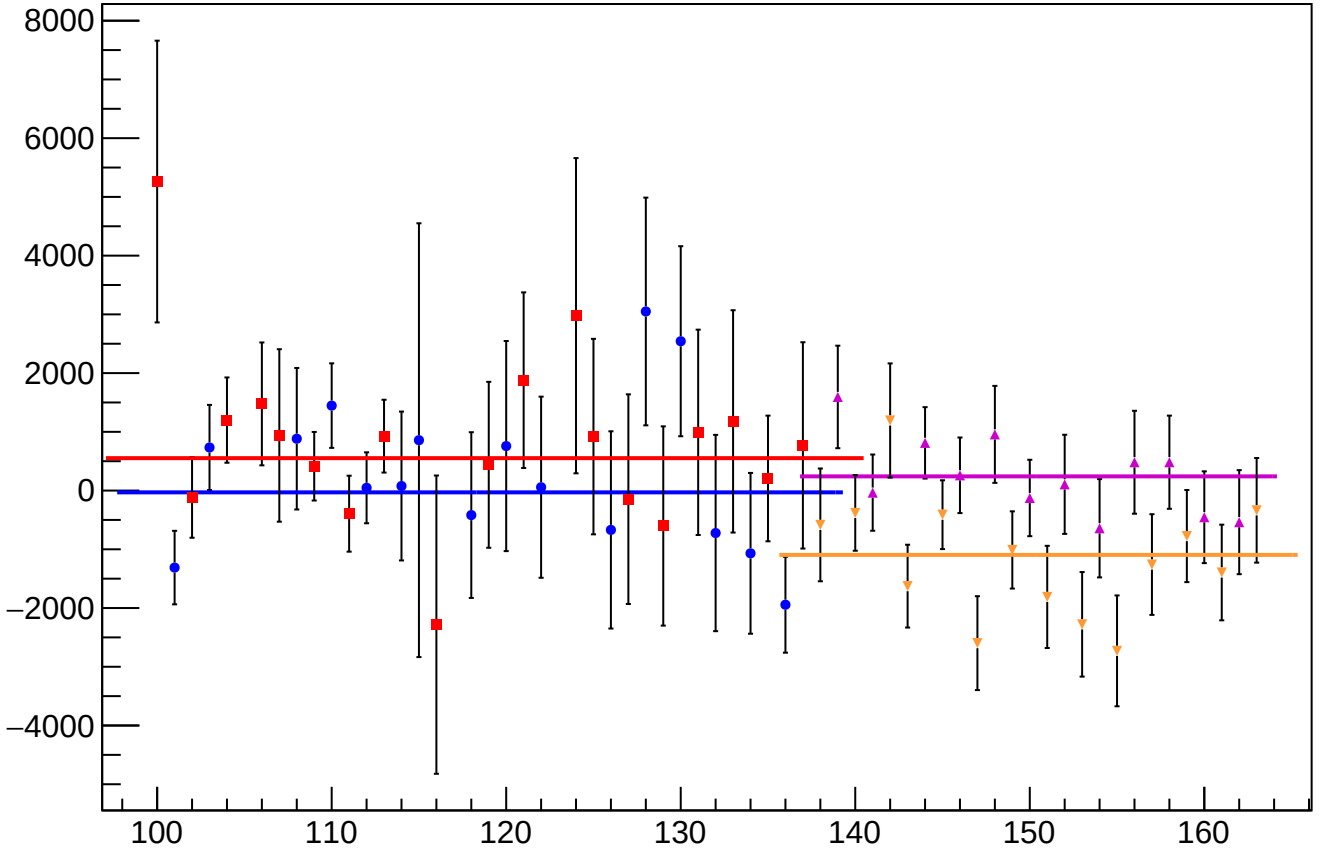
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 89.008+/-0.015 χ^2/NDF:1229290.7/27

Out: 87.553+/-0.015 χ^2/NDF:1540810.5/32

All: 88.251+/-0.011 χ^2/NDF: 2774787.7/60

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1095.240+/-209.333 χ^2/NDF:19.0/13

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 241.680+/-216.804 χ^2/NDF:7.4/11

Left: -450.210+/-150.593 χ^2/NDF: 46.1/25

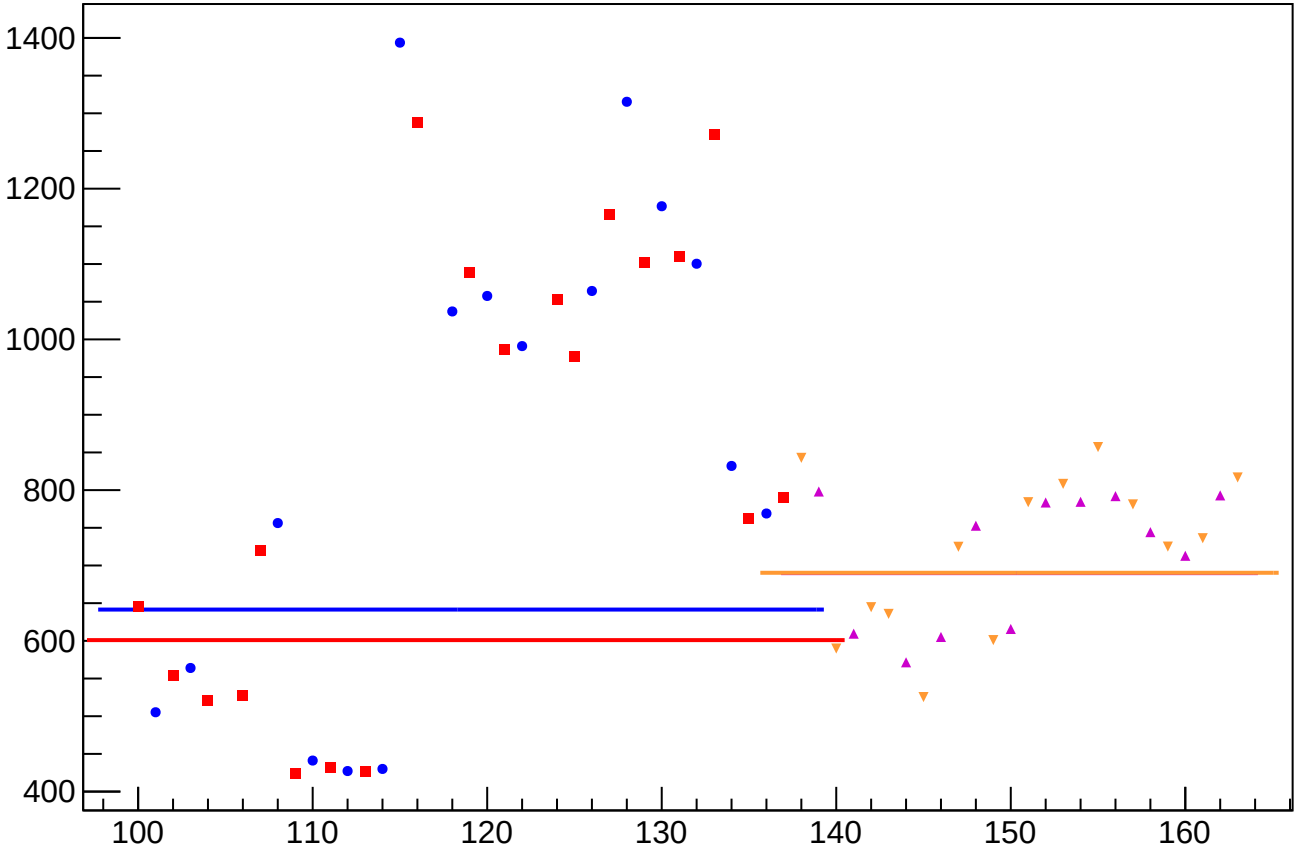
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 128.545+/-165.714 χ^2/NDF:29.9/27

Out: -378.948+/-157.368 χ^2/NDF:58.8/32

All: -138.303+/-114.113 χ^2/NDF: 93.7/60

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: 690.324+/-0.148 χ^2/NDF:508608.2/13

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 689.846+/-0.153 χ^2/NDF:325152.4/11

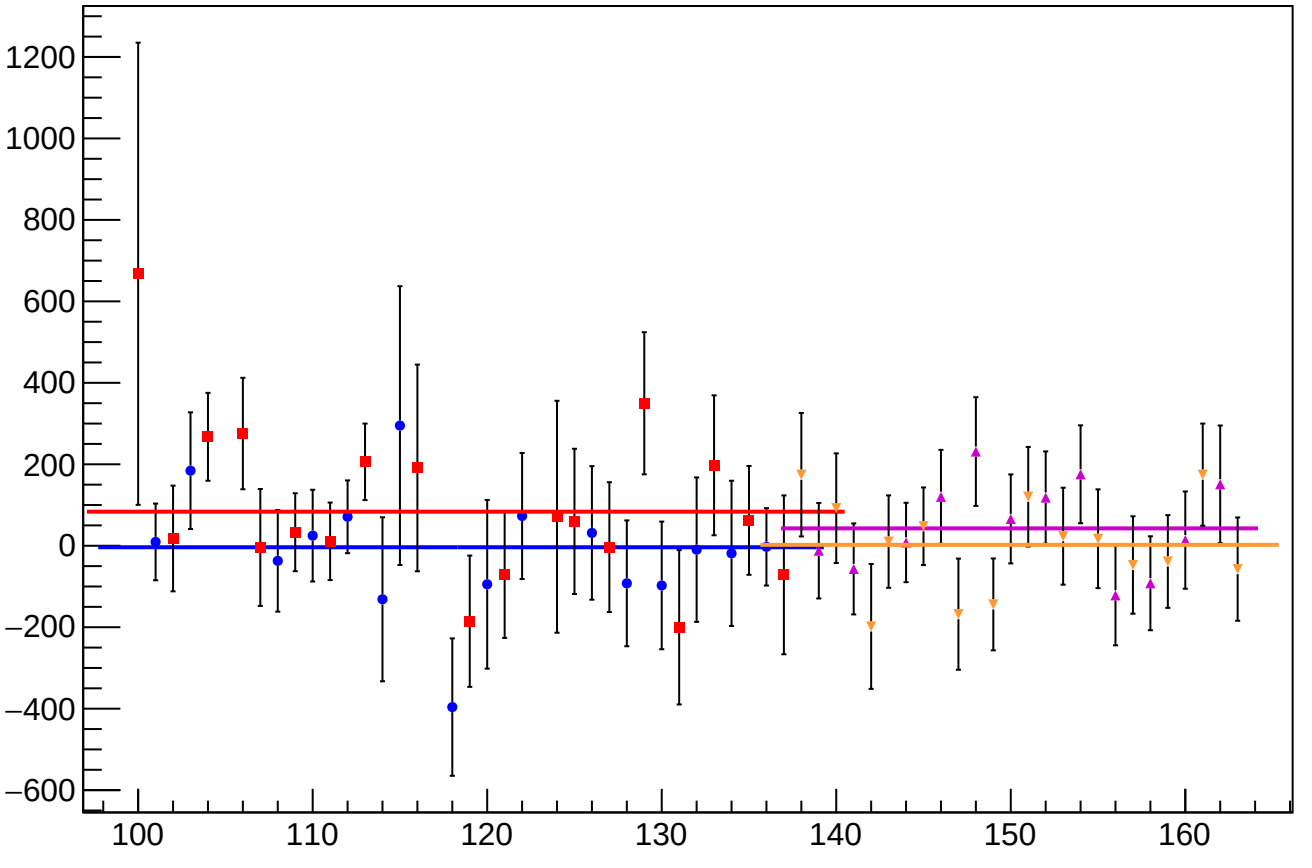
Left: 690.093+/-0.106 χ^2/NDF: 833765.6/25

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 669.749+/-0.117 χ^2/NDF:2241438.6/27

Out: 651.470+/-0.111 χ^2/NDF:2744285.4/32

All: 660.137+/-0.081 χ^2/NDF: 4998518.4/60



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 2.277+/-32.621 χ^2/NDF:10.3/13

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 42.655+/-33.704 χ^2/NDF:9.1/11

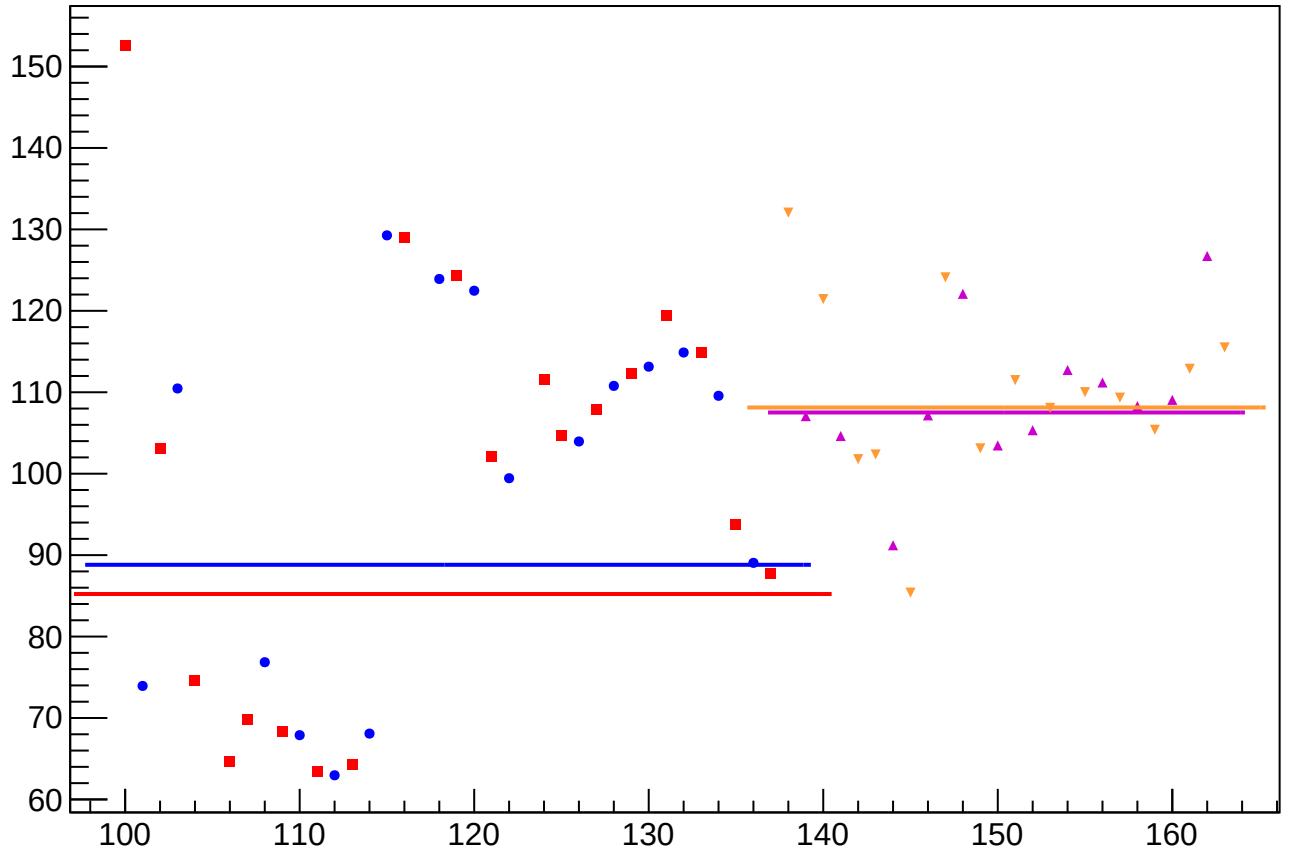
Left: 21.807+/-23.440 χ^2/NDF: 20.1/25

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 19.816+/-23.989 χ^2/NDF:20.3/27

Out: 42.962+/-23.071 χ^2/NDF:32.5/32

All: 31.841+/-16.629 χ^2/NDF: 53.3/60



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.134+/-0.023 χ^2/NDF:236259.2/13

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 107.516+/-0.024 χ^2/NDF:126155.5/11

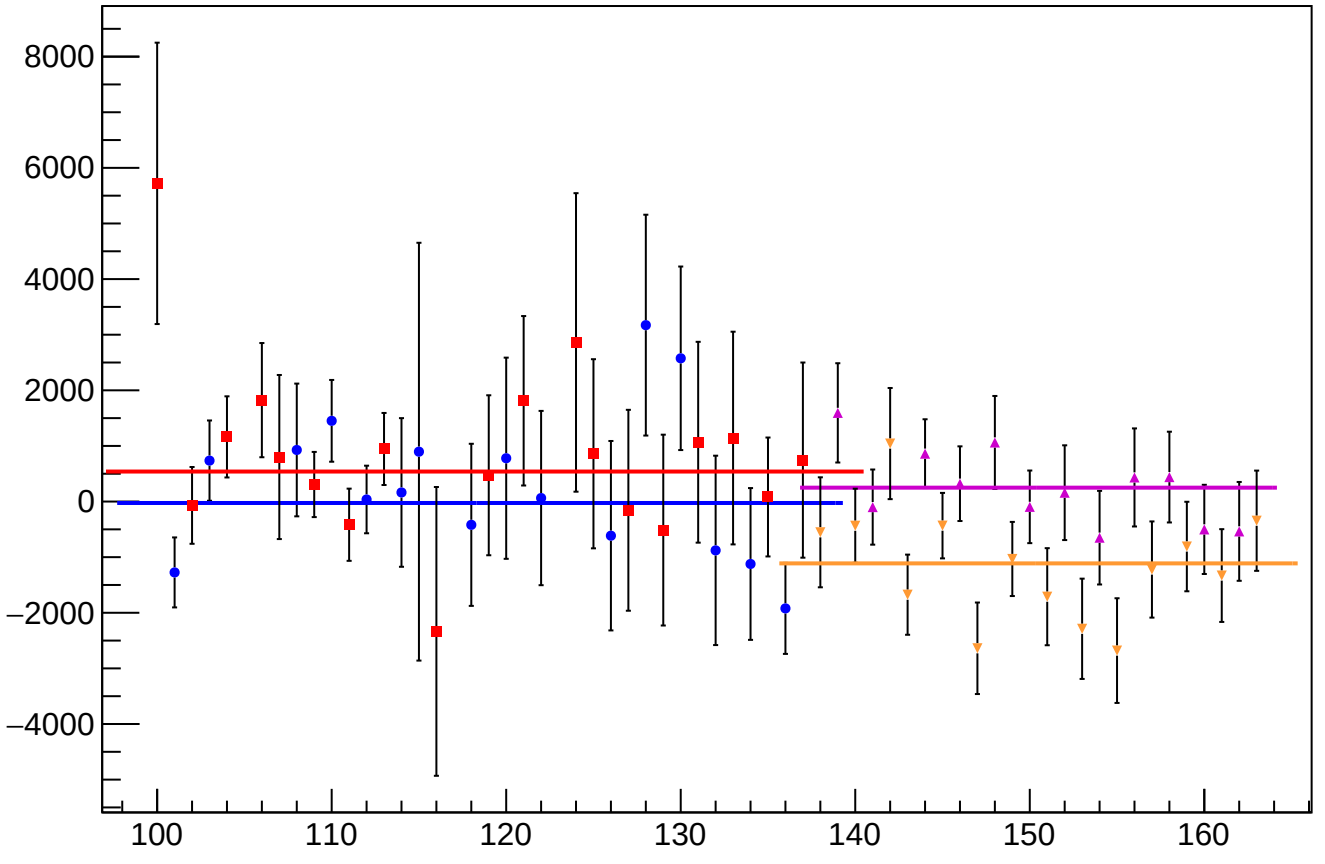
Left: 107.835+/-0.017 χ^2/NDF: 362761.5/25

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 98.288+/-0.017 χ^2/NDF:1154634.7/27

Out: 96.684+/-0.016 χ^2/NDF:1613372.9/32

All: 97.455+/-0.012 χ^2/NDF: 2772658.1/60



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -1111.906+/-213.007 χ^2/NDF:17.3/13

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 249.649+/-221.100 χ^2/NDF:7.7/11

Left: -456.502+/-153.400 χ^2/NDF: 44.6/25

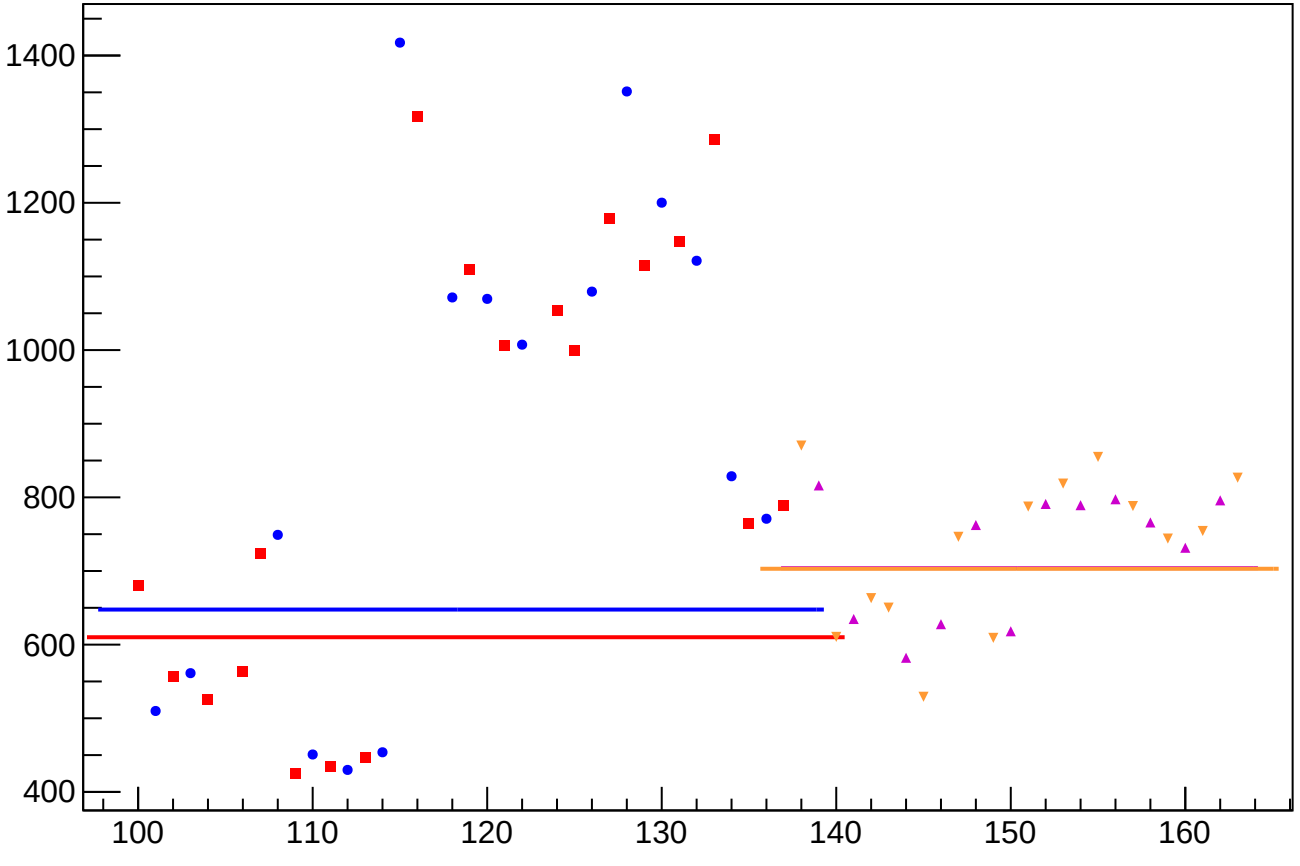
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 133.755+/-168.270 χ^2/NDF:29.9/27

Out: -388.382+/-159.672 χ^2/NDF:57.3/32

All: -140.994+/-115.825 χ^2/NDF: 92.2/60

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: 703.039+/-0.151 χ^2/NDF:502867.3/13

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 703.857+/-0.156 χ^2/NDF:299543.8/11

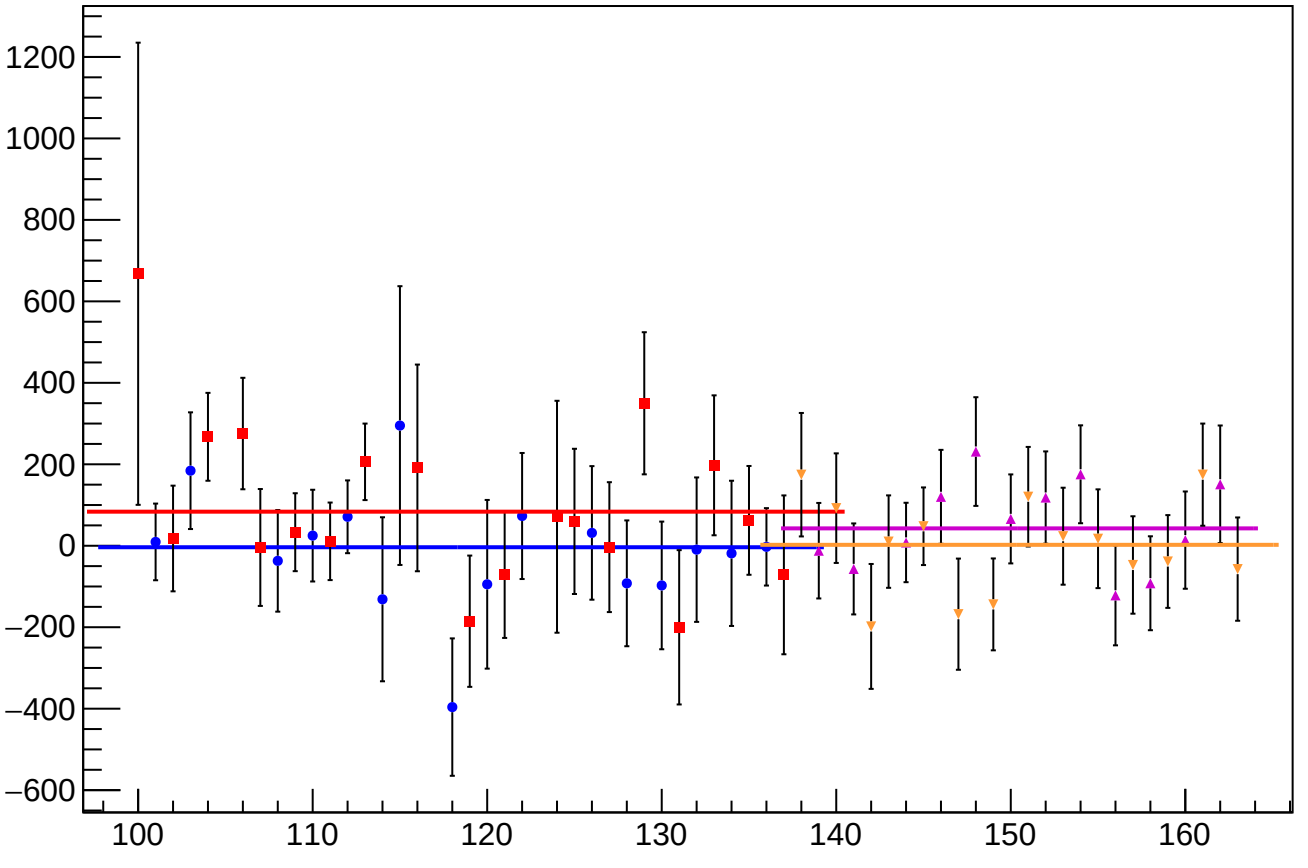
Left: 703.433+/-0.108 χ^2/NDF: 802425.3/25

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 680.202+/-0.119 χ^2/NDF:2241765.4/27

Out: 662.306+/-0.113 χ^2/NDF:2744058.6/32

All: 670.785+/-0.082 χ^2/NDF: 4997727.0/60



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 2.278+/-32.621 χ^2/NDF:10.3/13

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 42.656+/-33.704 χ^2/NDF:9.1/11

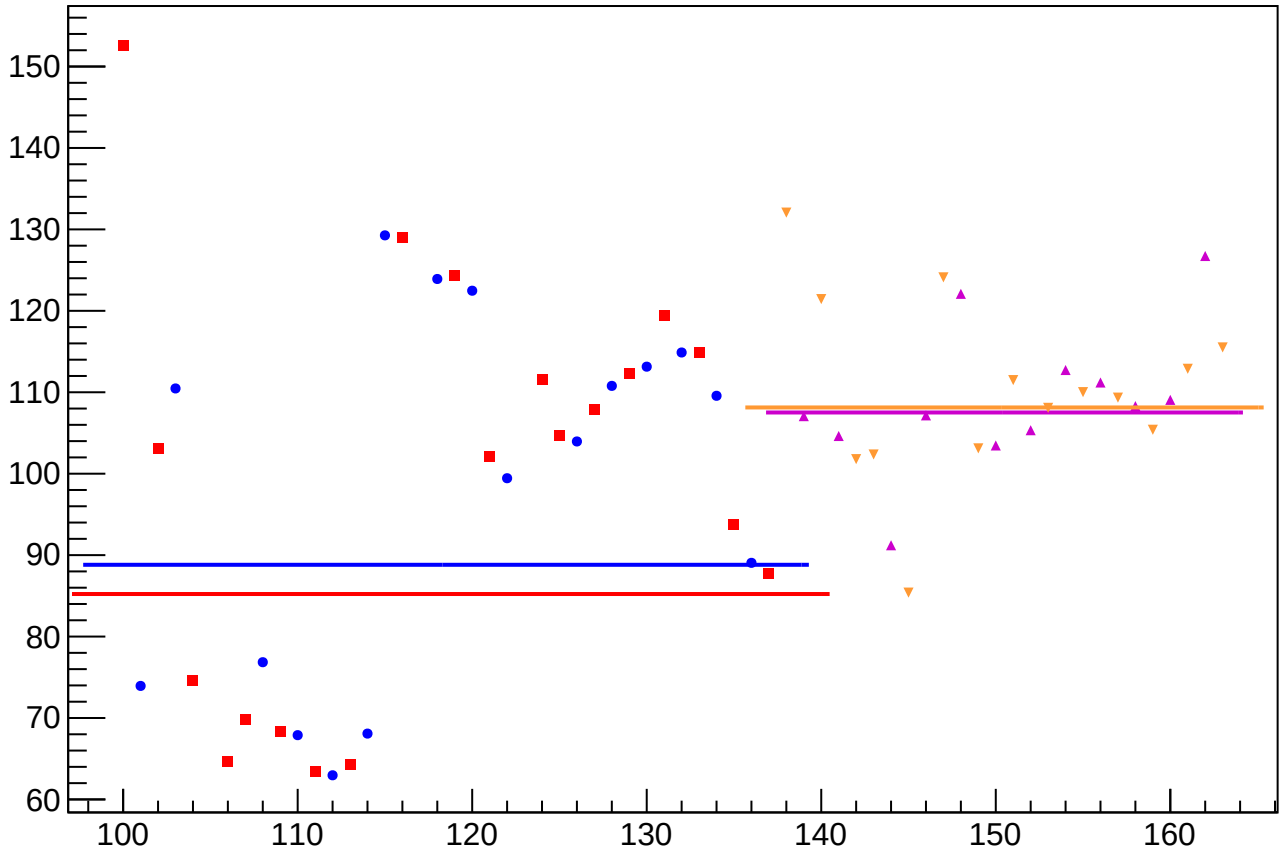
Left: 21.808+/-23.440 χ^2/NDF: 20.1/25

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 19.817+/-23.989 χ^2/NDF:20.3/27

Out: 42.962+/-23.071 χ^2/NDF:32.5/32

All: 31.841+/-16.629 χ^2/NDF: 53.3/60



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.134+/-0.023 χ^2/NDF:236256.9/13

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 107.517+/-0.024 χ^2/NDF:126154.0/11

Left: 107.836+/-0.017 χ^2/NDF: 362757.7/25

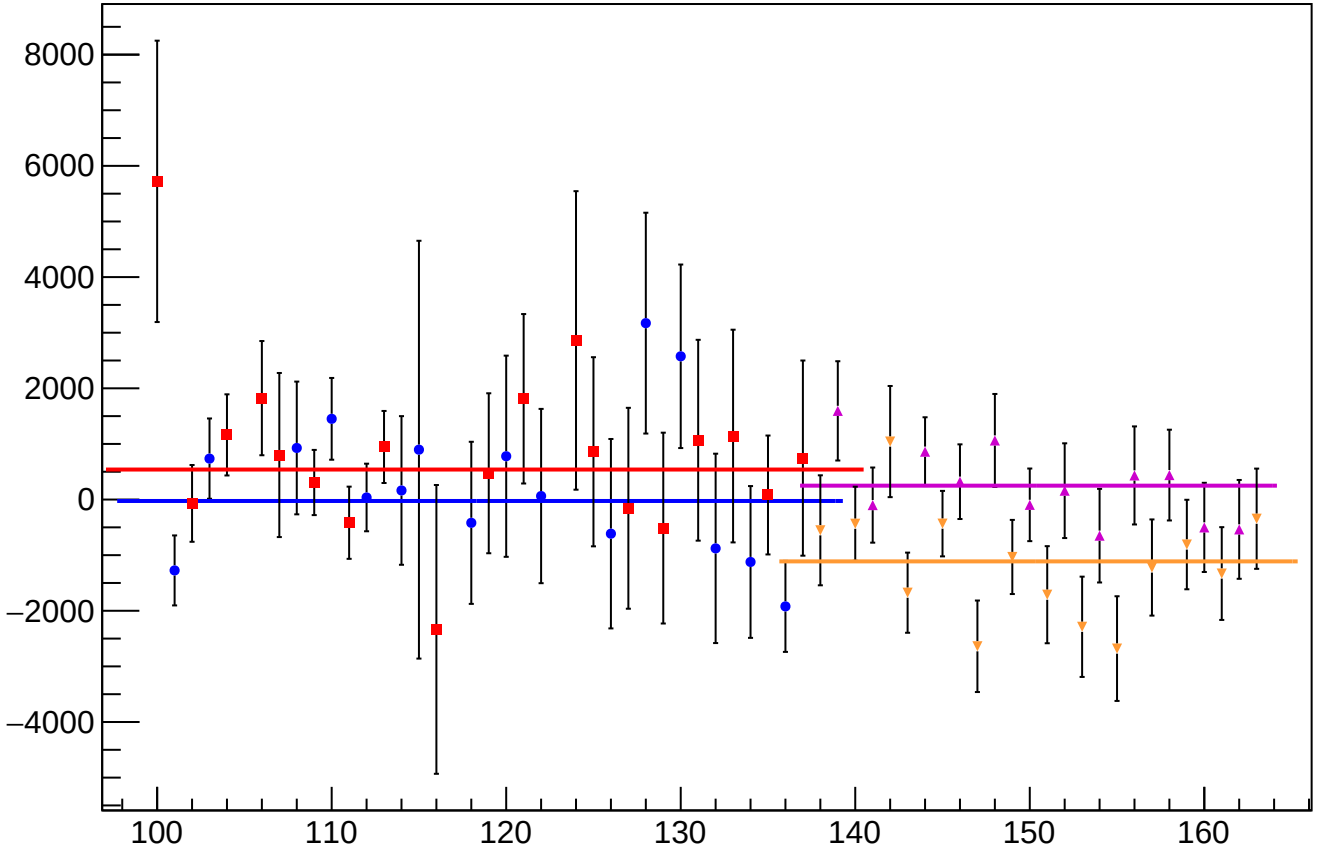
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 98.289+/-0.017 χ^2/NDF:1154640.1/27

Out: 96.684+/-0.016 χ^2/NDF:1613381.5/32

All: 97.455+/-0.012 χ^2/NDF: 2772672.1/60

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: -1111.904+/-213.007 χ^2/NDF:17.3/13

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 249.649+/-221.100 χ^2/NDF:7.7/11

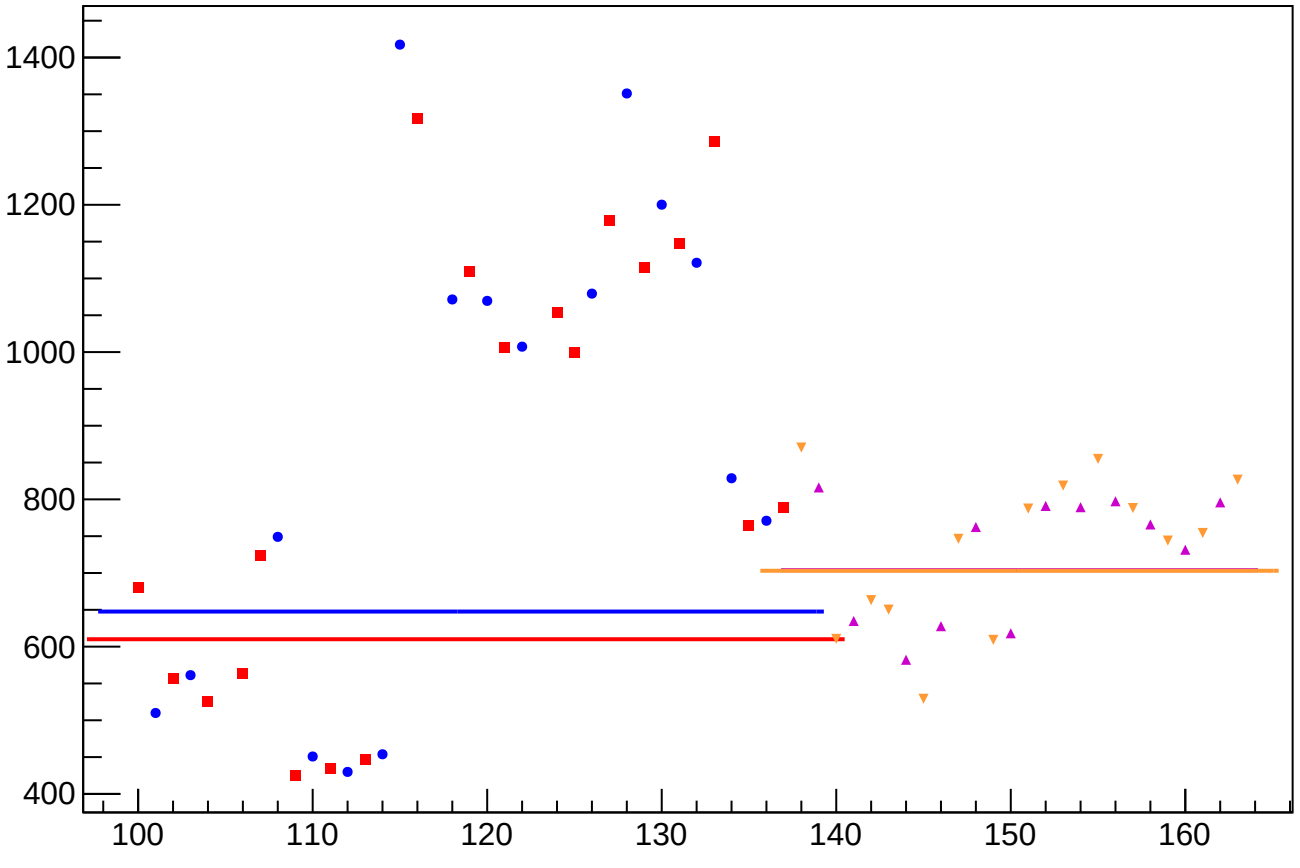
Left: -456.502+/-153.400 χ^2/NDF: 44.6/25

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 133.754+/-168.270 χ^2/NDF:29.9/27

Out: -388.382+/-159.672 χ^2/NDF:57.3/32

All: -140.994+/-115.825 χ^2/NDF: 92.2/60



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 703.038+/-0.151 χ^2/NDF:502867.7/13

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 703.857+/-0.156 χ^2/NDF:299541.1/11

Left: 703.432+/-0.108 χ^2/NDF: 802423.0/25

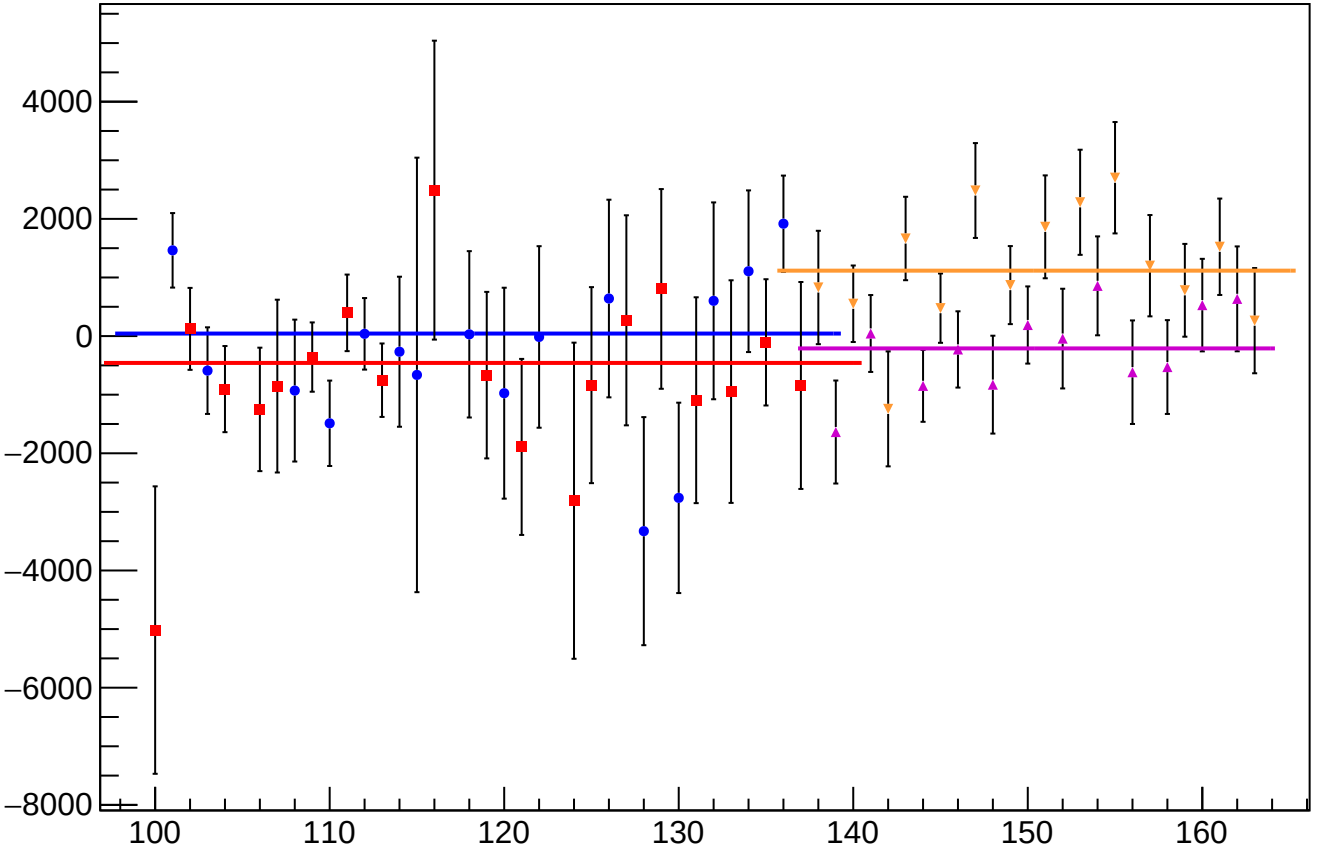
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 680.201+/-0.119 χ^2/NDF:2241768.5/27

Out: 662.305+/-0.113 χ^2/NDF:2744062.9/32

All: 670.784+/-0.082 χ^2/NDF: 4997734.5/60

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1116.559+/-211.448 χ^2/NDF:17.9/13

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -210.524+/-218.979 χ^2/NDF:8.6/11

Left: 476.230+/-152.109 χ^2/NDF: 45.5/25

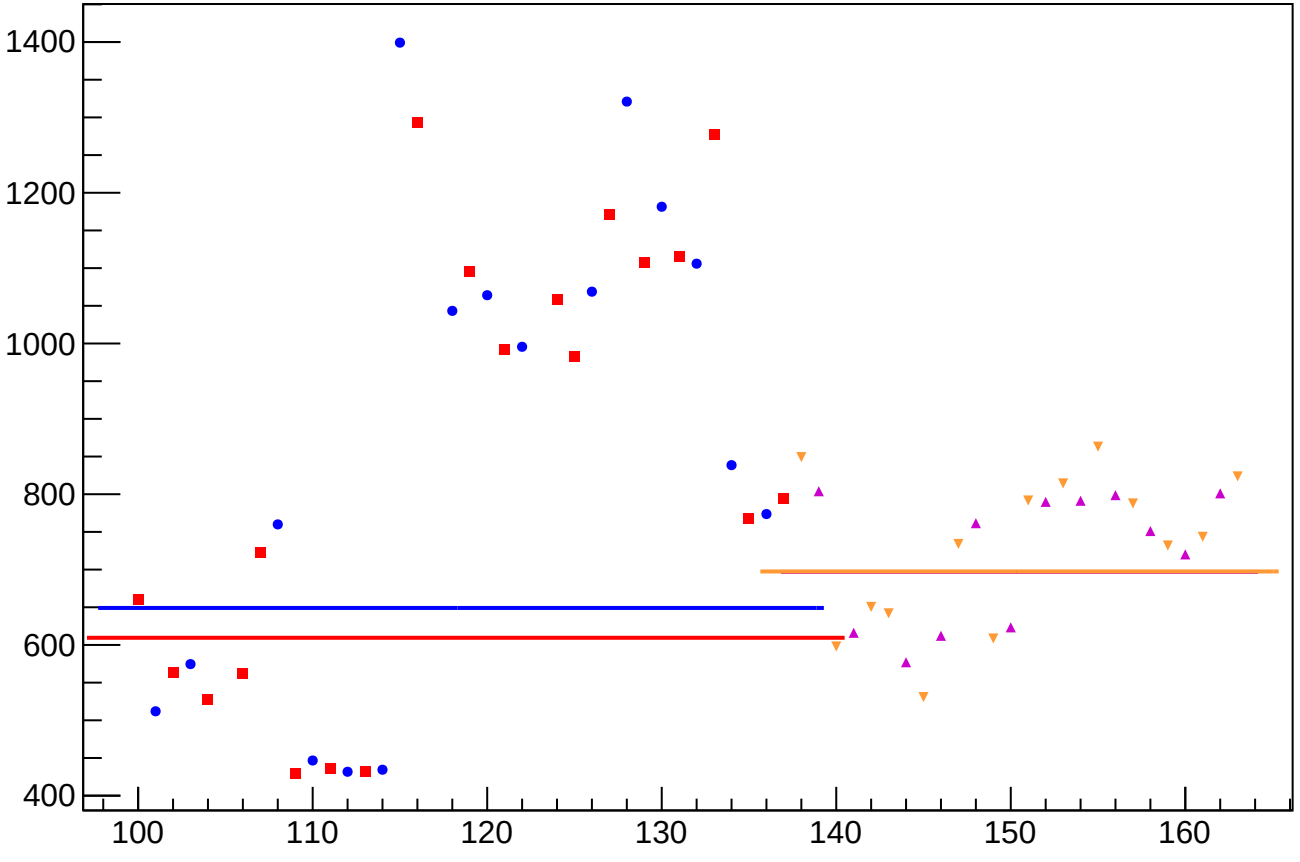
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -105.157+/-167.435 χ^2/NDF:32.3/27

Out: 432.015+/-158.977 χ^2/NDF:53.3/32

All: 177.339+/-115.288 χ^2/NDF: 91.0/60

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 697.496+/-0.150 χ^2/NDF:499970.8/13

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 696.894+/-0.155 χ^2/NDF:320705.1/11

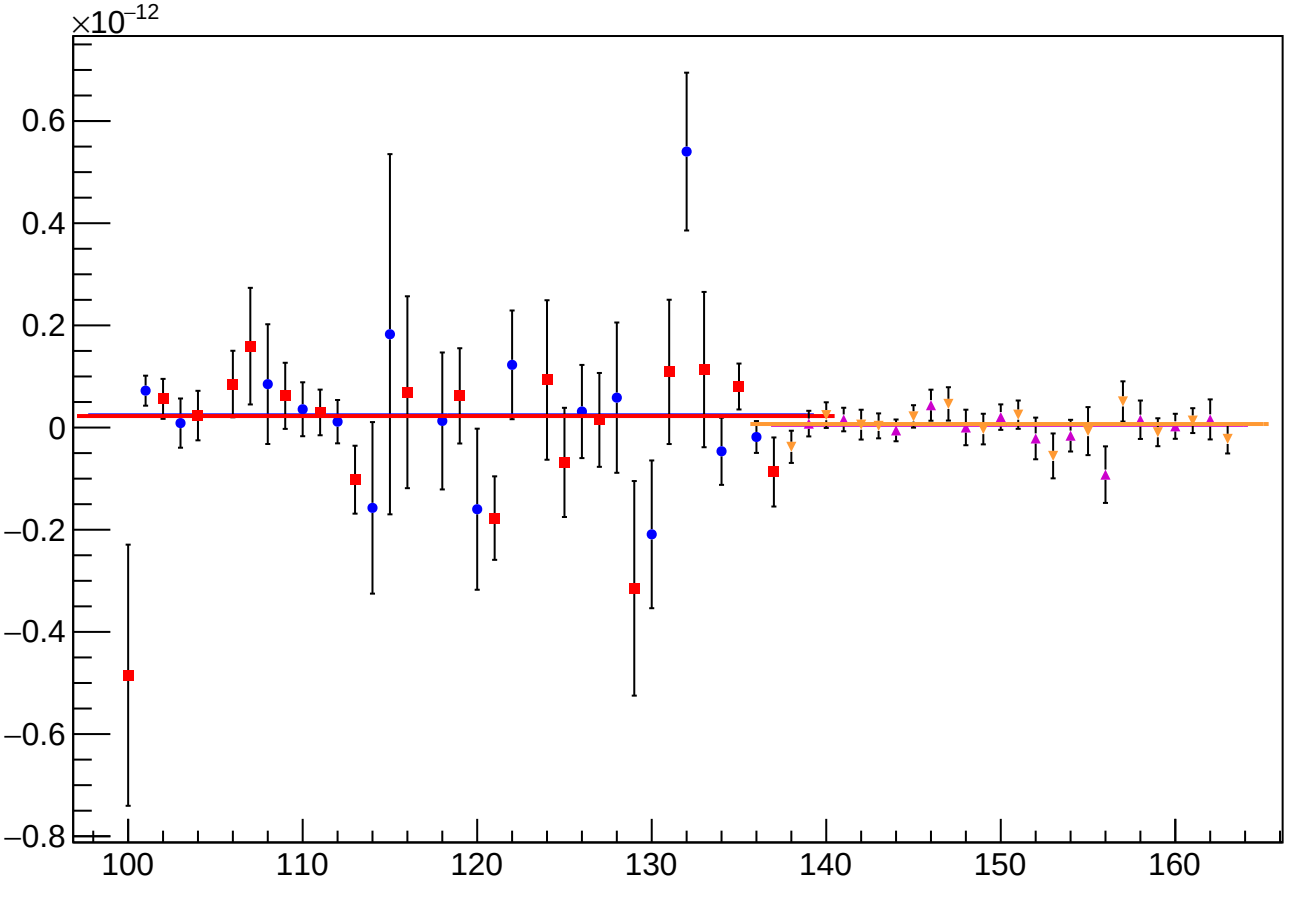
Left: 697.206+/-0.108 χ^2/NDF: 820683.7/25

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 677.038+/-0.118 χ^2/NDF:2206109.1/27

Out: 659.249+/-0.112 χ^2/NDF:2694084.5/32

All: 667.683+/-0.082 χ^2/NDF: 4912065.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/11

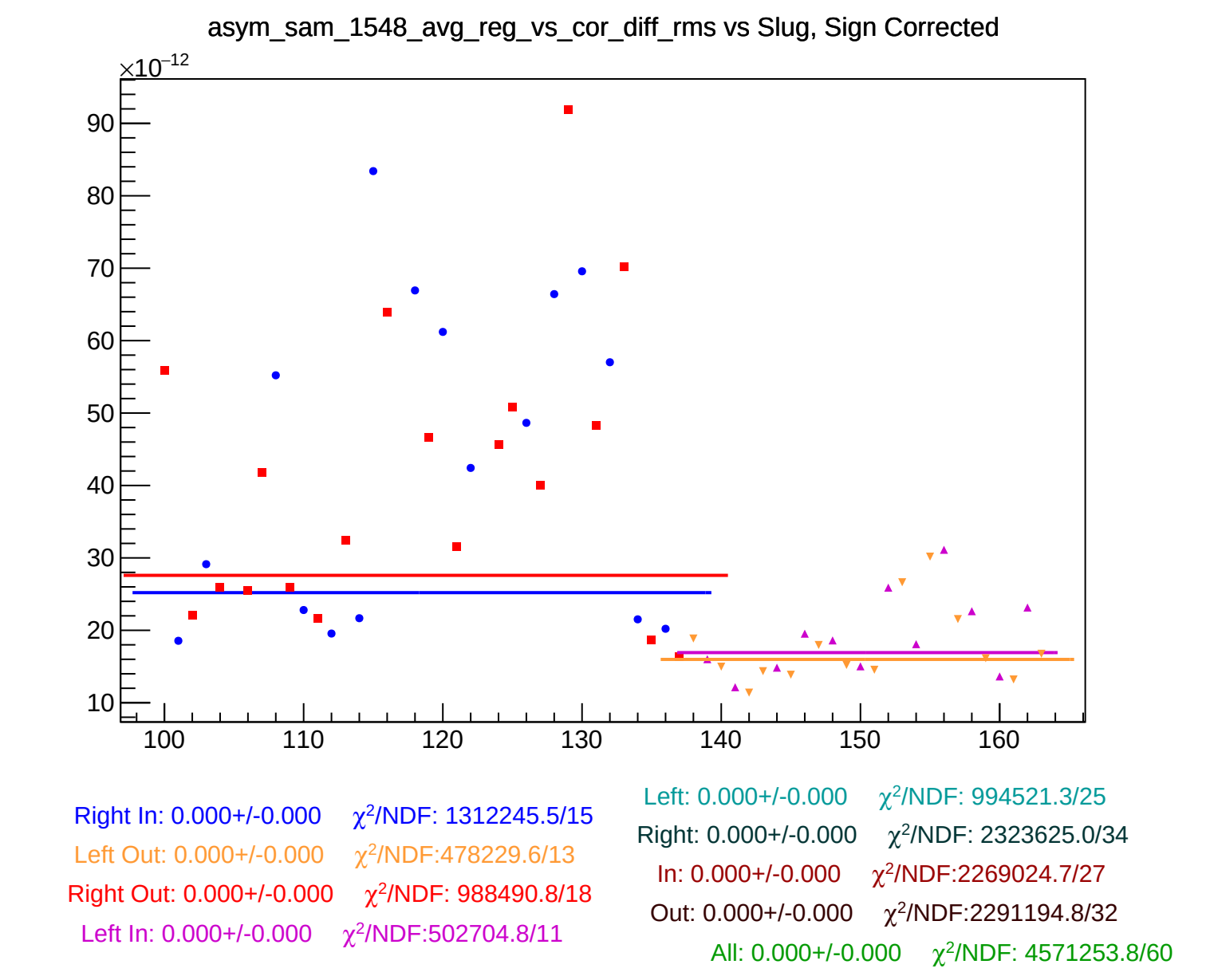
Left: 0.000+/-0.000 χ^2/NDF: 16.4/25

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:31.4/27

Out: 0.000+/-0.000 χ^2/NDF:36.2/32

All: 0.000+/-0.000 χ^2/NDF: 67.6/60


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
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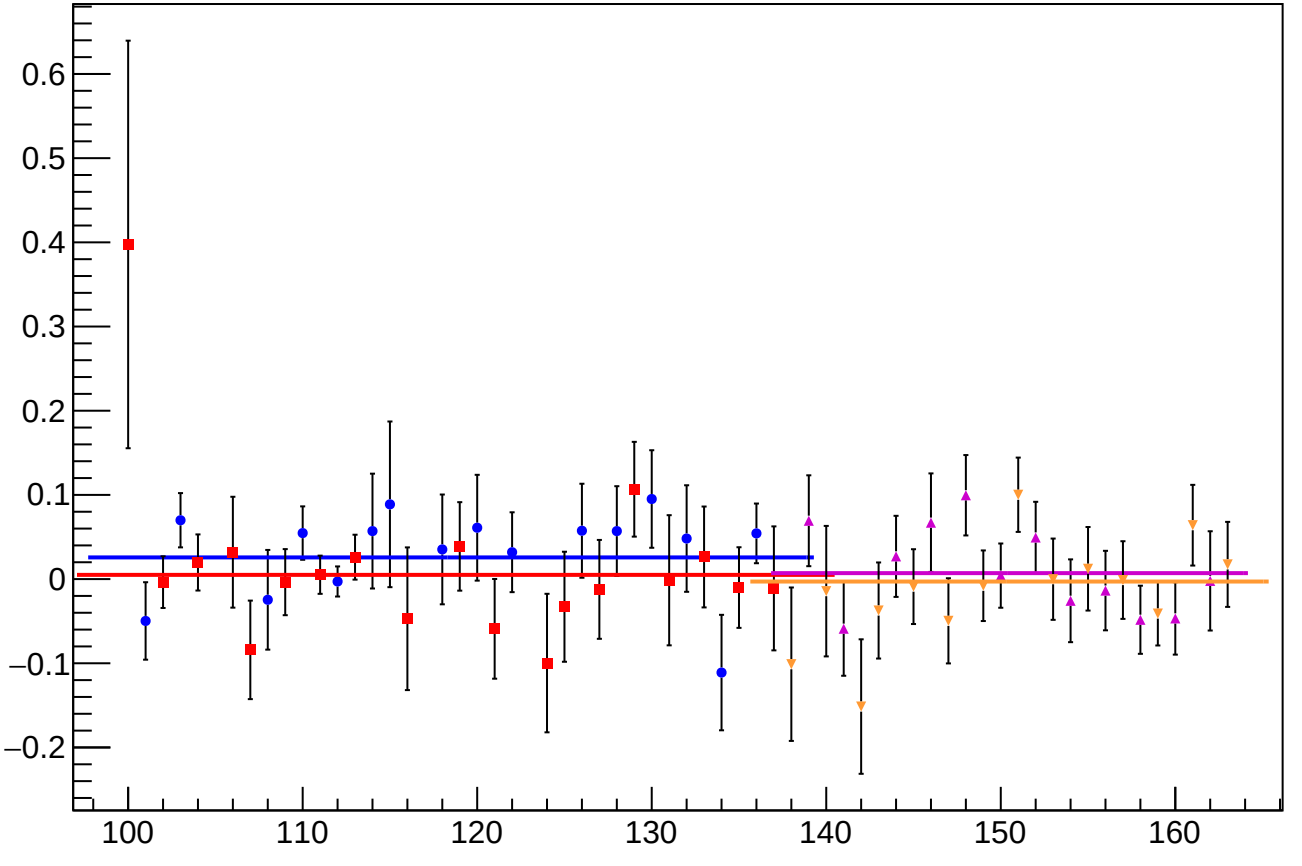
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:478229.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:502704.8/11
Left: 0.000+/-0.000 χ²/NDF: 994521.3/25
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2269024.7/27
Out: 0.000+/-0.000 χ²/NDF:2291194.8/32
All: 0.000+/-0.000 χ²/NDF: 4571253.8/60

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: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.014 χ^2/NDF:12.8/11

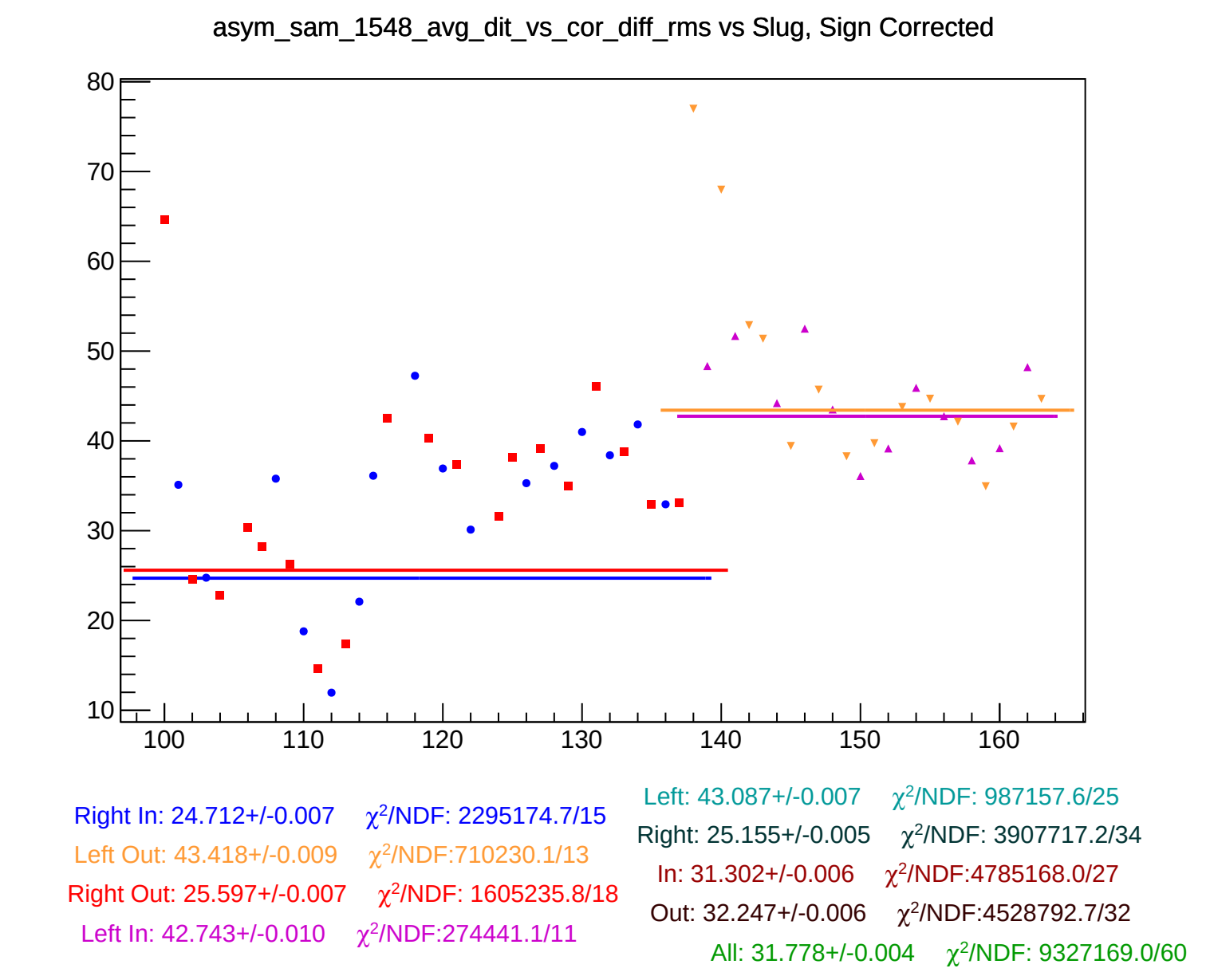
Left: 0.002+/-0.010 χ^2/NDF: 27.6/25

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.5/27

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 61.0/60


asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
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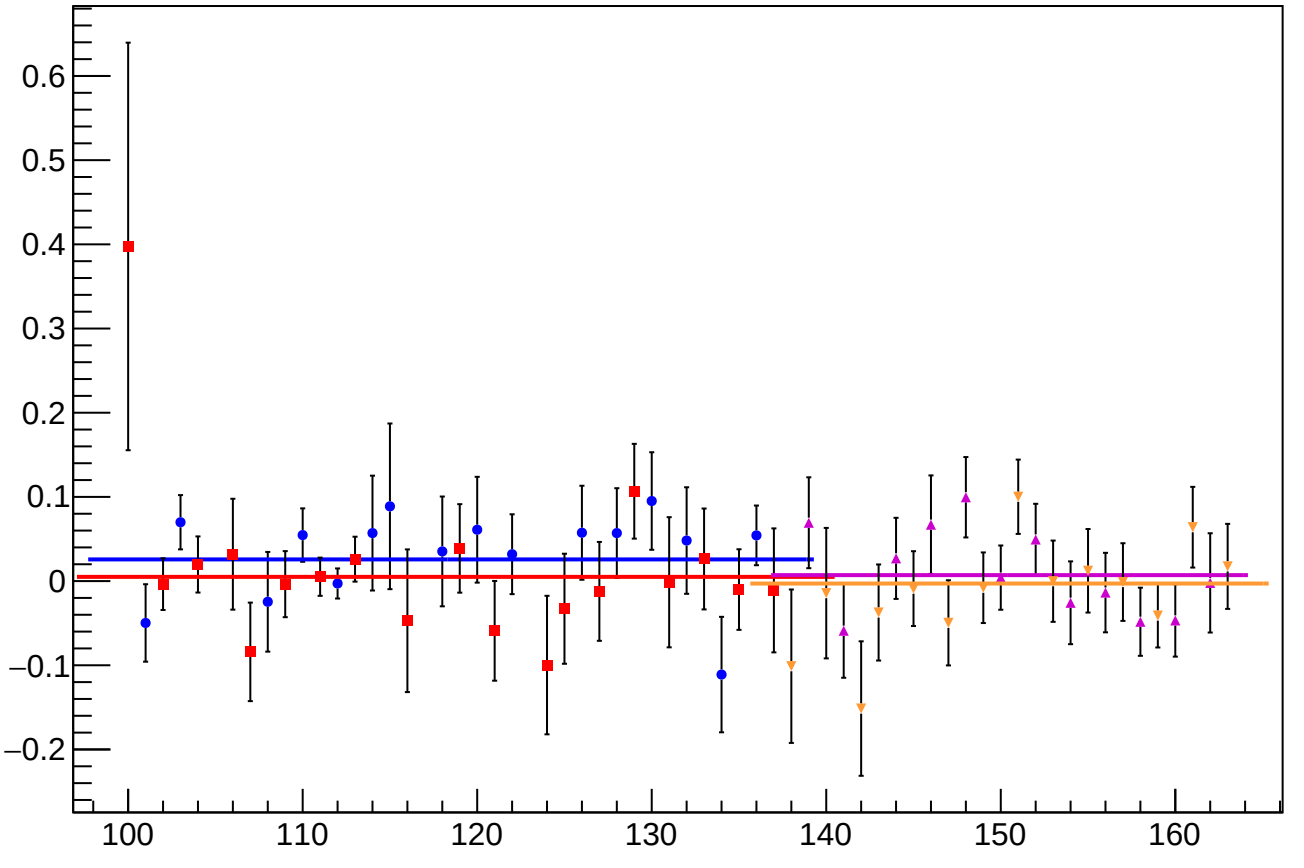
120
130
140
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.418+/-0.009 χ²/NDF:710230.1/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.743+/-0.010 χ²/NDF:274441.1/11
Left: 43.087+/-0.007 χ²/NDF: 987157.6/25
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.302+/-0.006 χ²/NDF:4785168.0/27
Out: 32.247+/-0.006 χ²/NDF:4528792.7/32
All: 31.778+/-0.004 χ²/NDF: 9327169.0/60



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.014 χ^2/NDF:12.8/11

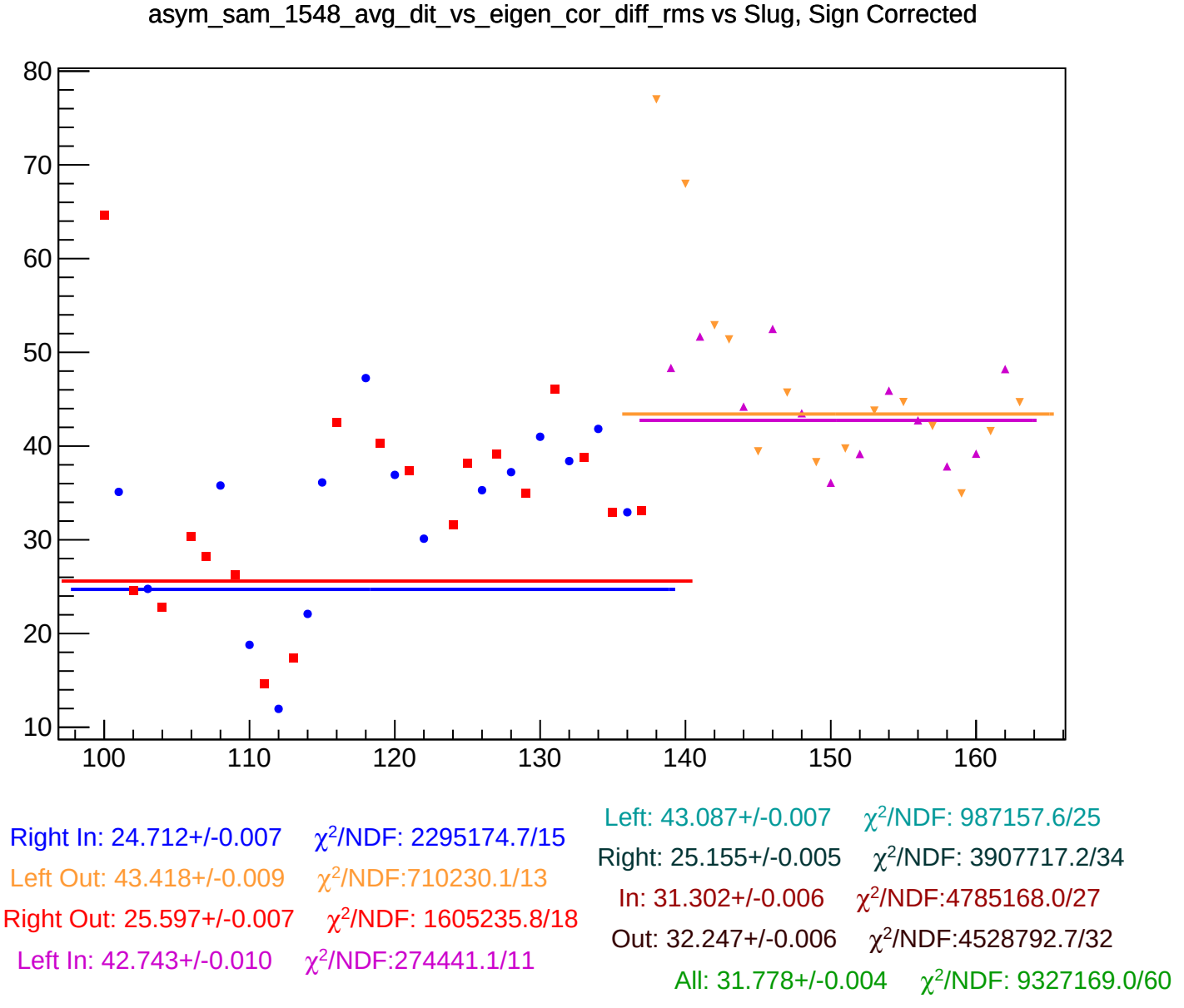
Left: 0.002+/-0.010 χ^2/NDF: 27.6/25

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.5/27

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 61.0/60


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
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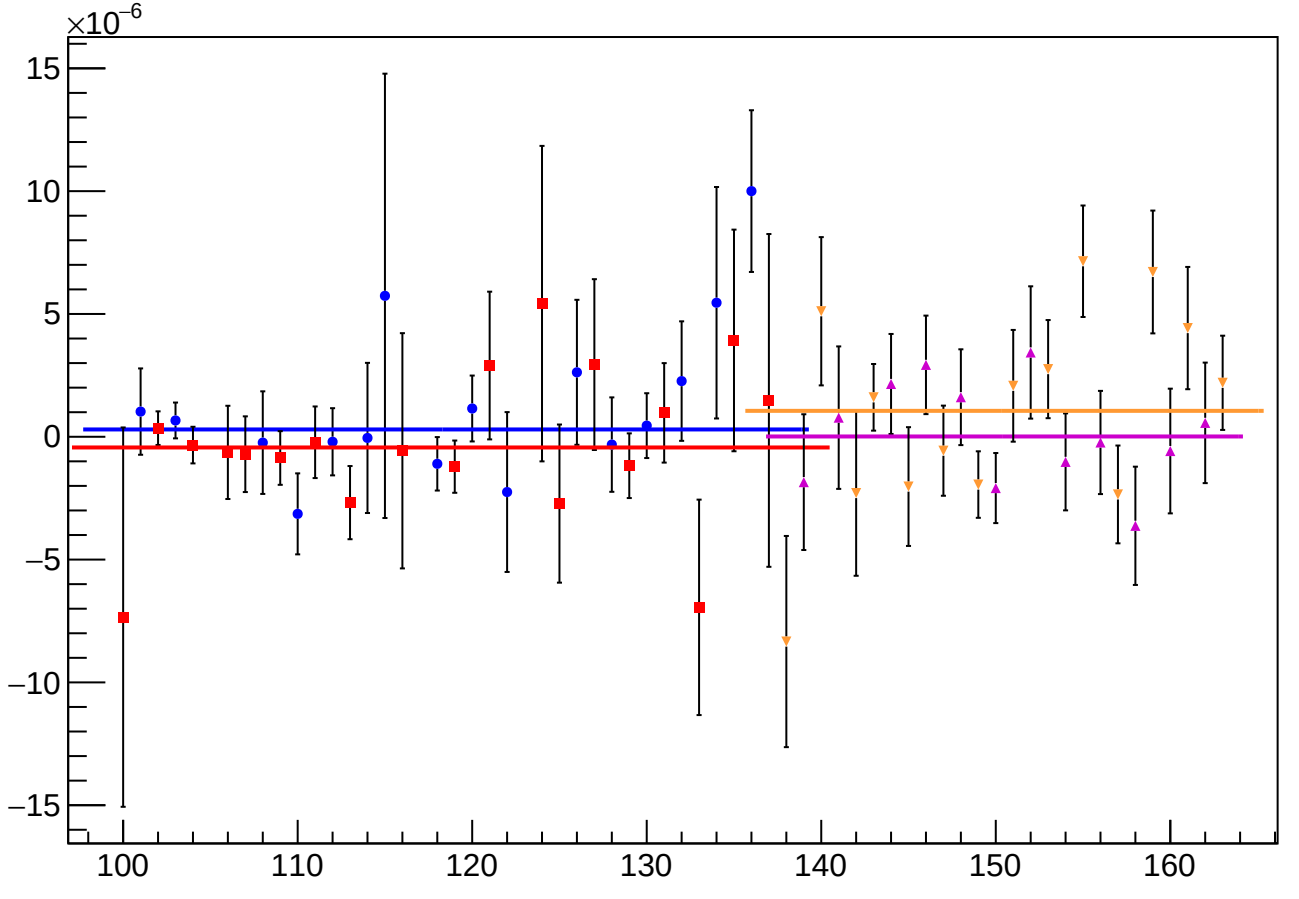
150
160
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.418+/-0.009 χ²/NDF:710230.1/13
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 42.743+/-0.010 χ²/NDF:274441.1/11
Left: 43.087+/-0.007 χ²/NDF: 987157.6/25
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 31.302+/-0.006 χ²/NDF:4785168.0/27
Out: 32.247+/-0.006 χ²/NDF:4528792.7/32
All: 31.778+/-0.004 χ²/NDF: 9327169.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.4/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/11

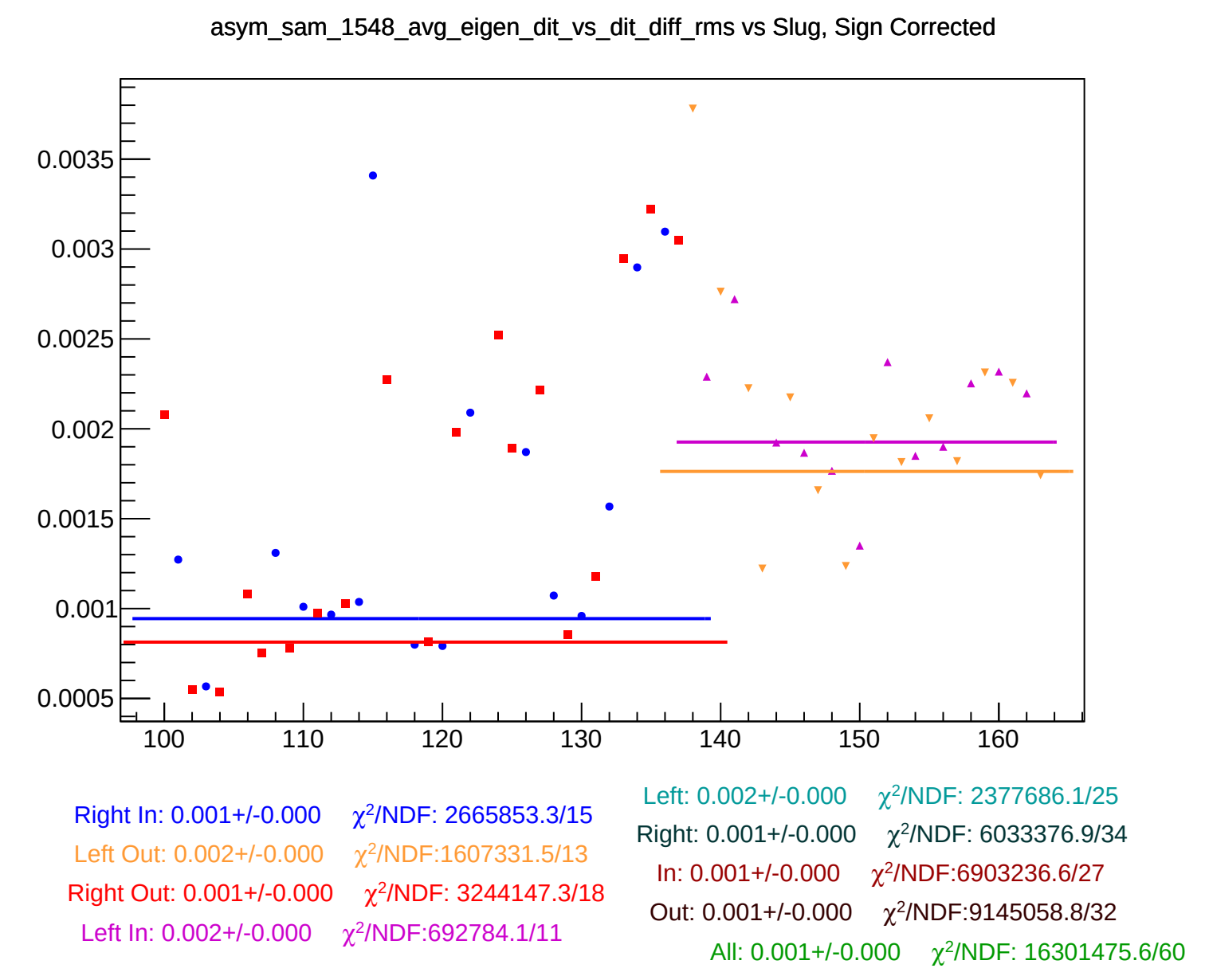
Left: 0.000+/-0.000 χ^2/NDF: 45.9/25

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

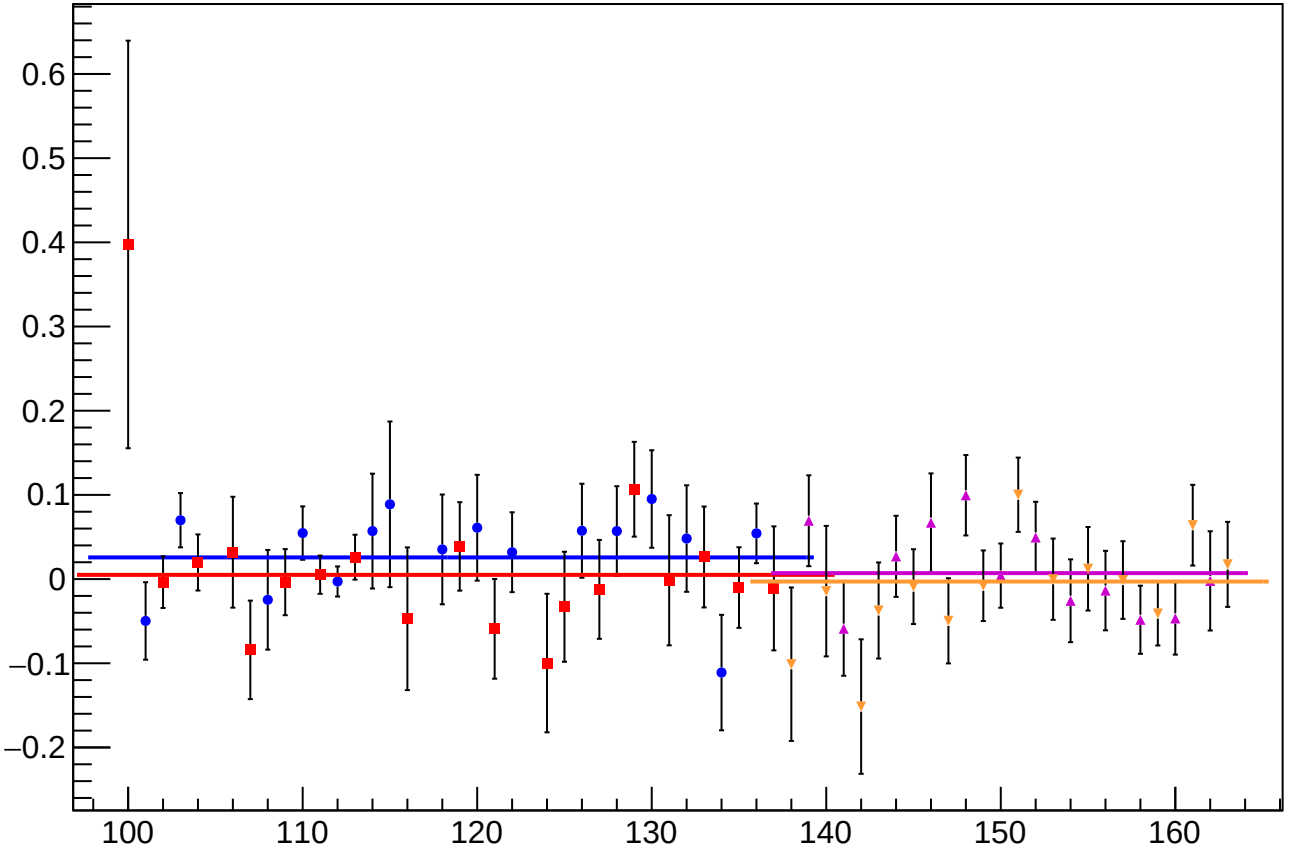
In: 0.000+/-0.000 χ^2/NDF:30.3/27

Out: -0.000+/-0.000 χ^2/NDF:51.4/32

All: 0.000+/-0.000 χ^2/NDF: 82.0/60


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1607331.5/13
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:692784.1/11
Left: 0.002+/-0.000 χ²/NDF: 2377686.1/25
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:6903236.6/27
Out: 0.001+/-0.000 χ²/NDF:9145058.8/32
All: 0.001+/-0.000 χ²/NDF: 16301475.6/60

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.014 χ^2/NDF:12.8/11

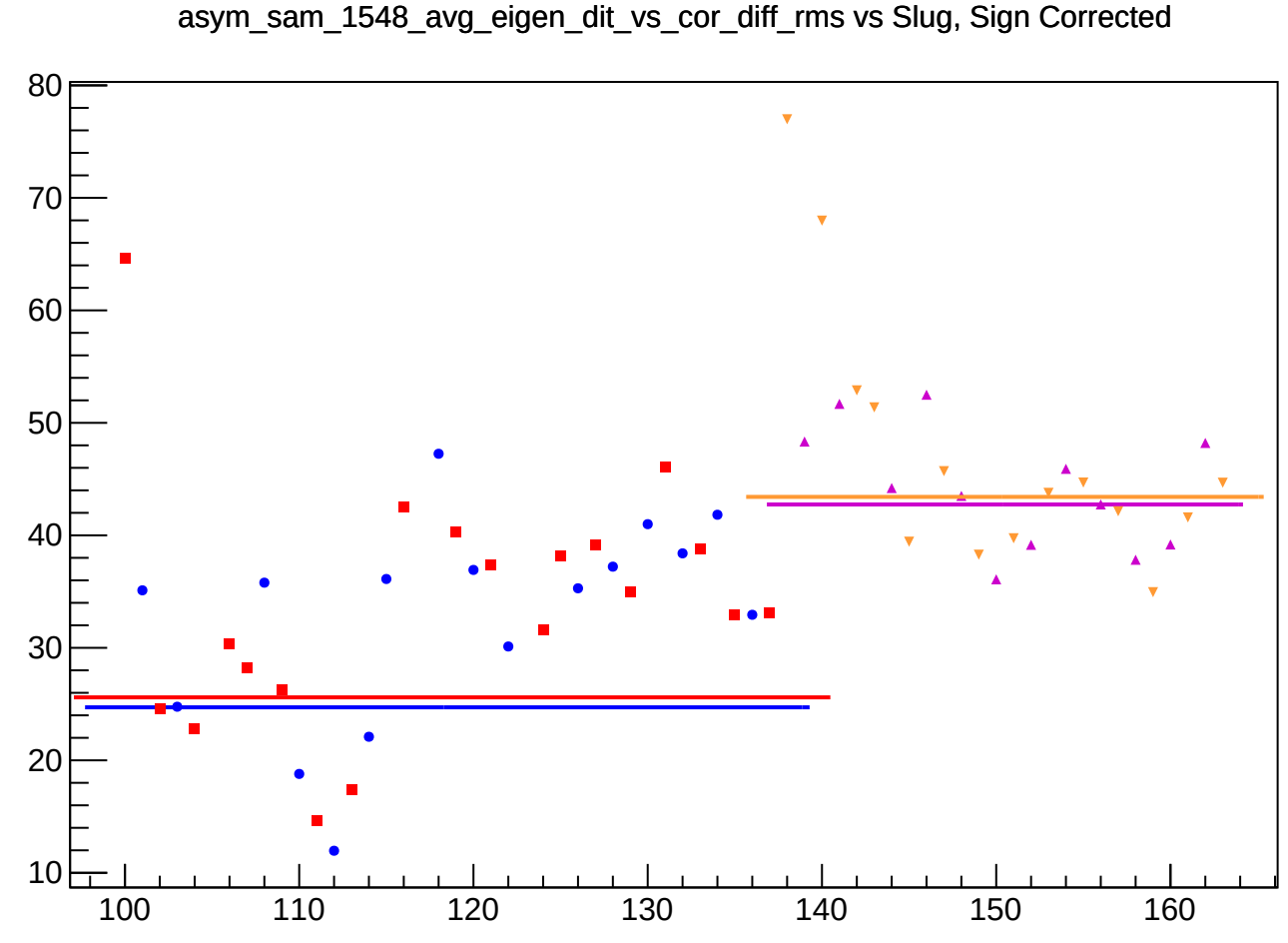
Left: 0.002+/-0.010 χ^2/NDF: 27.6/25

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.5/27

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 61.0/60



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.419+/-0.009 χ^2/NDF:710226.9/13

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.744+/-0.010 χ^2/NDF:274448.0/11

Left: 43.087+/-0.007 χ^2/NDF: 987161.1/25

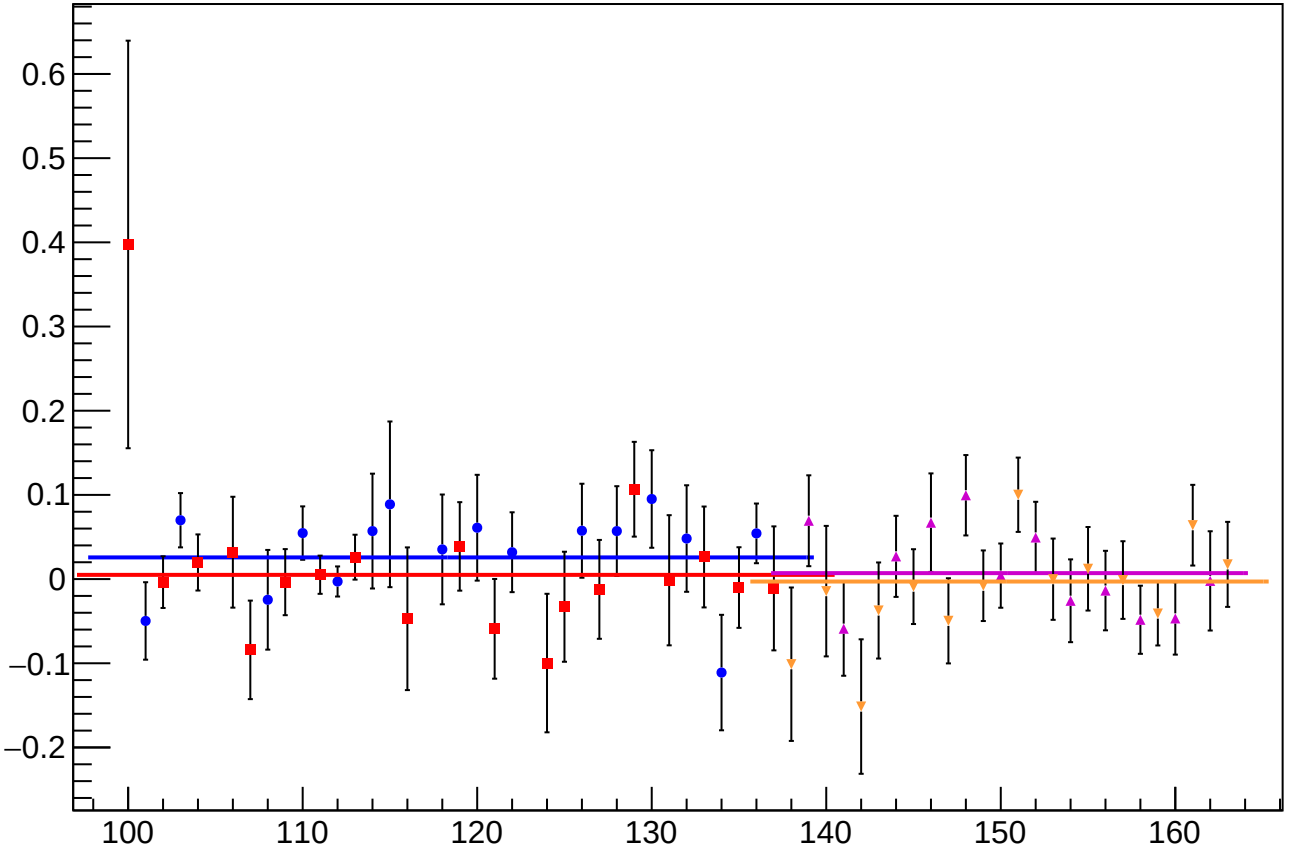
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 31.302+/-0.006 χ^2/NDF:4785592.7/27

Out: 32.247+/-0.006 χ^2/NDF:4529137.4/32

All: 31.778+/-0.004 χ^2/NDF: 9327942.3/60

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.003+/-0.013 χ^2/NDF:14.6/13

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.007+/-0.014 χ^2/NDF:12.8/11

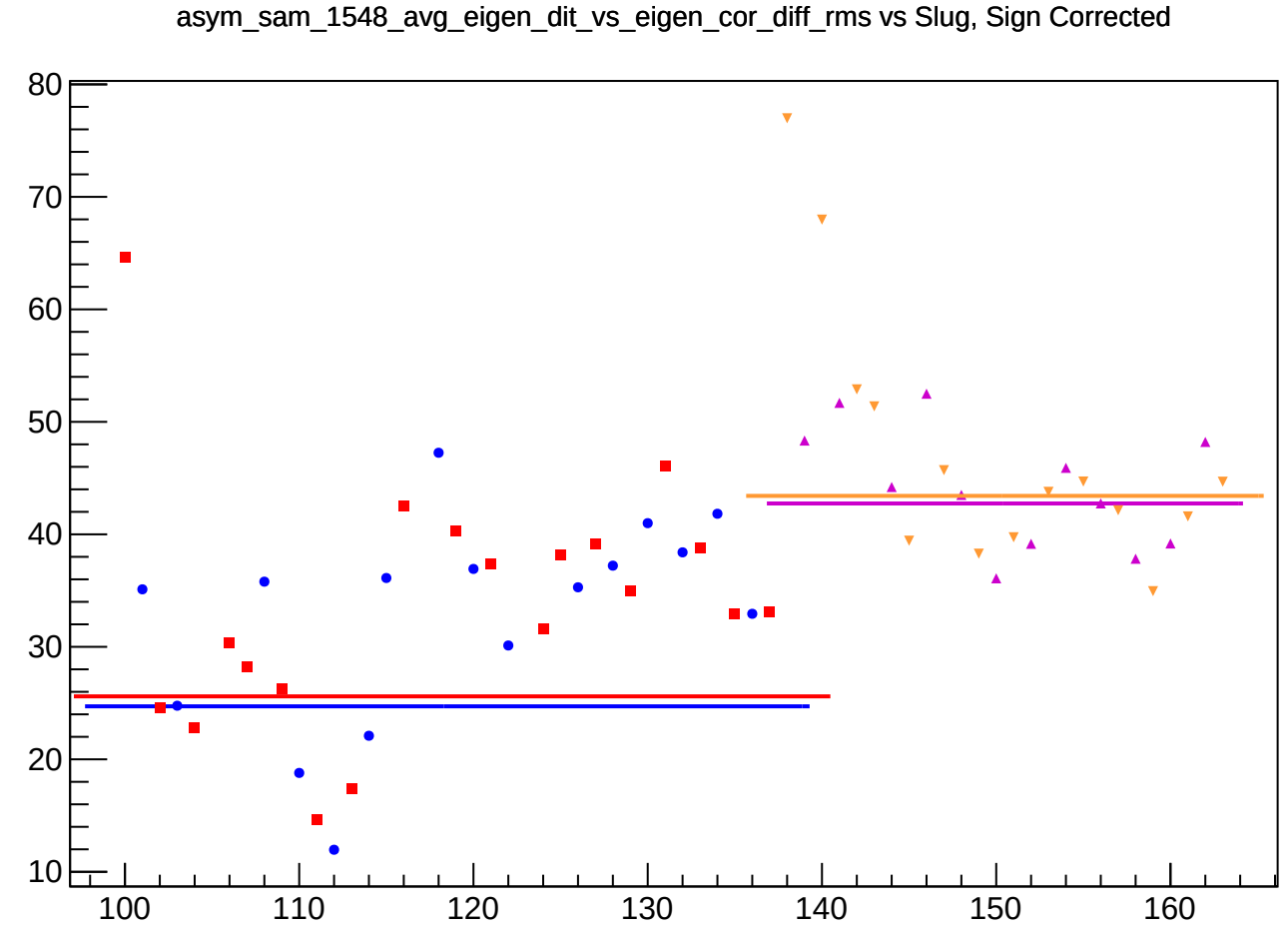
Left: 0.002+/-0.010 χ^2/NDF: 27.6/25

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.019+/-0.008 χ^2/NDF:30.5/27

Out: 0.002+/-0.008 χ^2/NDF:28.4/32

All: 0.010+/-0.006 χ^2/NDF: 61.0/60



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.419+/-0.009 χ^2/NDF:710226.9/13

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 42.744+/-0.010 χ^2/NDF:274448.0/11

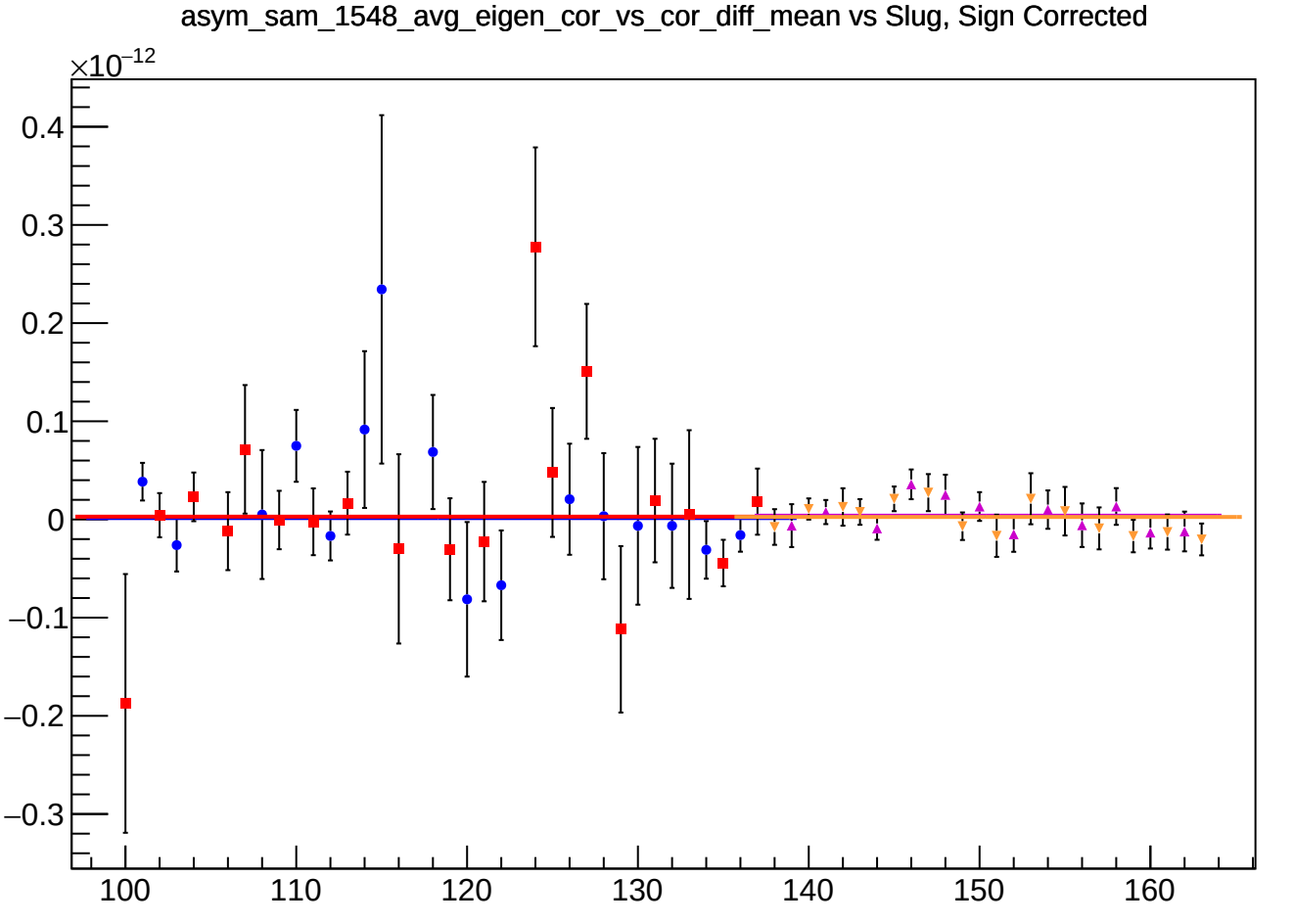
Left: 43.087+/-0.007 χ^2/NDF: 987161.1/25

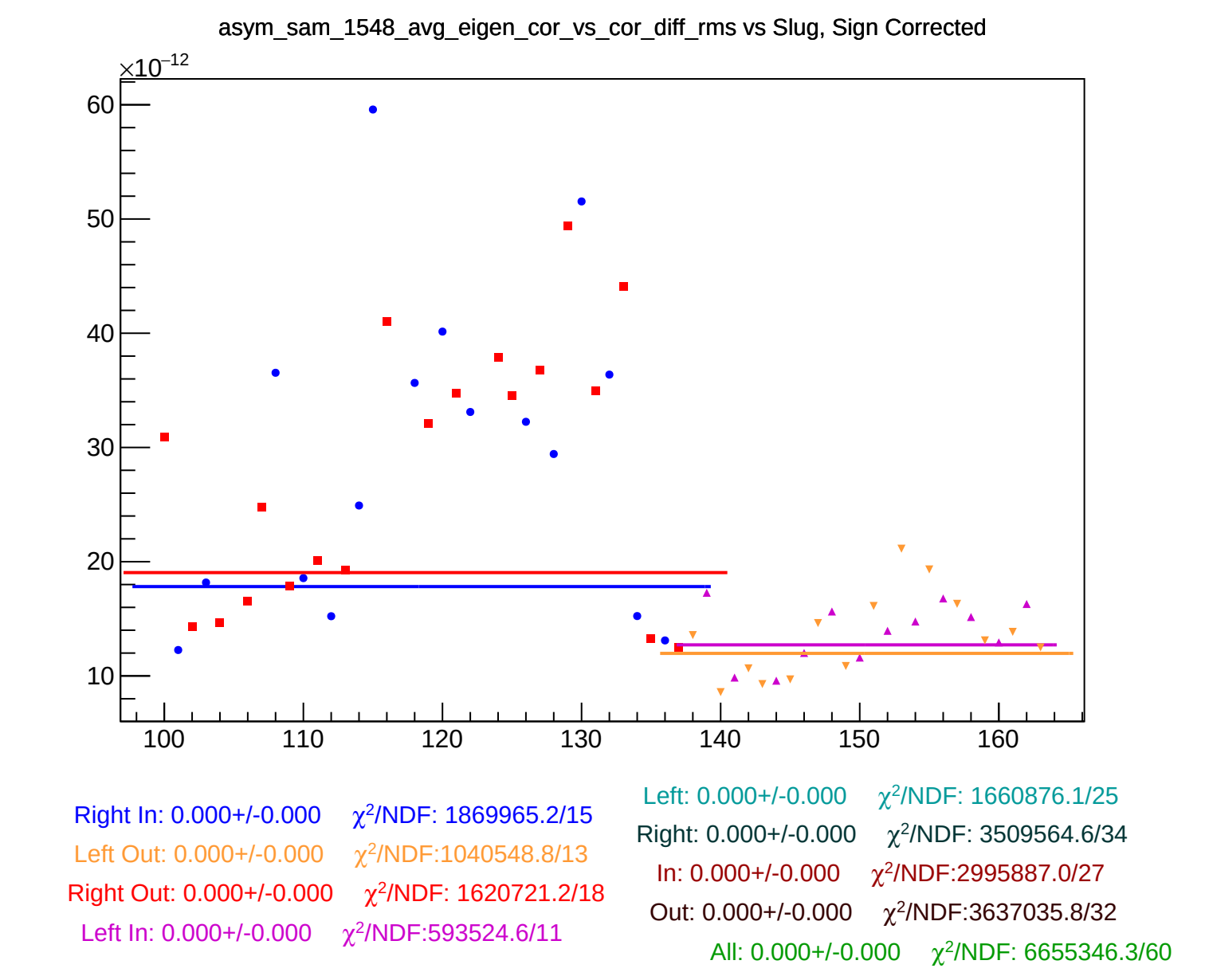
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

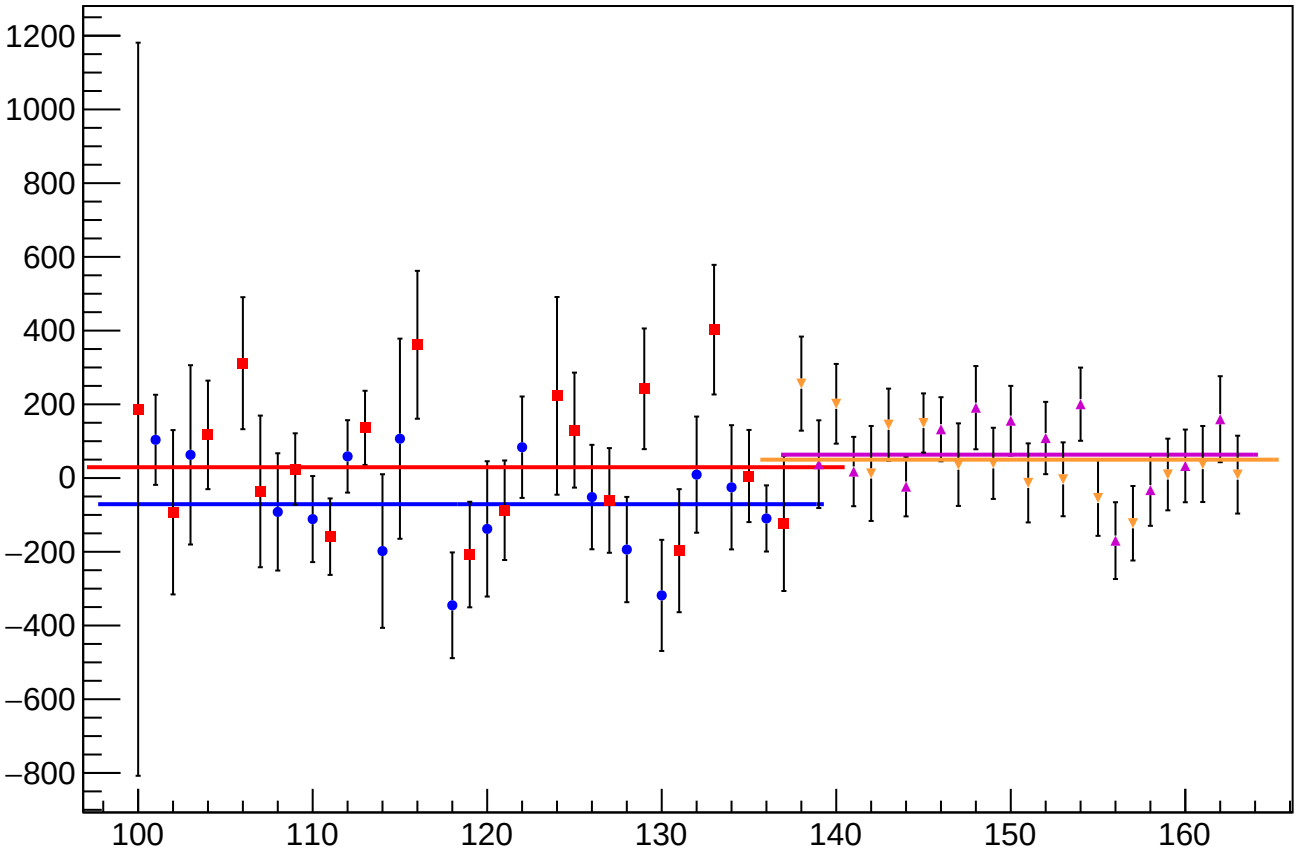
In: 31.302+/-0.006 χ^2/NDF:4785592.7/27

Out: 32.247+/-0.006 χ^2/NDF:4529137.4/32

All: 31.778+/-0.004 χ^2/NDF: 9327942.3/60


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:10.9/11
Left: 0.000+/-0.000 χ²/NDF: 22.3/25
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:29.7/27
Out: 0.000+/-0.000 χ²/NDF:34.9/32
All: 0.000+/-0.000 χ²/NDF: 64.6/60


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1040548.8/13
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:593524.6/11
Left: 0.000+/-0.000 χ²/NDF: 1660876.1/25
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:2995887.0/27
Out: 0.000+/-0.000 χ²/NDF:3637035.8/32
All: 0.000+/-0.000 χ²/NDF: 6655346.3/60



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.882+/-27.499 χ^2/NDF:12.1/13

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 63.479+/-28.396 χ^2/NDF:13.2/11

Left: 56.462+/-19.754 χ^2/NDF: 25.4/25

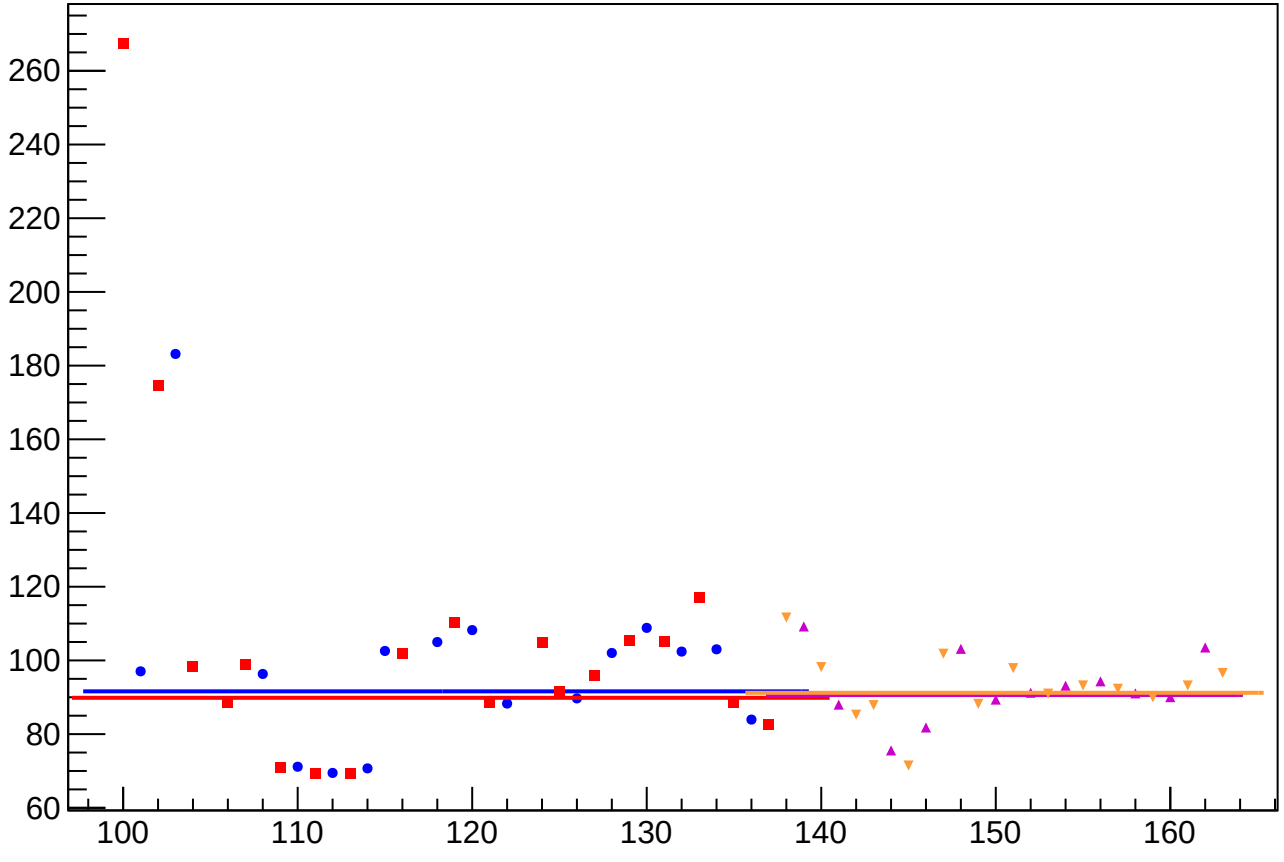
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 10.365+/-22.082 χ^2/NDF:36.1/27

Out: 41.856+/-21.441 χ^2/NDF:36.3/32

All: 26.574+/-15.383 χ^2/NDF: 73.4/60

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 90.608+/-0.020 χ^2/NDF:193703.3/11

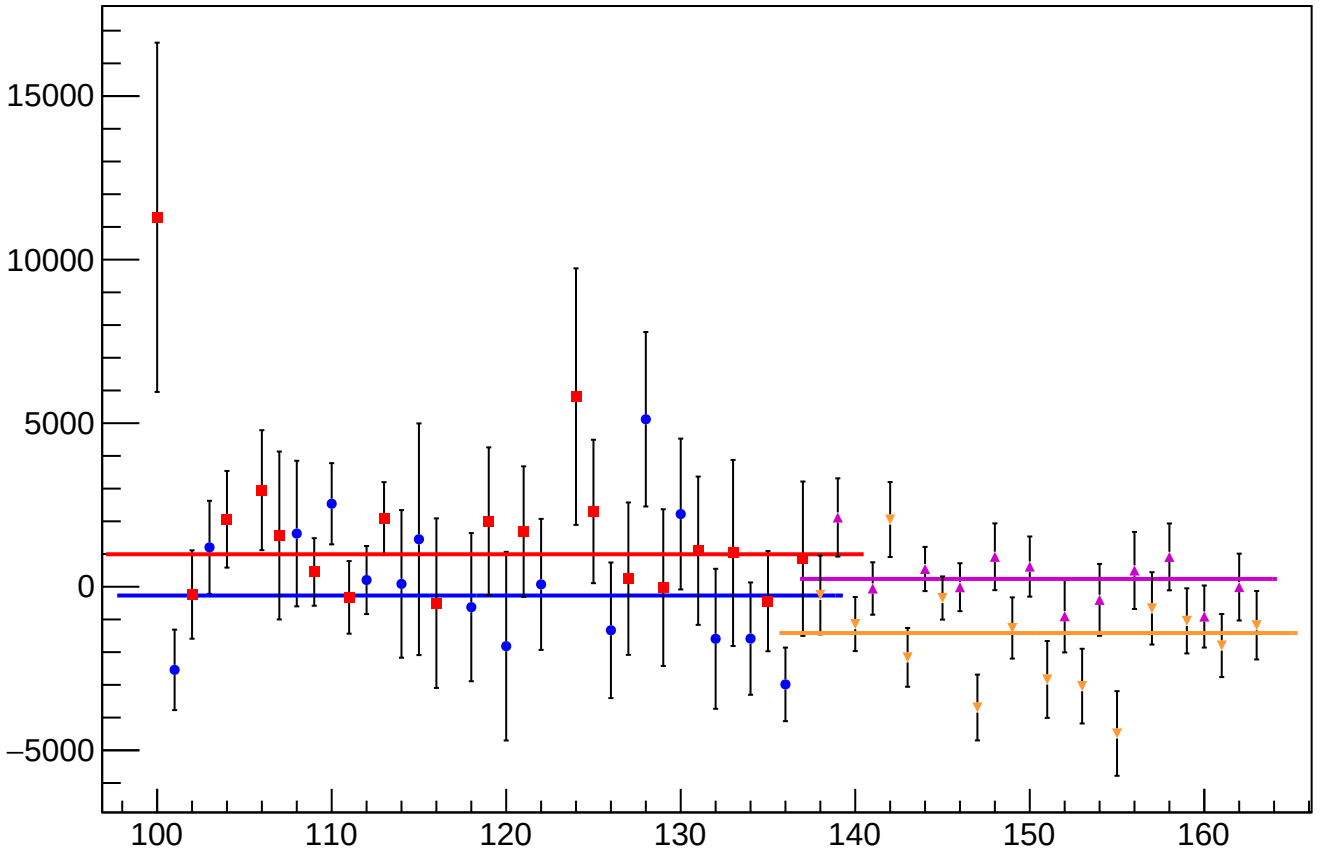
Left: 90.923+/-0.014 χ^2/NDF: 415844.2/25

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 91.004+/-0.016 χ^2/NDF:775355.8/27

Out: 90.684+/-0.015 χ^2/NDF:969882.8/32

All: 90.839+/-0.011 χ^2/NDF: 1745454.6/60



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1415.390+/-262.804 χ^2/NDF:28.6/13

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 238.913+/-268.742 χ^2/NDF:6.9/11

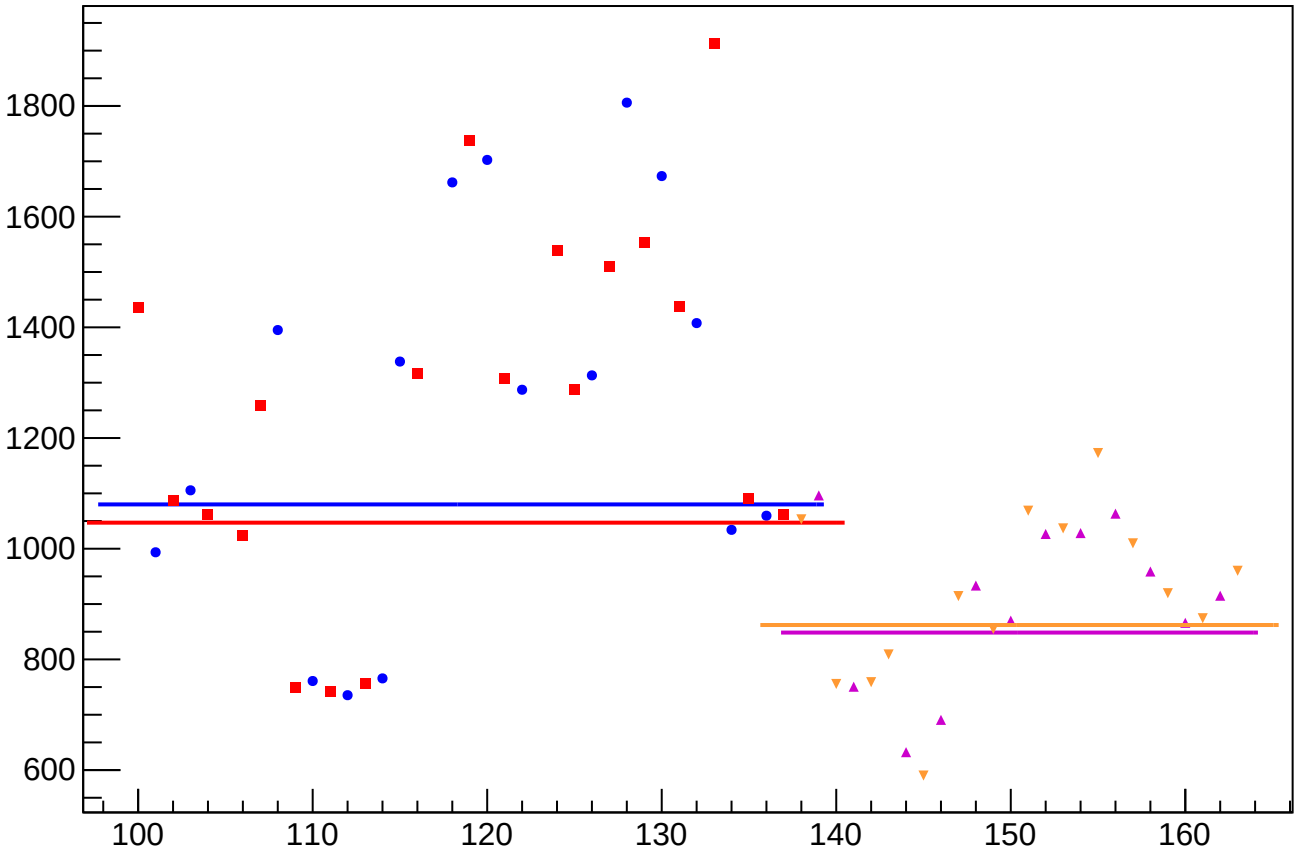
Left: -606.716+/-187.895 χ^2/NDF: 54.9/25

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 91.309+/-226.302 χ^2/NDF:31.4/27

Out: -691.419+/-219.776 χ^2/NDF:66.5/32

All: -311.503+/-157.662 χ^2/NDF: 104.1/60



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 862.138+/-0.186 χ^2/NDF:735912.8/13

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 848.474+/-0.190 χ^2/NDF:632504.1/11

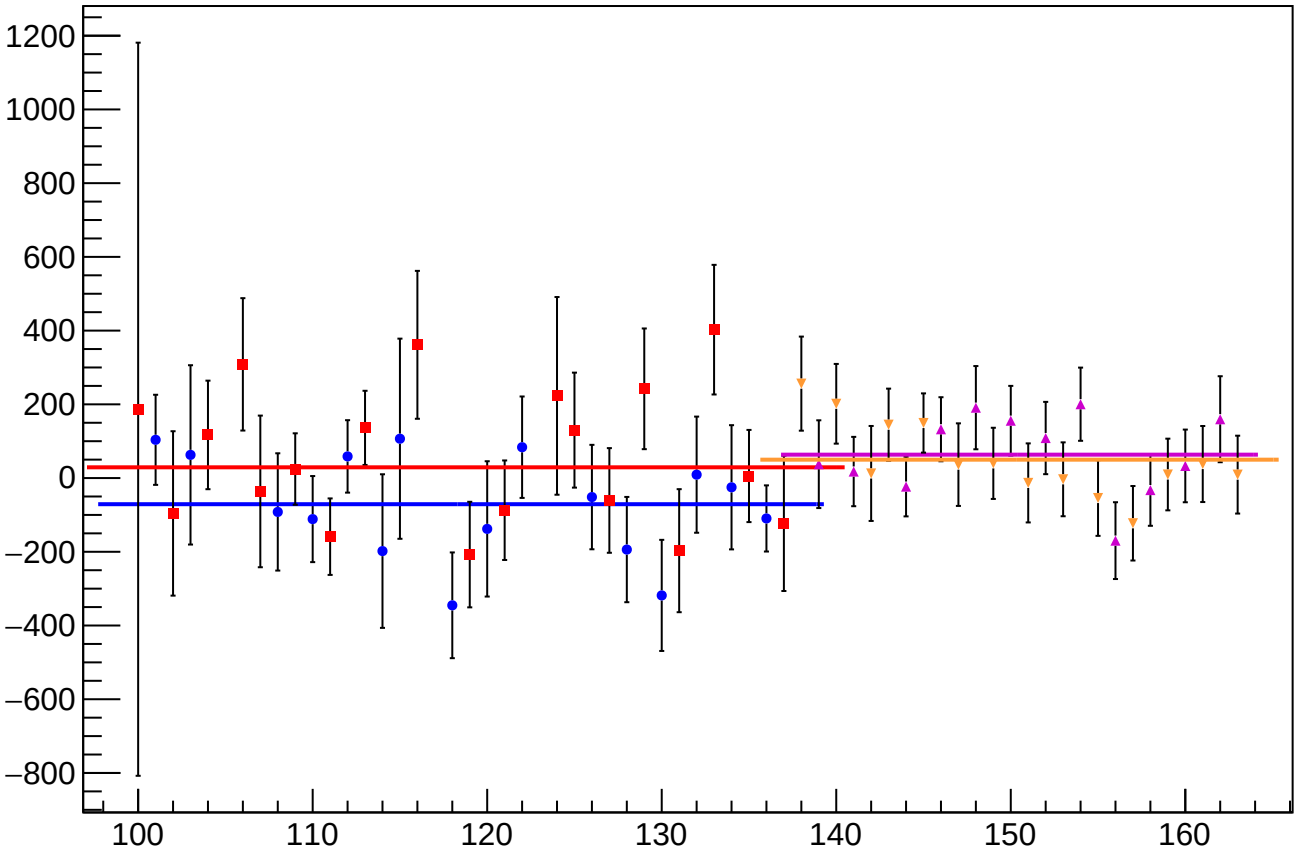
Left: 855.459+/-0.133 χ^2/NDF: 1371060.1/25

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 915.839+/-0.160 χ^2/NDF:2117968.5/27

Out: 917.736+/-0.155 χ^2/NDF:2232294.6/32

All: 916.815+/-0.111 χ^2/NDF: 4350335.4/60



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 49.887+/-27.499 χ^2/NDF:12.1/13

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 63.481+/-28.396 χ^2/NDF:13.2/11

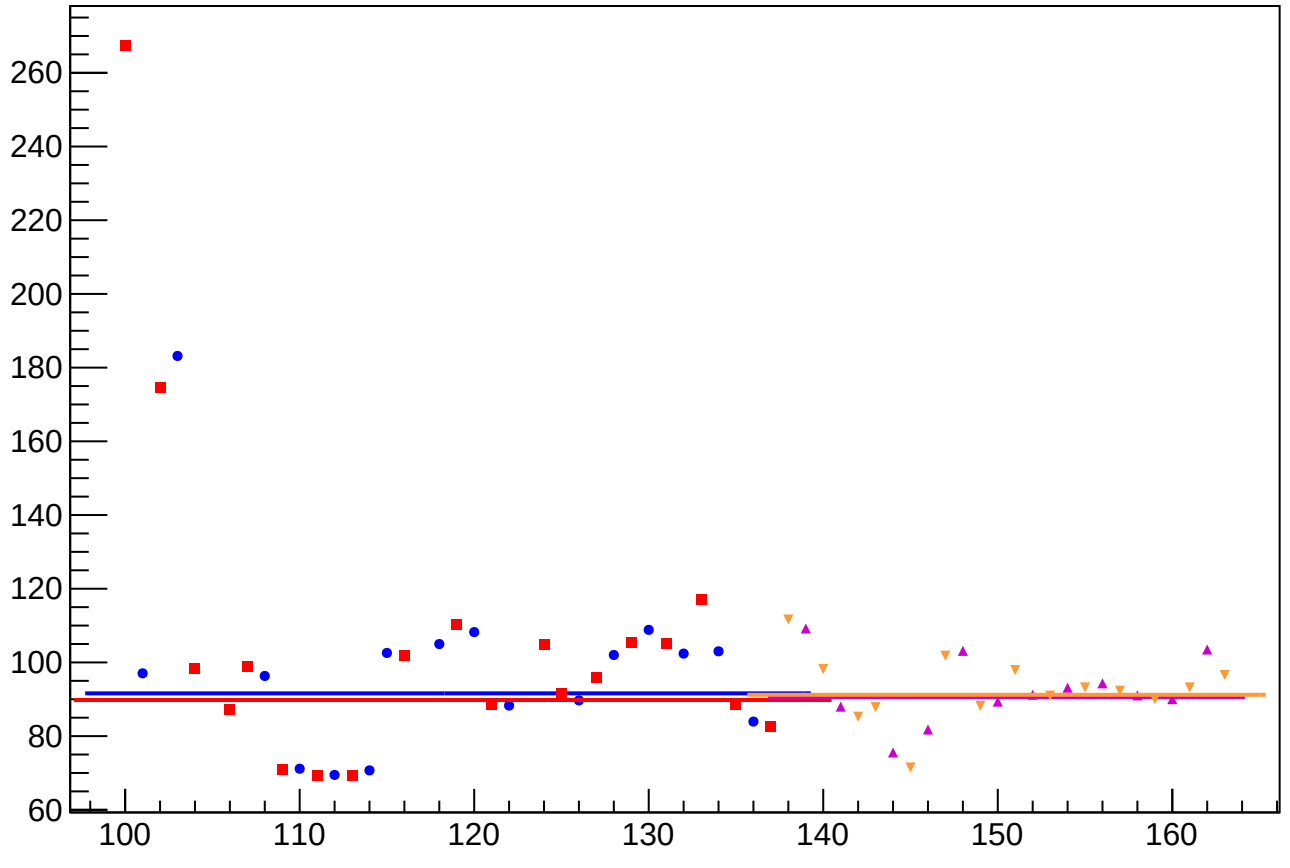
Left: 56.465+/-19.754 χ^2/NDF: 25.4/25

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 10.361+/-22.082 χ^2/NDF:36.1/27

Out: 41.762+/-21.442 χ^2/NDF:36.2/32

All: 26.523+/-15.383 χ^2/NDF: 73.4/60



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.608+/-0.020 χ^2/NDF:193703.3/11

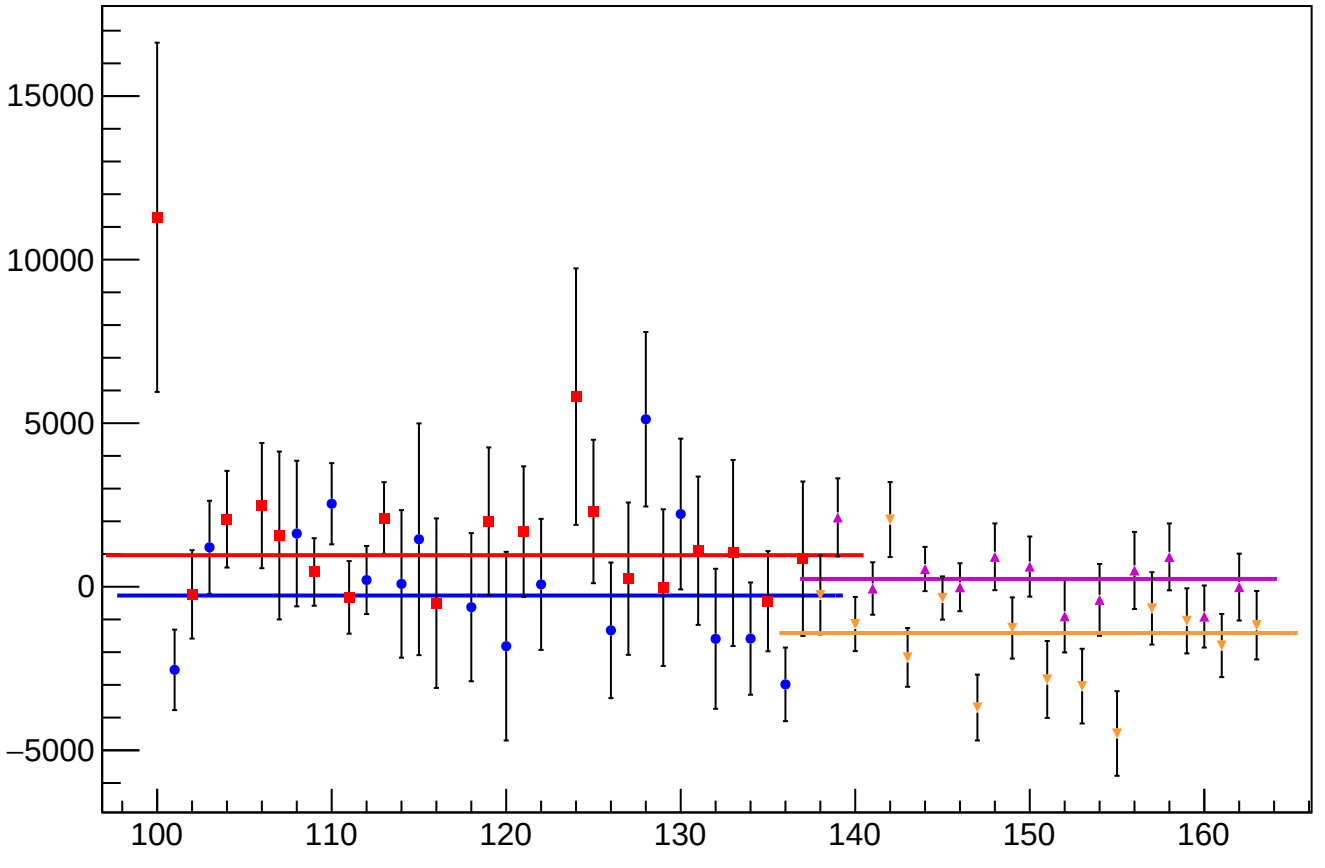
Left: 90.923+/-0.014 χ^2/NDF: 415844.2/25

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.004+/-0.016 χ^2/NDF:775358.9/27

Out: 90.665+/-0.015 χ^2/NDF:970563.4/32

All: 90.829+/-0.011 χ^2/NDF: 1746164.0/60



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1415.385+/-262.804 χ^2/NDF:28.6/13

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 238.917+/-268.742 χ^2/NDF:6.9/11

Left: -606.712+/-187.895 χ^2/NDF: 54.9/25

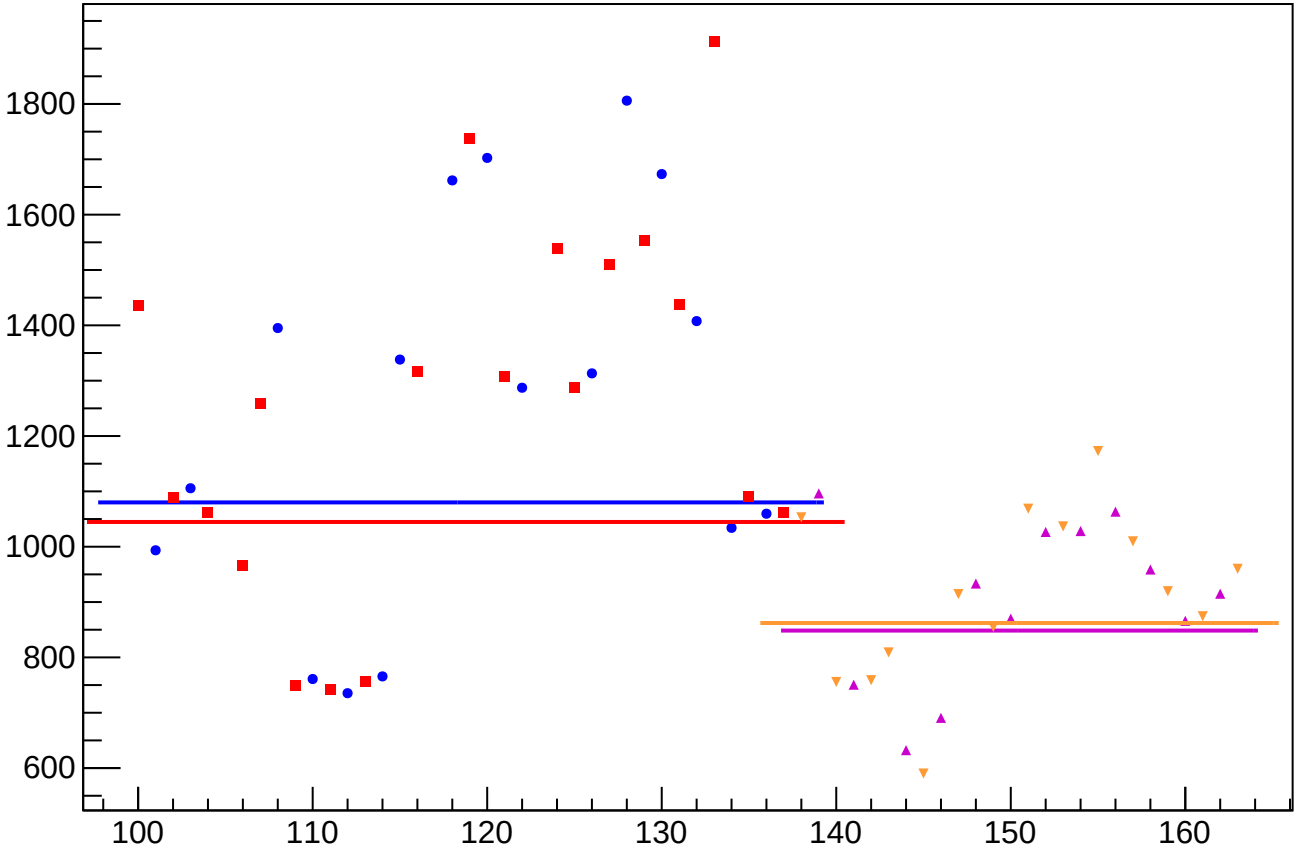
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 91.307+/-226.302 χ^2/NDF:31.4/27

Out: -701.755+/-219.909 χ^2/NDF:65.3/32

All: -316.584+/-157.711 χ^2/NDF: 103.1/60

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 848.474+/-0.190 χ^2/NDF:632502.5/11

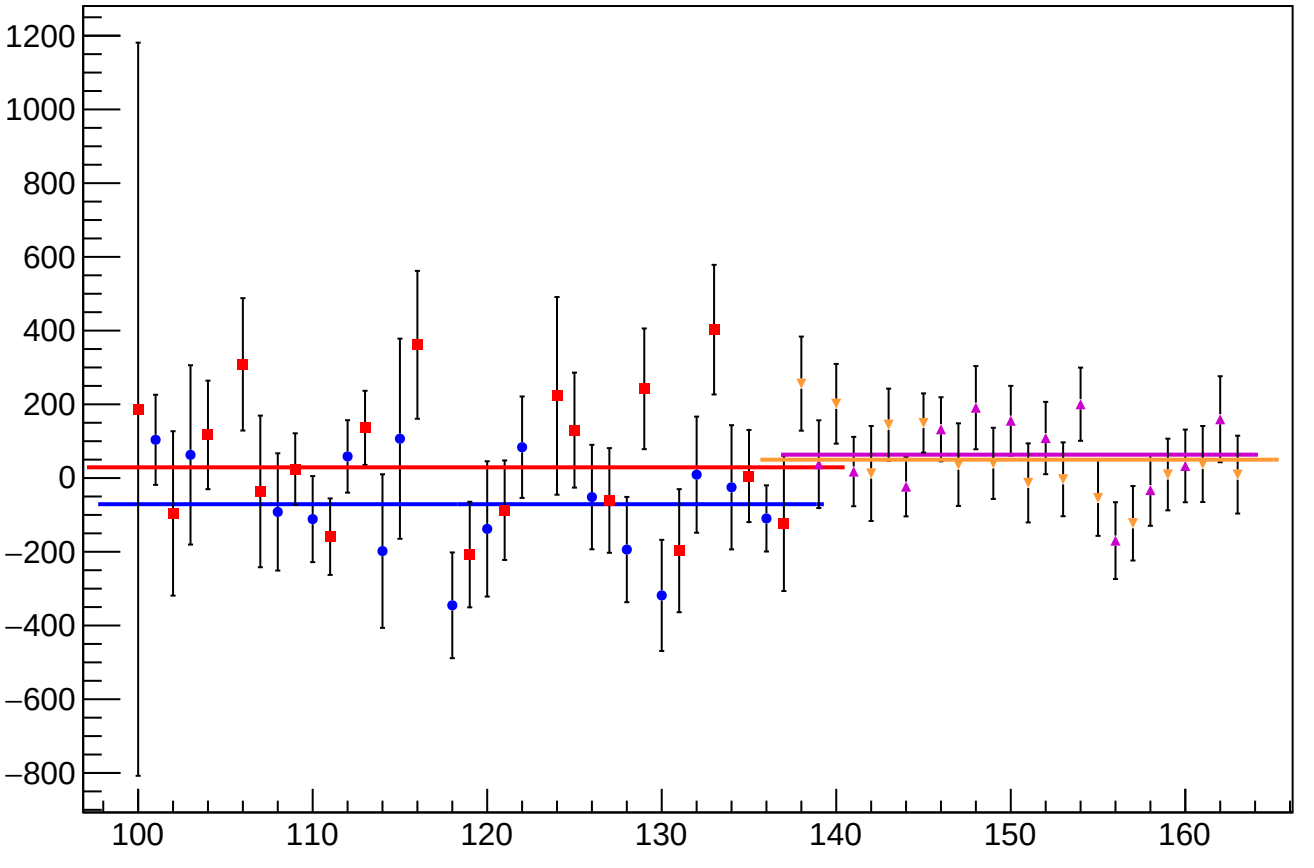
Left: 855.459+/-0.133 χ^2/NDF: 1371060.6/25

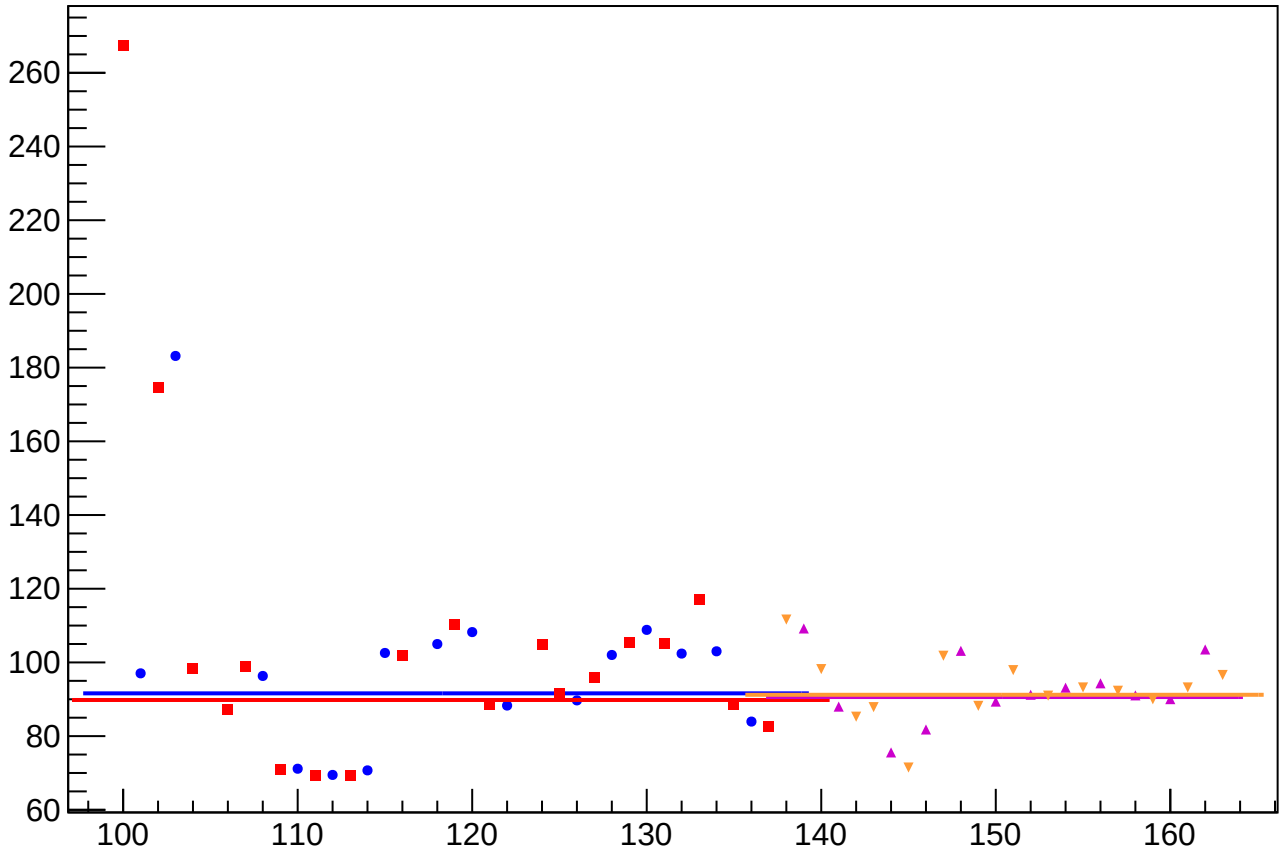
Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 915.841+/-0.160 χ^2/NDF:2118000.1/27

Out: 916.875+/-0.155 χ^2/NDF:2227137.8/32

All: 916.373+/-0.112 χ^2/NDF: 4345159.4/60


eigen_cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 49.887+/-27.499 χ²/NDF:12.1/13
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 63.481+/-28.396 χ²/NDF:13.2/11
Left: 56.465+/-19.754 χ²/NDF: 25.4/25
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 10.361+/-22.082 χ²/NDF:36.1/27
Out: 41.762+/-21.442 χ²/NDF:36.2/32
All: 26.523+/-15.383 χ²/NDF: 73.4/60



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 91.218+/-0.019 χ^2/NDF:221664.4/13

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 90.608+/-0.020 χ^2/NDF:193703.3/11

Left: 90.923+/-0.014 χ^2/NDF: 415844.2/25

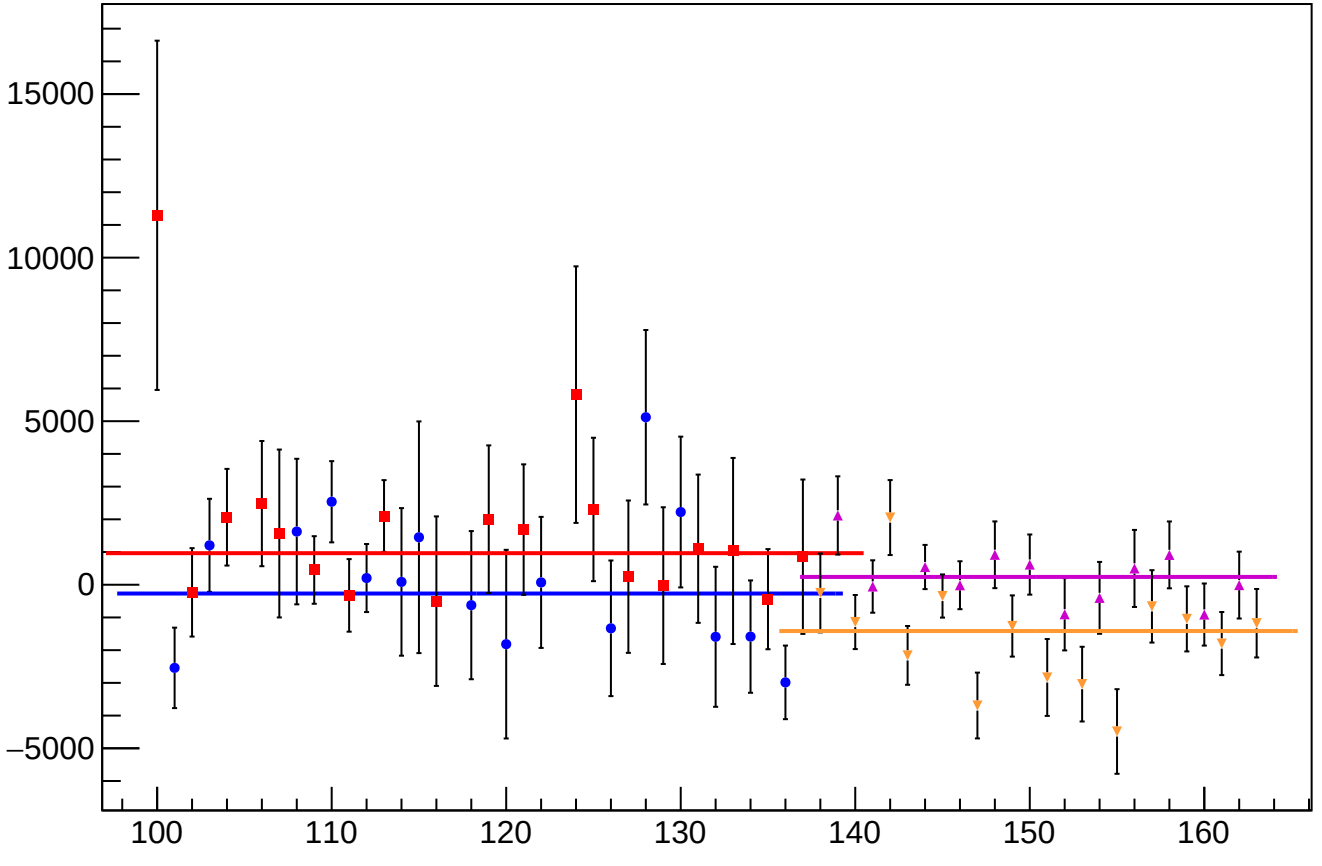
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 91.004+/-0.016 χ^2/NDF:775358.9/27

Out: 90.665+/-0.015 χ^2/NDF:970563.4/32

All: 90.829+/-0.011 χ^2/NDF: 1746164.0/60

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1415.385+/-262.804 χ^2/NDF:28.6/13

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 238.917+/-268.742 χ^2/NDF:6.9/11

Left: -606.712+/-187.895 χ^2/NDF: 54.9/25

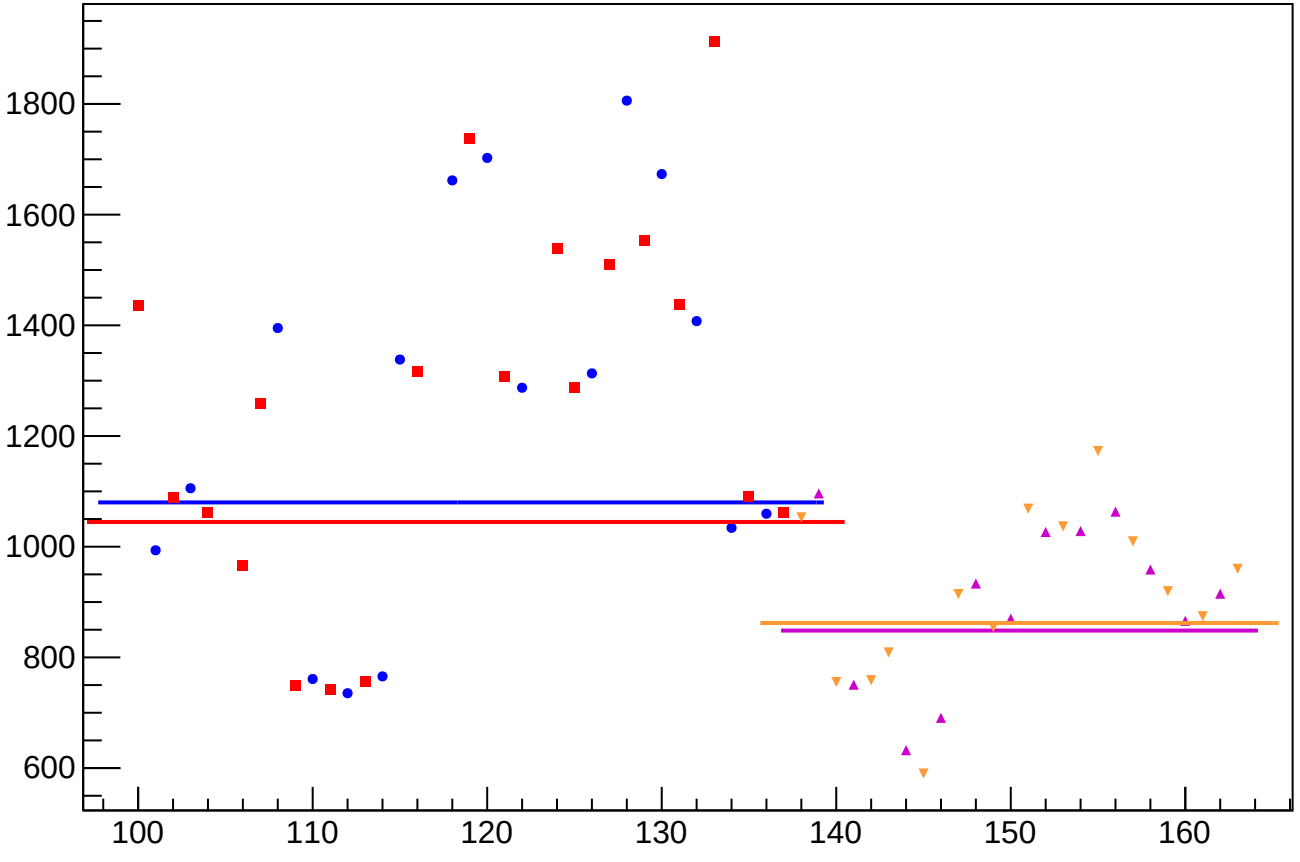
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 91.307+/-226.302 χ^2/NDF:31.4/27

Out: -701.755+/-219.909 χ^2/NDF:65.3/32

All: -316.584+/-157.711 χ^2/NDF: 103.1/60

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: 862.138+/-0.186 χ^2/NDF:735915.0/13

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 848.474+/-0.190 χ^2/NDF:632502.5/11

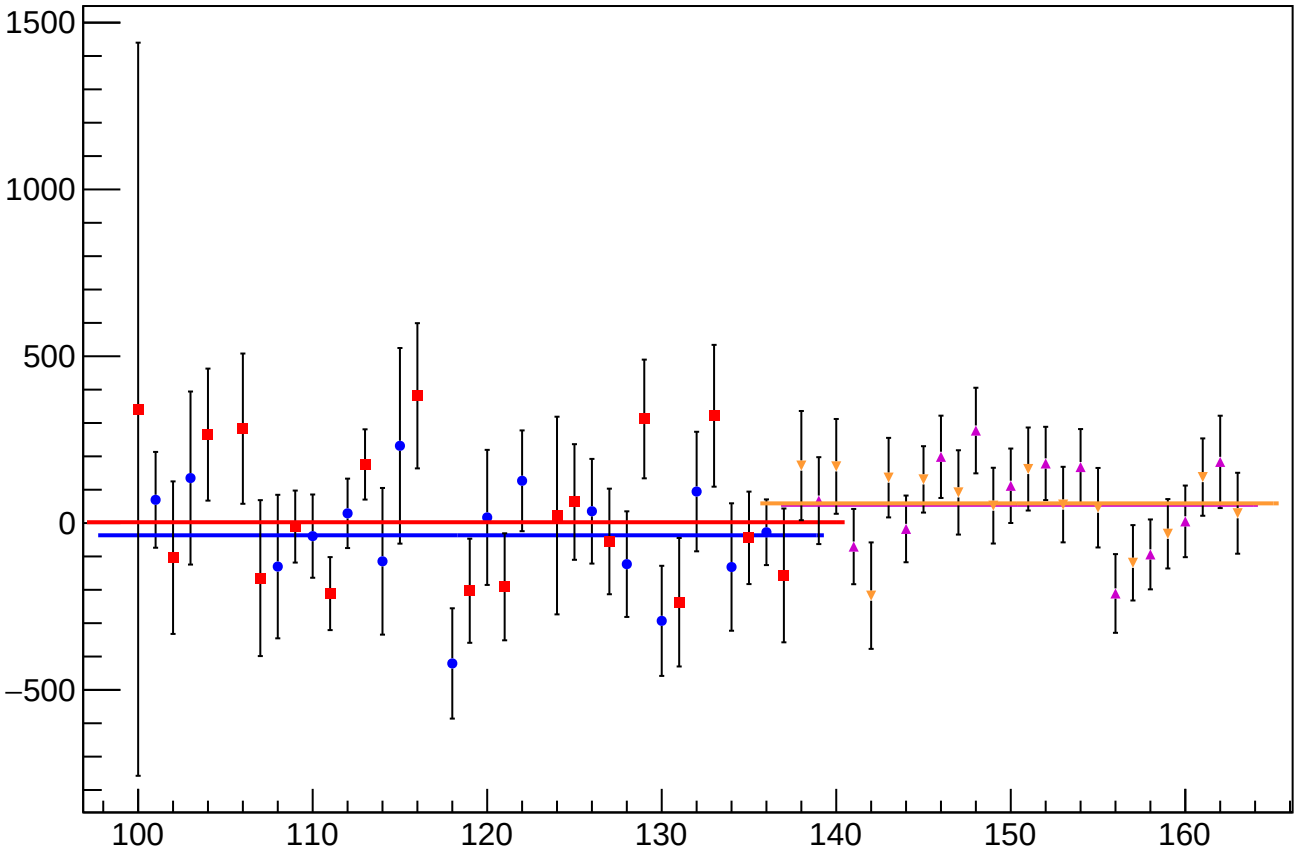
Left: 855.459+/-0.133 χ^2/NDF: 1371060.6/25

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 915.841+/-0.160 χ^2/NDF:2118000.1/27

Out: 916.875+/-0.155 χ^2/NDF:2227137.8/32

All: 916.373+/-0.112 χ^2/NDF: 4345159.4/60



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.086+/-32.208 χ^2/NDF:9.6/13

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 54.799+/-33.212 χ^2/NDF:16.8/11

Left: 57.008+/-23.122 χ^2/NDF: 26.4/25

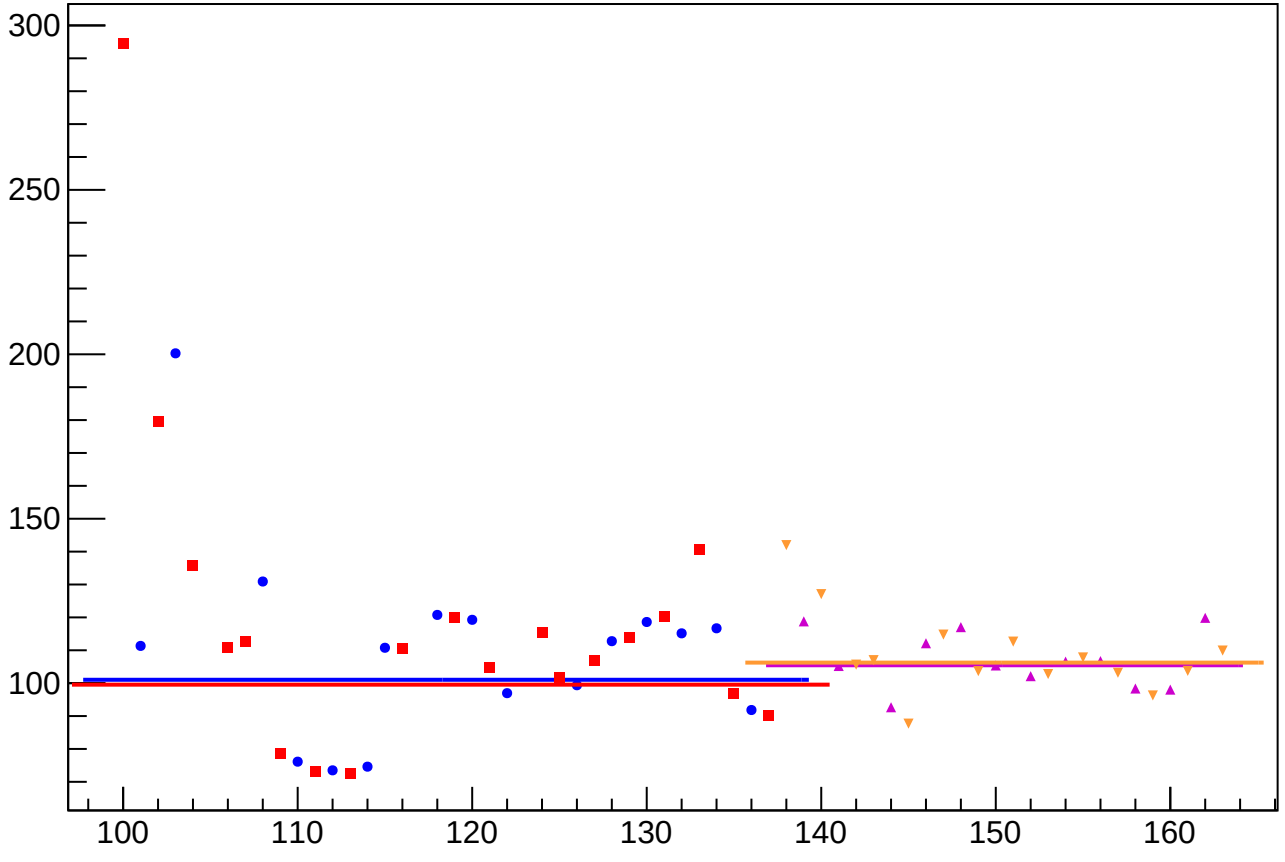
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 16.372+/-25.283 χ^2/NDF:32.9/27

Out: 35.577+/-24.614 χ^2/NDF:35.6/32

All: 26.232+/-17.637 χ^2/NDF: 68.8/60

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 106.252+/-0.023 χ^2/NDF:248272.8/13

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 105.446+/-0.023 χ^2/NDF:118479.3/11

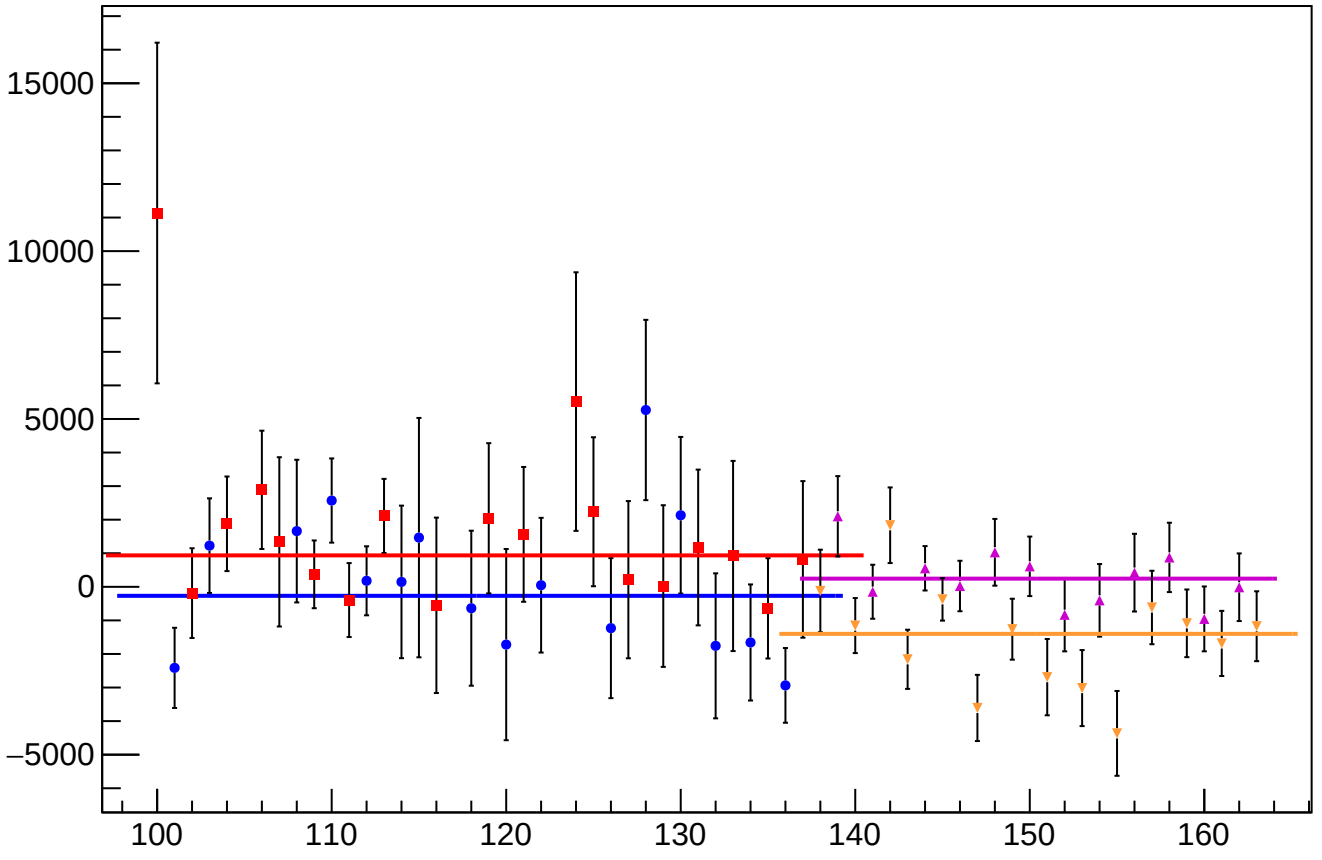
Left: 105.862+/-0.016 χ^2/NDF: 367358.2/25

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.590+/-0.018 χ^2/NDF:849437.9/27

Out: 103.463+/-0.017 χ^2/NDF:1164821.2/32

All: 103.525+/-0.012 χ^2/NDF: 2014285.0/60



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.029+/-258.699 χ^2/NDF:27.4/13

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 243.898+/-267.009 χ^2/NDF:7.1/11

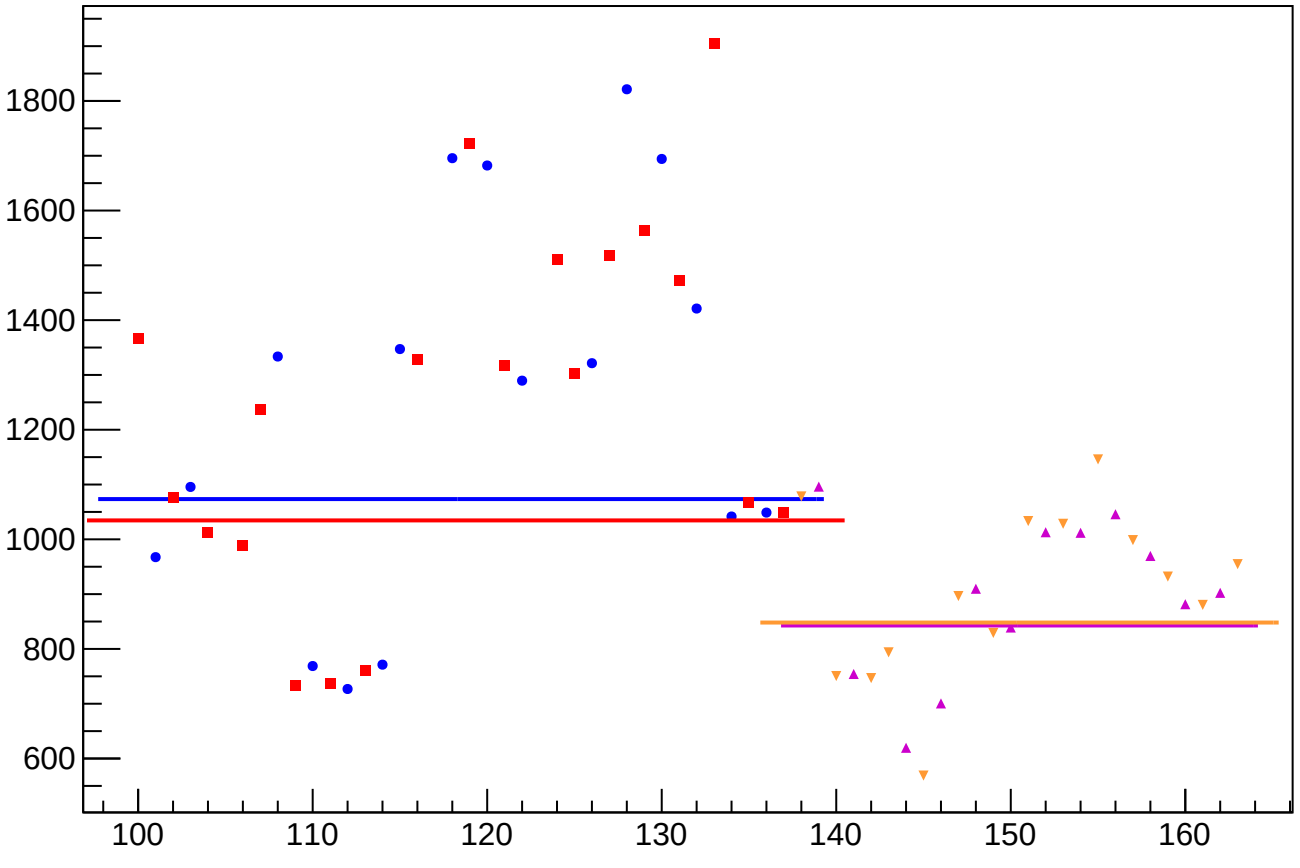
Left: -604.560+/-185.796 χ^2/NDF: 54.1/25

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 95.114+/-224.872 χ^2/NDF:31.6/27

Out: -702.340+/-216.618 χ^2/NDF:64.9/32

All: -318.517+/-156.008 χ^2/NDF: 103.1/60



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 848.144+/-0.183 χ^2/NDF:805698.0/13

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 842.776+/-0.189 χ^2/NDF:622222.0/11

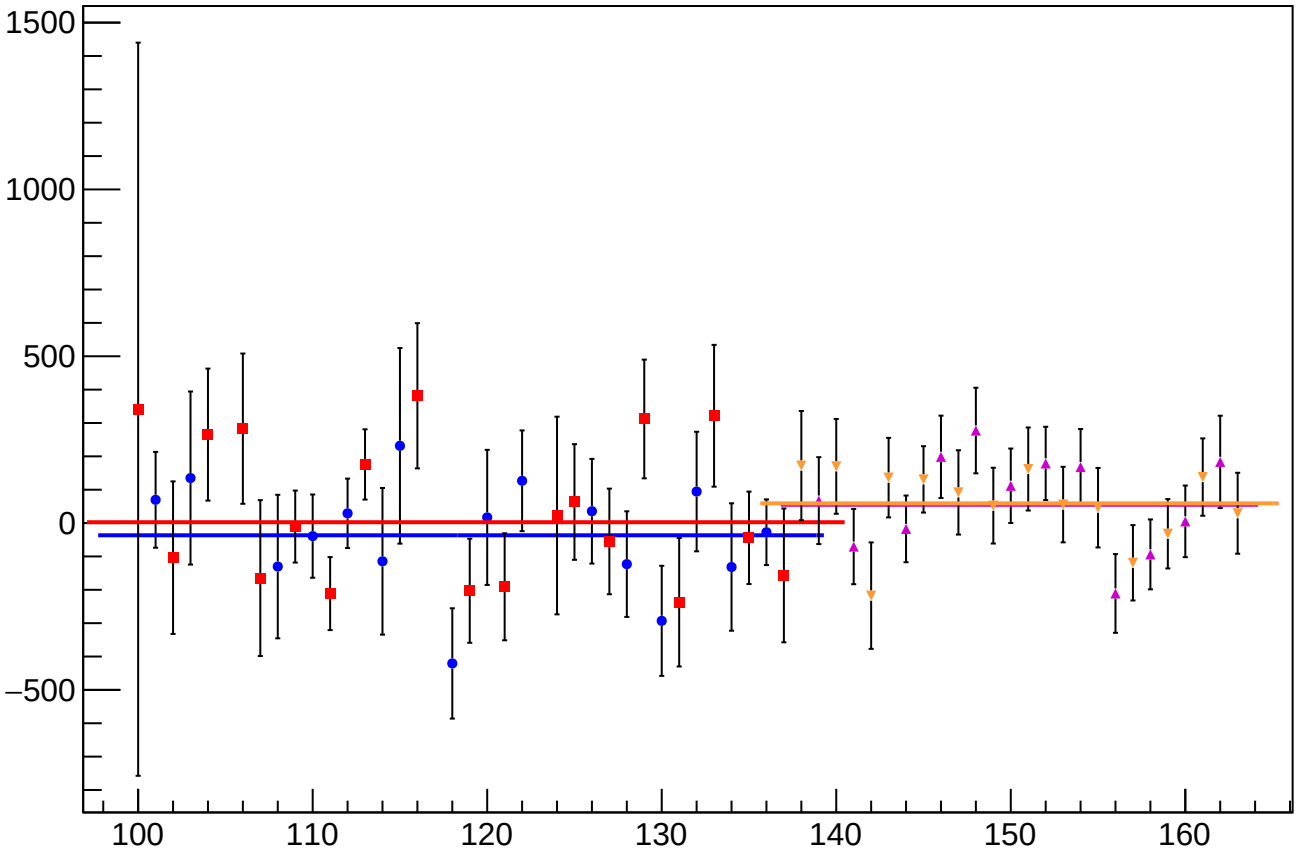
Left: 845.545+/-0.131 χ^2/NDF: 1428337.0/25

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 909.839+/-0.159 χ^2/NDF:2133254.2/27

Out: 903.851+/-0.153 χ^2/NDF:2345334.9/32

All: 906.733+/-0.110 χ^2/NDF: 4479324.6/60



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.089+/-32.209 χ^2/NDF:9.6/13

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 54.799+/-33.212 χ^2/NDF:16.8/11

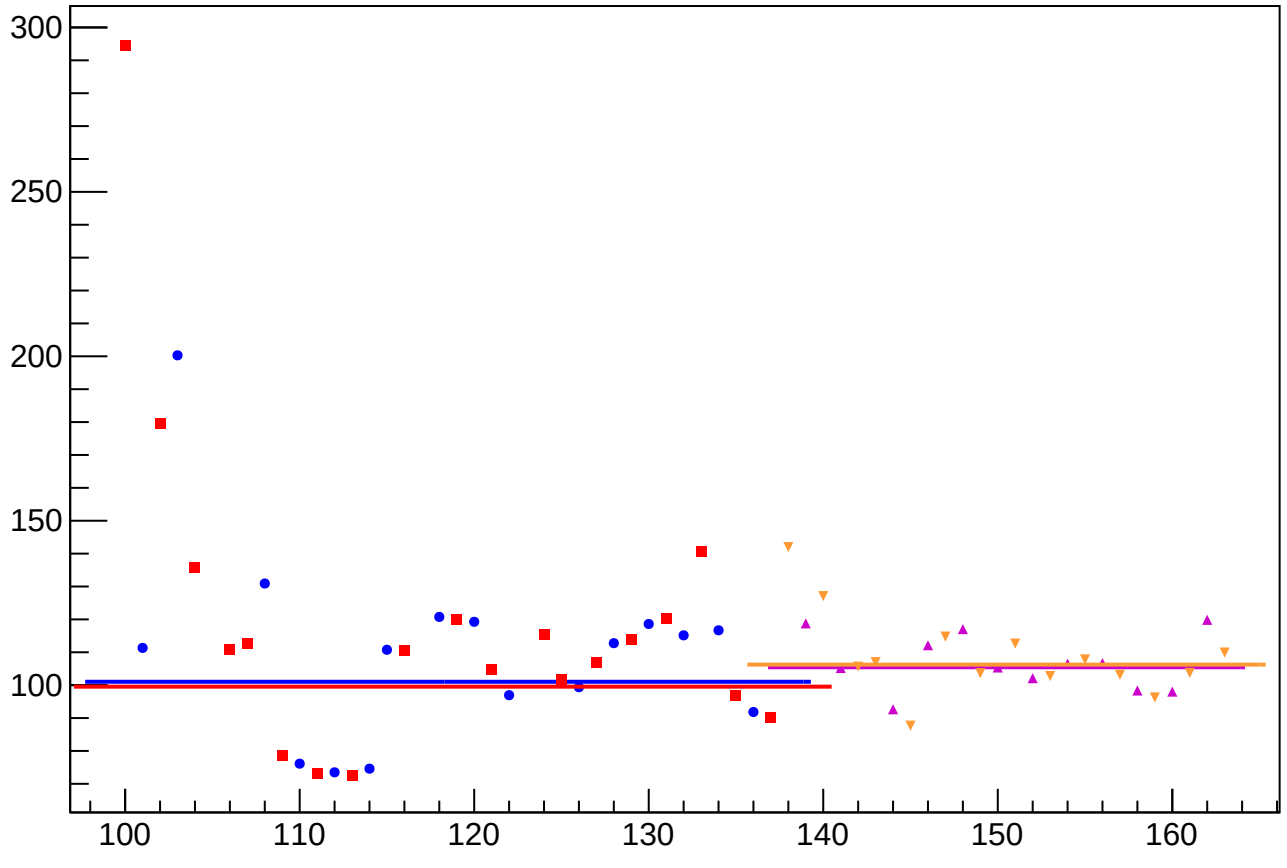
Left: 57.009+/-23.122 χ^2/NDF: 26.4/25

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 16.372+/-25.283 χ^2/NDF:32.9/27

Out: 35.577+/-24.614 χ^2/NDF:35.6/32

All: 26.232+/-17.637 χ^2/NDF: 68.8/60



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 106.252+/-0.023 χ^2/NDF:248267.7/13

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 105.447+/-0.023 χ^2/NDF:118478.5/11

Left: 105.862+/-0.016 χ^2/NDF: 367352.4/25

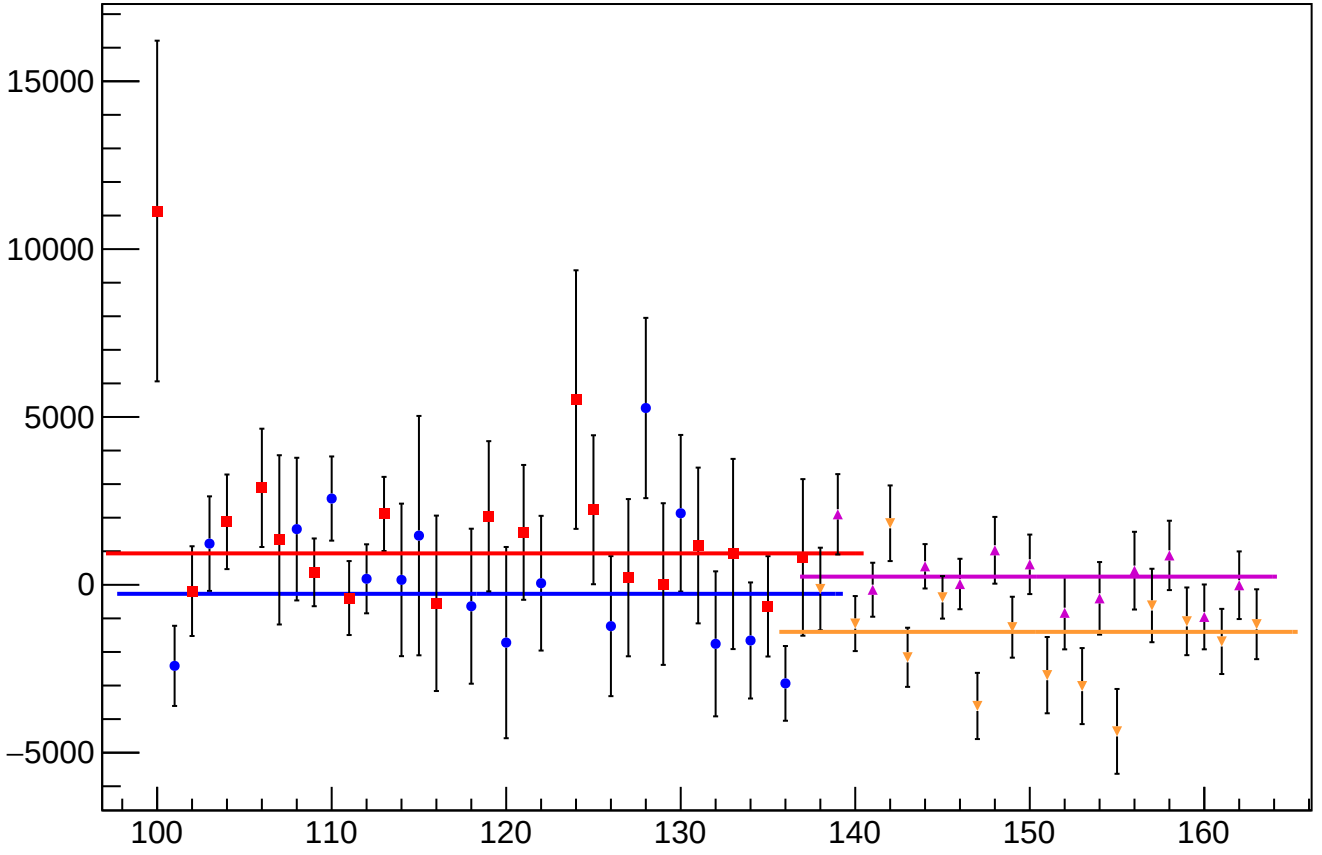
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.590+/-0.018 χ^2/NDF:849437.3/27

Out: 103.463+/-0.017 χ^2/NDF:1164821.1/32

All: 103.525+/-0.012 χ^2/NDF: 2014284.3/60

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1401.027+/-258.699 χ^2/NDF:27.4/13

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 243.897+/-267.009 χ^2/NDF:7.1/11

Left: -604.560+/-185.796 χ^2/NDF: 54.1/25

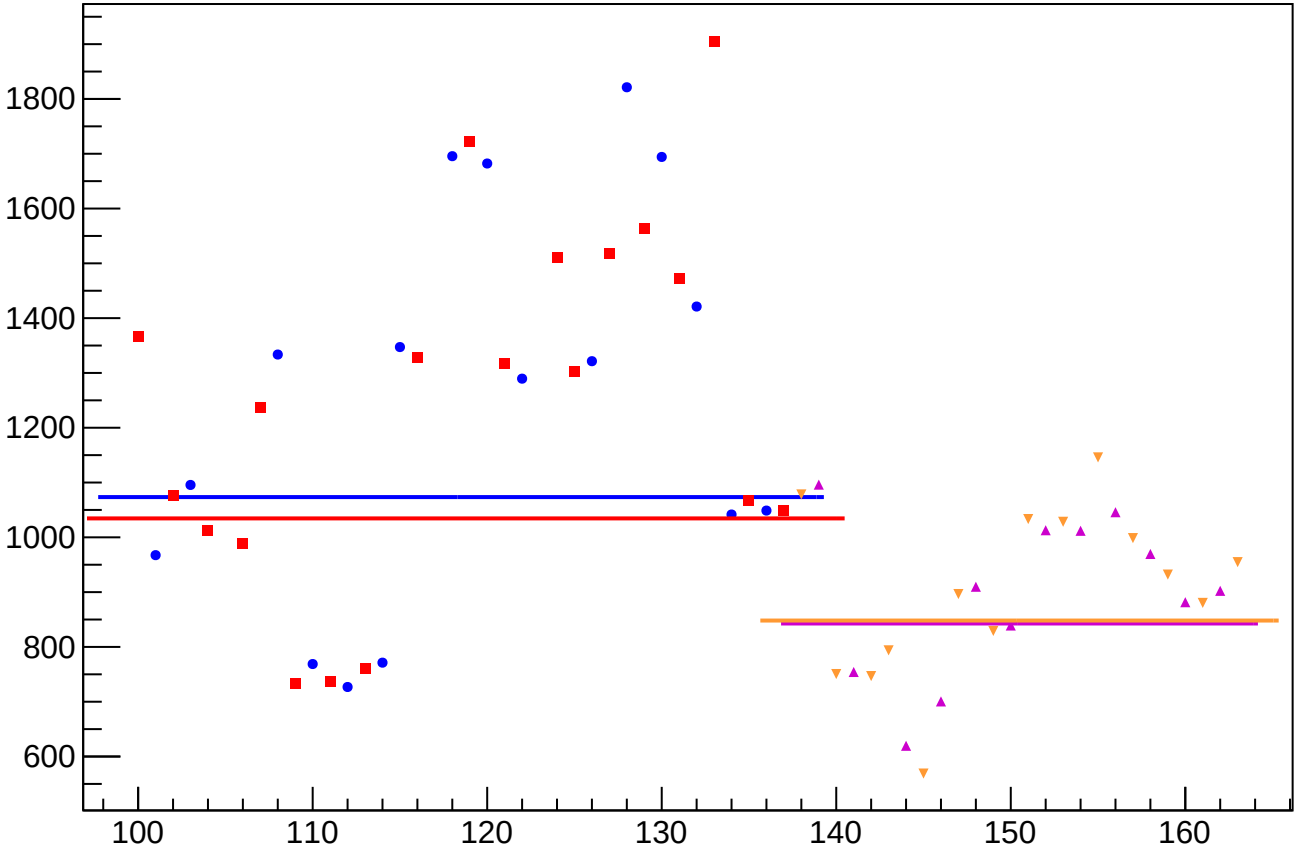
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 95.113+/-224.872 χ^2/NDF:31.6/27

Out: -702.339+/-216.617 χ^2/NDF:64.9/32

All: -318.517+/-156.008 χ^2/NDF: 103.1/60

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: 848.143+/-0.183 χ^2/NDF:805700.9/13

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 842.775+/-0.189 χ^2/NDF:622220.6/11

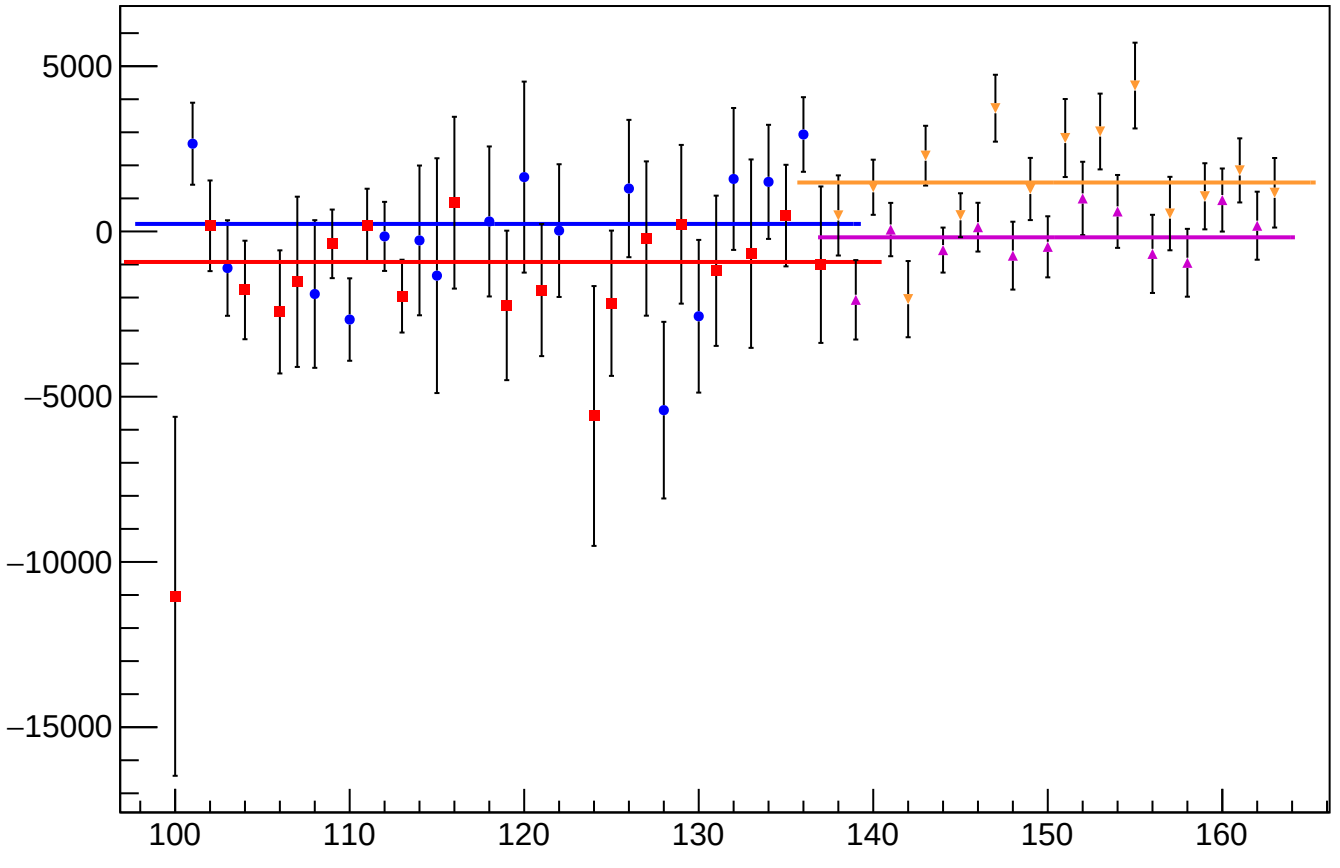
Left: 845.544+/-0.131 χ^2/NDF: 1428338.4/25

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 909.838+/-0.159 χ^2/NDF:2133256.3/27

Out: 903.850+/-0.153 χ^2/NDF:2345340.1/32

All: 906.732+/-0.110 χ^2/NDF: 4479332.0/60



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1480.764+/-264.369 χ^2/NDF:27.4/13

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -177.675+/-270.347 χ^2/NDF:7.3/11

Left: 670.083+/-189.015 χ^2/NDF: 54.0/25

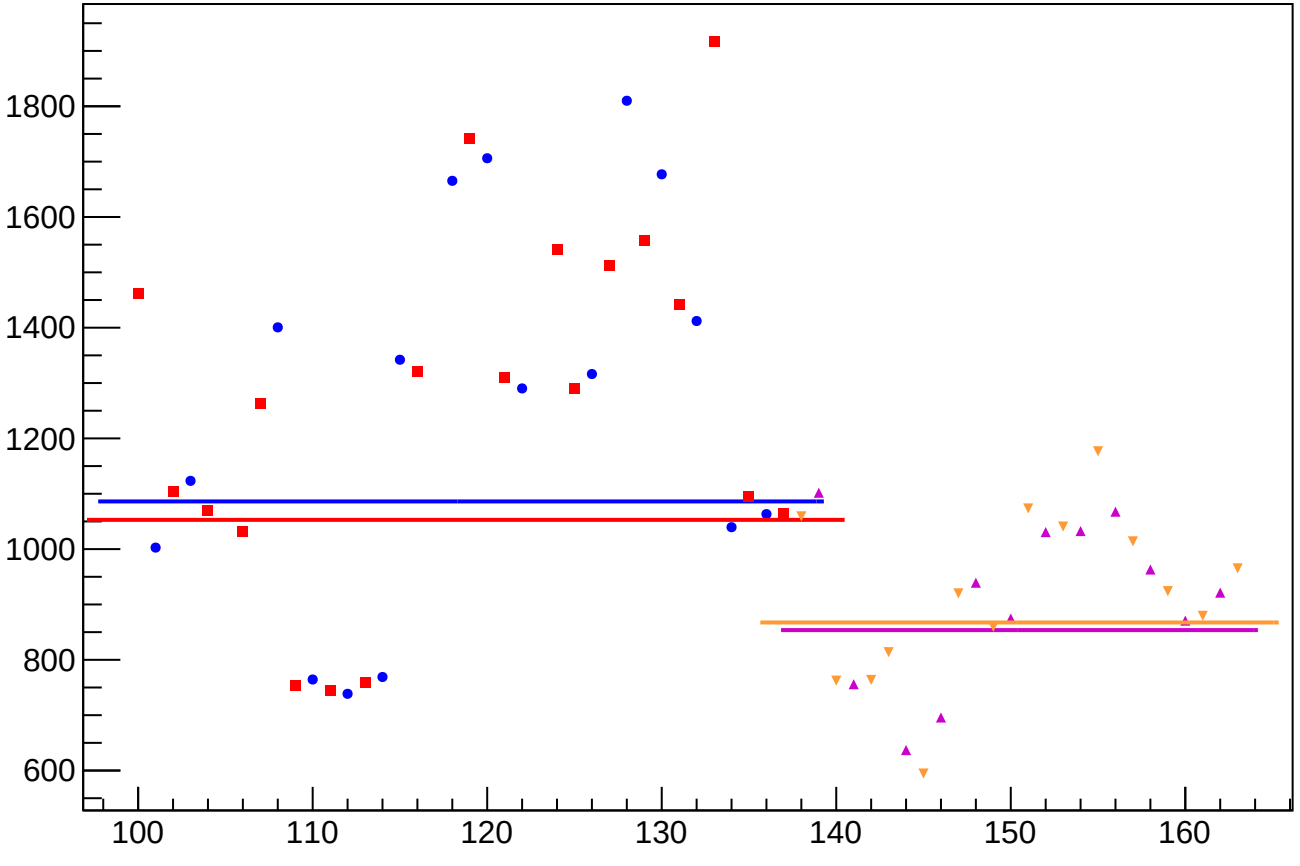
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -59.710+/-227.615 χ^2/NDF:32.4/27

Out: 757.614+/-221.067 χ^2/NDF:63.5/32

All: 360.877+/-158.582 χ^2/NDF: 102.5/60

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 867.479+/-0.187 χ^2/NDF:726378.5/13

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 853.723+/-0.191 χ^2/NDF:624842.8/11

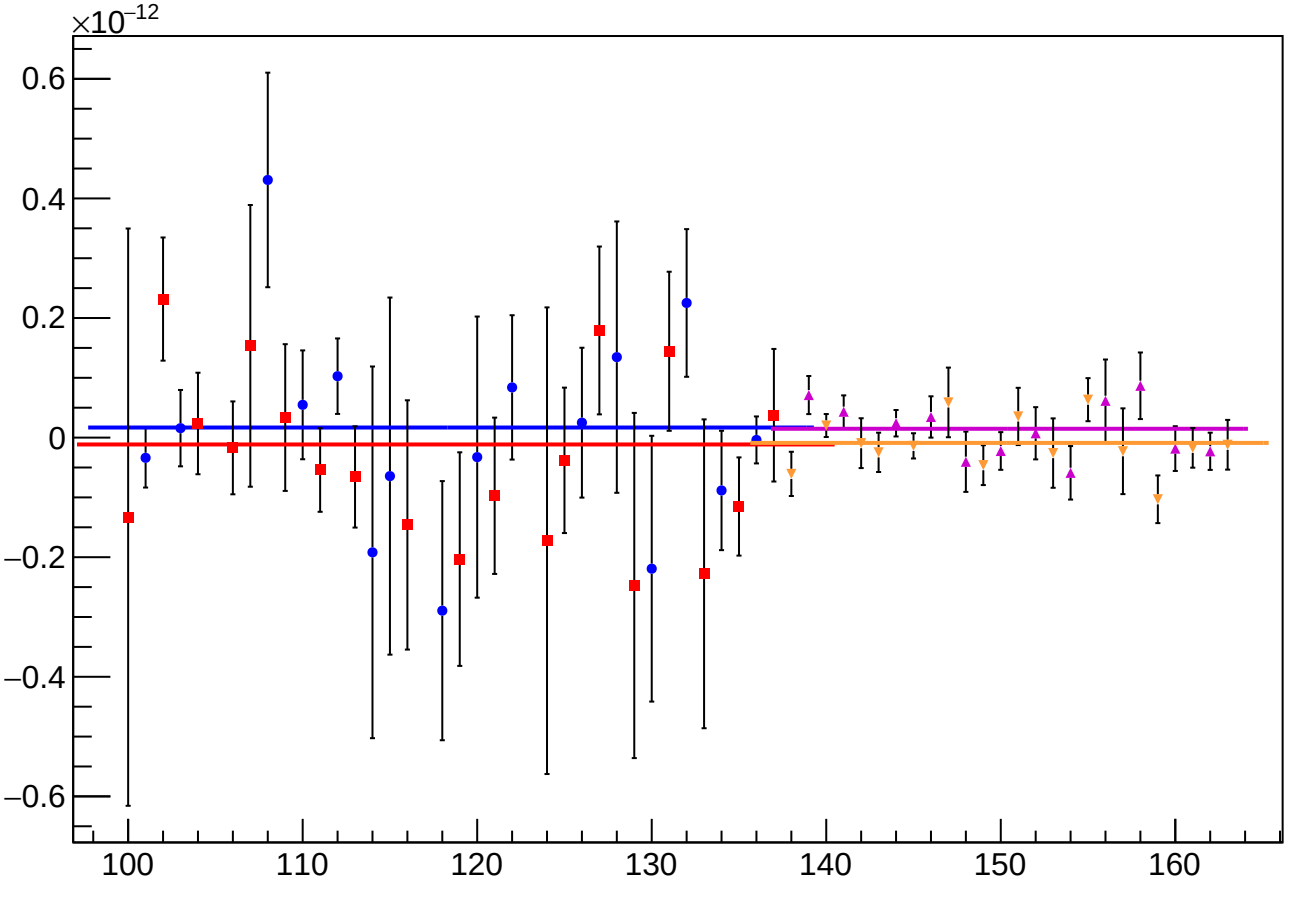
Left: 860.754+/-0.134 χ^2/NDF: 1353868.3/25

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 921.389+/-0.161 χ^2/NDF:2102674.0/27

Out: 923.225+/-0.156 χ^2/NDF:2216478.6/32

All: 922.334+/-0.112 χ^2/NDF: 4319219.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/11

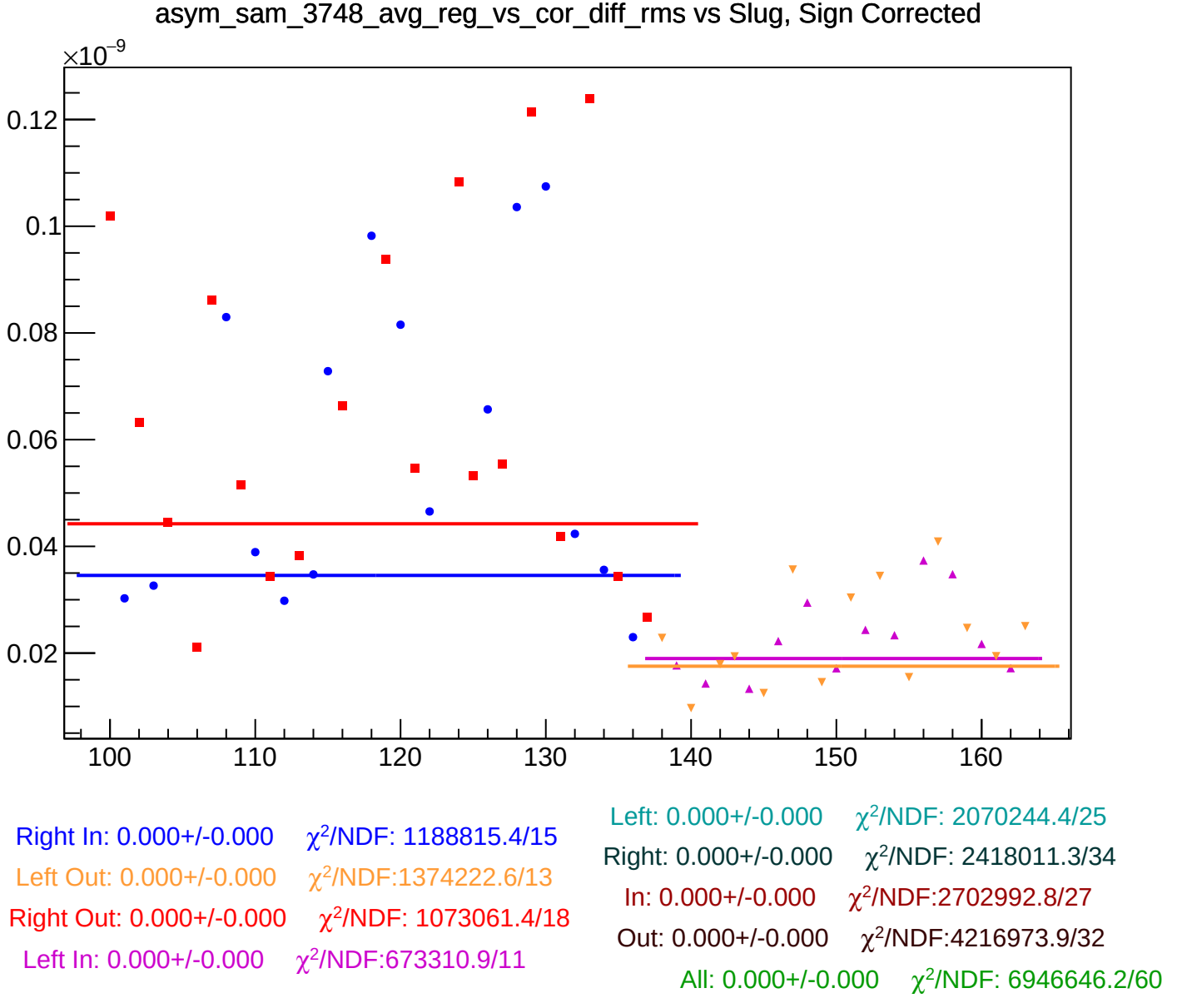
Left: 0.000+/-0.000 χ^2/NDF: 35.3/25

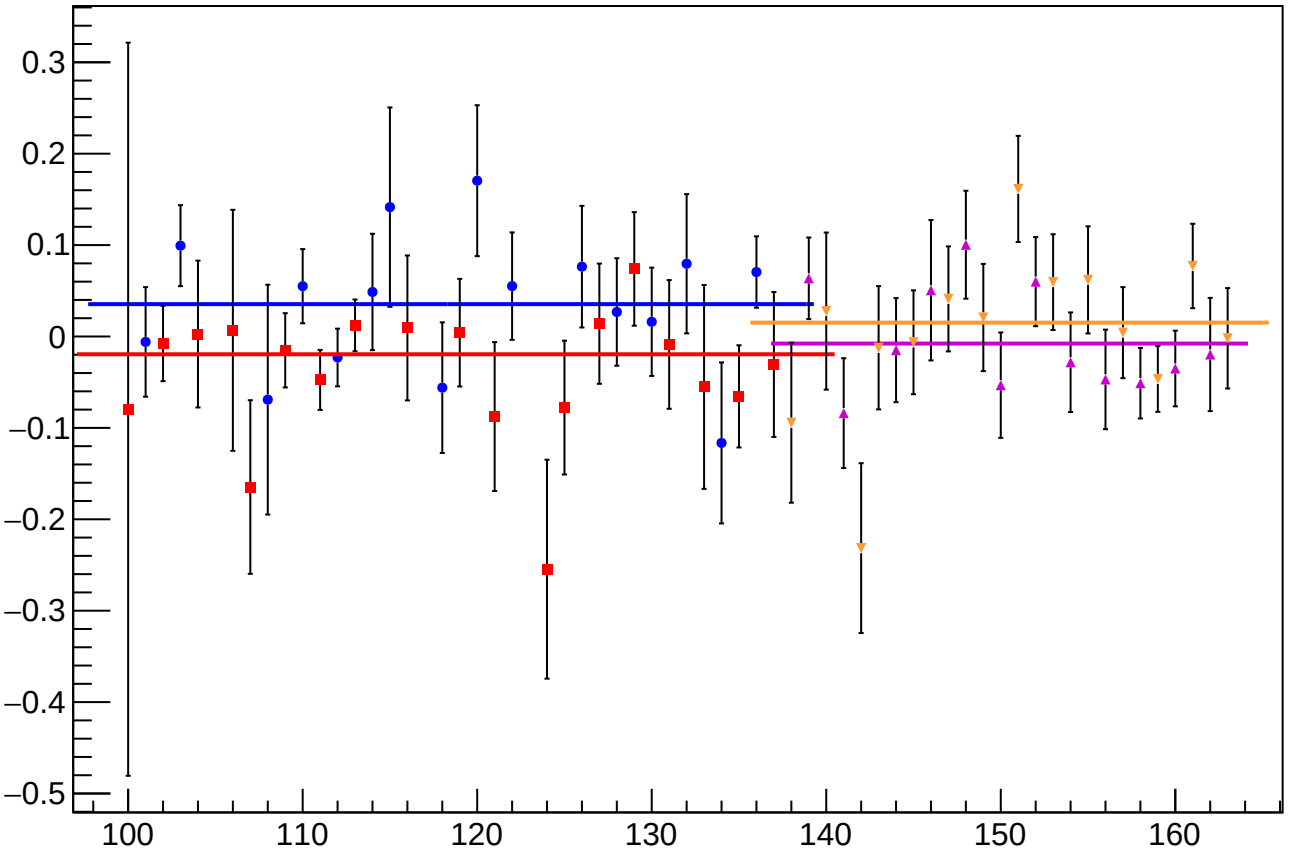
Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:31.3/27

Out: -0.000+/-0.000 χ^2/NDF:33.6/32

All: 0.000+/-0.000 χ^2/NDF: 68.7/60


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1374222.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:673310.9/11
Left: 0.000+/-0.000 χ²/NDF: 2070244.4/25
Right: 0.000+/-0.000 χ²/NDF: 2418011.3/34
In: 0.000+/-0.000 χ²/NDF:2702992.8/27
Out: 0.000+/-0.000 χ²/NDF:4216973.9/32
All: 0.000+/-0.000 χ²/NDF: 6946646.2/60



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.008+/-0.015 χ^2/NDF:13.1/11

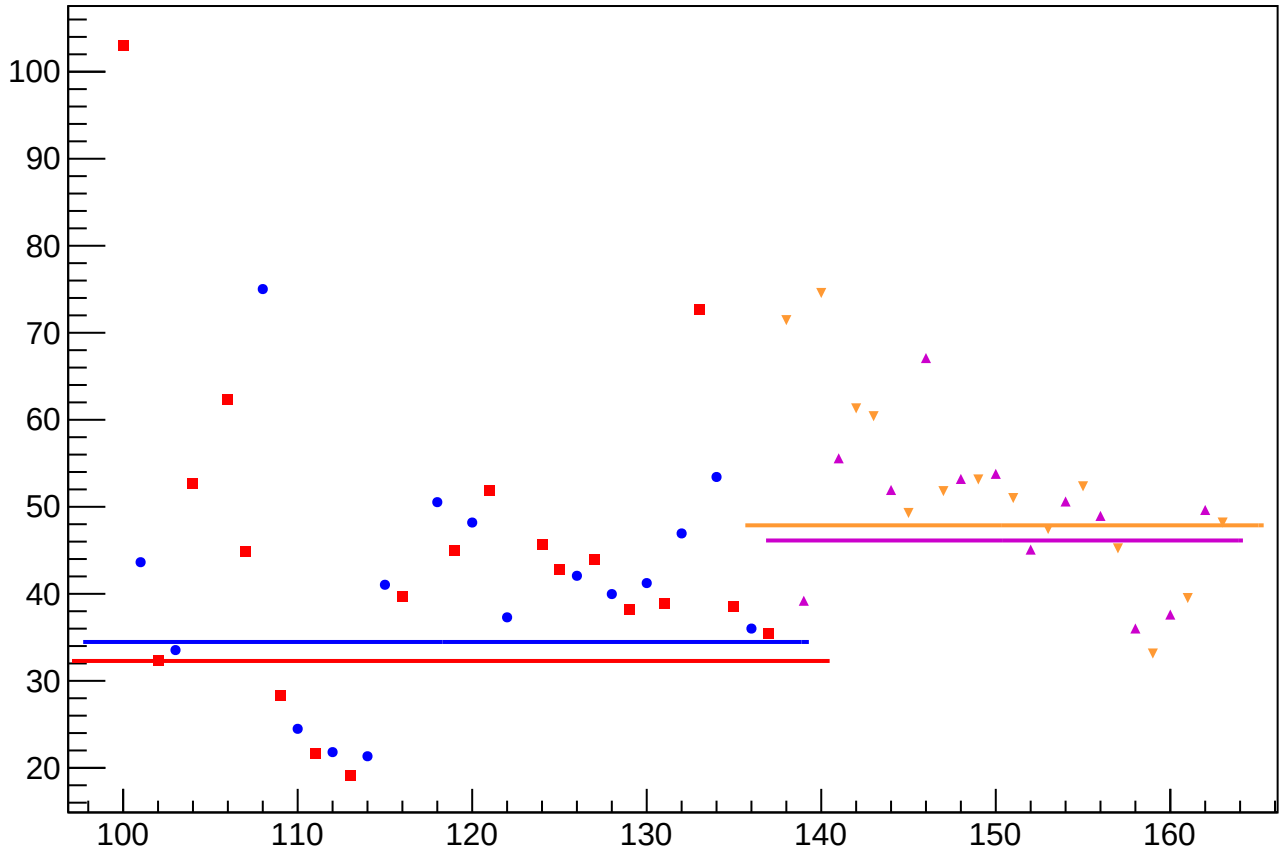
Left: 0.004+/-0.011 χ^2/NDF: 36.0/25

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:34.5/27

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.005+/-0.007 χ^2/NDF: 74.6/60



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.872+/-0.011 χ^2/NDF:900138.1/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.131+/-0.011 χ^2/NDF:579465.1/11

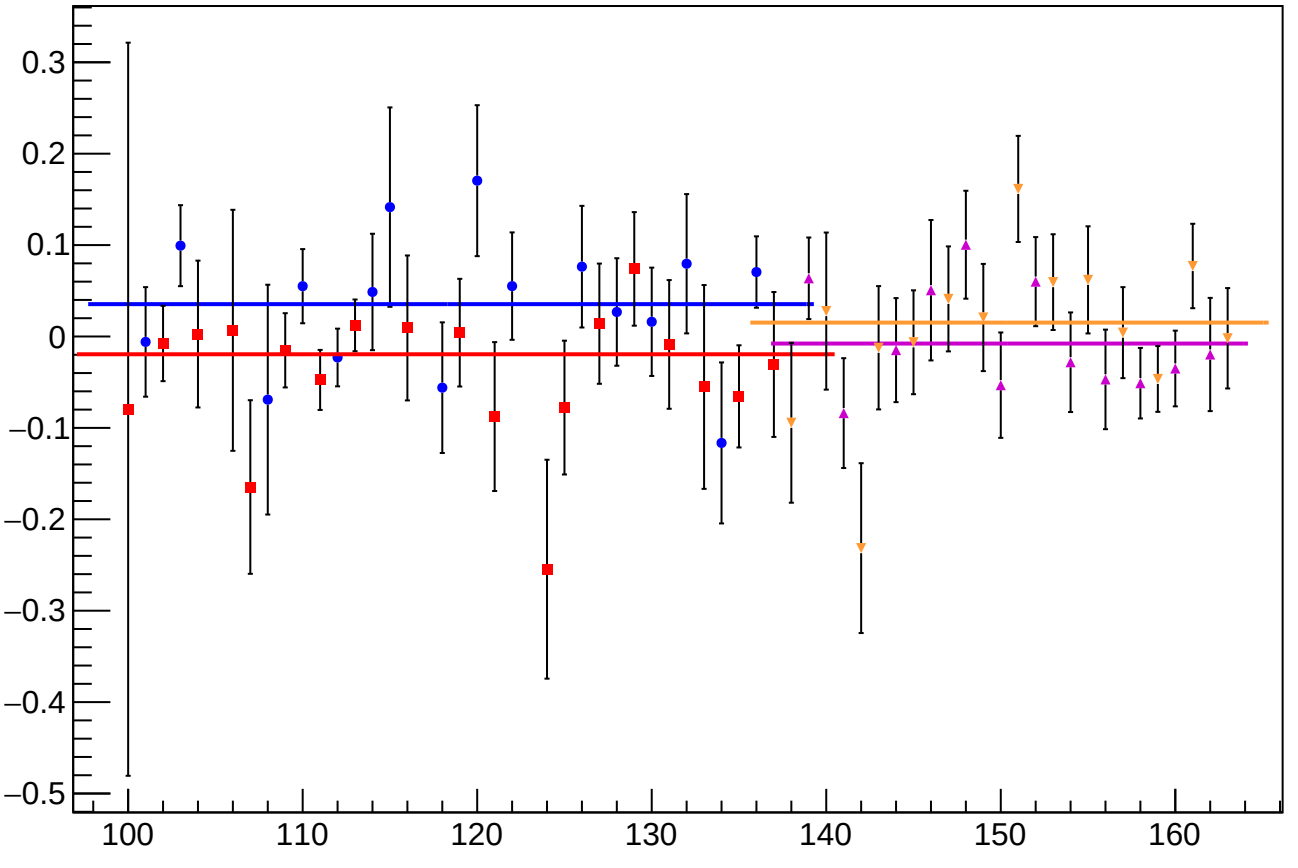
Left: 46.999+/-0.007 χ^2/NDF: 1493078.8/25

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.860+/-0.007 χ^2/NDF:2402412.9/27

Out: 39.033+/-0.007 χ^2/NDF:3794437.6/32

All: 39.434+/-0.005 χ^2/NDF: 6203627.9/60



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.008+/-0.015 χ^2/NDF:13.1/11

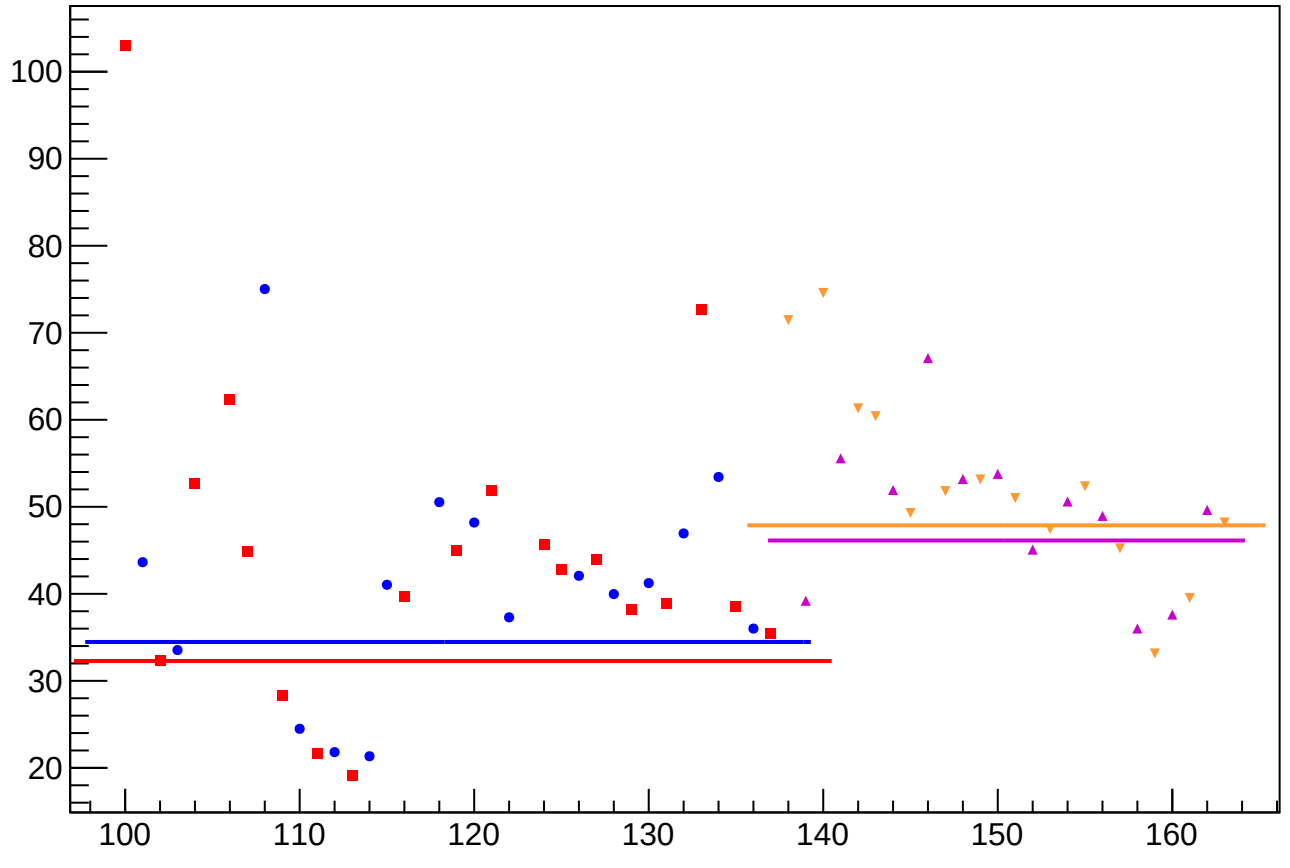
Left: 0.004+/-0.011 χ^2/NDF: 36.0/25

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:34.5/27

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.005+/-0.007 χ^2/NDF: 74.6/60



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.872+/-0.011 χ^2/NDF:900138.1/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.131+/-0.011 χ^2/NDF:579465.1/11

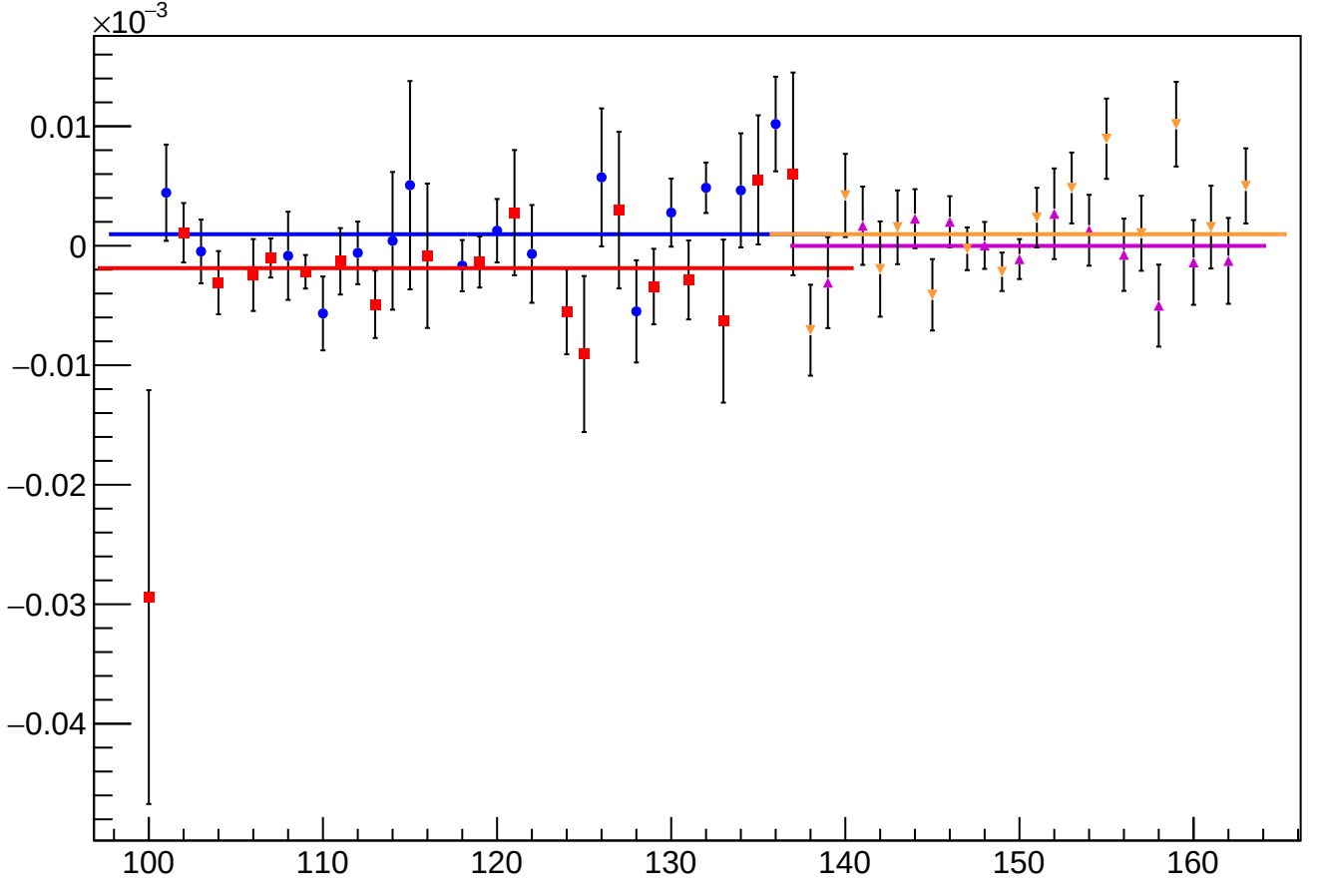
Left: 46.999+/-0.007 χ^2/NDF: 1493078.8/25

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.860+/-0.007 χ^2/NDF:2402412.9/27

Out: 39.033+/-0.007 χ^2/NDF:3794437.6/32

All: 39.434+/-0.005 χ^2/NDF: 6203627.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/11

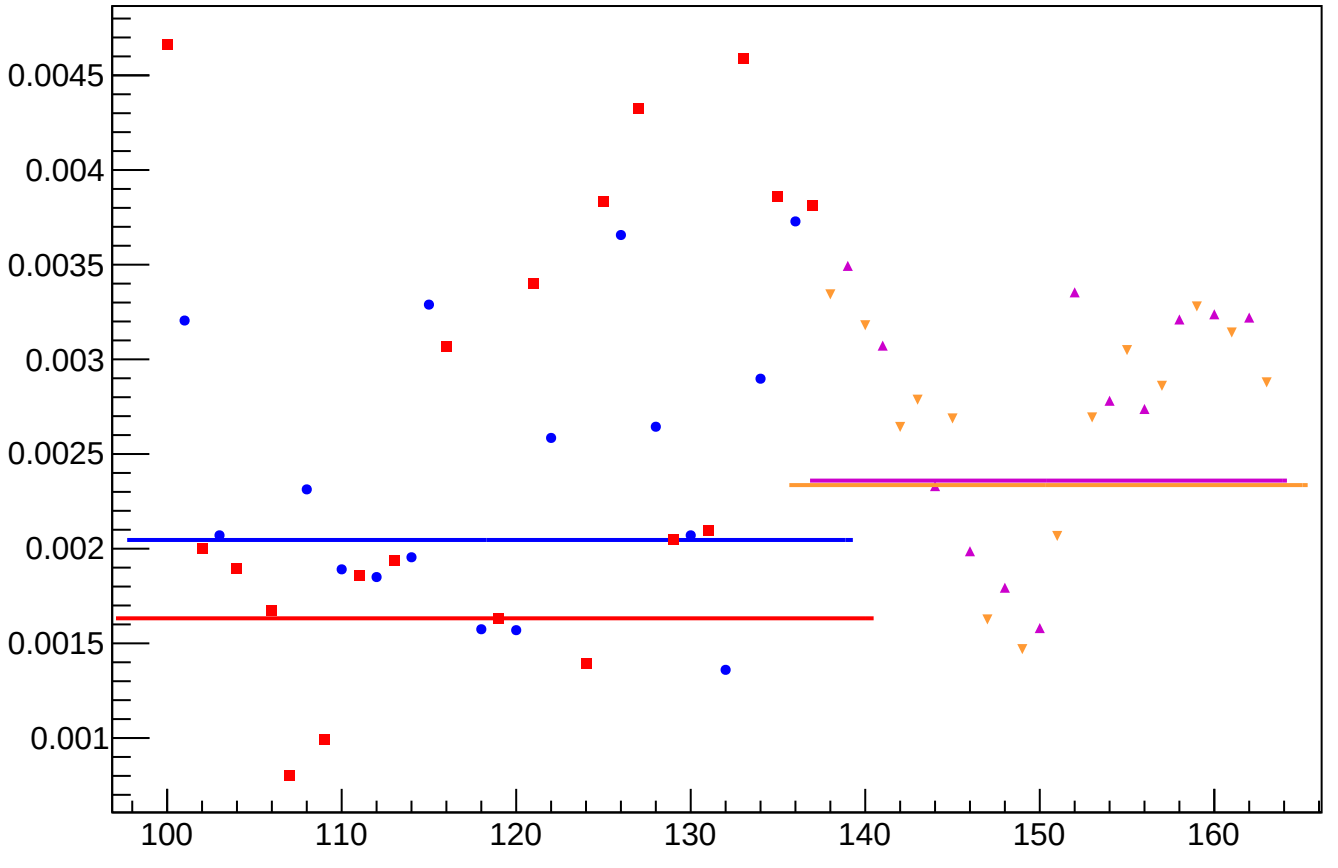
Left: 0.000+/-0.000 χ^2/NDF: 36.3/25

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:27.9/27

Out: -0.000+/-0.000 χ^2/NDF:50.2/32

All: -0.000+/-0.000 χ^2/NDF: 80.1/60



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1742459.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1503227.4/11

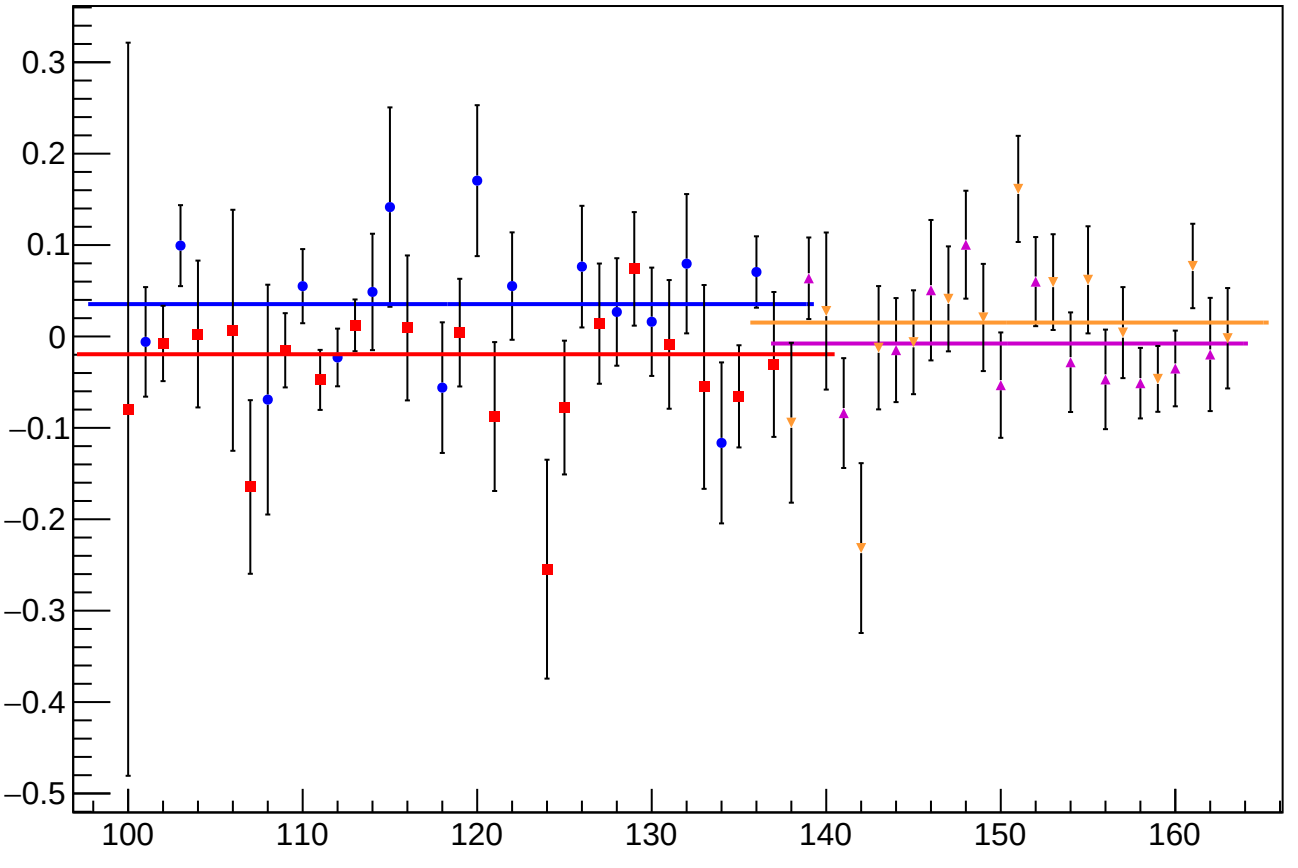
Left: 0.002+/-0.000 χ^2/NDF: 3246688.0/25

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:2921934.7/27

Out: 0.002+/-0.000 χ^2/NDF:5674363.0/32

All: 0.002+/-0.000 χ^2/NDF: 8837100.2/60



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.008+/-0.015 χ^2/NDF:13.1/11

Left: 0.004+/-0.011 χ^2/NDF: 36.0/25

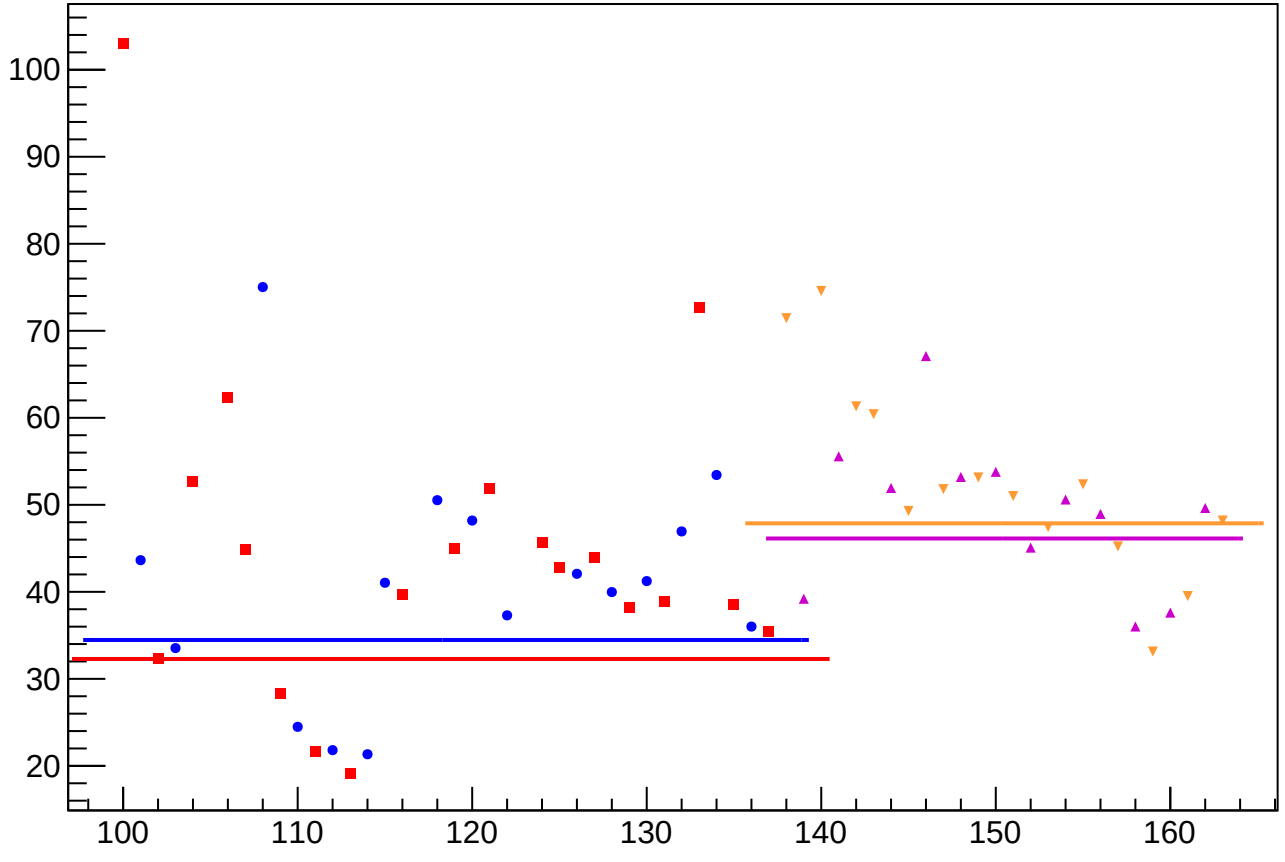
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:34.5/27

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.005+/-0.007 χ^2/NDF: 74.6/60

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: 47.873+/-0.011 χ^2/NDF:900152.5/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.132+/-0.011 χ^2/NDF:579498.8/11

Left: 47.000+/-0.008 χ^2/NDF: 1493128.7/25

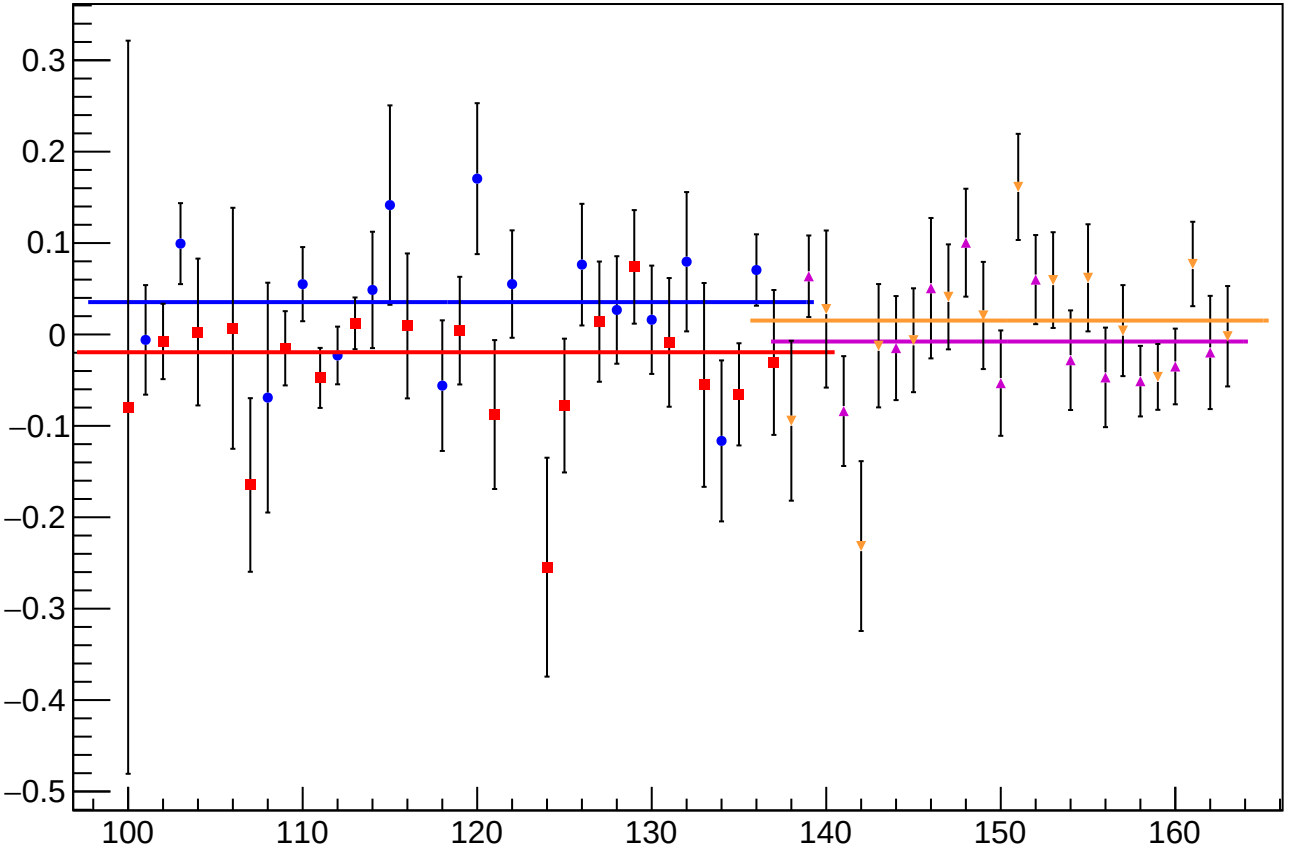
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.860+/-0.007 χ^2/NDF:2402410.5/27

Out: 39.034+/-0.007 χ^2/NDF:3794440.1/32

All: 39.434+/-0.005 χ^2/NDF: 6203626.8/60

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.015 χ^2/NDF:21.7/13

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.008+/-0.015 χ^2/NDF:13.1/11

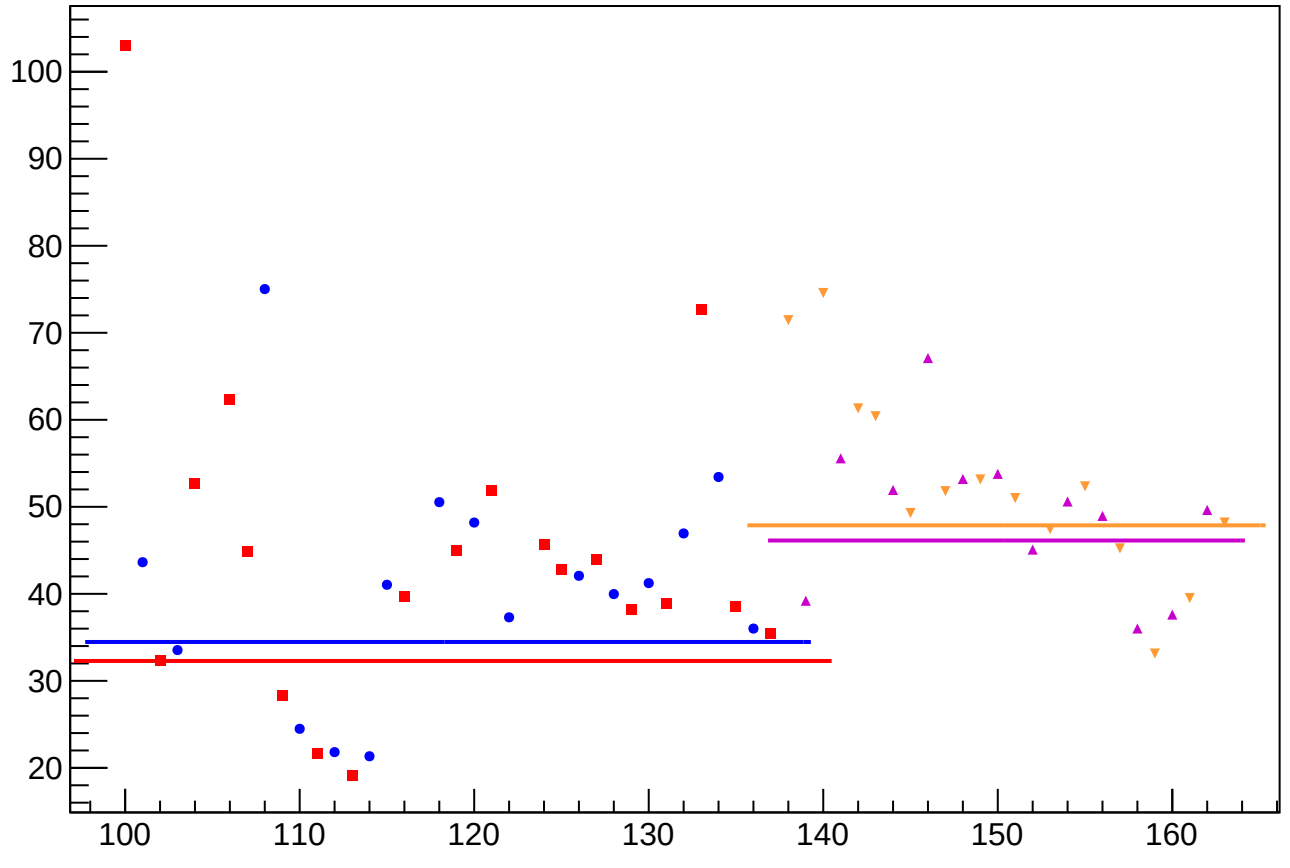
Left: 0.004+/-0.011 χ^2/NDF: 36.0/25

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:34.5/27

Out: -0.004+/-0.010 χ^2/NDF:38.1/32

All: 0.005+/-0.007 χ^2/NDF: 74.6/60



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.873+/-0.011 χ^2/NDF:900152.5/13

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.132+/-0.011 χ^2/NDF:579498.8/11

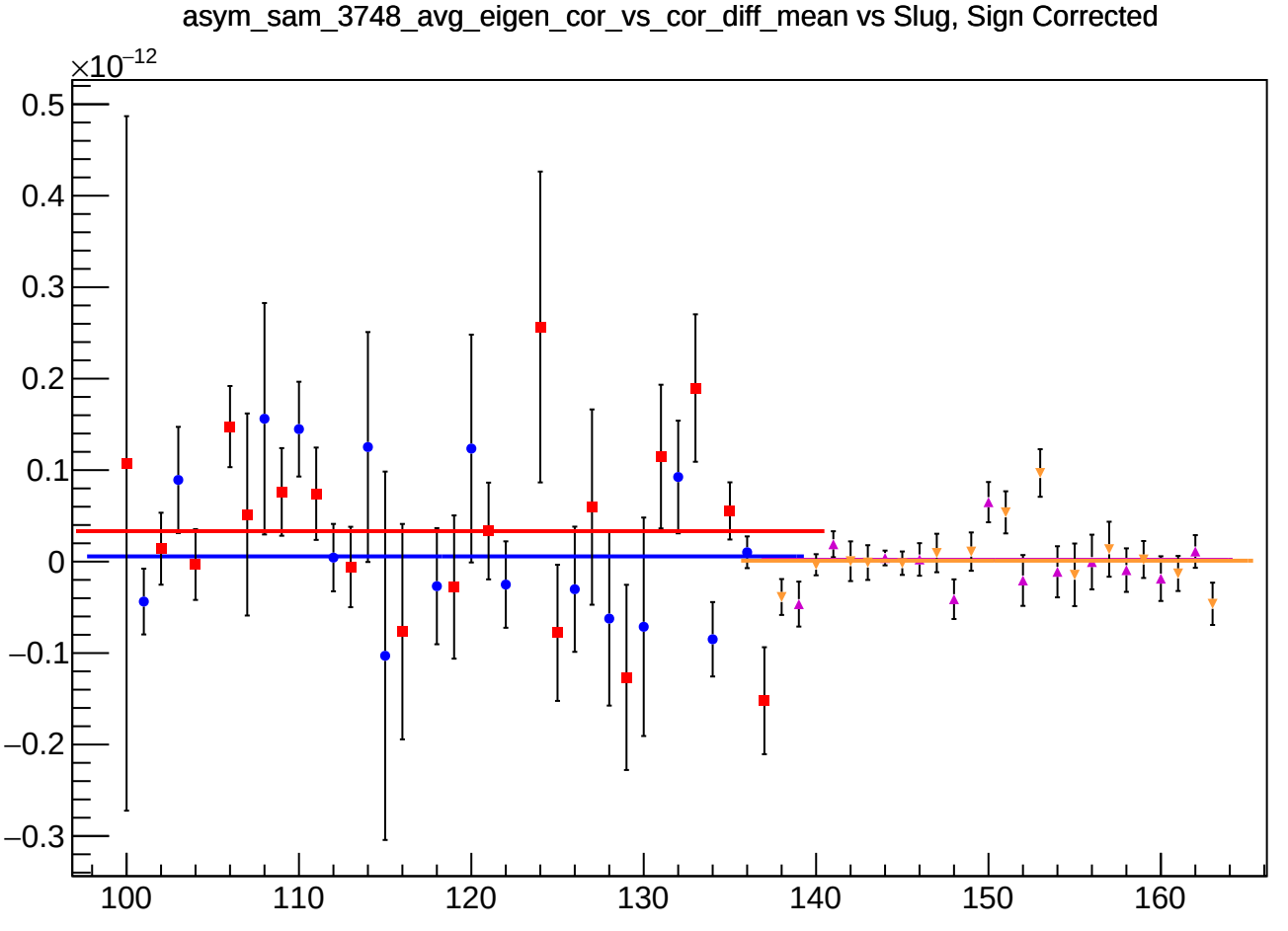
Left: 47.000+/-0.008 χ^2/NDF: 1493128.7/25

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.860+/-0.007 χ^2/NDF:2402410.5/27

Out: 39.034+/-0.007 χ^2/NDF:3794440.1/32

All: 39.434+/-0.005 χ^2/NDF: 6203626.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/11

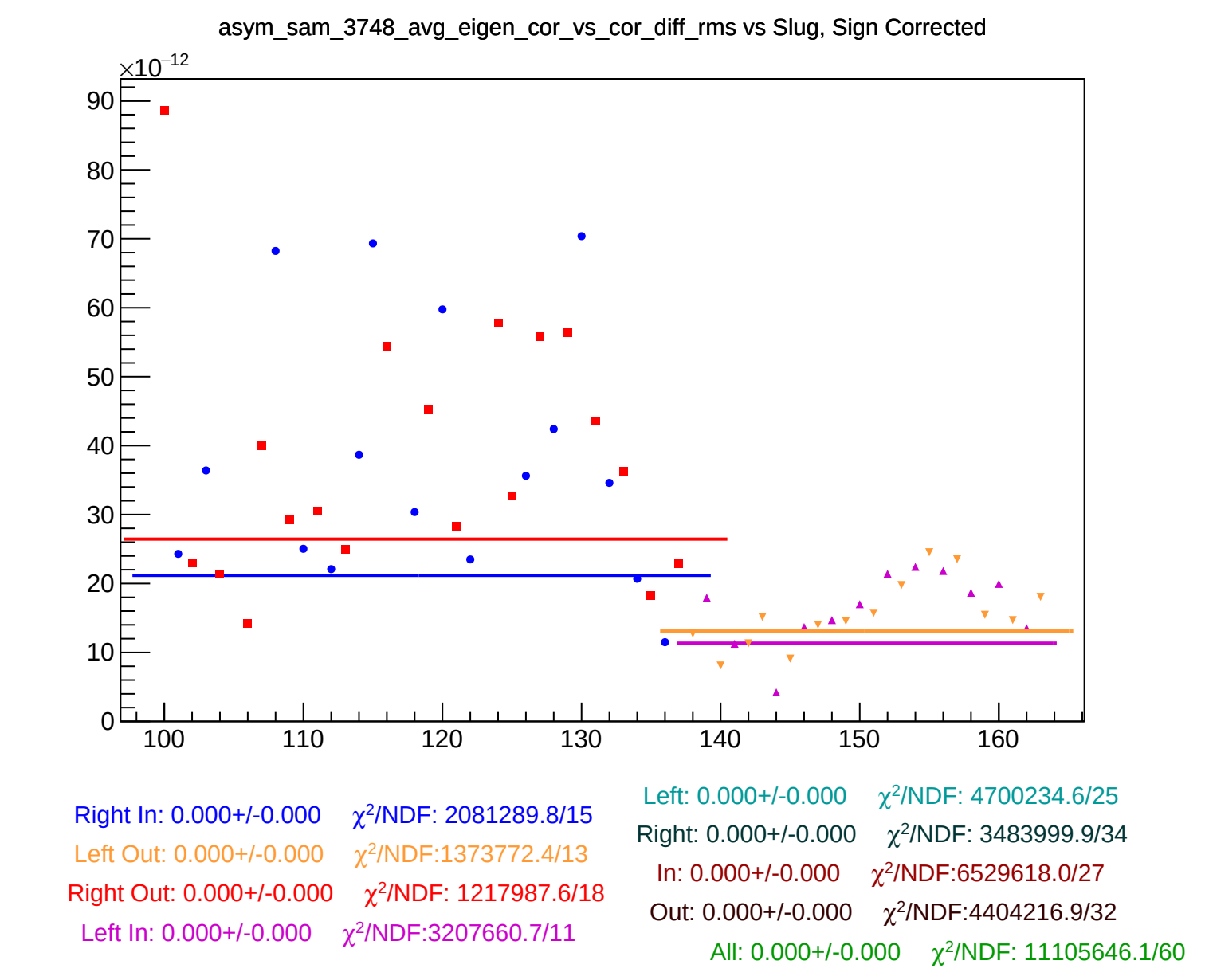
Left: 0.000+/-0.000 χ^2/NDF: 48.2/25

Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

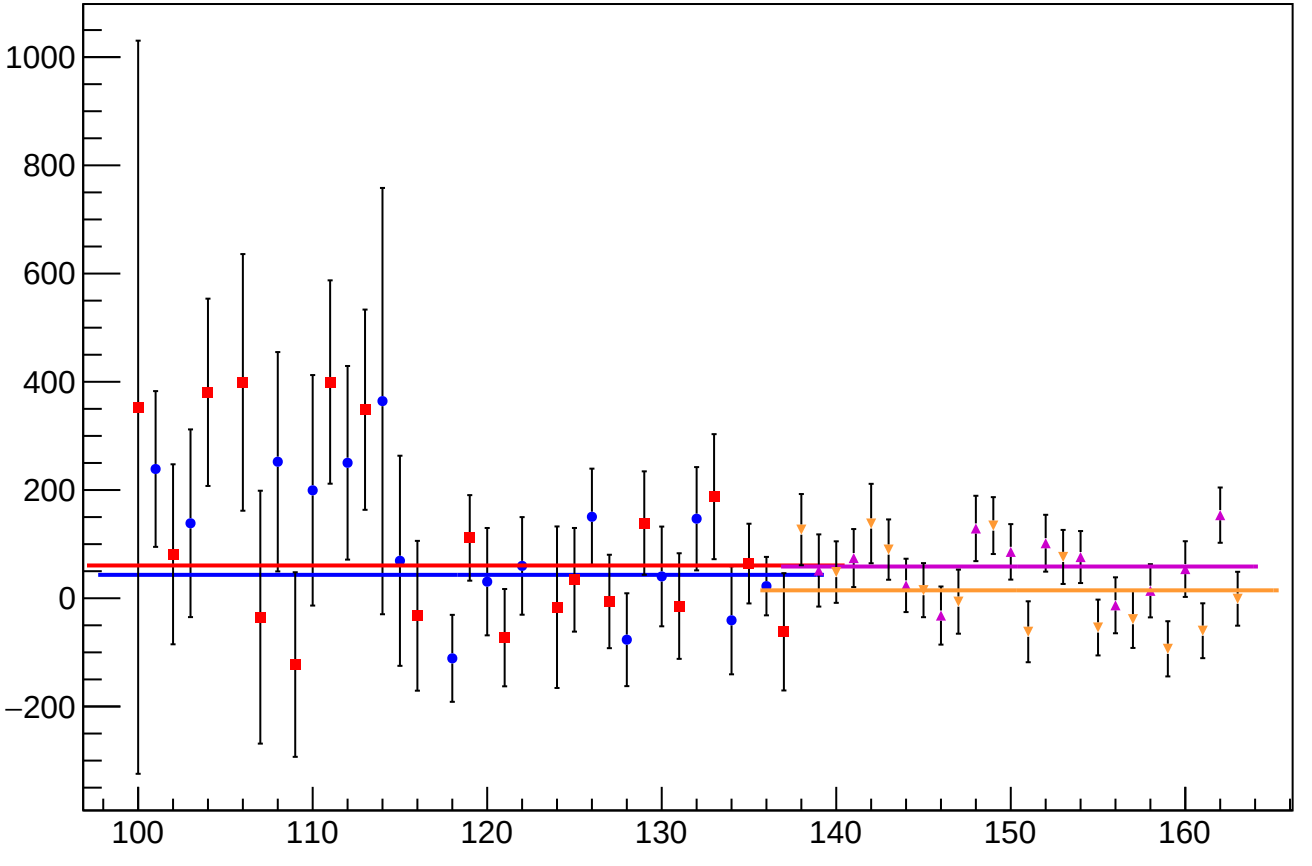
In: 0.000+/-0.000 χ^2/NDF:43.3/27

Out: 0.000+/-0.000 χ^2/NDF:67.4/32

All: 0.000+/-0.000 χ^2/NDF: 110.9/60


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1373772.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3207660.7/11
Left: 0.000+/-0.000 χ²/NDF: 4700234.6/25
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6529618.0/27
Out: 0.000+/-0.000 χ²/NDF:4404216.9/32
All: 0.000+/-0.000 χ²/NDF: 11105646.1/60

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.631+/-14.556 χ^2/NDF:26.1/13

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 58.646+/-15.198 χ^2/NDF:12.1/11

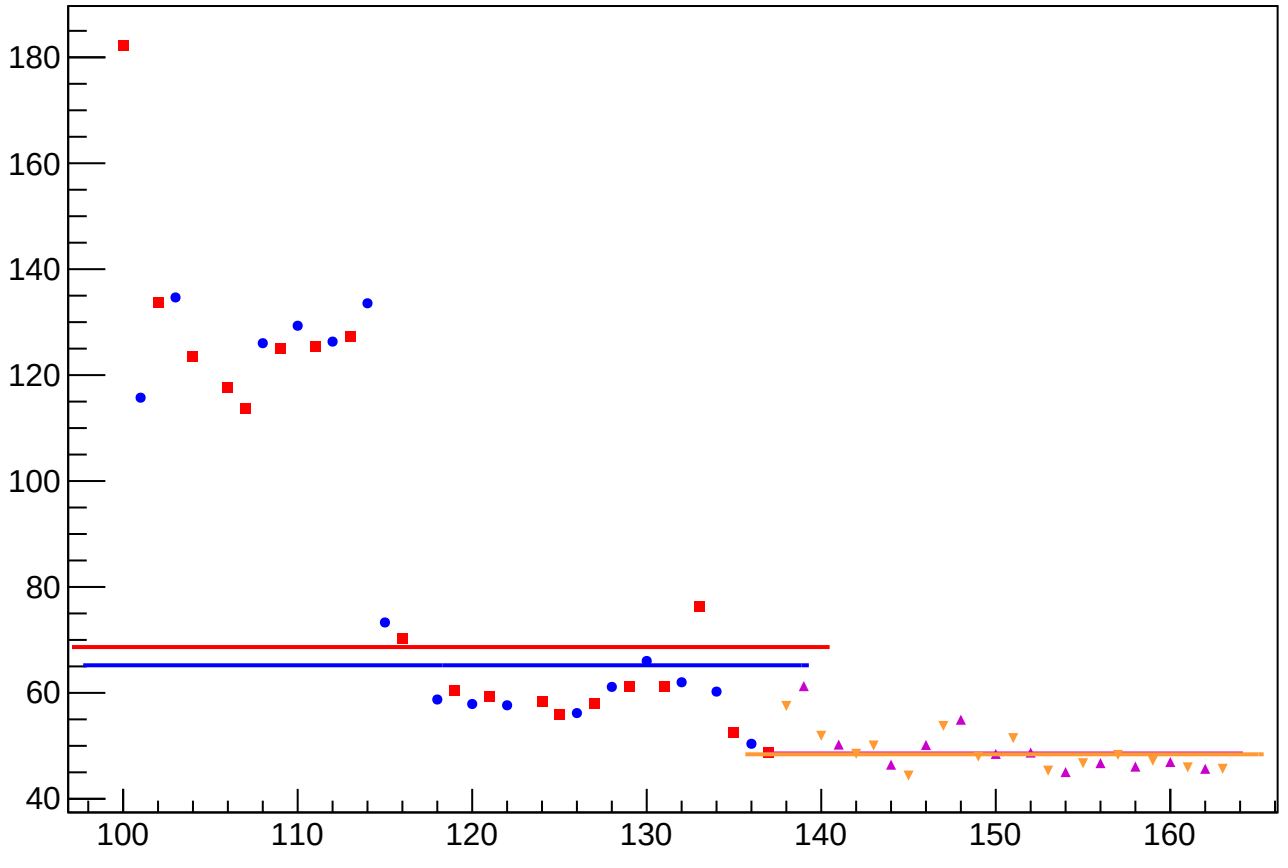
Left: 35.690+/-10.512 χ^2/NDF: 42.6/25

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 54.674+/-13.092 χ^2/NDF:27.3/27

Out: 25.042+/-12.801 χ^2/NDF:48.8/32

All: 39.525+/-9.153 χ^2/NDF: 78.7/60



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 48.555+/-0.011 χ^2/NDF:129022.4/11

Left: 48.476+/-0.007 χ^2/NDF: 233988.7/25

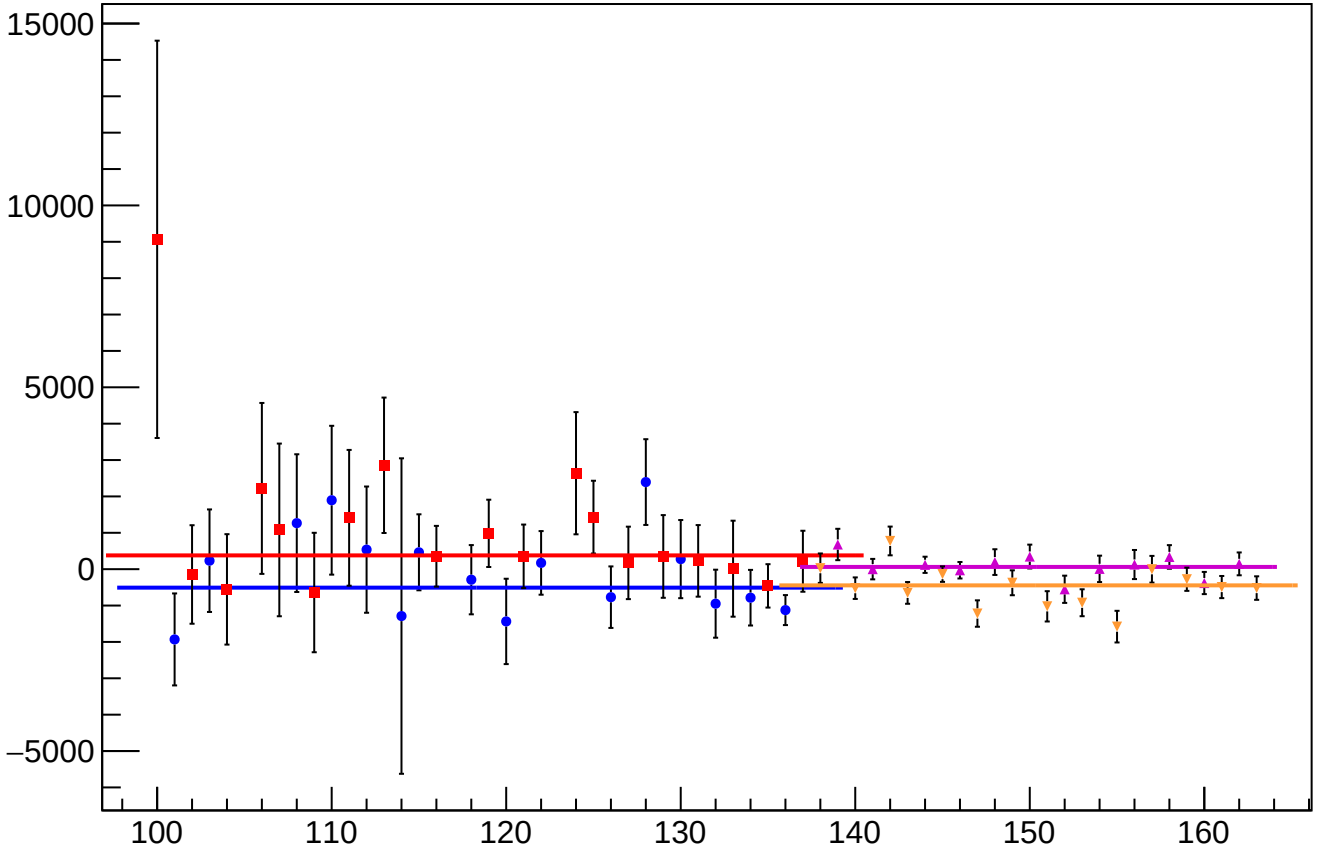
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 52.851+/-0.009 χ^2/NDF:2195125.7/27

Out: 52.992+/-0.009 χ^2/NDF:2622934.9/32

All: 52.923+/-0.006 χ^2/NDF: 4818179.7/60

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: -445.291+/-87.957 χ^2/NDF:30.4/13

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 61.795+/-88.939 χ^2/NDF:8.9/11

Left: -194.563+/-62.539 χ^2/NDF: 55.7/25

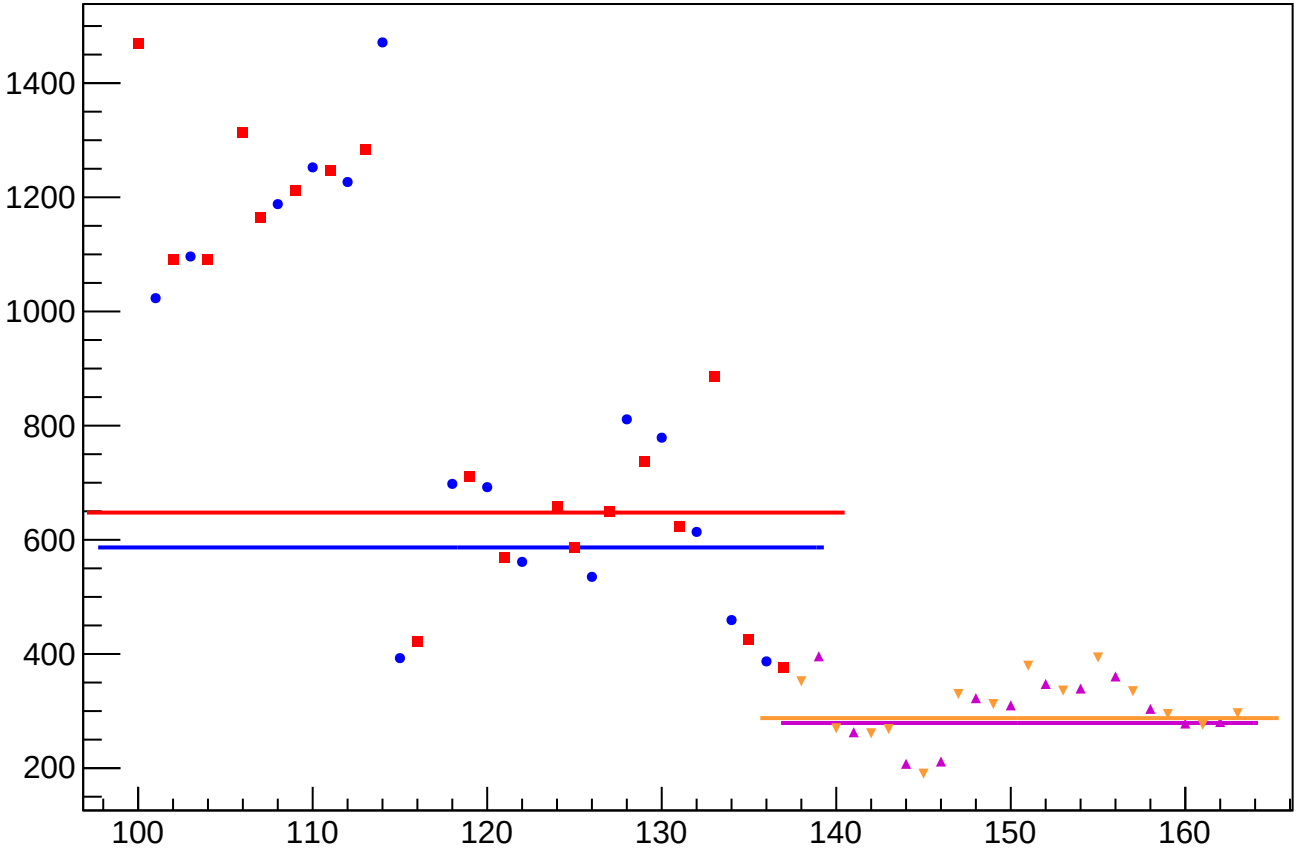
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -8.562+/-83.266 χ^2/NDF:29.6/27

Out: -358.517+/-83.198 χ^2/NDF:51.3/32

All: -183.683+/-58.854 χ^2/NDF: 89.7/60

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 287.699+/-0.062 χ^2/NDF:819650.4/13

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 279.150+/-0.063 χ^2/NDF:802441.3/11

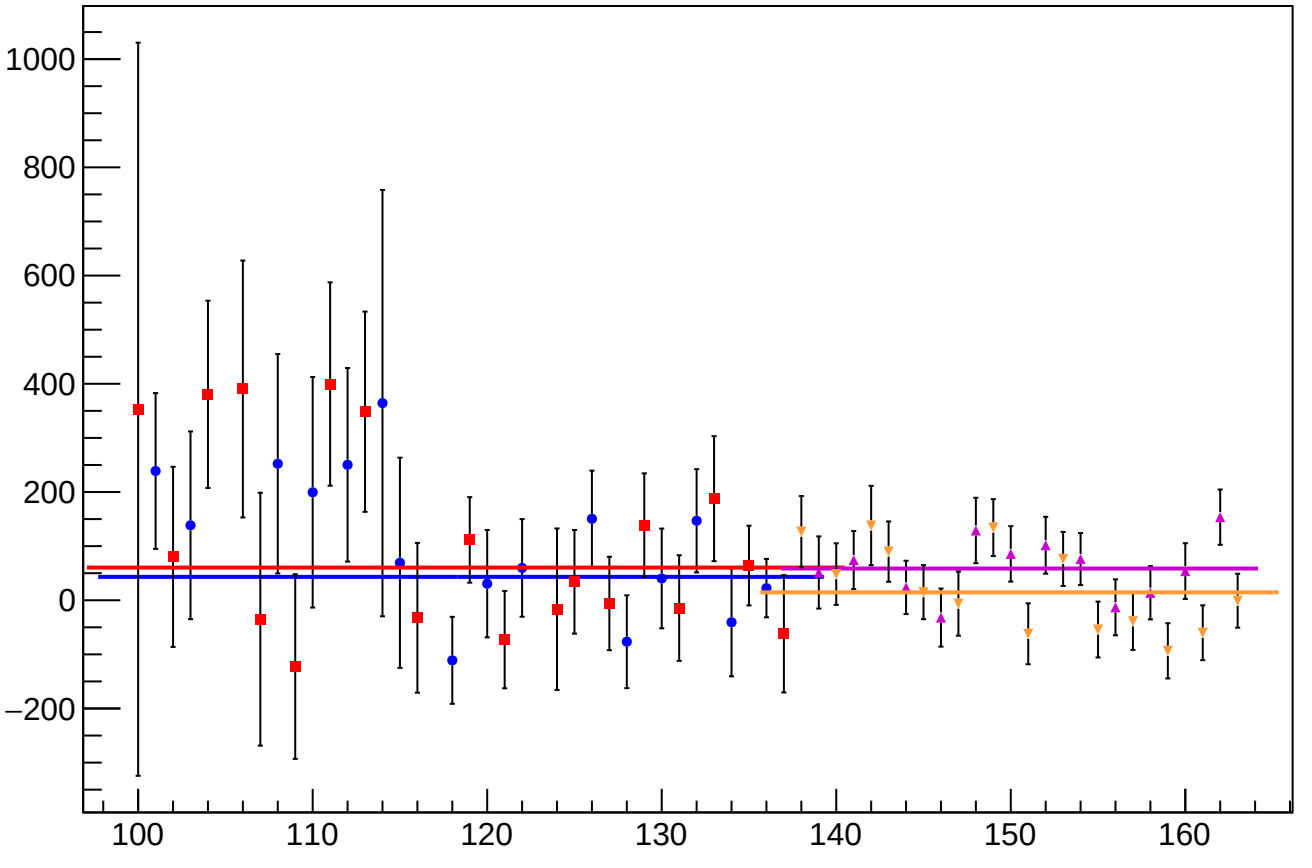
Left: 283.472+/-0.044 χ^2/NDF: 1631432.8/25

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 317.124+/-0.059 χ^2/NDF:5807916.0/27

Out: 325.605+/-0.059 χ^2/NDF:6453456.2/32

All: 321.368+/-0.042 χ^2/NDF: 12271755.6/60



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 58.645+/-15.198 χ^2/NDF:12.1/11

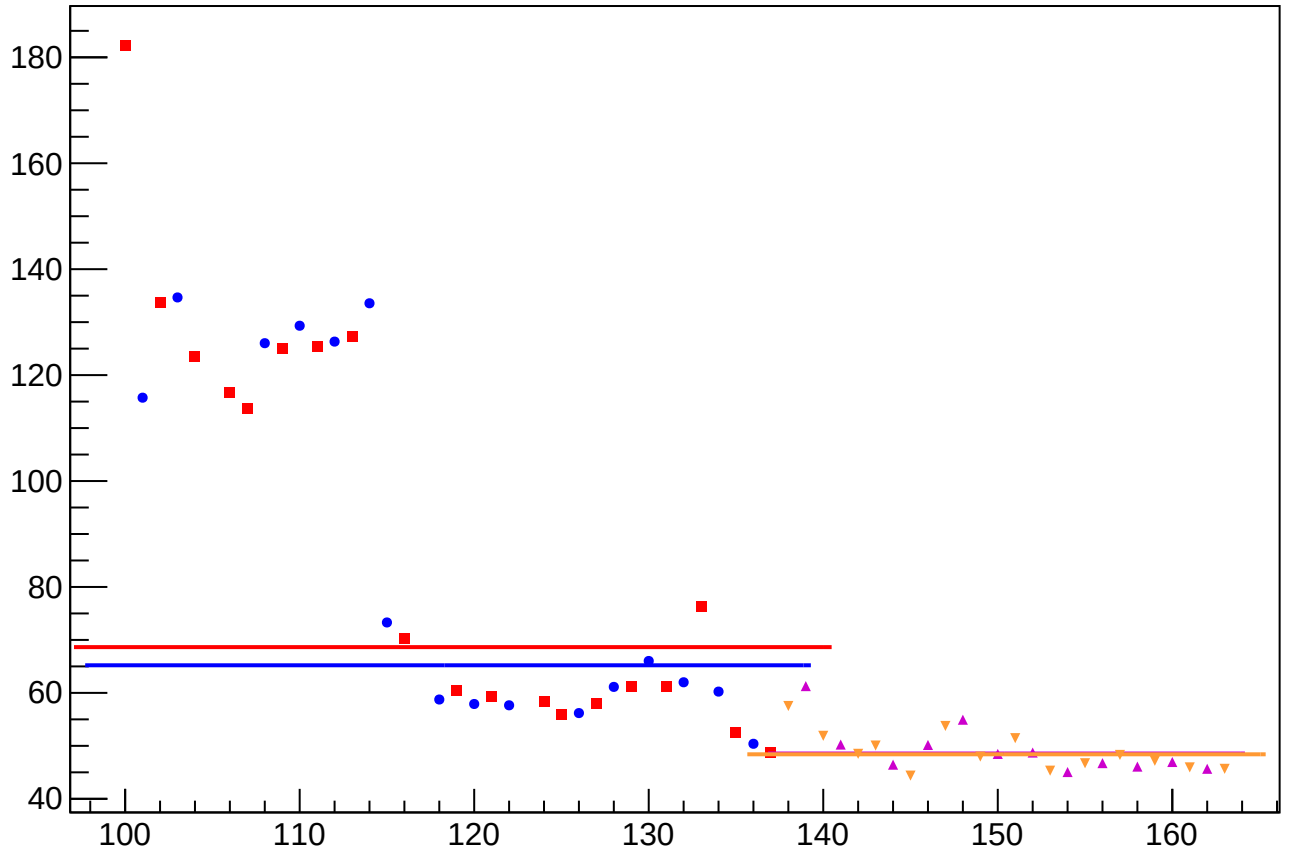
Left: 35.690+/-10.512 χ^2/NDF: 42.6/25

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 54.672+/-13.092 χ^2/NDF:27.3/27

Out: 25.009+/-12.801 χ^2/NDF:48.7/32

All: 39.507+/-9.153 χ^2/NDF: 78.6/60



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.555+/-0.011 χ^2/NDF:129022.4/11

Left: 48.476+/-0.007 χ^2/NDF: 233988.7/25

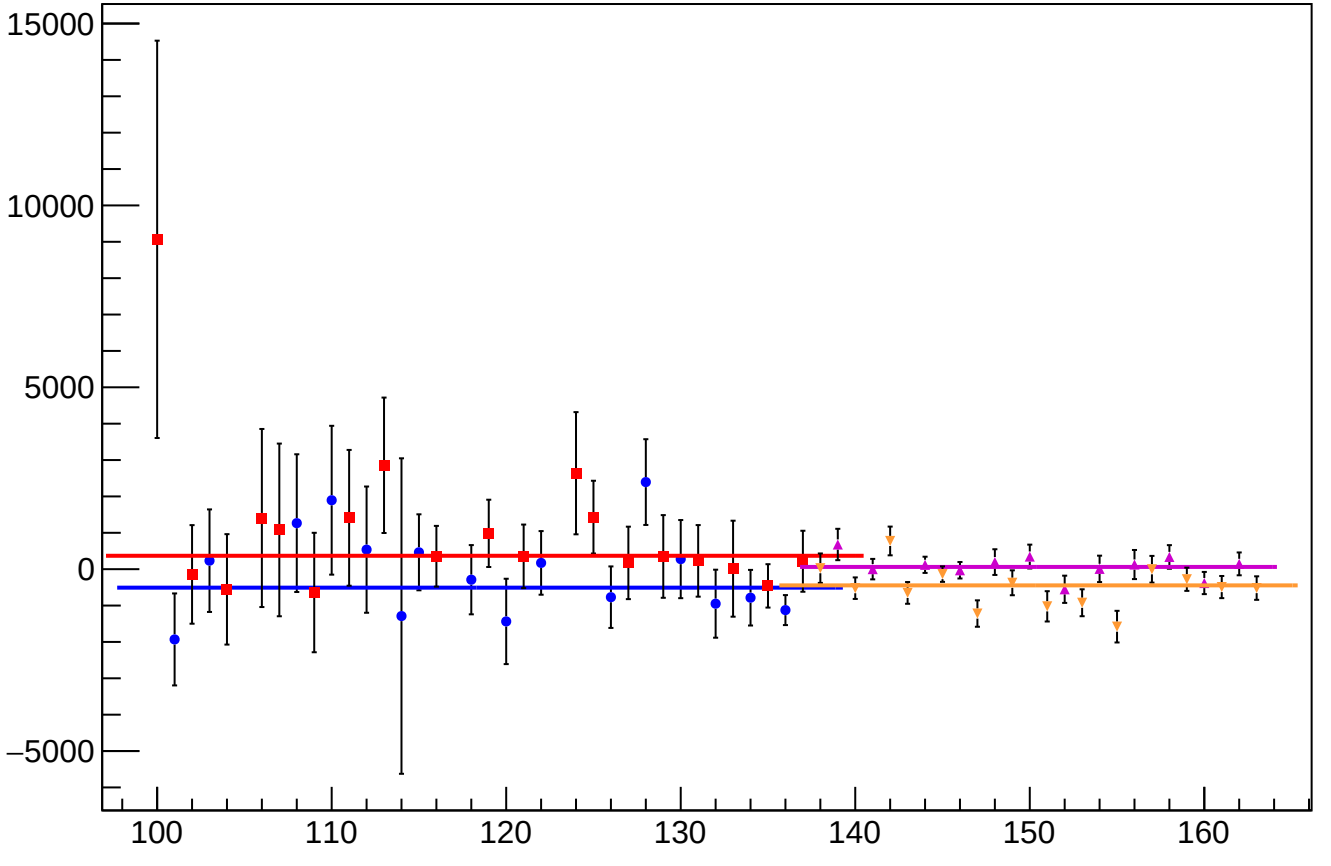
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.851+/-0.009 χ^2/NDF:2195127.8/27

Out: 52.989+/-0.009 χ^2/NDF:2618304.9/32

All: 52.922+/-0.006 χ^2/NDF: 4813546.1/60

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -445.287+/-87.957 χ^2/NDF:30.4/13

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 61.794+/-88.939 χ^2/NDF:8.9/11

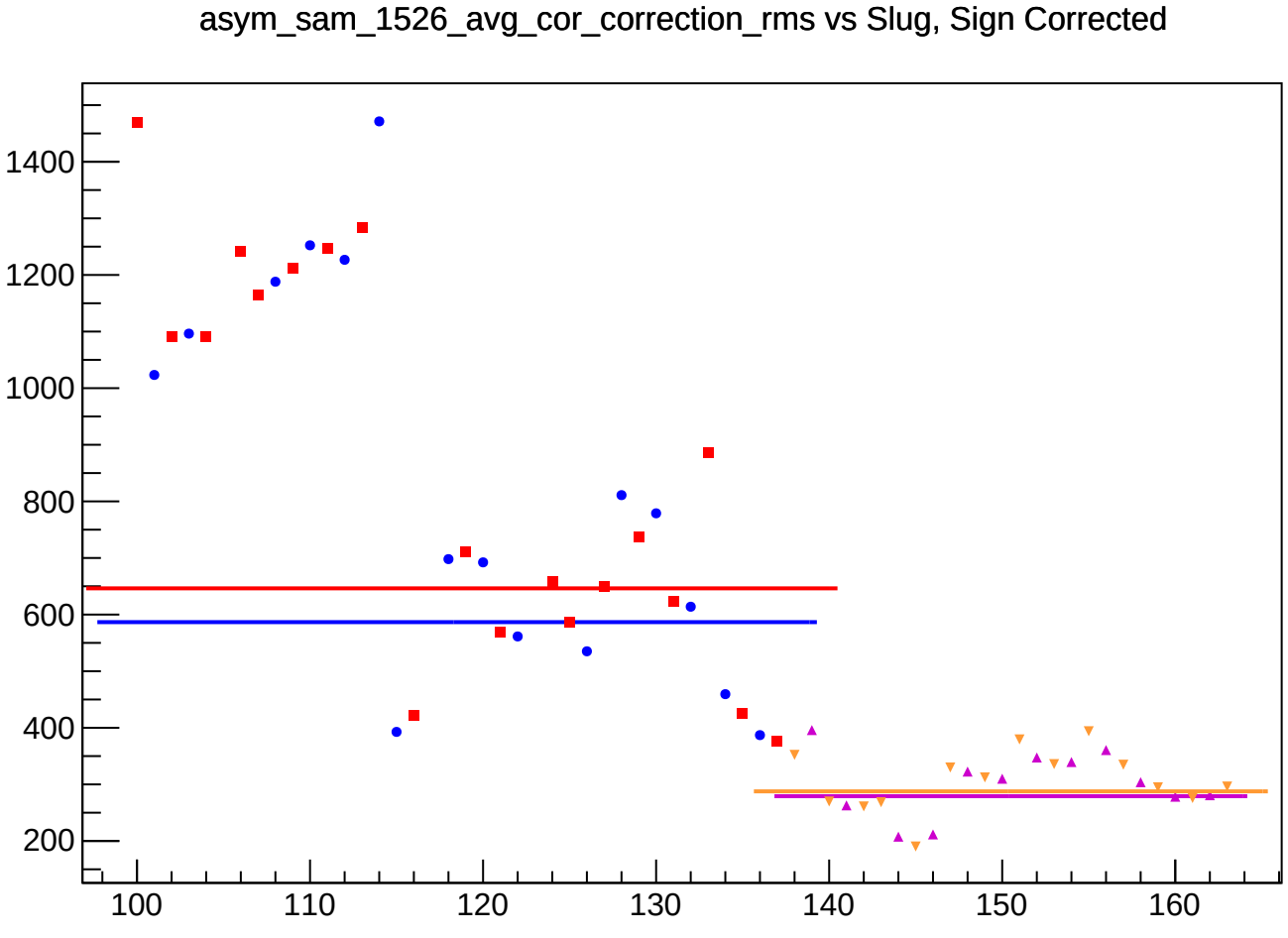
Left: -194.561+/-62.539 χ^2/NDF: 55.7/25

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -8.561+/-83.266 χ^2/NDF:29.6/27

Out: -359.701+/-83.202 χ^2/NDF:50.7/32

All: -184.266+/-58.856 χ^2/NDF: 89.1/60



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.150+/-0.063 χ^2/NDF:802436.5/11

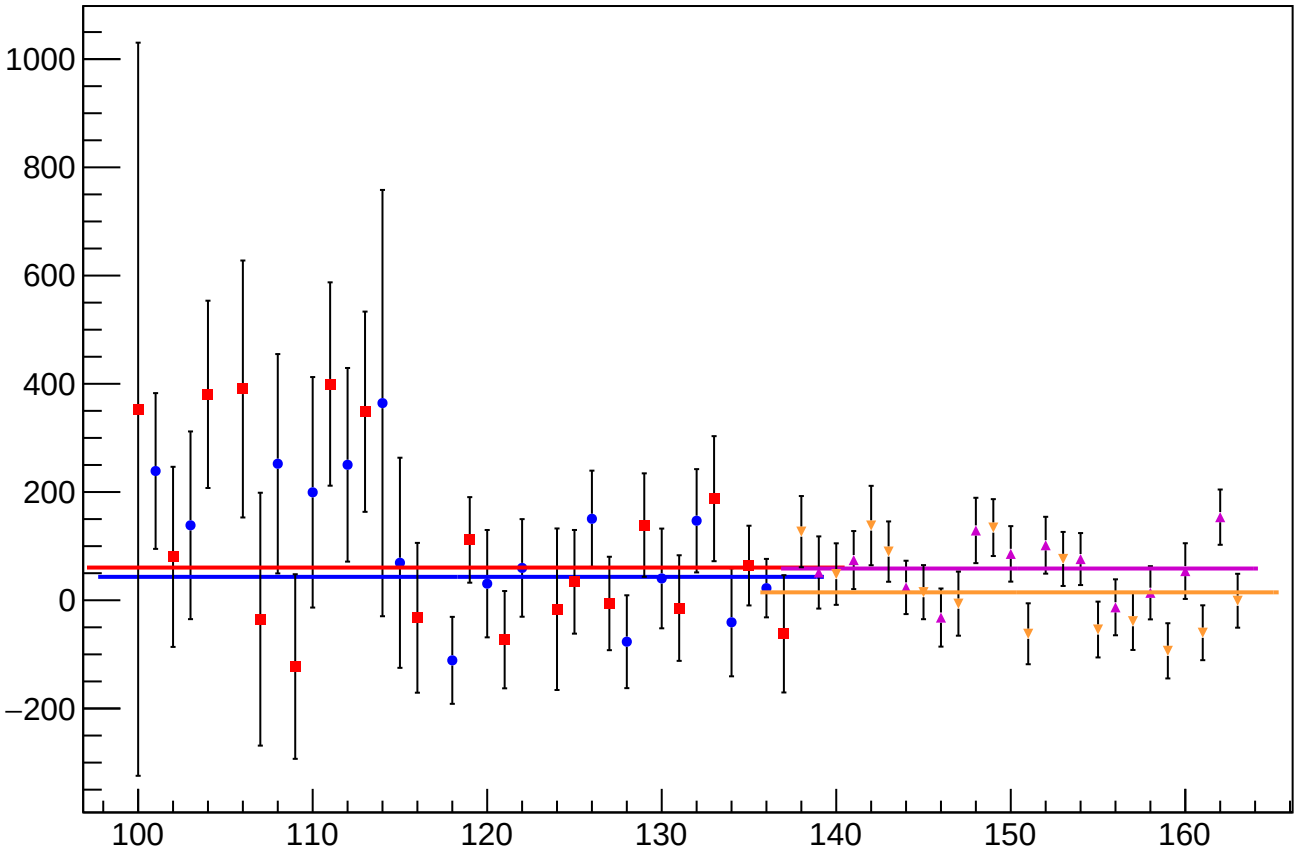
Left: 283.472+/-0.044 χ^2/NDF: 1631431.9/25

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 317.124+/-0.059 χ^2/NDF:5807933.3/27

Out: 325.424+/-0.059 χ^2/NDF:6380369.3/32

All: 321.277+/-0.042 χ^2/NDF: 12198245.3/60



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 14.633+/-14.556 χ^2/NDF:26.1/13

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 58.645+/-15.198 χ^2/NDF:12.1/11

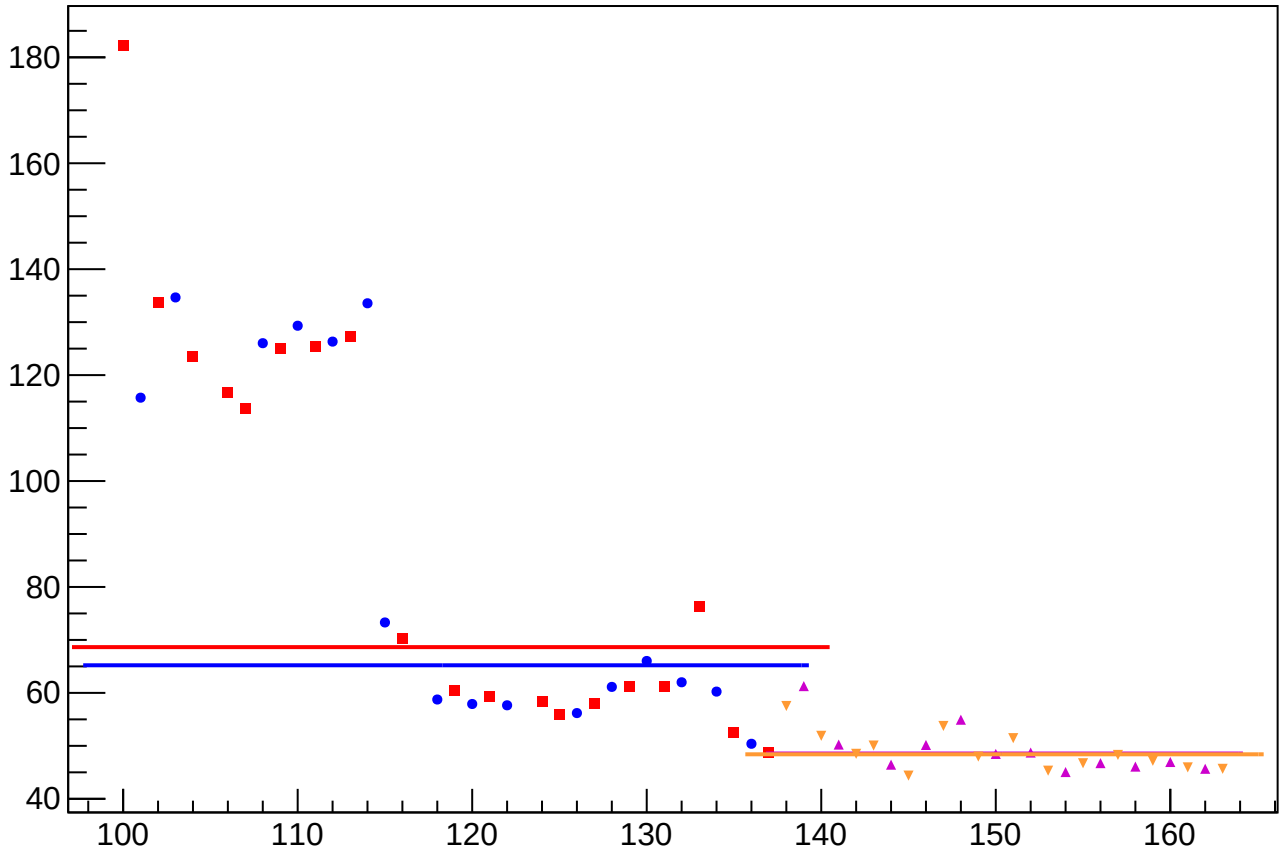
Left: 35.690+/-10.512 χ^2/NDF: 42.6/25

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 54.672+/-13.092 χ^2/NDF:27.3/27

Out: 25.009+/-12.801 χ^2/NDF:48.7/32

All: 39.507+/-9.153 χ^2/NDF: 78.6/60



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 48.404+/-0.010 χ^2/NDF:104862.9/13

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 48.555+/-0.011 χ^2/NDF:129022.4/11

Left: 48.476+/-0.007 χ^2/NDF: 233988.7/25

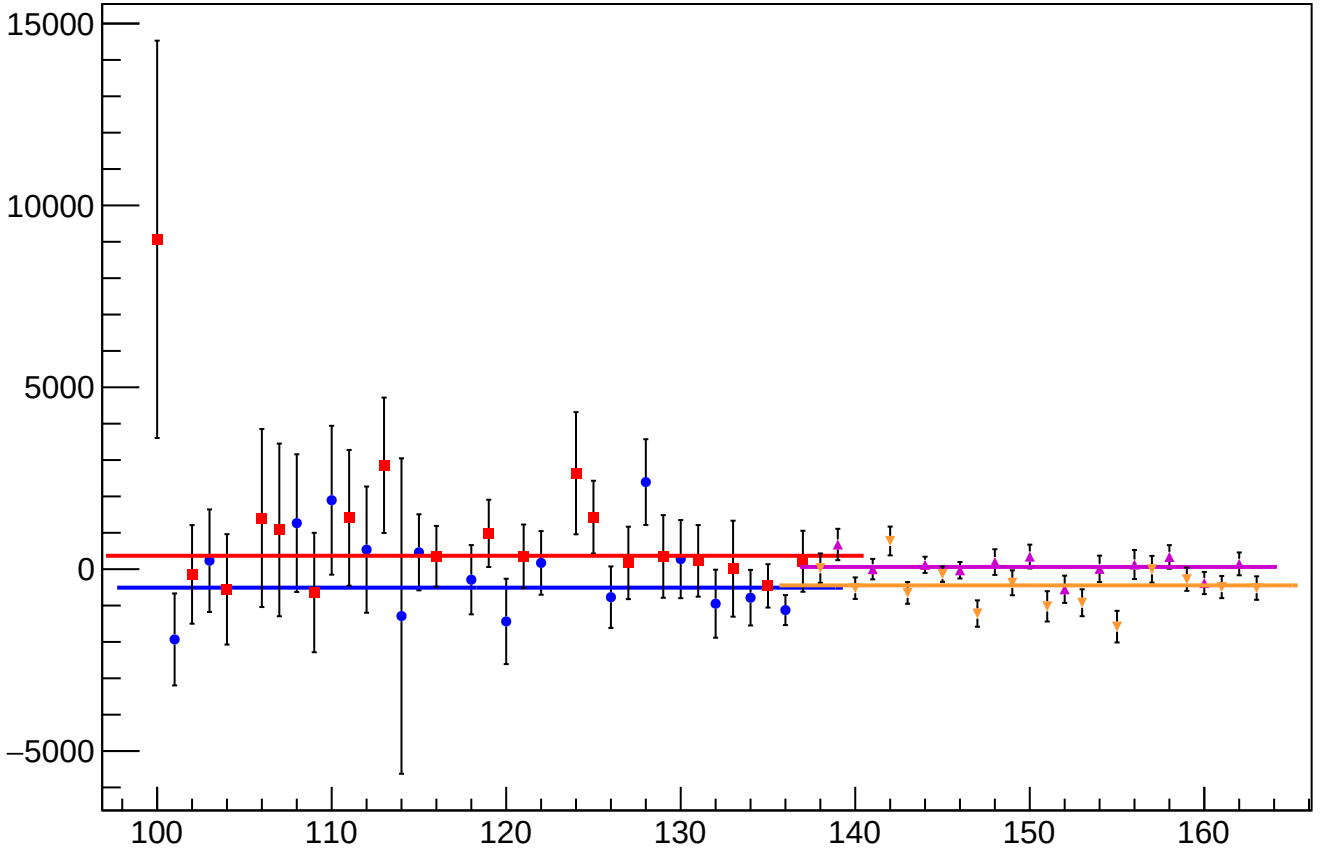
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 52.851+/-0.009 χ^2/NDF:2195127.8/27

Out: 52.989+/-0.009 χ^2/NDF:2618304.9/32

All: 52.922+/-0.006 χ^2/NDF: 4813546.1/60

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: -445.287+/-87.957 χ^2/NDF:30.4/13

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 61.794+/-88.939 χ^2/NDF:8.9/11

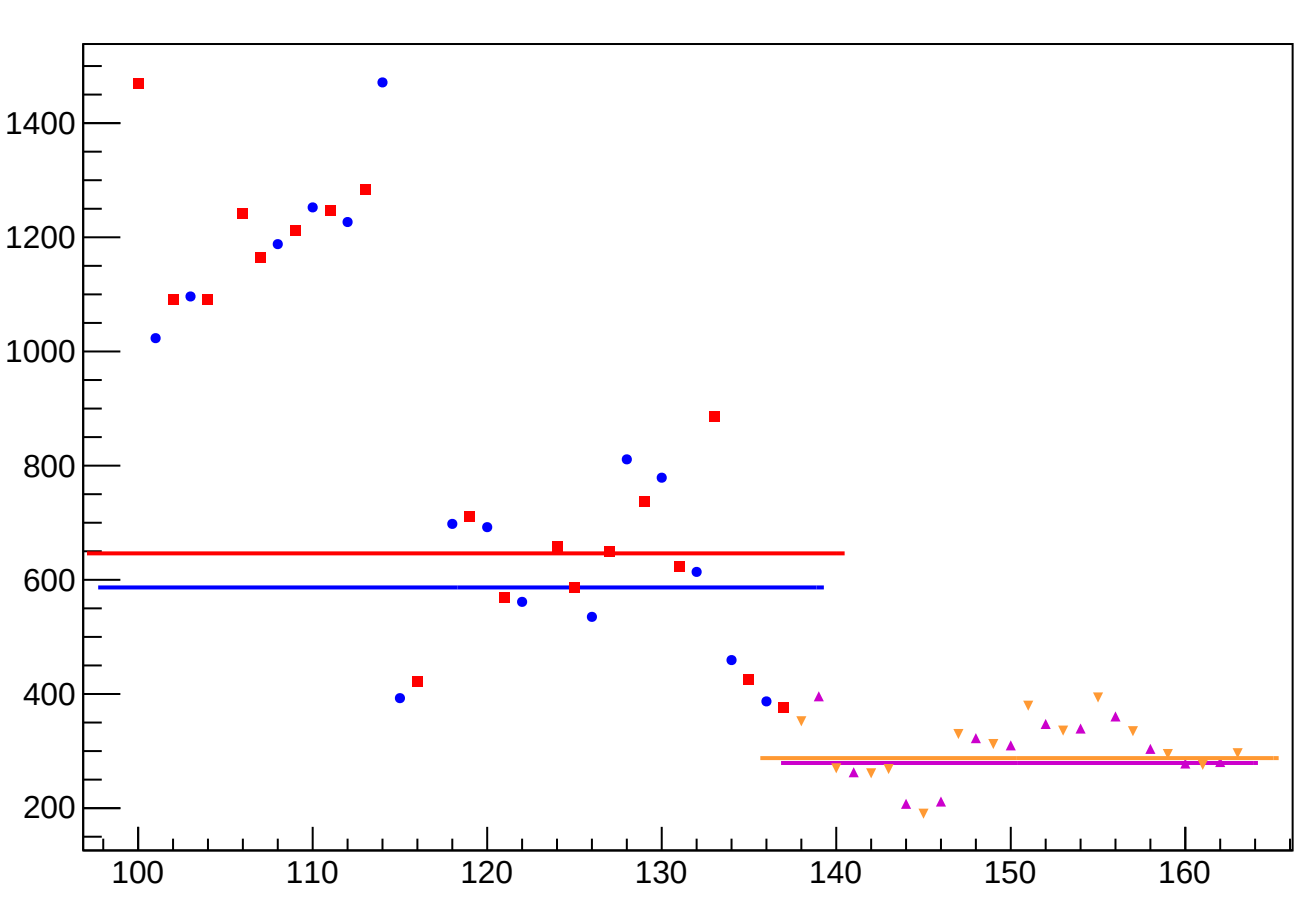
Left: -194.561+/-62.539 χ^2/NDF: 55.7/25

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -8.561+/-83.266 χ^2/NDF:29.6/27

Out: -359.701+/-83.202 χ^2/NDF:50.7/32

All: -184.266+/-58.856 χ^2/NDF: 89.1/60



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 287.699+/-0.062 χ^2/NDF:819654.7/13

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 279.150+/-0.063 χ^2/NDF:802436.5/11

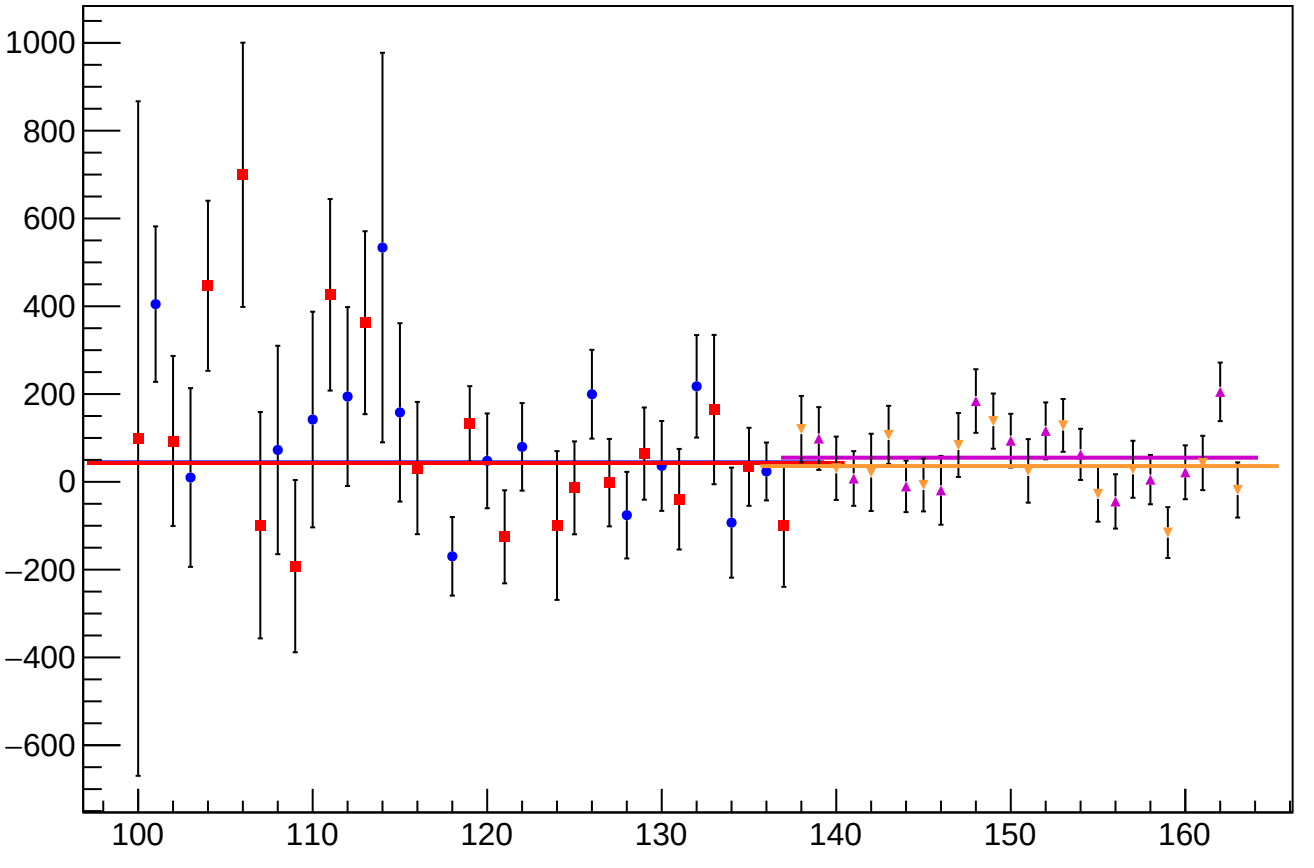
Left: 283.472+/-0.044 χ^2/NDF: 1631431.9/25

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 317.124+/-0.059 χ^2/NDF:5807933.3/27

Out: 325.424+/-0.059 χ^2/NDF:6380369.3/32

All: 321.277+/-0.042 χ^2/NDF: 12198245.3/60



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 55.093+/-18.368 χ^2/NDF:16.3/11

Left: 45.161+/-12.731 χ^2/NDF: 33.9/25

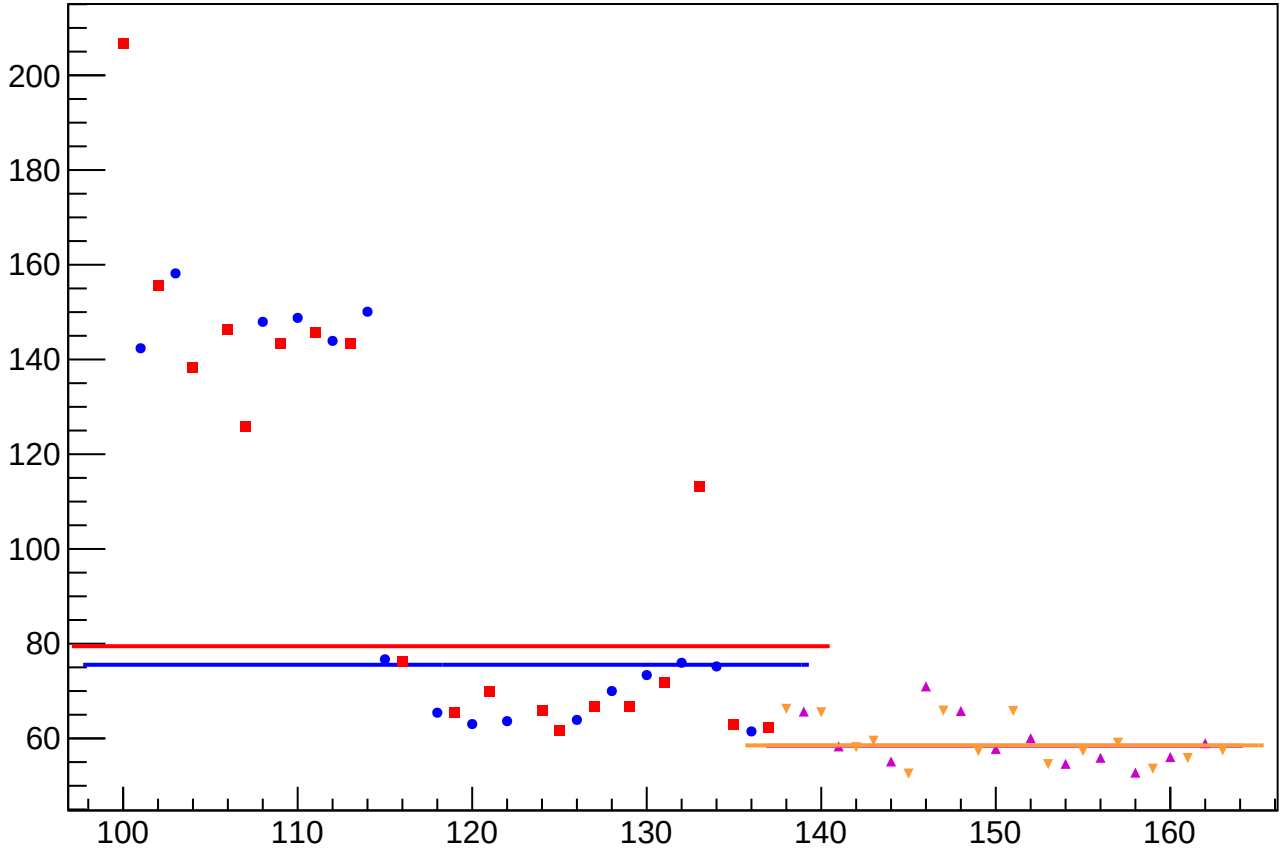
Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 52.161+/-15.652 χ^2/NDF:36.0/27

Out: 37.654+/-15.375 χ^2/NDF:40.3/32

All: 44.778+/-10.968 χ^2/NDF: 76.8/60

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 58.529+/-0.012 χ^2/NDF:128974.4/13

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 58.442+/-0.013 χ^2/NDF:135201.4/11

Left: 58.487+/-0.009 χ^2/NDF: 264199.2/25

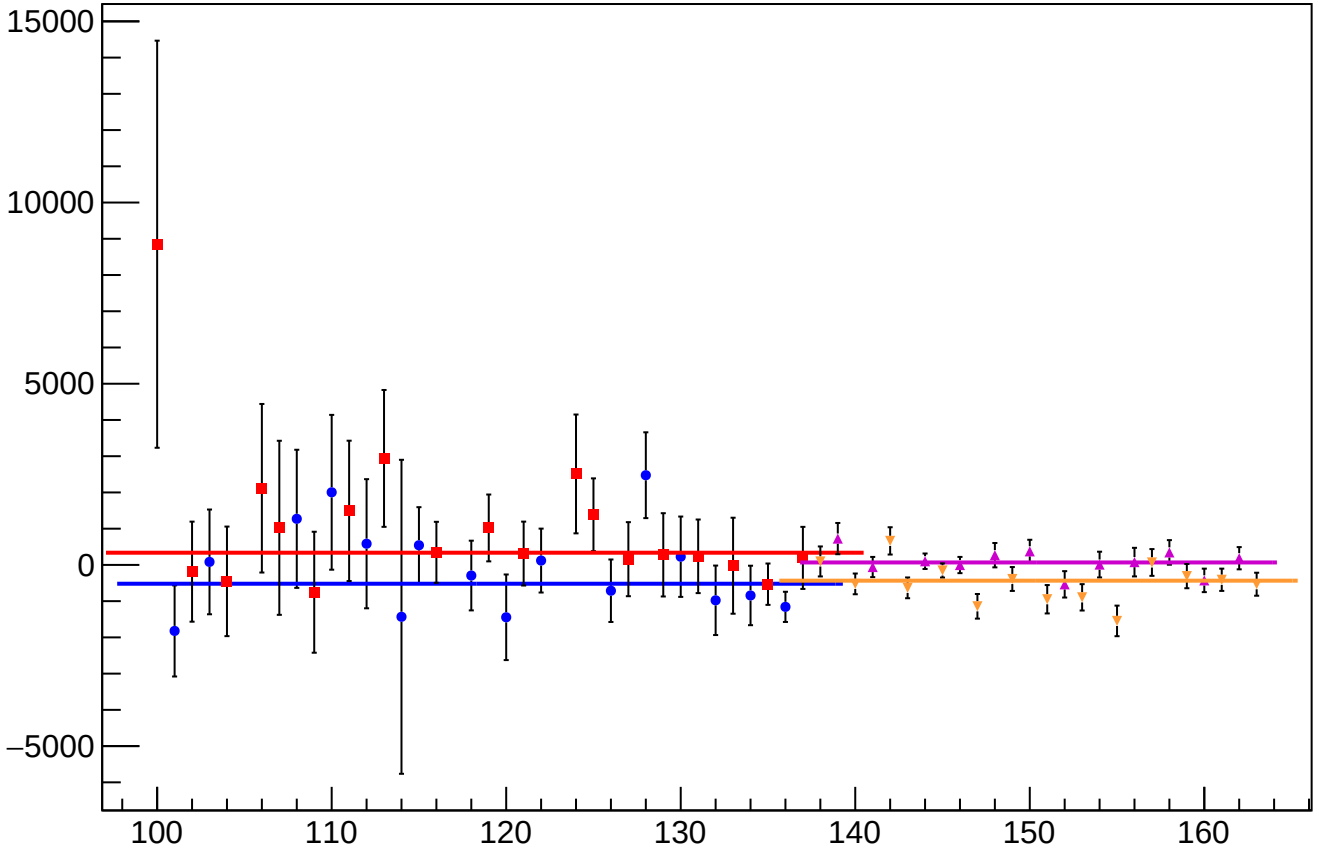
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 63.126+/-0.011 χ^2/NDF:2075624.2/27

Out: 63.597+/-0.011 χ^2/NDF:2493069.4/32

All: 63.366+/-0.008 χ^2/NDF: 4569618.5/60

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: -434.817+/-85.252 χ^2/NDF:29.5/13

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 67.920+/-87.871 χ^2/NDF:9.9/11

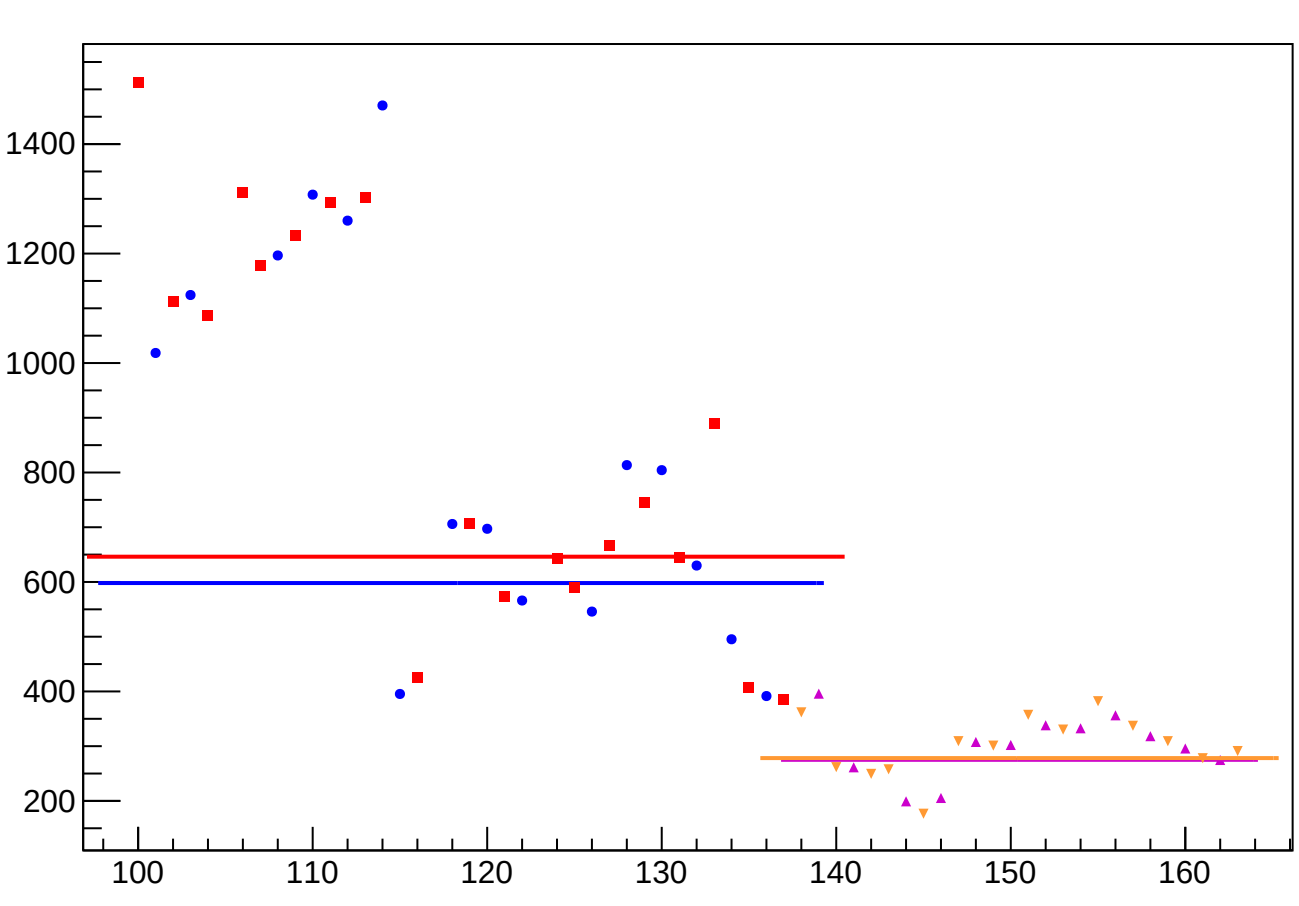
Left: -191.053+/-61.187 χ^2/NDF: 56.2/25

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -0.819+/-82.567 χ^2/NDF:30.9/27

Out: -358.129+/-80.904 χ^2/NDF:49.5/32

All: -183.110+/-57.787 χ^2/NDF: 90.0/60



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 278.223+/-0.060 χ^2/NDF:987907.2/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 275.072+/-0.062 χ^2/NDF:880108.6/11

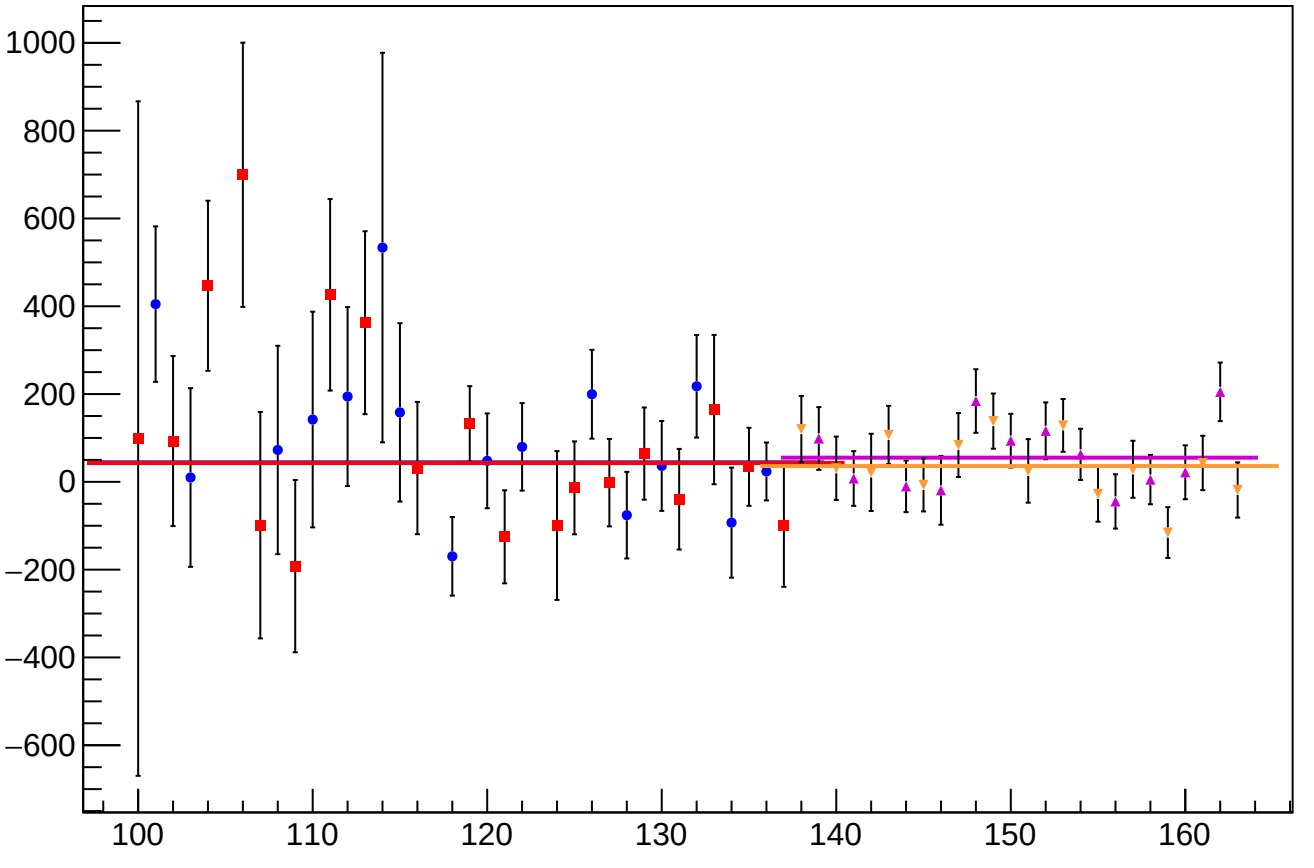
Left: 276.695+/-0.043 χ^2/NDF: 1869340.1/25

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 312.882+/-0.058 χ^2/NDF:6091025.4/27

Out: 314.797+/-0.057 χ^2/NDF:6896820.7/32

All: 313.859+/-0.041 χ^2/NDF: 12988394.8/60



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 35.979+/-17.661 χ^2/NDF:17.0/13

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 55.092+/-18.368 χ^2/NDF:16.3/11

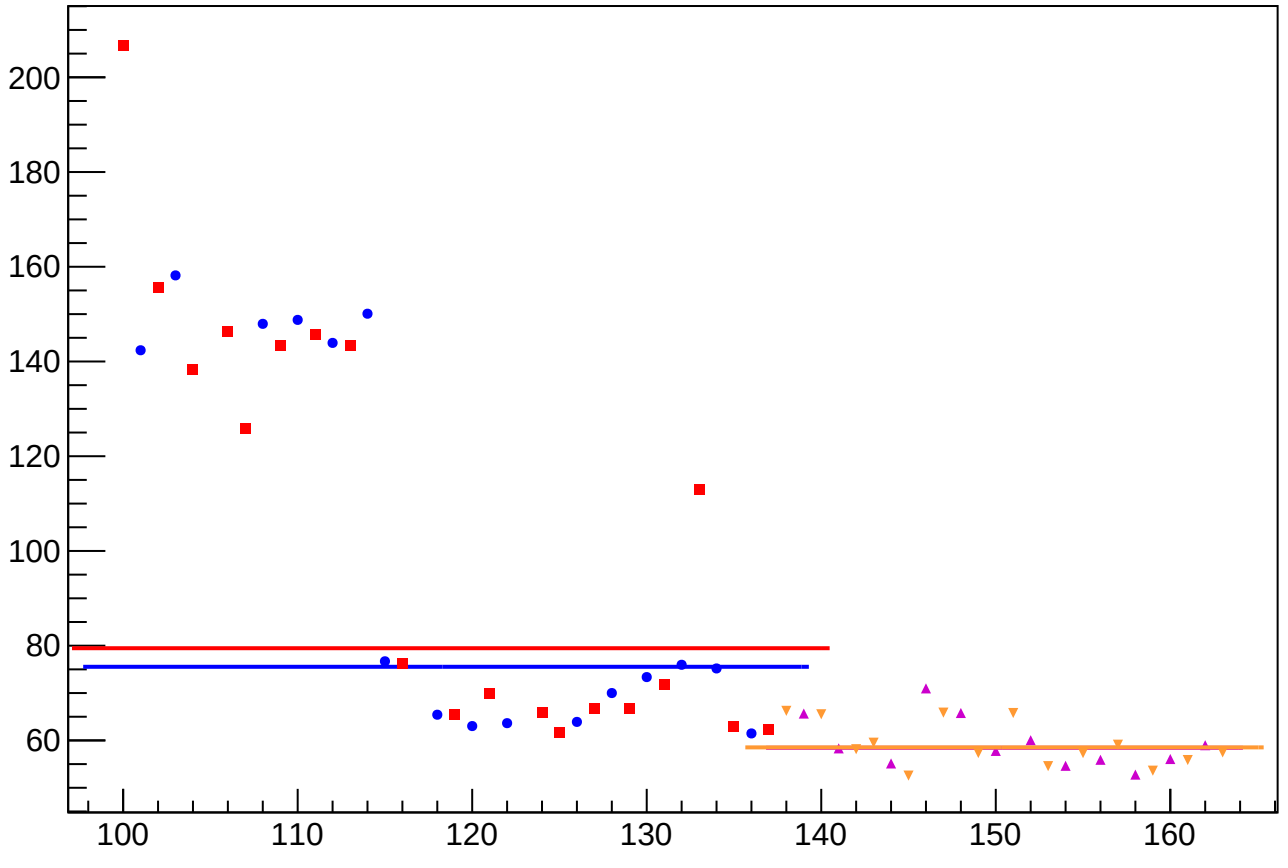
Left: 45.160+/-12.731 χ^2/NDF: 33.9/25

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 52.160+/-15.652 χ^2/NDF:36.0/27

Out: 37.655+/-15.375 χ^2/NDF:40.3/32

All: 44.778+/-10.968 χ^2/NDF: 76.8/60



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 58.529+/-0.012 χ^2/NDF:128975.0/13

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 58.442+/-0.013 χ^2/NDF:135206.3/11

Left: 58.487+/-0.009 χ^2/NDF: 264204.7/25

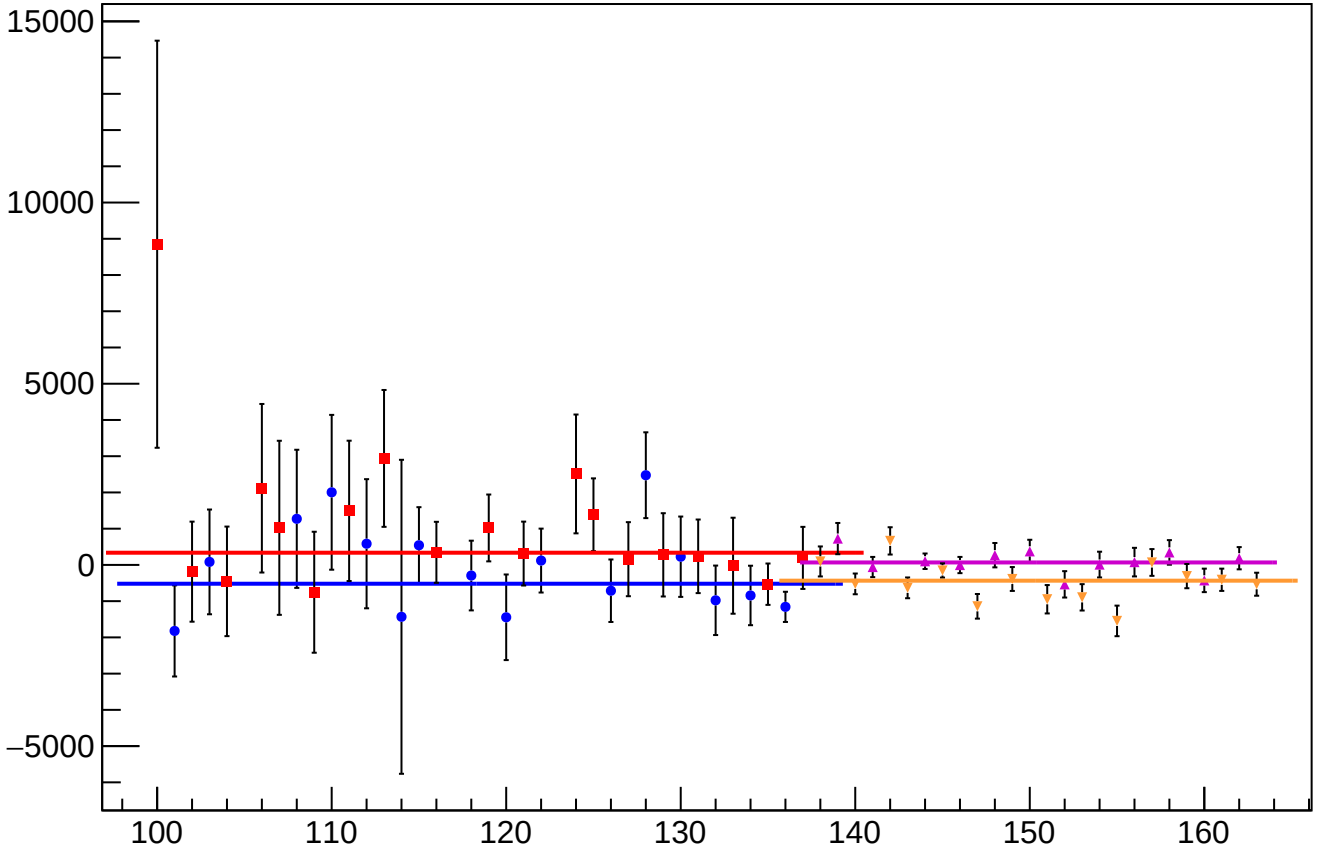
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 63.126+/-0.011 χ^2/NDF:2075590.8/27

Out: 63.598+/-0.011 χ^2/NDF:2493037.6/32

All: 63.366+/-0.008 χ^2/NDF: 4569553.3/60

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: -434.817+/-85.251 χ^2/NDF:29.5/13

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 67.920+/-87.871 χ^2/NDF:9.9/11

Left: -191.053+/-61.187 χ^2/NDF: 56.2/25

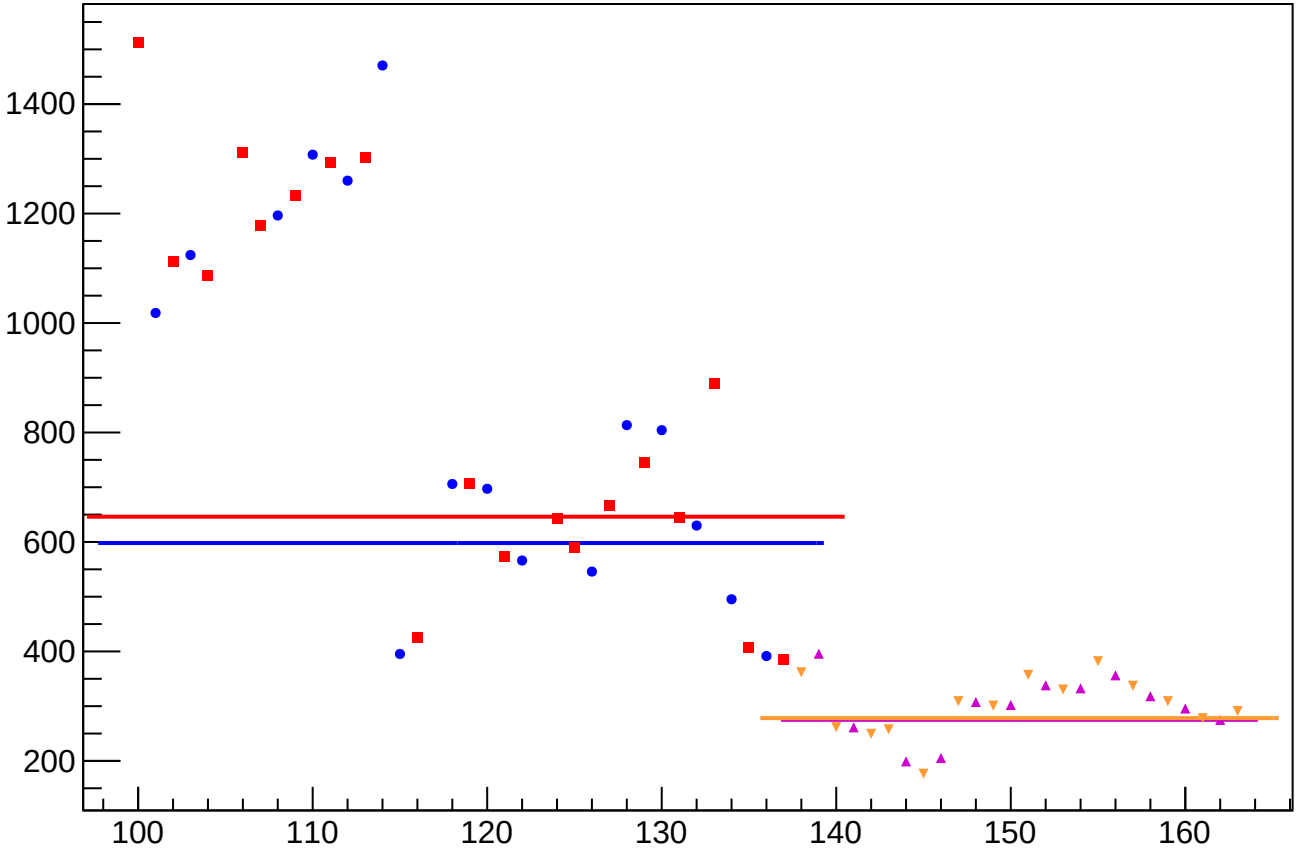
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -0.819+/-82.567 χ^2/NDF:30.9/27

Out: -358.129+/-80.904 χ^2/NDF:49.5/32

All: -183.109+/-57.787 χ^2/NDF: 90.0/60

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 278.222+/-0.060 χ^2/NDF:987915.0/13

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 275.072+/-0.062 χ^2/NDF:880106.0/11

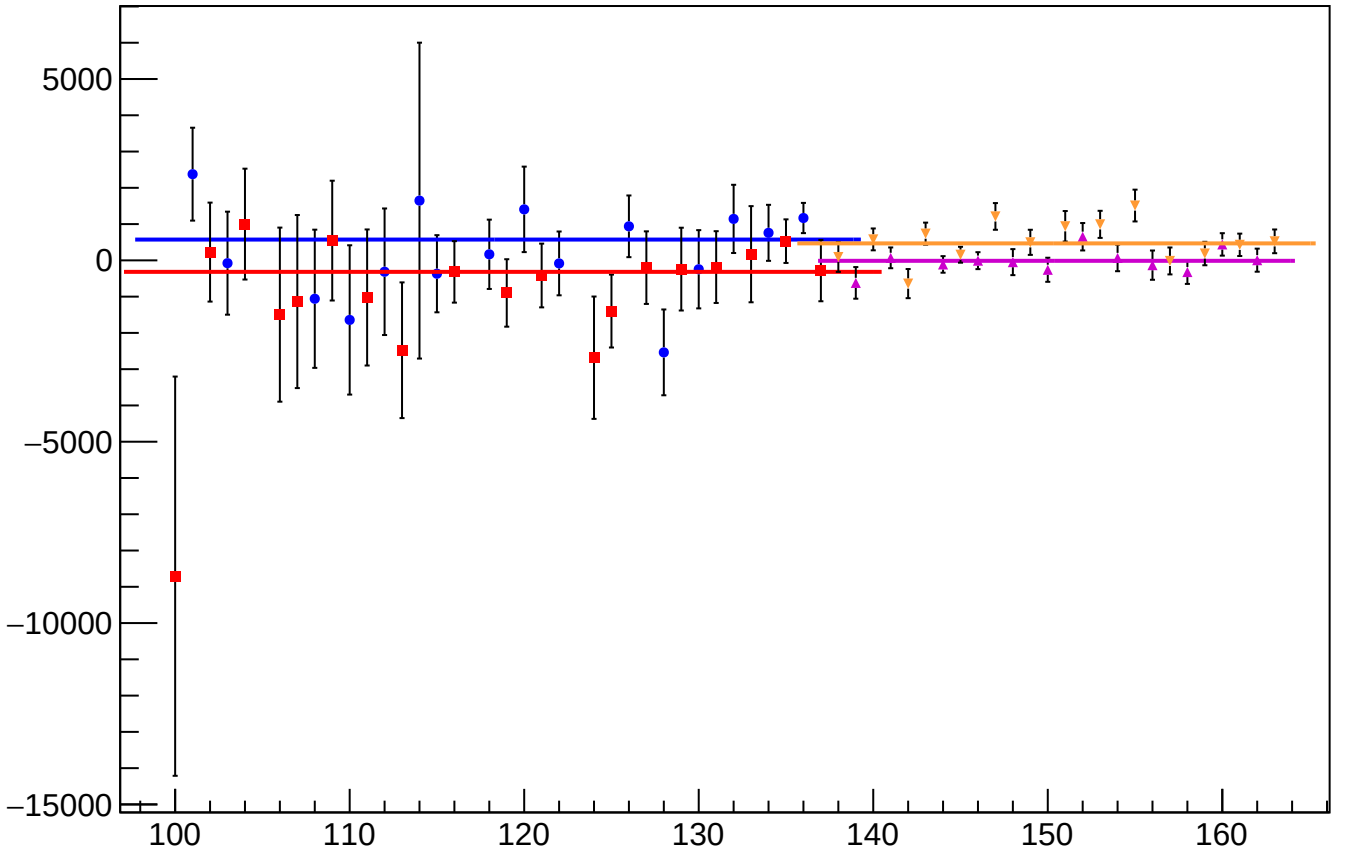
Left: 276.695+/-0.043 χ^2/NDF: 1869345.2/25

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 312.882+/-0.058 χ^2/NDF:6091012.3/27

Out: 314.796+/-0.057 χ^2/NDF:6896823.7/32

All: 313.859+/-0.041 χ^2/NDF: 12988384.5/60



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 467.953+/-89.354 χ^2/NDF:26.9/13

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -12.620+/-90.529 χ^2/NDF:9.0/11

Left: 230.808+/-63.594 χ^2/NDF: 50.2/25

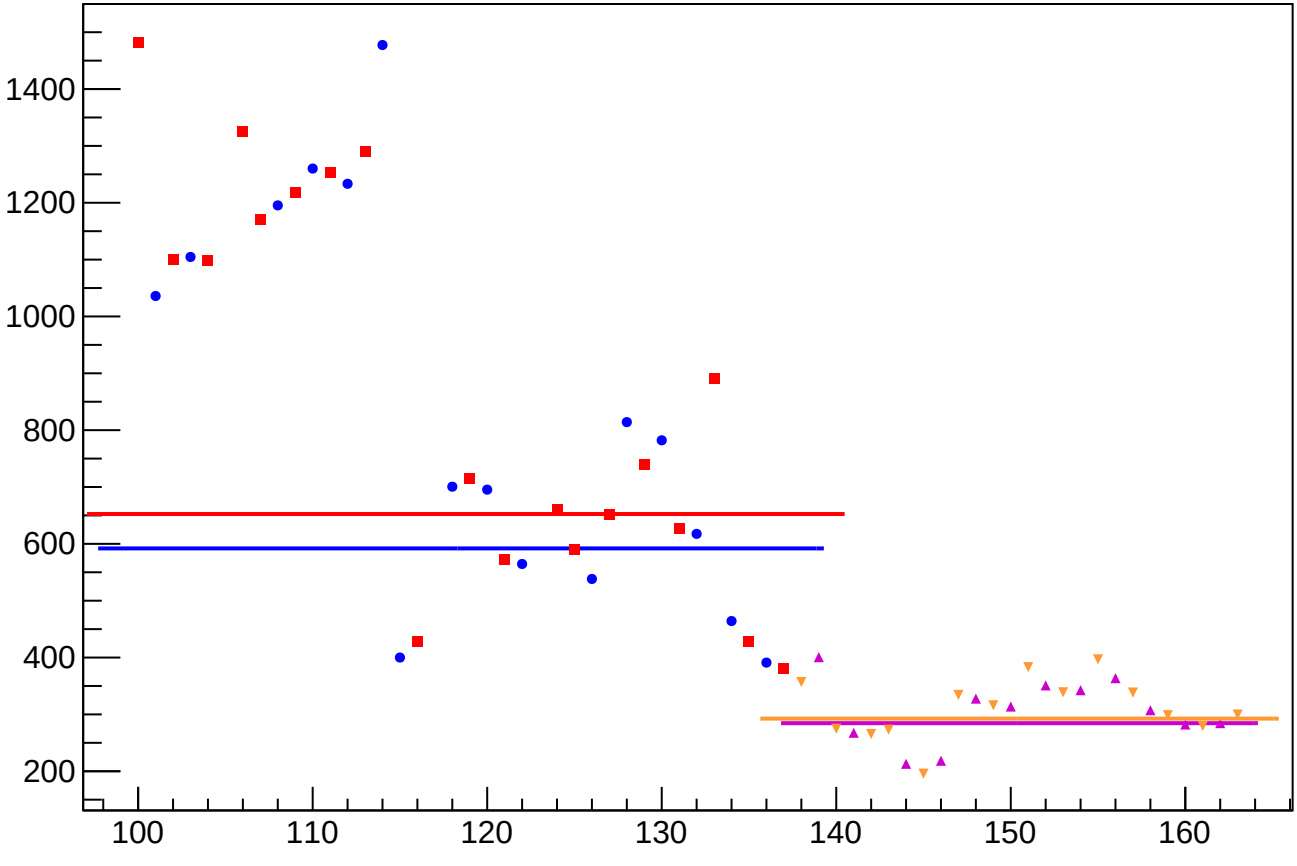
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 60.950+/-84.656 χ^2/NDF:30.9/27

Out: 384.042+/-84.442 χ^2/NDF:46.2/32

All: 222.906+/-59.785 χ^2/NDF: 84.3/60

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 292.603+/-0.063 χ^2/NDF:772242.9/13

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 284.565+/-0.064 χ^2/NDF:747474.1/11

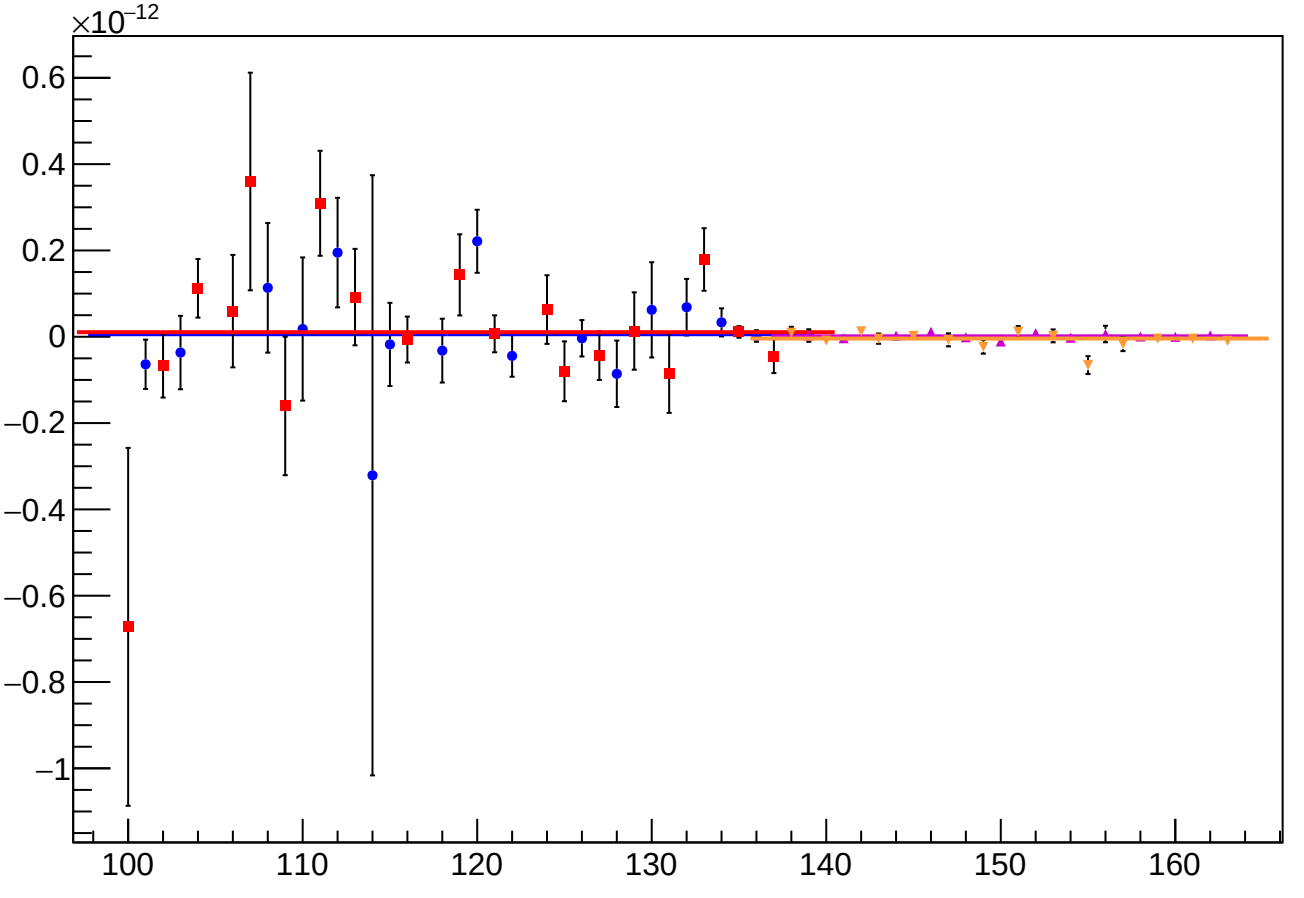
Left: 288.636+/-0.045 χ^2/NDF: 1527703.1/25

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 323.159+/-0.060 χ^2/NDF:5678454.8/27

Out: 331.080+/-0.060 χ^2/NDF:6330671.9/32

All: 327.129+/-0.042 χ^2/NDF: 12017902.2/60



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/11

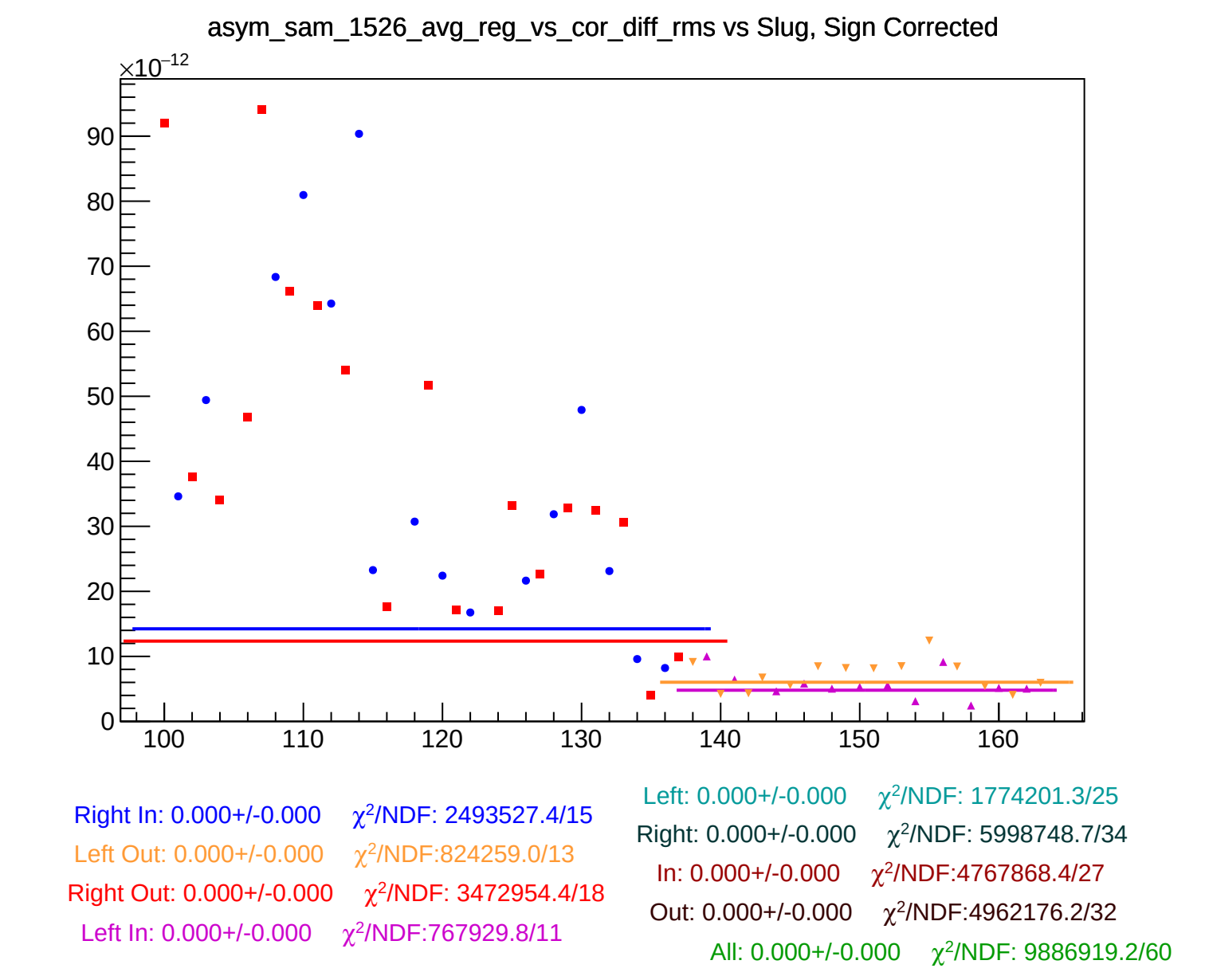
Left: -0.000+/-0.000 χ^2/NDF: 22.1/25

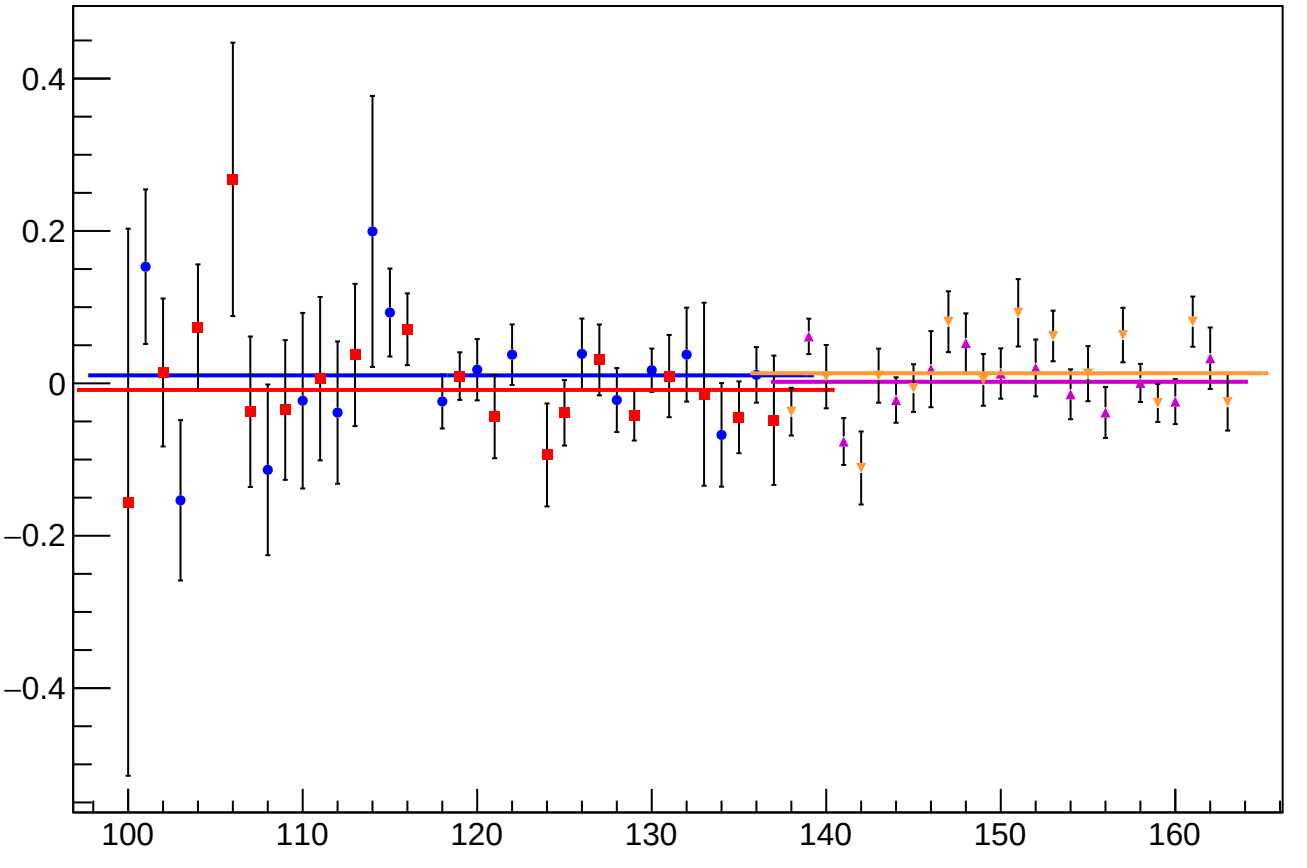
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:22.1/27

Out: -0.000+/-0.000 χ^2/NDF:48.2/32

All: -0.000+/-0.000 χ^2/NDF: 71.5/60


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:824259.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:767929.8/11
Left: 0.000+/-0.000 χ²/NDF: 1774201.3/25
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4767868.4/27
Out: 0.000+/-0.000 χ²/NDF:4962176.2/32
All: 0.000+/-0.000 χ²/NDF: 9886919.2/60



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.009 χ^2/NDF:18.9/11

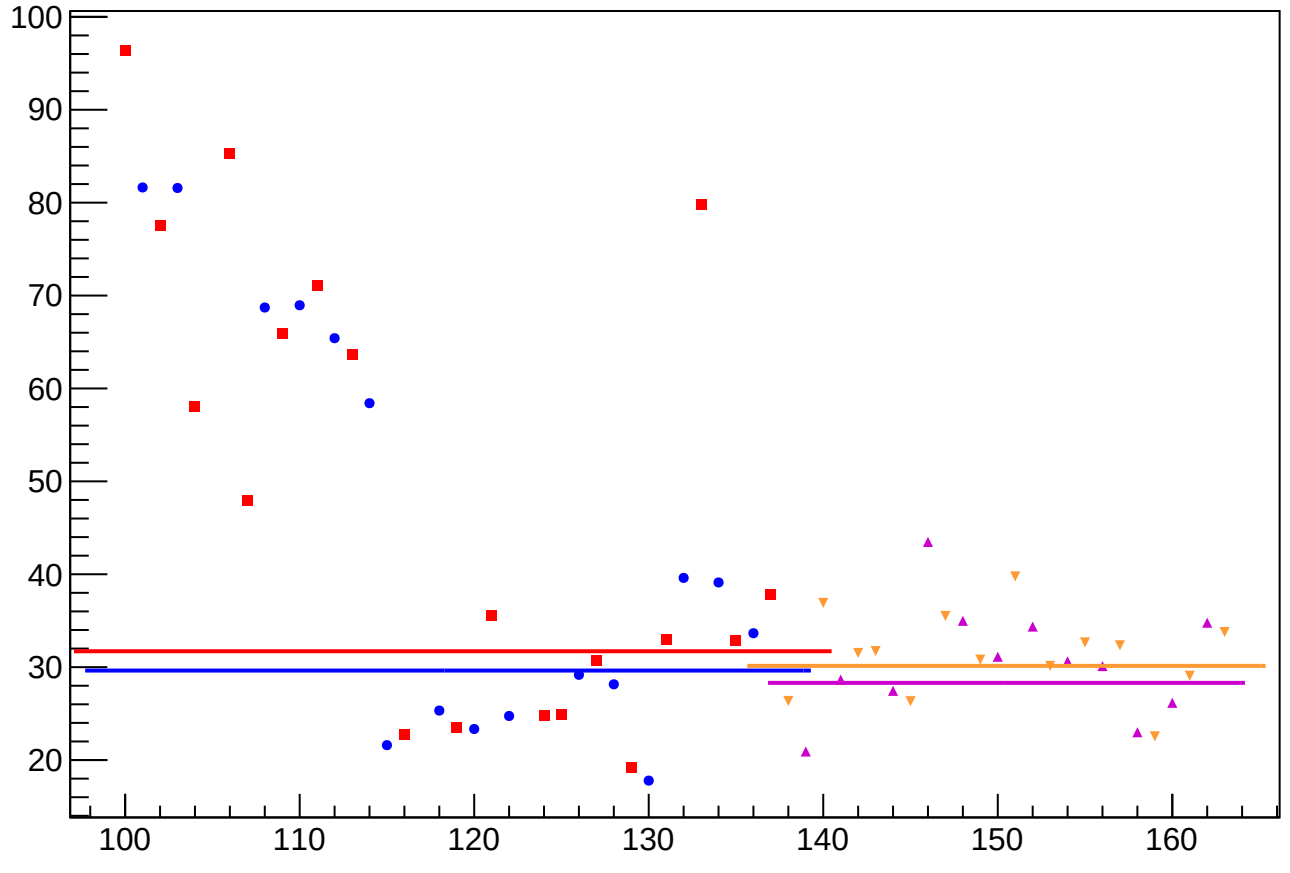
Left: 0.008+/-0.007 χ^2/NDF: 47.4/25

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.007 χ^2/NDF:32.3/27

Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 74.4/60



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.139+/-0.007 χ^2/NDF:473467.1/13

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.311+/-0.006 χ^2/NDF:682618.5/11

Left: 29.212+/-0.005 χ^2/NDF: 1195302.9/25

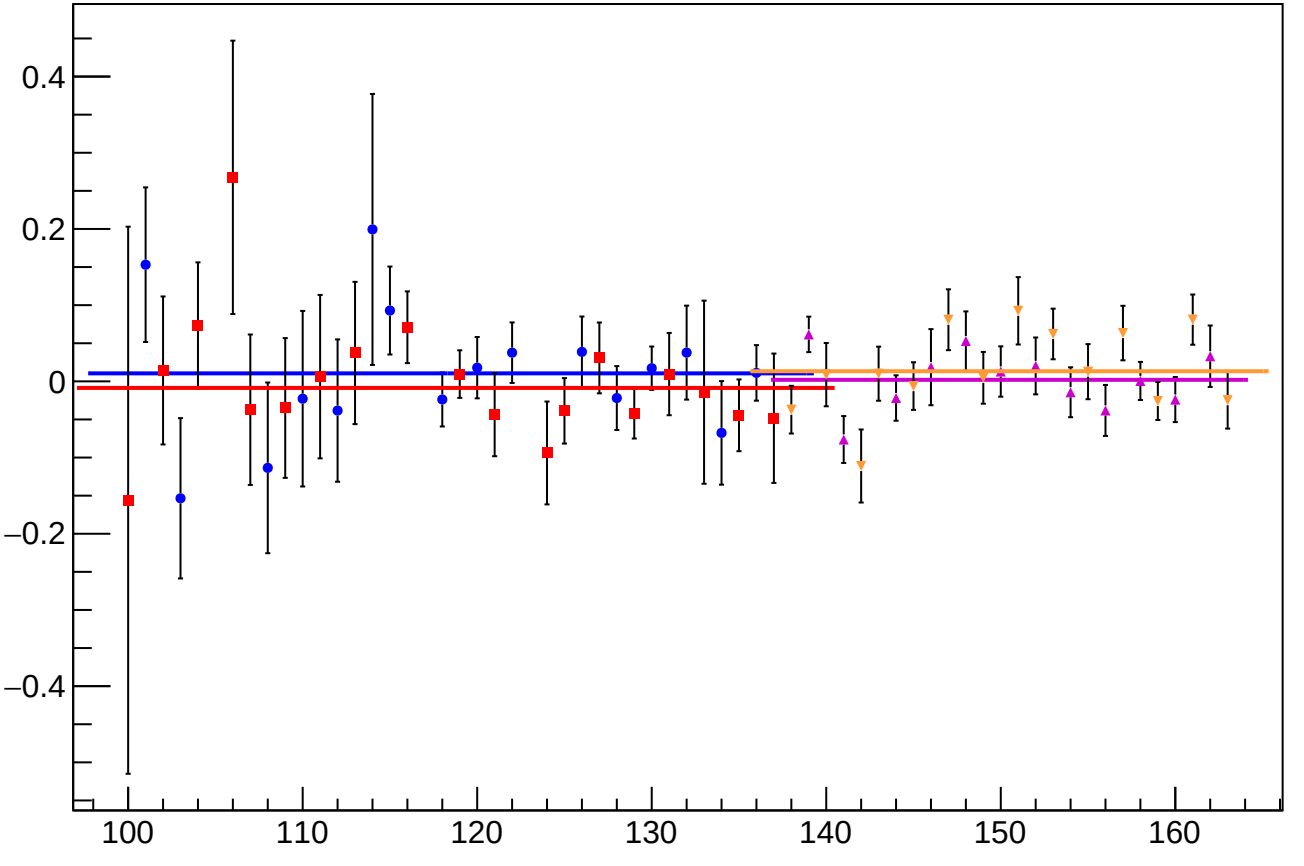
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.771+/-0.005 χ^2/NDF:3145589.0/27

Out: 30.659+/-0.005 χ^2/NDF:3143843.3/32

All: 29.689+/-0.004 χ^2/NDF: 6352677.1/60

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: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.009 χ^2/NDF:18.9/11

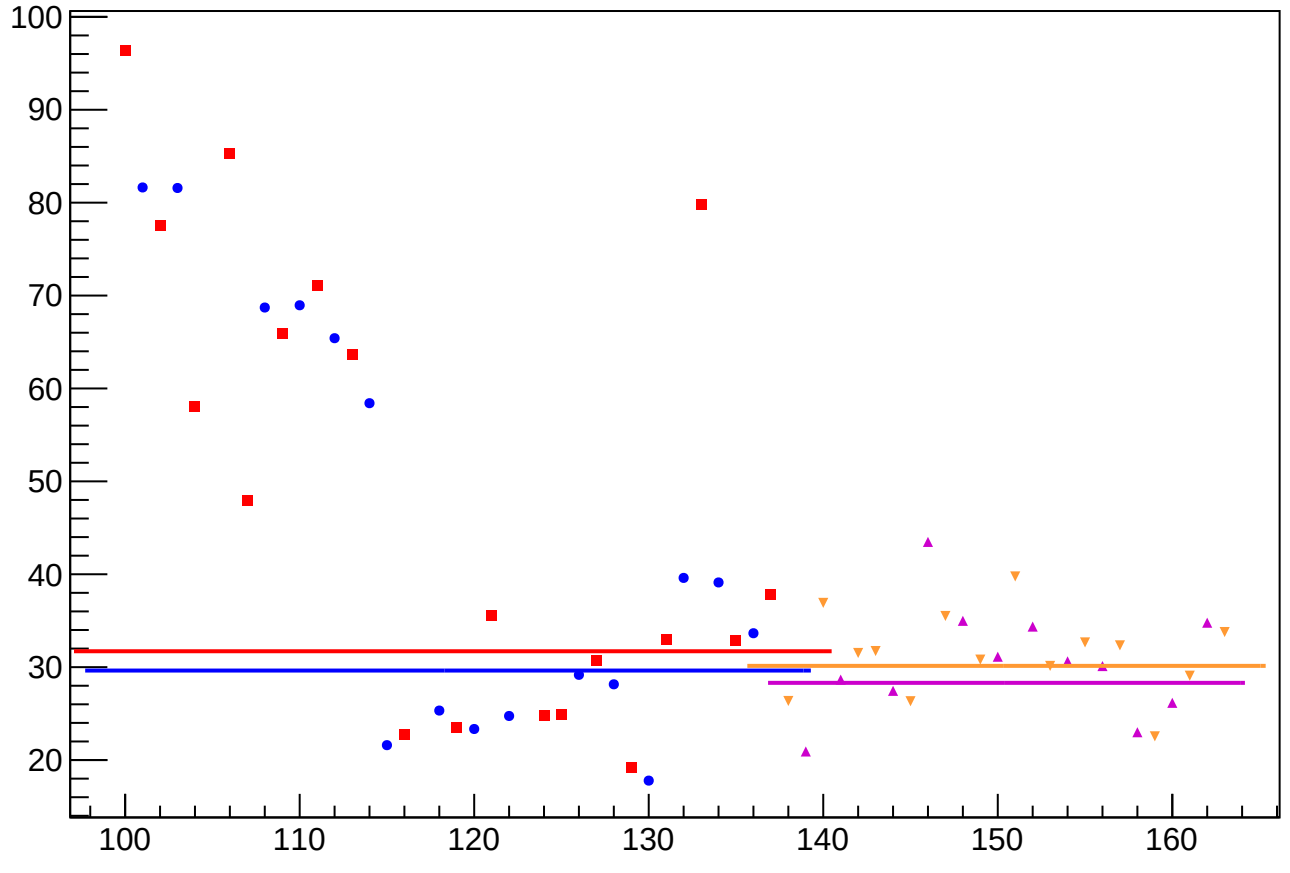
Left: 0.008+/-0.007 χ^2/NDF: 47.4/25

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.007 χ^2/NDF:32.3/27

Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 74.4/60



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 30.139+/-0.007 χ^2/NDF:473467.1/13

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.311+/-0.006 χ^2/NDF:682618.5/11

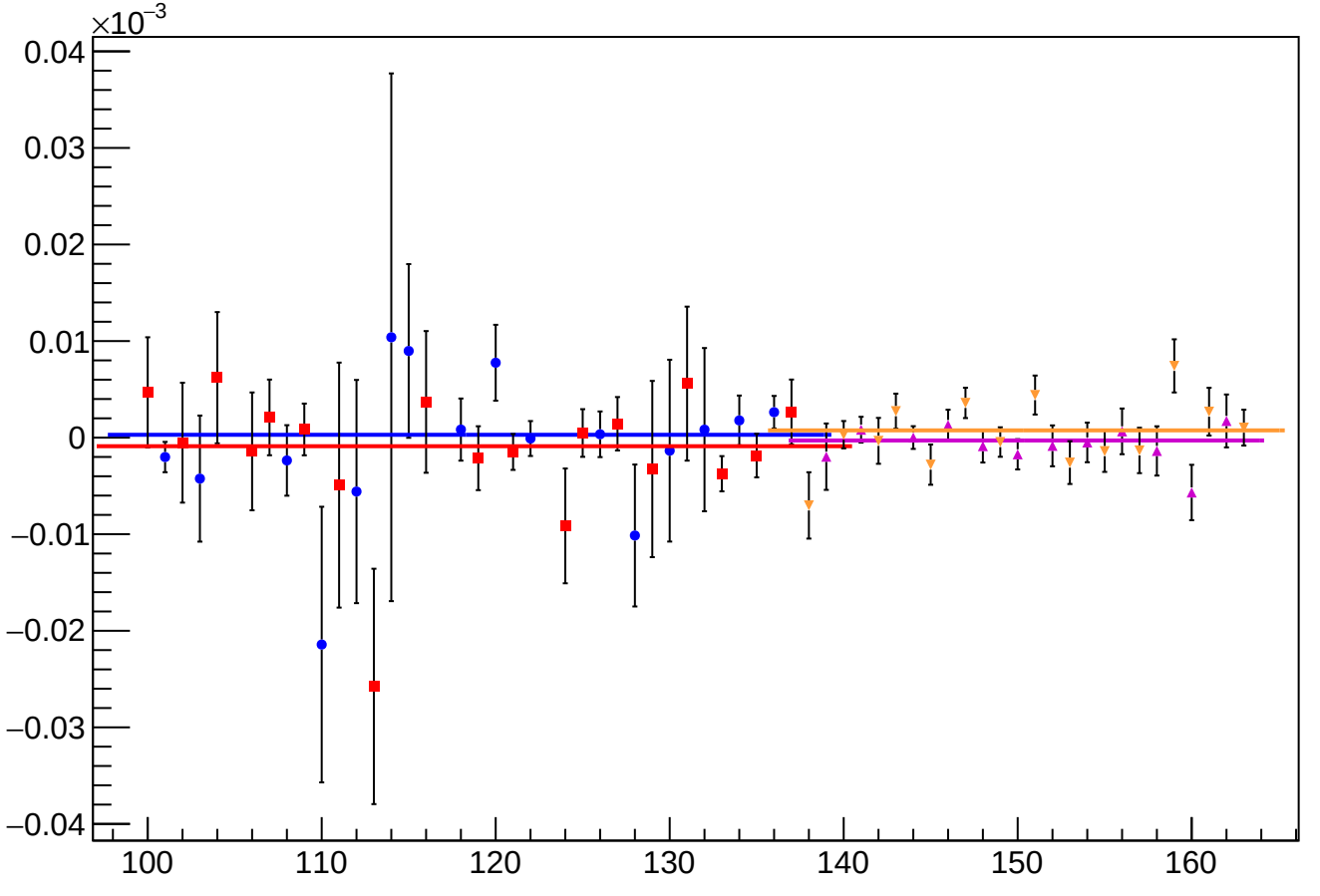
Left: 29.212+/-0.005 χ^2/NDF: 1195302.9/25

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.771+/-0.005 χ^2/NDF:3145589.0/27

Out: 30.659+/-0.005 χ^2/NDF:3143843.3/32

All: 29.689+/-0.004 χ^2/NDF: 6352677.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.3/13

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

Left In: -0.000+/-0.000 χ^2/NDF:7.5/11

Left: 0.000+/-0.000 χ^2/NDF: 36.7/25

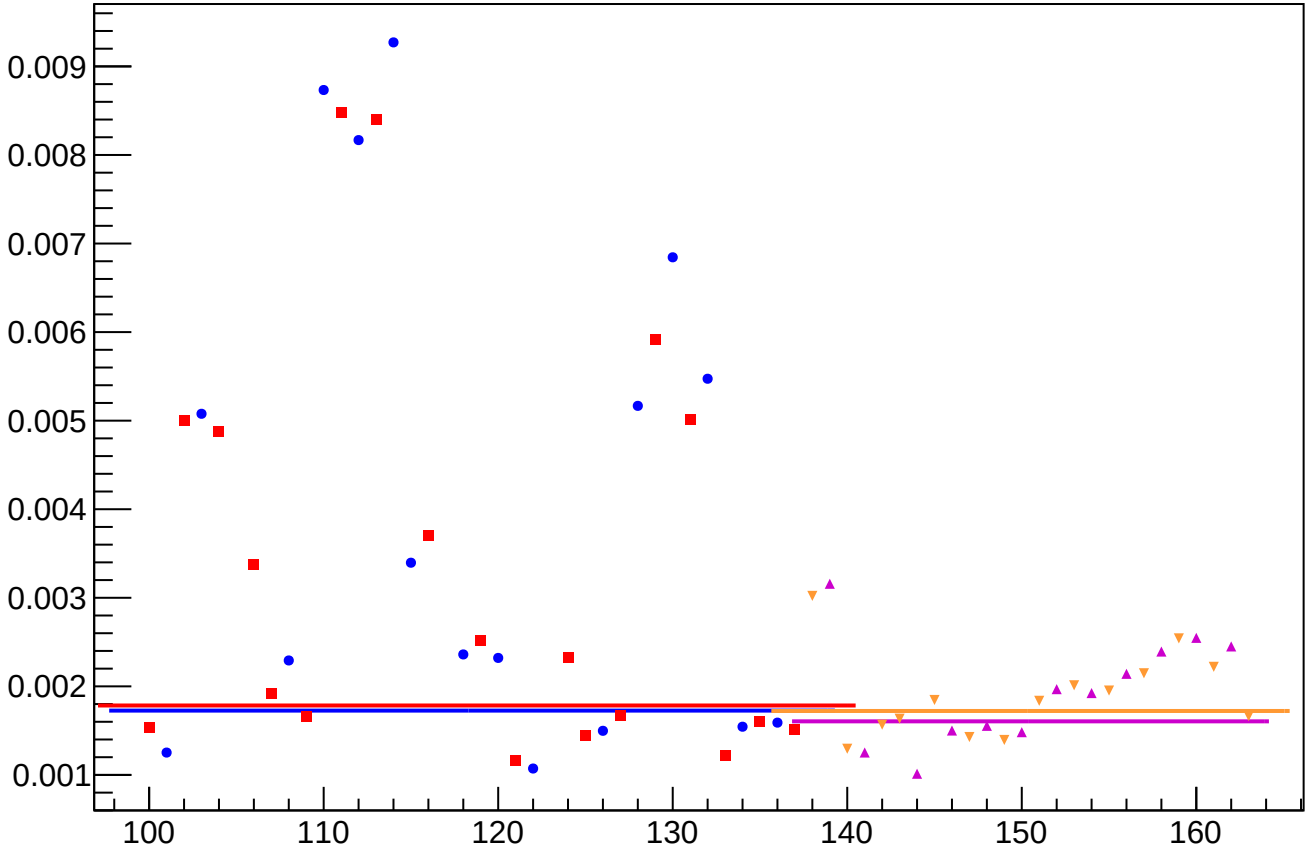
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:22.7/27

Out: 0.000+/-0.000 χ^2/NDF:45.7/32

All: 0.000+/-0.000 χ^2/NDF: 68.7/60

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1039907.8/13

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1883602.2/11

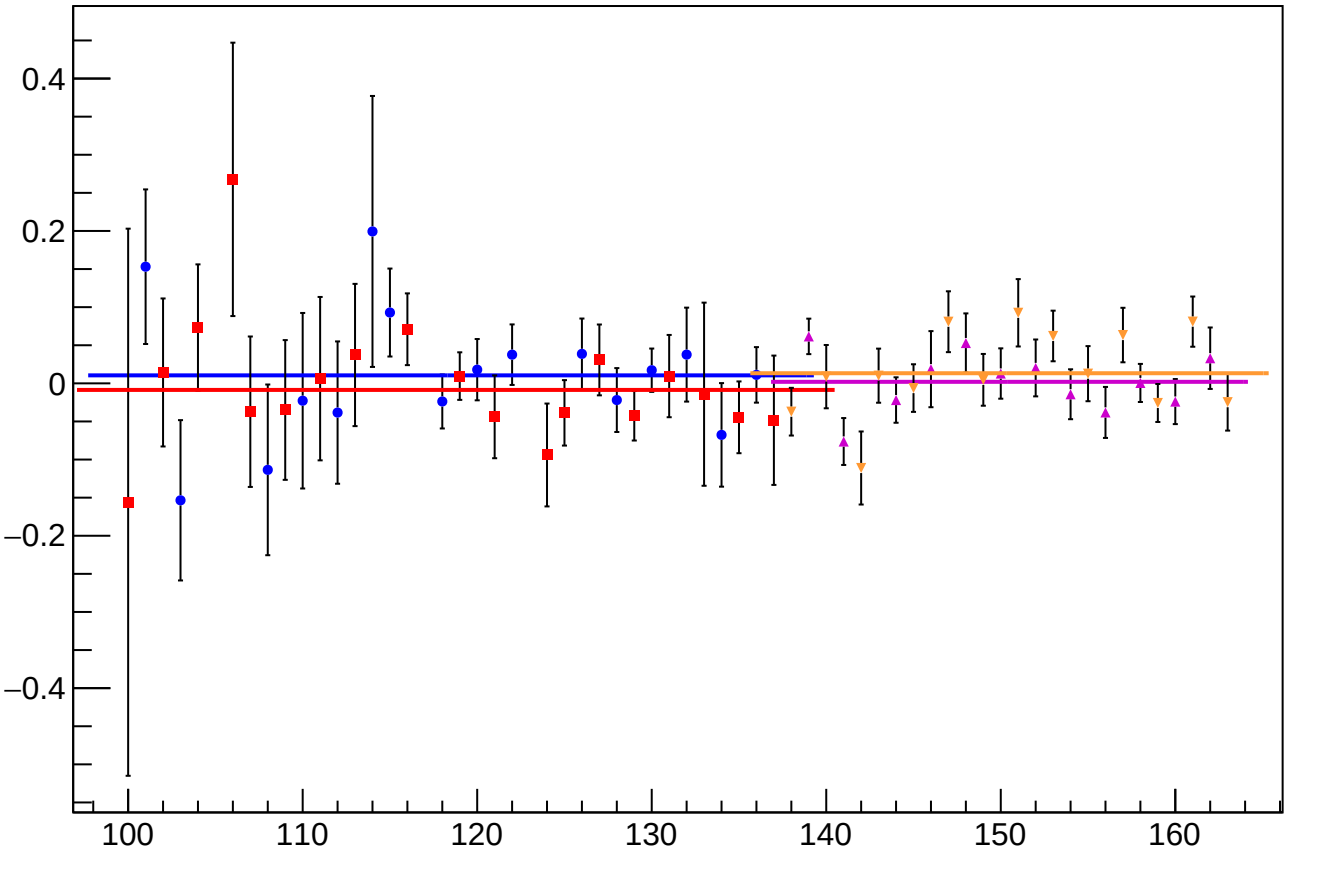
Left: 0.002+/-0.000 χ^2/NDF: 2972394.0/25

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5850084.7/27

Out: 0.002+/-0.000 χ^2/NDF:4767380.5/32

All: 0.002+/-0.000 χ^2/NDF: 10667198.9/60



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.009 χ^2/NDF:18.9/11

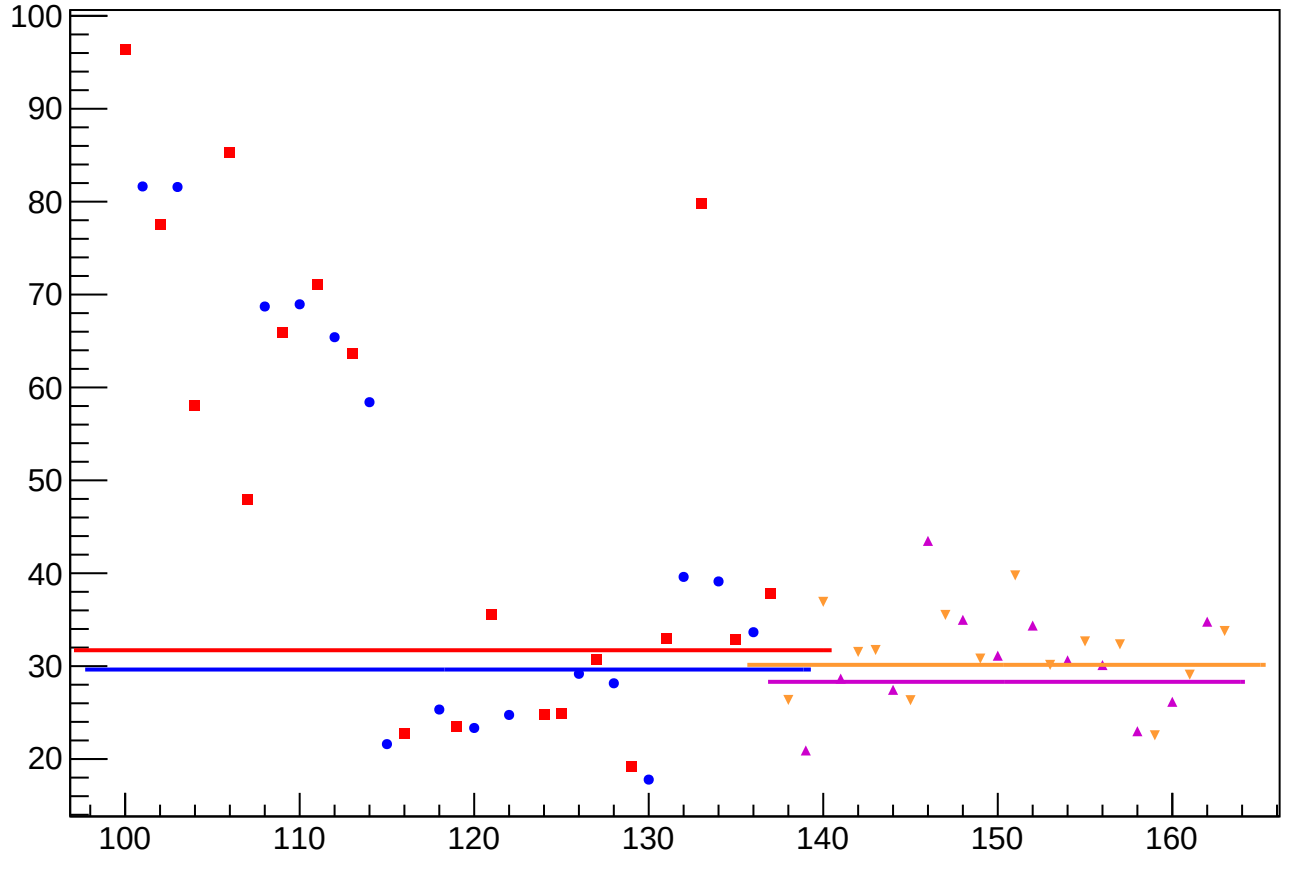
Left: 0.008+/-0.007 χ^2/NDF: 47.4/25

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.007 χ^2/NDF:32.3/27

Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 74.4/60



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 30.139+/-0.007 χ^2/NDF:473494.4/13

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.311+/-0.006 χ^2/NDF:682647.5/11

Left: 29.212+/-0.005 χ^2/NDF: 1195356.9/25

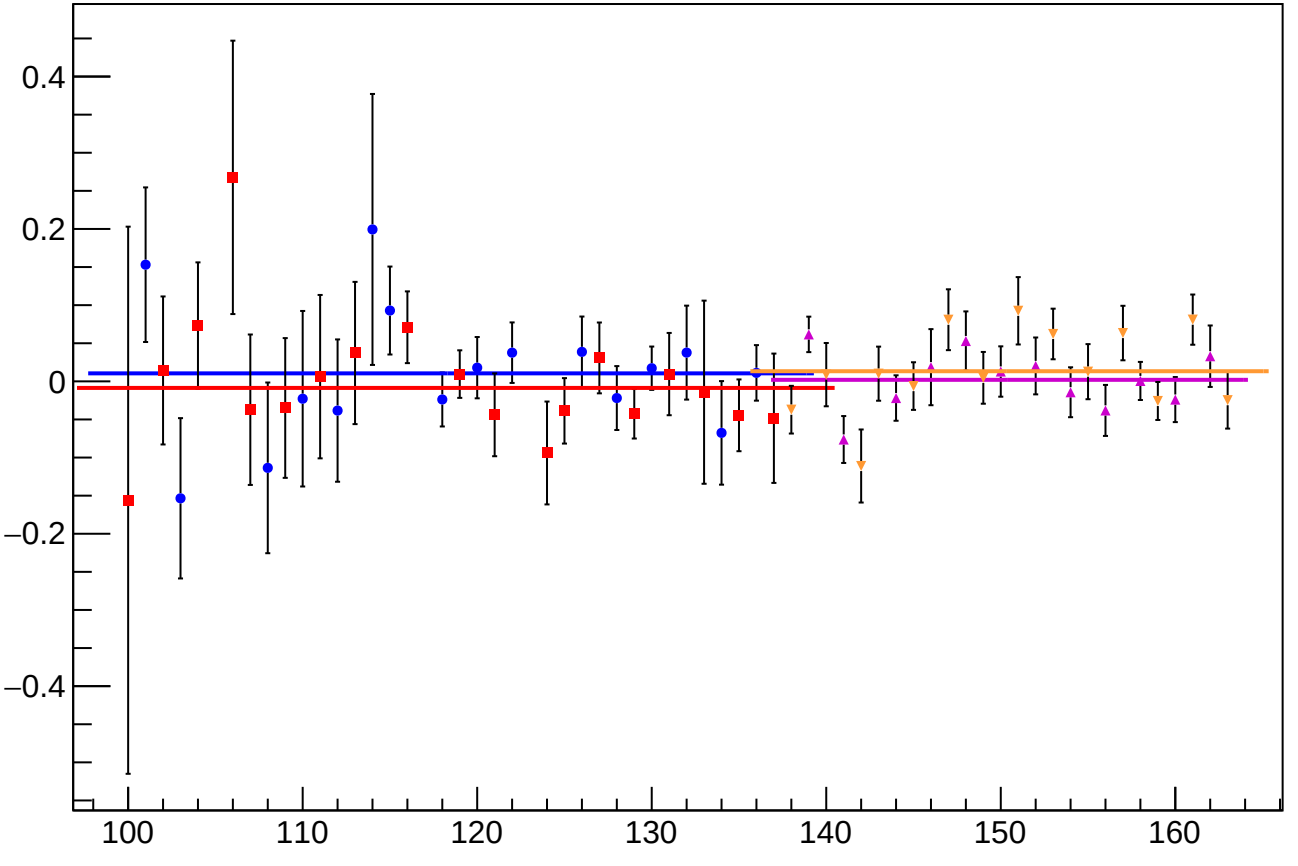
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.771+/-0.005 χ^2/NDF:3145787.4/27

Out: 30.658+/-0.005 χ^2/NDF:3144002.8/32

All: 29.688+/-0.004 χ^2/NDF: 6353035.3/60

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.013+/-0.009 χ^2/NDF:27.7/13

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.002+/-0.009 χ^2/NDF:18.9/11

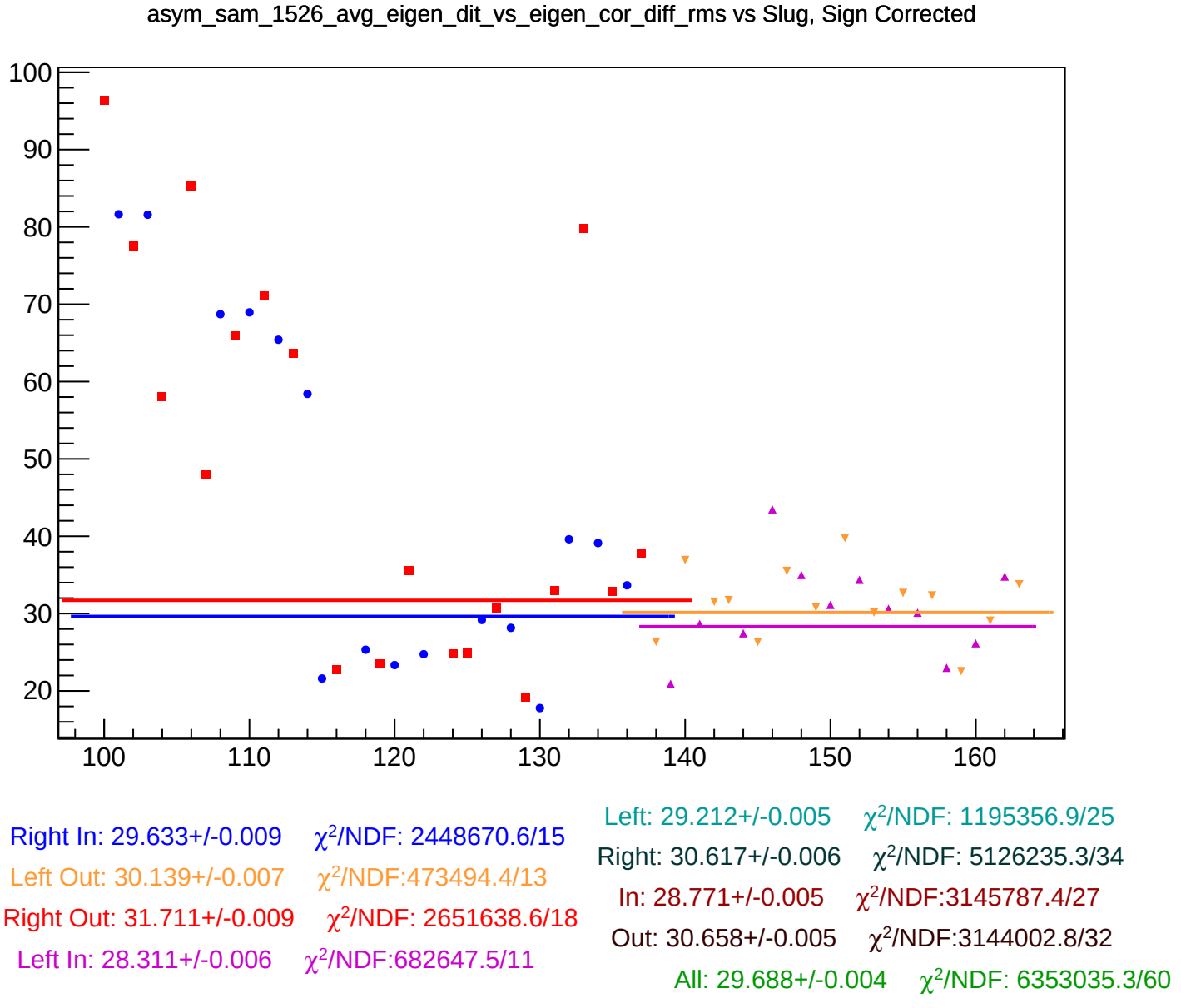
Left: 0.008+/-0.007 χ^2/NDF: 47.4/25

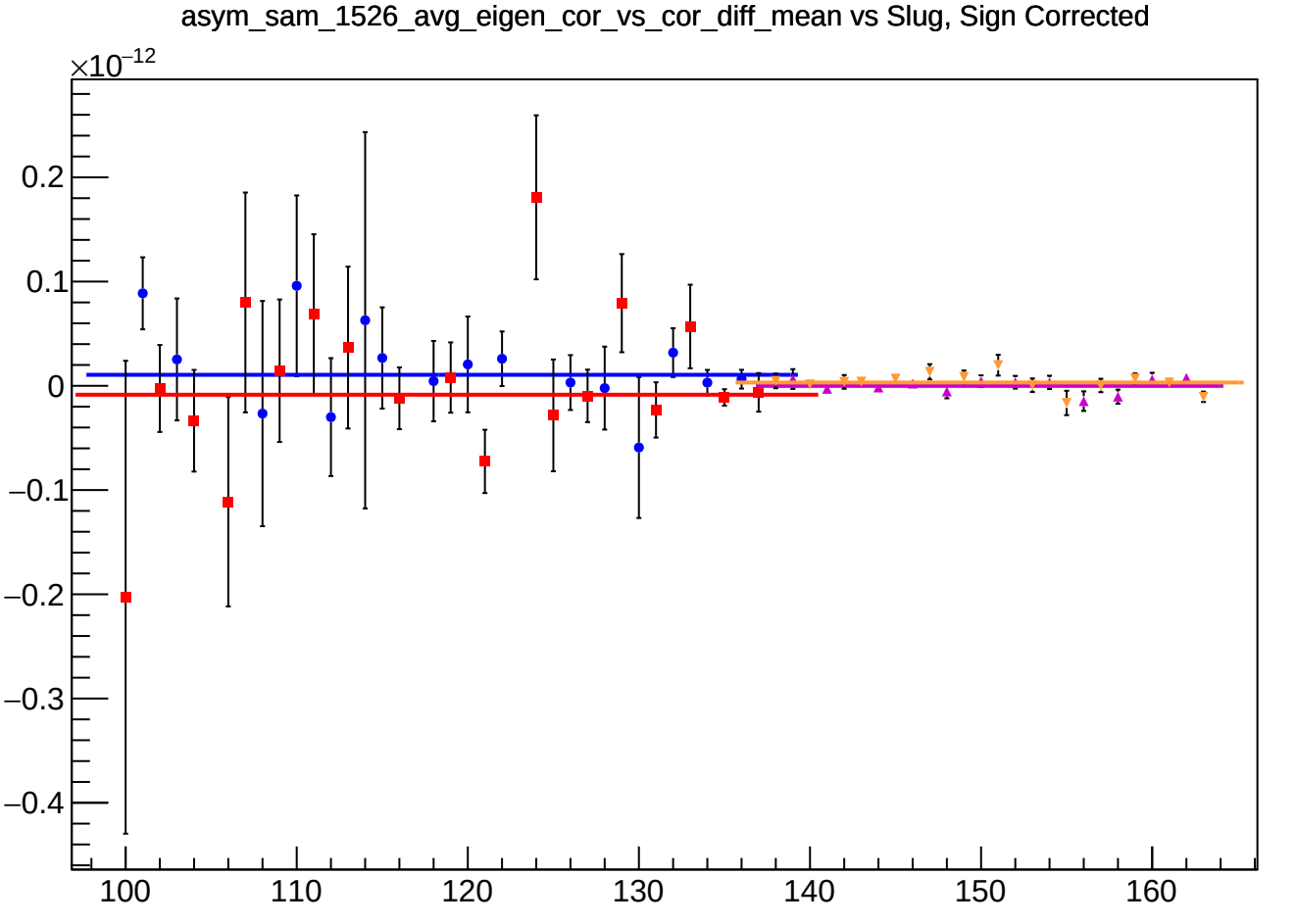
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.007 χ^2/NDF:32.3/27

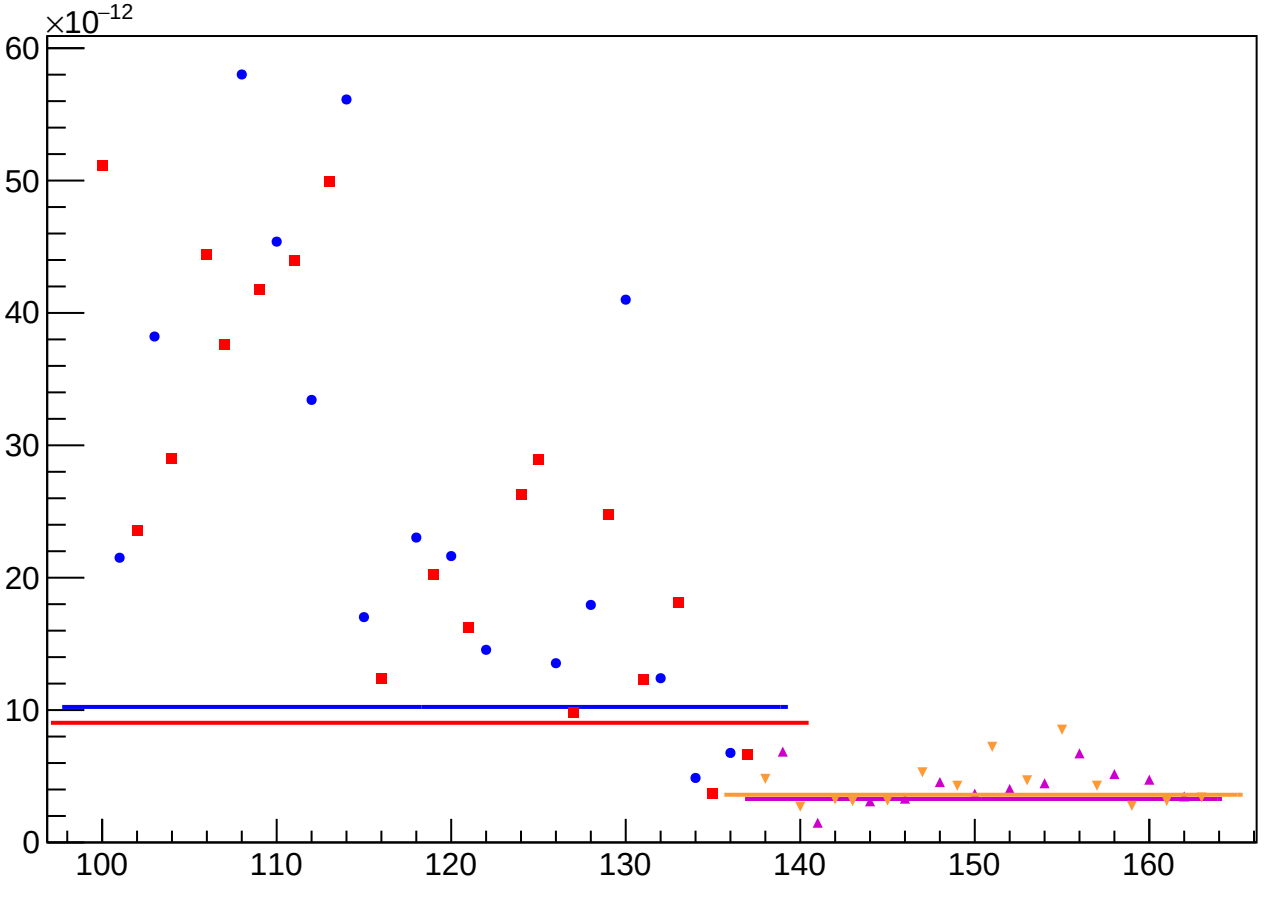
Out: 0.006+/-0.008 χ^2/NDF:42.0/32

All: 0.005+/-0.005 χ^2/NDF: 74.4/60


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 30.139+/-0.007 χ²/NDF:473494.4/13
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.311+/-0.006 χ²/NDF:682647.5/11
Left: 29.212+/-0.005 χ²/NDF: 1195356.9/25
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 28.771+/-0.005 χ²/NDF:3145787.4/27
Out: 30.658+/-0.005 χ²/NDF:3144002.8/32
All: 29.688+/-0.004 χ²/NDF: 6353035.3/60


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:17.9/13
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.1/11
Left: 0.000+/-0.000 χ²/NDF: 32.5/25
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:25.2/27
Out: 0.000+/-0.000 χ²/NDF:43.0/32
All: 0.000+/-0.000 χ²/NDF: 69.2/60

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:1137939.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1889298.8/11

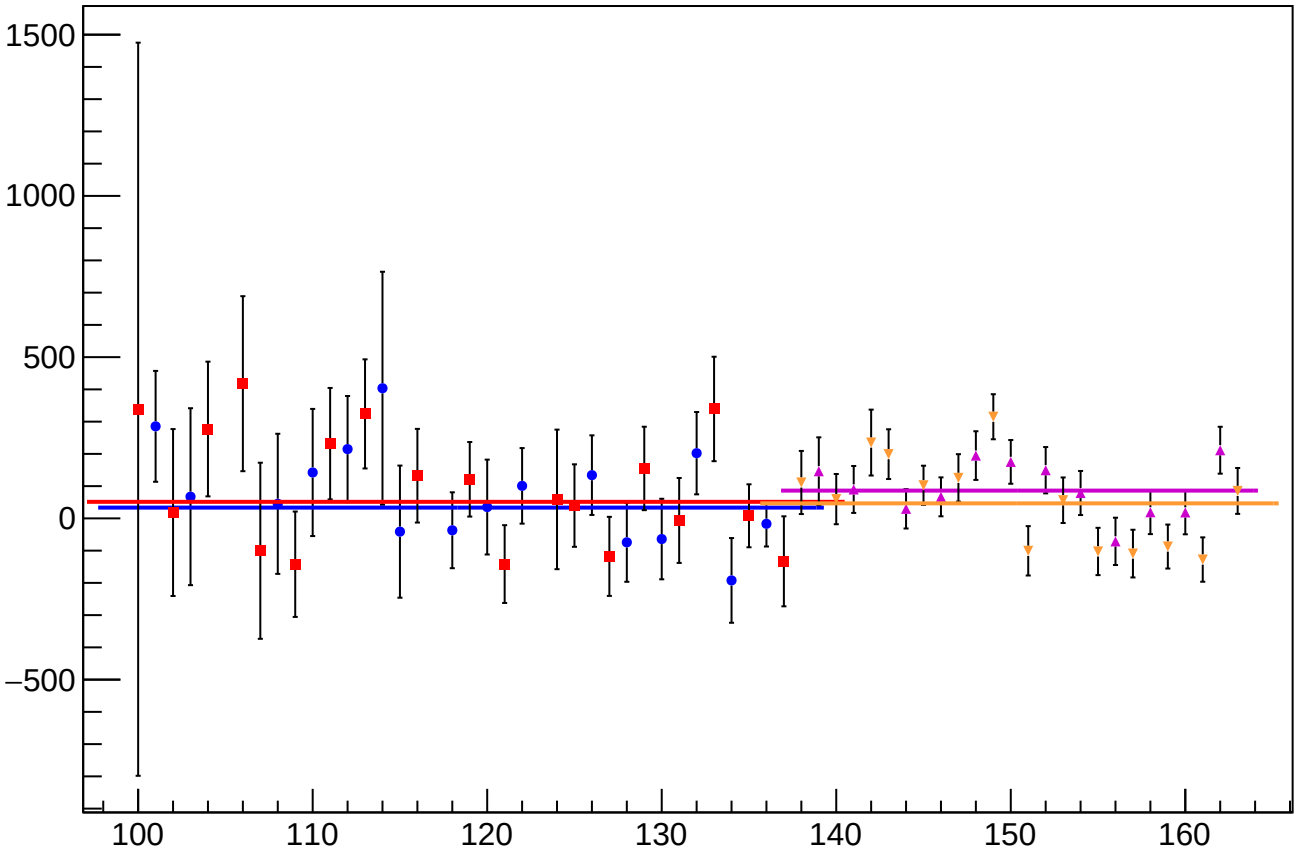
Left: 0.000+/-0.000 χ^2/NDF: 3075220.2/25

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7939694.7/27

Out: 0.000+/-0.000 χ^2/NDF:7237719.3/32

All: 0.000+/-0.000 χ^2/NDF: 15207482.3/60



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.604+/-19.770 χ^2/NDF:47.4/13

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 86.135+/-20.274 χ^2/NDF:15.4/11

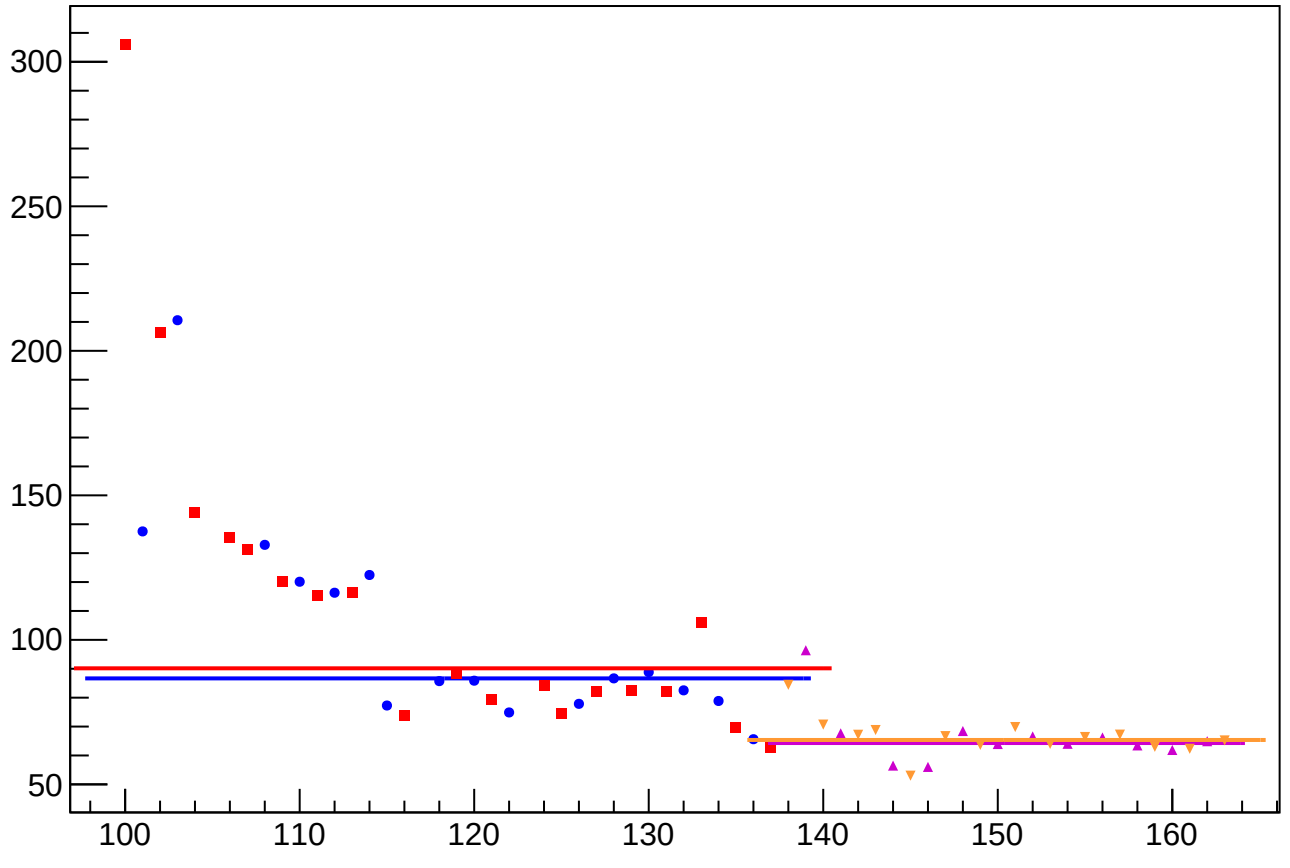
Left: 65.872+/-14.154 χ^2/NDF: 64.8/25

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 72.239+/-17.397 χ^2/NDF:30.0/27

Out: 47.756+/-17.196 χ^2/NDF:67.0/32

All: 59.855+/-12.230 χ^2/NDF: 98.0/60



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.307+/-0.014 χ^2/NDF:273649.7/11

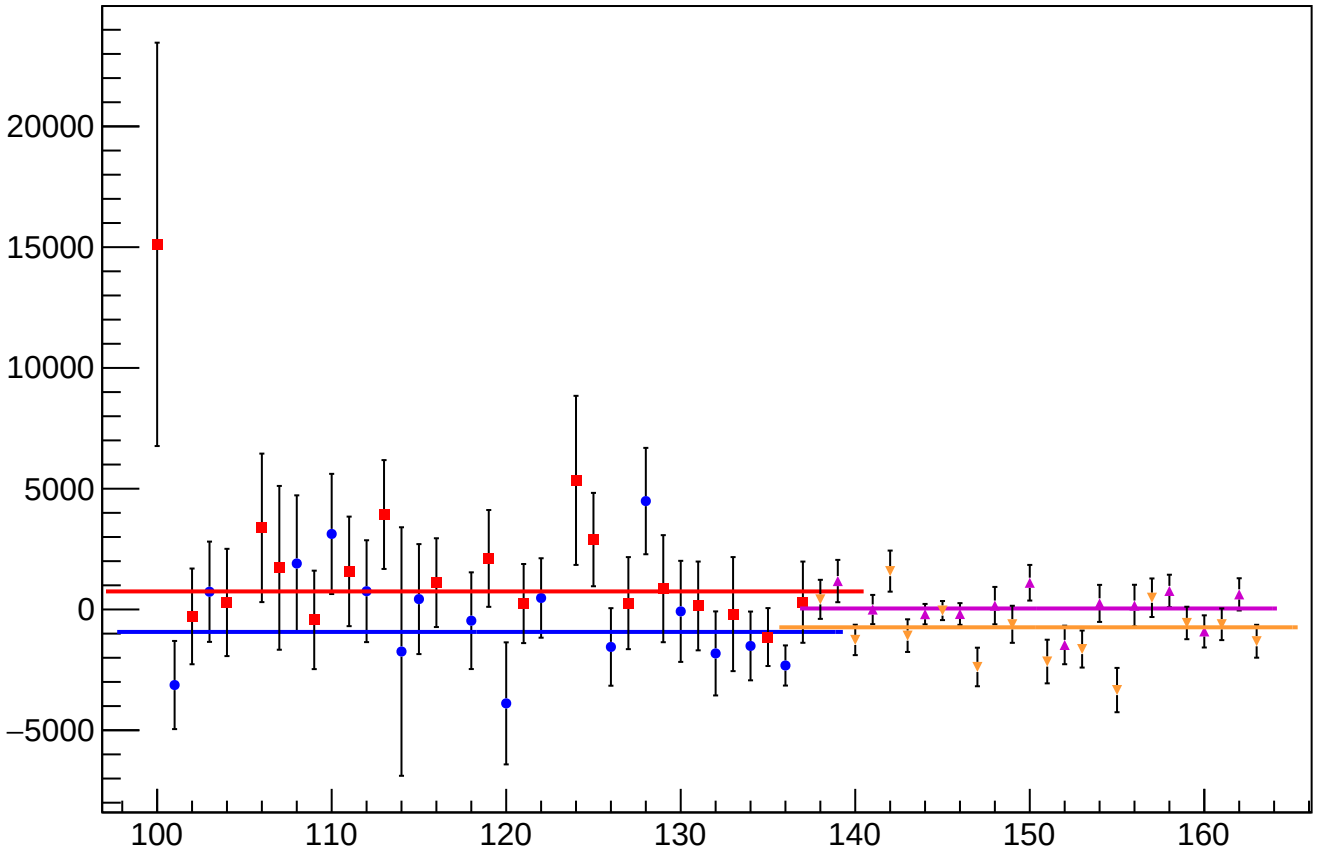
Left: 64.848+/-0.010 χ^2/NDF: 466641.6/25

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 70.202+/-0.012 χ^2/NDF:1953853.5/27

Out: 71.397+/-0.012 χ^2/NDF:2105841.6/32

All: 70.807+/-0.009 χ^2/NDF: 4064469.5/60



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -738.340+/-183.547 χ^2/NDF:32.9/13

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 41.162+/-184.332 χ^2/NDF:12.0/11

Left: -350.253+/-130.064 χ^2/NDF: 53.8/25

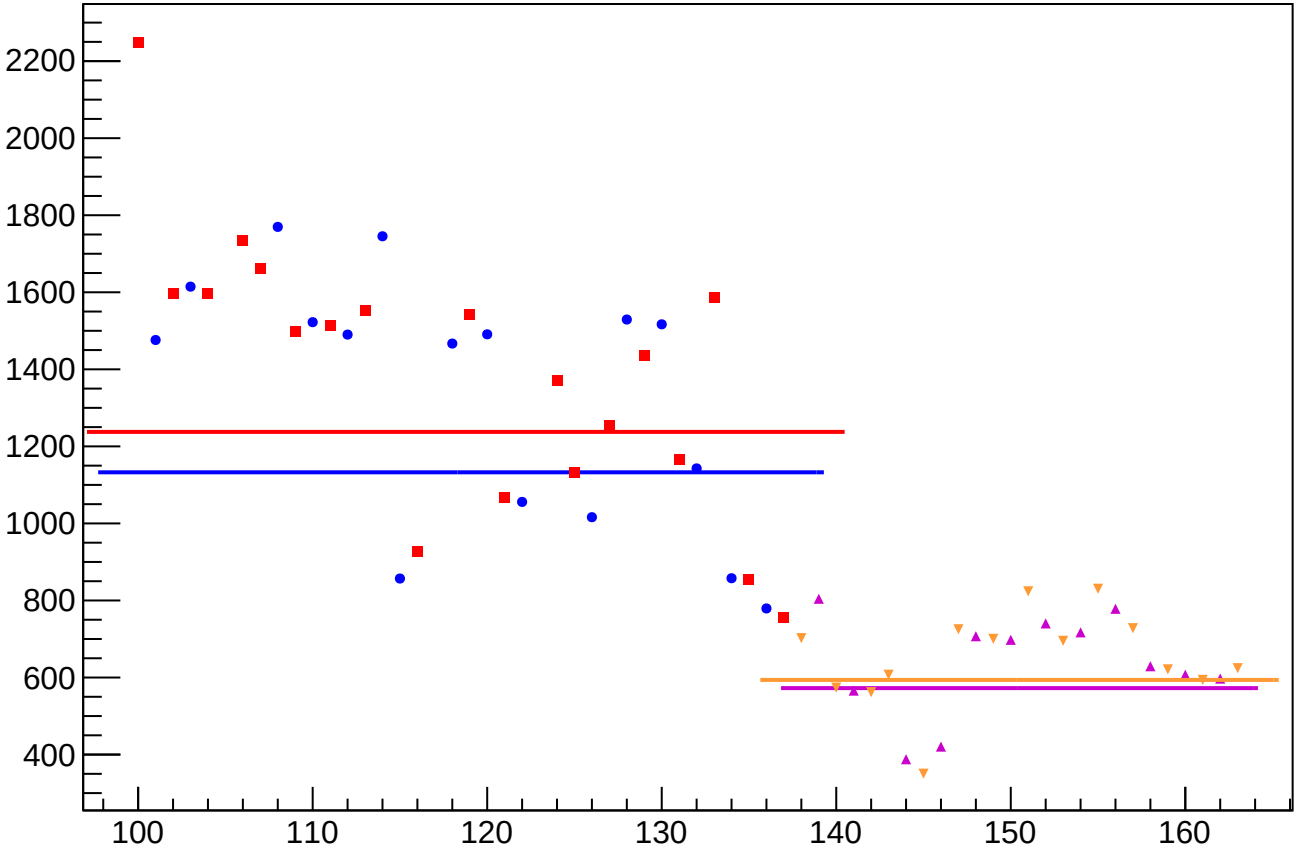
Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -103.311+/-170.067 χ^2/NDF:34.7/27

Out: -540.230+/-170.870 χ^2/NDF:54.6/32

All: -320.741+/-120.539 χ^2/NDF: 92.5/60

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: 593.800+/-0.130 χ^2/NDF:1256245.3/13

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 572.511+/-0.130 χ^2/NDF:1165425.5/11

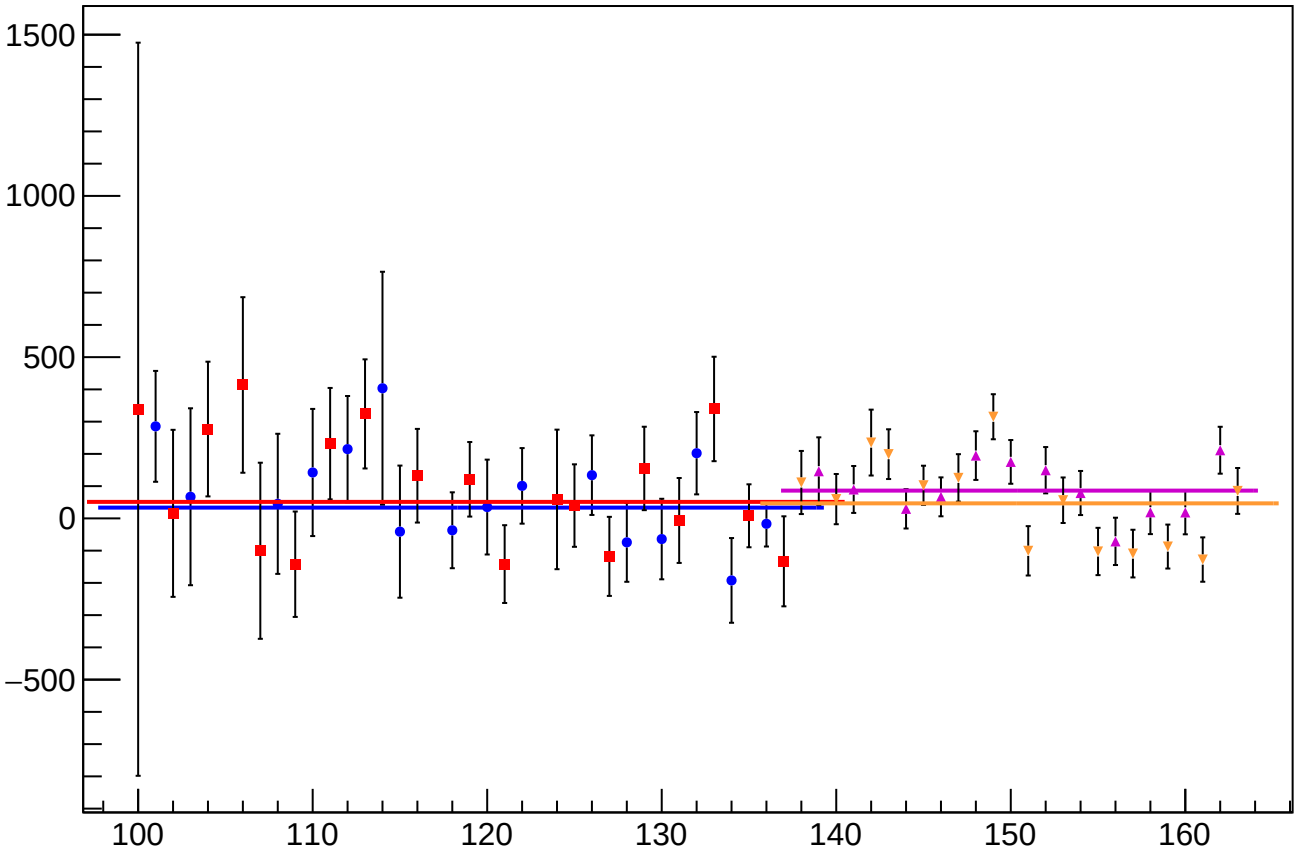
Left: 583.201+/-0.092 χ^2/NDF: 2435066.0/25

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 655.860+/-0.120 χ^2/NDF:5037790.2/27

Out: 679.656+/-0.121 χ^2/NDF:5432878.6/32

All: 667.702+/-0.085 χ^2/NDF: 10490153.9/60



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 86.134+/-20.274 χ^2/NDF:15.4/11

Left: 65.873+/-14.154 χ^2/NDF: 64.8/25

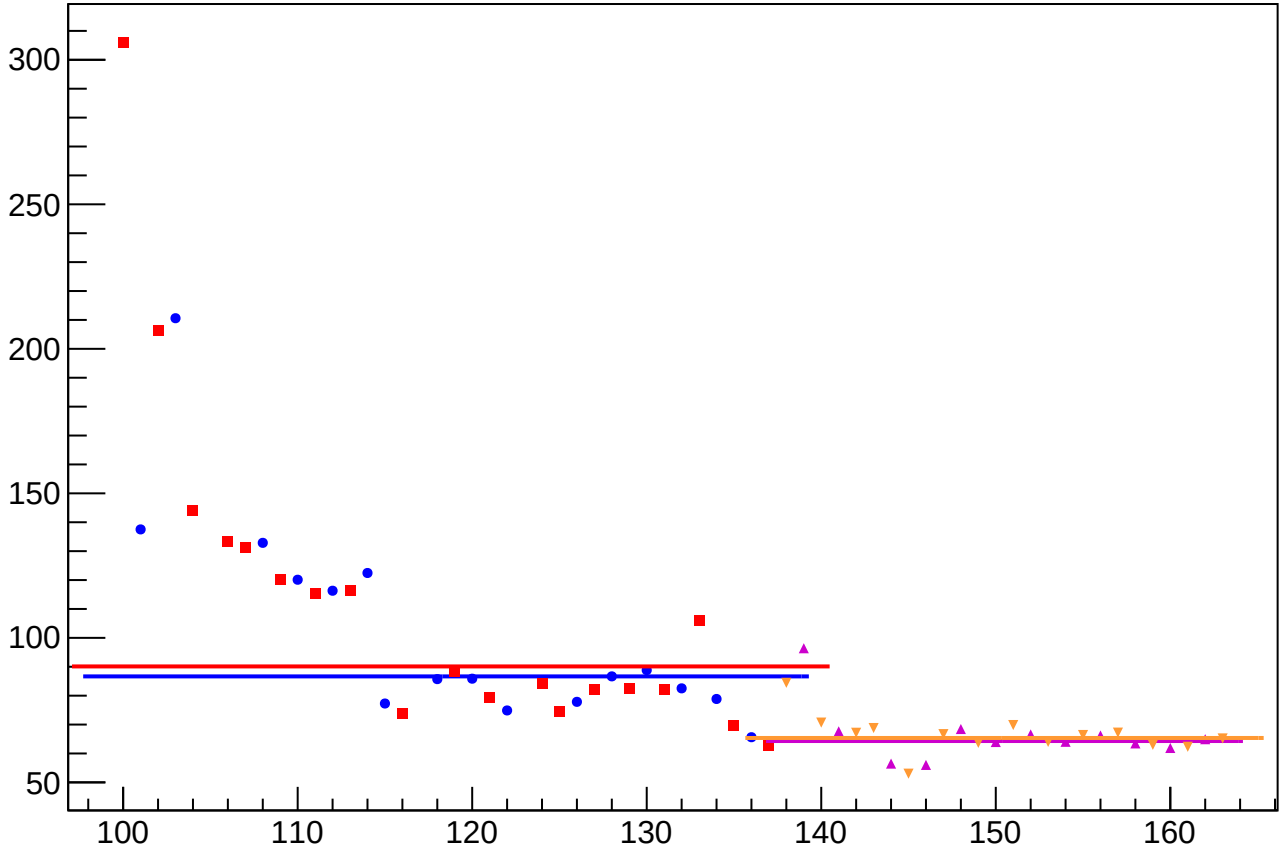
Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 72.236+/-17.397 χ^2/NDF:30.0/27

Out: 47.722+/-17.196 χ^2/NDF:67.0/32

All: 59.837+/-12.230 χ^2/NDF: 98.0/60

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.307+/-0.014 χ^2/NDF:273649.7/11

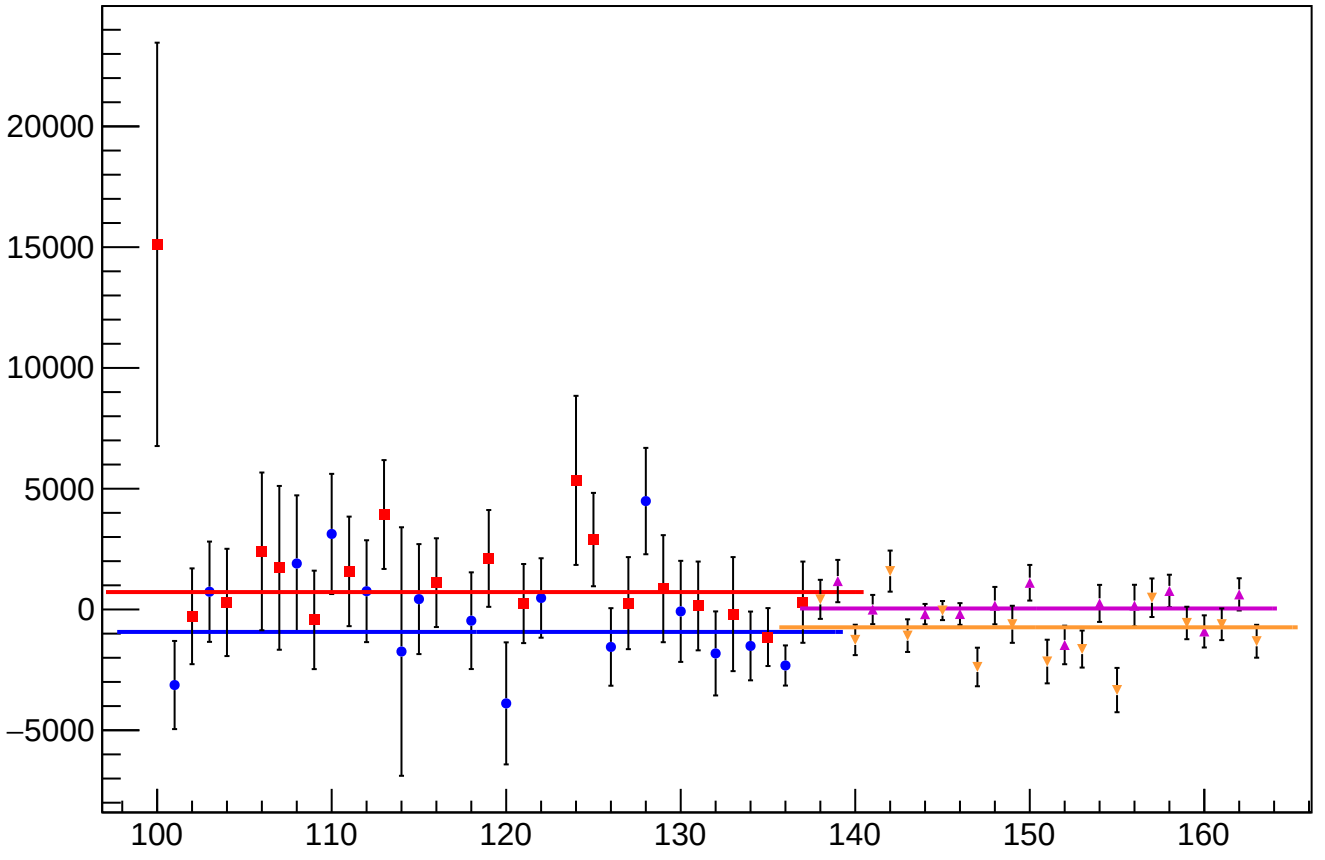
Left: 64.848+/-0.010 χ^2/NDF: 466641.6/25

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.202+/-0.012 χ^2/NDF:1953856.0/27

Out: 71.388+/-0.012 χ^2/NDF:2098788.5/32

All: 70.802+/-0.009 χ^2/NDF: 4057342.6/60



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -738.335+/-183.547 χ^2/NDF:32.9/13

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 41.162+/-184.332 χ^2/NDF:12.0/11

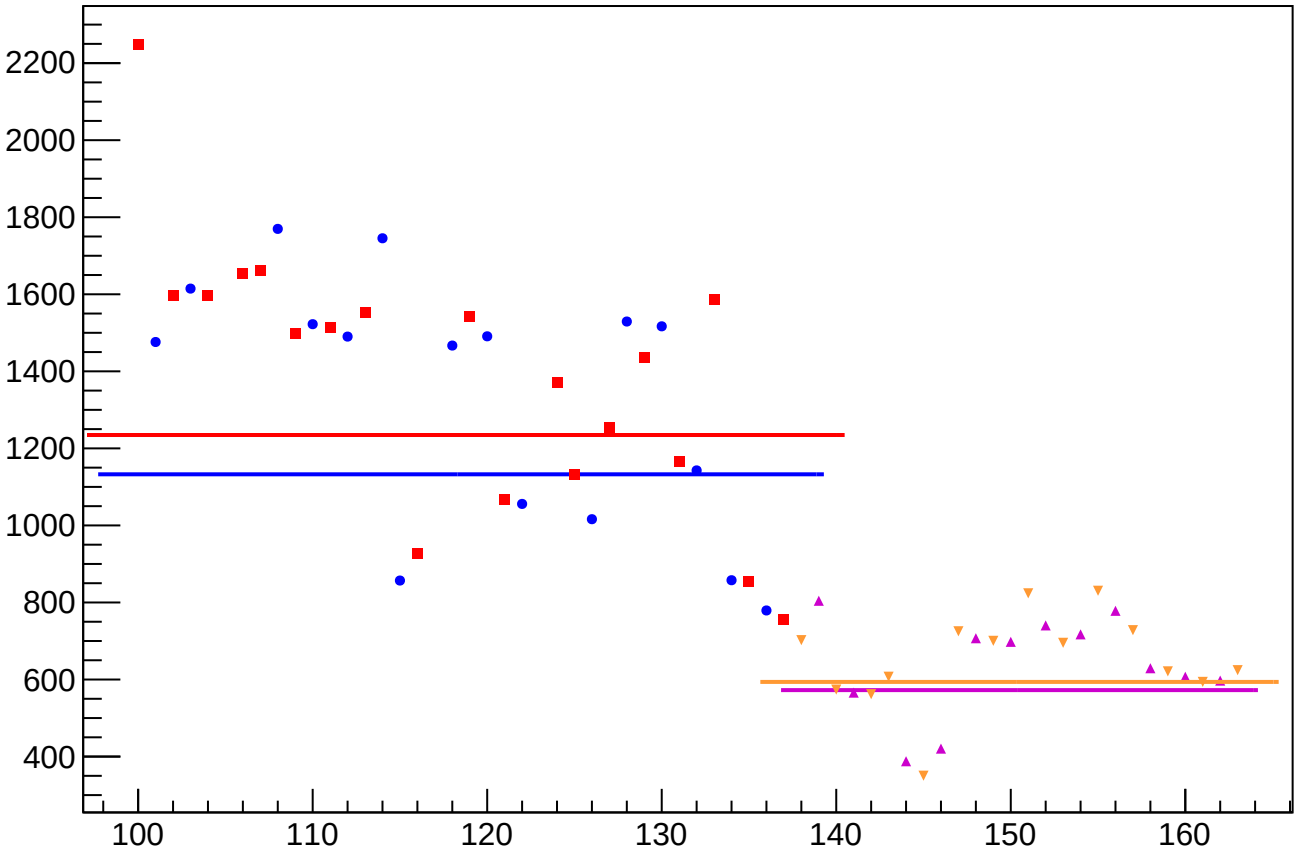
Left: -350.251+/-130.064 χ^2/NDF: 53.8/25

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -103.305+/-170.067 χ^2/NDF:34.7/27

Out: -544.231+/-170.901 χ^2/NDF:53.8/32

All: -322.689+/-120.549 χ^2/NDF: 91.8/60



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 572.511+/-0.130 χ^2/NDF:1165426.0/11

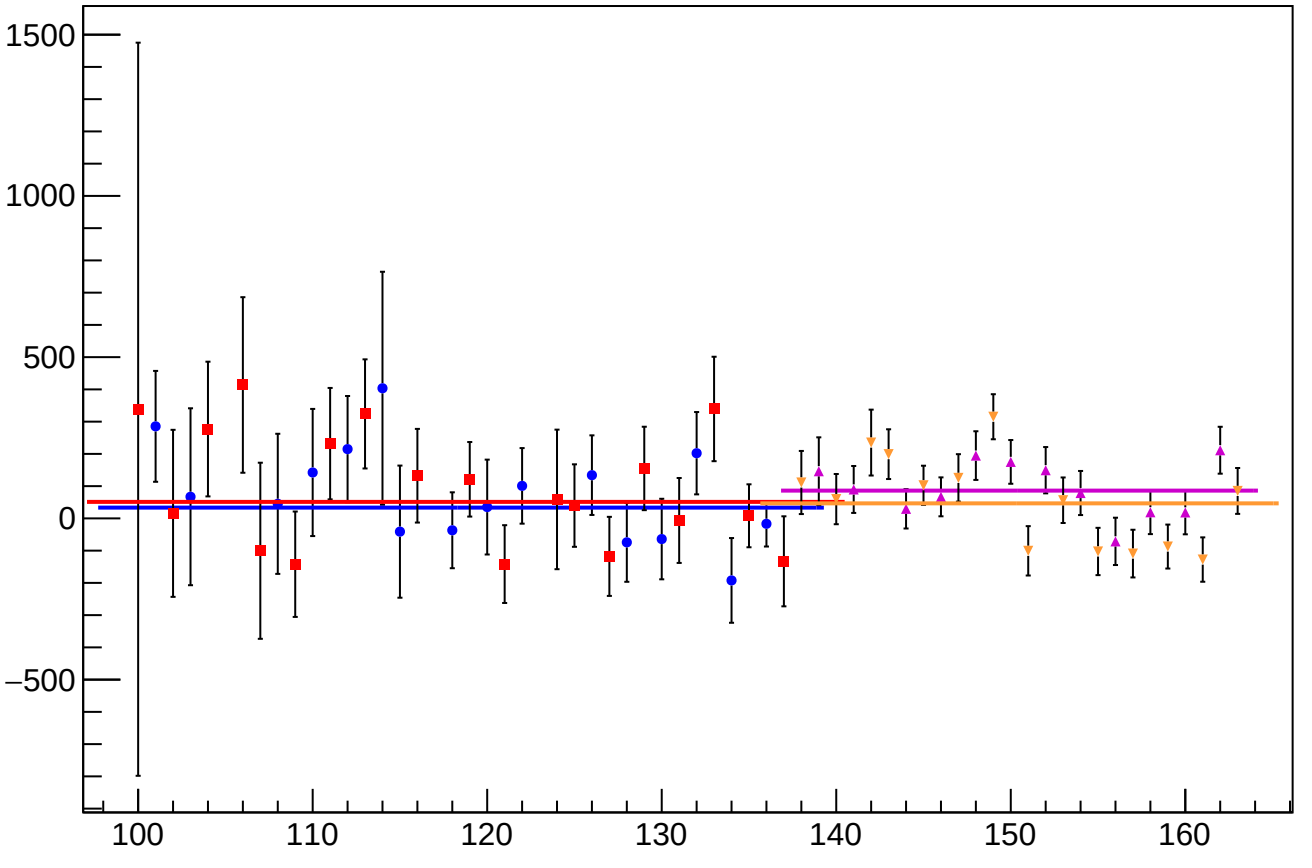
Left: 583.201+/-0.092 χ^2/NDF: 2435069.2/25

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 655.860+/-0.120 χ^2/NDF:5037826.7/27

Out: 679.069+/-0.121 χ^2/NDF:5376859.6/32

All: 667.408+/-0.085 χ^2/NDF: 10433220.2/60



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 46.607+/-19.770 χ^2/NDF:47.4/13

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 86.134+/-20.274 χ^2/NDF:15.4/11

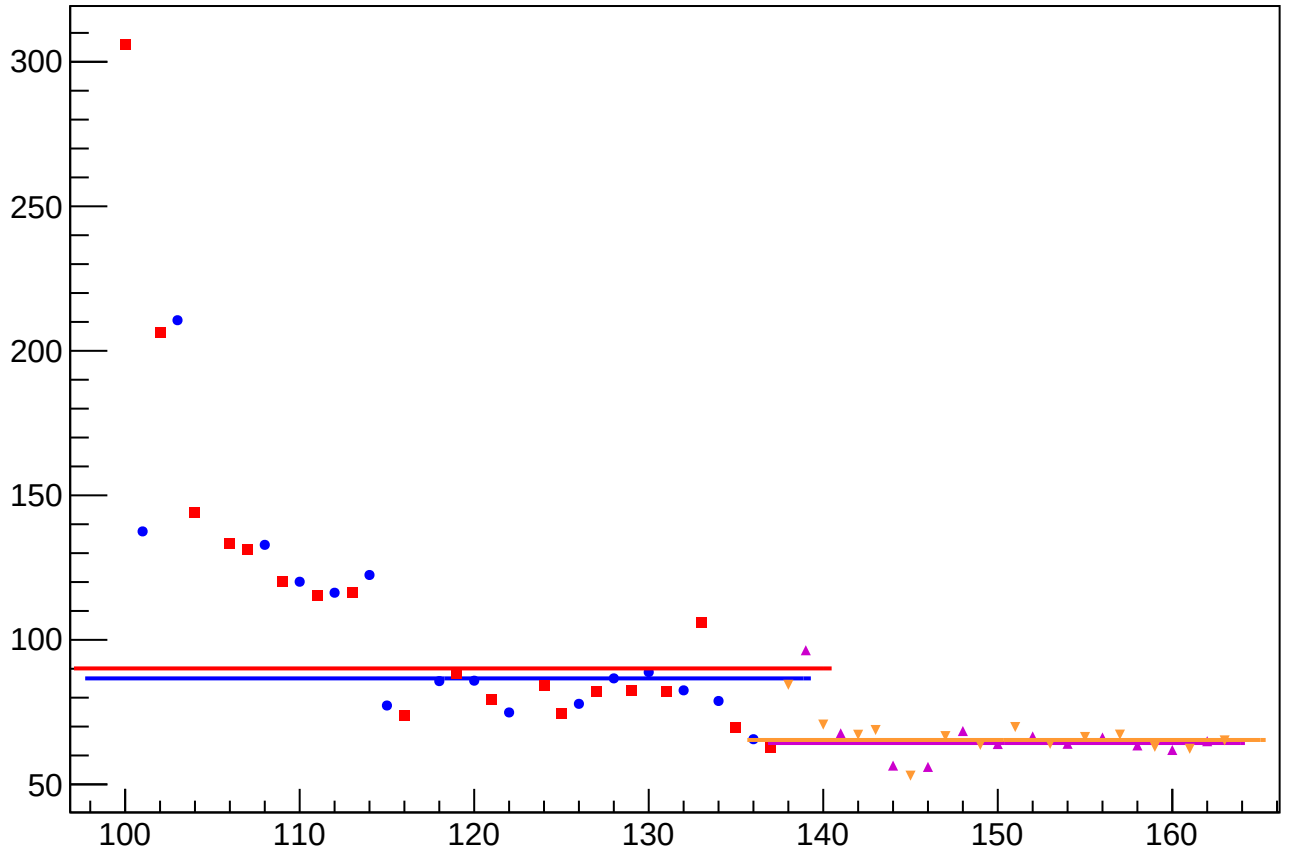
Left: 65.873+/-14.154 χ^2/NDF: 64.8/25

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 72.236+/-17.397 χ^2/NDF:30.0/27

Out: 47.722+/-17.196 χ^2/NDF:67.0/32

All: 59.837+/-12.230 χ^2/NDF: 98.0/60



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.362+/-0.014 χ^2/NDF:190215.9/13

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.307+/-0.014 χ^2/NDF:273649.7/11

Left: 64.848+/-0.010 χ^2/NDF: 466641.6/25

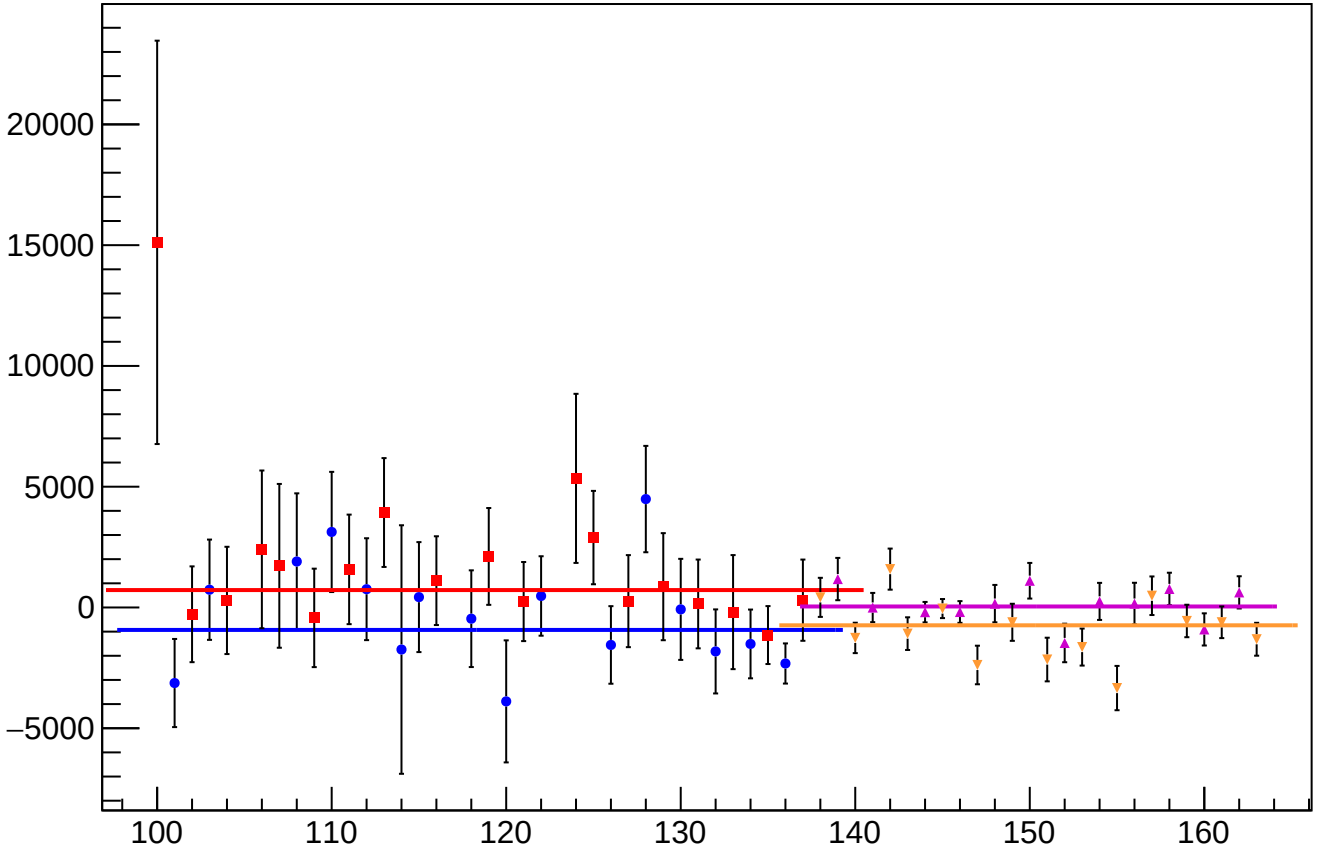
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 70.202+/-0.012 χ^2/NDF:1953856.0/27

Out: 71.388+/-0.012 χ^2/NDF:2098788.5/32

All: 70.802+/-0.009 χ^2/NDF: 4057342.6/60

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: -738.335+/-183.547 χ^2/NDF:32.9/13

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 41.162+/-184.332 χ^2/NDF:12.0/11

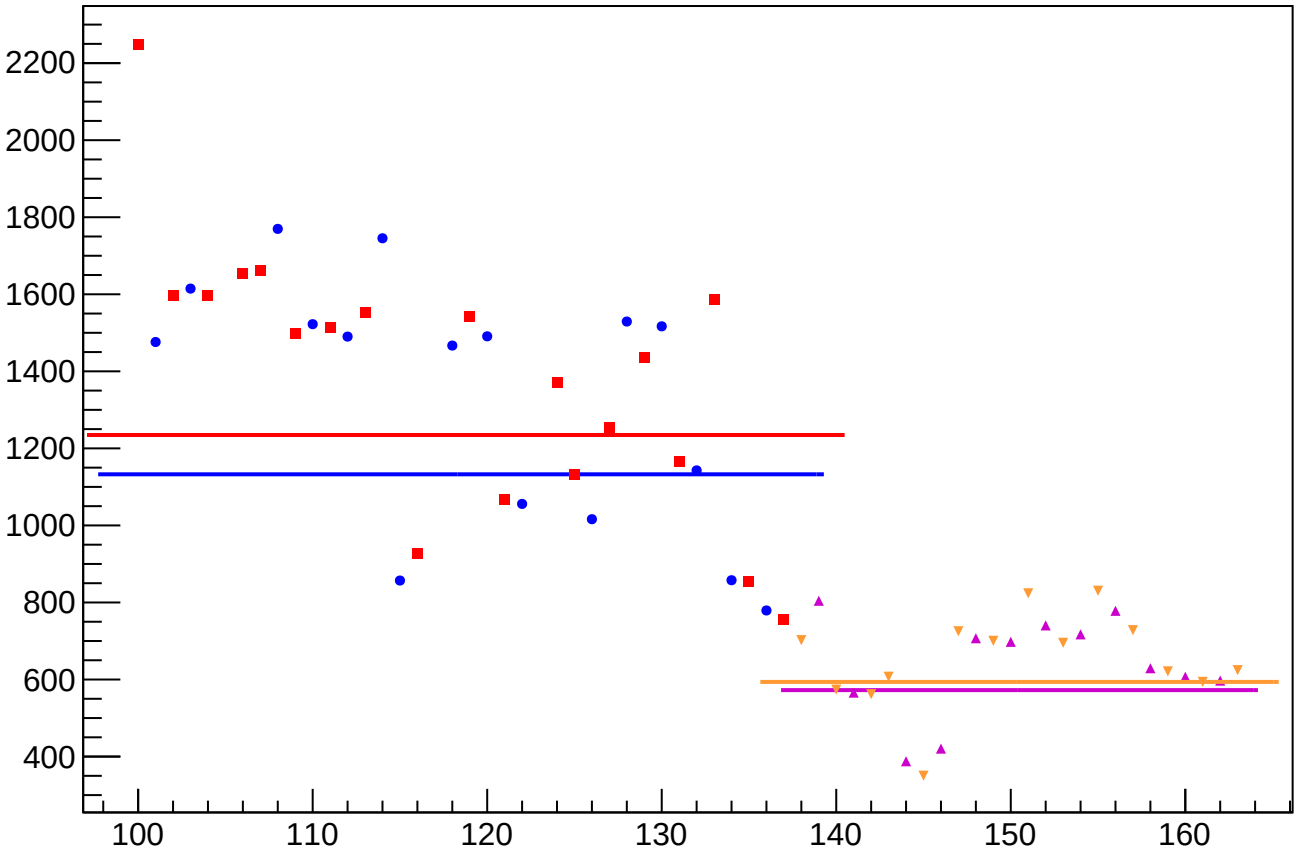
Left: -350.251+/-130.064 χ^2/NDF: 53.8/25

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -103.305+/-170.067 χ^2/NDF:34.7/27

Out: -544.231+/-170.901 χ^2/NDF:53.8/32

All: -322.689+/-120.549 χ^2/NDF: 91.8/60



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 593.800+/-0.130 χ^2/NDF:1256248.3/13

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 572.511+/-0.130 χ^2/NDF:1165426.0/11

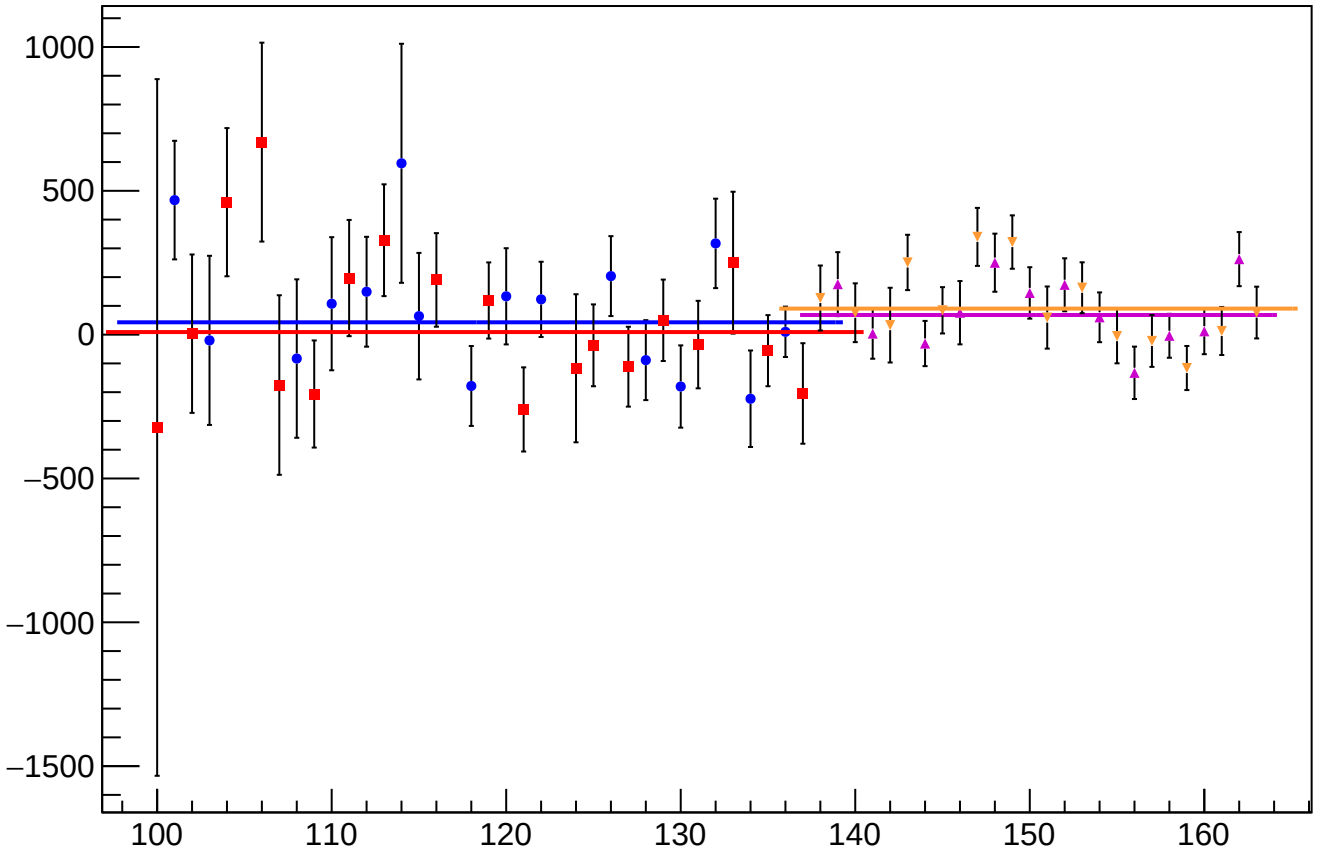
Left: 583.201+/-0.092 χ^2/NDF: 2435069.2/25

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 655.860+/-0.120 χ^2/NDF:5037826.7/27

Out: 679.069+/-0.121 χ^2/NDF:5376859.6/32

All: 667.408+/-0.085 χ^2/NDF: 10433220.2/60



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 90.514+/-25.031 χ^2/NDF:26.9/13

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 68.305+/-25.874 χ^2/NDF:18.9/11

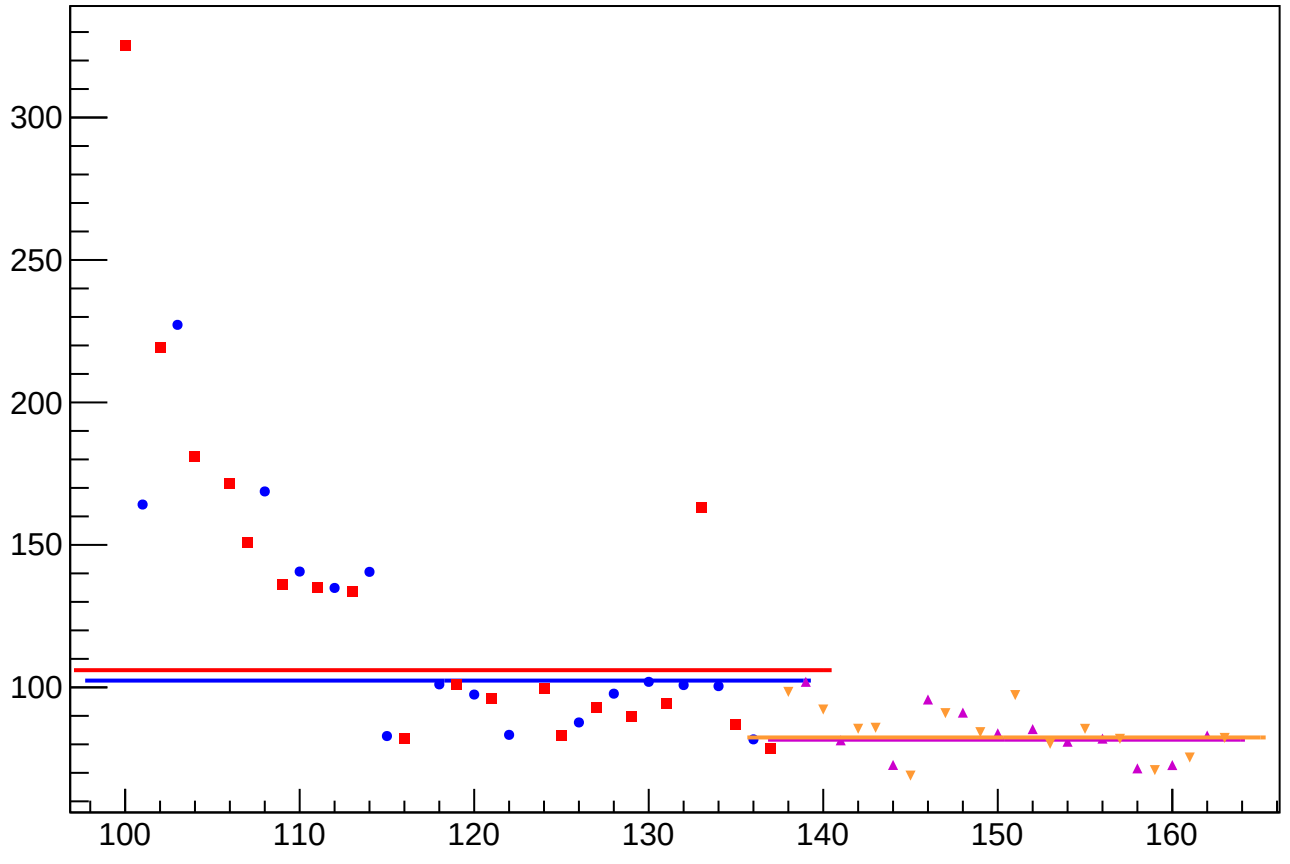
Left: 79.778+/-17.990 χ^2/NDF: 46.2/25

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 60.802+/-21.717 χ^2/NDF:39.5/27

Out: 68.425+/-21.373 χ^2/NDF:51.1/32

All: 64.674+/-15.233 χ^2/NDF: 90.7/60



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 82.420+/-0.018 χ^2/NDF:232814.4/13

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 81.632+/-0.018 χ^2/NDF:207704.6/11

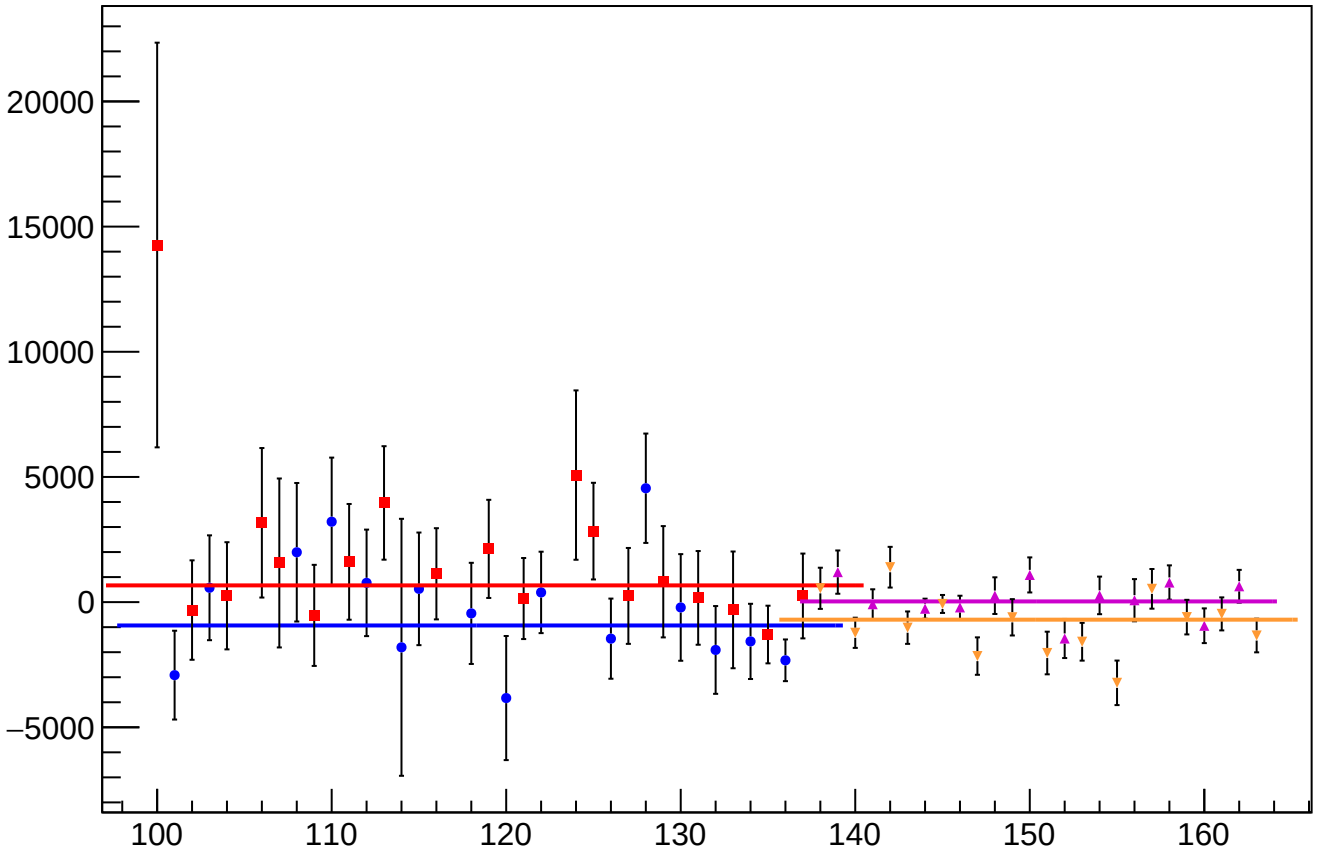
Left: 82.039+/-0.013 χ^2/NDF: 441476.5/25

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 87.763+/-0.015 χ^2/NDF:1570012.5/27

Out: 88.818+/-0.015 χ^2/NDF:1906319.9/32

All: 88.299+/-0.011 χ^2/NDF: 3478727.1/60



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -700.916+/-176.328 χ^2/NDF:32.1/13

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 28.047+/-181.658 χ^2/NDF:12.8/11

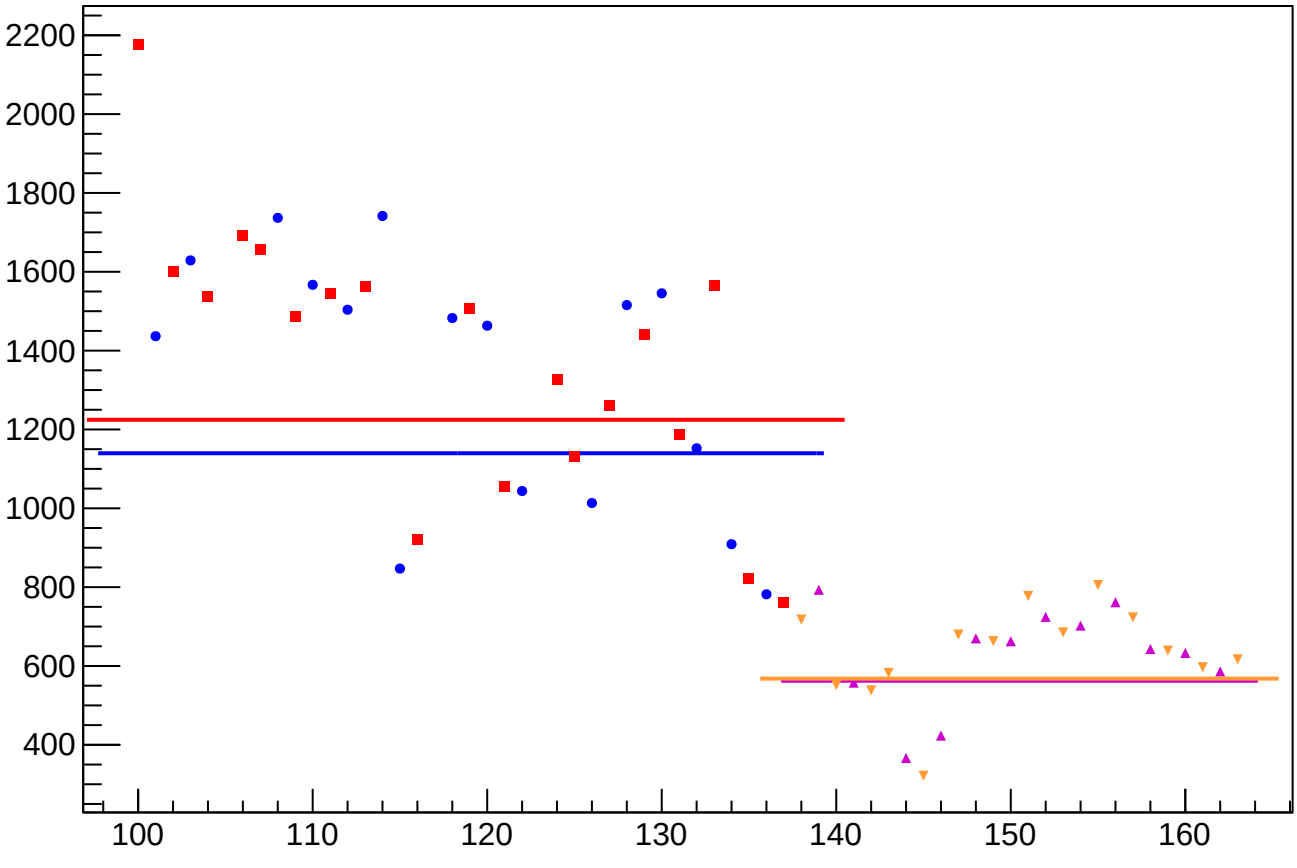
Left: -347.286+/-126.525 χ^2/NDF: 53.2/25

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -110.351+/-168.061 χ^2/NDF:35.3/27

Out: -527.593+/-164.792 χ^2/NDF:53.2/32

All: -323.069+/-117.664 χ^2/NDF: 91.7/60



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 567.999+/-0.125 χ^2/NDF:1515298.6/13

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 562.609+/-0.128 χ^2/NDF:1204250.3/11

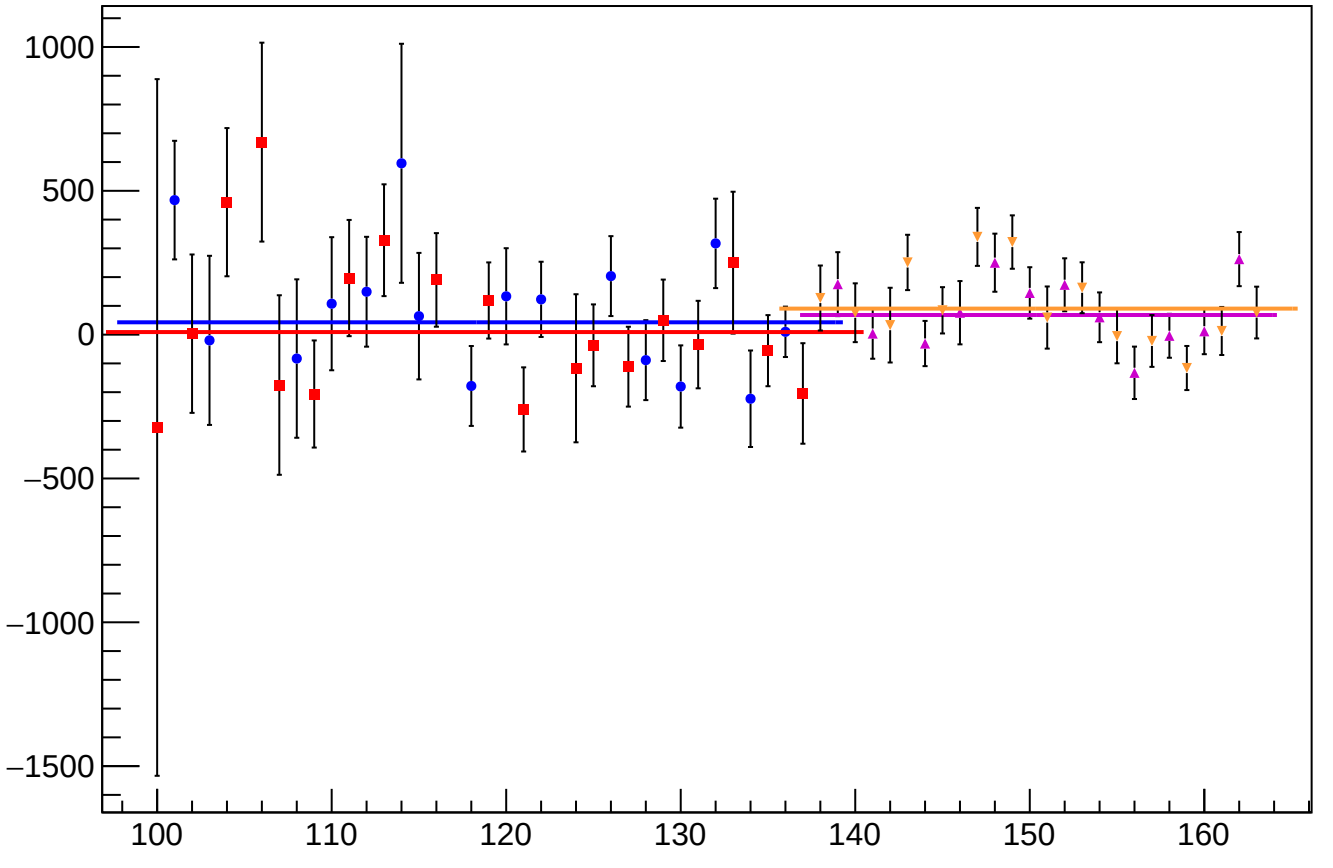
Left: 565.384+/-0.089 χ^2/NDF: 2720455.3/25

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 645.762+/-0.119 χ^2/NDF:5205764.6/27

Out: 651.106+/-0.117 χ^2/NDF:5948049.5/32

All: 648.487+/-0.083 χ^2/NDF: 11154844.9/60



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 90.515+/-25.032 χ^2/NDF:26.9/13

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 68.304+/-25.874 χ^2/NDF:18.9/11

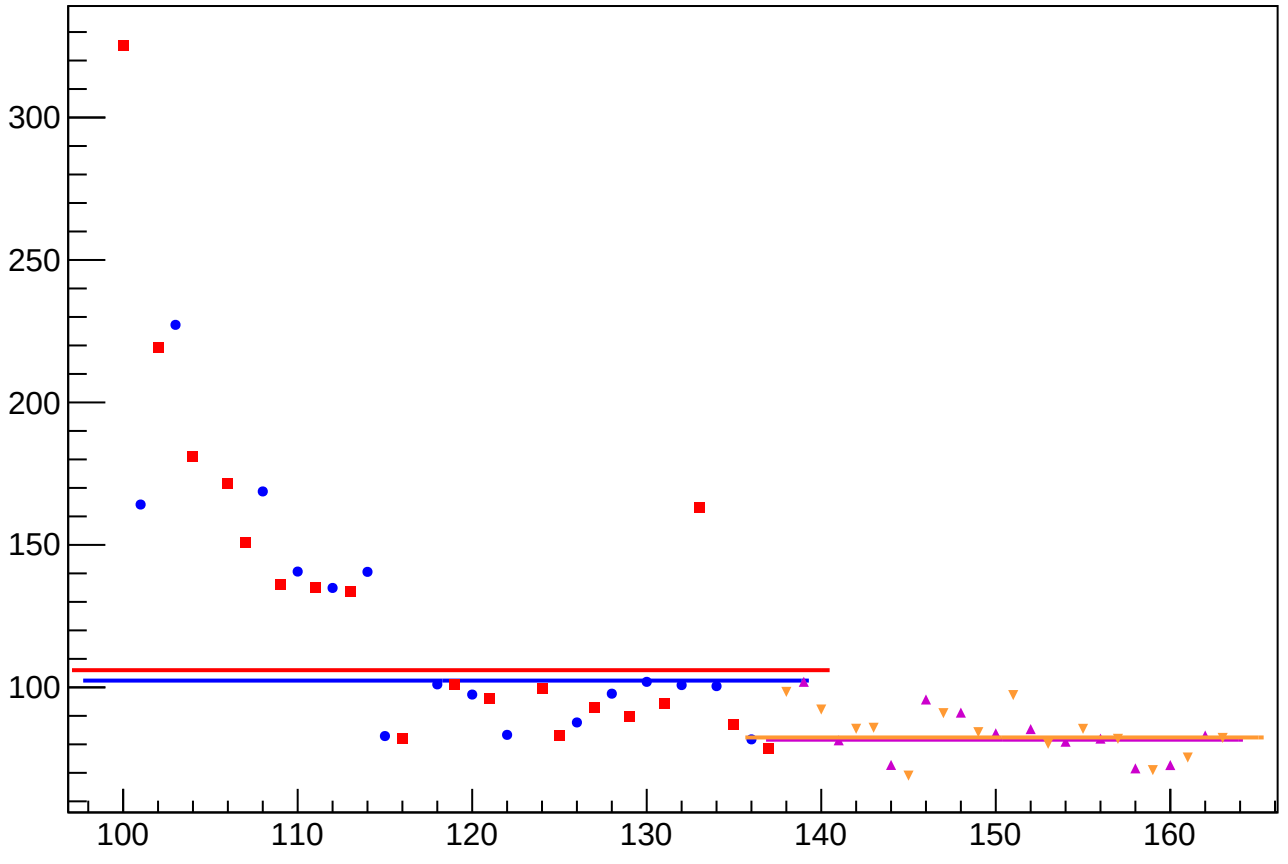
Left: 79.777+/-17.991 χ^2/NDF: 46.2/25

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 60.800+/-21.717 χ^2/NDF:39.5/27

Out: 68.425+/-21.373 χ^2/NDF:51.1/32

All: 64.673+/-15.233 χ^2/NDF: 90.7/60



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 82.420+/-0.018 χ^2/NDF:232812.7/13

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 81.632+/-0.018 χ^2/NDF:207709.6/11

Left: 82.039+/-0.013 χ^2/NDF: 441480.0/25

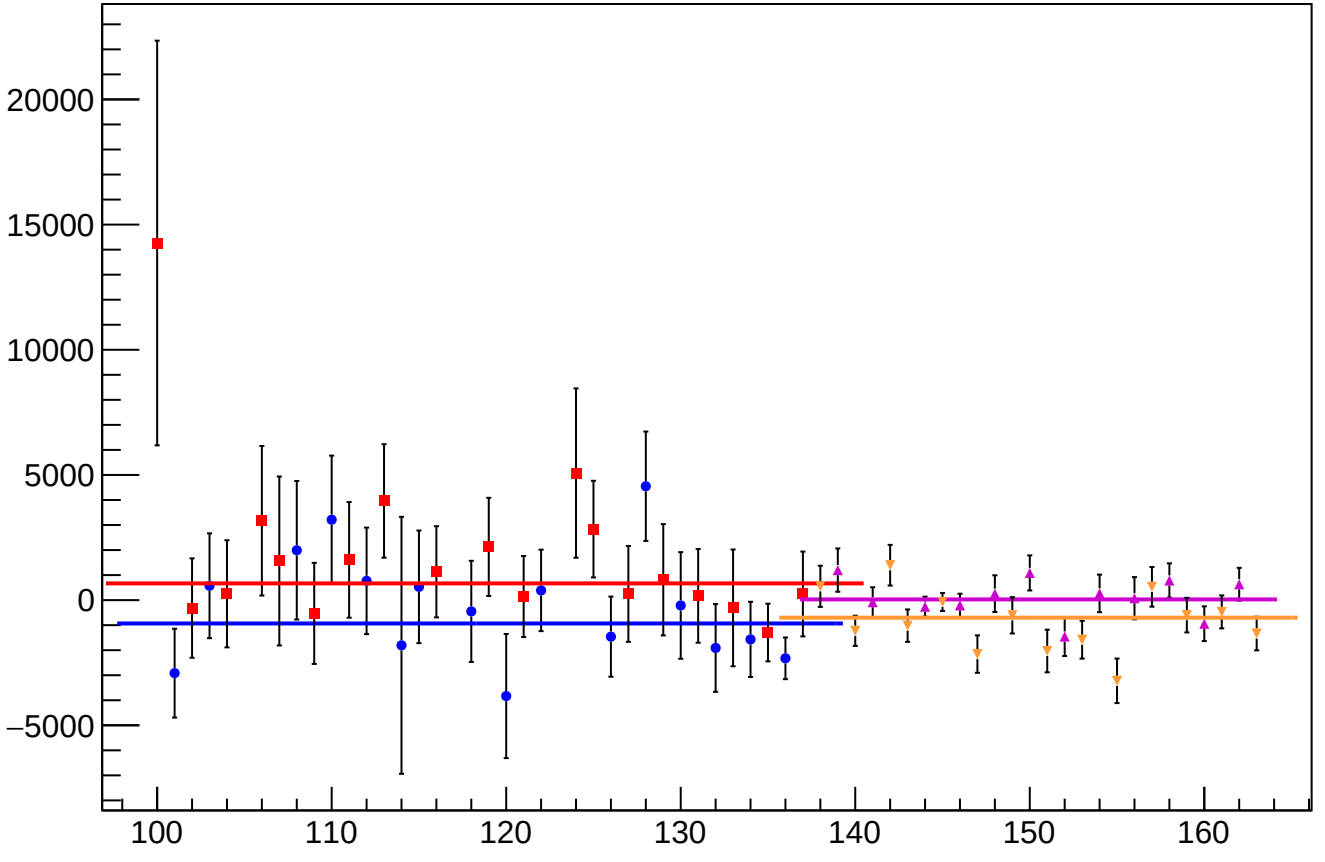
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 87.764+/-0.015 χ^2/NDF:1569996.2/27

Out: 88.818+/-0.015 χ^2/NDF:1906304.3/32

All: 88.299+/-0.011 χ^2/NDF: 3478695.6/60

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -700.915+/-176.328 χ^2/NDF:32.1/13

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 28.047+/-181.658 χ^2/NDF:12.8/11

Left: -347.286+/-126.525 χ^2/NDF: 53.2/25

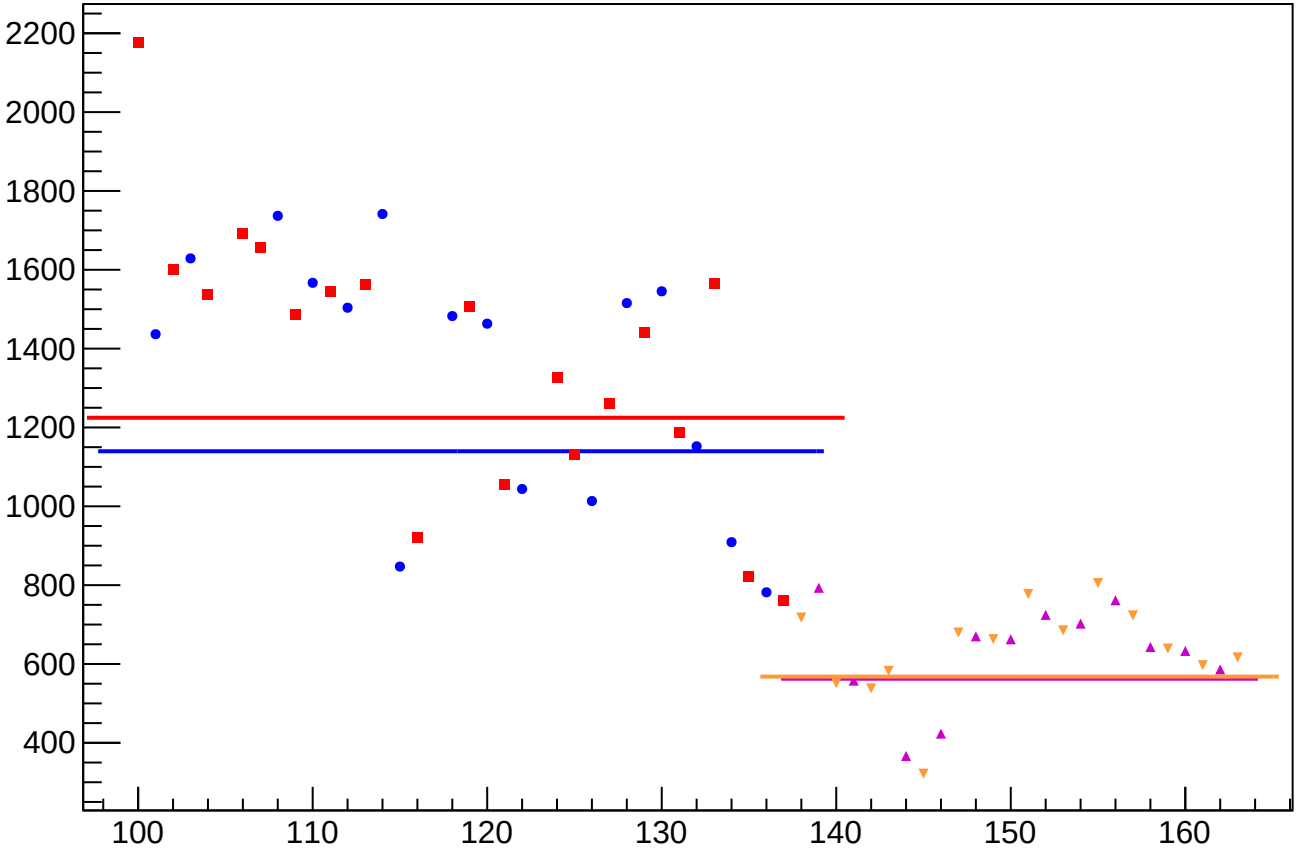
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -110.351+/-168.061 χ^2/NDF:35.3/27

Out: -527.592+/-164.792 χ^2/NDF:53.2/32

All: -323.069+/-117.664 χ^2/NDF: 91.7/60

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 567.998+/-0.125 χ^2/NDF:1515318.6/13

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 562.608+/-0.128 χ^2/NDF:1204256.0/11

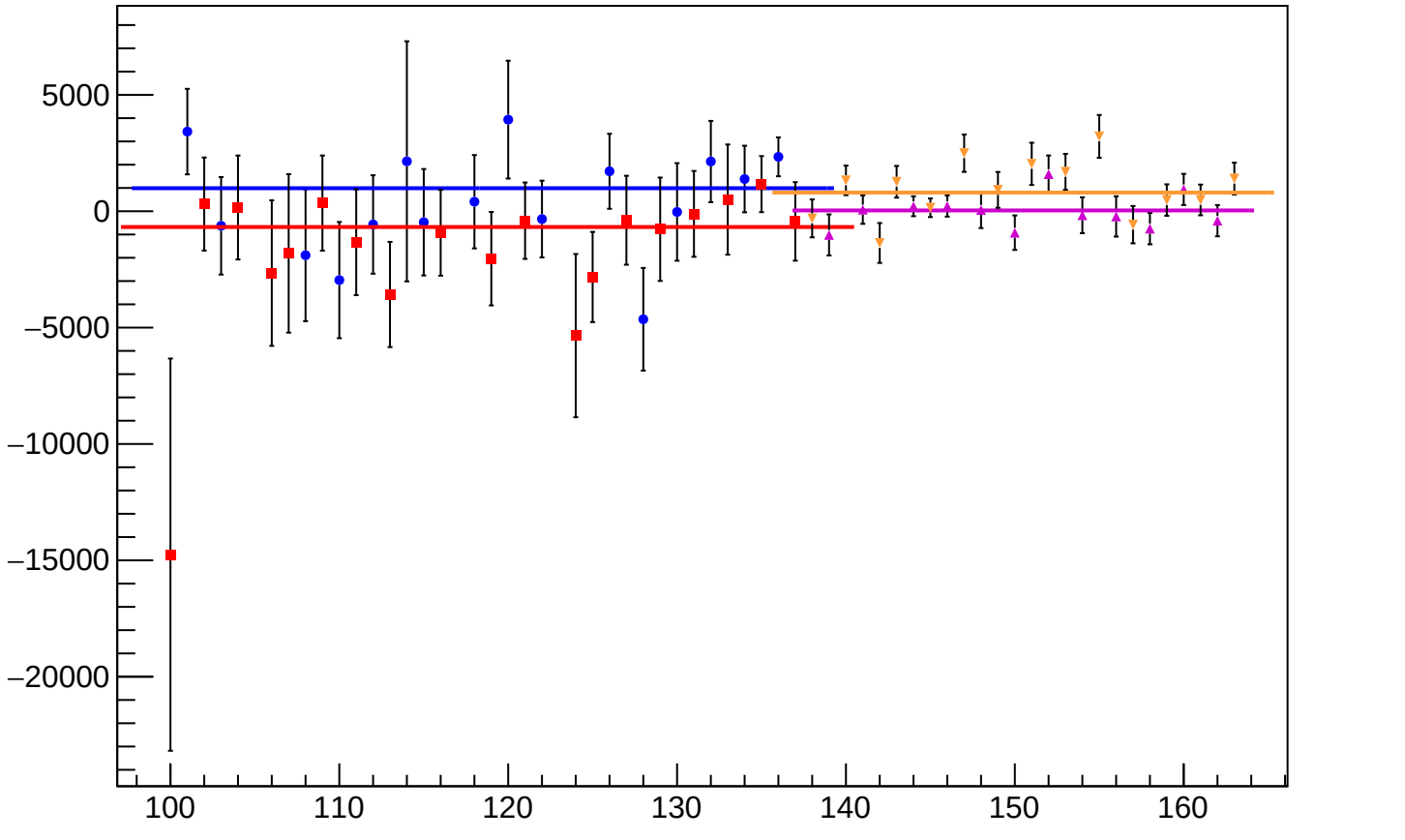
Left: 565.383+/-0.089 χ^2/NDF: 2720480.8/25

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 645.762+/-0.119 χ^2/NDF:5205761.8/27

Out: 651.105+/-0.117 χ^2/NDF:5948065.8/32

All: 648.486+/-0.083 χ^2/NDF: 11154858.4/60



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 801.564+/-184.848 χ^2/NDF:30.8/13

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 34.280+/-185.707 χ^2/NDF:11.0/11

Left: 419.701+/-131.010 χ^2/NDF: 50.3/25

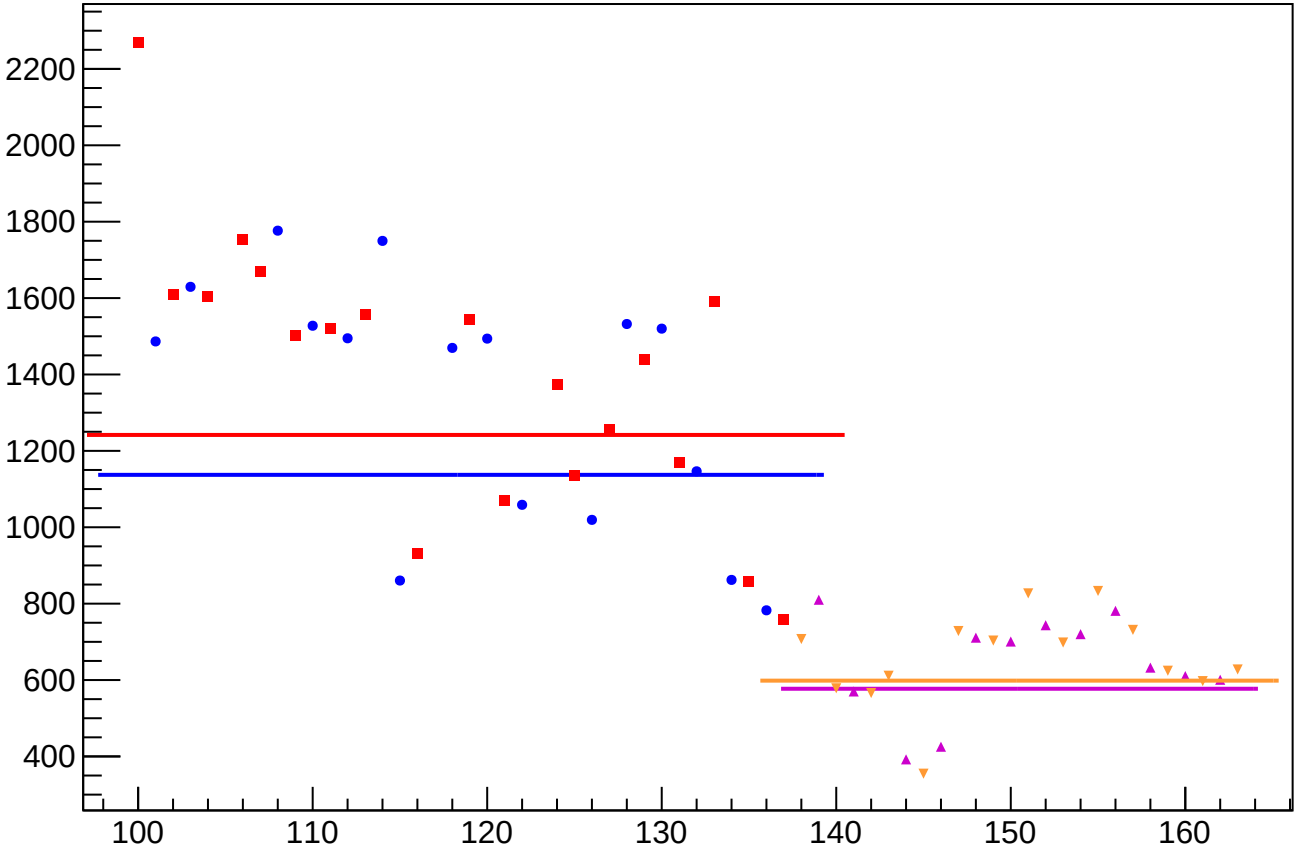
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 177.227+/-171.246 χ^2/NDF:34.0/27

Out: 603.158+/-172.005 χ^2/NDF:51.3/32

All: 389.251+/-121.357 χ^2/NDF: 88.3/60

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 598.435+/-0.131 χ^2/NDF:1225351.8/13

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 577.184+/-0.131 χ^2/NDF:1139248.9/11

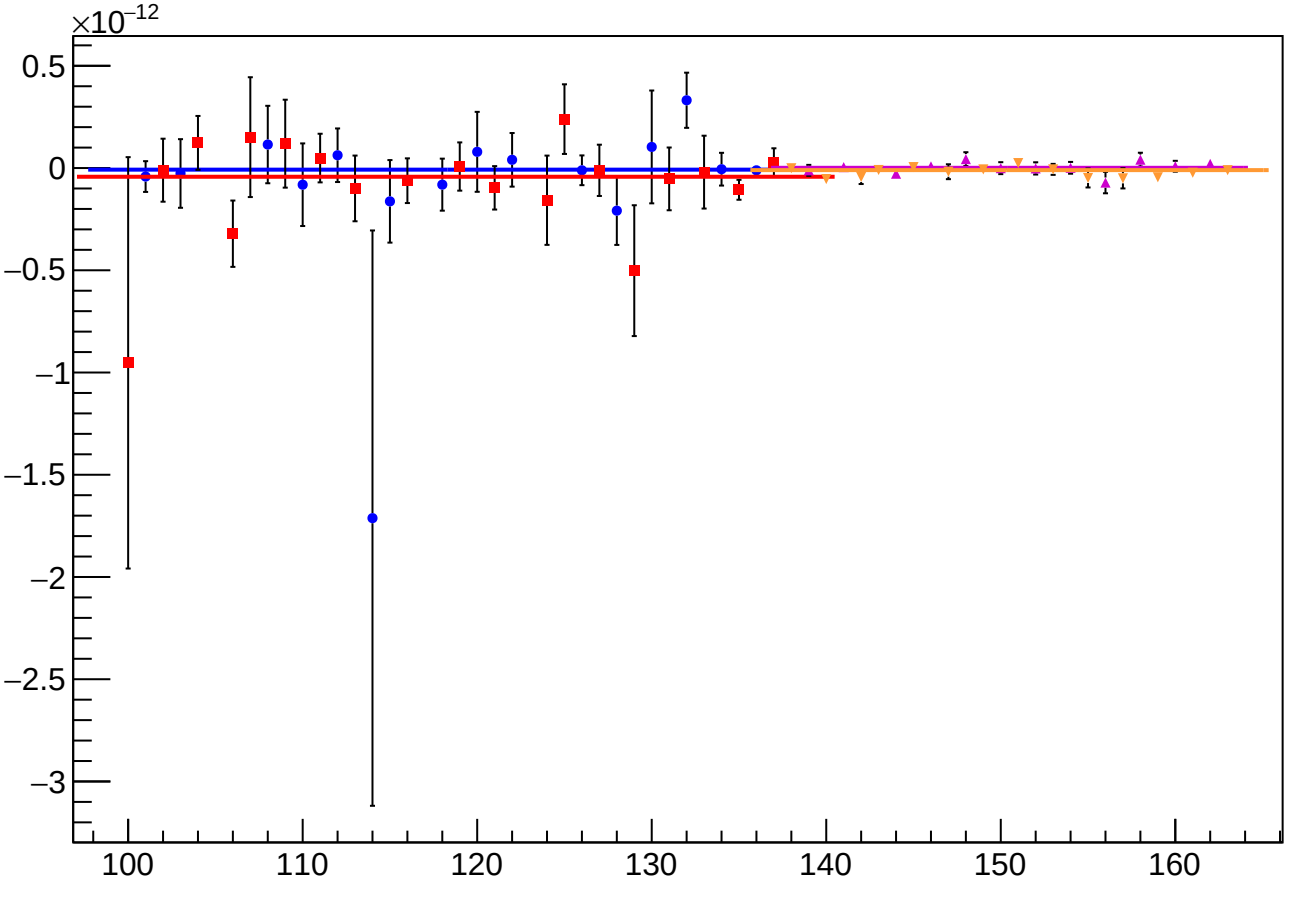
Left: 587.859+/-0.093 χ^2/NDF: 2377757.3/25

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 661.008+/-0.121 χ^2/NDF:4985362.6/27

Out: 684.718+/-0.122 χ^2/NDF:5373560.3/32

All: 672.811+/-0.086 χ^2/NDF: 10378009.6/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/11

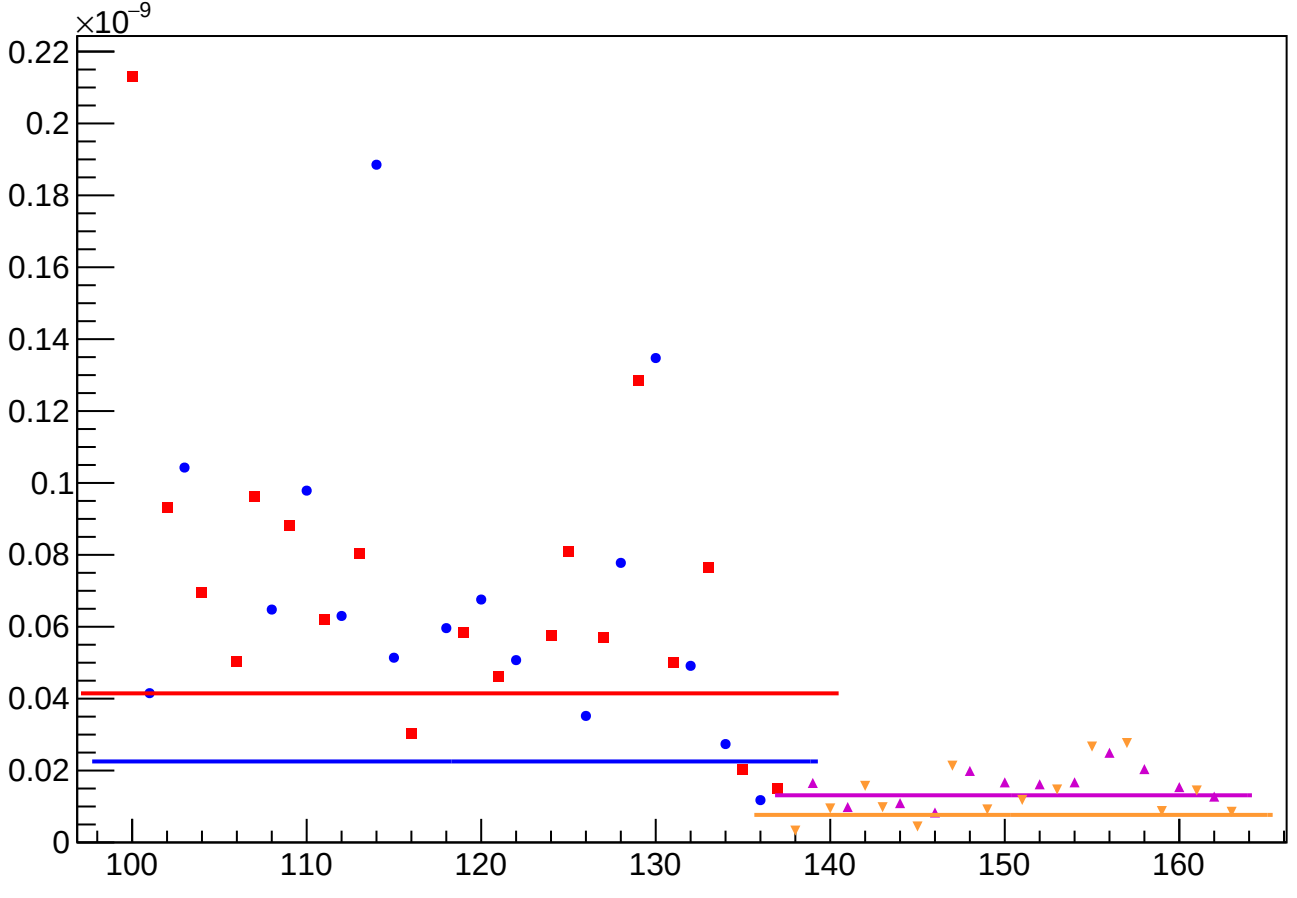
Left: -0.000+/-0.000 χ^2/NDF: 28.9/25

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:21.0/27

Out: -0.000+/-0.000 χ^2/NDF:34.9/32

All: -0.000+/-0.000 χ^2/NDF: 57.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2123874.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:683545.2/11

Left: 0.000+/-0.000 χ^2/NDF: 3638079.8/25

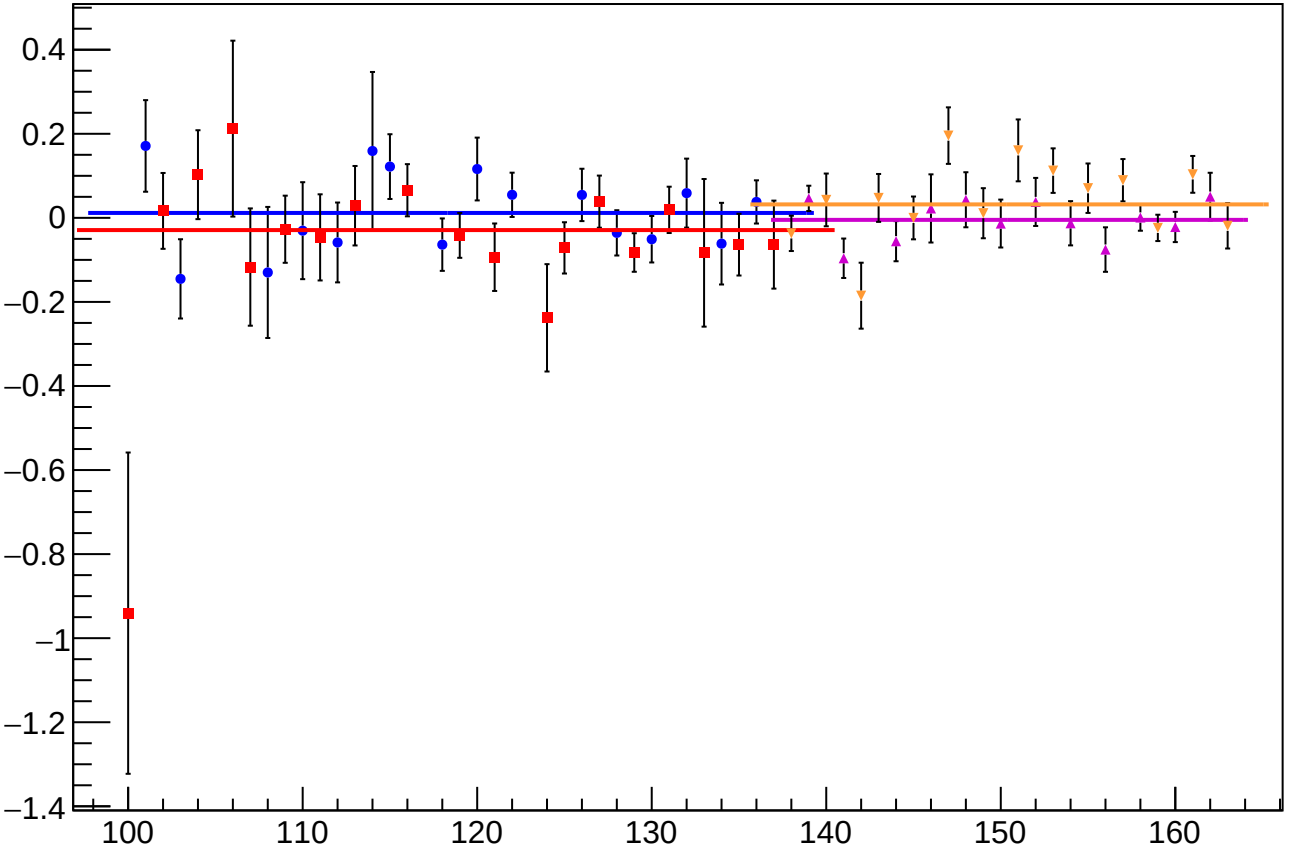
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4042473.2/27

Out: 0.000+/-0.000 χ^2/NDF:6997856.8/32

All: 0.000+/-0.000 χ^2/NDF: 12076663.9/60

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.013 χ^2/NDF:12.0/11

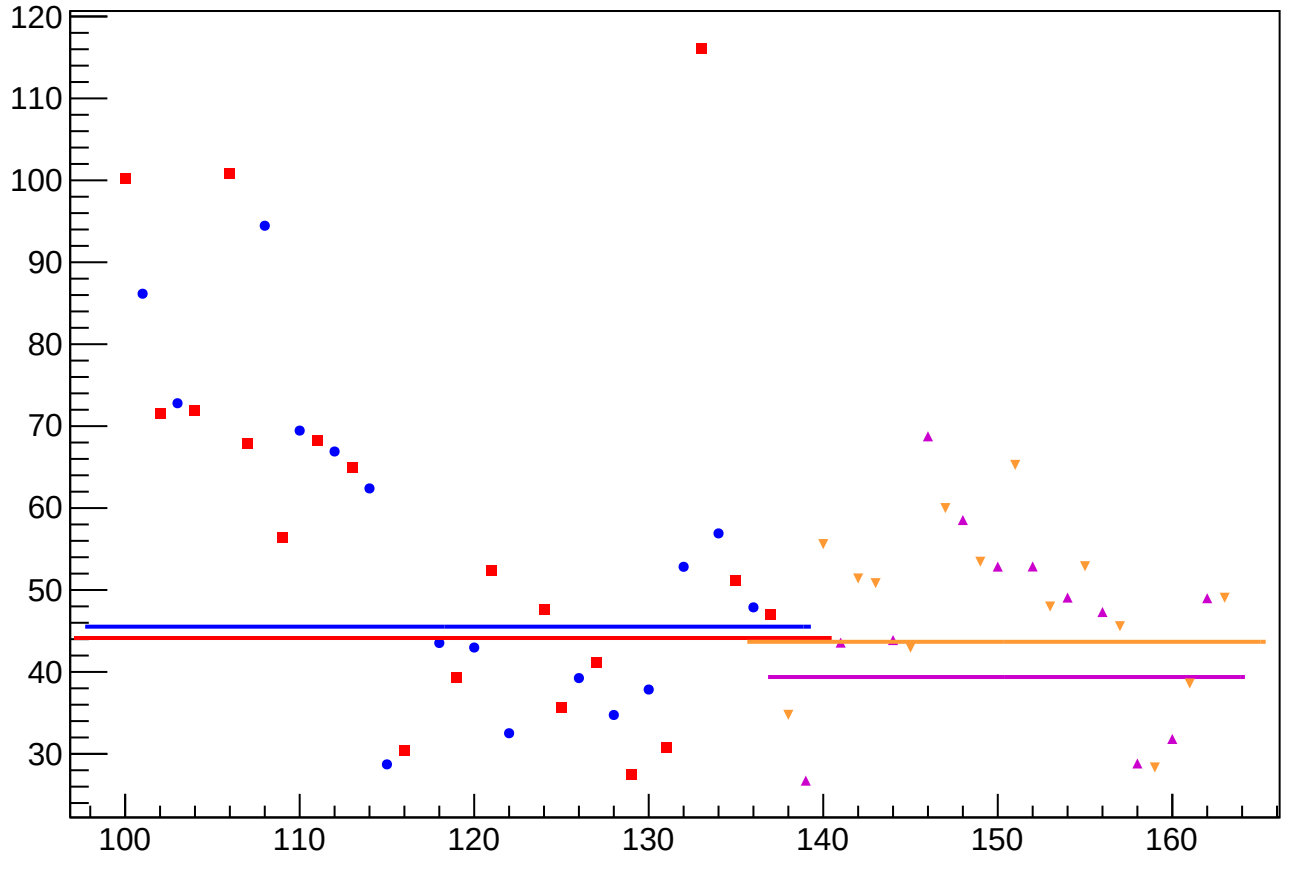
Left: 0.013+/-0.009 χ^2/NDF: 46.5/25

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:29.4/27

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.005+/-0.008 χ^2/NDF: 87.4/60



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.679+/-0.010 χ^2/NDF:1148950.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.380+/-0.009 χ^2/NDF:1526952.6/11

Left: 41.429+/-0.007 χ^2/NDF: 2778169.8/25

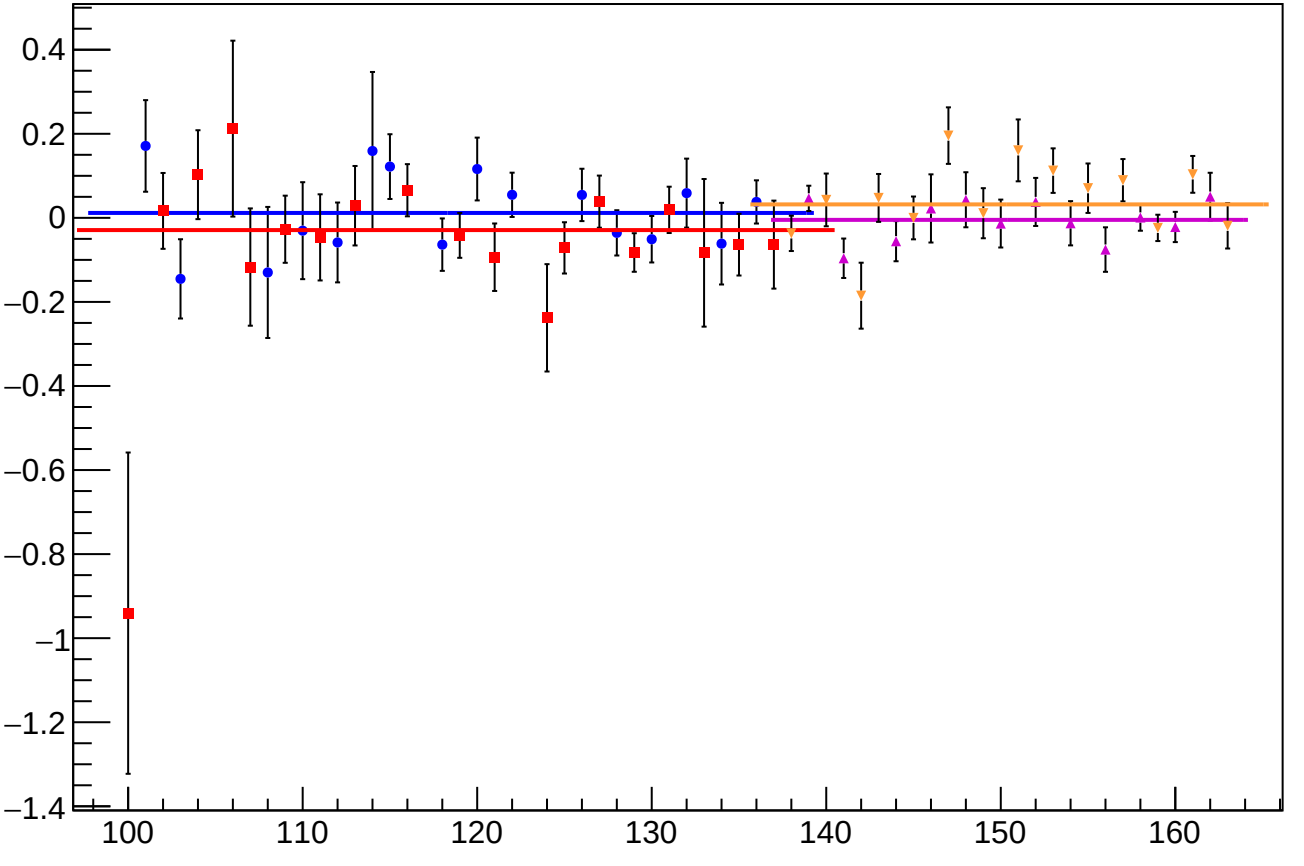
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.464+/-0.008 χ^2/NDF:2929626.6/27

Out: 43.850+/-0.008 χ^2/NDF:2893221.5/32

All: 42.632+/-0.005 χ^2/NDF: 5871792.1/60

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.013 χ^2/NDF:12.0/11

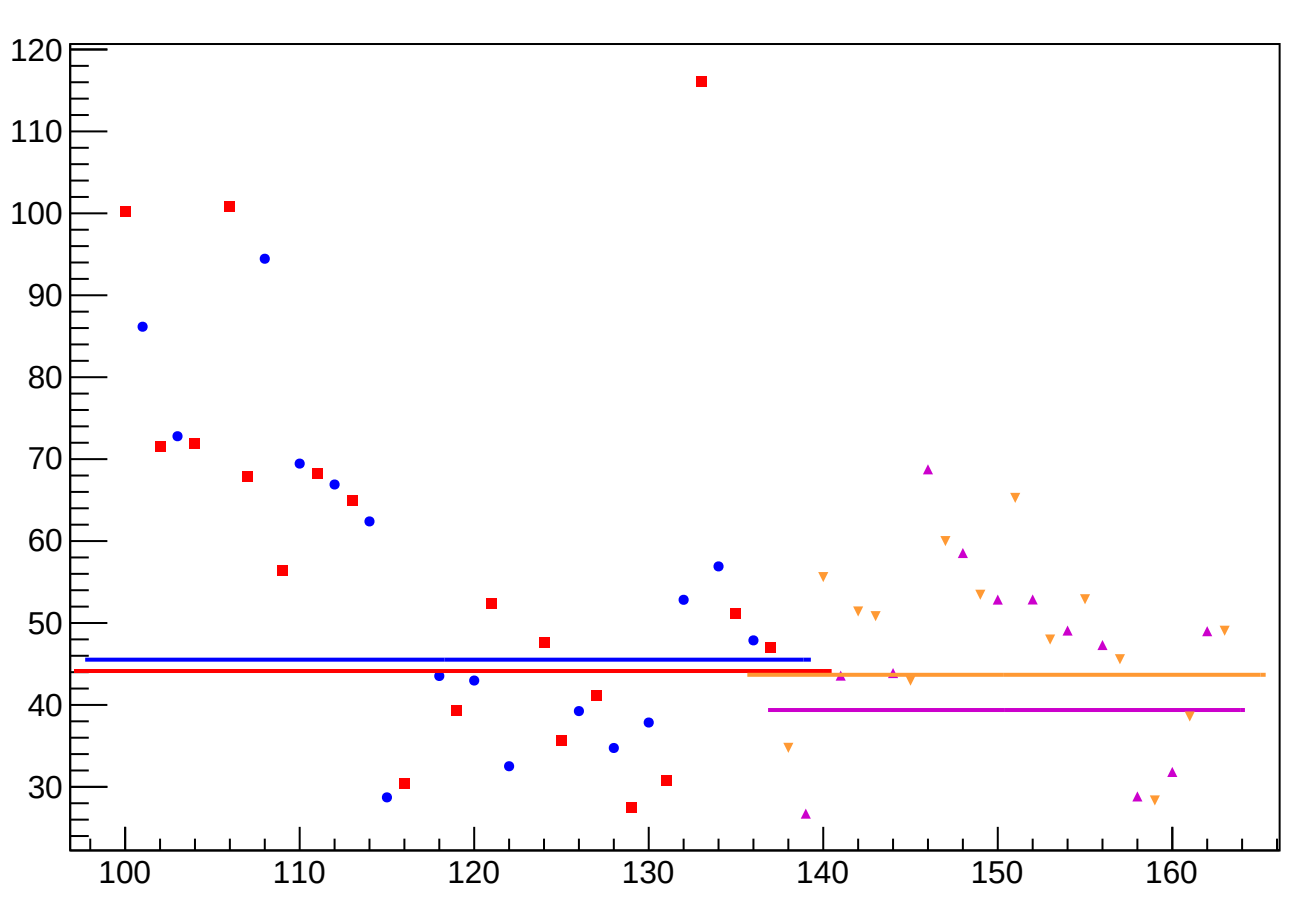
Left: 0.013+/-0.009 χ^2/NDF: 46.5/25

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:29.4/27

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.005+/-0.008 χ^2/NDF: 87.4/60



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 43.679+/-0.010 χ^2/NDF:1148950.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.380+/-0.009 χ^2/NDF:1526952.6/11

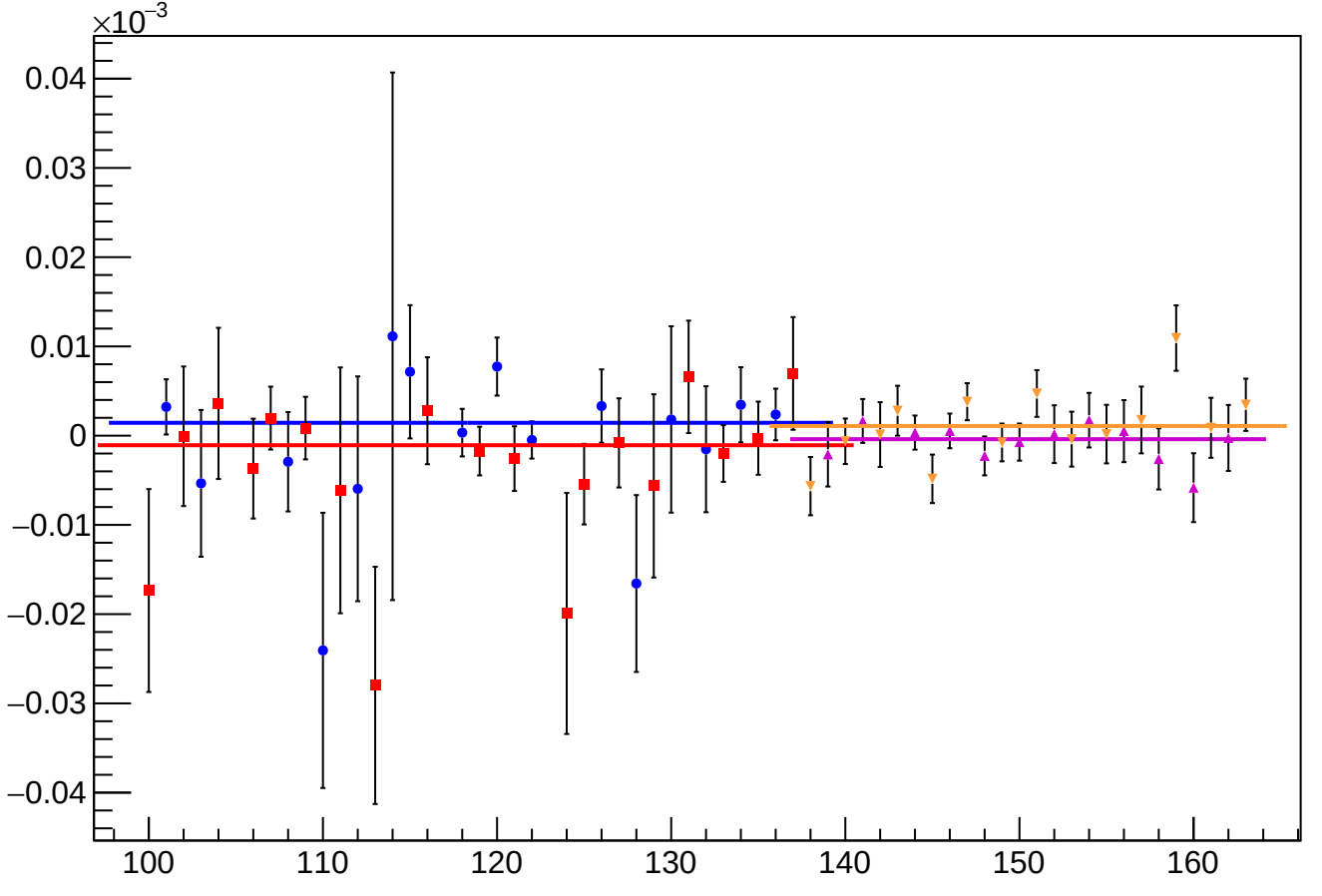
Left: 41.429+/-0.007 χ^2/NDF: 2778169.8/25

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.464+/-0.008 χ^2/NDF:2929626.6/27

Out: 43.850+/-0.008 χ^2/NDF:2893221.5/32

All: 42.632+/-0.005 χ^2/NDF: 5871792.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/11

Left: 0.000+/-0.000 χ^2/NDF: 29.5/25

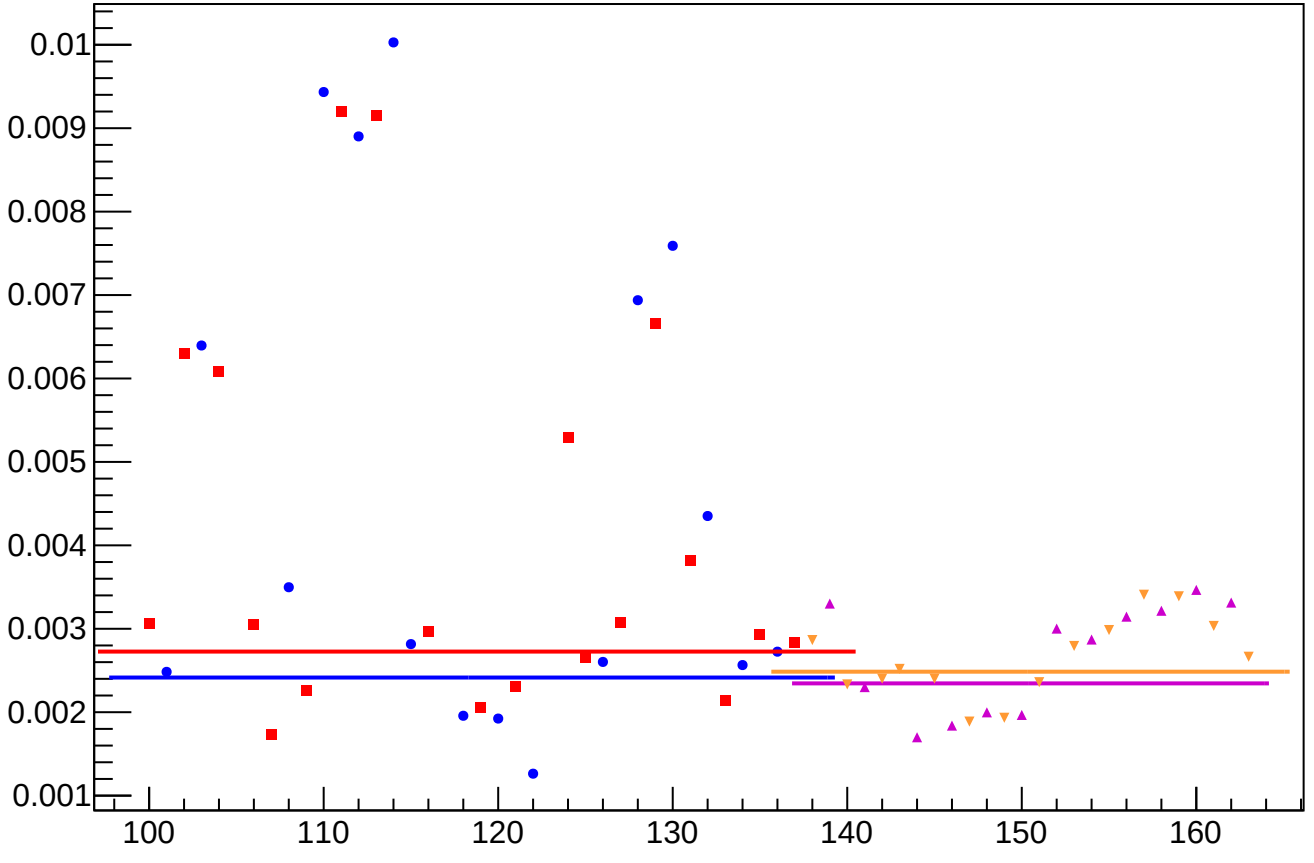
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:21.3/27

Out: 0.000+/-0.000 χ^2/NDF:39.9/32

All: 0.000+/-0.000 χ^2/NDF: 61.2/60

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:714369.3/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1304408.2/11

Left: 0.002+/-0.000 χ^2/NDF: 2052876.0/25

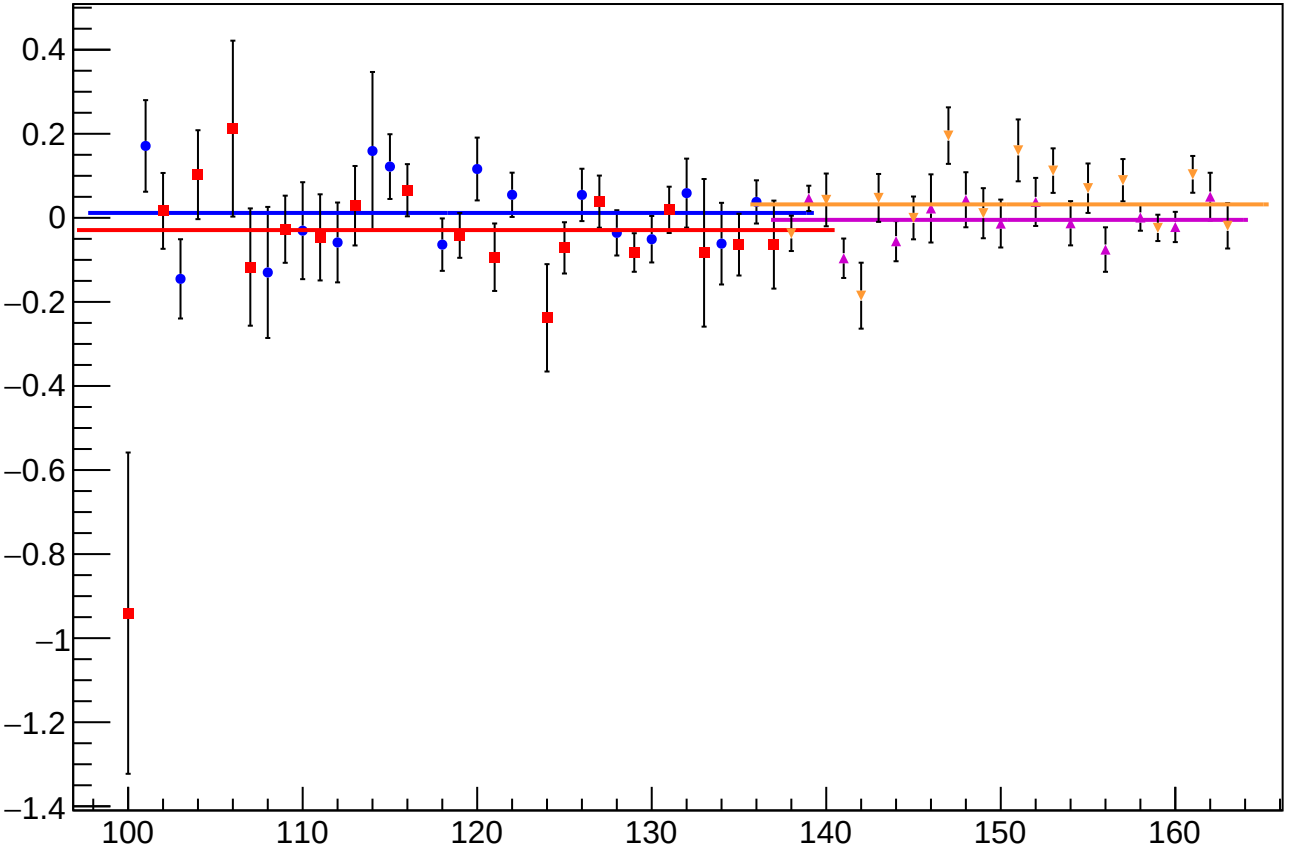
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4742433.9/27

Out: 0.003+/-0.000 χ^2/NDF:3282794.5/32

All: 0.002+/-0.000 χ^2/NDF: 8120222.5/60

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.013 χ^2/NDF:12.0/11

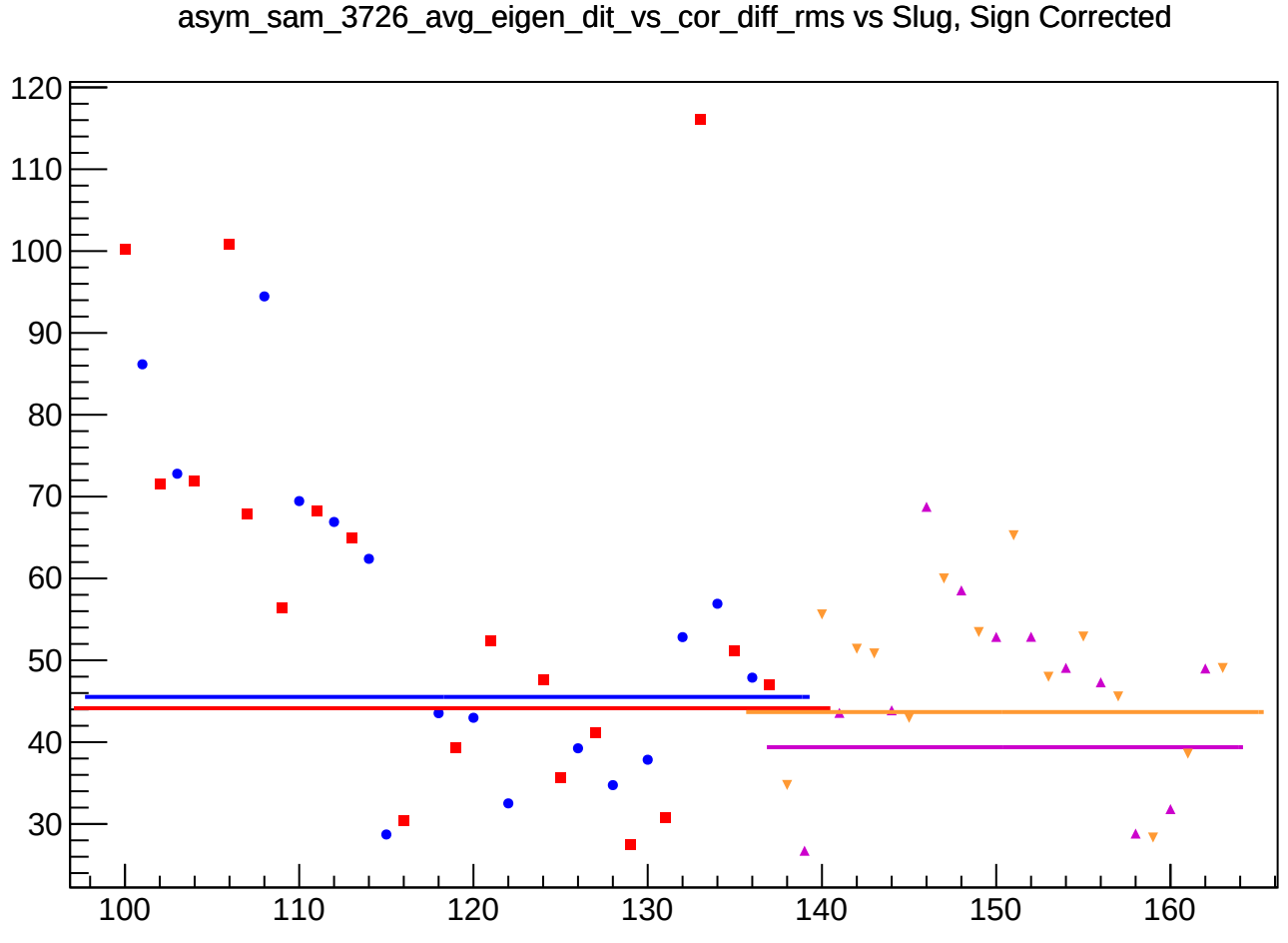
Left: 0.013+/-0.009 χ^2/NDF: 46.5/25

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:29.4/27

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.005+/-0.008 χ^2/NDF: 87.4/60



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.679+/-0.010 χ^2/NDF:1149005.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.380+/-0.009 χ^2/NDF:1527006.7/11

Left: 41.429+/-0.007 χ^2/NDF: 2778279.3/25

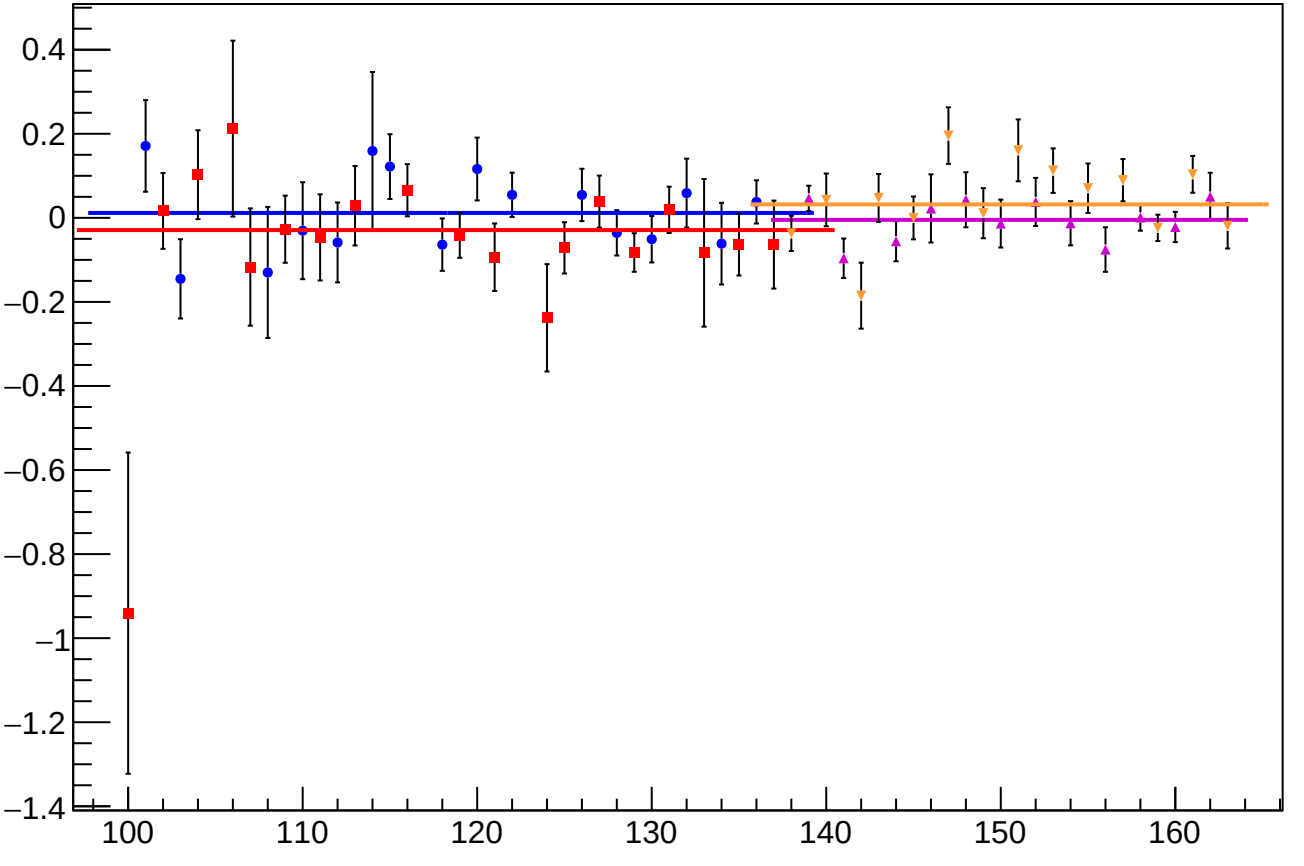
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.464+/-0.008 χ^2/NDF:2929626.8/27

Out: 43.851+/-0.008 χ^2/NDF:2893197.2/32

All: 42.632+/-0.005 χ^2/NDF: 5871772.8/60

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: 0.032+/-0.014 χ^2/NDF:30.7/13

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: -0.005+/-0.013 χ^2/NDF:12.0/11

Left: 0.013+/-0.009 χ^2/NDF: 46.5/25

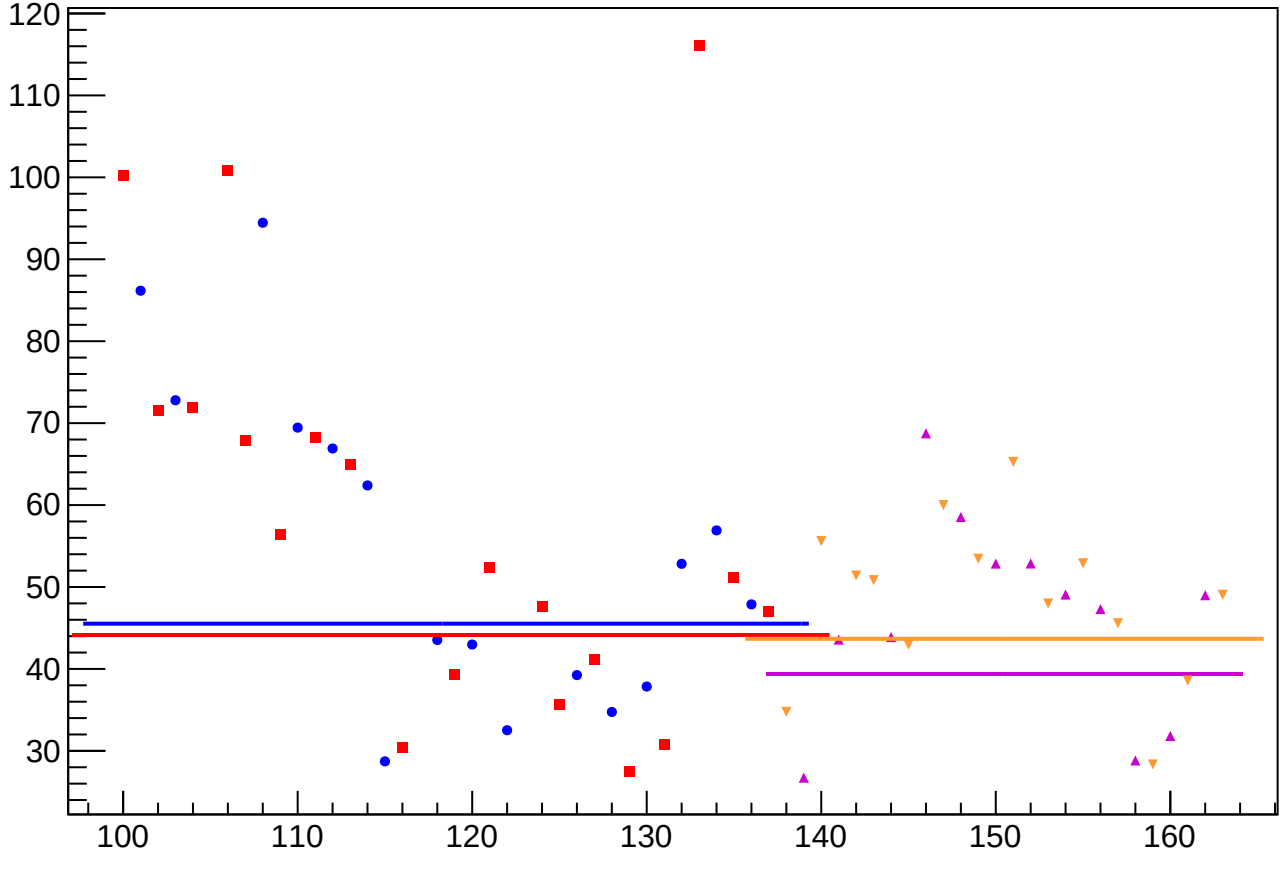
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.001+/-0.011 χ^2/NDF:29.4/27

Out: 0.009+/-0.011 χ^2/NDF:57.6/32

All: 0.005+/-0.008 χ^2/NDF: 87.4/60

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 43.679+/-0.010 χ^2/NDF:1149005.6/13

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.380+/-0.009 χ^2/NDF:1527006.7/11

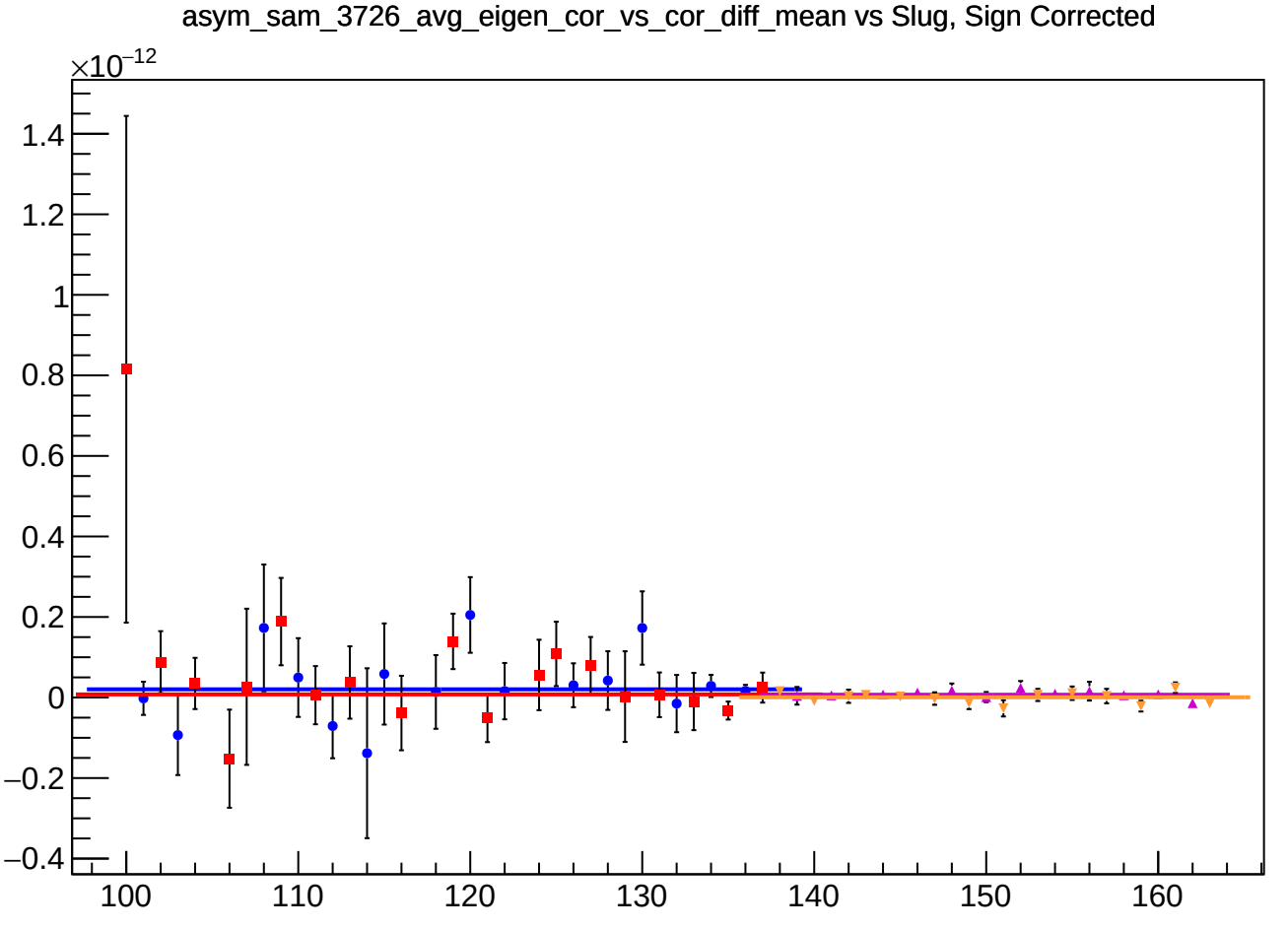
Left: 41.429+/-0.007 χ^2/NDF: 2778279.3/25

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.464+/-0.008 χ^2/NDF:2929626.8/27

Out: 43.851+/-0.008 χ^2/NDF:2893197.2/32

All: 42.632+/-0.005 χ^2/NDF: 5871772.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:5.1/11

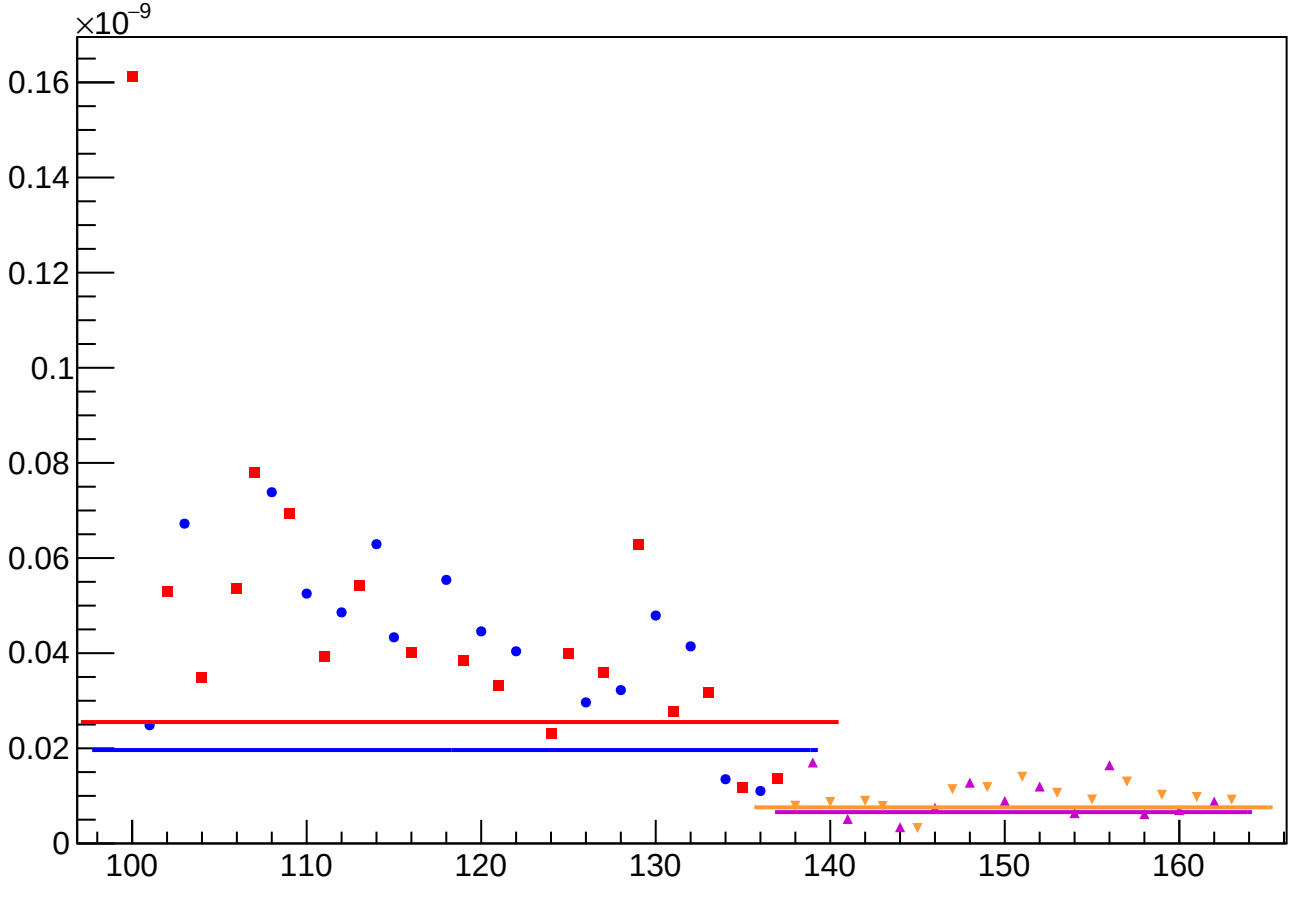
Left: 0.000+/-0.000 χ^2/NDF: 20.3/25

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:18.2/27

Out: 0.000+/-0.000 χ^2/NDF:32.2/32

All: 0.000+/-0.000 χ^2/NDF: 53.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2165839.4/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2079846.0/11

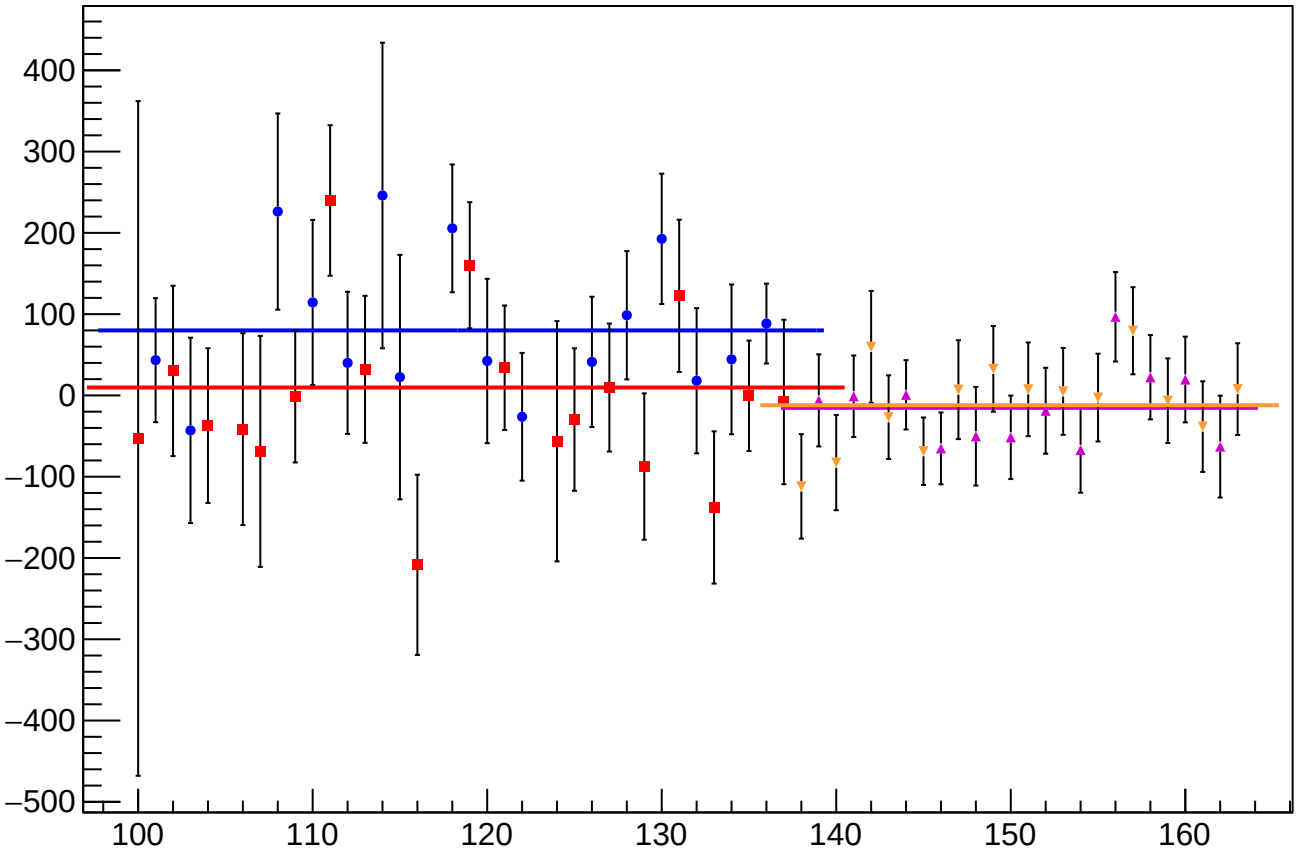
Left: 0.000+/-0.000 χ^2/NDF: 4348166.6/25

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7854039.4/27

Out: 0.000+/-0.000 χ^2/NDF:8120003.1/32

All: 0.000+/-0.000 χ^2/NDF: 16082157.1/60



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.053+/-14.619 χ^2/NDF:11.2/13

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -15.265+/-14.981 χ^2/NDF:9.0/11

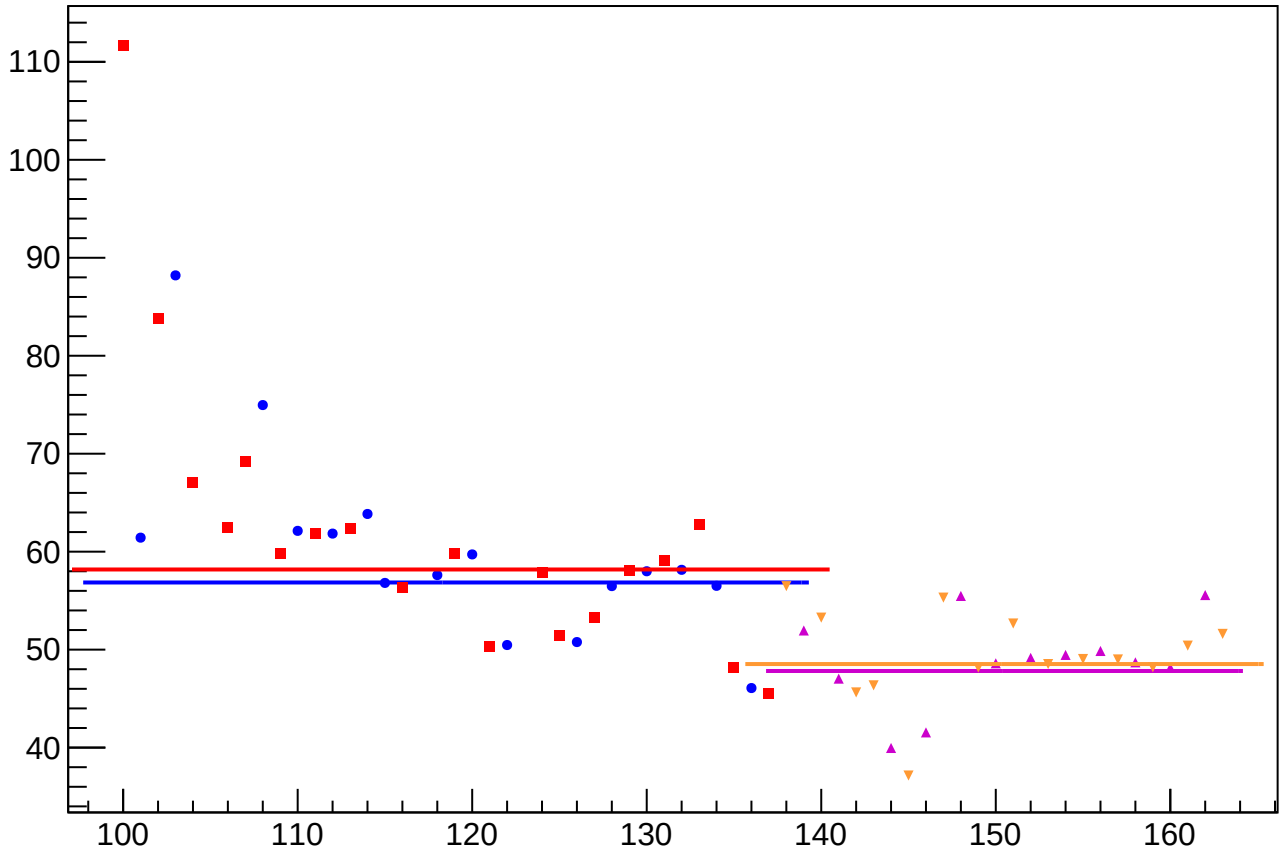
Left: -13.620+/-10.463 χ^2/NDF: 20.3/25

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 15.918+/-12.287 χ^2/NDF:33.8/27

Out: -5.217+/-12.110 χ^2/NDF:32.3/32

All: 5.198+/-8.625 χ^2/NDF: 67.6/60



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 47.820+/-0.011 χ^2/NDF:188821.1/11

Left: 48.183+/-0.007 χ^2/NDF: 436191.6/25

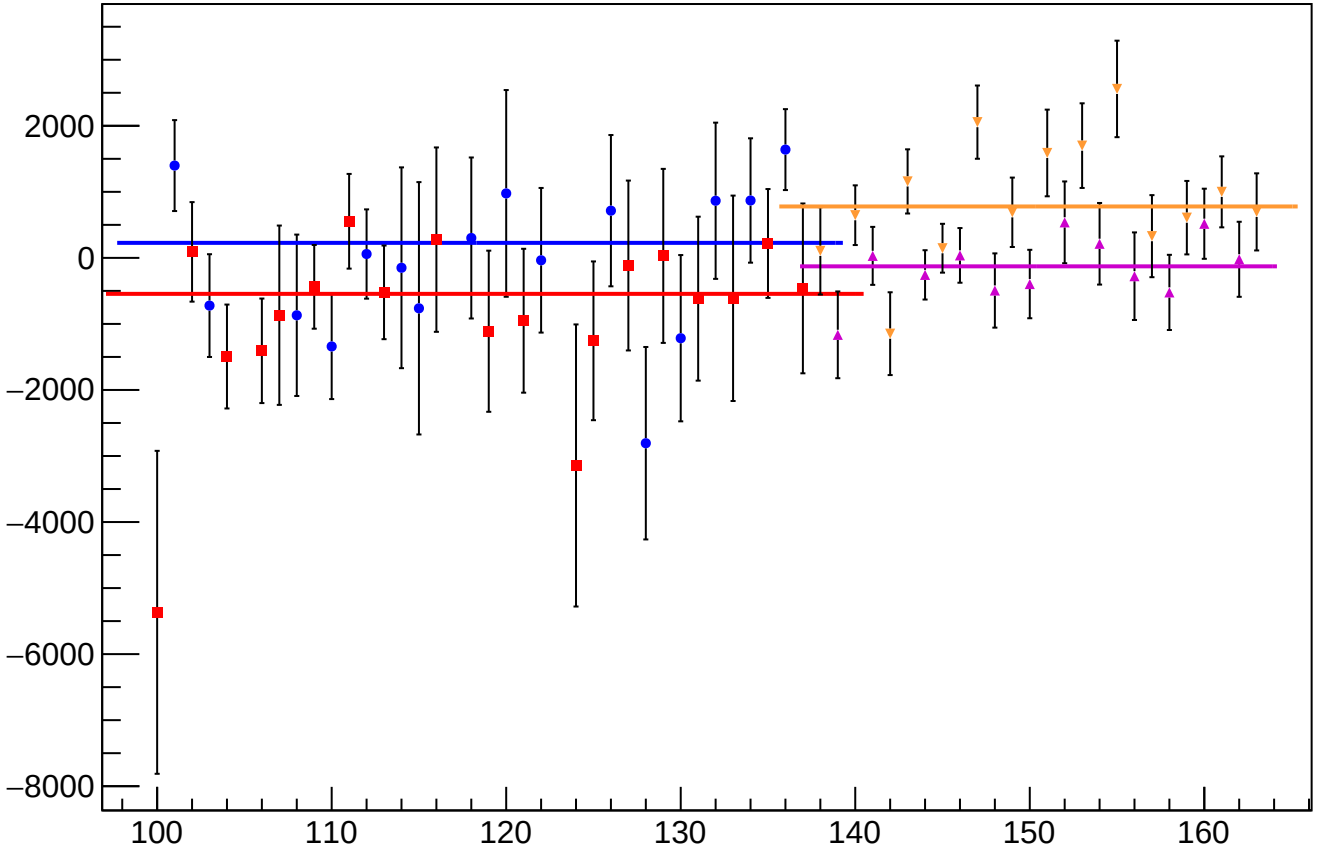
Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 50.778+/-0.009 χ^2/NDF:768506.3/27

Out: 51.558+/-0.009 χ^2/NDF:833392.4/32

All: 51.173+/-0.006 χ^2/NDF: 1605988.4/60

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 778.554+/-145.873 χ^2/NDF:29.8/13

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -128.105+/-149.679 χ^2/NDF:7.1/11

Left: 336.897+/-104.468 χ^2/NDF: 55.7/25

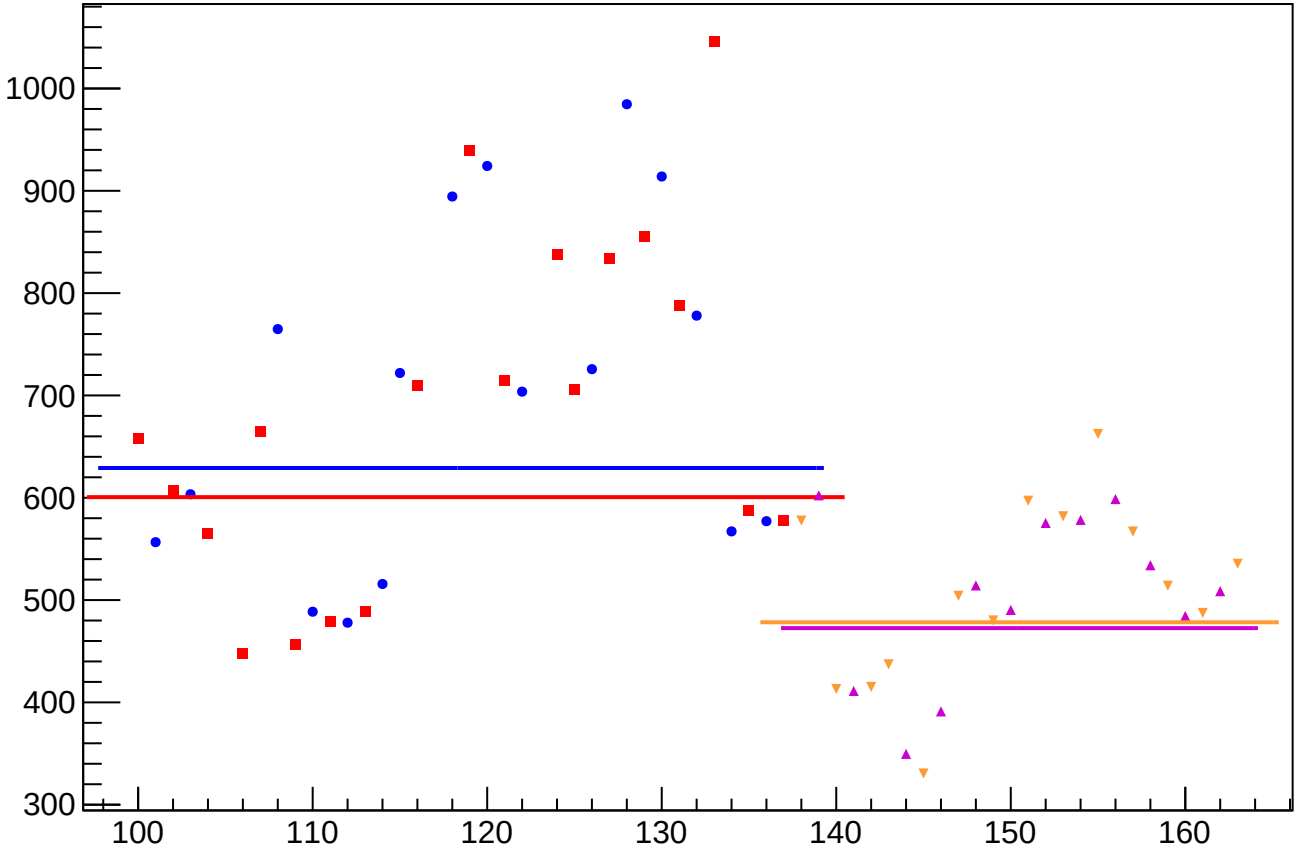
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -29.250+/-127.184 χ^2/NDF:30.3/27

Out: 392.381+/-122.757 χ^2/NDF:67.1/32

All: 189.031+/-88.326 χ^2/NDF: 103.1/60

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: 478.294+/-0.103 χ^2/NDF:759027.5/13

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 472.580+/-0.106 χ^2/NDF:642913.5/11

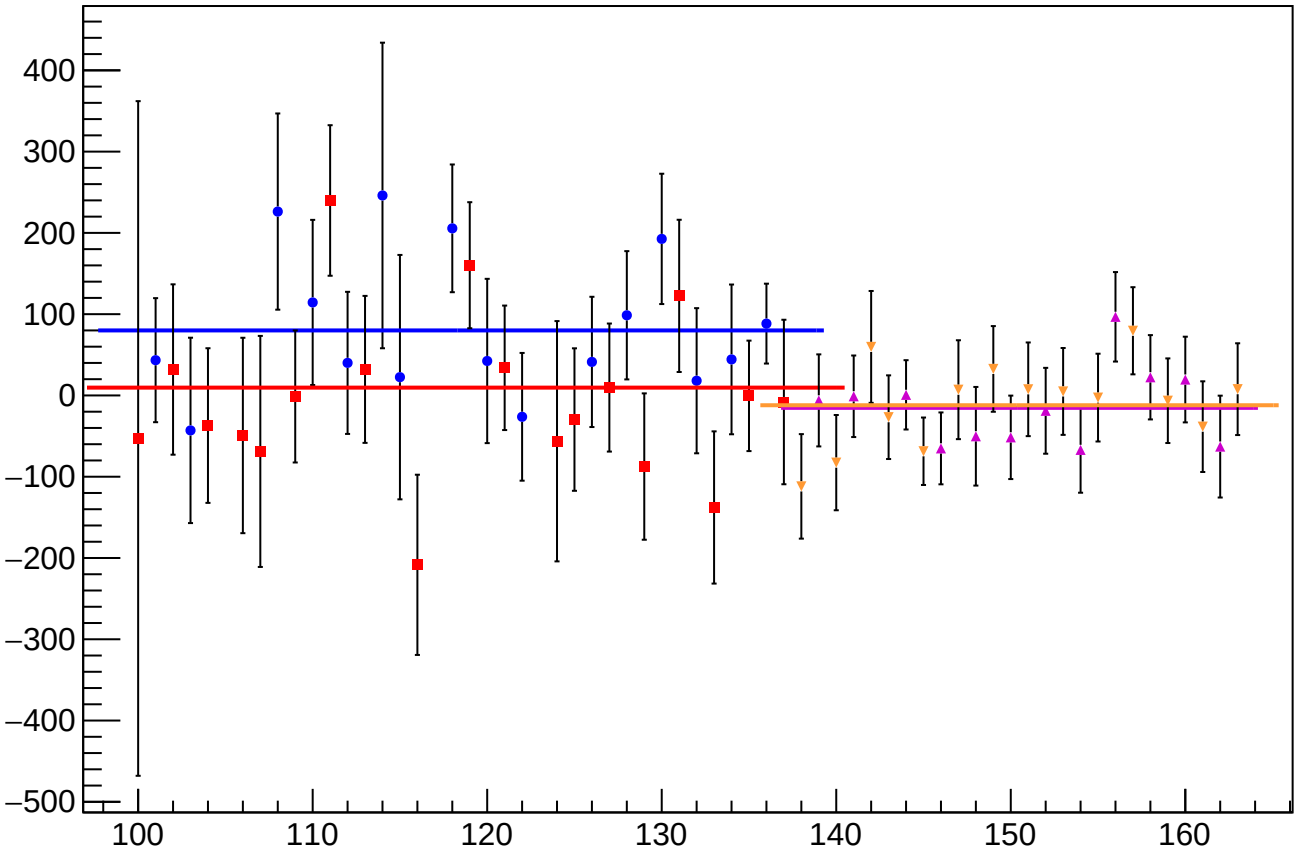
Left: 475.511+/-0.074 χ^2/NDF: 1403436.3/25

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 516.089+/-0.090 χ^2/NDF:1943561.2/27

Out: 513.984+/-0.087 χ^2/NDF:2043880.8/32

All: 514.999+/-0.062 χ^2/NDF: 3987725.7/60



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.267+/-14.981 χ^2/NDF:9.0/11

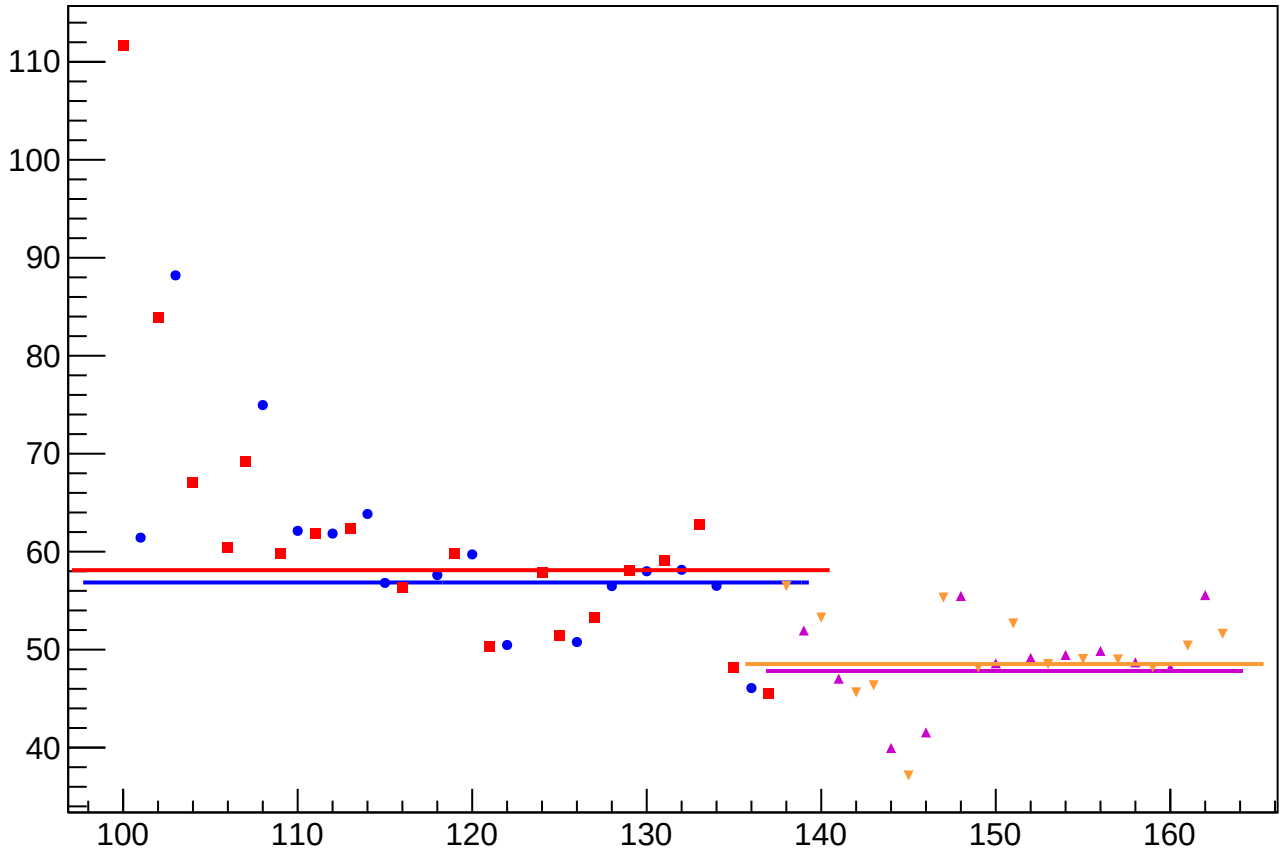
Left: -13.622+/-10.463 χ^2/NDF: 20.3/25

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 15.919+/-12.287 χ^2/NDF:33.8/27

Out: -5.259+/-12.112 χ^2/NDF:32.3/32

All: 5.179+/-8.626 χ^2/NDF: 67.6/60



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.820+/-0.011 χ^2/NDF:188821.1/11

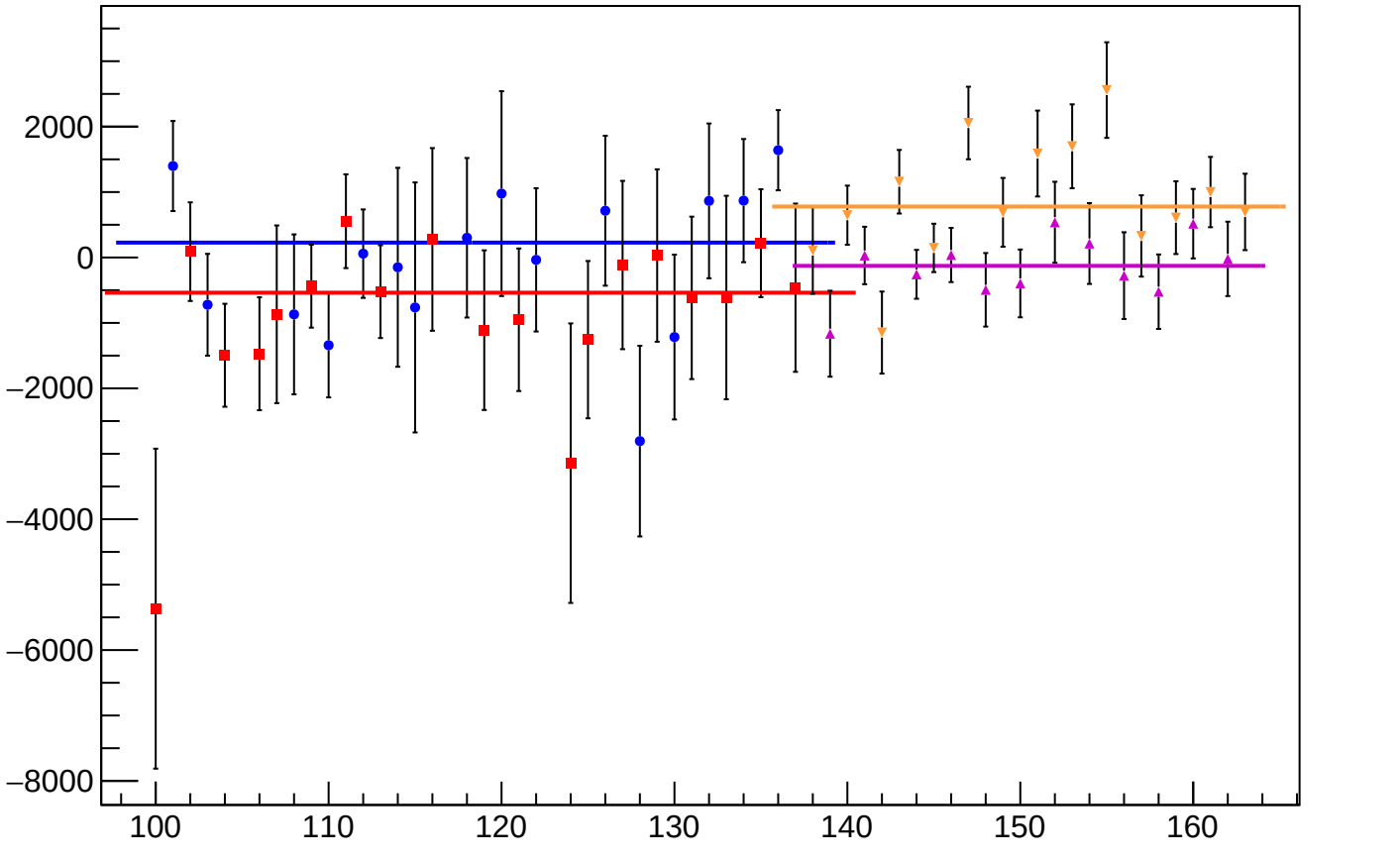
Left: 48.183+/-0.007 χ^2/NDF: 436191.6/25

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.778+/-0.009 χ^2/NDF:768510.3/27

Out: 51.533+/-0.009 χ^2/NDF:827442.8/32

All: 51.161+/-0.006 χ^2/NDF: 1599786.2/60



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 778.553+/-145.873 χ^2/NDF:29.8/13

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -128.108+/-149.679 χ^2/NDF:7.1/11

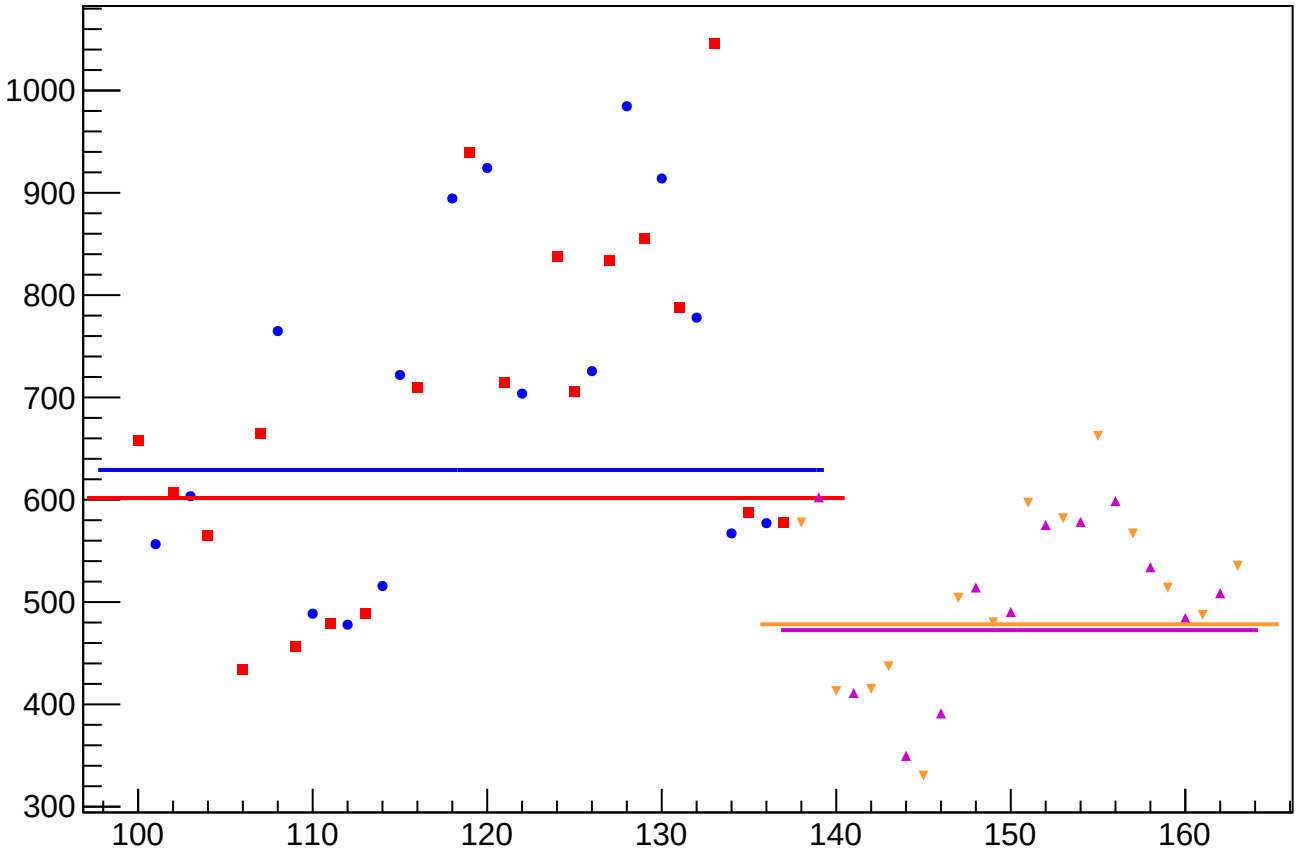
Left: 336.895+/-104.468 χ^2/NDF: 55.7/25

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -29.242+/-127.185 χ^2/NDF:30.3/27

Out: 397.920+/-122.994 χ^2/NDF:66.6/32

All: 191.492+/-88.414 χ^2/NDF: 102.8/60



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 472.580+/-0.106 χ^2/NDF:642912.0/11

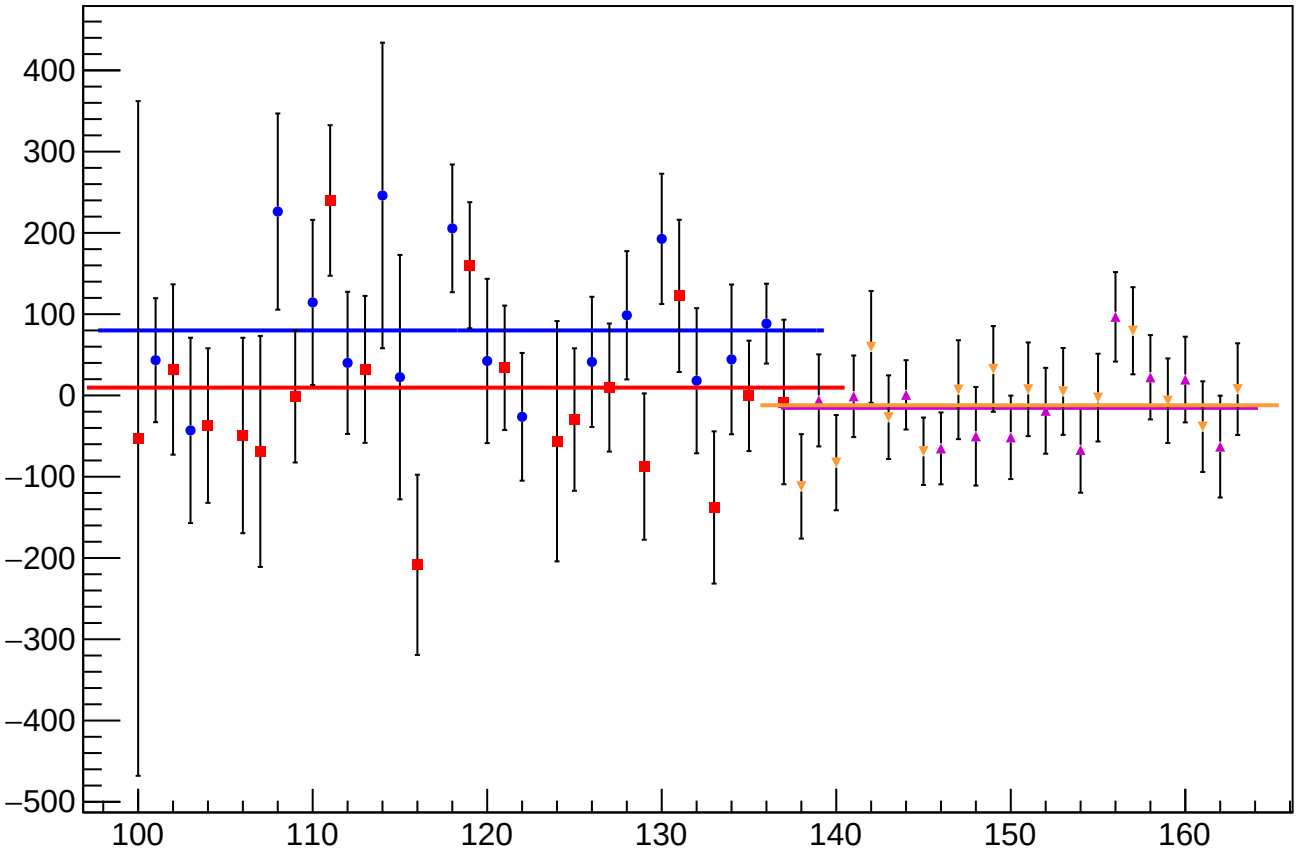
Left: 475.511+/-0.074 χ^2/NDF: 1403436.0/25

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.090+/-0.090 χ^2/NDF:1943581.0/27

Out: 513.975+/-0.087 χ^2/NDF:2046997.2/32

All: 514.997+/-0.063 χ^2/NDF: 3990863.9/60



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -12.055+/-14.619 χ^2/NDF:11.2/13

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -15.267+/-14.981 χ^2/NDF:9.0/11

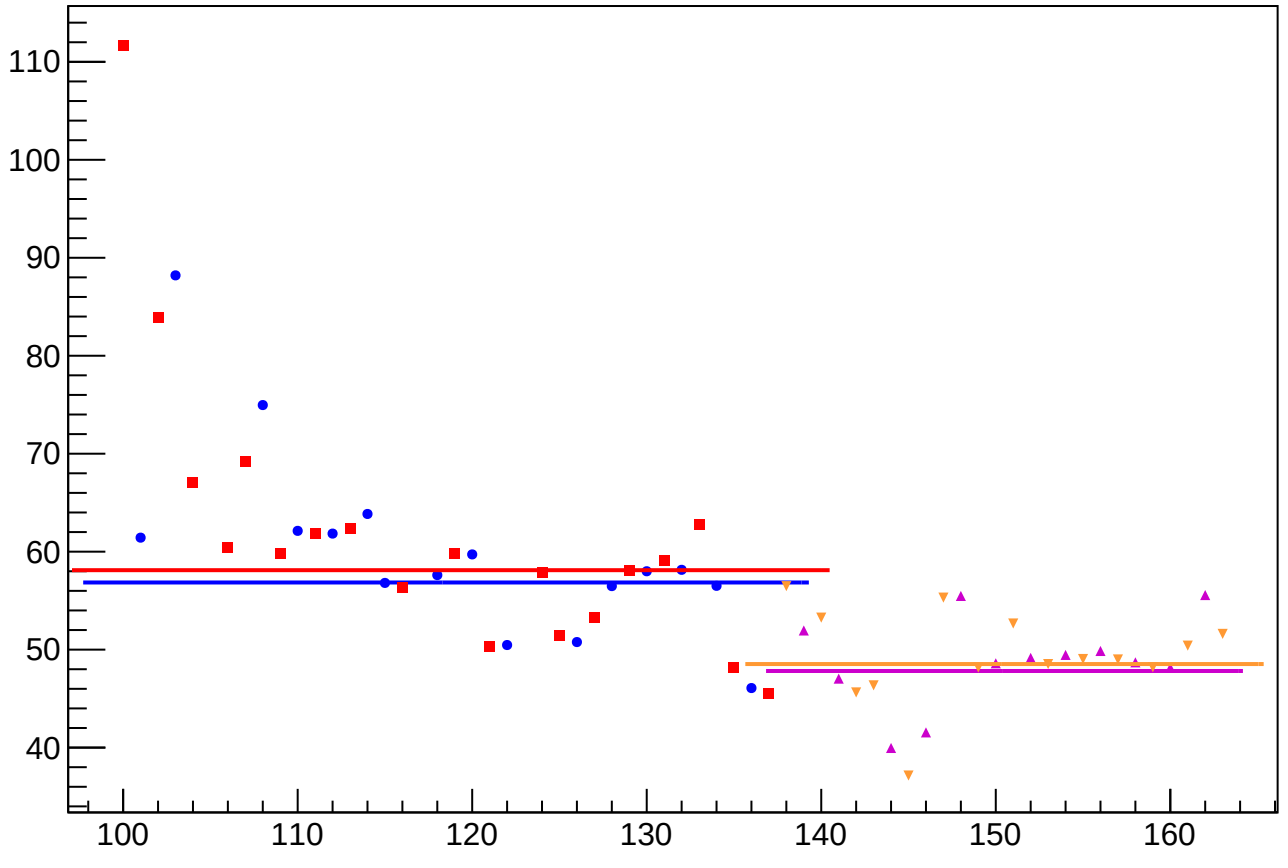
Left: -13.622+/-10.463 χ^2/NDF: 20.3/25

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 15.919+/-12.287 χ^2/NDF:33.8/27

Out: -5.259+/-12.112 χ^2/NDF:32.3/32

All: 5.179+/-8.626 χ^2/NDF: 67.6/60



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 48.528+/-0.010 χ^2/NDF:245082.2/13

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 47.820+/-0.011 χ^2/NDF:188821.1/11

Left: 48.183+/-0.007 χ^2/NDF: 436191.6/25

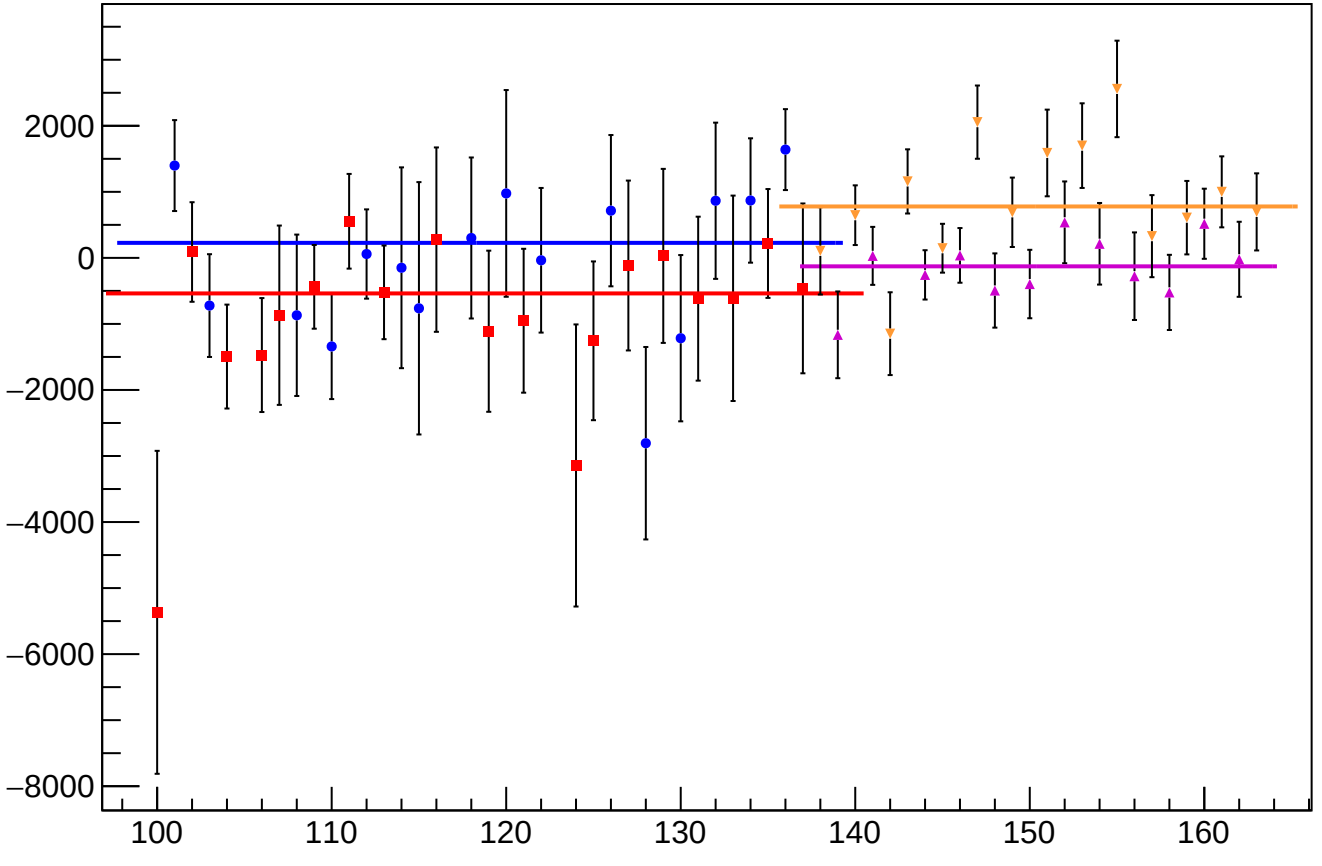
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 50.778+/-0.009 χ^2/NDF:768510.3/27

Out: 51.533+/-0.009 χ^2/NDF:827442.8/32

All: 51.161+/-0.006 χ^2/NDF: 1599786.2/60

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: 778.553+/-145.873 χ^2/NDF:29.8/13

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -128.108+/-149.679 χ^2/NDF:7.1/11

Left: 336.895+/-104.468 χ^2/NDF: 55.7/25

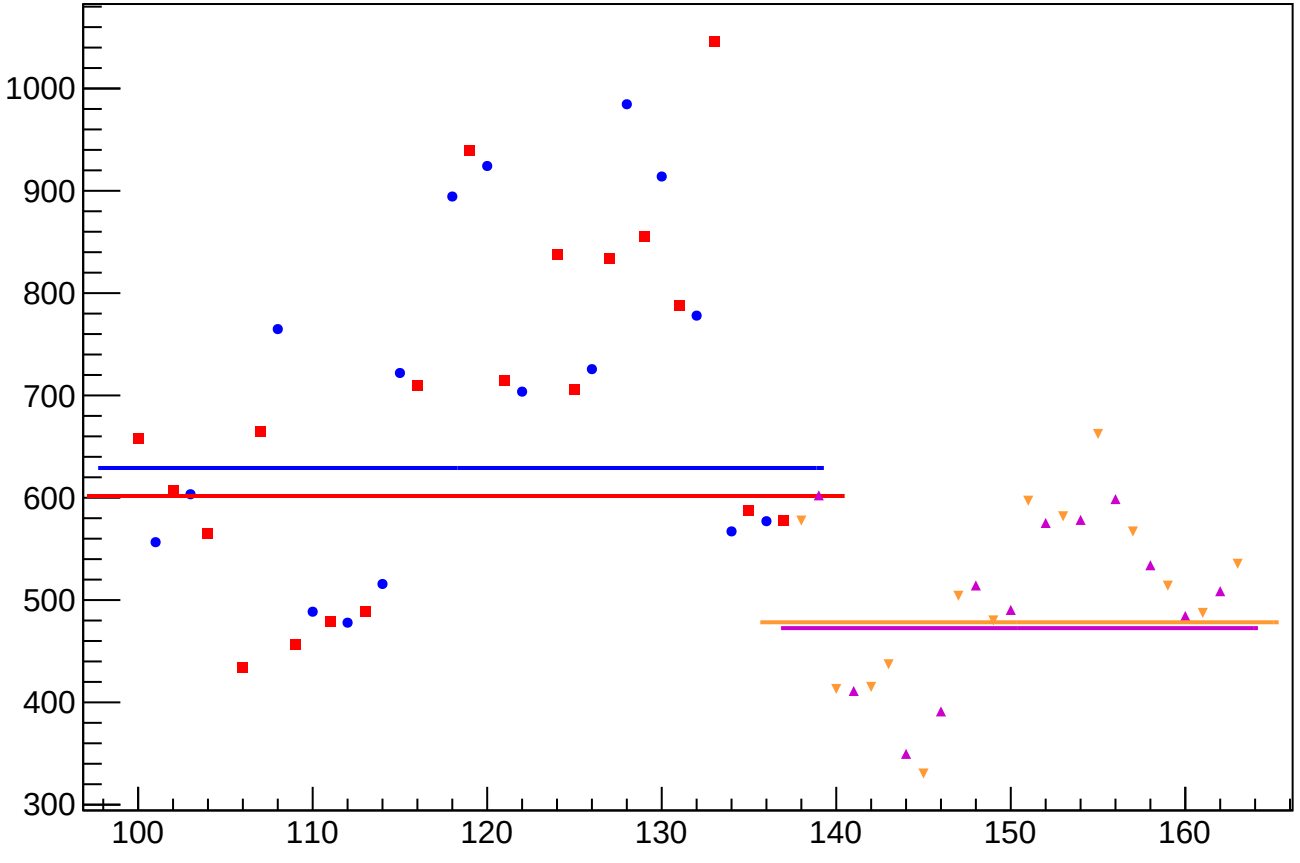
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -29.242+/-127.185 χ^2/NDF:30.3/27

Out: 397.920+/-122.994 χ^2/NDF:66.6/32

All: 191.492+/-88.414 χ^2/NDF: 102.8/60

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: 478.294+/-0.103 χ^2/NDF:759028.9/13

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 472.580+/-0.106 χ^2/NDF:642912.0/11

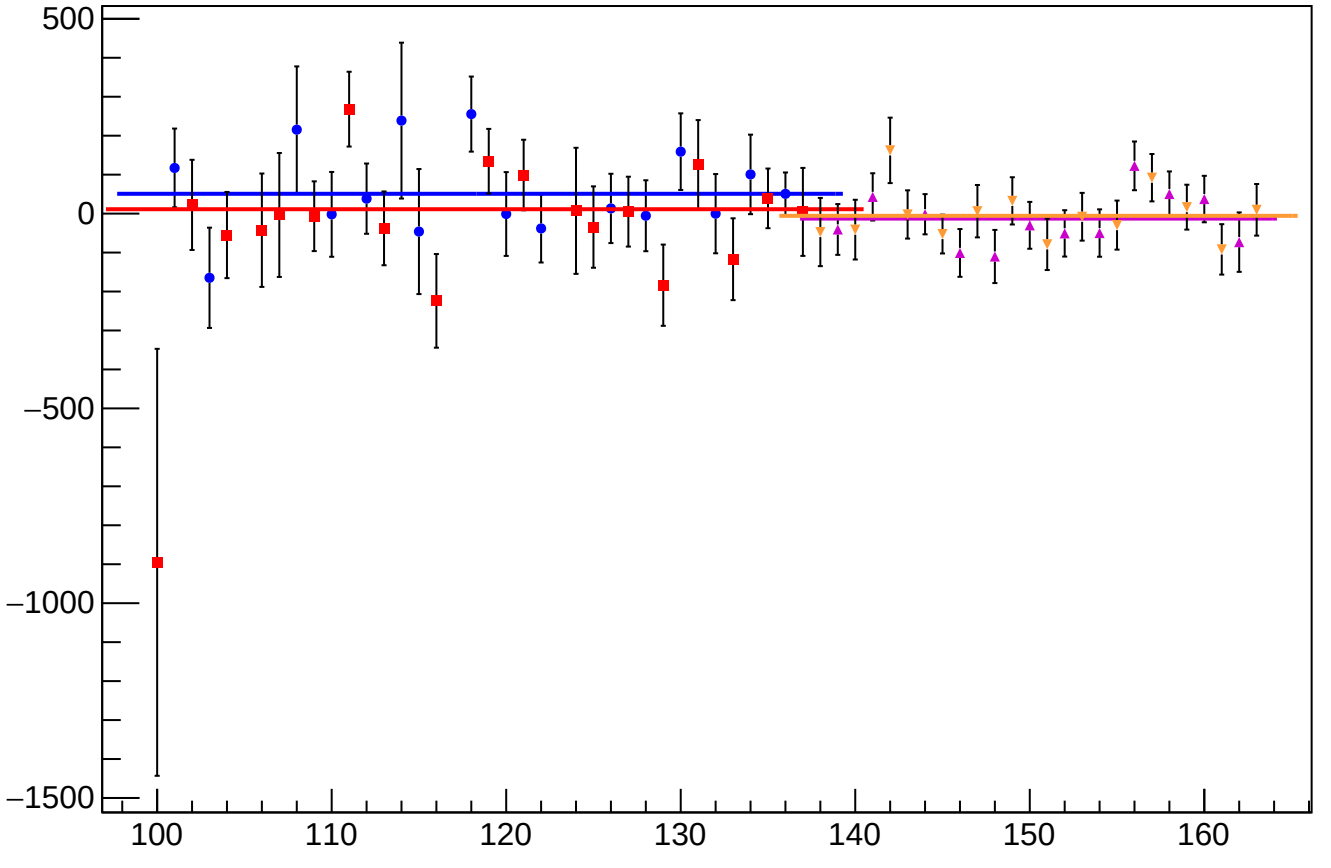
Left: 475.511+/-0.074 χ^2/NDF: 1403436.0/25

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 516.090+/-0.090 χ^2/NDF:1943581.0/27

Out: 513.975+/-0.087 χ^2/NDF:2046997.2/32

All: 514.997+/-0.063 χ^2/NDF: 3990863.9/60



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -5.652+/-17.185 χ^2/NDF:11.7/13

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -12.808+/-17.681 χ^2/NDF:13.2/11

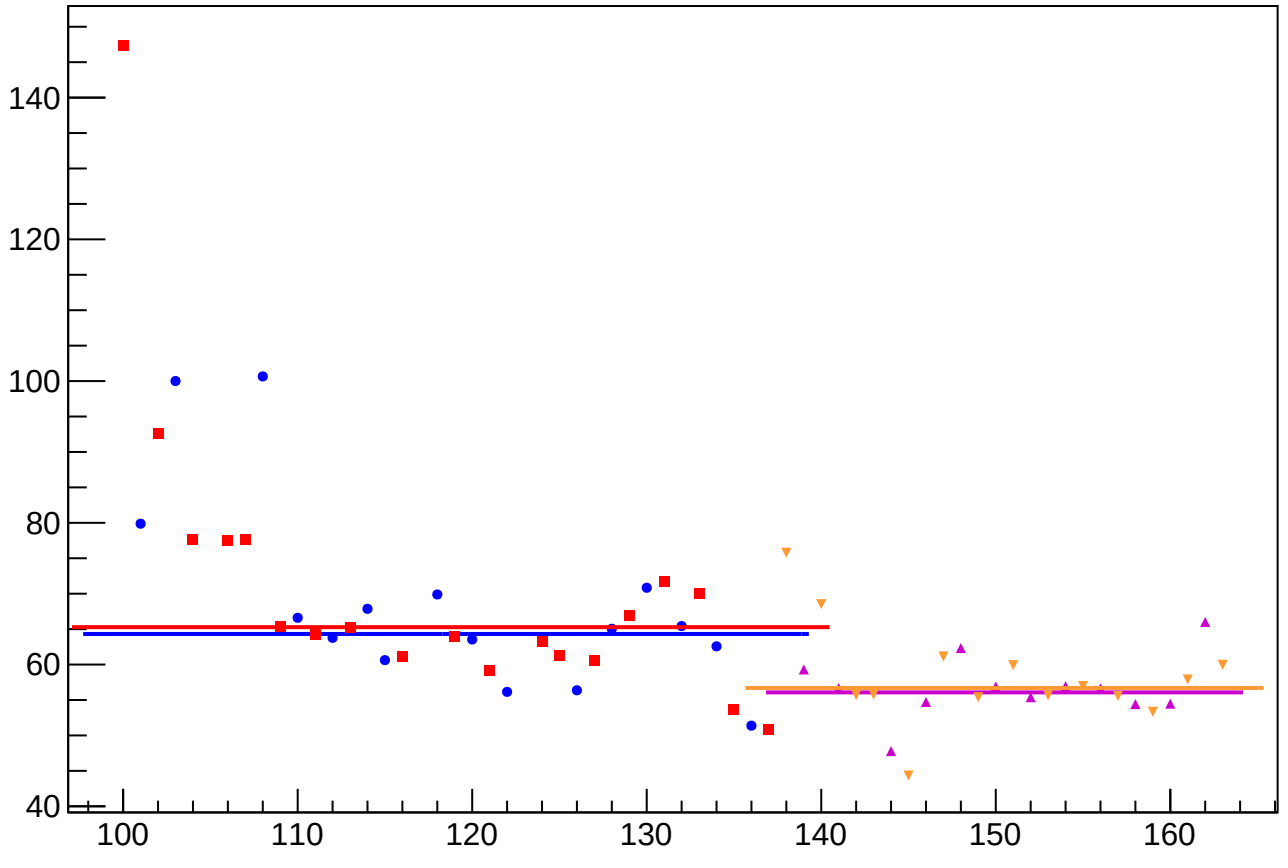
Left: -9.128+/-12.323 χ^2/NDF: 25.0/25

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 9.005+/-14.336 χ^2/NDF:31.5/27

Out: -0.021+/-14.035 χ^2/NDF:36.0/32

All: 4.396+/-10.029 χ^2/NDF: 67.7/60



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.700+/-0.012 χ^2/NDF:294404.1/13

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 56.075+/-0.013 χ^2/NDF:112666.0/11

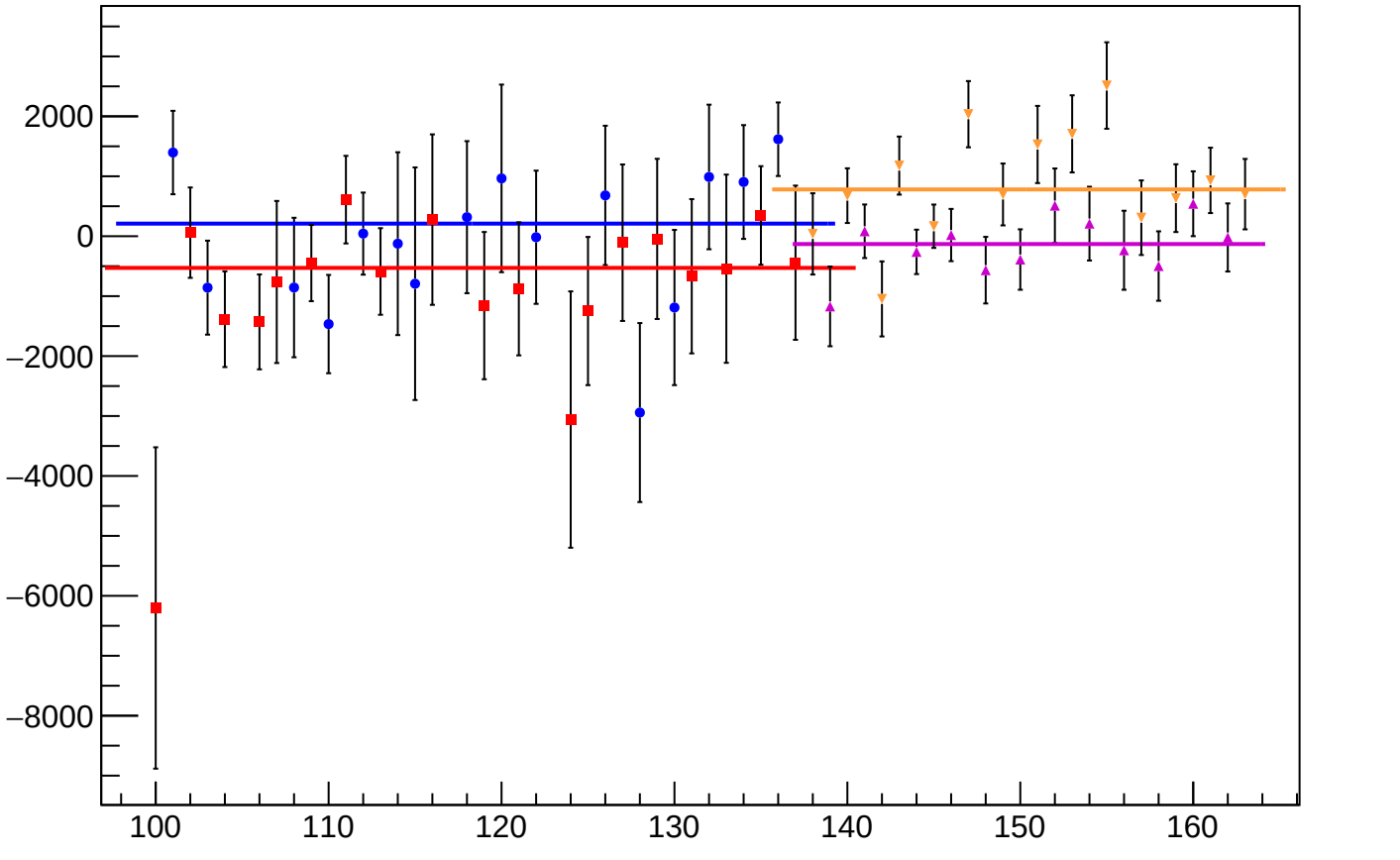
Left: 56.396+/-0.009 χ^2/NDF: 408356.6/25

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.899+/-0.010 χ^2/NDF:726516.6/27

Out: 59.556+/-0.010 χ^2/NDF:779434.6/32

All: 59.234+/-0.007 χ^2/NDF: 1508097.4/60



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 780.605+/-145.551 χ^2/NDF:28.5/13

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -130.805+/-150.709 χ^2/NDF:7.2/11

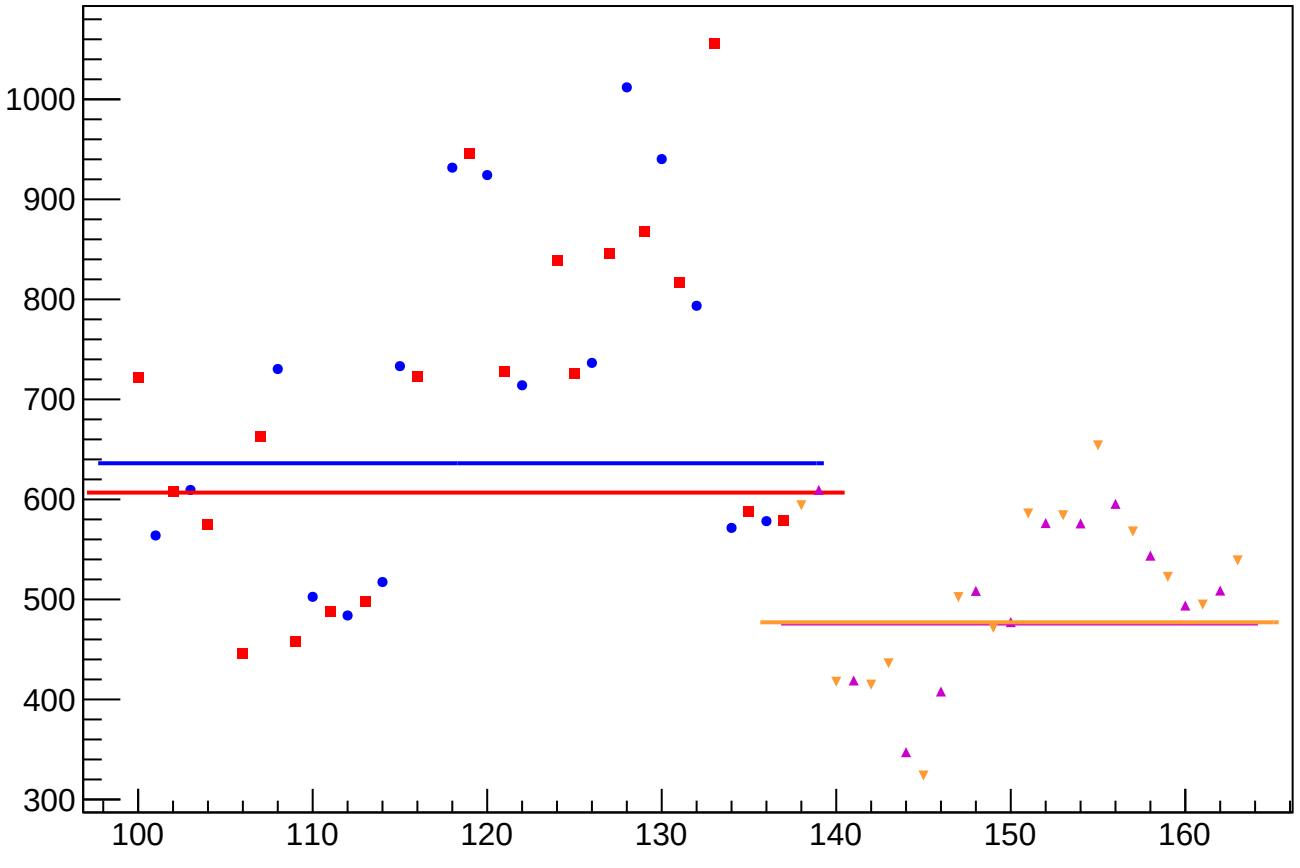
Left: 340.763+/-104.696 χ^2/NDF: 54.6/25

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -36.574+/-128.193 χ^2/NDF:31.0/27

Out: 405.460+/-122.943 χ^2/NDF:65.5/32

All: 193.679+/-88.732 χ^2/NDF: 102.7/60



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 477.129+/-0.103 χ^2/NDF:803886.9/13

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 475.931+/-0.107 χ^2/NDF:617353.1/11

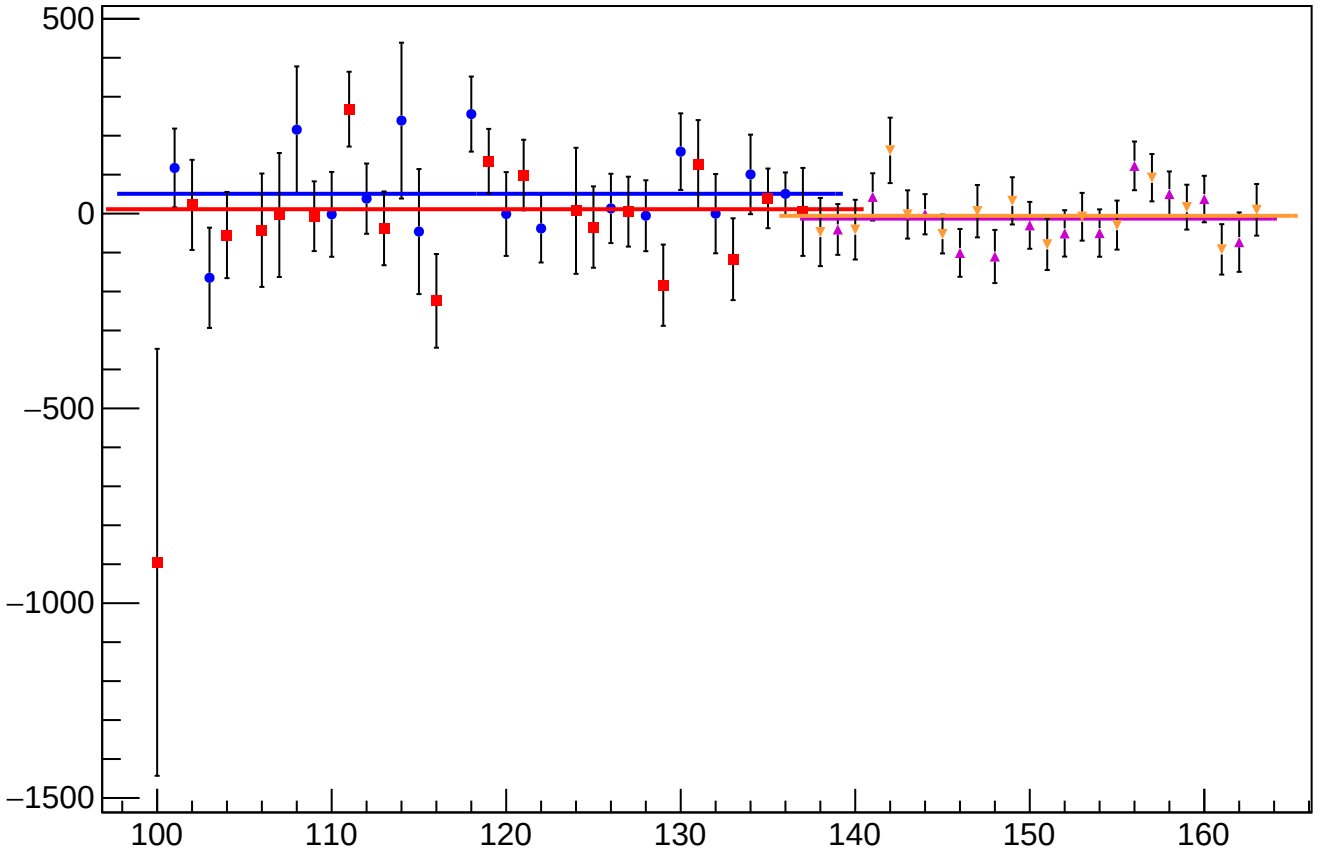
Left: 476.551+/-0.074 χ^2/NDF: 1421305.3/25

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 520.227+/-0.091 χ^2/NDF:1947497.1/27

Out: 514.284+/-0.087 χ^2/NDF:2152615.4/32

All: 517.132+/-0.063 χ^2/NDF: 4102351.6/60



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -5.653+/-17.185 χ^2/NDF:11.7/13

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -12.808+/-17.681 χ^2/NDF:13.2/11

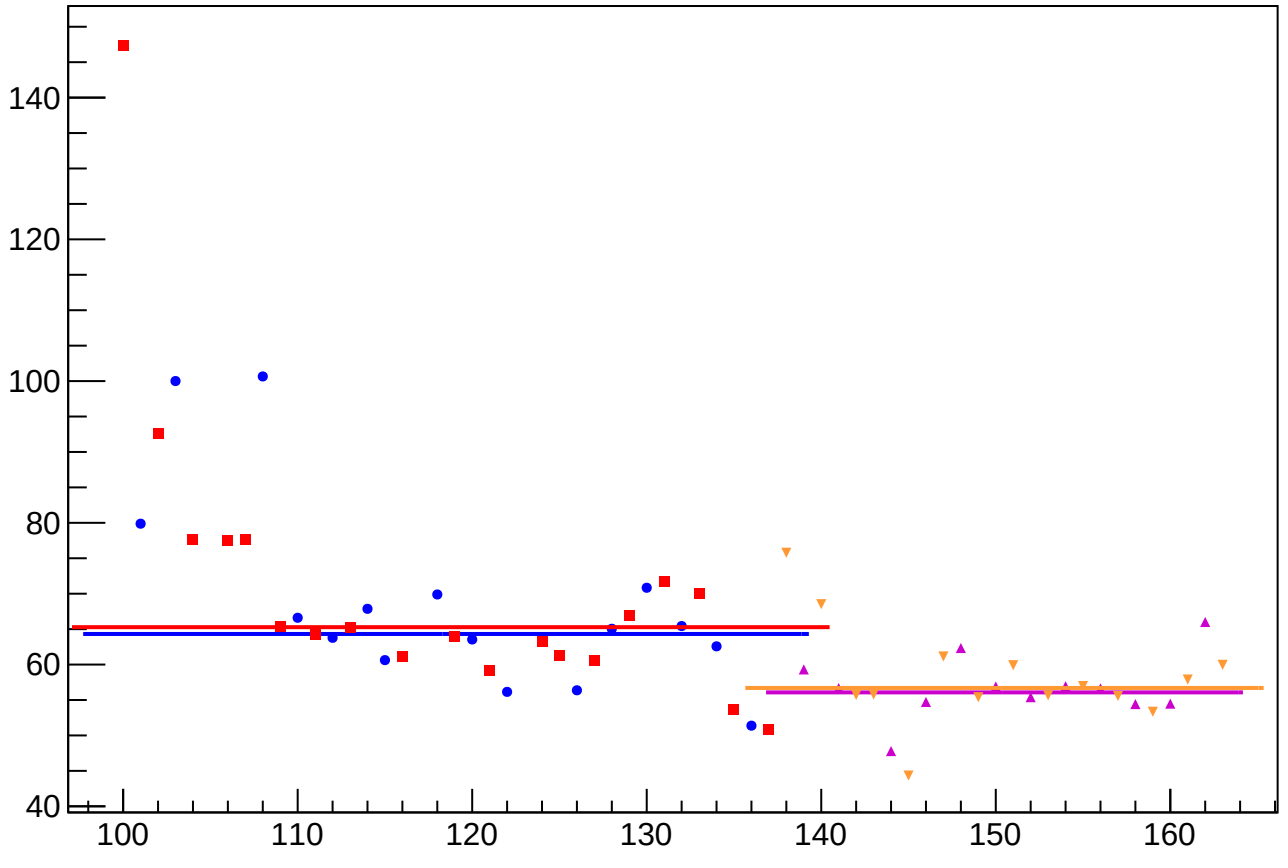
Left: -9.129+/-12.323 χ^2/NDF: 25.0/25

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 9.004+/-14.336 χ^2/NDF:31.5/27

Out: -0.022+/-14.035 χ^2/NDF:36.0/32

All: 4.396+/-10.029 χ^2/NDF: 67.7/60



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.700+/-0.012 χ^2/NDF:294390.5/13

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 56.075+/-0.013 χ^2/NDF:112663.5/11

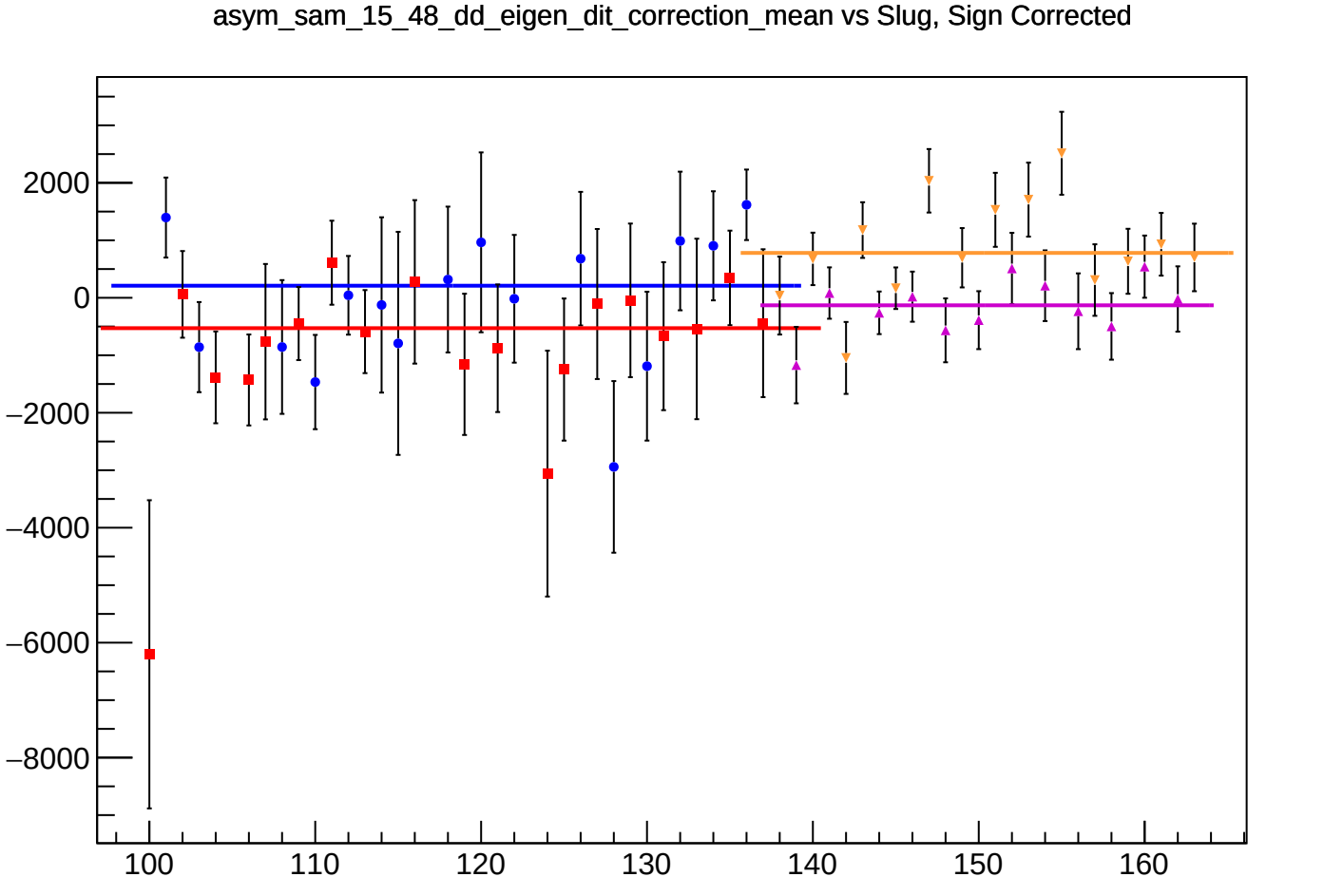
Left: 56.396+/-0.009 χ^2/NDF: 408340.6/25

Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.899+/-0.010 χ^2/NDF:726505.5/27

Out: 59.556+/-0.010 χ^2/NDF:779413.2/32

All: 59.234+/-0.007 χ^2/NDF: 1508065.0/60



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 780.603+/-145.551 χ^2/NDF:28.5/13

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -130.805+/-150.709 χ^2/NDF:7.2/11

Left: 340.762+/-104.696 χ^2/NDF: 54.6/25

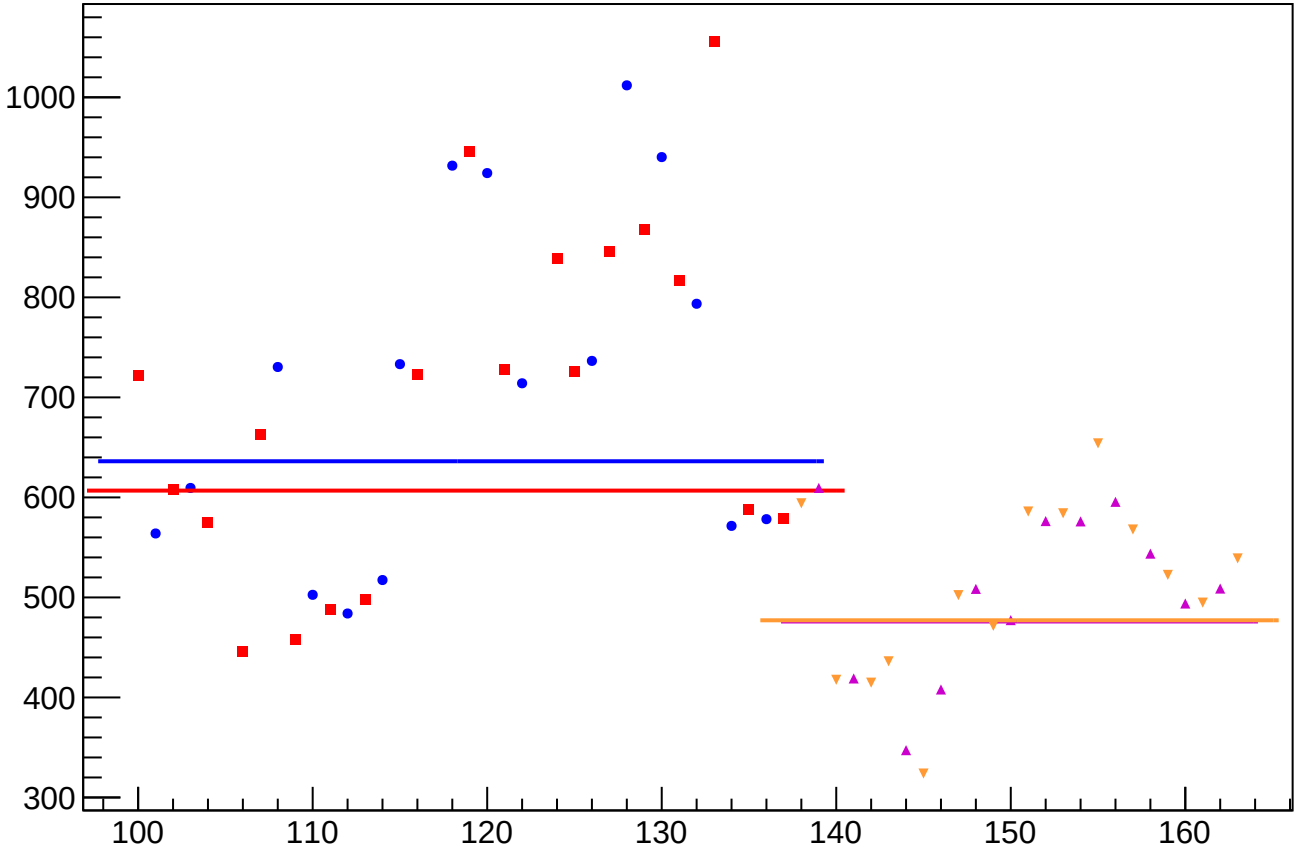
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -36.573+/-128.193 χ^2/NDF:31.0/27

Out: 405.459+/-122.943 χ^2/NDF:65.5/32

All: 193.679+/-88.732 χ^2/NDF: 102.7/60

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: 477.128+/-0.103 χ^2/NDF:803894.2/13

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 475.931+/-0.107 χ^2/NDF:617353.8/11

Left: 476.550+/-0.074 χ^2/NDF: 1421313.3/25

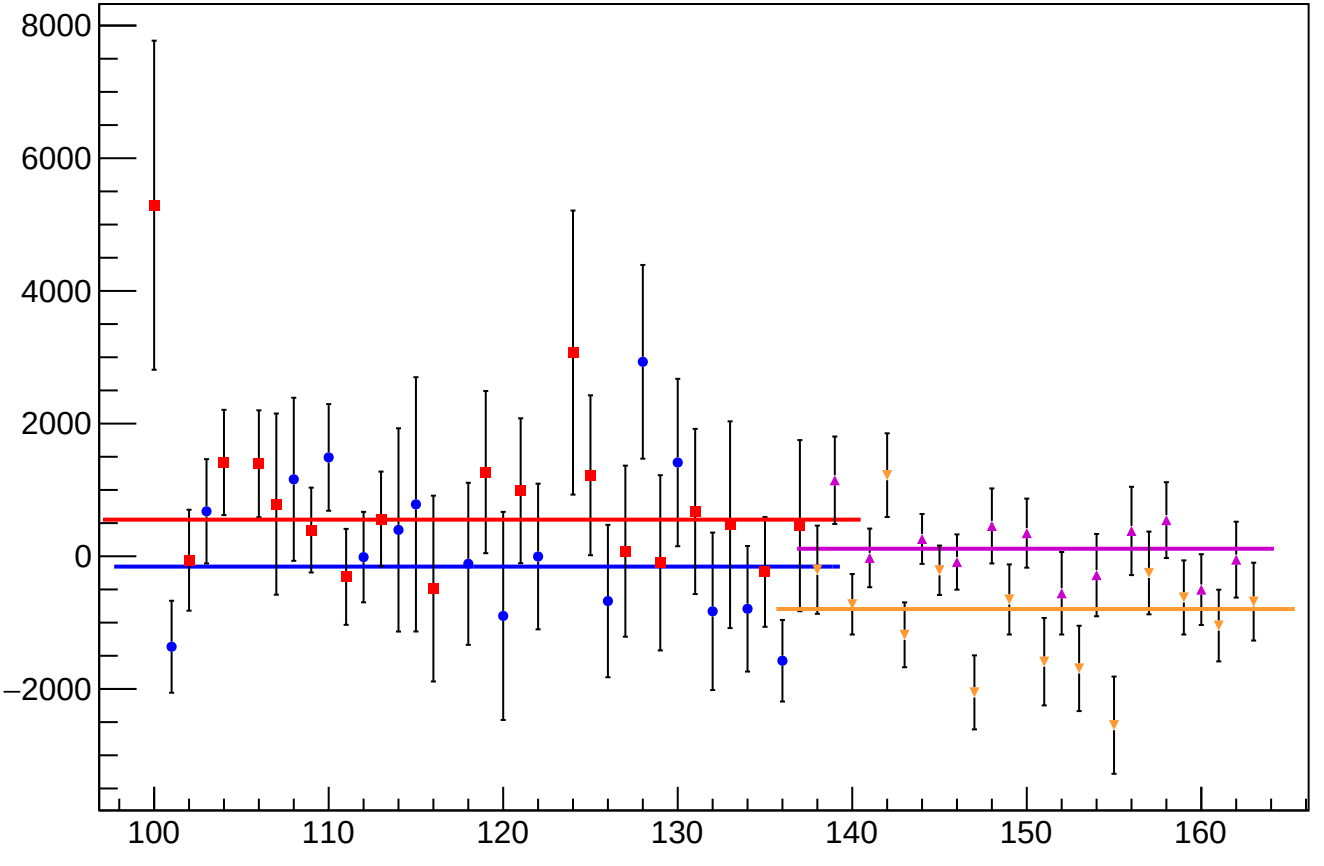
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 520.227+/-0.091 χ^2/NDF:1947502.2/27

Out: 514.284+/-0.087 χ^2/NDF:2152627.8/32

All: 517.131+/-0.063 χ^2/NDF: 4102369.2/60

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -794.999+/-146.678 χ^2/NDF:29.5/13

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 113.341+/-150.488 χ^2/NDF:7.2/11

Left: -352.472+/-105.038 χ^2/NDF: 55.4/25

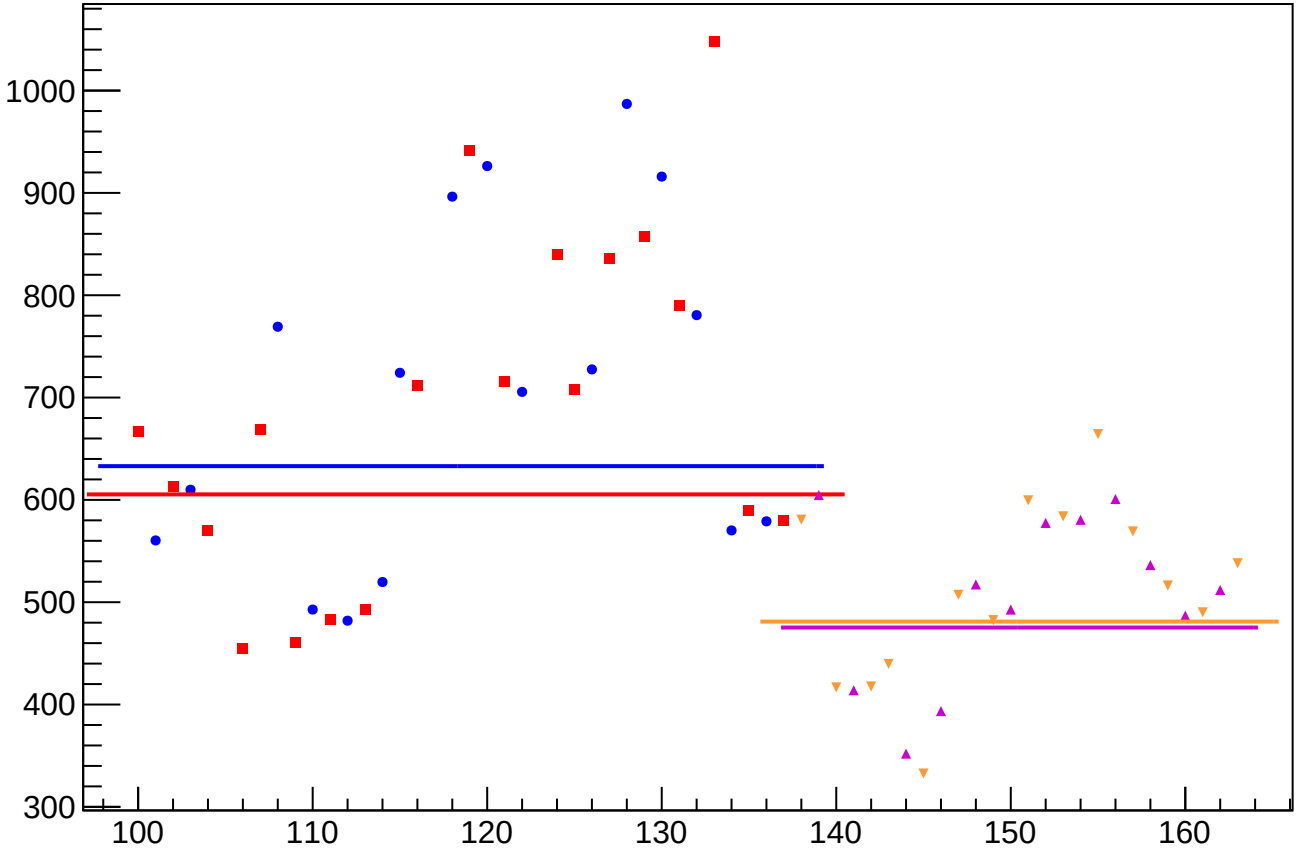
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 38.595+/-127.882 χ^2/NDF:30.6/27

Out: -402.823+/-123.497 χ^2/NDF:66.2/32

All: -189.811+/-88.835 χ^2/NDF: 103.0/60

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 481.048+/-0.104 χ^2/NDF:750284.7/13

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 475.229+/-0.106 χ^2/NDF:635821.1/11

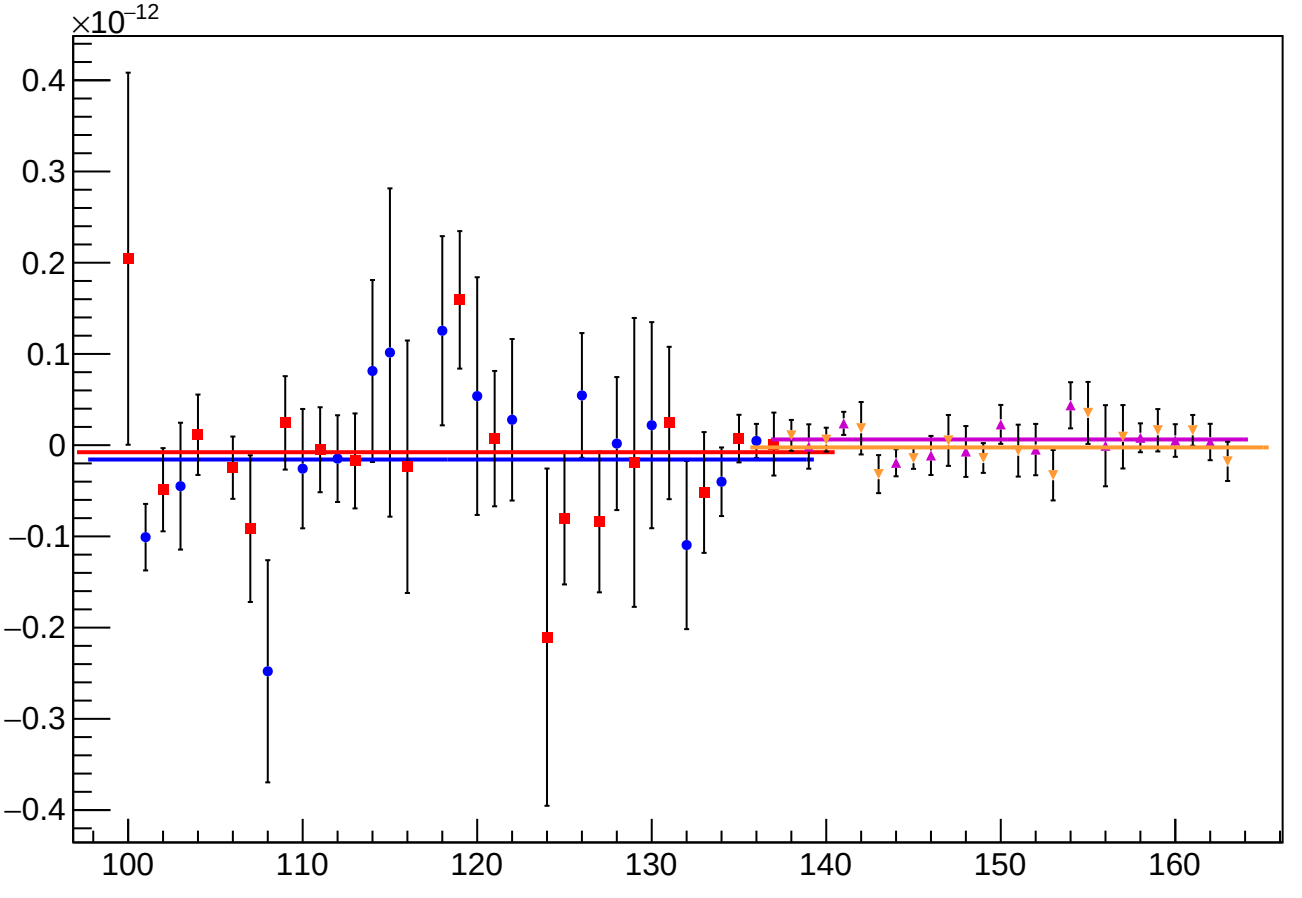
Left: 478.213+/-0.074 χ^2/NDF: 1387639.4/25

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 519.060+/-0.090 χ^2/NDF:1927545.4/27

Out: 517.240+/-0.087 χ^2/NDF:2022565.3/32

All: 518.119+/-0.063 χ^2/NDF: 3950320.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/11

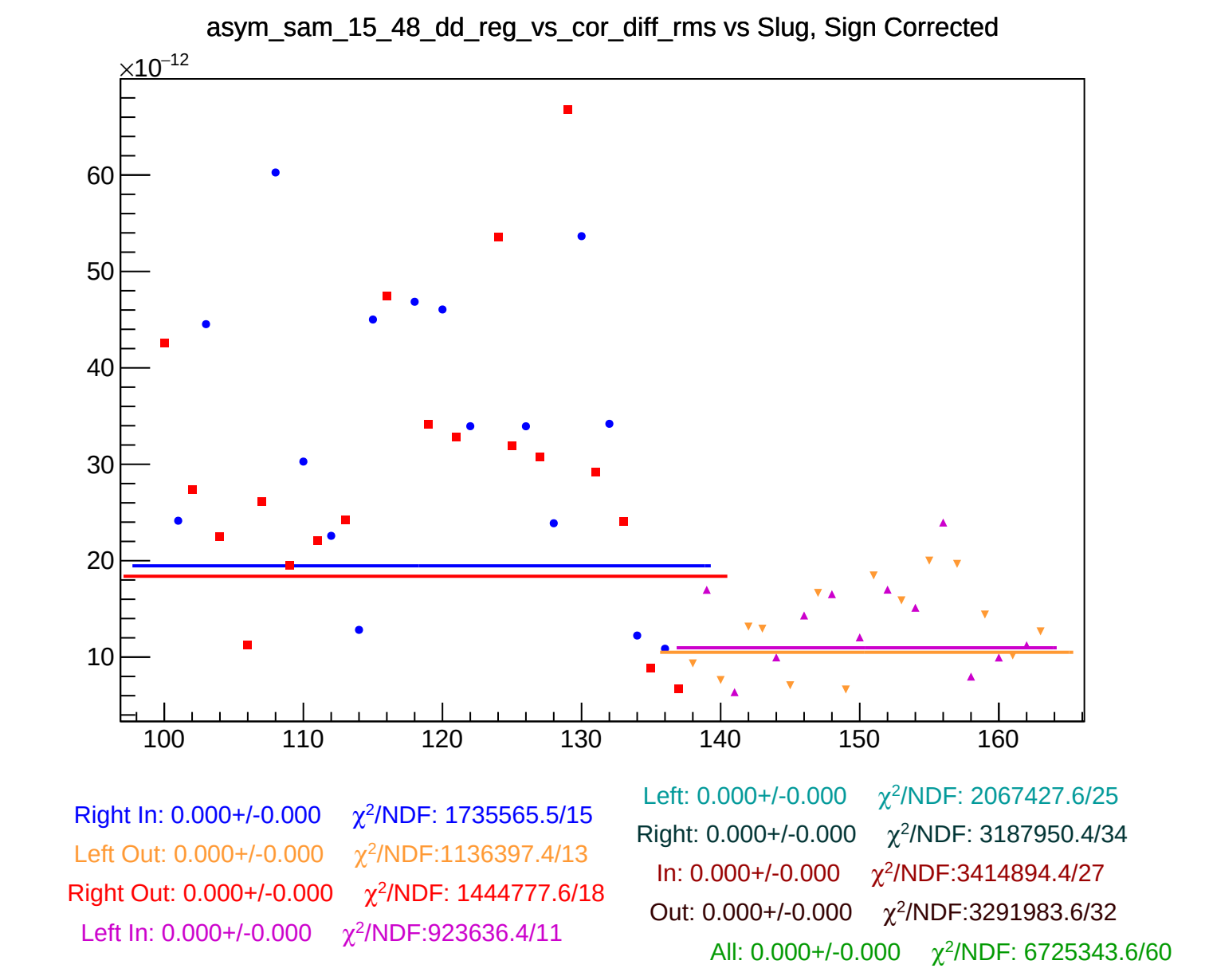
Left: 0.000+/-0.000 χ^2/NDF: 20.3/25

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

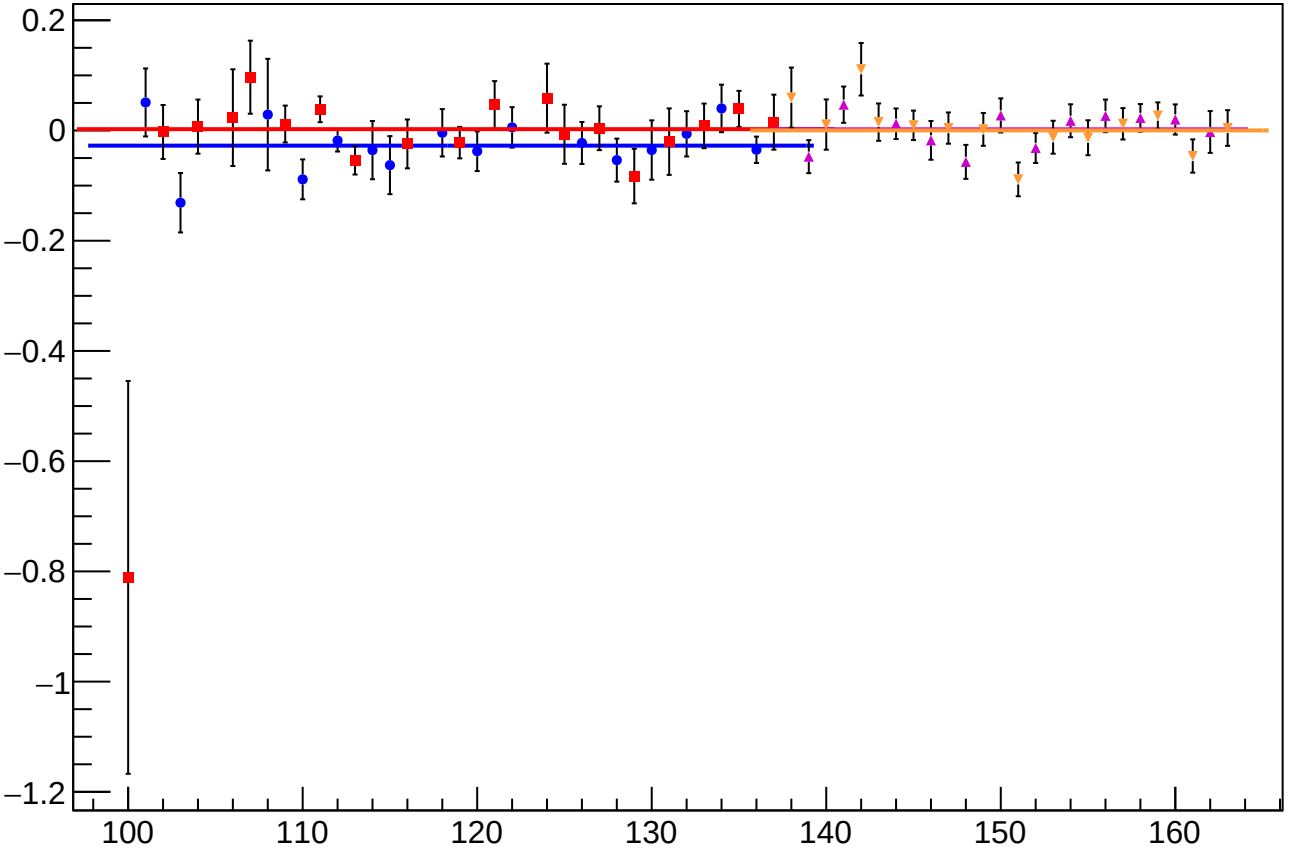
In: 0.000+/-0.000 χ^2/NDF:28.3/27

Out: -0.000+/-0.000 χ^2/NDF:23.2/32

All: -0.000+/-0.000 χ^2/NDF: 52.3/60


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1136397.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:923636.4/11
Left: 0.000+/-0.000 χ²/NDF: 2067427.6/25
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:3414894.4/27
Out: 0.000+/-0.000 χ²/NDF:3291983.6/32
All: 0.000+/-0.000 χ²/NDF: 6725343.6/60

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: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/11

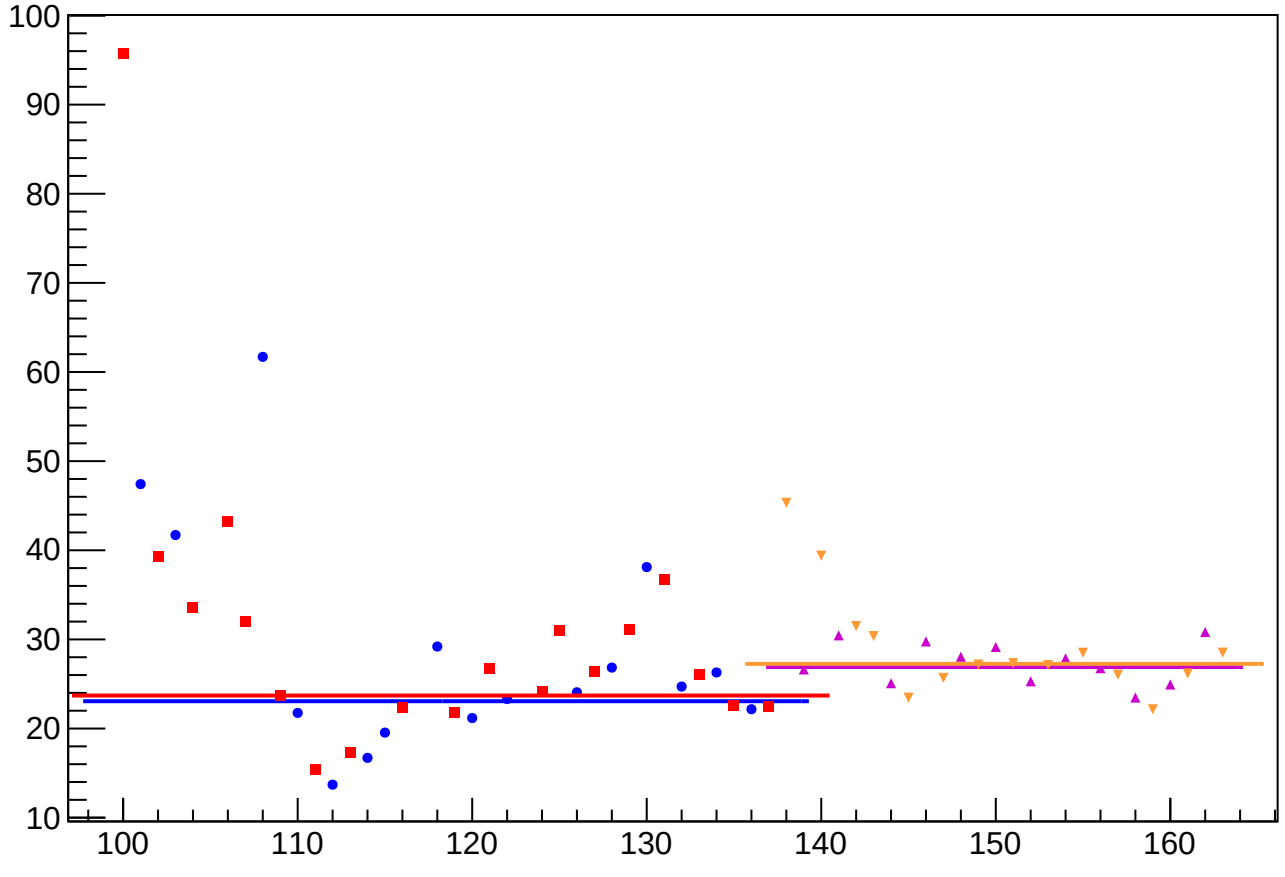
Left: 0.001+/-0.006 χ^2/NDF: 32.6/25

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:32.0/27

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 75.7/60



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.257+/-0.006 χ^2/NDF:543087.1/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.901+/-0.006 χ^2/NDF:136586.5/11

Left: 27.083+/-0.004 χ^2/NDF: 681421.8/25

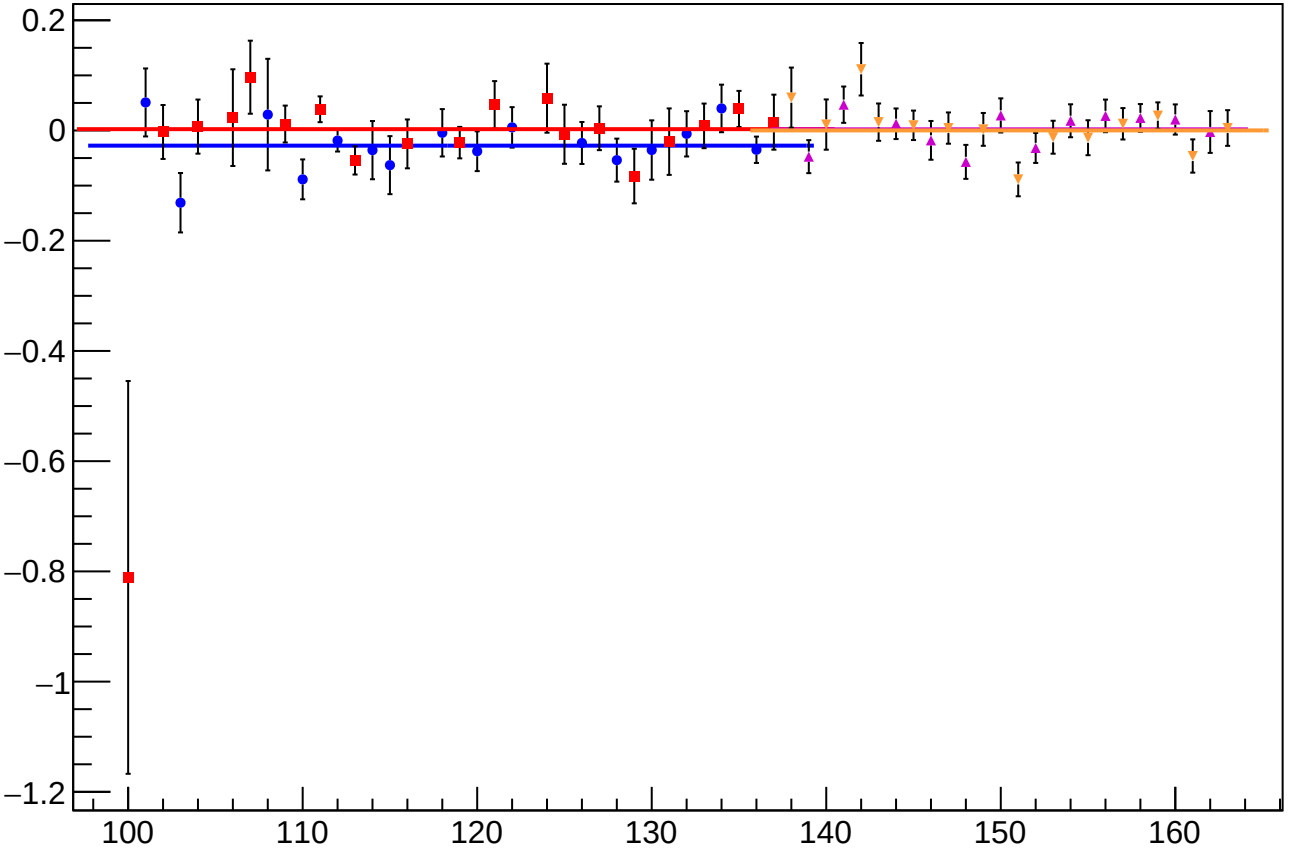
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.148+/-0.004 χ^2/NDF:1882016.1/27

Out: 25.653+/-0.004 χ^2/NDF:1792219.6/32

All: 25.405+/-0.003 χ^2/NDF: 3680681.7/60

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/11

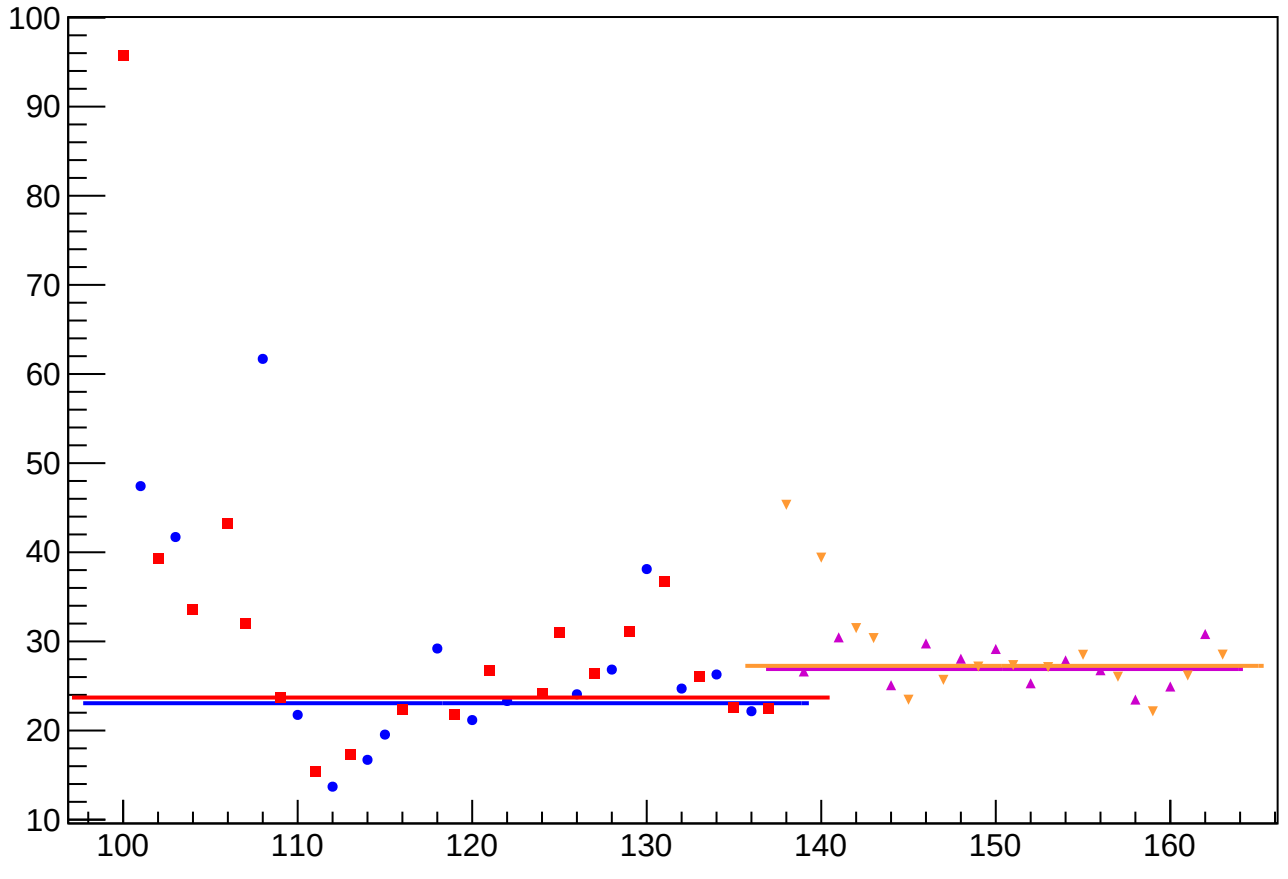
Left: 0.001+/-0.006 χ^2/NDF: 32.6/25

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:32.0/27

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 75.7/60



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 27.257+/-0.006 χ^2/NDF:543087.1/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.901+/-0.006 χ^2/NDF:136586.5/11

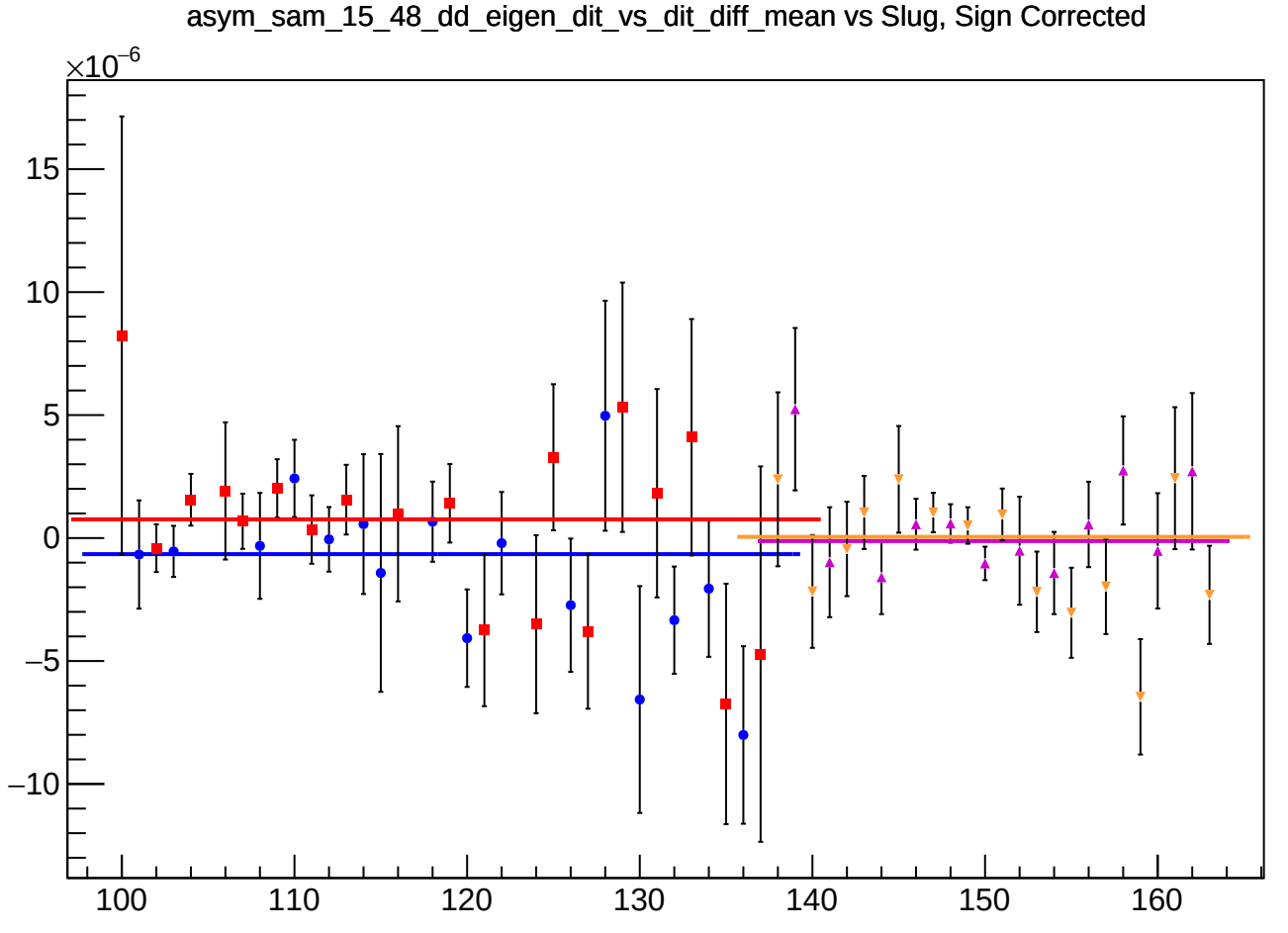
Left: 27.083+/-0.004 χ^2/NDF: 681421.8/25

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.148+/-0.004 χ^2/NDF:1882016.1/27

Out: 25.653+/-0.004 χ^2/NDF:1792219.6/32

All: 25.405+/-0.003 χ^2/NDF: 3680681.7/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.3/13

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

Left In: -0.000+/-0.000 χ^2/NDF:10.1/11

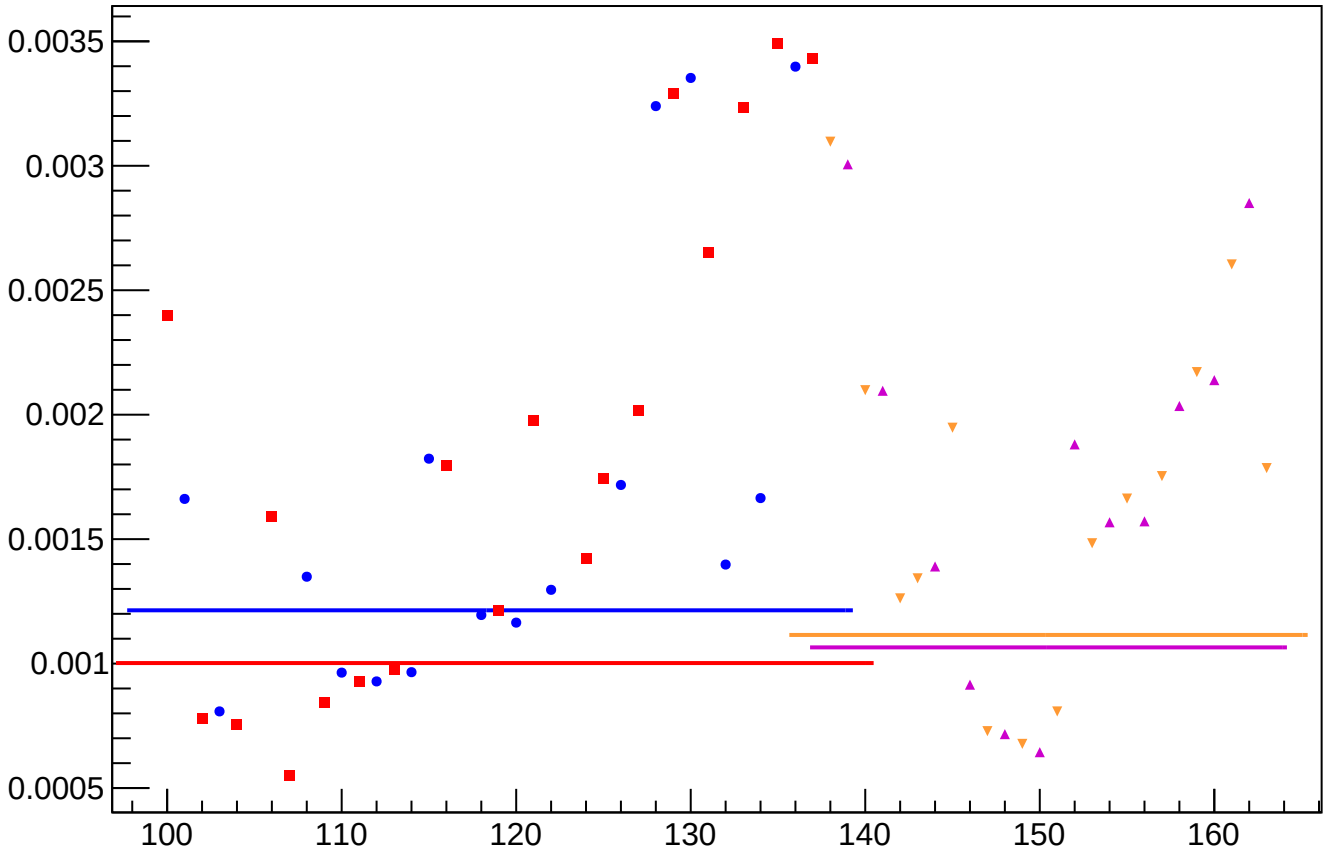
Left: -0.000+/-0.000 χ^2/NDF: 31.5/25

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:28.4/27

Out: 0.000+/-0.000 χ^2/NDF:38.0/32

All: 0.000+/-0.000 χ^2/NDF: 69.2/60



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4342908.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4480522.9/11

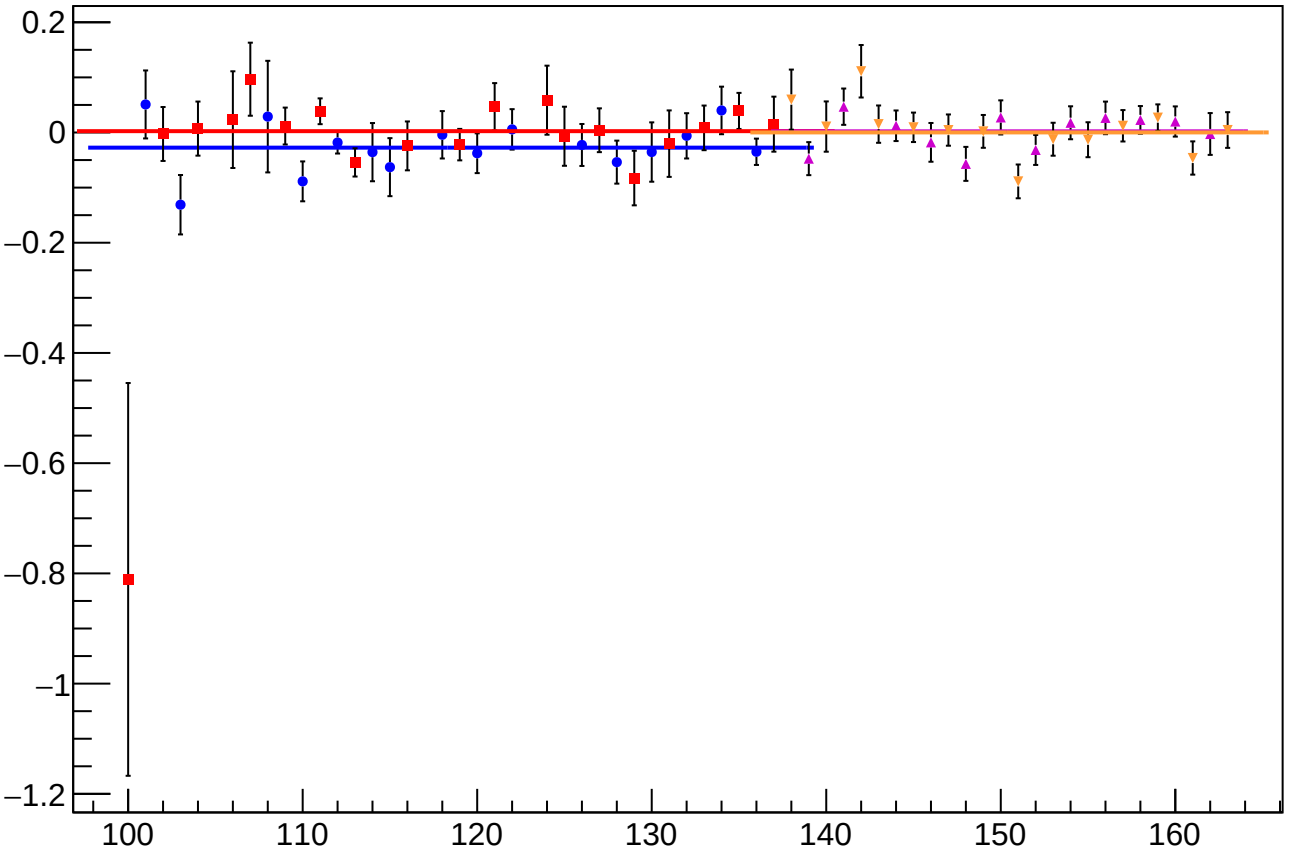
Left: 0.001+/-0.000 χ^2/NDF: 8840709.8/25

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:6860158.4/27

Out: 0.001+/-0.000 χ^2/NDF:7700110.4/32

All: 0.001+/-0.000 χ^2/NDF: 14596590.2/60



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/11

Left: 0.001+/-0.006 χ^2/NDF: 32.6/25

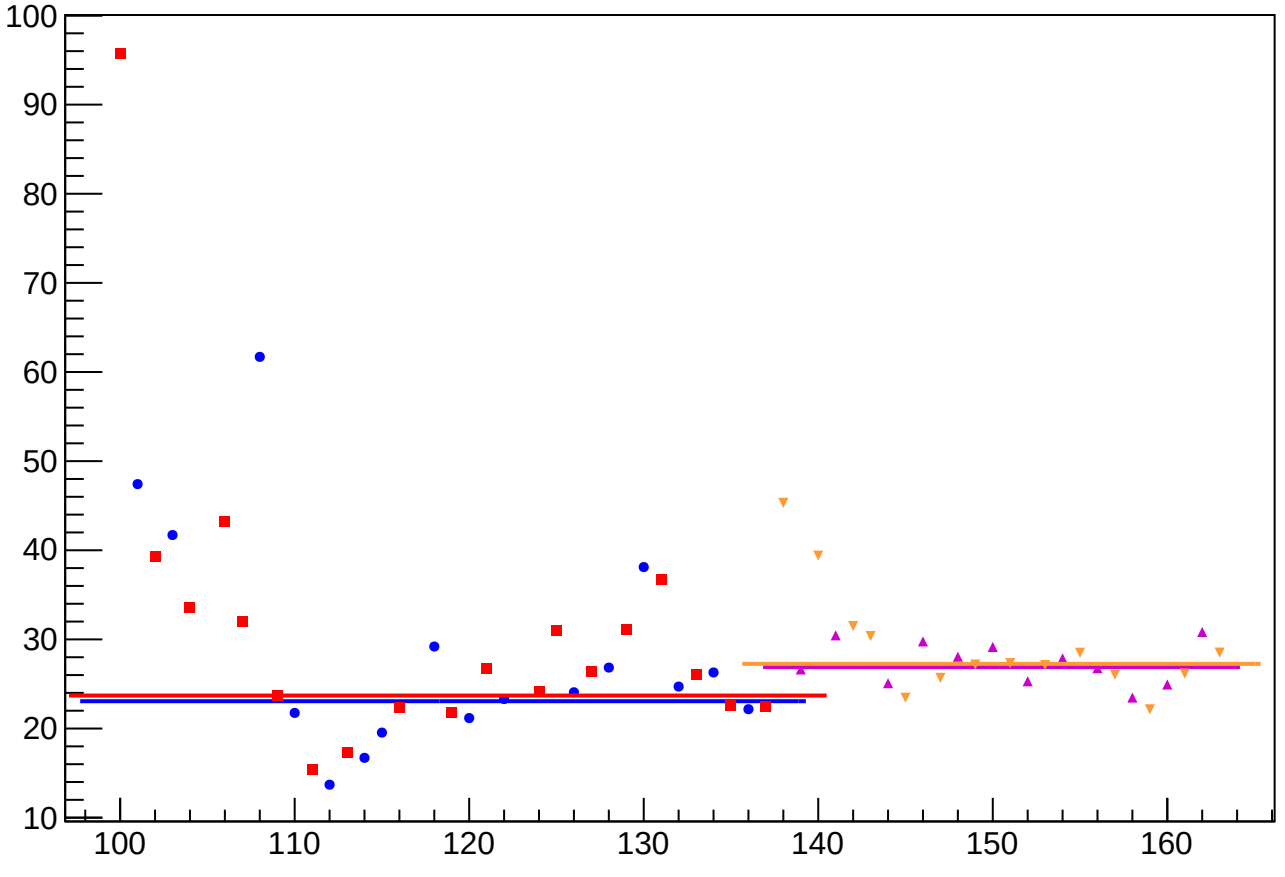
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:32.0/27

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 75.7/60

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:543043.5/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.901+/-0.006 χ^2/NDF:136582.2/11

Left: 27.083+/-0.004 χ^2/NDF: 681374.8/25

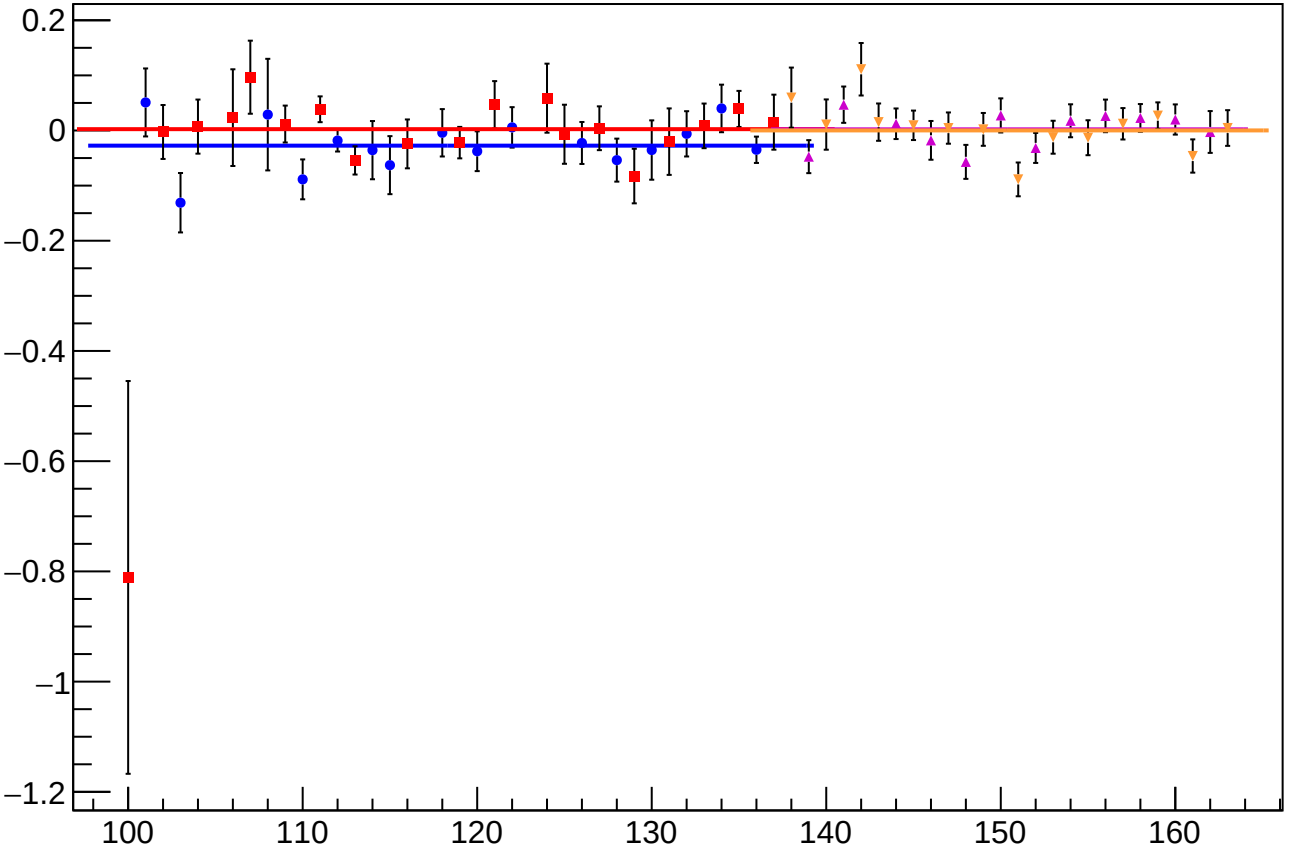
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.148+/-0.004 χ^2/NDF:1882070.4/27

Out: 25.653+/-0.004 χ^2/NDF:1792268.0/32

All: 25.405+/-0.003 χ^2/NDF: 3680785.3/60

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.008 χ^2/NDF:19.6/13

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: 0.002+/-0.009 χ^2/NDF:13.0/11

Left: 0.001+/-0.006 χ^2/NDF: 32.6/25

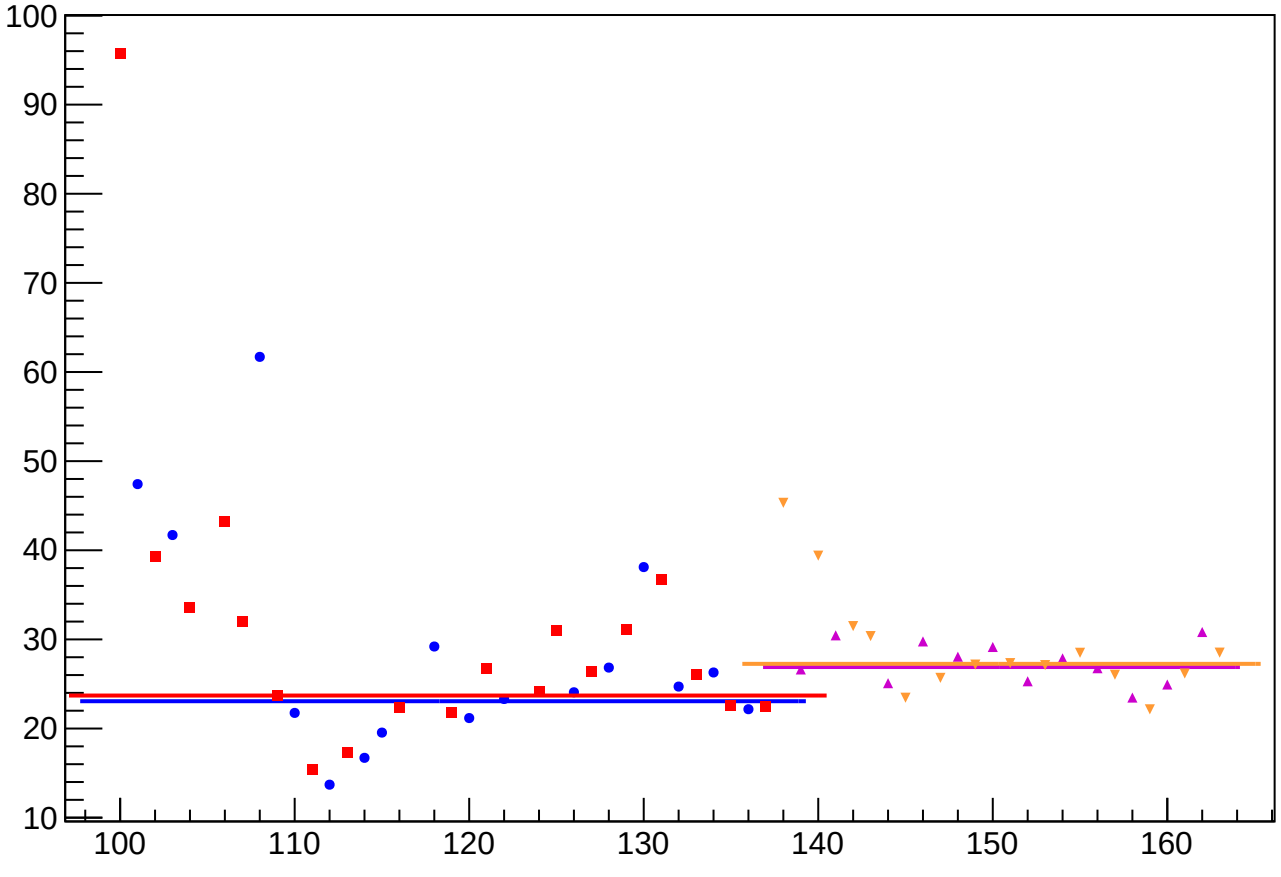
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:32.0/27

Out: 0.001+/-0.006 χ^2/NDF:41.7/32

All: -0.005+/-0.004 χ^2/NDF: 75.7/60

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 27.257+/-0.006 χ^2/NDF:543043.5/13

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.901+/-0.006 χ^2/NDF:136582.2/11

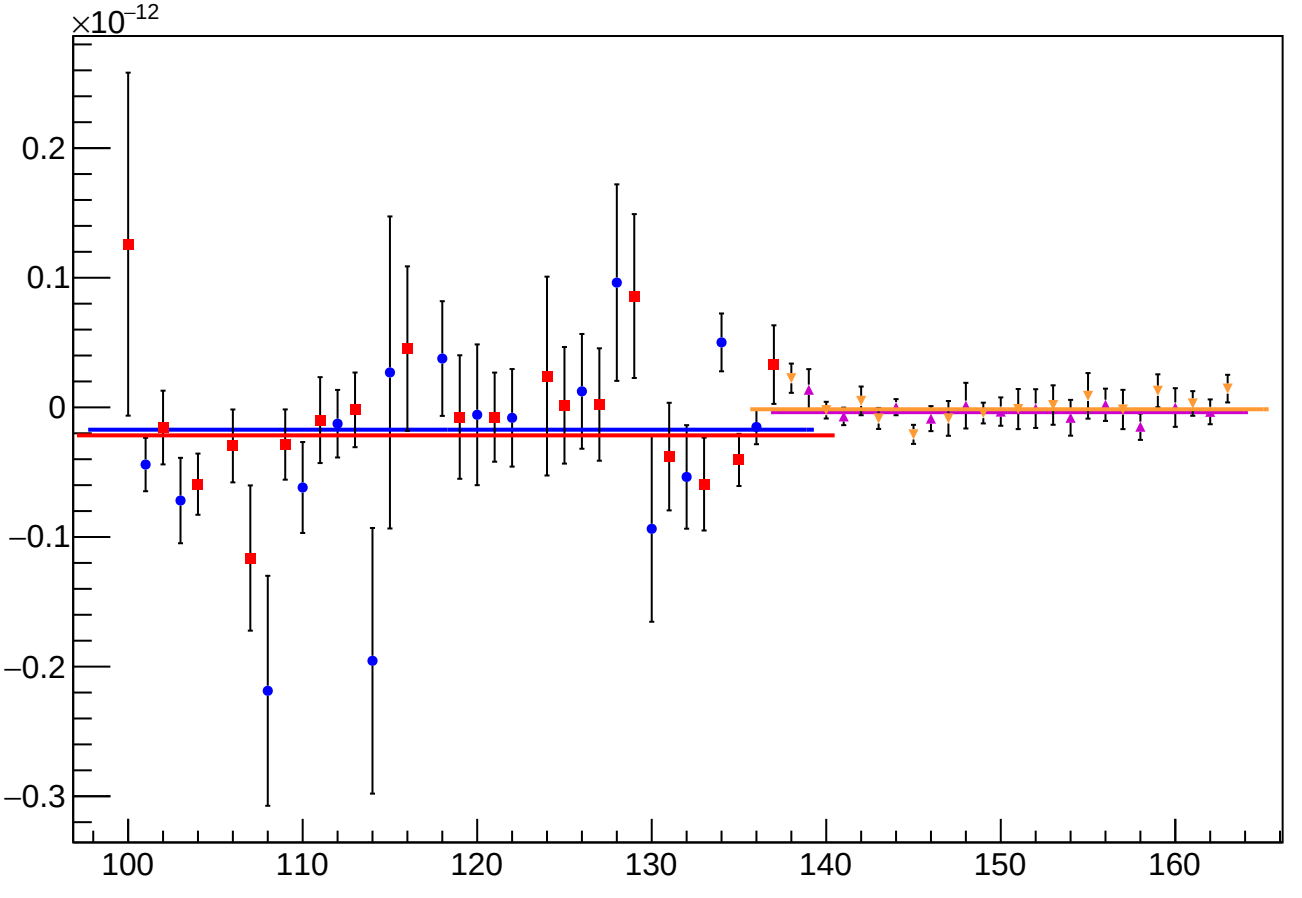
Left: 27.083+/-0.004 χ^2/NDF: 681374.8/25

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.148+/-0.004 χ^2/NDF:1882070.4/27

Out: 25.653+/-0.004 χ^2/NDF:1792268.0/32

All: 25.405+/-0.003 χ^2/NDF: 3680785.3/60



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:3.8/11

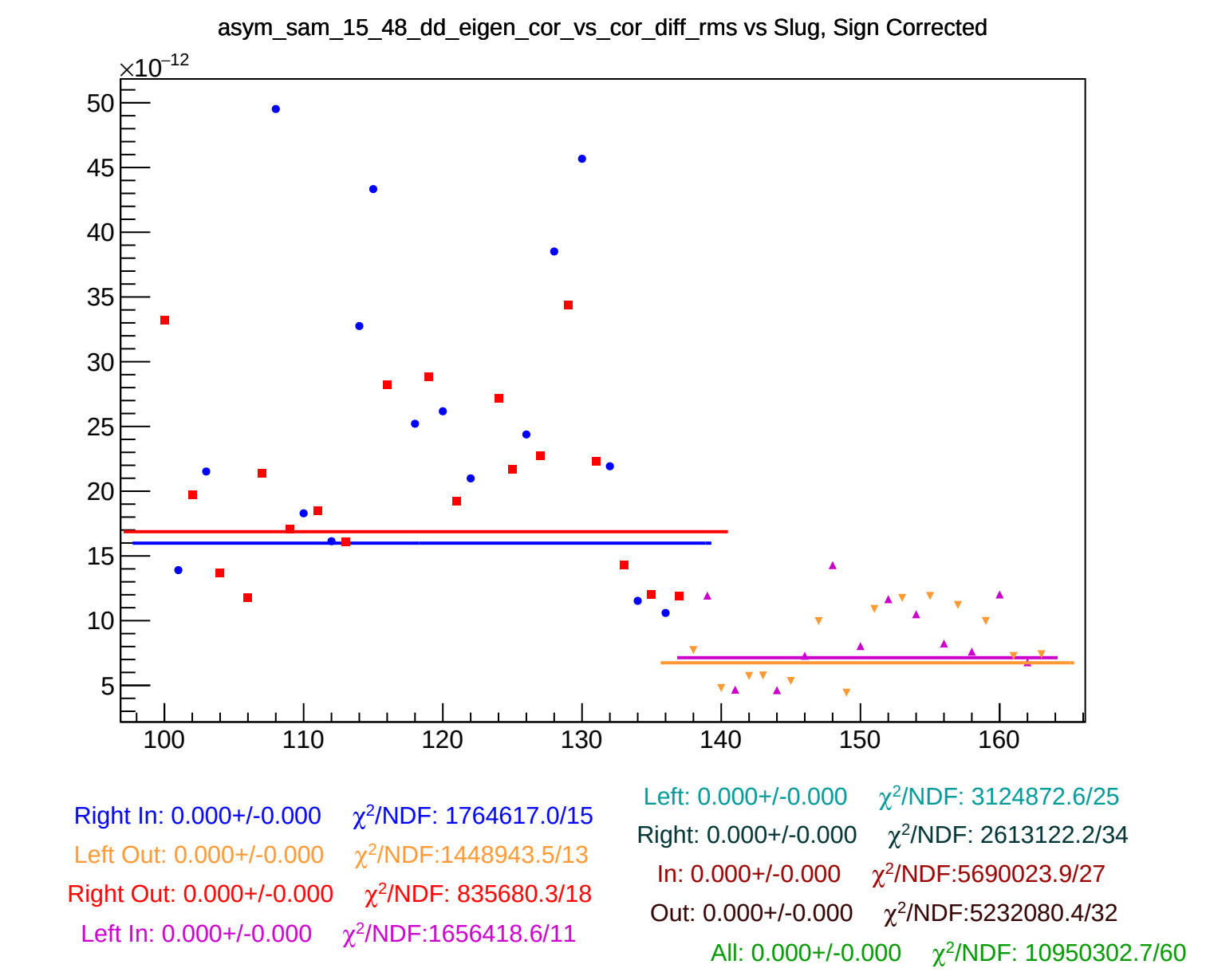
Left: -0.000+/-0.000 χ^2/NDF: 21.2/25

Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:36.3/27

Out: -0.000+/-0.000 χ^2/NDF:40.9/32

All: -0.000+/-0.000 χ^2/NDF: 77.4/60


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
45
40
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30
25
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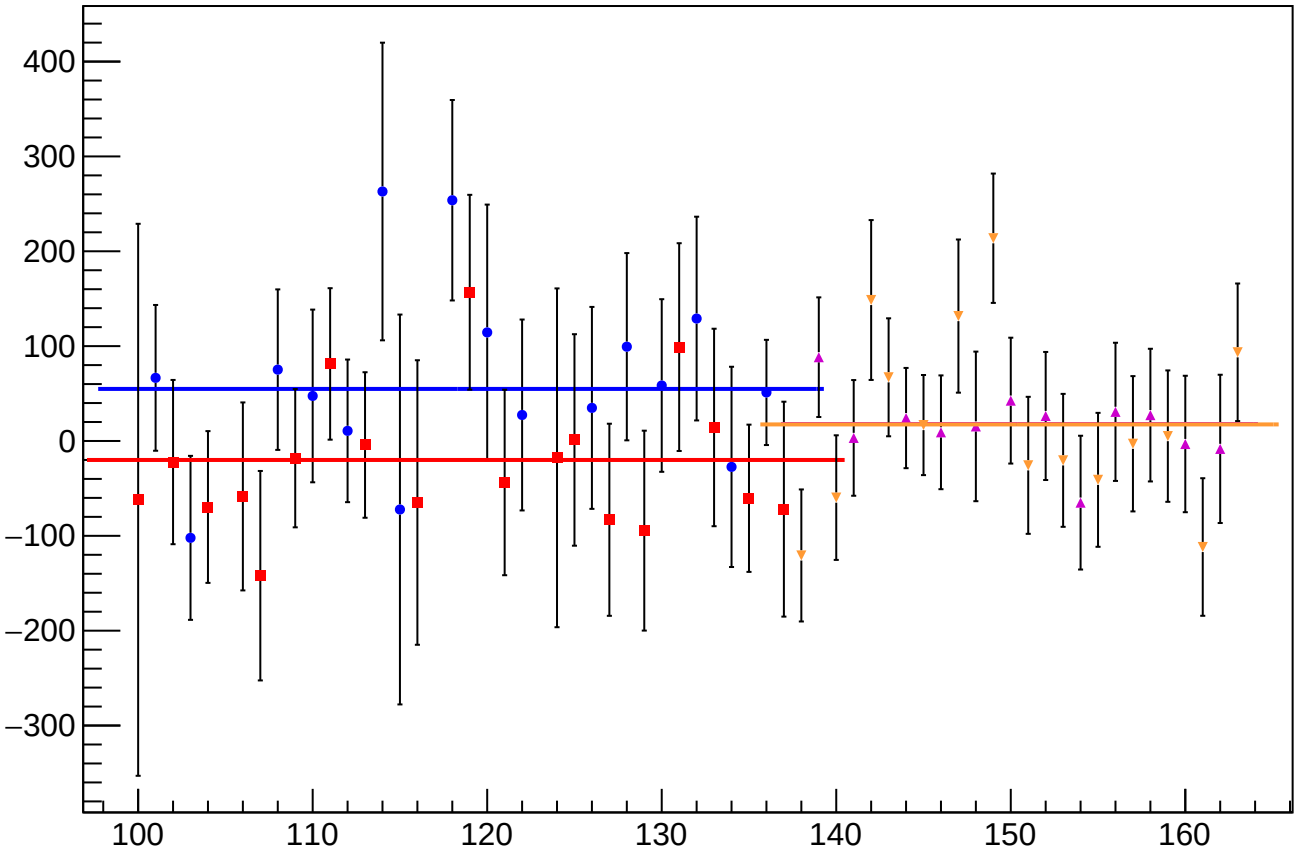
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1448943.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:1656418.6/11
Left: 0.000+/-0.000 χ²/NDF: 3124872.6/25
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:5690023.9/27
Out: 0.000+/-0.000 χ²/NDF:5232080.4/32
All: 0.000+/-0.000 χ²/NDF: 10950302.7/60



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.467+/-18.423 χ^2/NDF:24.4/13

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 17.873+/-19.193 χ^2/NDF:3.1/11

Left: 17.662+/-13.291 χ^2/NDF: 27.5/25

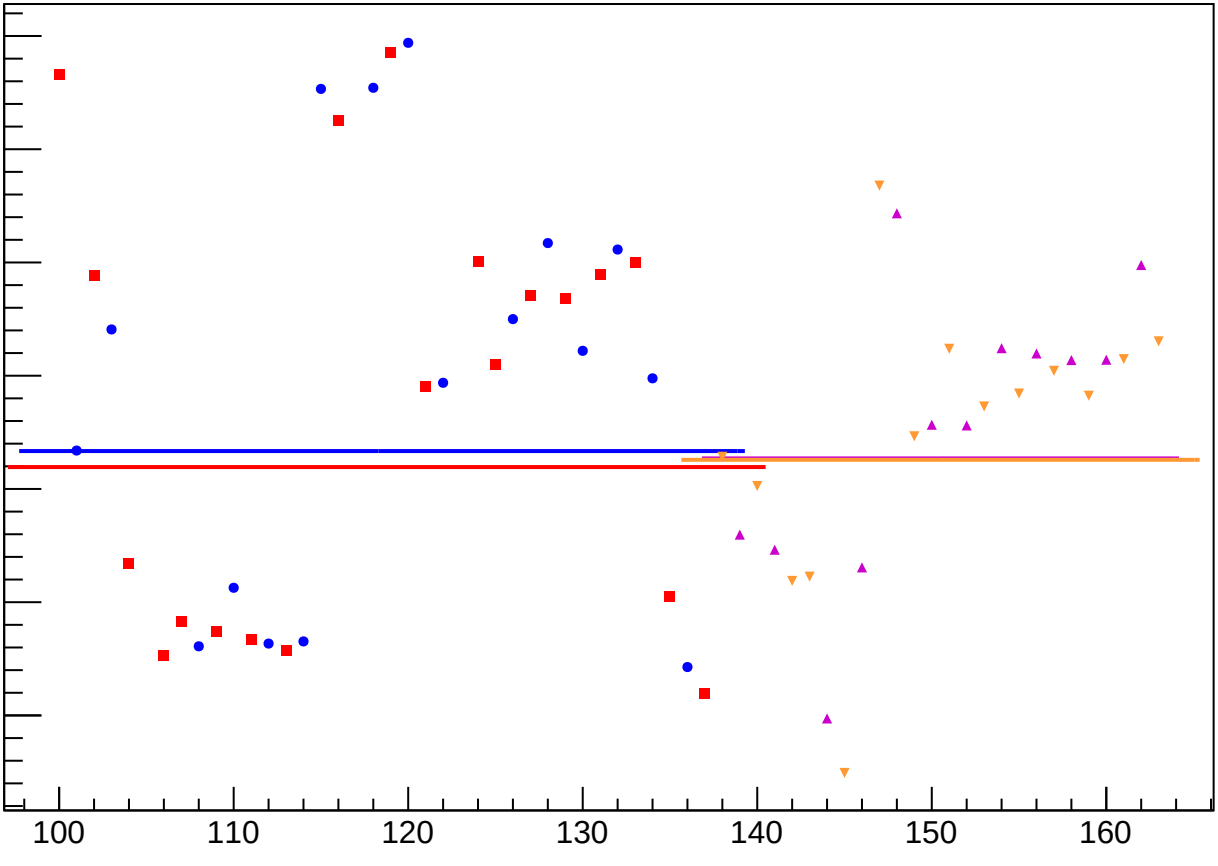
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 32.927+/-14.783 χ^2/NDF:15.7/27

Out: 2.478+/-14.272 χ^2/NDF:35.3/32

All: 17.168+/-10.268 χ^2/NDF: 53.1/60

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.349+/-0.014 χ^2/NDF:217860.1/11

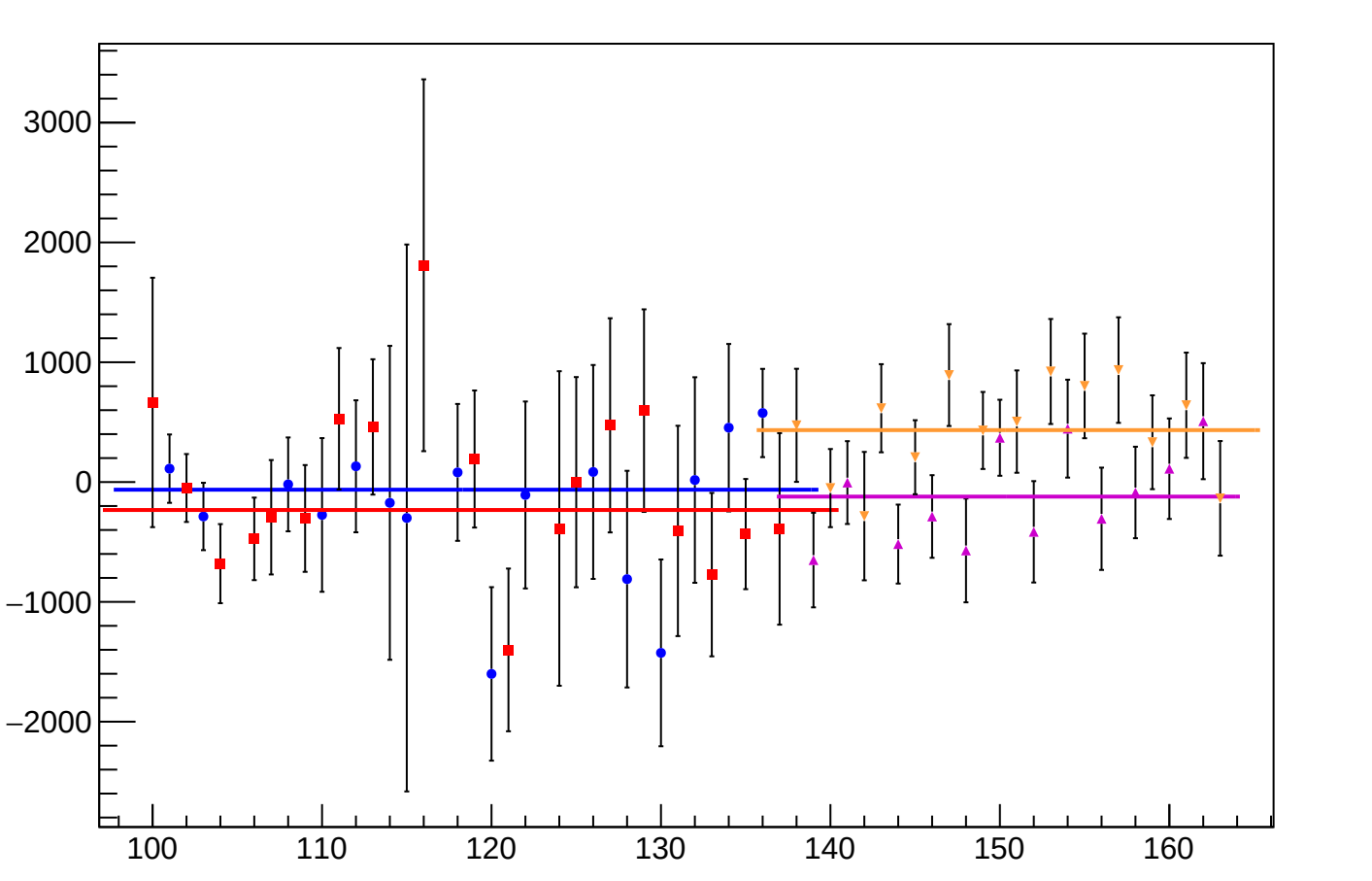
Left: 61.316+/-0.009 χ^2/NDF: 465263.5/25

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.480+/-0.010 χ^2/NDF:485200.6/27

Out: 61.158+/-0.010 χ^2/NDF:531816.1/32

All: 61.314+/-0.007 χ^2/NDF: 1017508.6/60



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -121.414+/-110.741 χ^2/NDF:11.7/11

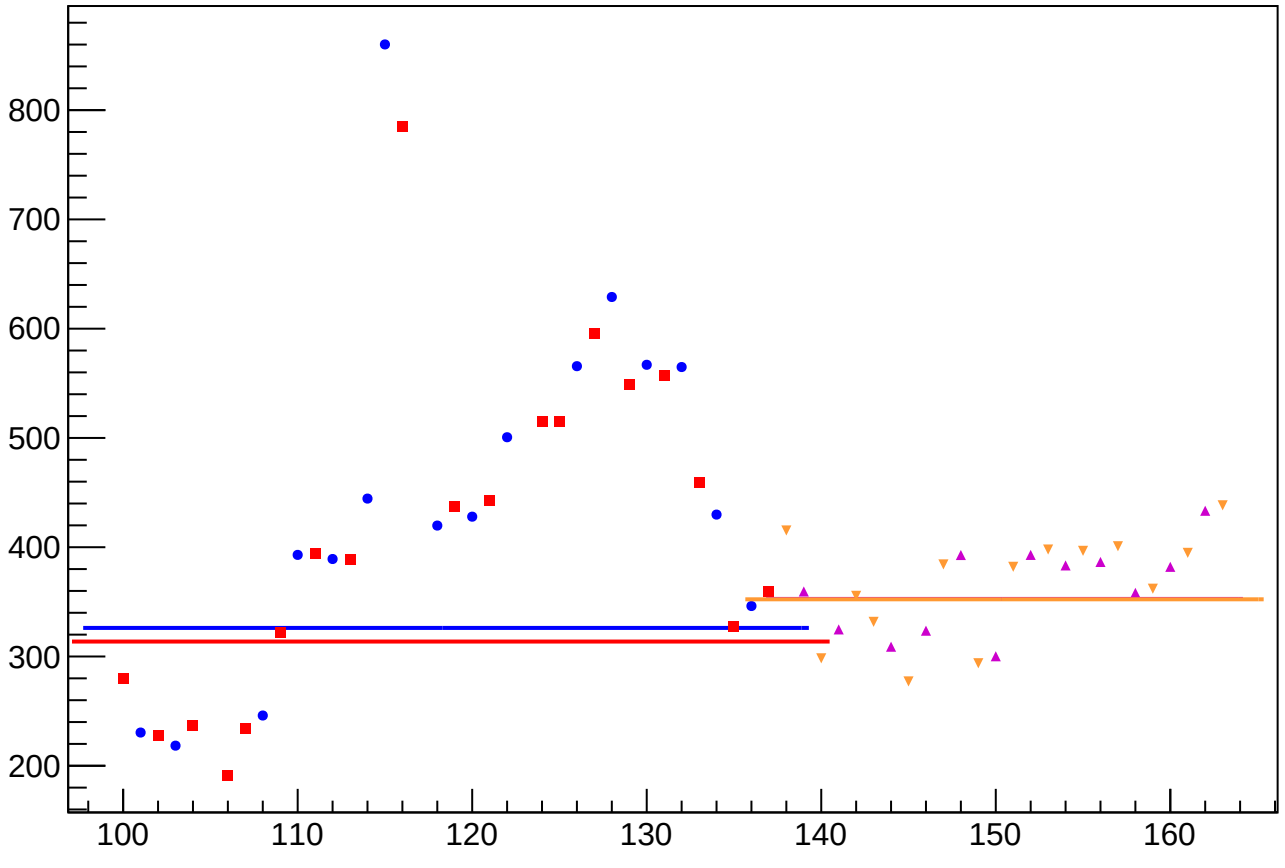
Left: 166.049+/-76.888 χ^2/NDF: 35.6/25

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -97.131+/-84.212 χ^2/NDF:25.0/27

Out: 146.304+/-80.599 χ^2/NDF:42.2/32

All: 29.920+/-58.227 χ^2/NDF: 71.6/60



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.9/13

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 352.683+/-0.078 χ^2/NDF:242714.8/11

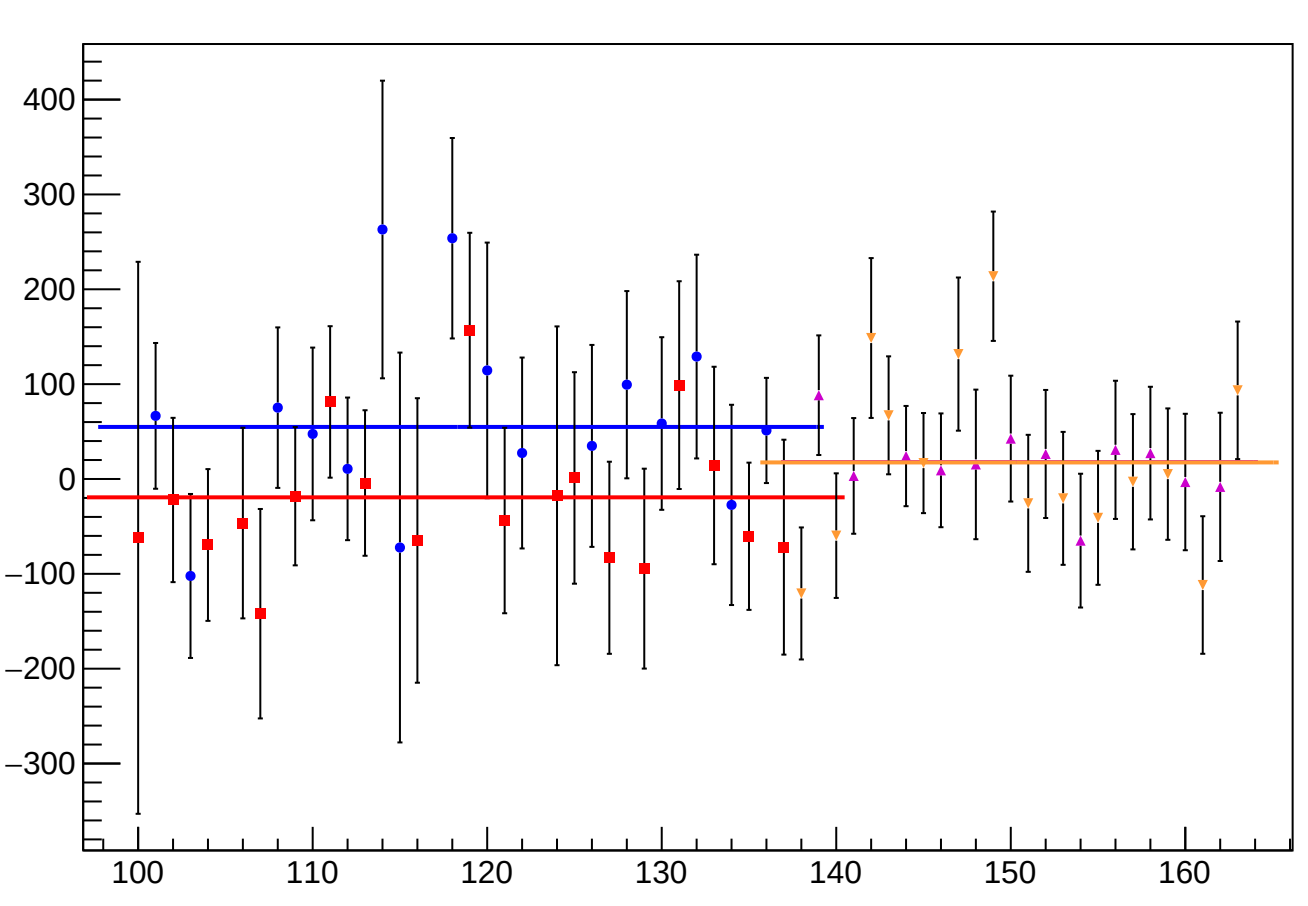
Left: 352.500+/-0.054 χ^2/NDF: 696300.3/25

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 341.492+/-0.060 χ^2/NDF:2025140.6/27

Out: 335.674+/-0.057 χ^2/NDF:2353740.3/32

All: 338.455+/-0.041 χ^2/NDF: 4383864.3/60



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 17.873+/-19.193 χ^2/NDF:3.1/11

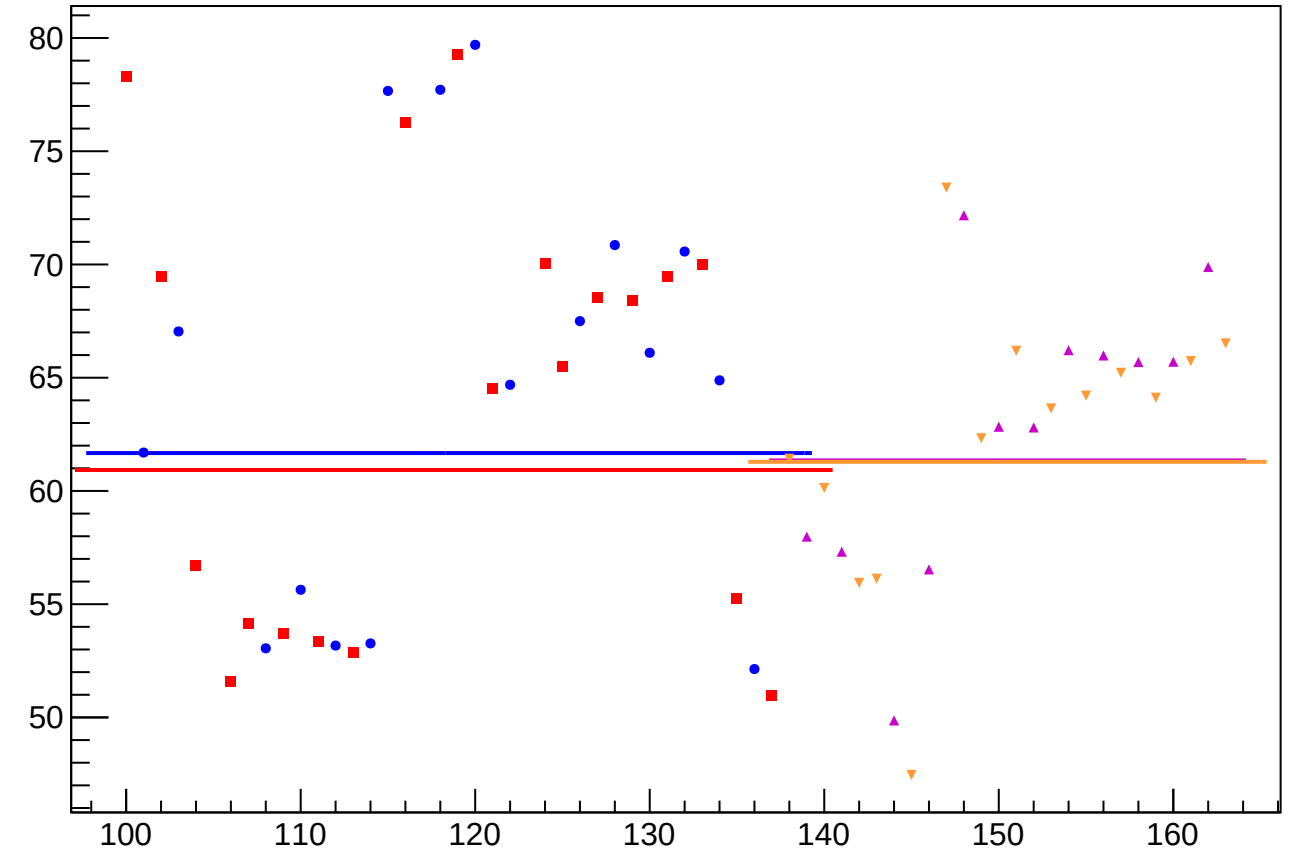
Left: 17.661+/-13.291 χ^2/NDF: 27.5/25

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 32.924+/-14.783 χ^2/NDF:15.7/27

Out: 2.757+/-14.276 χ^2/NDF:35.1/32

All: 17.315+/-10.269 χ^2/NDF: 53.0/60



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.349+/-0.014 χ^2/NDF:217860.1/11

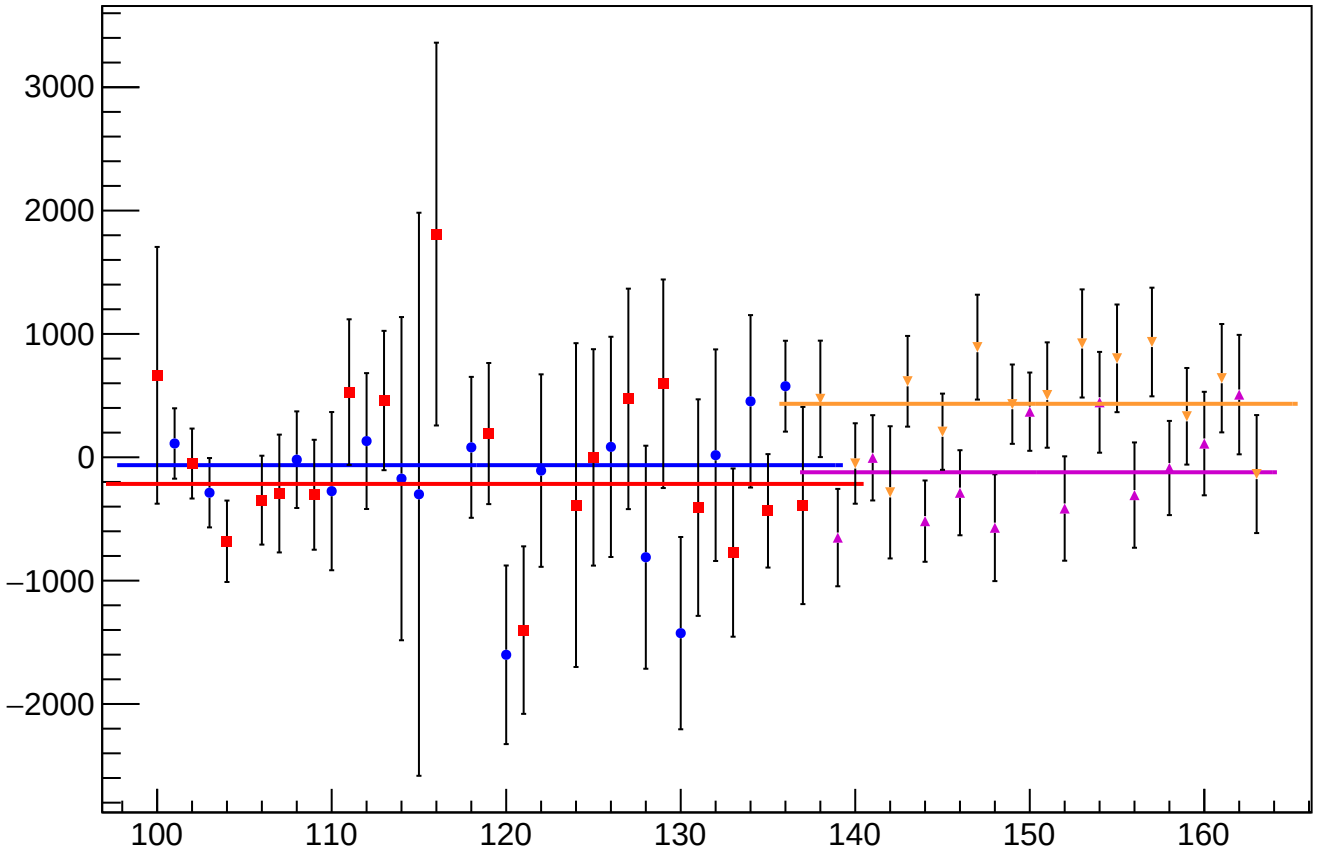
Left: 61.316+/-0.009 χ^2/NDF: 465263.5/25

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.480+/-0.010 χ^2/NDF:485200.8/27

Out: 61.142+/-0.010 χ^2/NDF:535277.5/32

All: 61.305+/-0.007 χ^2/NDF: 1021020.7/60



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -121.413+/-110.741 χ^2/NDF:11.7/11

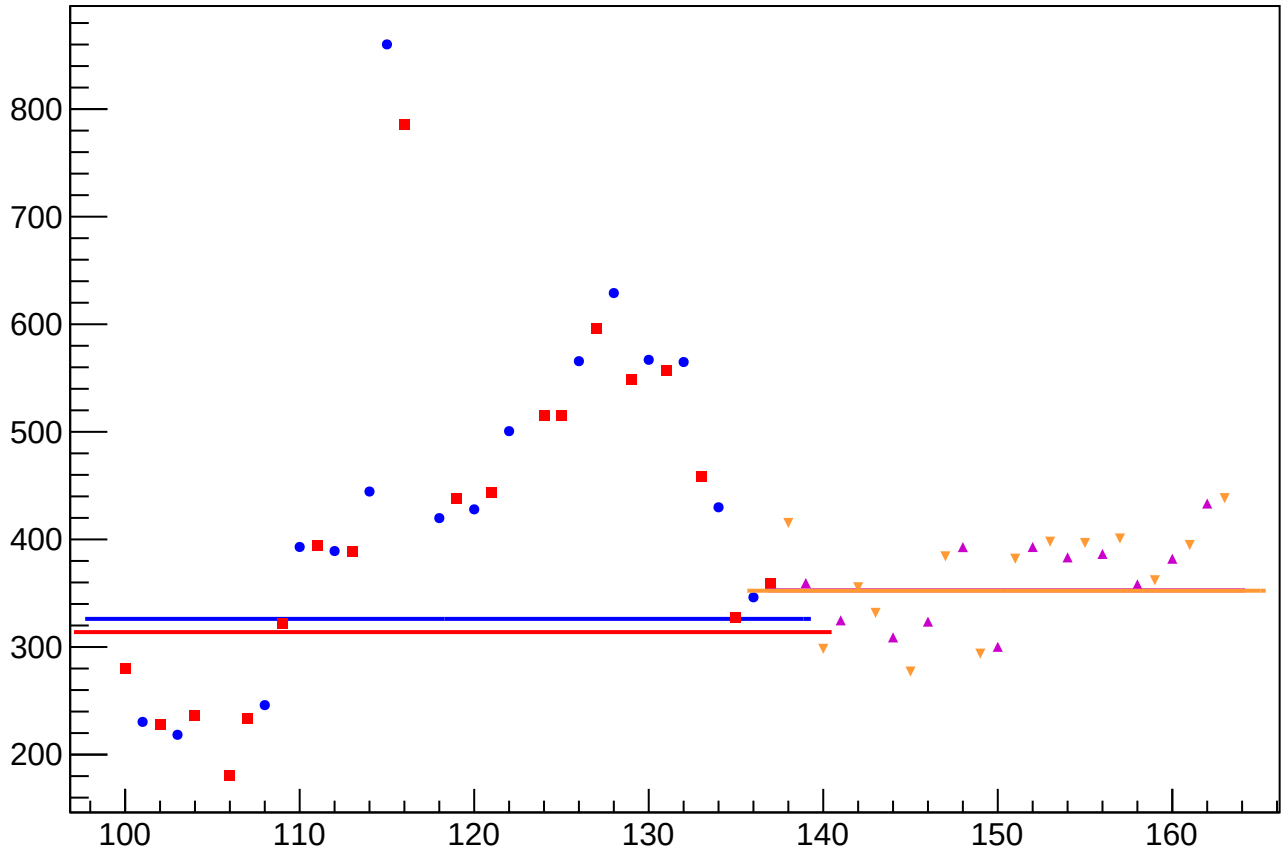
Left: 166.050+/-76.888 χ^2/NDF: 35.6/25

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -97.124+/-84.212 χ^2/NDF:25.0/27

Out: 155.566+/-80.796 χ^2/NDF:40.9/32

All: 34.449+/-58.302 χ^2/NDF: 70.5/60



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 352.683+/-0.078 χ^2/NDF:242713.8/11

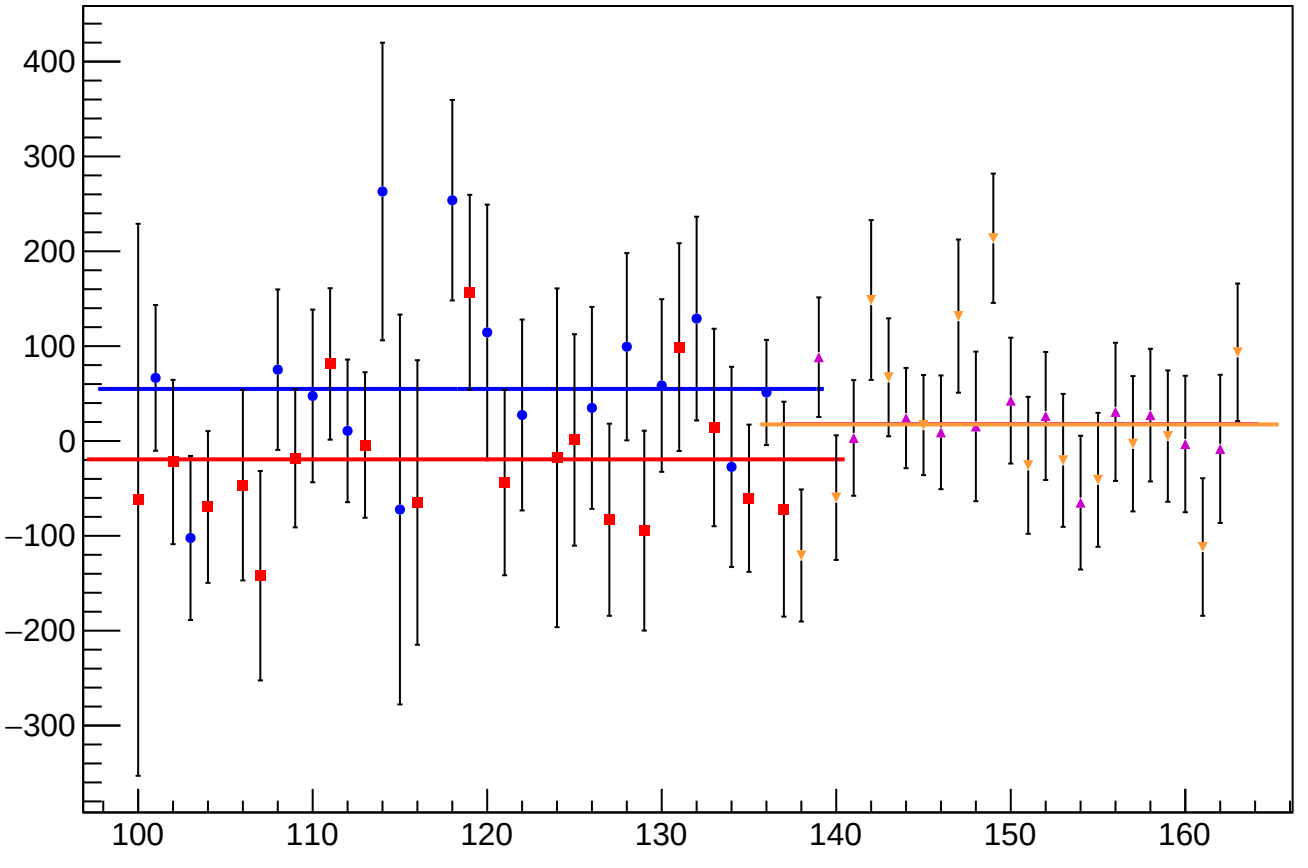
Left: 352.500+/-0.054 χ^2/NDF: 696298.4/25

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 341.494+/-0.060 χ^2/NDF:2025068.4/27

Out: 335.862+/-0.057 χ^2/NDF:2370350.0/32

All: 338.561+/-0.041 χ^2/NDF: 4400075.3/60



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 17.466+/-18.423 χ^2/NDF:24.4/13

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 17.873+/-19.193 χ^2/NDF:3.1/11

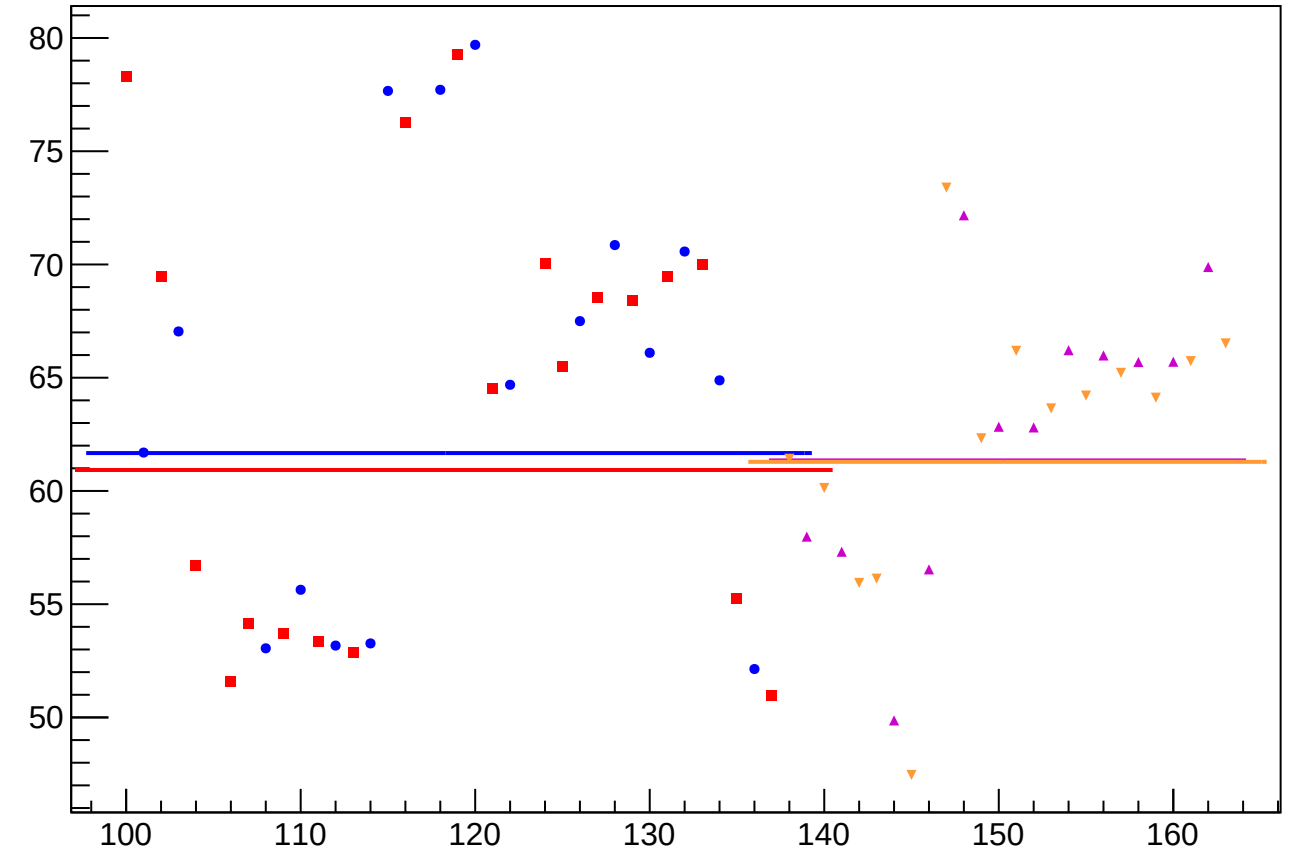
Left: 17.661+/-13.291 χ^2/NDF: 27.5/25

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 32.924+/-14.783 χ^2/NDF:15.7/27

Out: 2.757+/-14.276 χ^2/NDF:35.1/32

All: 17.315+/-10.269 χ^2/NDF: 53.0/60



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.286+/-0.013 χ^2/NDF:247392.3/13

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.349+/-0.014 χ^2/NDF:217860.1/11

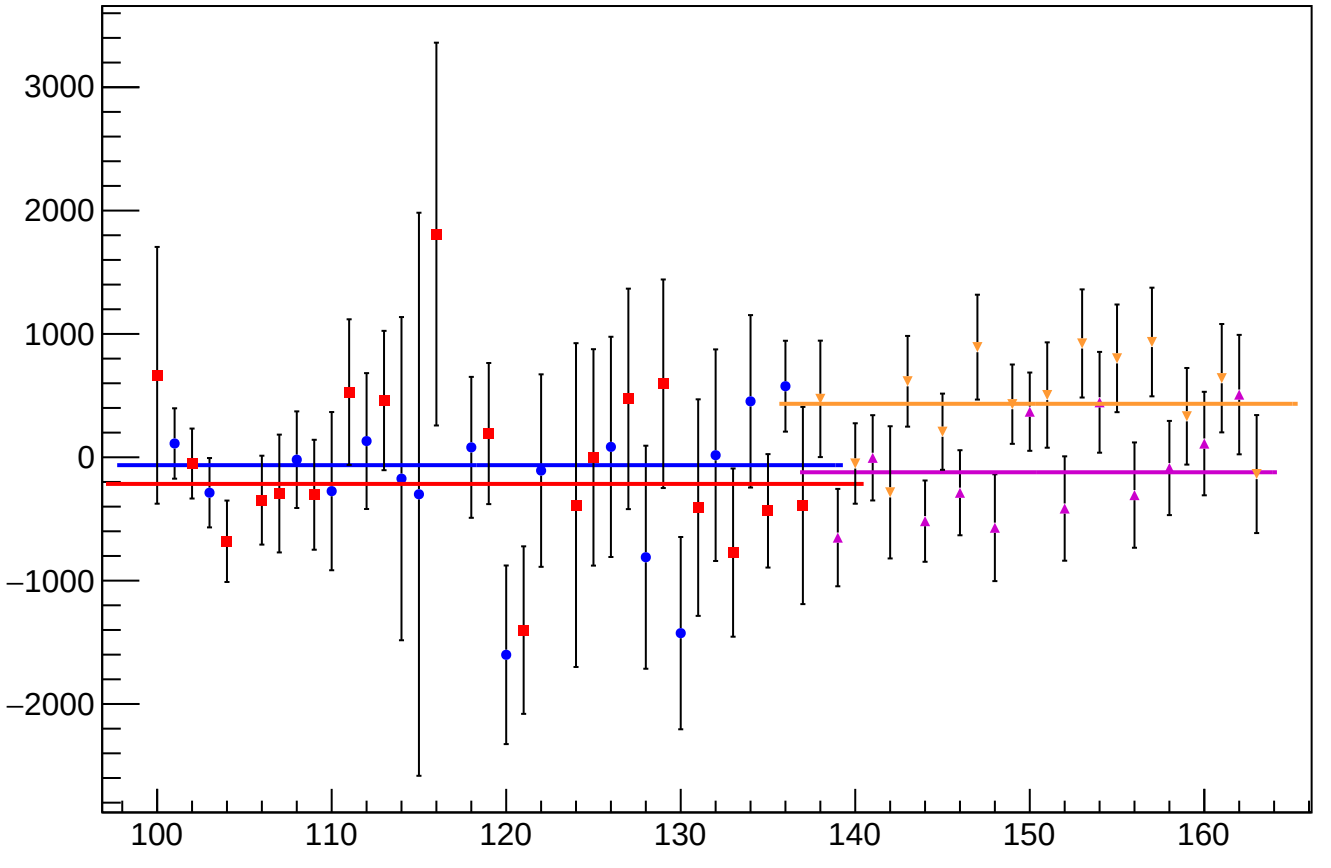
Left: 61.316+/-0.009 χ^2/NDF: 465263.5/25

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.480+/-0.010 χ^2/NDF:485200.8/27

Out: 61.142+/-0.010 χ^2/NDF:535277.5/32

All: 61.305+/-0.007 χ^2/NDF: 1021020.7/60



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 433.599+/-106.836 χ^2/NDF:10.9/13

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -121.413+/-110.741 χ^2/NDF:11.7/11

Left: 166.050+/-76.888 χ^2/NDF: 35.6/25

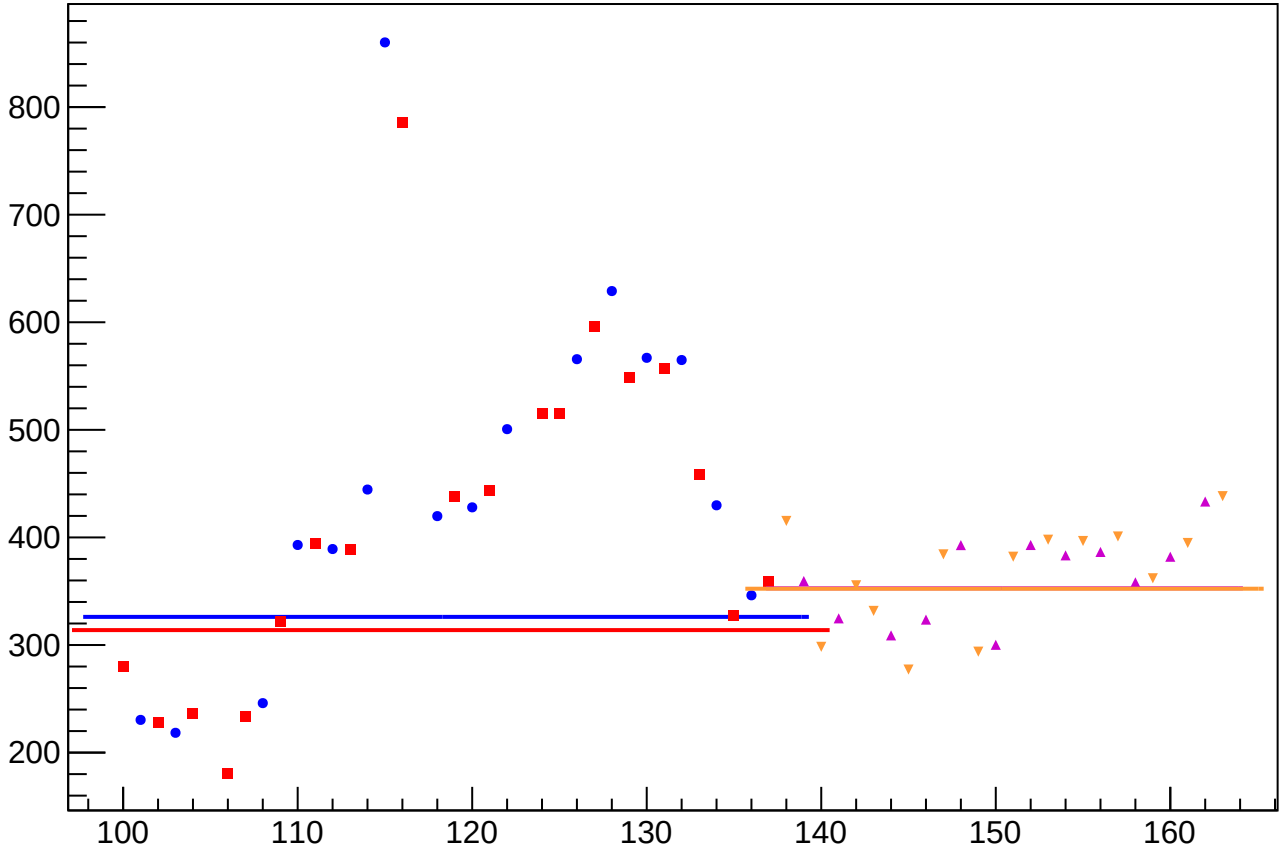
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -97.124+/-84.212 χ^2/NDF:25.0/27

Out: 155.566+/-80.796 χ^2/NDF:40.9/32

All: 34.449+/-58.302 χ^2/NDF: 70.5/60

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: 352.329+/-0.076 χ^2/NDF:453574.1/13

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 352.683+/-0.078 χ^2/NDF:242713.8/11

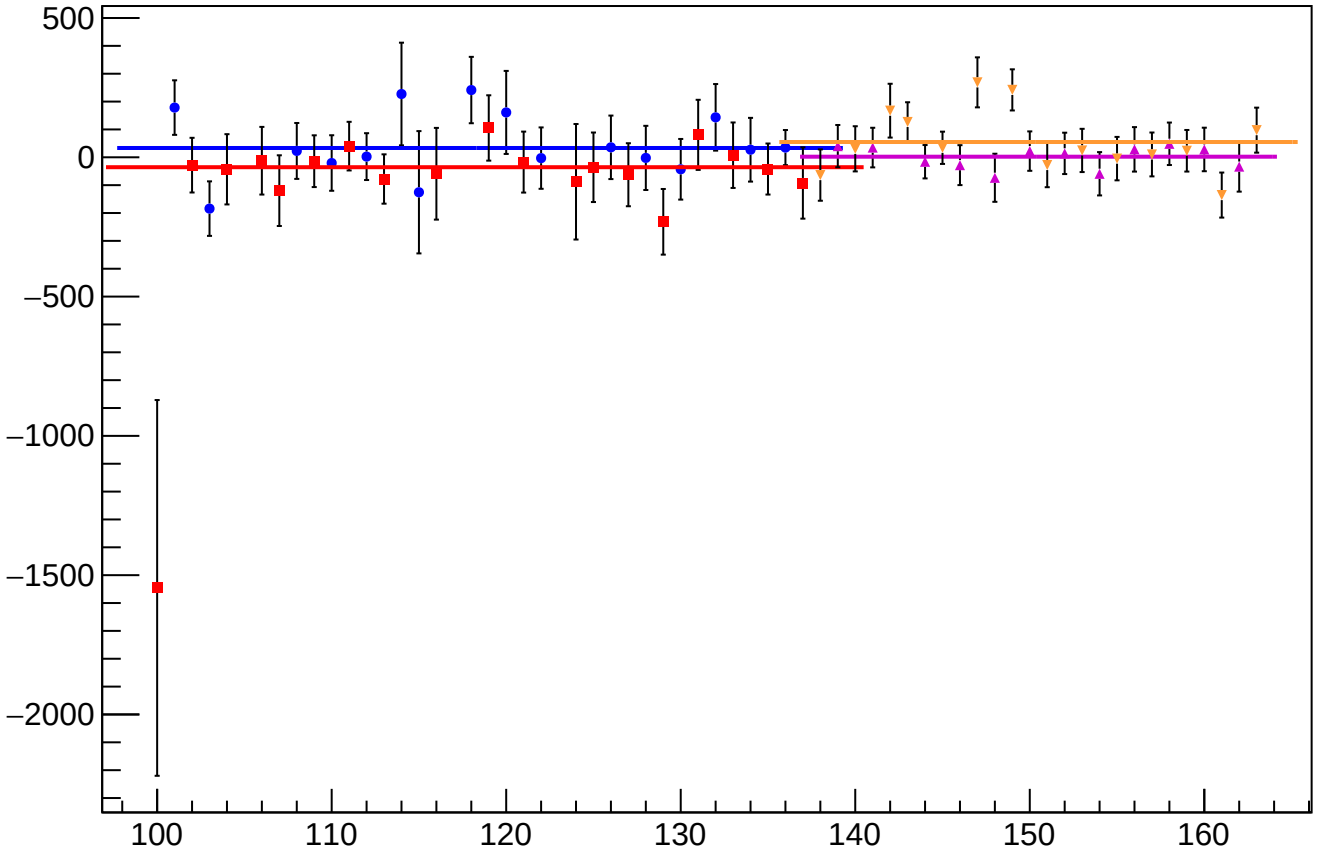
Left: 352.500+/-0.054 χ^2/NDF: 696298.4/25

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 341.494+/-0.060 χ^2/NDF:2025068.4/27

Out: 335.862+/-0.057 χ^2/NDF:2370350.0/32

All: 338.561+/-0.041 χ^2/NDF: 4400075.3/60



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 54.891+/-20.772 χ^2/NDF:24.5/13

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 2.135+/-21.601 χ^2/NDF:3.0/11

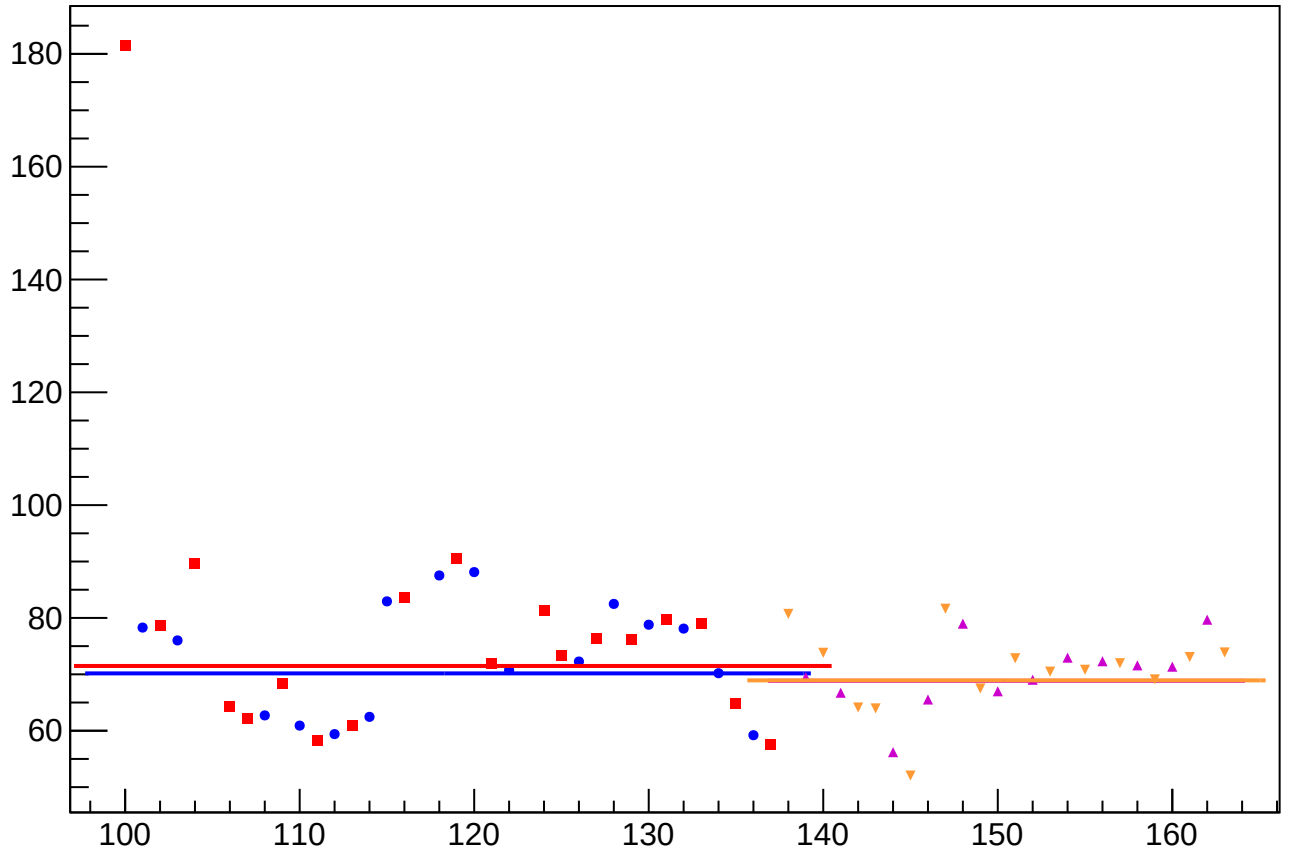
Left: 29.544+/-14.973 χ^2/NDF: 30.6/25

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 14.664+/-16.722 χ^2/NDF:18.4/27

Out: 20.518+/-16.357 χ^2/NDF:43.8/32

All: 17.655+/-11.693 χ^2/NDF: 62.2/60



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.932+/-0.015 χ^2/NDF:288006.1/13

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.850+/-0.015 χ^2/NDF:167507.1/11

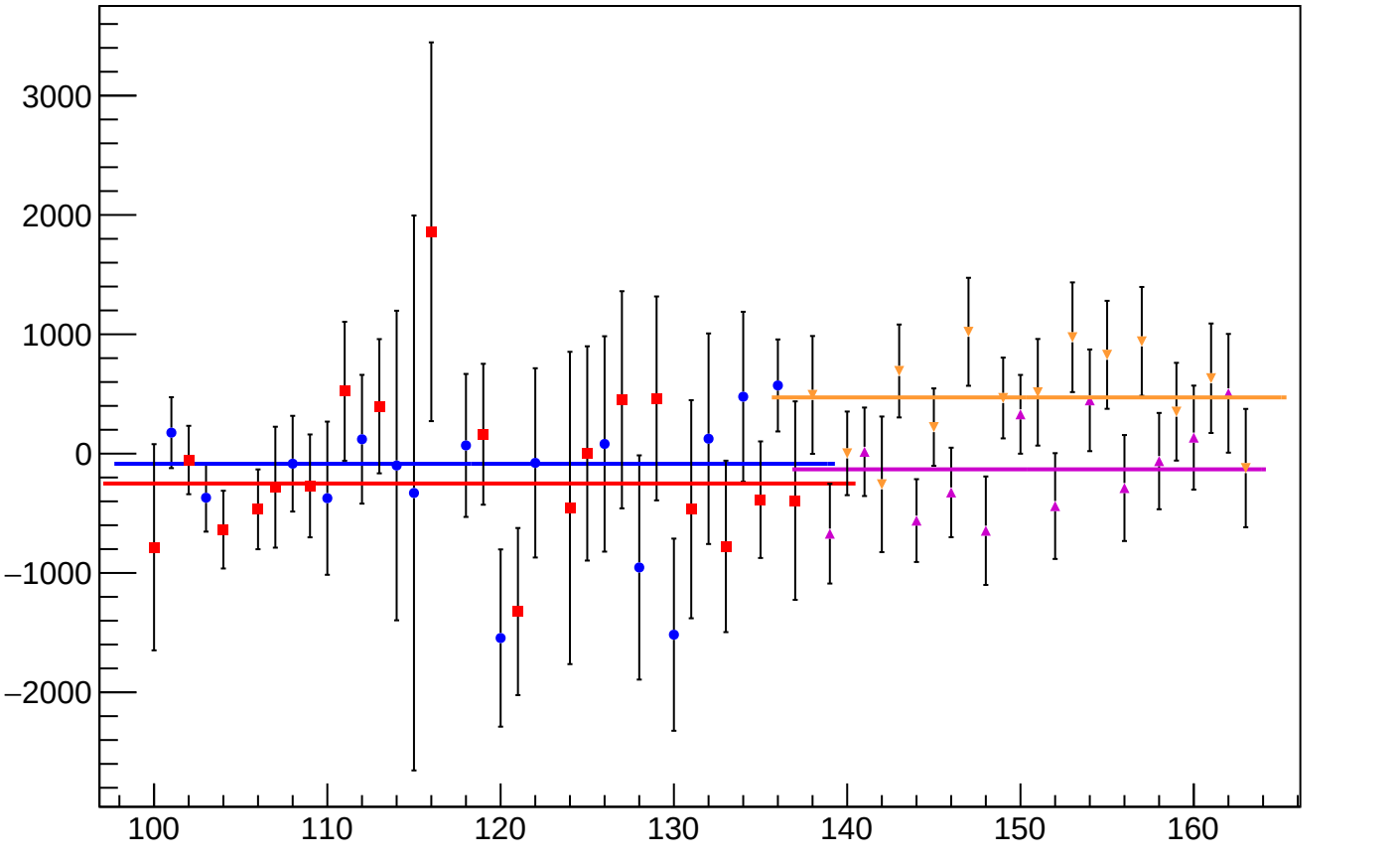
Left: 68.892+/-0.011 χ^2/NDF: 455528.1/25

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.378+/-0.012 χ^2/NDF:439738.8/27

Out: 69.901+/-0.012 χ^2/NDF:625185.8/32

All: 69.645+/-0.008 χ^2/NDF: 1065925.6/60



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 470.963+/-112.309 χ^2/NDF:10.4/13

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -131.581+/-116.584 χ^2/NDF:11.3/11

Left: 180.941+/-80.883 χ^2/NDF: 35.6/25

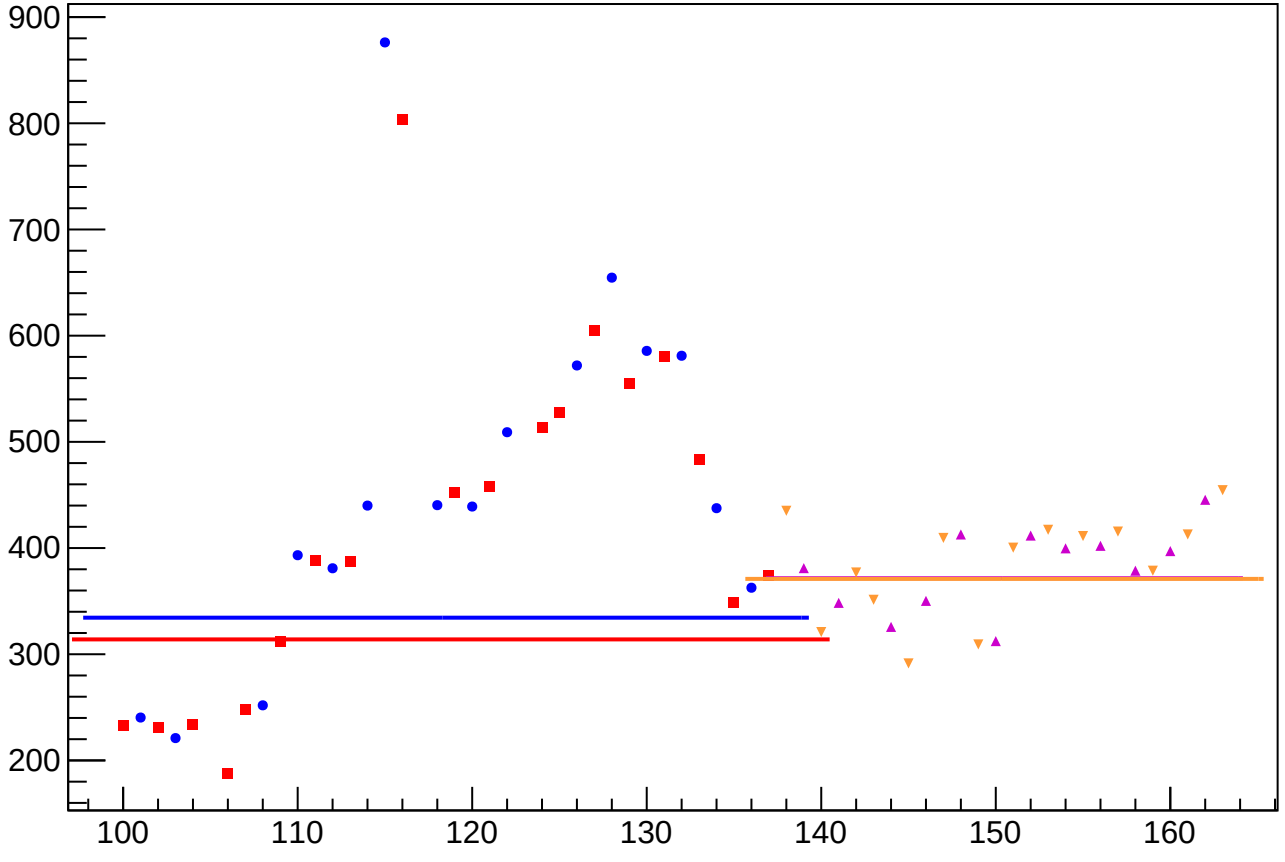
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -111.400+/-87.635 χ^2/NDF:25.1/27

Out: 143.847+/-83.029 χ^2/NDF:41.5/32

All: 23.107+/-60.273 χ^2/NDF: 71.1/60

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: 370.957+/-0.079 χ^2/NDF:419428.8/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 371.589+/-0.082 χ^2/NDF:217261.0/11

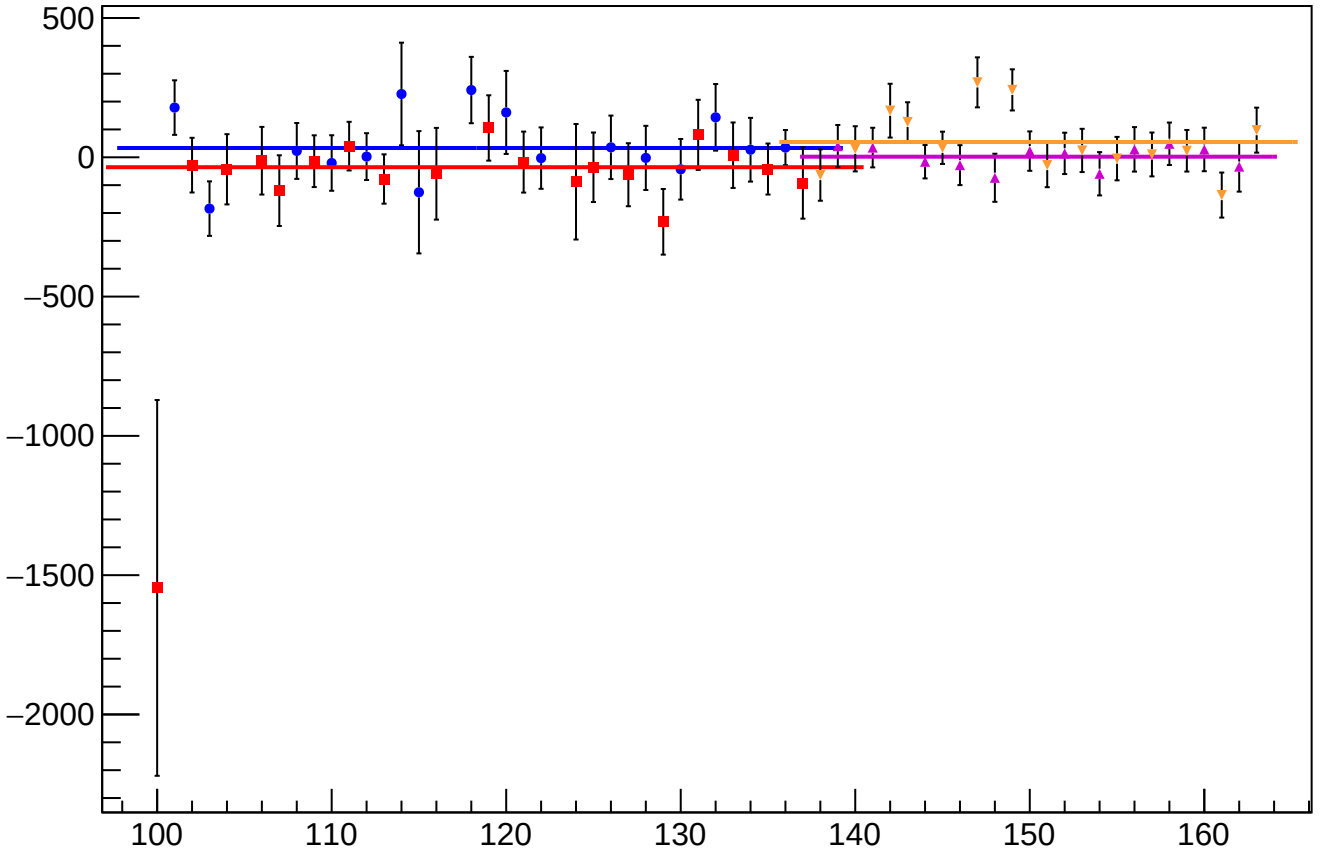
Left: 371.261+/-0.057 χ^2/NDF: 636720.3/25

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 355.427+/-0.062 χ^2/NDF:2036244.6/27

Out: 345.117+/-0.059 χ^2/NDF:2557518.2/32

All: 349.994+/-0.043 χ^2/NDF: 4608349.8/60



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 54.890+/-20.772 χ^2/NDF:24.5/13

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 2.135+/-21.601 χ^2/NDF:3.0/11

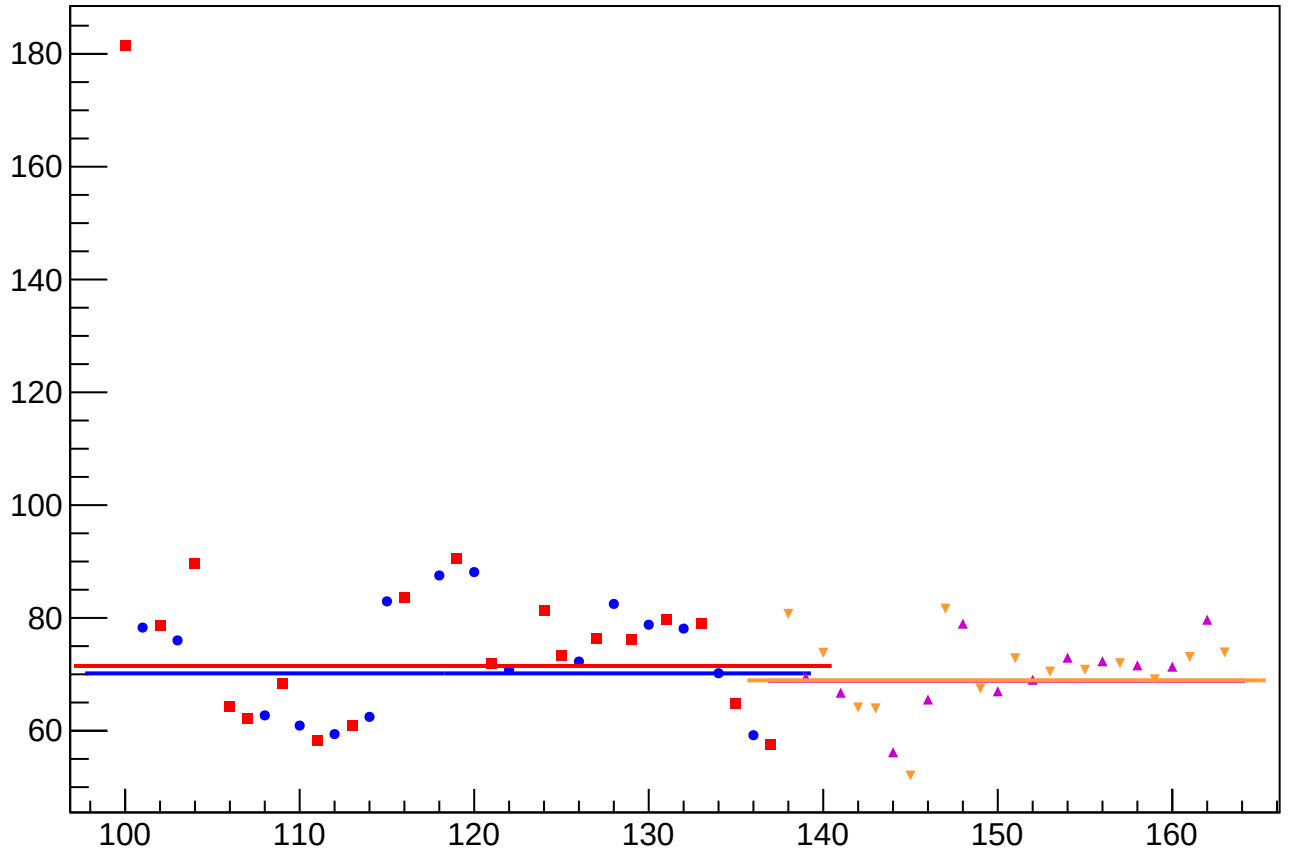
Left: 29.544+/-14.973 χ^2/NDF: 30.6/25

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 14.664+/-16.722 χ^2/NDF:18.4/27

Out: 20.517+/-16.357 χ^2/NDF:43.8/32

All: 17.655+/-11.693 χ^2/NDF: 62.2/60



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.932+/-0.015 χ^2/NDF:288010.8/13

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.850+/-0.015 χ^2/NDF:167508.8/11

Left: 68.892+/-0.011 χ^2/NDF: 455534.6/25

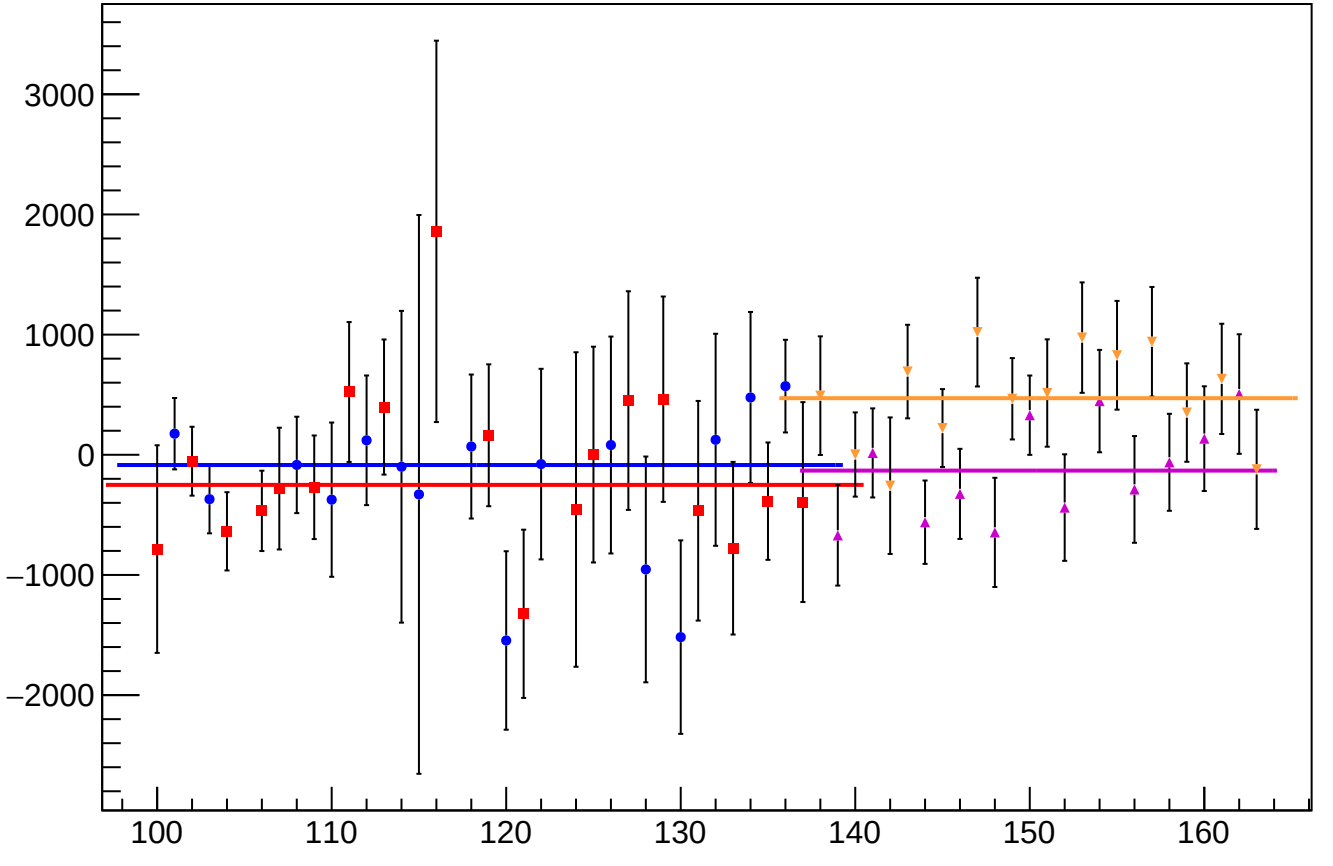
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.378+/-0.012 χ^2/NDF:439744.1/27

Out: 69.901+/-0.012 χ^2/NDF:625198.1/32

All: 69.645+/-0.008 χ^2/NDF: 1065943.0/60

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: 470.962+/-112.309 χ^2/NDF:10.4/13

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -131.581+/-116.584 χ^2/NDF:11.3/11

Left: 180.941+/-80.883 χ^2/NDF: 35.6/25

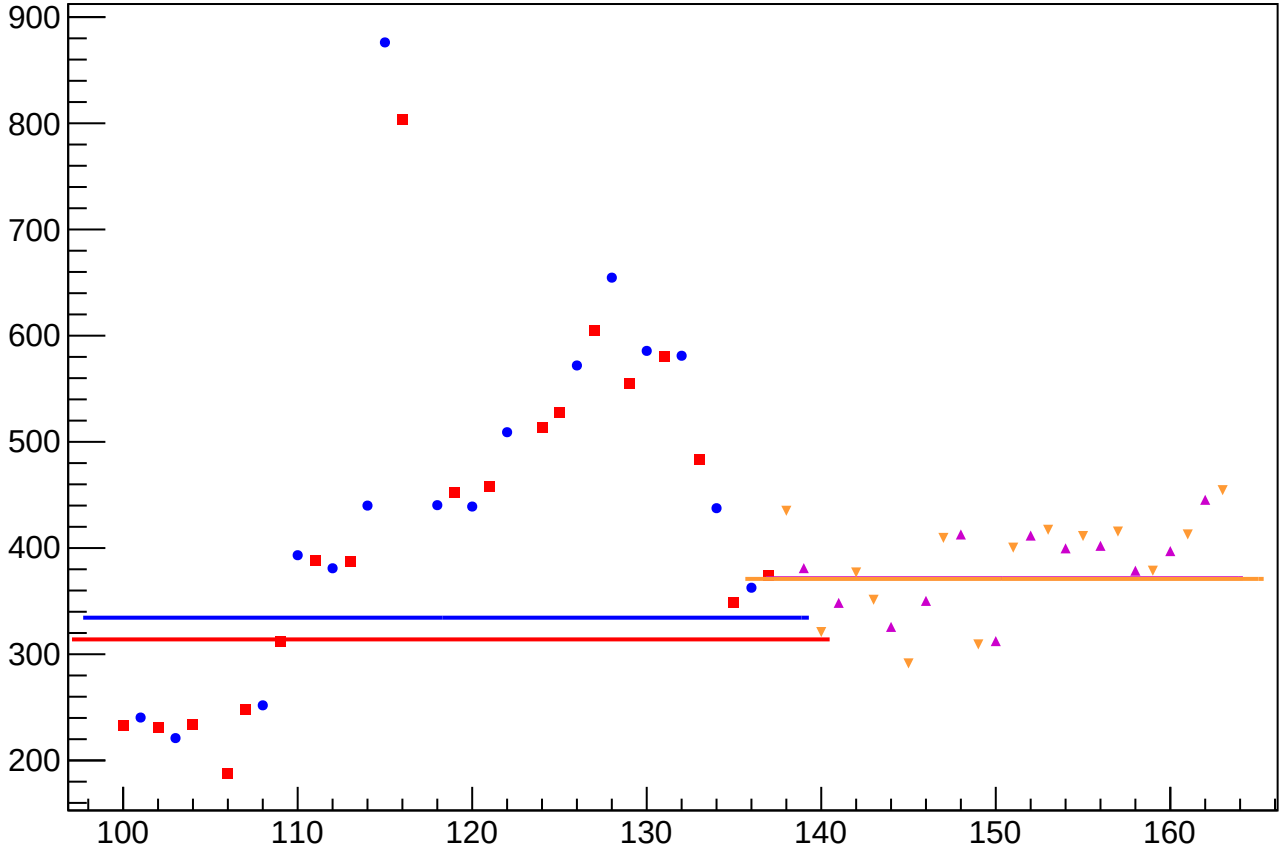
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -111.401+/-87.635 χ^2/NDF:25.1/27

Out: 143.846+/-83.029 χ^2/NDF:41.5/32

All: 23.106+/-60.273 χ^2/NDF: 71.1/60

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: 370.956+/-0.079 χ^2/NDF:419432.2/13

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 371.589+/-0.082 χ^2/NDF:217260.5/11

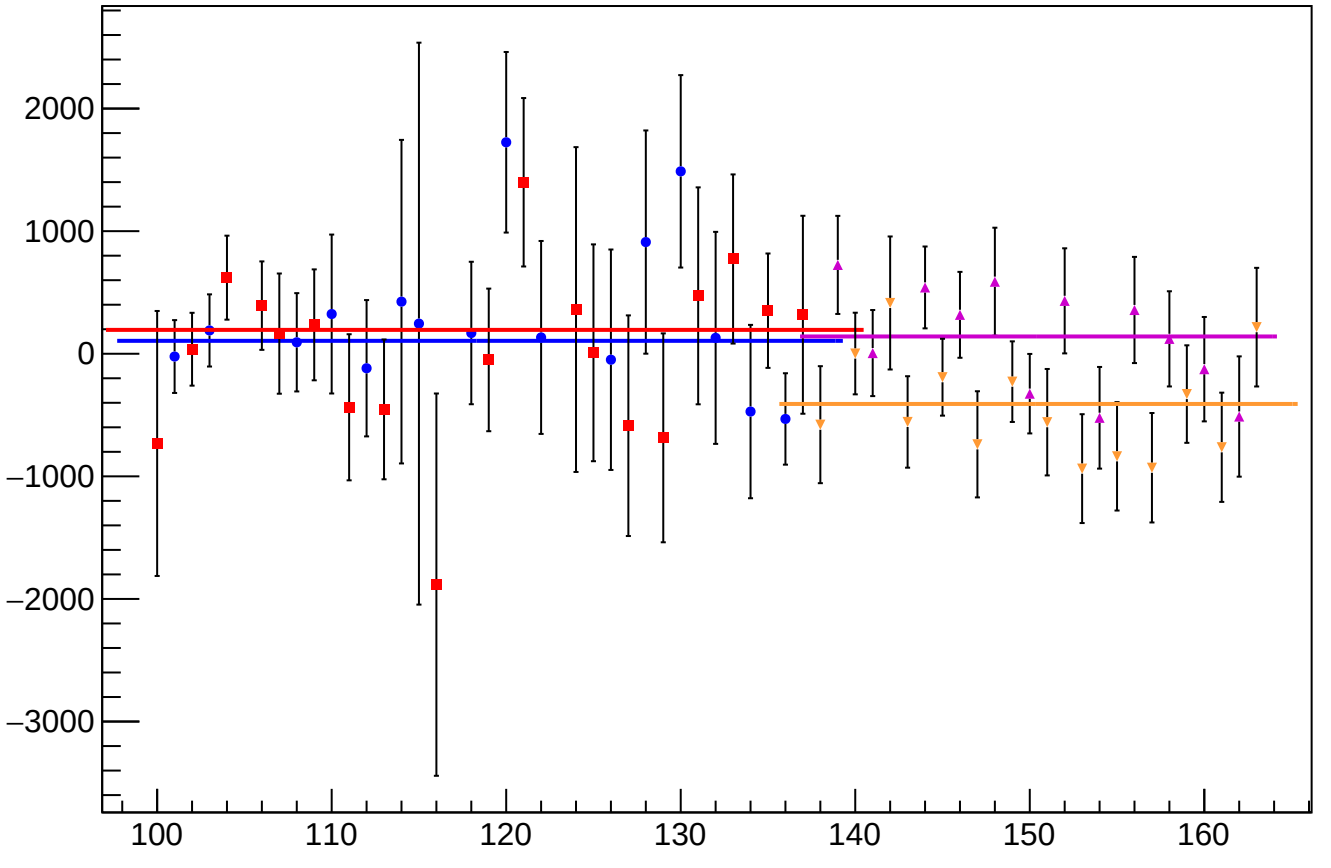
Left: 371.261+/-0.057 χ^2/NDF: 636723.3/25

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 355.427+/-0.062 χ^2/NDF:2036242.4/27

Out: 345.117+/-0.059 χ^2/NDF:2557518.6/32

All: 349.994+/-0.043 χ^2/NDF: 4608348.5/60



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -409.468+/-108.528 χ^2/NDF:11.6/13

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 141.019+/-112.477 χ^2/NDF:12.5/11

Left: -144.059+/-78.100 χ^2/NDF: 36.6/25

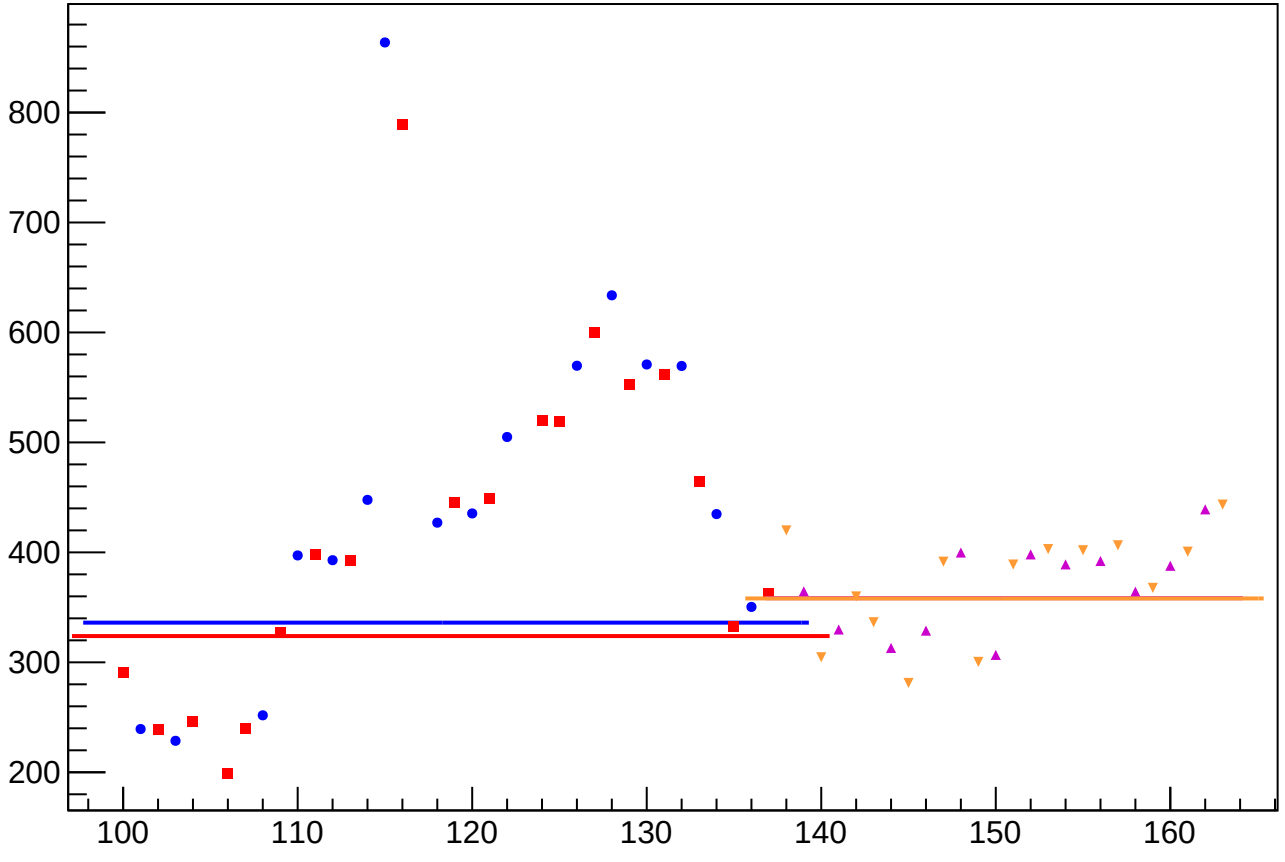
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 126.169+/-85.895 χ^2/NDF:25.5/27

Out: -152.605+/-82.285 χ^2/NDF:38.0/32

All: -19.200+/-59.420 χ^2/NDF: 69.0/60

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 358.094+/-0.077 χ^2/NDF:441014.8/13

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 358.323+/-0.080 χ^2/NDF:237640.8/11

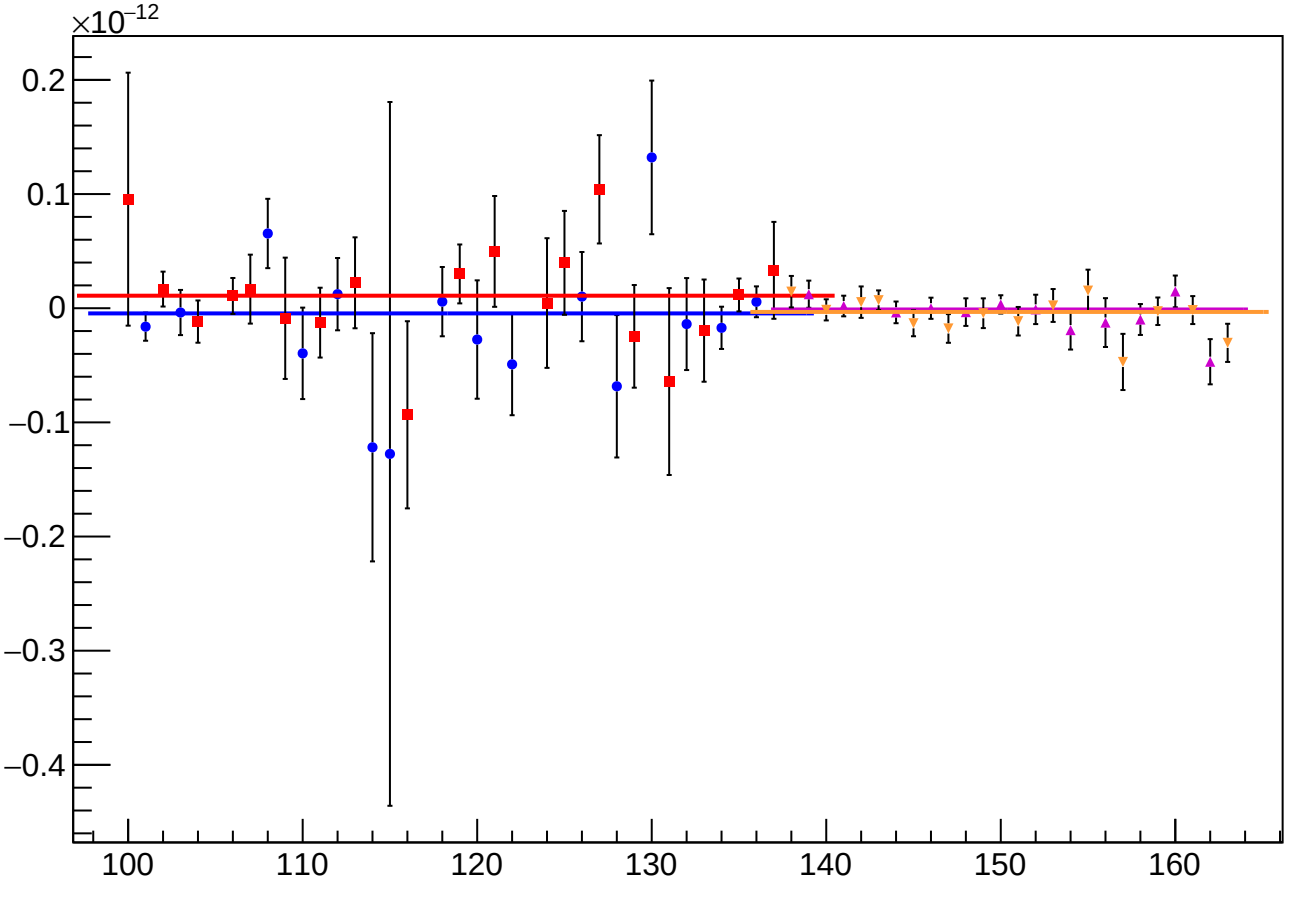
Left: 358.205+/-0.055 χ^2/NDF: 678659.9/25

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 349.057+/-0.061 χ^2/NDF:1889203.4/27

Out: 343.551+/-0.058 χ^2/NDF:2190917.2/32

All: 346.186+/-0.042 χ^2/NDF: 4084406.4/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.0/13

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/11

Left: -0.000+/-0.000 χ^2/NDF: 23.5/25

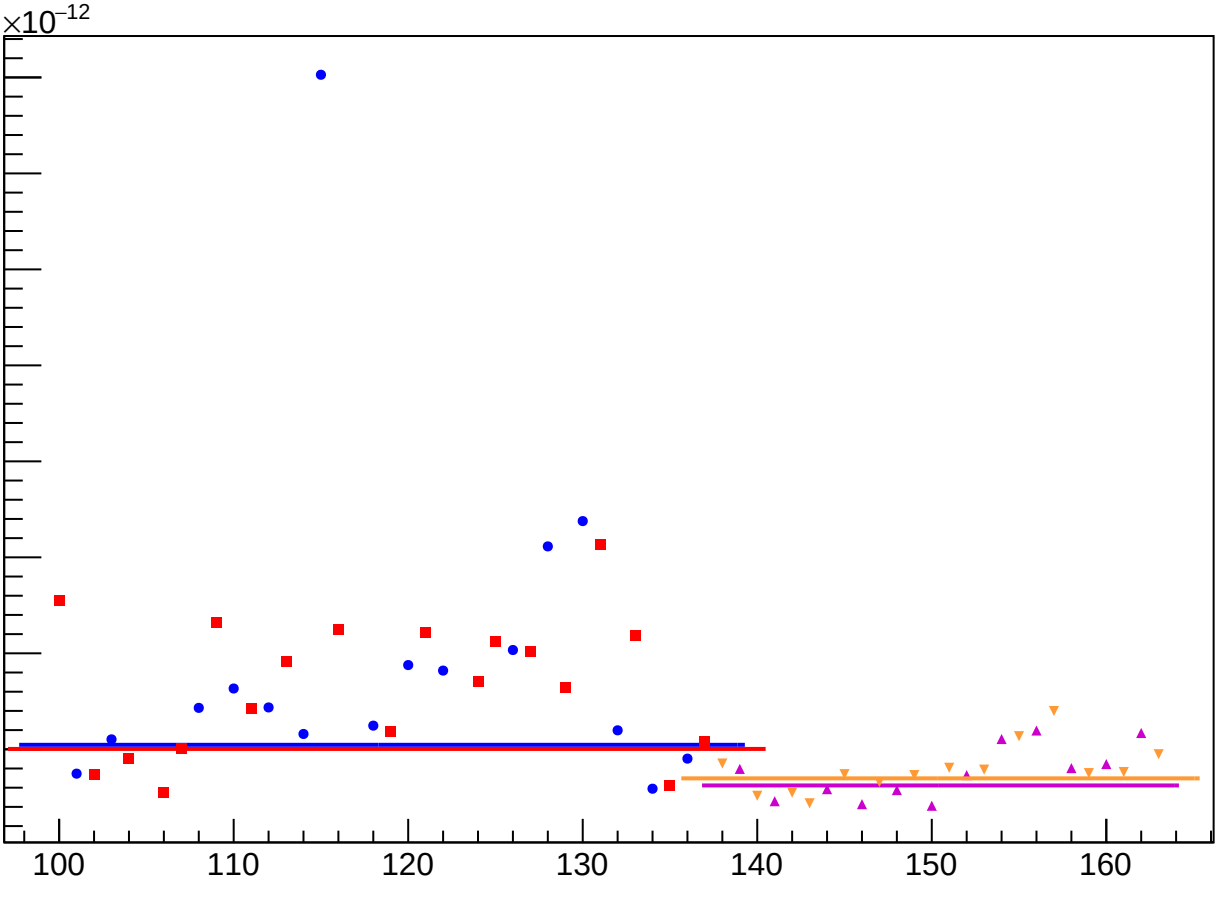
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:27.0/27

Out: -0.000+/-0.000 χ^2/NDF:29.3/32

All: -0.000+/-0.000 χ^2/NDF: 56.4/60

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:669984.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:899927.3/11

Left: 0.000+/-0.000 χ^2/NDF: 1618324.5/25

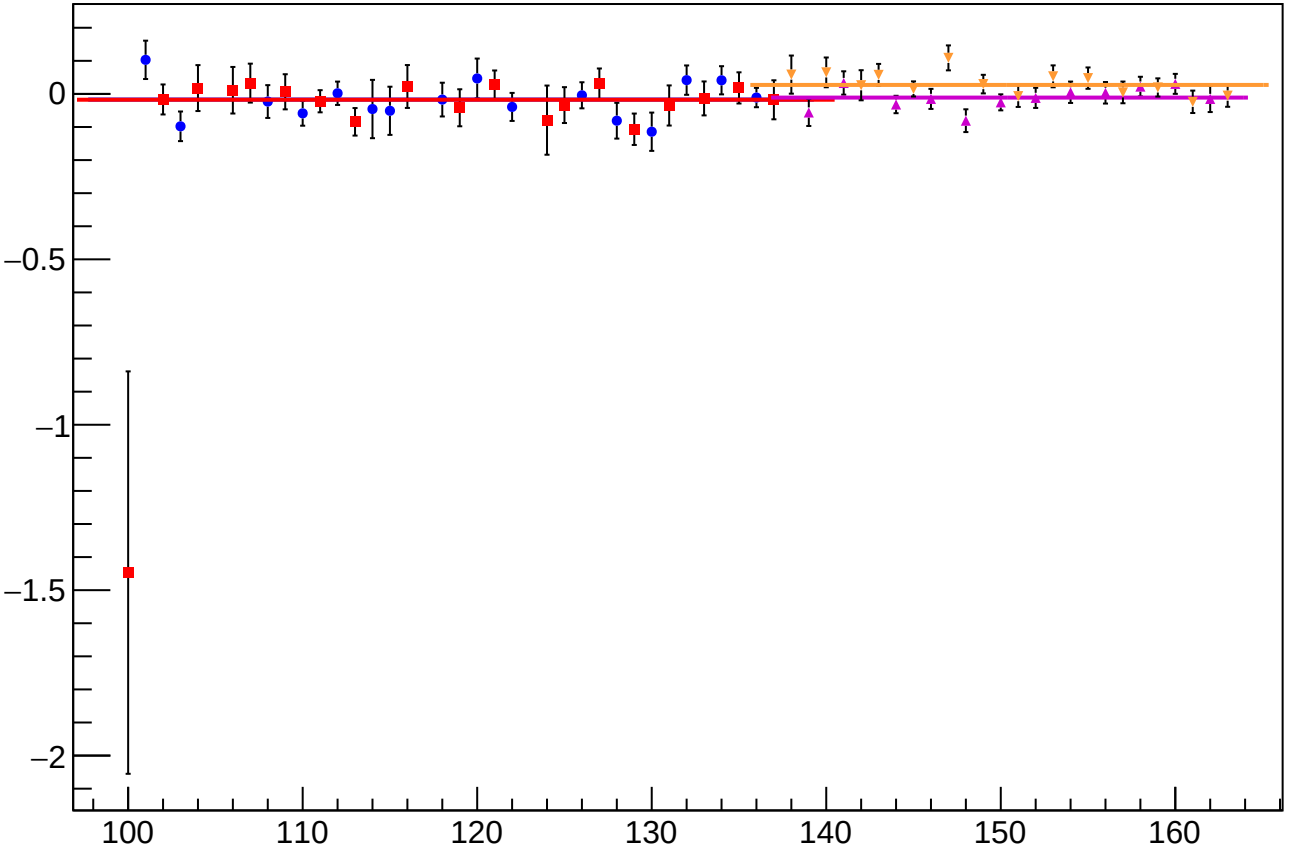
Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2763003.3/27

Out: 0.000+/-0.000 χ^2/NDF:2444669.7/32

All: 0.000+/-0.000 χ^2/NDF: 5235769.7/60

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/11

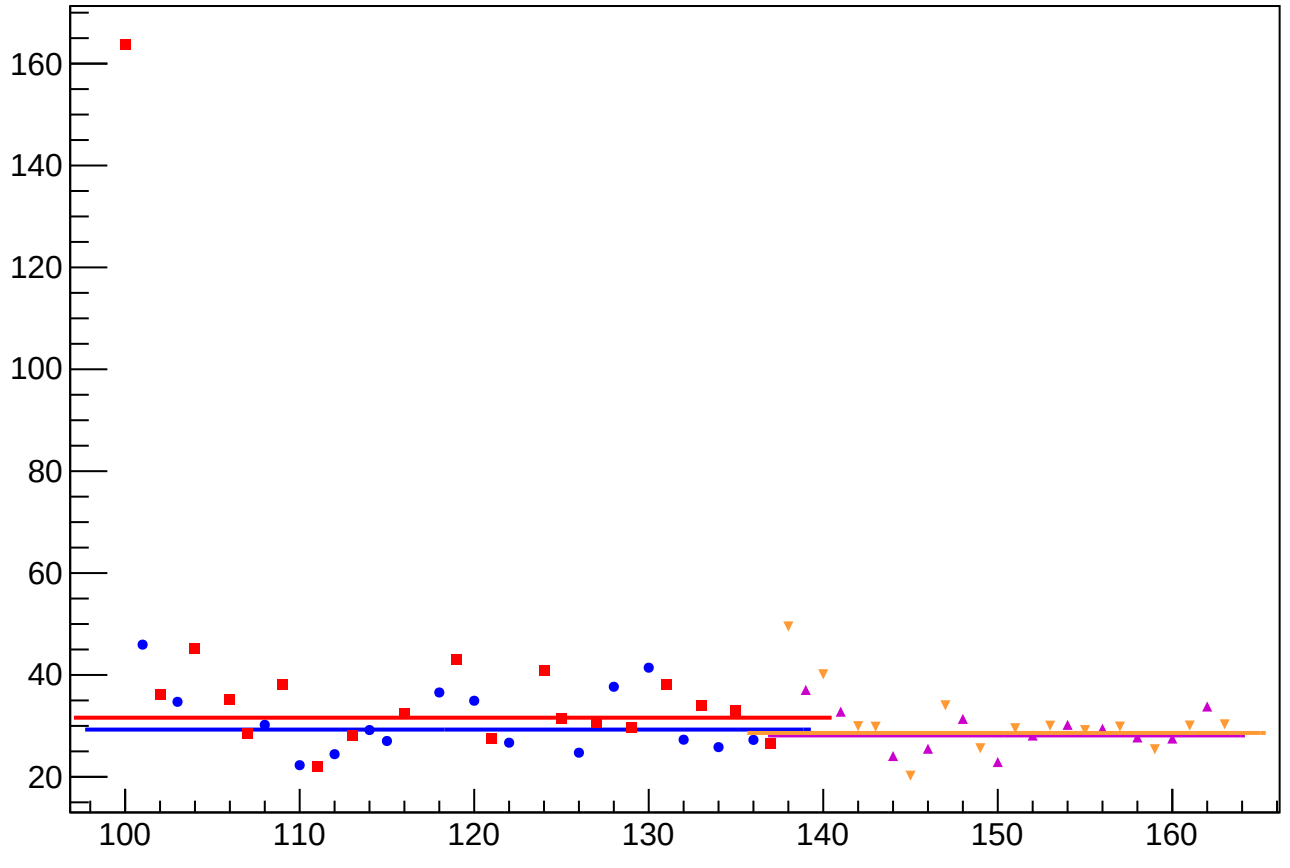
Left: 0.008+/-0.006 χ^2/NDF: 33.4/25

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/27

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.2/60



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.617+/-0.006 χ^2/NDF:777934.8/13

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.129+/-0.006 χ^2/NDF:356838.5/11

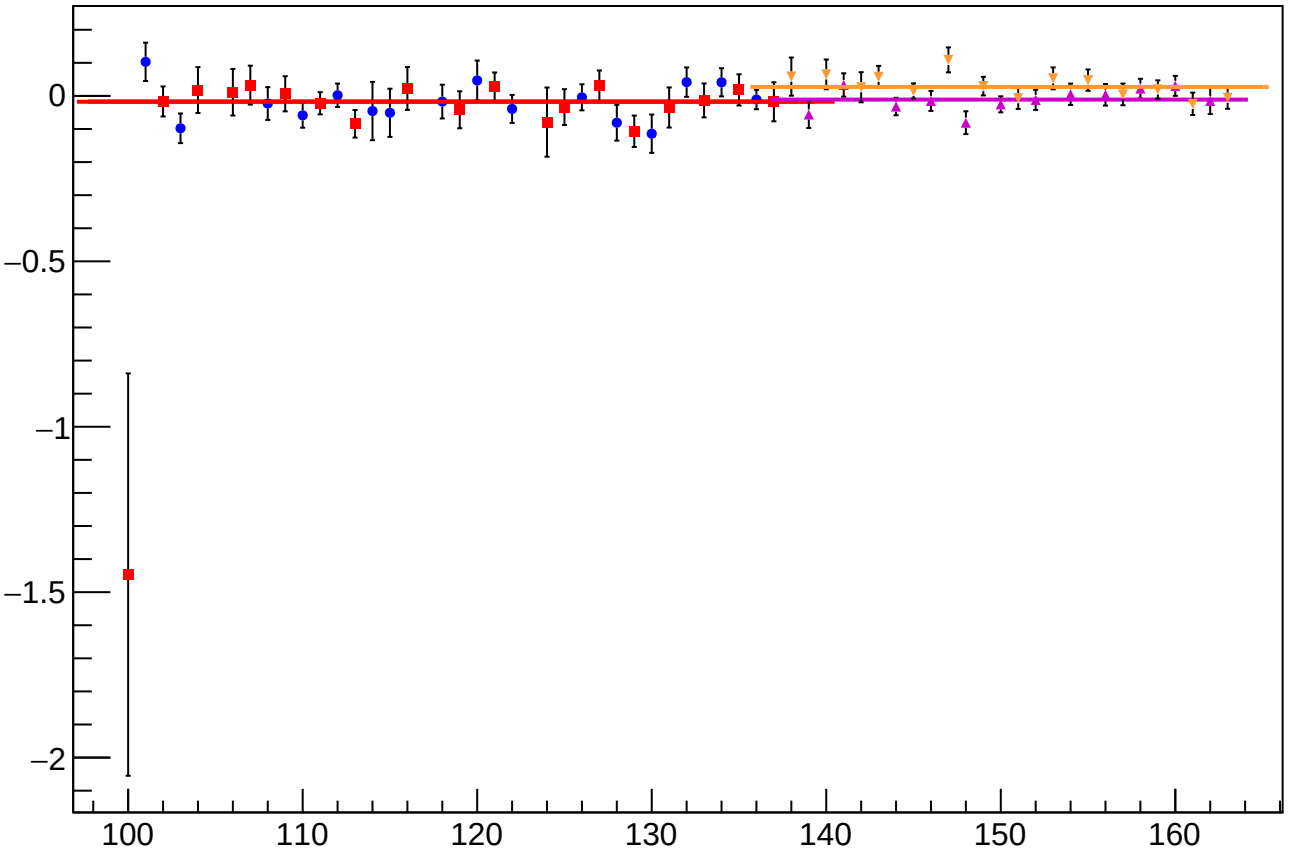
Left: 28.378+/-0.004 χ^2/NDF: 1137775.4/25

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.573+/-0.005 χ^2/NDF:930090.0/27

Out: 29.655+/-0.005 χ^2/NDF:1430292.5/32

All: 29.109+/-0.004 χ^2/NDF: 2383673.8/60



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/11

Left: 0.008+/-0.006 χ^2/NDF: 33.4/25

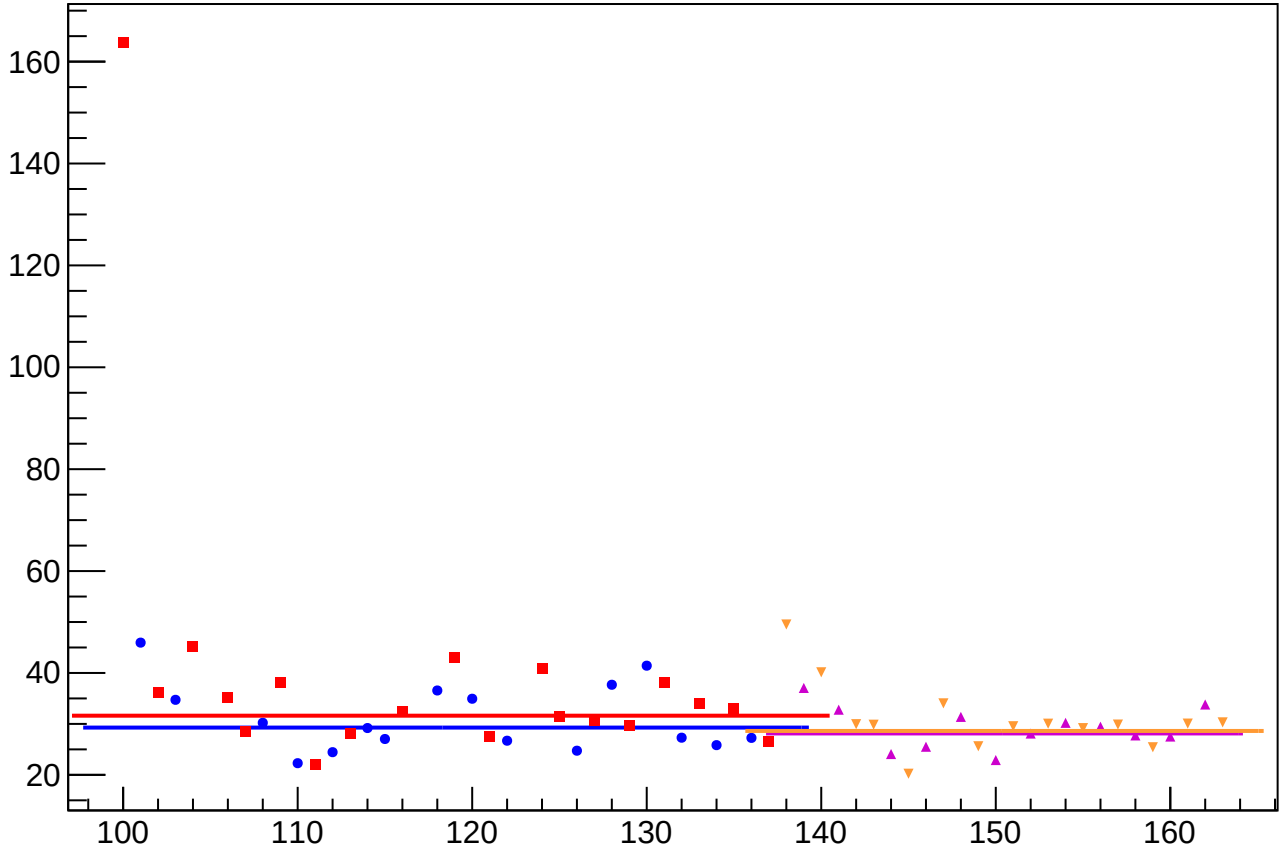
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/27

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.2/60

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.617+/-0.006 χ^2/NDF:777934.8/13

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 28.129+/-0.006 χ^2/NDF:356838.5/11

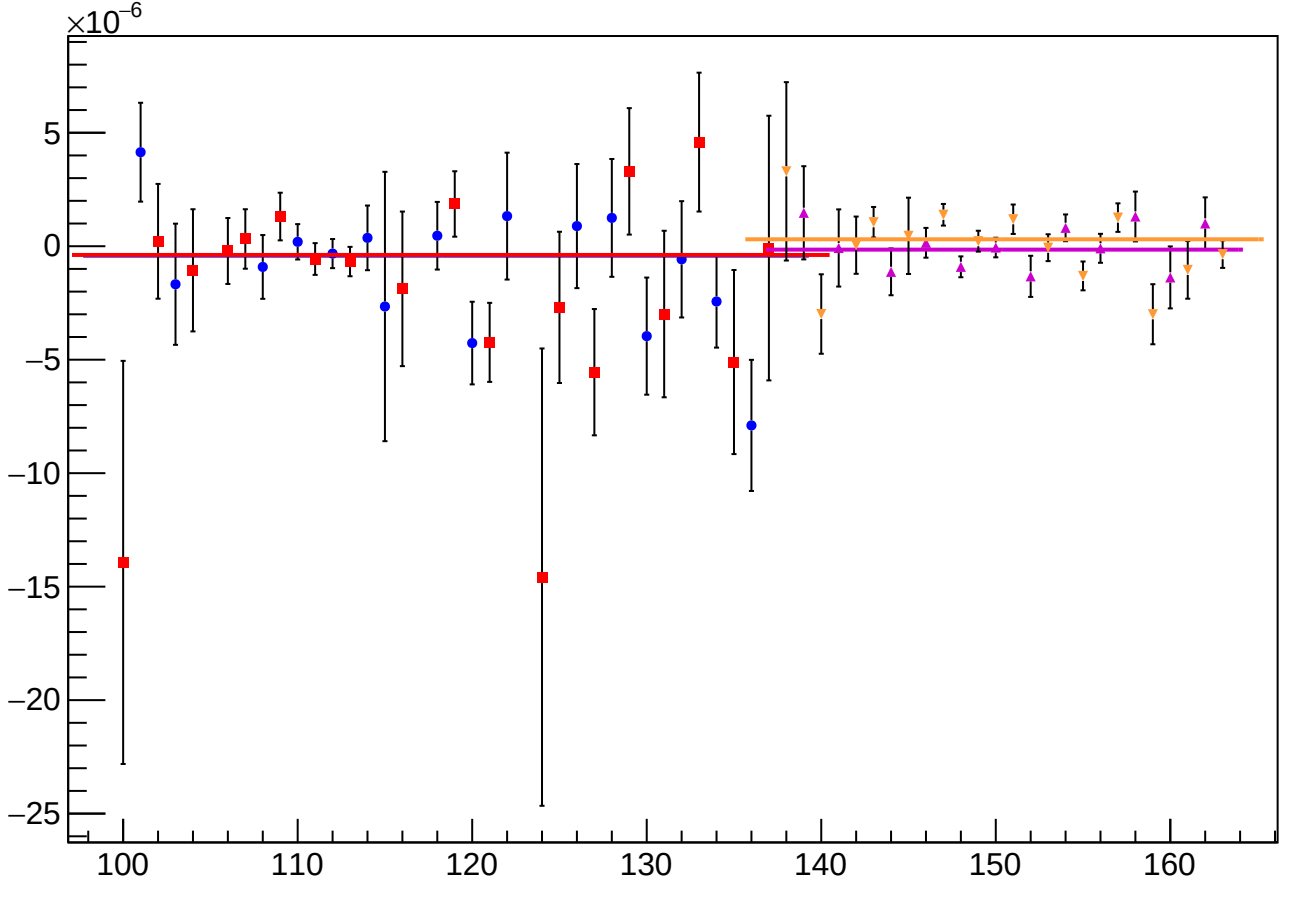
Left: 28.378+/-0.004 χ^2/NDF: 1137775.4/25

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.573+/-0.005 χ^2/NDF:930090.0/27

Out: 29.655+/-0.005 χ^2/NDF:1430292.5/32

All: 29.109+/-0.004 χ^2/NDF: 2383673.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/13

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

Left In: -0.000+/-0.000 χ^2/NDF:12.4/11

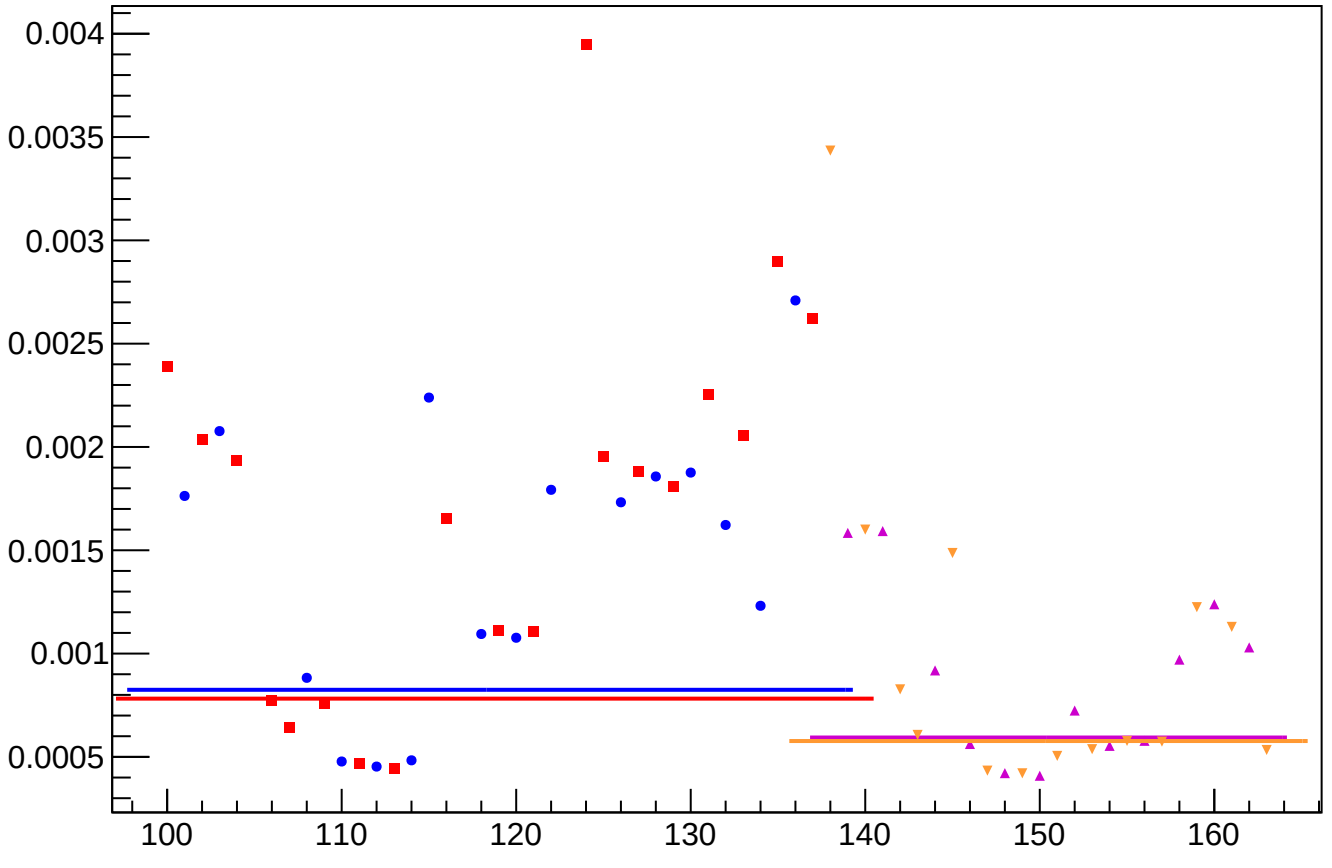
Left: 0.000+/-0.000 χ^2/NDF: 45.1/25

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:34.1/27

Out: 0.000+/-0.000 χ^2/NDF:58.4/32

All: -0.000+/-0.000 χ^2/NDF: 94.5/60



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3722118.8/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3028099.3/11

Left: 0.001+/-0.000 χ^2/NDF: 6757308.1/25

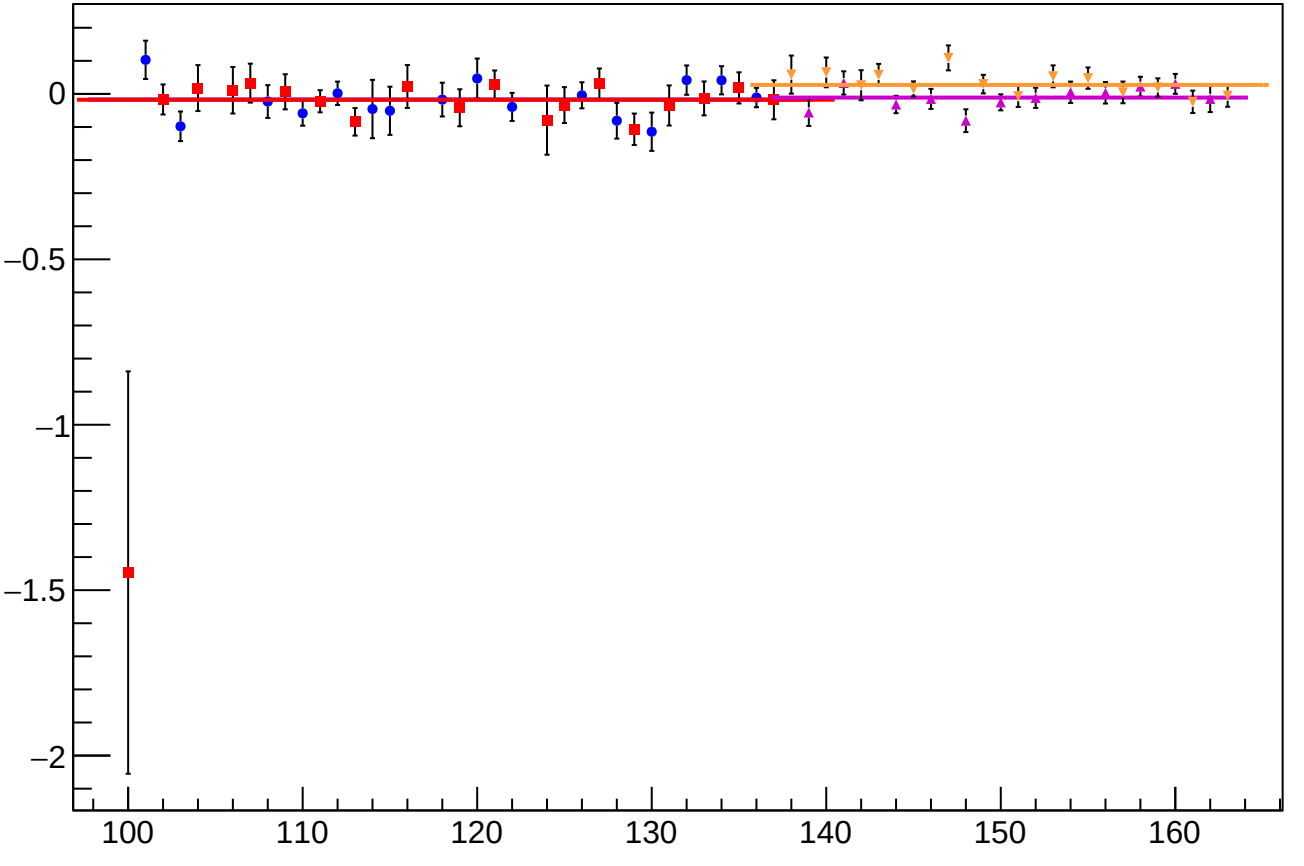
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:8064500.9/27

Out: 0.001+/-0.000 χ^2/NDF:8891133.1/32

All: 0.001+/-0.000 χ^2/NDF: 16976025.0/60

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/11

Left: 0.008+/-0.006 χ^2/NDF: 33.4/25

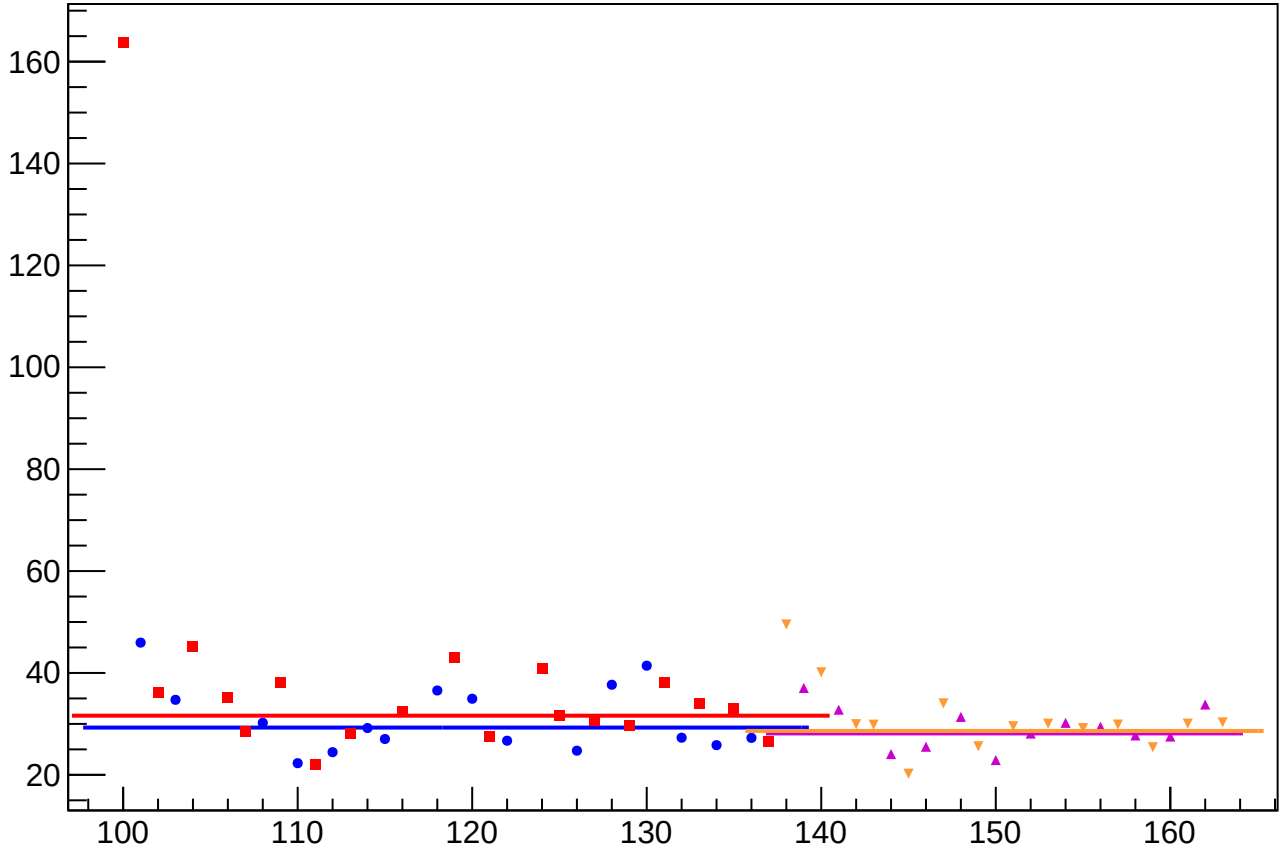
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/27

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.2/60

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.617+/-0.006 χ^2/NDF:777979.5/13

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.129+/-0.006 χ^2/NDF:356811.6/11

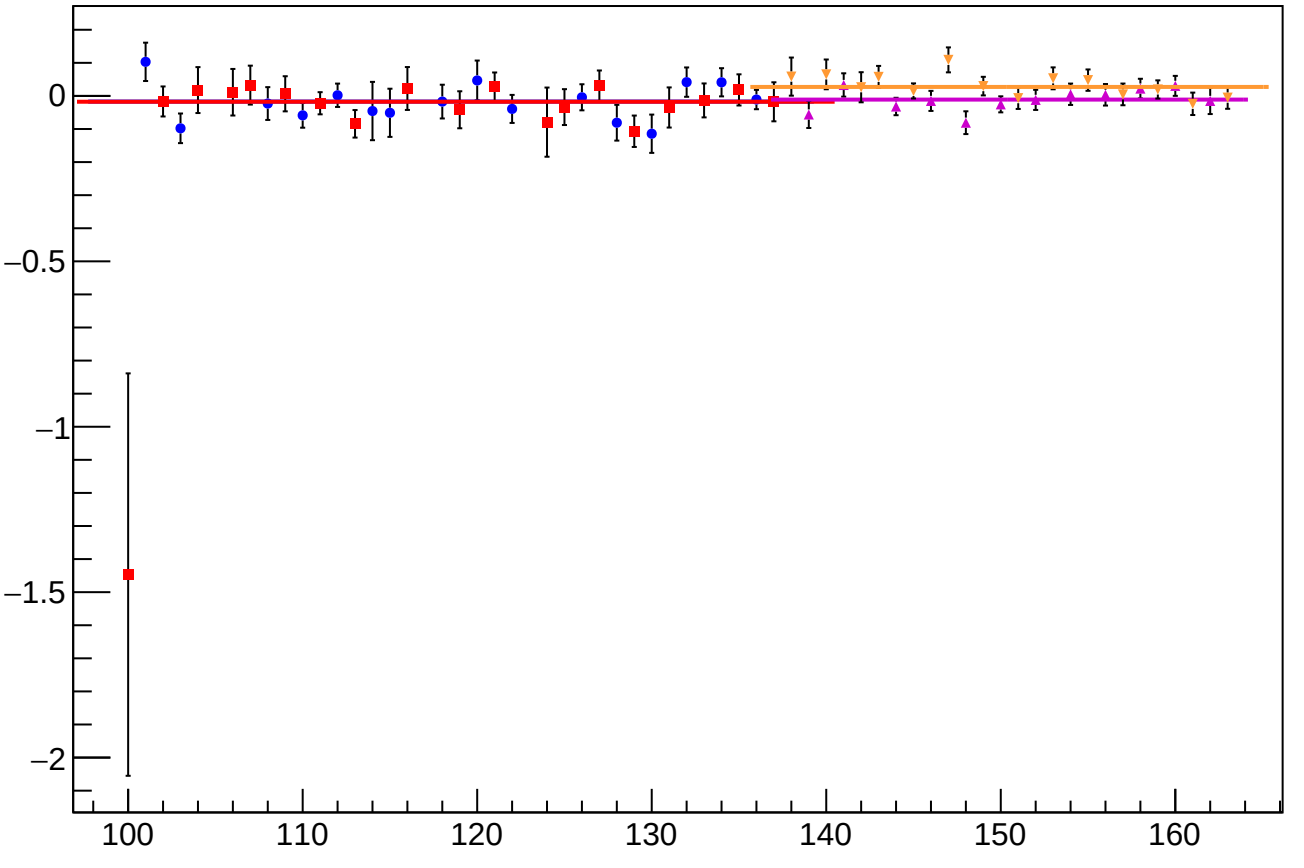
Left: 28.378+/-0.004 χ^2/NDF: 1137791.0/25

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.573+/-0.005 χ^2/NDF:930065.1/27

Out: 29.655+/-0.005 χ^2/NDF:1430356.7/32

All: 29.109+/-0.004 χ^2/NDF: 2383709.4/60



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.027+/-0.009 χ^2/NDF:12.7/13

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.009 χ^2/NDF:11.5/11

Left: 0.008+/-0.006 χ^2/NDF: 33.4/25

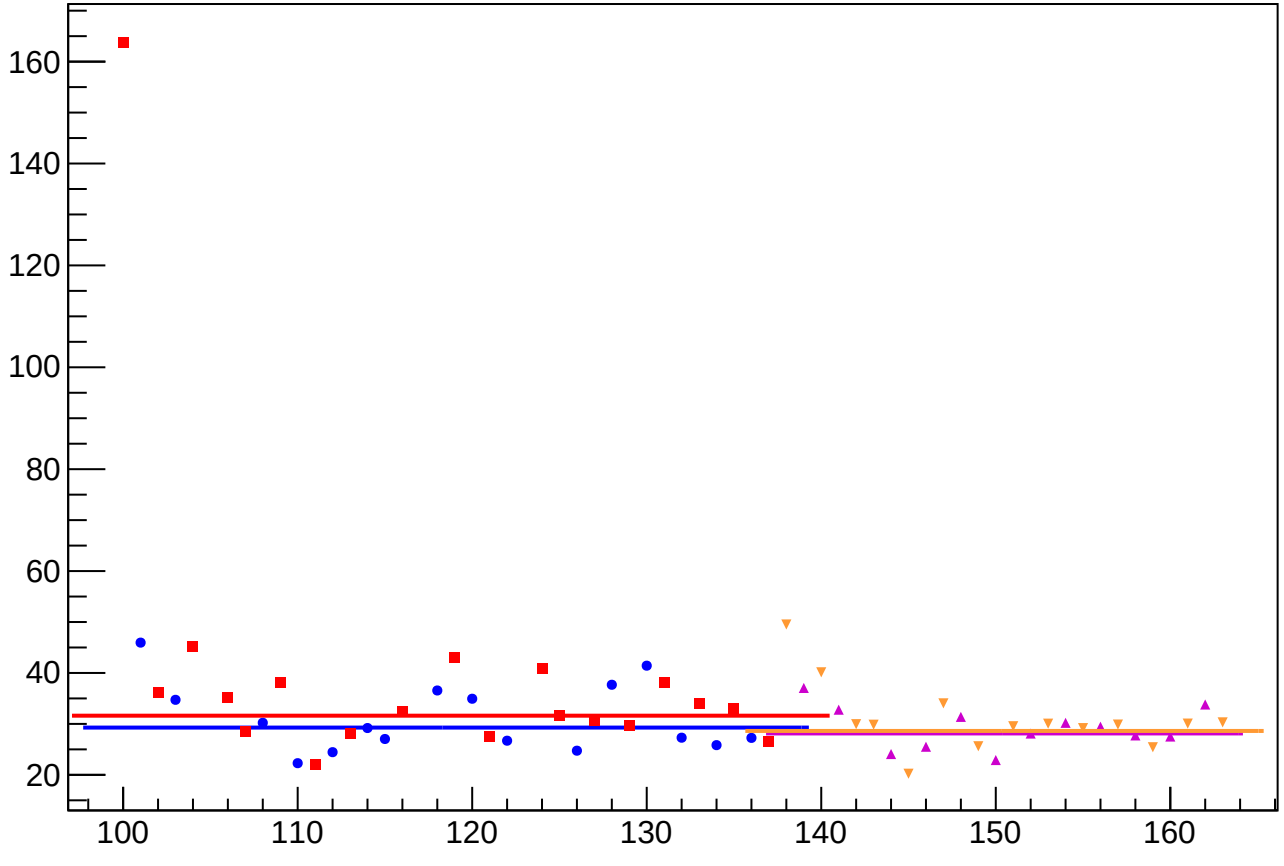
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.007 χ^2/NDF:30.5/27

Out: 0.012+/-0.007 χ^2/NDF:38.4/32

All: -0.001+/-0.005 χ^2/NDF: 75.2/60

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.617+/-0.006 χ^2/NDF:777979.5/13

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 28.129+/-0.006 χ^2/NDF:356811.6/11

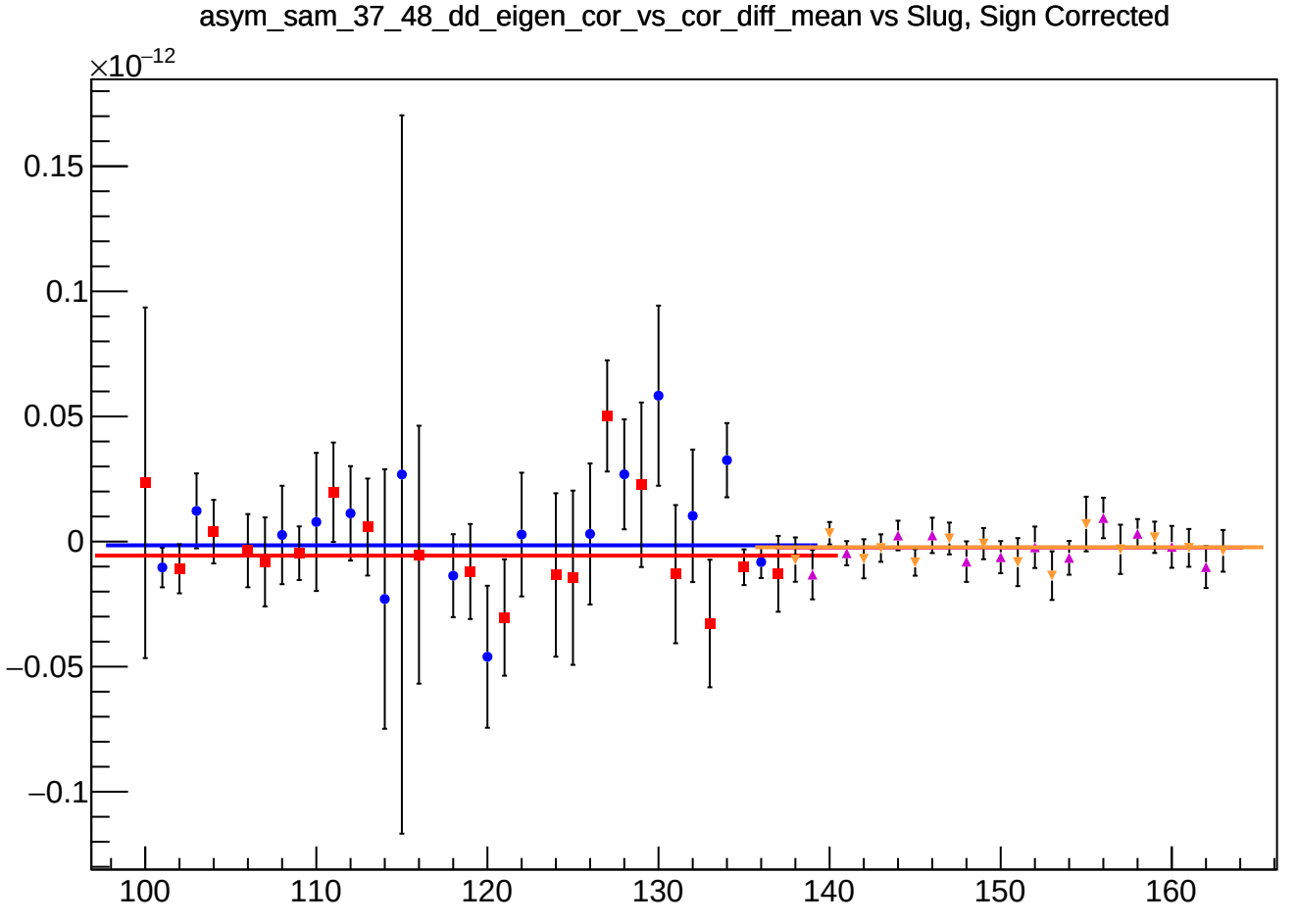
Left: 28.378+/-0.004 χ^2/NDF: 1137791.0/25

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.573+/-0.005 χ^2/NDF:930065.1/27

Out: 29.655+/-0.005 χ^2/NDF:1430356.7/32

All: 29.109+/-0.004 χ^2/NDF: 2383709.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/11

Left: -0.000+/-0.000 χ^2/NDF: 14.4/25

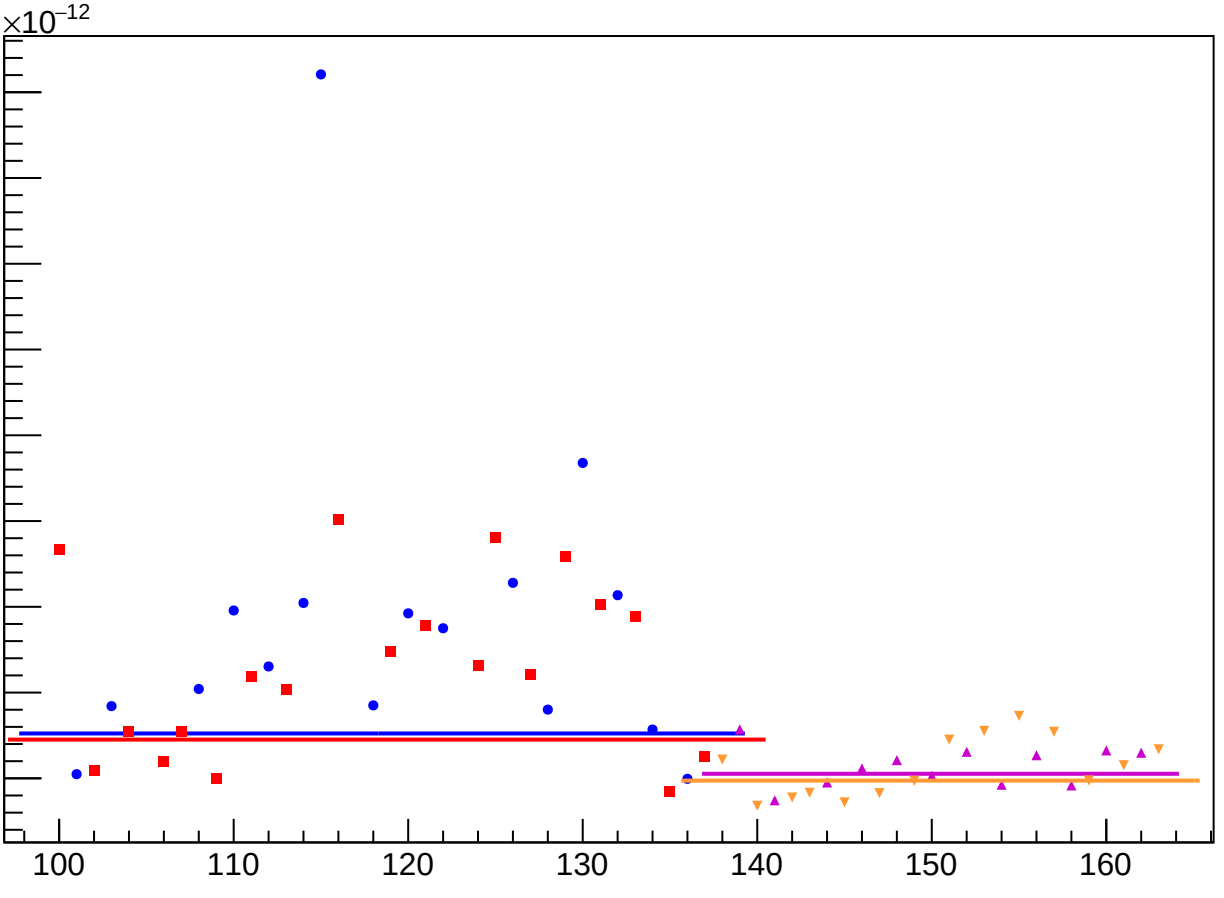
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:24.6/27

Out: -0.000+/-0.000 χ^2/NDF:20.8/32

All: -0.000+/-0.000 χ^2/NDF: 45.5/60

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1288066.7/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:604933.6/11

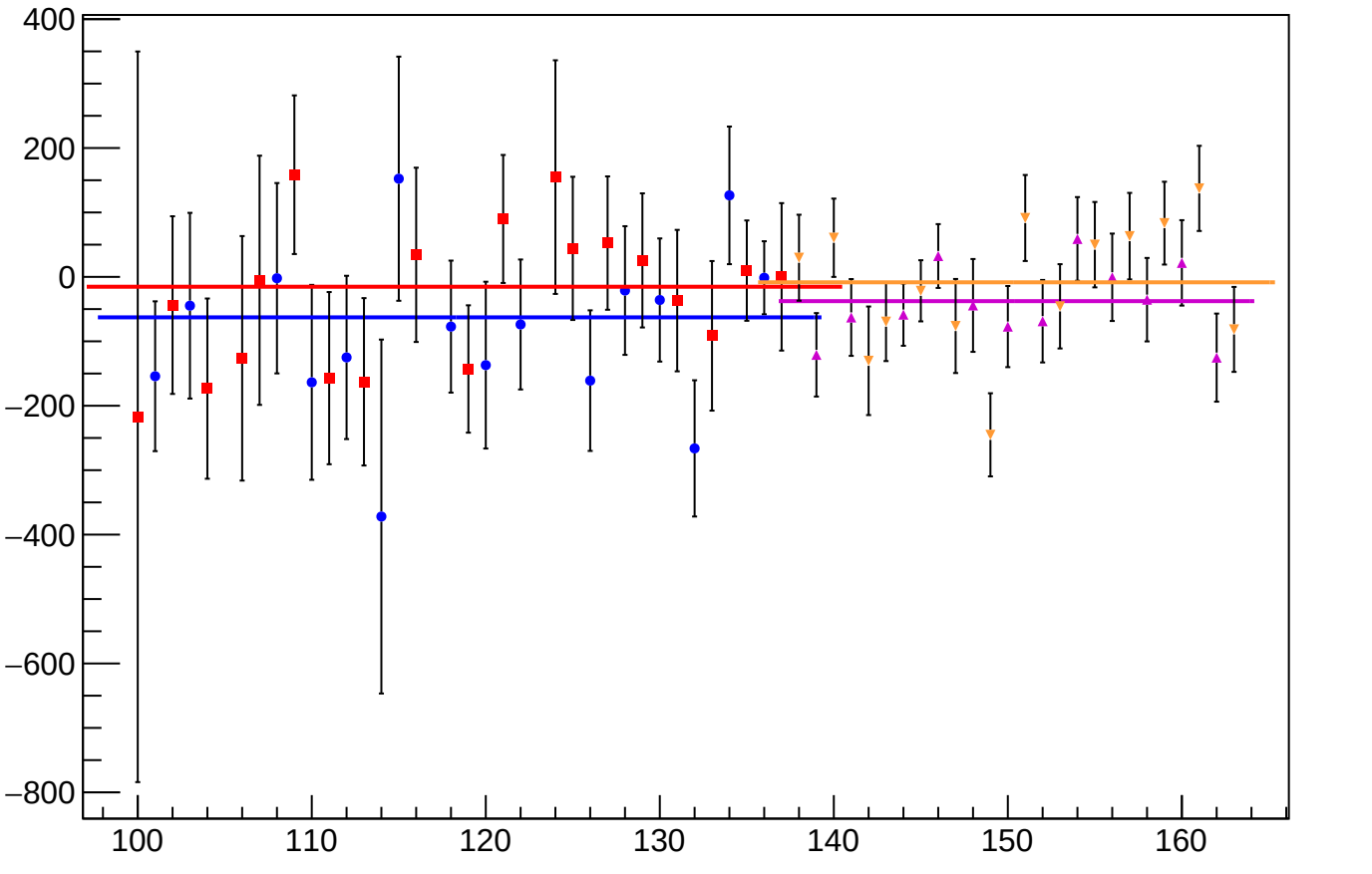
Left: 0.000+/-0.000 χ^2/NDF: 1936117.0/25

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3219640.7/27

Out: 0.000+/-0.000 χ^2/NDF:3971462.2/32

All: 0.000+/-0.000 χ^2/NDF: 7251129.8/60



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.416+/-17.189 χ^2/NDF:31.7/13

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -37.649+/-17.736 χ^2/NDF:9.6/11

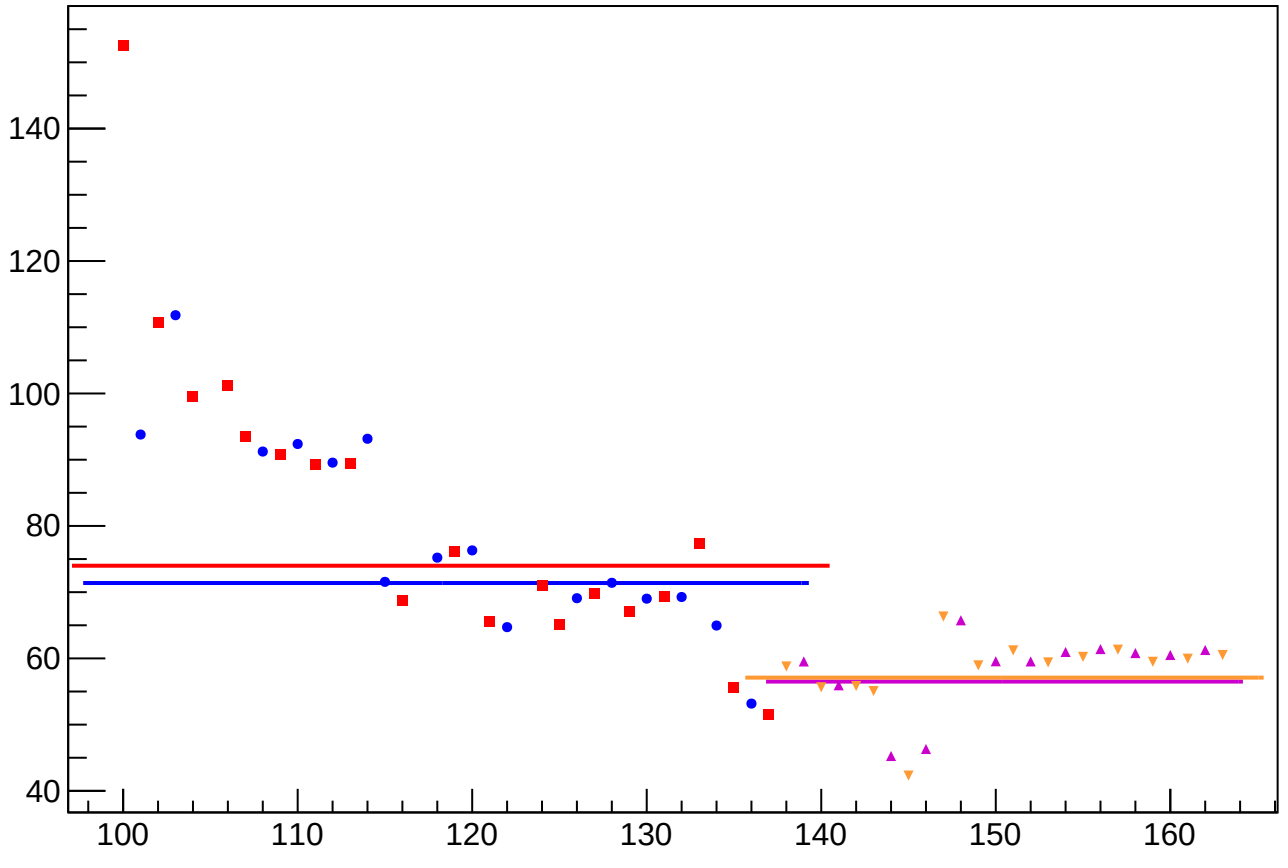
Left: -22.575+/-12.343 χ^2/NDF: 42.7/25

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -45.147+/-14.859 χ^2/NDF:23.7/27

Out: -10.320+/-14.616 χ^2/NDF:43.2/32

All: -27.446+/-10.420 χ^2/NDF: 69.7/60



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 56.501+/-0.013 χ^2/NDF:285222.7/11

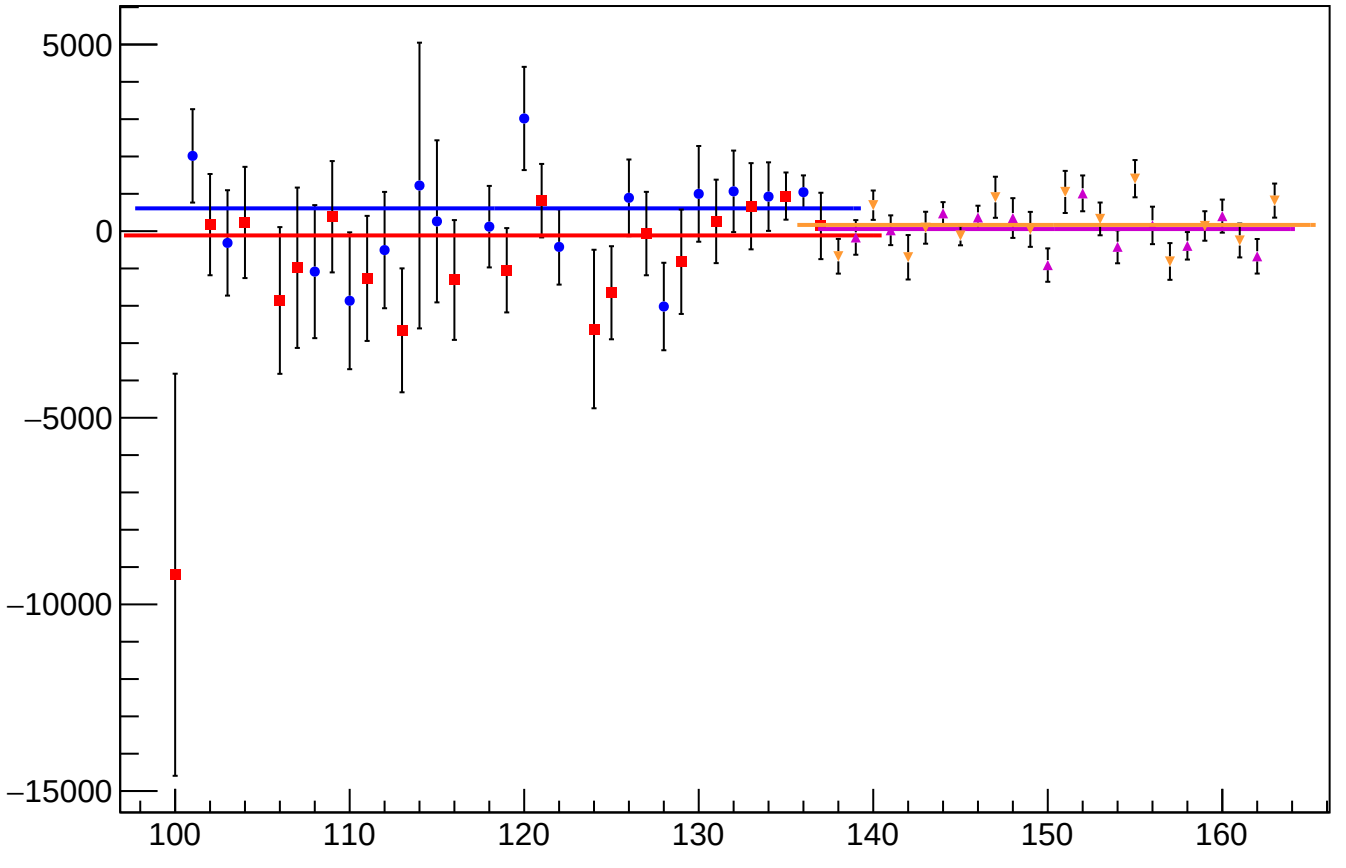
Left: 56.809+/-0.009 χ^2/NDF: 553746.2/25

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.938+/-0.011 χ^2/NDF:1295977.8/27

Out: 61.778+/-0.010 χ^2/NDF:1441054.8/32

All: 61.365+/-0.007 χ^2/NDF: 2740287.1/60



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 166.540+/-116.127 χ^2/NDF:25.8/13

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 55.766+/-118.494 χ^2/NDF:17.9/11

Left: 112.270+/-82.938 χ^2/NDF: 44.2/25

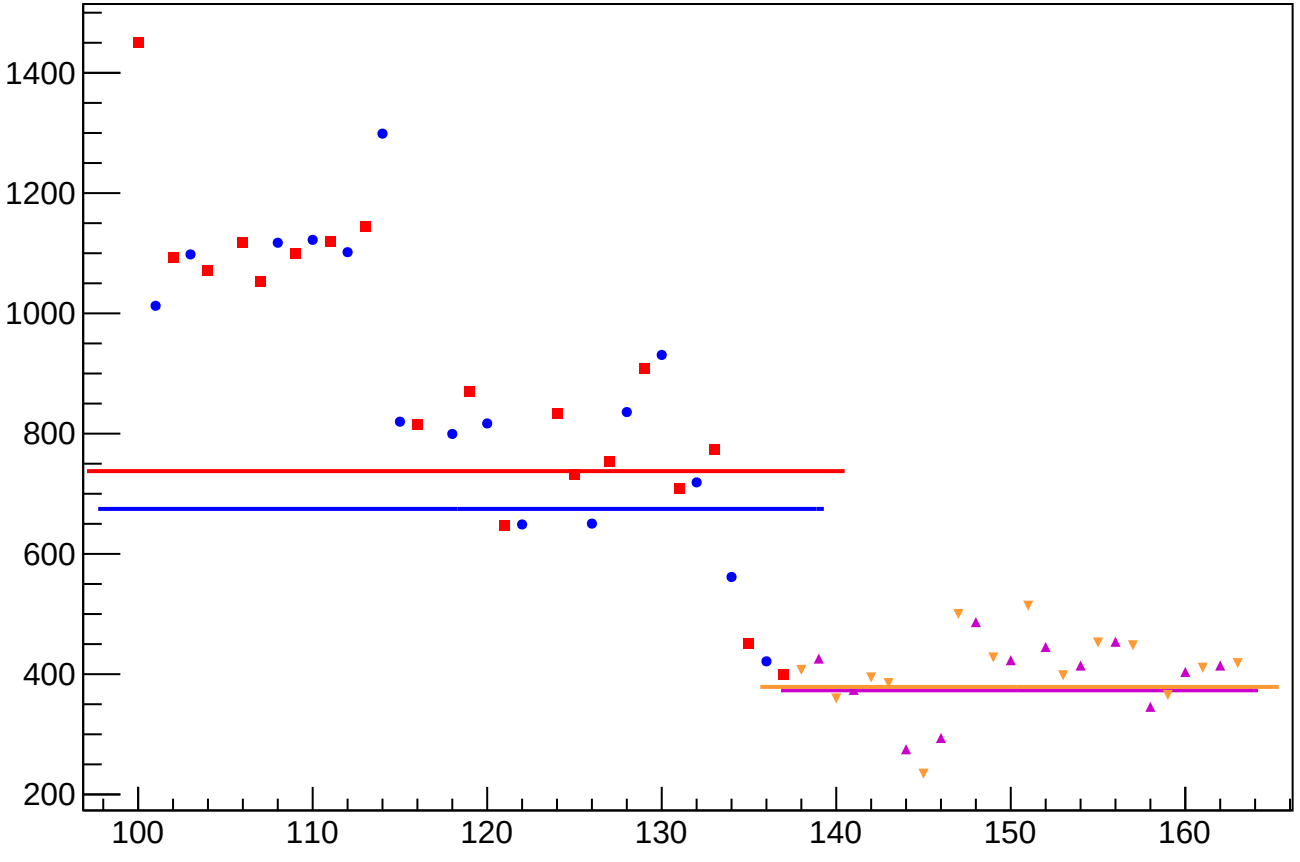
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 147.169+/-108.294 χ^2/NDF:37.2/27

Out: 126.338+/-107.505 χ^2/NDF:42.2/32

All: 136.677+/-76.295 χ^2/NDF: 79.5/60

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 378.797+/-0.082 χ^2/NDF:960929.6/13

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 373.140+/-0.084 χ^2/NDF:633287.1/11

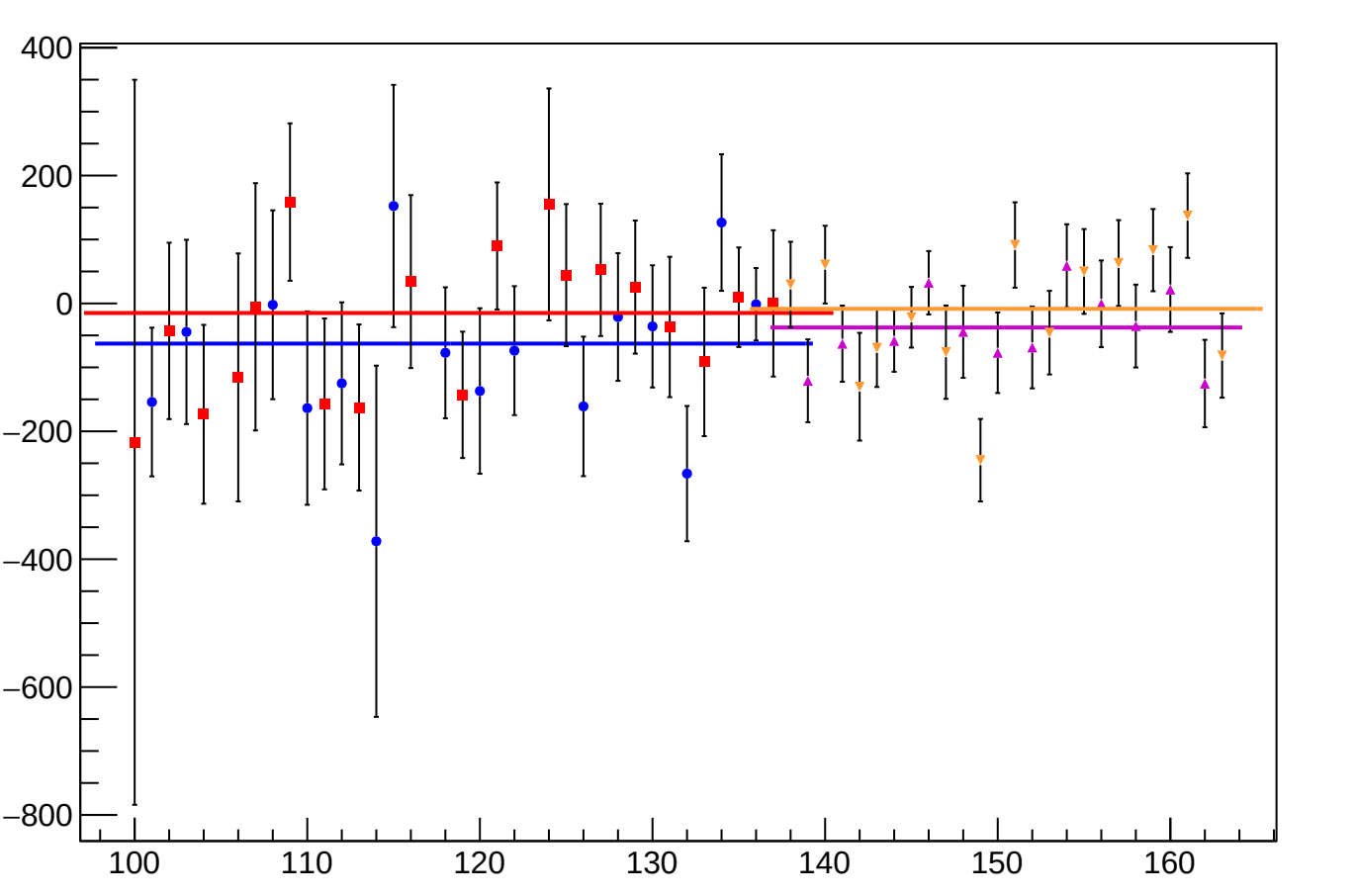
Left: 376.025+/-0.059 χ^2/NDF: 1596542.0/25

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 422.844+/-0.077 χ^2/NDF:4386832.5/27

Out: 430.109+/-0.076 χ^2/NDF:5208690.0/32

All: 426.503+/-0.054 χ^2/NDF: 9600055.9/60



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -37.649+/-17.736 χ^2/NDF:9.6/11

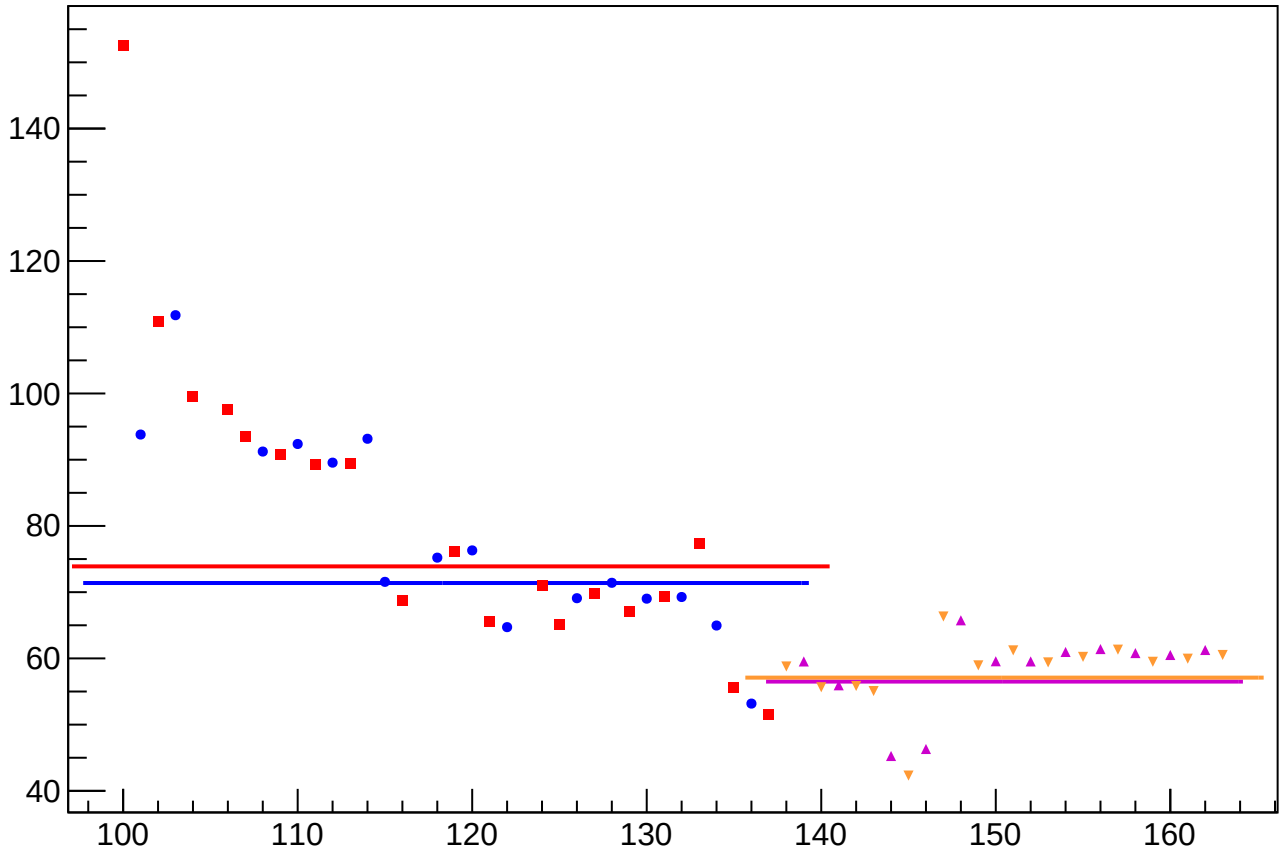
Left: -22.576+/-12.343 χ^2/NDF: 42.7/25

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -45.144+/-14.859 χ^2/NDF:23.7/27

Out: -10.221+/-14.618 χ^2/NDF:43.2/32

All: -27.397+/-10.420 χ^2/NDF: 69.7/60



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.501+/-0.013 χ^2/NDF:285222.7/11

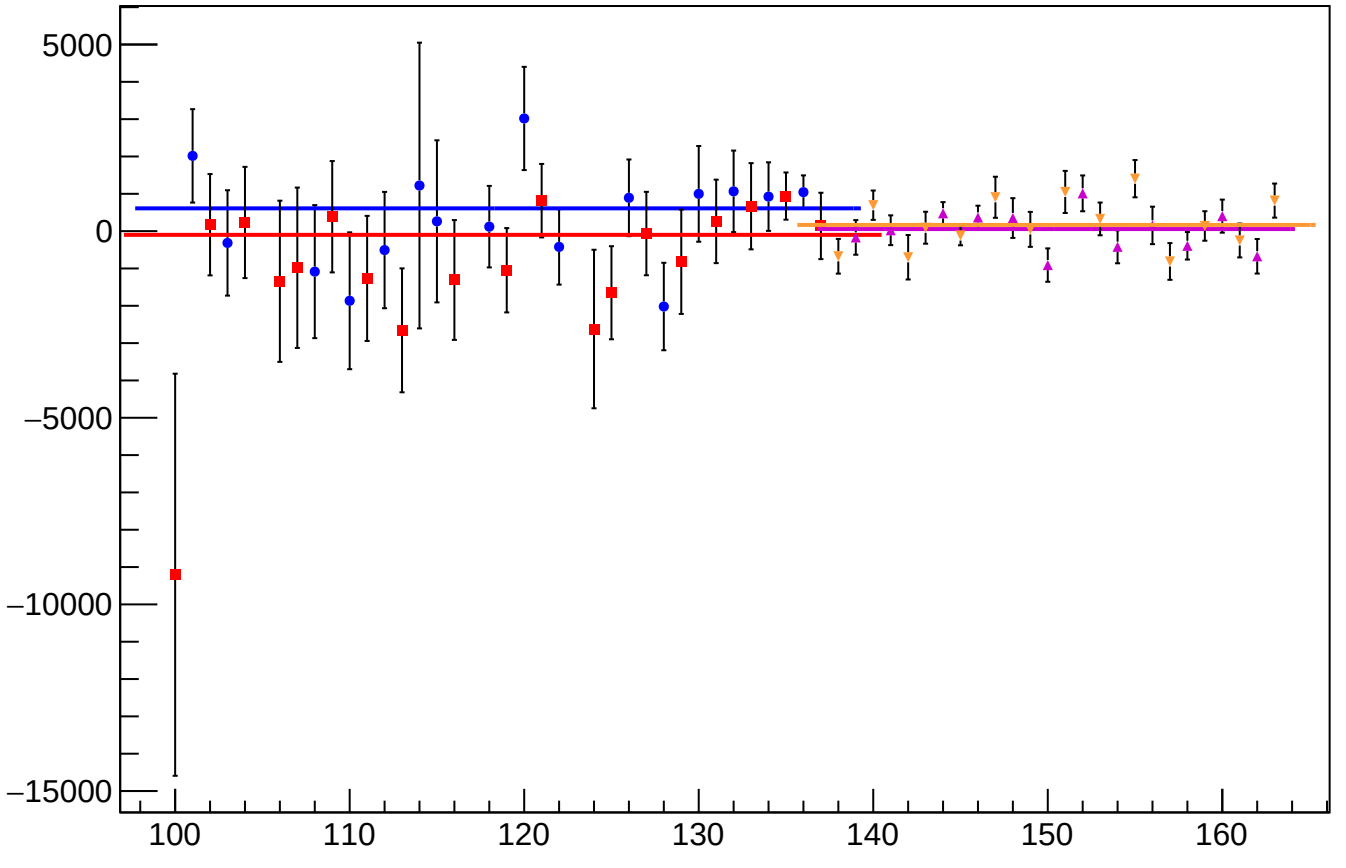
Left: 56.809+/-0.009 χ^2/NDF: 553746.2/25

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.938+/-0.011 χ^2/NDF:1295980.4/27

Out: 61.747+/-0.010 χ^2/NDF:1422957.7/32

All: 61.349+/-0.007 χ^2/NDF: 2721957.9/60



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 166.537+/-116.127 χ^2/NDF:25.8/13

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 55.763+/-118.494 χ^2/NDF:17.9/11

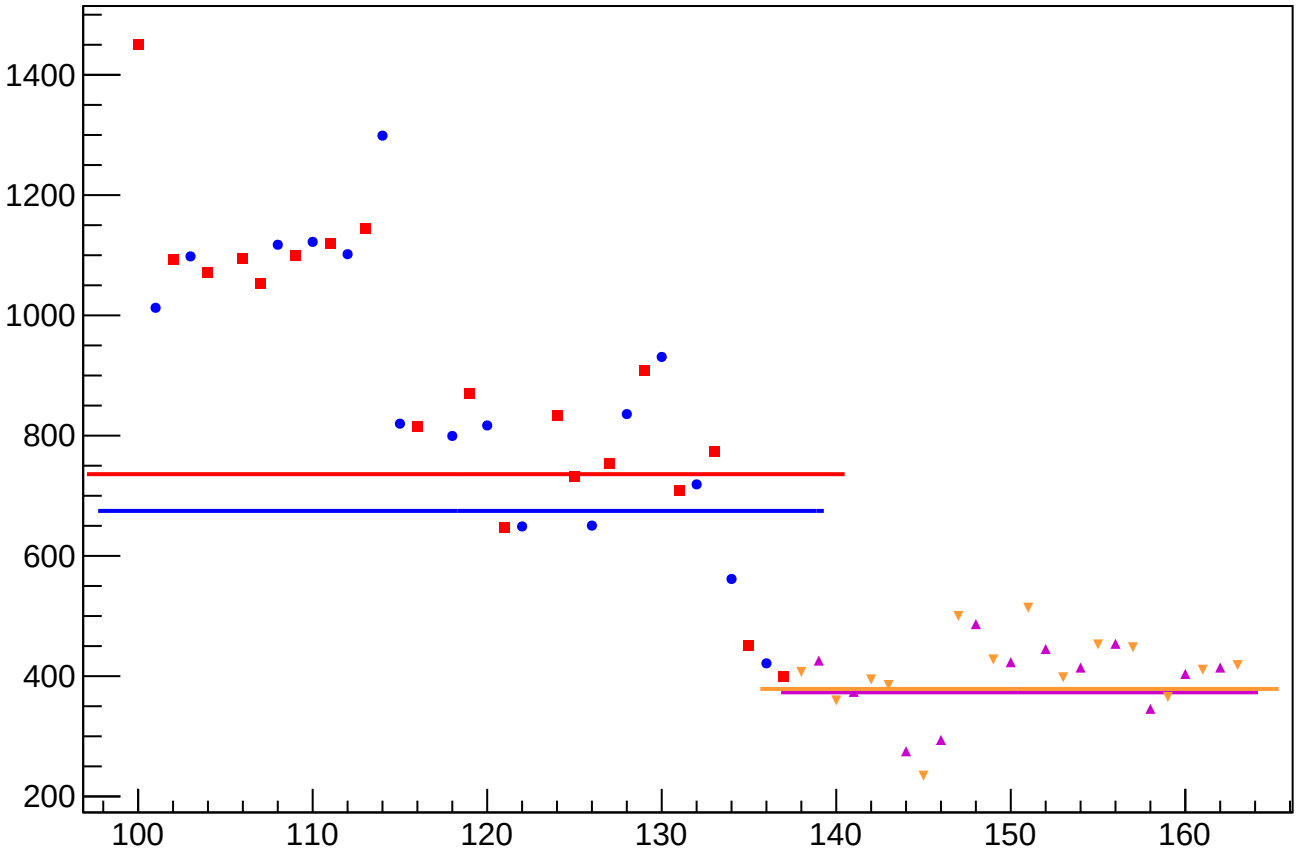
Left: 112.267+/-82.938 χ^2/NDF: 44.2/25

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 147.165+/-108.294 χ^2/NDF:37.2/27

Out: 128.610+/-107.533 χ^2/NDF:41.7/32

All: 137.822+/-76.305 χ^2/NDF: 78.9/60



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 373.140+/-0.084 χ^2/NDF:633288.3/11

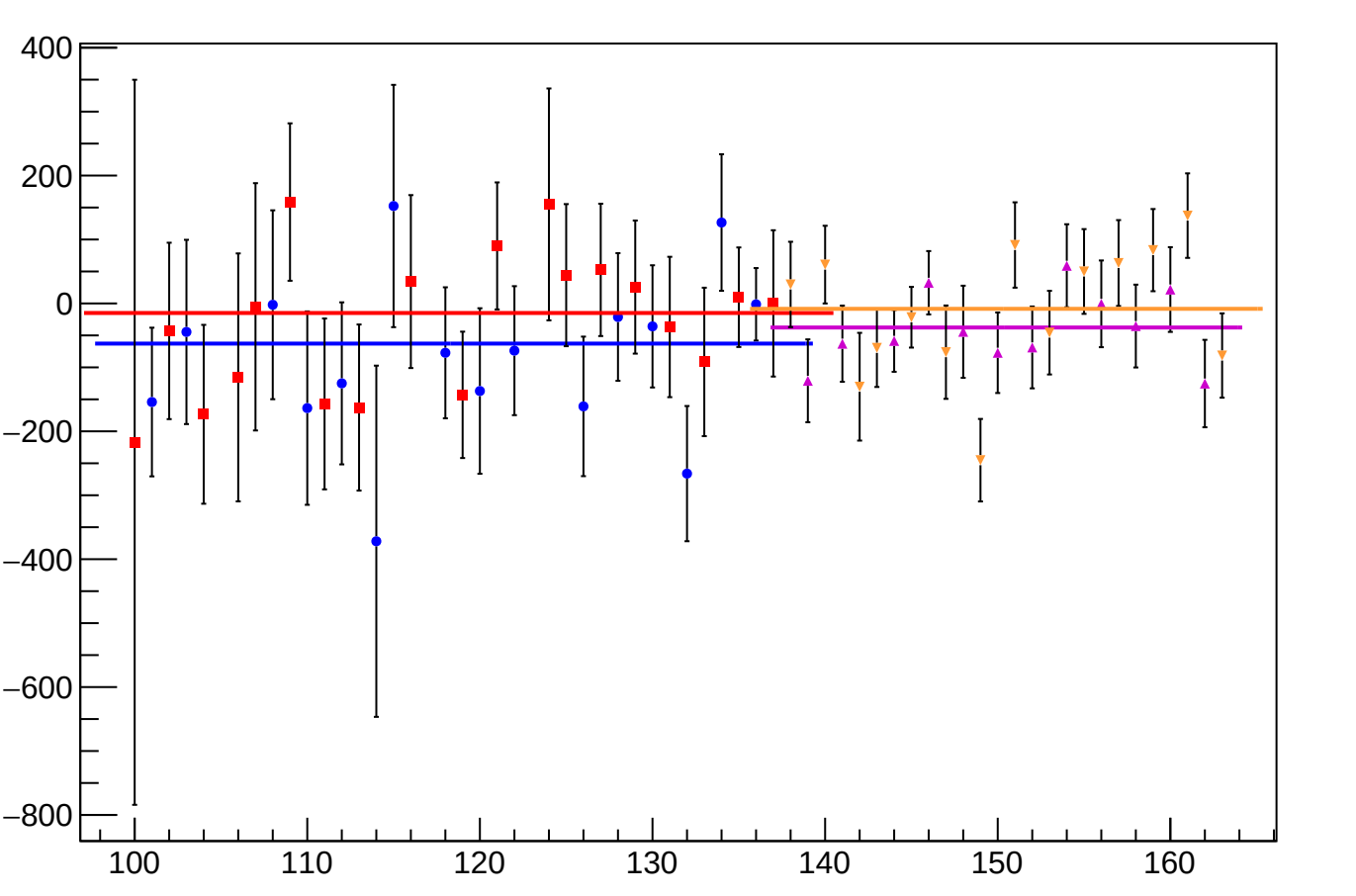
Left: 376.025+/-0.059 χ^2/NDF: 1596550.0/25

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 422.844+/-0.077 χ^2/NDF:4386856.5/27

Out: 429.698+/-0.076 χ^2/NDF:5153841.1/32

All: 426.295+/-0.054 χ^2/NDF: 9544731.9/60



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -8.418+/-17.189 χ^2/NDF:31.7/13

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -37.649+/-17.736 χ^2/NDF:9.6/11

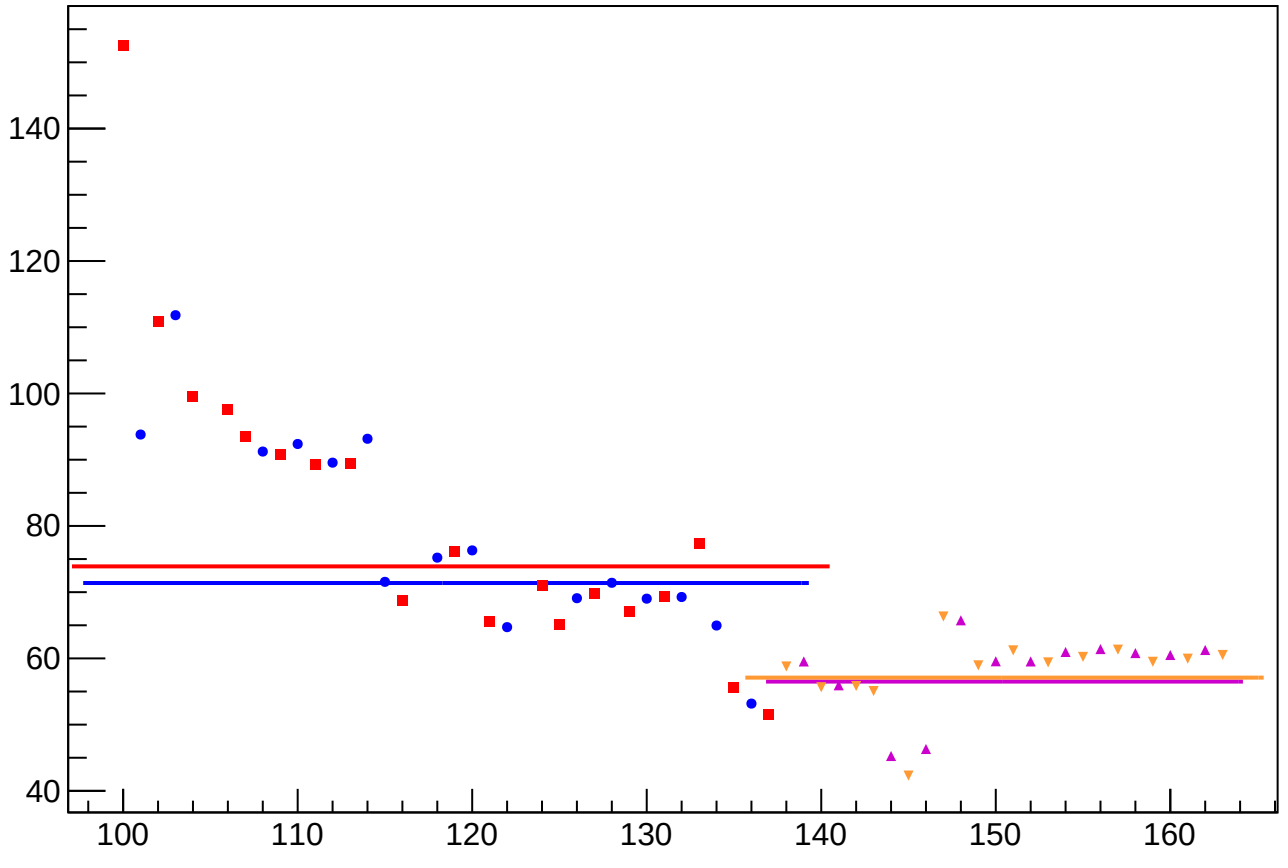
Left: -22.576+/-12.343 χ^2/NDF: 42.7/25

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -45.144+/-14.859 χ^2/NDF:23.7/27

Out: -10.221+/-14.618 χ^2/NDF:43.2/32

All: -27.397+/-10.420 χ^2/NDF: 69.7/60



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 57.098+/-0.012 χ^2/NDF:267353.5/13

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 56.501+/-0.013 χ^2/NDF:285222.7/11

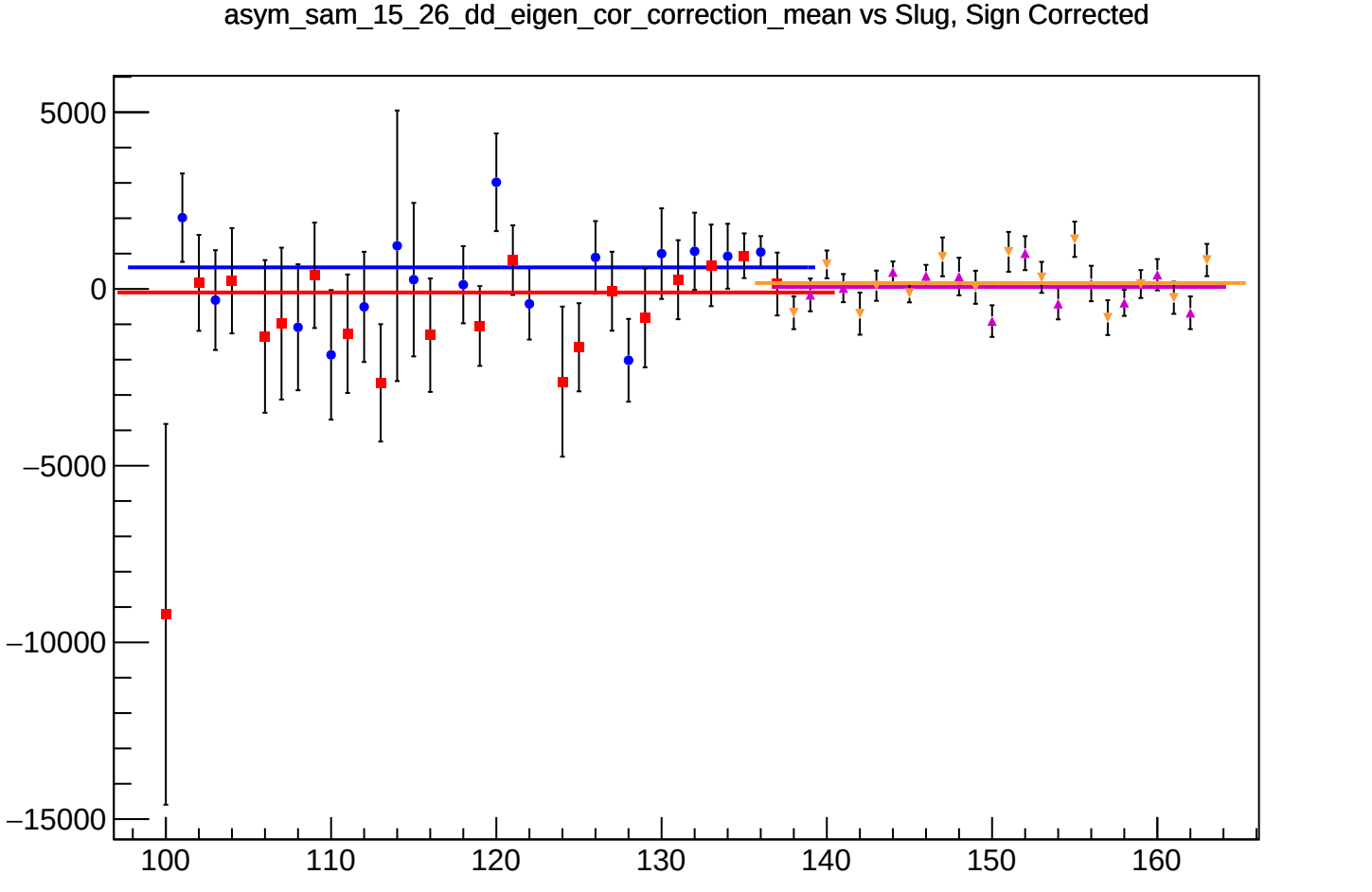
Left: 56.809+/-0.009 χ^2/NDF: 553746.2/25

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.938+/-0.011 χ^2/NDF:1295980.4/27

Out: 61.747+/-0.010 χ^2/NDF:1422957.7/32

All: 61.349+/-0.007 χ^2/NDF: 2721957.9/60



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 166.537+/-116.127 χ^2/NDF:25.8/13

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 55.763+/-118.494 χ^2/NDF:17.9/11

Left: 112.267+/-82.938 χ^2/NDF: 44.2/25

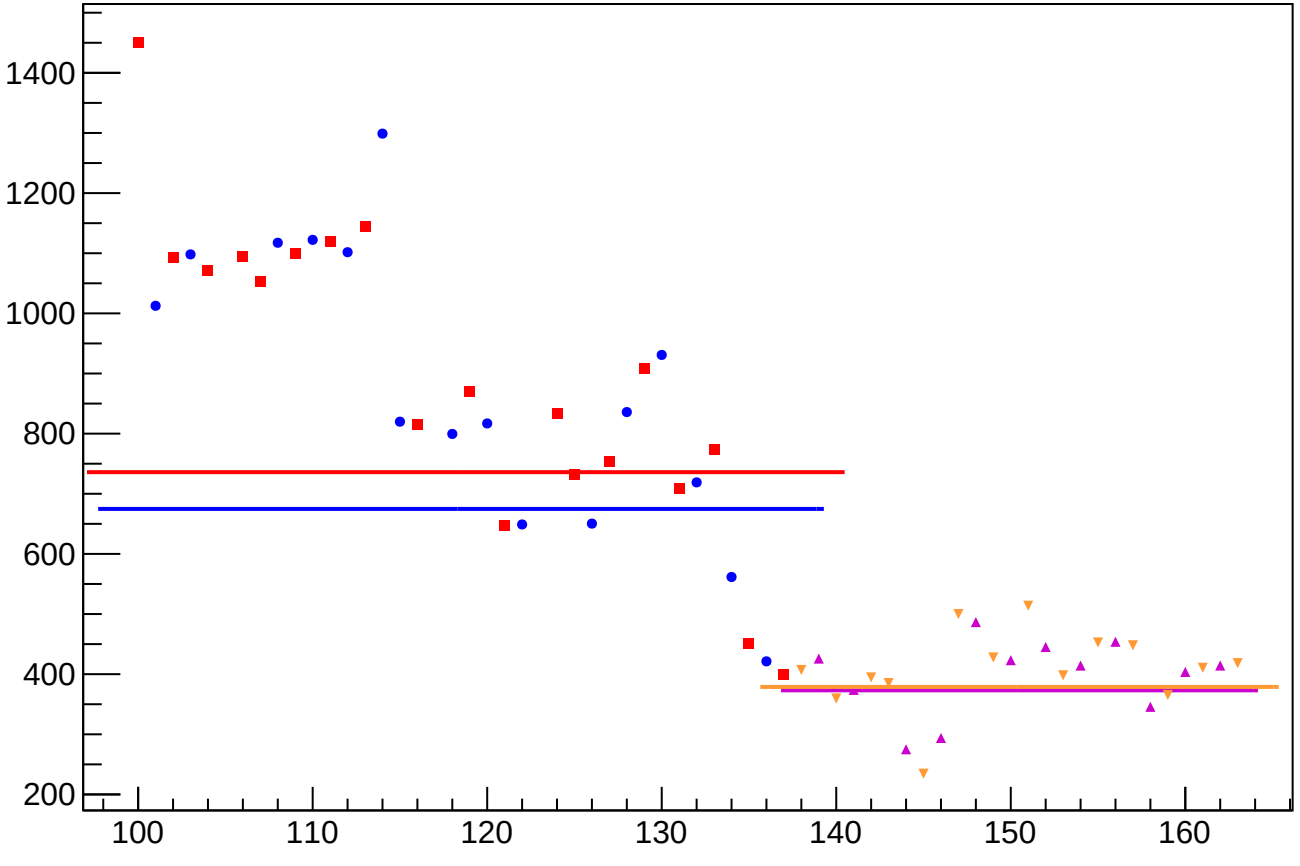
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 147.165+/-108.294 χ^2/NDF:37.2/27

Out: 128.610+/-107.533 χ^2/NDF:41.7/32

All: 137.822+/-76.305 χ^2/NDF: 78.9/60

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: 378.797+/-0.082 χ^2/NDF:960936.7/13

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 373.140+/-0.084 χ^2/NDF:633288.3/11

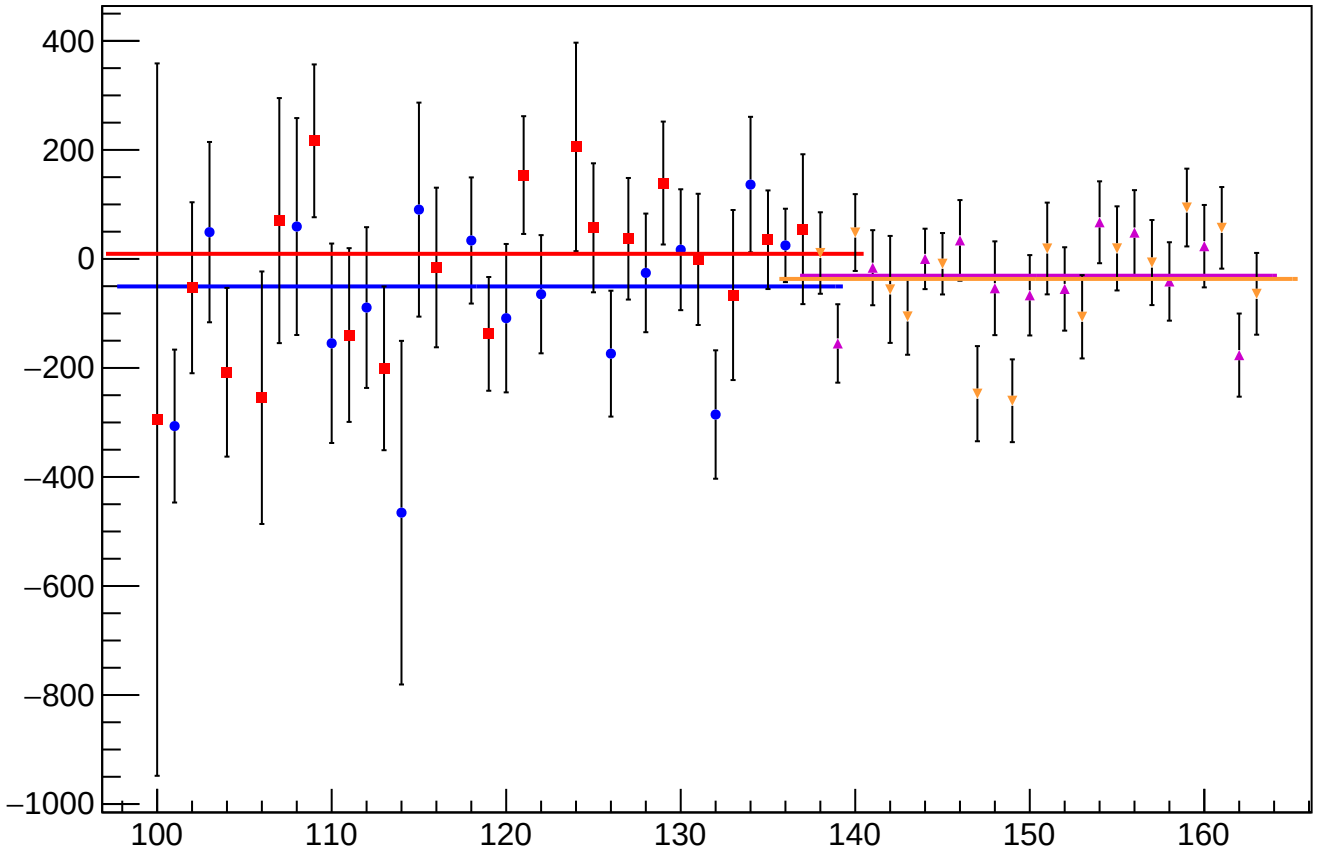
Left: 376.025+/-0.059 χ^2/NDF: 1596550.0/25

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 422.844+/-0.077 χ^2/NDF:4386856.5/27

Out: 429.698+/-0.076 χ^2/NDF:5153841.1/32

All: 426.295+/-0.054 χ^2/NDF: 9544731.9/60



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -30.811+/-20.921 χ^2/NDF:11.4/11

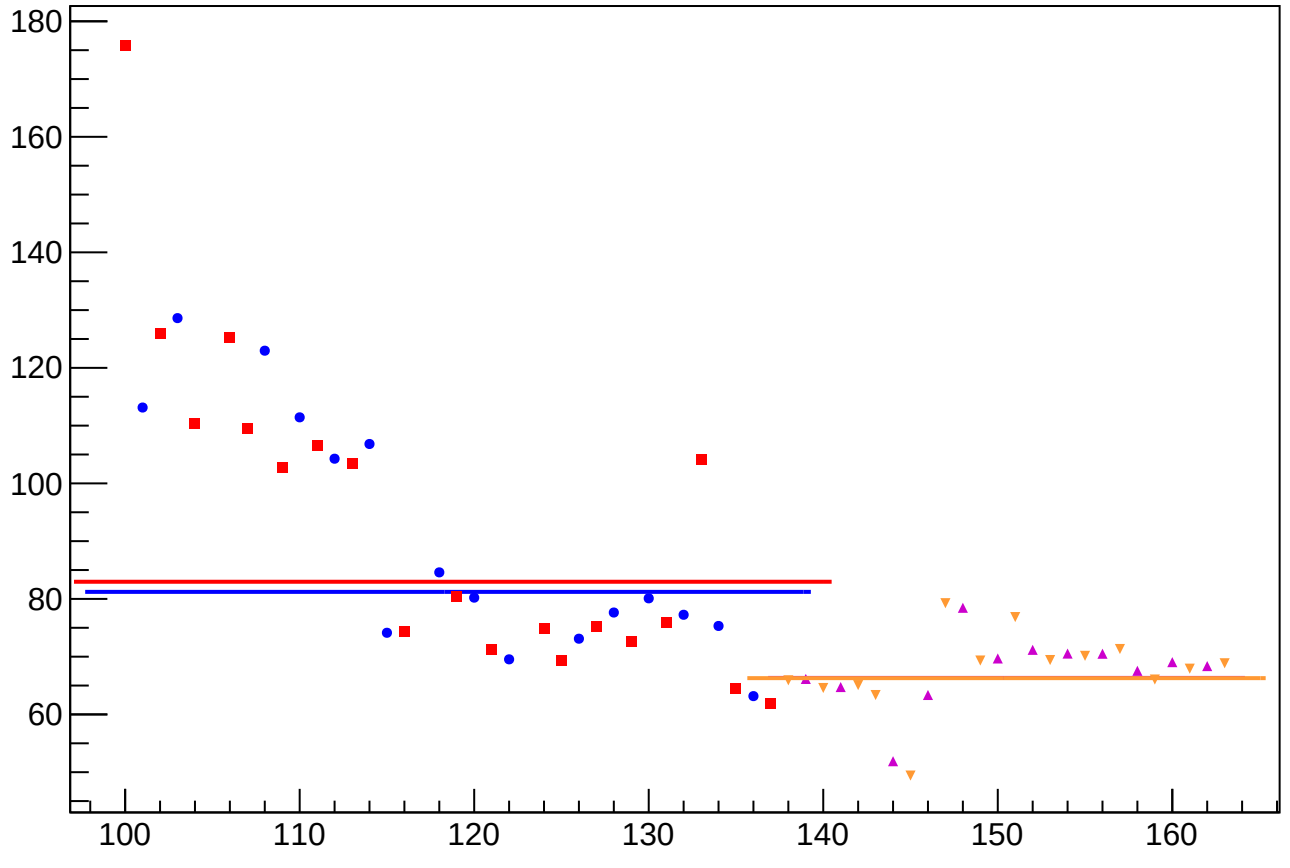
Left: -33.873+/-14.452 χ^2/NDF: 36.1/25

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -36.945+/-17.352 χ^2/NDF:28.1/27

Out: -23.291+/-16.835 χ^2/NDF:41.7/32

All: -29.911+/-12.083 χ^2/NDF: 70.2/60



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 66.282+/-0.014 χ^2/NDF:283169.3/13

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 66.322+/-0.015 χ^2/NDF:208466.0/11

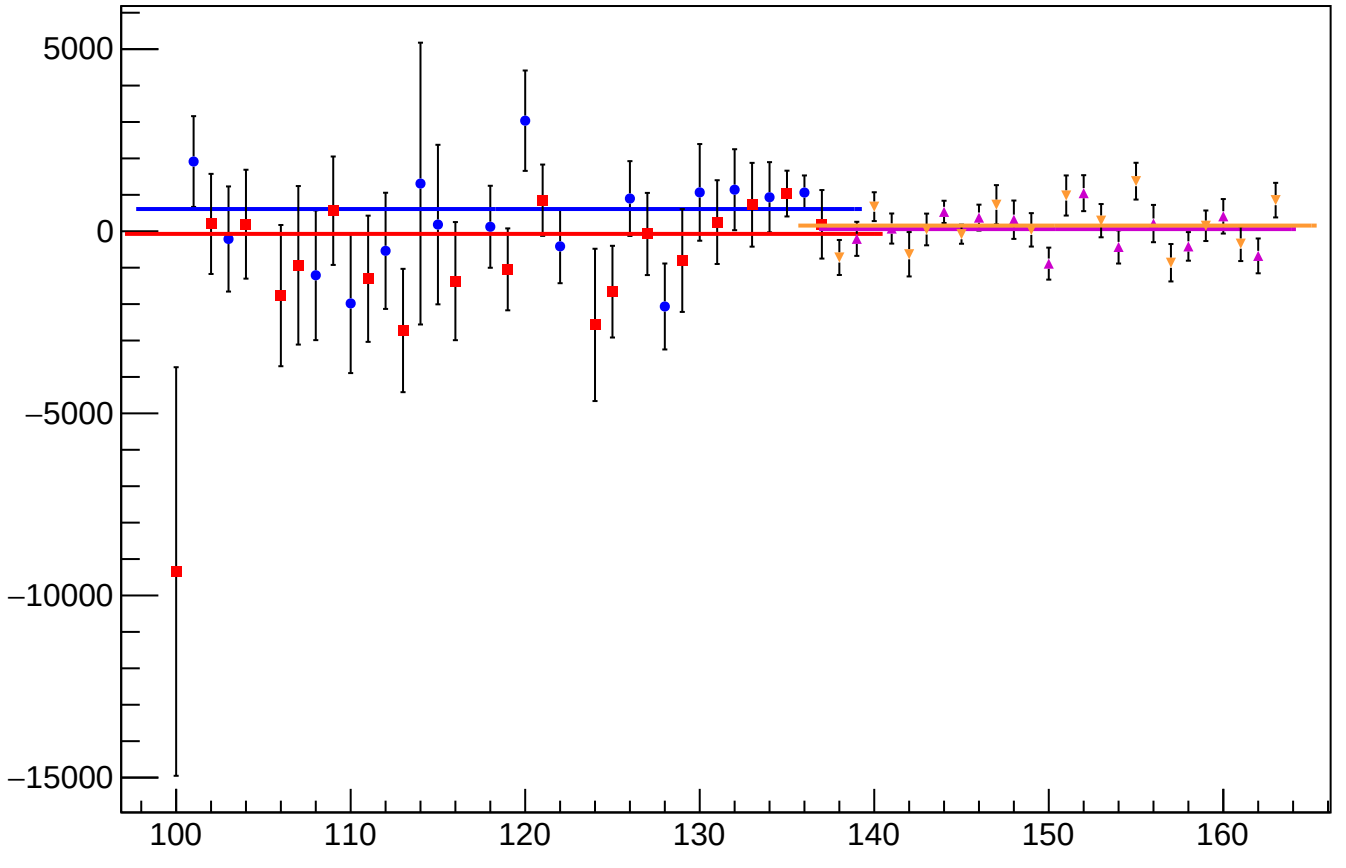
Left: 66.301+/-0.010 χ^2/NDF: 491639.0/25

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 70.971+/-0.012 χ^2/NDF:1187774.1/27

Out: 71.130+/-0.012 χ^2/NDF:1418640.3/32

All: 71.053+/-0.009 χ^2/NDF: 2606501.6/60



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 155.921+/-118.087 χ^2/NDF:24.1/13

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 59.287+/-123.180 χ^2/NDF:18.0/11

Left: 109.643+/-85.244 χ^2/NDF: 42.5/25

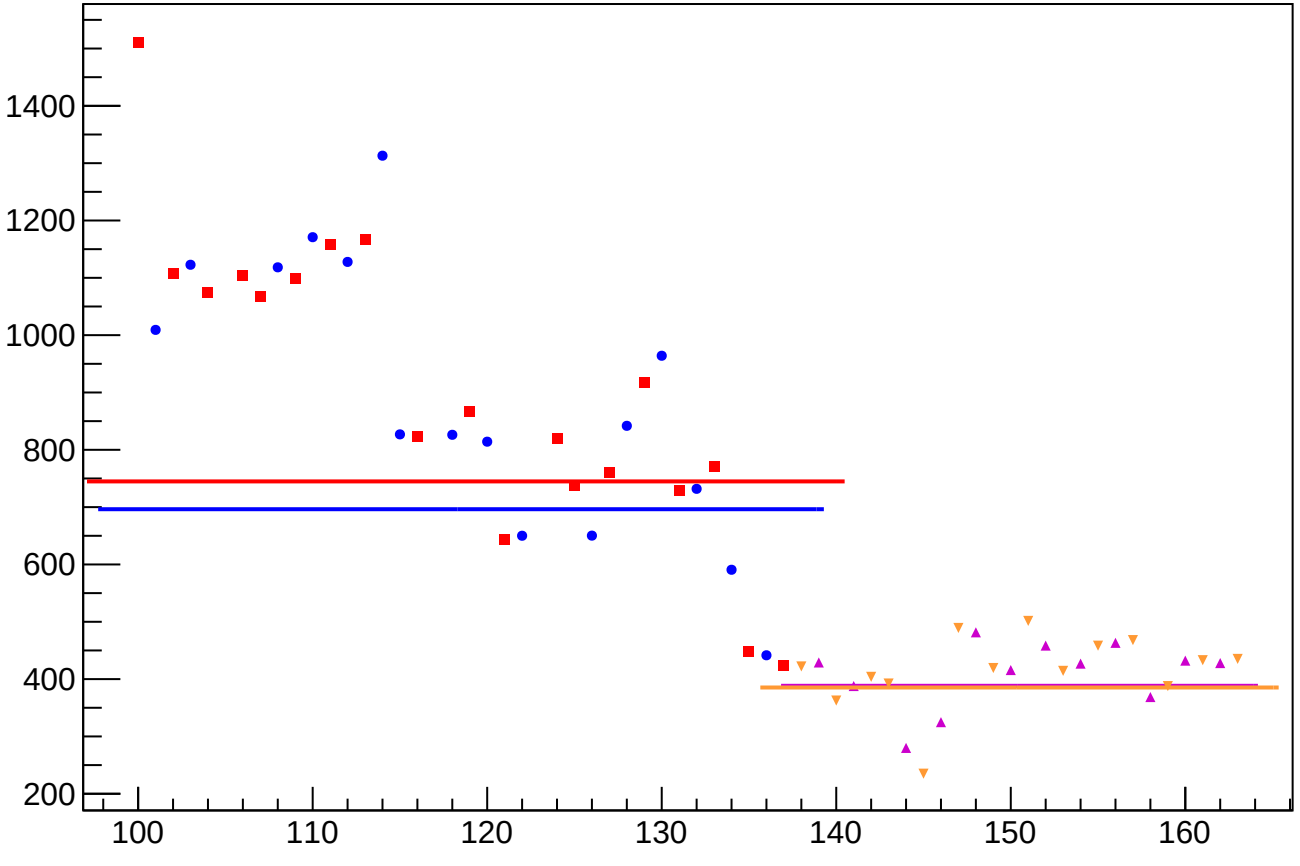
Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 151.951+/-112.348 χ^2/NDF:37.2/27

Out: 122.843+/-109.195 χ^2/NDF:40.8/32

All: 136.983+/-78.303 χ^2/NDF: 78.1/60

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 385.368+/-0.083 χ^2/NDF:995821.2/13

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 388.332+/-0.087 χ^2/NDF:535030.0/11

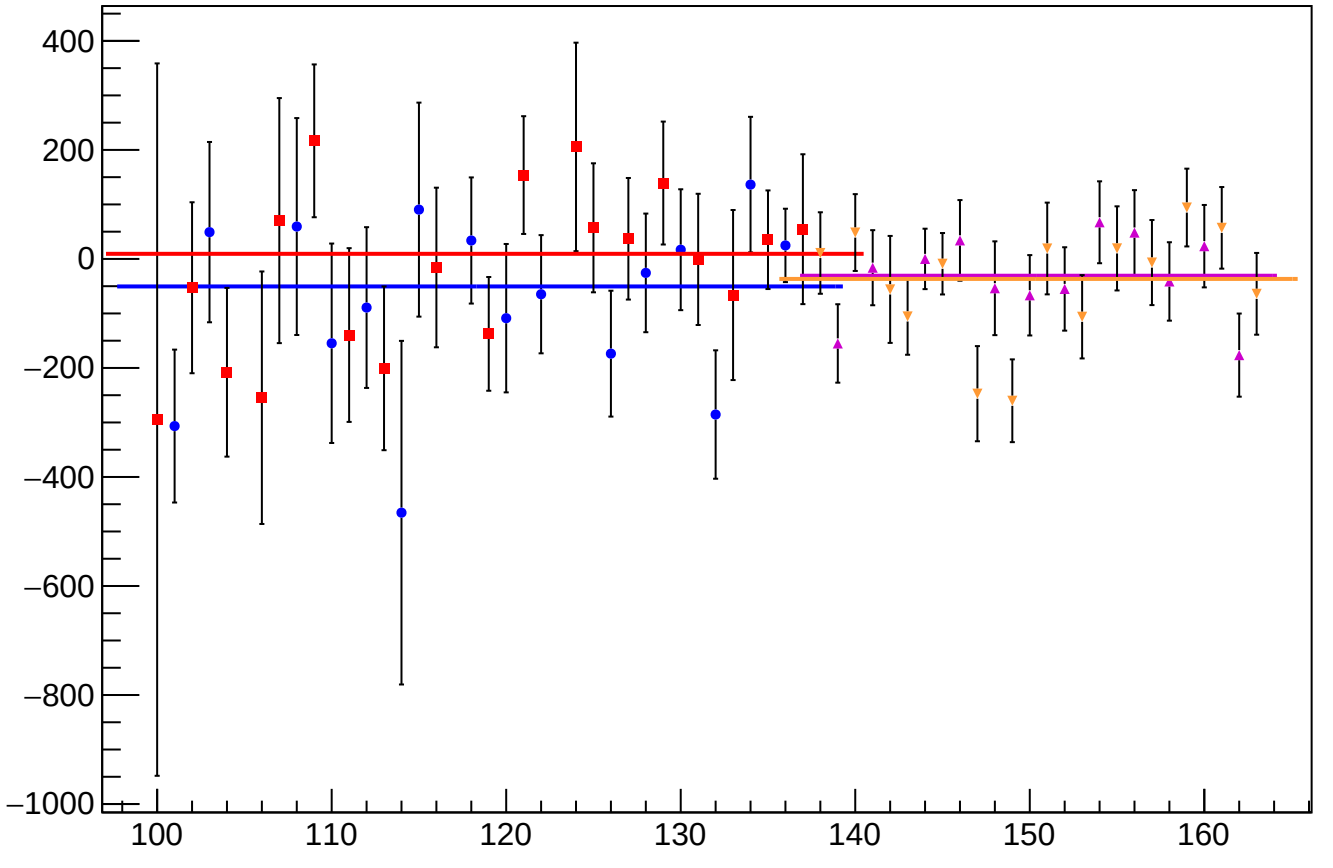
Left: 386.787+/-0.060 χ^2/NDF: 1531454.9/25

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 440.127+/-0.079 χ^2/NDF:4153535.0/27

Out: 437.471+/-0.077 χ^2/NDF:5180751.6/32

All: 438.761+/-0.055 χ^2/NDF: 9334861.7/60



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -36.668+/-19.986 χ^2/NDF:24.6/13

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -30.810+/-20.921 χ^2/NDF:11.4/11

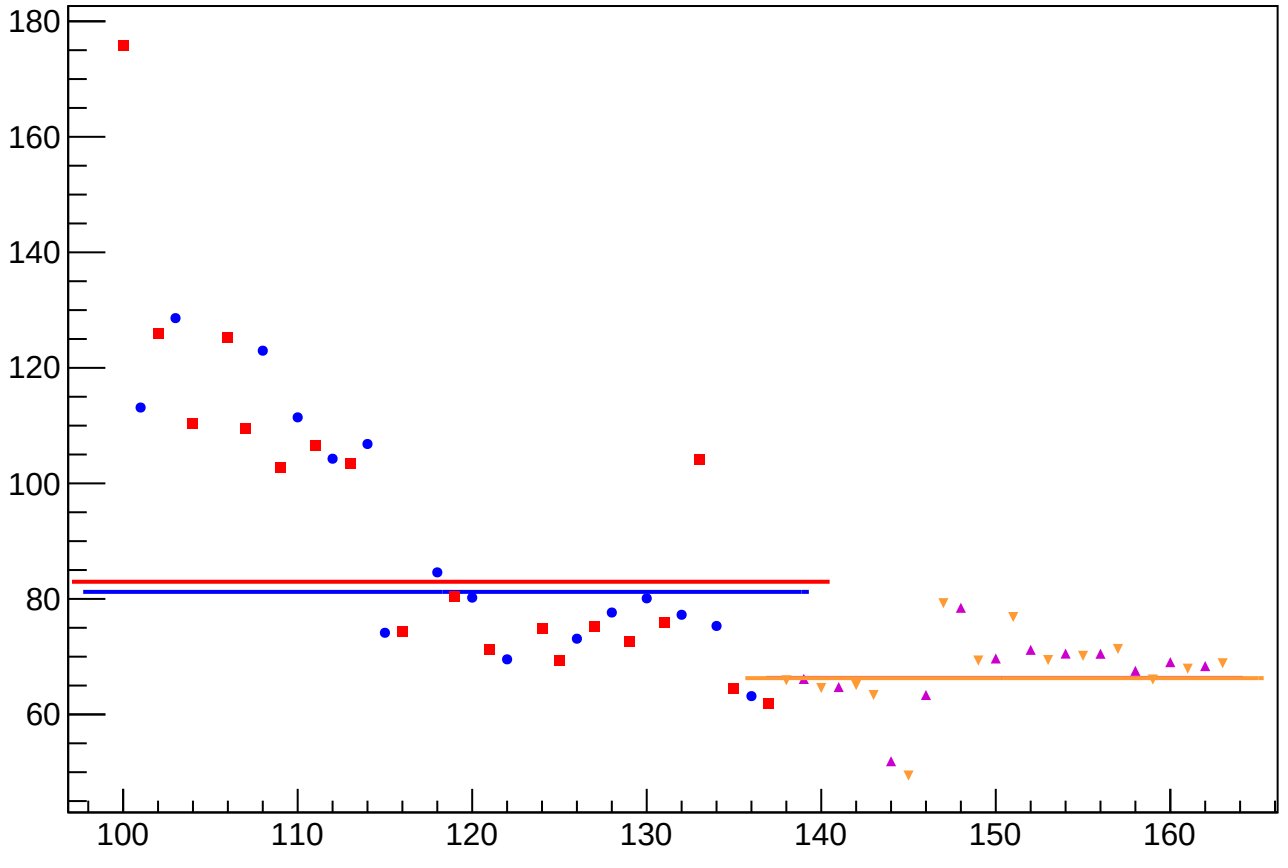
Left: -33.873+/-14.452 χ^2/NDF: 36.1/25

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -36.944+/-17.352 χ^2/NDF:28.1/27

Out: -23.291+/-16.835 χ^2/NDF:41.7/32

All: -29.911+/-12.083 χ^2/NDF: 70.2/60



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 66.282+/-0.014 χ^2/NDF:283163.4/13

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 66.322+/-0.015 χ^2/NDF:208463.3/11

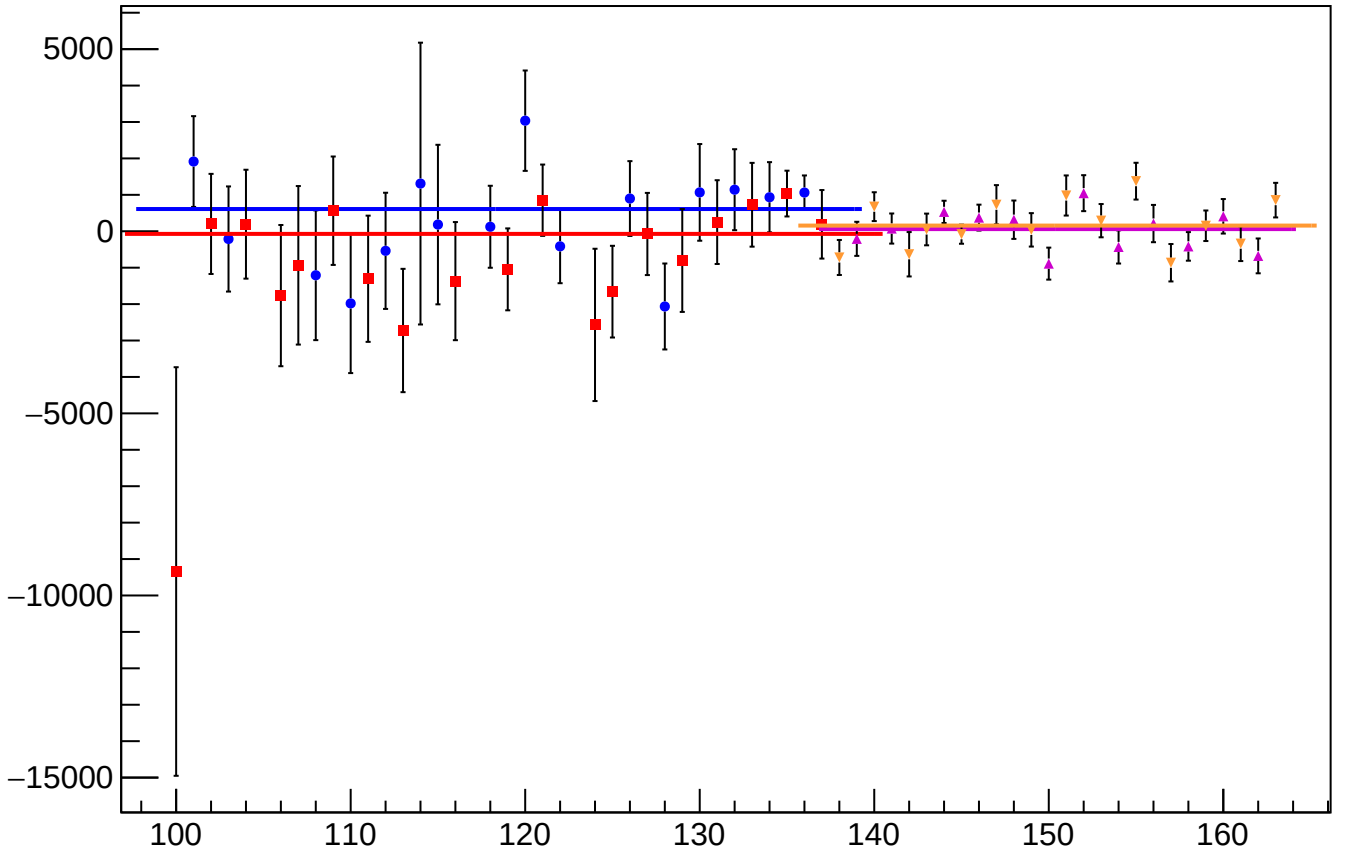
Left: 66.301+/-0.010 χ^2/NDF: 491630.4/25

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 70.971+/-0.012 χ^2/NDF:1187735.4/27

Out: 71.130+/-0.012 χ^2/NDF:1418604.2/32

All: 71.053+/-0.009 χ^2/NDF: 2606426.9/60



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 155.920+/-118.087 χ^2/NDF:24.1/13

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 59.288+/-123.180 χ^2/NDF:18.0/11

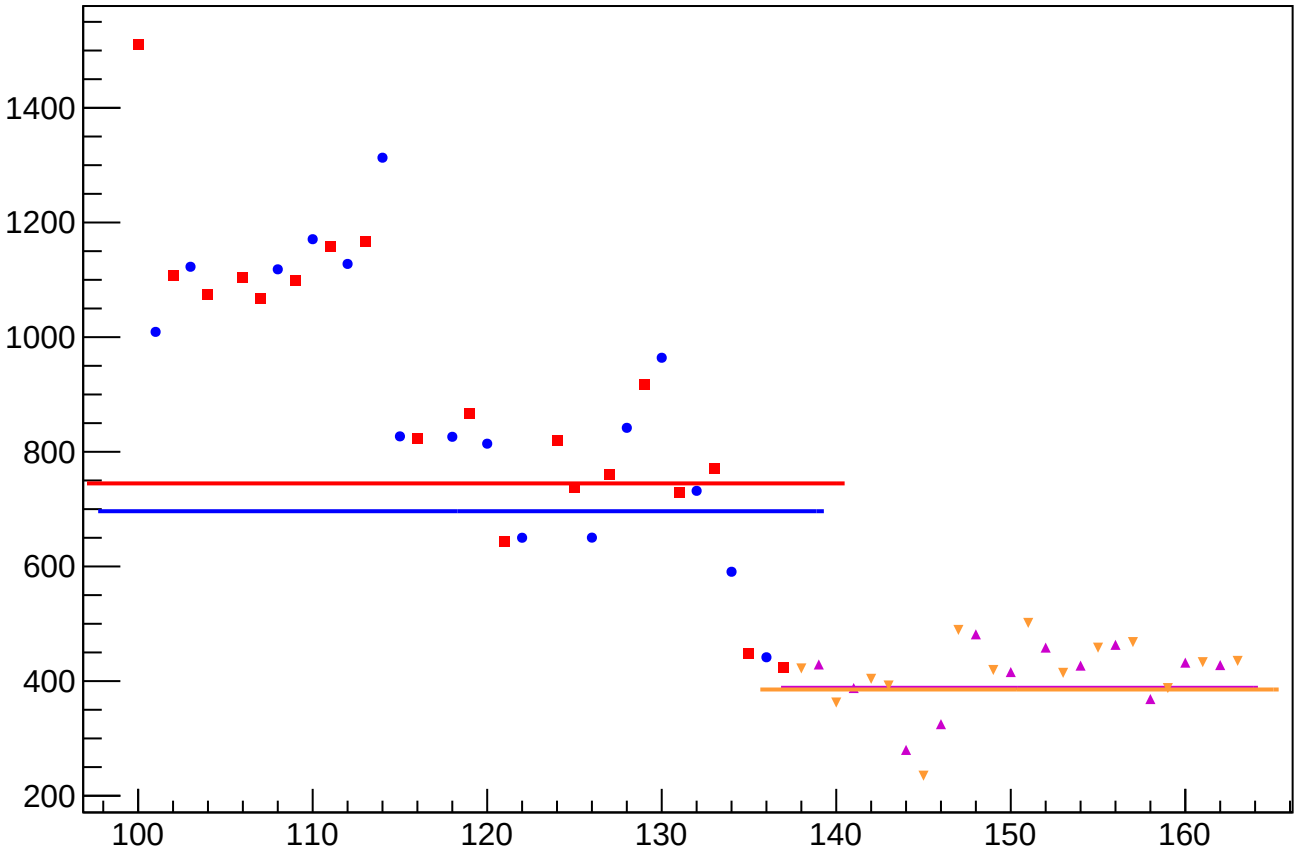
Left: 109.643+/-85.244 χ^2/NDF: 42.5/25

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 151.952+/-112.348 χ^2/NDF:37.2/27

Out: 122.842+/-109.195 χ^2/NDF:40.8/32

All: 136.983+/-78.303 χ^2/NDF: 78.1/60



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 385.368+/-0.083 χ^2/NDF:995842.2/13

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 388.332+/-0.087 χ^2/NDF:535037.3/11

Left: 386.787+/-0.060 χ^2/NDF: 1531483.2/25

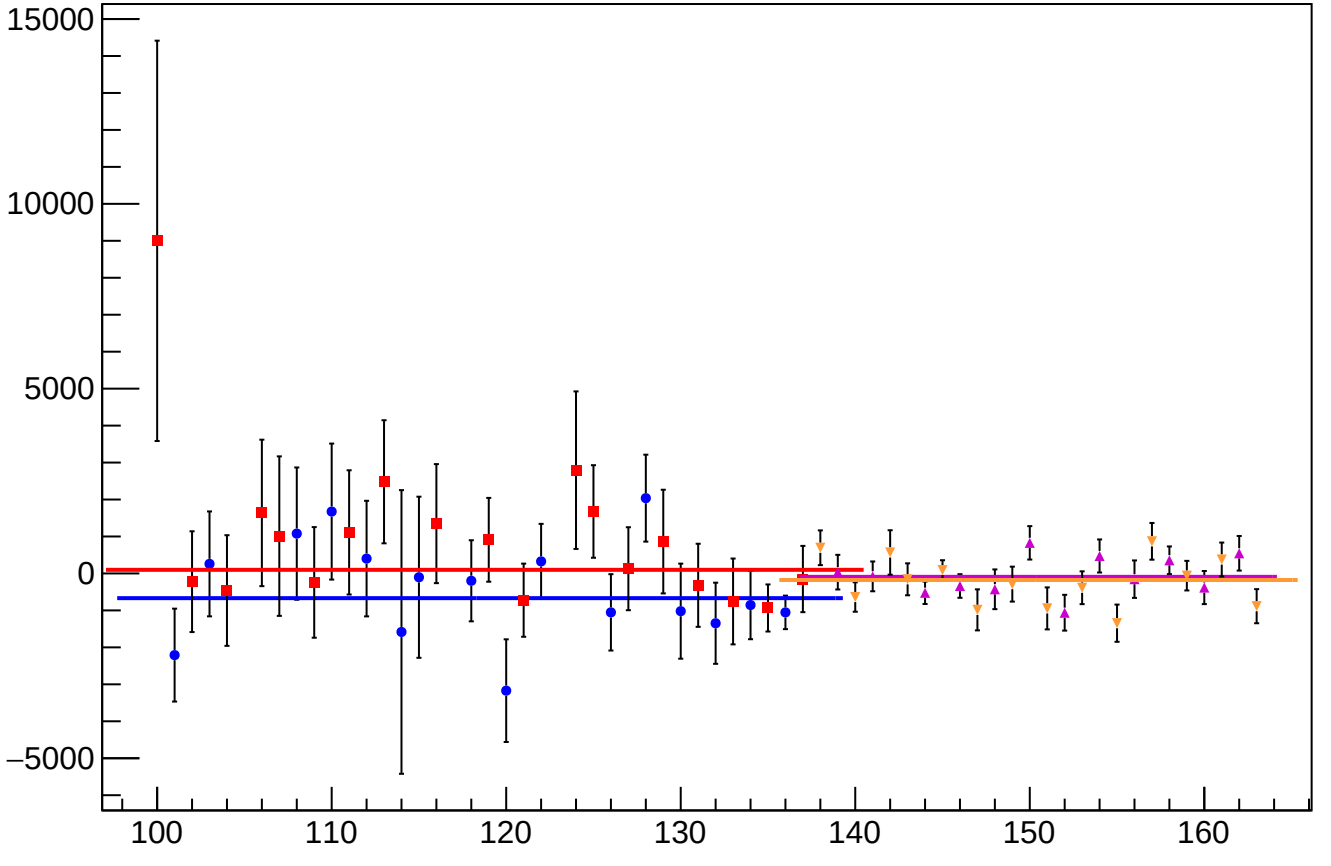
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 440.127+/-0.079 χ^2/NDF:4153518.8/27

Out: 437.471+/-0.077 χ^2/NDF:5180753.2/32

All: 438.761+/-0.055 χ^2/NDF: 9334847.1/60

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -177.031+/-117.477 χ^2/NDF:25.3/13

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -92.083+/-119.892 χ^2/NDF:16.6/11

Left: -135.421+/-83.910 χ^2/NDF: 42.1/25

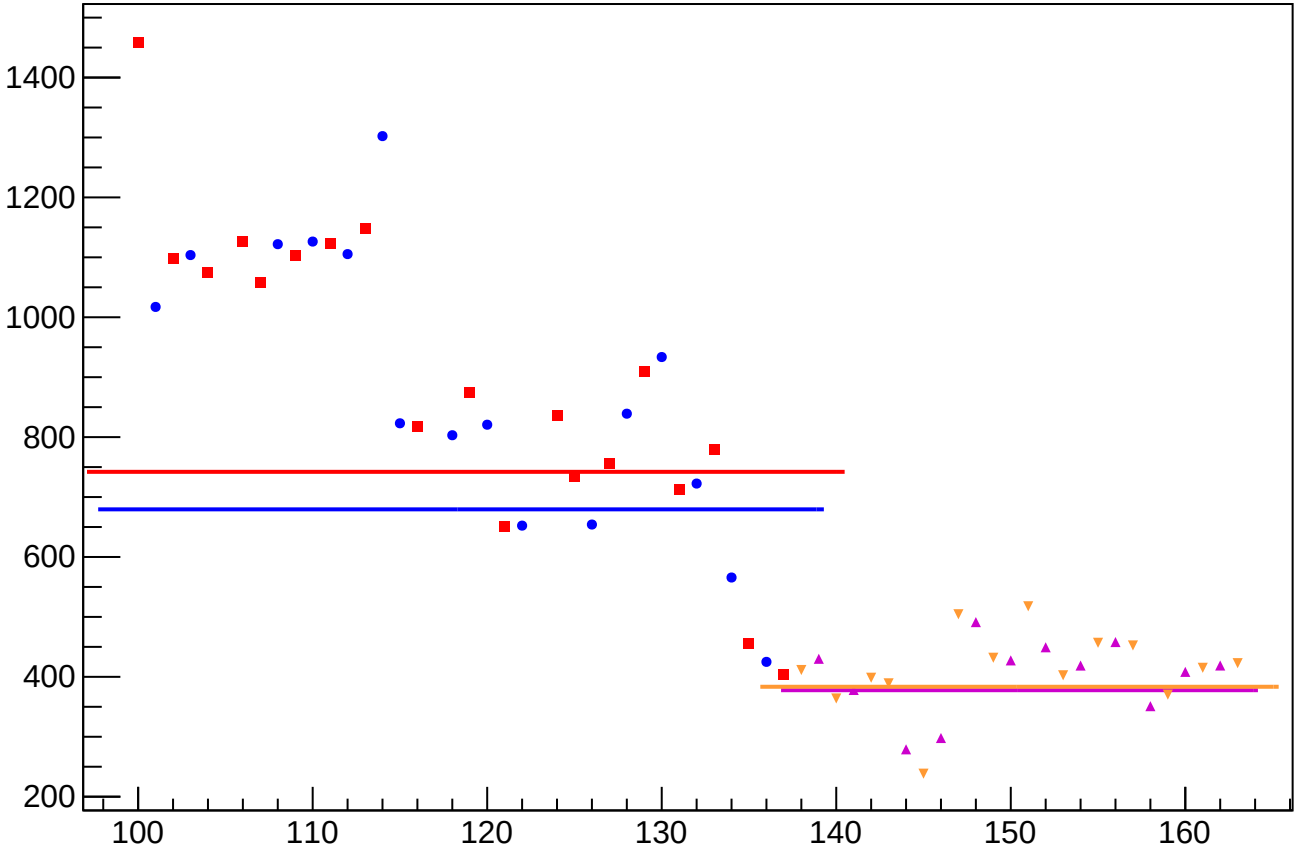
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -187.935+/-109.471 χ^2/NDF:36.5/27

Out: -137.298+/-108.660 χ^2/NDF:40.9/32

All: -162.428+/-77.119 χ^2/NDF: 77.5/60

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 383.438+/-0.083 χ^2/NDF:937913.4/13

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 377.708+/-0.085 χ^2/NDF:620655.2/11

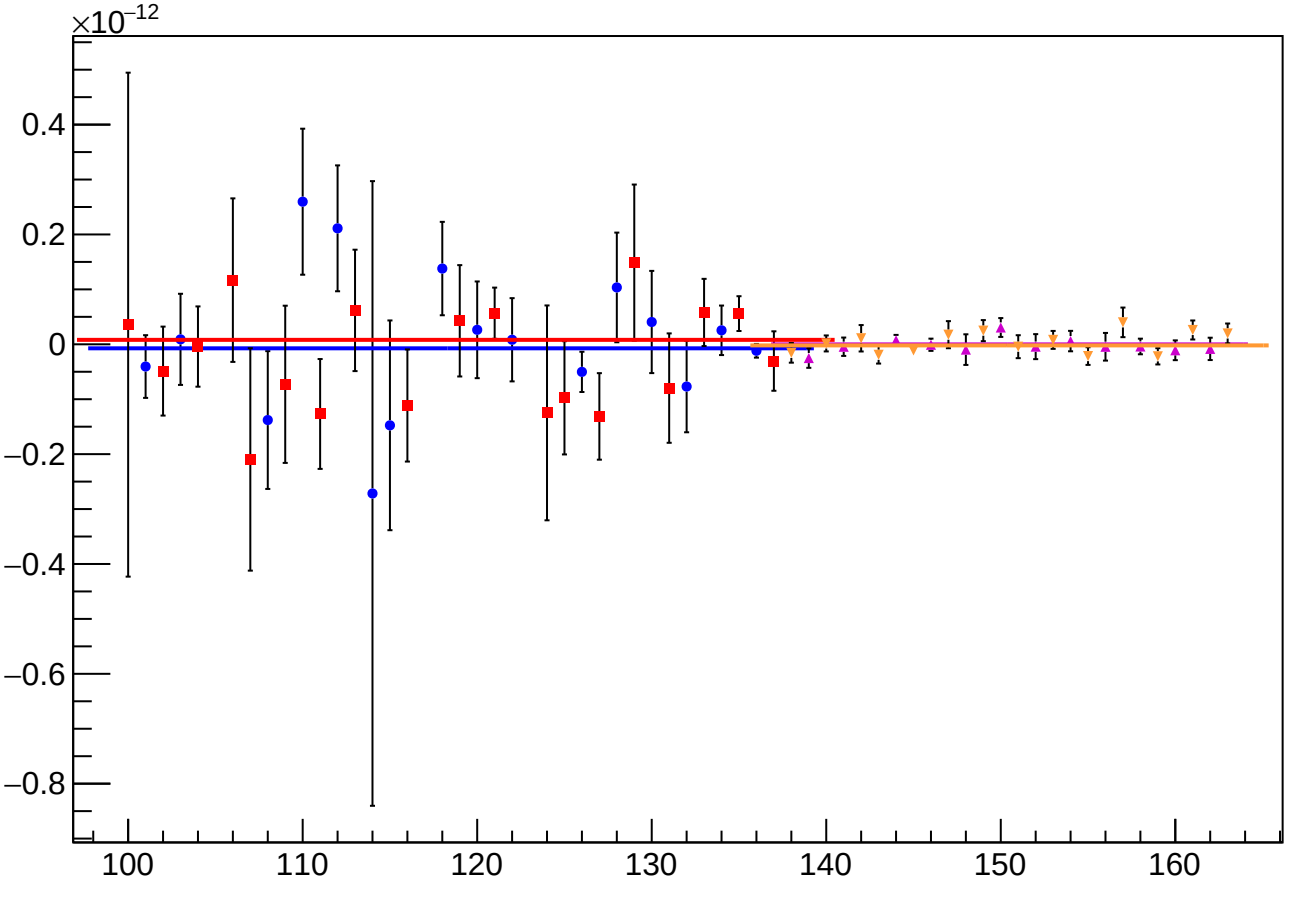
Left: 380.631+/-0.059 χ^2/NDF: 1560899.6/25

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 427.888+/-0.077 χ^2/NDF:4328440.1/27

Out: 435.250+/-0.077 χ^2/NDF:5135187.6/32

All: 431.596+/-0.055 χ^2/NDF: 9468184.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/11

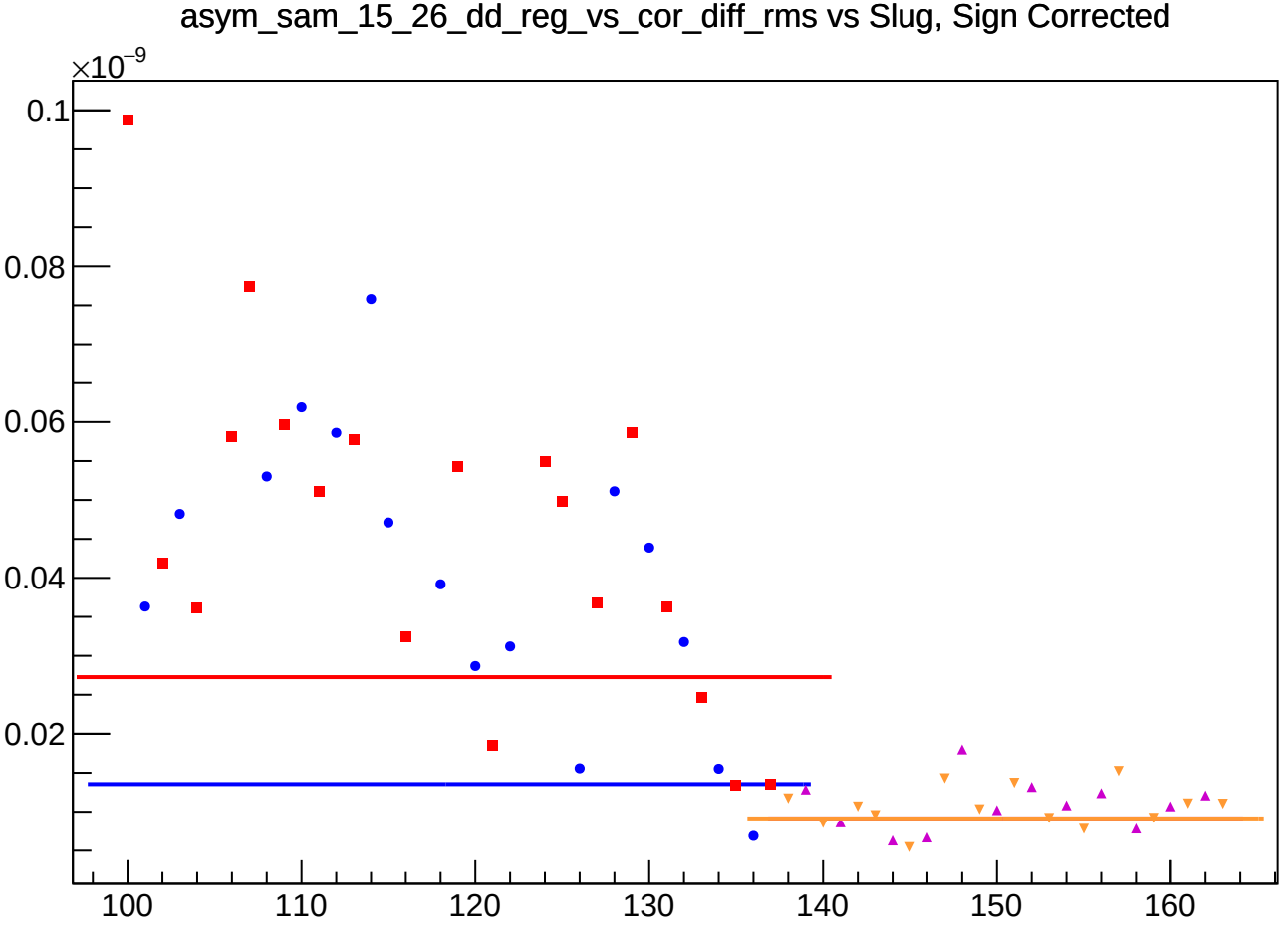
Left: -0.000+/-0.000 χ^2/NDF: 22.6/25

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:24.3/27

Out: -0.000+/-0.000 χ^2/NDF:33.2/32

All: -0.000+/-0.000 χ^2/NDF: 57.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:759608.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:745678.1/11

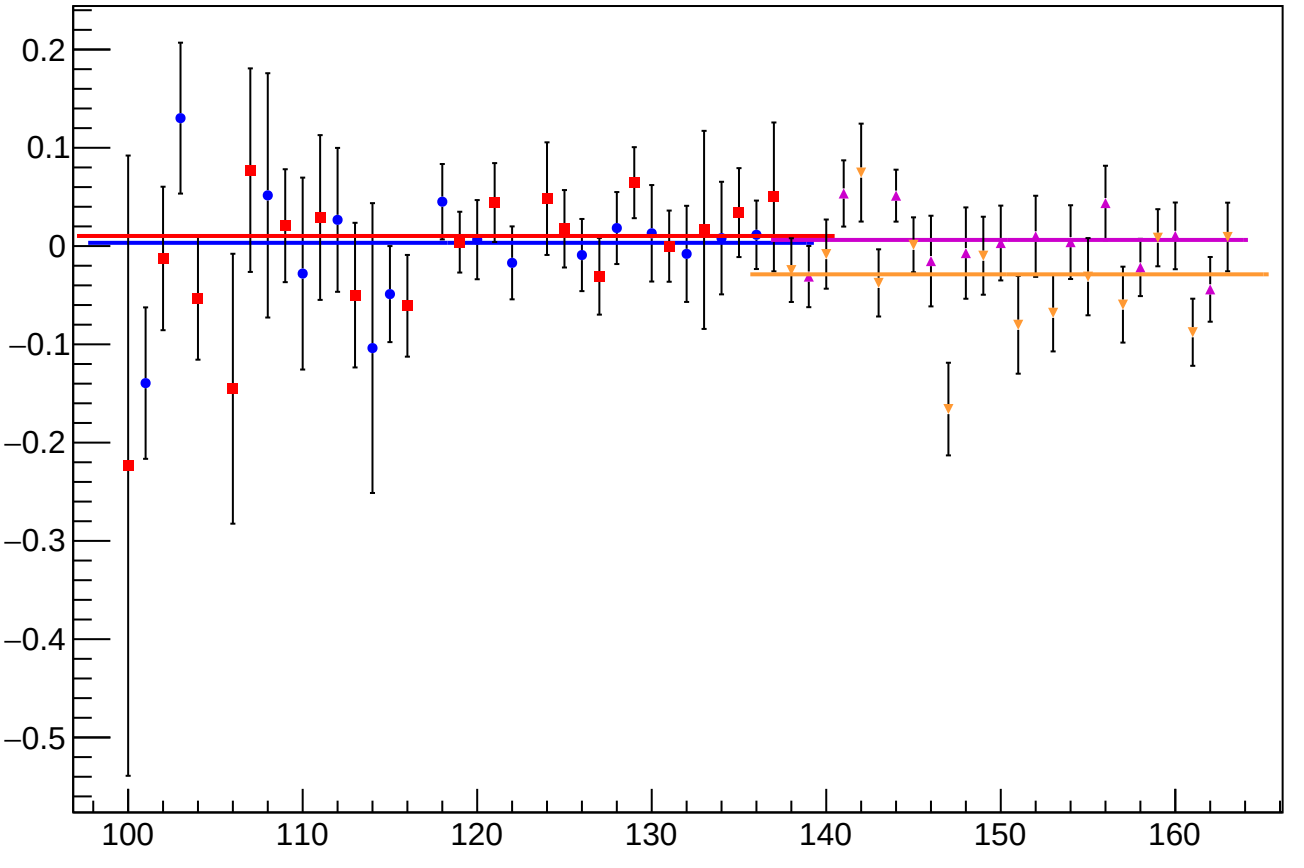
Left: 0.000+/-0.000 χ^2/NDF: 1505287.6/25

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4088570.9/27

Out: 0.000+/-0.000 χ^2/NDF:4556708.8/32

All: 0.000+/-0.000 χ^2/NDF: 8652246.6/60



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/11

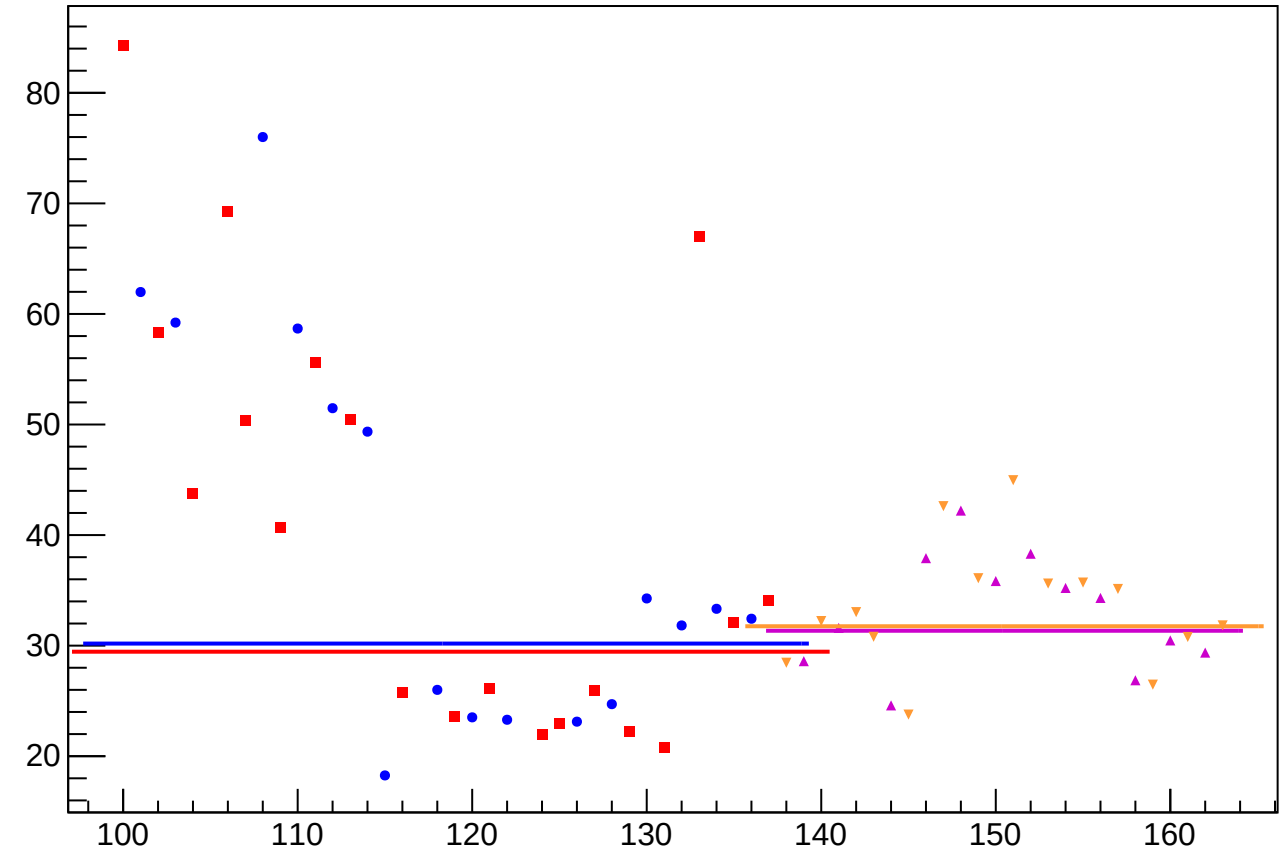
Left: -0.012+/-0.007 χ^2/NDF: 40.3/25

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/27

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/60



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.754+/-0.007 χ^2/NDF:580942.2/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.346+/-0.007 χ^2/NDF:470340.8/11

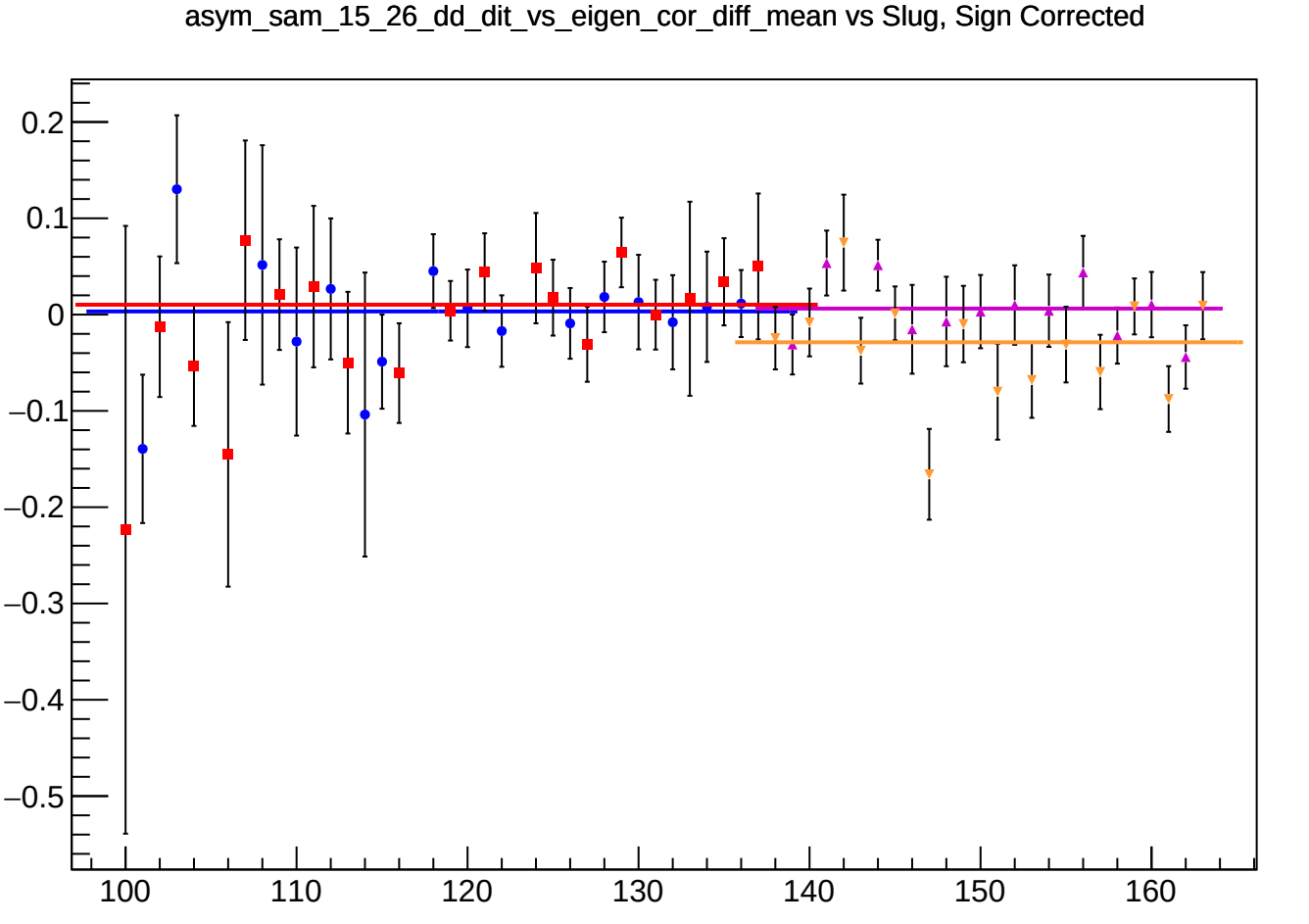
Left: 31.557+/-0.005 χ^2/NDF: 1052983.3/25

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.882+/-0.005 χ^2/NDF:2168406.4/27

Out: 30.826+/-0.005 χ^2/NDF:2474912.0/32

All: 30.853+/-0.004 χ^2/NDF: 4643372.2/60



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/11

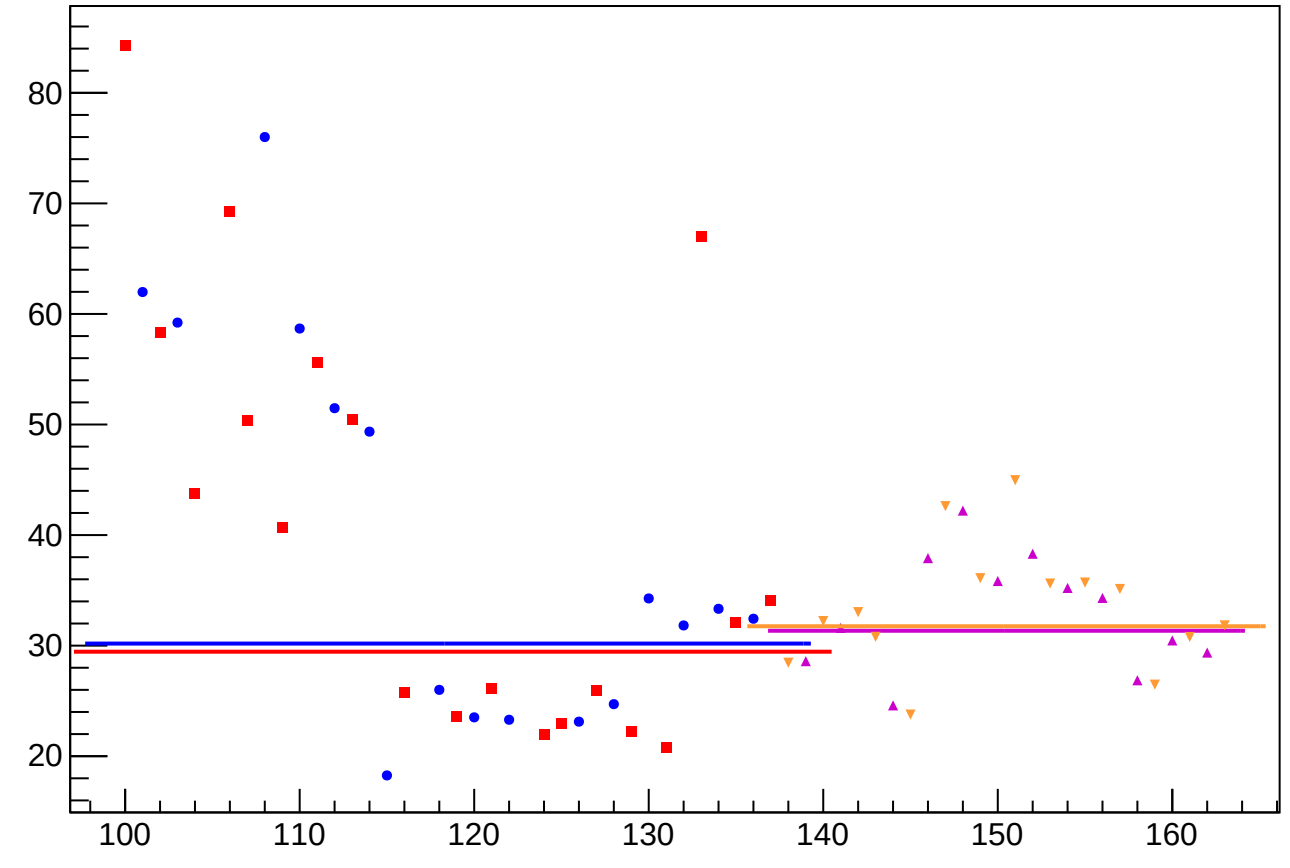
Left: -0.012+/-0.007 χ^2/NDF: 40.3/25

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/27

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/60



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 31.754+/-0.007 χ^2/NDF:580942.2/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.346+/-0.007 χ^2/NDF:470340.8/11

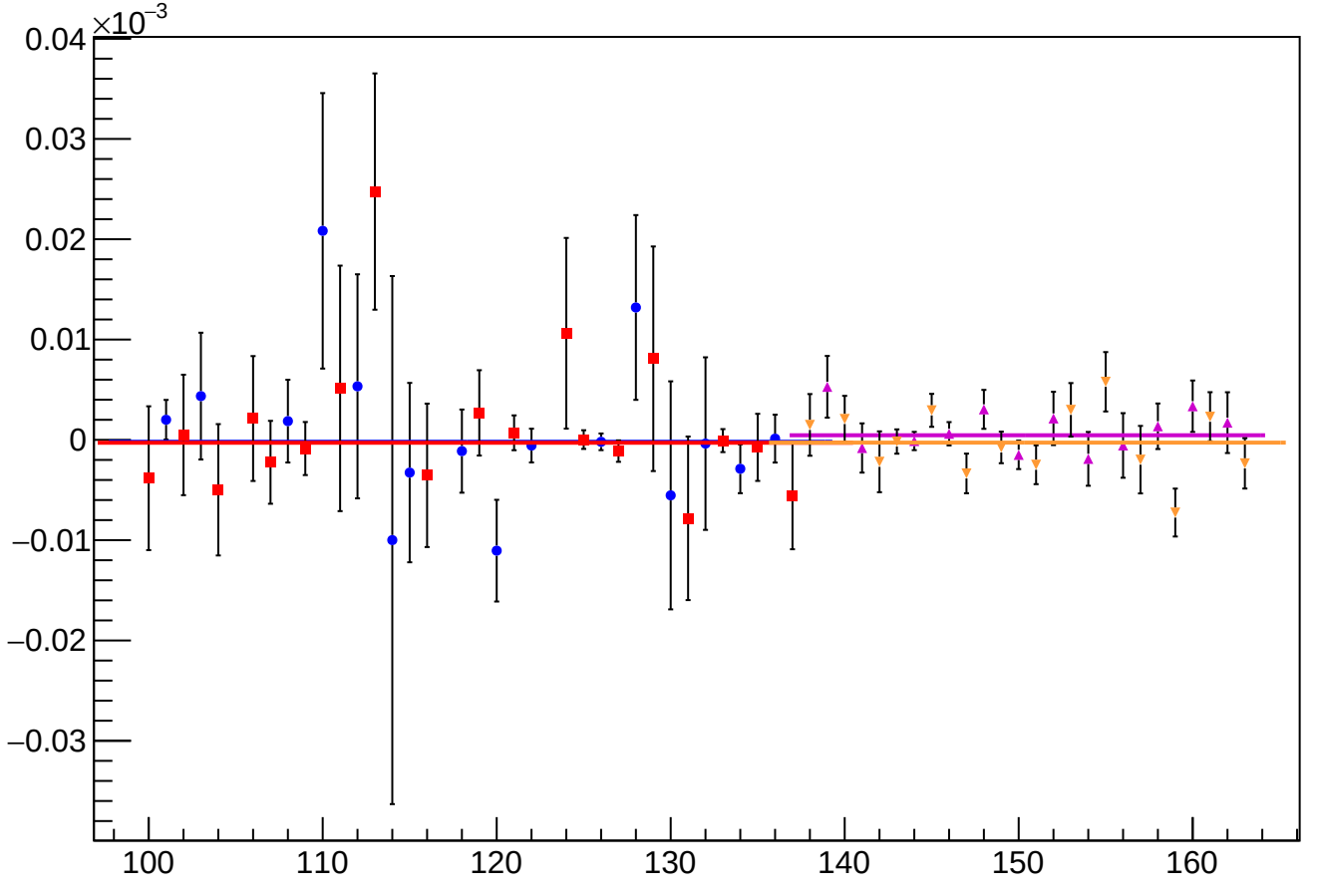
Left: 31.557+/-0.005 χ^2/NDF: 1052983.3/25

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.882+/-0.005 χ^2/NDF:2168406.4/27

Out: 30.826+/-0.005 χ^2/NDF:2474912.0/32

All: 30.853+/-0.004 χ^2/NDF: 4643372.2/60



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:9.7/11

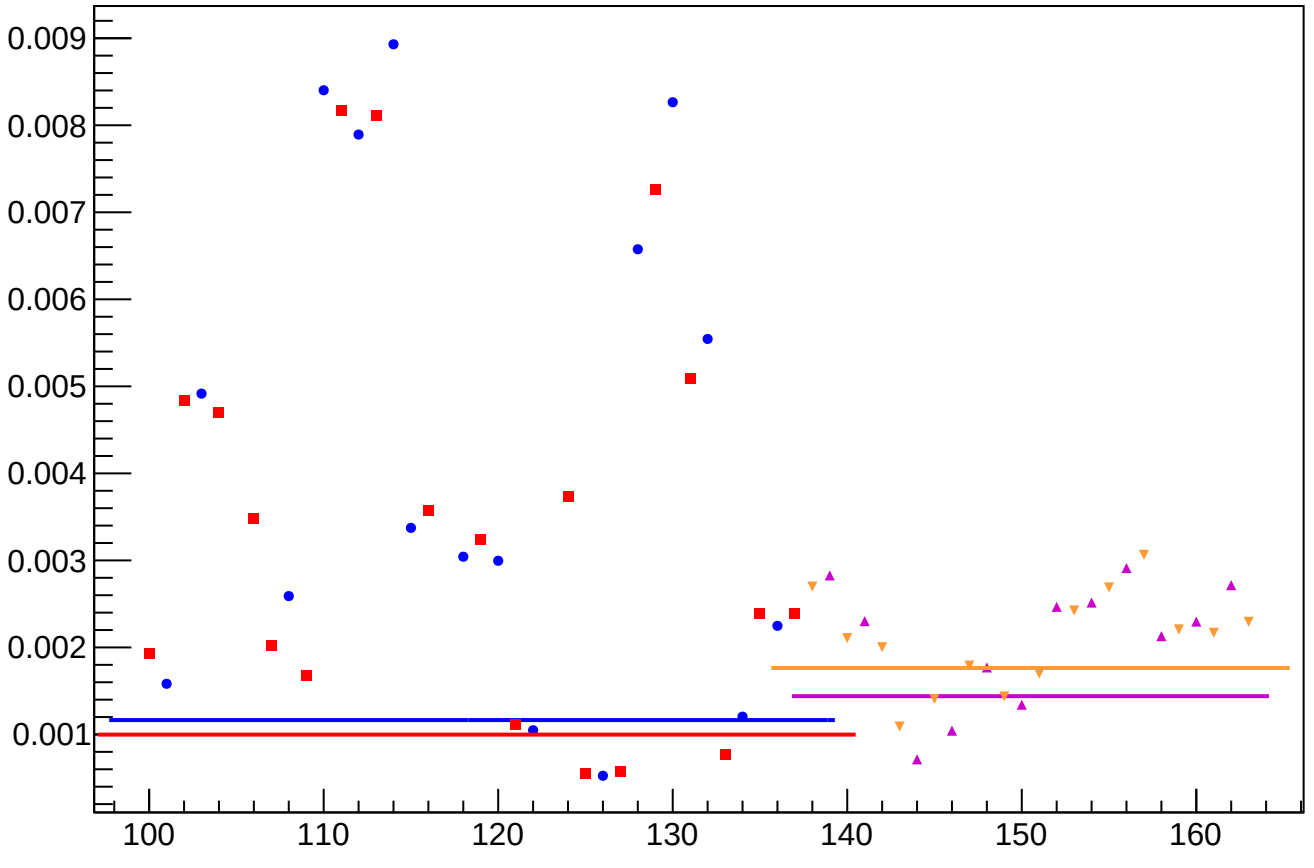
Left: 0.000+/-0.000 χ^2/NDF: 36.3/25

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:23.4/27

Out: -0.000+/-0.000 χ^2/NDF:37.1/32

All: -0.000+/-0.000 χ^2/NDF: 61.3/60



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1871027.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4025550.9/11

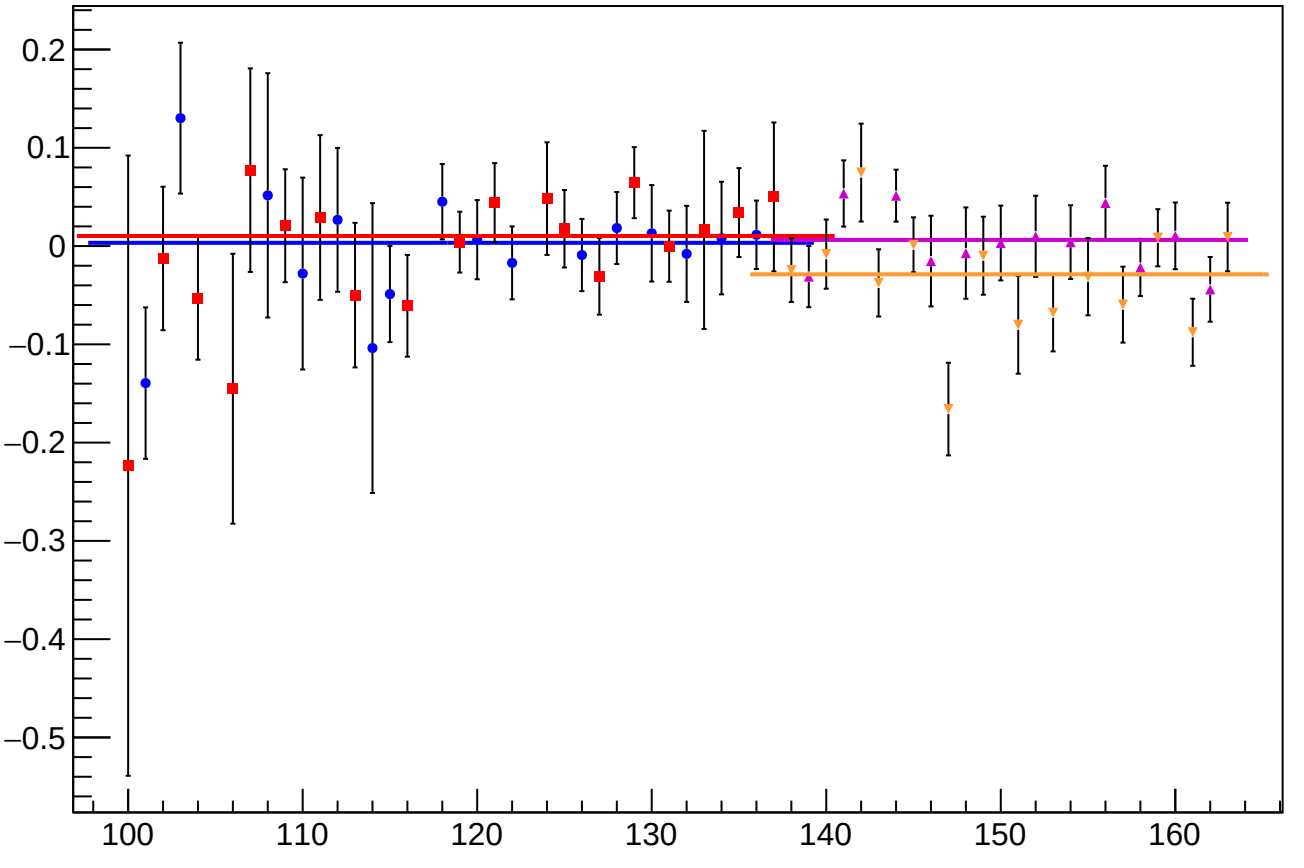
Left: 0.002+/-0.000 χ^2/NDF: 6262060.0/25

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11143482.3/27

Out: 0.001+/-0.000 χ^2/NDF:10817645.9/32

All: 0.001+/-0.000 χ^2/NDF: 21966753.8/60



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/11

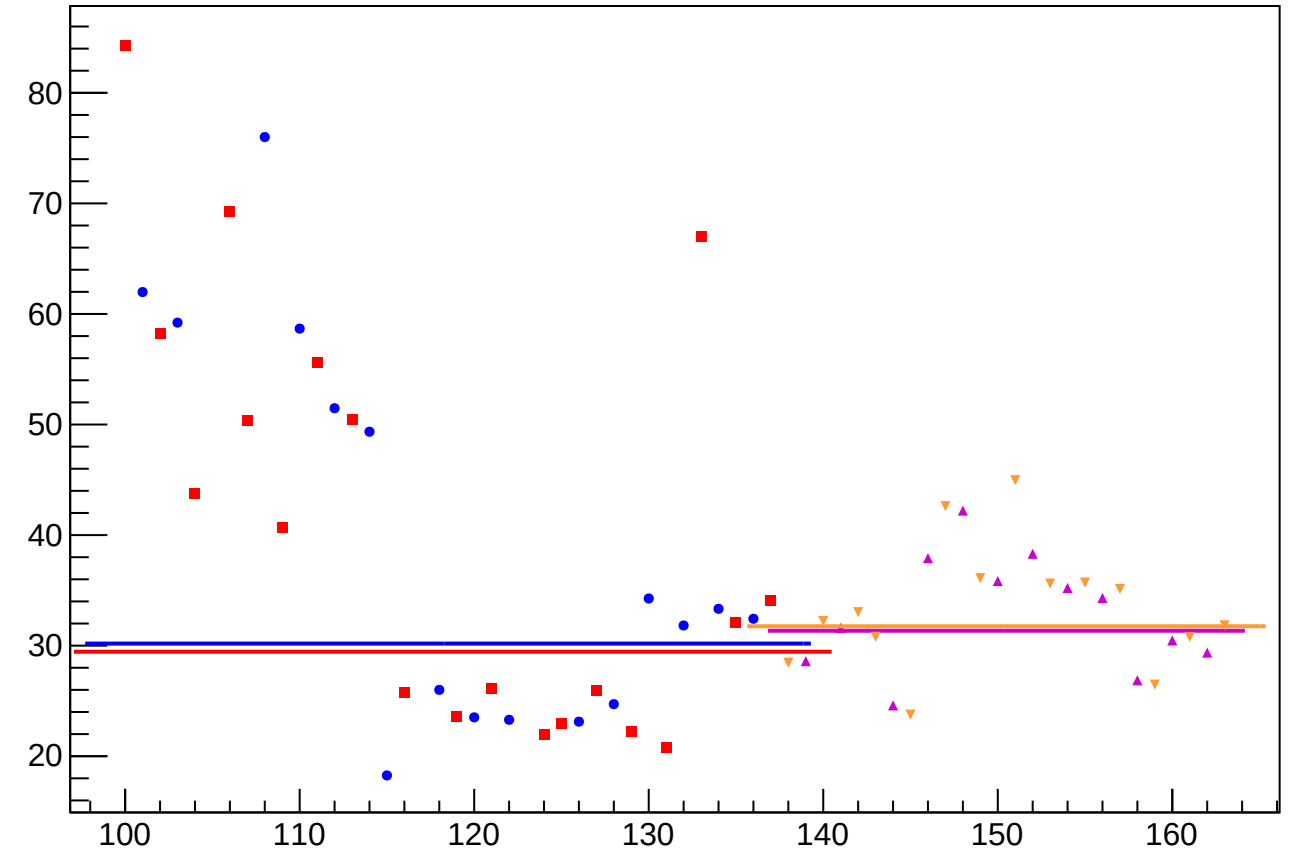
Left: -0.012+/-0.007 χ^2/NDF: 40.3/25

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/27

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/60



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.347+/-0.007 χ^2/NDF:470337.8/11

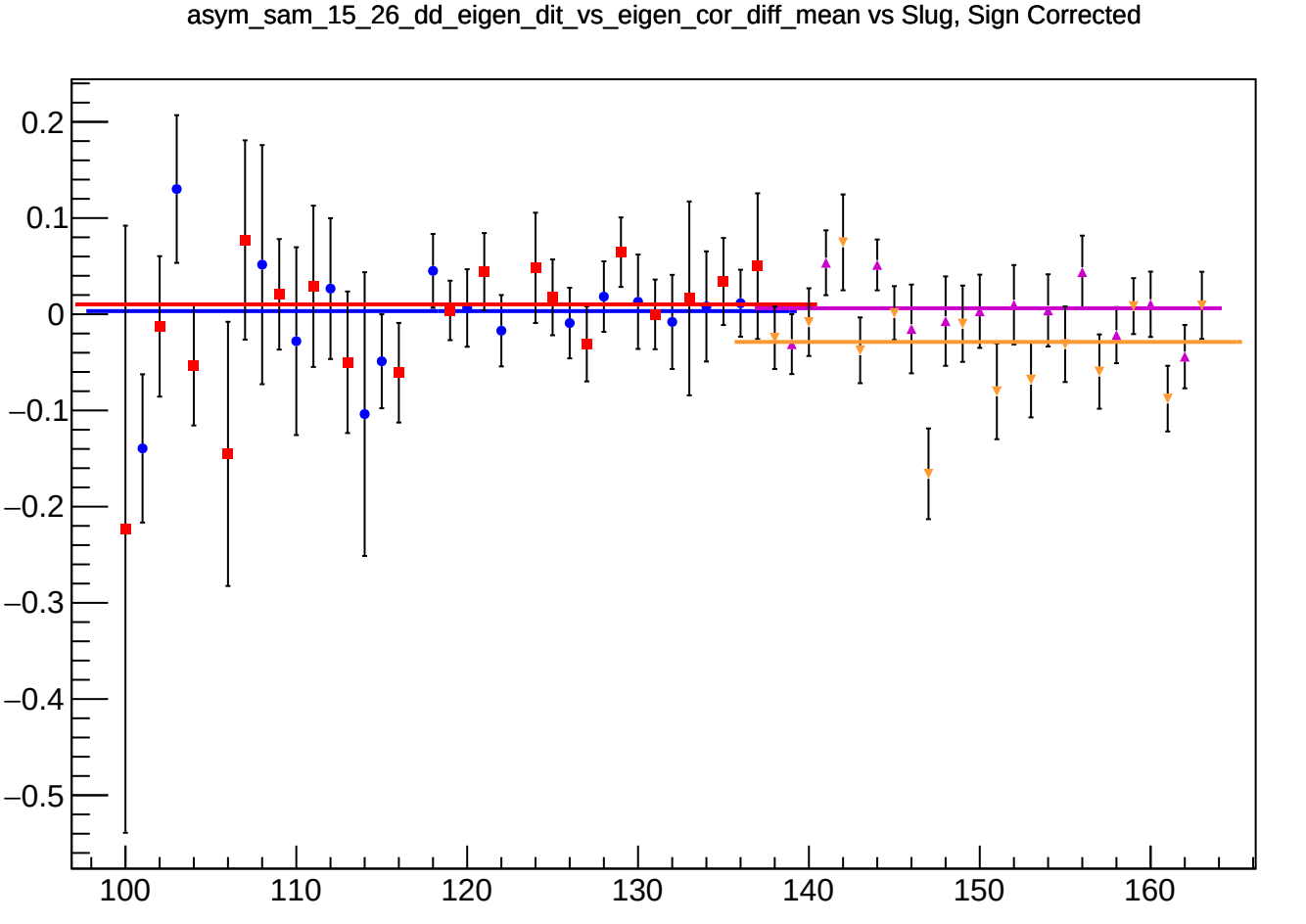
Left: 31.557+/-0.005 χ^2/NDF: 1052954.1/25

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.882+/-0.005 χ^2/NDF:2168221.0/27

Out: 30.826+/-0.005 χ^2/NDF:2474914.2/32

All: 30.853+/-0.004 χ^2/NDF: 4643189.5/60



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.010 χ^2/NDF:23.1/13

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.006+/-0.010 χ^2/NDF:10.9/11

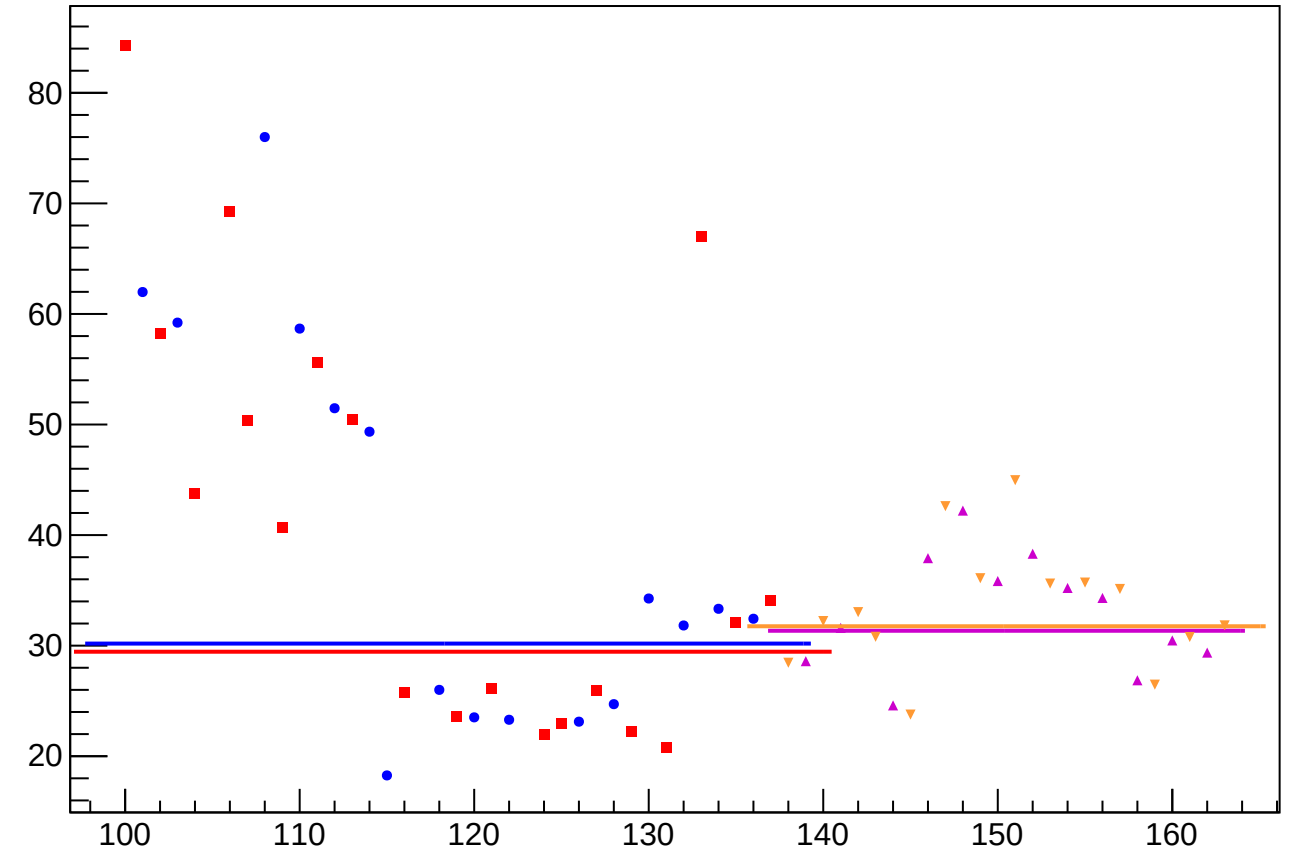
Left: -0.012+/-0.007 χ^2/NDF: 40.3/25

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.005+/-0.008 χ^2/NDF:21.0/27

Out: -0.013+/-0.007 χ^2/NDF:40.8/32

All: -0.004+/-0.005 χ^2/NDF: 64.7/60



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 31.754+/-0.007 χ^2/NDF:580915.8/13

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.347+/-0.007 χ^2/NDF:470337.8/11

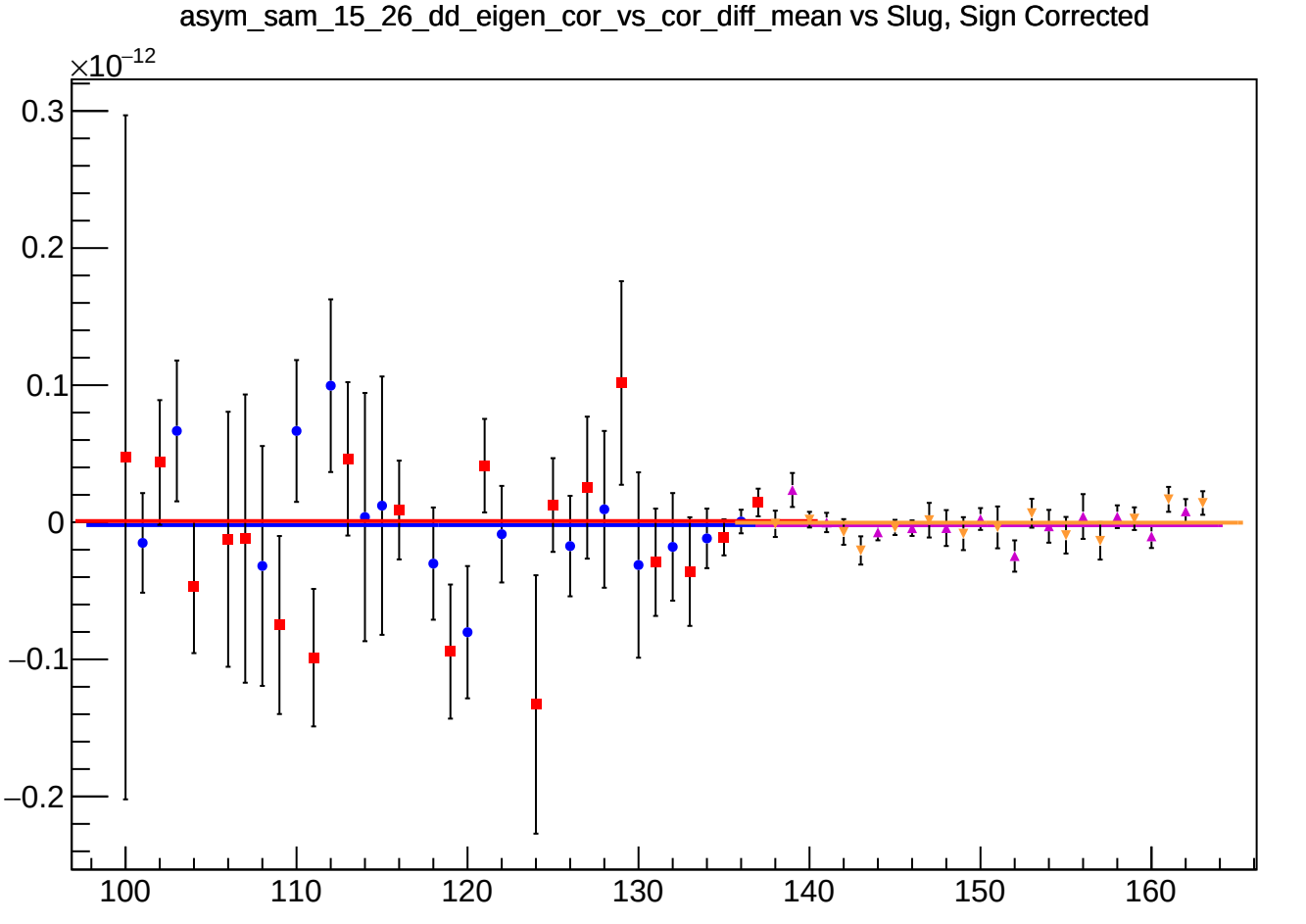
Left: 31.557+/-0.005 χ^2/NDF: 1052954.1/25

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.882+/-0.005 χ^2/NDF:2168221.0/27

Out: 30.826+/-0.005 χ^2/NDF:2474914.2/32

All: 30.853+/-0.004 χ^2/NDF: 4643189.5/60



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/13

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

Left In: -0.000+/-0.000 χ^2/NDF:12.5/11

Left: -0.000+/-0.000 χ^2/NDF: 26.4/25

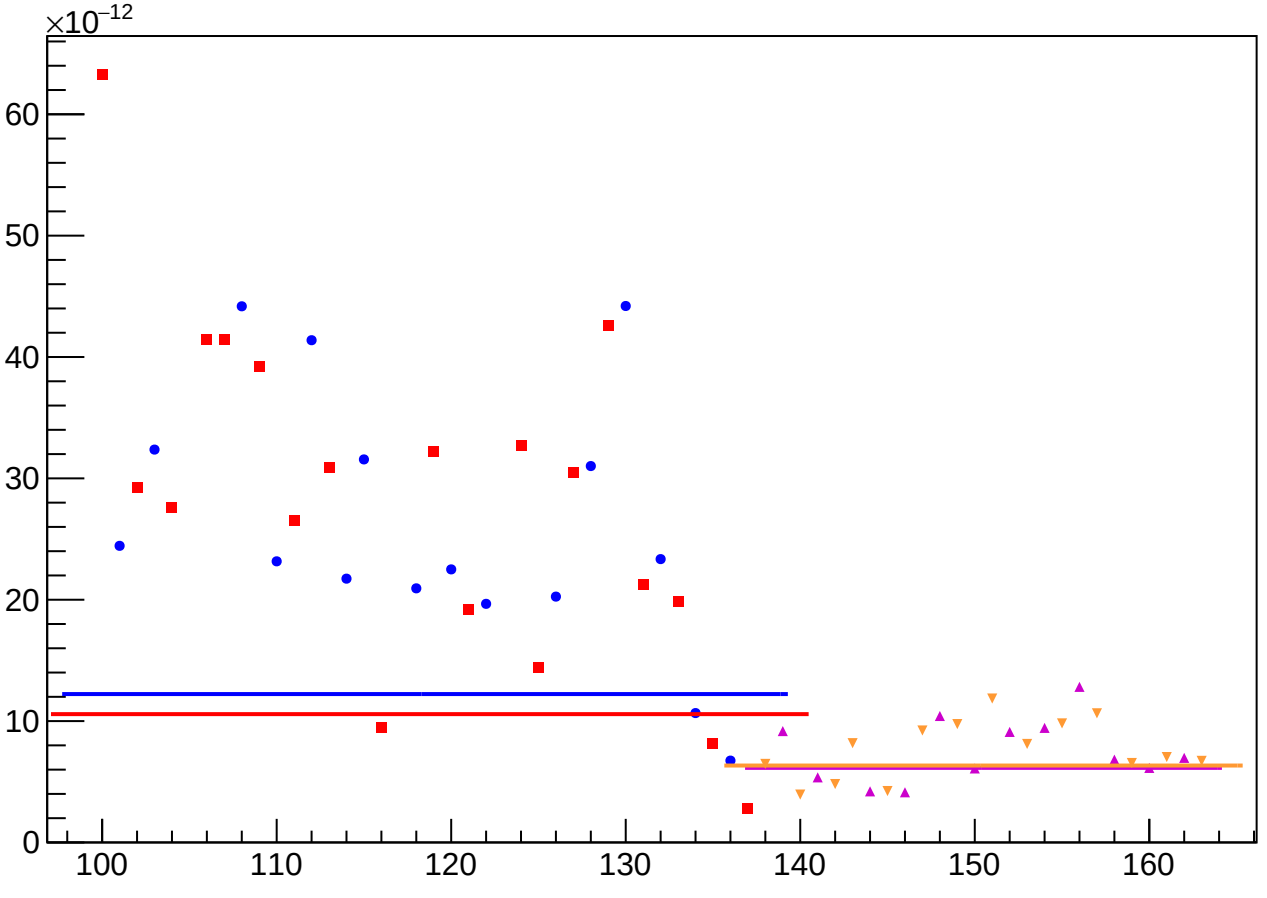
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:22.9/27

Out: -0.000+/-0.000 χ^2/NDF:35.1/32

All: -0.000+/-0.000 χ^2/NDF: 58.4/60

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1693960.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1480091.5/11

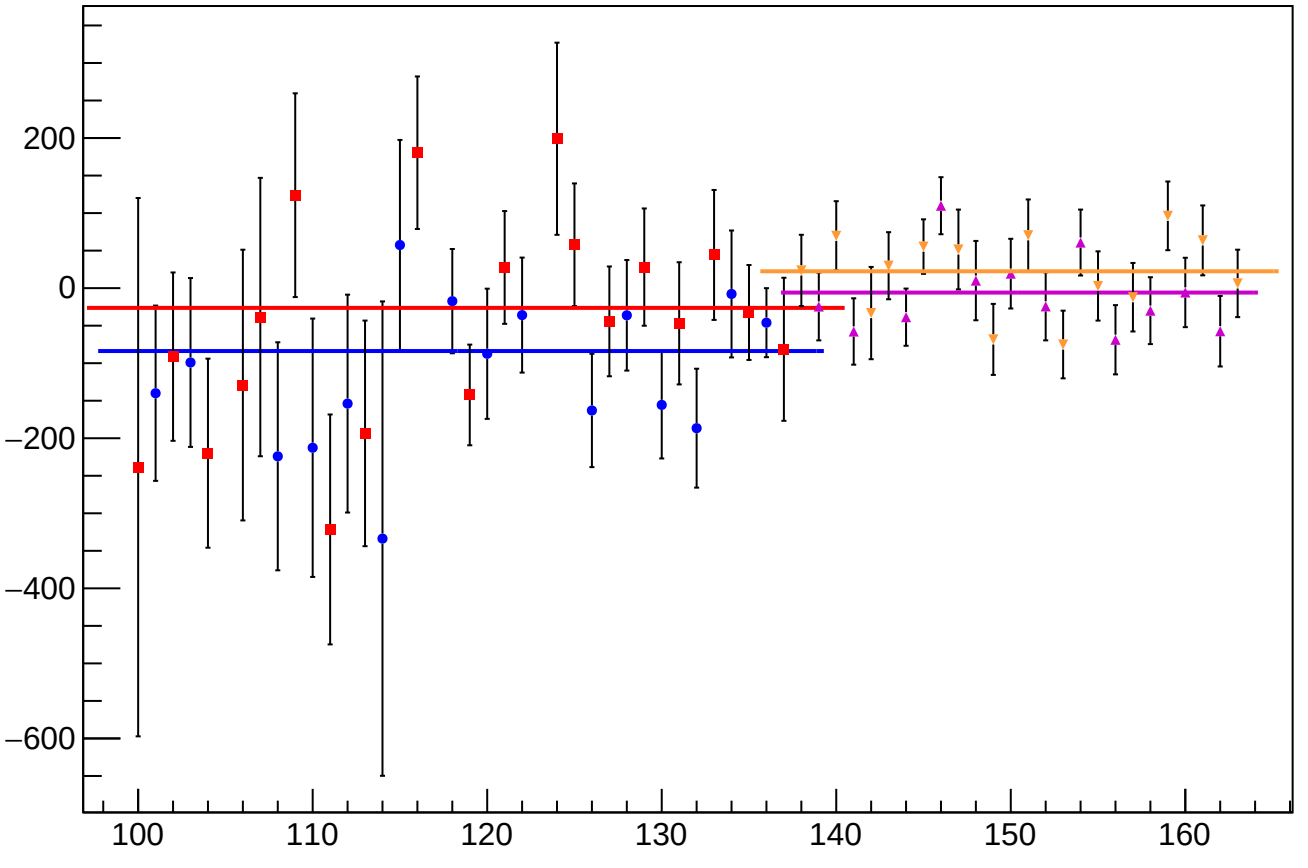
Left: 0.000+/-0.000 χ^2/NDF: 3180375.7/25

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6328183.8/27

Out: 0.000+/-0.000 χ^2/NDF:7179576.0/32

All: 0.000+/-0.000 χ^2/NDF: 13507775.1/60



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: -5.893+/-12.799 χ^2/NDF:17.8/11

Left: 8.776+/-8.889 χ^2/NDF: 37.0/25

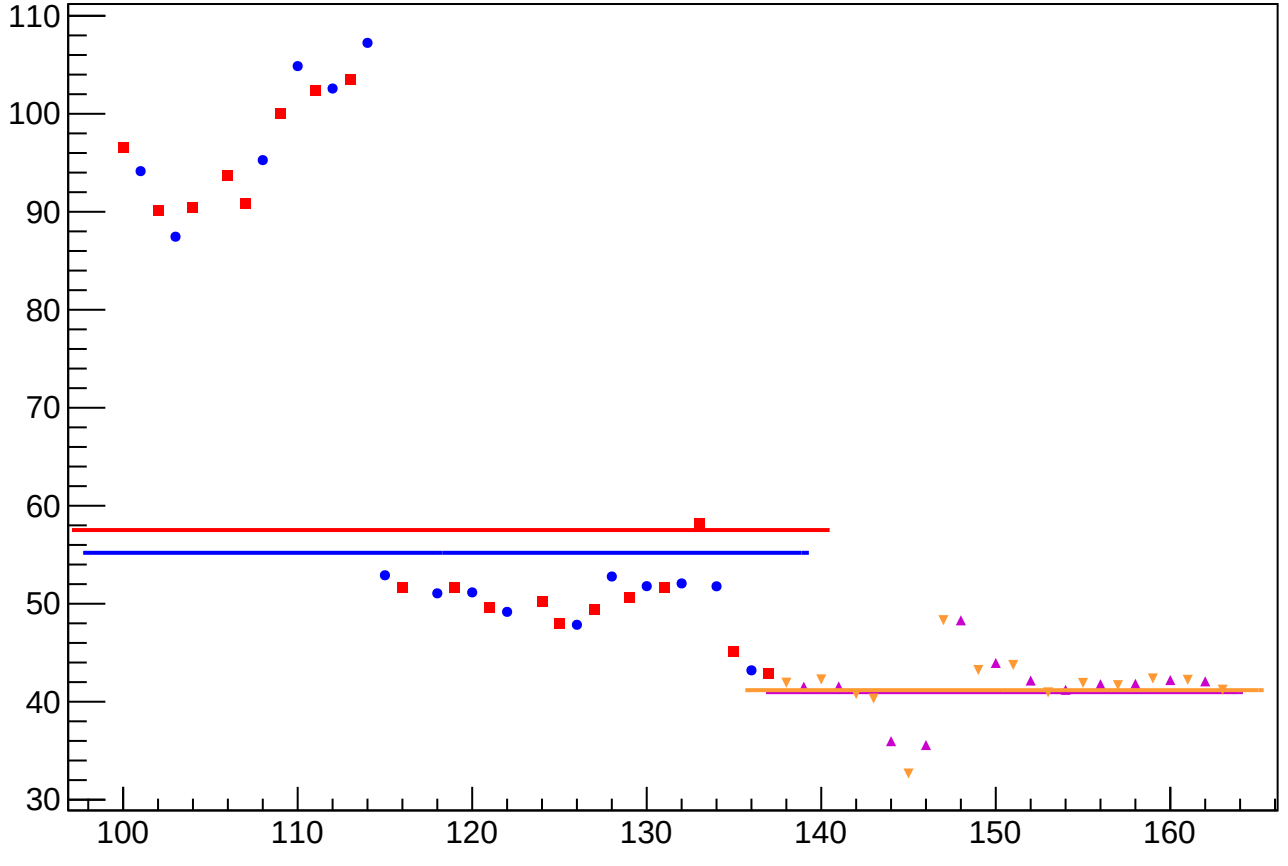
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -26.373+/-10.989 χ^2/NDF:38.0/27

Out: 10.810+/-10.780 χ^2/NDF:43.3/32

All: -7.425+/-7.696 χ^2/NDF: 87.2/60

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.976+/-0.009 χ^2/NDF:127395.9/11

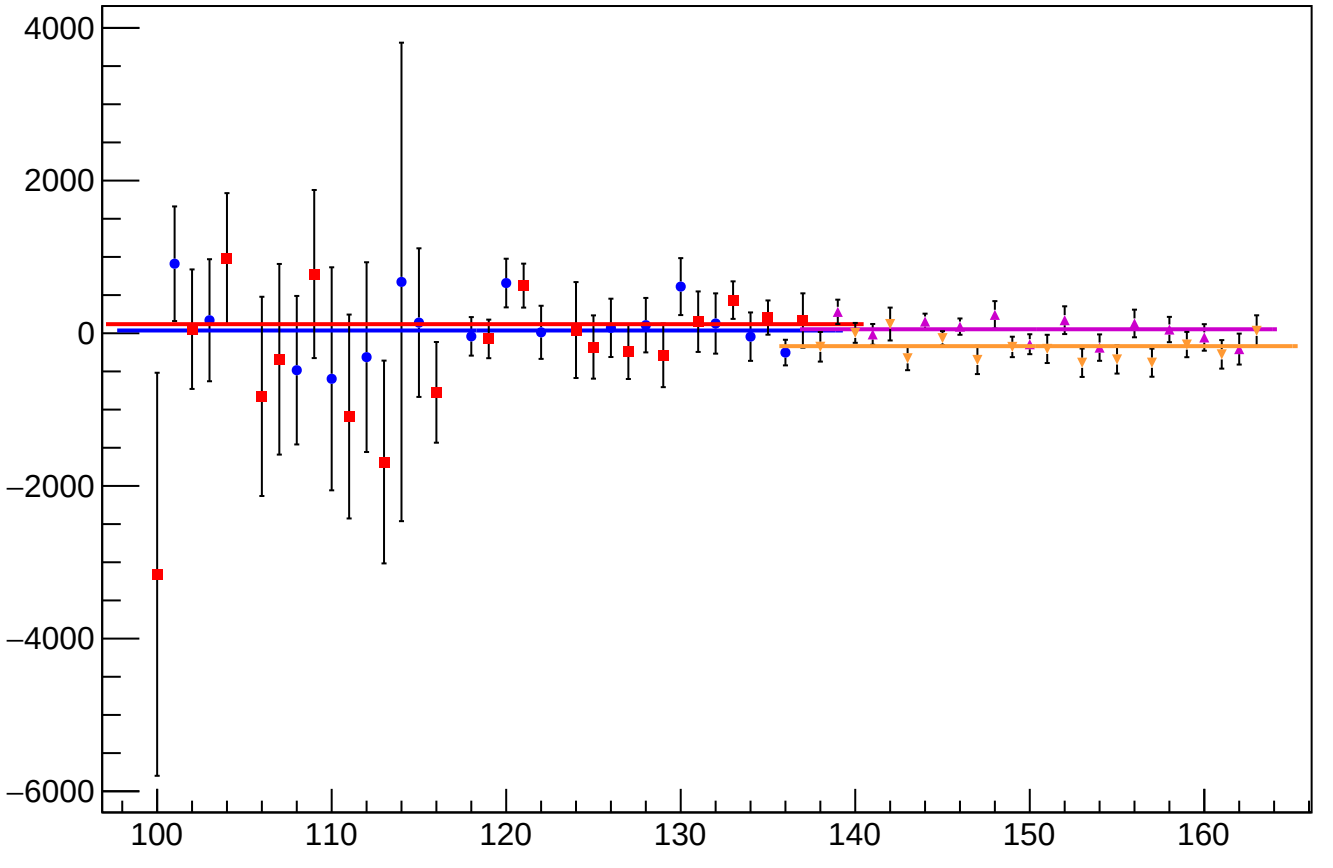
Left: 41.082+/-0.006 χ^2/NDF: 288727.1/25

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 44.715+/-0.008 χ^2/NDF:1928962.8/27

Out: 45.080+/-0.008 χ^2/NDF:2277636.5/32

All: 44.901+/-0.005 χ^2/NDF: 4207724.7/60



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.832+/-42.310 χ^2/NDF:11.9/13

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 52.356+/-42.579 χ^2/NDF:11.2/11

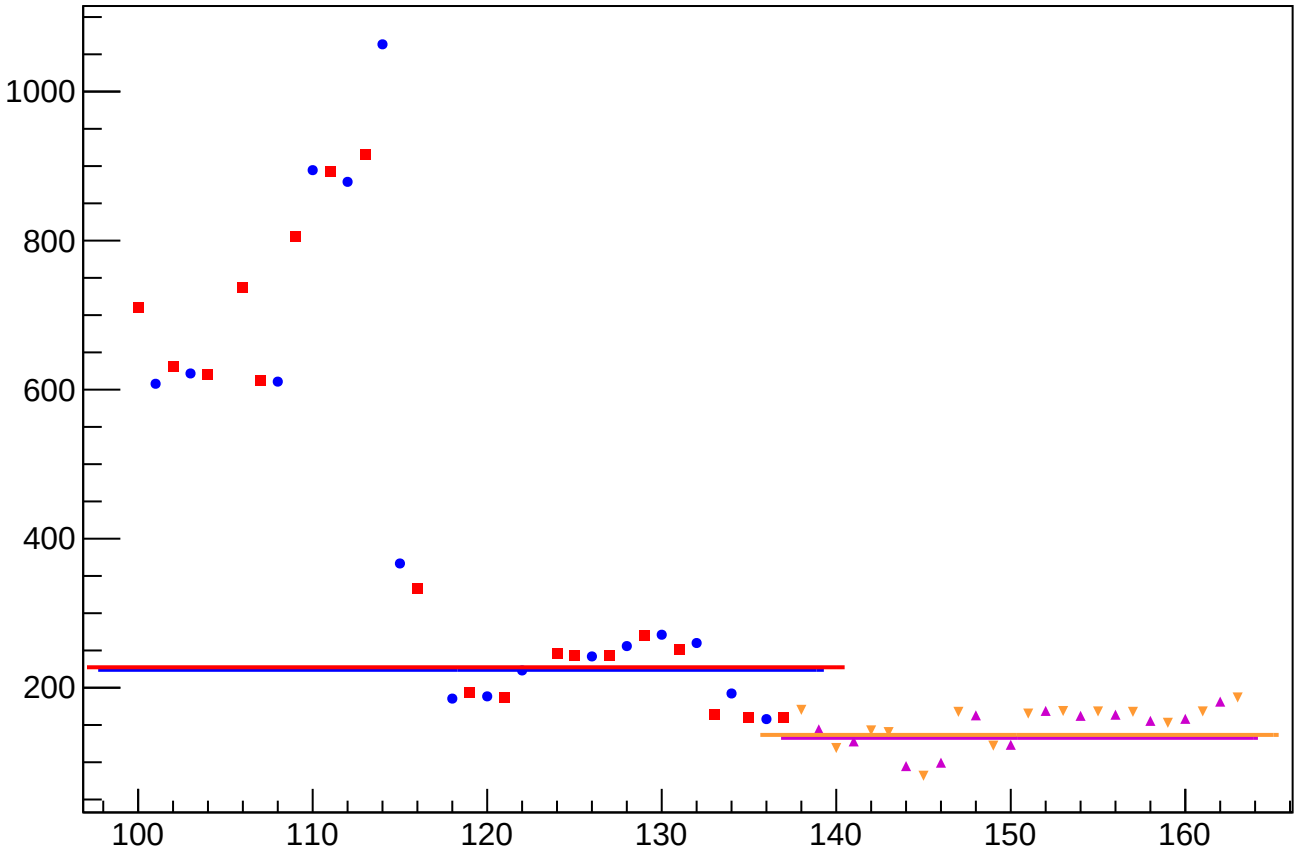
Left: -58.939+/-30.013 χ^2/NDF: 36.7/25

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 49.606+/-38.755 χ^2/NDF:22.7/27

Out: -121.853+/-38.706 χ^2/NDF:35.5/32

All: -36.232+/-27.386 χ^2/NDF: 68.0/60



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313298.9/13

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 132.777+/-0.030 χ^2/NDF:934302.6/11

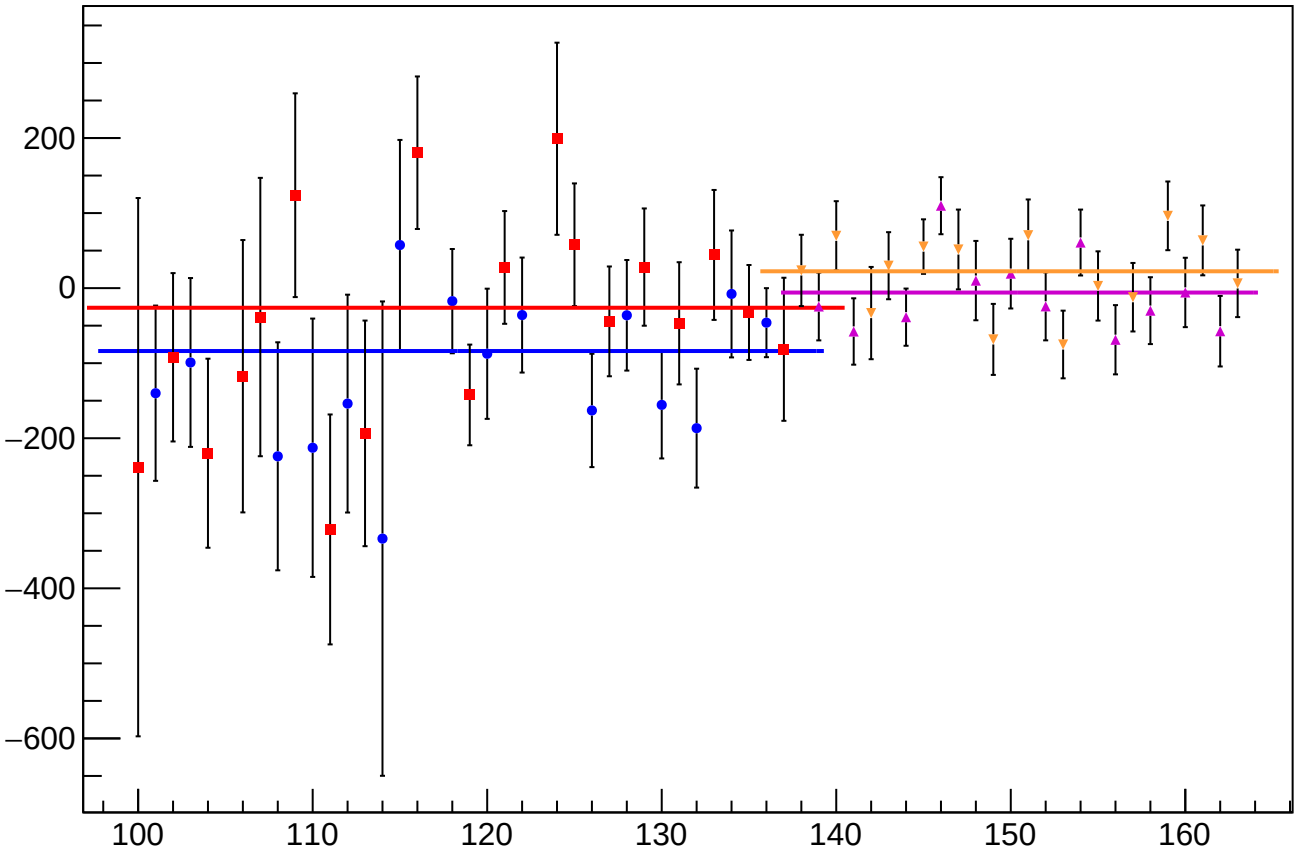
Left: 134.749+/-0.021 χ^2/NDF: 2256120.8/25

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 148.436+/-0.027 χ^2/NDF:5478800.8/27

Out: 151.500+/-0.027 χ^2/NDF:6455014.1/32

All: 149.970+/-0.019 χ^2/NDF: 11940072.5/60



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -5.892+/-12.799 χ^2/NDF:17.8/11

Left: 8.776+/-8.889 χ^2/NDF: 37.0/25

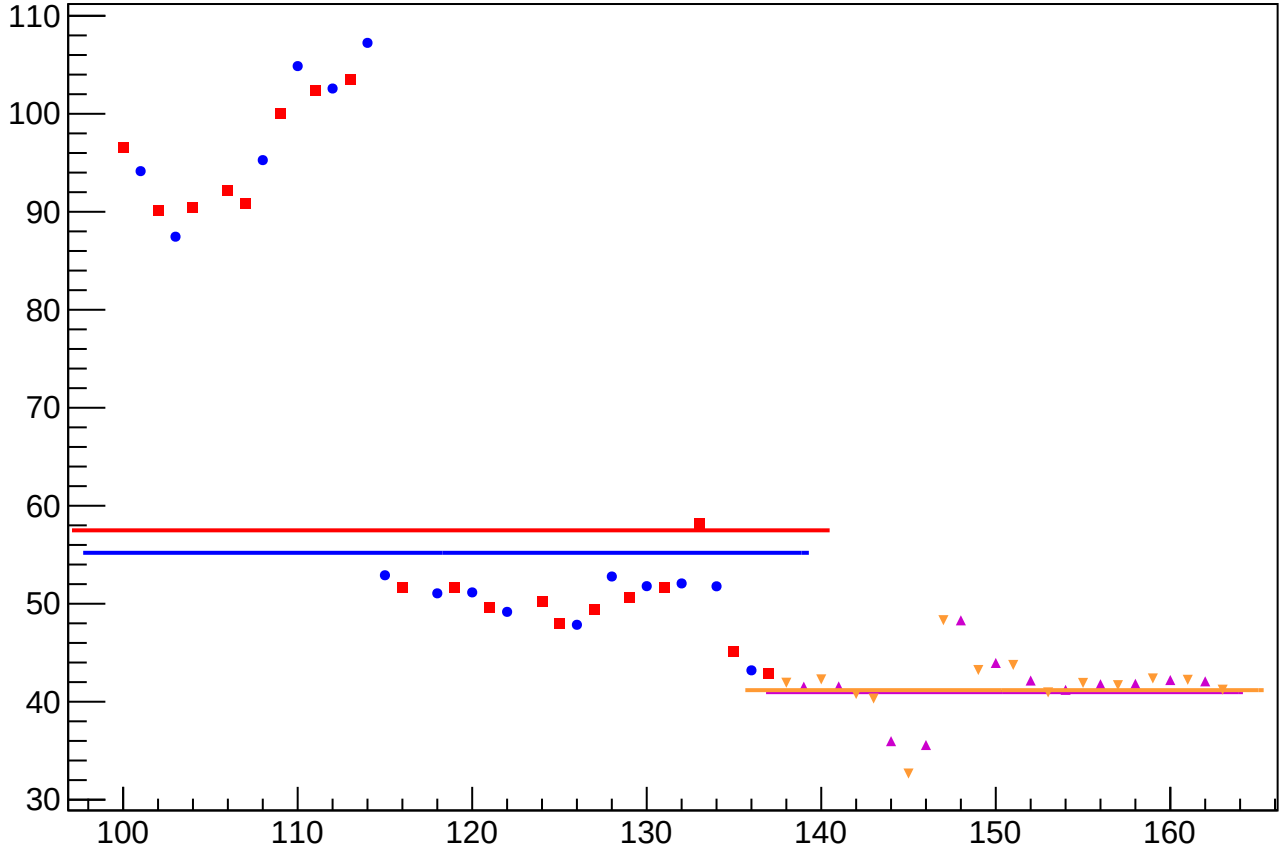
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -26.372+/-10.989 χ^2/NDF:38.0/27

Out: 10.850+/-10.780 χ^2/NDF:43.3/32

All: -7.404+/-7.696 χ^2/NDF: 87.2/60

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: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.976+/-0.009 χ^2/NDF:127395.9/11

Left: 41.082+/-0.006 χ^2/NDF: 288727.1/25

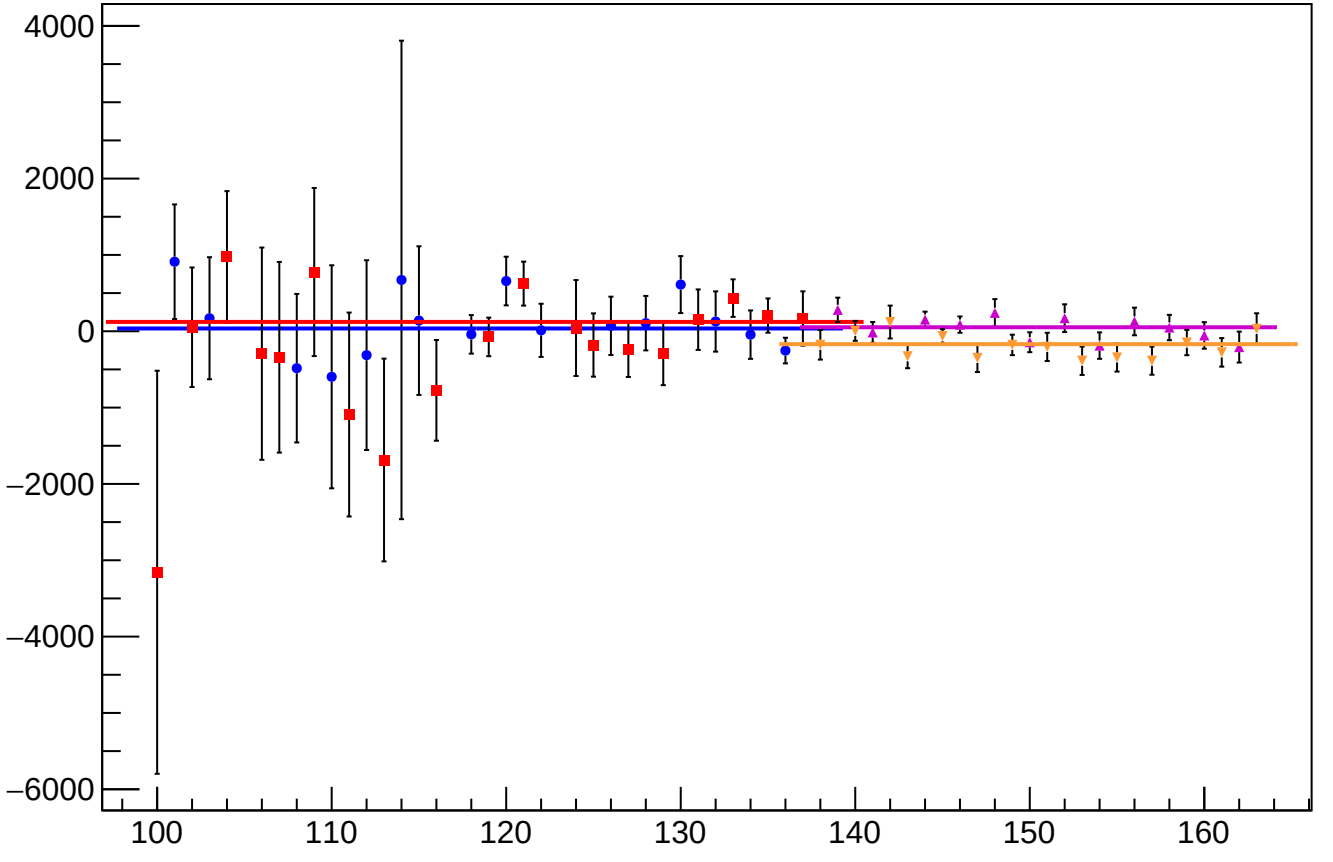
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.715+/-0.008 χ^2/NDF:1928963.0/27

Out: 45.072+/-0.008 χ^2/NDF:2267161.5/32

All: 44.897+/-0.005 χ^2/NDF: 4197204.5/60

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.834+/-42.310 χ^2/NDF:11.9/13

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 52.356+/-42.579 χ^2/NDF:11.2/11

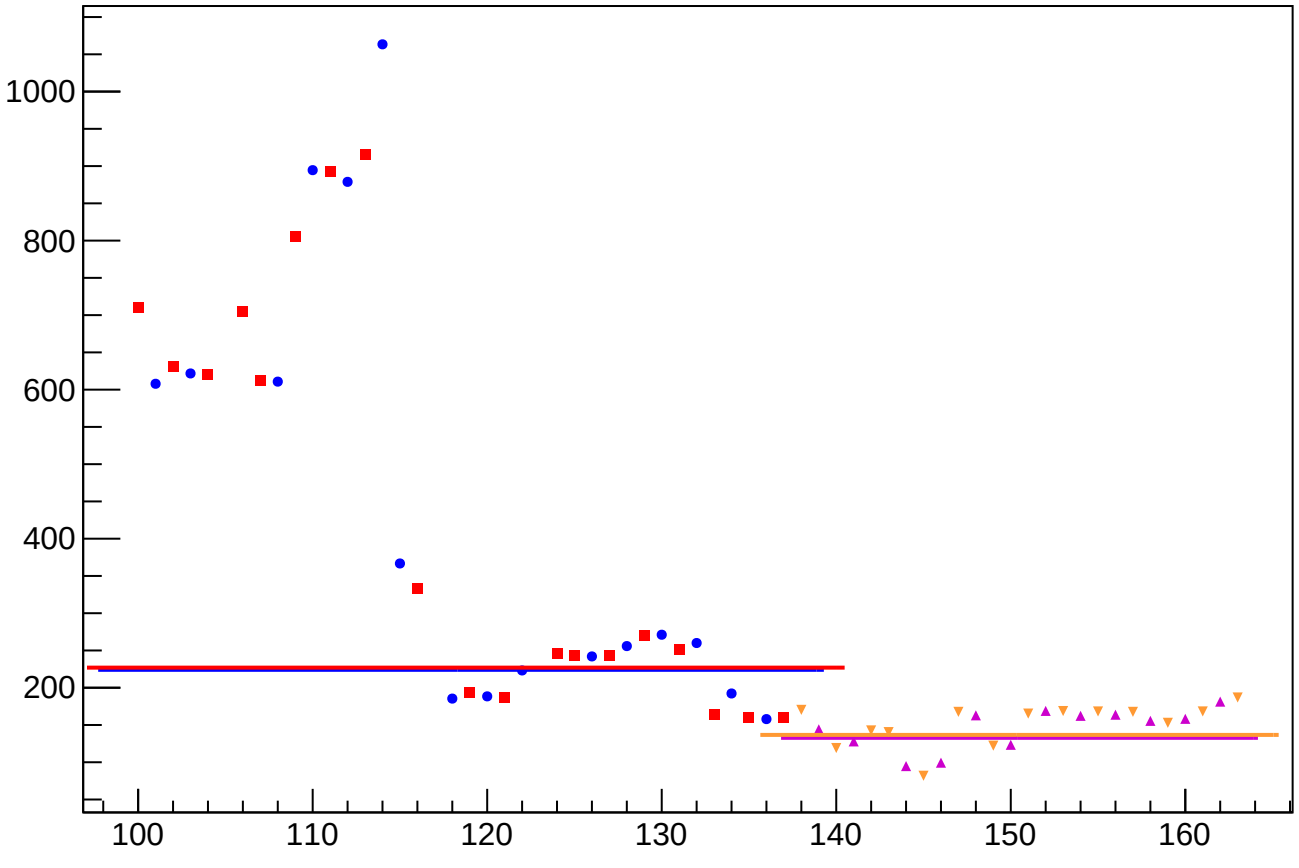
Left: -58.940+/-30.013 χ^2/NDF: 36.7/25

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 49.605+/-38.755 χ^2/NDF:22.7/27

Out: -121.371+/-38.708 χ^2/NDF:35.2/32

All: -35.987+/-27.387 χ^2/NDF: 67.6/60



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 132.777+/-0.030 χ^2/NDF:934307.0/11

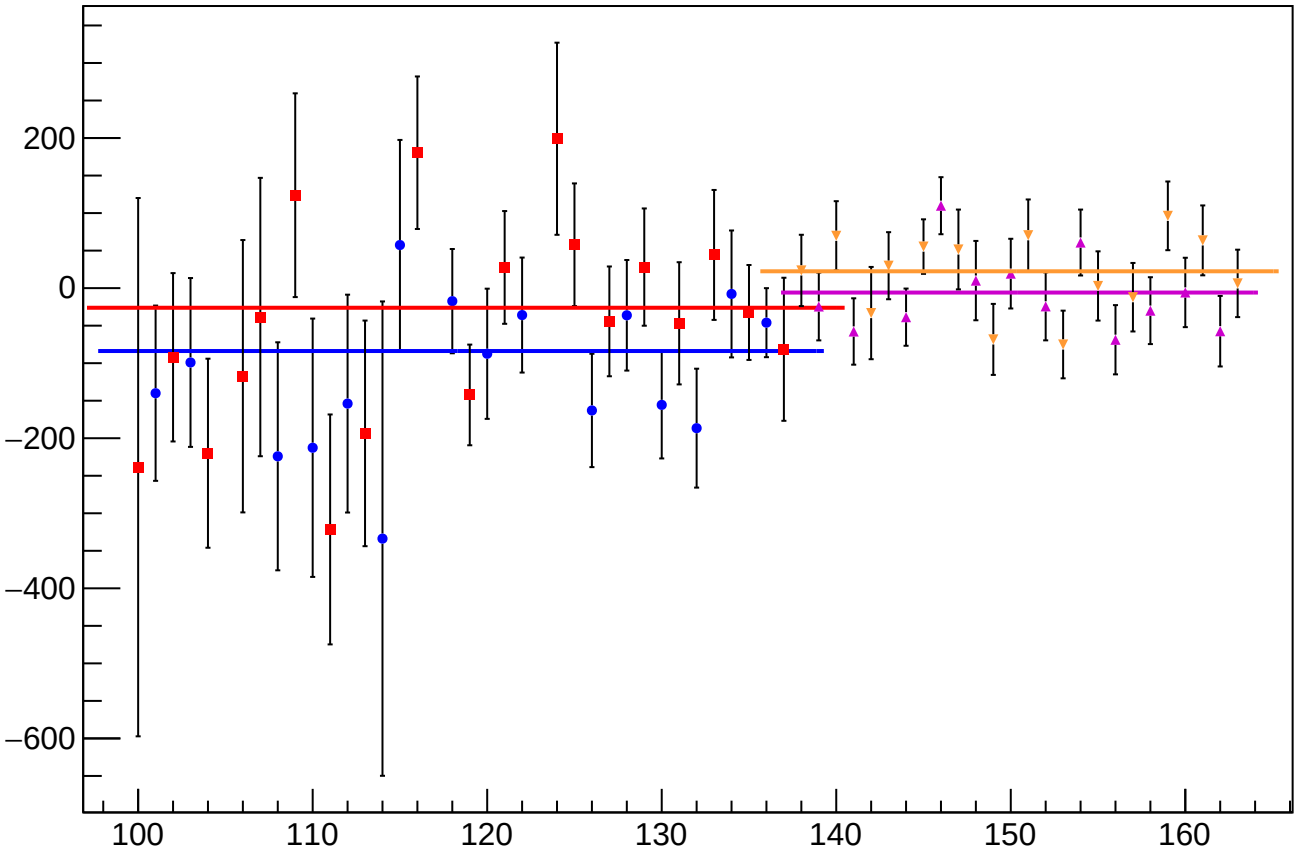
Left: 134.749+/-0.021 χ^2/NDF: 2256128.9/25

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 148.436+/-0.027 χ^2/NDF:5478817.4/27

Out: 151.413+/-0.027 χ^2/NDF:6369687.0/32

All: 149.926+/-0.019 χ^2/NDF: 11854414.5/60



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 22.443+/-12.355 χ^2/NDF:16.7/13

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: -5.892+/-12.799 χ^2/NDF:17.8/11

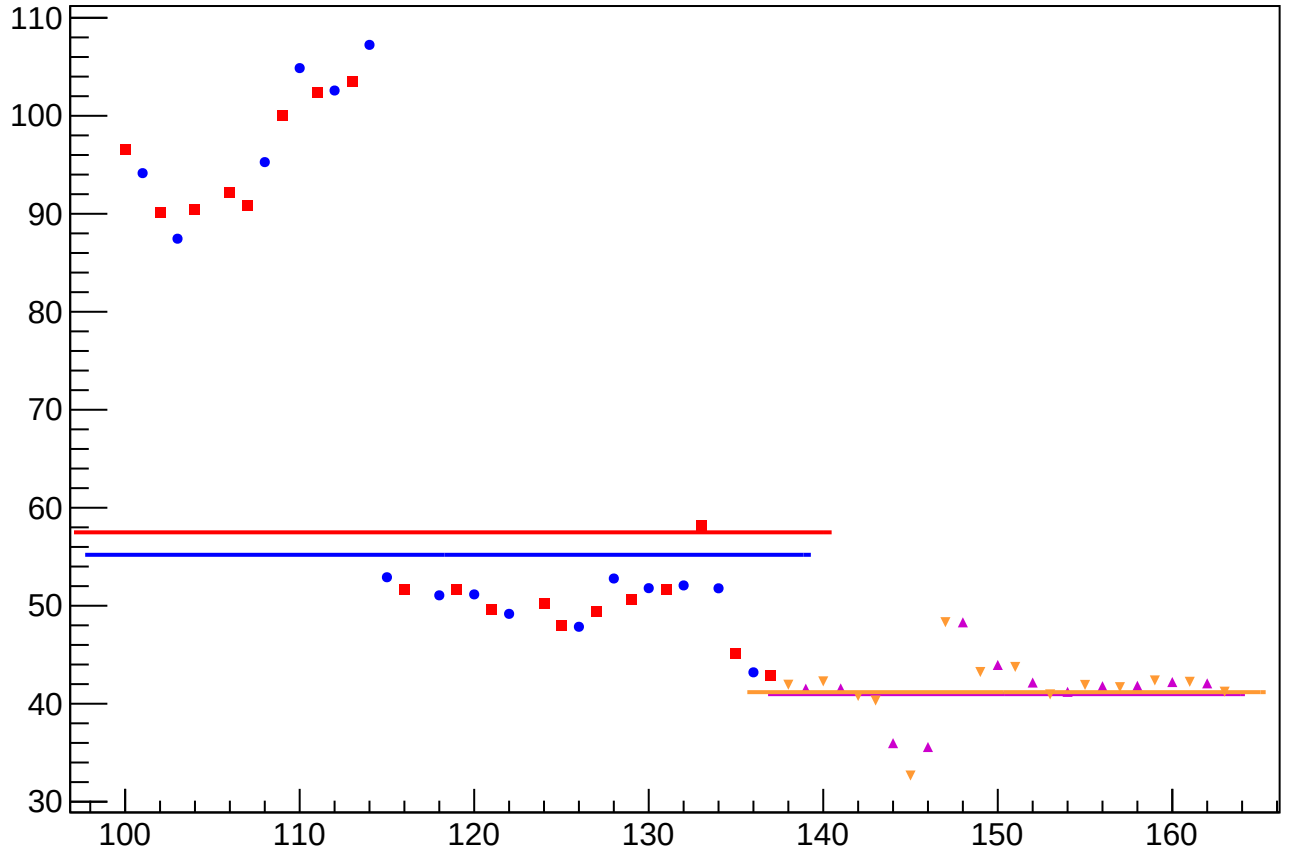
Left: 8.776+/-8.889 χ^2/NDF: 37.0/25

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -26.372+/-10.989 χ^2/NDF:38.0/27

Out: 10.850+/-10.780 χ^2/NDF:43.3/32

All: -7.404+/-7.696 χ^2/NDF: 87.2/60



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 41.180+/-0.009 χ^2/NDF:161068.4/13

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.976+/-0.009 χ^2/NDF:127395.9/11

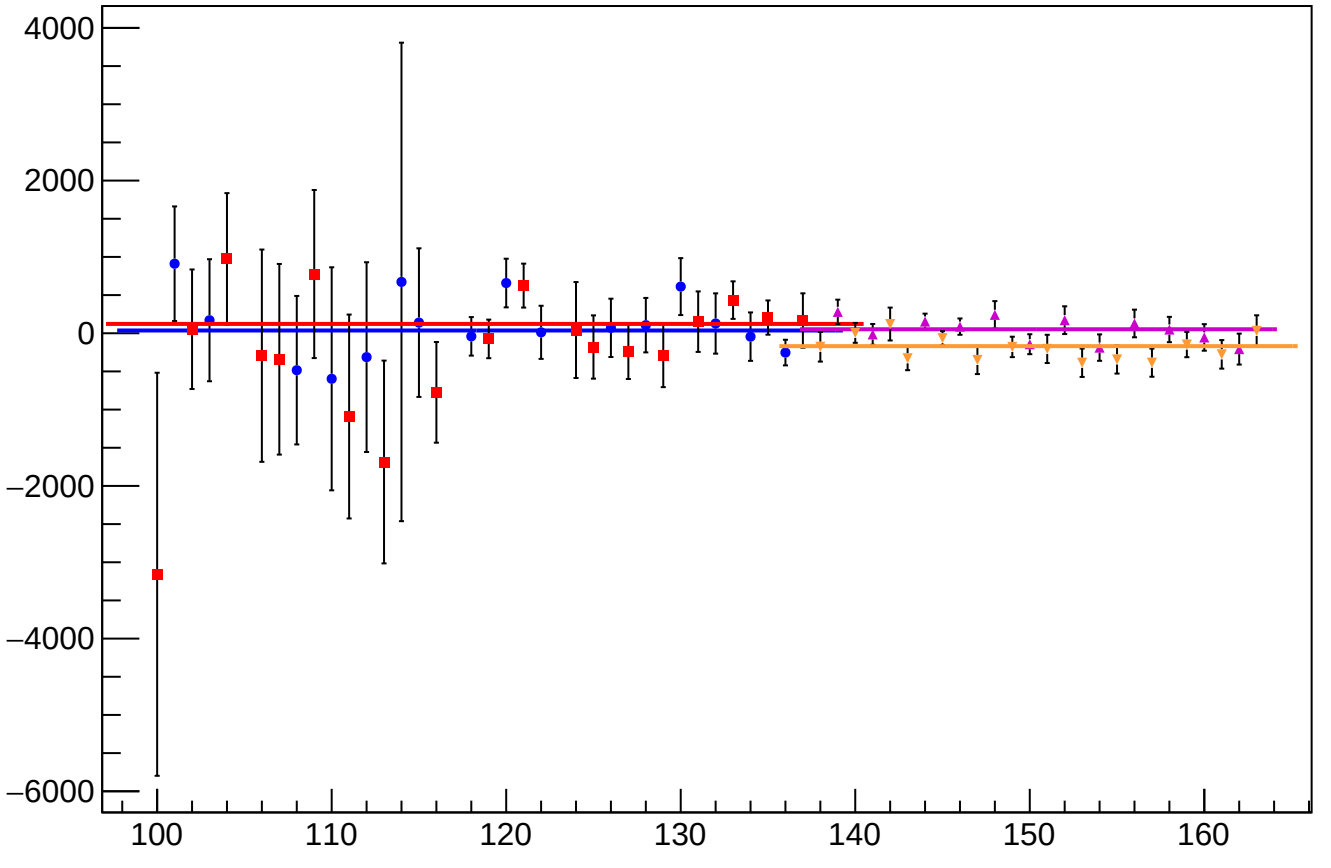
Left: 41.082+/-0.006 χ^2/NDF: 288727.1/25

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 44.715+/-0.008 χ^2/NDF:1928963.0/27

Out: 45.072+/-0.008 χ^2/NDF:2267161.5/32

All: 44.897+/-0.005 χ^2/NDF: 4197204.5/60



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -168.834+/-42.310 χ^2/NDF:11.9/13

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 52.356+/-42.579 χ^2/NDF:11.2/11

Left: -58.940+/-30.013 χ^2/NDF: 36.7/25

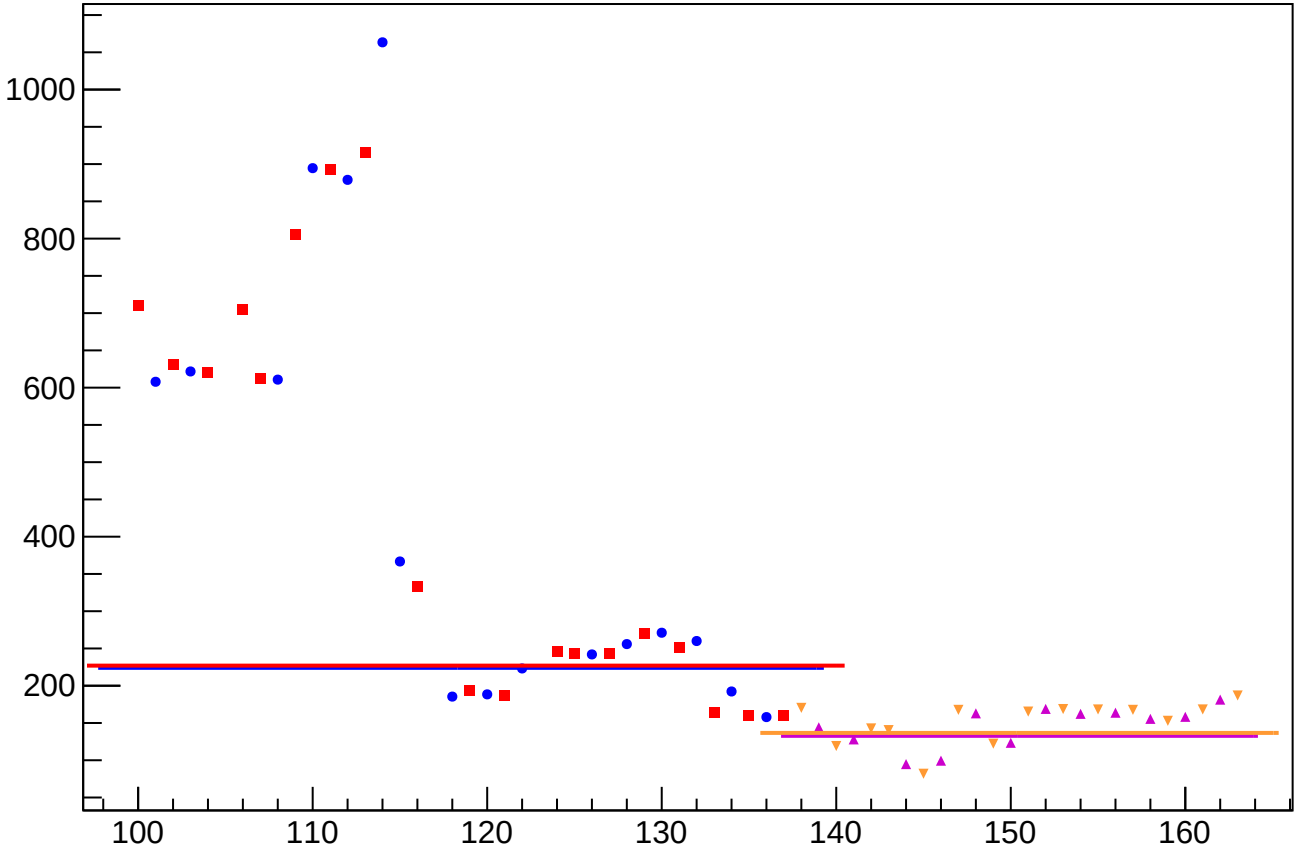
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 49.605+/-38.755 χ^2/NDF:22.7/27

Out: -121.371+/-38.708 χ^2/NDF:35.2/32

All: -35.987+/-27.387 χ^2/NDF: 67.6/60

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: 136.695+/-0.030 χ^2/NDF:1313302.0/13

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 132.777+/-0.030 χ^2/NDF:934307.0/11

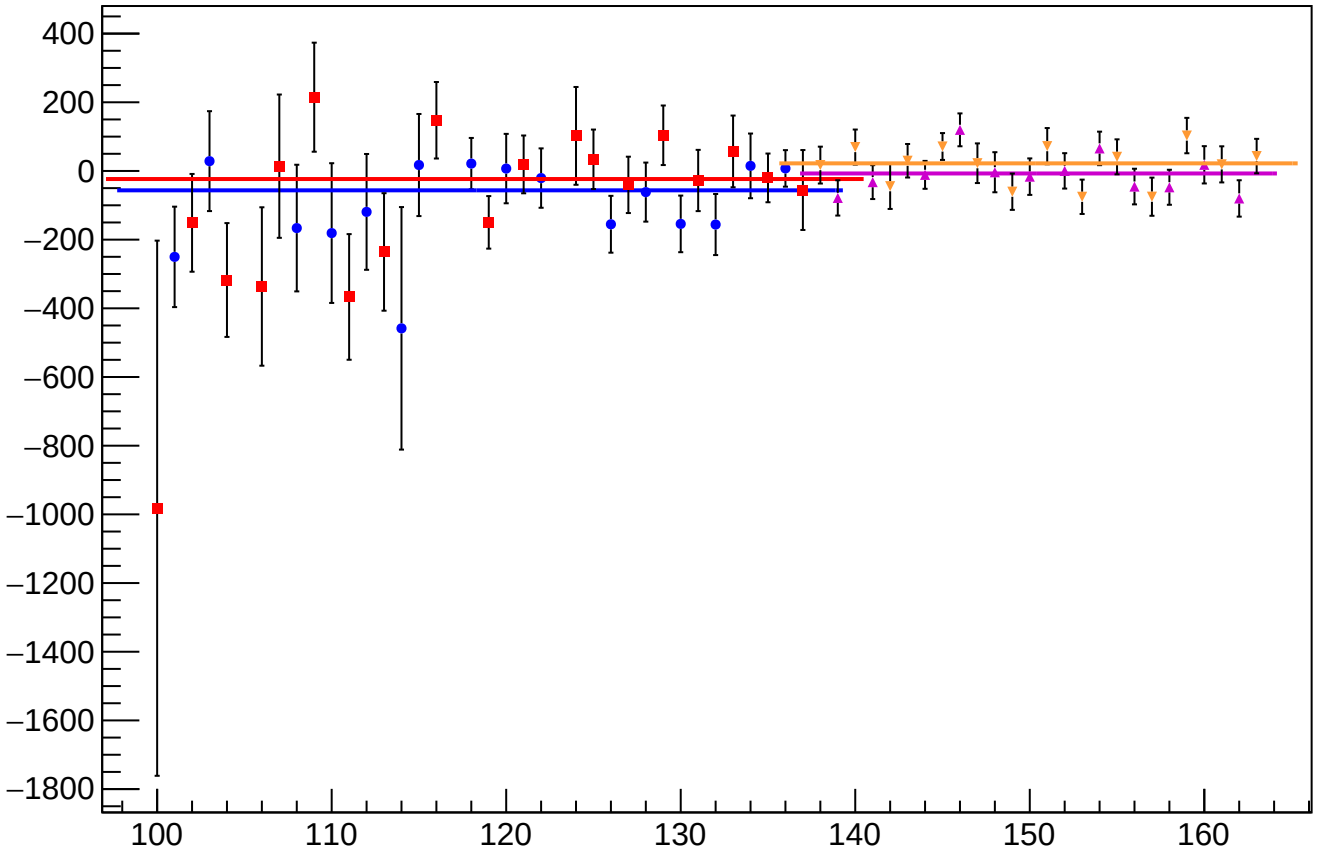
Left: 134.749+/-0.021 χ^2/NDF: 2256128.9/25

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 148.436+/-0.027 χ^2/NDF:5478817.4/27

Out: 151.413+/-0.027 χ^2/NDF:6369687.0/32

All: 149.926+/-0.019 χ^2/NDF: 11854414.5/60



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 22.136+/-13.743 χ^2/NDF:16.5/13

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -7.289+/-14.545 χ^2/NDF:14.8/11

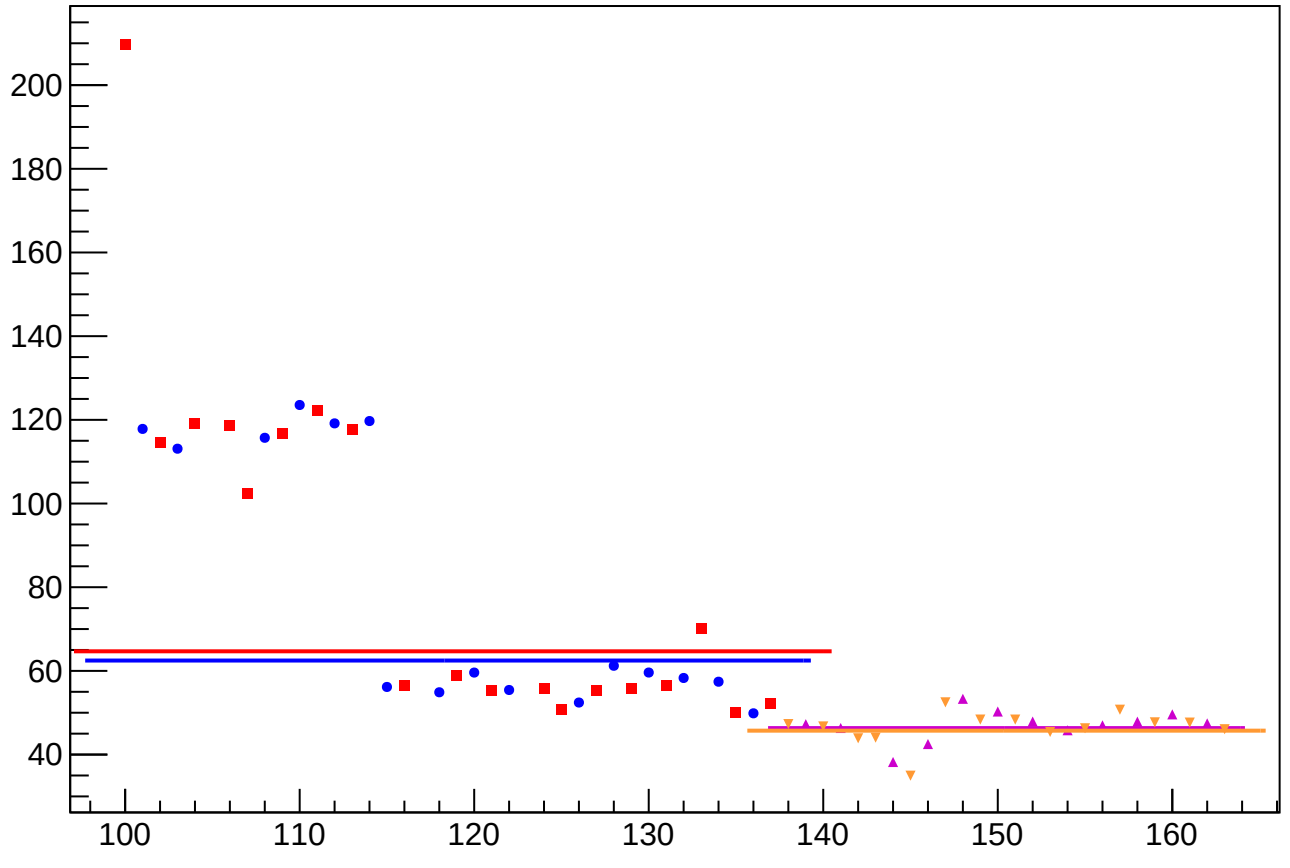
Left: 8.257+/-9.989 χ^2/NDF: 33.4/25

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -20.099+/-12.505 χ^2/NDF:30.0/27

Out: 11.651+/-12.061 χ^2/NDF:43.1/32

All: -3.650+/-8.681 χ^2/NDF: 76.4/60



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 45.716+/-0.010 χ^2/NDF:217811.4/13

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 46.326+/-0.010 χ^2/NDF:145212.4/11

Left: 46.003+/-0.007 χ^2/NDF: 364884.8/25

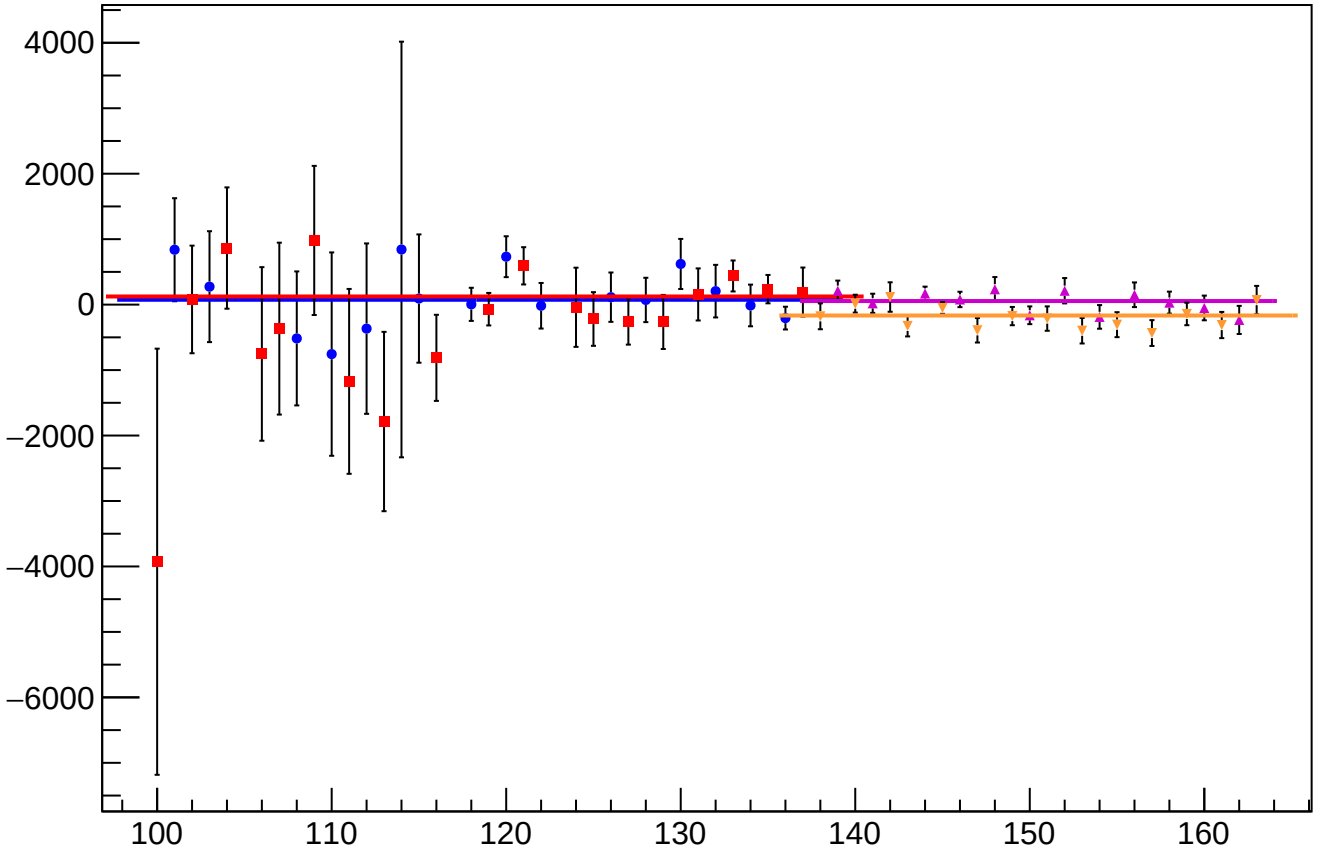
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 50.537+/-0.009 χ^2/NDF:2136310.6/27

Out: 50.073+/-0.009 χ^2/NDF:2683441.1/32

All: 50.297+/-0.006 χ^2/NDF: 4821174.9/60

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: -166.168+/-43.436 χ^2/NDF:13.0/13

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 54.750+/-44.451 χ^2/NDF:10.7/11

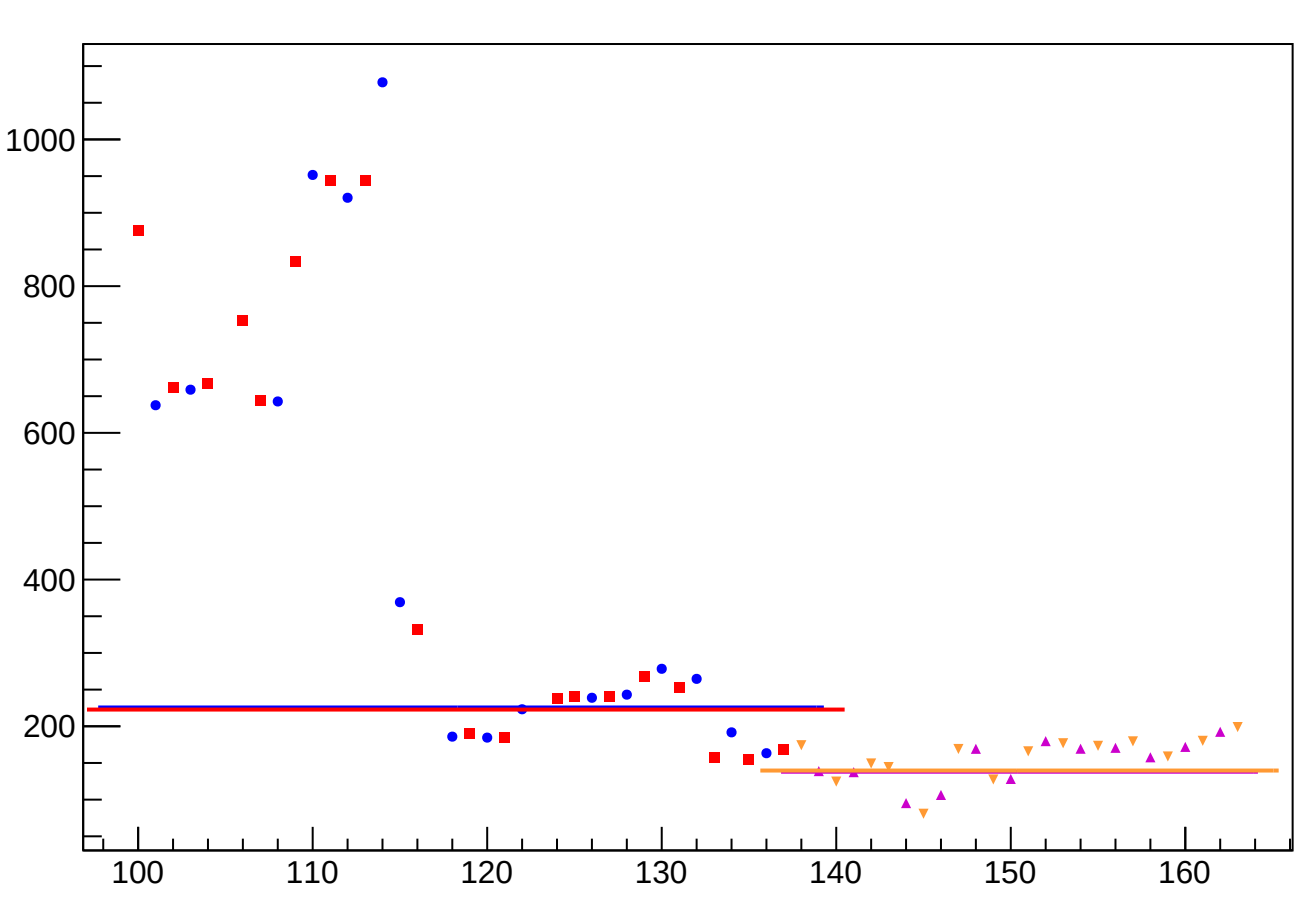
Left: -58.259+/-31.067 χ^2/NDF: 36.4/25

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 58.291+/-40.222 χ^2/NDF:22.0/27

Out: -115.668+/-39.479 χ^2/NDF:37.2/32

All: -30.311+/-28.175 χ^2/NDF: 68.6/60



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 139.666+/-0.031 χ^2/NDF:1523739.1/13

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 138.047+/-0.031 χ^2/NDF:978676.0/11

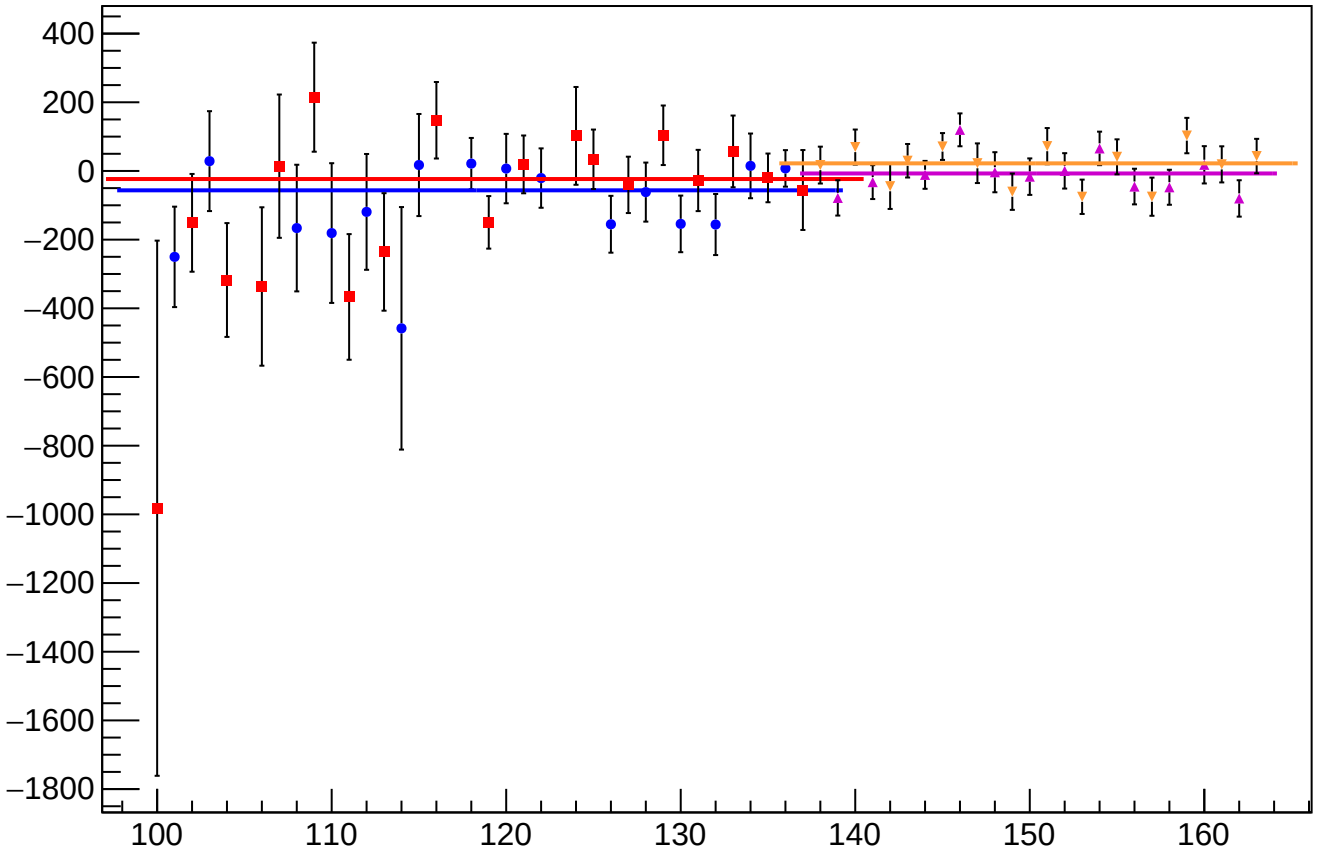
Left: 138.875+/-0.022 χ^2/NDF: 2503772.9/25

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 153.914+/-0.028 χ^2/NDF:5411062.8/27

Out: 154.122+/-0.028 χ^2/NDF:6645633.2/32

All: 154.020+/-0.020 χ^2/NDF: 12056723.4/60



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 22.137+/-13.743 χ^2/NDF:16.5/13

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -7.289+/-14.545 χ^2/NDF:14.8/11

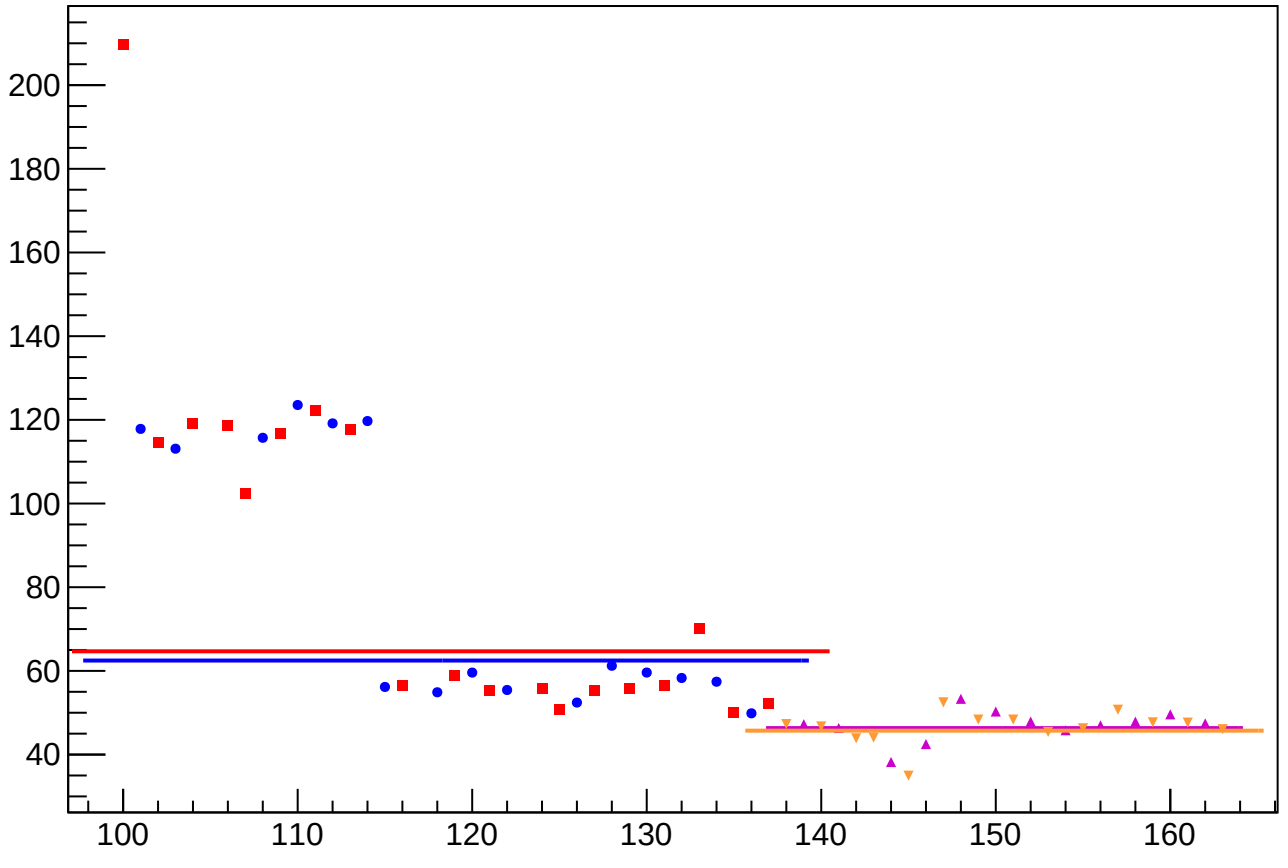
Left: 8.257+/-9.989 χ^2/NDF: 33.4/25

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -20.099+/-12.505 χ^2/NDF:30.0/27

Out: 11.650+/-12.061 χ^2/NDF:43.1/32

All: -3.650+/-8.681 χ^2/NDF: 76.4/60



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 45.716+/-0.010 χ^2/NDF:217816.3/13

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 46.326+/-0.010 χ^2/NDF:145213.5/11

Left: 46.004+/-0.007 χ^2/NDF: 364890.7/25

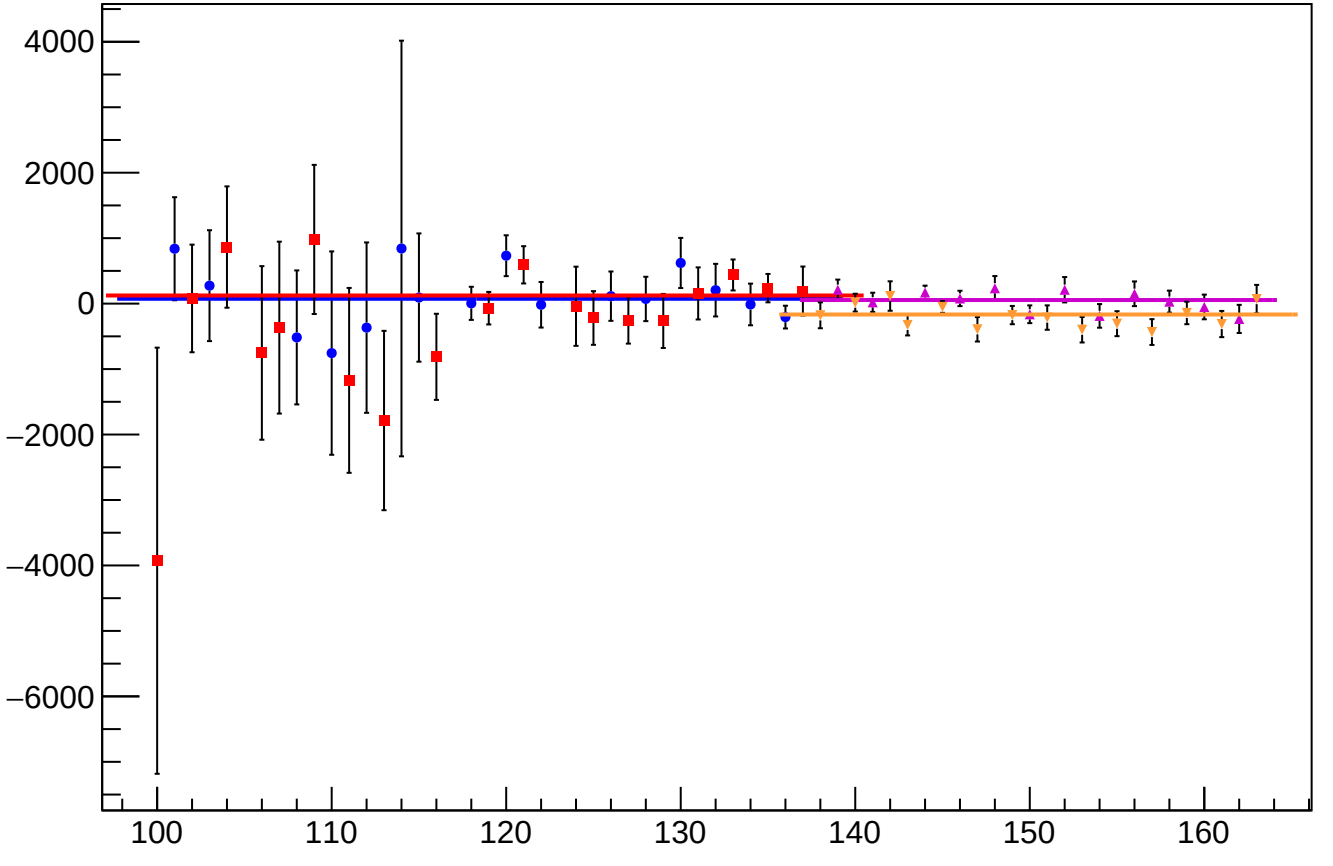
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 50.537+/-0.009 χ^2/NDF:2136250.9/27

Out: 50.073+/-0.009 χ^2/NDF:2683395.6/32

All: 50.297+/-0.006 χ^2/NDF: 4821069.3/60

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -166.168+/-43.436 χ^2/NDF:13.0/13

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 54.750+/-44.451 χ^2/NDF:10.7/11

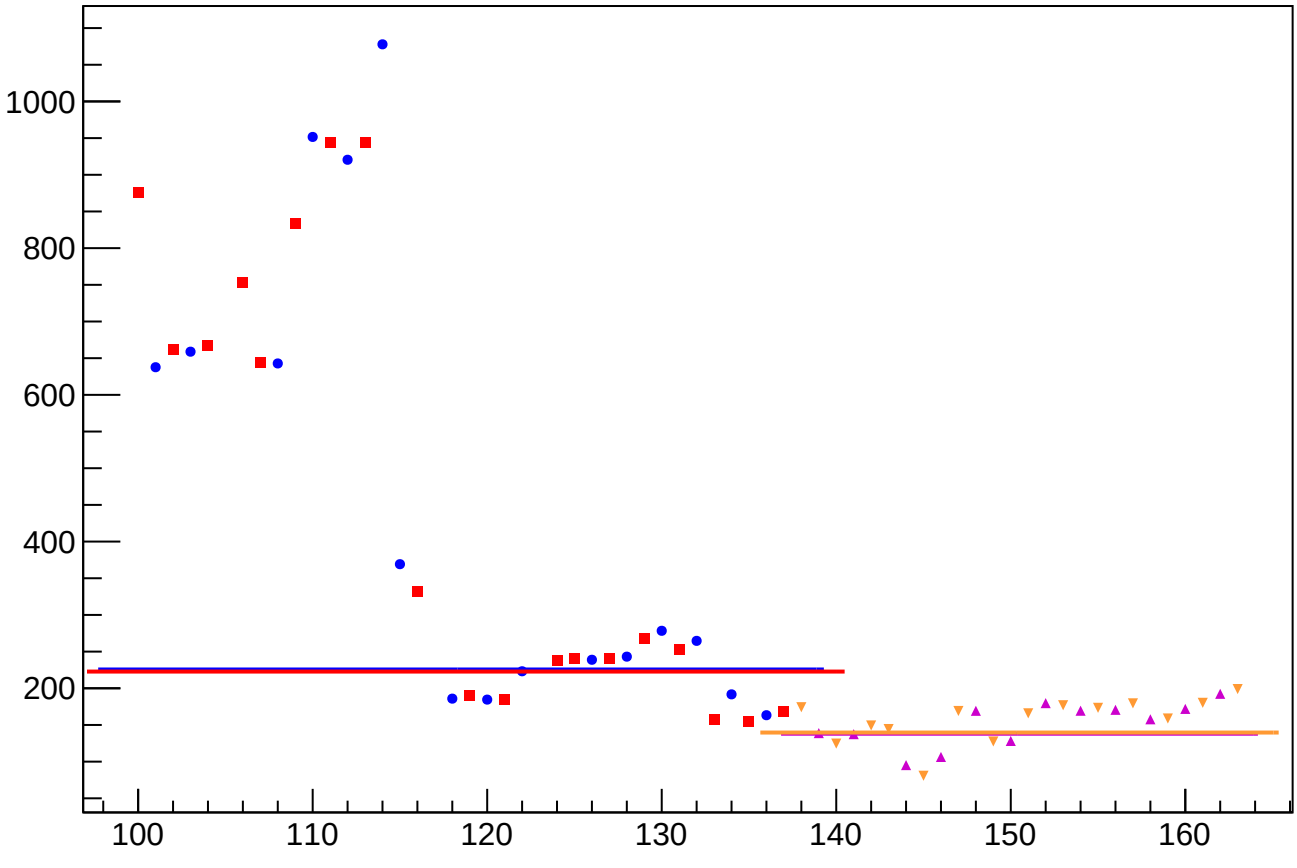
Left: -58.258+/-31.067 χ^2/NDF: 36.4/25

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 58.292+/-40.223 χ^2/NDF:22.0/27

Out: -115.668+/-39.479 χ^2/NDF:37.2/32

All: -30.311+/-28.175 χ^2/NDF: 68.6/60



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 139.667+/-0.031 χ^2/NDF:1523725.5/13

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 138.047+/-0.031 χ^2/NDF:978675.2/11

Left: 138.876+/-0.022 χ^2/NDF: 2503758.7/25

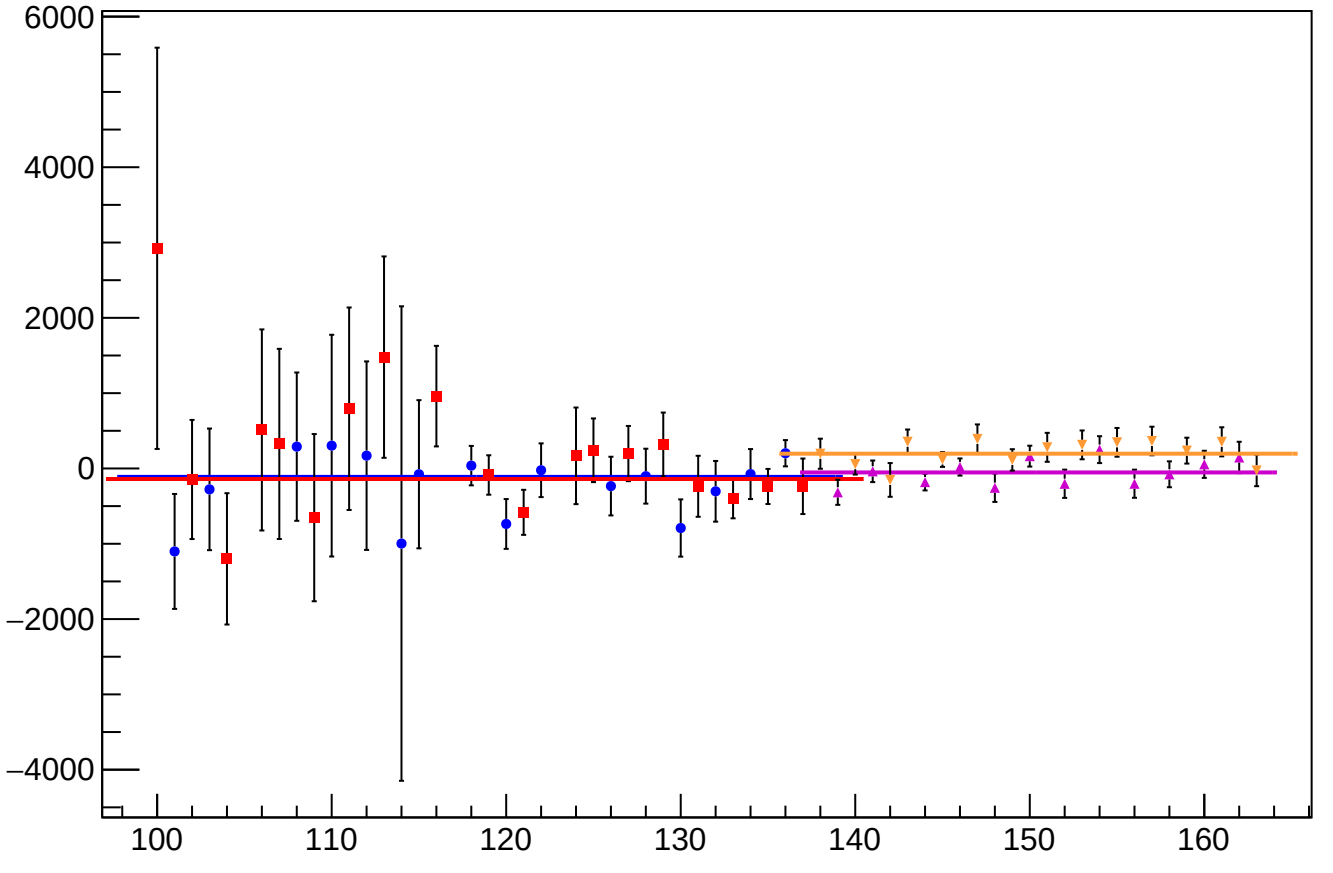
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 153.914+/-0.028 χ^2/NDF:5411040.9/27

Out: 154.123+/-0.028 χ^2/NDF:6645598.3/32

All: 154.020+/-0.020 χ^2/NDF: 12056666.7/60

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 196.102+/-44.385 χ^2/NDF:10.2/13

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -52.879+/-44.733 χ^2/NDF:13.3/11

Left: 72.584+/-31.507 χ^2/NDF: 39.1/25

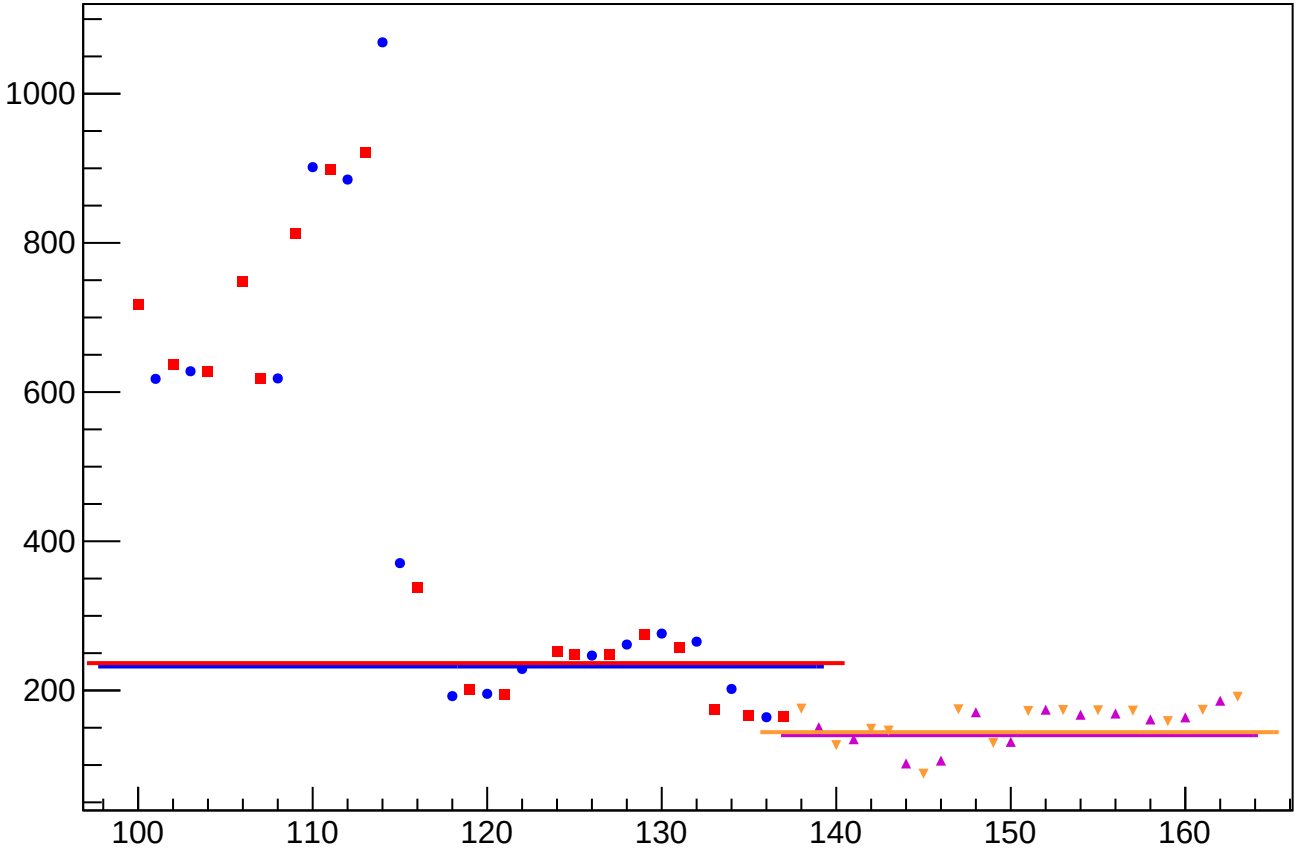
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -63.312+/-40.588 χ^2/NDF:26.4/27

Out: 140.020+/-40.512 χ^2/NDF:34.4/32

All: 38.544+/-28.673 χ^2/NDF: 73.4/60

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 144.082+/-0.031 χ^2/NDF:1141383.6/13

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 140.061+/-0.032 χ^2/NDF:811479.2/11

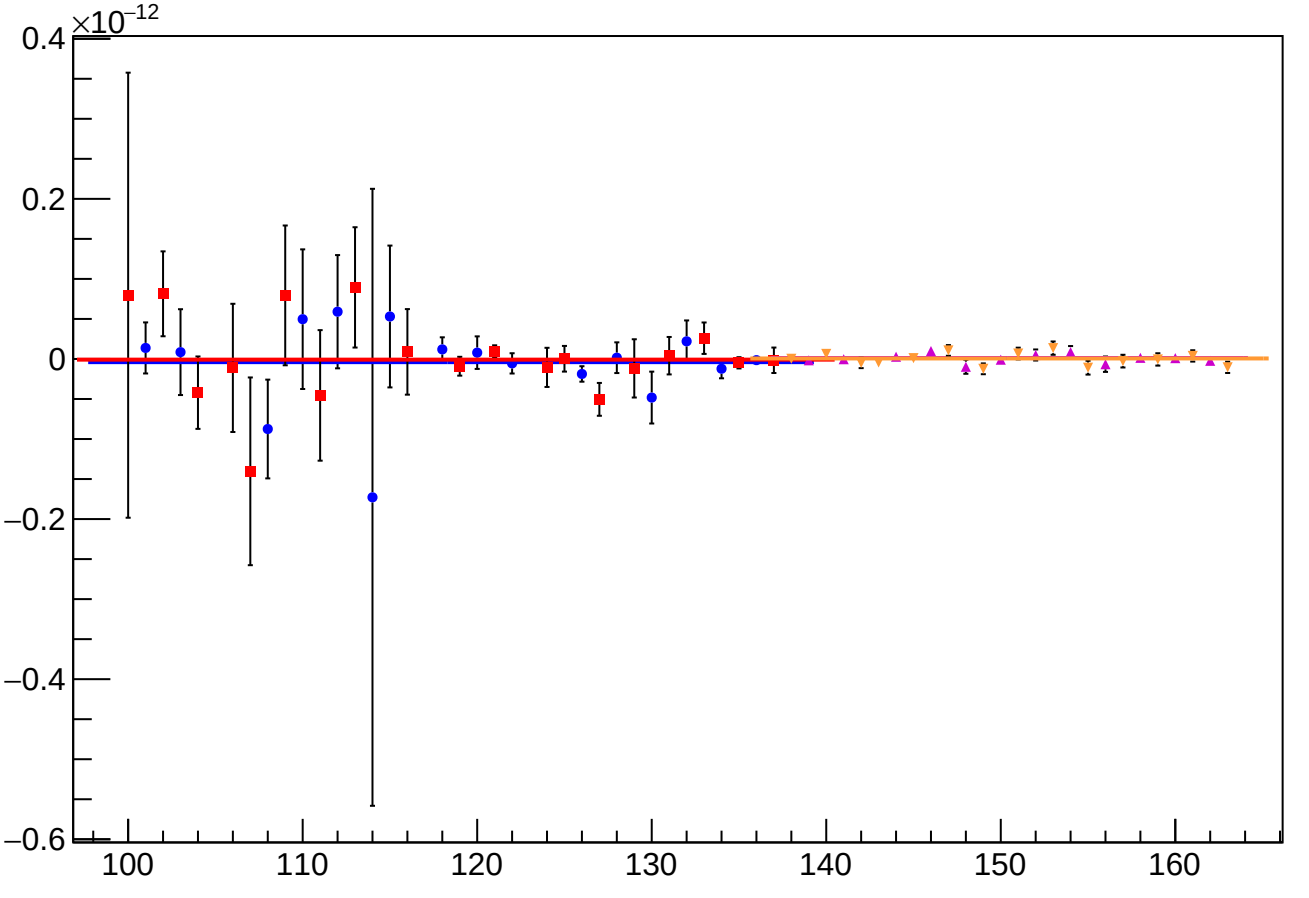
Left: 142.087+/-0.022 χ^2/NDF: 1961004.2/25

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 156.328+/-0.029 χ^2/NDF:5193473.1/27

Out: 159.528+/-0.029 χ^2/NDF:6113998.6/32

All: 157.931+/-0.020 χ^2/NDF: 11313701.4/60



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/13

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:6.8/11

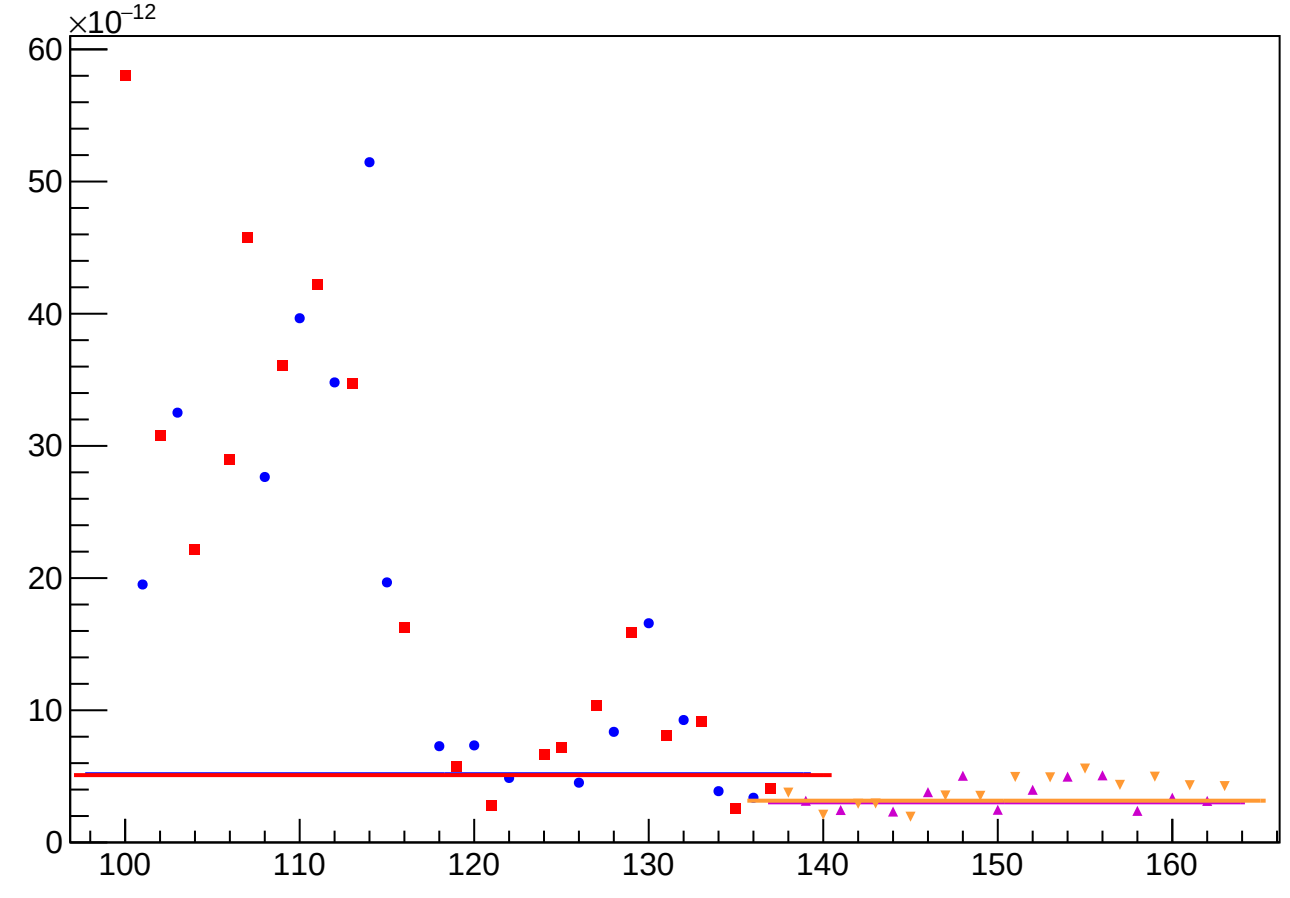
Left: 0.000+/-0.000 χ^2/NDF: 24.8/25

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:19.9/27

Out: 0.000+/-0.000 χ^2/NDF:36.1/32

All: 0.000+/-0.000 χ^2/NDF: 56.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1138566.8/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:590835.3/11

Left: 0.000+/-0.000 χ^2/NDF: 1735912.9/25

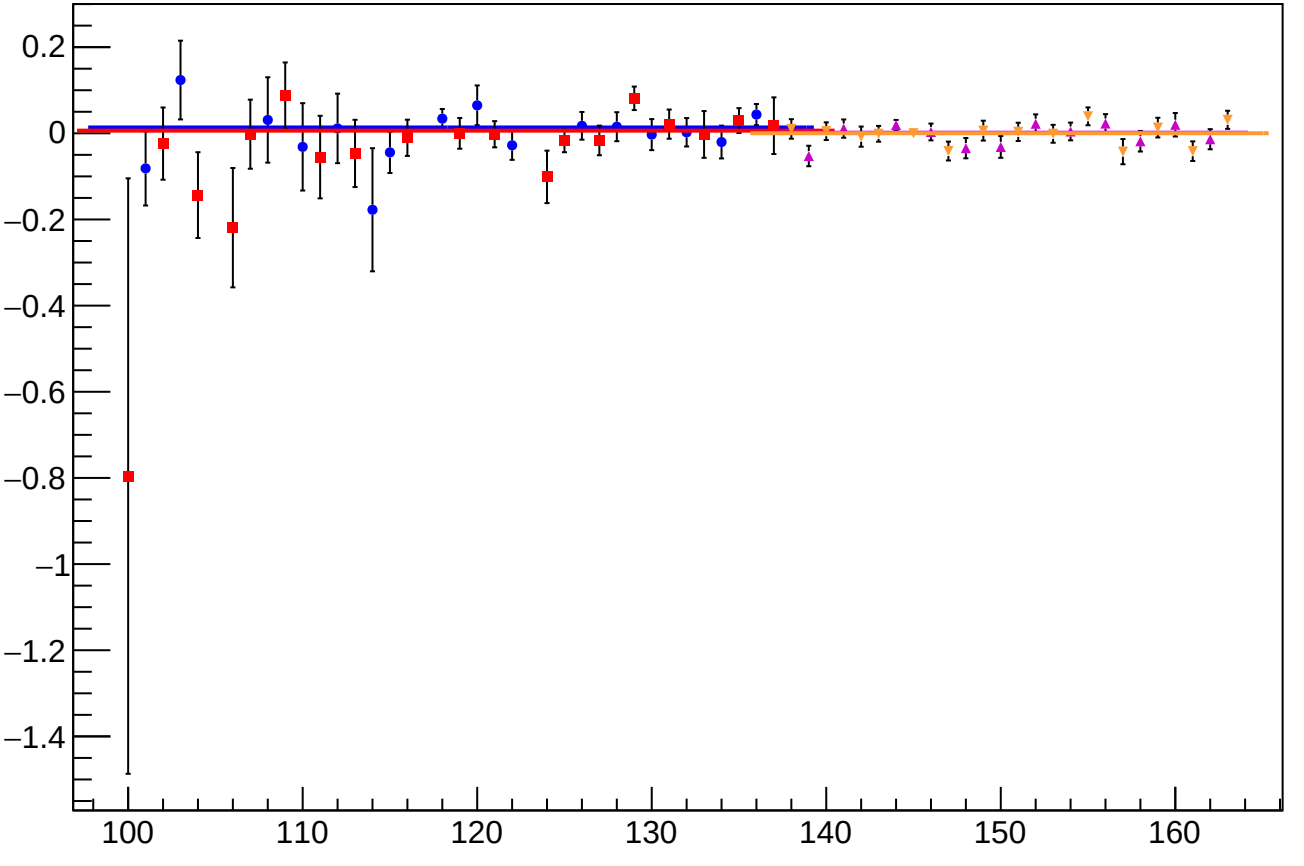
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3779102.3/27

Out: 0.000+/-0.000 χ^2/NDF:4792260.0/32

All: 0.000+/-0.000 χ^2/NDF: 8572616.9/60

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.006 χ^2/NDF:15.1/11

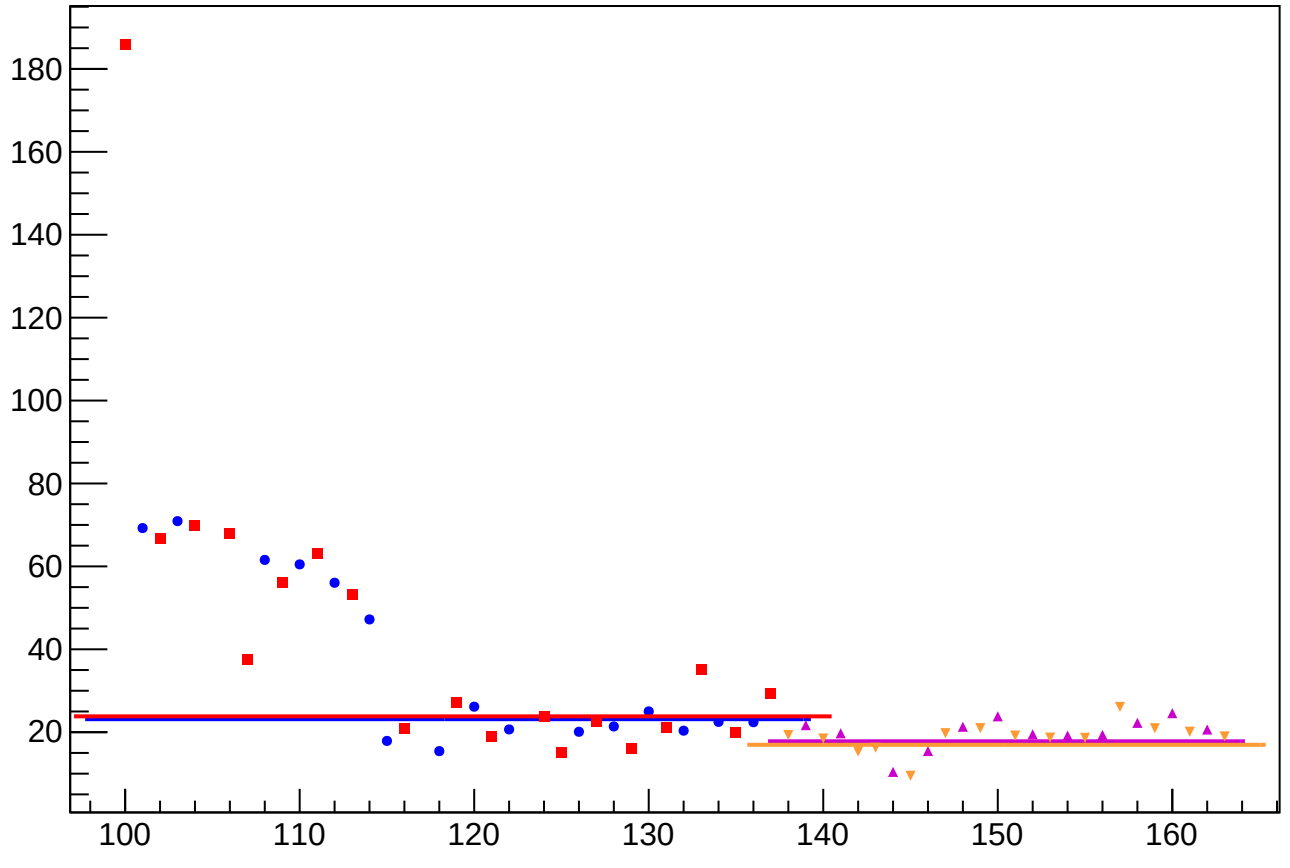
Left: 0.001+/-0.004 χ^2/NDF: 30.8/25

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.6/27

Out: 0.001+/-0.005 χ^2/NDF:37.4/32

All: 0.003+/-0.003 χ^2/NDF: 66.2/60



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.959+/-0.004 χ^2/NDF:1374170.4/13

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.807+/-0.004 χ^2/NDF:1293758.8/11

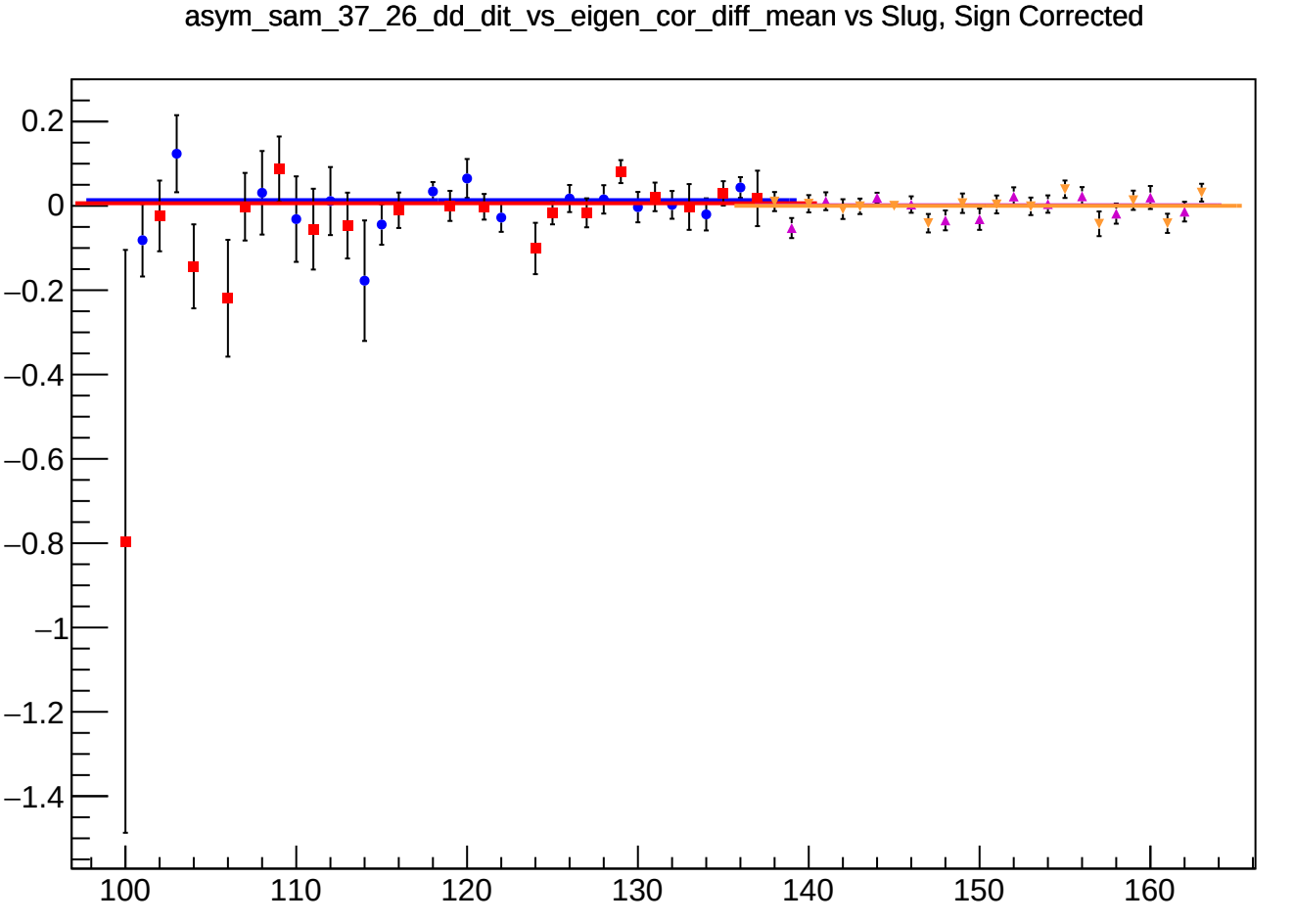
Left: 17.341+/-0.003 χ^2/NDF: 2690612.9/25

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

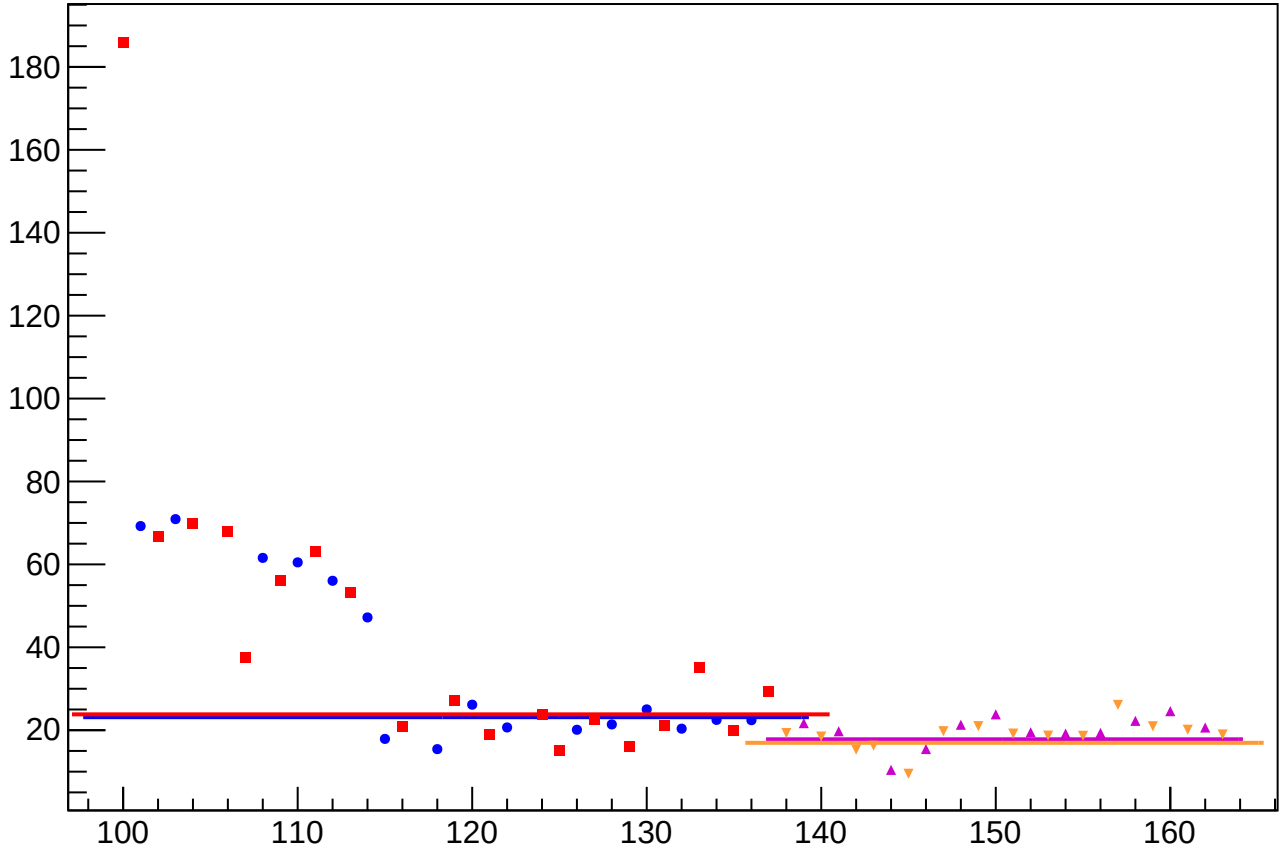
In: 19.219+/-0.004 χ^2/NDF:4132480.8/27

Out: 18.467+/-0.003 χ^2/NDF:4998958.5/32

All: 18.816+/-0.002 χ^2/NDF: 9155076.9/60


asym_sam_37_26_dd_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
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.005 χ²/NDF:15.6/13
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.001+/-0.006 χ²/NDF:15.1/11
Left: 0.001+/-0.004 χ²/NDF: 30.8/25
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.005+/-0.005 χ²/NDF:28.6/27
Out: 0.001+/-0.005 χ²/NDF:37.4/32
All: 0.003+/-0.003 χ²/NDF: 66.2/60

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 16.959+/-0.004 χ^2/NDF:1374170.4/13

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 17.807+/-0.004 χ^2/NDF:1293758.8/11

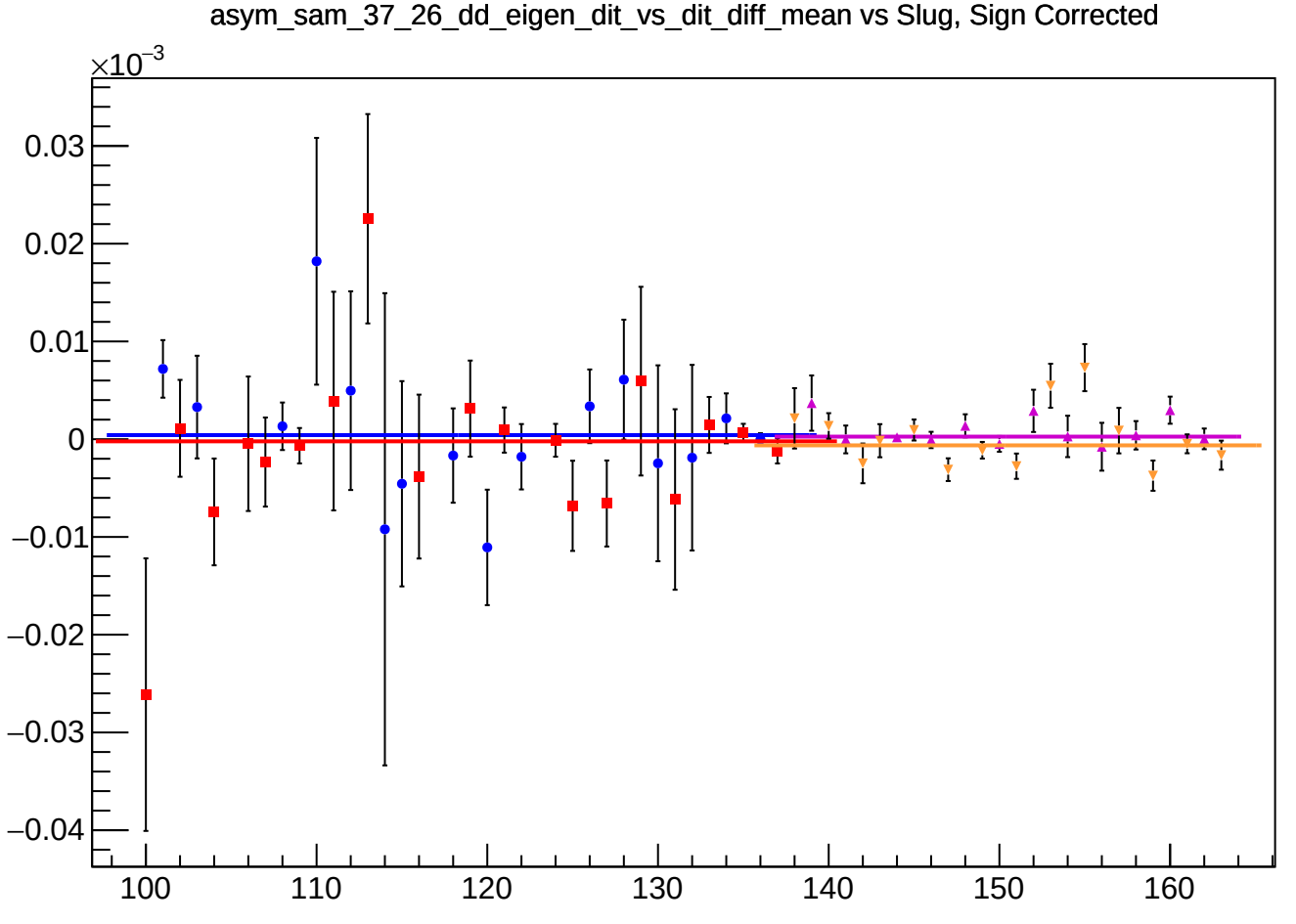
Left: 17.341+/-0.003 χ^2/NDF: 2690612.9/25

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 19.219+/-0.004 χ^2/NDF:4132480.8/27

Out: 18.467+/-0.003 χ^2/NDF:4998958.5/32

All: 18.816+/-0.002 χ^2/NDF: 9155076.9/60



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/13

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.0/11

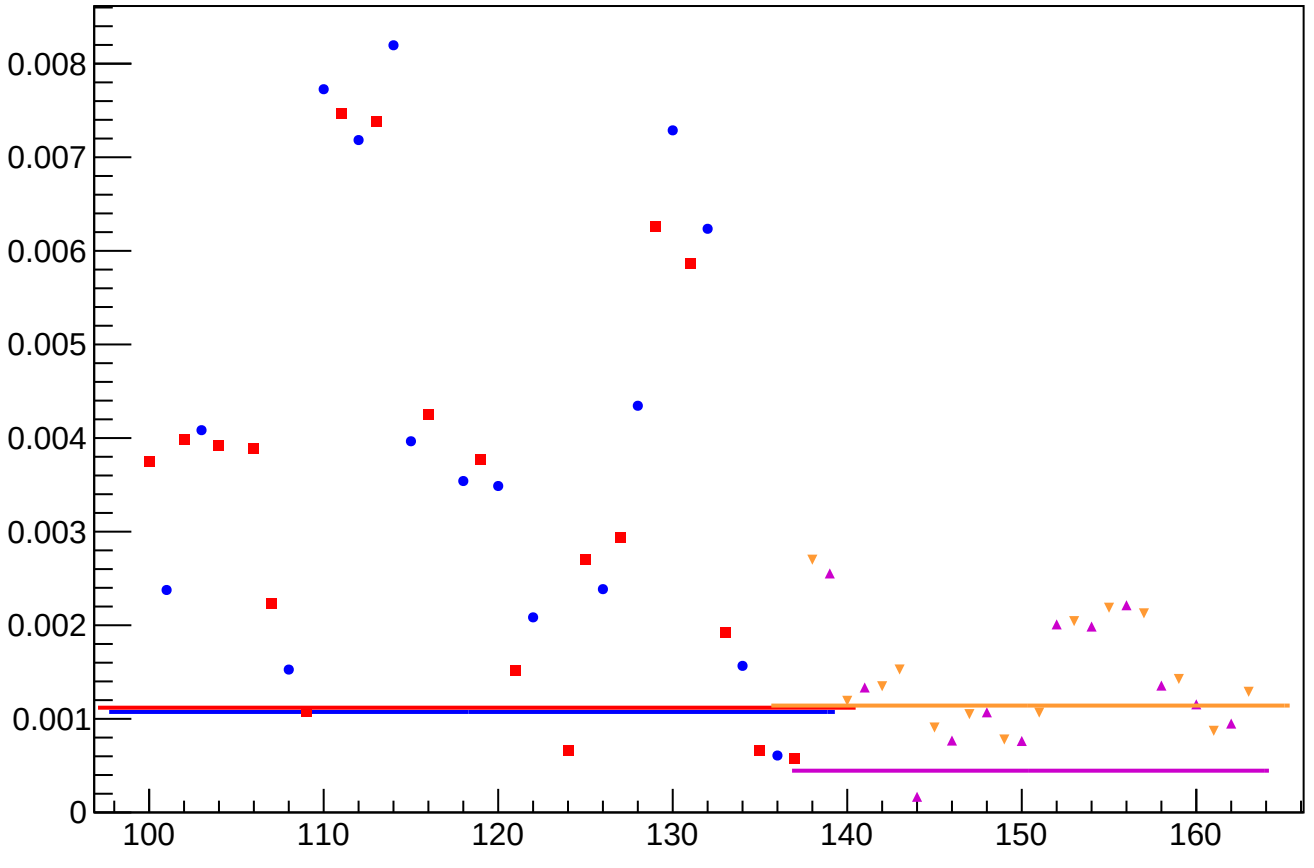
Left: 0.000+/-0.000 χ^2/NDF: 50.4/25

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:24.3/27

Out: -0.000+/-0.000 χ^2/NDF:55.2/32

All: 0.000+/-0.000 χ^2/NDF: 84.2/60



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:2411470.3/13

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10373279.1/11

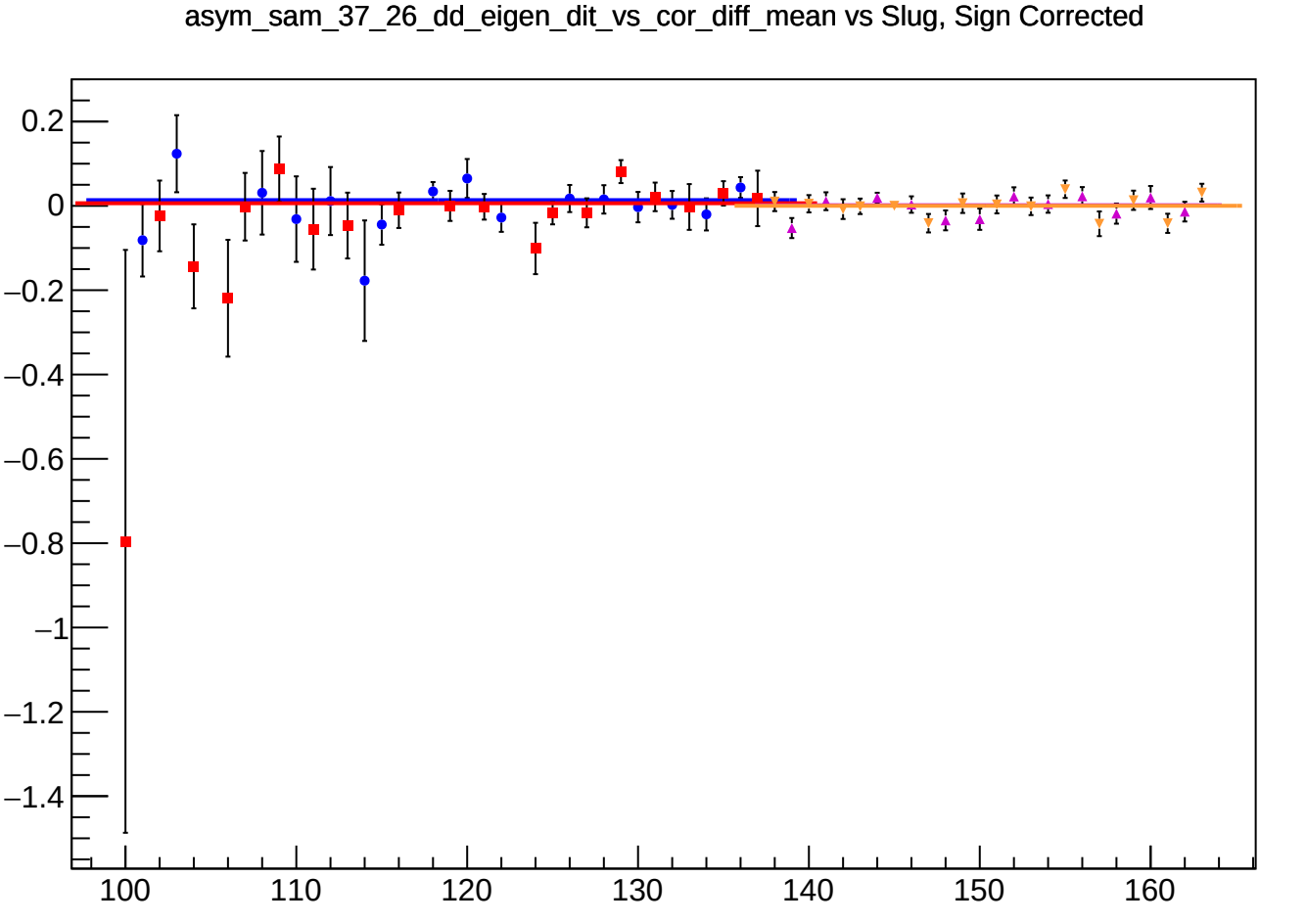
Left: 0.001+/-0.000 χ^2/NDF: 18142133.0/25

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

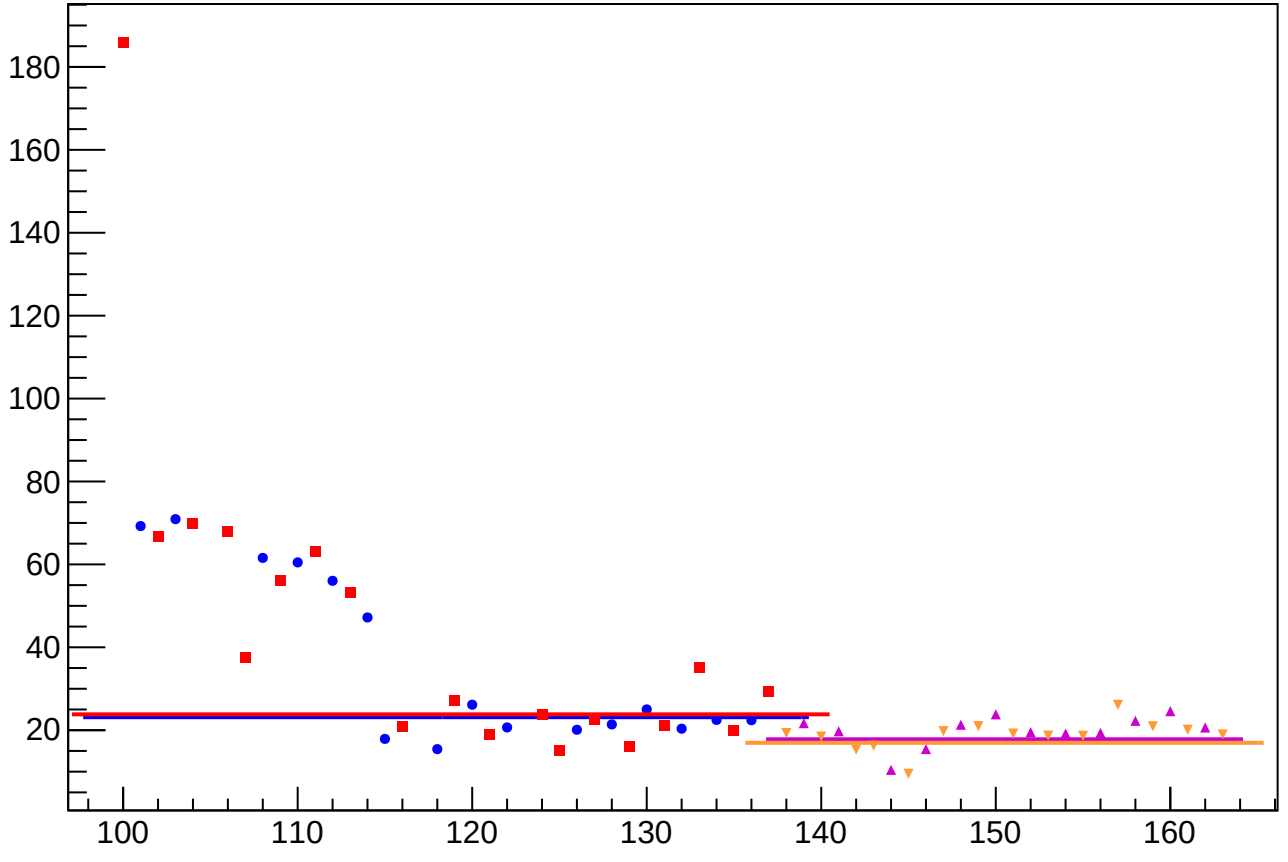
In: 0.001+/-0.000 χ^2/NDF:19607595.7/27

Out: 0.001+/-0.000 χ^2/NDF:9210032.5/32

All: 0.001+/-0.000 χ^2/NDF: 34351072.7/60


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
Right In: 0.014+/-0.010 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.005 χ²/NDF:15.6/13
Right Out: 0.006+/-0.010 χ²/NDF: 21.5/18
Left In: 0.001+/-0.006 χ²/NDF:15.1/11
Left: 0.001+/-0.004 χ²/NDF: 30.8/25
Right: 0.010+/-0.007 χ²/NDF: 34.1/34
In: 0.005+/-0.005 χ²/NDF:28.6/27
Out: 0.001+/-0.005 χ²/NDF:37.4/32
All: 0.003+/-0.003 χ²/NDF: 66.2/60

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.960+/-0.004 χ^2/NDF:1374282.4/13

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.807+/-0.004 χ^2/NDF:1293734.6/11

Left: 17.341+/-0.003 χ^2/NDF: 2690703.6/25

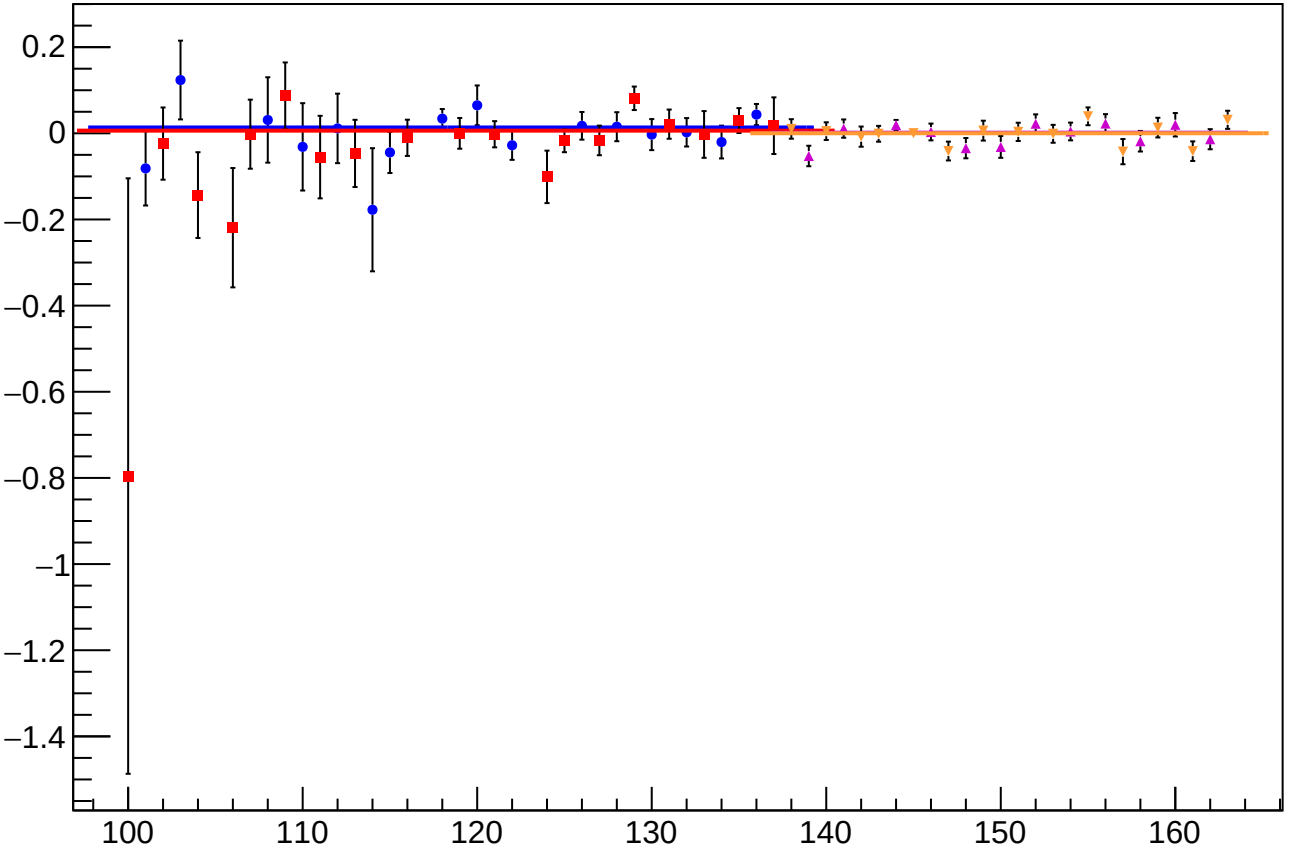
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.219+/-0.004 χ^2/NDF:4132270.7/27

Out: 18.467+/-0.003 χ^2/NDF:4998891.8/32

All: 18.816+/-0.002 χ^2/NDF: 9154792.5/60

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.005 χ^2/NDF:15.6/13

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.006 χ^2/NDF:15.1/11

Left: 0.001+/-0.004 χ^2/NDF: 30.8/25

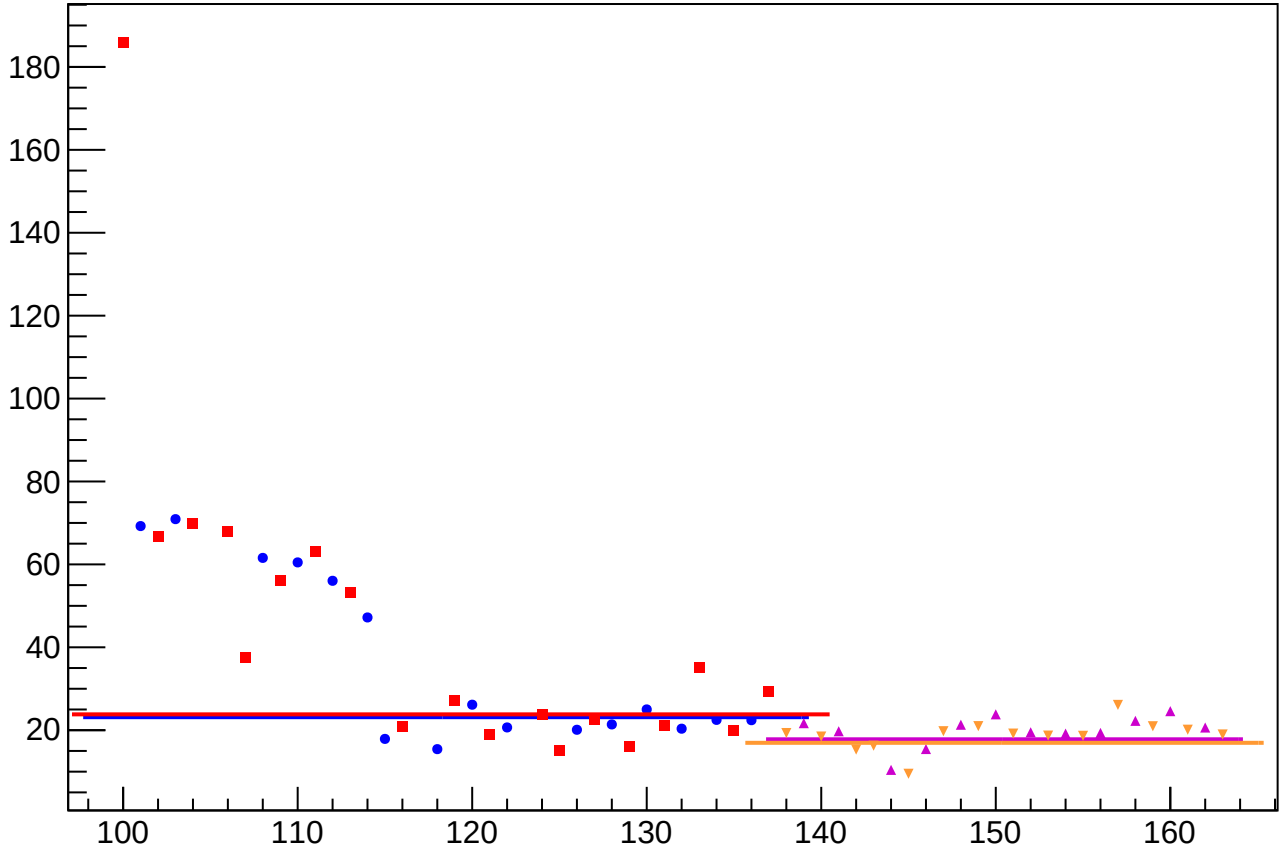
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.005 χ^2/NDF:28.6/27

Out: 0.001+/-0.005 χ^2/NDF:37.4/32

All: 0.003+/-0.003 χ^2/NDF: 66.2/60

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 16.960+/-0.004 χ^2/NDF:1374282.4/13

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 17.807+/-0.004 χ^2/NDF:1293734.6/11

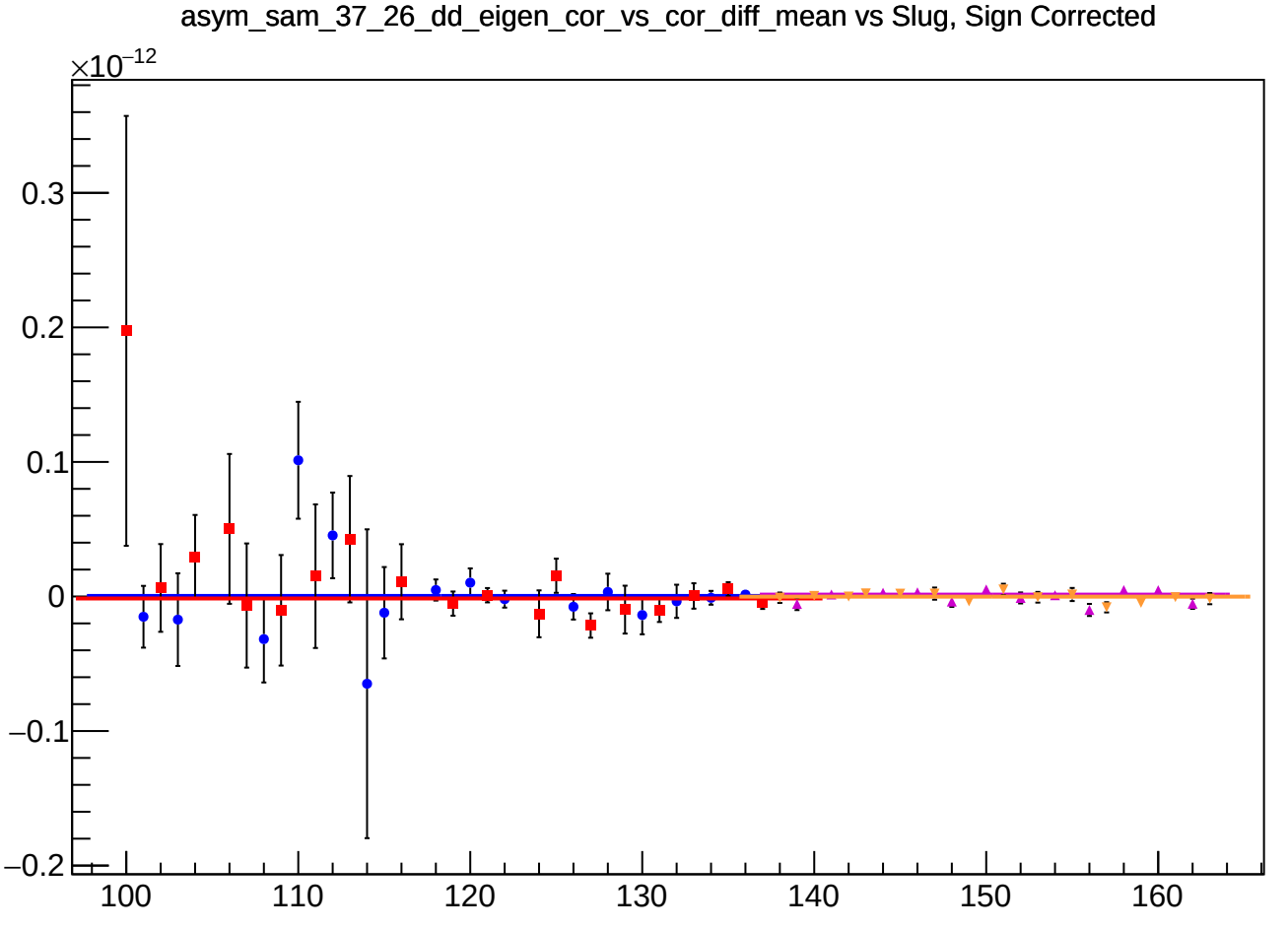
Left: 17.341+/-0.003 χ^2/NDF: 2690703.6/25

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 19.219+/-0.004 χ^2/NDF:4132270.7/27

Out: 18.467+/-0.003 χ^2/NDF:4998891.8/32

All: 18.816+/-0.002 χ^2/NDF: 9154792.5/60



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/11

Left: 0.000+/-0.000 χ^2/NDF: 32.8/25

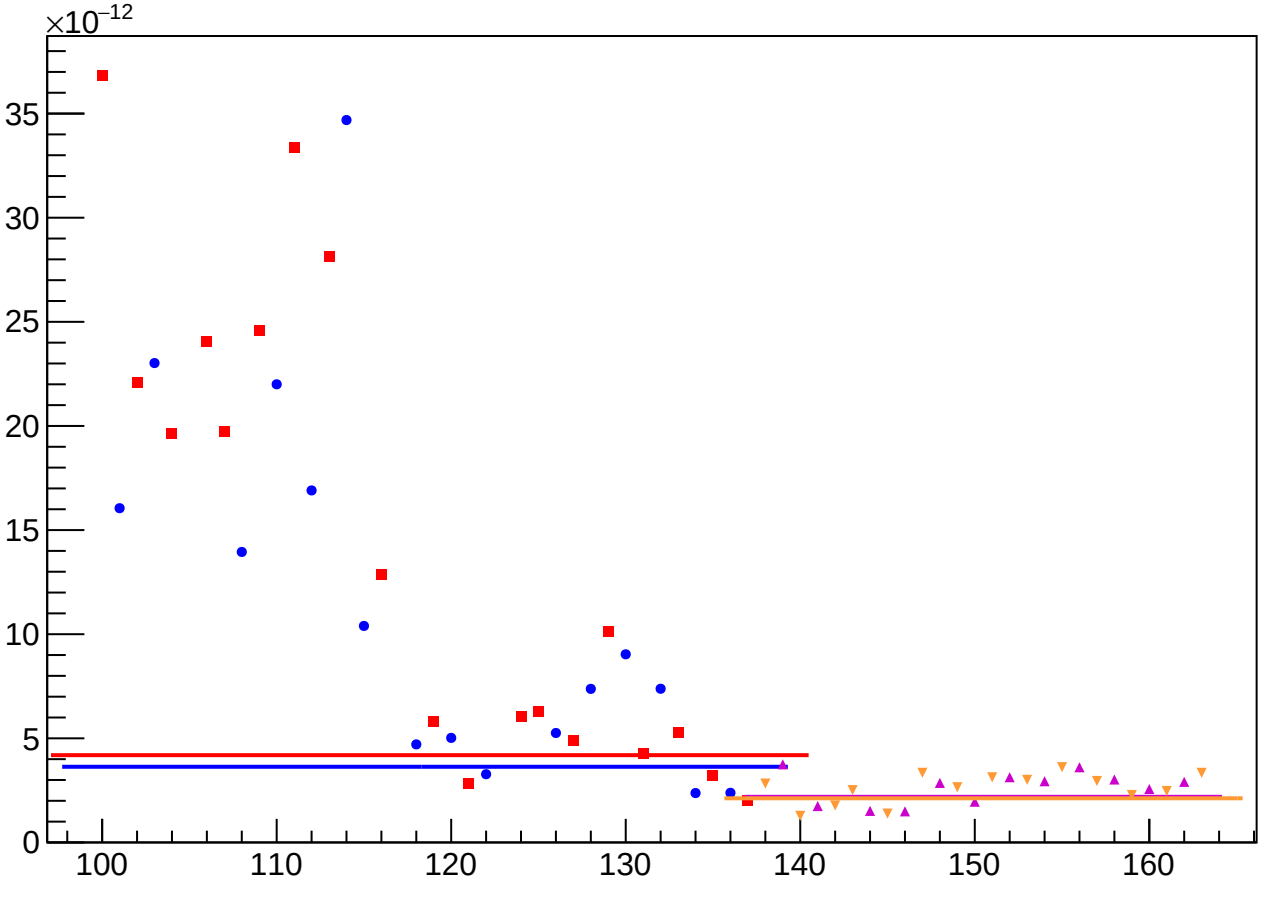
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:32.2/27

Out: -0.000+/-0.000 χ^2/NDF:28.0/32

All: 0.000+/-0.000 χ^2/NDF: 62.0/60

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:1835878.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1437129.9/11

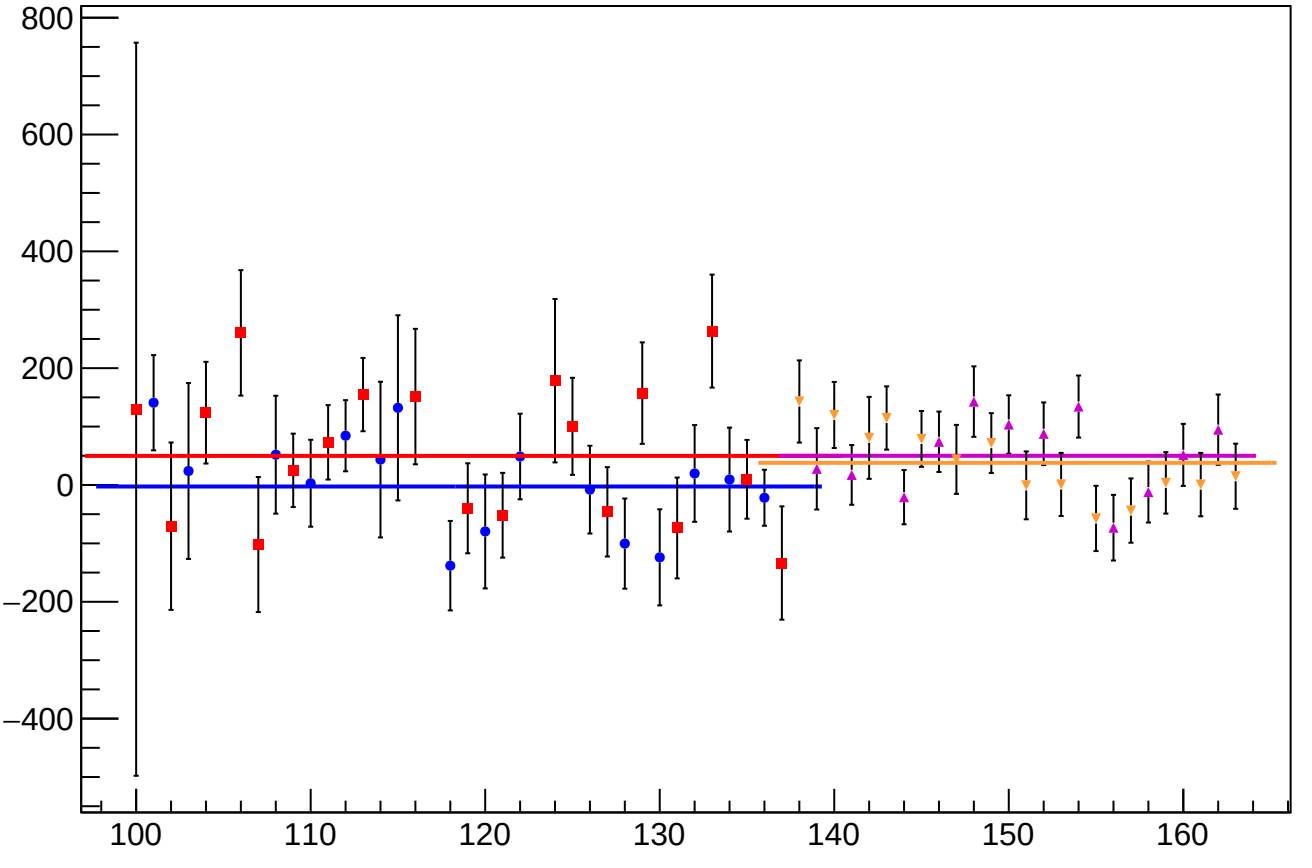
Left: 0.000+/-0.000 χ^2/NDF: 3280216.0/25

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:5867063.4/27

Out: 0.000+/-0.000 χ^2/NDF:7673502.7/32

All: 0.000+/-0.000 χ^2/NDF: 13548329.3/60



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 37.940+/-14.947 χ^2/NDF:15.0/13

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 49.988+/-15.584 χ^2/NDF:16.3/11

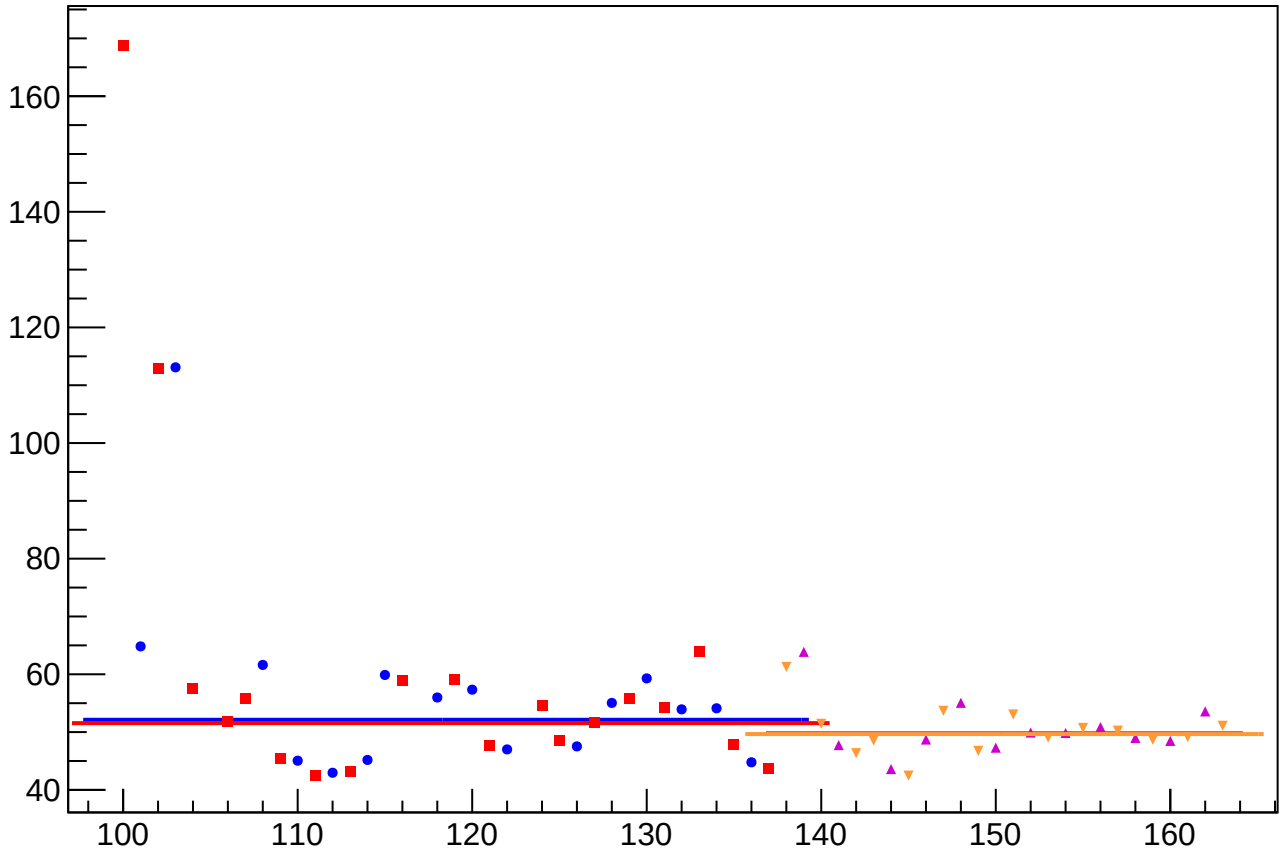
Left: 43.713+/-10.787 χ^2/NDF: 31.6/25

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 30.109+/-12.291 χ^2/NDF:35.2/27

Out: 42.299+/-11.890 χ^2/NDF:44.6/32

All: 36.406+/-8.546 χ^2/NDF: 80.3/60



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.791+/-0.011 χ^2/NDF:152001.8/11

Left: 49.722+/-0.008 χ^2/NDF: 284980.9/25

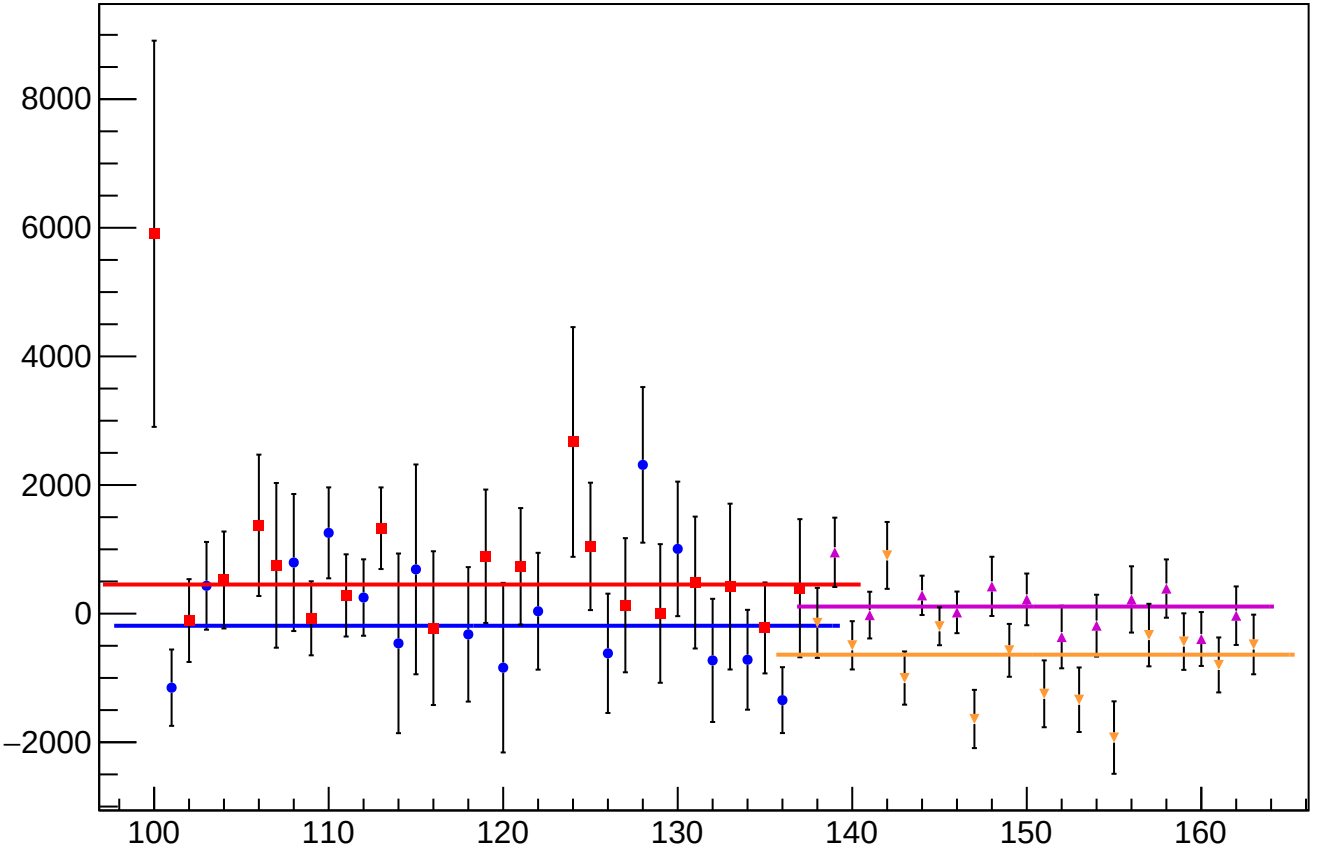
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.674+/-0.009 χ^2/NDF:731922.6/27

Out: 50.353+/-0.008 χ^2/NDF:784228.2/32

All: 50.508+/-0.006 χ^2/NDF: 1516857.1/60

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -638.181+/-117.315 χ^2/NDF:27.1/13

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 110.022+/-119.631 χ^2/NDF:6.8/11

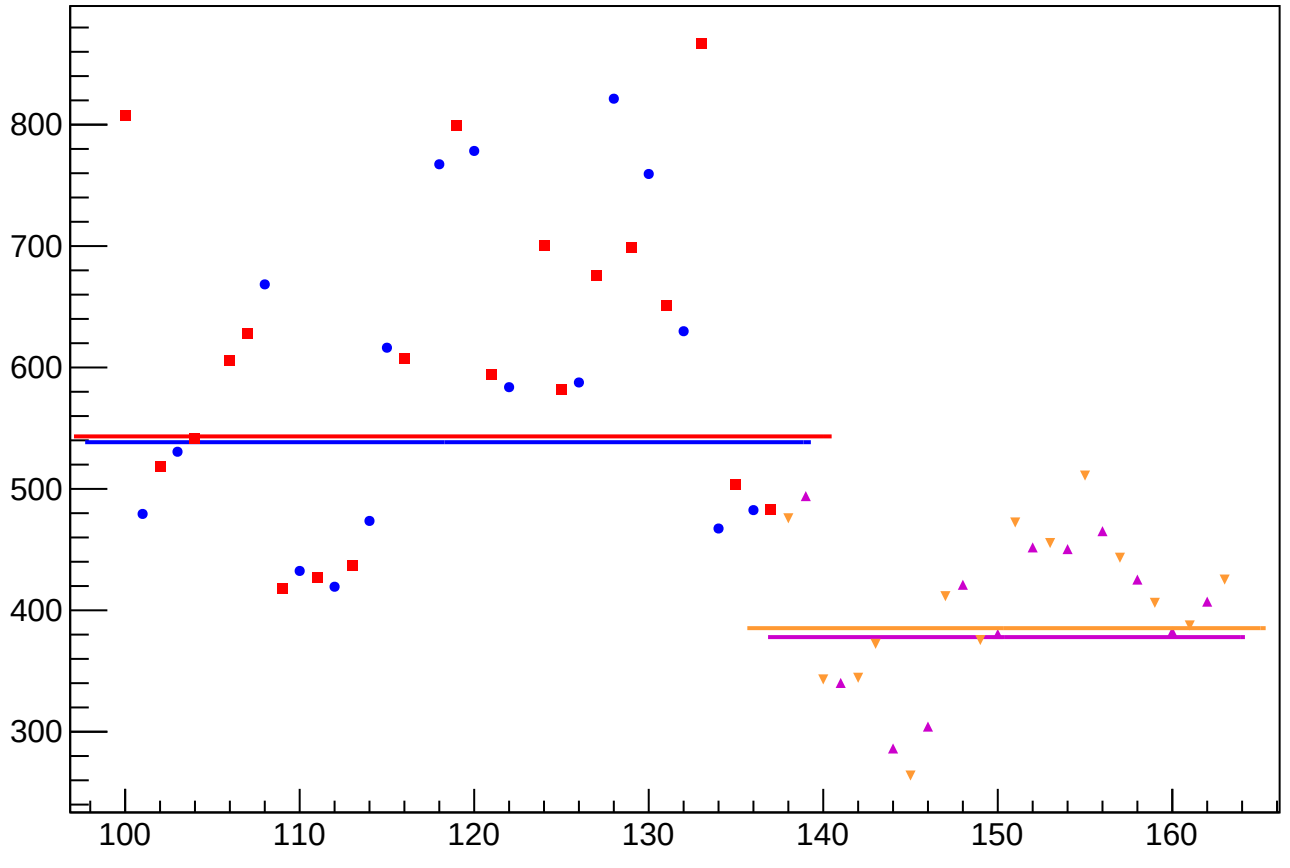
Left: -271.392+/-83.761 χ^2/NDF: 53.9/25

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 34.616+/-103.428 χ^2/NDF:29.8/27

Out: -366.950+/-101.688 χ^2/NDF:59.9/32

All: -169.573+/-72.511 χ^2/NDF: 97.4/60



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 385.314+/-0.083 χ^2/NDF:684272.1/13

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 377.943+/-0.085 χ^2/NDF:594860.3/11

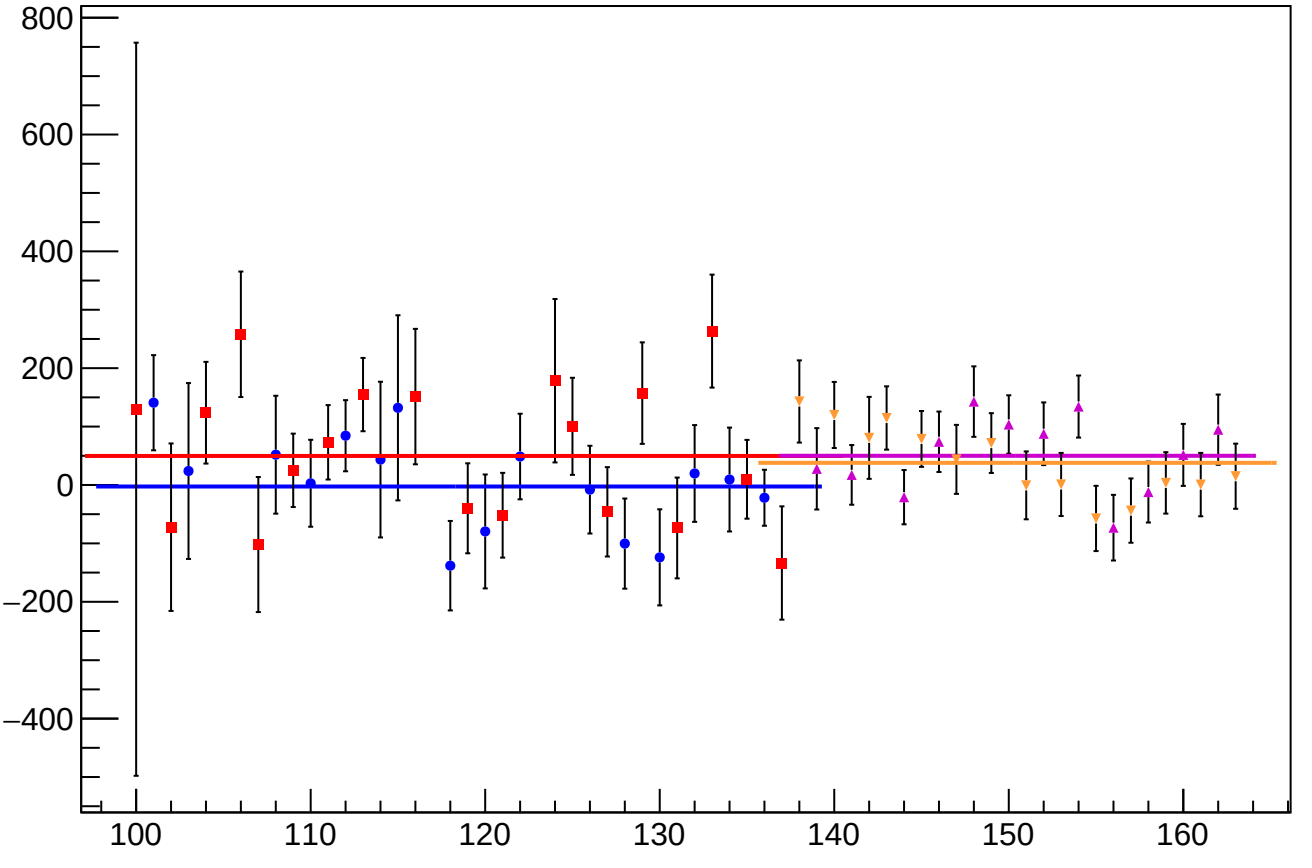
Left: 381.701+/-0.059 χ^2/NDF: 1283003.2/25

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 418.482+/-0.073 χ^2/NDF:2118272.1/27

Out: 424.586+/-0.072 χ^2/NDF:2222679.2/32

All: 421.586+/-0.051 χ^2/NDF: 4344493.2/60



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 49.988+/-15.584 χ^2/NDF:16.3/11

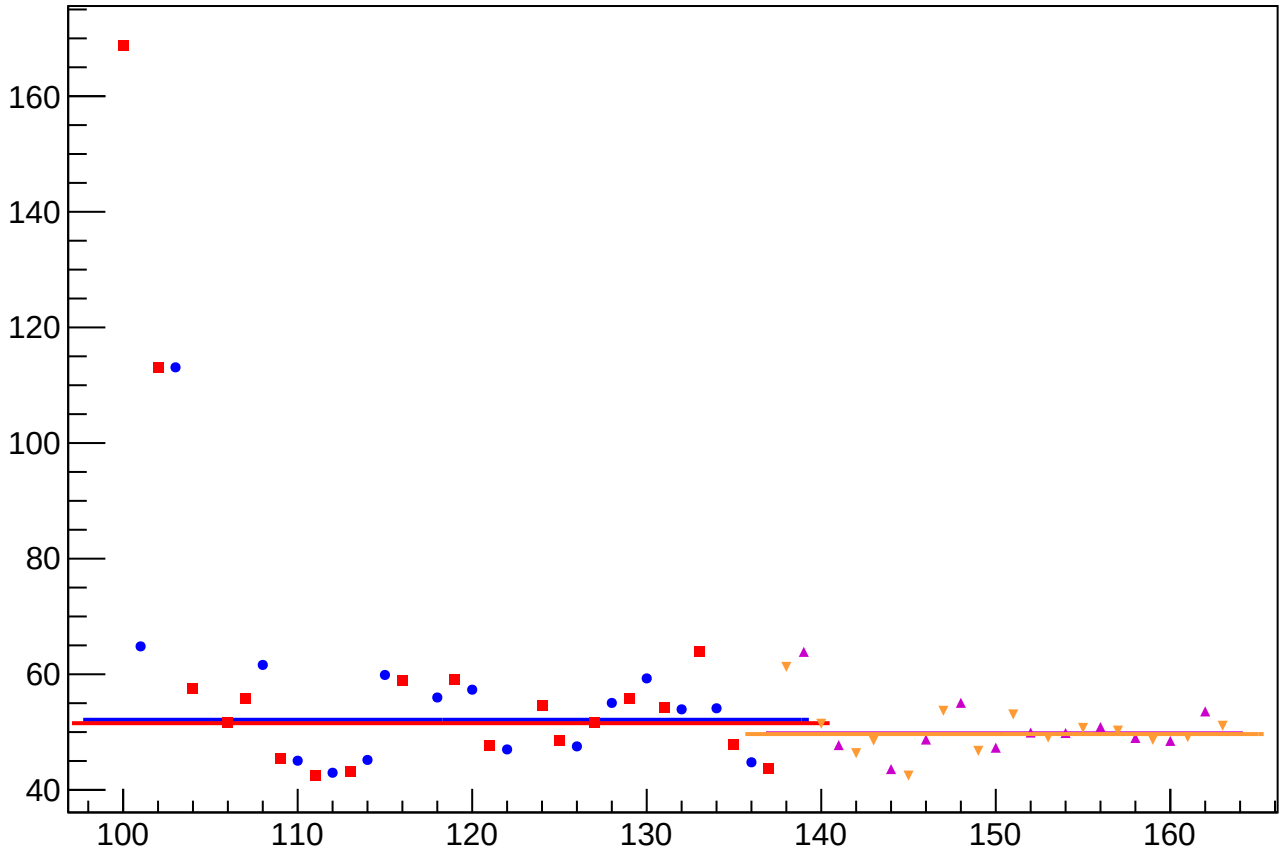
Left: 43.714+/-10.787 χ^2/NDF: 31.6/25

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 30.108+/-12.291 χ^2/NDF:35.2/27

Out: 42.258+/-11.890 χ^2/NDF:44.5/32

All: 36.384+/-8.546 χ^2/NDF: 80.2/60



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.791+/-0.011 χ^2/NDF:152001.8/11

Left: 49.722+/-0.008 χ^2/NDF: 284980.9/25

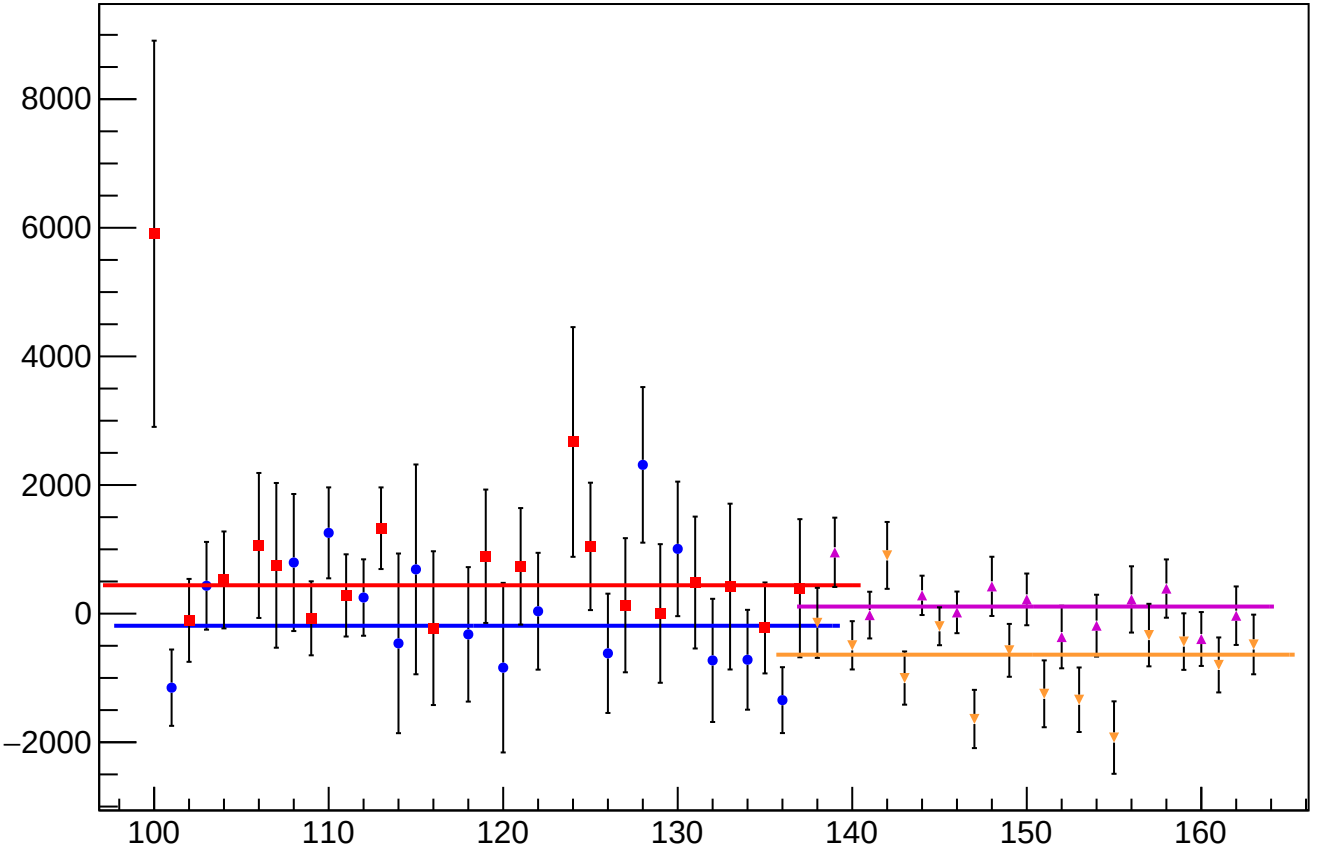
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.674+/-0.009 χ^2/NDF:731924.8/27

Out: 50.349+/-0.008 χ^2/NDF:784319.8/32

All: 50.506+/-0.006 χ^2/NDF: 1516967.8/60

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: -638.178+/-117.315 χ^2/NDF:27.1/13

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 110.023+/-119.631 χ^2/NDF:6.8/11

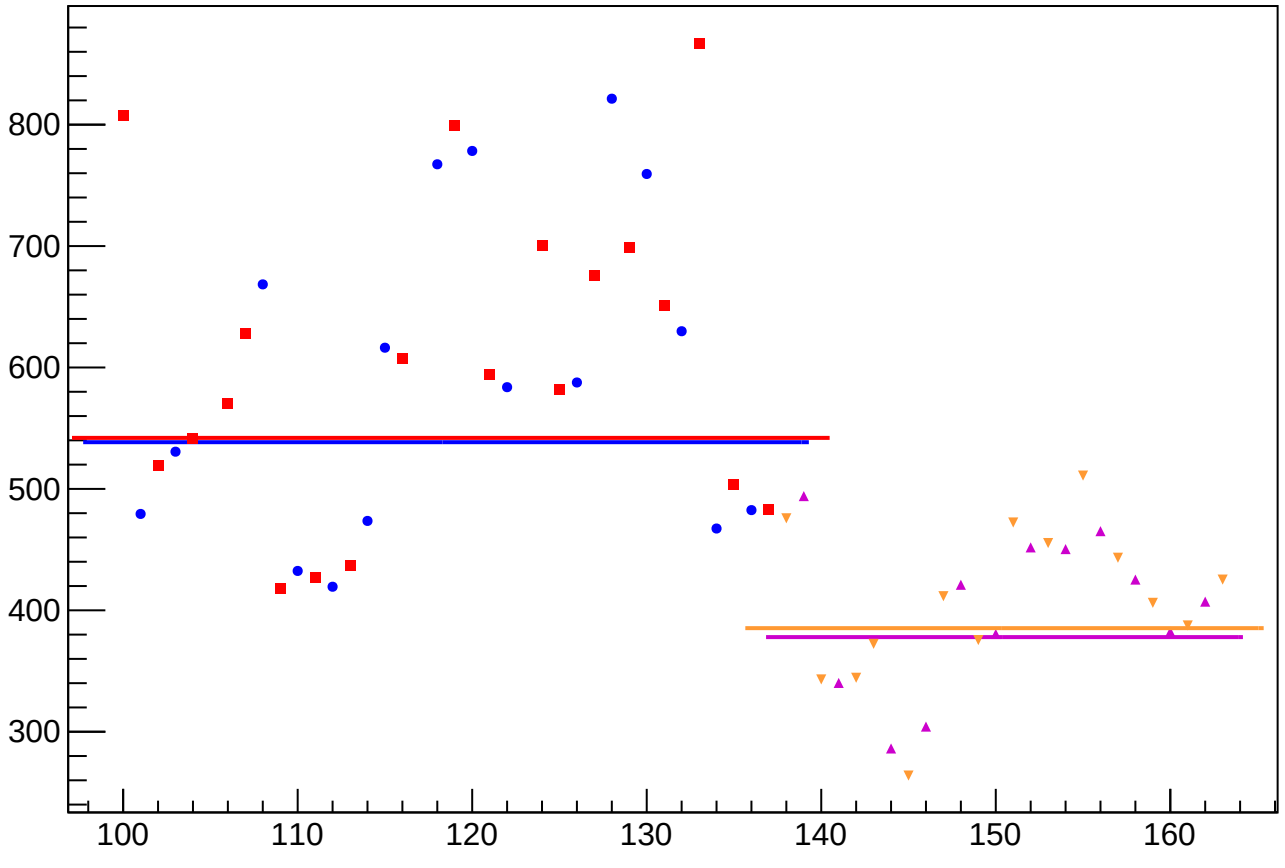
Left: -271.390+/-83.761 χ^2/NDF: 53.9/25

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 34.624+/-103.428 χ^2/NDF:29.8/27

Out: -370.157+/-101.711 χ^2/NDF:59.0/32

All: -171.153+/-72.520 χ^2/NDF: 96.6/60



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 377.943+/-0.085 χ^2/NDF:594858.7/11

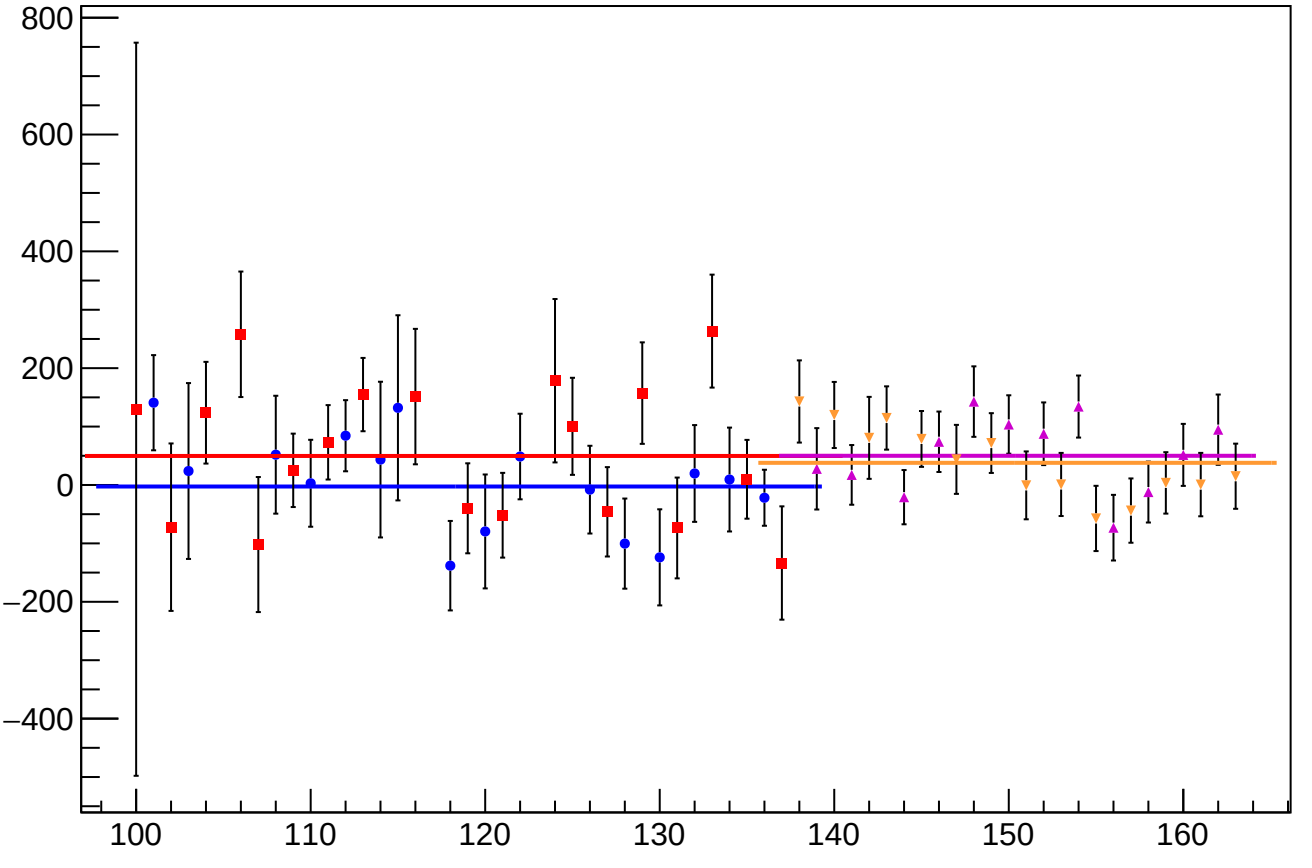
Left: 381.701+/-0.059 χ^2/NDF: 1283004.6/25

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.483+/-0.073 χ^2/NDF:2118314.1/27

Out: 424.228+/-0.072 χ^2/NDF:2202036.9/32

All: 421.404+/-0.051 χ^2/NDF: 4323488.1/60



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 37.943+/-14.947 χ^2/NDF:15.0/13

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 49.988+/-15.584 χ^2/NDF:16.3/11

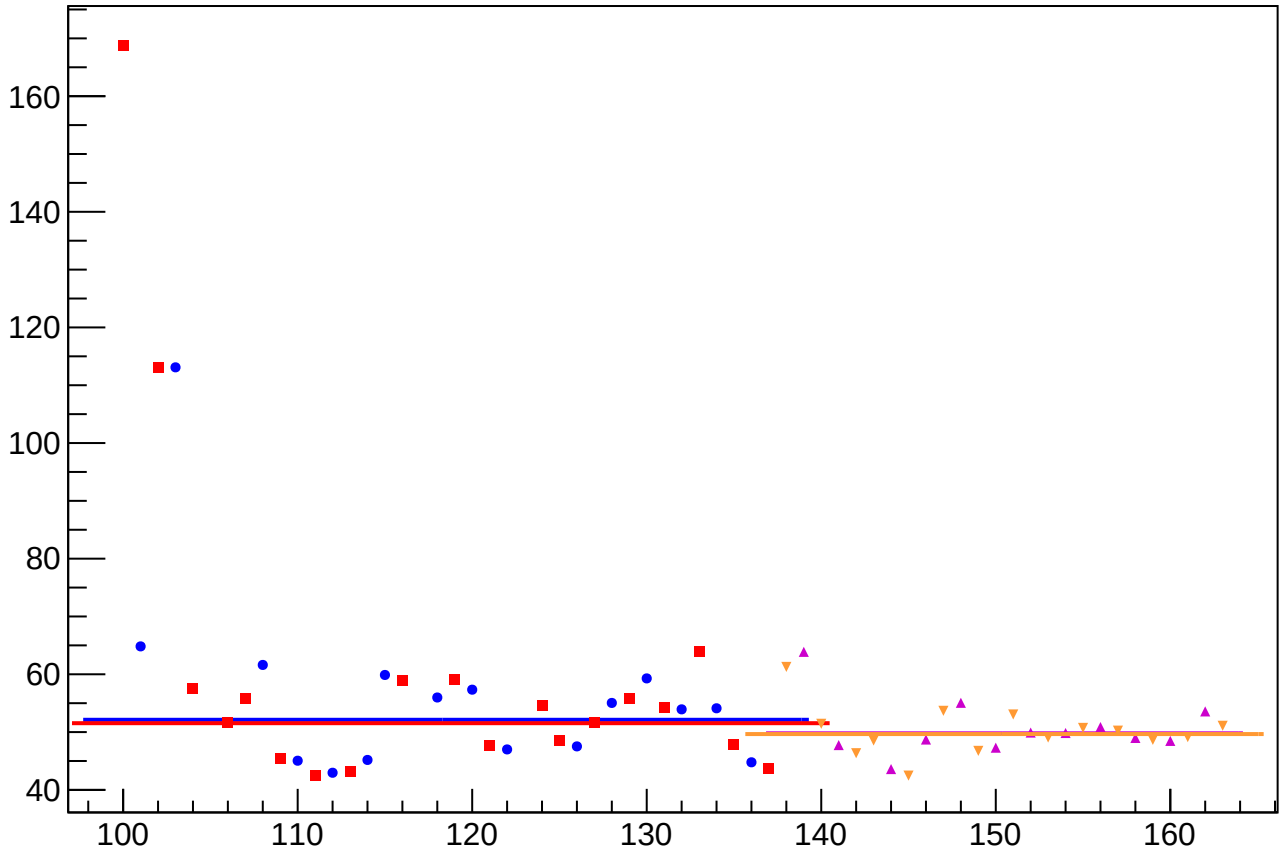
Left: 43.714+/-10.787 χ^2/NDF: 31.6/25

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 30.108+/-12.291 χ^2/NDF:35.2/27

Out: 42.258+/-11.890 χ^2/NDF:44.5/32

All: 36.384+/-8.546 χ^2/NDF: 80.2/60



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.658+/-0.011 χ^2/NDF:132903.7/13

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.791+/-0.011 χ^2/NDF:152001.8/11

Left: 49.722+/-0.008 χ^2/NDF: 284980.9/25

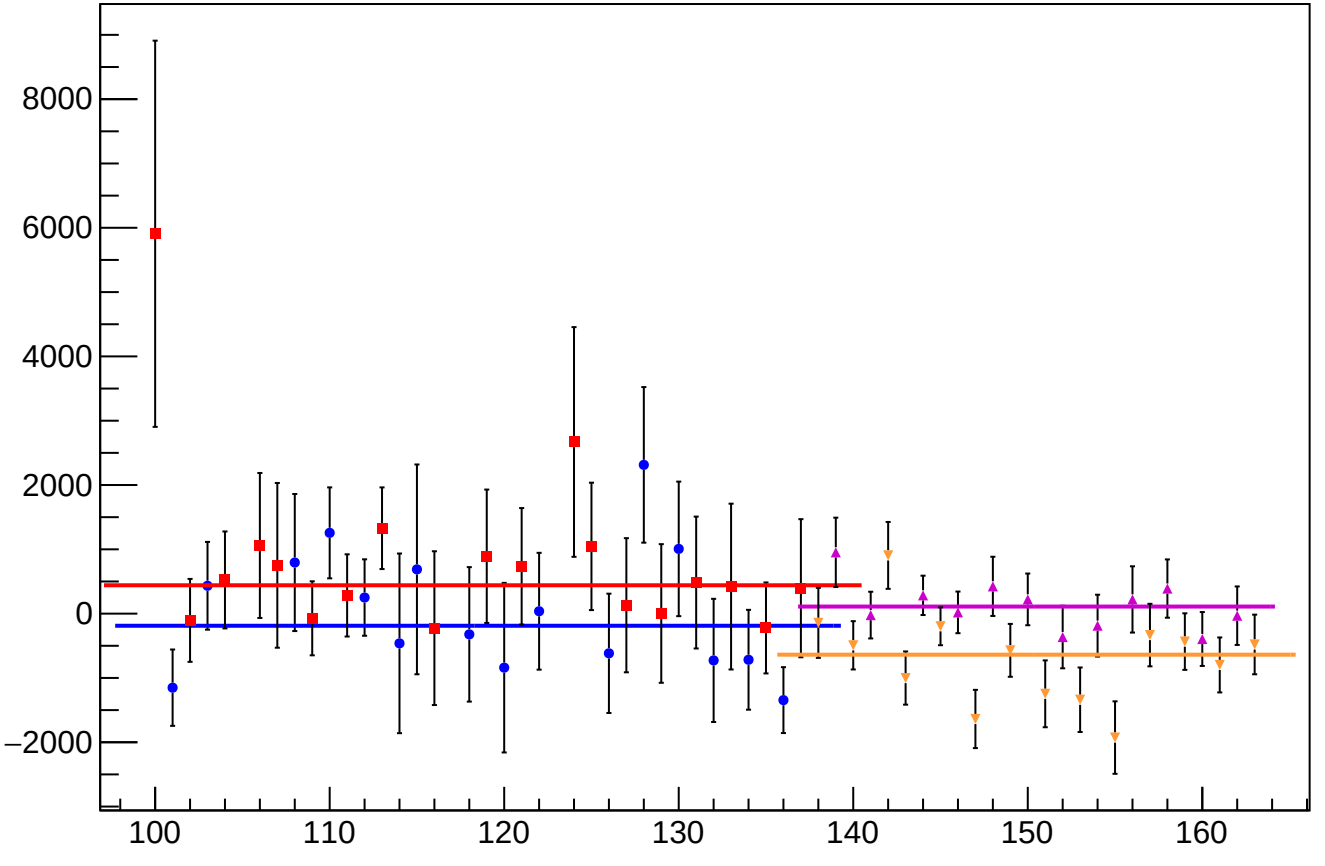
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.674+/-0.009 χ^2/NDF:731924.8/27

Out: 50.349+/-0.008 χ^2/NDF:784319.8/32

All: 50.506+/-0.006 χ^2/NDF: 1516967.8/60

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: -638.178+/-117.315 χ^2/NDF:27.1/13

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 110.023+/-119.631 χ^2/NDF:6.8/11

Left: -271.390+/-83.761 χ^2/NDF: 53.9/25

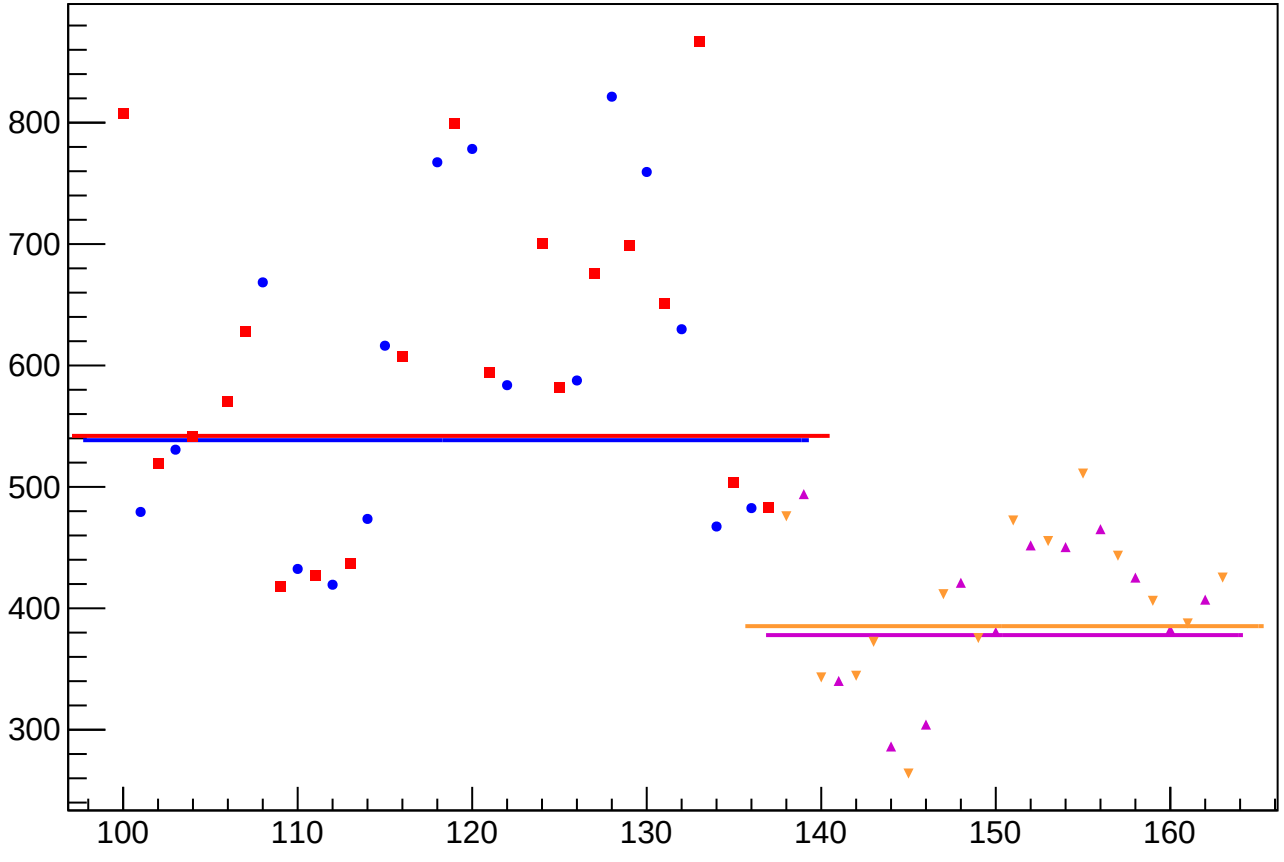
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 34.624+/-103.428 χ^2/NDF:29.8/27

Out: -370.157+/-101.711 χ^2/NDF:59.0/32

All: -171.153+/-72.520 χ^2/NDF: 96.6/60

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 385.314+/-0.083 χ^2/NDF:684275.2/13

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 377.943+/-0.085 χ^2/NDF:594858.7/11

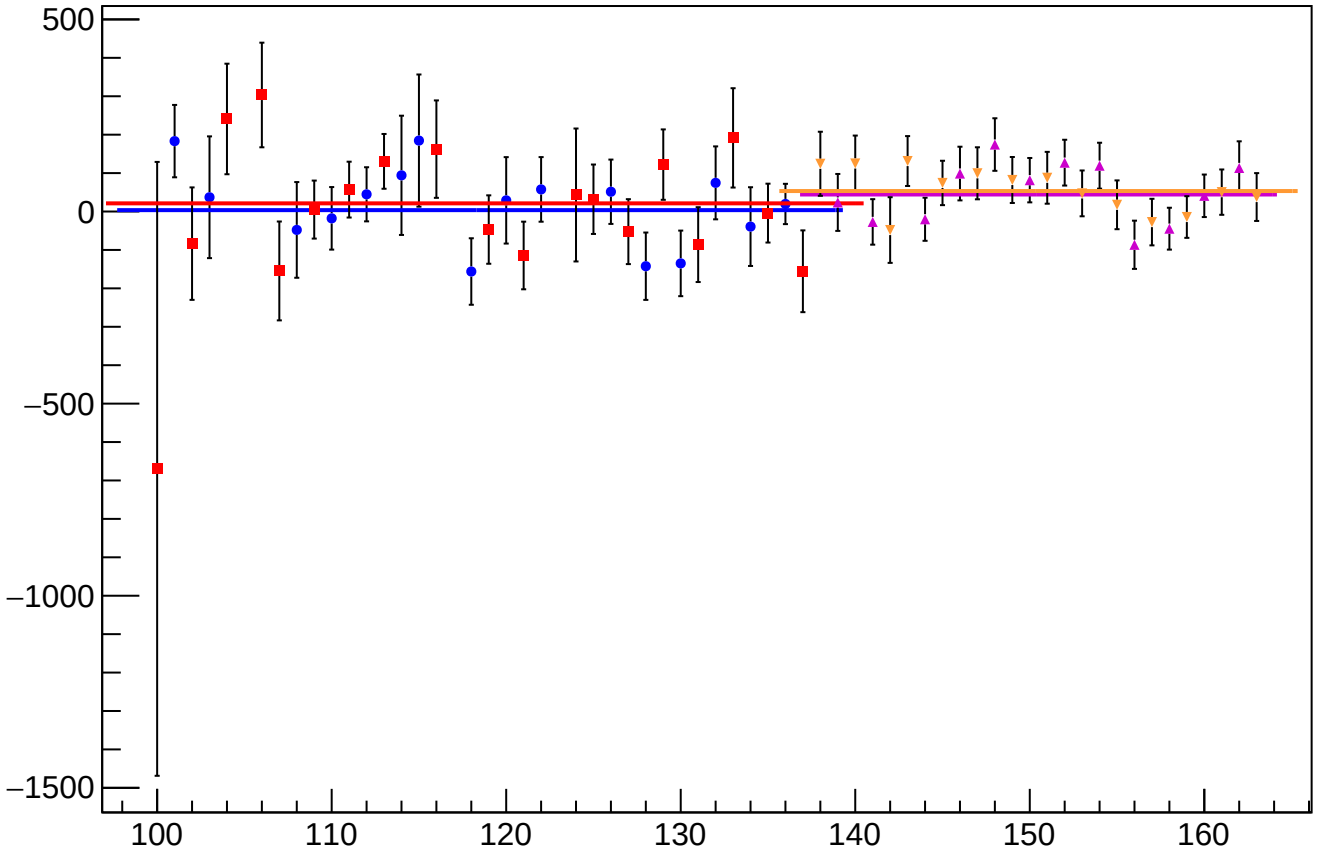
Left: 381.701+/-0.059 χ^2/NDF: 1283004.6/25

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 418.483+/-0.073 χ^2/NDF:2118314.1/27

Out: 424.228+/-0.072 χ^2/NDF:2202036.9/32

All: 421.404+/-0.051 χ^2/NDF: 4323488.1/60



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 53.296+/-17.120 χ^2/NDF:9.4/13

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 44.312+/-17.702 χ^2/NDF:19.0/11

Left: 48.954+/-12.306 χ^2/NDF: 28.5/25

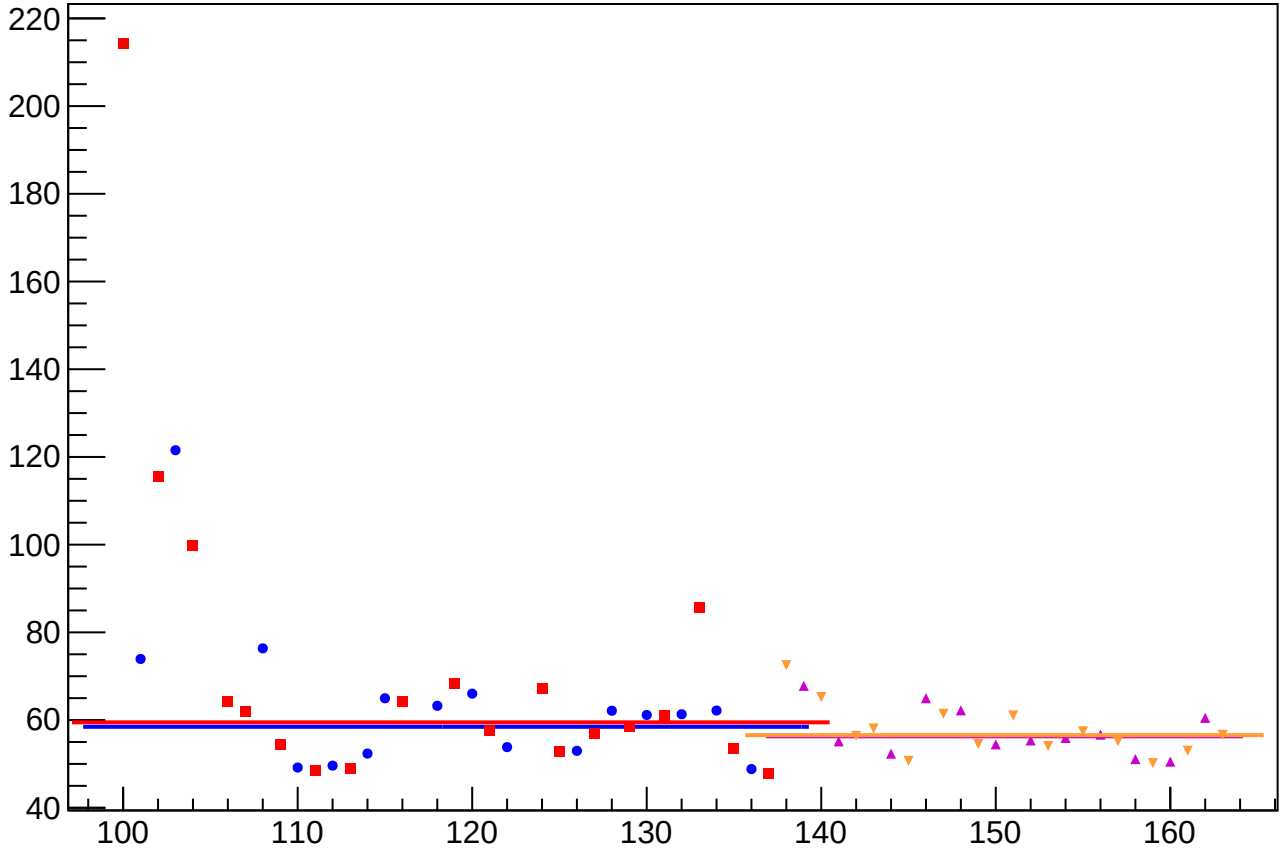
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 28.728+/-13.908 χ^2/NDF:37.2/27

Out: 41.723+/-13.683 χ^2/NDF:35.1/32

All: 35.331+/-9.754 χ^2/NDF: 72.7/60

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 56.555+/-0.012 χ^2/NDF:184929.4/13

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 56.294+/-0.013 χ^2/NDF:154707.8/11

Left: 56.429+/-0.009 χ^2/NDF: 339862.3/25

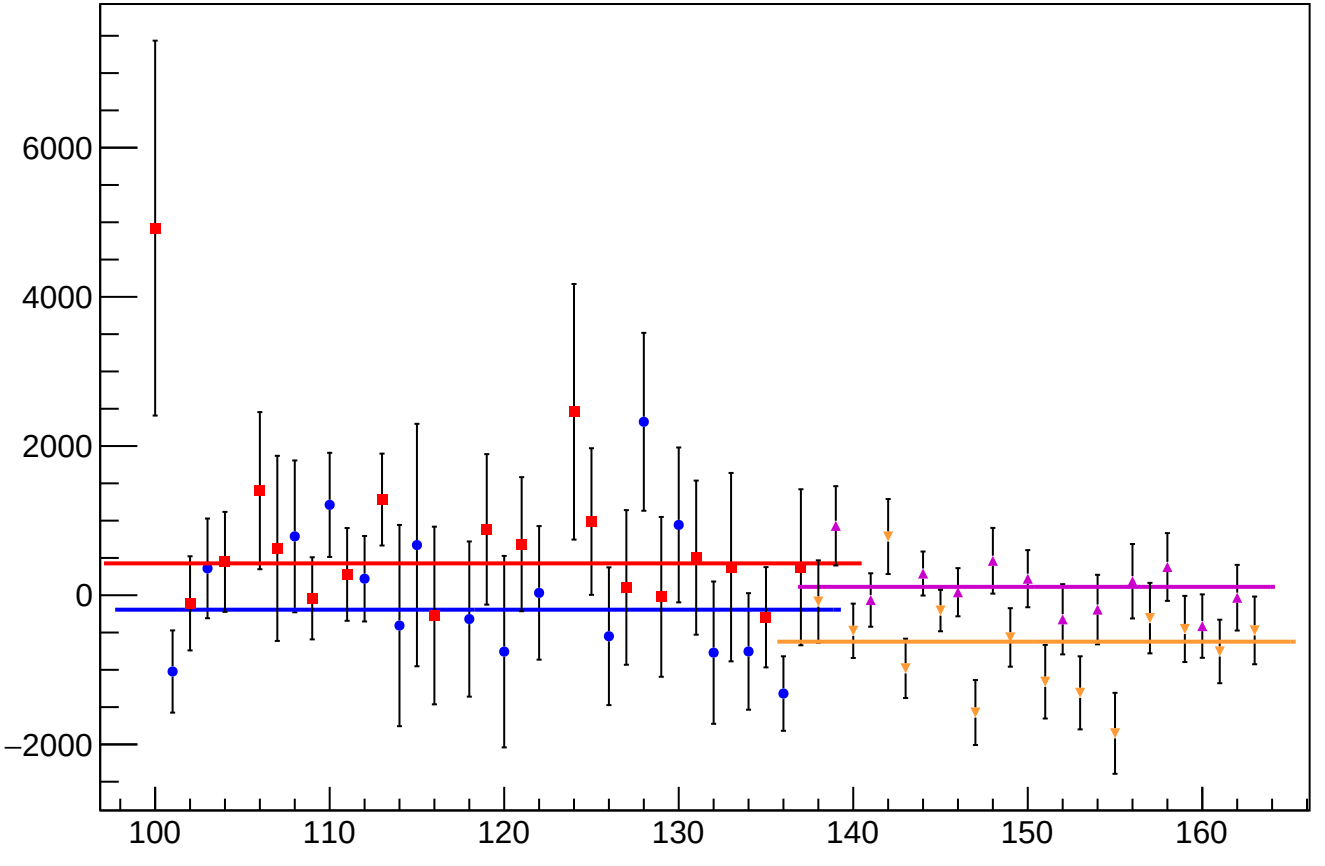
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 57.125+/-0.010 χ^2/NDF:749209.7/27

Out: 57.613+/-0.010 χ^2/NDF:990949.2/32

All: 57.373+/-0.007 χ^2/NDF: 1741409.9/60

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -622.569+/-113.673 χ^2/NDF:25.9/13

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 112.302+/-117.005 χ^2/NDF:7.0/11

Left: -265.743+/-81.531 χ^2/NDF: 53.2/25

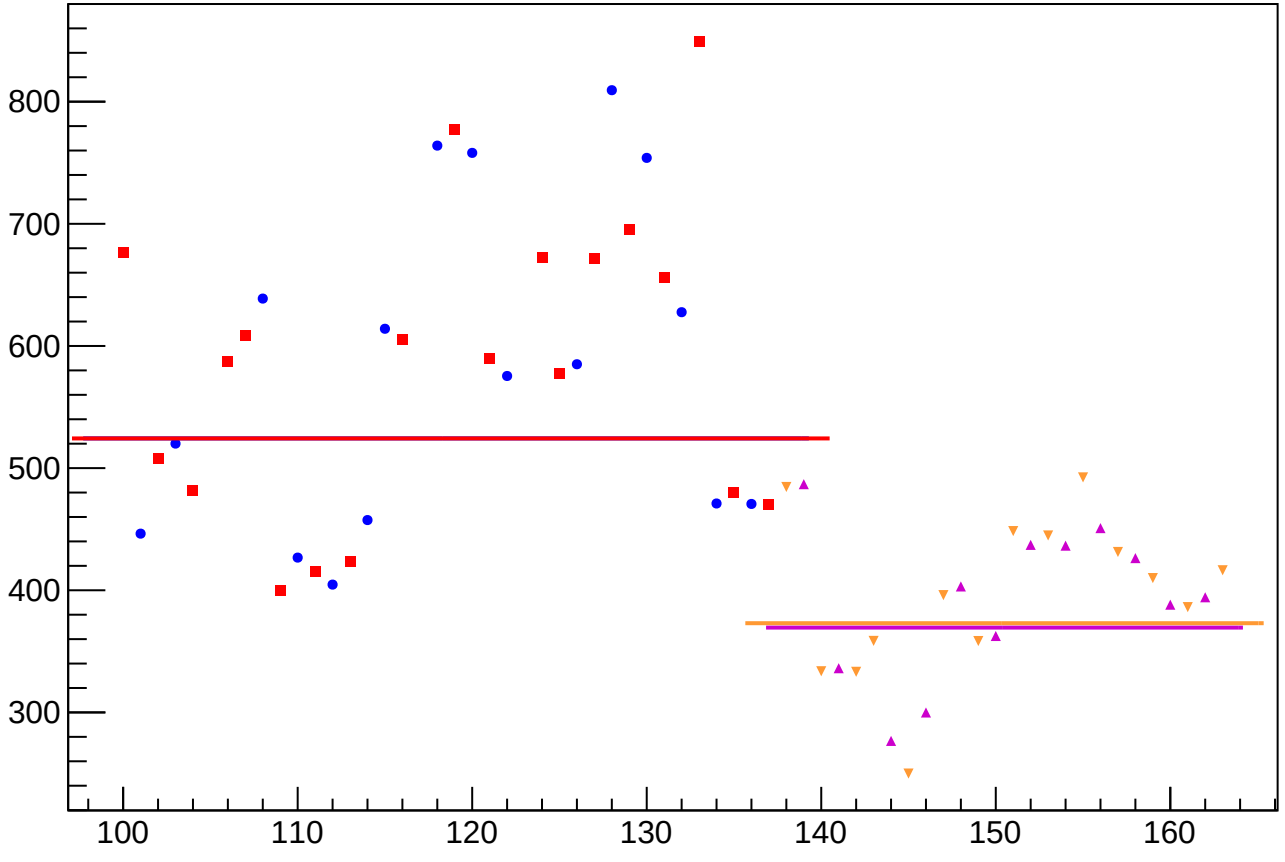
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 34.576+/-101.069 χ^2/NDF:29.6/27

Out: -360.416+/-98.459 χ^2/NDF:58.5/32

All: -168.087+/-70.526 χ^2/NDF: 95.9/60

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 373.042+/-0.080 χ^2/NDF:771220.2/13

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 369.458+/-0.083 χ^2/NDF:595144.8/11

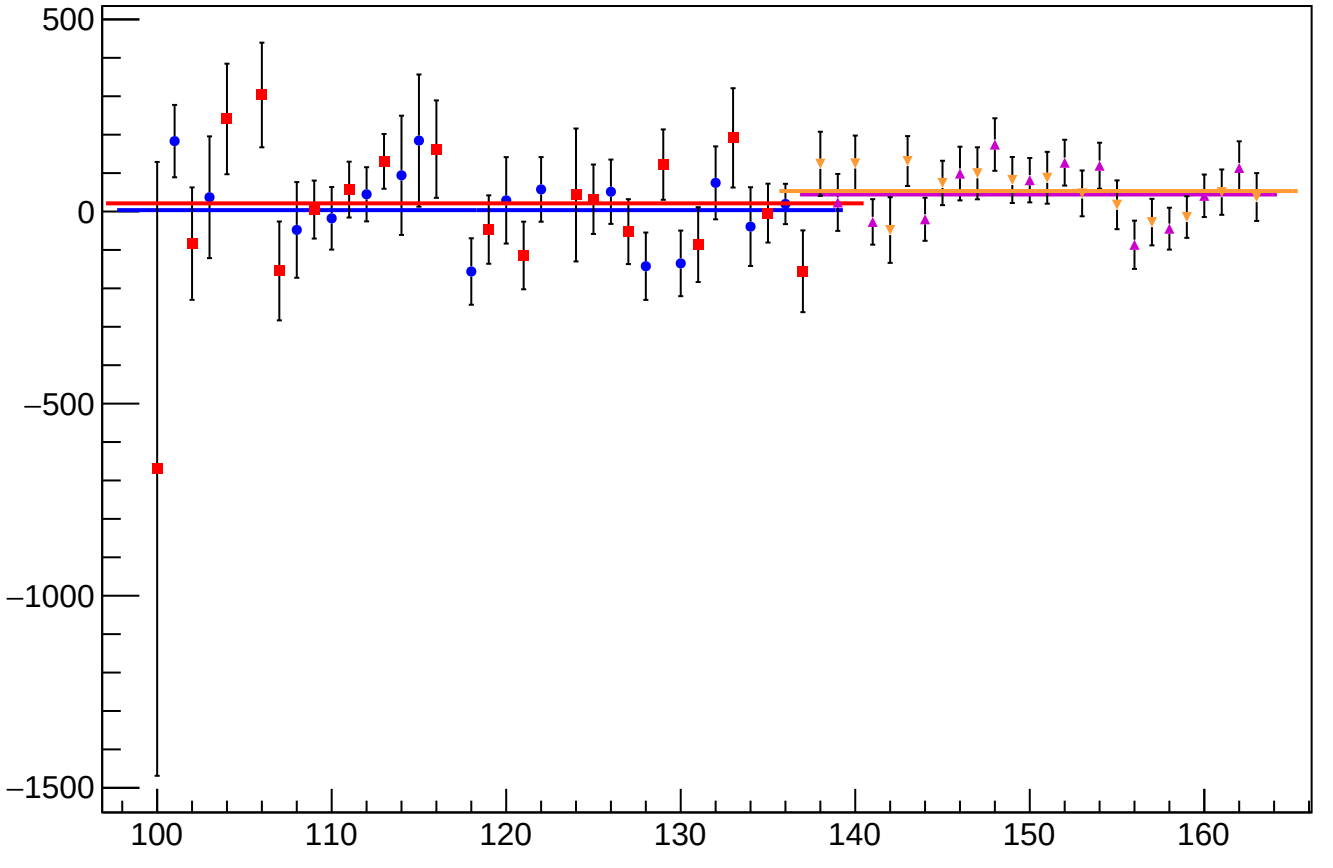
Left: 371.302+/-0.058 χ^2/NDF: 1367330.3/25

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 408.770+/-0.071 χ^2/NDF:2143061.7/27

Out: 410.824+/-0.070 χ^2/NDF:2341867.8/32

All: 409.824+/-0.050 χ^2/NDF: 4485353.6/60



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 53.297+/-17.120 χ^2/NDF:9.4/13

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 44.311+/-17.702 χ^2/NDF:19.0/11

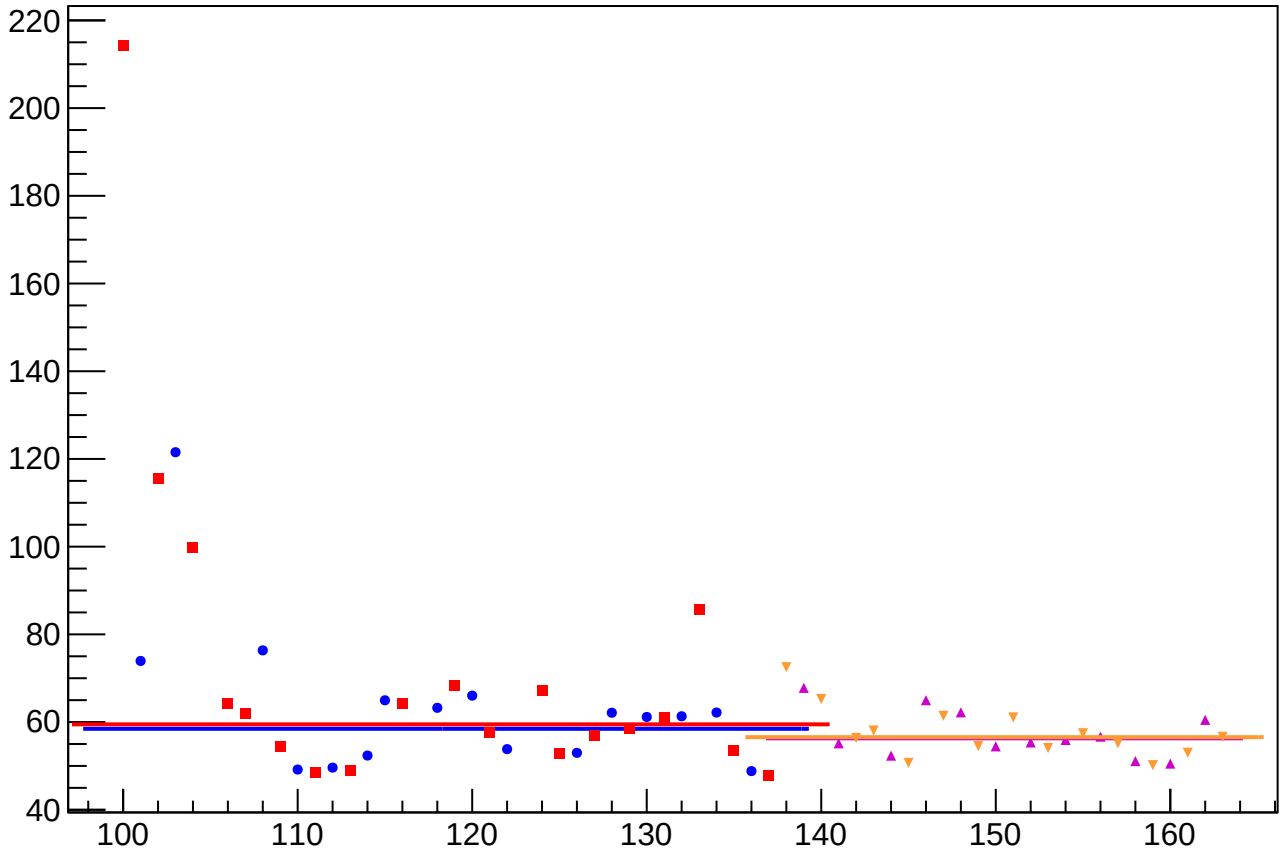
Left: 48.954+/-12.306 χ^2/NDF: 28.5/25

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 28.728+/-13.908 χ^2/NDF:37.2/27

Out: 41.723+/-13.684 χ^2/NDF:35.1/32

All: 35.331+/-9.754 χ^2/NDF: 72.7/60



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 56.556+/-0.012 χ^2/NDF:184934.6/13

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 56.294+/-0.013 χ^2/NDF:154710.1/11

Left: 56.429+/-0.009 χ^2/NDF: 339869.9/25

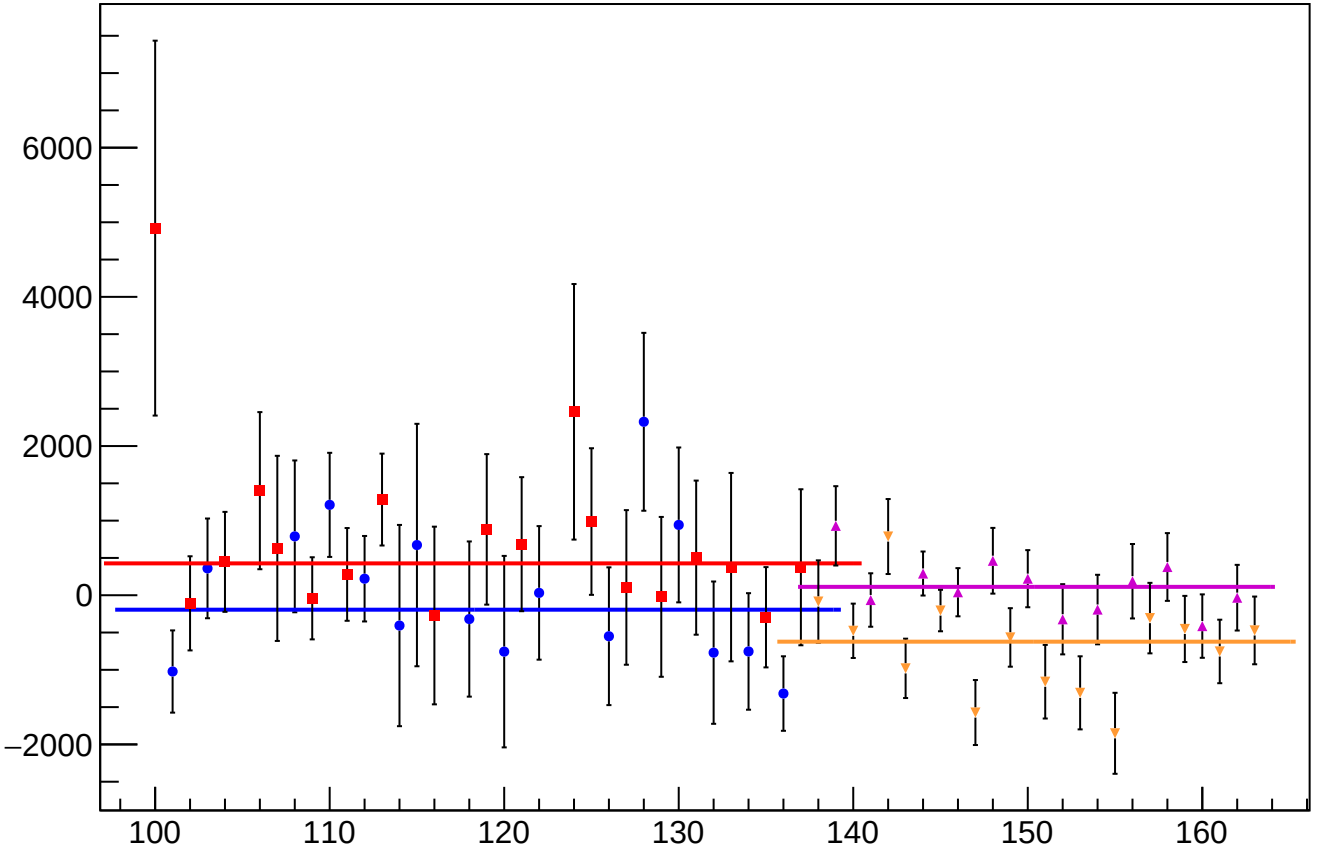
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 57.125+/-0.010 χ^2/NDF:749207.8/27

Out: 57.613+/-0.010 χ^2/NDF:990953.5/32

All: 57.373+/-0.007 χ^2/NDF: 1741412.5/60

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: -622.569+/-113.673 χ^2/NDF:25.9/13

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 112.302+/-117.005 χ^2/NDF:7.0/11

Left: -265.744+/-81.531 χ^2/NDF: 53.2/25

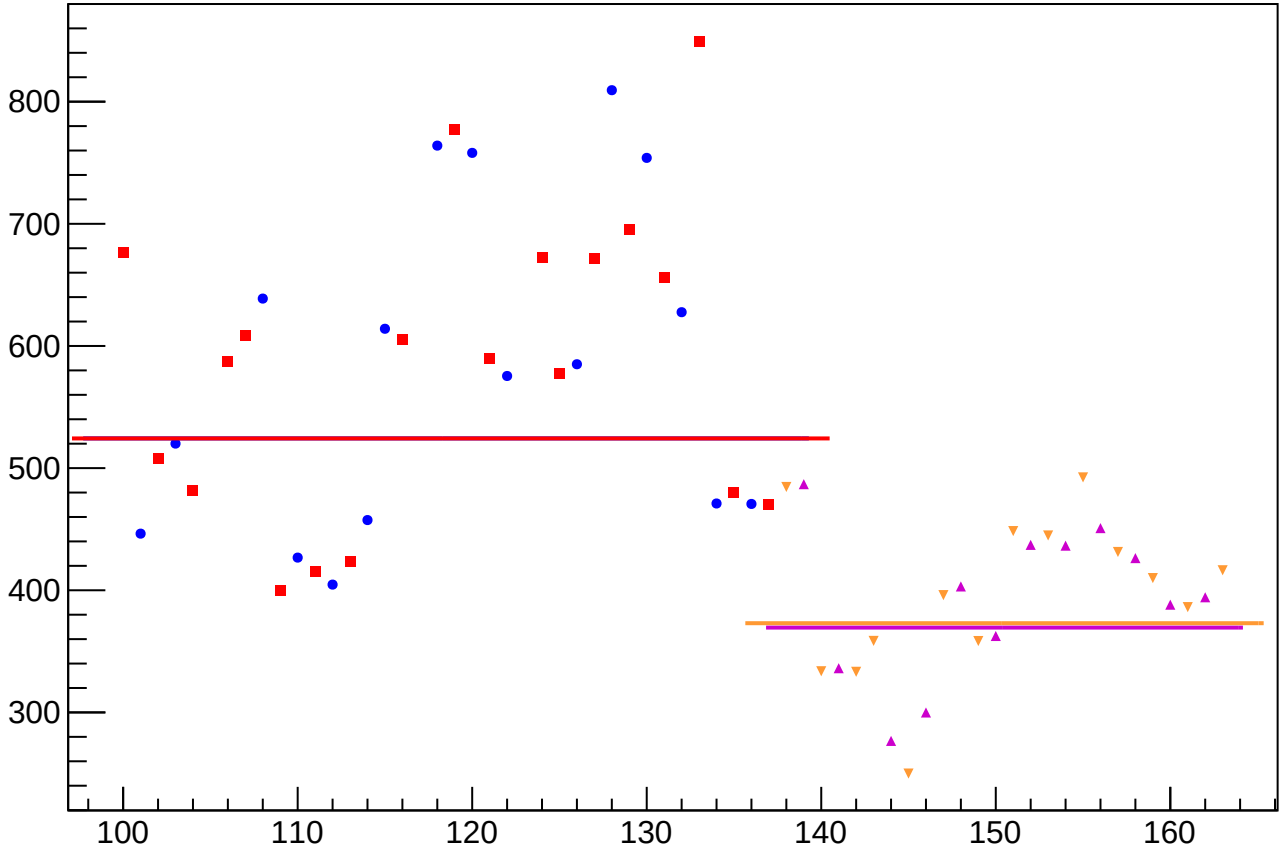
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 34.576+/-101.069 χ^2/NDF:29.6/27

Out: -360.416+/-98.459 χ^2/NDF:58.5/32

All: -168.087+/-70.526 χ^2/NDF: 95.9/60

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: 373.041+/-0.080 χ^2/NDF:771216.6/13

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 369.457+/-0.083 χ^2/NDF:595141.1/11

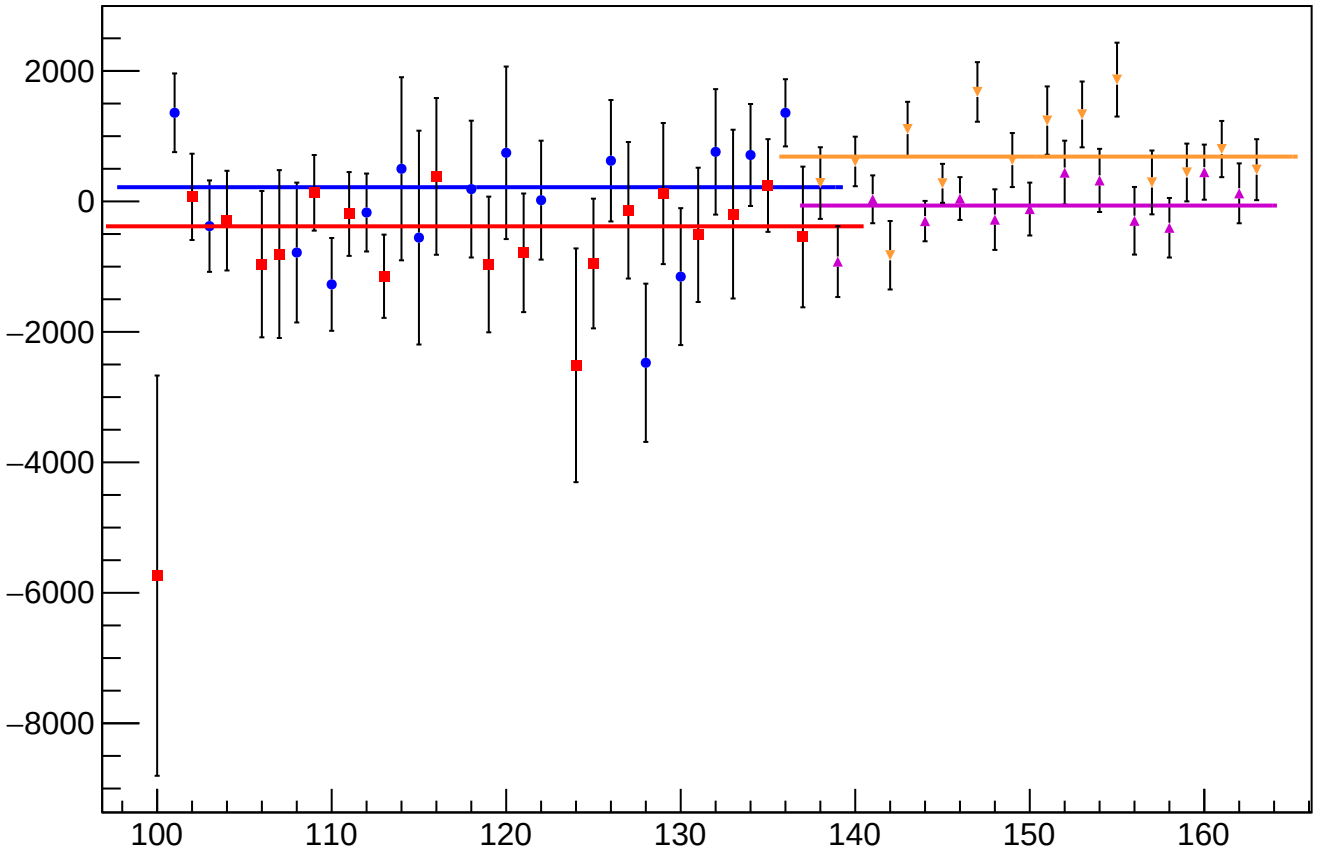
Left: 371.301+/-0.058 χ^2/NDF: 1367323.2/25

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 408.769+/-0.071 χ^2/NDF:2143057.3/27

Out: 410.824+/-0.070 χ^2/NDF:2341861.1/32

All: 409.823+/-0.050 χ^2/NDF: 4485342.6/60



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 686.469+/-118.354 χ^2/NDF:24.8/13

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -63.540+/-120.737 χ^2/NDF:7.6/11

Left: 318.938+/-84.519 χ^2/NDF: 52.1/25

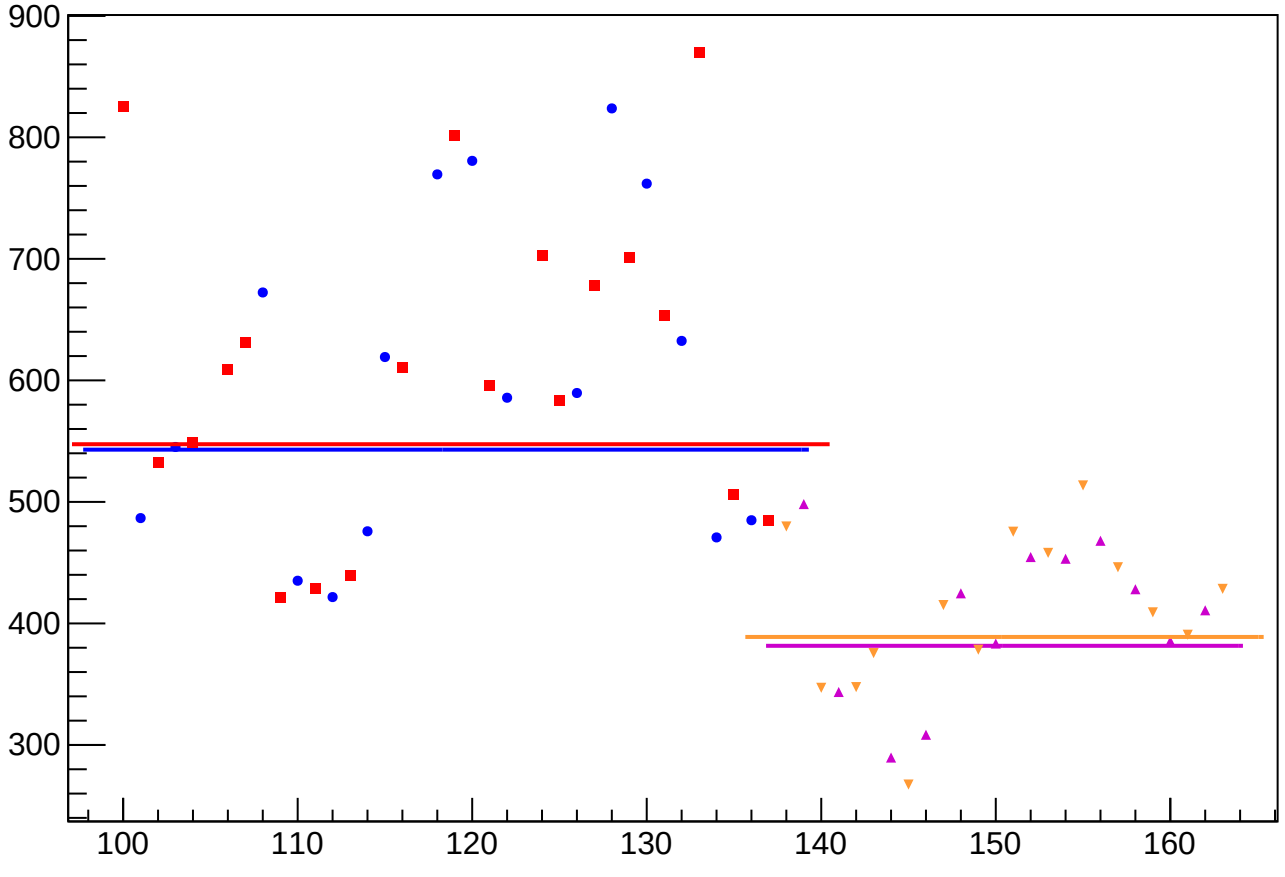
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 7.613+/-104.356 χ^2/NDF:31.9/27

Out: 420.542+/-102.571 χ^2/NDF:55.1/32

All: 217.638+/-73.152 χ^2/NDF: 94.9/60

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 388.883+/-0.084 χ^2/NDF:667160.8/13

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 381.594+/-0.085 χ^2/NDF:580065.7/11

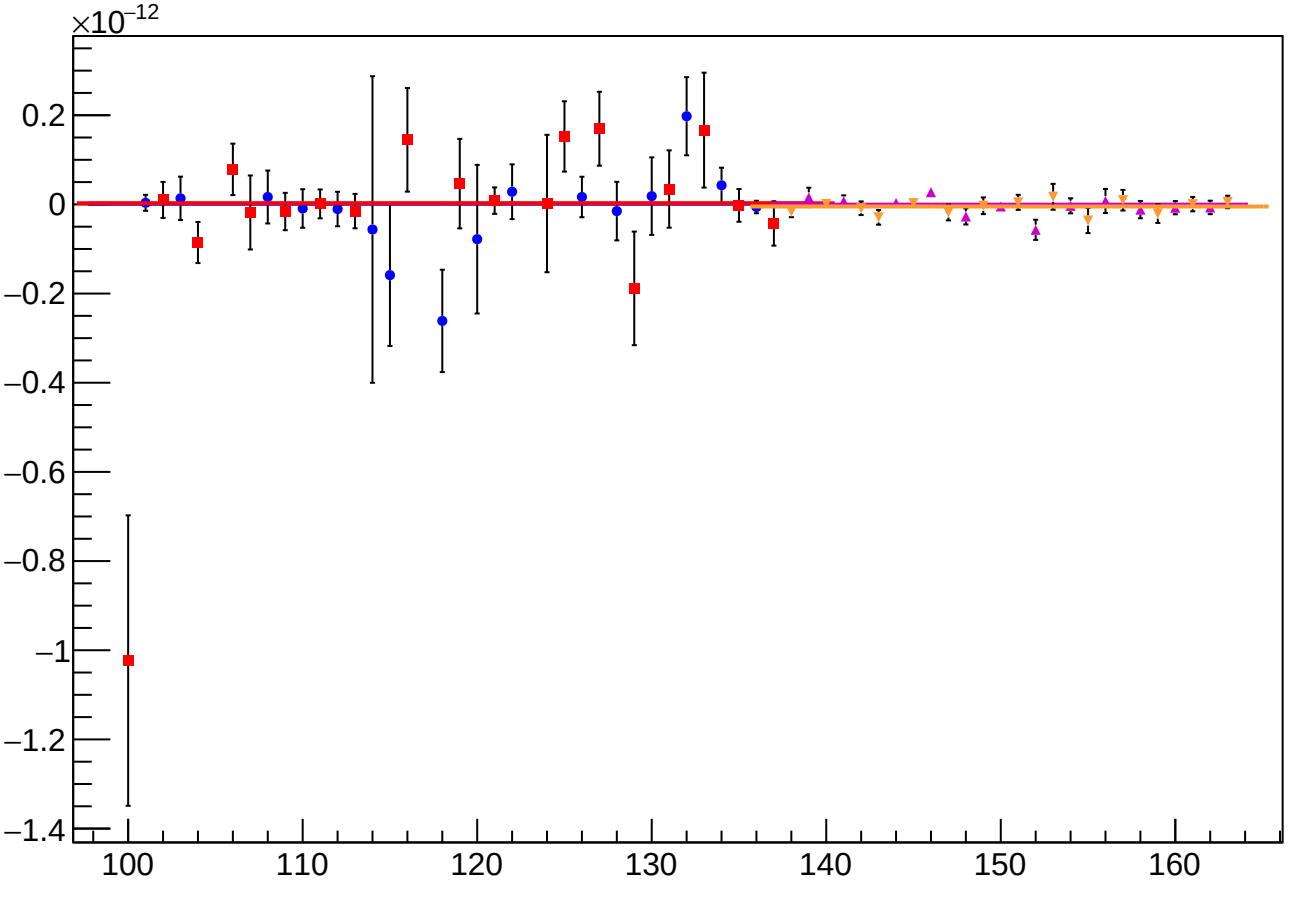
Left: 385.311+/-0.060 χ^2/NDF: 1250943.4/25

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 422.421+/-0.074 χ^2/NDF:2089388.5/27

Out: 428.358+/-0.073 χ^2/NDF:2191236.3/32

All: 425.440+/-0.052 χ^2/NDF: 4283917.4/60



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/11

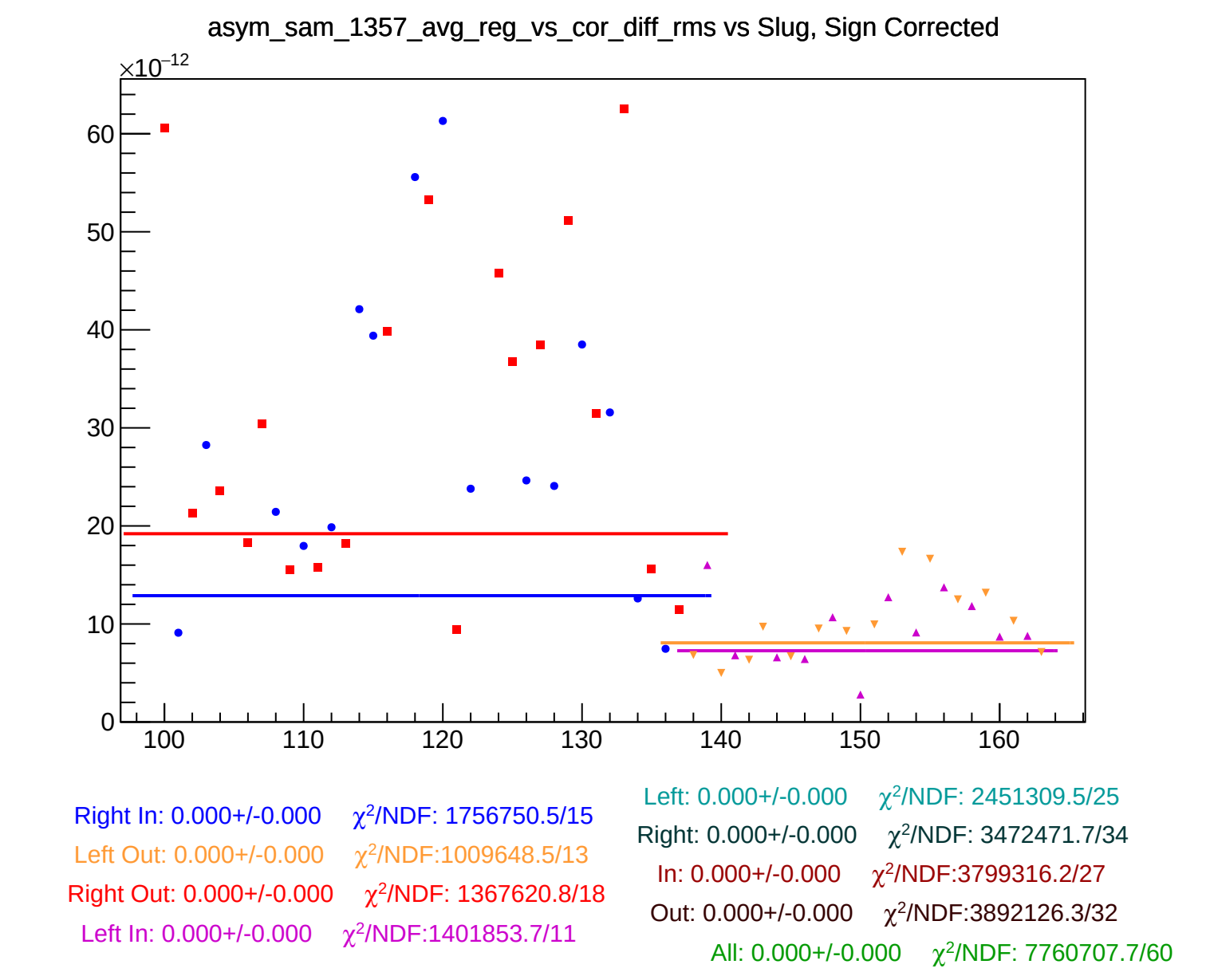
Left: -0.000+/-0.000 χ^2/NDF: 25.6/25

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

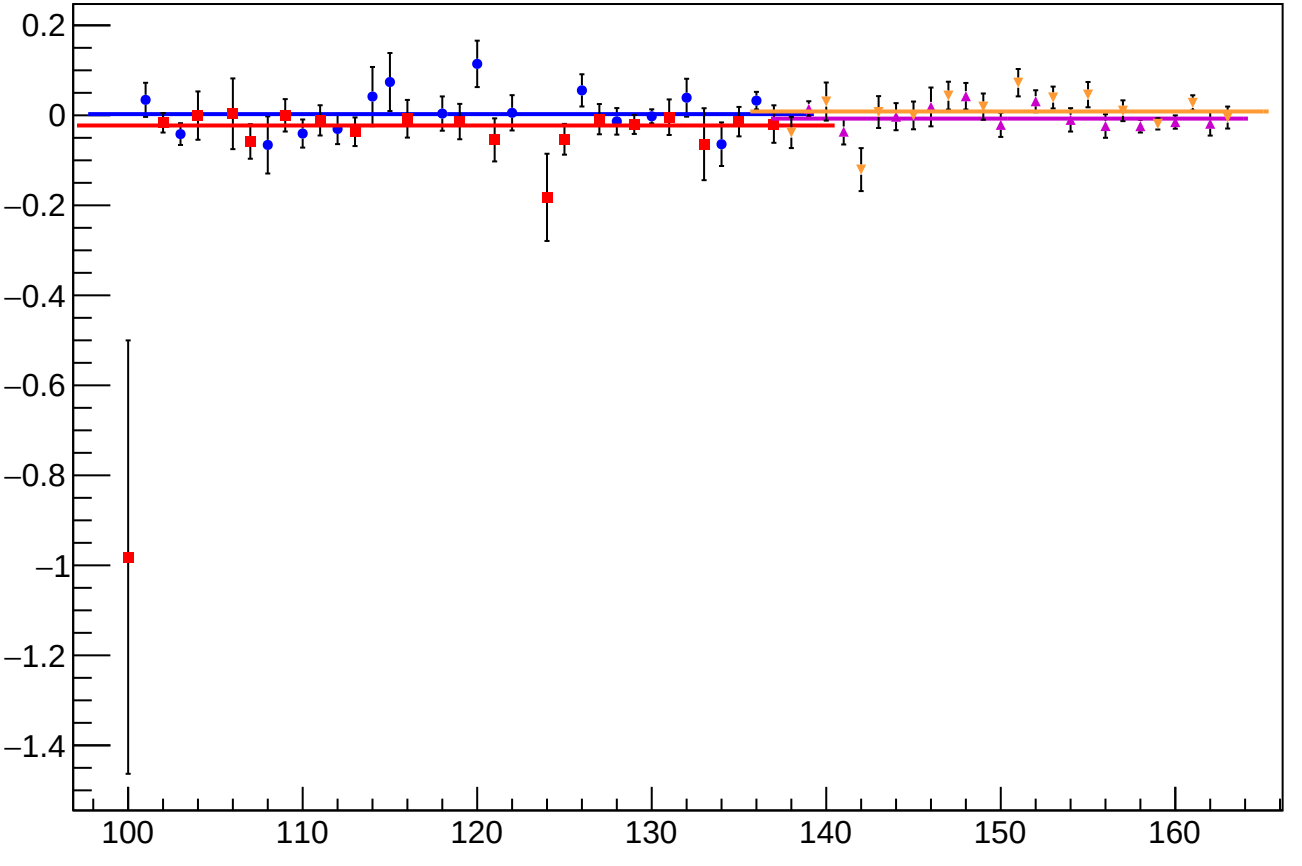
In: -0.000+/-0.000 χ^2/NDF:30.4/27

Out: -0.000+/-0.000 χ^2/NDF:38.7/32

All: -0.000+/-0.000 χ^2/NDF: 69.5/60


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1009648.5/13
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1401853.7/11
Left: 0.000+/-0.000 χ²/NDF: 2451309.5/25
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3799316.2/27
Out: 0.000+/-0.000 χ²/NDF:3892126.3/32
All: 0.000+/-0.000 χ²/NDF: 7760707.7/60

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.006 χ^2/NDF:10.9/11

Left: 0.000+/-0.005 χ^2/NDF: 38.9/25

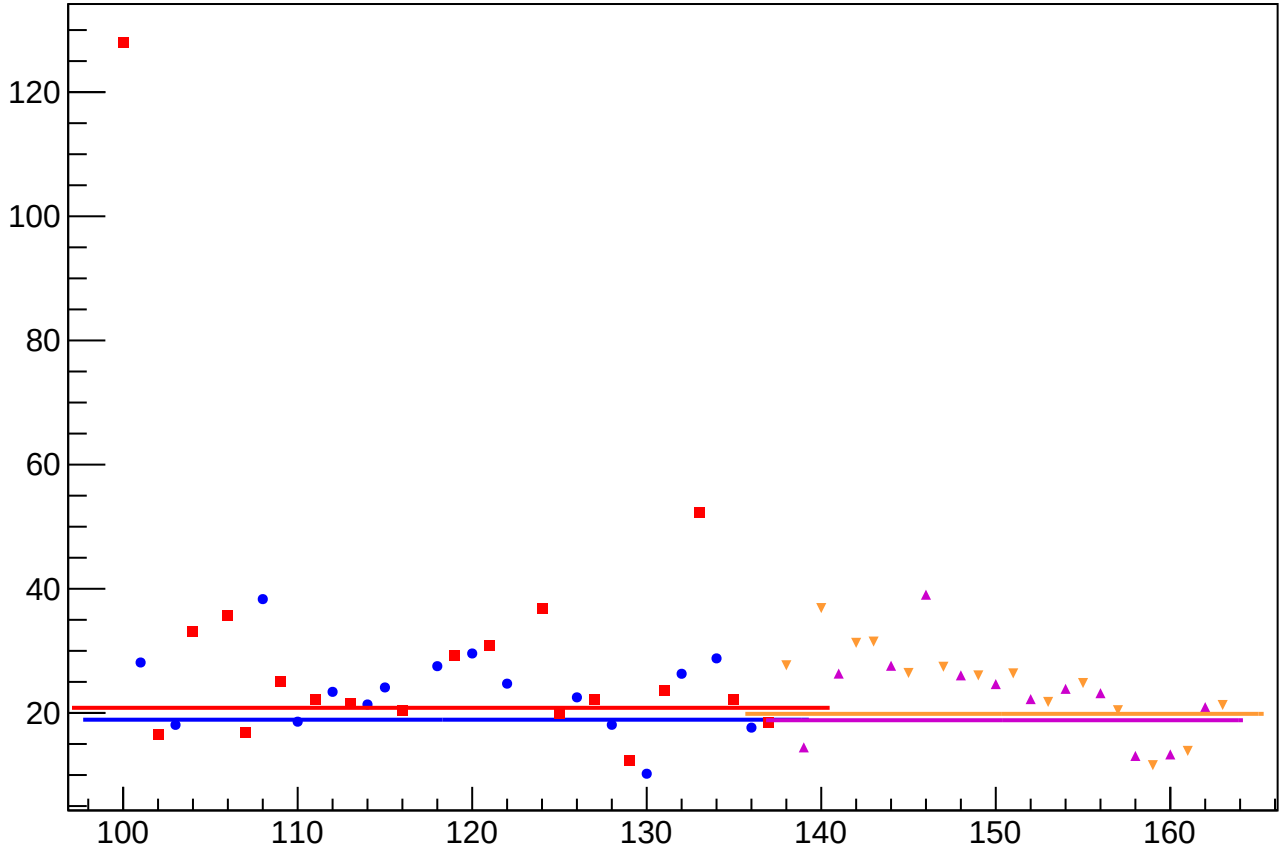
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.8/27

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.003+/-0.004 χ^2/NDF: 78.1/60

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.855+/-0.005 χ^2/NDF:2337451.6/13

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.825+/-0.005 χ^2/NDF:1880738.5/11

Left: 19.327+/-0.003 χ^2/NDF: 4243444.1/25

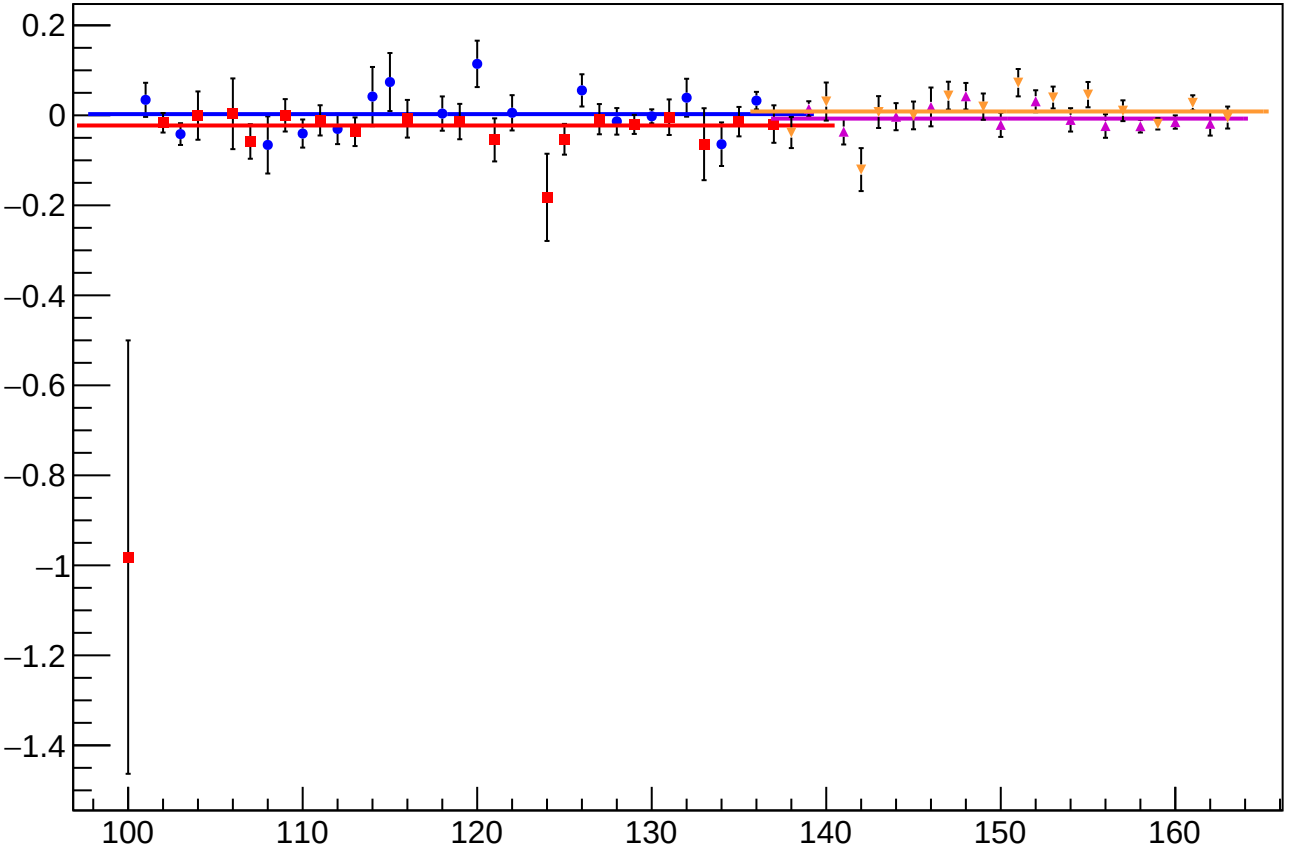
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.860+/-0.003 χ^2/NDF:3271234.0/27

Out: 20.220+/-0.004 χ^2/NDF:3645499.8/32

All: 19.508+/-0.003 χ^2/NDF: 6988852.0/60

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.006 χ^2/NDF:10.9/11

Left: 0.000+/-0.005 χ^2/NDF: 38.9/25

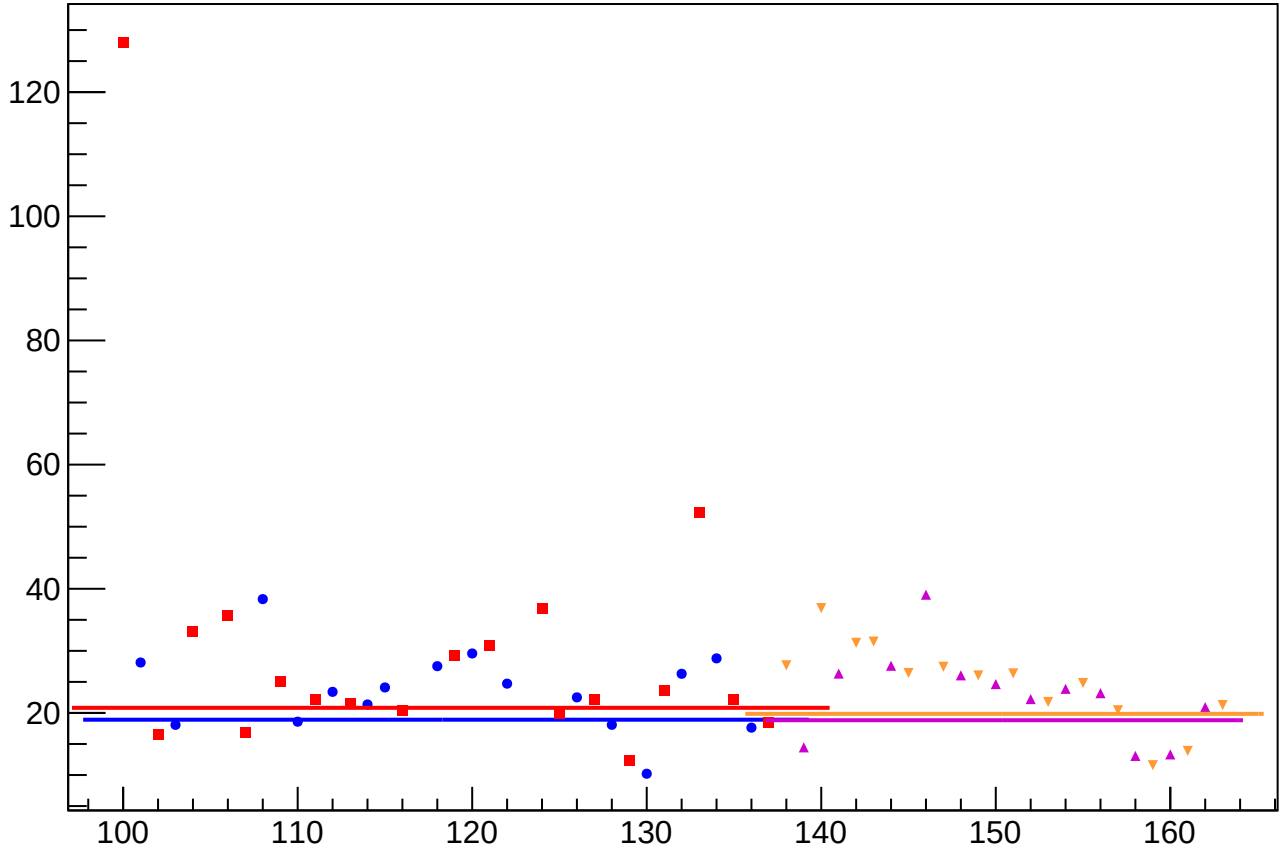
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.8/27

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.003+/-0.004 χ^2/NDF: 78.1/60

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: 19.855+/-0.005 χ^2/NDF:2337451.6/13

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 18.825+/-0.005 χ^2/NDF:1880738.5/11

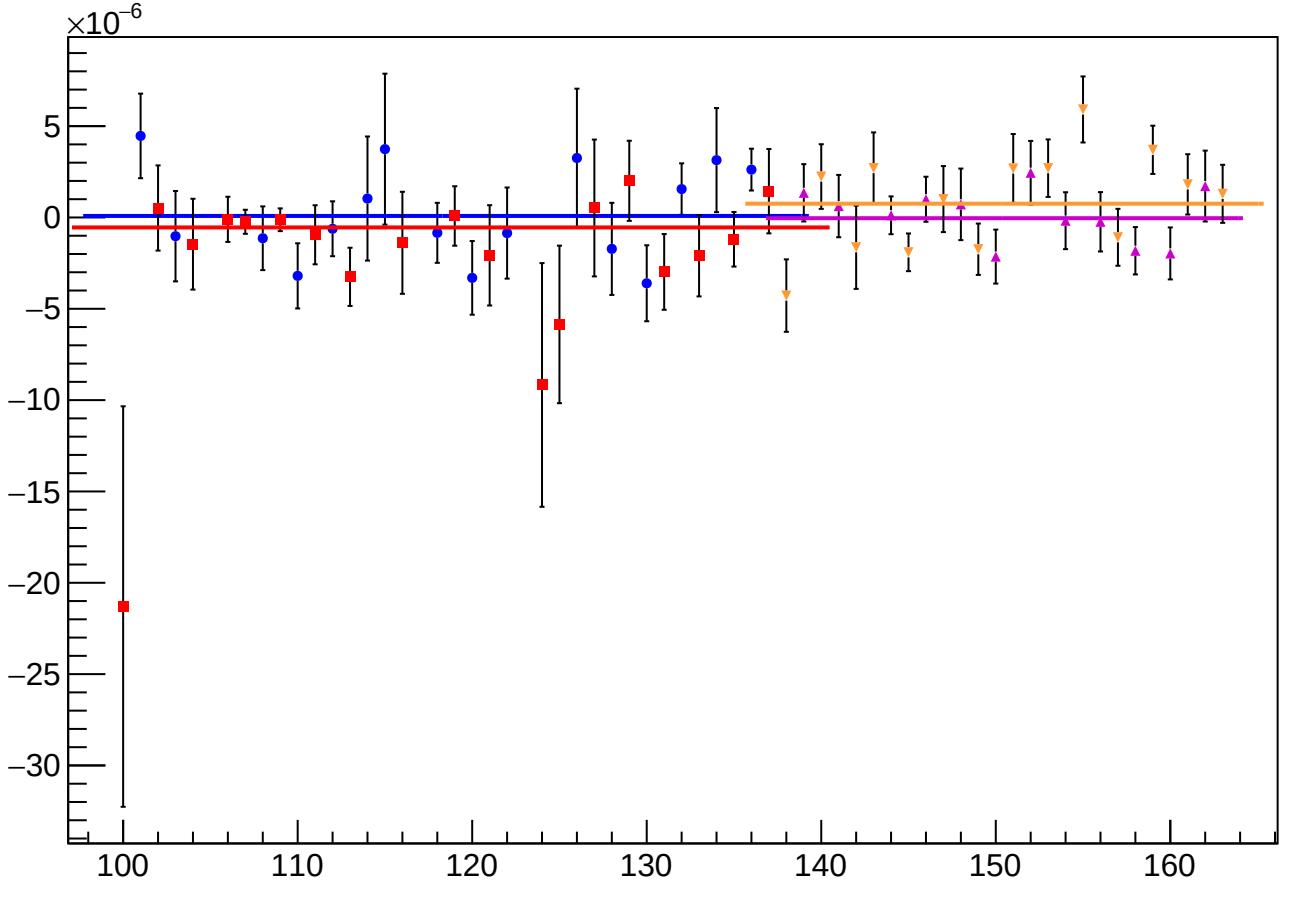
Left: 19.327+/-0.003 χ^2/NDF: 4243444.1/25

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 18.860+/-0.003 χ^2/NDF:3271234.0/27

Out: 20.220+/-0.004 χ^2/NDF:3645499.8/32

All: 19.508+/-0.003 χ^2/NDF: 6988852.0/60



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/13

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/11

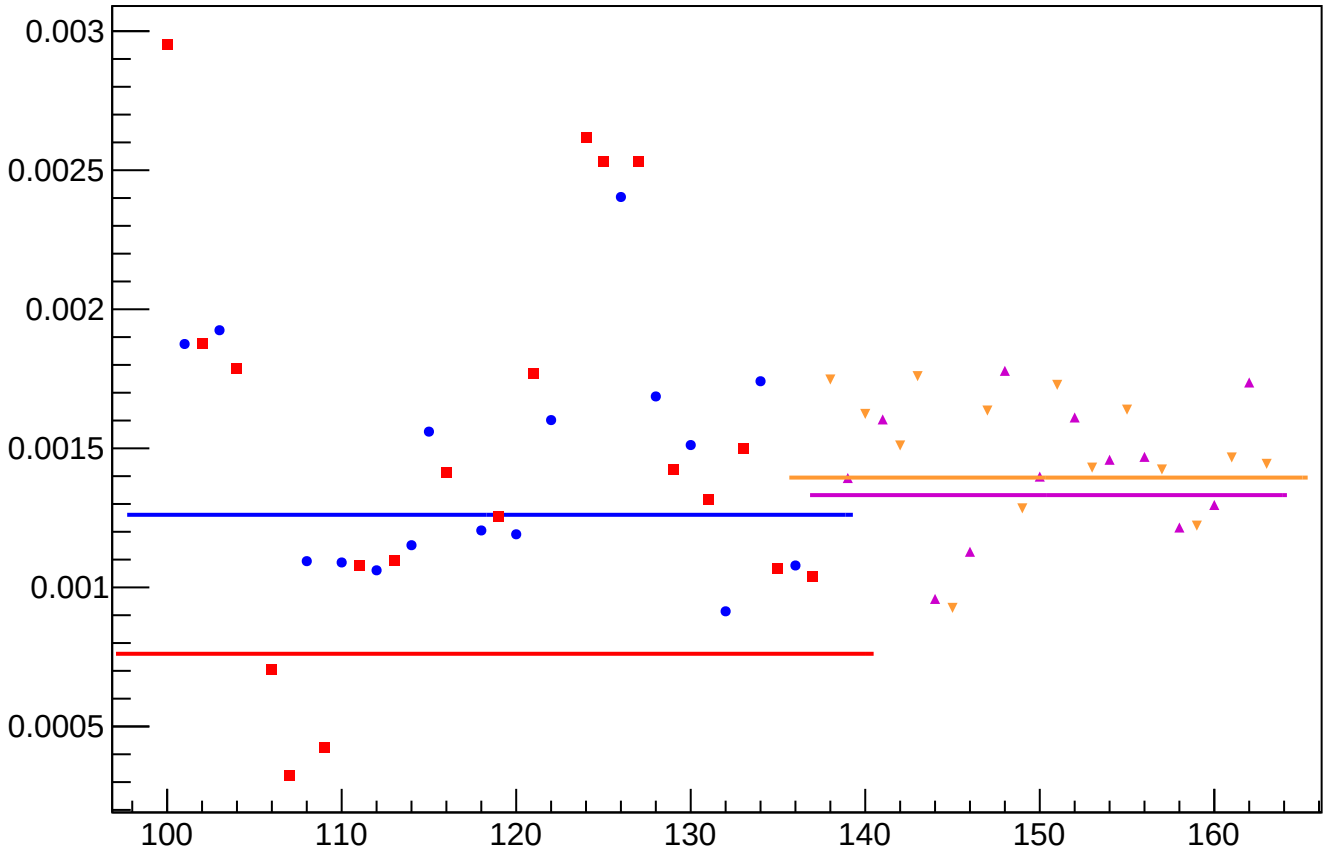
Left: 0.000+/-0.000 χ^2/NDF: 48.9/25

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:34.0/27

Out: -0.000+/-0.000 χ^2/NDF:58.0/32

All: -0.000+/-0.000 χ^2/NDF: 92.1/60



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:772446.0/13

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:660345.0/11

Left: 0.001+/-0.000 χ^2/NDF: 1454757.7/25

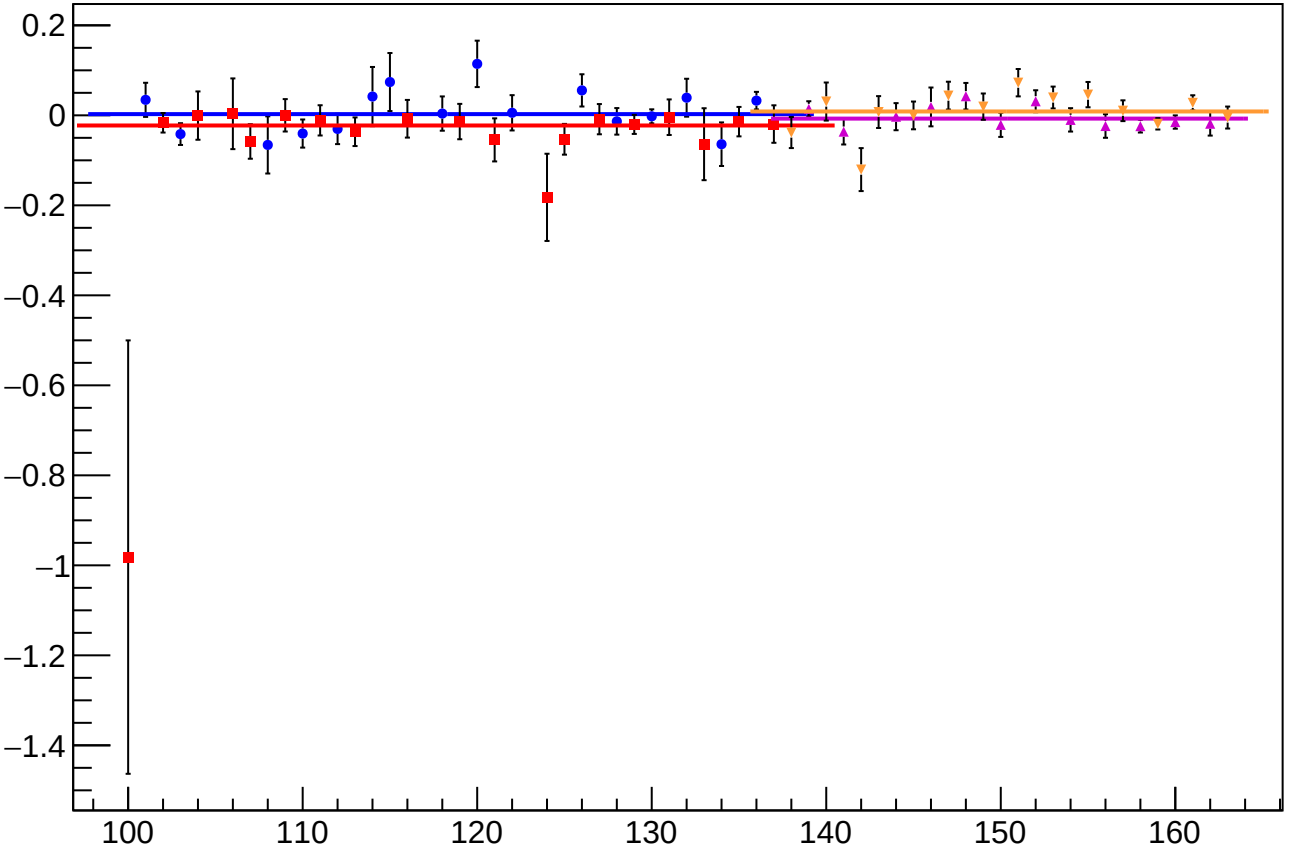
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1591635.3/27

Out: 0.001+/-0.000 χ^2/NDF:8159609.7/32

All: 0.001+/-0.000 χ^2/NDF: 10756312.3/60

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.006 χ^2/NDF:10.9/11

Left: 0.000+/-0.005 χ^2/NDF: 38.9/25

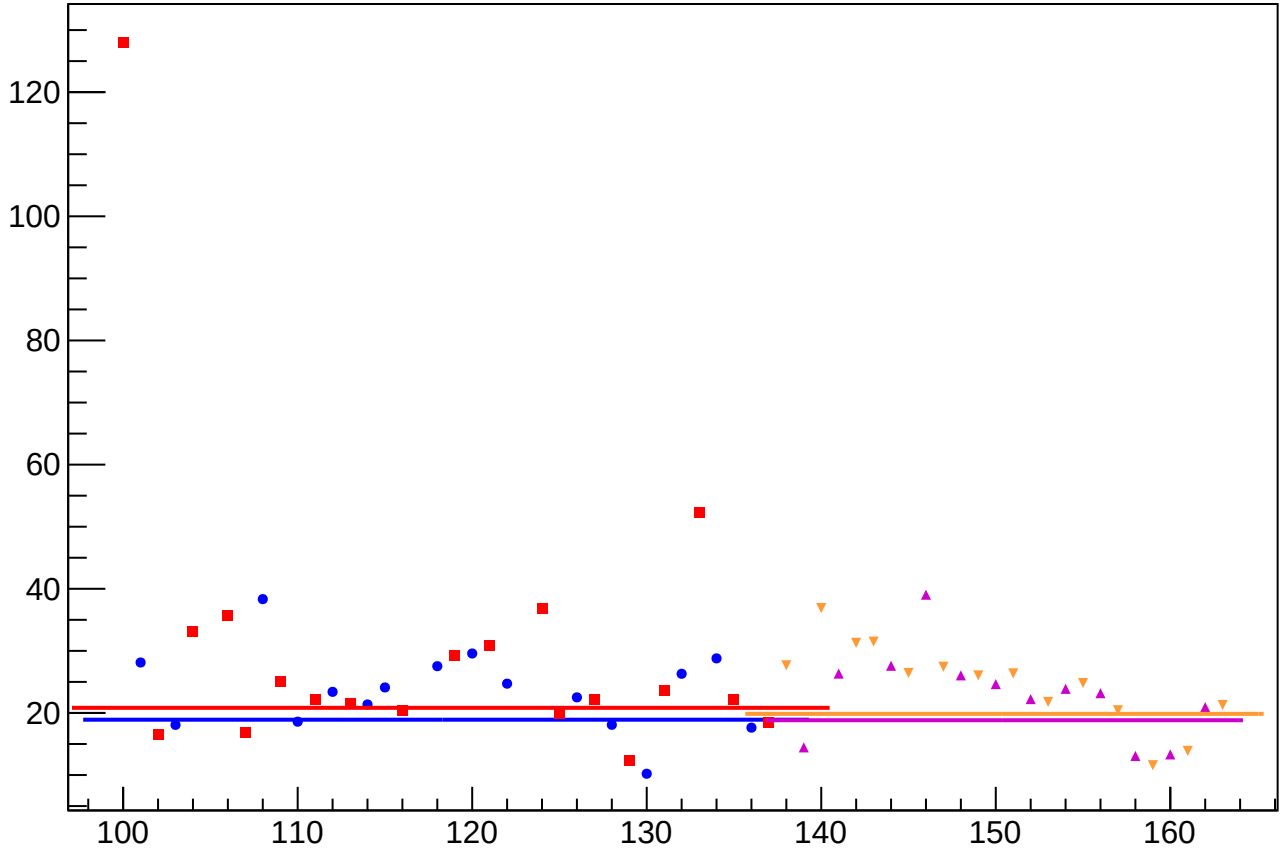
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.8/27

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.003+/-0.004 χ^2/NDF: 78.1/60

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: 19.855+/-0.005 χ^2/NDF:2337658.8/13

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.825+/-0.005 χ^2/NDF:1880838.0/11

Left: 19.327+/-0.003 χ^2/NDF: 4243744.3/25

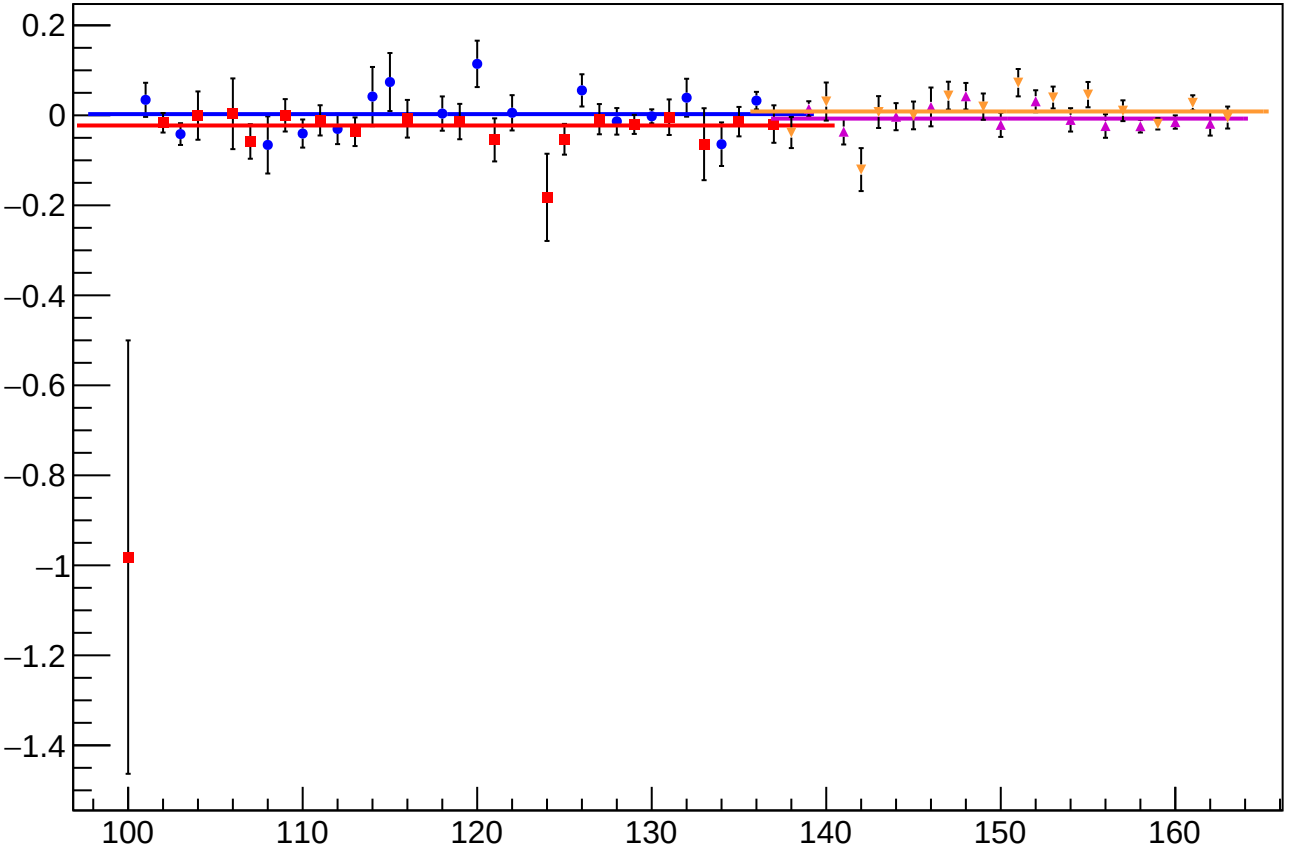
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.860+/-0.003 χ^2/NDF:3271218.6/27

Out: 20.220+/-0.004 χ^2/NDF:3645708.4/32

All: 19.509+/-0.003 χ^2/NDF: 6989027.0/60

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.009+/-0.007 χ^2/NDF:25.1/13

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.007+/-0.006 χ^2/NDF:10.9/11

Left: 0.000+/-0.005 χ^2/NDF: 38.9/25

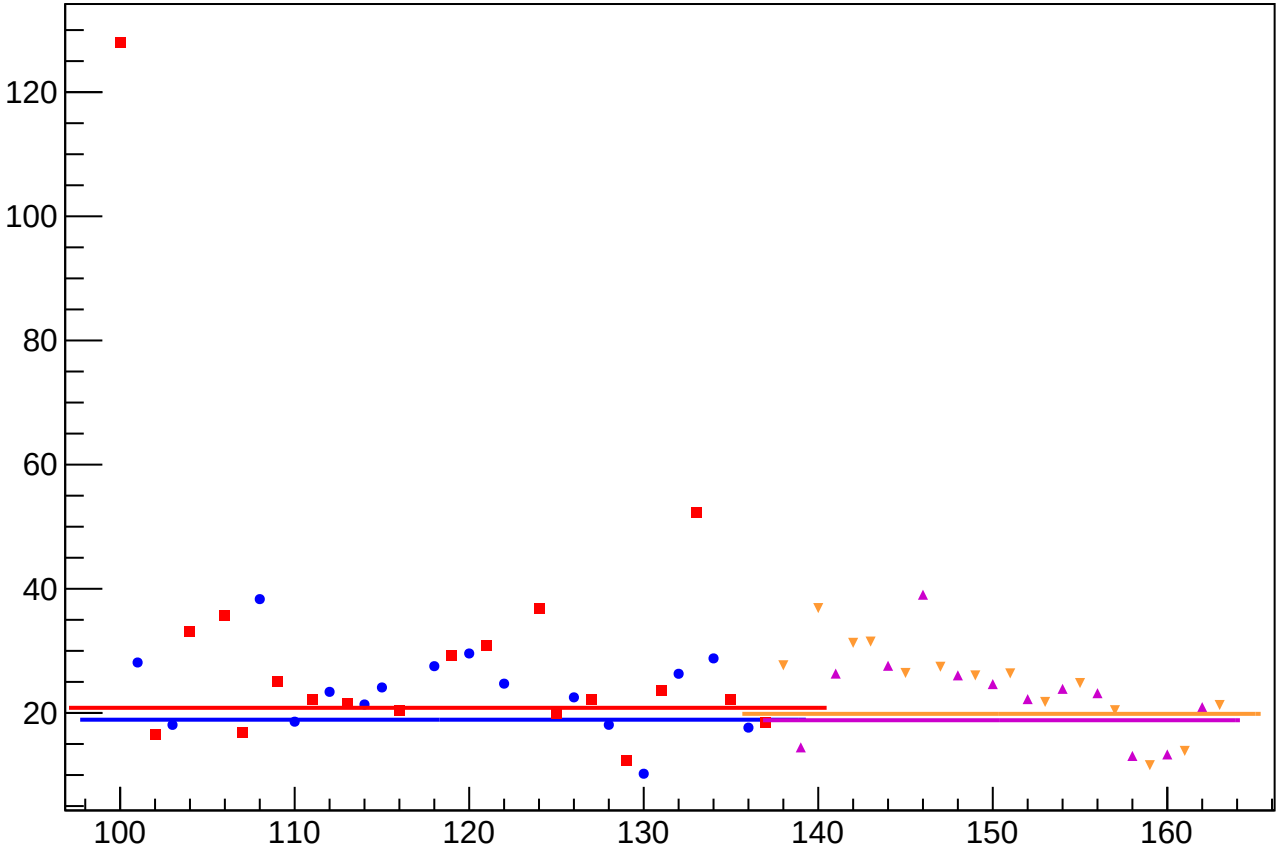
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:33.8/27

Out: -0.003+/-0.005 χ^2/NDF:44.3/32

All: -0.003+/-0.004 χ^2/NDF: 78.1/60

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: 19.855+/-0.005 χ^2/NDF:2337658.8/13

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 18.825+/-0.005 χ^2/NDF:1880838.0/11

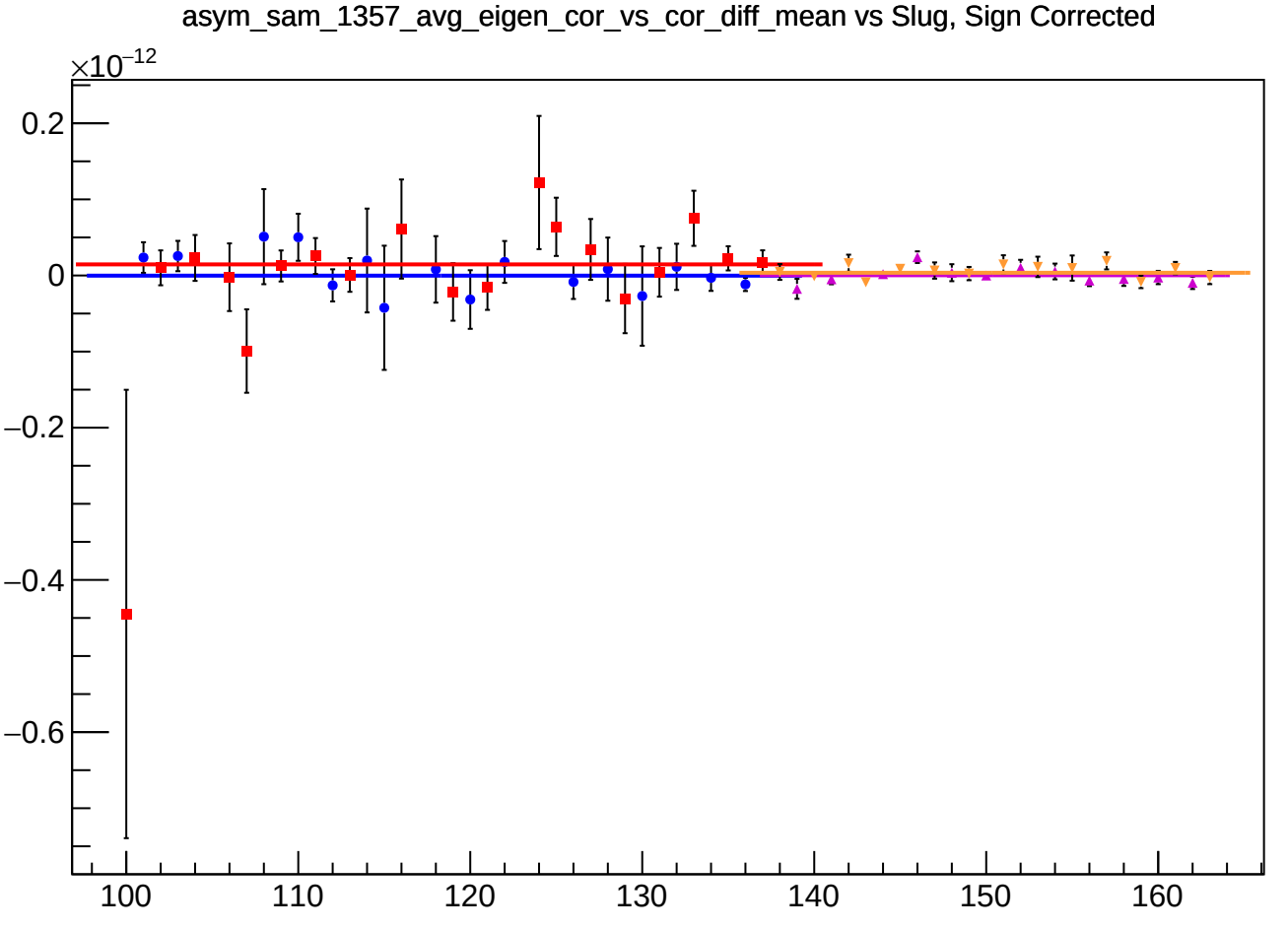
Left: 19.327+/-0.003 χ^2/NDF: 4243744.3/25

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 18.860+/-0.003 χ^2/NDF:3271218.6/27

Out: 20.220+/-0.004 χ^2/NDF:3645708.4/32

All: 19.509+/-0.003 χ^2/NDF: 6989027.0/60



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/13

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/11

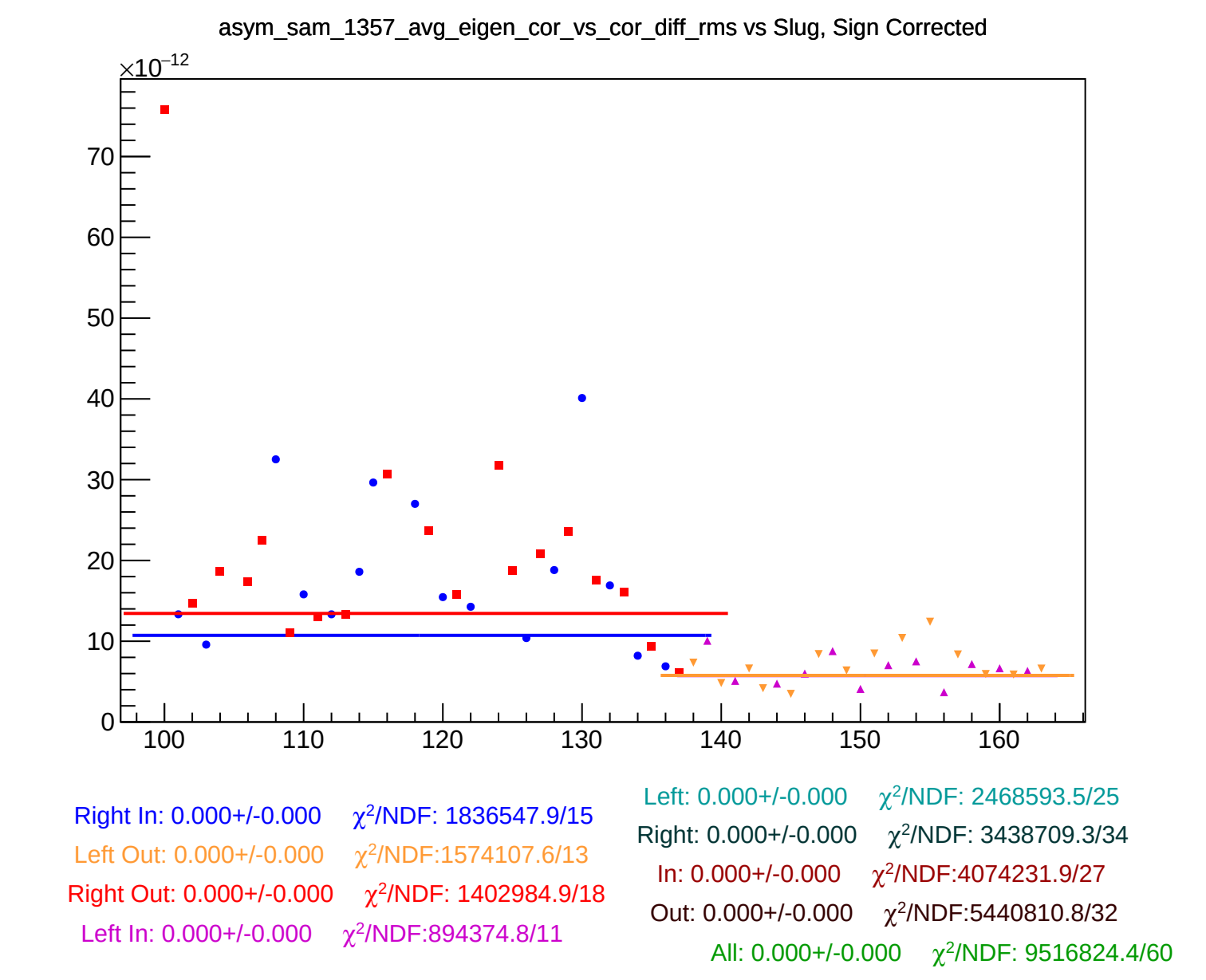
Left: 0.000+/-0.000 χ^2/NDF: 30.5/25

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

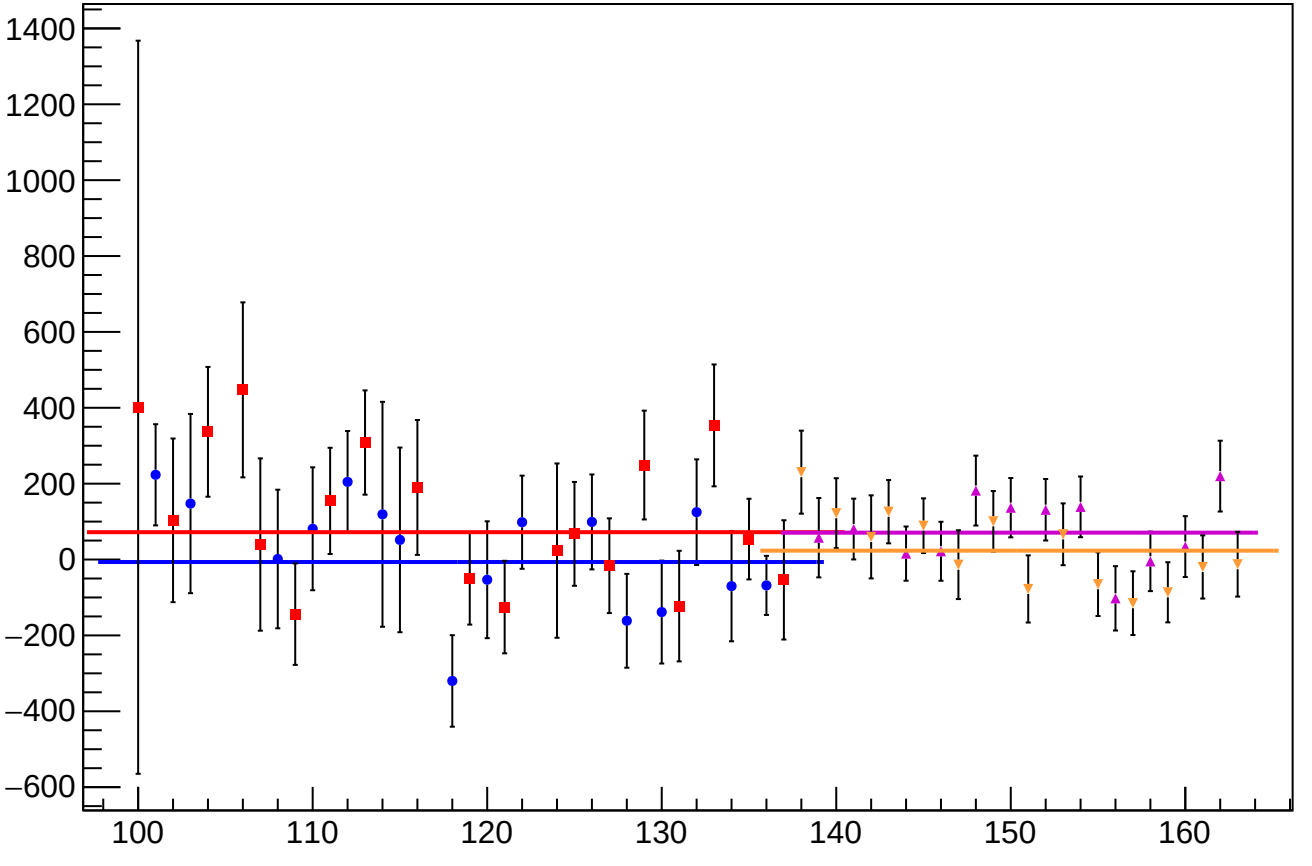
In: 0.000+/-0.000 χ^2/NDF:26.7/27

Out: 0.000+/-0.000 χ^2/NDF:33.5/32

All: 0.000+/-0.000 χ^2/NDF: 62.3/60


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1574107.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:894374.8/11
Left: 0.000+/-0.000 χ²/NDF: 2468593.5/25
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4074231.9/27
Out: 0.000+/-0.000 χ²/NDF:5440810.8/32
All: 0.000+/-0.000 χ²/NDF: 9516824.4/60

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.353+/-22.928 χ^2/NDF:16.1/13

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 70.860+/-23.771 χ^2/NDF:12.3/11

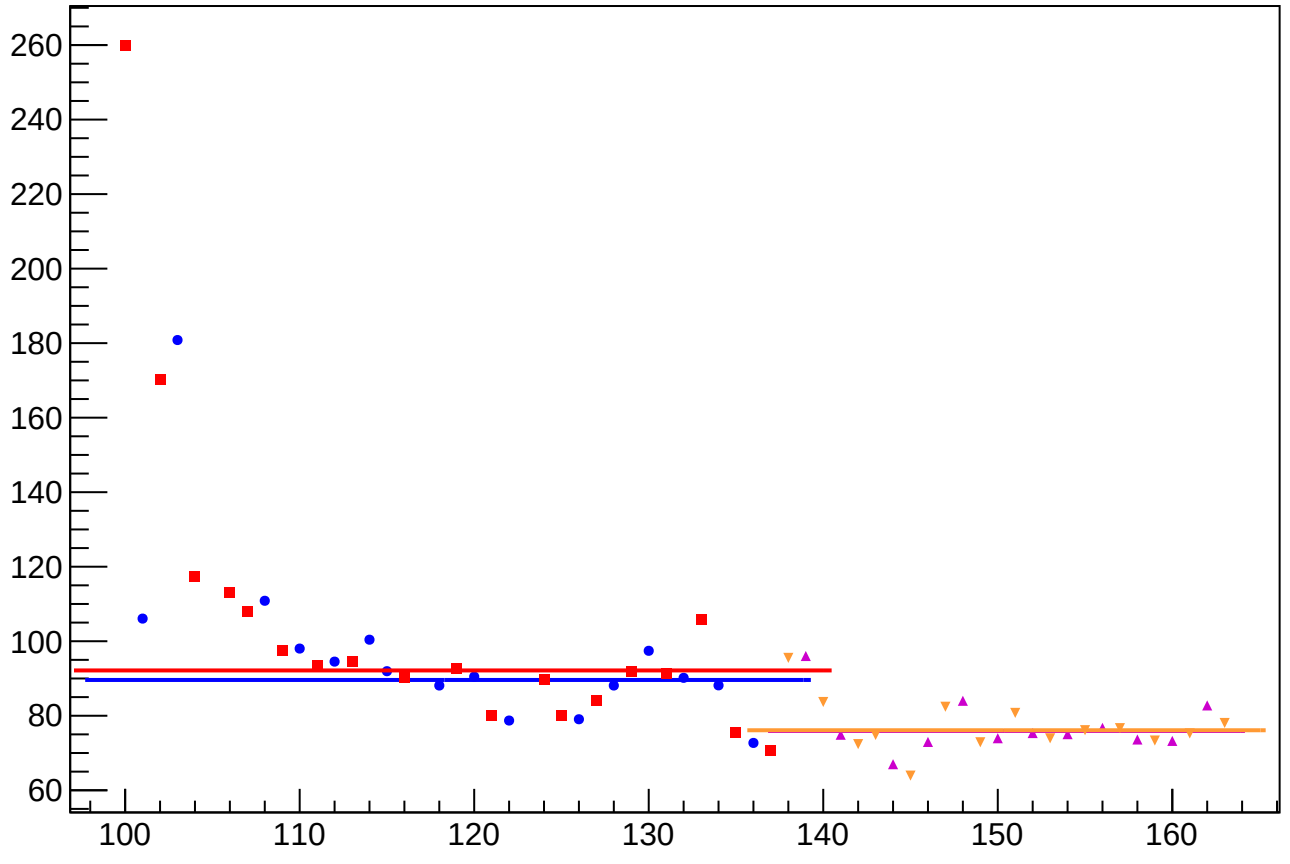
Left: 46.249+/-16.503 χ^2/NDF: 30.4/25

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 45.727+/-19.535 χ^2/NDF:34.7/27

Out: 38.067+/-19.160 χ^2/NDF:40.2/32

All: 41.823+/-13.679 χ^2/NDF: 75.0/60



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.907+/-0.017 χ^2/NDF:140189.2/11

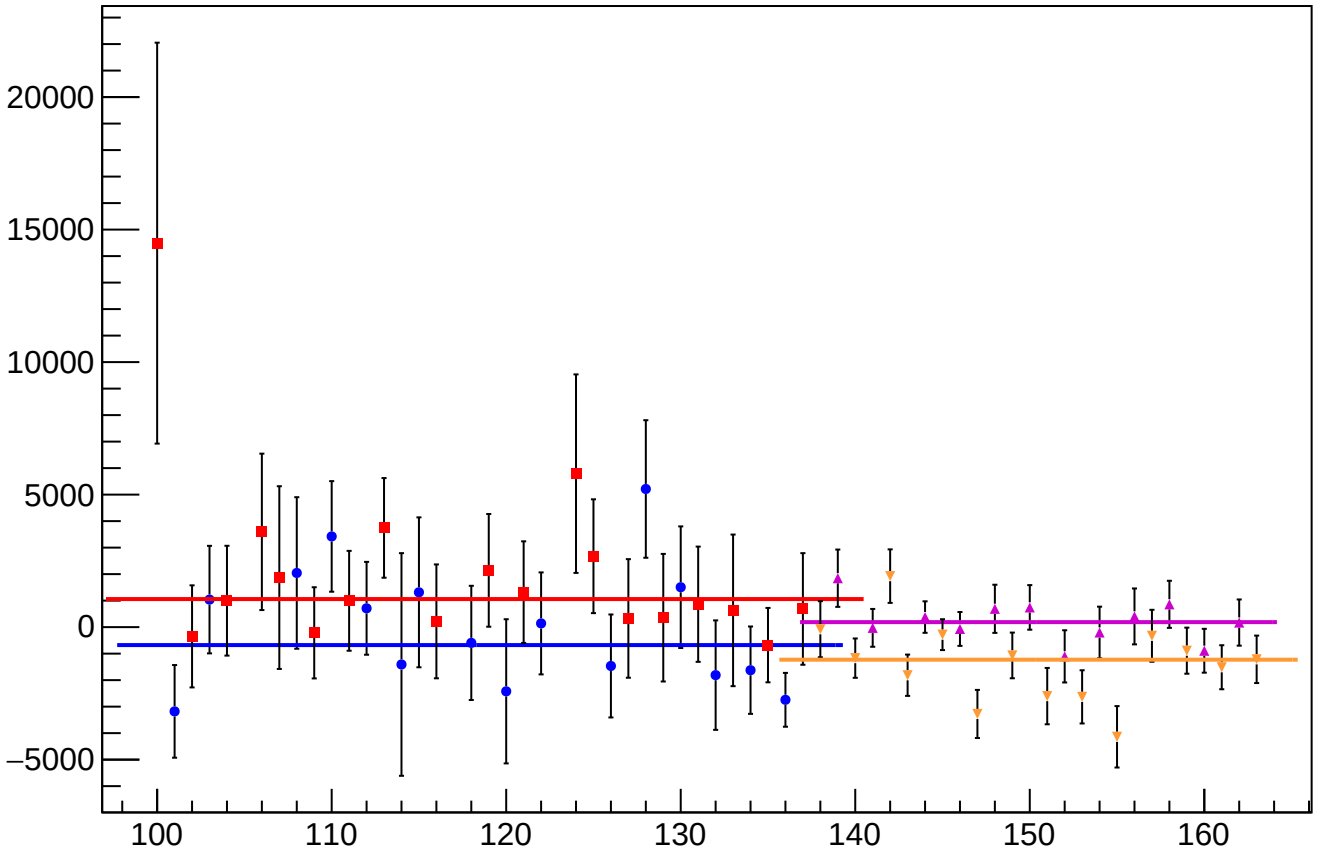
Left: 76.010+/-0.012 χ^2/NDF: 300287.8/25

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 80.353+/-0.014 χ^2/NDF:854125.1/27

Out: 80.950+/-0.014 χ^2/NDF:997961.2/32

All: 80.657+/-0.010 χ^2/NDF: 1853035.5/60



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1228.793+/-232.287 χ^2/NDF:30.3/13

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 188.543+/-237.306 χ^2/NDF:7.6/11

Left: -535.272+/-165.998 χ^2/NDF: 56.2/25

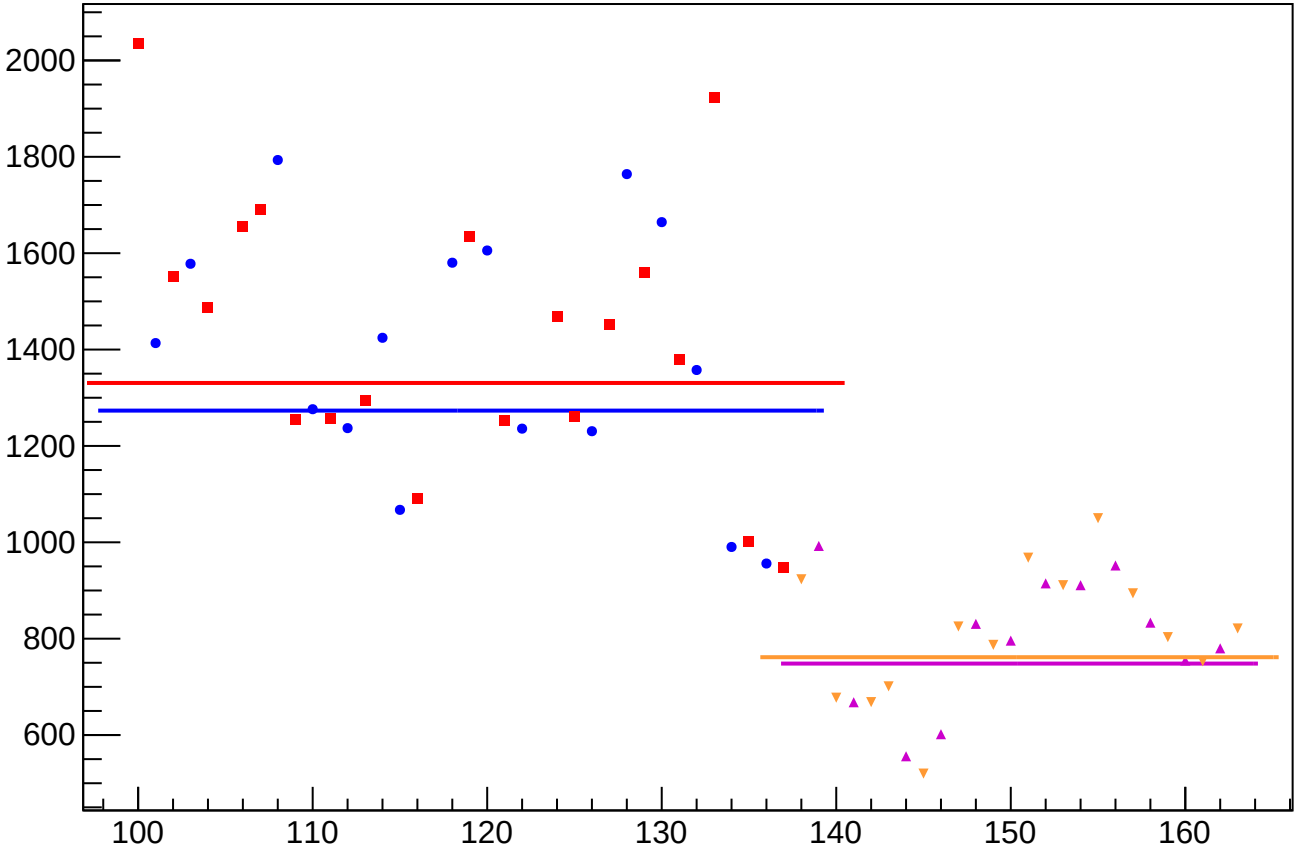
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 22.101+/-213.283 χ^2/NDF:30.5/27

Out: -817.799+/-210.387 χ^2/NDF:59.2/32

All: -403.590+/-149.780 χ^2/NDF: 97.5/60

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: 761.556+/-0.164 χ^2/NDF:751820.0/13

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 748.310+/-0.168 χ^2/NDF:673514.2/11

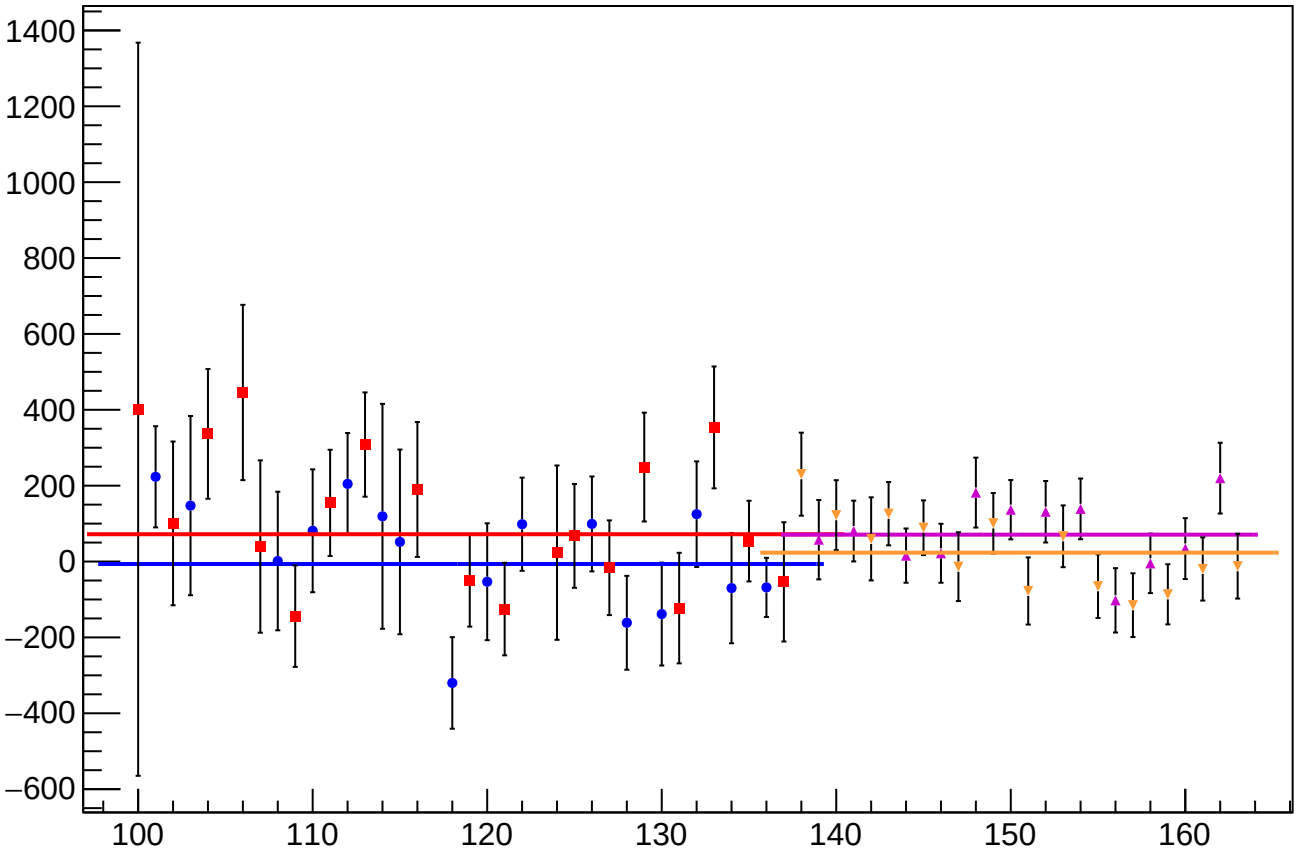
Left: 755.075+/-0.117 χ^2/NDF: 1428516.5/25

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 849.225+/-0.151 χ^2/NDF:3152683.1/27

Out: 863.809+/-0.149 χ^2/NDF:3379587.6/32

All: 856.617+/-0.106 χ^2/NDF: 6537009.9/60



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 70.860+/-23.771 χ^2/NDF:12.3/11

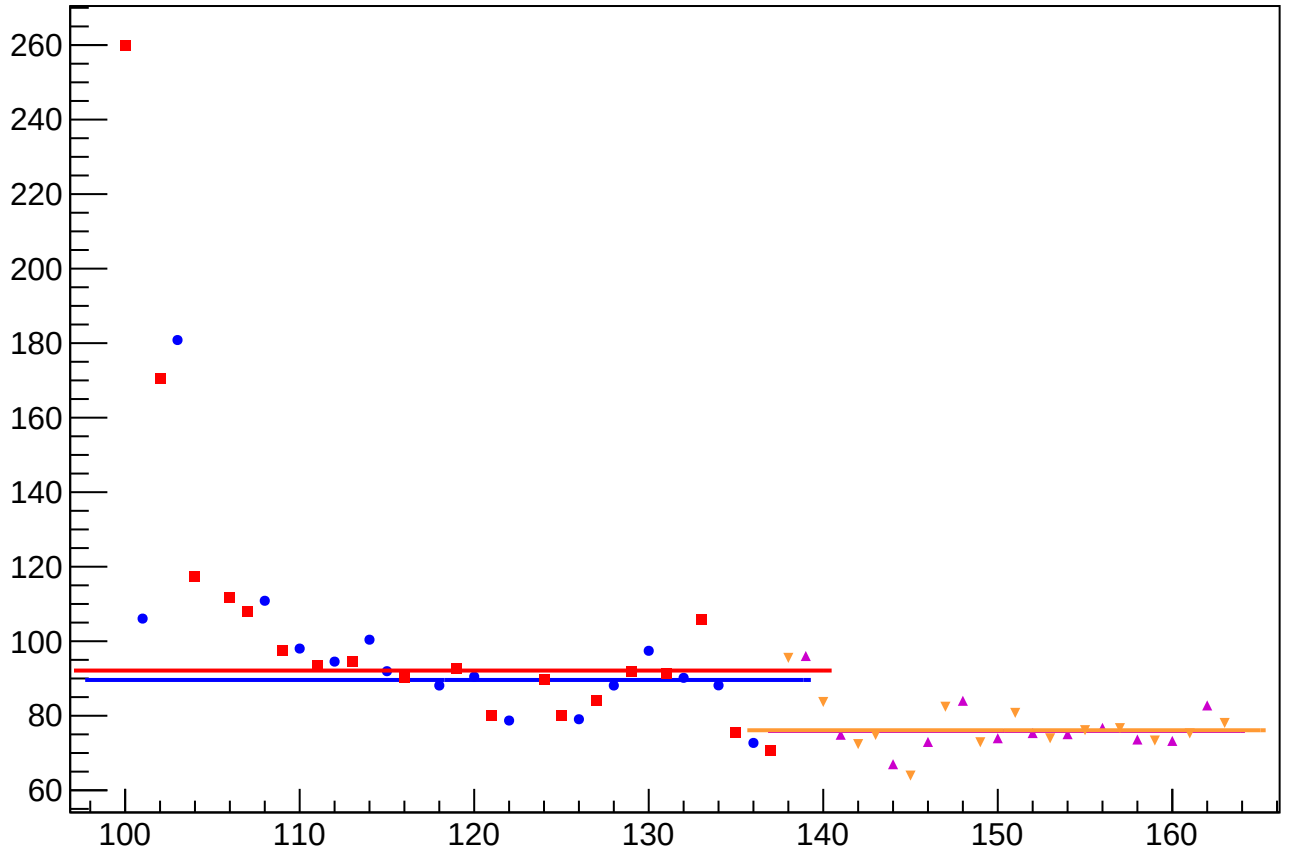
Left: 46.252+/-16.503 χ^2/NDF: 30.4/25

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 45.724+/-19.535 χ^2/NDF:34.7/27

Out: 38.026+/-19.160 χ^2/NDF:40.2/32

All: 41.800+/-13.679 χ^2/NDF: 74.9/60



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.907+/-0.017 χ^2/NDF:140189.2/11

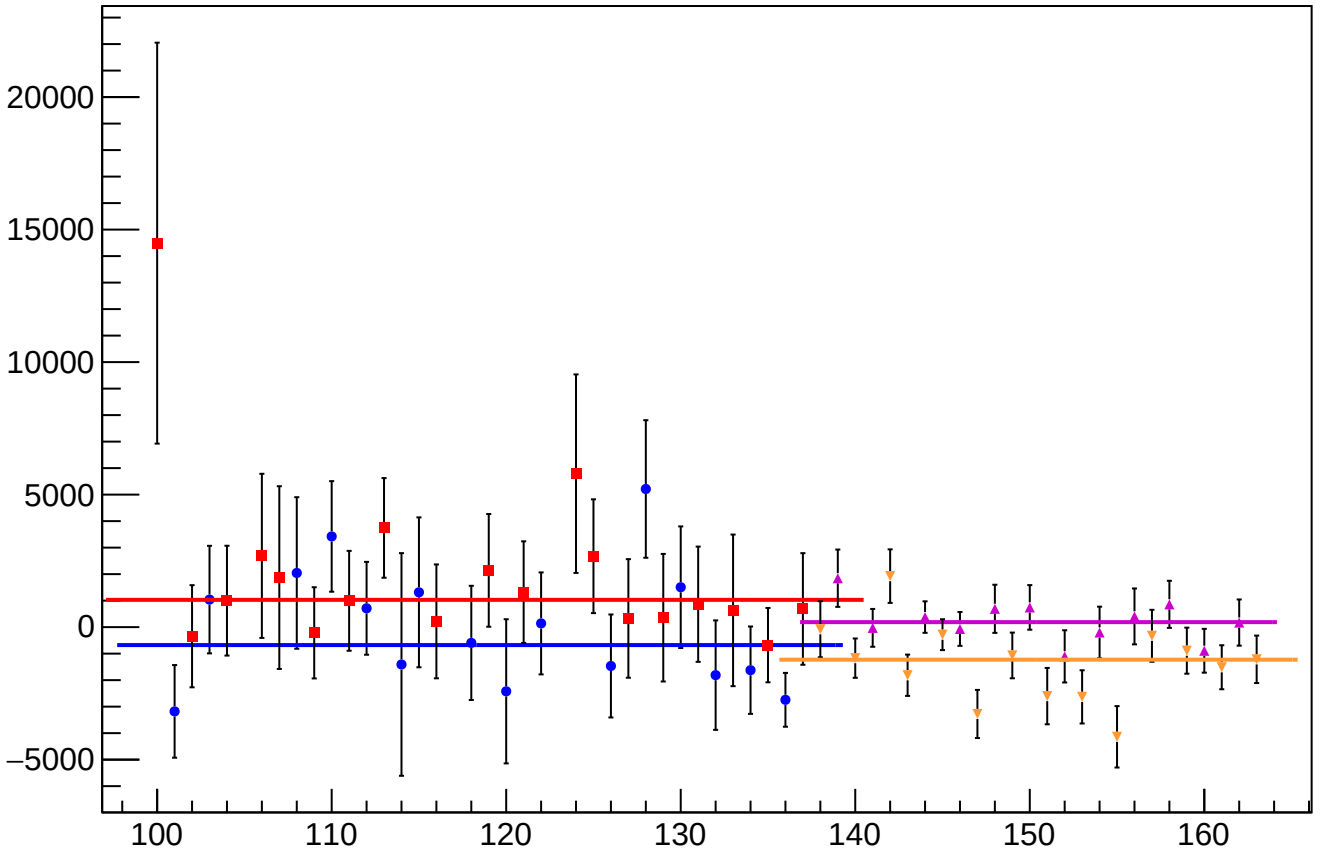
Left: 76.010+/-0.012 χ^2/NDF: 300287.7/25

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.353+/-0.014 χ^2/NDF:854128.6/27

Out: 80.940+/-0.014 χ^2/NDF:995002.1/32

All: 80.652+/-0.010 χ^2/NDF: 1850048.5/60



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1228.787+/-232.287 χ^2/NDF:30.3/13

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 188.545+/-237.306 χ^2/NDF:7.6/11

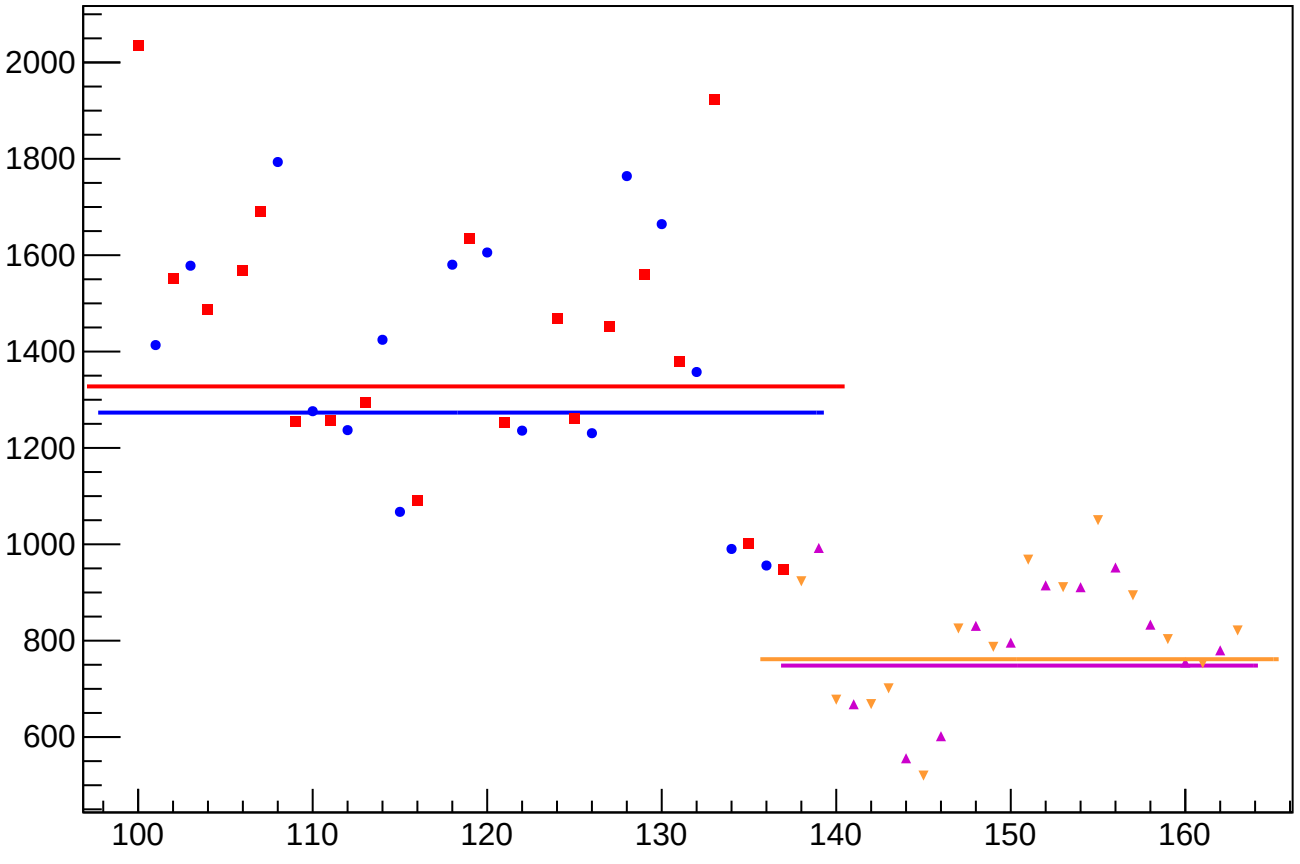
Left: -535.269+/-165.998 χ^2/NDF: 56.2/25

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 22.110+/-213.283 χ^2/NDF:30.5/27

Out: -823.964+/-210.438 χ^2/NDF:58.2/32

All: -406.608+/-149.798 χ^2/NDF: 96.7/60



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 748.310+/-0.168 χ^2/NDF:673511.8/11

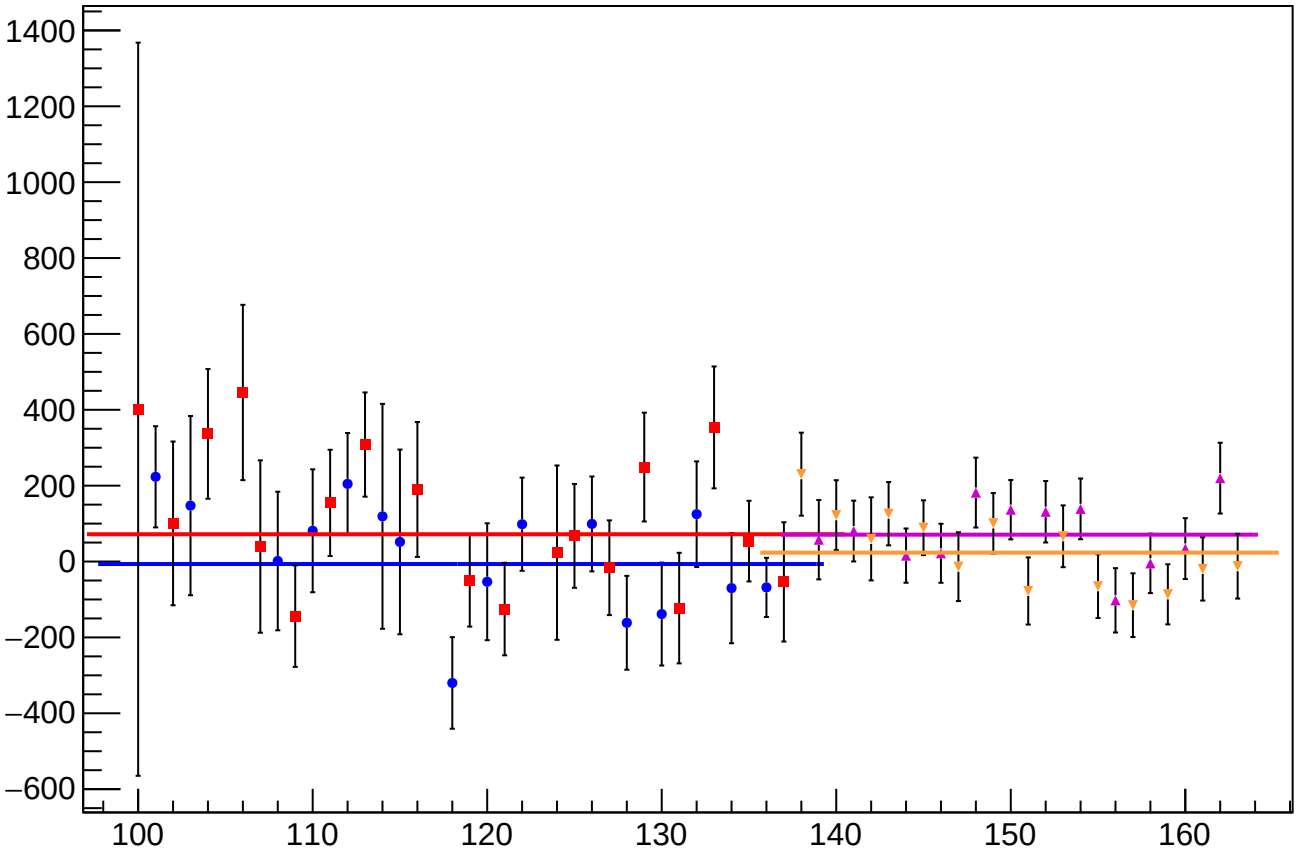
Left: 755.075+/-0.117 χ^2/NDF: 1428517.1/25

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 849.225+/-0.151 χ^2/NDF:3152719.2/27

Out: 863.041+/-0.149 χ^2/NDF:3339818.7/32

All: 856.226+/-0.106 χ^2/NDF: 6496790.3/60



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 23.357+/-22.928 χ^2/NDF:16.1/13

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 70.860+/-23.771 χ^2/NDF:12.3/11

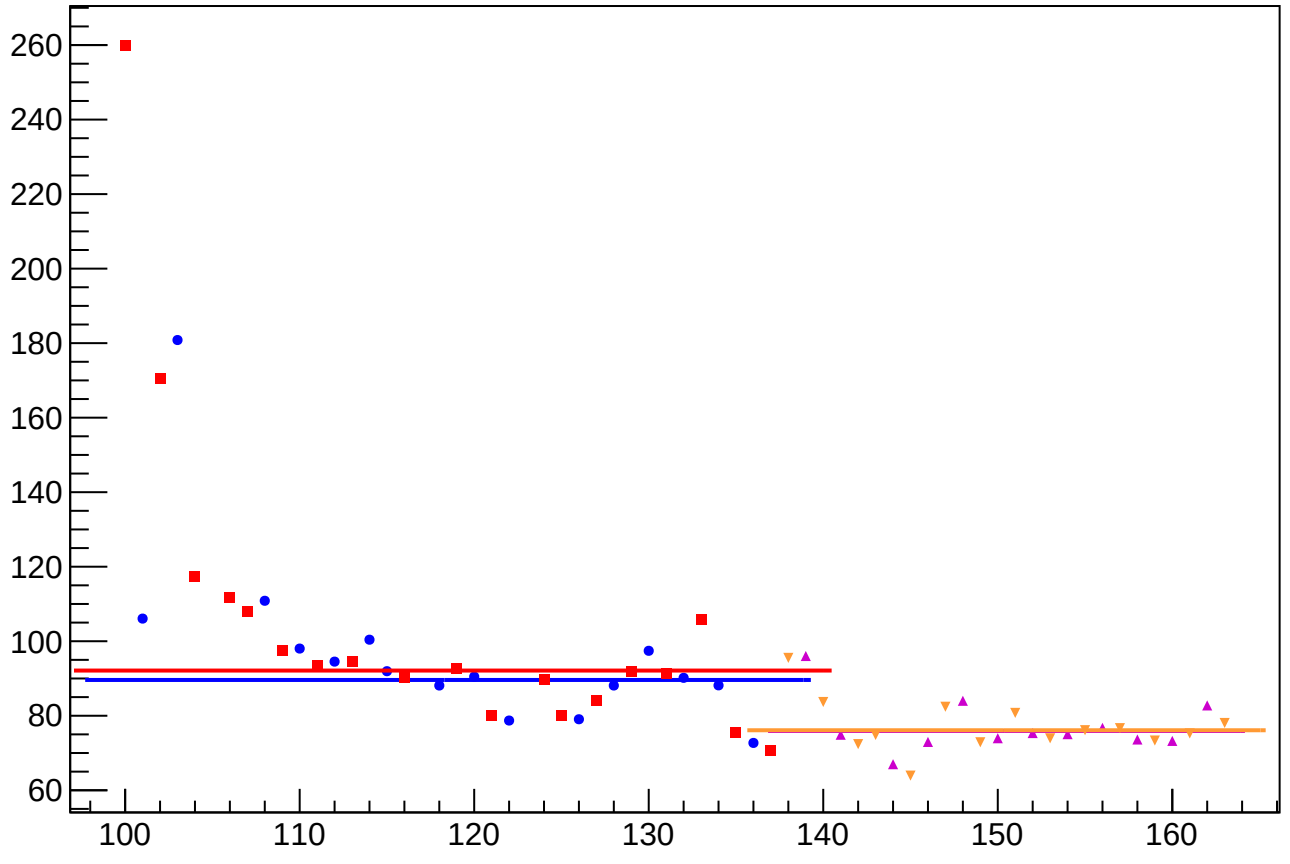
Left: 46.252+/-16.503 χ^2/NDF: 30.4/25

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 45.724+/-19.535 χ^2/NDF:34.7/27

Out: 38.026+/-19.160 χ^2/NDF:40.2/32

All: 41.800+/-13.679 χ^2/NDF: 74.9/60



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.106+/-0.016 χ^2/NDF:160026.2/13

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.907+/-0.017 χ^2/NDF:140189.2/11

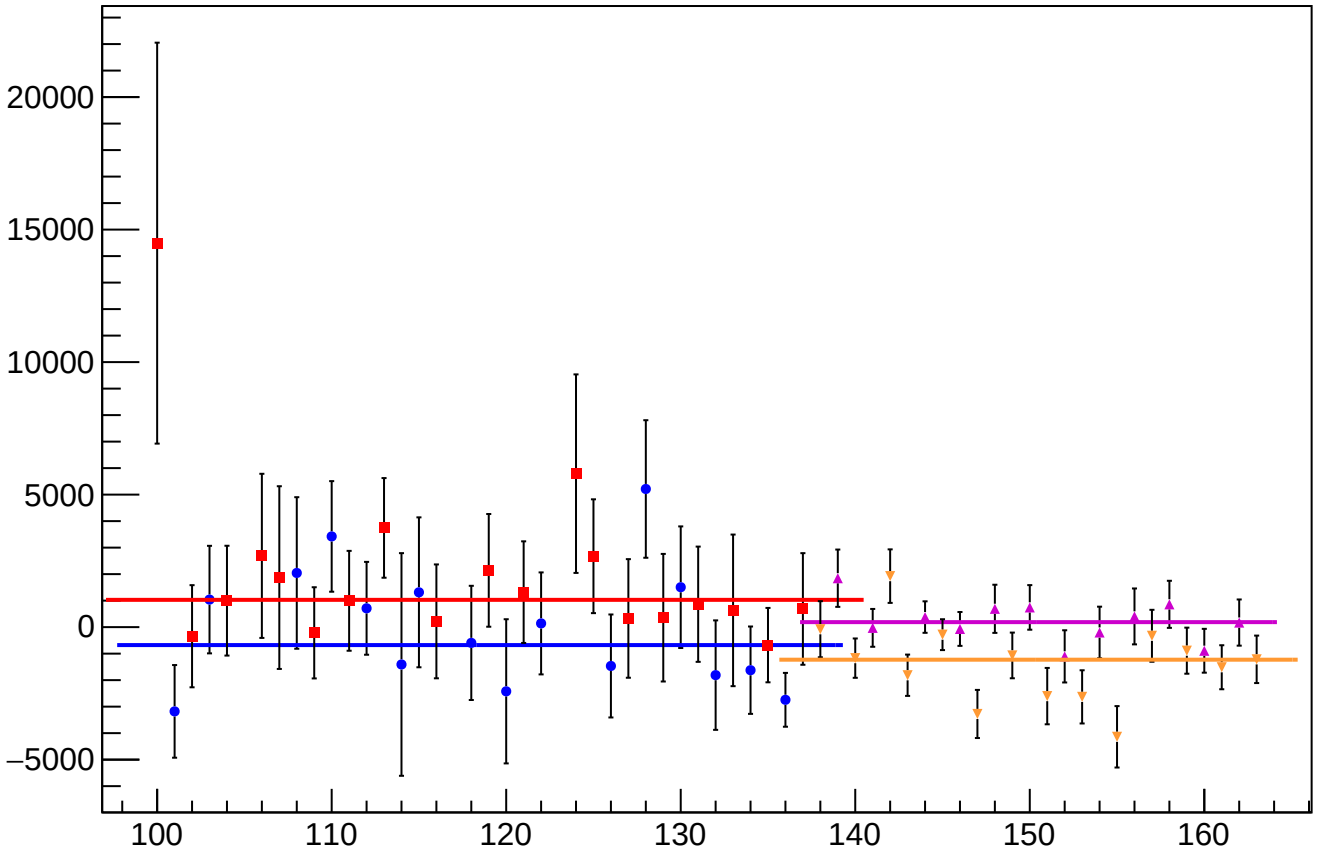
Left: 76.010+/-0.012 χ^2/NDF: 300287.7/25

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 80.353+/-0.014 χ^2/NDF:854128.6/27

Out: 80.940+/-0.014 χ^2/NDF:995002.1/32

All: 80.652+/-0.010 χ^2/NDF: 1850048.5/60



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1228.787+/-232.287 χ^2/NDF:30.3/13

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 188.545+/-237.306 χ^2/NDF:7.6/11

Left: -535.269+/-165.998 χ^2/NDF: 56.2/25

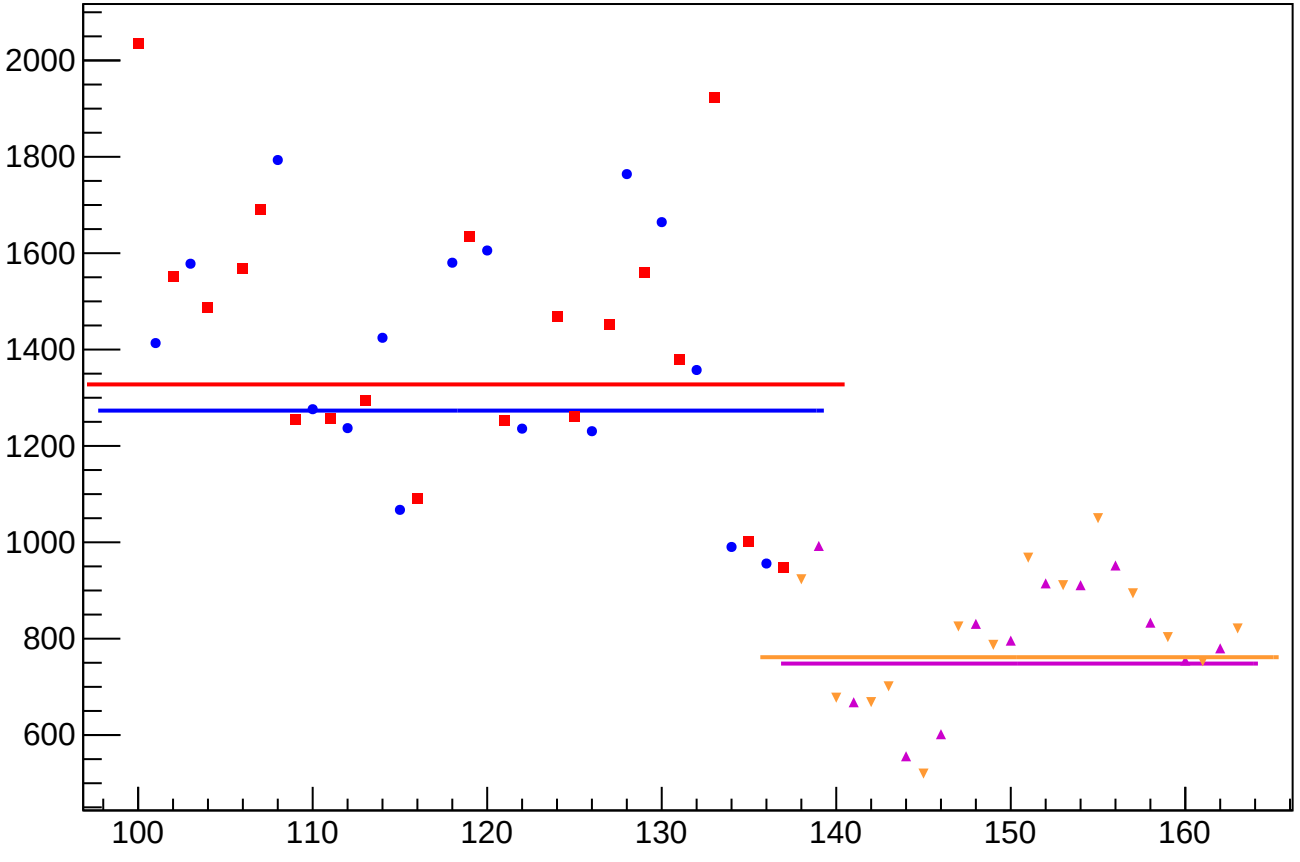
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 22.110+/-213.283 χ^2/NDF:30.5/27

Out: -823.964+/-210.438 χ^2/NDF:58.2/32

All: -406.608+/-149.798 χ^2/NDF: 96.7/60

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: 761.556+/-0.164 χ^2/NDF:751823.2/13

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 748.310+/-0.168 χ^2/NDF:673511.8/11

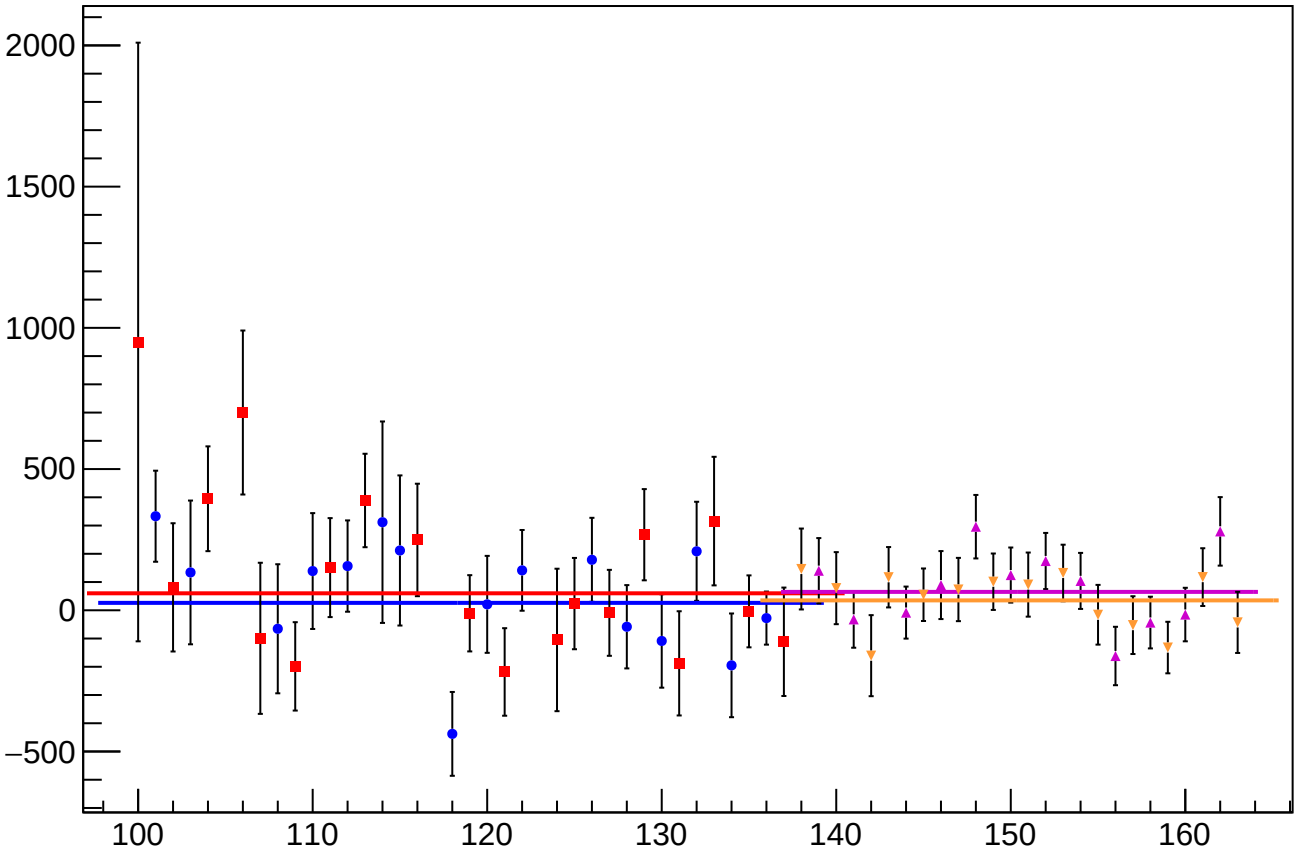
Left: 755.075+/-0.117 χ^2/NDF: 1428517.1/25

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 849.225+/-0.151 χ^2/NDF:3152719.2/27

Out: 863.041+/-0.149 χ^2/NDF:3339818.7/32

All: 856.226+/-0.106 χ^2/NDF: 6496790.3/60



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 35.029+/-28.803 χ^2/NDF:10.4/13

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 65.099+/-29.616 χ^2/NDF:18.0/11

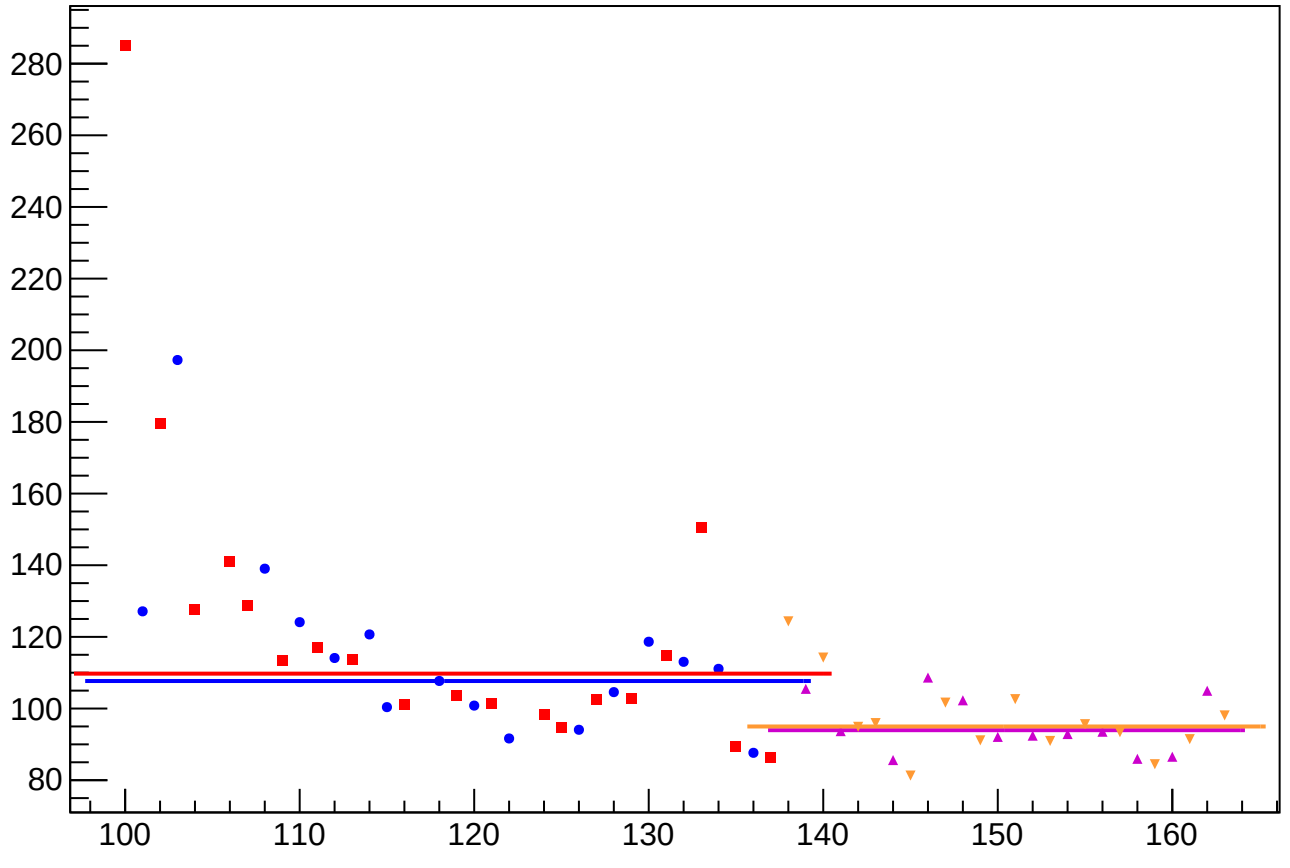
Left: 49.645+/-20.648 χ^2/NDF: 29.0/25

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 51.872+/-24.052 χ^2/NDF:40.0/27

Out: 43.179+/-23.667 χ^2/NDF:37.7/32

All: 47.455+/-16.870 χ^2/NDF: 77.7/60



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 94.991+/-0.020 χ^2/NDF:226605.6/13

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.959+/-0.021 χ^2/NDF:122513.5/11

Left: 94.489+/-0.015 χ^2/NDF: 350365.7/25

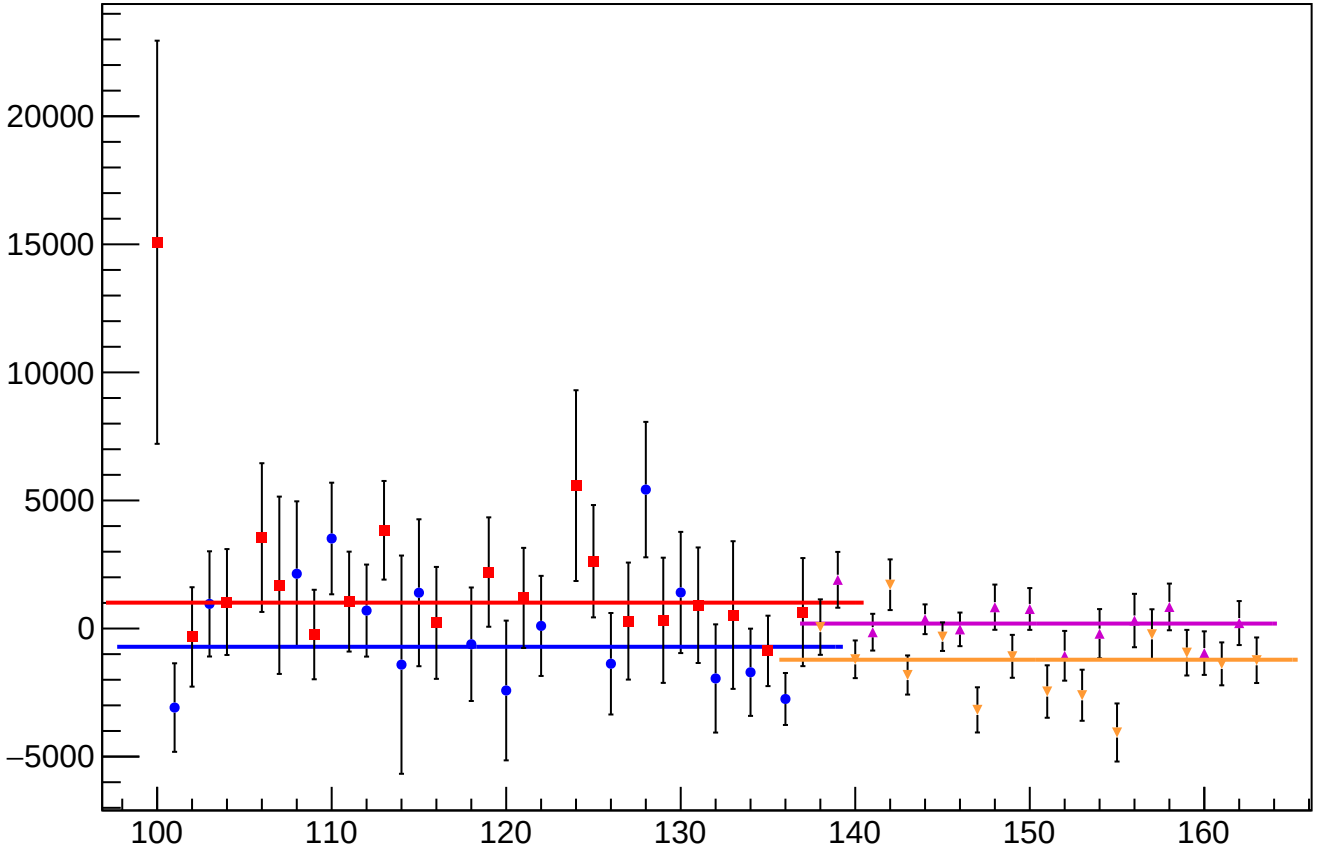
Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 98.631+/-0.017 χ^2/NDF:751785.7/27

Out: 99.781+/-0.017 χ^2/NDF:888721.2/32

All: 99.215+/-0.012 χ^2/NDF: 1642830.6/60

asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1217.871+/-228.791 χ^2/NDF:29.2/13

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 193.455+/-236.607 χ^2/NDF:8.1/11

Left: -535.903+/-164.474 χ^2/NDF: 55.6/25

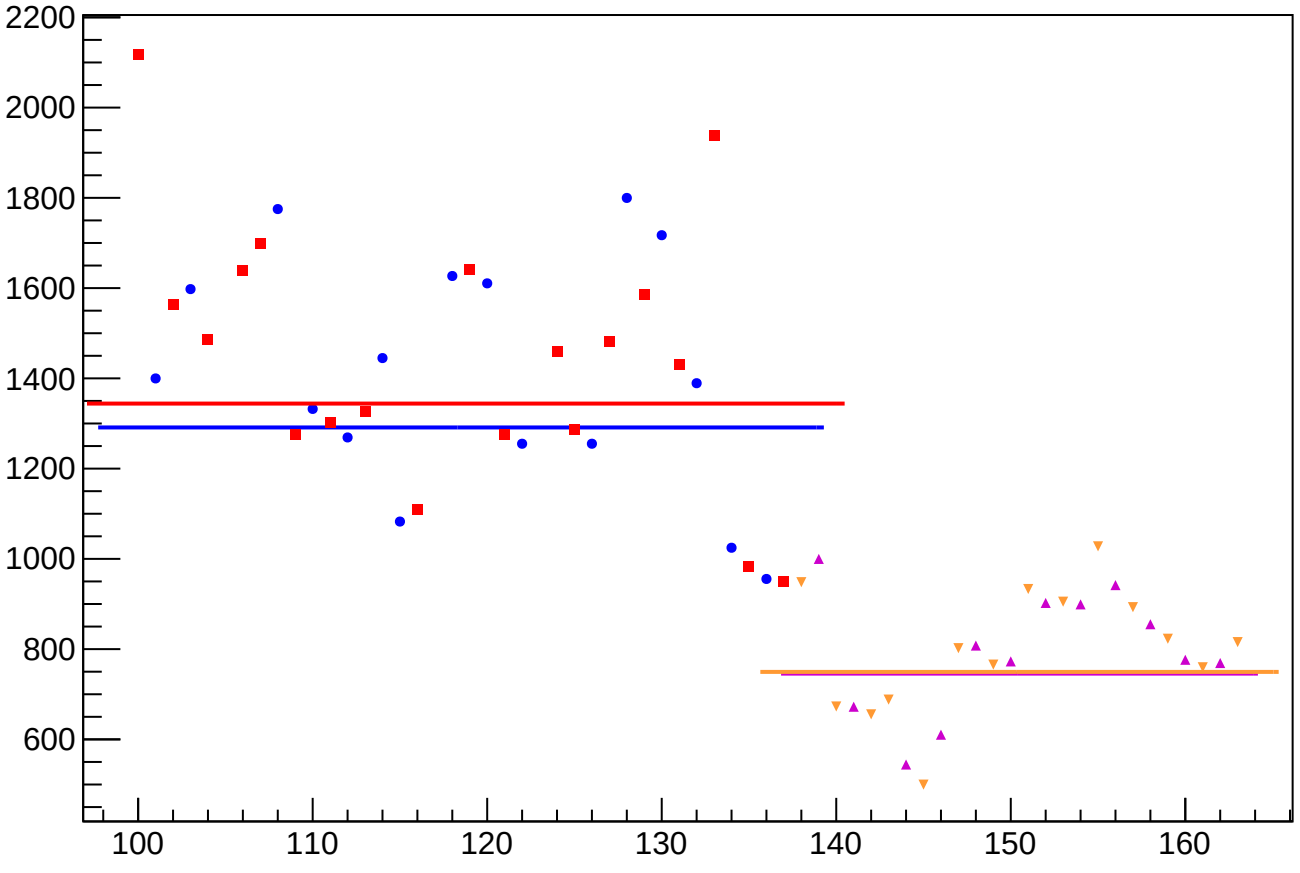
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 23.916+/-213.333 χ^2/NDF:31.0/27

Out: -833.808+/-208.144 χ^2/NDF:57.3/32

All: -415.504+/-148.981 χ^2/NDF: 96.5/60

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 749.548+/-0.162 χ^2/NDF:831976.7/13

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 745.733+/-0.167 χ^2/NDF:674182.0/11

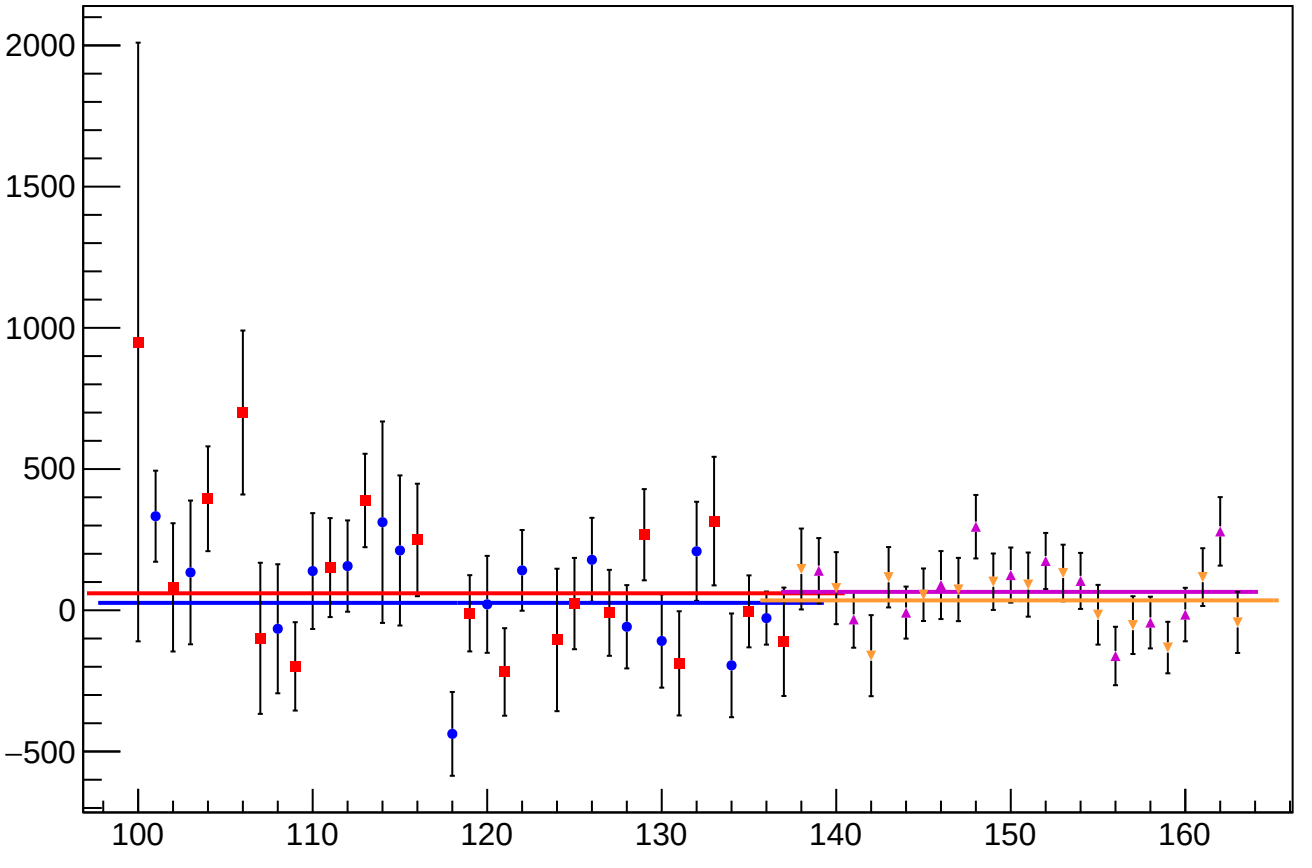
Left: 747.704+/-0.116 χ^2/NDF: 1506427.4/25

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 847.771+/-0.151 χ^2/NDF:3273571.8/27

Out: 852.020+/-0.147 χ^2/NDF:3650821.9/32

All: 849.948+/-0.105 χ^2/NDF: 6924800.2/60



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 35.031+/-28.803 χ^2/NDF:10.4/13

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 65.097+/-29.617 χ^2/NDF:18.0/11

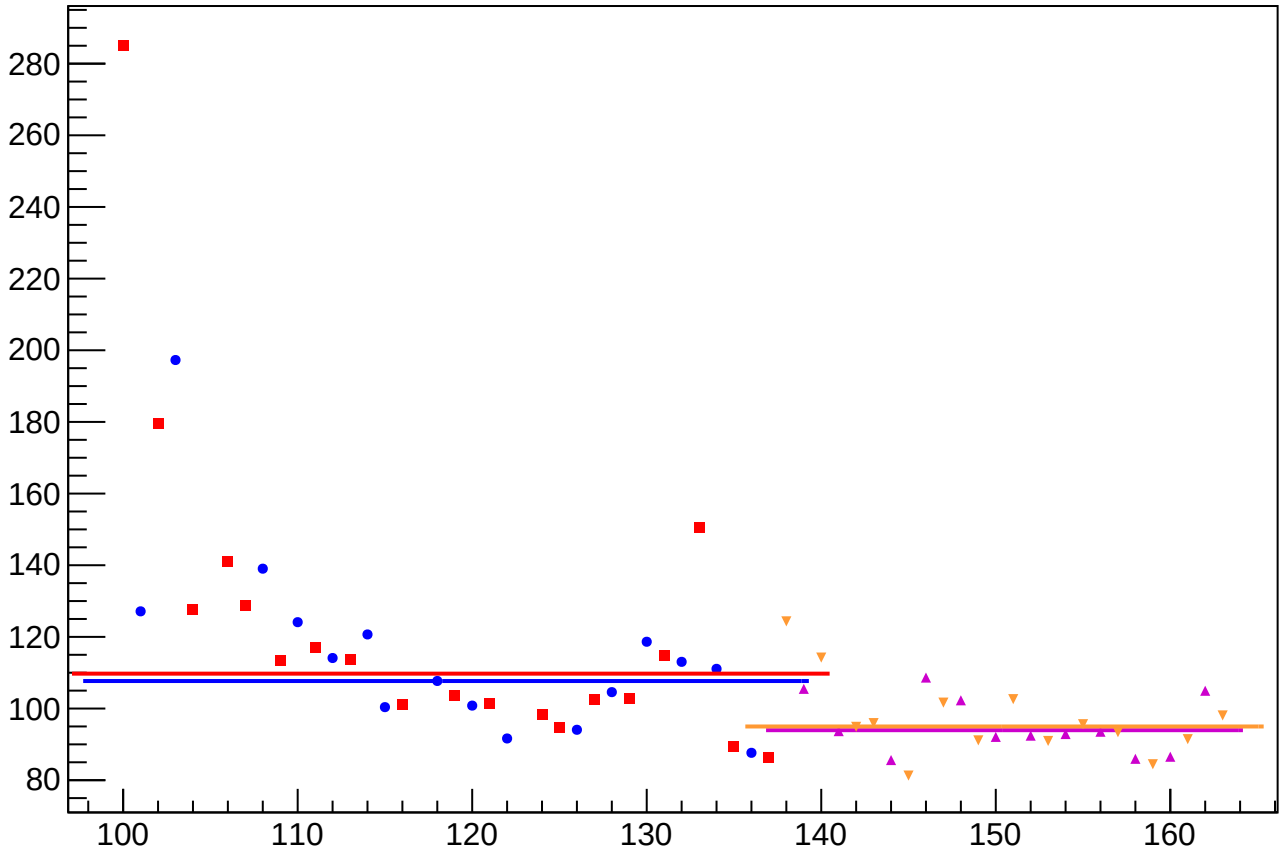
Left: 49.645+/-20.648 χ^2/NDF: 29.0/25

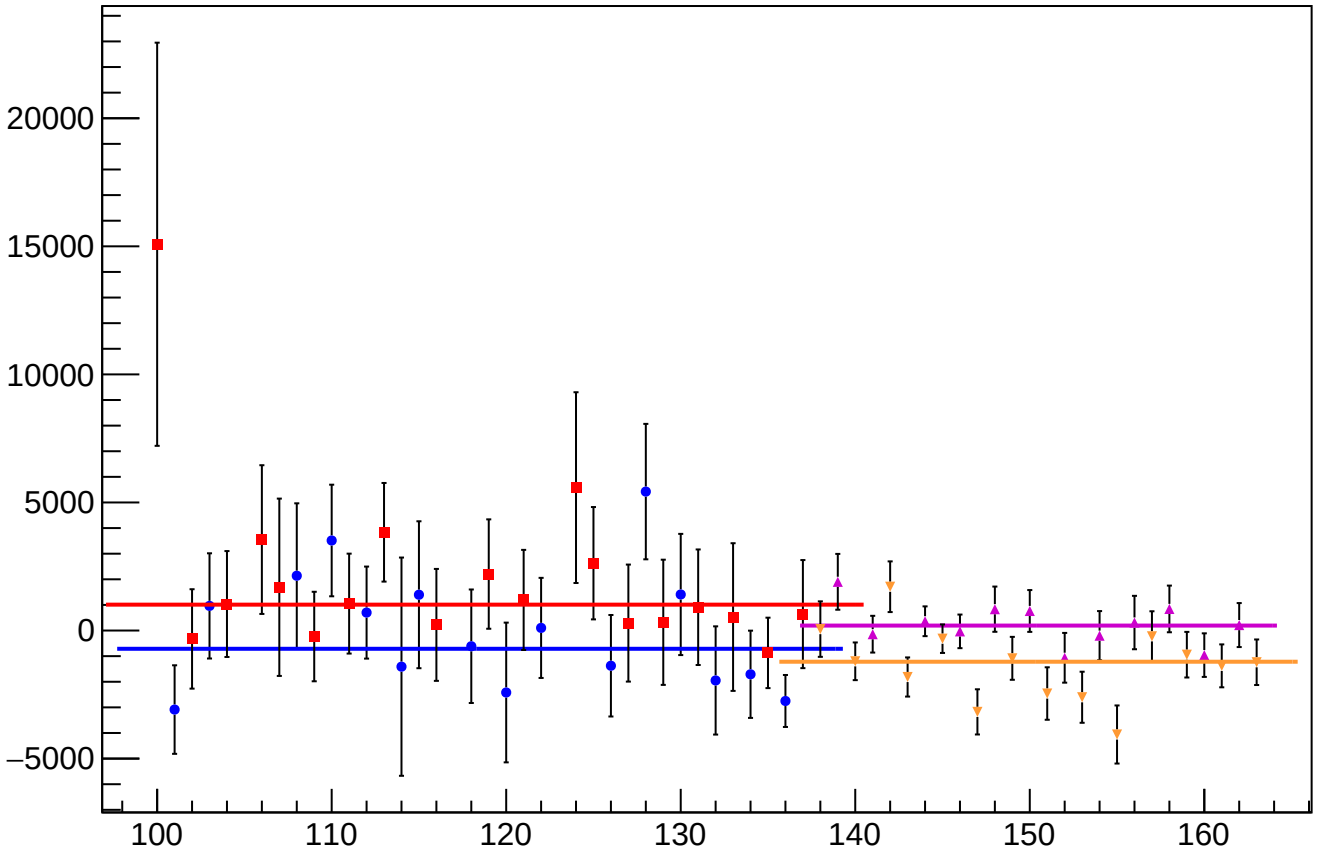
Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 51.871+/-24.052 χ^2/NDF:40.0/27

Out: 43.179+/-23.667 χ^2/NDF:37.7/32

All: 47.455+/-16.870 χ^2/NDF: 77.7/60


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
160
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 94.991+/-0.020 χ²/NDF:226598.4/13
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 93.960+/-0.021 χ²/NDF:122516.5/11
Left: 94.490+/-0.015 χ²/NDF: 350361.7/25
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 98.631+/-0.017 χ²/NDF:751754.8/27
Out: 99.781+/-0.017 χ²/NDF:888689.2/32
All: 99.215+/-0.012 χ²/NDF: 1642768.2/60



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1217.869+/-228.791 χ^2/NDF:29.2/13

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 193.454+/-236.607 χ^2/NDF:8.1/11

Left: -535.903+/-164.473 χ^2/NDF: 55.6/25

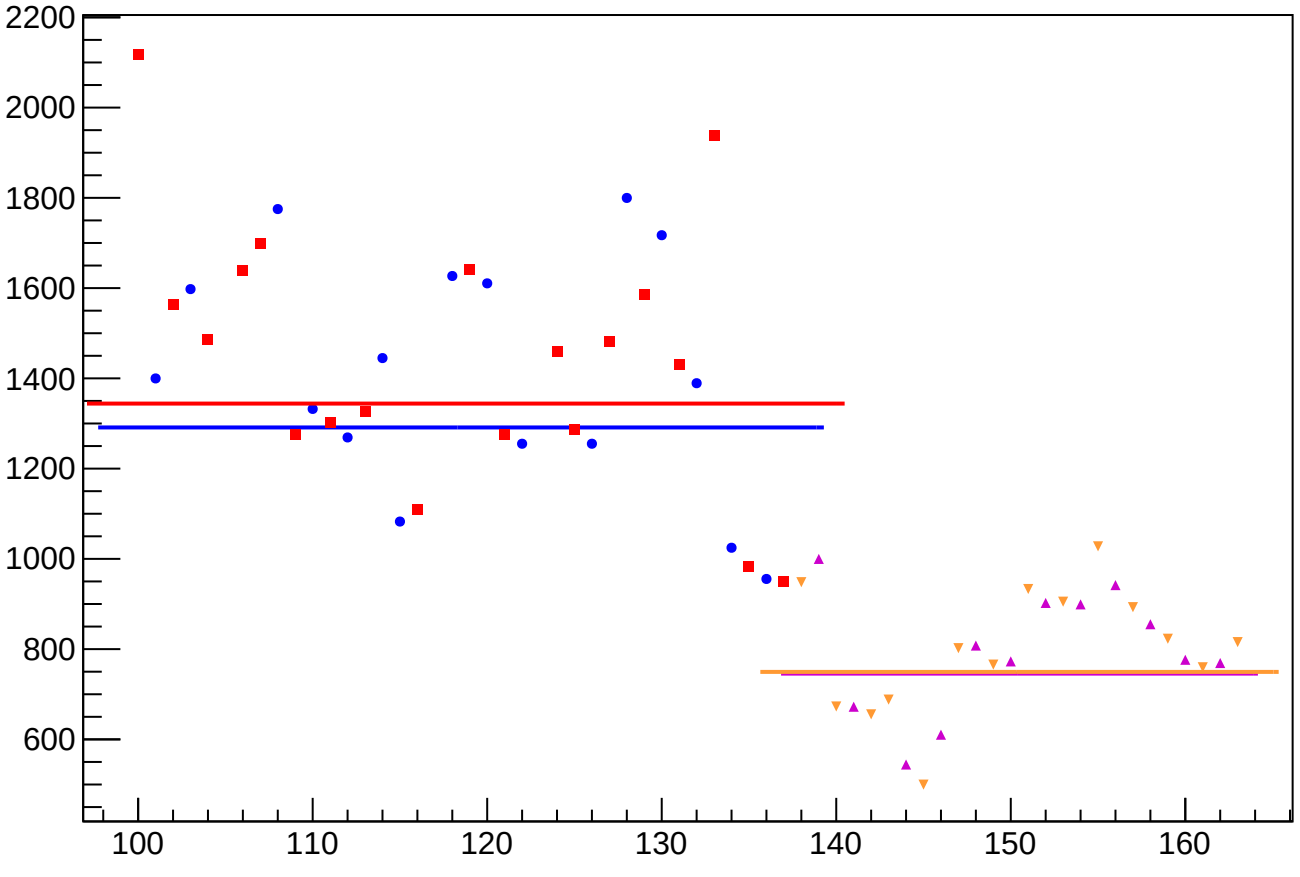
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 23.916+/-213.333 χ^2/NDF:31.0/27

Out: -833.806+/-208.144 χ^2/NDF:57.3/32

All: -415.503+/-148.980 χ^2/NDF: 96.5/60

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 749.546+/-0.162 χ^2/NDF:831985.0/13

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 745.732+/-0.167 χ^2/NDF:674181.9/11

Left: 747.703+/-0.116 χ^2/NDF: 1506435.6/25

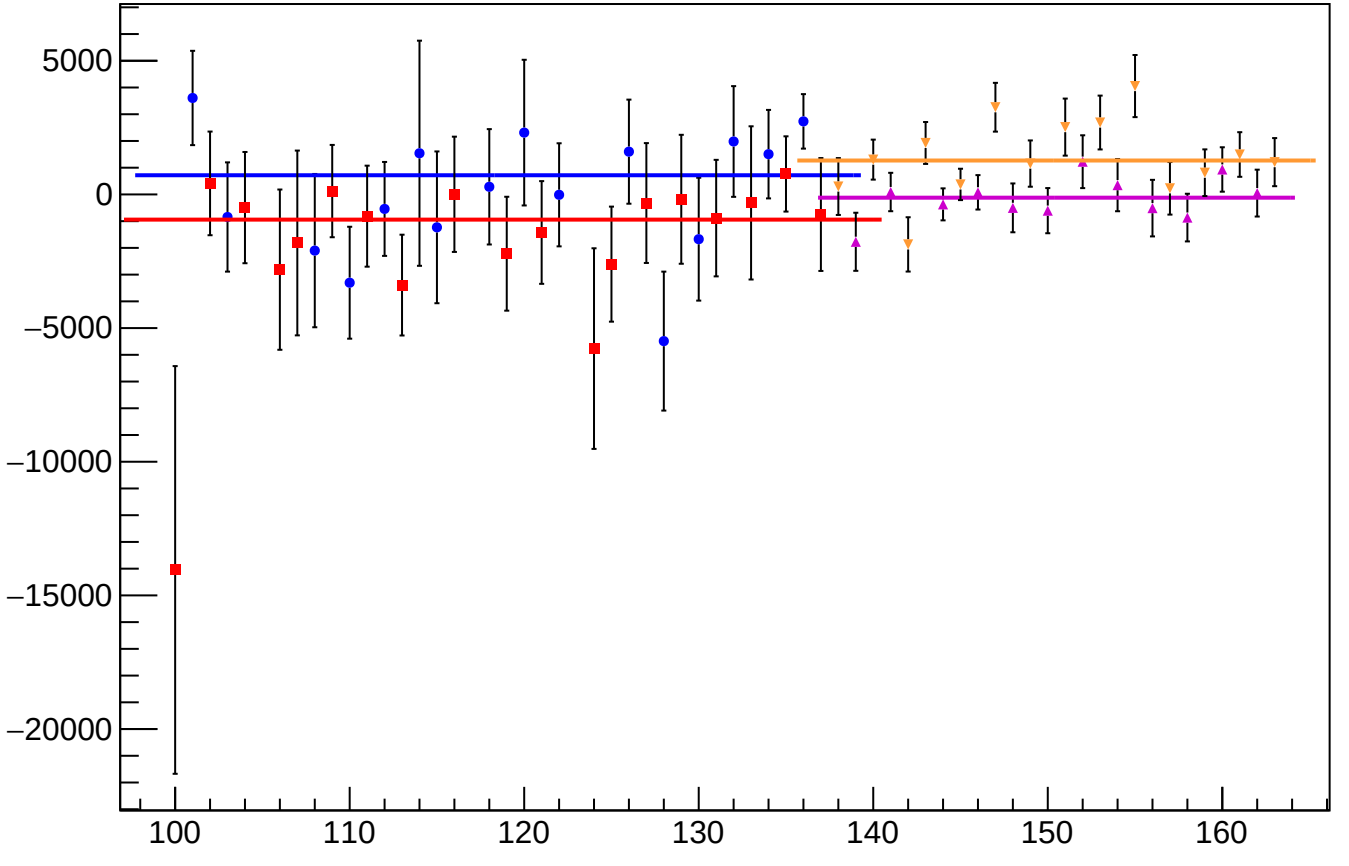
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 847.770+/-0.151 χ^2/NDF:3273565.7/27

Out: 852.019+/-0.147 χ^2/NDF:3650827.9/32

All: 849.947+/-0.105 χ^2/NDF: 6924800.0/60

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1268.961+/-233.558 χ^2/NDF:28.8/13

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -121.757+/-238.643 χ^2/NDF:7.7/11

Left: 588.577+/-166.919 χ^2/NDF: 53.9/25

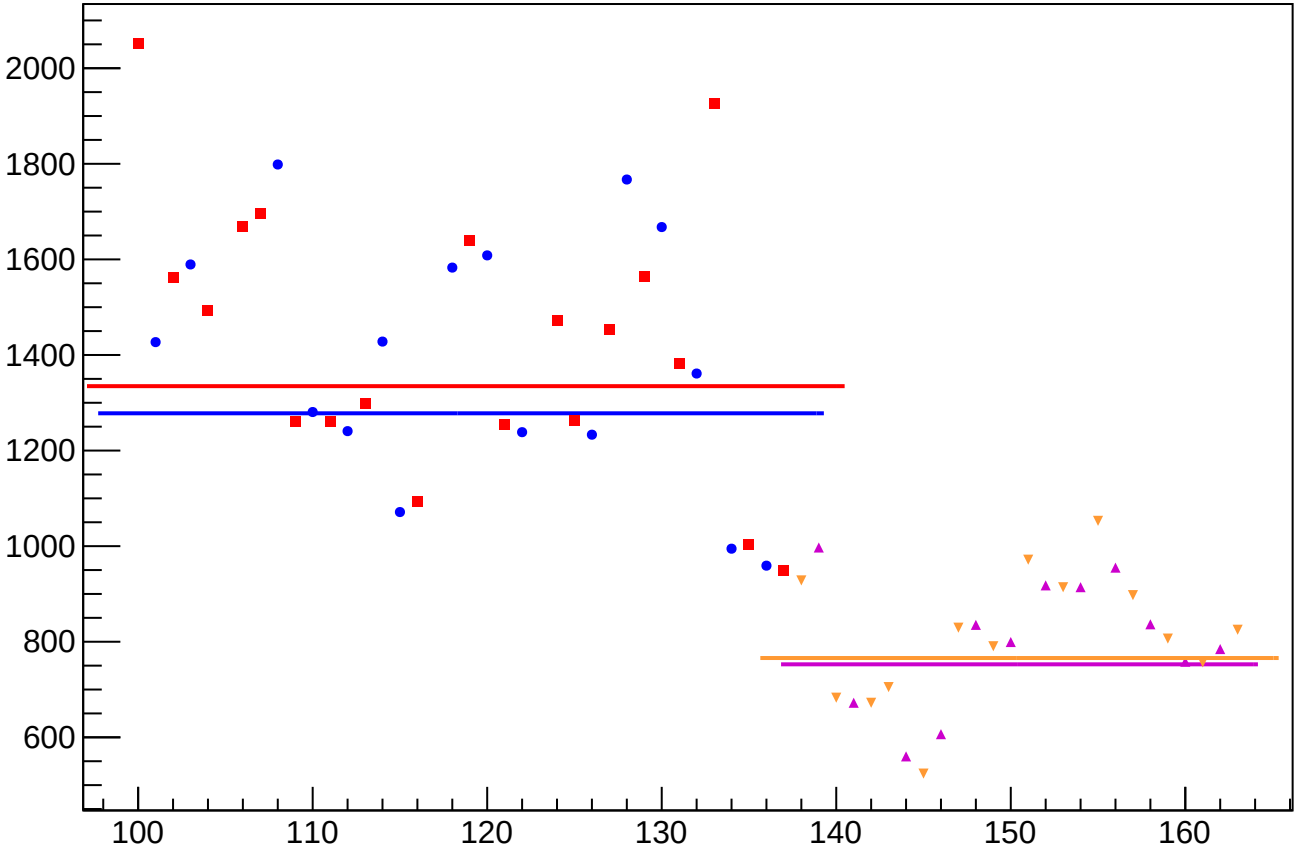
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 40.106+/-214.402 χ^2/NDF:31.1/27

Out: 870.345+/-211.461 χ^2/NDF:55.5/32

All: 460.958+/-150.555 χ^2/NDF: 94.2/60

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 765.938+/-0.165 χ^2/NDF:740177.7/13

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 752.741+/-0.169 χ^2/NDF:662801.4/11

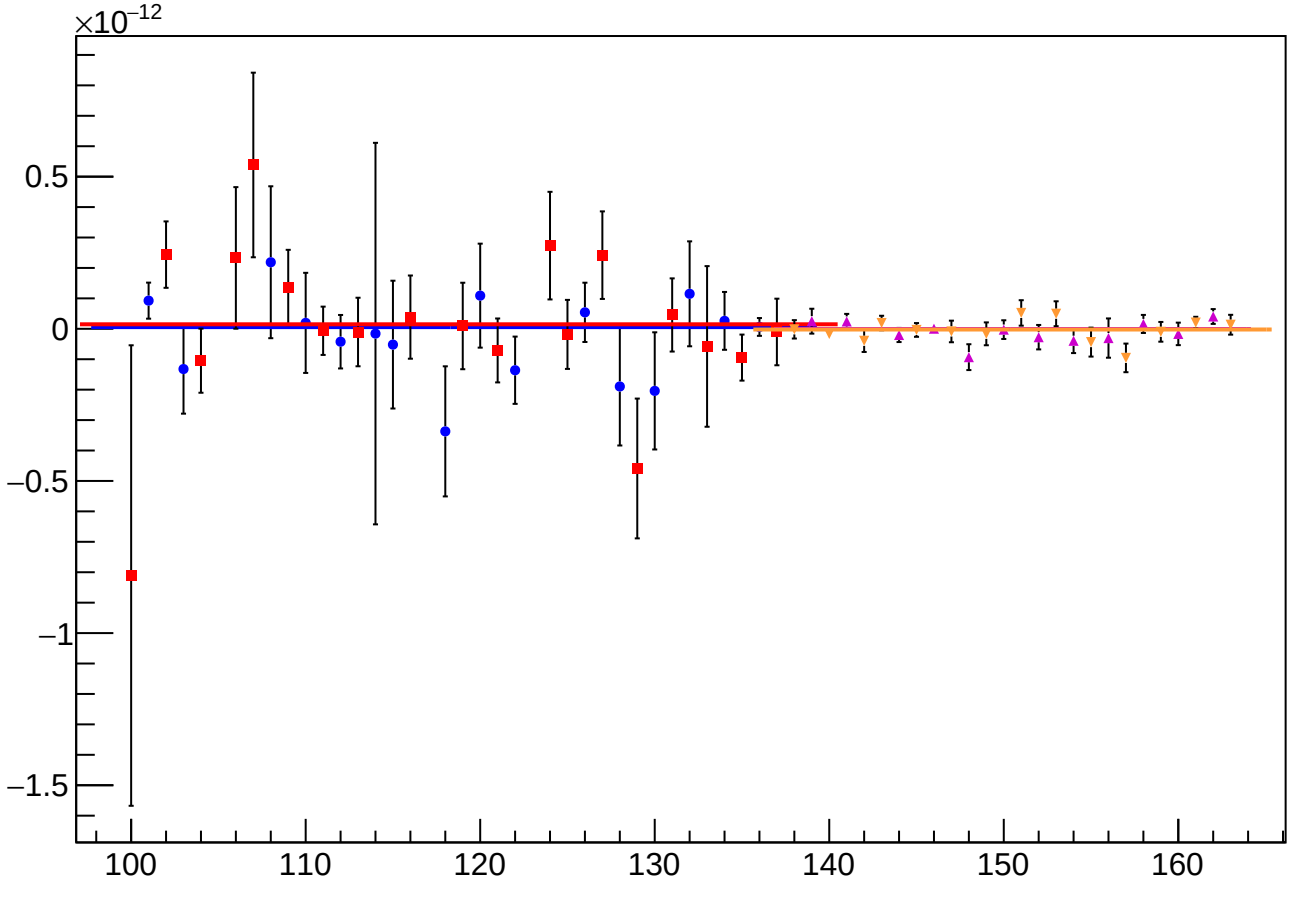
Left: 759.482+/-0.118 χ^2/NDF: 1406102.8/25

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 854.027+/-0.152 χ^2/NDF:3128729.0/27

Out: 868.480+/-0.150 χ^2/NDF:3350678.2/32

All: 861.353+/-0.106 χ^2/NDF: 6484013.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.6/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.8/11

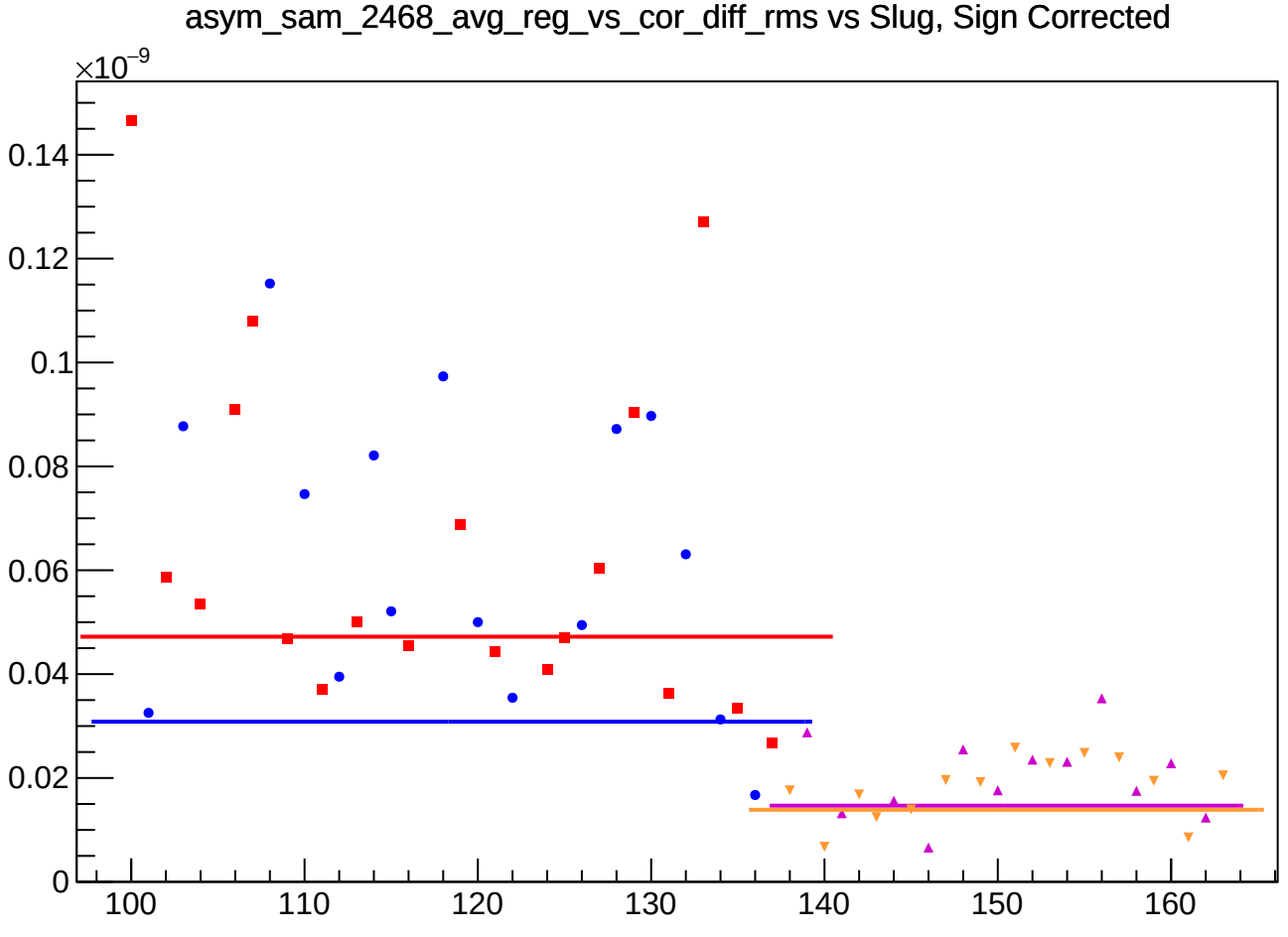
Left: -0.000+/-0.000 χ^2/NDF: 24.5/25

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:23.5/27

Out: -0.000+/-0.000 χ^2/NDF:36.8/32

All: -0.000+/-0.000 χ^2/NDF: 60.3/60



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1336917.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1535287.4/11

Left: 0.000+/-0.000 χ^2/NDF: 2882575.0/25

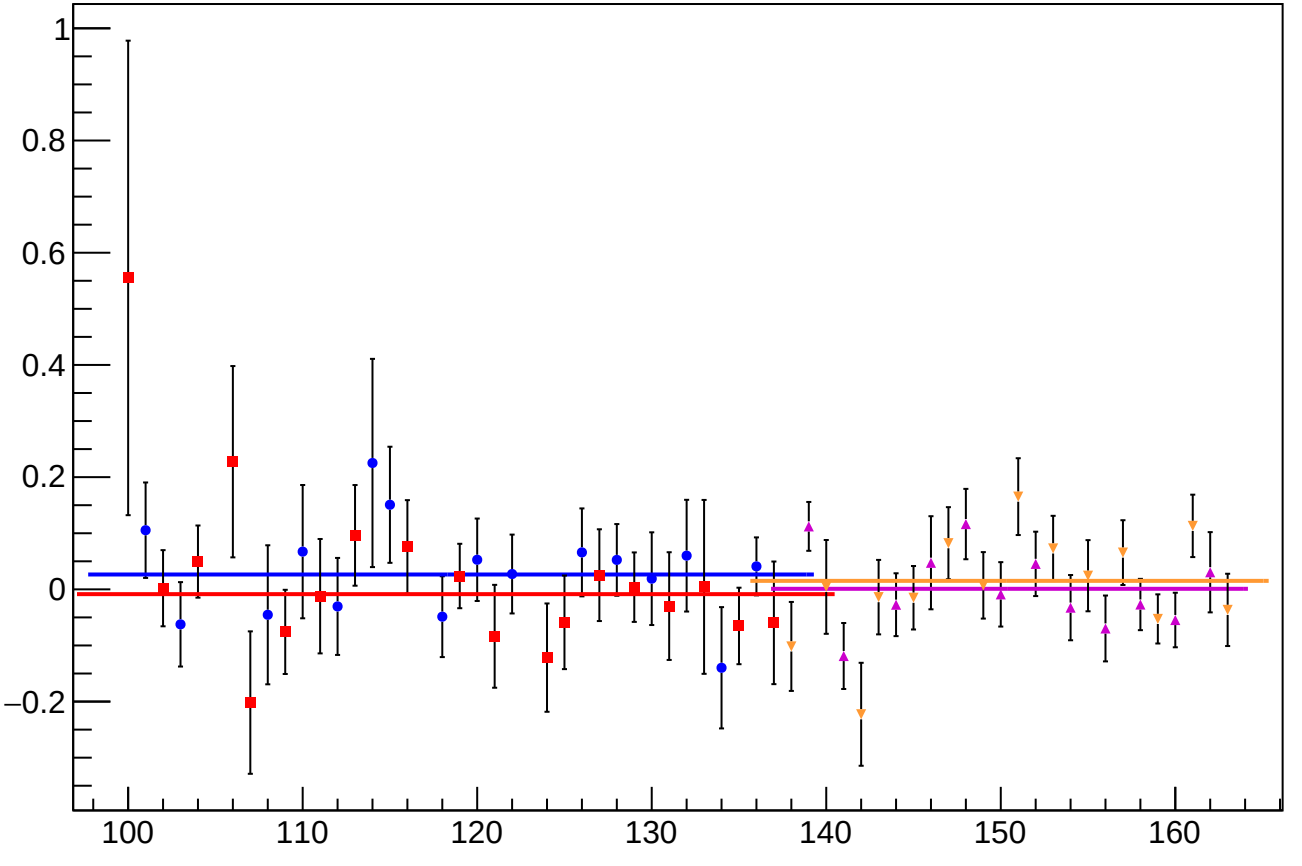
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4435309.6/27

Out: 0.000+/-0.000 χ^2/NDF:4598584.6/32

All: 0.000+/-0.000 χ^2/NDF: 9041853.1/60

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.016 χ^2/NDF:18.9/11

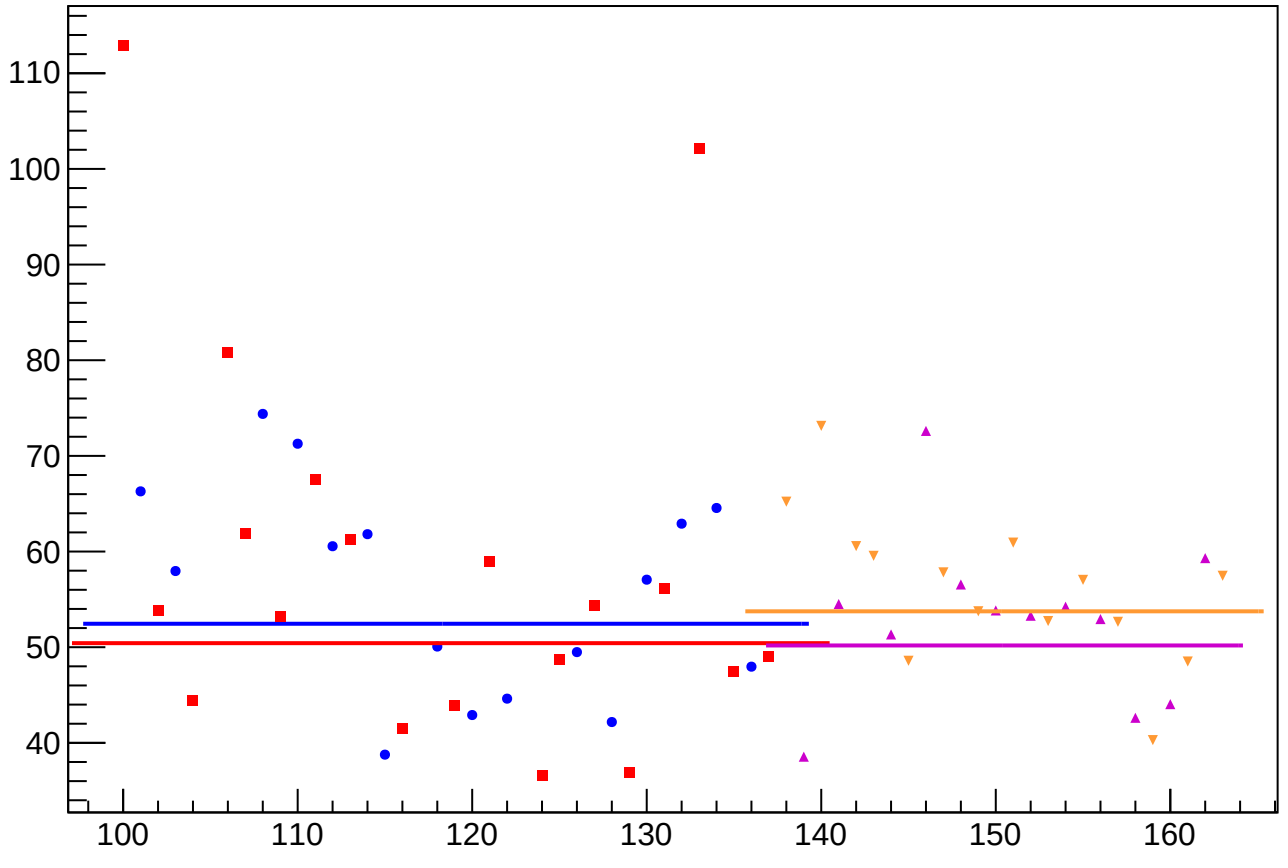
Left: 0.008+/-0.012 χ^2/NDF: 42.5/25

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.013 χ^2/NDF:29.8/27

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.008+/-0.009 χ^2/NDF: 67.9/60



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442535.4/13

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.182+/-0.011 χ^2/NDF:468344.1/11

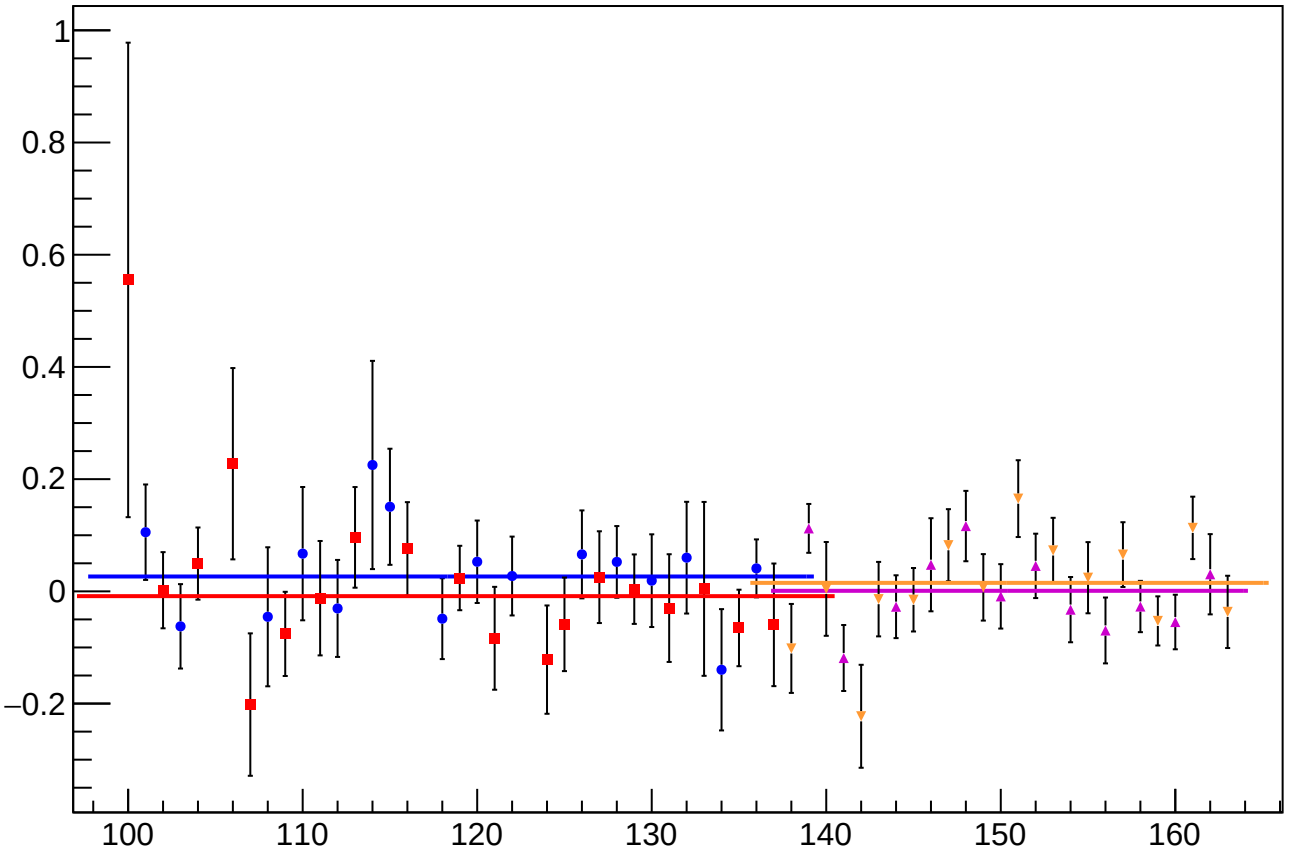
Left: 51.920+/-0.008 χ^2/NDF: 958332.8/25

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.057+/-0.009 χ^2/NDF:901554.0/27

Out: 52.351+/-0.009 χ^2/NDF:1153109.8/32

All: 51.706+/-0.006 χ^2/NDF: 2065121.8/60



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.016 χ^2/NDF:18.9/11

Left: 0.008+/-0.012 χ^2/NDF: 42.5/25

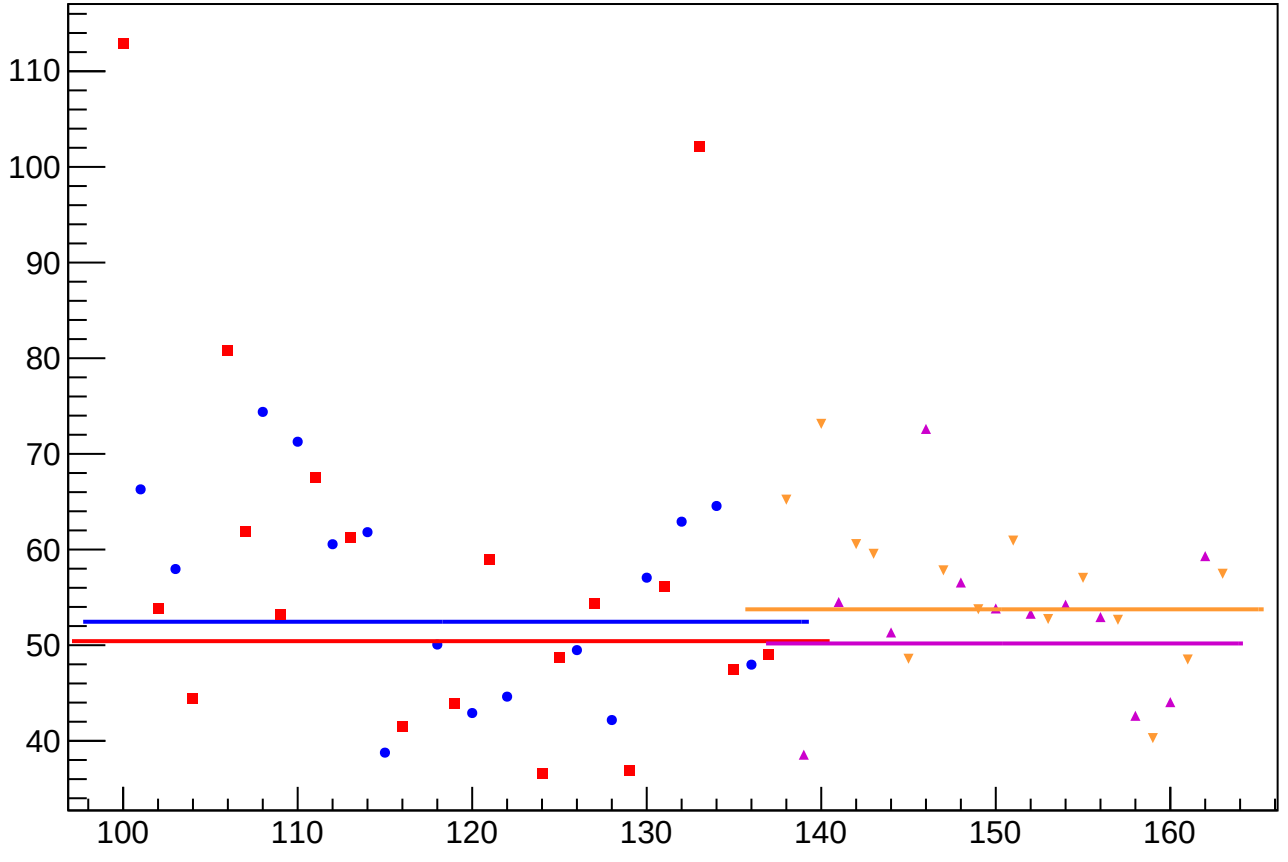
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.013 χ^2/NDF:29.8/27

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.008+/-0.009 χ^2/NDF: 67.9/60

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442535.4/13

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.182+/-0.011 χ^2/NDF:468344.1/11

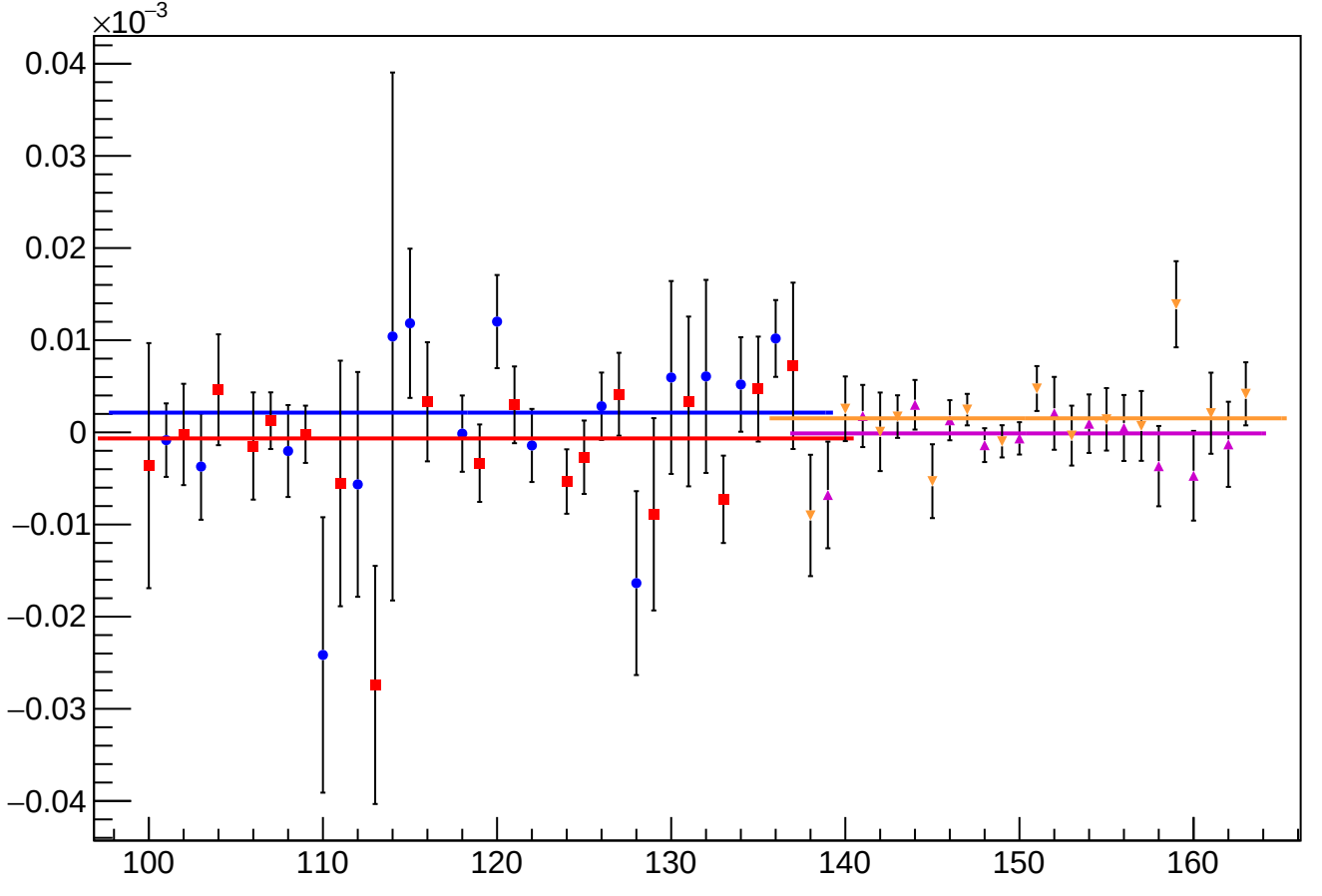
Left: 51.920+/-0.008 χ^2/NDF: 958332.8/25

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.057+/-0.009 χ^2/NDF:901554.0/27

Out: 52.351+/-0.009 χ^2/NDF:1153109.8/32

All: 51.706+/-0.006 χ^2/NDF: 2065121.8/60



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/13

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.0/11

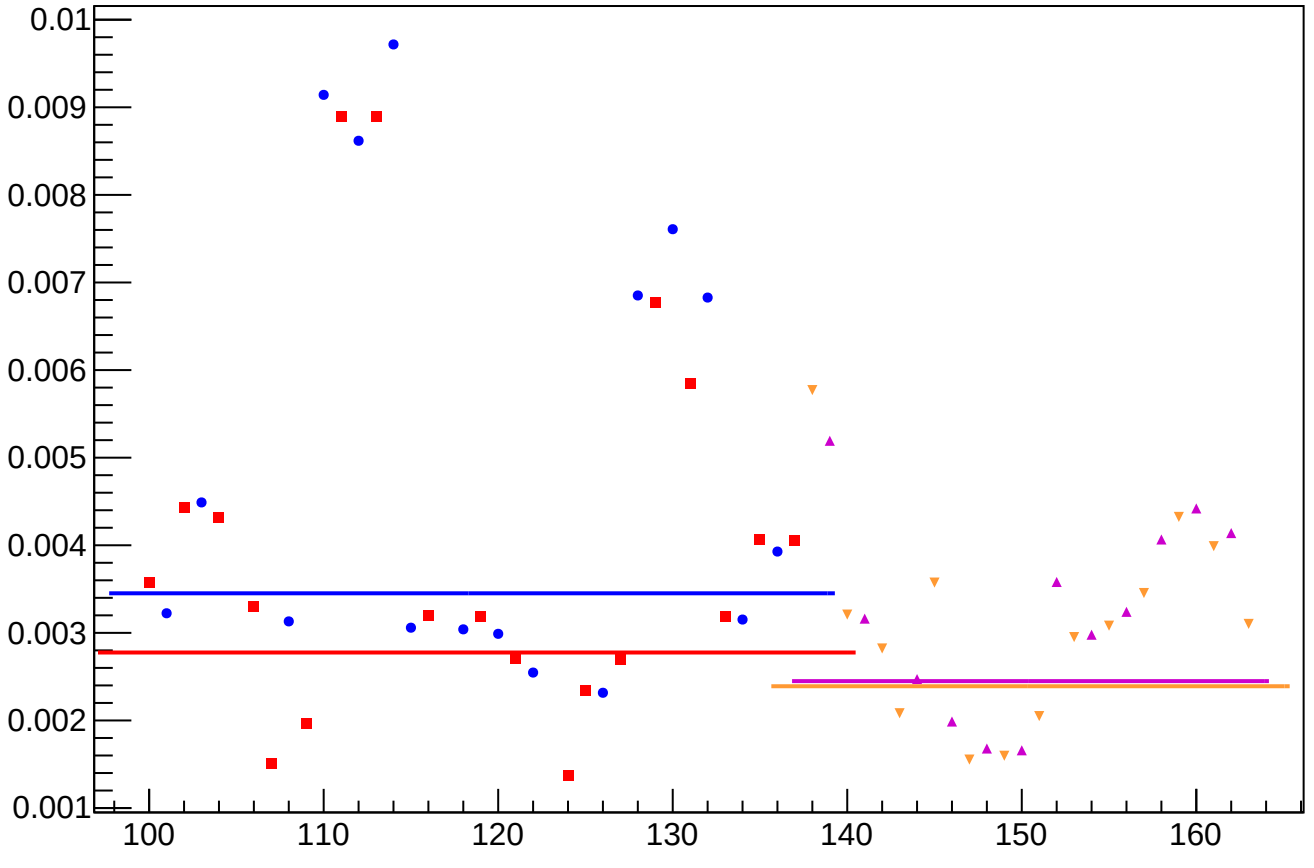
Left: 0.000+/-0.000 χ^2/NDF: 25.9/25

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.1/27

Out: 0.000+/-0.000 χ^2/NDF:35.1/32

All: 0.000+/-0.000 χ^2/NDF: 63.3/60



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2791444.5/13

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2575307.7/11

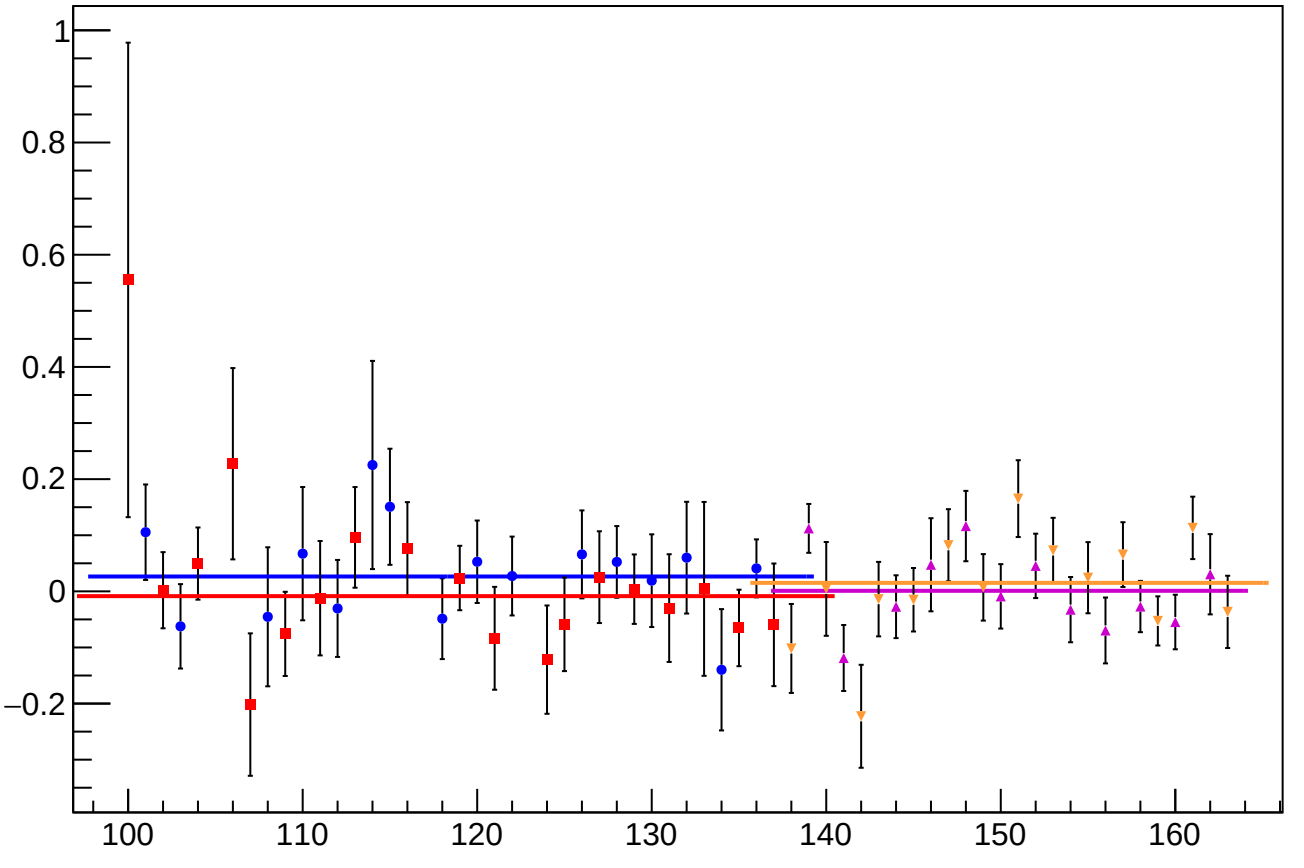
Left: 0.002+/-0.000 χ^2/NDF: 5372130.6/25

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5299713.1/27

Out: 0.003+/-0.000 χ^2/NDF:5681470.5/32

All: 0.003+/-0.000 χ^2/NDF: 11069602.0/60



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.016 χ^2/NDF:18.9/11

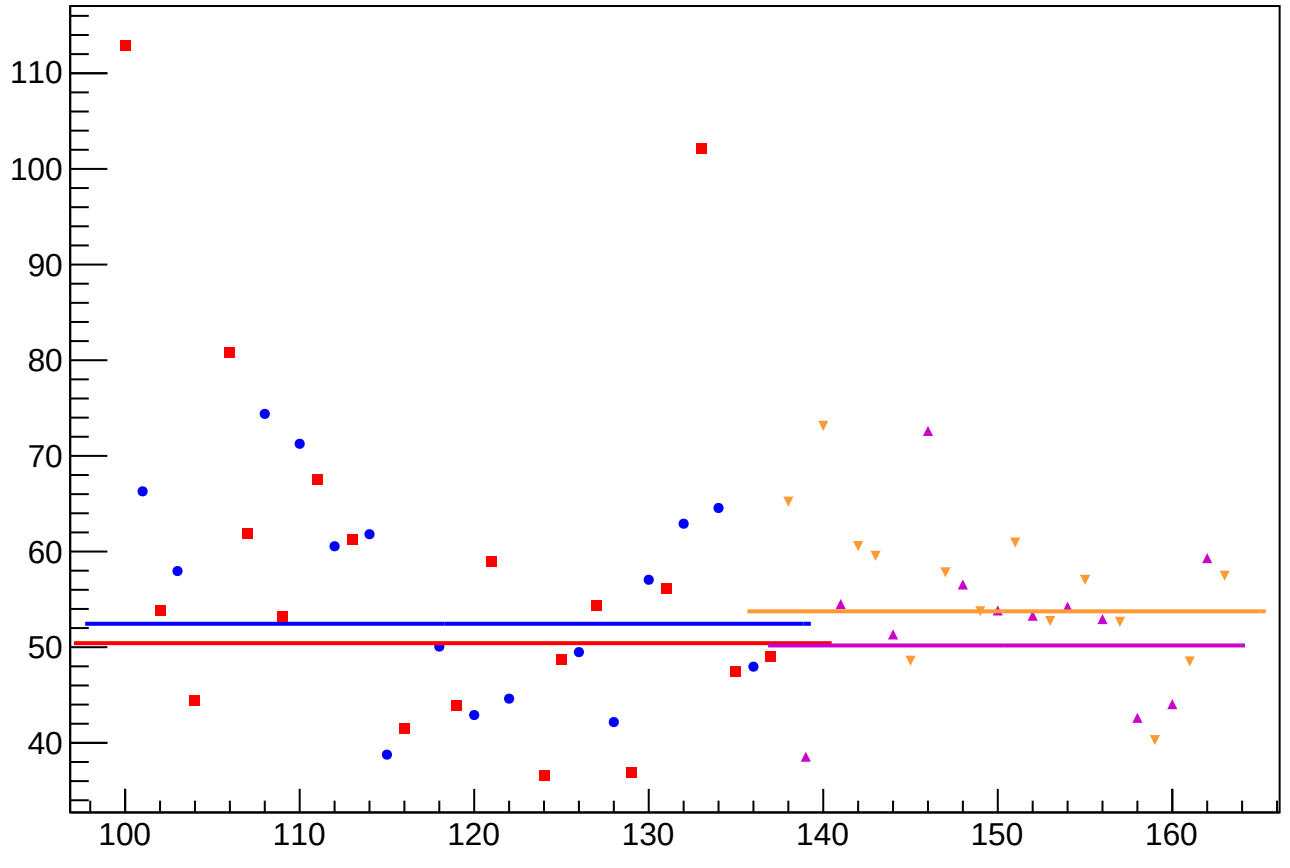
Left: 0.008+/-0.012 χ^2/NDF: 42.5/25

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.013 χ^2/NDF:29.8/27

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.008+/-0.009 χ^2/NDF: 67.9/60



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442554.9/13

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.182+/-0.011 χ^2/NDF:468420.8/11

Left: 51.920+/-0.008 χ^2/NDF: 958435.7/25

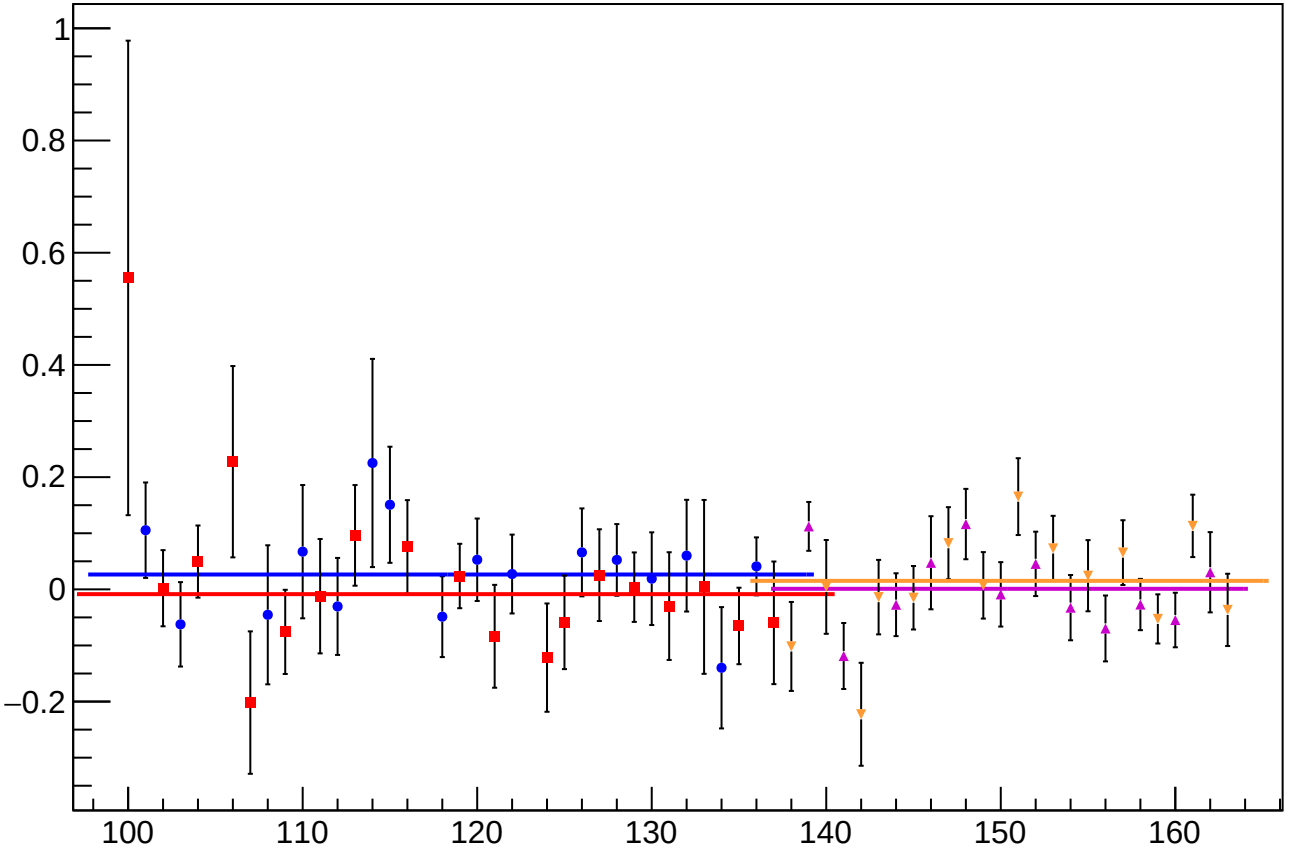
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.057+/-0.009 χ^2/NDF:901567.5/27

Out: 52.351+/-0.009 χ^2/NDF:1153166.2/32

All: 51.706+/-0.006 χ^2/NDF: 2065192.7/60

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: 0.015+/-0.017 χ^2/NDF:23.2/13

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.001+/-0.016 χ^2/NDF:18.9/11

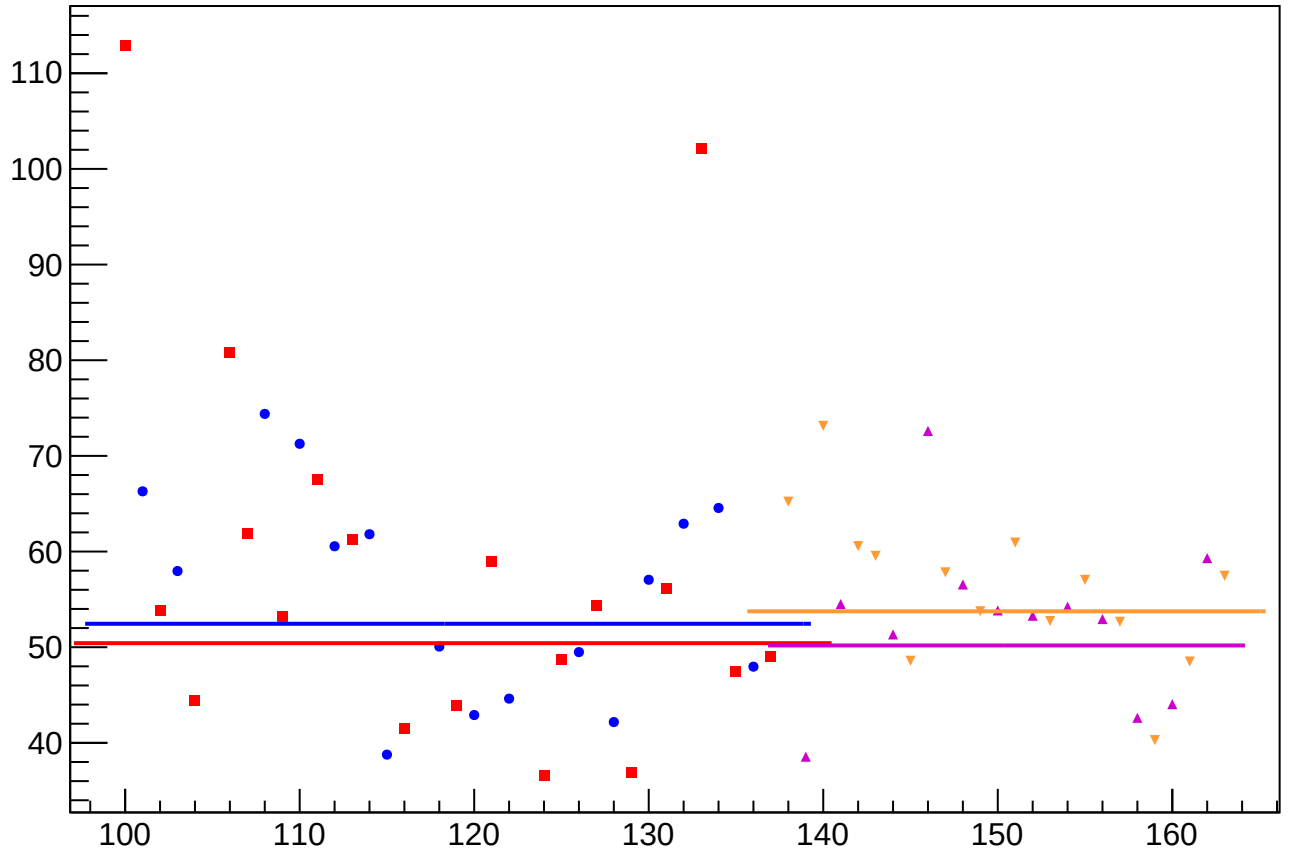
Left: 0.008+/-0.012 χ^2/NDF: 42.5/25

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.013 χ^2/NDF:29.8/27

Out: 0.005+/-0.013 χ^2/NDF:38.0/32

All: 0.008+/-0.009 χ^2/NDF: 67.9/60



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 53.751+/-0.012 χ^2/NDF:442554.9/13

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.182+/-0.011 χ^2/NDF:468420.8/11

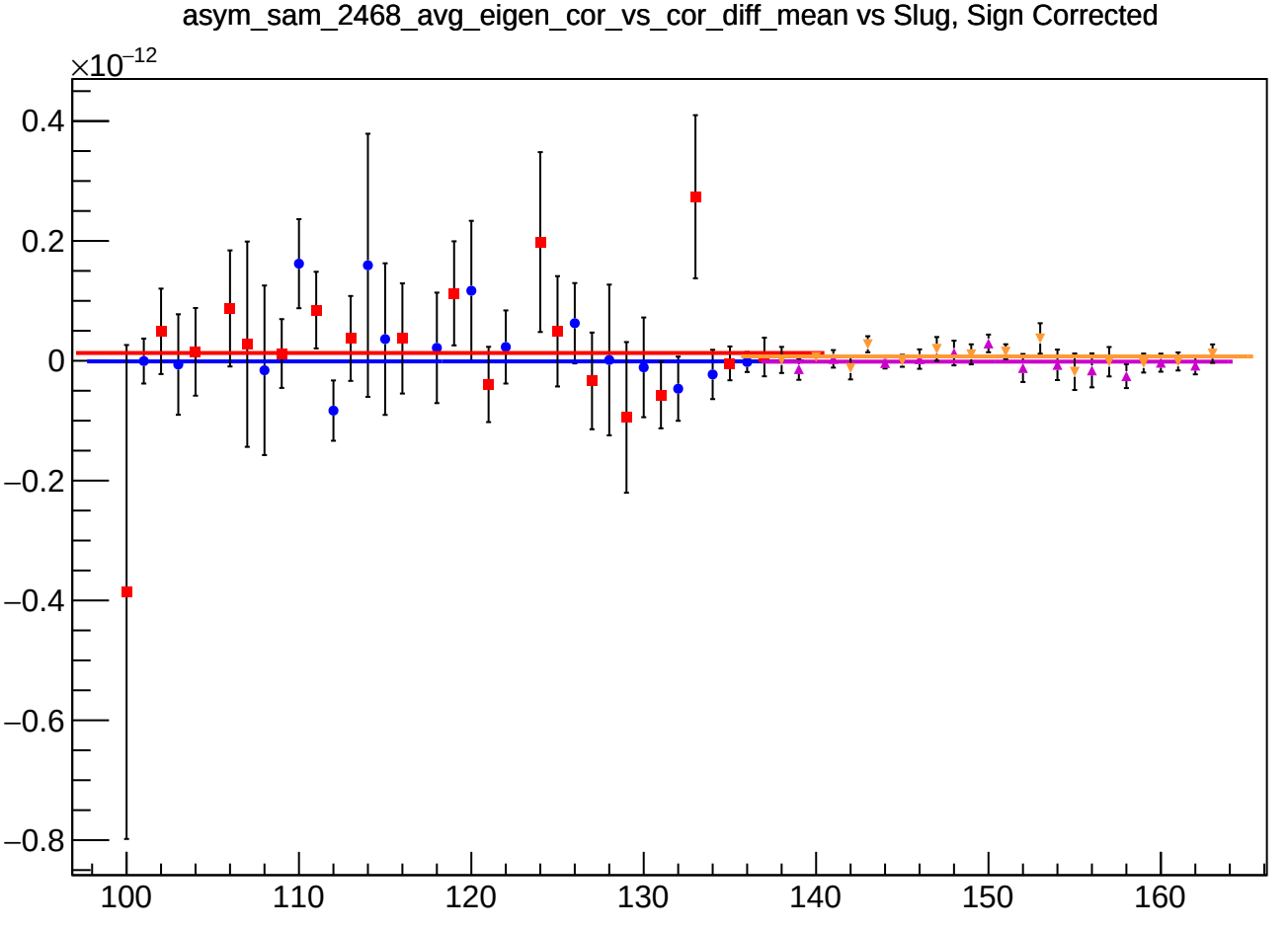
Left: 51.920+/-0.008 χ^2/NDF: 958435.7/25

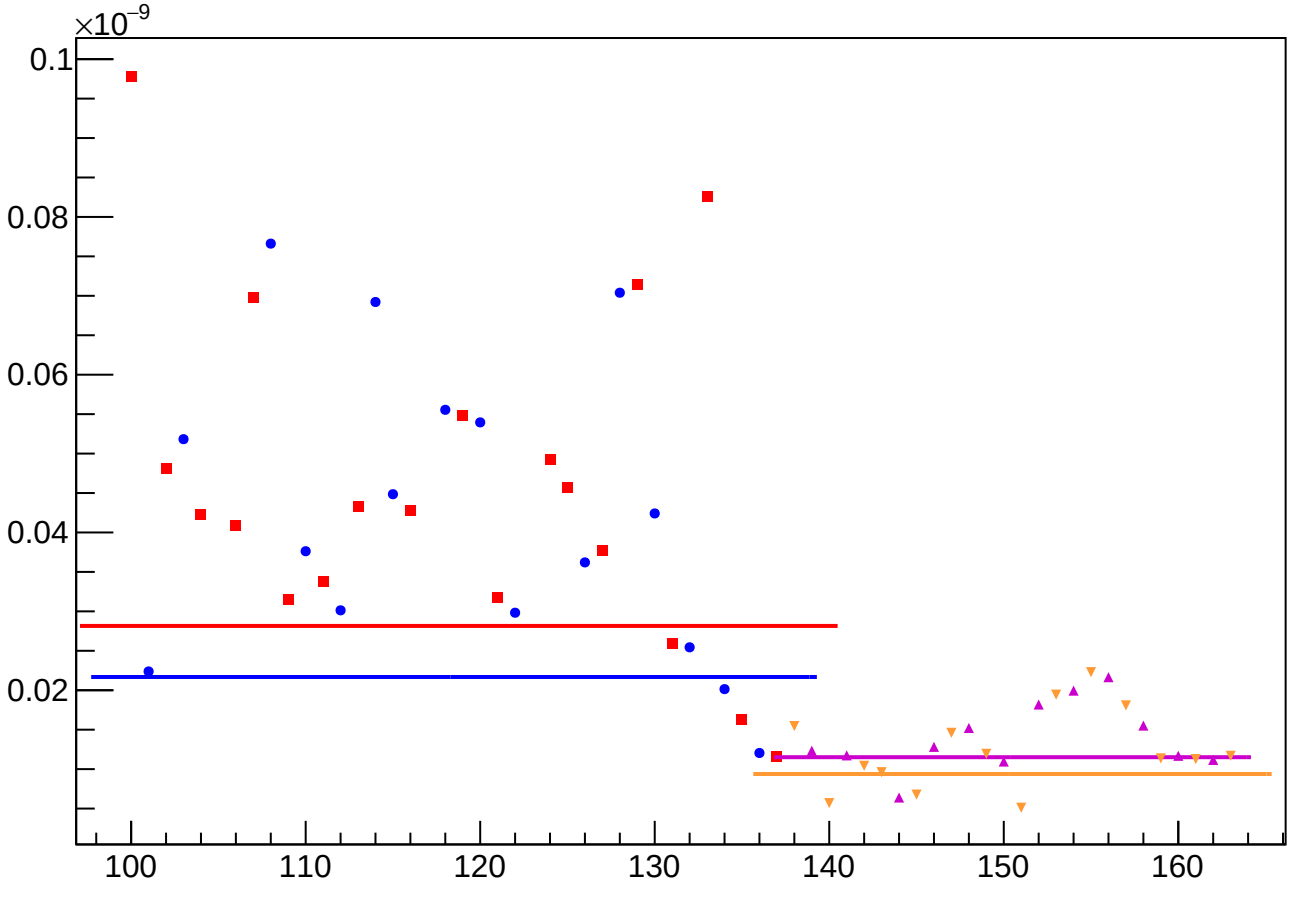
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.057+/-0.009 χ^2/NDF:901567.5/27

Out: 52.351+/-0.009 χ^2/NDF:1153166.2/32

All: 51.706+/-0.006 χ^2/NDF: 2065192.7/60


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/13
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:7.6/11
Left: 0.000+/-0.000 χ²/NDF: 17.6/25
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:18.9/27
Out: 0.000+/-0.000 χ²/NDF:21.7/32
All: 0.000+/-0.000 χ²/NDF: 43.1/60



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2158844.5/13

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1441454.4/11

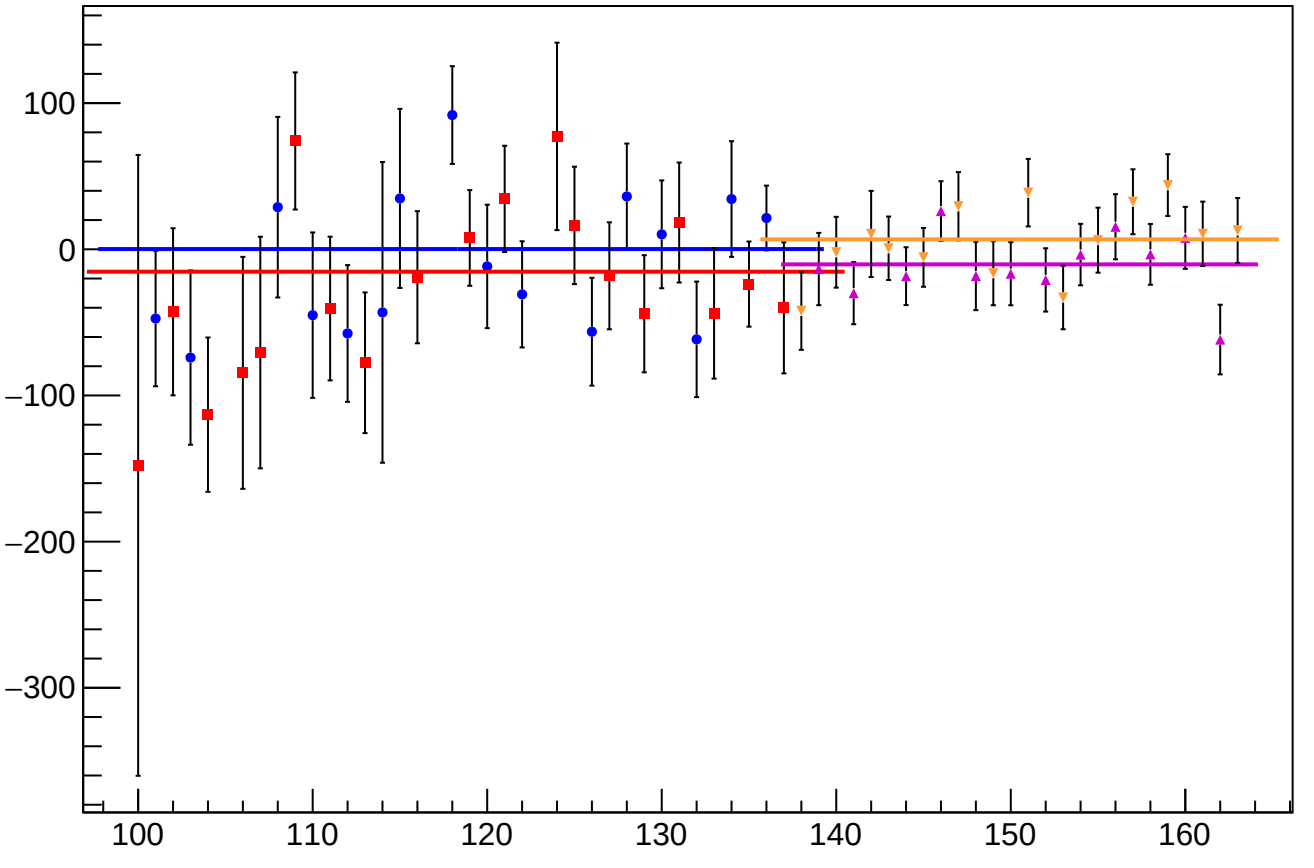
Left: 0.000+/-0.000 χ^2/NDF: 3847171.1/25

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5217905.4/27

Out: 0.000+/-0.000 χ^2/NDF:7663234.0/32

All: 0.000+/-0.000 χ^2/NDF: 13165627.7/60



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.804+/-6.071 χ^2/NDF:15.8/13

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -10.323+/-6.264 χ^2/NDF:11.6/11

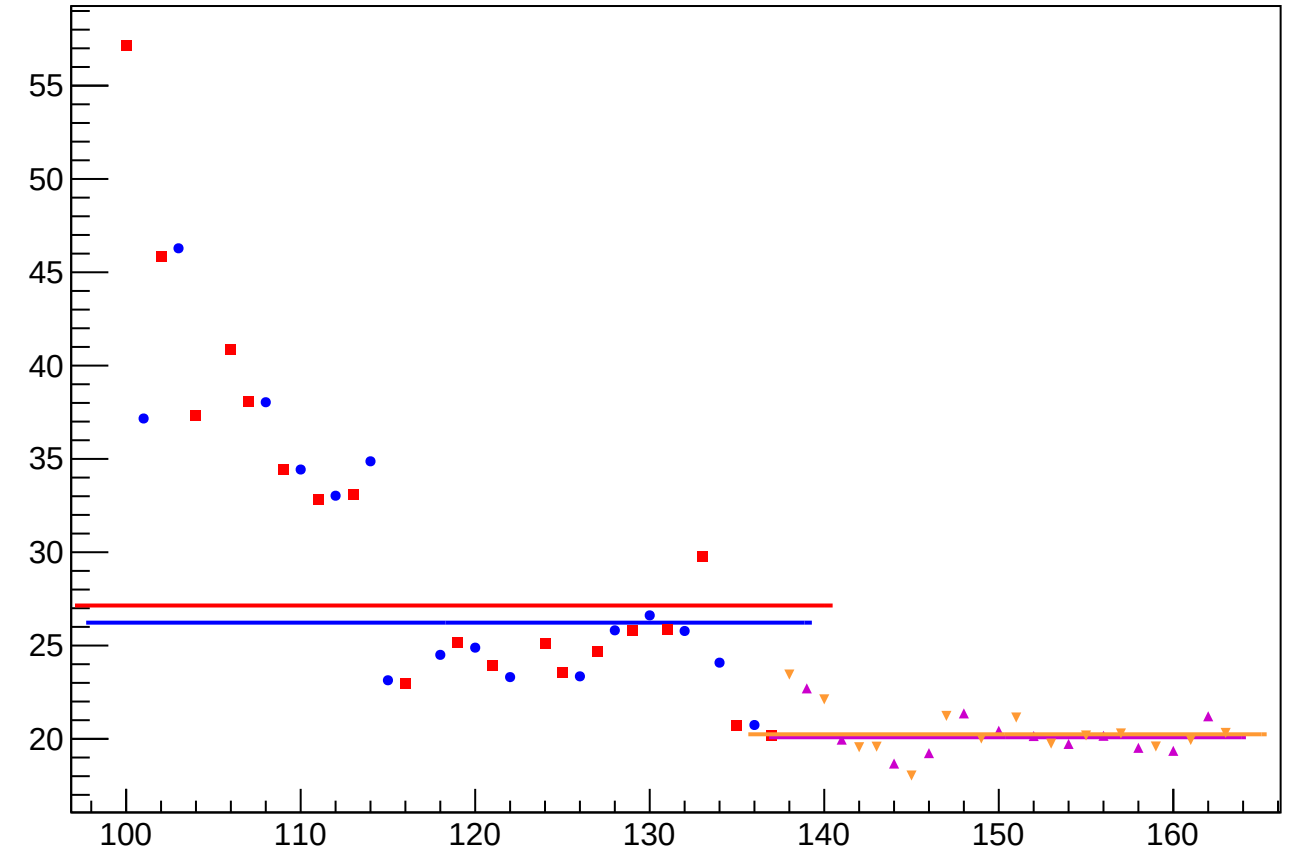
Left: -1.490+/-4.359 χ^2/NDF: 31.3/25

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -7.390+/-5.316 χ^2/NDF:33.7/27

Out: 1.070+/-5.225 χ^2/NDF:37.2/32

All: -3.088+/-3.727 χ^2/NDF: 72.2/60



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.086+/-0.004 χ^2/NDF:51510.7/11

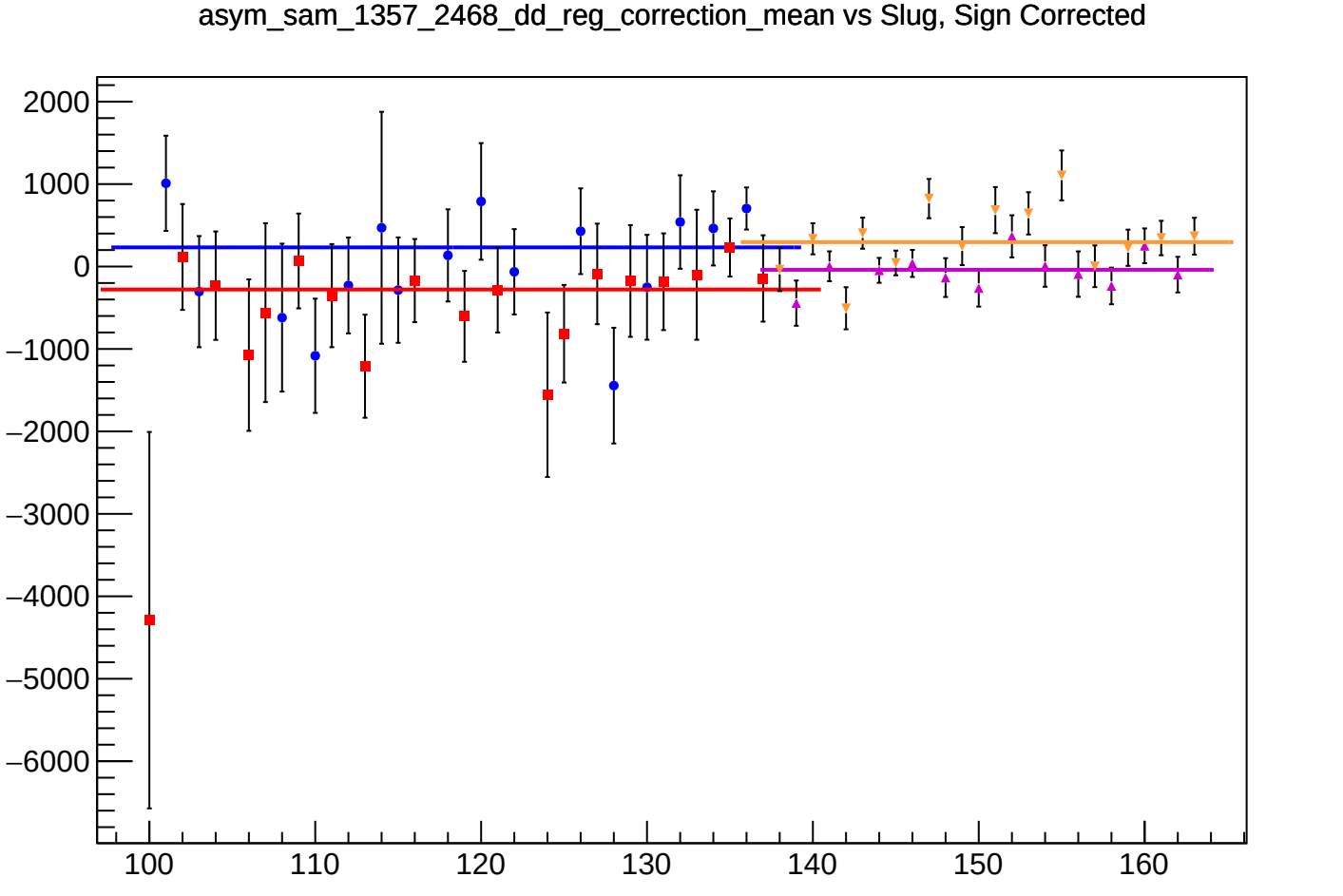
Left: 20.168+/-0.003 χ^2/NDF: 130197.0/25

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

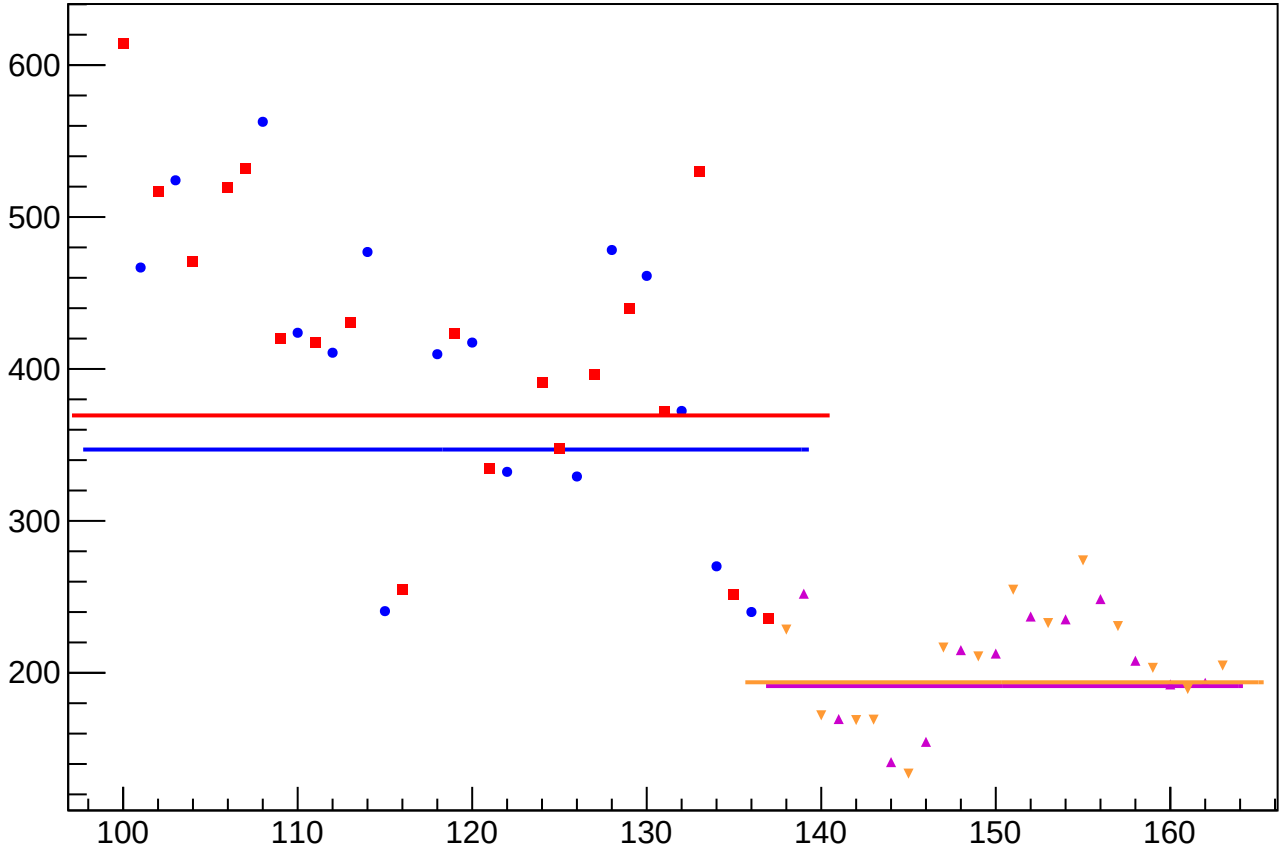
In: 21.805+/-0.004 χ^2/NDF:1265439.5/27

Out: 22.032+/-0.004 χ^2/NDF:1502859.7/32

All: 21.921+/-0.003 χ^2/NDF: 2770157.8/60


asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 295.524+/-59.188 χ²/NDF:32.2/13
Right Out: -279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -39.772+/-60.712 χ²/NDF:8.9/11
Left: 132.138+/-42.381 χ²/NDF: 56.8/25
Right: -14.004+/-97.119 χ²/NDF: 38.6/34
In: 6.035+/-55.361 χ²/NDF:32.0/27
Out: 208.365+/-54.514 χ²/NDF:58.6/32
All: 108.761+/-38.843 χ²/NDF: 97.3/60

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 193.779+/-0.042 χ^2/NDF:800376.8/13

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 191.288+/-0.043 χ^2/NDF:708537.6/11

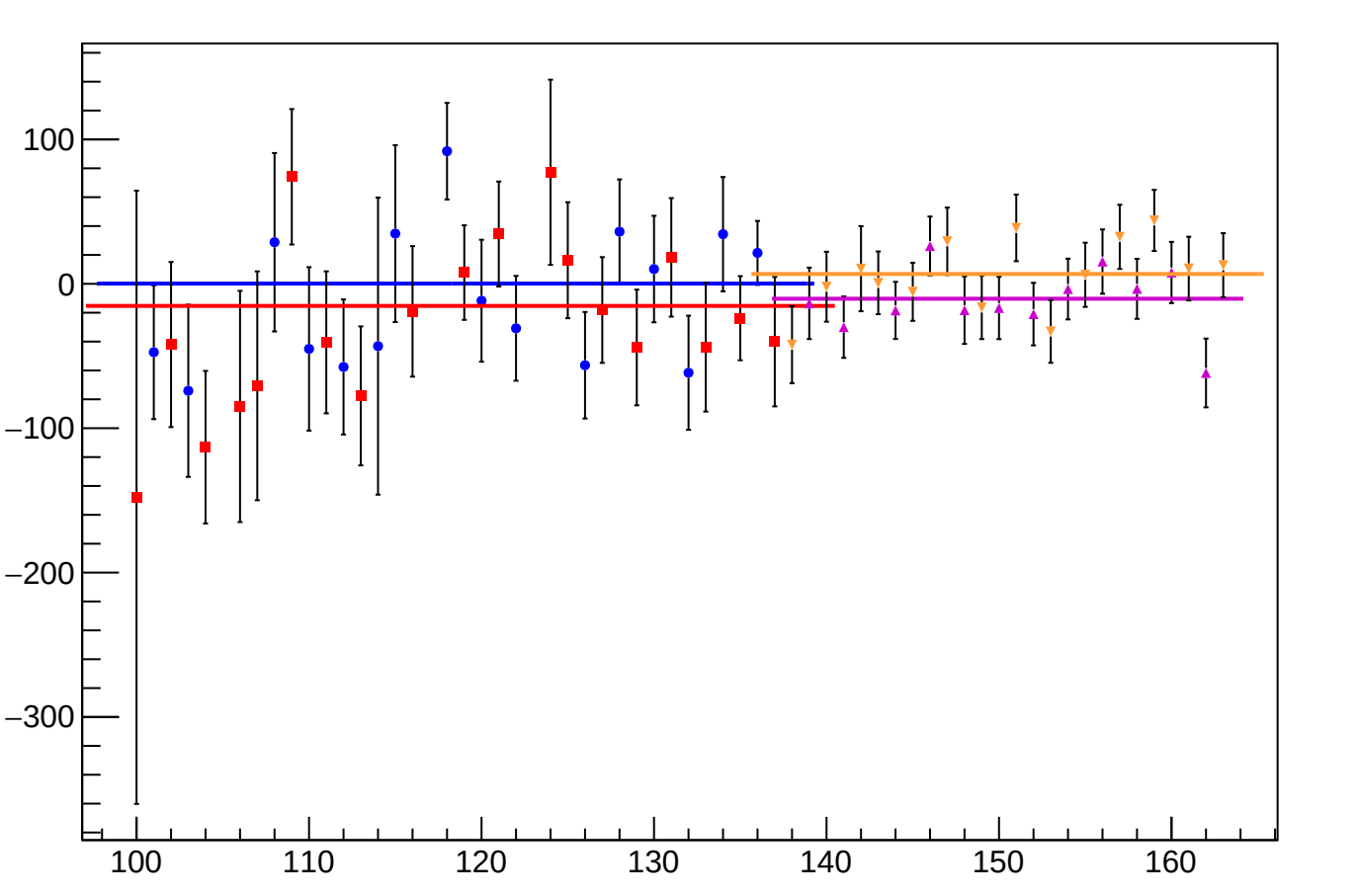
Left: 192.565+/-0.030 χ^2/NDF: 1510639.4/25

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 217.519+/-0.039 χ^2/NDF:3982360.8/27

Out: 220.421+/-0.039 χ^2/NDF:4390688.2/32

All: 218.993+/-0.027 χ^2/NDF: 8375838.5/60



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -10.323+/-6.264 χ^2/NDF:11.6/11

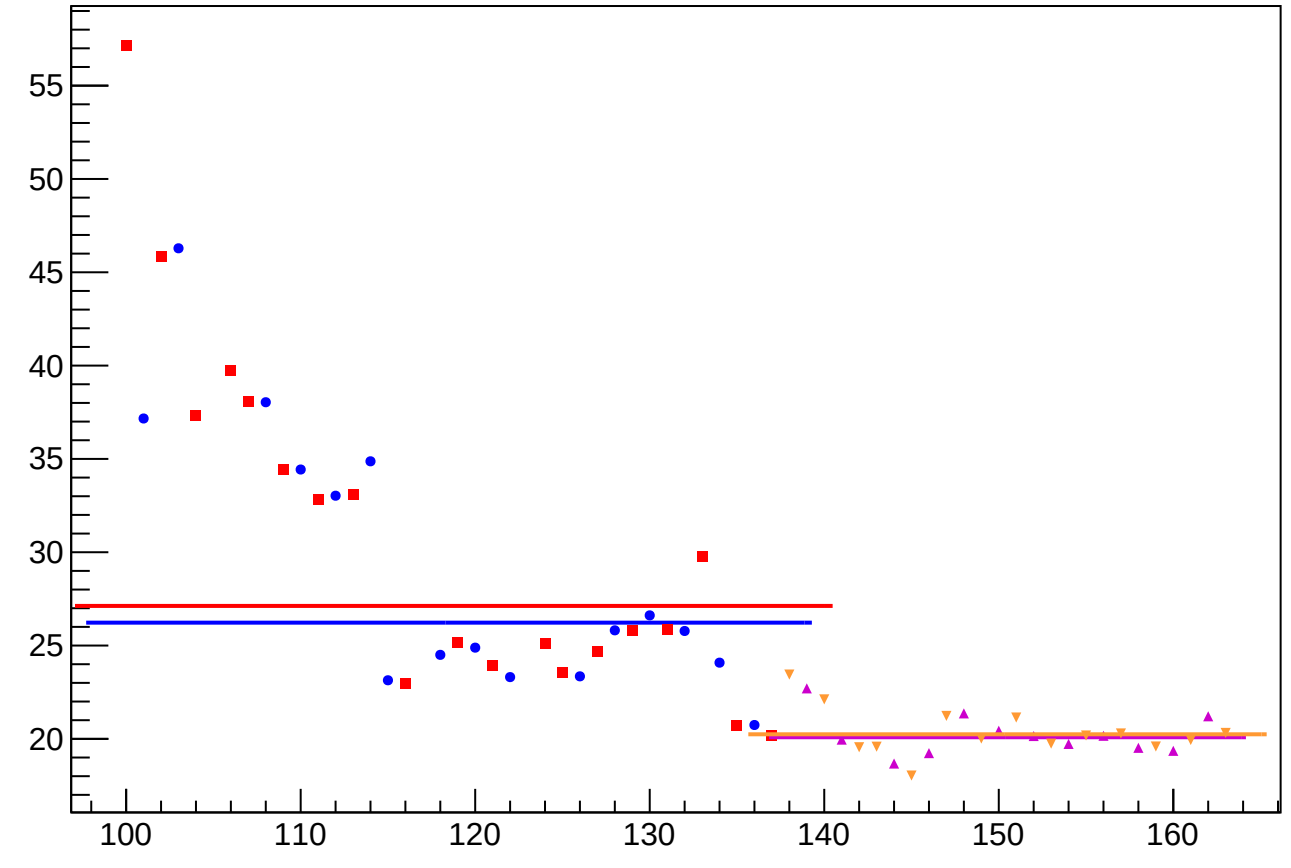
Left: -1.491+/-4.359 χ^2/NDF: 31.3/25

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.390+/-5.316 χ^2/NDF:33.7/27

Out: 1.081+/-5.226 χ^2/NDF:37.2/32

All: -3.082+/-3.727 χ^2/NDF: 72.2/60



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.086+/-0.004 χ^2/NDF:51510.7/11

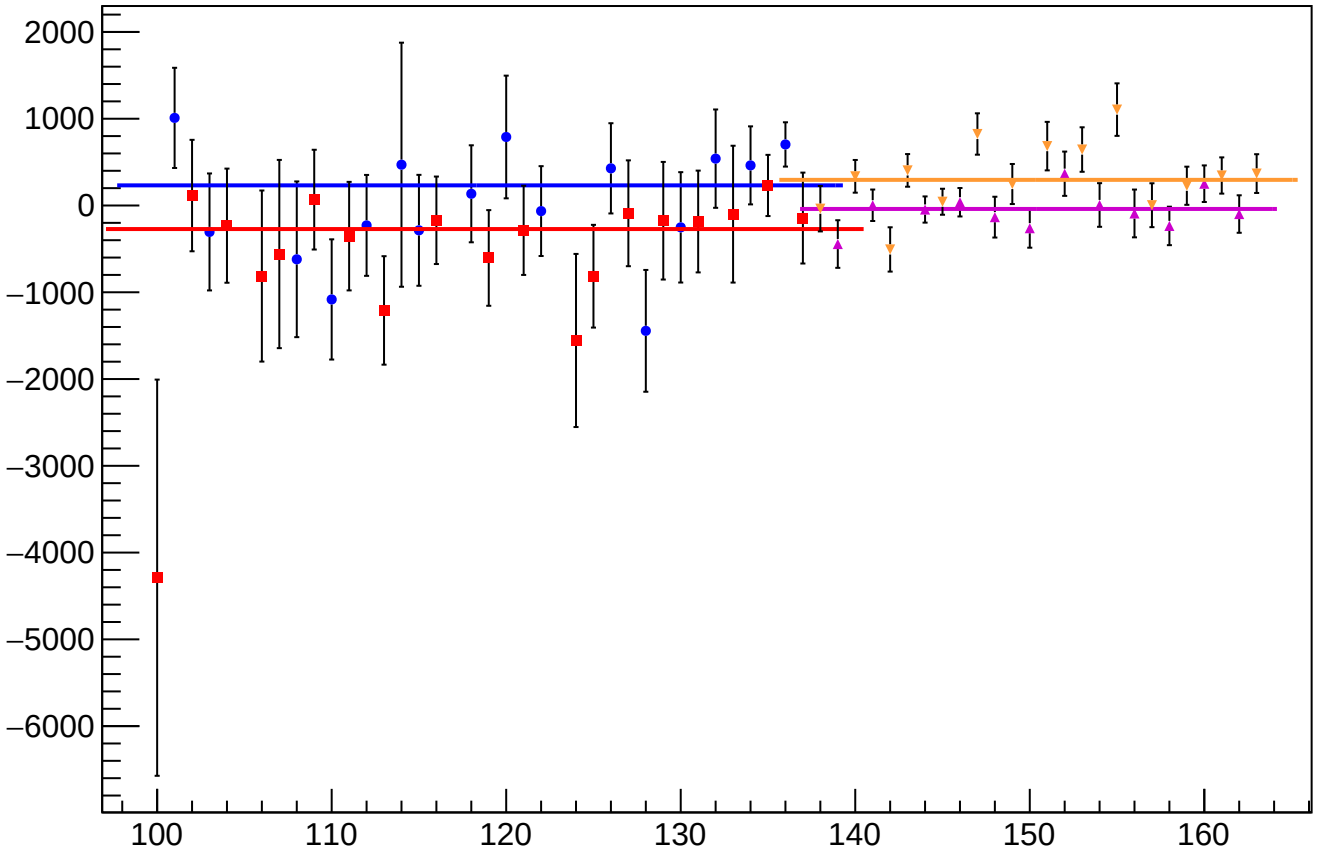
Left: 20.168+/-0.003 χ^2/NDF: 130197.0/25

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.805+/-0.004 χ^2/NDF:1265442.8/27

Out: 22.026+/-0.004 χ^2/NDF:1488706.6/32

All: 21.918+/-0.003 χ^2/NDF: 2755909.4/60



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 295.522+/-59.188 χ^2/NDF:32.2/13

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -39.772+/-60.712 χ^2/NDF:8.9/11

Left: 132.137+/-42.381 χ^2/NDF: 56.8/25

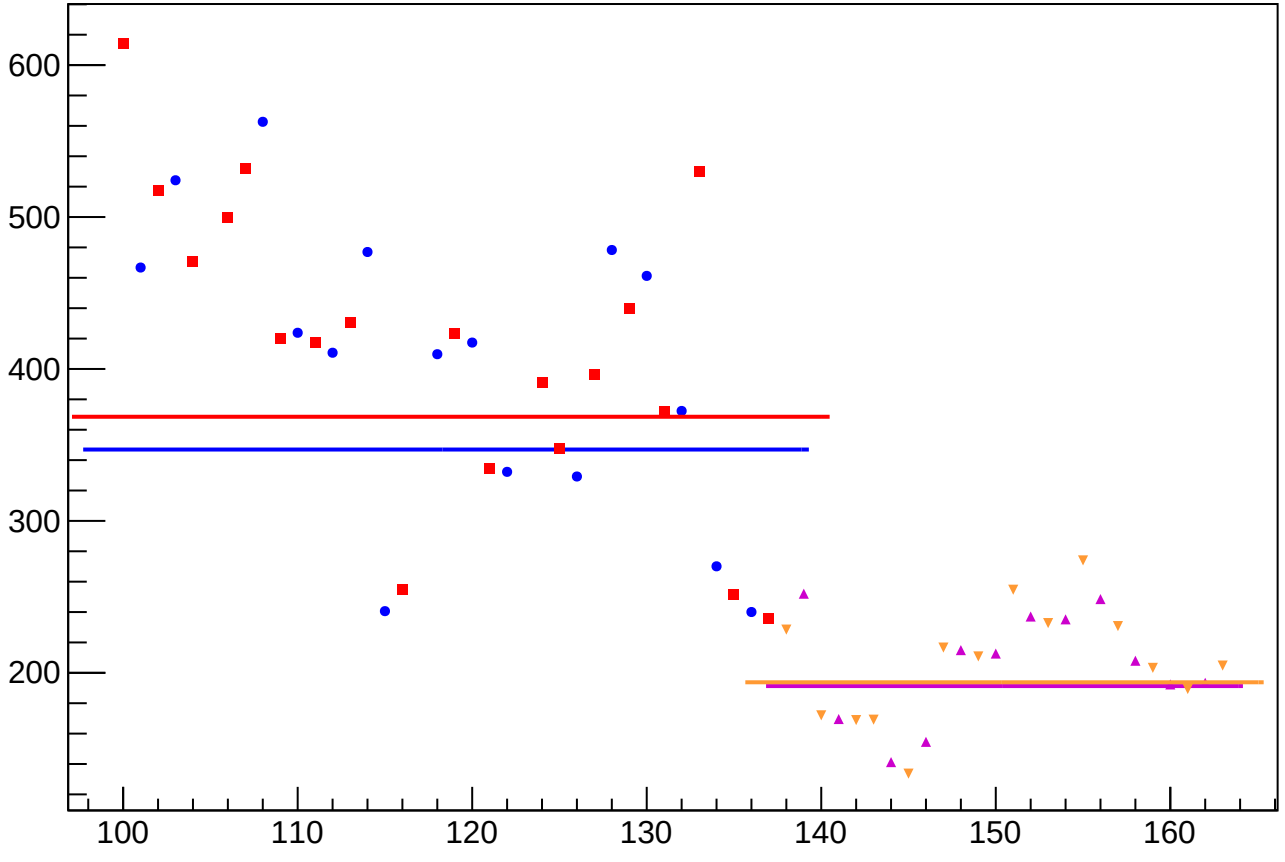
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 6.033+/-55.362 χ^2/NDF:32.0/27

Out: 209.747+/-54.527 χ^2/NDF:57.7/32

All: 109.438+/-38.848 χ^2/NDF: 96.5/60

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: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.289+/-0.043 χ^2/NDF:708535.5/11

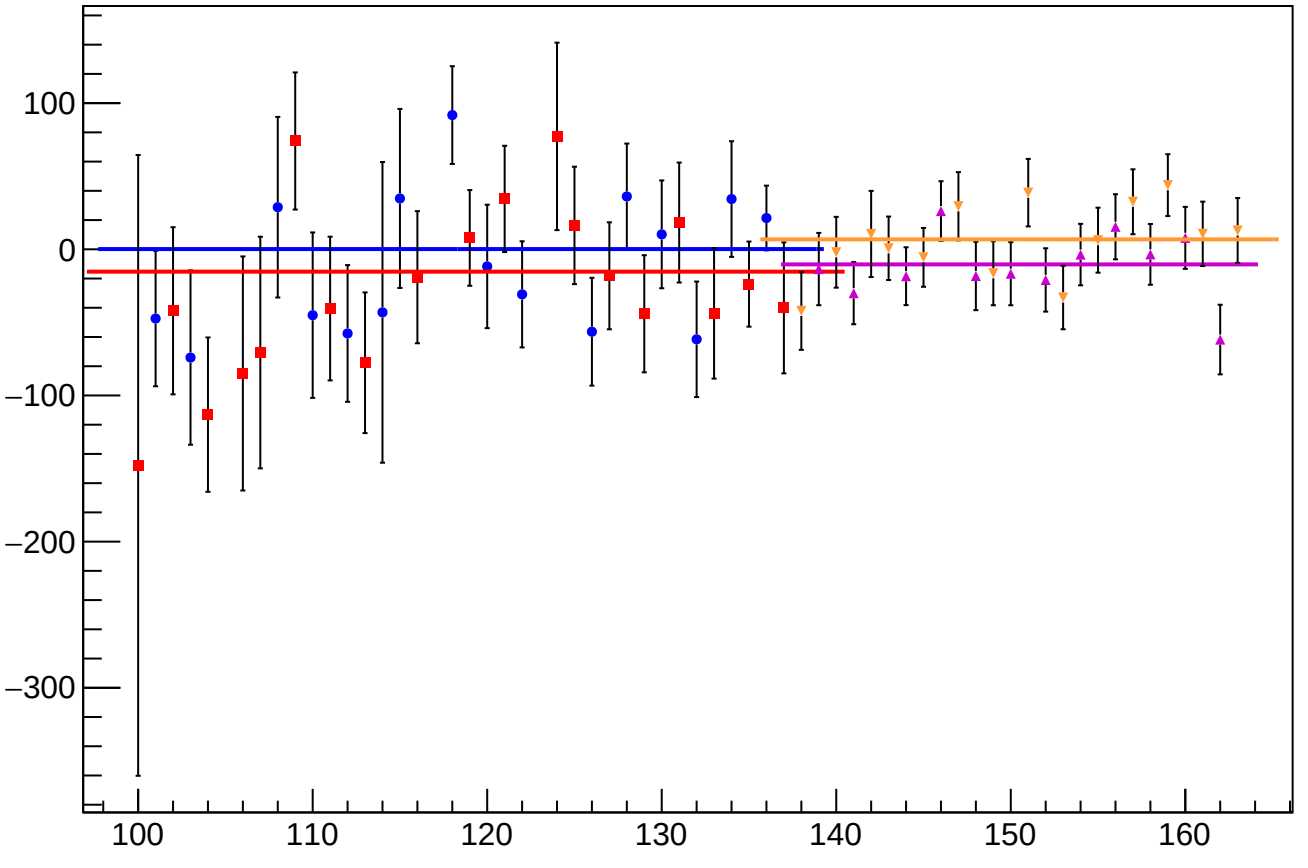
Left: 192.565+/-0.030 χ^2/NDF: 1510640.2/25

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 217.519+/-0.039 χ^2/NDF:3982382.7/27

Out: 220.220+/-0.039 χ^2/NDF:4338788.9/32

All: 218.890+/-0.027 χ^2/NDF: 8323586.7/60



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 6.803+/-6.071 χ^2/NDF:15.8/13

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -10.323+/-6.264 χ^2/NDF:11.6/11

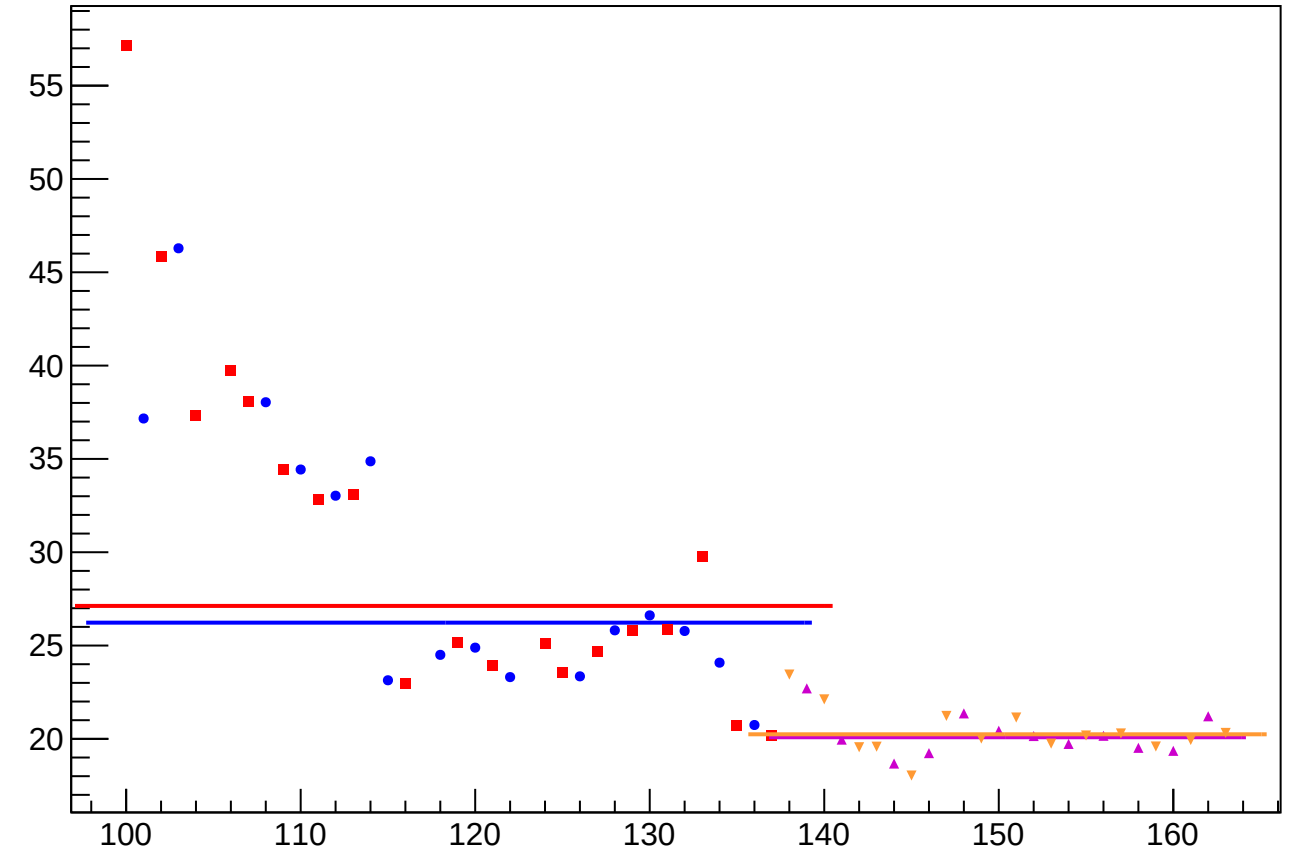
Left: -1.491+/-4.359 χ^2/NDF: 31.3/25

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.390+/-5.316 χ^2/NDF:33.7/27

Out: 1.081+/-5.226 χ^2/NDF:37.2/32

All: -3.082+/-3.727 χ^2/NDF: 72.2/60



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.245+/-0.004 χ^2/NDF:78025.8/13

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.086+/-0.004 χ^2/NDF:51510.7/11

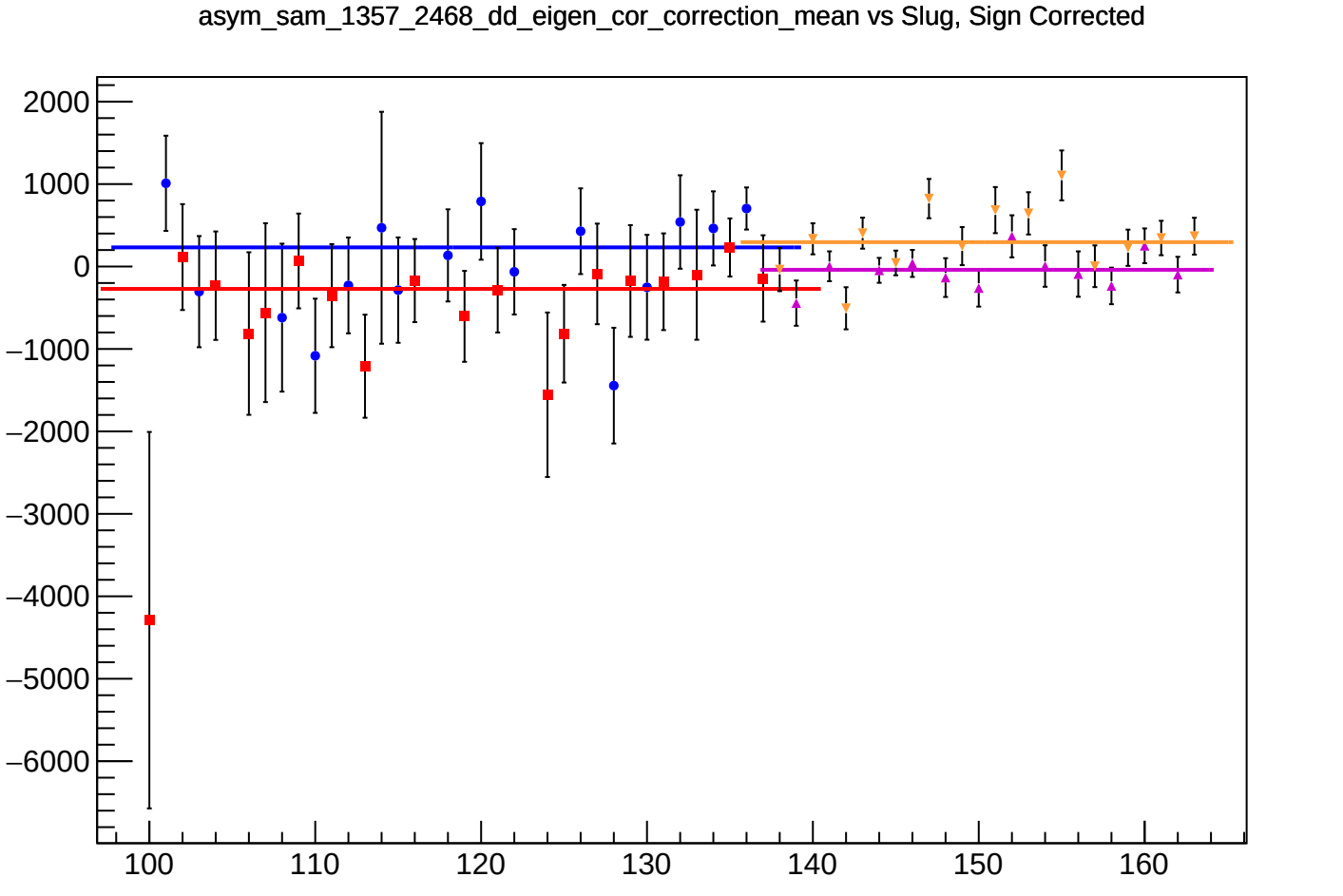
Left: 20.168+/-0.003 χ^2/NDF: 130197.0/25

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

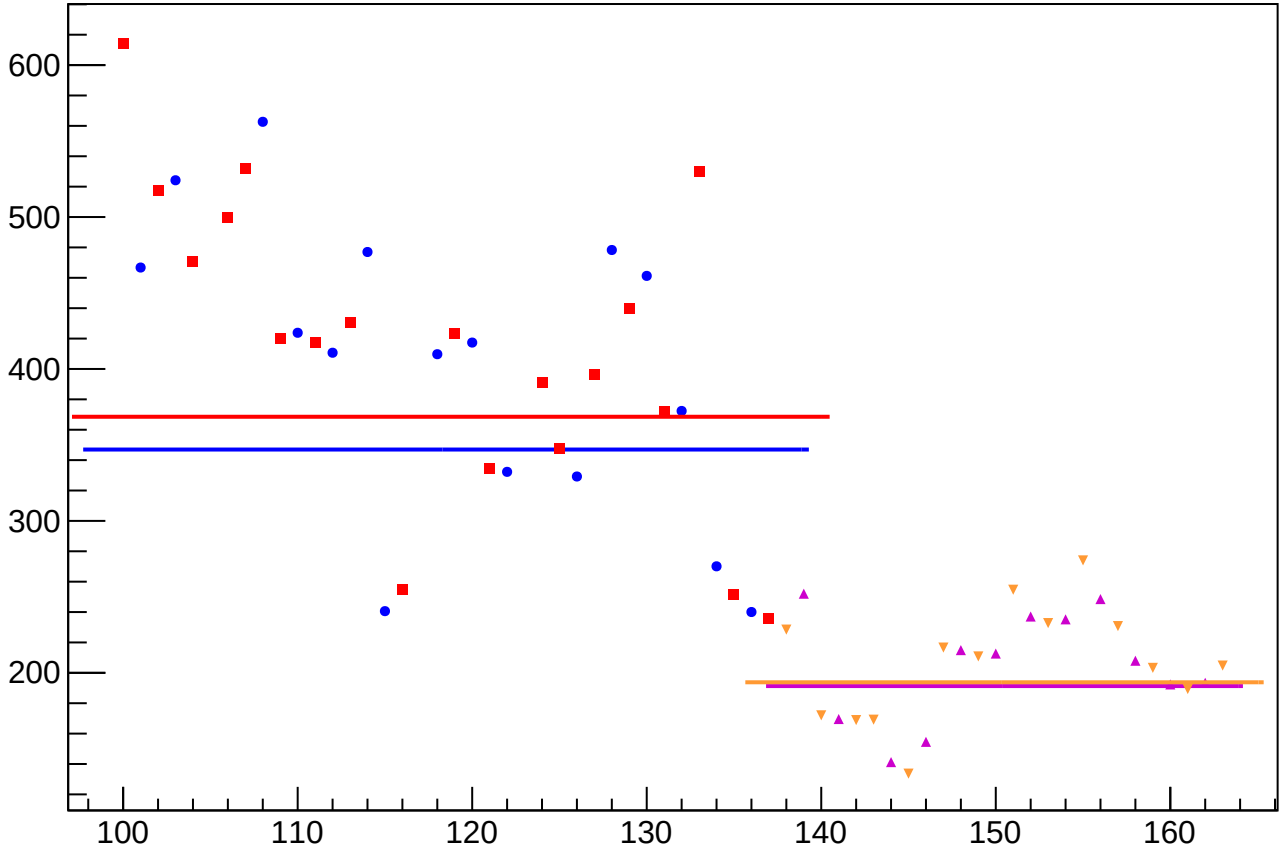
In: 21.805+/-0.004 χ^2/NDF:1265442.8/27

Out: 22.026+/-0.004 χ^2/NDF:1488706.6/32

All: 21.918+/-0.003 χ^2/NDF: 2755909.4/60


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 295.522+/-59.188 χ²/NDF:32.2/13
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: -39.772+/-60.712 χ²/NDF:8.9/11
Left: 132.137+/-42.381 χ²/NDF: 56.8/25
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 6.033+/-55.362 χ²/NDF:32.0/27
Out: 209.747+/-54.527 χ²/NDF:57.7/32
All: 109.438+/-38.848 χ²/NDF: 96.5/60

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: 193.778+/-0.042 χ^2/NDF:800380.0/13

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 191.289+/-0.043 χ^2/NDF:708535.5/11

Left: 192.565+/-0.030 χ^2/NDF: 1510640.2/25

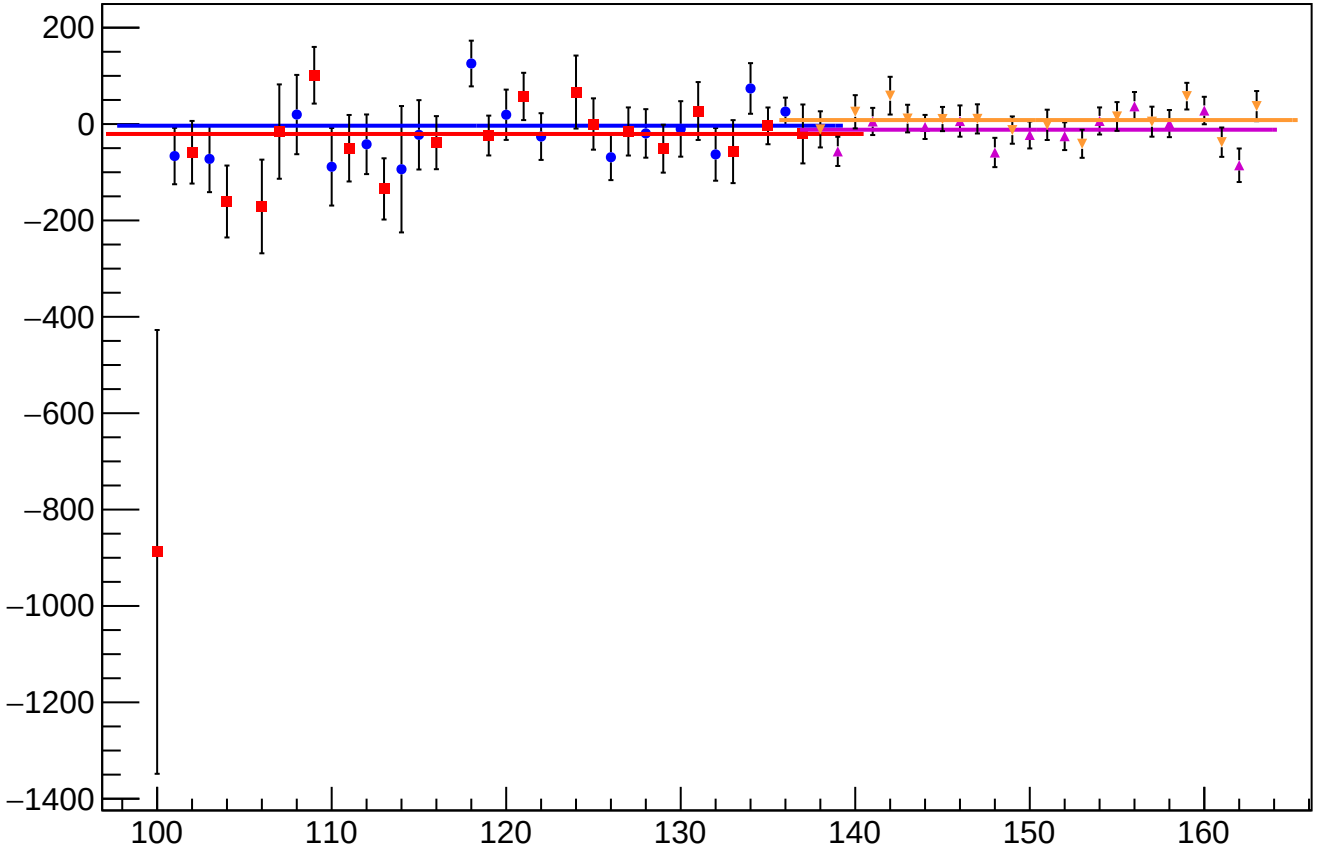
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 217.519+/-0.039 χ^2/NDF:3982382.7/27

Out: 220.220+/-0.039 χ^2/NDF:4338788.9/32

All: 218.890+/-0.027 χ^2/NDF: 8323586.7/60

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.746+/-8.397 χ^2/NDF:15.5/11

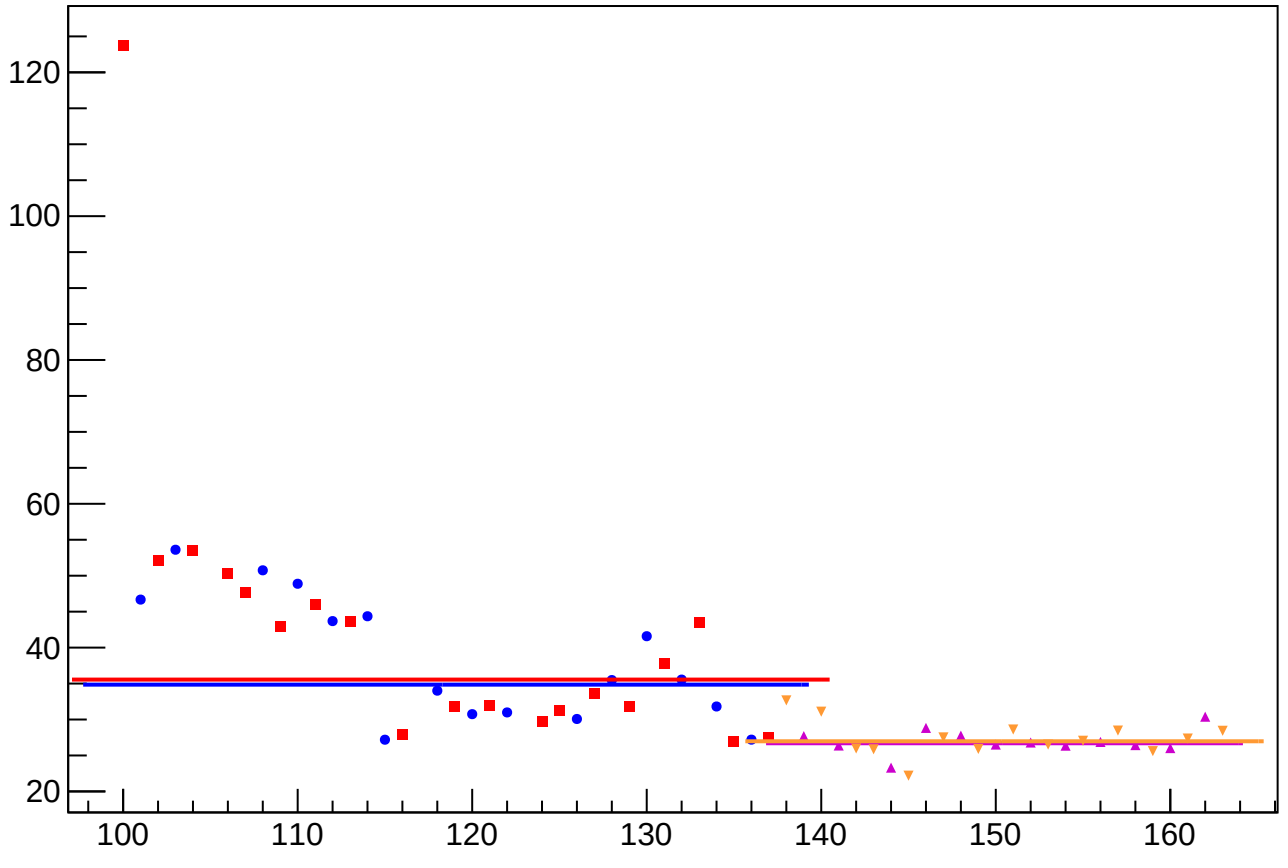
Left: -1.424+/-5.845 χ^2/NDF: 30.5/25

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.398+/-7.114 χ^2/NDF:34.2/27

Out: 0.564+/-6.968 χ^2/NDF:38.6/32

All: -4.313+/-4.978 χ^2/NDF: 73.8/60



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.974+/-0.006 χ^2/NDF:174905.4/13

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.700+/-0.006 χ^2/NDF:74697.8/11

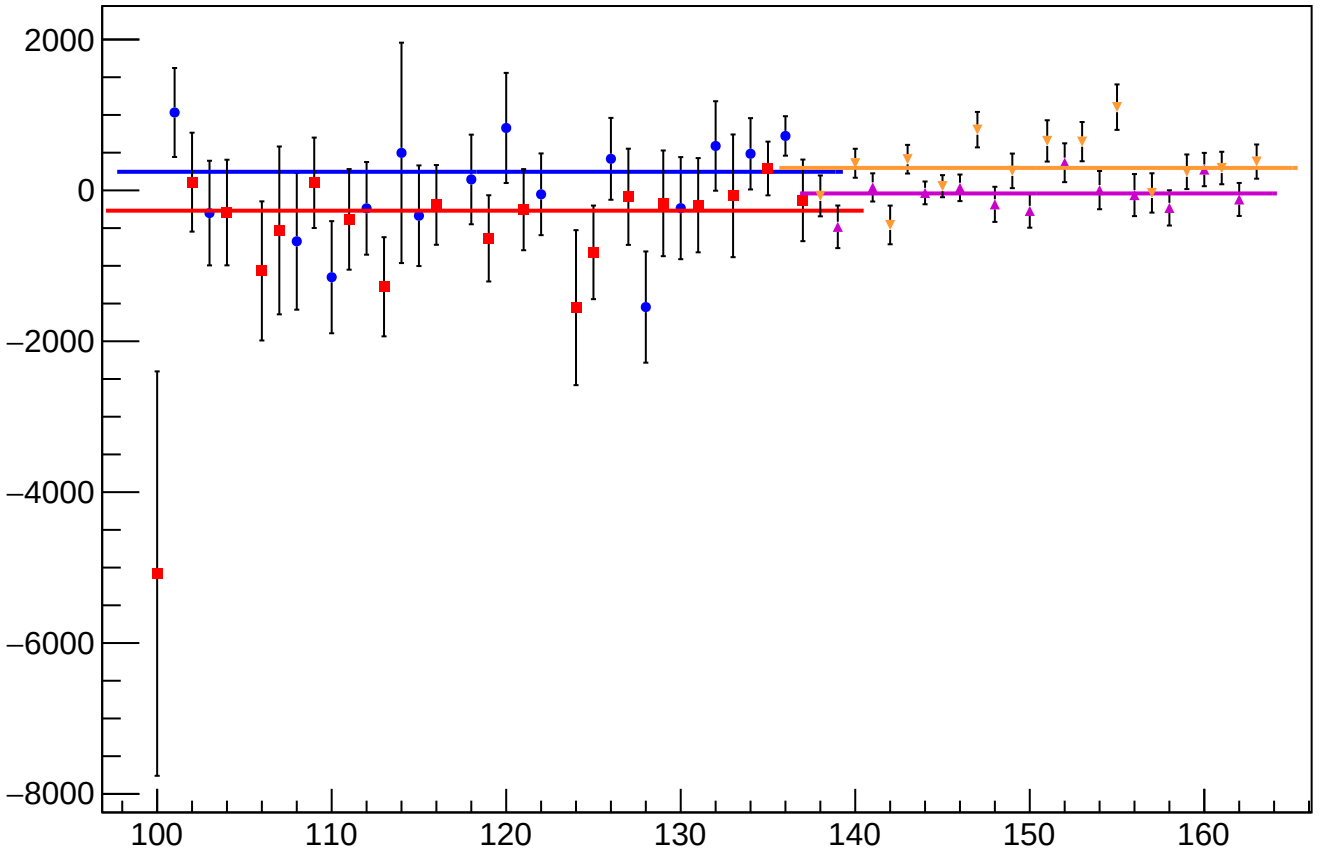
Left: 26.841+/-0.004 χ^2/NDF: 250704.5/25

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.000+/-0.005 χ^2/NDF:1264618.5/27

Out: 29.268+/-0.005 χ^2/NDF:1548695.8/32

All: 29.137+/-0.004 χ^2/NDF: 2814767.1/60



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 297.925+/-59.610 χ^2/NDF:30.9/13

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -40.470+/-62.124 χ^2/NDF:9.7/11

Left: 135.714+/-43.012 χ^2/NDF: 56.0/25

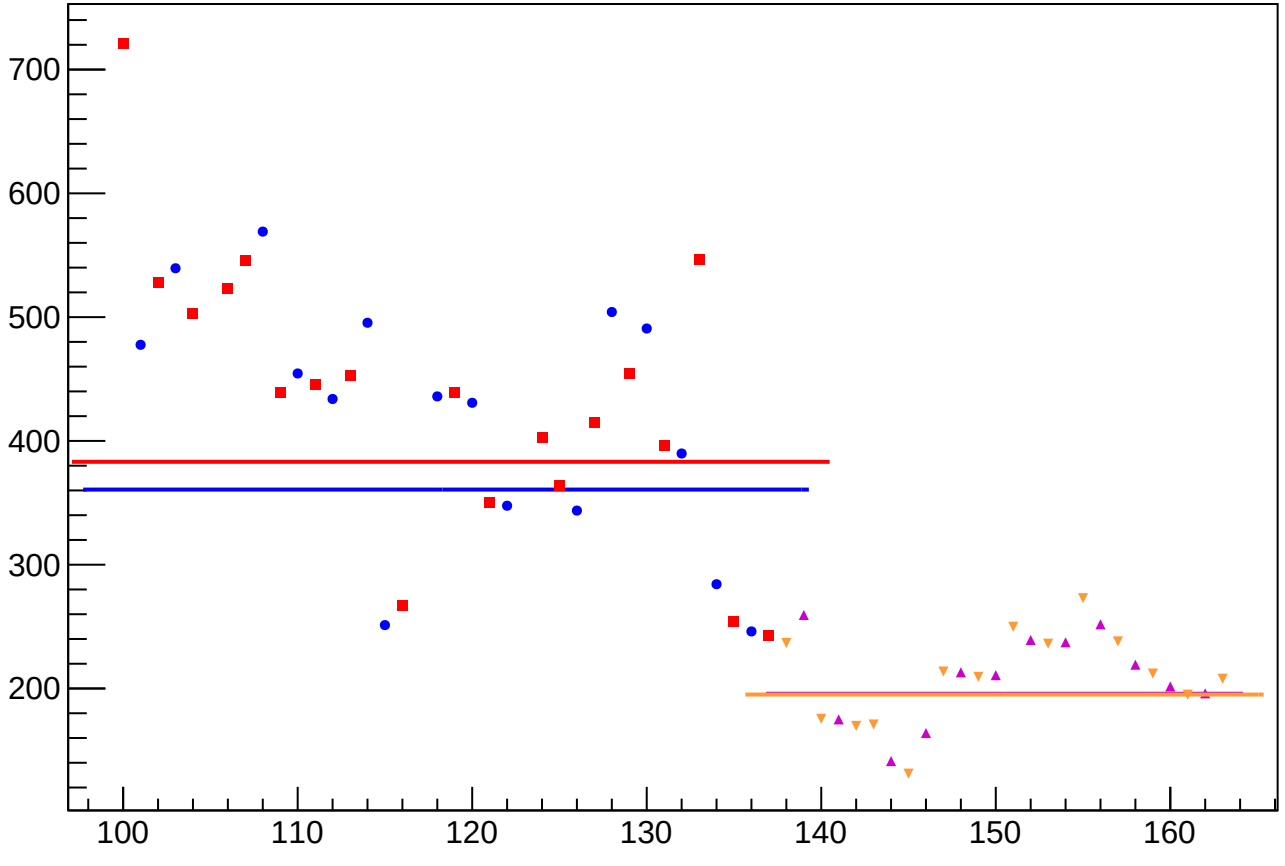
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 6.587+/-56.803 χ^2/NDF:32.9/27

Out: 216.261+/-55.149 χ^2/NDF:56.6/32

All: 114.522+/-39.568 χ^2/NDF: 96.5/60

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: 195.103+/-0.042 χ^2/NDF:856660.4/13

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 195.760+/-0.044 χ^2/NDF:684321.7/11

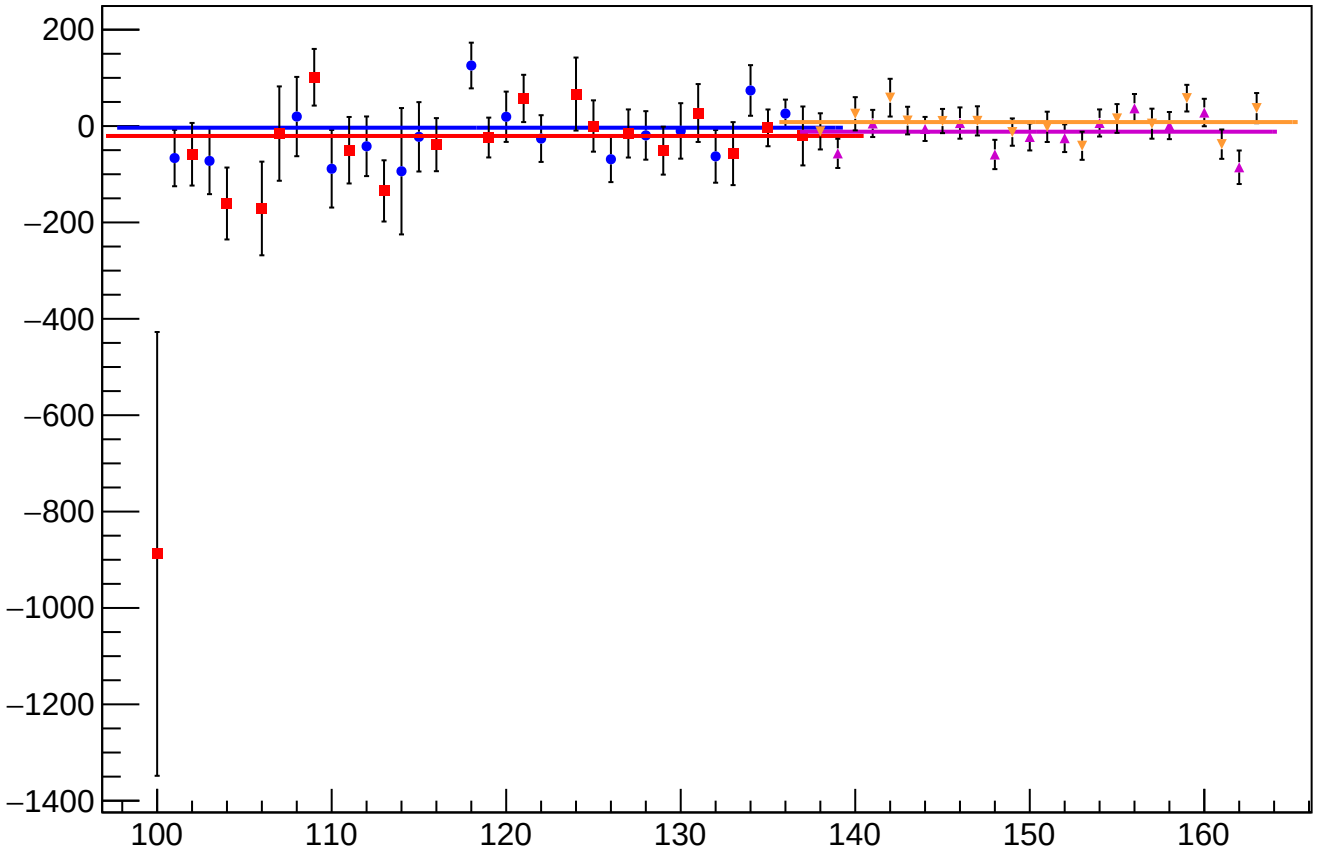
Left: 195.418+/-0.030 χ^2/NDF: 1541098.8/25

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 222.805+/-0.040 χ^2/NDF:4088607.2/27

Out: 222.192+/-0.039 χ^2/NDF:4686697.7/32

All: 222.490+/-0.028 χ^2/NDF: 8775425.1/60



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.278+/-8.141 χ^2/NDF:12.1/13

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.746+/-8.397 χ^2/NDF:15.5/11

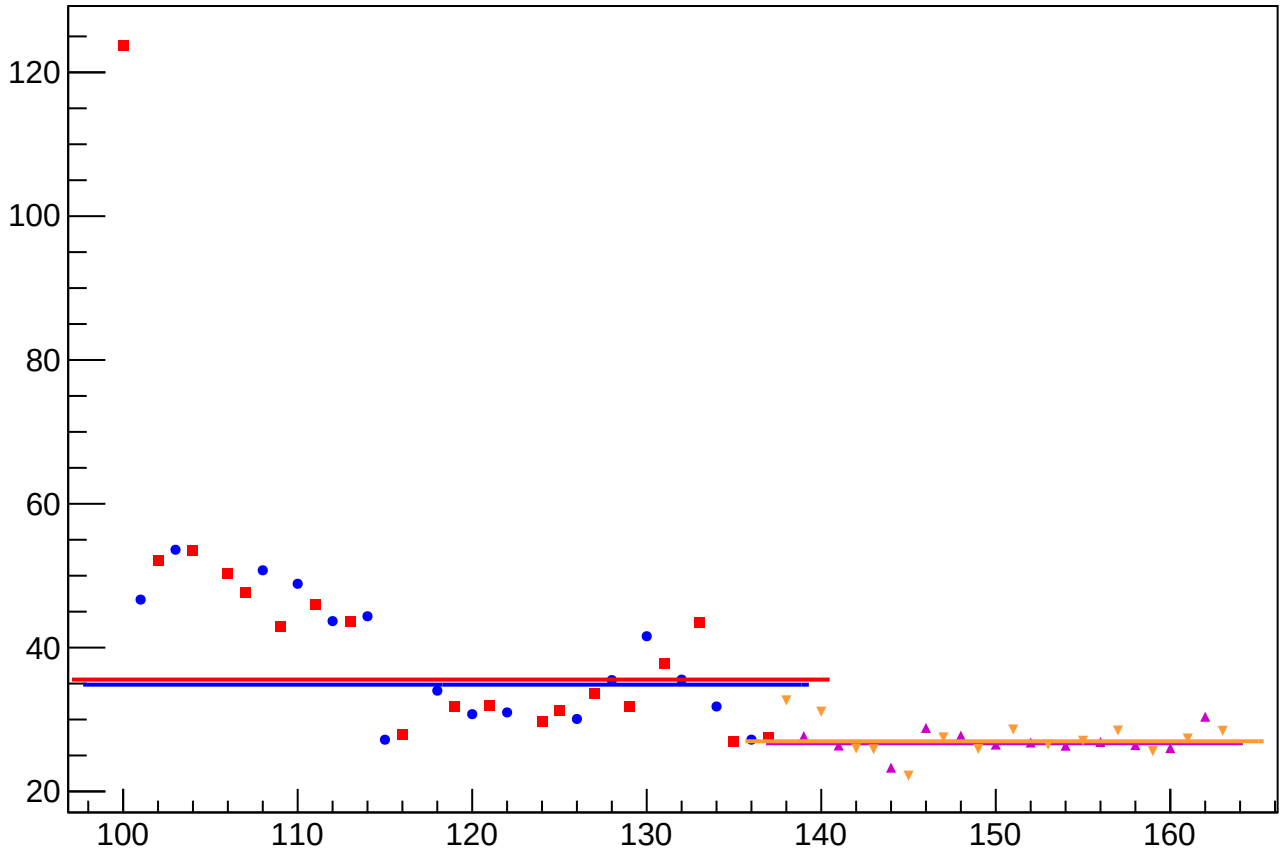
Left: -1.424+/-5.845 χ^2/NDF: 30.5/25

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.398+/-7.114 χ^2/NDF:34.2/27

Out: 0.564+/-6.968 χ^2/NDF:38.6/32

All: -4.313+/-4.978 χ^2/NDF: 73.8/60



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.974+/-0.006 χ^2/NDF:174894.6/13

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.700+/-0.006 χ^2/NDF:74694.6/11

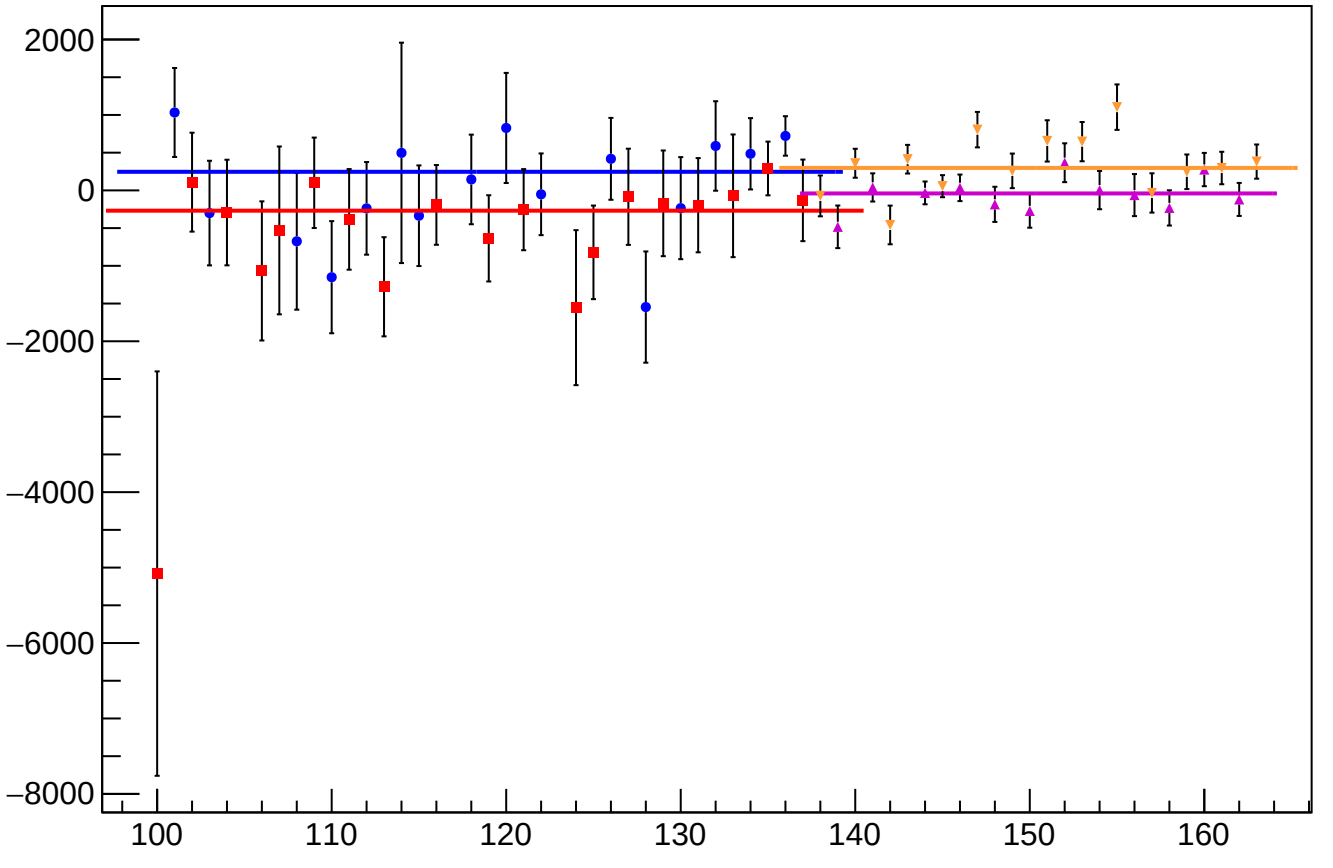
Left: 26.841+/-0.004 χ^2/NDF: 250690.9/25

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.999+/-0.005 χ^2/NDF:1264504.5/27

Out: 29.268+/-0.005 χ^2/NDF:1548595.9/32

All: 29.137+/-0.004 χ^2/NDF: 2814554.0/60



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 297.924+/-59.609 χ^2/NDF:30.9/13

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -40.470+/-62.124 χ^2/NDF:9.7/11

Left: 135.714+/-43.012 χ^2/NDF: 56.0/25

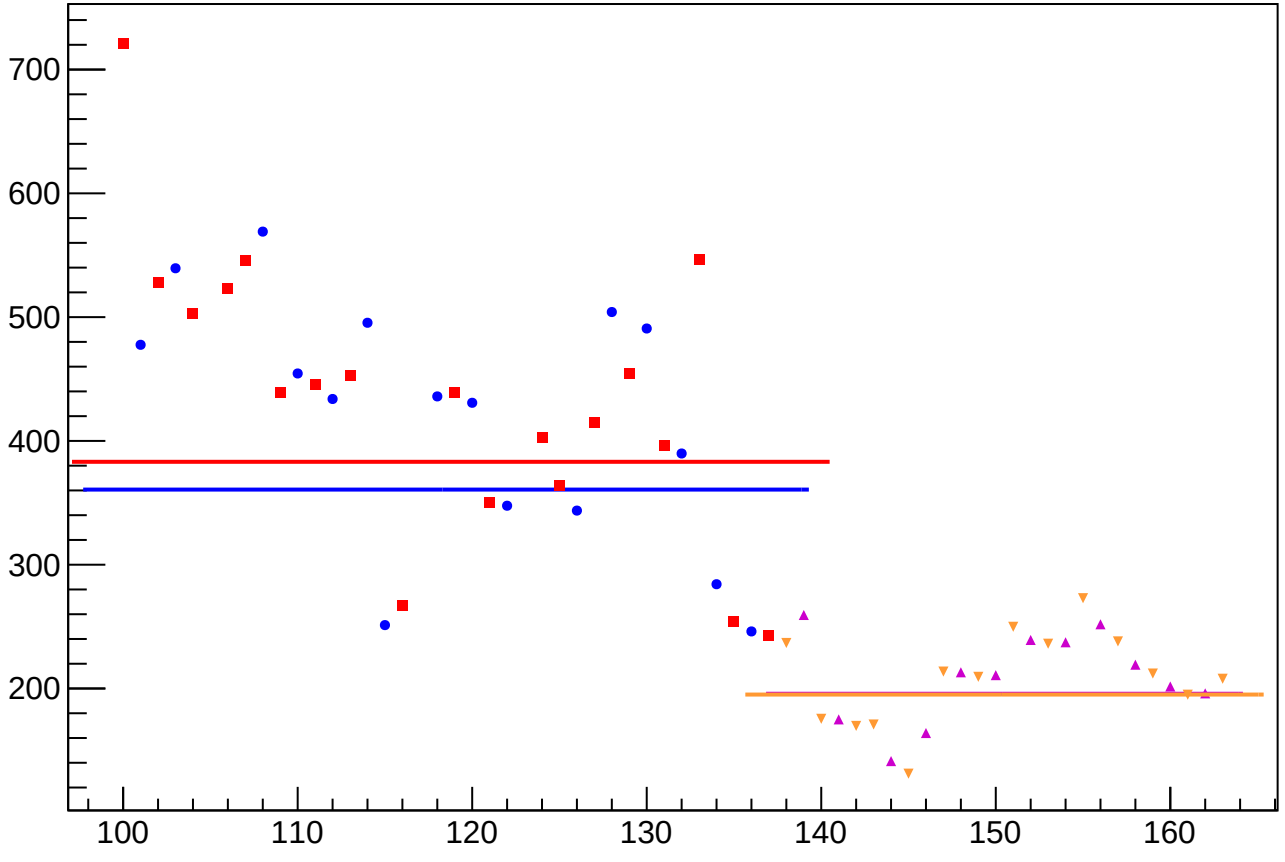
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 6.587+/-56.803 χ^2/NDF:32.9/27

Out: 216.260+/-55.149 χ^2/NDF:56.6/32

All: 114.521+/-39.568 χ^2/NDF: 96.5/60

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: 195.102+/-0.042 χ^2/NDF:856679.7/13

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 195.760+/-0.044 χ^2/NDF:684325.9/11

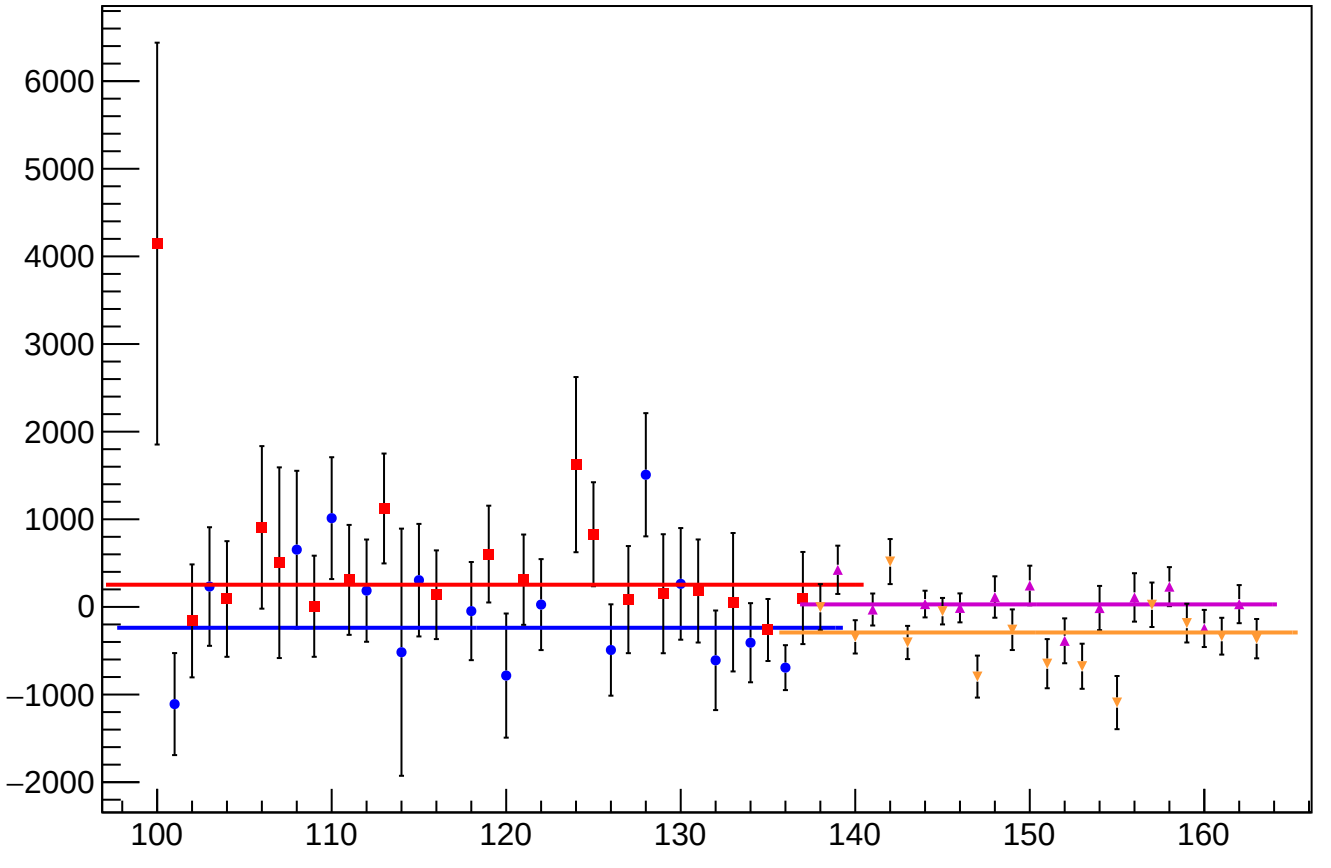
Left: 195.418+/-0.030 χ^2/NDF: 1541122.4/25

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 222.805+/-0.040 χ^2/NDF:4088601.7/27

Out: 222.191+/-0.039 χ^2/NDF:4686715.9/32

All: 222.489+/-0.028 χ^2/NDF: 8775437.8/60



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -291.740+/-59.543 χ^2/NDF:31.3/13

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 28.787+/-61.080 χ^2/NDF:8.5/11

Left: -135.560+/-42.636 χ^2/NDF: 53.9/25

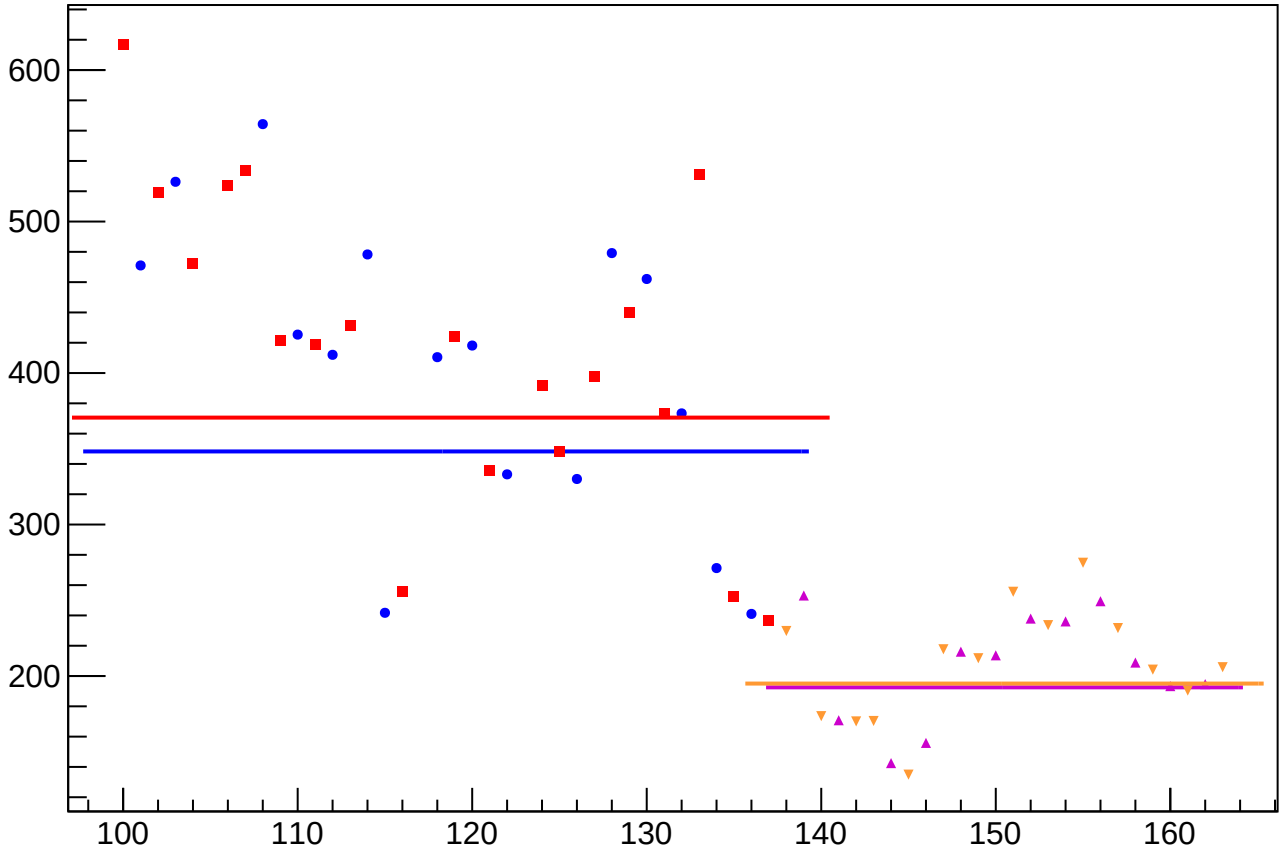
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -16.360+/-55.674 χ^2/NDF:31.7/27

Out: -208.646+/-54.818 χ^2/NDF:55.8/32

All: -113.992+/-39.061 χ^2/NDF: 93.5/60

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 195.023+/-0.042 χ^2/NDF:784845.8/13

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 192.525+/-0.043 χ^2/NDF:694405.4/11

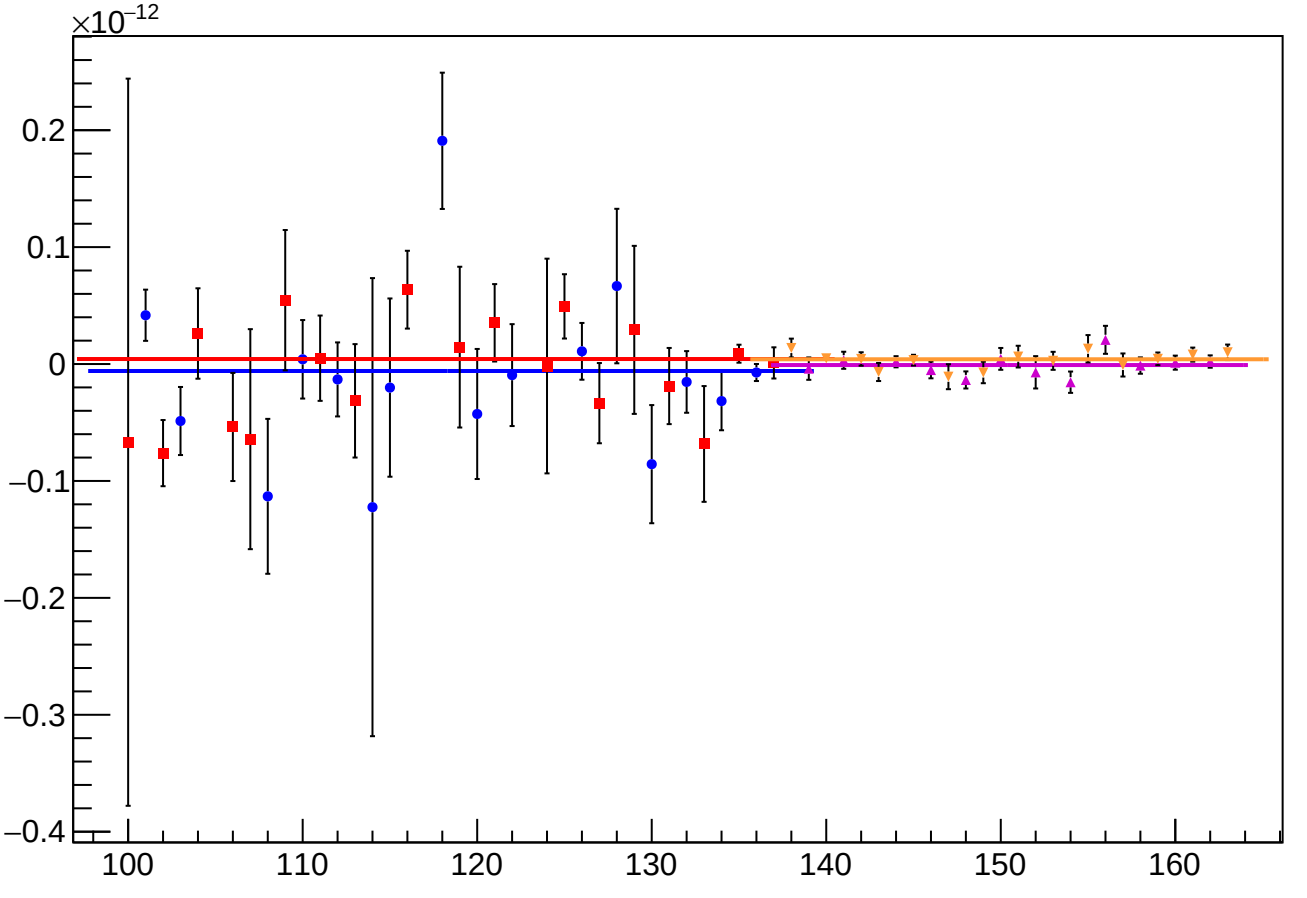
Left: 193.806+/-0.030 χ^2/NDF: 1480965.9/25

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 218.874+/-0.039 χ^2/NDF:3950851.3/27

Out: 221.781+/-0.039 χ^2/NDF:4352825.0/32

All: 220.350+/-0.028 χ^2/NDF: 8306445.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/11

Left: 0.000+/-0.000 χ^2/NDF: 23.4/25

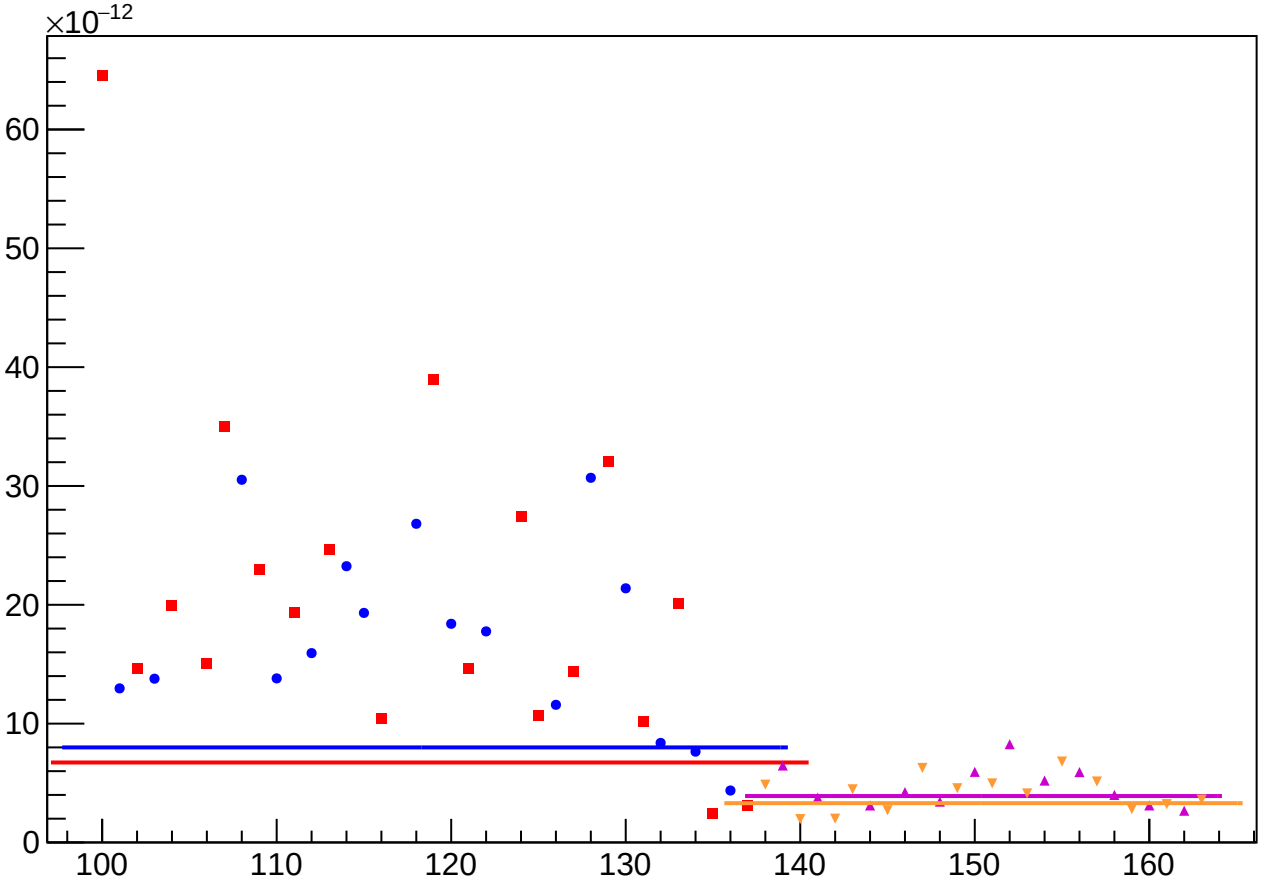
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:39.0/27

Out: 0.000+/-0.000 χ^2/NDF:32.1/32

All: 0.000+/-0.000 χ^2/NDF: 75.7/60

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1023912.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:747271.3/11

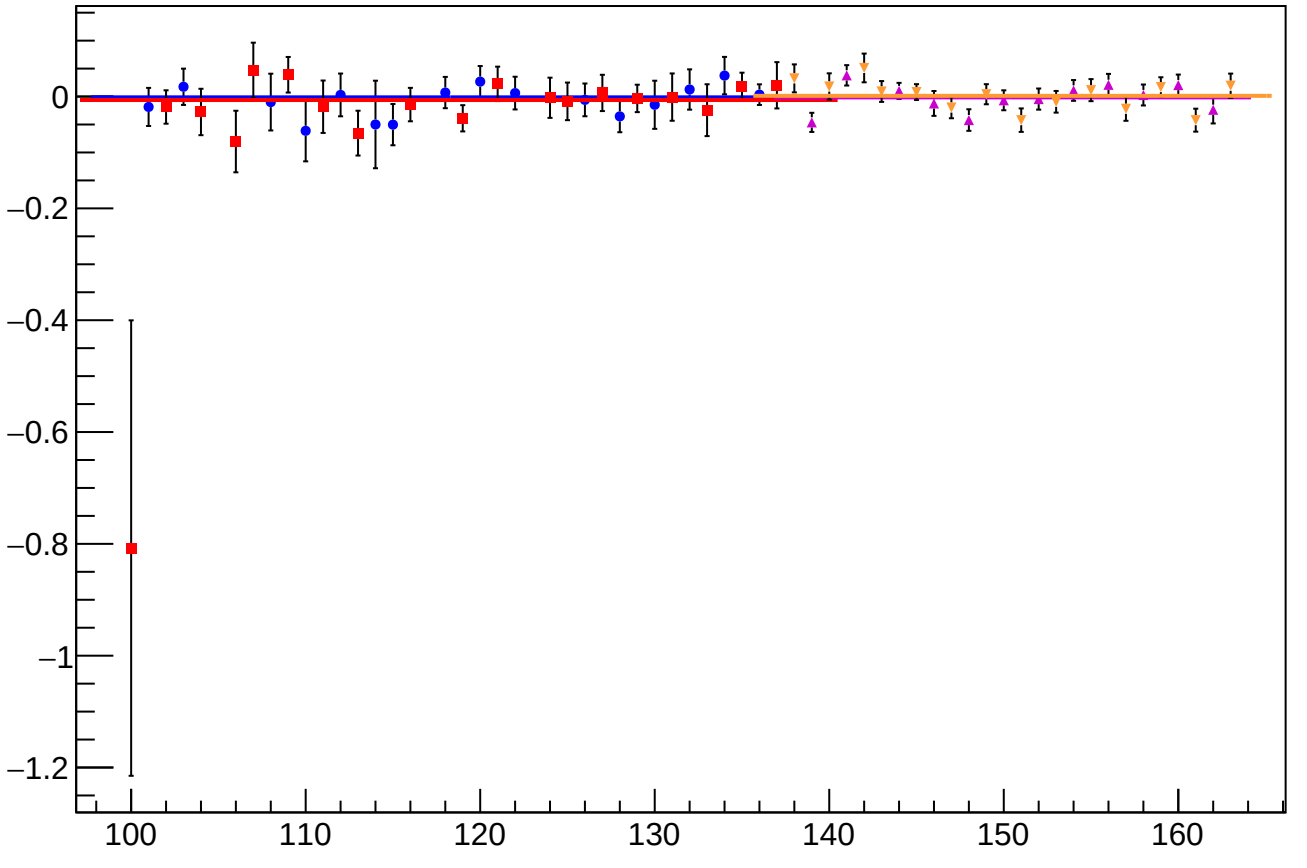
Left: 0.000+/-0.000 χ^2/NDF: 1868433.0/25

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3609713.4/27

Out: 0.000+/-0.000 χ^2/NDF:5093310.1/32

All: 0.000+/-0.000 χ^2/NDF: 8881573.7/60



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:20.9/11

Left: -0.000+/-0.004 χ^2/NDF: 40.5/25

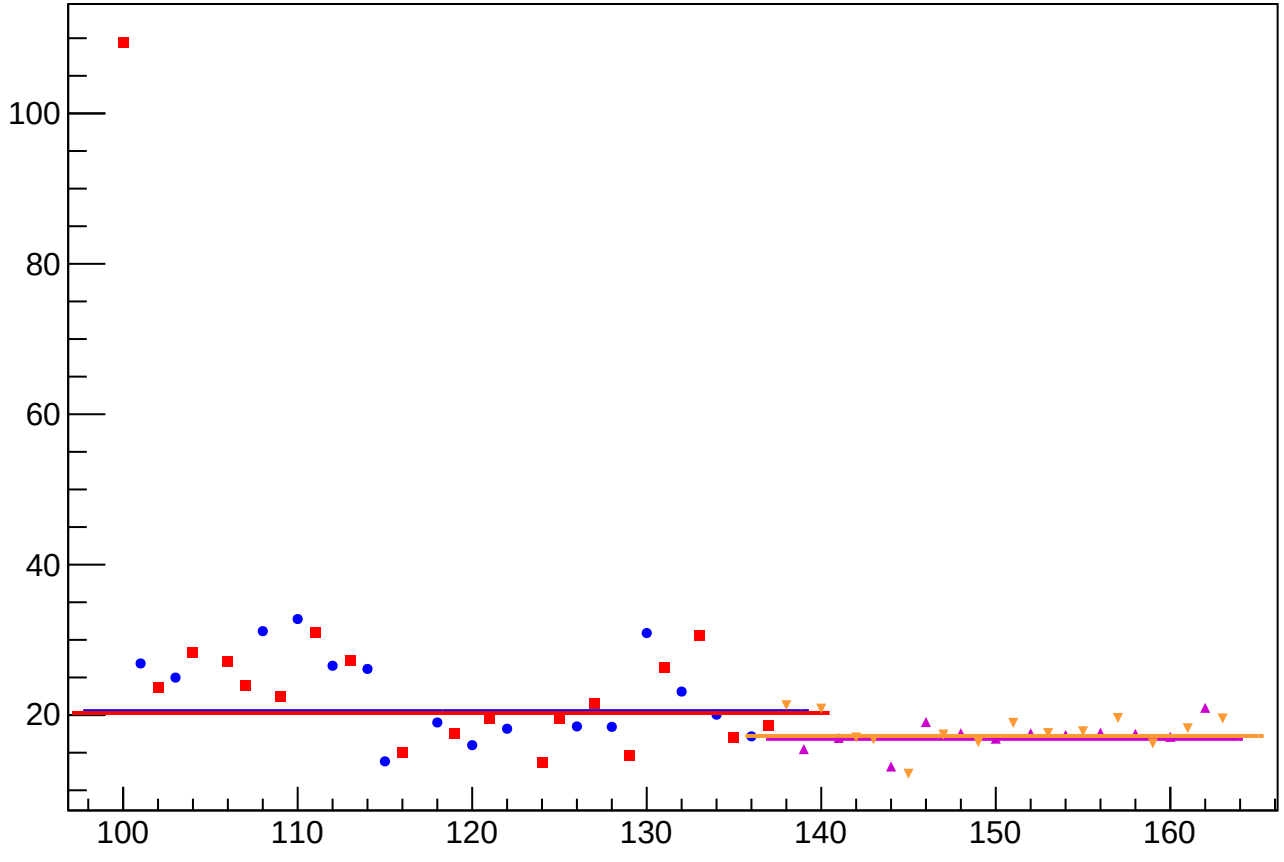
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:29.2/27

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 65.5/60

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.225+/-0.004 χ^2/NDF:434235.5/13

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.839+/-0.004 χ^2/NDF:234405.4/11

Left: 17.035+/-0.003 χ^2/NDF: 673904.5/25

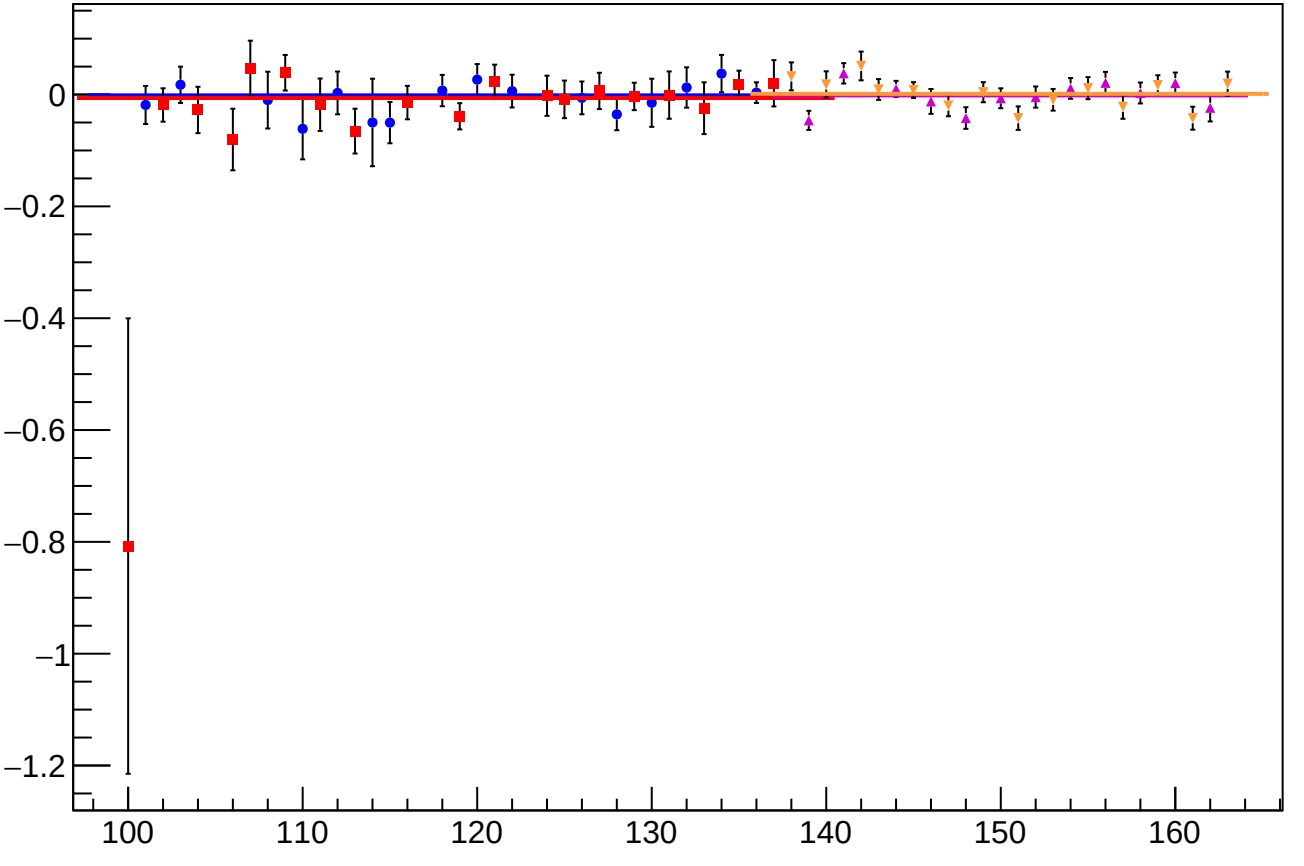
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.969+/-0.003 χ^2/NDF:1229810.5/27

Out: 18.169+/-0.003 χ^2/NDF:1506424.6/32

All: 18.071+/-0.002 χ^2/NDF: 2738278.0/60

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:20.9/11

Left: -0.000+/-0.004 χ^2/NDF: 40.5/25

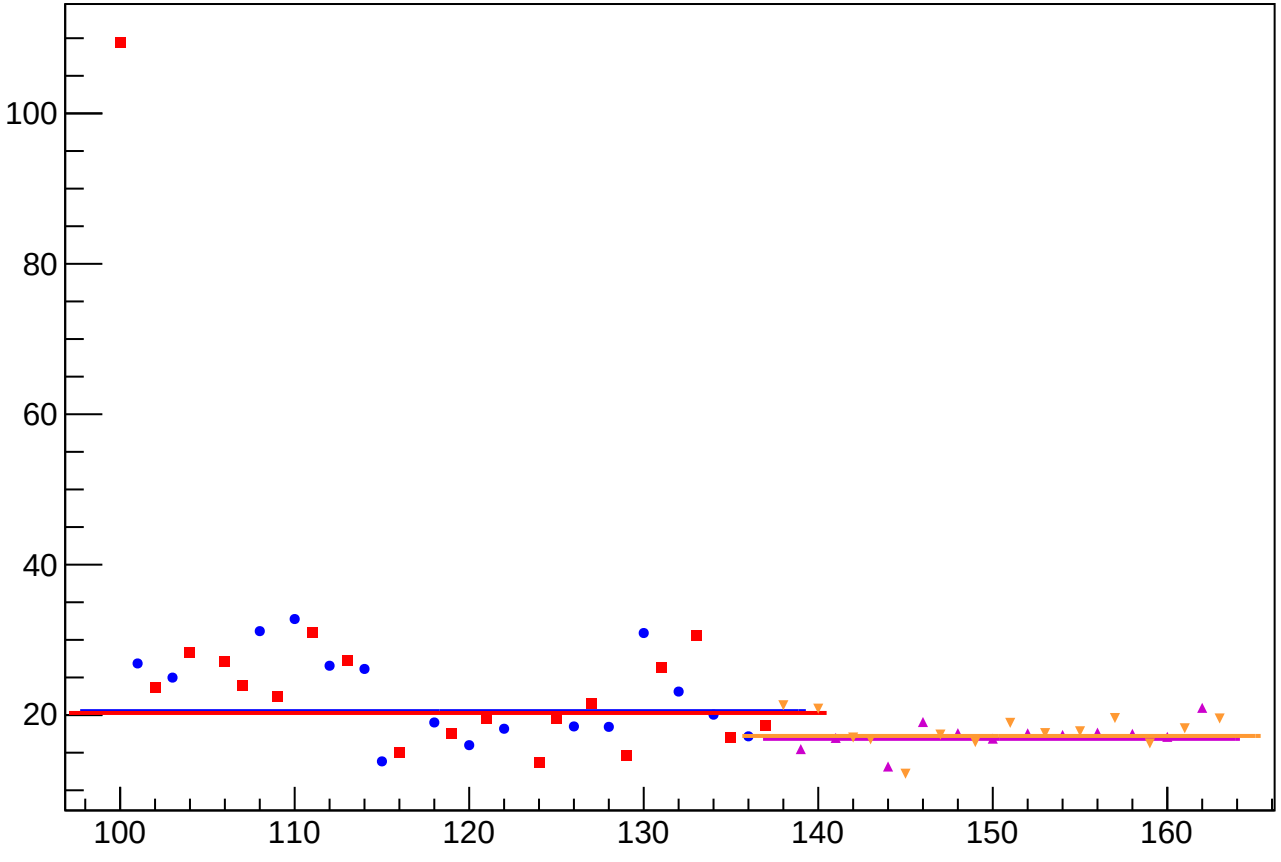
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:29.2/27

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 65.5/60

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 17.225+/-0.004 χ^2/NDF:434235.5/13

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.839+/-0.004 χ^2/NDF:234405.4/11

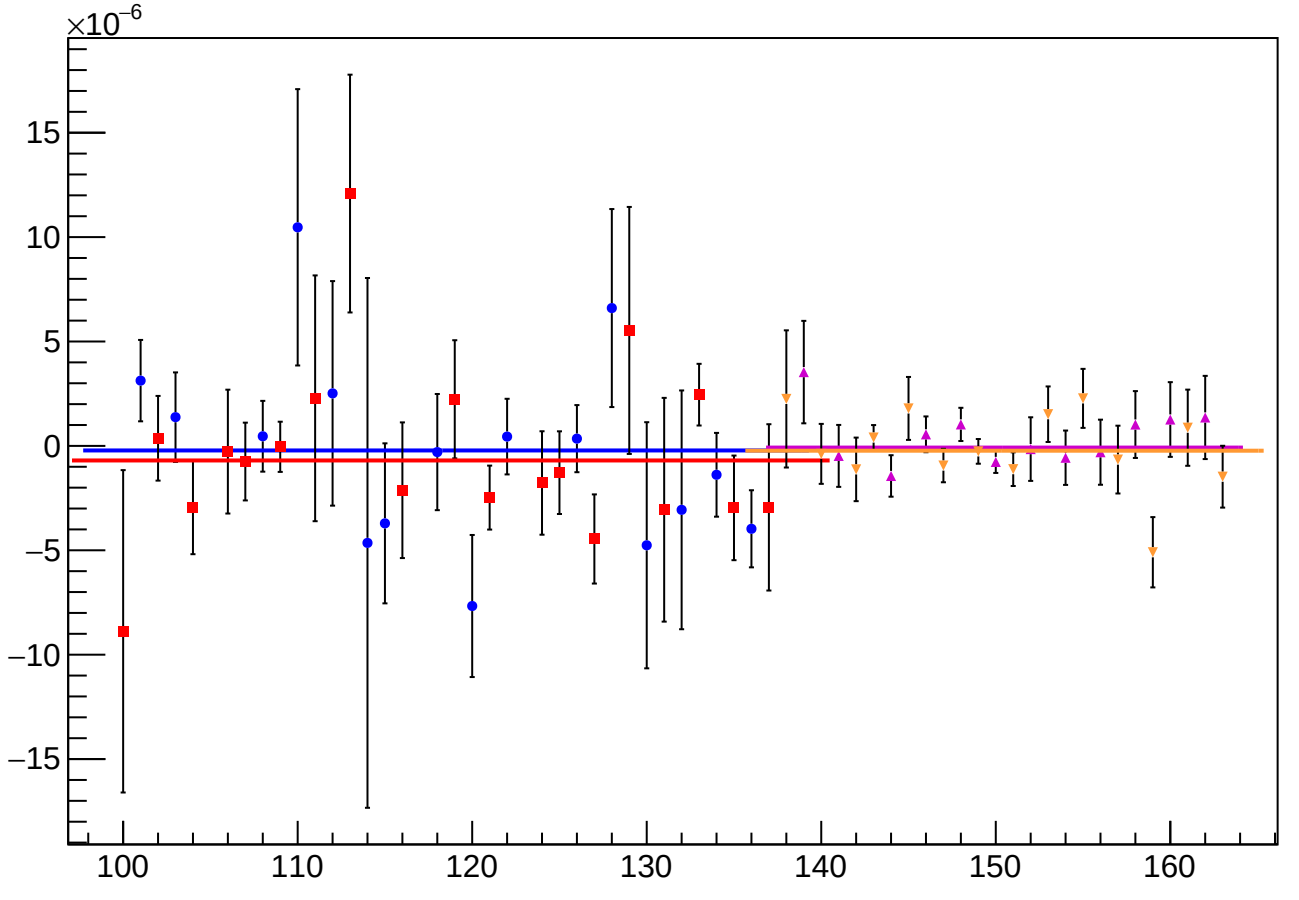
Left: 17.035+/-0.003 χ^2/NDF: 673904.5/25

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.969+/-0.003 χ^2/NDF:1229810.5/27

Out: 18.169+/-0.003 χ^2/NDF:1506424.6/32

All: 18.071+/-0.002 χ^2/NDF: 2738278.0/60



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/13

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:10.0/11

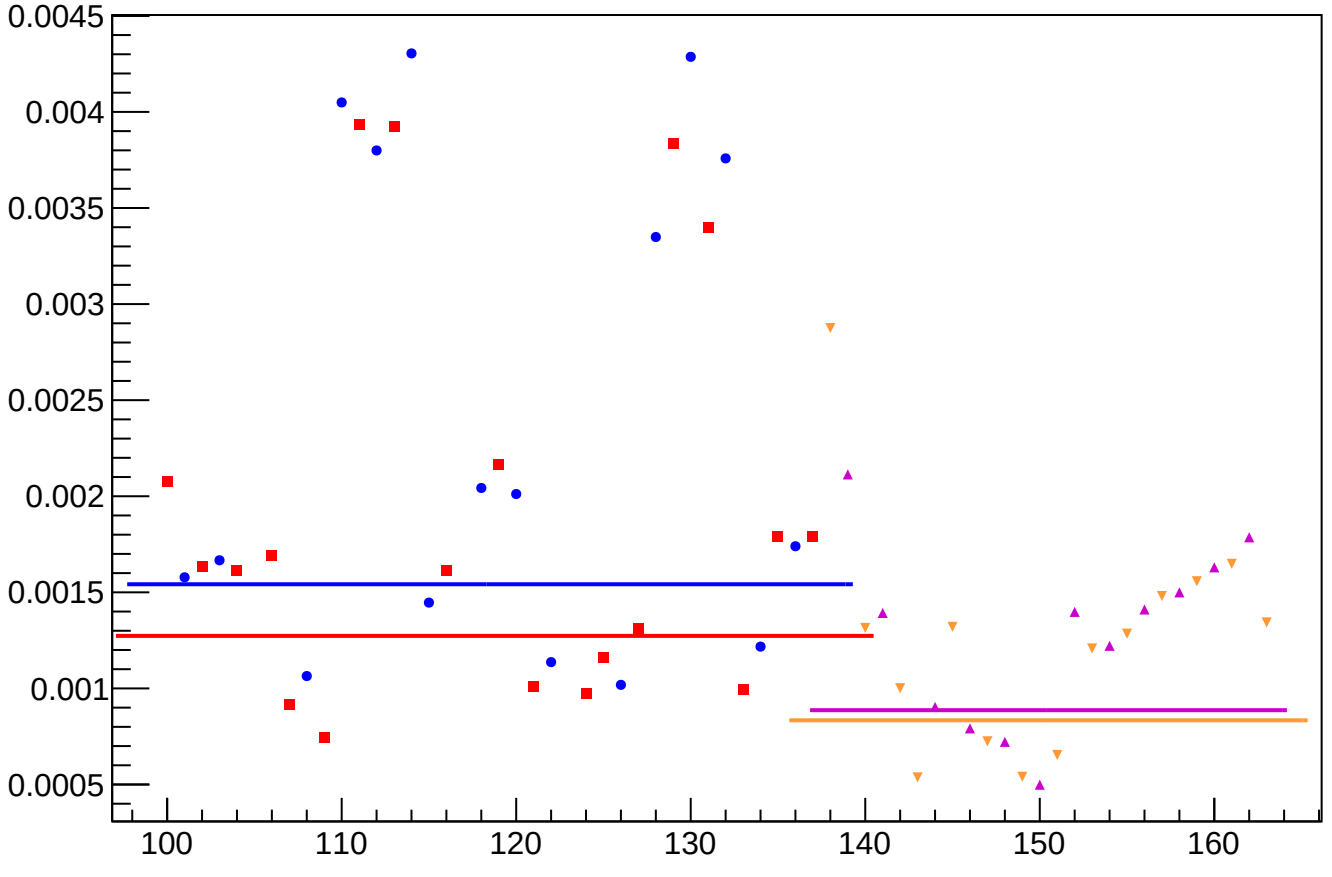
Left: -0.000+/-0.000 χ^2/NDF: 30.4/25

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:30.0/27

Out: -0.000+/-0.000 χ^2/NDF:41.8/32

All: -0.000+/-0.000 χ^2/NDF: 72.2/60



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:4039086.1/13

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3554748.5/11

Left: 0.001+/-0.000 χ^2/NDF: 7625833.7/25

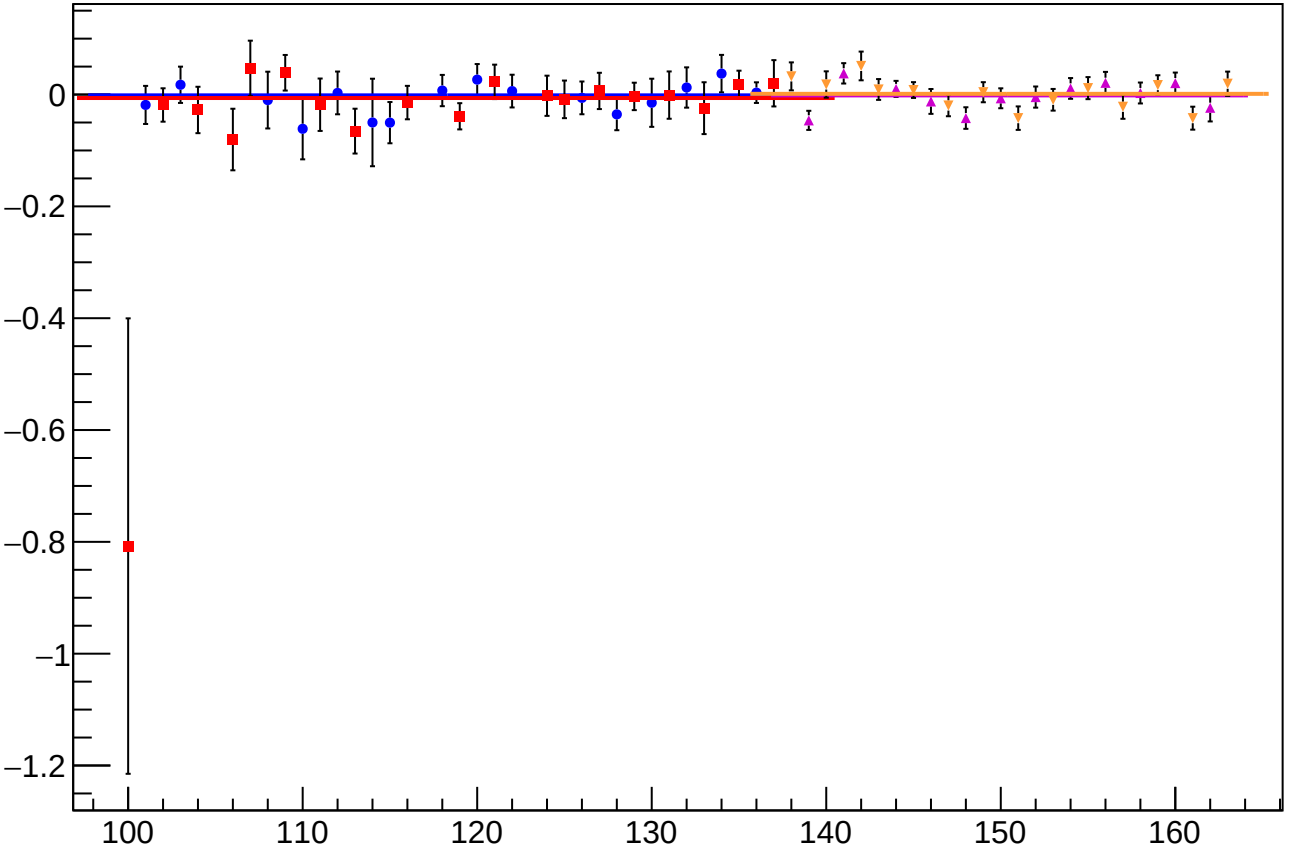
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:7715382.8/27

Out: 0.001+/-0.000 χ^2/NDF:7799596.3/32

All: 0.001+/-0.000 χ^2/NDF: 15611001.7/60

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:20.9/11

Left: -0.000+/-0.004 χ^2/NDF: 40.5/25

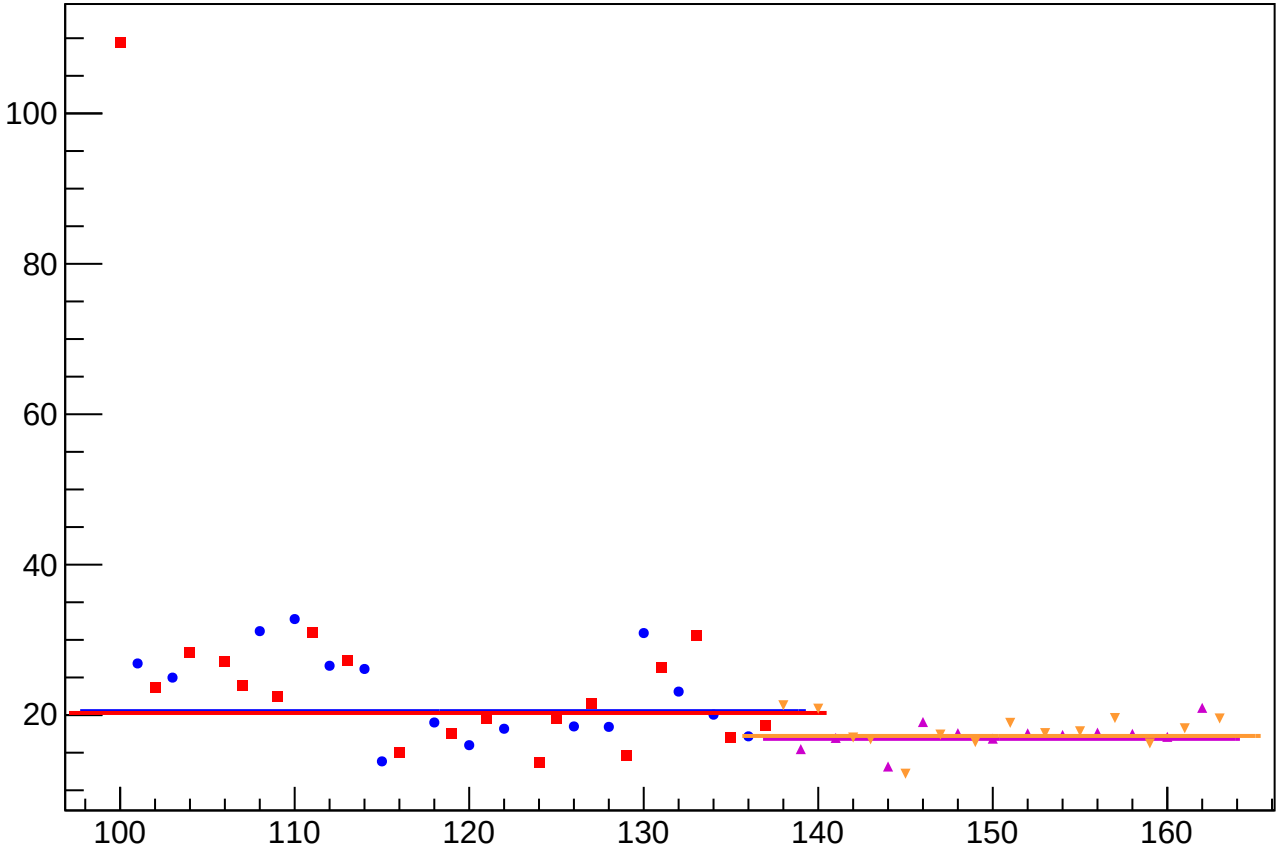
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:29.2/27

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 65.5/60

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.225+/-0.004 χ^2/NDF:434187.5/13

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.839+/-0.004 χ^2/NDF:234420.9/11

Left: 17.036+/-0.003 χ^2/NDF: 673875.7/25

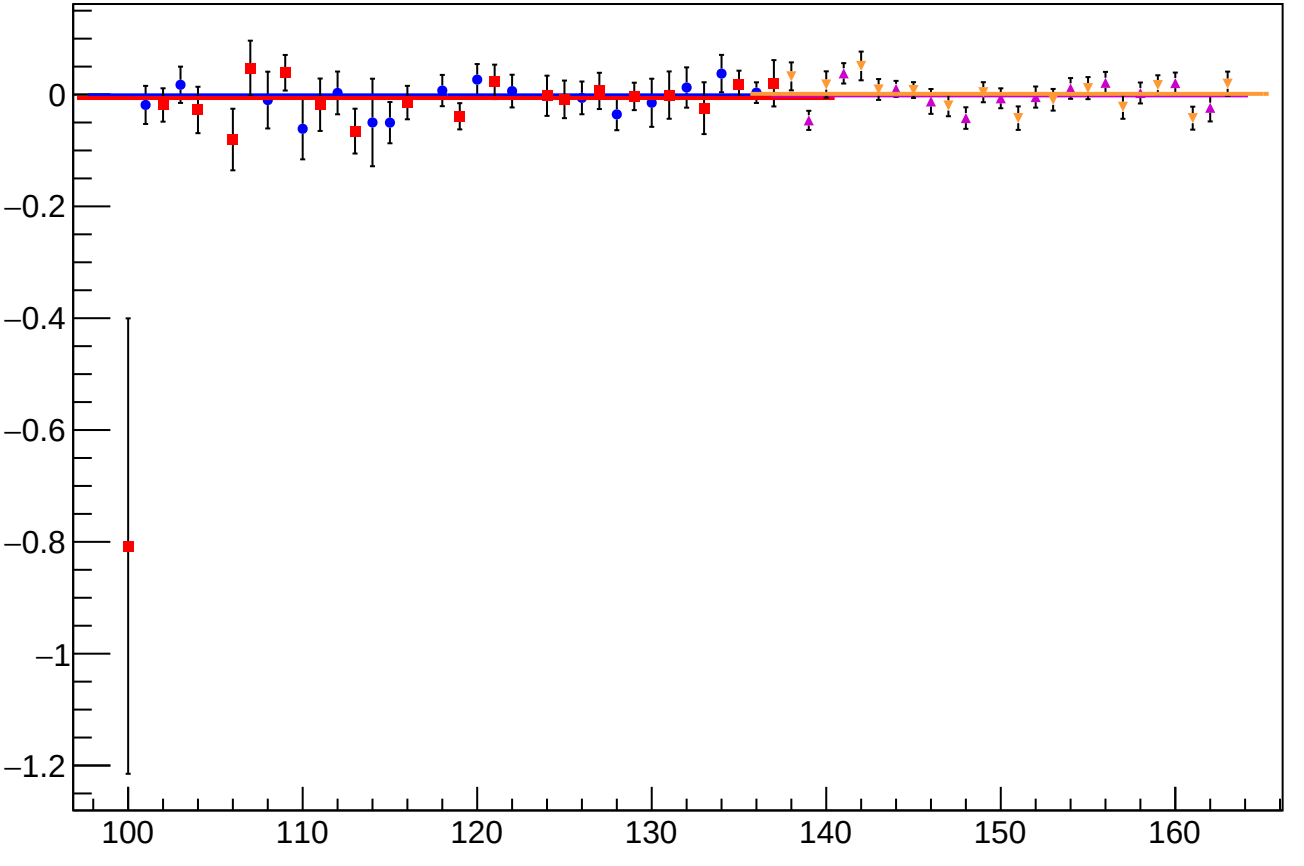
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.969+/-0.003 χ^2/NDF:1229616.2/27

Out: 18.169+/-0.003 χ^2/NDF:1506269.9/32

All: 18.070+/-0.002 χ^2/NDF: 2737930.1/60

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: 0.001+/-0.005 χ^2/NDF:19.4/13

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.002+/-0.005 χ^2/NDF:20.9/11

Left: -0.000+/-0.004 χ^2/NDF: 40.5/25

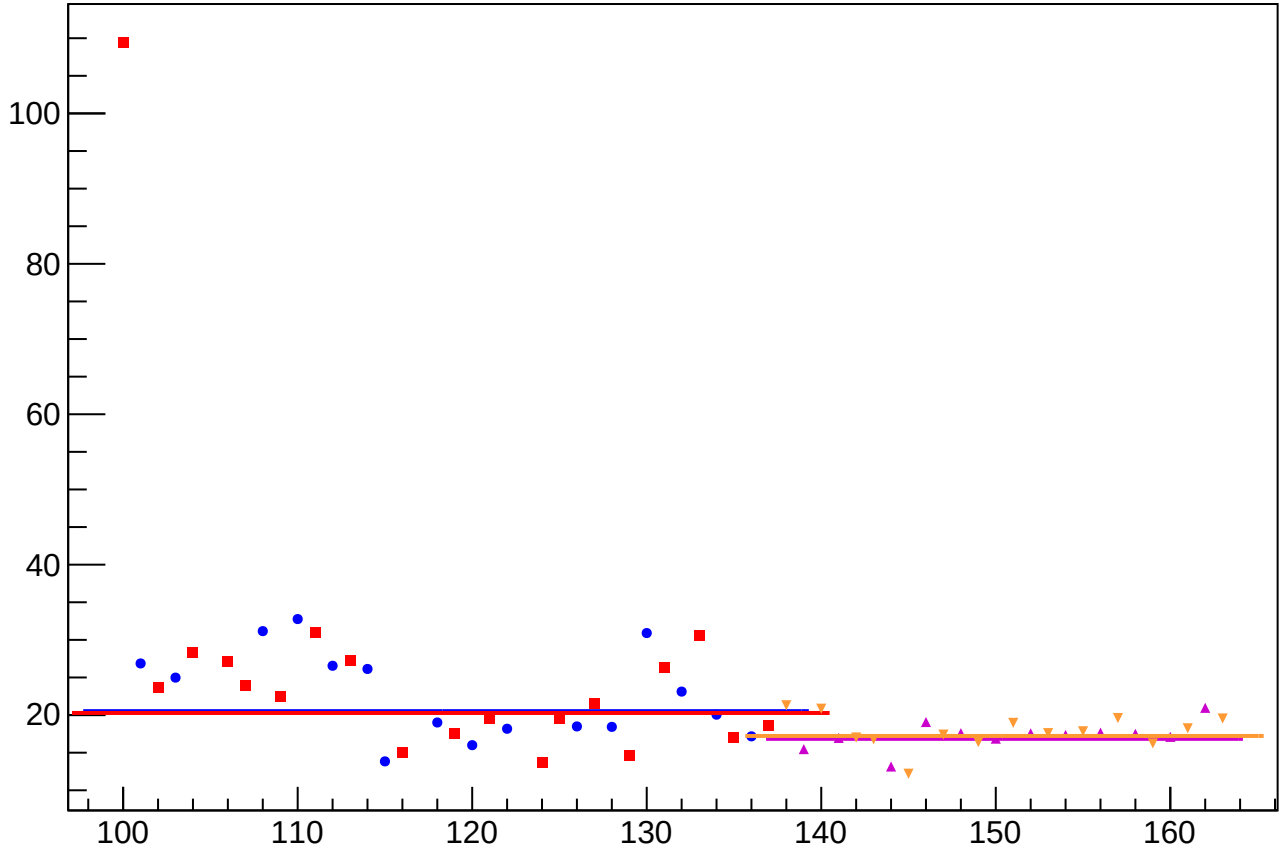
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.001+/-0.004 χ^2/NDF:29.2/27

Out: -0.001+/-0.004 χ^2/NDF:36.3/32

All: -0.001+/-0.003 χ^2/NDF: 65.5/60

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 17.225+/-0.004 χ^2/NDF:434187.5/13

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.839+/-0.004 χ^2/NDF:234420.9/11

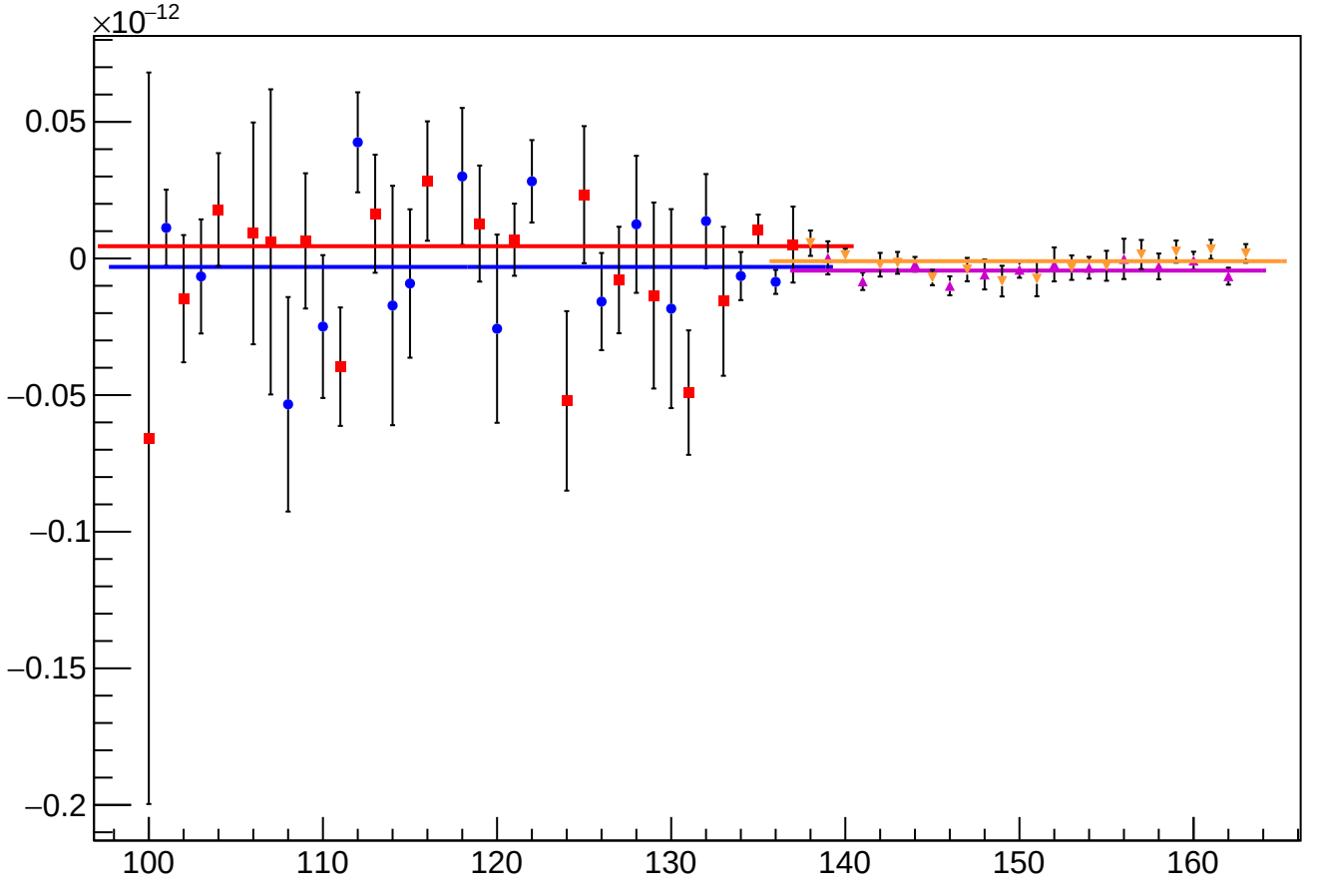
Left: 17.036+/-0.003 χ^2/NDF: 673875.7/25

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.969+/-0.003 χ^2/NDF:1229616.2/27

Out: 18.169+/-0.003 χ^2/NDF:1506269.9/32

All: 18.070+/-0.002 χ^2/NDF: 2737930.1/60



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/13

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/11

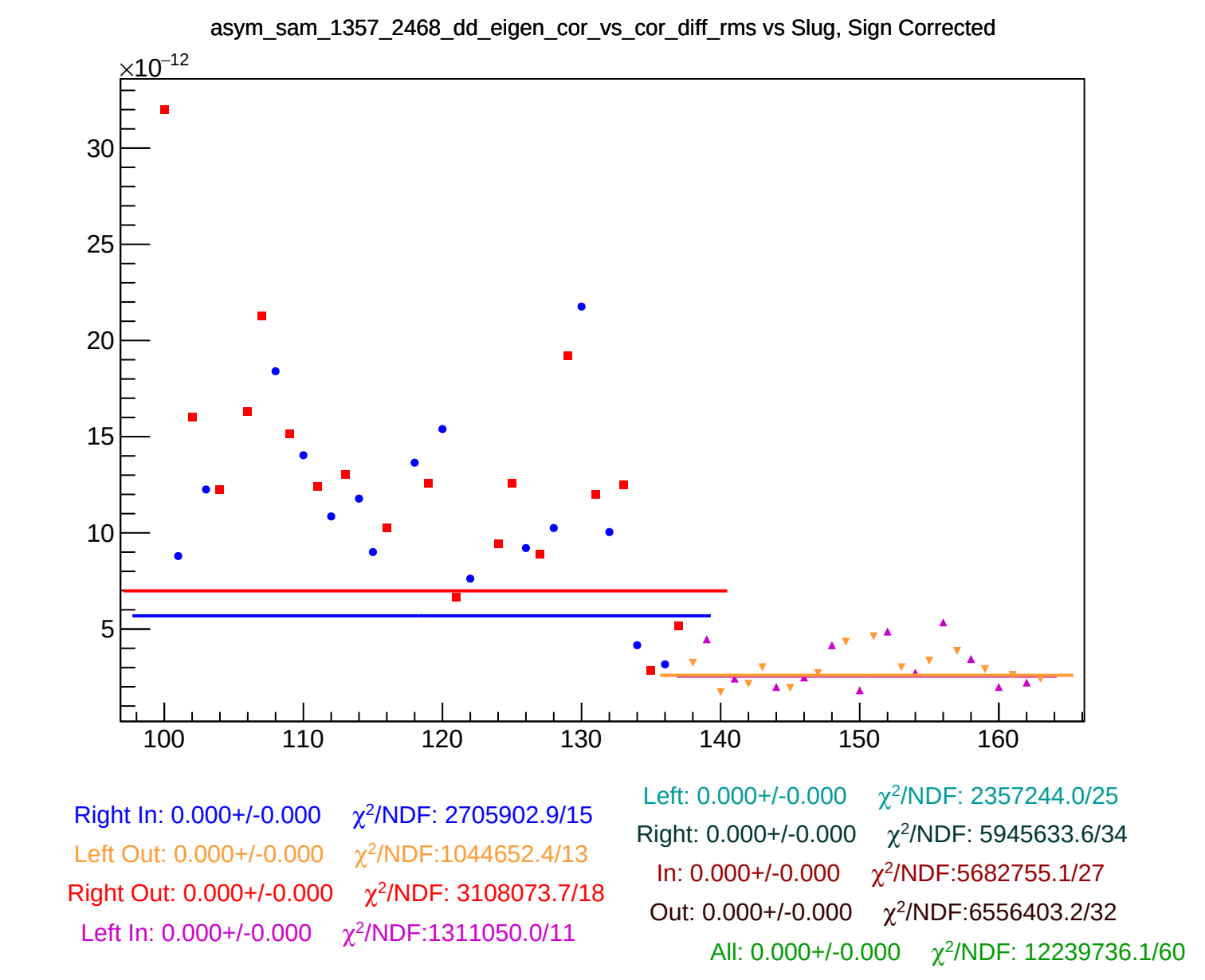
Left: -0.000+/-0.000 χ^2/NDF: 27.3/25

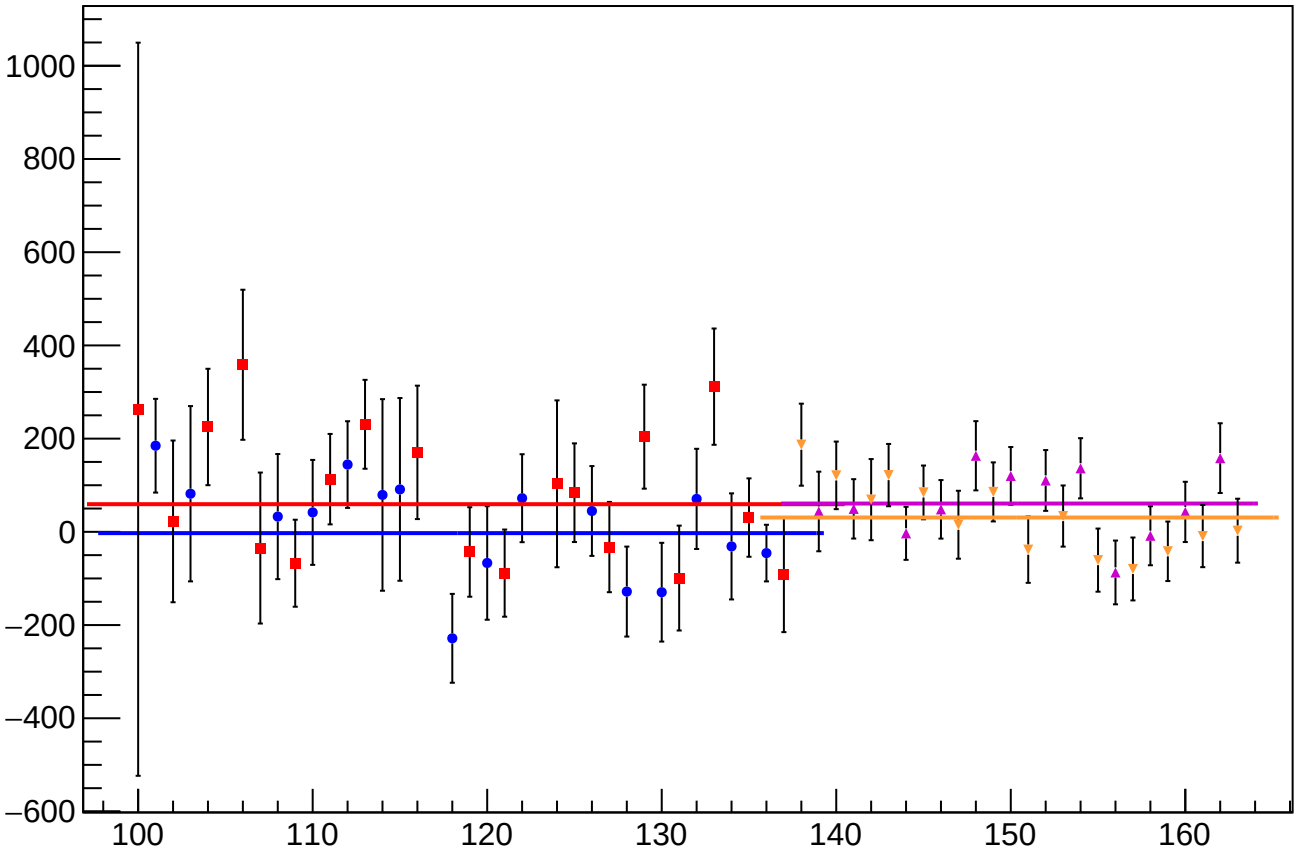
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:28.0/27

Out: -0.000+/-0.000 χ^2/NDF:34.7/32

All: -0.000+/-0.000 χ^2/NDF: 69.2/60


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1044652.4/13
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1311050.0/11
Left: 0.000+/-0.000 χ²/NDF: 2357244.0/25
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:5682755.1/27
Out: 0.000+/-0.000 χ²/NDF:6556403.2/32
All: 0.000+/-0.000 χ²/NDF: 12239736.1/60



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.750+/-18.373 χ^2/NDF:15.7/13

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 60.732+/-19.092 χ^2/NDF:13.8/11

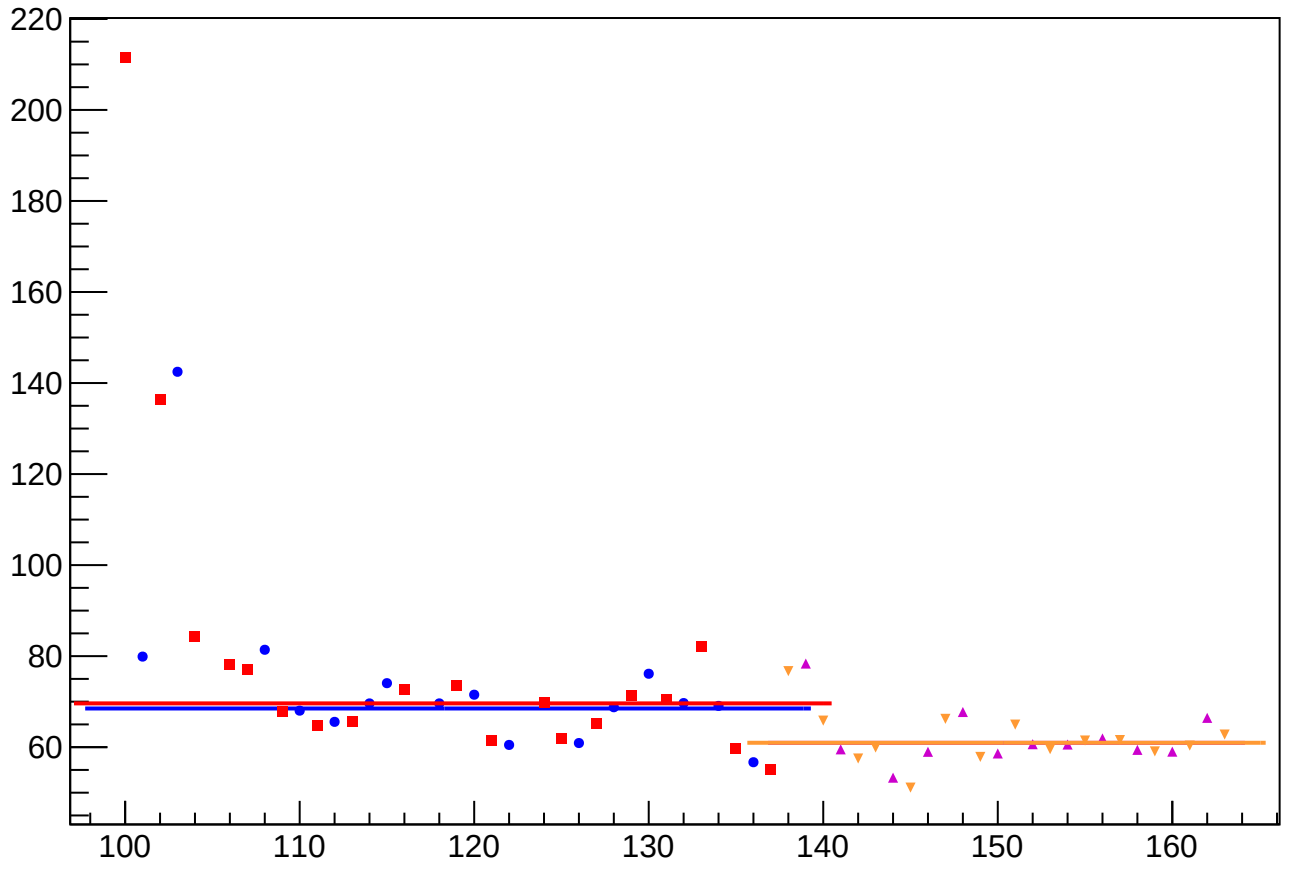
Left: 45.165+/-13.238 χ^2/NDF: 30.7/25

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 38.723+/-15.433 χ^2/NDF:35.3/27

Out: 40.090+/-15.077 χ^2/NDF:42.2/32

All: 39.422+/-10.785 χ^2/NDF: 77.5/60



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.945+/-0.014 χ^2/NDF:156013.0/11

Left: 60.957+/-0.009 χ^2/NDF: 316928.4/25

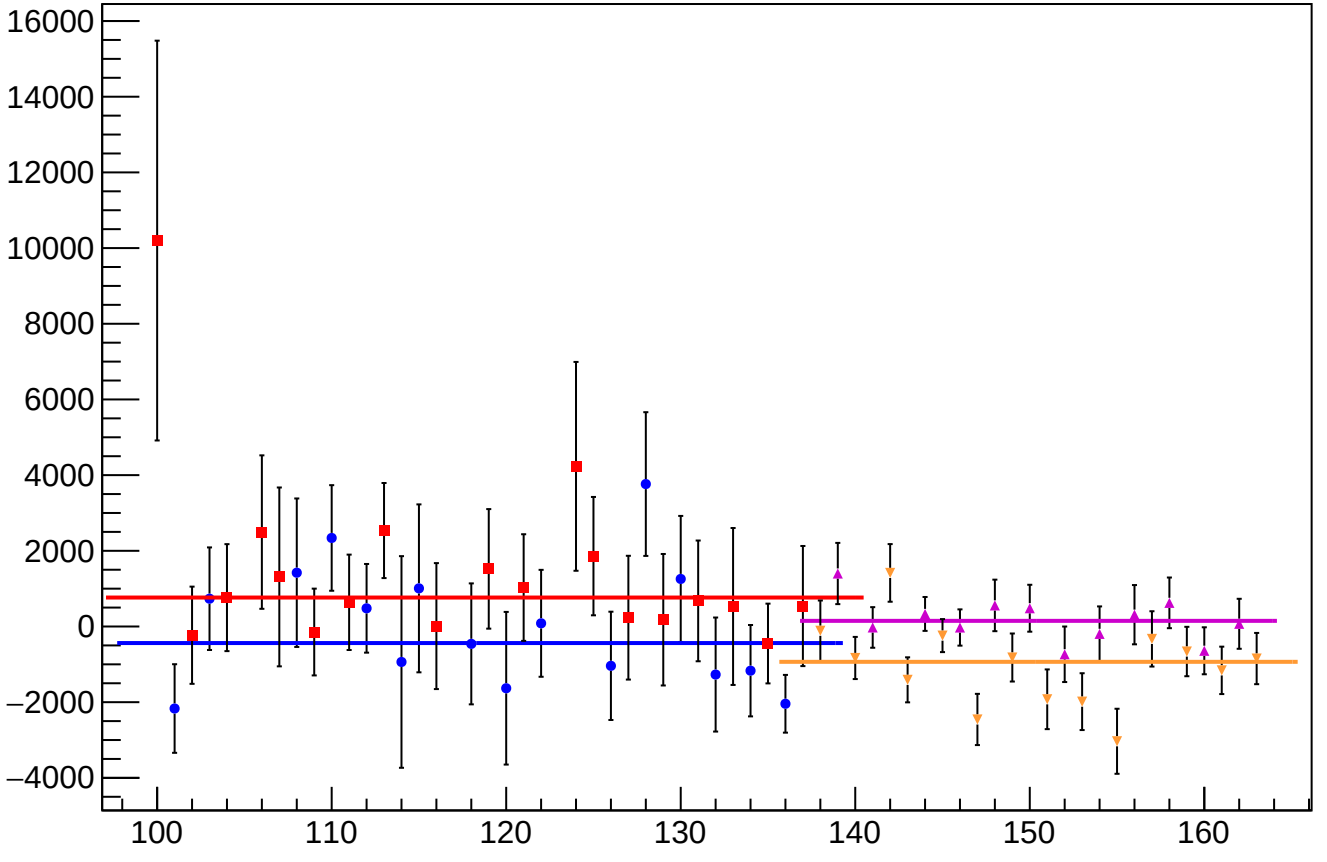
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 63.563+/-0.011 χ^2/NDF:736395.0/27

Out: 63.793+/-0.011 χ^2/NDF:826167.3/32

All: 63.681+/-0.008 χ^2/NDF: 1562790.3/60

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -933.510+/-174.239 χ^2/NDF:29.4/13

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 149.194+/-177.858 χ^2/NDF:7.3/11

Left: -403.283+/-124.465 χ^2/NDF: 55.6/25

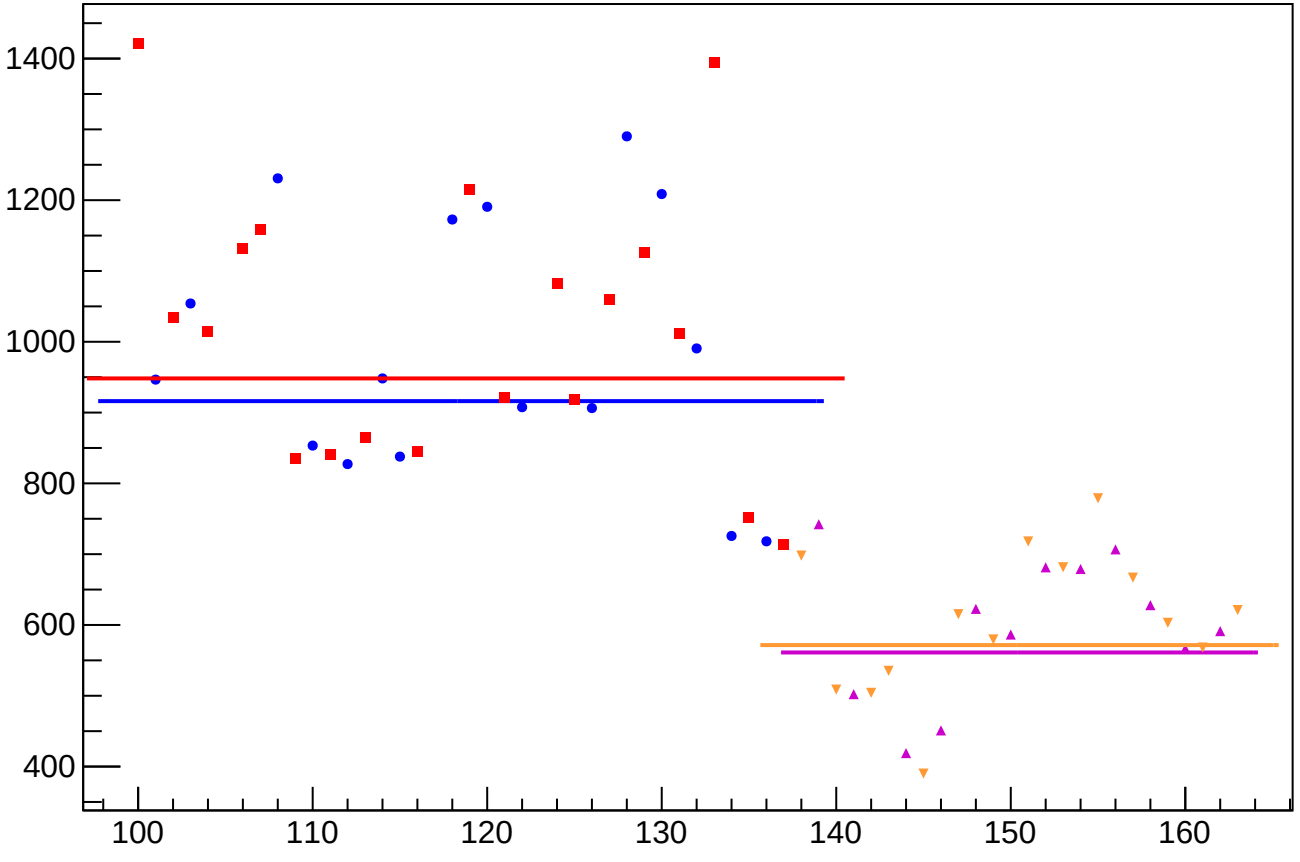
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 28.182+/-158.455 χ^2/NDF:30.1/27

Out: -600.772+/-156.247 χ^2/NDF:59.3/32

All: -290.708+/-111.256 χ^2/NDF: 97.4/60

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: 571.578+/-0.123 χ^2/NDF:730986.0/13

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 561.153+/-0.126 χ^2/NDF:650956.0/11

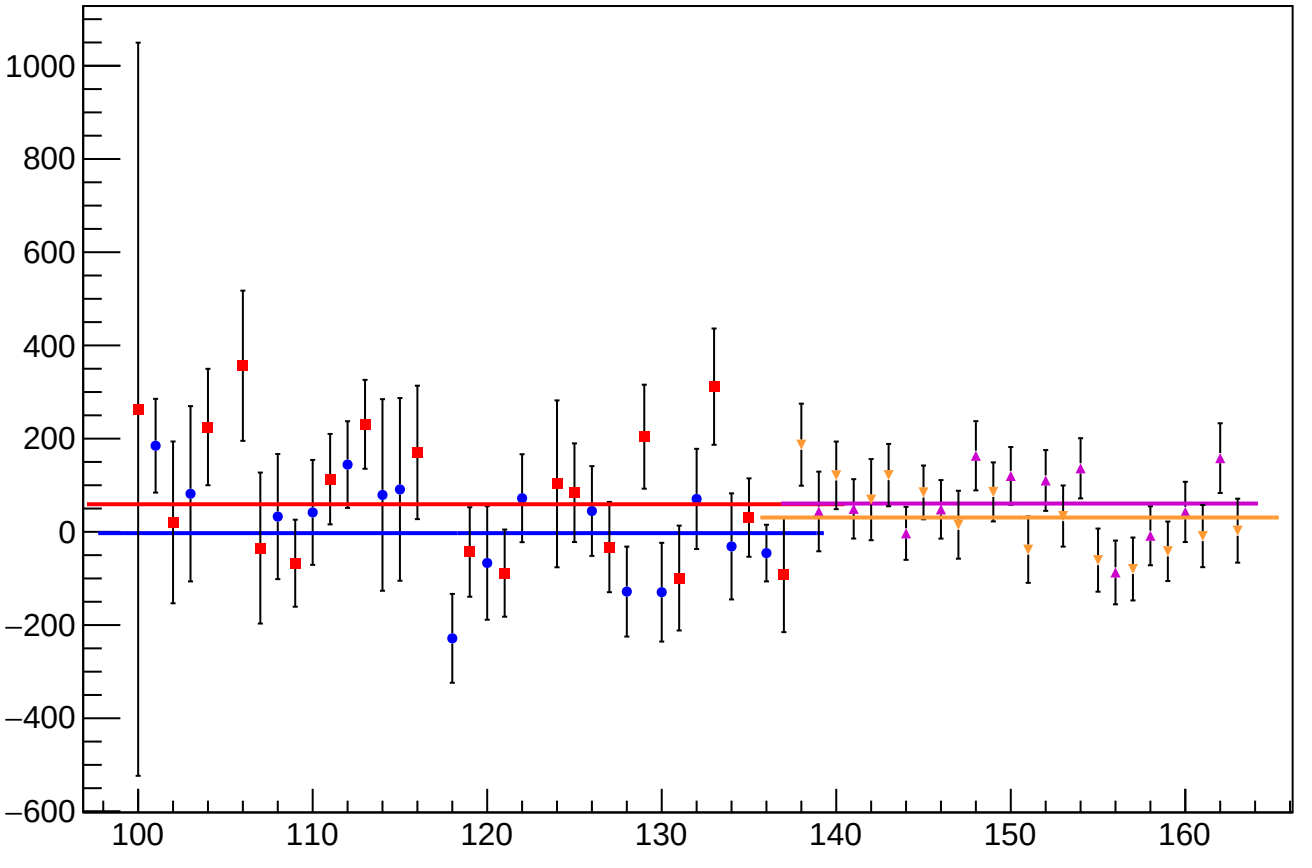
Left: 566.473+/-0.088 χ^2/NDF: 1385448.4/25

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 634.387+/-0.112 χ^2/NDF:2803864.8/27

Out: 645.351+/-0.110 χ^2/NDF:2976704.0/32

All: 639.946+/-0.079 χ^2/NDF: 5785423.5/60



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.732+/-19.092 χ^2/NDF:13.8/11

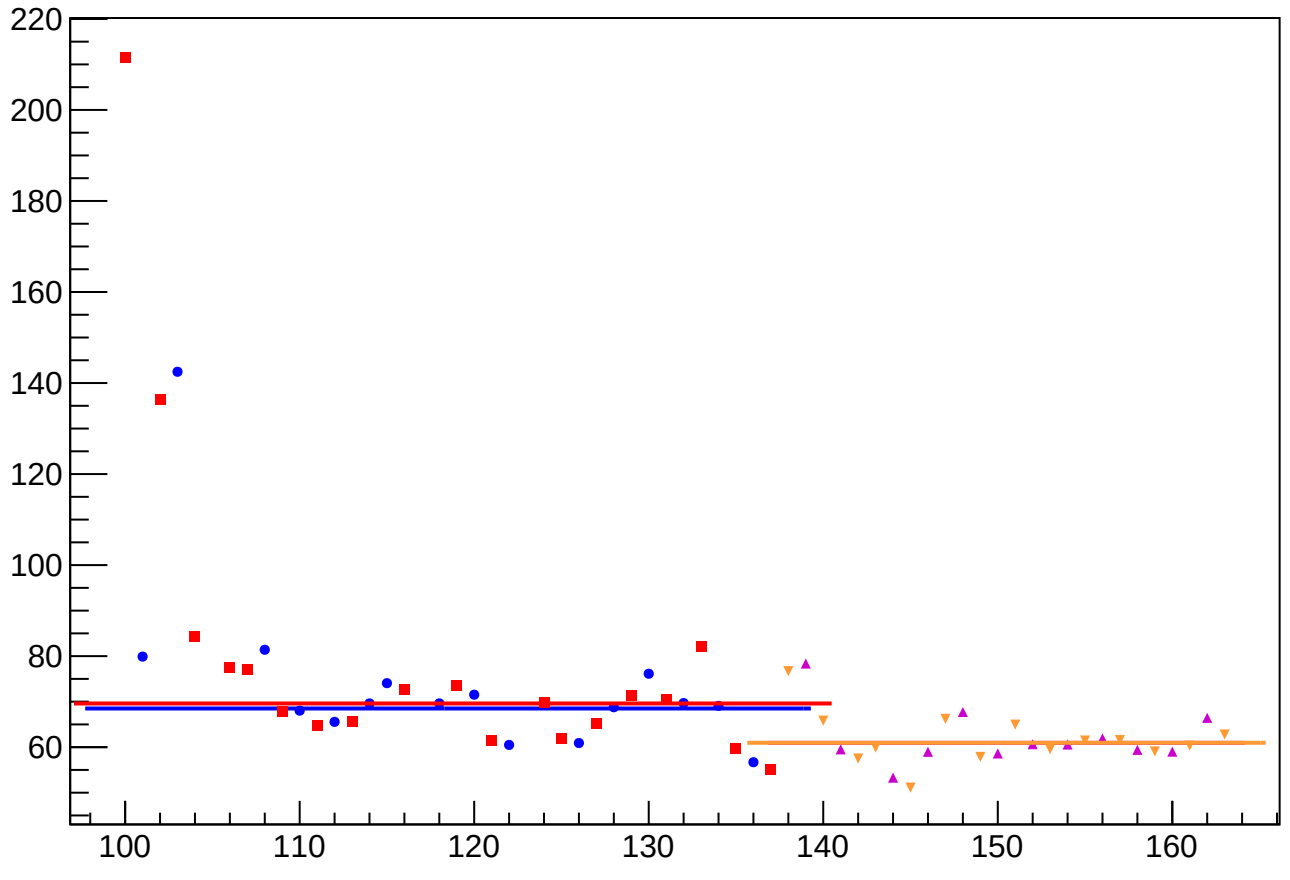
Left: 45.167+/-13.238 χ^2/NDF: 30.7/25

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 38.721+/-15.433 χ^2/NDF:35.3/27

Out: 40.052+/-15.077 χ^2/NDF:42.1/32

All: 39.402+/-10.785 χ^2/NDF: 77.4/60



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.945+/-0.014 χ^2/NDF:156013.0/11

Left: 60.957+/-0.009 χ^2/NDF: 316928.4/25

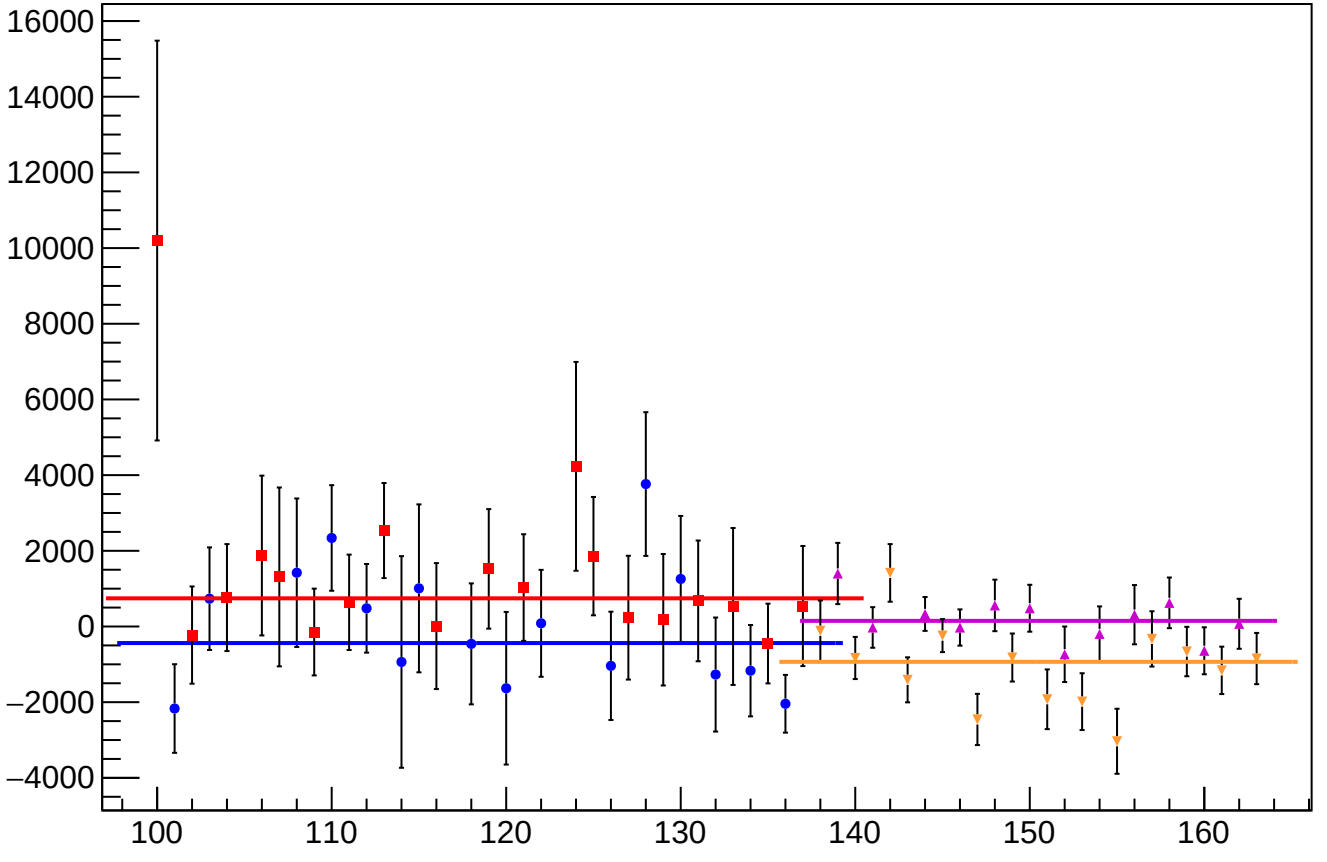
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.563+/-0.011 χ^2/NDF:736398.0/27

Out: 63.787+/-0.011 χ^2/NDF:824900.4/32

All: 63.678+/-0.008 χ^2/NDF: 1561513.8/60

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -933.505+/-174.239 χ^2/NDF:29.4/13

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 149.196+/-177.858 χ^2/NDF:7.3/11

Left: -403.280+/-124.465 χ^2/NDF: 55.6/25

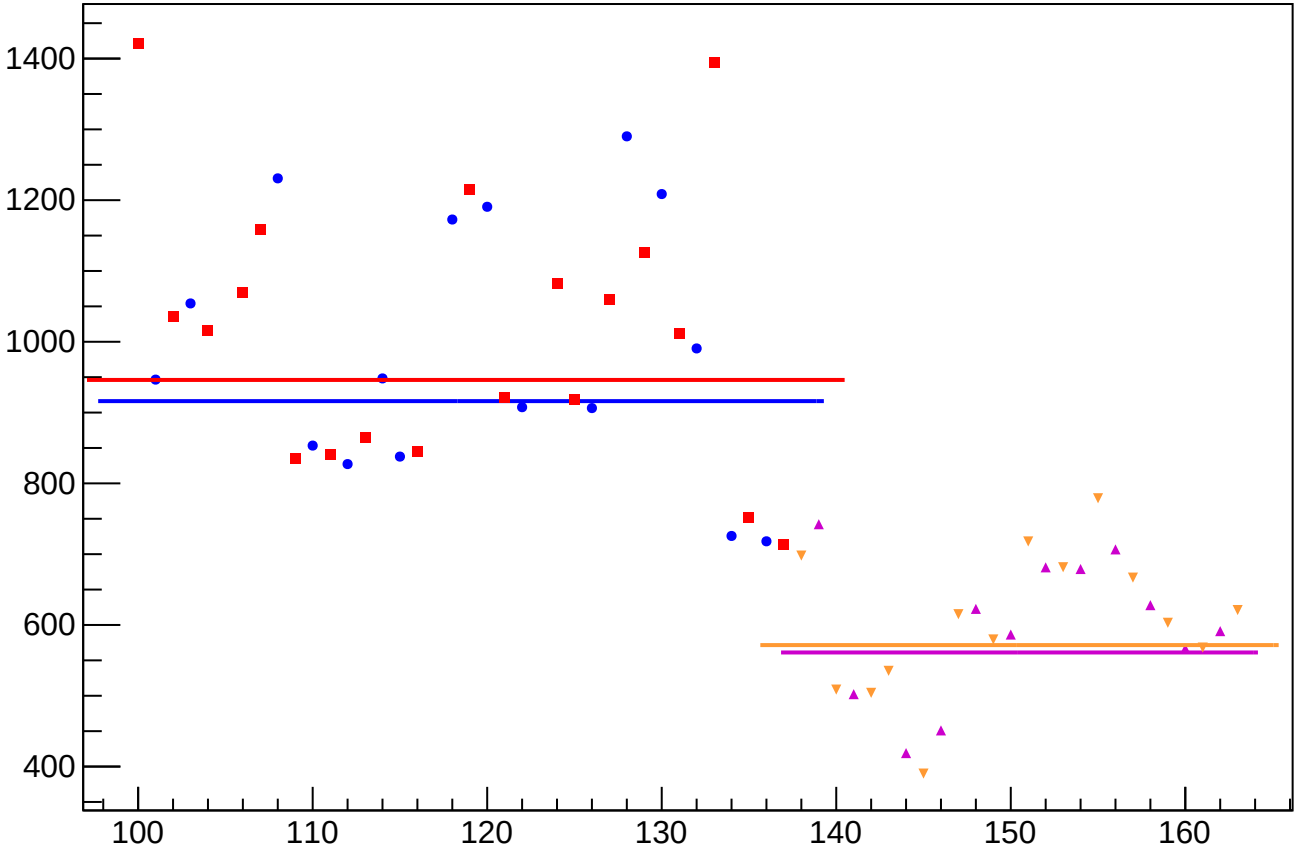
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 28.190+/-158.455 χ^2/NDF:30.1/27

Out: -605.525+/-156.285 χ^2/NDF:58.4/32

All: -293.037+/-111.269 χ^2/NDF: 96.6/60

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: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 561.153+/-0.126 χ^2/NDF:650953.8/11

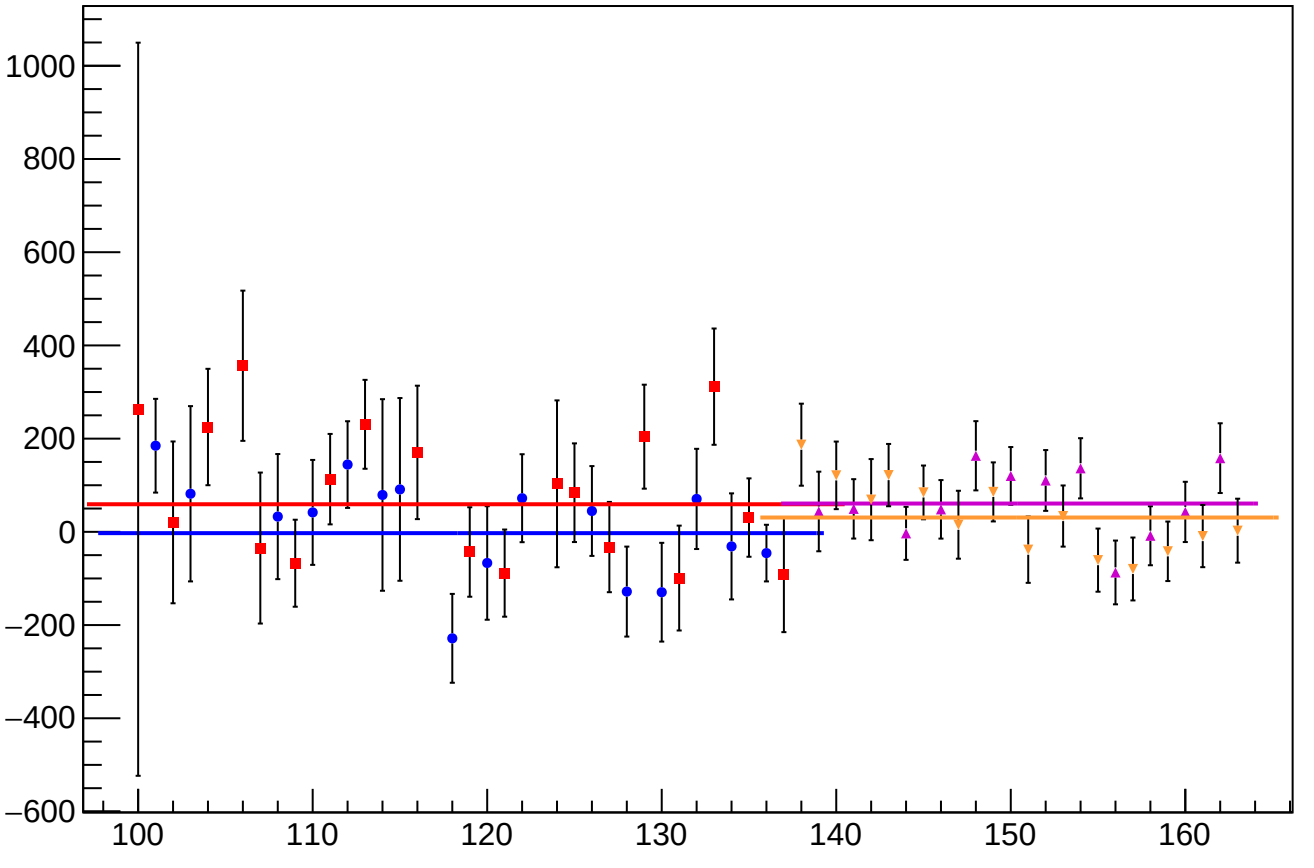
Left: 566.473+/-0.088 χ^2/NDF: 1385449.1/25

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 634.387+/-0.112 χ^2/NDF:2803906.4/27

Out: 644.785+/-0.111 χ^2/NDF:2942572.1/32

All: 639.658+/-0.079 χ^2/NDF: 5750844.1/60



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 30.753+/-18.373 χ^2/NDF:15.7/13

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.732+/-19.092 χ^2/NDF:13.8/11

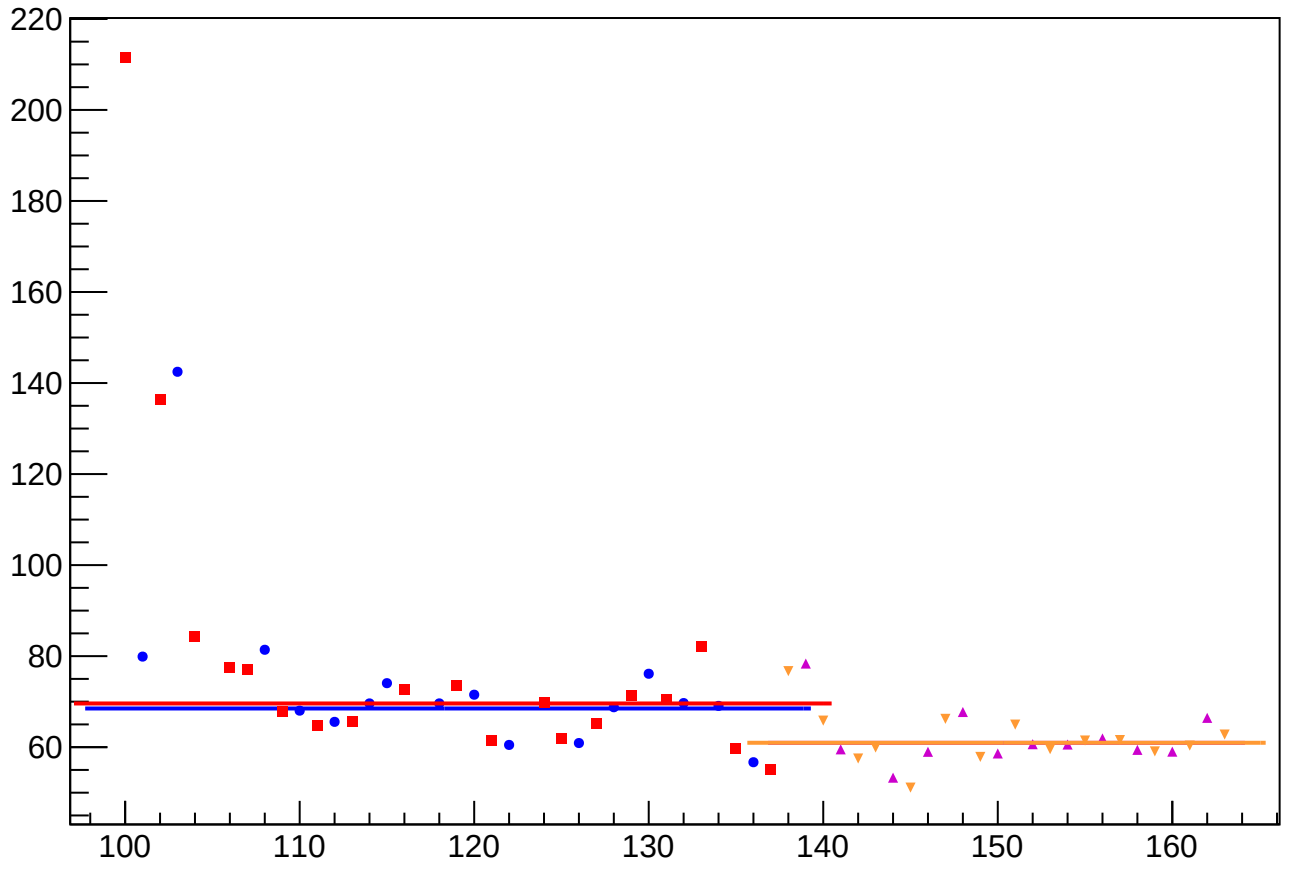
Left: 45.167+/-13.238 χ^2/NDF: 30.7/25

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 38.721+/-15.433 χ^2/NDF:35.3/27

Out: 40.052+/-15.077 χ^2/NDF:42.1/32

All: 39.402+/-10.785 χ^2/NDF: 77.4/60



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.968+/-0.013 χ^2/NDF:160913.9/13

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.945+/-0.014 χ^2/NDF:156013.0/11

Left: 60.957+/-0.009 χ^2/NDF: 316928.4/25

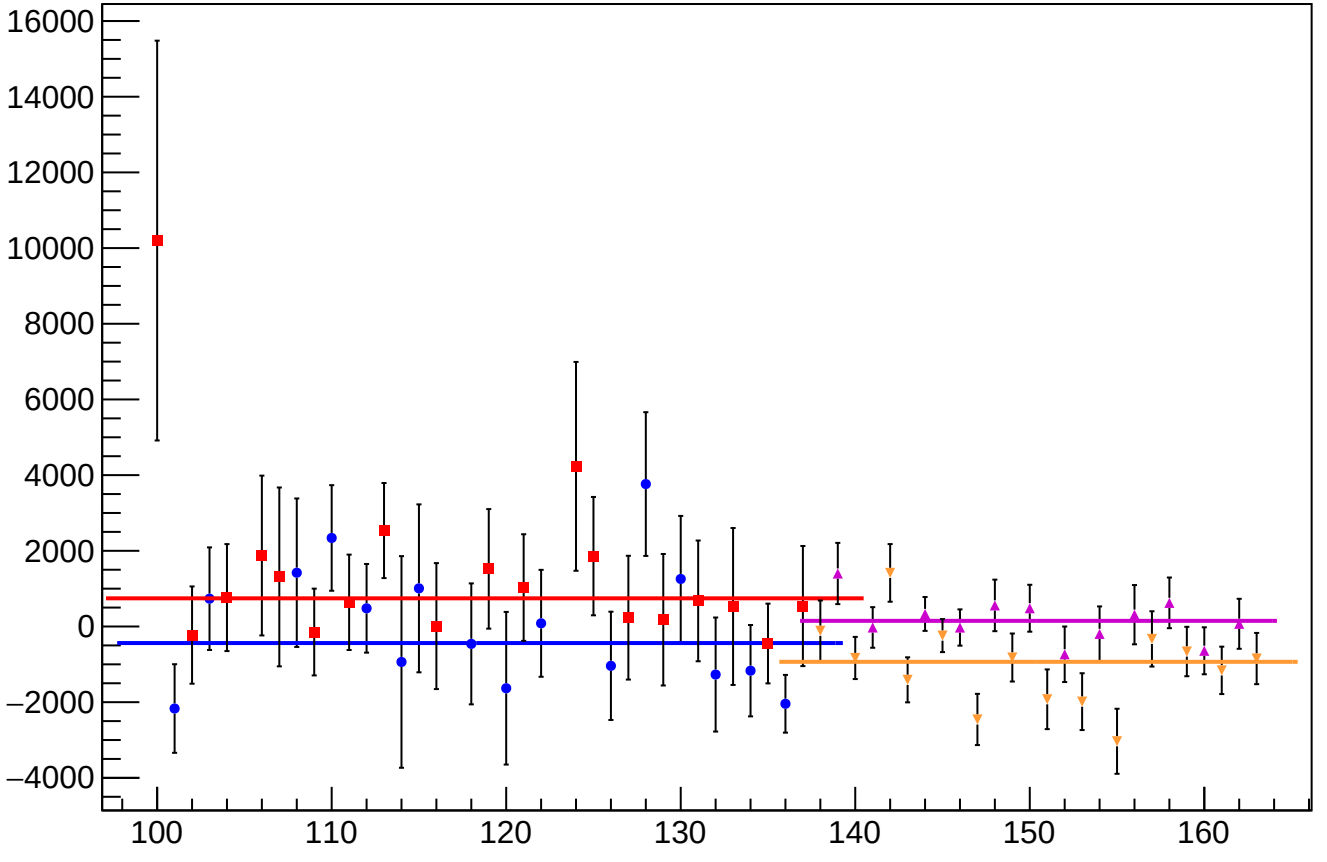
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 63.563+/-0.011 χ^2/NDF:736398.0/27

Out: 63.787+/-0.011 χ^2/NDF:824900.4/32

All: 63.678+/-0.008 χ^2/NDF: 1561513.8/60

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -933.505+/-174.239 χ^2/NDF:29.4/13

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 149.196+/-177.858 χ^2/NDF:7.3/11

Left: -403.280+/-124.465 χ^2/NDF: 55.6/25

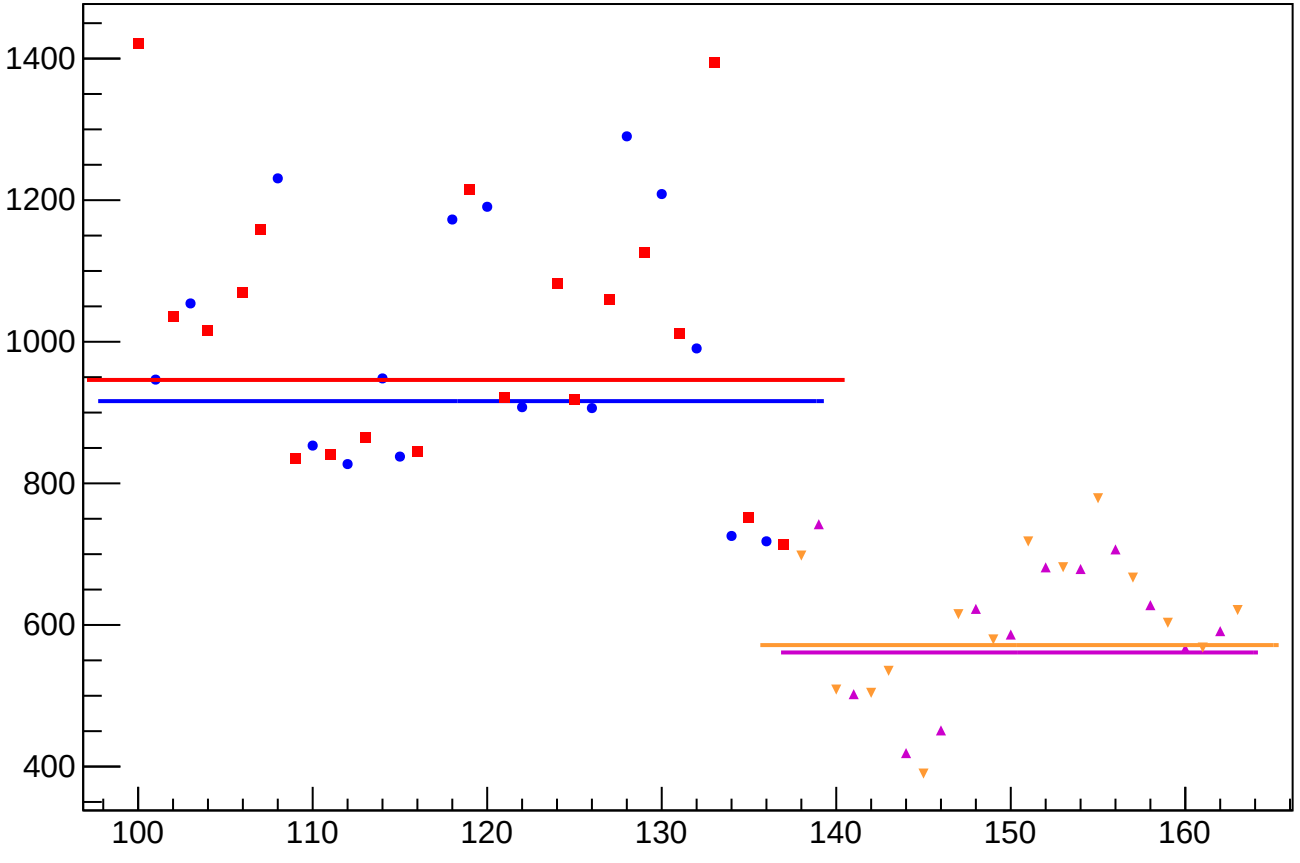
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 28.190+/-158.455 χ^2/NDF:30.1/27

Out: -605.525+/-156.285 χ^2/NDF:58.4/32

All: -293.037+/-111.269 χ^2/NDF: 96.6/60

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: 571.578+/-0.123 χ^2/NDF:730989.2/13

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 561.153+/-0.126 χ^2/NDF:650953.8/11

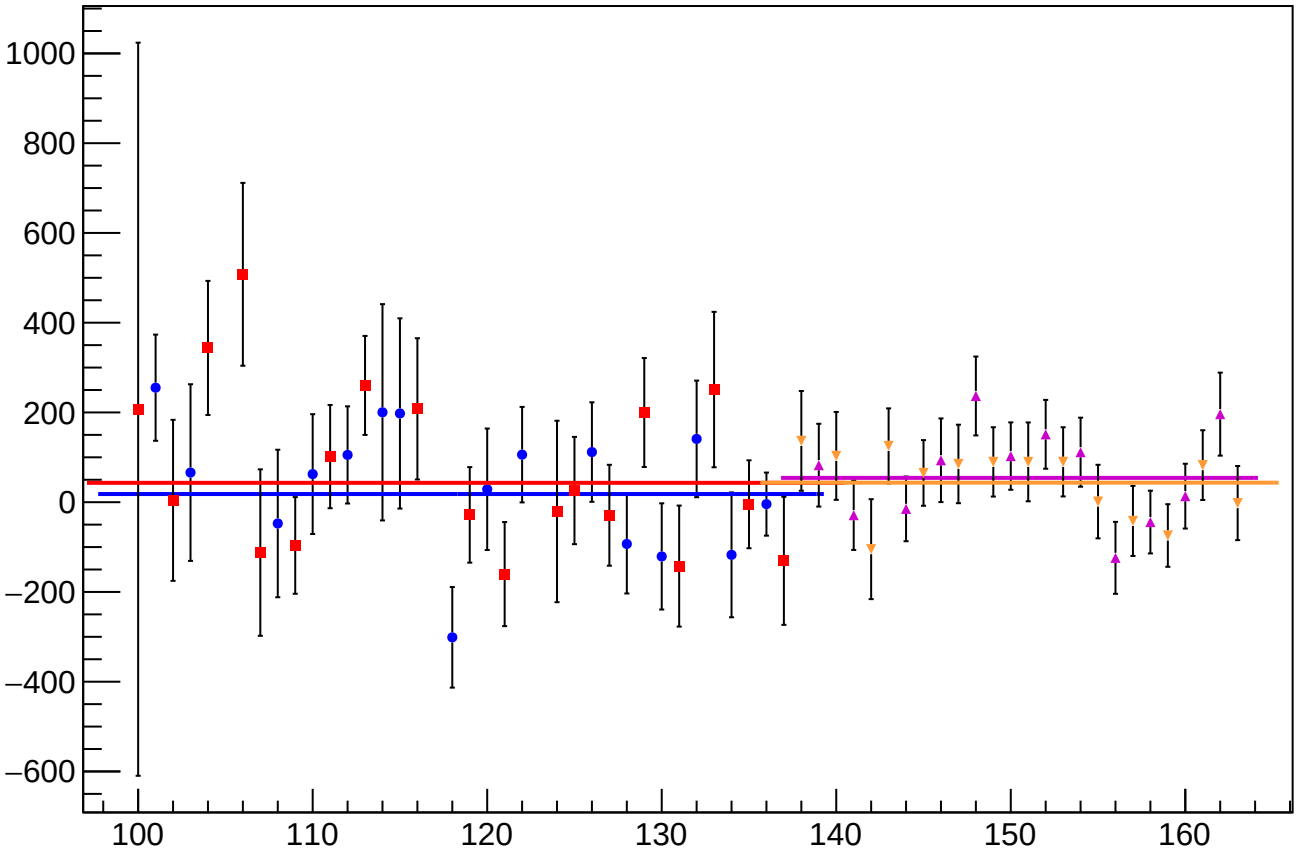
Left: 566.473+/-0.088 χ^2/NDF: 1385449.1/25

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 634.387+/-0.112 χ^2/NDF:2803906.4/27

Out: 644.785+/-0.111 χ^2/NDF:2942572.1/32

All: 639.658+/-0.079 χ^2/NDF: 5750844.1/60



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.492+/-22.237 χ^2/NDF:10.0/13

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 54.201+/-22.900 χ^2/NDF:18.8/11

Left: 48.689+/-15.953 χ^2/NDF: 28.9/25

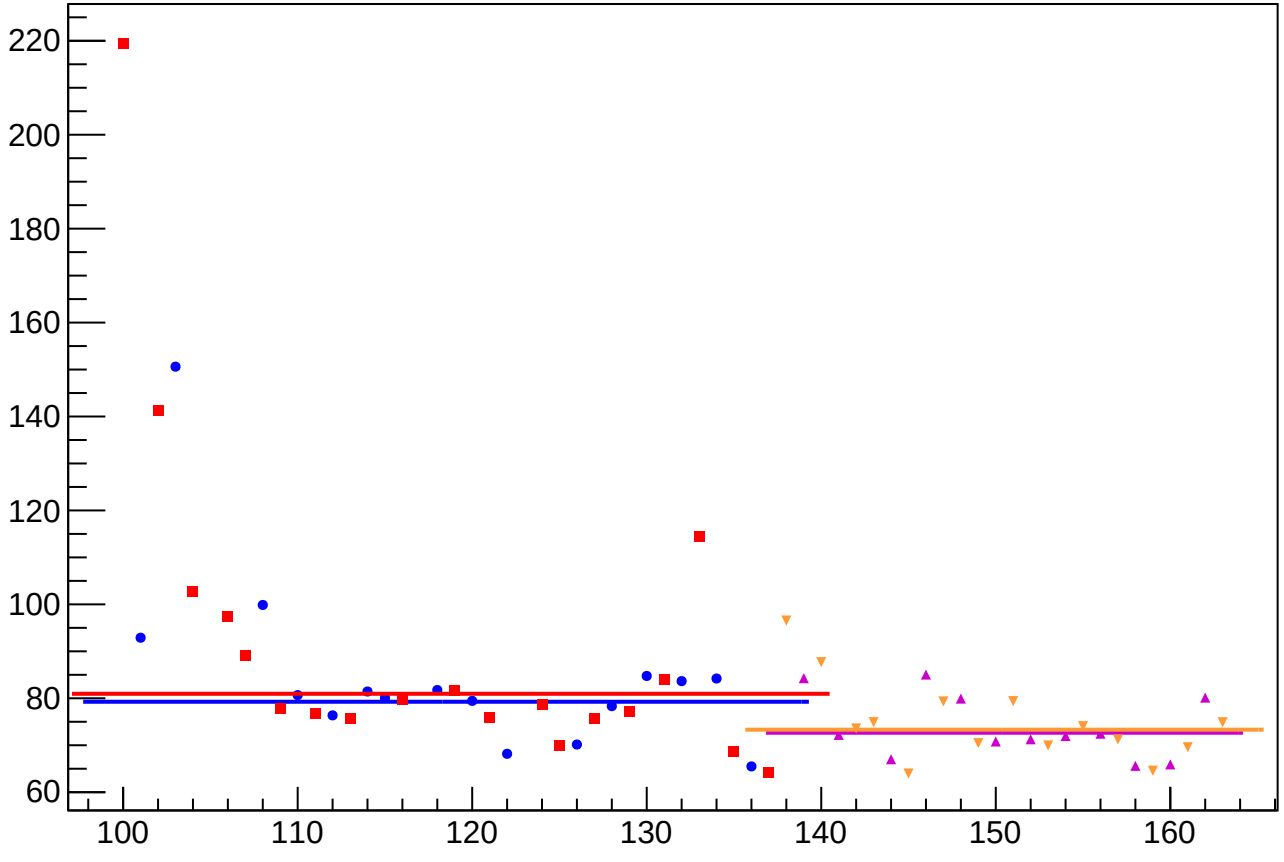
Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 41.129+/-18.280 χ^2/NDF:39.9/27

Out: 43.373+/-18.010 χ^2/NDF:37.7/32

All: 42.268+/-12.829 χ^2/NDF: 77.6/60

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 73.315+/-0.016 χ^2/NDF:227786.8/13

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.661+/-0.016 χ^2/NDF:145928.2/11

Left: 72.998+/-0.011 χ^2/NDF: 374553.8/25

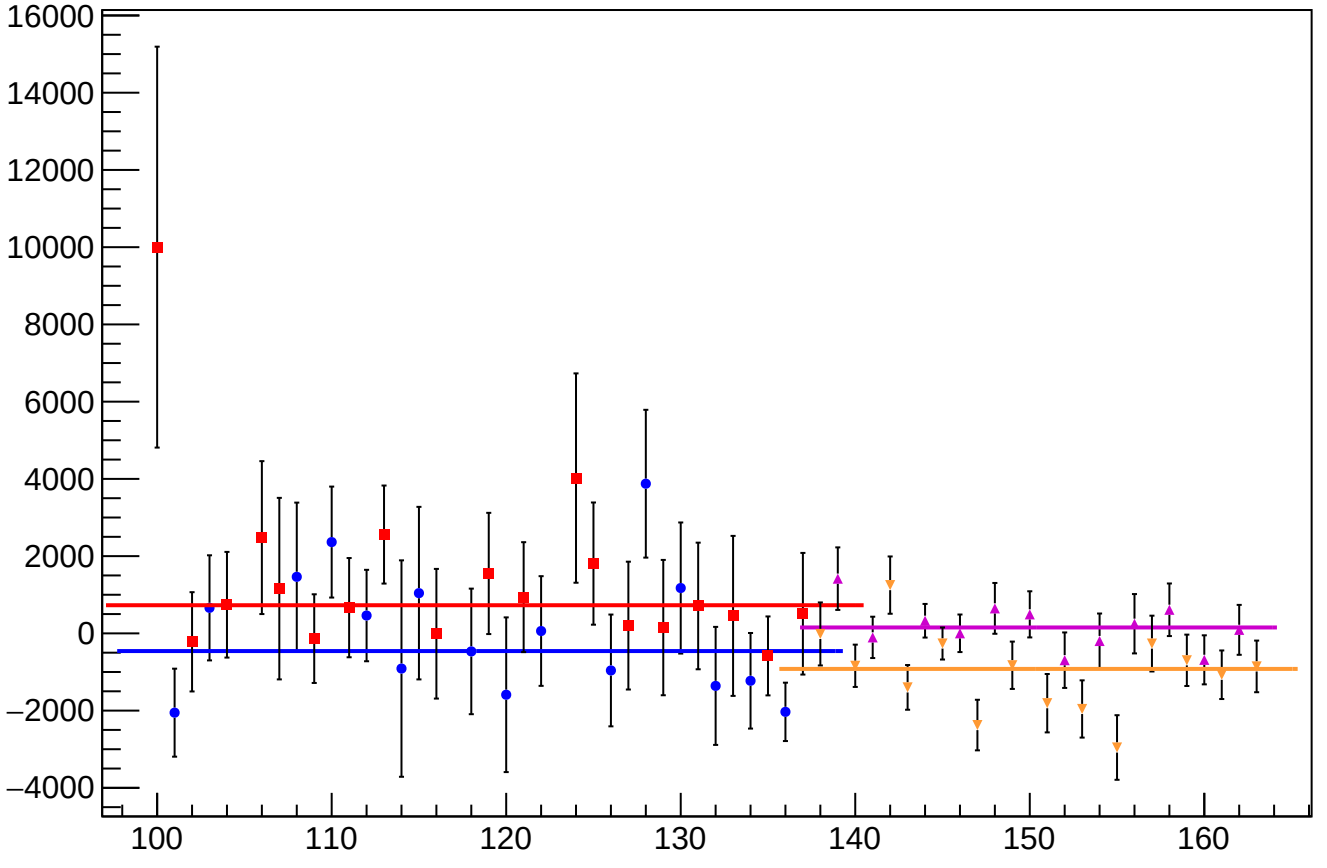
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 75.057+/-0.013 χ^2/NDF:651188.6/27

Out: 75.944+/-0.013 χ^2/NDF:823256.3/32

All: 75.507+/-0.009 χ^2/NDF: 1476837.7/60

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -920.248+/-170.541 χ^2/NDF:28.2/13

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 152.876+/-176.026 χ^2/NDF:7.7/11

Left: -400.664+/-122.484 χ^2/NDF: 55.1/25

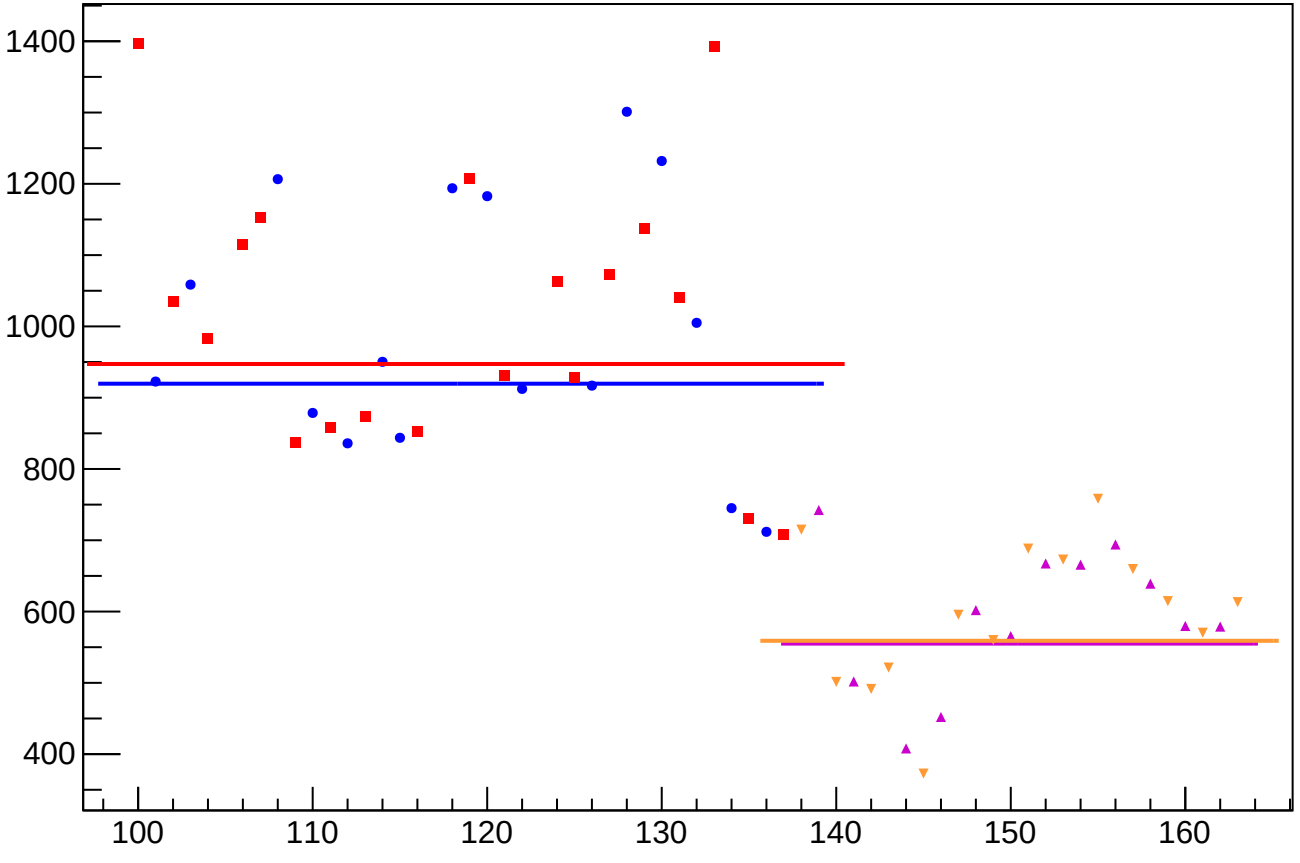
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 29.575+/-157.264 χ^2/NDF:30.4/27

Out: -607.587+/-153.524 χ^2/NDF:57.5/32

All: -296.672+/-109.856 χ^2/NDF: 96.3/60

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: 558.999+/-0.121 χ^2/NDF:815318.6/13

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 555.053+/-0.124 χ^2/NDF:654610.2/11

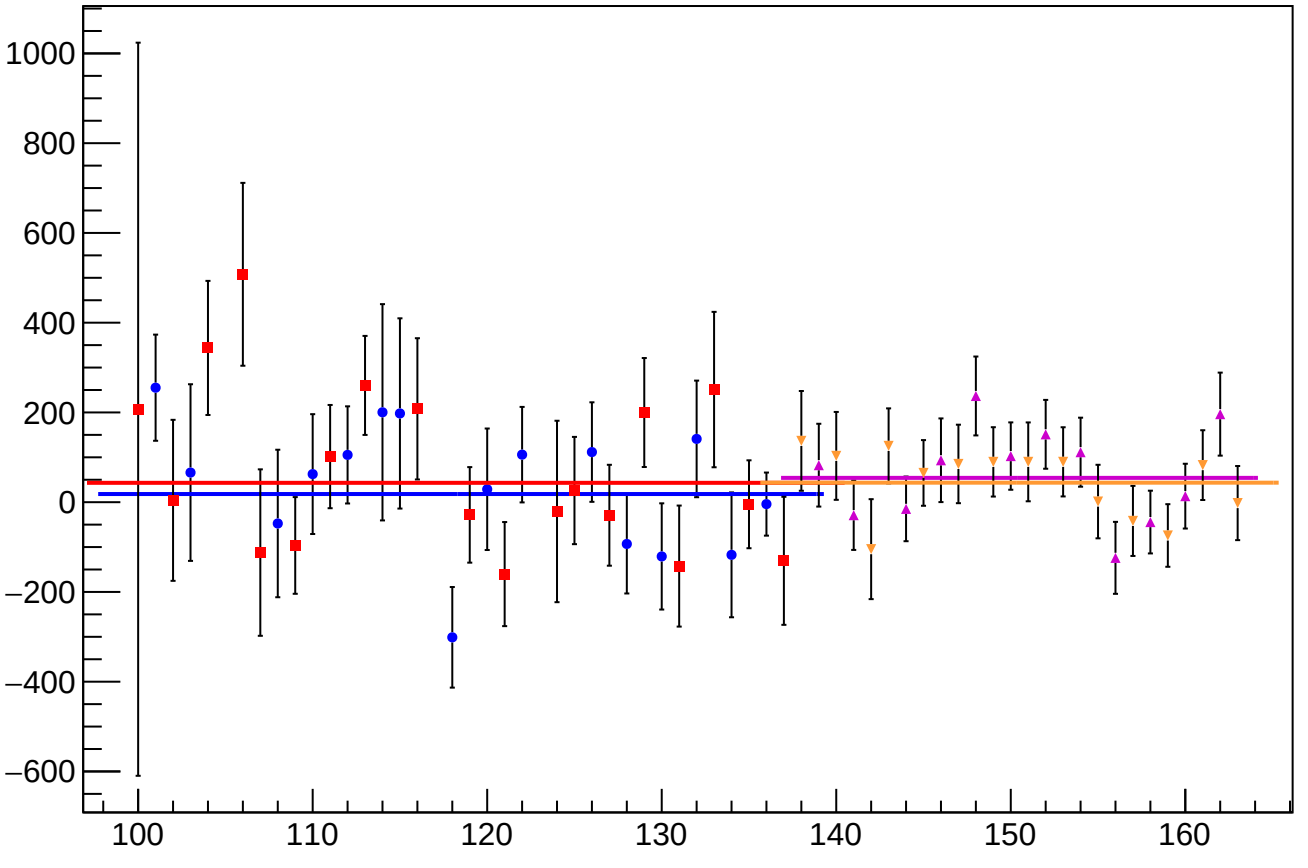
Left: 557.088+/-0.087 χ^2/NDF: 1470447.4/25

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 628.629+/-0.111 χ^2/NDF:2901525.0/27

Out: 632.618+/-0.109 χ^2/NDF:3206506.1/32

All: 630.671+/-0.078 χ^2/NDF: 6108690.1/60



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 43.493+/-22.237 χ^2/NDF:10.0/13

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 54.200+/-22.900 χ^2/NDF:18.8/11

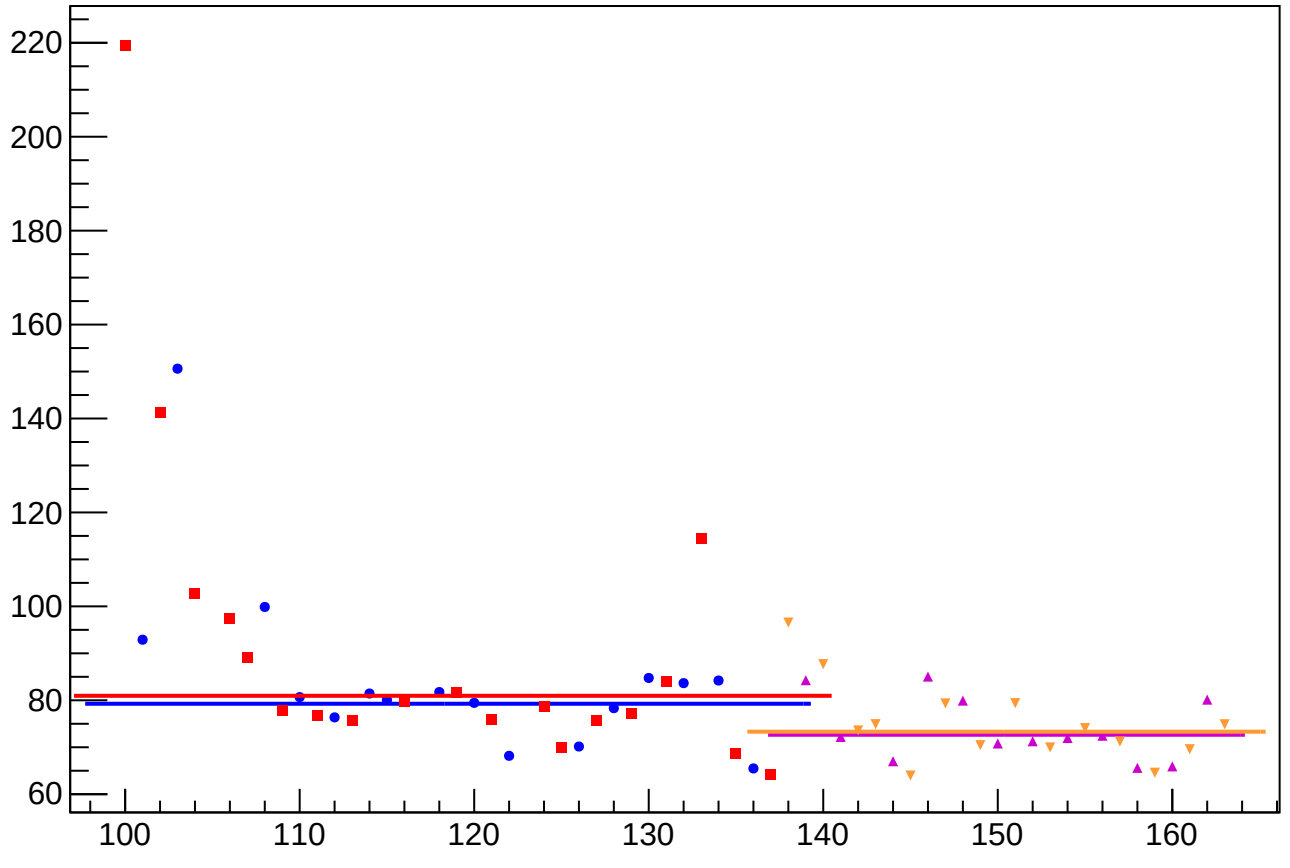
Left: 48.689+/-15.953 χ^2/NDF: 28.9/25

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 41.128+/-18.280 χ^2/NDF:39.9/27

Out: 43.373+/-18.010 χ^2/NDF:37.7/32

All: 42.267+/-12.829 χ^2/NDF: 77.6/60



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 73.315+/-0.016 χ^2/NDF:227784.8/13

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.662+/-0.016 χ^2/NDF:145932.4/11

Left: 72.998+/-0.011 χ^2/NDF: 374556.1/25

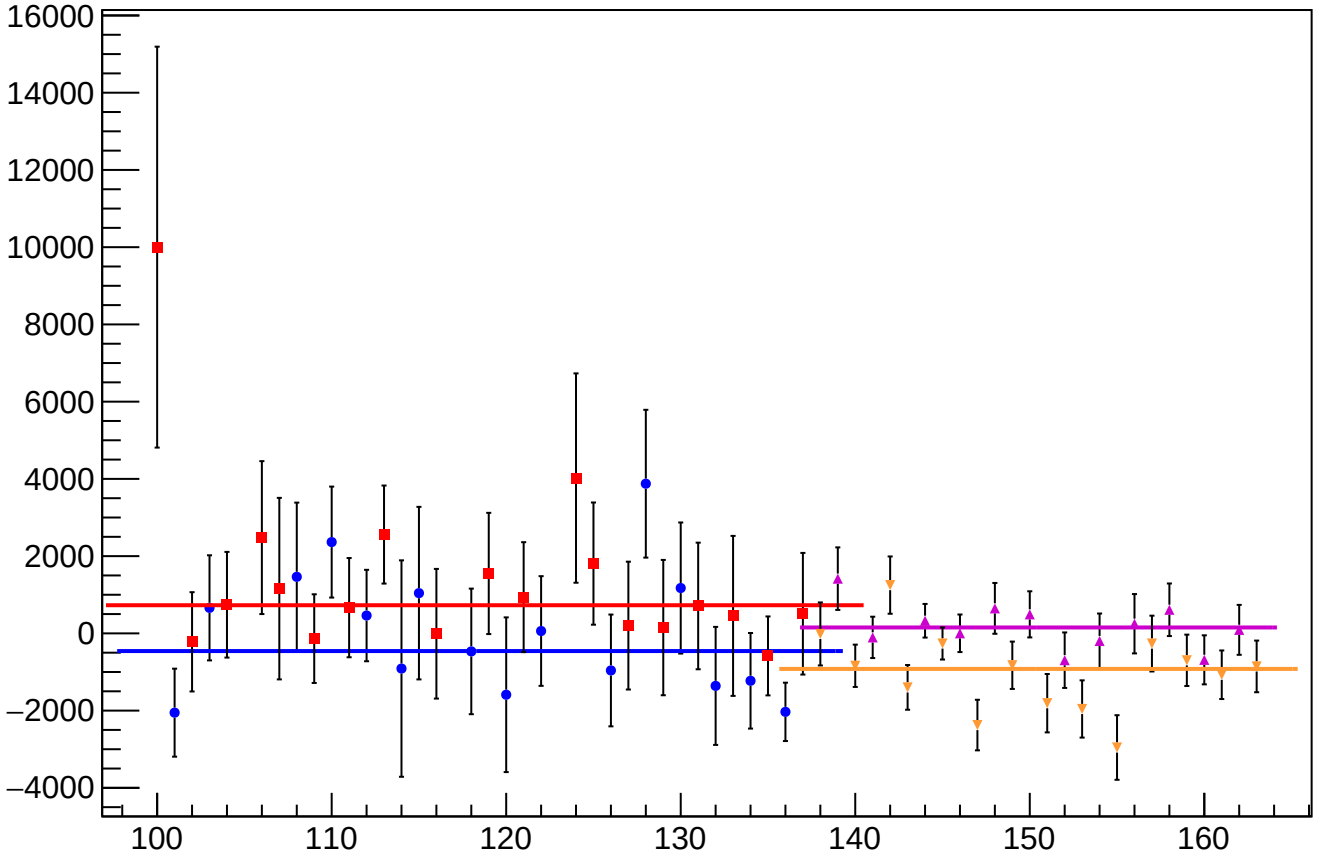
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 75.057+/-0.013 χ^2/NDF:651181.5/27

Out: 75.944+/-0.013 χ^2/NDF:823252.7/32

All: 75.507+/-0.009 χ^2/NDF: 1476827.3/60

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -920.247+/-170.541 χ^2/NDF:28.2/13

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 152.875+/-176.025 χ^2/NDF:7.7/11

Left: -400.664+/-122.484 χ^2/NDF: 55.1/25

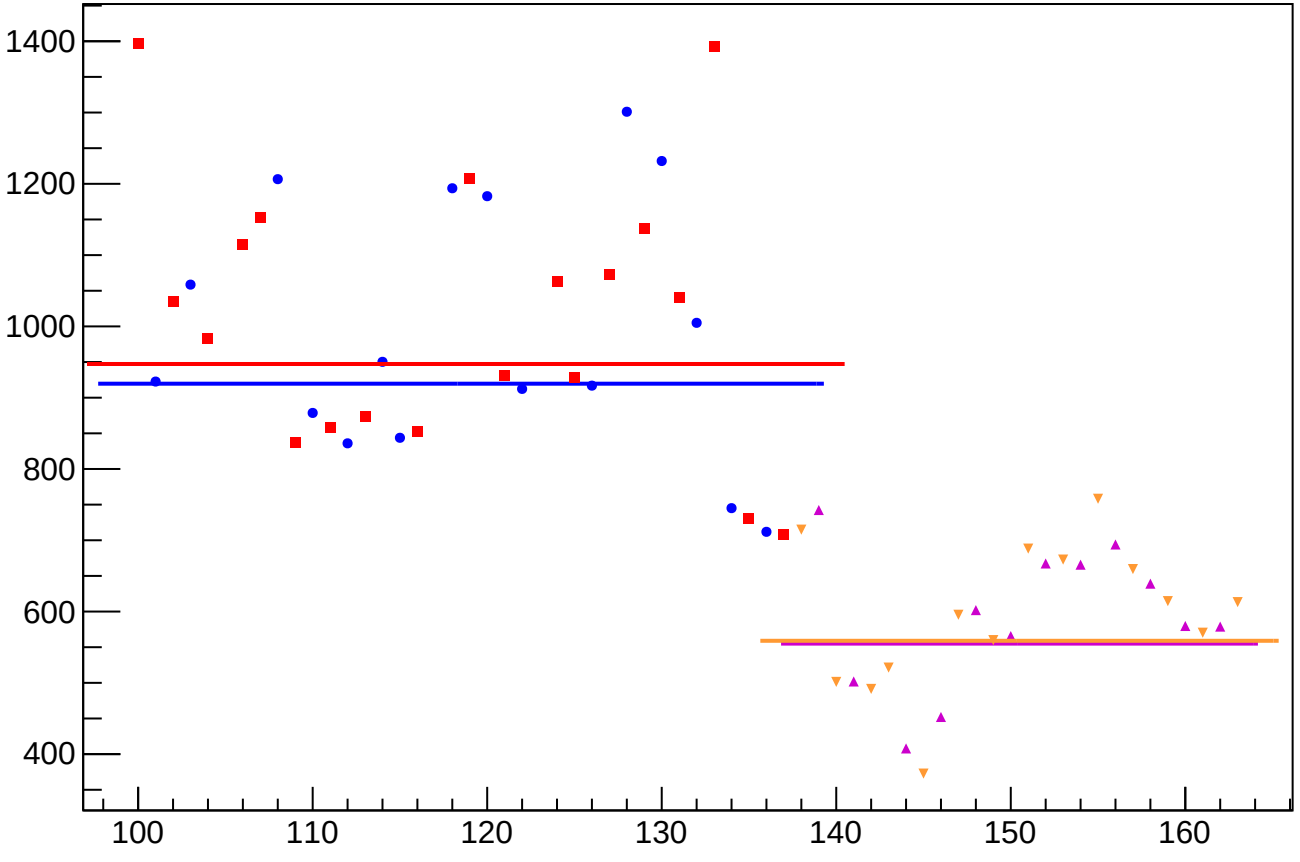
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 29.574+/-157.264 χ^2/NDF:30.4/27

Out: -607.586+/-153.524 χ^2/NDF:57.5/32

All: -296.672+/-109.856 χ^2/NDF: 96.3/60

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: 558.998+/-0.121 χ^2/NDF:815322.8/13

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 555.052+/-0.124 χ^2/NDF:654608.9/11

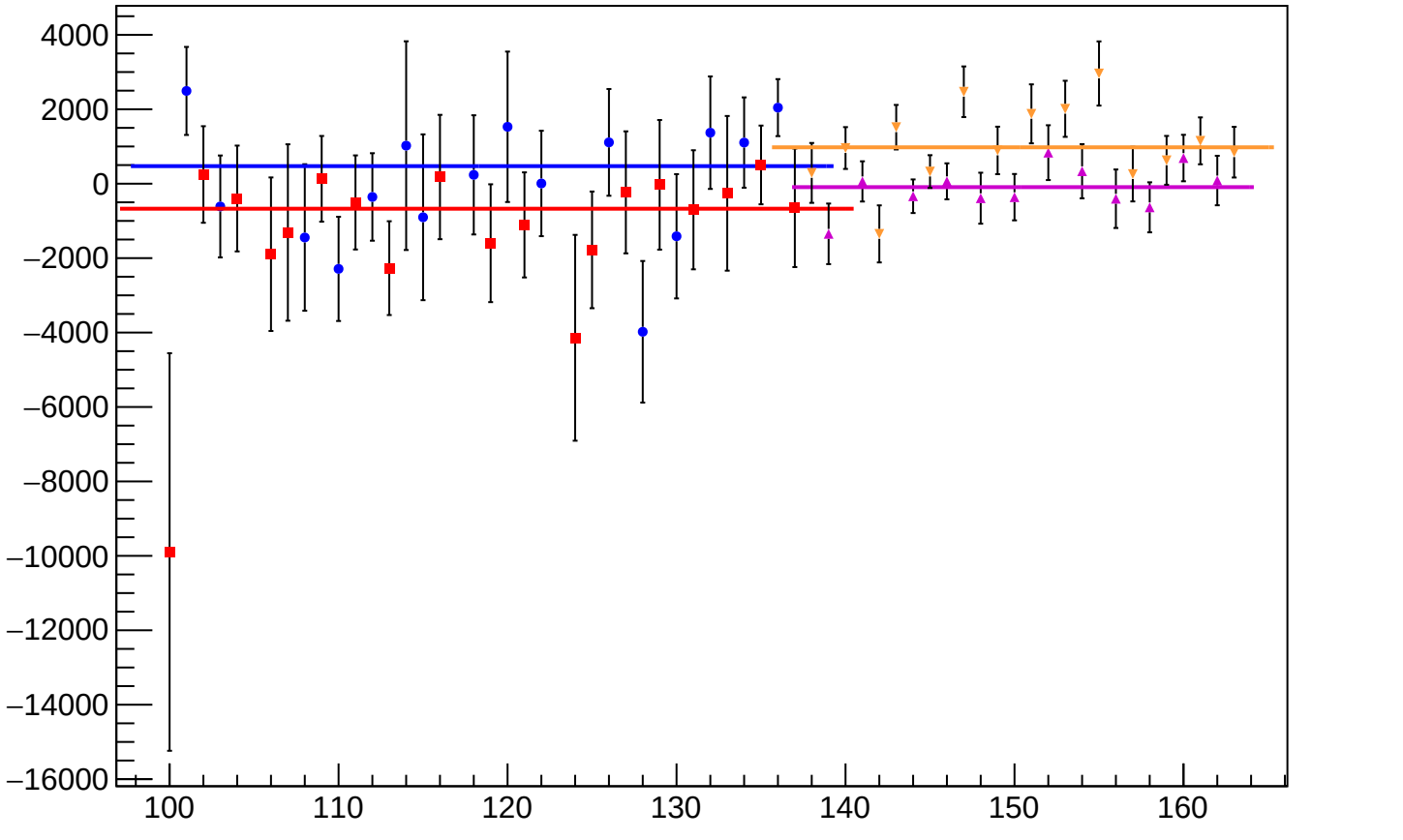
Left: 557.087+/-0.087 χ^2/NDF: 1470450.2/25

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 628.628+/-0.111 χ^2/NDF:2901519.0/27

Out: 632.617+/-0.109 χ^2/NDF:3206507.4/32

All: 630.670+/-0.078 χ^2/NDF: 6108685.4/60



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 977.705+/-175.317 χ^2/NDF:27.6/13

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -92.811+/-178.997 χ^2/NDF:7.6/11

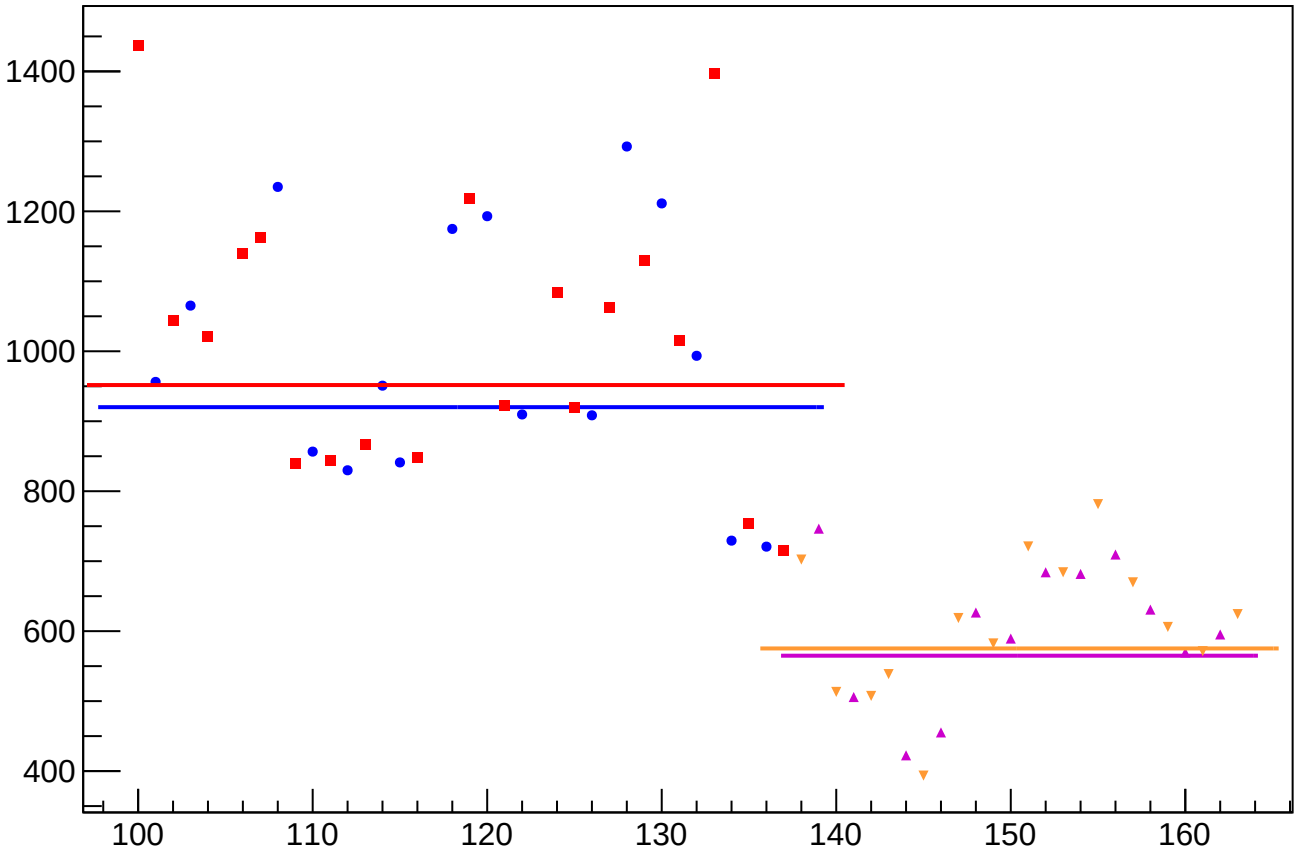
Left: 453.564+/-125.249 χ^2/NDF: 53.5/25

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 24.092+/-159.401 χ^2/NDF:31.2/27

Out: 653.427+/-157.151 χ^2/NDF:55.3/32

All: 343.233+/-111.909 χ^2/NDF: 94.4/60



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 575.282+/-0.124 χ^2/NDF:718418.3/13

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 564.920+/-0.127 χ^2/NDF:639563.6/11

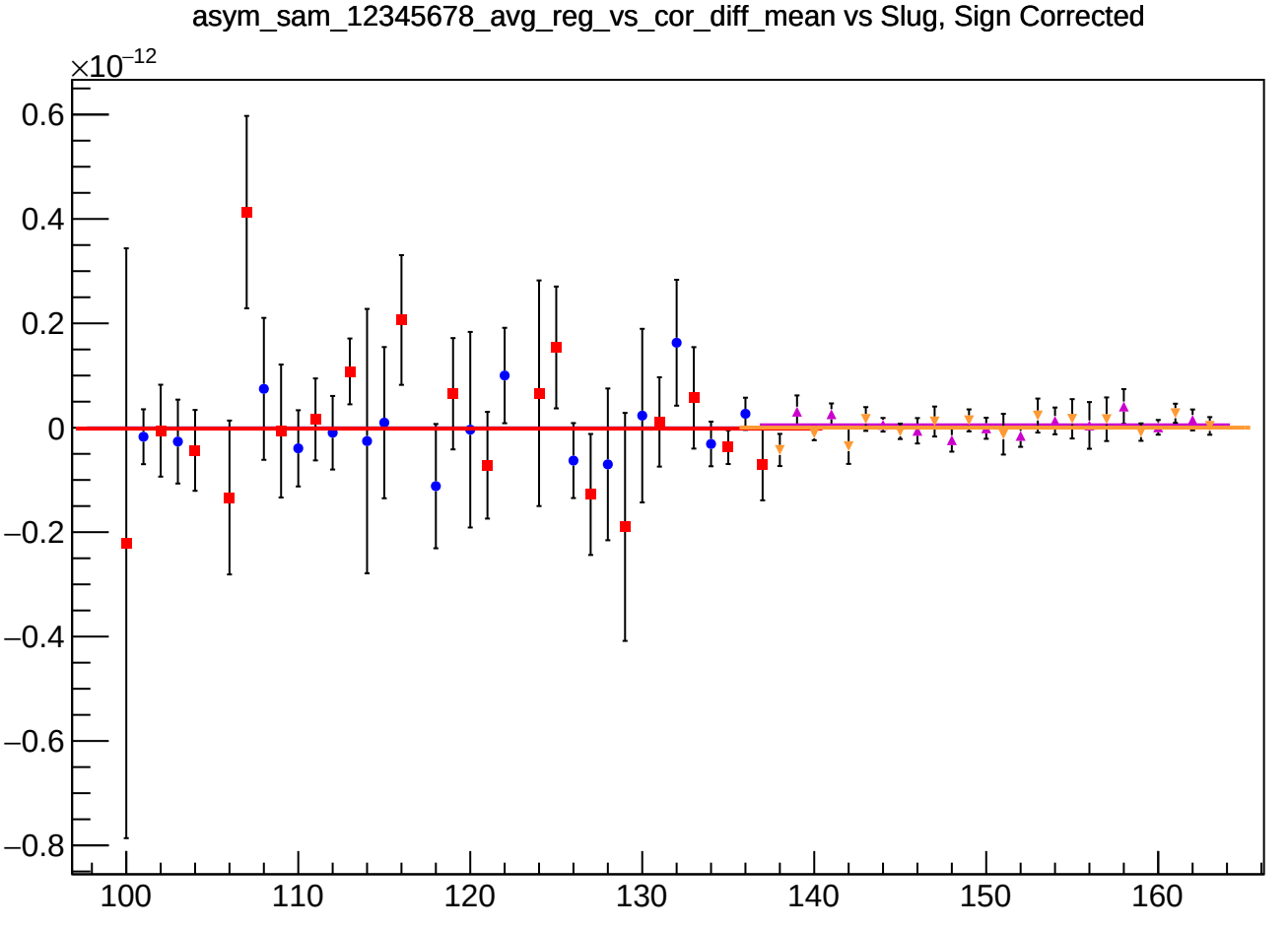
Left: 570.209+/-0.089 χ^2/NDF: 1361402.7/25

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 638.438+/-0.113 χ^2/NDF:2778324.2/27

Out: 649.255+/-0.111 χ^2/NDF:2946513.1/32

All: 643.923+/-0.079 χ^2/NDF: 5729507.8/60



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.6/13

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.2/11

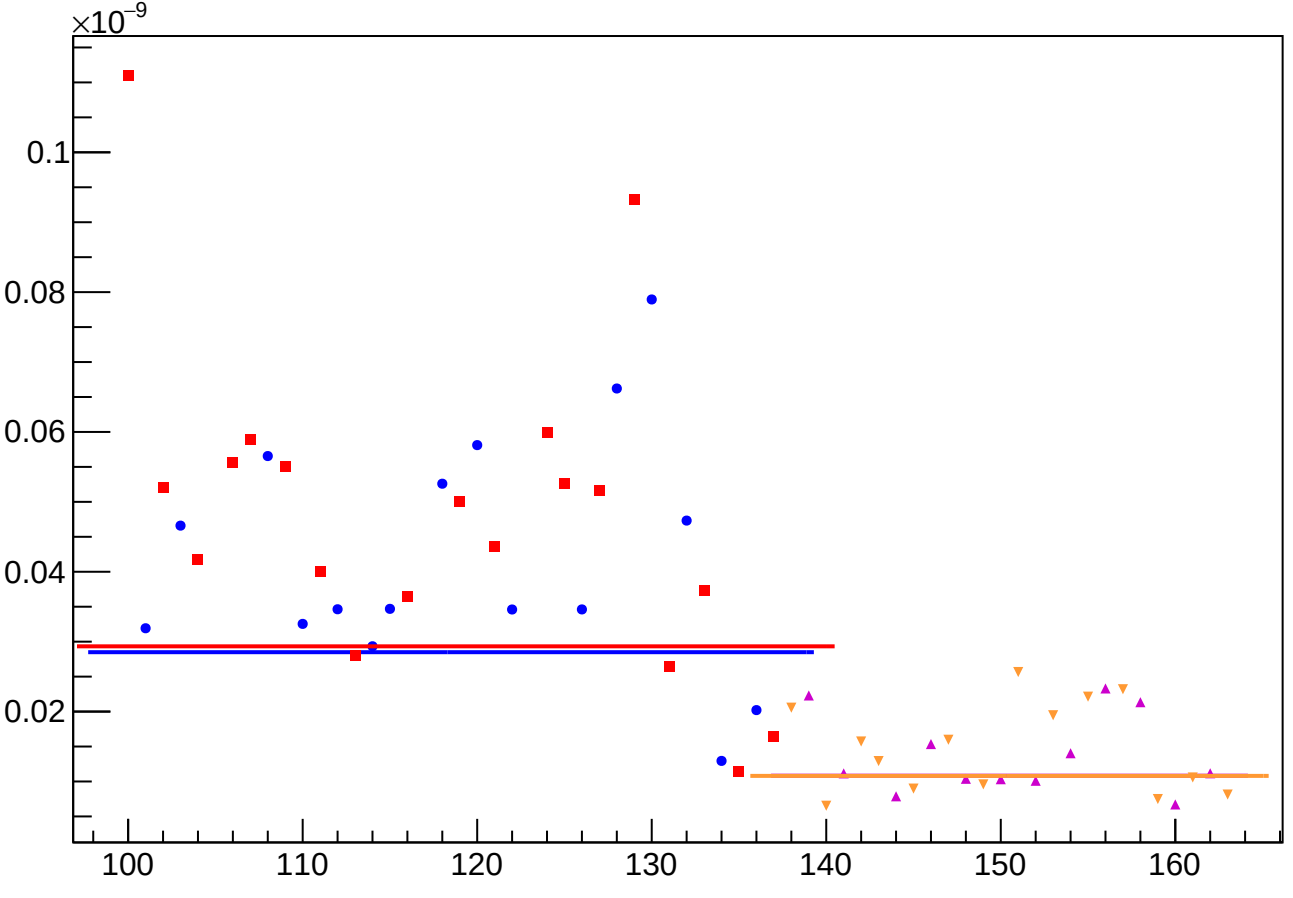
Left: 0.000+/-0.000 χ^2/NDF: 15.1/25

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:13.4/27

Out: 0.000+/-0.000 χ^2/NDF:28.0/32

All: 0.000+/-0.000 χ^2/NDF: 41.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1493129.1/13

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1005096.0/11

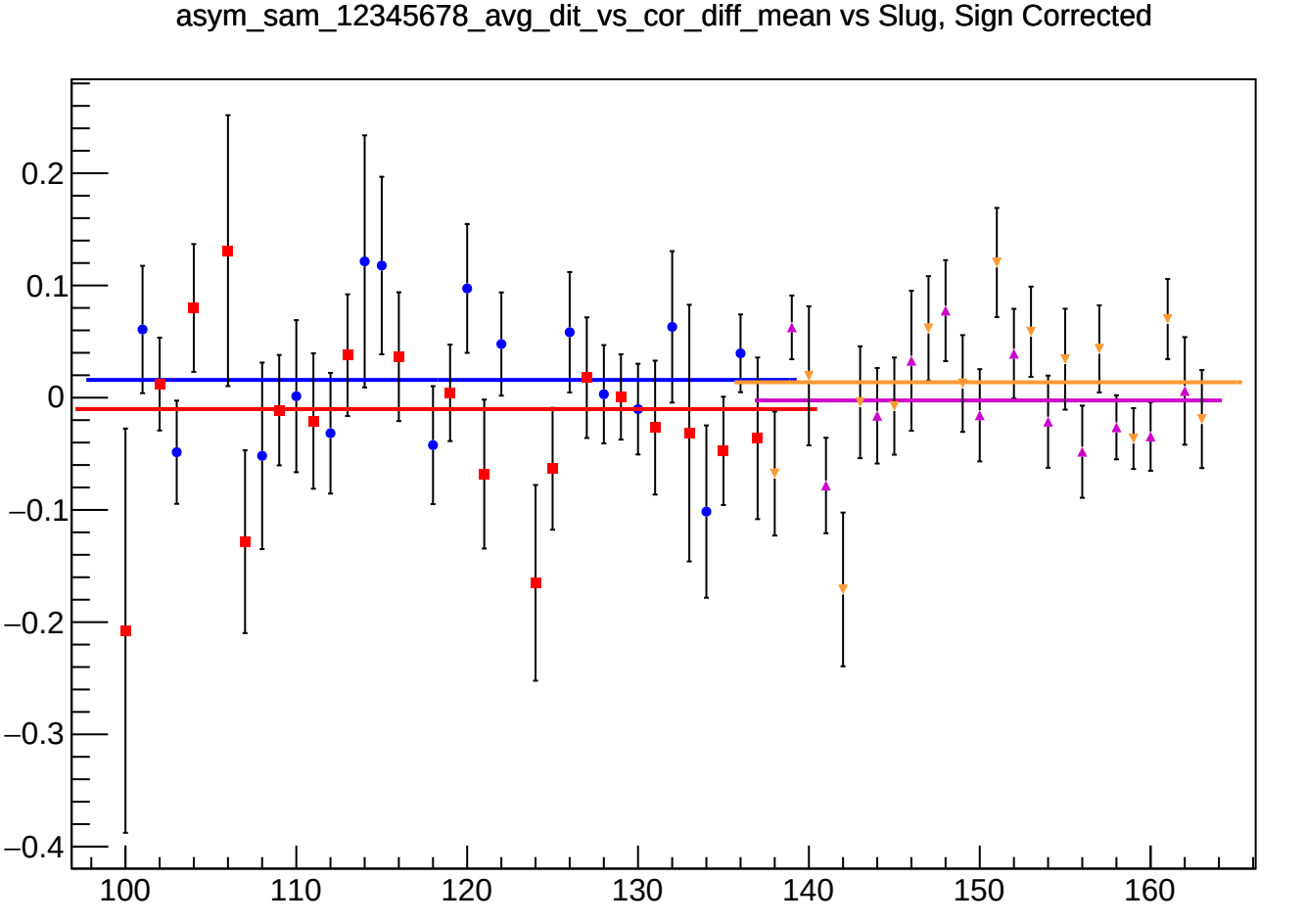
Left: 0.000+/-0.000 χ^2/NDF: 2498247.9/25

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3944942.6/27

Out: 0.000+/-0.000 χ^2/NDF:4841764.8/32

All: 0.000+/-0.000 χ^2/NDF: 8790234.7/60



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.011 χ^2/NDF:16.5/11

Left: 0.005+/-0.008 χ^2/NDF: 41.8/25

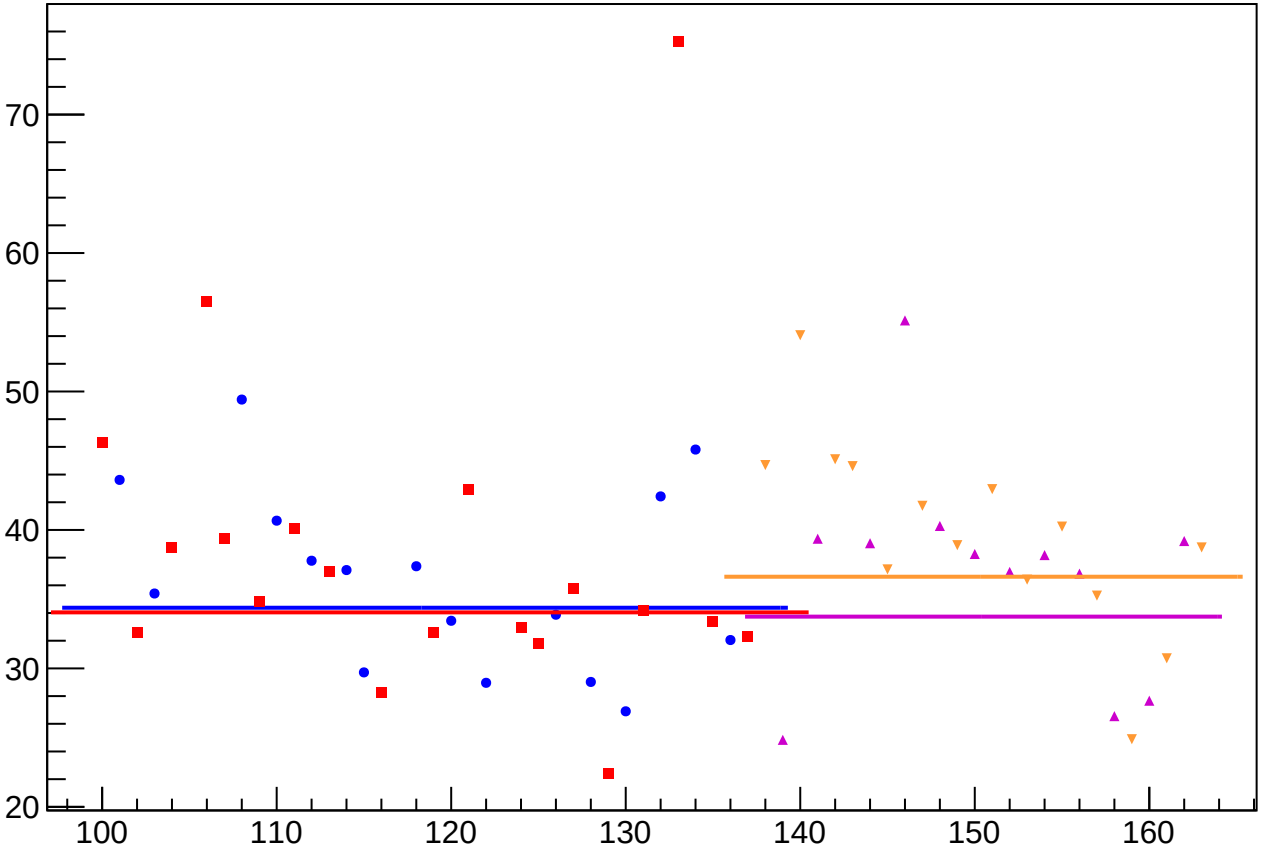
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/27

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.004+/-0.006 χ^2/NDF: 73.6/60

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: 36.622+/-0.008 χ^2/NDF:797206.3/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.740+/-0.008 χ^2/NDF:843797.8/11

Left: 35.124+/-0.006 χ^2/NDF: 1706696.6/25

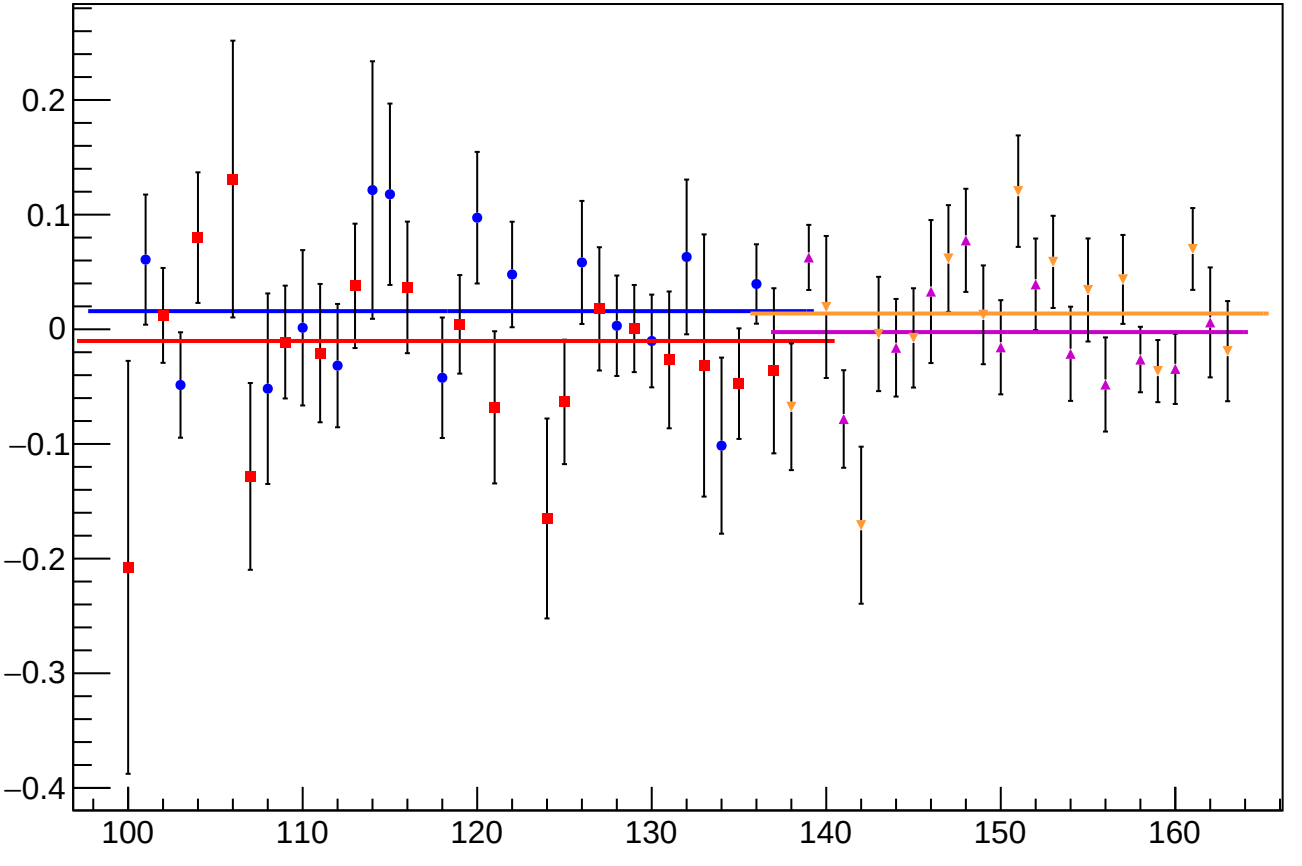
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.999+/-0.006 χ^2/NDF:1214420.7/27

Out: 35.516+/-0.006 χ^2/NDF:1483246.5/32

All: 34.744+/-0.004 χ^2/NDF: 2728885.7/60

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.011 χ^2/NDF:16.5/11

Left: 0.005+/-0.008 χ^2/NDF: 41.8/25

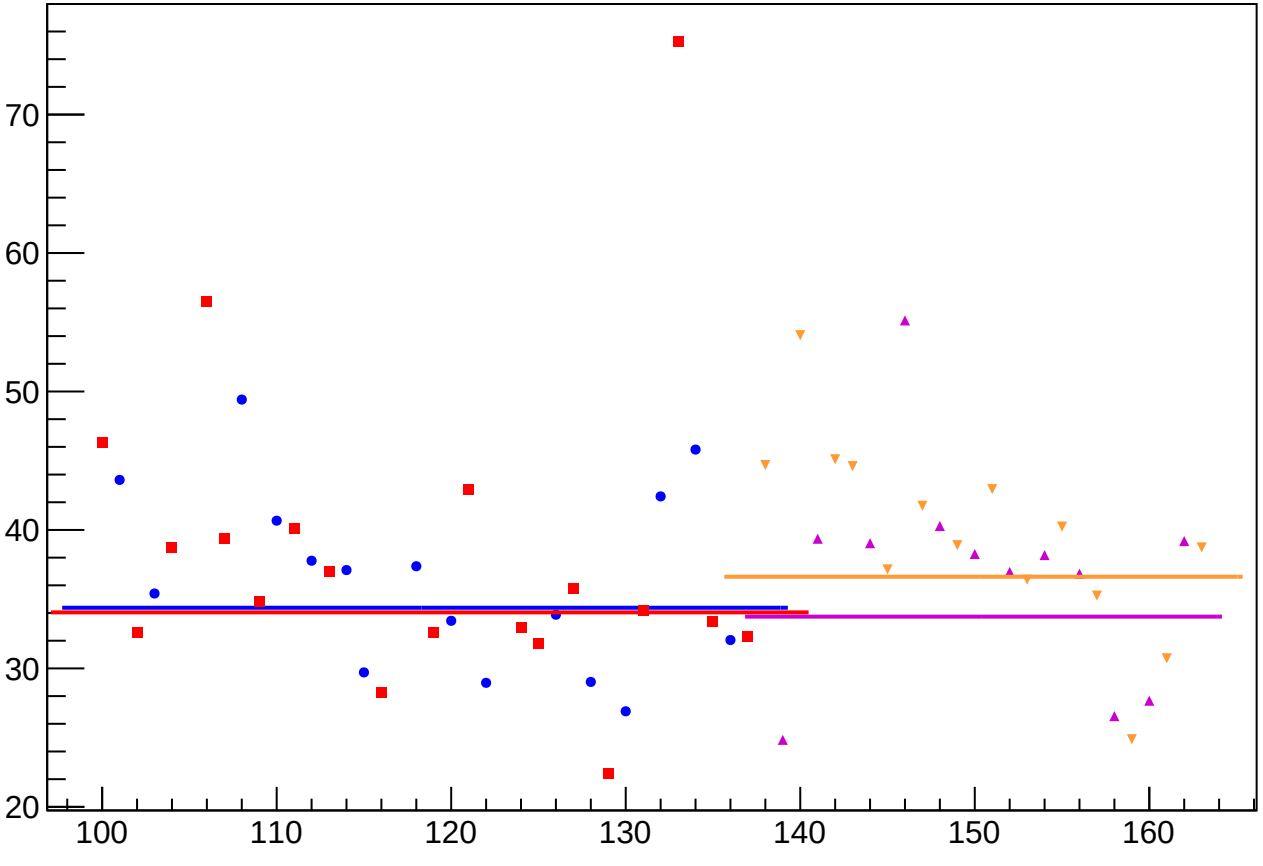
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/27

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.004+/-0.006 χ^2/NDF: 73.6/60

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 36.622+/-0.008 χ^2/NDF:797206.3/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 33.740+/-0.008 χ^2/NDF:843797.8/11

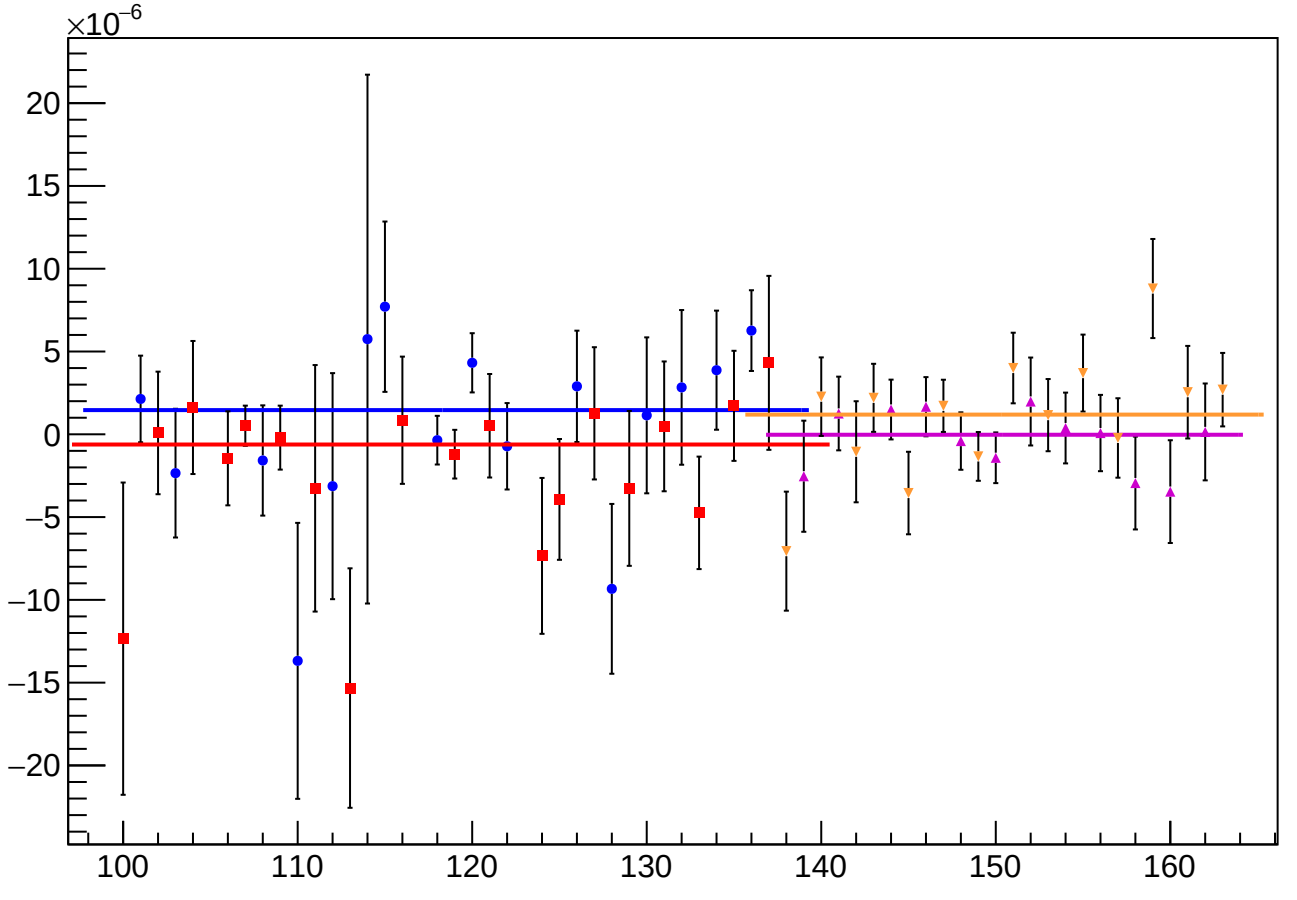
Left: 35.124+/-0.006 χ^2/NDF: 1706696.6/25

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 33.999+/-0.006 χ^2/NDF:1214420.7/27

Out: 35.516+/-0.006 χ^2/NDF:1483246.5/32

All: 34.744+/-0.004 χ^2/NDF: 2728885.7/60



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.3/13

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.3/11

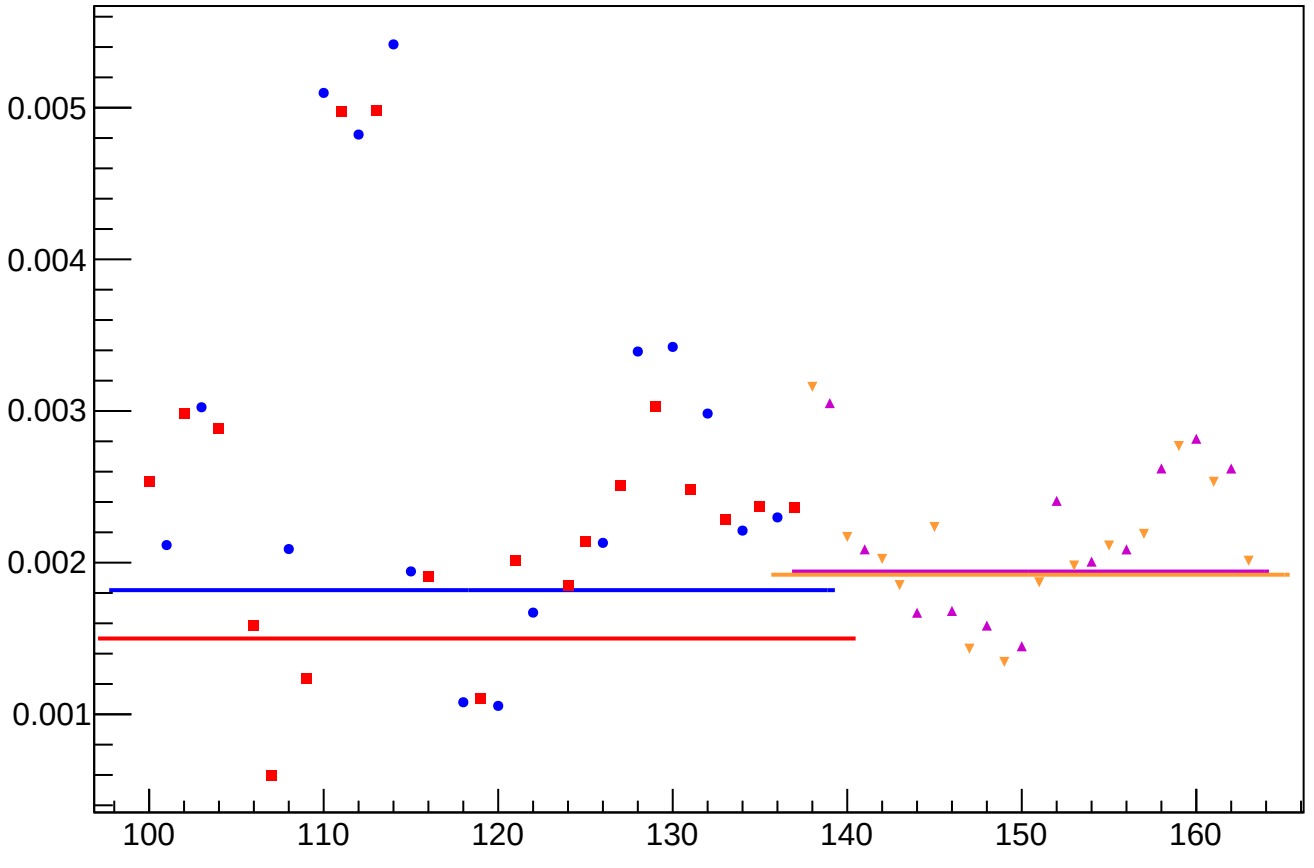
Left: 0.000+/-0.000 χ^2/NDF: 31.6/25

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:29.6/27

Out: 0.000+/-0.000 χ^2/NDF:41.5/32

All: 0.000+/-0.000 χ^2/NDF: 71.2/60



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1094120.9/13

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1062749.9/11

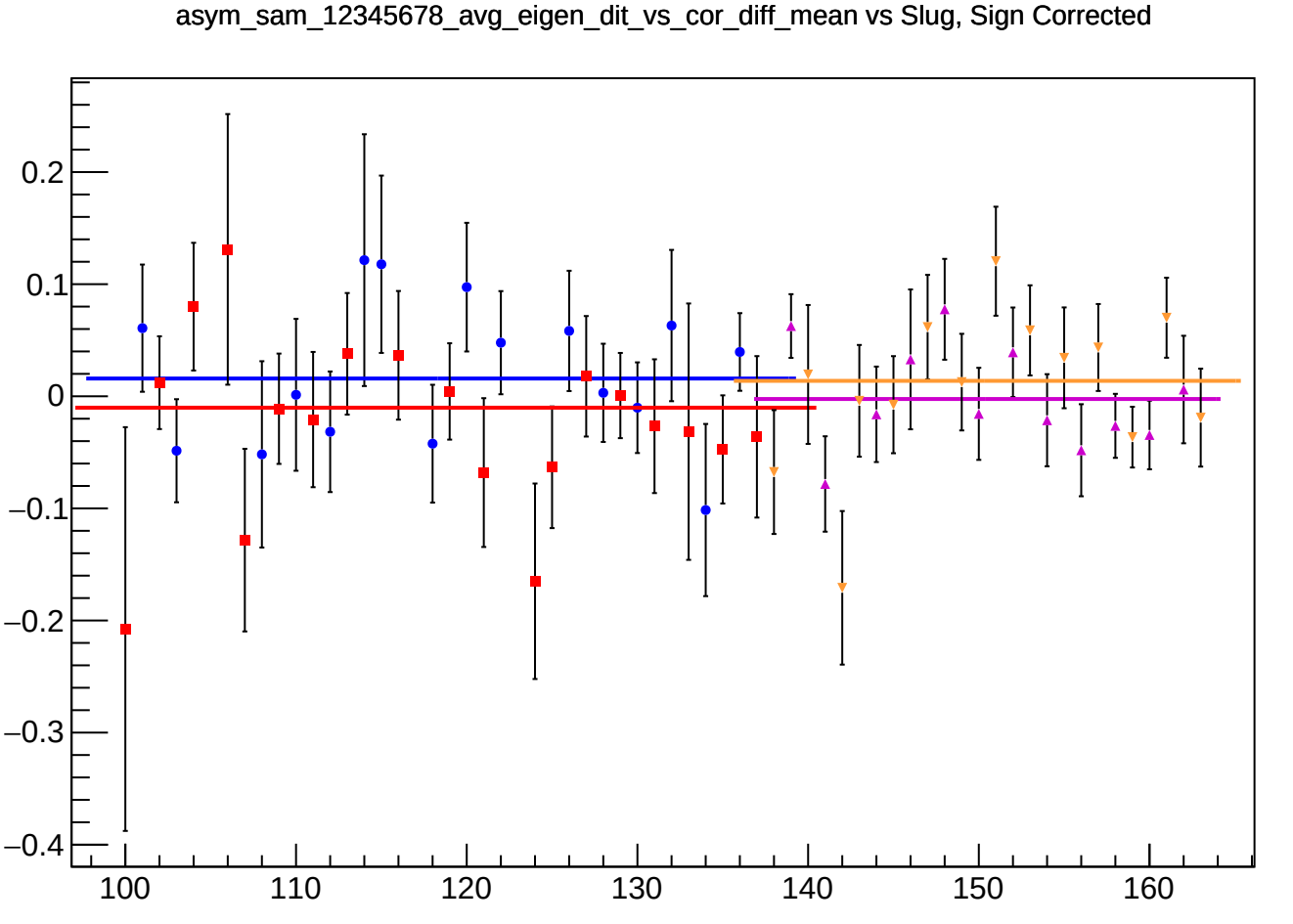
Left: 0.002+/-0.000 χ^2/NDF: 2158046.0/25

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3664515.0/27

Out: 0.002+/-0.000 χ^2/NDF:5244707.8/32

All: 0.002+/-0.000 χ^2/NDF: 9034857.2/60



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.011 χ^2/NDF:16.5/11

Left: 0.005+/-0.008 χ^2/NDF: 41.8/25

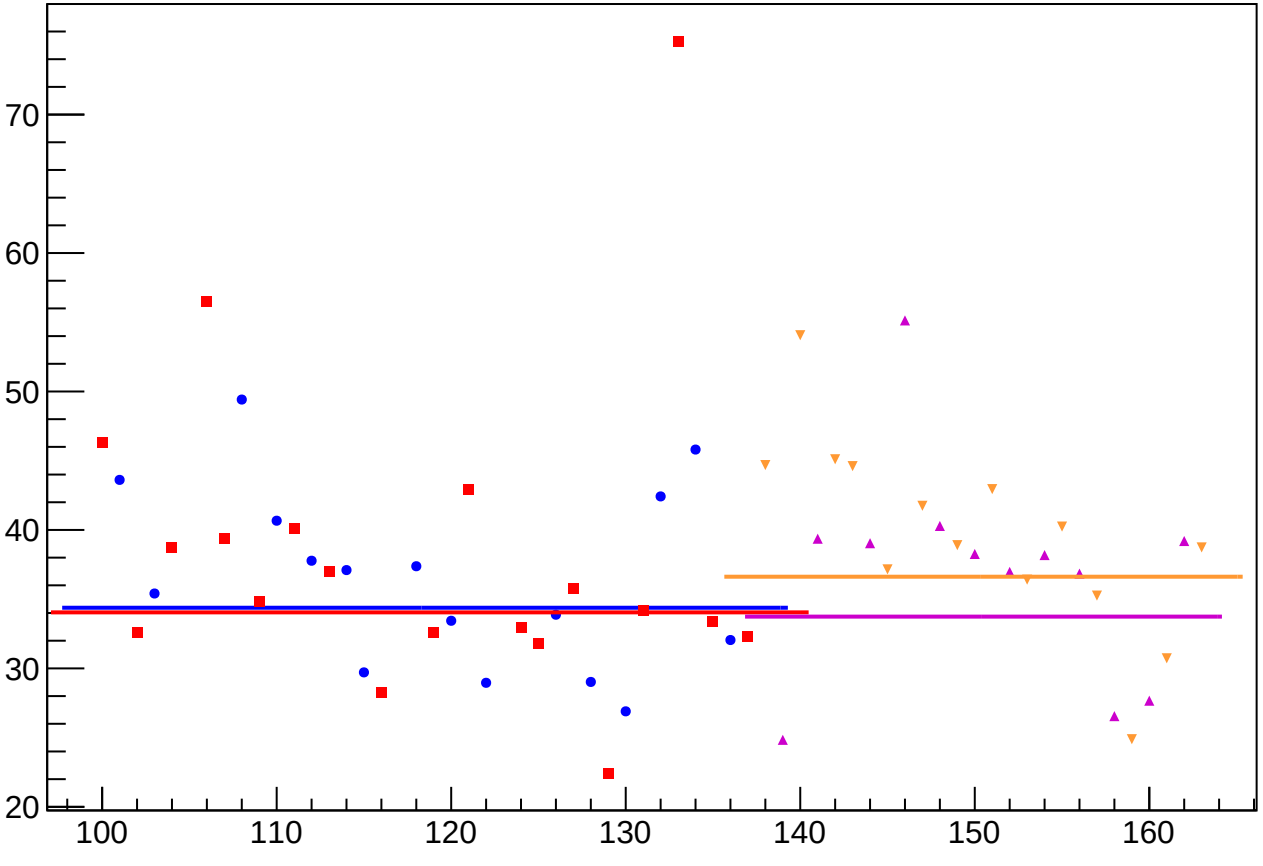
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/27

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.004+/-0.006 χ^2/NDF: 73.6/60

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: 36.622+/-0.008 χ^2/NDF:797275.8/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.740+/-0.008 χ^2/NDF:843866.3/11

Left: 35.125+/-0.006 χ^2/NDF: 1706834.4/25

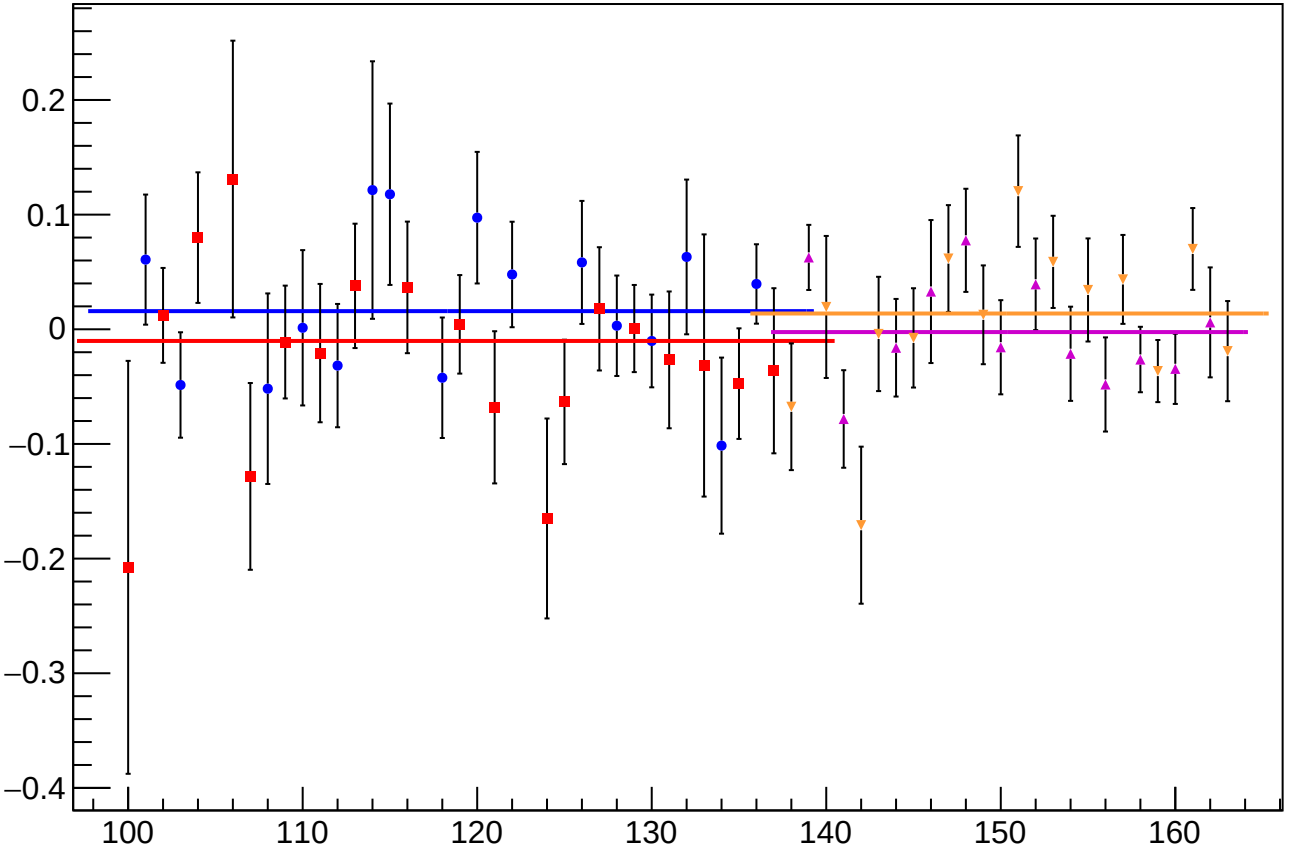
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 33.999+/-0.006 χ^2/NDF:1214538.2/27

Out: 35.516+/-0.006 χ^2/NDF:1483385.7/32

All: 34.744+/-0.004 χ^2/NDF: 2729144.6/60

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.014+/-0.011 χ^2/NDF:24.2/13

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: -0.002+/-0.011 χ^2/NDF:16.5/11

Left: 0.005+/-0.008 χ^2/NDF: 41.8/25

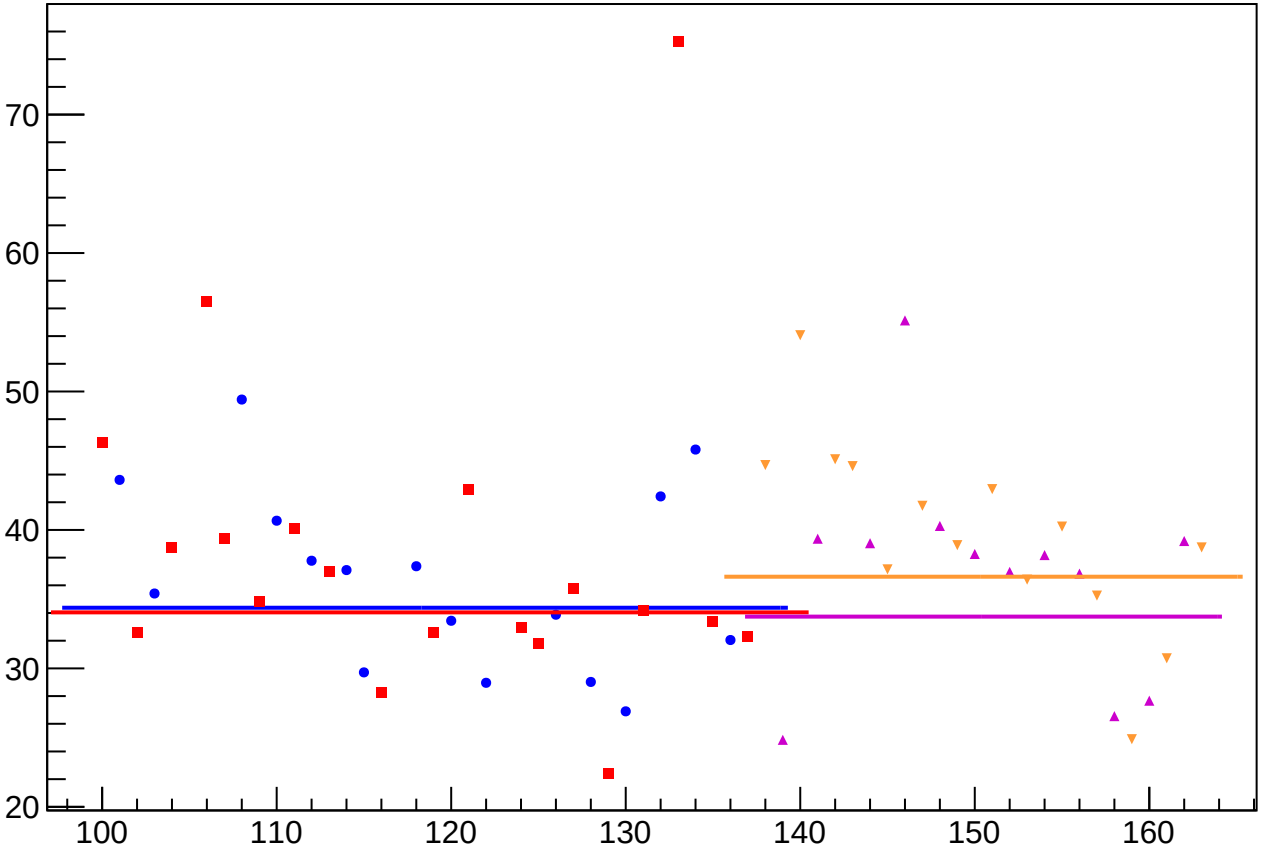
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.009 χ^2/NDF:32.4/27

Out: 0.003+/-0.009 χ^2/NDF:41.2/32

All: 0.004+/-0.006 χ^2/NDF: 73.6/60

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 36.622+/-0.008 χ^2/NDF:797275.8/13

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 33.740+/-0.008 χ^2/NDF:843866.3/11

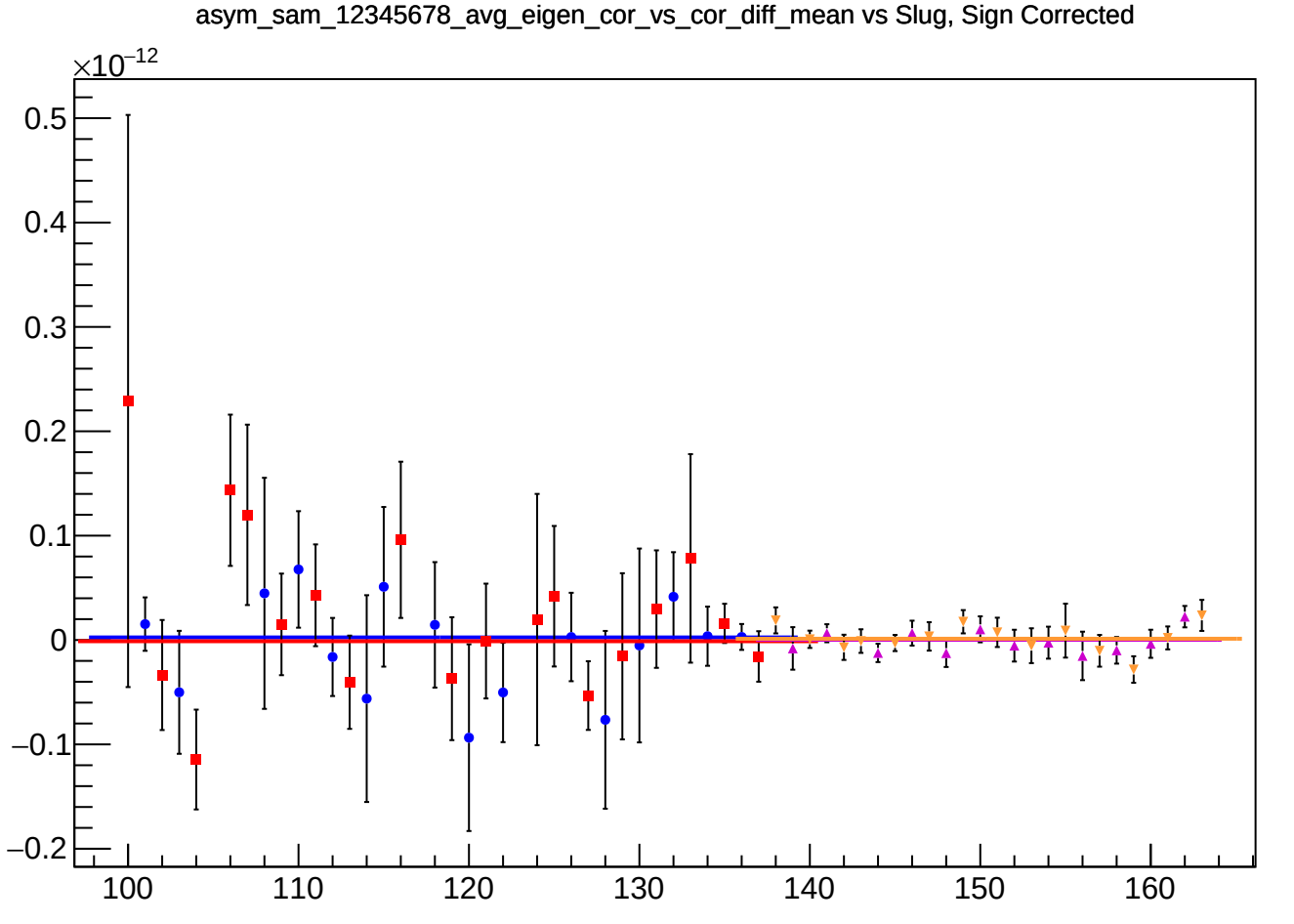
Left: 35.125+/-0.006 χ^2/NDF: 1706834.4/25

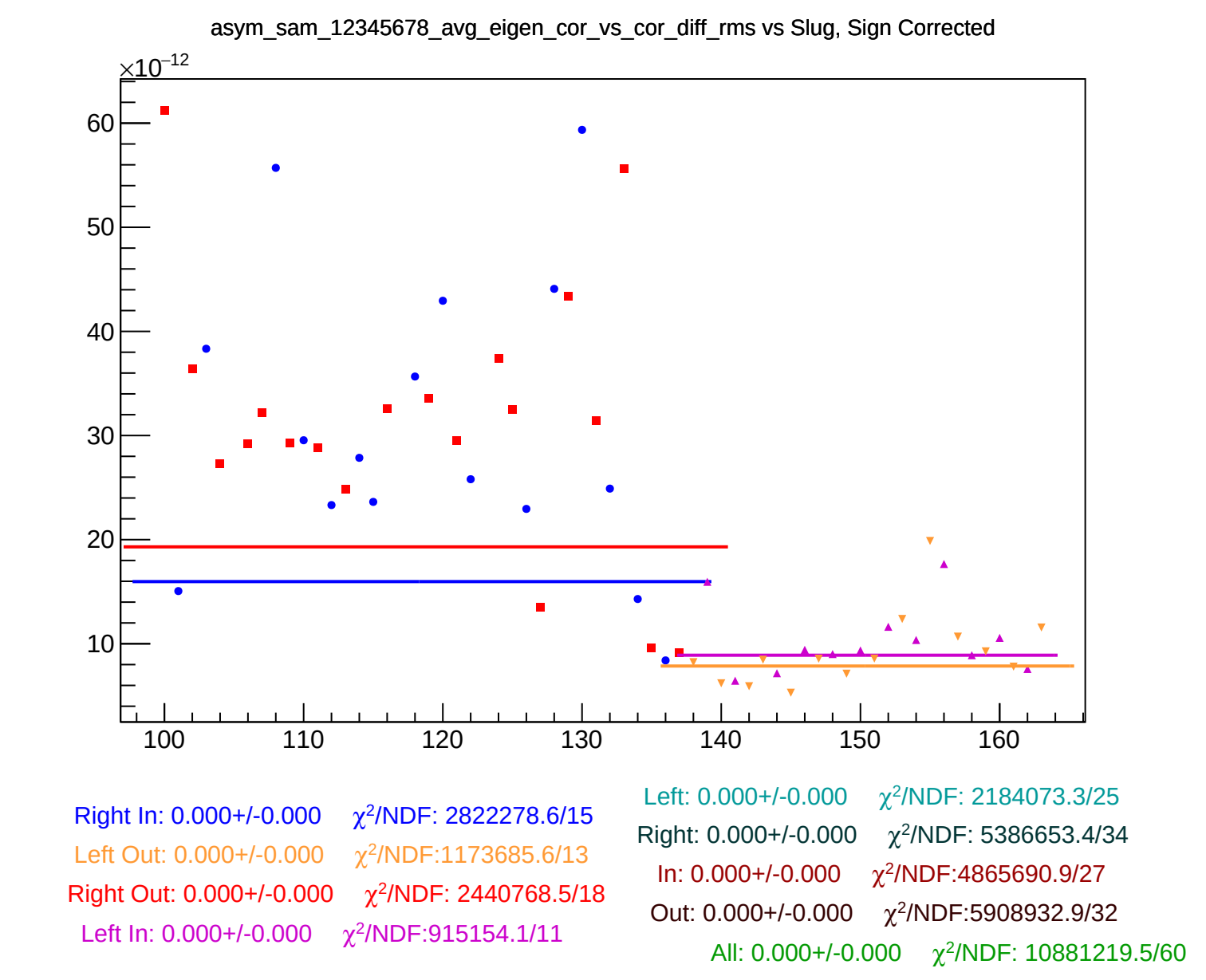
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

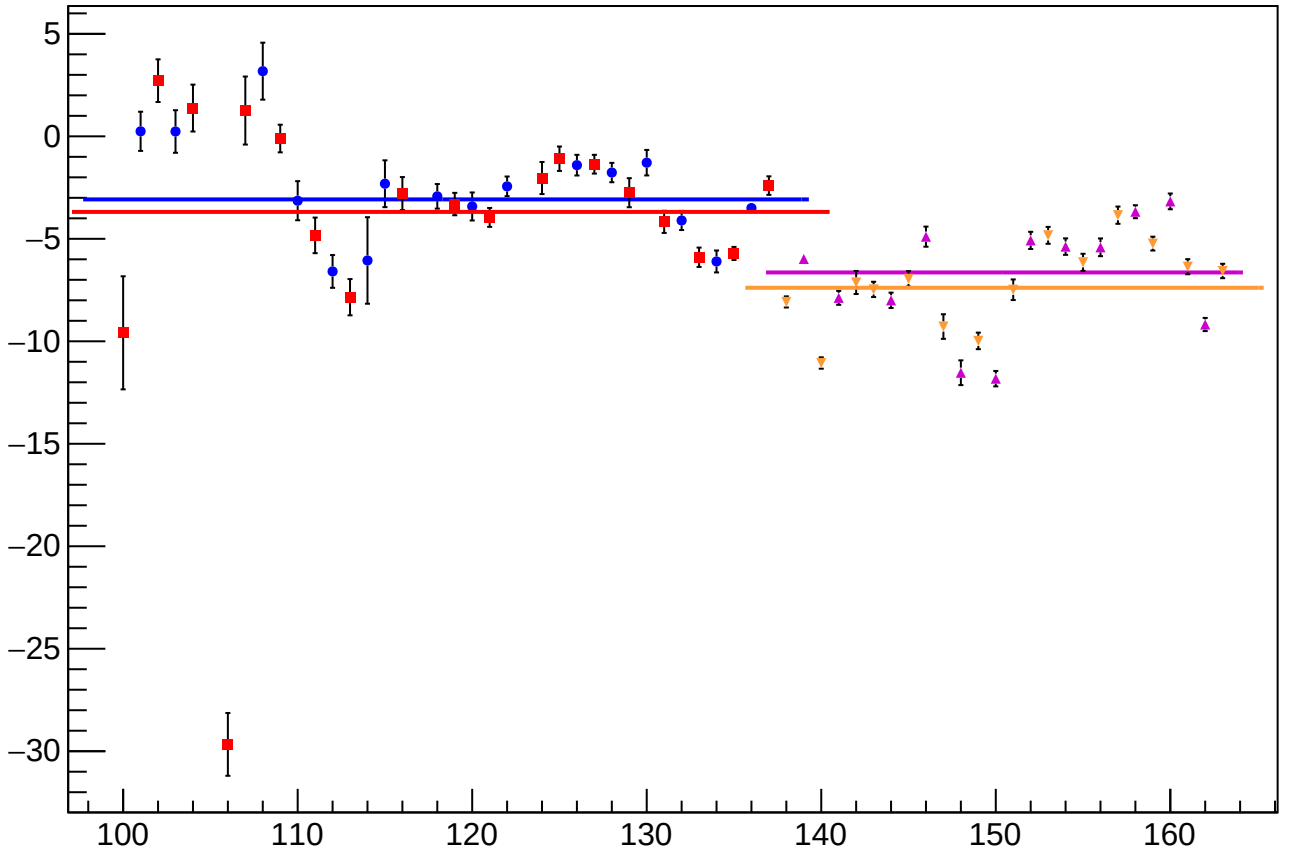
In: 33.999+/-0.006 χ^2/NDF:1214538.2/27

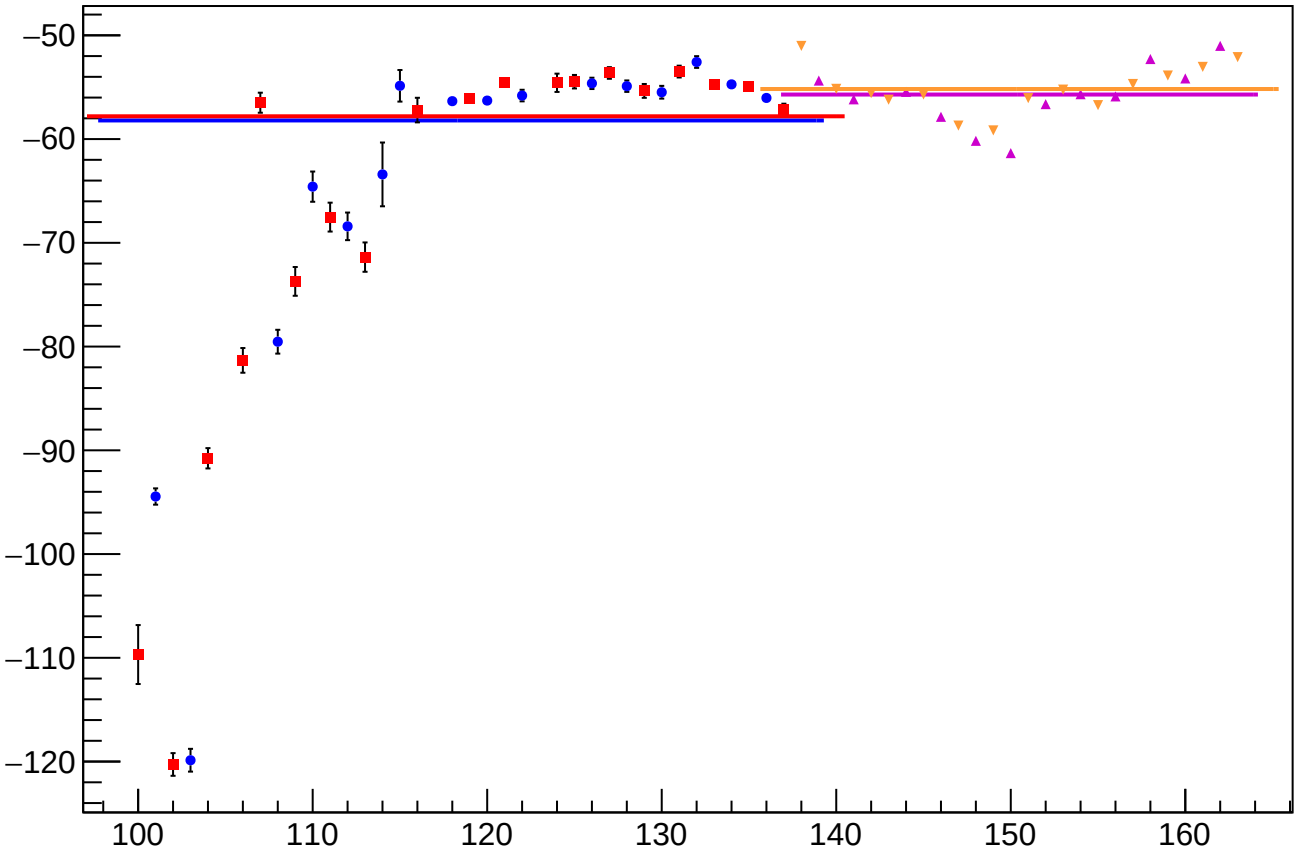
Out: 35.516+/-0.006 χ^2/NDF:1483385.7/32

All: 34.744+/-0.004 χ^2/NDF: 2729144.6/60


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: 0.000+/-0.000 χ²/NDF:13.6/13
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/18
Left In: 0.000+/-0.000 χ²/NDF:10.6/11
Left: 0.000+/-0.000 χ²/NDF: 24.2/25
Right: 0.000+/-0.000 χ²/NDF: 29.3/34
In: 0.000+/-0.000 χ²/NDF:18.3/27
Out: 0.000+/-0.000 χ²/NDF:35.1/32
All: 0.000+/-0.000 χ²/NDF: 53.5/60


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1173685.6/13
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:915154.1/11
Left: 0.000+/-0.000 χ²/NDF: 2184073.3/25
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4865690.9/27
Out: 0.000+/-0.000 χ²/NDF:5908932.9/32
All: 0.000+/-0.000 χ²/NDF: 10881219.5/60


reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
Right In: -3.077+/-0.135 χ²/NDF: 133.8/15
Left Out: -7.388+/-0.101 χ²/NDF:406.2/13
Right Out: -3.687+/-0.140 χ²/NDF: 534.8/18
Left In: -6.640+/-0.105 χ²/NDF:564.8/11
Left: -7.029+/-0.073 χ²/NDF: 997.4/25
Right: -3.371+/-0.097 χ²/NDF: 678.4/34
In: -5.300+/-0.083 χ²/NDF:1132.0/27
Out: -6.126+/-0.082 χ²/NDF:1400.1/32
All: -5.718+/-0.058 χ²/NDF: 2582.2/60



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.174+/-0.073 χ^2/NDF:881.3/13

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.707+/-0.079 χ^2/NDF:1433.8/11

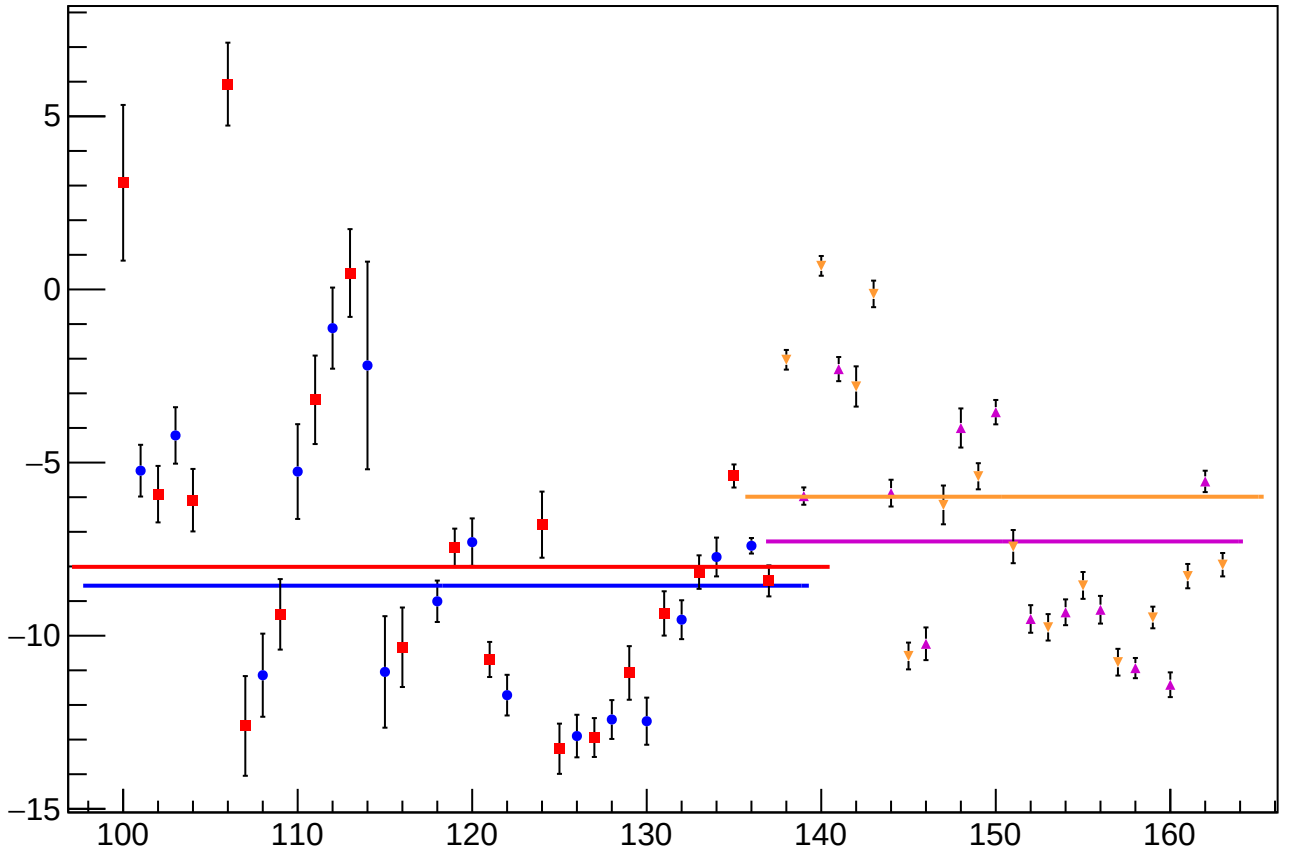
Left: -55.423+/-0.054 χ^2/NDF: 2339.6/25

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -56.336+/-0.068 χ^2/NDF:7814.5/27

Out: -55.752+/-0.065 χ^2/NDF:6955.3/32

All: -56.031+/-0.047 χ^2/NDF: 14808.3/60



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.986+/-0.099 χ^2/NDF:1650.9/13

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.278+/-0.102 χ^2/NDF:838.1/11

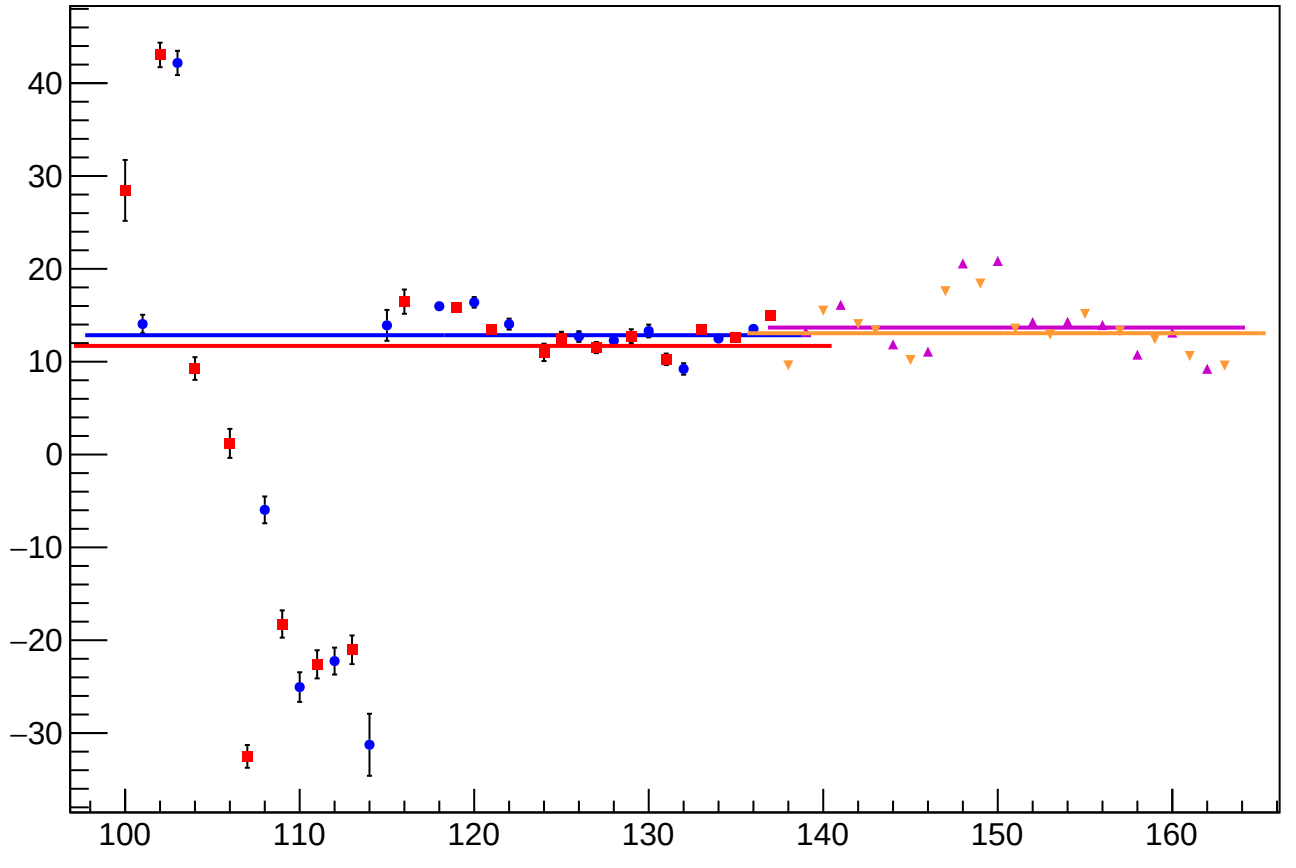
Left: -6.610+/-0.071 χ^2/NDF: 2572.1/25

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.701+/-0.083 χ^2/NDF:1190.9/27

Out: -6.580+/-0.083 χ^2/NDF:2264.2/32

All: -7.137+/-0.059 χ^2/NDF: 3546.1/60



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 13.065+/-0.084 χ^2/NDF:990.7/13

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 13.675+/-0.089 χ^2/NDF:1508.6/11

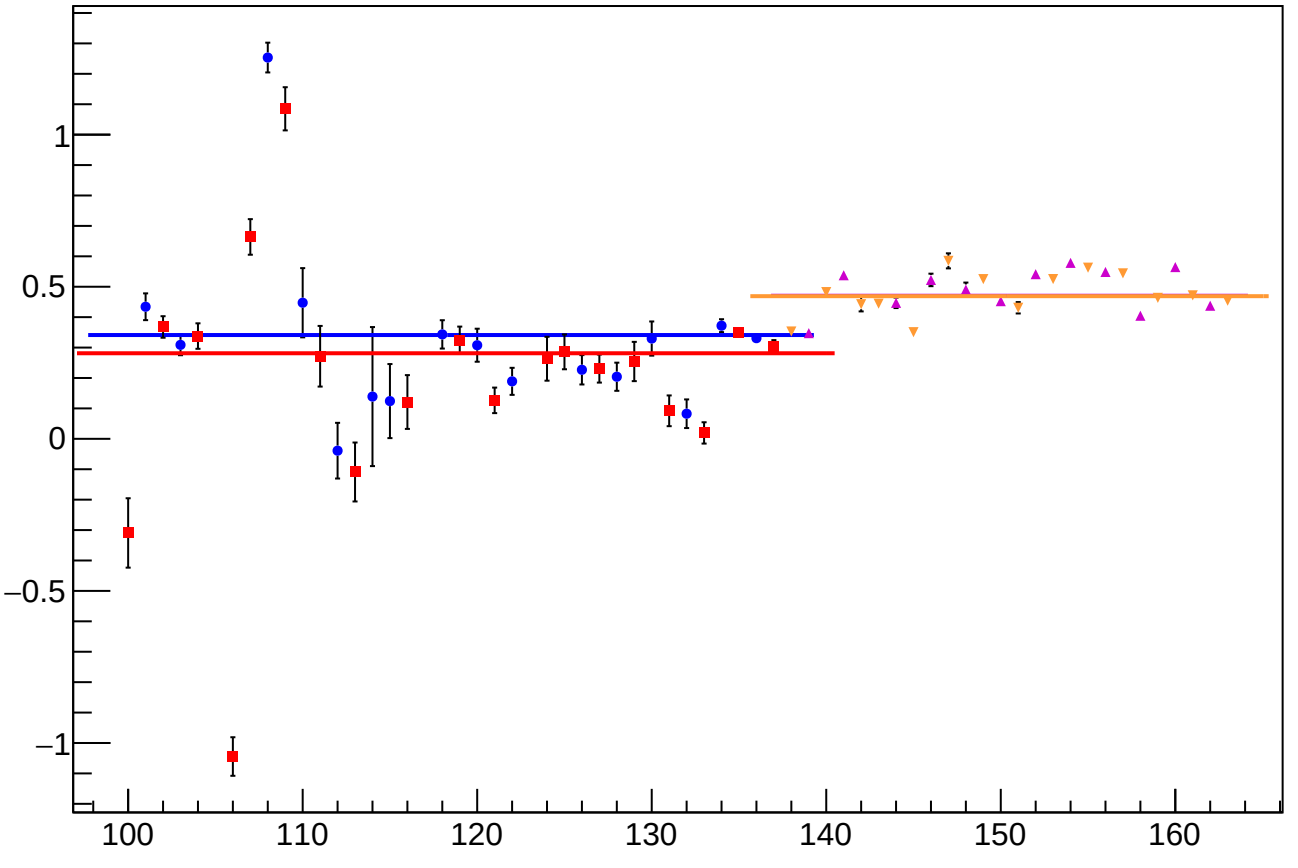
Left: 13.353+/-0.061 χ^2/NDF: 2524.2/25

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 13.463+/-0.076 χ^2/NDF:3659.2/27

Out: 12.756+/-0.074 χ^2/NDF:4549.6/32

All: 13.097+/-0.053 χ^2/NDF: 8253.0/60



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.469+/-0.004 χ^2/NDF:323.4/13

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.470+/-0.004 χ^2/NDF:464.3/11

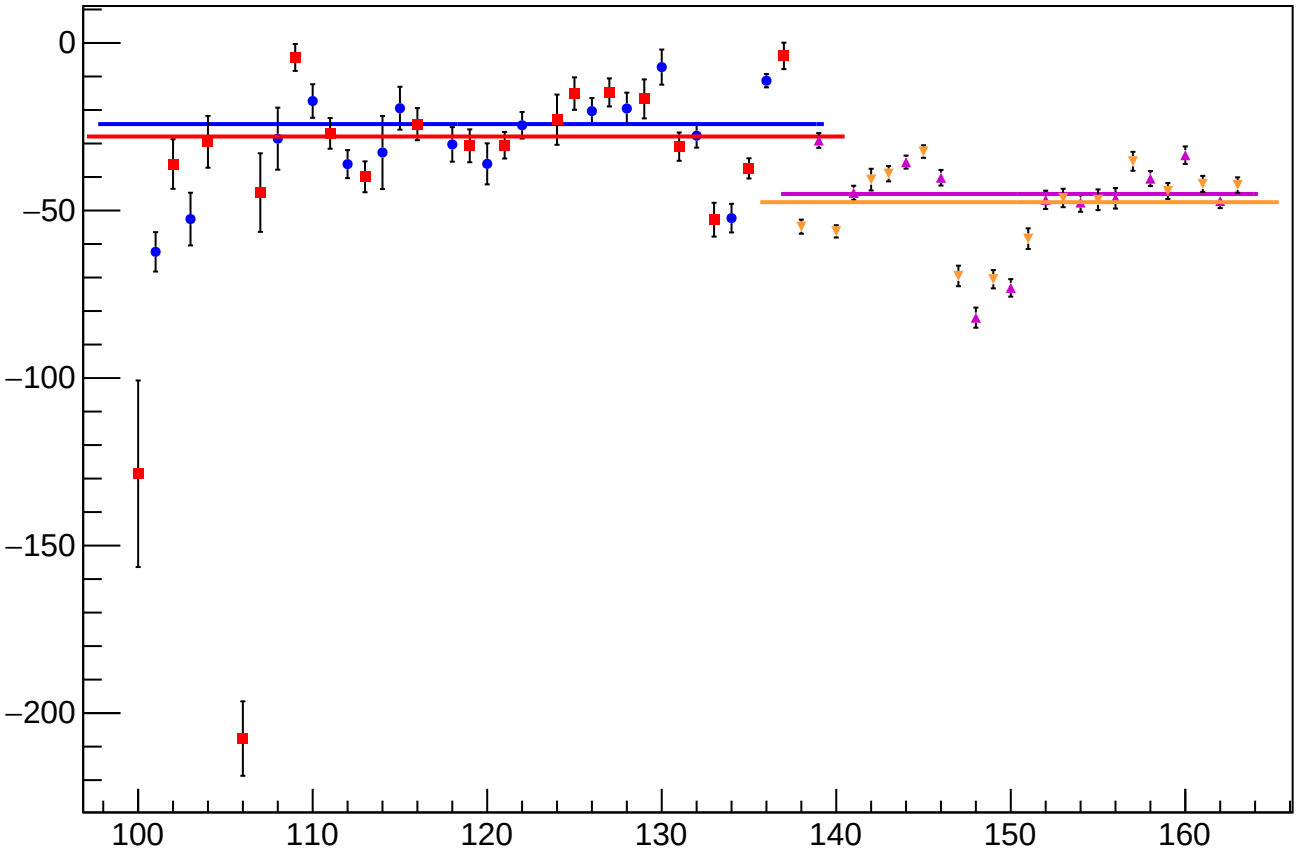
Left: 0.470+/-0.003 χ^2/NDF: 787.8/25

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.446+/-0.003 χ^2/NDF:1118.4/27

Out: 0.439+/-0.003 χ^2/NDF:1513.0/32

All: 0.443+/-0.002 χ^2/NDF: 2634.0/60



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -47.512+/-0.654 χ^2/NDF:283.4/13

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -45.057+/-0.695 χ^2/NDF:372.3/11

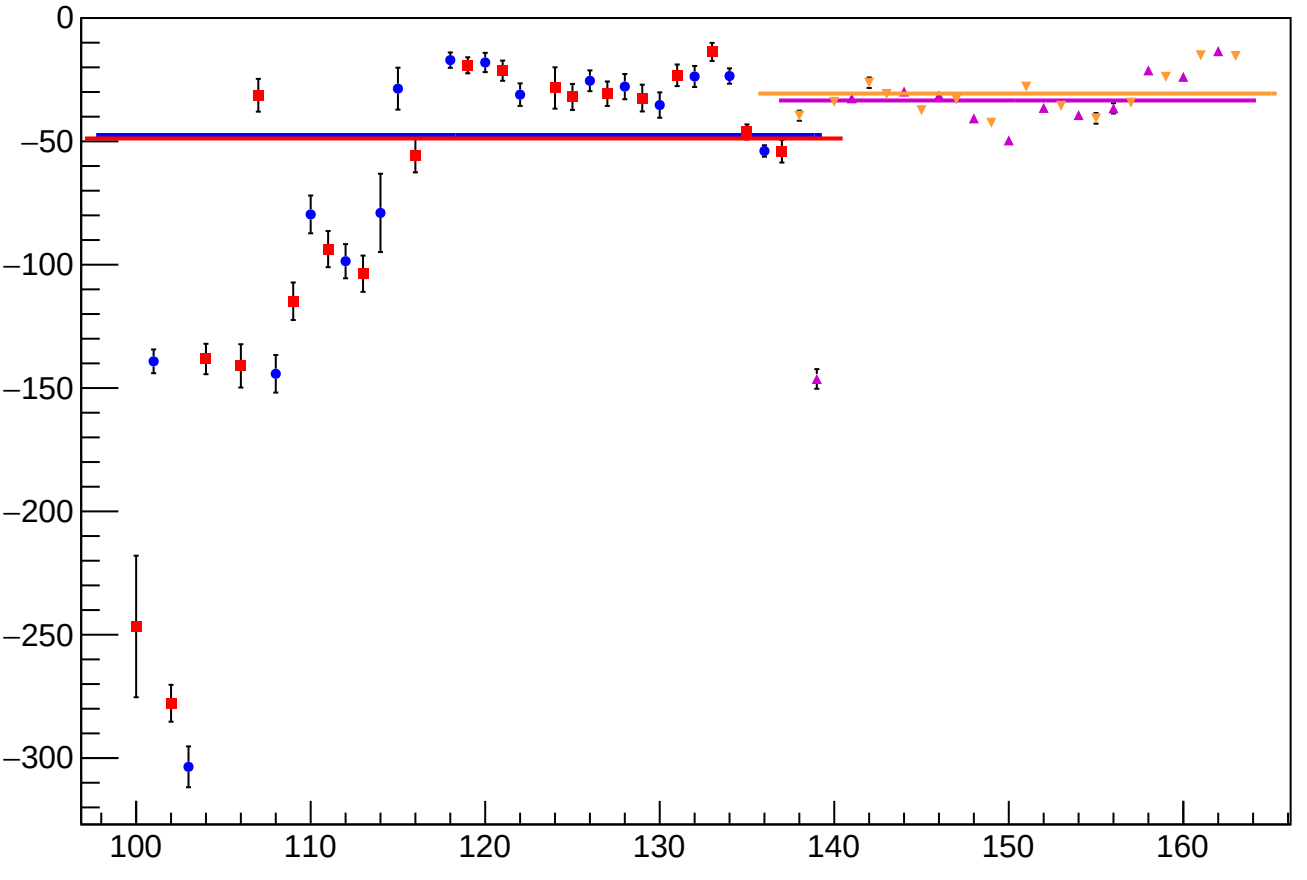
Left: -46.359+/-0.476 χ^2/NDF: 662.4/25

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.000+/-0.586 χ^2/NDF:804.5/27

Out: -42.636+/-0.567 χ^2/NDF:920.2/32

All: -40.876+/-0.407 χ^2/NDF: 1744.6/60



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -30.613+/-0.458 χ^2/NDF:330.6/13

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -33.432+/-0.484 χ^2/NDF:1184.4/11

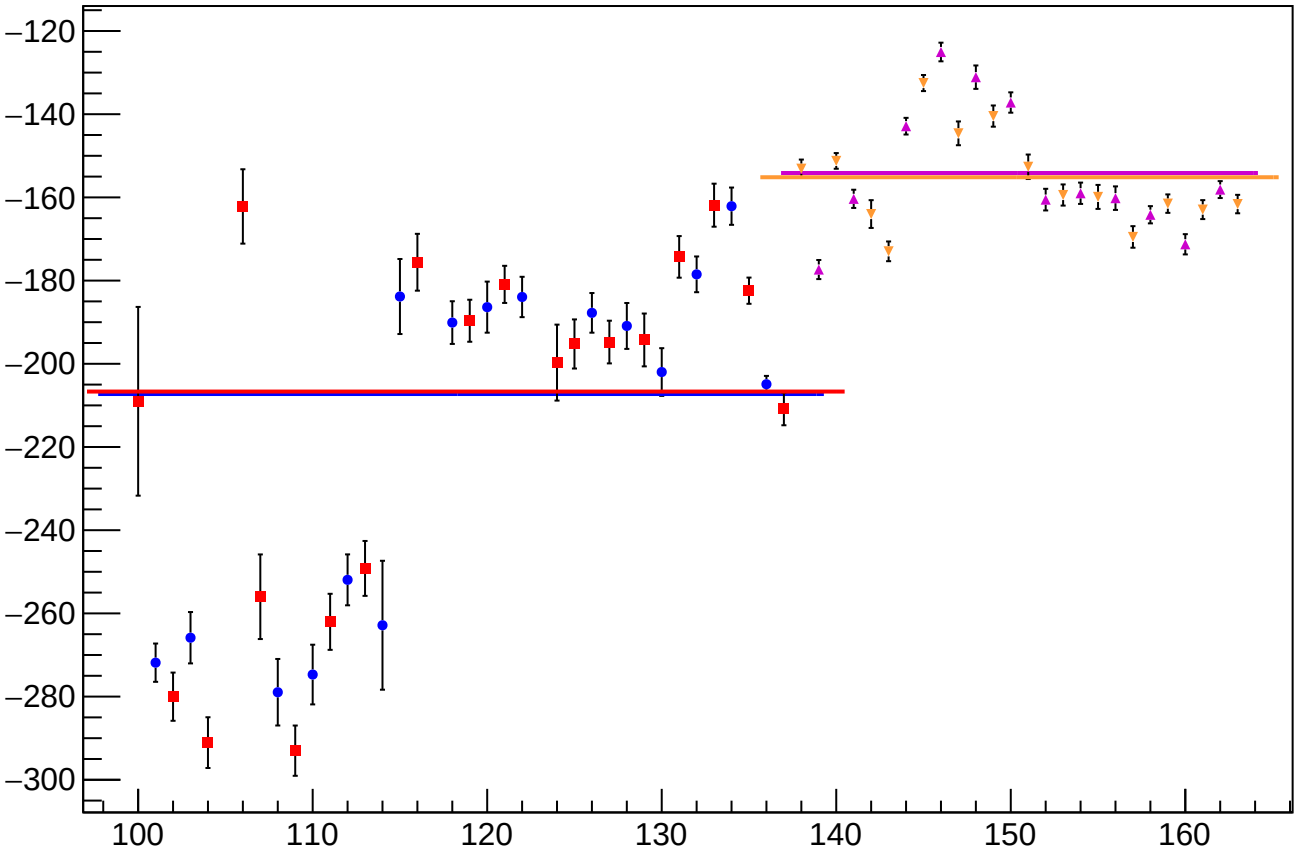
Left: -31.943+/-0.333 χ^2/NDF: 1532.9/25

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -35.698+/-0.443 χ^2/NDF:3193.2/27

Out: -32.987+/-0.427 χ^2/NDF:2311.6/32

All: -34.292+/-0.307 χ^2/NDF: 5524.3/60



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -155.156+/-0.640 χ^2/NDF:317.7/13

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -154.134+/-0.673 χ^2/NDF:516.4/11

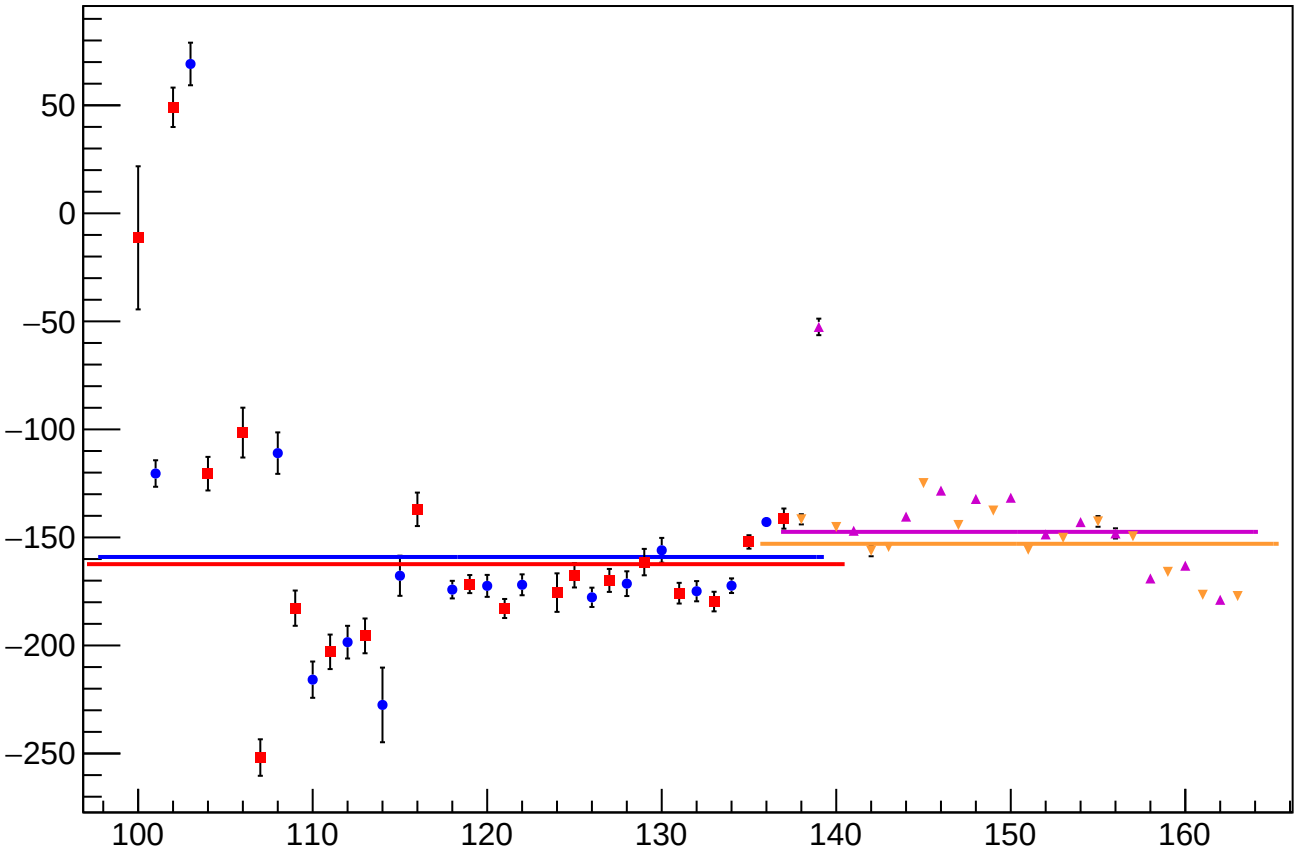
Left: -154.670+/-0.464 χ^2/NDF: 835.4/25

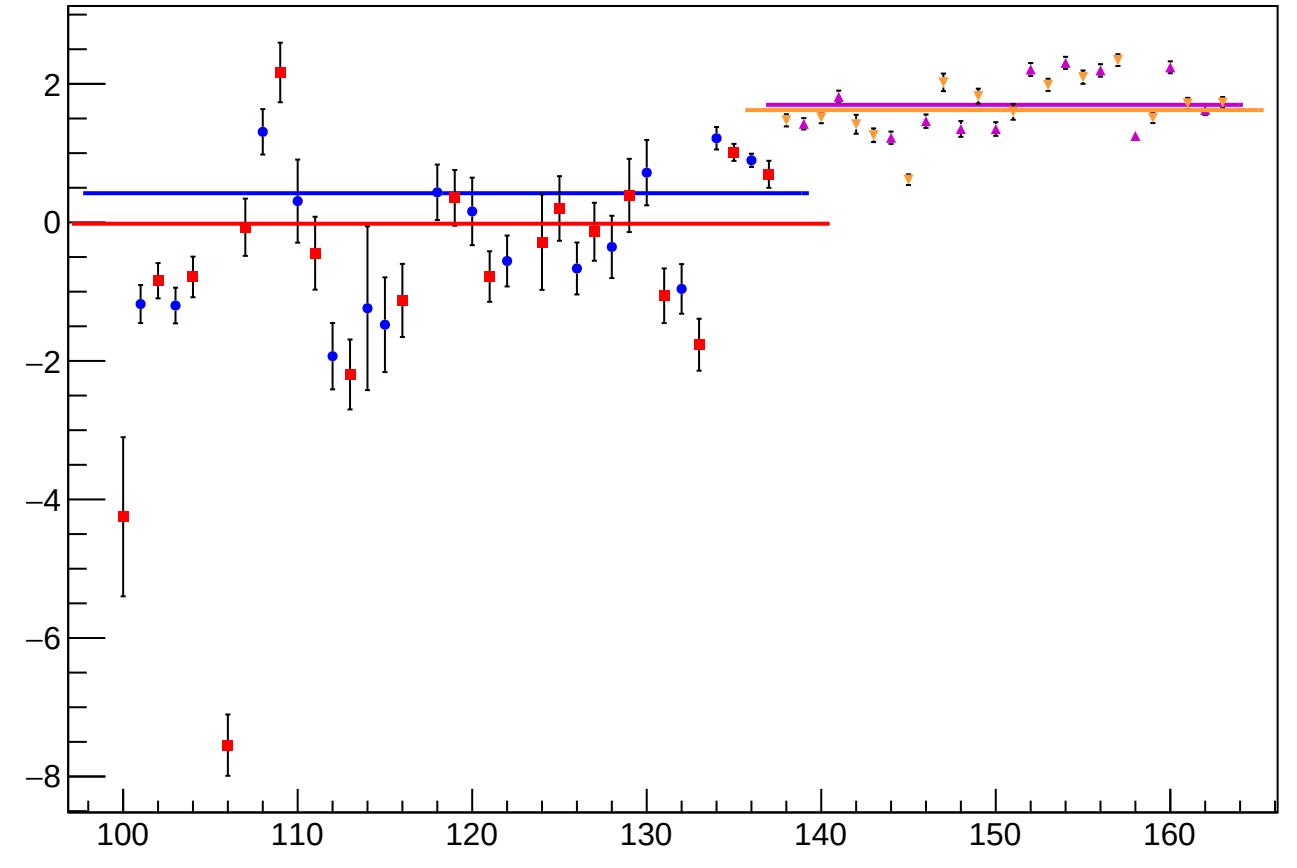
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -167.197+/-0.584 χ^2/NDF:2798.2/27

Out: -165.478+/-0.573 χ^2/NDF:2583.5/32

All: -166.320+/-0.409 χ^2/NDF: 5386.2/60


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -152.948+/-0.532 χ²/NDF:844.1/13
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -147.425+/-0.560 χ²/NDF:1478.4/11
Left: -150.333+/-0.386 χ²/NDF: 2373.7/25
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -149.436+/-0.510 χ²/NDF:2368.6/27
Out: -154.255+/-0.493 χ²/NDF:1760.3/32
All: -151.925+/-0.354 χ²/NDF: 4175.1/60



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.621+/-0.024 χ^2/NDF:325.0/13

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.697+/-0.025 χ^2/NDF:257.4/11

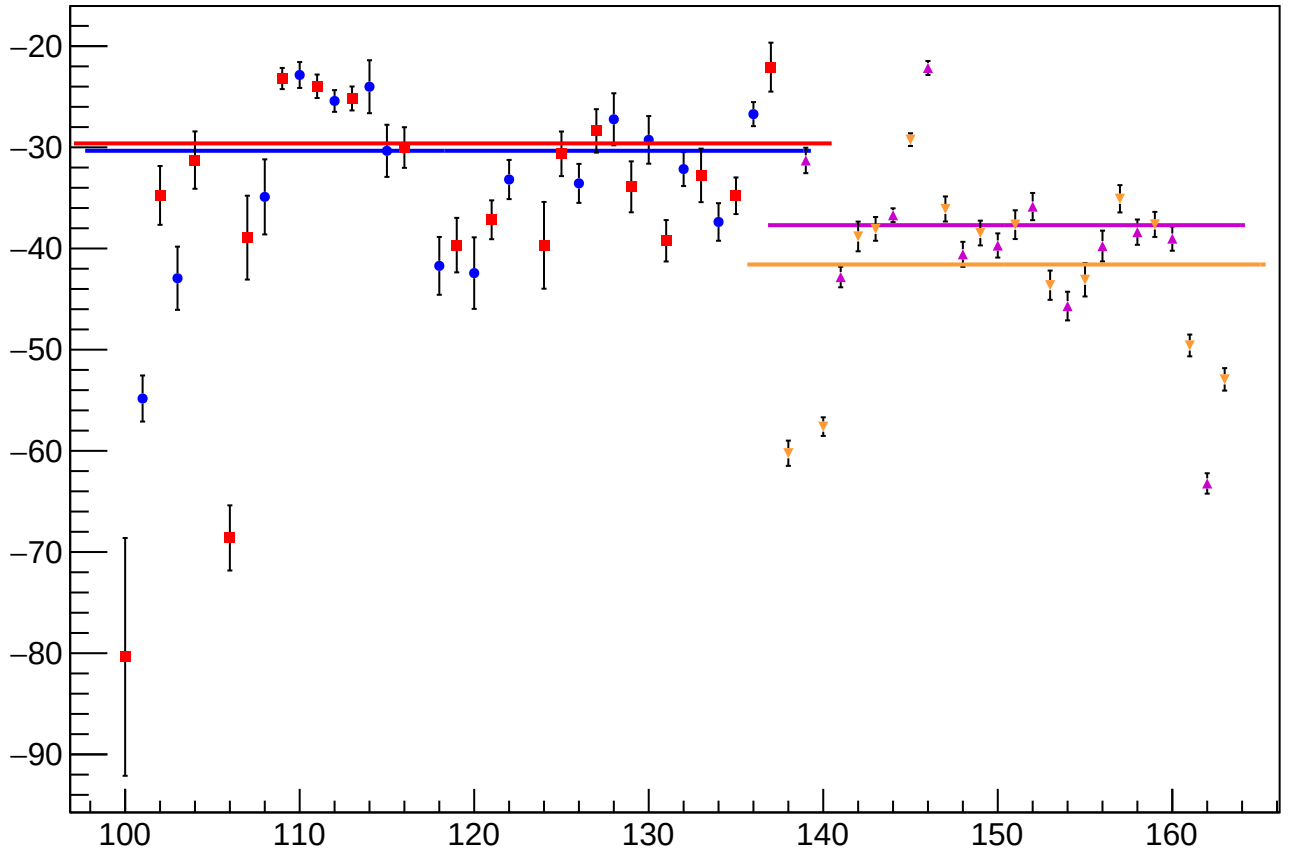
Left: 1.658+/-0.018 χ^2/NDF: 587.0/25

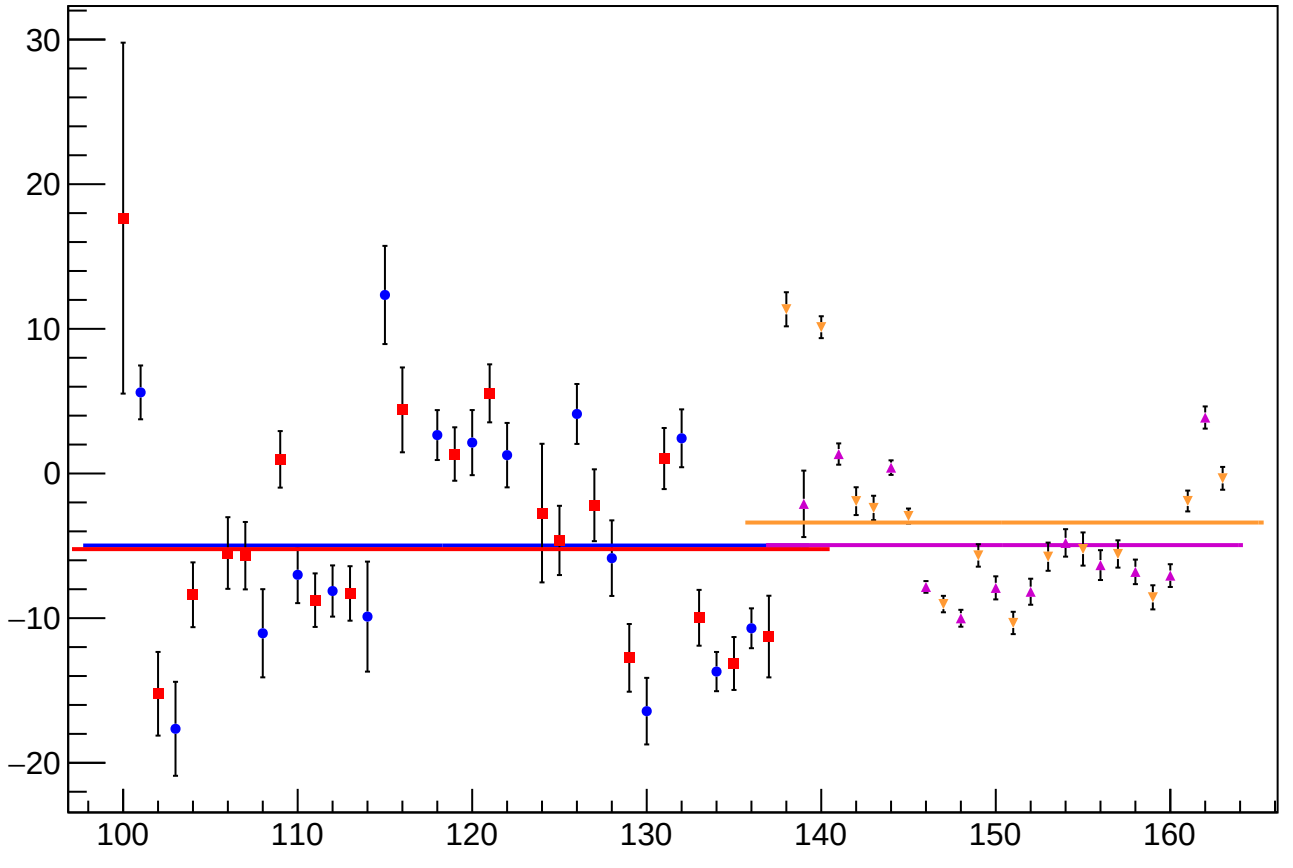
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.528+/-0.024 χ^2/NDF:791.2/27

Out: 1.454+/-0.023 χ^2/NDF:1275.1/32

All: 1.490+/-0.017 χ^2/NDF: 2071.4/60


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -41.579+/-0.301 χ²/NDF:1150.3/13
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -37.694+/-0.302 χ²/NDF:1245.8/11
Left: -39.642+/-0.213 χ²/NDF: 2479.3/25
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -35.535+/-0.254 χ²/NDF:1673.9/27
Out: -37.888+/-0.250 χ²/NDF:1967.5/32
All: -36.727+/-0.178 χ²/NDF: 3685.0/60



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.390+/-0.208 χ^2/NDF:738.9/13

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -4.950+/-0.202 χ^2/NDF:486.6/11

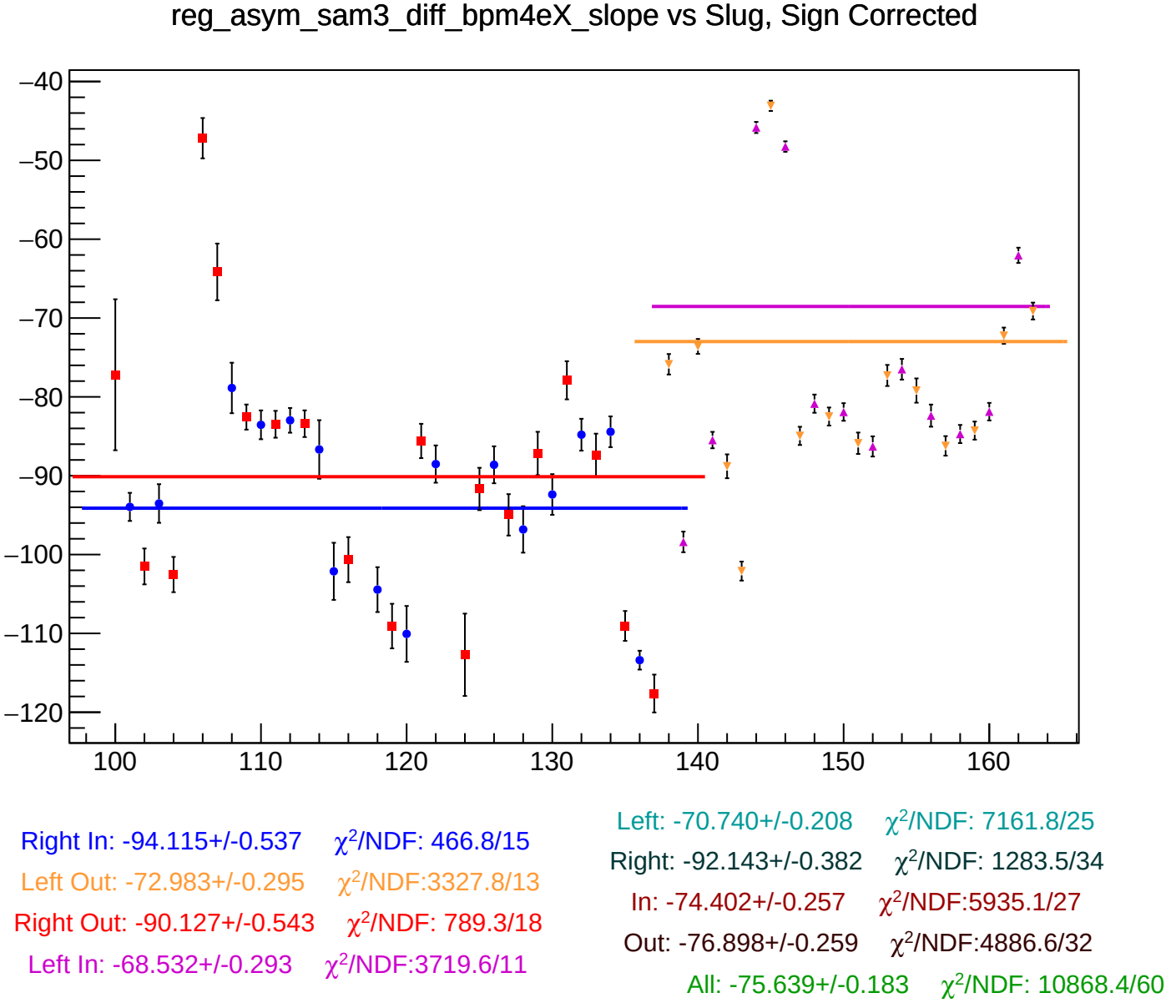
Left: -4.196+/-0.145 χ^2/NDF: 1254.5/25

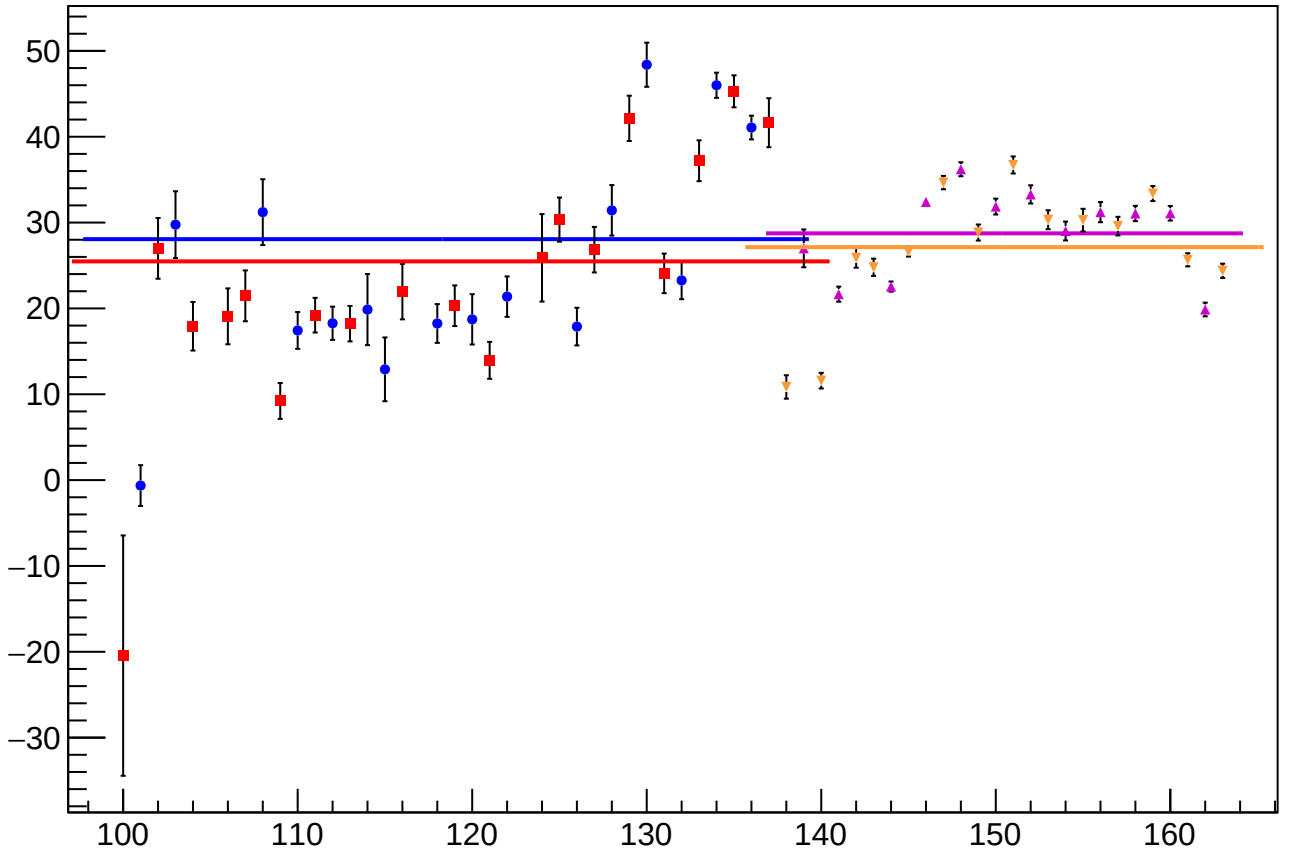
Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -4.954+/-0.188 χ^2/NDF:723.9/27

Out: -3.641+/-0.194 χ^2/NDF:886.0/32

All: -4.319+/-0.135 χ^2/NDF: 1633.7/60


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
Right In: -94.115+/-0.537 χ²/NDF: 466.8/15
Left Out: -72.983+/-0.295 χ²/NDF:3327.8/13
Right Out: -90.127+/-0.543 χ²/NDF: 789.3/18
Left In: -68.532+/-0.293 χ²/NDF:3719.6/11
Left: -70.740+/-0.208 χ²/NDF: 7161.8/25
Right: -92.143+/-0.382 χ²/NDF: 1283.5/34
In: -74.402+/-0.257 χ²/NDF:5935.1/27
Out: -76.898+/-0.259 χ²/NDF:4886.6/32
All: -75.639+/-0.183 χ²/NDF: 10868.4/60



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 27.135+/-0.244 χ^2/NDF:714.2/13

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 28.744+/-0.239 χ^2/NDF:483.5/11

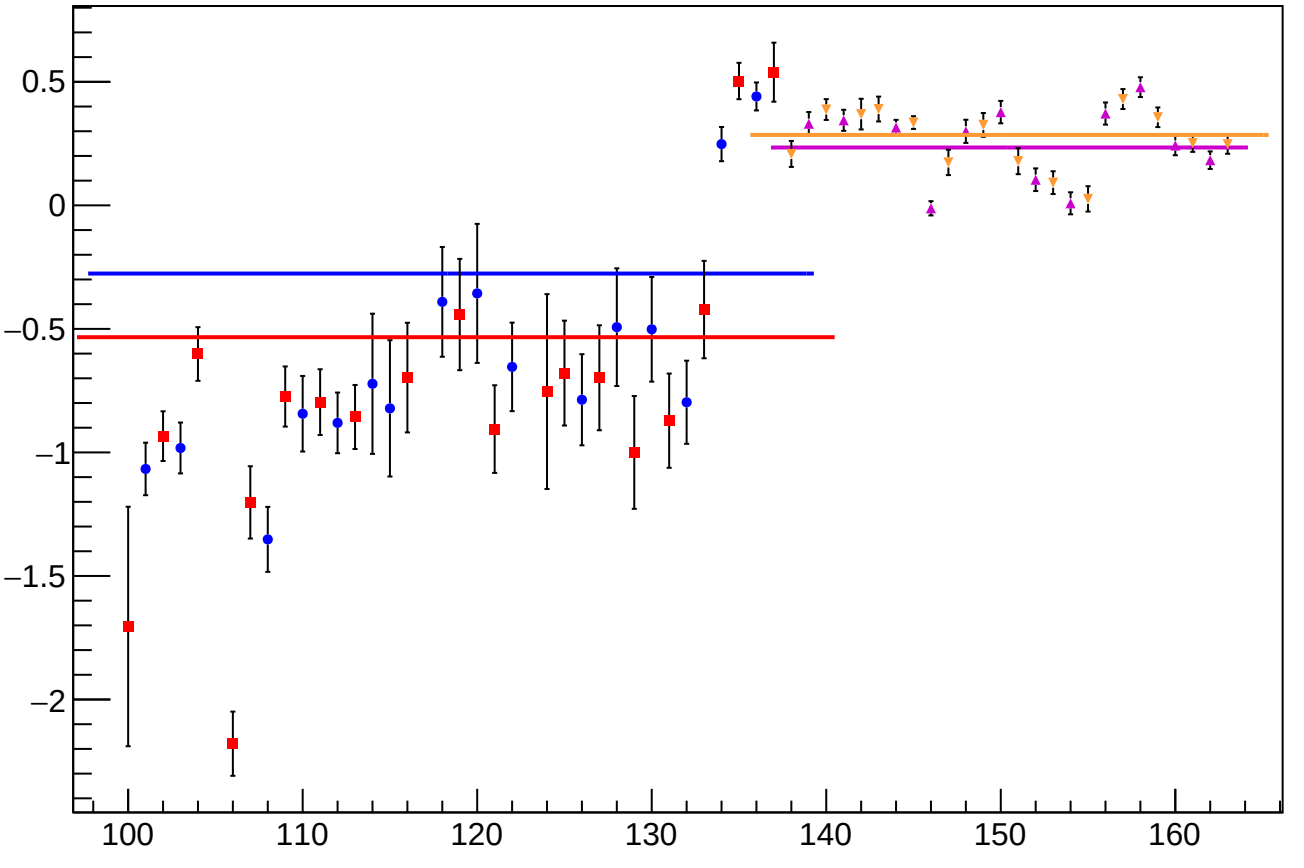
Left: 27.956+/-0.171 χ^2/NDF: 1219.9/25

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 28.643+/-0.220 χ^2/NDF:1067.8/27

Out: 26.894+/-0.225 χ^2/NDF:1075.6/32

All: 27.788+/-0.157 χ^2/NDF: 2174.1/60



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.285+/-0.011 χ^2/NDF:88.3/13

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.234+/-0.011 χ^2/NDF:184.5/11

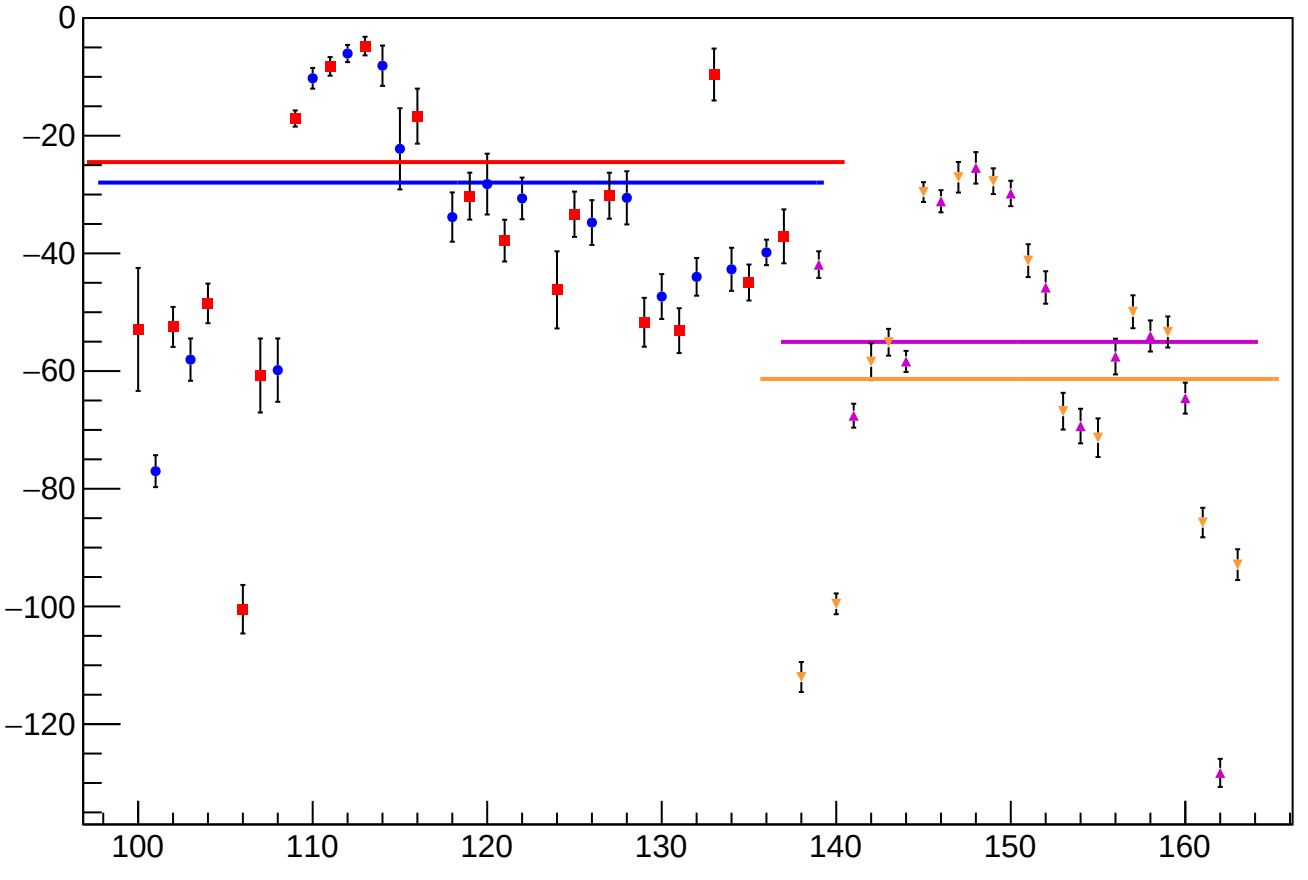
Left: 0.260+/-0.008 χ^2/NDF: 282.9/25

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.172+/-0.011 χ^2/NDF:883.8/27

Out: 0.198+/-0.011 χ^2/NDF:1153.7/32

All: 0.185+/-0.008 χ^2/NDF: 2040.4/60



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -61.337+/-0.648 χ^2/NDF:1969.9/13

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -55.044+/-0.674 χ^2/NDF:1482.8/11

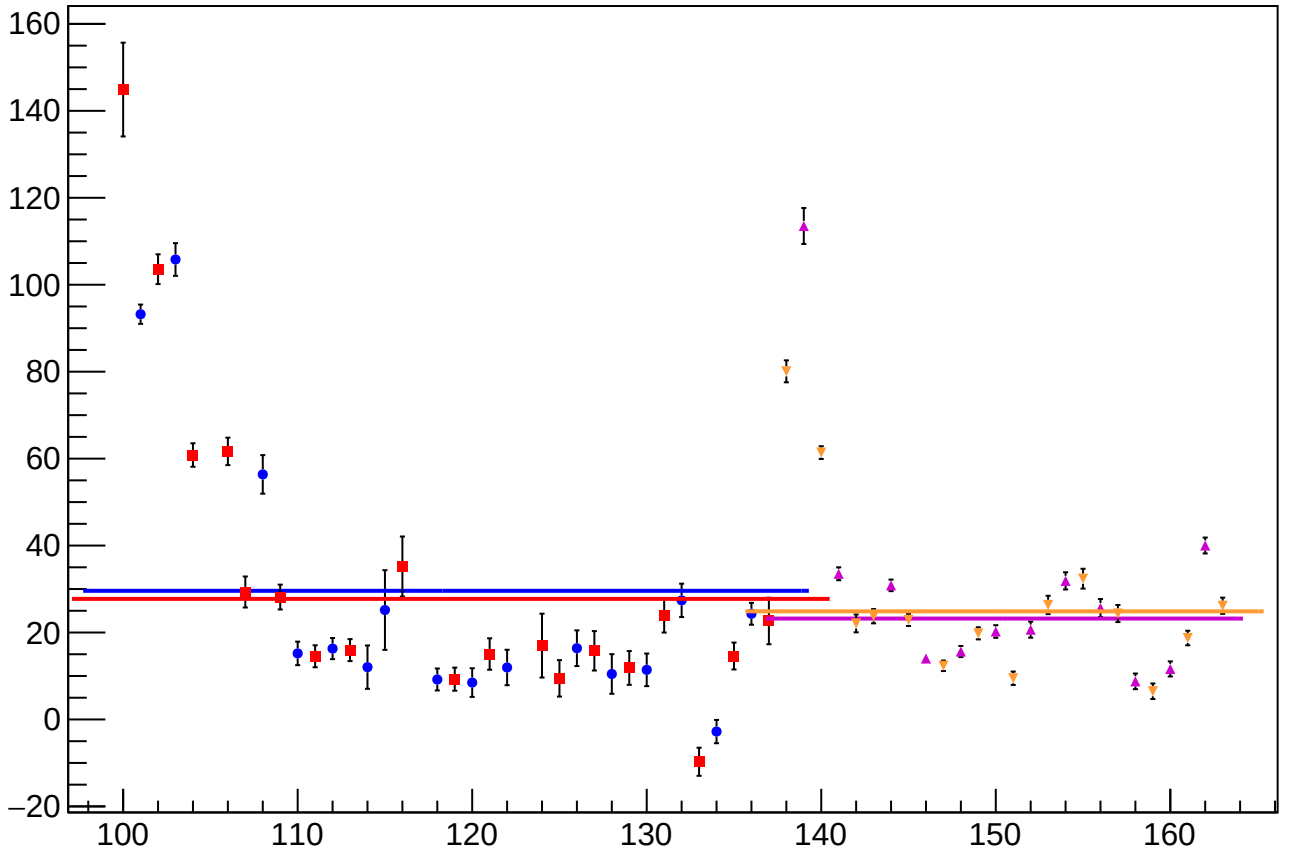
Left: -58.314+/-0.467 χ^2/NDF: 3498.1/25

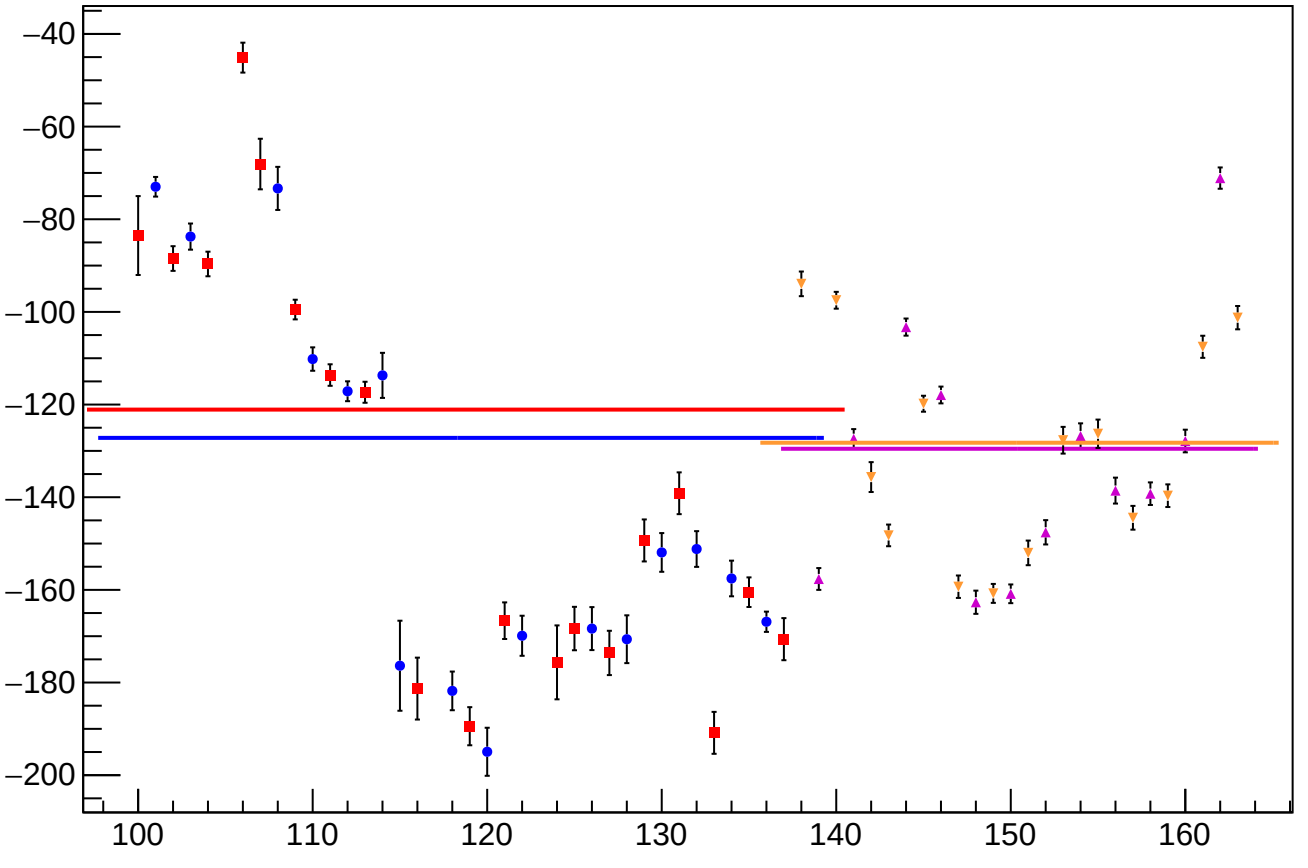
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -42.543+/-0.494 χ^2/NDF:3123.0/27

Out: -43.333+/-0.463 χ^2/NDF:4540.4/32

All: -42.964+/-0.338 χ^2/NDF: 7664.8/60


reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 29.594+/-0.807 χ²/NDF: 1665.7/15
Left Out: 24.871+/-0.448 χ²/NDF:1453.2/13
Right Out: 27.736+/-0.797 χ²/NDF: 1185.1/18
Left In: 23.209+/-0.464 χ²/NDF:875.6/11
Left: 24.069+/-0.322 χ²/NDF: 2335.4/25
Right: 28.653+/-0.567 χ²/NDF: 2853.5/34
In: 24.795+/-0.402 χ²/NDF:2588.3/27
Out: 25.558+/-0.390 χ²/NDF:2648.1/32
All: 25.188+/-0.280 χ²/NDF: 5238.2/60



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -128.239+/-0.634 χ^2/NDF:1305.2/13

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -129.542+/-0.653 χ^2/NDF:1522.4/11

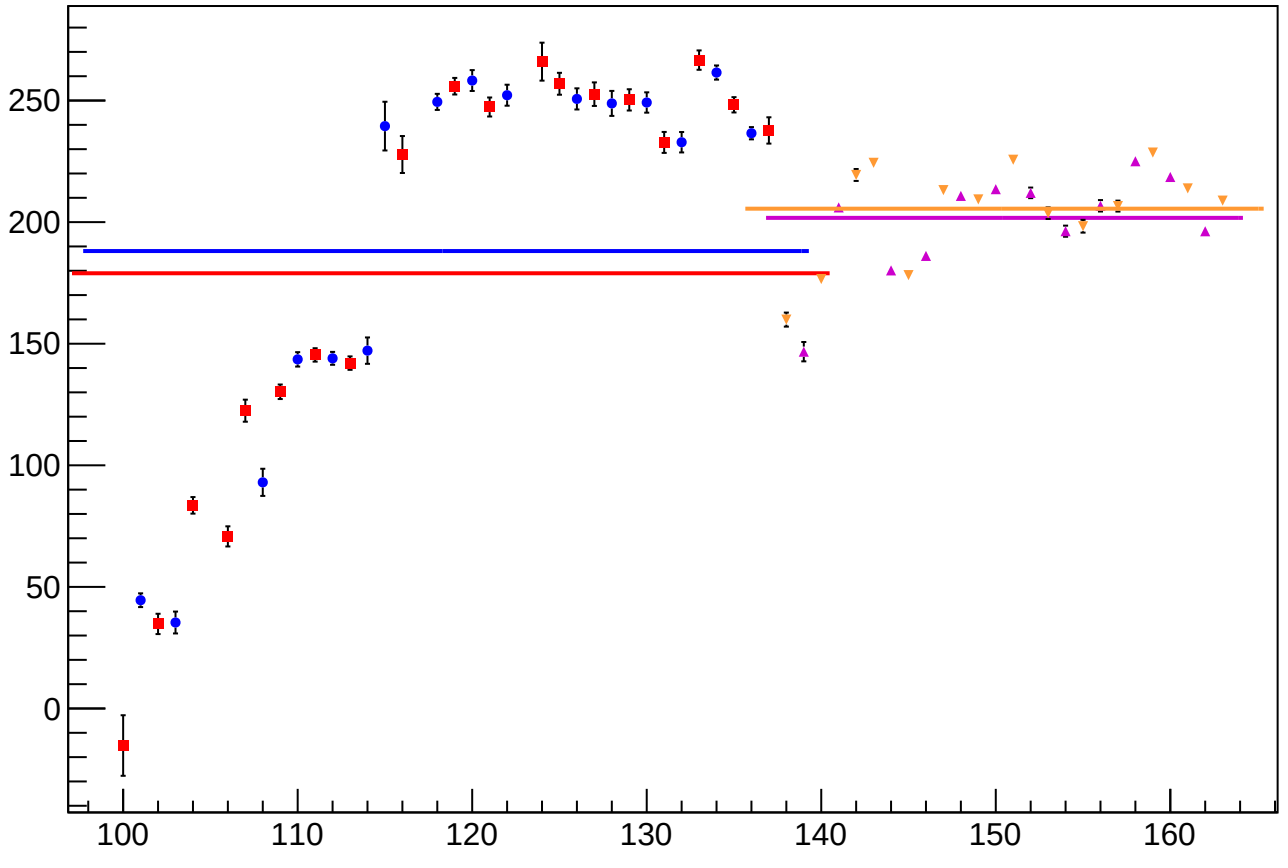
Left: -128.871+/-0.455 χ^2/NDF: 2829.6/25

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -128.642+/-0.513 χ^2/NDF:3705.5/27

Out: -125.472+/-0.496 χ^2/NDF:3751.8/32

All: -127.004+/-0.357 χ^2/NDF: 7477.0/60



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 205.529+/-0.526 χ^2/NDF:1252.5/13

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 201.753+/-0.543 χ^2/NDF:859.7/11

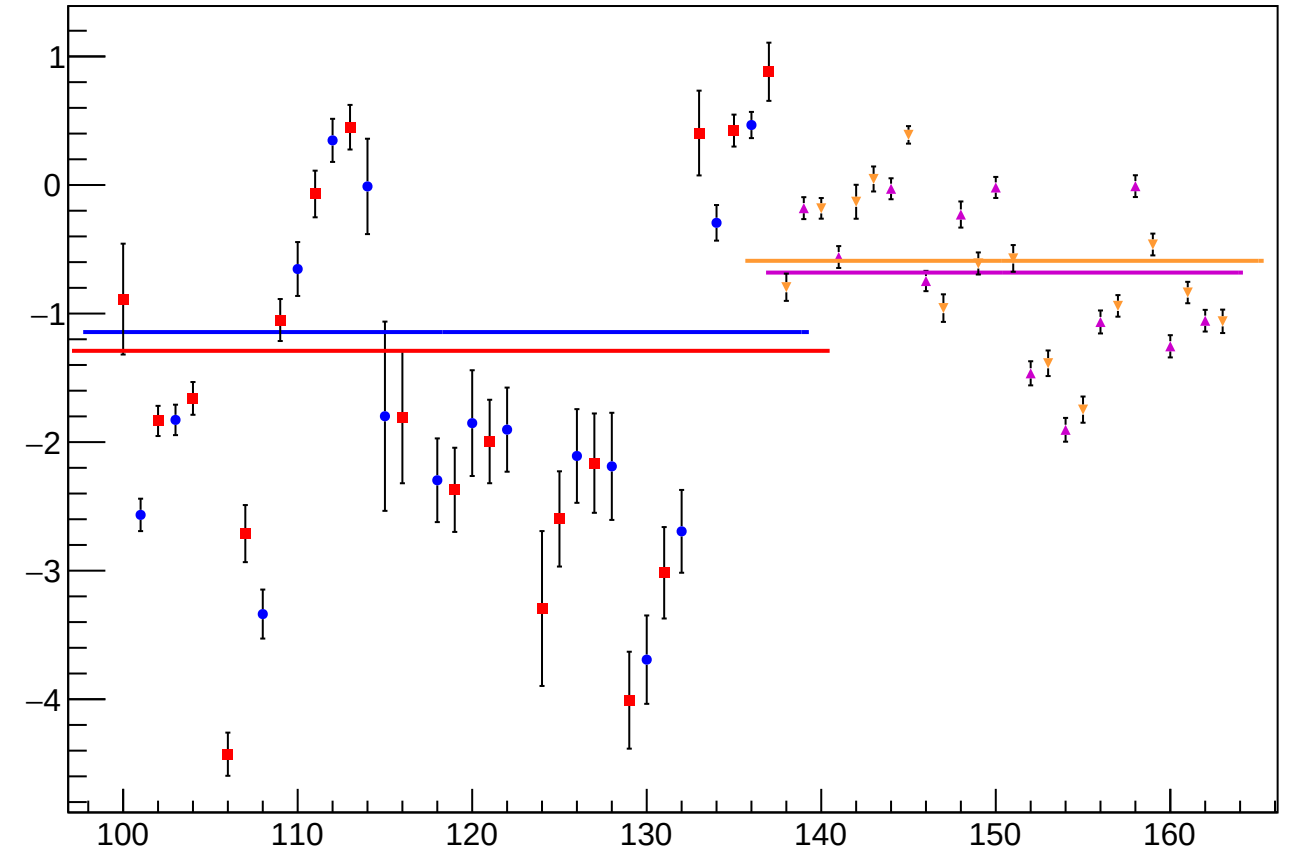
Left: 203.703+/-0.378 χ^2/NDF: 2137.2/25

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 198.216+/-0.467 χ^2/NDF:8142.0/27

Out: 198.867+/-0.455 χ^2/NDF:8562.1/32

All: 198.550+/-0.326 χ^2/NDF: 16705.2/60



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.590+/-0.024 χ^2/NDF:551.3/13

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.681+/-0.025 χ^2/NDF:575.6/11

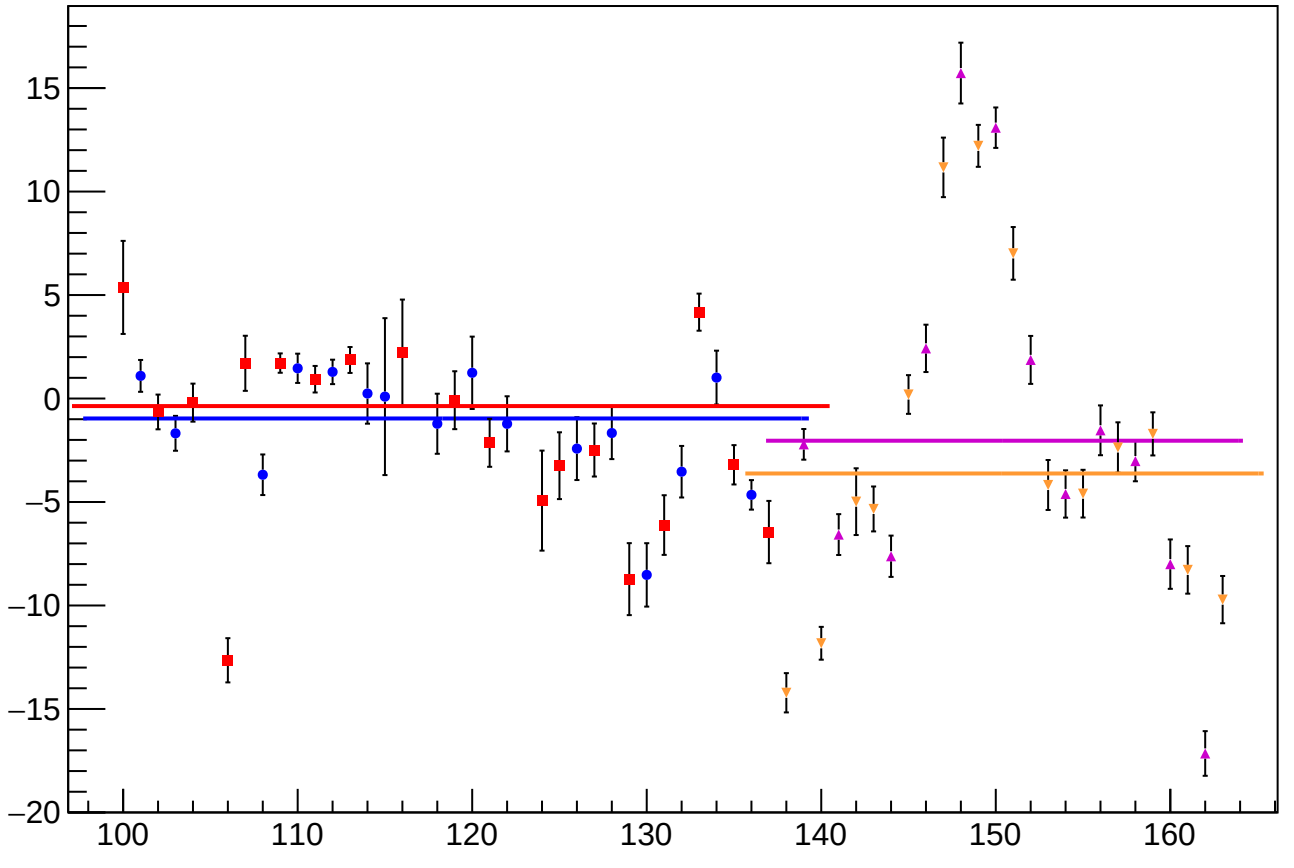
Left: -0.634+/-0.017 χ^2/NDF: 1133.8/25

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.780+/-0.022 χ^2/NDF:1436.1/27

Out: -0.736+/-0.022 χ^2/NDF:1721.8/32

All: -0.758+/-0.016 χ^2/NDF: 3159.9/60



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -3.622+/-0.292 χ^2/NDF:721.4/13

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -2.039+/-0.302 χ^2/NDF:692.5/11

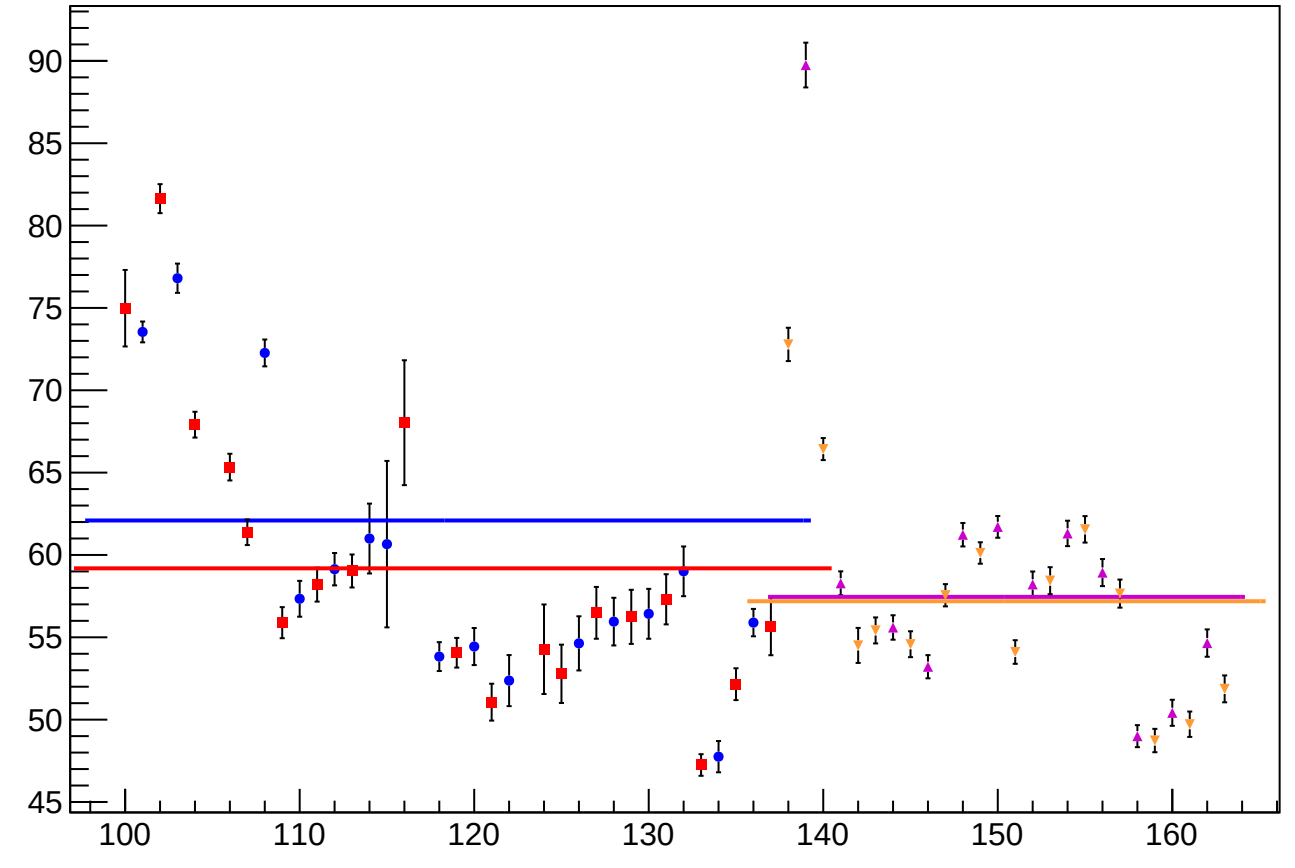
Left: -2.858+/-0.210 χ^2/NDF: 1428.0/25

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -1.407+/-0.194 χ^2/NDF:803.1/27

Out: -1.569+/-0.178 χ^2/NDF:1080.3/32

All: -1.495+/-0.131 χ^2/NDF: 1883.8/60



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 57.190+/-0.207 χ^2/NDF:799.9/13

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.455+/-0.220 χ^2/NDF:957.5/11

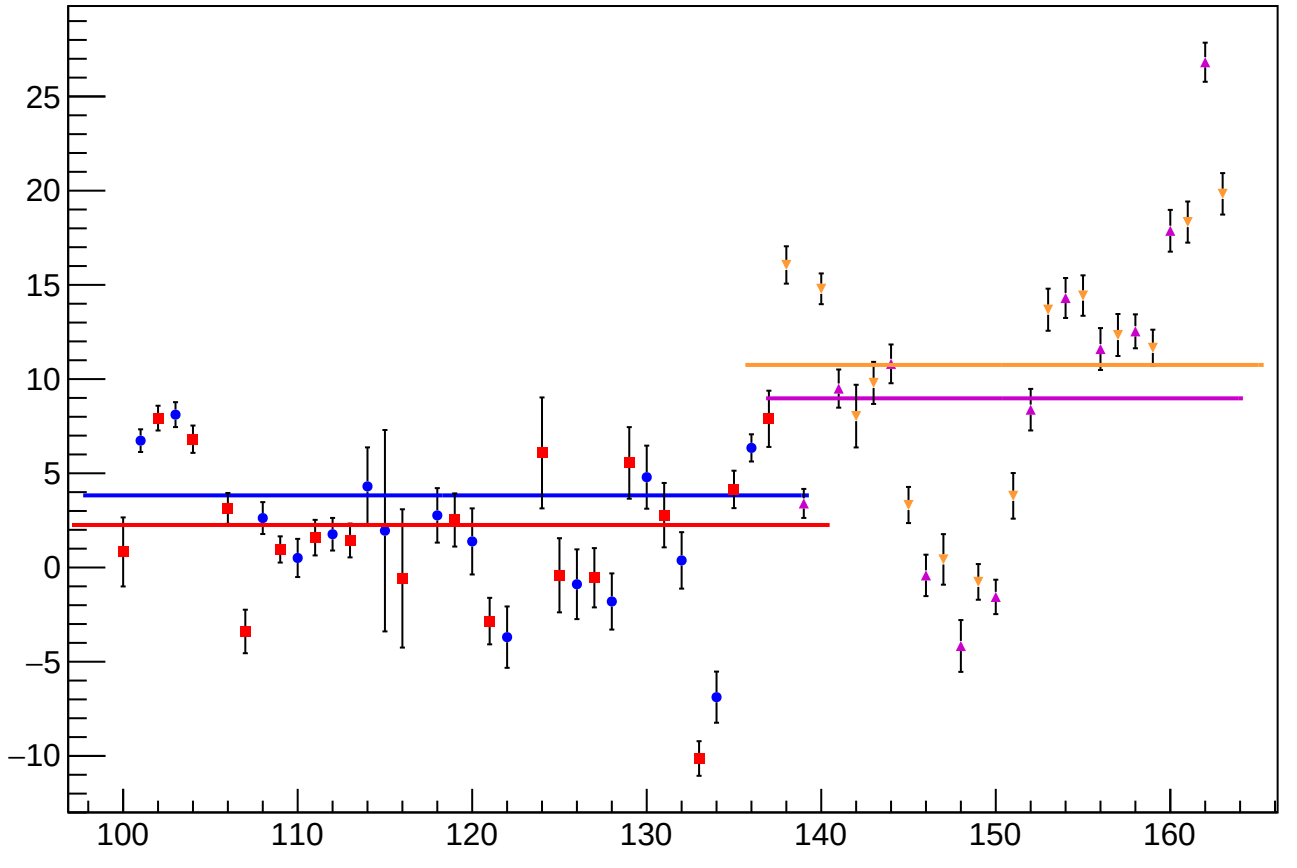
Left: 57.314+/-0.151 χ^2/NDF: 1758.1/25

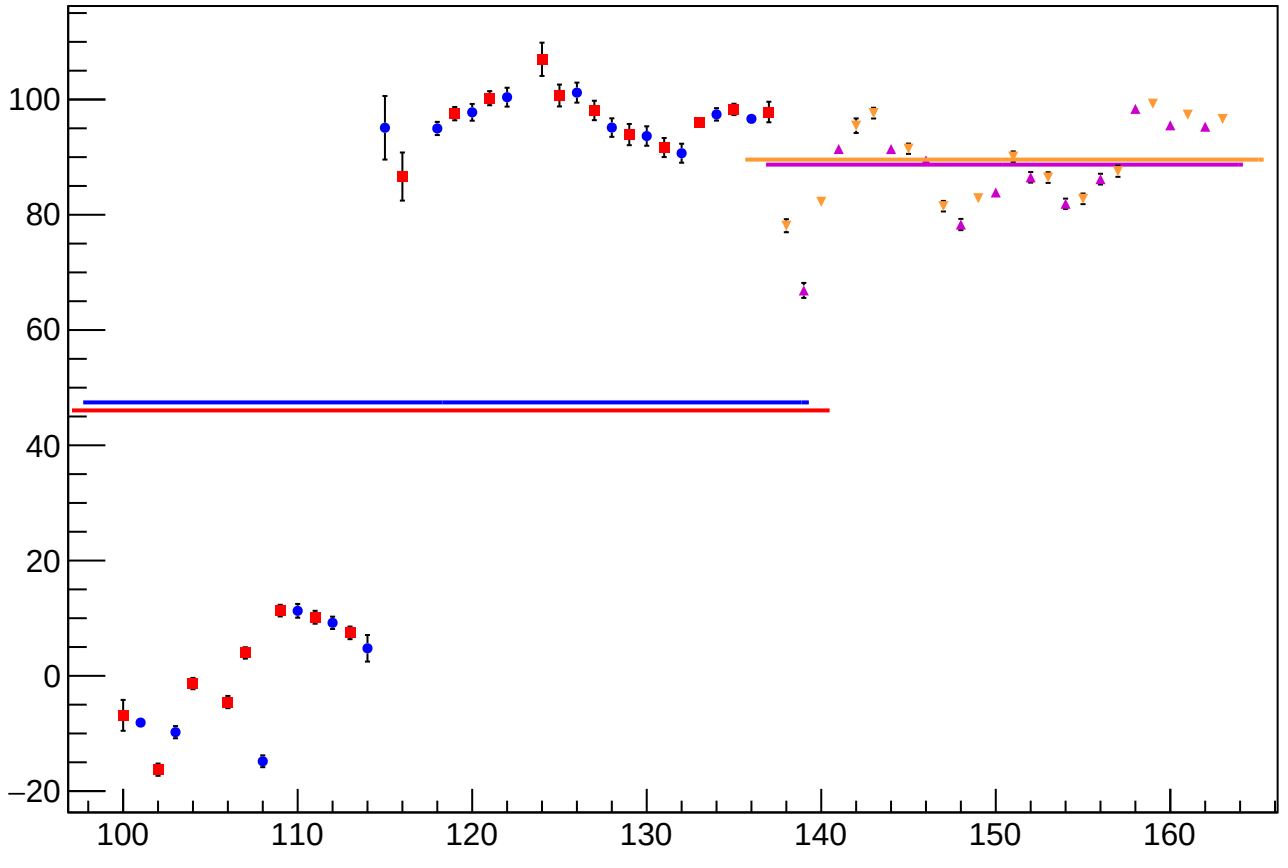
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 59.347+/-0.169 χ^2/NDF:2439.7/27

Out: 58.026+/-0.158 χ^2/NDF:2241.1/32

All: 58.639+/-0.115 χ^2/NDF: 4713.3/60


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 10.751+/-0.285 χ²/NDF:494.5/13
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 8.978+/-0.293 χ²/NDF:760.2/11
Left: 9.890+/-0.204 χ²/NDF: 1273.5/25
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 6.149+/-0.197 χ²/NDF:1138.7/27
Out: 5.896+/-0.186 χ²/NDF:1375.3/32
All: 6.016+/-0.135 χ²/NDF: 2514.8/60



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 89.572+/-0.239 χ^2/NDF:837.1/13

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 88.700+/-0.252 χ^2/NDF:836.2/11

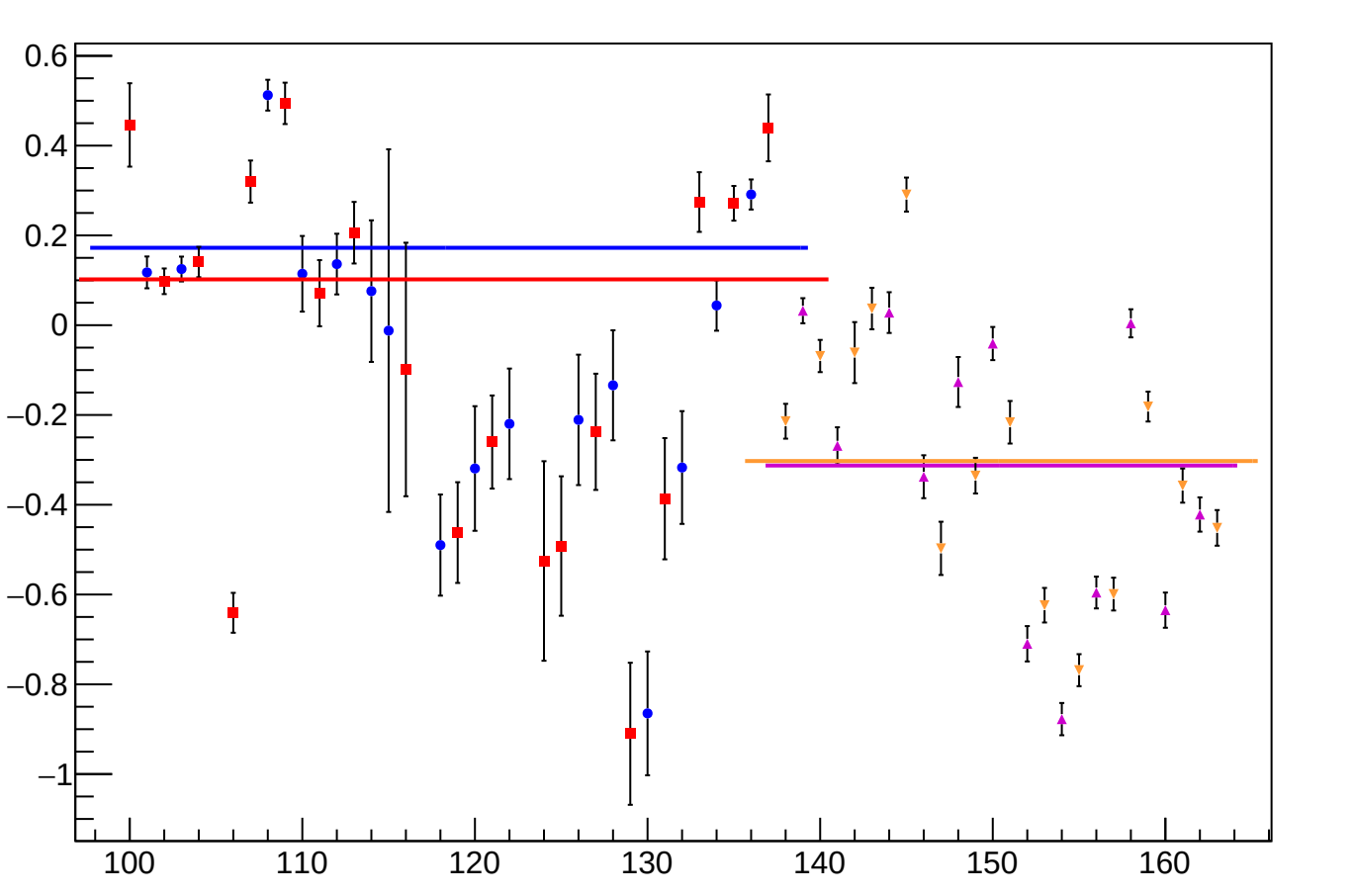
Left: 89.159+/-0.174 χ^2/NDF: 1679.6/25

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 72.138+/-0.195 χ^2/NDF:38459.2/27

Out: 71.535+/-0.183 χ^2/NDF:43442.1/32

All: 71.817+/-0.134 χ^2/NDF: 81906.4/60



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.303+/-0.011 χ^2/NDF:710.2/13

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.313+/-0.011 χ^2/NDF:865.7/11

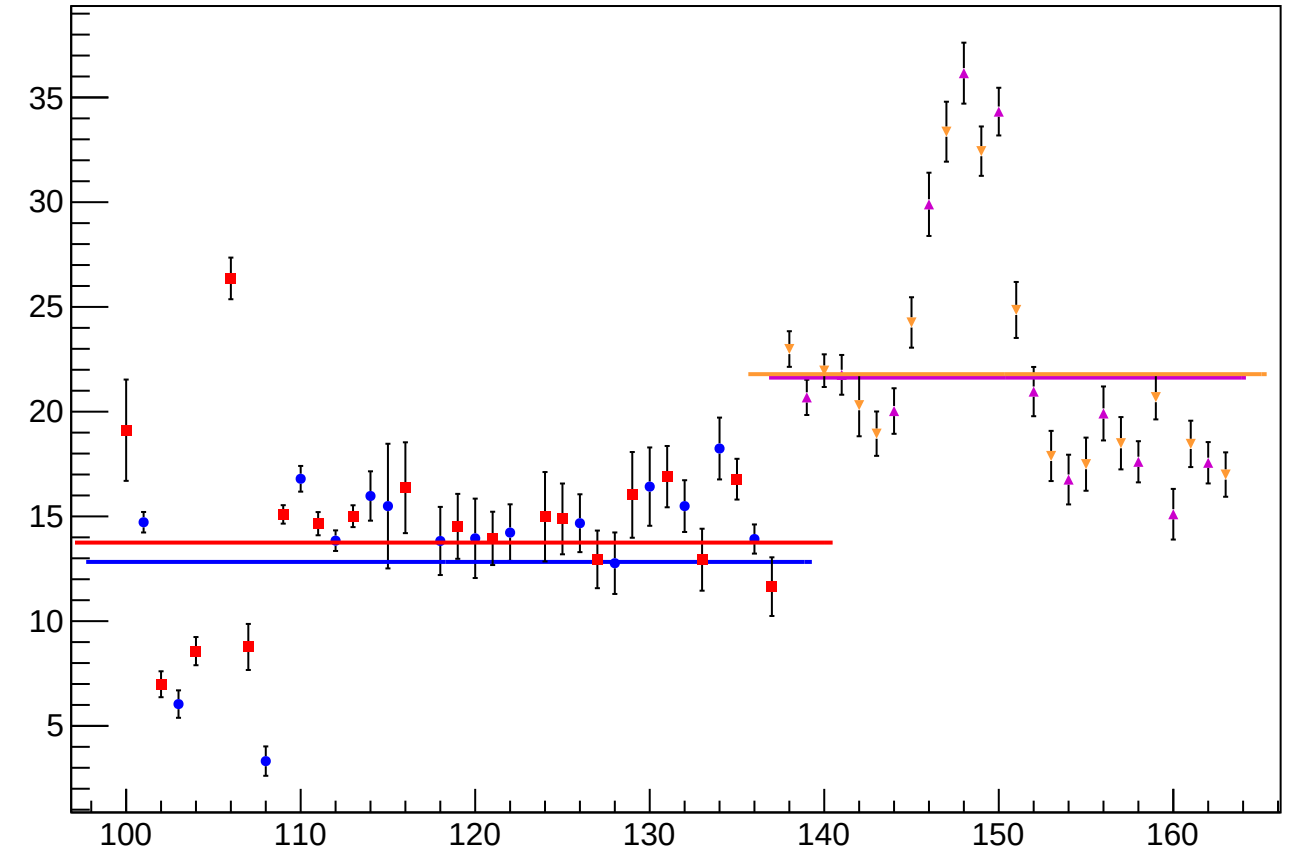
Left: -0.308+/-0.008 χ^2/NDF: 1576.4/25

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.132+/-0.009 χ^2/NDF:1868.0/27

Out: -0.145+/-0.008 χ^2/NDF:1820.4/32

All: -0.138+/-0.006 χ^2/NDF: 3689.5/60



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.791+/-0.296 χ^2/NDF:226.3/13

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.625+/-0.319 χ^2/NDF:339.3/11

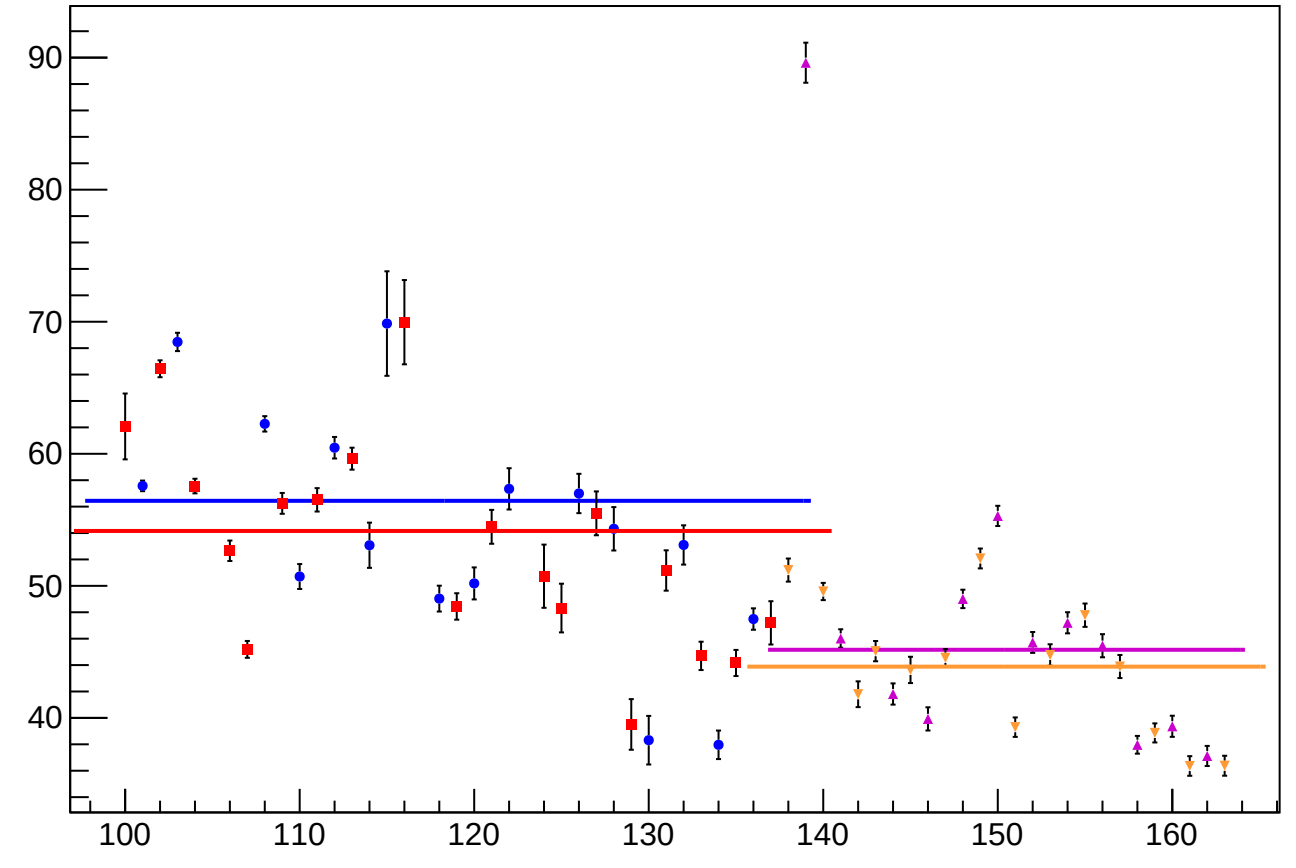
Left: 21.714+/-0.217 χ^2/NDF: 565.7/25

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.559+/-0.178 χ^2/NDF:1251.9/27

Out: 16.337+/-0.168 χ^2/NDF:1129.4/32

All: 15.970+/-0.122 χ^2/NDF: 2391.4/60



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.881+/-0.209 χ^2/NDF:581.1/13

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 45.160+/-0.229 χ^2/NDF:1404.8/11

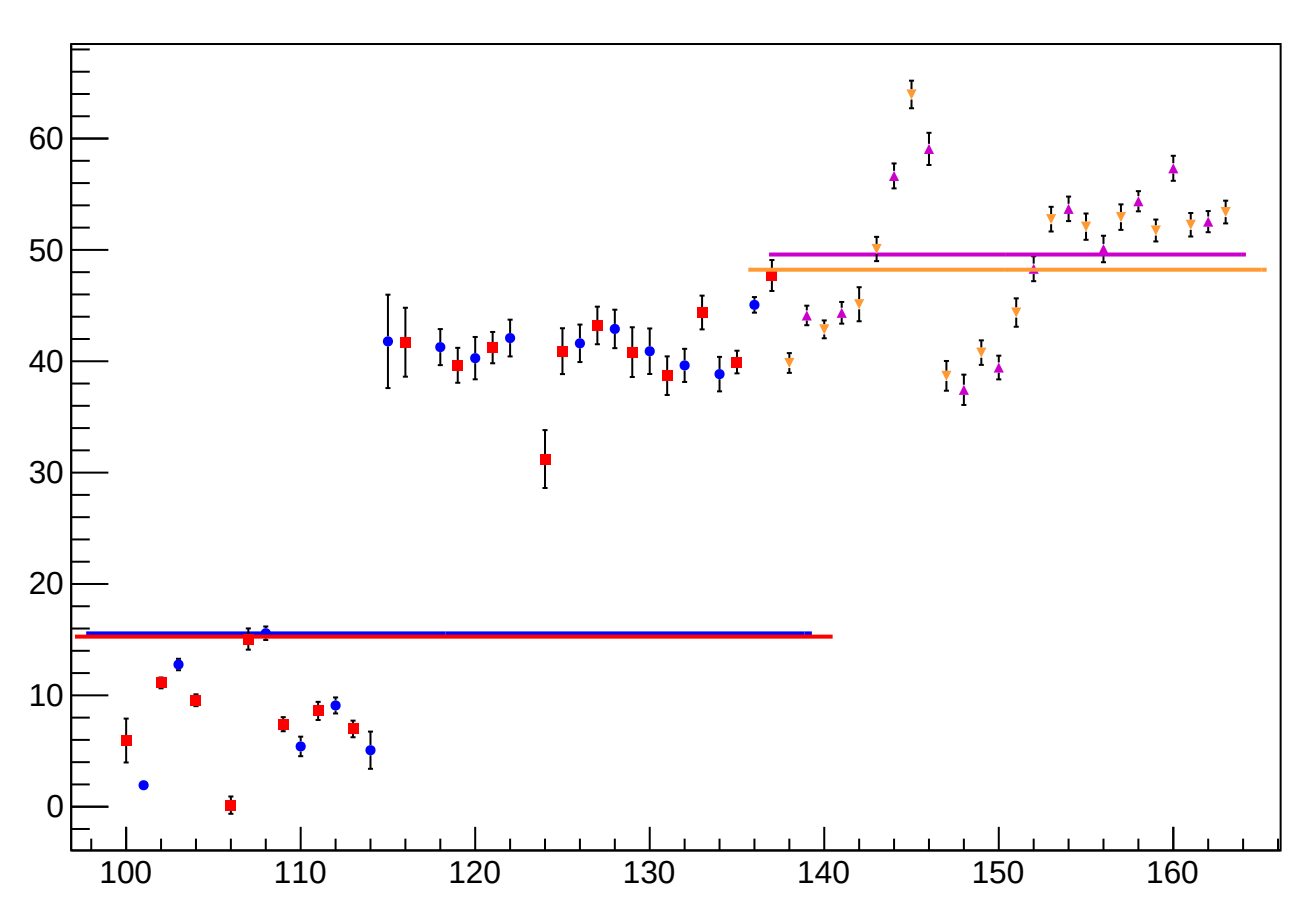
Left: 44.463+/-0.154 χ^2/NDF: 2002.8/25

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 50.977+/-0.159 χ^2/NDF:3744.5/27

Out: 48.654+/-0.153 χ^2/NDF:2709.0/32

All: 49.769+/-0.110 χ^2/NDF: 6564.1/60



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 48.221+/-0.290 χ^2/NDF:505.5/13

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 49.585+/-0.309 χ^2/NDF:421.7/11

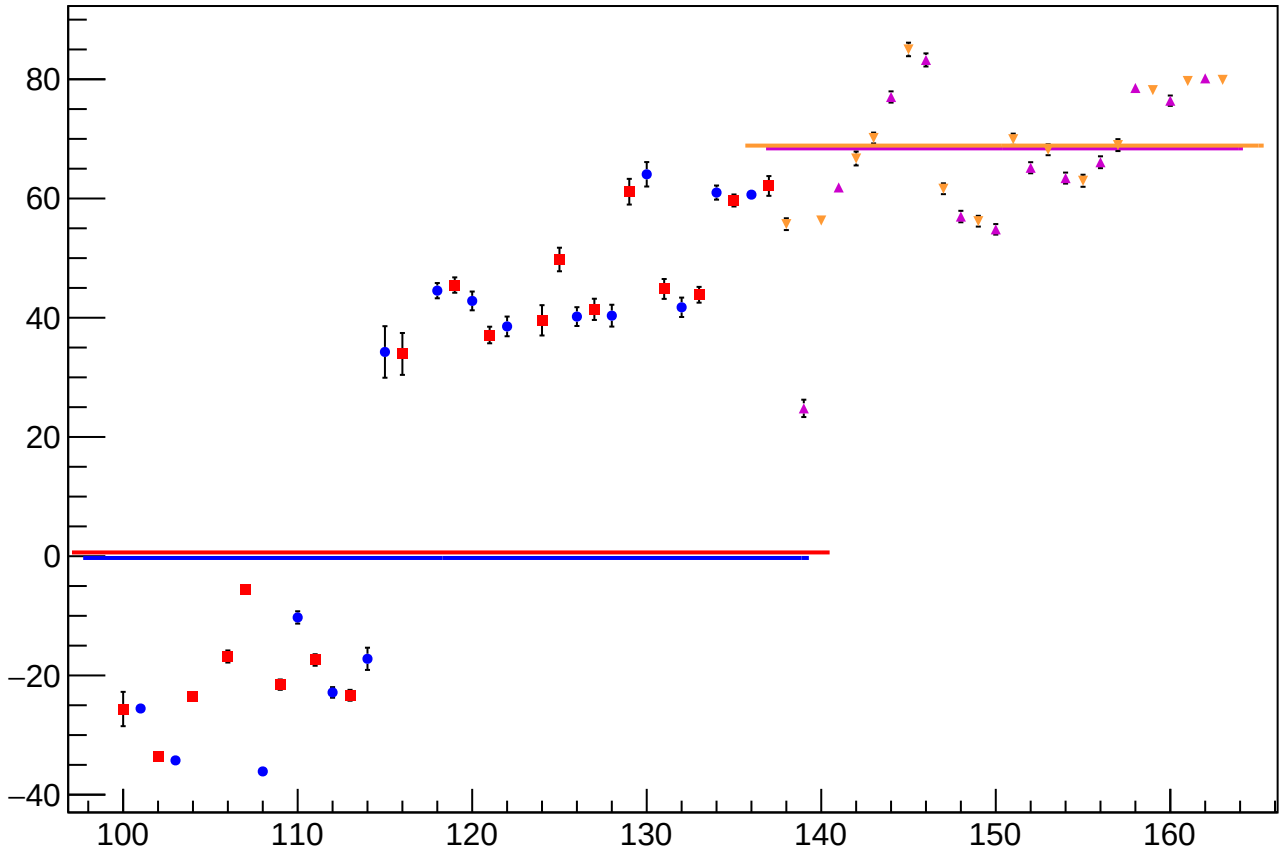
Left: 48.860+/-0.211 χ^2/NDF: 937.6/25

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 26.611+/-0.176 χ^2/NDF:13807.8/27

Out: 27.273+/-0.175 χ^2/NDF:12613.2/32

All: 26.944+/-0.124 χ^2/NDF: 26428.1/60



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 68.873+/-0.242 χ^2/NDF:1468.9/13

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 68.405+/-0.262 χ^2/NDF:2163.2/11

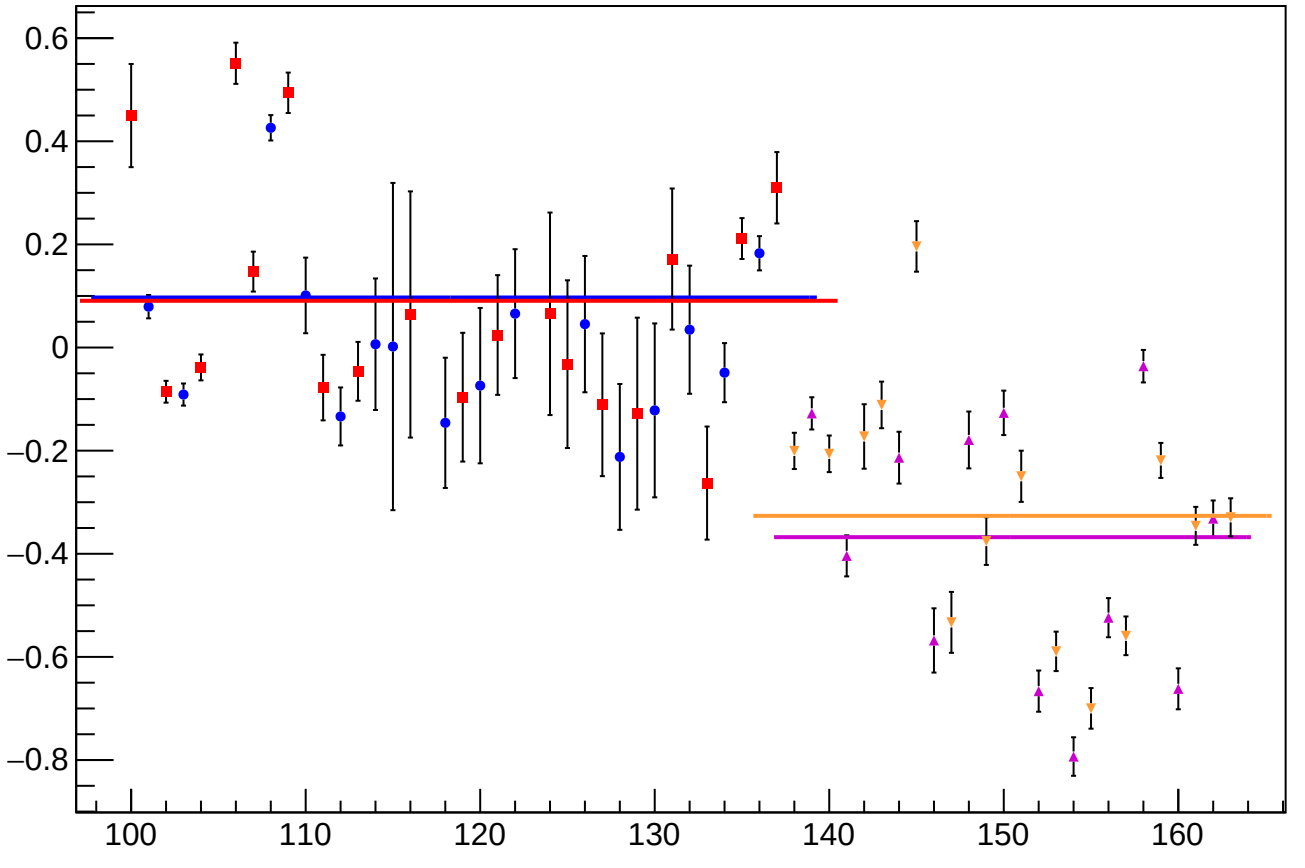
Left: 68.658+/-0.178 χ^2/NDF: 3633.8/25

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 33.934+/-0.185 χ^2/NDF:57610.4/27

Out: 37.622+/-0.178 χ^2/NDF:53821.3/32

All: 35.847+/-0.128 χ^2/NDF: 111637.5/60



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.326+/-0.011 χ^2/NDF:368.4/13

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.368+/-0.011 χ^2/NDF:491.5/11

Left: -0.346+/-0.008 χ^2/NDF: 866.7/25

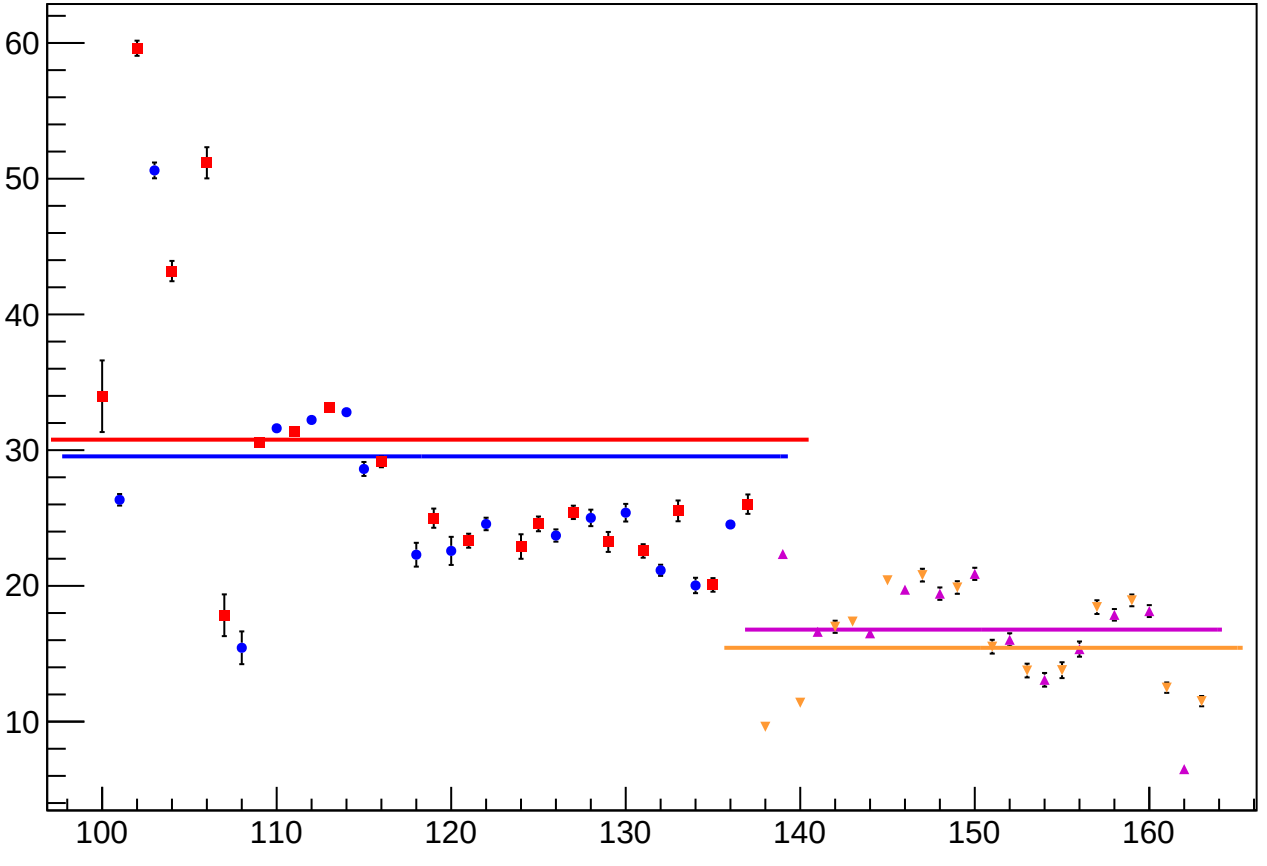
Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.131+/-0.008 χ^2/NDF:1633.2/27

Out: -0.126+/-0.008 χ^2/NDF:1463.1/32

All: -0.128+/-0.006 χ^2/NDF: 3096.5/60

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.437+/-0.105 χ^2/NDF:1406.5/13

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 16.778+/-0.112 χ^2/NDF:1403.9/11

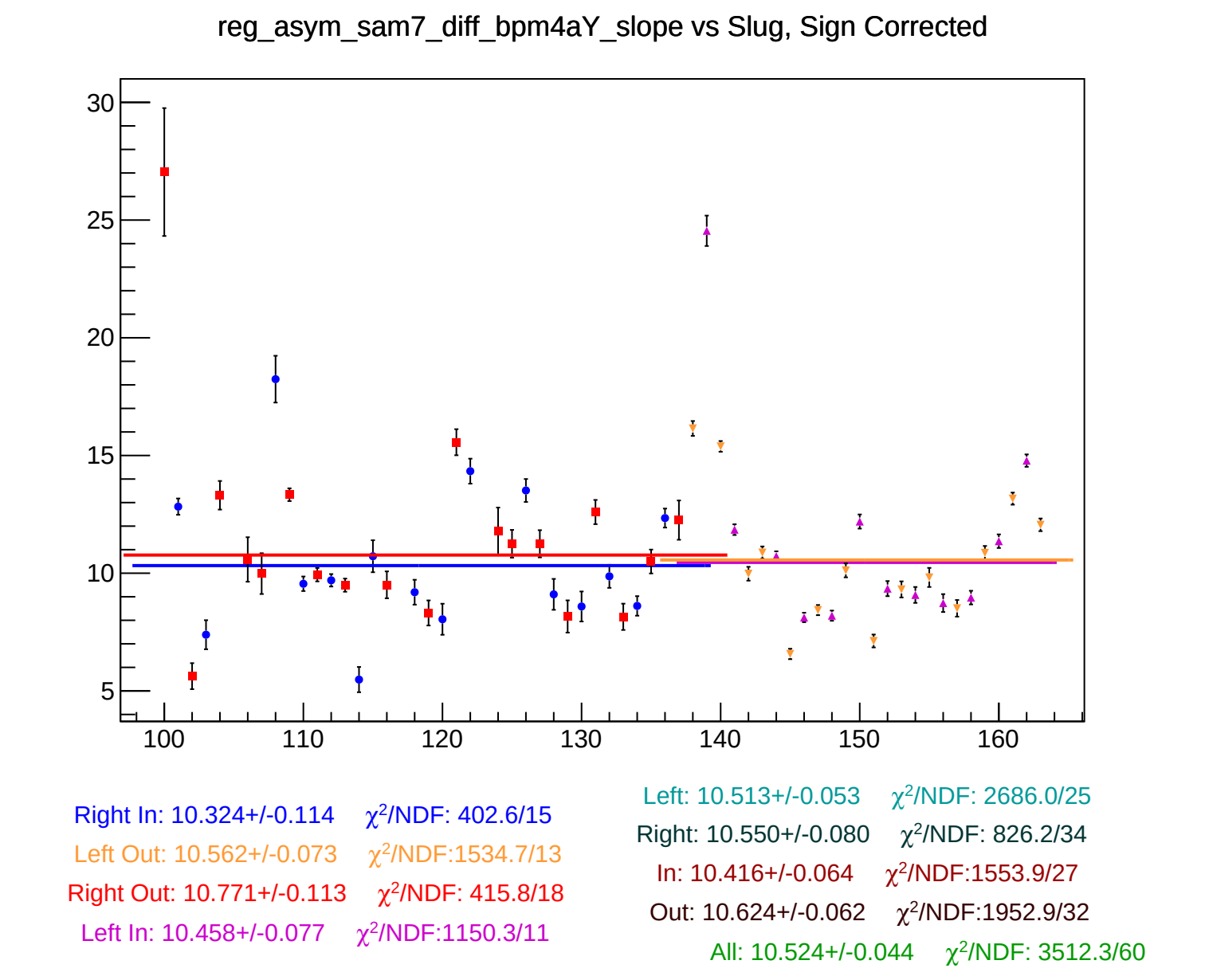
Left: 16.063+/-0.076 χ^2/NDF: 2886.9/25

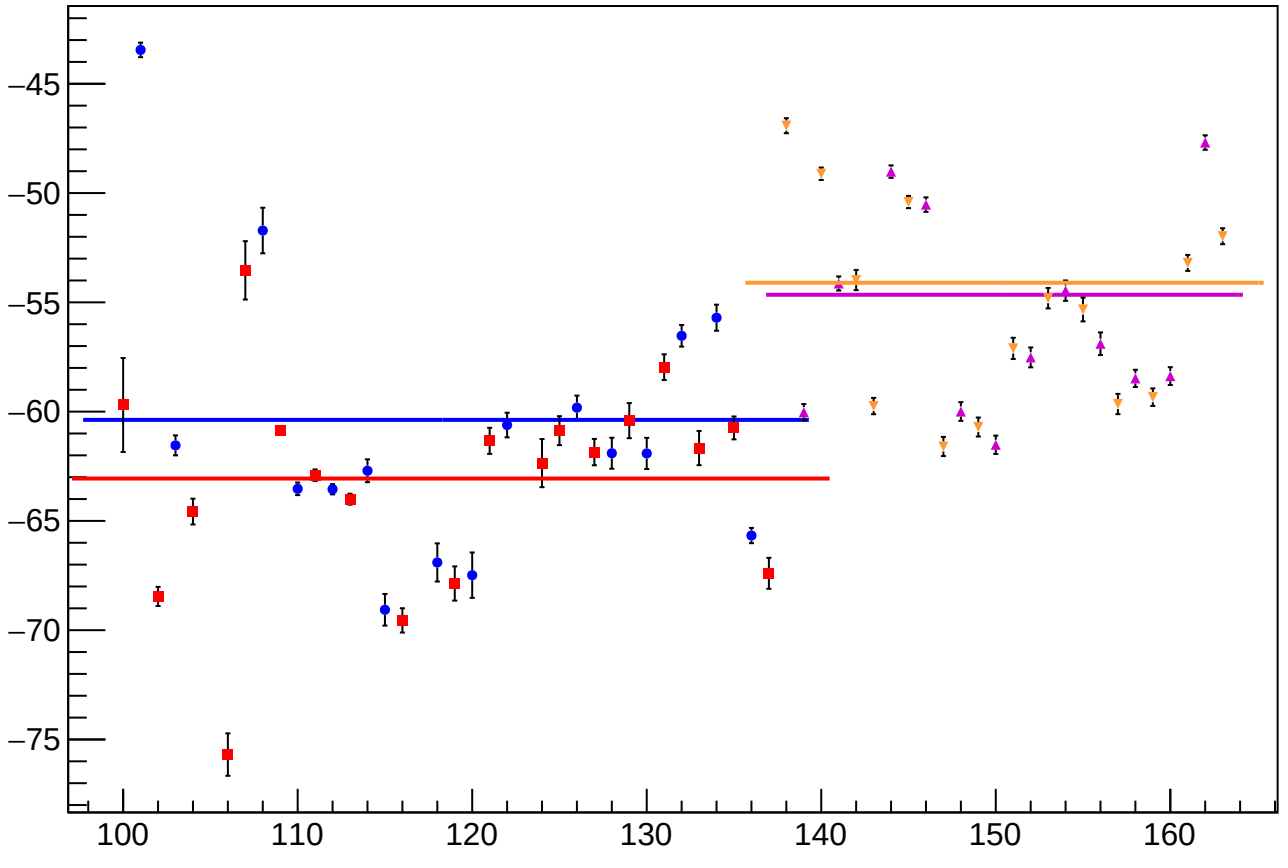
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 24.400+/-0.071 χ^2/NDF:12537.6/27

Out: 25.107+/-0.064 χ^2/NDF:20013.1/32

All: 24.792+/-0.047 χ^2/NDF: 32605.7/60


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
110
120
130
140
150
160
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 10.562+/-0.073 χ²/NDF:1534.7/13
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 10.458+/-0.077 χ²/NDF:1150.3/11
Left: 10.513+/-0.053 χ²/NDF: 2686.0/25
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.416+/-0.064 χ²/NDF:1553.9/27
Out: 10.624+/-0.062 χ²/NDF:1952.9/32
All: 10.524+/-0.044 χ²/NDF: 3512.3/60



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -54.103+/-0.103 χ^2/NDF:2065.9/13

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -54.653+/-0.109 χ^2/NDF:1858.7/11

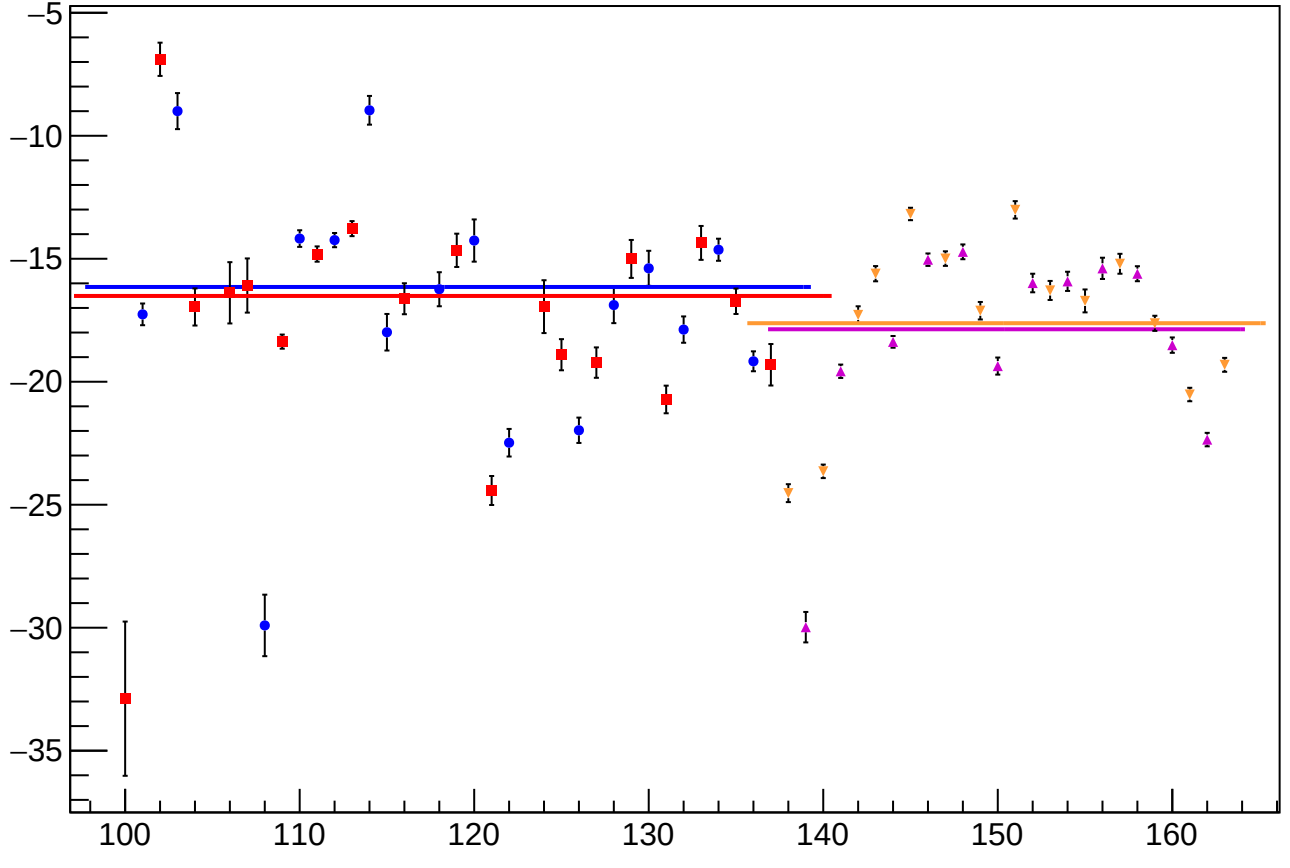
Left: -54.363+/-0.075 χ^2/NDF: 3938.0/25

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -57.413+/-0.078 χ^2/NDF:6784.8/27

Out: -58.411+/-0.074 χ^2/NDF:6531.4/32

All: -57.939+/-0.054 χ^2/NDF: 13401.4/60



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.620+/-0.086 χ^2/NDF:1640.3/13

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.867+/-0.091 χ^2/NDF:1089.0/11

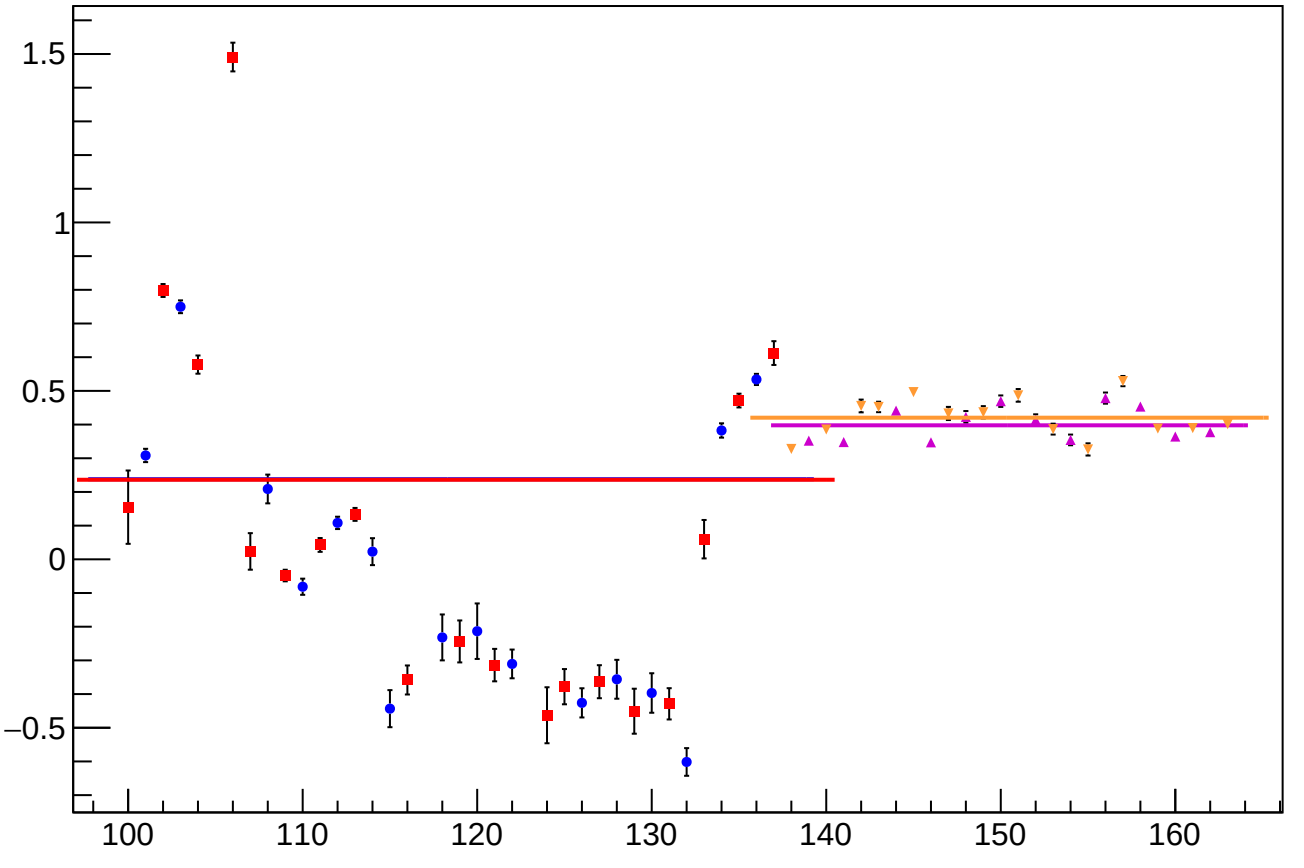
Left: -17.737+/-0.062 χ^2/NDF: 2733.3/25

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.288+/-0.074 χ^2/NDF:2007.4/27

Out: -17.264+/-0.071 χ^2/NDF:2378.6/32

All: -17.275+/-0.051 χ^2/NDF: 4386.1/60



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.420+/-0.004 χ^2/NDF:215.8/13

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.398+/-0.004 χ^2/NDF:127.0/11

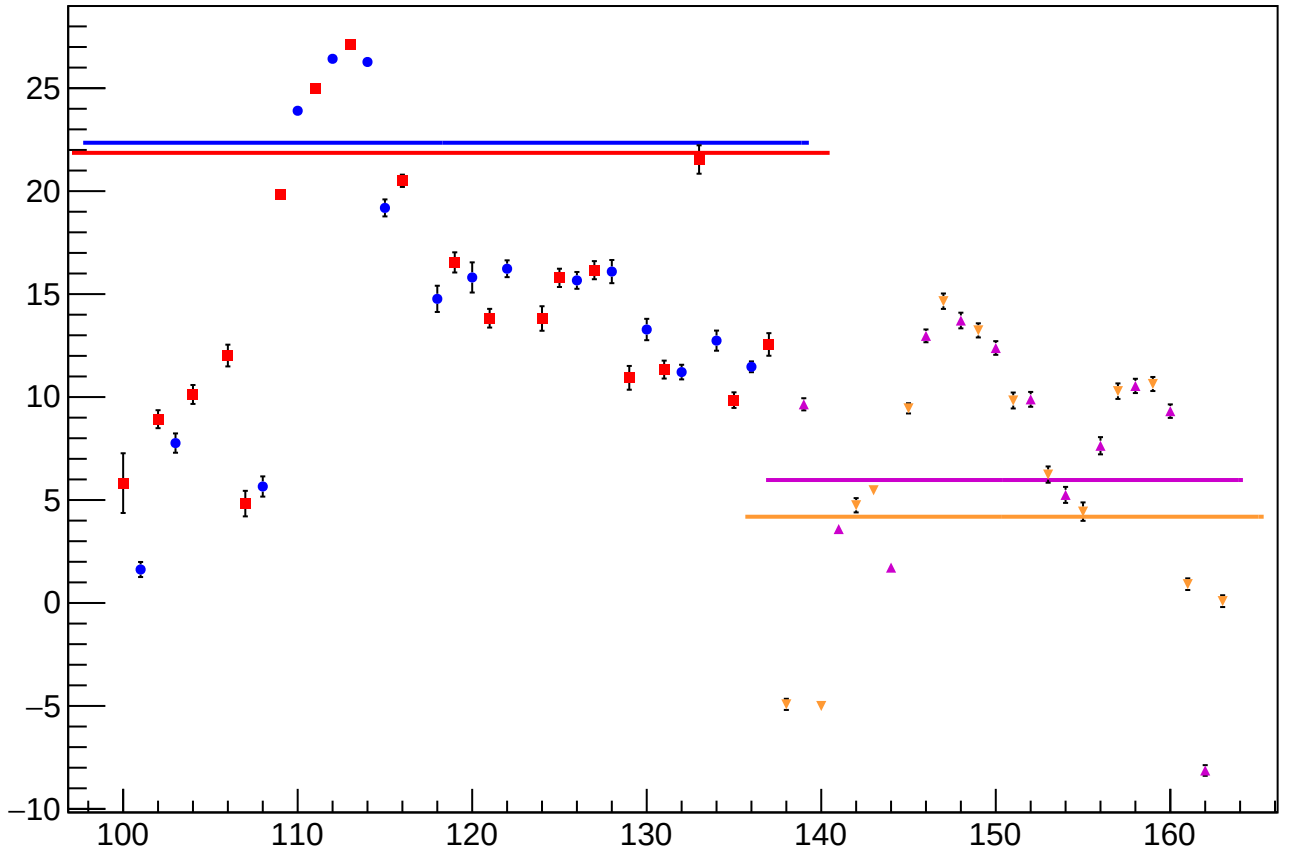
Left: 0.410+/-0.003 χ^2/NDF: 358.2/25

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.356+/-0.004 χ^2/NDF:3140.6/27

Out: 0.376+/-0.003 χ^2/NDF:4324.0/32

All: 0.367+/-0.002 χ^2/NDF: 7480.4/60



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 4.189+/-0.081 χ^2/NDF:6132.2/13

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 5.972+/-0.089 χ^2/NDF:5267.6/11

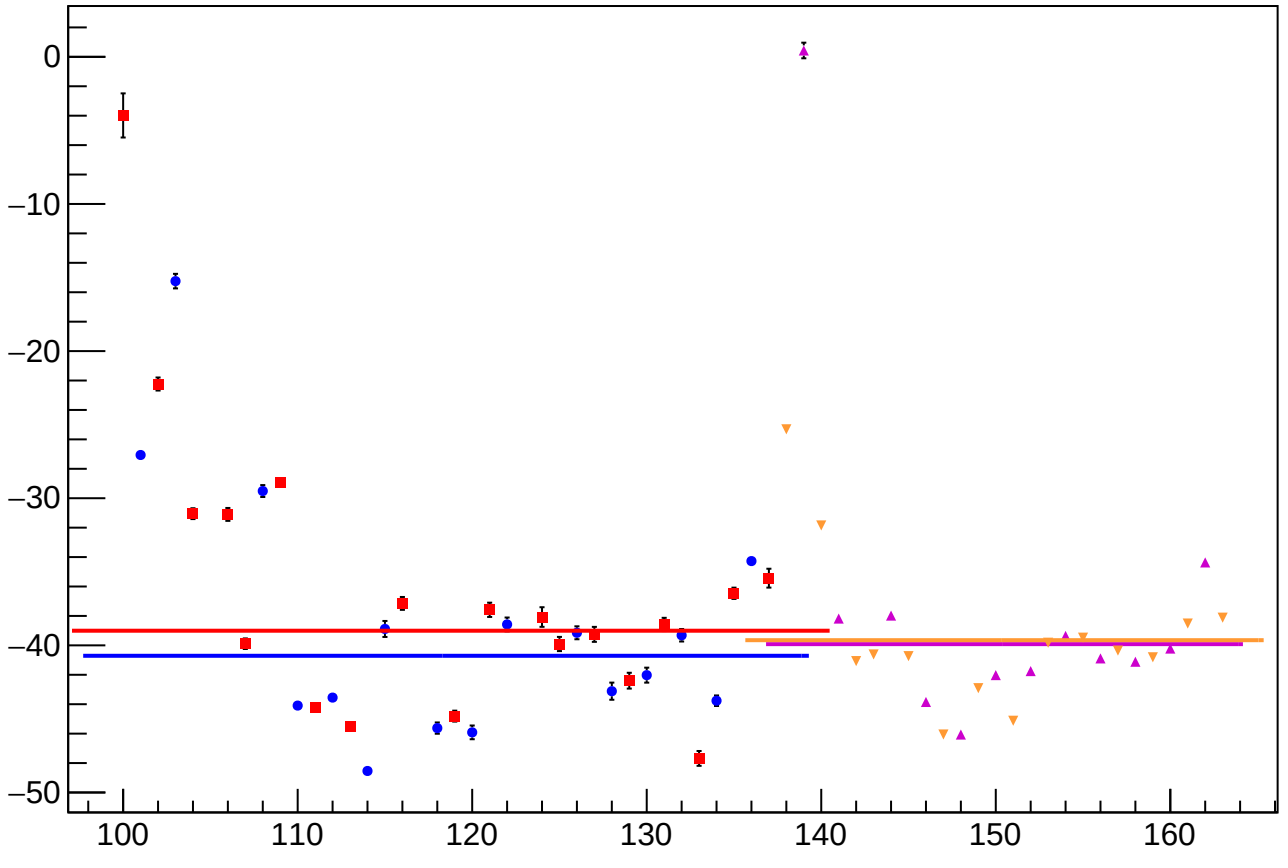
Left: 4.996+/-0.060 χ^2/NDF: 11619.1/25

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 17.644+/-0.048 χ^2/NDF:41703.9/27

Out: 17.506+/-0.040 χ^2/NDF:52727.7/32

All: 17.563+/-0.031 χ^2/NDF: 94436.5/60



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.649+/-0.057 χ^2/NDF:7439.7/13

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -39.917+/-0.062 χ^2/NDF:8579.0/11

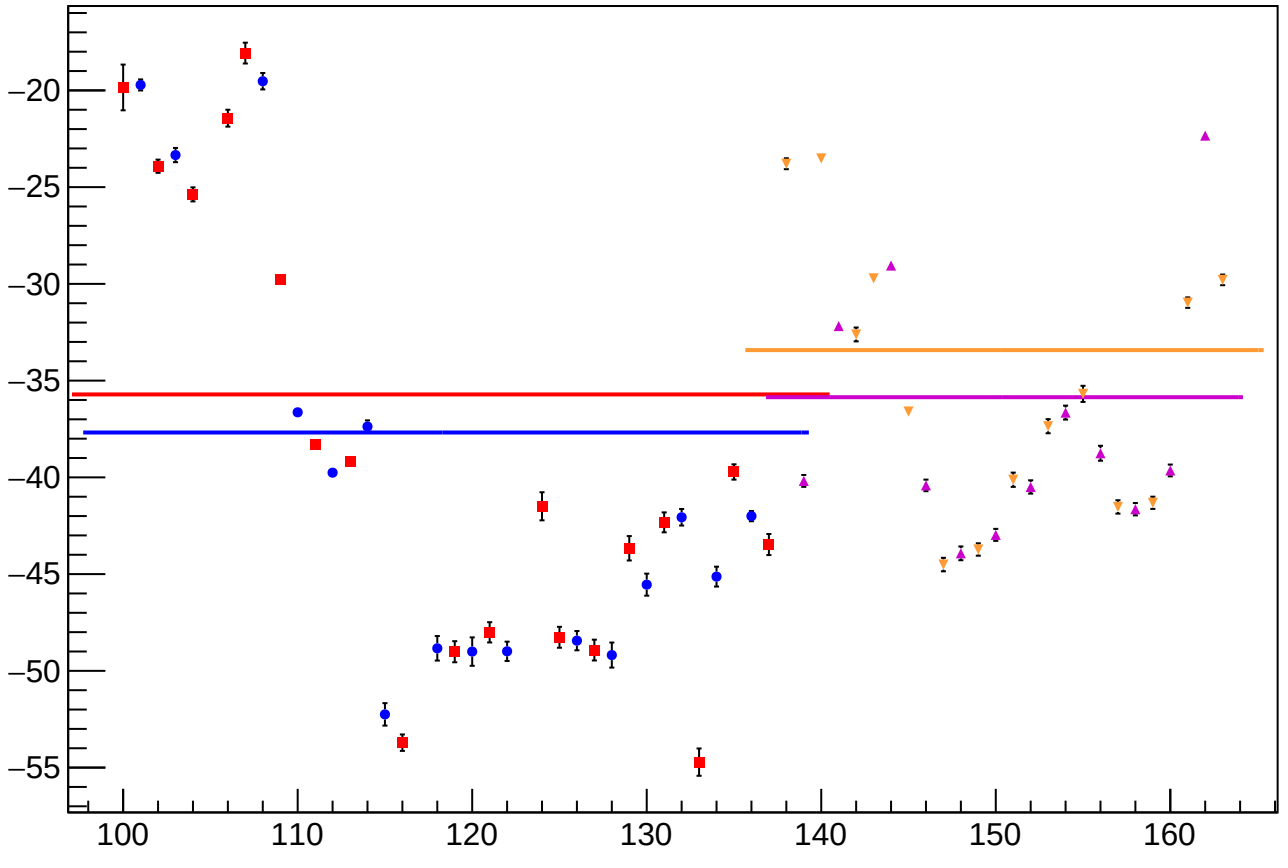
Left: -39.771+/-0.042 χ^2/NDF: 16028.8/25

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.232+/-0.048 χ^2/NDF:16423.8/27

Out: -39.399+/-0.044 χ^2/NDF:17591.2/32

All: -39.780+/-0.033 χ^2/NDF: 34177.1/60



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.423+/-0.080 χ^2/NDF:7528.9/13

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -35.856+/-0.087 χ^2/NDF:6171.6/11

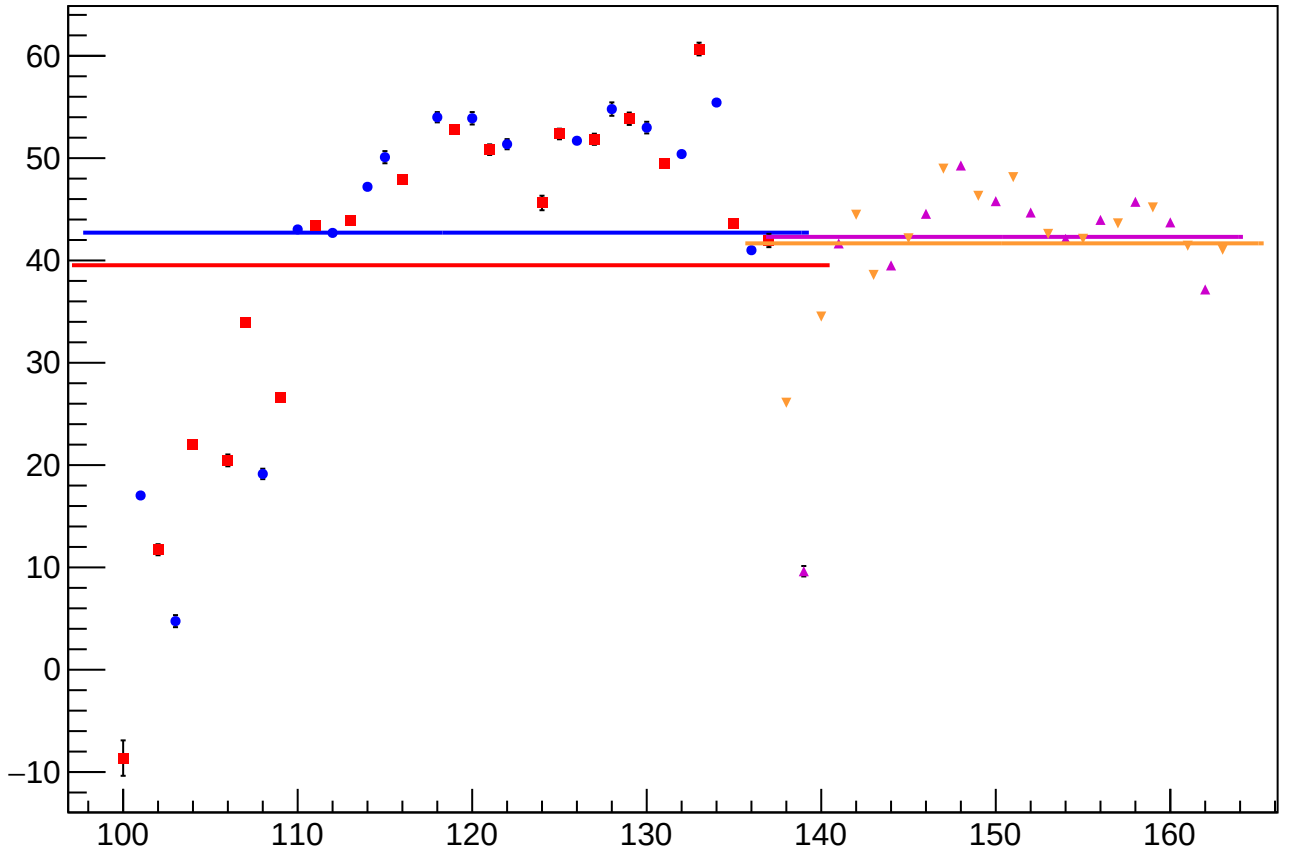
Left: -34.539+/-0.059 χ^2/NDF: 14128.2/25

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -36.914+/-0.056 χ^2/NDF:17282.9/27

Out: -34.810+/-0.050 χ^2/NDF:21303.8/32

All: -35.741+/-0.037 χ^2/NDF: 39369.3/60



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.672+/-0.066 χ^2/NDF:6263.0/13

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 42.305+/-0.072 χ^2/NDF:6321.2/11

Left: 41.961+/-0.049 χ^2/NDF: 12626.1/25

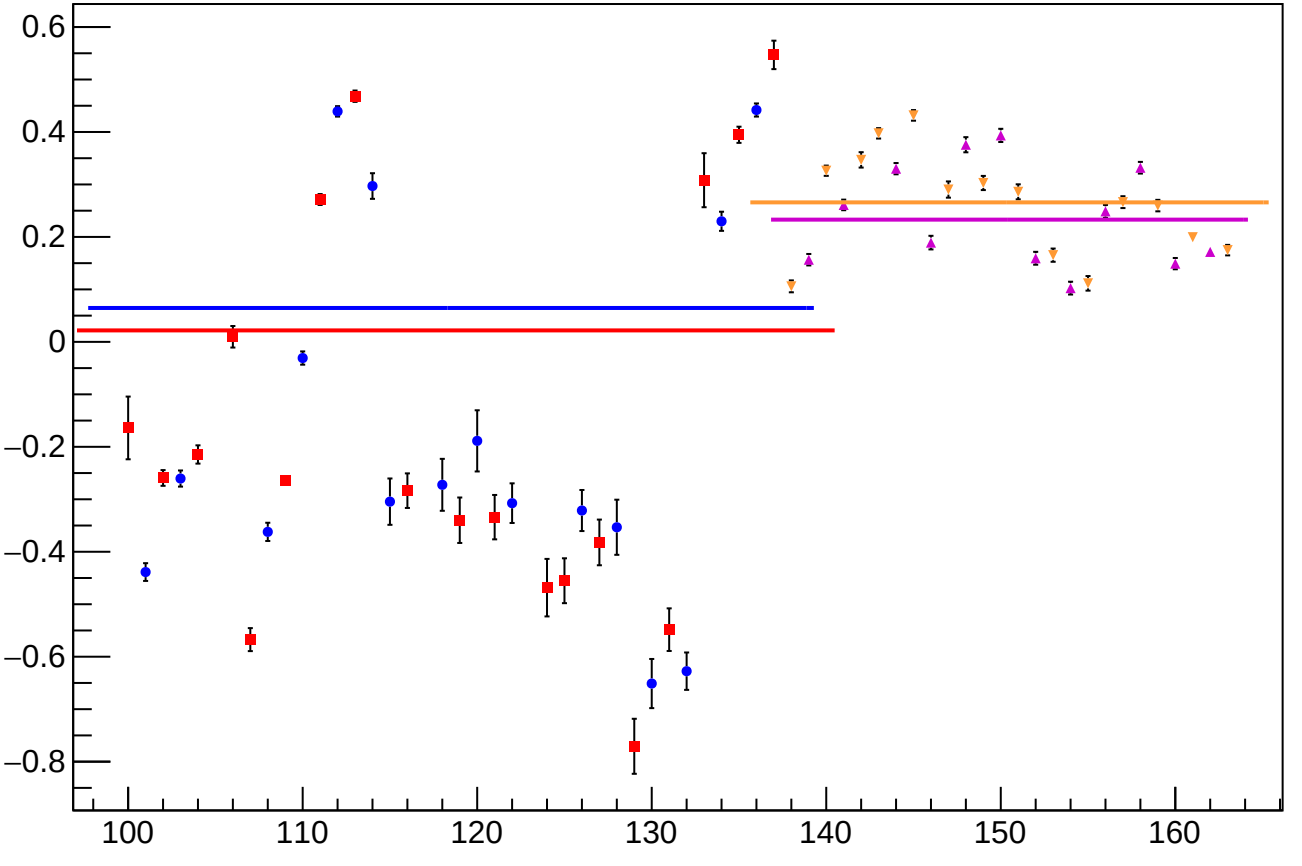
Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.478+/-0.055 χ^2/NDF:21099.9/27

Out: 40.781+/-0.050 χ^2/NDF:24678.1/32

All: 41.556+/-0.037 χ^2/NDF: 46294.5/60

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.266+/-0.003 χ^2/NDF:1042.2/13

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.233+/-0.003 χ^2/NDF:746.4/11

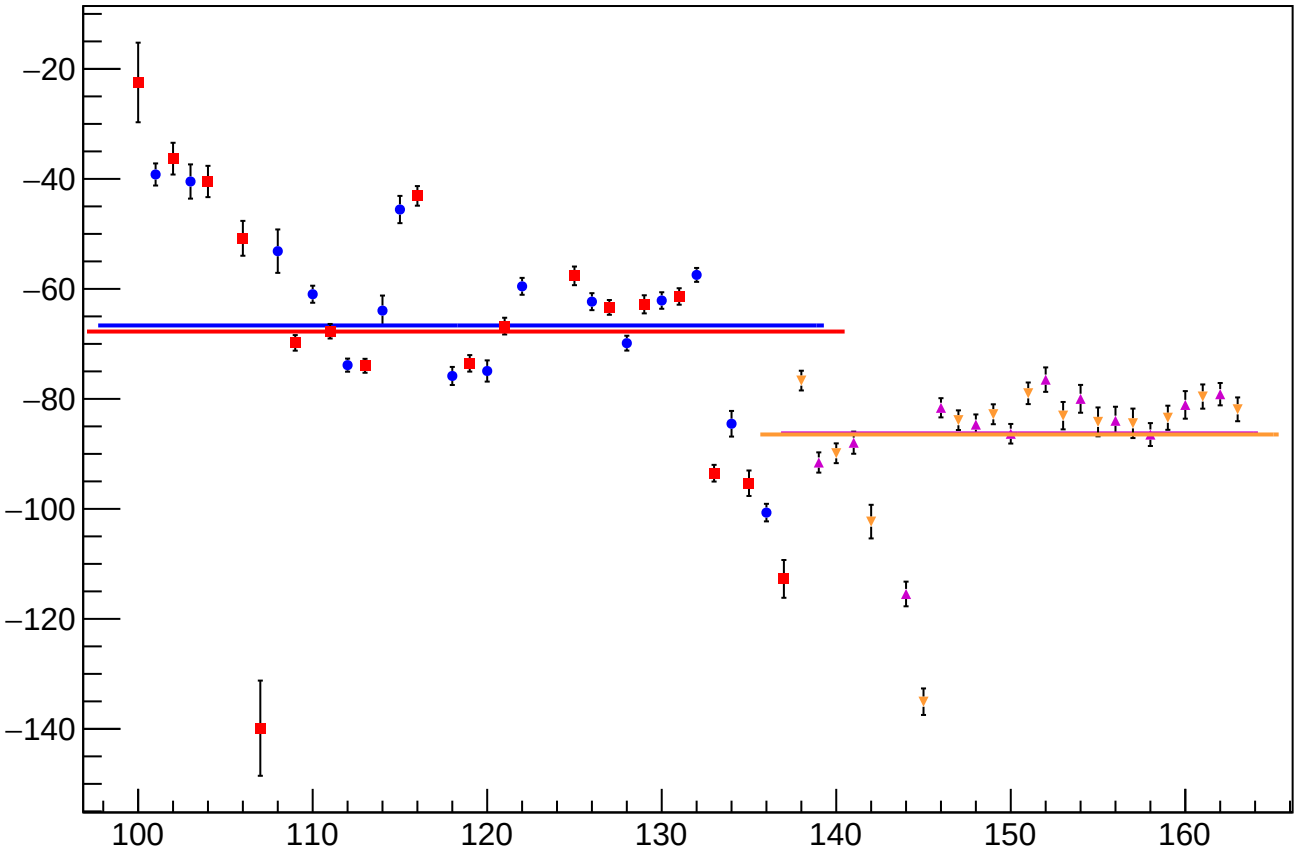
Left: 0.251+/-0.002 χ^2/NDF: 1842.1/25

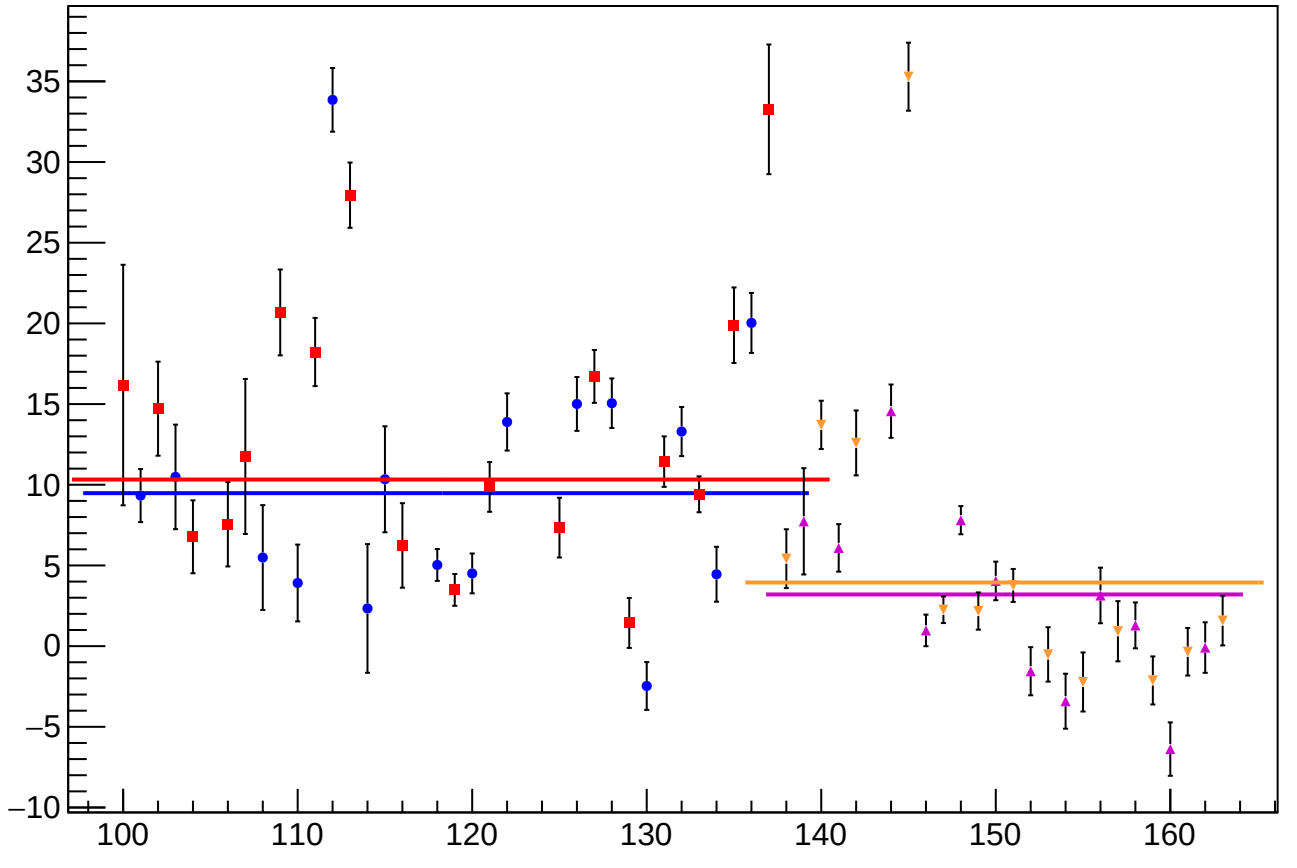
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.180+/-0.003 χ^2/NDF:7071.2/27

Out: 0.186+/-0.003 χ^2/NDF:9524.0/32

All: 0.183+/-0.002 χ^2/NDF: 16597.6/60


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -86.470+/-0.592 χ²/NDF:506.6/12
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -86.271+/-0.595 χ²/NDF:229.2/11
Left: -86.371+/-0.420 χ²/NDF: 735.8/24
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.296+/-0.346 χ²/NDF:2000.1/27
Out: -74.004+/-0.342 χ²/NDF:2426.6/30
All: -73.654+/-0.244 χ²/NDF: 4428.8/58



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.945+/-0.387 χ^2/NDF:337.8/12

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.203+/-0.396 χ^2/NDF:151.6/11

Left: 3.582+/-0.277 χ^2/NDF: 491.2/24

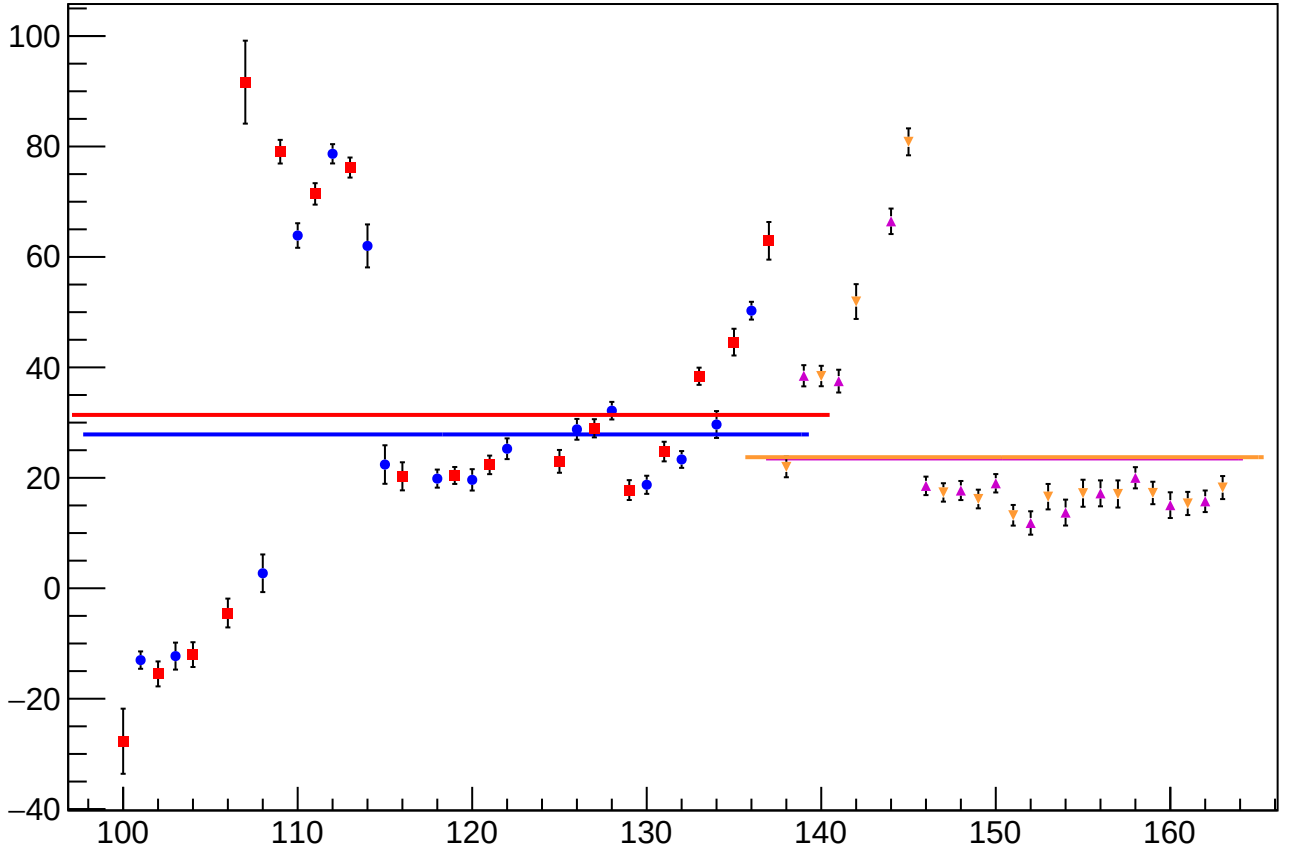
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 6.096+/-0.291 χ^2/NDF:609.4/27

Out: 6.758+/-0.289 χ^2/NDF:721.1/30

All: 6.429+/-0.205 χ^2/NDF: 1333.1/58

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 23.737+/-0.571 χ^2/NDF:815.3/12

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 23.511+/-0.573 χ^2/NDF:567.6/11

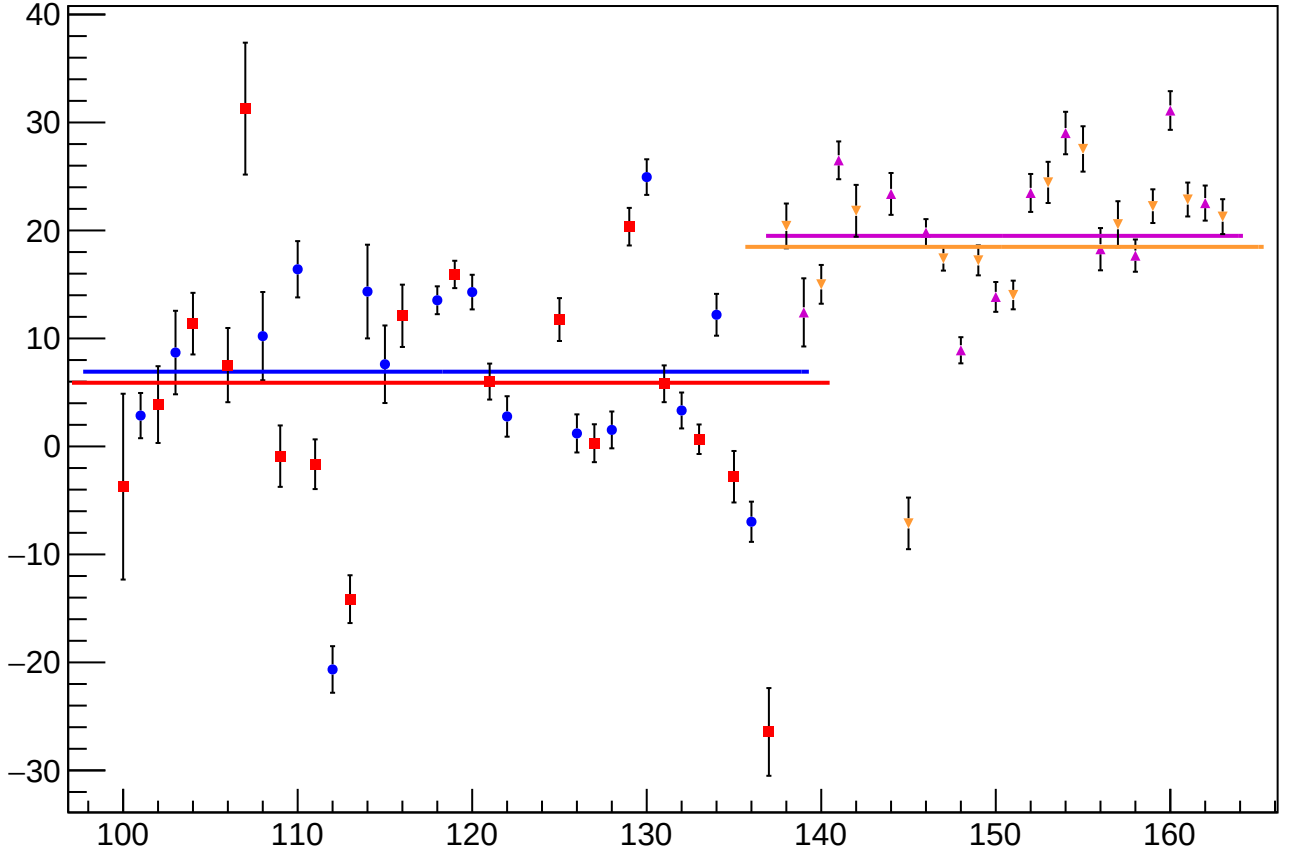
Left: 23.624+/-0.405 χ^2/NDF: 1382.9/24

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 26.054+/-0.369 χ^2/NDF:3075.3/27

Out: 28.168+/-0.371 χ^2/NDF:3930.6/30

All: 27.106+/-0.262 χ^2/NDF: 7022.2/58



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.481+/-0.462 χ^2/NDF:180.4/12

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 19.500+/-0.470 χ^2/NDF:194.2/11

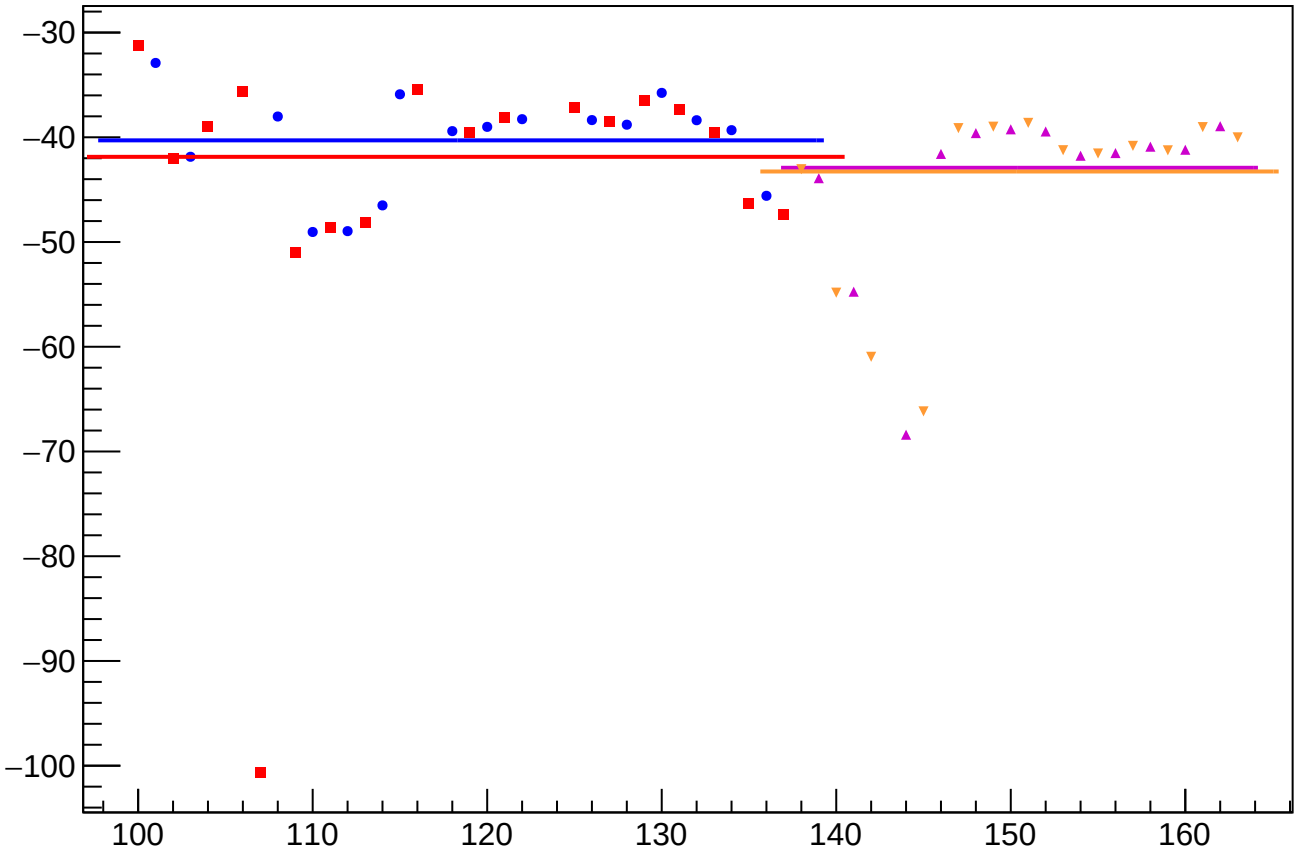
Left: 18.982+/-0.330 χ^2/NDF: 377.0/24

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.541+/-0.341 χ^2/NDF:977.5/27

Out: 12.708+/-0.340 χ^2/NDF:888.5/30

All: 13.123+/-0.241 χ^2/NDF: 1869.1/58



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -43.266+/-0.022 χ^2/NDF:113834.4/12

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -42.913+/-0.022 χ^2/NDF:92715.0/11

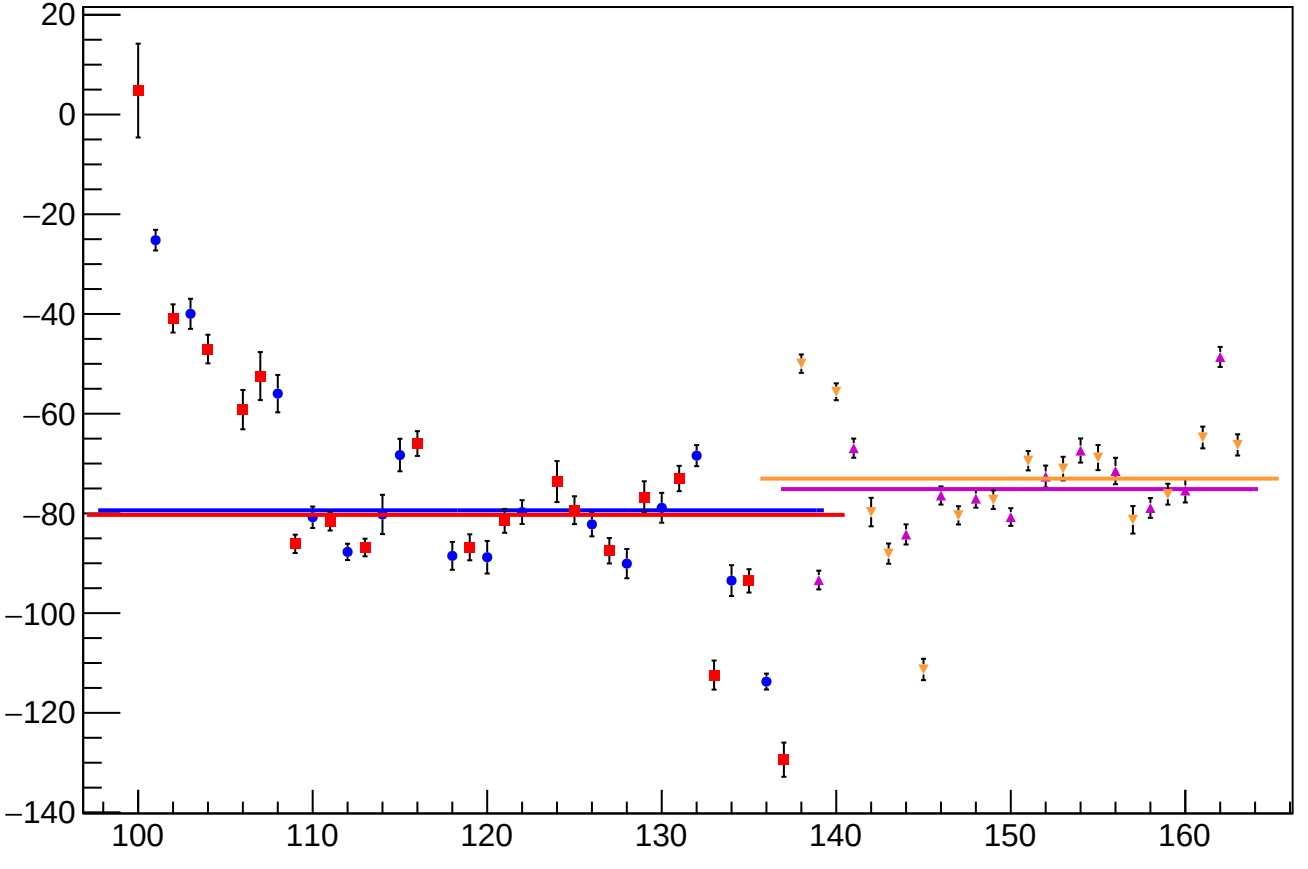
Left: -43.088+/-0.015 χ^2/NDF: 206681.2/24

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -42.070+/-0.018 χ^2/NDF:118098.8/27

Out: -42.822+/-0.018 χ^2/NDF:173865.8/30

All: -42.441+/-0.013 χ^2/NDF: 292844.3/58



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -73.019+/-0.559 χ^2/NDF:706.1/13

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -75.120+/-0.586 χ^2/NDF:335.3/11

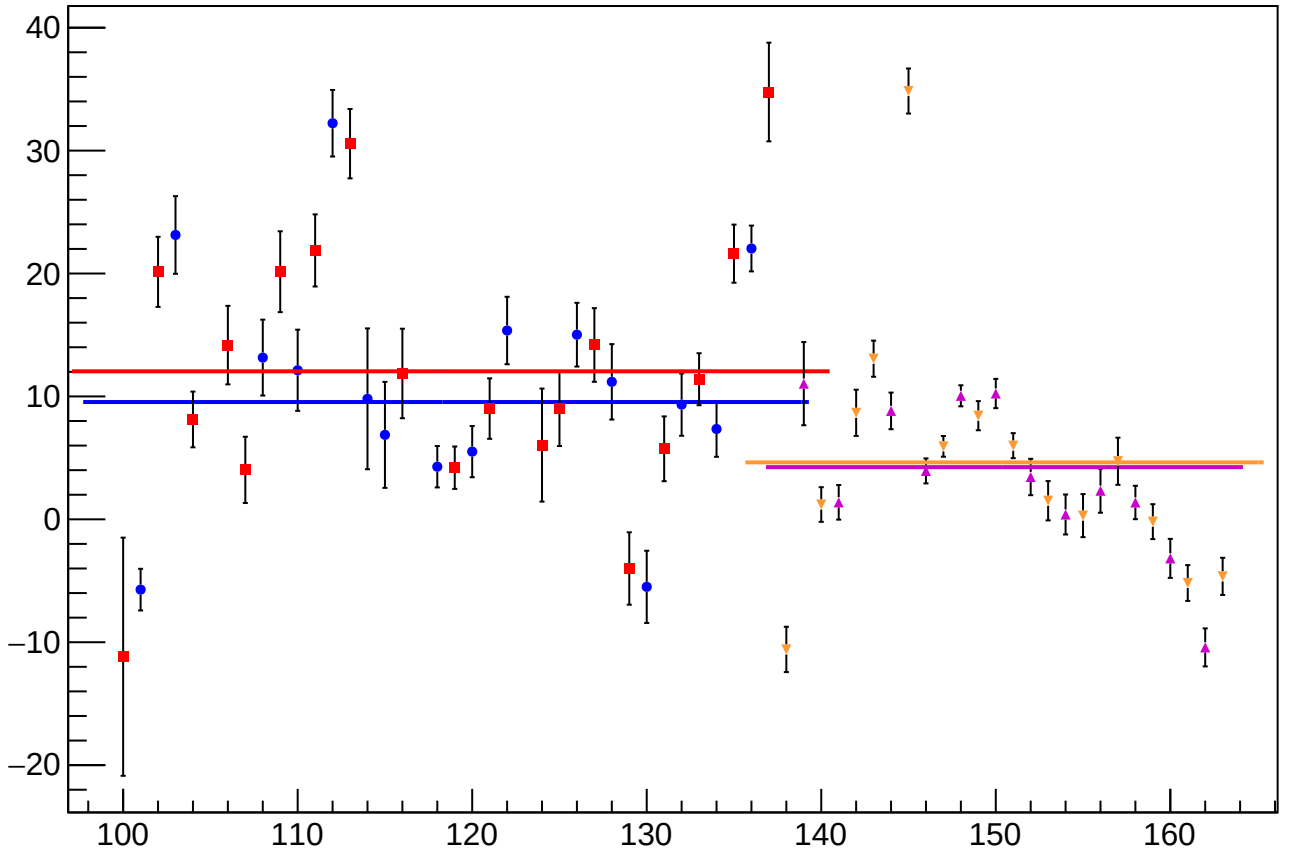
Left: -74.020+/-0.404 χ^2/NDF: 1048.1/25

Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -77.162+/-0.423 χ^2/NDF:1836.5/27

Out: -76.374+/-0.410 χ^2/NDF:1698.9/32

All: -76.756+/-0.294 χ^2/NDF: 3537.2/60



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 4.634+/-0.370 χ^2/NDF:502.6/13

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 4.246+/-0.390 χ^2/NDF:212.2/11

Left: 4.450+/-0.268 χ^2/NDF: 715.4/25

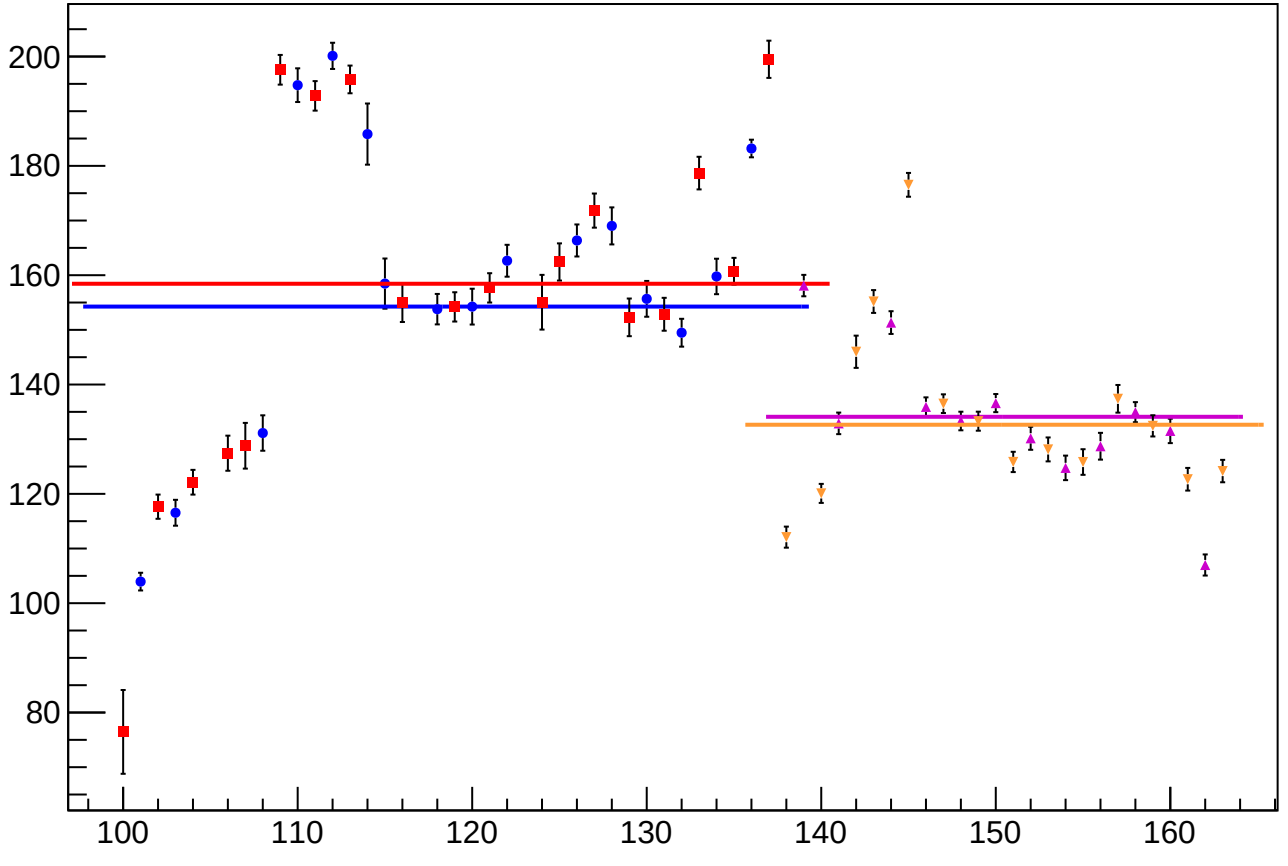
Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 5.742+/-0.330 χ^2/NDF:531.5/27

Out: 6.501+/-0.320 χ^2/NDF:799.7/32

All: 6.134+/-0.230 χ^2/NDF: 1333.9/60

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 132.644+/-0.542 χ^2/NDF:784.5/13

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 134.098+/-0.564 χ^2/NDF:446.9/11

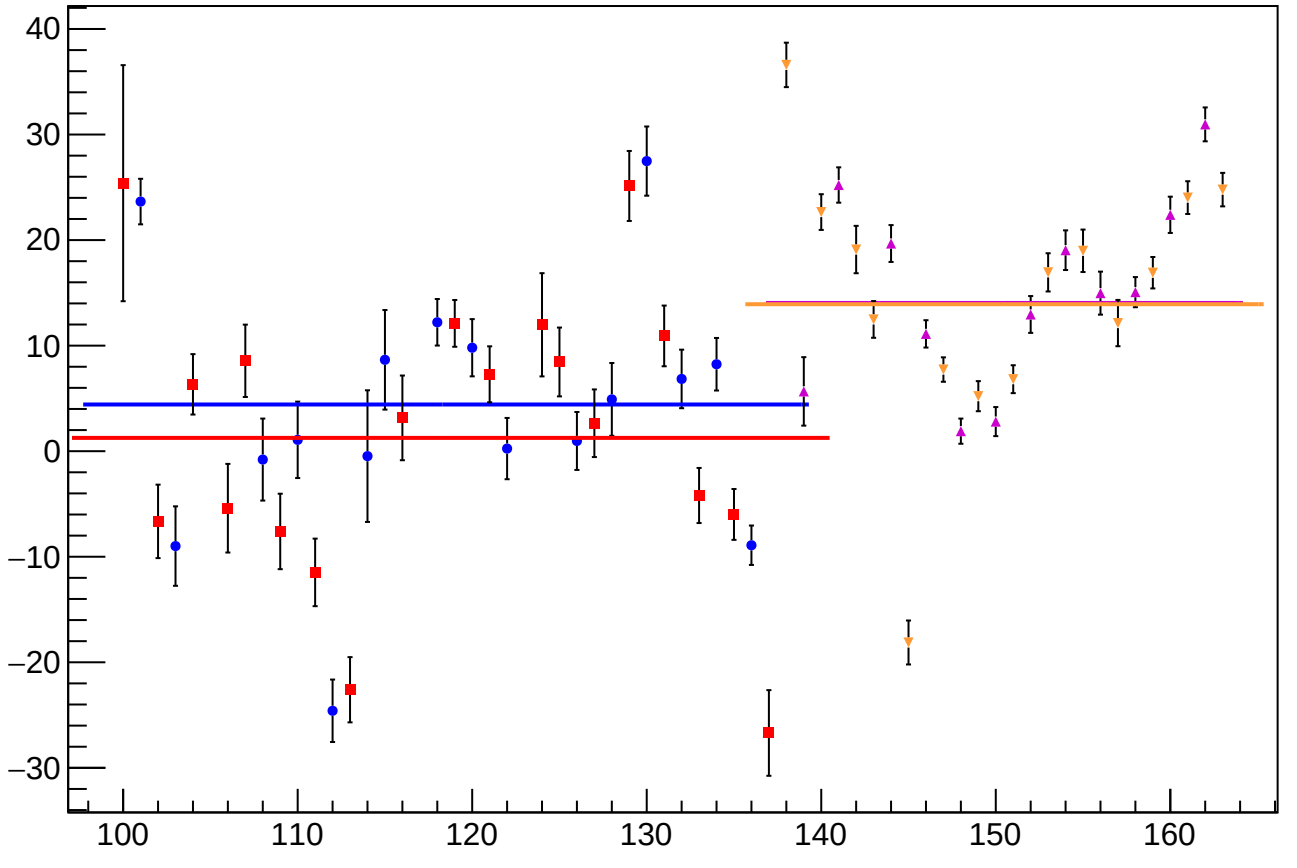
Left: 133.343+/-0.391 χ^2/NDF: 1234.9/25

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 142.581+/-0.429 χ^2/NDF:3198.4/27

Out: 142.623+/-0.425 χ^2/NDF:3323.9/32

All: 142.602+/-0.302 χ^2/NDF: 6522.3/60



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 13.923+/-0.440 χ^2/NDF:583.3/13

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 14.043+/-0.462 χ^2/NDF:380.1/11

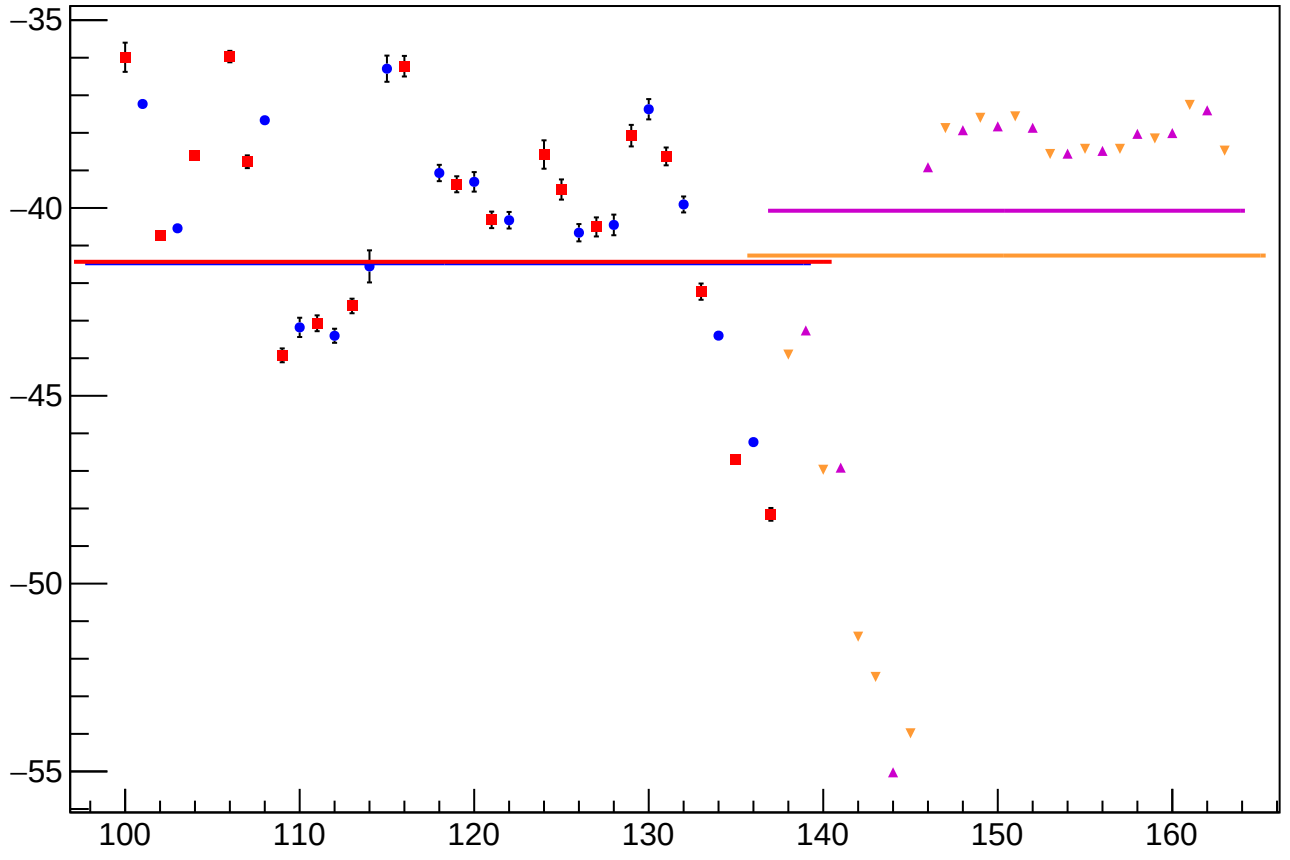
Left: 13.980+/-0.319 χ^2/NDF: 963.4/25

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 11.201+/-0.388 χ^2/NDF:824.0/27

Out: 10.562+/-0.377 χ^2/NDF:1068.2/32

All: 10.872+/-0.270 χ^2/NDF: 1893.6/60



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -41.266+/-0.021 χ^2/NDF:69605.0/13

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -40.073+/-0.021 χ^2/NDF:42105.6/11

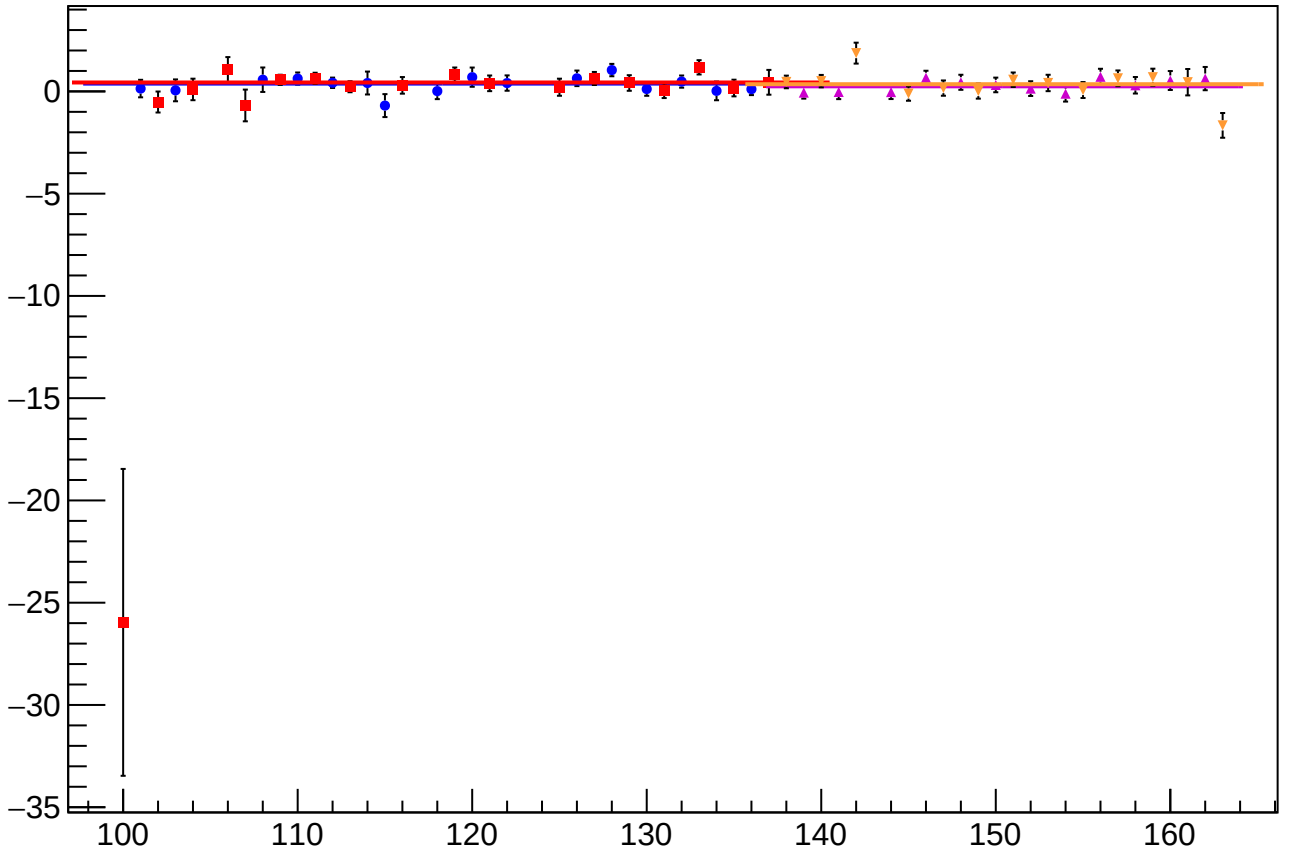
Left: -40.683+/-0.015 χ^2/NDF: 113309.0/25

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -40.407+/-0.019 χ^2/NDF:51042.7/27

Out: -41.303+/-0.018 χ^2/NDF:77844.3/32

All: -40.859+/-0.013 χ^2/NDF: 130054.5/60



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.352+/-0.108 χ^2/NDF:25.2/12

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.249+/-0.107 χ^2/NDF:7.4/11

Left: 0.300+/-0.076 χ^2/NDF: 33.1/24

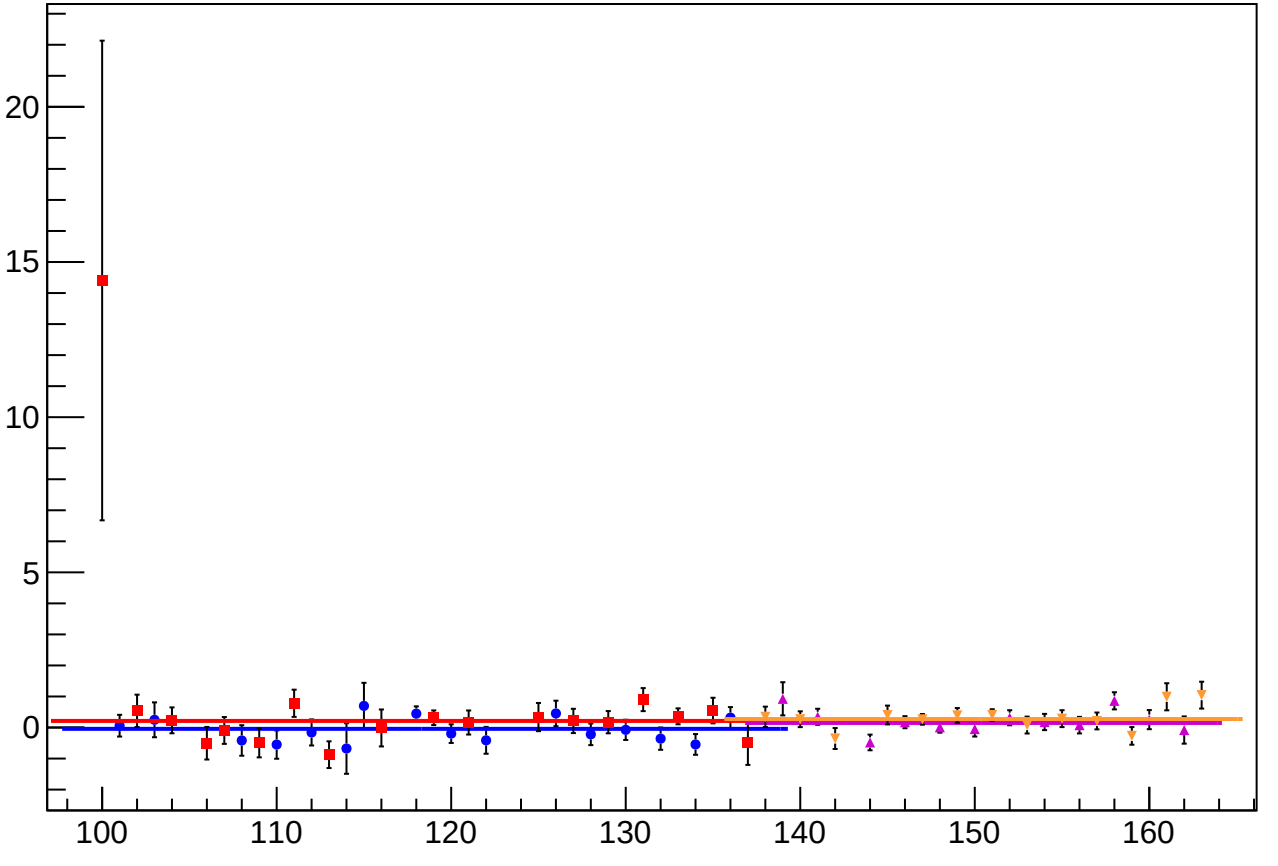
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.326+/-0.070 χ^2/NDF:22.3/27

Out: 0.401+/-0.069 χ^2/NDF:54.6/30

All: 0.364+/-0.049 χ^2/NDF: 77.5/58

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.273+/-0.073 χ^2/NDF:14.5/12

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.148+/-0.073 χ^2/NDF:17.9/11

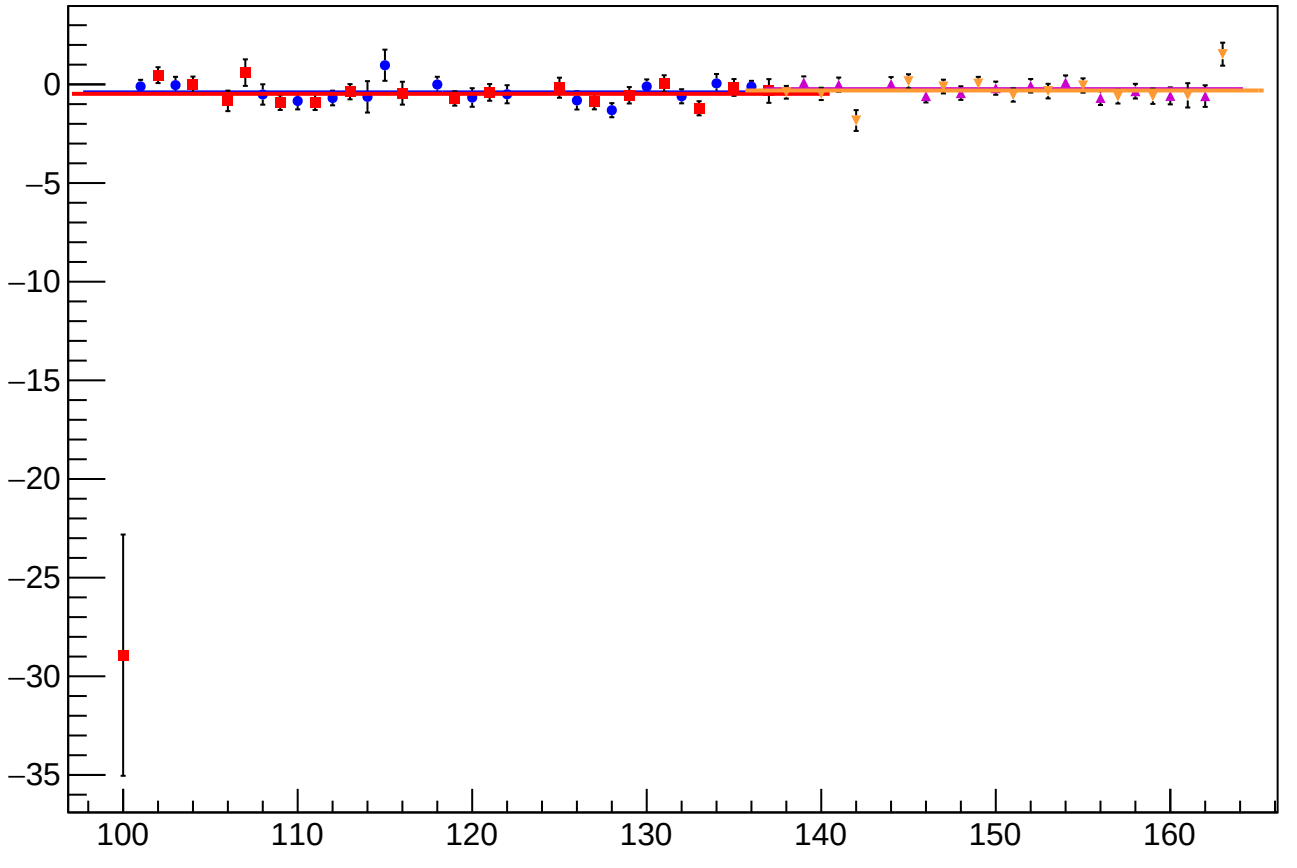
Left: 0.211+/-0.052 χ^2/NDF: 33.8/24

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.076+/-0.058 χ^2/NDF:35.4/27

Out: 0.251+/-0.058 χ^2/NDF:37.2/30

All: 0.163+/-0.041 χ^2/NDF: 77.2/58



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.309+/-0.104 χ^2/NDF:24.1/12

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.242+/-0.104 χ^2/NDF:7.4/11

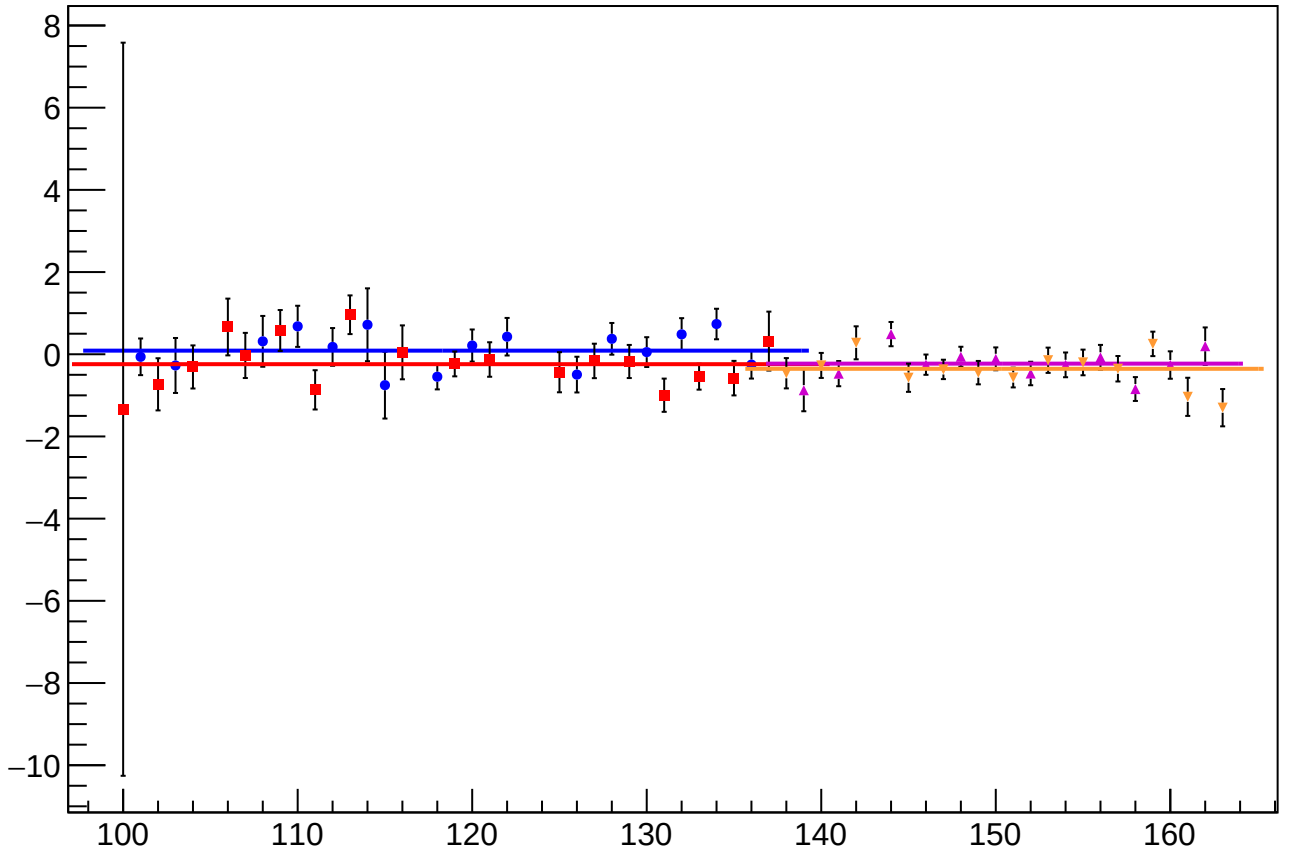
Left: -0.275+/-0.074 χ^2/NDF: 31.8/24

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.325+/-0.073 χ^2/NDF:26.5/27

Out: -0.393+/-0.074 χ^2/NDF:67.7/30

All: -0.359+/-0.052 χ^2/NDF: 94.6/58



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.354+/-0.087 χ^2/NDF:15.3/12

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.228+/-0.087 χ^2/NDF:15.2/11

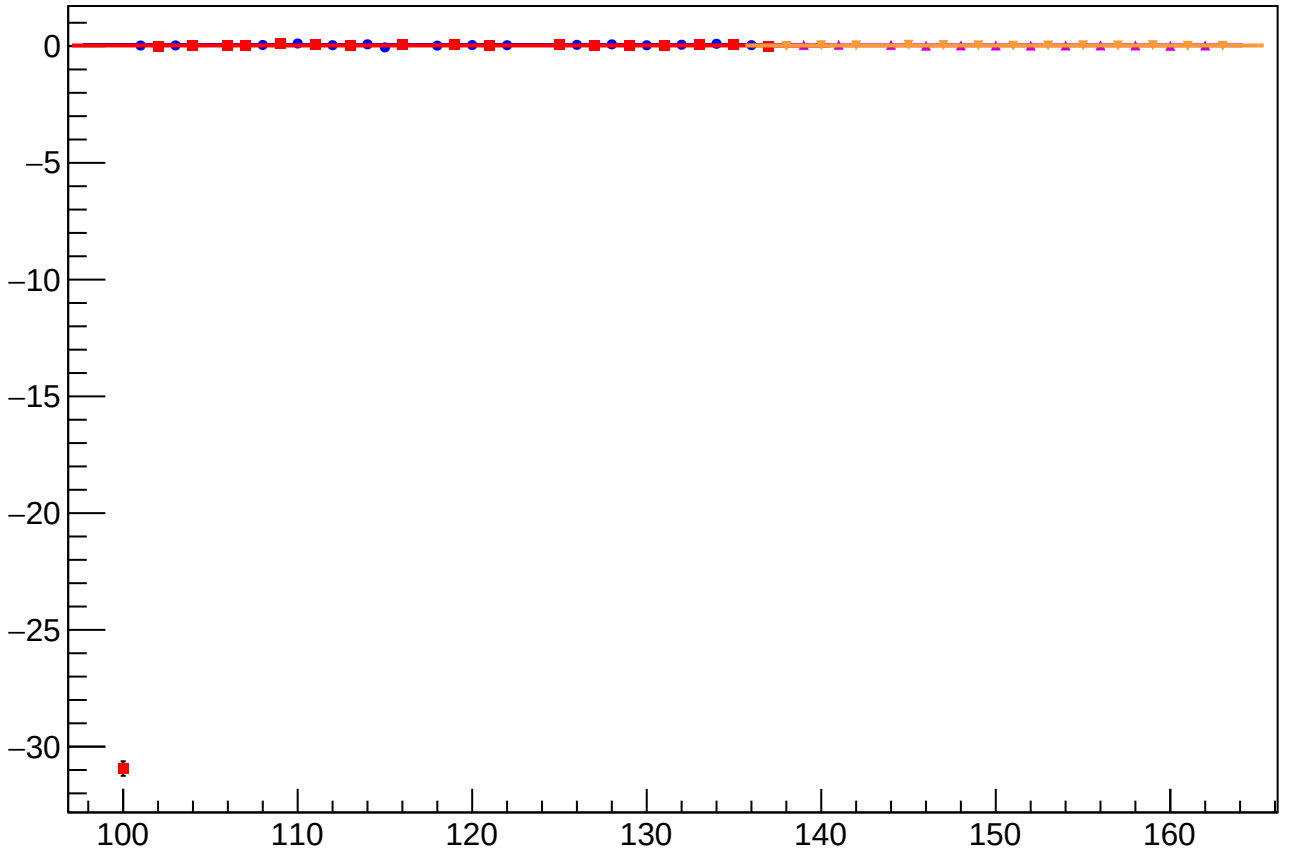
Left: -0.291+/-0.061 χ^2/NDF: 31.6/24

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.104+/-0.068 χ^2/NDF:36.3/27

Out: -0.311+/-0.068 χ^2/NDF:35.6/30

All: -0.207+/-0.048 χ^2/NDF: 76.4/58



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.004 χ^2/NDF:10.4/12

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.035+/-0.004 χ^2/NDF:12.0/11

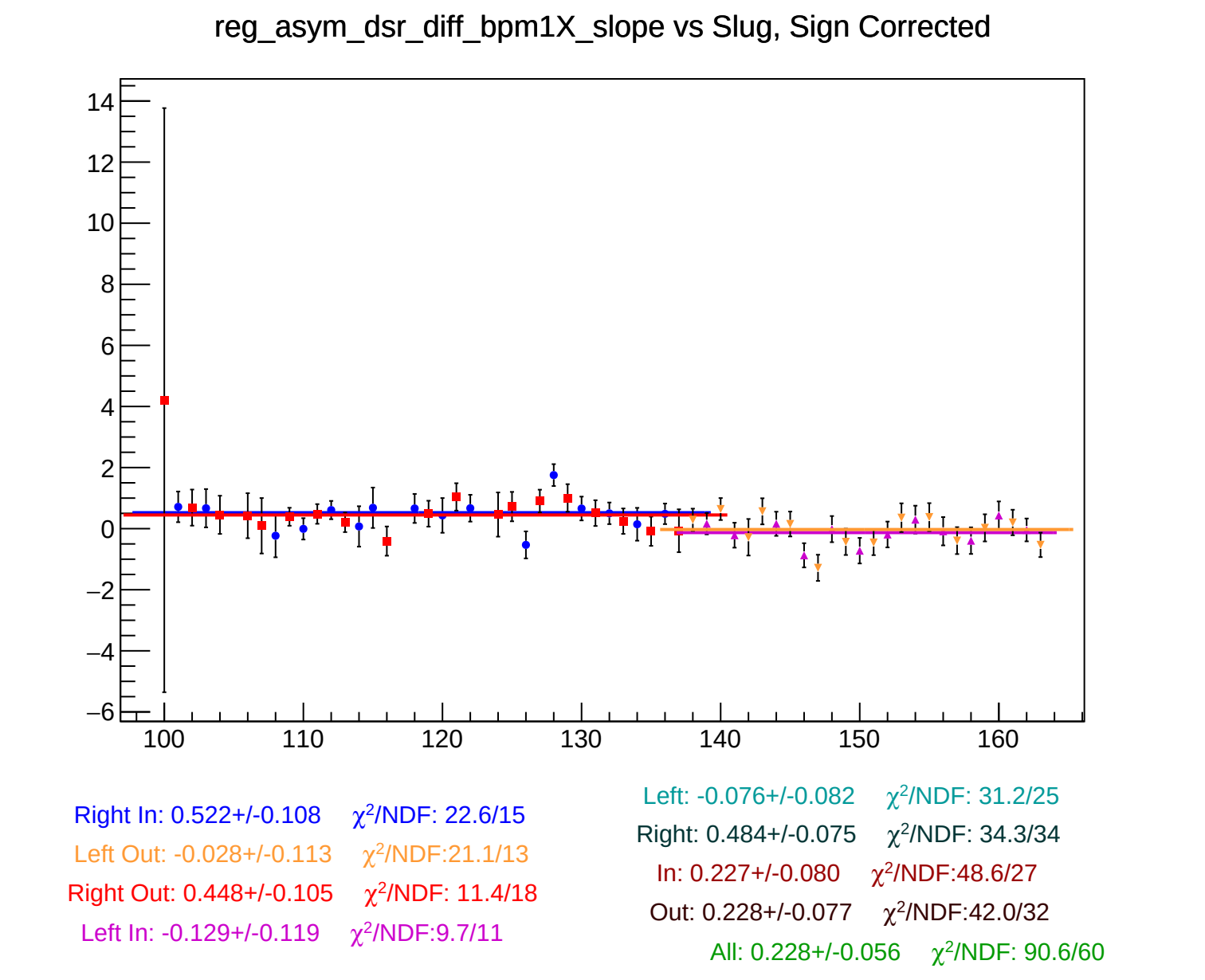
Left: 0.031+/-0.003 χ^2/NDF: 24.4/24

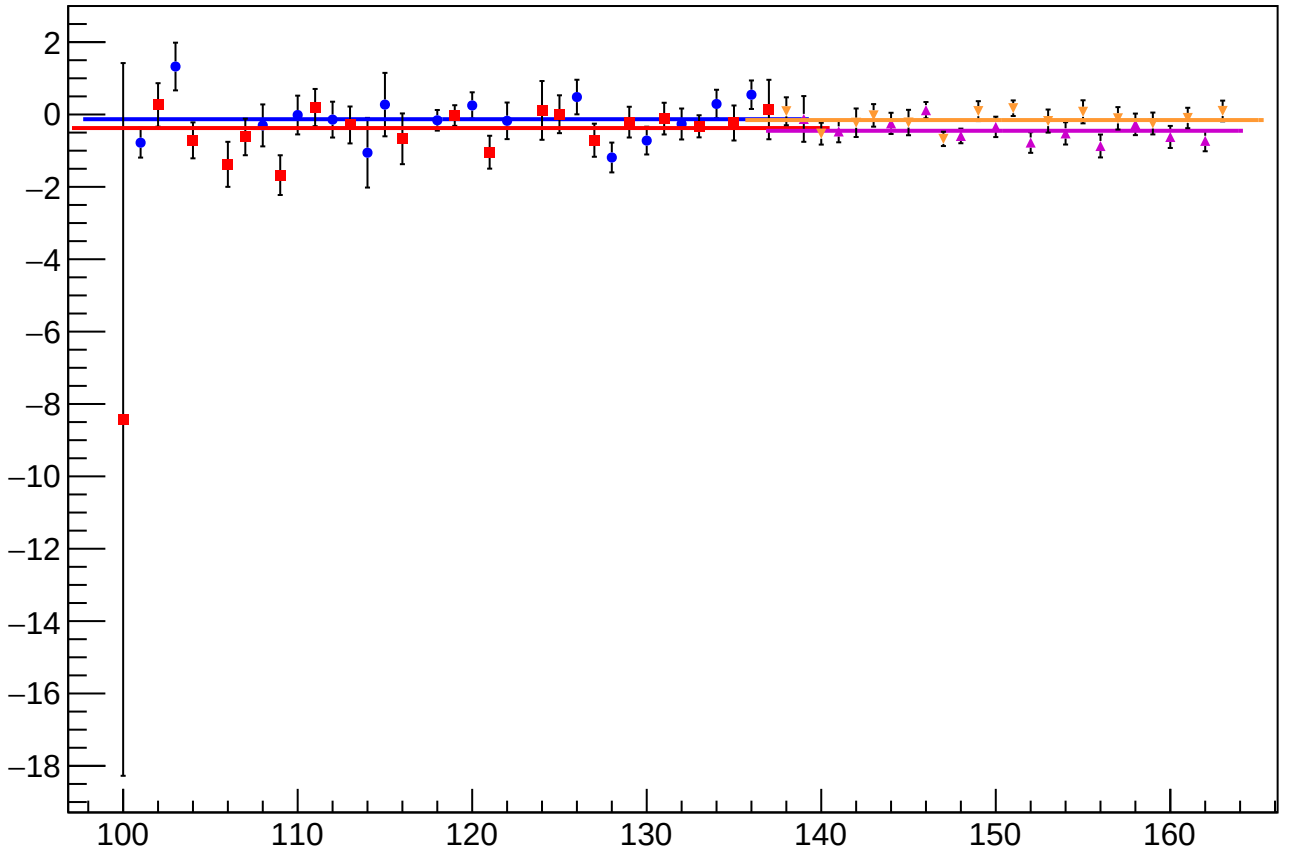
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.039+/-0.003 χ^2/NDF:34.7/27

Out: 0.027+/-0.003 χ^2/NDF:10031.3/30

All: 0.033+/-0.002 χ^2/NDF: 10071.9/58


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: -0.028+/-0.113 χ²/NDF:21.1/13
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.129+/-0.119 χ²/NDF:9.7/11
Left: -0.076+/-0.082 χ²/NDF: 31.2/25
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.227+/-0.080 χ²/NDF:48.6/27
Out: 0.228+/-0.077 χ²/NDF:42.0/32
All: 0.228+/-0.056 χ²/NDF: 90.6/60



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.154+/-0.077 χ^2/NDF:13.7/13

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.450+/-0.082 χ^2/NDF:12.5/11

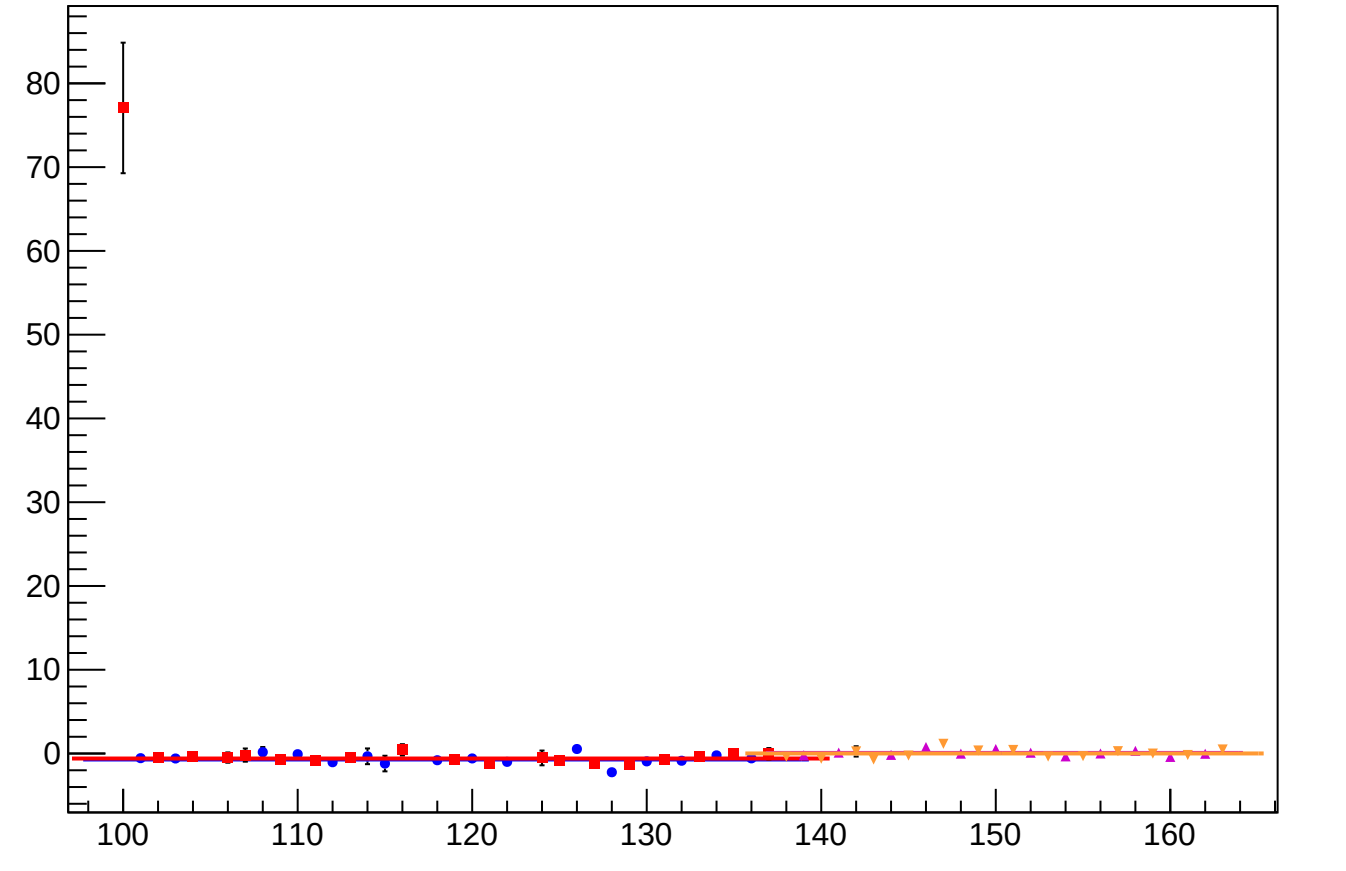
Left: -0.293+/-0.056 χ^2/NDF: 33.2/25

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.338+/-0.066 χ^2/NDF:42.5/27

Out: -0.225+/-0.063 χ^2/NDF:34.6/32

All: -0.279+/-0.046 χ^2/NDF: 78.5/60



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.007+/-0.110 χ^2/NDF:20.9/13

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.069+/-0.115 χ^2/NDF:8.4/11

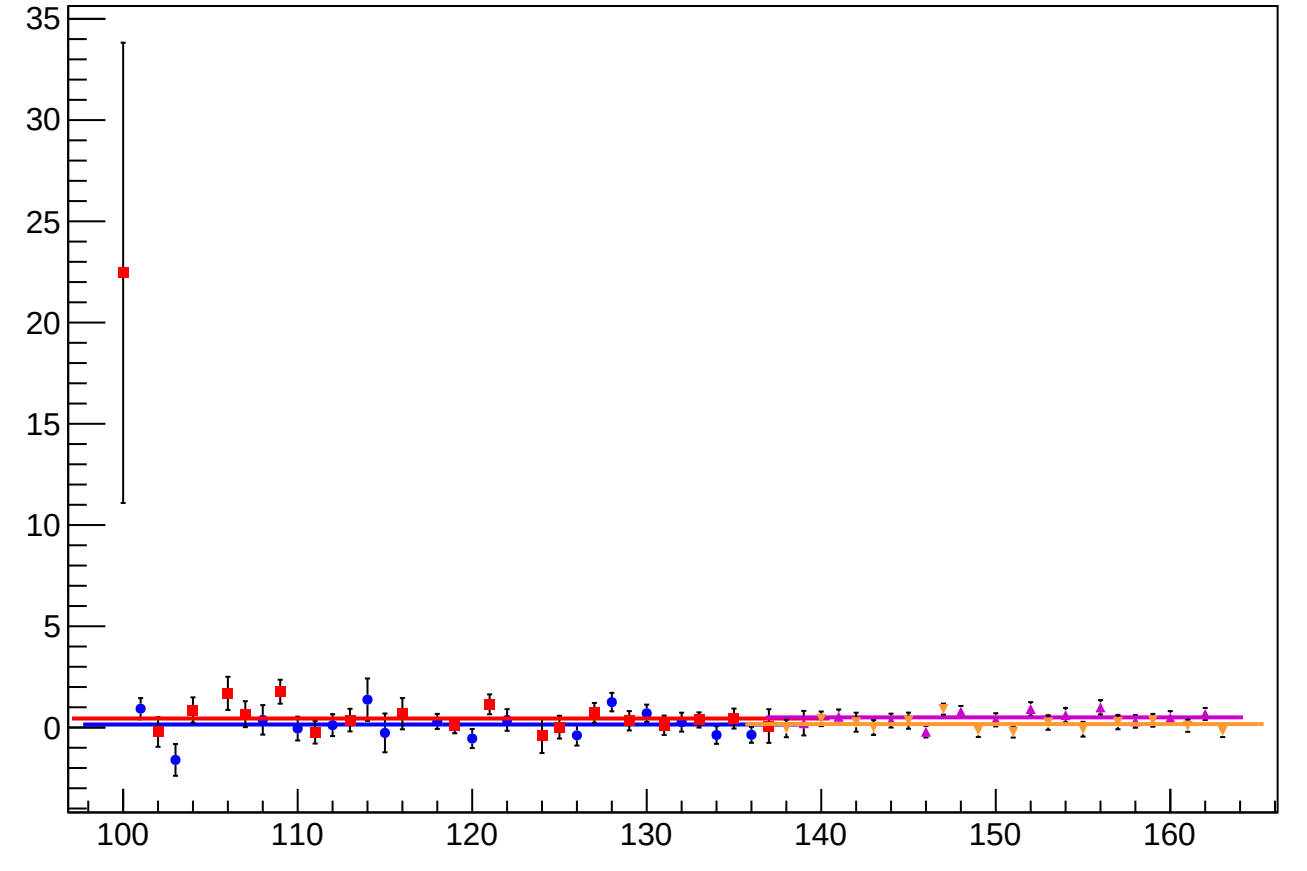
Left: 0.037+/-0.079 χ^2/NDF: 29.5/25

Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.300+/-0.084 χ^2/NDF:55.2/27

Out: -0.265+/-0.082 χ^2/NDF:145.4/32

All: -0.282+/-0.058 χ^2/NDF: 200.7/60



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.170+/-0.090 χ^2/NDF:13.8/13

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.501+/-0.096 χ^2/NDF:12.0/11

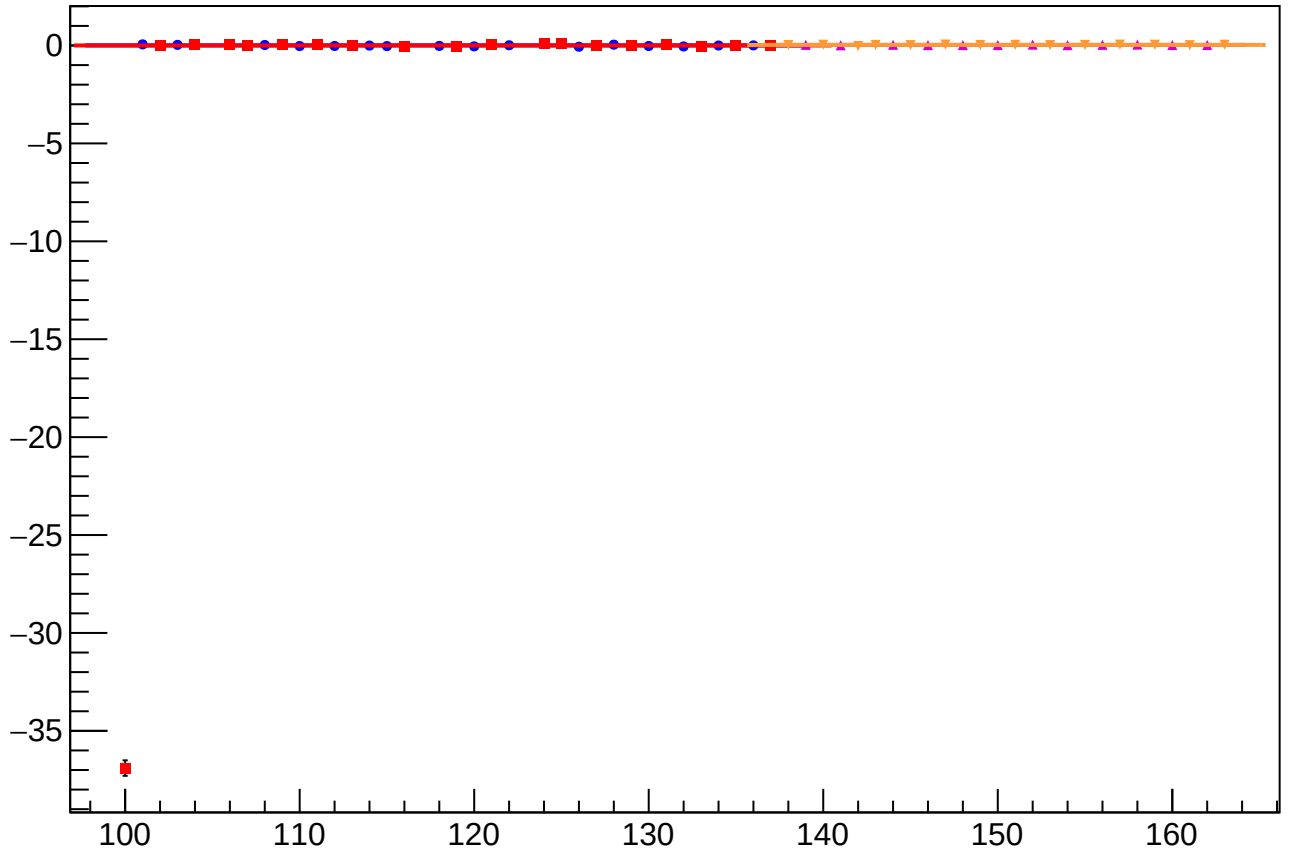
Left: 0.326+/-0.066 χ^2/NDF: 32.0/25

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.374+/-0.077 χ^2/NDF:40.1/27

Out: 0.261+/-0.074 χ^2/NDF:36.6/32

All: 0.315+/-0.053 χ^2/NDF: 77.8/60



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.030+/-0.004 χ^2/NDF:10.7/13

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.030+/-0.004 χ^2/NDF:5.3/11

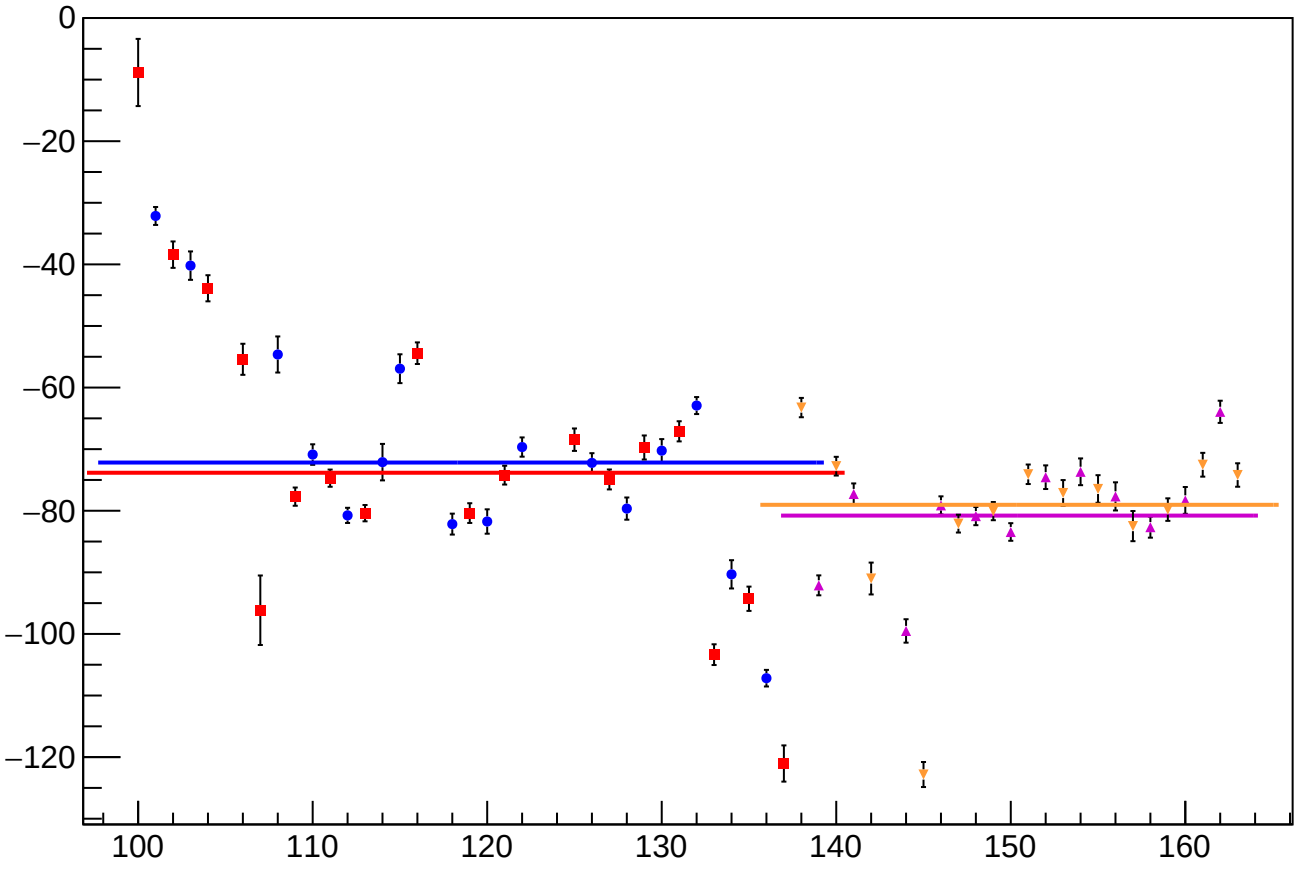
Left: 0.030+/-0.003 χ^2/NDF: 16.0/25

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.004 χ^2/NDF:30.5/27

Out: 0.023+/-0.004 χ^2/NDF:8774.7/32

All: 0.024+/-0.003 χ^2/NDF: 8805.2/60



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -79.037+/-0.500 χ^2/NDF:640.8/12

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -80.787+/-0.503 χ^2/NDF:268.0/11

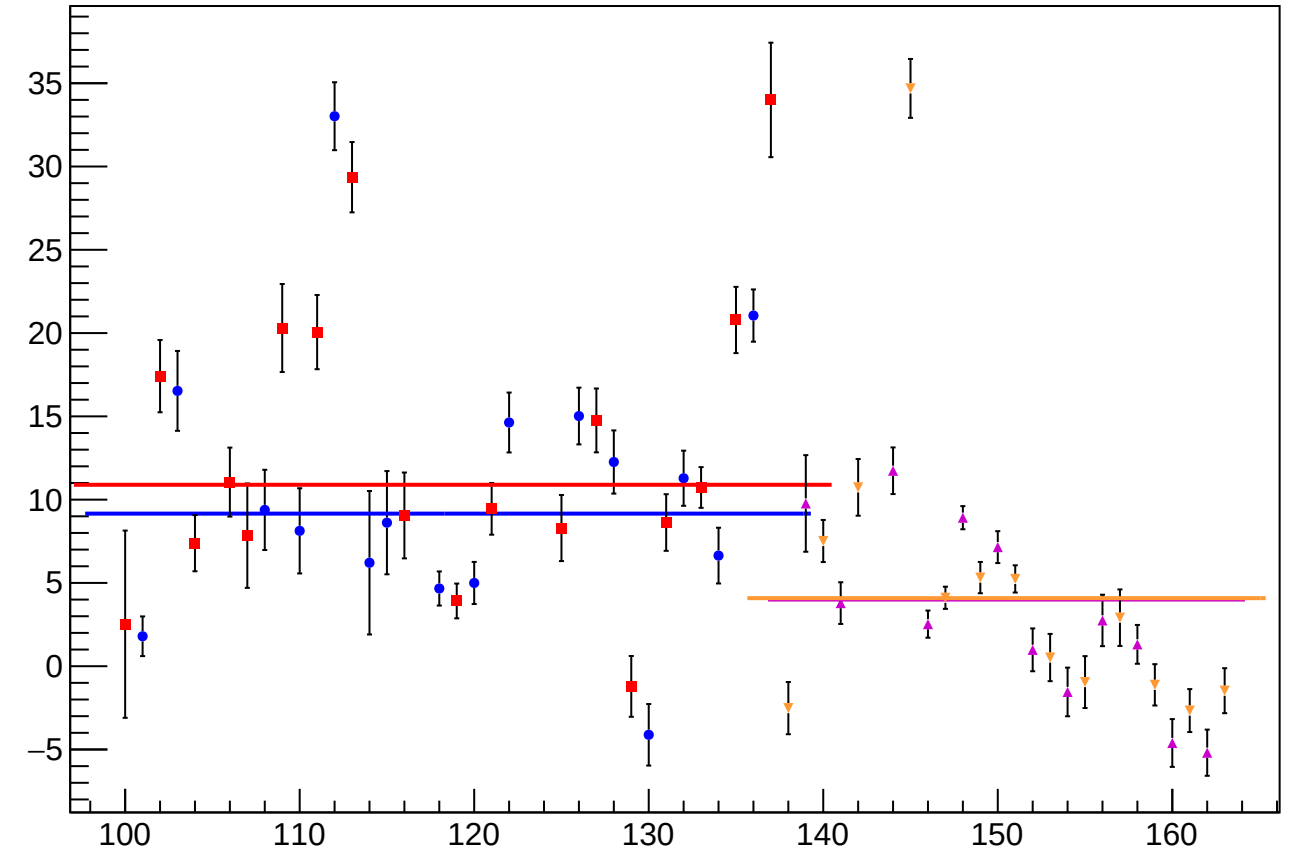
Left: -79.906+/-0.355 χ^2/NDF: 914.9/24

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.829+/-0.328 χ^2/NDF:2372.7/27

Out: -76.048+/-0.326 χ^2/NDF:2260.7/30

All: -75.939+/-0.231 χ^2/NDF: 4633.7/58



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 4.085+/-0.322 χ^2/NDF:423.0/12

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 4.001+/-0.330 χ^2/NDF:204.5/11

Left: 4.044+/-0.231 χ^2/NDF: 627.6/24

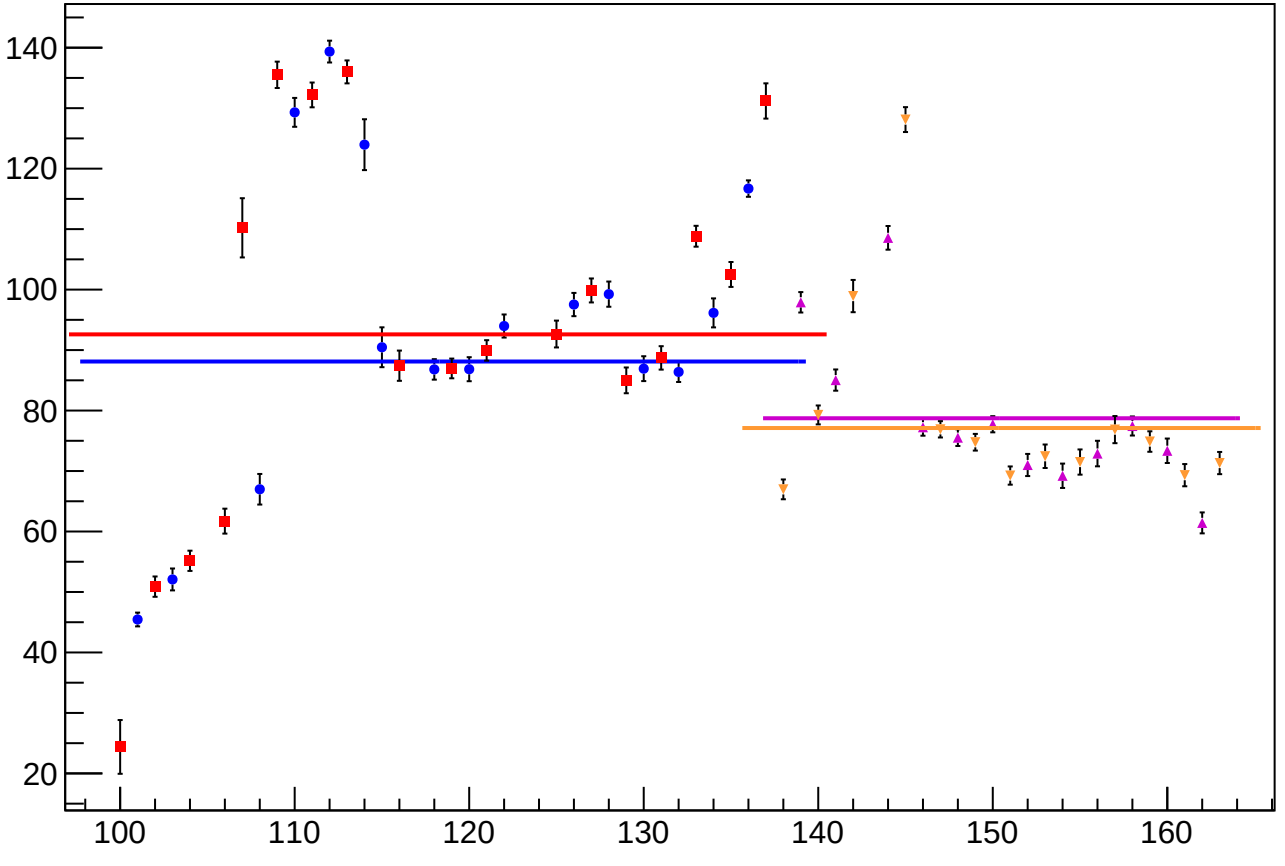
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 5.944+/-0.261 χ^2/NDF:648.5/27

Out: 6.458+/-0.260 χ^2/NDF:869.0/30

All: 6.202+/-0.184 χ^2/NDF: 1519.5/58

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 77.111+/-0.482 χ^2/NDF:794.0/12

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 78.727+/-0.483 χ^2/NDF:536.4/11

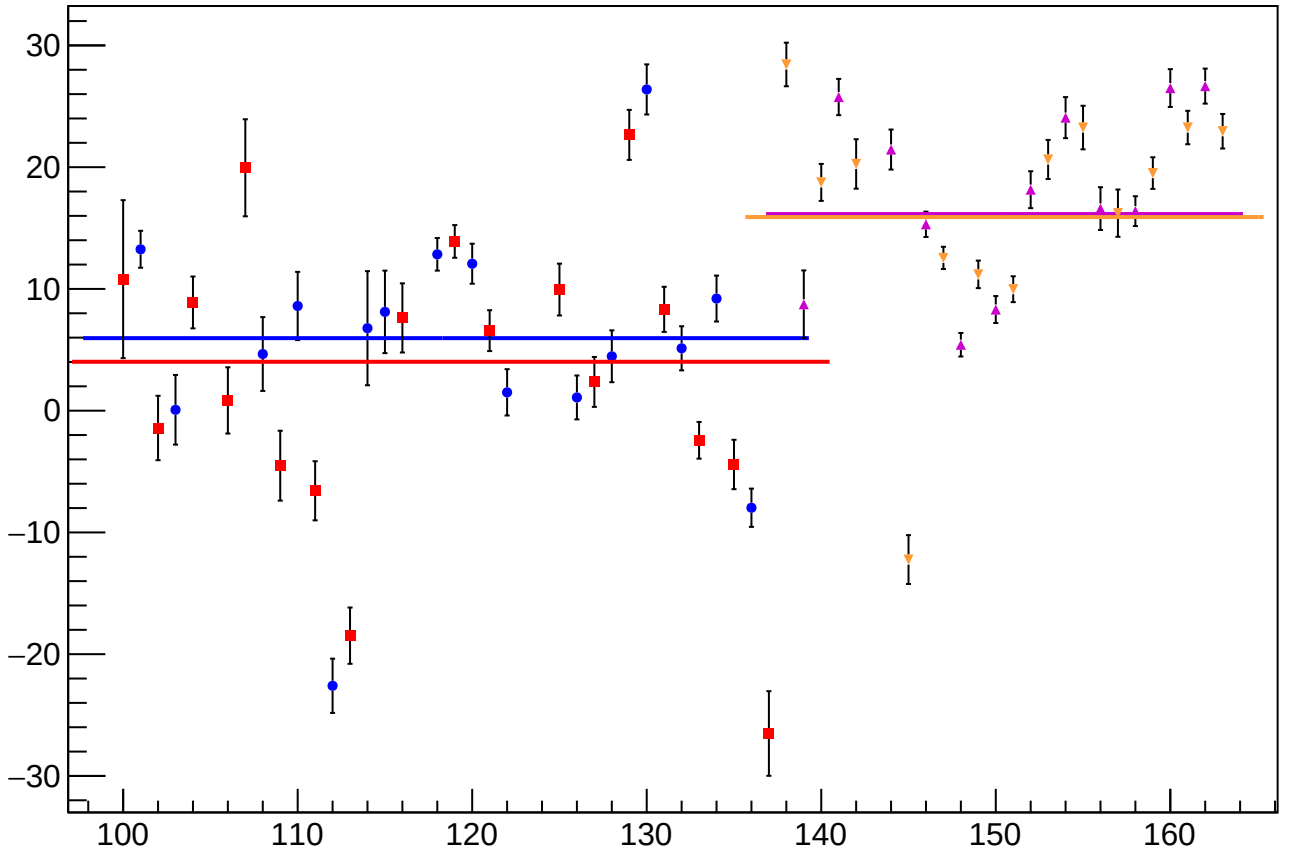
Left: 77.916+/-0.341 χ^2/NDF: 1336.1/24

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 83.562+/-0.336 χ^2/NDF:4292.4/27

Out: 84.831+/-0.341 χ^2/NDF:4520.2/30

All: 84.188+/-0.240 χ^2/NDF: 8819.6/58



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 15.903+/-0.387 χ^2/NDF:402.4/12

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.151+/-0.394 χ^2/NDF:354.9/11

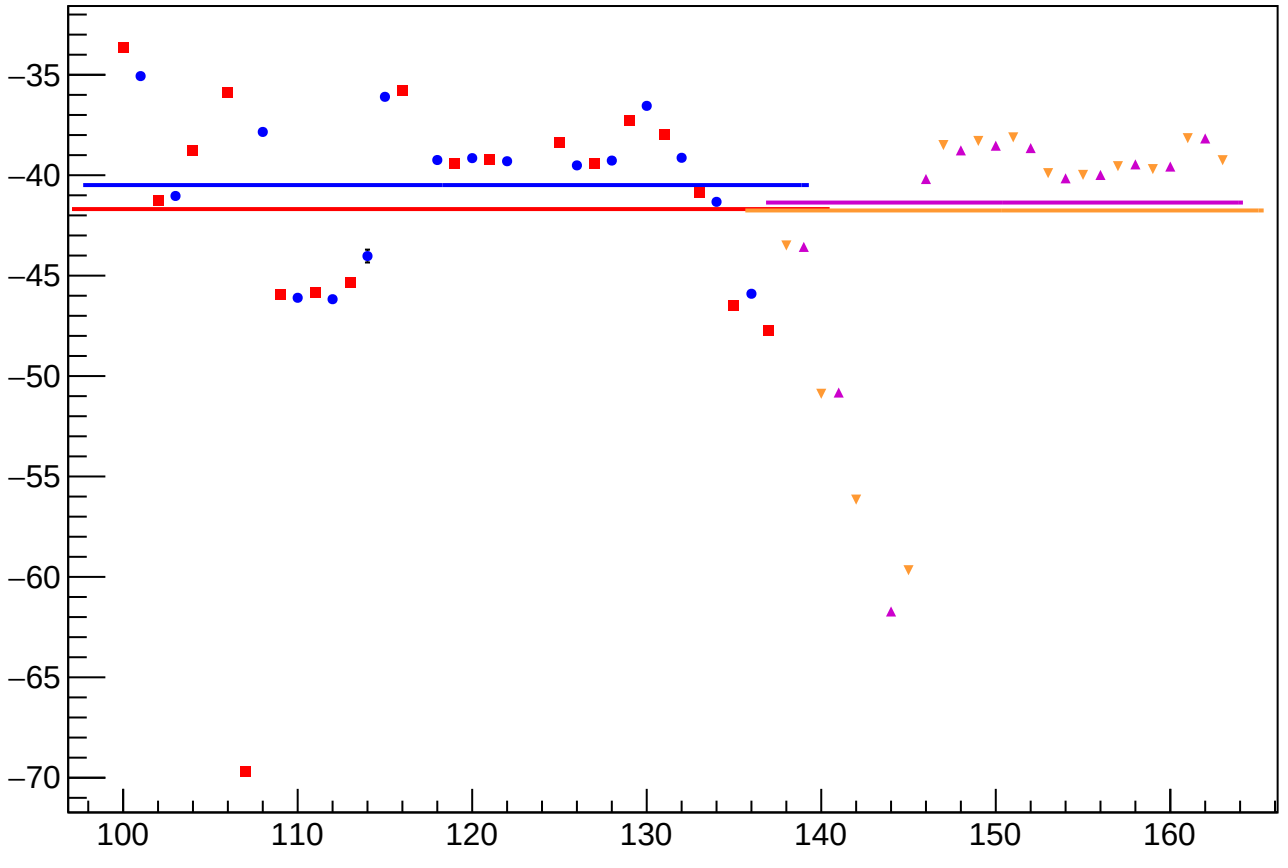
Left: 16.024+/-0.276 χ^2/NDF: 757.5/24

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.192+/-0.308 χ^2/NDF:1041.3/27

Out: 11.561+/-0.308 χ^2/NDF:1165.4/30

All: 11.876+/-0.218 χ^2/NDF: 2208.8/58



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -41.755+/-0.019 χ^2/NDF:102039.9/12

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -41.361+/-0.018 χ^2/NDF:84249.8/11

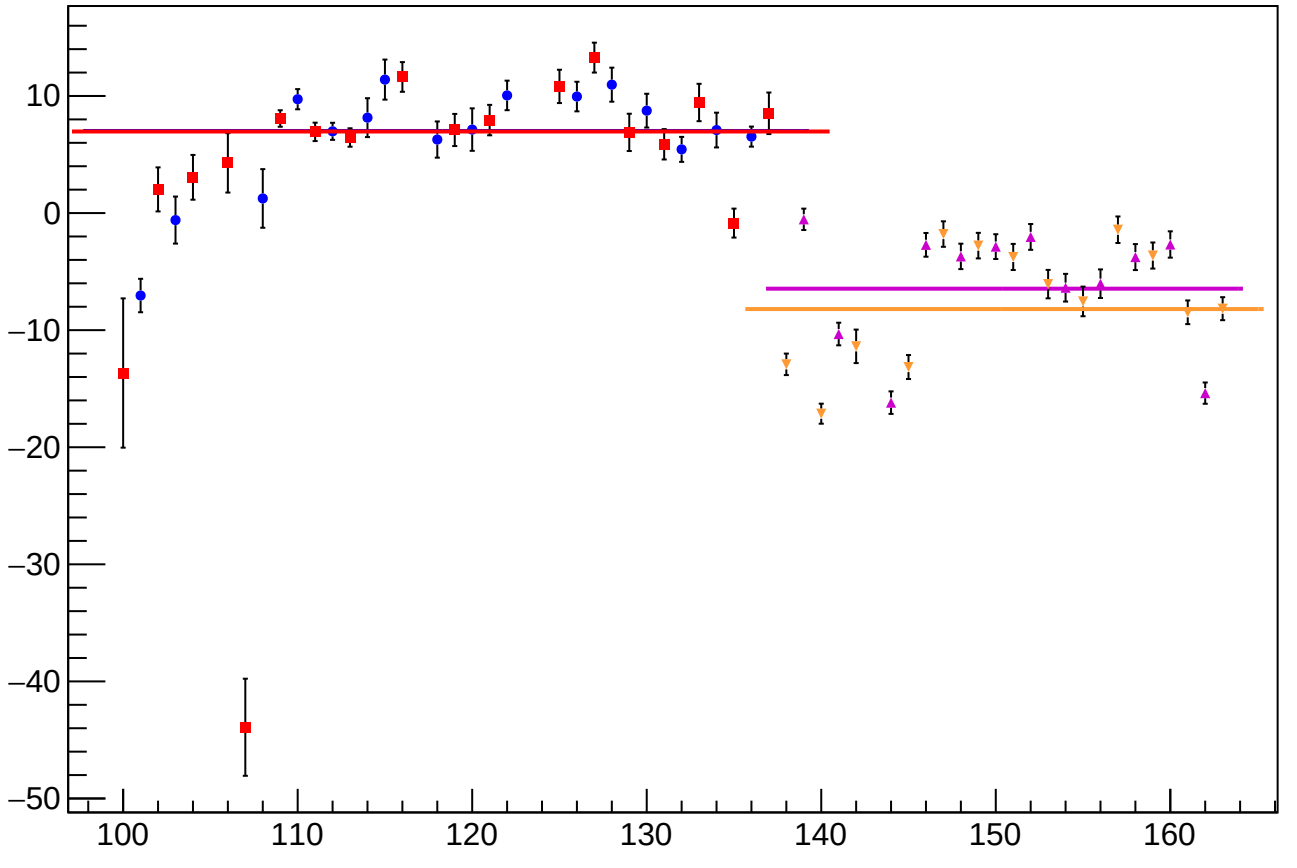
Left: -41.556+/-0.013 χ^2/NDF: 186517.8/24

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -41.104+/-0.015 χ^2/NDF:103041.1/27

Out: -41.735+/-0.016 χ^2/NDF:138882.5/30

All: -41.414+/-0.011 χ^2/NDF: 242749.5/58



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -8.198+/-0.296 χ^2/NDF:295.3/12

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.458+/-0.300 χ^2/NDF:321.9/11

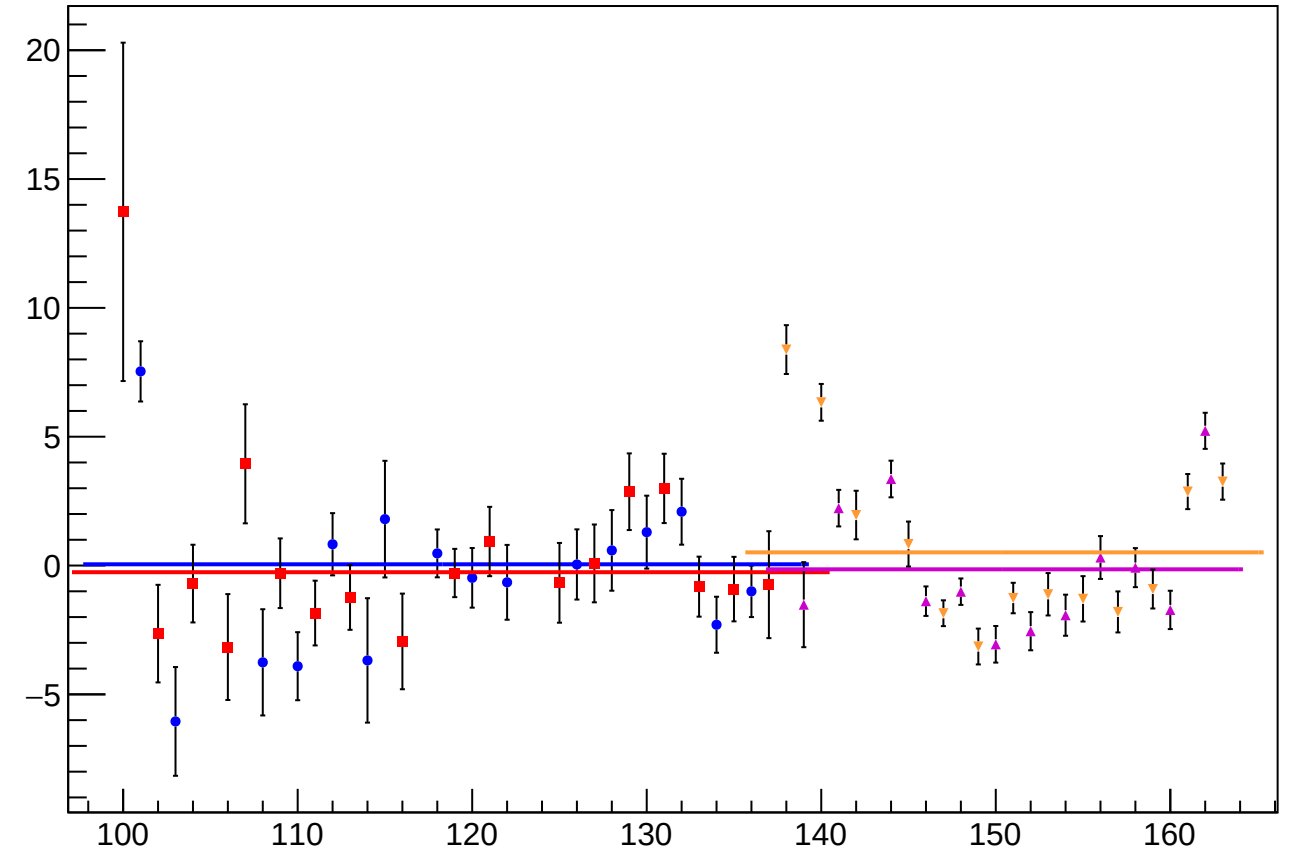
Left: -7.340+/-0.211 χ^2/NDF: 634.3/24

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 0.077+/-0.215 χ^2/NDF:1454.7/27

Out: -0.664+/-0.210 χ^2/NDF:1862.8/30

All: -0.302+/-0.150 χ^2/NDF: 3323.6/58



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.511+/-0.201 χ^2/NDF:244.2/12

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: -0.147+/-0.206 χ^2/NDF:139.7/11

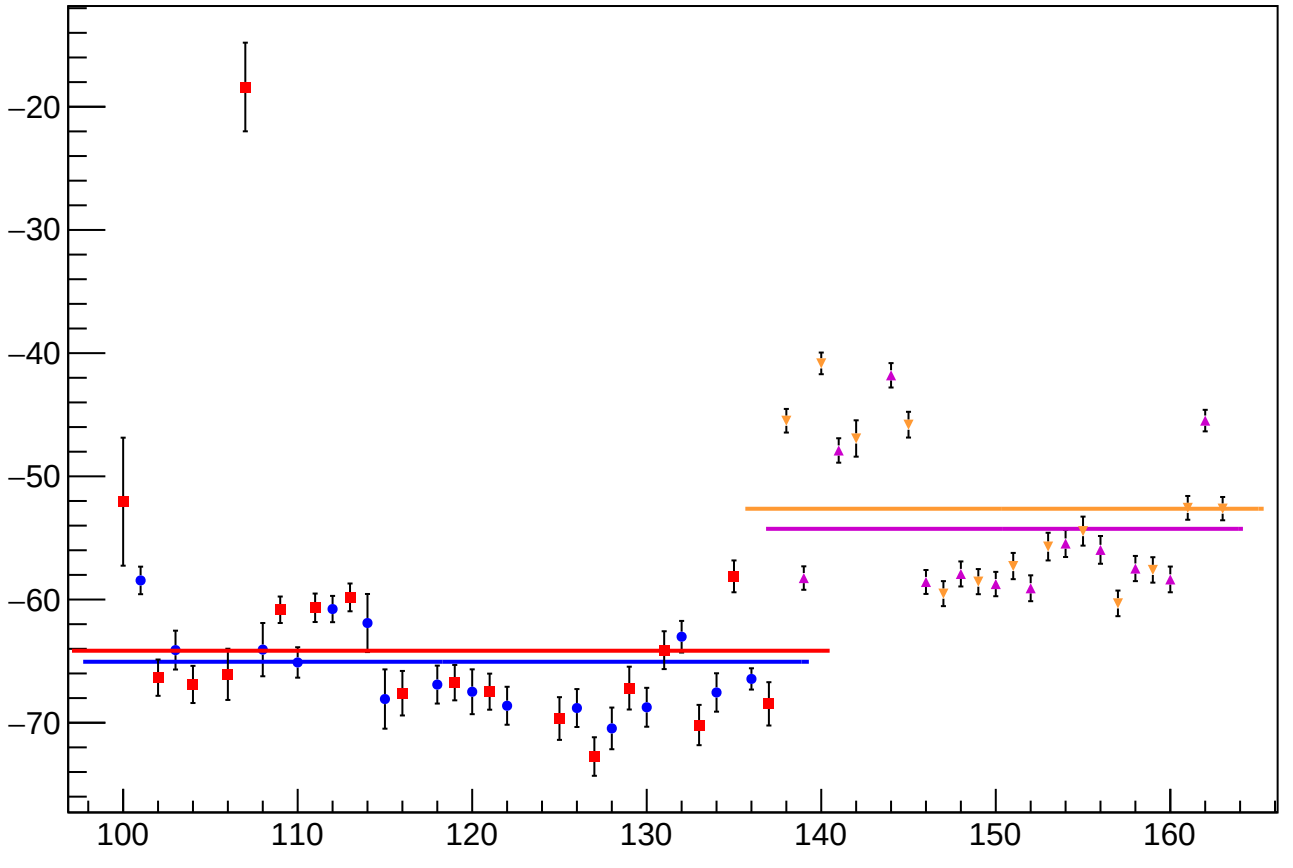
Left: 0.190+/-0.144 χ^2/NDF: 389.1/24

Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

In: -0.092+/-0.175 χ^2/NDF:214.9/27

Out: 0.315+/-0.174 χ^2/NDF:275.4/30

All: 0.113+/-0.123 χ^2/NDF: 493.1/58



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.630+/-0.287 χ^2/NDF:479.7/12

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -54.260+/-0.290 χ^2/NDF:421.4/11

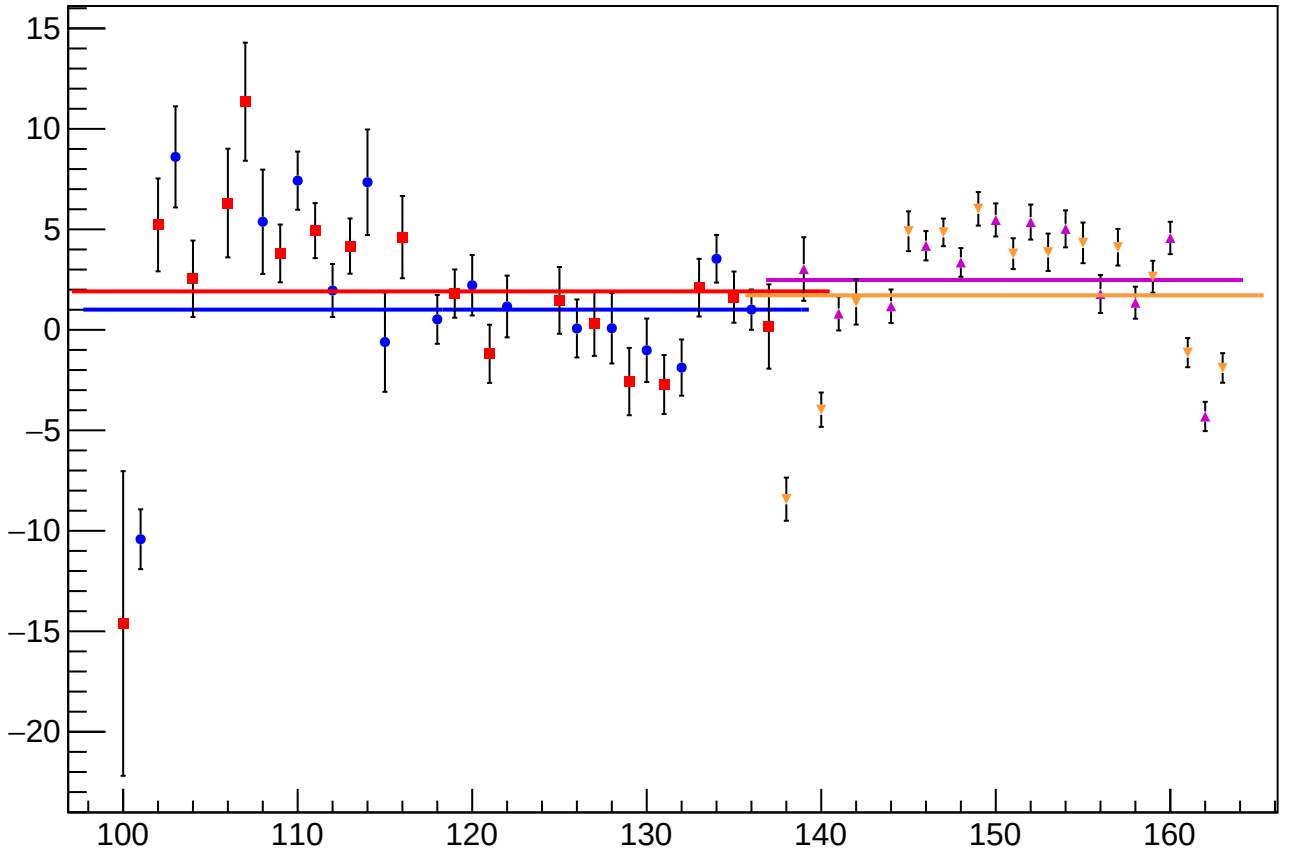
Left: -53.437+/-0.204 χ^2/NDF: 917.1/24

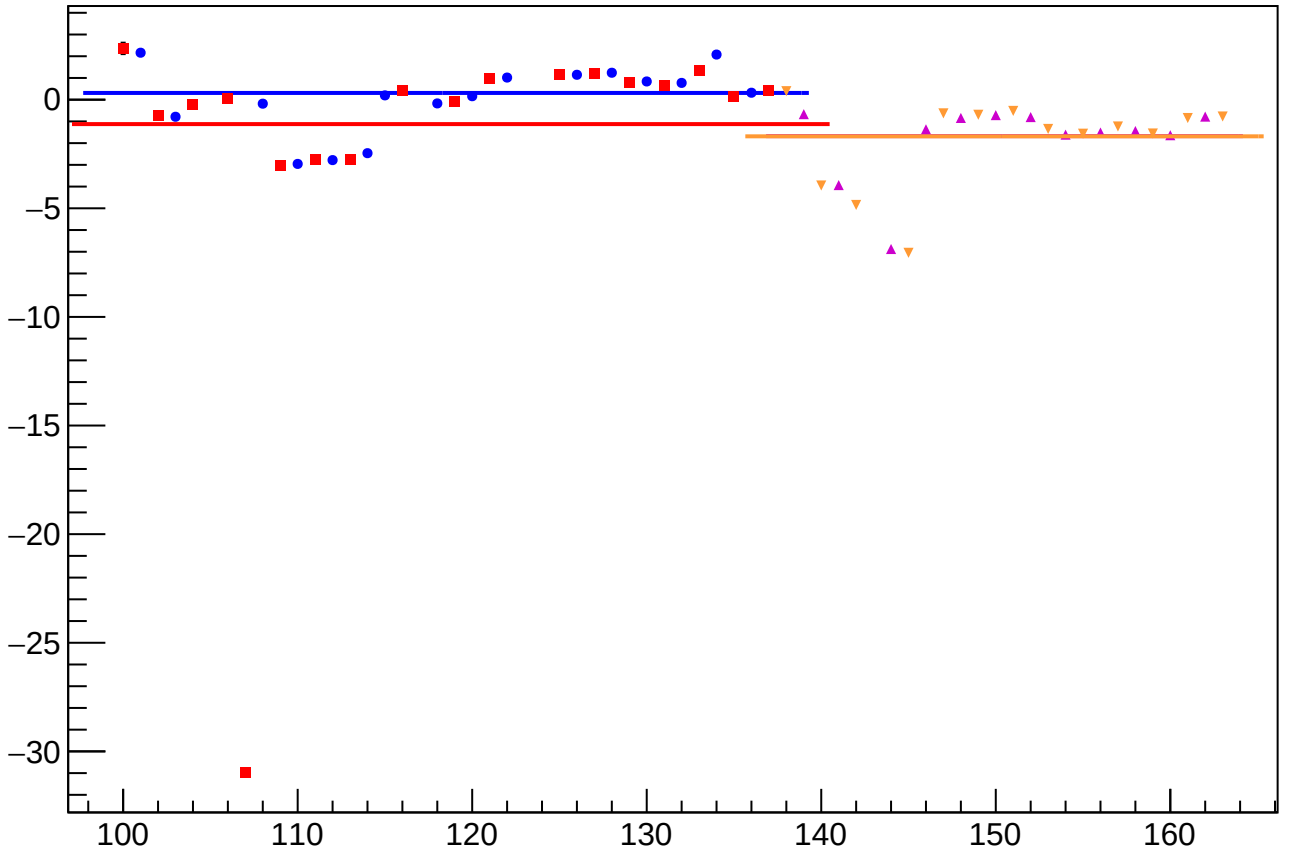
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -58.591+/-0.224 χ^2/NDF:1070.4/27

Out: -57.102+/-0.225 χ^2/NDF:1409.1/30

All: -57.847+/-0.159 χ^2/NDF: 2501.6/58


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 1.718+/-0.236 χ²/NDF:258.6/12
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 2.478+/-0.241 χ²/NDF:141.8/11
Left: 2.090+/-0.169 χ²/NDF: 405.5/24
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.049+/-0.203 χ²/NDF:261.9/27
Out: 1.771+/-0.202 χ²/NDF:313.3/30
All: 1.909+/-0.143 χ²/NDF: 576.2/58



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.687+/-0.011 χ^2/NDF:29499.9/12

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.677+/-0.011 χ^2/NDF:20187.4/11

Left: -1.682+/-0.008 χ^2/NDF: 49687.7/24

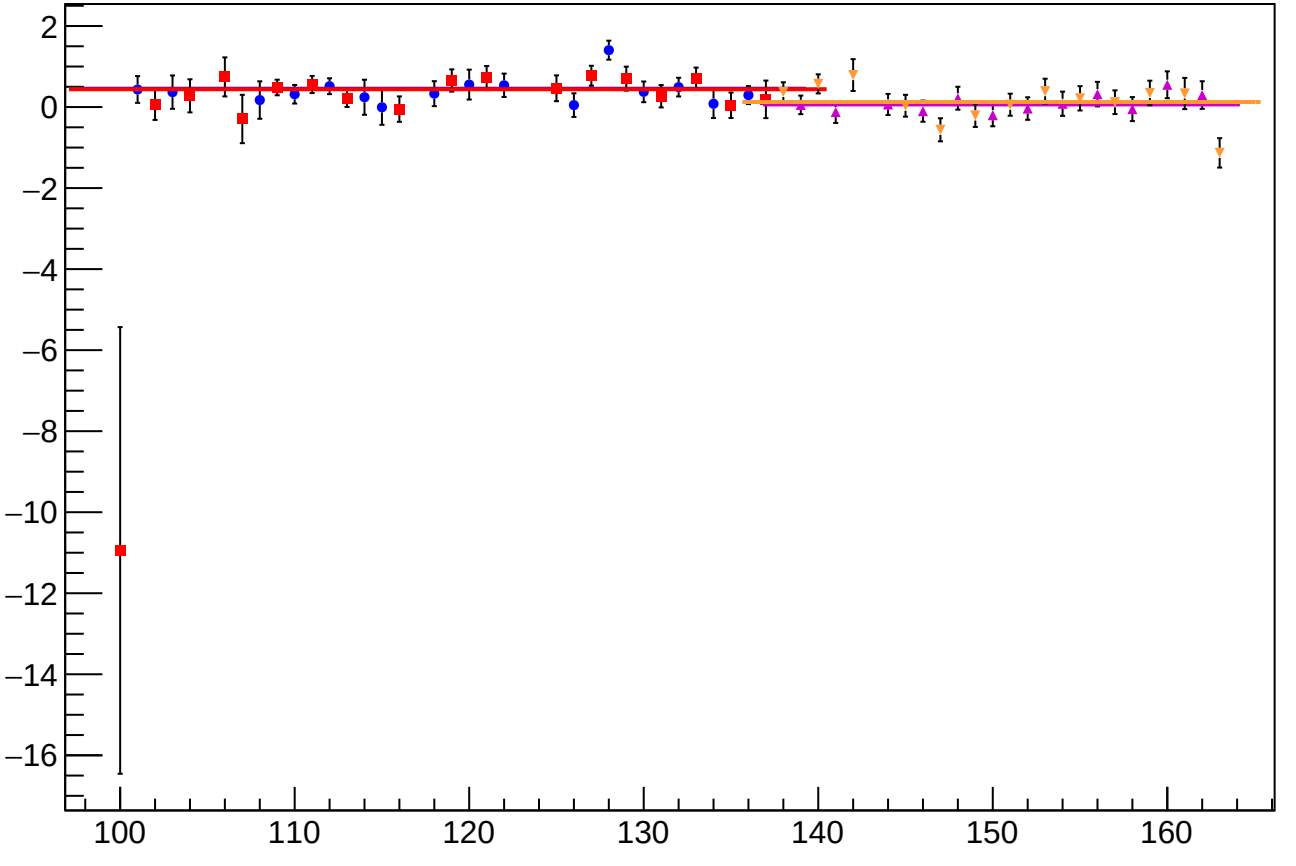
Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -1.259+/-0.010 χ^2/NDF:32062.6/27

Out: -1.579+/-0.010 χ^2/NDF:76366.9/30

All: -1.418+/-0.007 χ^2/NDF: 108974.3/58

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.125+/-0.081 χ^2/NDF:28.5/12

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.064+/-0.081 χ^2/NDF:5.7/11

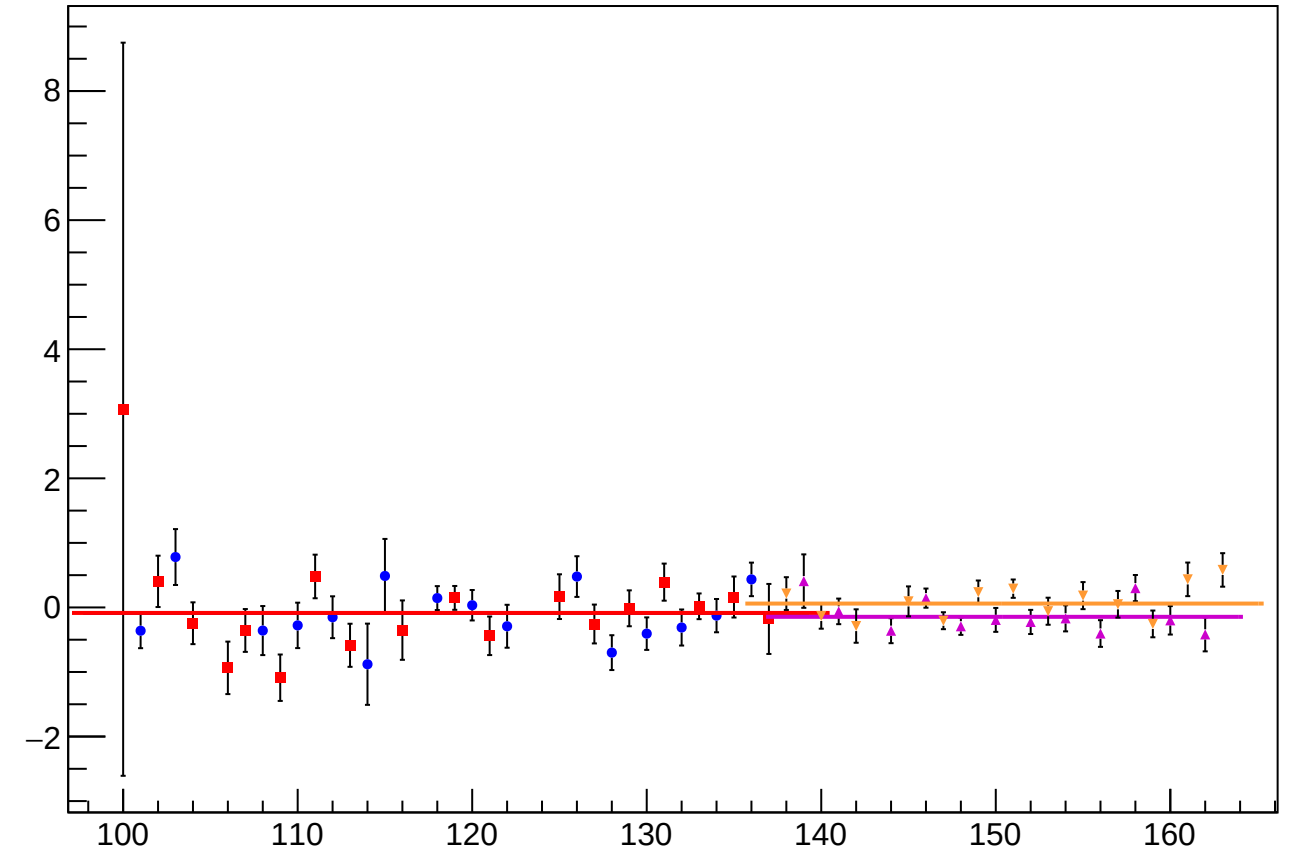
Left: 0.094+/-0.057 χ^2/NDF: 34.5/24

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.283+/-0.053 χ^2/NDF:41.3/27

Out: 0.306+/-0.053 χ^2/NDF:55.8/30

All: 0.295+/-0.038 χ^2/NDF: 97.2/58



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.060+/-0.055 χ^2/NDF:19.9/12

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.145+/-0.056 χ^2/NDF:16.0/11

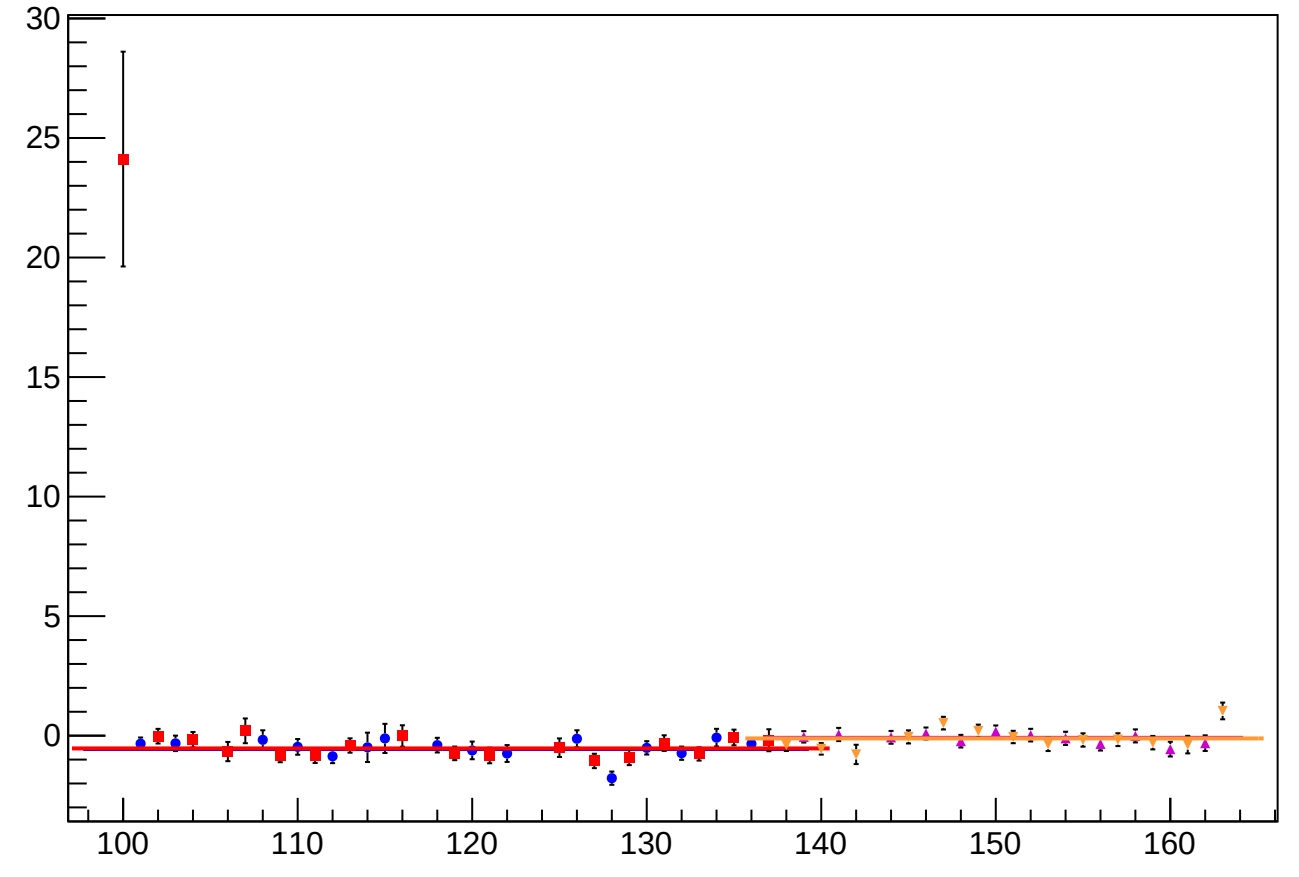
Left: -0.041+/-0.039 χ^2/NDF: 42.8/24

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.124+/-0.044 χ^2/NDF:41.8/27

Out: 0.008+/-0.044 χ^2/NDF:50.3/30

All: -0.057+/-0.031 χ^2/NDF: 96.6/58



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.115+/-0.078 χ^2/NDF:27.0/12

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.092+/-0.078 χ^2/NDF:6.0/11

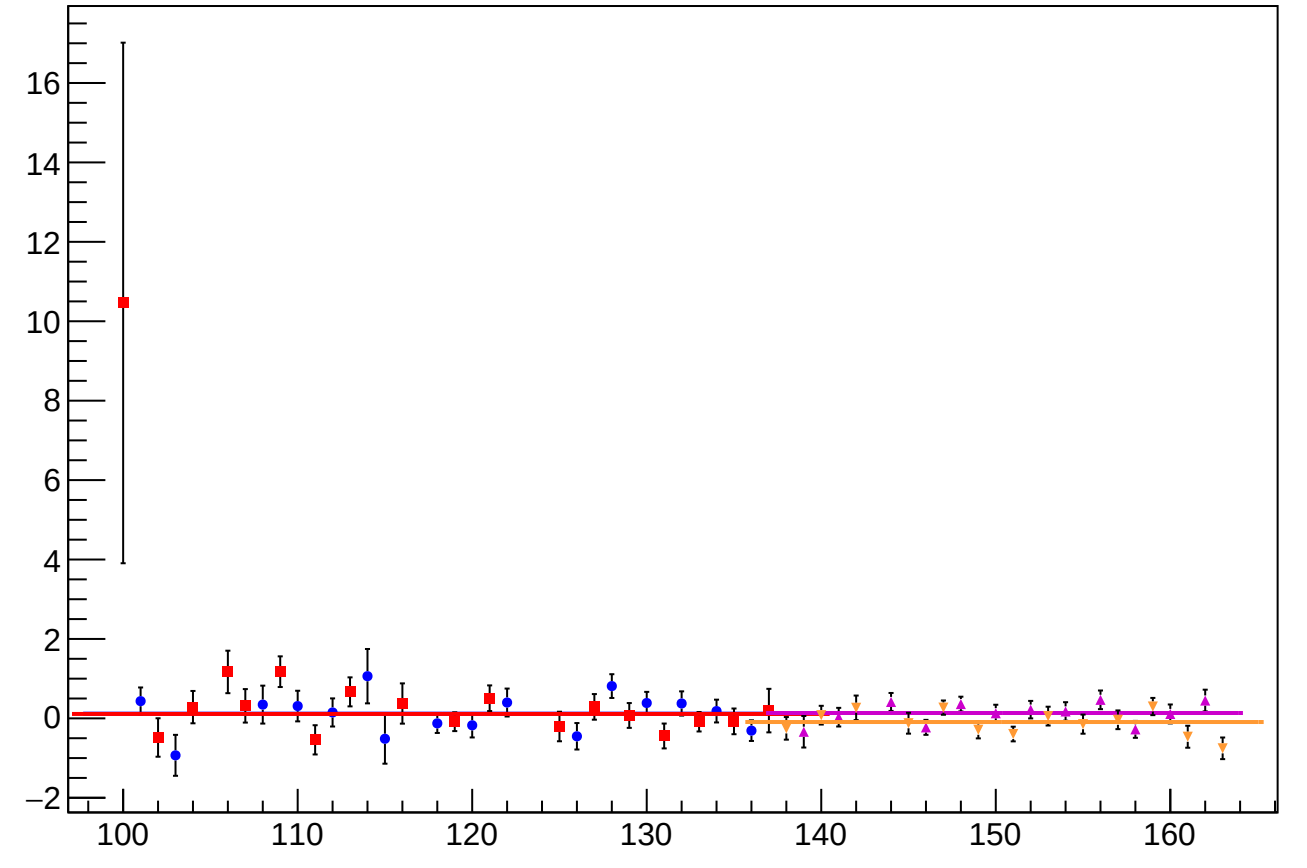
Left: -0.103+/-0.055 χ^2/NDF: 33.1/24

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.321+/-0.056 χ^2/NDF:51.8/27

Out: -0.319+/-0.056 χ^2/NDF:90.0/30

All: -0.320+/-0.040 χ^2/NDF: 141.9/58



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.092+/-0.065 χ^2/NDF:21.2/12

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.135+/-0.065 χ^2/NDF:15.5/11

Left: 0.021+/-0.046 χ^2/NDF: 42.8/24

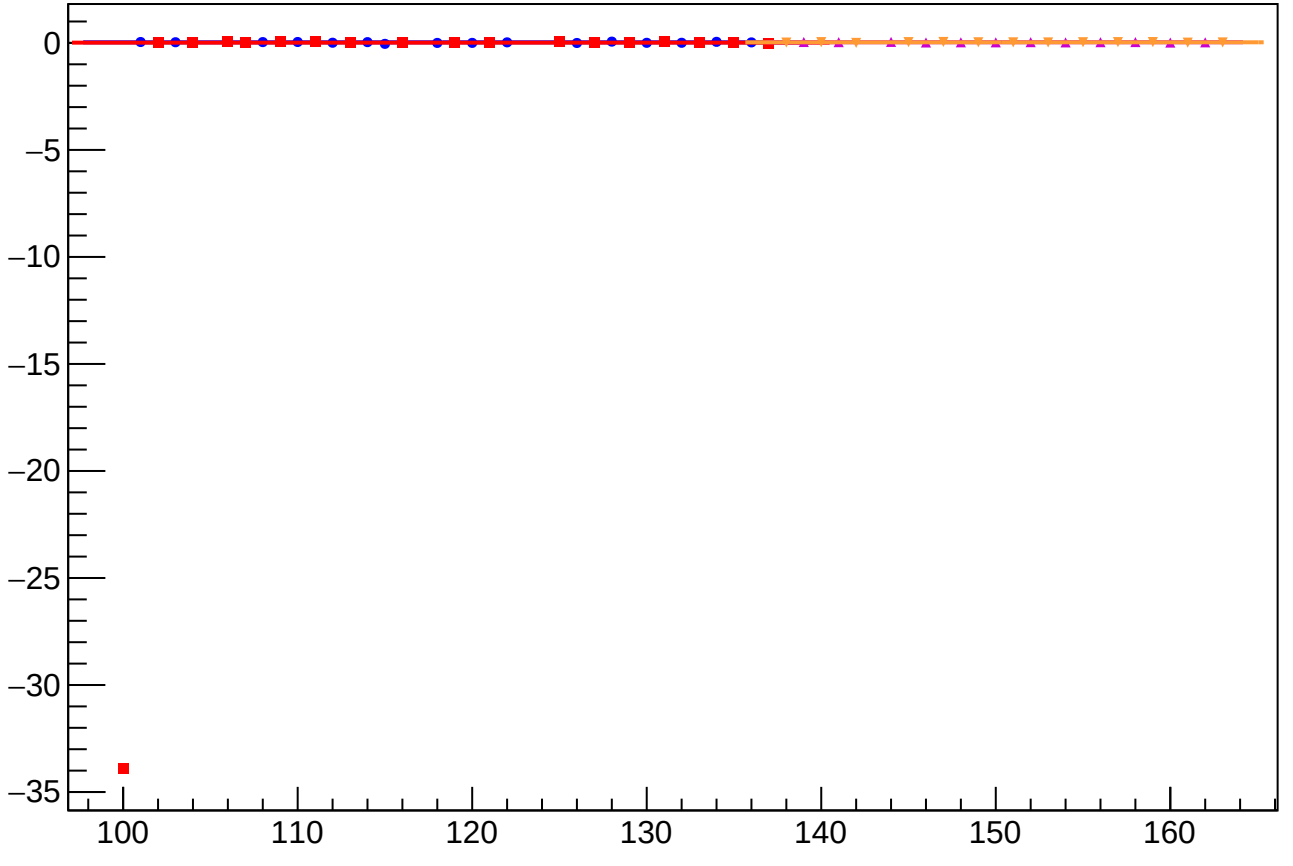
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.129+/-0.052 χ^2/NDF:39.2/27

Out: -0.017+/-0.052 χ^2/NDF:53.8/30

All: 0.056+/-0.036 χ^2/NDF: 97.0/58

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:11.4/12

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.032+/-0.003 χ^2/NDF:8.5/11

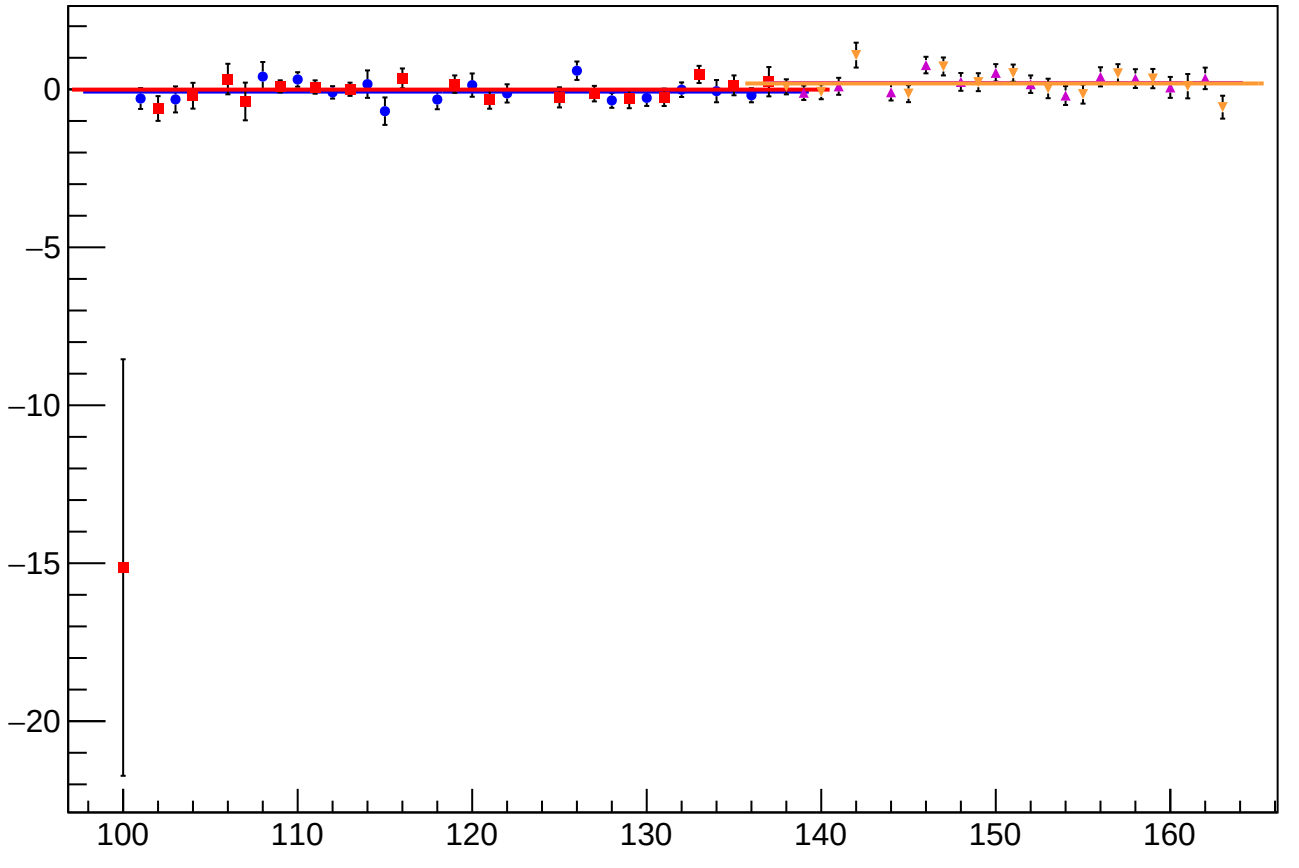
Left: 0.030+/-0.002 χ^2/NDF: 20.7/24

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:23.8/27

Out: 0.024+/-0.003 χ^2/NDF:22281.7/30

All: 0.027+/-0.002 χ^2/NDF: 22309.2/58



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.187+/-0.081 χ^2/NDF:20.4/12

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.203+/-0.081 χ^2/NDF:12.1/11

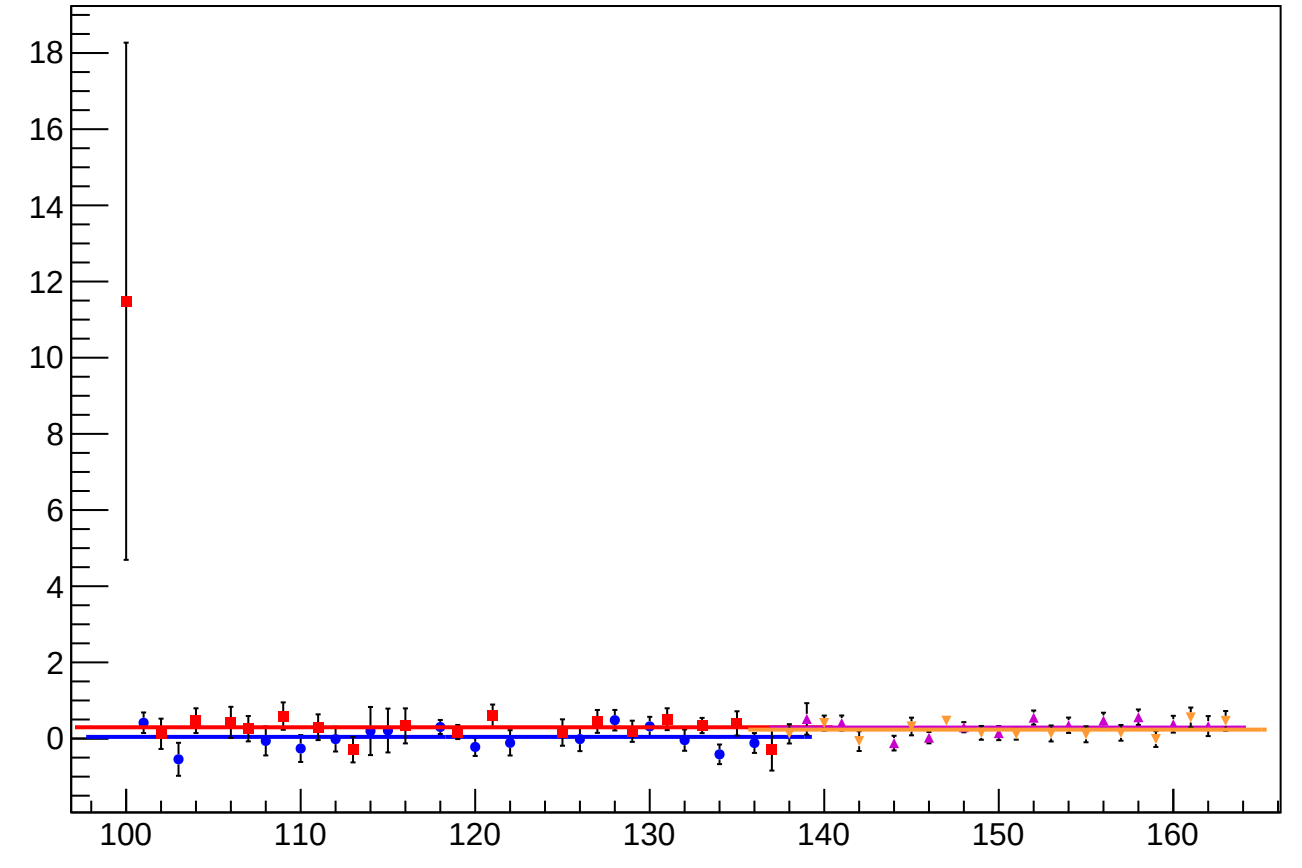
Left: 0.195+/-0.057 χ^2/NDF: 32.6/24

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.049+/-0.053 χ^2/NDF:34.0/27

Out: 0.076+/-0.053 χ^2/NDF:41.9/30

All: 0.062+/-0.038 χ^2/NDF: 76.0/58



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.235+/-0.055 χ^2/NDF:11.0/12

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.288+/-0.056 χ^2/NDF:13.7/11

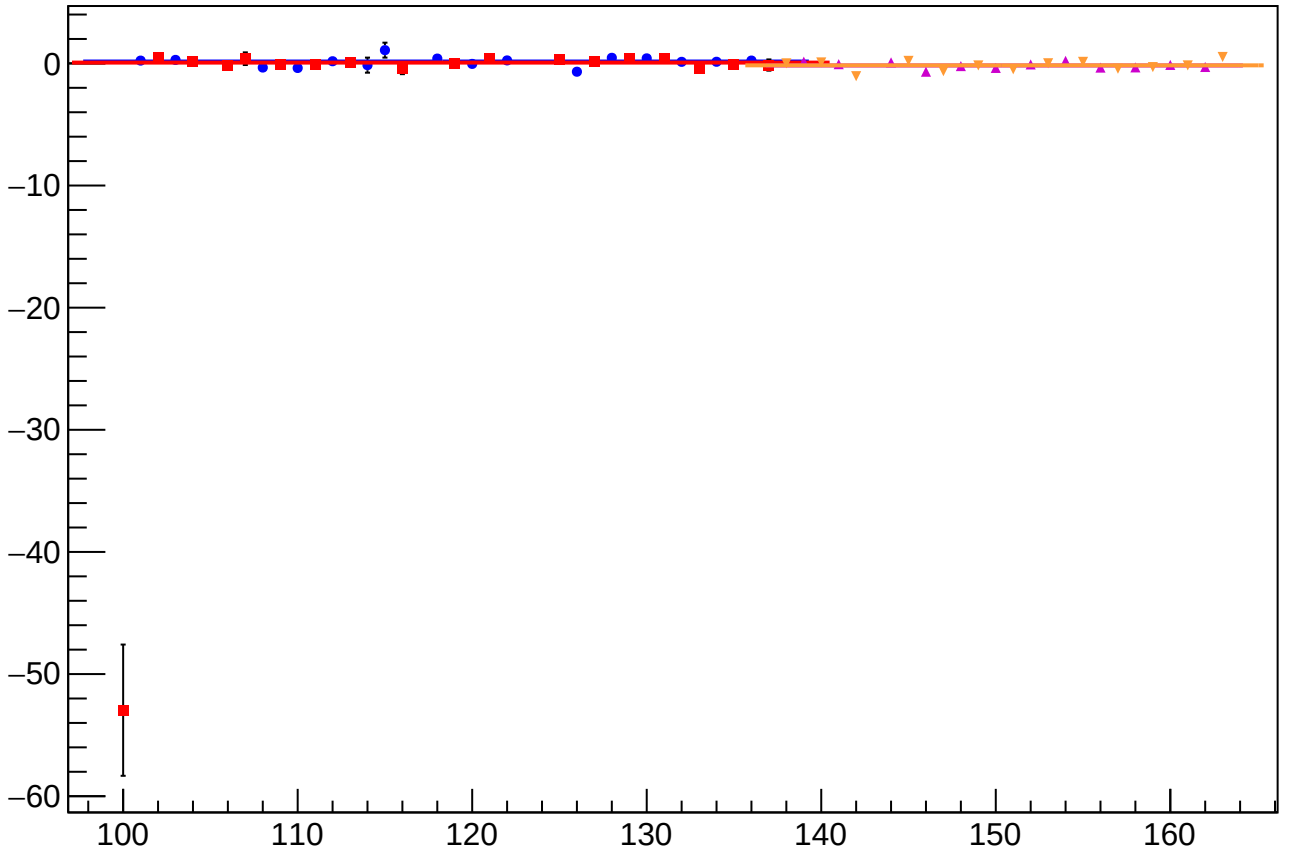
Left: 0.261+/-0.039 χ^2/NDF: 25.2/24

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.199+/-0.044 χ^2/NDF:36.5/27

Out: 0.257+/-0.044 χ^2/NDF:22.4/30

All: 0.228+/-0.031 χ^2/NDF: 59.8/58



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.159+/-0.078 χ^2/NDF:19.3/12

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.171+/-0.078 χ^2/NDF:10.4/11

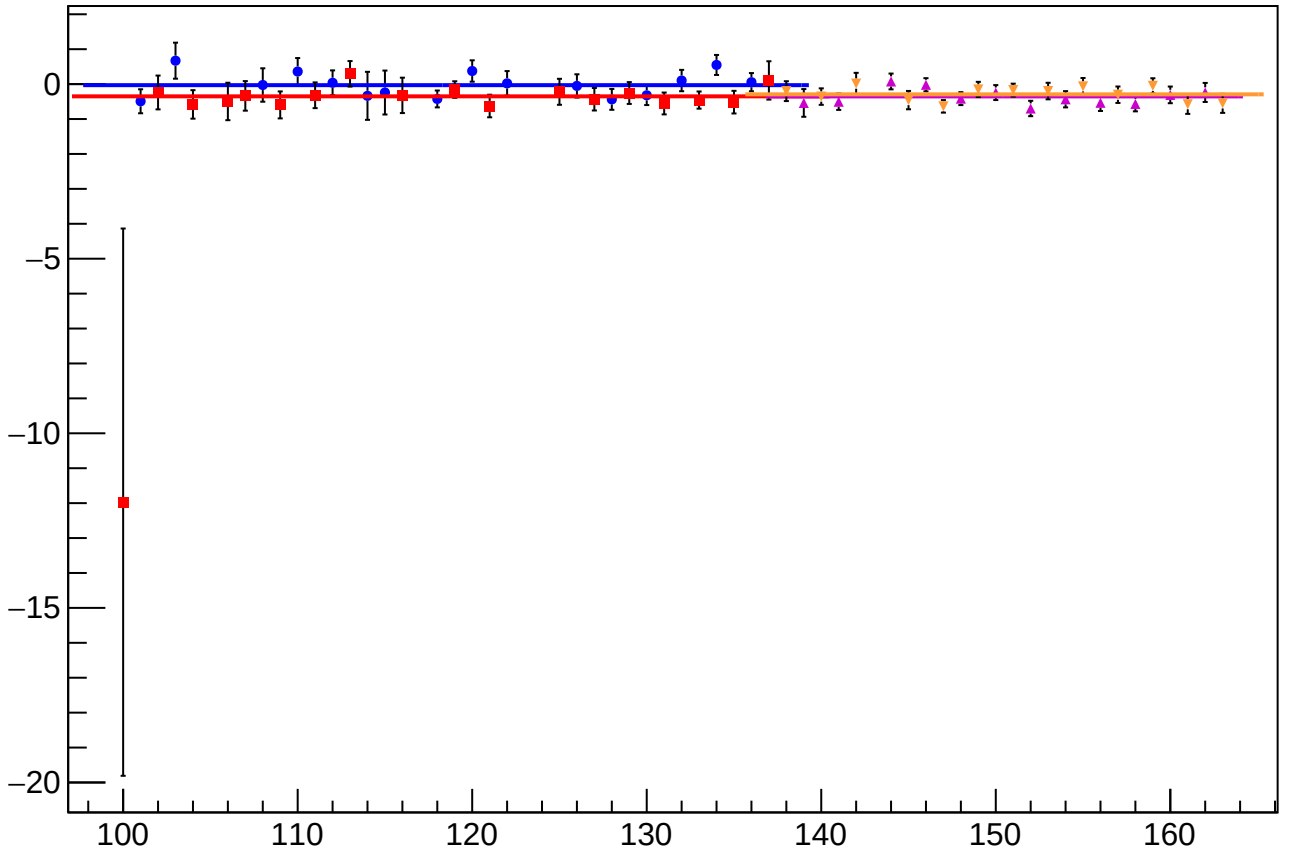
Left: -0.165+/-0.055 χ^2/NDF: 29.7/24

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: -0.012+/-0.056 χ^2/NDF:34.4/27

Out: -0.050+/-0.056 χ^2/NDF:132.6/30

All: -0.031+/-0.040 χ^2/NDF: 167.3/58



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.293+/-0.065 χ^2/NDF:10.3/12

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.352+/-0.065 χ^2/NDF:12.1/11

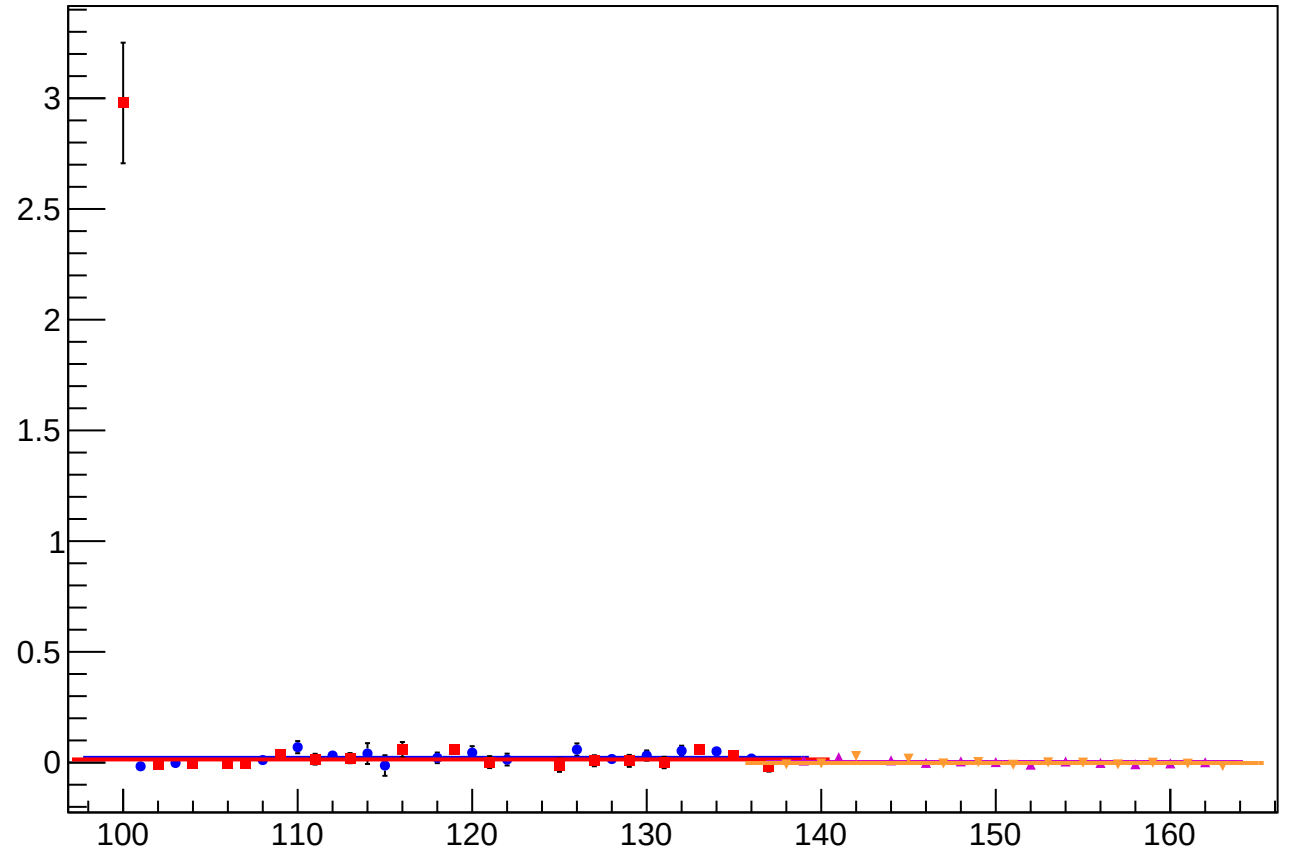
Left: -0.322+/-0.046 χ^2/NDF: 22.9/24

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.230+/-0.052 χ^2/NDF:38.1/27

Out: -0.314+/-0.052 χ^2/NDF:20.1/30

All: -0.272+/-0.036 χ^2/NDF: 59.5/58



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.002+/-0.003 χ^2/NDF:9.9/12

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:8.2/11

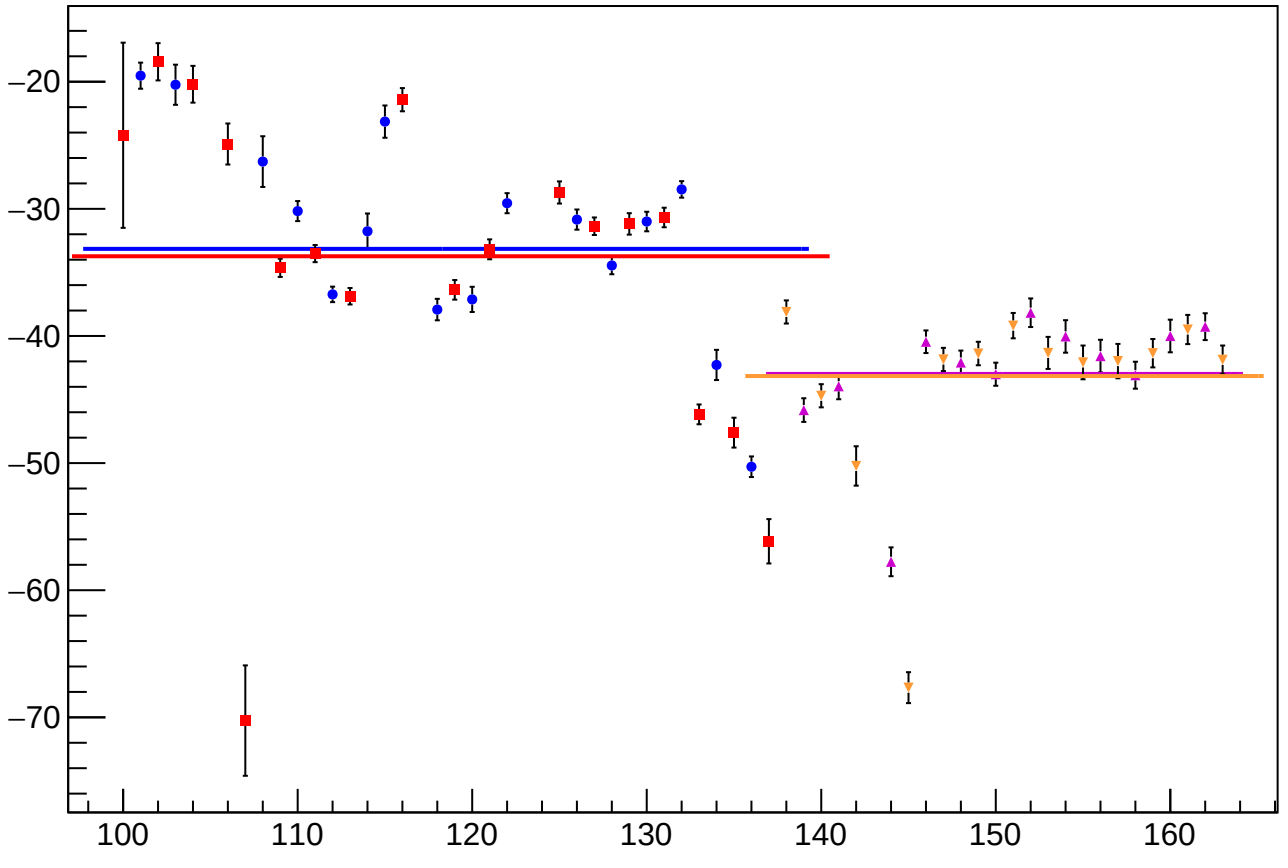
Left: 0.000+/-0.002 χ^2/NDF: 19.3/24

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.008+/-0.003 χ^2/NDF:41.9/27

Out: 0.002+/-0.003 χ^2/NDF:158.7/30

All: 0.005+/-0.002 χ^2/NDF: 202.7/58



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -43.153+/-0.302 χ^2/NDF:498.9/12

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -42.987+/-0.303 χ^2/NDF:231.8/11

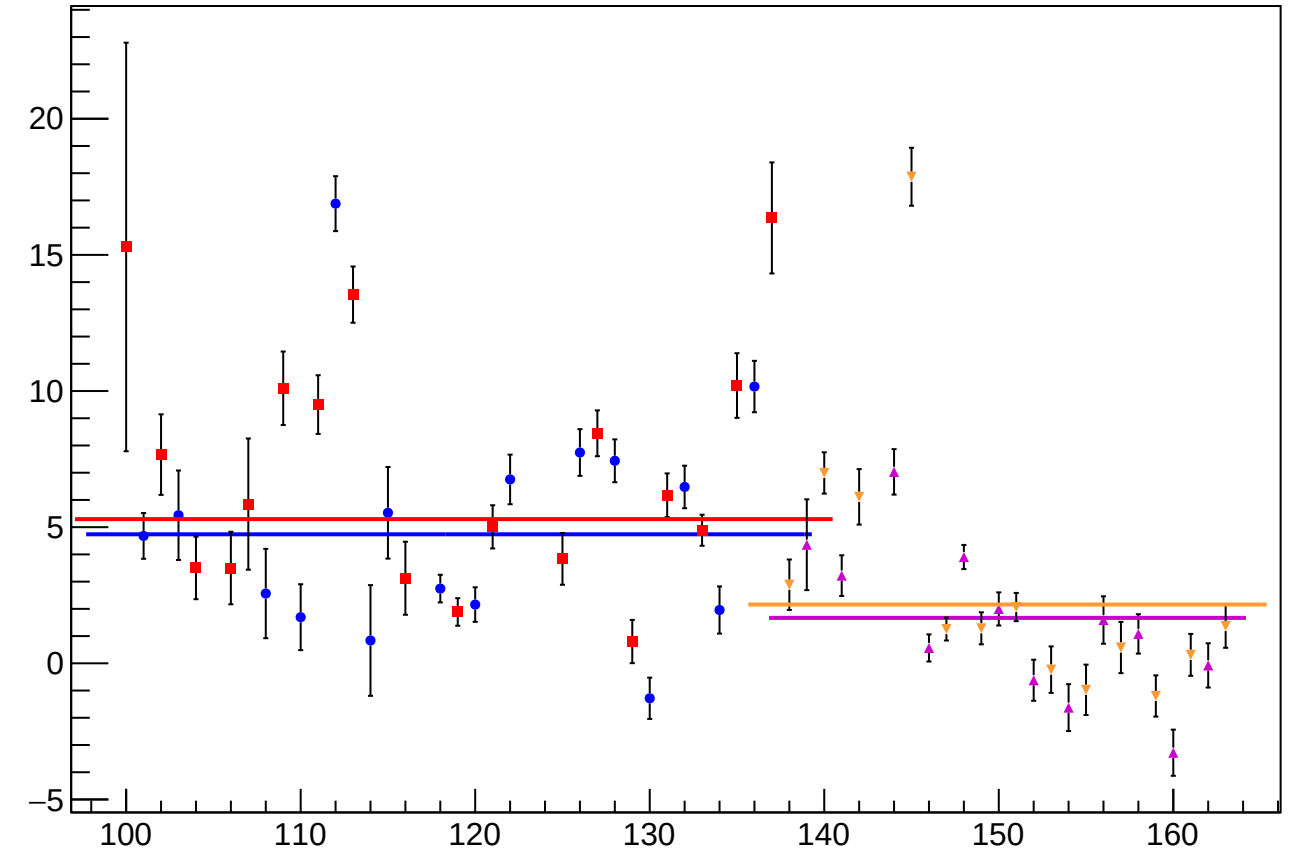
Left: -43.070+/-0.214 χ^2/NDF: 730.8/24

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.505+/-0.177 χ^2/NDF:1940.9/27

Out: -36.900+/-0.175 χ^2/NDF:2294.3/30

All: -36.705+/-0.124 χ^2/NDF: 4237.7/58



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.159+/-0.197 χ^2/NDF:329.7/12

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.668+/-0.202 χ^2/NDF:142.0/11

Left: 1.919+/-0.141 χ^2/NDF: 474.7/24

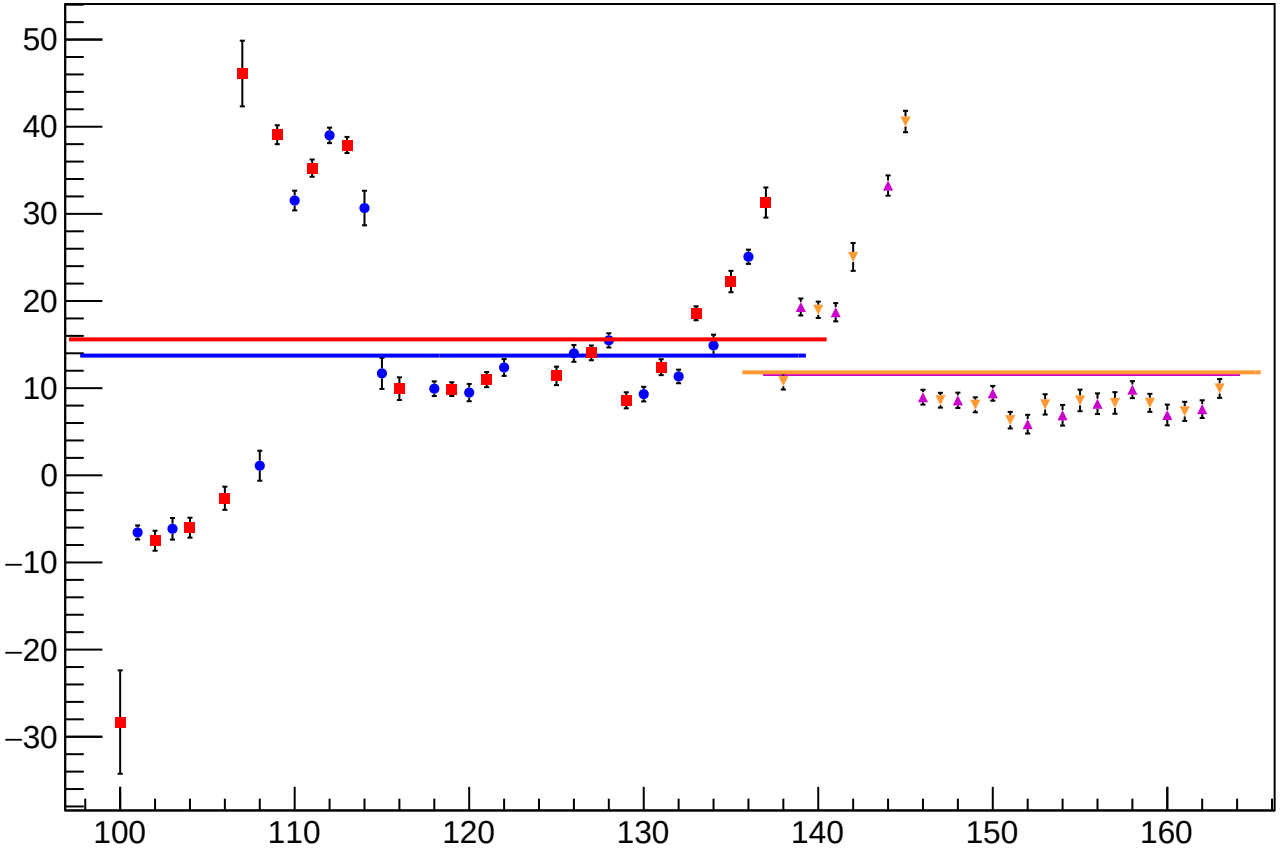
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.075+/-0.148 χ^2/NDF:577.9/27

Out: 3.533+/-0.148 χ^2/NDF:685.5/30

All: 3.305+/-0.105 χ^2/NDF: 1268.1/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 11.814+/-0.291 χ^2/NDF:796.1/12

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 11.623+/-0.291 χ^2/NDF:567.9/11

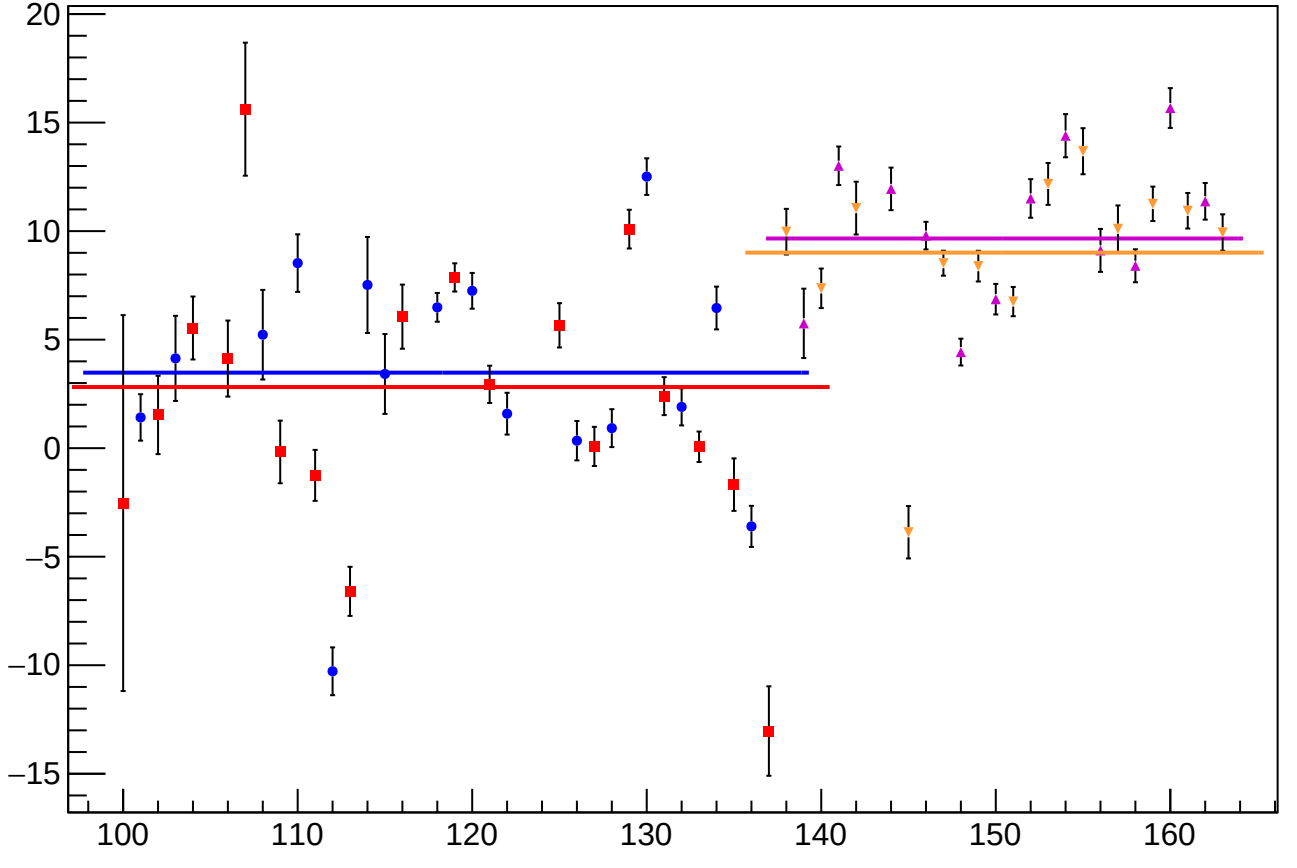
Left: 11.718+/-0.206 χ^2/NDF: 1364.2/24

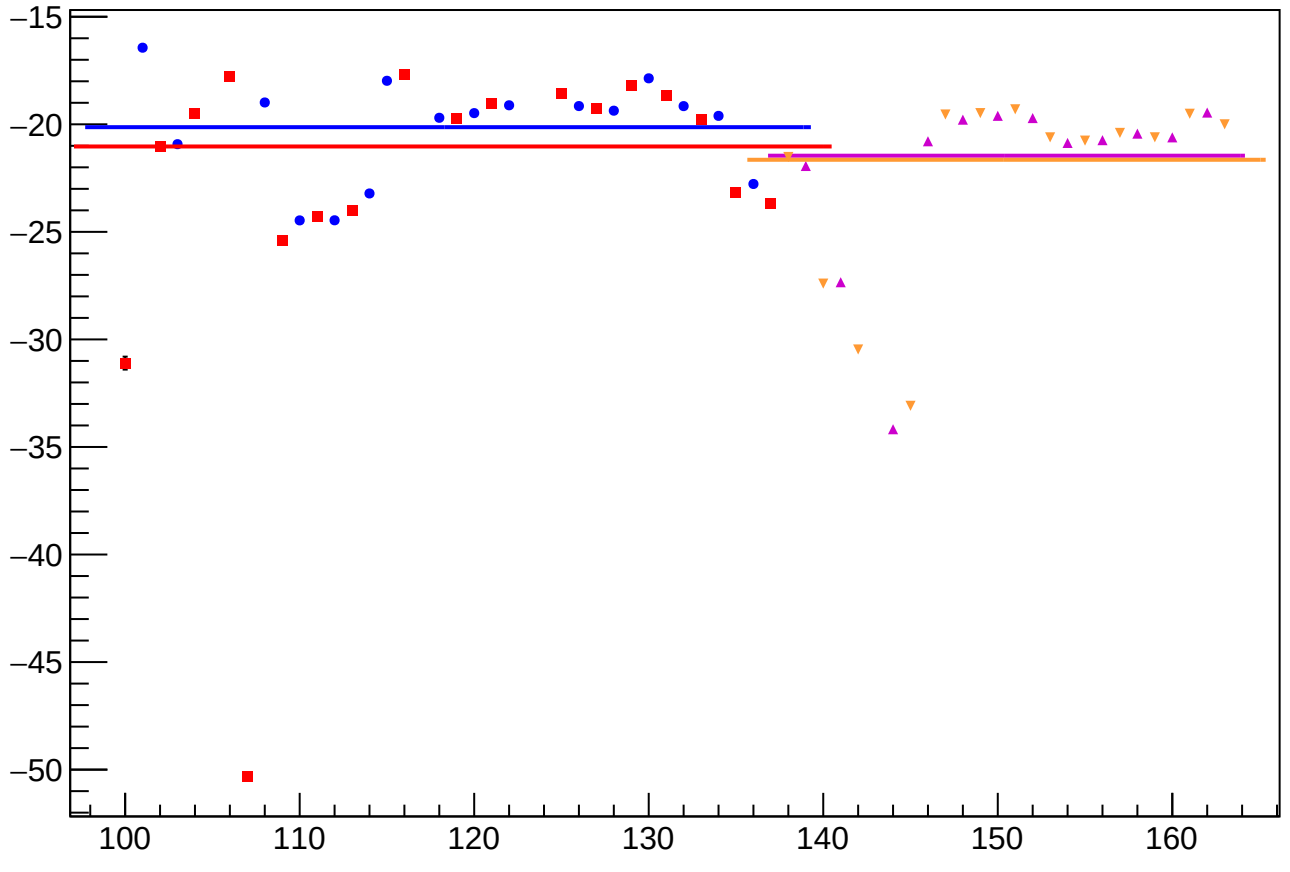
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

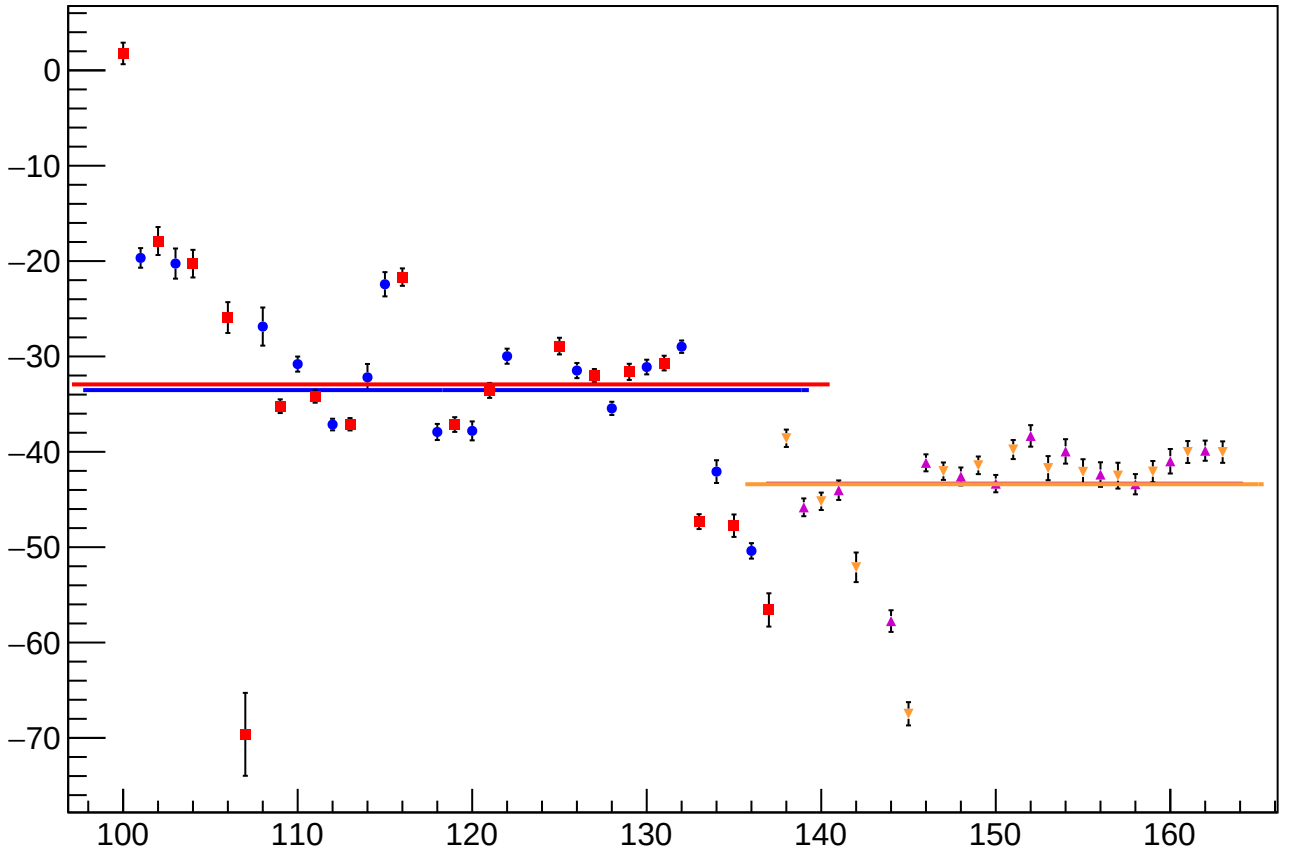
In: 12.855+/-0.188 χ^2/NDF:2948.4/27

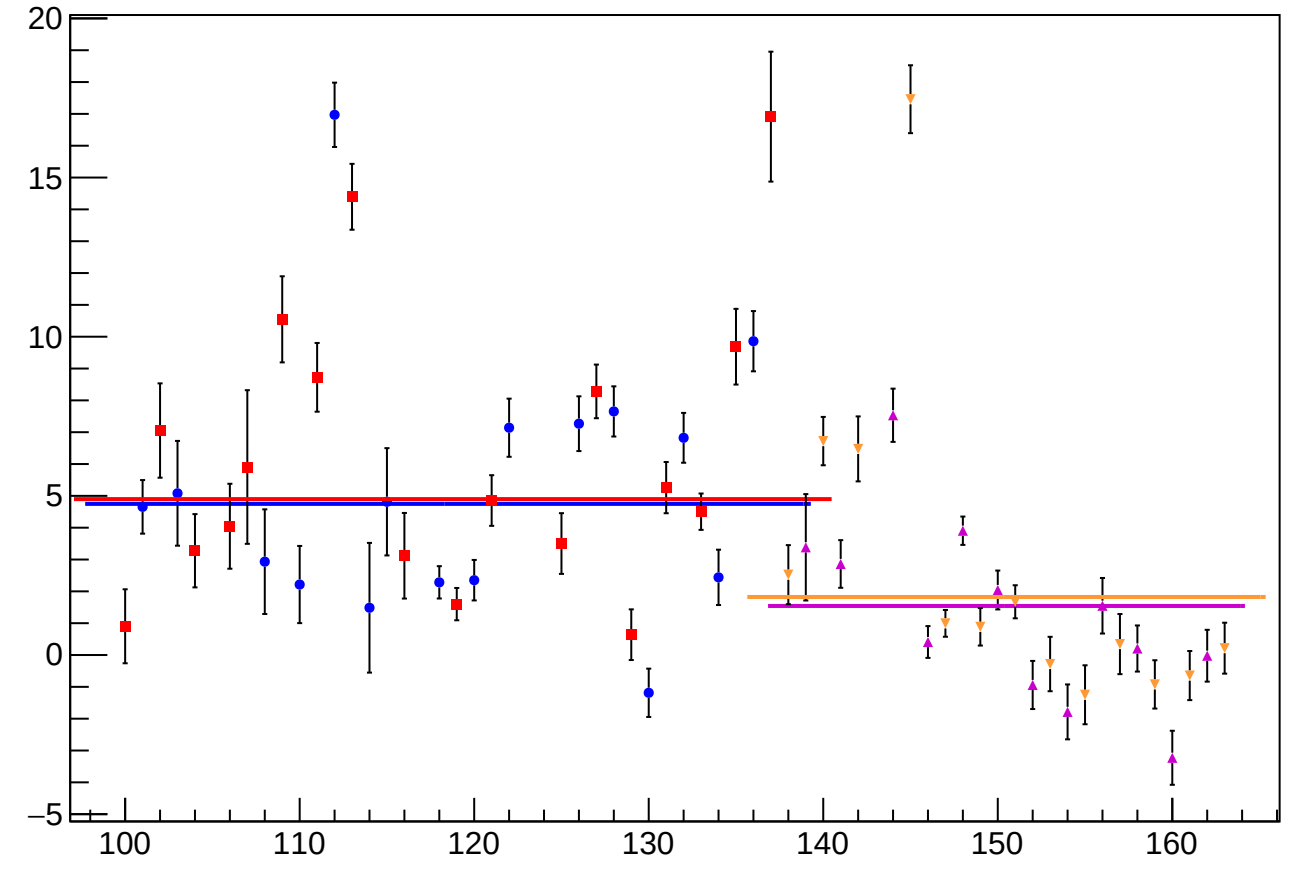
Out: 13.992+/-0.190 χ^2/NDF:3719.6/30

All: 13.419+/-0.134 χ^2/NDF: 6686.2/58


reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: 3.479+/-0.254 χ²/NDF: 427.6/15
Left Out: 9.009+/-0.236 χ²/NDF:179.7/12
Right Out: 2.817+/-0.257 χ²/NDF: 345.3/17
Left In: 9.660+/-0.239 χ²/NDF:190.5/11
Left: 9.329+/-0.168 χ²/NDF: 373.9/24
Right: 3.153+/-0.181 χ²/NDF: 776.3/33
In: 6.748+/-0.174 χ²/NDF:932.1/27
Out: 6.185+/-0.174 χ²/NDF:840.0/30
All: 6.466+/-0.123 χ²/NDF: 1777.4/58


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
160
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -21.649+/-0.011 χ²/NDF:110974.9/12
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -21.459+/-0.011 χ²/NDF:90138.5/11
Left: -21.553+/-0.008 χ²/NDF: 201259.9/24
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.034+/-0.009 χ²/NDF:114627.9/27
Out: -21.454+/-0.009 χ²/NDF:169466.4/30
All: -21.240+/-0.006 χ²/NDF: 285150.0/58


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -43.399+/-0.302 χ²/NDF:494.8/12
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -43.342+/-0.303 χ²/NDF:216.5/11
Left: -43.370+/-0.214 χ²/NDF: 711.3/24
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.878+/-0.177 χ²/NDF:1914.1/27
Out: -36.373+/-0.173 χ²/NDF:3469.5/30
All: -36.620+/-0.124 χ²/NDF: 5387.7/58



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.824+/-0.198 χ^2/NDF:331.3/12

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.541+/-0.202 χ^2/NDF:154.0/11

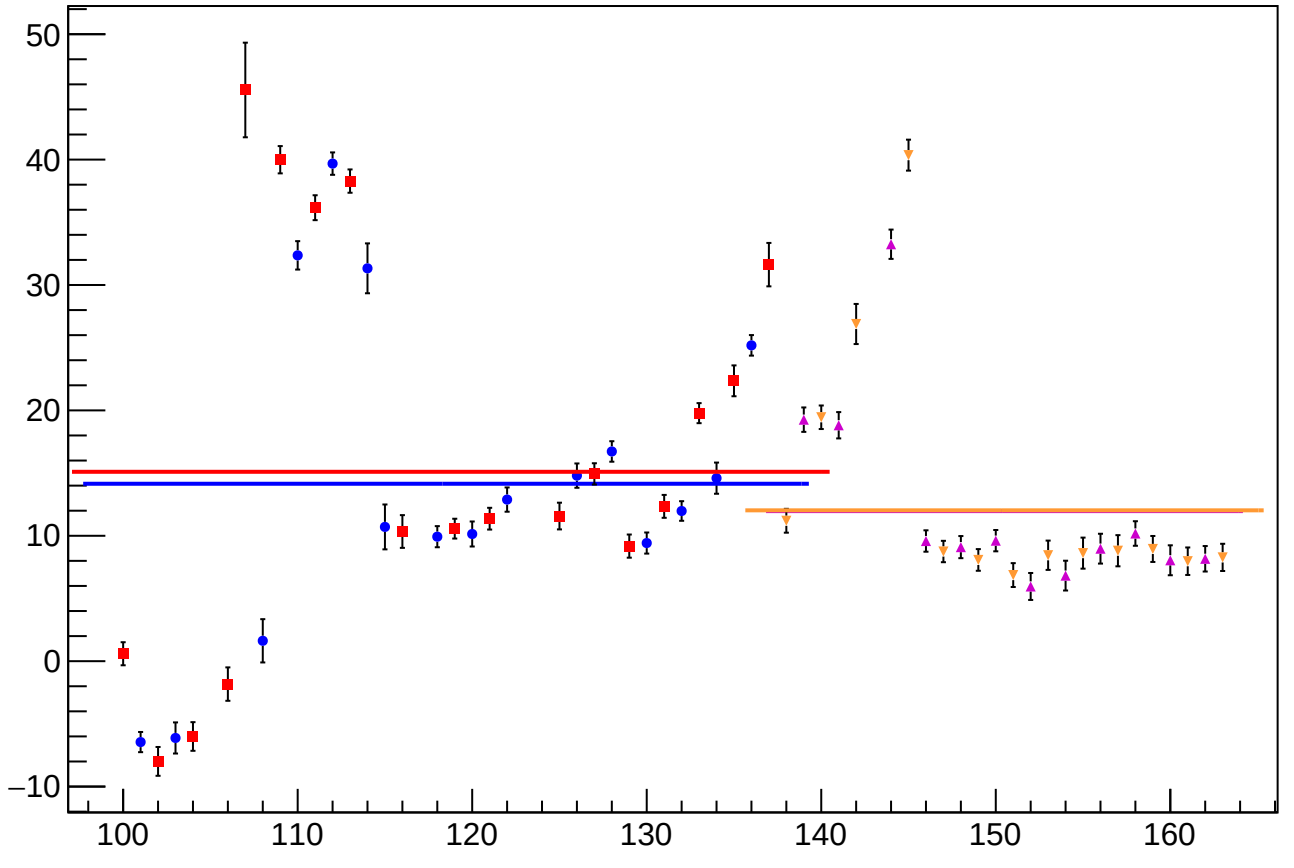
Left: 1.686+/-0.141 χ^2/NDF: 486.3/24

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 3.010+/-0.149 χ^2/NDF:595.3/27

Out: 3.197+/-0.147 χ^2/NDF:712.5/30

All: 3.104+/-0.105 χ^2/NDF: 1308.6/58



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 12.029+/-0.292 χ^2/NDF:799.2/12

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 11.968+/-0.292 χ^2/NDF:540.8/11

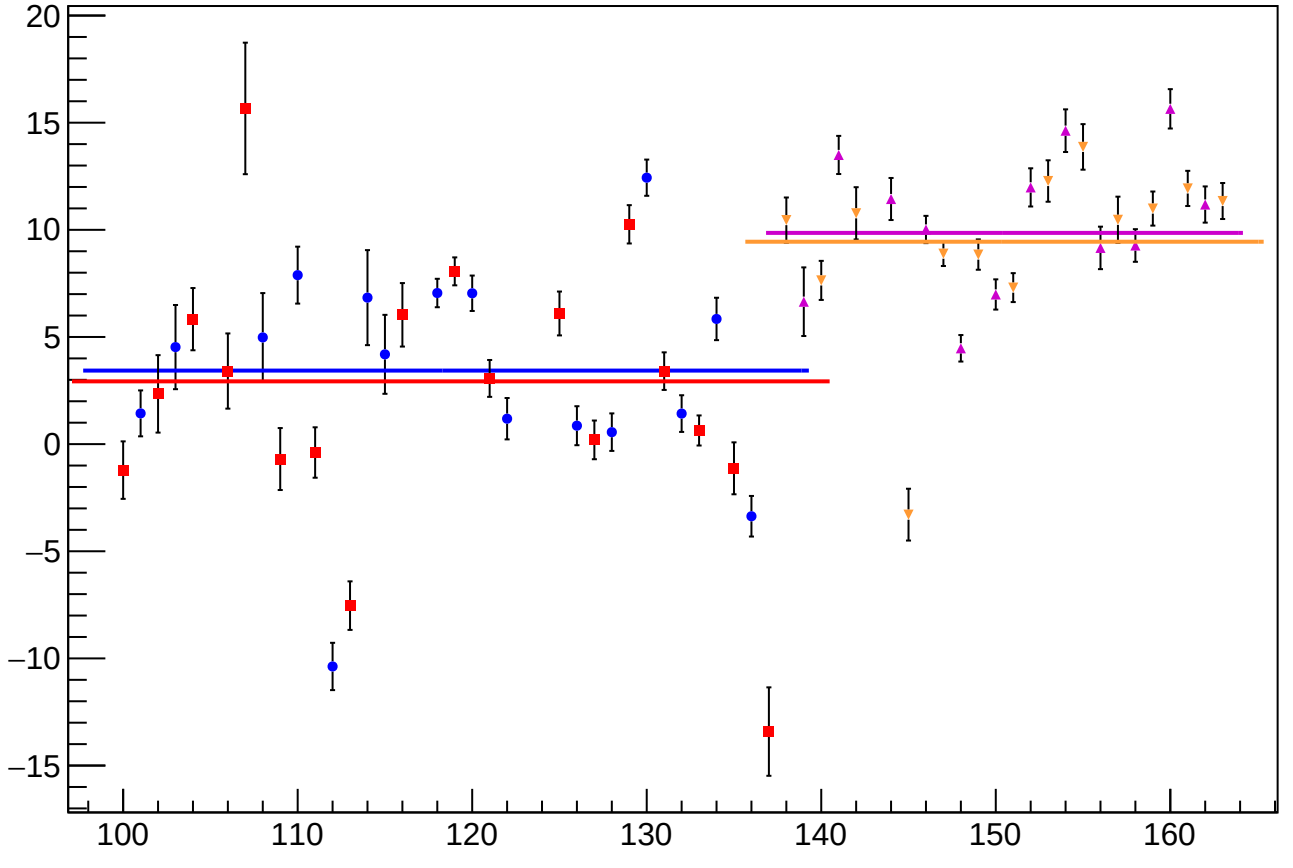
Left: 11.999+/-0.206 χ^2/NDF: 1340.0/24

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 13.238+/-0.189 χ^2/NDF:2975.6/27

Out: 13.850+/-0.186 χ^2/NDF:3967.3/30

All: 13.548+/-0.133 χ^2/NDF: 6948.2/58



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.445+/-0.236 χ^2/NDF:173.6/12

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.857+/-0.240 χ^2/NDF:187.7/11

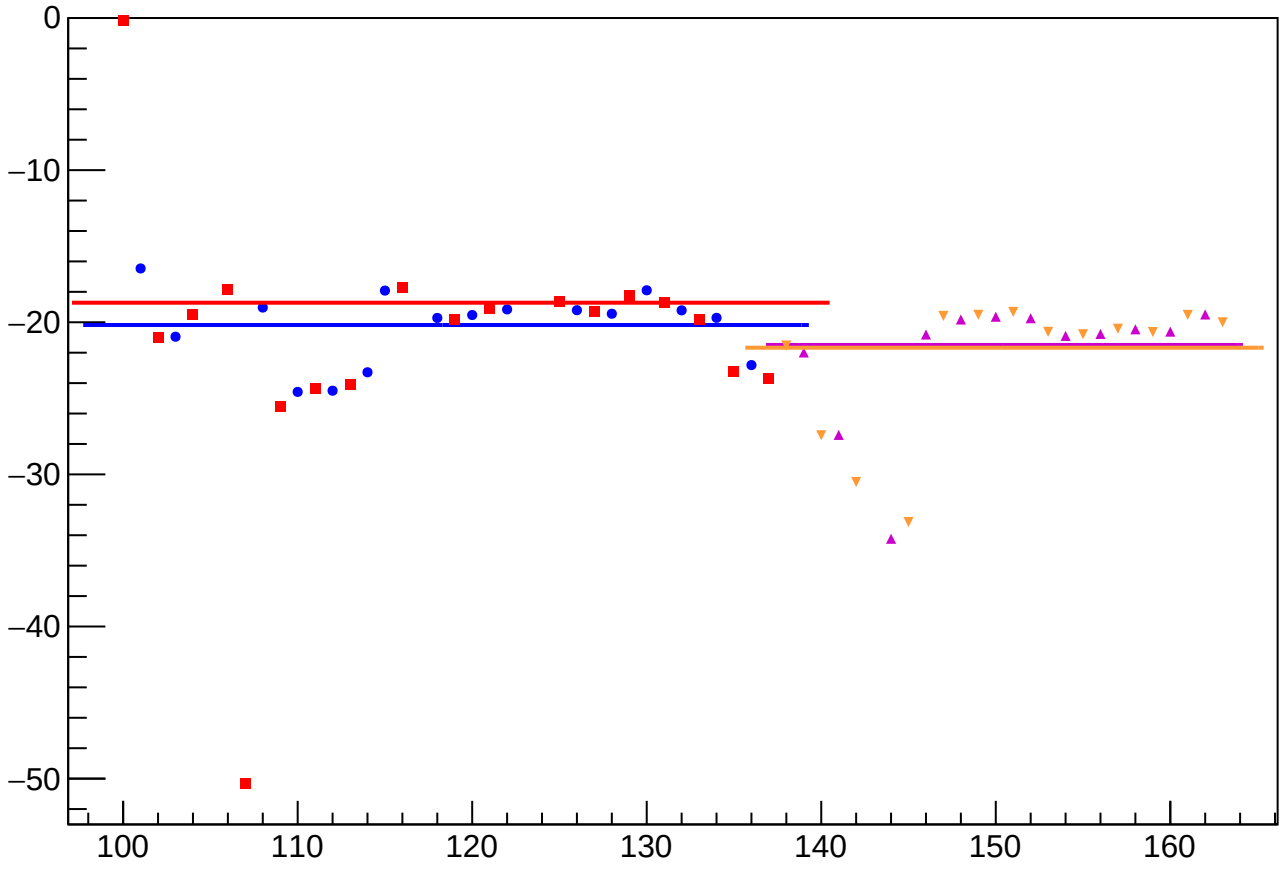
Left: 9.648+/-0.168 χ^2/NDF: 362.8/24

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 6.831+/-0.174 χ^2/NDF:949.6/27

Out: 6.417+/-0.173 χ^2/NDF:895.5/30

All: 6.622+/-0.123 χ^2/NDF: 1848.0/58



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.673+/-0.011 χ^2/NDF:110810.2/12

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -21.492+/-0.011 χ^2/NDF:90315.4/11

Left: -21.582+/-0.008 χ^2/NDF: 201259.0/24

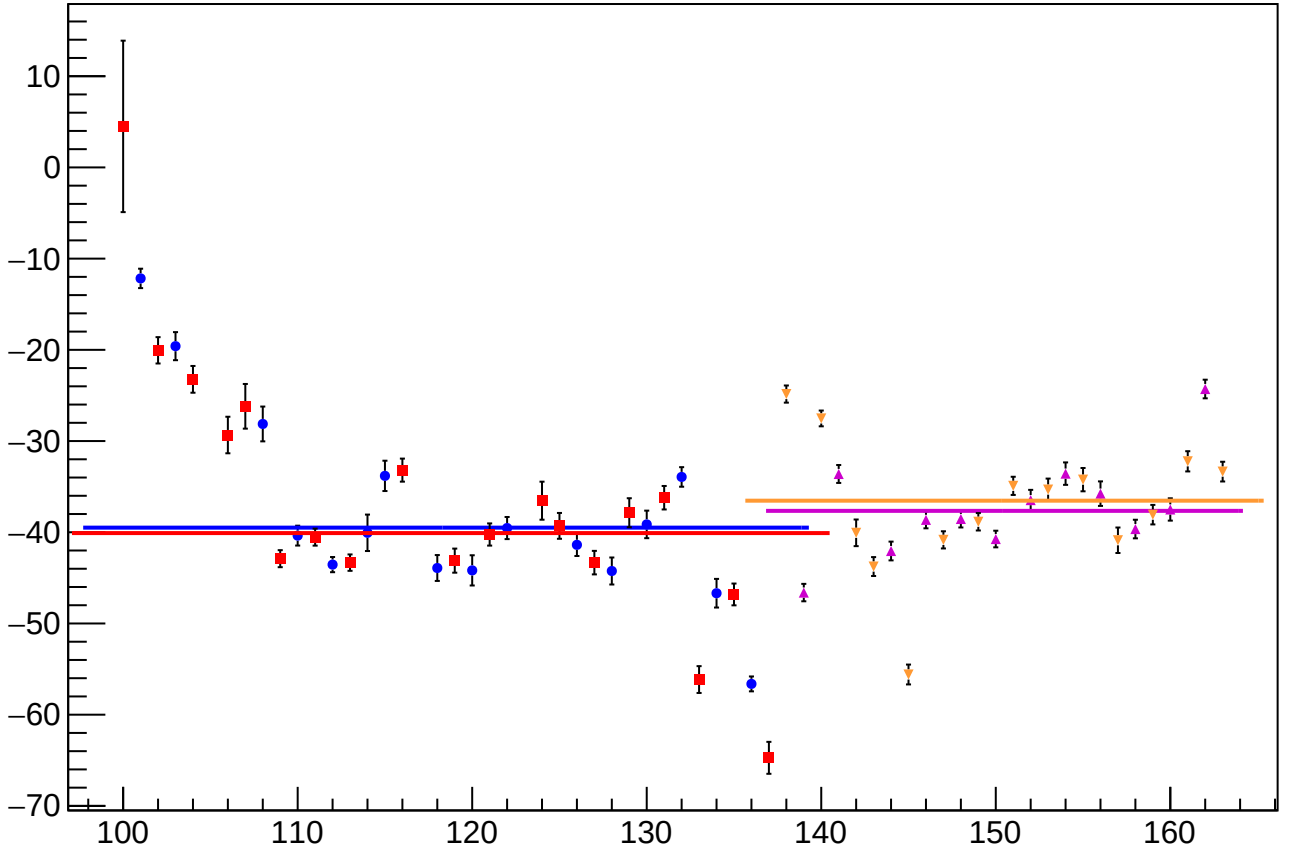
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.072+/-0.009 χ^2/NDF:114709.6/27

Out: -20.668+/-0.009 χ^2/NDF:369336.7/30

All: -20.869+/-0.006 χ^2/NDF: 485035.7/58

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -36.538+/-0.285 χ^2/NDF:693.1/13

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -37.653+/-0.299 χ^2/NDF:325.8/11

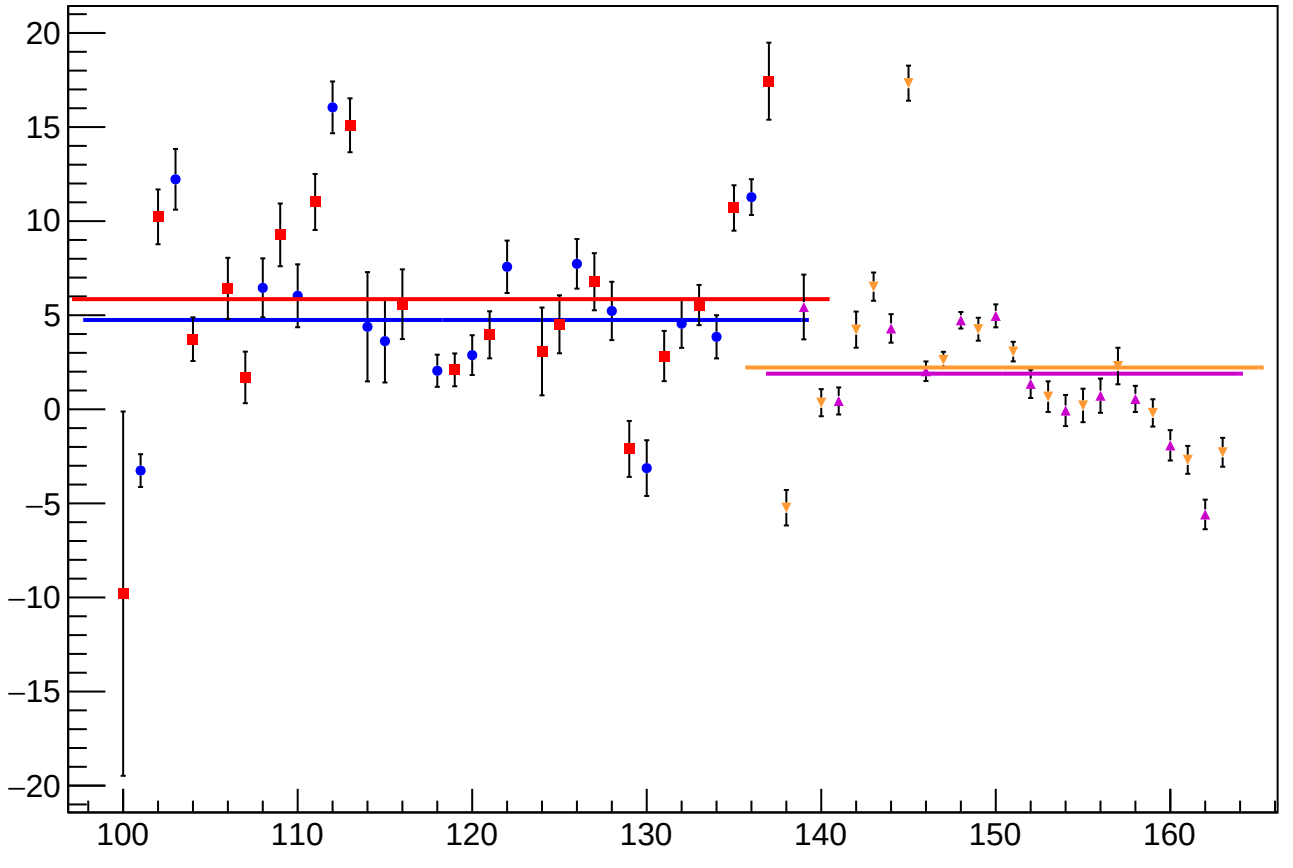
Left: -37.069+/-0.206 χ^2/NDF: 1026.2/25

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -38.538+/-0.215 χ^2/NDF:1761.1/27

Out: -38.182+/-0.209 χ^2/NDF:1599.9/32

All: -38.355+/-0.150 χ^2/NDF: 3362.4/60



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 2.222+/-0.189 χ^2/NDF:481.9/13

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.894+/-0.199 χ^2/NDF:209.6/11

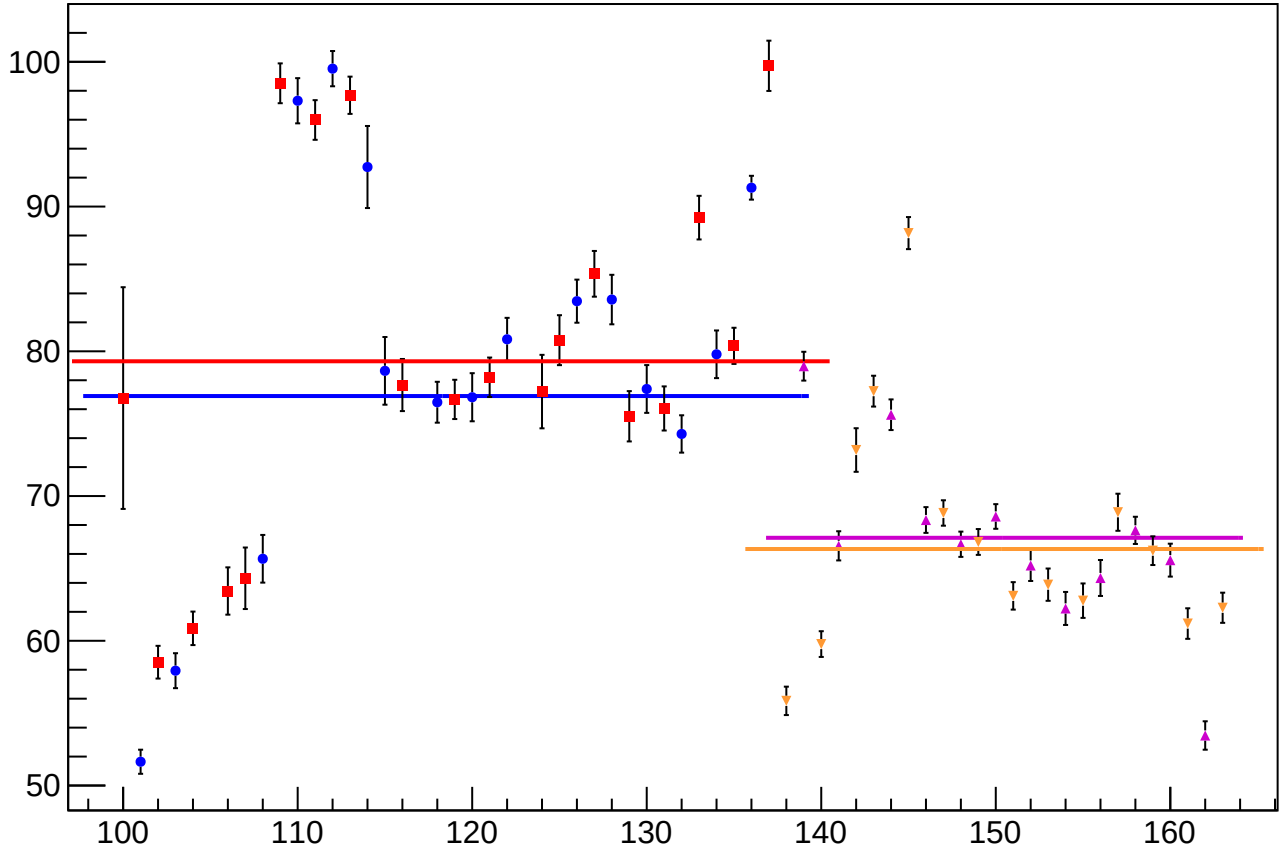
Left: 2.067+/-0.137 χ^2/NDF: 692.9/25

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.706+/-0.168 χ^2/NDF:541.8/27

Out: 3.144+/-0.163 χ^2/NDF:763.3/32

All: 2.932+/-0.117 χ^2/NDF: 1308.6/60



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 66.341+/-0.277 χ^2/NDF:759.0/13

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 67.115+/-0.288 χ^2/NDF:433.9/11

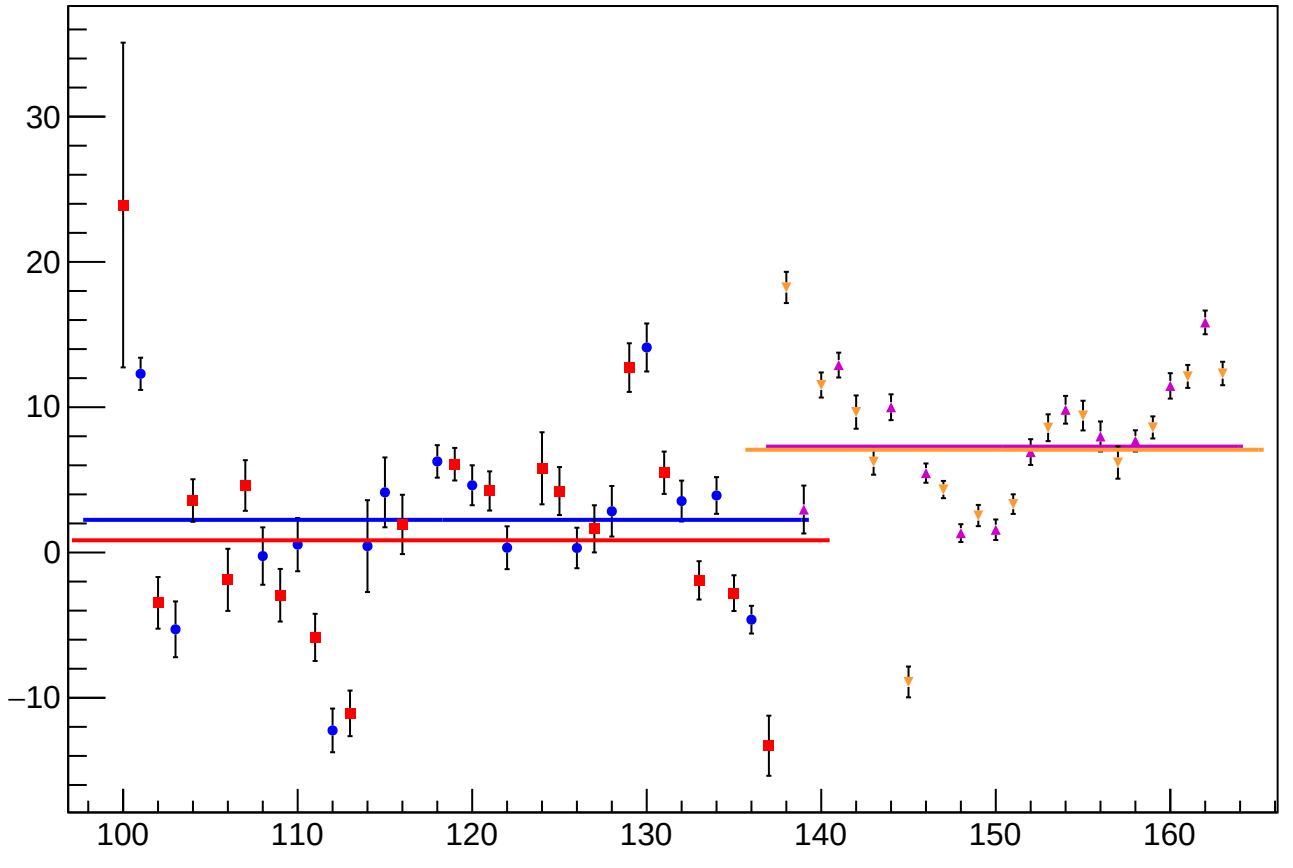
Left: 66.713+/-0.199 χ^2/NDF: 1196.7/25

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 71.247+/-0.219 χ^2/NDF:3038.5/27

Out: 71.367+/-0.217 χ^2/NDF:3106.7/32

All: 71.308+/-0.154 χ^2/NDF: 6145.4/60



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.072+/-0.225 χ^2/NDF:554.2/13

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 7.289+/-0.236 χ^2/NDF:367.5/11

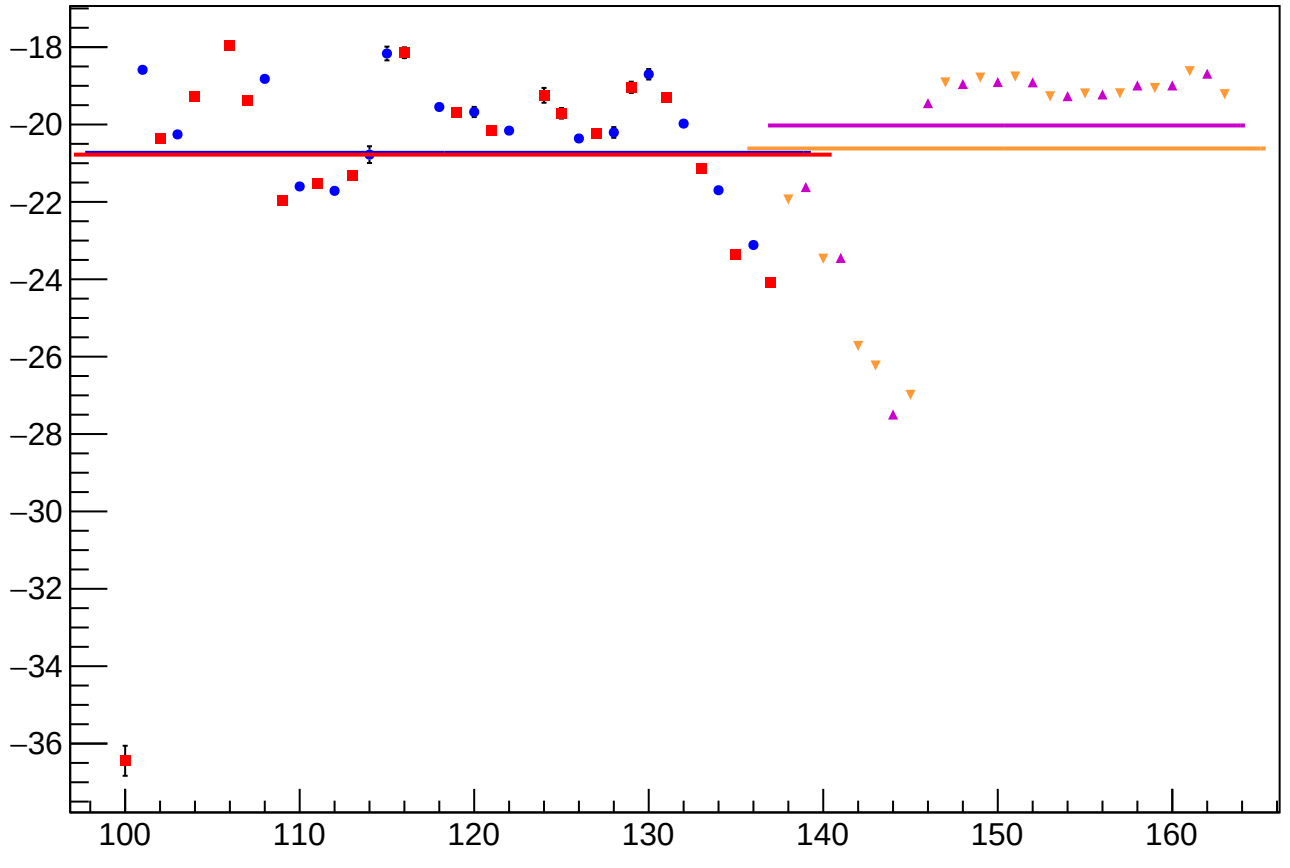
Left: 7.175+/-0.163 χ^2/NDF: 922.1/25

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 5.790+/-0.198 χ^2/NDF:822.6/27

Out: 5.409+/-0.192 χ^2/NDF:1016.1/32

All: 5.594+/-0.138 χ^2/NDF: 1840.6/60



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.620+/-0.011 χ^2/NDF:67105.3/13

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.025+/-0.011 χ^2/NDF:40563.3/11

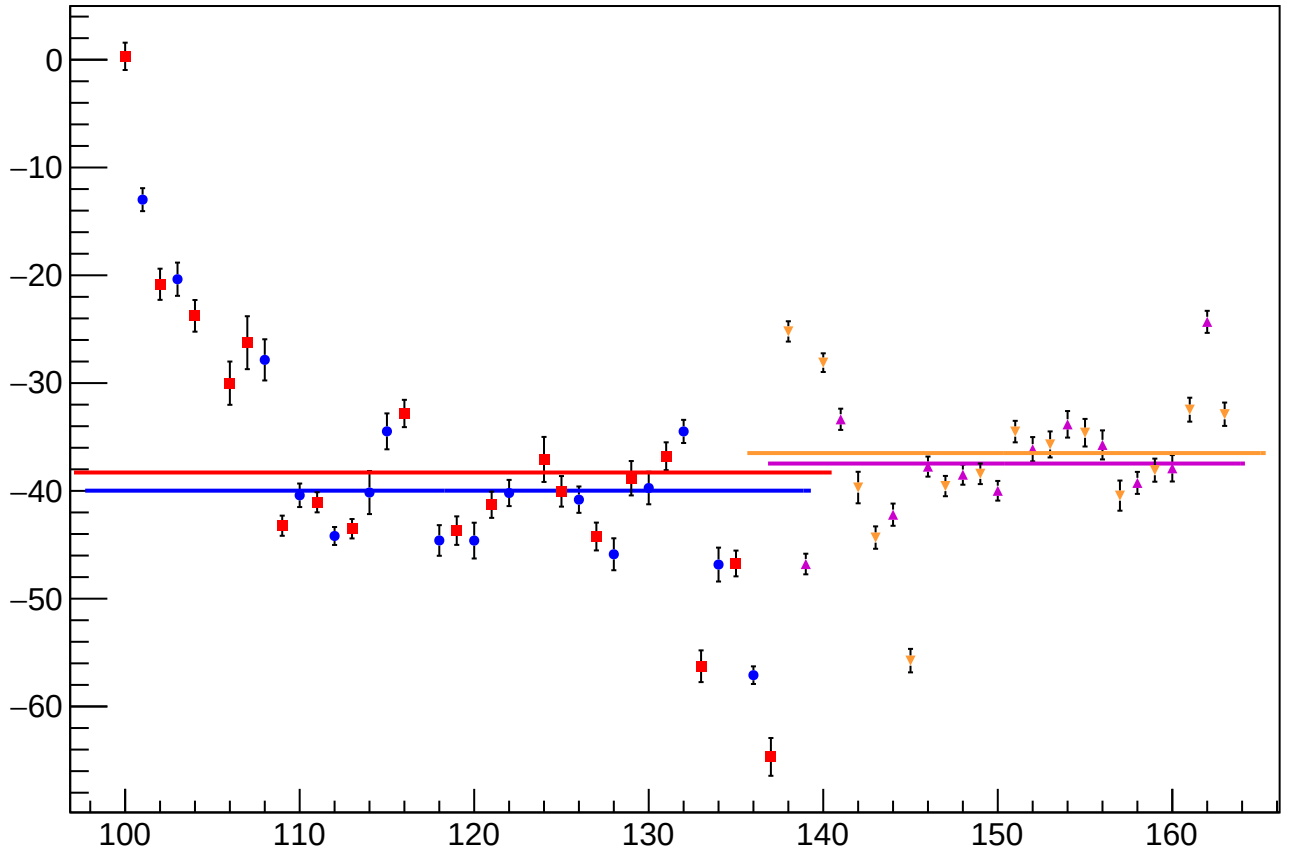
Left: -20.329+/-0.008 χ^2/NDF: 109197.8/25

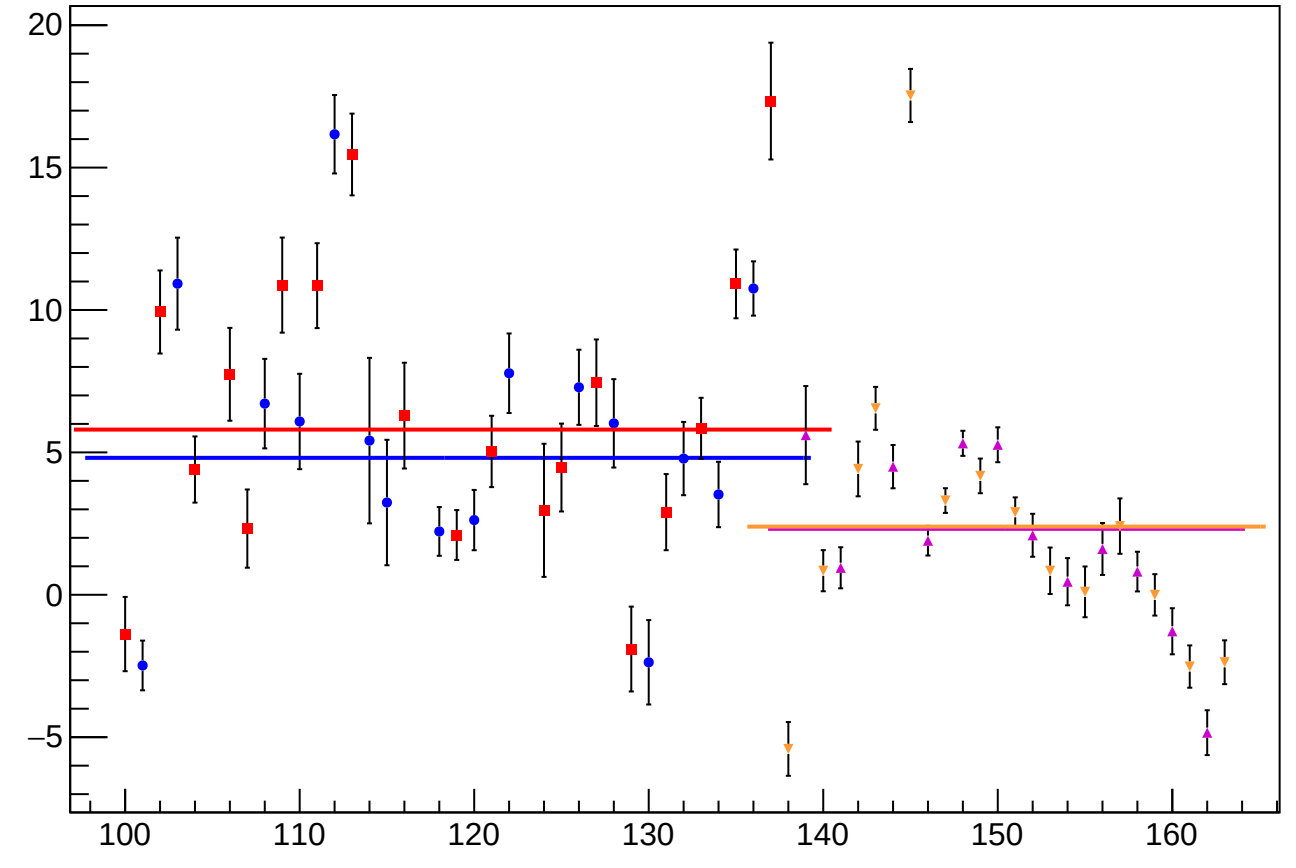
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

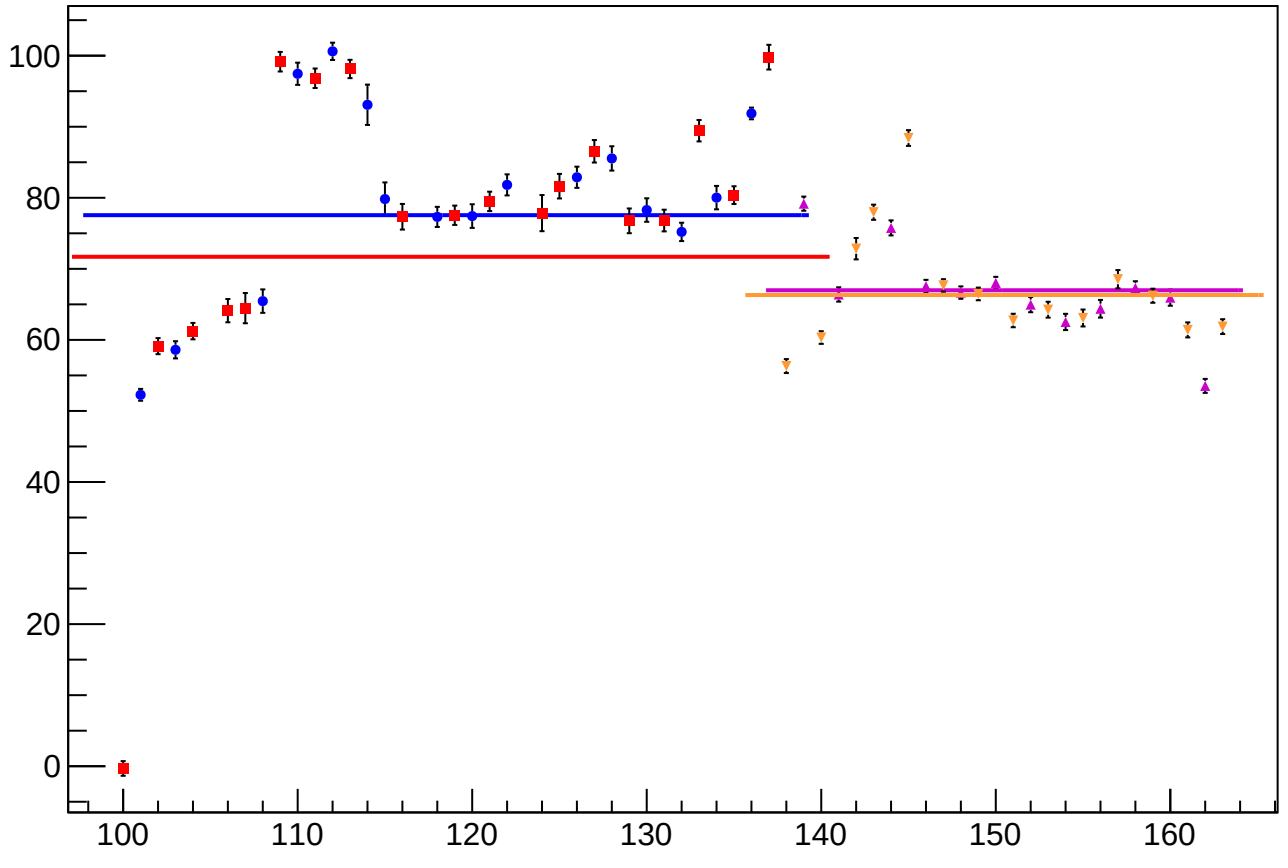
In: -20.194+/-0.009 χ^2/NDF:49207.7/27

Out: -20.654+/-0.009 χ^2/NDF:76580.2/32

All: -20.426+/-0.007 χ^2/NDF: 126974.2/60


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -36.491+/-0.286 χ²/NDF:666.4/13
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -37.464+/-0.300 χ²/NDF:322.6/11
Left: -36.954+/-0.207 χ²/NDF: 994.6/25
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -38.674+/-0.216 χ²/NDF:1755.0/27
Out: -37.352+/-0.207 χ²/NDF:2459.2/32
All: -37.984+/-0.149 χ²/NDF: 4233.8/60


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 2.394+/-0.189 χ²/NDF:488.1/13
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 2.316+/-0.200 χ²/NDF:198.6/11
Left: 2.357+/-0.137 χ²/NDF: 686.8/25
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 3.025+/-0.169 χ²/NDF:483.5/27
Out: 3.297+/-0.162 χ²/NDF:790.5/32
All: 3.166+/-0.117 χ²/NDF: 1275.3/60



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 66.314+/-0.277 χ^2/NDF:753.0/13

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 66.985+/-0.288 χ^2/NDF:431.5/11

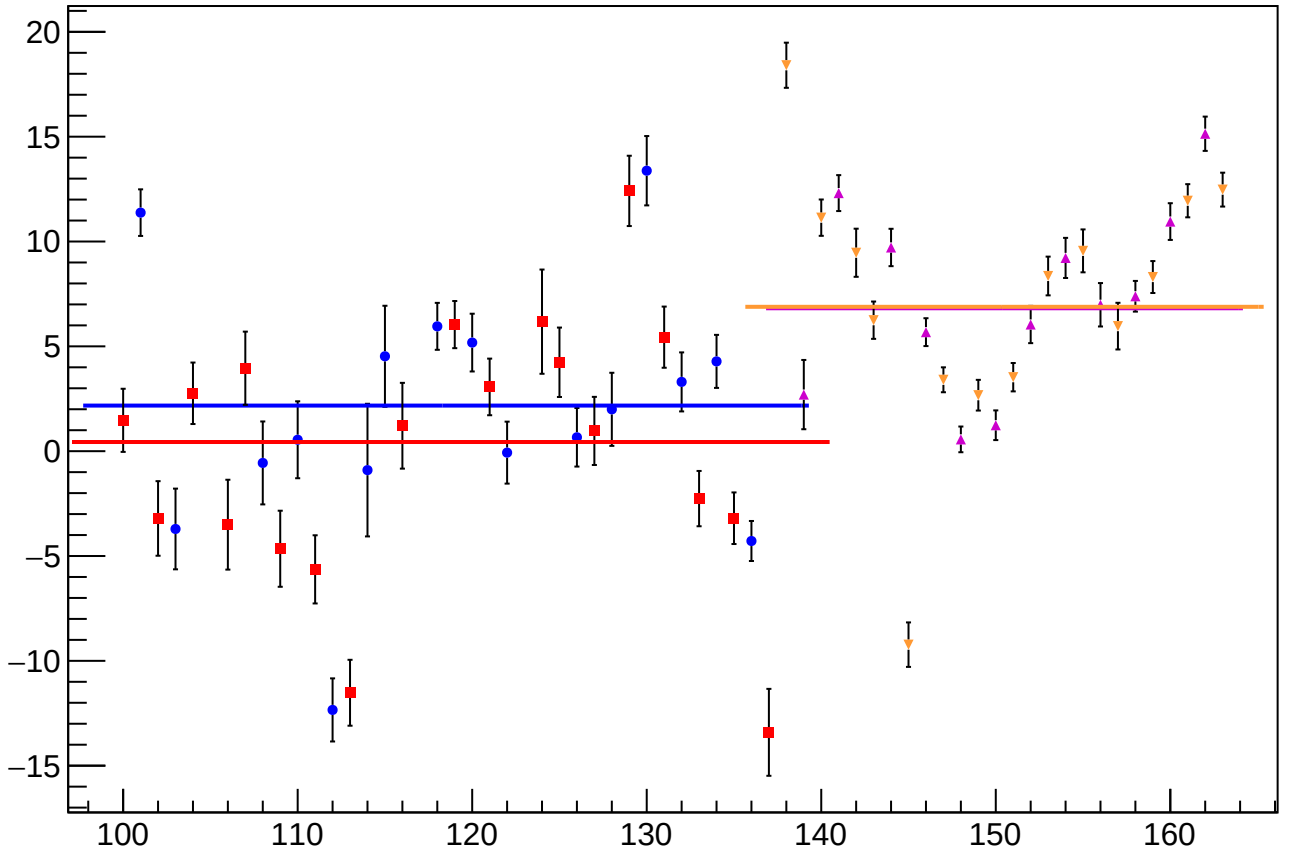
Left: 66.636+/-0.200 χ^2/NDF: 1187.3/25

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 71.446+/-0.219 χ^2/NDF:3116.9/27

Out: 68.538+/-0.212 χ^2/NDF:7812.4/32

All: 69.946+/-0.153 χ^2/NDF: 11020.1/60



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 6.886+/-0.225 χ^2/NDF:569.1/13

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 6.816+/-0.237 χ^2/NDF:360.7/11

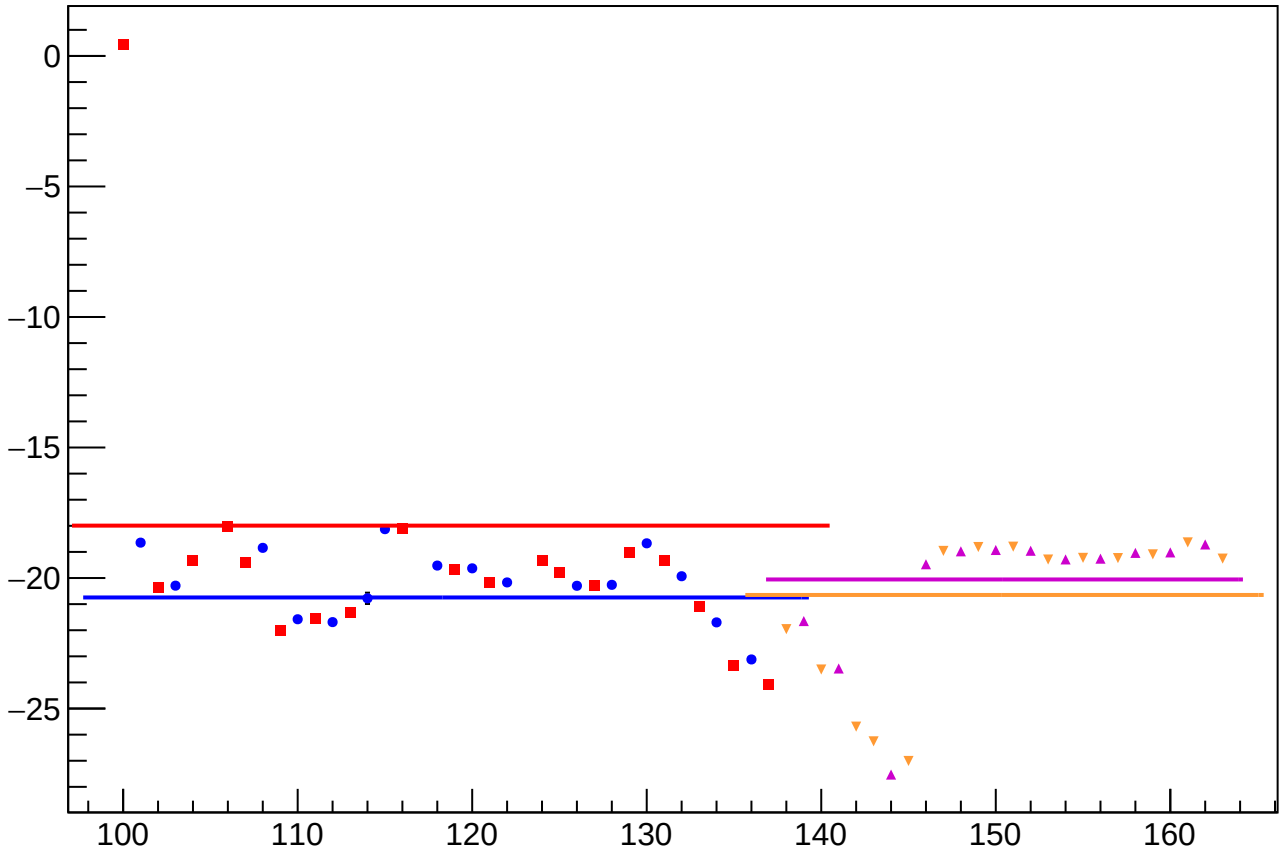
Left: 6.853+/-0.163 χ^2/NDF: 929.9/25

Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 5.436+/-0.198 χ^2/NDF:765.4/27

Out: 5.090+/-0.191 χ^2/NDF:1052.3/32

All: 5.256+/-0.138 χ^2/NDF: 1819.3/60



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.649+/-0.011 χ^2/NDF:66632.1/13

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -20.055+/-0.011 χ^2/NDF:40391.5/11

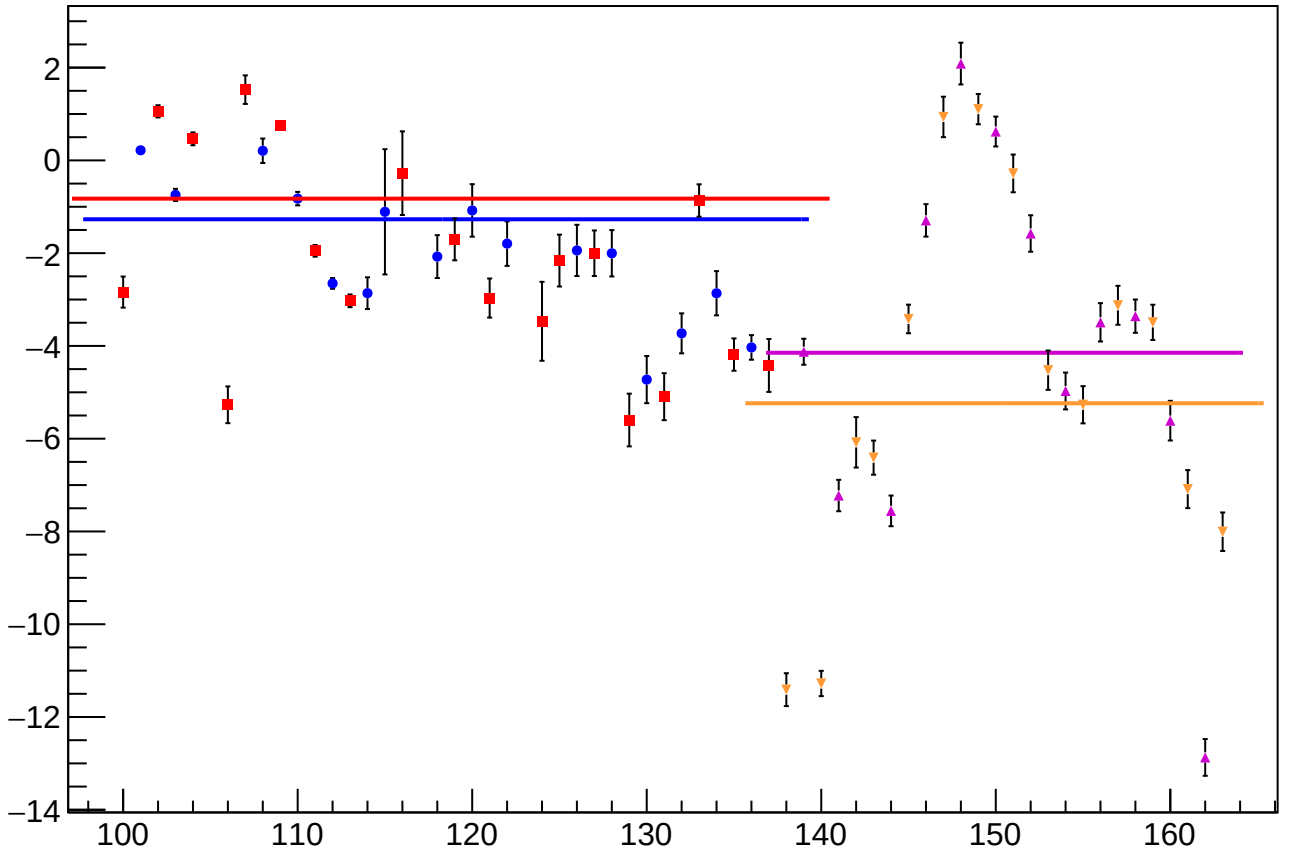
Left: -20.359+/-0.008 χ^2/NDF: 108541.5/25

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.220+/-0.010 χ^2/NDF:48861.5/27

Out: -20.007+/-0.009 χ^2/NDF:232222.6/32

All: -20.111+/-0.007 χ^2/NDF: 281340.0/60



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.236+/-0.100 χ^2/NDF:1682.0/13

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -4.147+/-0.105 χ^2/NDF:1217.1/11

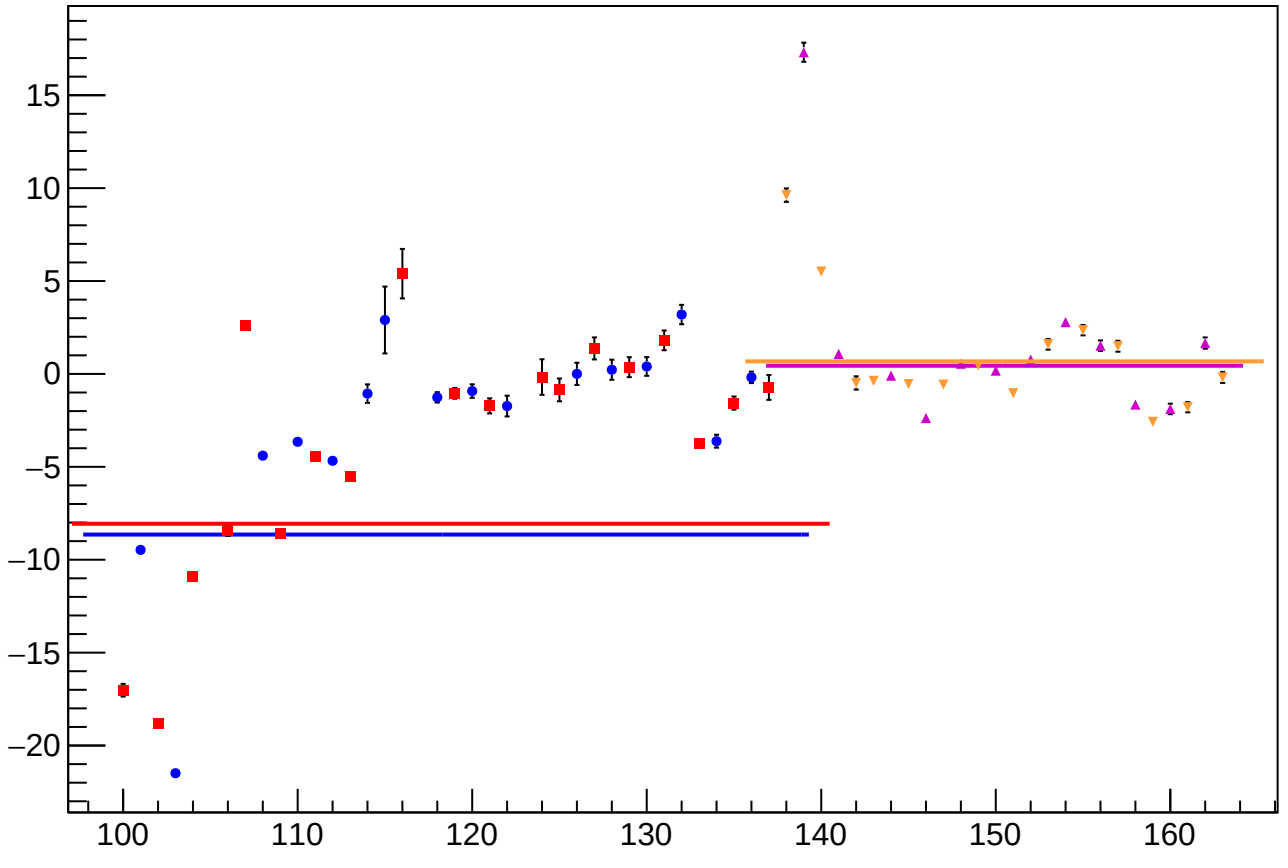
Left: -4.714+/-0.072 χ^2/NDF: 2955.6/25

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.885+/-0.048 χ^2/NDF:2429.6/27

Out: -1.733+/-0.045 χ^2/NDF:4604.0/32

All: -1.805+/-0.033 χ^2/NDF: 7038.9/60



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.675+/-0.070 χ^2/NDF:1494.8/13

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.440+/-0.074 χ^2/NDF:1510.3/11

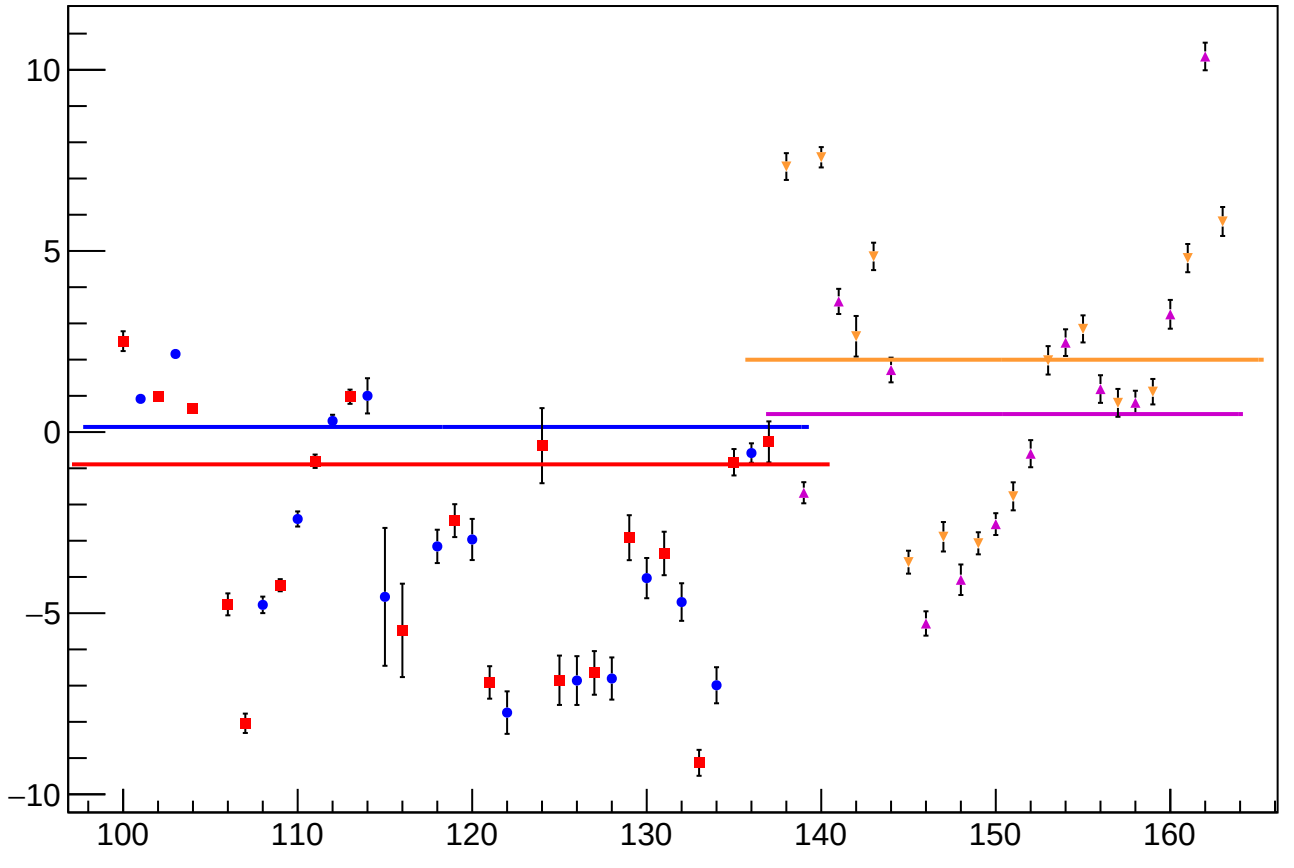
Left: 0.565+/-0.051 χ^2/NDF: 3010.4/25

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -5.277+/-0.045 χ^2/NDF:24774.8/27

Out: -4.526+/-0.044 χ^2/NDF:25268.8/32

All: -4.895+/-0.032 χ^2/NDF: 50184.3/60



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.997+/-0.098 χ^2/NDF:1654.1/13

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.497+/-0.101 χ^2/NDF:1424.2/11

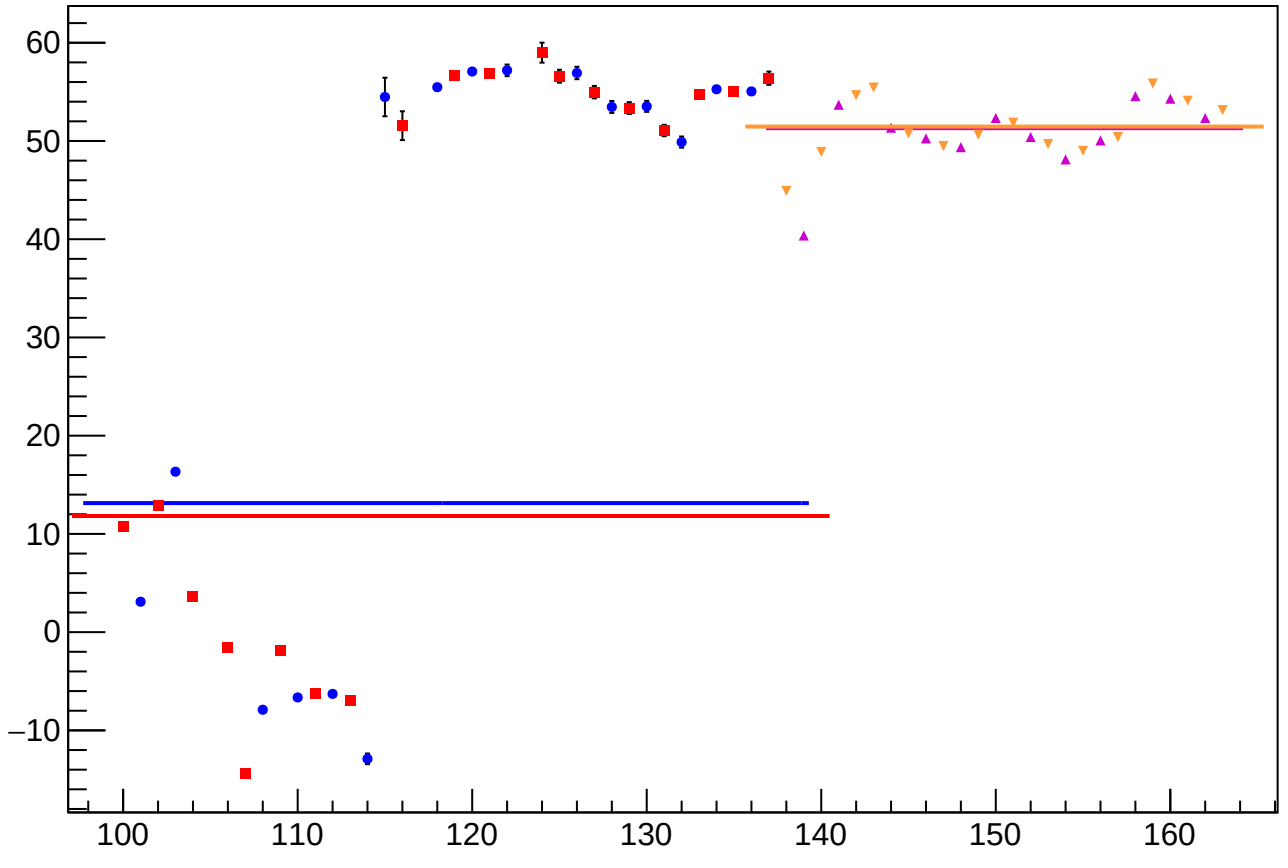
Left: 1.273+/-0.070 χ^2/NDF: 3192.4/25

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.218+/-0.047 χ^2/NDF:3393.7/27

Out: -0.222+/-0.047 χ^2/NDF:5312.6/32

All: -0.001+/-0.033 χ^2/NDF: 8750.1/60



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.468+/-0.081 χ^2/NDF:1096.2/13

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 51.305+/-0.086 χ^2/NDF:1024.6/11

Left: 51.390+/-0.059 χ^2/NDF: 2122.7/25

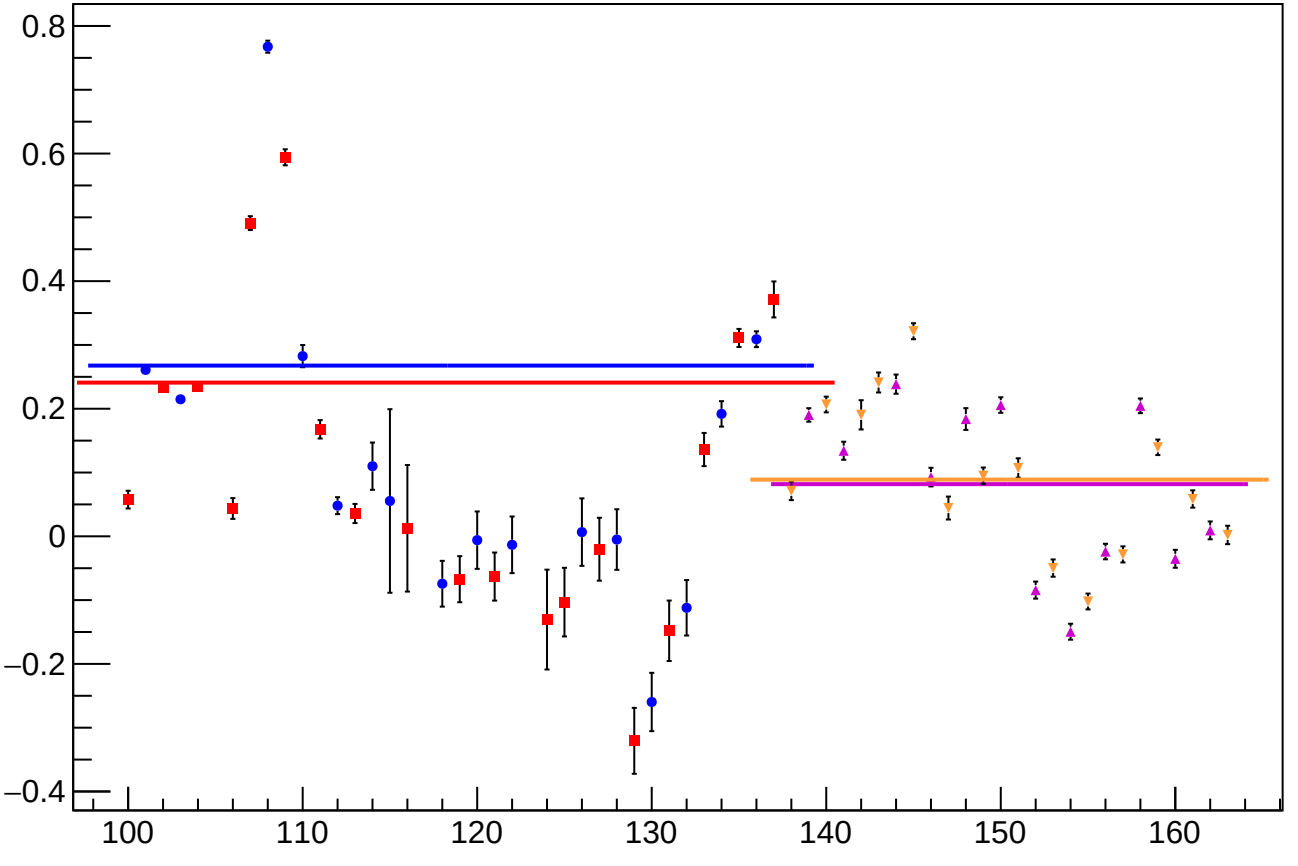
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 27.831+/-0.053 χ^2/NDF:231099.9/27

Out: 28.066+/-0.052 χ^2/NDF:259156.9/32

All: 27.951+/-0.037 χ^2/NDF: 490266.7/60

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: 0.089+/-0.004 χ^2/NDF:1047.3/13

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.082+/-0.004 χ^2/NDF:1150.2/11

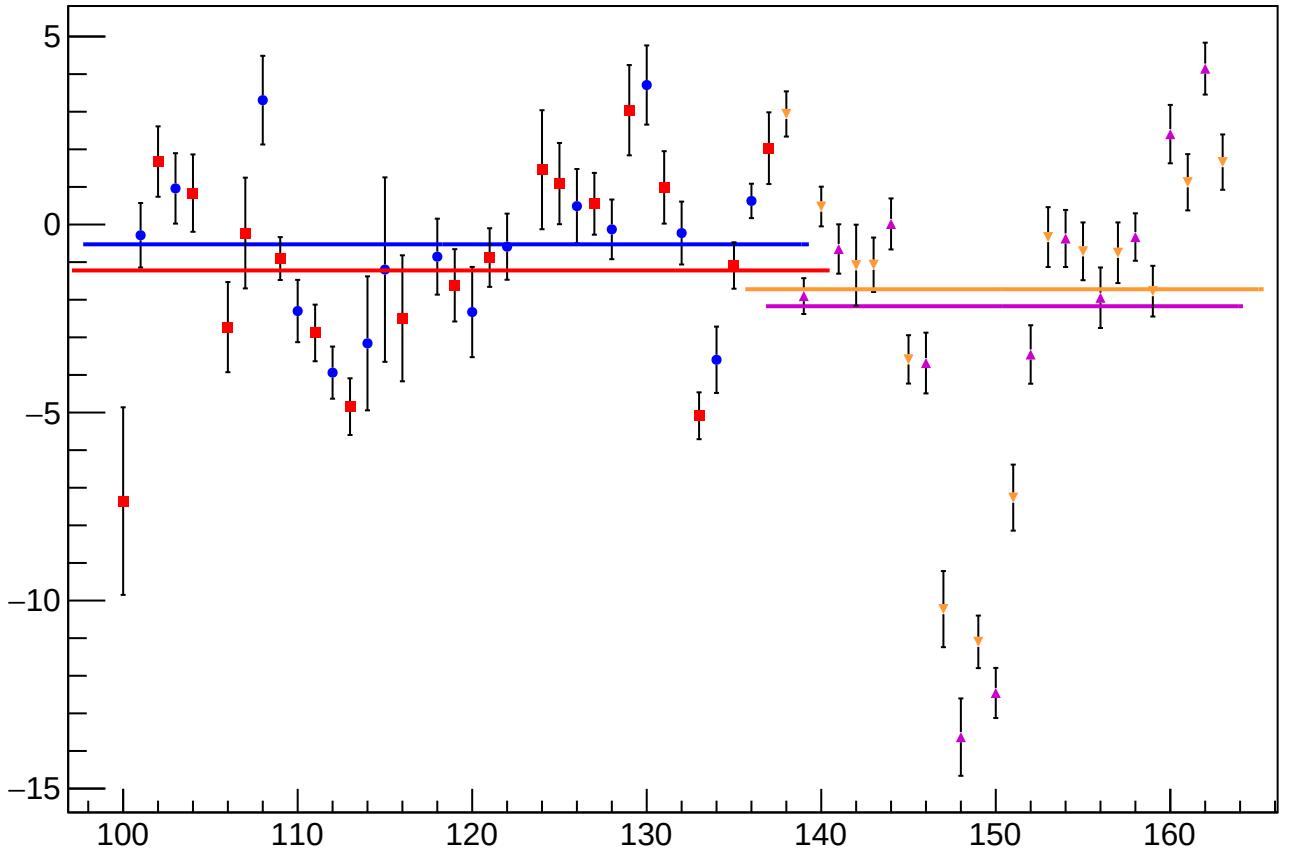
Left: 0.085+/-0.003 χ^2/NDF: 2199.2/25

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.202+/-0.002 χ^2/NDF:6430.2/27

Out: 0.187+/-0.002 χ^2/NDF:4470.6/32

All: 0.195+/-0.002 χ^2/NDF: 10923.4/60



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.721+/-0.194 χ^2/NDF:419.4/13

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -2.173+/-0.201 χ^2/NDF:517.4/11

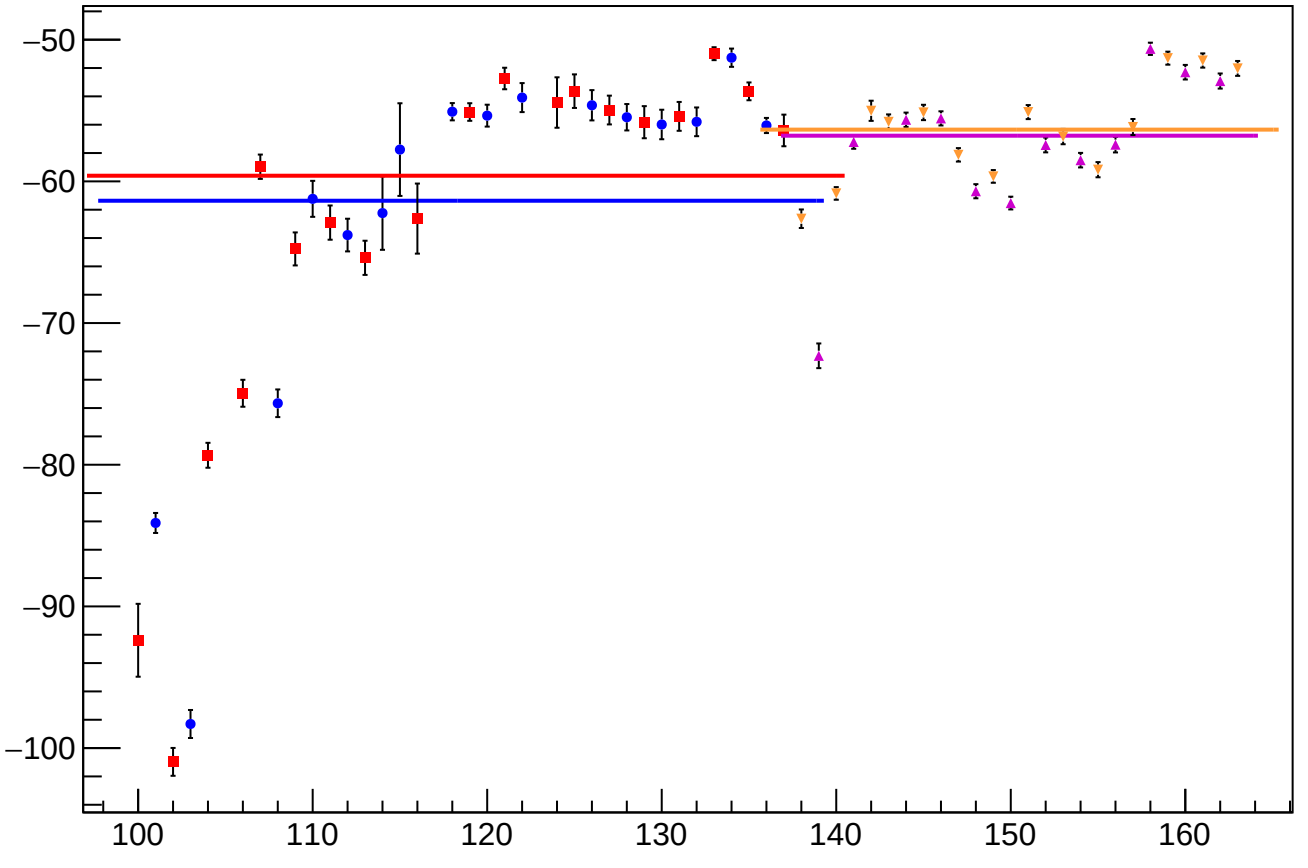
Left: -1.939+/-0.140 χ^2/NDF: 939.4/25

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.414+/-0.147 χ^2/NDF:631.1/27

Out: -1.484+/-0.141 χ^2/NDF:553.5/32

All: -1.451+/-0.102 χ^2/NDF: 1184.7/60



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.348+/-0.139 χ^2/NDF:588.4/13

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.776+/-0.148 χ^2/NDF:845.9/11

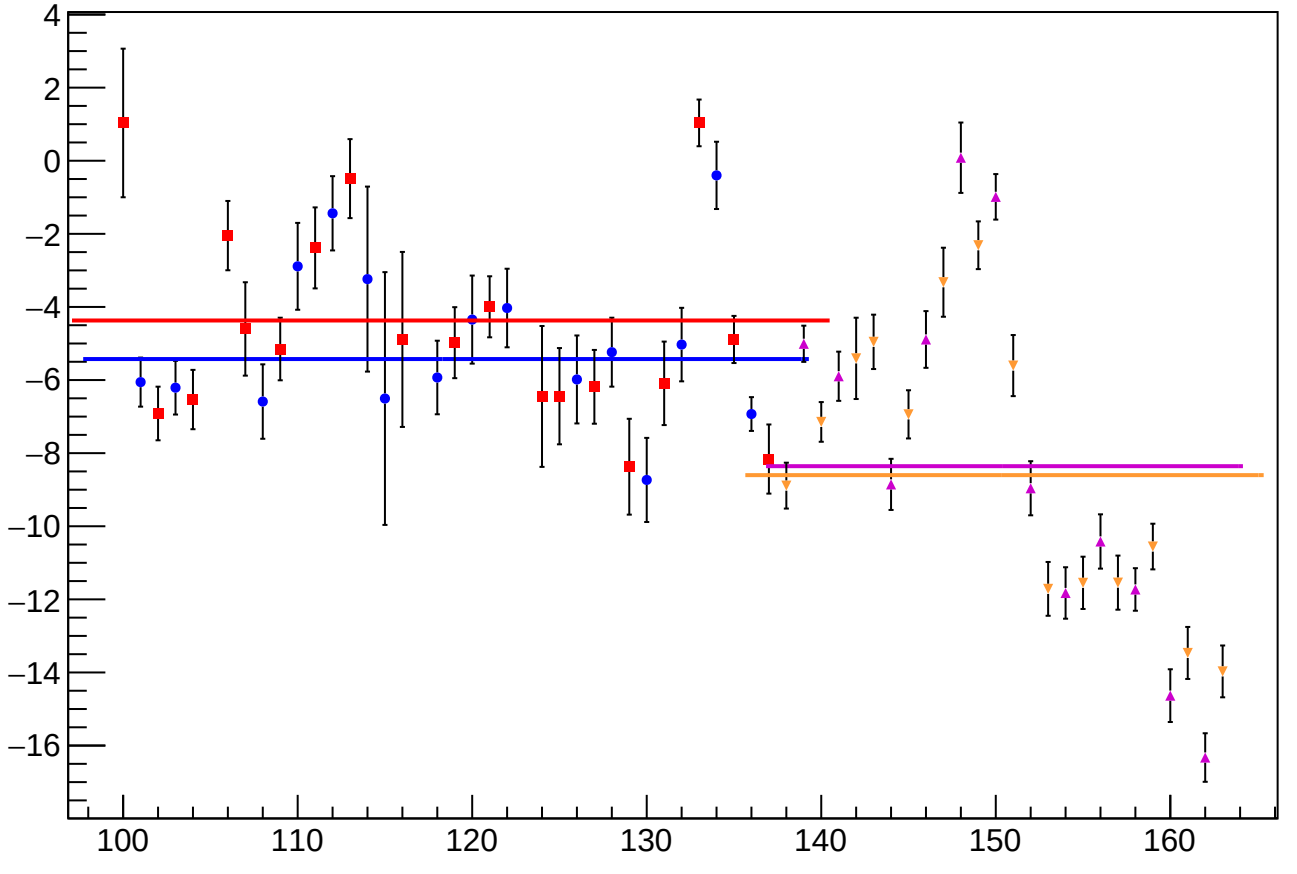
Left: -56.548+/-0.101 χ^2/NDF: 1438.8/25

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -58.211+/-0.122 χ^2/NDF:4499.2/27

Out: -57.357+/-0.115 χ^2/NDF:4180.7/32

All: -57.757+/-0.084 χ^2/NDF: 8705.8/60



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.601+/-0.189 χ^2/NDF:347.4/13

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.356+/-0.194 χ^2/NDF:582.4/11

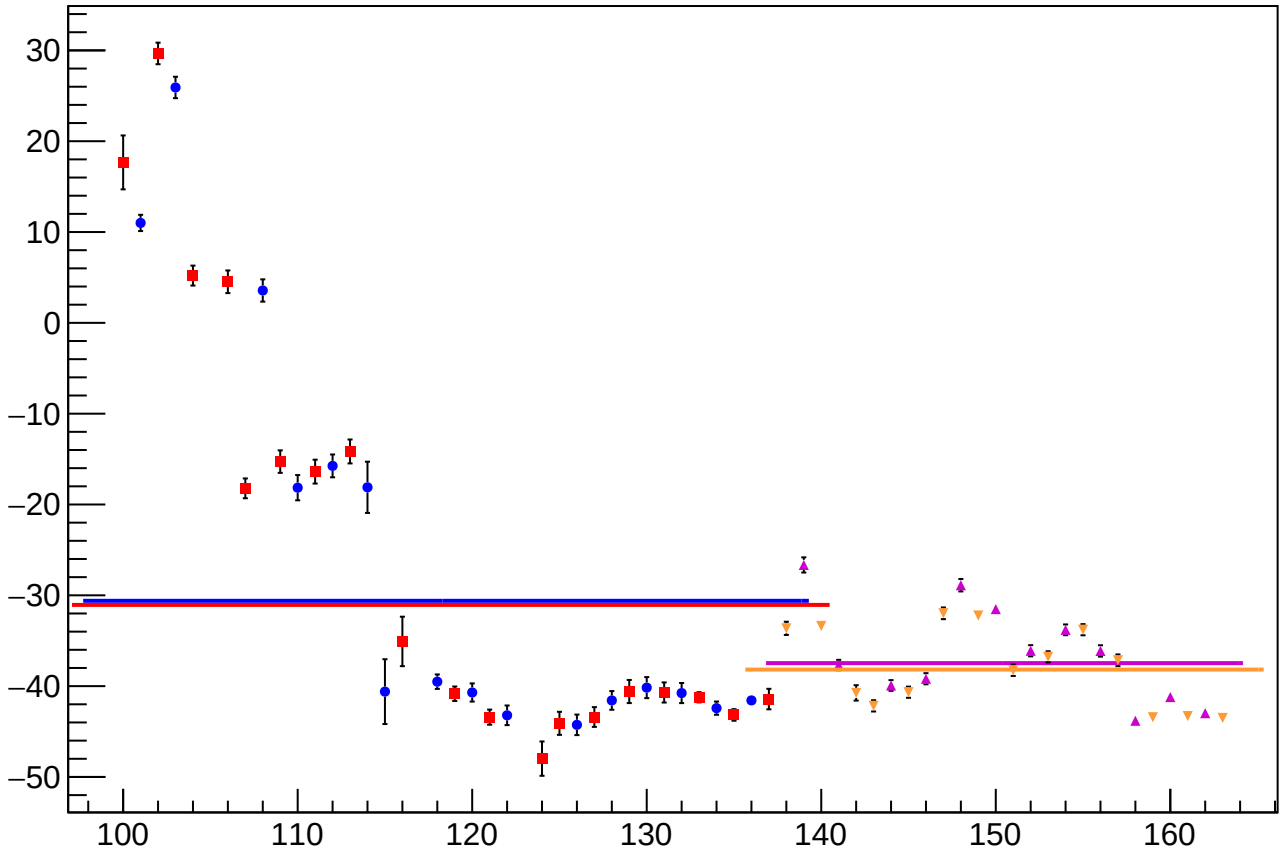
Left: -8.482+/-0.136 χ^2/NDF: 930.6/25

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.134+/-0.148 χ^2/NDF:753.1/27

Out: -6.825+/-0.144 χ^2/NDF:713.7/32

All: -6.975+/-0.103 χ^2/NDF: 1469.1/60



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.179+/-0.160 χ^2/NDF:763.5/13

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -37.464+/-0.168 χ^2/NDF:868.2/11

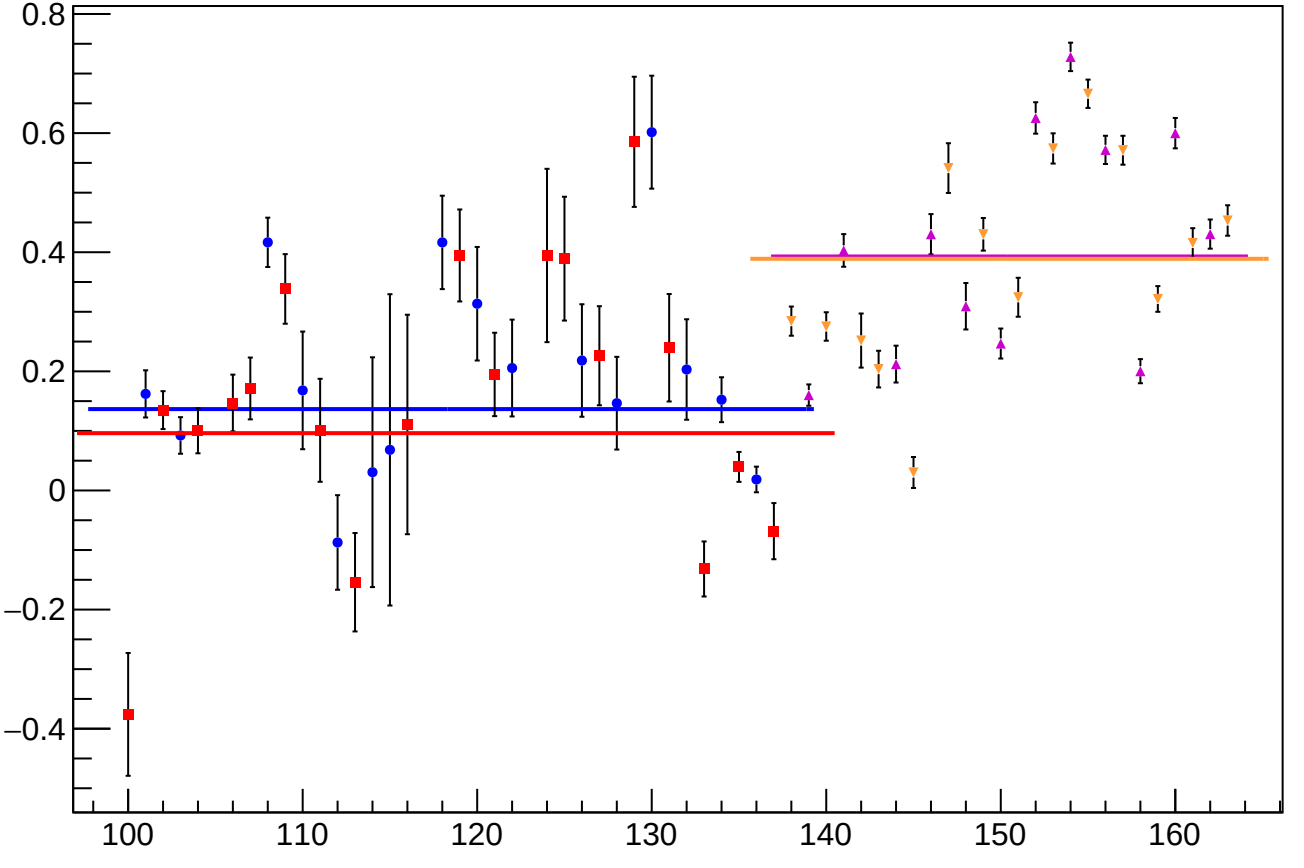
Left: -37.840+/-0.116 χ^2/NDF: 1641.1/25

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -35.317+/-0.140 χ^2/NDF:8325.8/27

Out: -35.964+/-0.133 χ^2/NDF:8358.3/32

All: -35.657+/-0.096 χ^2/NDF: 16695.4/60



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.389+/-0.007 χ^2/NDF:558.5/13

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.393+/-0.007 χ^2/NDF:732.8/11

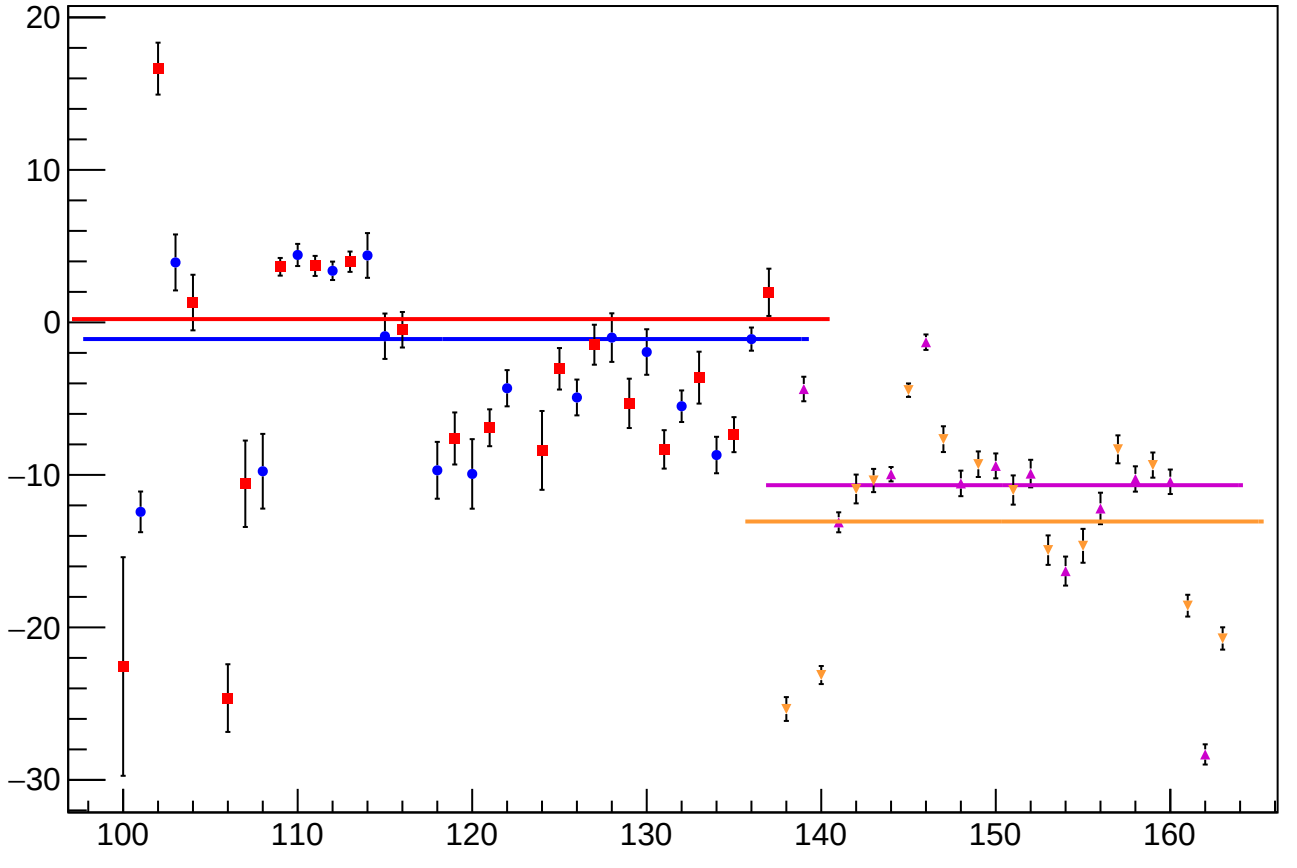
Left: 0.391+/-0.005 χ^2/NDF: 1291.4/25

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.329+/-0.006 χ^2/NDF:1177.1/27

Out: 0.316+/-0.006 χ^2/NDF:1127.6/32

All: 0.322+/-0.004 χ^2/NDF: 2307.0/60



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.056+/-0.201 χ^2/NDF:1221.8/13

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -10.675+/-0.205 χ^2/NDF:1169.9/11

Left: -11.890+/-0.144 χ^2/NDF: 2460.4/25

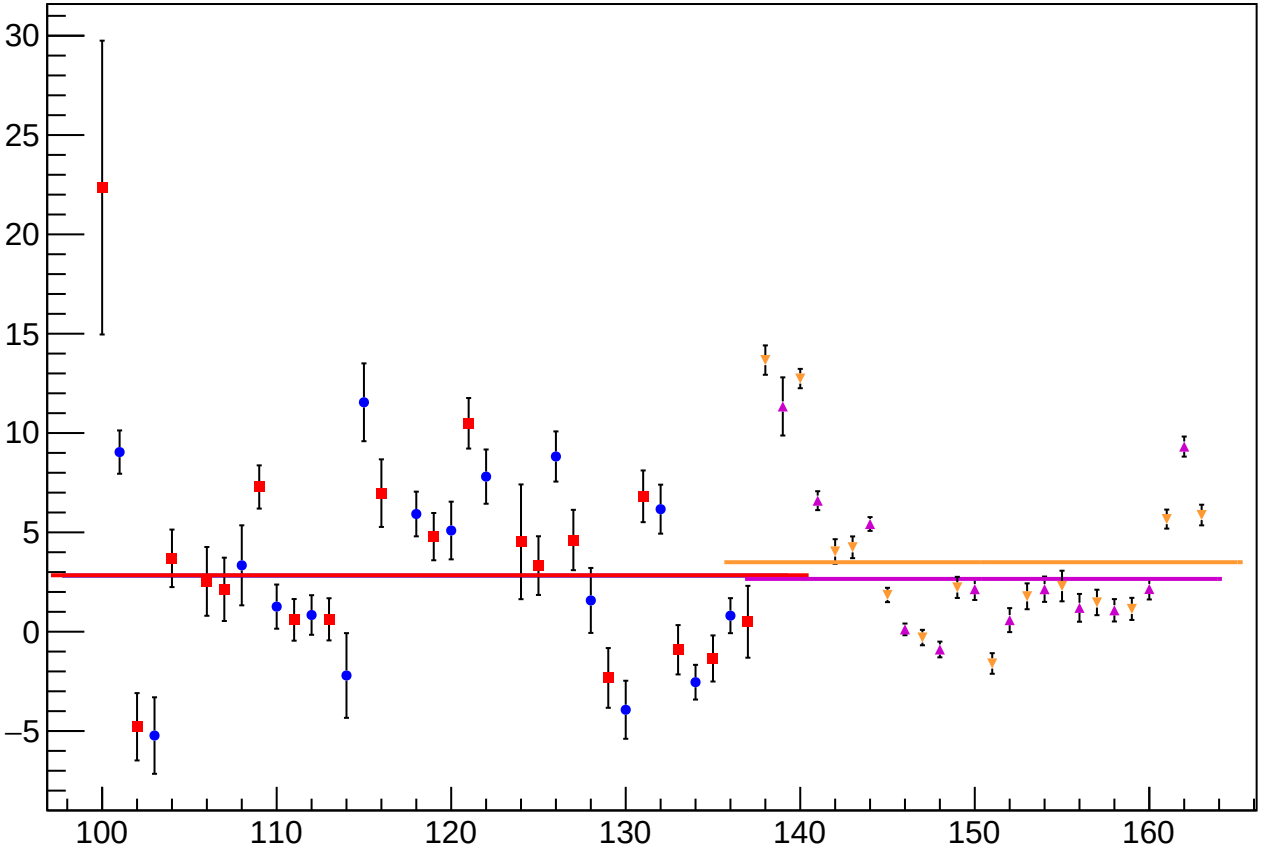
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -7.335+/-0.166 χ^2/NDF:2261.9/27

Out: -8.234+/-0.160 χ^2/NDF:3325.5/32

All: -7.799+/-0.115 χ^2/NDF: 5602.5/60

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.497+/-0.140 χ^2/NDF:850.4/13

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 2.657+/-0.138 χ^2/NDF:522.7/11

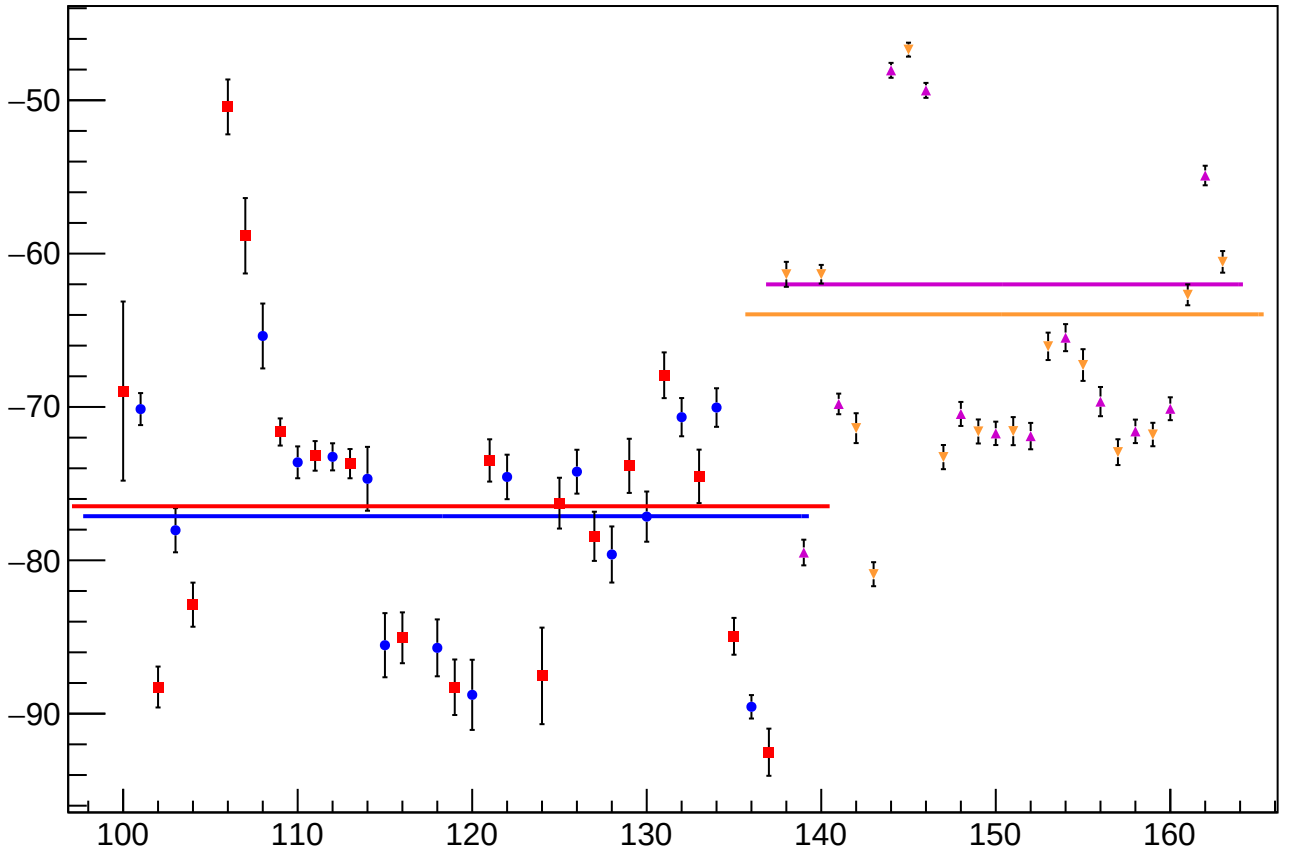
Left: 3.073+/-0.098 χ^2/NDF: 1391.4/25

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 2.684+/-0.126 χ^2/NDF:722.5/27

Out: 3.393+/-0.128 χ^2/NDF:998.8/32

All: 3.034+/-0.090 χ^2/NDF: 1736.9/60



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -63.961+/-0.198 χ^2/NDF:2555.6/13

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -62.006+/-0.199 χ^2/NDF:2959.5/11

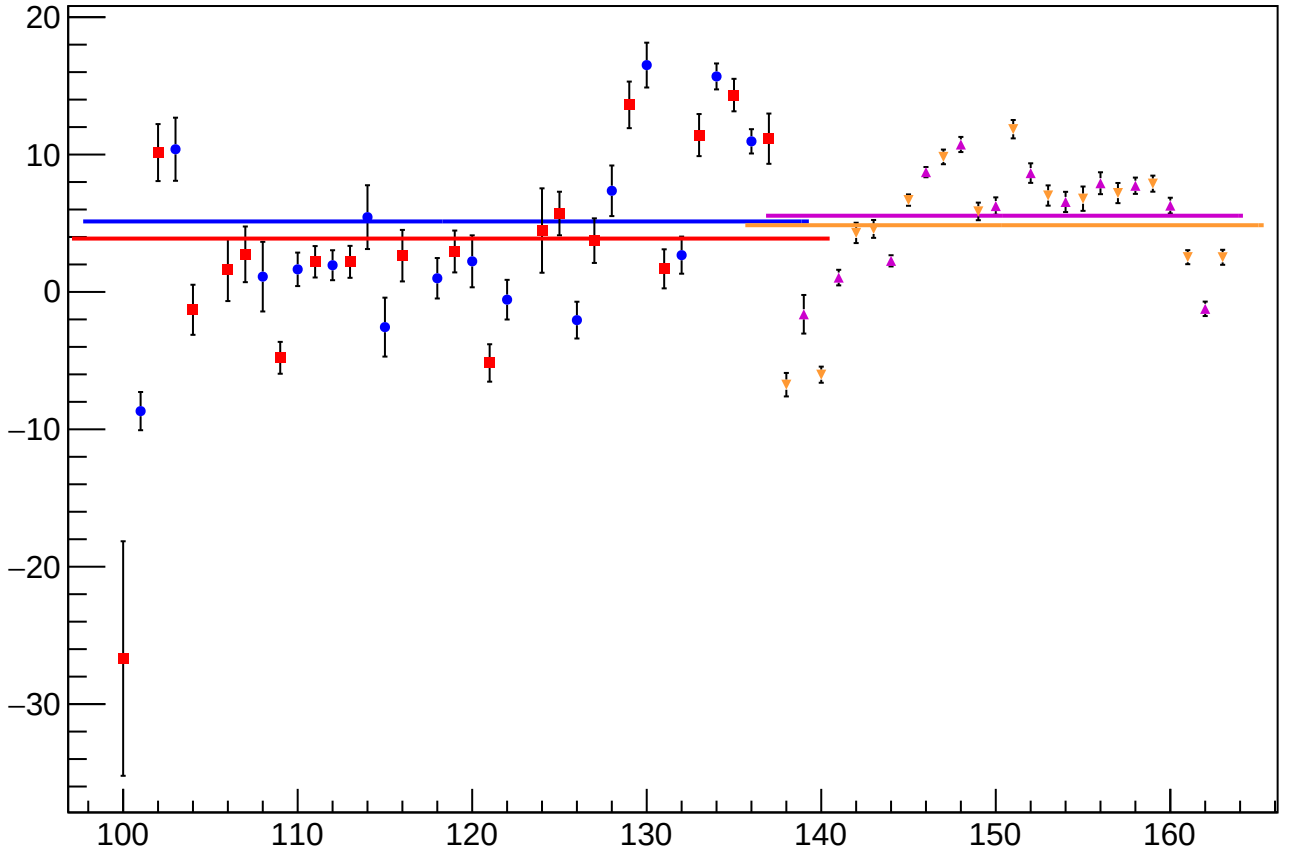
Left: -62.993+/-0.140 χ^2/NDF: 5563.6/25

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.119+/-0.170 χ^2/NDF:5025.4/27

Out: -67.286+/-0.169 χ^2/NDF:4317.1/32

All: -66.705+/-0.120 χ^2/NDF: 9366.1/60



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.856+/-0.163 χ^2/NDF:836.7/13

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 5.548+/-0.163 χ^2/NDF:527.5/11

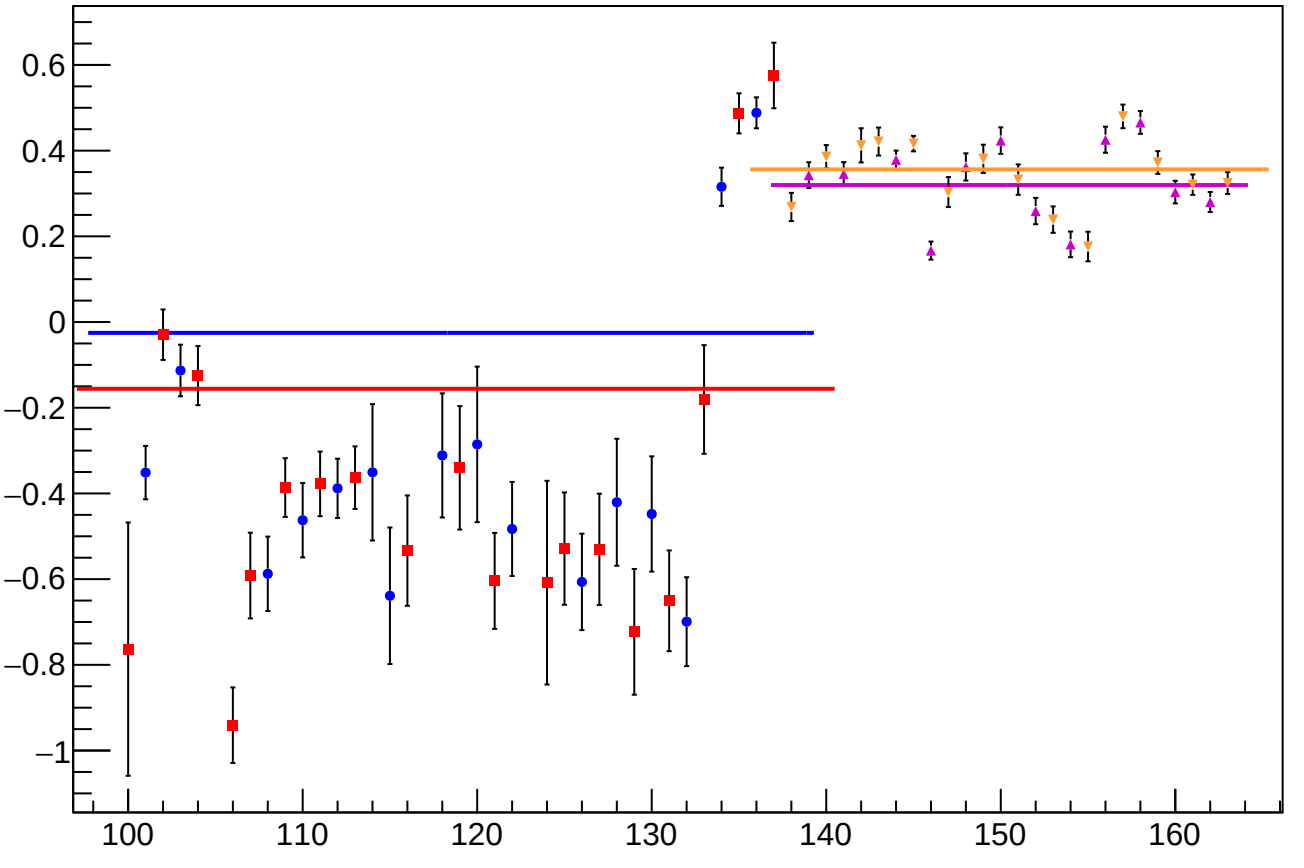
Left: 5.202+/-0.115 χ^2/NDF: 1373.2/25

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 5.474+/-0.148 χ^2/NDF:941.0/27

Out: 4.692+/-0.149 χ^2/NDF:1134.2/32

All: 5.085+/-0.105 χ^2/NDF: 2089.1/60



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.356+/-0.008 χ^2/NDF:94.7/13

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.320+/-0.008 χ^2/NDF:145.2/11

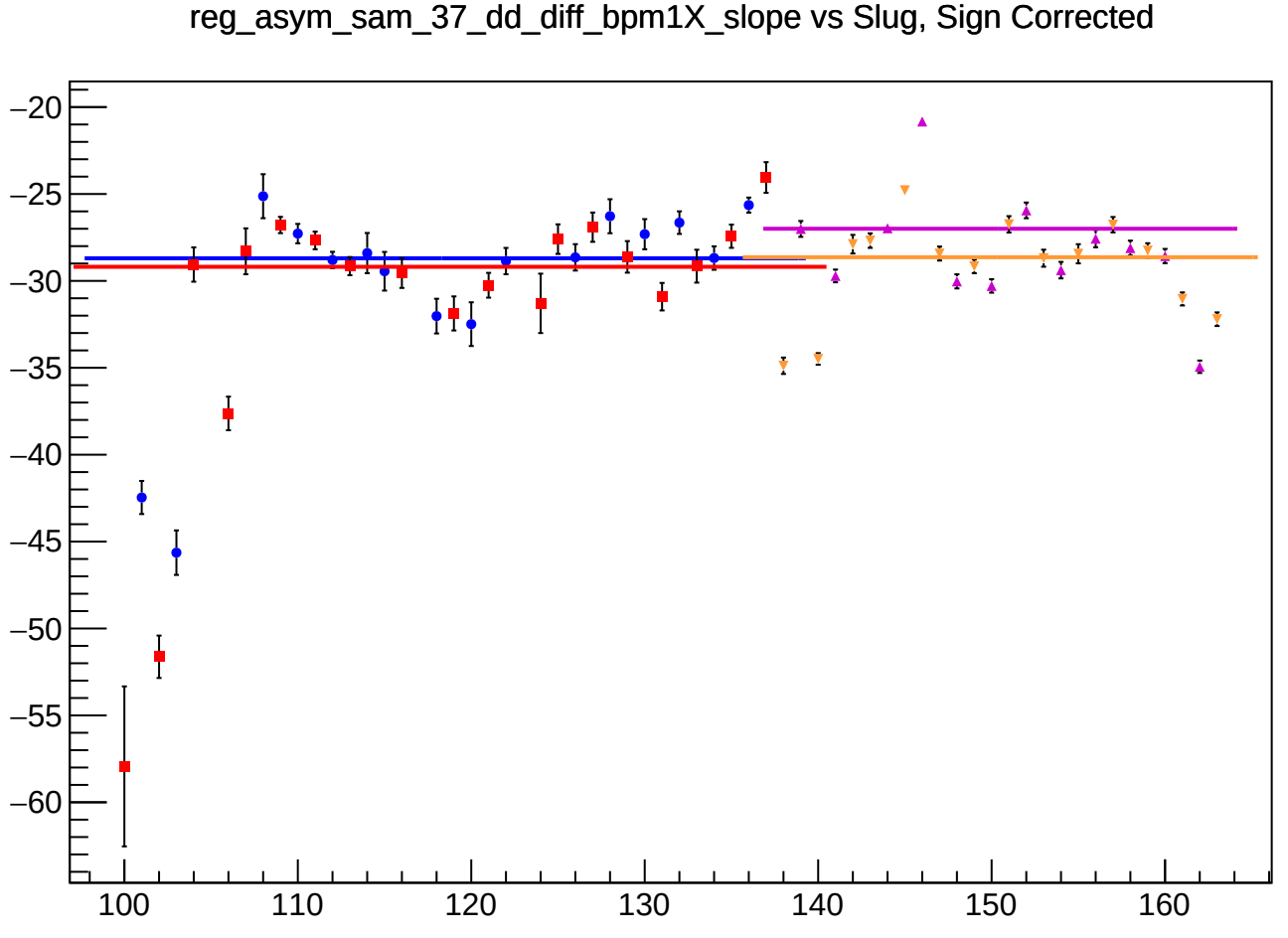
Left: 0.338+/-0.005 χ^2/NDF: 251.3/25

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.271+/-0.007 χ^2/NDF:942.2/27

Out: 0.293+/-0.007 χ^2/NDF:1152.1/32

All: 0.282+/-0.005 χ^2/NDF: 2099.3/60



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.638+/-0.102 χ^2/NDF:1010.0/13

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.998+/-0.100 χ^2/NDF:1626.6/11

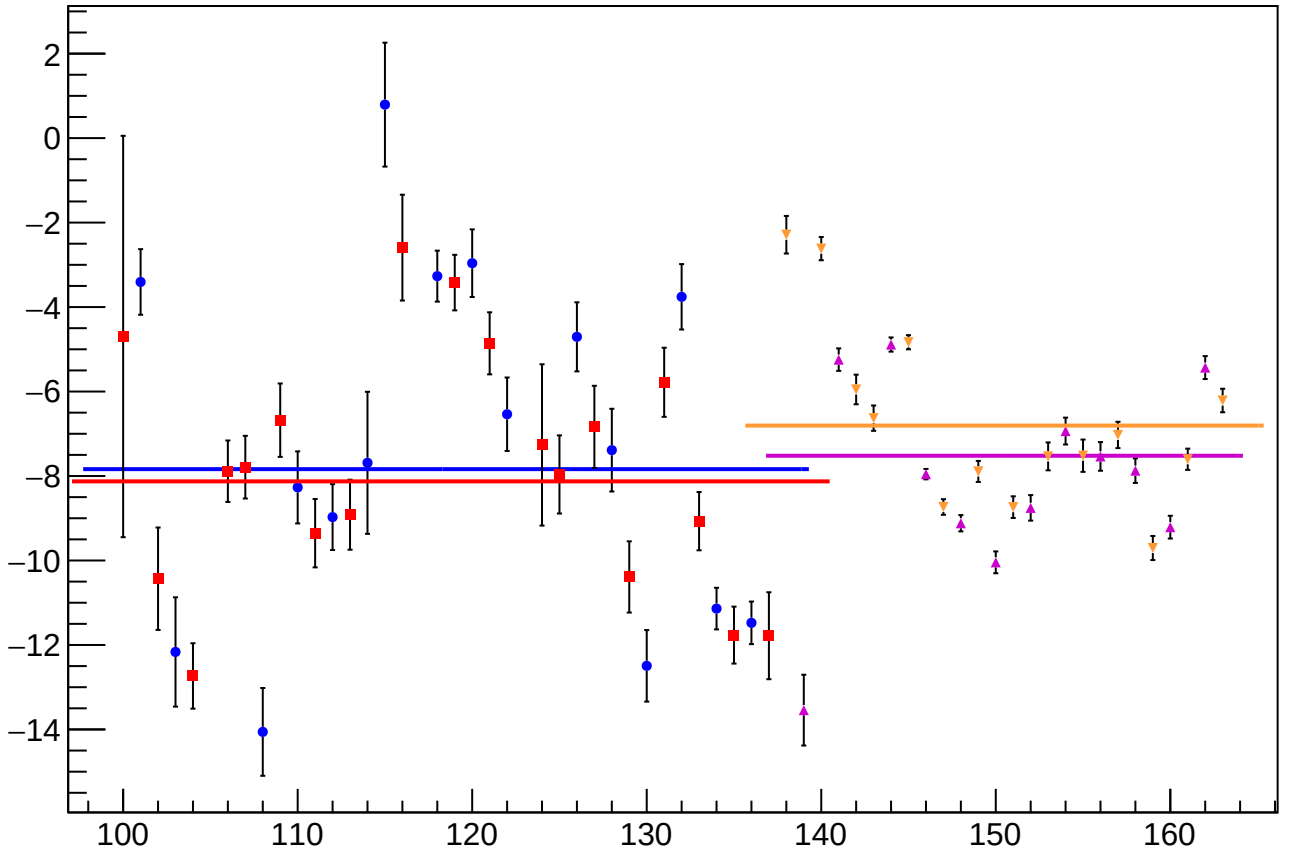
Left: -27.800+/-0.071 χ^2/NDF: 2768.2/25

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.379+/-0.088 χ^2/NDF:2178.8/27

Out: -28.771+/-0.089 χ^2/NDF:1574.3/32

All: -28.067+/-0.063 χ^2/NDF: 3876.7/60



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.806+/-0.071 χ^2/NDF:790.9/13

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.520+/-0.066 χ^2/NDF:666.4/11

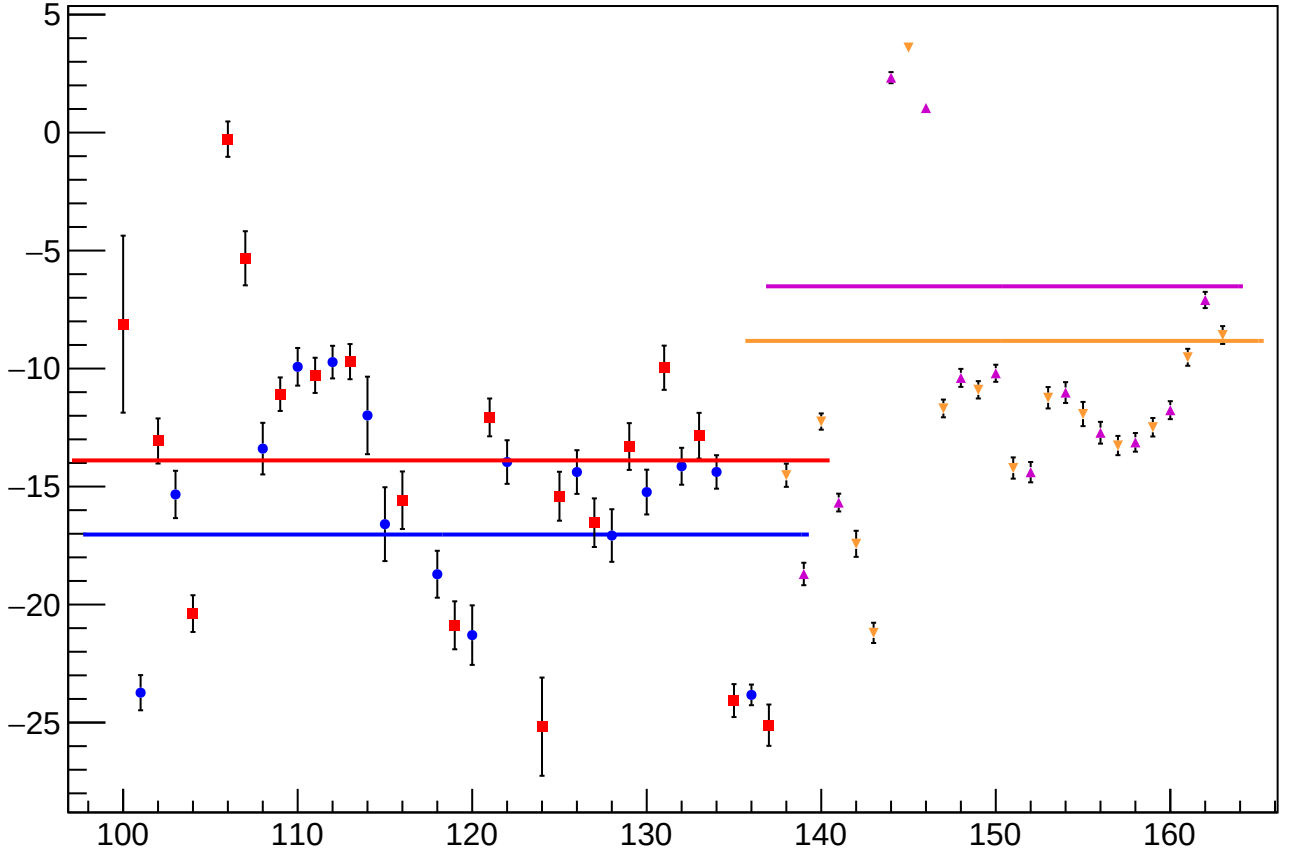
Left: -7.185+/-0.048 χ^2/NDF: 1511.6/25

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.553+/-0.063 χ^2/NDF:1051.9/27

Out: -6.957+/-0.066 χ^2/NDF:1028.1/32

All: -7.272+/-0.046 χ^2/NDF: 2122.7/60



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -8.828+/-0.100 χ^2/NDF:5382.8/13

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -6.515+/-0.097 χ^2/NDF:5410.1/11

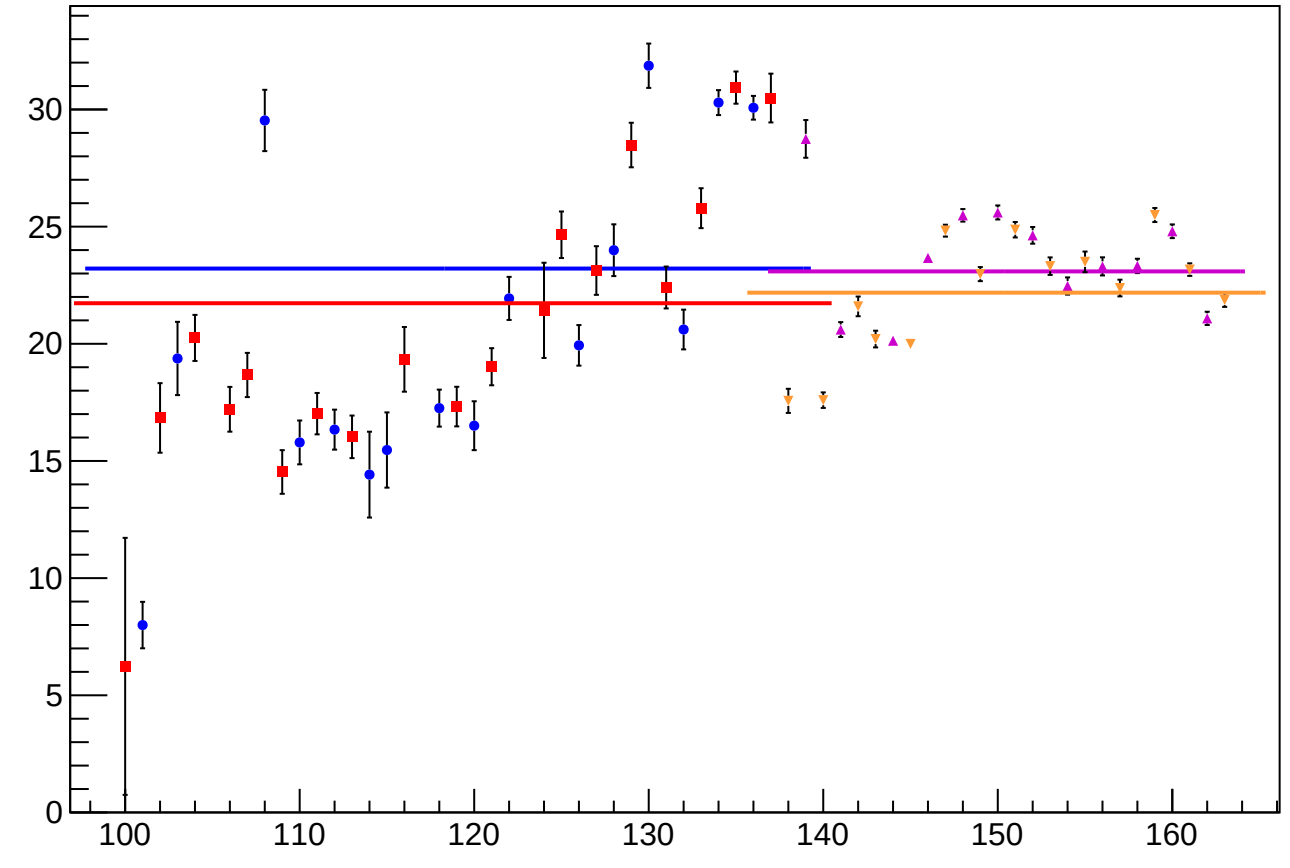
Left: -7.634+/-0.070 χ^2/NDF: 11068.1/25

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -8.371+/-0.088 χ^2/NDF:8089.3/27

Out: -9.771+/-0.090 χ^2/NDF:6876.5/32

All: -9.052+/-0.063 χ^2/NDF: 15089.0/60



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.182+/-0.083 χ^2/NDF:771.4/13

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.090+/-0.079 χ^2/NDF:606.6/11

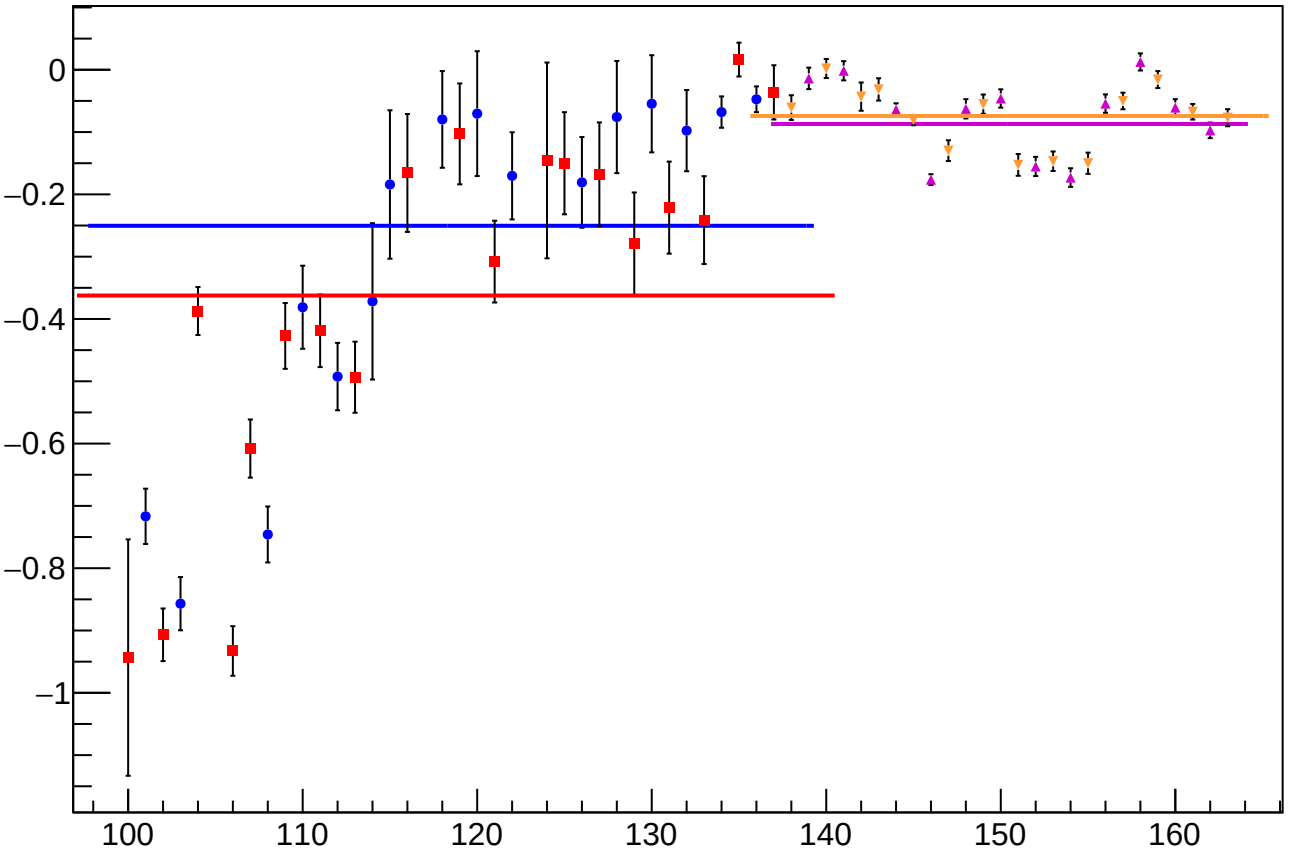
Left: 22.658+/-0.057 χ^2/NDF: 1441.2/25

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.104+/-0.074 χ^2/NDF:1615.1/27

Out: 22.128+/-0.078 χ^2/NDF:1333.2/32

All: 22.638+/-0.054 χ^2/NDF: 3031.0/60



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.074+/-0.004 χ^2/NDF:129.4/13

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.087+/-0.004 χ^2/NDF:285.3/11

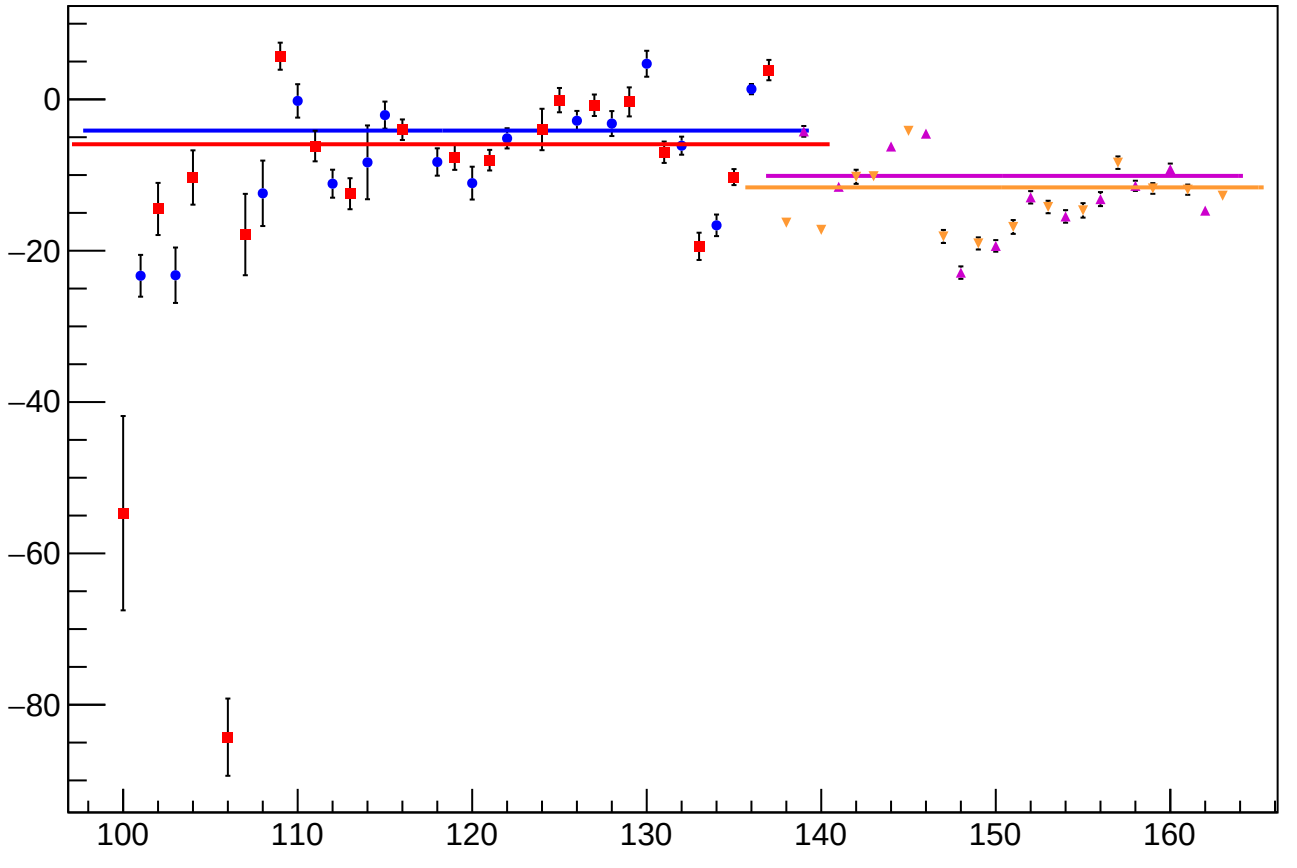
Left: -0.081+/-0.003 χ^2/NDF: 420.4/25

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.004 χ^2/NDF:1096.5/27

Out: -0.100+/-0.004 χ^2/NDF:1330.5/32

All: -0.101+/-0.003 χ^2/NDF: 2427.3/60



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.630+/-0.180 χ^2/NDF:787.9/13

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -10.111+/-0.182 χ^2/NDF:861.7/11

Left: -10.878+/-0.128 χ^2/NDF: 1684.9/25

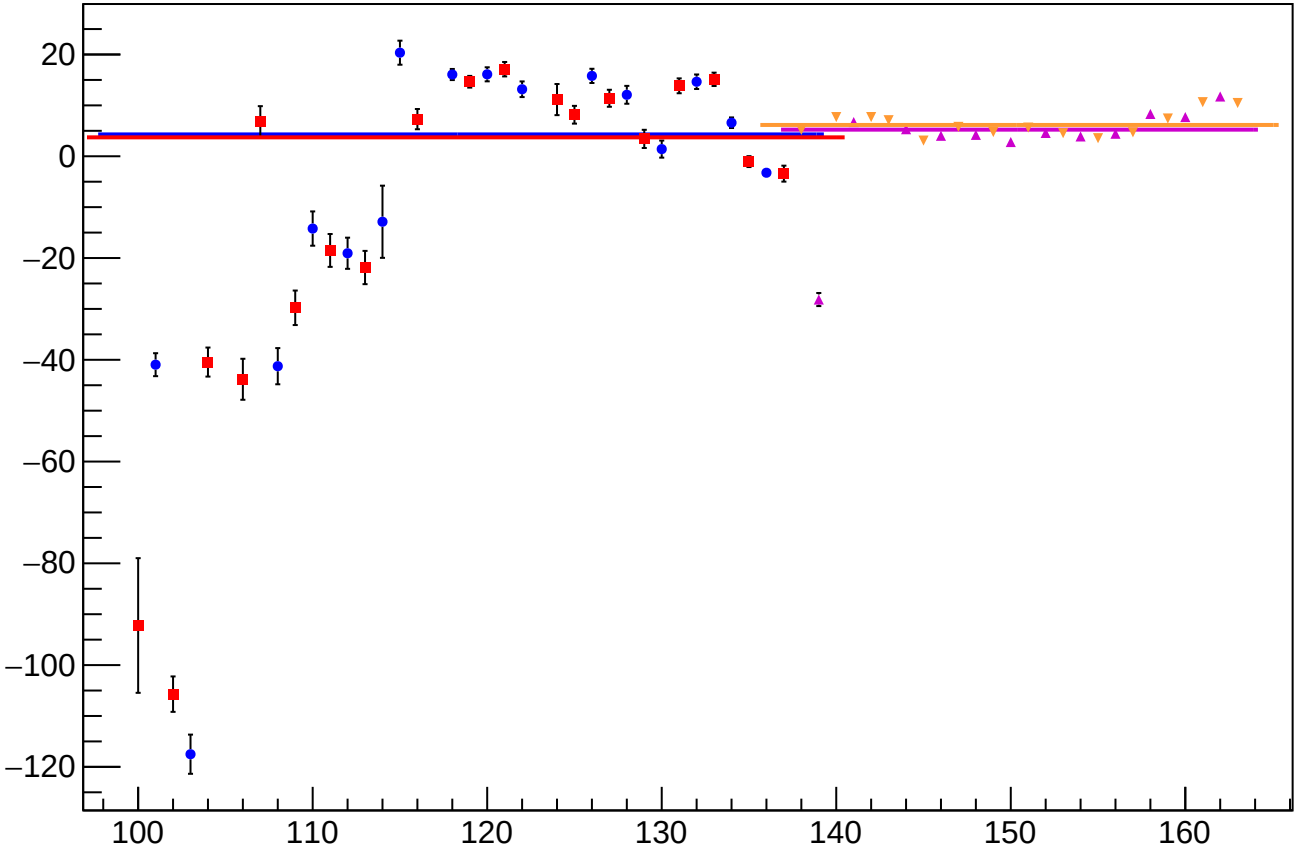
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.007+/-0.164 χ^2/NDF:1350.2/27

Out: -10.701+/-0.165 χ^2/NDF:1434.2/32

All: -9.851+/-0.116 χ^2/NDF: 2837.6/60

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.153+/-0.127 χ^2/NDF:360.8/13

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.231+/-0.124 χ^2/NDF:1019.6/11

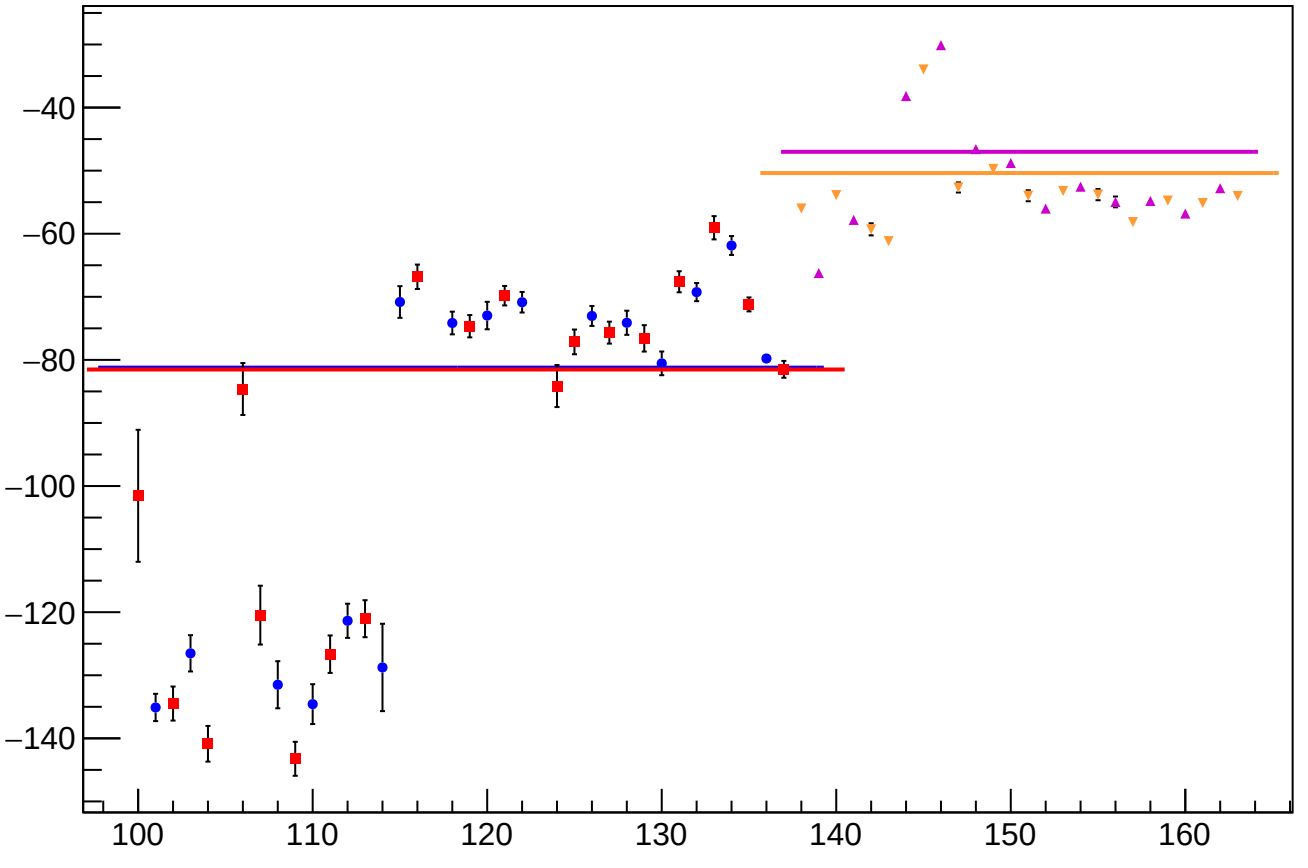
Left: 5.681+/-0.088 χ^2/NDF: 1407.5/25

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.143+/-0.118 χ^2/NDF:3194.1/27

Out: 5.952+/-0.121 χ^2/NDF:2398.6/32

All: 5.535+/-0.085 χ^2/NDF: 5615.5/60



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -50.378+/-0.177 χ^2/NDF:2616.0/13

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -47.012+/-0.176 χ^2/NDF:3960.8/11

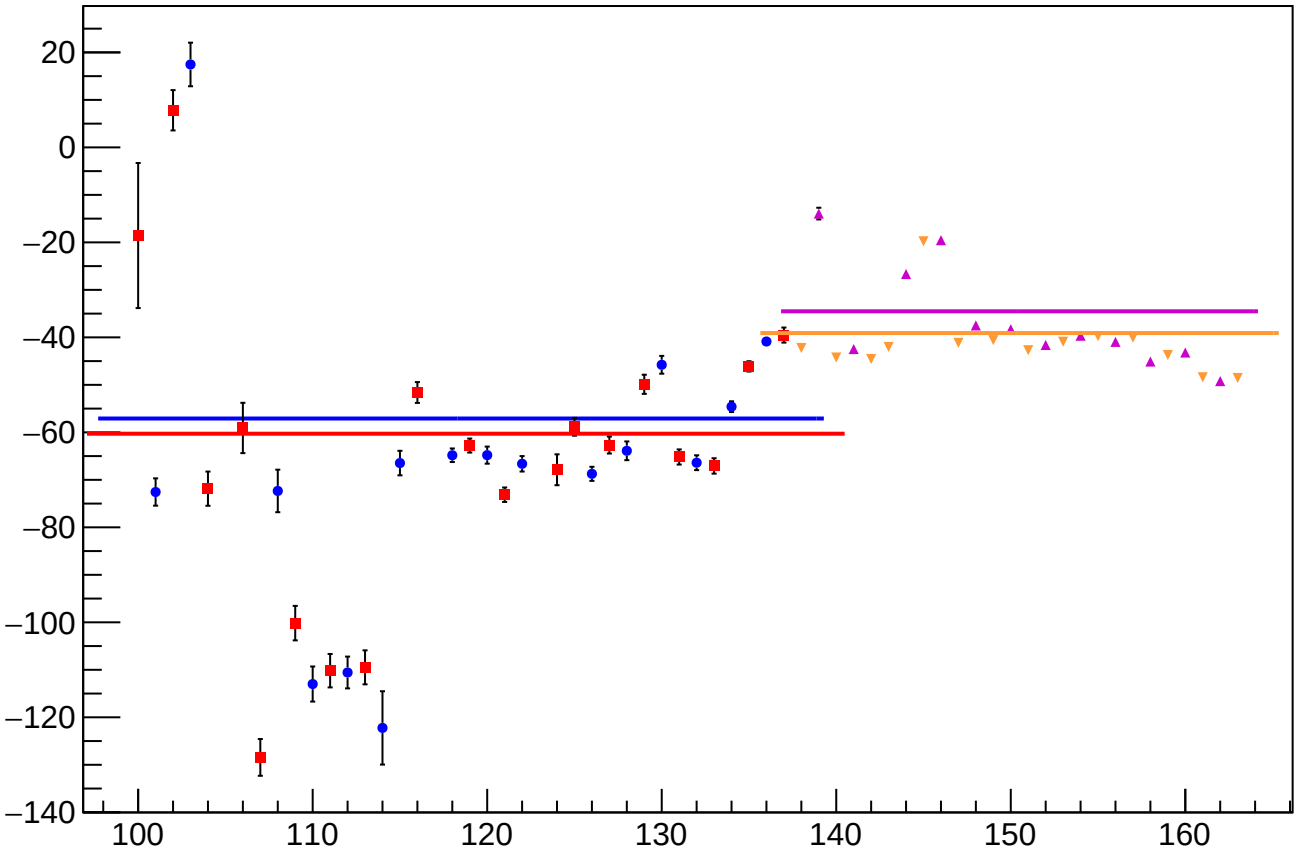
Left: -48.689+/-0.125 χ^2/NDF: 6758.0/25

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -52.214+/-0.163 χ^2/NDF:11646.6/27

Out: -54.377+/-0.165 χ^2/NDF:8877.0/32

All: -53.277+/-0.116 χ^2/NDF: 20610.6/60



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -39.093+/-0.147 χ^2/NDF:4306.5/13

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -34.513+/-0.145 χ^2/NDF:5343.0/11

Left: -36.771+/-0.103 χ^2/NDF: 10140.2/25

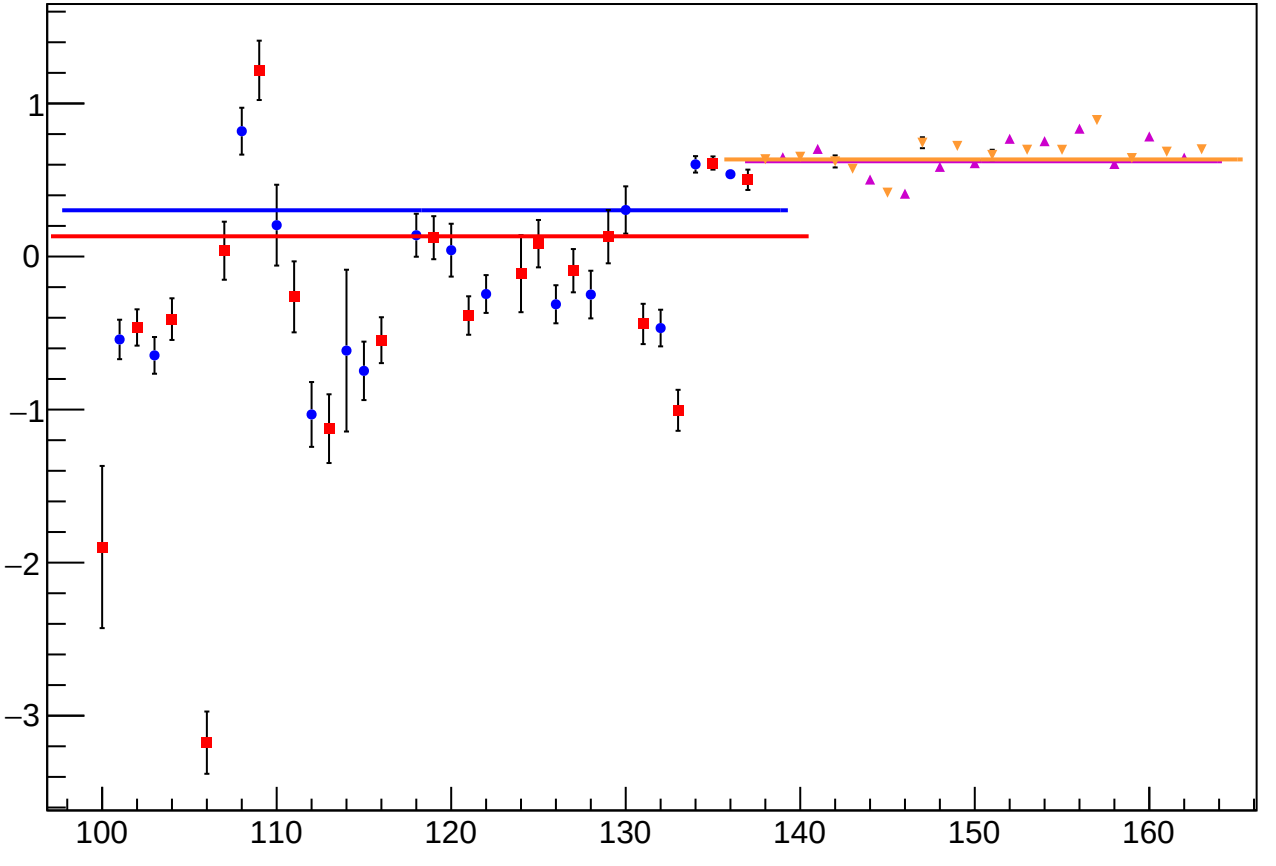
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -36.865+/-0.137 χ^2/NDF:9388.9/27

Out: -40.988+/-0.141 χ^2/NDF:7745.8/32

All: -38.880+/-0.098 χ^2/NDF: 17574.8/60

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.634+/-0.007 χ^2/NDF:363.1/13

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.622+/-0.007 χ^2/NDF:363.6/11

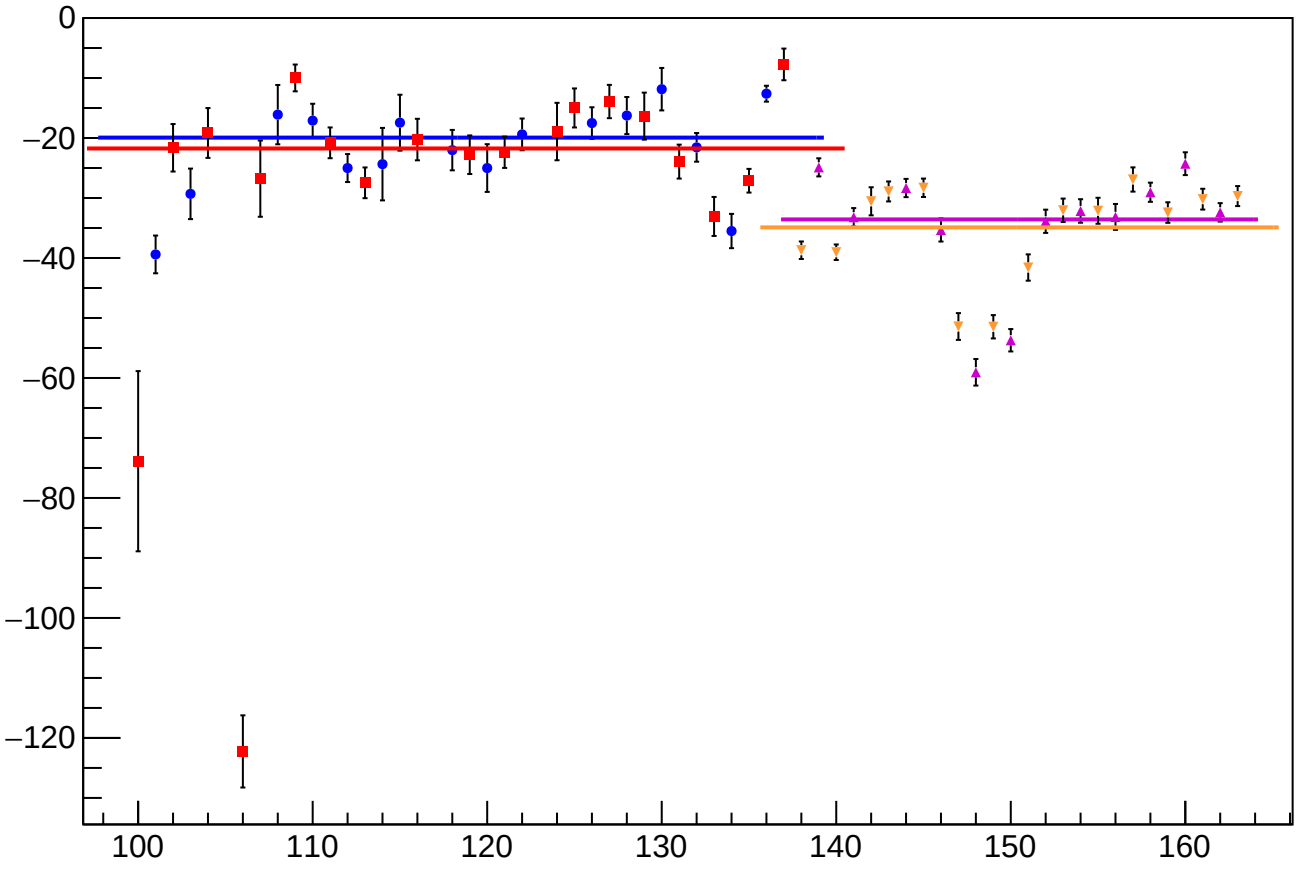
Left: 0.629+/-0.005 χ^2/NDF: 728.2/25

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.596+/-0.007 χ^2/NDF:917.3/27

Out: 0.604+/-0.007 χ^2/NDF:1372.7/32

All: 0.600+/-0.005 χ^2/NDF: 2290.6/60



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.901+/-0.473 χ^2/NDF:227.4/13

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.572+/-0.507 χ^2/NDF:327.8/11

Left: -34.281+/-0.346 χ^2/NDF: 558.9/25

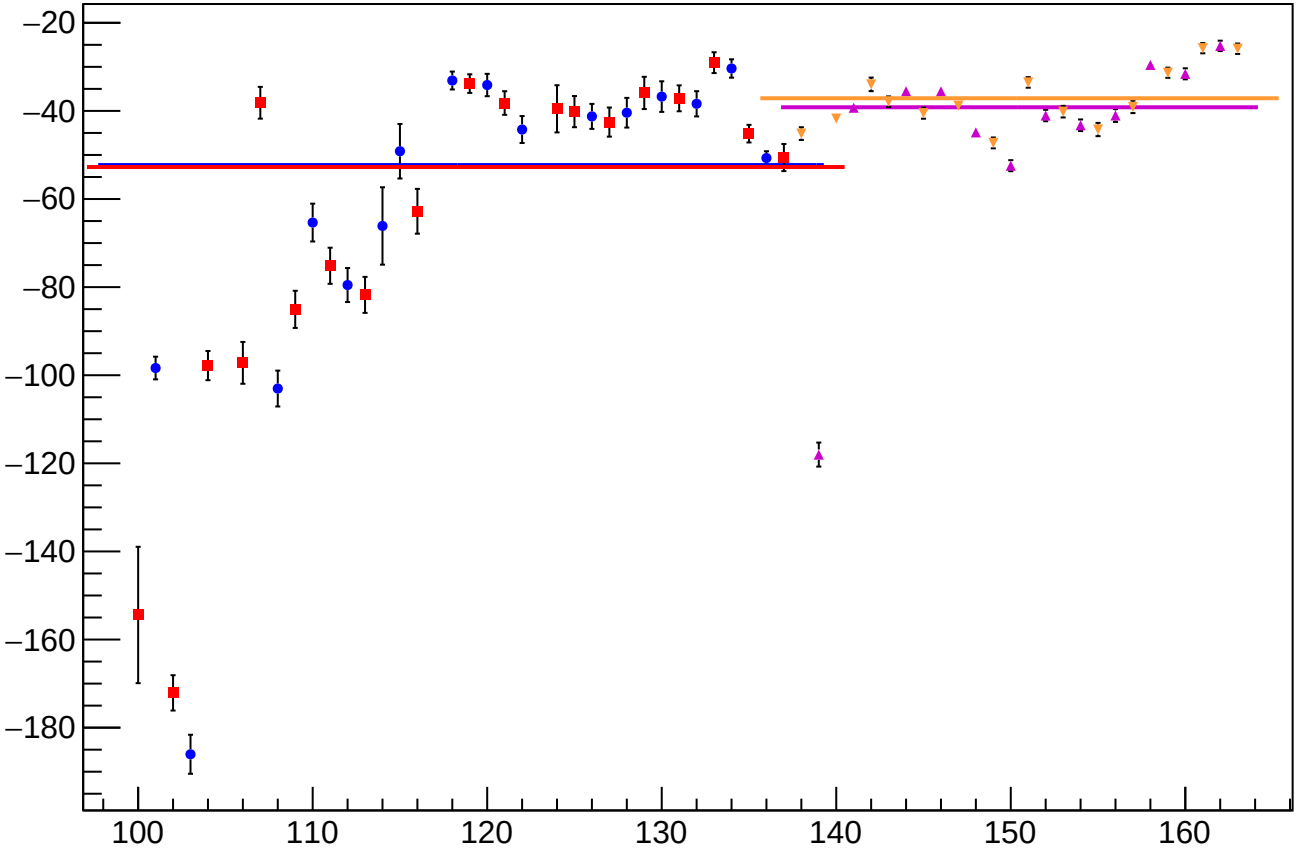
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.836+/-0.409 χ^2/NDF:699.9/27

Out: -30.880+/-0.395 χ^2/NDF:851.6/32

All: -29.896+/-0.284 χ^2/NDF: 1564.4/60

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: -37.125+/-0.332 χ^2/NDF:380.1/13

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -39.173+/-0.356 χ^2/NDF:1266.0/11

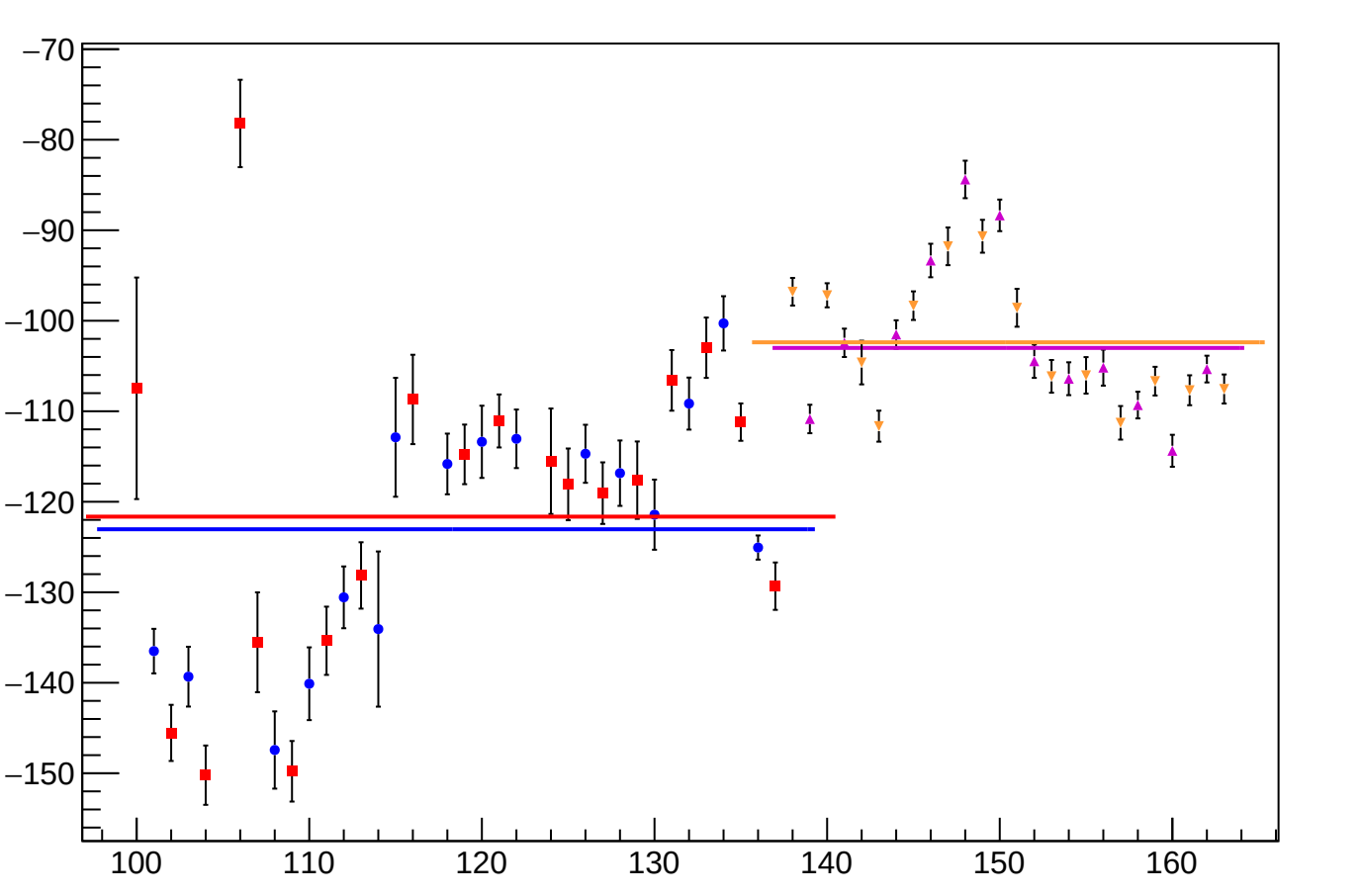
Left: -38.076+/-0.243 χ^2/NDF: 1663.8/25

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

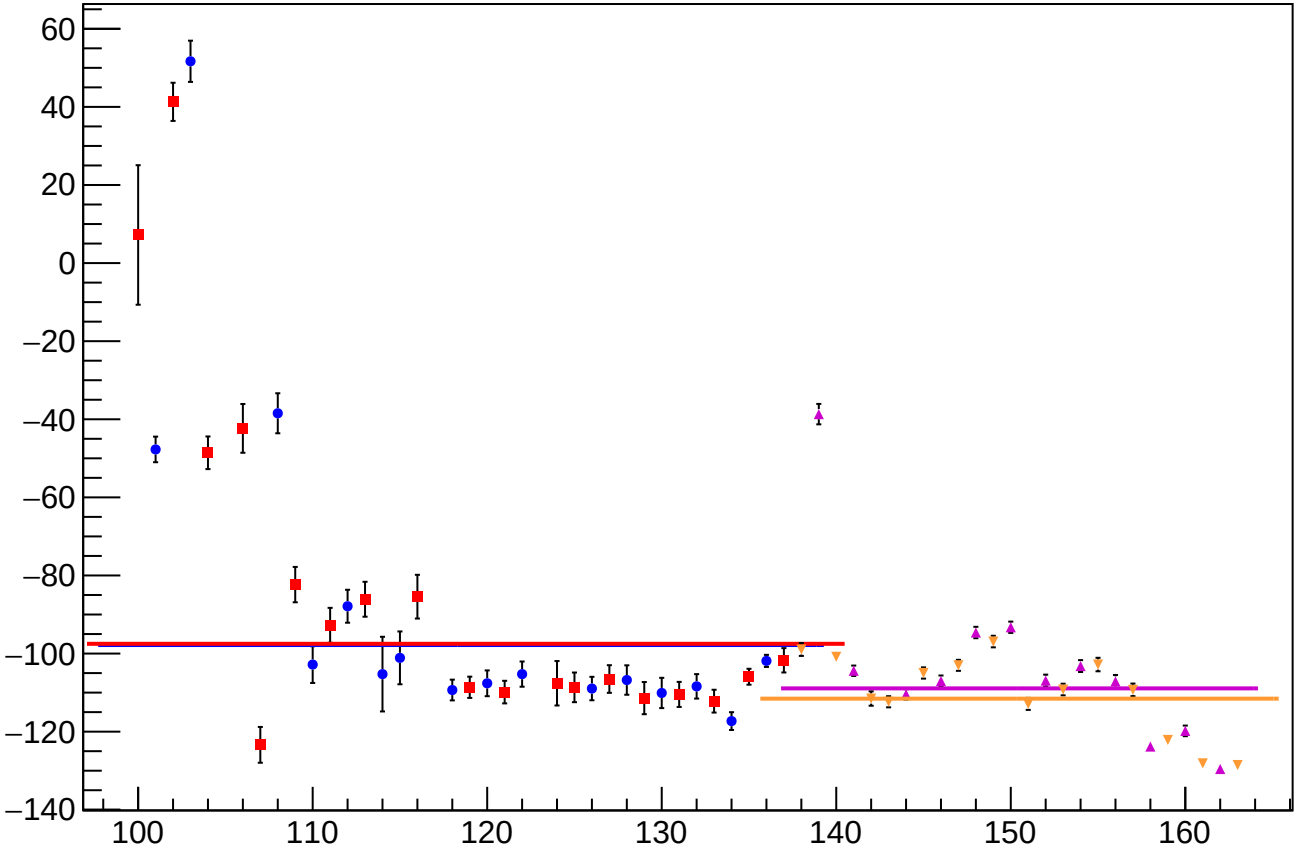
In: -41.823+/-0.318 χ^2/NDF:3318.3/27

Out: -39.689+/-0.303 χ^2/NDF:2406.5/32

All: -40.704+/-0.220 χ^2/NDF: 5748.4/60


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
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -102.383+/-0.463 χ²/NDF:194.8/13
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -103.004+/-0.490 χ²/NDF:272.1/11
Left: -102.676+/-0.337 χ²/NDF: 467.7/25
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -109.001+/-0.410 χ²/NDF:998.9/27
Out: -107.205+/-0.401 χ²/NDF:1052.7/32
All: -108.082+/-0.287 χ²/NDF: 2061.4/60

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -111.548+/-0.385 χ^2/NDF:752.8/13

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -108.917+/-0.411 χ^2/NDF:1483.0/11

Left: -110.318+/-0.281 χ^2/NDF: 2257.6/25

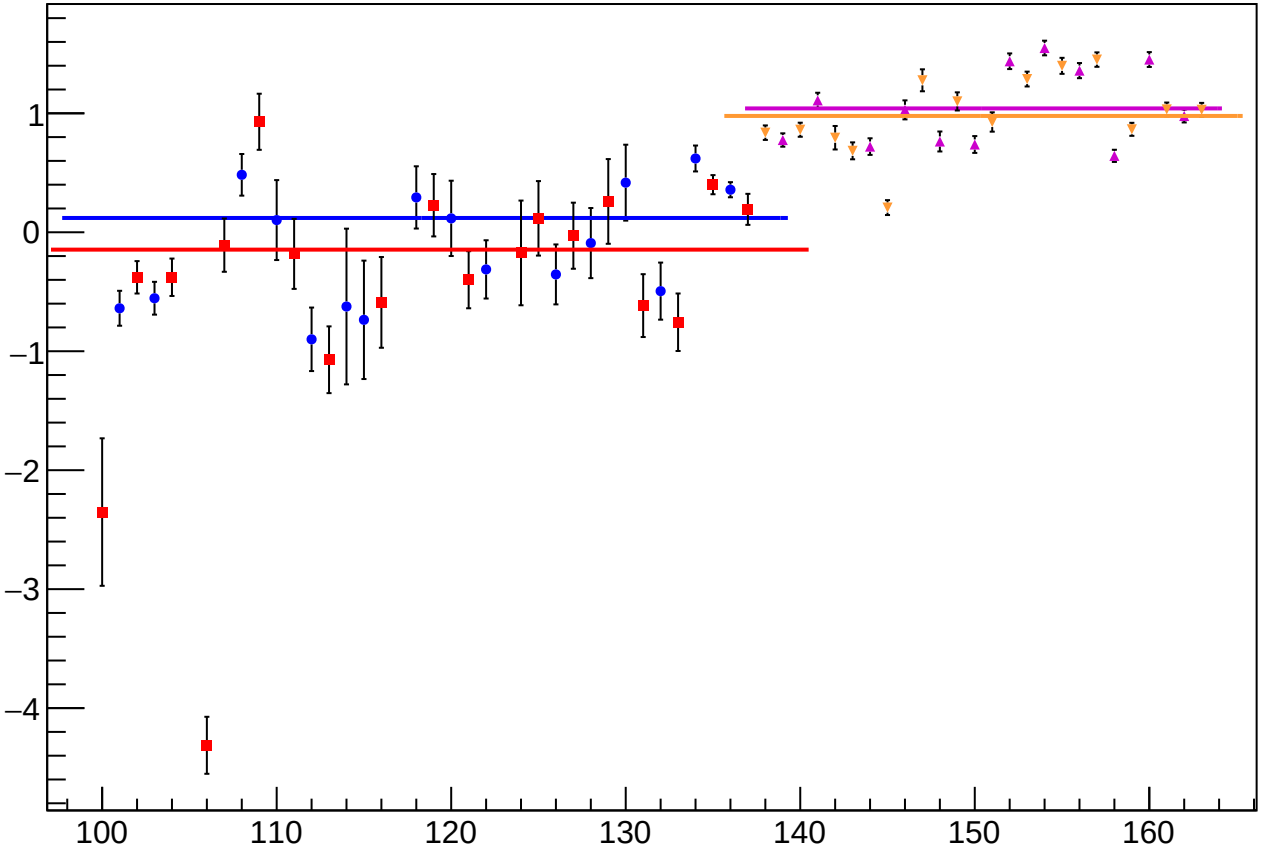
Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -106.568+/-0.365 χ^2/NDF:2968.4/27

Out: -109.123+/-0.350 χ^2/NDF:2219.0/32

All: -107.898+/-0.253 χ^2/NDF: 5212.9/60

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.978+/-0.018 χ^2/NDF:325.4/13

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.041+/-0.018 χ^2/NDF:308.2/11

Left: 1.008+/-0.013 χ^2/NDF: 639.7/25

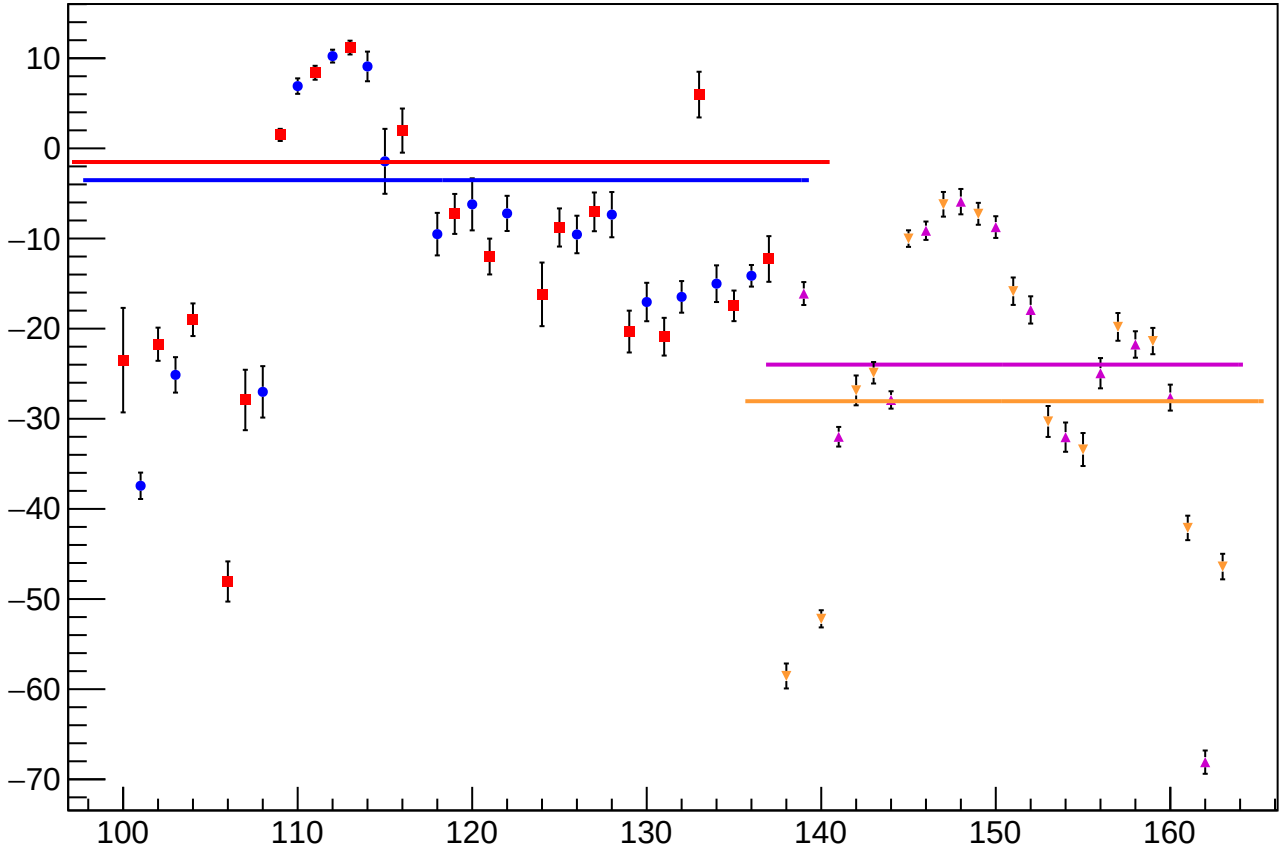
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.889+/-0.017 χ^2/NDF:848.8/27

Out: 0.828+/-0.016 χ^2/NDF:1289.8/32

All: 0.858+/-0.012 χ^2/NDF: 2145.4/60

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: -28.051+/-0.352 χ^2/NDF:2464.3/13

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -23.991+/-0.367 χ^2/NDF:1861.7/11

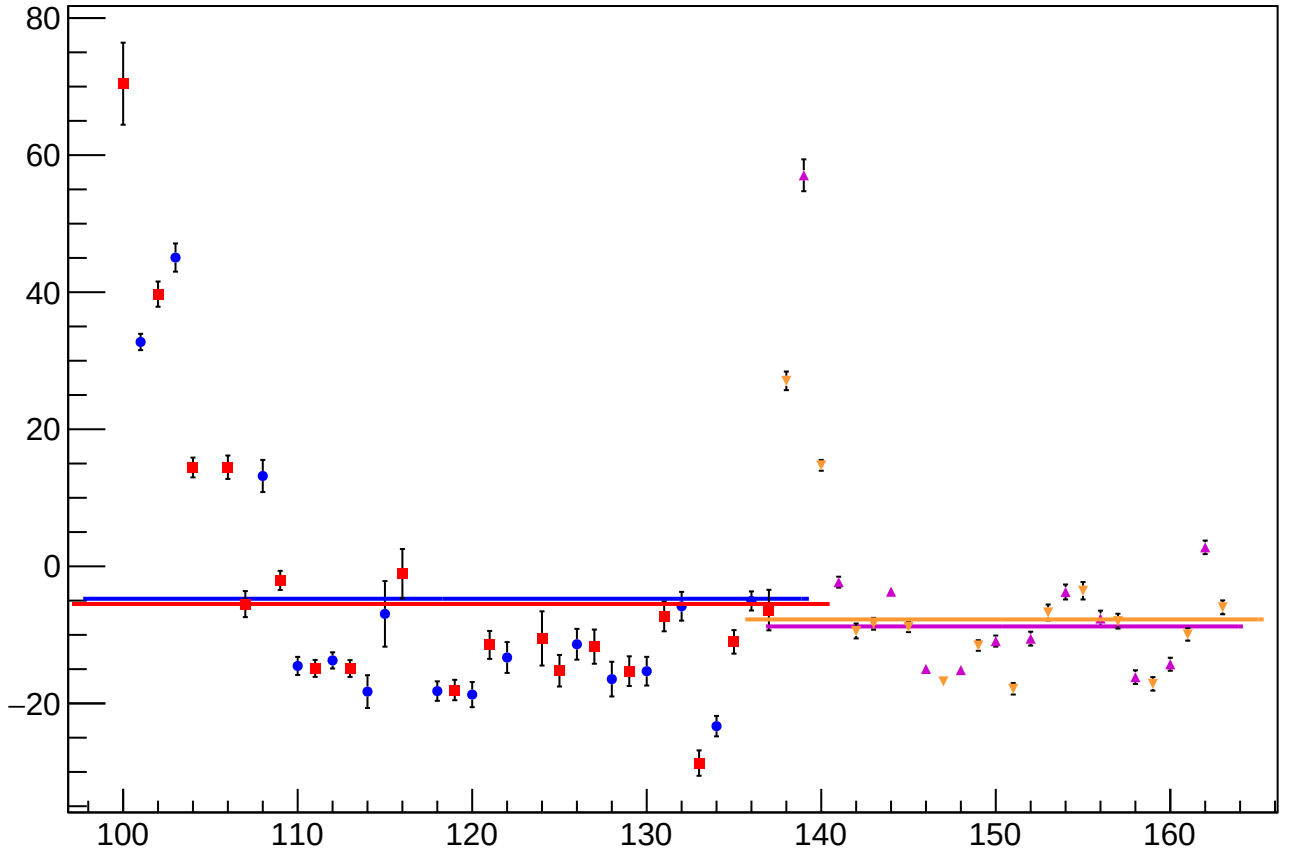
Left: -26.109+/-0.254 χ^2/NDF: 4389.7/25

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -14.018+/-0.263 χ^2/NDF:4903.2/27

Out: -14.274+/-0.244 χ^2/NDF:6945.4/32

All: -14.156+/-0.179 χ^2/NDF: 11849.1/60



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.745+/-0.242 χ^2/NDF:1956.1/13

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -8.767+/-0.251 χ^2/NDF:1369.0/11

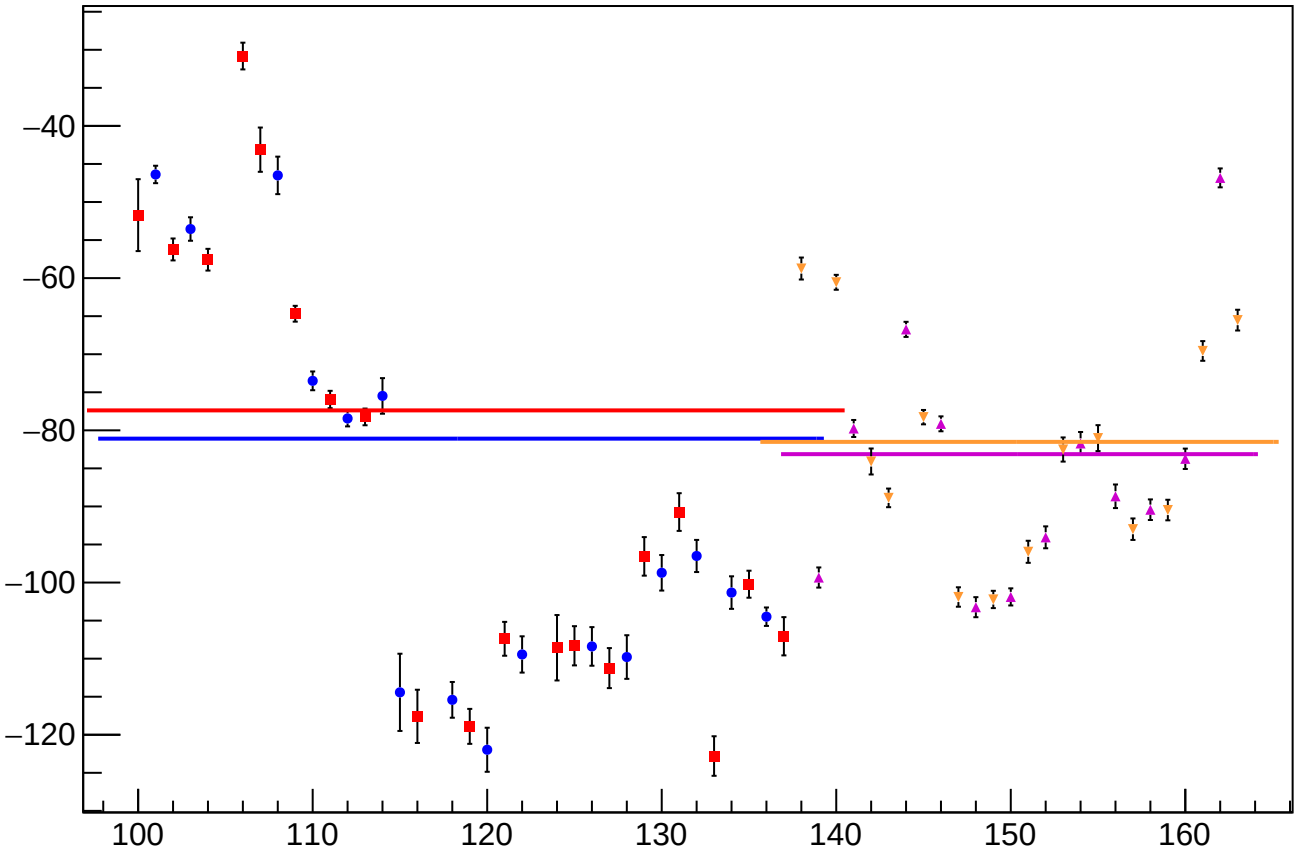
Left: -8.238+/-0.174 χ^2/NDF: 3333.7/25

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.745+/-0.217 χ^2/NDF:3582.6/27

Out: -7.187+/-0.210 χ^2/NDF:3486.1/32

All: -7.457+/-0.151 χ^2/NDF: 7072.1/60



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -81.516+/-0.344 χ^2/NDF:1775.0/13

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -83.130+/-0.356 χ^2/NDF:1912.2/11

Left: -82.295+/-0.248 χ^2/NDF: 3697.8/25

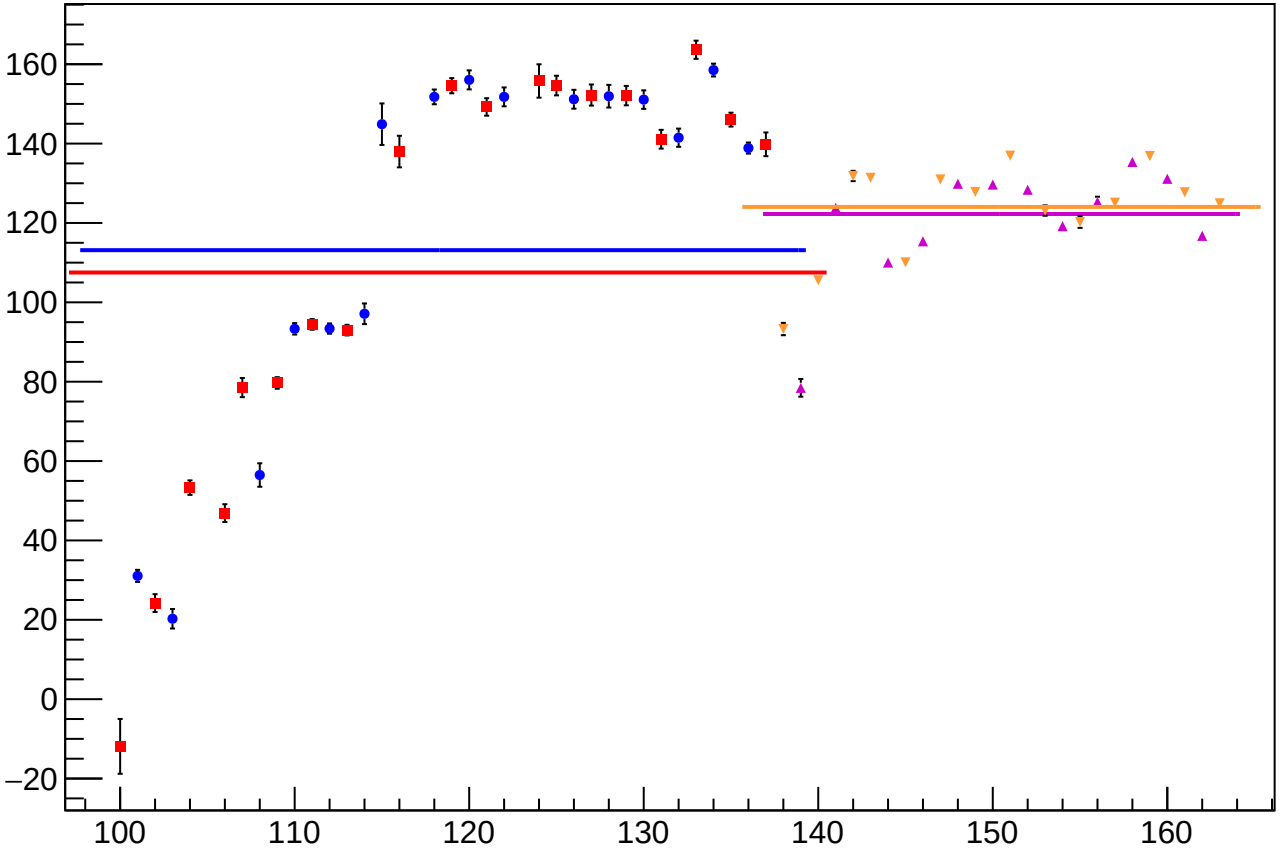
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -82.319+/-0.276 χ^2/NDF:4795.6/27

Out: -79.838+/-0.265 χ^2/NDF:4963.2/32

All: -81.029+/-0.191 χ^2/NDF: 9800.6/60

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: 124.043+/-0.285 χ^2/NDF:1516.8/13

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 122.260+/-0.295 χ^2/NDF:1111.9/11

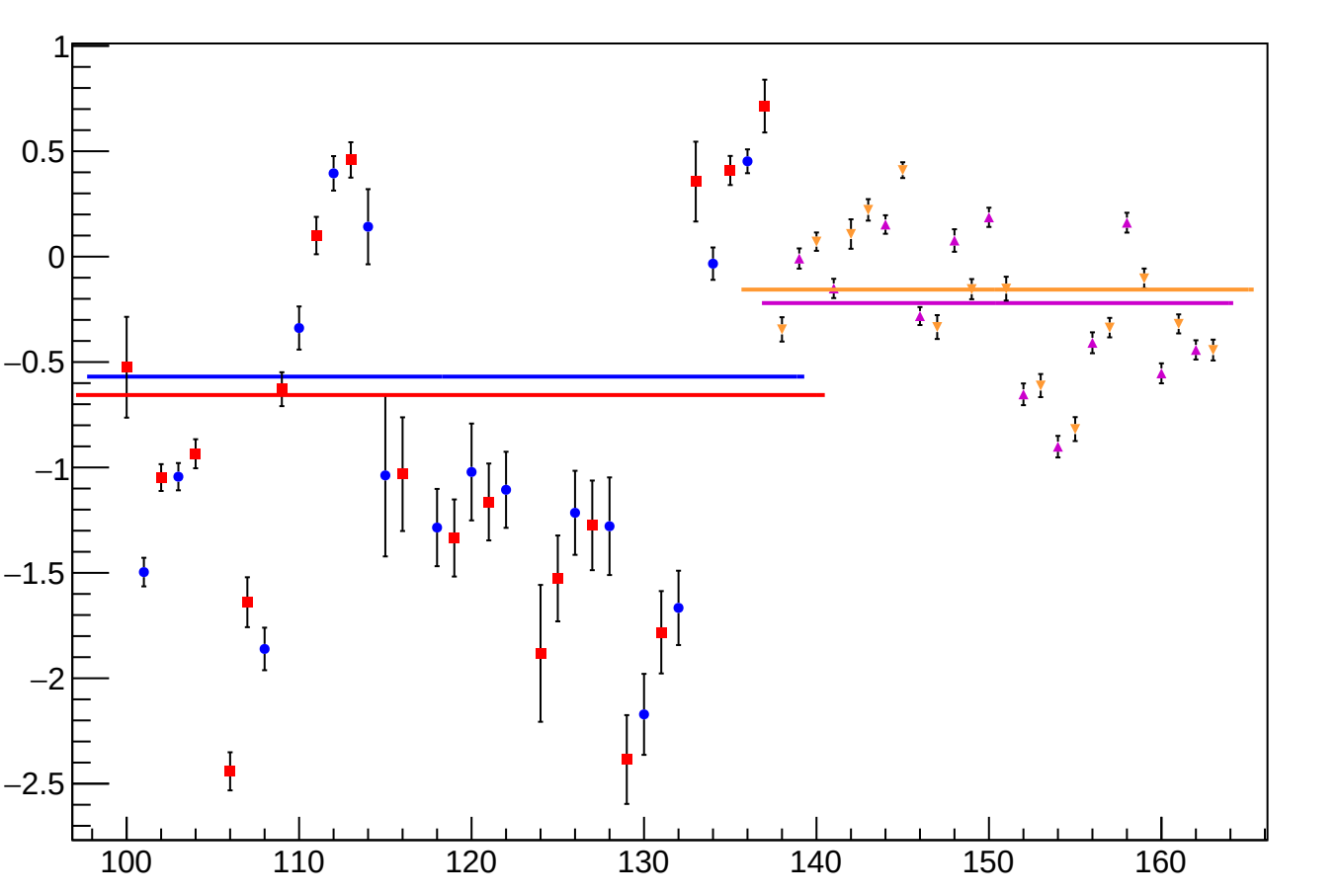
Left: 123.183+/-0.205 χ^2/NDF: 2647.7/25

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 119.829+/-0.252 χ^2/NDF:9571.0/27

Out: 119.733+/-0.245 χ^2/NDF:9939.7/32

All: 119.779+/-0.176 χ^2/NDF: 19510.7/60



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.156+/-0.013 χ^2/NDF:615.2/13

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.220+/-0.014 χ^2/NDF:608.0/11

Left: -0.187+/-0.010 χ^2/NDF: 1234.5/25

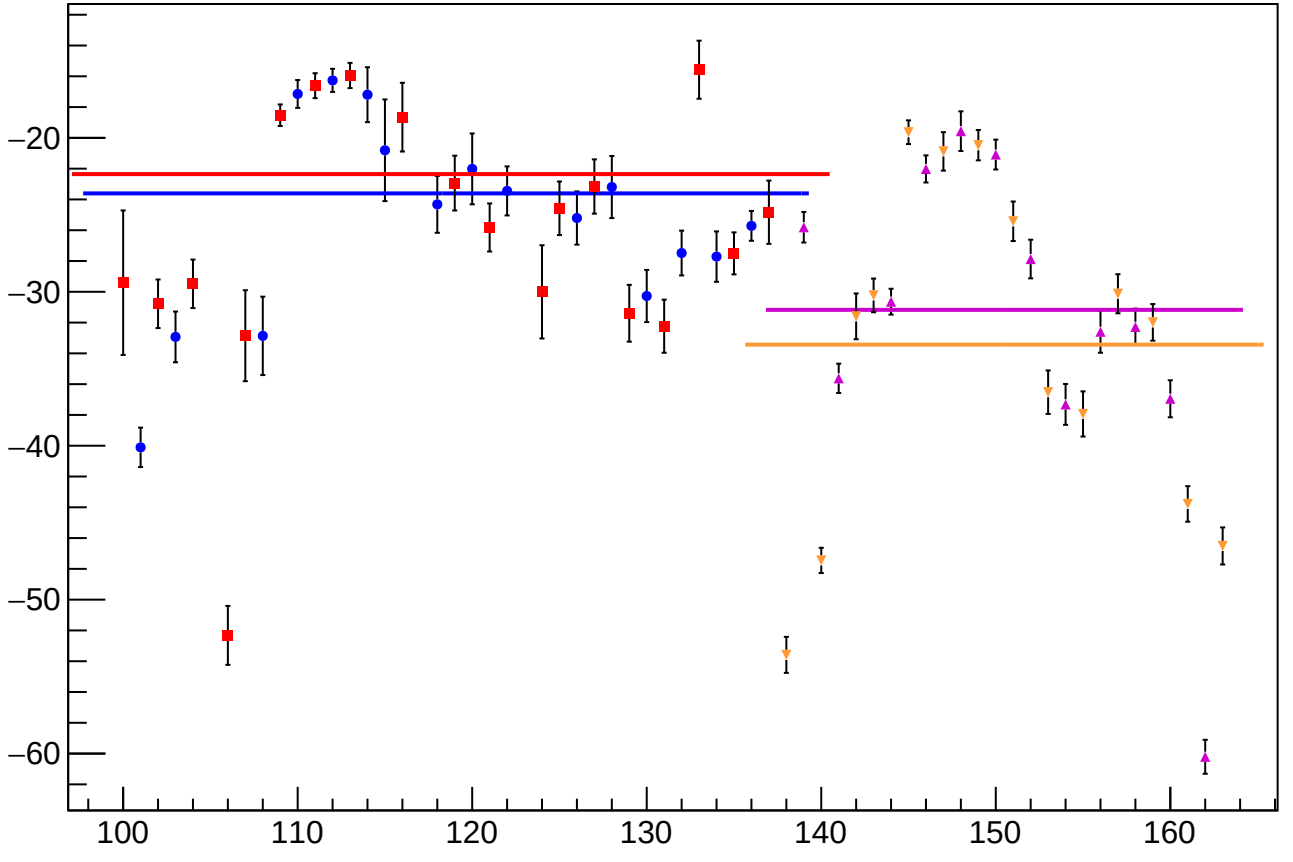
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.297+/-0.012 χ^2/NDF:1848.3/27

Out: -0.265+/-0.012 χ^2/NDF:2238.5/32

All: -0.280+/-0.008 χ^2/NDF: 4090.3/60

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: -33.432+/-0.299 χ^2/NDF:1454.2/13

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -31.173+/-0.309 χ^2/NDF:1093.7/11

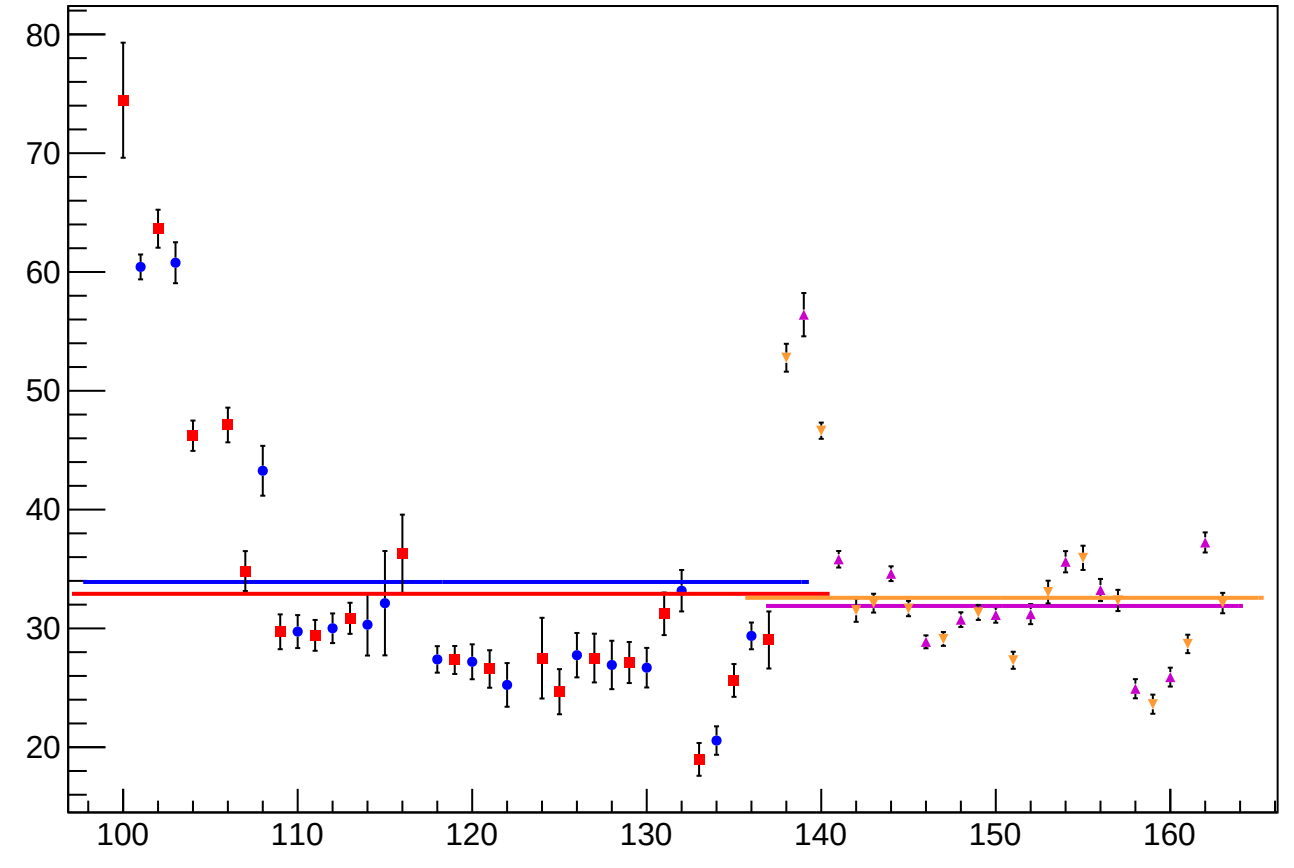
Left: -32.342+/-0.215 χ^2/NDF: 2575.6/25

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -27.837+/-0.231 χ^2/NDF:1764.0/27

Out: -28.303+/-0.219 χ^2/NDF:2642.5/32

All: -28.083+/-0.159 χ^2/NDF: 4408.7/60



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.576+/-0.208 χ^2/NDF:978.5/13

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 31.890+/-0.215 χ^2/NDF:459.0/11

Left: 32.245+/-0.149 χ^2/NDF: 1442.7/25

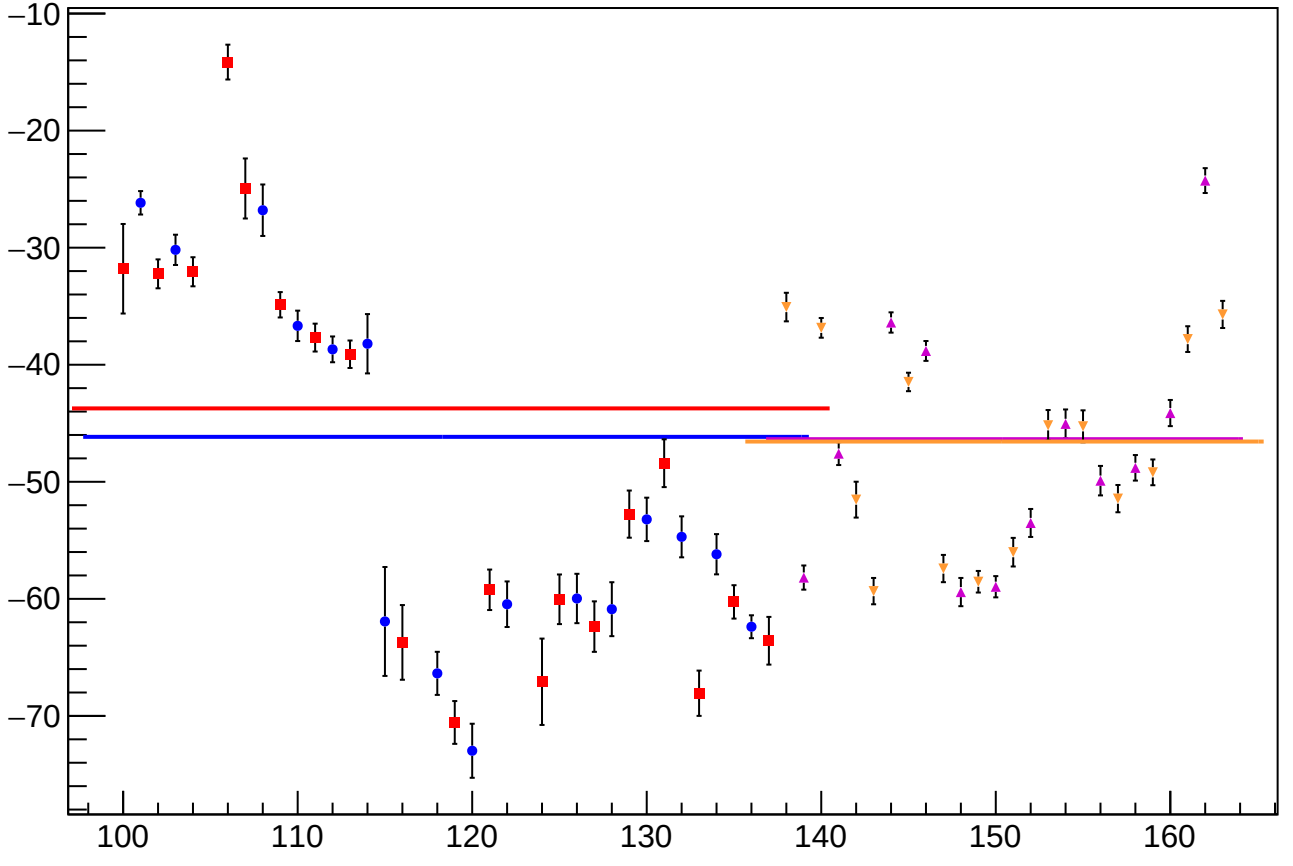
Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.390+/-0.187 χ^2/NDF:1665.2/27

Out: 32.655+/-0.181 χ^2/NDF:1854.0/32

All: 32.526+/-0.130 χ^2/NDF: 3520.3/60

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -46.562+/-0.292 χ^2/NDF:894.1/13

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -46.359+/-0.300 χ^2/NDF:1141.1/11

Left: -46.463+/-0.209 χ^2/NDF: 2035.4/25

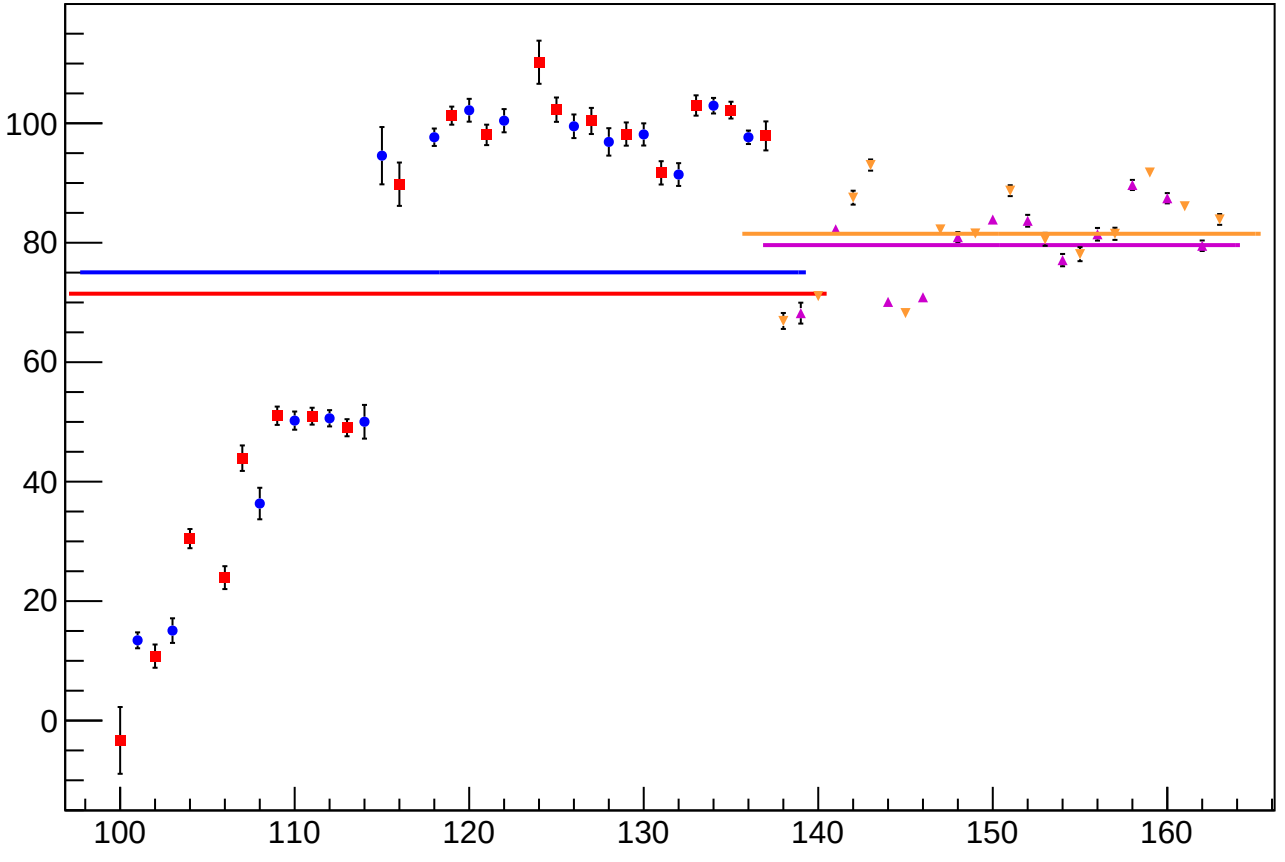
Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -46.285+/-0.238 χ^2/NDF:2630.9/27

Out: -45.505+/-0.231 χ^2/NDF:2592.6/32

All: -45.884+/-0.166 χ^2/NDF: 5229.0/60

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 81.501+/-0.243 χ^2/NDF:1043.0/13

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 79.603+/-0.251 χ^2/NDF:677.7/11

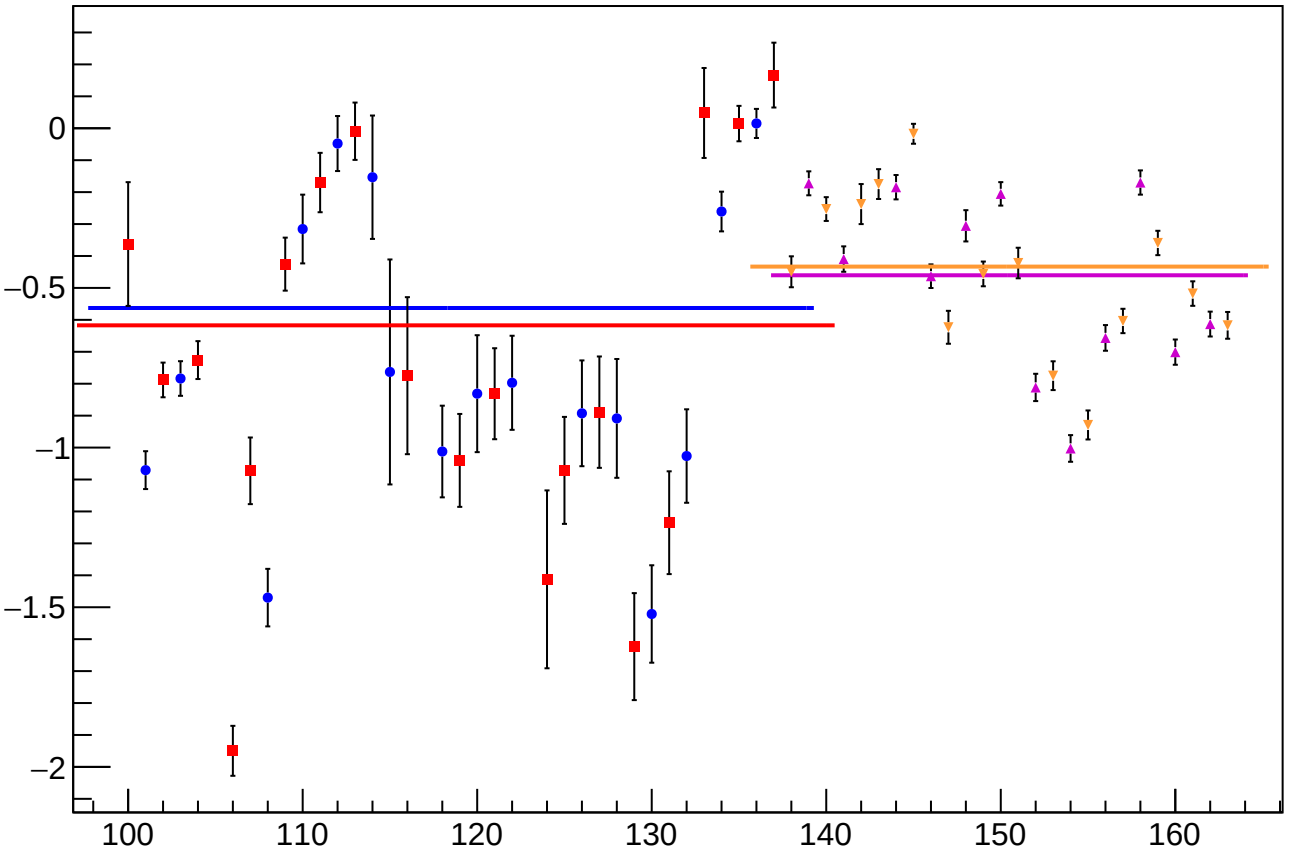
Left: 80.582+/-0.174 χ^2/NDF: 1750.3/25

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 78.436+/-0.216 χ^2/NDF:6590.8/27

Out: 79.036+/-0.211 χ^2/NDF:7090.3/32

All: 78.743+/-0.151 χ^2/NDF: 13685.1/60



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.433+/-0.011 χ^2/NDF:479.9/13

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.460+/-0.011 χ^2/NDF:542.0/11

Left: -0.447+/-0.008 χ^2/NDF: 1024.8/25

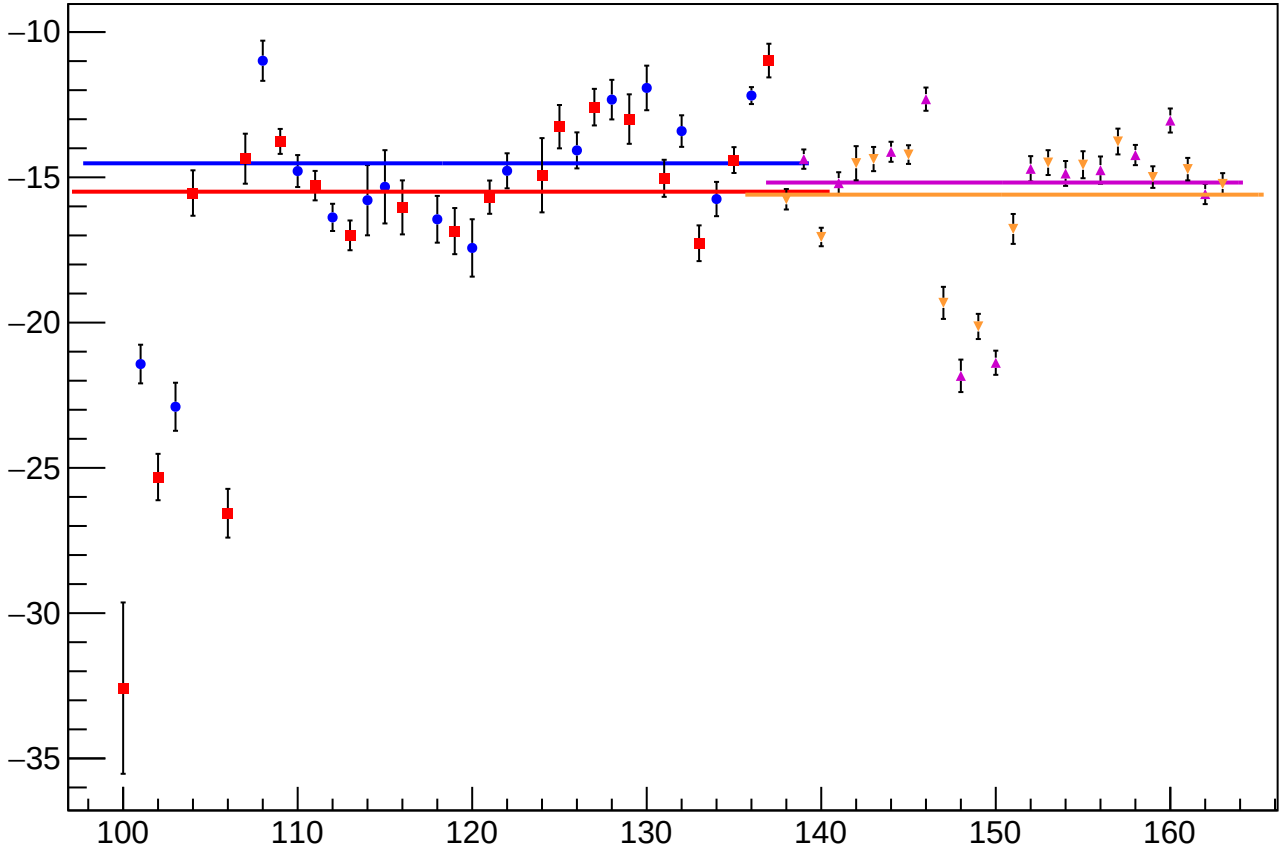
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.482+/-0.010 χ^2/NDF:1051.9/27

Out: -0.471+/-0.010 χ^2/NDF:1224.7/32

All: -0.476+/-0.007 χ^2/NDF: 2277.2/60

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -15.596+/-0.108 χ^2/NDF:249.4/13

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.179+/-0.114 χ^2/NDF:468.8/11

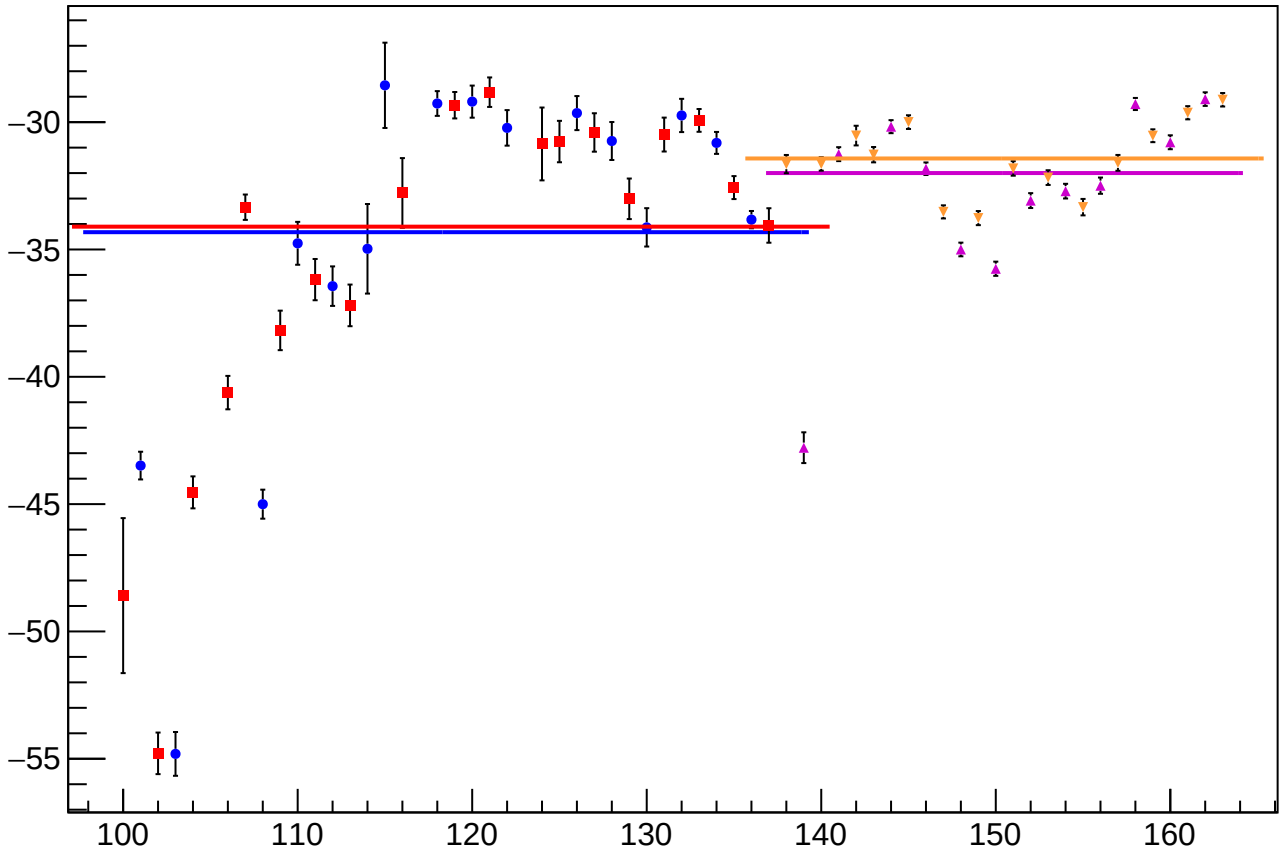
Left: -15.397+/-0.078 χ^2/NDF: 725.2/25

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.937+/-0.090 χ^2/NDF:844.6/27

Out: -15.561+/-0.088 χ^2/NDF:753.5/32

All: -15.258+/-0.063 χ^2/NDF: 1622.6/60



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.426+/-0.077 χ^2/NDF:353.0/13

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.998+/-0.081 χ^2/NDF:972.8/11

Left: -31.697+/-0.056 χ^2/NDF: 1352.3/25

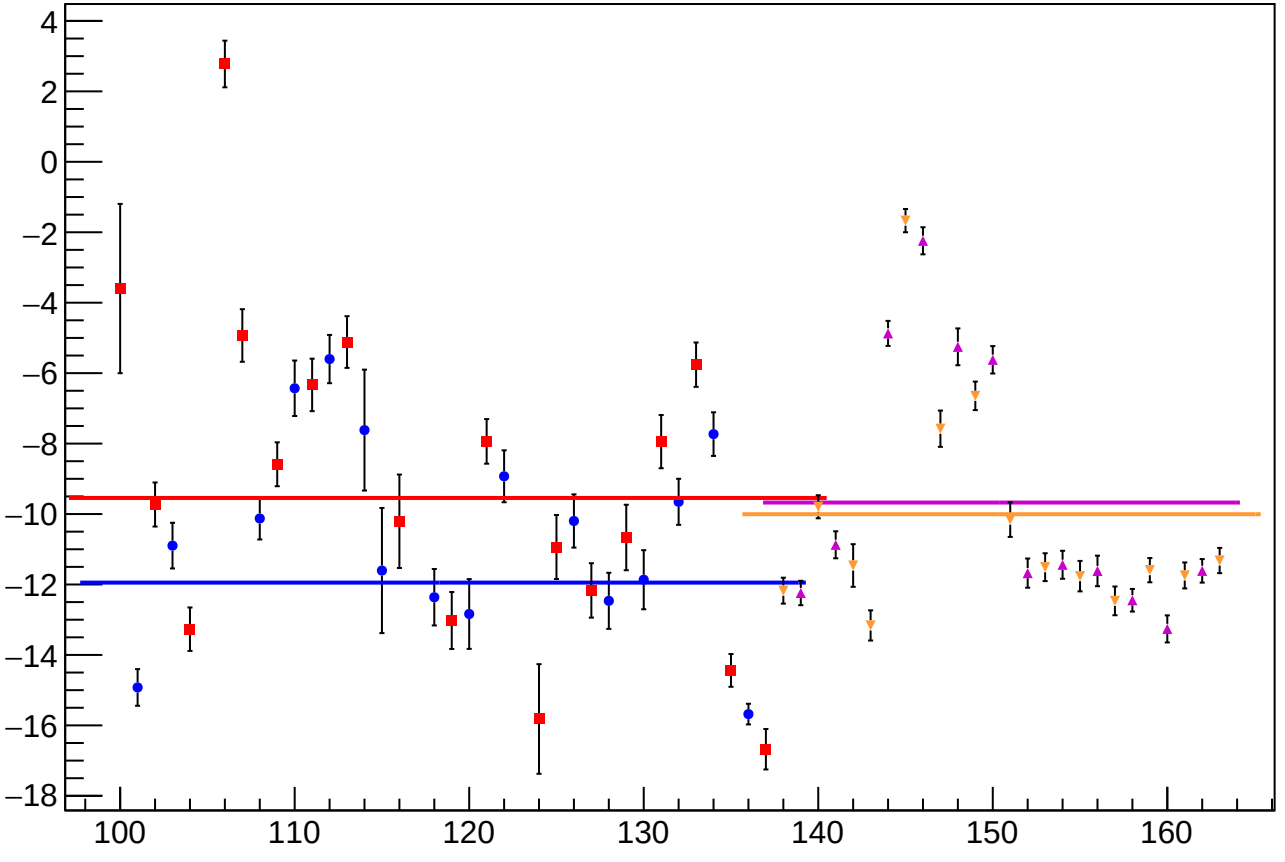
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.504+/-0.071 χ^2/NDF:2773.0/27

Out: -31.956+/-0.069 χ^2/NDF:2029.9/32

All: -32.218+/-0.049 χ^2/NDF: 4833.5/60

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -10.005+/-0.106 χ^2/NDF:948.8/13

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -9.674+/-0.110 χ^2/NDF:1059.4/11

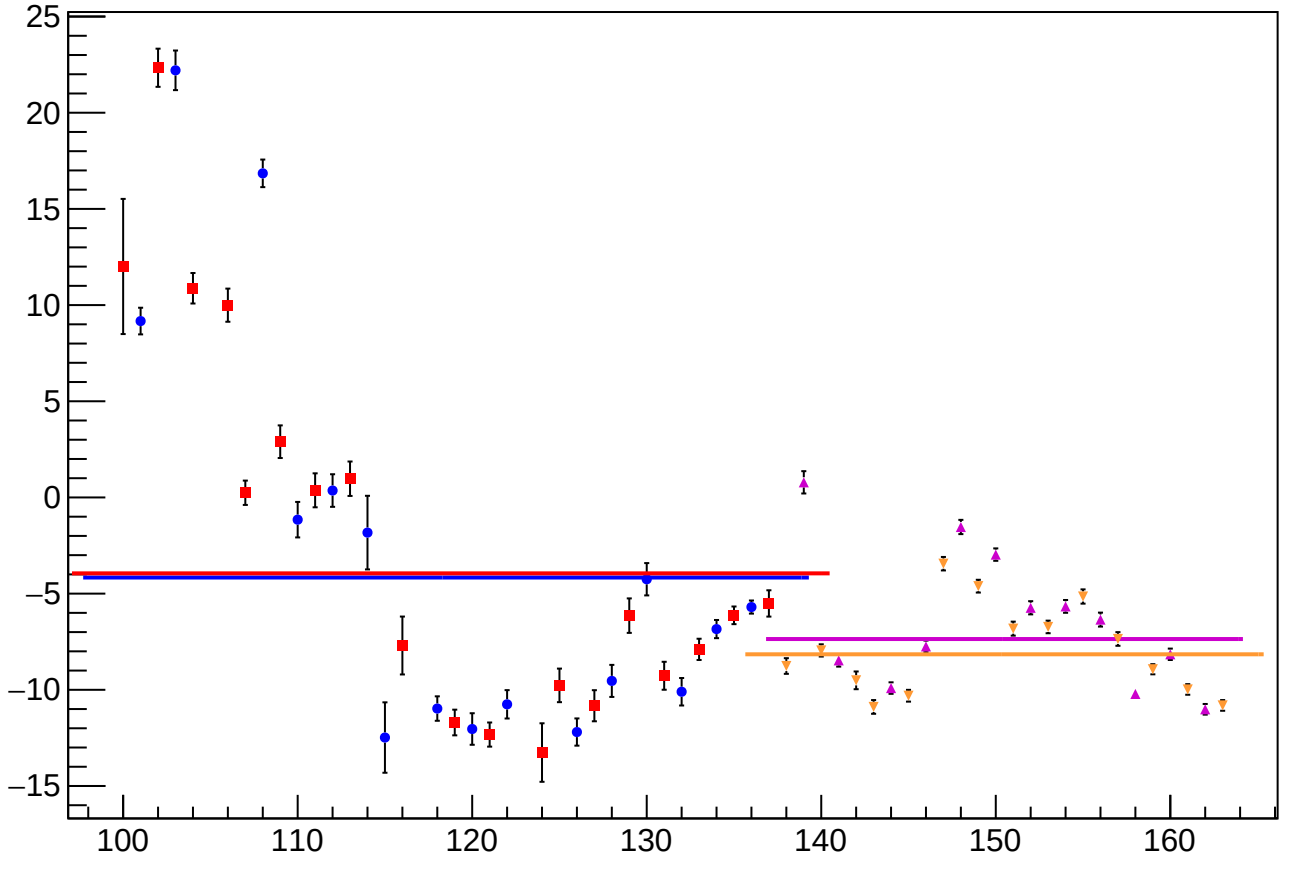
Left: -9.846+/-0.076 χ^2/NDF: 2012.9/25

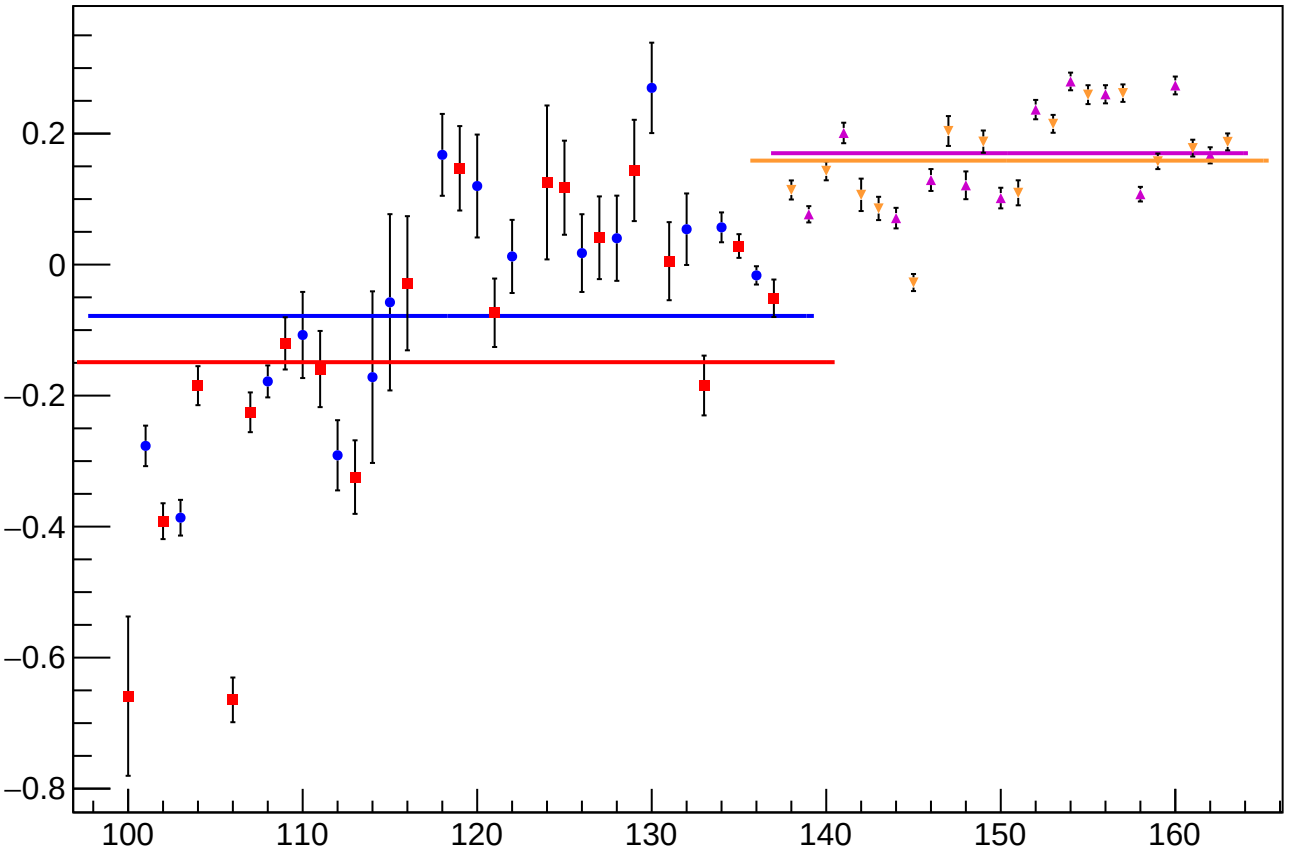
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -10.400+/-0.091 χ^2/NDF:1626.5/27

Out: -9.871+/-0.089 χ^2/NDF:1801.4/32

All: -10.131+/-0.063 χ^2/NDF: 3445.3/60


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
Right In: -4.163+/-0.172 χ²/NDF: 2525.0/15
Left Out: -8.154+/-0.088 χ²/NDF:660.1/13
Right Out: -3.947+/-0.176 χ²/NDF: 2110.2/18
Left In: -7.360+/-0.092 χ²/NDF:1082.5/11
Left: -7.776+/-0.064 χ²/NDF: 1781.2/25
Right: -4.057+/-0.123 χ²/NDF: 4636.0/34
In: -6.643+/-0.081 χ²/NDF:3875.8/27
Out: -7.311+/-0.079 χ²/NDF:3227.0/32
All: -6.988+/-0.057 χ²/NDF: 7137.5/60



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.159+/-0.004 χ^2/NDF:381.7/13

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.170+/-0.004 χ^2/NDF:348.2/11

Left: 0.164+/-0.003 χ^2/NDF: 733.8/25

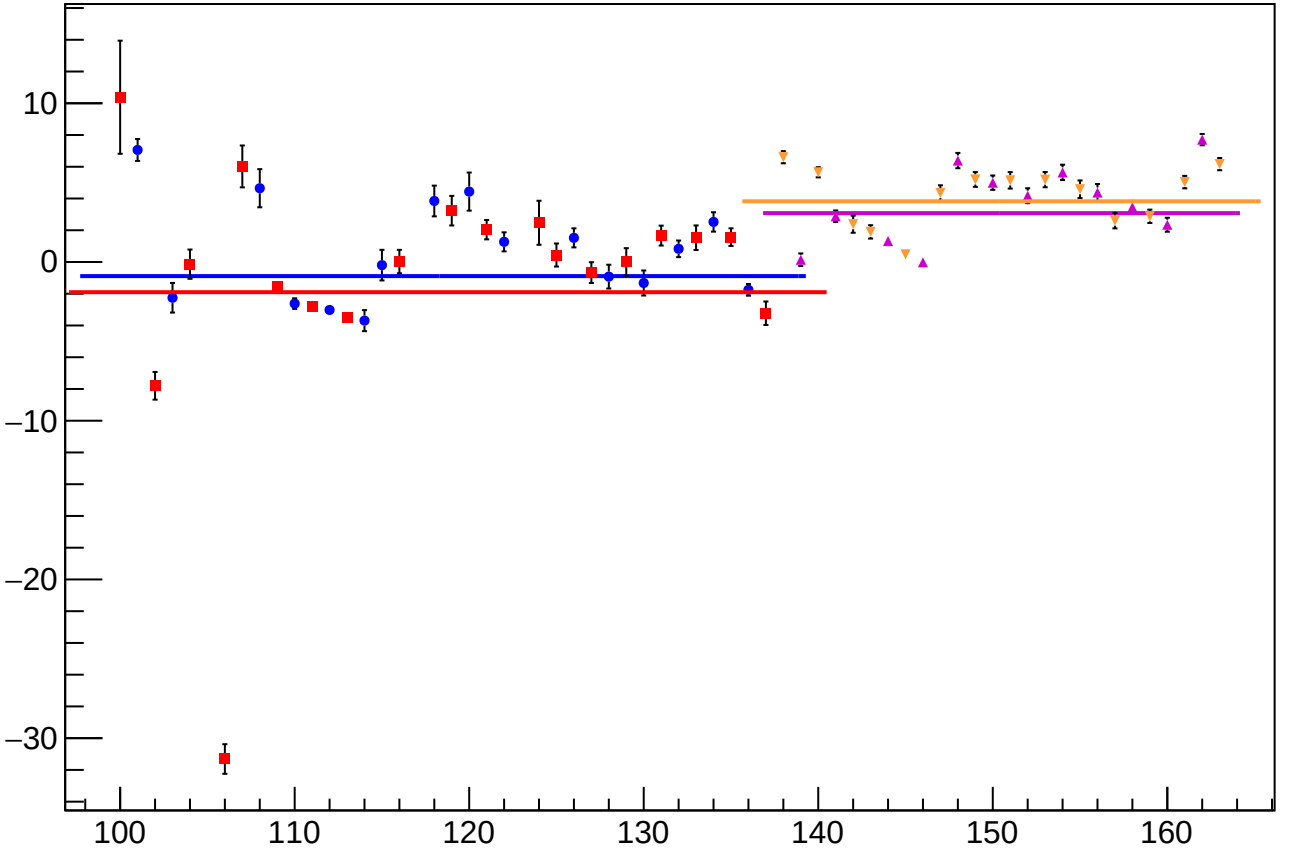
Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.124+/-0.004 χ^2/NDF:1351.5/27

Out: 0.109+/-0.004 χ^2/NDF:1871.1/32

All: 0.116+/-0.003 χ^2/NDF: 3230.8/60

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.823+/-0.108 χ^2/NDF:383.5/13

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.079+/-0.112 χ^2/NDF:479.7/11

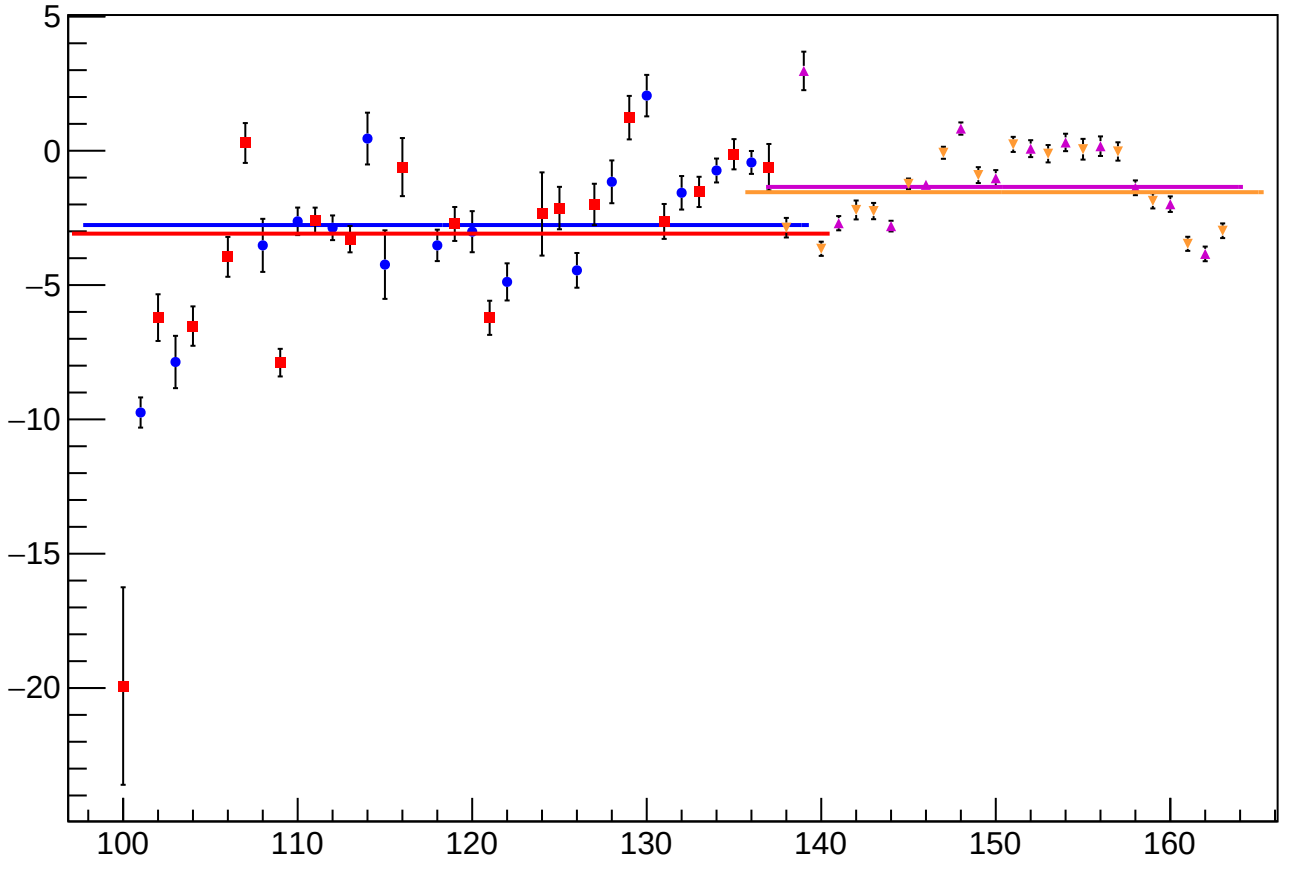
Left: 3.465+/-0.078 χ^2/NDF: 885.9/25

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.478+/-0.087 χ^2/NDF:1363.4/27

Out: 1.445+/-0.083 χ^2/NDF:2878.7/32

All: 1.461+/-0.060 χ^2/NDF: 4242.2/60



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.543+/-0.076 χ^2/NDF:314.2/13

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.347+/-0.077 χ^2/NDF:360.2/11

Left: -1.446+/-0.054 χ^2/NDF: 677.7/25

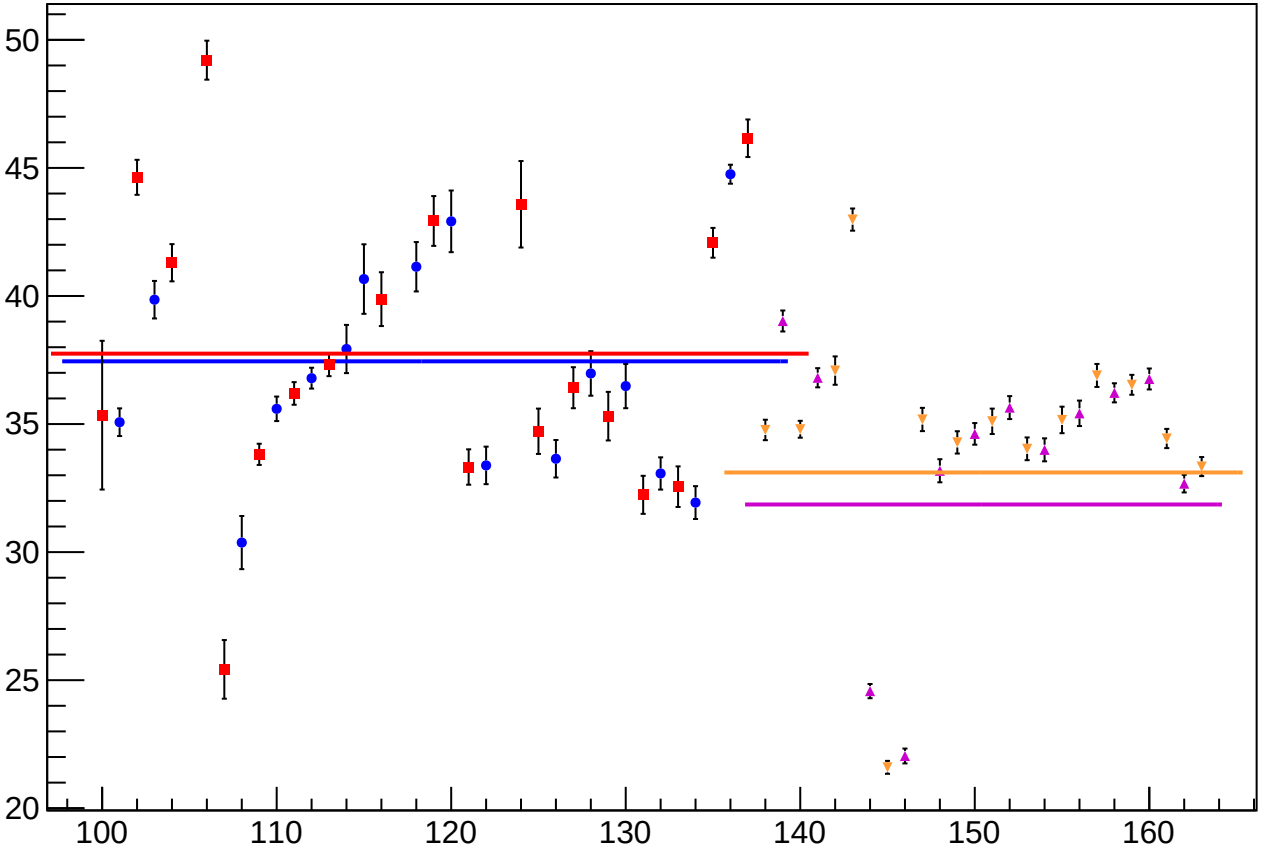
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.623+/-0.069 χ^2/NDF:736.7/27

Out: -1.832+/-0.068 χ^2/NDF:664.6/32

All: -1.729+/-0.048 χ^2/NDF: 1405.9/60

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 33.109+/-0.106 χ^2/NDF:2920.3/13

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 31.860+/-0.109 χ^2/NDF:2795.6/11

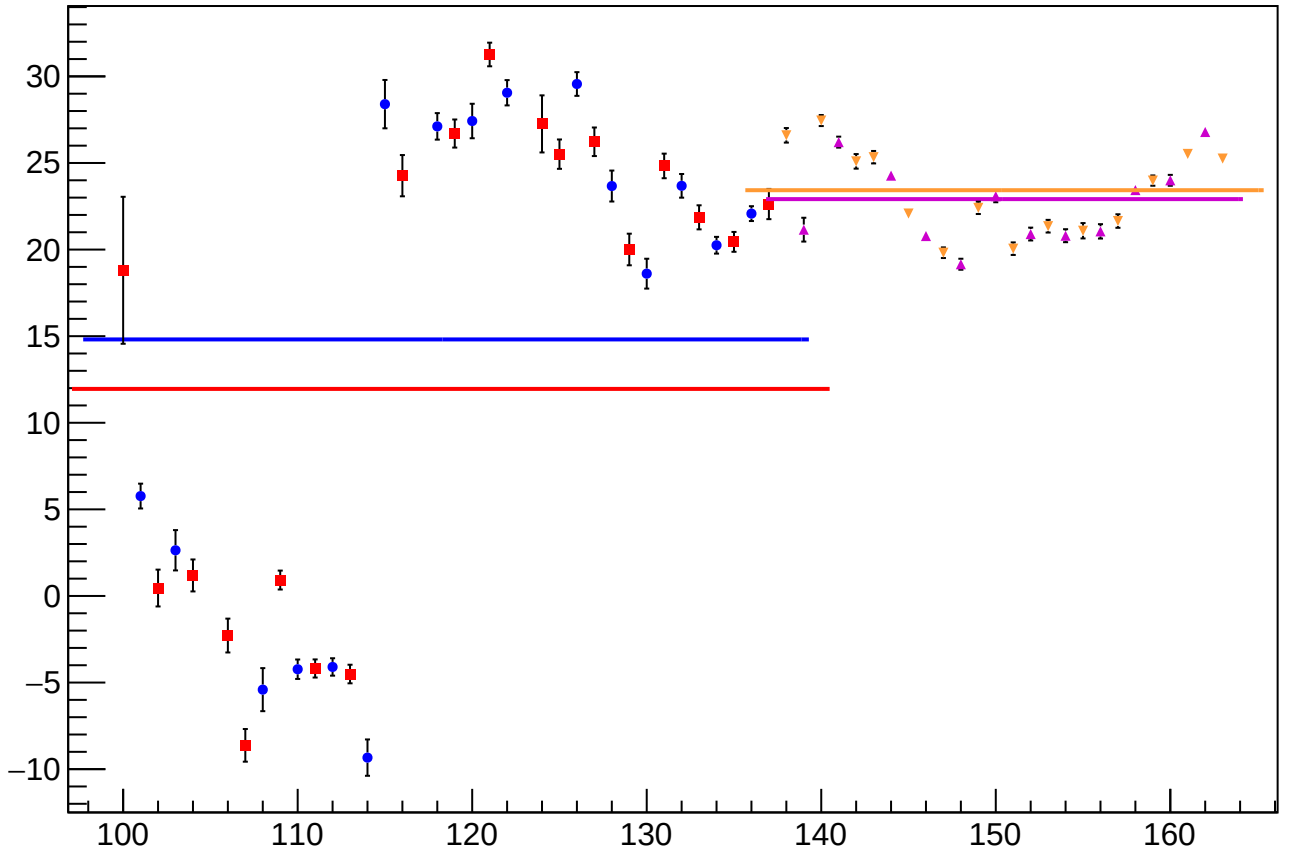
Left: 32.501+/-0.076 χ^2/NDF: 5783.3/25

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.622+/-0.090 χ^2/NDF:4330.5/27

Out: 34.536+/-0.088 χ^2/NDF:4470.5/32

All: 34.089+/-0.063 χ^2/NDF: 8853.4/60



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.428+/-0.088 χ^2/NDF:707.5/13

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.913+/-0.090 χ^2/NDF:664.1/11

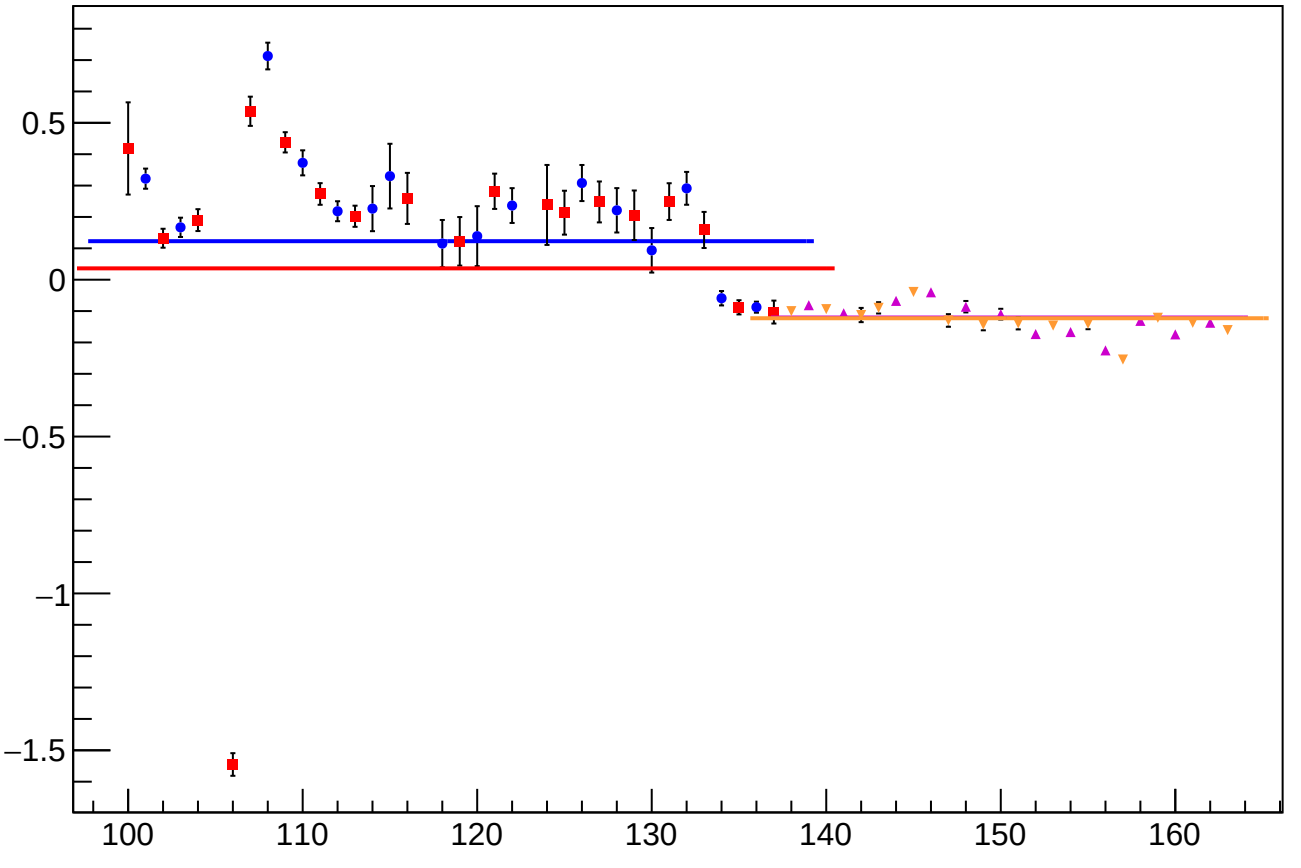
Left: 23.177+/-0.063 χ^2/NDF: 1388.3/25

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.202+/-0.080 χ^2/NDF:8062.6/27

Out: 21.151+/-0.079 χ^2/NDF:10187.5/32

All: 21.176+/-0.056 χ^2/NDF: 18250.3/60



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.123+/-0.004 χ^2/NDF:174.5/13

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.120+/-0.004 χ^2/NDF:151.5/11

Left: -0.122+/-0.003 χ^2/NDF: 326.2/25

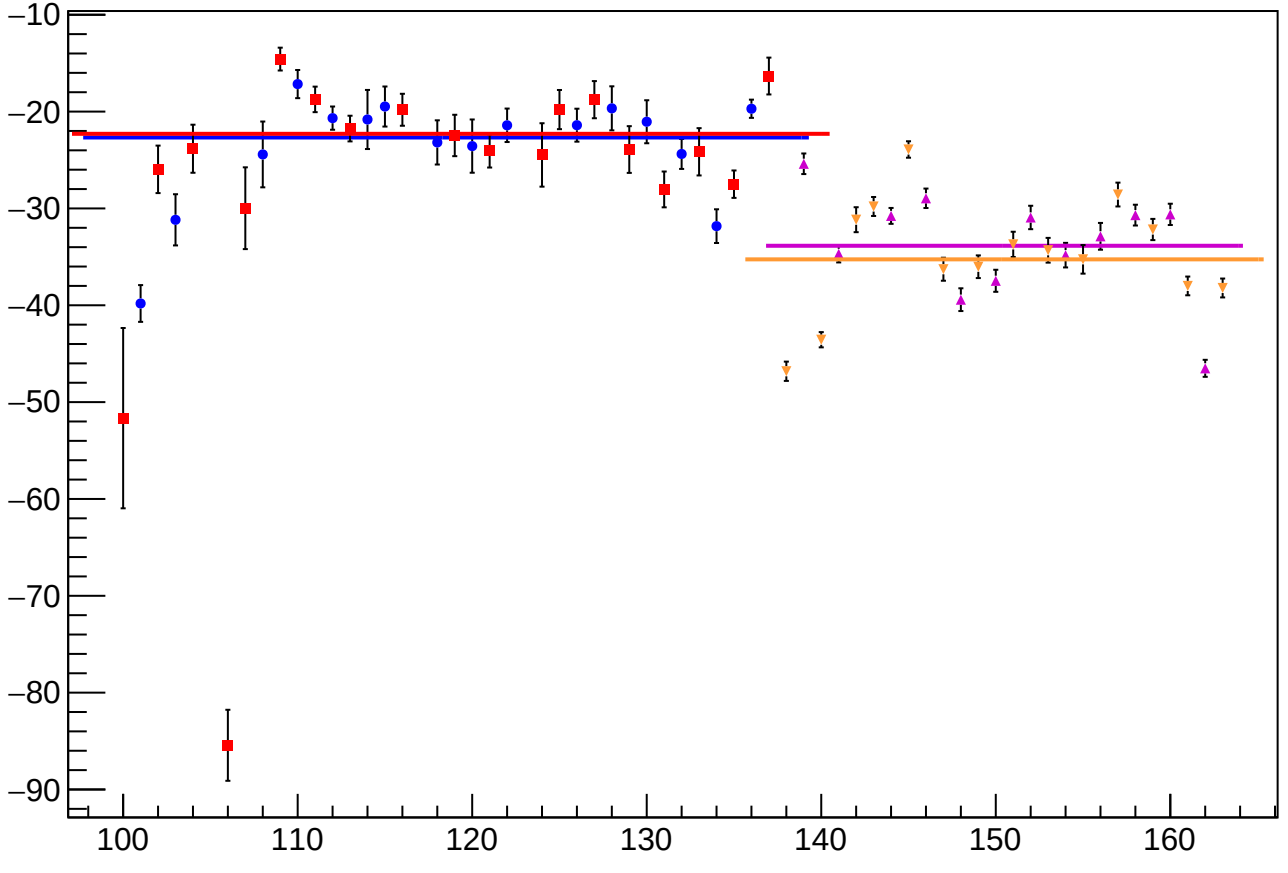
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.081+/-0.004 χ^2/NDF:1230.0/27

Out: -0.100+/-0.004 χ^2/NDF:2814.9/32

All: -0.090+/-0.003 χ^2/NDF: 4057.4/60

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.259+/-0.284 χ^2/NDF:523.3/13

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -33.855+/-0.302 χ^2/NDF:366.7/11

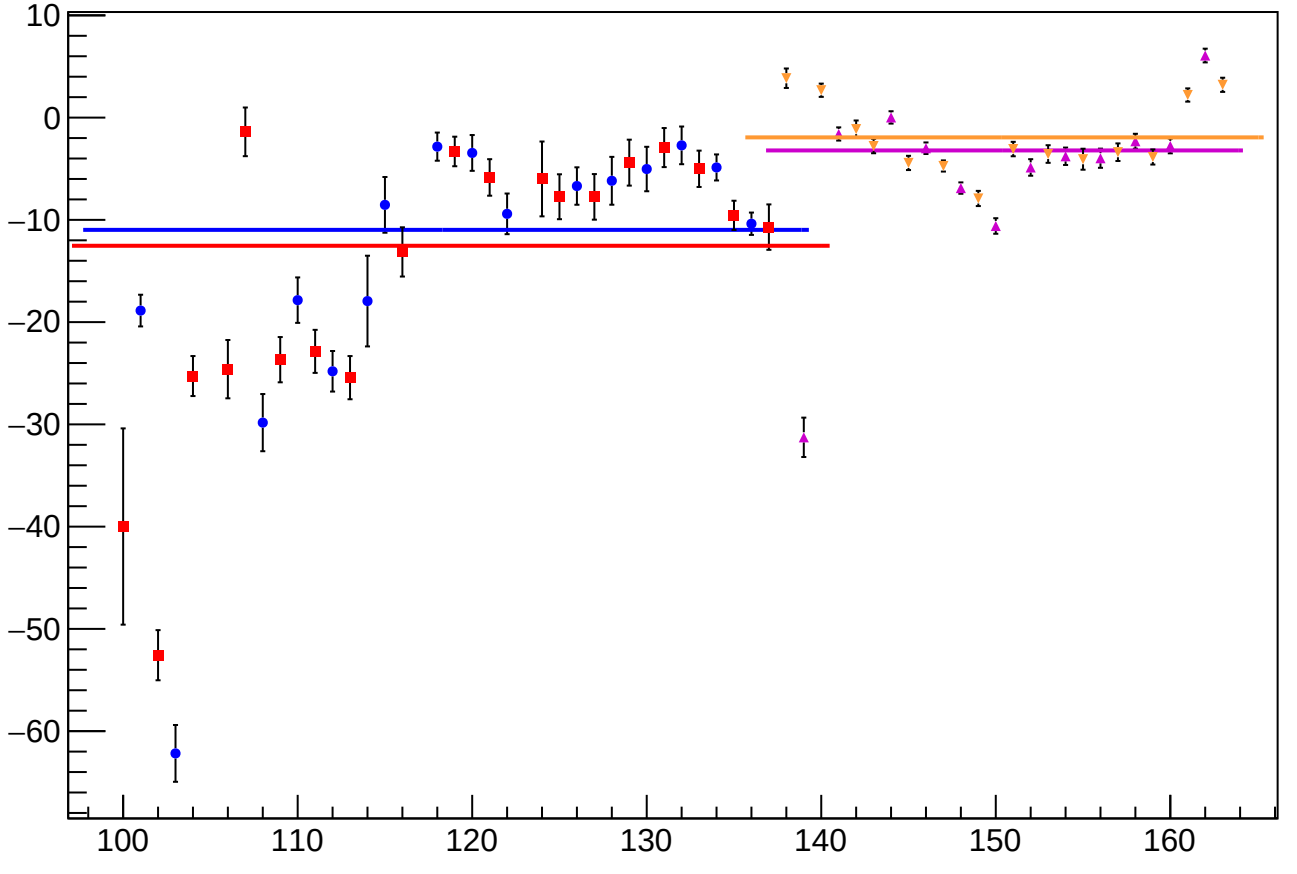
Left: -34.600+/-0.207 χ^2/NDF: 901.5/25

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -30.211+/-0.248 χ^2/NDF:967.4/27

Out: -31.379+/-0.238 χ^2/NDF:1550.7/32

All: -30.819+/-0.172 χ^2/NDF: 2529.7/60



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.934+/-0.196 χ^2/NDF:309.5/13

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -3.210+/-0.206 χ^2/NDF:583.7/11

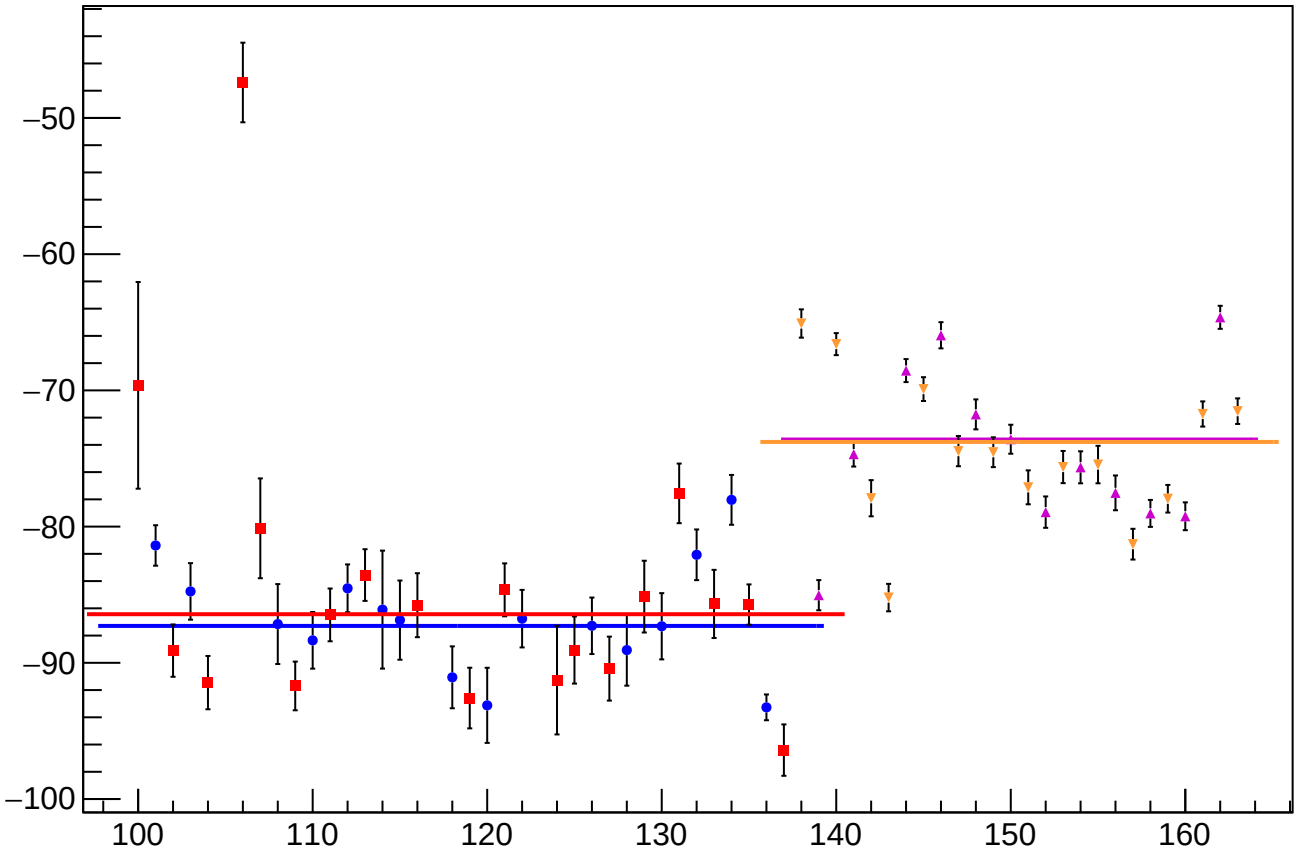
Left: -2.540+/-0.142 χ^2/NDF: 913.4/25

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -4.539+/-0.188 χ^2/NDF:1414.4/27

Out: -3.440+/-0.181 χ^2/NDF:1298.2/32

All: -3.971+/-0.130 χ^2/NDF: 2730.3/60



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.784+/-0.278 χ^2/NDF:390.4/13

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.607+/-0.292 χ^2/NDF:416.9/11

Left: -73.700+/-0.202 χ^2/NDF: 807.5/25

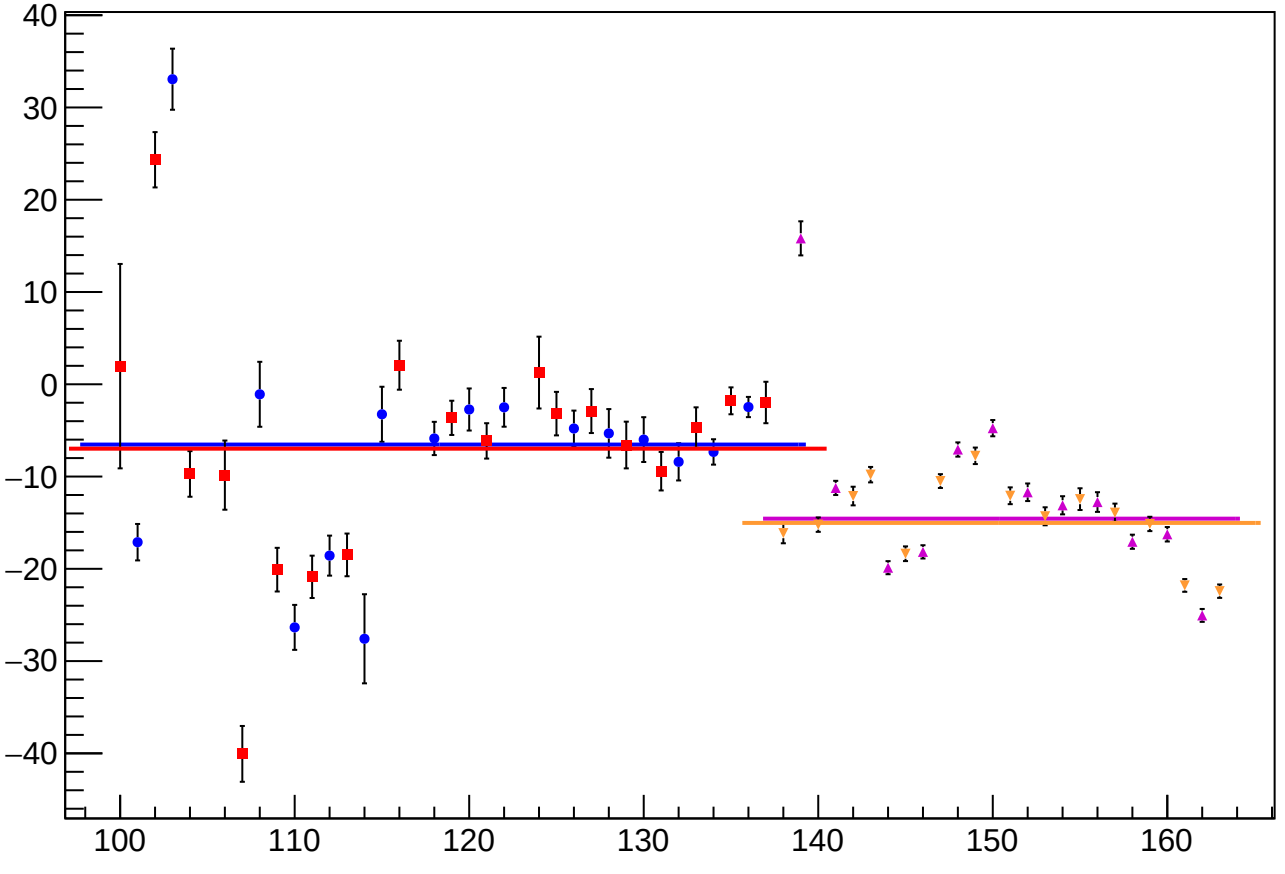
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -77.306+/-0.250 χ^2/NDF:1109.7/27

Out: -76.722+/-0.244 χ^2/NDF:1134.9/32

All: -77.007+/-0.175 χ^2/NDF: 2247.4/60

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: -15.026+/-0.229 χ^2/NDF:384.8/13

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -14.565+/-0.241 χ^2/NDF:842.7/11

Left: -14.807+/-0.166 χ^2/NDF: 1229.4/25

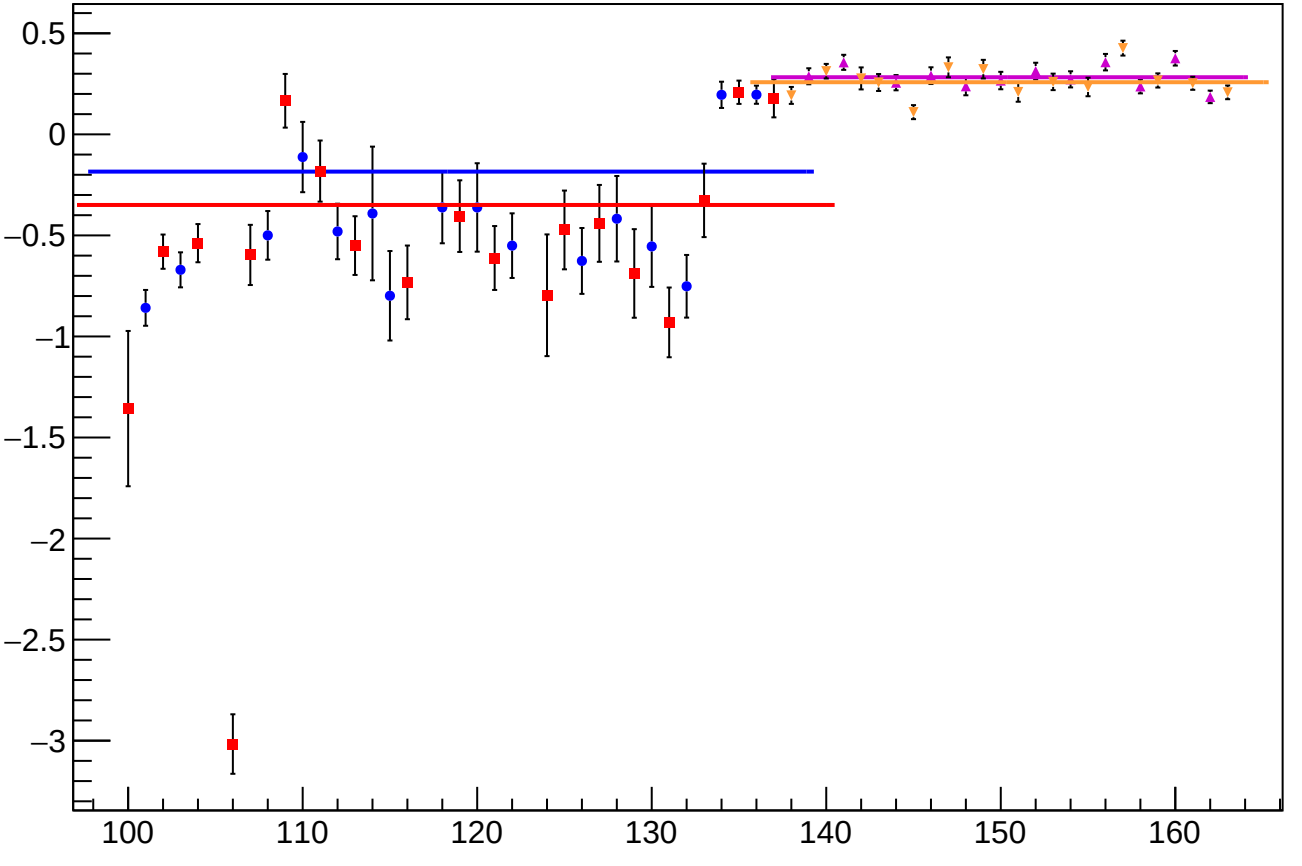
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -13.091+/-0.218 χ^2/NDF:1360.7/27

Out: -13.808+/-0.211 χ^2/NDF:940.4/32

All: -13.461+/-0.151 χ^2/NDF: 2306.7/60

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: 0.258+/-0.011 χ^2/NDF:51.7/13

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.283+/-0.011 χ^2/NDF:27.9/11

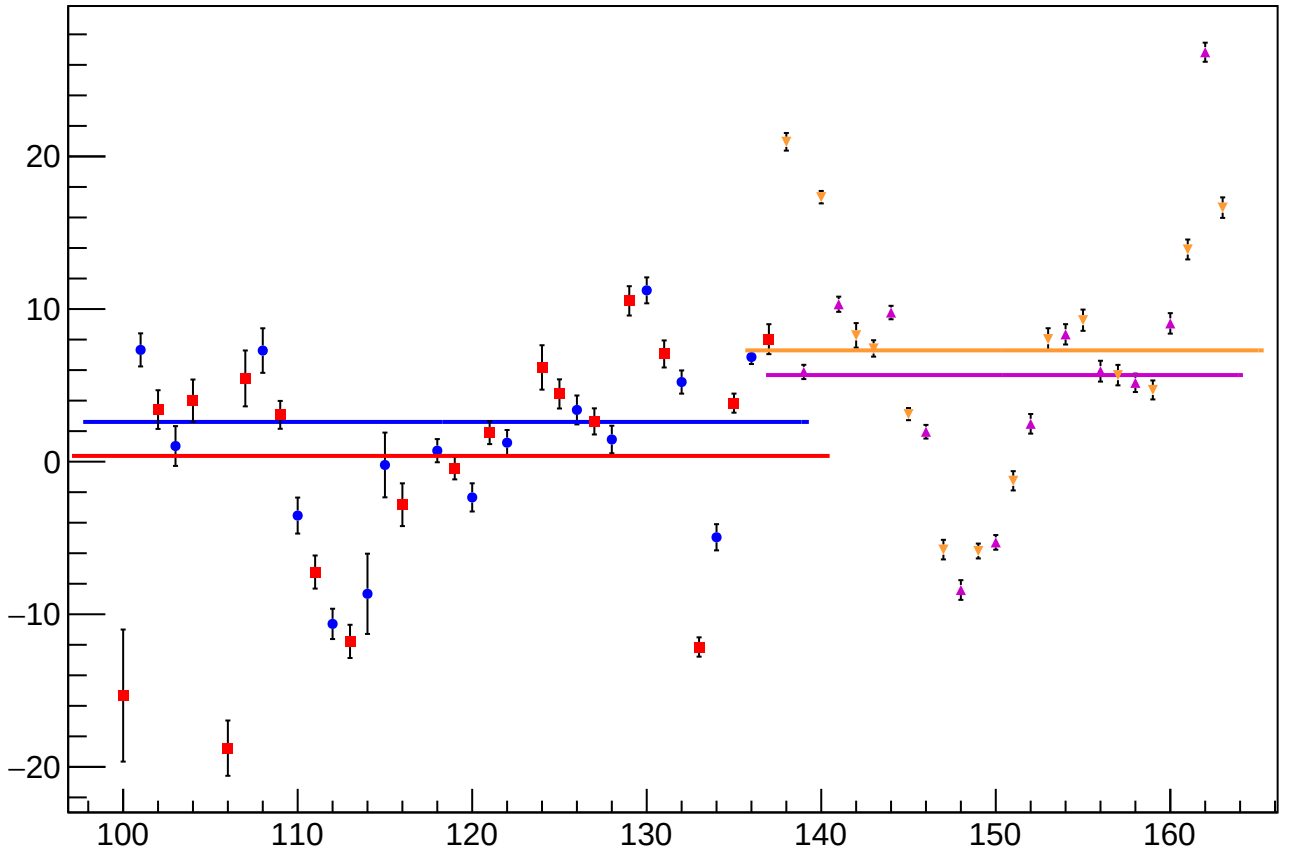
Left: 0.270+/-0.008 χ^2/NDF: 82.1/25

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.214+/-0.010 χ^2/NDF:535.0/27

Out: 0.187+/-0.010 χ^2/NDF:947.4/32

All: 0.201+/-0.007 χ^2/NDF: 1486.0/60



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 7.293+/-0.153 χ^2/NDF:2928.8/13

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 5.675+/-0.159 χ^2/NDF:2448.8/11

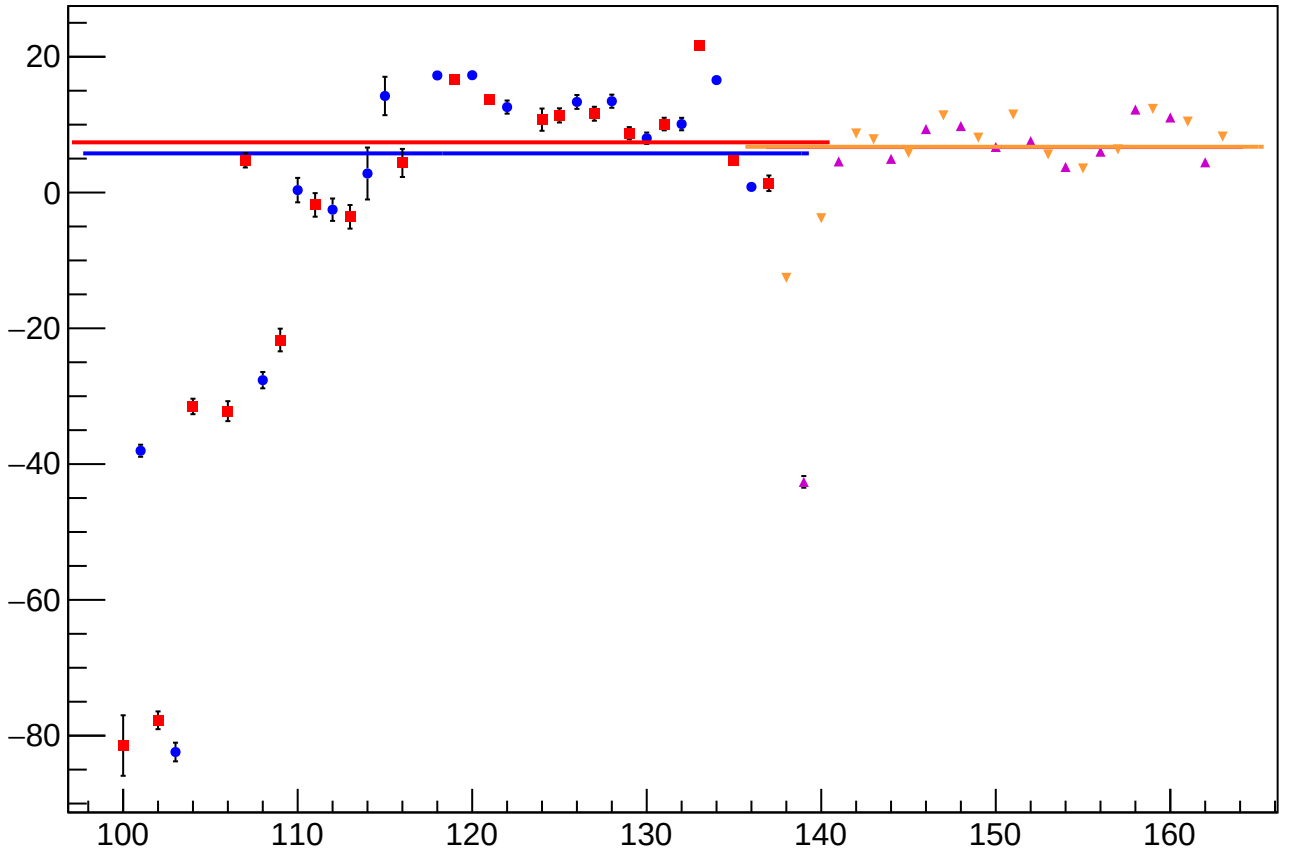
Left: 6.513+/-0.110 χ^2/NDF: 5431.6/25

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 4.651+/-0.129 χ^2/NDF:3147.1/27

Out: 5.073+/-0.126 χ^2/NDF:4617.2/32

All: 4.868+/-0.090 χ^2/NDF: 7769.8/60



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.741+/-0.106 χ^2/NDF:2820.0/13

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.702+/-0.111 χ^2/NDF:3901.3/11

Left: 6.723+/-0.077 χ^2/NDF: 6721.4/25

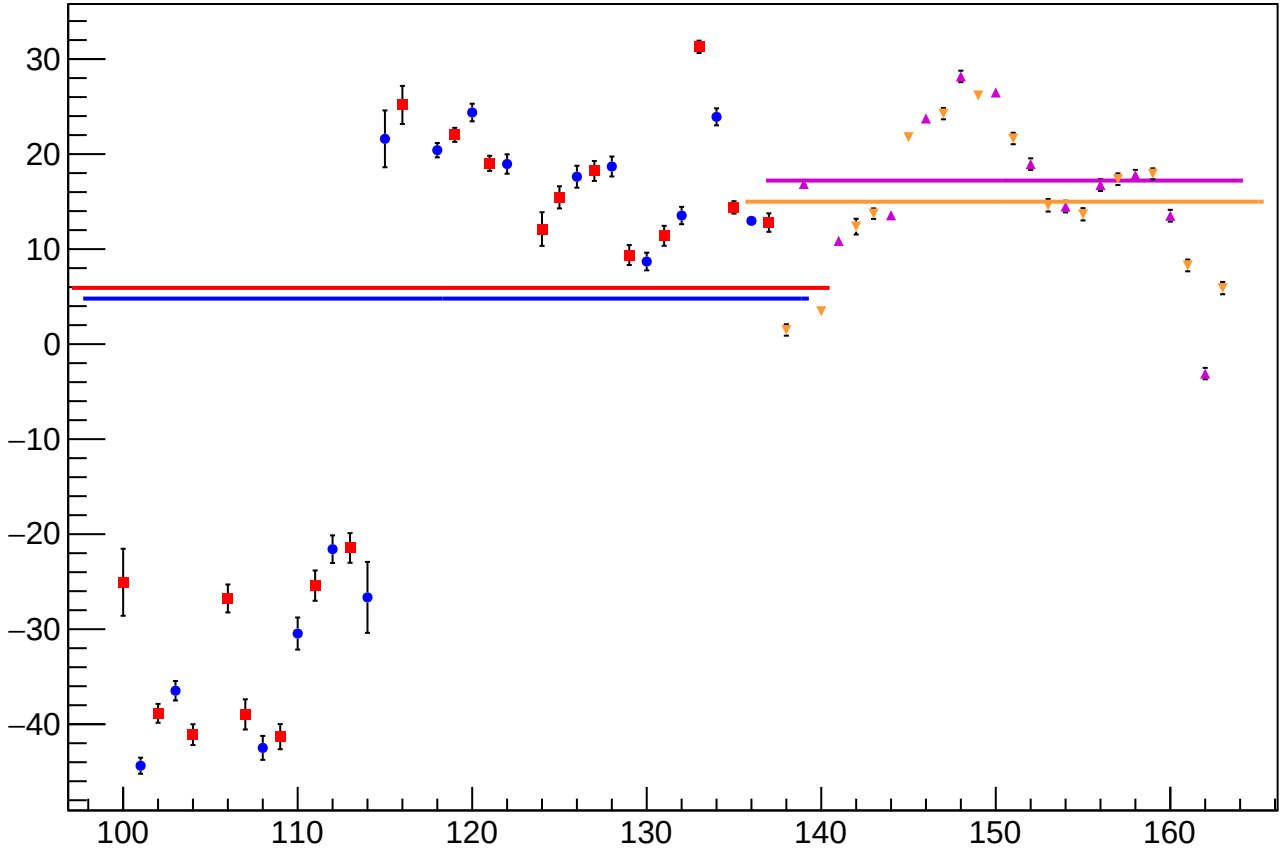
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.499+/-0.098 χ^2/NDF:12850.6/27

Out: 6.876+/-0.095 χ^2/NDF:11218.3/32

All: 6.693+/-0.068 χ^2/NDF: 24076.6/60

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.990+/-0.149 χ^2/NDF:2869.7/13

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 17.216+/-0.154 χ^2/NDF:2407.9/11

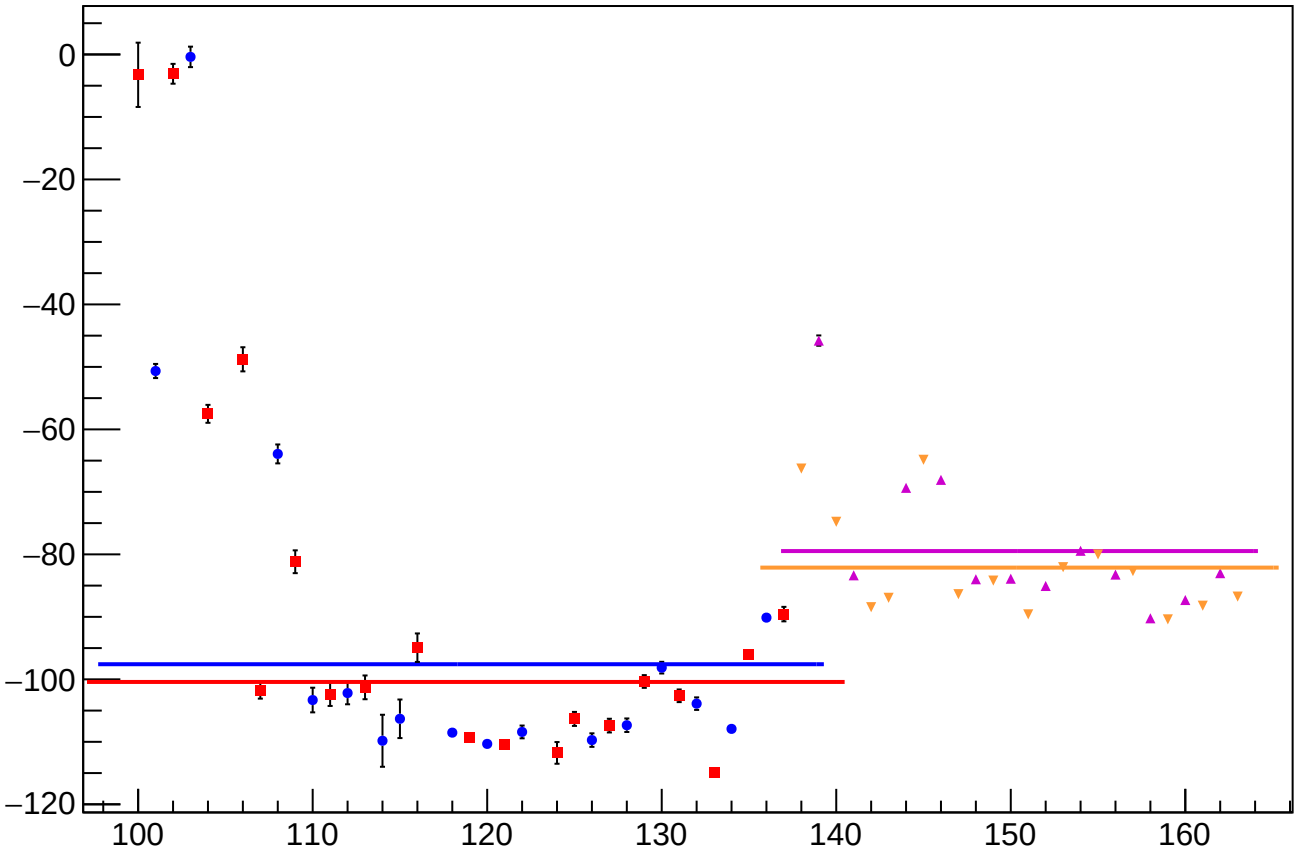
Left: 16.071+/-0.107 χ^2/NDF: 5385.5/25

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.548+/-0.129 χ^2/NDF:13834.0/27

Out: 12.456+/-0.127 χ^2/NDF:13959.0/32

All: 12.992+/-0.090 χ^2/NDF: 27829.4/60



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -82.119+/-0.125 χ^2/NDF:4225.9/13

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -79.473+/-0.129 χ^2/NDF:4928.7/11

Left: -80.844+/-0.090 χ^2/NDF: 9371.4/25

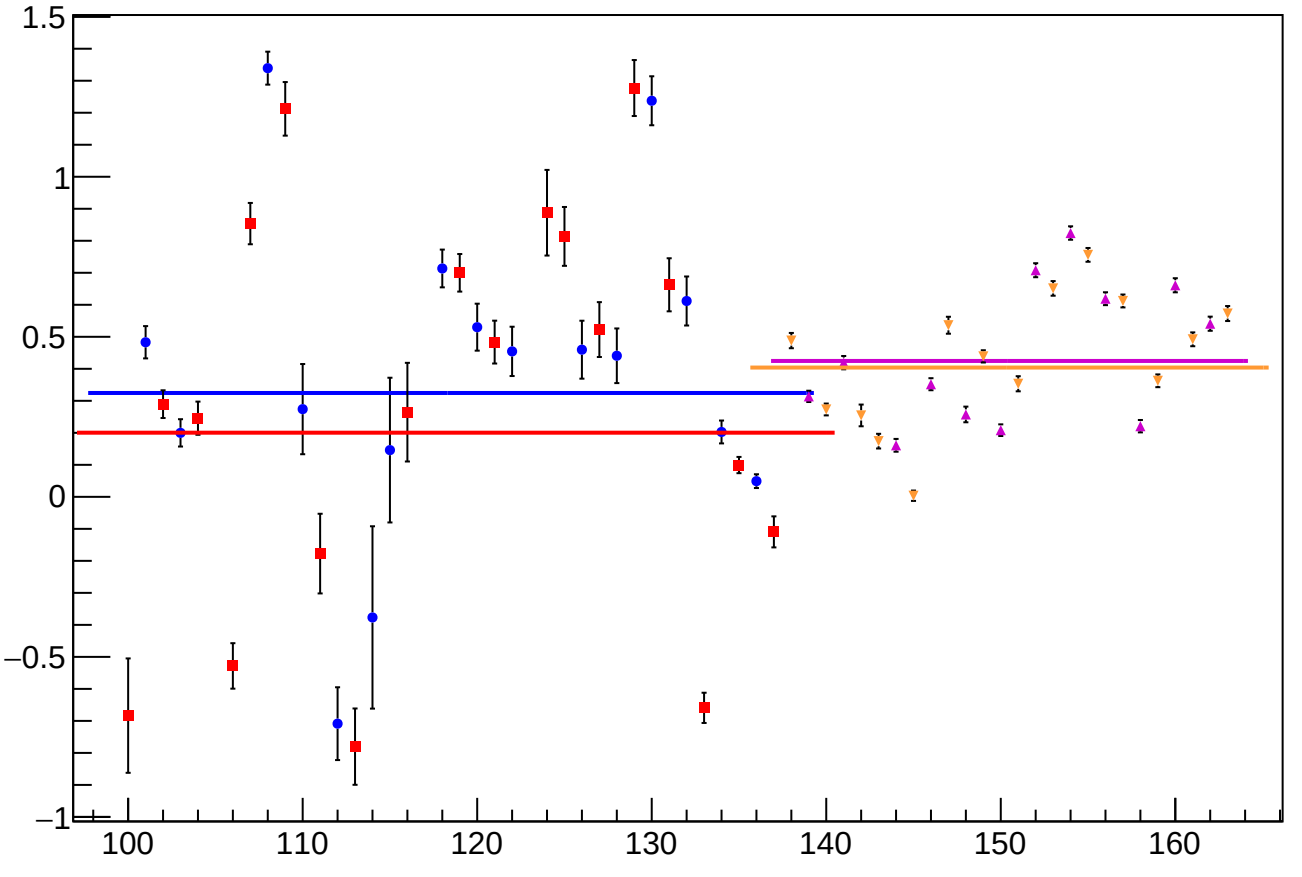
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -83.506+/-0.114 χ^2/NDF:16436.3/27

Out: -85.988+/-0.111 χ^2/NDF:15888.5/32

All: -84.783+/-0.079 χ^2/NDF: 32568.6/60

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.404+/-0.006 χ^2/NDF:1391.5/13

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.425+/-0.006 χ^2/NDF:1294.0/11

Left: 0.414+/-0.004 χ^2/NDF: 2691.8/25

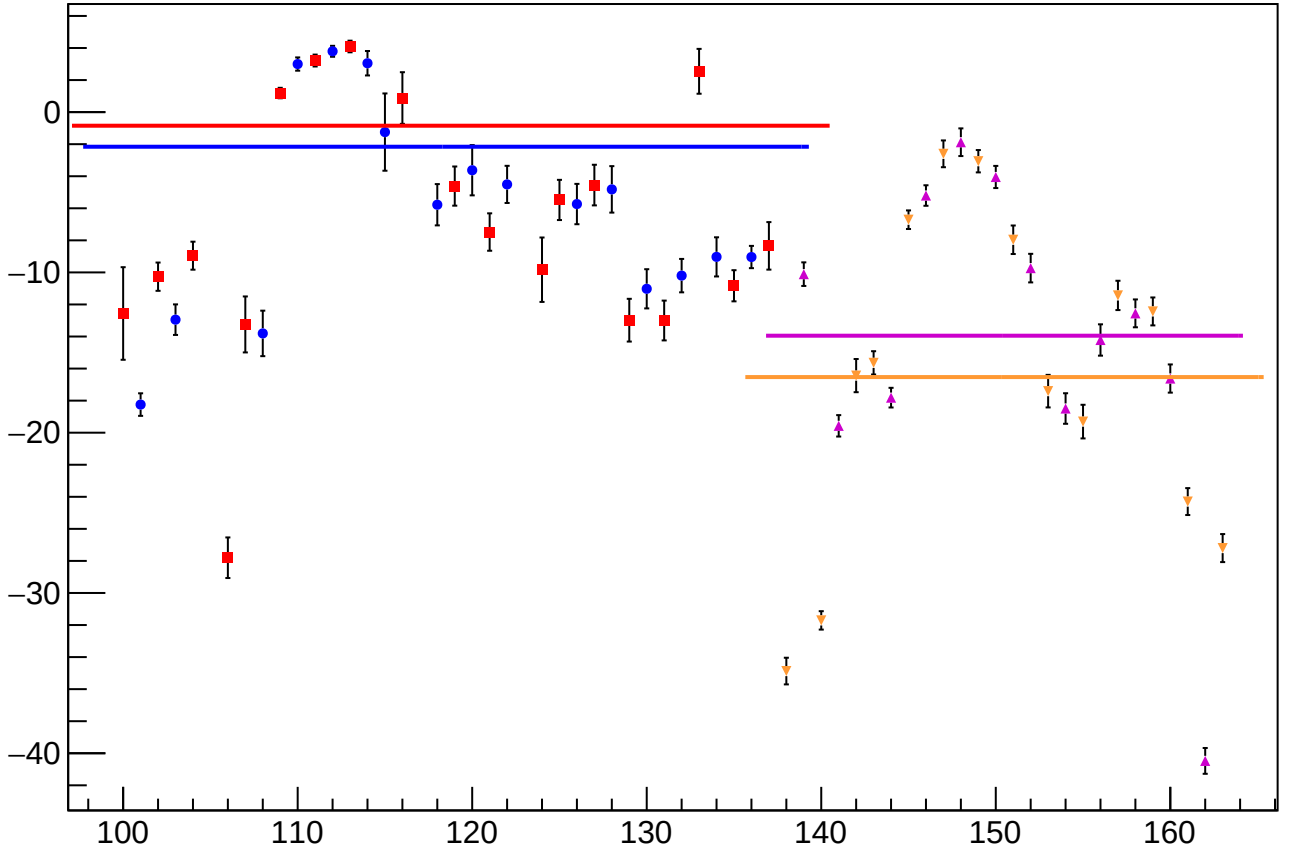
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.408+/-0.005 χ^2/NDF:2228.0/27

Out: 0.374+/-0.005 χ^2/NDF:2782.0/32

All: 0.391+/-0.004 χ^2/NDF: 5030.6/60

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -16.530+/-0.212 χ^2/NDF:2512.1/13

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -13.949+/-0.223 χ^2/NDF:1867.0/11

Left: -15.300+/-0.154 χ^2/NDF: 4449.5/25

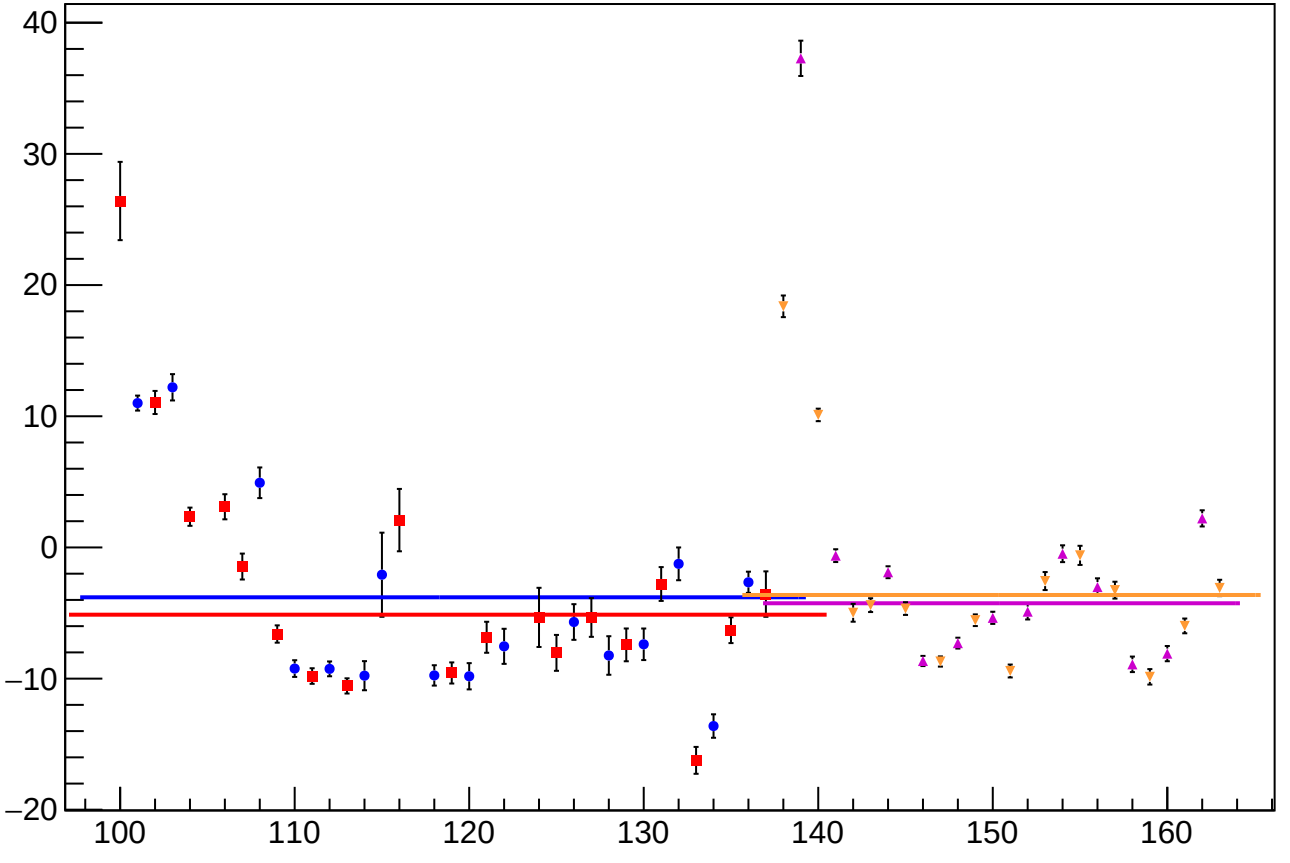
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -7.188+/-0.145 χ^2/NDF:4966.7/27

Out: -6.986+/-0.133 χ^2/NDF:7292.7/32

All: -7.078+/-0.098 χ^2/NDF: 12260.4/60

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: -3.624+/-0.146 χ^2/NDF:2024.6/13

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.255+/-0.153 χ^2/NDF:1477.8/11

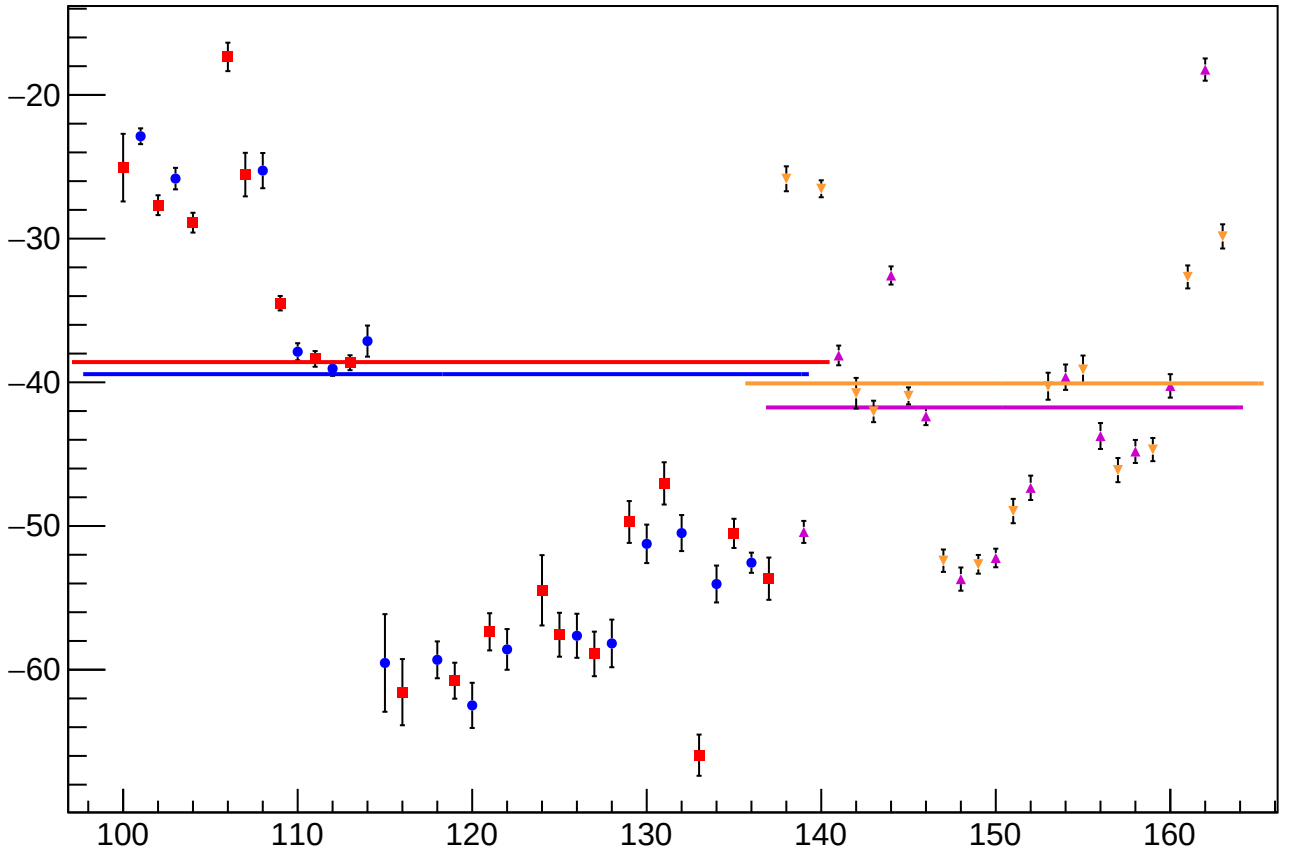
Left: -3.925+/-0.106 χ^2/NDF: 3511.2/25

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.111+/-0.127 χ^2/NDF:2906.0/27

Out: -4.088+/-0.122 χ^2/NDF:3037.7/32

All: -4.099+/-0.088 χ^2/NDF: 5943.8/60



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.076+/-0.208 χ^2/NDF:1857.3/13

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -41.749+/-0.216 χ^2/NDF:1842.5/11

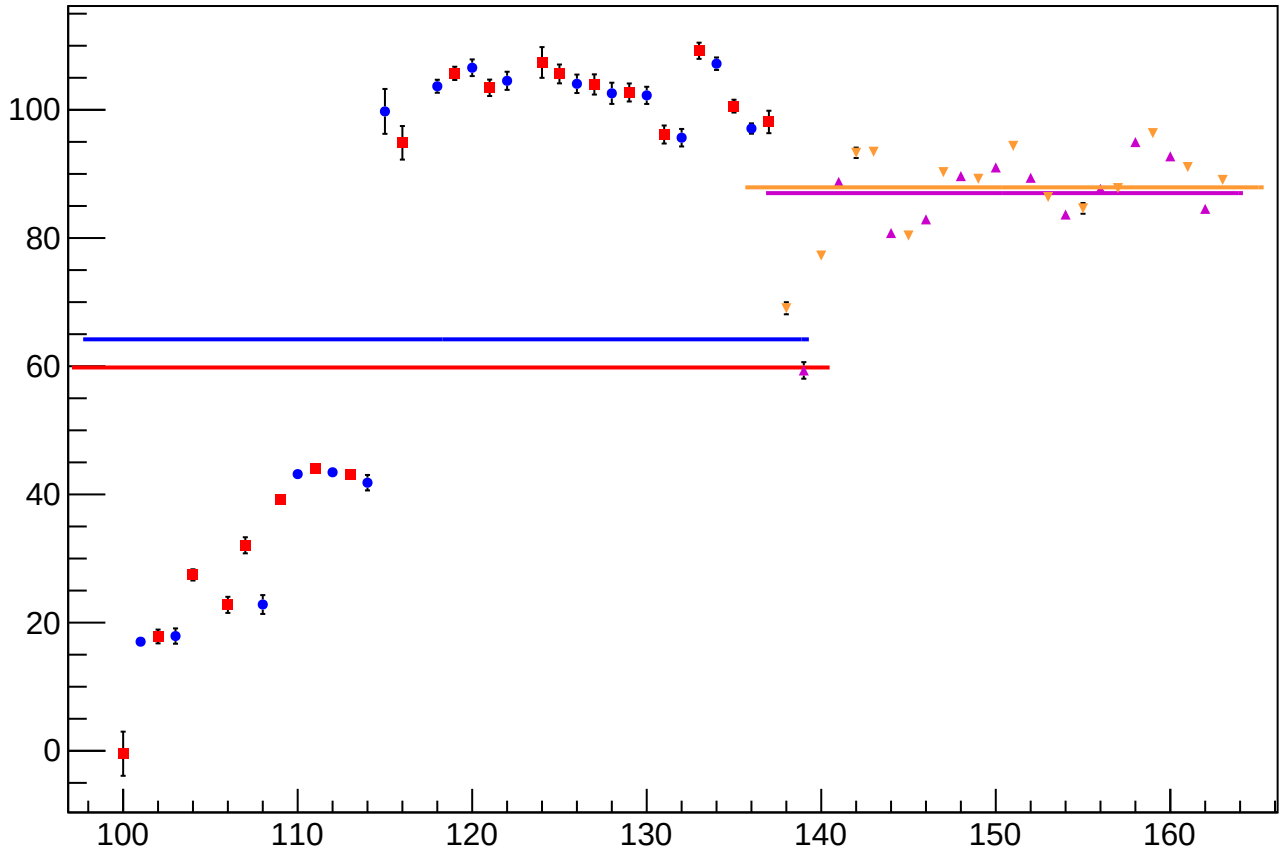
Left: -40.881+/-0.150 χ^2/NDF: 3731.0/25

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -40.642+/-0.156 χ^2/NDF:4855.8/27

Out: -39.352+/-0.149 χ^2/NDF:4654.3/32

All: -39.966+/-0.108 χ^2/NDF: 9546.1/60



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 87.908+/-0.172 χ^2/NDF:1422.4/13

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 87.007+/-0.179 χ^2/NDF:1048.7/11

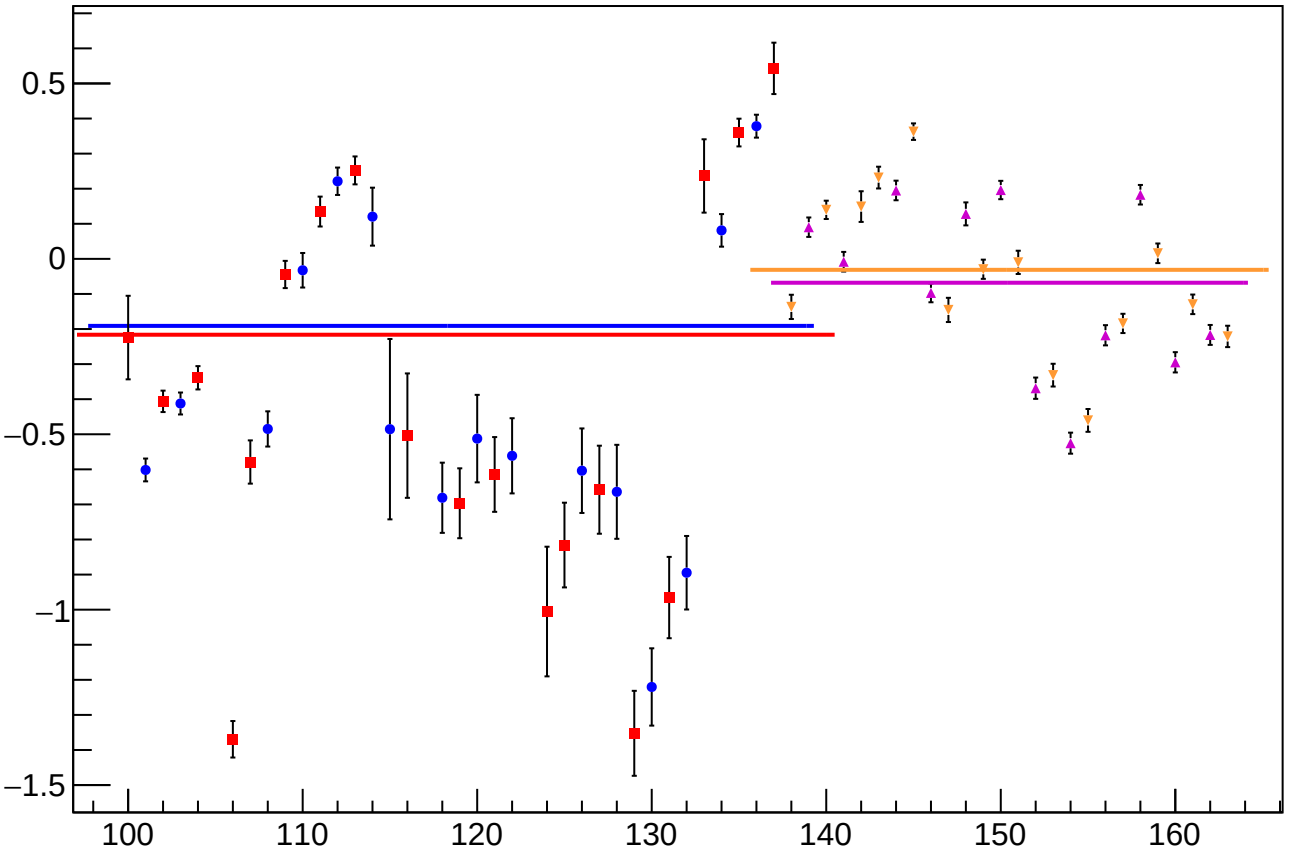
Left: 87.476+/-0.124 χ^2/NDF: 2484.2/25

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.554+/-0.147 χ^2/NDF:24928.9/27

Out: 78.815+/-0.141 χ^2/NDF:27488.3/32

All: 79.170+/-0.102 χ^2/NDF: 52430.3/60



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.031+/-0.008 χ^2/NDF:777.2/13

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.068+/-0.008 χ^2/NDF:792.6/11

Left: -0.049+/-0.006 χ^2/NDF: 1580.1/25

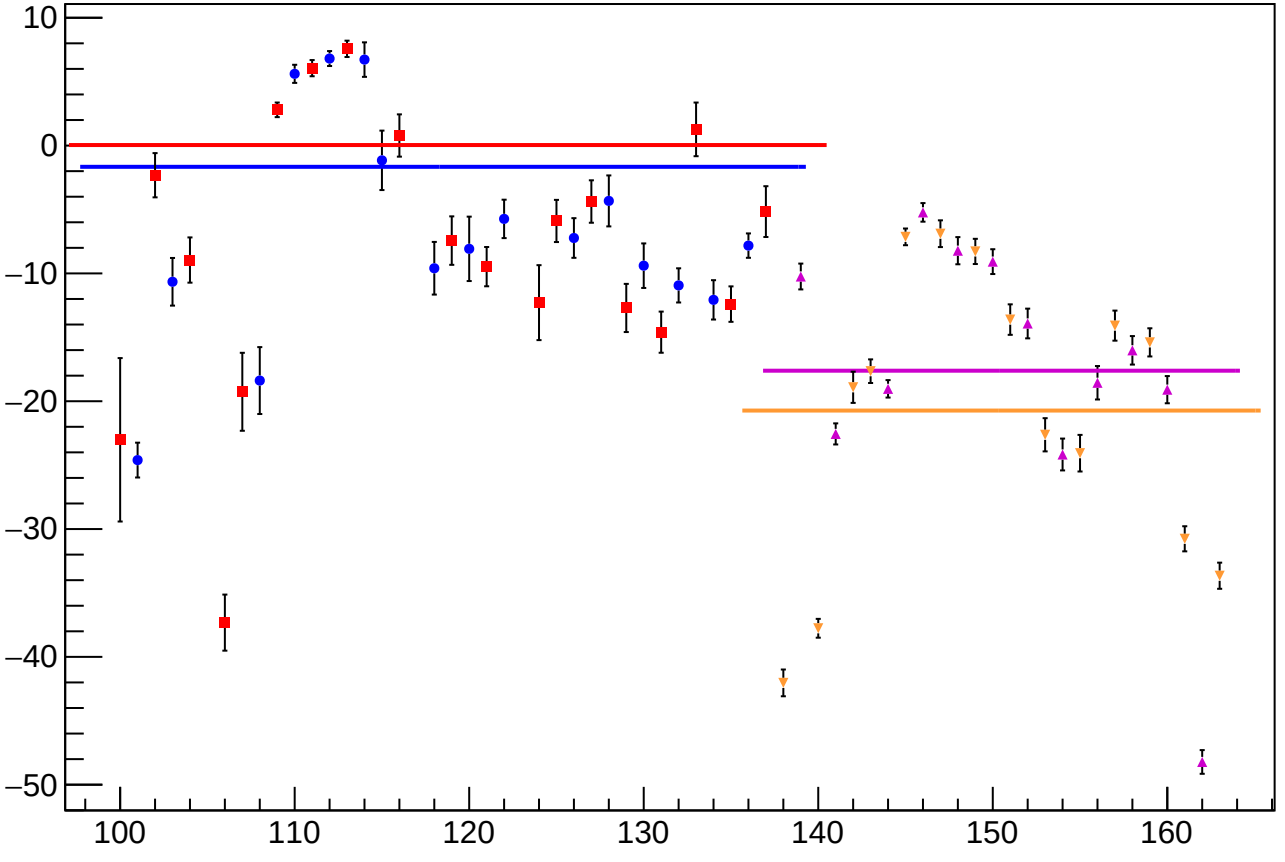
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.102+/-0.007 χ^2/NDF:1771.9/27

Out: -0.082+/-0.007 χ^2/NDF:2293.2/32

All: -0.092+/-0.005 χ^2/NDF: 4068.9/60

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -20.730+/-0.265 χ^2/NDF:2091.8/13

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -17.612+/-0.275 χ^2/NDF:1671.0/11

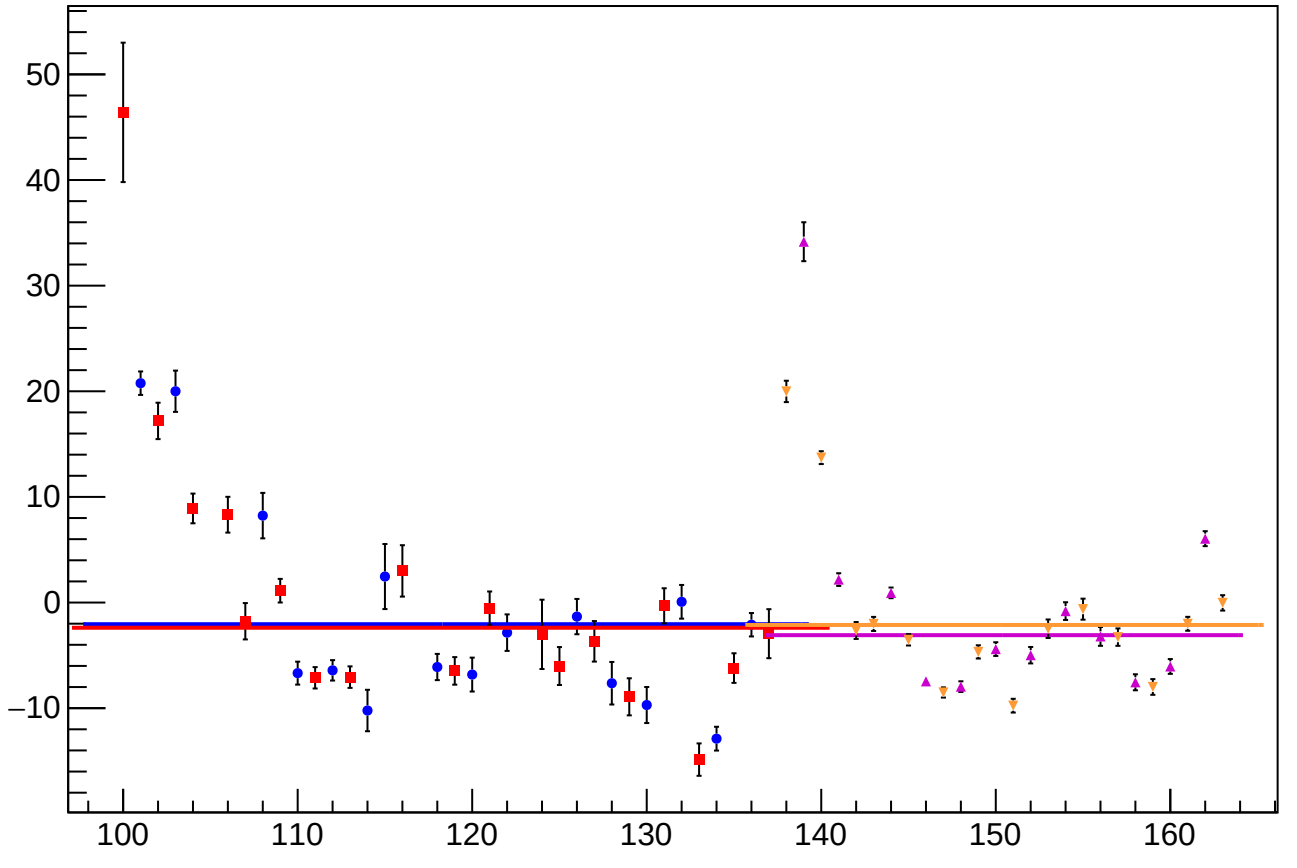
Left: -19.225+/-0.191 χ^2/NDF: 3829.4/25

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -10.546+/-0.205 χ^2/NDF:4064.5/27

Out: -10.973+/-0.193 χ^2/NDF:5902.0/32

All: -10.772+/-0.141 χ^2/NDF: 9968.9/60



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -2.122+/-0.183 χ^2/NDF:1568.4/13

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.088+/-0.186 χ^2/NDF:980.9/11

Left: -2.596+/-0.130 χ^2/NDF: 2563.0/25

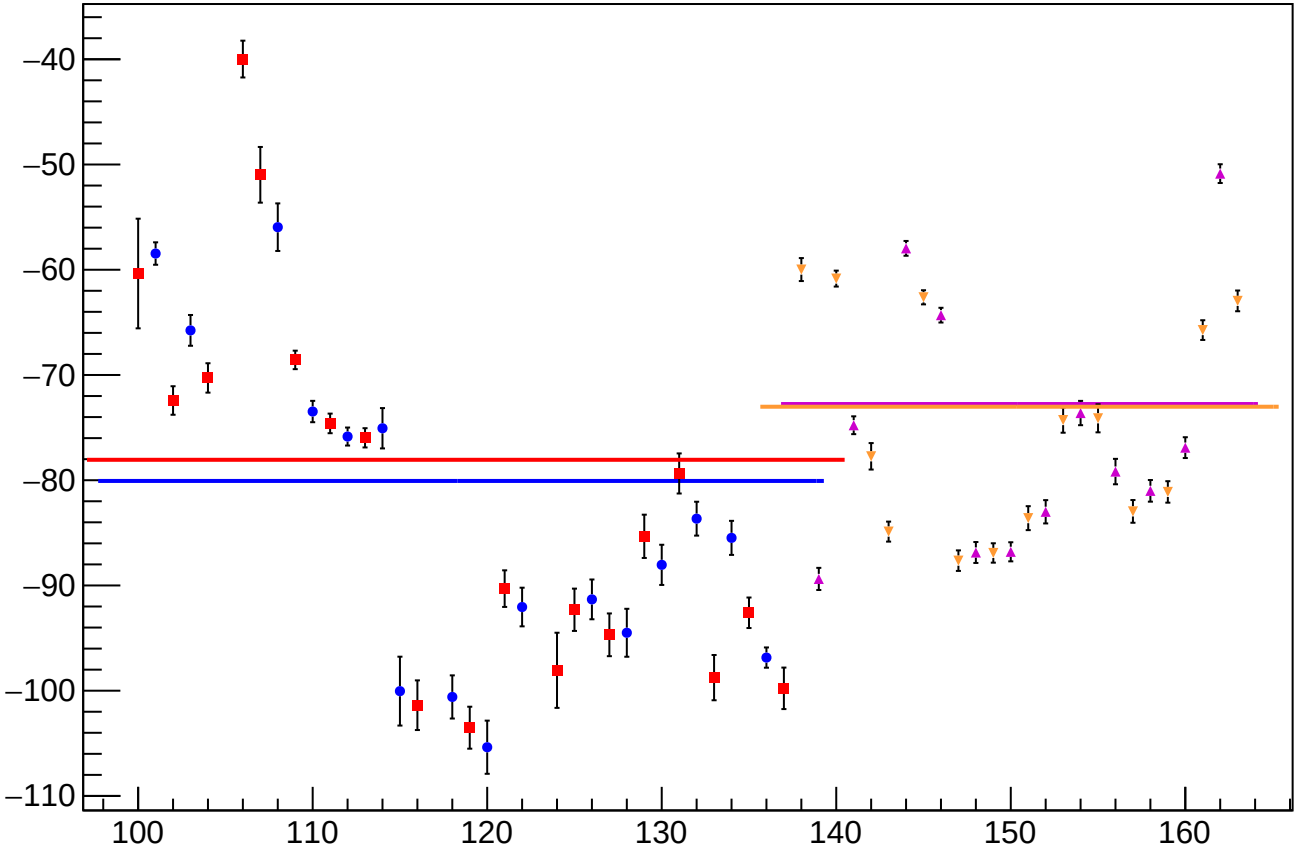
Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -2.865+/-0.165 χ^2/NDF:1759.5/27

Out: -2.178+/-0.163 χ^2/NDF:2019.7/32

All: -2.516+/-0.116 χ^2/NDF: 3788.0/60

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.016+/-0.260 χ^2/NDF:1663.5/13

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -72.761+/-0.267 χ^2/NDF:2082.5/11

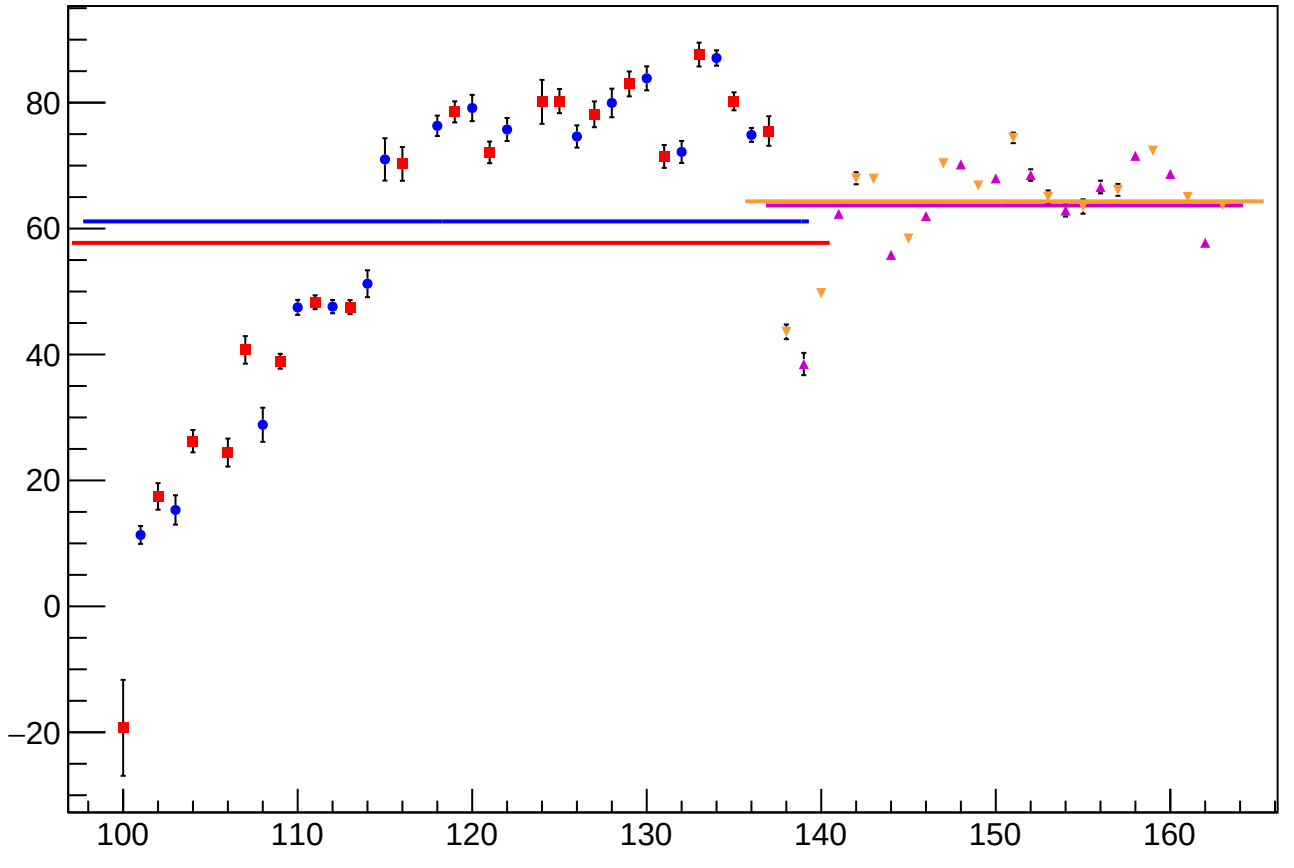
Left: -72.892+/-0.186 χ^2/NDF: 3746.4/25

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -75.309+/-0.215 χ^2/NDF:3731.6/27

Out: -74.787+/-0.210 χ^2/NDF:3356.7/32

All: -75.041+/-0.150 χ^2/NDF: 7091.4/60



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 64.326+/-0.215 χ^2/NDF:1193.0/13

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 63.668+/-0.220 χ^2/NDF:754.6/11

Left: 64.004+/-0.153 χ^2/NDF: 1952.2/25

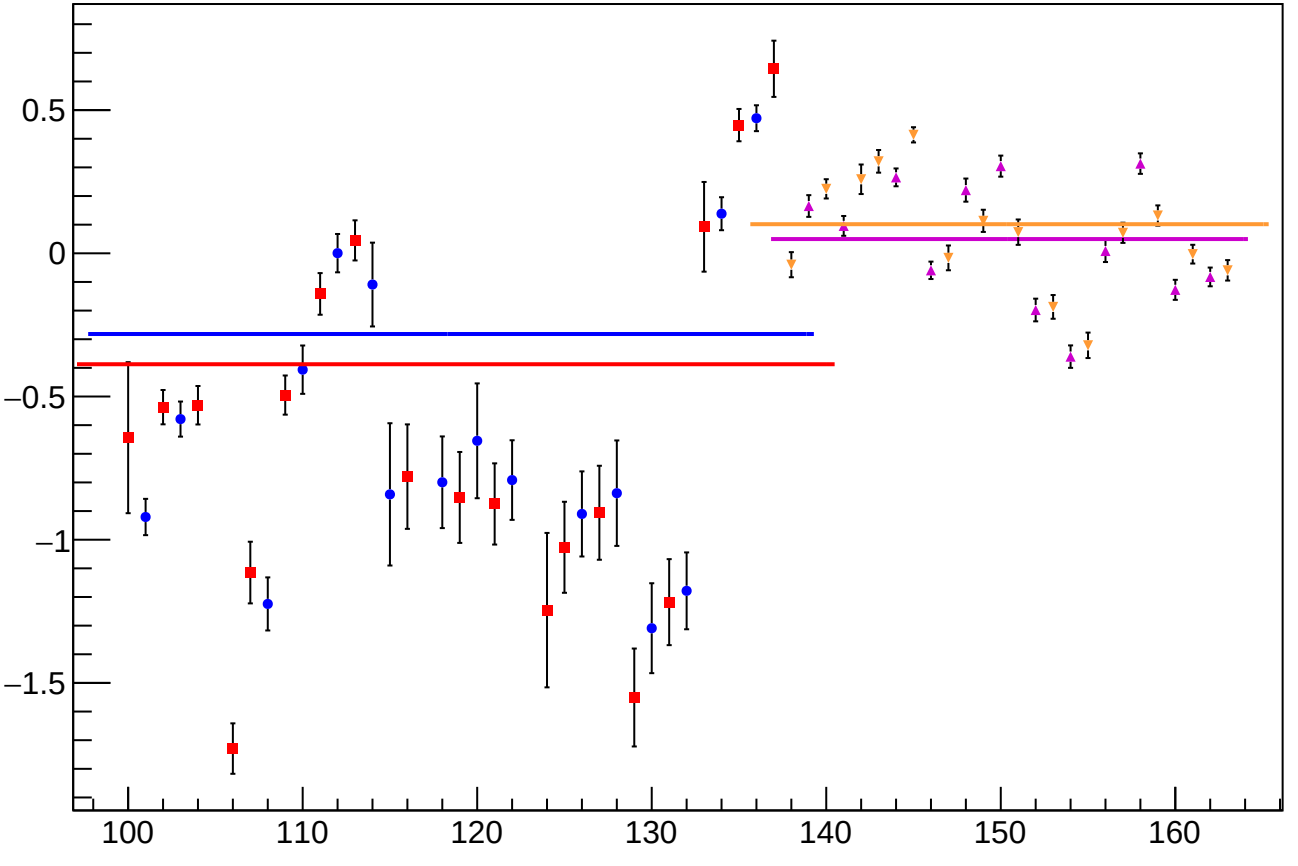
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 63.084+/-0.192 χ^2/NDF:4014.6/27

Out: 62.850+/-0.189 χ^2/NDF:4179.8/32

All: 62.965+/-0.135 χ^2/NDF: 8195.1/60

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: 0.102+/-0.010 χ^2/NDF:380.3/13

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.050+/-0.010 χ^2/NDF:383.9/11

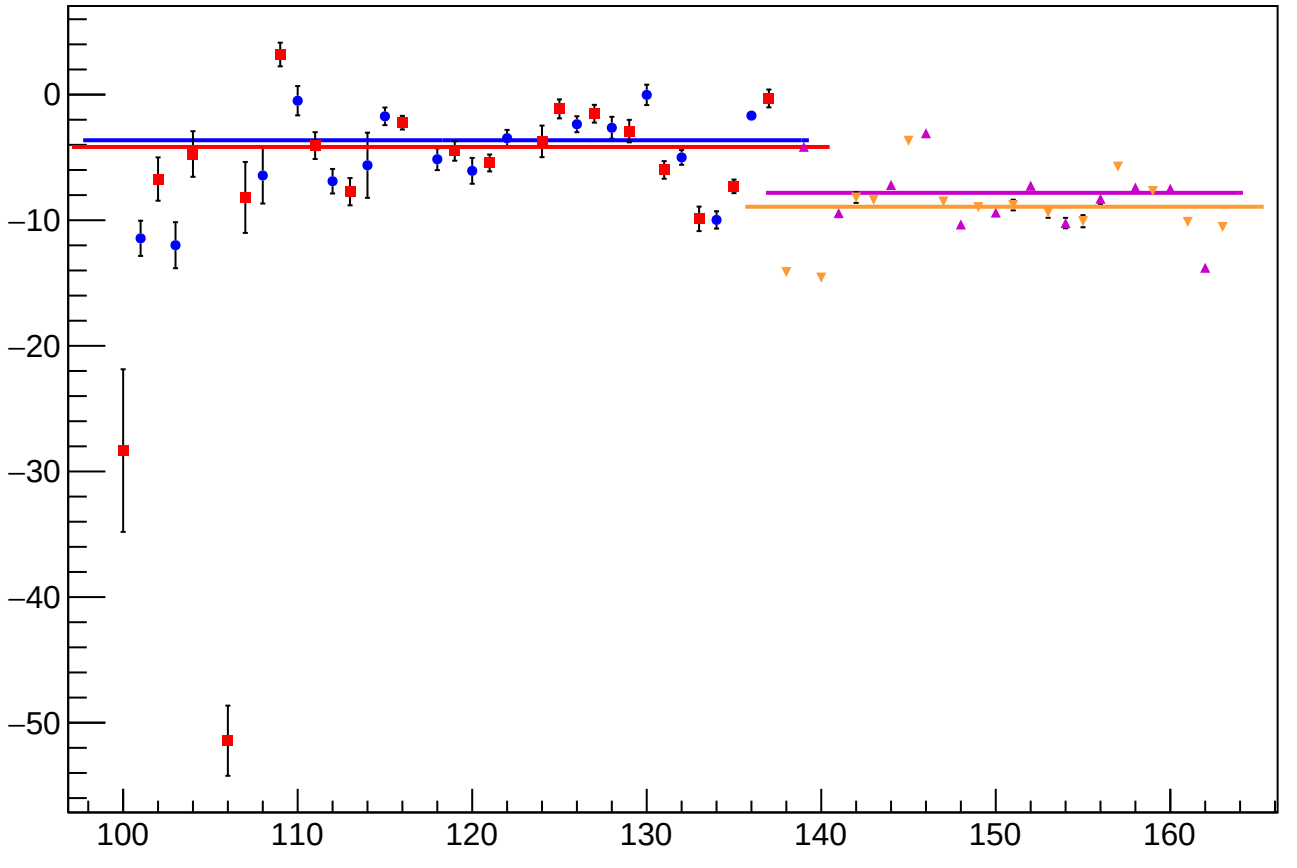
Left: 0.076+/-0.007 χ^2/NDF: 777.3/25

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.011+/-0.009 χ^2/NDF:1303.8/27

Out: 0.017+/-0.009 χ^2/NDF:1611.0/32

All: 0.003+/-0.007 χ^2/NDF: 2919.5/60



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.927+/-0.090 χ^2/NDF:1393.1/13

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -7.820+/-0.092 χ^2/NDF:1102.8/11

Left: -8.387+/-0.064 χ^2/NDF: 2570.1/25

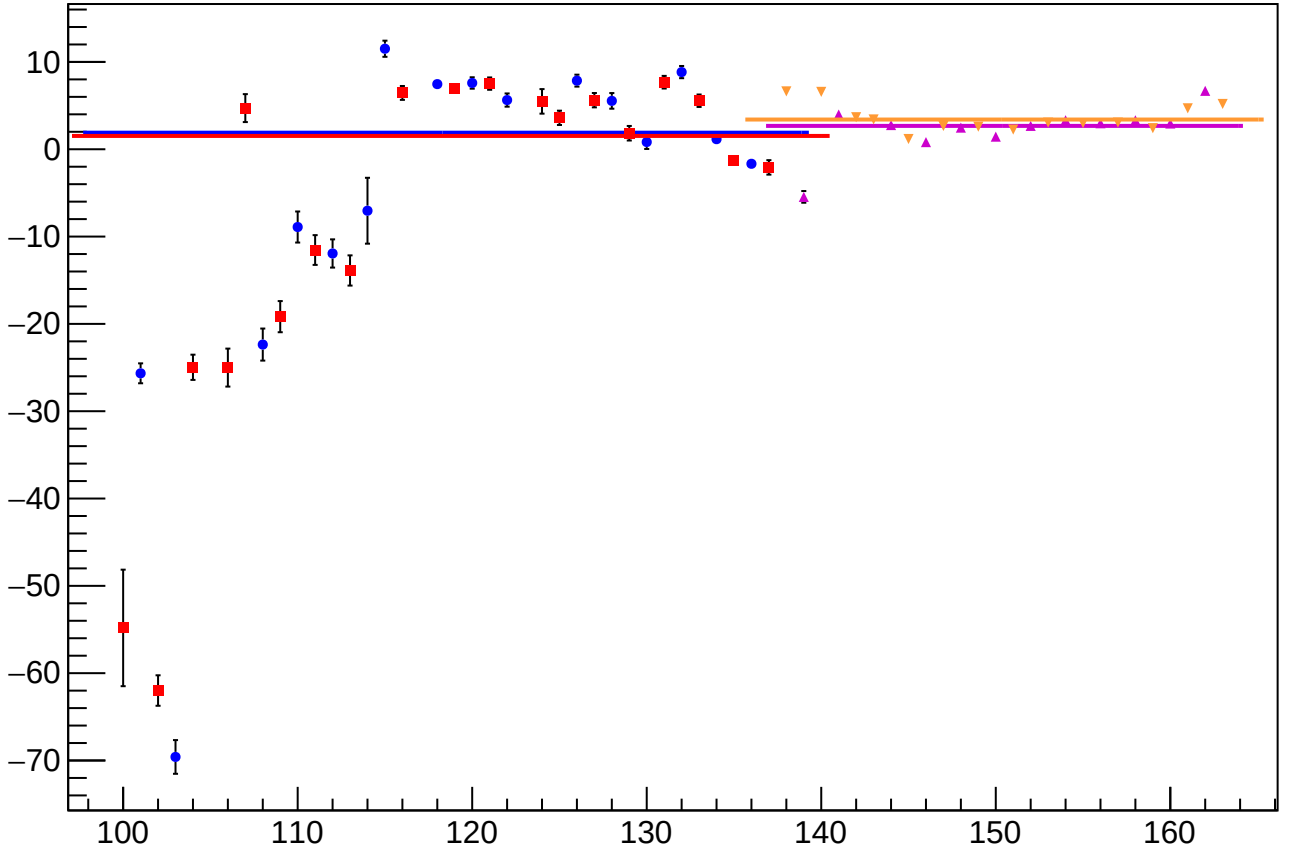
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.018+/-0.083 χ^2/NDF:1734.0/27

Out: -8.125+/-0.082 χ^2/NDF:2396.5/32

All: -7.577+/-0.058 χ^2/NDF: 4220.8/60

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.404+/-0.062 χ^2/NDF:636.1/13

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.676+/-0.062 χ^2/NDF:747.4/11

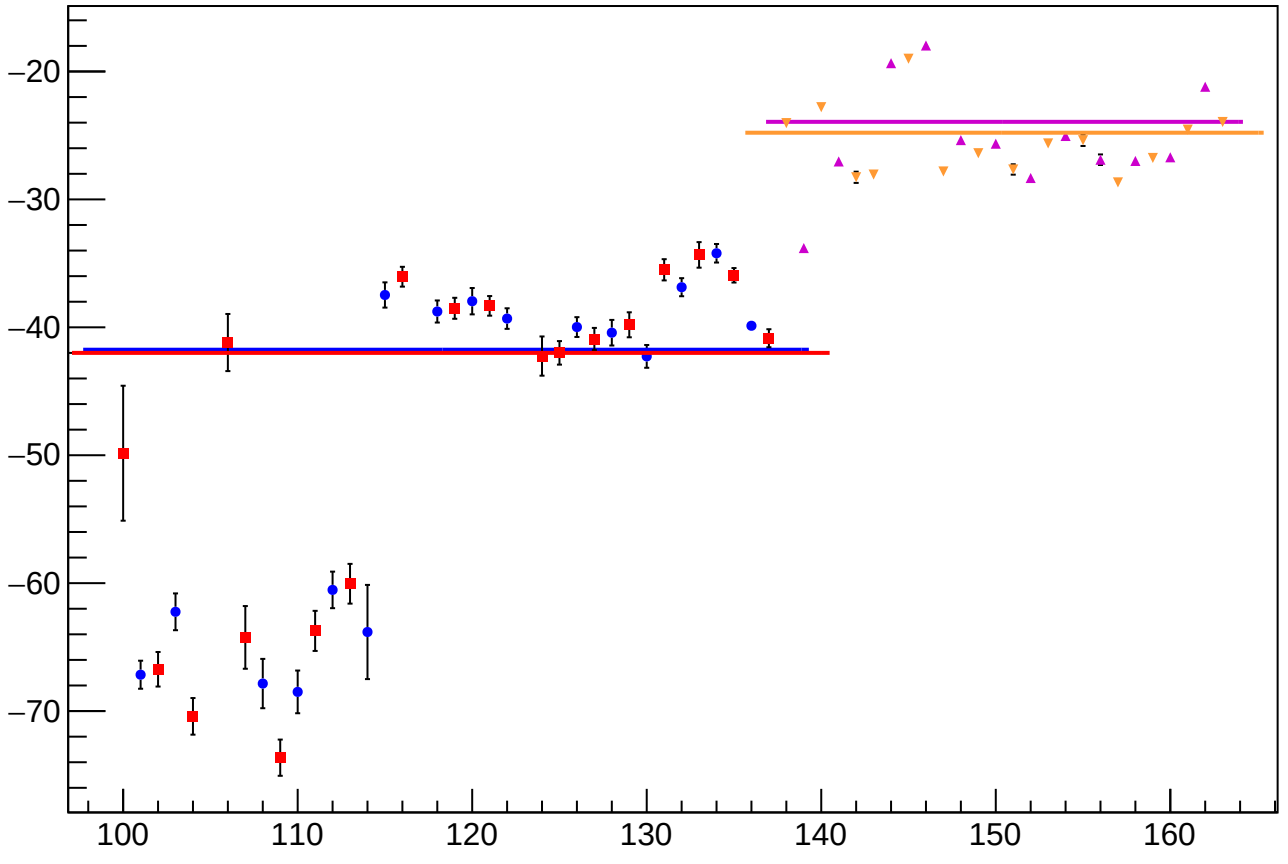
Left: 3.041+/-0.044 χ^2/NDF: 1451.9/25

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.600+/-0.059 χ^2/NDF:3600.9/27

Out: 3.250+/-0.060 χ^2/NDF:3270.6/32

All: 2.923+/-0.042 χ^2/NDF: 6931.5/60



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.787+/-0.088 χ^2/NDF:1219.1/13

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.936+/-0.089 χ^2/NDF:2370.5/11

Left: -24.367+/-0.063 χ^2/NDF: 3635.6/25

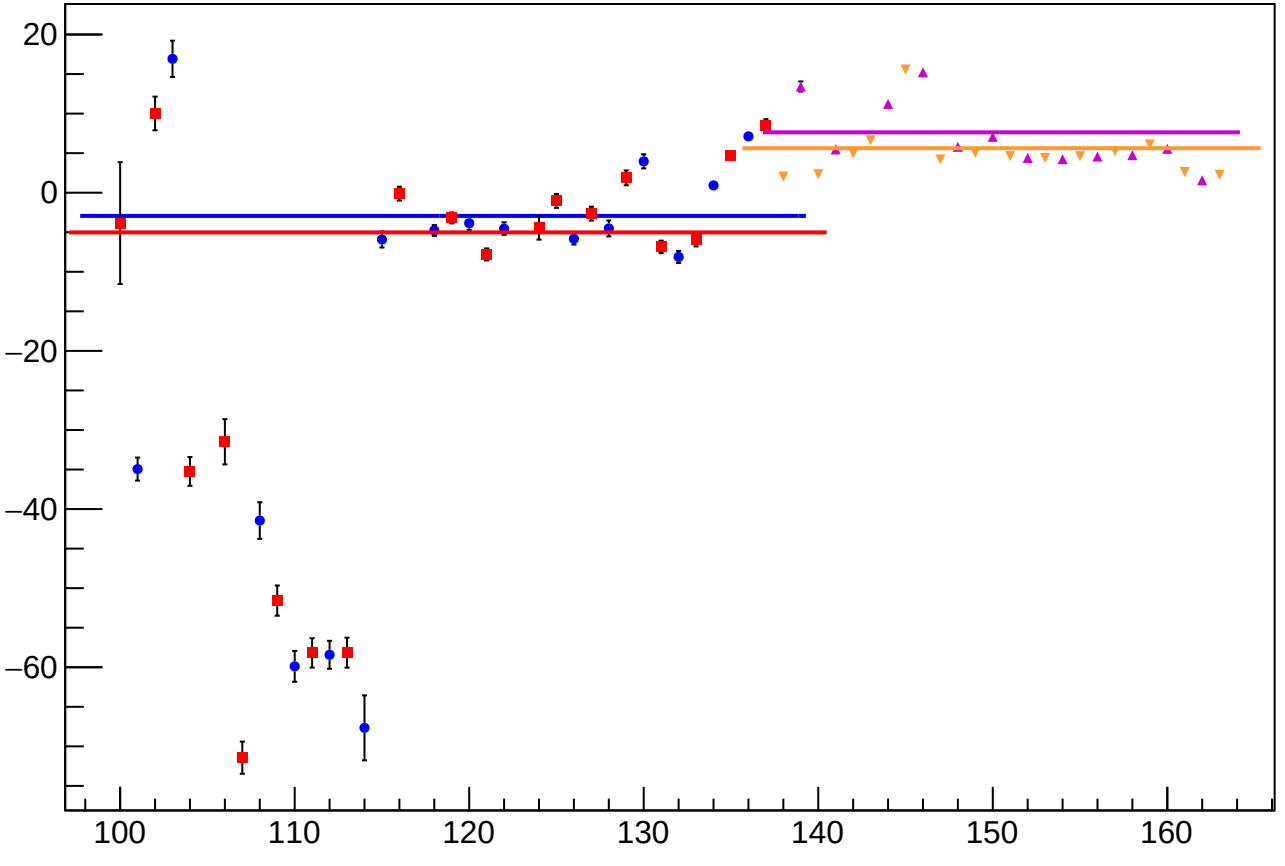
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -26.712+/-0.082 χ^2/NDF:10219.2/27

Out: -27.015+/-0.082 χ^2/NDF:8154.0/32

All: -26.863+/-0.058 χ^2/NDF: 18380.0/60

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 5.628+/-0.073 χ^2/NDF:3127.5/13

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 7.635+/-0.073 χ^2/NDF:3680.2/11

Left: 6.623+/-0.051 χ^2/NDF: 7187.7/25

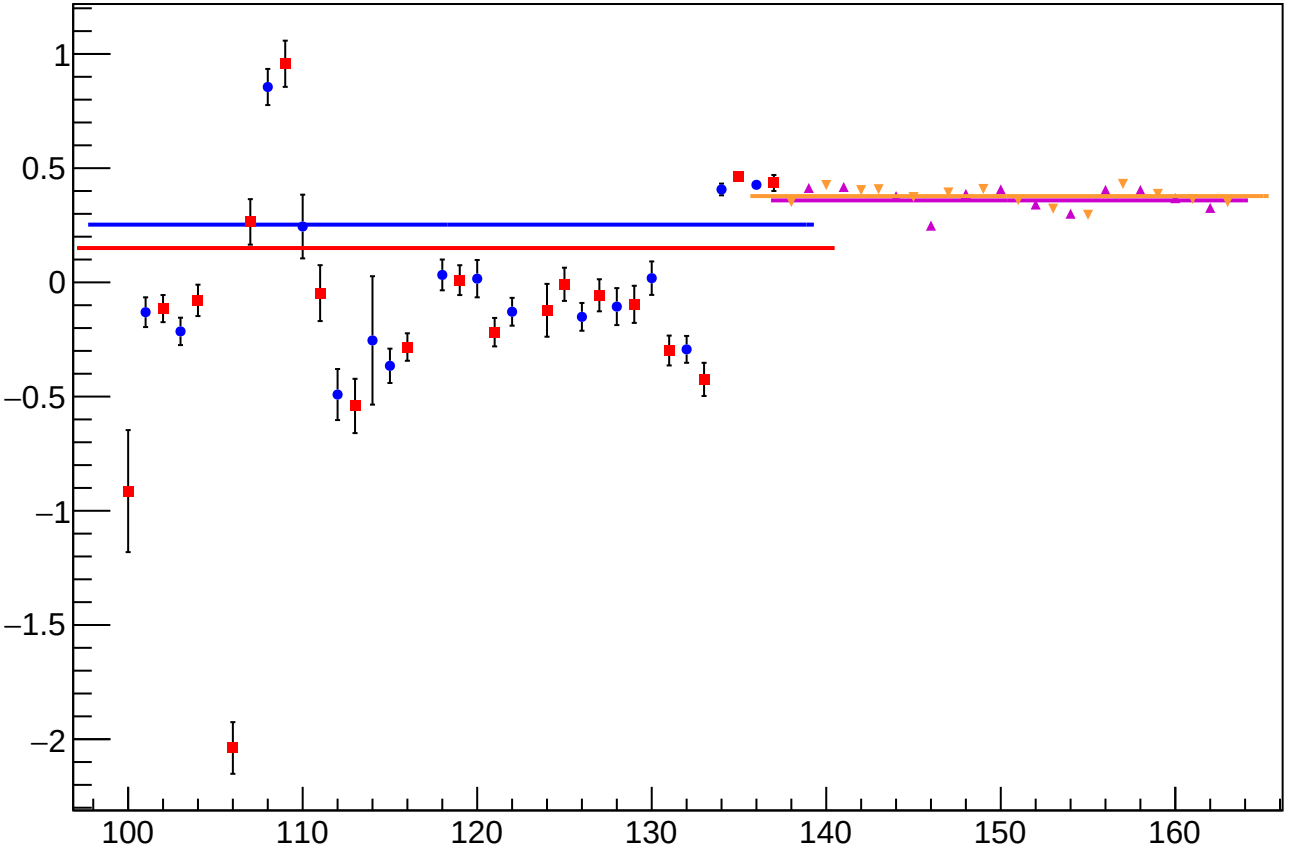
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 6.488+/-0.069 χ^2/NDF:9672.3/27

Out: 4.679+/-0.069 χ^2/NDF:9425.9/32

All: 5.585+/-0.049 χ^2/NDF: 19440.8/60

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: 0.378+/-0.003 χ^2/NDF:108.1/13

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.359+/-0.003 χ^2/NDF:251.3/11

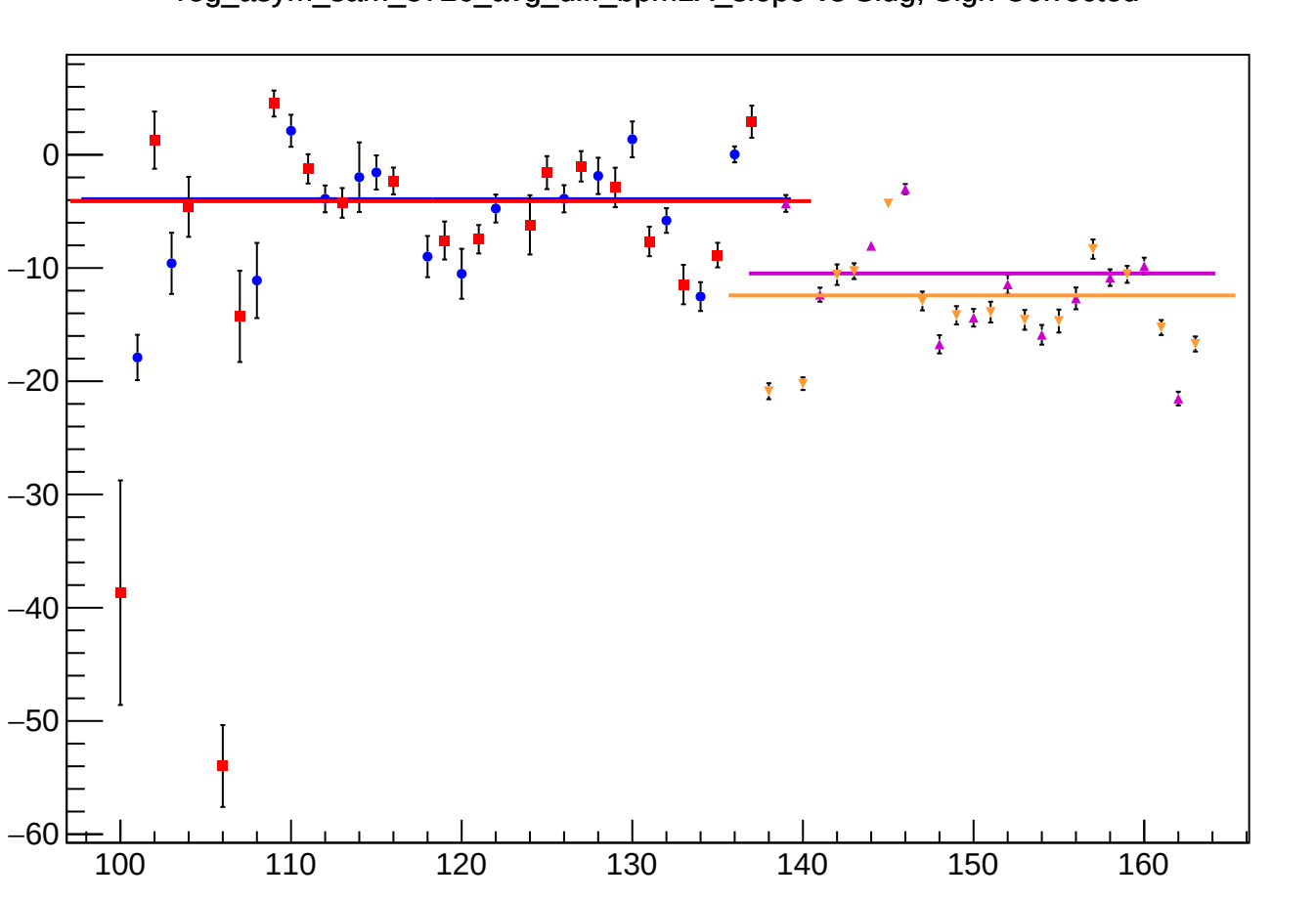
Left: 0.369+/-0.002 χ^2/NDF: 374.7/25

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.350+/-0.003 χ^2/NDF:960.8/27

Out: 0.364+/-0.003 χ^2/NDF:1398.8/32

All: 0.357+/-0.002 χ^2/NDF: 2368.5/60



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.422+/-0.186 χ^2/NDF:882.0/13

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -10.479+/-0.189 χ^2/NDF:852.2/11

Left: -11.466+/-0.132 χ^2/NDF: 1788.1/25

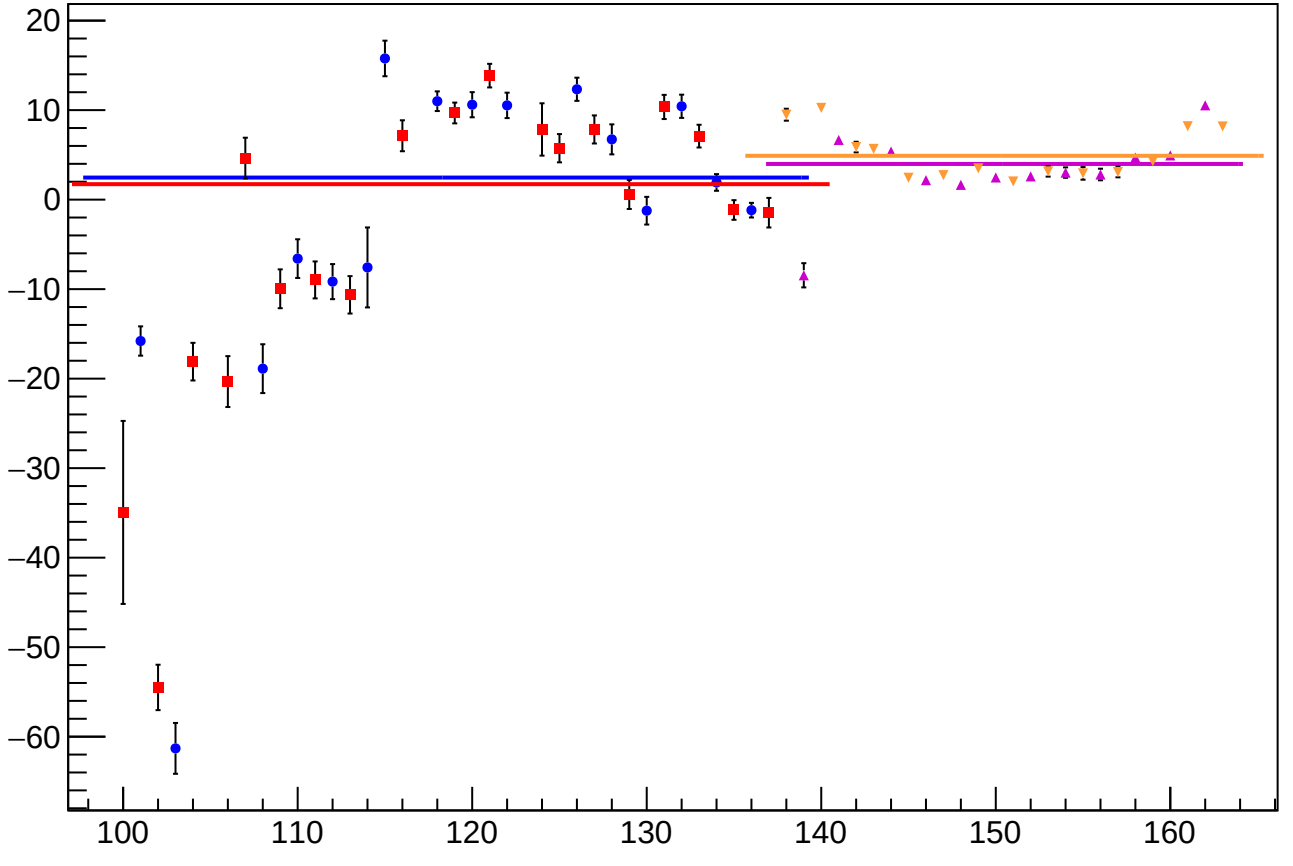
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -8.979+/-0.166 χ^2/NDF:1317.7/27

Out: -10.651+/-0.165 χ^2/NDF:1677.5/32

All: -9.820+/-0.117 χ^2/NDF: 3046.5/60

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 4.898+/-0.130 χ^2/NDF:449.3/13

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.985+/-0.127 χ^2/NDF:451.6/11

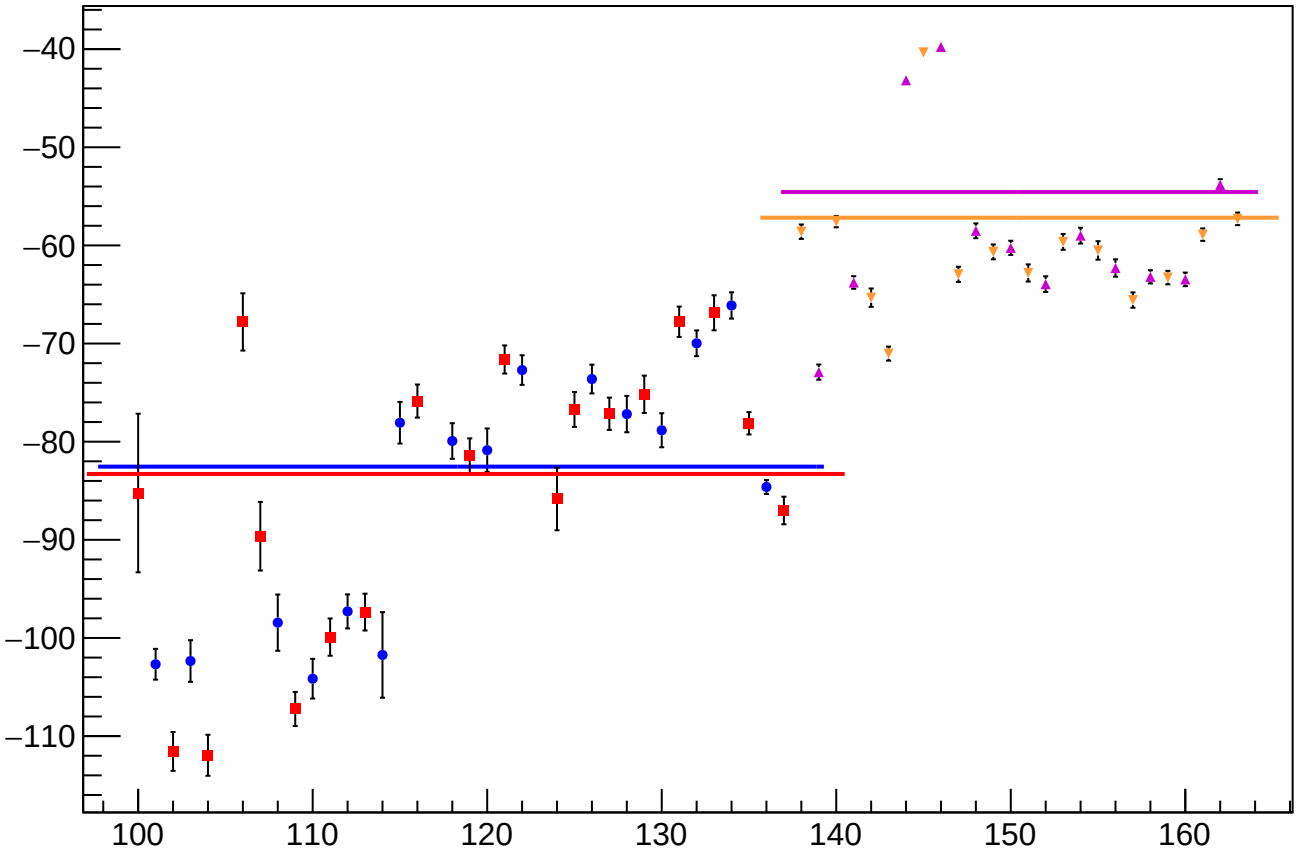
Left: 4.434+/-0.091 χ^2/NDF: 926.2/25

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.814+/-0.120 χ^2/NDF:1514.4/27

Out: 4.577+/-0.123 χ^2/NDF:1493.1/32

All: 4.186+/-0.086 χ^2/NDF: 3027.3/60



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -57.176+/-0.182 χ^2/NDF:2512.6/13

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -54.561+/-0.183 χ^2/NDF:3263.7/11

Left: -55.874+/-0.129 χ^2/NDF: 5878.5/25

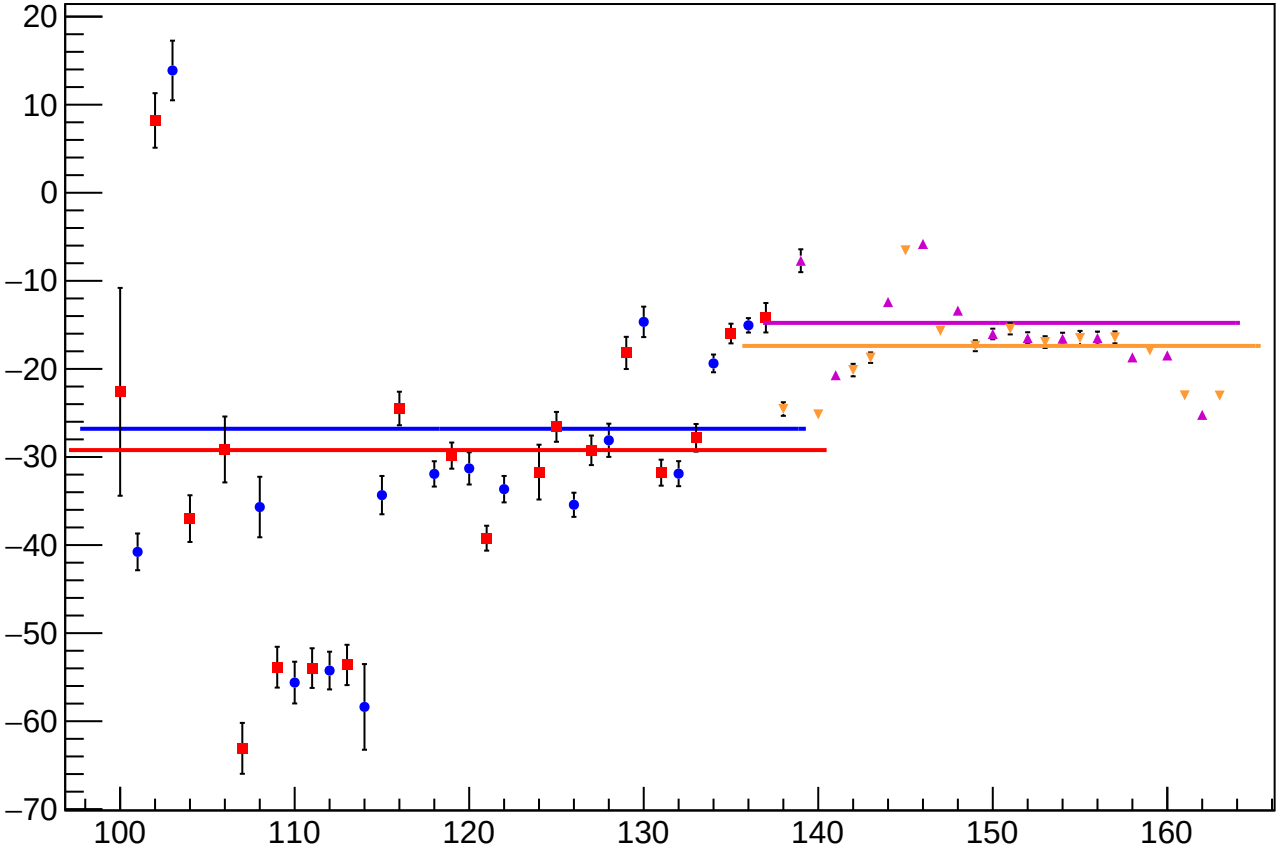
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.743+/-0.165 χ^2/NDF:8421.7/27

Out: -61.420+/-0.167 χ^2/NDF:6933.0/32

All: -60.574+/-0.118 χ^2/NDF: 15405.6/60

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: -17.388+/-0.151 χ^2/NDF:1466.6/13

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.773+/-0.150 χ^2/NDF:1526.5/11

Left: -16.073+/-0.106 χ^2/NDF: 3144.0/25

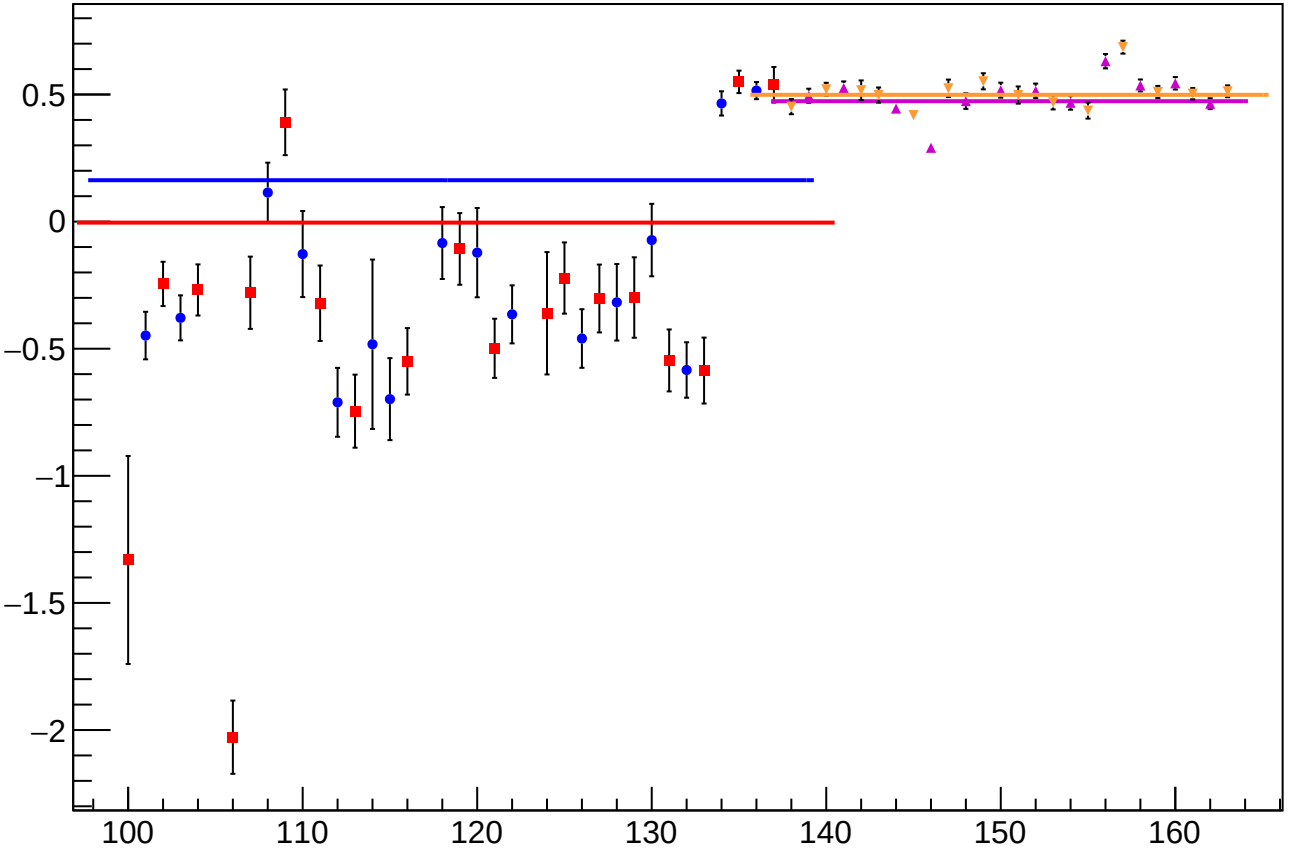
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -16.285+/-0.140 χ^2/NDF:3297.4/27

Out: -18.680+/-0.142 χ^2/NDF:3097.8/32

All: -17.464+/-0.100 χ^2/NDF: 6538.7/60

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.499+/-0.007 χ^2/NDF:90.9/13

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.474+/-0.007 χ^2/NDF:153.1/11

Left: 0.486+/-0.005 χ^2/NDF: 250.5/25

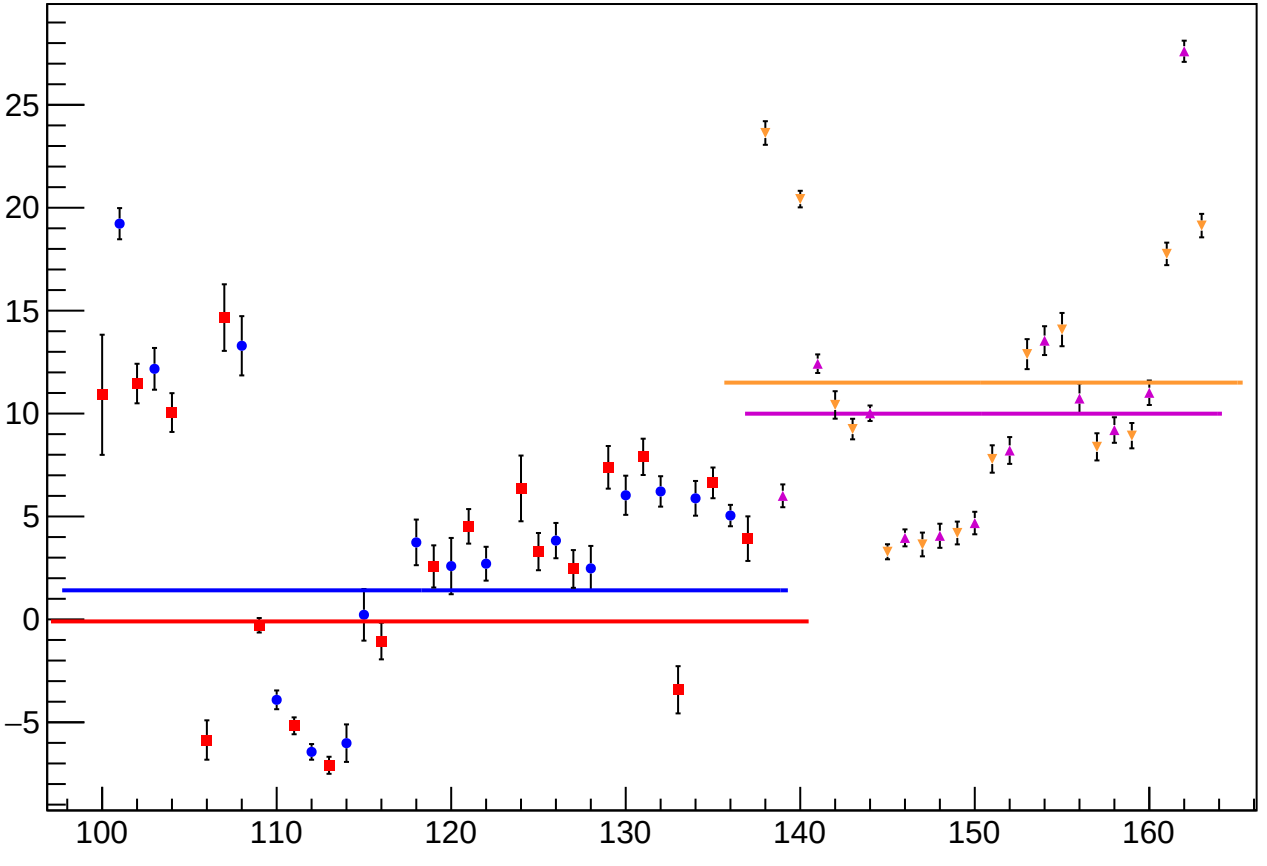
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.443+/-0.007 χ^2/NDF:765.8/27

Out: 0.461+/-0.007 χ^2/NDF:1056.3/32

All: 0.452+/-0.005 χ^2/NDF: 1825.6/60

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 11.504+/-0.147 χ^2/NDF:2220.3/13

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 9.994+/-0.153 χ^2/NDF:1701.5/11

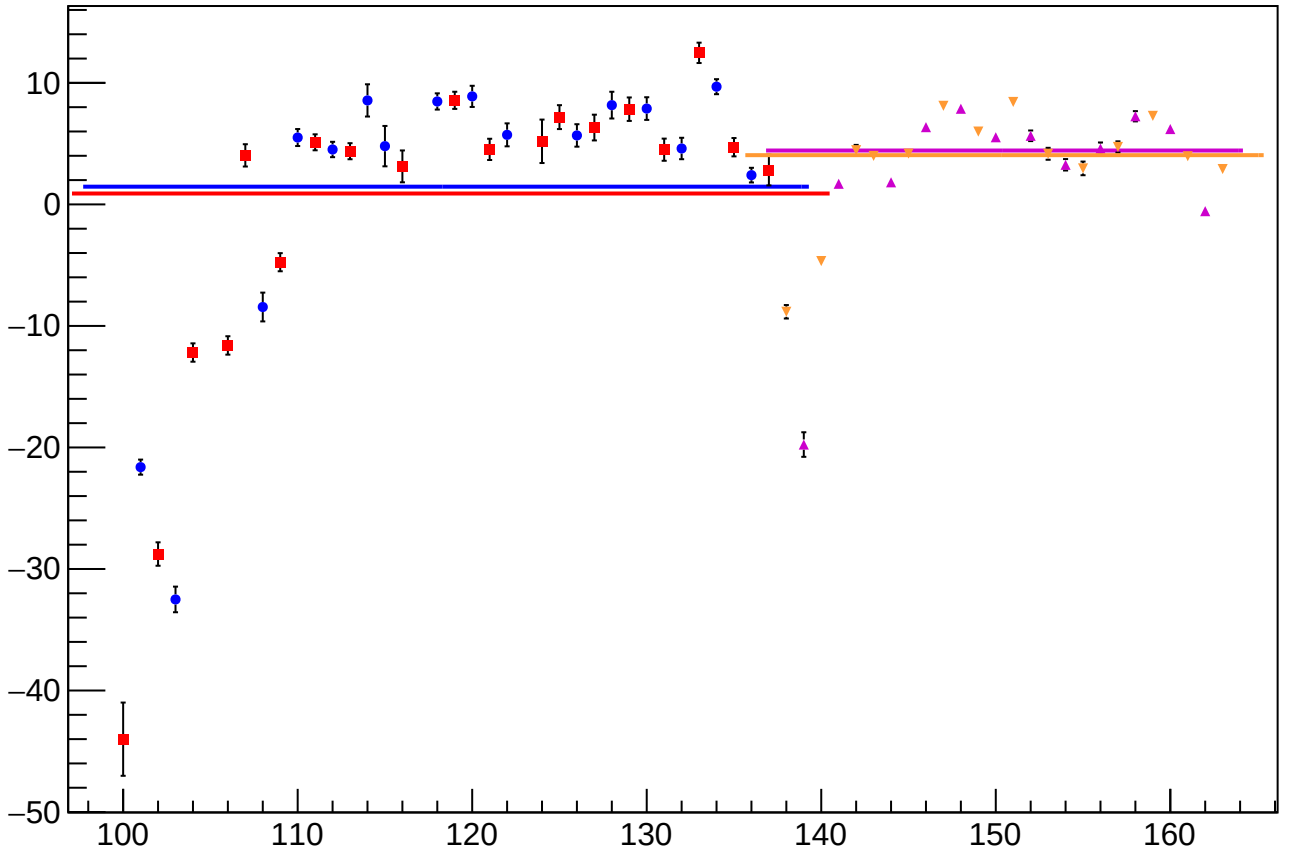
Left: 10.778+/-0.106 χ^2/NDF: 3972.5/25

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 6.469+/-0.117 χ^2/NDF:4518.1/27

Out: 6.450+/-0.110 χ^2/NDF:6078.8/32

All: 6.459+/-0.080 χ^2/NDF: 10596.9/60



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 4.052+/-0.101 χ^2/NDF:1712.8/13

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.434+/-0.104 χ^2/NDF:1196.4/11

Left: 4.239+/-0.072 χ^2/NDF: 2916.3/25

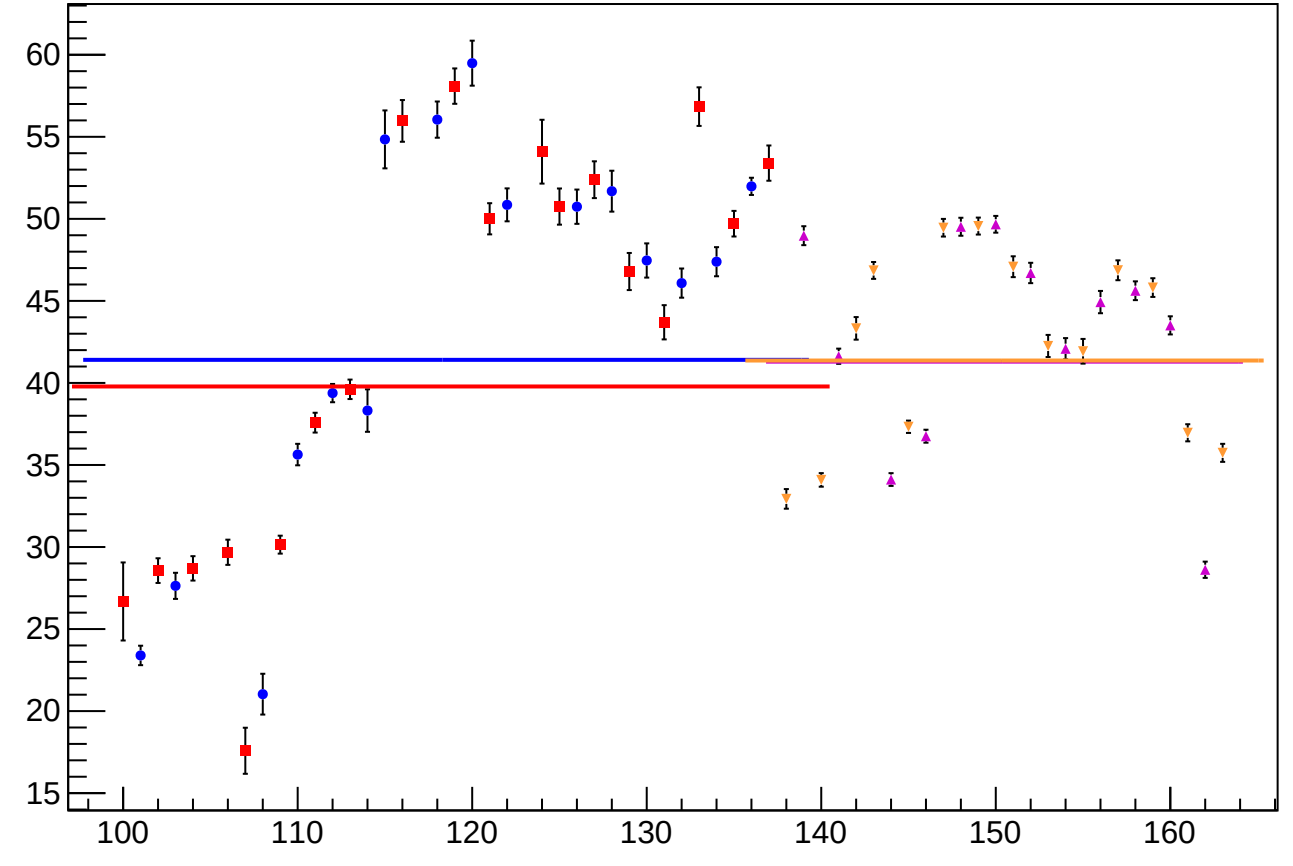
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.822+/-0.092 χ^2/NDF:4446.6/27

Out: 3.417+/-0.091 χ^2/NDF:4284.8/32

All: 3.616+/-0.065 χ^2/NDF: 8741.2/60

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: 41.366+/-0.144 χ^2/NDF:1625.4/13

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 41.297+/-0.148 χ^2/NDF:1979.5/11

Left: 41.332+/-0.103 χ^2/NDF: 3605.0/25

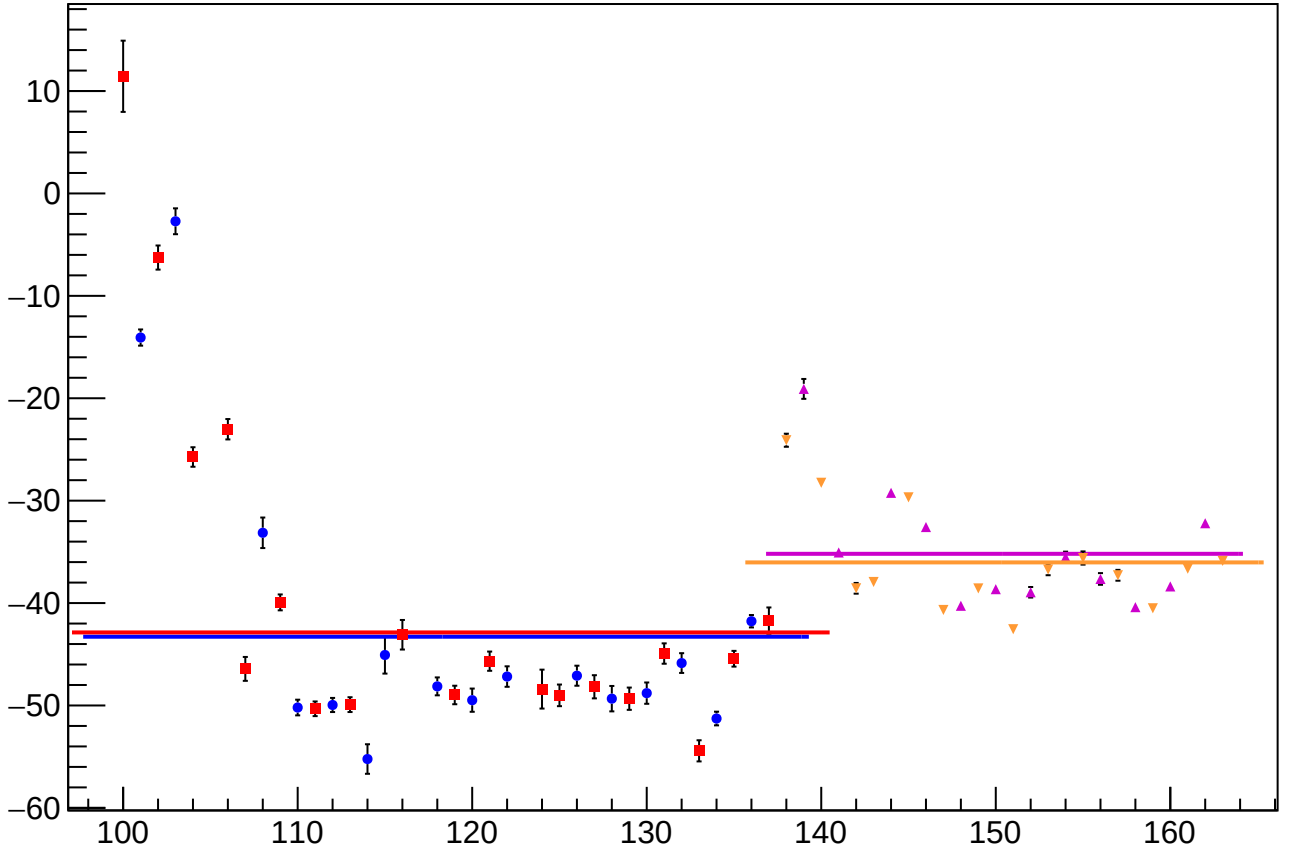
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.334+/-0.121 χ^2/NDF:4725.7/27

Out: 40.834+/-0.118 χ^2/NDF:4319.6/32

All: 41.076+/-0.084 χ^2/NDF: 9054.0/60

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -36.030+/-0.119 χ^2/NDF:1620.2/13

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -35.190+/-0.122 χ^2/NDF:1242.6/11

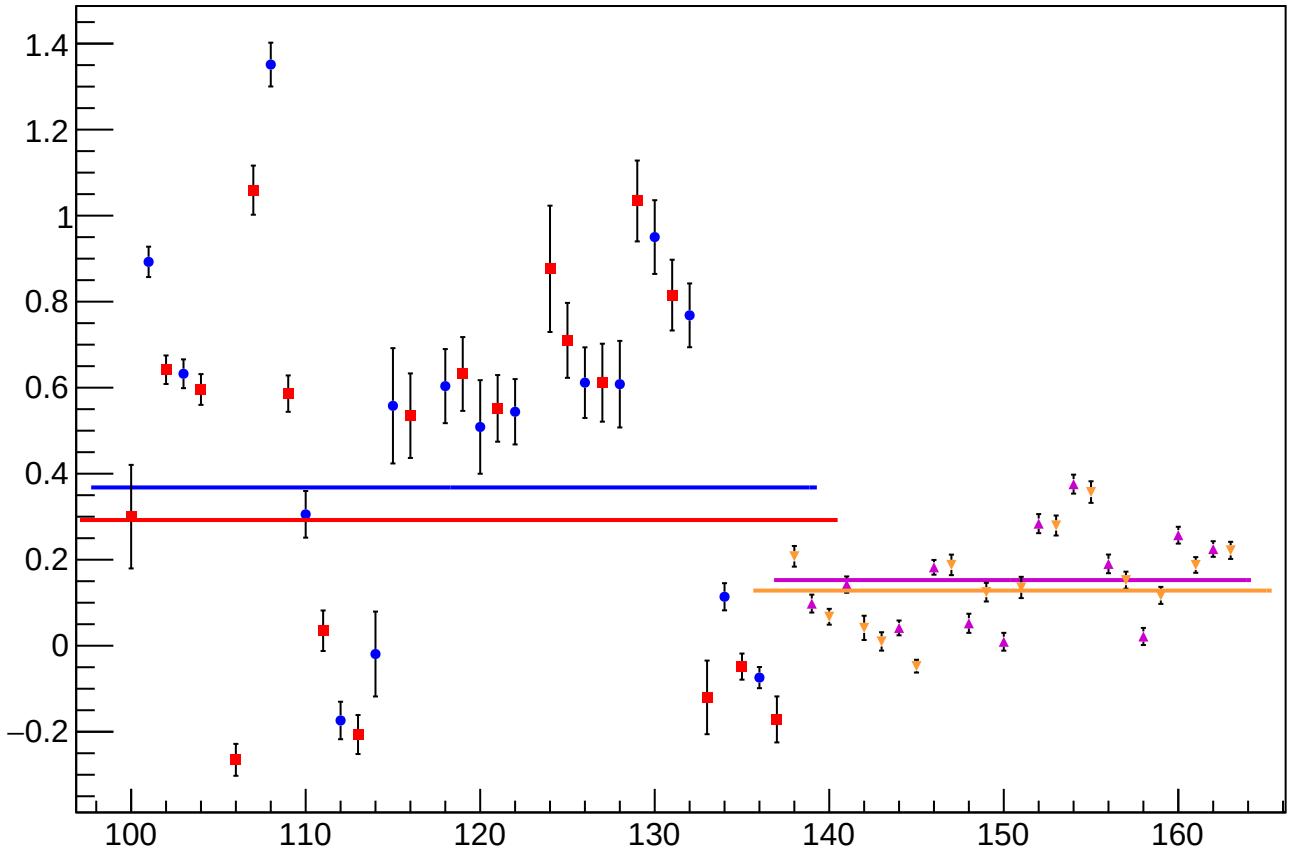
Left: -35.620+/-0.085 χ^2/NDF: 2887.0/25

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -36.979+/-0.108 χ^2/NDF:5198.4/27

Out: -37.486+/-0.106 χ^2/NDF:4775.9/32

All: -37.237+/-0.075 χ^2/NDF: 9985.6/60



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.128+/-0.006 χ^2/NDF:367.5/13

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.153+/-0.006 χ^2/NDF:348.4/11

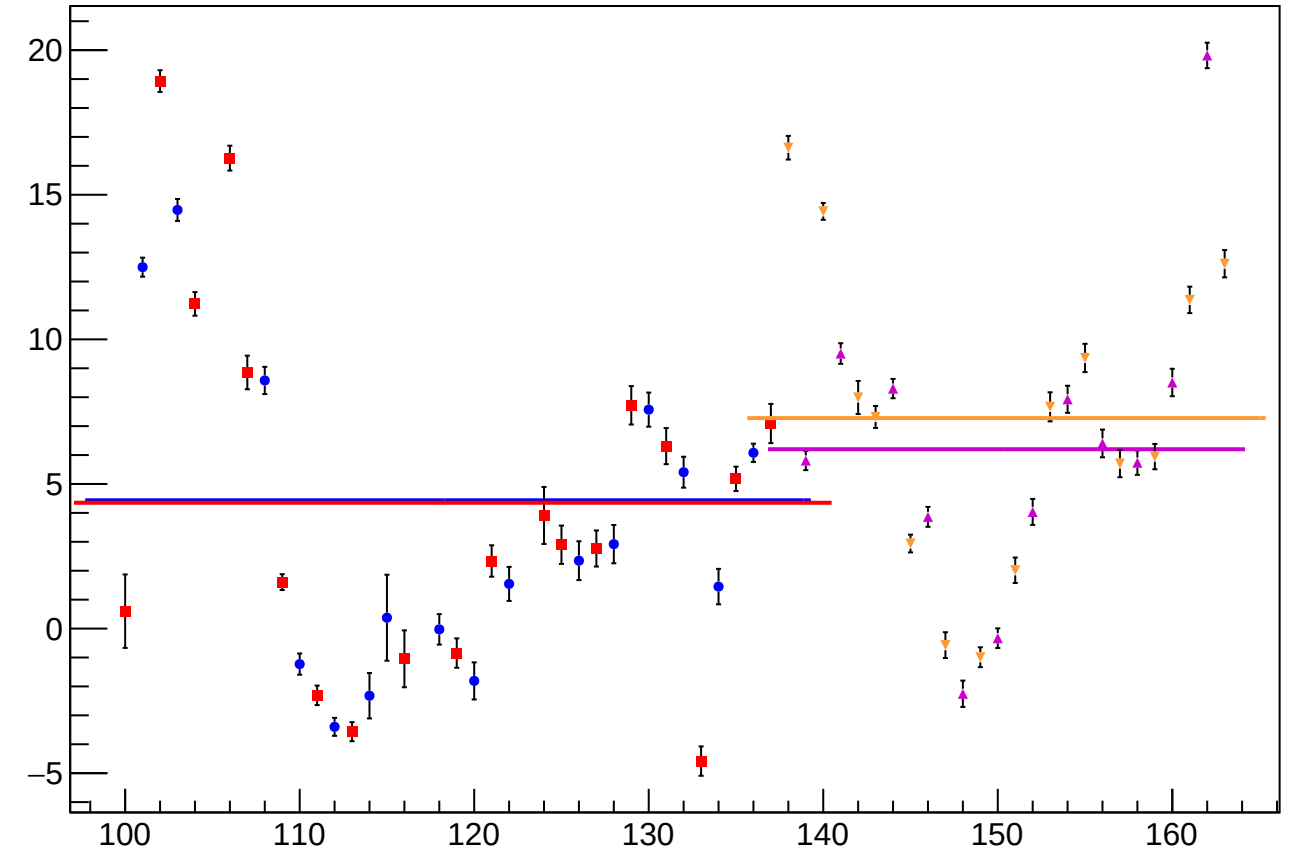
Left: 0.140+/-0.004 χ^2/NDF: 725.3/25

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.191+/-0.005 χ^2/NDF:1924.9/27

Out: 0.157+/-0.005 χ^2/NDF:1718.3/32

All: 0.174+/-0.004 χ^2/NDF: 3666.0/60



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.278+/-0.109 χ^2/NDF:2600.7/13

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 6.201+/-0.114 χ^2/NDF:1901.6/11

Left: 6.763+/-0.079 χ^2/NDF: 4548.9/25

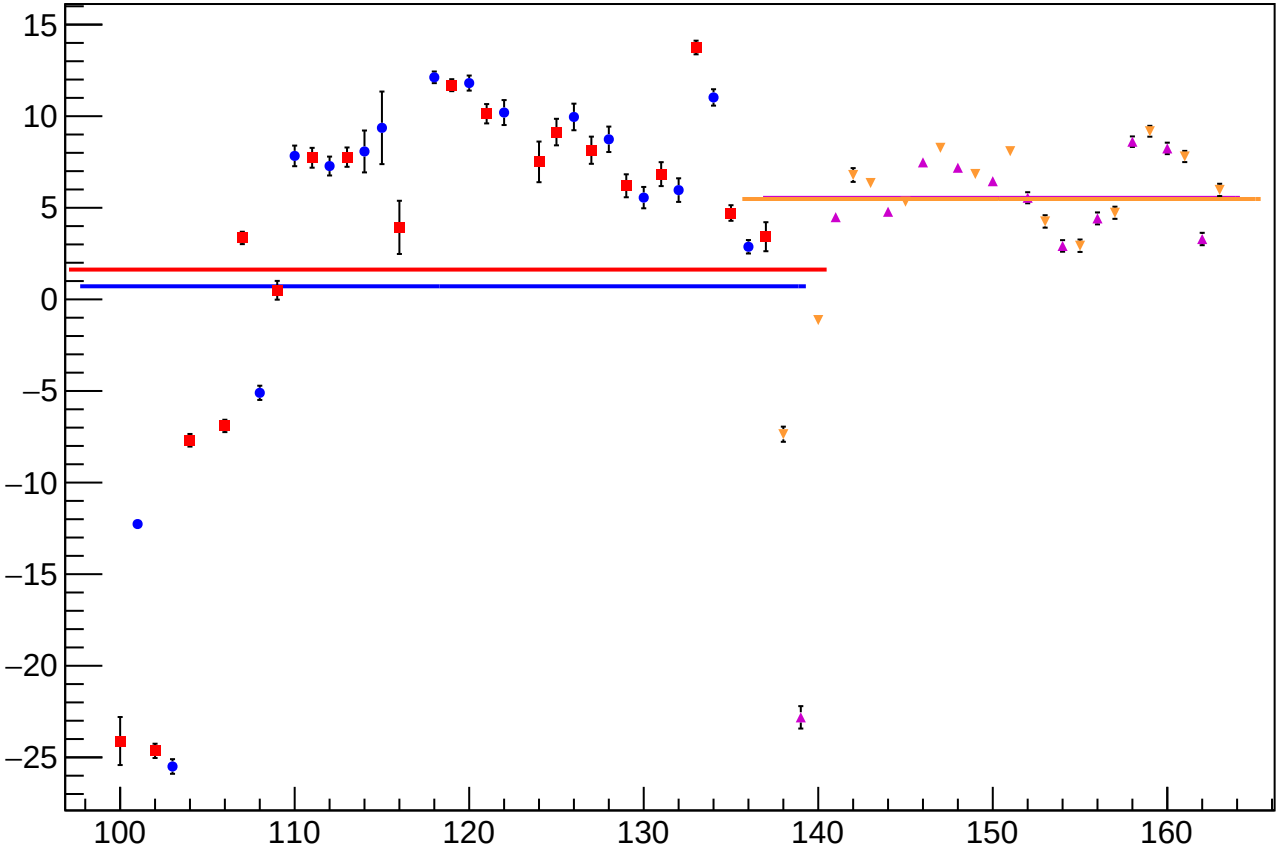
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 5.340+/-0.082 χ^2/NDF:4640.5/27

Out: 5.814+/-0.077 χ^2/NDF:7165.9/32

All: 5.591+/-0.056 χ^2/NDF: 11824.2/60

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.480+/-0.076 χ^2/NDF:2334.6/13

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.542+/-0.080 χ^2/NDF:2643.9/11

Left: 5.510+/-0.055 χ^2/NDF: 4978.8/25

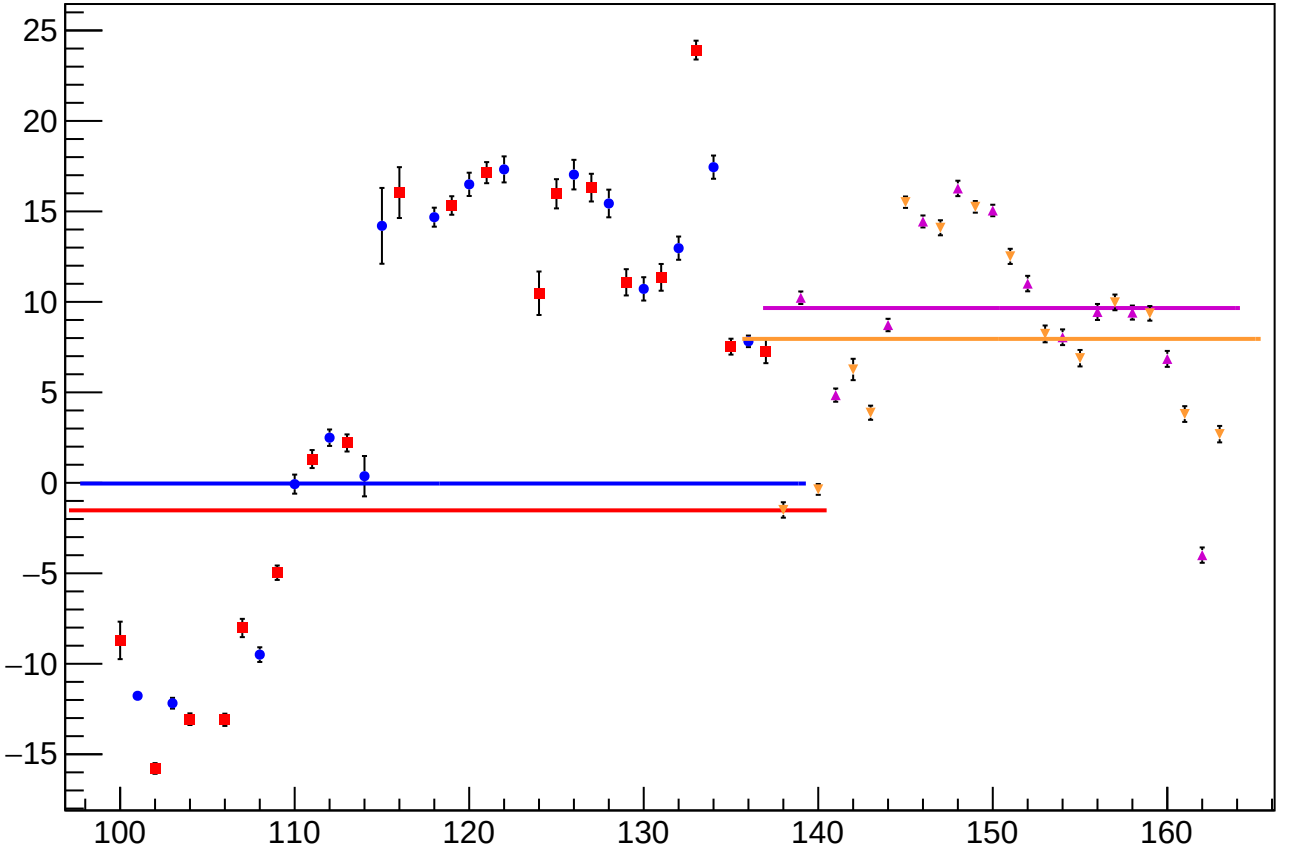
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.993+/-0.066 χ^2/NDF:14275.5/27

Out: 4.261+/-0.062 χ^2/NDF:12413.6/32

All: 4.134+/-0.045 χ^2/NDF: 26697.8/60

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 7.955+/-0.106 χ^2/NDF:3067.9/13

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 9.660+/-0.110 χ^2/NDF:2020.8/11

Left: 8.776+/-0.077 χ^2/NDF: 5212.2/25

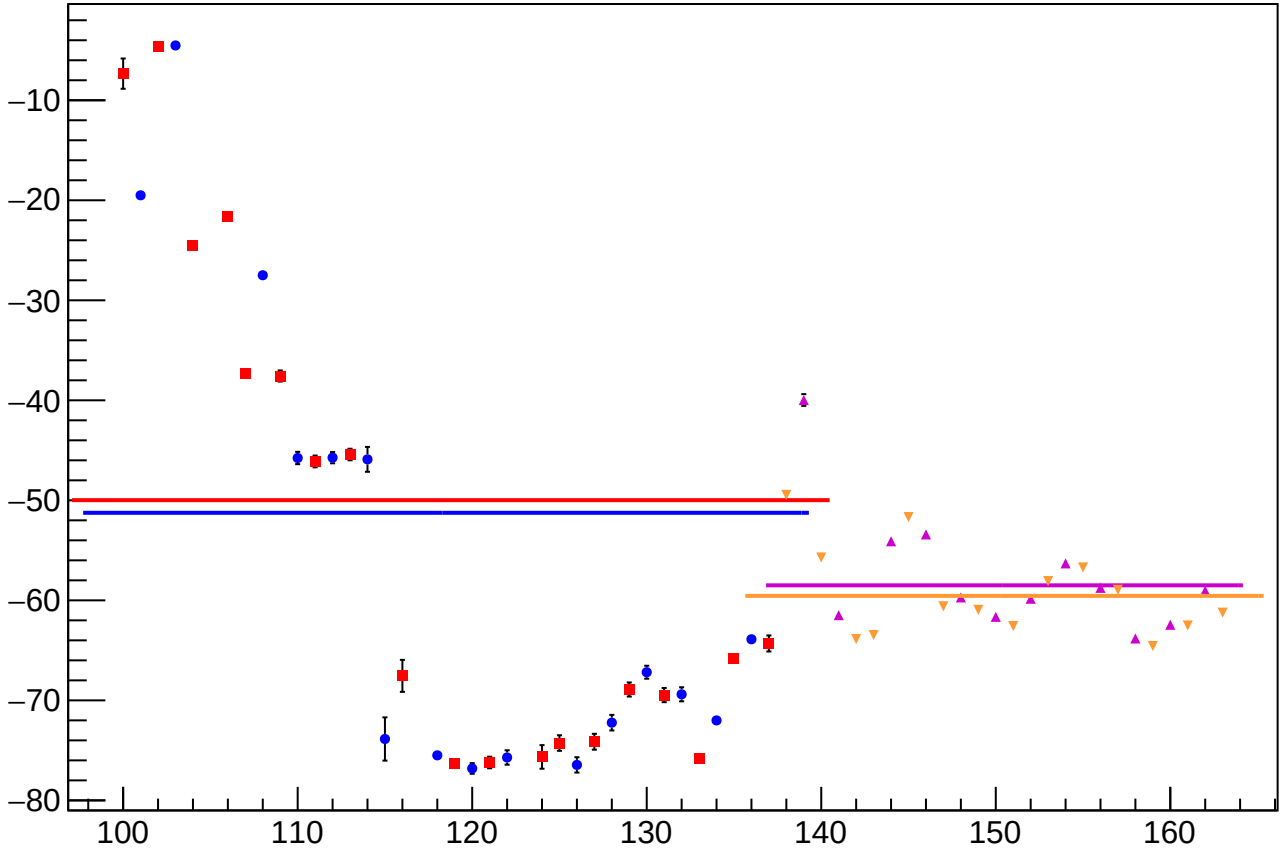
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.187+/-0.081 χ^2/NDF:14851.9/27

Out: 3.585+/-0.078 χ^2/NDF:18851.3/32

All: 4.357+/-0.056 χ^2/NDF: 33905.6/60

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: -59.554+/-0.089 χ^2/NDF:2164.2/13

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -58.498+/-0.093 χ^2/NDF:2358.2/11

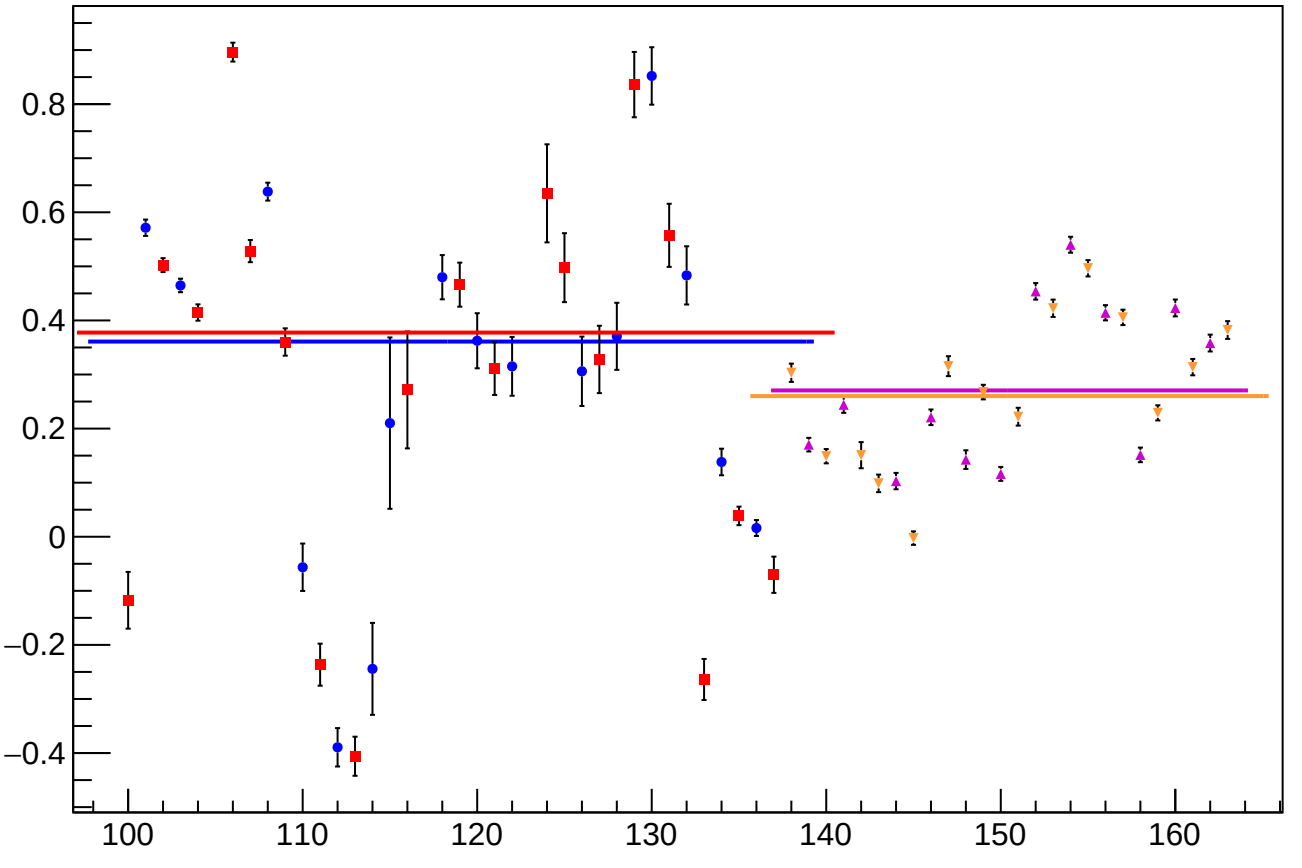
Left: -59.051+/-0.064 χ^2/NDF: 4590.0/25

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -56.183+/-0.077 χ^2/NDF:38066.0/27

Out: -56.536+/-0.073 χ^2/NDF:39729.1/32

All: -56.367+/-0.053 χ^2/NDF: 77806.2/60



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.260+/-0.004 χ^2/NDF:1179.8/13

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.271+/-0.004 χ^2/NDF:1186.8/11

Left: 0.265+/-0.003 χ^2/NDF: 2369.8/25

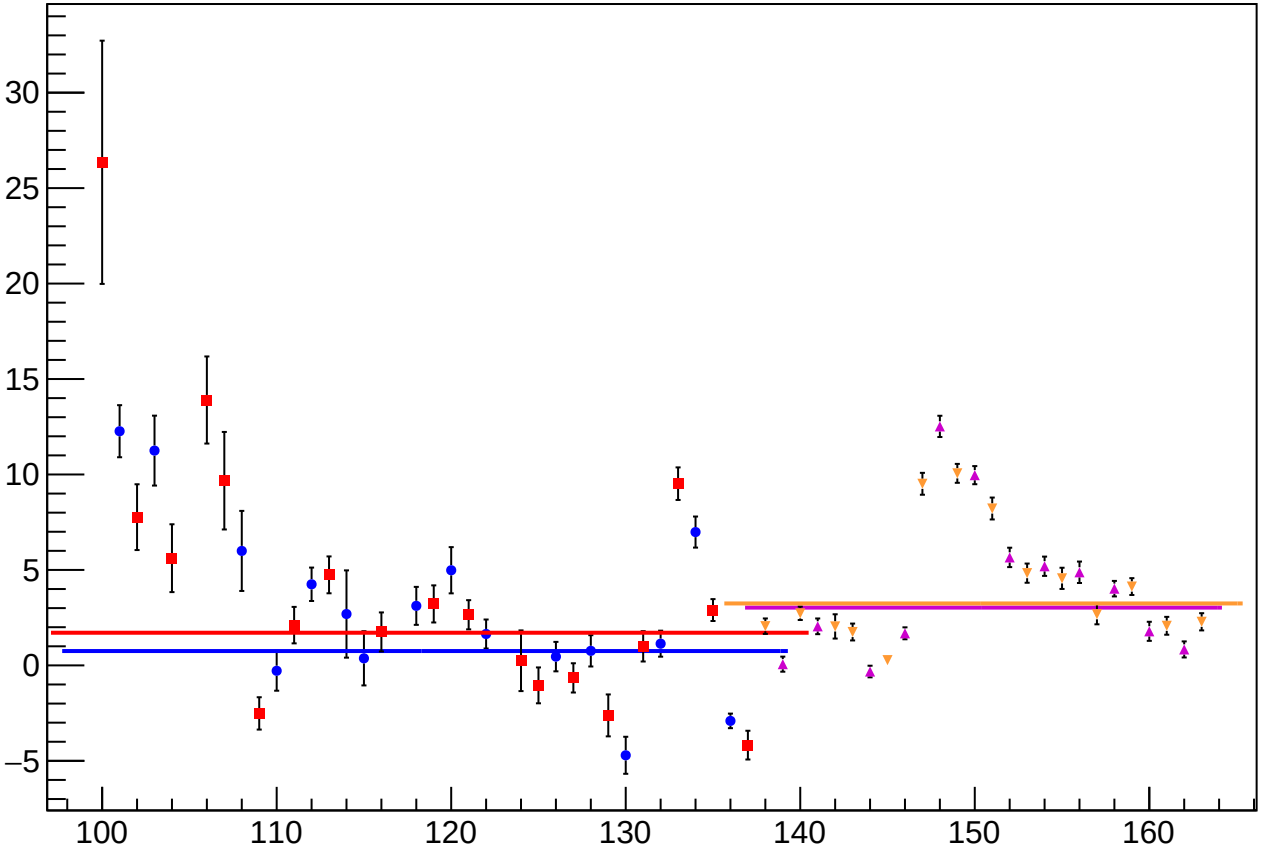
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.298+/-0.003 χ^2/NDF:3187.4/27

Out: 0.296+/-0.003 χ^2/NDF:4225.2/32

All: 0.297+/-0.002 χ^2/NDF: 7412.7/60

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.244+/-0.118 χ^2/NDF:568.3/13

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 3.027+/-0.122 χ^2/NDF:801.2/11

Left: 3.139+/-0.085 χ^2/NDF: 1371.2/25

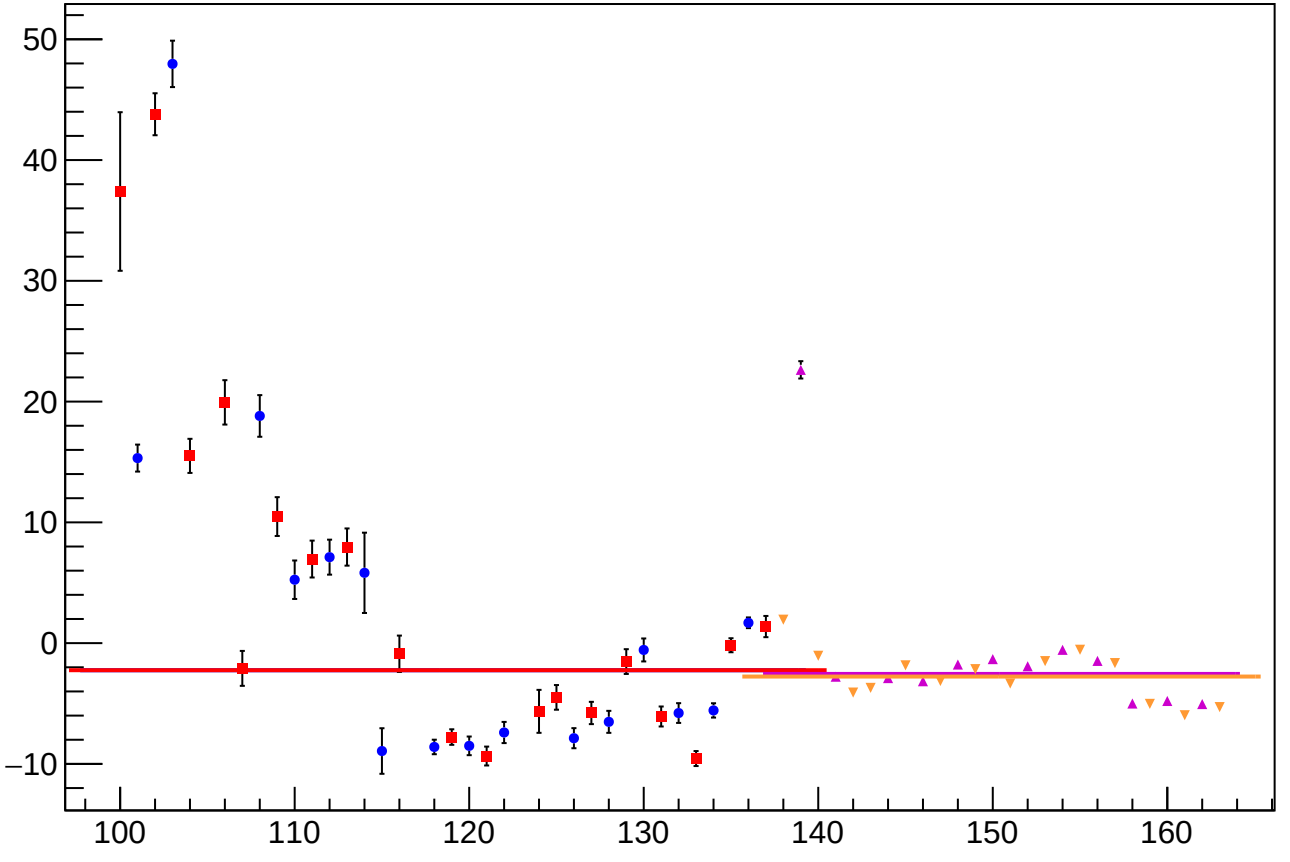
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.465+/-0.106 χ^2/NDF:1217.7/27

Out: 2.909+/-0.104 χ^2/NDF:899.2/32

All: 2.690+/-0.074 χ^2/NDF: 2125.8/60

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.767+/-0.083 χ^2/NDF:504.8/13

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.550+/-0.085 χ^2/NDF:1497.3/11

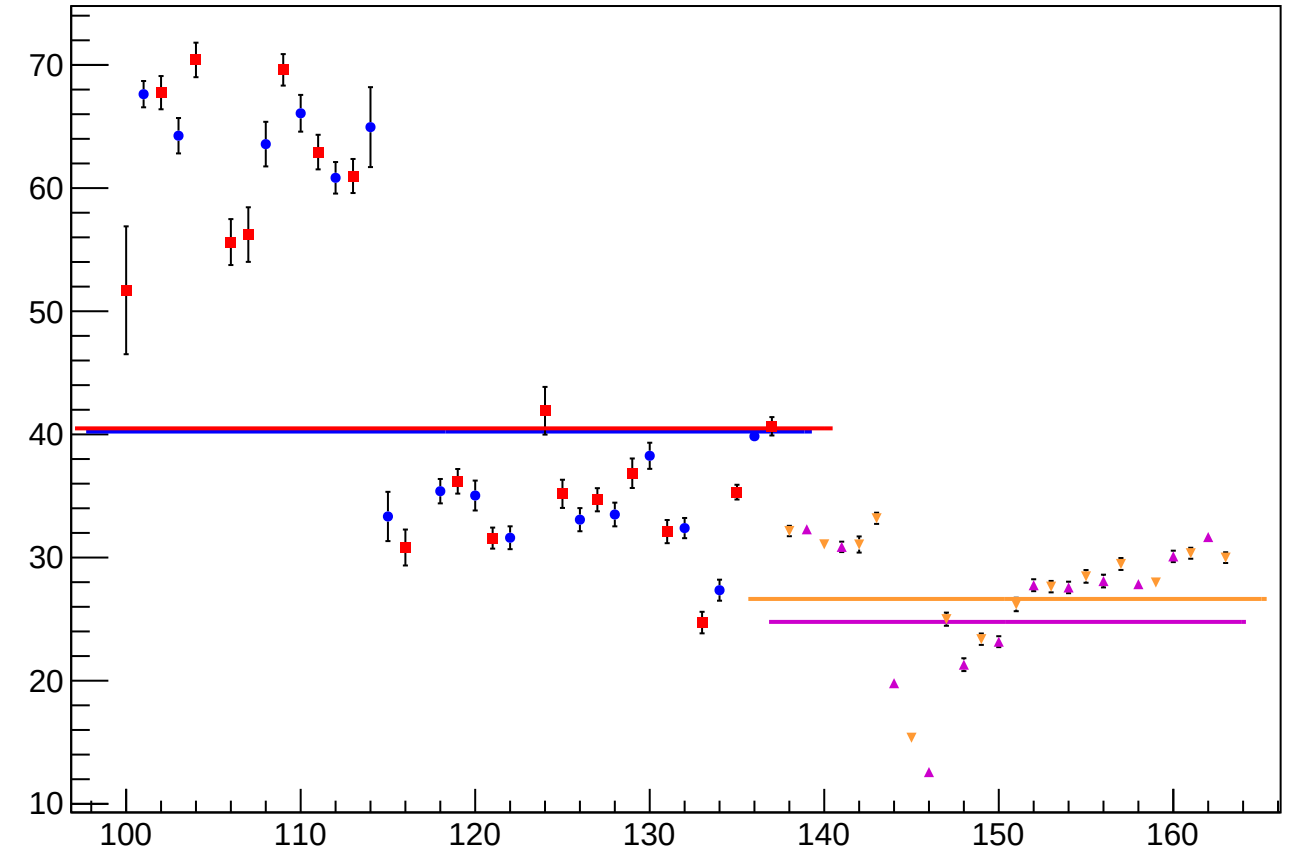
Left: -2.660+/-0.059 χ^2/NDF: 2005.4/25

Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.509+/-0.079 χ^2/NDF:3071.5/27

Out: -2.706+/-0.078 χ^2/NDF:2065.1/32

All: -2.608+/-0.055 χ^2/NDF: 5139.7/60



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 26.639+/-0.116 χ^2/NDF:2546.9/13

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 24.775+/-0.118 χ^2/NDF:3087.1/11

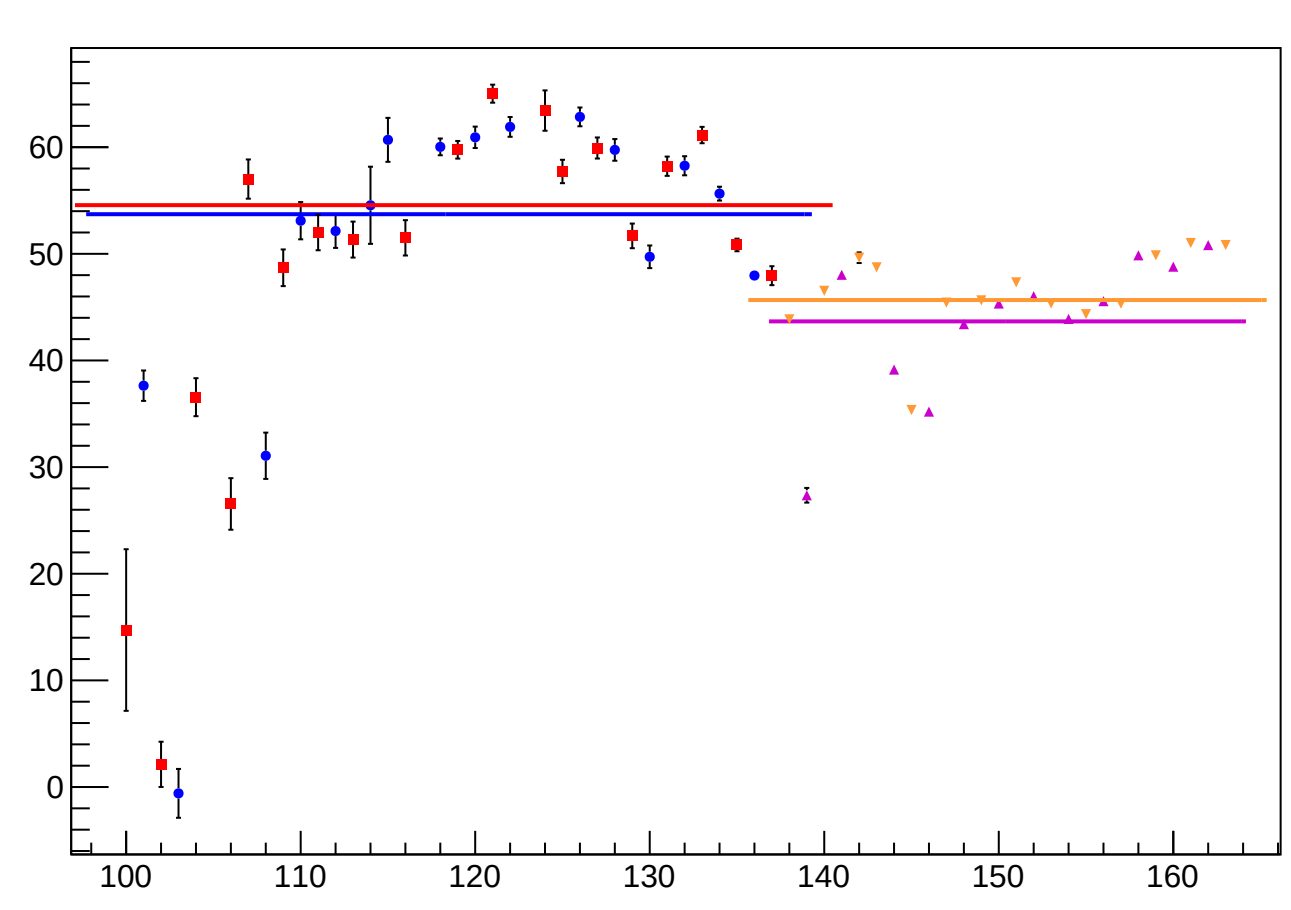
Left: 25.724+/-0.083 χ^2/NDF: 5761.2/25

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.963+/-0.105 χ^2/NDF:8918.7/27

Out: 29.081+/-0.105 χ^2/NDF:7764.6/32

All: 28.522+/-0.074 χ^2/NDF: 16739.8/60



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 45.666+/-0.097 χ^2/NDF:2601.8/13

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 43.664+/-0.098 χ^2/NDF:3460.5/11

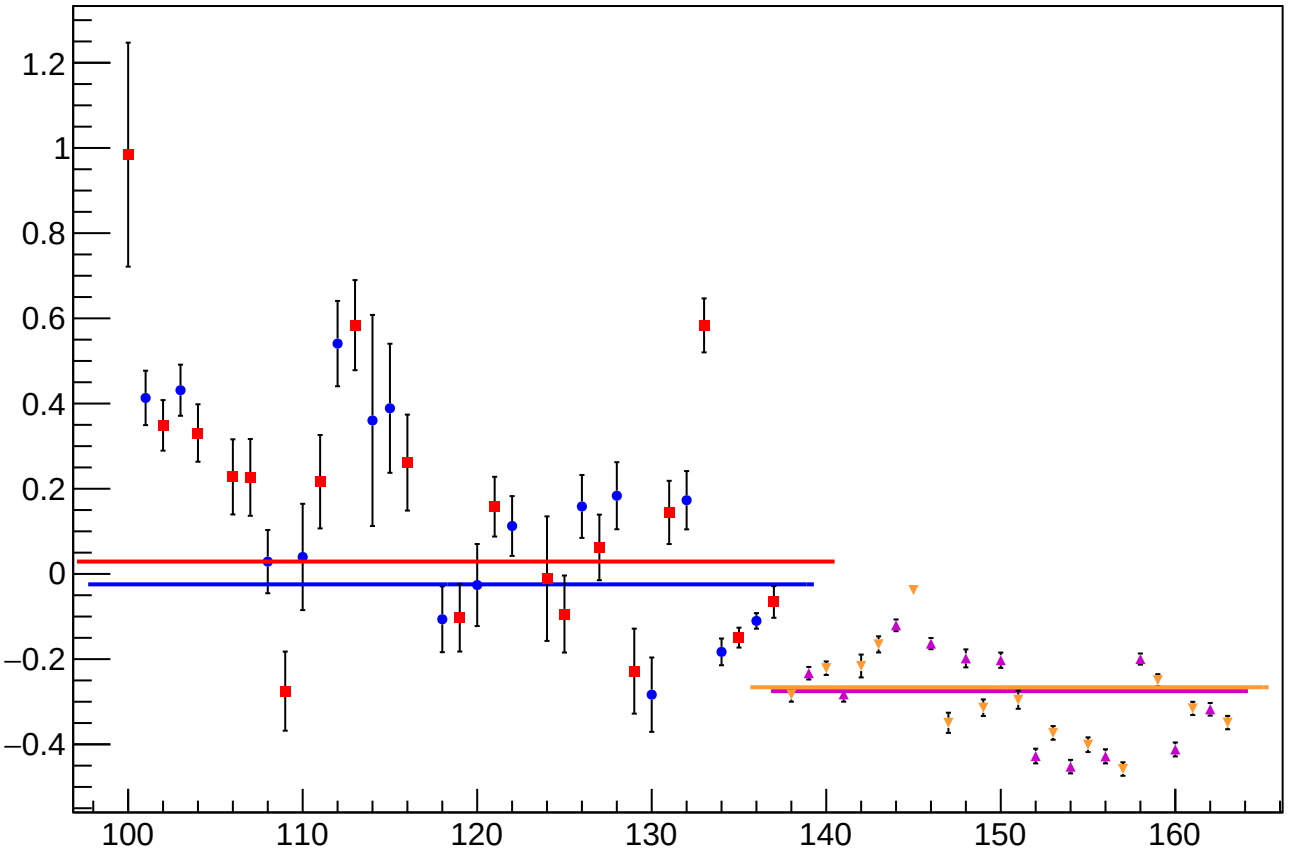
Left: 44.681+/-0.069 χ^2/NDF: 6272.9/25

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 45.119+/-0.091 χ^2/NDF:6335.7/27

Out: 46.777+/-0.090 χ^2/NDF:5000.9/32

All: 45.952+/-0.064 χ^2/NDF: 11503.7/60



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.266+/-0.004 χ^2/NDF:800.9/13

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.275+/-0.004 χ^2/NDF:634.2/11

Left: -0.270+/-0.003 χ^2/NDF: 1437.2/25

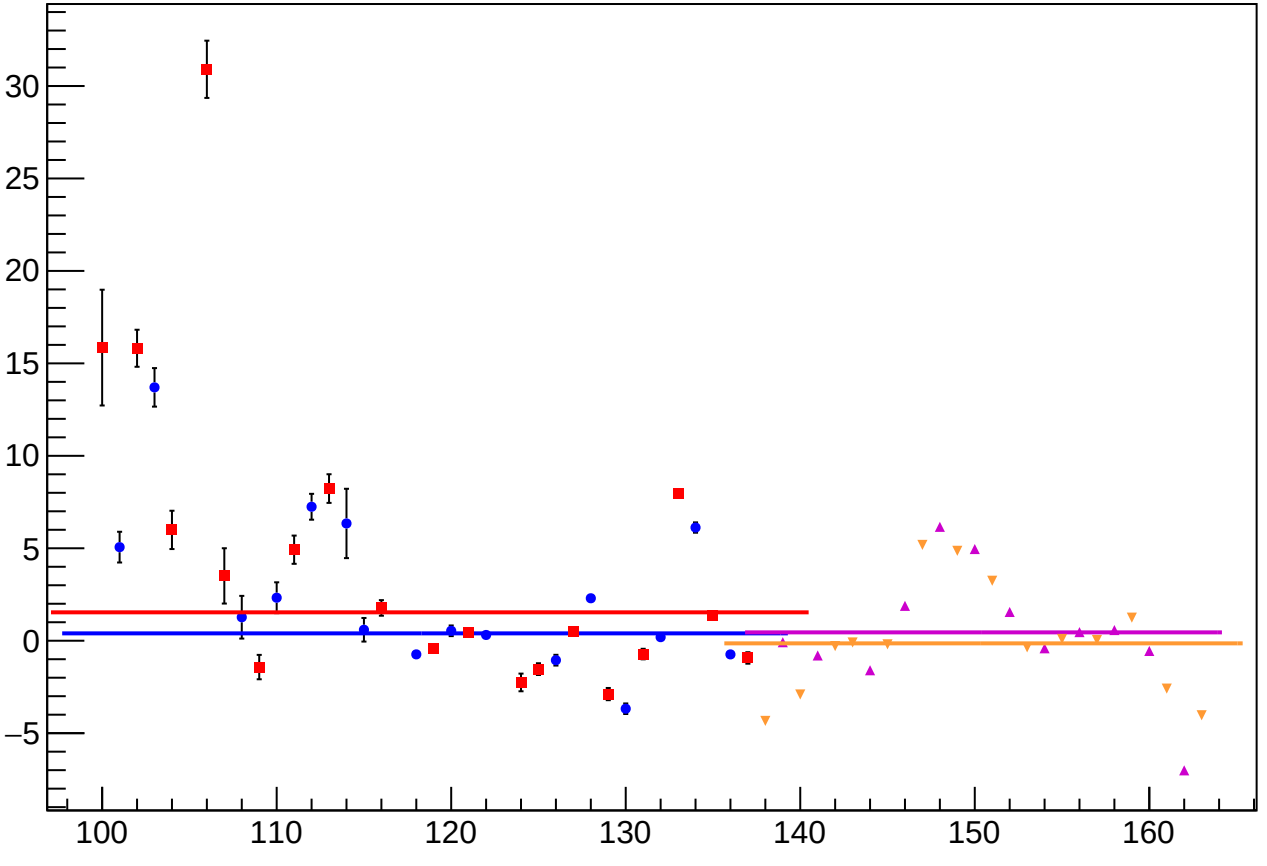
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.248+/-0.004 χ^2/NDF:1205.1/27

Out: -0.240+/-0.004 χ^2/NDF:1468.7/32

All: -0.244+/-0.003 χ^2/NDF: 2675.4/60

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.142+/-0.044 χ^2/NDF:3848.2/13

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 0.452+/-0.045 χ^2/NDF:4084.7/11

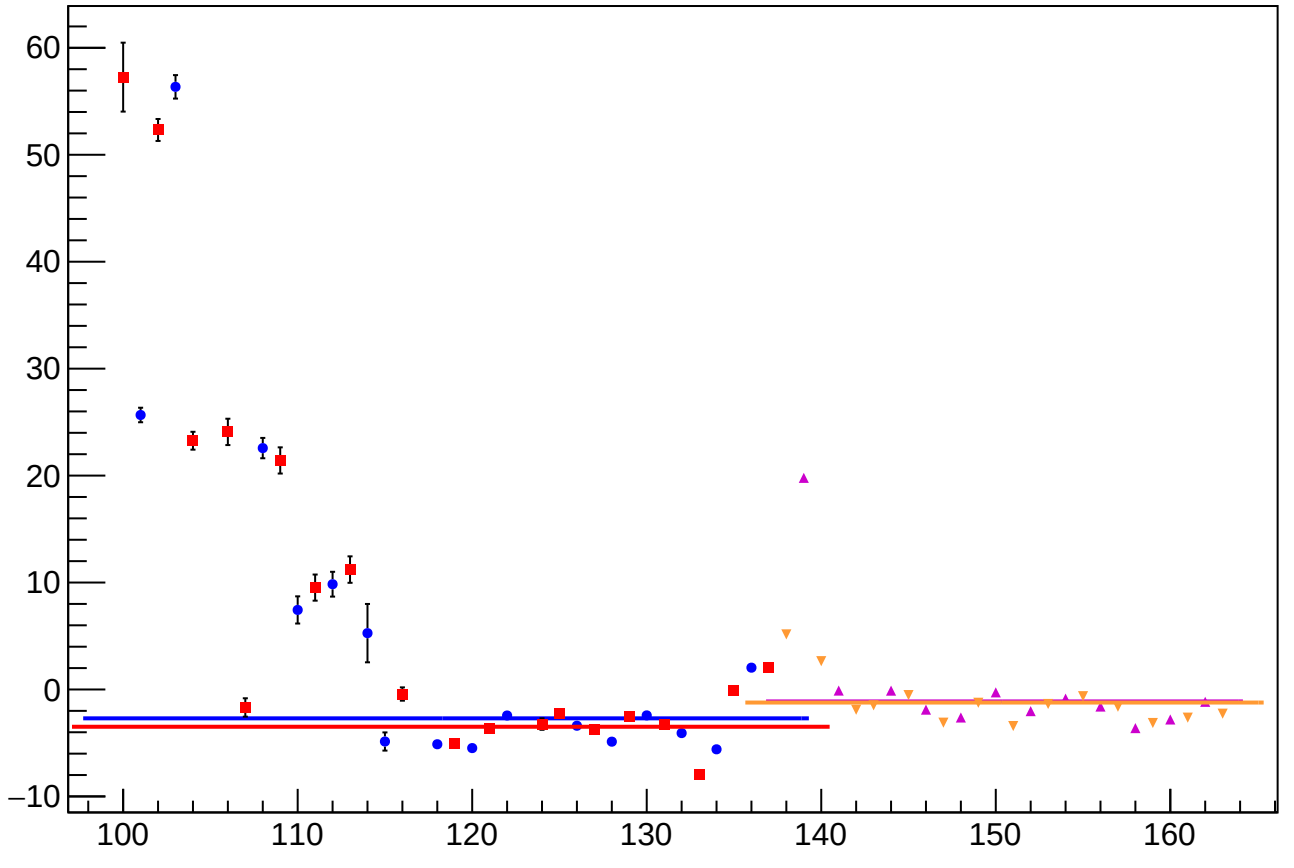
Left: 0.150+/-0.032 χ^2/NDF: 8020.8/25

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.438+/-0.039 χ^2/NDF:5182.5/27

Out: 0.268+/-0.039 χ^2/NDF:6607.4/32

All: 0.352+/-0.027 χ^2/NDF: 11799.5/60



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.221+/-0.031 χ^2/NDF:4171.5/13

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.116+/-0.031 χ^2/NDF:8063.7/11

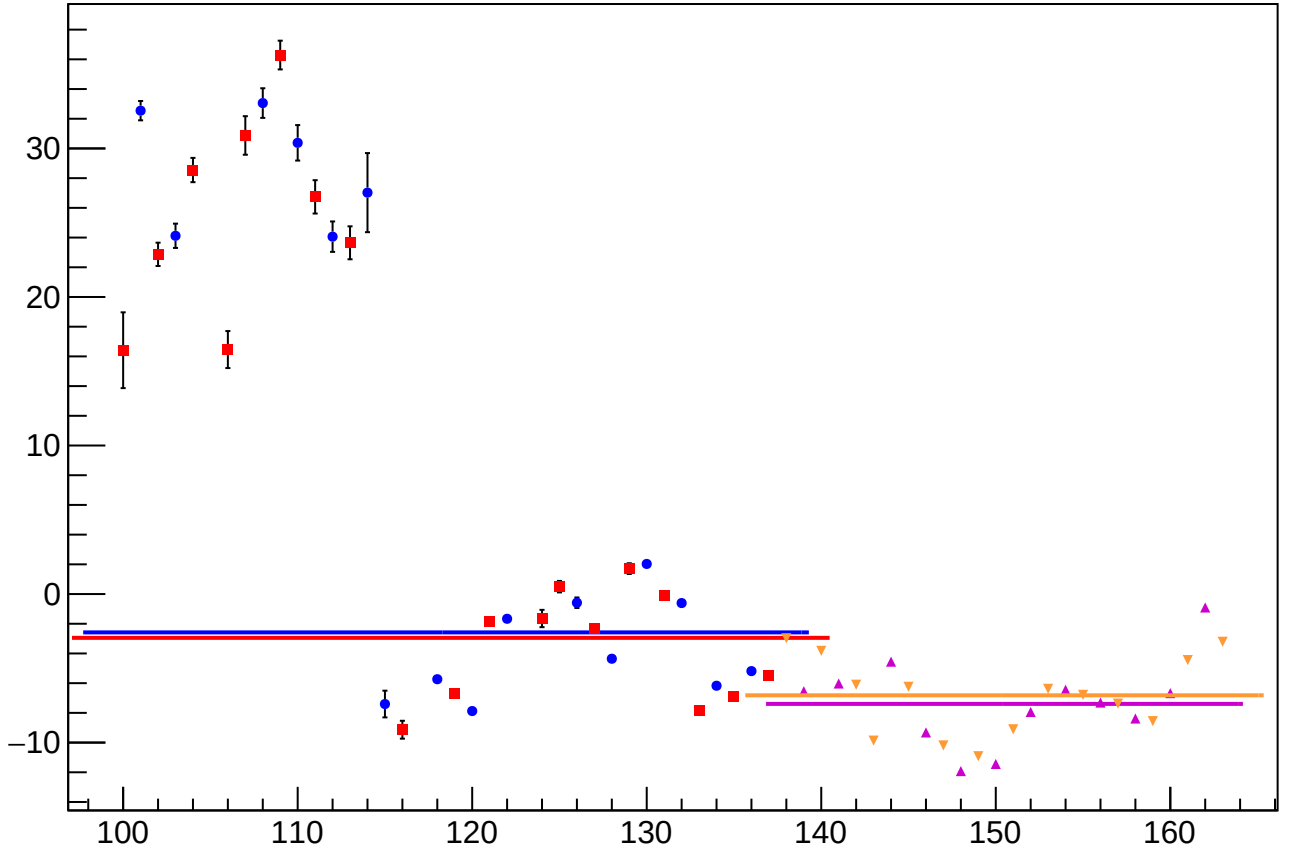
Left: -1.169+/-0.022 χ^2/NDF: 12240.9/25

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.378+/-0.029 χ^2/NDF:15585.7/27

Out: -1.591+/-0.029 χ^2/NDF:12185.8/32

All: -1.485+/-0.020 χ^2/NDF: 27799.2/60



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.818+/-0.044 χ^2/NDF:3367.9/13

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.396+/-0.044 χ^2/NDF:3941.4/11

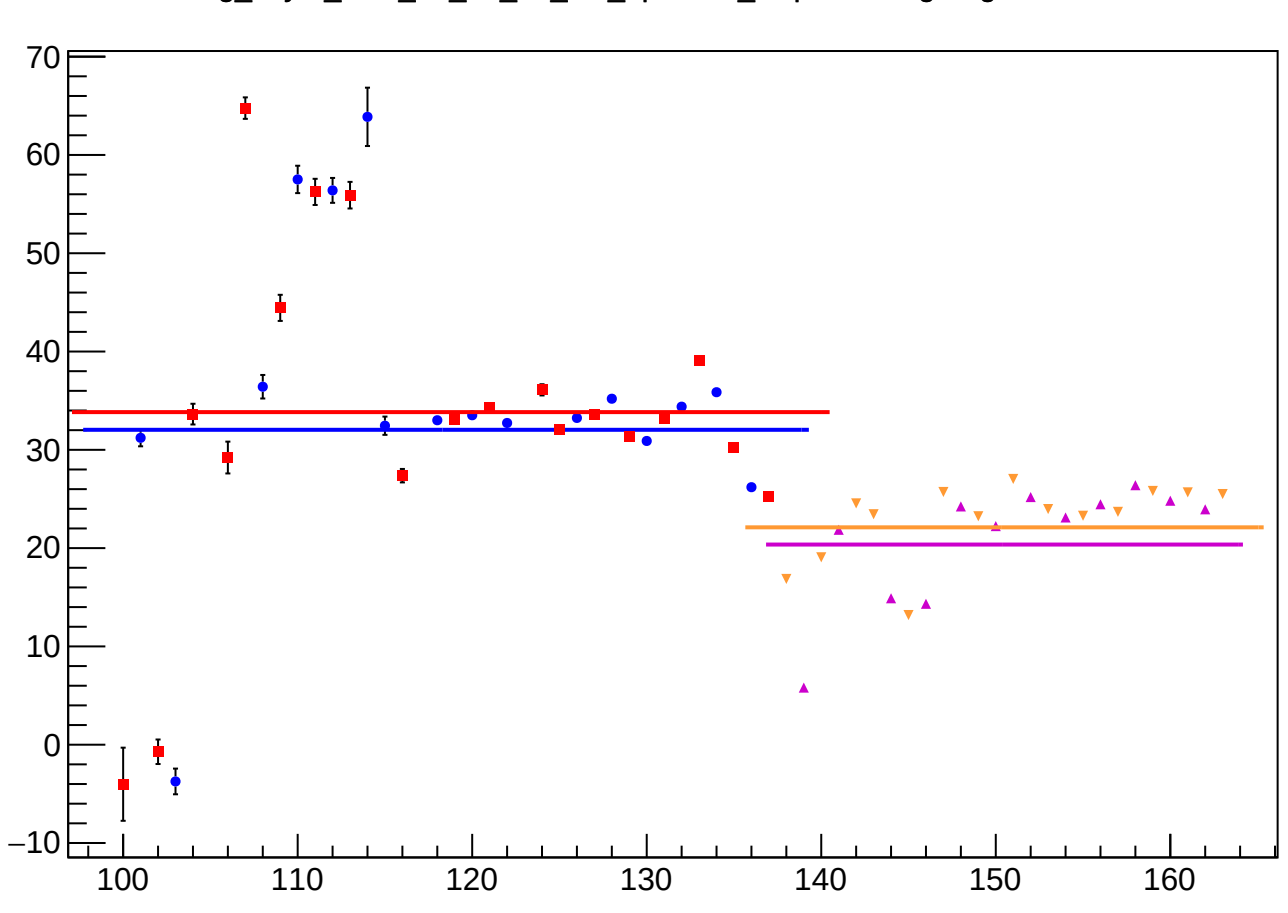
Left: -7.105+/-0.031 χ^2/NDF: 7396.3/25

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.344+/-0.039 χ^2/NDF:14724.9/27

Out: -6.010+/-0.039 χ^2/NDF:13206.6/32

All: -6.177+/-0.027 χ^2/NDF: 27968.5/60



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 22.114+/-0.037 χ^2/NDF:15467.3/13

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 20.363+/-0.037 χ^2/NDF:18610.2/11

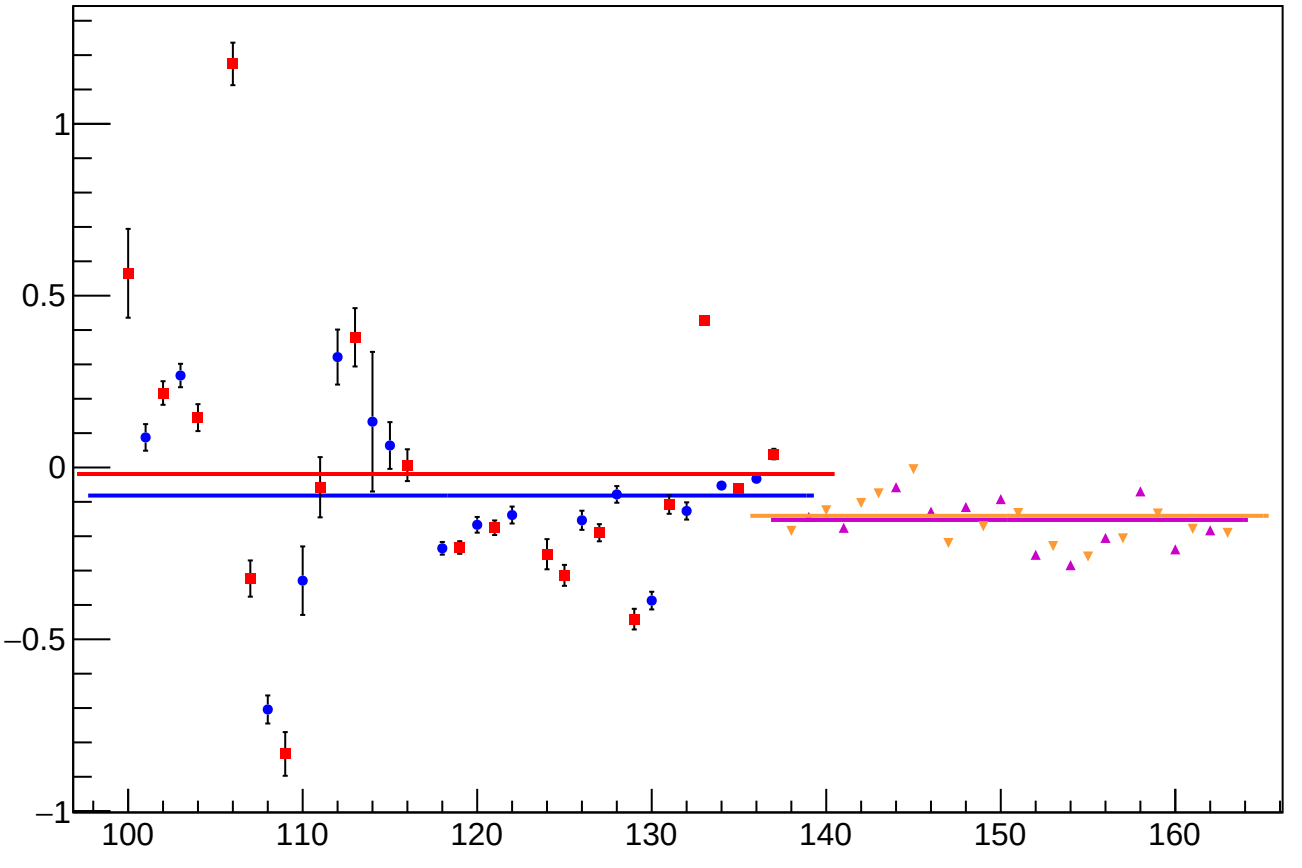
Left: 21.244+/-0.026 χ^2/NDF: 35209.5/25

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 22.360+/-0.034 χ^2/NDF:38966.0/27

Out: 24.085+/-0.033 χ^2/NDF:36866.2/32

All: 23.226+/-0.024 χ^2/NDF: 77155.3/60



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.141+/-0.002 χ^2/NDF:2143.8/13

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.153+/-0.002 χ^2/NDF:1664.7/11

Left: -0.147+/-0.001 χ^2/NDF: 3834.1/25

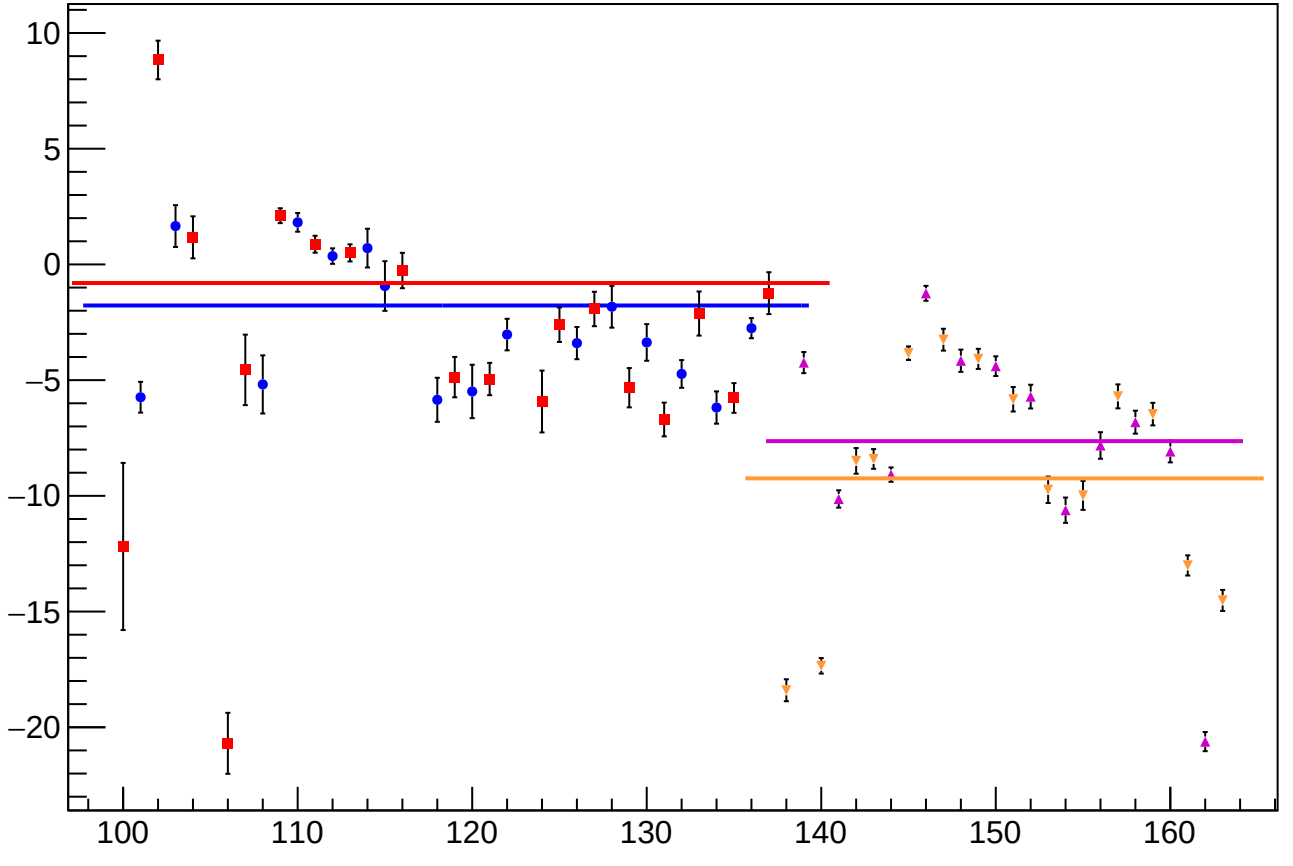
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.145+/-0.002 χ^2/NDF:2546.3/27

Out: -0.129+/-0.002 χ^2/NDF:4912.4/32

All: -0.137+/-0.001 χ^2/NDF: 7507.8/60

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.245+/-0.119 χ^2/NDF:1936.1/13

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -7.636+/-0.123 χ^2/NDF:1656.1/11

Left: -8.466+/-0.085 χ^2/NDF: 3680.7/25

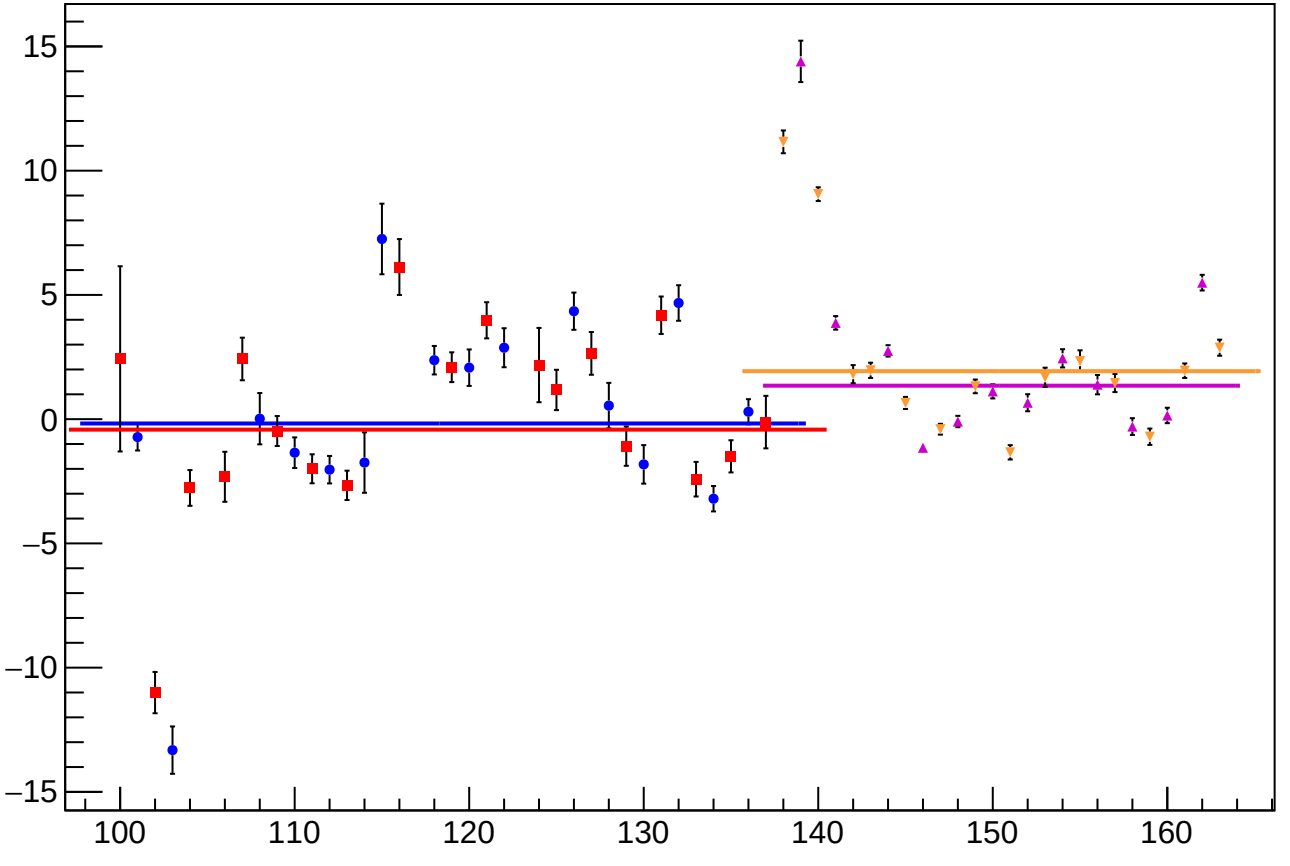
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -5.414+/-0.097 χ^2/NDF:2817.8/27

Out: -5.941+/-0.093 χ^2/NDF:4641.5/32

All: -5.689+/-0.067 χ^2/NDF: 7474.7/60

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.932+/-0.082 χ^2/NDF:1418.3/13

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.347+/-0.083 χ^2/NDF:798.3/11

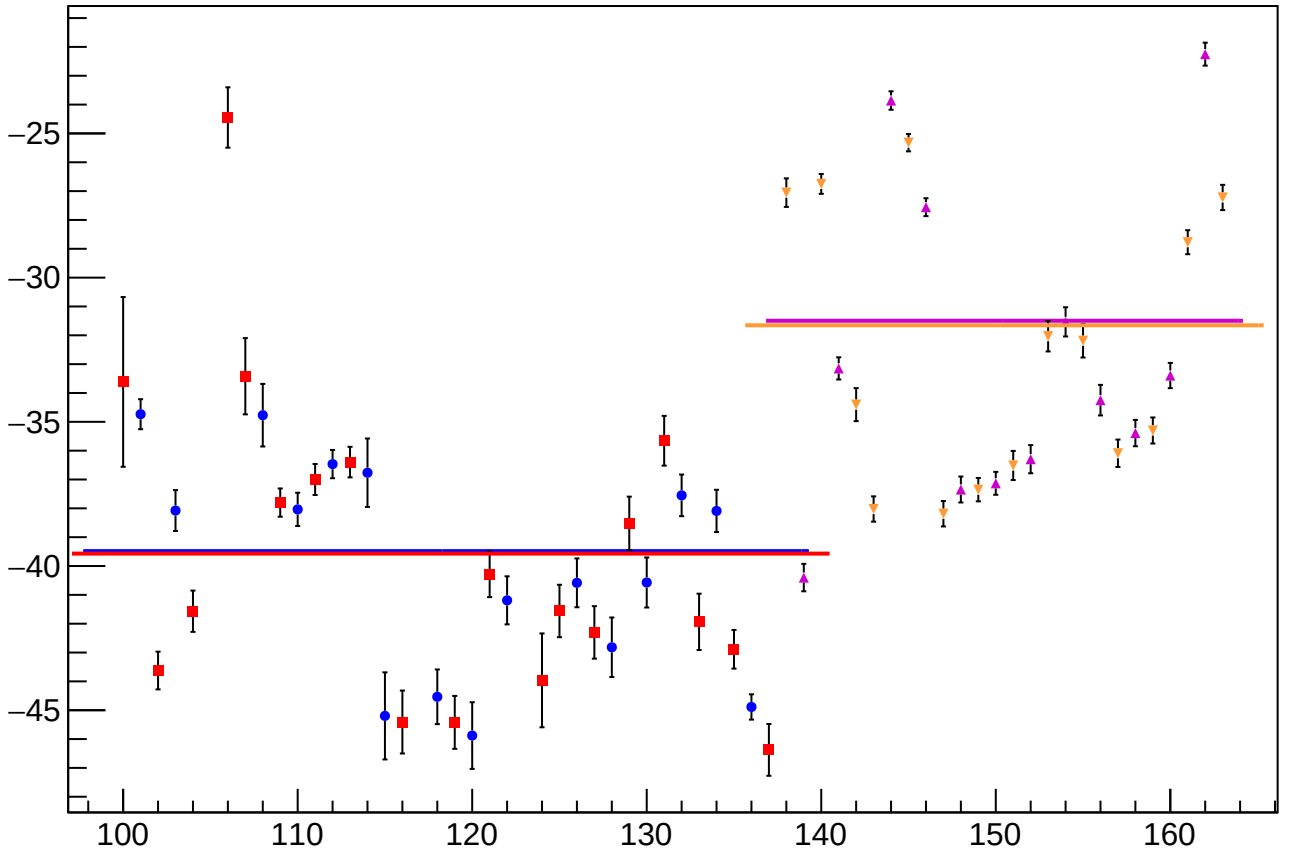
Left: 1.645+/-0.058 χ^2/NDF: 2241.6/25

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.060+/-0.075 χ^2/NDF:1264.2/27

Out: 1.518+/-0.074 χ^2/NDF:1929.9/32

All: 1.292+/-0.053 χ^2/NDF: 3212.9/60



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -31.653+/-0.116 χ^2/NDF:1778.5/13

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -31.495+/-0.119 χ^2/NDF:2224.8/11

Left: -31.576+/-0.083 χ^2/NDF: 4004.1/25

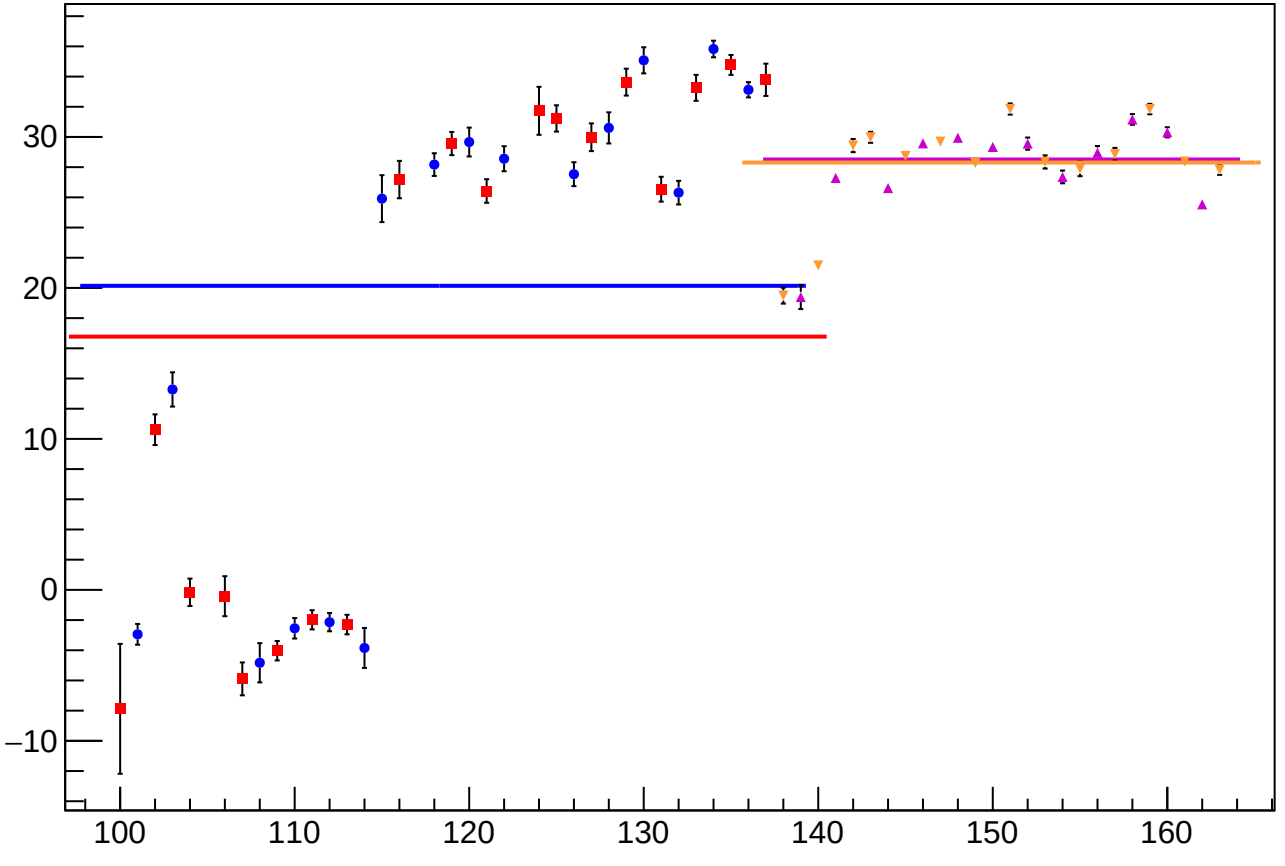
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -33.922+/-0.099 χ^2/NDF:4001.9/27

Out: -33.971+/-0.098 χ^2/NDF:3685.3/32

All: -33.947+/-0.070 χ^2/NDF: 7687.3/60

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: 28.307+/-0.096 χ^2/NDF:949.6/13

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.508+/-0.098 χ^2/NDF:421.5/11

Left: 28.405+/-0.069 χ^2/NDF: 1373.3/25

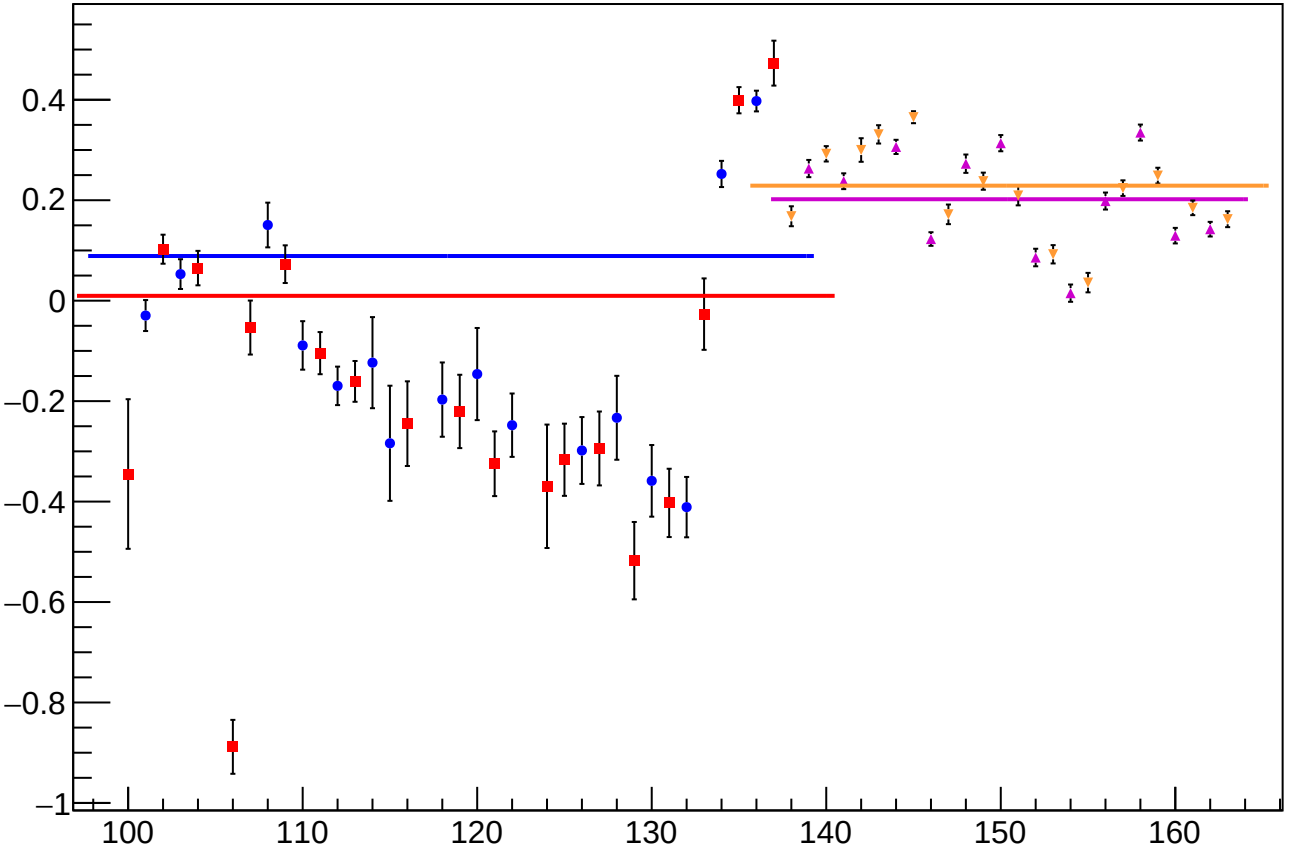
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.814+/-0.088 χ^2/NDF:8579.3/27

Out: 26.139+/-0.087 χ^2/NDF:10396.1/32

All: 26.472+/-0.062 χ^2/NDF: 19005.5/60

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: 0.229+/-0.004 χ^2/NDF:390.9/13

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.202+/-0.005 χ^2/NDF:440.1/11

Left: 0.216+/-0.003 χ^2/NDF: 848.8/25

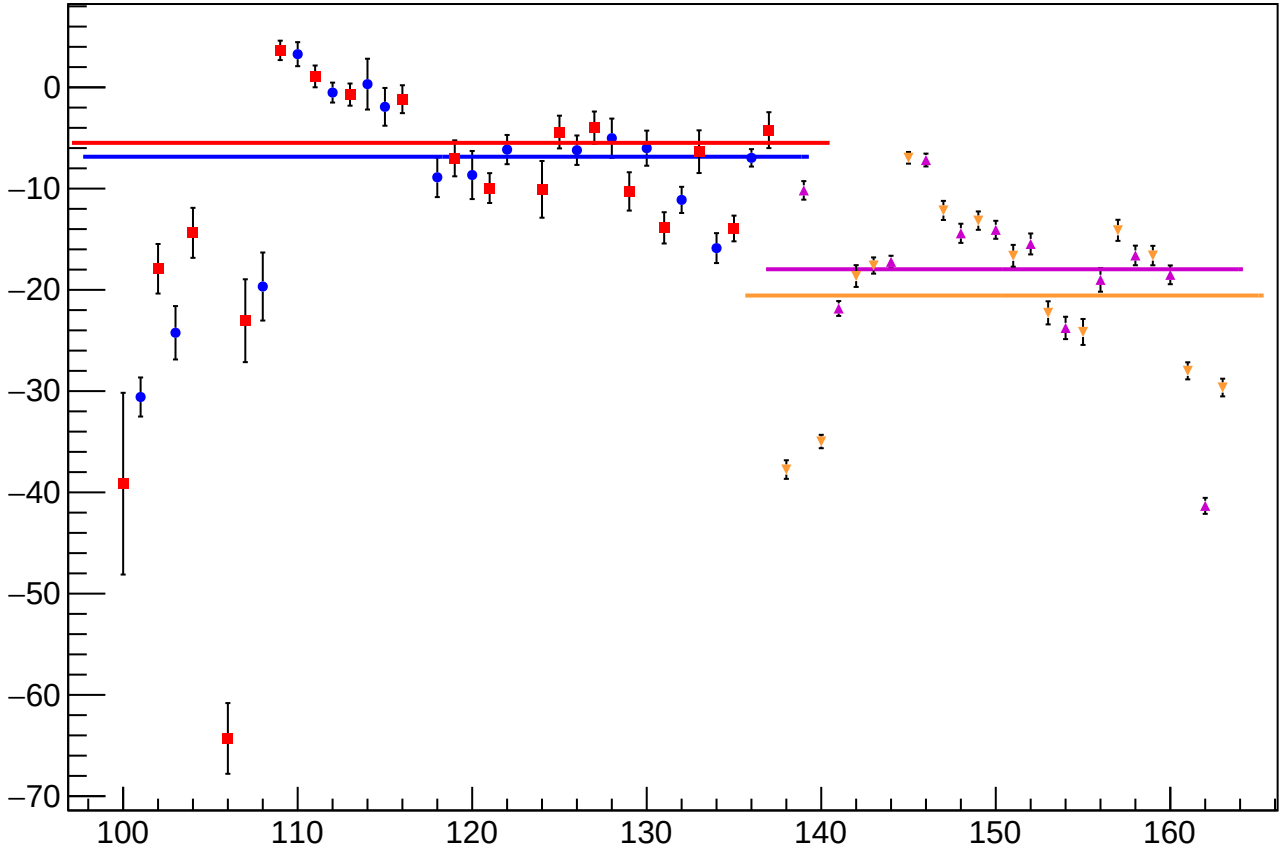
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.184+/-0.004 χ^2/NDF:1102.8/27

Out: 0.198+/-0.004 χ^2/NDF:1565.9/32

All: 0.191+/-0.003 χ^2/NDF: 2674.6/60

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -20.560+/-0.234 χ^2/NDF:1810.0/13

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -17.966+/-0.243 χ^2/NDF:1335.8/11

Left: -19.307+/-0.169 χ^2/NDF: 3205.0/25

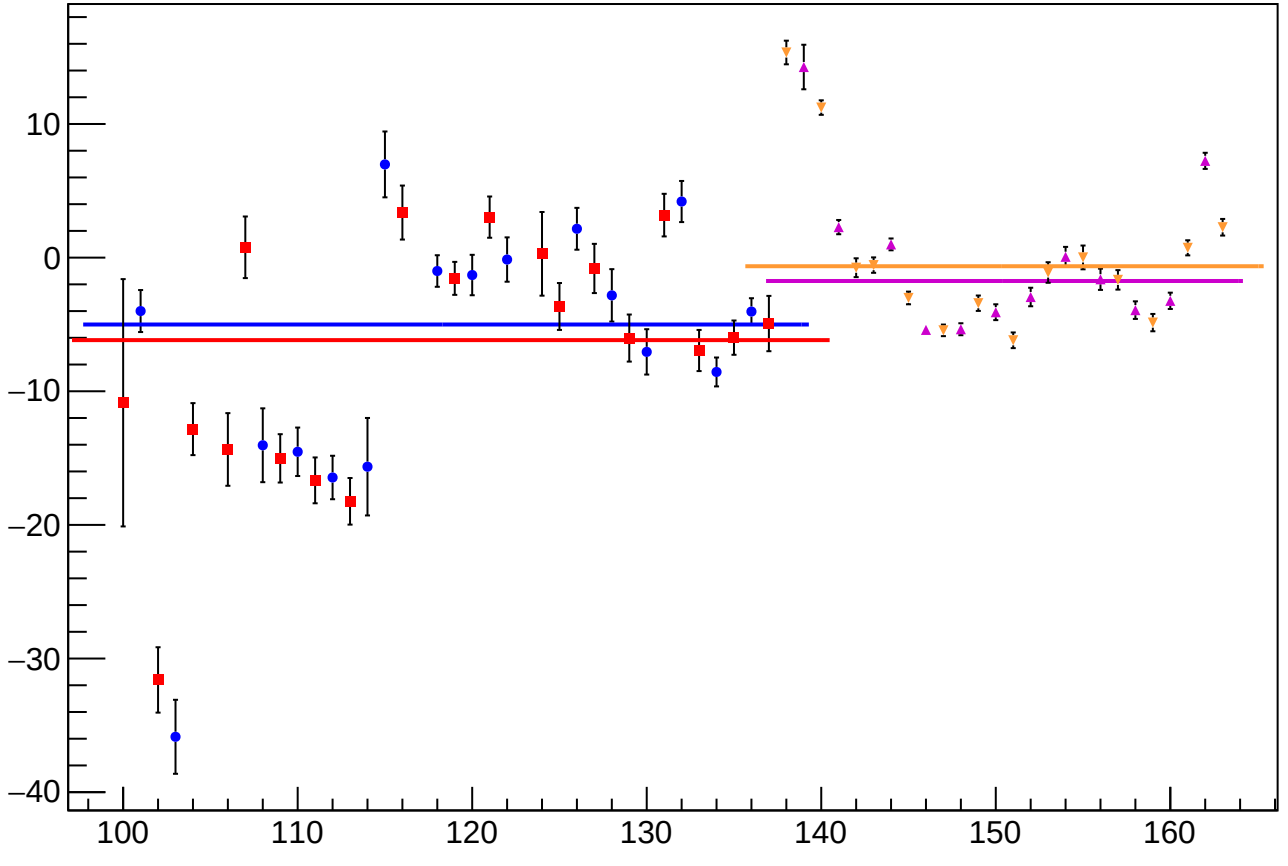
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -14.696+/-0.204 χ^2/NDF:2343.7/27

Out: -16.225+/-0.198 χ^2/NDF:3606.0/32

All: -15.483+/-0.142 χ^2/NDF: 5978.7/60

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.644+/-0.162 χ^2/NDF:1135.4/13

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -1.748+/-0.164 χ^2/NDF:611.2/11

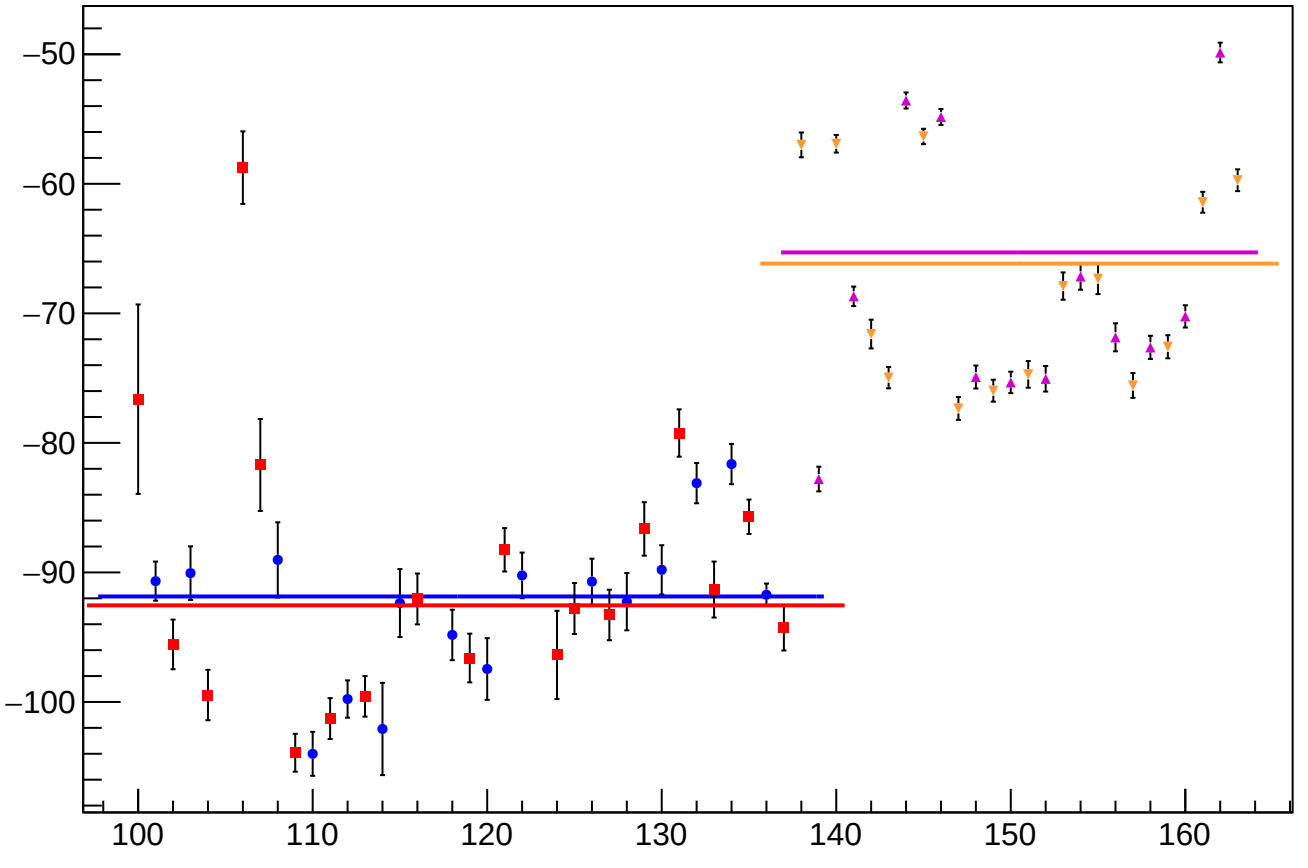
Left: -1.188+/-0.115 χ^2/NDF: 1769.5/25

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

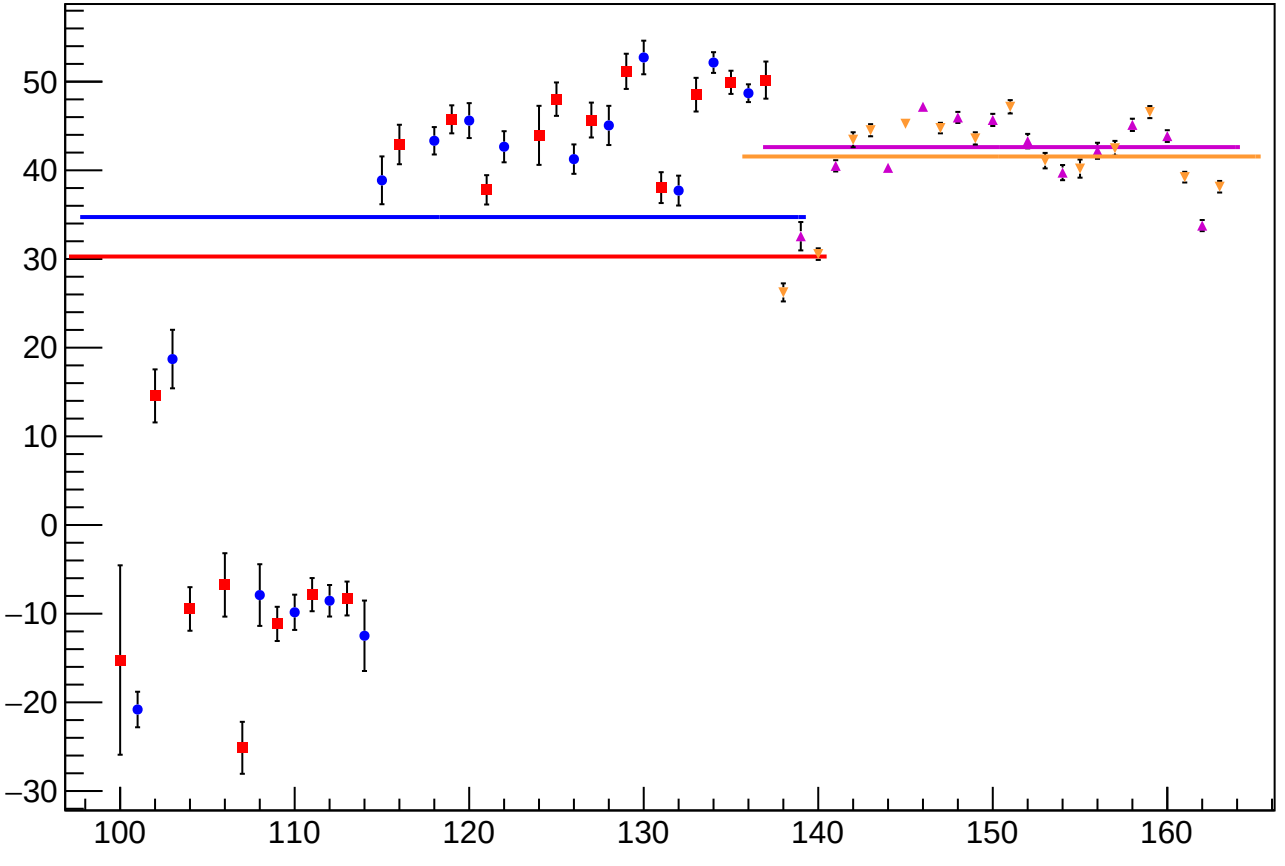
In: -2.227+/-0.152 χ^2/NDF:1010.8/27

Out: -1.368+/-0.151 χ^2/NDF:1657.6/32

All: -1.795+/-0.107 χ^2/NDF: 2684.6/60


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
Right In: -91.856+/-0.424 χ²/NDF: 177.3/15
Left Out: -66.160+/-0.230 χ²/NDF:1299.3/13
Right Out: -92.544+/-0.439 χ²/NDF: 387.8/18
Left In: -65.298+/-0.235 χ²/NDF:1924.4/11
Left: -65.739+/-0.164 χ²/NDF: 3230.5/25
Right: -92.188+/-0.305 χ²/NDF: 566.3/34
In: -71.552+/-0.206 χ²/NDF:5100.5/27
Out: -71.833+/-0.204 χ²/NDF:4519.2/32
All: -71.694+/-0.145 χ²/NDF: 9620.7/60

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.559+/-0.190 χ^2/NDF:770.4/13

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 42.618+/-0.193 χ^2/NDF:440.5/11

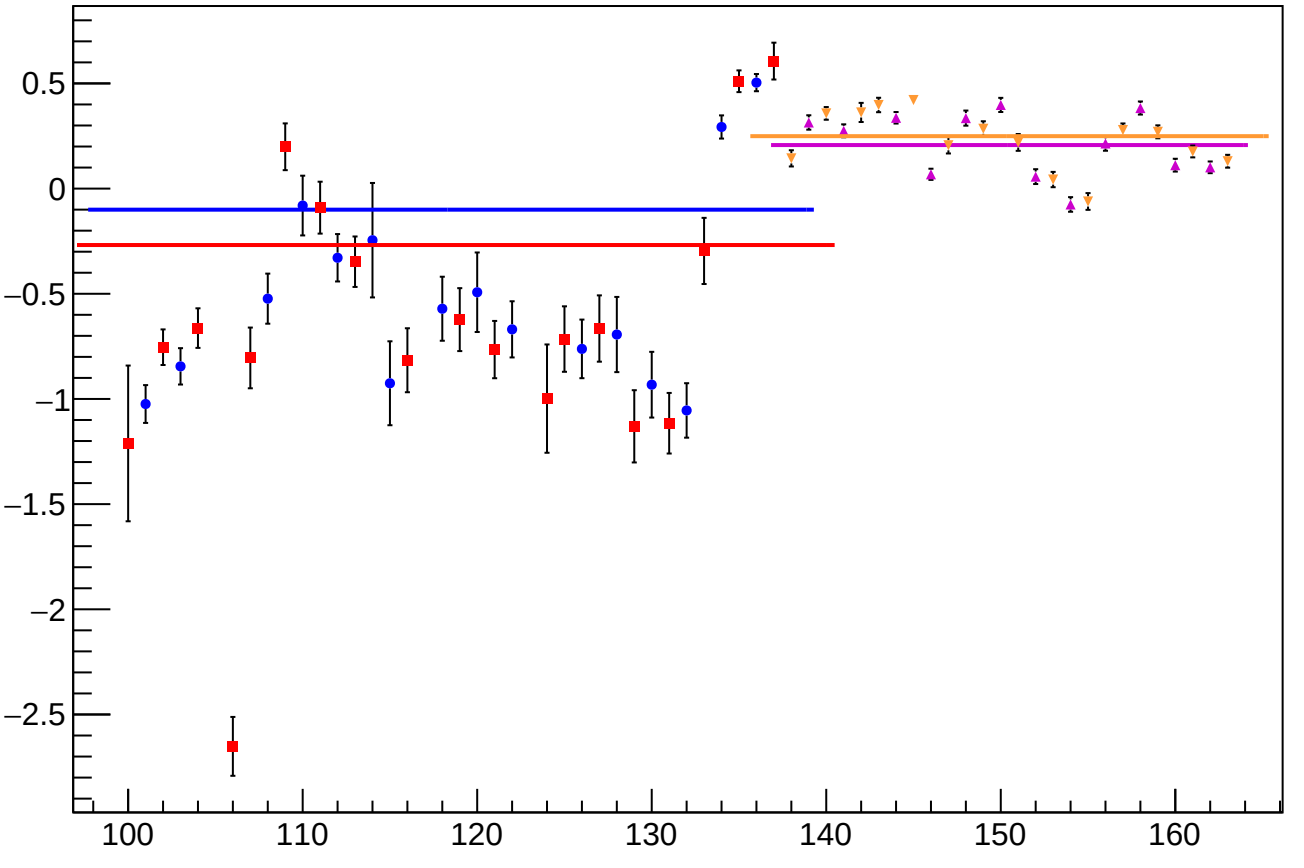
Left: 42.078+/-0.135 χ^2/NDF: 1226.2/25

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.351+/-0.177 χ^2/NDF:3517.2/27

Out: 39.964+/-0.176 χ^2/NDF:4182.2/32

All: 40.652+/-0.125 χ^2/NDF: 7730.3/60



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.249+/-0.009 χ^2/NDF:217.5/13

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.207+/-0.009 χ^2/NDF:249.9/11

Left: 0.229+/-0.006 χ^2/NDF: 478.5/25

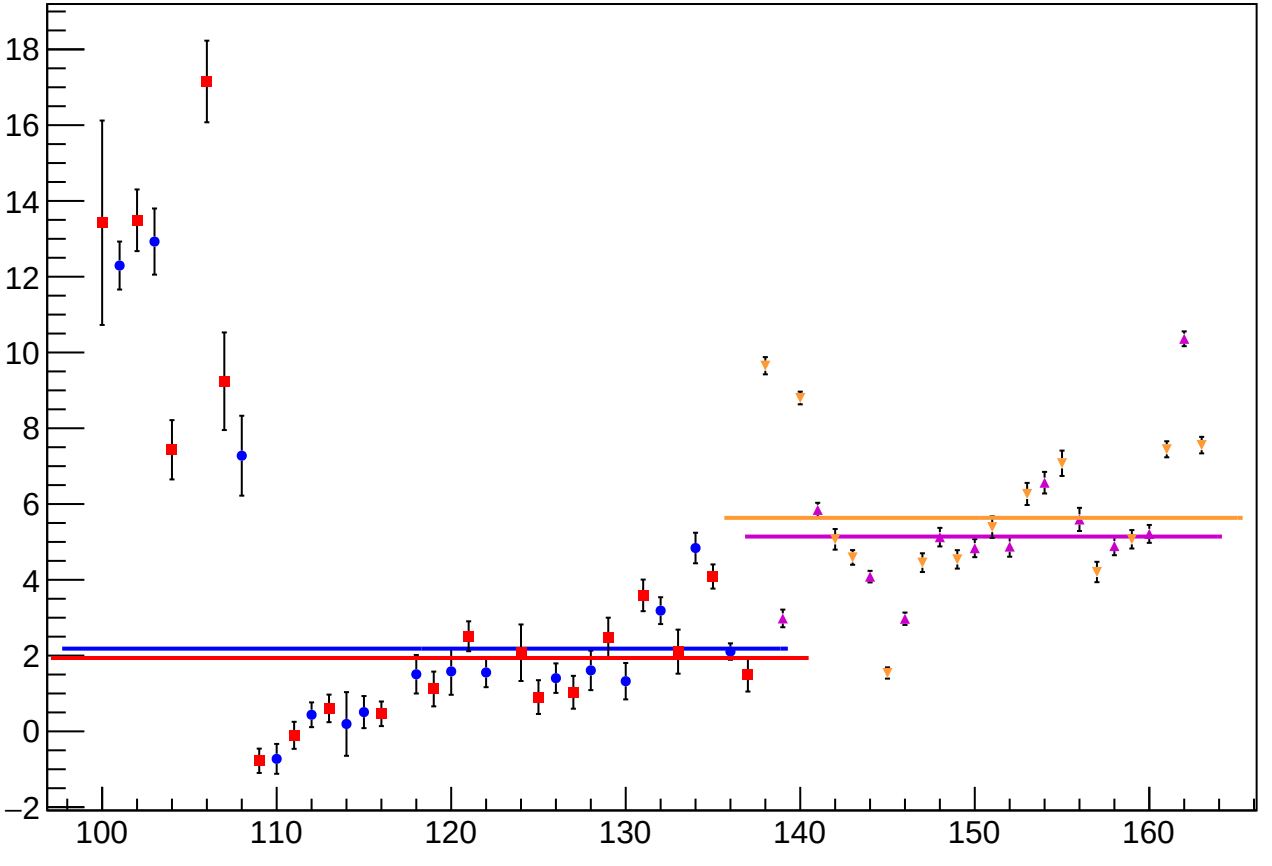
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.169+/-0.008 χ^2/NDF:1024.5/27

Out: 0.197+/-0.008 χ^2/NDF:1386.7/32

All: 0.183+/-0.006 χ^2/NDF: 2416.8/60

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.636+/-0.060 χ^2/NDF:1710.4/13

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.142+/-0.062 χ^2/NDF:1067.3/11

Left: 5.398+/-0.043 χ^2/NDF: 2810.5/25

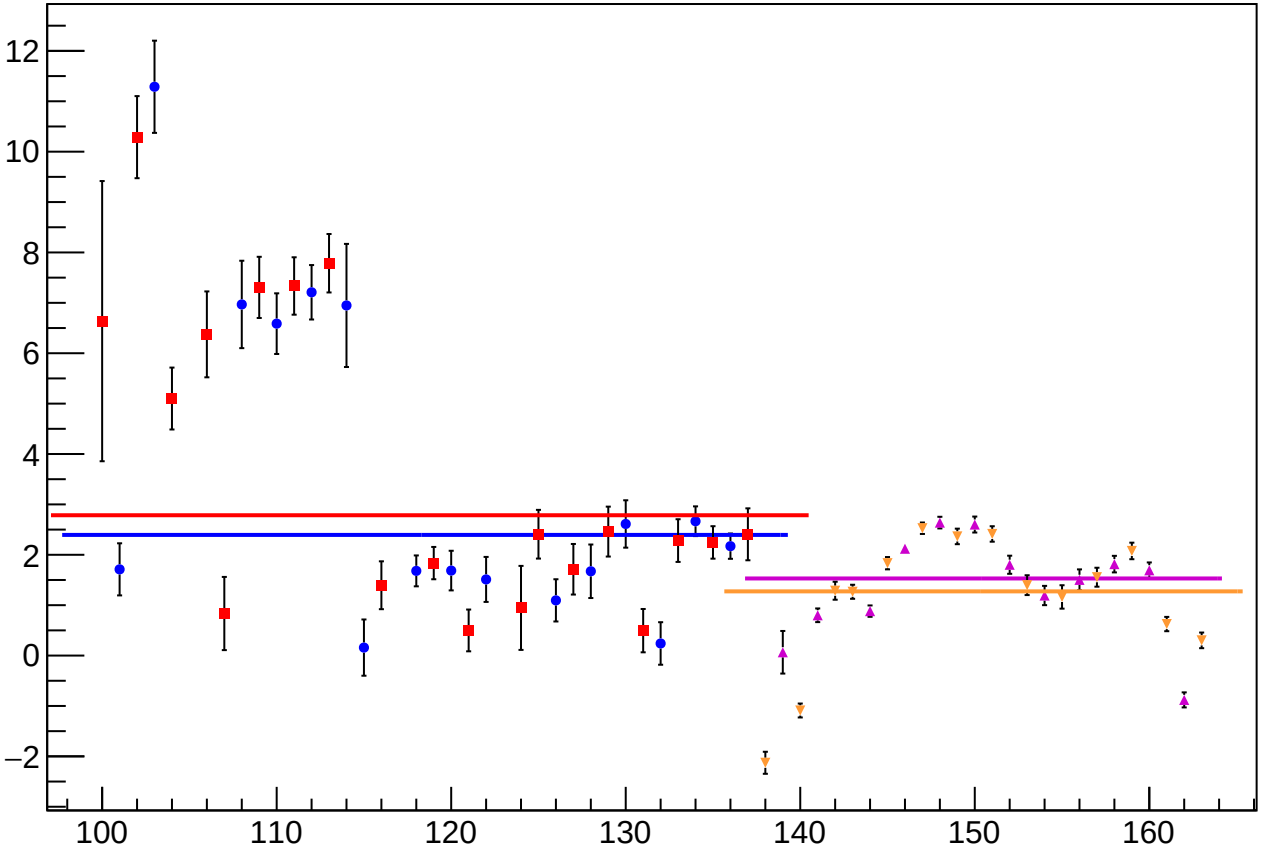
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 4.376+/-0.053 χ^2/NDF:2255.1/27

Out: 4.738+/-0.052 χ^2/NDF:3359.1/32

All: 4.562+/-0.037 χ^2/NDF: 5637.7/60

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.274+/-0.041 χ^2/NDF:869.0/13

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.530+/-0.042 χ^2/NDF:519.9/11

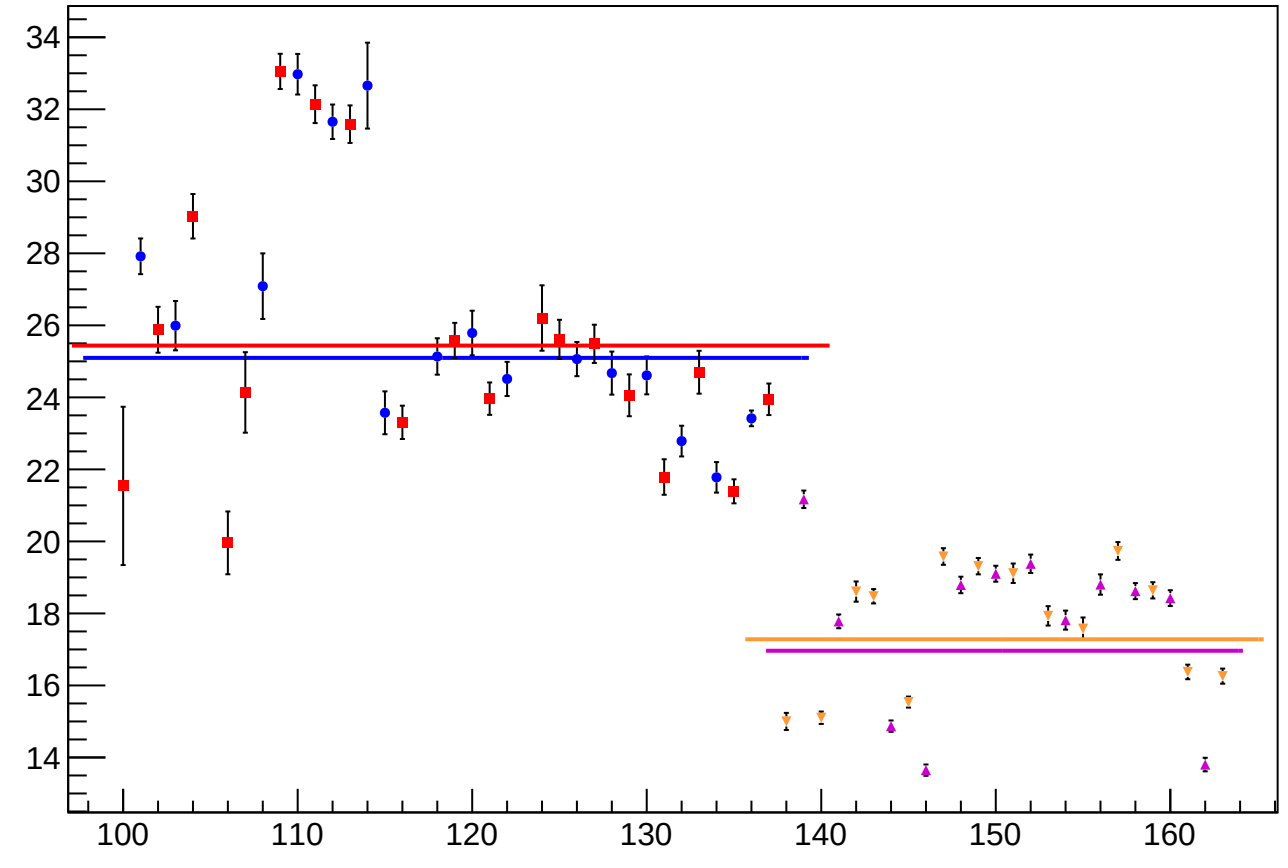
Left: 1.400+/-0.029 χ^2/NDF: 1407.8/25

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.643+/-0.039 χ^2/NDF:909.1/27

Out: 1.444+/-0.039 χ^2/NDF:1430.7/32

All: 1.543+/-0.028 χ^2/NDF: 2352.8/60



Right In: 25.096+/-0.118 χ^2/NDF: 622.9/15

Left Out: 17.282+/-0.059 χ^2/NDF:850.9/13

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.964+/-0.060 χ^2/NDF:1621.8/11

Left: 17.127+/-0.042 χ^2/NDF: 2486.9/25

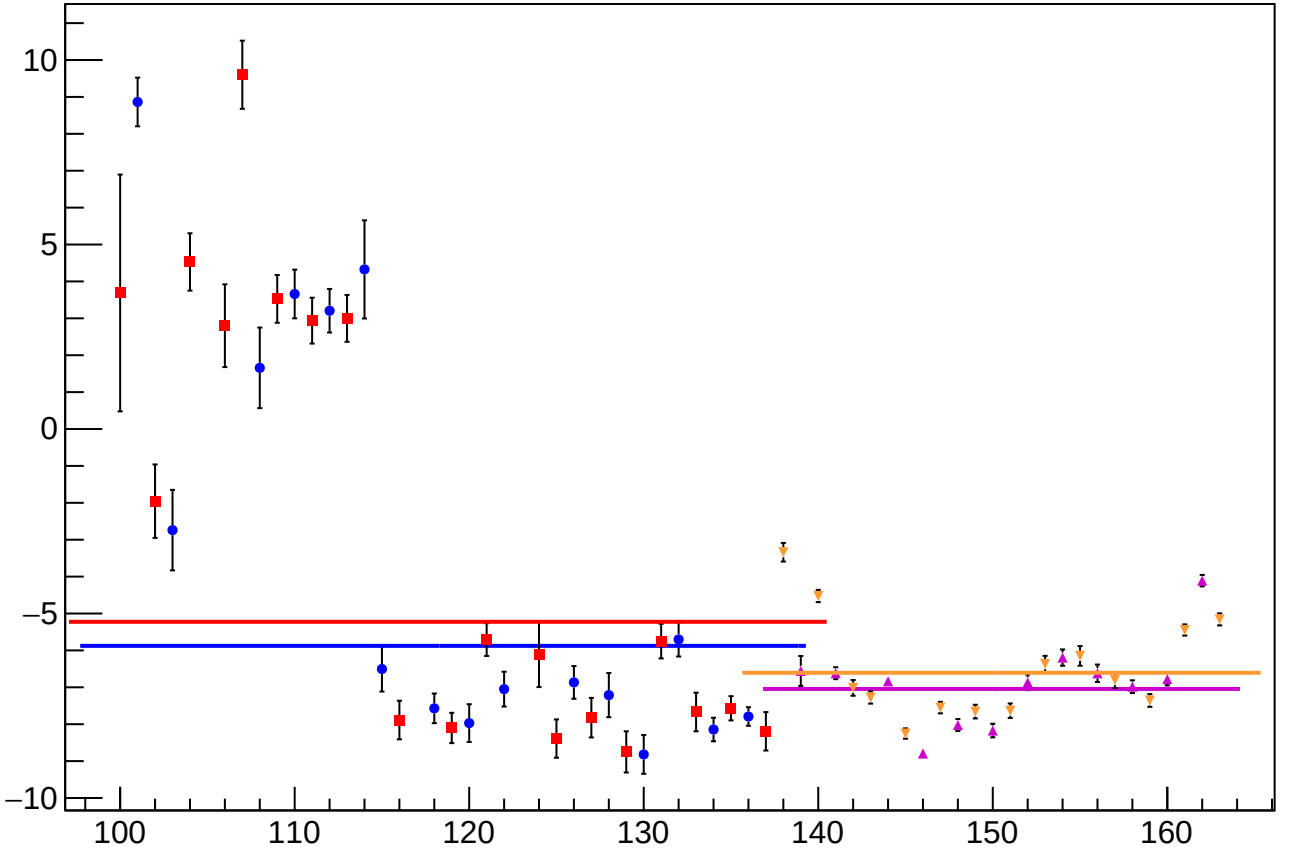
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 18.655+/-0.054 χ^2/NDF:6036.7/27

Out: 18.771+/-0.053 χ^2/NDF:5263.8/32

All: 18.713+/-0.038 χ^2/NDF: 11302.9/60

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.606+/-0.048 χ^2/NDF:740.0/13

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.045+/-0.049 χ^2/NDF:676.1/11

Left: -6.821+/-0.035 χ^2/NDF: 1456.4/25

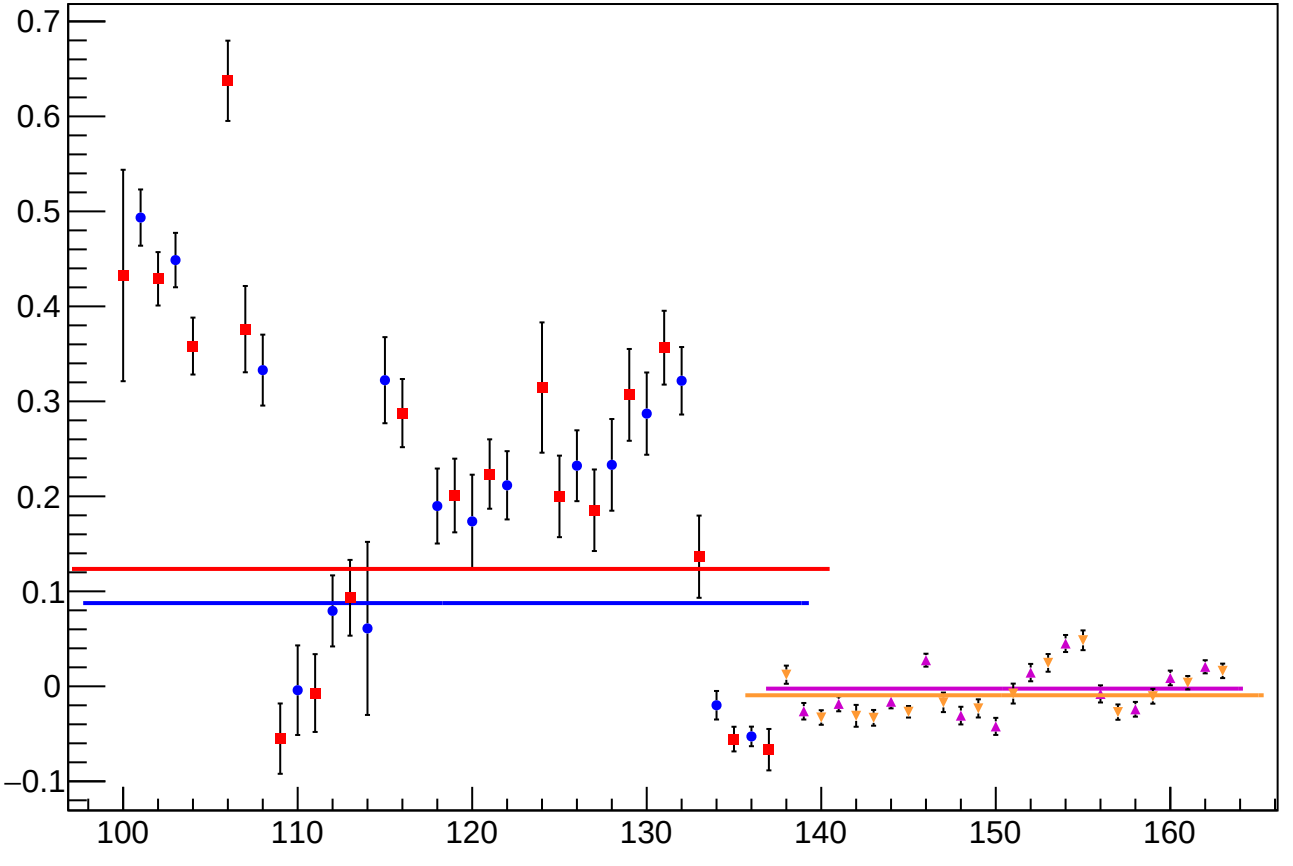
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.877+/-0.046 χ^2/NDF:2007.8/27

Out: -6.437+/-0.045 χ^2/NDF:2131.9/32

All: -6.655+/-0.032 χ^2/NDF: 4186.5/60

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.009+/-0.002 χ^2/NDF:101.2/13

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.002+/-0.002 χ^2/NDF:116.7/11

Left: -0.006+/-0.002 χ^2/NDF: 222.5/25

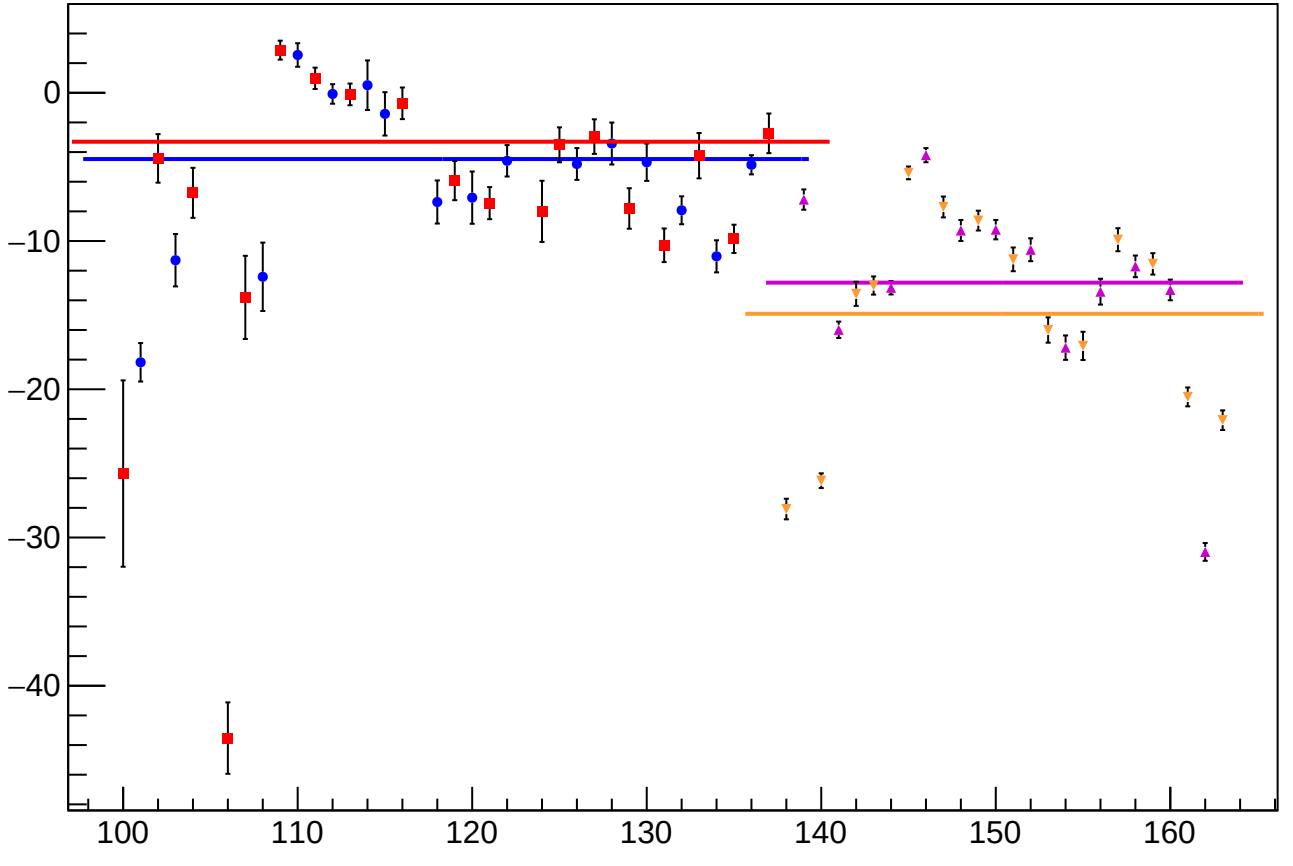
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.007+/-0.002 χ^2/NDF:1050.8/27

Out: 0.002+/-0.002 χ^2/NDF:1164.2/32

All: 0.005+/-0.002 χ^2/NDF: 2218.1/60

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.909+/-0.176 χ^2/NDF:1848.3/13

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -12.808+/-0.182 χ^2/NDF:1439.6/11

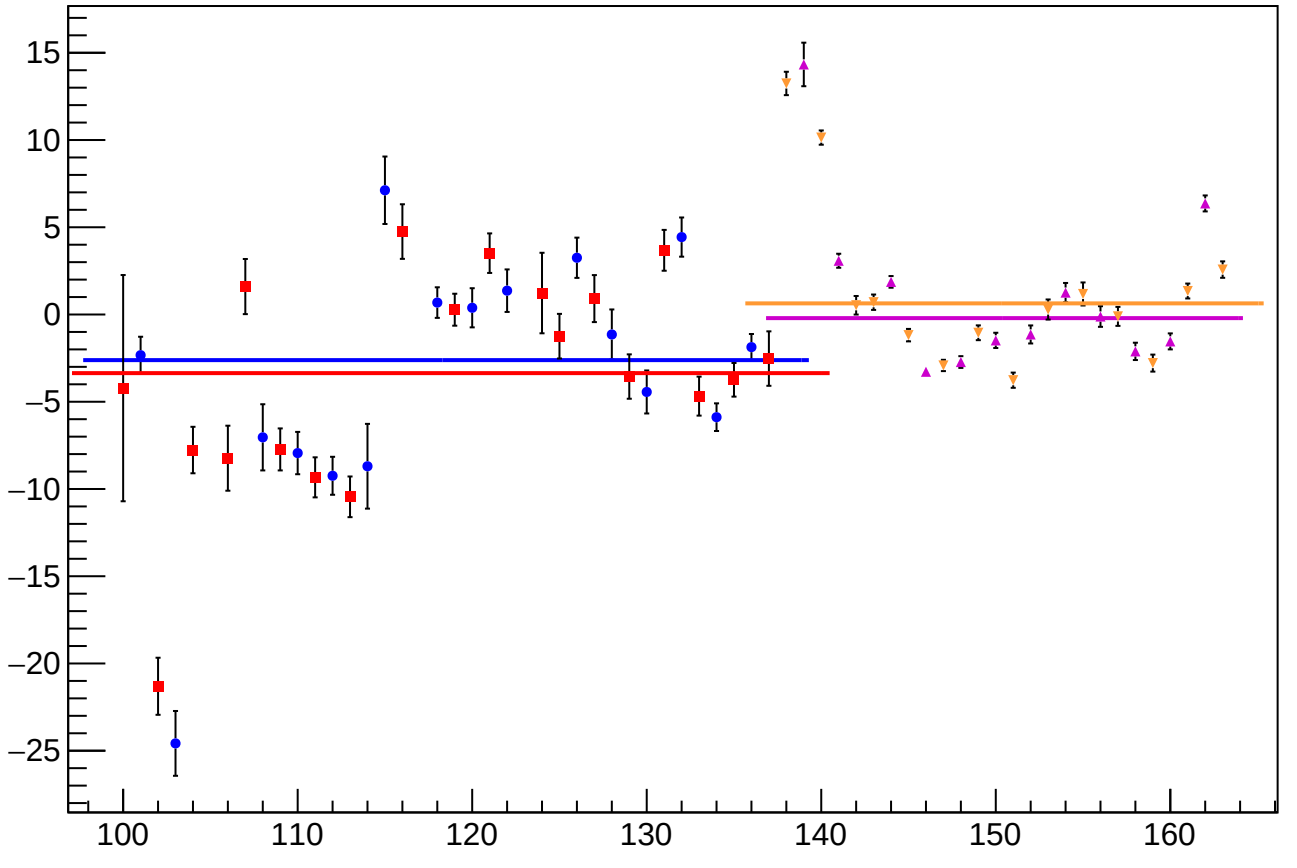
Left: -13.893+/-0.127 χ^2/NDF: 3356.9/25

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -10.183+/-0.151 χ^2/NDF:2432.4/27

Out: -11.277+/-0.146 χ^2/NDF:3793.7/32

All: -10.748+/-0.105 χ^2/NDF: 6253.3/60



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.638+/-0.121 χ^2/NDF:1229.7/13

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.207+/-0.123 χ^2/NDF:663.3/11

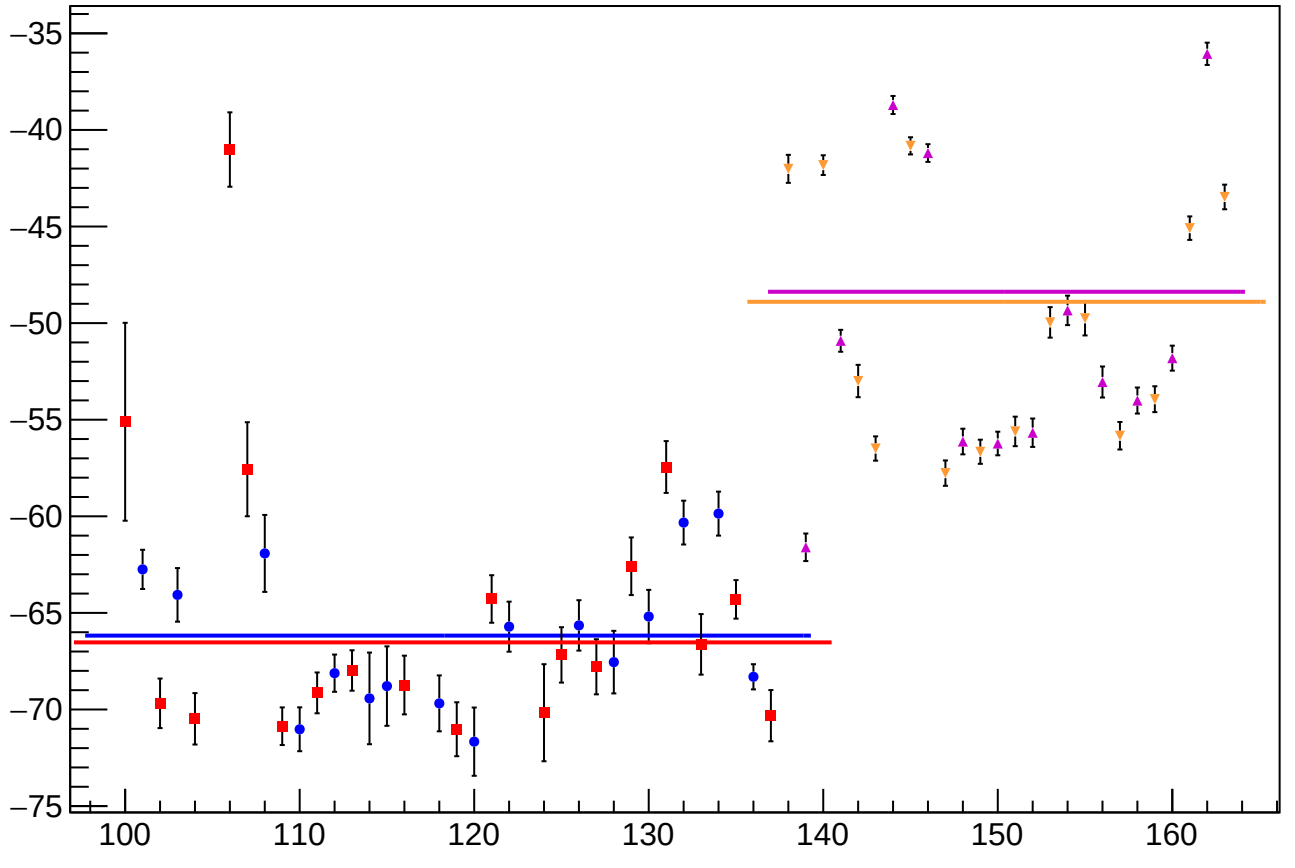
Left: 0.222+/-0.086 χ^2/NDF: 1916.9/25

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -0.585+/-0.113 χ^2/NDF:1075.0/27

Out: 0.072+/-0.112 χ^2/NDF:1743.0/32

All: -0.254+/-0.080 χ^2/NDF: 2835.0/60



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -48.896+/-0.173 χ^2/NDF:1461.5/13

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -48.377+/-0.177 χ^2/NDF:2028.2/11

Left: -48.643+/-0.123 χ^2/NDF: 3494.1/25

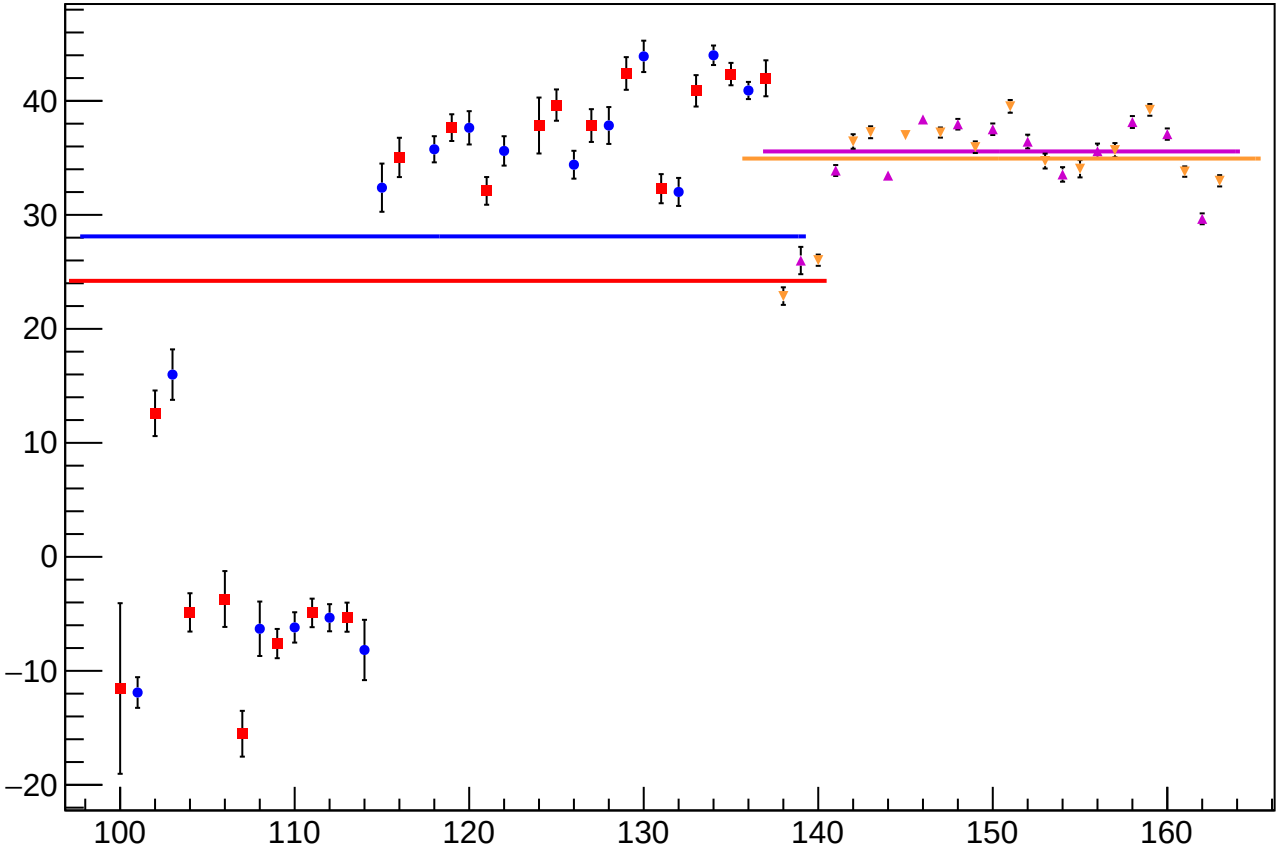
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -52.858+/-0.153 χ^2/NDF:4716.8/27

Out: -53.015+/-0.151 χ^2/NDF:4222.8/32

All: -52.938+/-0.107 χ^2/NDF: 8940.1/60

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.940+/-0.142 χ^2/NDF:813.7/13

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 35.565+/-0.145 χ^2/NDF:408.5/11

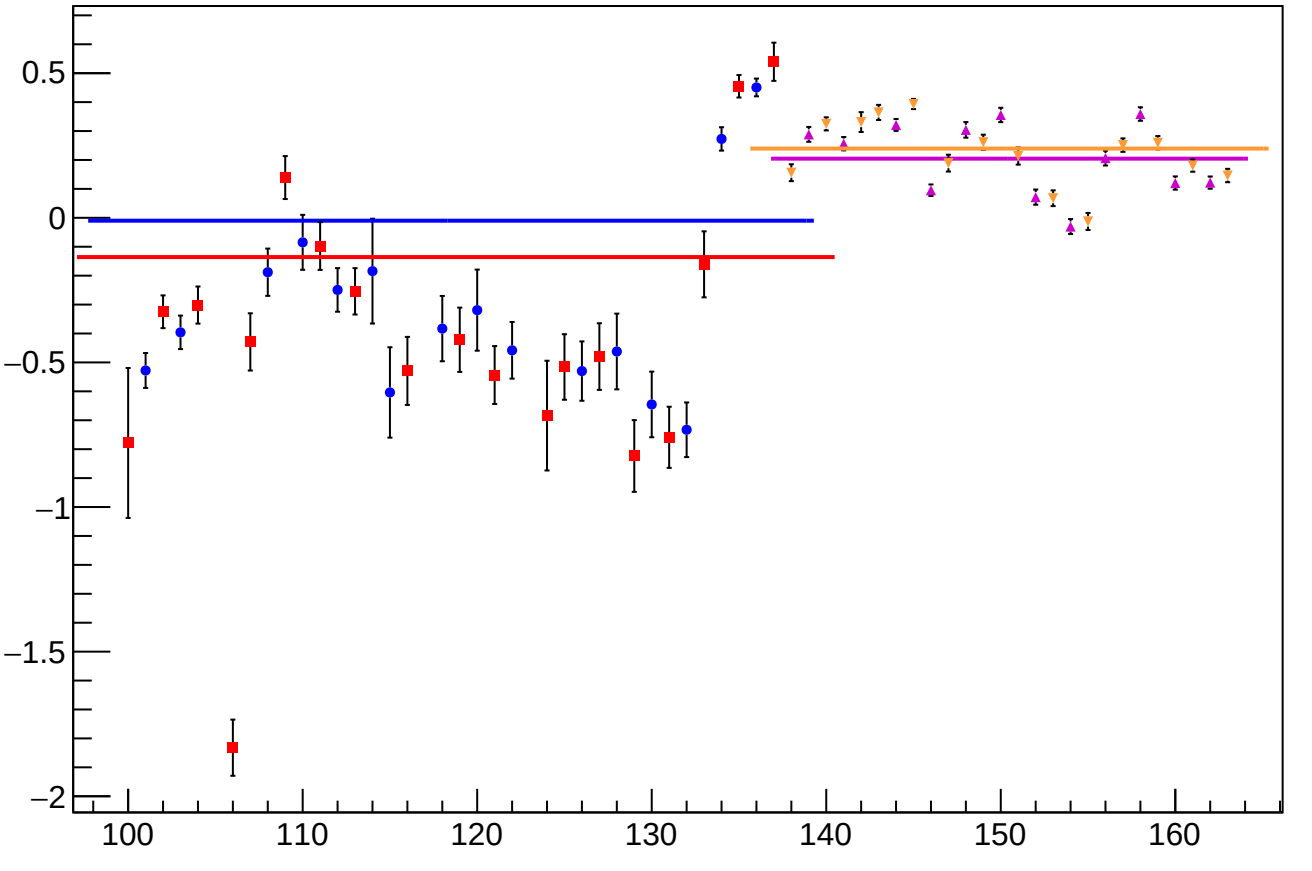
Left: 35.246+/-0.102 χ^2/NDF: 1231.7/25

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.293+/-0.132 χ^2/NDF:4586.2/27

Out: 33.305+/-0.131 χ^2/NDF:5521.5/32

All: 33.795+/-0.093 χ^2/NDF: 10135.9/60



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.239+/-0.007 χ^2/NDF:270.6/13

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.205+/-0.007 χ^2/NDF:308.4/11

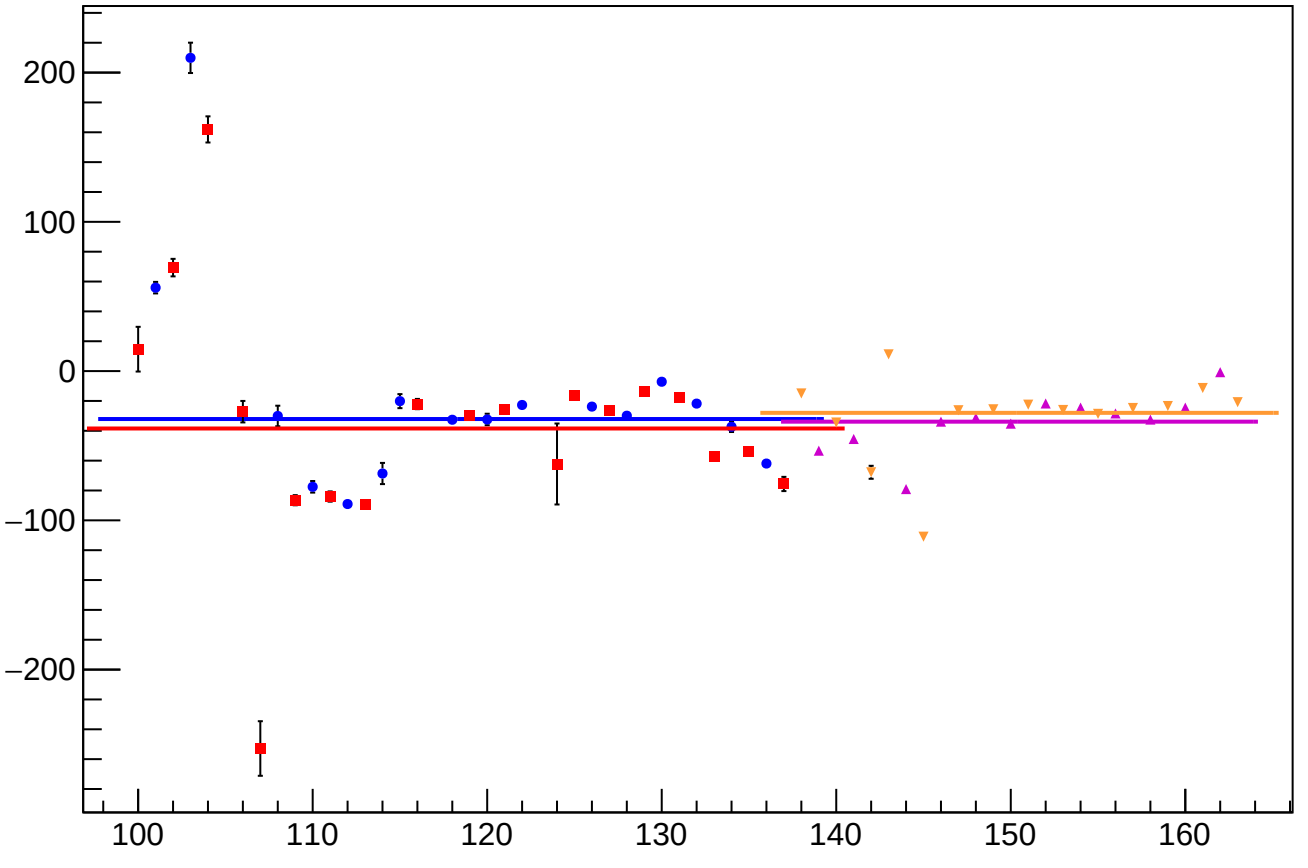
Left: 0.222+/-0.005 χ^2/NDF: 592.5/25

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.176+/-0.006 χ^2/NDF:1028.6/27

Out: 0.198+/-0.006 χ^2/NDF:1442.2/32

All: 0.187+/-0.004 χ^2/NDF: 2476.9/60



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -27.975+/-0.781 χ^2/NDF:978.8/13

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -33.888+/-0.813 χ^2/NDF:517.0/11

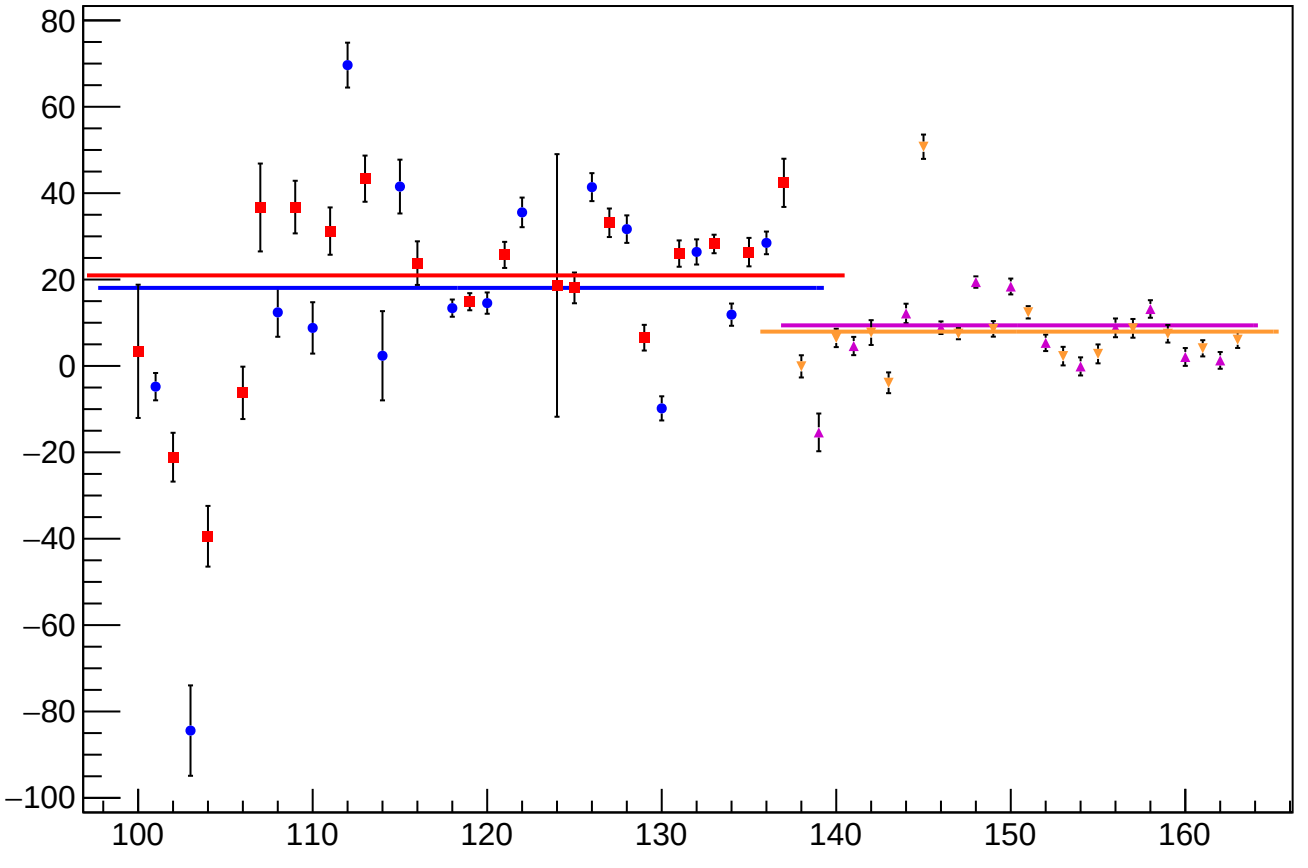
Left: -30.813+/-0.564 χ^2/NDF: 1523.2/25

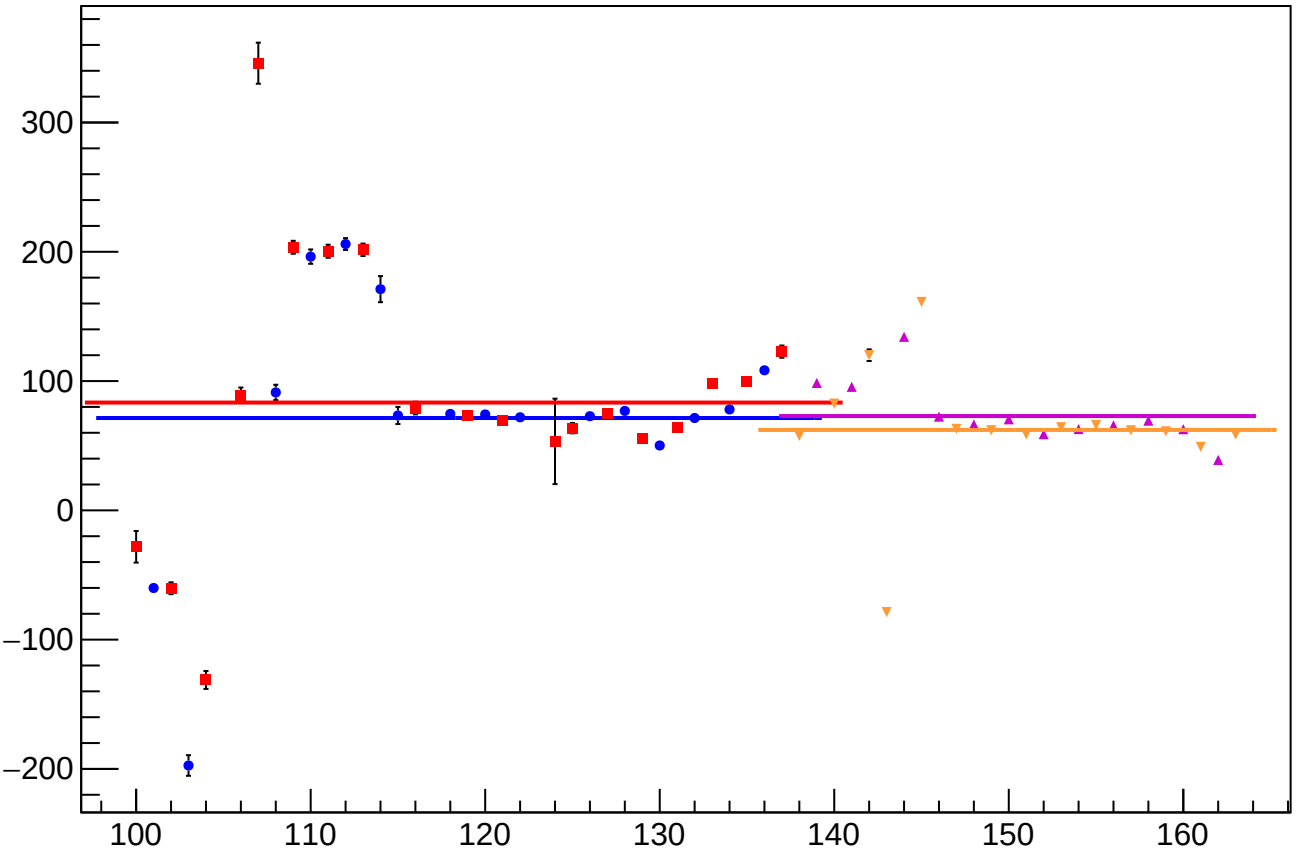
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -33.034+/-0.585 χ^2/NDF:2396.7/27

Out: -32.691+/-0.580 χ^2/NDF:3032.3/32

All: -32.861+/-0.412 χ^2/NDF: 5429.2/60


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
Right In: 18.068+/-0.823 χ²/NDF: 499.6/15
Left Out: 7.947+/-0.525 χ²/NDF:293.5/13
Right Out: 20.959+/-0.868 χ²/NDF: 262.6/18
Left In: 9.394+/-0.553 χ²/NDF:179.4/11
Left: 8.634+/-0.381 χ²/NDF: 476.5/25
Right: 19.435+/-0.597 χ²/NDF: 768.0/34
In: 12.091+/-0.459 χ²/NDF:755.5/27
Out: 11.431+/-0.449 χ²/NDF:720.5/32
All: 11.754+/-0.321 χ²/NDF: 1477.1/60



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 62.198+/-0.756 χ^2/NDF:2908.1/13

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 72.933+/-0.783 χ^2/NDF:808.8/11

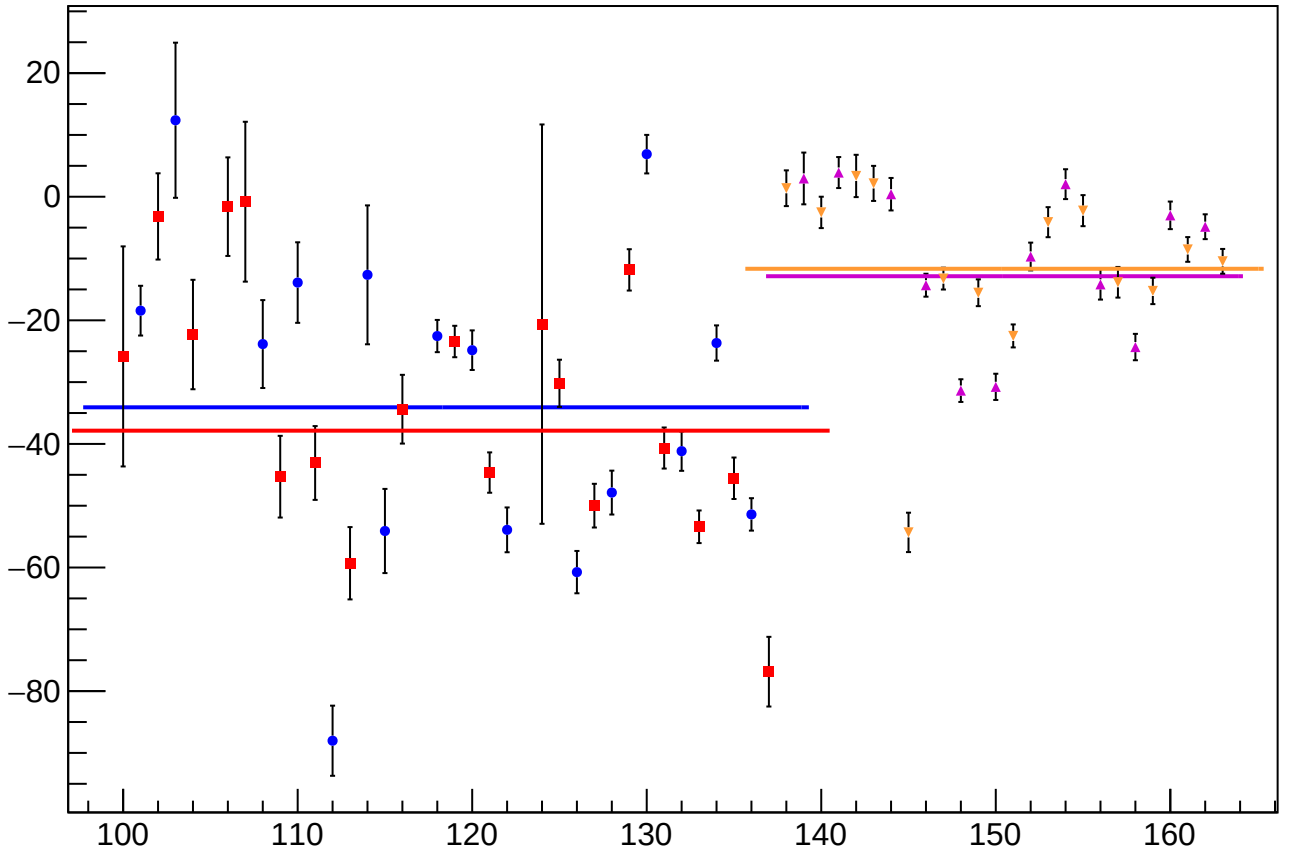
Left: 67.381+/-0.544 χ^2/NDF: 3814.2/25

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 72.307+/-0.599 χ^2/NDF:5629.9/27

Out: 70.053+/-0.600 χ^2/NDF:7496.5/32

All: 71.181+/-0.424 χ^2/NDF: 13133.5/60



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.658+/-0.619 χ^2/NDF:323.6/13

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.863+/-0.649 χ^2/NDF:362.6/11

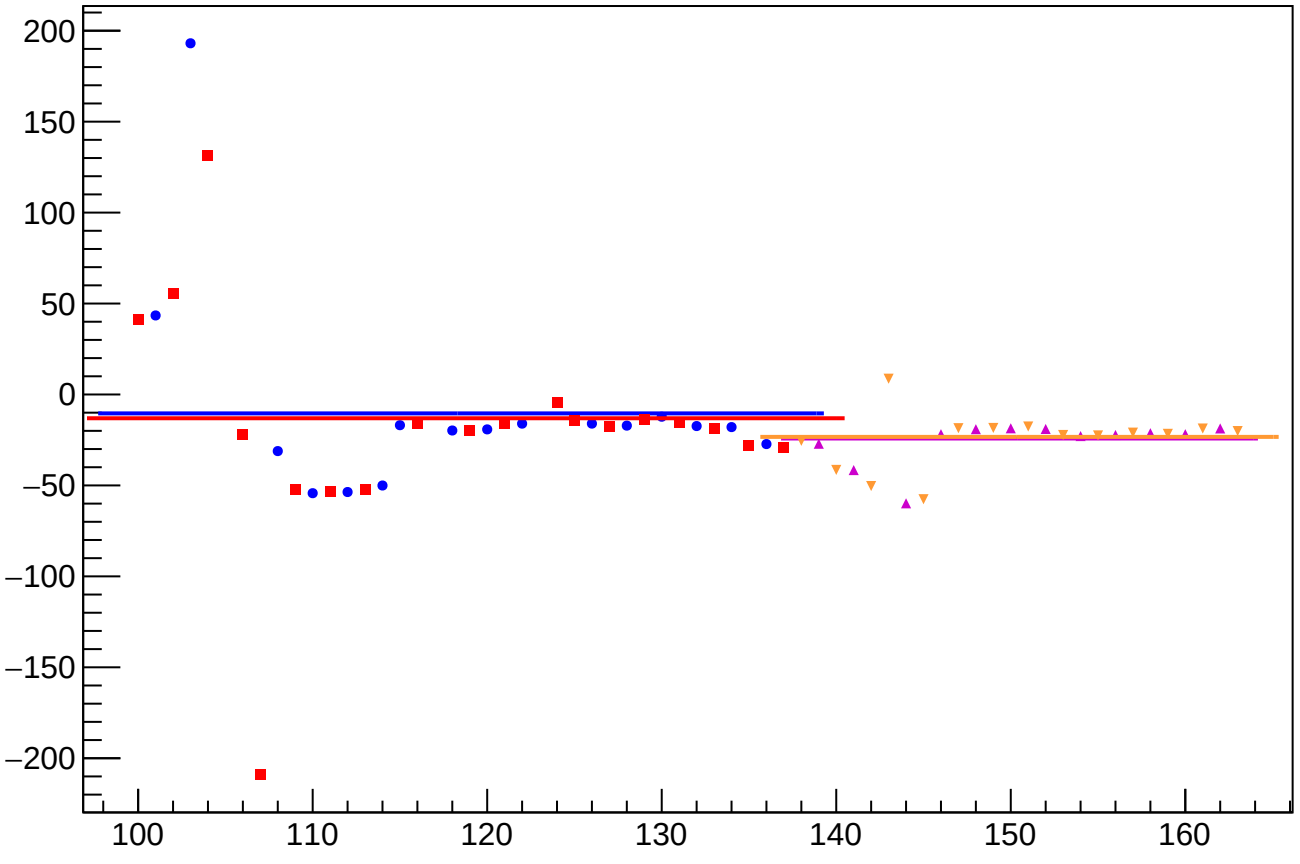
Left: -12.231+/-0.448 χ^2/NDF: 687.9/25

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -19.694+/-0.535 χ^2/NDF:1217.5/27

Out: -18.972+/-0.525 χ^2/NDF:1099.1/32

All: -19.326+/-0.375 χ^2/NDF: 2317.4/60



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -23.314+/-0.029 χ^2/NDF:181193.0/13

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -24.206+/-0.029 χ^2/NDF:101050.1/11

Left: -23.749+/-0.020 χ^2/NDF: 282719.6/25

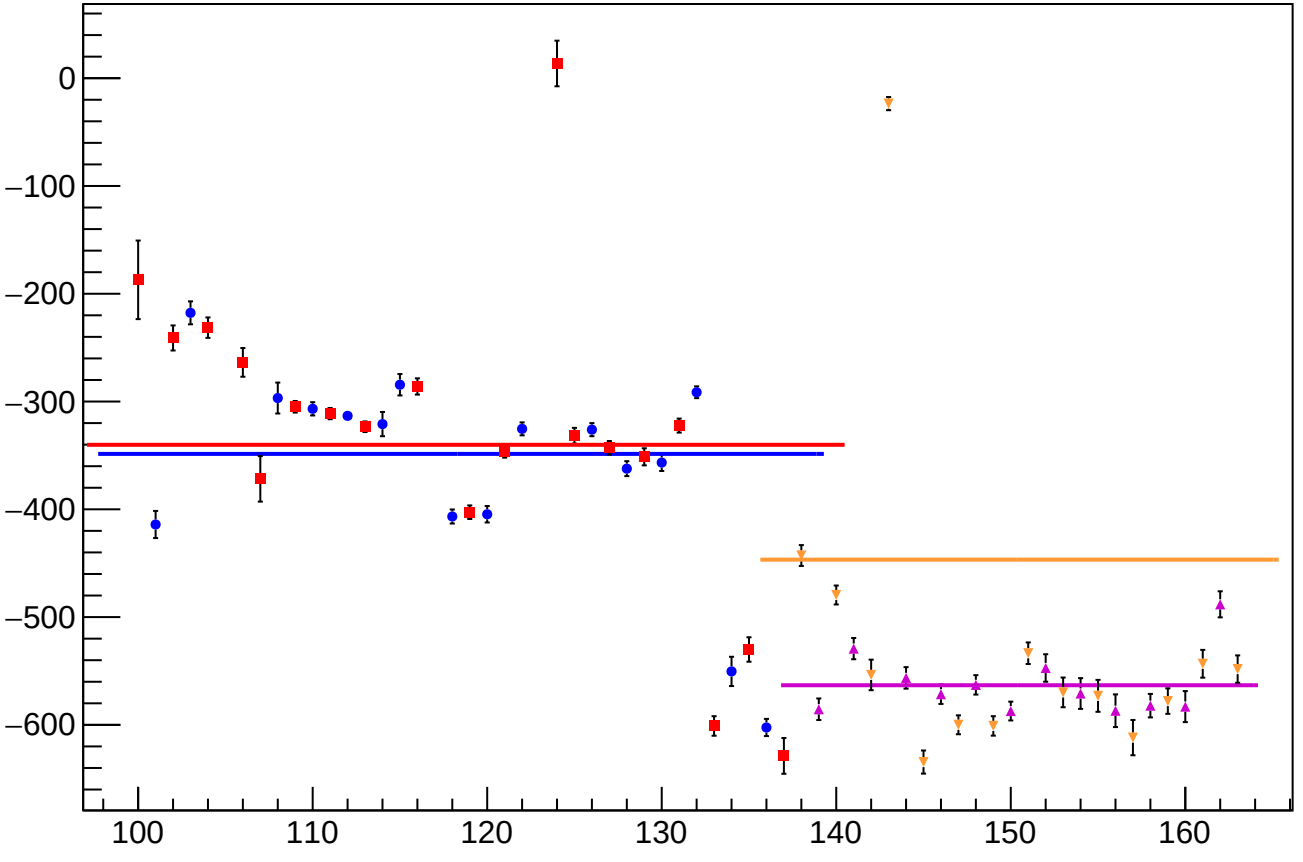
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.317+/-0.026 χ^2/NDF:670068.5/27

Out: -21.552+/-0.026 χ^2/NDF:652945.2/32

All: -21.435+/-0.018 χ^2/NDF: 1323054.8/60

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -446.708+/-2.751 χ^2/NDF:6326.2/13

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -563.233+/-3.109 χ^2/NDF:73.4/11

Left: -497.870+/-2.060 χ^2/NDF: 7187.6/25

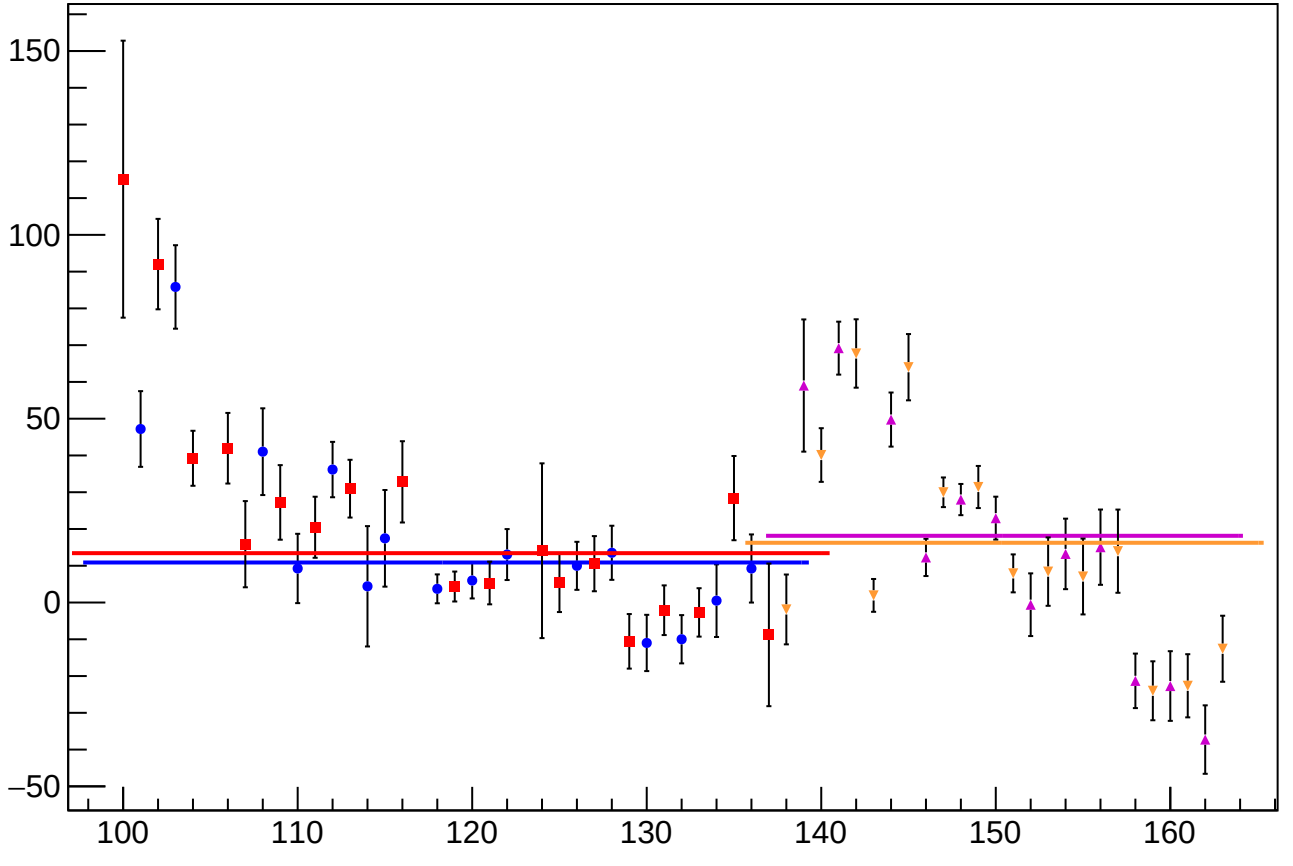
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -403.580+/-1.574 χ^2/NDF:5477.2/27

Out: -371.085+/-1.482 χ^2/NDF:9588.4/32

All: -386.360+/-1.079 χ^2/NDF: 15291.6/60

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 16.250+/-1.815 χ^2/NDF:162.1/13

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 18.149+/-2.043 χ^2/NDF:168.8/11

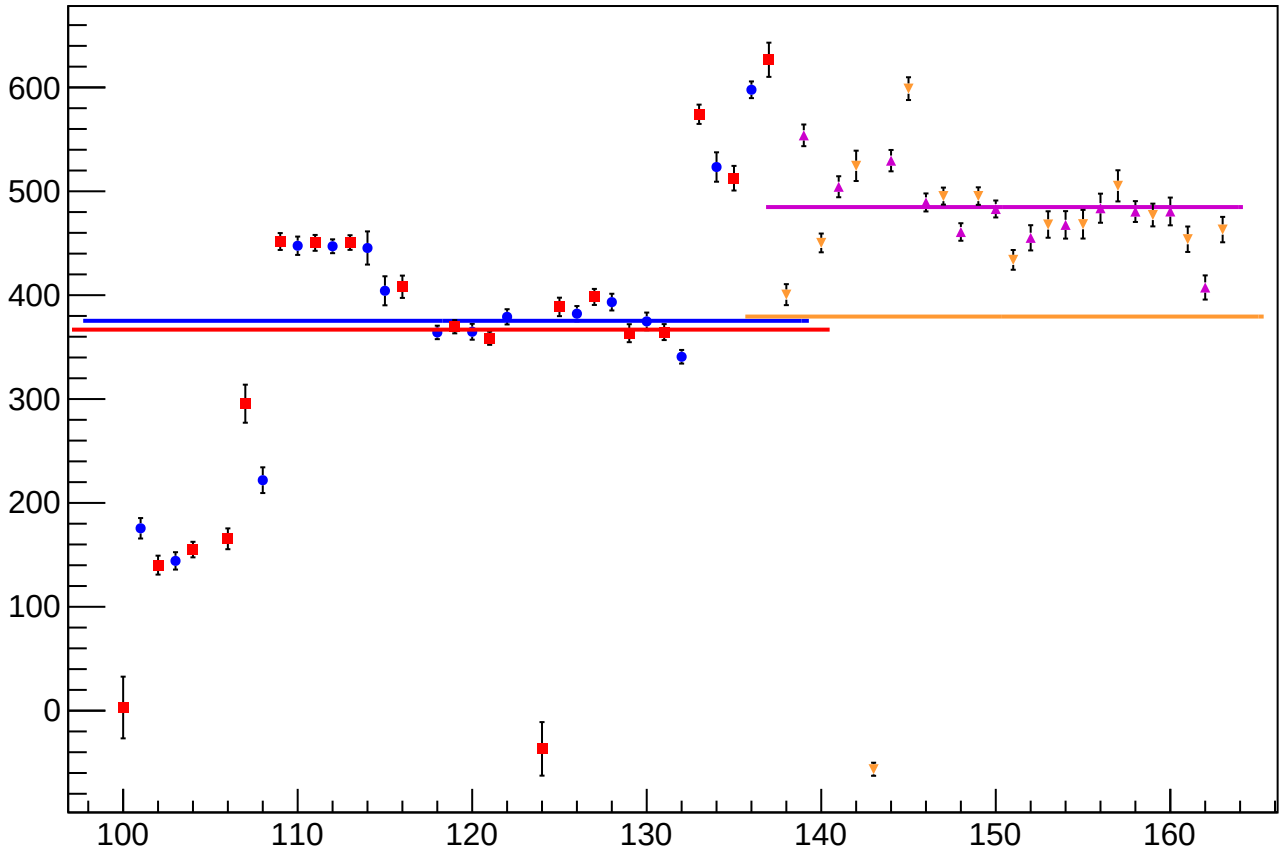
Left: 17.088+/-1.357 χ^2/NDF: 331.4/25

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 14.146+/-1.368 χ^2/NDF:274.0/27

Out: 14.869+/-1.297 χ^2/NDF:275.7/32

All: 14.527+/-0.941 χ^2/NDF: 549.8/60



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 379.411+/-2.693 χ^2/NDF:6102.9/13

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 484.826+/-2.997 χ^2/NDF:127.1/11

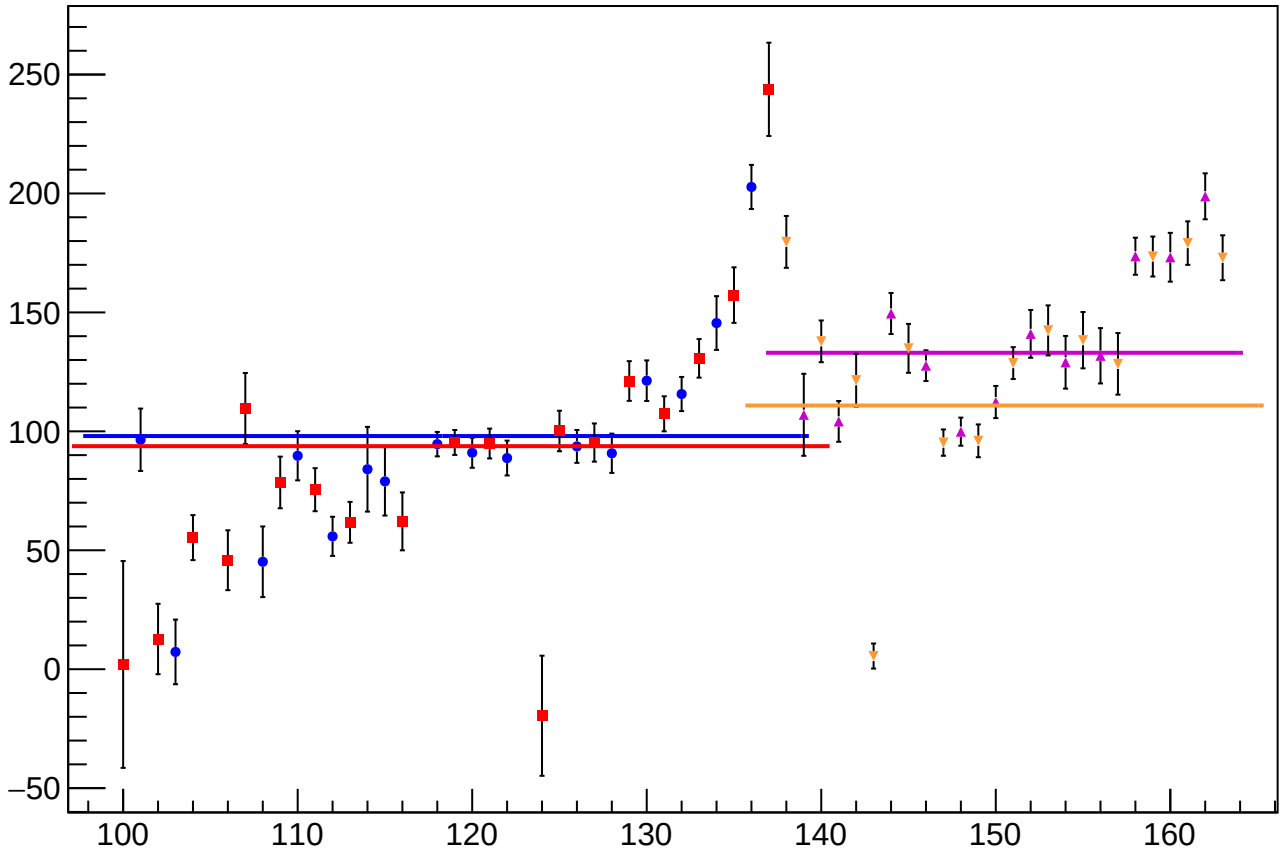
Left: 426.504+/-2.003 χ^2/NDF: 6914.5/25

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.448+/-1.721 χ^2/NDF:3471.3/27

Out: 371.444+/-1.631 χ^2/NDF:9657.8/32

All: 390.368+/-1.184 χ^2/NDF: 13413.7/60



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 110.869+/-2.180 χ^2/NDF:646.6/13

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 133.022+/-2.447 χ^2/NDF:148.4/11

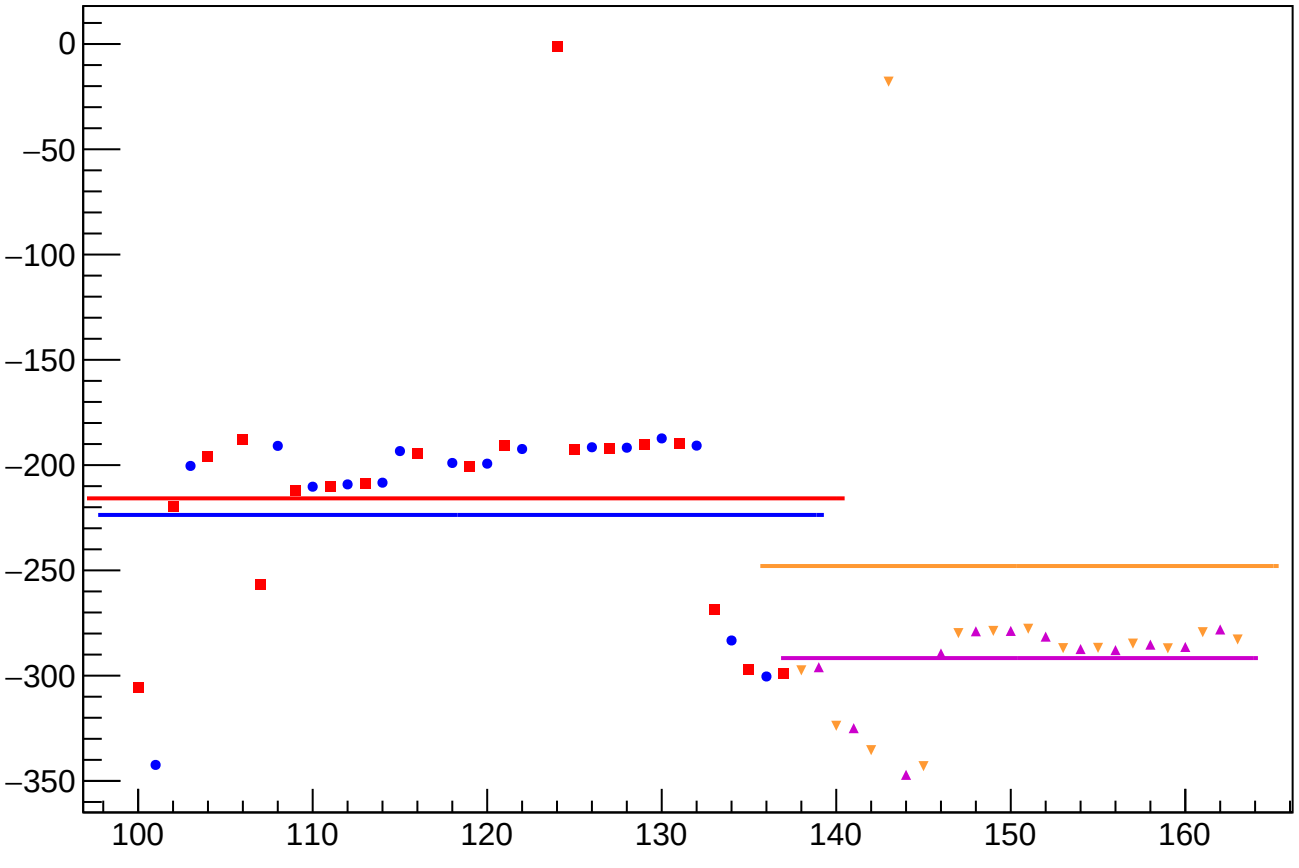
Left: 120.672+/-1.628 χ^2/NDF: 840.7/25

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 113.224+/-1.613 χ^2/NDF:513.6/27

Out: 102.156+/-1.527 χ^2/NDF:915.1/32

All: 107.387+/-1.109 χ^2/NDF: 1453.6/60



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.934+/-0.106 χ^2/NDF:958735.1/13

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -291.657+/-0.115 χ^2/NDF:26185.7/11

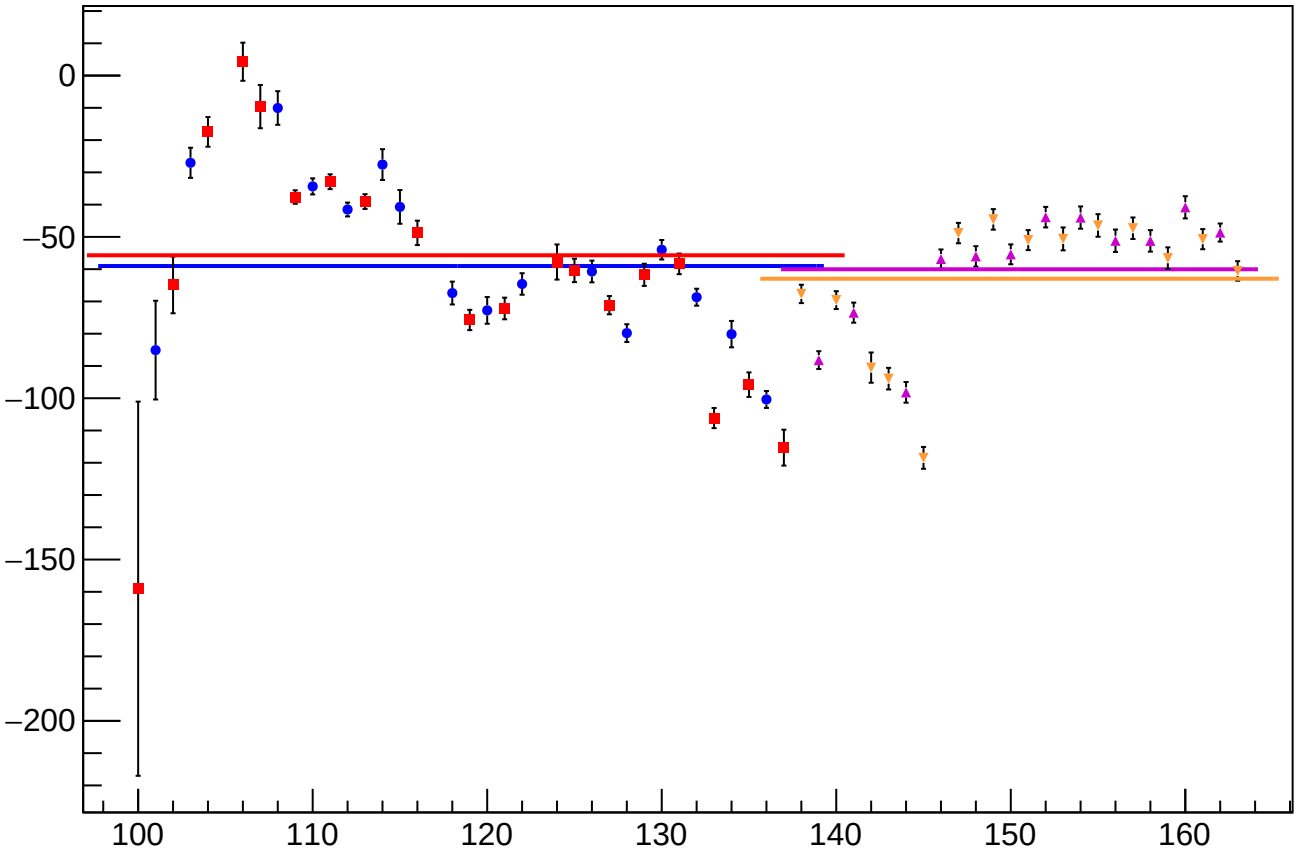
Left: -268.059+/-0.078 χ^2/NDF: 1063266.5/25

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -263.929+/-0.088 χ^2/NDF:290864.8/27

Out: -235.601+/-0.083 χ^2/NDF:1075539.3/32

All: -248.921+/-0.061 χ^2/NDF: 1420916.7/60



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -62.958+/-0.867 χ^2/NDF:541.5/13

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -60.032+/-0.906 χ^2/NDF:377.7/11

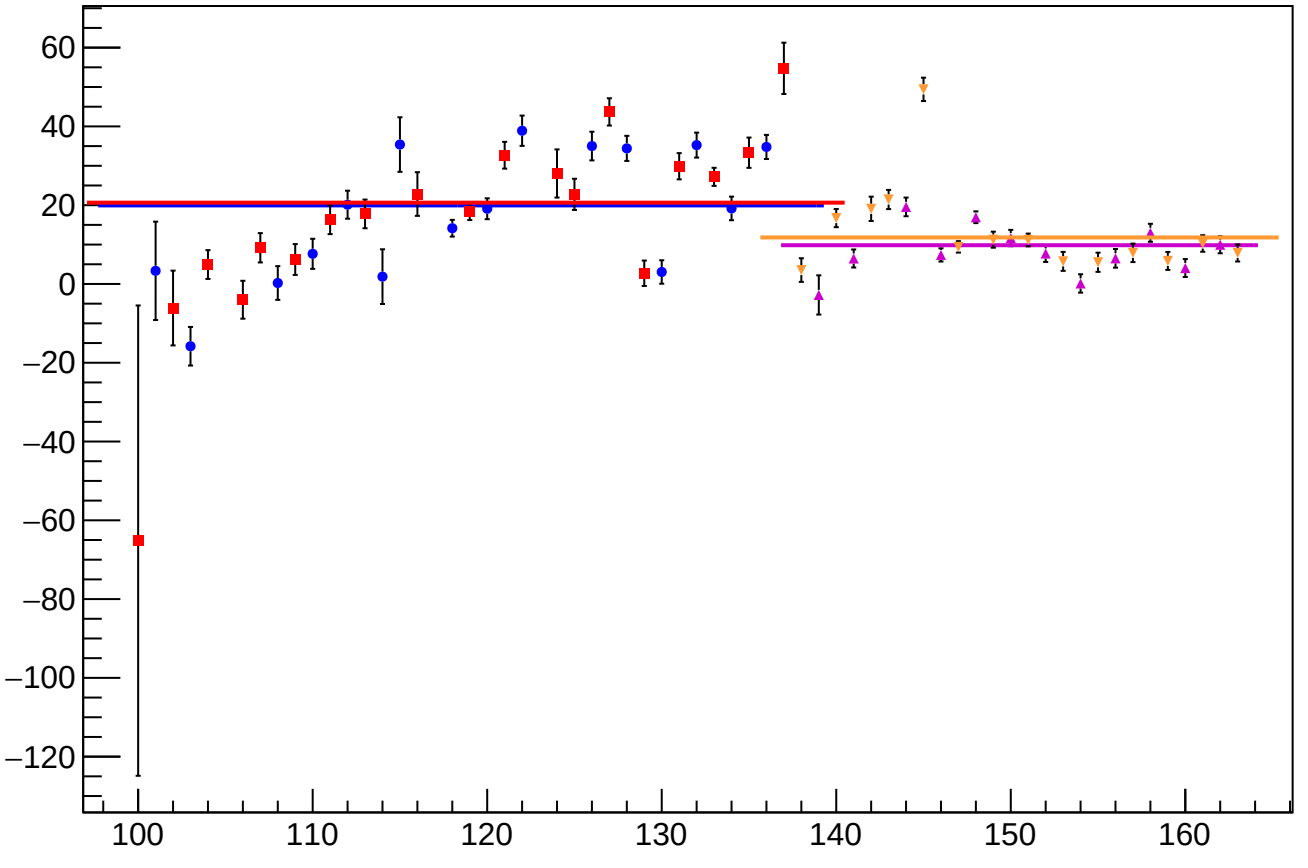
Left: -61.560+/-0.626 χ^2/NDF: 924.7/25

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -59.487+/-0.612 χ^2/NDF:1105.7/27

Out: -58.994+/-0.584 χ^2/NDF:1621.0/32

All: -59.229+/-0.422 χ^2/NDF: 2727.0/60



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 11.807+/-0.584 χ^2/NDF:223.5/13

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.838+/-0.617 χ^2/NDF:79.7/11

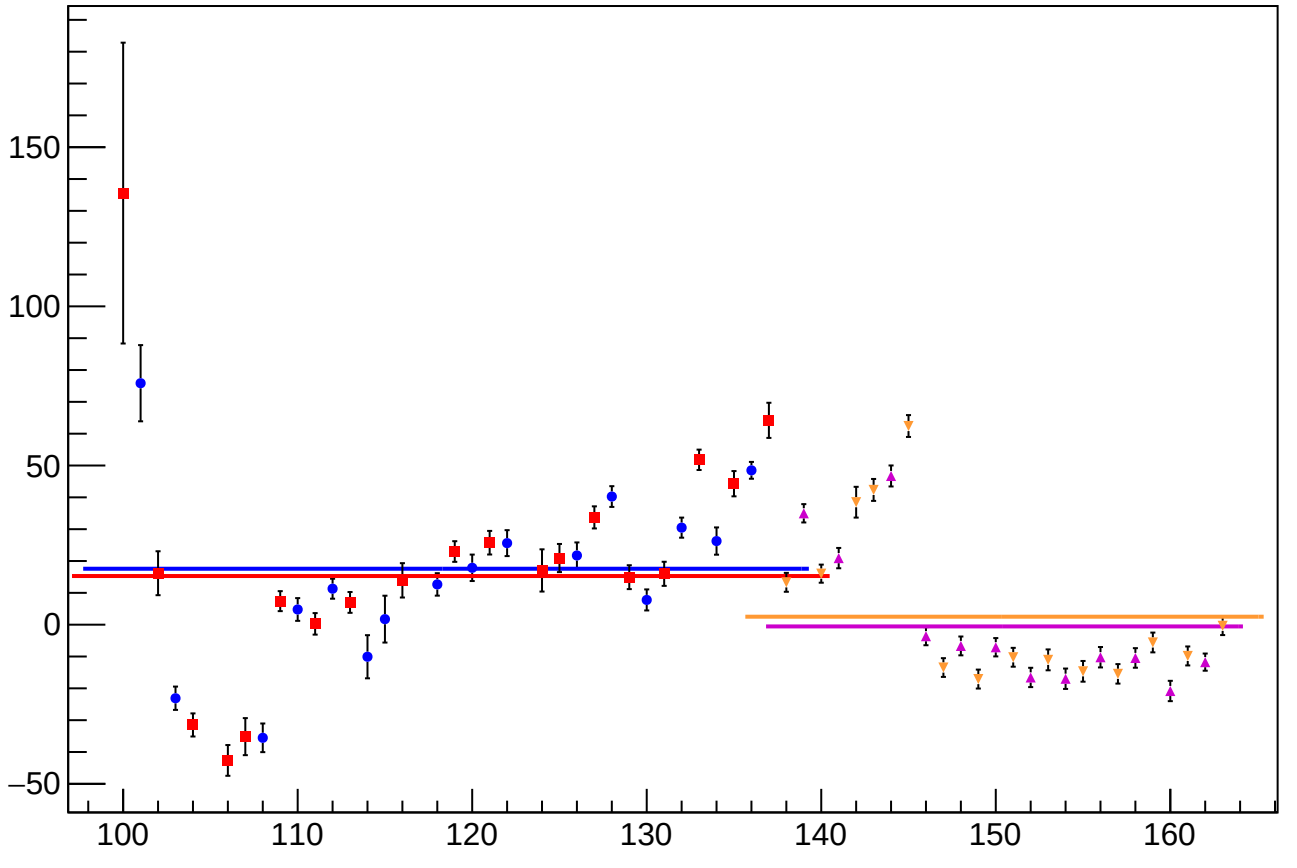
Left: 10.877+/-0.424 χ^2/NDF: 308.6/25

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 13.236+/-0.503 χ^2/NDF:417.0/27

Out: 14.668+/-0.480 χ^2/NDF:522.4/32

All: 13.985+/-0.347 χ^2/NDF: 943.7/60



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 2.506+/-0.839 χ^2/NDF:724.5/13

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -0.549+/-0.872 χ^2/NDF:544.8/11

Left: 1.037+/-0.605 χ^2/NDF: 1275.7/25

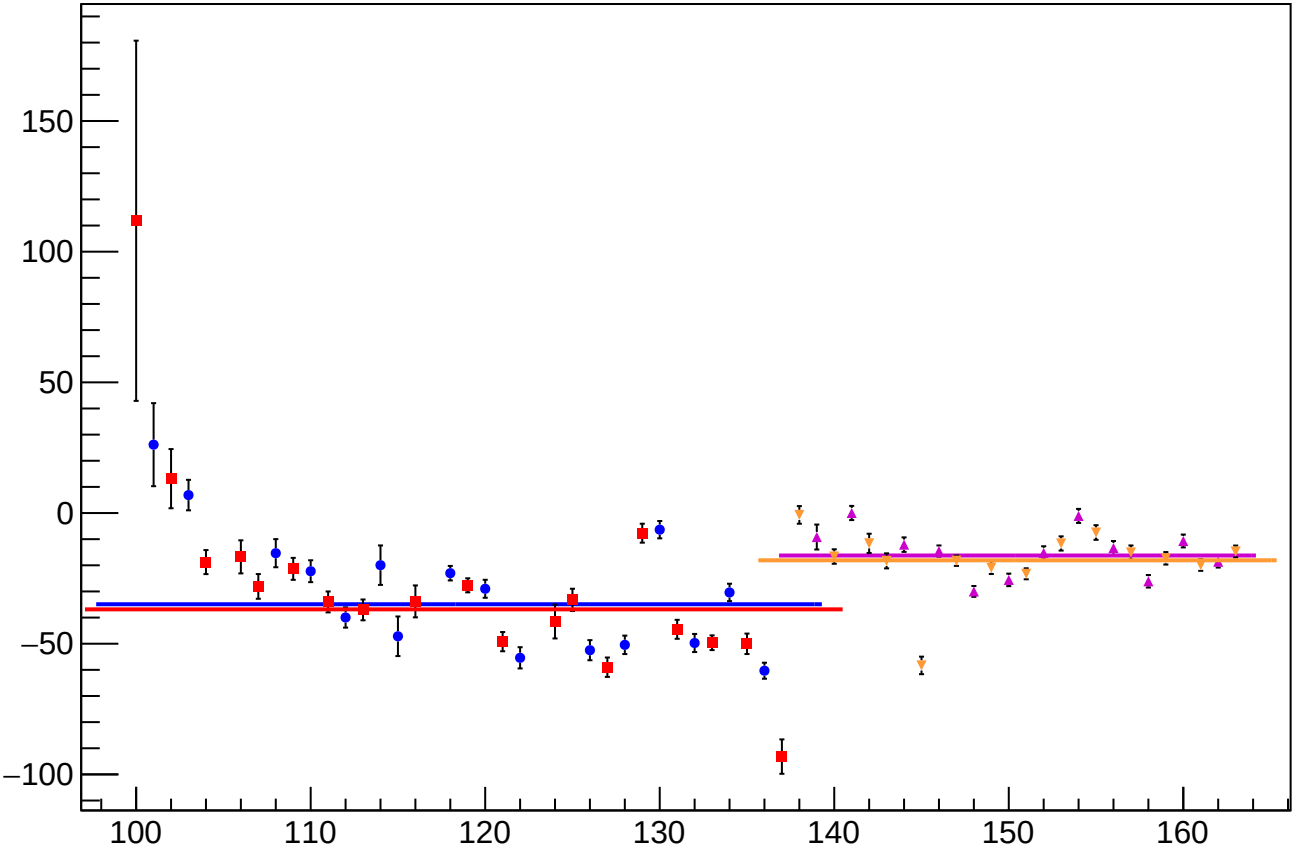
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 7.678+/-0.645 χ^2/NDF:1287.0/27

Out: 8.214+/-0.624 χ^2/NDF:1558.1/32

All: 7.955+/-0.448 χ^2/NDF: 2845.4/60

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -18.084+/-0.687 χ^2/NDF:205.2/13

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.251+/-0.724 χ^2/NDF:156.2/11

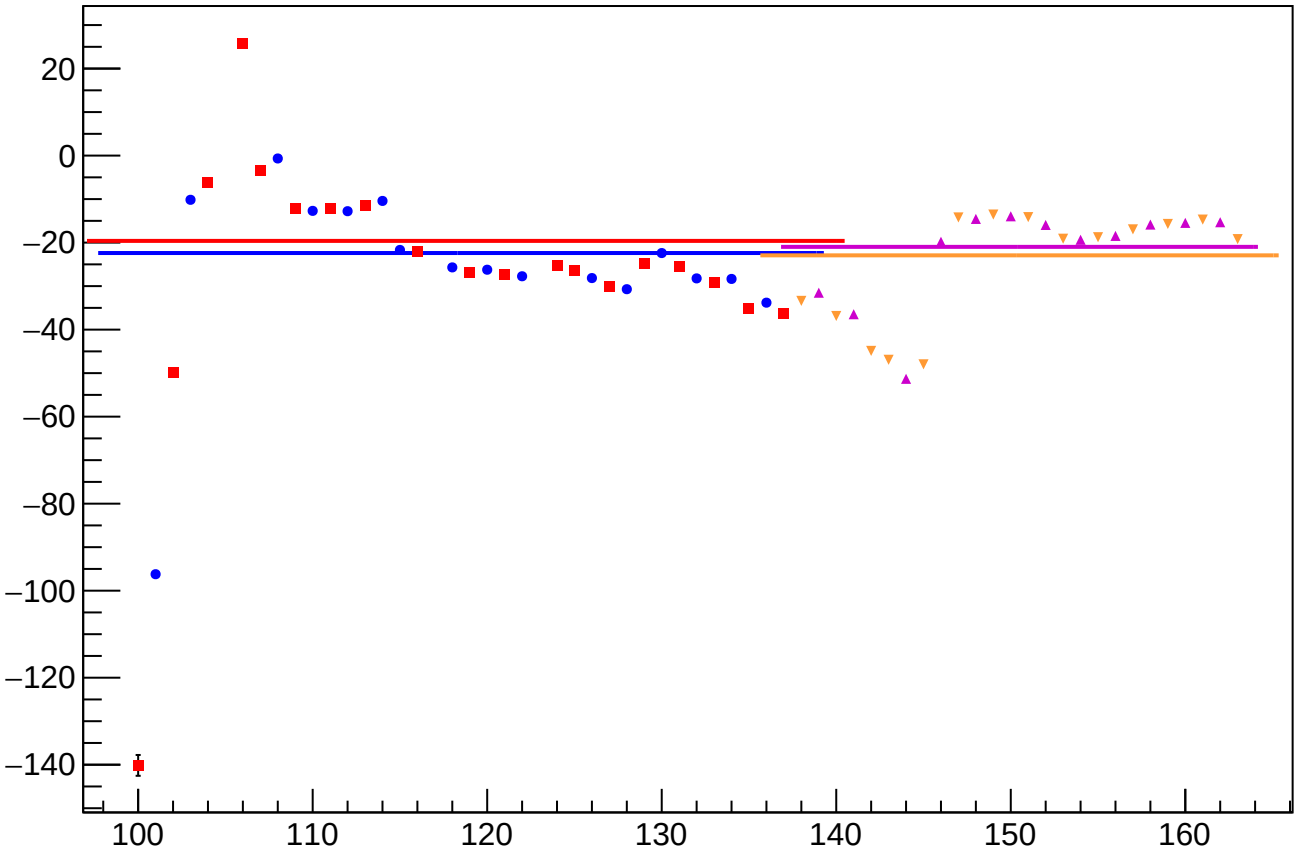
Left: -17.215+/-0.499 χ^2/NDF: 364.9/25

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -22.748+/-0.585 χ^2/NDF:733.9/27

Out: -24.362+/-0.561 χ^2/NDF:756.1/32

All: -23.589+/-0.405 χ^2/NDF: 1494.0/60



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -22.928+/-0.032 χ^2/NDF:129060.7/13

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.977+/-0.033 χ^2/NDF:84356.7/11

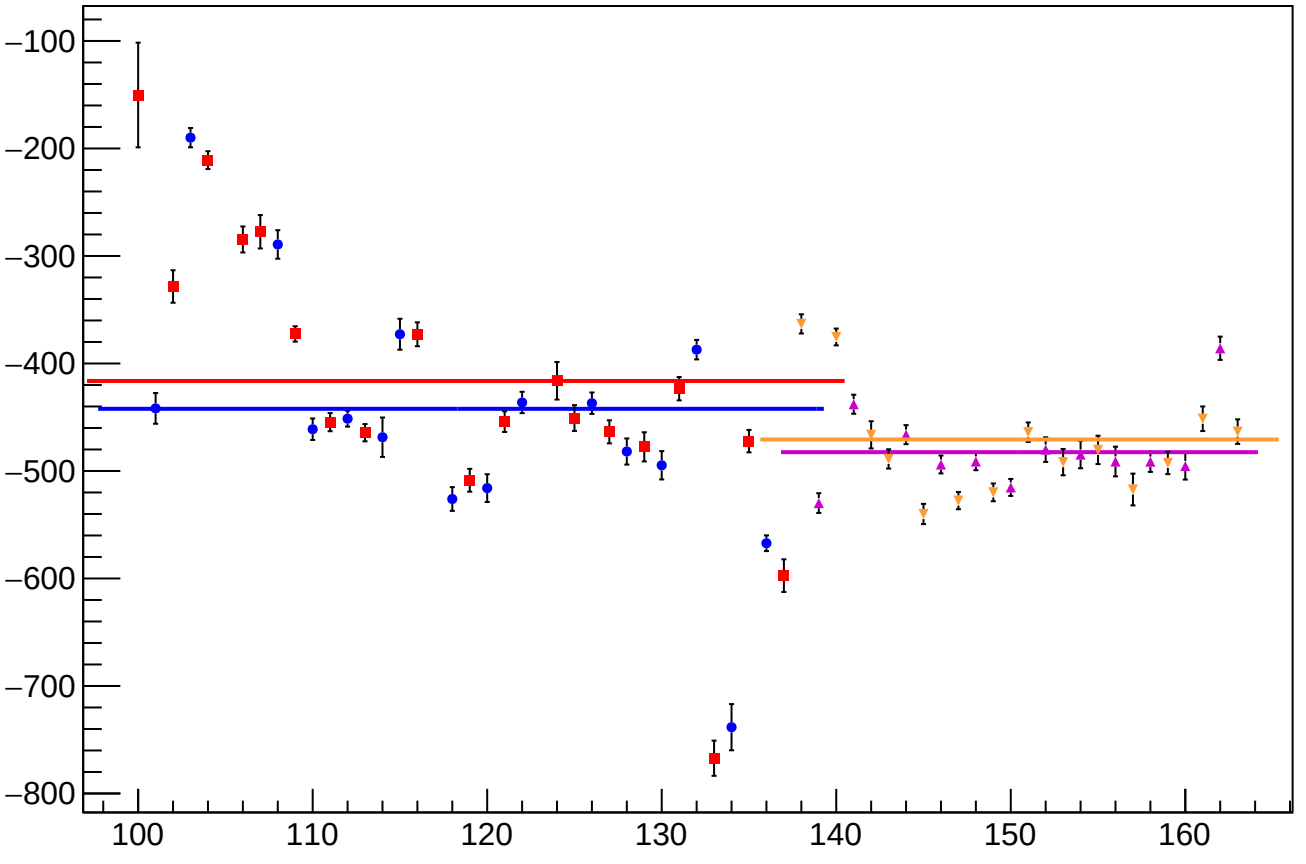
Left: -21.980+/-0.023 χ^2/NDF: 215260.8/25

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.314+/-0.028 χ^2/NDF:131326.6/27

Out: -22.193+/-0.028 χ^2/NDF:215359.5/32

All: -21.761+/-0.020 χ^2/NDF: 347171.5/60



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -470.708+/-2.647 χ^2/NDF:459.2/13

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -482.497+/-2.796 χ^2/NDF:157.9/11

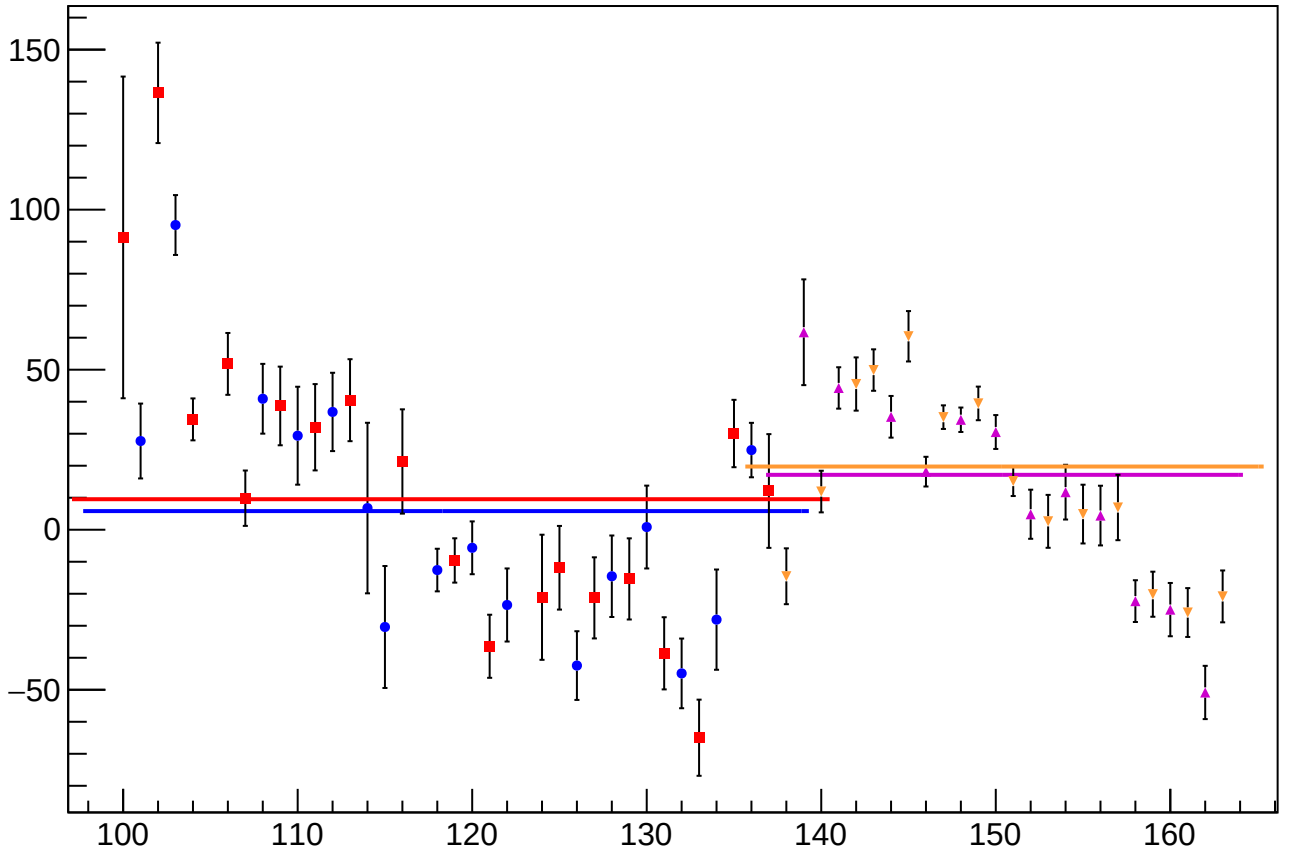
Left: -476.279+/-1.922 χ^2/NDF: 626.5/25

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -461.495+/-1.936 χ^2/NDF:1855.3/27

Out: -442.173+/-1.826 χ^2/NDF:2434.7/32

All: -451.273+/-1.328 χ^2/NDF: 4342.7/60



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 19.745+/-1.727 χ^2/NDF:208.8/13

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 17.152+/-1.837 χ^2/NDF:193.2/11

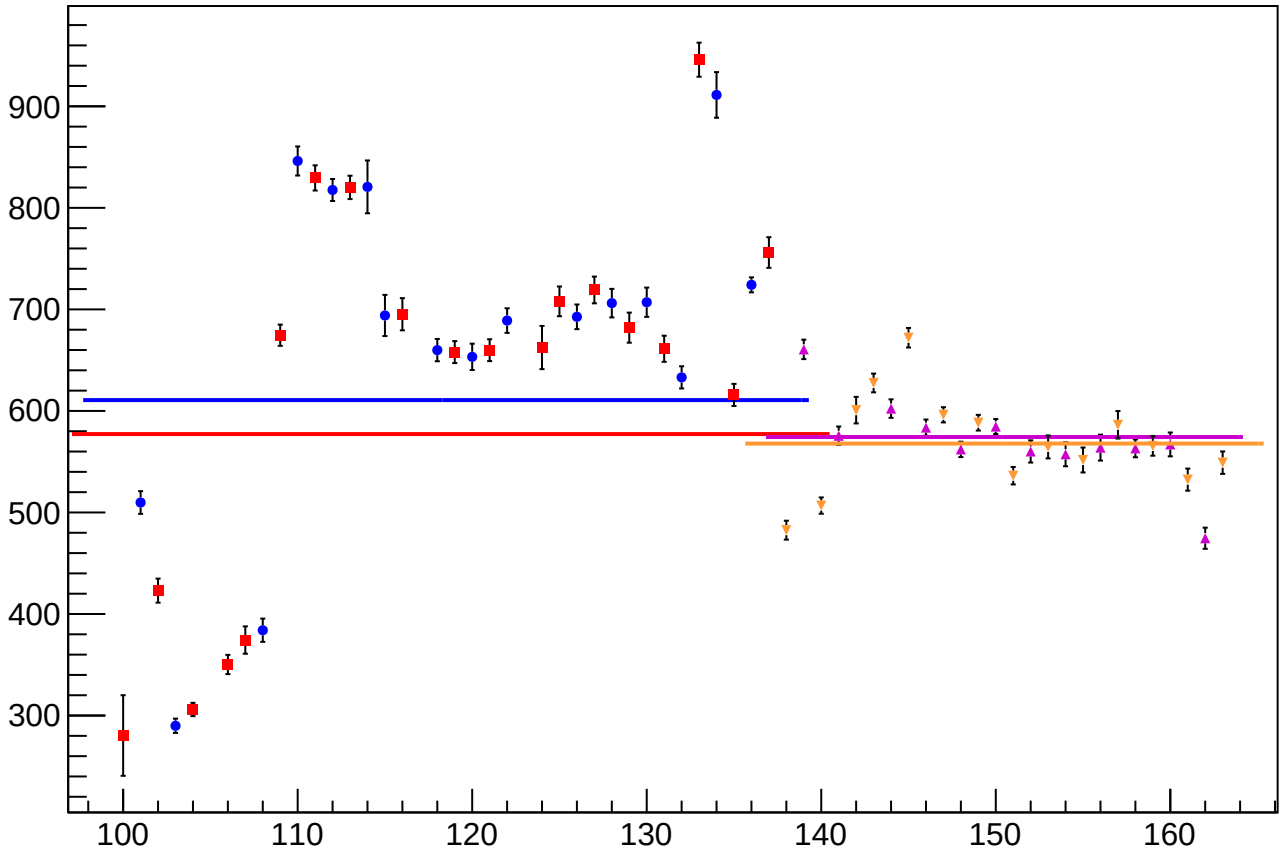
Left: 18.528+/-1.258 χ^2/NDF: 403.0/25

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 13.619+/-1.523 χ^2/NDF:393.1/27

Out: 16.546+/-1.431 χ^2/NDF:441.9/32

All: 15.174+/-1.043 χ^2/NDF: 837.0/60



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 567.858+/-2.574 χ^2/NDF:359.0/13

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 574.304+/-2.695 χ^2/NDF:195.1/11

Left: 570.934+/-1.862 χ^2/NDF: 557.2/25

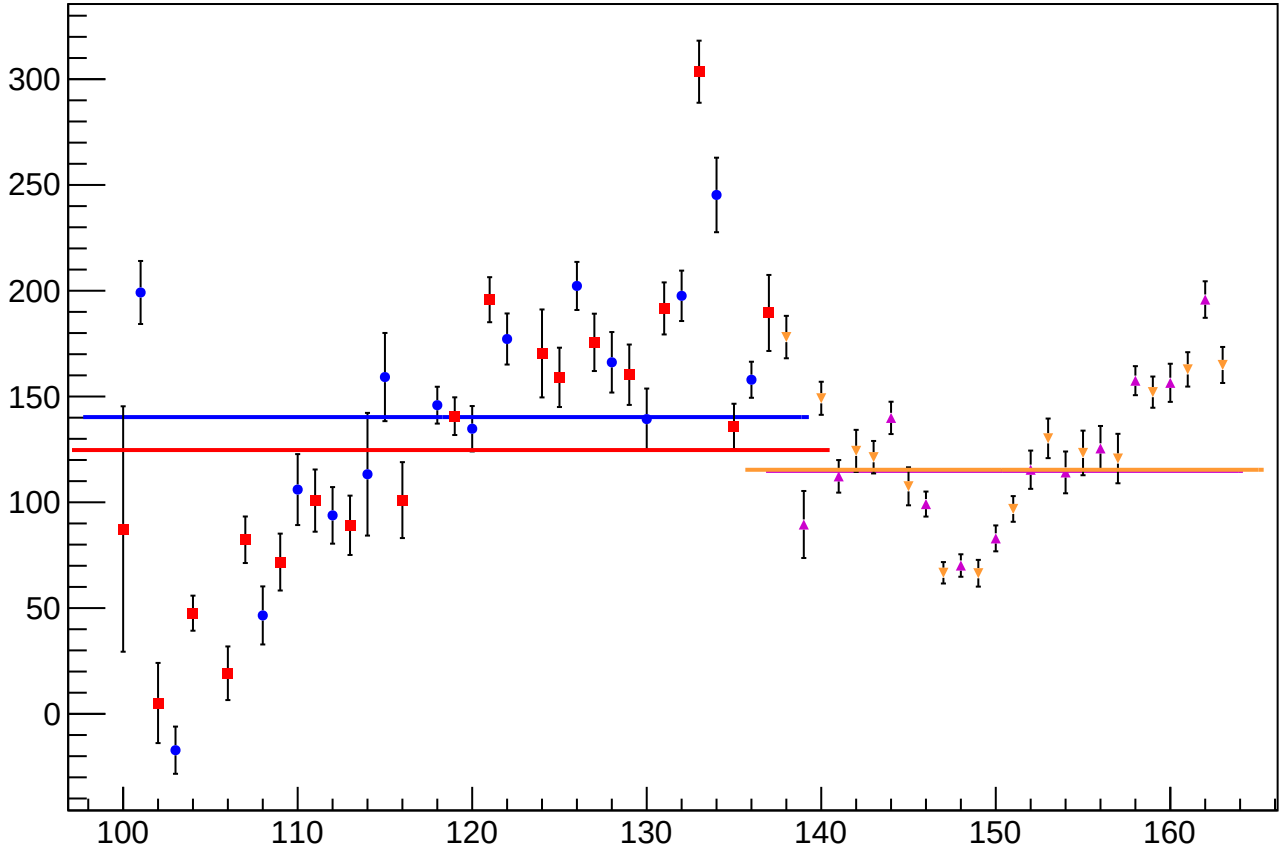
Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 591.202+/-1.972 χ^2/NDF:4172.3/27

Out: 572.215+/-1.881 χ^2/NDF:5165.5/32

All: 581.262+/-1.361 χ^2/NDF: 9386.3/60

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 115.372+/-2.076 χ^2/NDF:317.6/13

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 114.844+/-2.198 χ^2/NDF:267.4/11

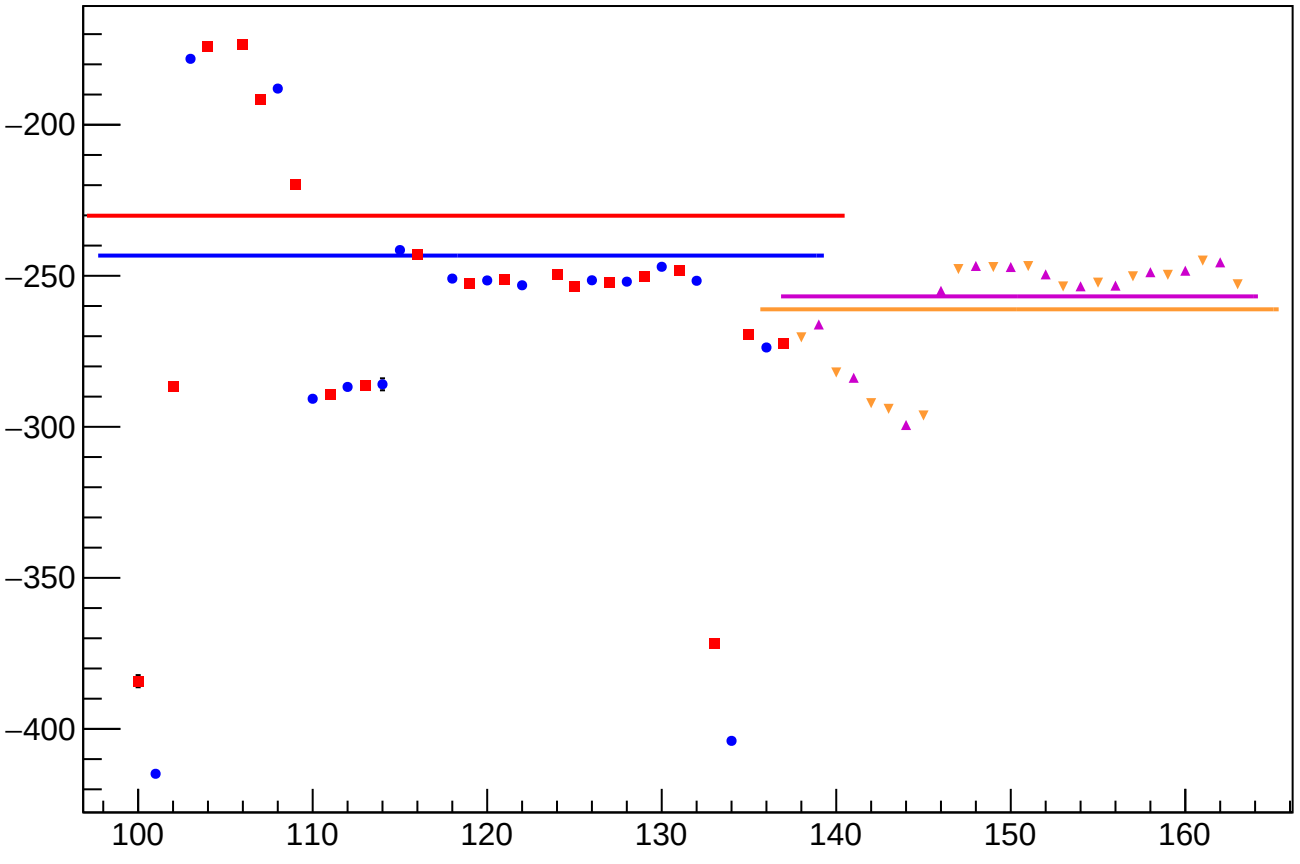
Left: 115.123+/-1.509 χ^2/NDF: 585.1/25

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 123.167+/-1.803 χ^2/NDF:696.6/27

Out: 118.420+/-1.703 χ^2/NDF:832.8/32

All: 120.659+/-1.238 χ^2/NDF: 1533.1/60



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -261.097+/-0.101 χ^2/NDF:33237.4/13

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -256.816+/-0.103 χ^2/NDF:21521.9/11

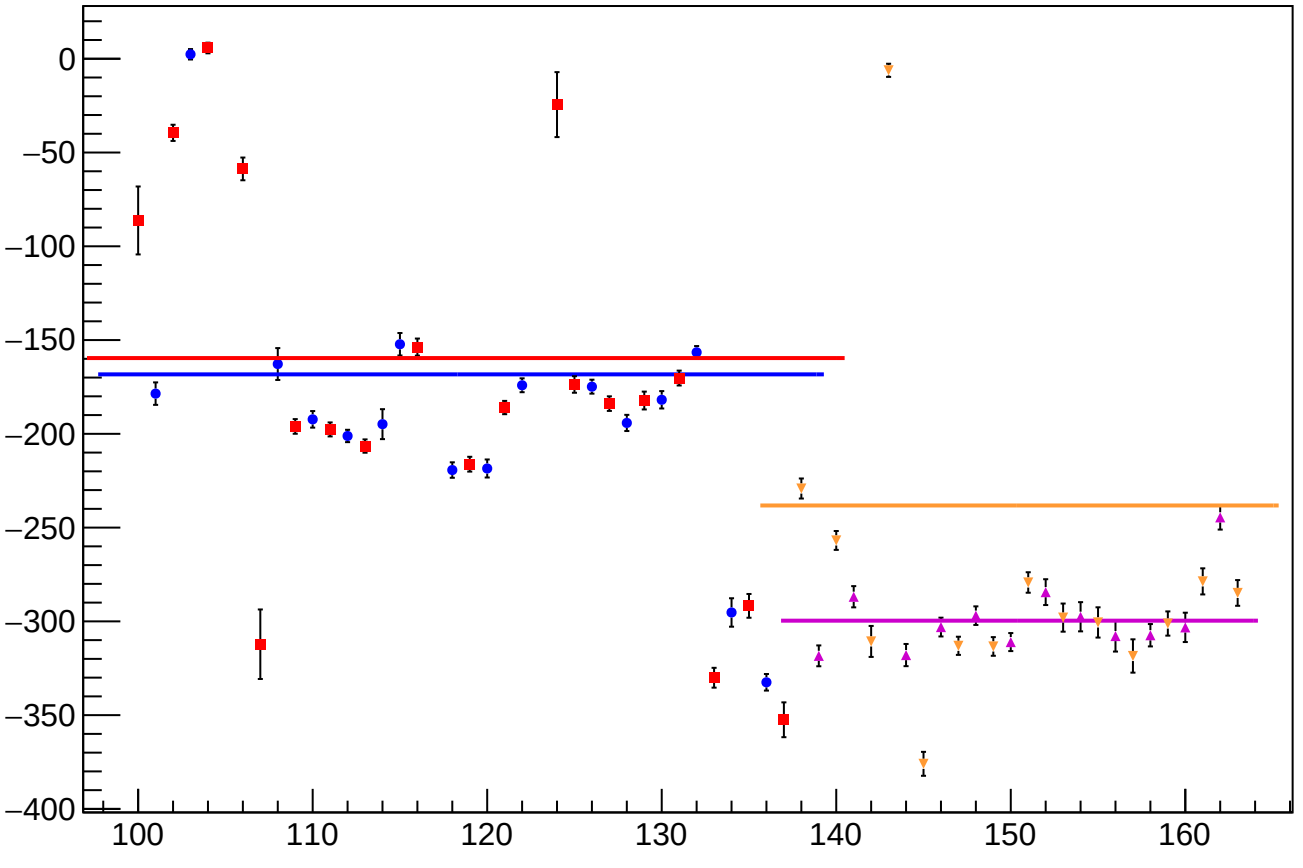
Left: -259.010+/-0.072 χ^2/NDF: 55642.3/25

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.936+/-0.087 χ^2/NDF:199934.1/27

Out: -252.109+/-0.085 χ^2/NDF:163217.0/32

All: -252.511+/-0.061 χ^2/NDF: 363197.3/60



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.200+/-1.537 χ^2/NDF:5834.2/13

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -299.628+/-1.725 χ^2/NDF:111.6/11

Left: -265.397+/-1.148 χ^2/NDF: 6652.6/25

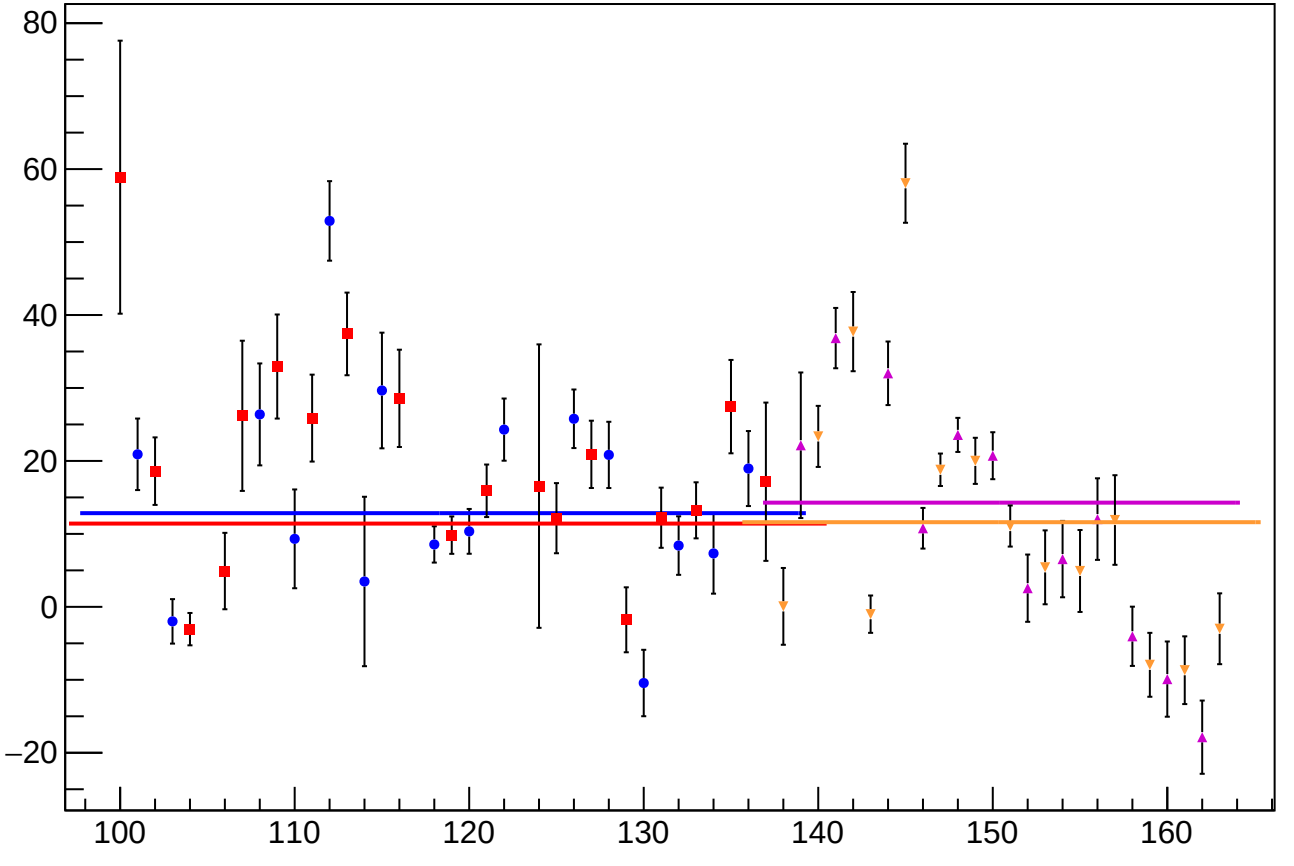
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -205.071+/-0.913 χ^2/NDF:10193.3/27

Out: -184.351+/-0.863 χ^2/NDF:14822.5/32

All: -194.127+/-0.627 χ^2/NDF: 25288.0/60

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 11.603+/-1.010 χ^2/NDF:202.2/13

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 14.282+/-1.130 χ^2/NDF:160.5/11

Left: 12.793+/-0.753 χ^2/NDF: 365.8/25

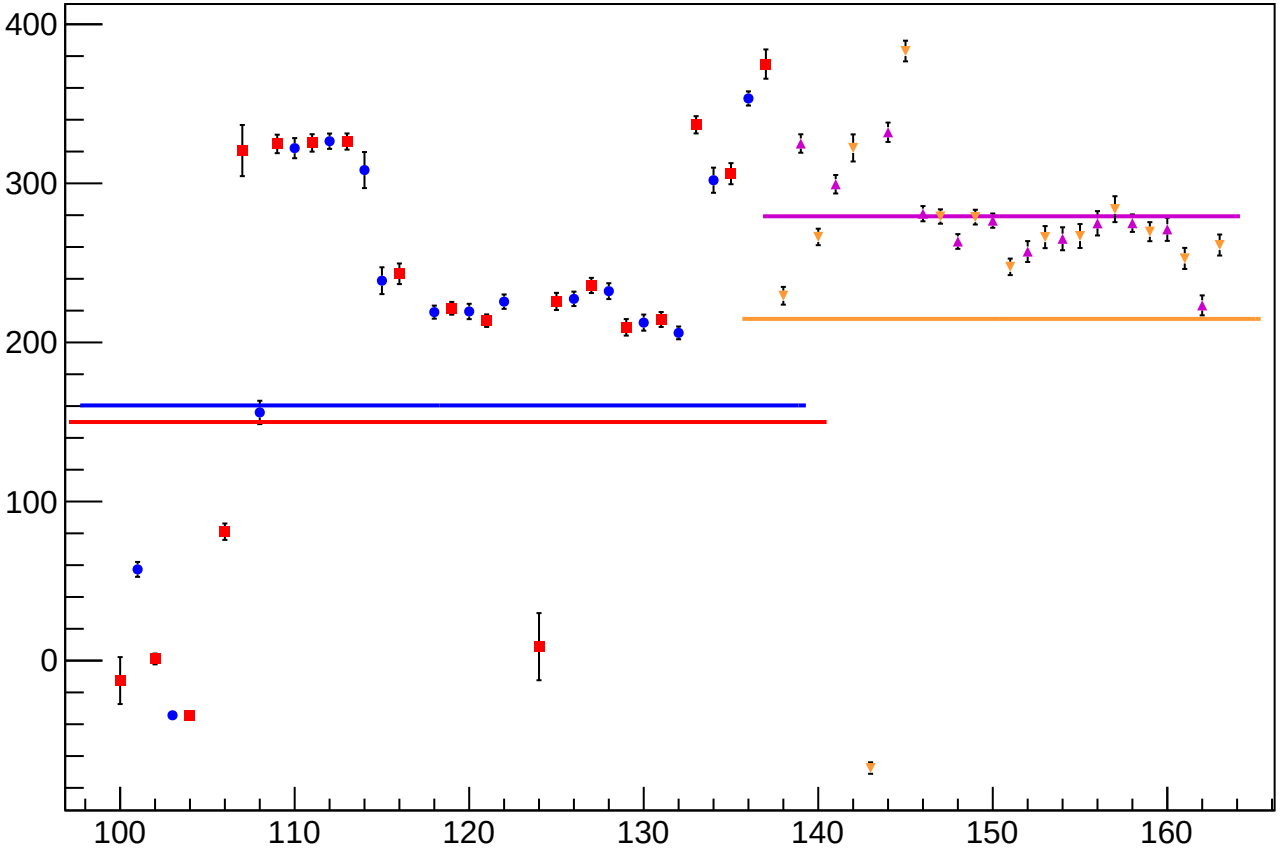
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 13.527+/-0.779 χ^2/NDF:305.1/27

Out: 11.511+/-0.723 χ^2/NDF:321.8/32

All: 12.443+/-0.530 χ^2/NDF: 630.4/60

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 214.810+/-1.502 χ^2/NDF:7825.3/13

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 279.309+/-1.660 χ^2/NDF:258.8/11

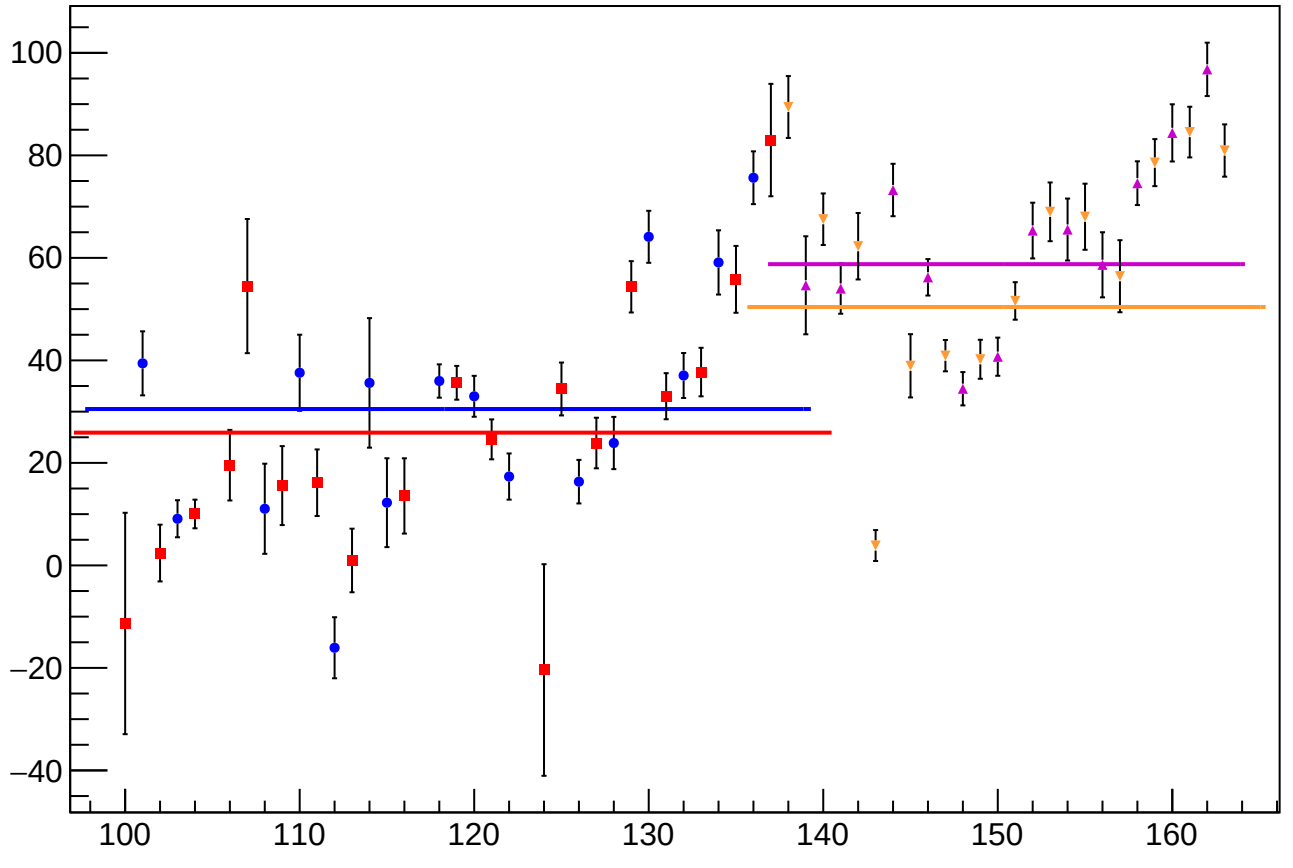
Left: 243.845+/-1.114 χ^2/NDF: 8914.3/25

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 198.469+/-0.939 χ^2/NDF:17697.1/27

Out: 172.790+/-0.891 χ^2/NDF:25298.1/32

All: 184.954+/-0.646 χ^2/NDF: 43388.7/60



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 50.410+/-1.213 χ^2/NDF:455.0/13

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 58.775+/-1.353 χ^2/NDF:179.8/11

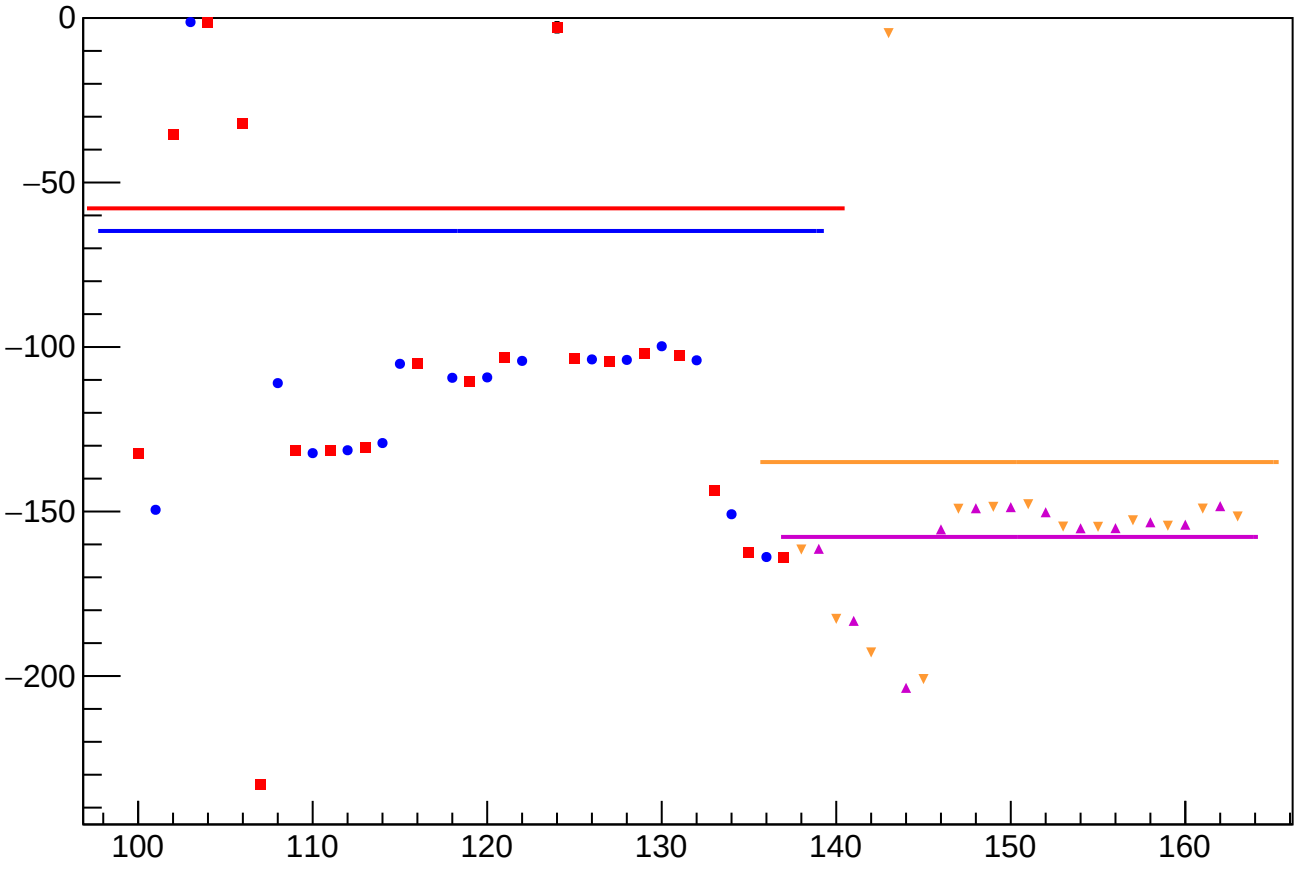
Left: 54.137+/-0.903 χ^2/NDF: 655.9/25

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 43.574+/-0.920 χ^2/NDF:691.3/27

Out: 38.156+/-0.858 χ^2/NDF:846.8/32

All: 40.676+/-0.627 χ^2/NDF: 1556.7/60



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -134.968+/-0.059 χ^2/NDF:954857.1/13

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -157.720+/-0.063 χ^2/NDF:48350.4/11

Left: -145.516+/-0.043 χ^2/NDF: 1072329.9/25

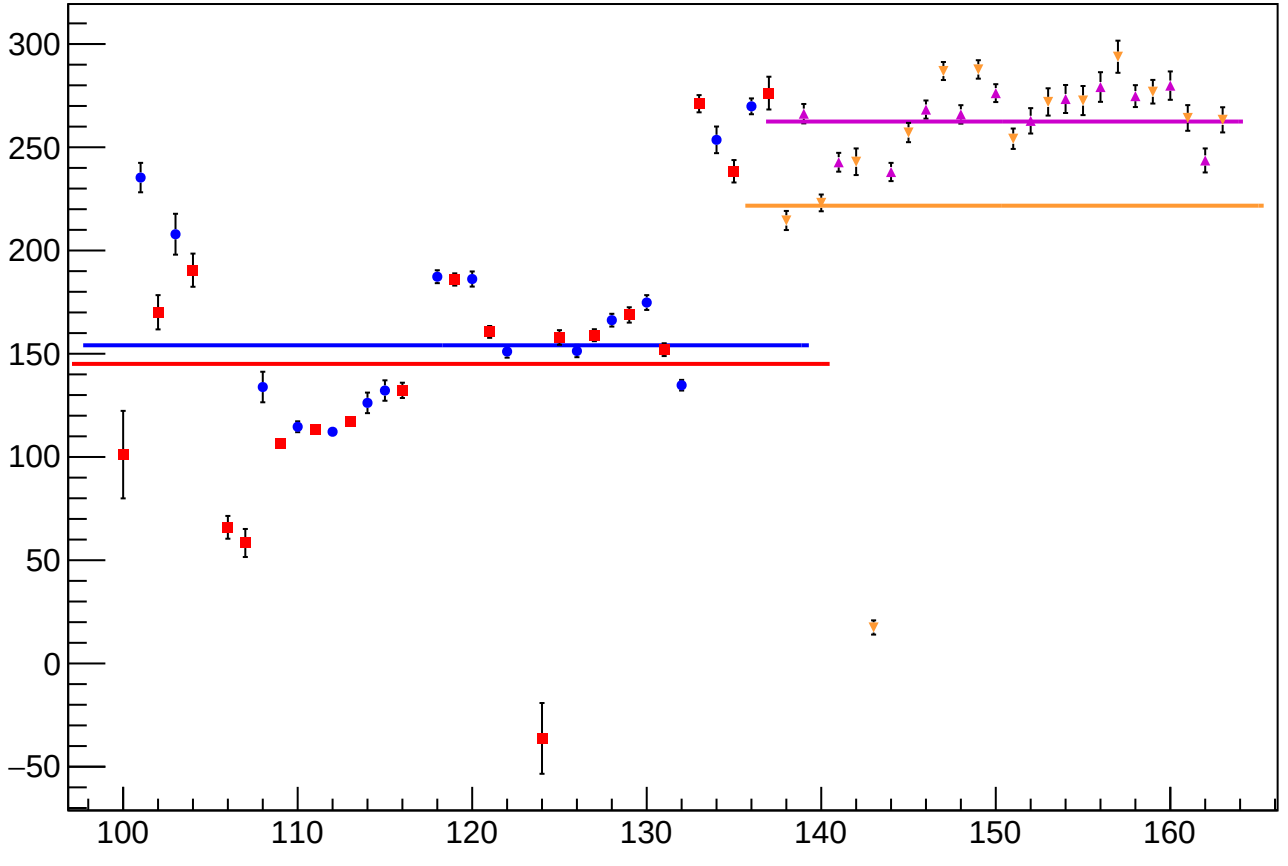
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -111.525+/-0.045 χ^2/NDF:2162227.6/27

Out: -98.465+/-0.043 χ^2/NDF:2641407.8/32

All: -104.667+/-0.031 χ^2/NDF: 4847936.4/60

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 221.707+/-1.351 χ^2/NDF:4454.1/13

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 262.455+/-1.484 χ^2/NDF:92.8/11

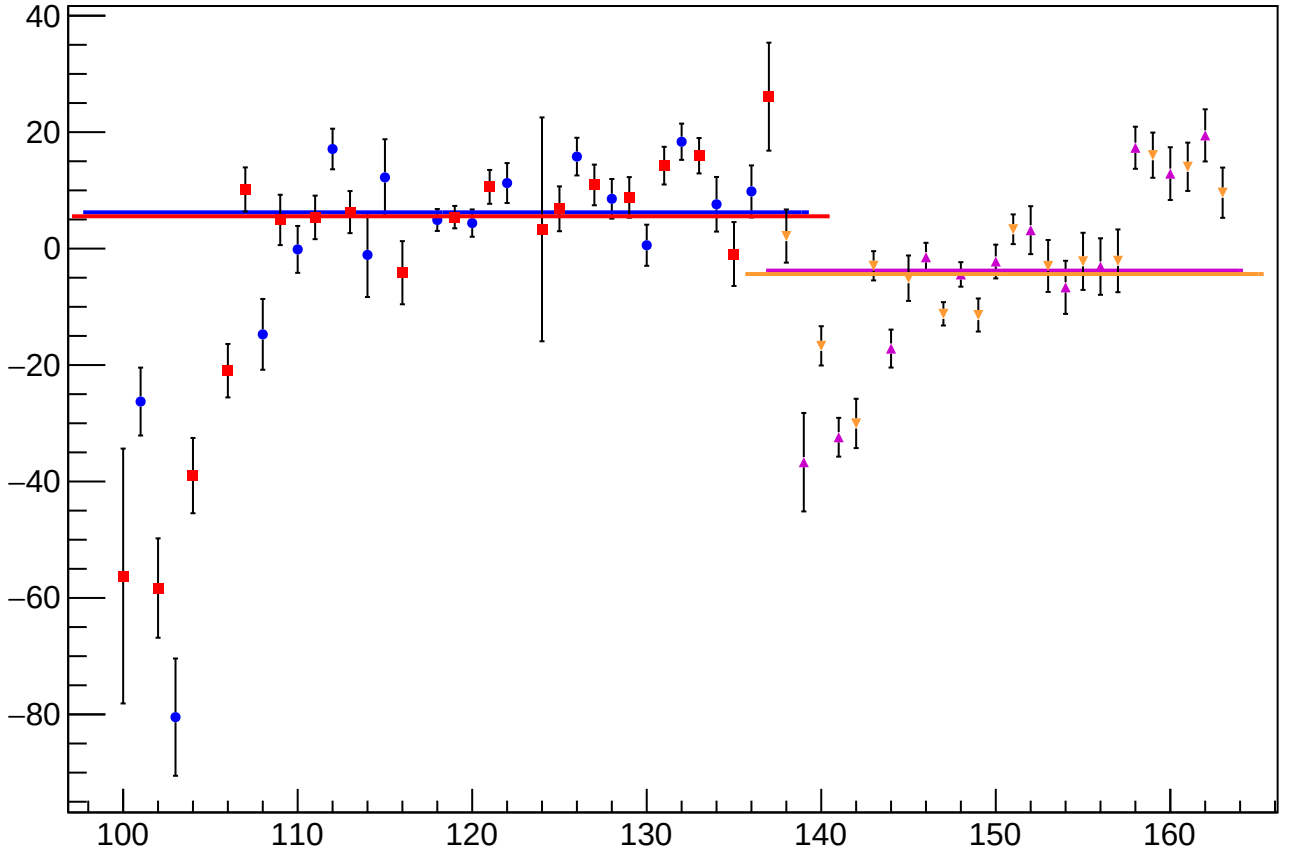
Left: 240.167+/-0.999 χ^2/NDF: 4959.1/25

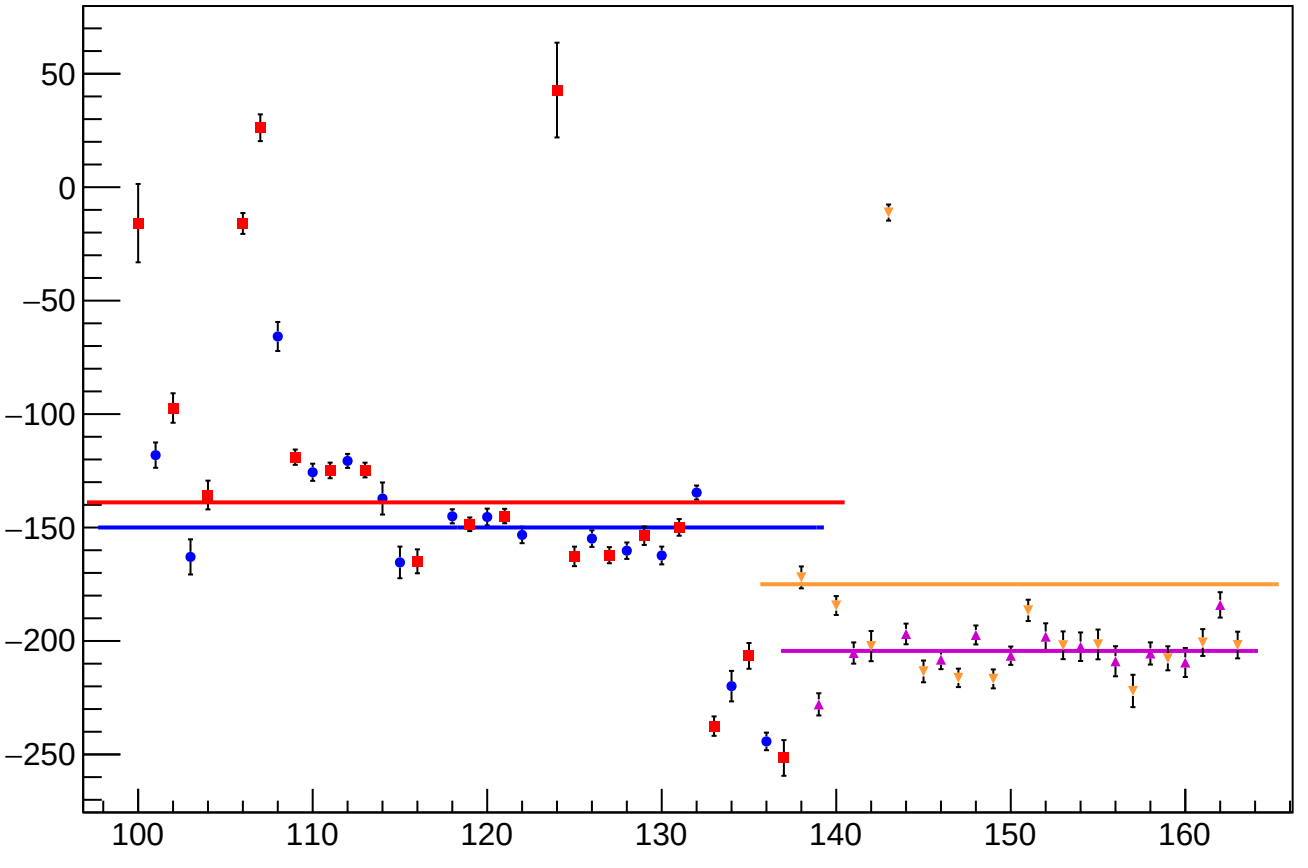
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 181.762+/-0.750 χ^2/NDF:6342.7/27

Out: 165.937+/-0.705 χ^2/NDF:9754.4/32

All: 173.358+/-0.514 χ^2/NDF: 16333.5/60


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -4.370+/-0.896 χ²/NDF:137.6/13
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -3.784+/-0.985 χ²/NDF:184.9/11
Left: -4.105+/-0.663 χ²/NDF: 322.7/25
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 1.728+/-0.660 χ²/NDF:403.8/27
Out: 0.624+/-0.631 χ²/NDF:380.5/32
All: 1.151+/-0.456 χ²/NDF: 785.8/60



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -174.991+/-1.322 χ^2/NDF:2589.3/13

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -204.384+/-1.434 χ^2/NDF:45.4/11

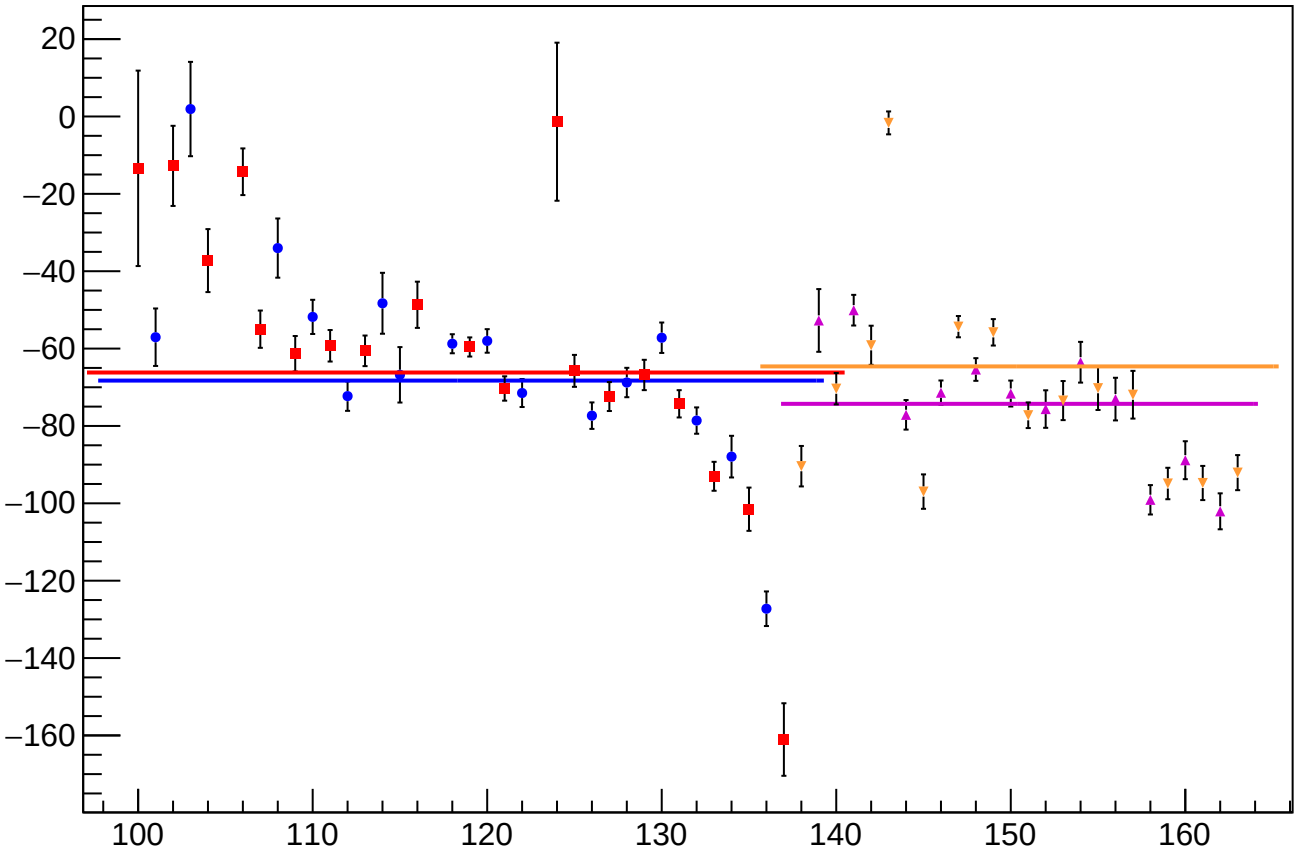
Left: -188.492+/-0.972 χ^2/NDF: 2861.8/25

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -168.382+/-0.834 χ^2/NDF:2097.2/27

Out: -151.934+/-0.794 χ^2/NDF:5816.3/32

All: -159.753+/-0.575 χ^2/NDF: 8117.4/60



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -64.610+/-1.074 χ^2/NDF:711.3/13

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -74.285+/-1.177 χ^2/NDF:147.1/11

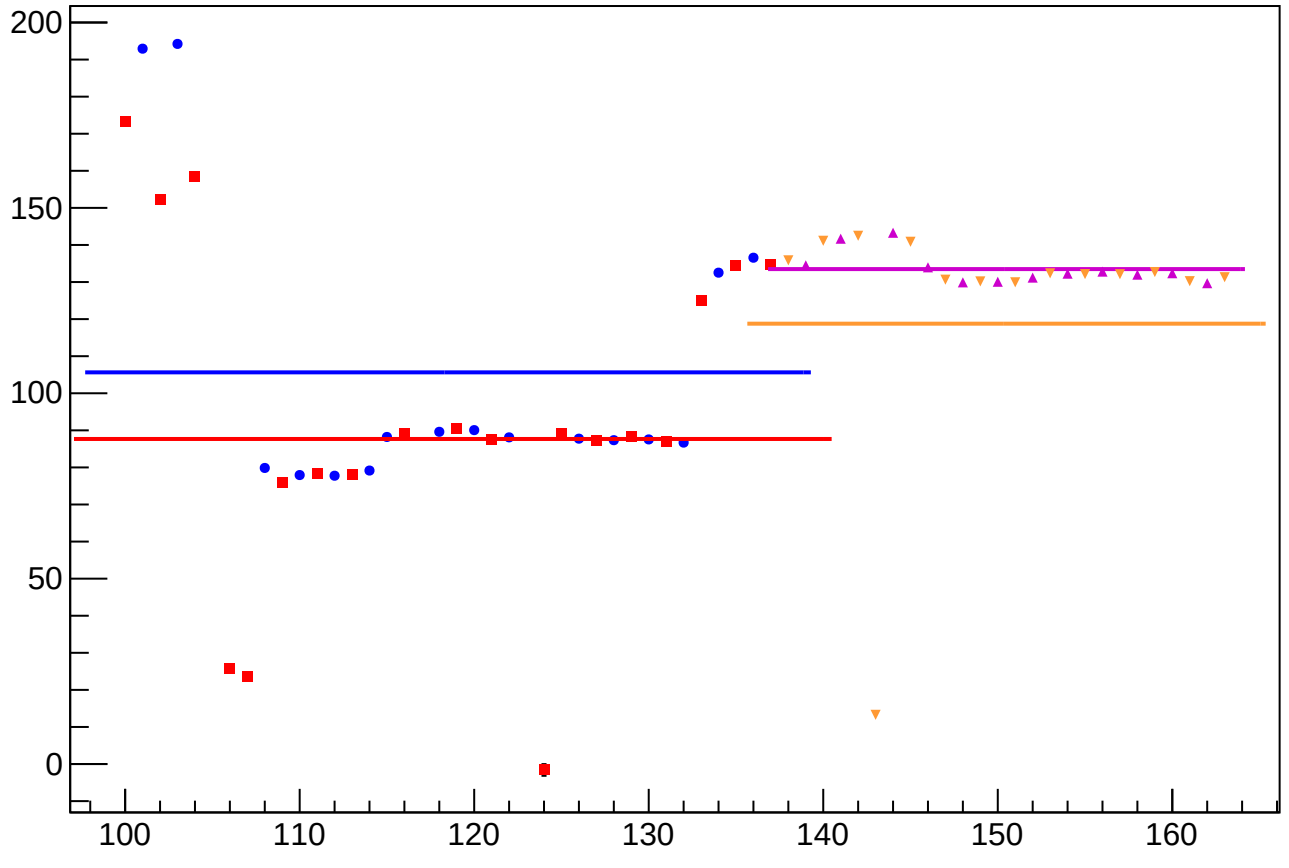
Left: -69.006+/-0.793 χ^2/NDF: 895.3/25

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -70.890+/-0.776 χ^2/NDF:477.2/27

Out: -65.435+/-0.741 χ^2/NDF:1070.8/32

All: -68.035+/-0.536 χ^2/NDF: 1573.9/60



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 118.768+/-0.052 χ^2/NDF:593449.4/13

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 133.493+/-0.055 χ^2/NDF:5676.4/11

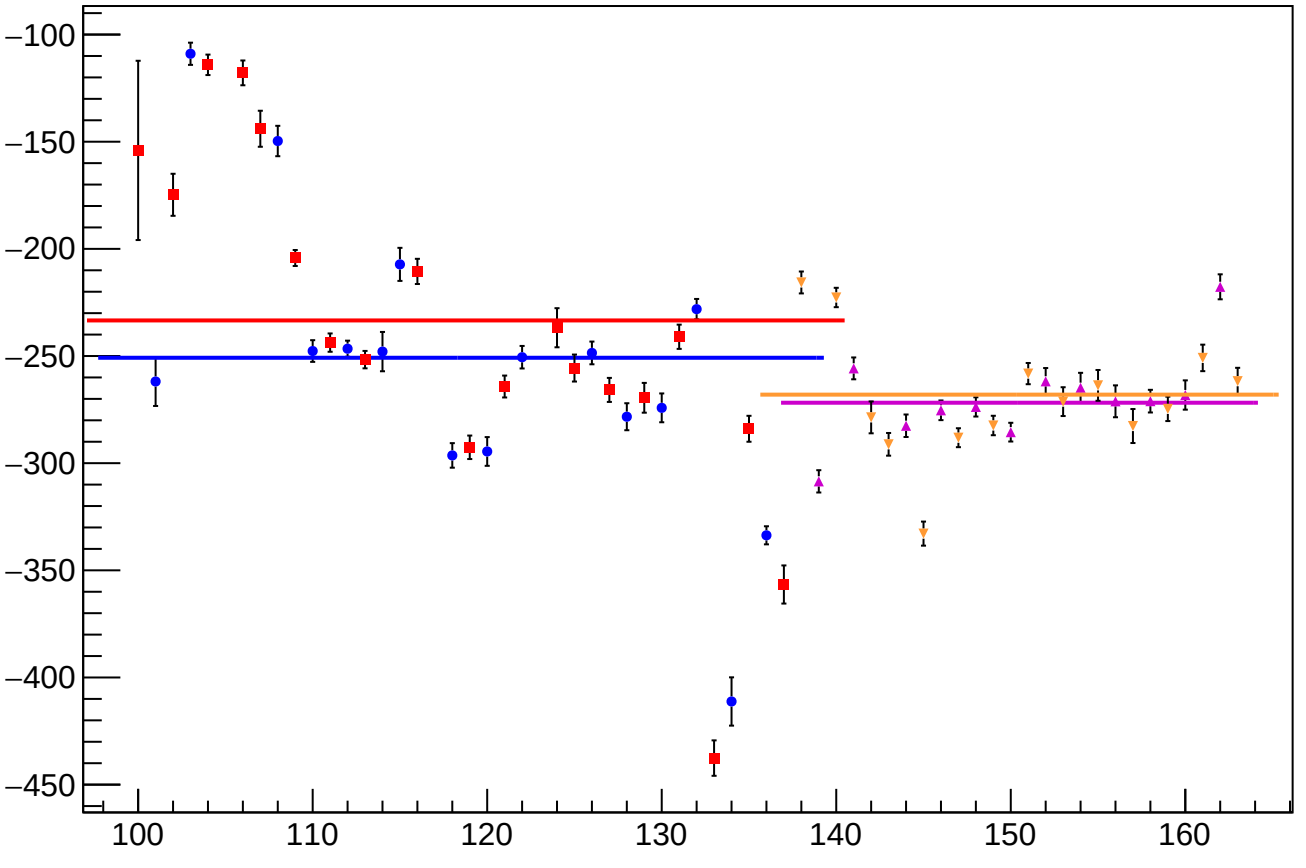
Left: 125.702+/-0.038 χ^2/NDF: 637100.0/25

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.025+/-0.043 χ^2/NDF:341804.0/27

Out: 106.817+/-0.041 χ^2/NDF:1106124.6/32

All: 114.394+/-0.030 χ^2/NDF: 1522108.8/60



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.019+/-1.485 χ^2/NDF:408.9/13

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -271.795+/-1.557 χ^2/NDF:164.4/11

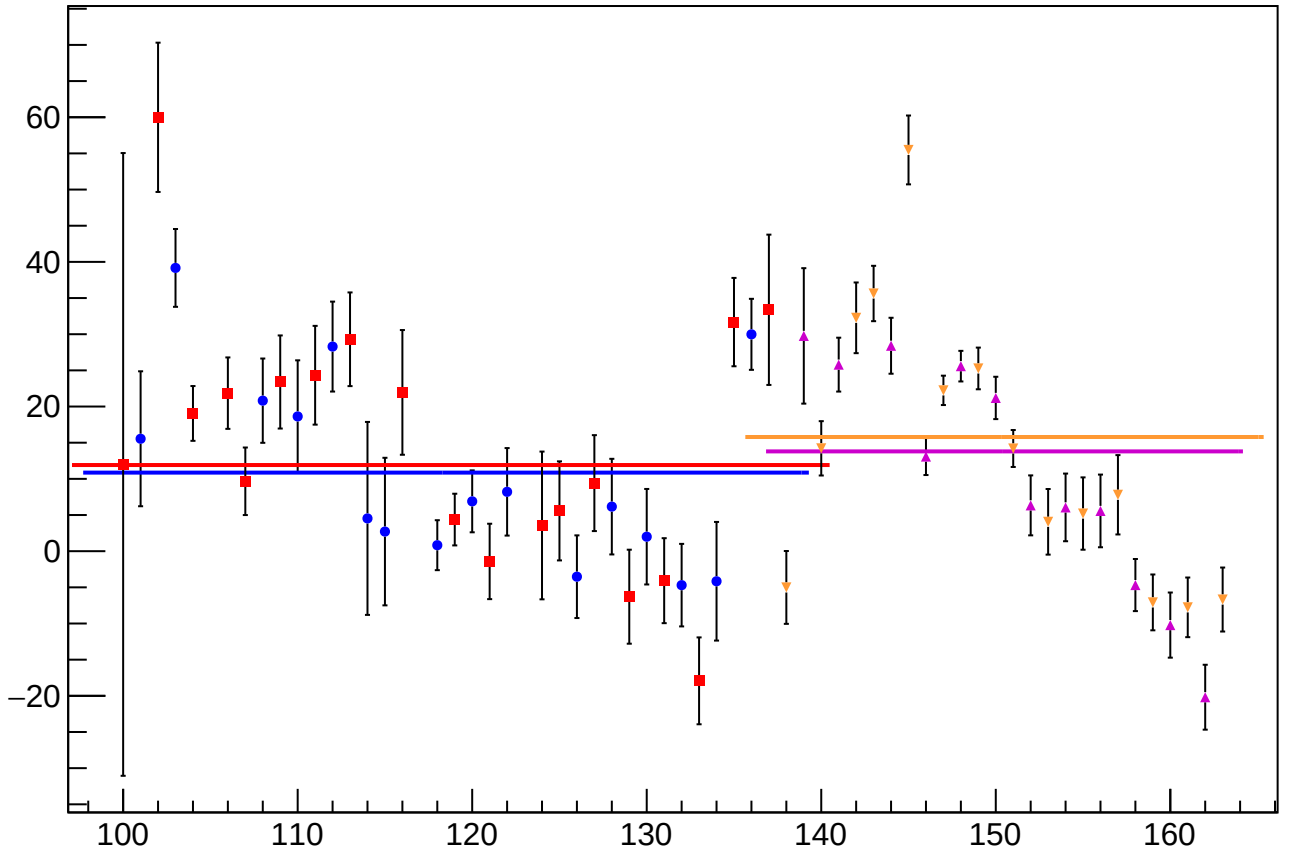
Left: -269.818+/-1.075 χ^2/NDF: 576.3/25

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -260.473+/-1.056 χ^2/NDF:1998.0/27

Out: -248.848+/-0.992 χ^2/NDF:3088.3/32

All: -254.296+/-0.723 χ^2/NDF: 5150.7/60



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 15.787+/-0.962 χ^2/NDF:253.1/13

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 13.798+/-1.019 χ^2/NDF:185.8/11

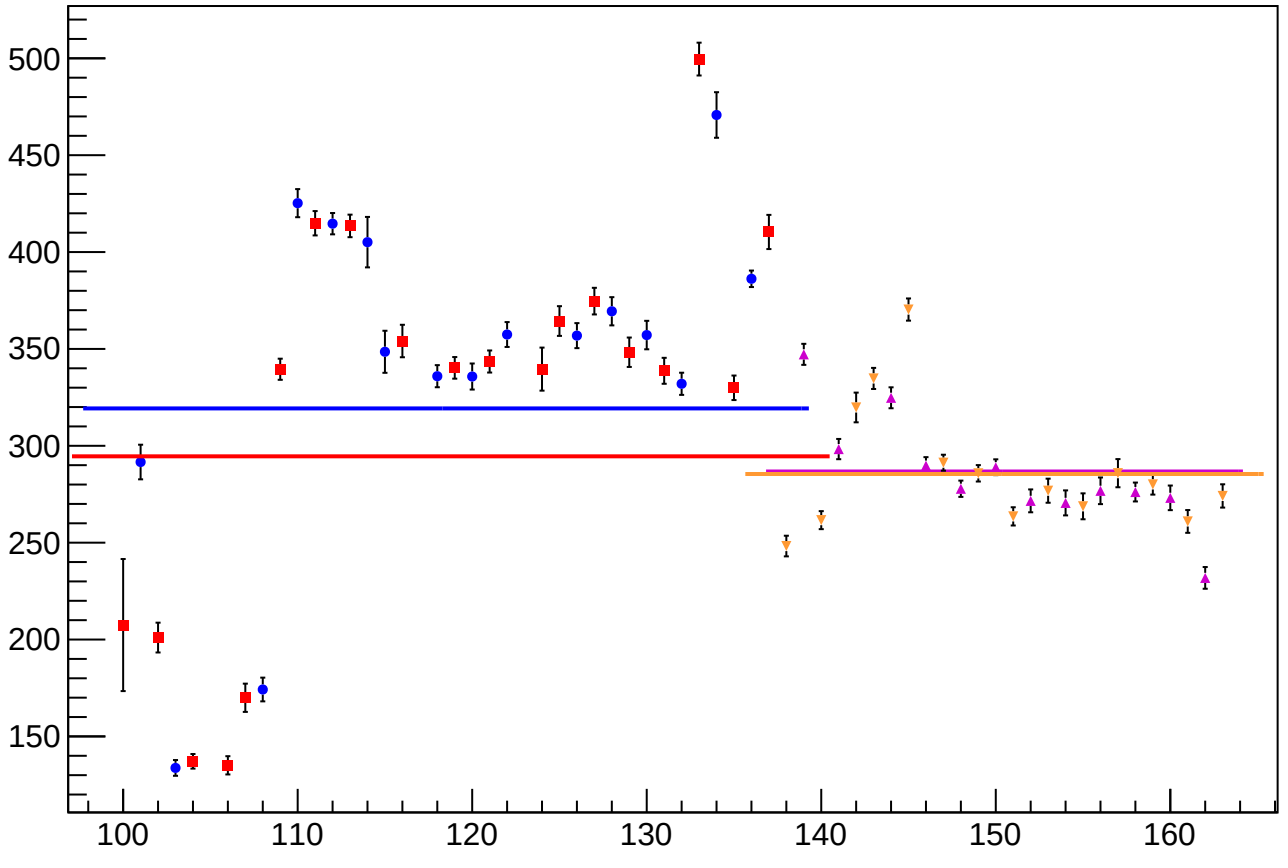
Left: 14.849+/-0.700 χ^2/NDF: 441.0/25

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 12.846+/-0.838 χ^2/NDF:273.2/27

Out: 14.504+/-0.787 χ^2/NDF:370.4/32

All: 13.726+/-0.574 χ^2/NDF: 645.7/60



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 285.444+/-1.440 χ^2/NDF:450.5/13

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 286.740+/-1.498 χ^2/NDF:304.1/11

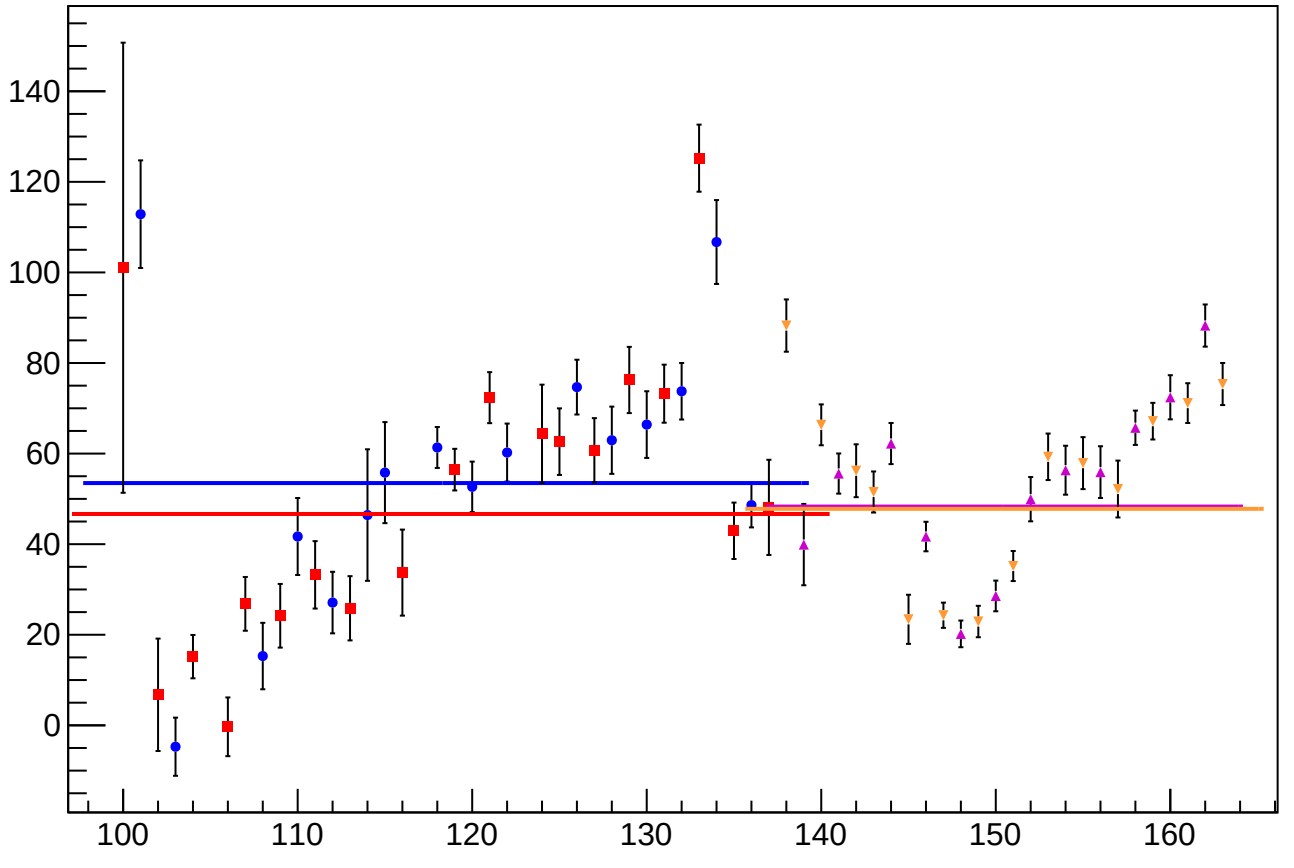
Left: 286.066+/-1.038 χ^2/NDF: 755.0/25

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 302.082+/-1.089 χ^2/NDF:4319.8/27

Out: 289.876+/-1.033 χ^2/NDF:5973.2/32

All: 295.655+/-0.749 χ^2/NDF: 10359.2/60



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 47.805+/-1.157 χ^2/NDF:320.9/13

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 48.306+/-1.219 χ^2/NDF:265.6/11

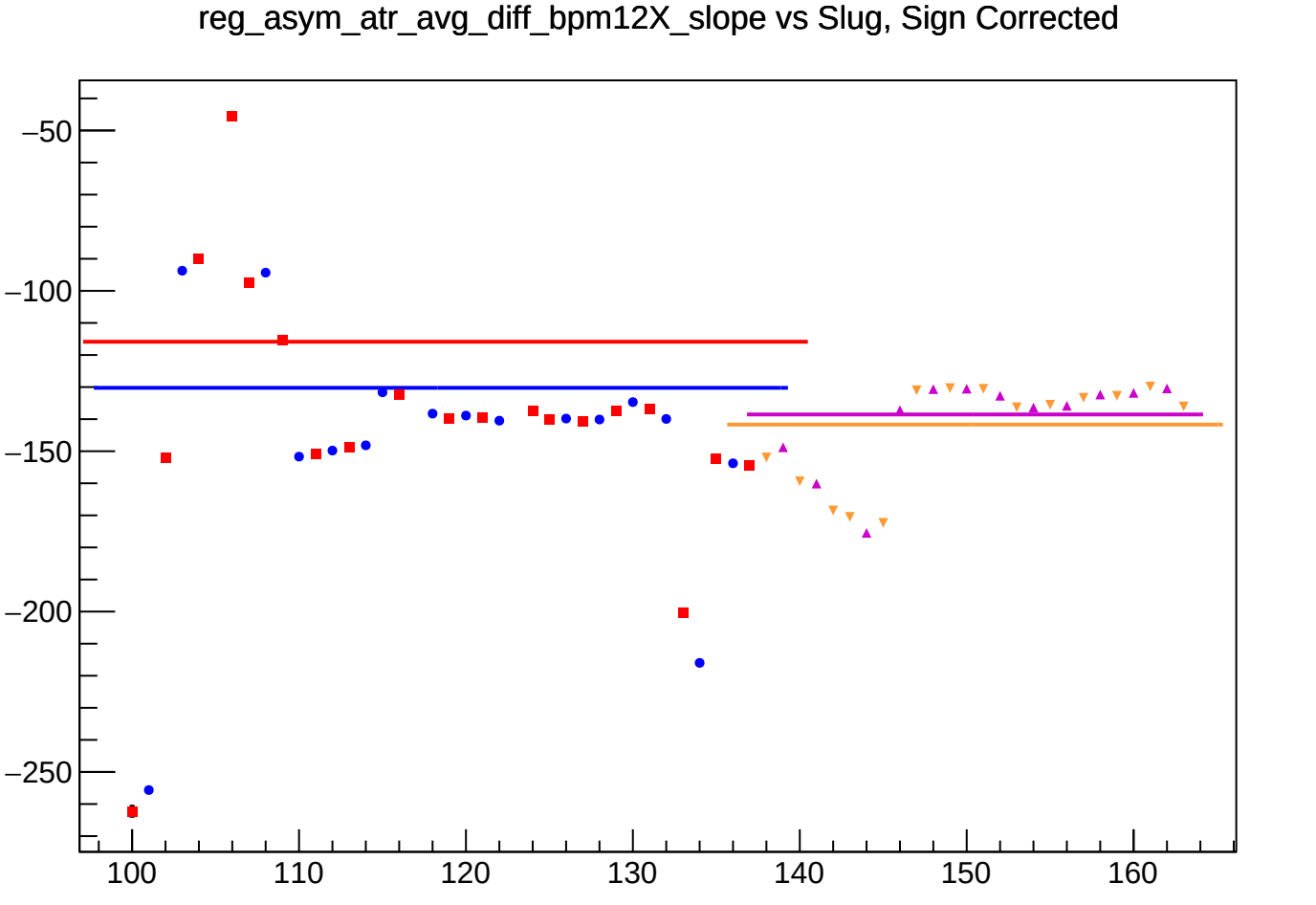
Left: 48.042+/-0.839 χ^2/NDF: 586.7/25

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 50.068+/-0.990 χ^2/NDF:489.0/27

Out: 47.411+/-0.936 χ^2/NDF:646.9/32

All: 48.666+/-0.680 χ^2/NDF: 1139.7/60



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -141.693+/-0.056 χ^2/NDF:71313.1/13

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -138.536+/-0.057 χ^2/NDF:45492.0/11

Left: -140.145+/-0.040 χ^2/NDF: 118361.2/25

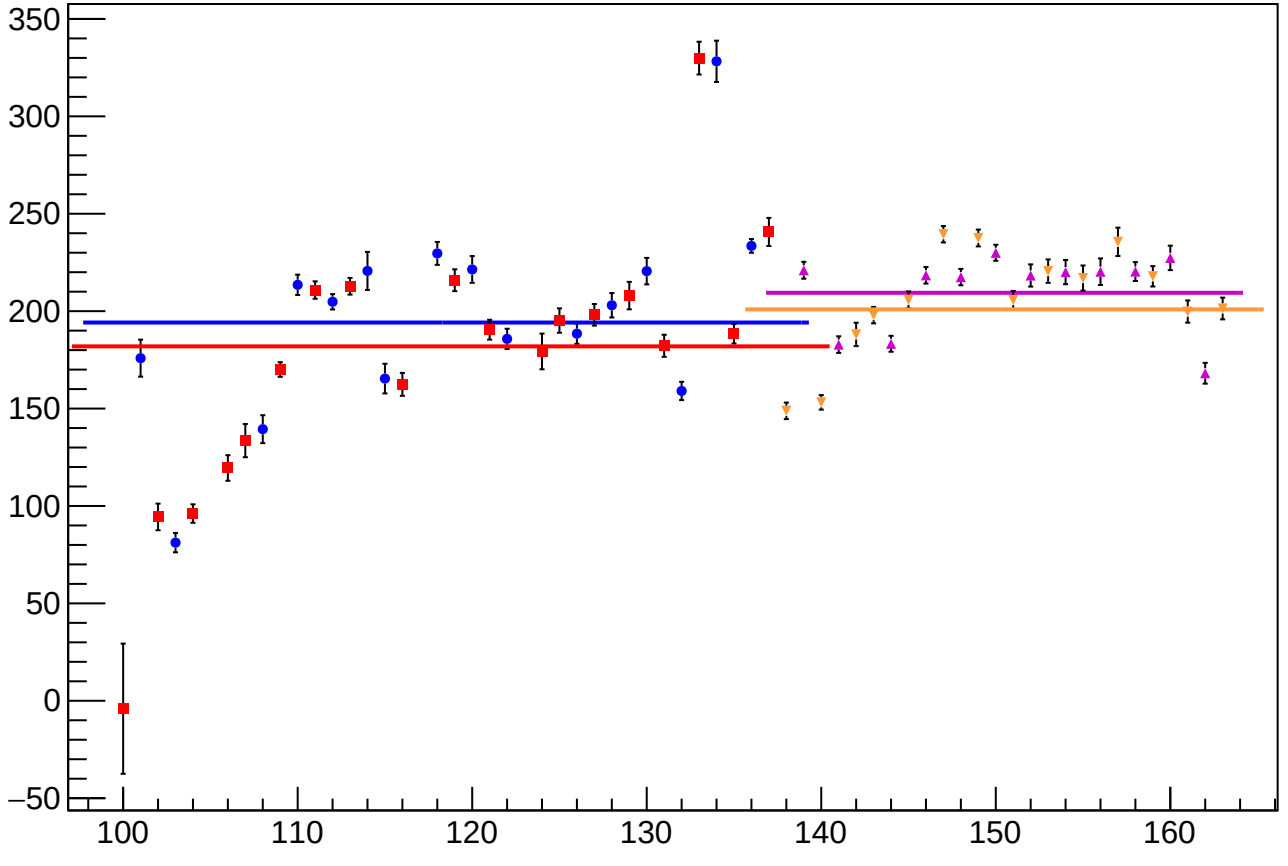
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.191+/-0.048 χ^2/NDF:225657.9/27

Out: -133.959+/-0.047 χ^2/NDF:340813.0/32

All: -135.040+/-0.034 χ^2/NDF: 567568.0/60

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 200.898+/-1.301 χ^2/NDF:526.2/13

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 209.432+/-1.386 χ^2/NDF:201.2/11

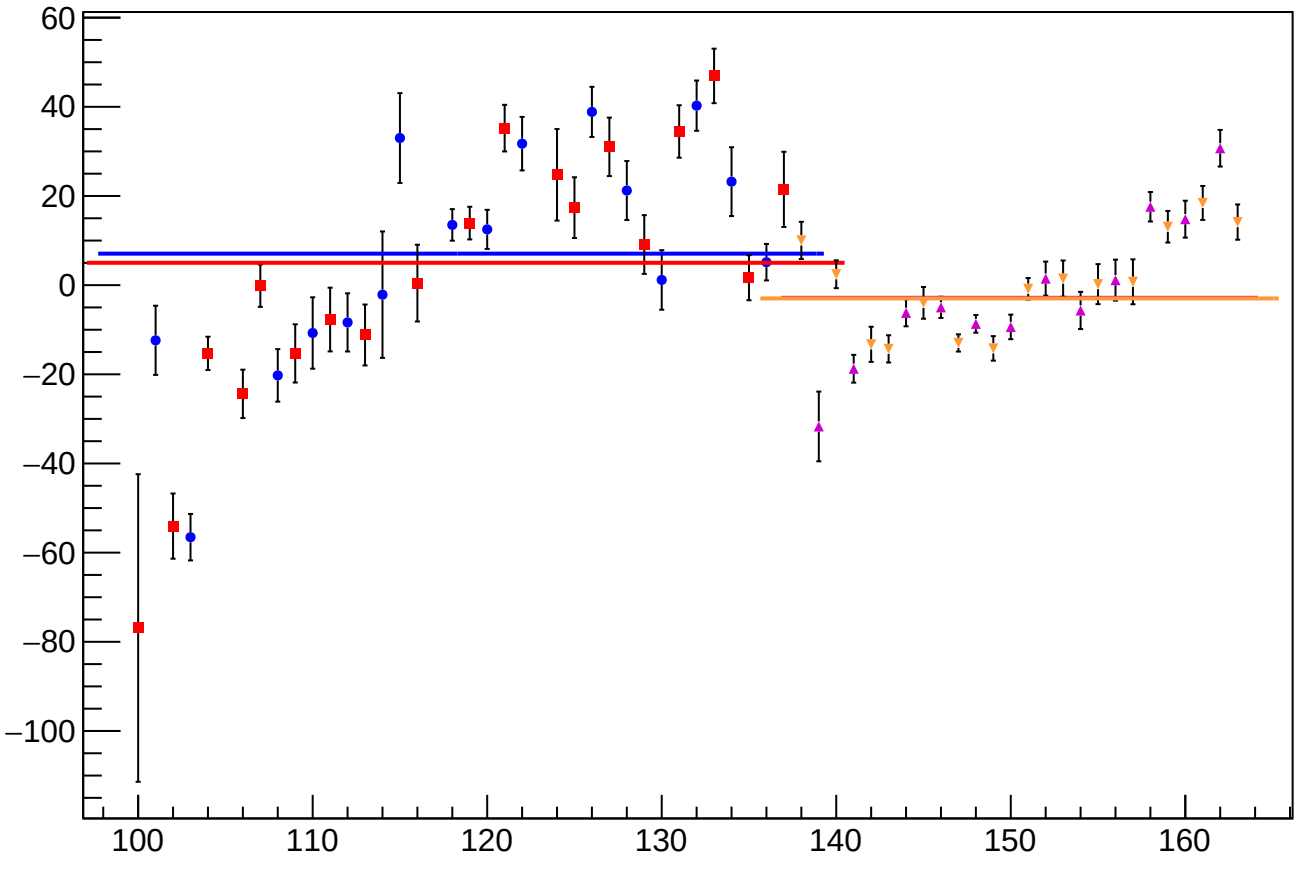
Left: 204.896+/-0.948 χ^2/NDF: 747.6/25

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 201.912+/-0.987 χ^2/NDF:1296.2/27

Out: 191.564+/-0.927 χ^2/NDF:1835.7/32

All: 196.415+/-0.676 χ^2/NDF: 3190.2/60



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -2.980+/-0.863 χ^2/NDF:150.8/13

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -2.840+/-0.923 χ^2/NDF:181.6/11

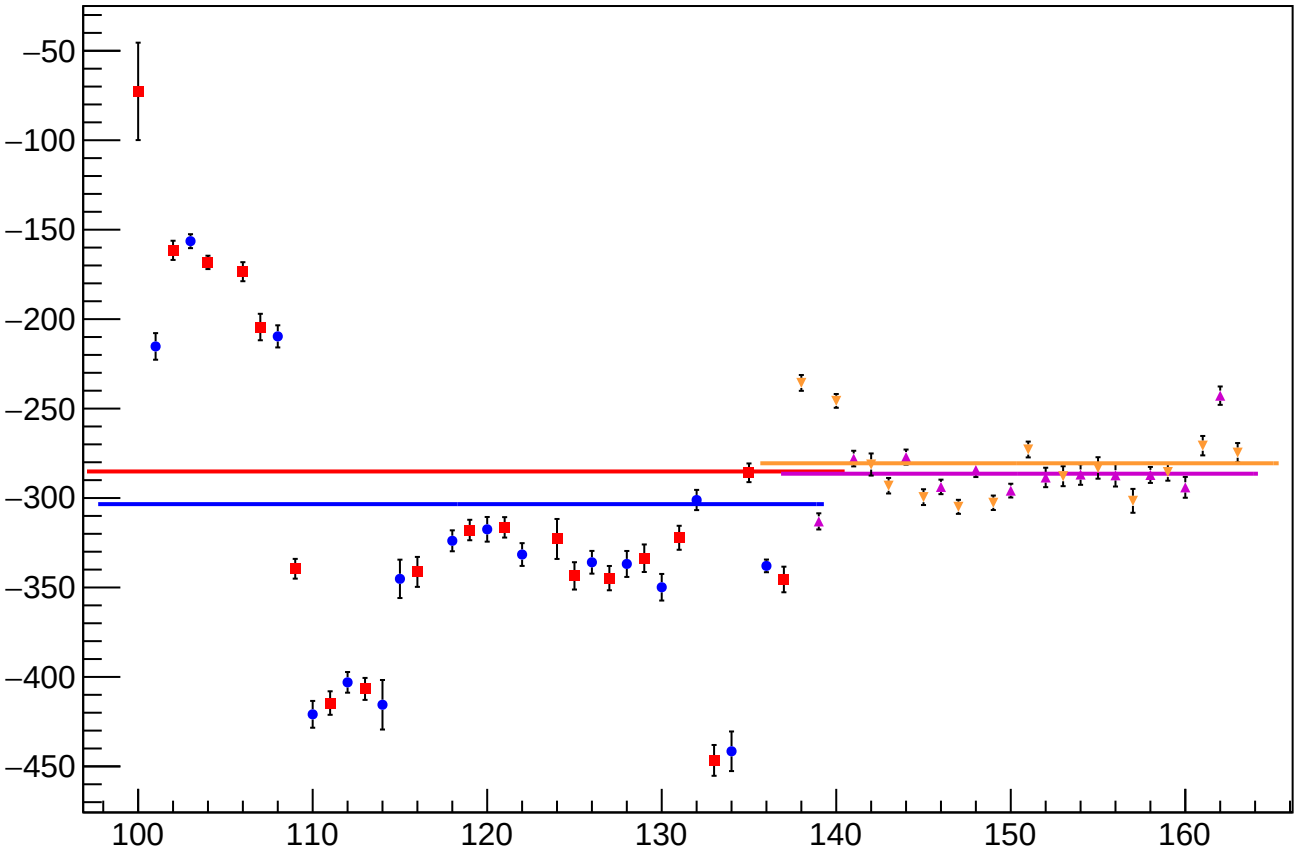
Left: -2.915+/-0.630 χ^2/NDF: 332.4/25

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 0.035+/-0.777 χ^2/NDF:507.7/27

Out: -0.674+/-0.728 χ^2/NDF:464.1/32

All: -0.343+/-0.531 χ^2/NDF: 972.2/60



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.572+/-1.270 χ^2/NDF:300.4/13

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -286.405+/-1.339 χ^2/NDF:127.2/11

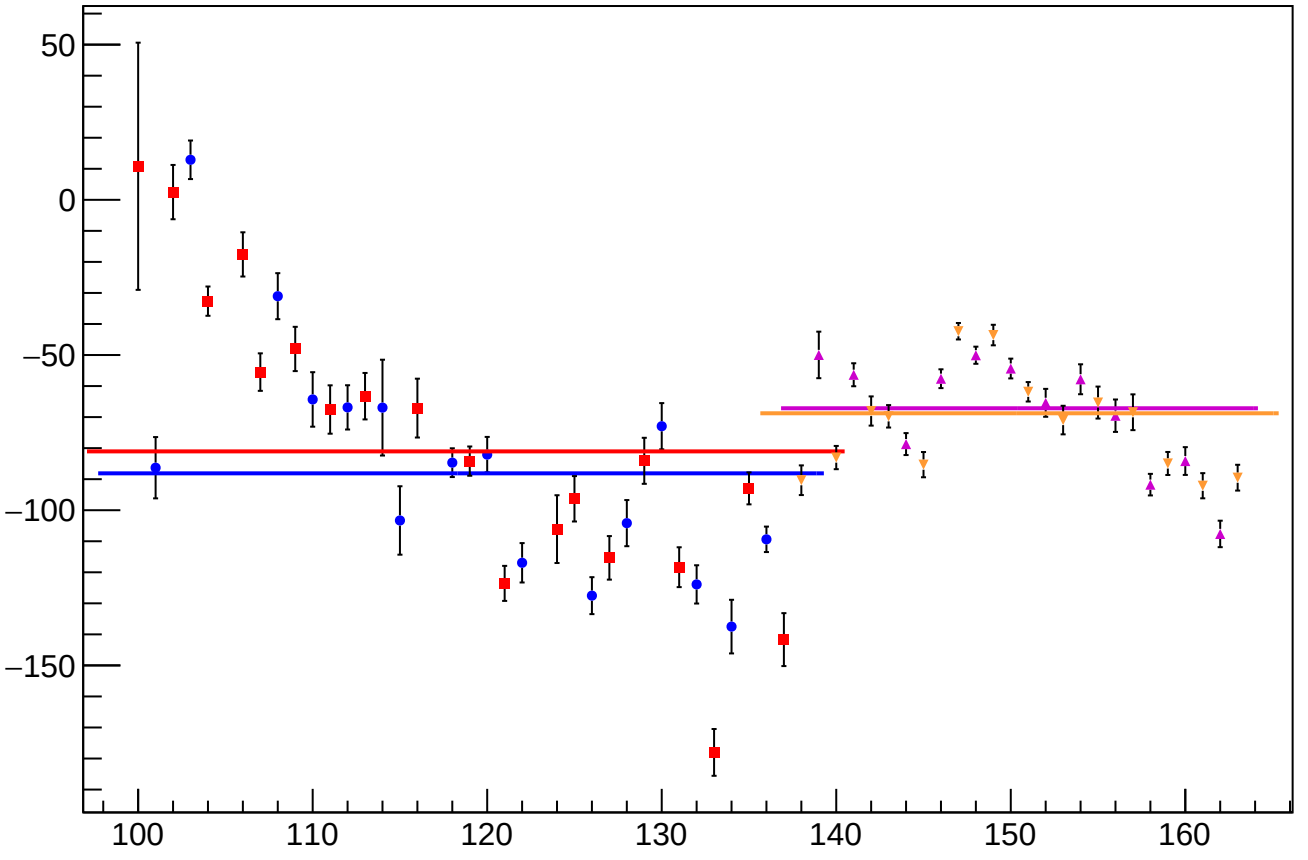
Left: -283.334+/-0.922 χ^2/NDF: 437.6/25

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -293.781+/-1.008 χ^2/NDF:2982.6/27

Out: -282.557+/-0.956 χ^2/NDF:4060.9/32

All: -287.871+/-0.693 χ^2/NDF: 7108.8/60



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -68.770+/-1.032 χ^2/NDF:291.4/13

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -67.153+/-1.100 χ^2/NDF:247.6/11

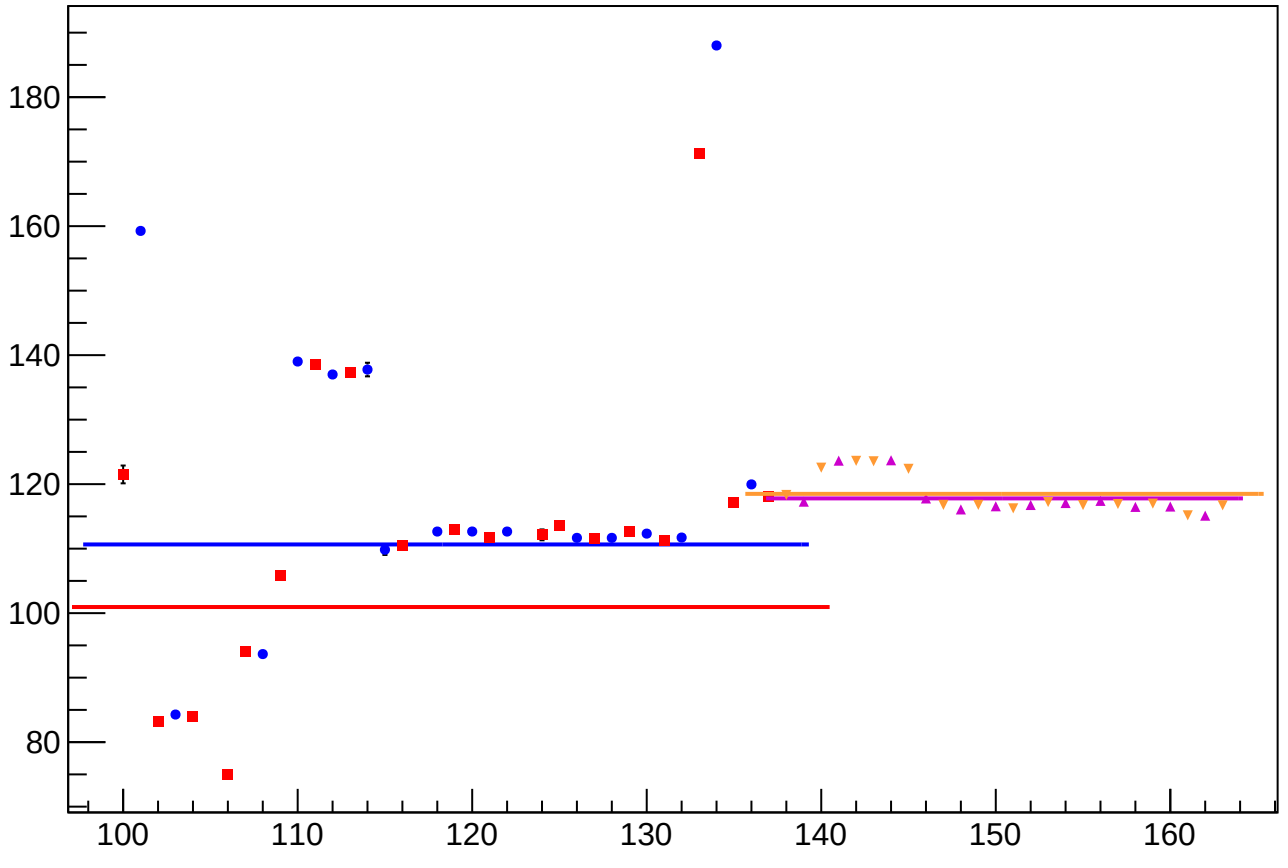
Left: -68.013+/-0.753 χ^2/NDF: 540.2/25

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -73.578+/-0.916 χ^2/NDF:870.8/27

Out: -72.478+/-0.862 χ^2/NDF:1011.7/32

All: -72.995+/-0.628 χ^2/NDF: 1883.3/60



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 118.493+/-0.050 χ^2/NDF:3245.9/13

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.790+/-0.051 χ^2/NDF:2596.3/11

Left: 118.153+/-0.036 χ^2/NDF: 5939.6/25

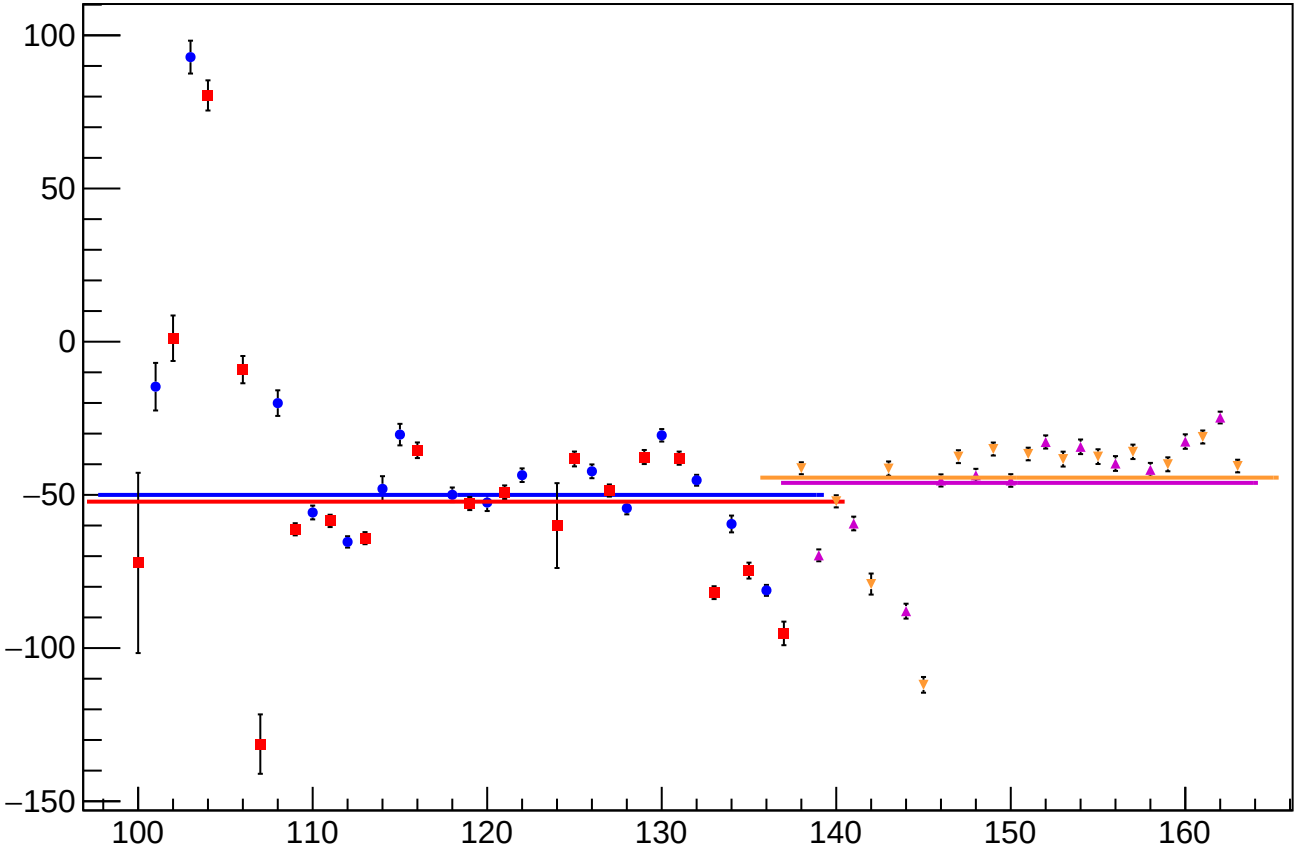
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.914+/-0.044 χ^2/NDF:91219.5/27

Out: 113.713+/-0.042 χ^2/NDF:99403.4/32

All: 114.770+/-0.030 χ^2/NDF: 191924.7/60

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -44.367+/-0.599 χ^2/NDF:929.1/13

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -46.081+/-0.625 χ^2/NDF:710.5/11

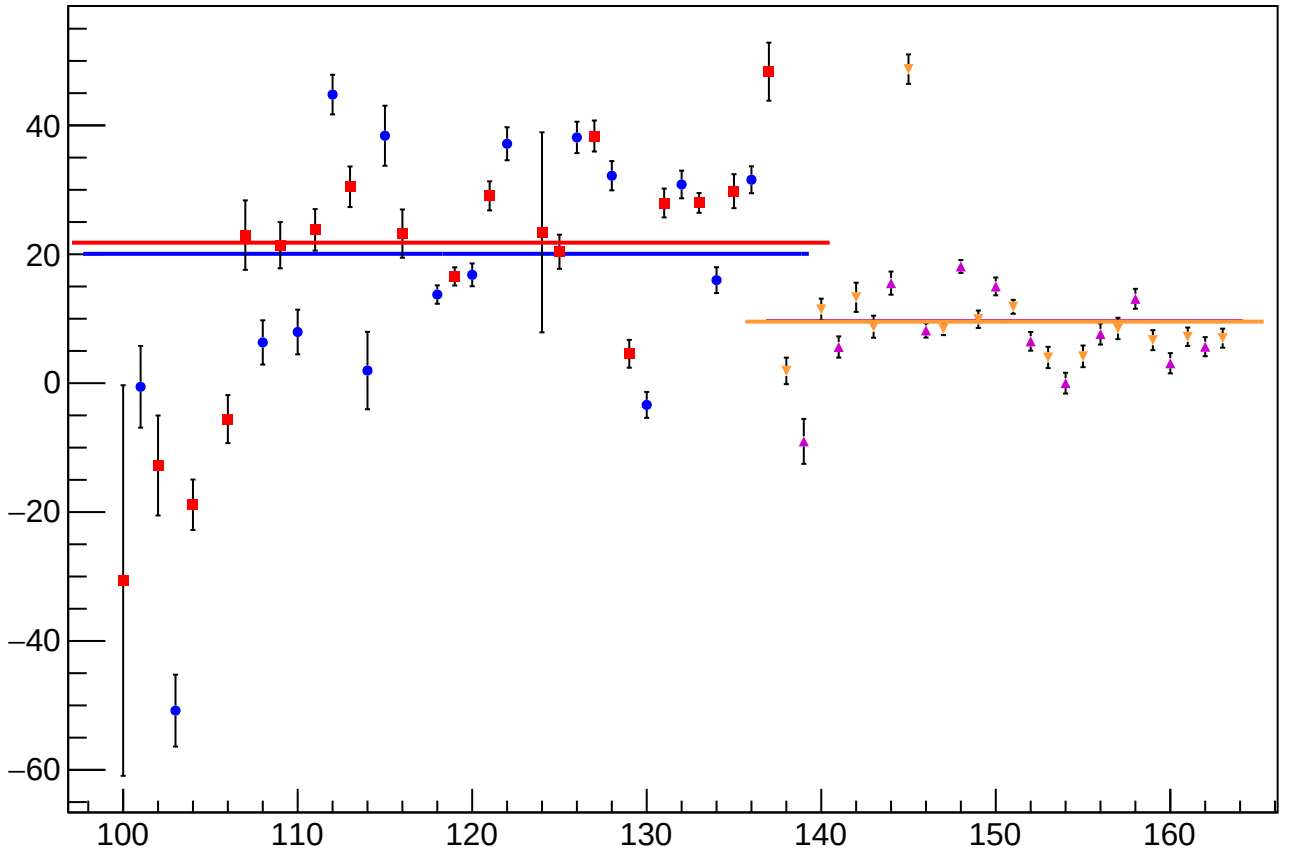
Left: -45.188+/-0.433 χ^2/NDF: 1643.5/25

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -48.093+/-0.437 χ^2/NDF:2058.0/27

Out: -48.251+/-0.426 χ^2/NDF:2584.2/32

All: -48.174+/-0.305 χ^2/NDF: 4642.3/60



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 9.545+/-0.400 χ^2/NDF:349.1/13

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.640+/-0.422 χ^2/NDF:205.9/11

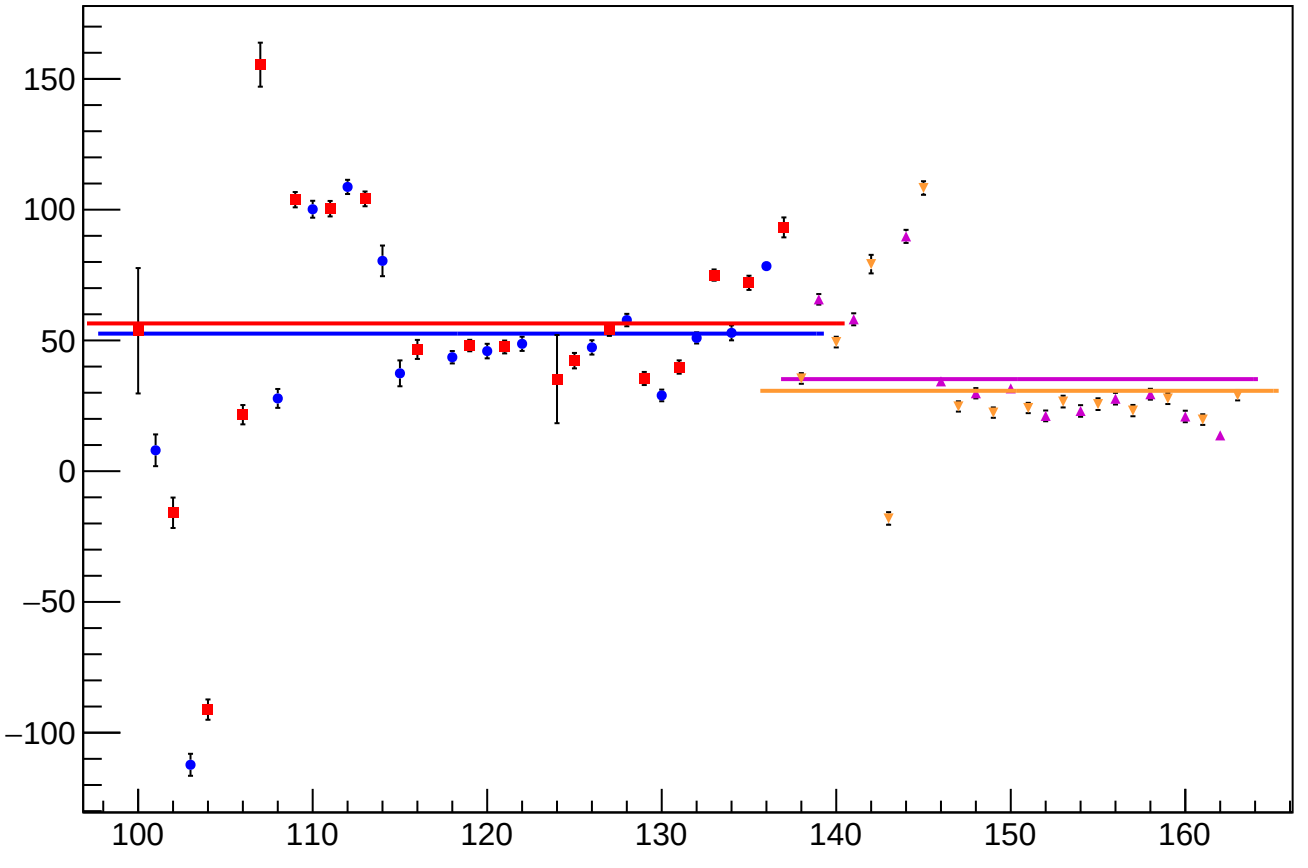
Left: 9.590+/-0.291 χ^2/NDF: 555.1/25

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 13.007+/-0.348 χ^2/NDF:1038.9/27

Out: 13.132+/-0.337 χ^2/NDF:1020.0/32

All: 13.072+/-0.242 χ^2/NDF: 2059.0/60



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 30.733+/-0.579 χ^2/NDF:1668.4/13

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 35.205+/-0.601 χ^2/NDF:1086.6/11

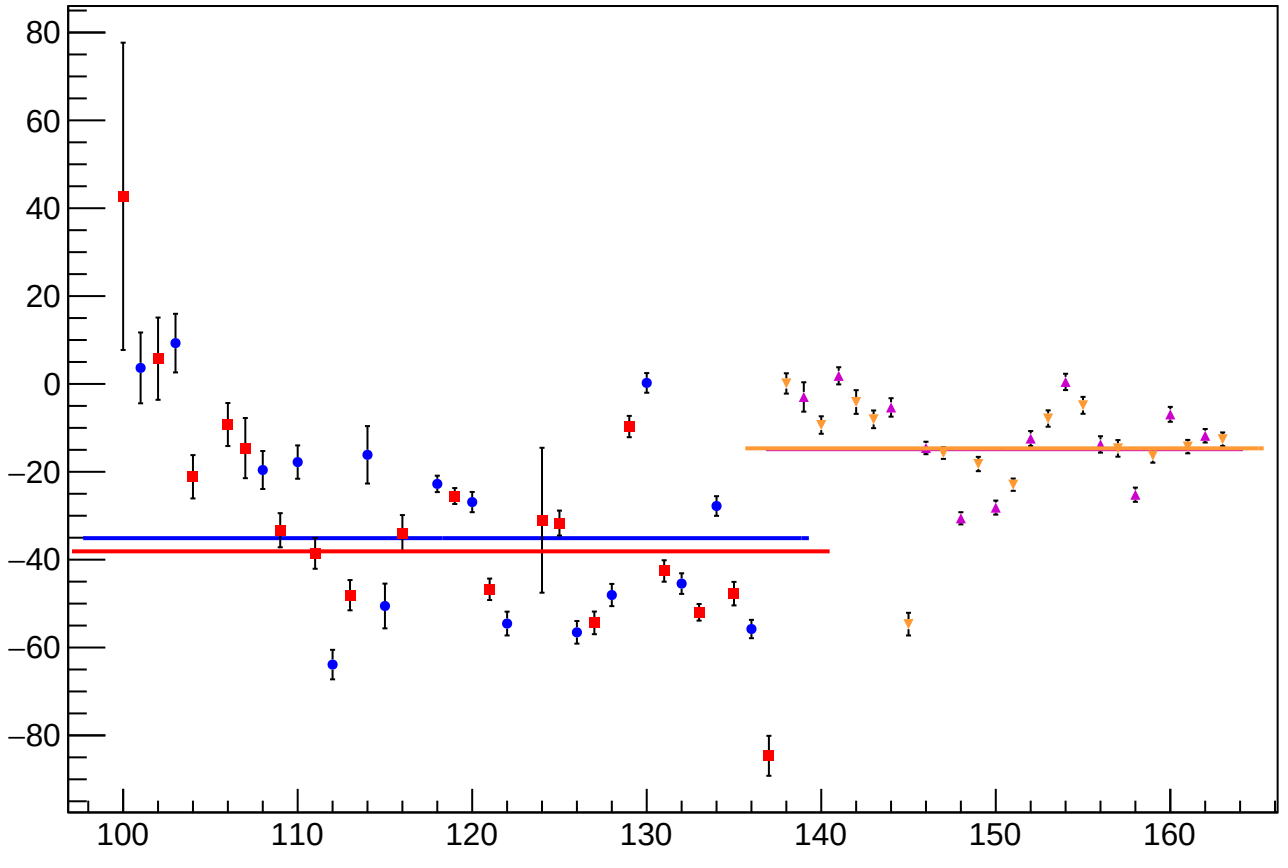
Left: 32.887+/-0.417 χ^2/NDF: 2783.7/25

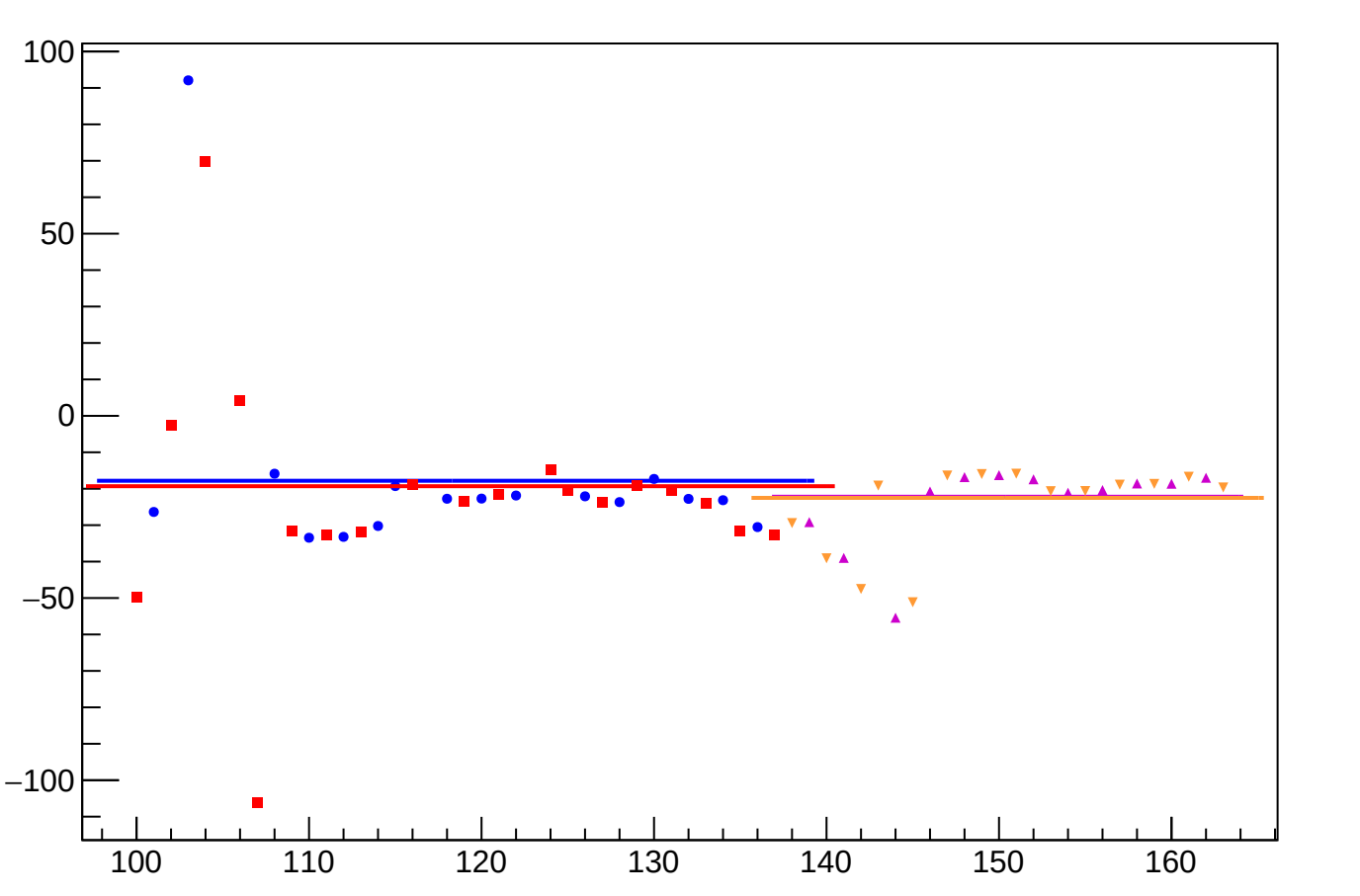
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 42.632+/-0.455 χ^2/NDF:4103.9/27

Out: 41.111+/-0.448 χ^2/NDF:5430.7/32

All: 41.859+/-0.319 χ^2/NDF: 9540.2/60


reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: -35.104+/-0.700 χ²/NDF: 773.2/15
Left Out: -14.661+/-0.472 χ²/NDF:396.2/13
Right Out: -38.109+/-0.714 χ²/NDF: 514.6/18
Left In: -14.847+/-0.497 χ²/NDF:441.1/11
Left: -14.750+/-0.342 χ²/NDF: 837.4/25
Right: -36.577+/-0.500 χ²/NDF: 1296.8/34
In: -21.630+/-0.405 χ²/NDF:1771.2/27
Out: -21.796+/-0.394 χ²/NDF:1661.4/32
All: -21.715+/-0.282 χ²/NDF: 3432.7/60



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -22.513+/-0.022 χ^2/NDF:183385.7/13

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -22.197+/-0.022 χ^2/NDF:154972.6/11

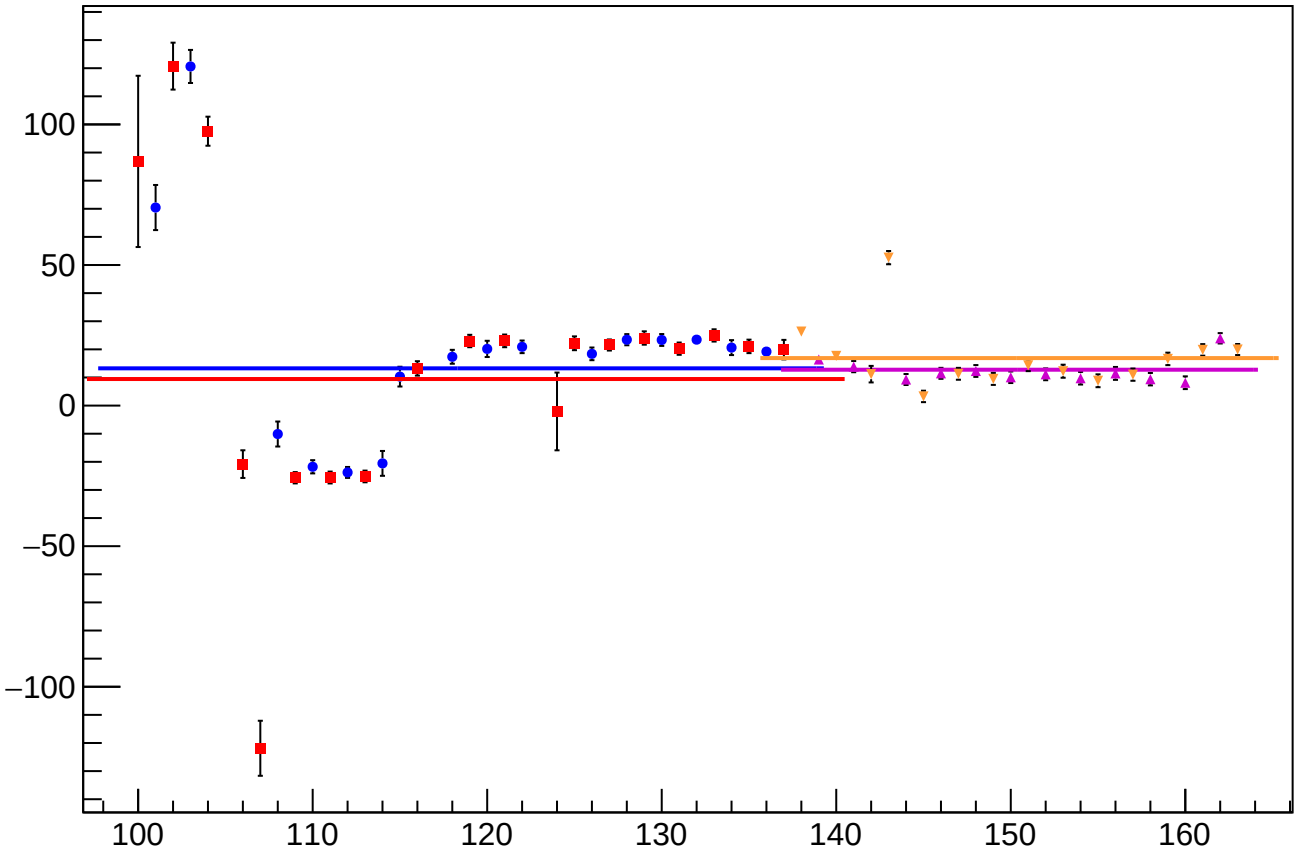
Left: -22.359+/-0.016 χ^2/NDF: 338460.0/25

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -21.268+/-0.020 χ^2/NDF:589164.7/27

Out: -21.924+/-0.020 χ^2/NDF:531951.8/32

All: -21.598+/-0.014 χ^2/NDF: 1121663.1/60



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 16.896+/-0.565 χ^2/NDF:354.6/13

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.761+/-0.589 χ^2/NDF:56.1/11

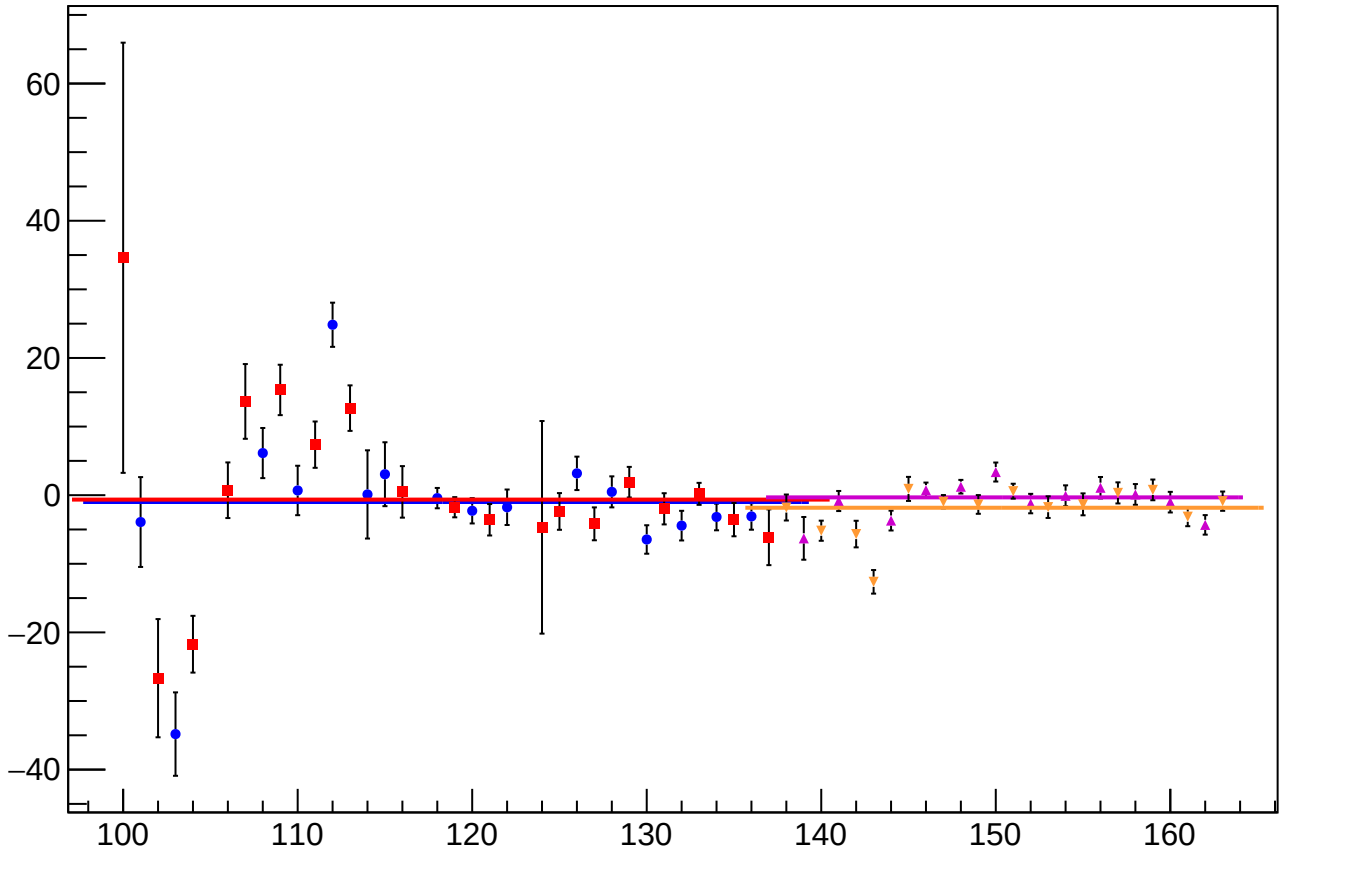
Left: 14.917+/-0.408 χ^2/NDF: 436.4/25

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.996+/-0.425 χ^2/NDF:1238.9/27

Out: 13.491+/-0.416 χ^2/NDF:2270.8/32

All: 13.249+/-0.297 χ^2/NDF: 3510.4/60



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.833+/-0.384 χ^2/NDF:63.3/13

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.321+/-0.405 χ^2/NDF:29.2/11

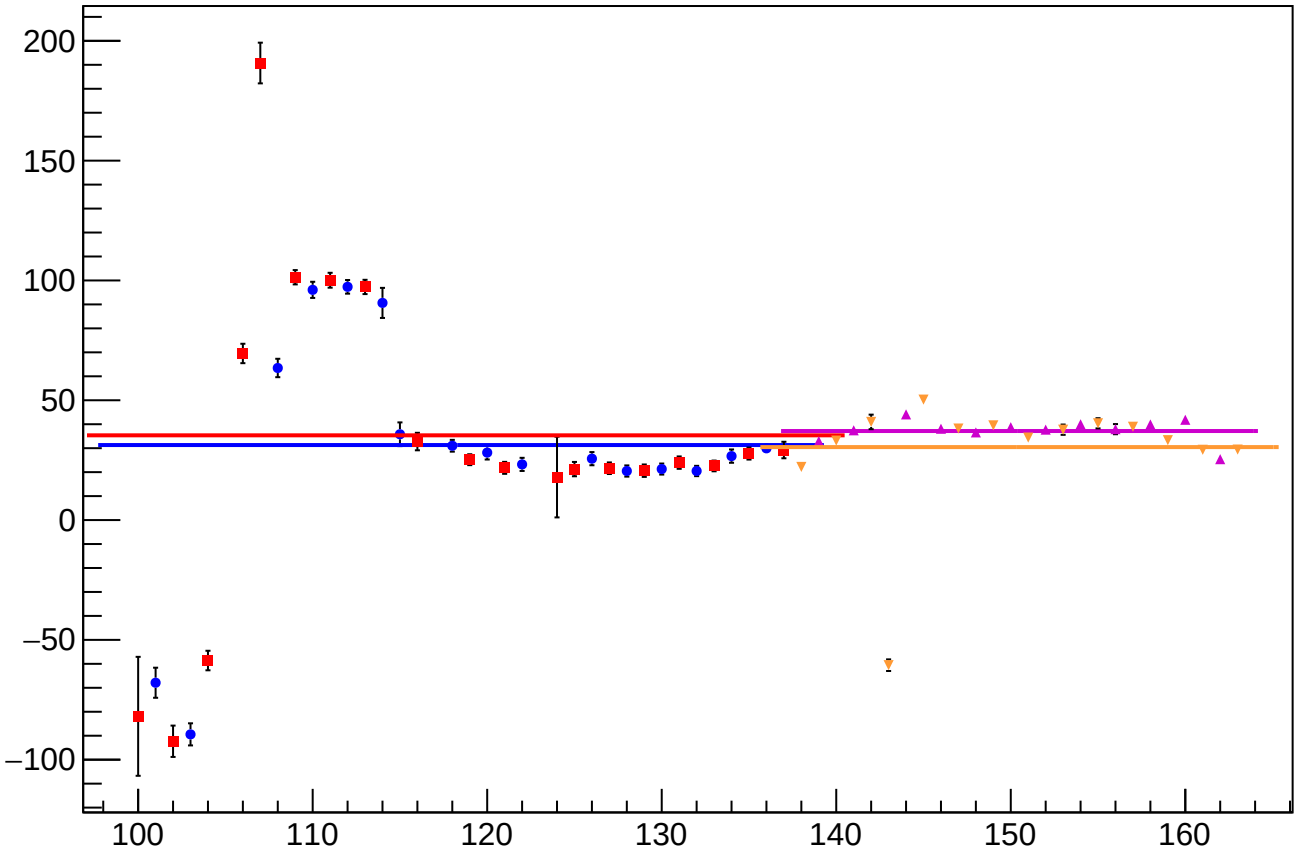
Left: -1.117+/-0.278 χ^2/NDF: 99.9/25

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.522+/-0.339 χ^2/NDF:146.4/27

Out: -1.516+/-0.328 χ^2/NDF:160.1/32

All: -1.034+/-0.236 χ^2/NDF: 310.9/60



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 30.454+/-0.548 χ^2/NDF:1625.6/13

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.162+/-0.568 χ^2/NDF:71.2/11

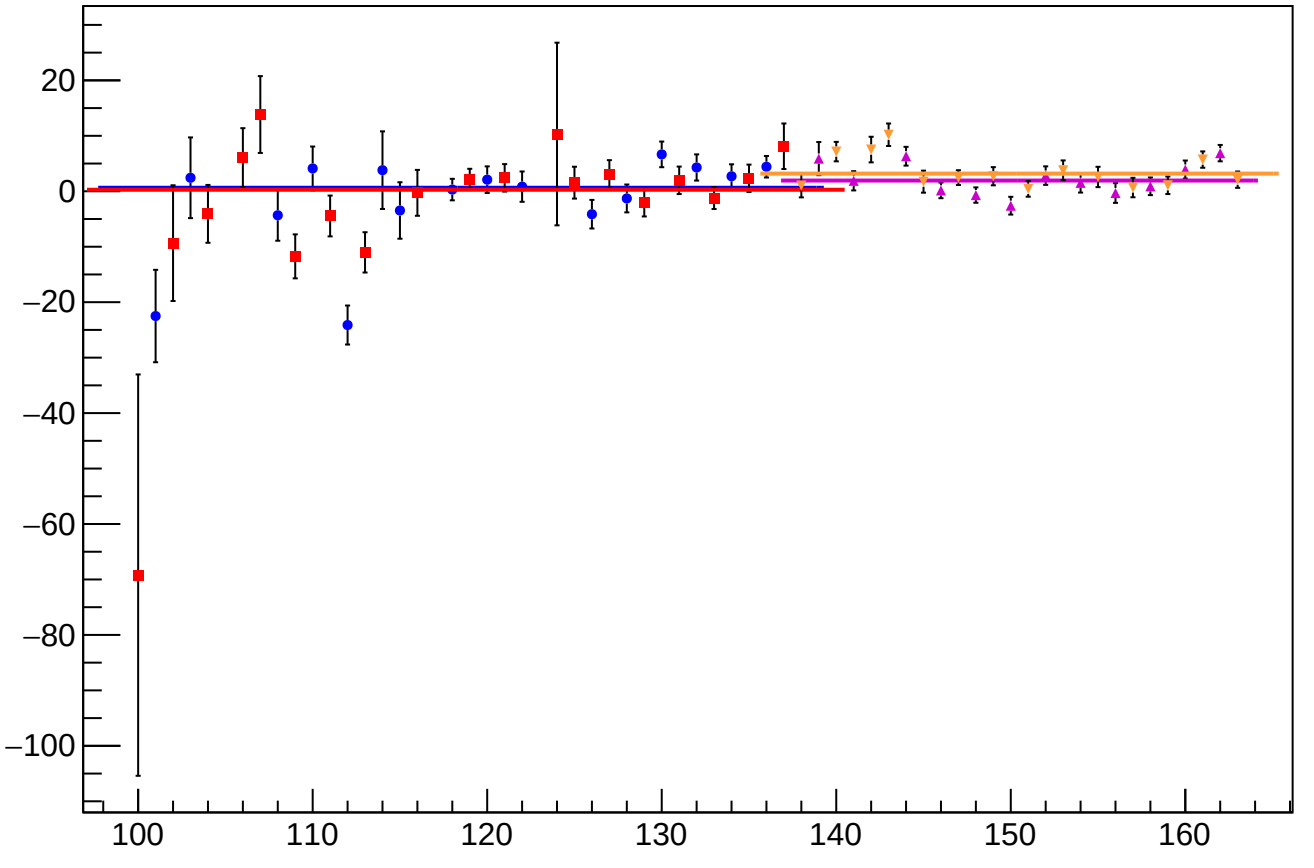
Left: 33.684+/-0.394 χ^2/NDF: 1769.0/25

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.837+/-0.441 χ^2/NDF:2199.2/27

Out: 32.264+/-0.435 χ^2/NDF:4552.9/32

All: 33.533+/-0.310 χ^2/NDF: 6769.3/60



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.187+/-0.451 χ^2/NDF:33.9/13

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.936+/-0.474 χ^2/NDF:36.7/11

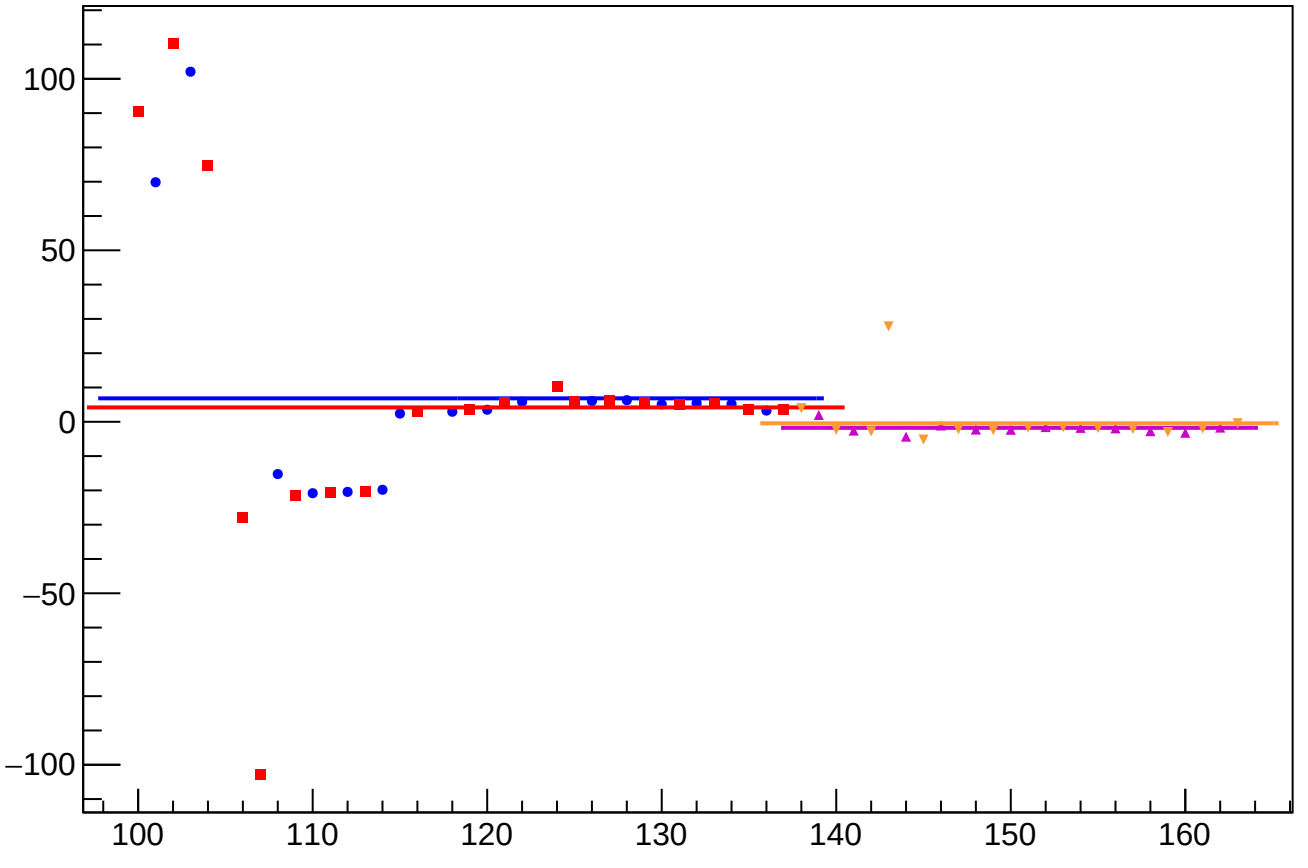
Left: 2.593+/-0.327 χ^2/NDF: 74.3/25

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.529+/-0.393 χ^2/NDF:117.5/27

Out: 2.377+/-0.383 χ^2/NDF:86.0/32

All: 1.965+/-0.274 χ^2/NDF: 205.9/60



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: -0.437+/-0.021 χ^2/NDF:90786.1/13

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.763+/-0.021 χ^2/NDF:5066.9/11

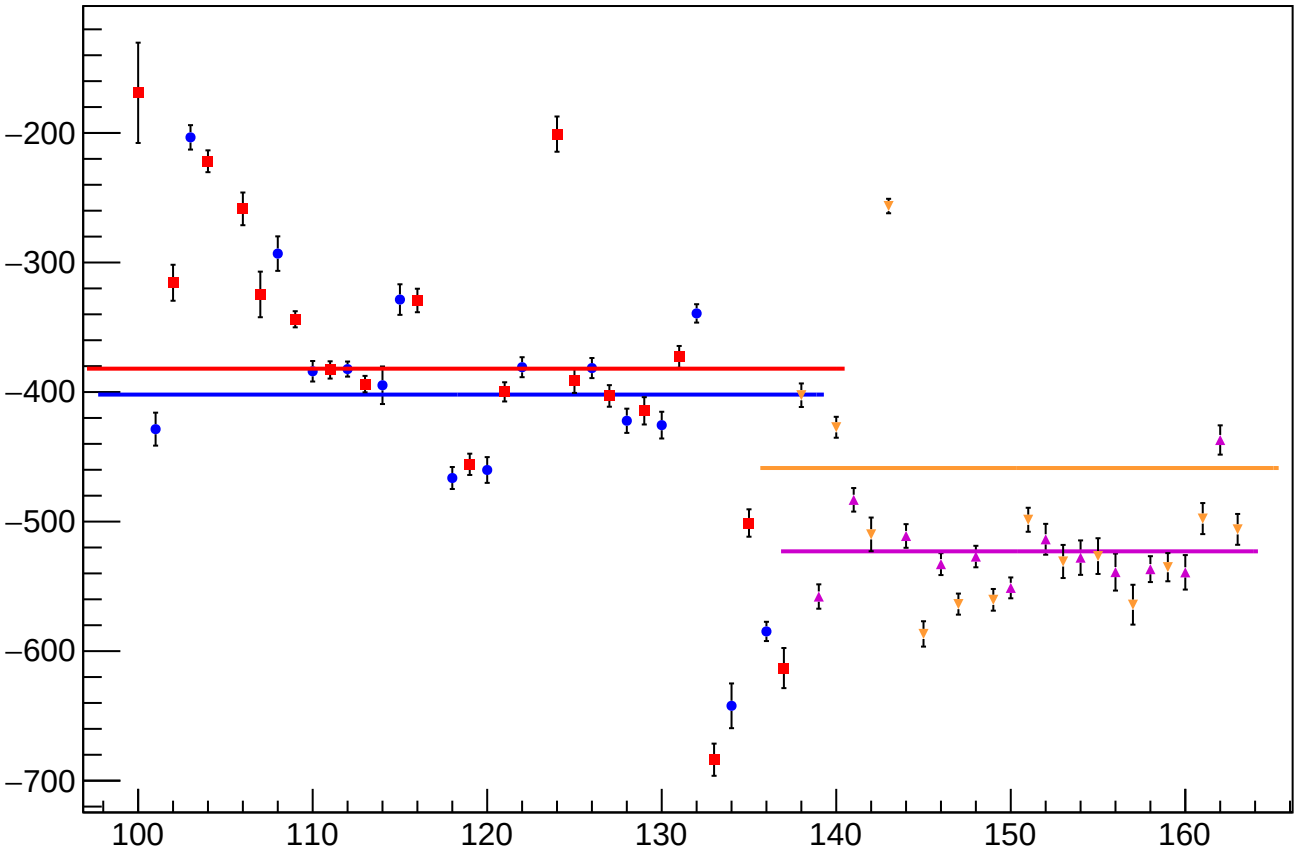
Left: -1.081+/-0.015 χ^2/NDF: 97850.9/25

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

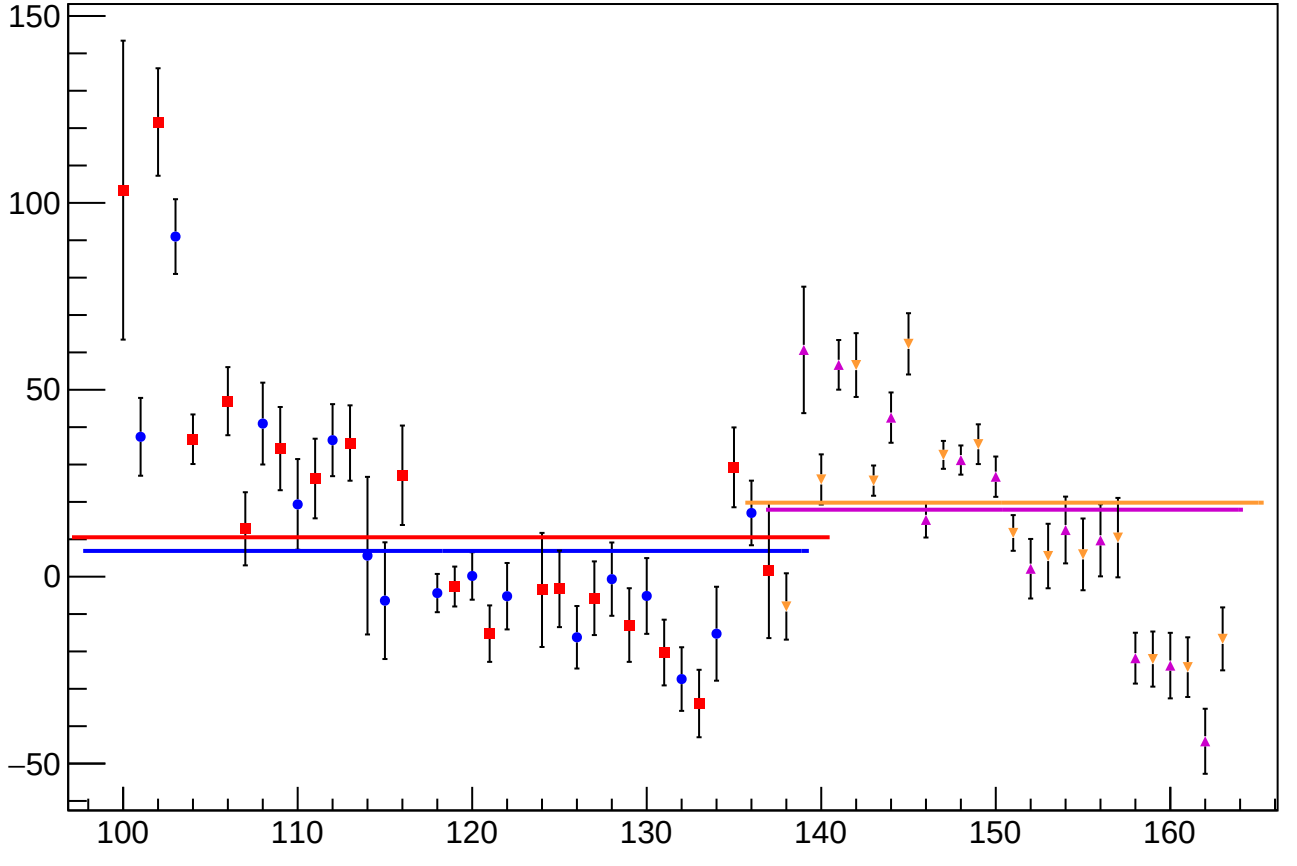
In: -0.063+/-0.019 χ^2/NDF:358352.8/27

Out: 0.333+/-0.019 χ^2/NDF:533660.0/32

All: 0.137+/-0.013 χ^2/NDF: 892230.6/60


reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−200
−300
−400
−500
−600
−700
100
110
120
130
140
150
160
Right In: -401.961+/-2.236 χ²/NDF: 1563.3/15
Left Out: -458.642+/-2.541 χ²/NDF:2062.8/13
Right Out: -381.949+/-2.124 χ²/NDF: 1817.4/18
Left In: -522.963+/-2.882 χ²/NDF:111.5/11
Left: -486.774+/-1.906 χ²/NDF: 2454.7/25
Right: -391.443+/-1.540 χ²/NDF: 3422.8/34
In: -447.435+/-1.767 χ²/NDF:2775.3/27
Out: -413.504+/-1.630 χ²/NDF:4416.5/32
All: -429.104+/-1.198 χ²/NDF: 7391.1/60

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 19.798+/-1.674 χ^2/NDF:168.4/13

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 17.917+/-1.890 χ^2/NDF:180.8/11

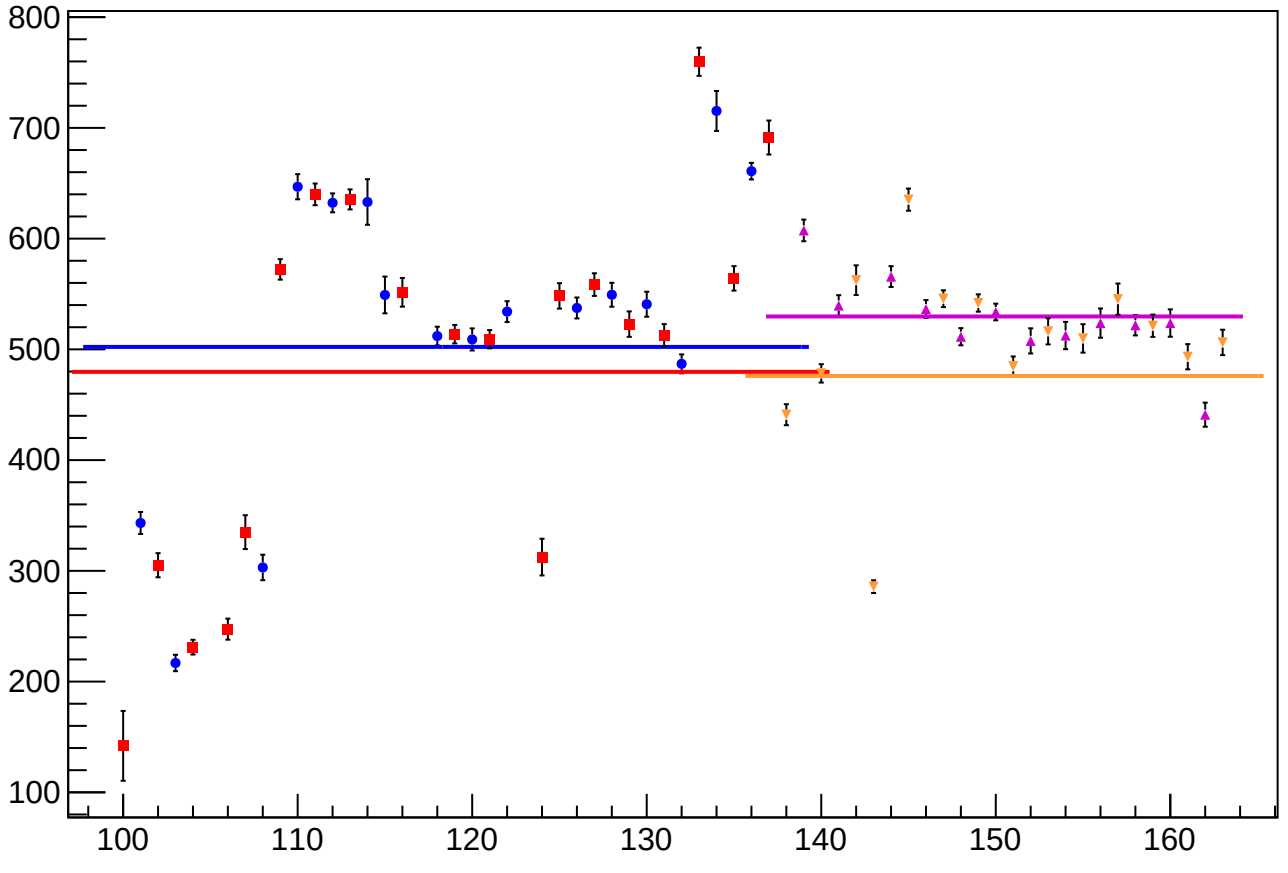
Left: 18.971+/-1.253 χ^2/NDF: 349.8/25

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 13.389+/-1.451 χ^2/NDF:333.3/27

Out: 16.398+/-1.332 χ^2/NDF:359.6/32

All: 15.023+/-0.981 χ^2/NDF: 695.2/60



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 476.003+/-2.488 χ^2/NDF:1633.9/13

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 529.694+/-2.777 χ^2/NDF:158.5/11

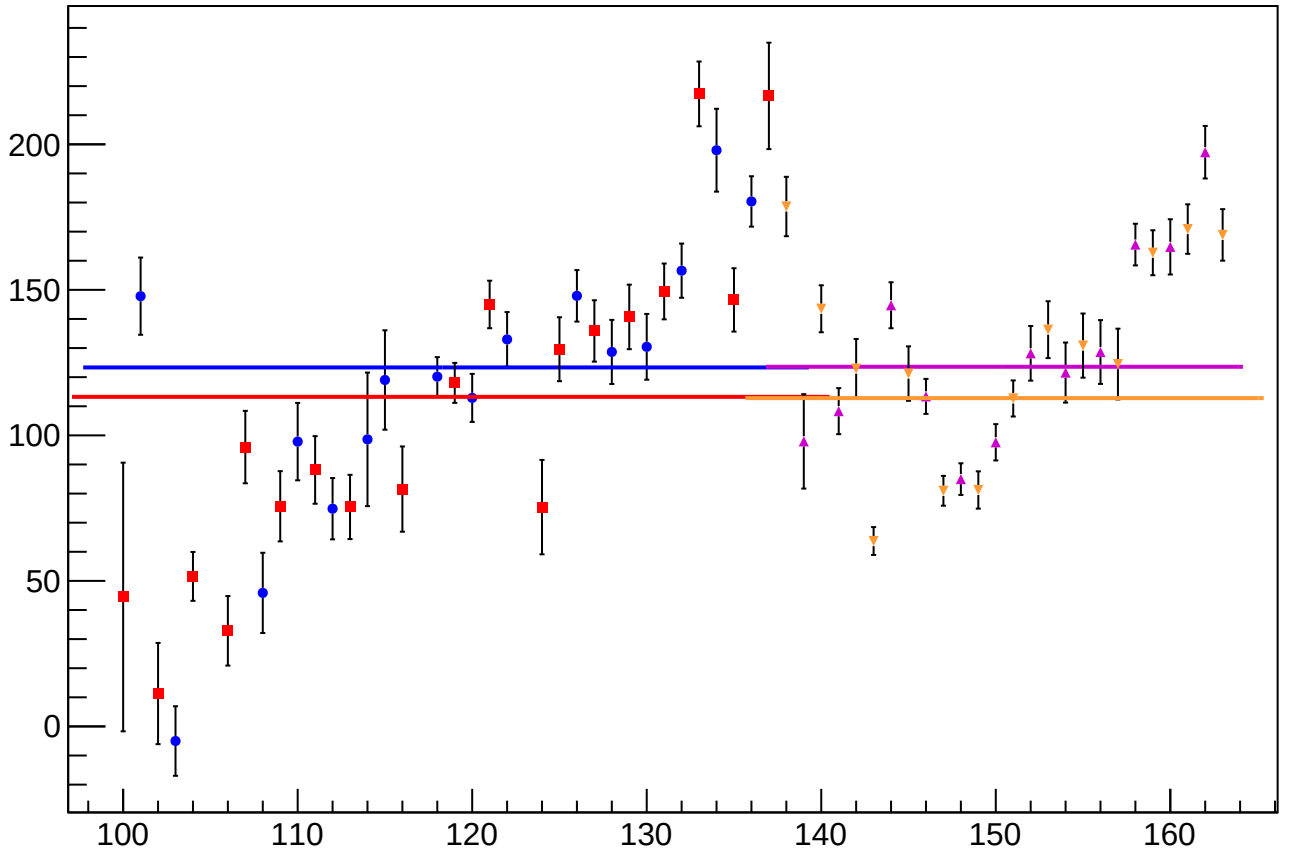
Left: 499.910+/-1.853 χ^2/NDF: 1999.7/25

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 514.474+/-1.855 χ^2/NDF:3347.9/27

Out: 477.908+/-1.727 χ^2/NDF:5773.5/32

All: 494.886+/-1.264 χ^2/NDF: 9329.5/60



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 112.803+/-2.013 χ^2/NDF:364.0/13

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 123.572+/-2.265 χ^2/NDF:204.4/11

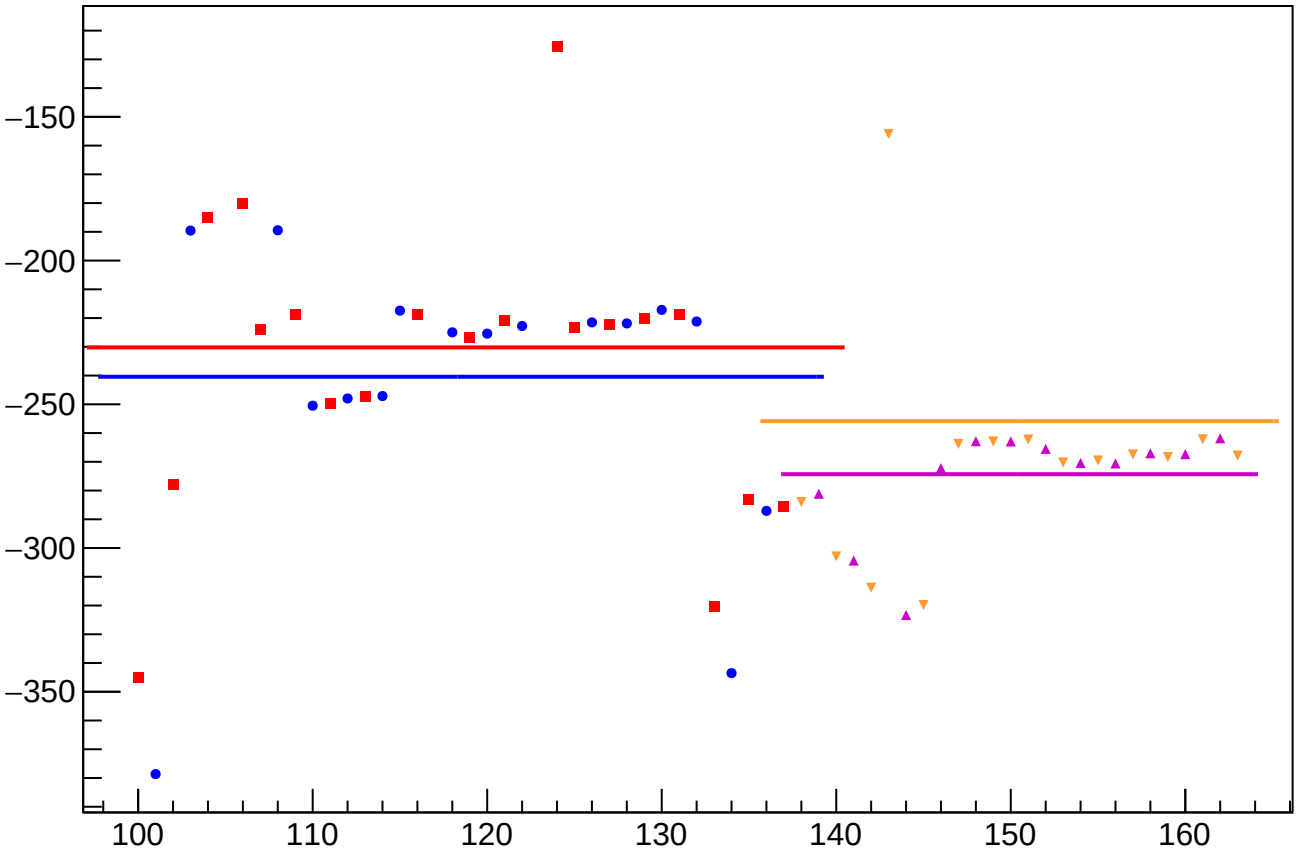
Left: 117.555+/-1.504 χ^2/NDF: 581.0/25

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 123.475+/-1.715 χ^2/NDF:475.8/27

Out: 112.969+/-1.579 χ^2/NDF:709.7/32

All: 117.787+/-1.162 χ^2/NDF: 1205.8/60



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.859+/-0.098 χ^2/NDF:239460.2/13

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -274.306+/-0.106 χ^2/NDF:25188.7/11

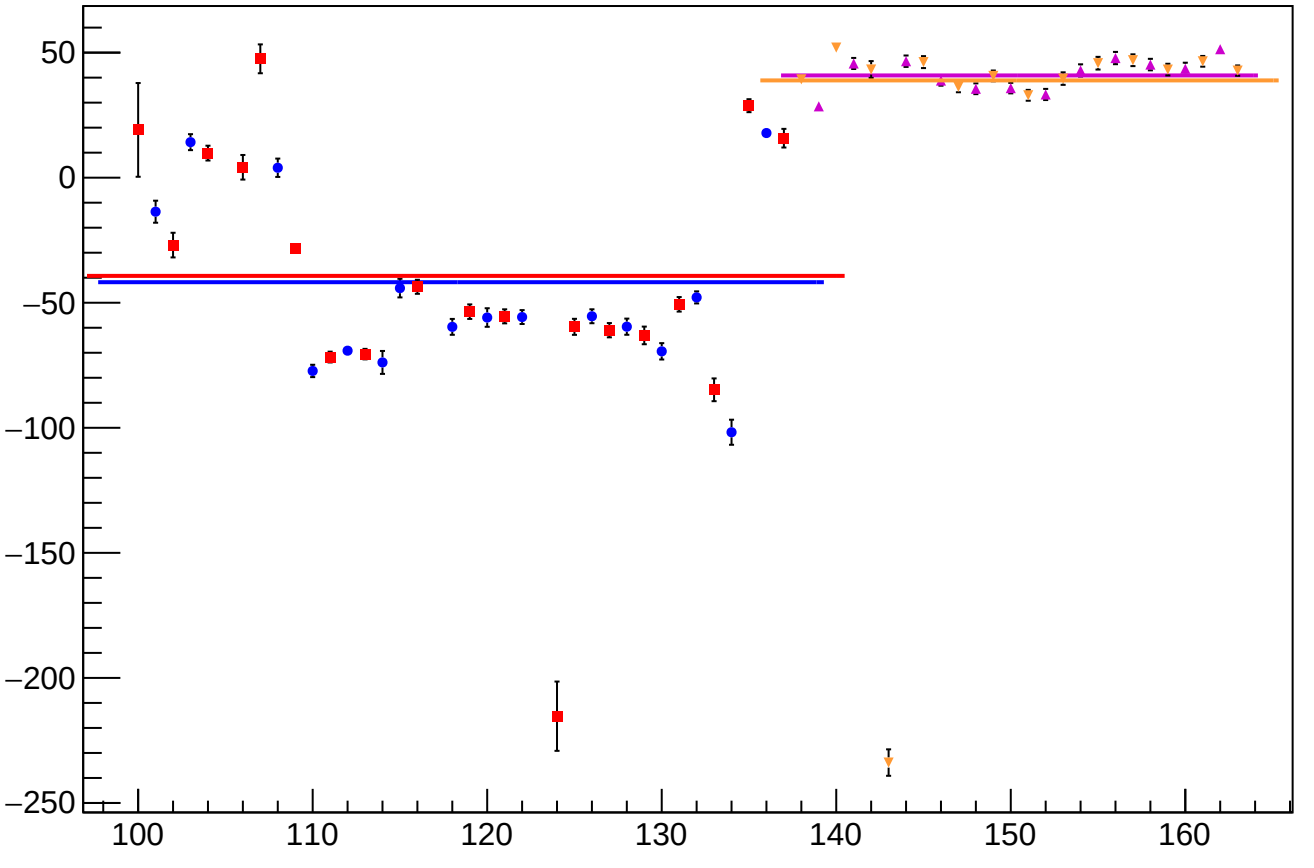
Left: -264.329+/-0.072 χ^2/NDF: 280884.9/25

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.013+/-0.087 χ^2/NDF:193110.5/27

Out: -247.918+/-0.082 χ^2/NDF:344061.7/32

All: -254.979+/-0.059 χ^2/NDF: 553215.7/60



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 38.890+/-0.621 χ^2/NDF:2762.7/13

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 40.878+/-0.631 χ^2/NDF:119.8/11

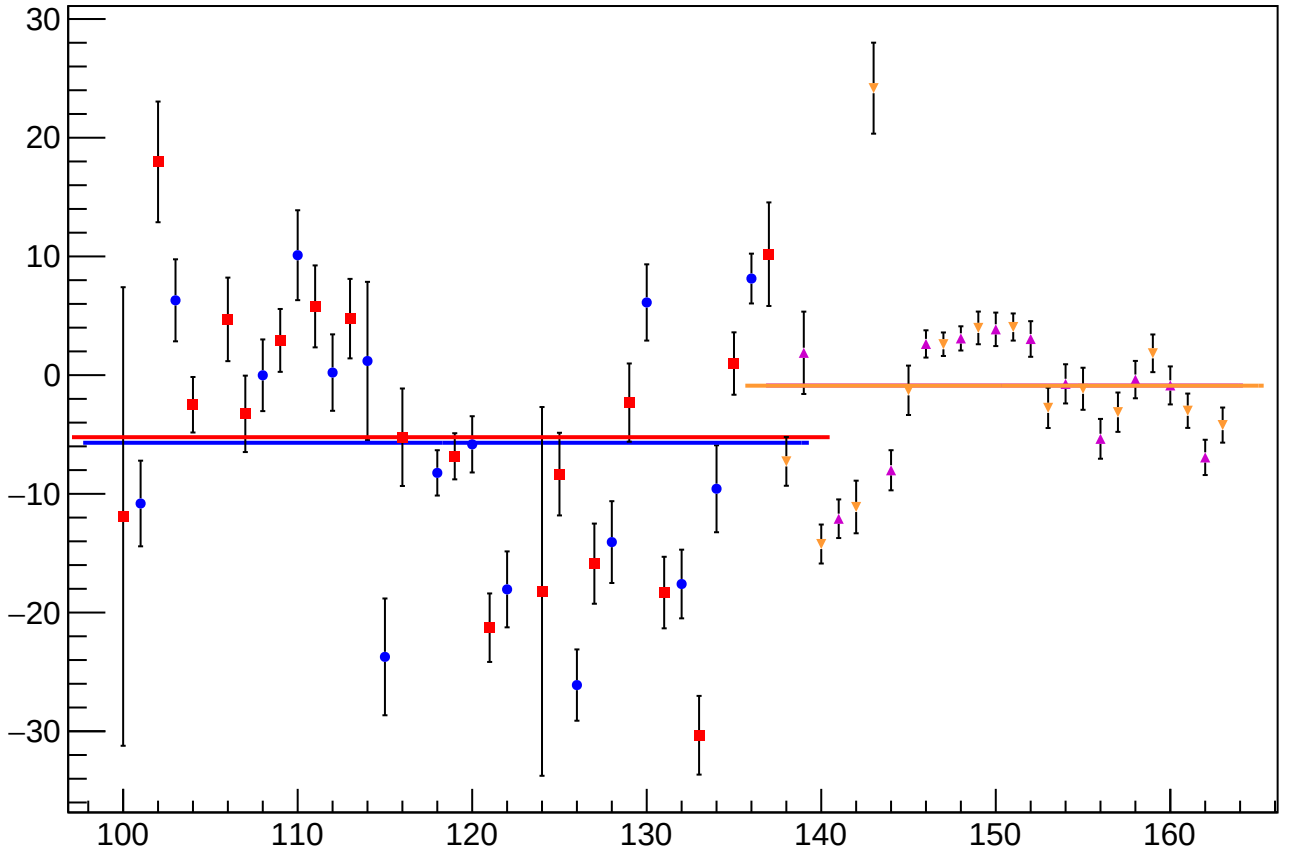
Left: 39.868+/-0.443 χ^2/NDF: 2887.6/25

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 5.121+/-0.476 χ^2/NDF:9940.9/27

Out: 3.324+/-0.458 χ^2/NDF:12446.7/32

All: 4.190+/-0.330 χ^2/NDF: 22395.0/60



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -0.888+/-0.416 χ^2/NDF:196.5/13

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -0.874+/-0.428 χ^2/NDF:132.4/11

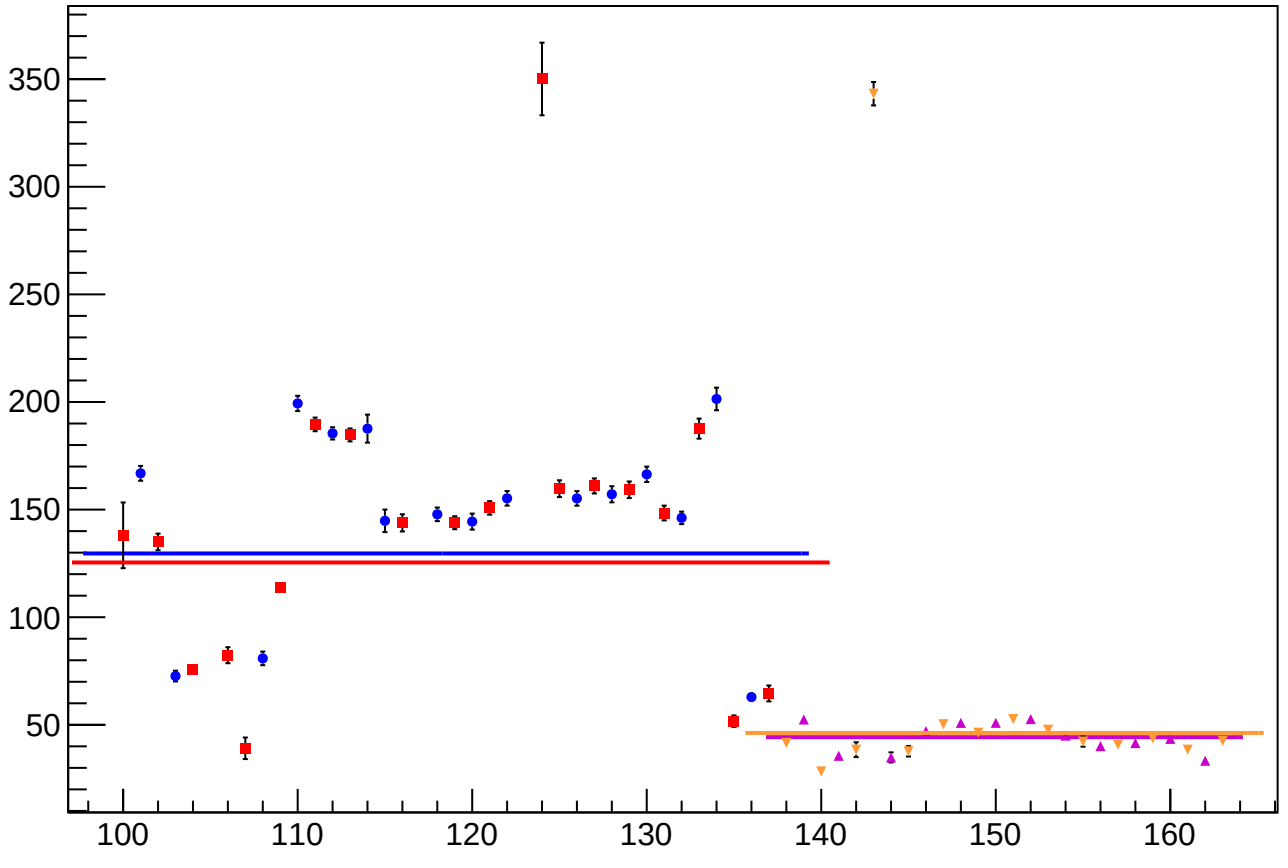
Left: -0.881+/-0.298 χ^2/NDF: 328.9/25

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.054+/-0.372 χ^2/NDF:360.2/27

Out: -1.929+/-0.362 χ^2/NDF:420.0/32

All: -1.990+/-0.260 χ^2/NDF: 780.2/60



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 46.245+/-0.600 χ^2/NDF:3125.0/13

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 44.269+/-0.608 χ^2/NDF:127.5/11

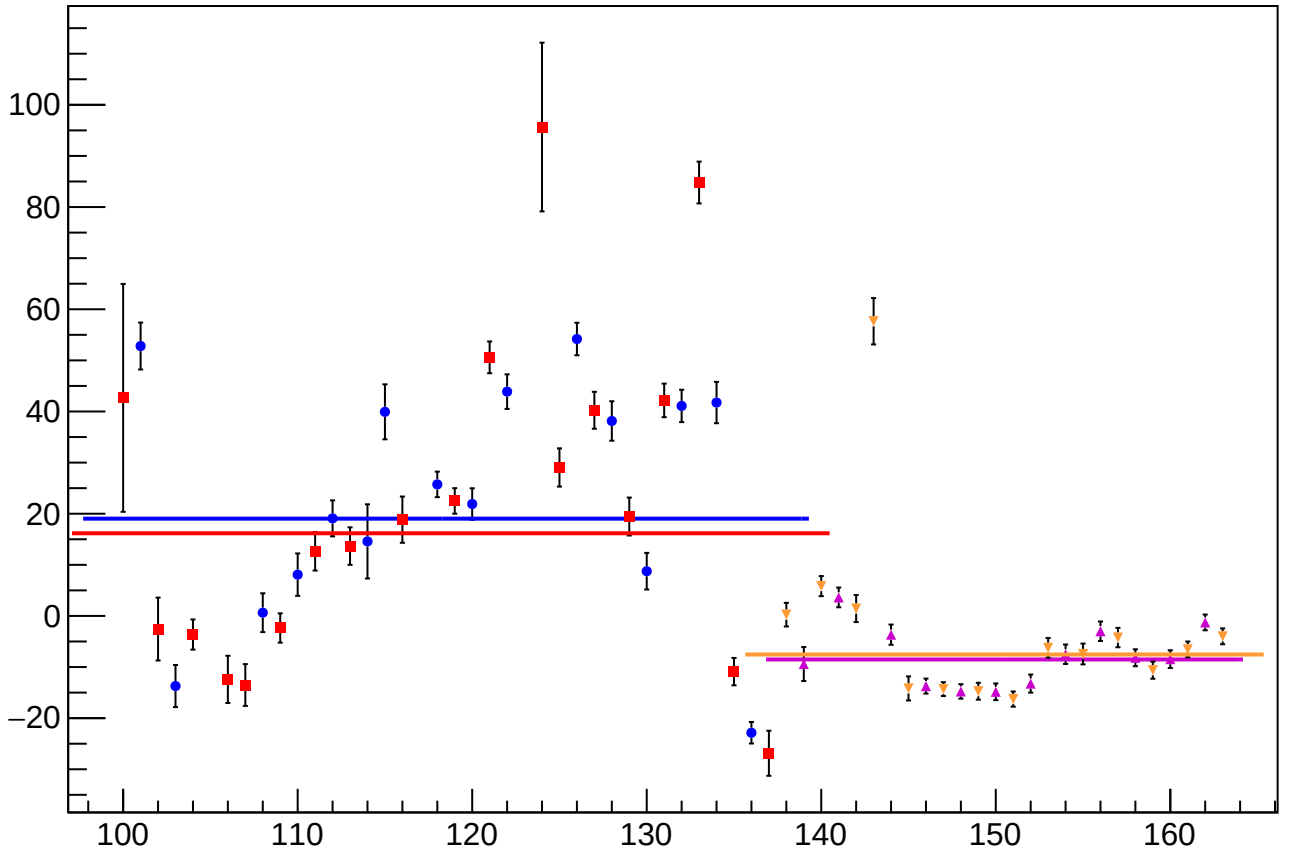
Left: 45.270+/-0.427 χ^2/NDF: 3257.9/25

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 75.460+/-0.484 χ^2/NDF:10963.7/27

Out: 75.194+/-0.478 χ^2/NDF:13006.2/32

All: 75.325+/-0.340 χ^2/NDF: 23970.1/60



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -7.543+/-0.490 χ^2/NDF:375.1/13

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -8.519+/-0.503 χ^2/NDF:130.8/11

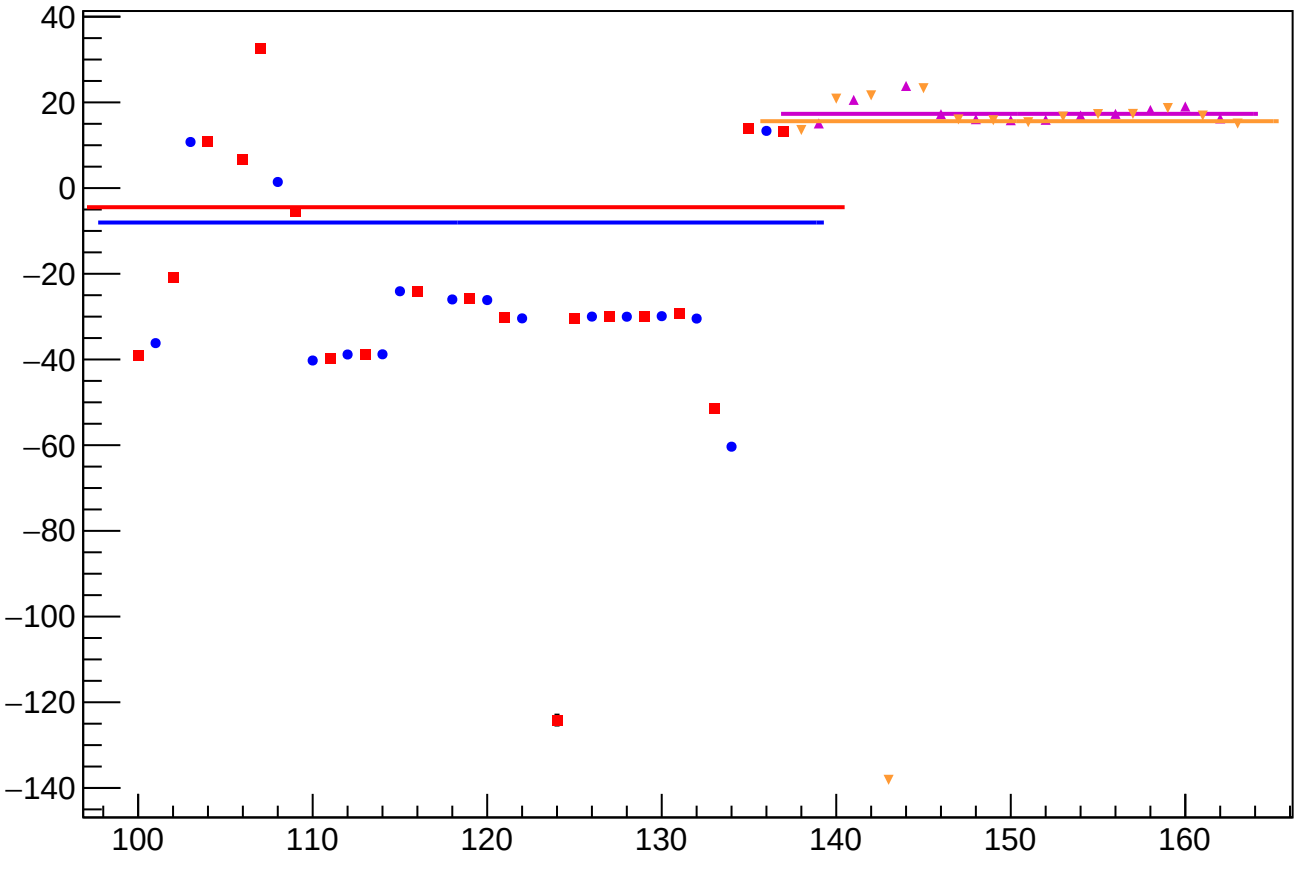
Left: -8.017+/-0.351 χ^2/NDF: 507.8/25

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.485+/-0.434 χ^2/NDF:1753.6/27

Out: -1.593+/-0.424 χ^2/NDF:1905.1/32

All: -1.541+/-0.303 χ^2/NDF: 3658.7/60



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 15.610+/-0.023 χ^2/NDF:476182.7/13

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.328+/-0.023 χ^2/NDF:7848.2/11

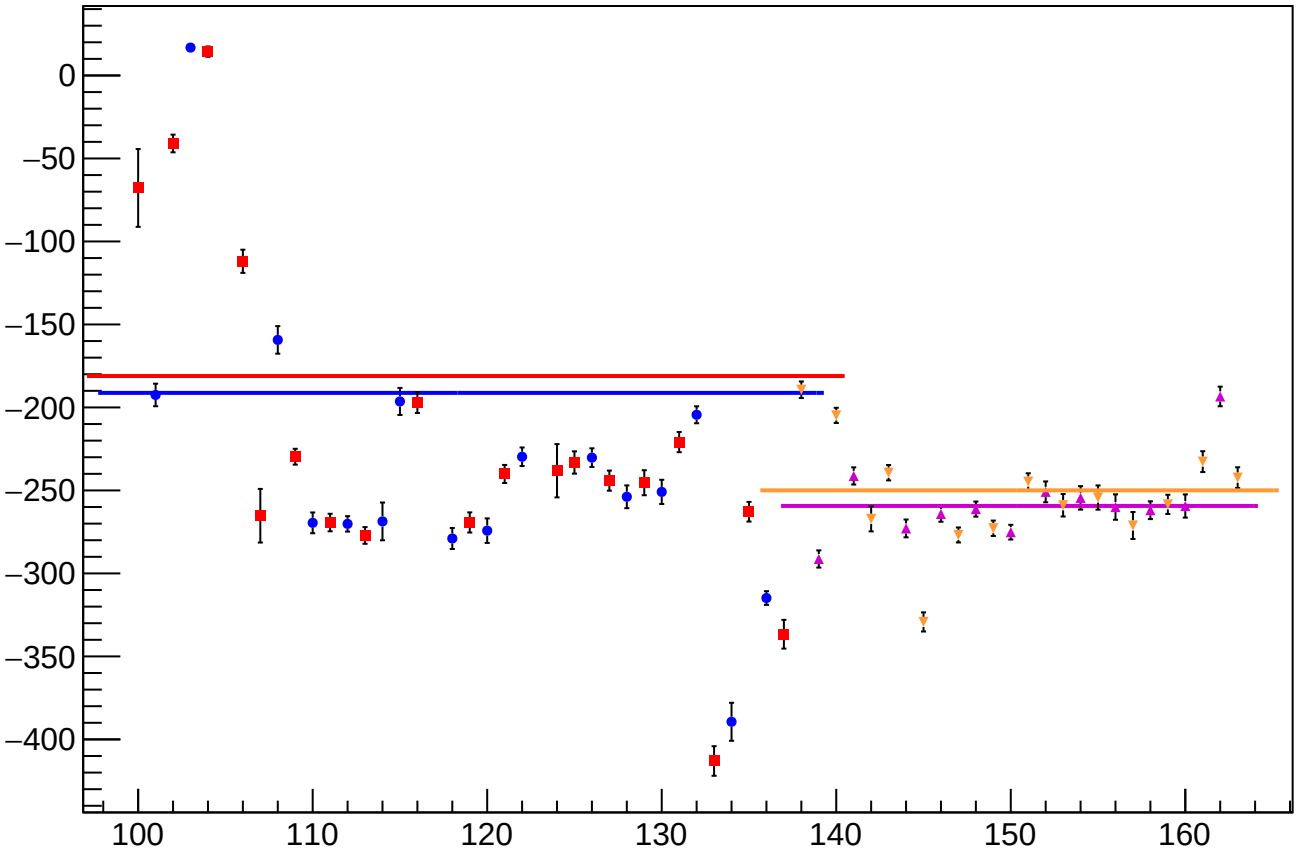
Left: 16.464+/-0.016 χ^2/NDF: 486908.1/25

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.326+/-0.020 χ^2/NDF:521679.4/27

Out: 11.822+/-0.020 χ^2/NDF:853829.0/32

All: 12.074+/-0.014 χ^2/NDF: 1375815.0/60



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.955+/-1.486 χ^2/NDF:524.3/13

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -259.352+/-1.581 χ^2/NDF:197.7/11

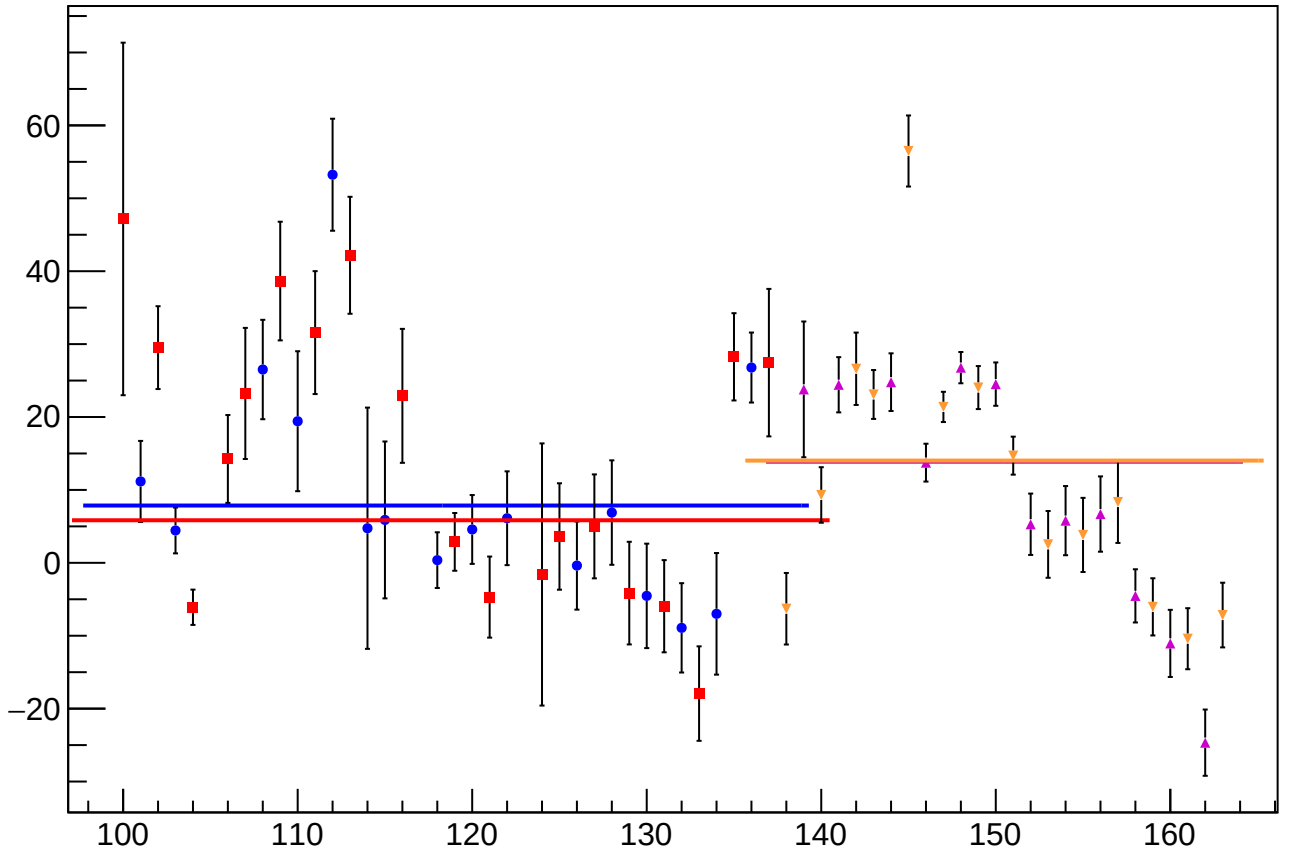
Left: -254.363+/-1.083 χ^2/NDF: 740.8/25

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -221.620+/-1.056 χ^2/NDF:8451.4/27

Out: -213.041+/-1.012 χ^2/NDF:9050.0/32

All: -217.150+/-0.731 χ^2/NDF: 17535.8/60



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 14.025+/-0.968 χ^2/NDF:226.9/13

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 13.870+/-1.035 χ^2/NDF:201.2/11

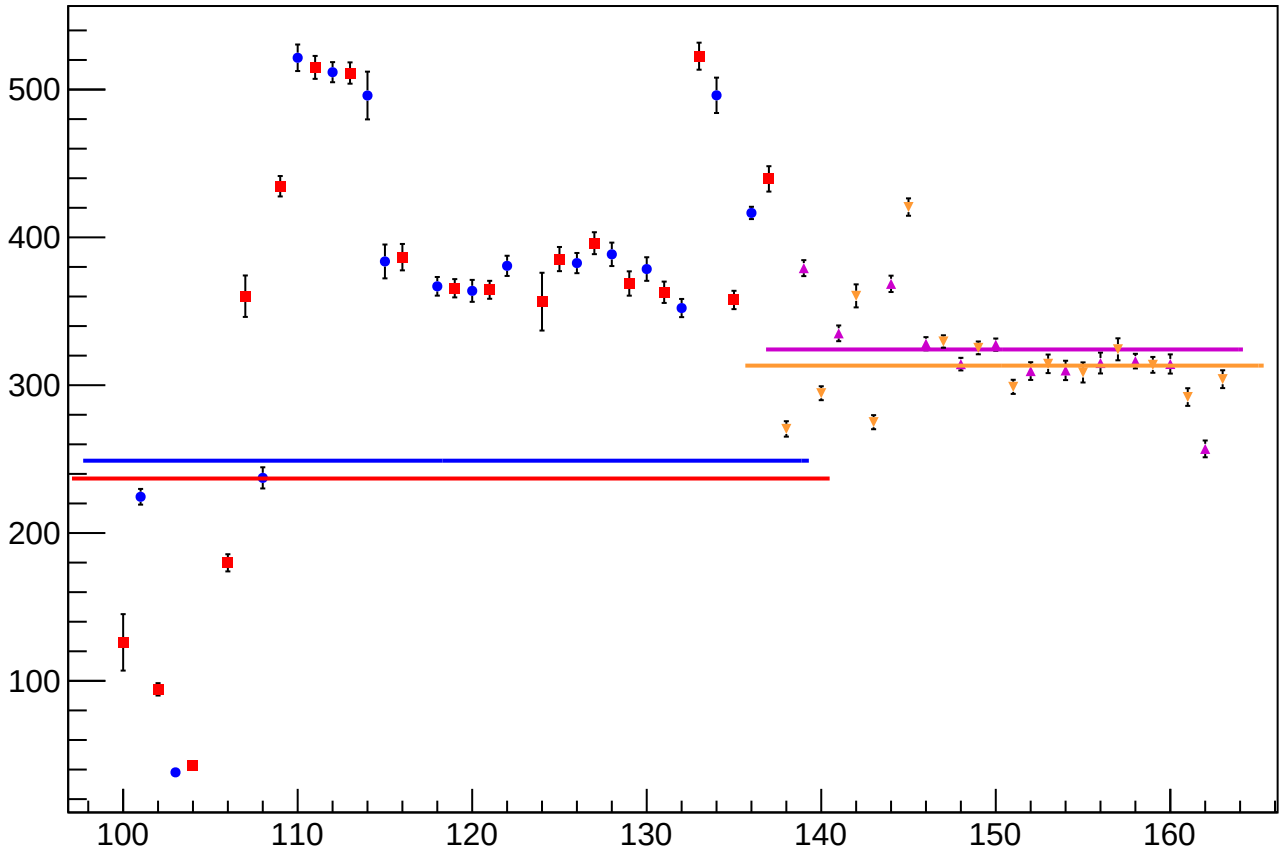
Left: 13.953+/-0.707 χ^2/NDF: 428.0/25

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 11.818+/-0.840 χ^2/NDF:293.6/27

Out: 11.261+/-0.788 χ^2/NDF:392.9/32

All: 11.522+/-0.575 χ^2/NDF: 686.7/60



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 313.253+/-1.444 χ^2/NDF:565.8/13

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 324.173+/-1.521 χ^2/NDF:336.6/11

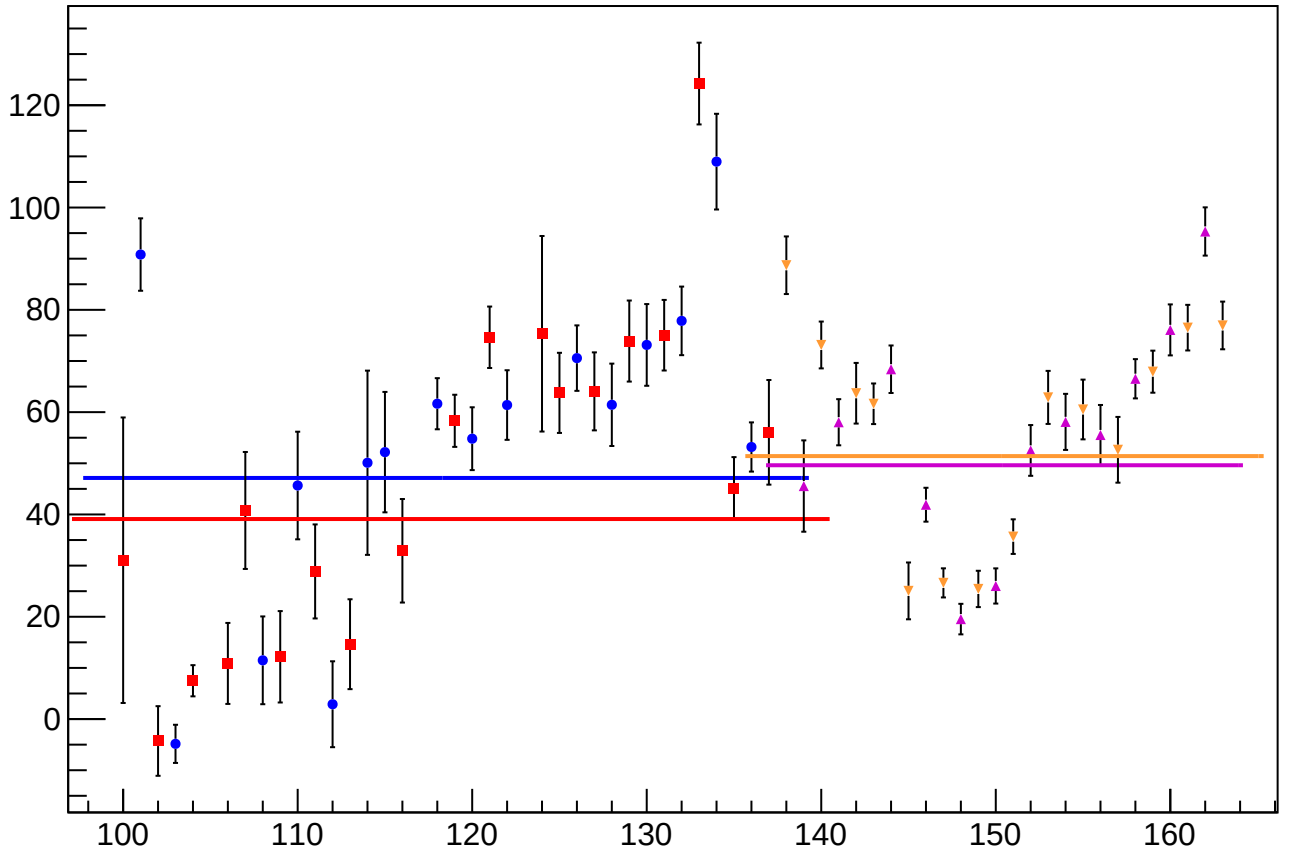
Left: 318.430+/-1.047 χ^2/NDF: 929.5/25

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 284.029+/-1.038 χ^2/NDF:16945.3/27

Out: 274.073+/-1.007 χ^2/NDF:17659.1/32

All: 278.900+/-0.723 χ^2/NDF: 34651.8/60



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 51.409+/-1.162 χ^2/NDF:336.0/13

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 49.619+/-1.238 χ^2/NDF:319.3/11

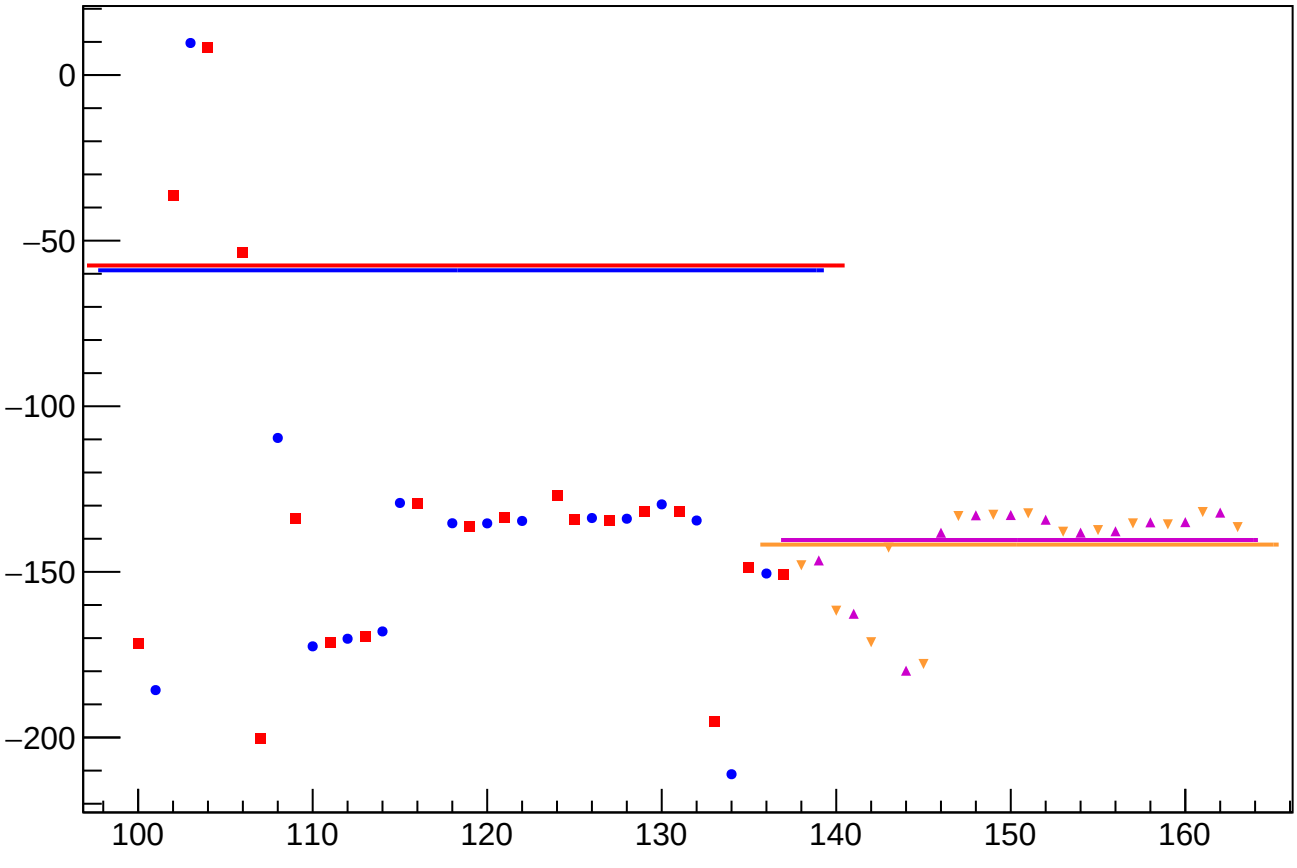
Left: 50.571+/-0.848 χ^2/NDF: 656.4/25

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

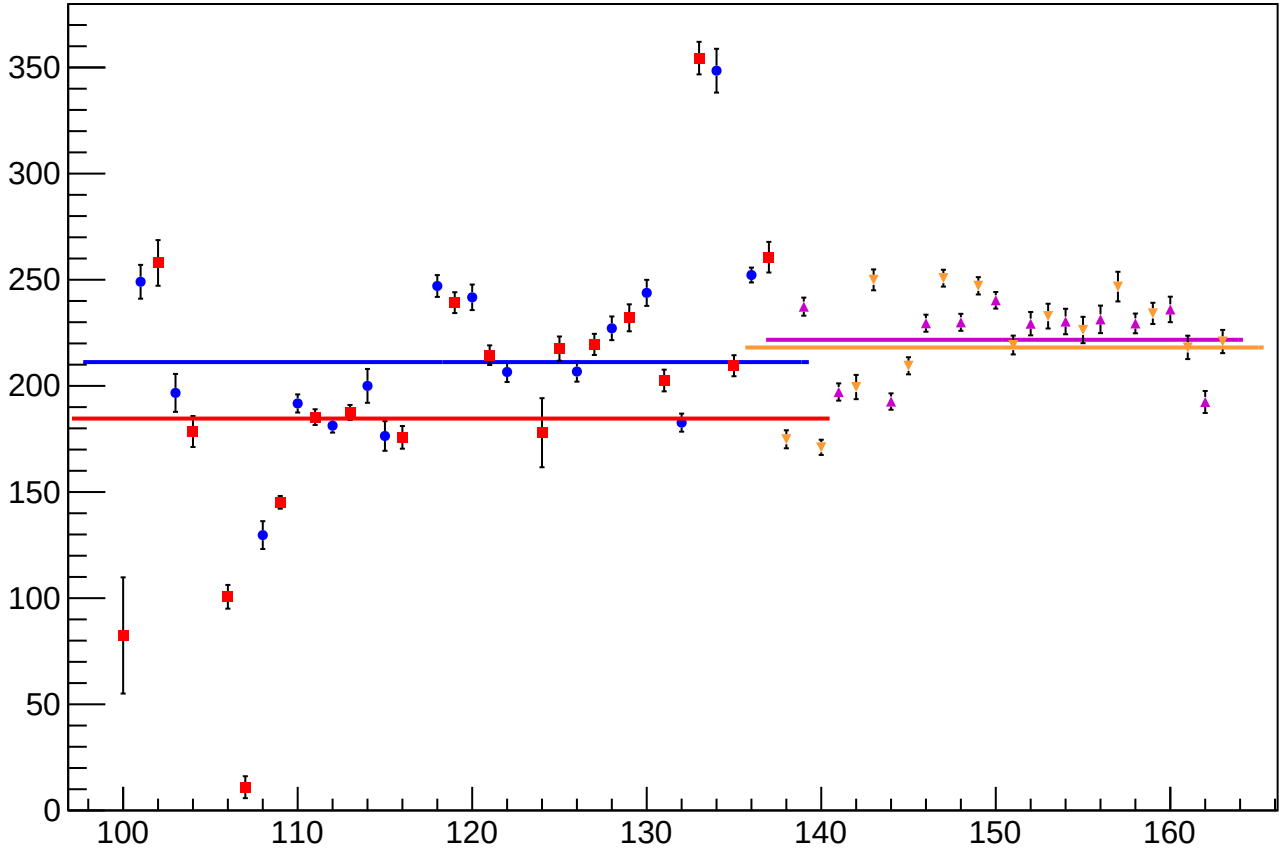
In: 48.737+/-0.994 χ^2/NDF:706.0/27

Out: 47.144+/-0.940 χ^2/NDF:791.3/32

All: 47.895+/-0.683 χ^2/NDF: 1498.7/60


reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
Right In: -58.956+/-0.073 χ²/NDF: 1227079.0/15
Left Out: -141.761+/-0.056 χ²/NDF:54635.2/13
Right Out: -57.497+/-0.074 χ²/NDF: 871305.9/18
Left In: -140.375+/-0.058 χ²/NDF:44910.7/11
Left: -141.089+/-0.040 χ²/NDF: 99839.7/25
Right: -58.243+/-0.052 χ²/NDF: 2098582.3/34
In: -108.653+/-0.045 χ²/NDF:2039541.3/27
Out: -111.027+/-0.045 χ²/NDF:1743868.1/32
All: -109.853+/-0.032 χ²/NDF: 3784795.2/60

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 218.084+/-1.267 χ^2/NDF:487.0/13

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 221.724+/-1.326 χ^2/NDF:184.5/11

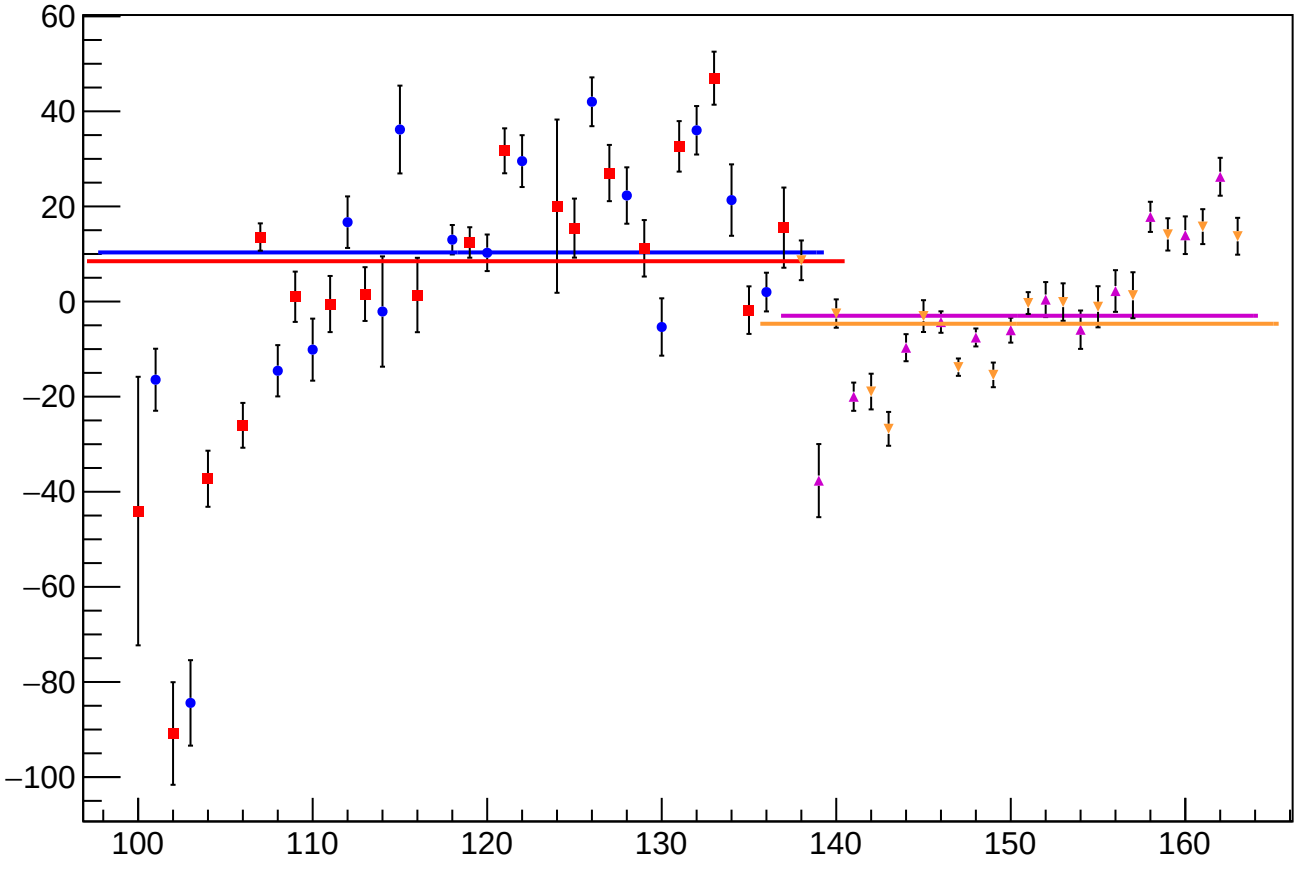
Left: 219.821+/-0.916 χ^2/NDF: 675.4/25

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 216.346+/-0.927 χ^2/NDF:999.6/27

Out: 200.360+/-0.869 χ^2/NDF:3397.1/32

All: 207.838+/-0.634 χ^2/NDF: 4555.2/60



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -4.671+/-0.834 χ^2/NDF:197.4/13

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -2.989+/-0.880 χ^2/NDF:184.2/11

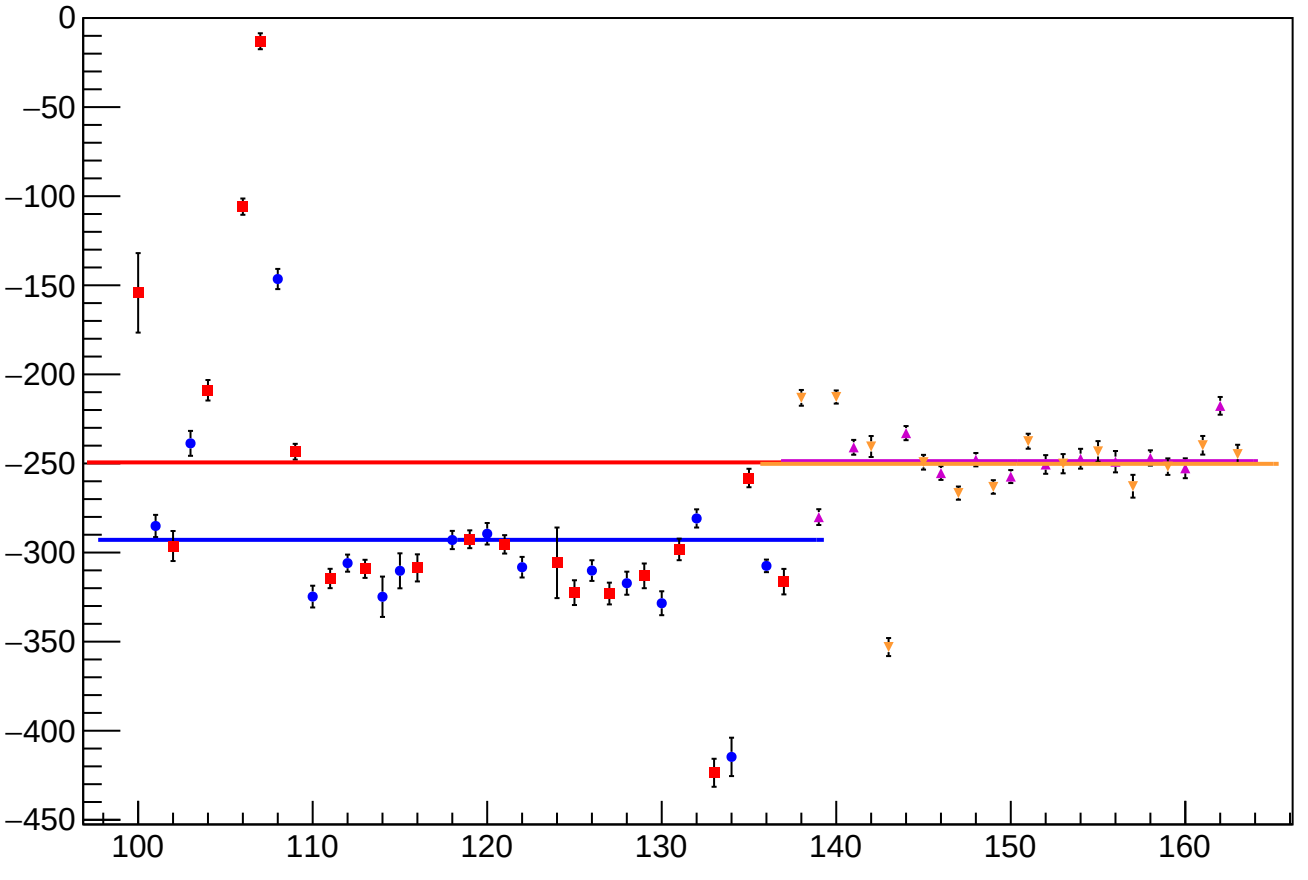
Left: -3.875+/-0.606 χ^2/NDF: 383.6/25

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 1.057+/-0.735 χ^2/NDF:517.1/27

Out: -0.502+/-0.690 χ^2/NDF:598.5/32

All: 0.228+/-0.503 χ^2/NDF: 1118.0/60



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -250.208+/-1.234 χ^2/NDF:639.6/13

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -248.704+/-1.281 χ^2/NDF:117.7/11

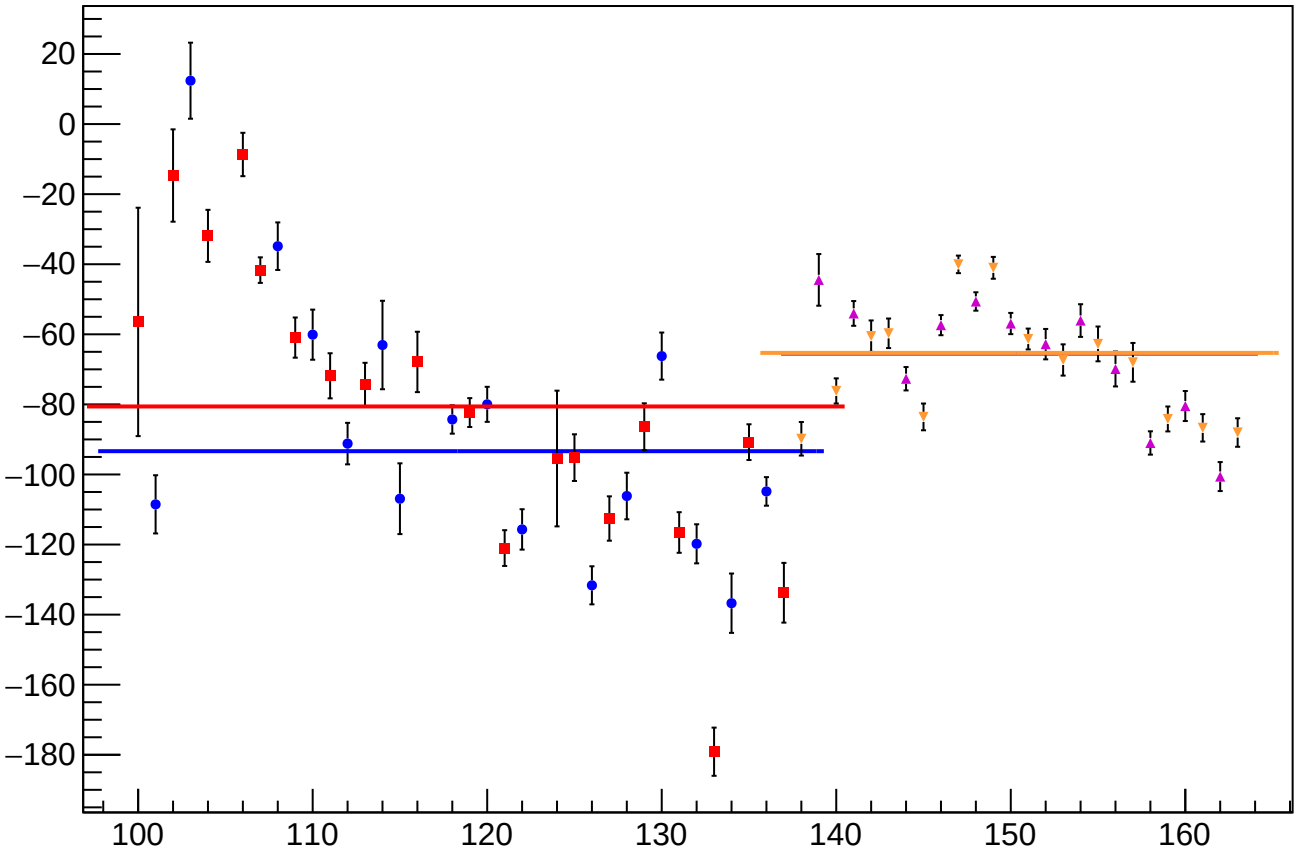
Left: -249.484+/-0.889 χ^2/NDF: 758.0/25

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -267.806+/-0.965 χ^2/NDF:1615.3/27

Out: -249.849+/-0.917 χ^2/NDF:6008.2/32

All: -258.364+/-0.665 χ^2/NDF: 7805.5/60



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -65.302+/-1.000 χ^2/NDF:315.1/13

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -65.533+/-1.050 χ^2/NDF:219.5/11

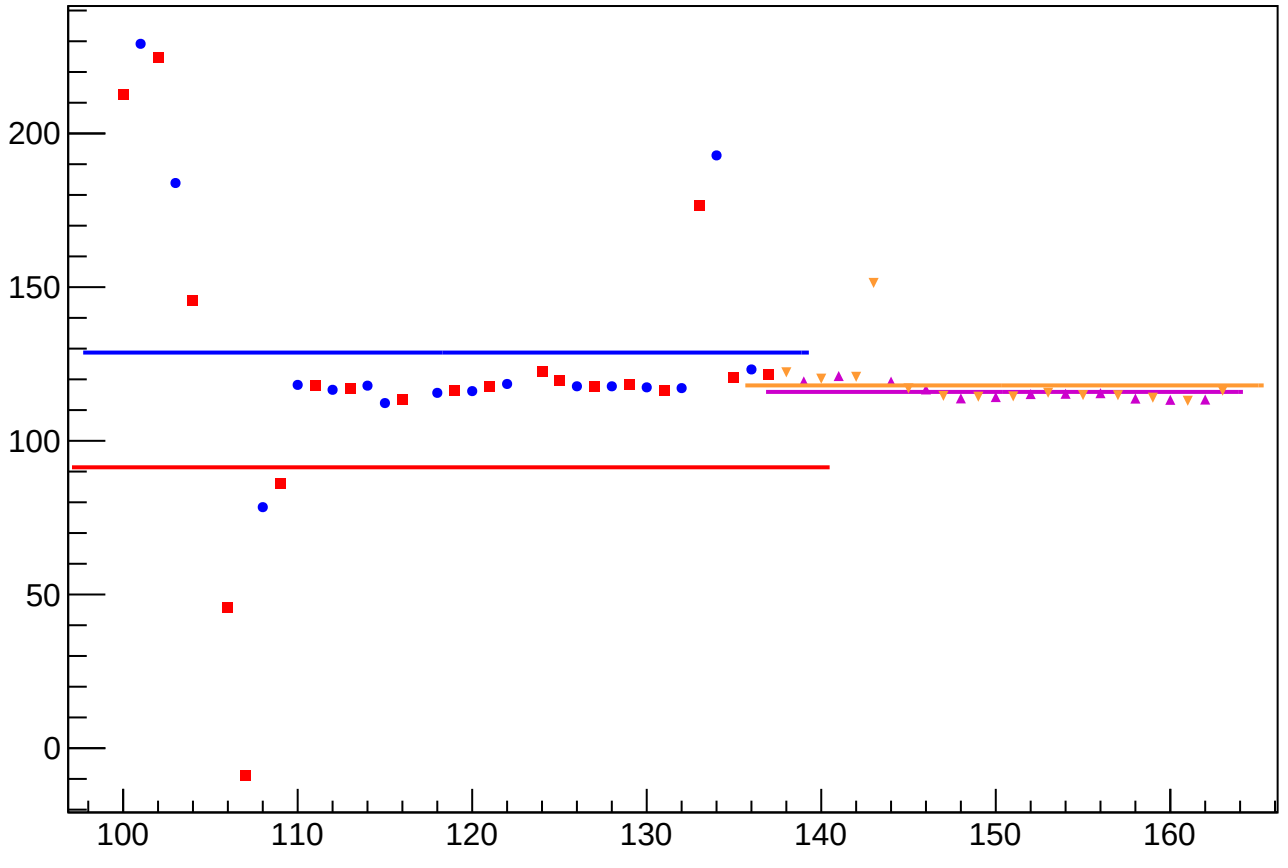
Left: -65.412+/-0.724 χ^2/NDF: 534.6/25

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -74.412+/-0.867 χ^2/NDF:798.7/27

Out: -70.354+/-0.819 χ^2/NDF:1107.7/32

All: -72.267+/-0.595 χ^2/NDF: 1917.9/60



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 118.027+/-0.048 χ^2/NDF:29398.9/13

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 115.913+/-0.049 χ^2/NDF:2671.5/11

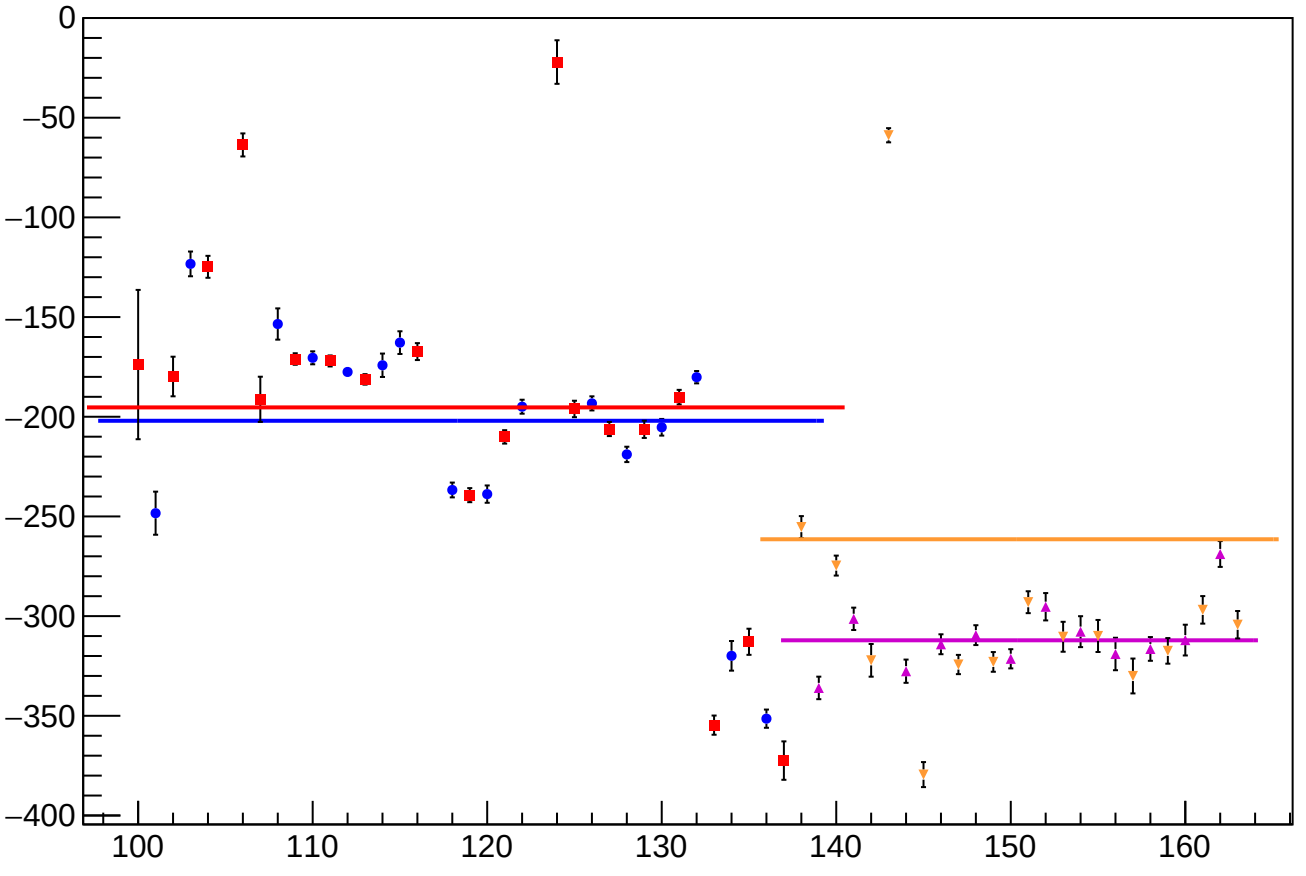
Left: 116.991+/-0.034 χ^2/NDF: 33016.5/25

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.892+/-0.043 χ^2/NDF:202022.1/27

Out: 110.825+/-0.041 χ^2/NDF:717173.1/32

All: 114.677+/-0.030 χ^2/NDF: 937586.6/60



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.451+/-1.540 χ^2/NDF:4298.6/13

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -312.131+/-1.720 χ^2/NDF:85.0/11

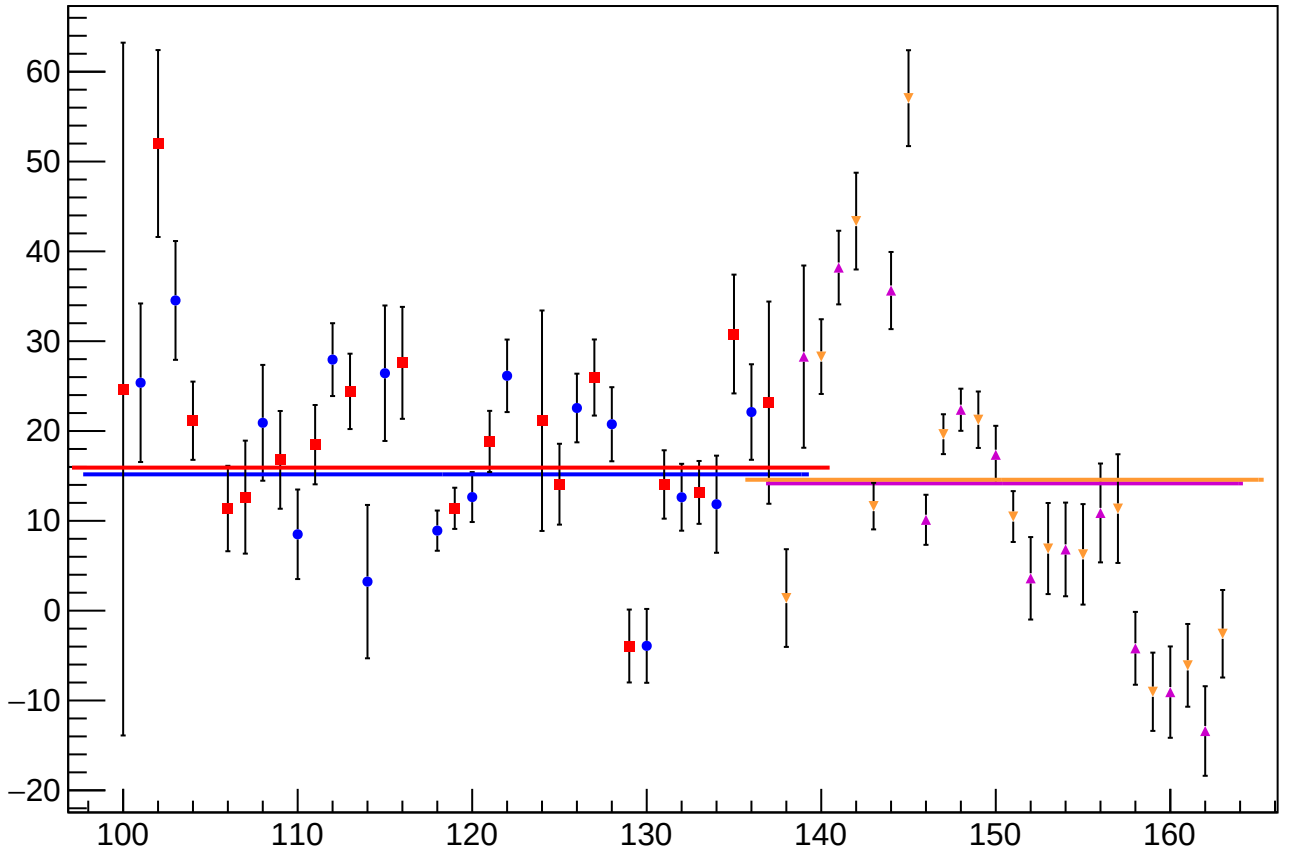
Left: -283.999+/-1.147 χ^2/NDF: 4865.5/25

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -230.836+/-0.880 χ^2/NDF:5150.9/27

Out: -214.212+/-0.823 χ^2/NDF:8716.9/32

All: -221.971+/-0.601 χ^2/NDF: 14058.1/60



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 14.574+/-1.011 χ^2/NDF:188.4/13

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 14.173+/-1.127 χ^2/NDF:156.2/11

Left: 14.395+/-0.752 χ^2/NDF: 344.7/25

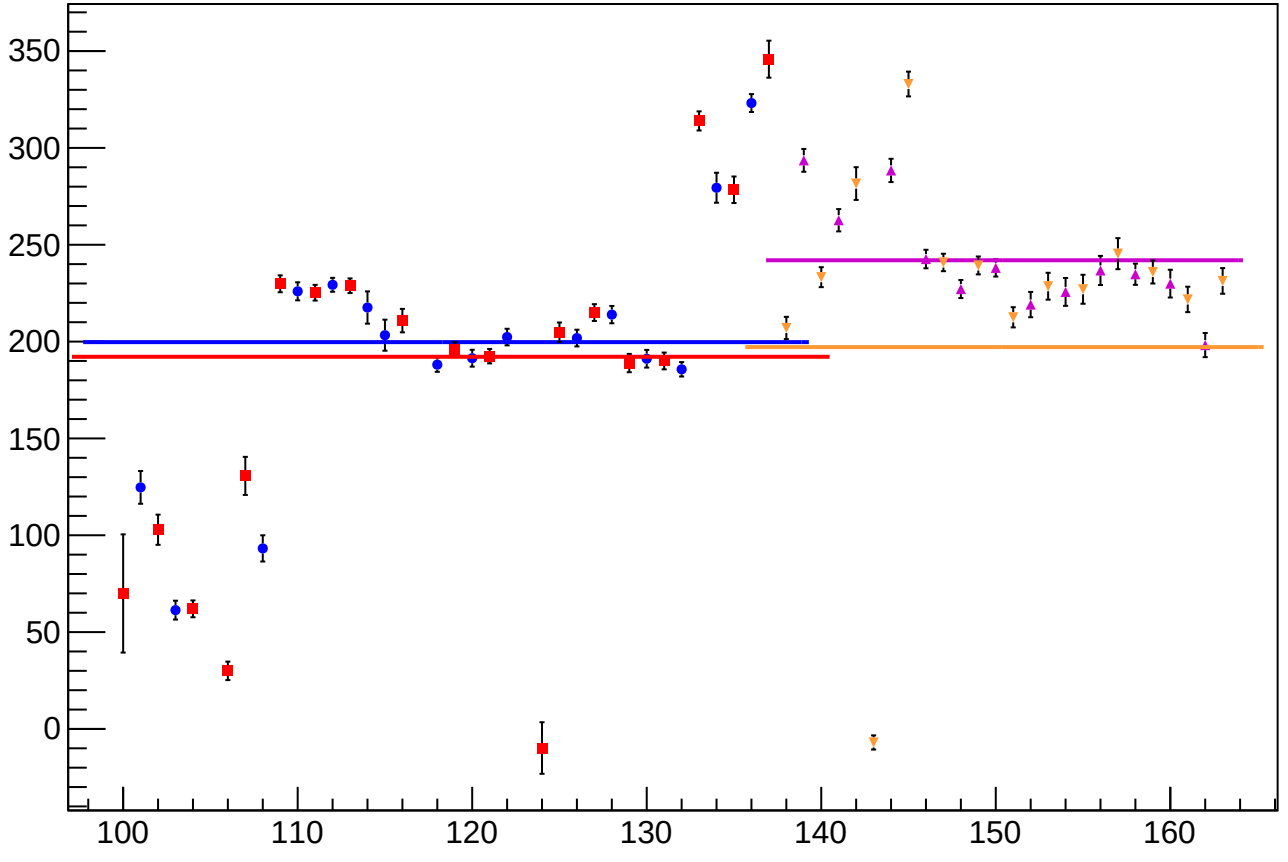
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 14.710+/-0.767 χ^2/NDF:229.0/27

Out: 15.232+/-0.724 χ^2/NDF:252.8/32

All: 14.987+/-0.526 χ^2/NDF: 482.0/60

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 197.162+/-1.503 χ^2/NDF:4055.5/13

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 241.995+/-1.655 χ^2/NDF:232.2/11

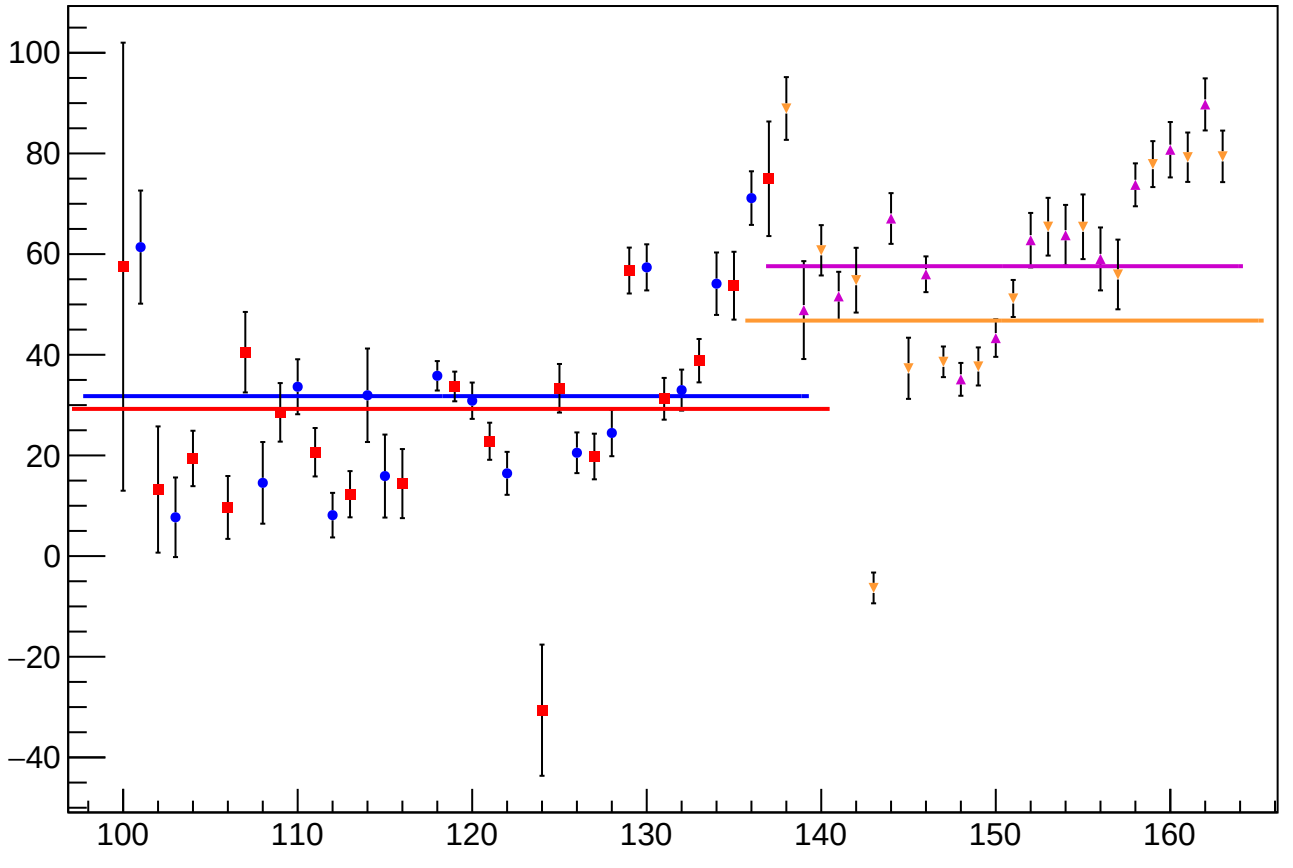
Left: 217.429+/-1.113 χ^2/NDF: 4689.7/25

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 214.218+/-0.969 χ^2/NDF:2762.4/27

Out: 194.005+/-0.914 χ^2/NDF:7839.7/32

All: 203.515+/-0.665 χ^2/NDF: 10832.3/60



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 46.793+/-1.214 χ^2/NDF:525.1/13

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 57.598+/-1.349 χ^2/NDF:140.9/11

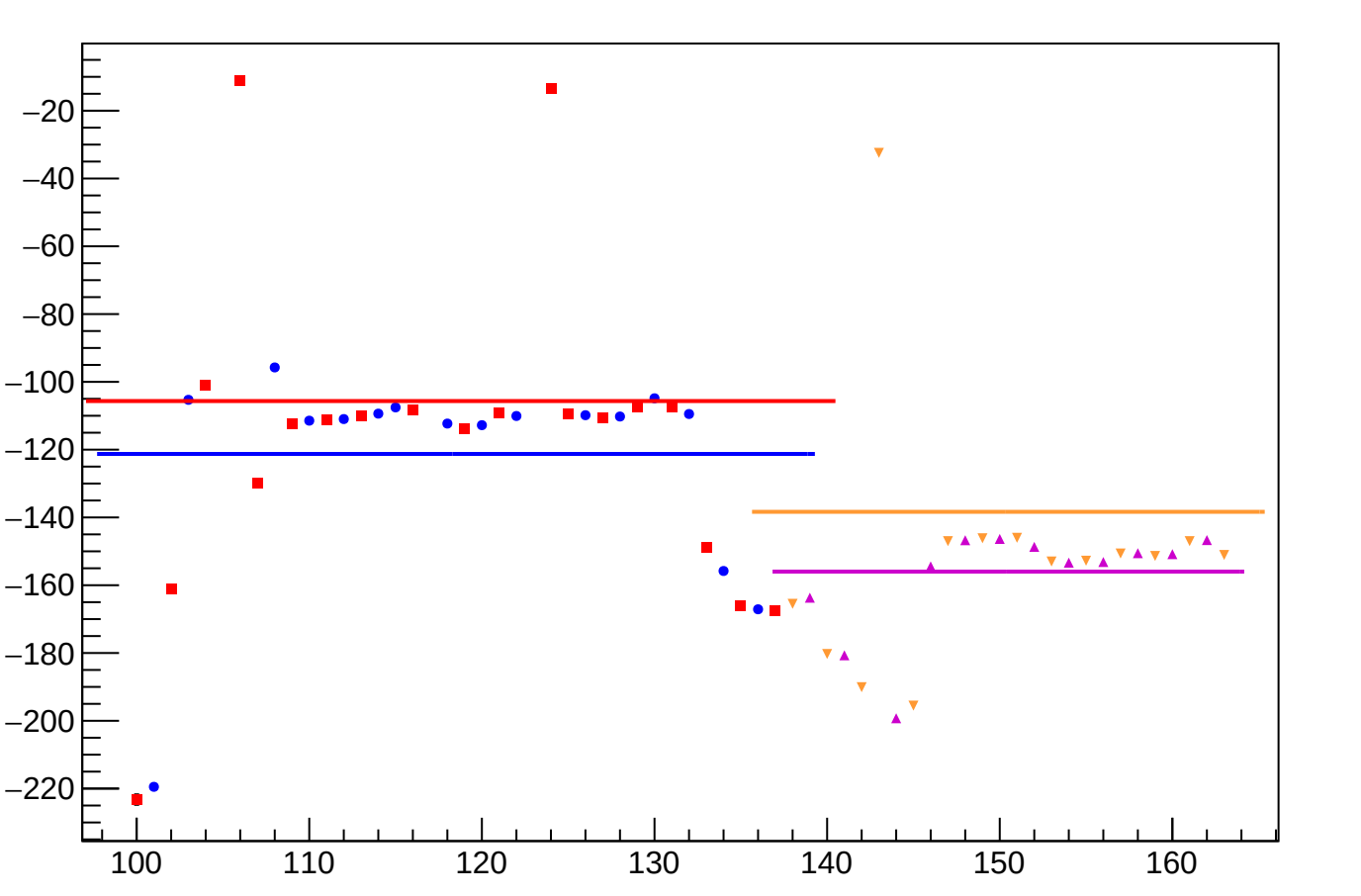
Left: 51.628+/-0.902 χ^2/NDF: 701.4/25

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 43.363+/-0.903 χ^2/NDF:519.9/27

Out: 37.893+/-0.852 χ^2/NDF:772.0/32

All: 40.468+/-0.620 χ^2/NDF: 1311.3/60



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.341+/-0.059 χ^2/NDF:628508.1/13

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -155.981+/-0.063 χ^2/NDF:47476.5/11

Left: -146.547+/-0.043 χ^2/NDF: 717641.3/25

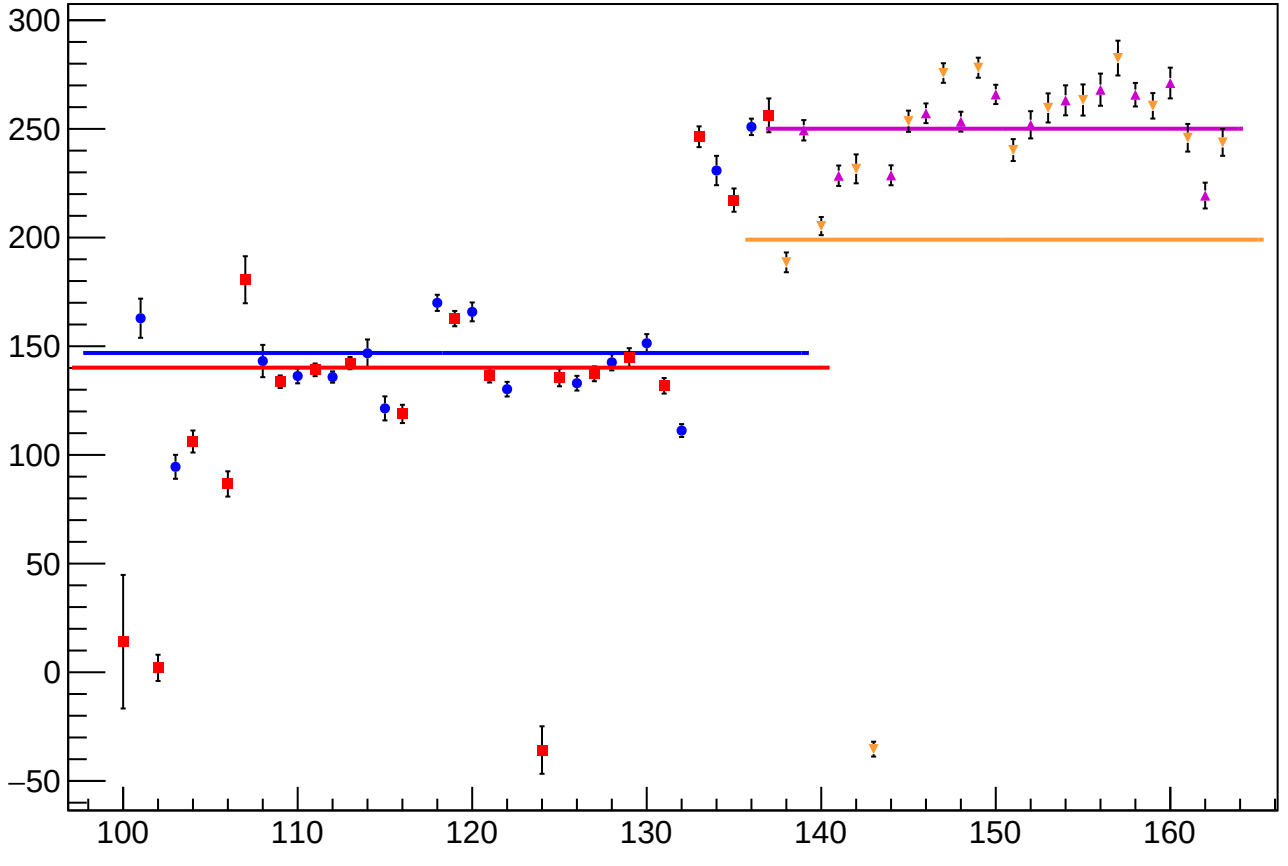
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.480+/-0.049 χ^2/NDF:284195.8/27

Out: -125.801+/-0.046 χ^2/NDF:1101549.9/32

All: -133.595+/-0.034 χ^2/NDF: 1446454.6/60

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 199.034+/-1.374 χ^2/NDF:5997.1/13

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 250.080+/-1.520 χ^2/NDF:112.2/11

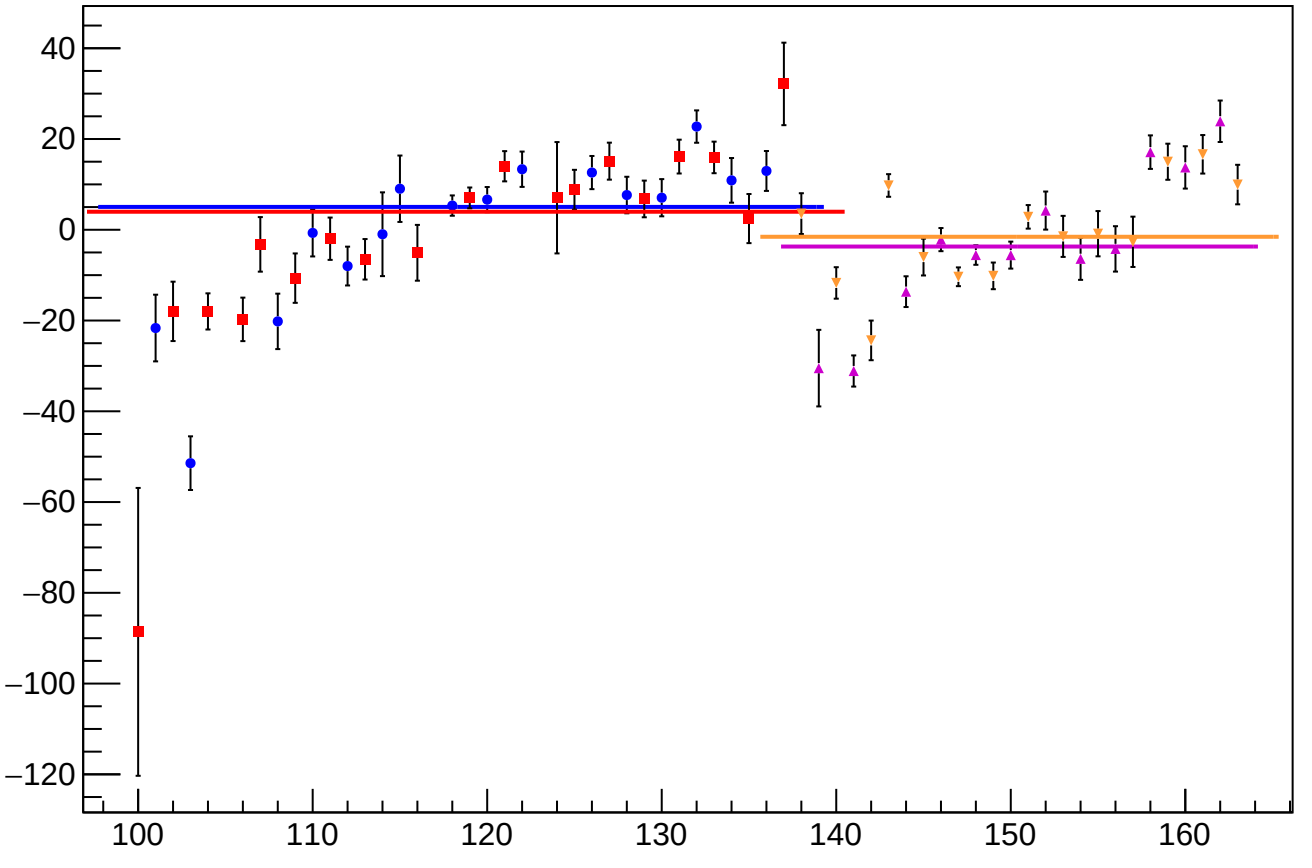
Left: 221.992+/-1.019 χ^2/NDF: 6729.7/25

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 178.210+/-0.837 χ^2/NDF:4622.9/27

Out: 159.463+/-0.787 χ^2/NDF:9181.3/32

All: 168.256+/-0.573 χ^2/NDF: 14070.3/60



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -1.544+/-0.914 χ^2/NDF:131.3/13

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -3.696+/-1.010 χ^2/NDF:170.1/11

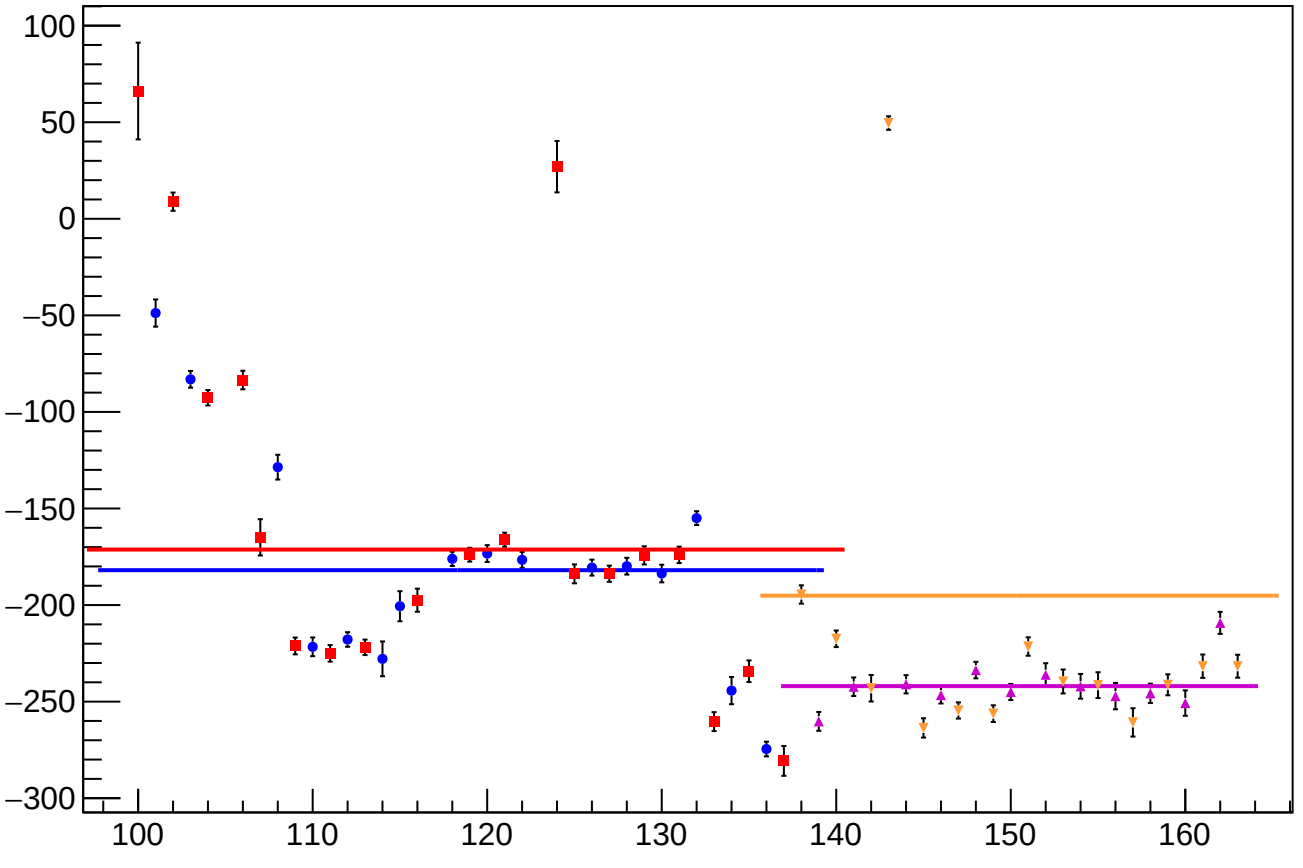
Left: -2.512+/-0.678 χ^2/NDF: 303.9/25

Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 0.626+/-0.718 χ^2/NDF:379.0/27

Out: 0.934+/-0.678 χ^2/NDF:292.6/32

All: 0.789+/-0.493 χ^2/NDF: 671.6/60



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -195.123+/-1.346 χ^2/NDF:5864.0/13

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -241.970+/-1.469 χ^2/NDF:56.3/11

Left: -216.502+/-0.992 χ^2/NDF: 6473.1/25

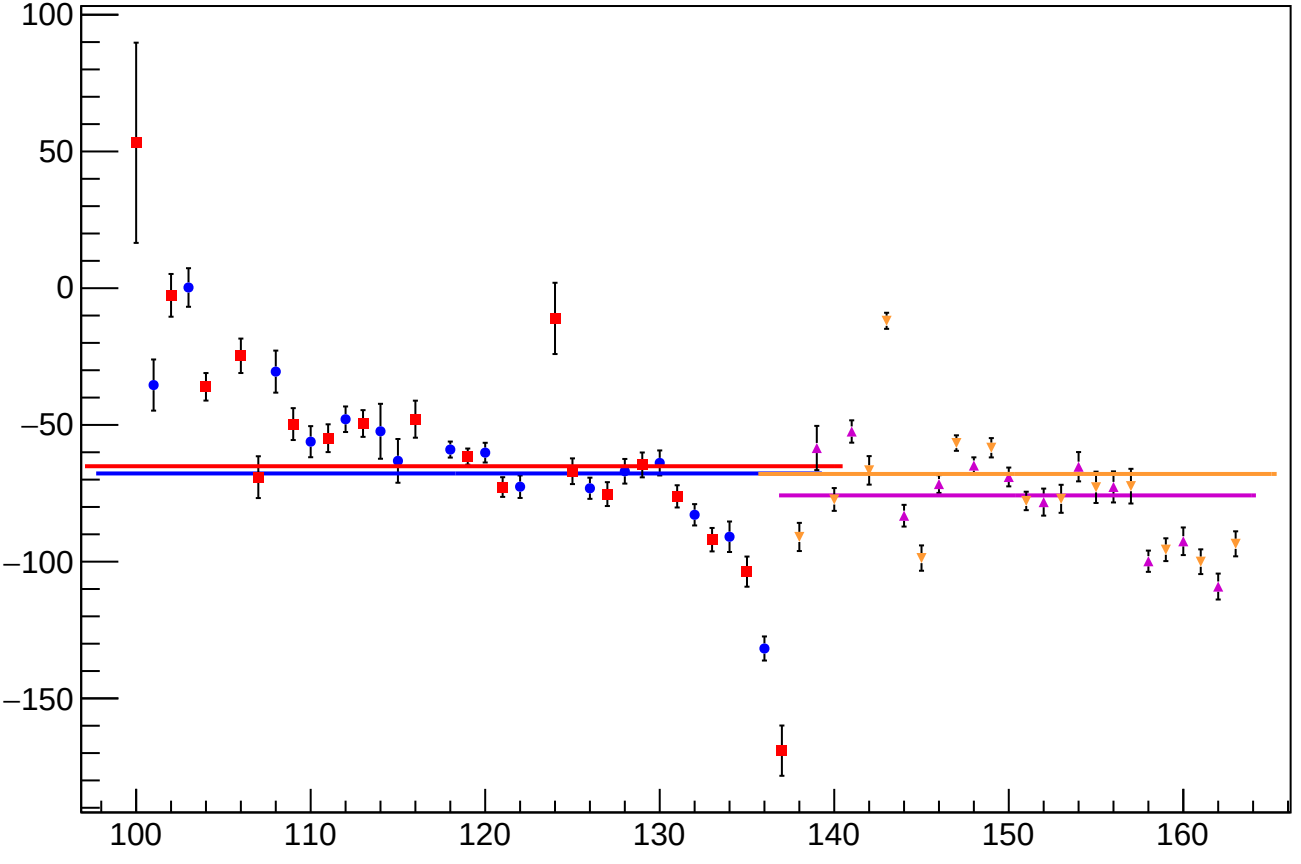
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.851+/-0.907 χ^2/NDF:2959.1/27

Out: -180.932+/-0.857 χ^2/NDF:9679.1/32

All: -192.206+/-0.623 χ^2/NDF: 13005.5/60

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -67.928+/-1.095 χ^2/NDF:594.1/13

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -75.770+/-1.207 χ^2/NDF:162.8/11

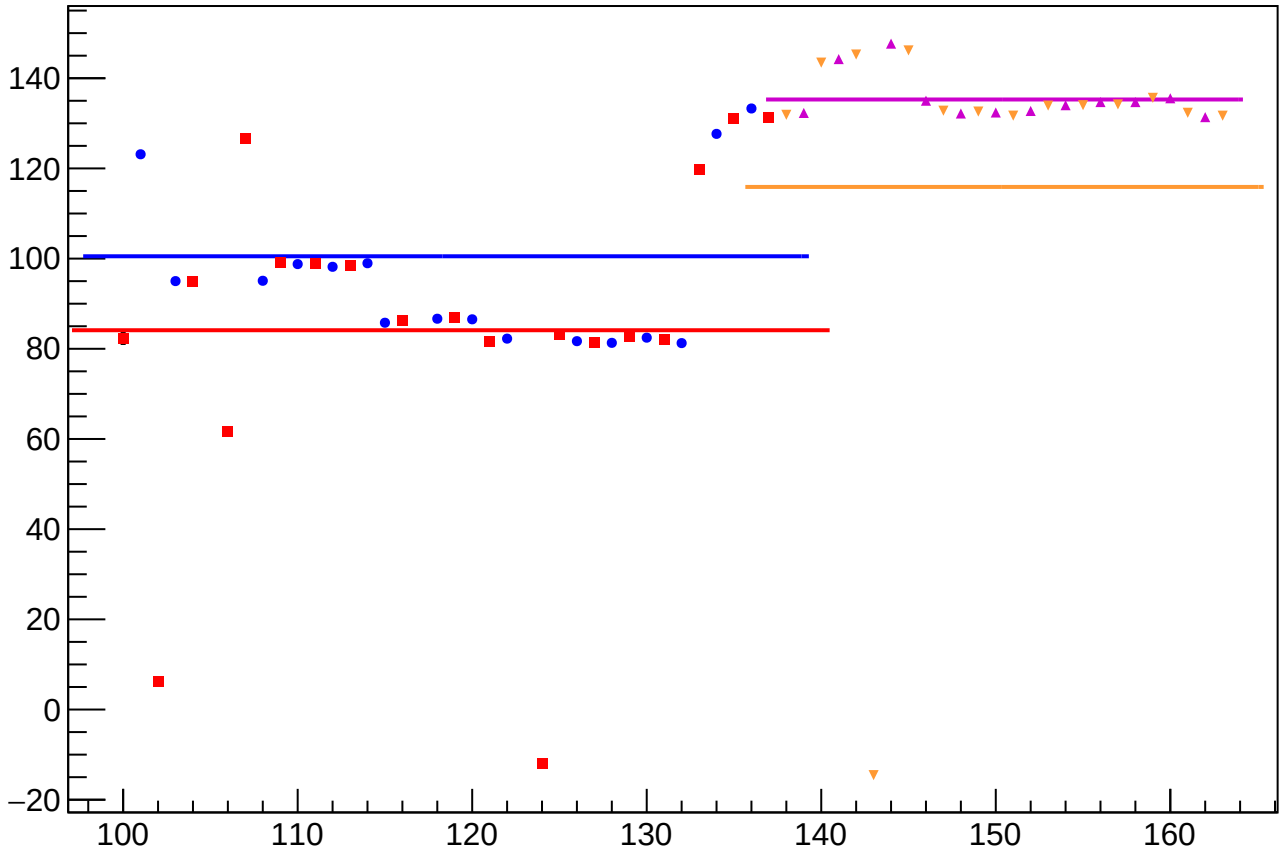
Left: -71.467+/-0.811 χ^2/NDF: 780.1/25

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -71.670+/-0.844 χ^2/NDF:599.5/27

Out: -66.606+/-0.798 χ^2/NDF:1026.2/32

All: -68.997+/-0.580 χ^2/NDF: 1644.7/60



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 115.893+/-0.053 χ^2/NDF:926411.0/13

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.284+/-0.056 χ^2/NDF:6940.3/11

Left: 124.976+/-0.038 χ^2/NDF: 996551.0/25

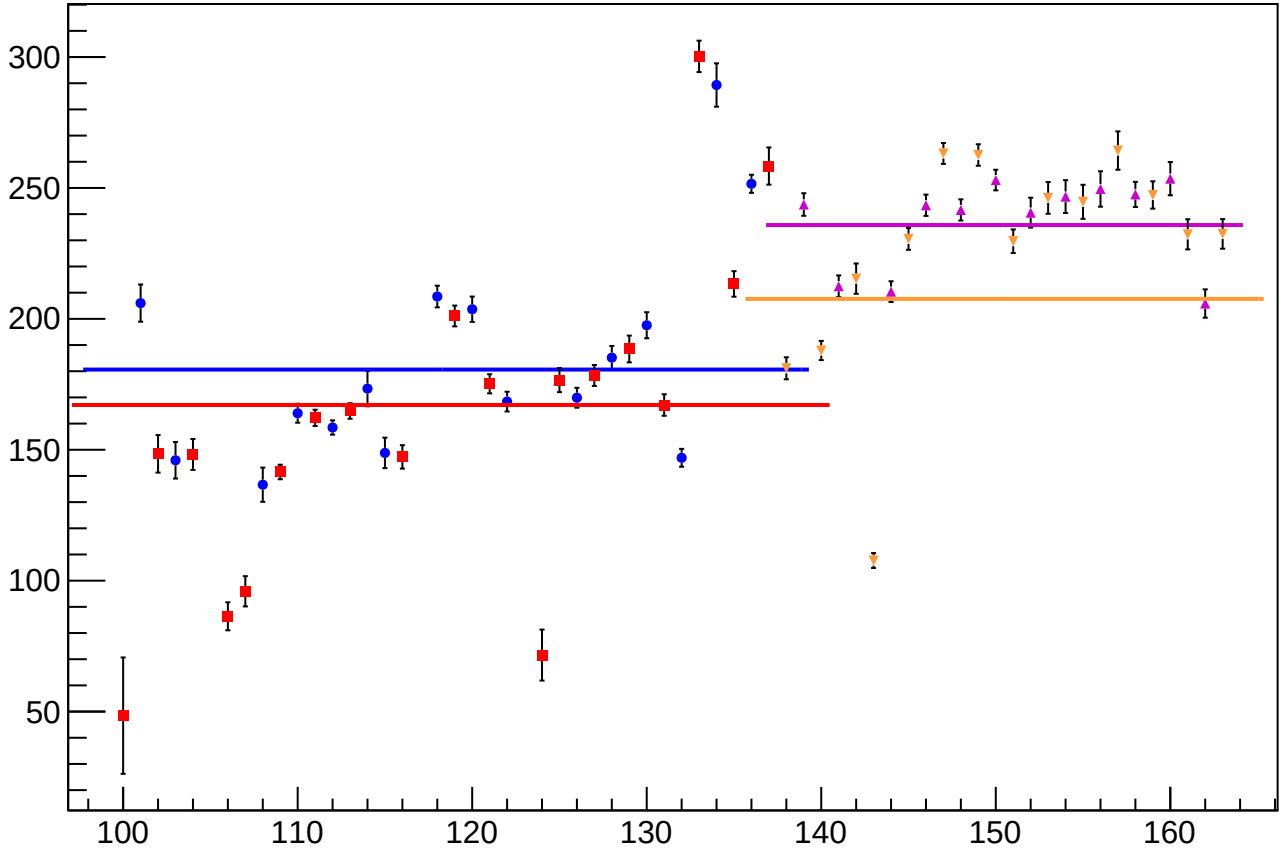
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 122.547+/-0.045 χ^2/NDF:214413.4/27

Out: 104.205+/-0.042 χ^2/NDF:1323481.8/32

All: 112.786+/-0.031 χ^2/NDF: 1627239.1/60

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.837+/-1.357 χ^2/NDF:153.3/11

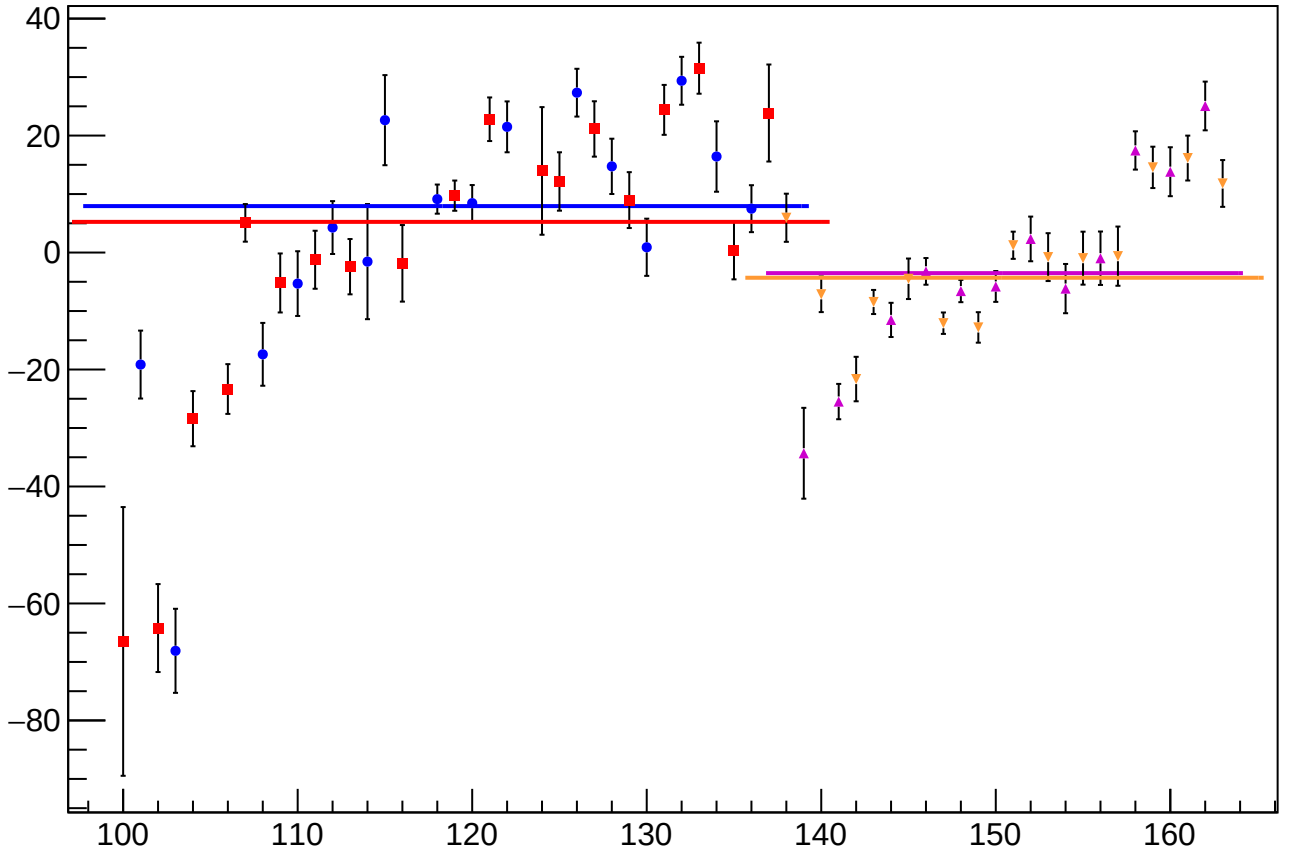
Left: 220.143+/-0.904 χ^2/NDF: 2356.3/25

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.267+/-0.850 χ^2/NDF:2152.5/27

Out: 183.929+/-0.781 χ^2/NDF:4101.9/32

All: 192.323+/-0.575 χ^2/NDF: 6507.0/60



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -3.520+/-0.899 χ^2/NDF:187.7/11

Left: -3.959+/-0.600 χ^2/NDF: 329.3/25

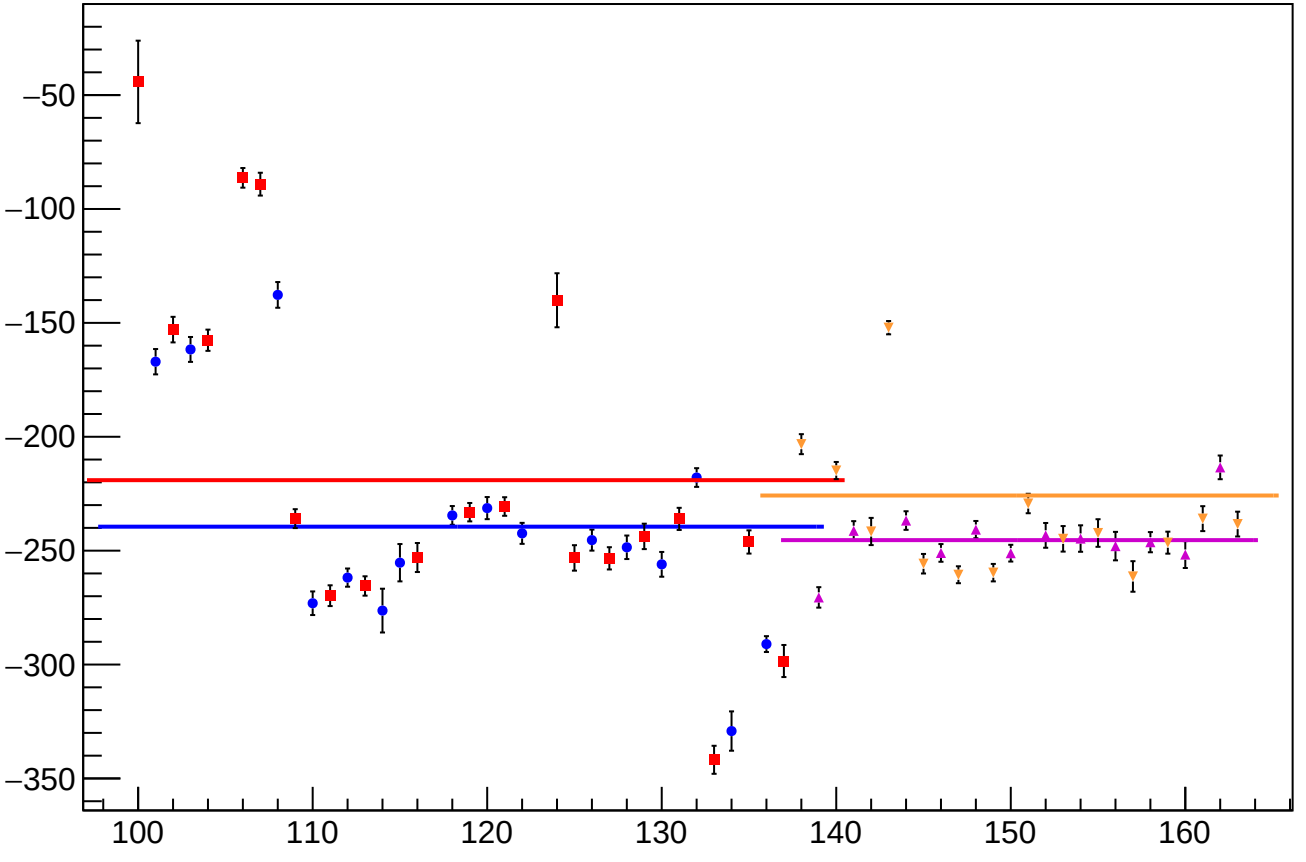
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.008+/-0.700 χ^2/NDF:484.8/27

Out: -0.824+/-0.642 χ^2/NDF:495.5/32

All: 0.013+/-0.473 χ^2/NDF: 984.0/60

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.790+/-1.188 χ^2/NDF:966.3/13

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -245.374+/-1.312 χ^2/NDF:81.9/11

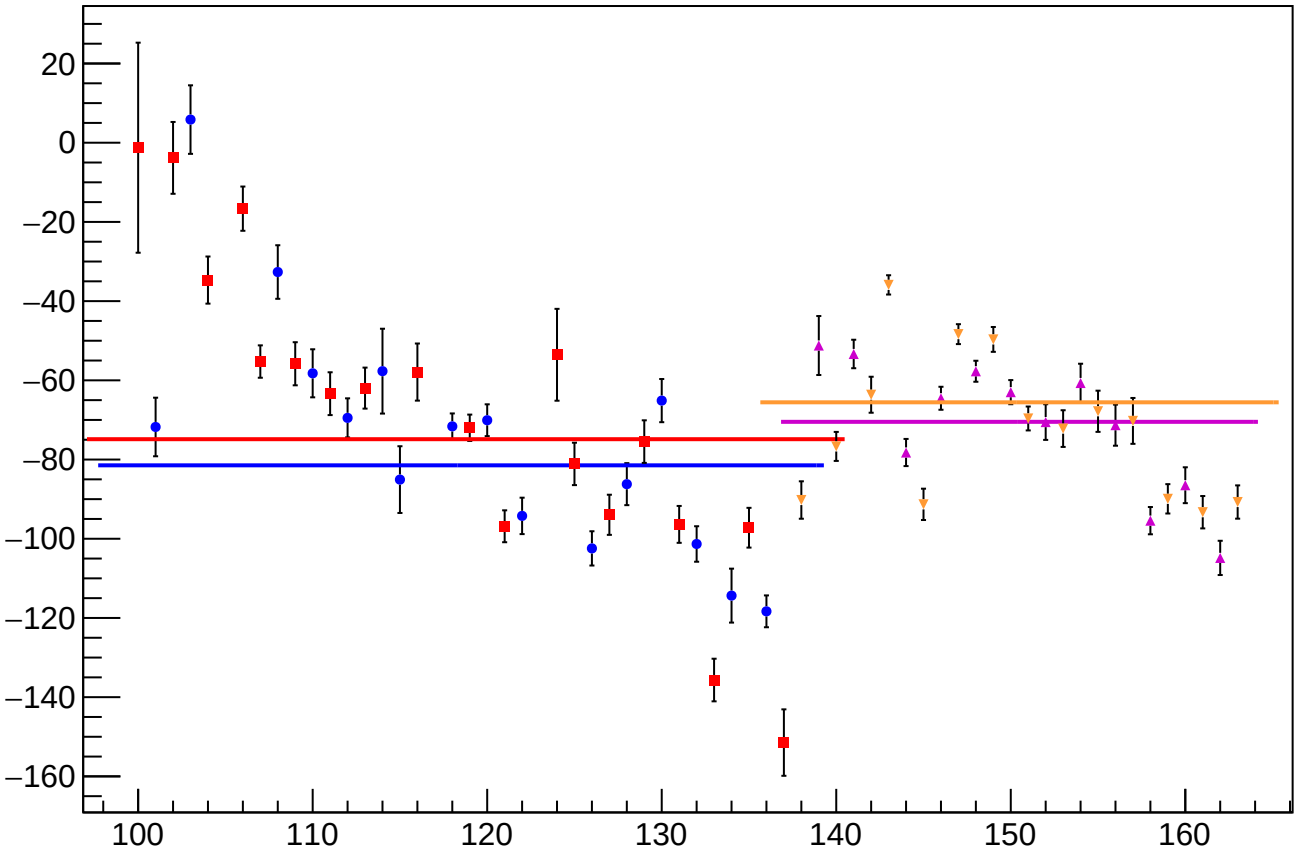
Left: -234.617+/-0.881 χ^2/NDF: 1170.7/25

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.268+/-0.903 χ^2/NDF:1254.8/27

Out: -222.387+/-0.836 χ^2/NDF:4031.9/32

All: -231.560+/-0.614 χ^2/NDF: 5547.6/60



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -70.478+/-1.075 χ^2/NDF:200.3/11

Left: -67.749+/-0.719 χ^2/NDF: 641.5/25

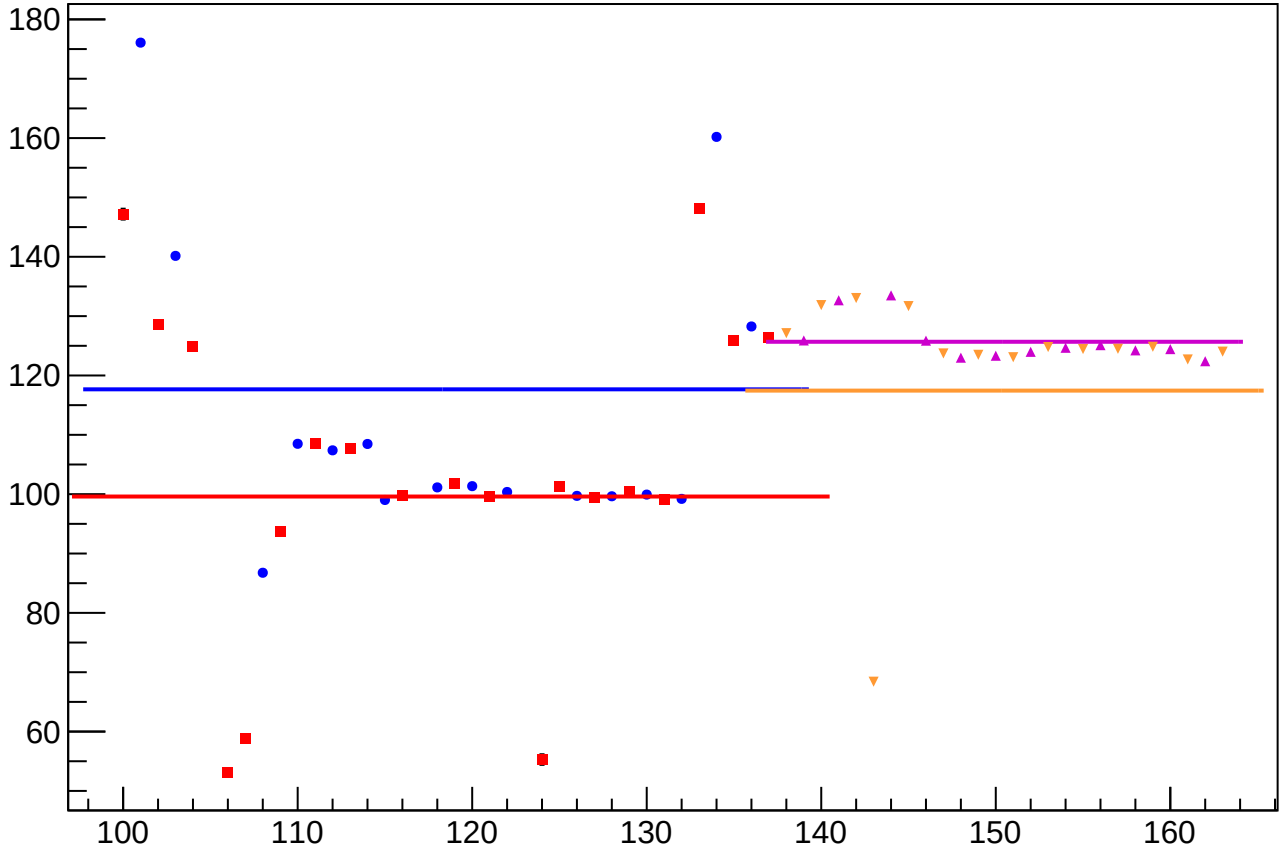
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -74.995+/-0.825 χ^2/NDF:609.6/27

Out: -69.100+/-0.760 χ^2/NDF:1041.7/32

All: -71.804+/-0.559 χ^2/NDF: 1679.0/60

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.679+/-0.050 χ^2/NDF:4534.8/11

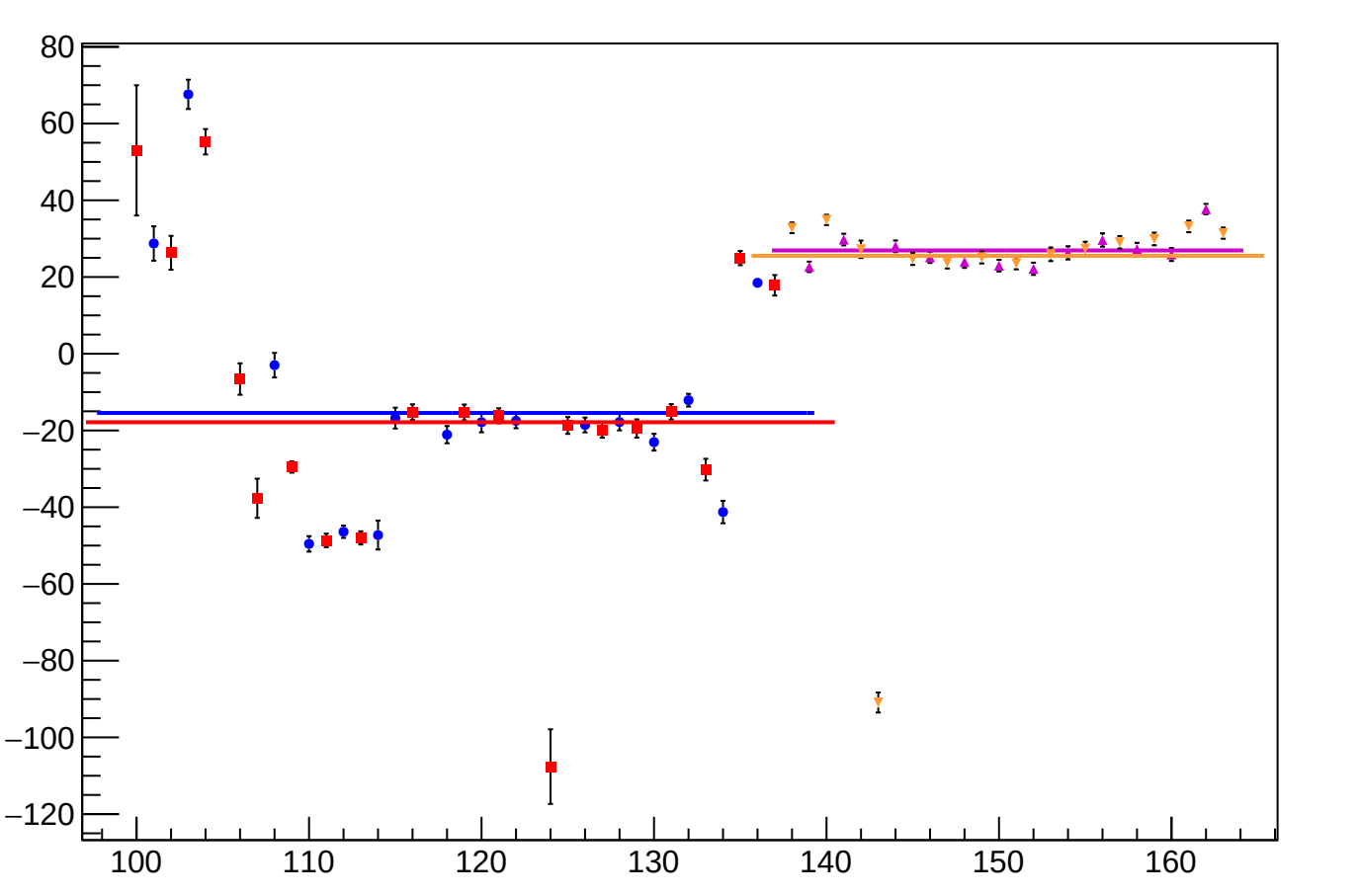
Left: 121.263+/-0.034 χ^2/NDF: 214316.0/25

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.332+/-0.042 χ^2/NDF:107346.6/27

Out: 111.972+/-0.039 χ^2/NDF:406350.4/32

All: 117.178+/-0.029 χ^2/NDF: 552674.2/60



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.523+/-0.436 χ^2/NDF:2121.2/13

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.926+/-0.446 χ^2/NDF:100.2/11

Left: 26.207+/-0.312 χ^2/NDF: 2226.5/25

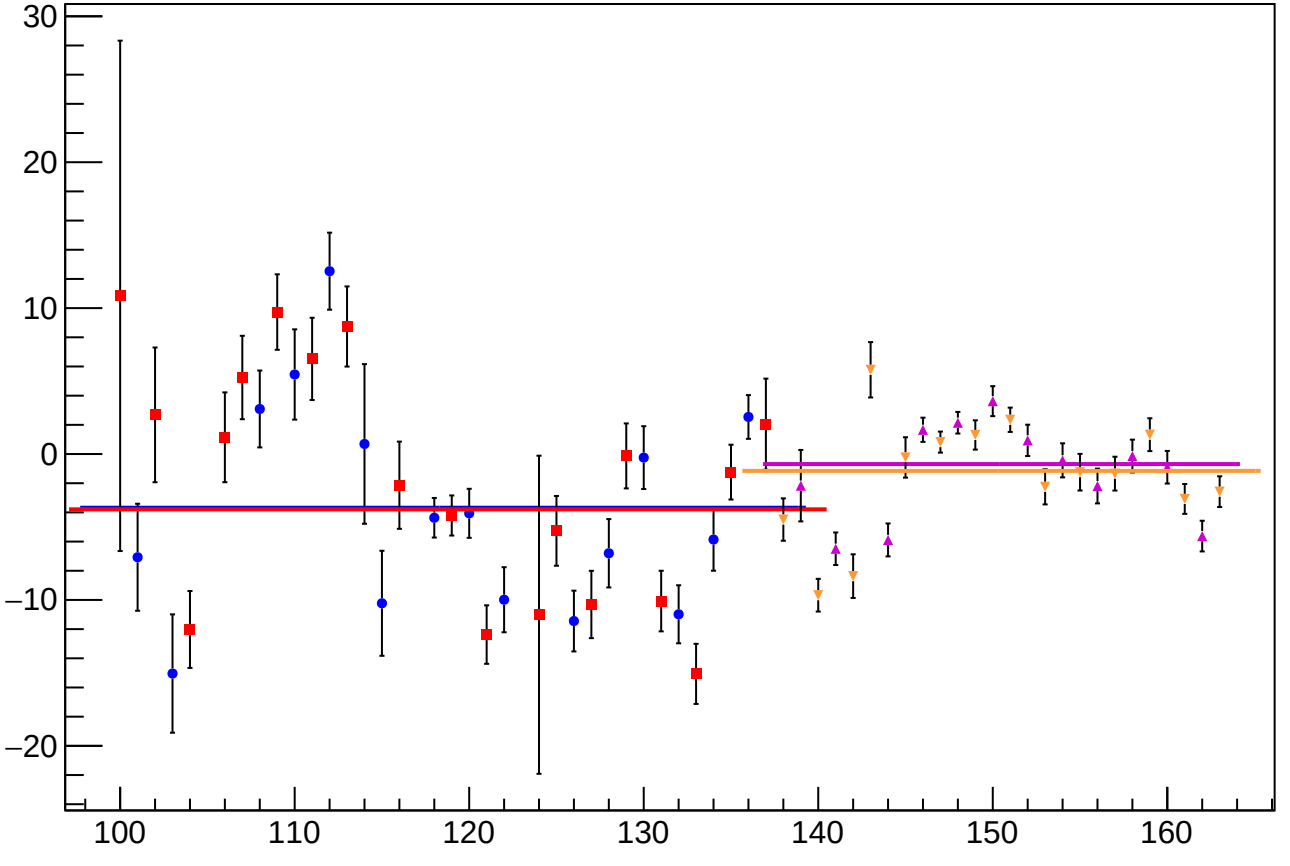
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 9.694+/-0.344 χ^2/NDF:5888.6/27

Out: 8.023+/-0.336 χ^2/NDF:8246.5/32

All: 8.840+/-0.240 χ^2/NDF: 14147.2/60

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: -1.155+/-0.294 χ^2/NDF:142.3/13

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -0.687+/-0.305 χ^2/NDF:115.2/11

Left: -0.929+/-0.211 χ^2/NDF: 258.7/25

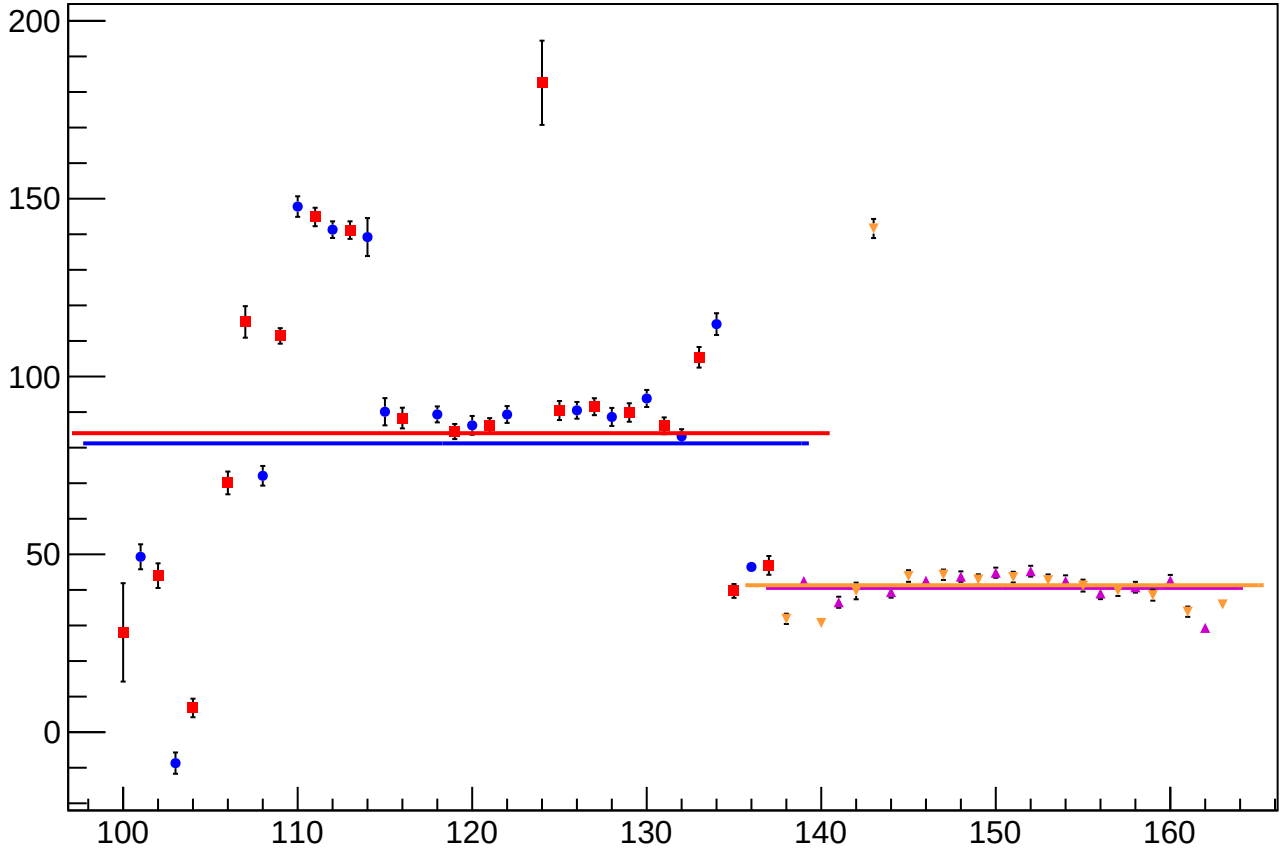
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.385+/-0.267 χ^2/NDF:261.7/27

Out: -1.718+/-0.261 χ^2/NDF:320.7/32

All: -1.555+/-0.186 χ^2/NDF: 583.2/60

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.314+/-0.421 χ^2/NDF:1552.1/13

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.563+/-0.430 χ^2/NDF:112.1/11

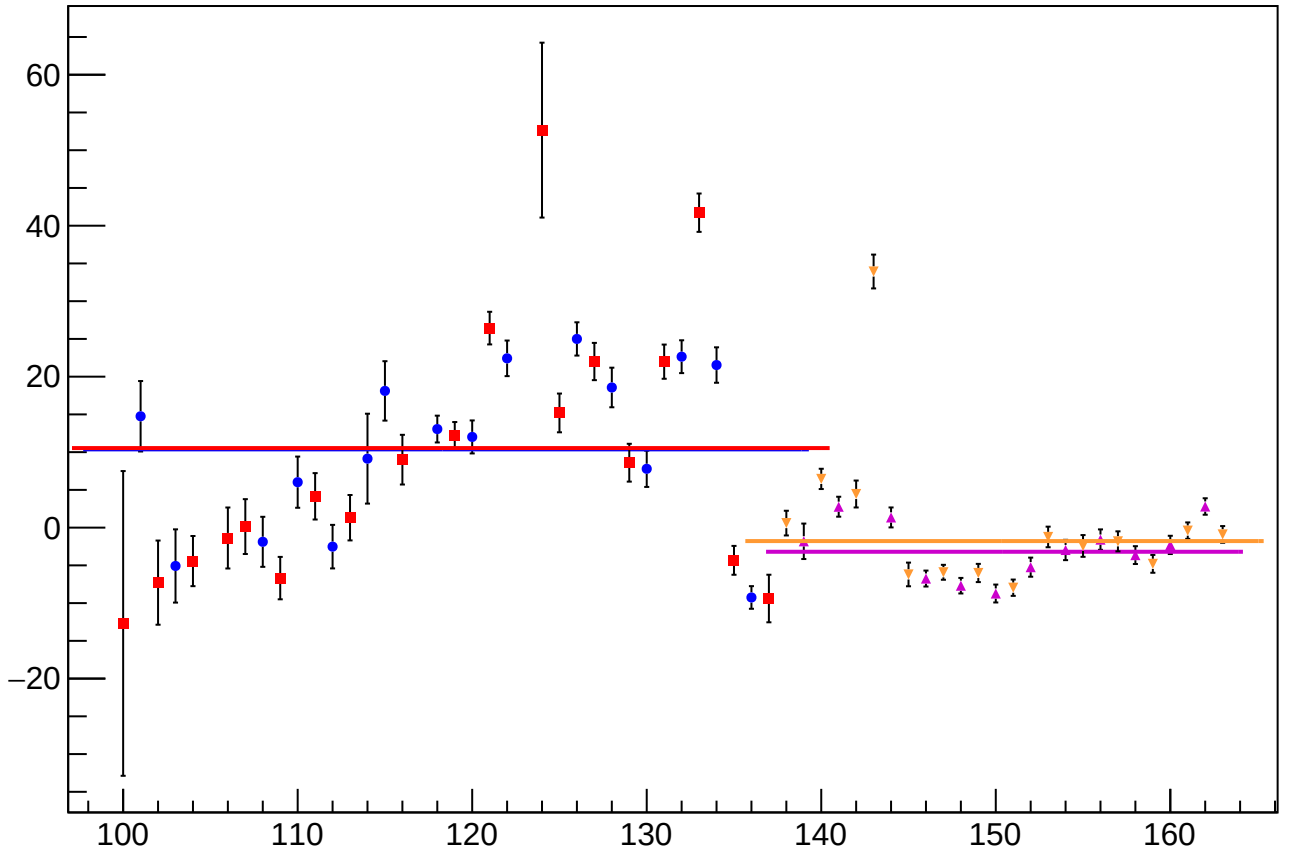
Left: 40.946+/-0.301 χ^2/NDF: 1665.8/25

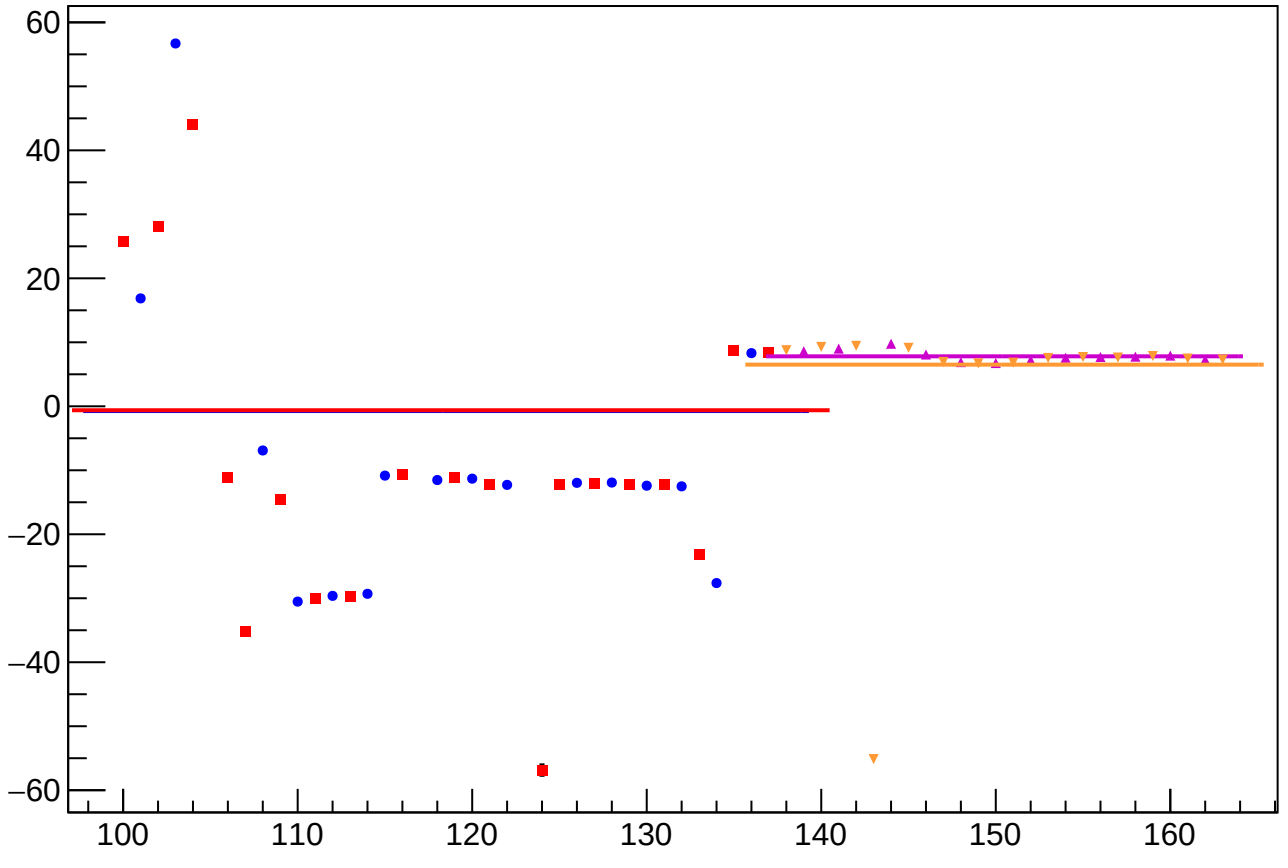
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 54.146+/-0.351 χ^2/NDF:6326.5/27

Out: 54.936+/-0.348 χ^2/NDF:8037.5/32

All: 54.544+/-0.247 χ^2/NDF: 14366.5/60


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.782+/-0.345 χ²/NDF:385.5/13
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.197+/-0.357 χ²/NDF:119.6/11
Left: -2.466+/-0.248 χ²/NDF: 513.2/25
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.129+/-0.310 χ²/NDF:833.2/27
Out: 0.995+/-0.304 χ²/NDF:1143.1/32
All: 0.571+/-0.217 χ²/NDF: 1980.3/60



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.809+/-0.016 χ^2/NDF:2241.6/11

Left: 7.151+/-0.011 χ^2/NDF: 318653.2/25

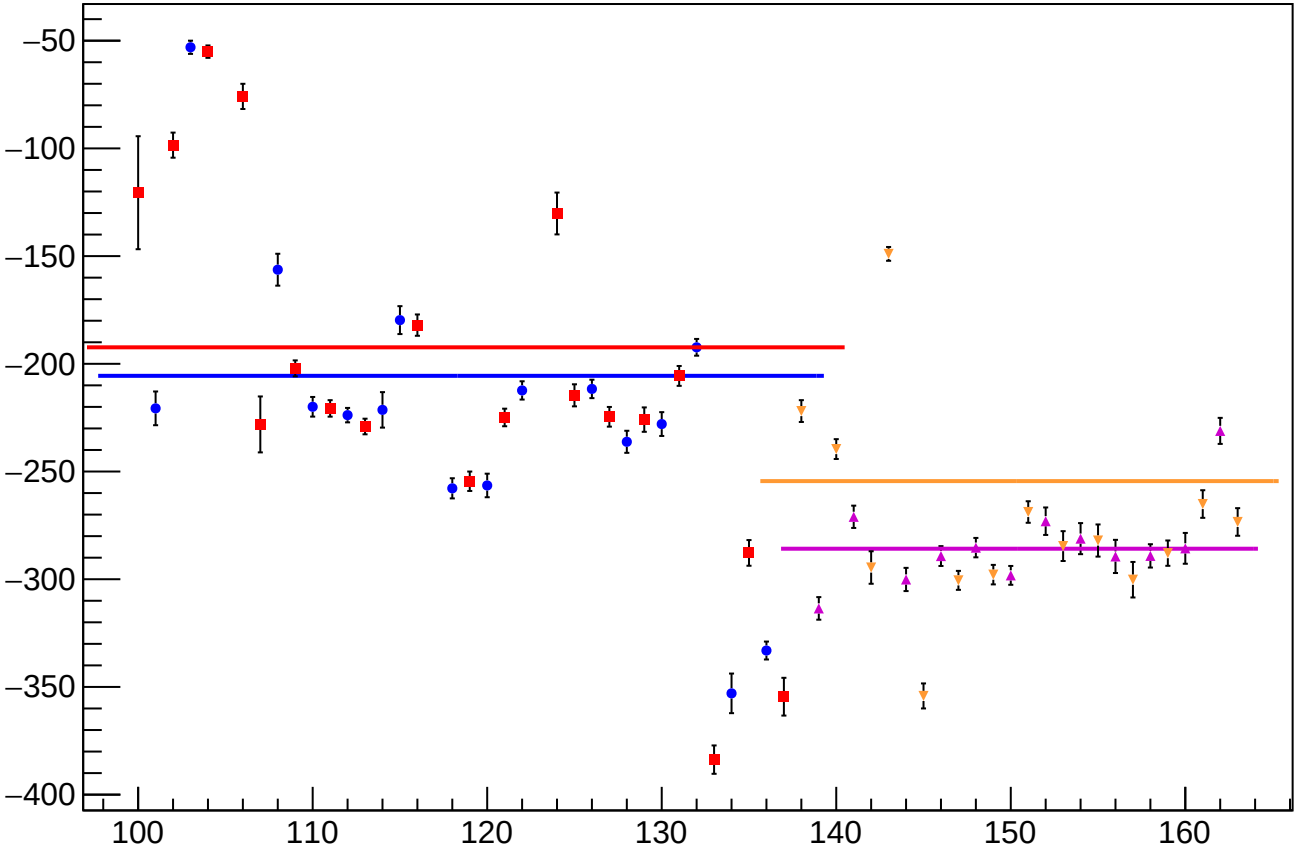
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.377+/-0.015 χ^2/NDF:417561.4/27

Out: 5.417+/-0.015 χ^2/NDF:660463.1/32

All: 5.895+/-0.010 χ^2/NDF: 1080173.2/60

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -254.449+/-1.411 χ^2/NDF:1772.9/13

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -285.837+/-1.584 χ^2/NDF:138.6/11

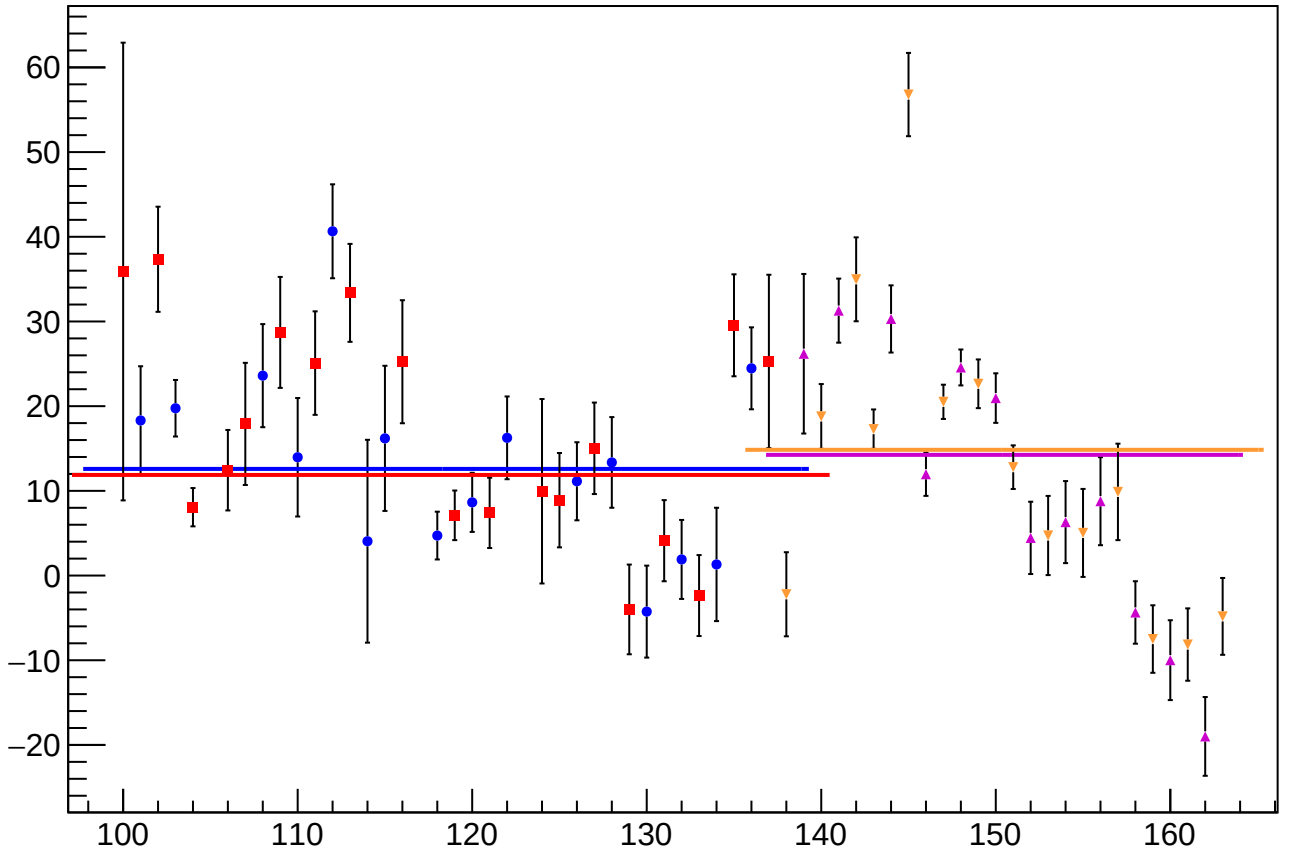
Left: -268.341+/-1.054 χ^2/NDF: 2130.4/25

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.372+/-0.949 χ^2/NDF:5841.2/27

Out: -216.407+/-0.879 χ^2/NDF:7928.8/32

All: -224.701+/-0.645 χ^2/NDF: 13963.0/60



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 14.847+/-0.924 χ^2/NDF:207.2/13

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 14.251+/-1.034 χ^2/NDF:180.0/11

Left: 14.582+/-0.689 χ^2/NDF: 387.5/25

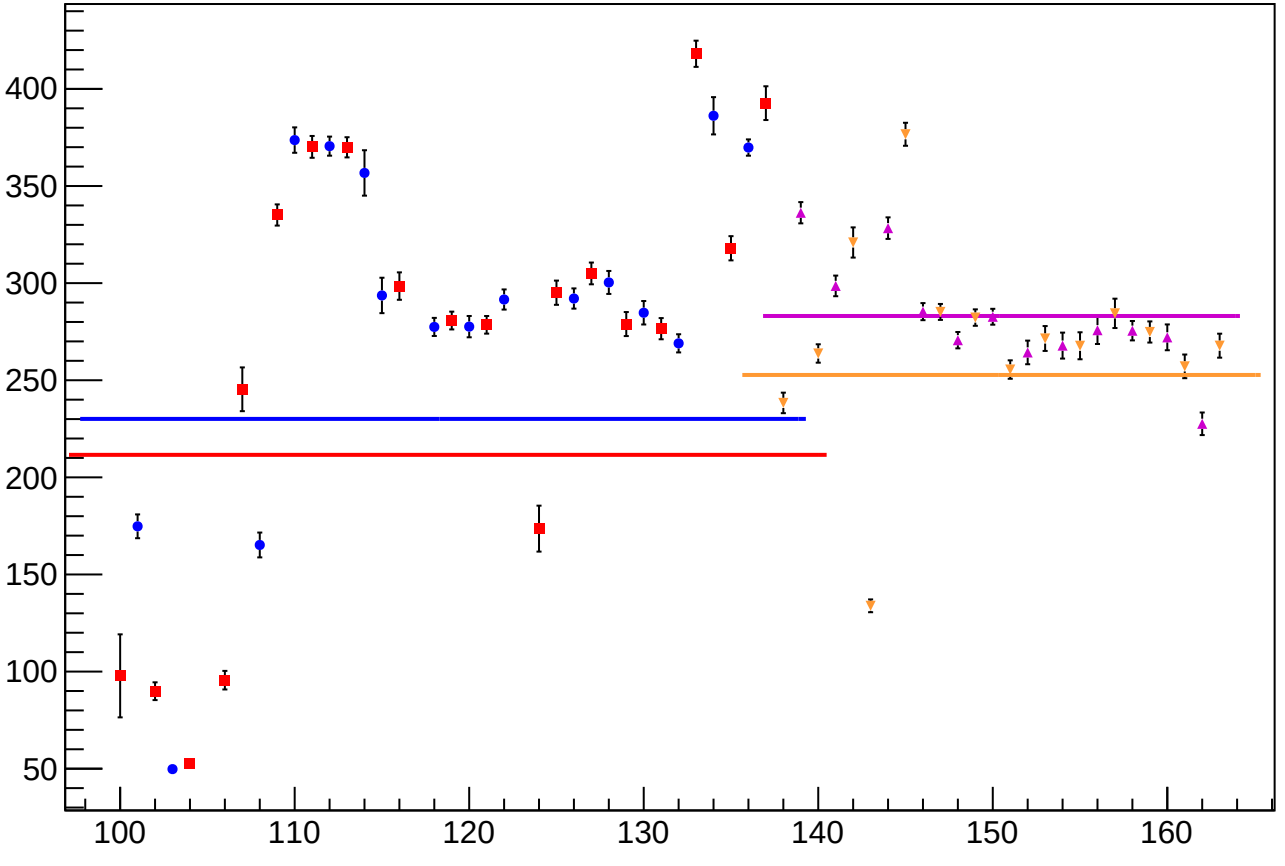
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 13.547+/-0.784 χ^2/NDF:249.6/27

Out: 13.648+/-0.713 χ^2/NDF:296.4/32

All: 13.602+/-0.527 χ^2/NDF: 546.0/60

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: 252.724+/-1.378 χ^2/NDF:1991.3/13

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 283.085+/-1.524 χ^2/NDF:290.5/11

Left: 266.389+/-1.022 χ^2/NDF: 2500.3/25

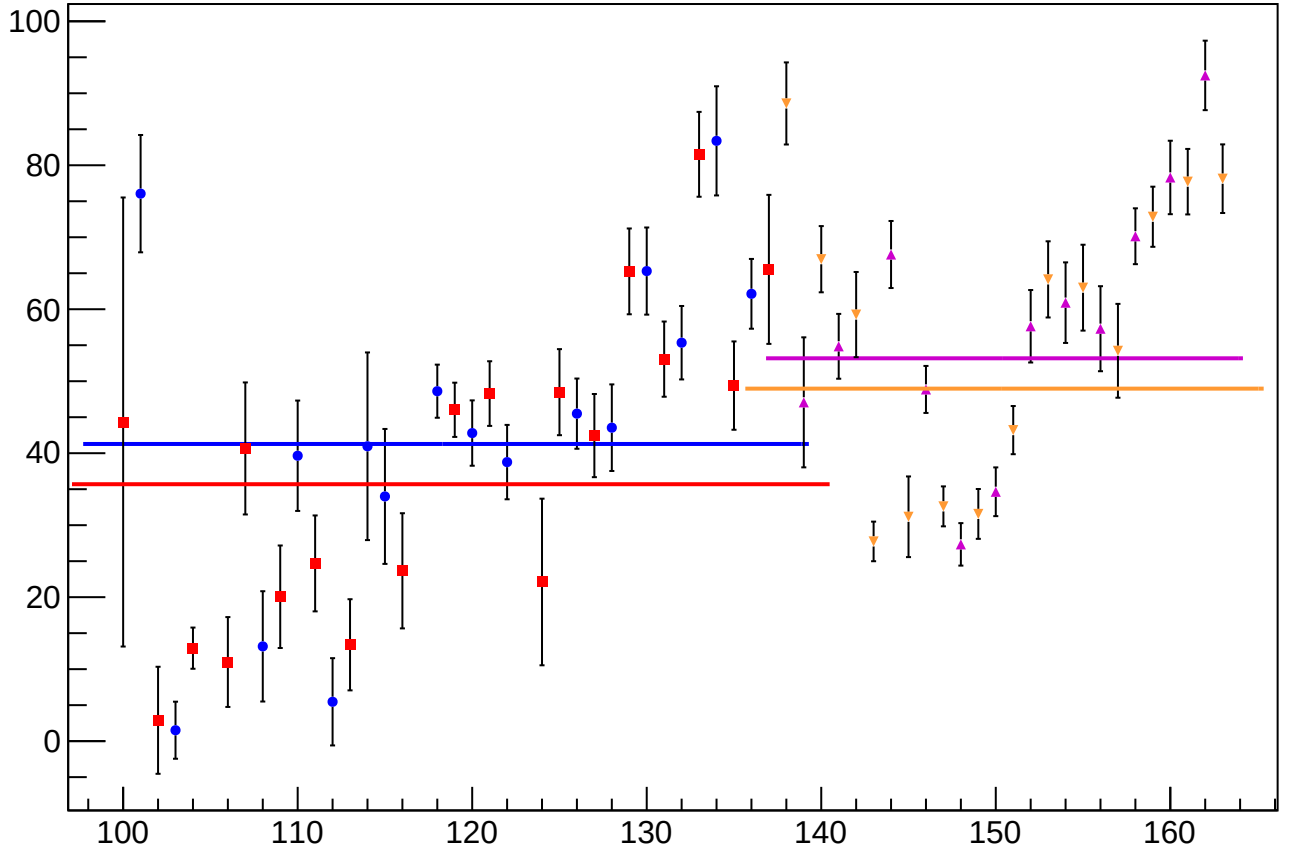
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 251.610+/-0.971 χ^2/NDF:10384.7/27

Out: 229.245+/-0.903 χ^2/NDF:13971.9/32

All: 239.620+/-0.661 χ^2/NDF: 24641.1/60

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 48.971+/-1.111 χ^2/NDF:323.6/13

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 53.183+/-1.239 χ^2/NDF:231.5/11

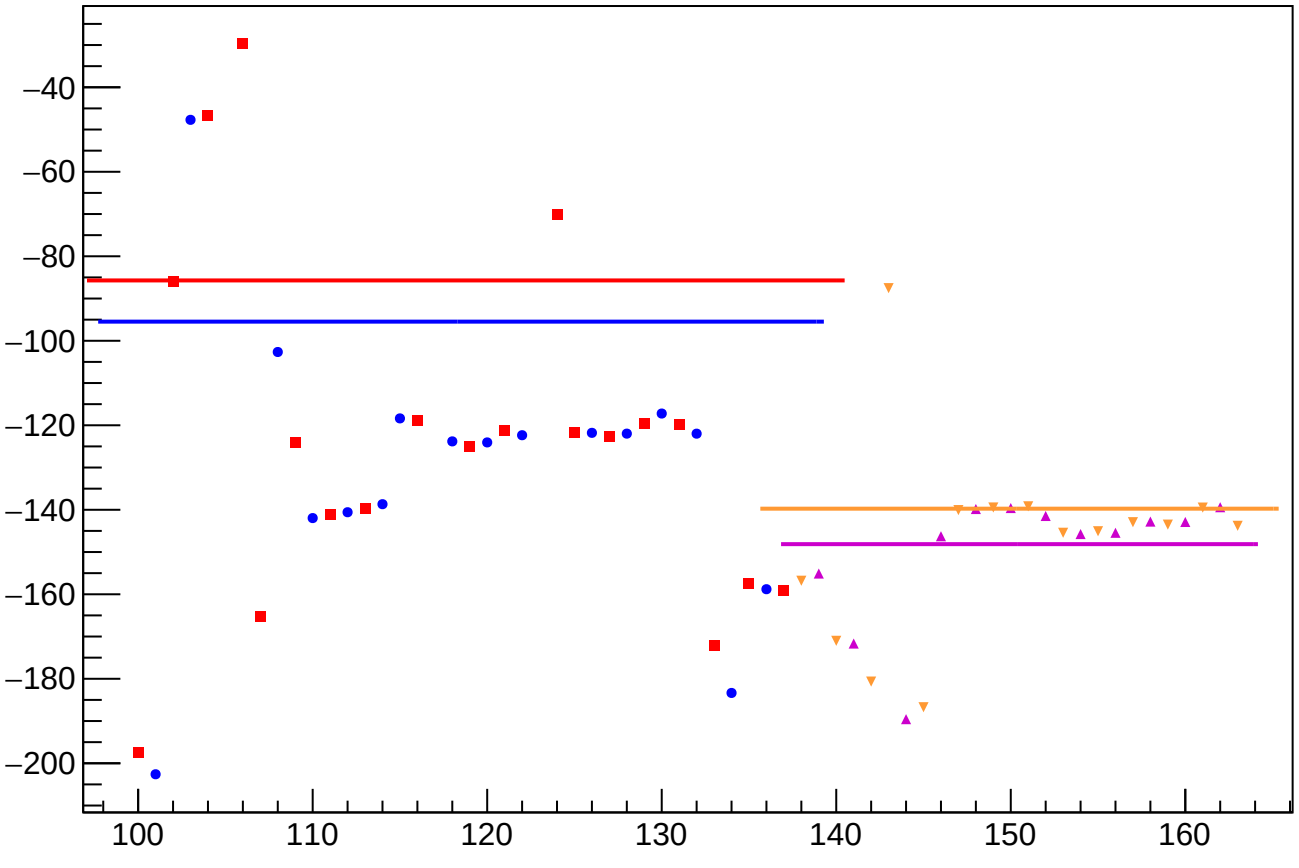
Left: 50.848+/-0.827 χ^2/NDF: 561.5/25

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 47.945+/-0.927 χ^2/NDF:517.8/27

Out: 43.450+/-0.849 χ^2/NDF:636.2/32

All: 45.500+/-0.626 χ^2/NDF: 1166.8/60



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.738+/-0.054 χ^2/NDF:231307.7/13

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -148.134+/-0.058 χ^2/NDF:50076.4/11

Left: -143.632+/-0.040 χ^2/NDF: 292524.3/25

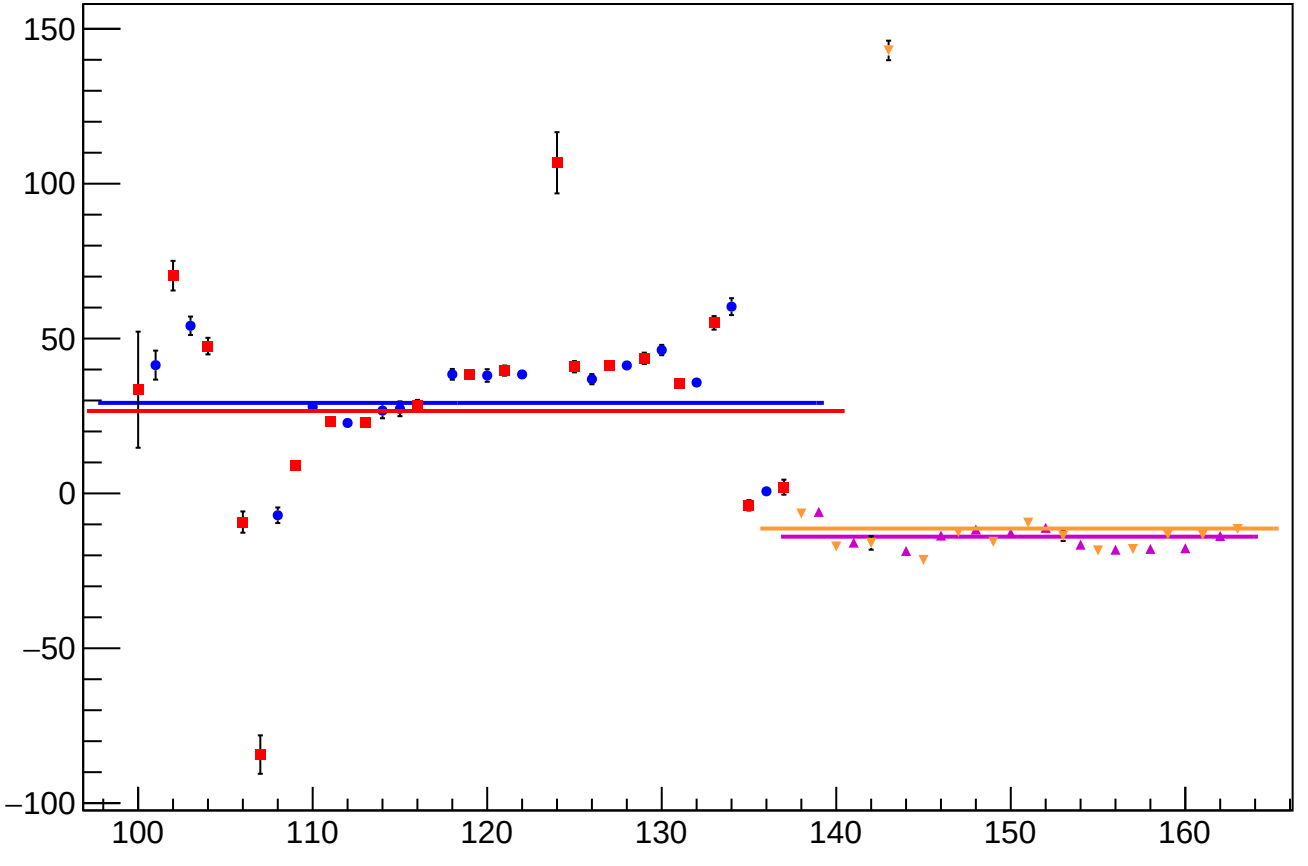
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -126.388+/-0.045 χ^2/NDF:907620.0/27

Out: -118.366+/-0.042 χ^2/NDF:1107417.1/32

All: -122.144+/-0.031 χ^2/NDF: 2032129.2/60

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: -11.340+/-0.409 χ^2/NDF:2529.7/13

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.966+/-0.417 χ^2/NDF:82.4/11

Left: -12.626+/-0.292 χ^2/NDF: 2632.3/25

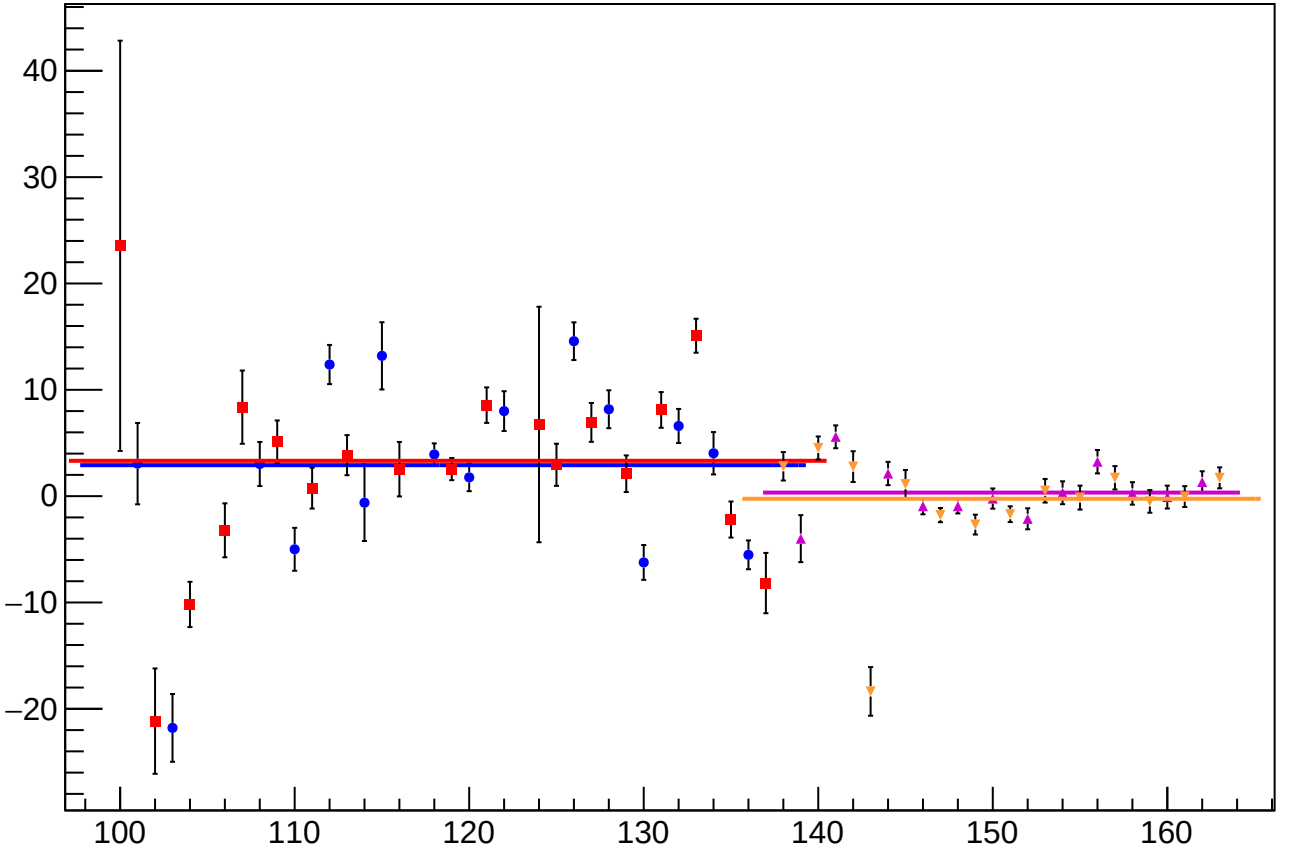
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 7.268+/-0.297 χ^2/NDF:6695.1/27

Out: 7.385+/-0.291 χ^2/NDF:8705.0/32

All: 7.328+/-0.208 χ^2/NDF: 15400.1/60

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: -0.246+/-0.275 χ^2/NDF:116.7/13

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.336+/-0.285 χ^2/NDF:51.3/11

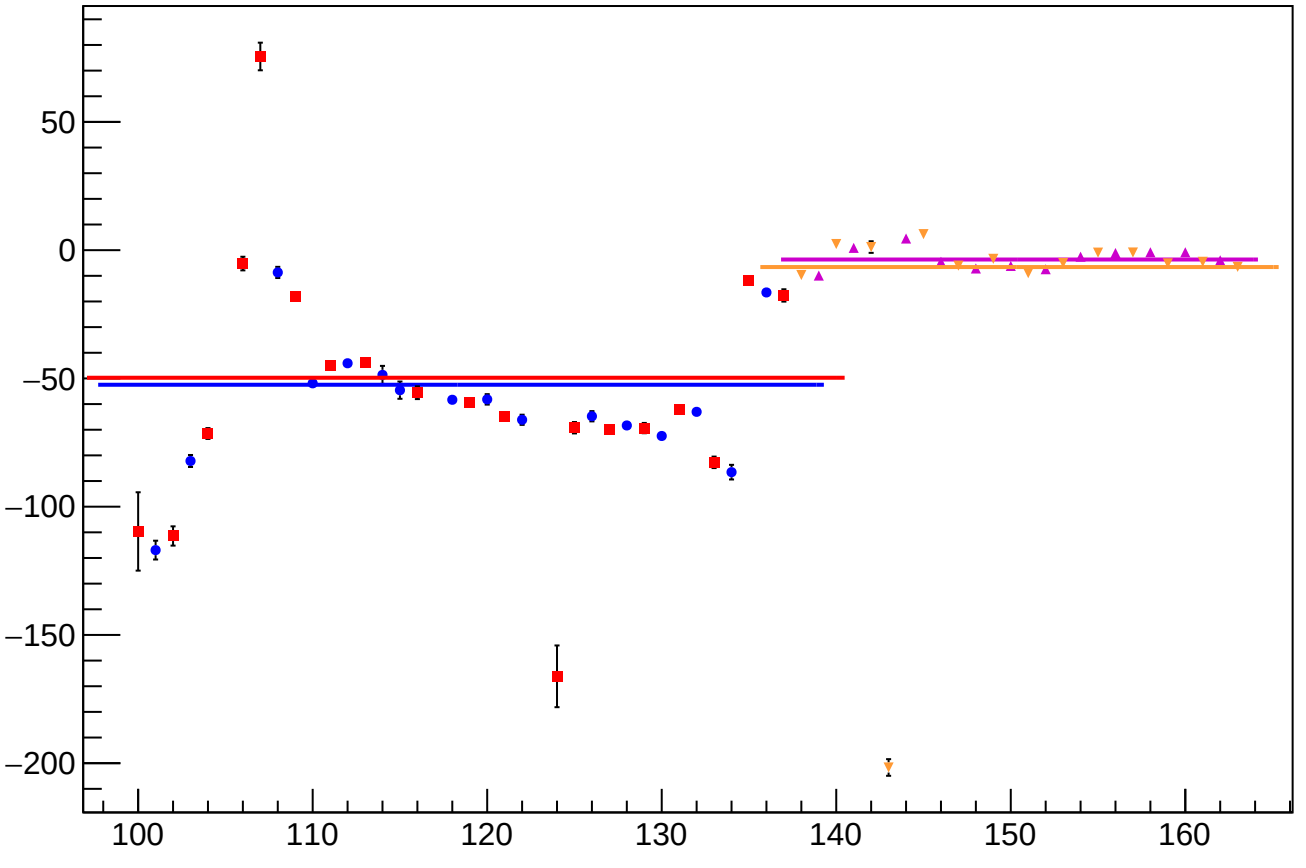
Left: 0.034+/-0.198 χ^2/NDF: 170.2/25

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.091+/-0.239 χ^2/NDF:325.3/27

Out: 0.712+/-0.235 χ^2/NDF:343.8/32

All: 0.898+/-0.168 χ^2/NDF: 670.4/60



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.642+/-0.402 χ^2/NDF:91.1/11

Left: -5.138+/-0.282 χ^2/NDF: 3906.0/25

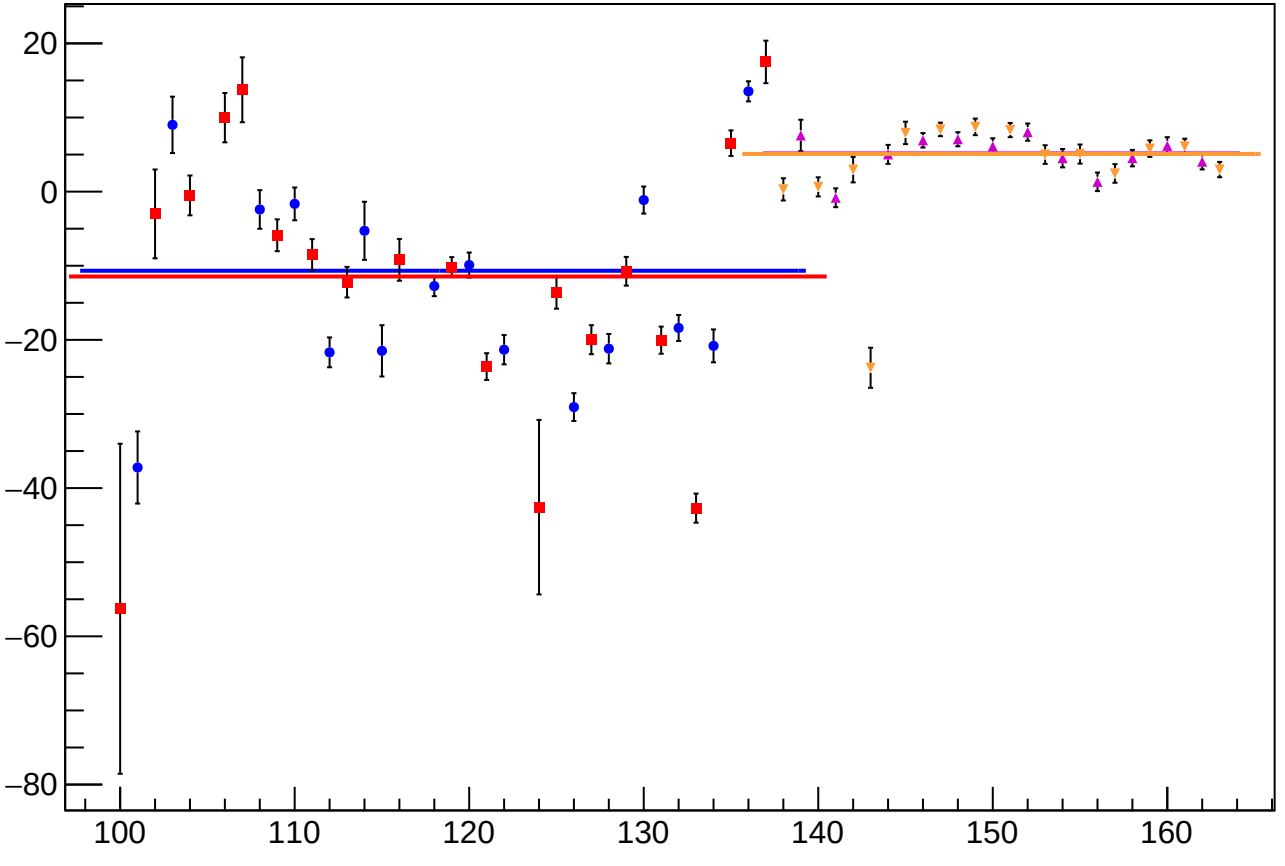
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -23.386+/-0.310 χ^2/NDF:8388.9/27

Out: -23.405+/-0.308 χ^2/NDF:11452.4/32

All: -23.395+/-0.219 χ^2/NDF: 19841.2/60

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.157+/-0.334 χ^2/NDF:49.5/11

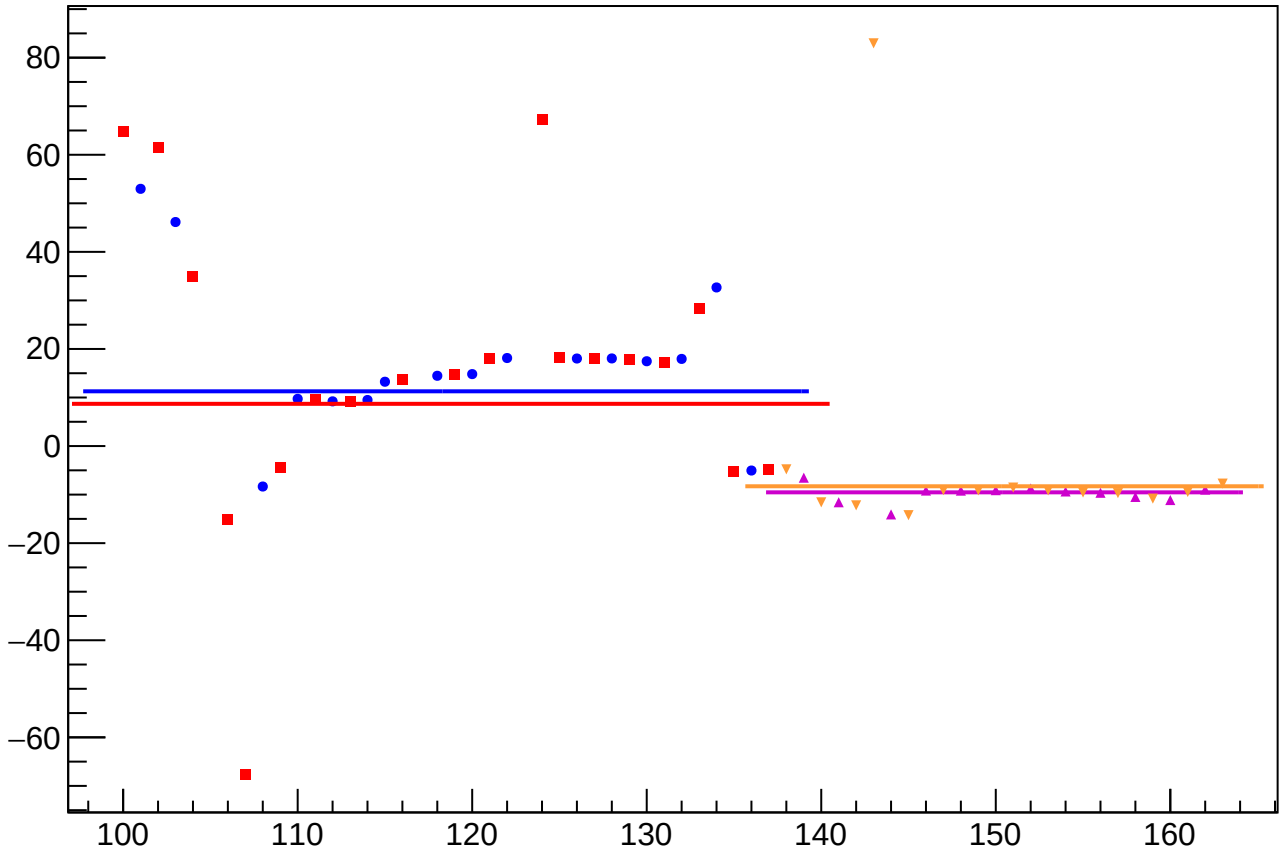
Left: 5.118+/-0.232 χ^2/NDF: 235.2/25

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.336+/-0.279 χ^2/NDF:1398.2/27

Out: 0.421+/-0.274 χ^2/NDF:1588.3/32

All: 0.379+/-0.195 χ^2/NDF: 2986.6/60



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.284+/-0.015 χ^2/NDF:480269.8/13

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.533+/-0.015 χ^2/NDF:11777.9/11

Left: -8.902+/-0.011 χ^2/NDF: 495544.4/25

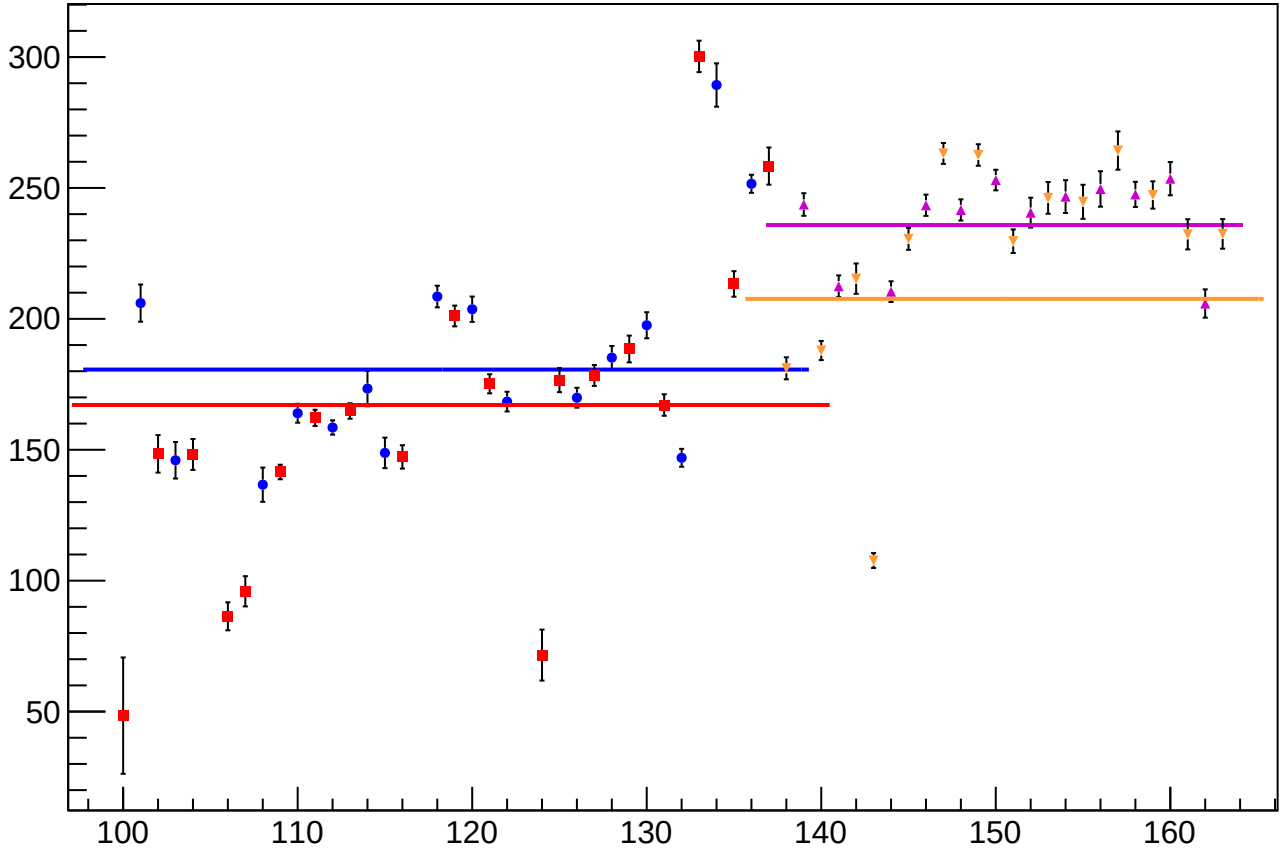
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.347+/-0.013 χ^2/NDF:747498.8/27

Out: -5.181+/-0.013 χ^2/NDF:1155155.1/32

All: -5.264+/-0.009 χ^2/NDF: 1902729.8/60

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.837+/-1.357 χ^2/NDF:153.3/11

Left: 220.143+/-0.904 χ^2/NDF: 2356.3/25

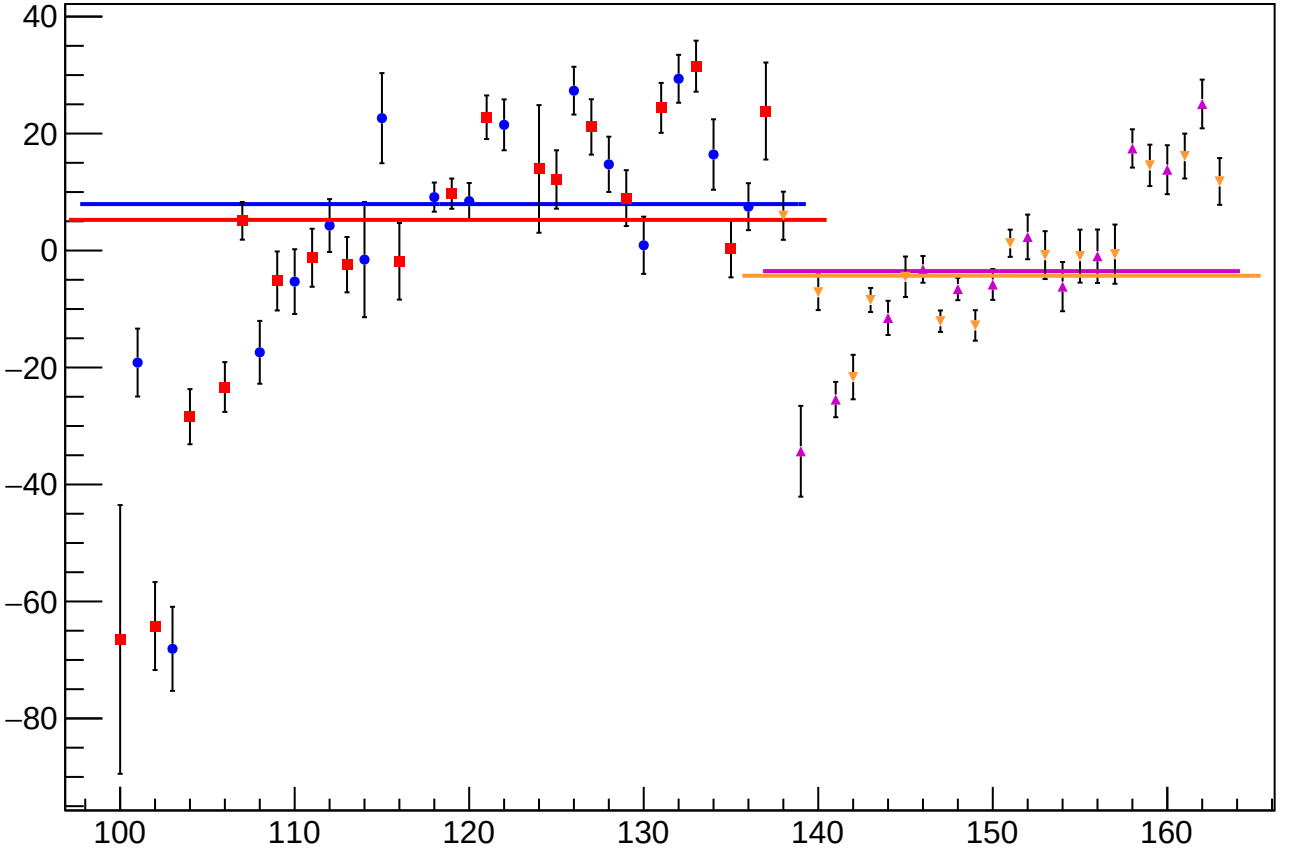
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.267+/-0.850 χ^2/NDF:2152.5/27

Out: 183.929+/-0.781 χ^2/NDF:4101.9/32

All: 192.323+/-0.575 χ^2/NDF: 6507.0/60

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -3.520+/-0.899 χ^2/NDF:187.7/11

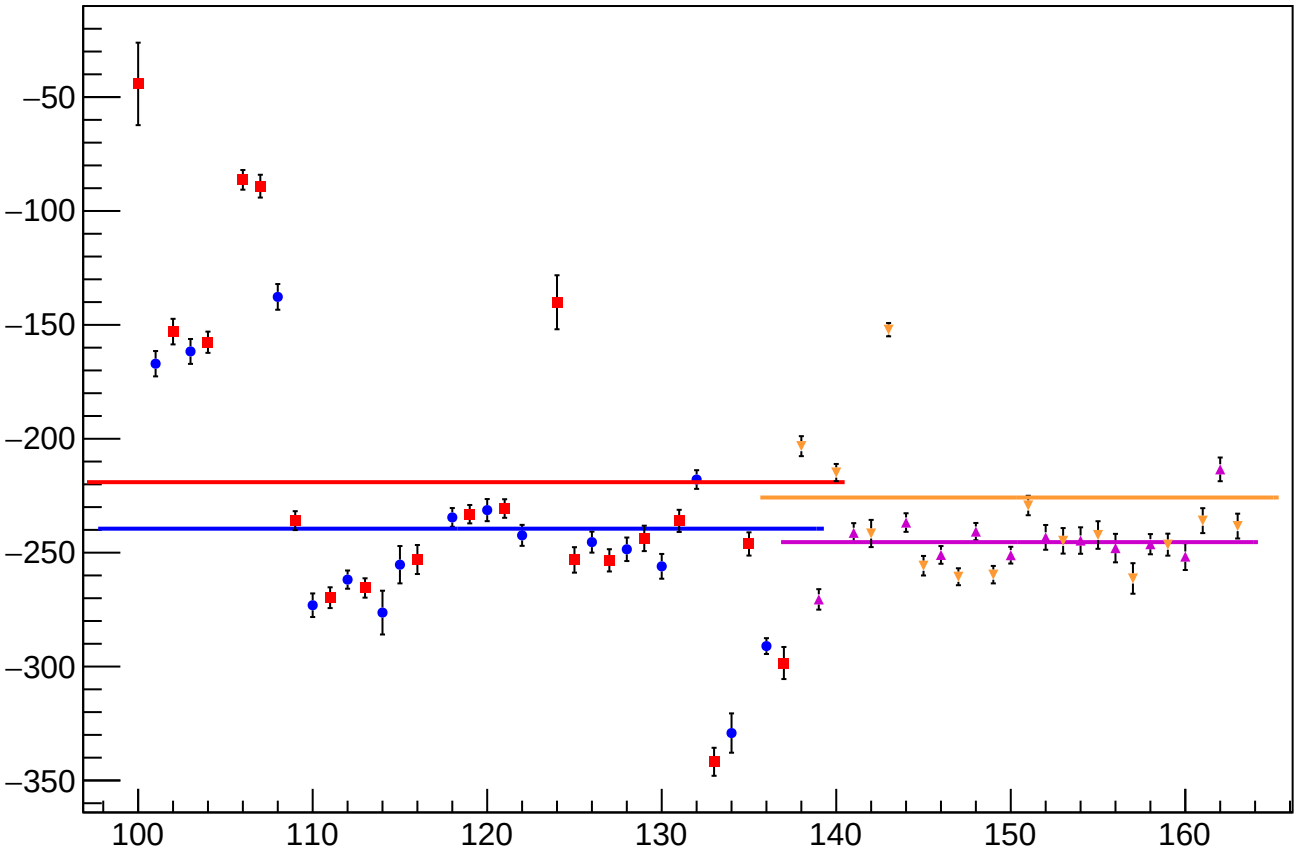
Left: -3.959+/-0.600 χ^2/NDF: 329.3/25

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

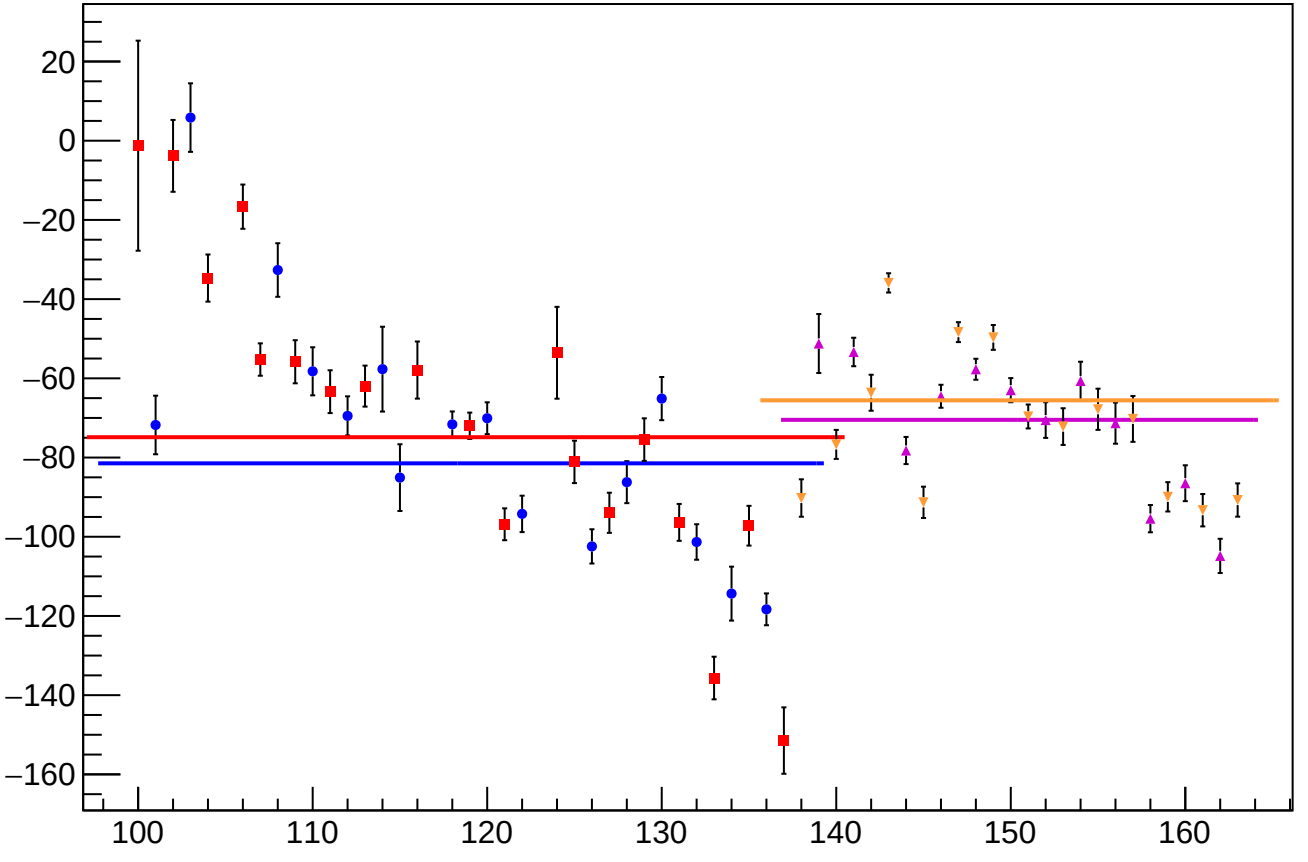
In: 1.008+/-0.700 χ^2/NDF:484.8/27

Out: -0.824+/-0.642 χ^2/NDF:495.5/32

All: 0.013+/-0.473 χ^2/NDF: 984.0/60


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -225.790+/-1.188 χ²/NDF:966.3/13
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -245.374+/-1.312 χ²/NDF:81.9/11
Left: -234.617+/-0.881 χ²/NDF: 1170.7/25
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -242.268+/-0.903 χ²/NDF:1254.8/27
Out: -222.387+/-0.836 χ²/NDF:4031.9/32
All: -231.560+/-0.614 χ²/NDF: 5547.6/60

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -70.478+/-1.075 χ^2/NDF:200.3/11

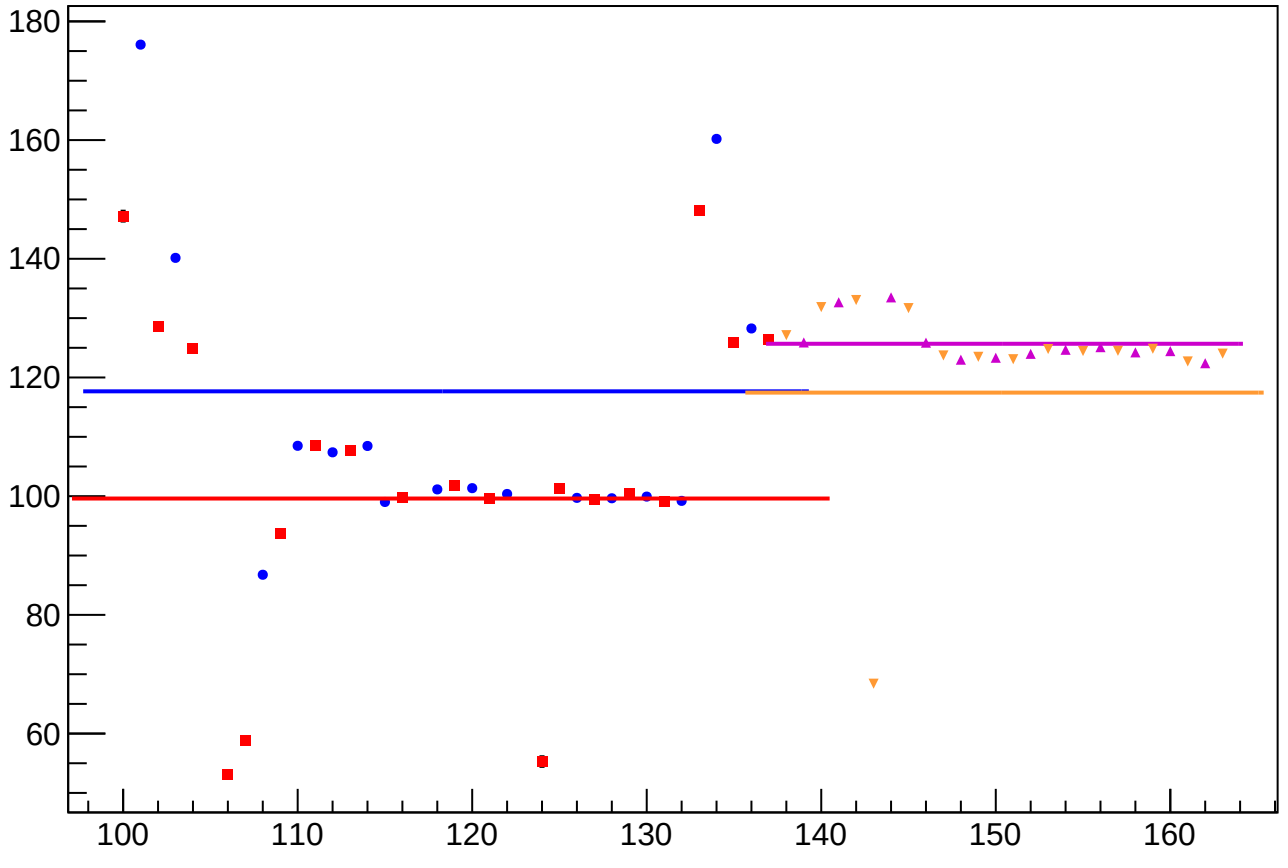
Left: -67.749+/-0.719 χ^2/NDF: 641.5/25

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -74.995+/-0.825 χ^2/NDF:609.6/27

Out: -69.100+/-0.760 χ^2/NDF:1041.7/32

All: -71.804+/-0.559 χ^2/NDF: 1679.0/60



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.679+/-0.050 χ^2/NDF:4534.8/11

Left: 121.263+/-0.034 χ^2/NDF: 214316.0/25

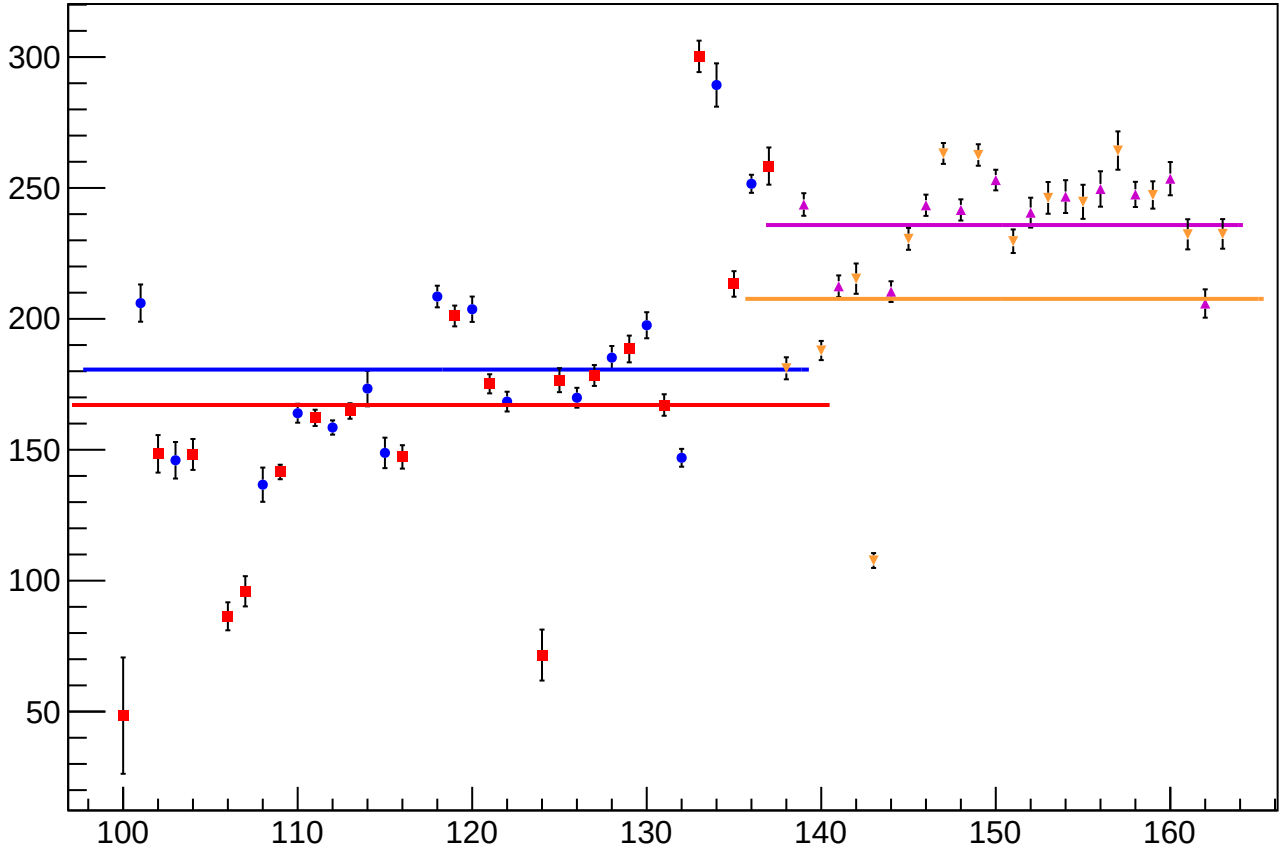
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.332+/-0.042 χ^2/NDF:107346.6/27

Out: 111.972+/-0.039 χ^2/NDF:406350.4/32

All: 117.178+/-0.029 χ^2/NDF: 552674.2/60

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: 207.638+/-1.212 χ^2/NDF:1962.8/13

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 235.837+/-1.357 χ^2/NDF:153.3/11

Left: 220.143+/-0.904 χ^2/NDF: 2356.3/25

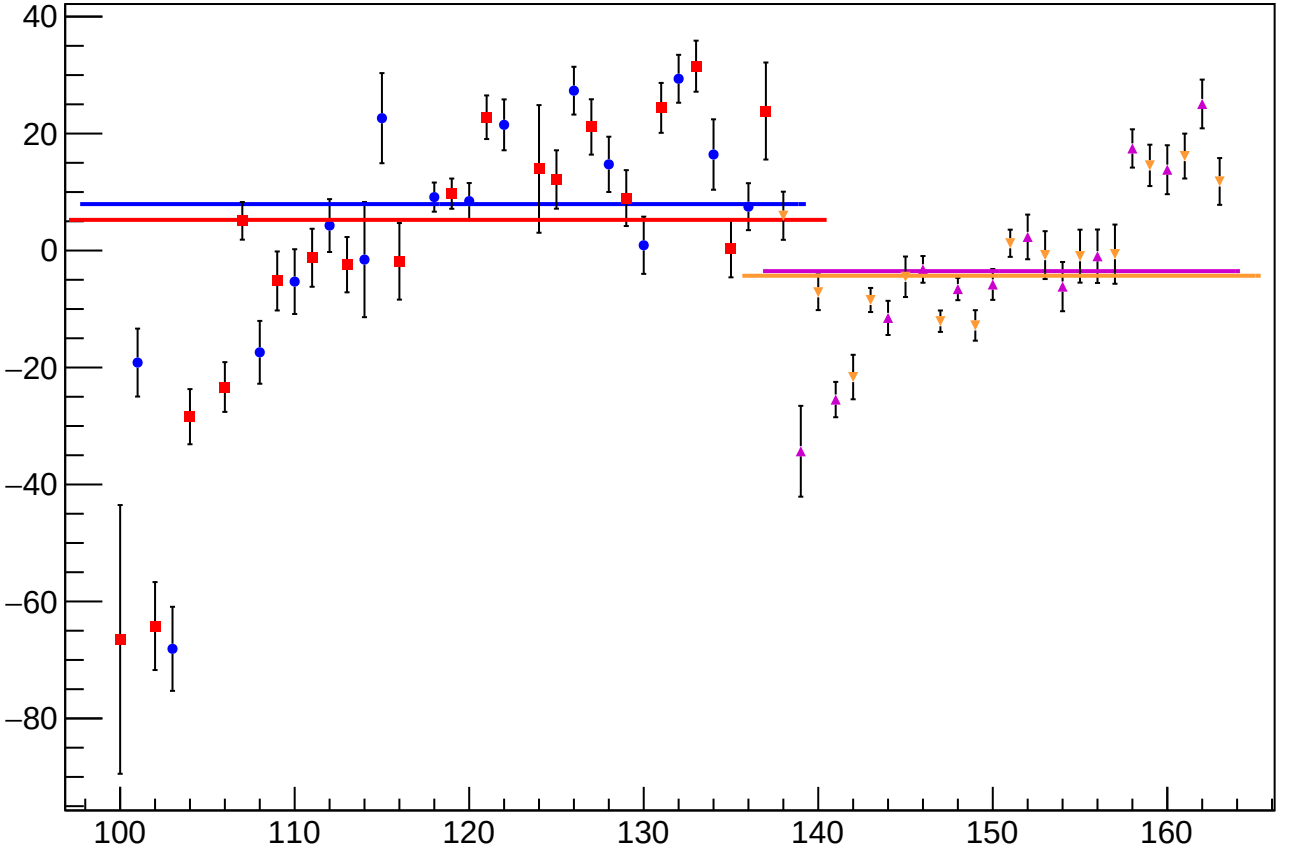
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.267+/-0.850 χ^2/NDF:2152.5/27

Out: 183.929+/-0.781 χ^2/NDF:4101.9/32

All: 192.323+/-0.575 χ^2/NDF: 6507.0/60

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -4.310+/-0.805 χ^2/NDF:141.2/13

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -3.520+/-0.899 χ^2/NDF:187.7/11

Left: -3.959+/-0.600 χ^2/NDF: 329.3/25

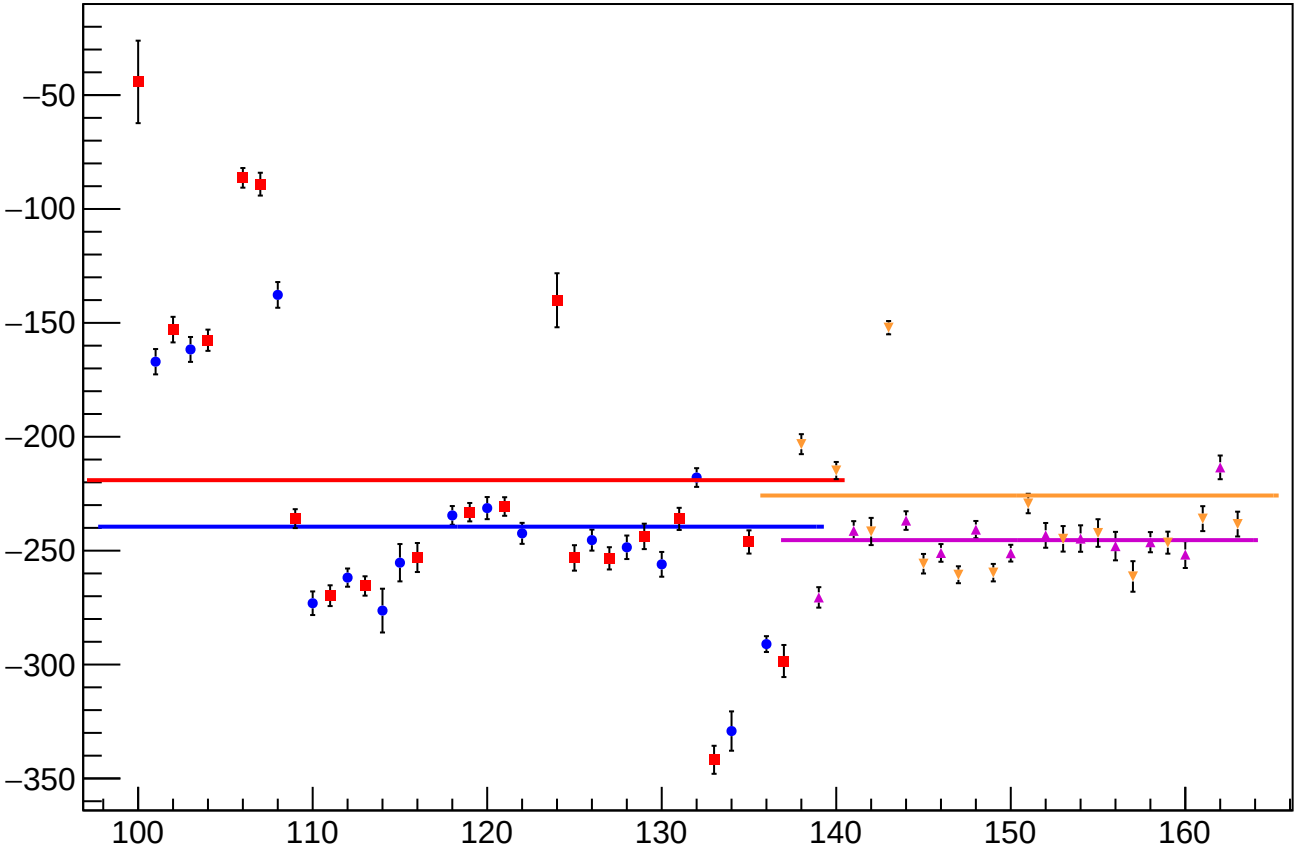
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.008+/-0.700 χ^2/NDF:484.8/27

Out: -0.824+/-0.642 χ^2/NDF:495.5/32

All: 0.013+/-0.473 χ^2/NDF: 984.0/60

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.790+/-1.188 χ^2/NDF:966.3/13

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -245.374+/-1.312 χ^2/NDF:81.9/11

Left: -234.617+/-0.881 χ^2/NDF: 1170.7/25

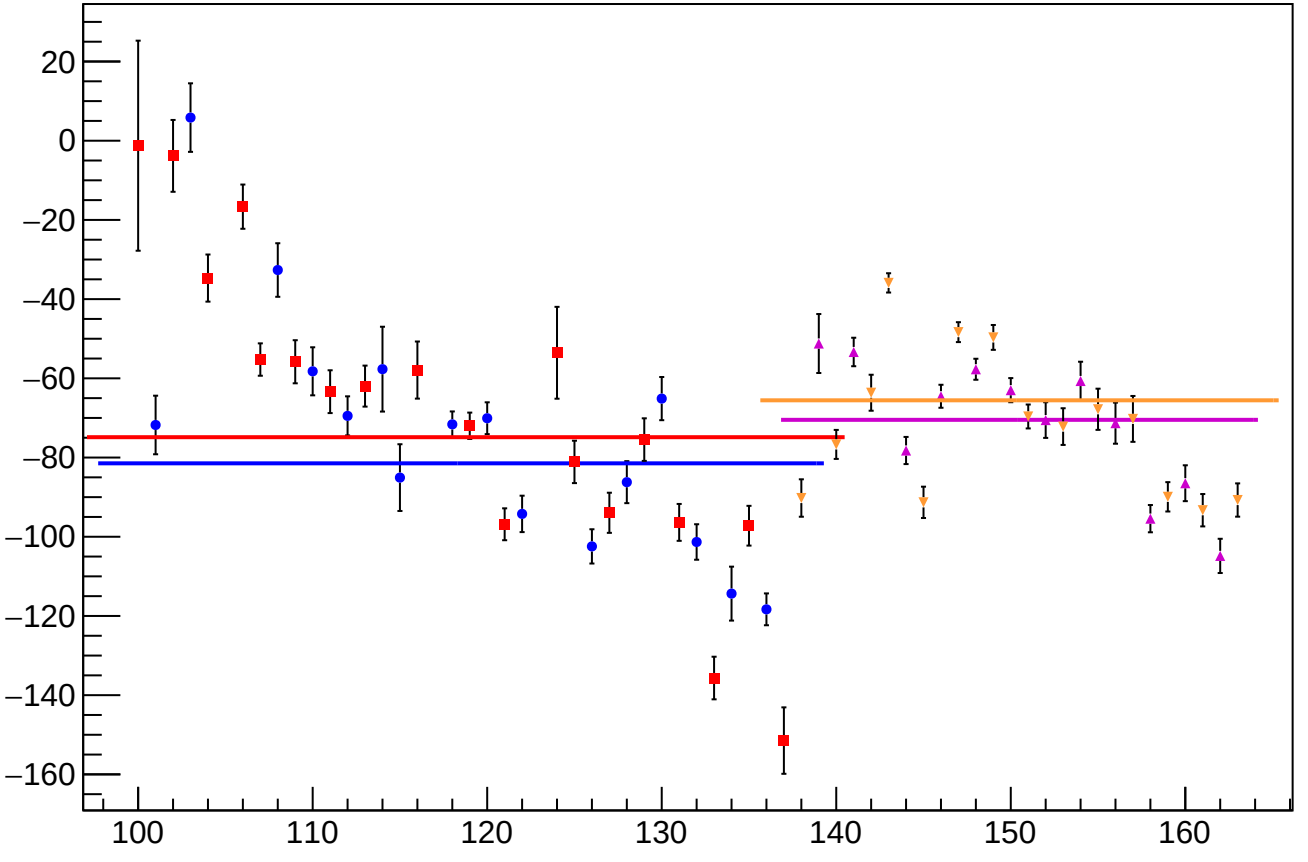
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.268+/-0.903 χ^2/NDF:1254.8/27

Out: -222.387+/-0.836 χ^2/NDF:4031.9/32

All: -231.560+/-0.614 χ^2/NDF: 5547.6/60

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -65.549+/-0.966 χ^2/NDF:429.6/13

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -70.478+/-1.075 χ^2/NDF:200.3/11

Left: -67.749+/-0.719 χ^2/NDF: 641.5/25

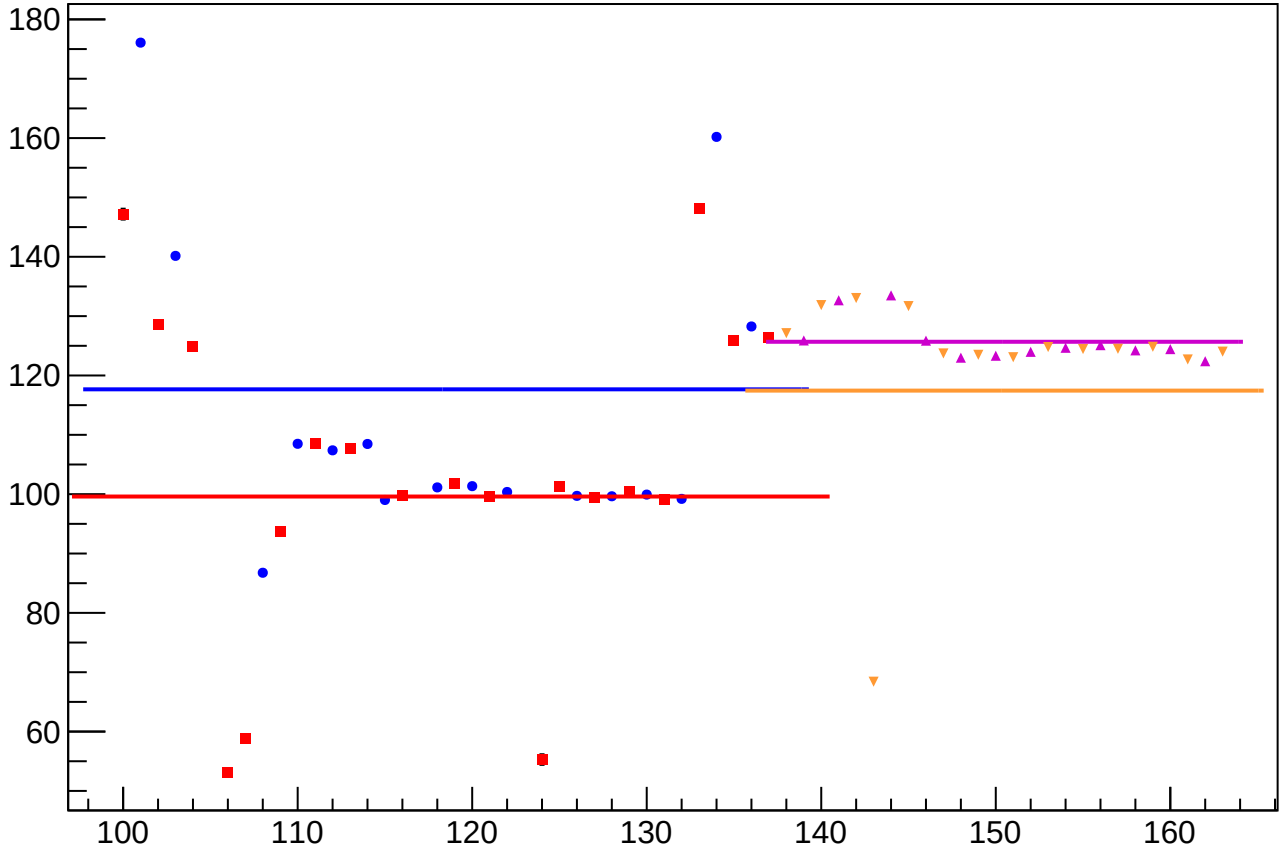
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -74.995+/-0.825 χ^2/NDF:609.6/27

Out: -69.100+/-0.760 χ^2/NDF:1041.7/32

All: -71.804+/-0.559 χ^2/NDF: 1679.0/60

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: 117.451+/-0.047 χ^2/NDF:195456.5/13

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 125.679+/-0.050 χ^2/NDF:4534.8/11

Left: 121.263+/-0.034 χ^2/NDF: 214316.0/25

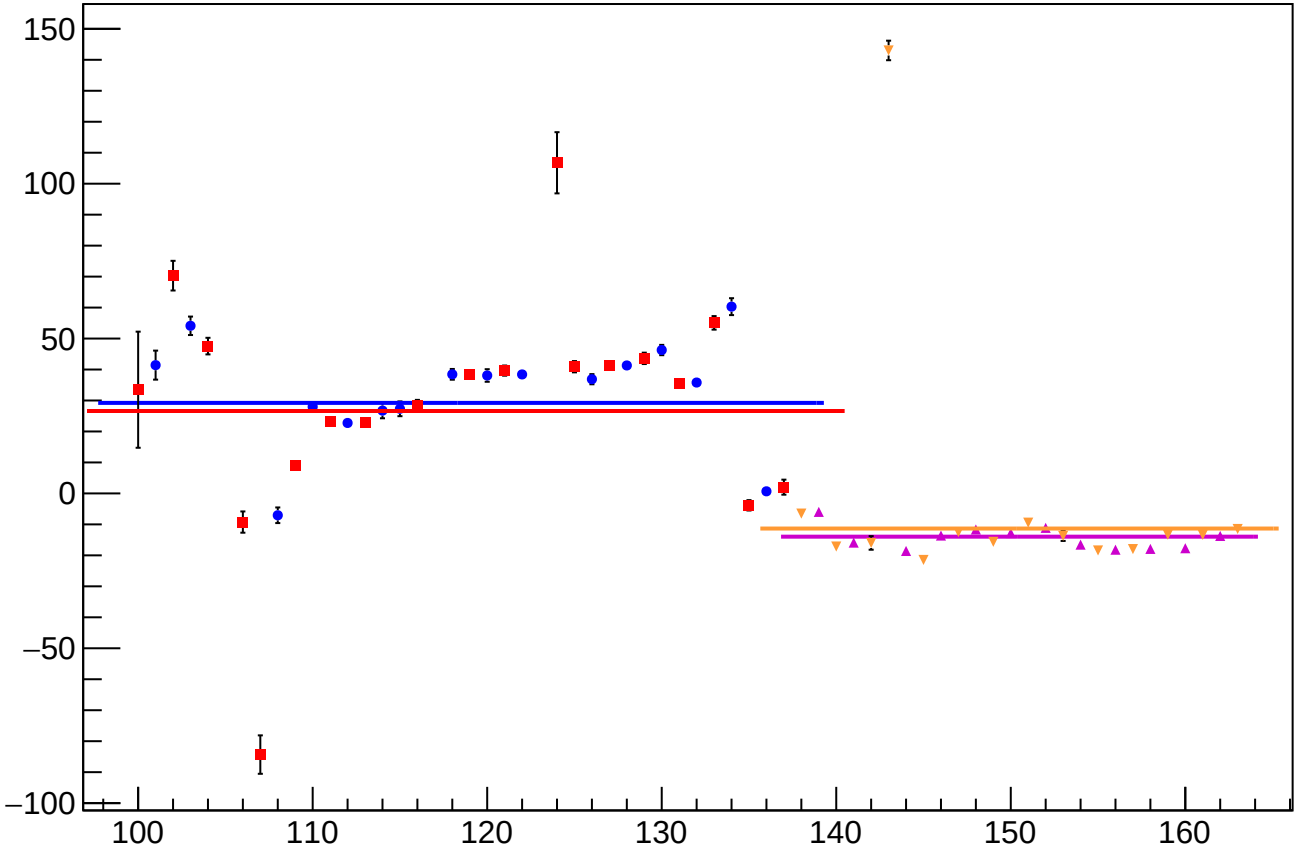
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.332+/-0.042 χ^2/NDF:107346.6/27

Out: 111.972+/-0.039 χ^2/NDF:406350.4/32

All: 117.178+/-0.029 χ^2/NDF: 552674.2/60

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: -11.340+/-0.409 χ^2/NDF:2529.7/13

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -13.966+/-0.417 χ^2/NDF:82.4/11

Left: -12.626+/-0.292 χ^2/NDF: 2632.3/25

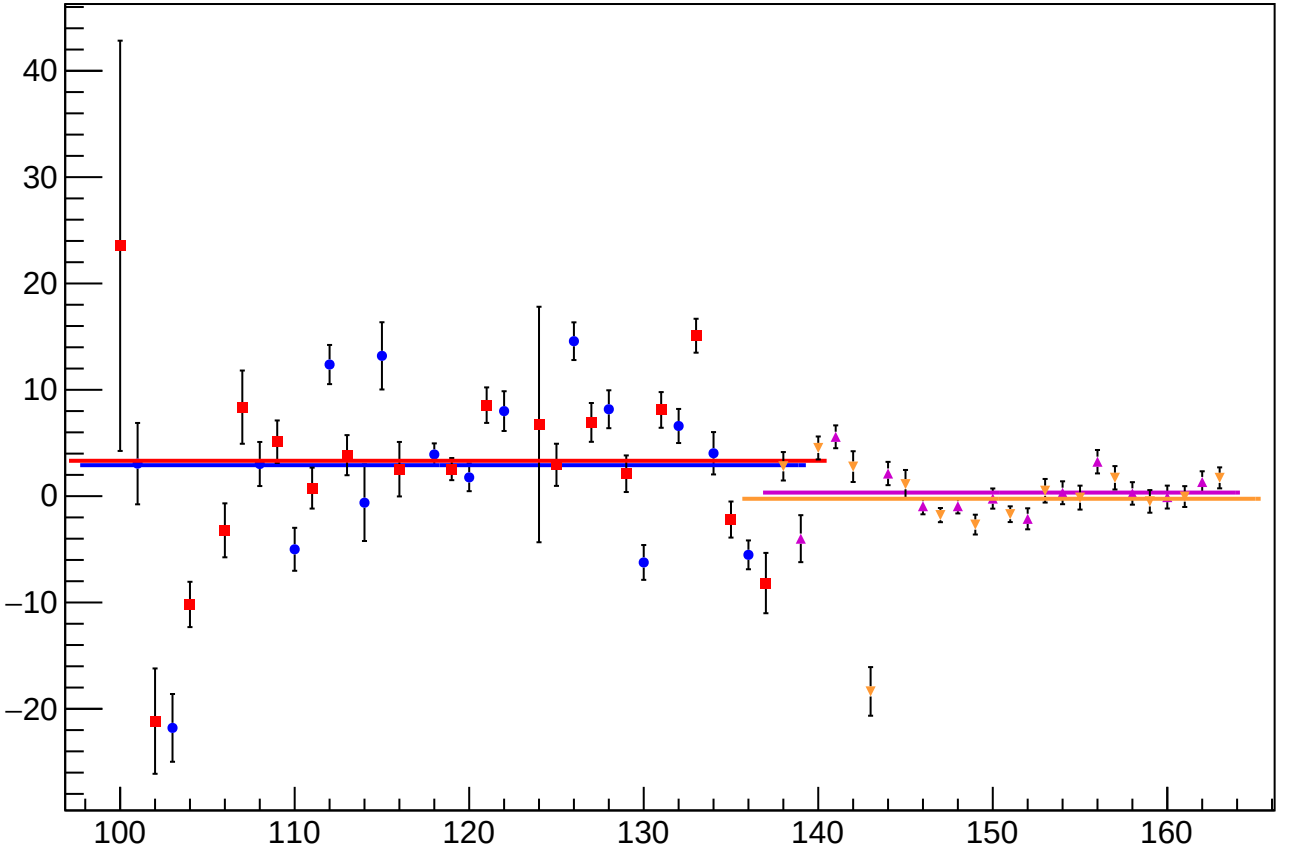
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 7.268+/-0.297 χ^2/NDF:6695.1/27

Out: 7.385+/-0.291 χ^2/NDF:8705.0/32

All: 7.328+/-0.208 χ^2/NDF: 15400.1/60

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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Left Out: -0.246+/-0.275 χ^2/NDF:116.7/13

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

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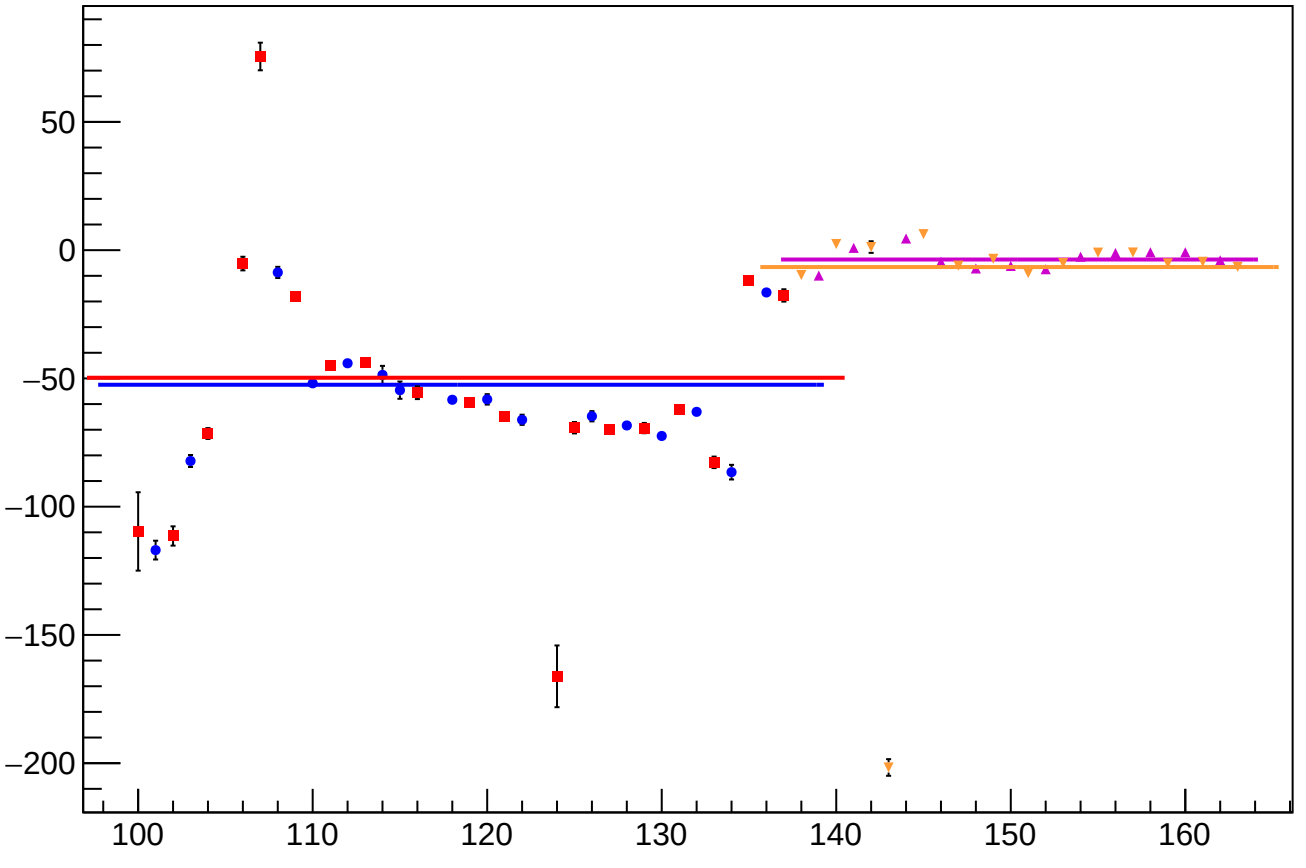
Left: 0.034+/-0.198 χ^2/NDF: 170.2/25

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.091+/-0.239 χ^2/NDF:325.3/27

Out: 0.712+/-0.235 χ^2/NDF:343.8/32

All: 0.898+/-0.168 χ^2/NDF: 670.4/60



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Left Out: -6.581+/-0.395 χ^2/NDF:3787.7/13

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -3.642+/-0.402 χ^2/NDF:91.1/11

Left: -5.138+/-0.282 χ^2/NDF: 3906.0/25

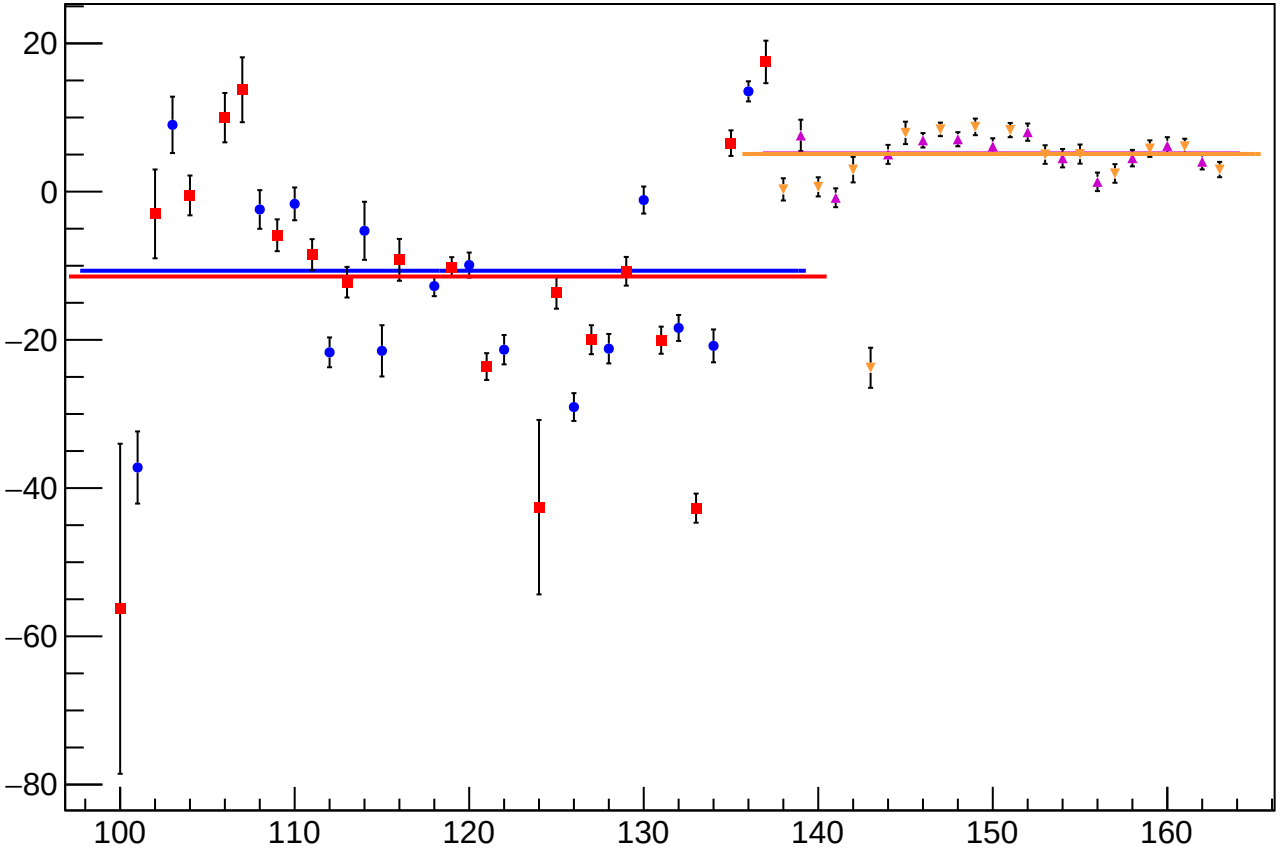
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -23.386+/-0.310 χ^2/NDF:8388.9/27

Out: -23.405+/-0.308 χ^2/NDF:11452.4/32

All: -23.395+/-0.219 χ^2/NDF: 19841.2/60

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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Left Out: 5.083+/-0.323 χ^2/NDF:185.7/13

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.157+/-0.334 χ^2/NDF:49.5/11

Left: 5.118+/-0.232 χ^2/NDF: 235.2/25

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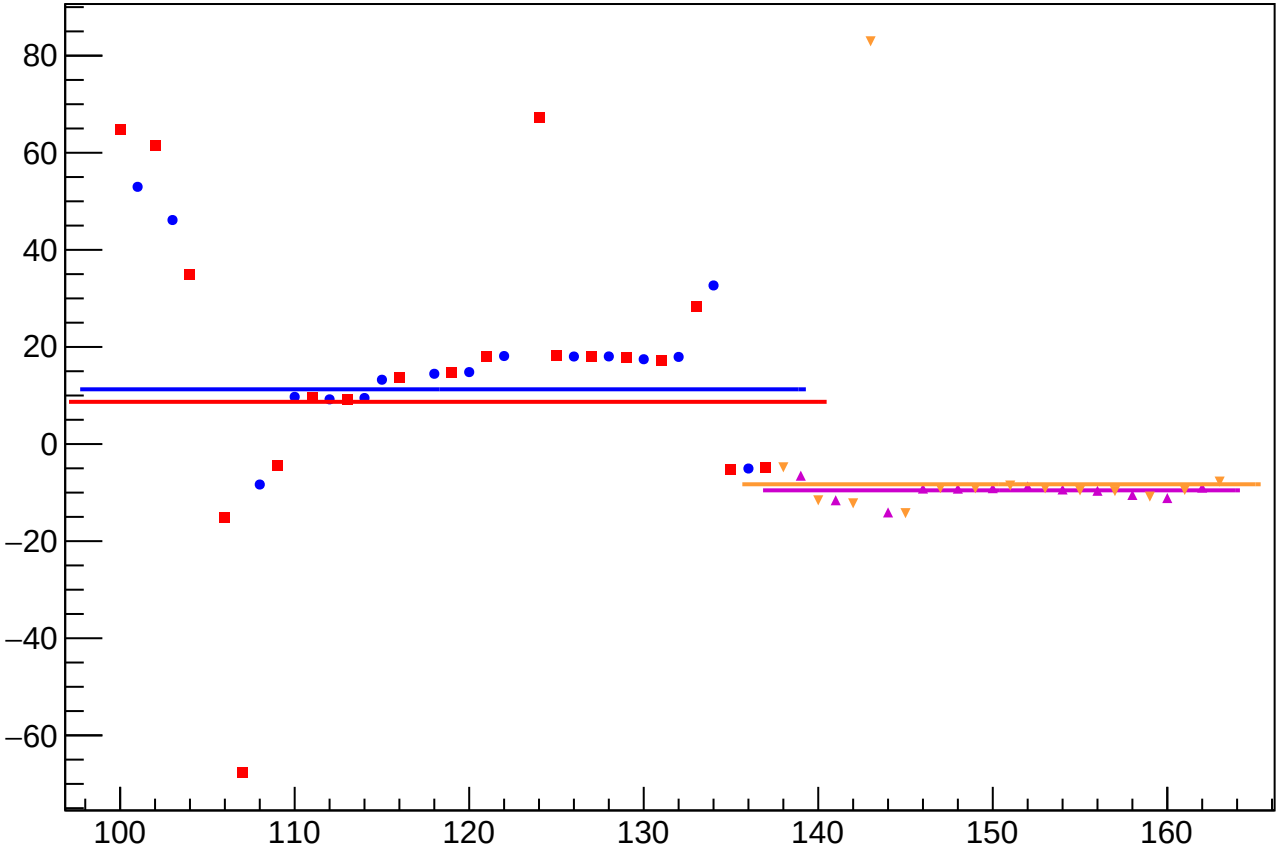
In: 0.336+/-0.279 χ^2/NDF:1398.2/27

Out: 0.421+/-0.274 χ^2/NDF:1588.3/32

All: 0.379+/-0.195 χ^2/NDF: 2986.6/60

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -8.284+/-0.015 χ^2/NDF:480269.8/13

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.533+/-0.015 χ^2/NDF:11777.9/11

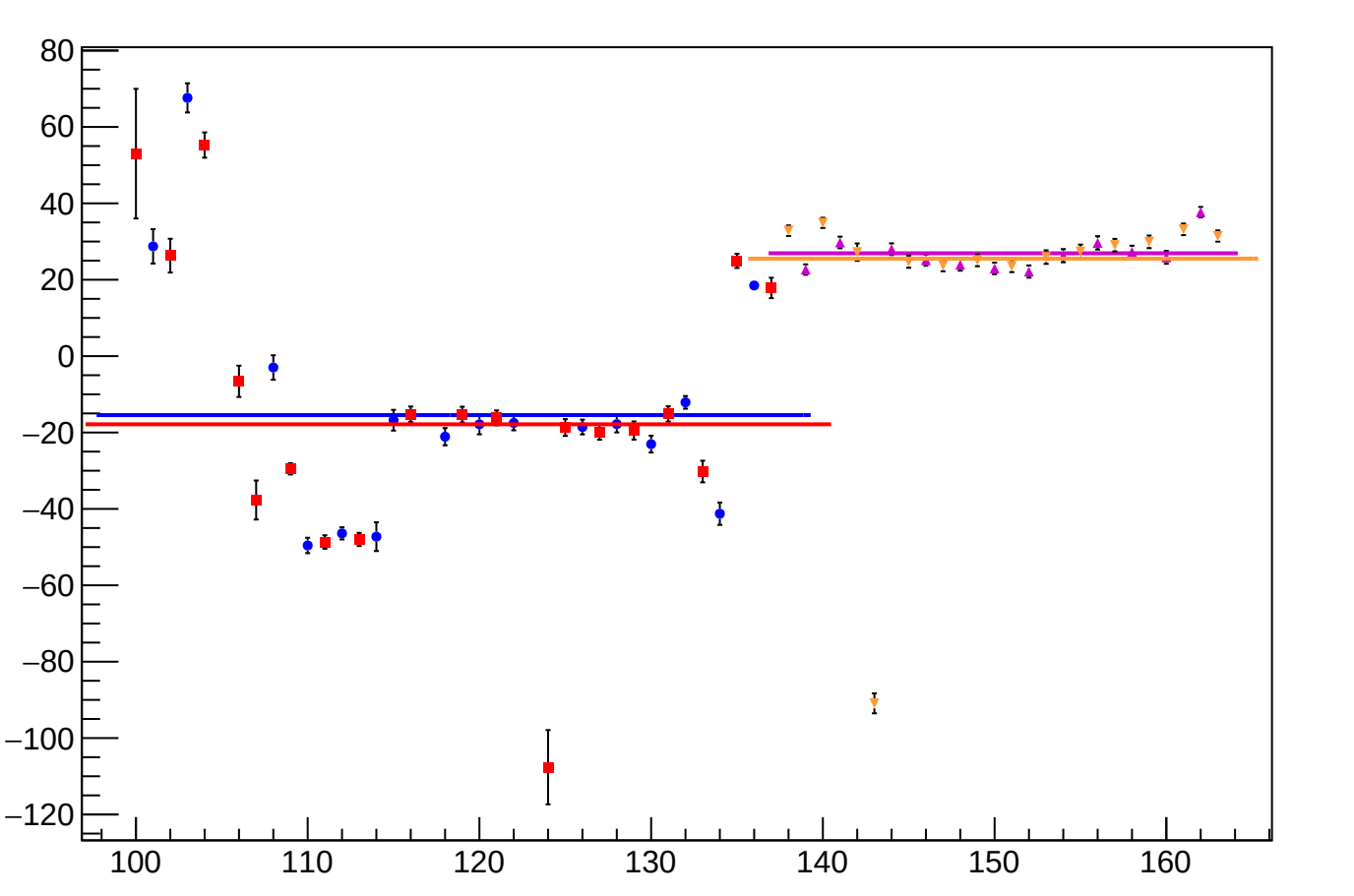
Left: -8.902+/-0.011 χ^2/NDF: 495544.4/25

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.347+/-0.013 χ^2/NDF:747498.8/27

Out: -5.181+/-0.013 χ^2/NDF:1155155.1/32

All: -5.264+/-0.009 χ^2/NDF: 1902729.8/60



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.523+/-0.436 χ^2/NDF:2121.2/13

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.926+/-0.446 χ^2/NDF:100.2/11

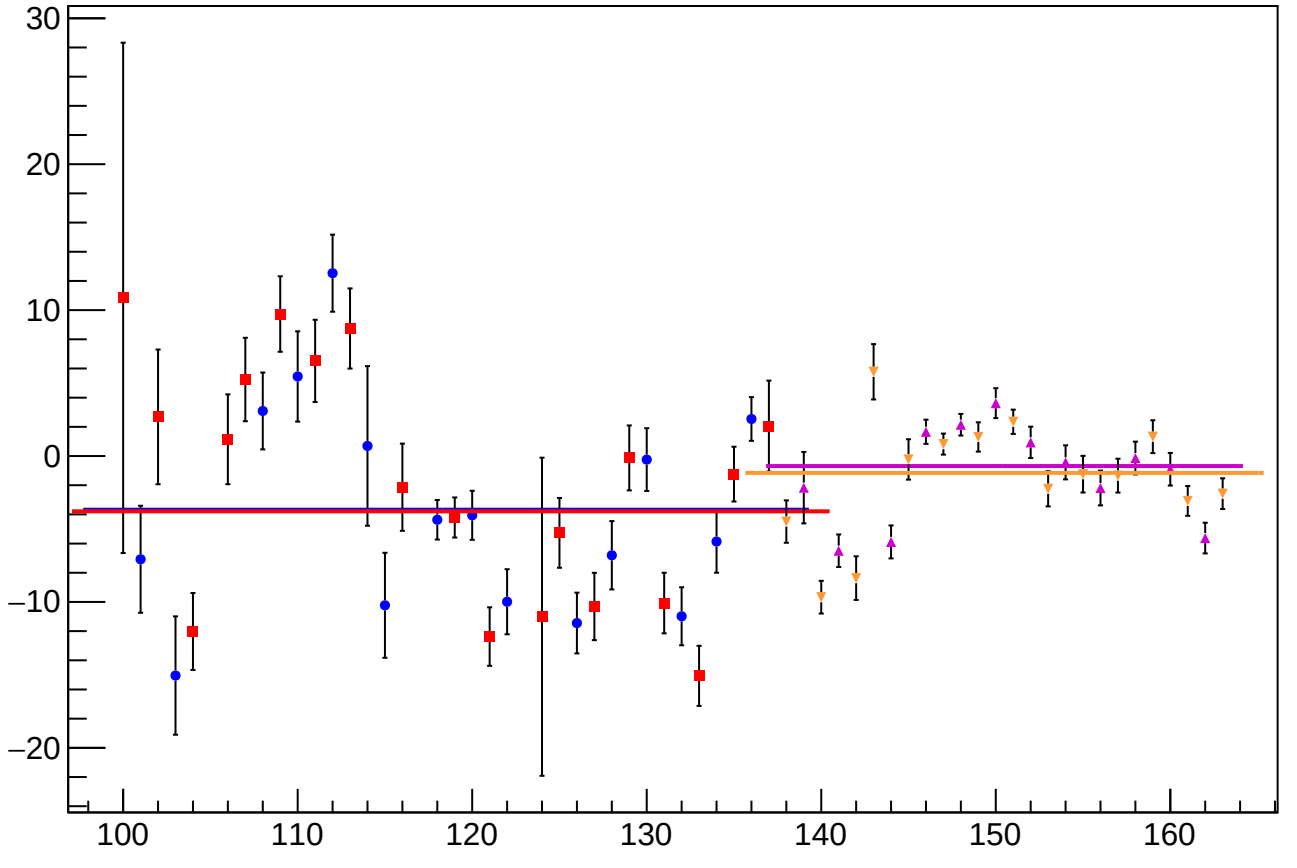
Left: 26.207+/-0.312 χ^2/NDF: 2226.5/25

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

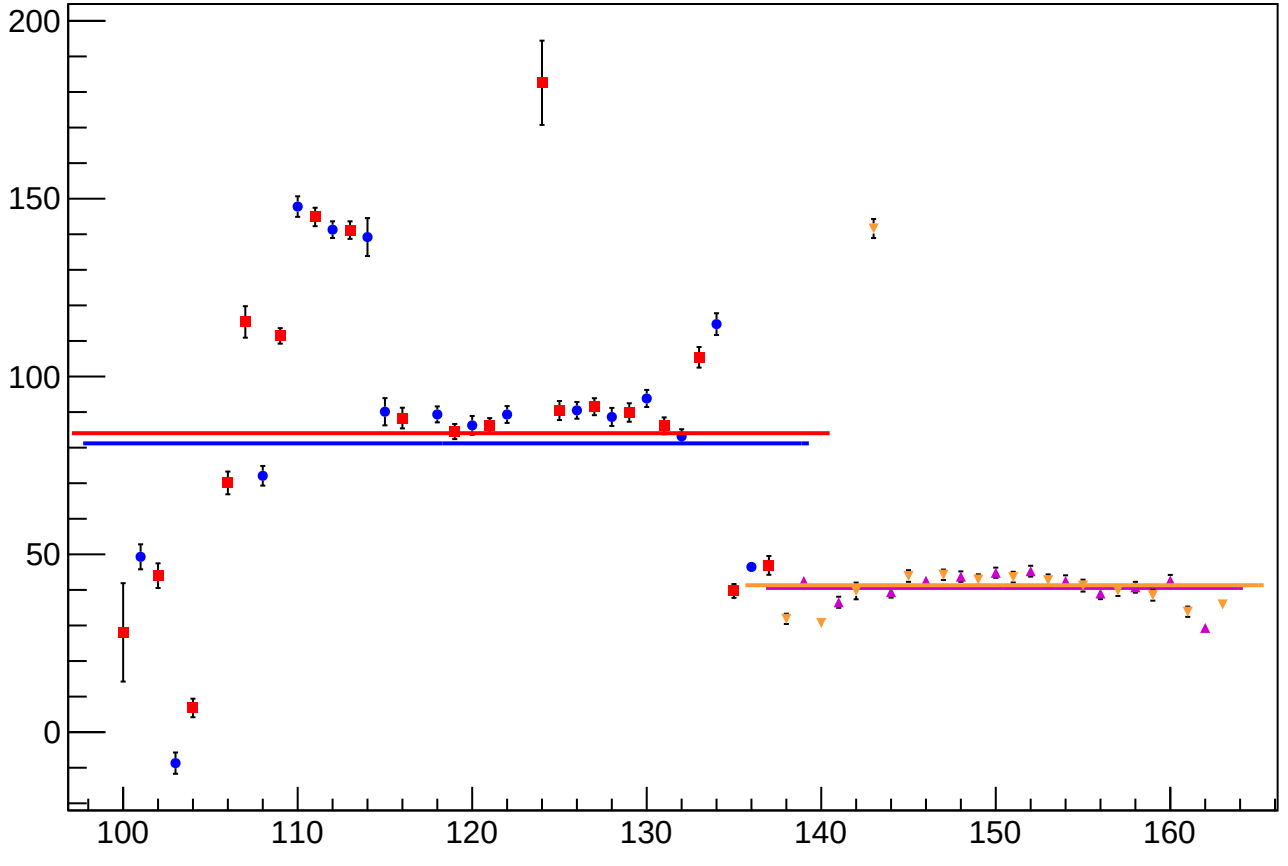
In: 9.694+/-0.344 χ^2/NDF:5888.6/27

Out: 8.023+/-0.336 χ^2/NDF:8246.5/32

All: 8.840+/-0.240 χ^2/NDF: 14147.2/60


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.155+/-0.294 χ²/NDF:142.3/13
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -0.687+/-0.305 χ²/NDF:115.2/11
Left: -0.929+/-0.211 χ²/NDF: 258.7/25
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.385+/-0.267 χ²/NDF:261.7/27
Out: -1.718+/-0.261 χ²/NDF:320.7/32
All: -1.555+/-0.186 χ²/NDF: 583.2/60

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.314+/-0.421 χ^2/NDF:1552.1/13

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.563+/-0.430 χ^2/NDF:112.1/11

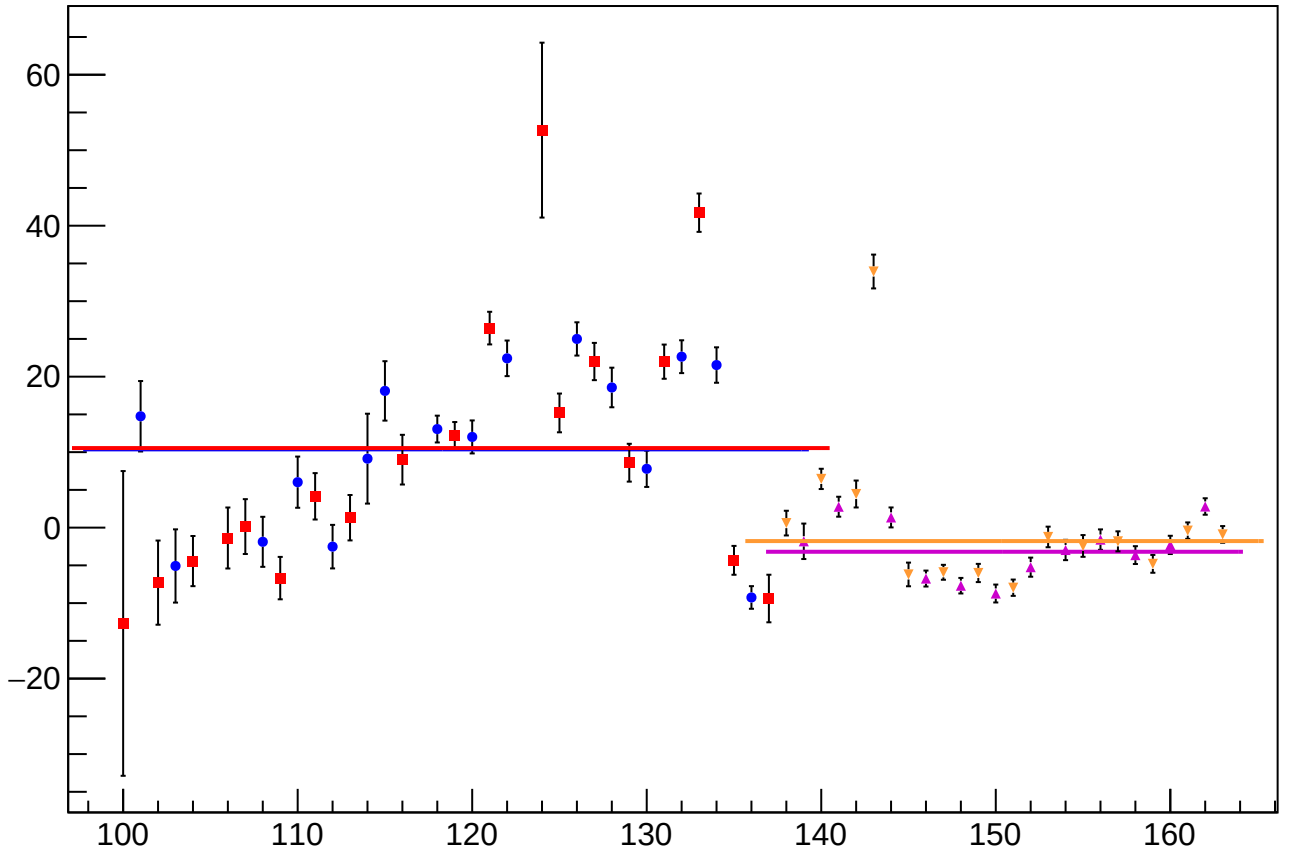
Left: 40.946+/-0.301 χ^2/NDF: 1665.8/25

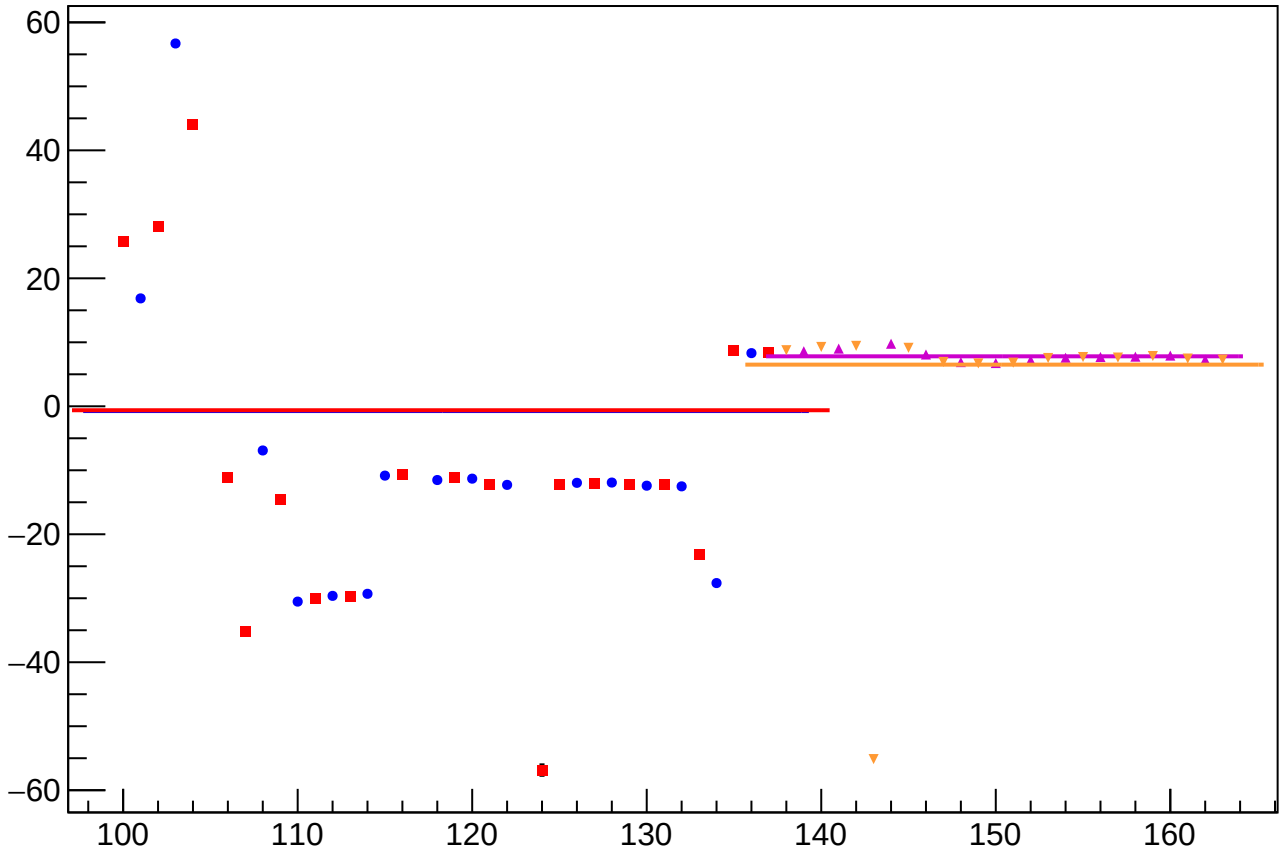
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 54.146+/-0.351 χ^2/NDF:6326.5/27

Out: 54.936+/-0.348 χ^2/NDF:8037.5/32

All: 54.544+/-0.247 χ^2/NDF: 14366.5/60


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.782+/-0.345 χ²/NDF:385.5/13
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -3.197+/-0.357 χ²/NDF:119.6/11
Left: -2.466+/-0.248 χ²/NDF: 513.2/25
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.129+/-0.310 χ²/NDF:833.2/27
Out: 0.995+/-0.304 χ²/NDF:1143.1/32
All: 0.571+/-0.217 χ²/NDF: 1980.3/60



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.509+/-0.016 χ^2/NDF:313106.0/13

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.809+/-0.016 χ^2/NDF:2241.6/11

Left: 7.151+/-0.011 χ^2/NDF: 318653.2/25

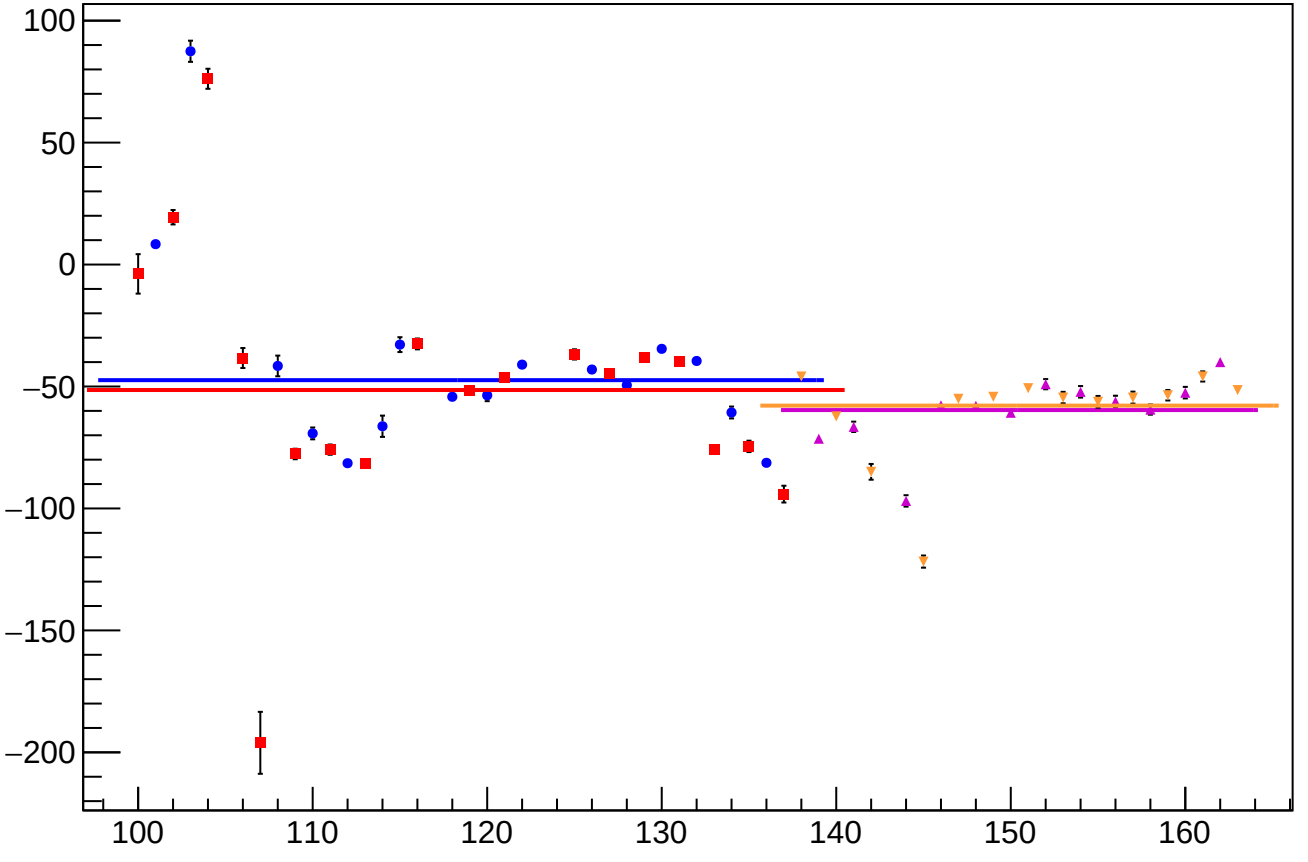
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.377+/-0.015 χ^2/NDF:417561.4/27

Out: 5.417+/-0.015 χ^2/NDF:660463.1/32

All: 5.895+/-0.010 χ^2/NDF: 1080173.2/60

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -57.835+/-0.587 χ^2/NDF:849.8/12

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -59.666+/-0.592 χ^2/NDF:462.2/11

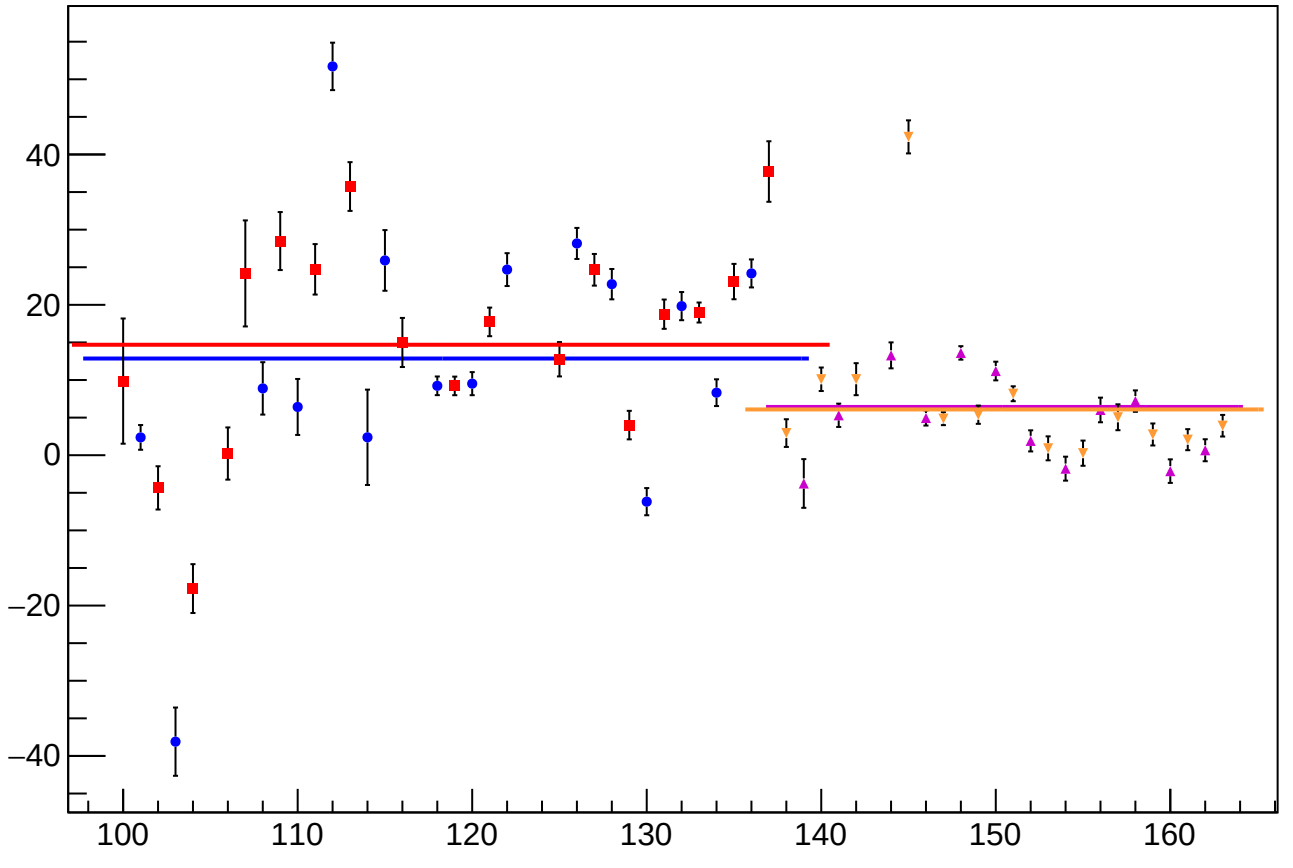
Left: -58.744+/-0.417 χ^2/NDF: 1316.9/24

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -52.918+/-0.397 χ^2/NDF:3467.8/27

Out: -54.402+/-0.400 χ^2/NDF:3786.2/30

All: -53.655+/-0.282 χ^2/NDF: 7260.9/58



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 6.086+/-0.386 χ^2/NDF:330.2/12

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.419+/-0.396 χ^2/NDF:189.8/11

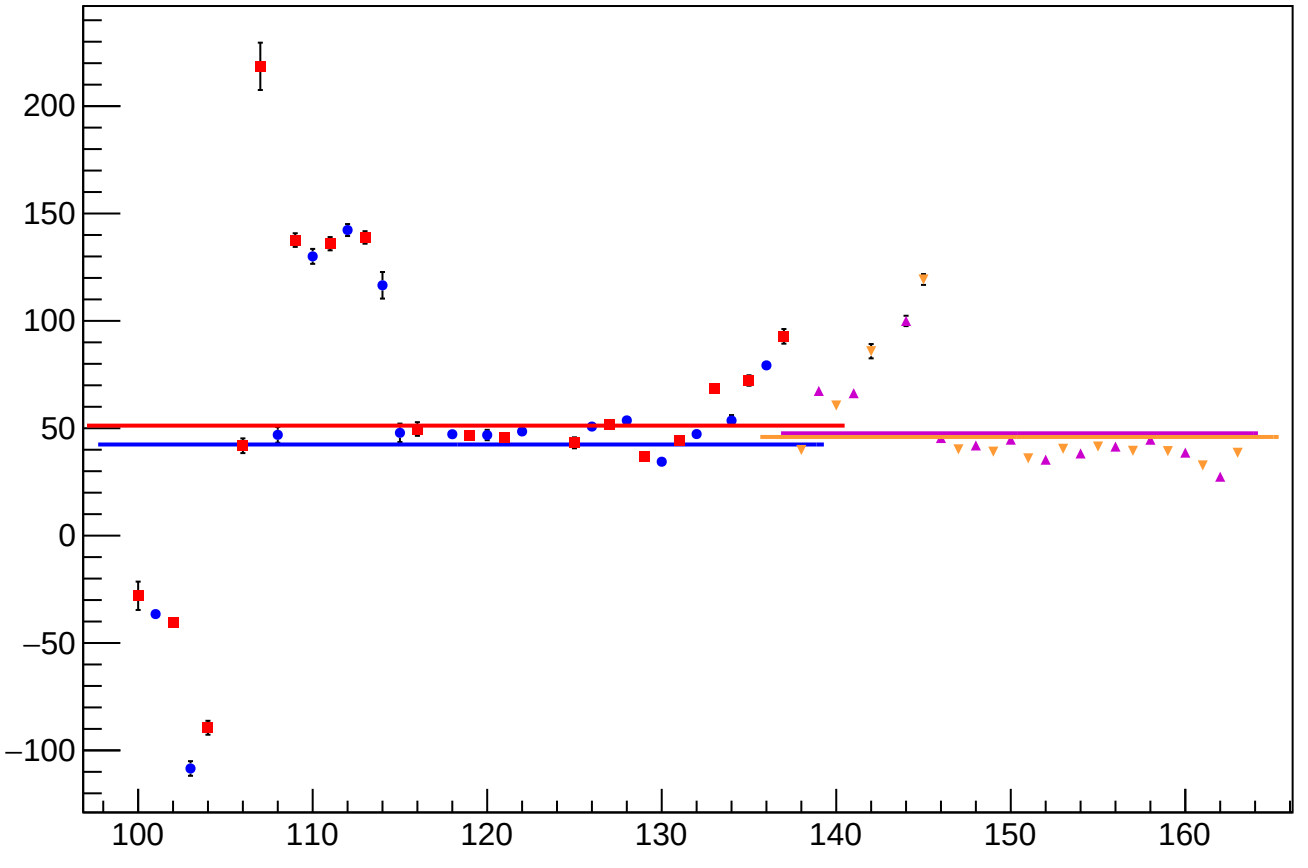
Left: 6.248+/-0.276 χ^2/NDF: 520.4/24

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.792+/-0.315 χ^2/NDF:912.7/27

Out: 8.966+/-0.315 χ^2/NDF:860.6/30

All: 8.879+/-0.223 χ^2/NDF: 1773.4/58



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 45.948+/-0.566 χ^2/NDF:1204.2/12

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 47.647+/-0.569 χ^2/NDF:874.7/11

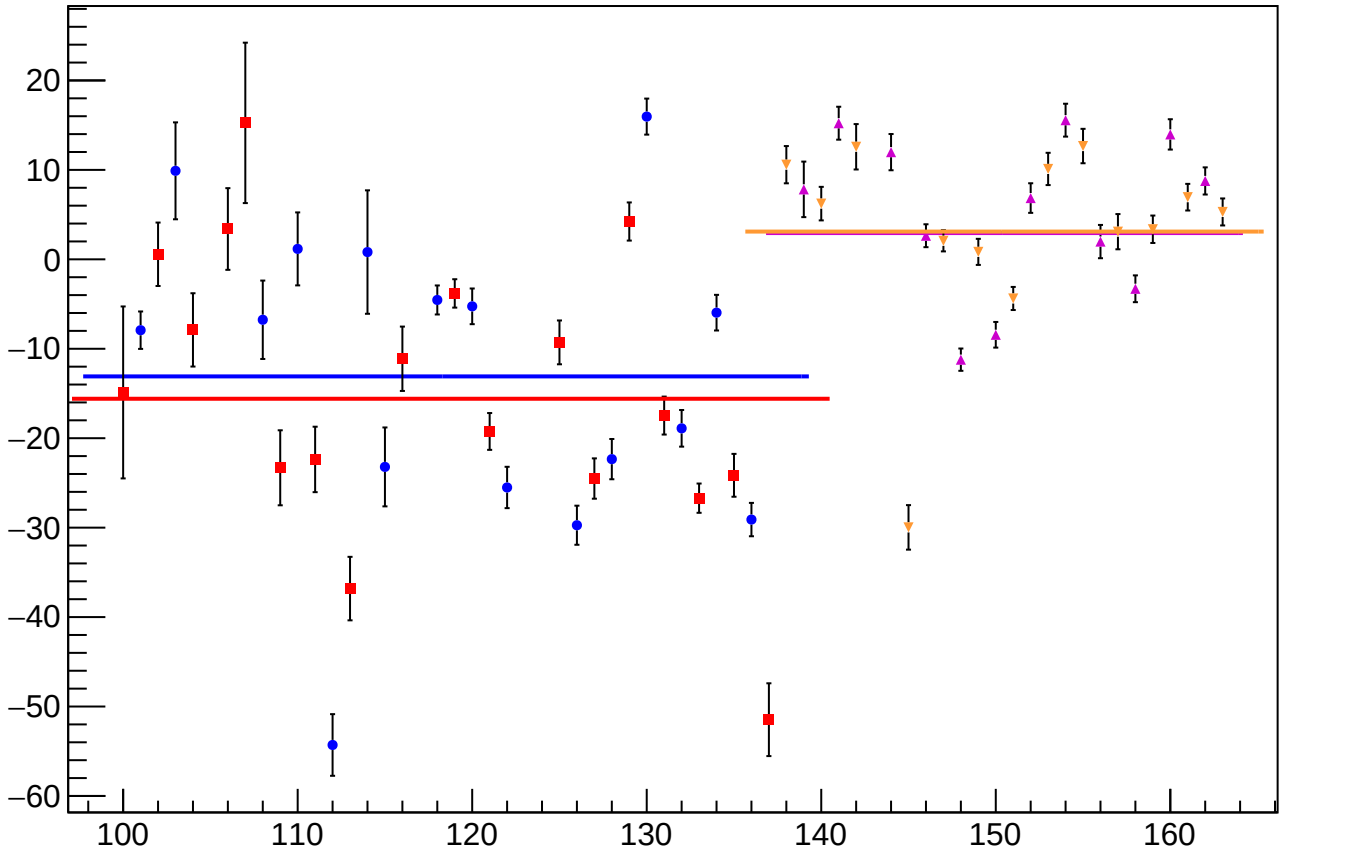
Left: 46.793+/-0.401 χ^2/NDF: 2083.3/24

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 45.113+/-0.407 χ^2/NDF:8084.4/27

Out: 48.367+/-0.416 χ^2/NDF:7855.4/30

All: 46.706+/-0.291 χ^2/NDF: 15971.0/58



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.103+/-0.458 χ^2/NDF:291.4/12

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.937+/-0.468 χ^2/NDF:386.1/11

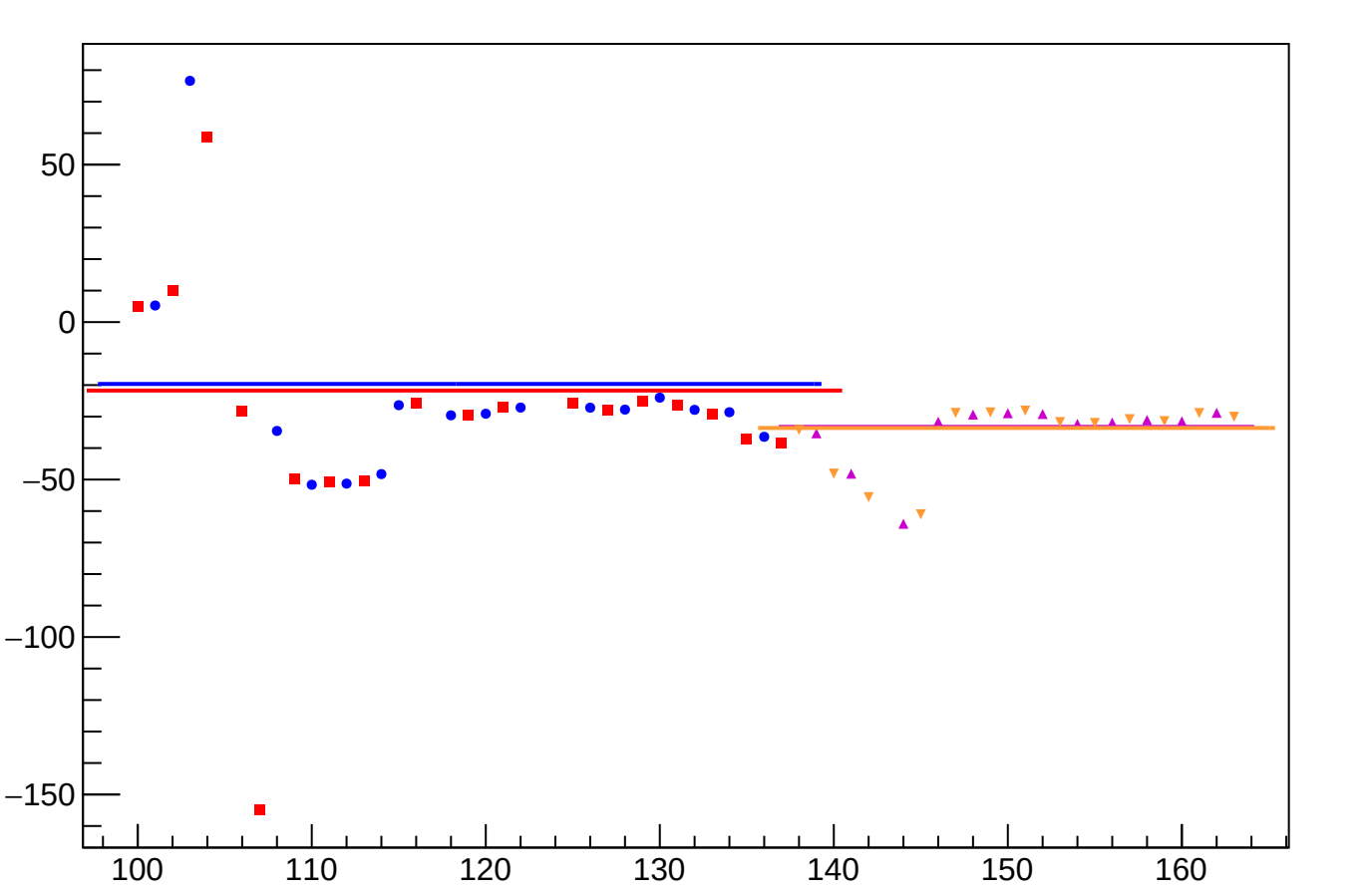
Left: 3.022+/-0.328 χ^2/NDF: 677.6/24

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -3.135+/-0.369 χ^2/NDF:1469.5/27

Out: -3.405+/-0.370 χ^2/NDF:1272.9/30

All: -3.270+/-0.261 χ^2/NDF: 2742.7/58



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -33.619+/-0.021 χ^2/NDF:155620.0/12

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -33.267+/-0.021 χ^2/NDF:126815.7/11

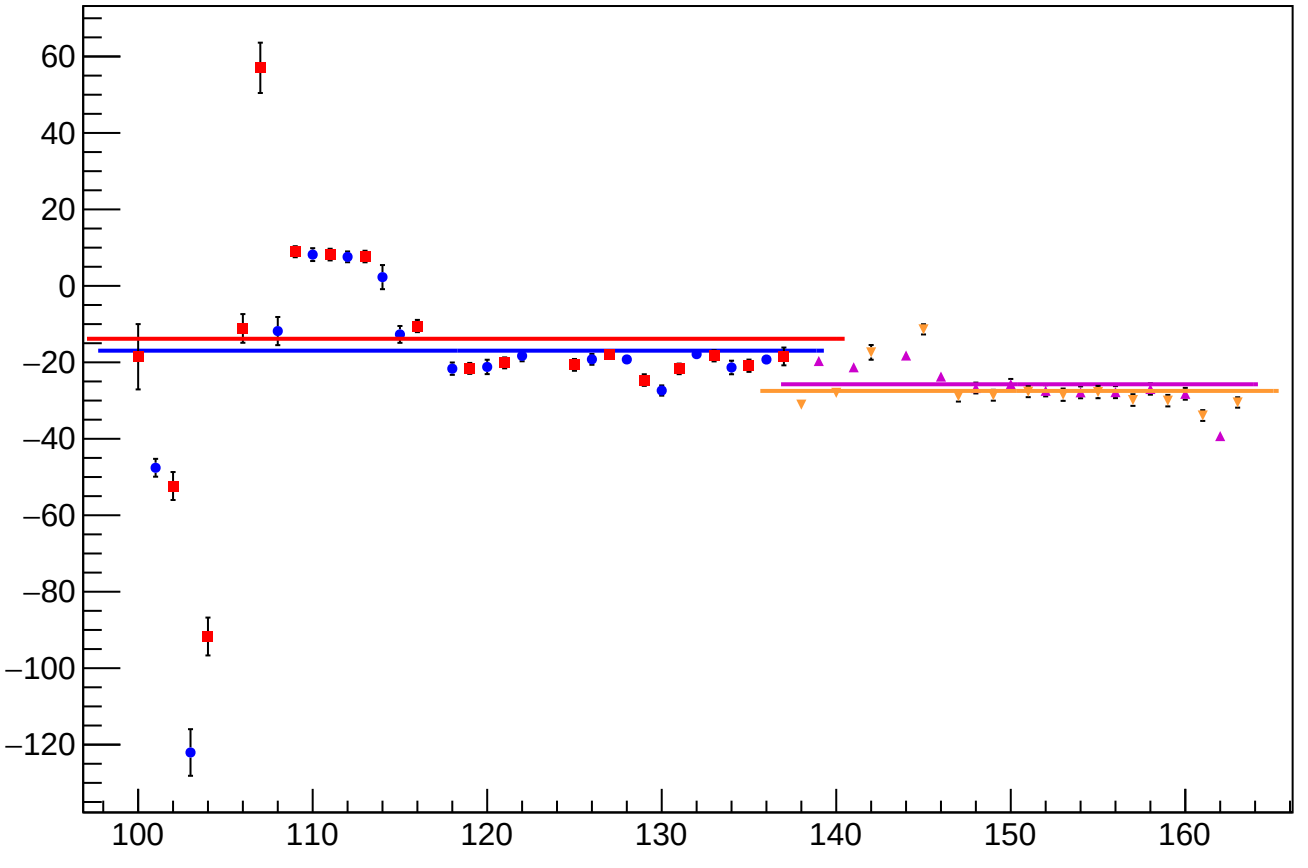
Left: -33.442+/-0.015 χ^2/NDF: 282571.0/24

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.745+/-0.018 χ^2/NDF:879262.7/27

Out: -30.851+/-0.019 χ^2/NDF:773983.2/30

All: -30.286+/-0.013 χ^2/NDF: 1655021.3/58



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -27.475+/-0.394 χ^2/NDF:214.9/12

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -25.738+/-0.397 χ^2/NDF:197.9/11

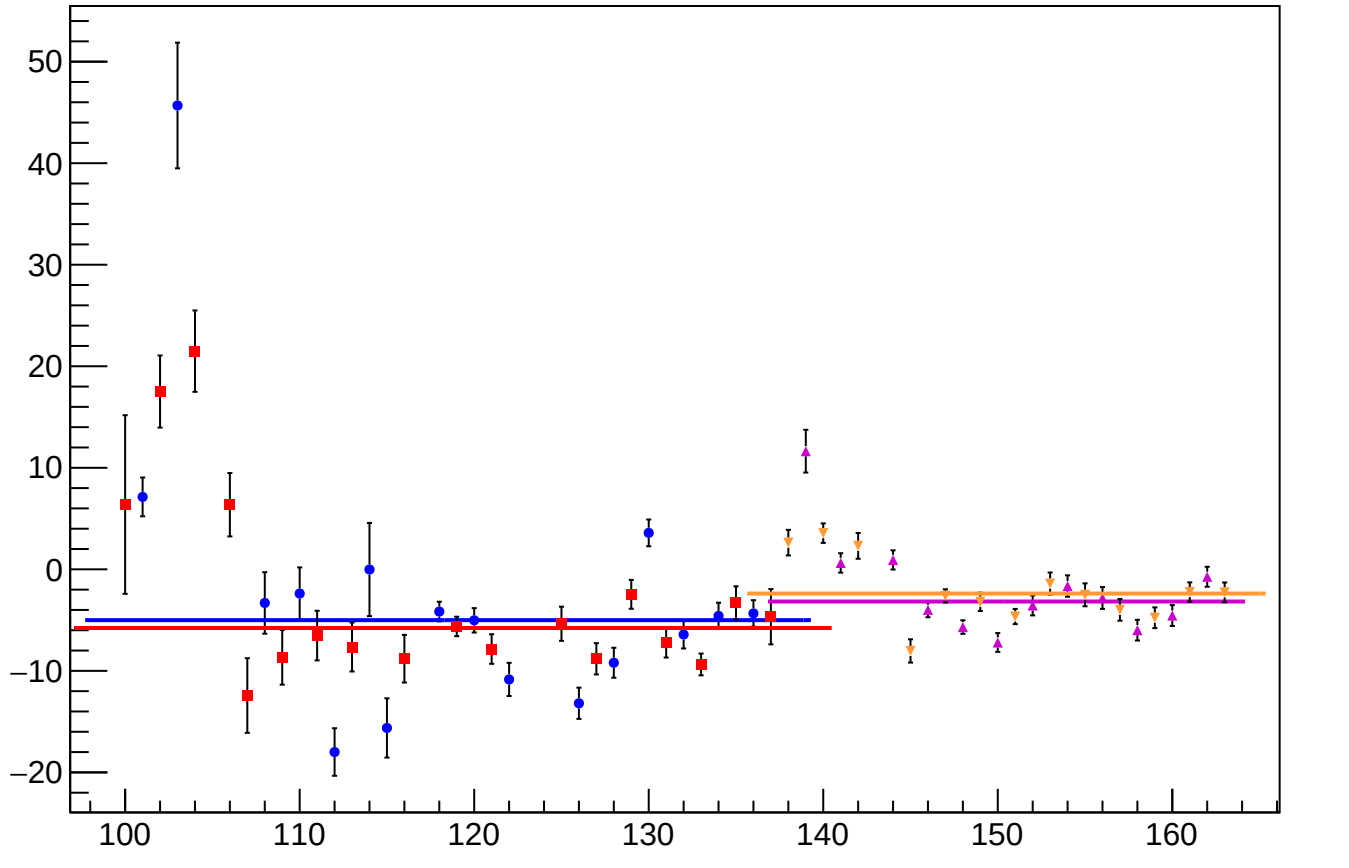
Left: -26.615+/-0.280 χ^2/NDF: 422.5/24

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

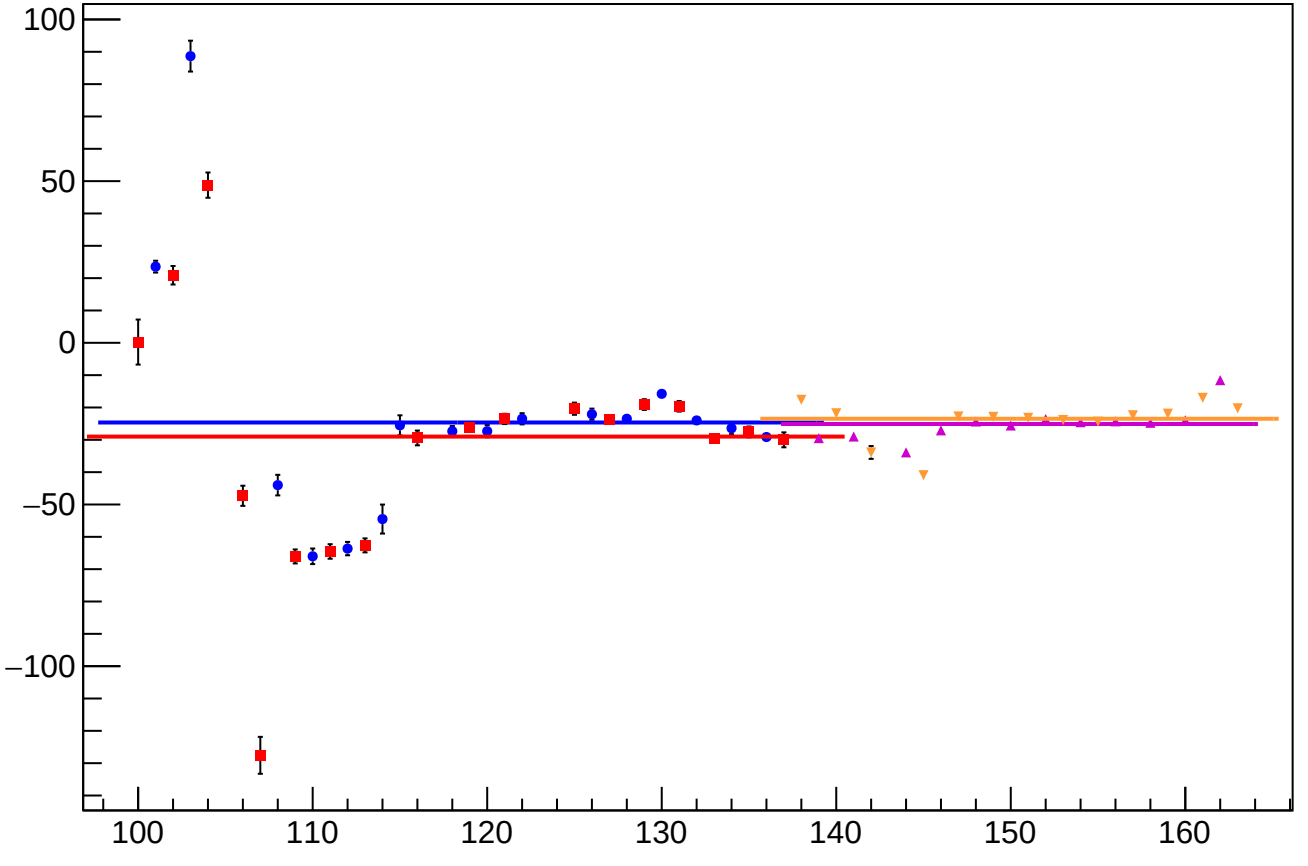
In: -21.416+/-0.283 χ^2/NDF:1566.8/27

Out: -20.921+/-0.284 χ^2/NDF:2125.1/30

All: -21.169+/-0.200 χ^2/NDF: 3693.4/58


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
Right In: -5.006+/-0.401 χ2/NDF: 247.8/15
Left Out: -2.386+/-0.267 χ2/NDF:110.8/12
Right Out: -5.779+/-0.419 χ2/NDF: 139.3/17
Left In: -3.171+/-0.273 χ2/NDF:136.3/11
Left: -2.769+/-0.191 χ2/NDF: 251.4/24
Right: -5.375+/-0.290 χ2/NDF: 388.9/33
In: -3.750+/-0.225 χ2/NDF:398.3/27
Out: -3.362+/-0.225 χ2/NDF:296.8/30
All: -3.555+/-0.159 χ2/NDF: 696.6/58

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: -23.483+/-0.381 χ^2/NDF:247.6/12

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -25.109+/-0.384 χ^2/NDF:194.0/11

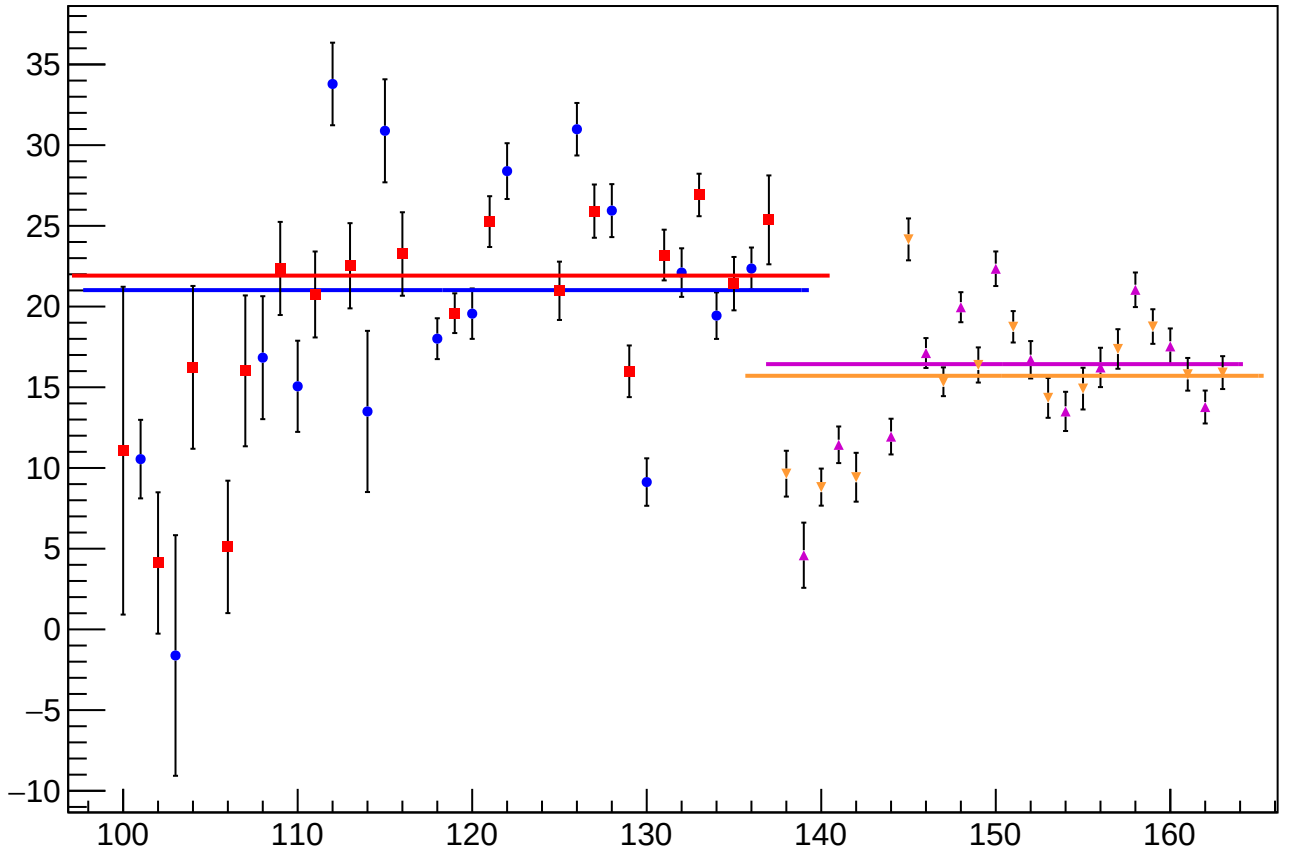
Left: -24.291+/-0.270 χ^2/NDF: 450.7/24

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -24.915+/-0.293 χ^2/NDF:2246.4/27

Out: -25.644+/-0.297 χ^2/NDF:2282.0/30

All: -25.274+/-0.209 χ^2/NDF: 4531.5/58



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.711+/-0.314 χ^2/NDF:135.8/12

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.433+/-0.320 χ^2/NDF:147.7/11

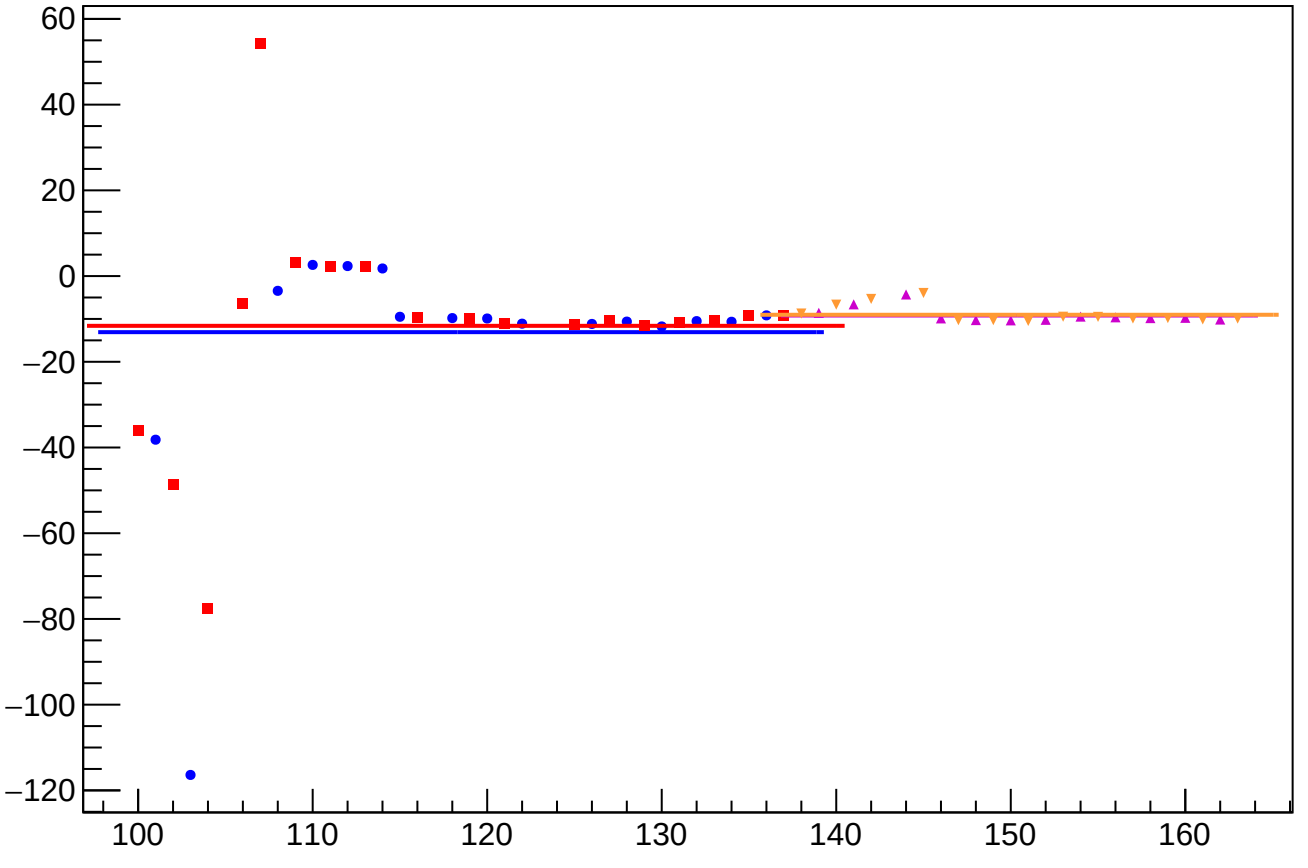
Left: 16.065+/-0.224 χ^2/NDF: 286.1/24

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.936+/-0.262 χ^2/NDF:424.7/27

Out: 17.576+/-0.262 χ^2/NDF:336.1/30

All: 17.756+/-0.185 χ^2/NDF: 761.7/58



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.028+/-0.014 χ^2/NDF:16534.7/12

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.205+/-0.014 χ^2/NDF:11720.0/11

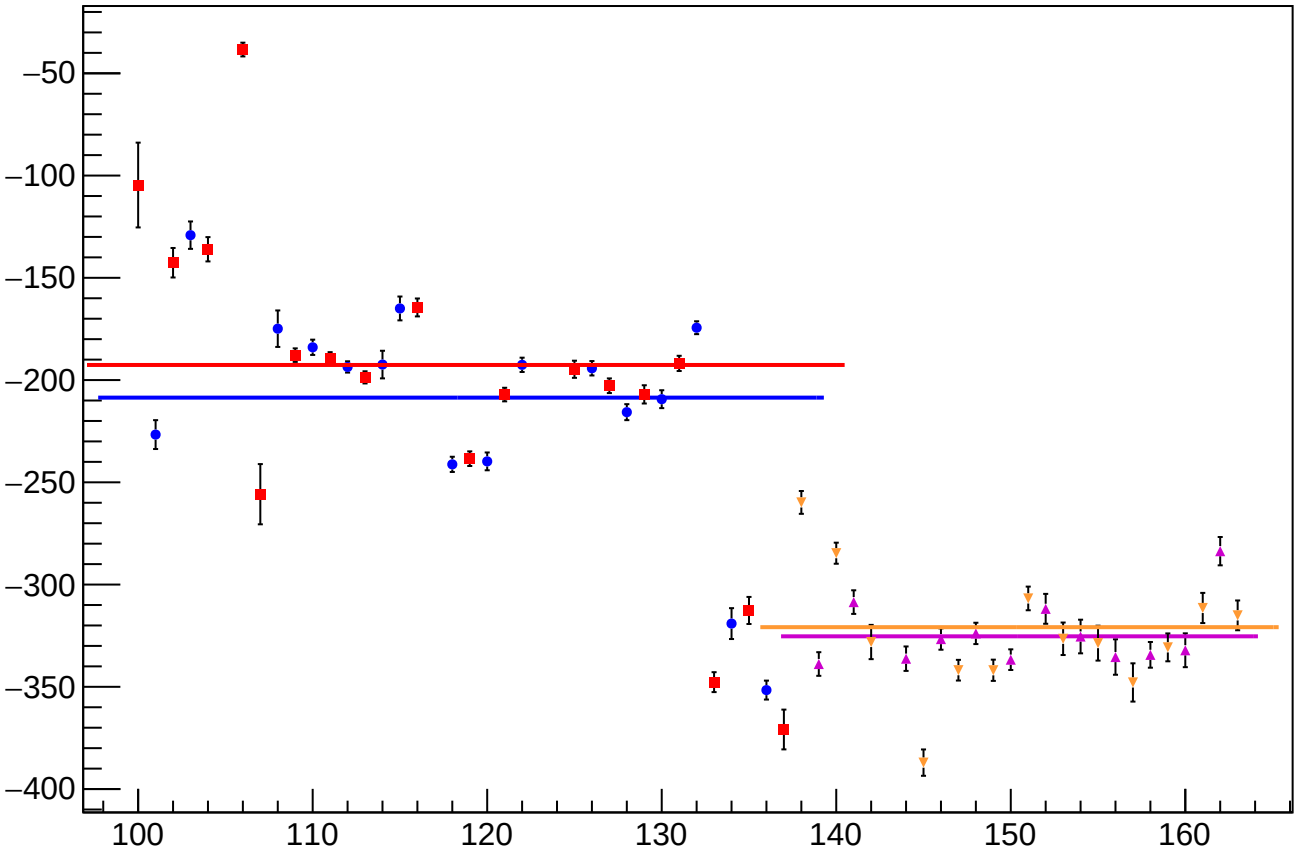
Left: -9.116+/-0.010 χ^2/NDF: 28329.9/24

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -9.998+/-0.013 χ^2/NDF:371511.2/27

Out: -9.488+/-0.013 χ^2/NDF:336458.9/30

All: -9.747+/-0.009 χ^2/NDF: 708745.1/58



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -320.832+/-1.785 χ^2/NDF:329.0/12

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -325.309+/-1.800 χ^2/NDF:66.1/11

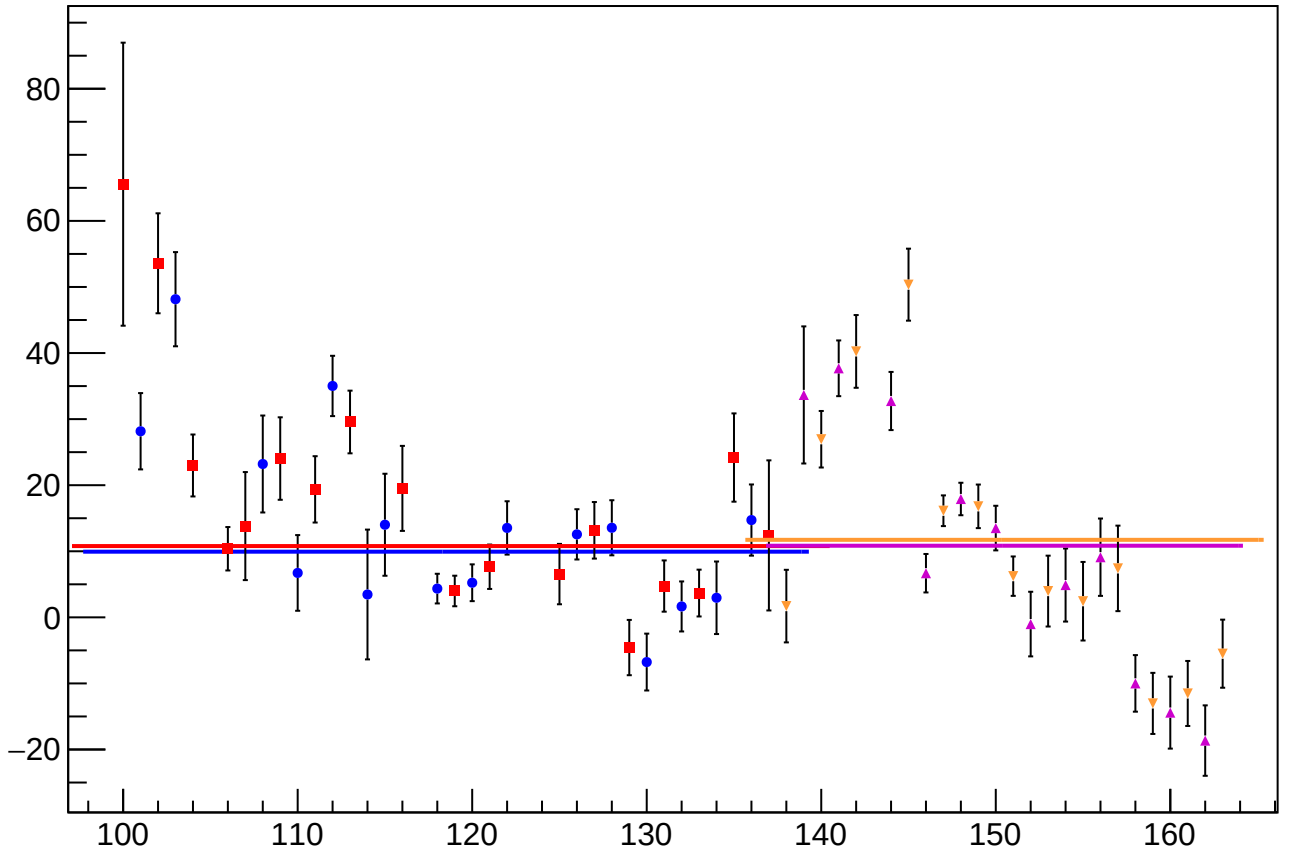
Left: -323.051+/-1.267 χ^2/NDF: 398.3/24

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -238.905+/-0.918 χ^2/NDF:4928.6/27

Out: -223.200+/-0.872 χ^2/NDF:8466.3/30

All: -230.649+/-0.632 χ^2/NDF: 13548.9/58



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 11.732+/-1.150 χ^2/NDF:169.6/12

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 10.840+/-1.182 χ^2/NDF:164.0/11

Left: 11.298+/-0.824 χ^2/NDF: 333.9/24

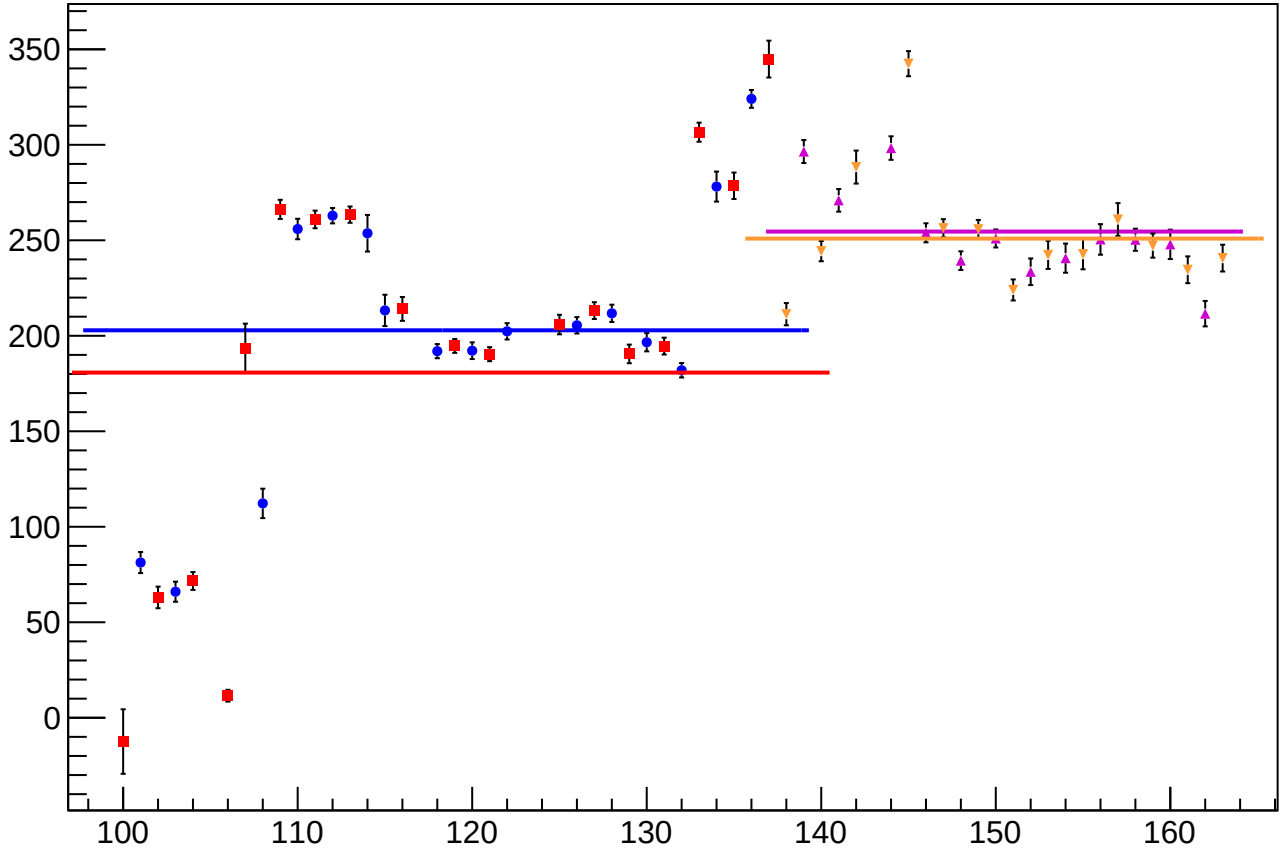
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 10.342+/-0.791 χ^2/NDF:270.9/27

Out: 11.215+/-0.773 χ^2/NDF:275.0/30

All: 10.789+/-0.553 χ^2/NDF: 546.5/58

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: 250.898+/-1.725 χ^2/NDF:298.6/12

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 254.572+/-1.734 χ^2/NDF:172.5/11

Left: 252.725+/-1.223 χ^2/NDF: 473.3/24

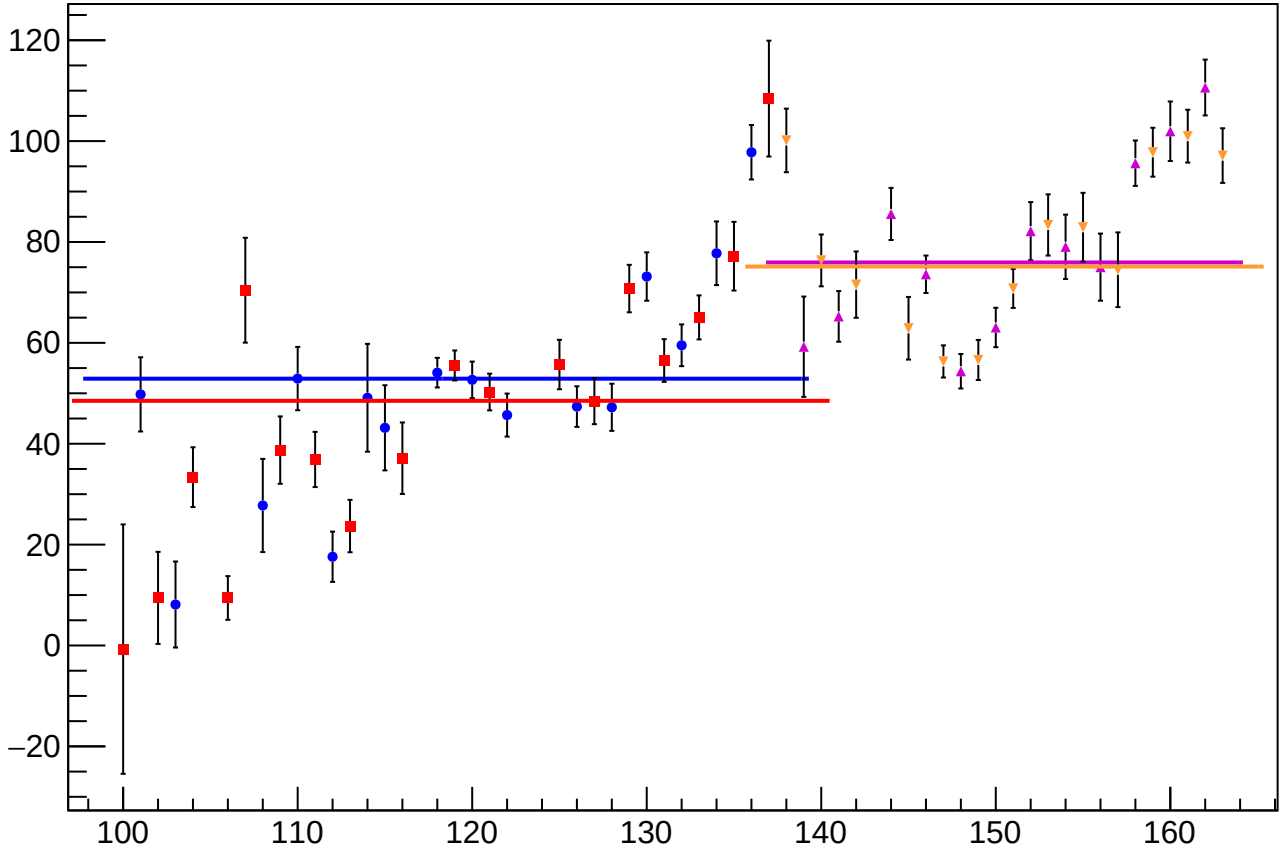
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 220.092+/-1.001 χ^2/NDF:3229.3/27

Out: 202.150+/-0.953 χ^2/NDF:7795.6/30

All: 210.683+/-0.690 χ^2/NDF: 11193.4/58

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 75.128+/-1.386 χ^2/NDF:143.7/12

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 75.944+/-1.416 χ^2/NDF:141.2/11

Left: 75.527+/-0.990 χ^2/NDF: 285.1/24

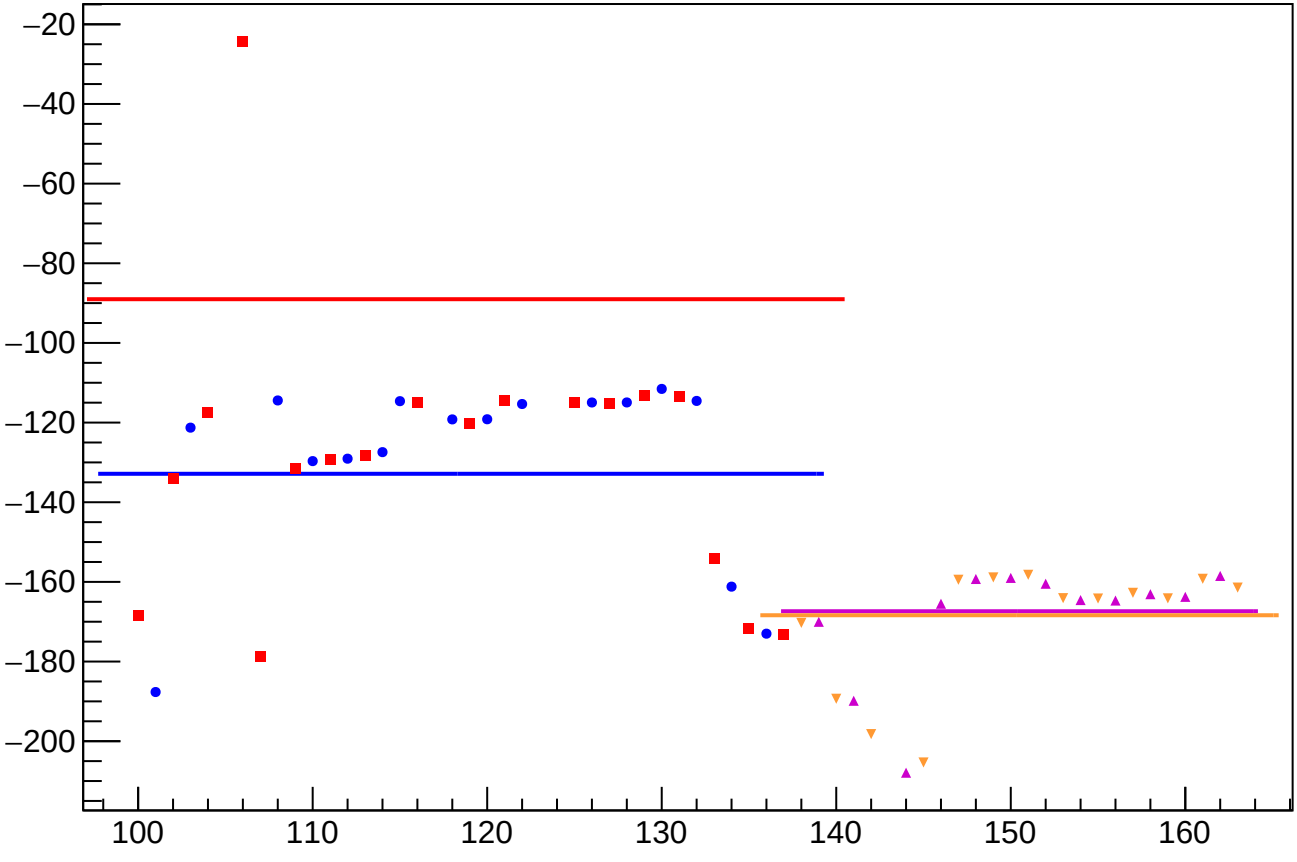
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 62.918+/-0.933 χ^2/NDF:489.3/27

Out: 60.068+/-0.913 χ^2/NDF:592.4/30

All: 61.462+/-0.653 χ^2/NDF: 1086.4/58

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -168.373+/-0.067 χ^2/NDF:44782.0/12

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -167.367+/-0.066 χ^2/NDF:36905.1/11

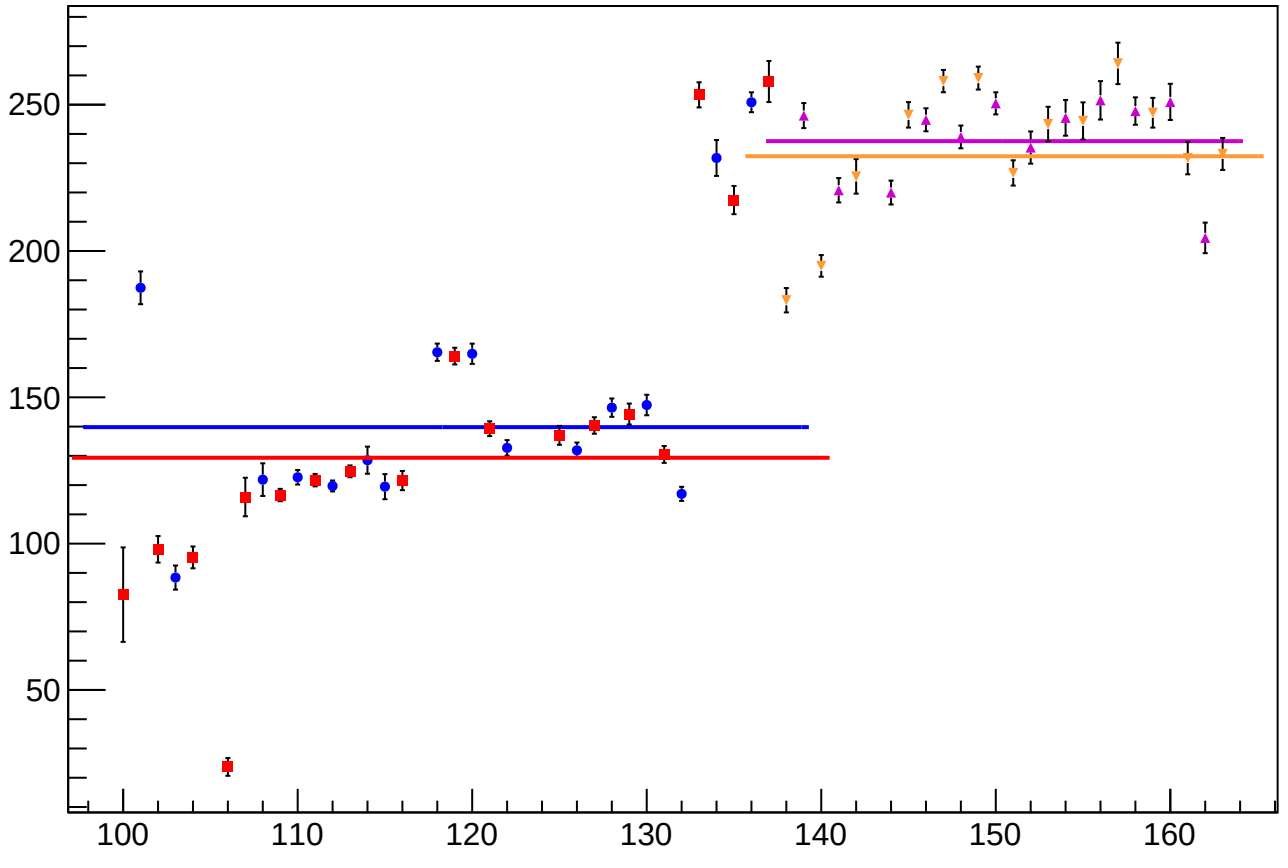
Left: -167.865+/-0.047 χ^2/NDF: 81800.9/24

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -153.586+/-0.051 χ^2/NDF:238501.3/27

Out: -126.941+/-0.046 χ^2/NDF:1503711.3/30

All: -138.893+/-0.034 χ^2/NDF: 1890348.0/58



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 232.376+/-1.316 χ^2/NDF:383.5/12

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 237.538+/-1.330 χ^2/NDF:110.2/11

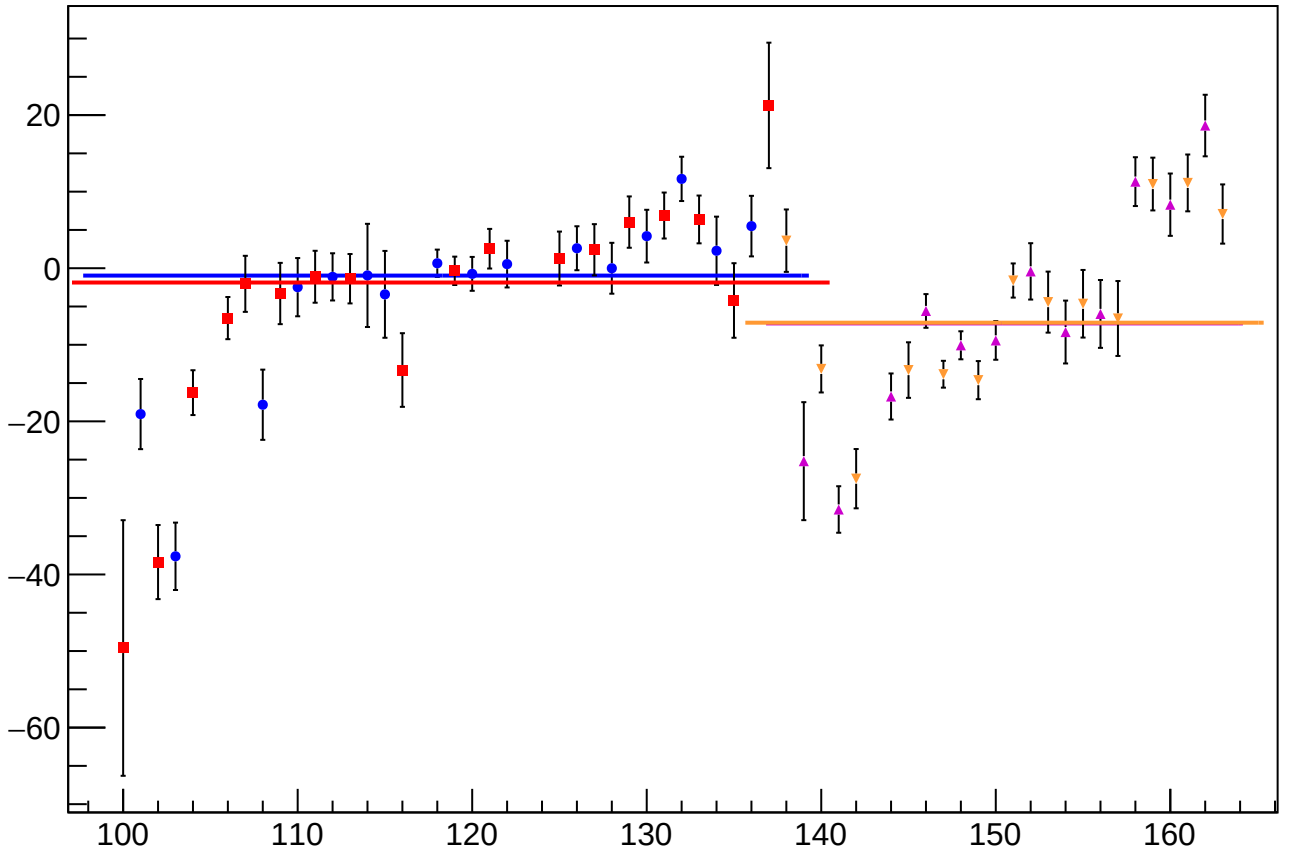
Left: 234.929+/-0.935 χ^2/NDF: 501.4/24

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.030+/-0.676 χ^2/NDF:6079.3/27

Out: 153.809+/-0.641 χ^2/NDF:8182.5/30

All: 159.125+/-0.465 χ^2/NDF: 14406.9/58



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -7.115+/-0.852 χ^2/NDF:137.3/12

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -7.210+/-0.877 χ^2/NDF:176.4/11

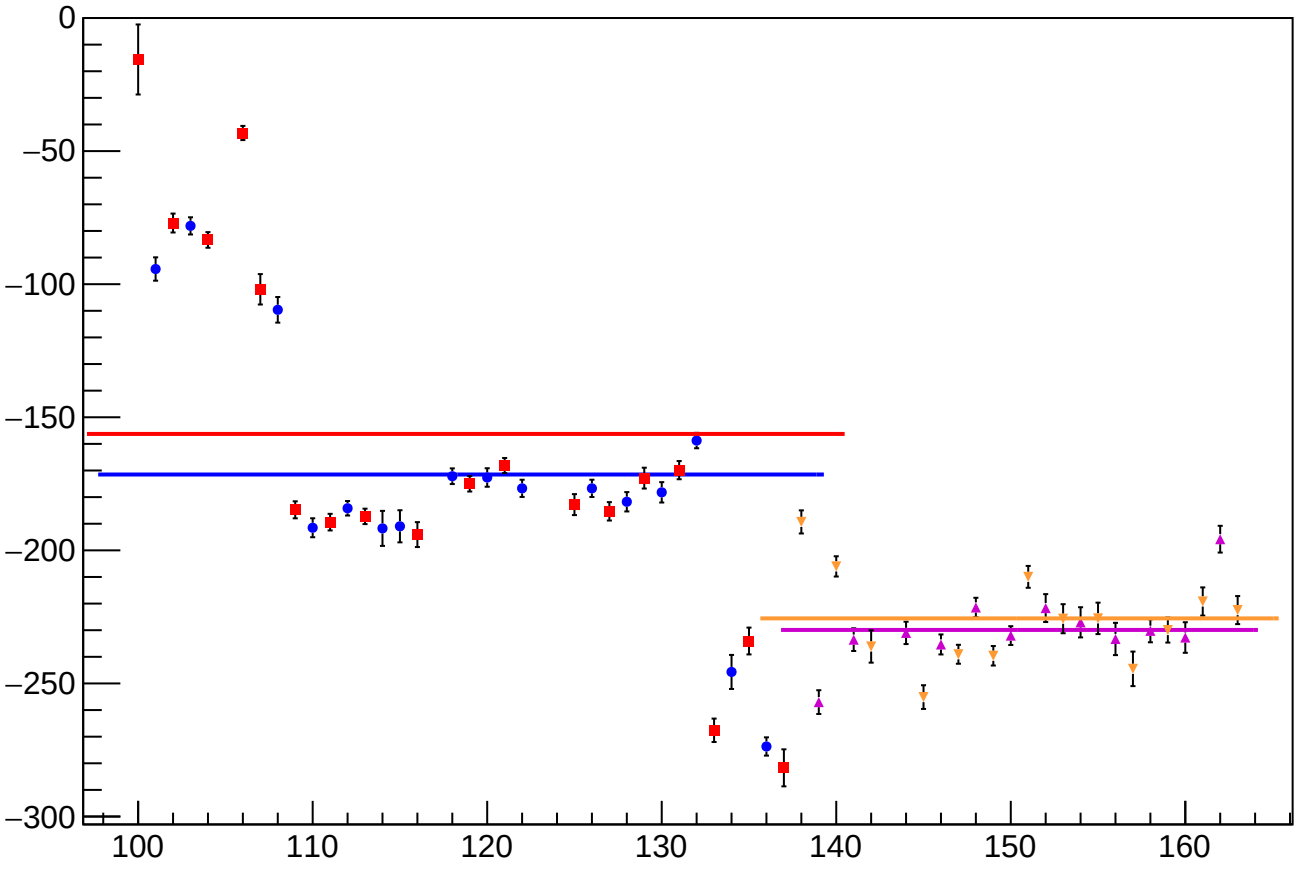
Left: -7.161+/-0.611 χ^2/NDF: 313.8/24

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.834+/-0.594 χ^2/NDF:329.9/27

Out: -4.271+/-0.577 χ^2/NDF:291.0/30

All: -4.059+/-0.414 χ^2/NDF: 621.2/58



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -225.563+/-1.275 χ^2/NDF:197.8/12

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -229.899+/-1.284 χ^2/NDF:94.9/11

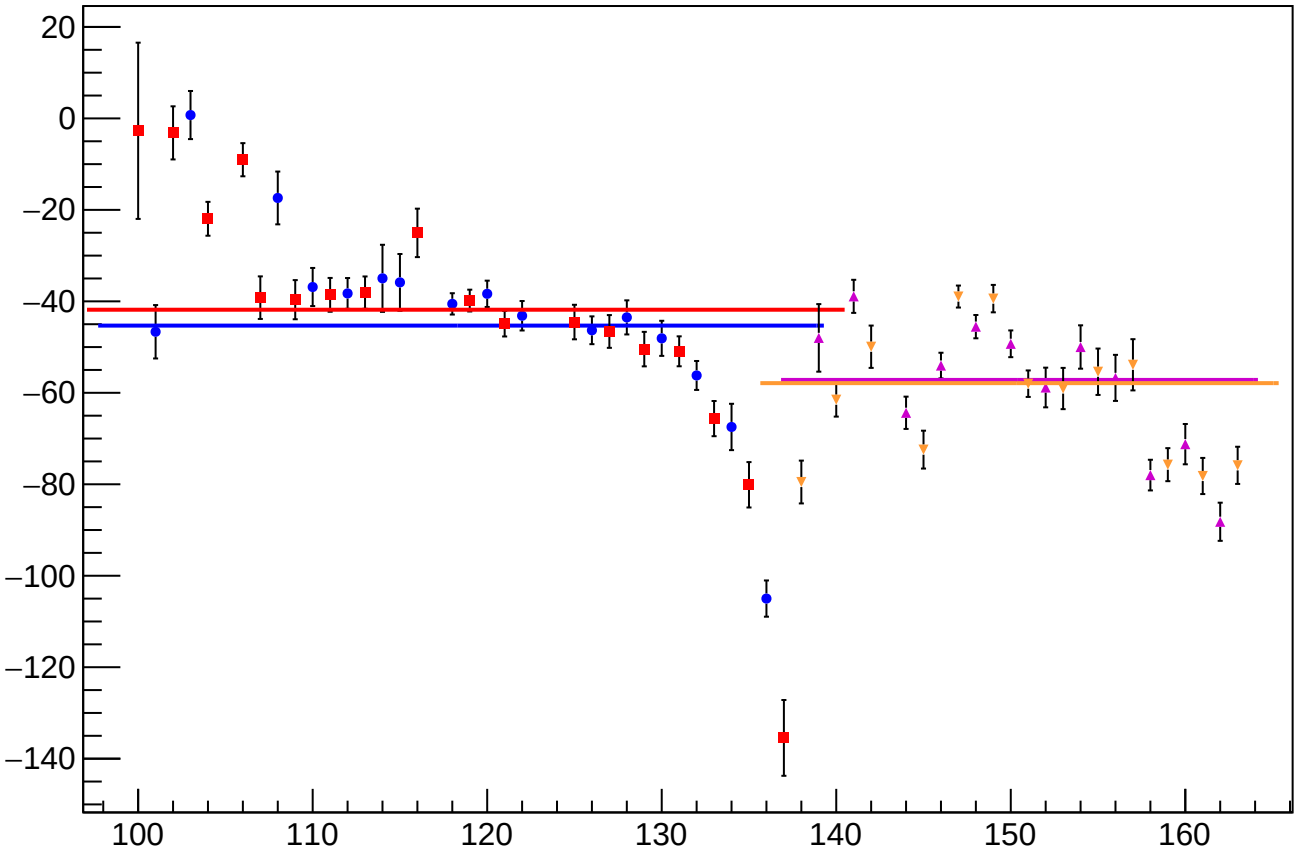
Left: -227.717+/-0.905 χ^2/NDF: 298.4/24

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.946+/-0.741 χ^2/NDF:3918.2/27

Out: -177.494+/-0.706 χ^2/NDF:7151.7/30

All: -183.895+/-0.511 χ^2/NDF: 11242.9/58



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -57.885+/-1.027 χ^2/NDF:208.7/12

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -57.182+/-1.049 χ^2/NDF:167.1/11

Left: -57.541+/-0.734 χ^2/NDF: 376.0/24

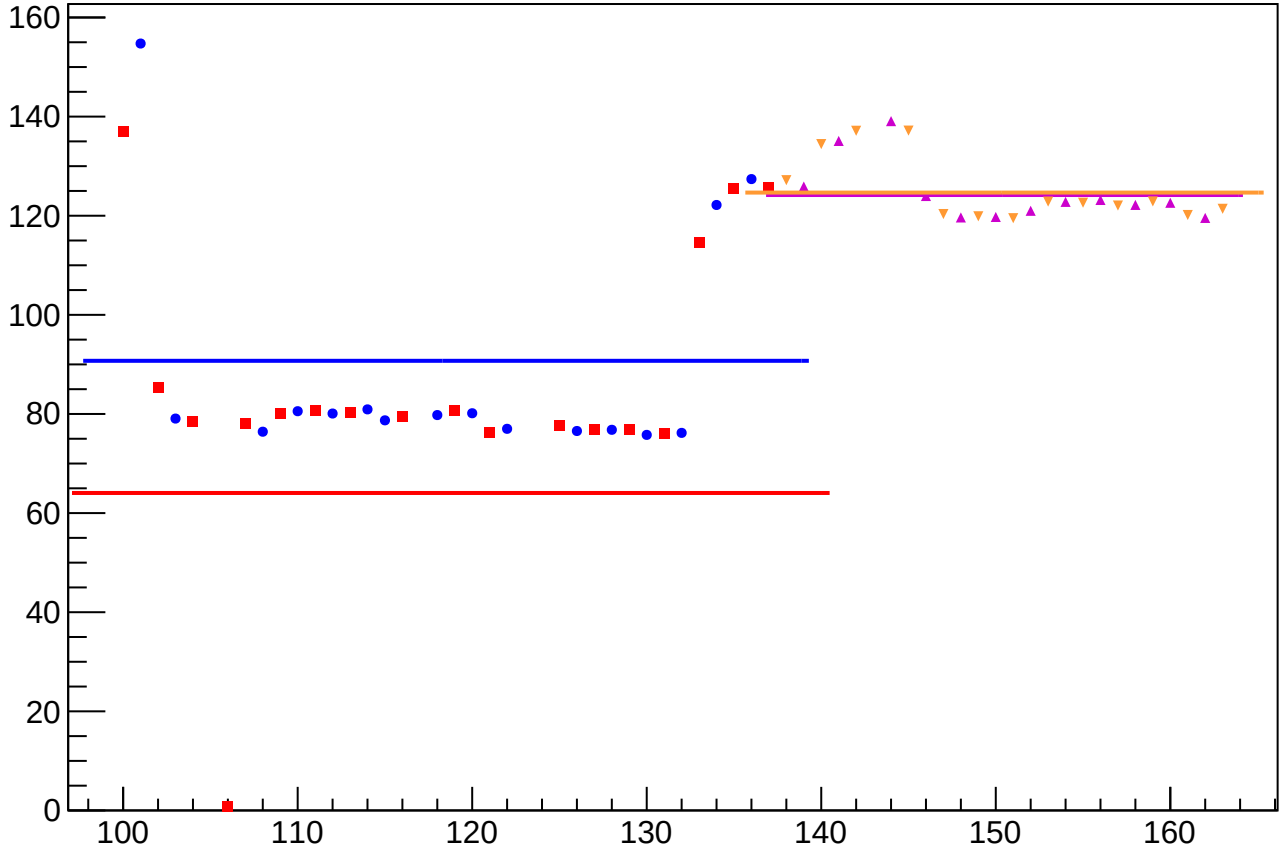
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -50.578+/-0.699 χ^2/NDF:620.4/27

Out: -48.887+/-0.681 χ^2/NDF:759.9/30

All: -49.710+/-0.488 χ^2/NDF: 1383.3/58

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: 124.671+/-0.050 χ^2/NDF:15118.6/12

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 124.179+/-0.049 χ^2/NDF:13415.1/11

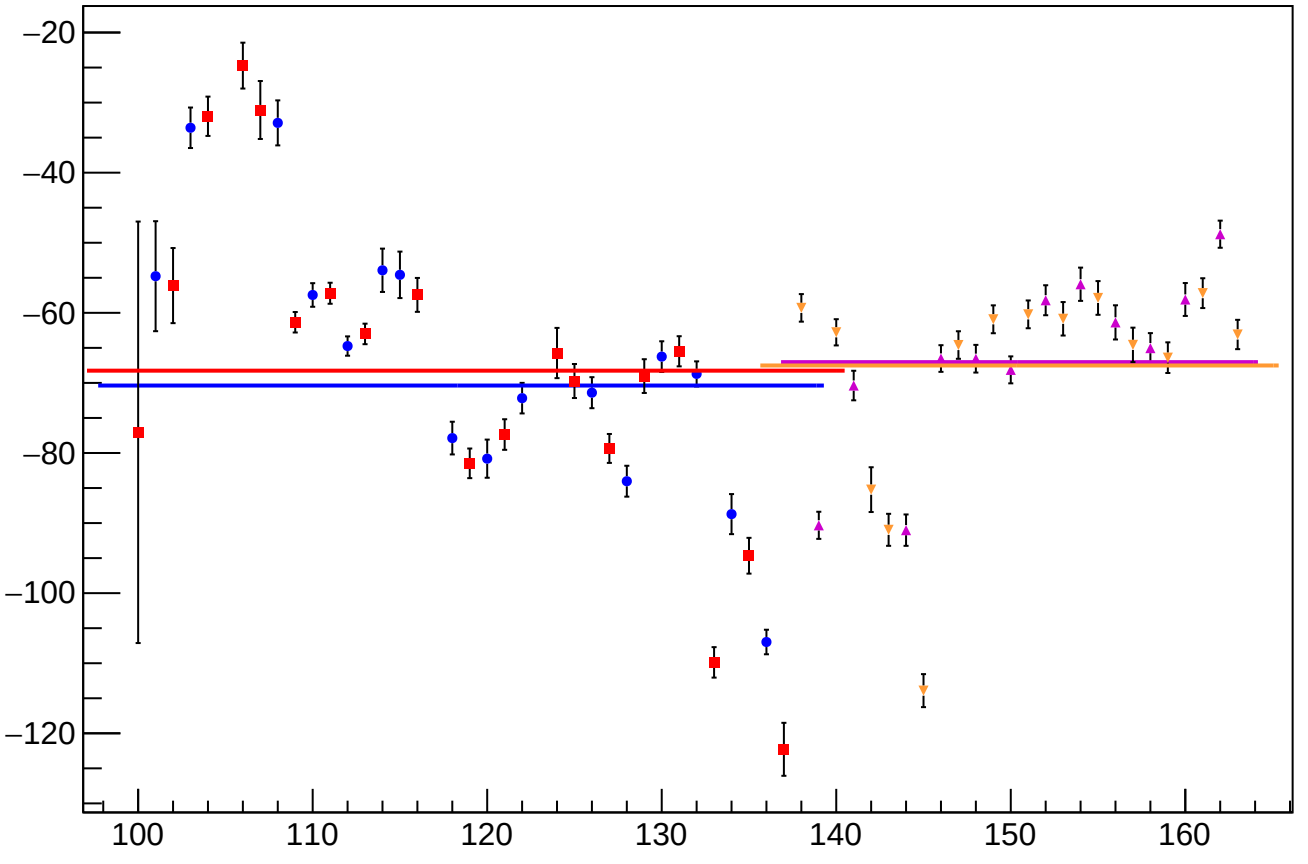
Left: 124.423+/-0.035 χ^2/NDF: 28583.3/24

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 110.311+/-0.038 χ^2/NDF:366121.9/27

Out: 94.154+/-0.035 χ^2/NDF:1426702.5/30

All: 101.638+/-0.026 χ^2/NDF: 1891649.7/58



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -67.512+/-0.582 χ^2/NDF:628.2/13

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -67.035+/-0.606 χ^2/NDF:411.2/11

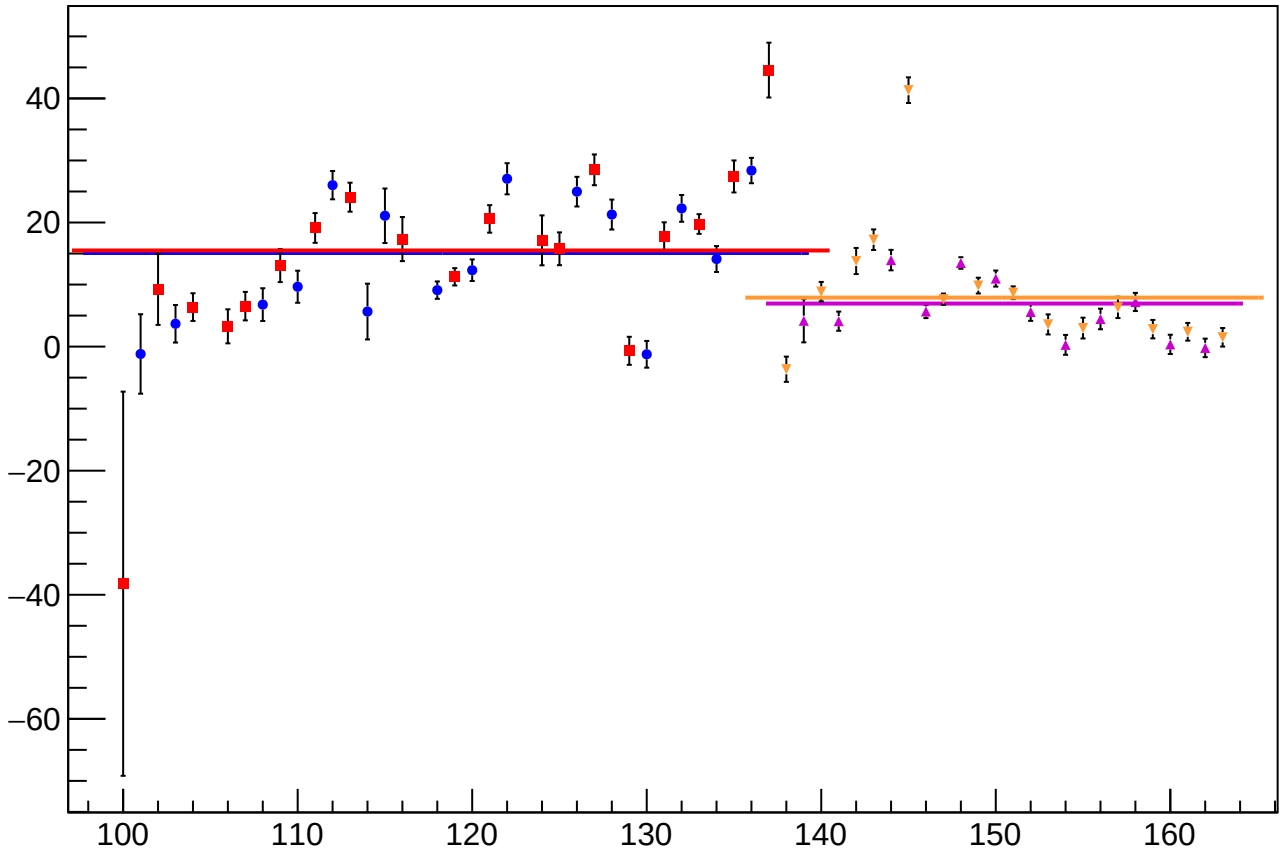
Left: -67.283+/-0.420 χ^2/NDF: 1039.7/25

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -68.842+/-0.410 χ^2/NDF:1402.5/27

Out: -67.919+/-0.391 χ^2/NDF:1935.1/32

All: -68.358+/-0.283 χ^2/NDF: 3340.2/60



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.894+/-0.386 χ^2/NDF:397.7/13

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.937+/-0.406 χ^2/NDF:143.6/11

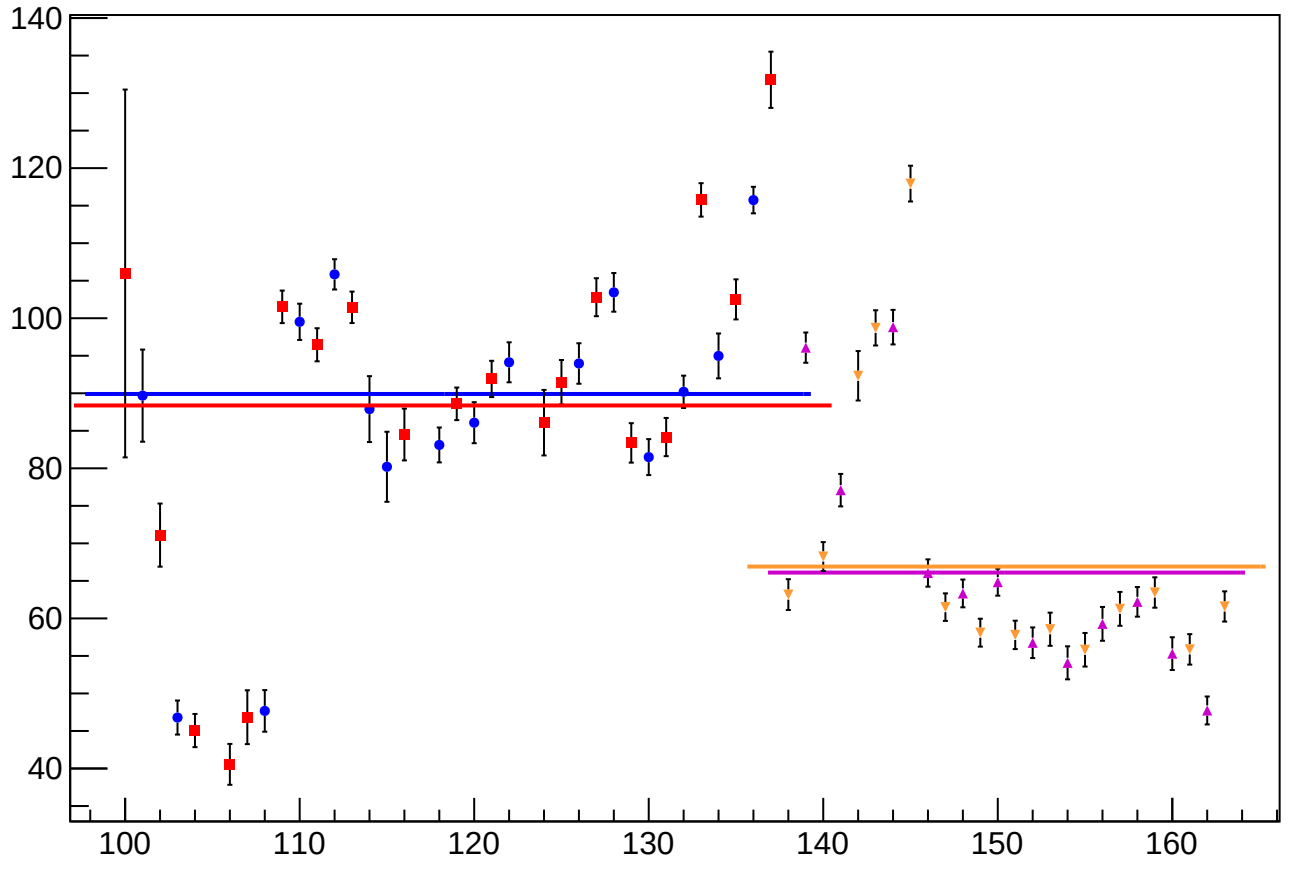
Left: 7.441+/-0.280 χ^2/NDF: 544.2/25

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 9.616+/-0.333 χ^2/NDF:518.3/27

Out: 10.350+/-0.317 χ^2/NDF:762.3/32

All: 10.001+/-0.230 χ^2/NDF: 1283.2/60



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 66.909+/-0.563 χ^2/NDF:844.0/13

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 66.108+/-0.582 χ^2/NDF:636.7/11

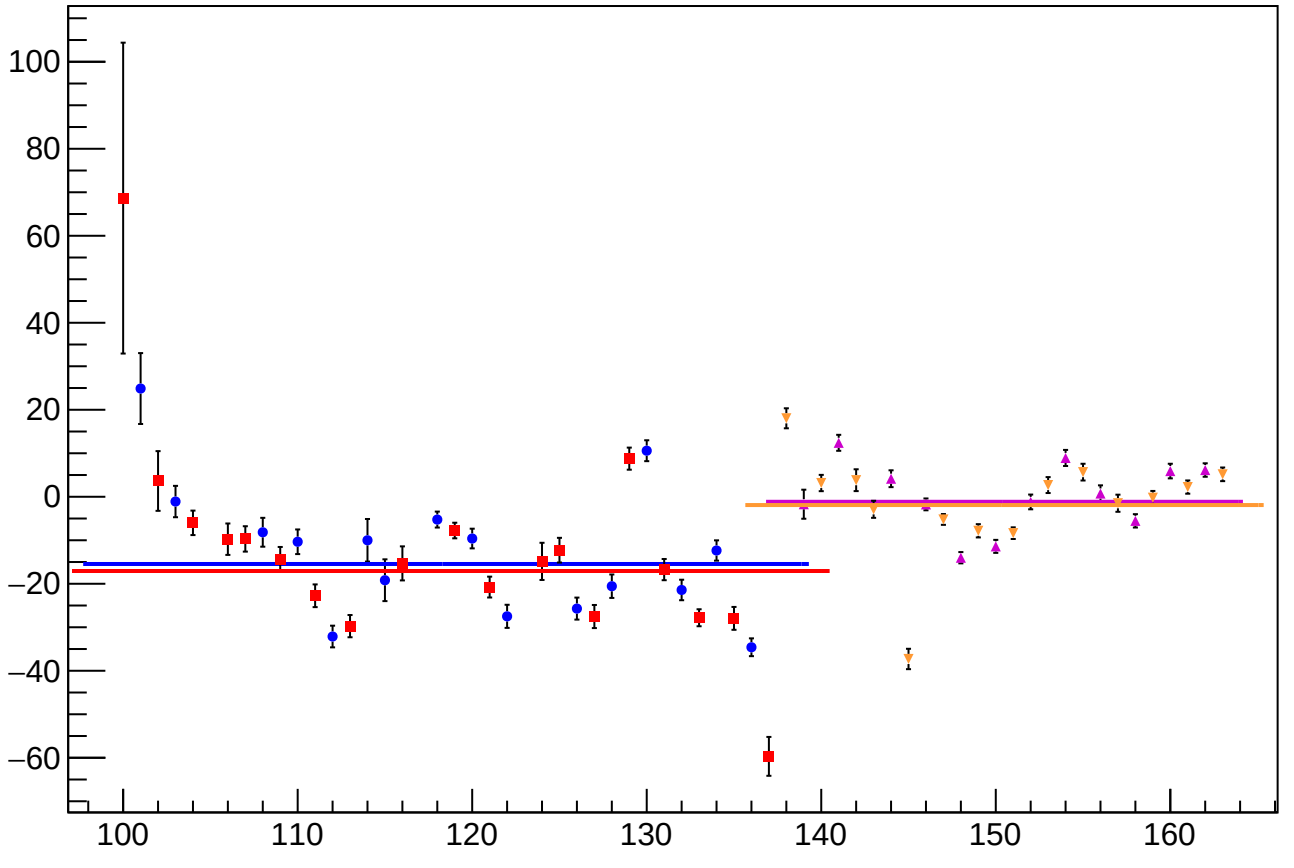
Left: 66.522+/-0.405 χ^2/NDF: 1481.6/25

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 76.872+/-0.431 χ^2/NDF:2340.1/27

Out: 76.651+/-0.416 χ^2/NDF:2793.0/32

All: 76.758+/-0.299 χ^2/NDF: 5133.3/60



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.904+/-0.457 χ^2/NDF:412.2/13

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -1.155+/-0.479 χ^2/NDF:286.3/11

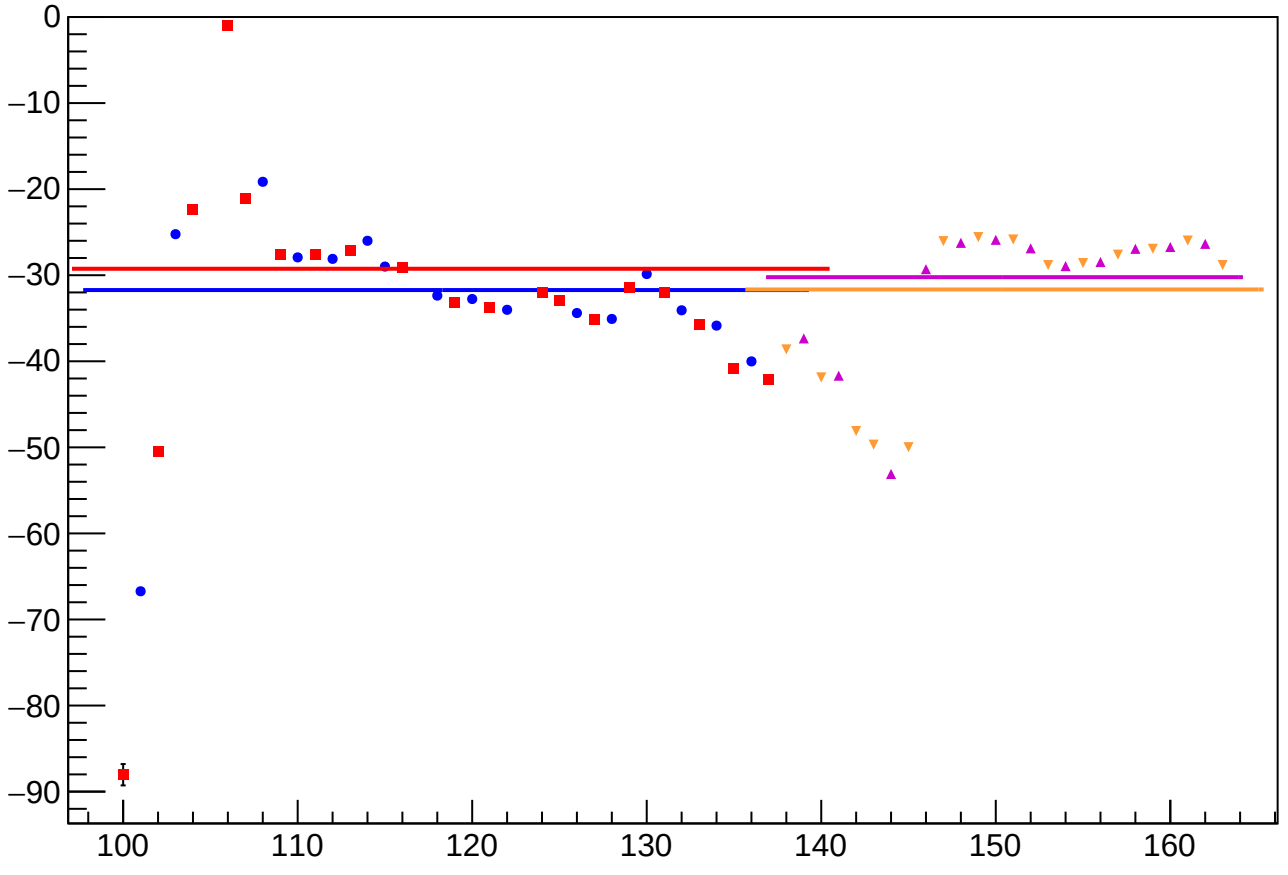
Left: -1.547+/-0.331 χ^2/NDF: 699.8/25

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -6.039+/-0.389 χ^2/NDF:976.8/27

Out: -6.986+/-0.373 χ^2/NDF:1142.2/32

All: -6.533+/-0.269 χ^2/NDF: 2122.0/60



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -31.656+/-0.021 χ^2/NDF:144157.4/13

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -30.227+/-0.022 χ^2/NDF:92692.2/11

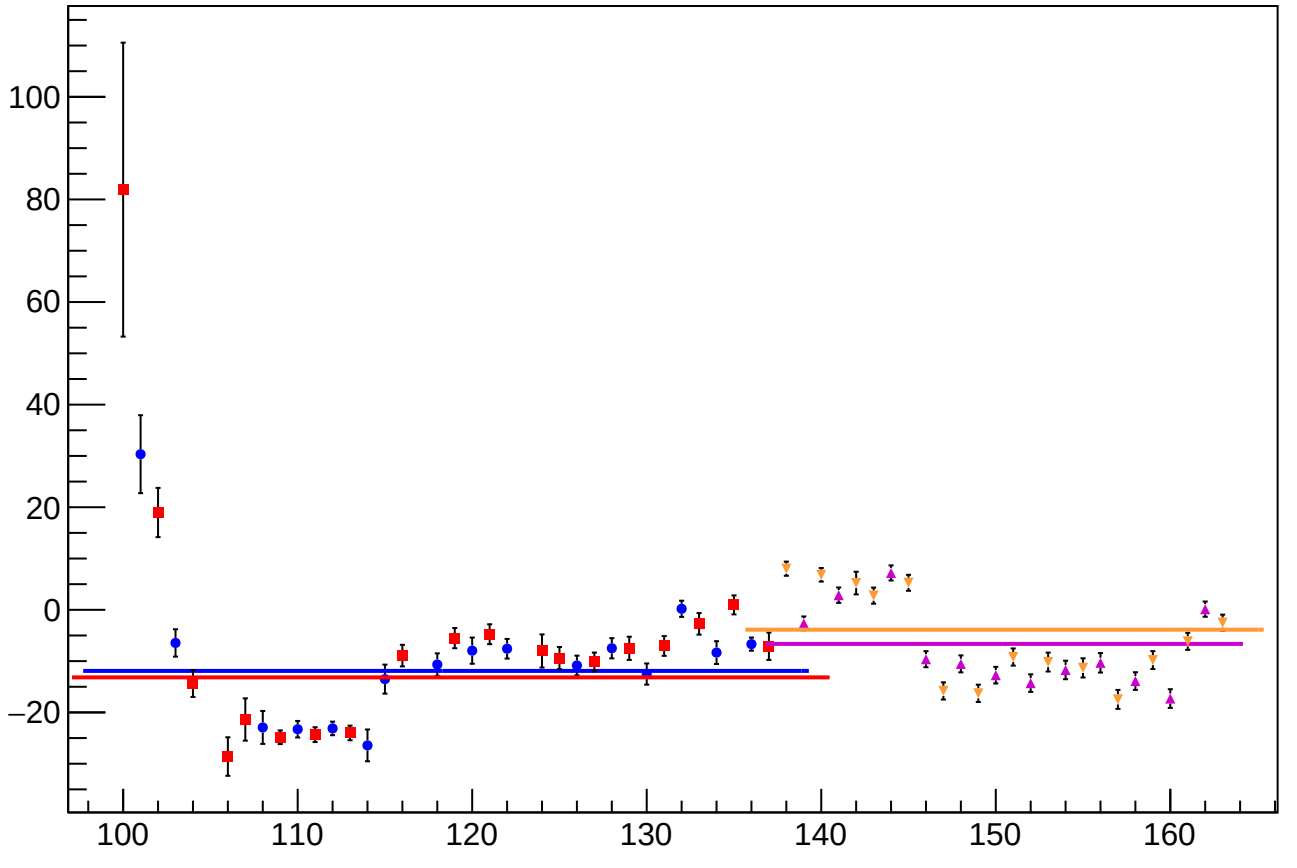
Left: -30.956+/-0.015 χ^2/NDF: 239036.0/25

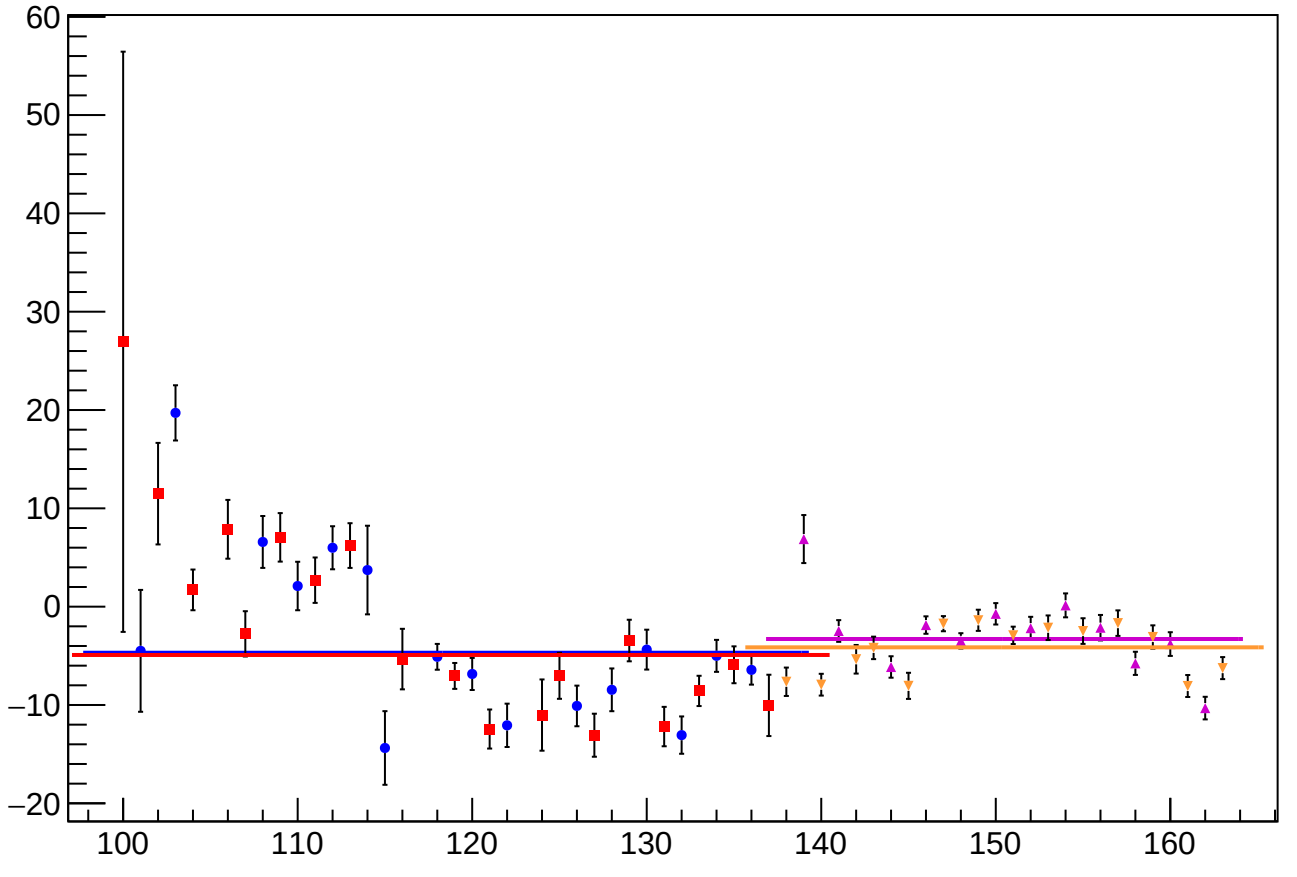
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.591+/-0.019 χ^2/NDF:133473.5/27

Out: -31.087+/-0.019 χ^2/NDF:242386.2/32

All: -30.843+/-0.013 χ^2/NDF: 376205.7/60


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -3.871+/-0.441 χ²/NDF:419.6/13
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -6.641+/-0.465 χ²/NDF:264.5/11
Left: -5.181+/-0.320 χ²/NDF: 702.8/25
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -9.101+/-0.340 χ²/NDF:606.4/27
Out: -8.122+/-0.325 χ²/NDF:1044.7/32
All: -8.589+/-0.235 χ²/NDF: 1655.5/60



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.137+/-0.301 χ^2/NDF:69.7/13

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.288+/-0.320 χ^2/NDF:84.4/11

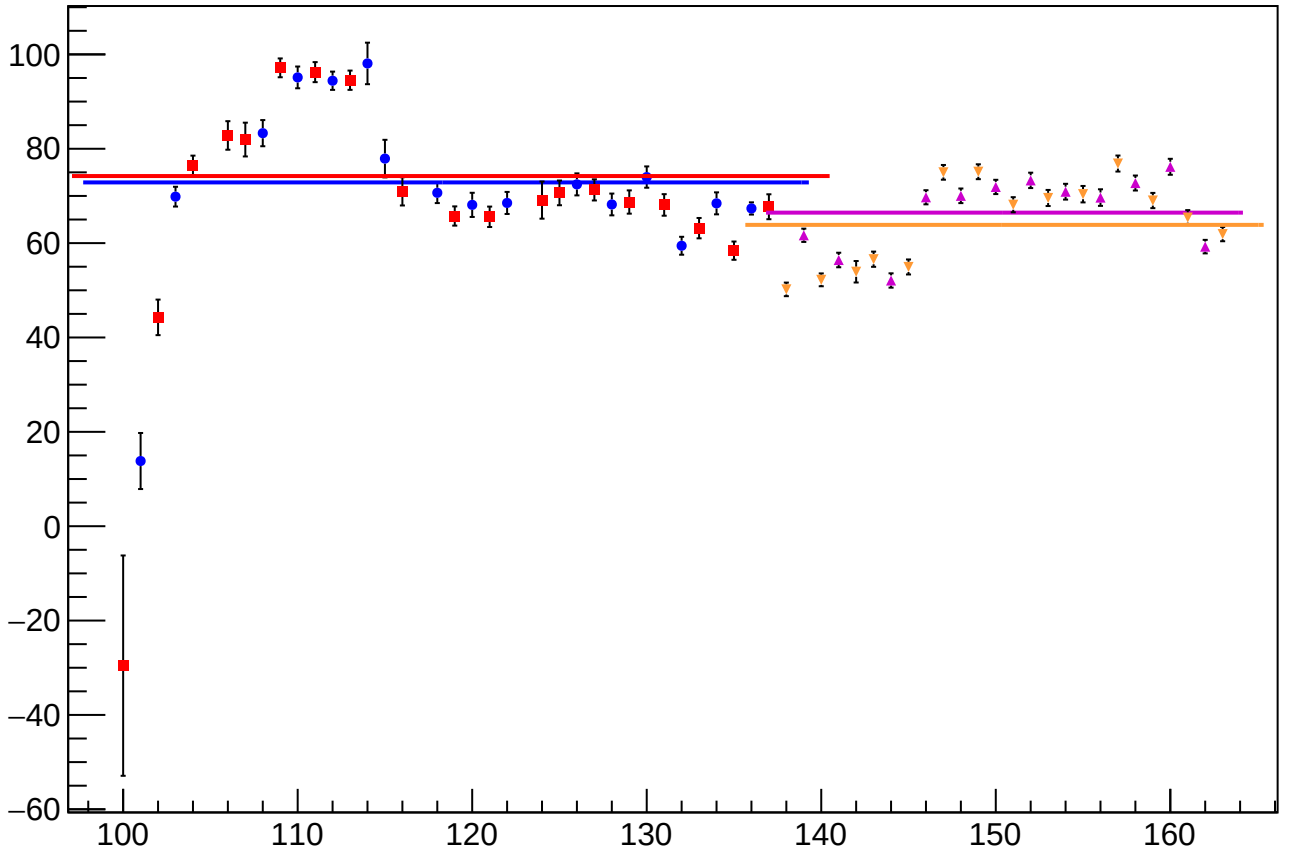
Left: -3.739+/-0.219 χ^2/NDF: 157.9/25

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.675+/-0.272 χ^2/NDF:268.8/27

Out: -4.335+/-0.259 χ^2/NDF:227.3/32

All: -4.021+/-0.188 χ^2/NDF: 499.1/60



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.868+/-0.429 χ^2/NDF:439.8/13

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 66.460+/-0.450 χ^2/NDF:268.6/11

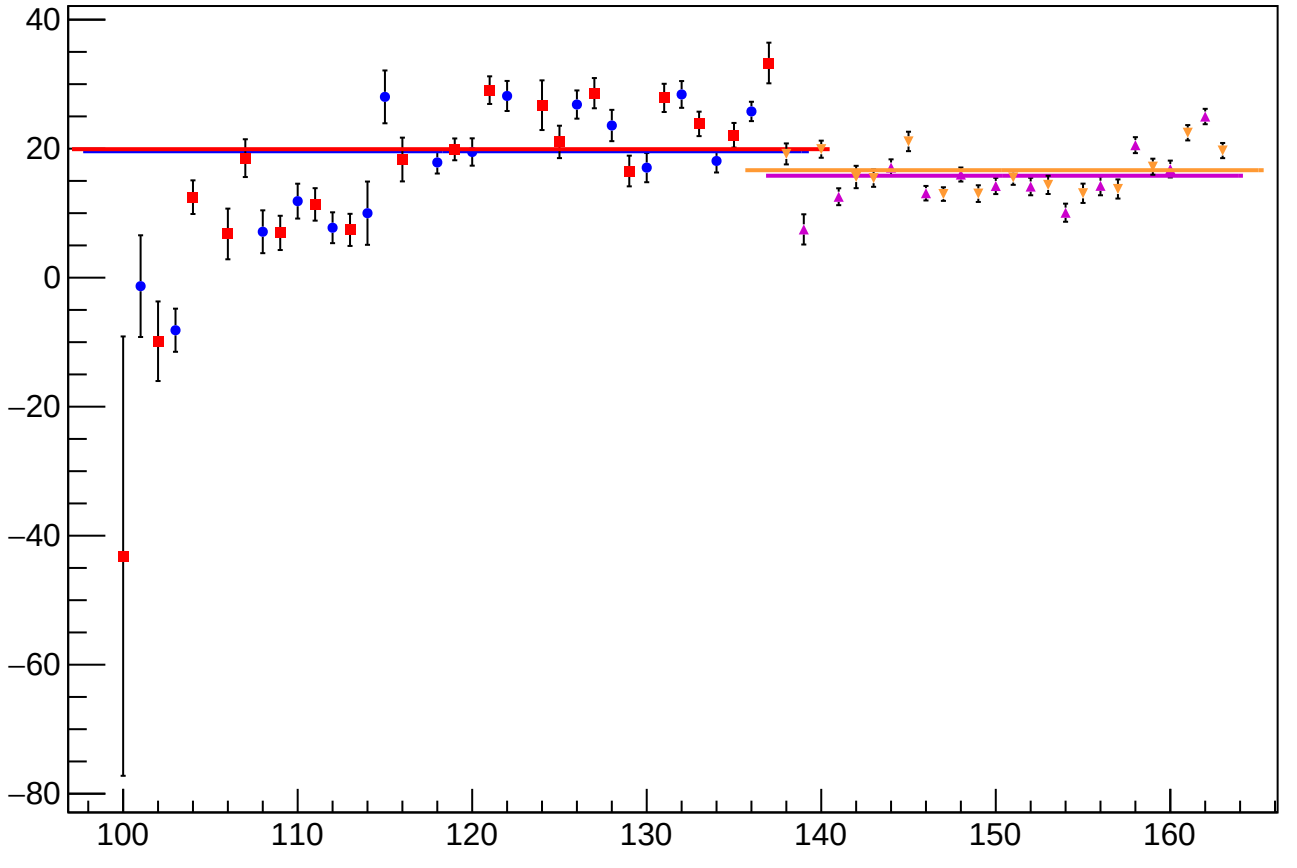
Left: 65.103+/-0.310 χ^2/NDF: 725.8/25

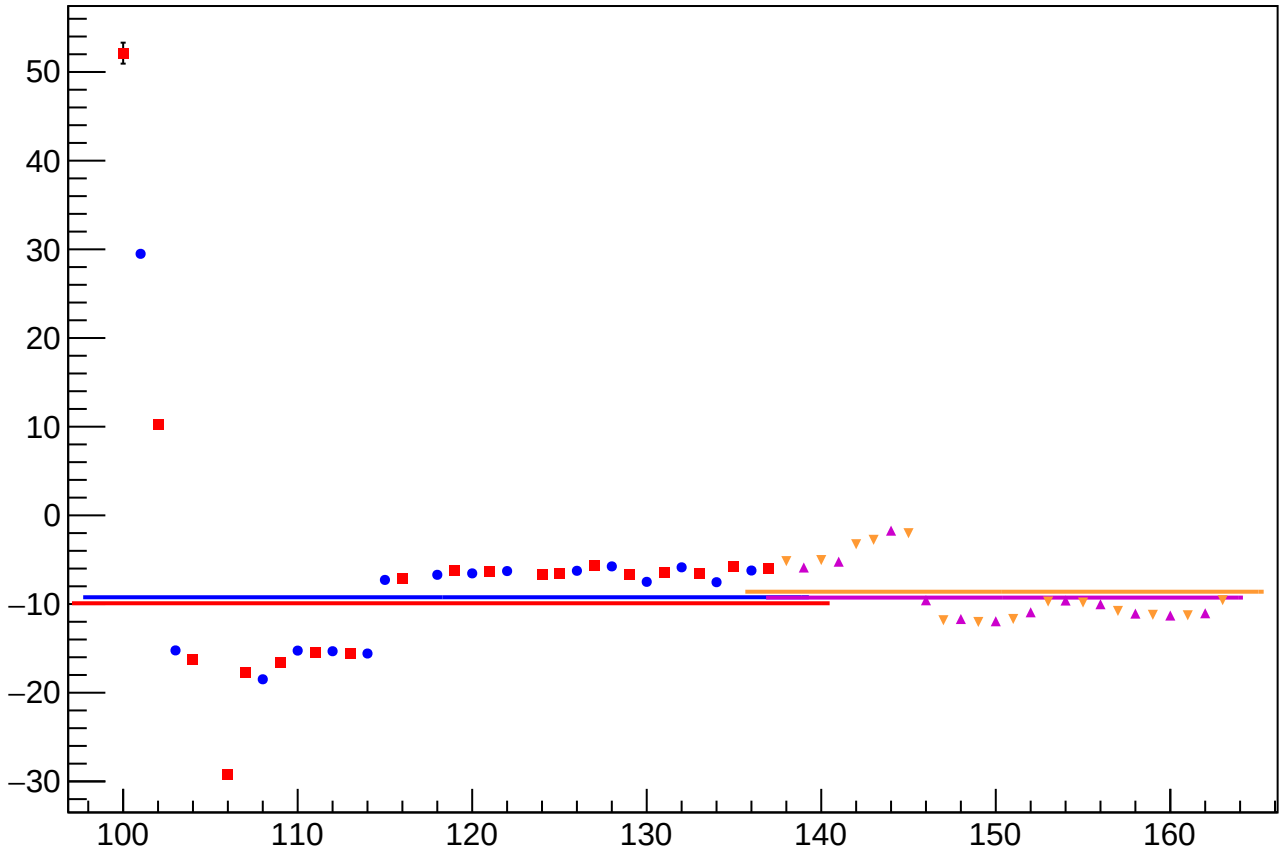
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

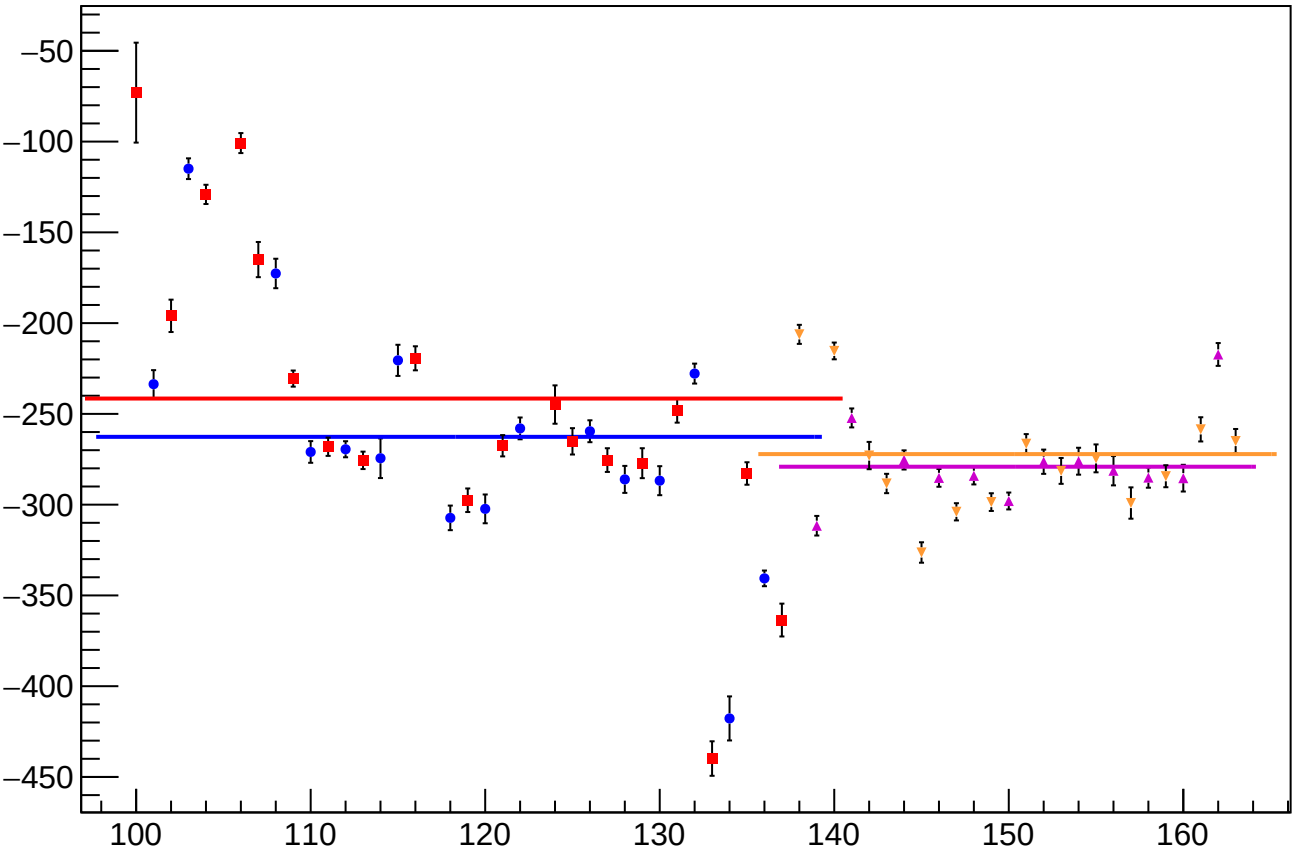
In: 68.941+/-0.352 χ^2/NDF:797.9/27

Out: 67.675+/-0.341 χ^2/NDF:1240.1/32

All: 68.288+/-0.245 χ^2/NDF: 2044.8/60


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 16.660+/-0.353 χ²/NDF:82.4/13
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 15.804+/-0.375 χ²/NDF:121.1/11
Left: 16.257+/-0.257 χ²/NDF: 206.2/25
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 16.909+/-0.316 χ²/NDF:346.8/27
Out: 17.531+/-0.303 χ²/NDF:286.4/32
All: 17.233+/-0.218 χ²/NDF: 635.3/60


reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
Right In: -9.235+/-0.033 χ²/NDF: 31159.3/15
Left Out: -8.611+/-0.016 χ²/NDF:43539.7/13
Right Out: -9.913+/-0.034 χ²/NDF: 53863.3/18
Left In: -9.274+/-0.017 χ²/NDF:28830.4/11
Left: -8.931+/-0.012 χ²/NDF: 73169.9/25
Right: -9.558+/-0.024 χ²/NDF: 85225.4/34
In: -9.266+/-0.015 χ²/NDF:59990.8/27
Out: -8.849+/-0.015 χ²/NDF:98571.0/32
All: -9.054+/-0.011 χ²/NDF: 158954.8/60



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -272.150+/-1.558 χ^2/NDF:508.1/13

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -279.103+/-1.644 χ^2/NDF:181.3/11

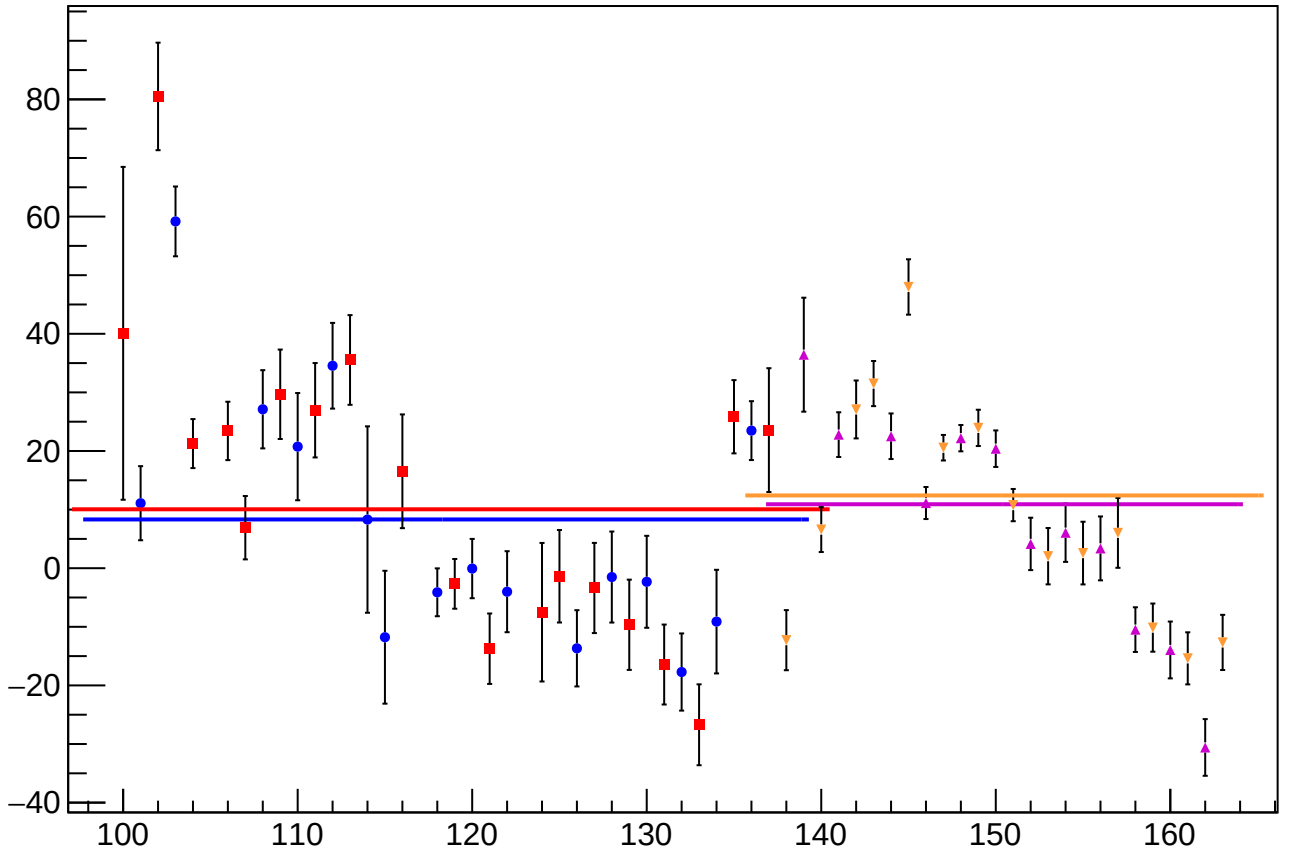
Left: -275.440+/-1.131 χ^2/NDF: 698.9/25

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -270.722+/-1.152 χ^2/NDF:1686.7/27

Out: -256.332+/-1.083 χ^2/NDF:2846.1/32

All: -263.085+/-0.789 χ^2/NDF: 4615.7/60



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 12.417+/-1.017 χ^2/NDF:250.7/13

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 10.913+/-1.079 χ^2/NDF:196.5/11

Left: 11.710+/-0.740 χ^2/NDF: 448.2/25

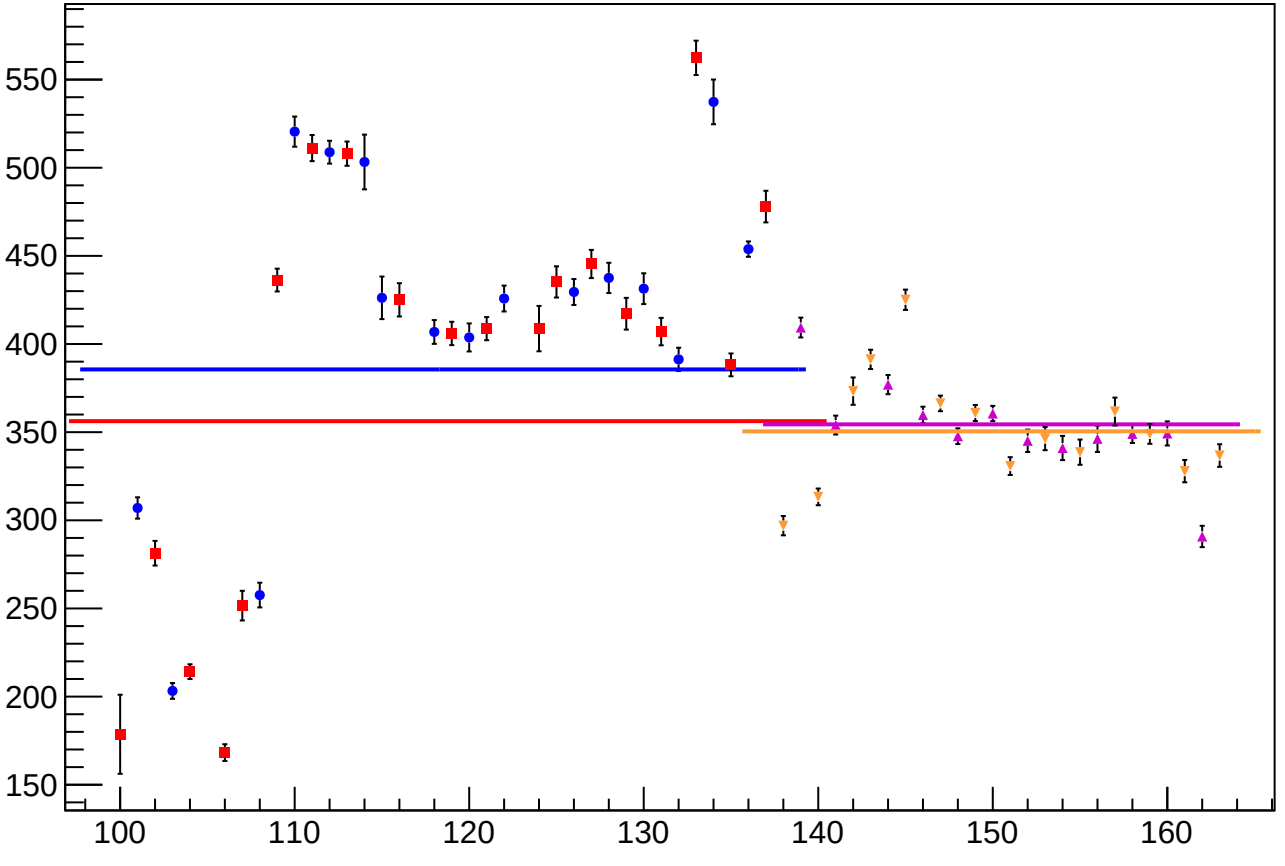
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 10.132+/-0.902 χ^2/NDF:355.9/27

Out: 11.699+/-0.848 χ^2/NDF:439.7/32

All: 10.964+/-0.618 χ^2/NDF: 797.2/60

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: 350.473+/-1.514 χ^2/NDF:444.9/13

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 354.430+/-1.583 χ^2/NDF:237.5/11

Left: 352.364+/-1.094 χ^2/NDF: 685.6/25

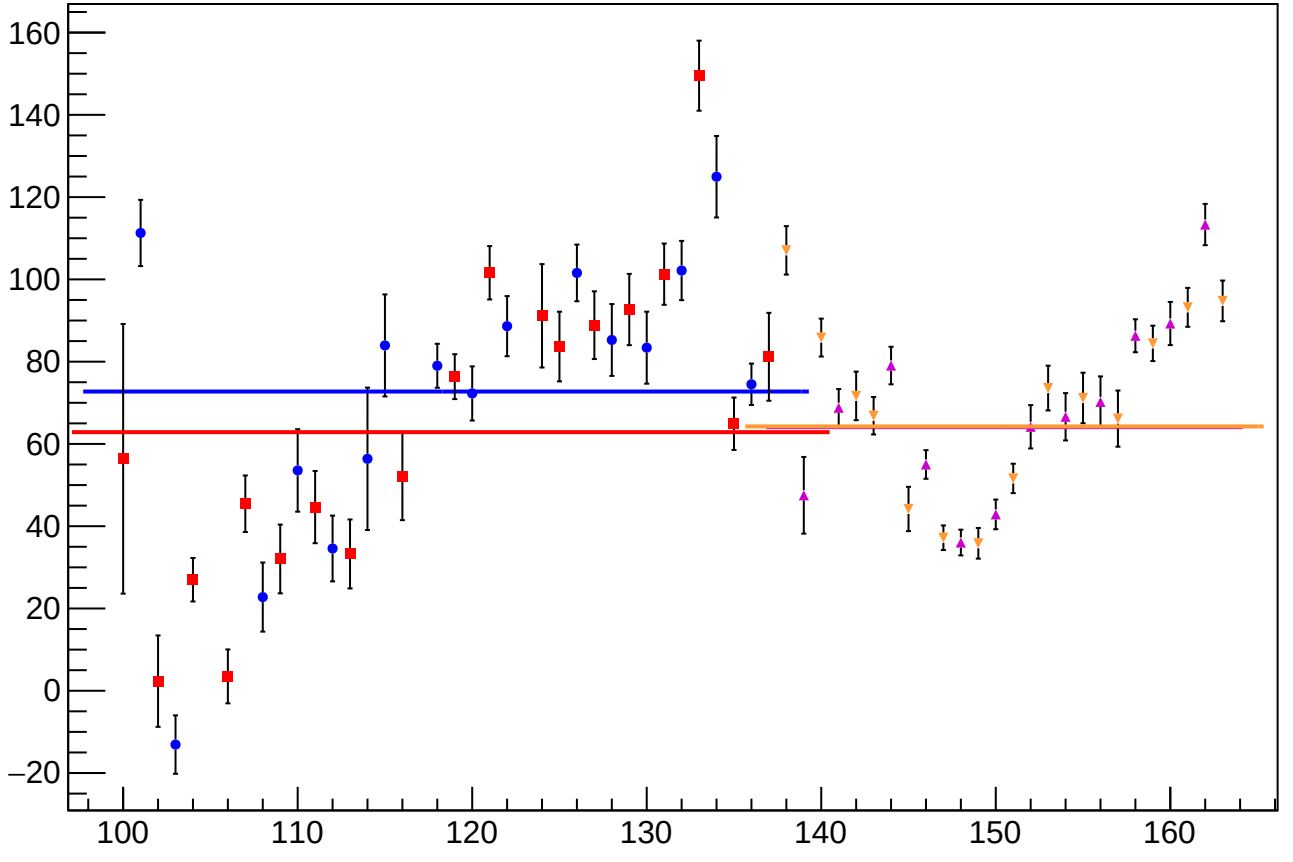
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 368.524+/-1.172 χ^2/NDF:3785.7/27

Out: 353.118+/-1.115 χ^2/NDF:5721.8/32

All: 360.437+/-0.808 χ^2/NDF: 9598.3/60

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: 64.259+/-1.221 χ^2/NDF:344.7/13

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 64.082+/-1.291 χ^2/NDF:288.0/11

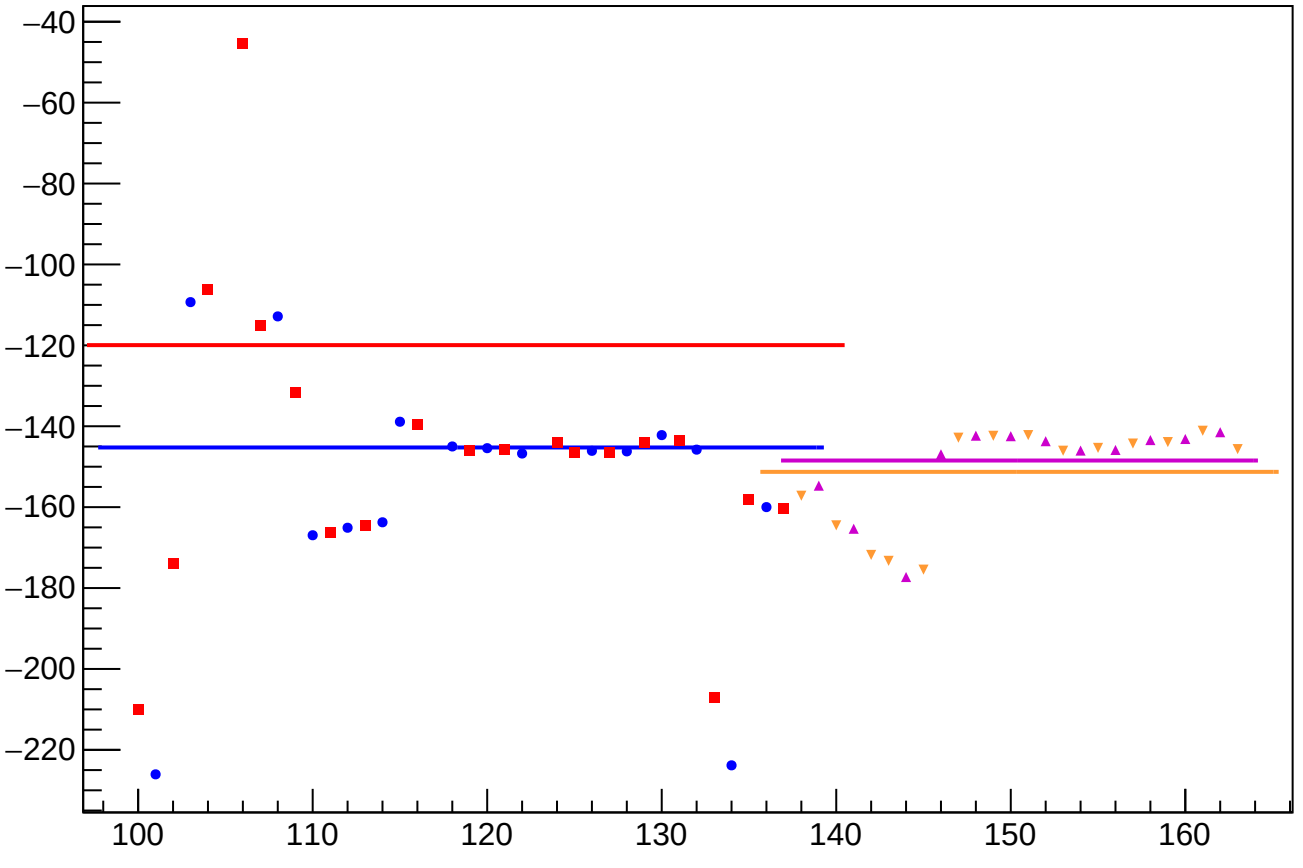
Left: 64.175+/-0.887 χ^2/NDF: 632.8/25

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 66.823+/-1.067 χ^2/NDF:606.6/27

Out: 63.817+/-1.010 χ^2/NDF:748.7/32

All: 65.237+/-0.733 χ^2/NDF: 1359.5/60



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -151.273+/-0.059 χ^2/NDF:41335.7/13

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -148.471+/-0.061 χ^2/NDF:26154.7/11

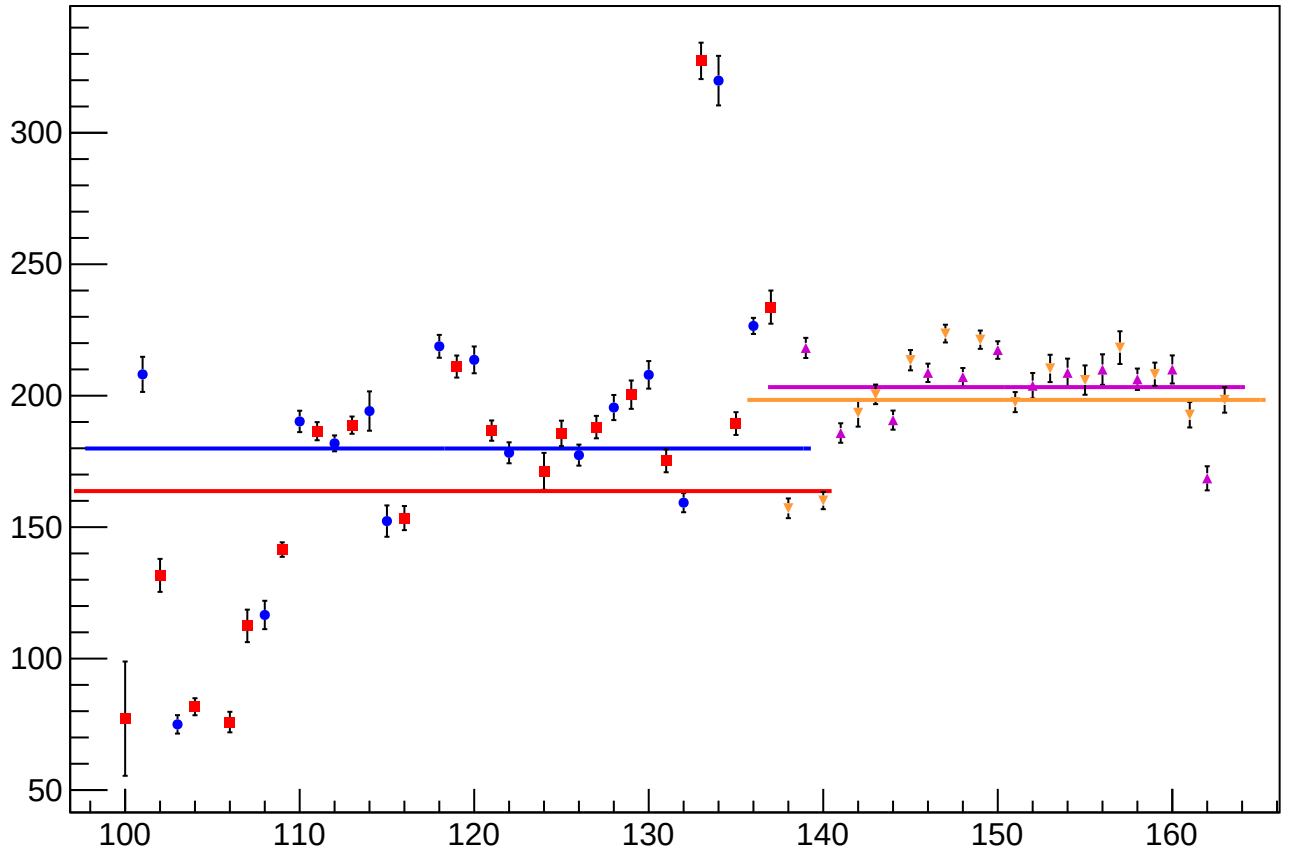
Left: -149.906+/-0.042 χ^2/NDF: 68587.5/25

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.585+/-0.052 χ^2/NDF:158991.9/27

Out: -141.684+/-0.049 χ^2/NDF:397715.4/32

All: -144.498+/-0.036 χ^2/NDF: 563560.0/60



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 198.394+/-1.111 χ^2/NDF:396.5/13

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 203.265+/-1.176 χ^2/NDF:132.6/11

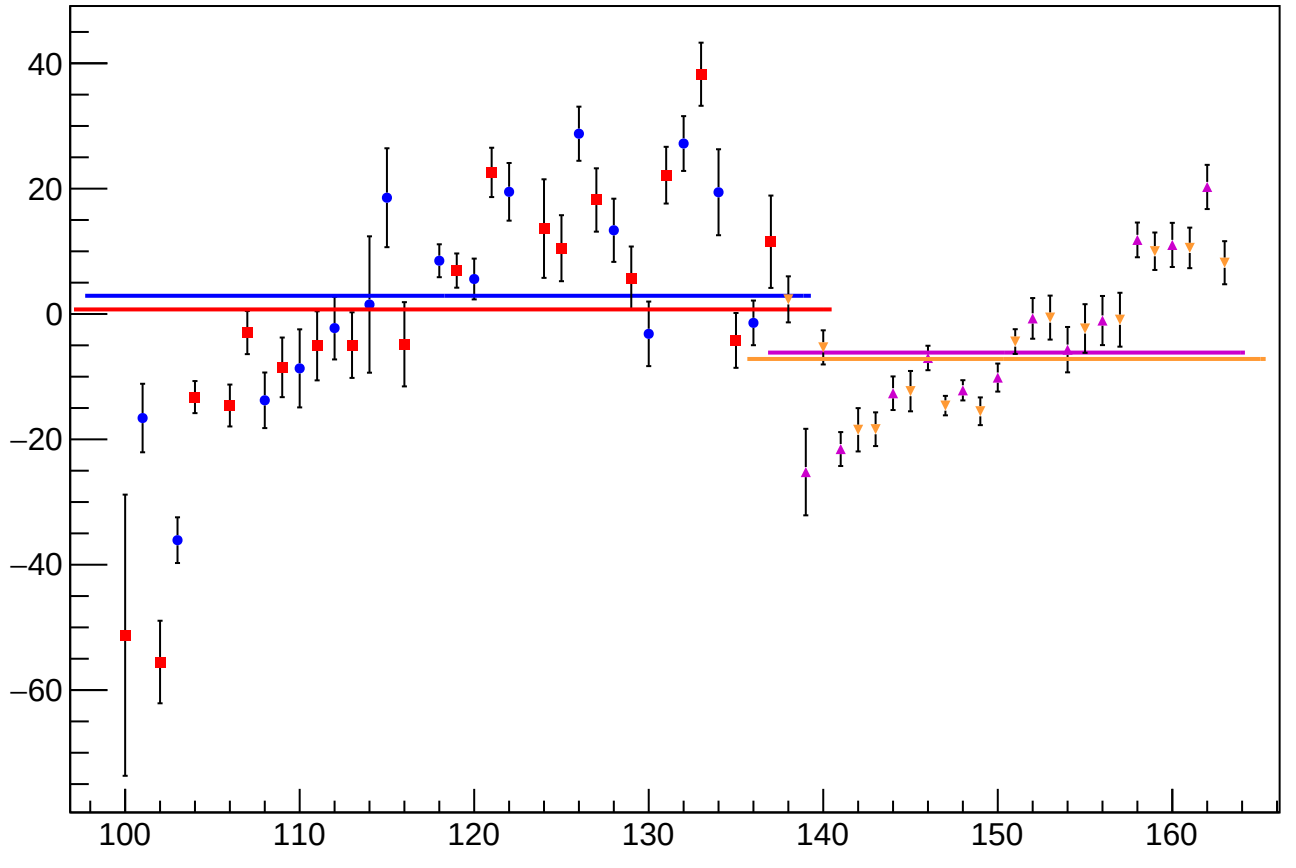
Left: 200.692+/-0.808 χ^2/NDF: 538.1/25

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 190.692+/-0.799 χ^2/NDF:2077.5/27

Out: 179.245+/-0.744 χ^2/NDF:3350.8/32

All: 184.559+/-0.544 χ^2/NDF: 5538.4/60



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -7.173+/-0.726 χ^2/NDF:167.2/13

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -6.156+/-0.774 χ^2/NDF:189.7/11

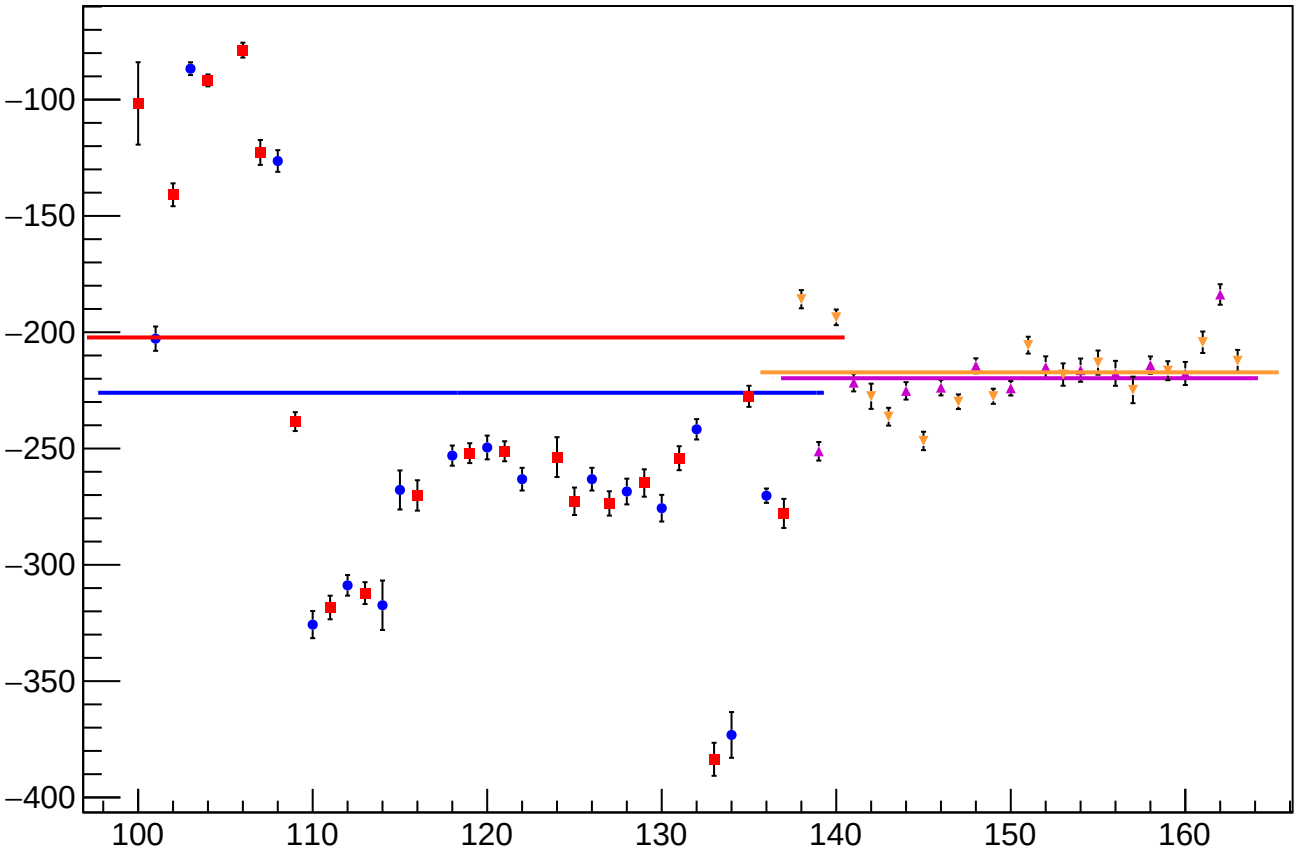
Left: -6.697+/-0.529 χ^2/NDF: 357.8/25

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -3.173+/-0.634 χ^2/NDF:482.3/27

Out: -4.489+/-0.590 χ^2/NDF:481.1/32

All: -3.878+/-0.432 χ^2/NDF: 965.7/60



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -217.240+/-1.082 χ^2/NDF:245.7/13

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -219.773+/-1.134 χ^2/NDF:141.3/11

Left: -218.447+/-0.783 χ^2/NDF: 389.6/25

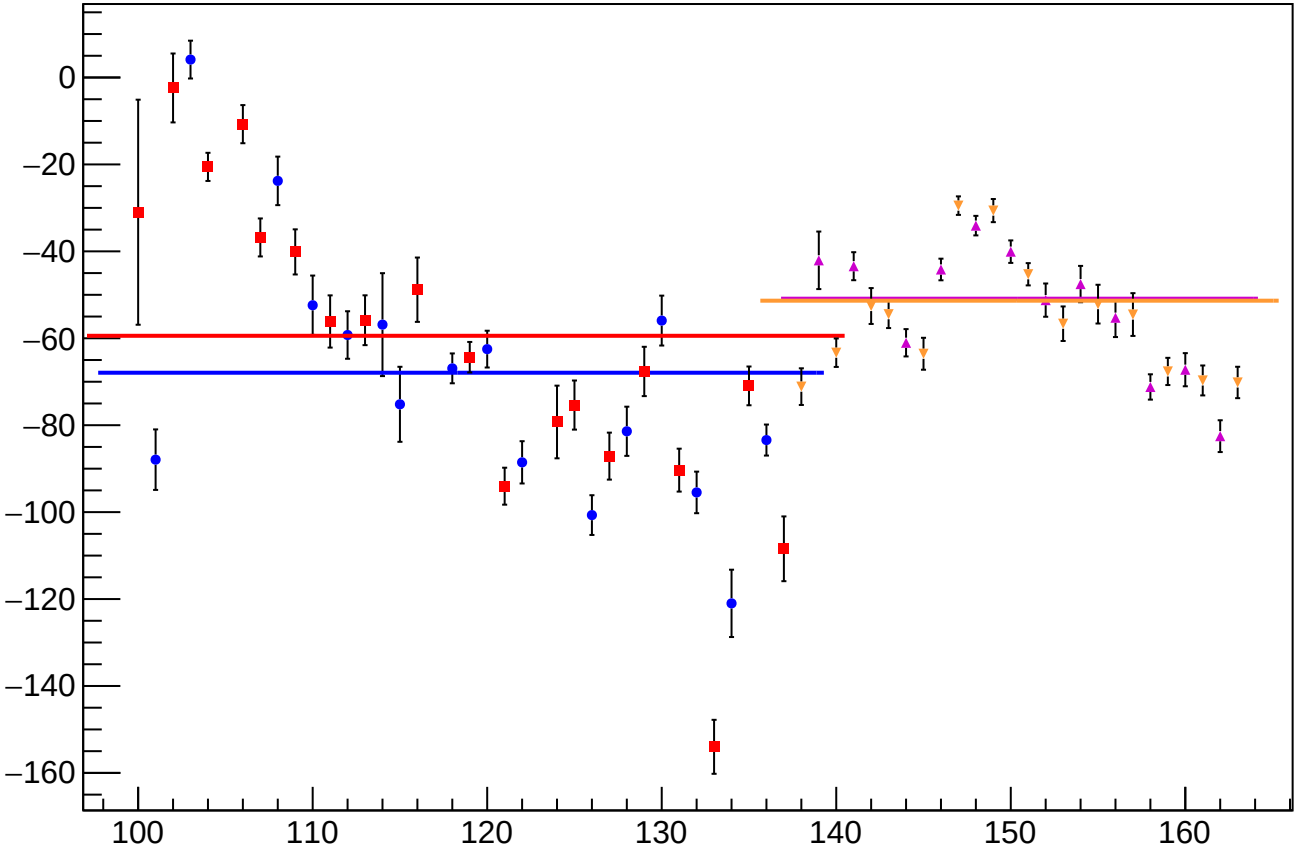
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -222.789+/-0.816 χ^2/NDF:4695.0/27

Out: -209.780+/-0.767 χ^2/NDF:7032.1/32

All: -215.881+/-0.559 χ^2/NDF: 11862.0/60

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -51.351+/-0.873 χ^2/NDF:303.9/13

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -50.891+/-0.926 χ^2/NDF:241.6/11

Left: -51.135+/-0.635 χ^2/NDF: 545.6/25

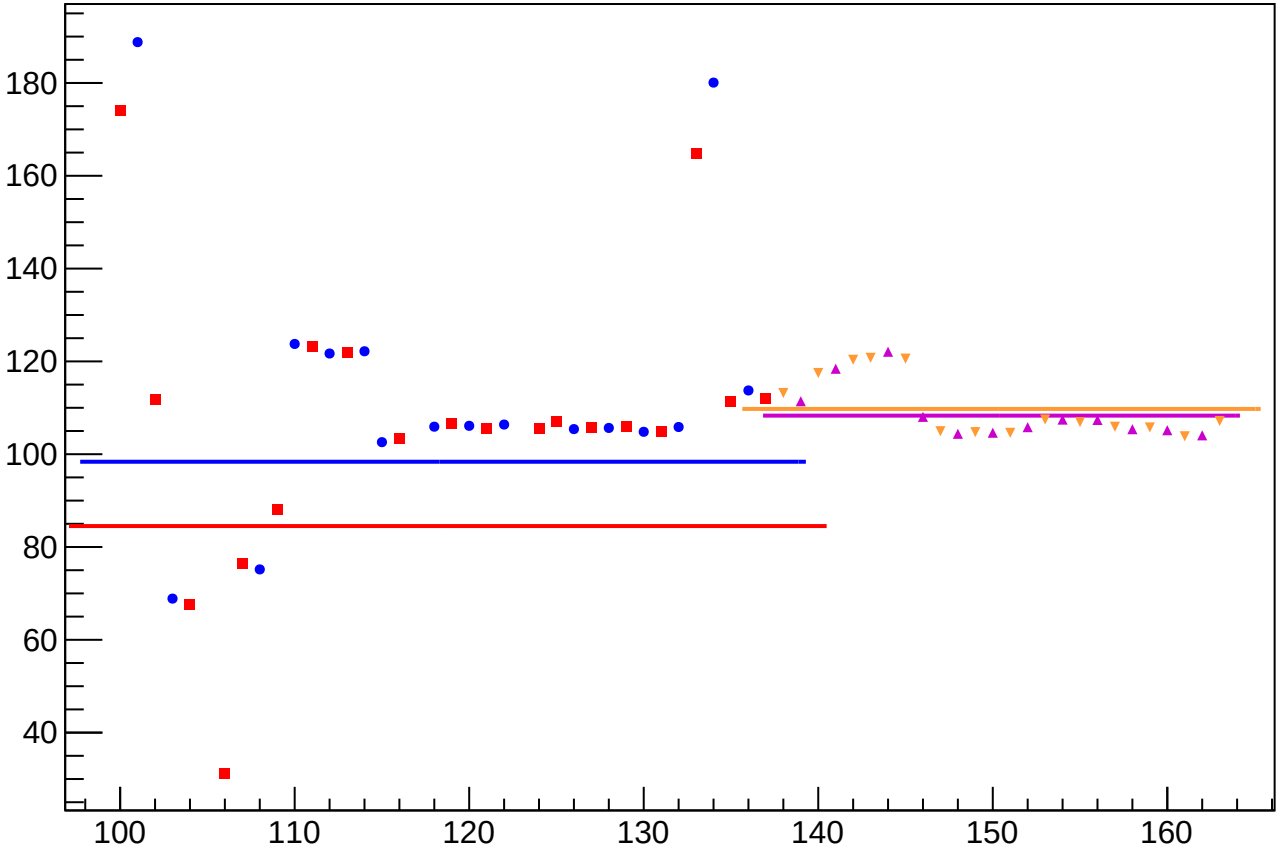
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -56.754+/-0.750 χ^2/NDF:892.2/27

Out: -54.195+/-0.703 χ^2/NDF:1128.9/32

All: -55.391+/-0.513 χ^2/NDF: 2027.3/60

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: 109.758+/-0.042 χ^2/NDF:21972.1/13

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 108.315+/-0.043 χ^2/NDF:14978.8/11

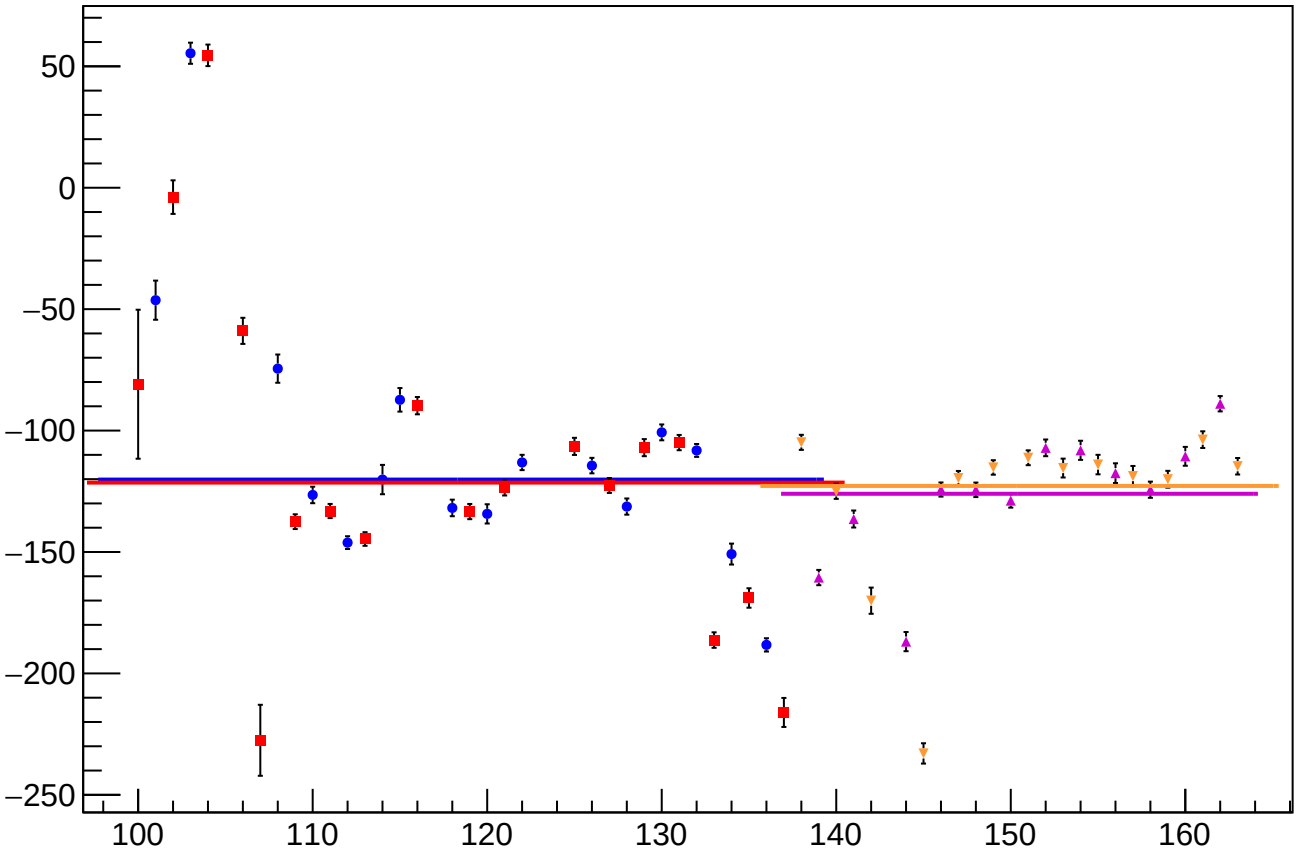
Left: 109.056+/-0.030 χ^2/NDF: 37517.5/25

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.313+/-0.036 χ^2/NDF:259203.9/27

Out: 101.494+/-0.035 χ^2/NDF:407514.2/32

All: 103.317+/-0.025 χ^2/NDF: 672505.3/60



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -122.791+/-0.965 χ^2/NDF:871.6/12

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -126.023+/-0.970 χ^2/NDF:577.4/11

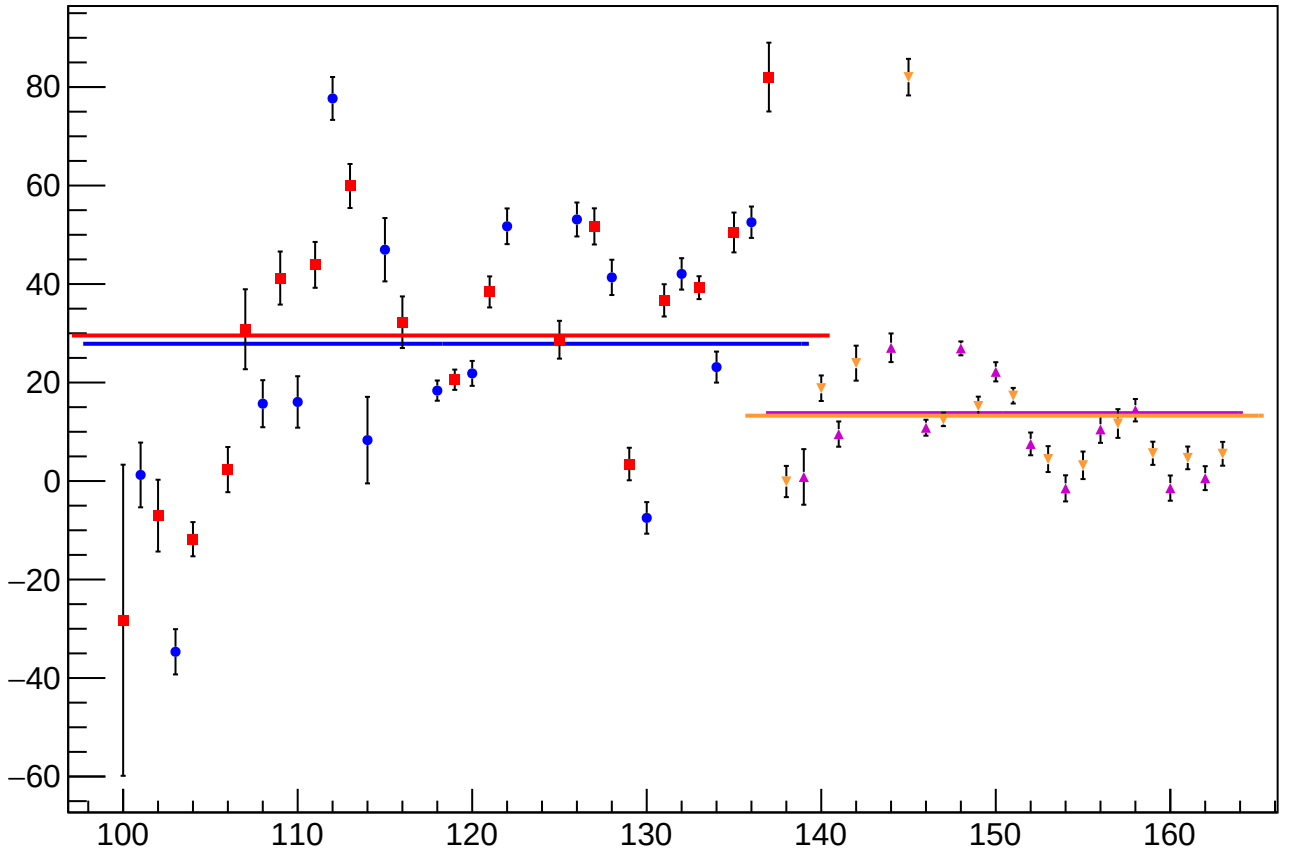
Left: -124.399+/-0.684 χ^2/NDF: 1454.6/24

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -122.850+/-0.656 χ^2/NDF:3288.3/27

Out: -122.038+/-0.648 χ^2/NDF:3999.0/30

All: -122.439+/-0.461 χ^2/NDF: 7288.1/58



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 13.271+/-0.626 χ^2/NDF:441.1/12

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.789+/-0.642 χ^2/NDF:244.6/11

Left: 13.524+/-0.448 χ^2/NDF: 685.9/24

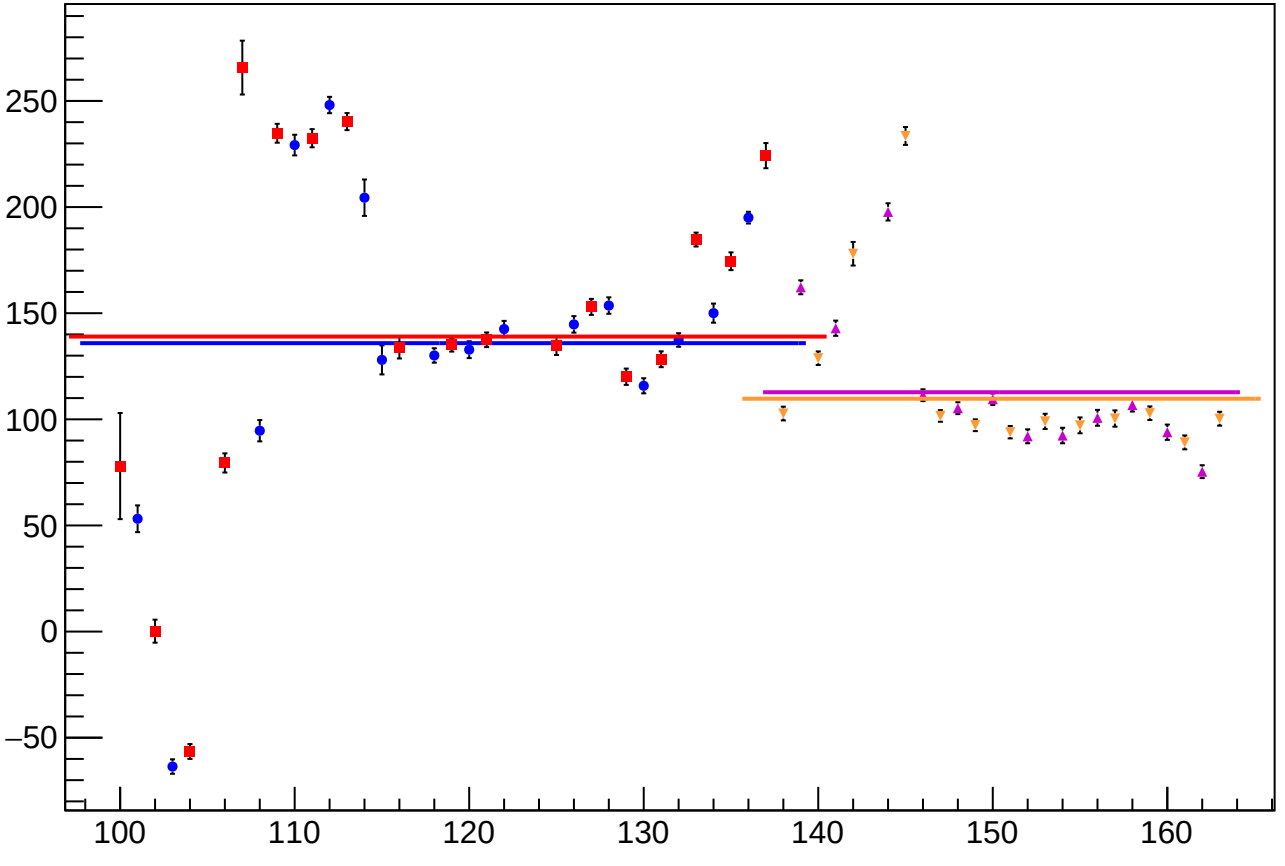
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 18.621+/-0.520 χ^2/NDF:1109.3/27

Out: 18.667+/-0.512 χ^2/NDF:1162.5/30

All: 18.645+/-0.365 χ^2/NDF: 2271.8/58

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: 109.706+/-0.928 χ^2/NDF:1188.1/12

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 112.760+/-0.931 χ^2/NDF:1007.6/11

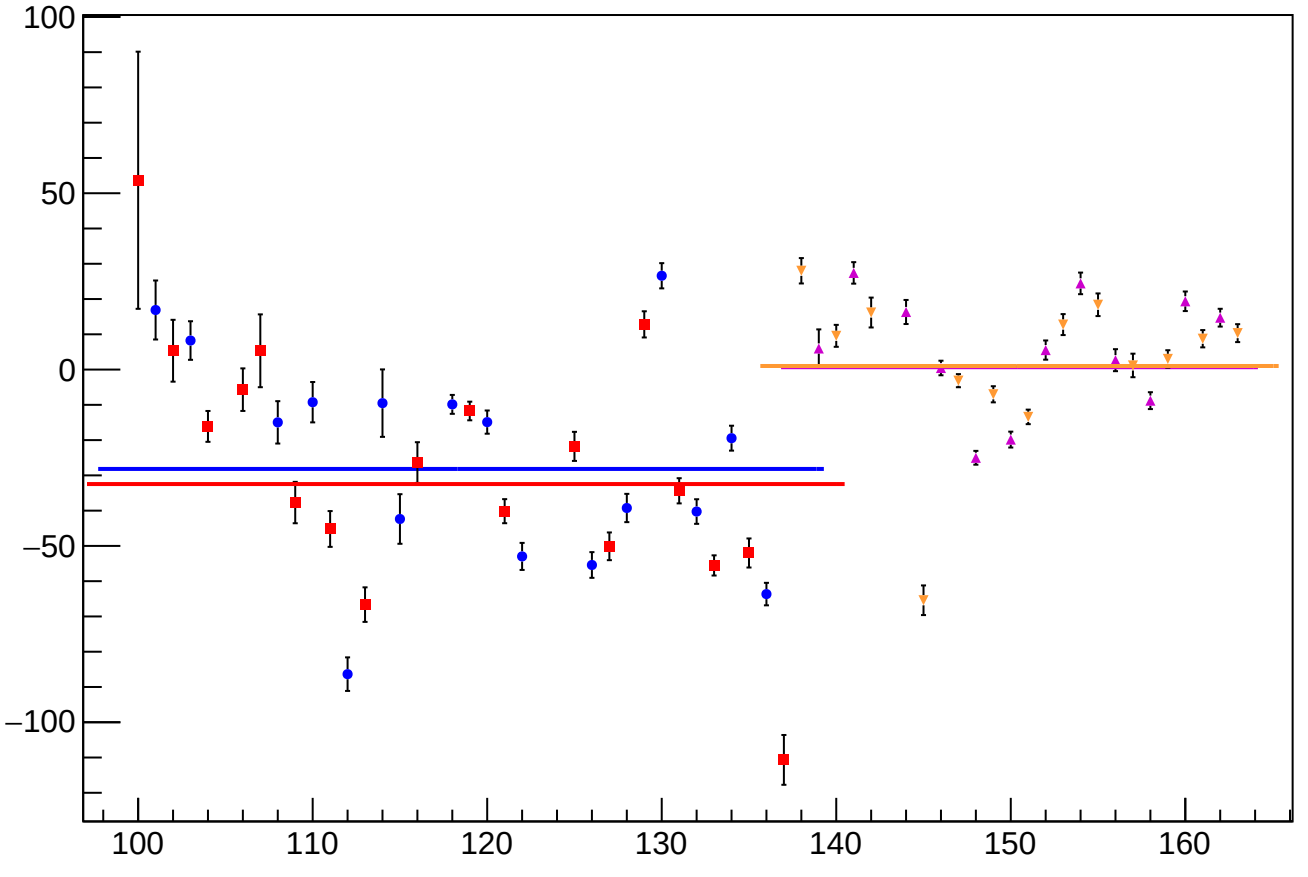
Left: 111.229+/-0.657 χ^2/NDF: 2201.1/24

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 123.509+/-0.681 χ^2/NDF:6758.2/27

Out: 123.280+/-0.680 χ^2/NDF:7805.9/30

All: 123.394+/-0.481 χ^2/NDF: 14564.2/58



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.015+/-0.746 χ^2/NDF:461.7/12

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.670+/-0.761 χ^2/NDF:509.7/11

Left: 0.846+/-0.533 χ^2/NDF: 971.5/24

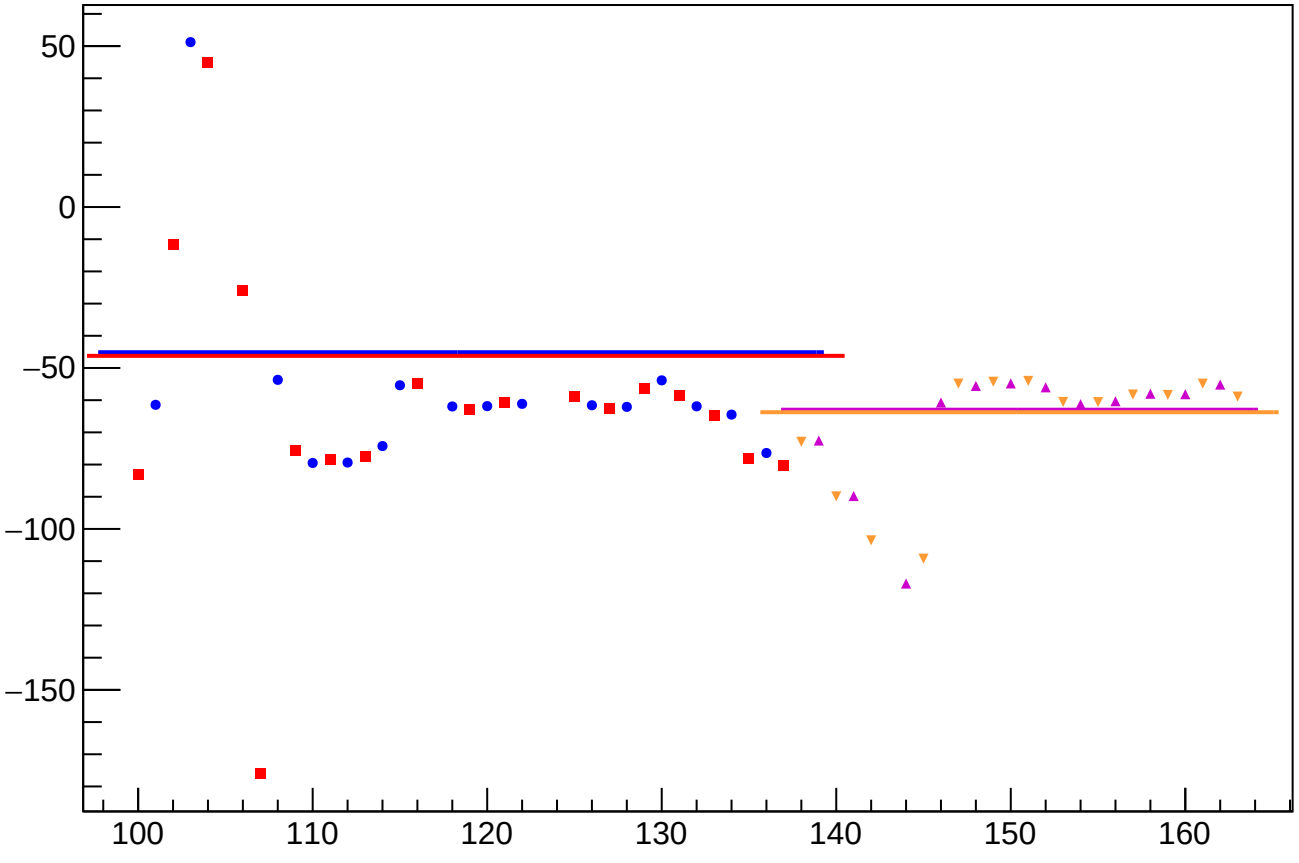
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -9.621+/-0.611 χ^2/NDF:1813.1/27

Out: -10.550+/-0.604 χ^2/NDF:1737.4/30

All: -10.091+/-0.429 χ^2/NDF: 3551.6/58

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: -63.740+/-0.035 χ^2/NDF:176316.8/12

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -62.961+/-0.035 χ^2/NDF:150165.5/11

Left: -63.347+/-0.025 χ^2/NDF: 326728.6/24

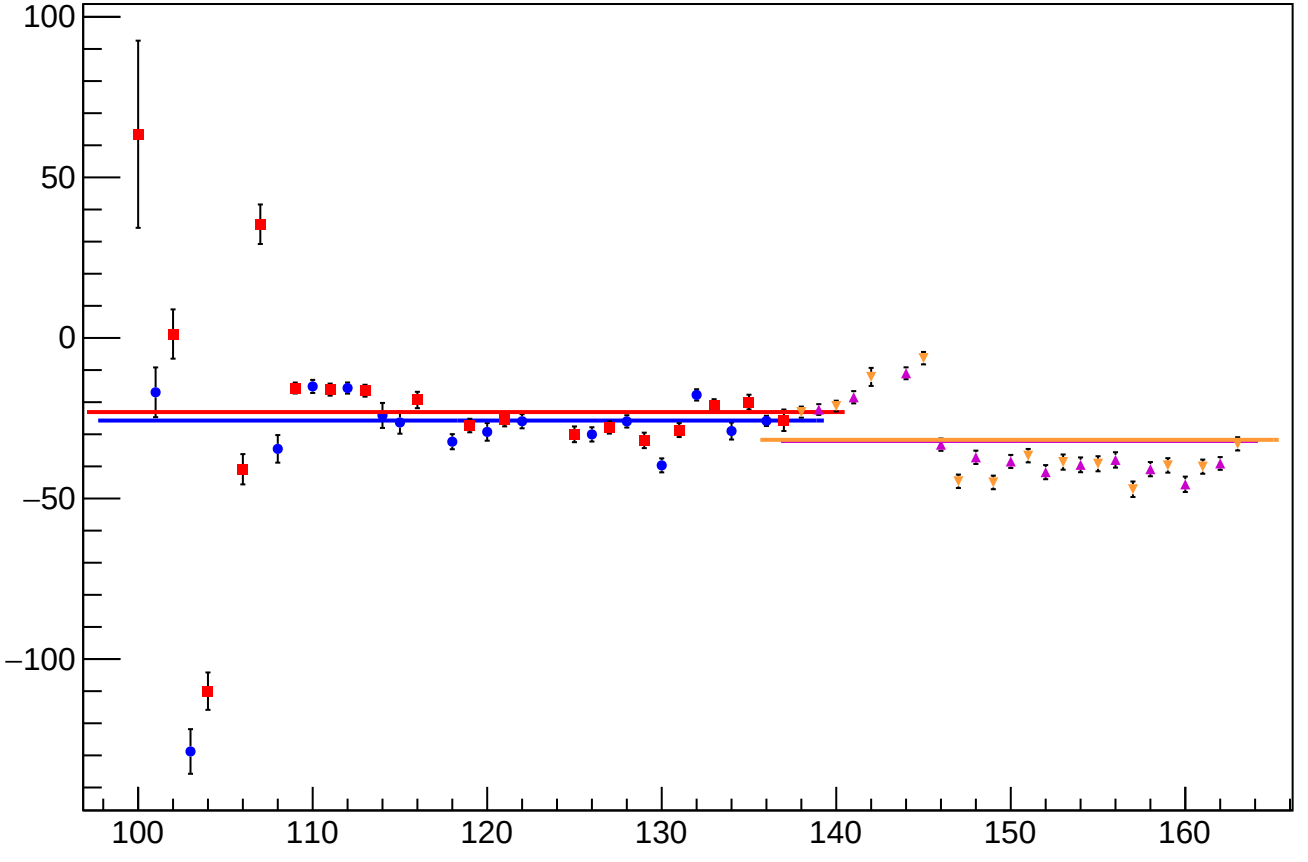
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.444+/-0.030 χ^2/NDF:791208.2/27

Out: -59.518+/-0.031 χ^2/NDF:729343.9/30

All: -58.973+/-0.022 χ^2/NDF: 1521172.8/58

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: -31.722+/-0.585 χ^2/NDF:453.4/12

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.079+/-0.591 χ^2/NDF:325.8/11

Left: -31.899+/-0.416 χ^2/NDF: 779.4/24

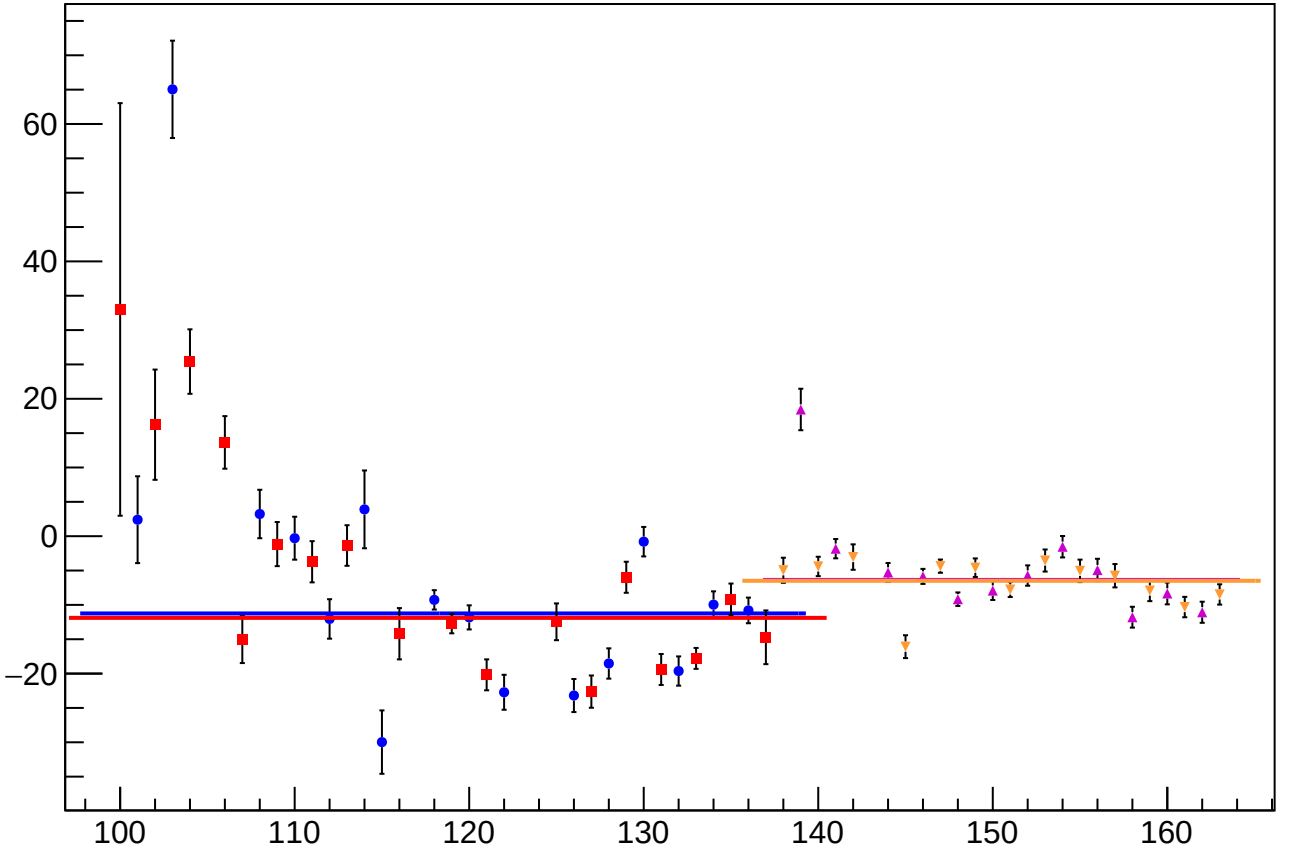
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -28.896+/-0.418 χ^2/NDF:746.7/27

Out: -27.379+/-0.412 χ^2/NDF:1000.3/30

All: -28.128+/-0.293 χ^2/NDF: 1753.7/58

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.492+/-0.396 χ^2/NDF:61.5/12

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.367+/-0.407 χ^2/NDF:122.6/11

Left: -6.431+/-0.284 χ^2/NDF: 184.1/24

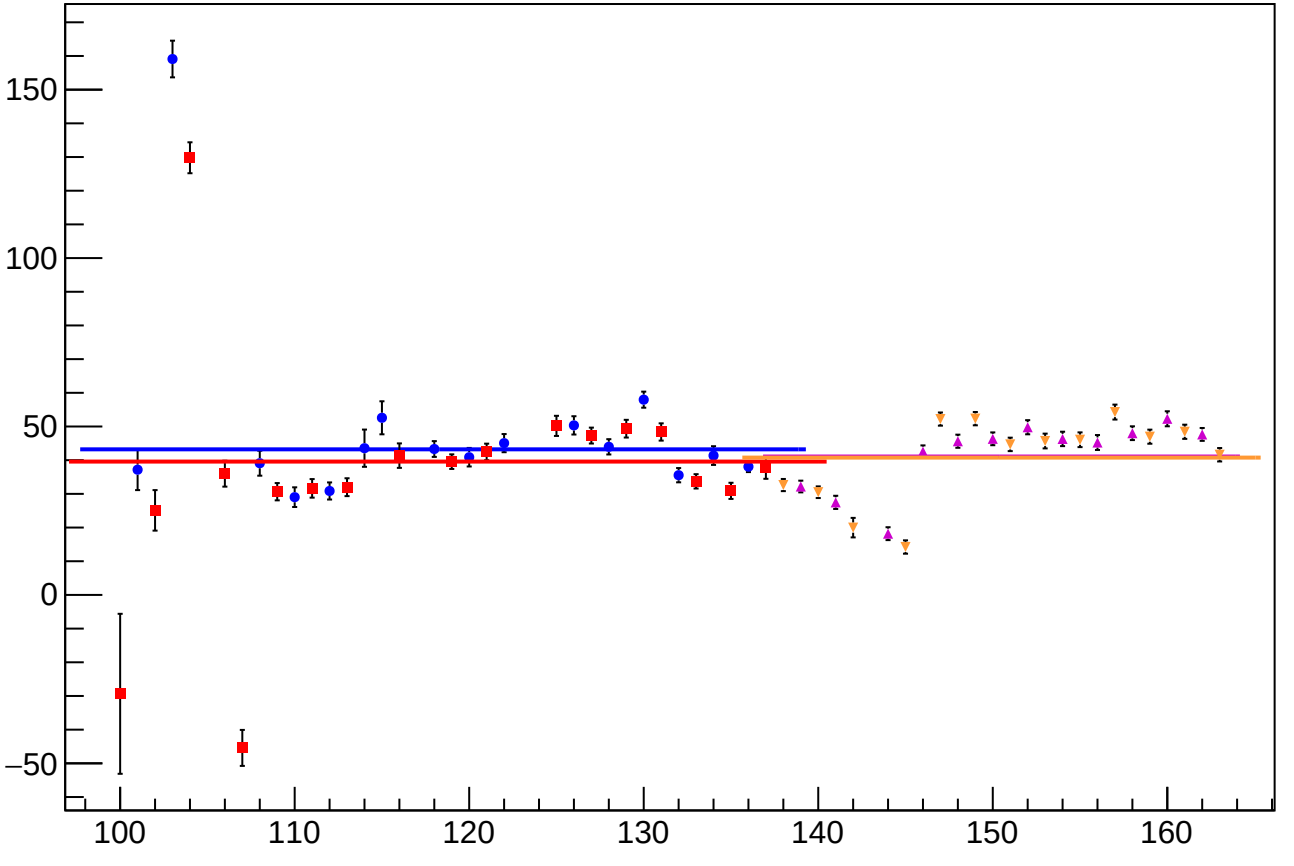
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.904+/-0.337 χ^2/NDF:439.0/27

Out: -8.106+/-0.332 χ^2/NDF:341.4/30

All: -8.007+/-0.236 χ^2/NDF: 780.5/58

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 40.767+/-0.567 χ^2/NDF:429.5/12

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.087+/-0.572 χ^2/NDF:306.6/11

Left: 40.926+/-0.403 χ^2/NDF: 736.3/24

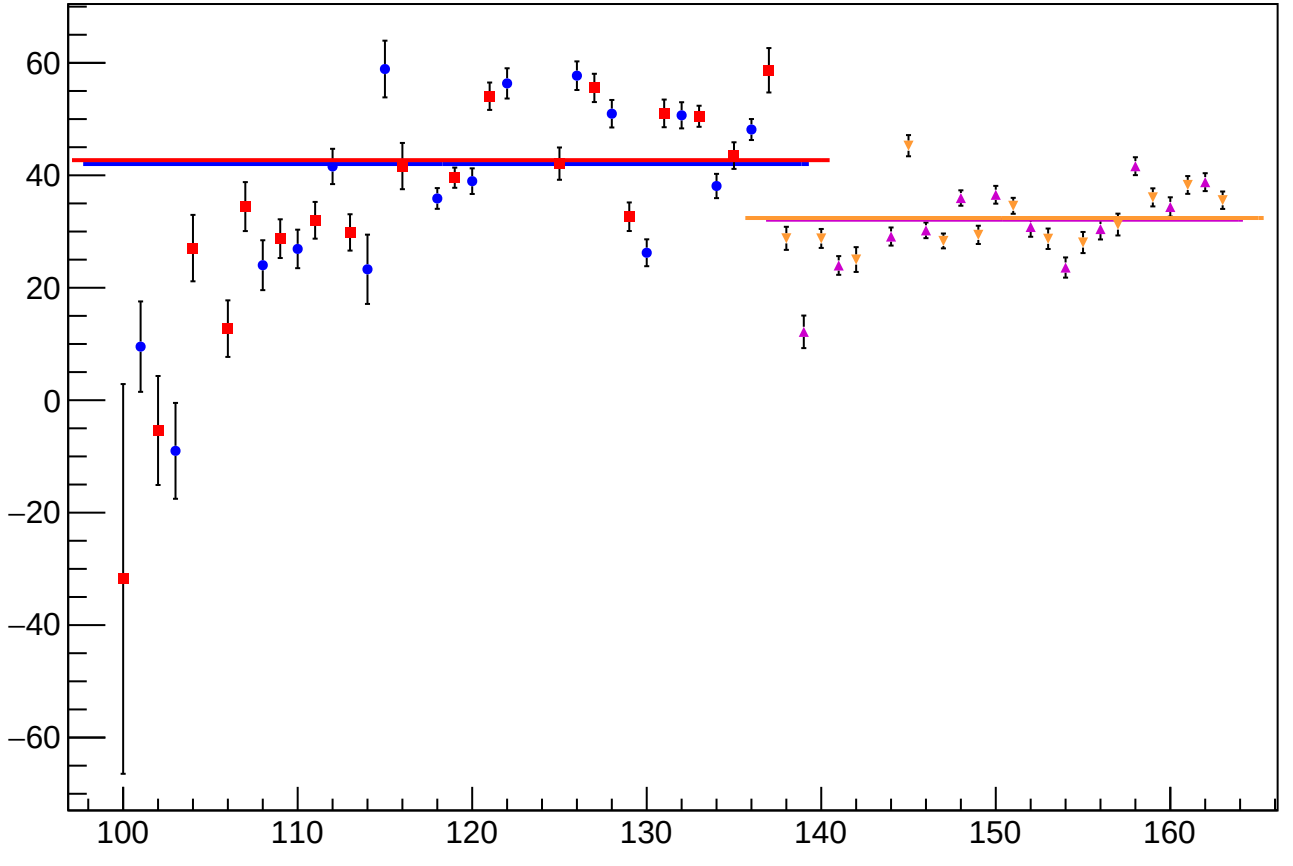
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 41.973+/-0.437 χ^2/NDF:888.4/27

Out: 40.287+/-0.437 χ^2/NDF:1185.2/30

All: 41.130+/-0.309 χ^2/NDF: 2081.1/58

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.406+/-0.467 χ^2/NDF:113.9/12

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.103+/-0.478 χ^2/NDF:171.3/11

Left: 32.258+/-0.334 χ^2/NDF: 285.4/24

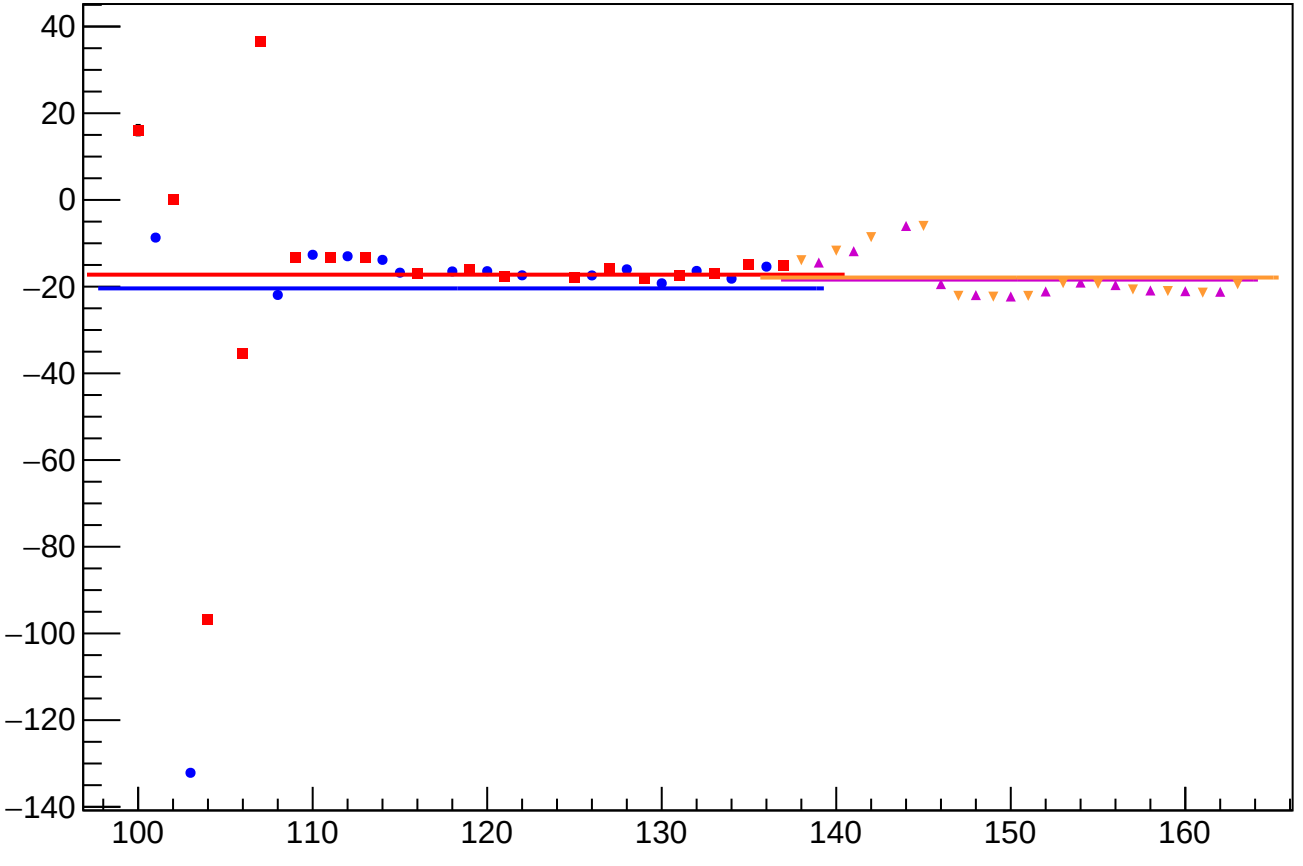
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.356+/-0.392 χ^2/NDF:584.9/27

Out: 35.610+/-0.388 χ^2/NDF:495.3/30

All: 35.484+/-0.276 χ^2/NDF: 1080.4/58

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -17.901+/-0.021 χ^2/NDF:54006.8/12

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -18.375+/-0.021 χ^2/NDF:42222.8/11

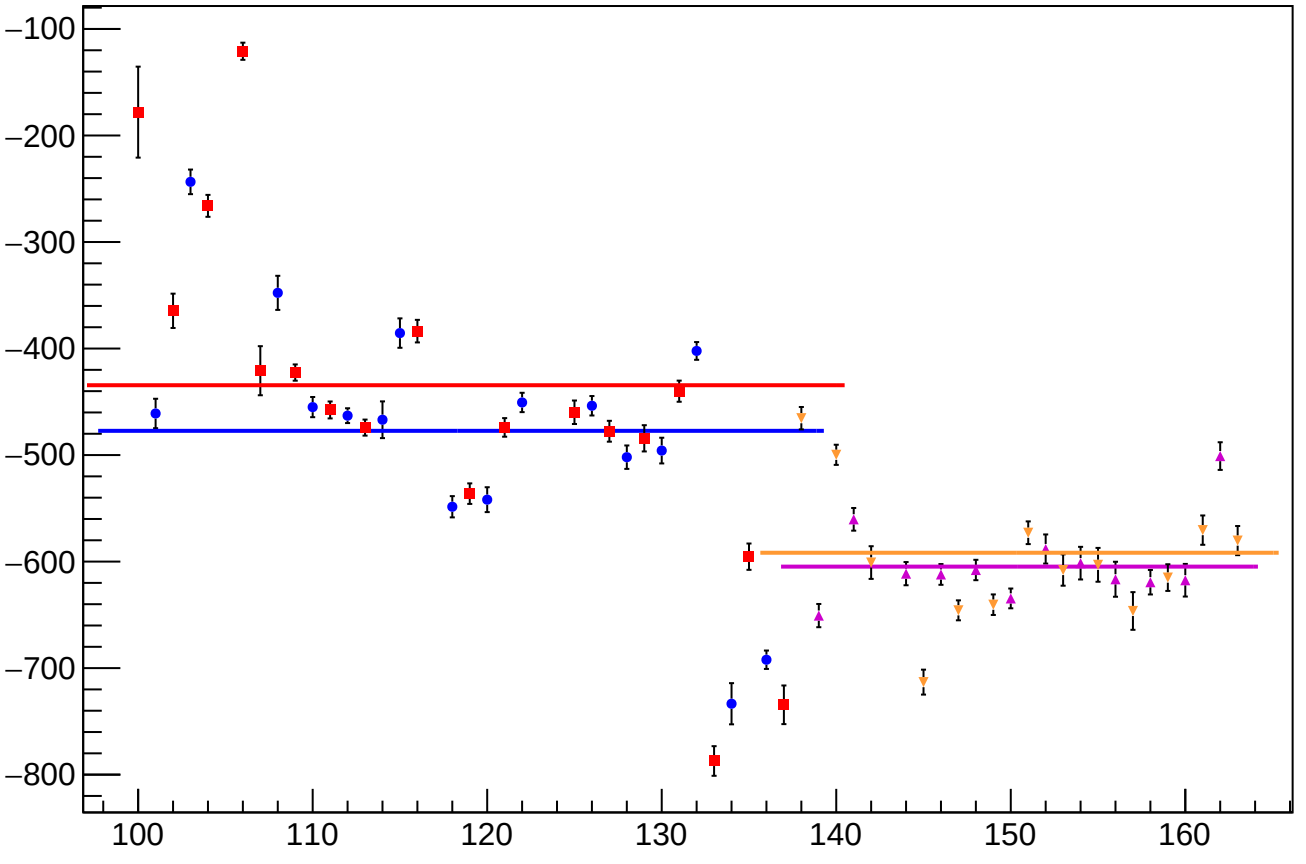
Left: -18.138+/-0.015 χ^2/NDF: 96473.2/24

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -18.797+/-0.019 χ^2/NDF:289692.9/27

Out: -17.773+/-0.019 χ^2/NDF:258847.8/30

All: -18.290+/-0.014 χ^2/NDF: 549961.1/58



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -591.696+/-3.306 χ^2/NDF:426.5/12

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -604.721+/-3.337 χ^2/NDF:114.8/11

Left: -598.148+/-2.349 χ^2/NDF: 548.9/24

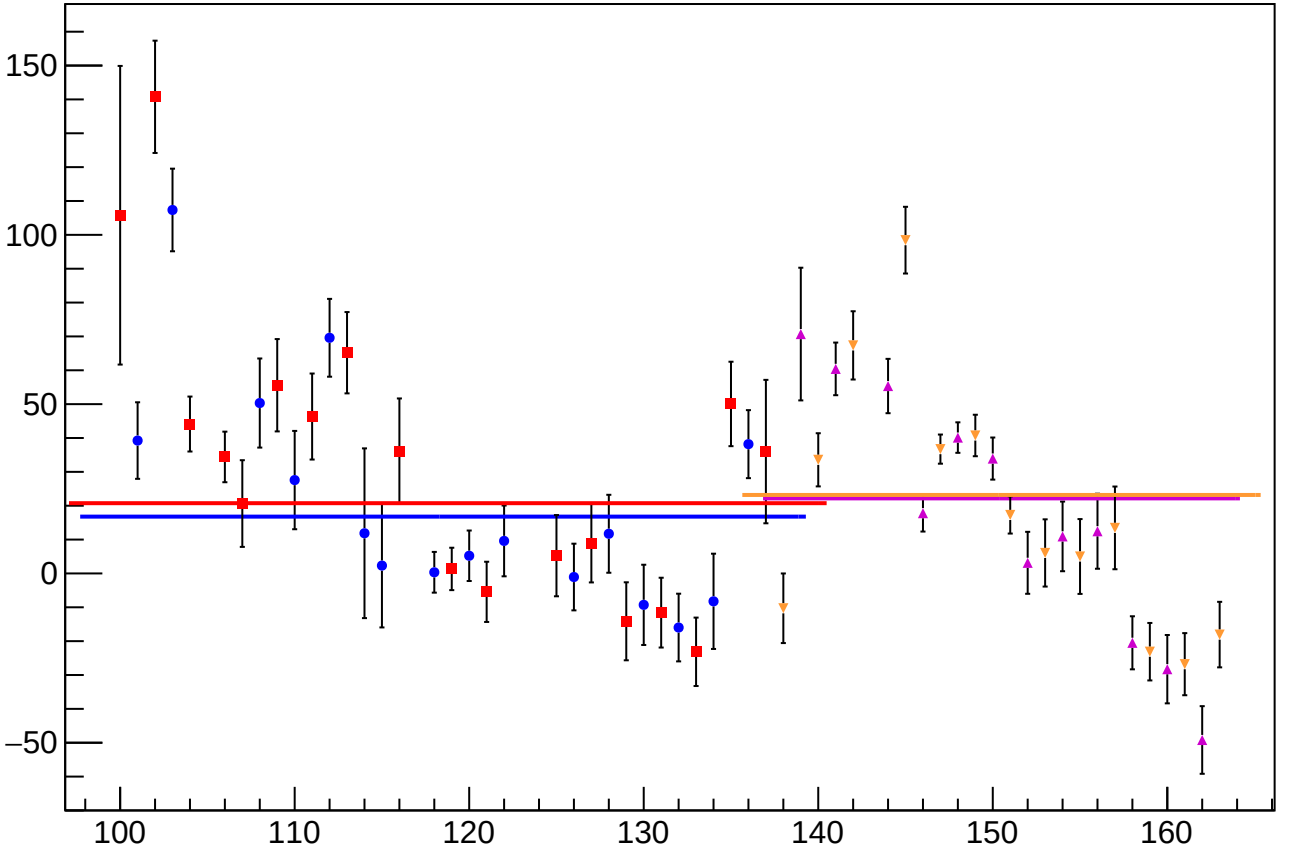
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -526.166+/-2.067 χ^2/NDF:2524.8/27

Out: -490.590+/-1.976 χ^2/NDF:5043.0/30

All: -507.573+/-1.428 χ^2/NDF: 7722.6/58

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 23.178+/-2.127 χ^2/NDF:193.1/12

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 22.165+/-2.185 χ^2/NDF:179.5/11

Left: 22.685+/-1.524 χ^2/NDF: 372.7/24

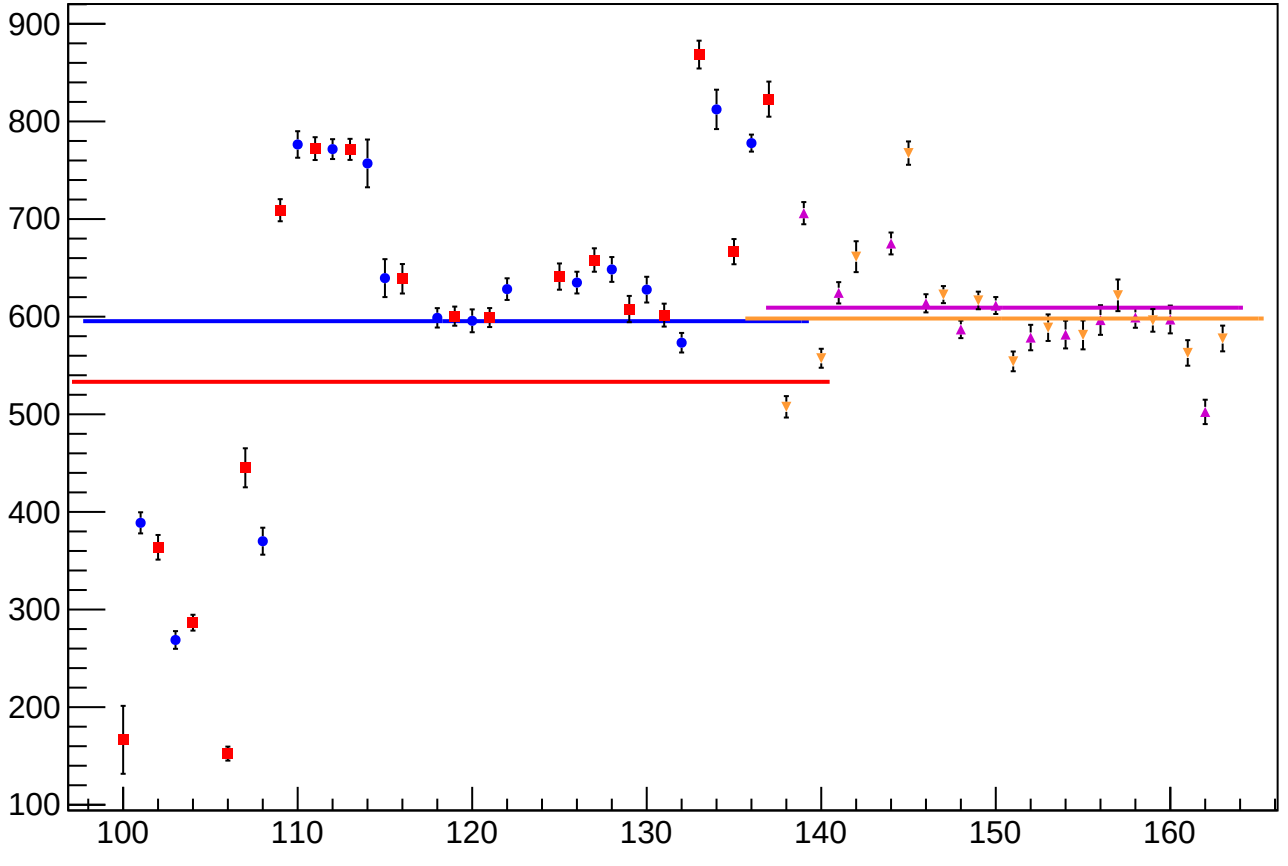
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 19.989+/-1.687 χ^2/NDF:306.9/27

Out: 22.181+/-1.633 χ^2/NDF:351.6/30

All: 21.121+/-1.173 χ^2/NDF: 659.3/58

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: 598.119+/-3.197 χ^2/NDF:346.6/12

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 609.209+/-3.214 χ^2/NDF:200.1/11

Left: 603.634+/-2.266 χ^2/NDF: 552.7/24

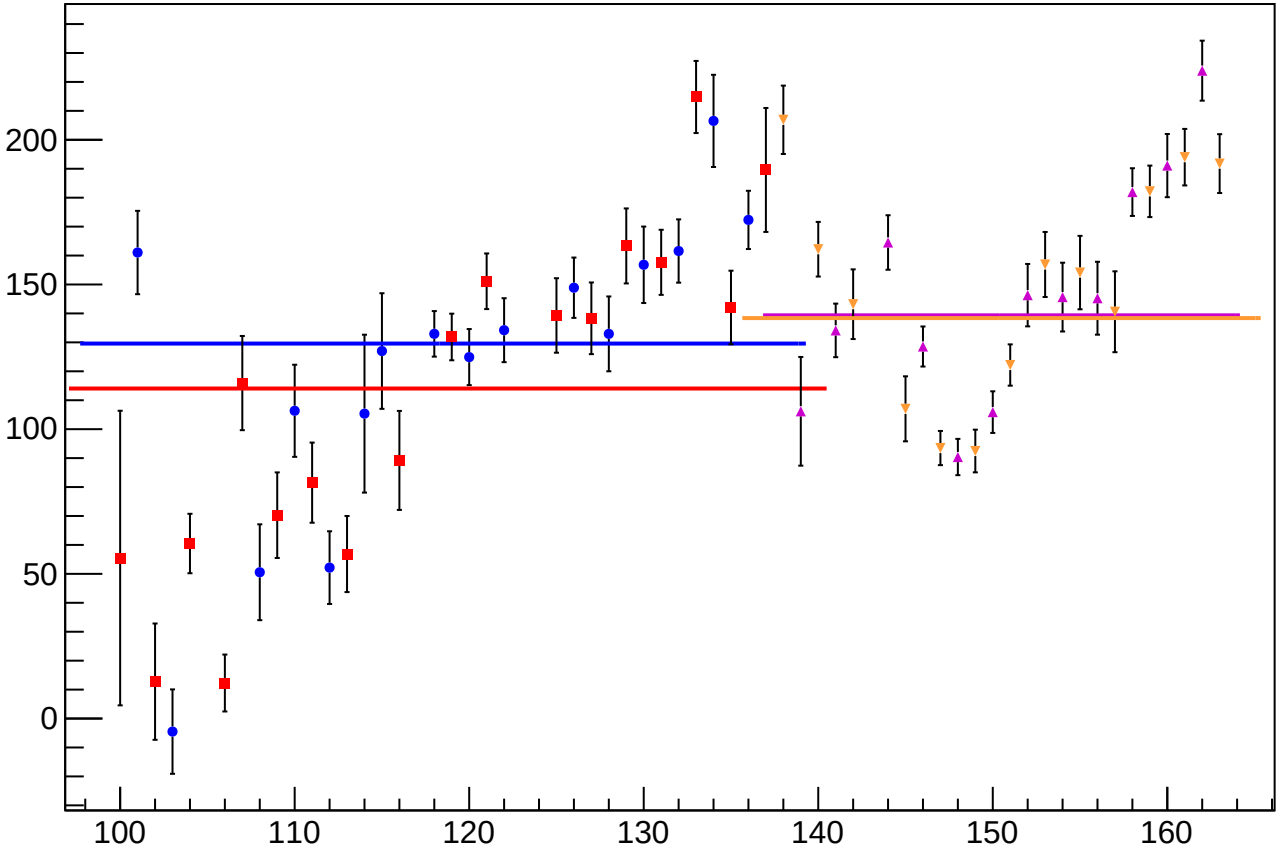
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 601.670+/-2.165 χ^2/NDF:3269.9/27

Out: 560.813+/-2.083 χ^2/NDF:7086.2/30

All: 580.452+/-1.501 χ^2/NDF: 10541.0/58

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: 138.394+/-2.566 χ^2/NDF:238.2/12

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 139.343+/-2.619 χ^2/NDF:212.2/11

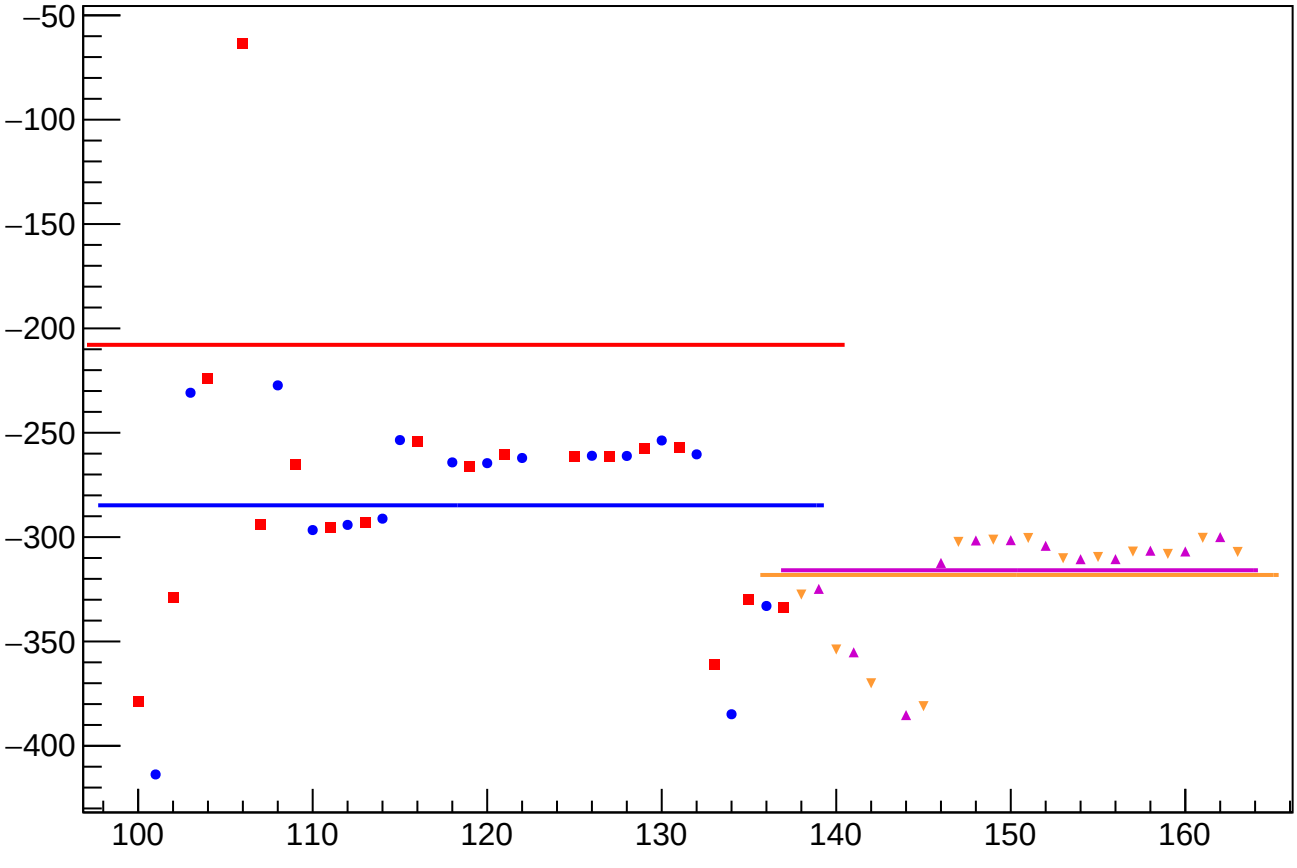
Left: 138.859+/-1.833 χ^2/NDF: 450.5/24

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 135.250+/-1.995 χ^2/NDF:429.3/27

Out: 128.014+/-1.943 χ^2/NDF:612.5/30

All: 131.536+/-1.392 χ^2/NDF: 1048.6/58



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -318.132+/-0.124 χ^2/NDF:40491.7/12

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -315.874+/-0.123 χ^2/NDF:33563.2/11

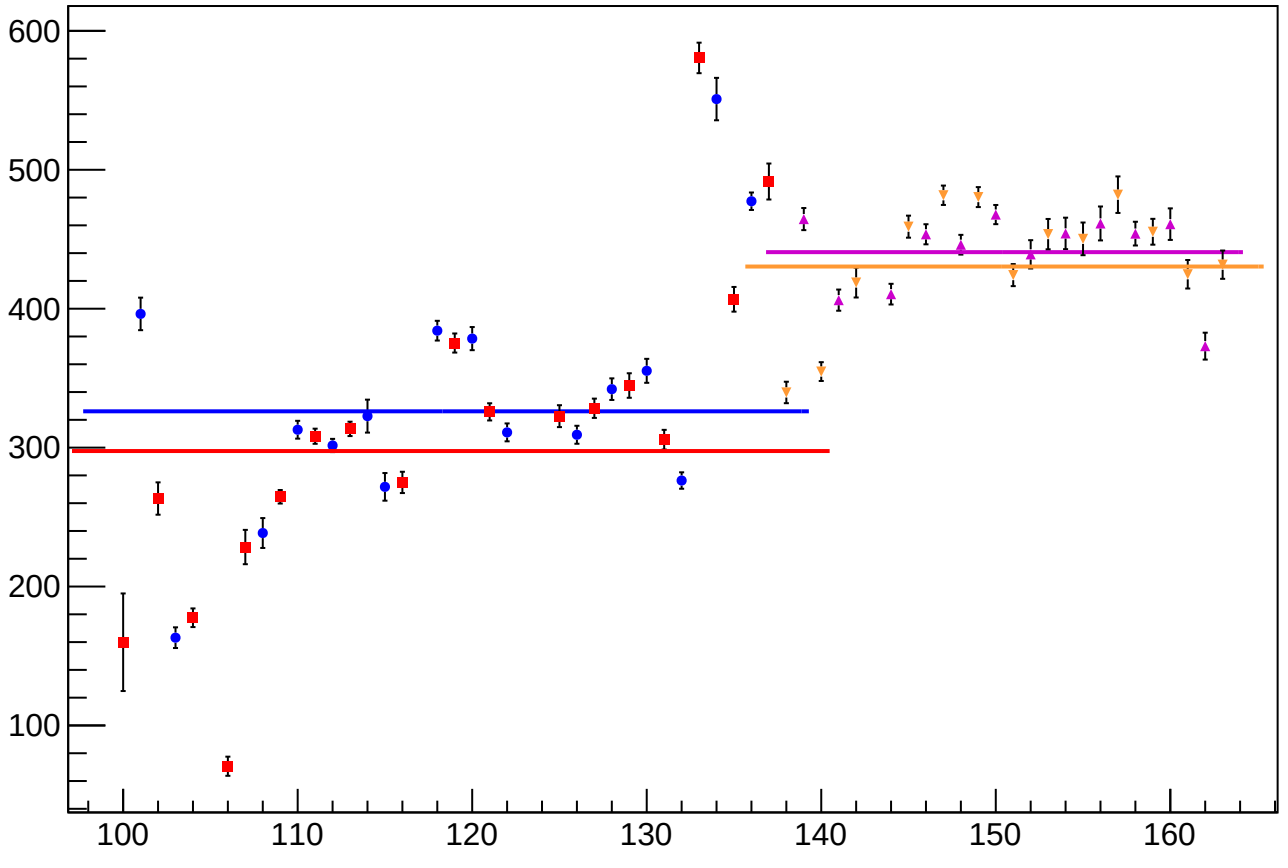
Left: -316.990+/-0.087 χ^2/NDF: 74221.4/24

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.778+/-0.101 χ^2/NDF:158669.2/27

Out: -272.778+/-0.095 χ^2/NDF:900216.3/30

All: -288.324+/-0.069 χ^2/NDF: 1115182.0/58



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 430.355+/-2.418 χ^2/NDF:410.3/12

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 440.715+/-2.445 χ^2/NDF:123.8/11

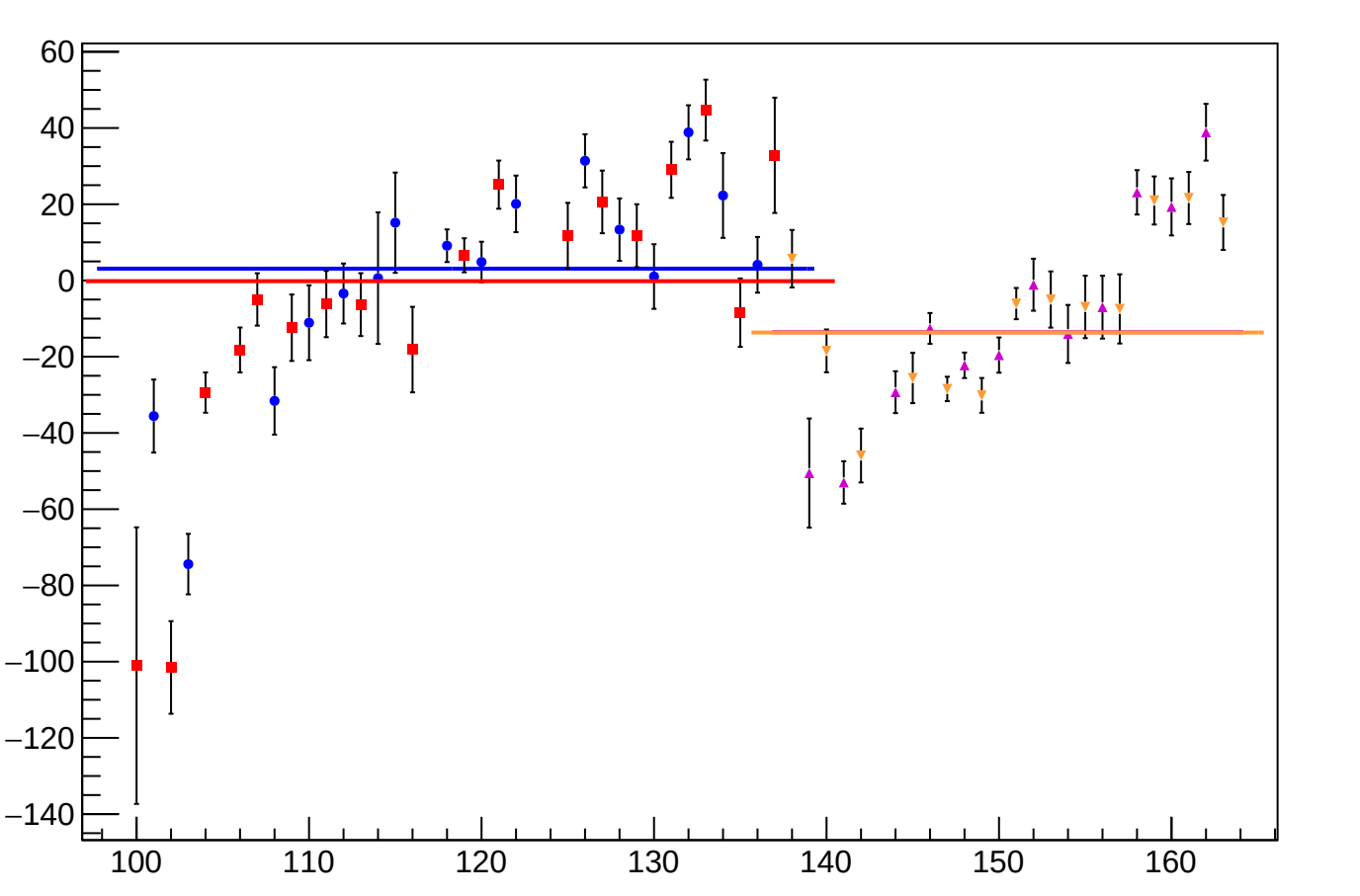
Left: 435.478+/-1.719 χ^2/NDF: 543.2/24

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.037+/-1.479 χ^2/NDF:3159.4/27

Out: 342.658+/-1.409 χ^2/NDF:5177.4/30

All: 354.739+/-1.020 χ^2/NDF: 8491.2/58



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -13.644+/-1.564 χ^2/NDF:144.7/12

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -13.570+/-1.608 χ^2/NDF:186.1/11

Left: -13.608+/-1.121 χ^2/NDF: 330.8/24

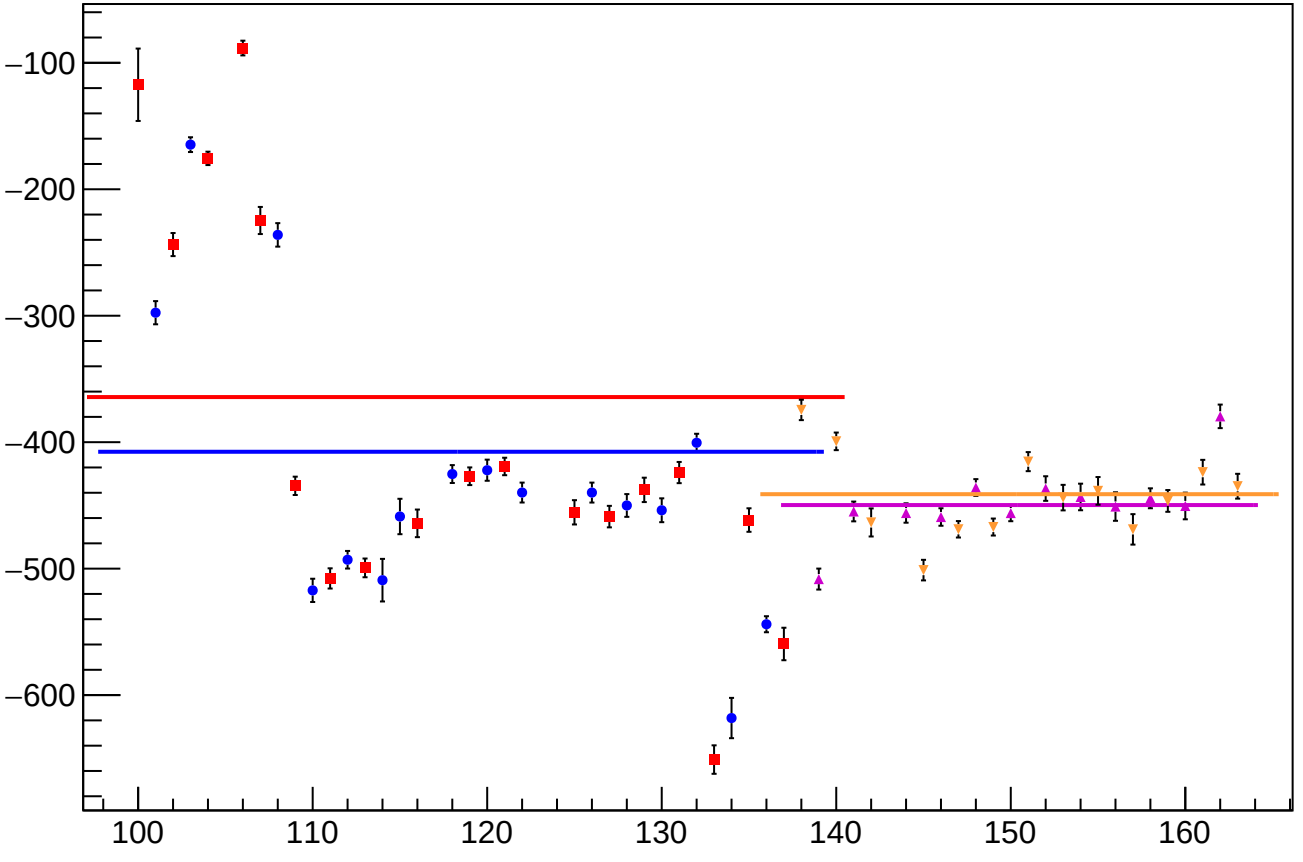
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -6.578+/-1.225 χ^2/NDF:415.7/27

Out: -7.818+/-1.178 χ^2/NDF:382.0/30

All: -7.222+/-0.849 χ^2/NDF: 798.2/58

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -441.127+/-2.343 χ^2/NDF:217.2/12

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -449.723+/-2.359 χ^2/NDF:117.5/11

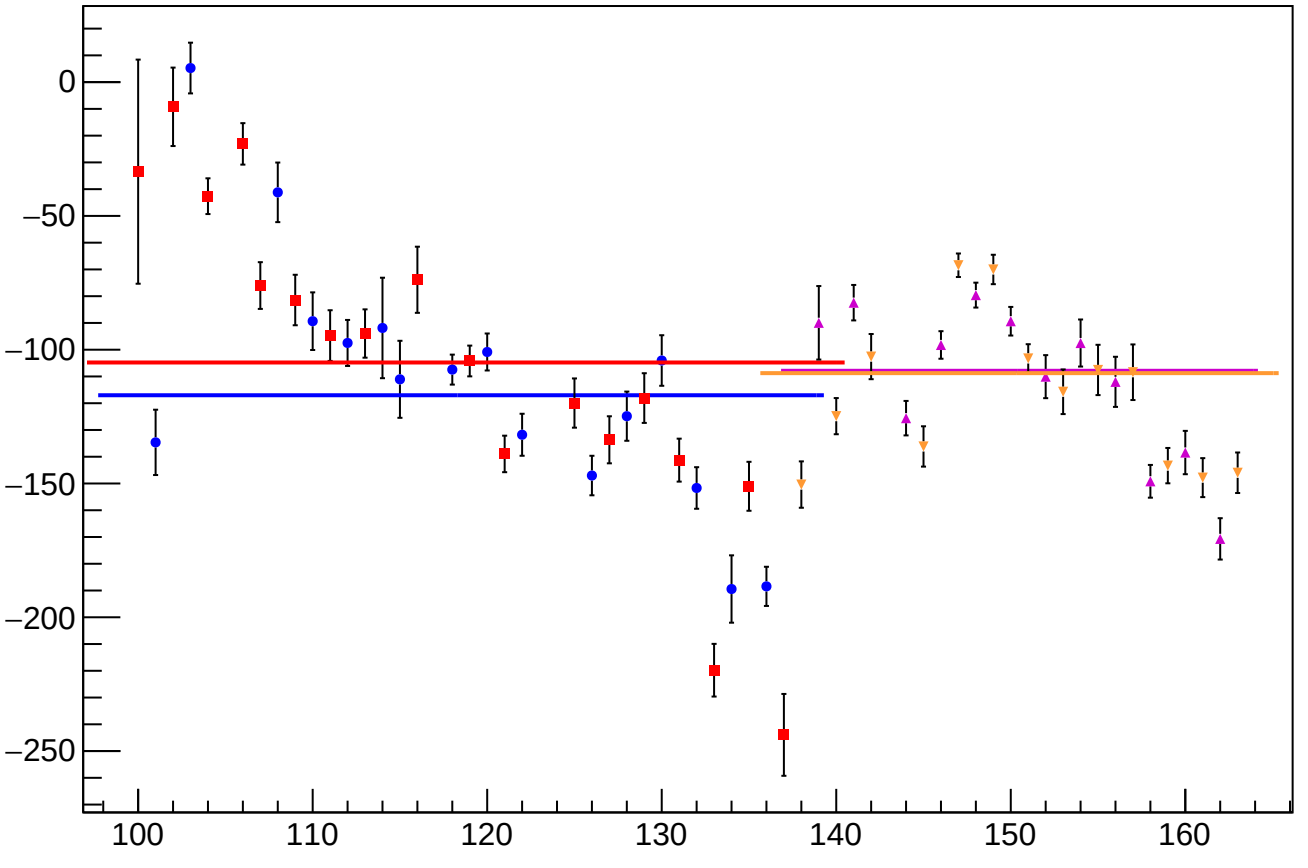
Left: -445.396+/-1.663 χ^2/NDF: 341.5/24

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.945+/-1.558 χ^2/NDF:3578.1/27

Out: -395.603+/-1.495 χ^2/NDF:7074.4/30

All: -410.157+/-1.079 χ^2/NDF: 10850.0/58



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -108.759+/-1.886 χ^2/NDF:258.4/12

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -107.884+/-1.926 χ^2/NDF:204.0/11

Left: -108.331+/-1.348 χ^2/NDF: 462.5/24

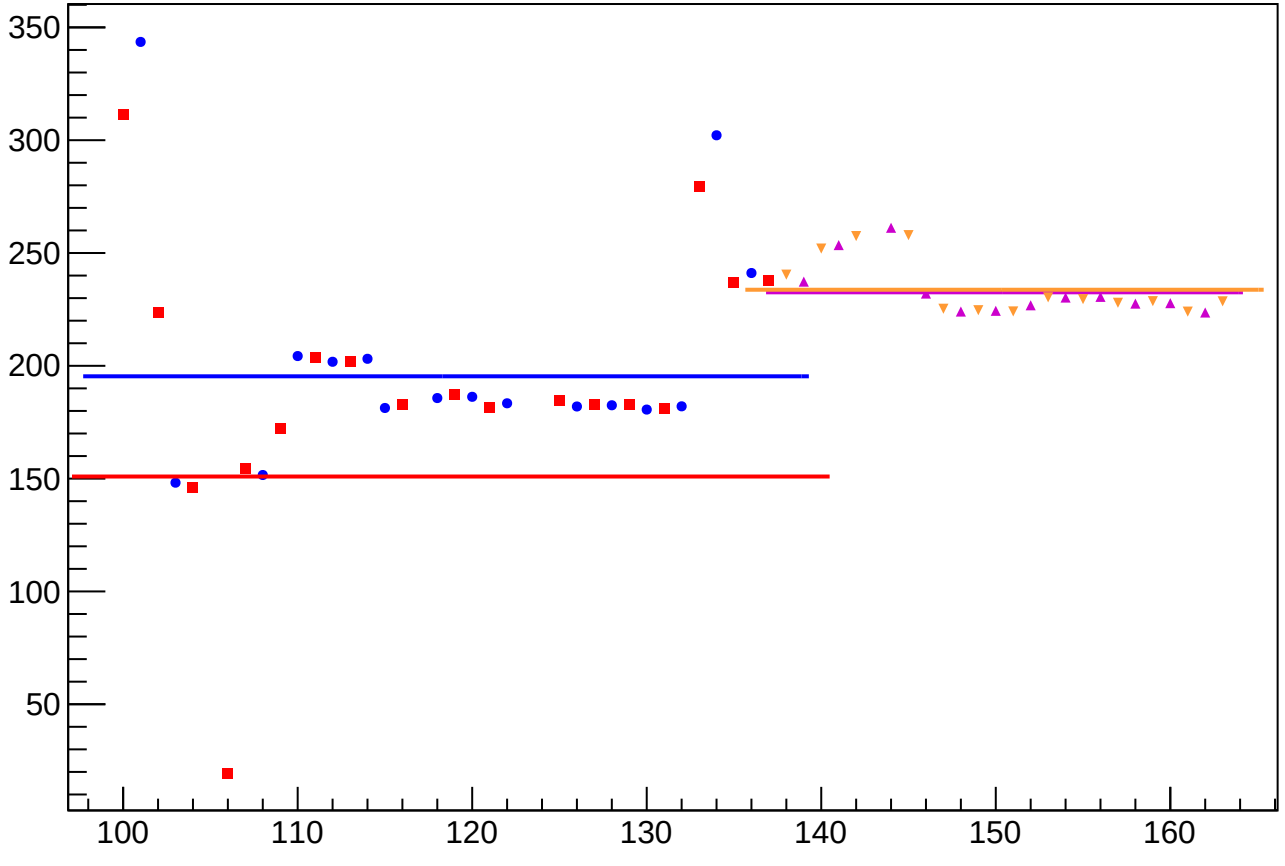
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -111.860+/-1.448 χ^2/NDF:621.6/27

Out: -106.974+/-1.400 χ^2/NDF:835.5/30

All: -109.336+/-1.006 χ^2/NDF: 1462.9/58

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: 233.718+/-0.091 χ^2/NDF:16887.0/12

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 232.577+/-0.091 χ^2/NDF:14976.5/11

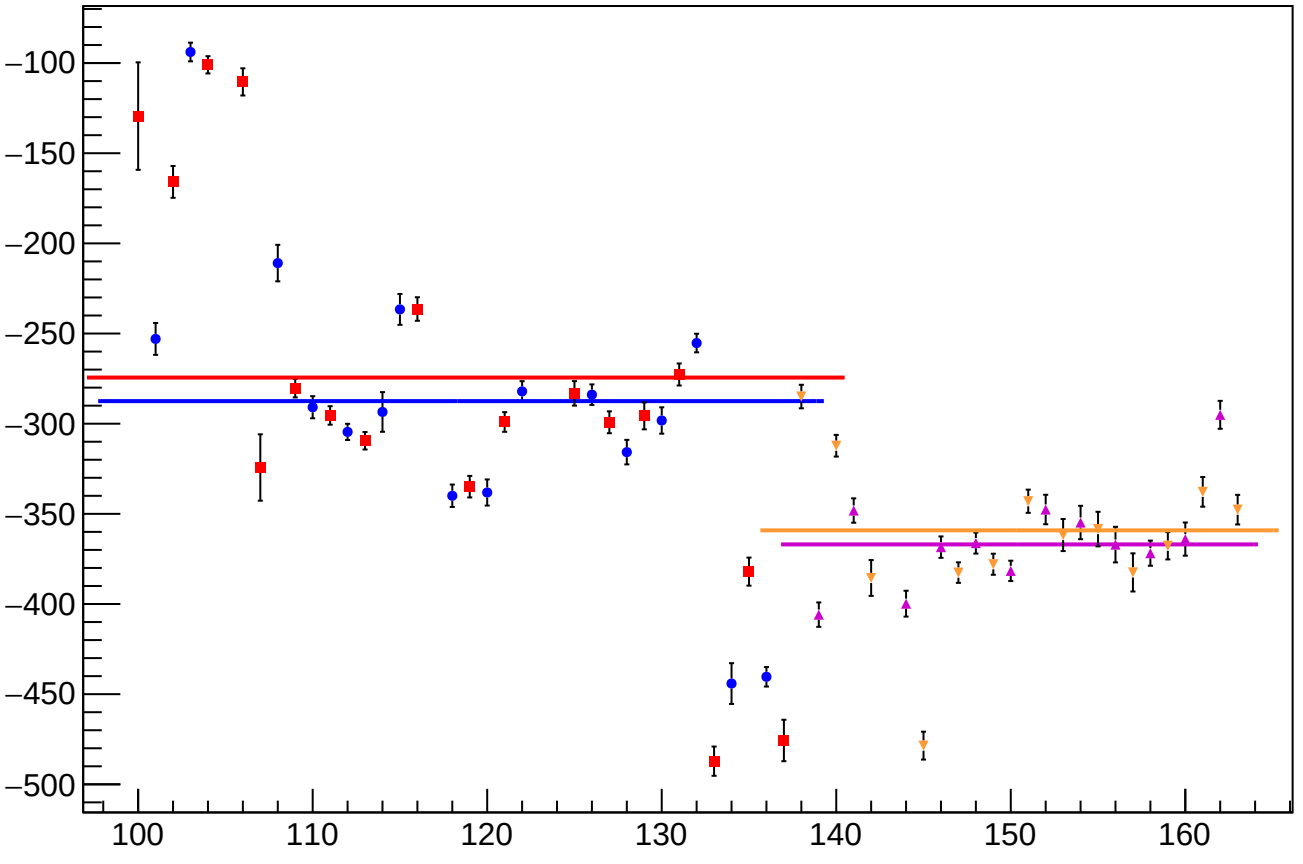
Left: 233.142+/-0.064 χ^2/NDF: 31942.1/24

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.718+/-0.073 χ^2/NDF:250350.8/27

Out: 199.991+/-0.070 χ^2/NDF:850740.0/30

All: 209.452+/-0.051 χ^2/NDF: 1138834.4/58



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -359.149+/-2.033 χ^2/NDF:484.2/12

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -366.940+/-2.048 χ^2/NDF:162.7/11

Left: -363.016+/-1.443 χ^2/NDF: 654.2/24

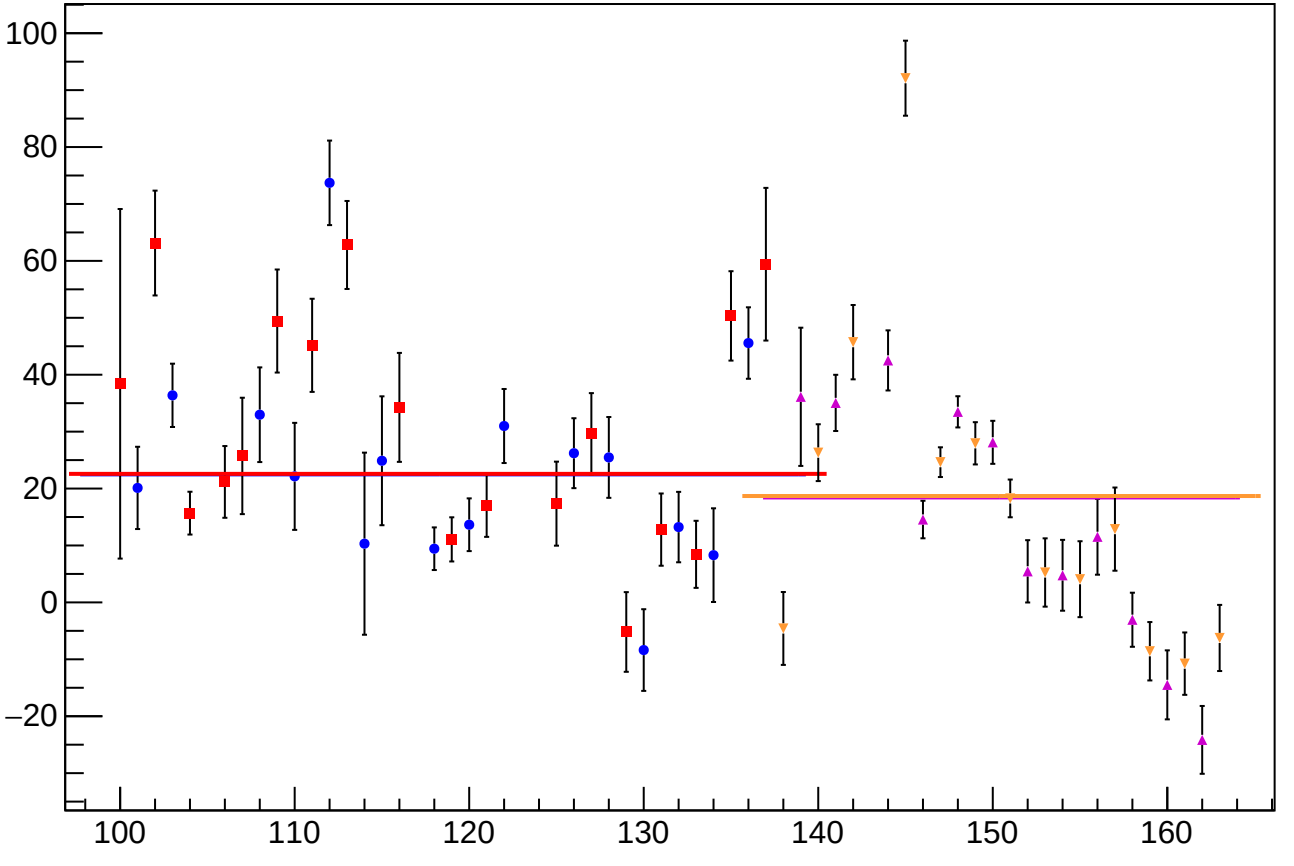
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -317.859+/-1.266 χ^2/NDF:3789.2/27

Out: -305.601+/-1.233 χ^2/NDF:4995.5/30

All: -311.568+/-0.883 χ^2/NDF: 8832.8/58

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 18.688+/-1.301 χ^2/NDF:254.1/12

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 18.436+/-1.336 χ^2/NDF:184.9/11

Left: 18.565+/-0.932 χ^2/NDF: 439.0/24

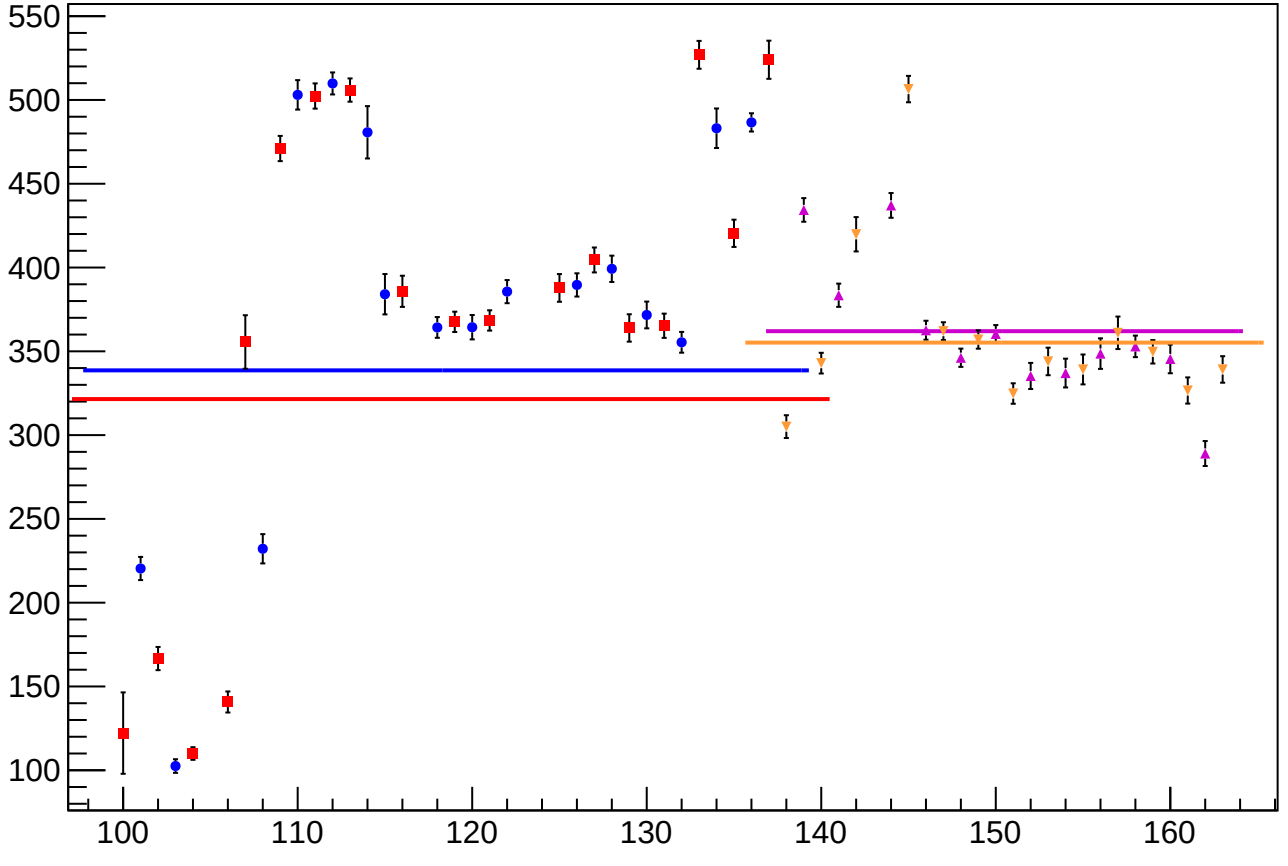
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 20.077+/-1.031 χ^2/NDF:300.0/27

Out: 20.272+/-1.002 χ^2/NDF:381.1/30

All: 20.177+/-0.718 χ^2/NDF: 681.2/58

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: 355.201+/-1.961 χ^2/NDF:516.9/12

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 362.017+/-1.969 χ^2/NDF:350.8/11

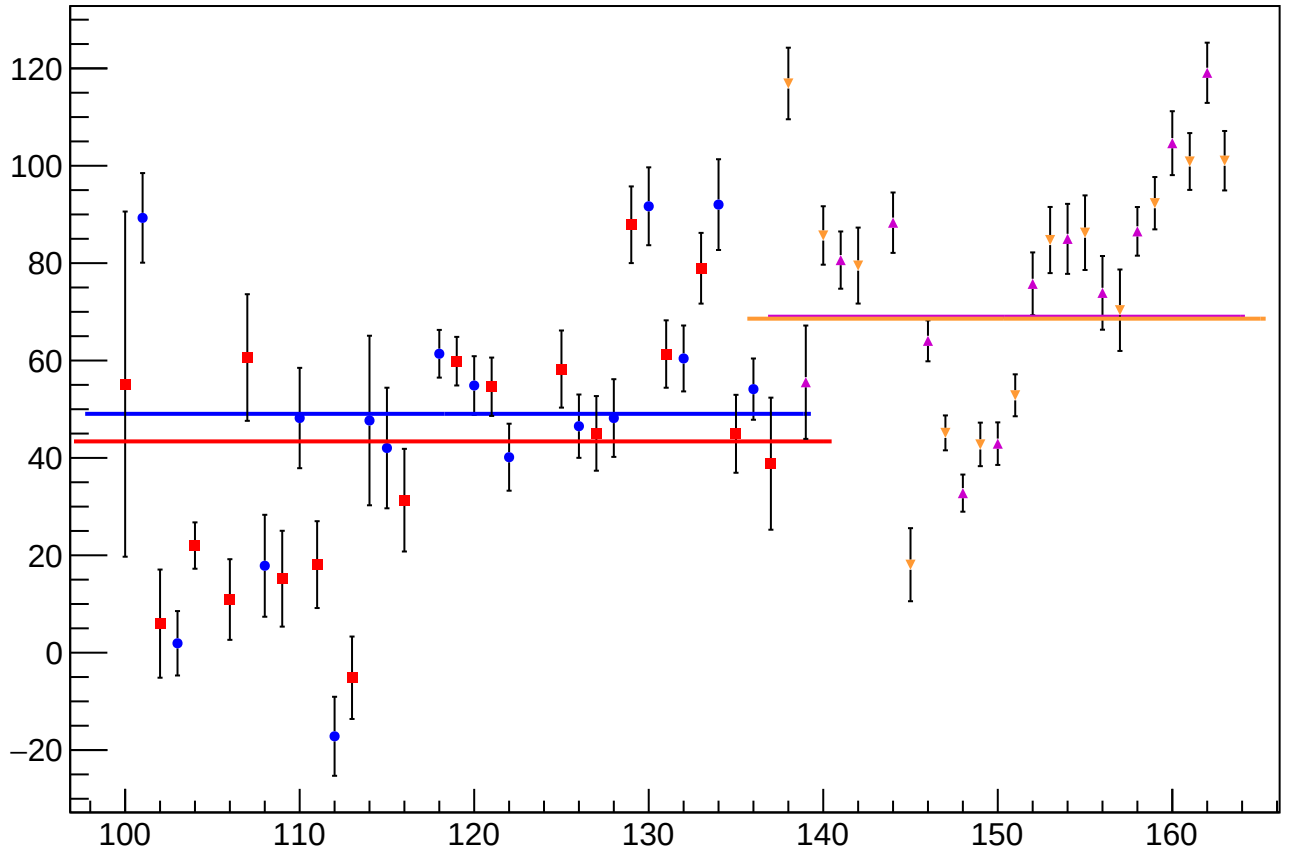
Left: 358.596+/-1.389 χ^2/NDF: 873.8/24

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 348.942+/-1.307 χ^2/NDF:6472.3/27

Out: 335.903+/-1.282 χ^2/NDF:8406.9/30

All: 342.296+/-0.915 χ^2/NDF: 14929.9/58



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 68.596+/-1.569 χ^2/NDF:277.4/12

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 69.001+/-1.601 χ^2/NDF:256.0/11

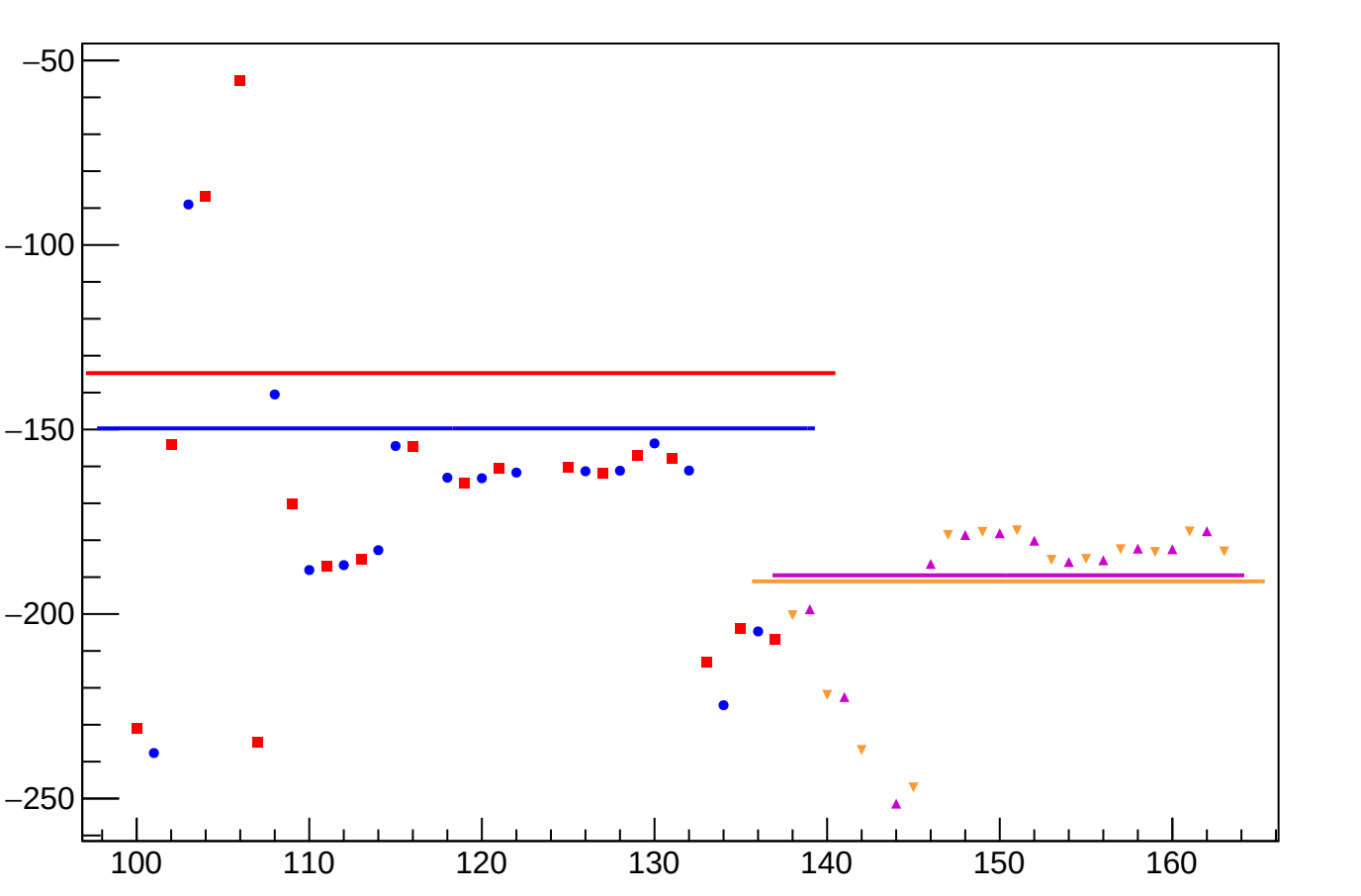
Left: 68.795+/-1.121 χ^2/NDF: 533.5/24

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 60.629+/-1.219 χ^2/NDF:529.1/27

Out: 57.941+/-1.192 χ^2/NDF:566.5/30

All: 59.255+/-0.853 χ^2/NDF: 1098.1/58



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -191.149+/-0.076 χ^2/NDF:72799.4/12

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -189.513+/-0.075 χ^2/NDF:60014.9/11

Left: -190.321+/-0.053 χ^2/NDF: 133048.0/24

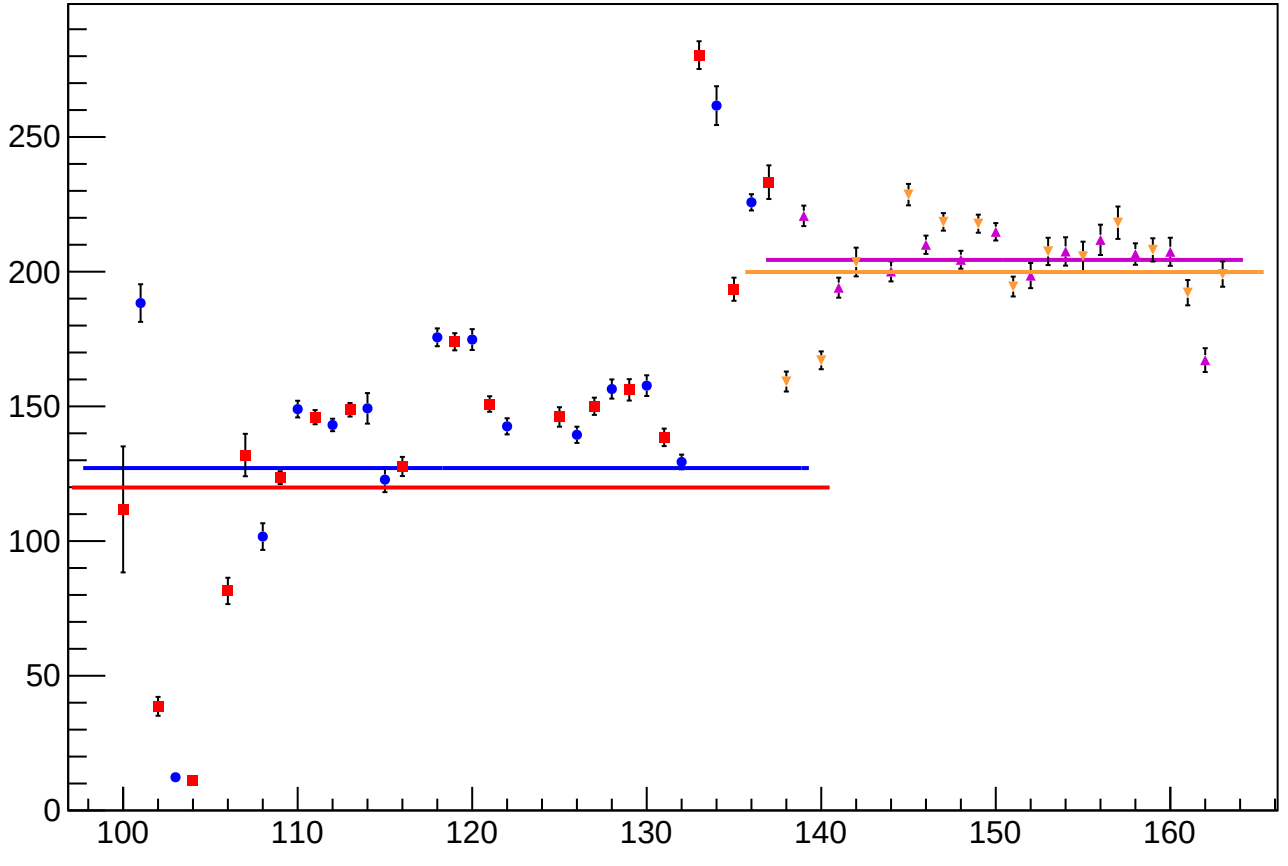
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.286+/-0.060 χ^2/NDF:416712.6/27

Out: -169.642+/-0.060 χ^2/NDF:594948.6/30

All: -172.446+/-0.042 χ^2/NDF: 1016073.2/58

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: 199.866+/-1.144 χ^2/NDF:353.7/12

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 204.370+/-1.154 χ^2/NDF:115.6/11

Left: 202.099+/-0.812 χ^2/NDF: 477.0/24

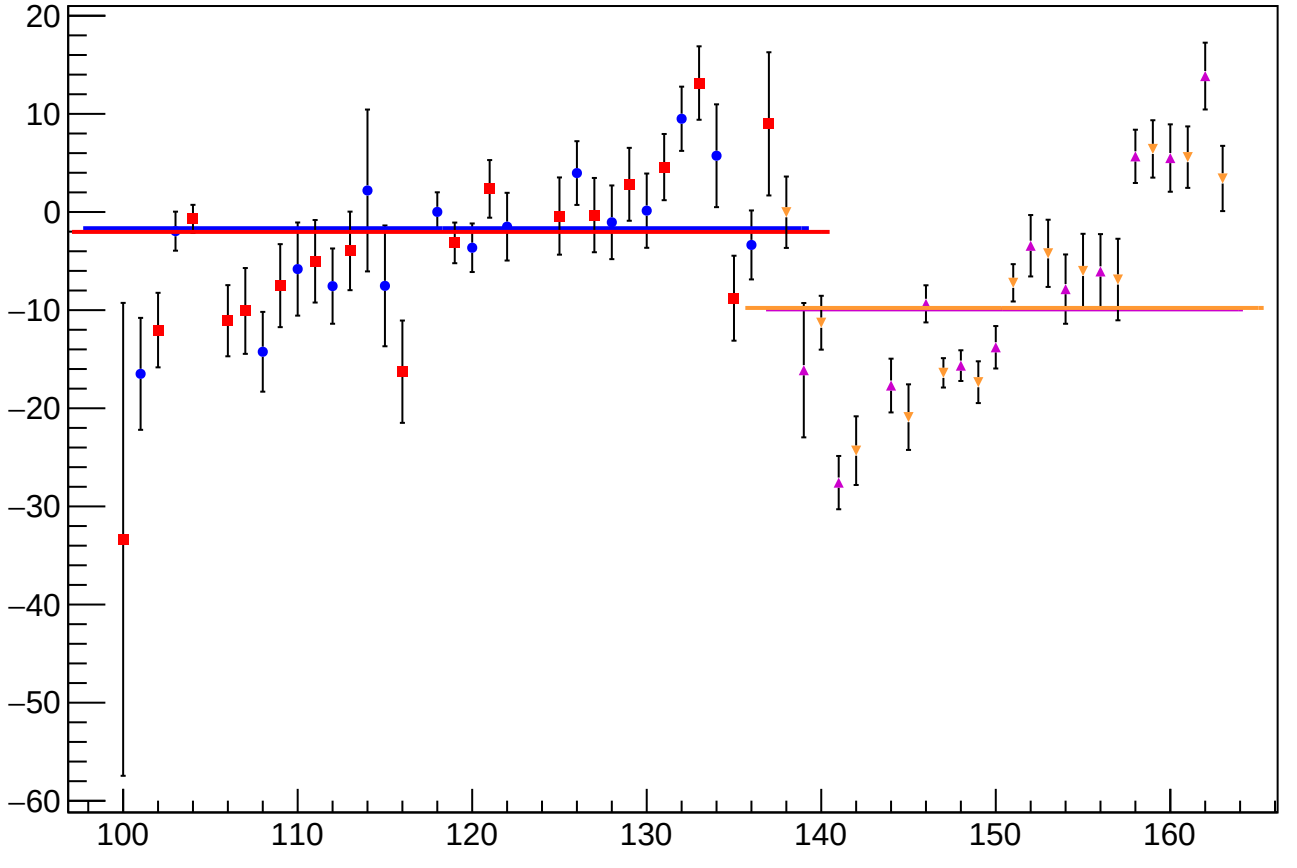
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.652+/-0.663 χ^2/NDF:9282.0/27

Out: 145.012+/-0.641 χ^2/NDF:10355.9/30

All: 148.702+/-0.461 χ^2/NDF: 19706.5/58

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -9.776+/-0.736 χ^2/NDF:144.4/12

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -9.922+/-0.756 χ^2/NDF:175.5/11

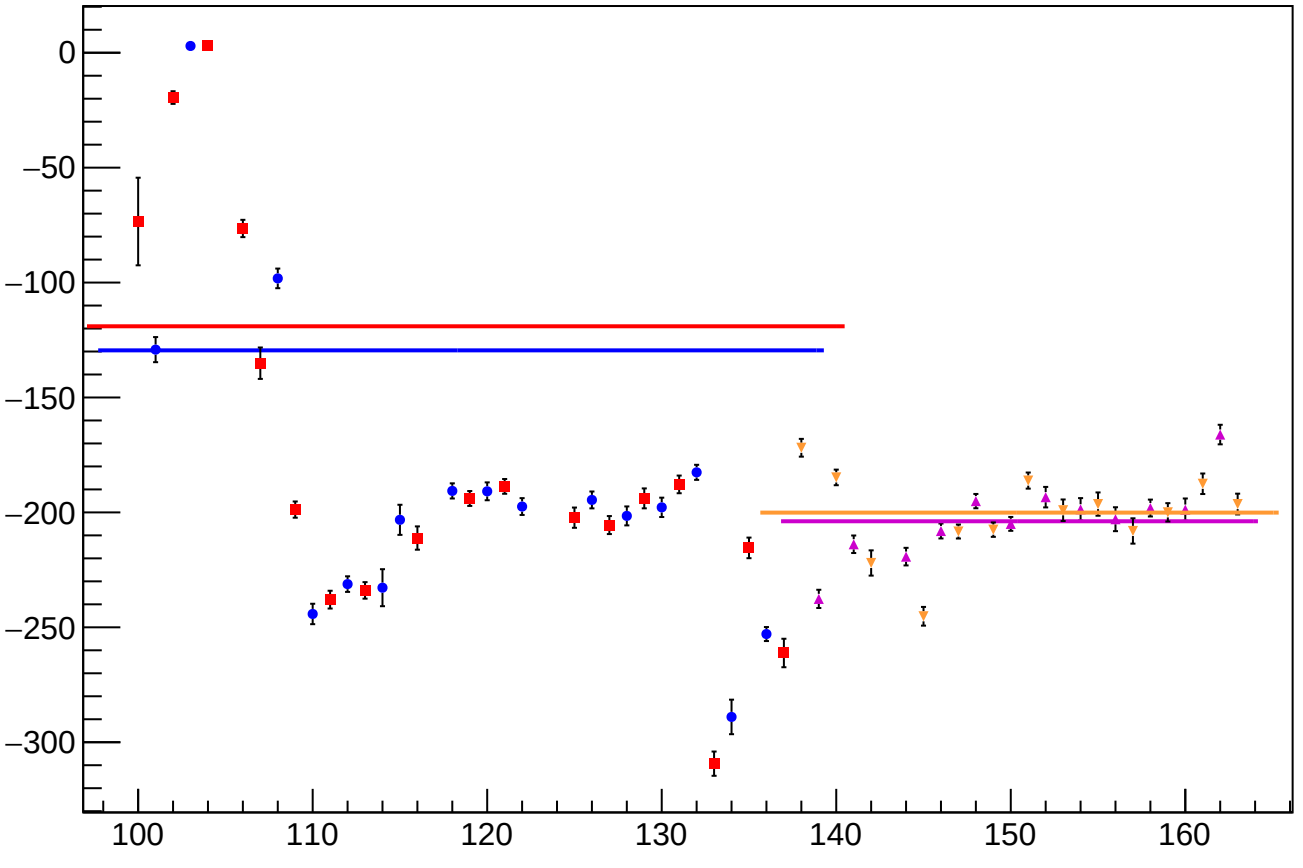
Left: -9.847+/-0.527 χ^2/NDF: 319.9/24

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -6.186+/-0.560 χ^2/NDF:268.6/27

Out: -6.076+/-0.532 χ^2/NDF:255.9/30

All: -6.128+/-0.386 χ^2/NDF: 524.5/58



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -200.088+/-1.106 χ^2/NDF:252.1/12

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -203.857+/-1.111 χ^2/NDF:194.3/11

Left: -201.964+/-0.784 χ^2/NDF: 452.2/24

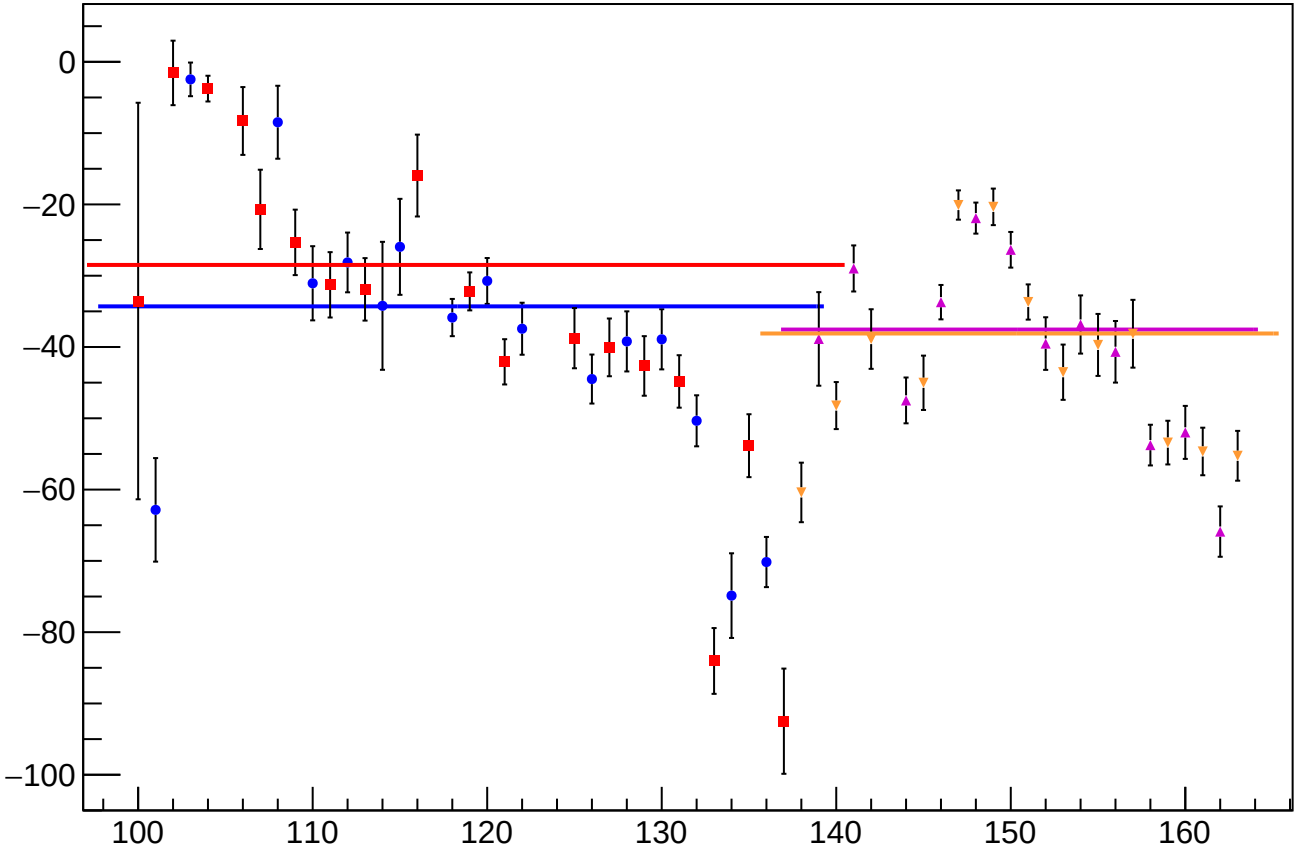
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.807+/-0.673 χ^2/NDF:17716.9/27

Out: -147.457+/-0.655 χ^2/NDF:19918.7/30

All: -152.003+/-0.469 χ^2/NDF: 37734.7/58

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -38.105+/-0.887 χ^2/NDF:245.2/12

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -37.553+/-0.905 χ^2/NDF:203.2/11

Left: -37.835+/-0.634 χ^2/NDF: 448.5/24

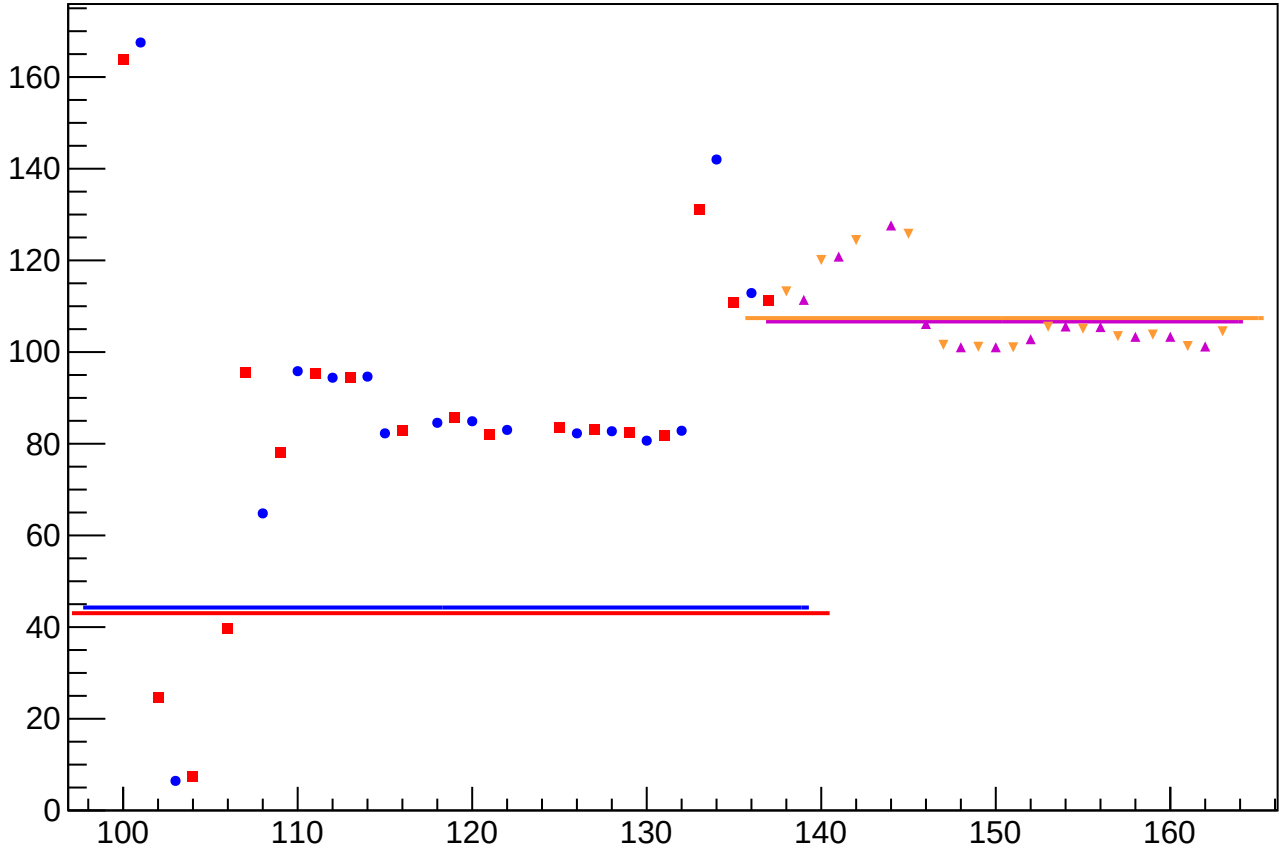
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -36.036+/-0.661 χ^2/NDF:620.5/27

Out: -33.402+/-0.634 χ^2/NDF:870.6/30

All: -34.664+/-0.458 χ^2/NDF: 1499.4/58

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 107.411+/-0.043 χ^2/NDF:36615.2/12

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 106.672+/-0.043 χ^2/NDF:31327.0/11

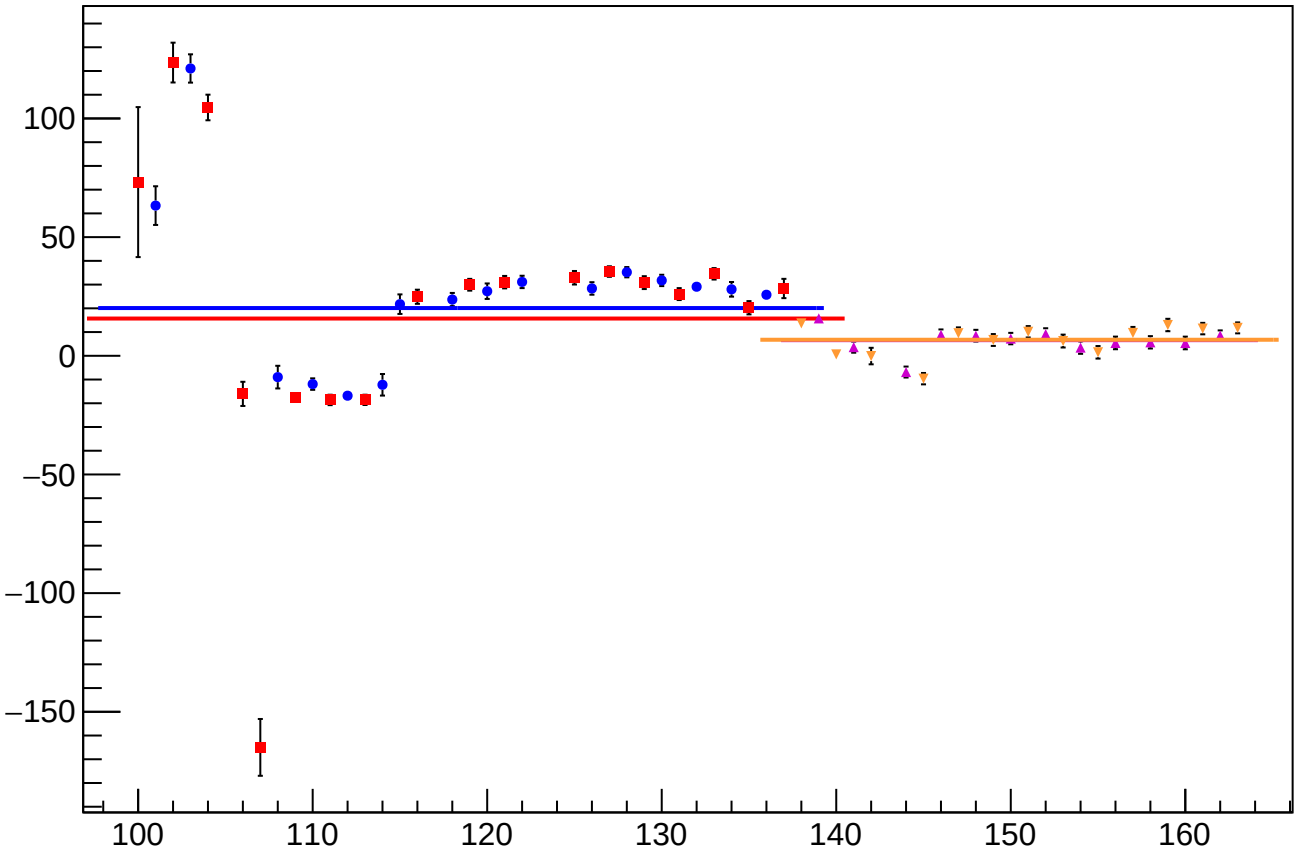
Left: 107.037+/-0.030 χ^2/NDF: 68091.6/24

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 77.205+/-0.031 χ^2/NDF:2133796.6/27

Out: 76.735+/-0.031 χ^2/NDF:1911373.8/30

All: 76.972+/-0.022 χ^2/NDF: 4045285.6/58



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 6.761+/-0.681 χ^2/NDF:93.0/12

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.588+/-0.690 χ^2/NDF:61.8/11

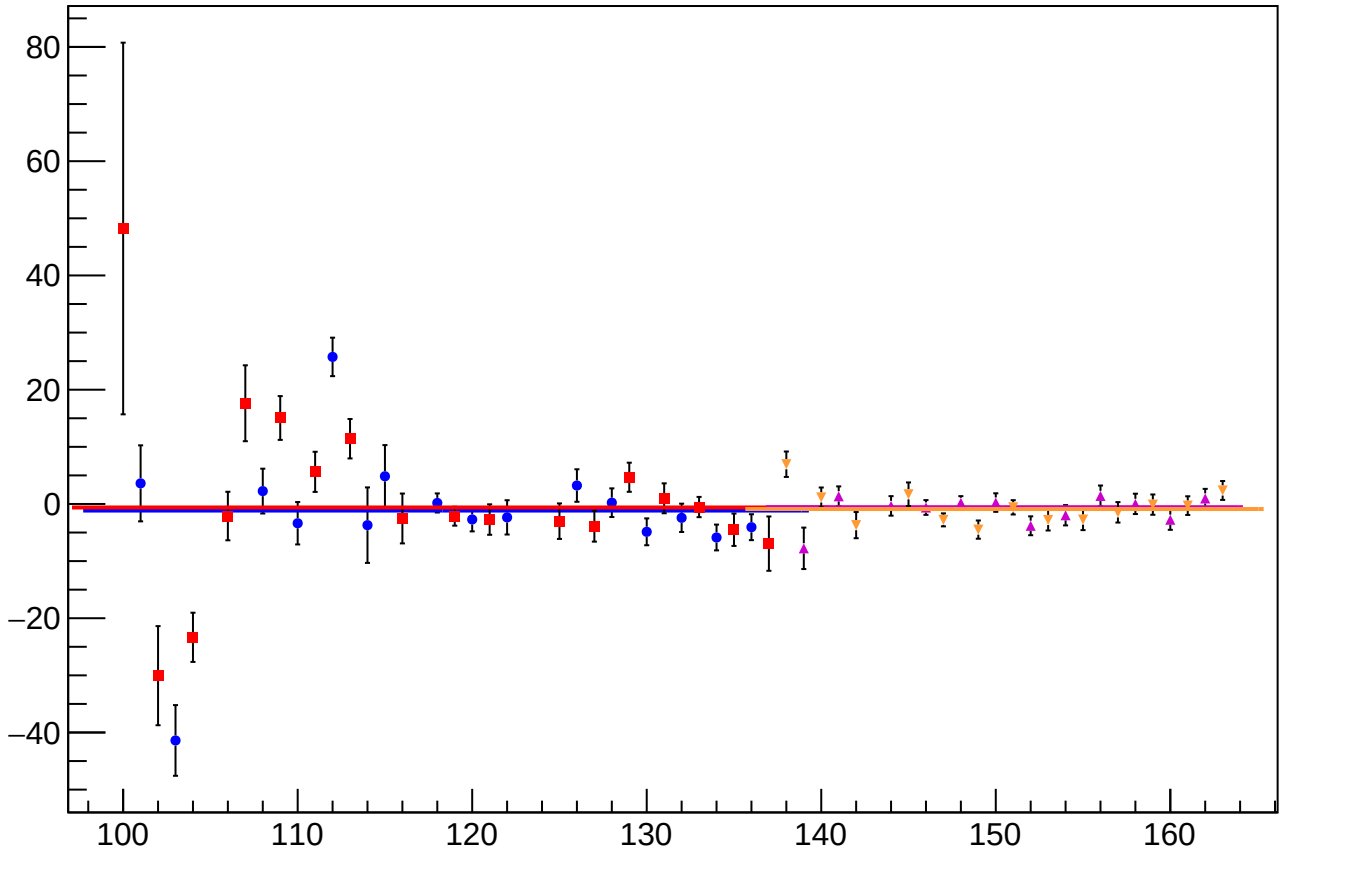
Left: 6.675+/-0.485 χ^2/NDF: 154.9/24

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.385+/-0.487 χ^2/NDF:1302.9/27

Out: 11.225+/-0.482 χ^2/NDF:1952.9/30

All: 12.294+/-0.343 χ^2/NDF: 3265.7/58



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.884+/-0.461 χ^2/NDF:31.2/12

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.564+/-0.474 χ^2/NDF:14.0/11

Left: -0.729+/-0.330 χ^2/NDF: 45.4/24

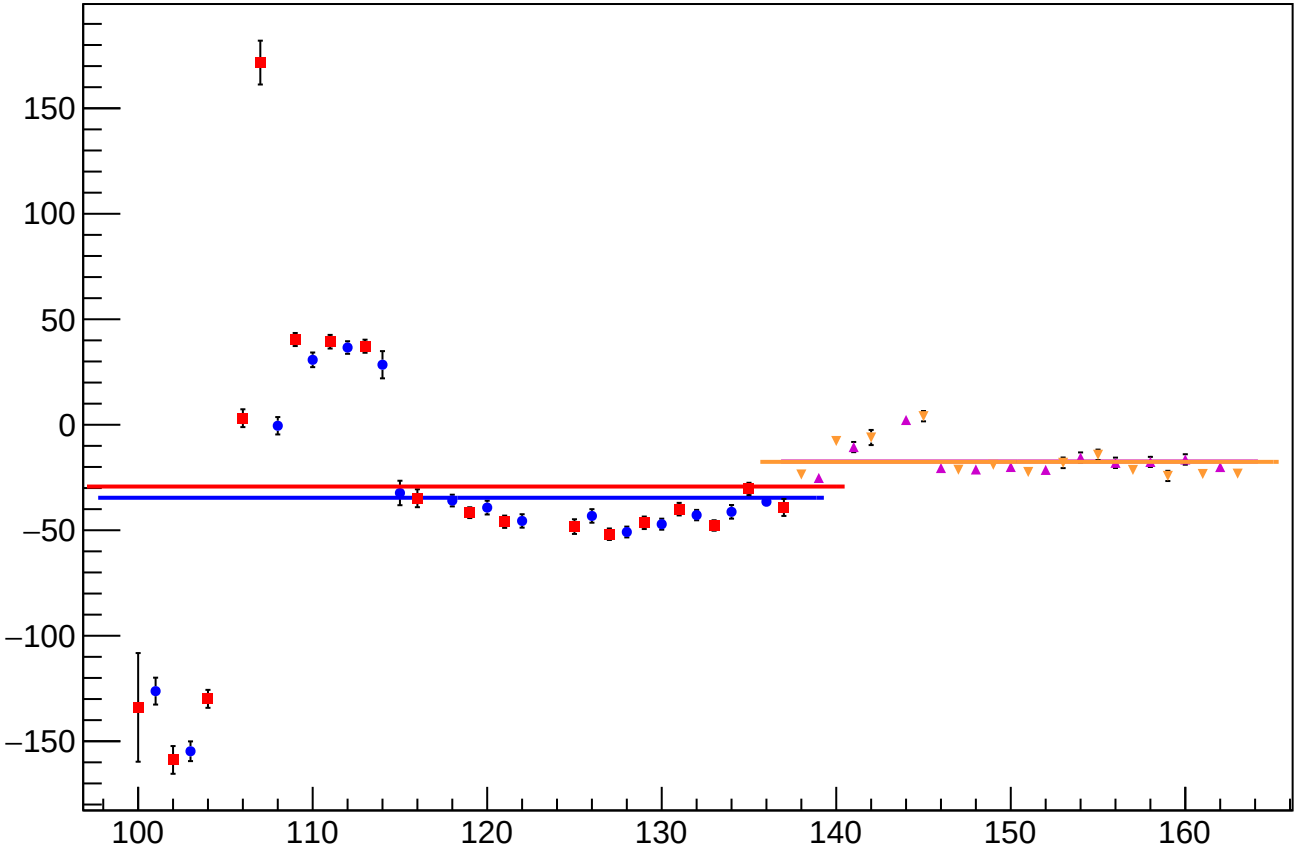
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.749+/-0.393 χ^2/NDF:136.3/27

Out: -0.804+/-0.387 χ^2/NDF:124.6/30

All: -0.777+/-0.276 χ^2/NDF: 261.0/58

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: -17.581+/-0.659 χ^2/NDF:150.0/12

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.403+/-0.666 χ^2/NDF:101.8/11

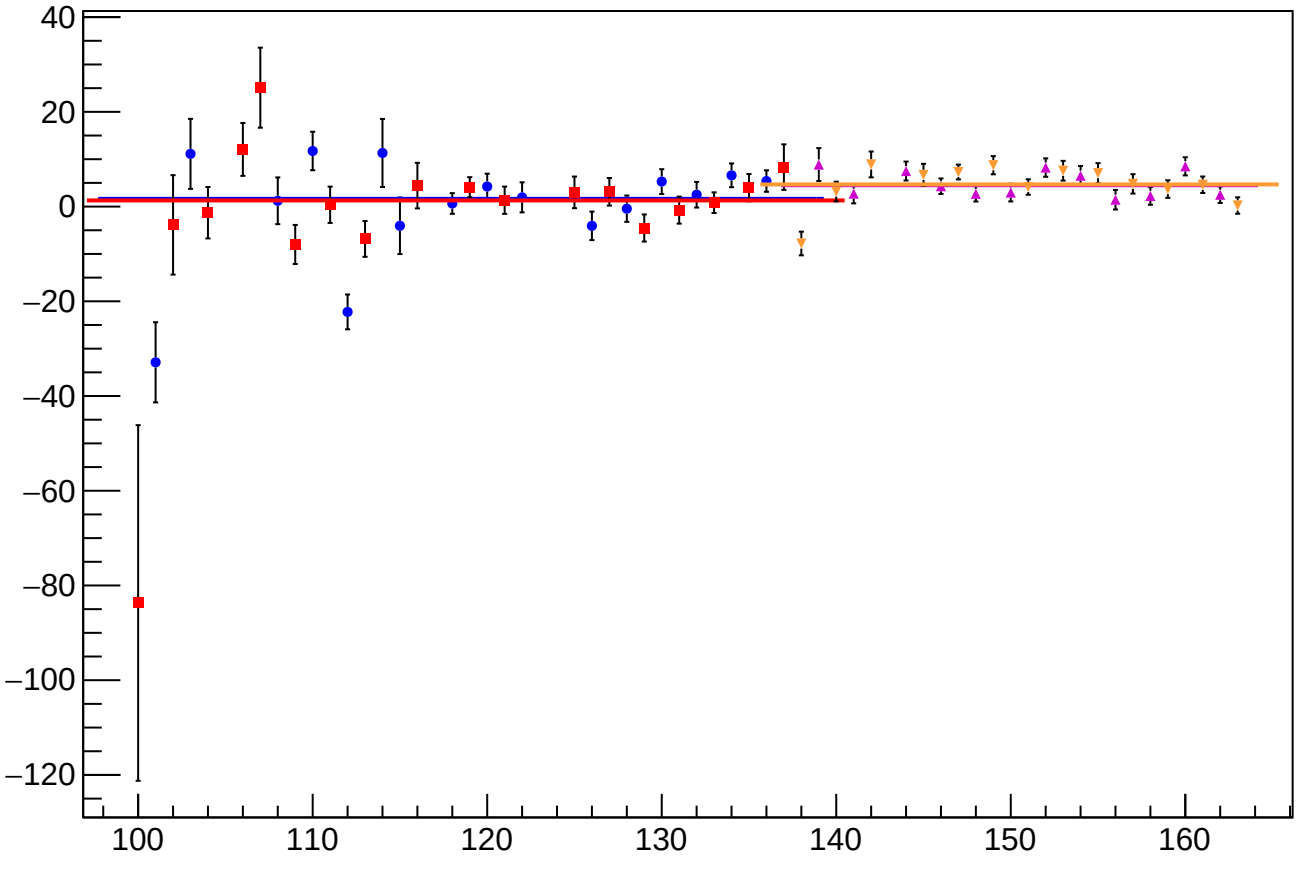
Left: -17.493+/-0.468 χ^2/NDF: 251.8/24

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.588+/-0.508 χ^2/NDF:2438.7/27

Out: -22.307+/-0.508 χ^2/NDF:3358.5/30

All: -23.448+/-0.359 χ^2/NDF: 5807.3/58



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 4.674+/-0.541 χ^2/NDF:46.1/12

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.507+/-0.556 χ^2/NDF:20.5/11

Left: 4.593+/-0.388 χ^2/NDF: 66.6/24

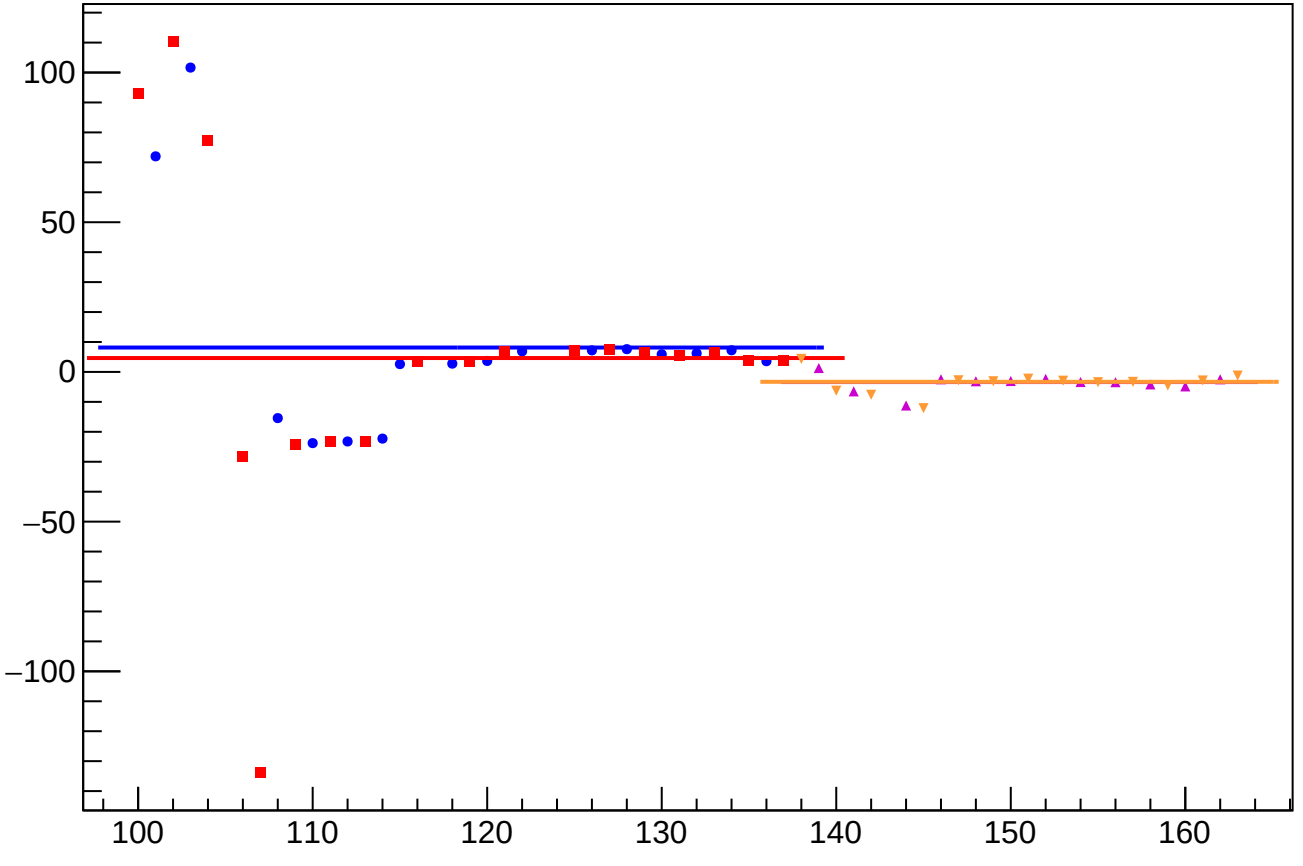
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.565+/-0.456 χ^2/NDF:112.5/27

Out: 3.643+/-0.451 χ^2/NDF:95.5/30

All: 3.605+/-0.321 χ^2/NDF: 208.0/58

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.303+/-0.025 χ^2/NDF:19318.9/12

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.383+/-0.025 χ^2/NDF:11171.3/11

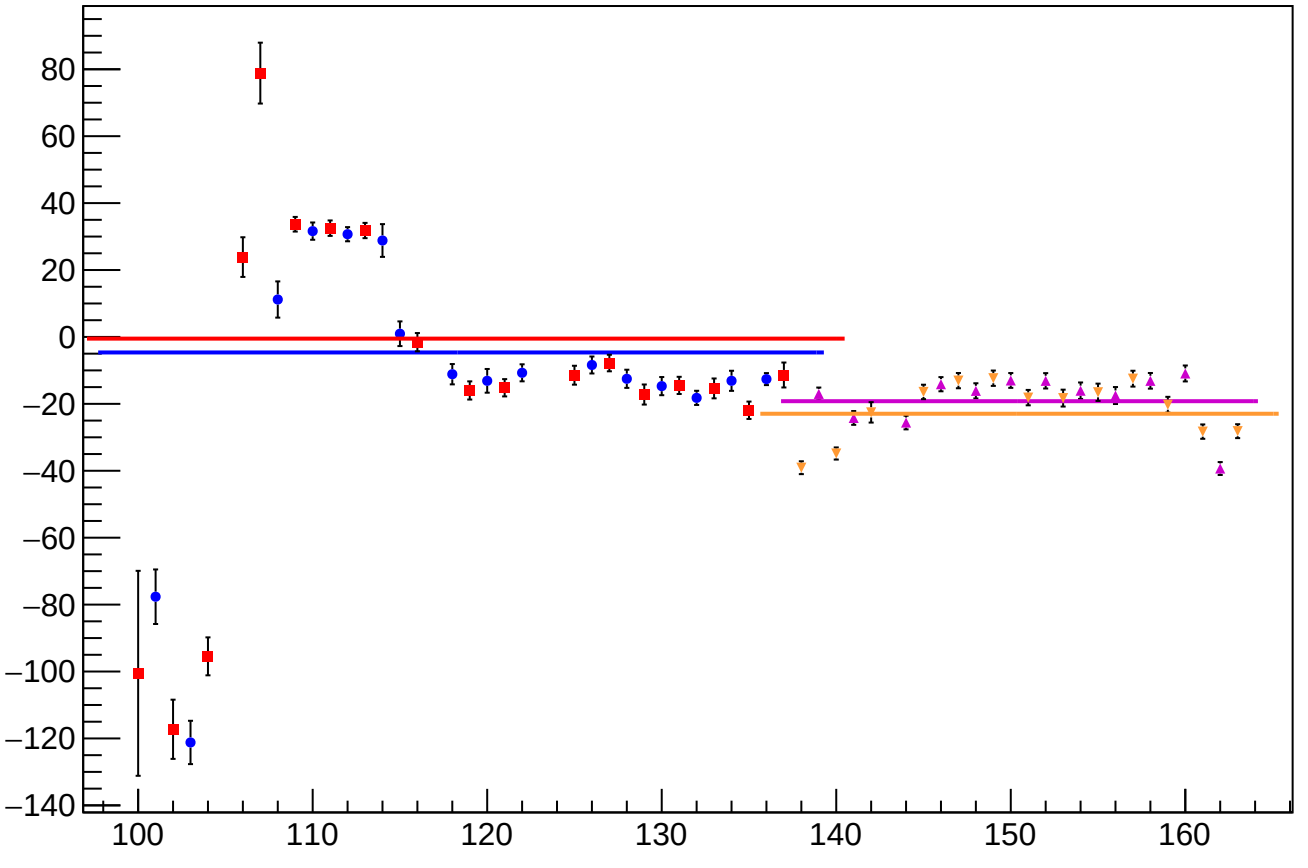
Left: -3.343+/-0.018 χ^2/NDF: 30495.5/24

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.968+/-0.022 χ^2/NDF:369429.8/27

Out: -1.824+/-0.022 χ^2/NDF:485331.2/30

All: -1.393+/-0.016 χ^2/NDF: 855501.9/58



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -22.957+/-0.622 χ^2/NDF:209.8/12

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -19.204+/-0.631 χ^2/NDF:169.2/11

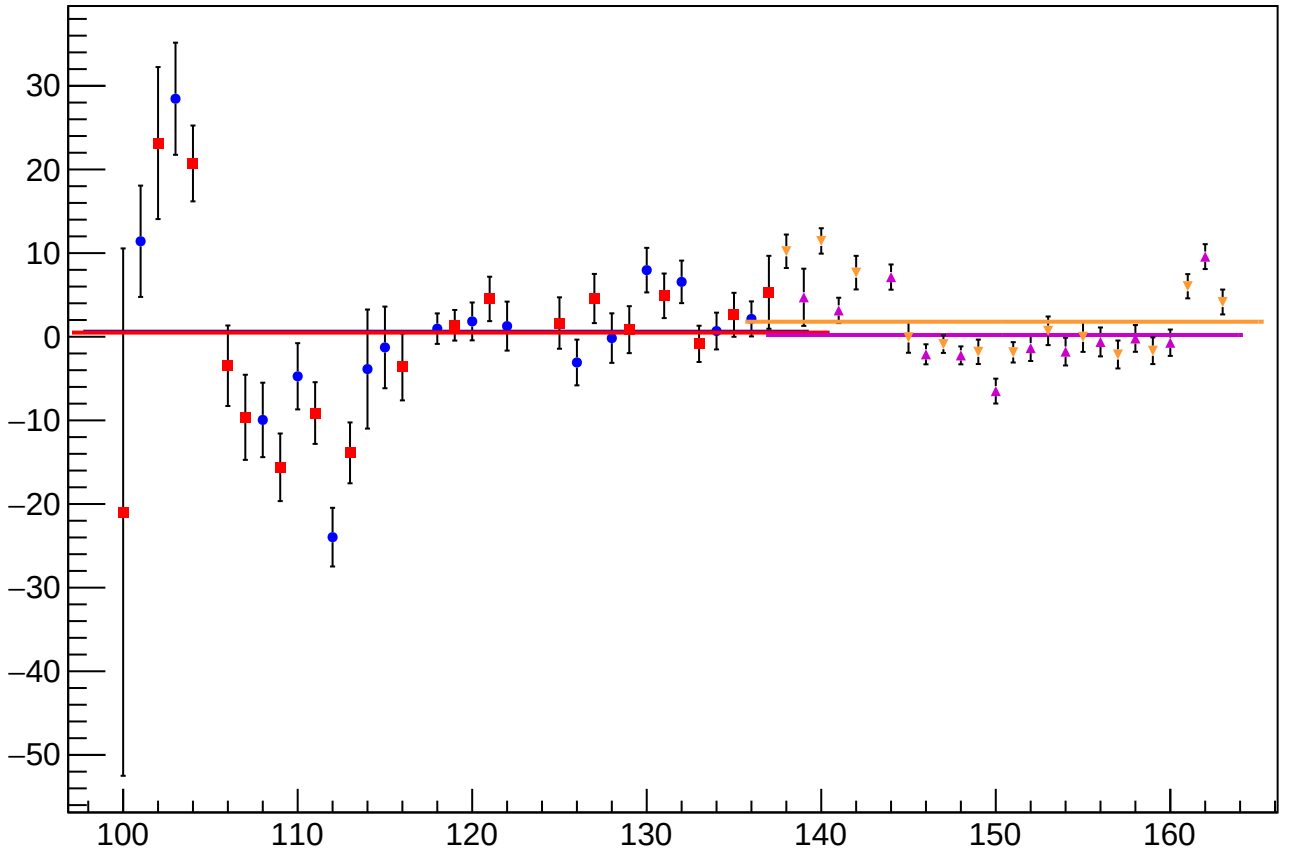
Left: -21.105+/-0.443 χ^2/NDF: 396.9/24

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -12.796+/-0.472 χ^2/NDF:1450.1/27

Out: -13.213+/-0.468 χ^2/NDF:2232.2/30

All: -13.006+/-0.332 χ^2/NDF: 3682.7/58



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.796+/-0.422 χ^2/NDF:112.1/12

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 0.207+/-0.433 χ^2/NDF:98.5/11

Left: 1.020+/-0.302 χ^2/NDF: 217.5/24

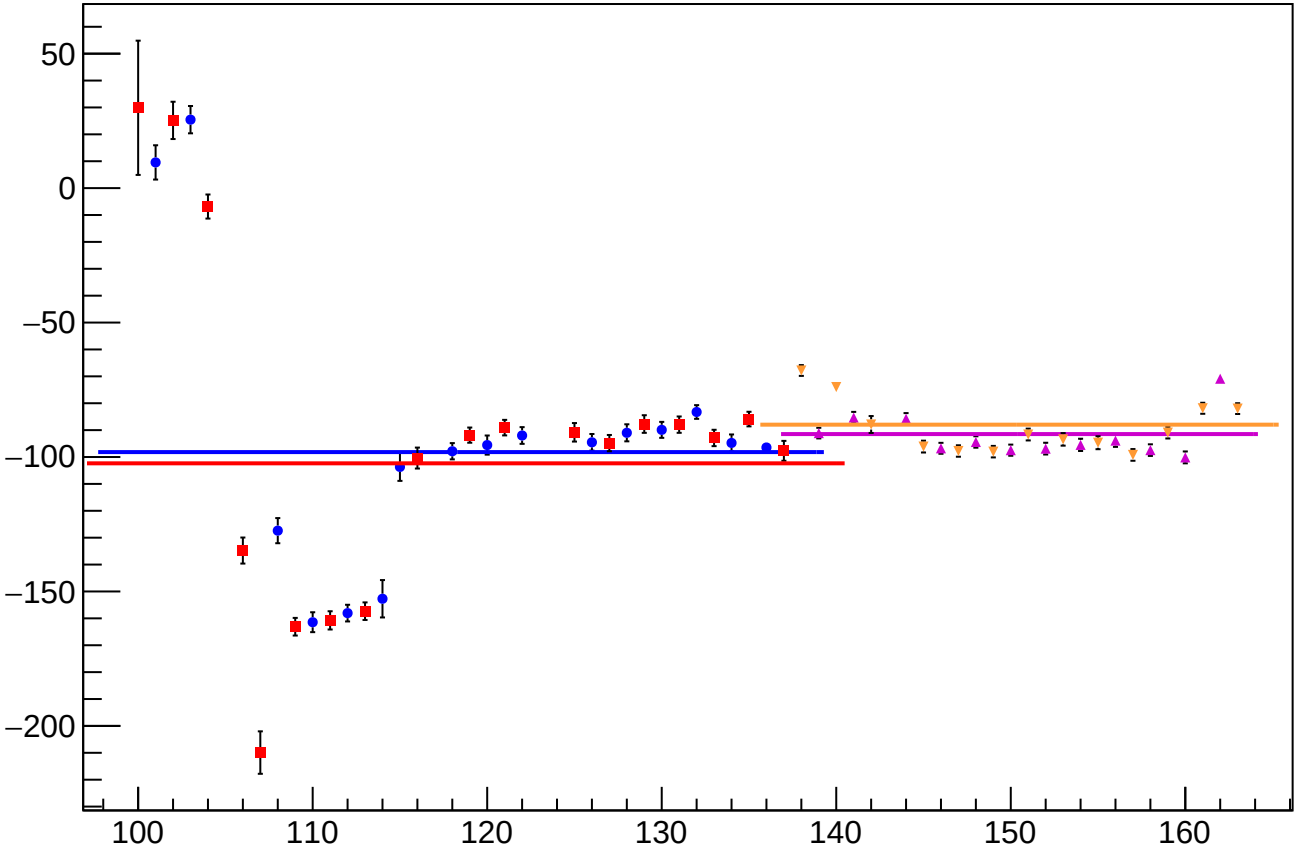
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 0.310+/-0.372 χ^2/NDF:191.6/27

Out: 1.486+/-0.369 χ^2/NDF:194.5/30

All: 0.903+/-0.262 χ^2/NDF: 391.2/58

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: -87.969+/-0.603 χ^2/NDF:276.0/12

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -91.468+/-0.609 χ^2/NDF:189.2/11

Left: -89.701+/-0.428 χ^2/NDF: 481.9/24

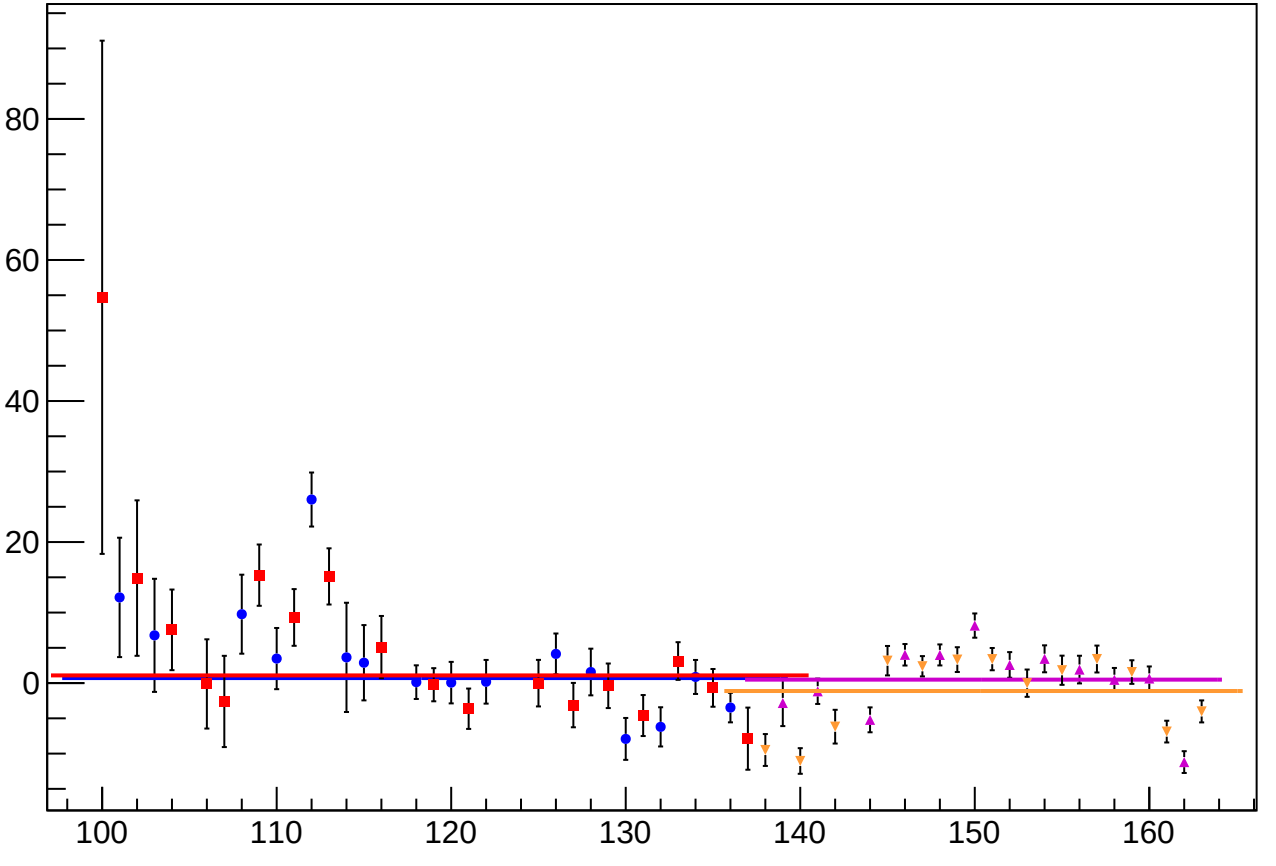
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -93.876+/-0.487 χ^2/NDF:1932.7/27

Out: -92.879+/-0.489 χ^2/NDF:2587.9/30

All: -93.380+/-0.345 χ^2/NDF: 4522.7/58

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: -1.125+/-0.495 χ^2/NDF:100.8/12

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 0.488+/-0.507 χ^2/NDF:104.6/11

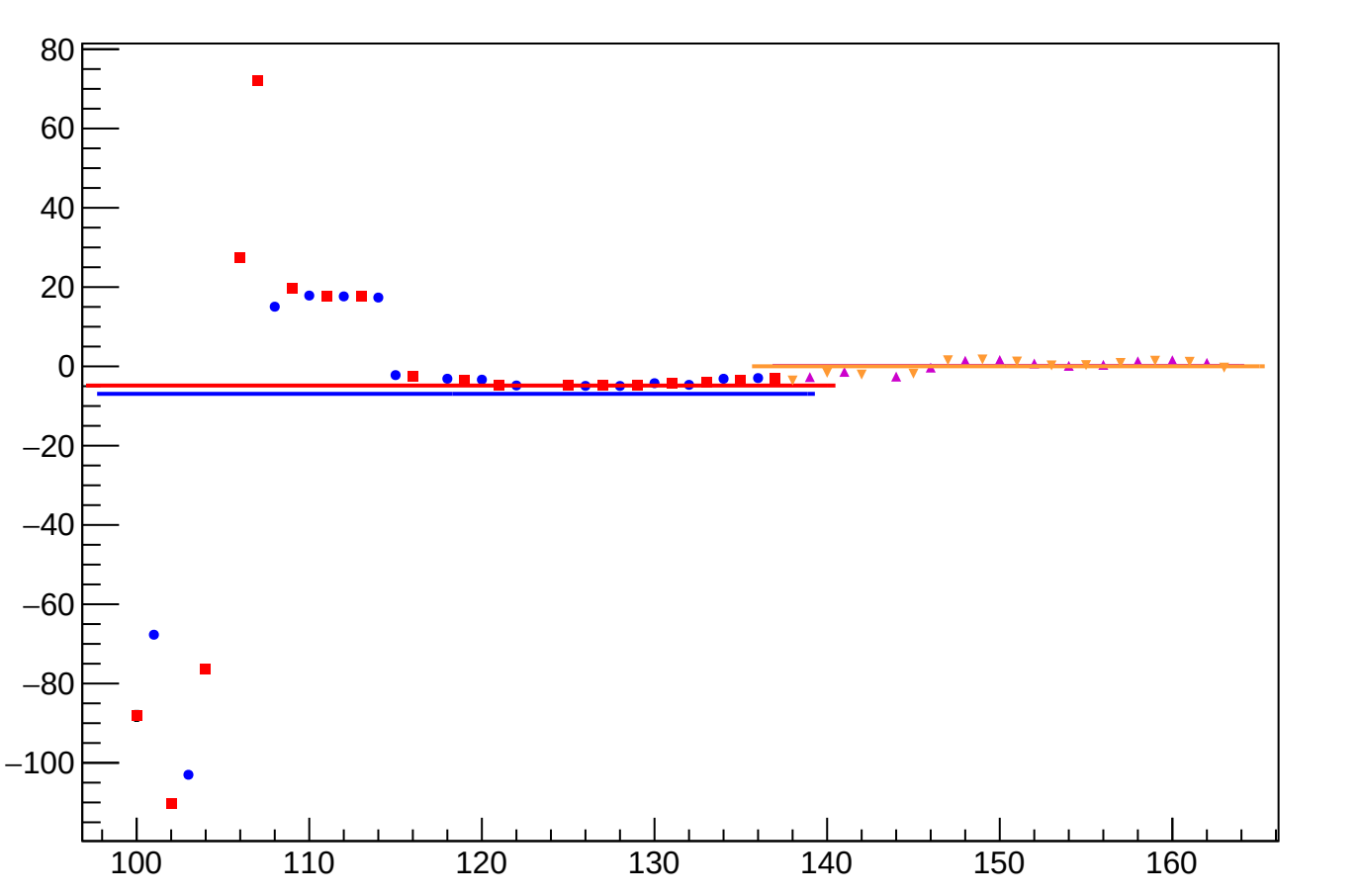
Left: -0.337+/-0.354 χ^2/NDF: 210.5/24

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: 0.550+/-0.431 χ^2/NDF:174.2/27

Out: -0.570+/-0.429 χ^2/NDF:153.4/30

All: -0.014+/-0.304 χ^2/NDF: 331.0/58



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: 0.023+/-0.023 χ^2/NDF:4753.7/12

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: 0.133+/-0.023 χ^2/NDF:4056.9/11

Left: 0.078+/-0.016 χ^2/NDF: 8822.3/24

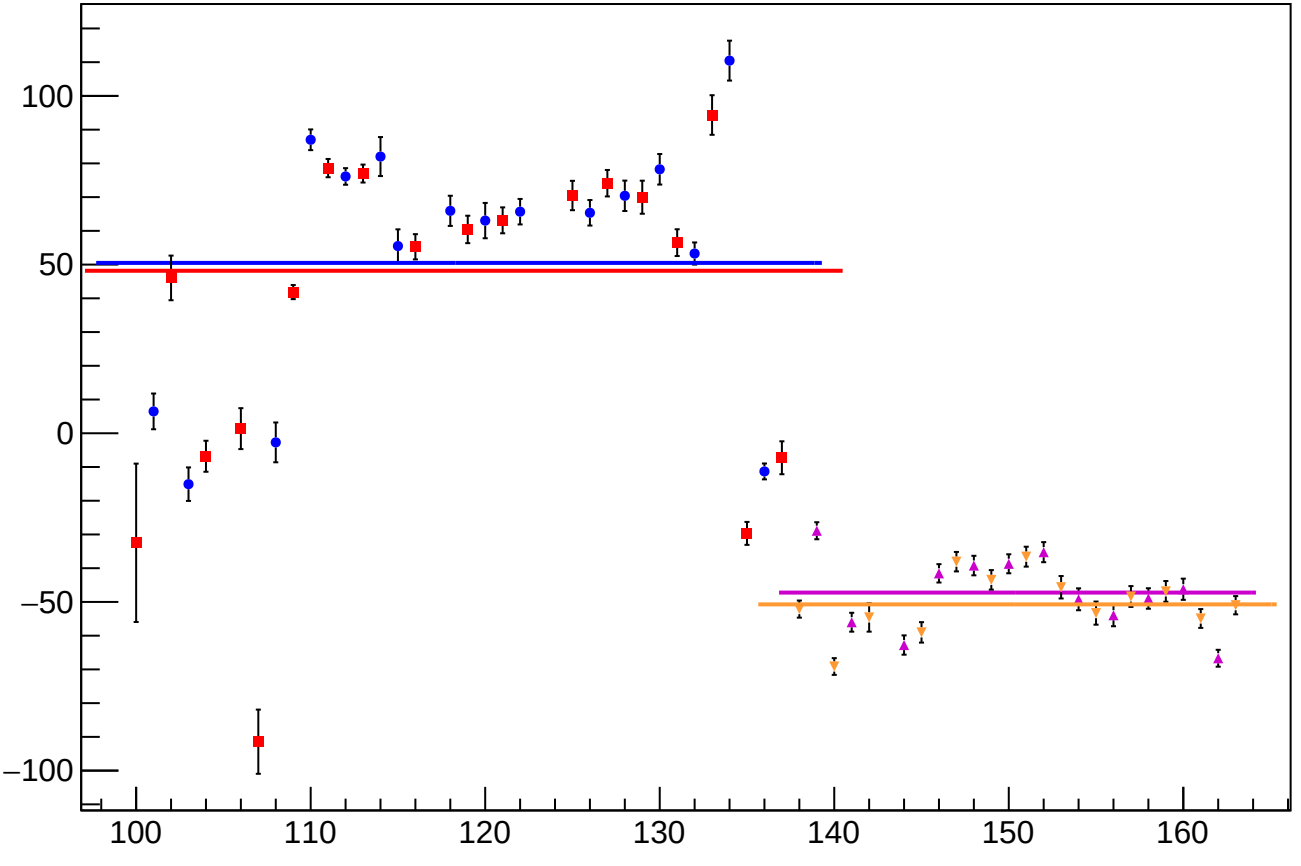
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.145+/-0.021 χ^2/NDF:286576.8/27

Out: -0.735+/-0.021 χ^2/NDF:351253.5/30

All: -0.942+/-0.015 χ^2/NDF: 638025.6/58

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -50.724+/-0.819 χ^2/NDF:119.5/12

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -47.227+/-0.828 χ^2/NDF:195.0/11

Left: -48.994+/-0.582 χ^2/NDF: 323.6/24

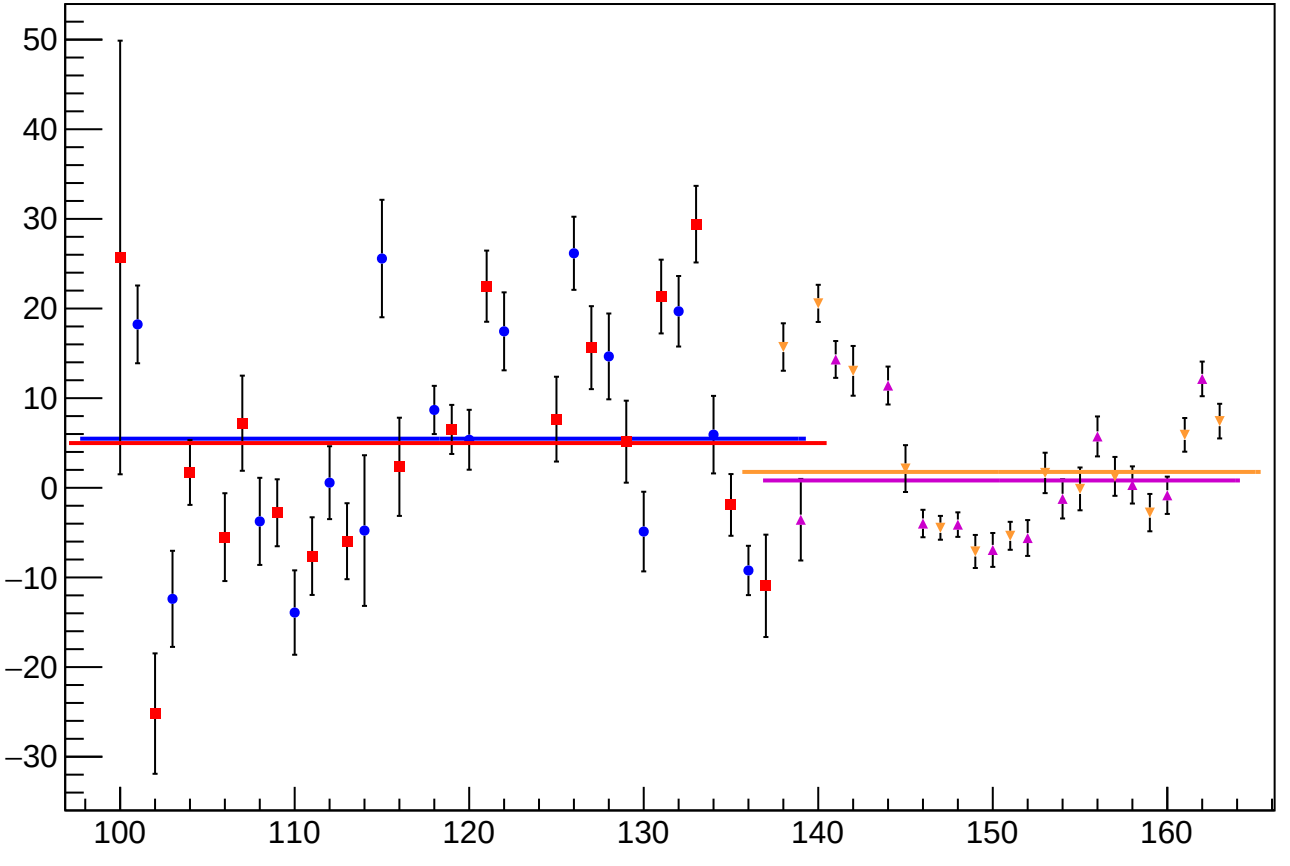
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -5.797+/-0.629 χ^2/NDF:7603.1/27

Out: -6.678+/-0.610 χ^2/NDF:8128.2/30

All: -6.251+/-0.438 χ^2/NDF: 15732.3/58

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 1.772+/-0.551 χ^2/NDF:211.5/12

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 0.820+/-0.564 χ^2/NDF:159.9/11

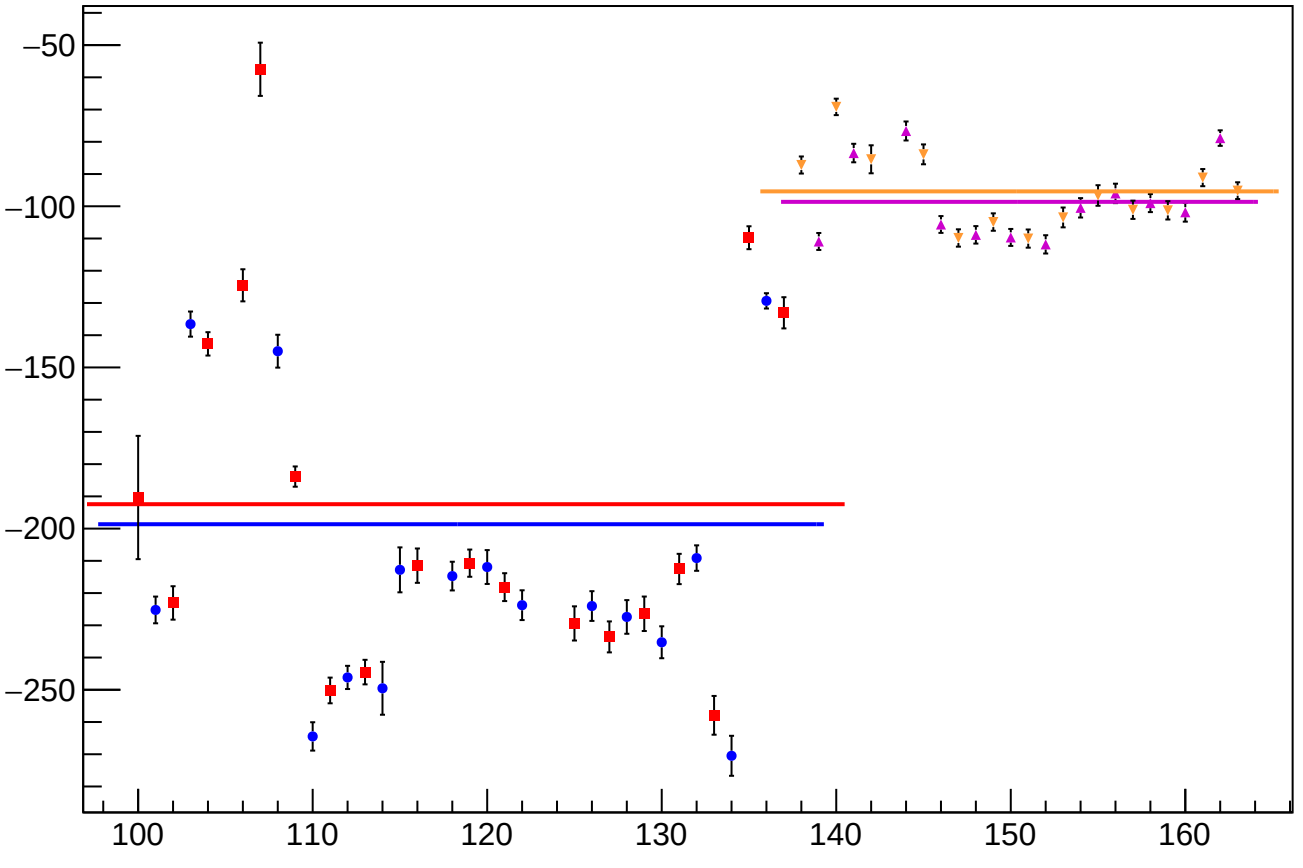
Left: 1.307+/-0.394 χ^2/NDF: 372.8/24

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 1.910+/-0.494 χ^2/NDF:314.0/27

Out: 2.497+/-0.485 χ^2/NDF:351.0/30

All: 2.209+/-0.346 χ^2/NDF: 665.7/58



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -95.379+/-0.792 χ^2/NDF:220.4/12

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.629+/-0.798 χ^2/NDF:235.9/11

Left: -96.991+/-0.562 χ^2/NDF: 464.6/24

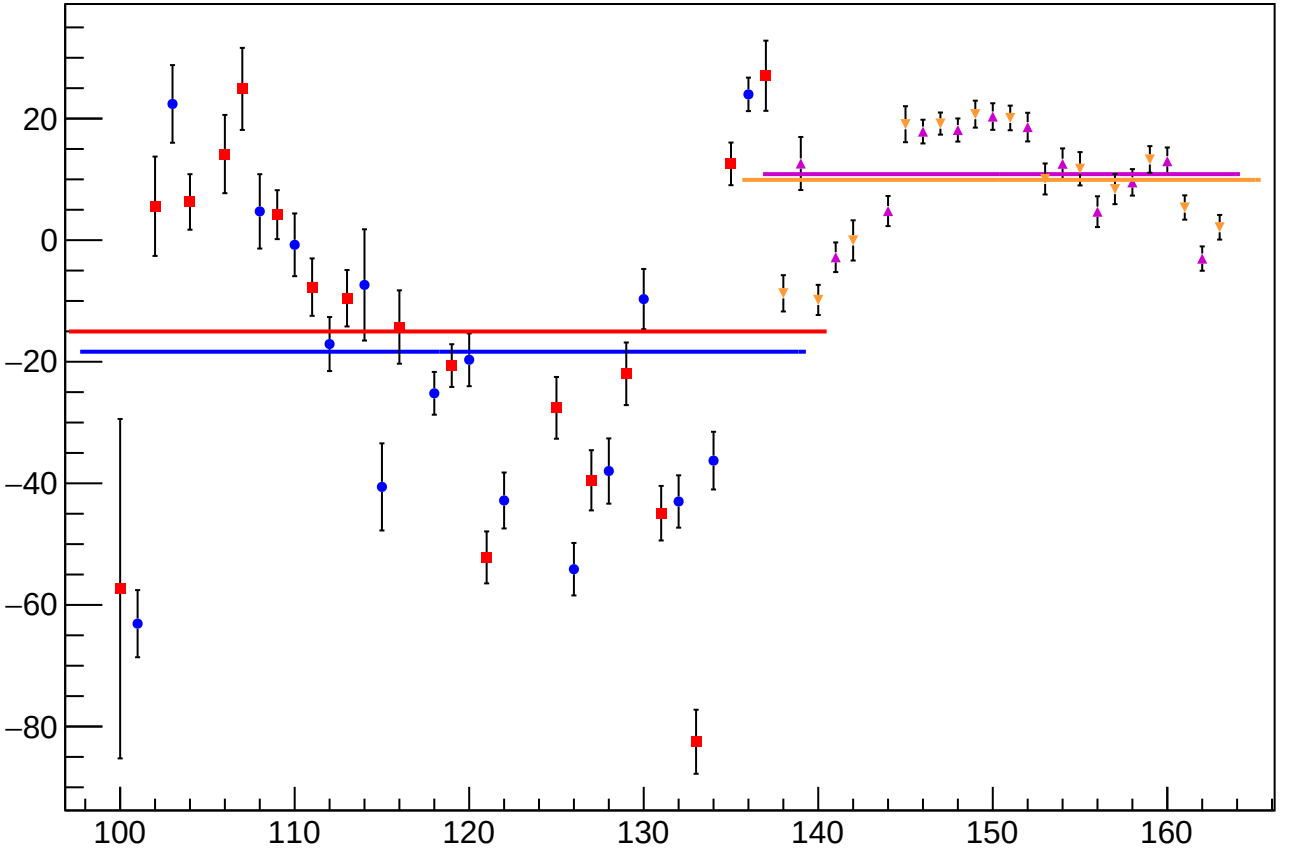
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -133.798+/-0.642 χ^2/NDF:7763.3/27

Out: -129.302+/-0.638 χ^2/NDF:7614.0/30

All: -131.536+/-0.453 χ^2/NDF: 15402.0/58

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 9.919+/-0.648 χ^2/NDF:219.1/12

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 10.861+/-0.662 χ^2/NDF:150.4/11

Left: 10.380+/-0.463 χ^2/NDF: 370.5/24

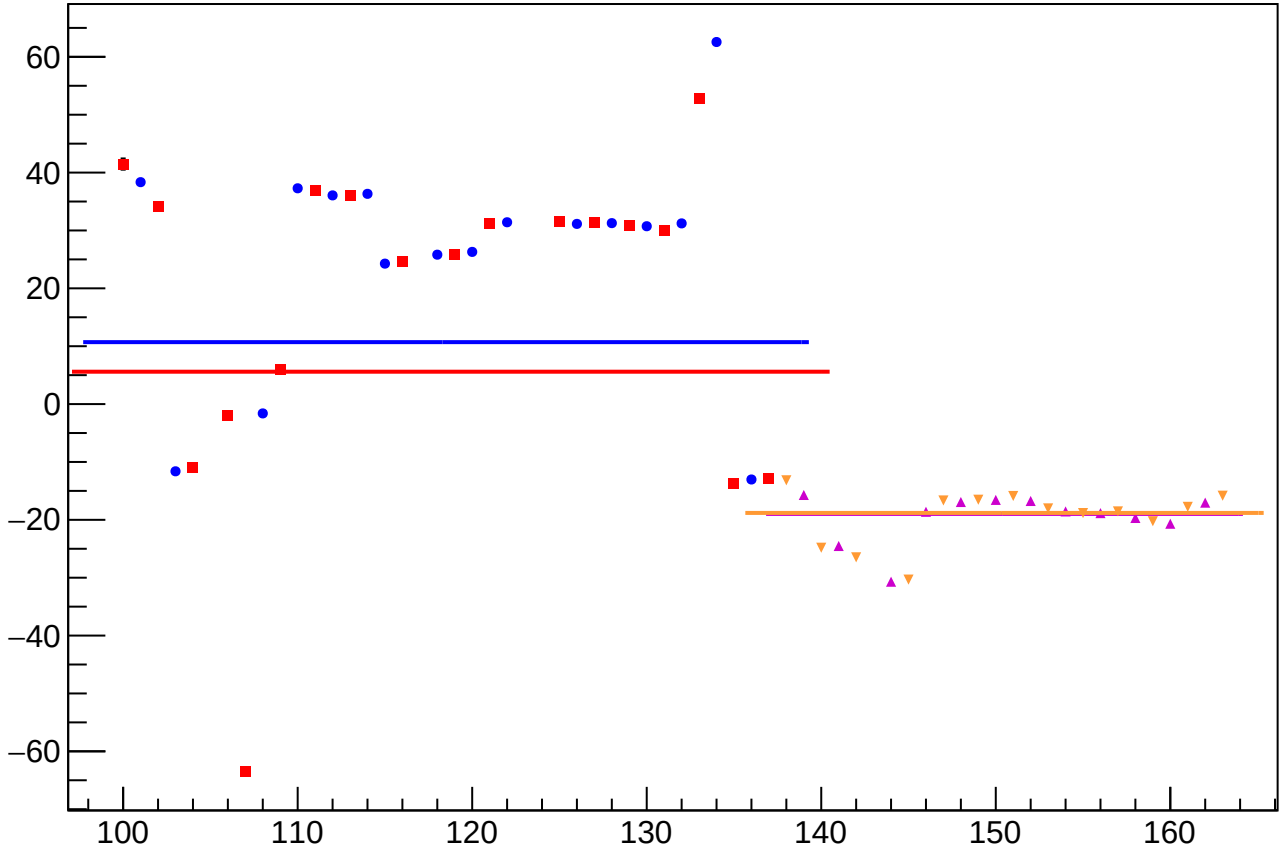
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.680+/-0.575 χ^2/NDF:1173.0/27

Out: 4.001+/-0.566 χ^2/NDF:1117.1/30

All: 3.843+/-0.403 χ^2/NDF: 2290.2/58

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -18.806+/-0.030 χ^2/NDF:19426.5/12

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -18.982+/-0.030 χ^2/NDF:13533.4/11

Left: -18.894+/-0.021 χ^2/NDF: 32977.3/24

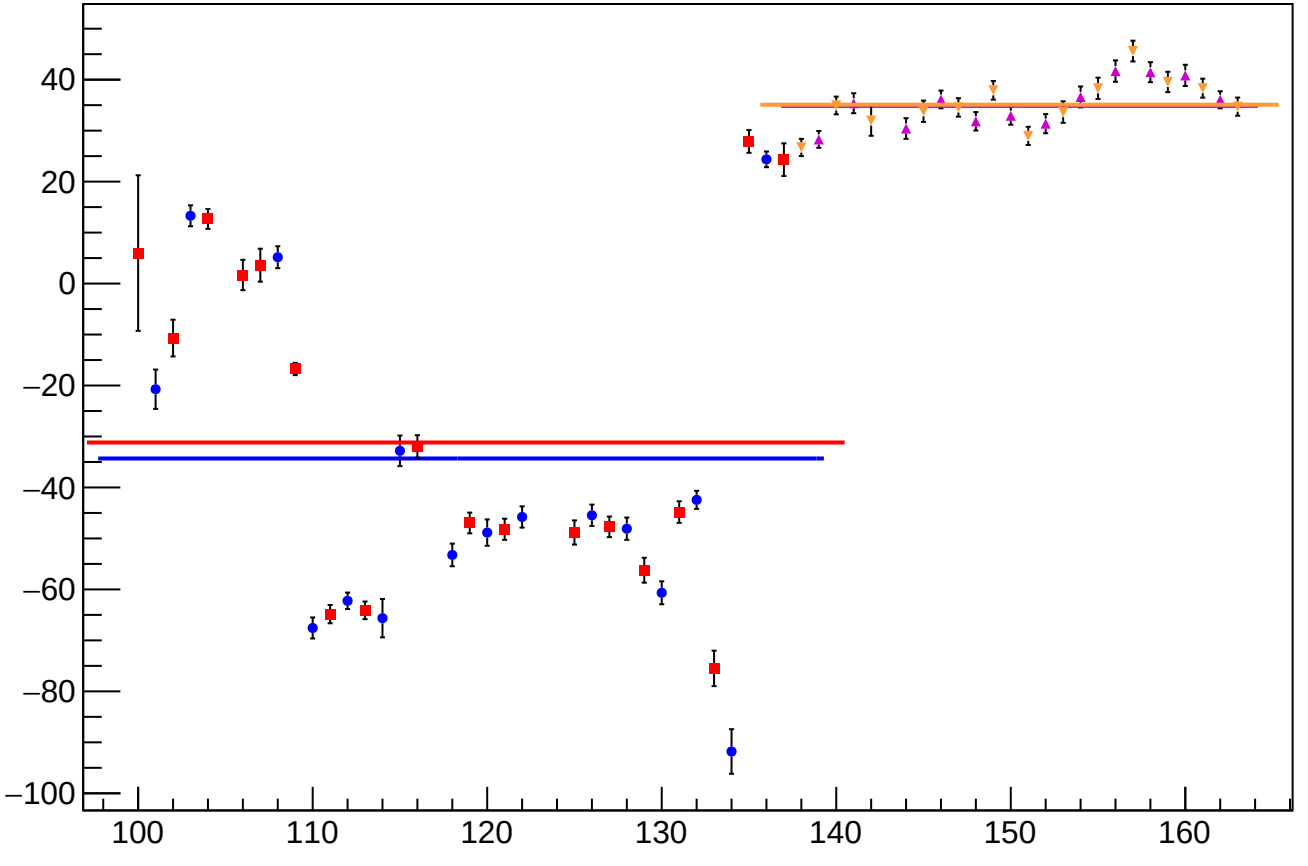
Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.522+/-0.027 χ^2/NDF:360150.2/27

Out: -14.415+/-0.027 χ^2/NDF:295044.0/30

All: -13.968+/-0.019 χ^2/NDF: 655742.3/58

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: 35.095+/-0.536 χ^2/NDF:77.8/12

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 34.859+/-0.540 χ^2/NDF:60.2/11

Left: 34.978+/-0.380 χ^2/NDF: 138.2/24

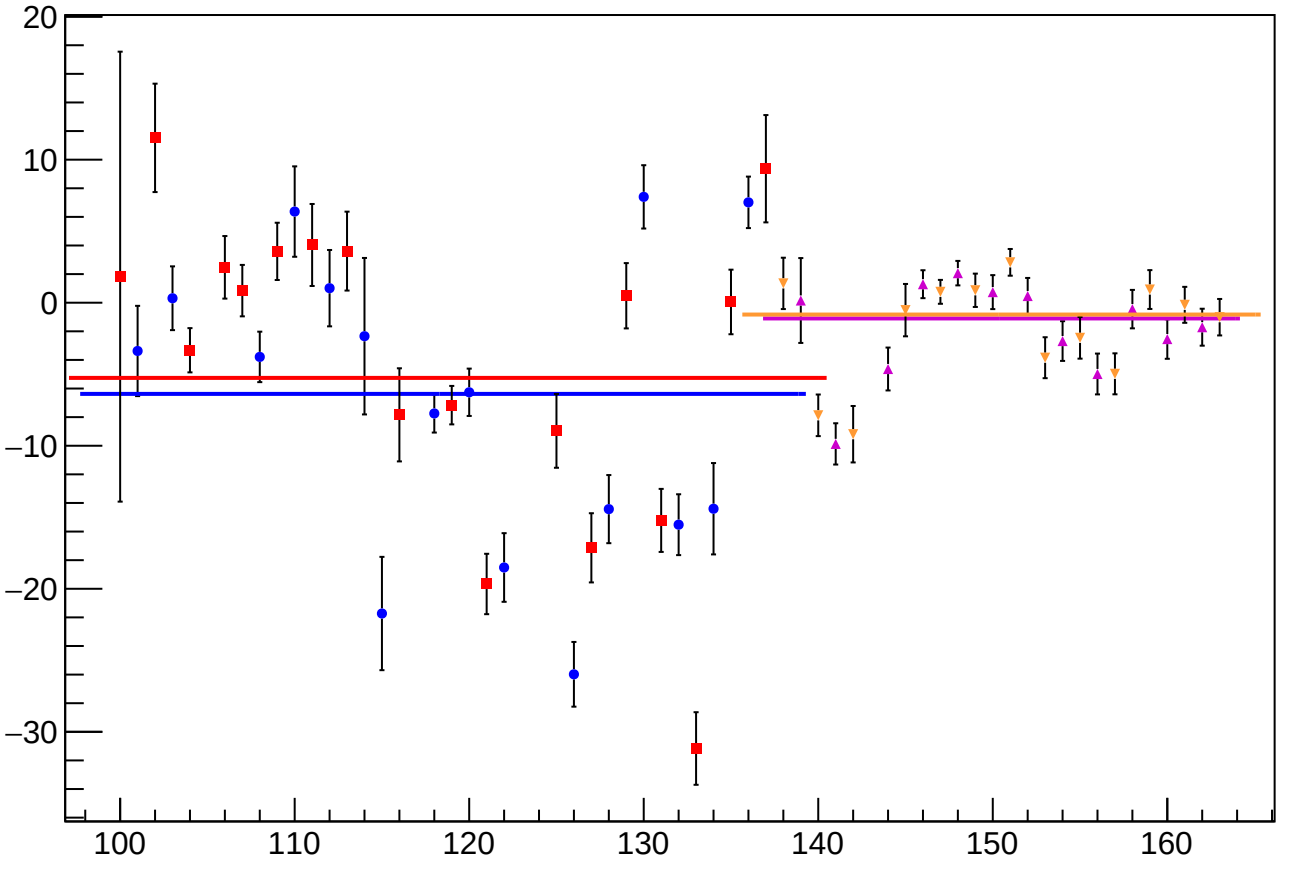
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 0.736+/-0.385 χ^2/NDF:11640.8/27

Out: 0.714+/-0.371 χ^2/NDF:11223.5/30

All: 0.725+/-0.267 χ^2/NDF: 22864.4/58

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -0.828+/-0.356 χ^2/NDF:80.0/12

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.101+/-0.366 χ^2/NDF:76.6/11

Left: -0.961+/-0.255 χ^2/NDF: 156.9/24

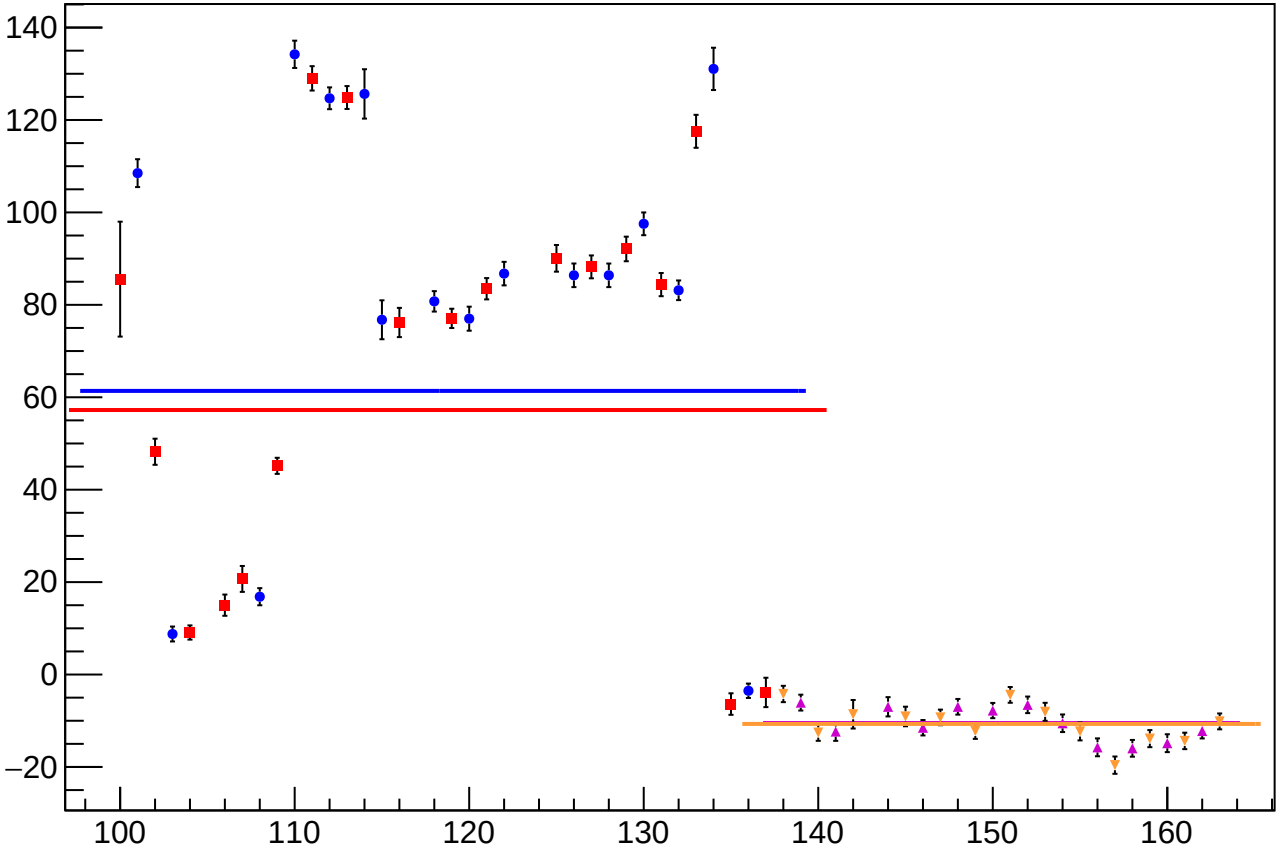
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.704+/-0.305 χ^2/NDF:423.4/27

Out: -2.195+/-0.296 χ^2/NDF:440.7/30

All: -2.442+/-0.212 χ^2/NDF: 865.5/58

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -10.686+/-0.516 χ^2/NDF:63.2/12

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -10.489+/-0.520 χ^2/NDF:45.2/11

Left: -10.588+/-0.366 χ^2/NDF: 108.5/24

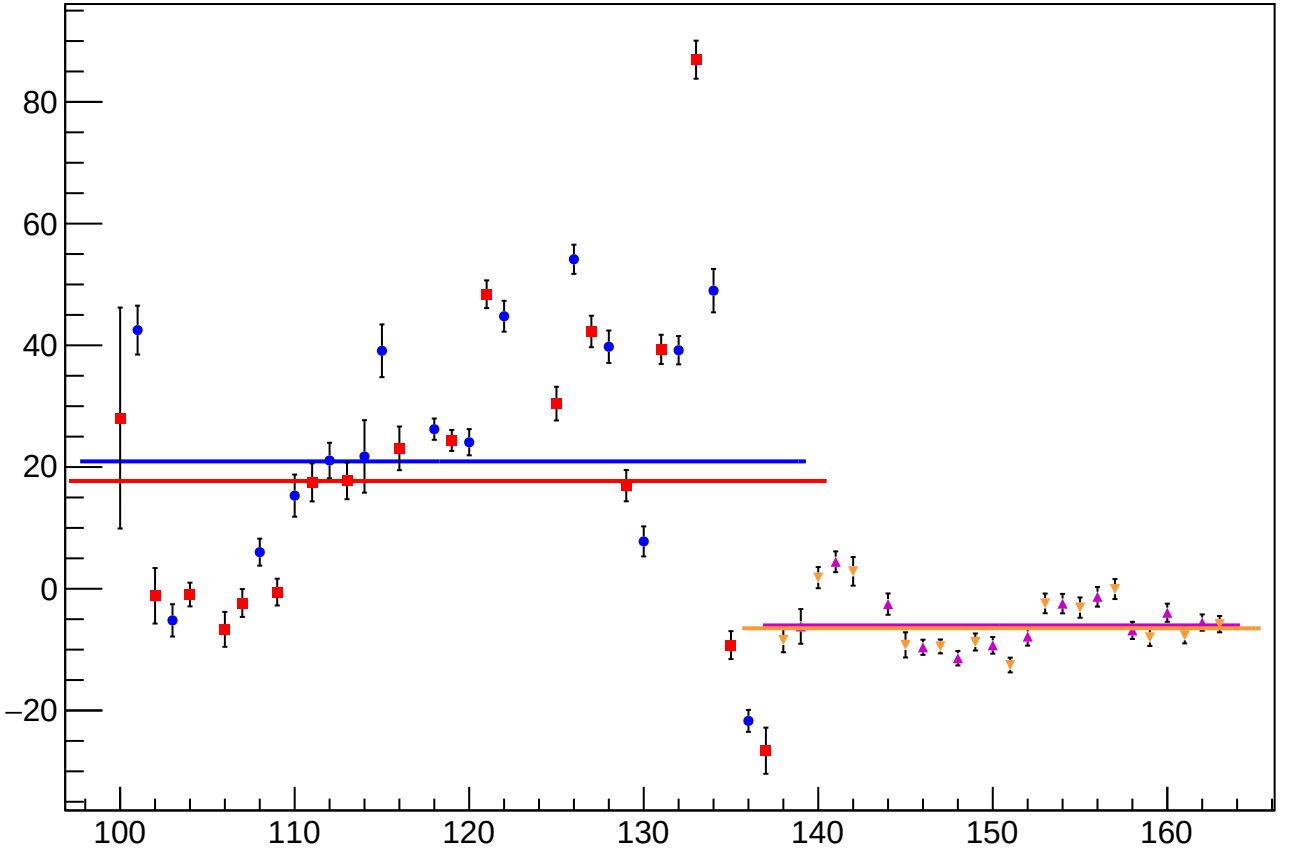
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 20.647+/-0.391 χ^2/NDF:14399.3/27

Out: 19.297+/-0.385 χ^2/NDF:12987.0/30

All: 19.962+/-0.275 χ^2/NDF: 27392.3/58

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -6.495+/-0.420 χ^2/NDF:103.6/12

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -6.025+/-0.430 χ^2/NDF:93.2/11

Left: -6.265+/-0.301 χ^2/NDF: 197.5/24

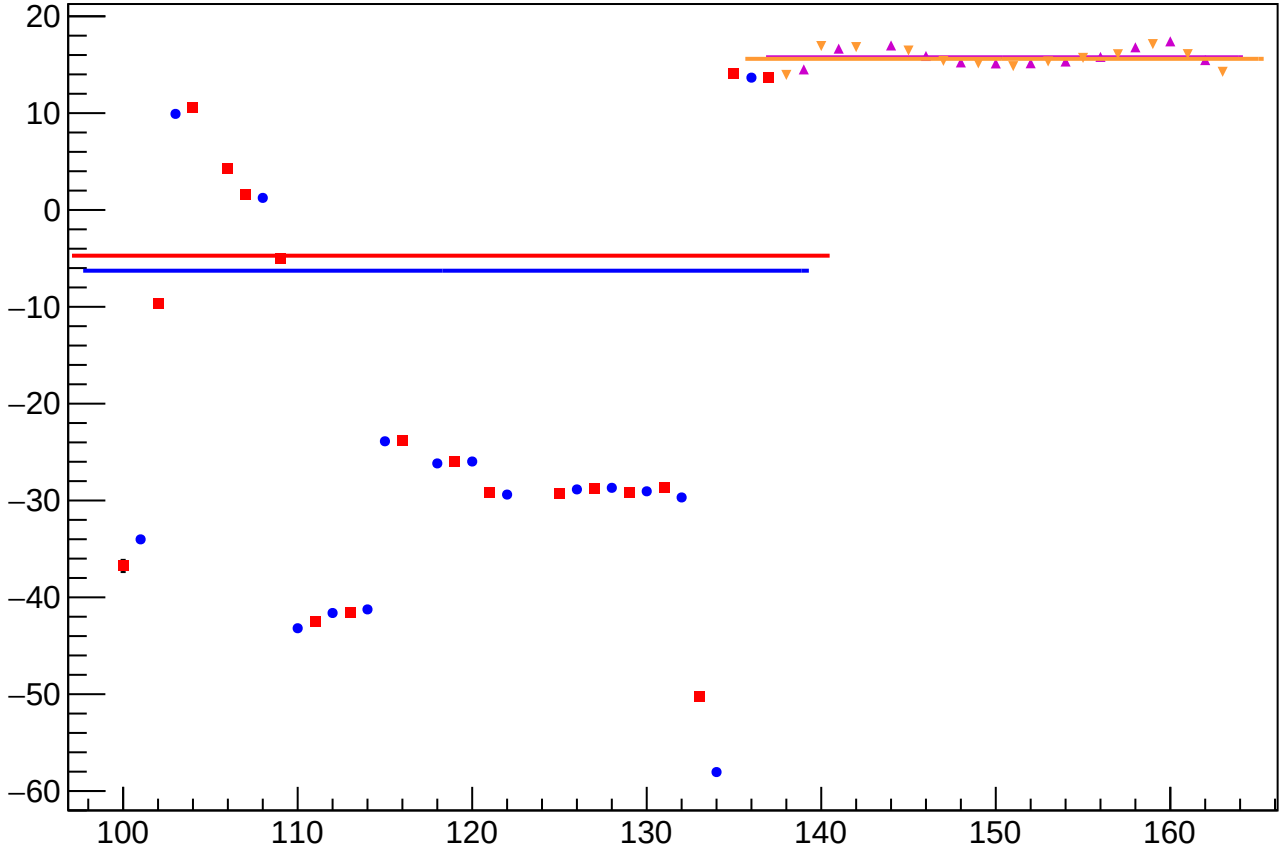
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 2.362+/-0.357 χ^2/NDF:2560.1/27

Out: 1.150+/-0.347 χ^2/NDF:2634.8/30

All: 1.739+/-0.249 χ^2/NDF: 5200.8/58

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.607+/-0.019 χ^2/NDF:2400.0/12

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.766+/-0.019 χ^2/NDF:1868.1/11

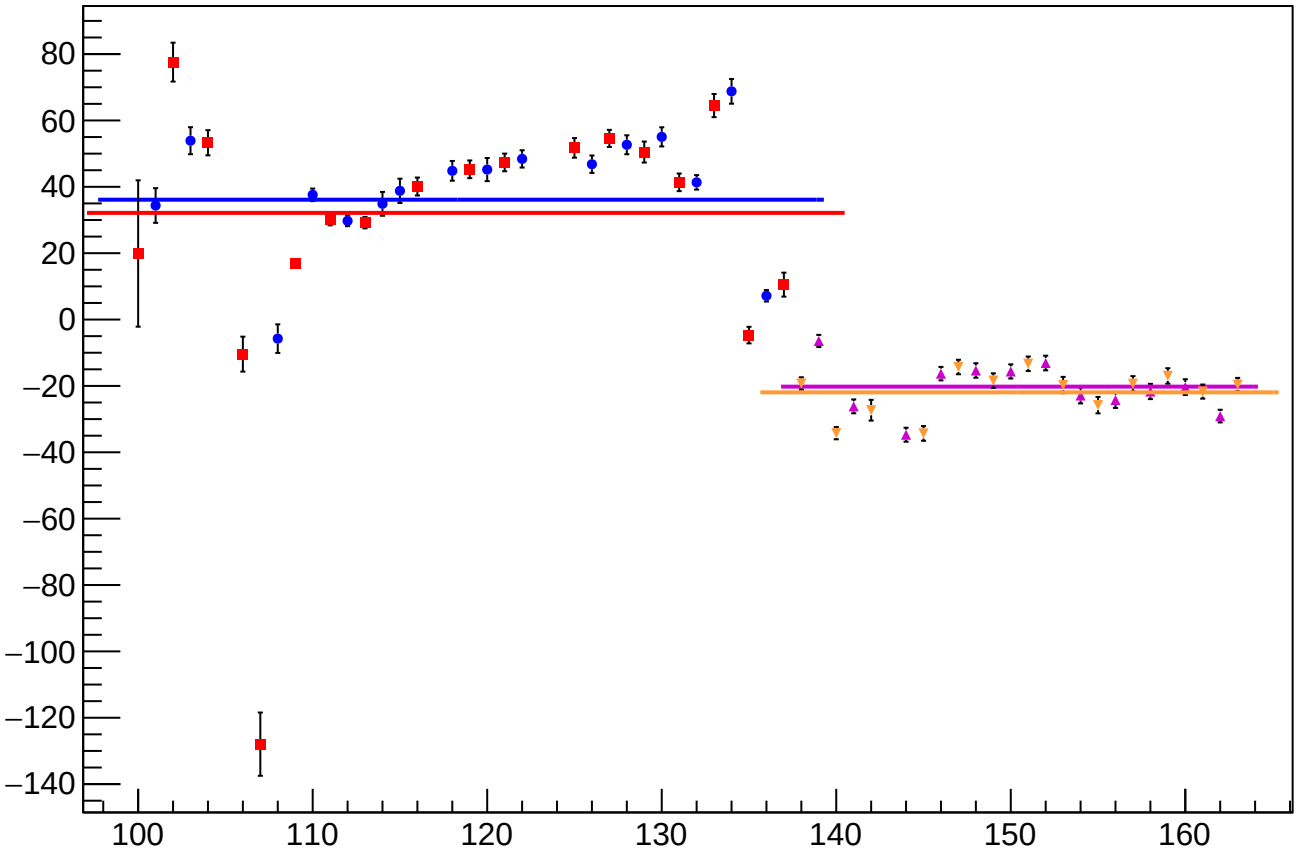
Left: 15.687+/-0.014 χ^2/NDF: 4301.7/24

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

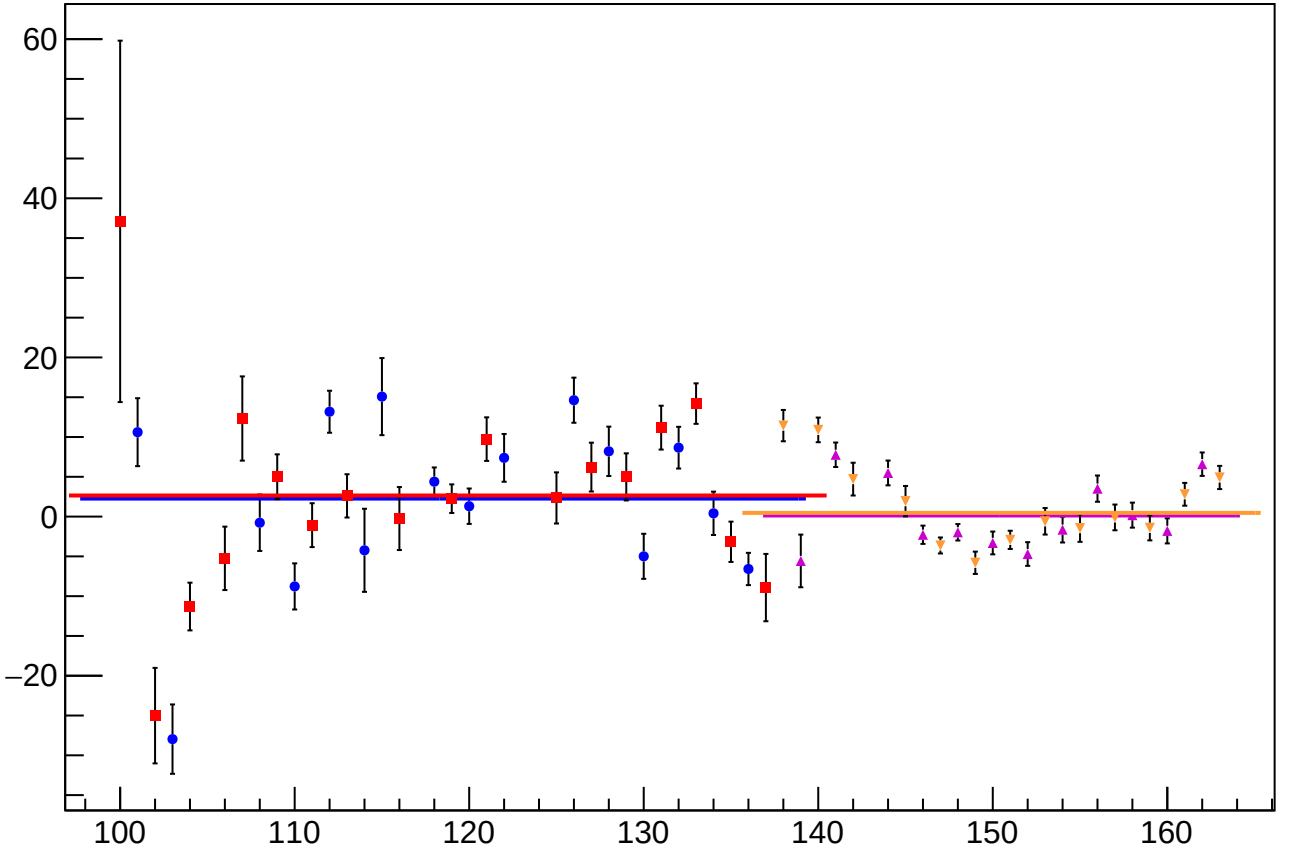
In: 10.209+/-0.017 χ^2/NDF:737571.6/27

Out: 10.556+/-0.017 χ^2/NDF:582653.9/30

All: 10.382+/-0.012 χ^2/NDF: 1320438.3/58


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
Right In: 36.118+/-0.656 χ²/NDF: 622.8/15
Left Out: -21.939+/-0.611 χ²/NDF:121.3/12
Right Out: 32.150+/-0.631 χ²/NDF: 1114.6/17
Left In: -20.217+/-0.619 χ²/NDF:161.4/11
Left: -21.088+/-0.435 χ²/NDF: 286.6/24
Right: 34.055+/-0.455 χ²/NDF: 1756.4/33
In: 6.277+/-0.450 χ²/NDF:4685.6/27
Out: 4.250+/-0.439 χ²/NDF:5030.6/30
All: 5.238+/-0.314 χ²/NDF: 9726.6/58

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.466+/-0.412 χ^2/NDF:141.7/12

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.138+/-0.423 χ^2/NDF:90.4/11

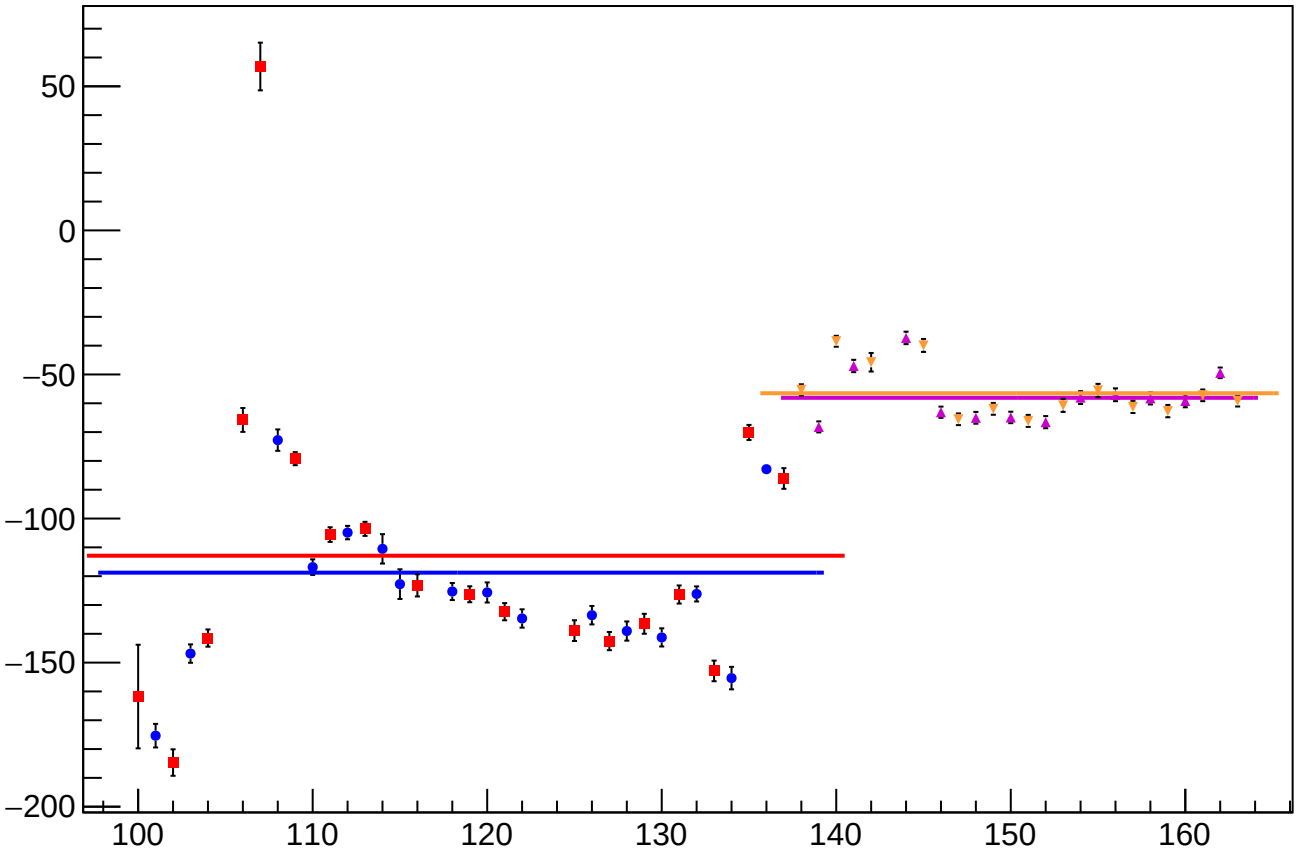
Left: 0.306+/-0.295 χ^2/NDF: 232.5/24

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.706+/-0.362 χ^2/NDF:249.2/27

Out: 1.011+/-0.357 χ^2/NDF:256.0/30

All: 0.861+/-0.254 χ^2/NDF: 505.5/58



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -56.516+/-0.591 χ^2/NDF:222.4/12

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.099+/-0.596 χ^2/NDF:215.1/11

Left: -57.300+/-0.420 χ^2/NDF: 441.1/24

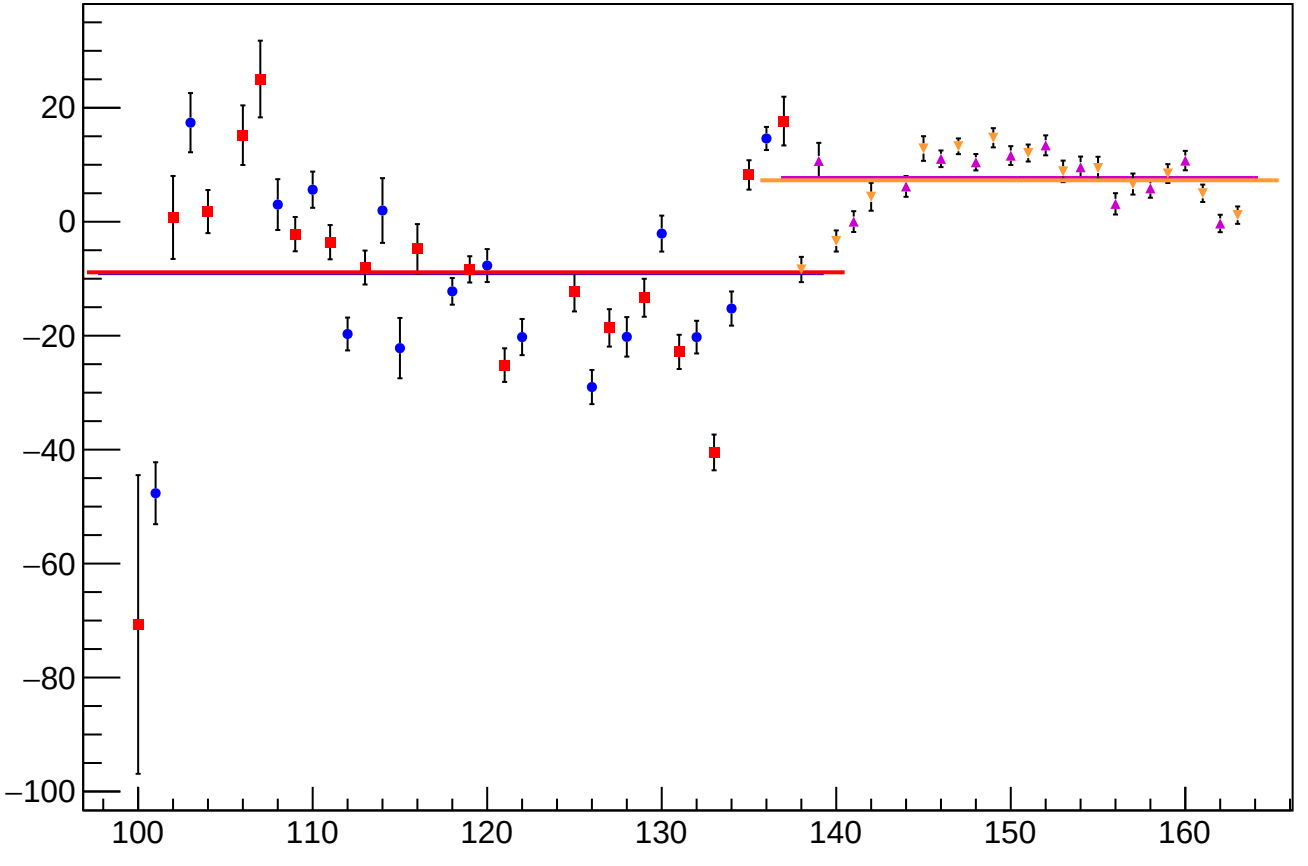
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -81.346+/-0.468 χ^2/NDF:5300.1/27

Out: -77.710+/-0.467 χ^2/NDF:5511.6/30

All: -79.521+/-0.331 χ^2/NDF: 10841.9/58

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 7.270+/-0.485 χ^2/NDF:160.6/12

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 7.677+/-0.496 χ^2/NDF:83.1/11

Left: 7.469+/-0.347 χ^2/NDF: 244.1/24

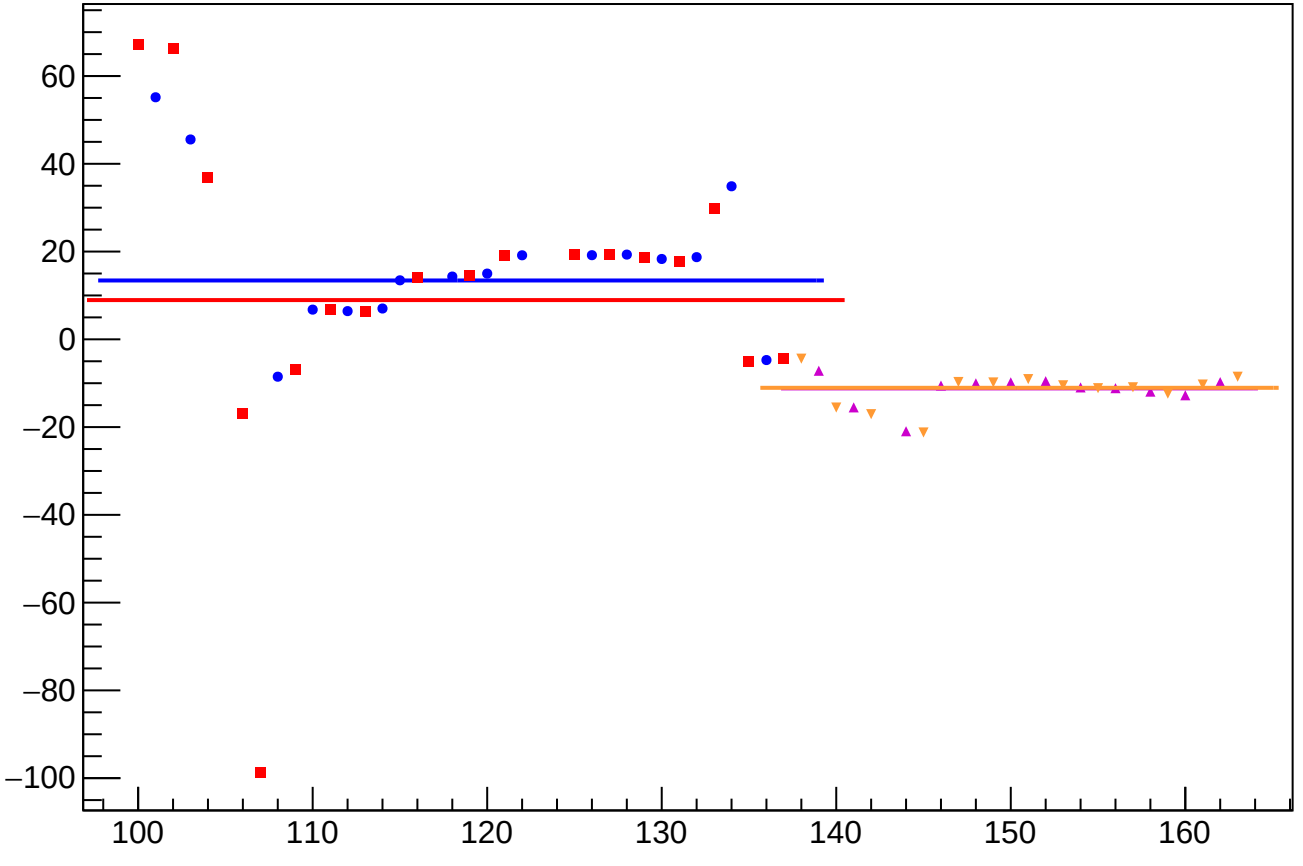
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.997+/-0.421 χ^2/NDF:758.2/27

Out: 3.018+/-0.416 χ^2/NDF:771.8/30

All: 3.008+/-0.296 χ^2/NDF: 1530.0/58

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -11.049+/-0.022 χ^2/NDF:28320.9/12

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.185+/-0.022 χ^2/NDF:18065.8/11

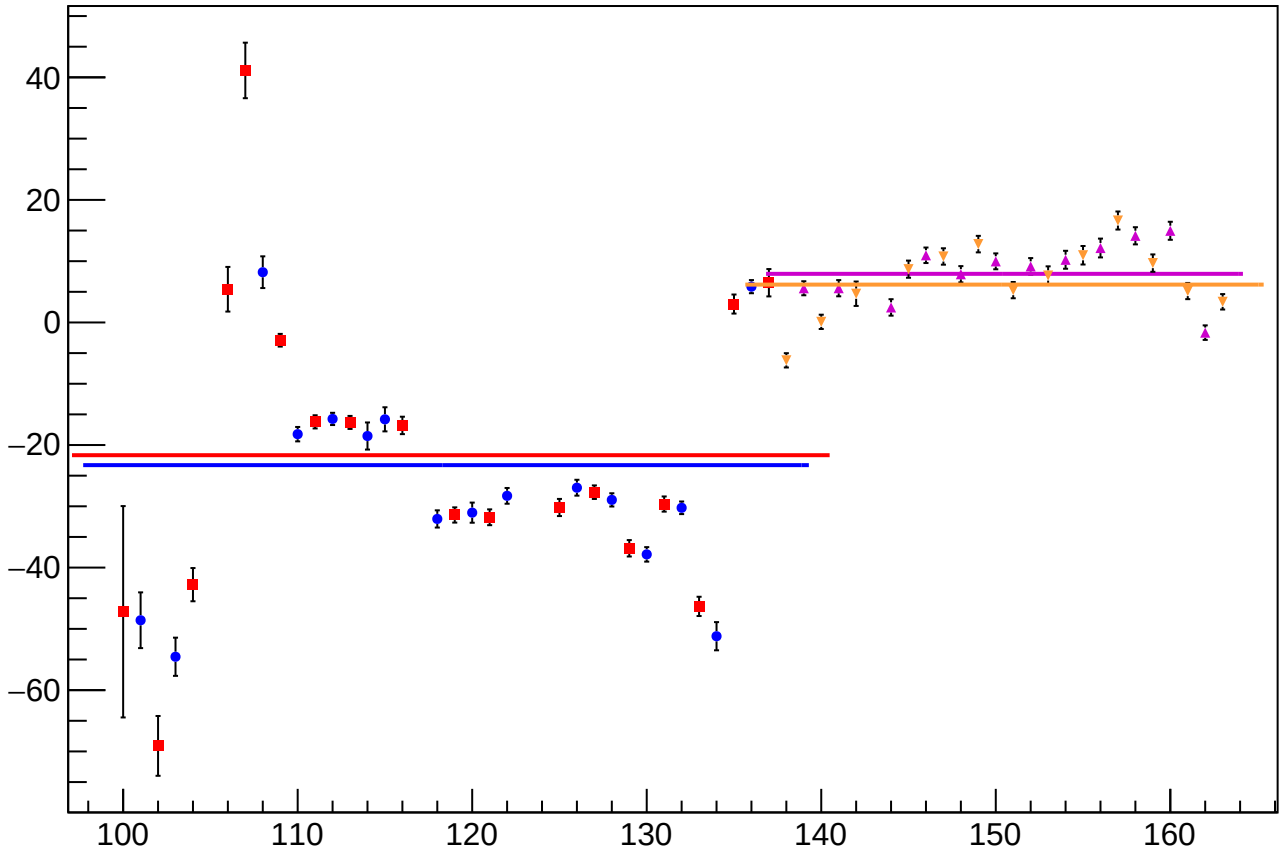
Left: -11.117+/-0.016 χ^2/NDF: 46405.4/24

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.380+/-0.020 χ^2/NDF:439196.7/27

Out: -7.449+/-0.020 χ^2/NDF:465312.6/30

All: -6.912+/-0.014 χ^2/NDF: 905929.5/58



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 6.178+/-0.379 χ^2/NDF:252.4/12

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.935+/-0.384 χ^2/NDF:151.0/11

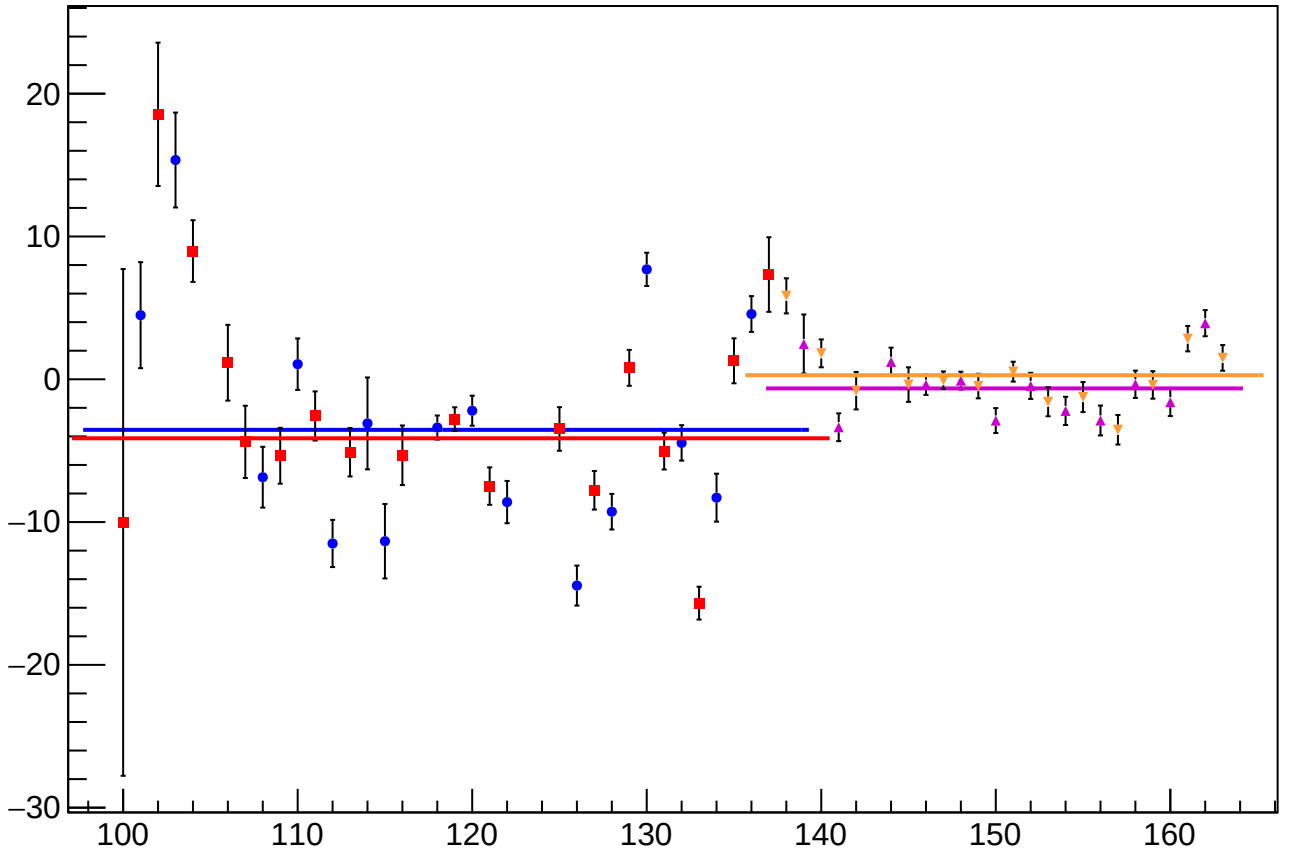
Left: 7.047+/-0.270 χ^2/NDF: 414.0/24

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -9.082+/-0.259 χ^2/NDF:5329.0/27

Out: -8.960+/-0.256 χ^2/NDF:4996.6/30

All: -9.020+/-0.182 χ^2/NDF: 10325.7/58



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.285+/-0.255 χ^2/NDF:54.8/12

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.640+/-0.261 χ^2/NDF:54.3/11

Left: -0.166+/-0.182 χ^2/NDF: 115.6/24

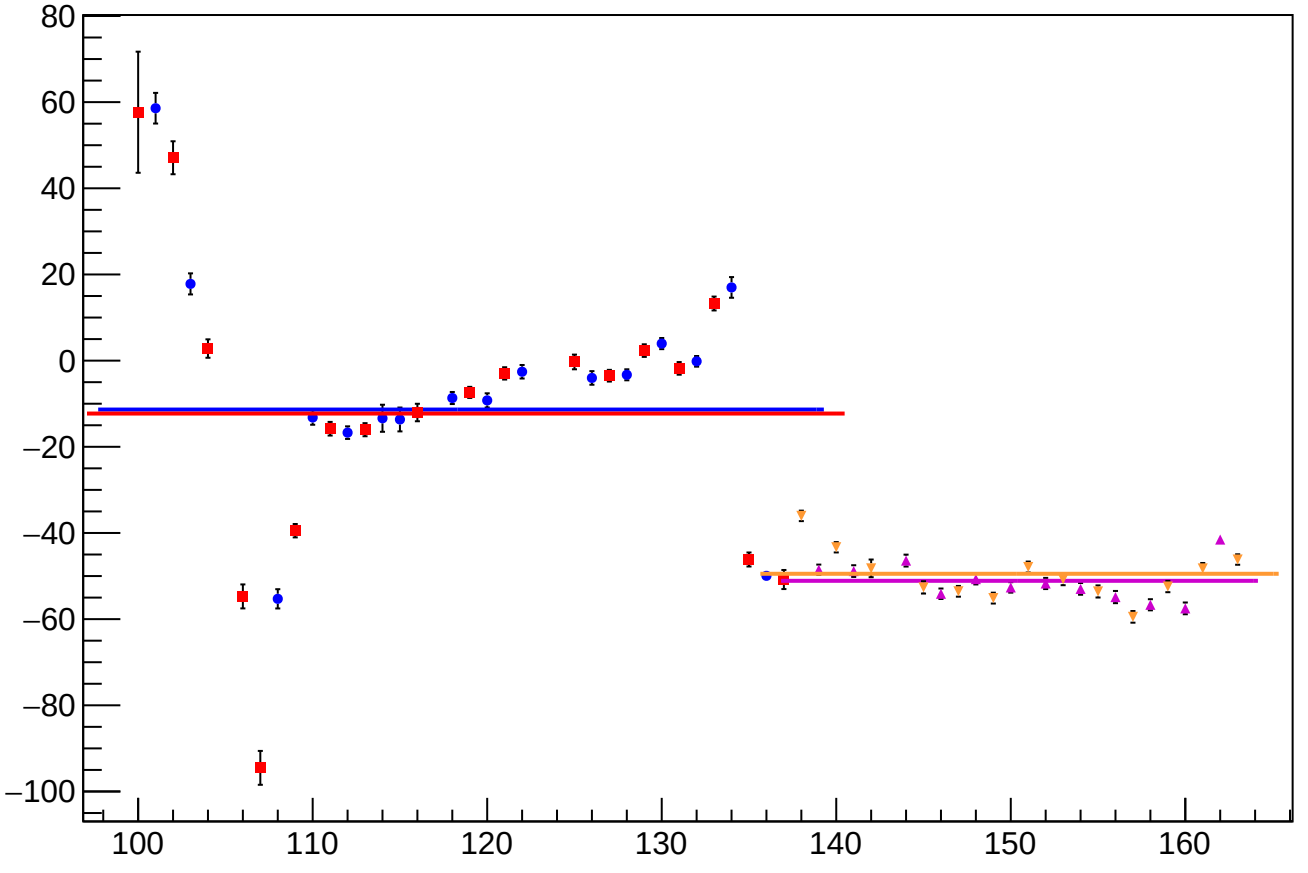
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.633+/-0.212 χ^2/NDF:413.2/27

Out: -1.132+/-0.210 χ^2/NDF:378.7/30

All: -1.380+/-0.149 χ^2/NDF: 794.7/58

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -49.473+/-0.366 χ^2/NDF:263.0/12

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -51.105+/-0.370 χ^2/NDF:147.0/11

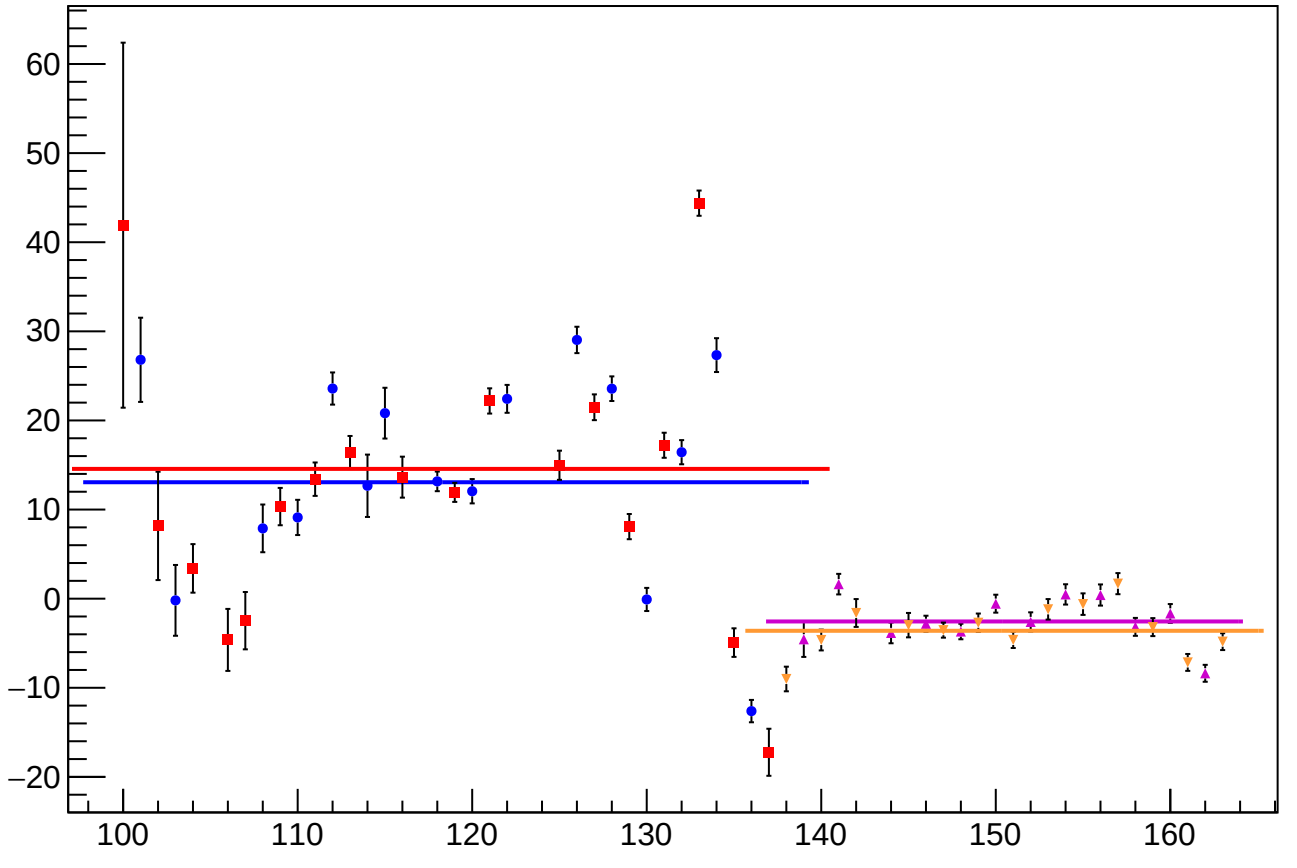
Left: -50.281+/-0.260 χ^2/NDF: 419.8/24

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.078+/-0.273 χ^2/NDF:8055.5/27

Out: -33.108+/-0.274 χ^2/NDF:7391.3/30

All: -33.093+/-0.193 χ^2/NDF: 15446.8/58



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.605+/-0.300 χ^2/NDF:66.3/12

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.558+/-0.307 χ^2/NDF:73.1/11

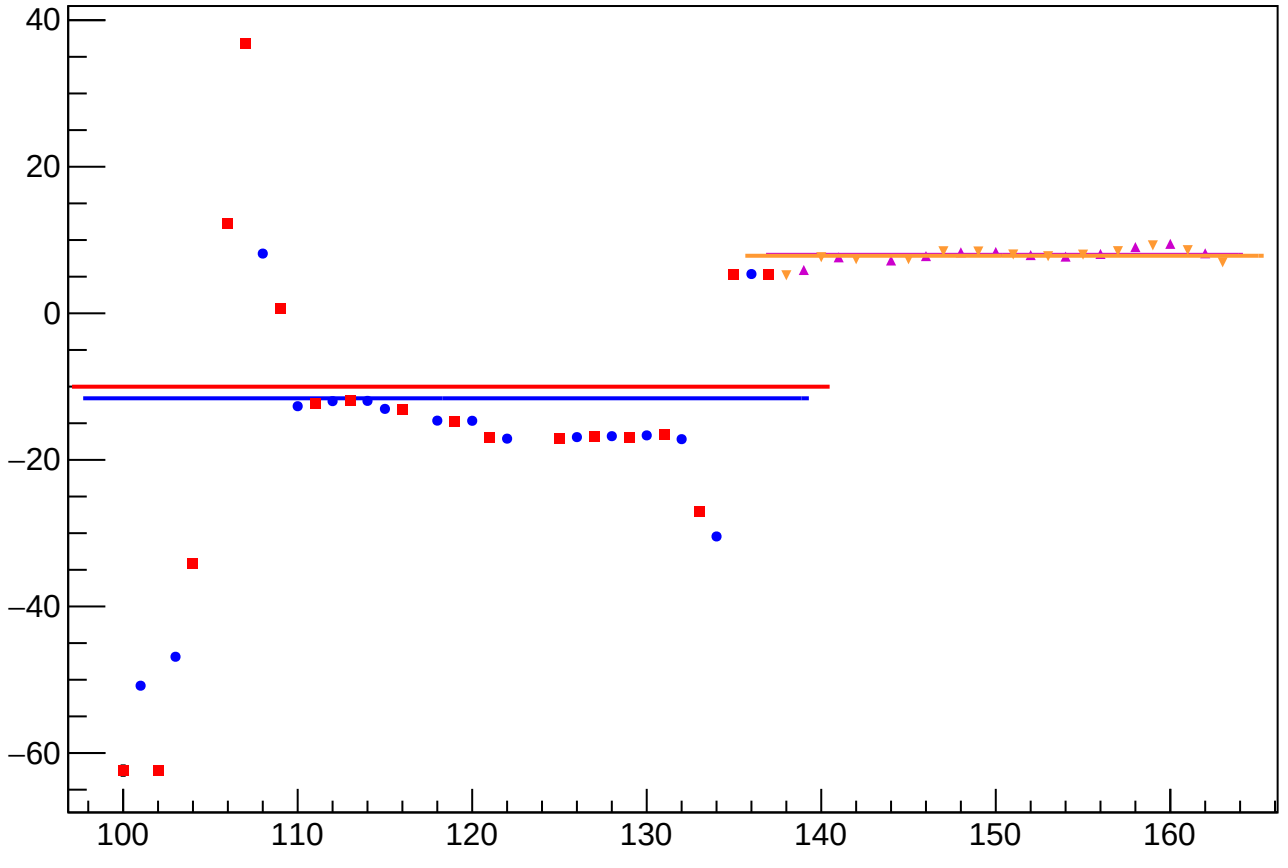
Left: -3.094+/-0.214 χ^2/NDF: 145.4/24

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 2.973+/-0.247 χ^2/NDF:1853.4/27

Out: 2.477+/-0.244 χ^2/NDF:2199.5/30

All: 2.723+/-0.174 χ^2/NDF: 4054.9/58



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.854+/-0.014 χ^2/NDF:5361.9/12

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.982+/-0.014 χ^2/NDF:4253.3/11

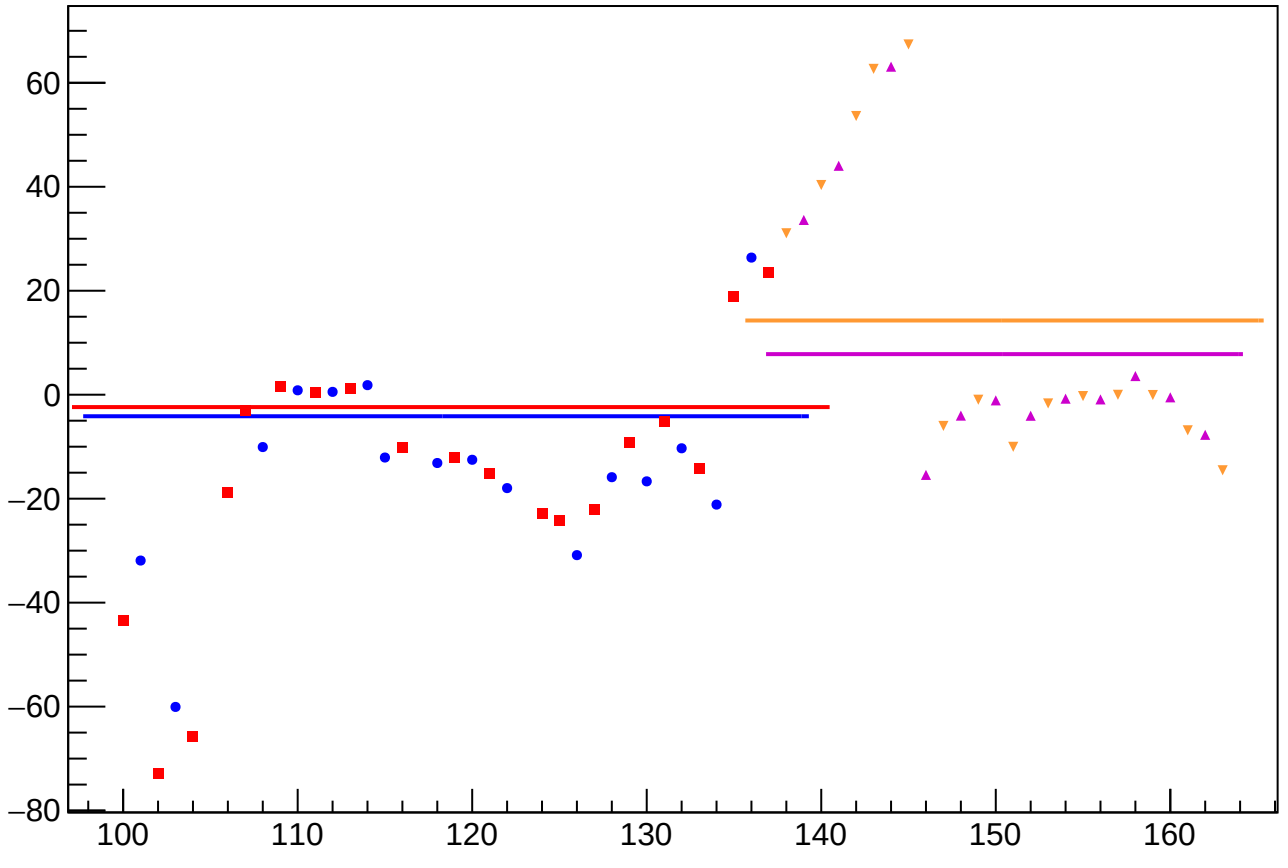
Left: 7.918+/-0.010 χ^2/NDF: 9657.8/24

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.747+/-0.012 χ^2/NDF:798718.6/27

Out: 4.259+/-0.012 χ^2/NDF:740146.3/30

All: 4.002+/-0.009 χ^2/NDF: 1539735.0/58



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 14.275+/-0.070 χ^2/NDF:130897.8/13

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 7.805+/-0.061 χ^2/NDF:109466.1/11

Left: 10.603+/-0.046 χ^2/NDF: 245196.2/25

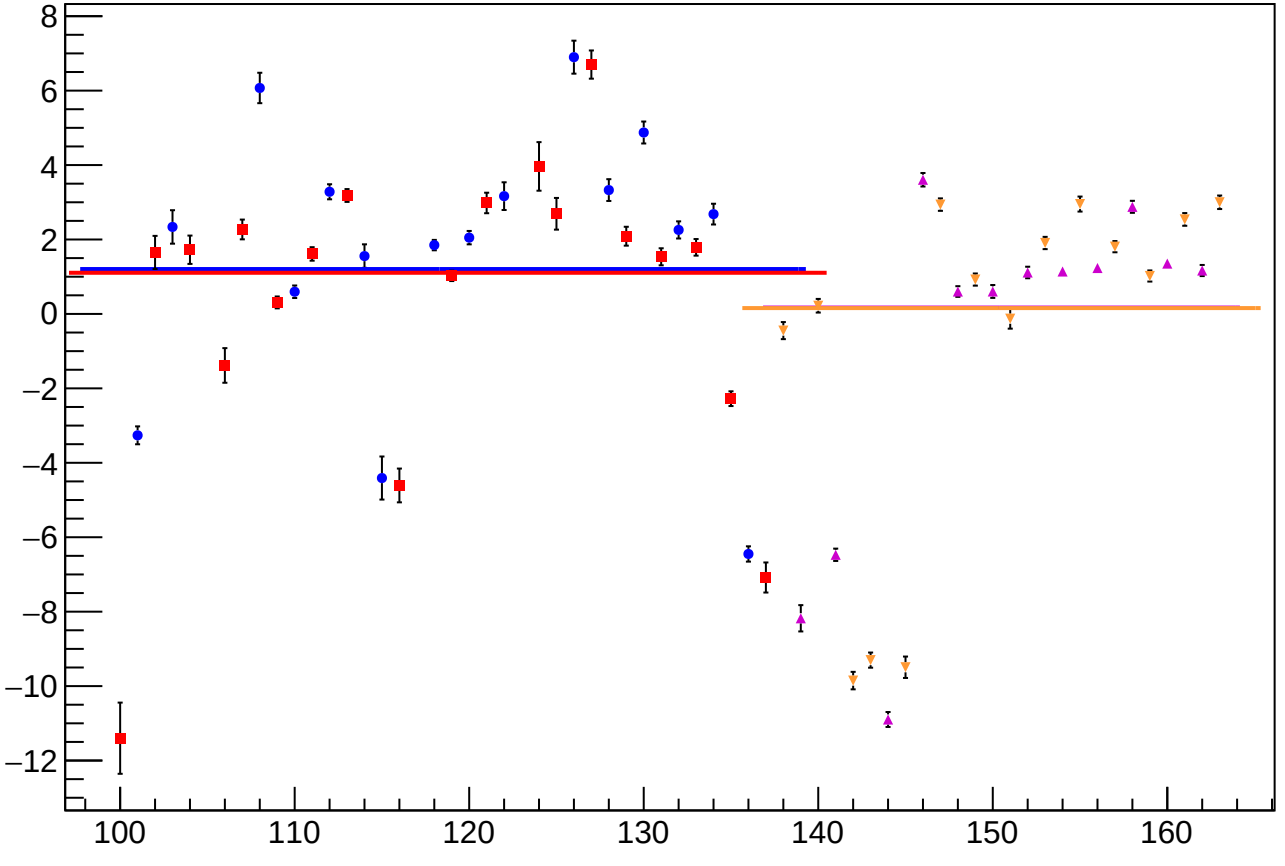
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 1.158+/-0.041 χ^2/NDF:205923.9/27

Out: 2.650+/-0.039 χ^2/NDF:251029.8/32

All: 1.946+/-0.028 χ^2/NDF: 457661.1/60

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: 0.157+/-0.050 χ^2/NDF:6304.6/13

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.172+/-0.043 χ^2/NDF:6201.0/11

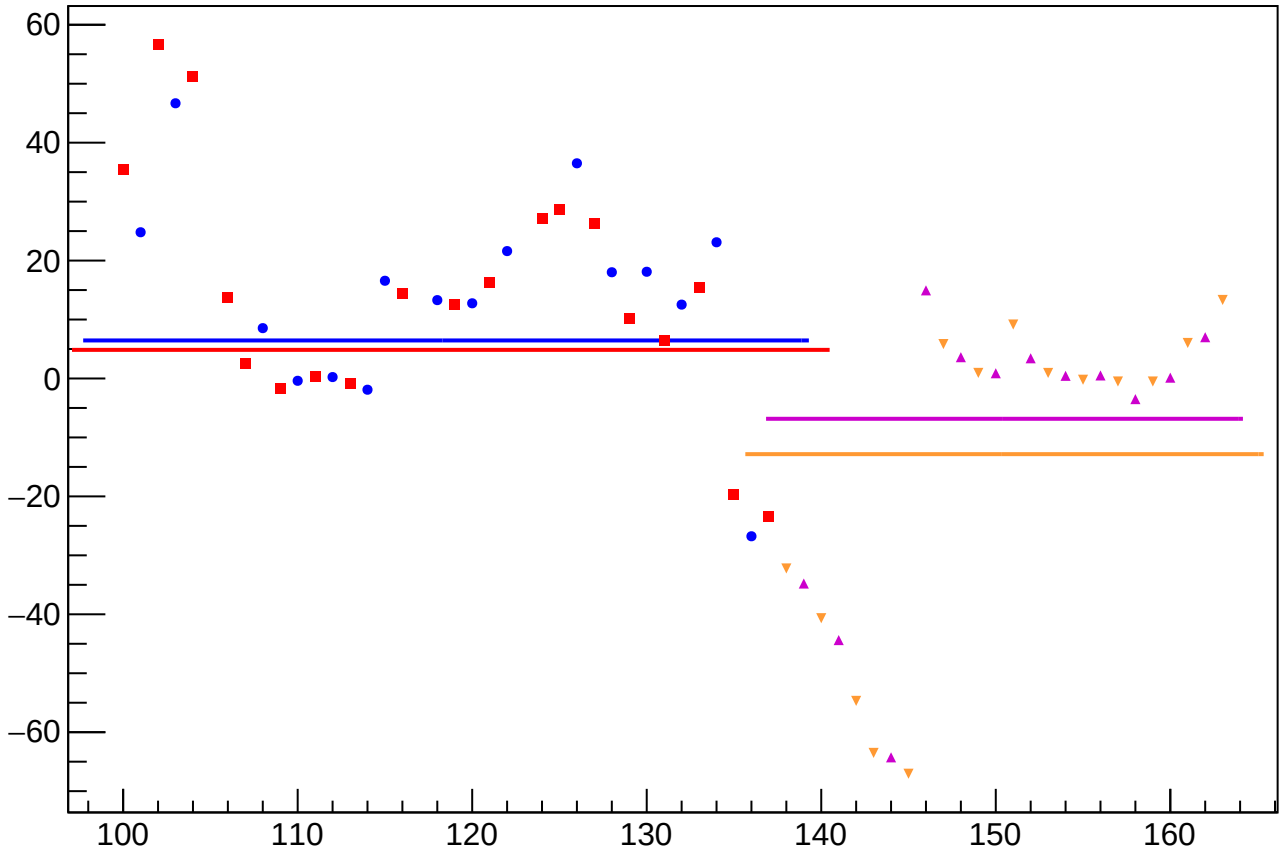
Left: 0.165+/-0.032 χ^2/NDF: 12505.7/25

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.517+/-0.035 χ^2/NDF:8980.6/27

Out: 0.565+/-0.038 χ^2/NDF:8048.6/32

All: 0.539+/-0.026 χ^2/NDF: 17030.1/60



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -12.835+/-0.068 χ^2/NDF:130324.2/13

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -6.837+/-0.058 χ^2/NDF:108917.5/11

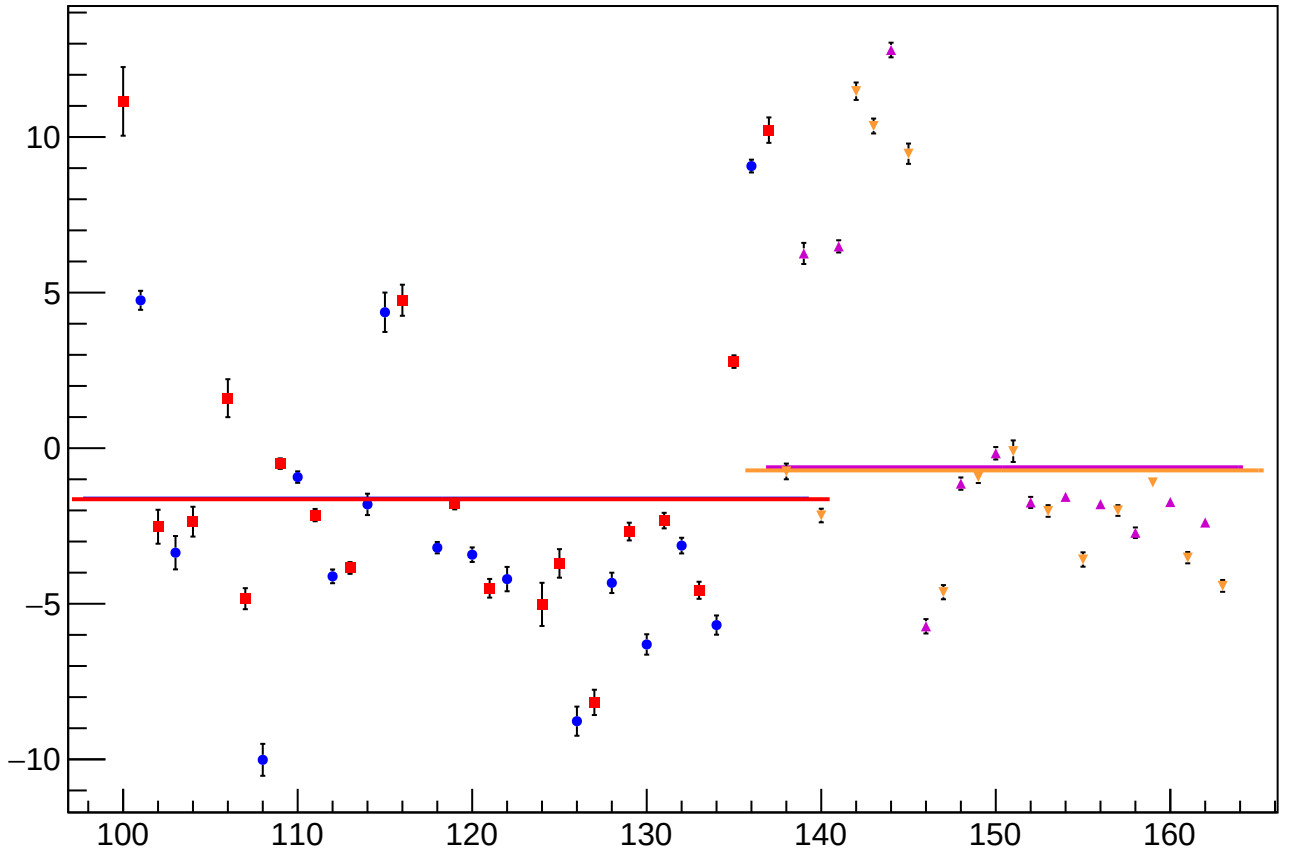
Left: -9.386+/-0.044 χ^2/NDF: 243735.9/25

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.930+/-0.043 χ^2/NDF:202661.6/27

Out: -2.786+/-0.045 χ^2/NDF:244208.2/32

All: -1.834+/-0.031 χ^2/NDF: 447757.5/60



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -0.714+/-0.057 χ^2/NDF:6226.1/13

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -0.615+/-0.049 χ^2/NDF:6010.7/11

Left: -0.657+/-0.037 χ^2/NDF: 12238.6/25

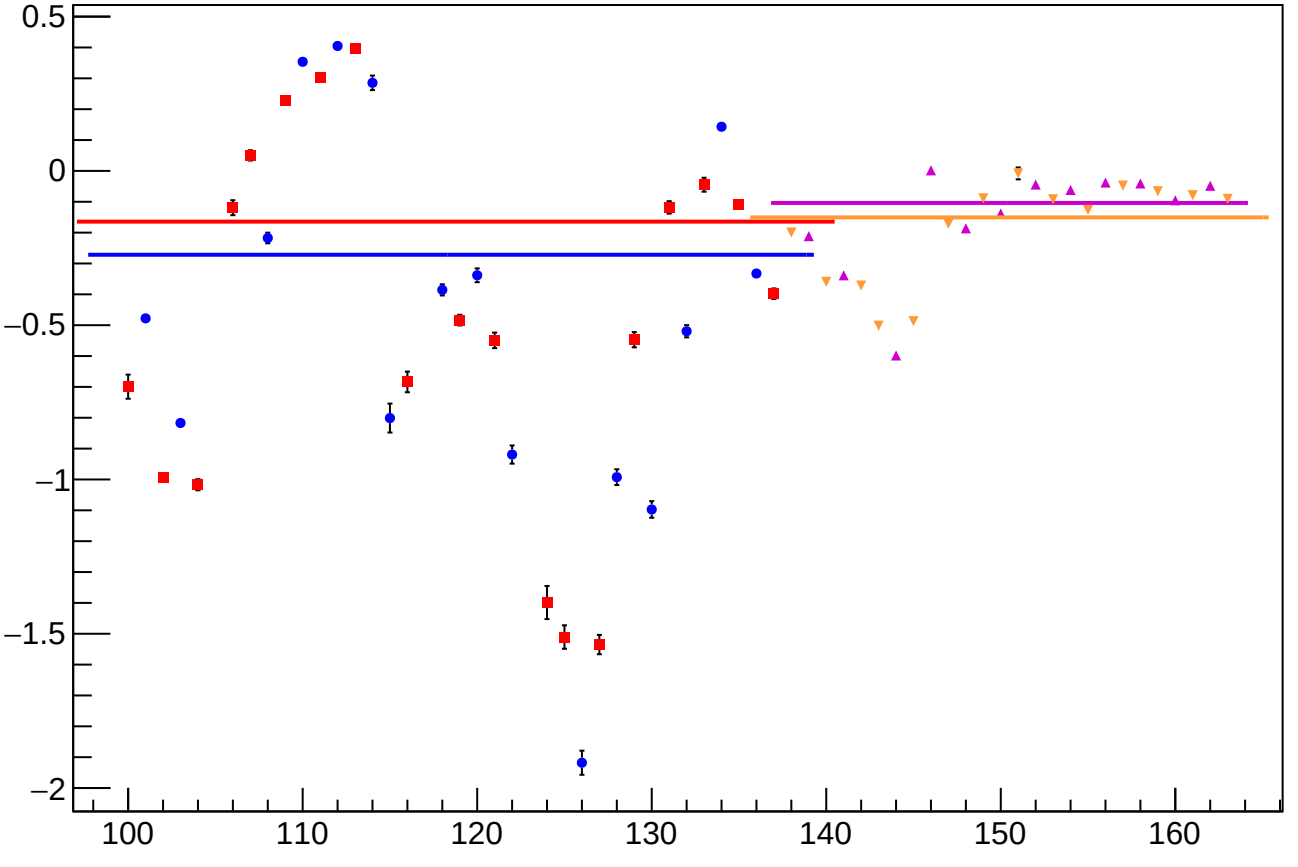
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.947+/-0.040 χ^2/NDF:10676.3/27

Out: -1.119+/-0.043 χ^2/NDF:8804.0/32

All: -1.027+/-0.029 χ^2/NDF: 19489.1/60

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: -0.151+/-0.003 χ^2/NDF:2850.9/13

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.104+/-0.002 χ^2/NDF:2986.4/11

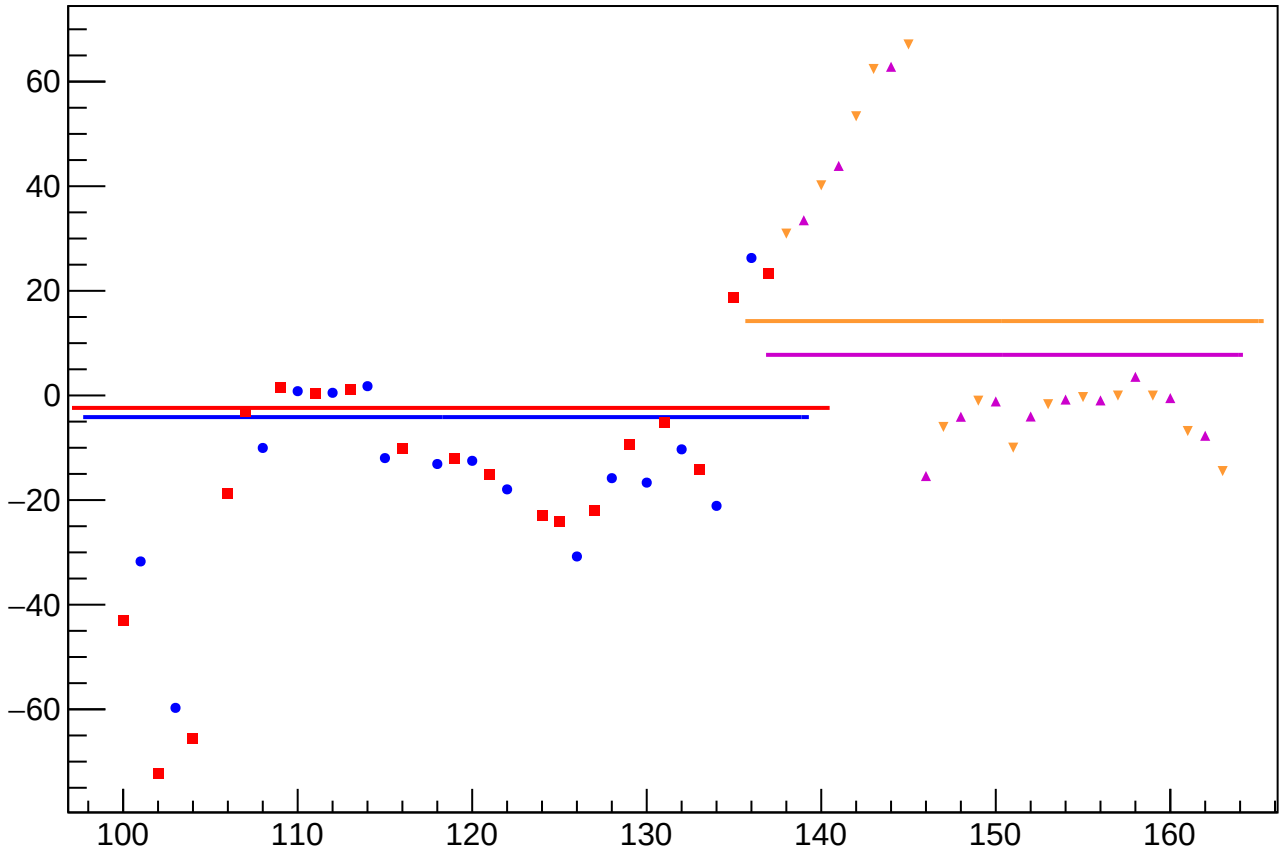
Left: -0.123+/-0.002 χ^2/NDF: 6044.5/25

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.137+/-0.002 χ^2/NDF:16341.4/27

Out: -0.155+/-0.002 χ^2/NDF:18356.9/32

All: -0.145+/-0.001 χ^2/NDF: 34736.8/60



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 14.218+/-0.070 χ^2/NDF:130650.2/13

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 7.764+/-0.061 χ^2/NDF:109383.6/11

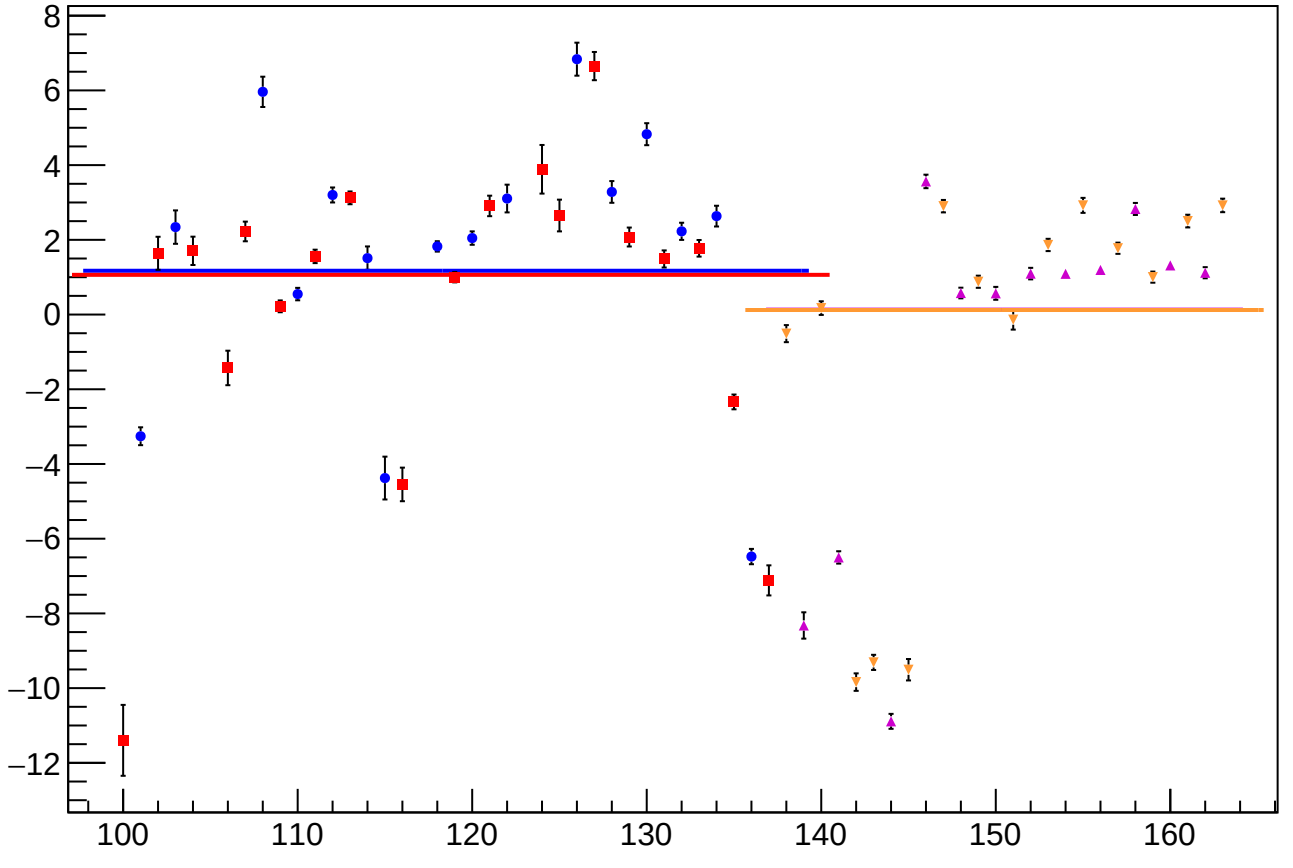
Left: 10.557+/-0.046 χ^2/NDF: 244870.1/25

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 1.122+/-0.041 χ^2/NDF:205827.2/27

Out: 2.612+/-0.038 χ^2/NDF:250749.3/32

All: 1.910+/-0.028 χ^2/NDF: 457288.4/60



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.122+/-0.050 χ^2/NDF:6306.4/13

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.132+/-0.043 χ^2/NDF:6218.9/11

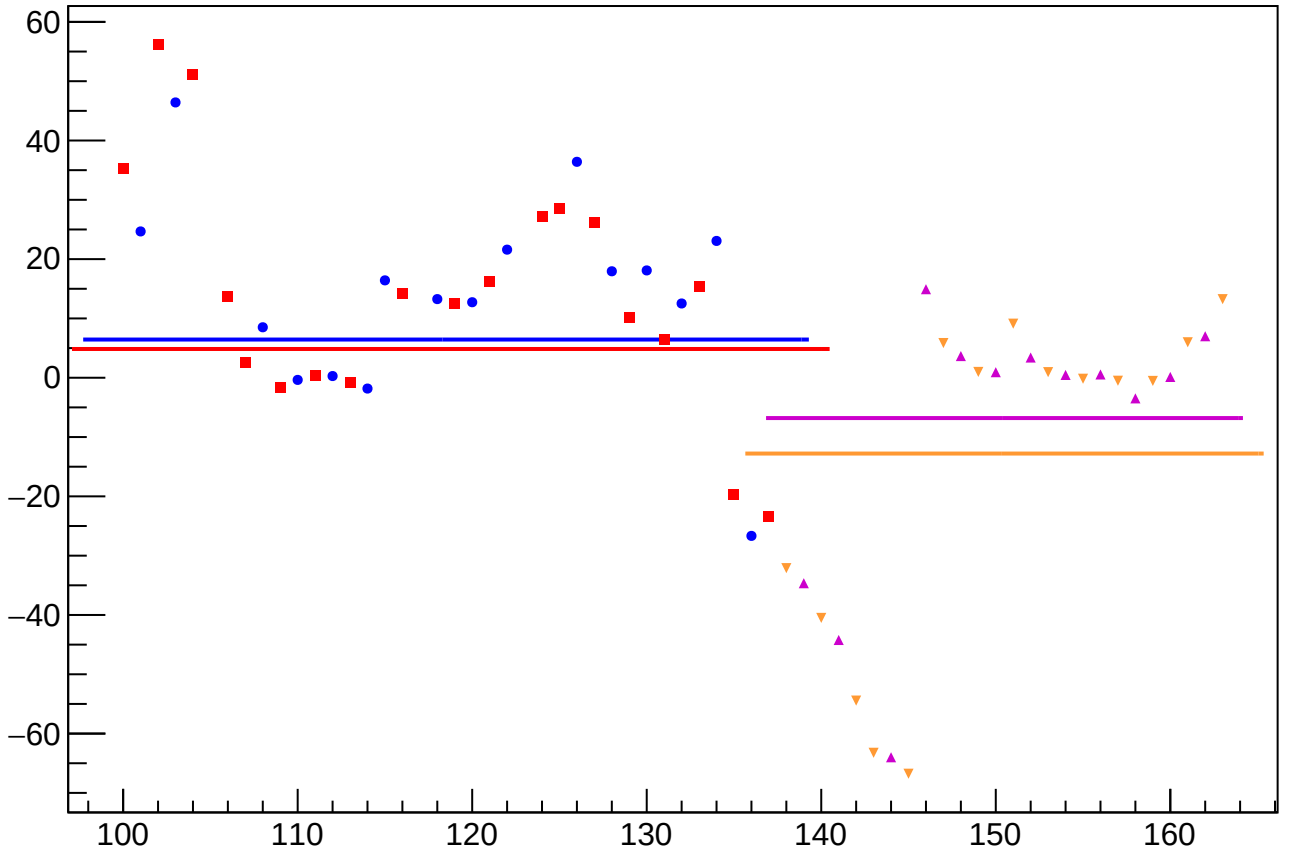
Left: 0.128+/-0.032 χ^2/NDF: 12525.3/25

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.480+/-0.035 χ^2/NDF:9002.5/27

Out: 0.527+/-0.037 χ^2/NDF:8058.4/32

All: 0.502+/-0.025 χ^2/NDF: 17061.7/60



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -12.782+/-0.068 χ^2/NDF:130080.7/13

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -6.799+/-0.058 χ^2/NDF:108829.0/11

Left: -9.343+/-0.044 χ^2/NDF: 243408.6/25

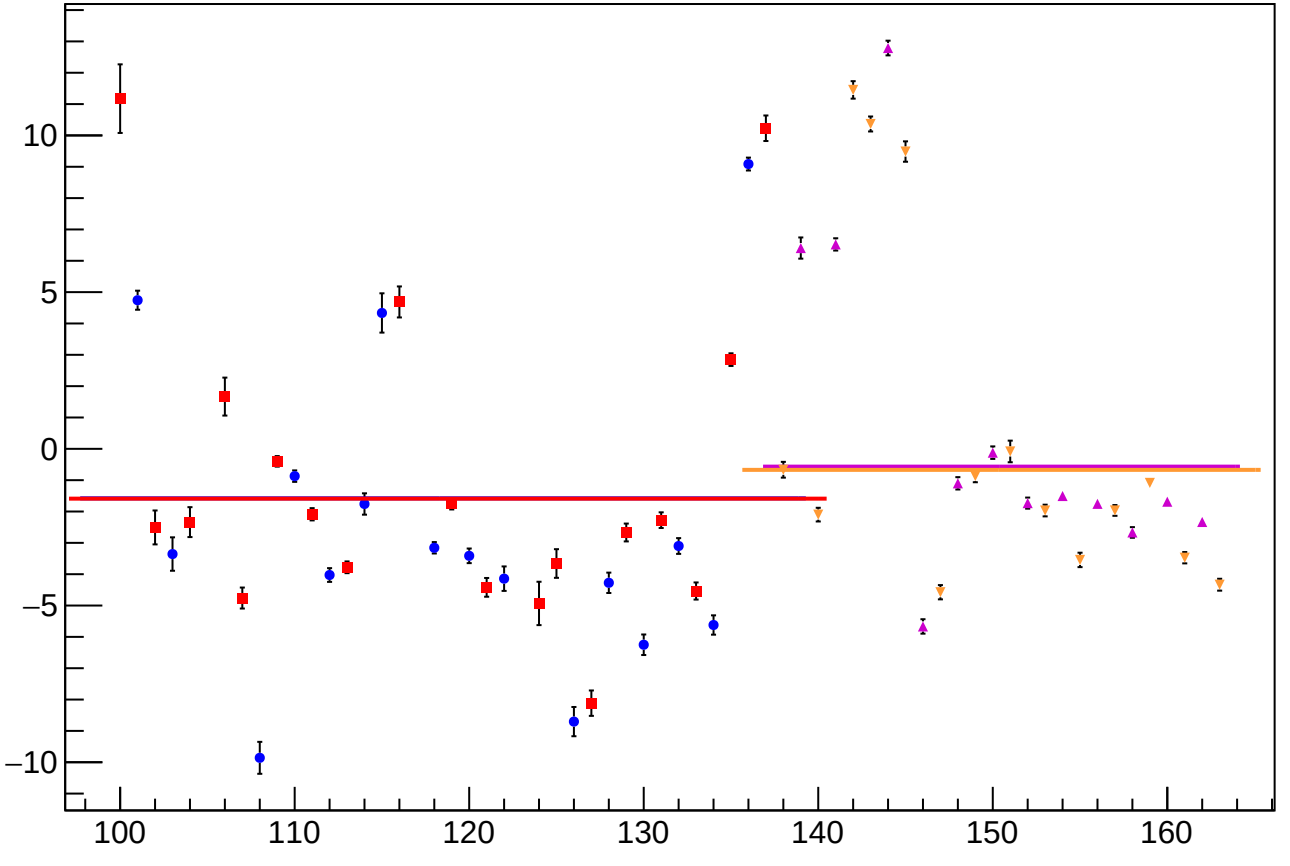
Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.894+/-0.043 χ^2/NDF:202553.7/27

Out: -2.745+/-0.044 χ^2/NDF:243931.0/32

All: -1.797+/-0.031 χ^2/NDF: 447375.2/60

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: -0.671+/-0.057 χ^2/NDF:6220.8/13

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -0.568+/-0.049 χ^2/NDF:6027.9/11

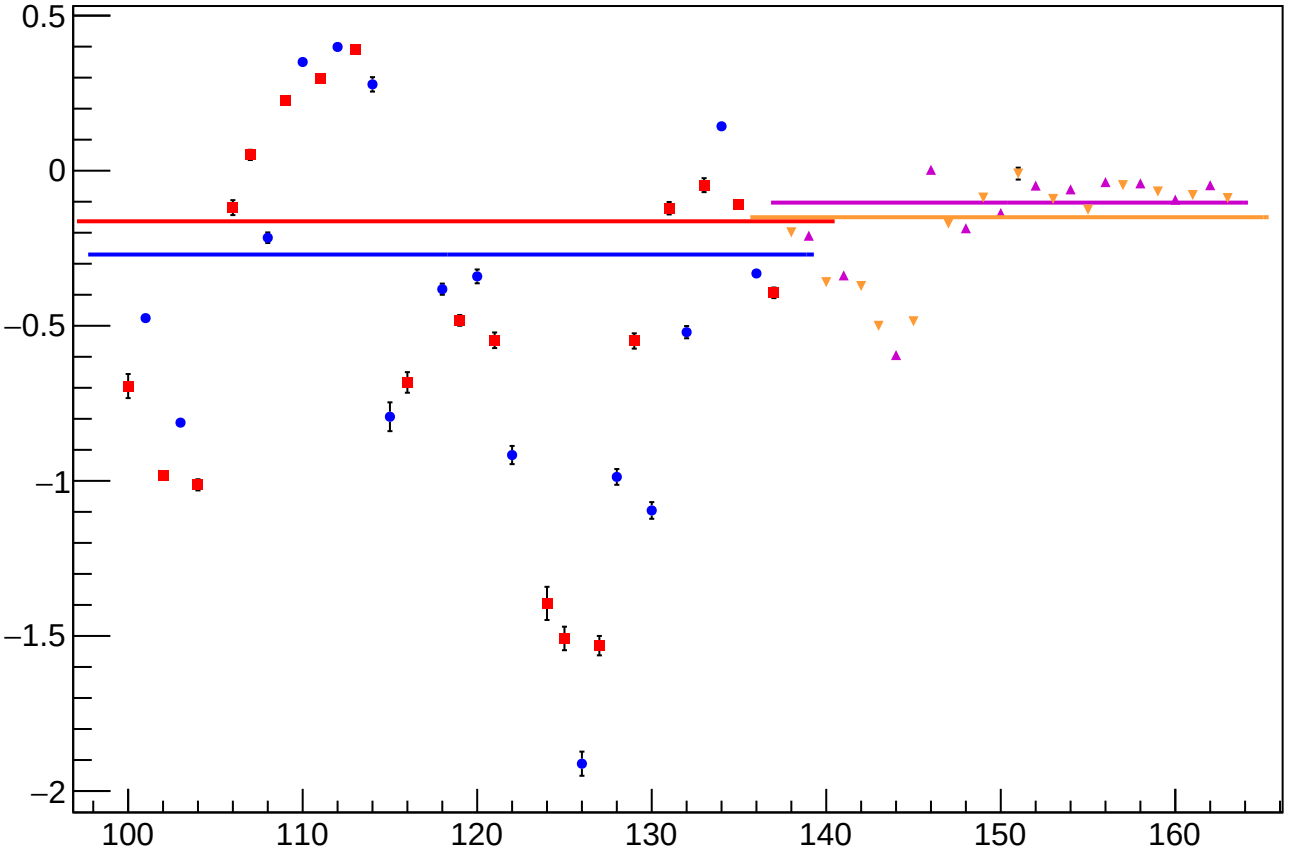
Left: -0.612+/-0.037 χ^2/NDF: 12250.7/25

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.903+/-0.040 χ^2/NDF:10695.2/27

Out: -1.074+/-0.043 χ^2/NDF:8807.7/32

All: -0.982+/-0.029 χ^2/NDF: 19511.6/60



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.150+/-0.002 χ^2/NDF:2863.6/13

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.103+/-0.002 χ^2/NDF:2975.7/11

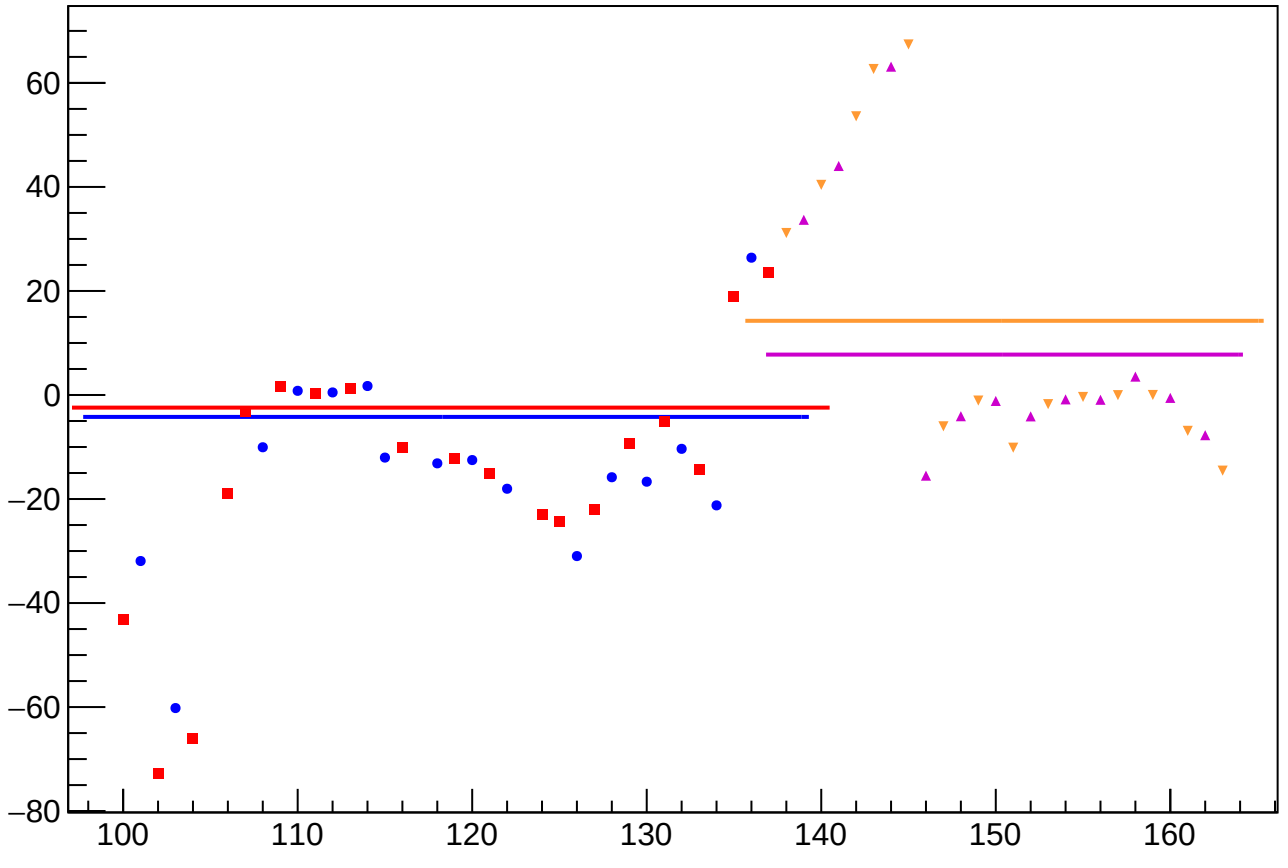
Left: -0.122+/-0.002 χ^2/NDF: 6049.4/25

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.137+/-0.002 χ^2/NDF:16321.6/27

Out: -0.154+/-0.002 χ^2/NDF:18382.1/32

All: -0.144+/-0.001 χ^2/NDF: 34742.5/60



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 14.263+/-0.070 χ^2/NDF:130978.8/13

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 7.767+/-0.061 χ^2/NDF:109533.8/11

Left: 10.576+/-0.046 χ^2/NDF: 245372.3/25

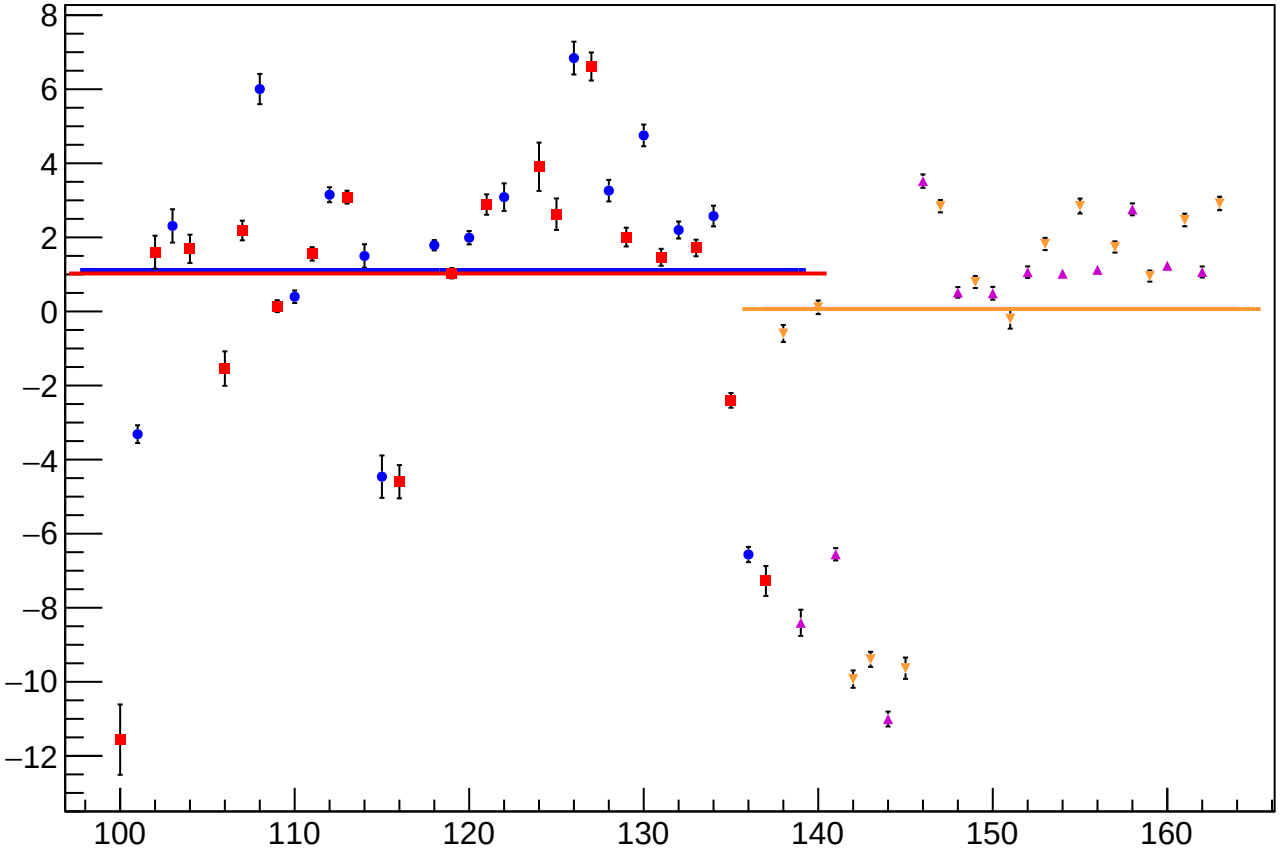
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.100+/-0.041 χ^2/NDF:206024.5/27

Out: 2.615+/-0.039 χ^2/NDF:251161.7/32

All: 1.900+/-0.028 χ^2/NDF: 457913.0/60

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.065+/-0.050 χ^2/NDF:6312.0/13

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.067+/-0.043 χ^2/NDF:6195.5/11

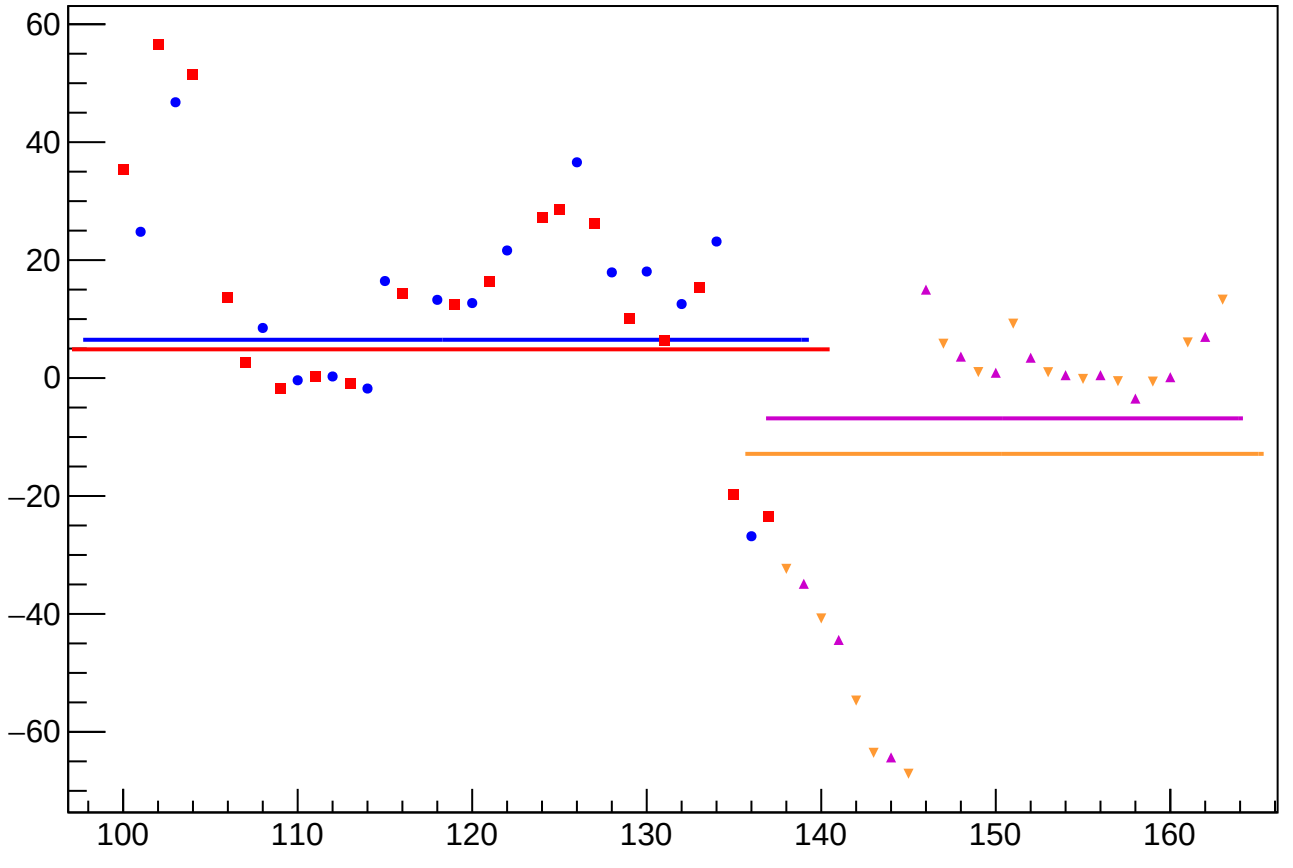
Left: 0.066+/-0.032 χ^2/NDF: 12507.6/25

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.419+/-0.035 χ^2/NDF:8988.6/27

Out: 0.478+/-0.038 χ^2/NDF:8084.3/32

All: 0.446+/-0.026 χ^2/NDF: 17074.2/60



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -12.854+/-0.068 χ^2/NDF:130421.8/13

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -6.835+/-0.058 χ^2/NDF:108979.9/11

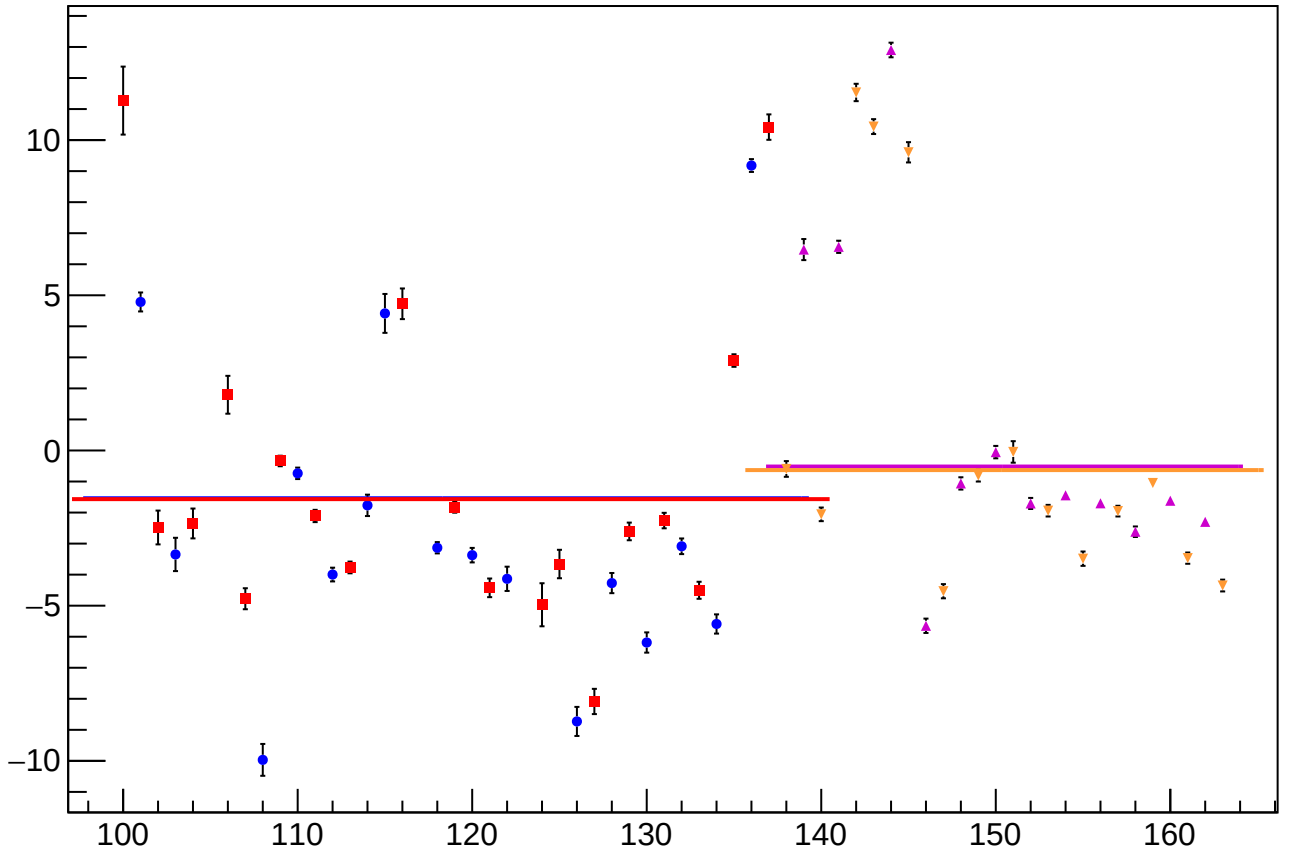
Left: -9.393+/-0.044 χ^2/NDF: 243917.2/25

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.907+/-0.044 χ^2/NDF:202783.7/27

Out: -2.783+/-0.045 χ^2/NDF:244384.3/32

All: -1.821+/-0.031 χ^2/NDF: 448073.6/60



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -0.632+/-0.057 χ^2/NDF:6231.8/13

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -0.517+/-0.049 χ^2/NDF:6013.1/11

Left: -0.566+/-0.037 χ^2/NDF: 12247.2/25

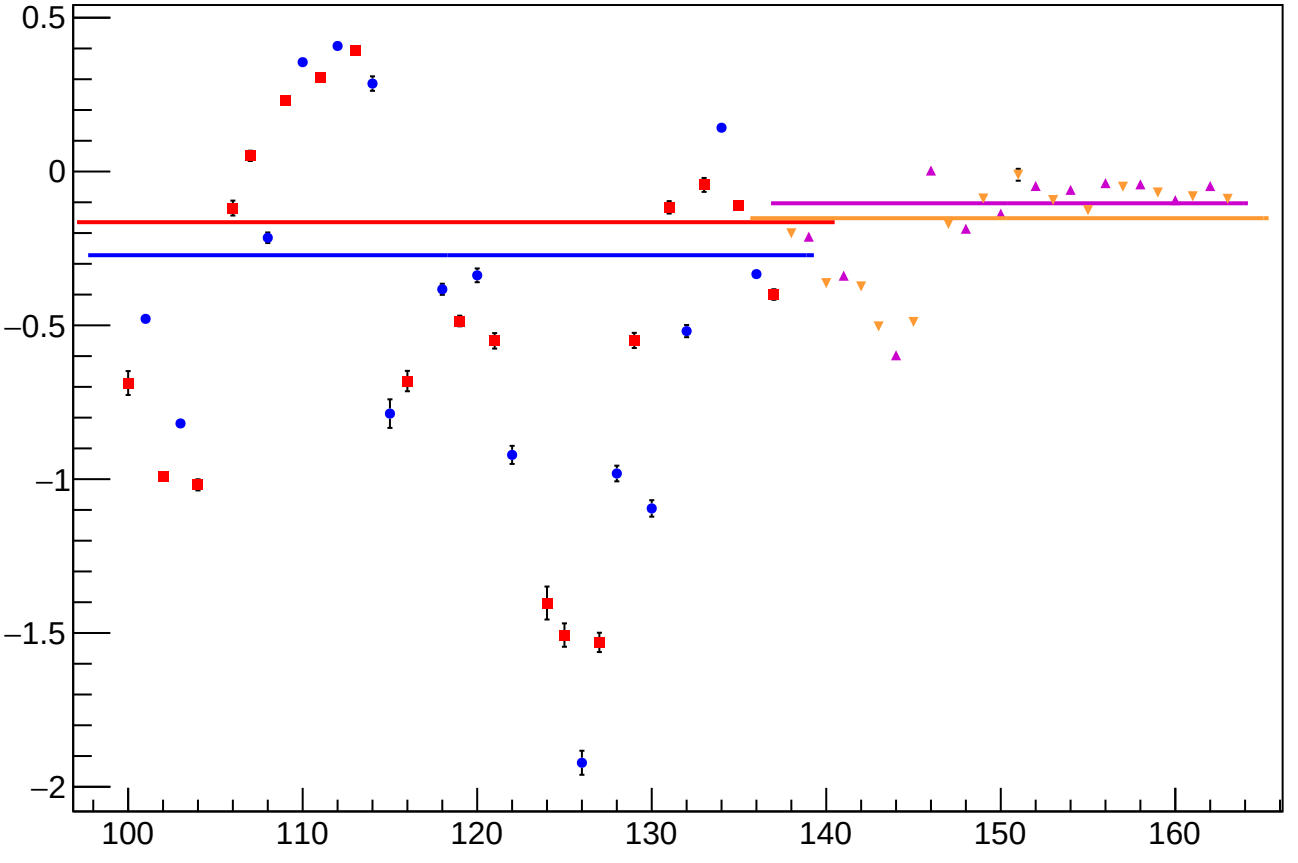
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.855+/-0.040 χ^2/NDF:10693.7/27

Out: -1.041+/-0.043 χ^2/NDF:8846.7/32

All: -0.942+/-0.029 χ^2/NDF: 19550.5/60

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.152+/-0.003 χ^2/NDF:2862.0/13

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.103+/-0.002 χ^2/NDF:2981.8/11

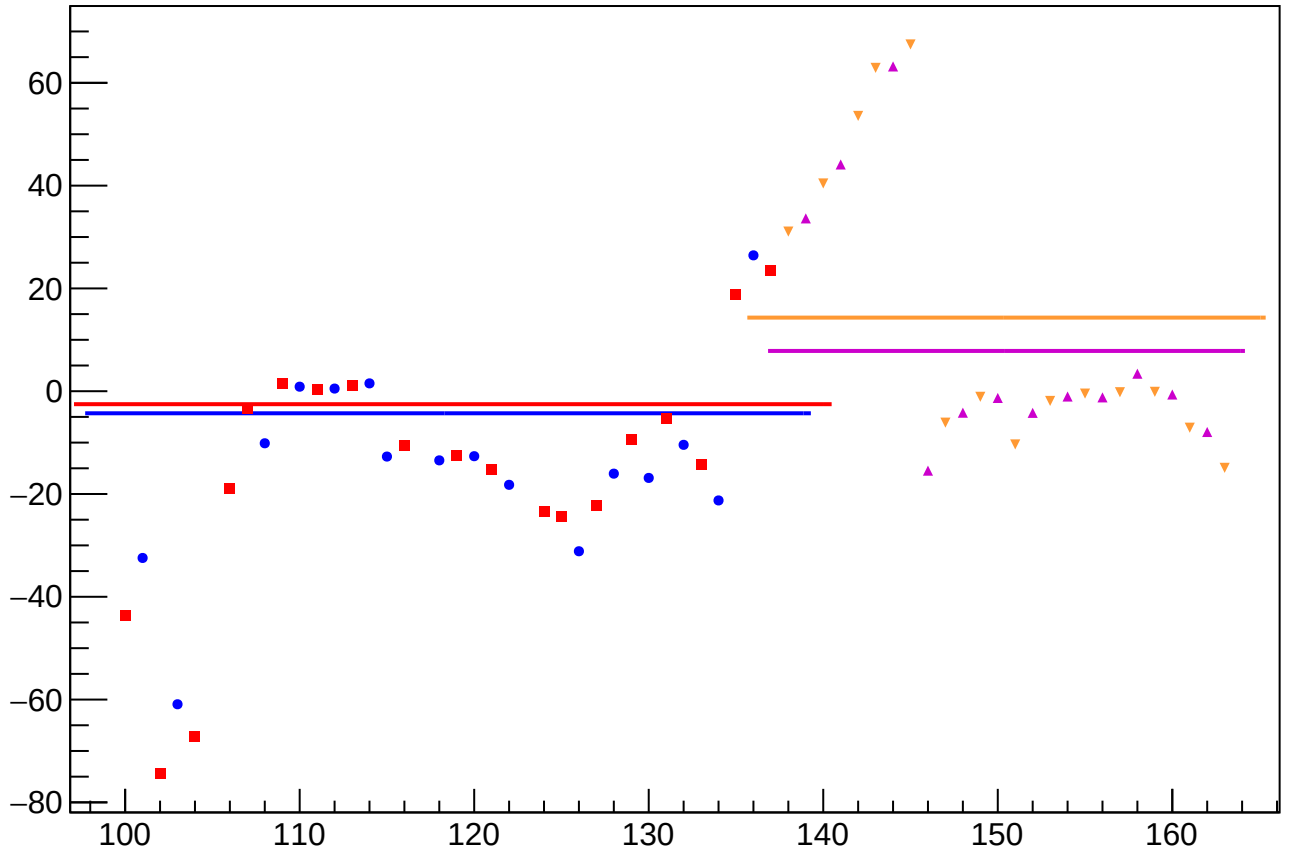
Left: -0.123+/-0.002 χ^2/NDF: 6065.1/25

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.137+/-0.002 χ^2/NDF:16364.2/27

Out: -0.156+/-0.002 χ^2/NDF:18360.6/32

All: -0.145+/-0.001 χ^2/NDF: 34768.7/60



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 14.321+/-0.071 χ^2/NDF:129221.8/13

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 7.835+/-0.063 χ^2/NDF:107712.8/11

Left: 10.663+/-0.047 χ^2/NDF: 241621.7/25

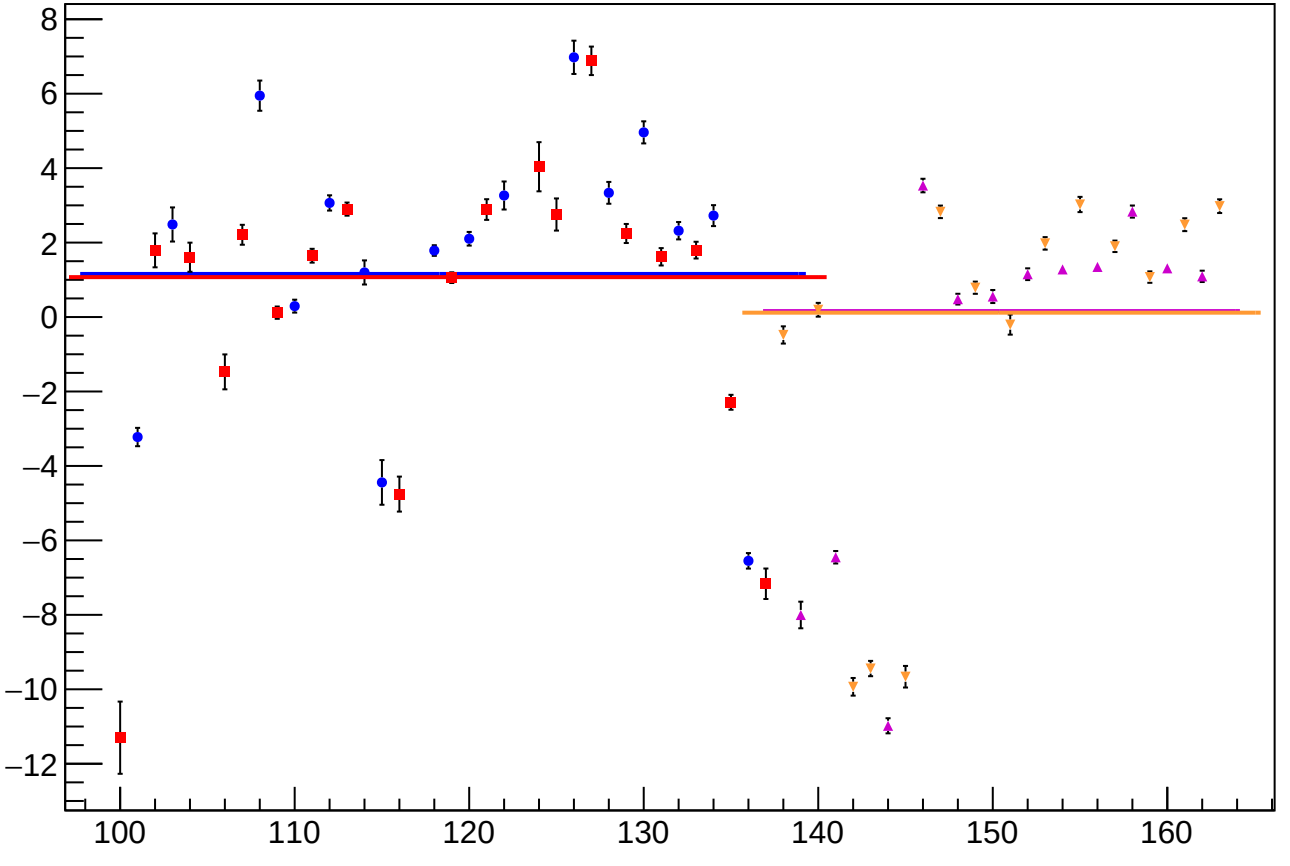
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 1.072+/-0.042 χ^2/NDF:202894.1/27

Out: 2.629+/-0.039 χ^2/NDF:248021.4/32

All: 1.894+/-0.029 χ^2/NDF: 451654.1/60

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: 0.117+/-0.050 χ^2/NDF:6296.3/13

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.160+/-0.044 χ^2/NDF:6076.2/11

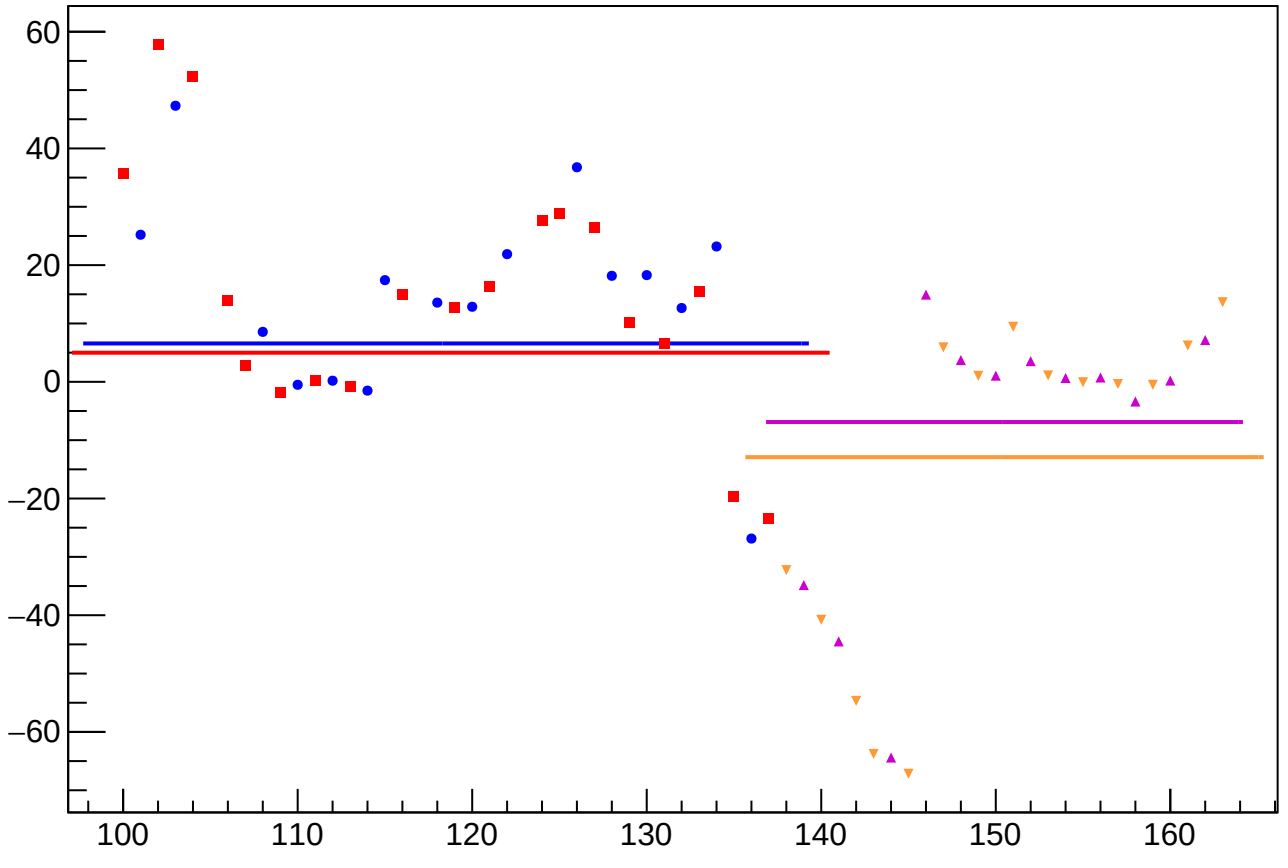
Left: 0.142+/-0.033 χ^2/NDF: 12372.9/25

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.495+/-0.036 χ^2/NDF:8800.9/27

Out: 0.525+/-0.038 χ^2/NDF:8001.0/32

All: 0.509+/-0.026 χ^2/NDF: 16802.3/60



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -12.908+/-0.069 χ^2/NDF:128641.8/13

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -6.890+/-0.060 χ^2/NDF:107171.1/11

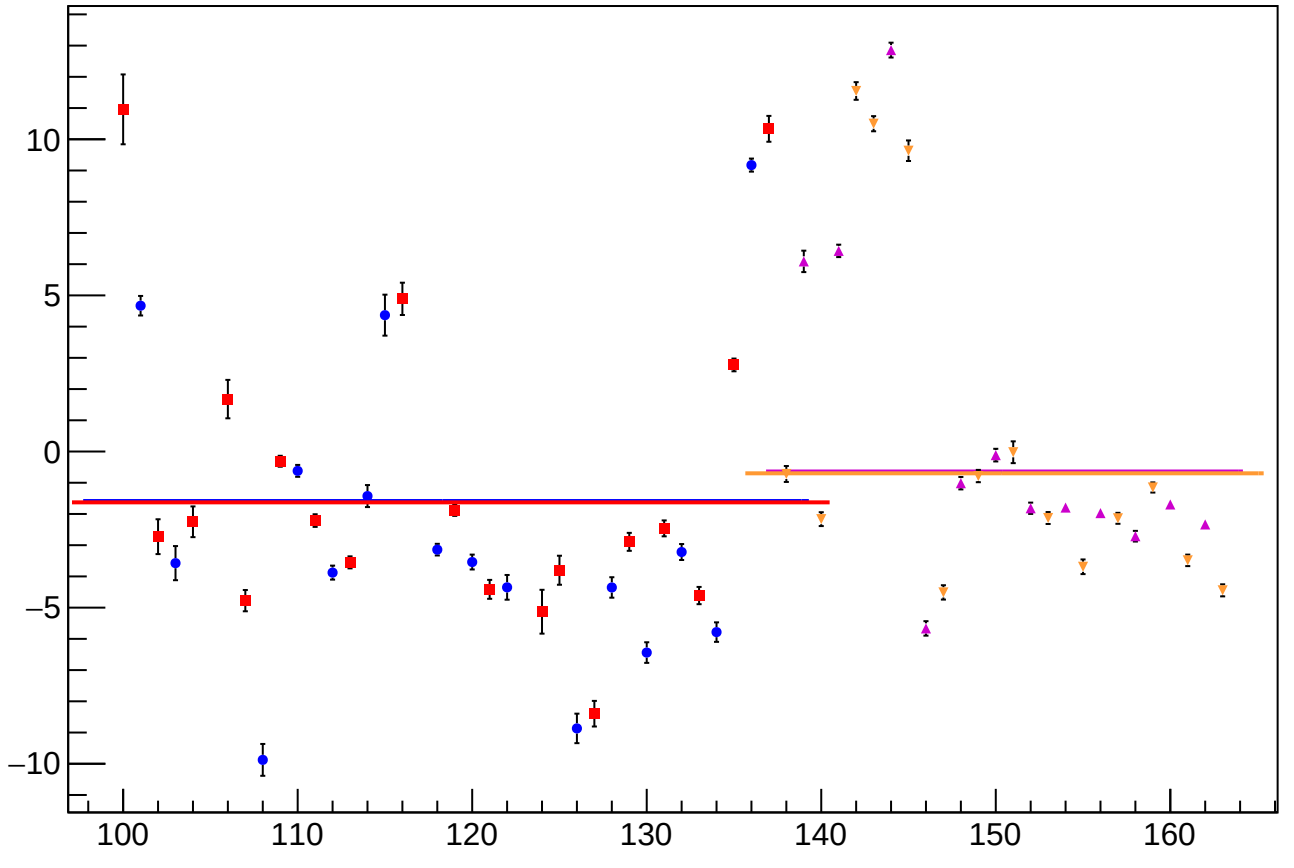
Left: -9.469+/-0.045 χ^2/NDF: 240177.9/25

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -0.875+/-0.044 χ^2/NDF:199673.2/27

Out: -2.794+/-0.045 χ^2/NDF:241284.0/32

All: -1.813+/-0.032 χ^2/NDF: 441870.7/60



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -0.698+/-0.058 χ^2/NDF:6218.3/13

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -0.640+/-0.050 χ^2/NDF:5900.6/11

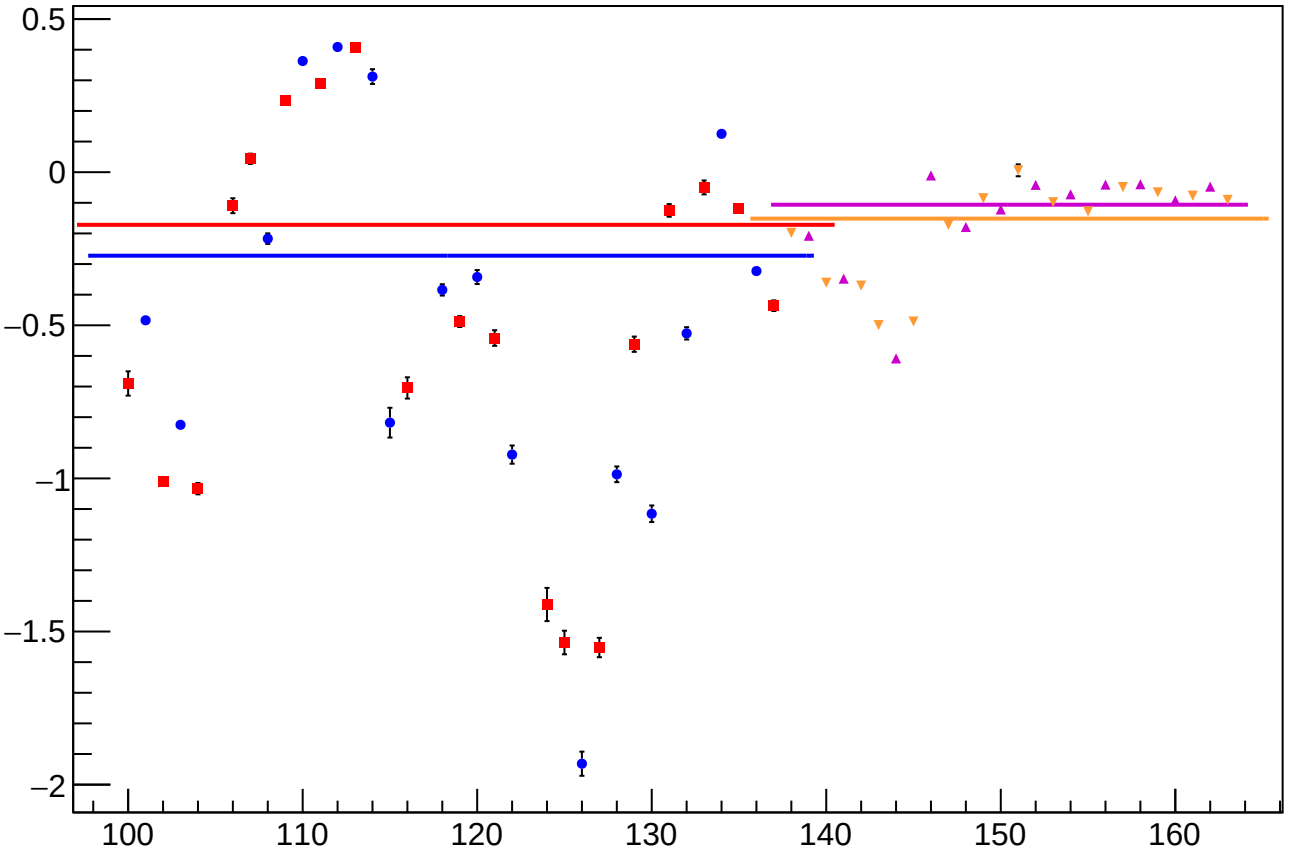
Left: -0.665+/-0.038 χ^2/NDF: 12119.5/25

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.954+/-0.041 χ^2/NDF:10492.4/27

Out: -1.103+/-0.043 χ^2/NDF:8753.2/32

All: -1.024+/-0.030 χ^2/NDF: 19251.9/60



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.152+/-0.003 χ^2/NDF:2777.0/13

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.106+/-0.002 χ^2/NDF:2941.0/11

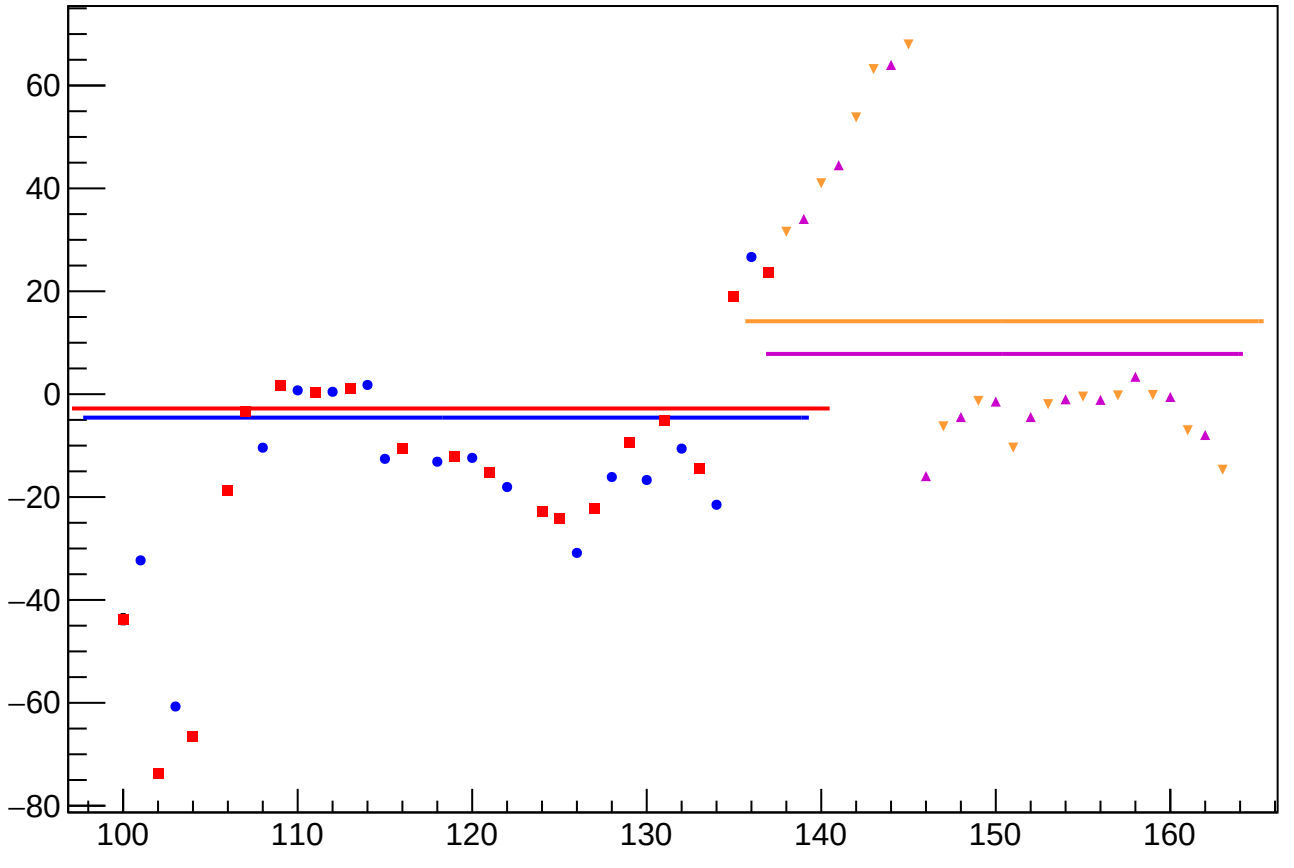
Left: -0.125+/-0.002 χ^2/NDF: 5905.0/25

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.140+/-0.002 χ^2/NDF:16036.0/27

Out: -0.158+/-0.002 χ^2/NDF:18118.5/32

All: -0.148+/-0.001 χ^2/NDF: 34193.2/60



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 14.180+/-0.072 χ^2/NDF:127845.1/13

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 7.828+/-0.064 χ^2/NDF:106495.8/11

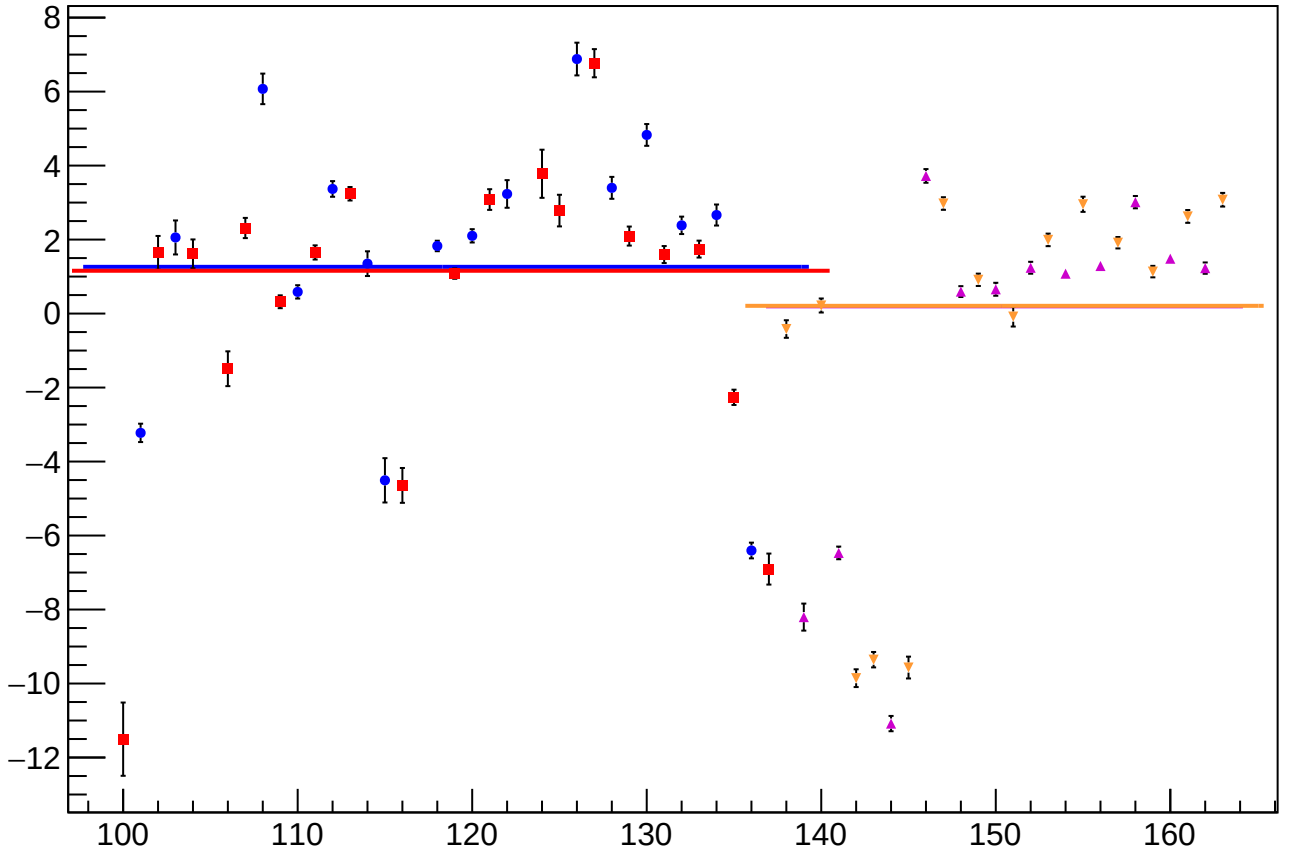
Left: 10.611+/-0.048 χ^2/NDF: 238717.4/25

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.944+/-0.042 χ^2/NDF:200248.3/27

Out: 2.518+/-0.040 χ^2/NDF:243934.0/32

All: 1.771+/-0.029 χ^2/NDF: 444908.7/60



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.209+/-0.051 χ^2/NDF:6128.1/13

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.195+/-0.044 χ^2/NDF:6025.4/11

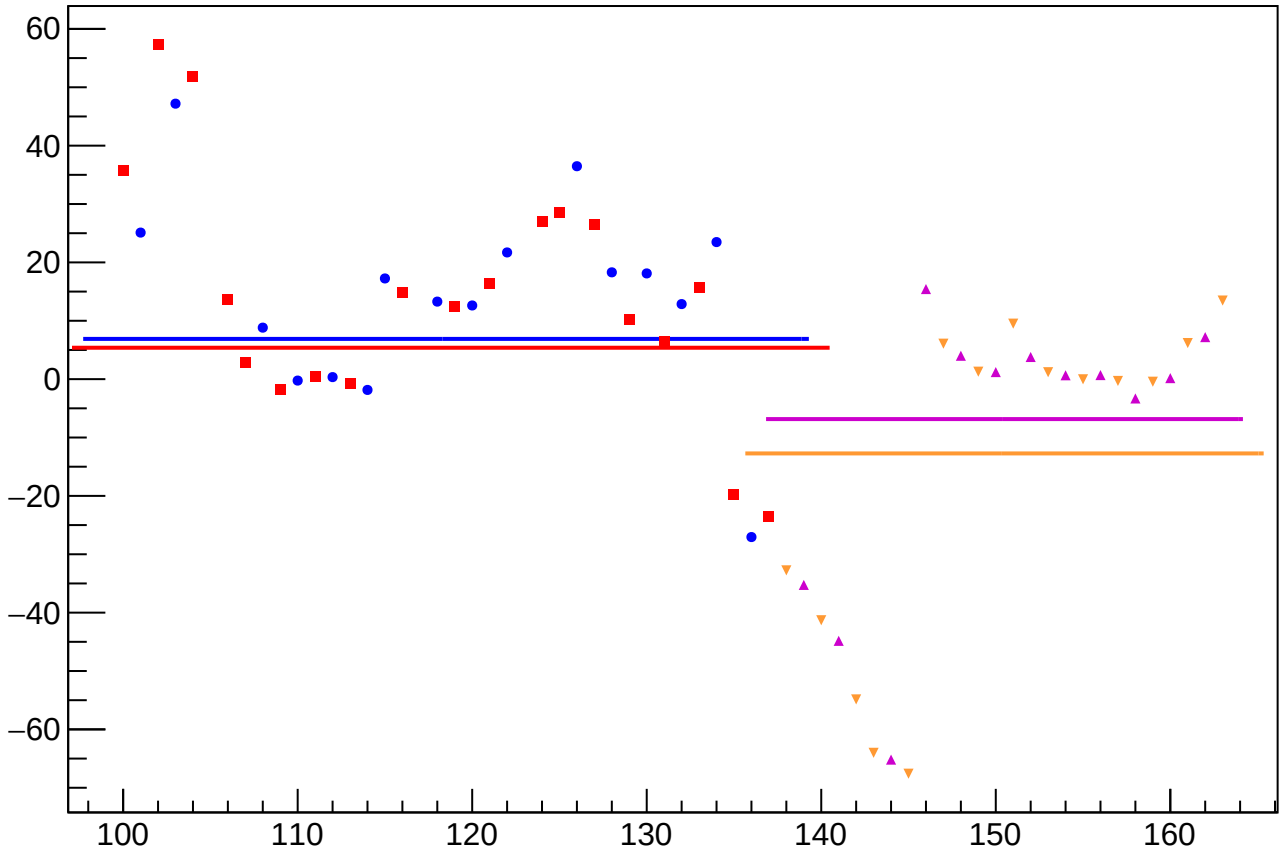
Left: 0.201+/-0.033 χ^2/NDF: 12153.6/25

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.557+/-0.036 χ^2/NDF:8665.2/27

Out: 0.613+/-0.039 χ^2/NDF:7766.3/32

All: 0.583+/-0.026 χ^2/NDF: 16432.6/60



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -12.725+/-0.070 χ^2/NDF:127123.1/13

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -6.842+/-0.061 χ^2/NDF:105922.2/11

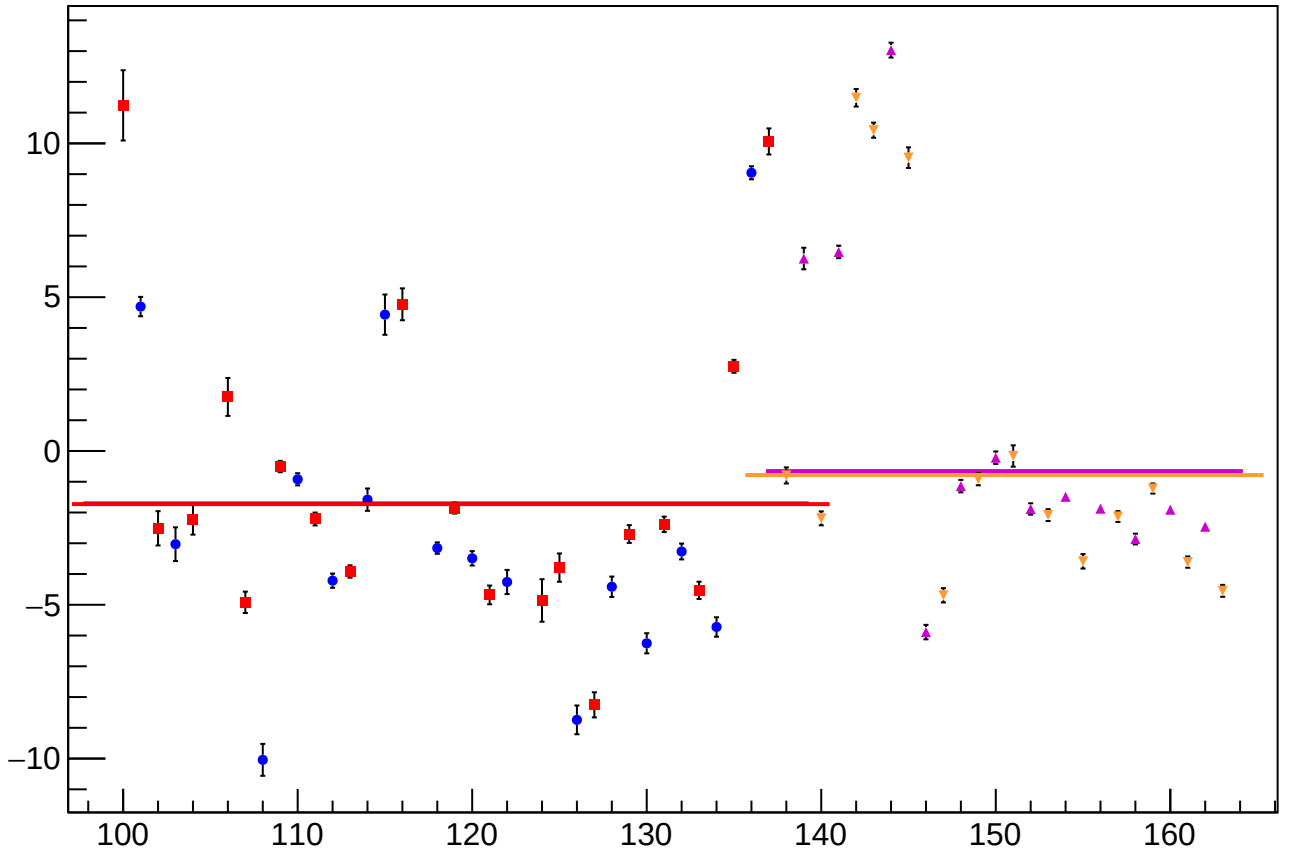
Left: -9.377+/-0.046 χ^2/NDF: 237109.7/25

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -0.700+/-0.045 χ^2/NDF:196960.8/27

Out: -2.582+/-0.046 χ^2/NDF:237244.3/32

All: -1.618+/-0.032 χ^2/NDF: 435056.5/60



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -0.782+/-0.058 χ^2/NDF:6061.4/13

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -0.654+/-0.051 χ^2/NDF:5869.2/11

Left: -0.709+/-0.038 χ^2/NDF: 11933.3/25

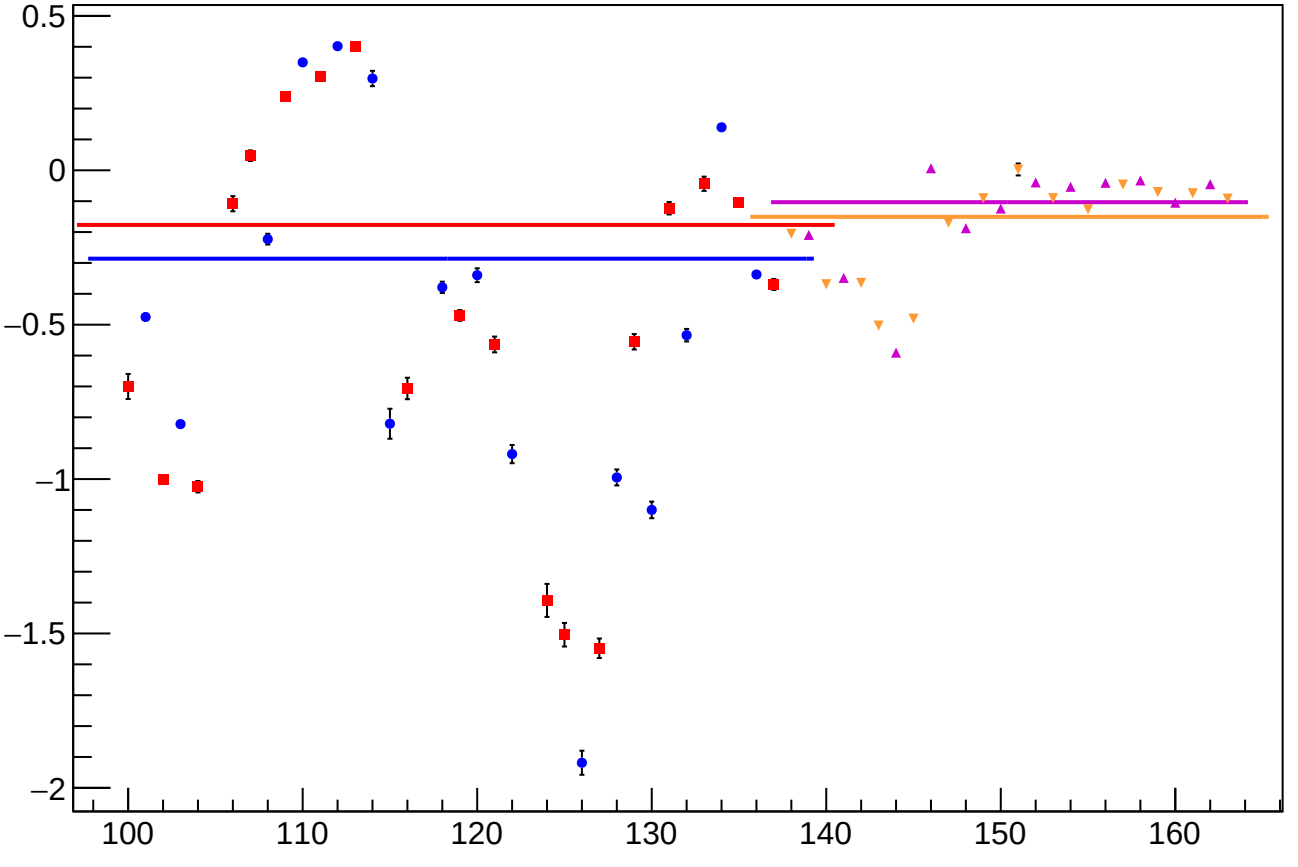
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.006+/-0.041 χ^2/NDF:10303.4/27

Out: -1.191+/-0.044 χ^2/NDF:8484.5/32

All: -1.093+/-0.030 χ^2/NDF: 18797.3/60

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.151+/-0.003 χ^2/NDF:2737.0/13

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.103+/-0.002 χ^2/NDF:2851.0/11

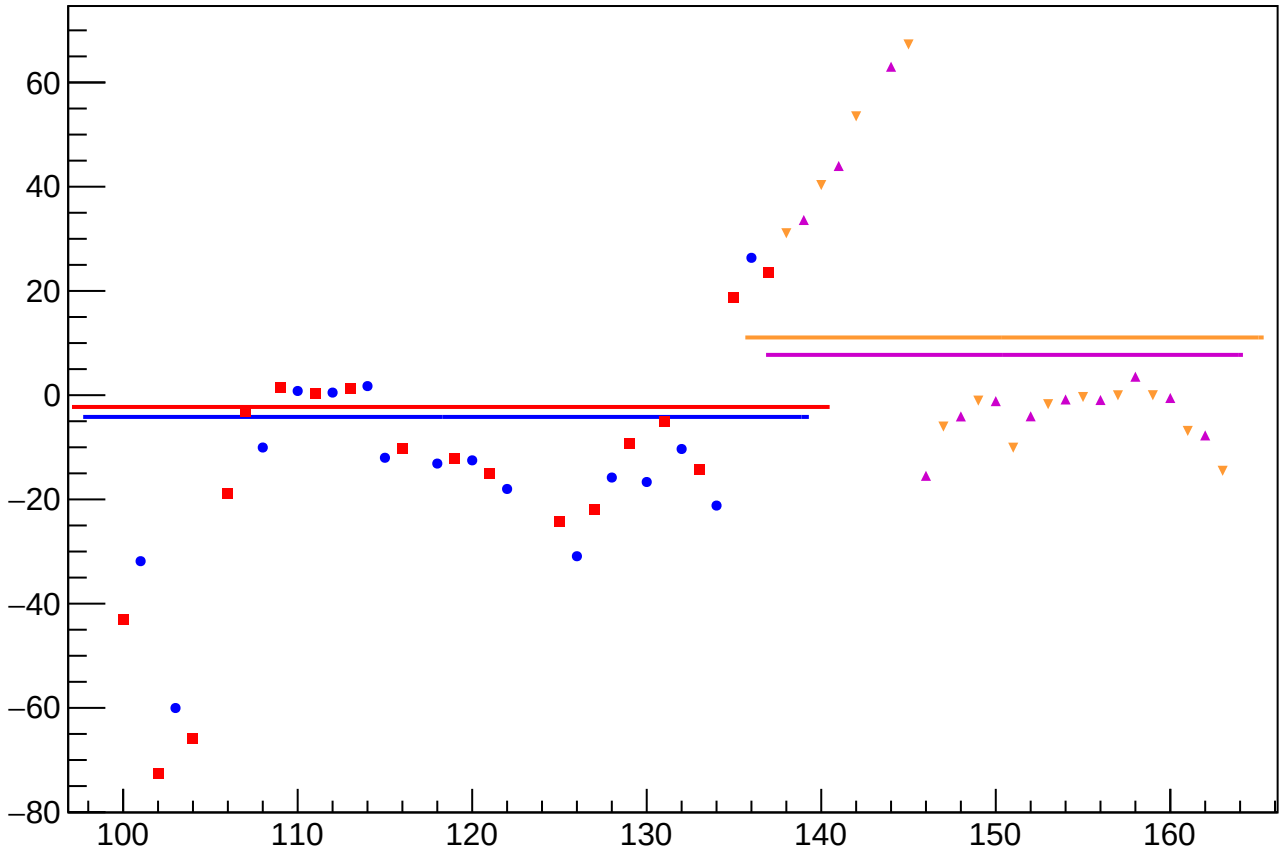
Left: -0.123+/-0.002 χ^2/NDF: 5787.6/25

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.140+/-0.002 χ^2/NDF:15667.2/27

Out: -0.159+/-0.002 χ^2/NDF:17535.7/32

All: -0.149+/-0.001 χ^2/NDF: 33241.6/60



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 11.072+/-0.072 χ^2/NDF:100036.2/12

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 7.732+/-0.061 χ^2/NDF:109780.2/11

Left: 9.123+/-0.047 χ^2/NDF: 211064.4/24

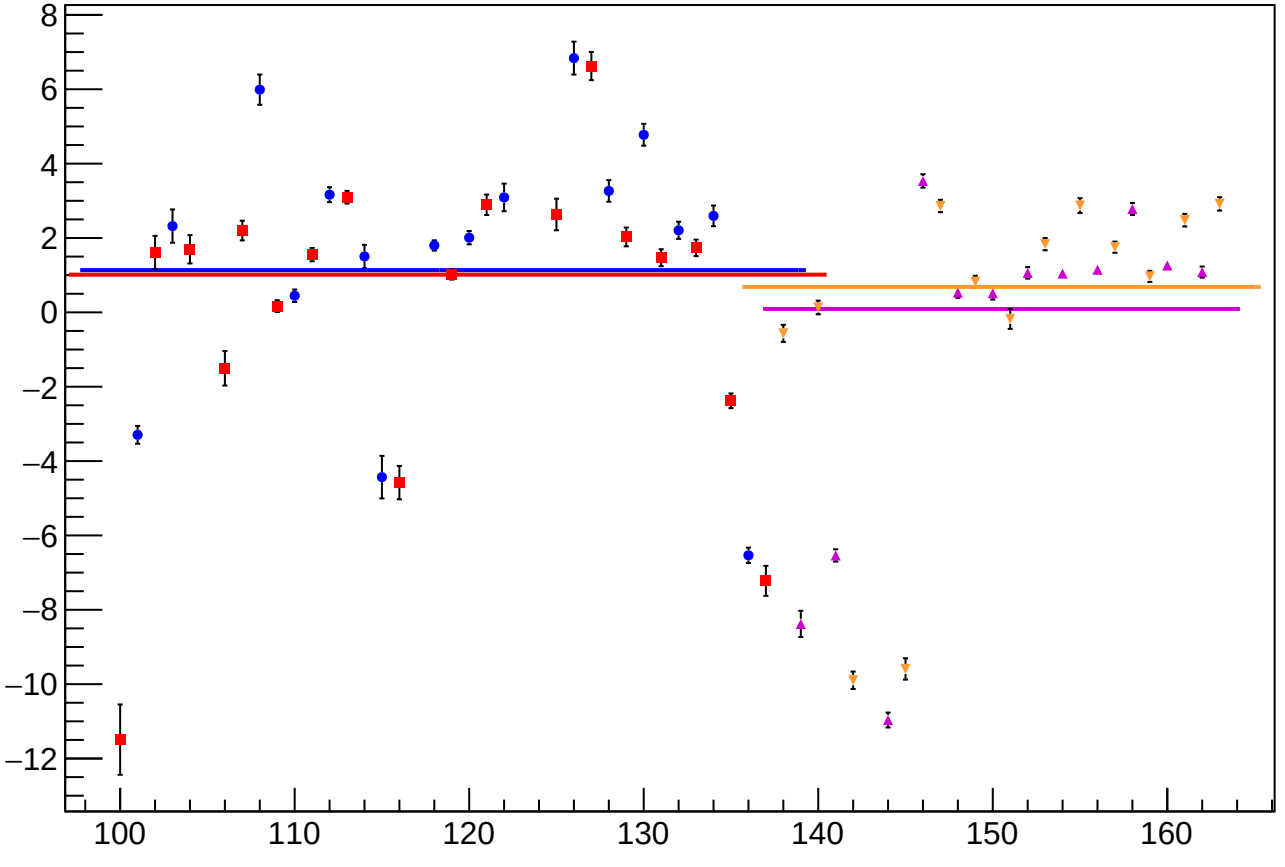
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.105+/-0.041 χ^2/NDF:206370.3/27

Out: 1.593+/-0.039 χ^2/NDF:203902.3/30

All: 1.360+/-0.028 χ^2/NDF: 410347.8/58

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.684+/-0.051 χ^2/NDF:4020.6/12

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.092+/-0.043 χ^2/NDF:6216.9/11

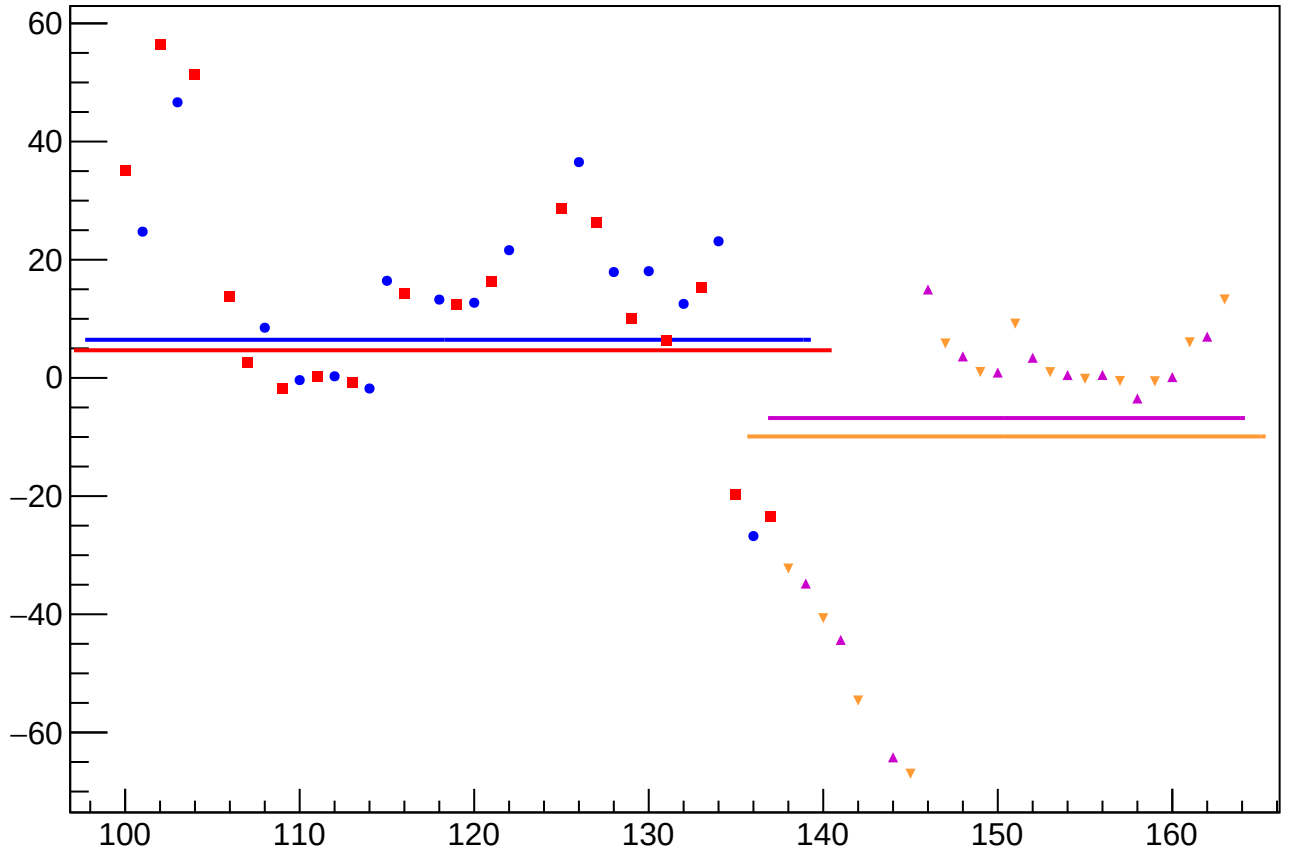
Left: 0.335+/-0.033 χ^2/NDF: 10316.7/24

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.440+/-0.035 χ^2/NDF:9012.7/27

Out: 0.831+/-0.038 χ^2/NDF:5632.1/30

All: 0.618+/-0.026 χ^2/NDF: 14702.0/58



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -9.909+/-0.070 χ^2/NDF:98577.5/12

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -6.793+/-0.058 χ^2/NDF:109212.6/11

Left: -8.073+/-0.045 χ^2/NDF: 208970.8/24

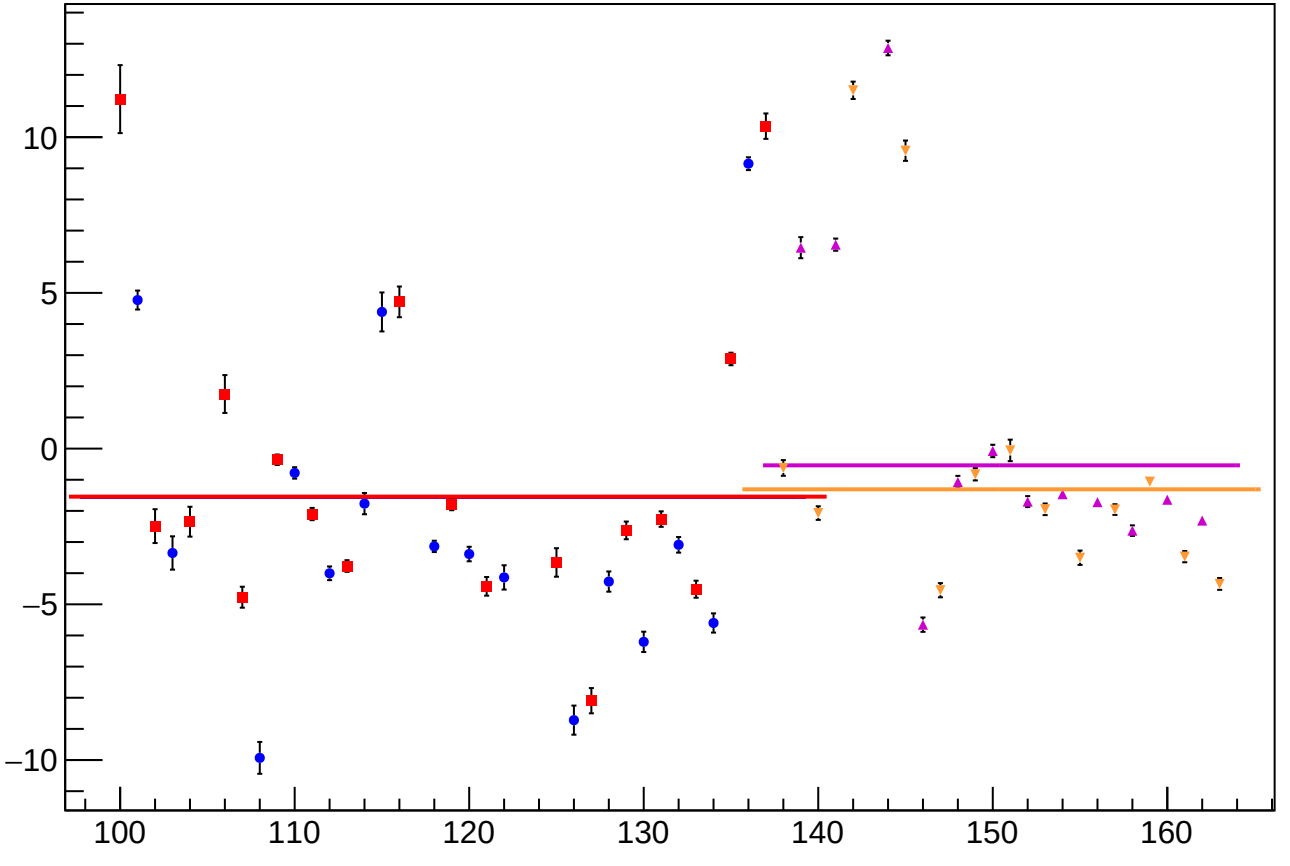
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.901+/-0.043 χ^2/NDF:203111.9/27

Out: -1.432+/-0.045 χ^2/NDF:198514.5/30

All: -1.156+/-0.031 χ^2/NDF: 401698.9/58

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: -1.307+/-0.058 χ^2/NDF:3977.6/12

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -0.538+/-0.049 χ^2/NDF:6030.7/11

Left: -0.852+/-0.037 χ^2/NDF: 10110.6/24

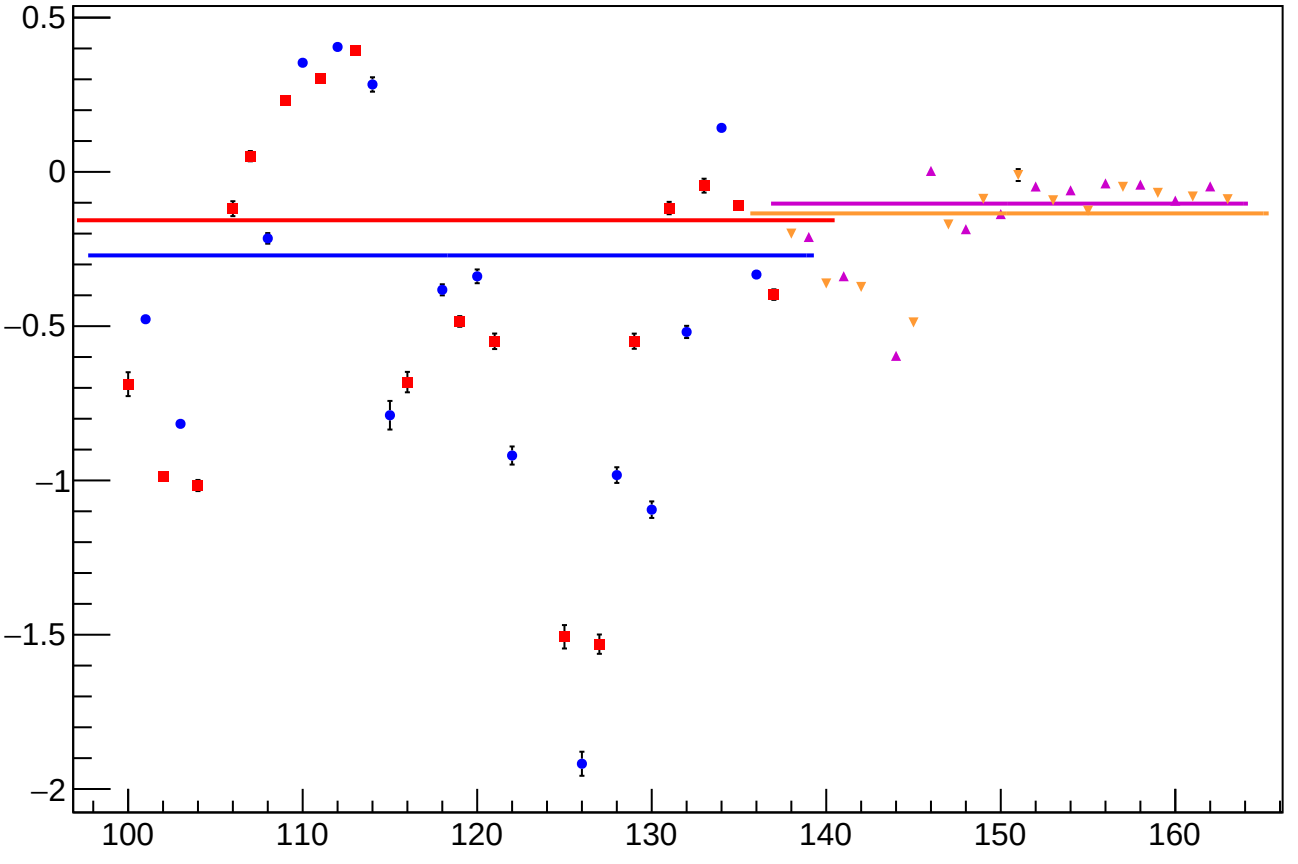
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.872+/-0.040 χ^2/NDF:10717.8/27

Out: -1.413+/-0.043 χ^2/NDF:6457.9/30

All: -1.120+/-0.029 χ^2/NDF: 17260.3/58

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: -0.135+/-0.003 χ^2/NDF:1948.0/12

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.103+/-0.002 χ^2/NDF:2988.3/11

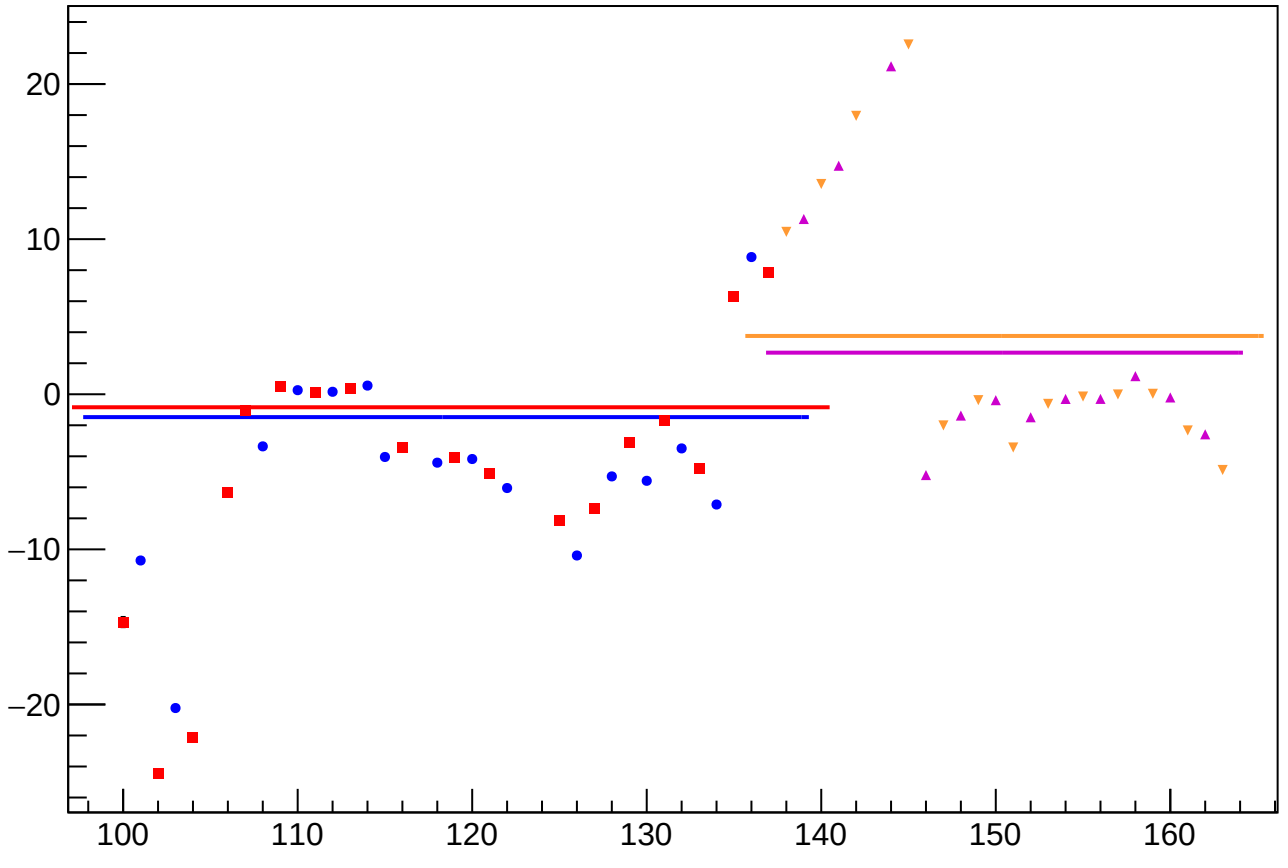
Left: -0.115+/-0.002 χ^2/NDF: 5029.4/24

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.136+/-0.002 χ^2/NDF:16398.4/27

Out: -0.142+/-0.002 χ^2/NDF:16990.6/30

All: -0.139+/-0.001 χ^2/NDF: 33392.2/58



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 3.759+/-0.025 χ^2/NDF:98196.4/12

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 2.682+/-0.021 χ^2/NDF:107149.1/11

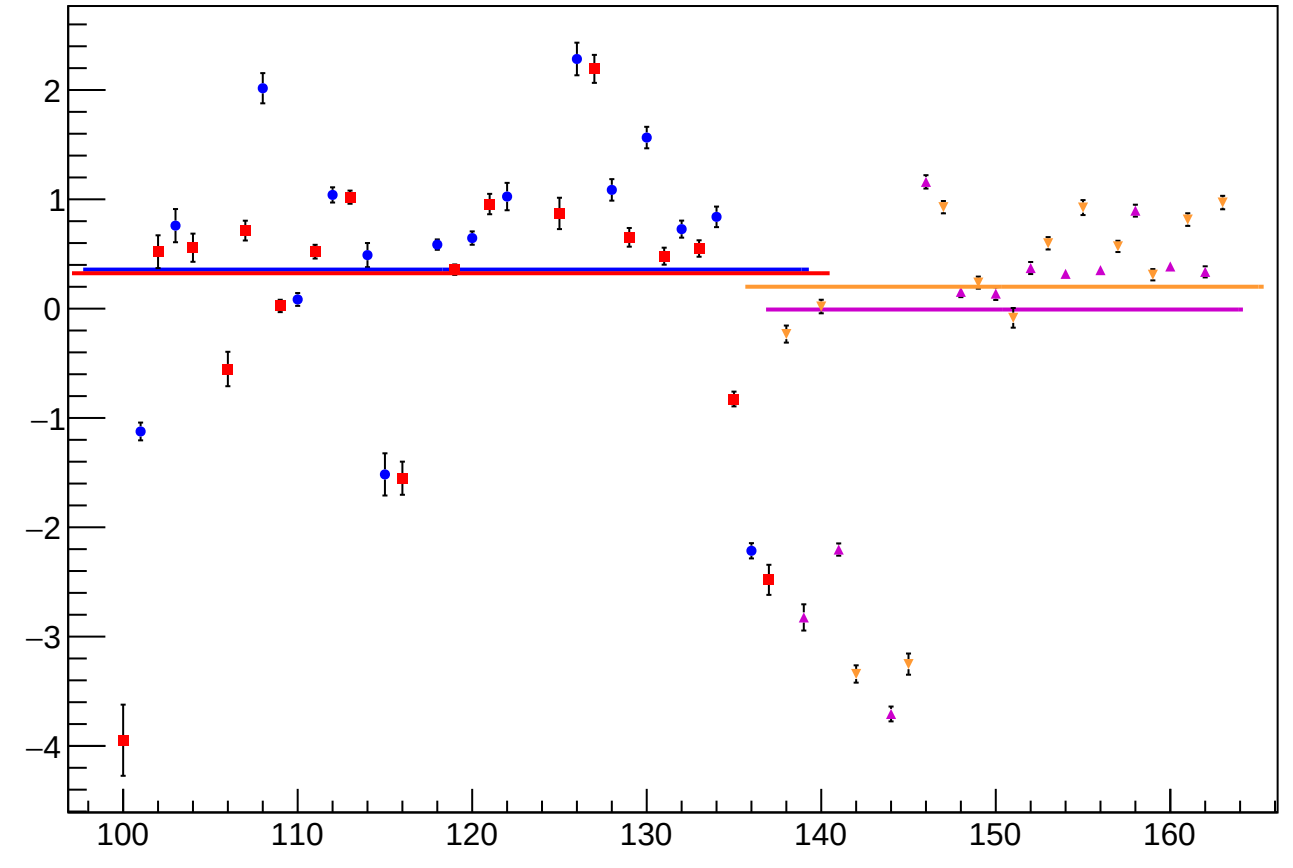
Left: 3.136+/-0.016 χ^2/NDF: 206451.7/24

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.366+/-0.014 χ^2/NDF:202647.1/27

Out: 0.529+/-0.013 χ^2/NDF:200672.0/30

All: 0.451+/-0.010 χ^2/NDF: 403389.7/58



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.201+/-0.017 χ^2/NDF:3968.7/12

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: -0.008+/-0.015 χ^2/NDF:6055.1/11

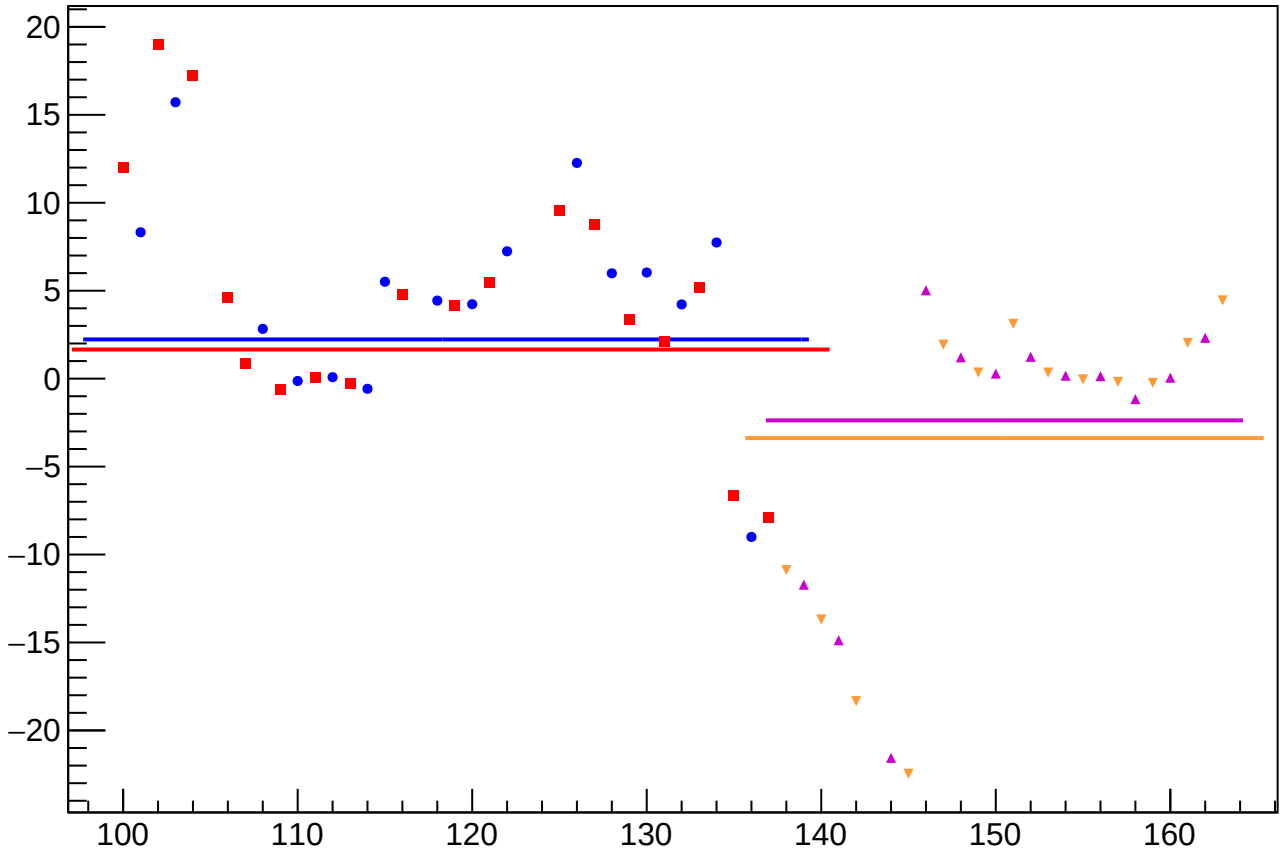
Left: 0.079+/-0.011 χ^2/NDF: 10107.4/24

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.115+/-0.012 χ^2/NDF:8806.7/27

Out: 0.255+/-0.013 χ^2/NDF:5549.5/30

All: 0.179+/-0.009 χ^2/NDF: 14418.2/58



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -3.379+/-0.024 χ^2/NDF:96799.8/12

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -2.373+/-0.020 χ^2/NDF:106705.2/11

Left: -2.791+/-0.015 χ^2/NDF: 204553.1/24

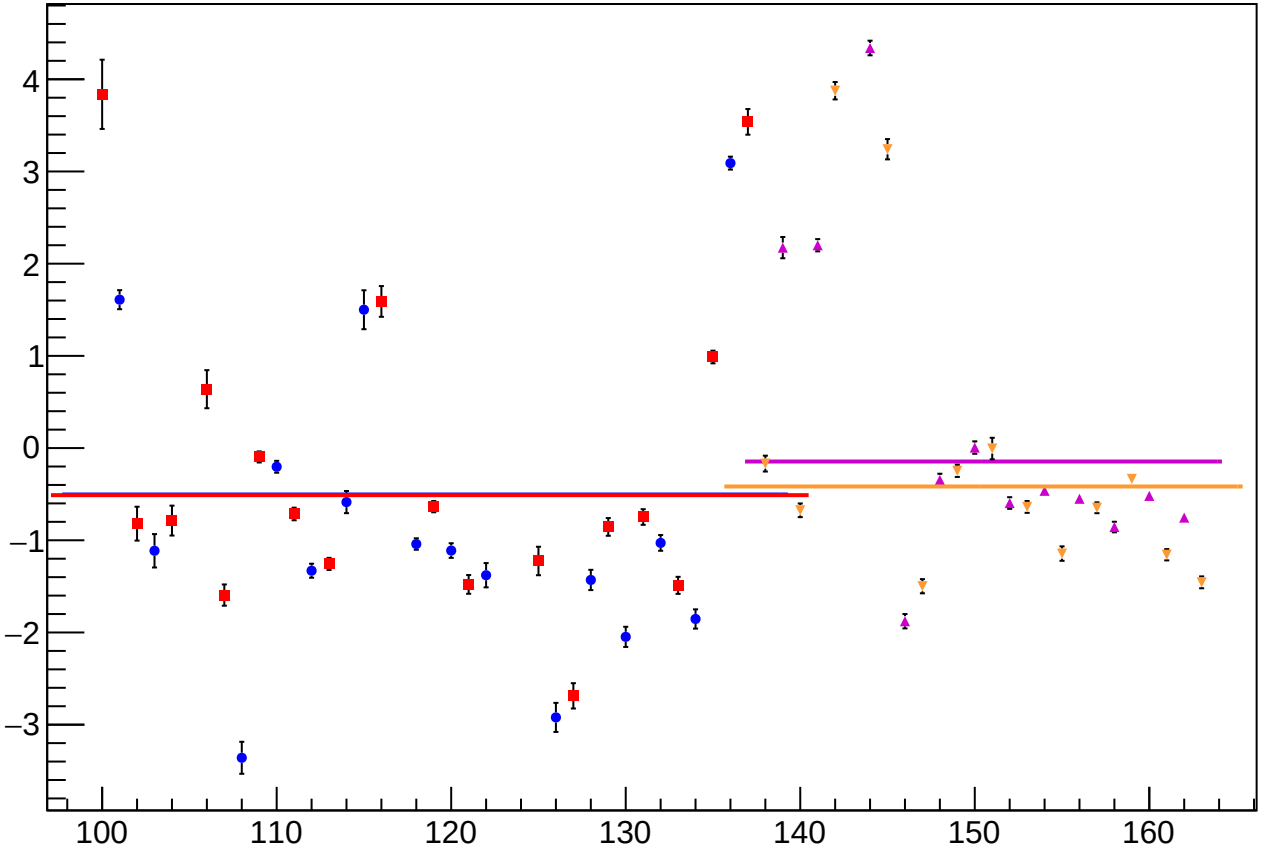
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.312+/-0.015 χ^2/NDF:199495.6/27

Out: -0.486+/-0.015 χ^2/NDF:195408.6/30

All: -0.395+/-0.011 χ^2/NDF: 394970.1/58

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: -0.416+/-0.020 χ^2/NDF:3931.4/12

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.146+/-0.017 χ^2/NDF:5889.2/11

Left: -0.258+/-0.013 χ^2/NDF: 9928.4/24

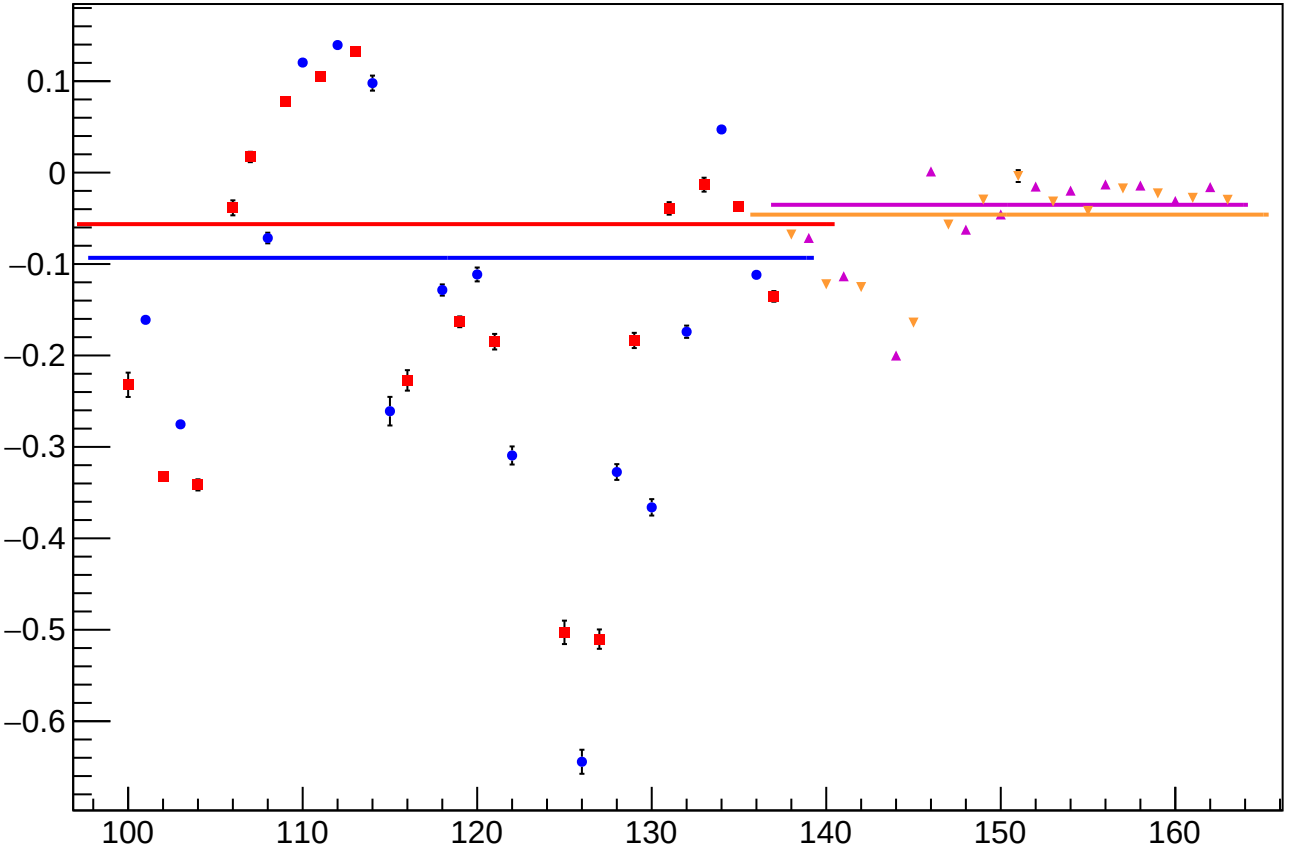
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.265+/-0.014 χ^2/NDF:10488.3/27

Out: -0.458+/-0.015 χ^2/NDF:6365.3/30

All: -0.354+/-0.010 χ^2/NDF: 16945.1/58

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: -0.046+/-0.001 χ^2/NDF:1903.3/12

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.035+/-0.001 χ^2/NDF:2915.0/11

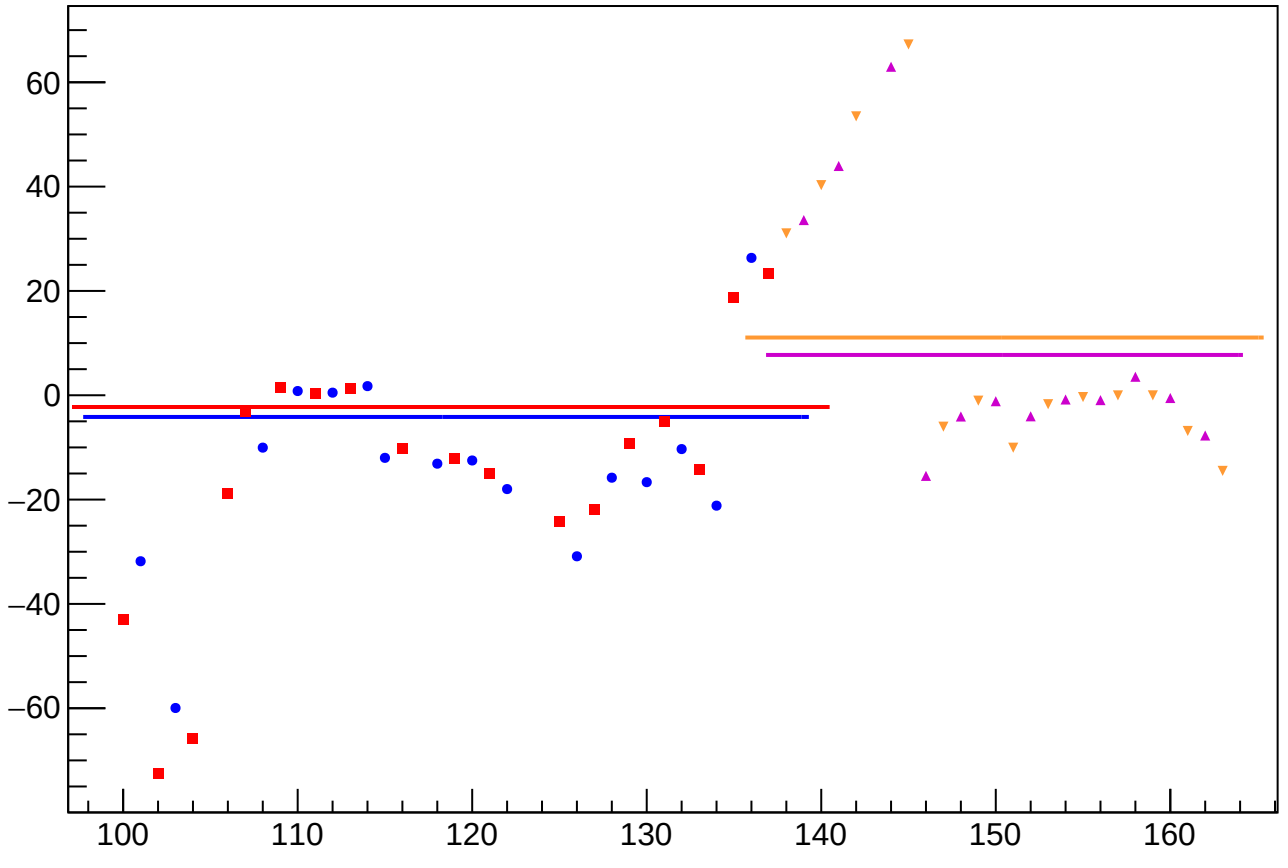
Left: -0.040+/-0.001 χ^2/NDF: 4908.6/24

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.047+/-0.001 χ^2/NDF:15996.5/27

Out: -0.049+/-0.001 χ^2/NDF:16404.5/30

All: -0.048+/-0.000 χ^2/NDF: 32405.8/58



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 11.066+/-0.072 χ^2/NDF:100021.0/12

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 7.728+/-0.061 χ^2/NDF:109792.7/11

Left: 9.119+/-0.047 χ^2/NDF: 211062.6/24

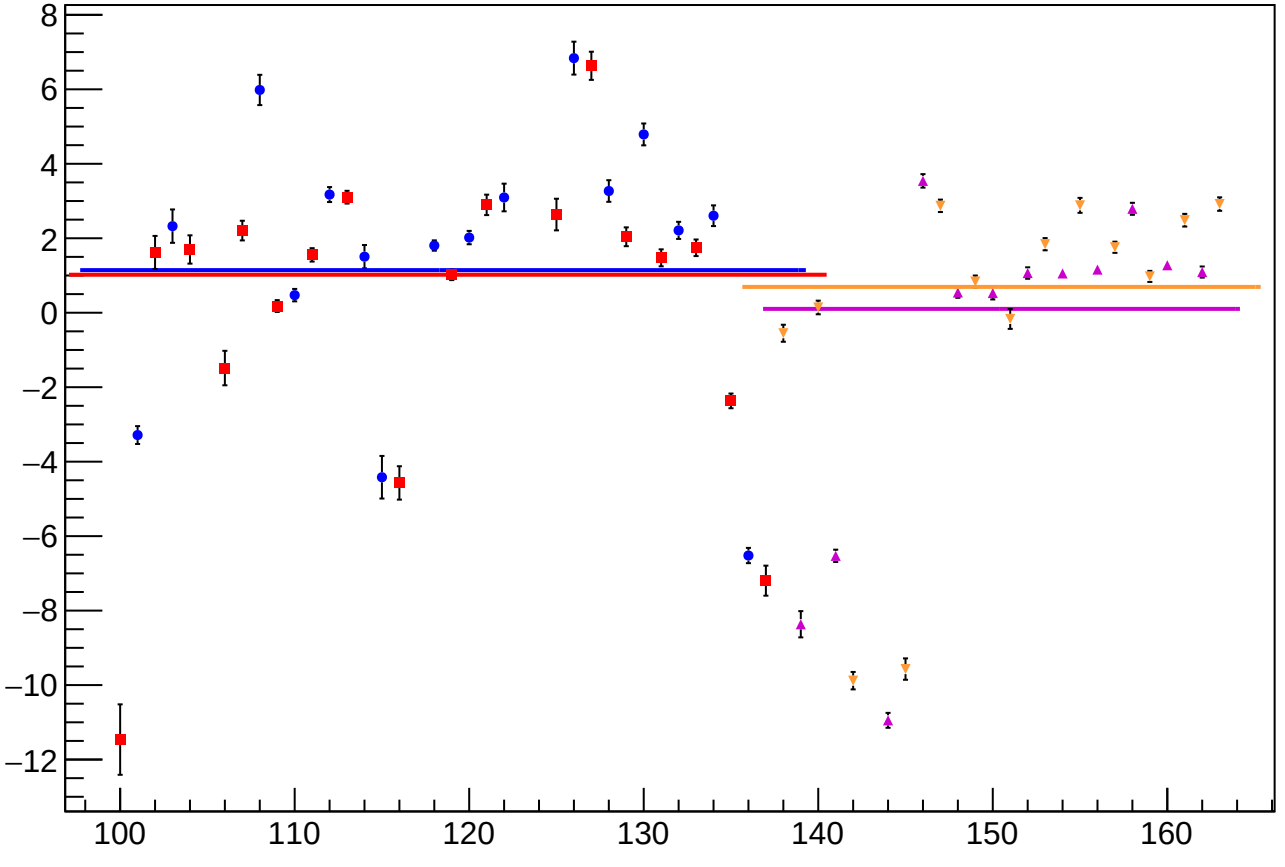
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.109+/-0.041 χ^2/NDF:206389.5/27

Out: 1.594+/-0.039 χ^2/NDF:203895.4/30

All: 1.362+/-0.028 χ^2/NDF: 410359.7/58

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.694+/-0.051 χ^2/NDF:4019.8/12

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.103+/-0.043 χ^2/NDF:6222.6/11

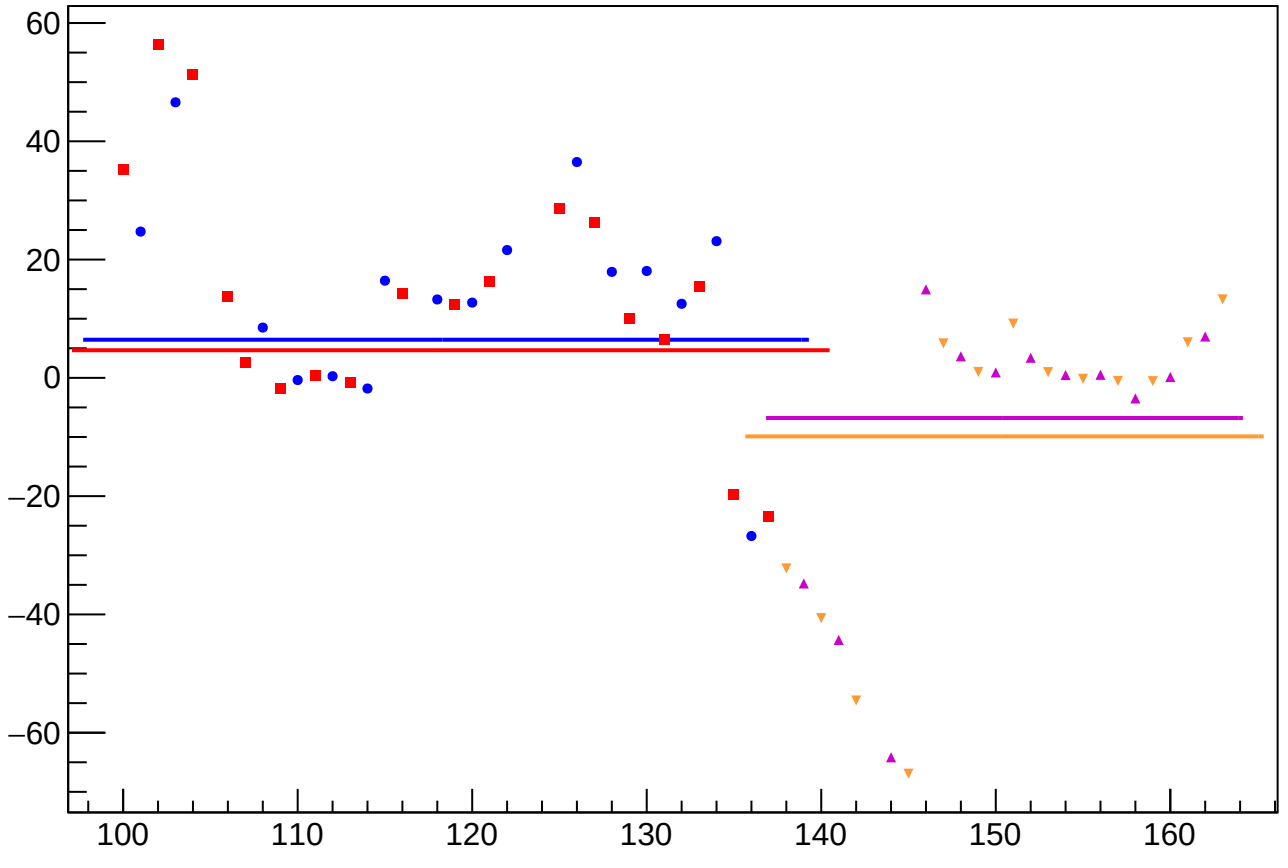
Left: 0.345+/-0.033 χ^2/NDF: 10321.1/24

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.451+/-0.035 χ^2/NDF:9017.5/27

Out: 0.839+/-0.038 χ^2/NDF:5629.2/30

All: 0.627+/-0.026 χ^2/NDF: 14703.3/58



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -9.899+/-0.070 χ^2/NDF:98561.1/12

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -6.784+/-0.058 χ^2/NDF:109223.3/11

Left: -8.064+/-0.045 χ^2/NDF: 208966.5/24

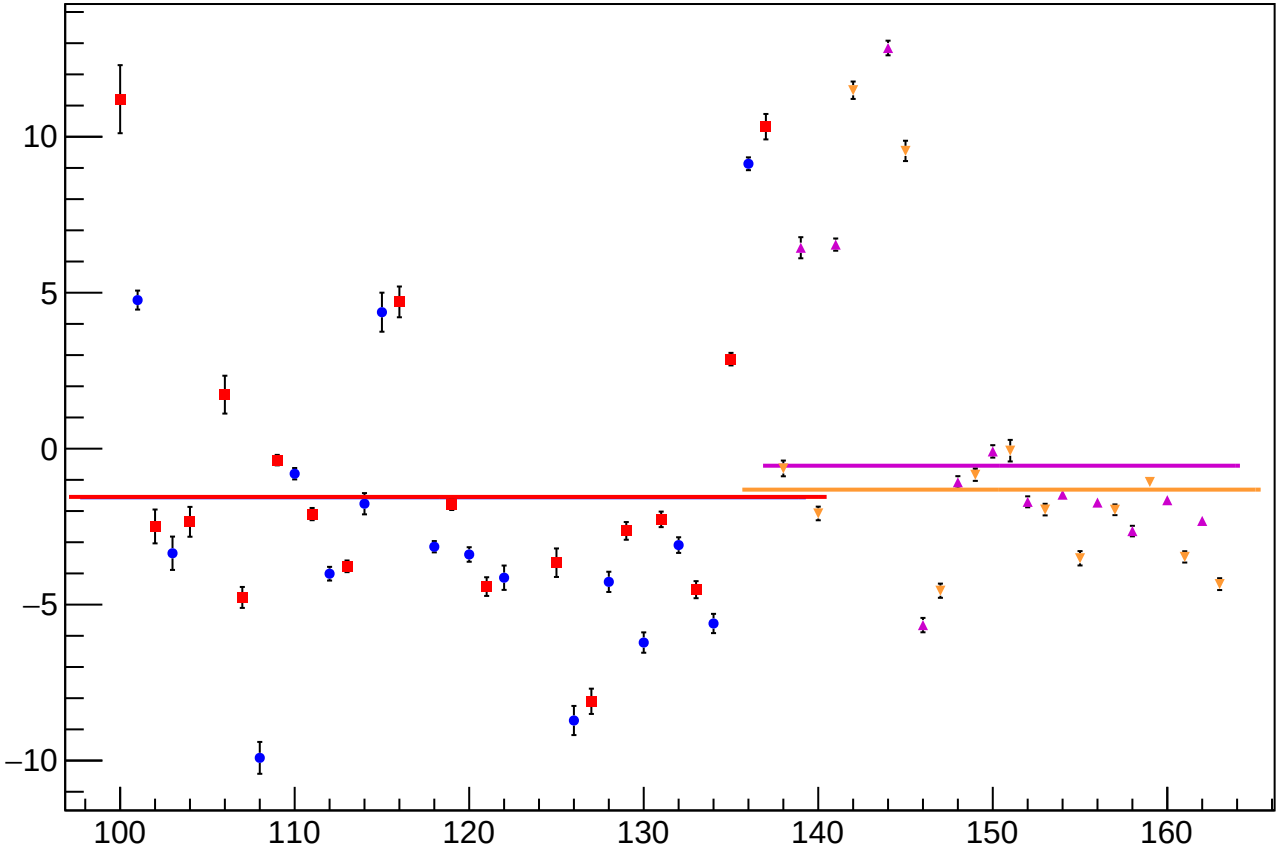
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.898+/-0.043 χ^2/NDF:203124.9/27

Out: -1.428+/-0.045 χ^2/NDF:198500.8/30

All: -1.153+/-0.031 χ^2/NDF: 401697.7/58

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.313+/-0.058 χ^2/NDF:3975.9/12

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -0.546+/-0.049 χ^2/NDF:6034.8/11

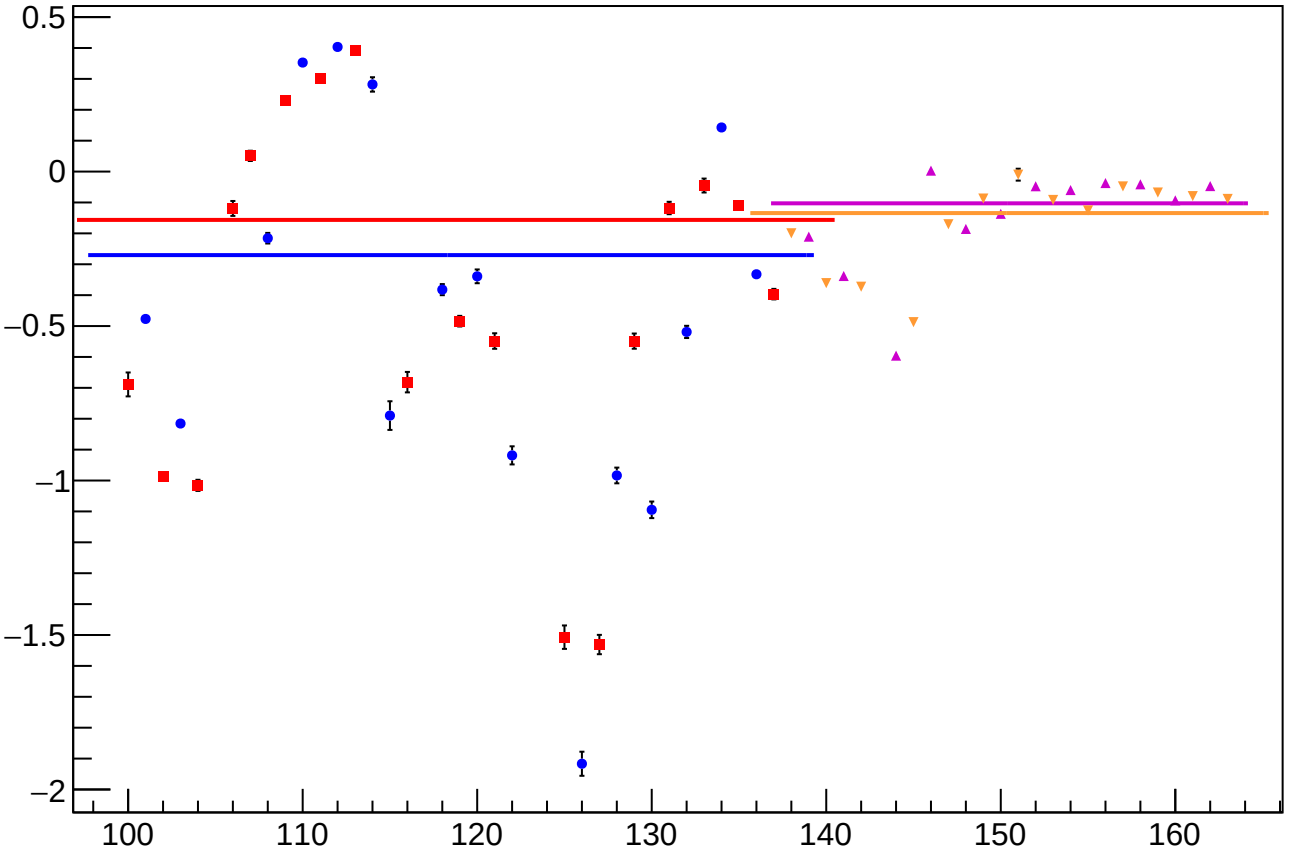
Left: -0.860+/-0.037 χ^2/NDF: 10112.6/24

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.880+/-0.040 χ^2/NDF:10721.0/27

Out: -1.419+/-0.043 χ^2/NDF:6453.2/30

All: -1.127+/-0.029 χ^2/NDF: 17258.0/58



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.134+/-0.003 χ^2/NDF:1949.1/12

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.103+/-0.002 χ^2/NDF:2988.4/11

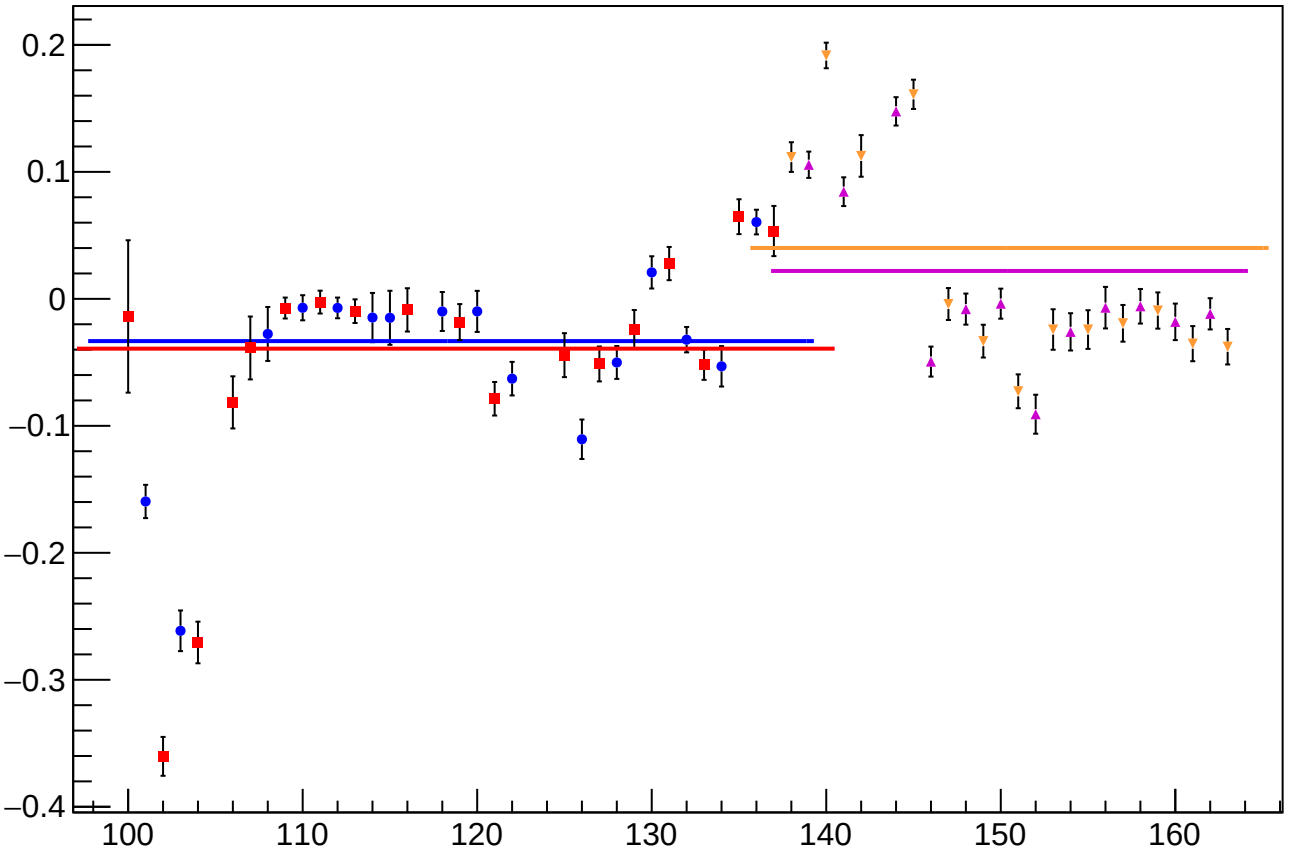
Left: -0.115+/-0.002 χ^2/NDF: 5029.5/24

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.136+/-0.002 χ^2/NDF:16397.4/27

Out: -0.141+/-0.002 χ^2/NDF:17002.6/30

All: -0.138+/-0.001 χ^2/NDF: 33403.0/58



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.040+/-0.004 χ^2/NDF:633.9/12

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.022+/-0.004 χ^2/NDF:356.8/11

Left: 0.031+/-0.003 χ^2/NDF: 1002.9/24

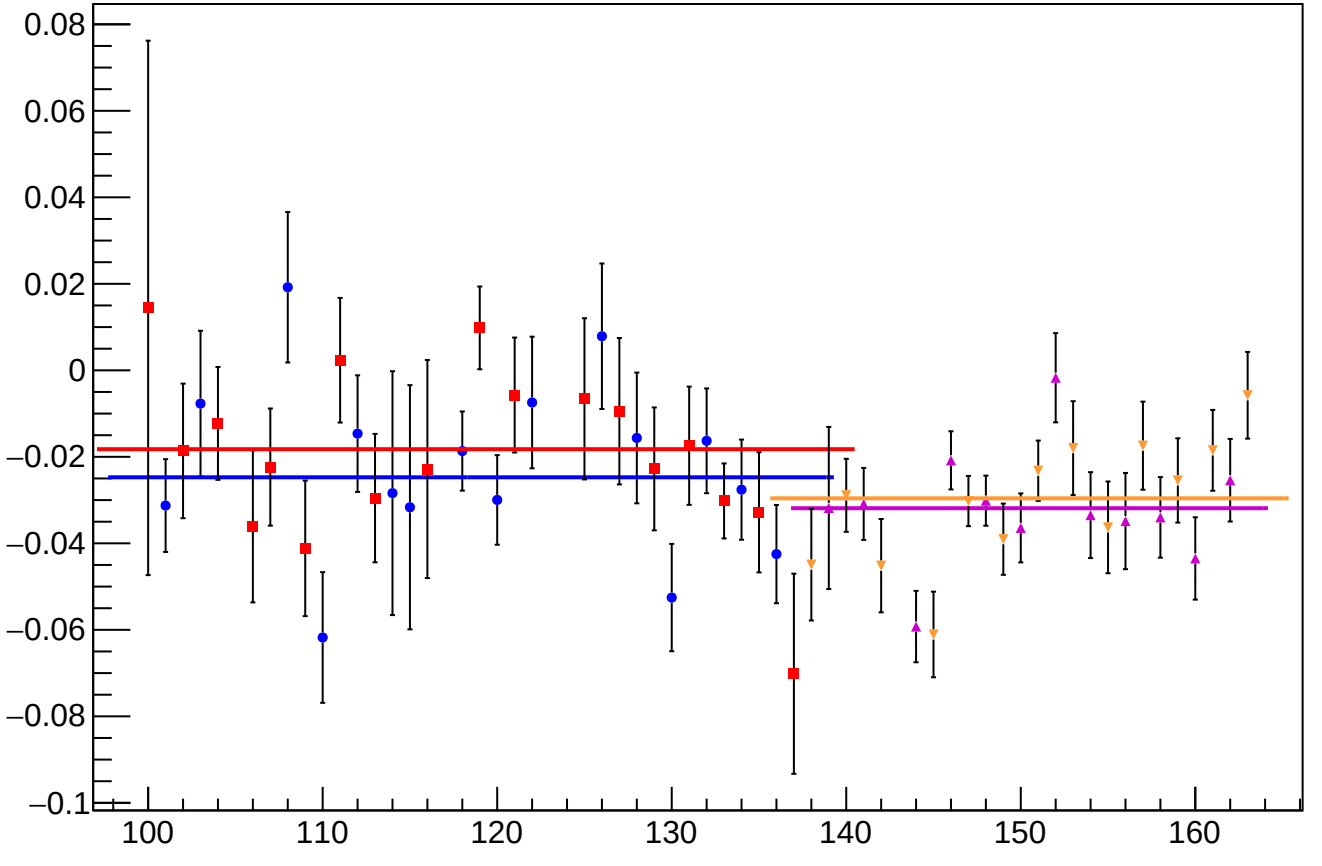
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.009+/-0.002 χ^2/NDF:949.7/27

Out: -0.005+/-0.002 χ^2/NDF:1708.8/30

All: -0.007+/-0.002 χ^2/NDF: 2659.9/58

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: -0.030+/-0.002 χ^2/NDF:26.0/12

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.032+/-0.002 χ^2/NDF:24.8/11

Left: -0.031+/-0.002 χ^2/NDF: 51.2/24

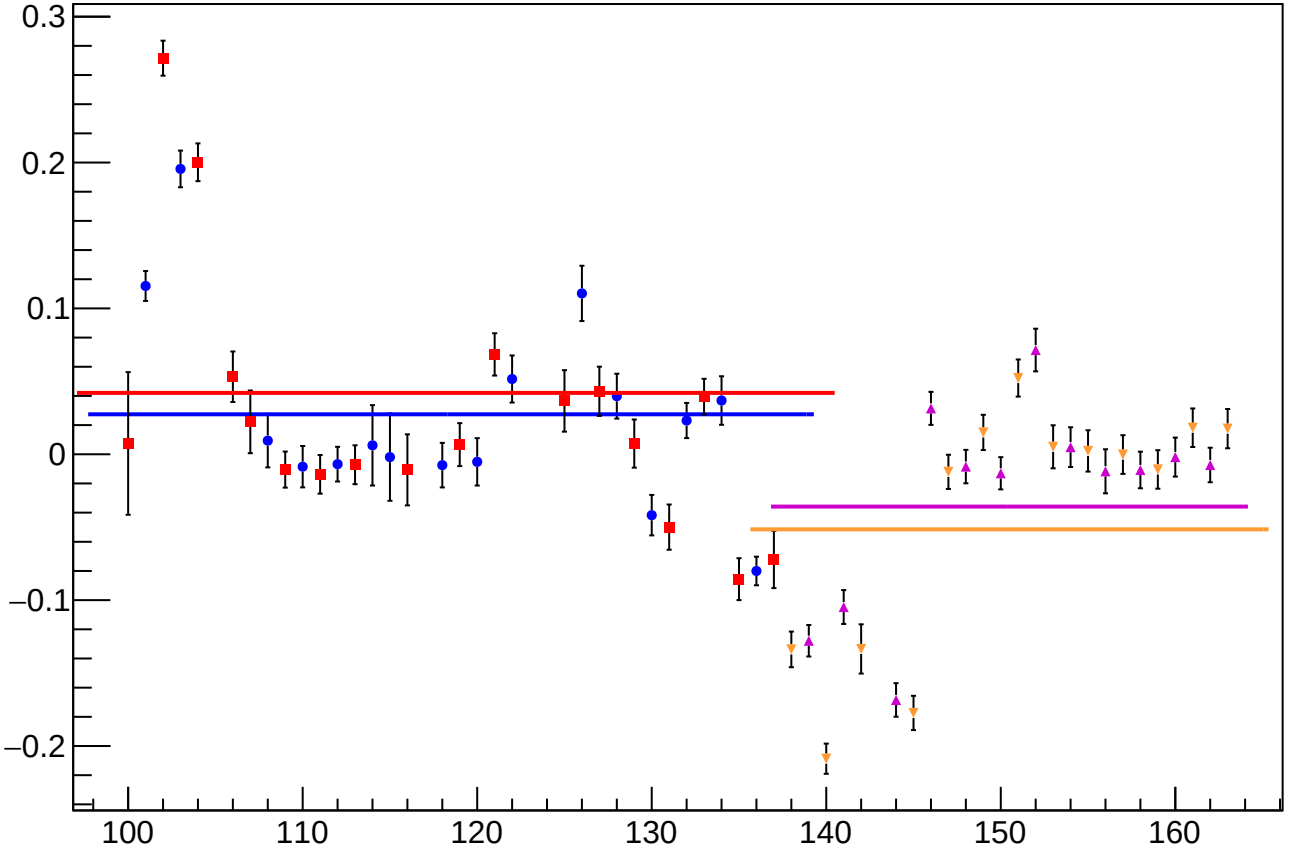
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.029+/-0.002 χ^2/NDF:56.3/27

Out: -0.026+/-0.002 χ^2/NDF:58.0/30

All: -0.027+/-0.001 χ^2/NDF: 116.0/58

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.051+/-0.004 χ^2/NDF:630.3/12

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.036+/-0.004 χ^2/NDF:367.7/11

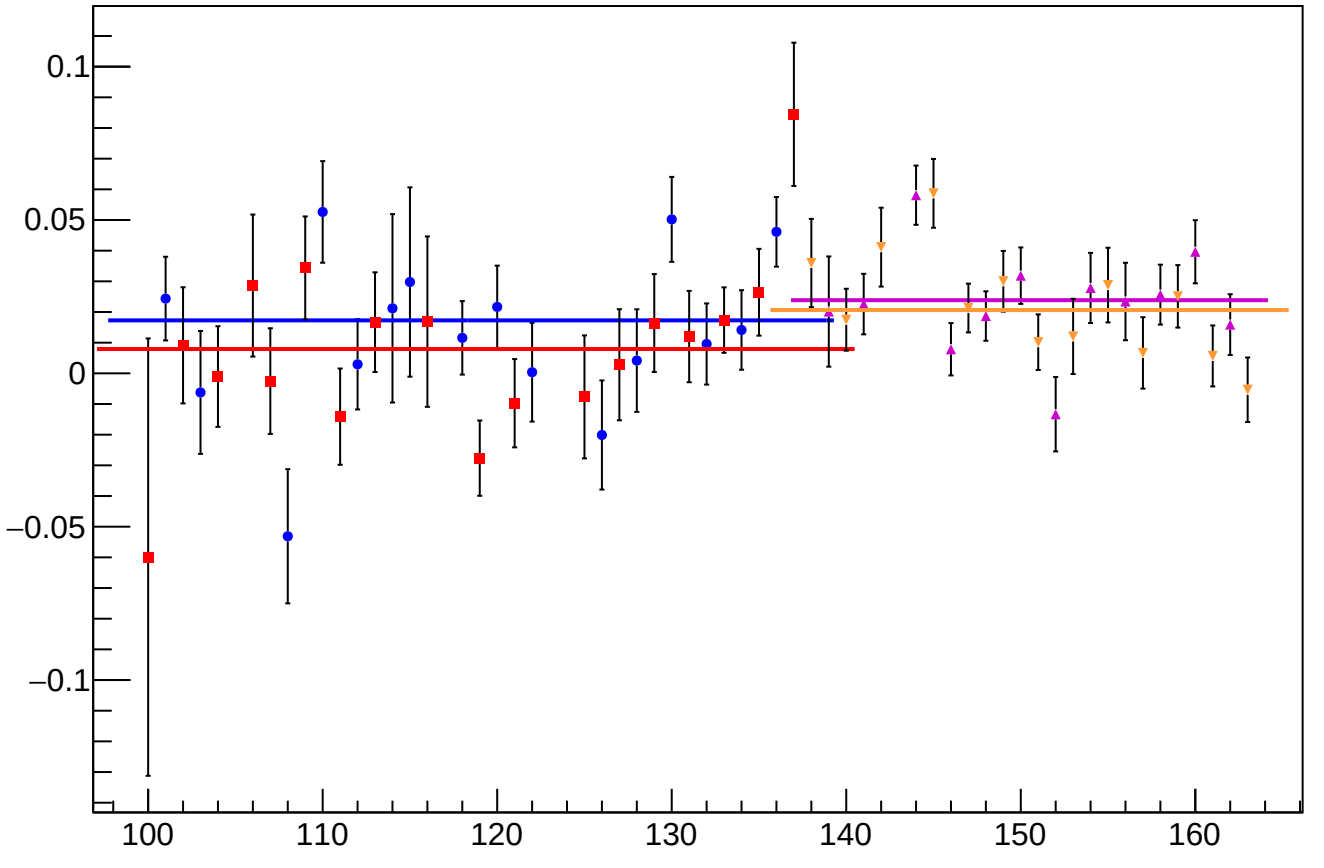
Left: -0.044+/-0.002 χ^2/NDF: 1007.7/24

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.003 χ^2/NDF:972.8/27

Out: -0.006+/-0.003 χ^2/NDF:1702.2/30

All: -0.005+/-0.002 χ^2/NDF: 2675.0/58



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.021+/-0.003 χ^2/NDF:28.5/12

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.024+/-0.003 χ^2/NDF:29.8/11

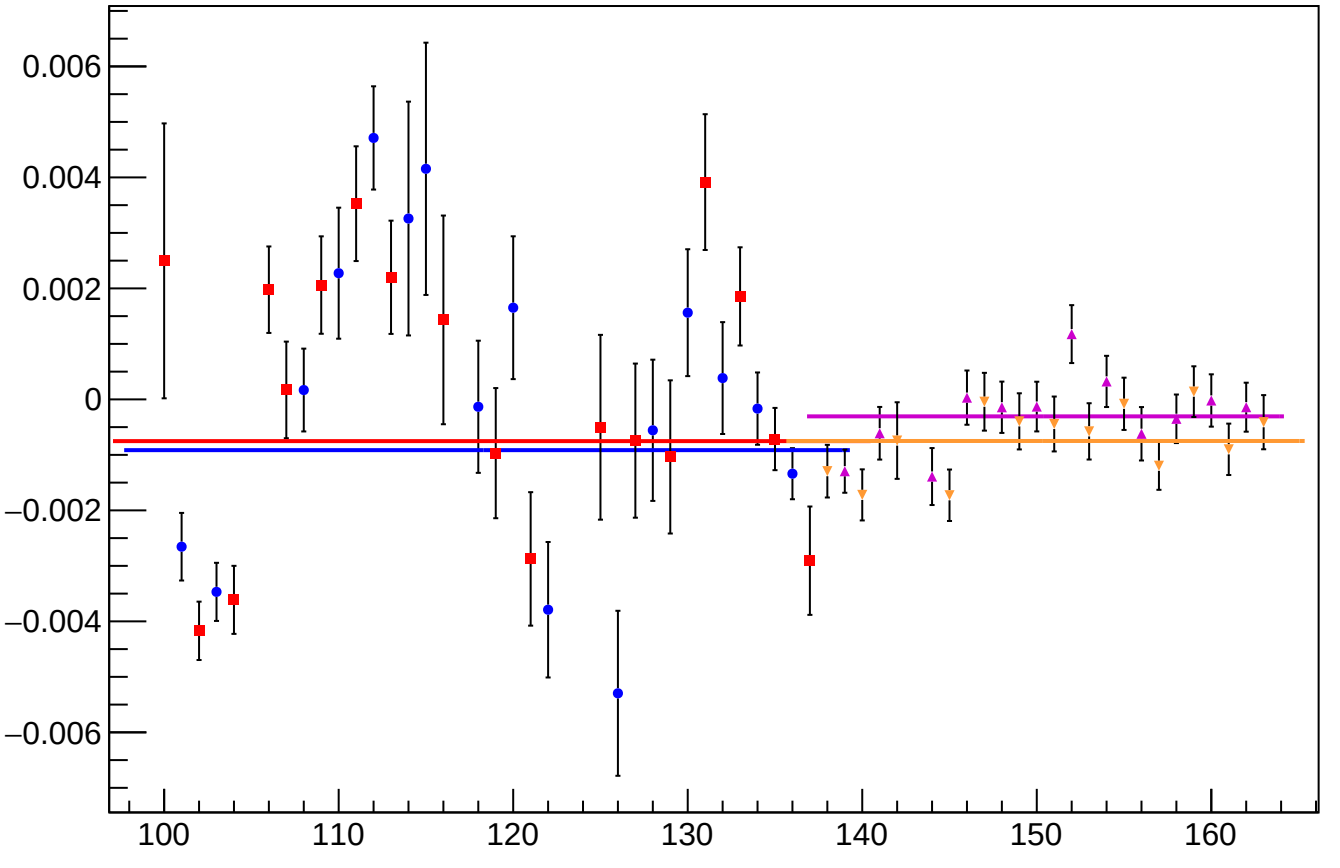
Left: 0.022+/-0.002 χ^2/NDF: 58.9/24

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

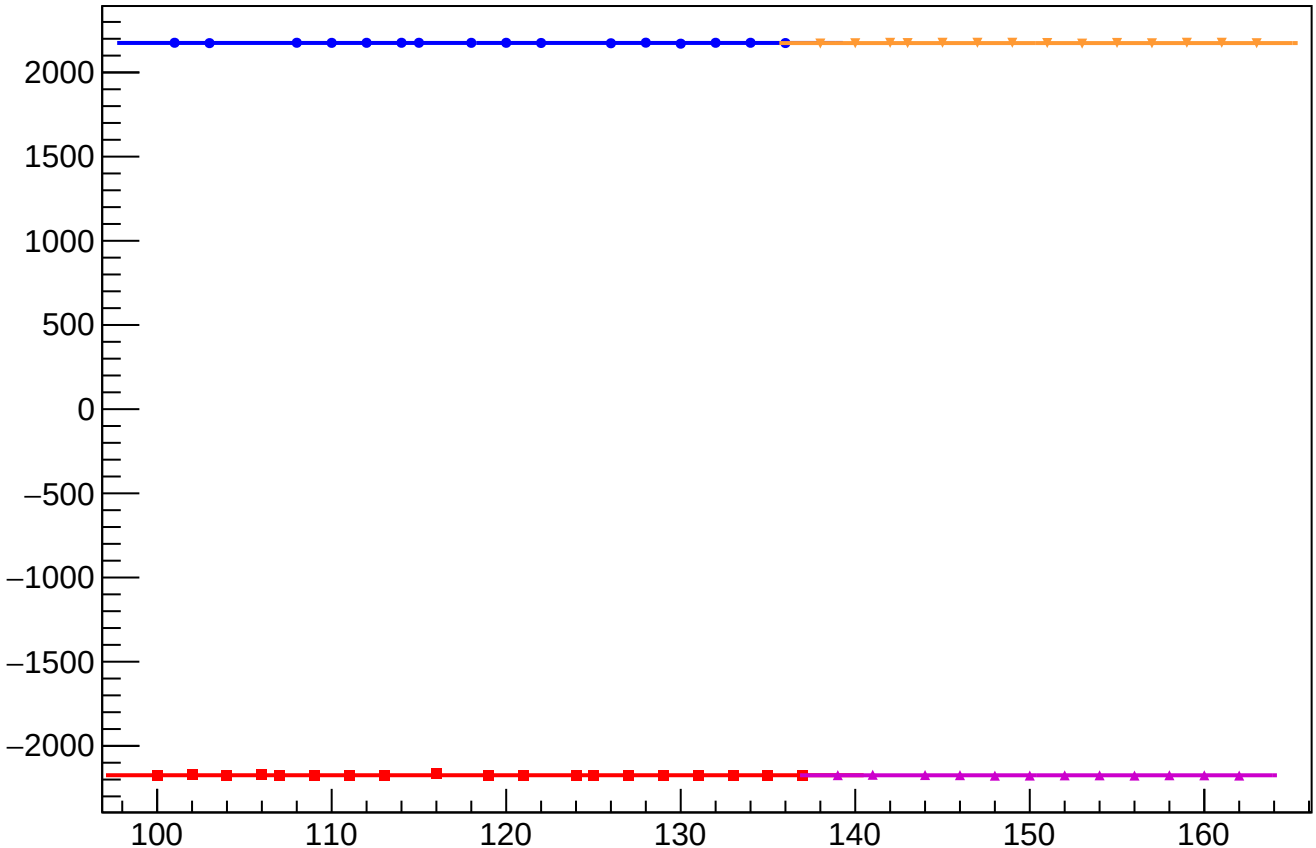
In: 0.021+/-0.002 χ^2/NDF:68.4/27

Out: 0.016+/-0.002 χ^2/NDF:66.6/30

All: 0.019+/-0.002 χ^2/NDF: 137.6/58


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
160
Right In: -0.001+/-0.000 χ²/NDF: 114.1/15
Left Out: -0.001+/-0.000 χ²/NDF:20.5/12
Right Out: -0.001+/-0.000 χ²/NDF: 147.6/17
Left In: -0.000+/-0.000 χ²/NDF:23.0/11
Left: -0.001+/-0.000 χ²/NDF: 49.0/24
Right: -0.001+/-0.000 χ²/NDF: 261.9/33
In: -0.000+/-0.000 χ²/NDF:143.0/27
Out: -0.001+/-0.000 χ²/NDF:168.1/30
All: -0.001+/-0.000 χ²/NDF: 313.9/58

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.432+/-0.000 χ^2/NDF:34791799789233925677126726199541 76.0/13

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.642+/-0.000 χ^2/NDF:24242364759054324850267049752002 56.0/11

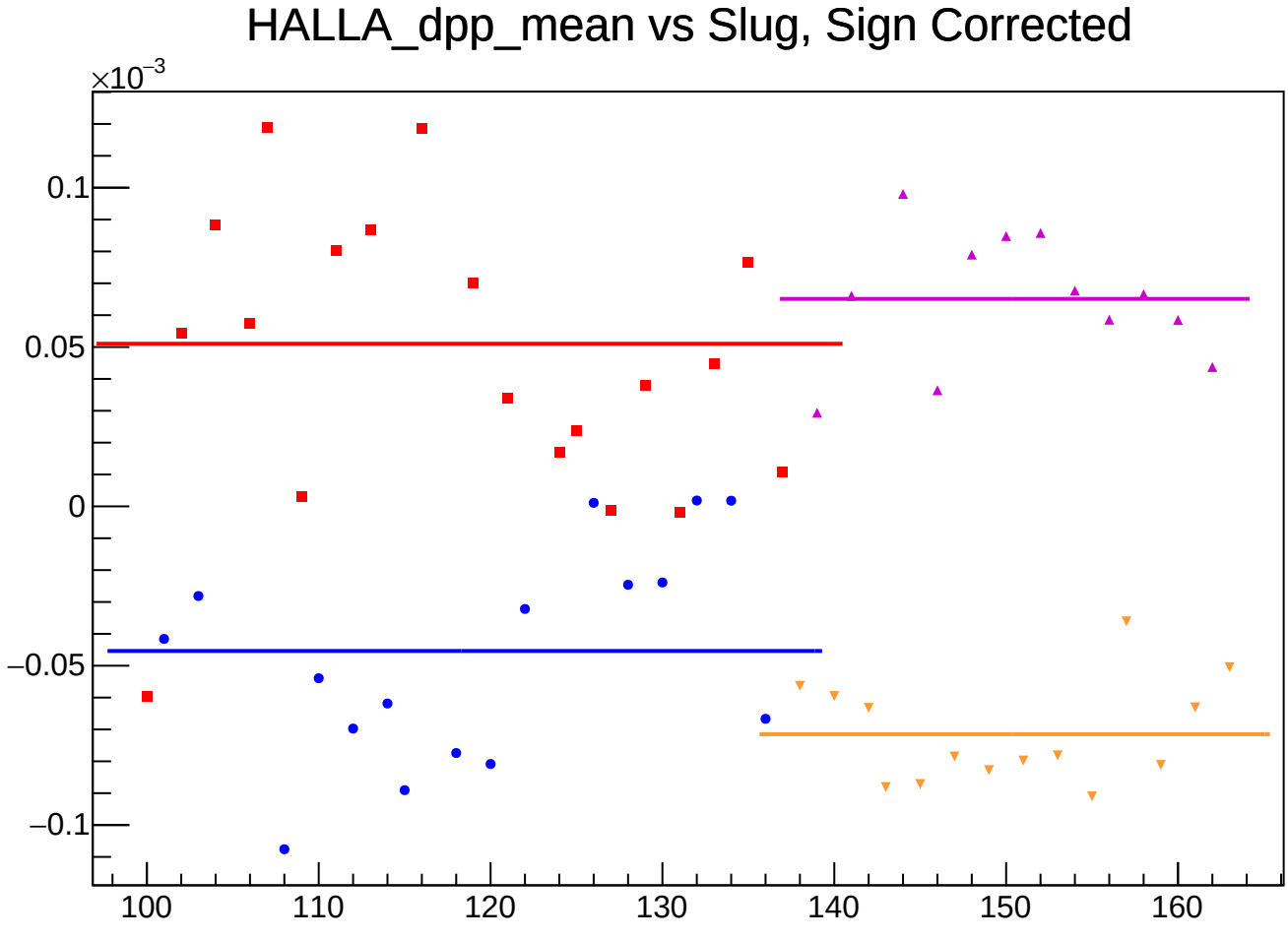
Left: 90.904+/-0.000 χ^2/NDF: 10601859374656344

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

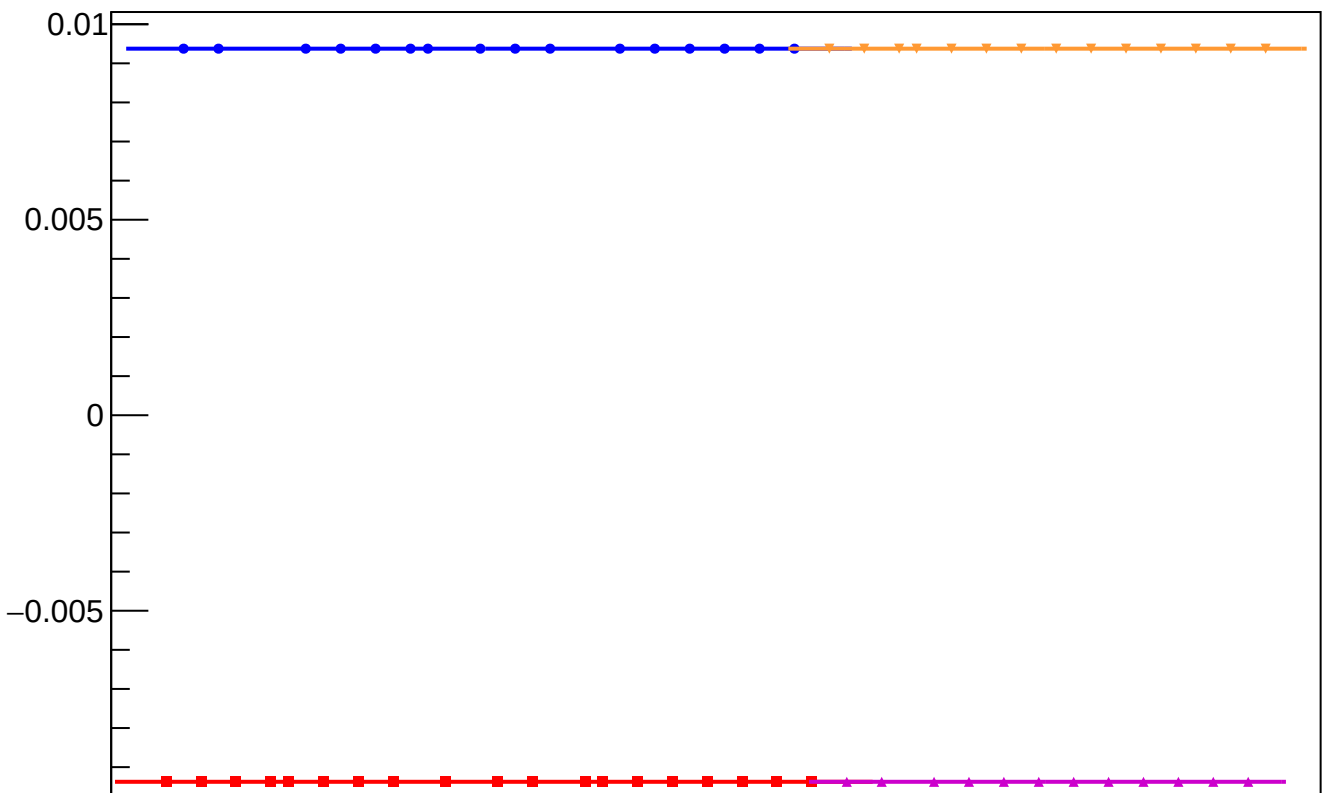
In: -400.710+/-0.000 χ^2/NDF:8302766971606057

Out: 457.877+/-0.000 χ^2/NDF:8733914855196344

All: 41.863+/-0.000 χ^2/NDF: 1772711886208


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29536726164884173094912 0.0/13
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:42369617958845506230681 6.0/11
Left: -0.000+/-0.000 χ²/NDF: 11179339595592668
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:64935044759940131160
Out: -0.000+/-0.000 χ²/NDF:82414077064866363
All: -0.000+/-0.000 χ²/NDF: 1648149420036

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/11

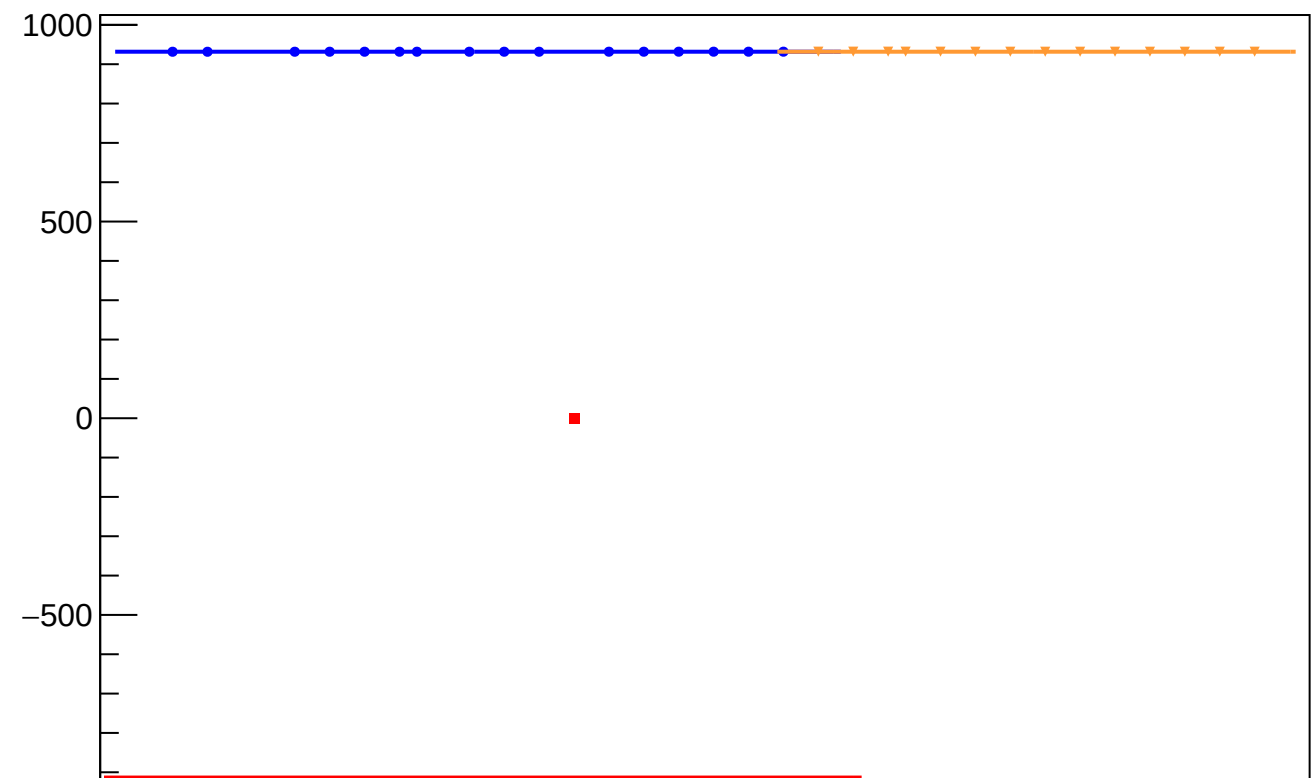
Left: 0.000+/-0.000 χ^2/NDF: 197056572796081205

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:154268798156301193

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 32946834374999



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:414426876666815900968382627840 0.0/13

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.772+/-0.000 χ^2/NDF:3633819771517626897201736187904.0/11

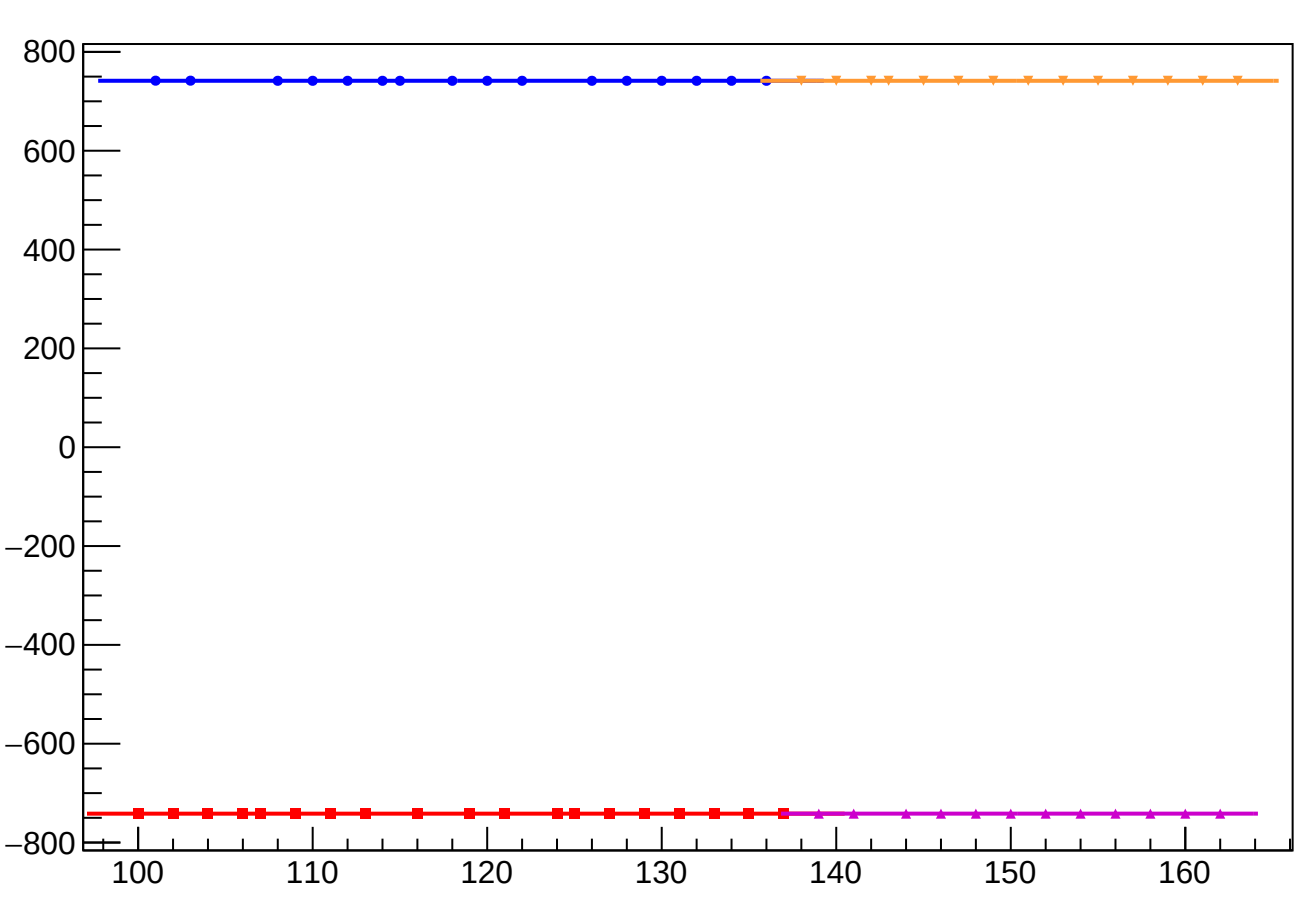
Left: 39.003+/-0.000 χ^2/NDF: 19465869964612069

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -171.792+/-0.000 χ^2/NDF:1523889867555871

Out: 203.429+/-0.000 χ^2/NDF:1585229009215760

All: 21.622+/-0.000 χ^2/NDF: 3240983967146



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.517+/-0.000 χ^2/NDF:125372309995692125920029573120.0/13

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.517+/-0.000 χ^2/NDF:110168696842887575301915672576.0/11

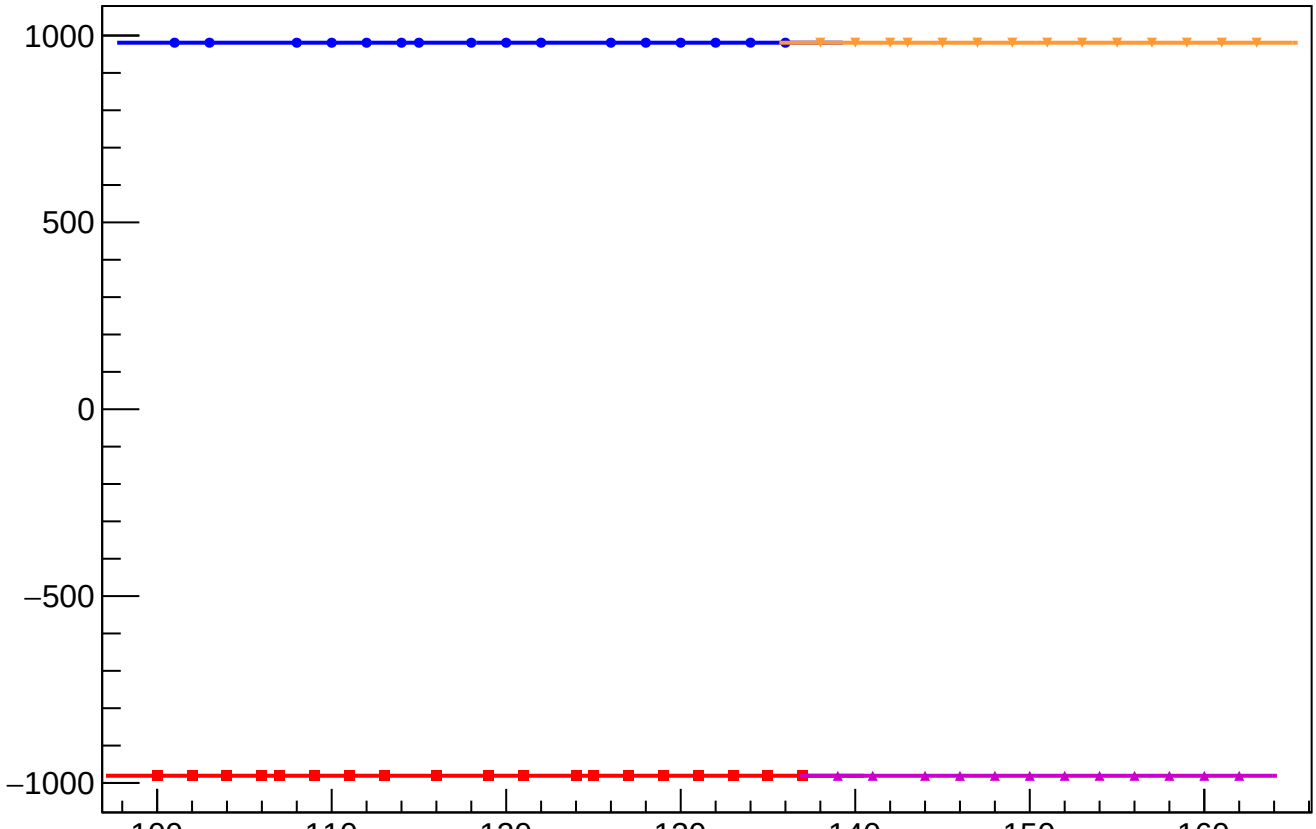
Left: 31.034+/-0.000 χ^2/NDF: 1232795194613860 8

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998 9

In: -136.692+/-0.000 χ^2/NDF:9651801806042602

Out: 156.106+/-0.000 χ^2/NDF:1015817860887575

All: 14.235+/-0.000 χ^2/NDF: 2061293642512



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

Left Out: 980.772+/-0.000 χ^2/NDF:628425582459287685161577086976.0/13

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920/18

Left In: -980.783+/-0.000 χ^2/NDF:11981437664784252567150940651520/11

Left: 41.042+/-0.000 χ^2/NDF: 21566985625762082

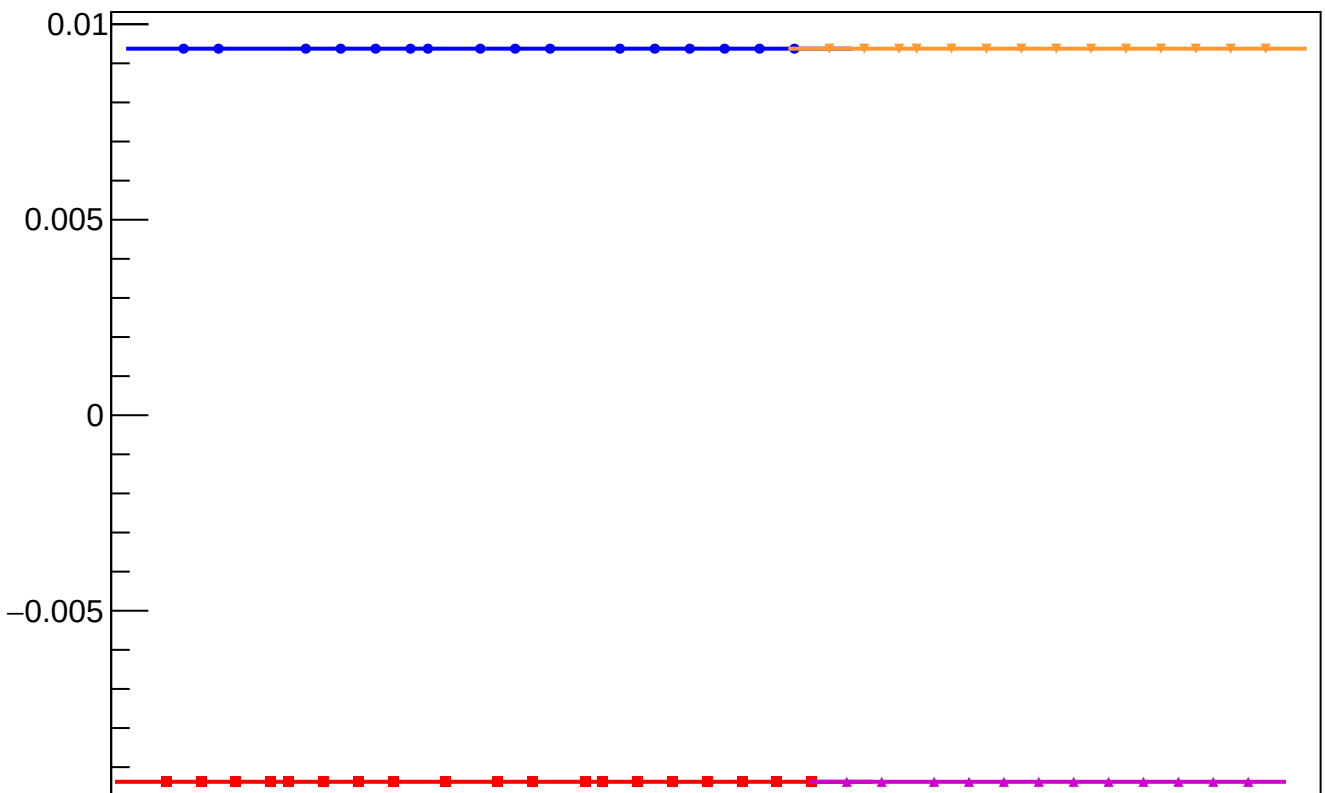
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -180.818+/-0.000 χ^2/NDF:1688459190740125

Out: 206.524+/-0.000 χ^2/NDF:1776862803246597

All: 18.844+/-0.000 χ^2/NDF: 360584418612

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/11

Left: 0.000+/-0.000 χ^2/NDF: 197056572796081205

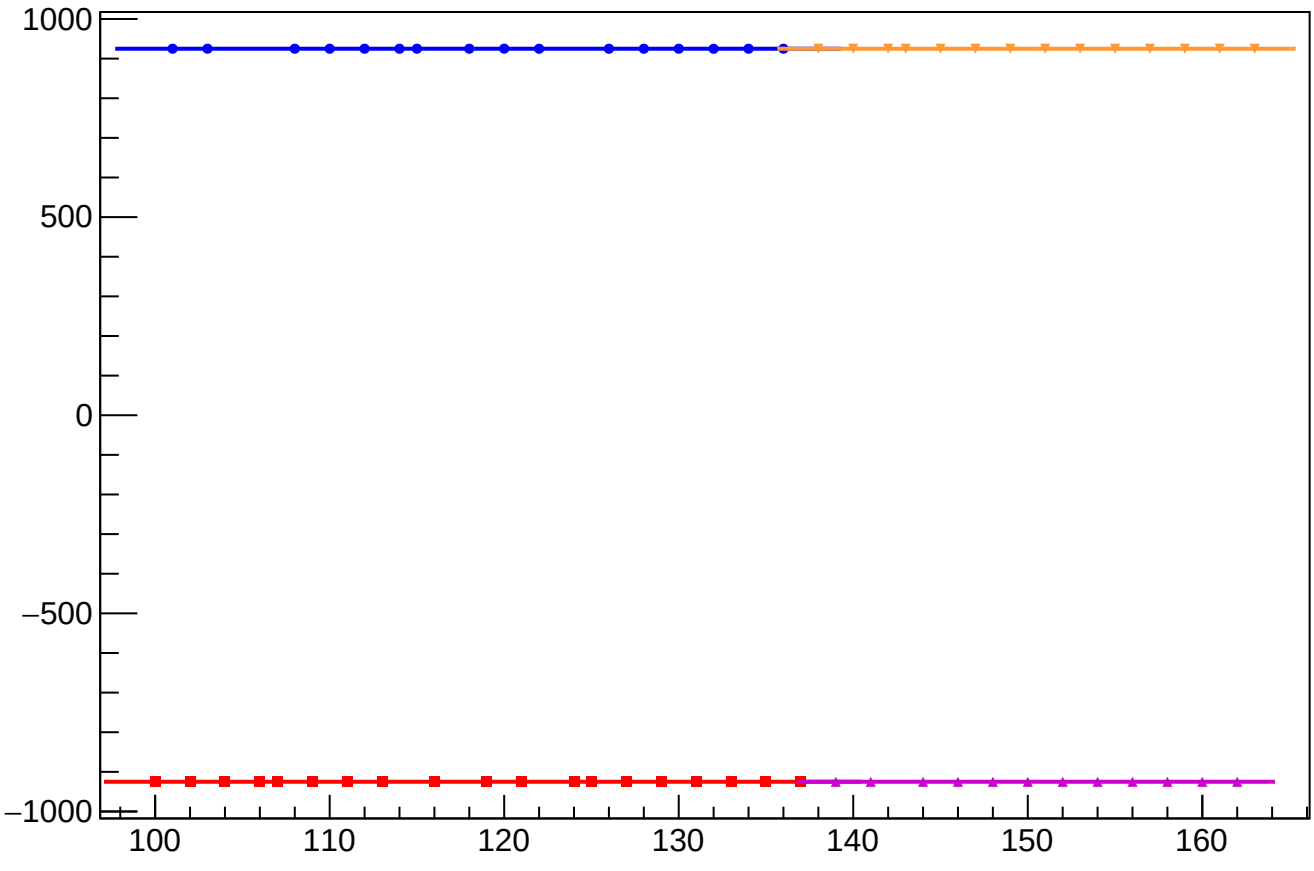
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:154268798156301193

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 32946834374999

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.989+/-0.000 χ^2/NDF:75612471672008082987340005376 0.0/13

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.991+/-0.000 χ^2/NDF:56008124687497204534418708889 6.0/11

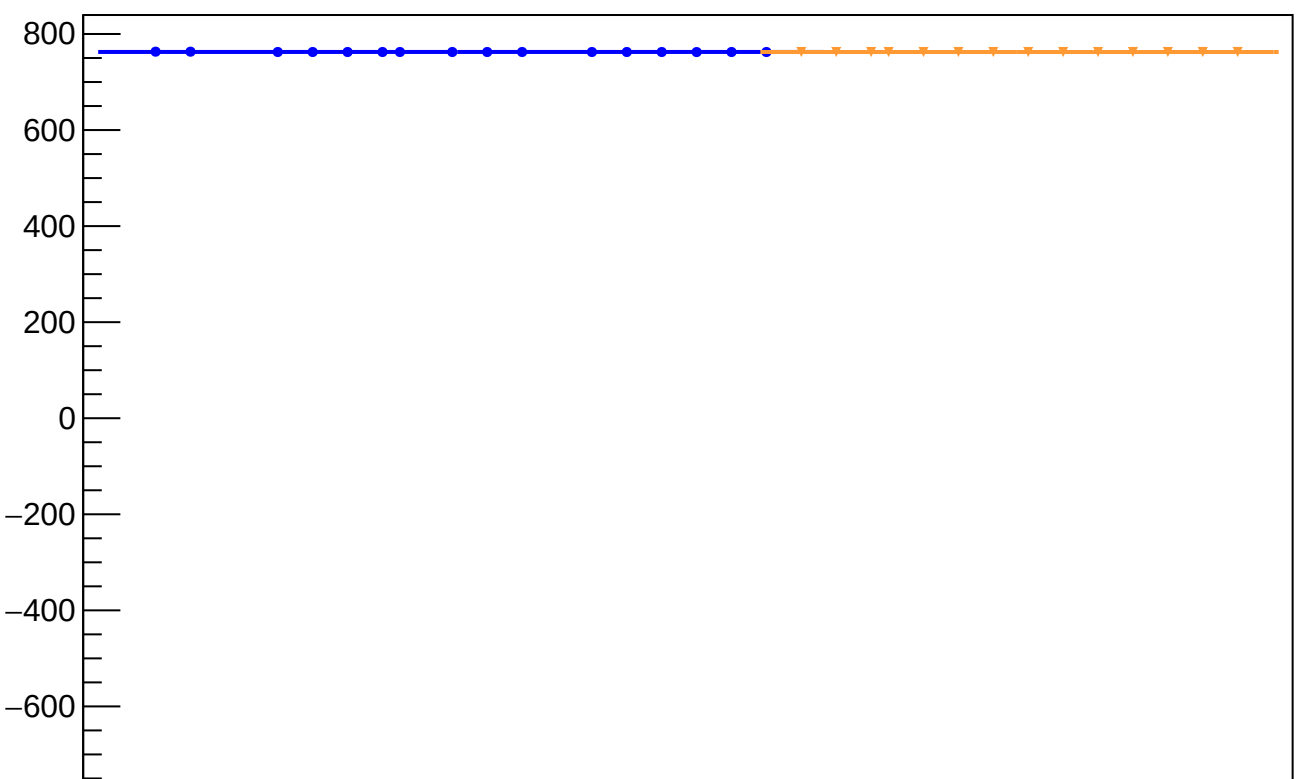
Left: 38.712+/-0.000 χ^2/NDF: 191832632485717 60

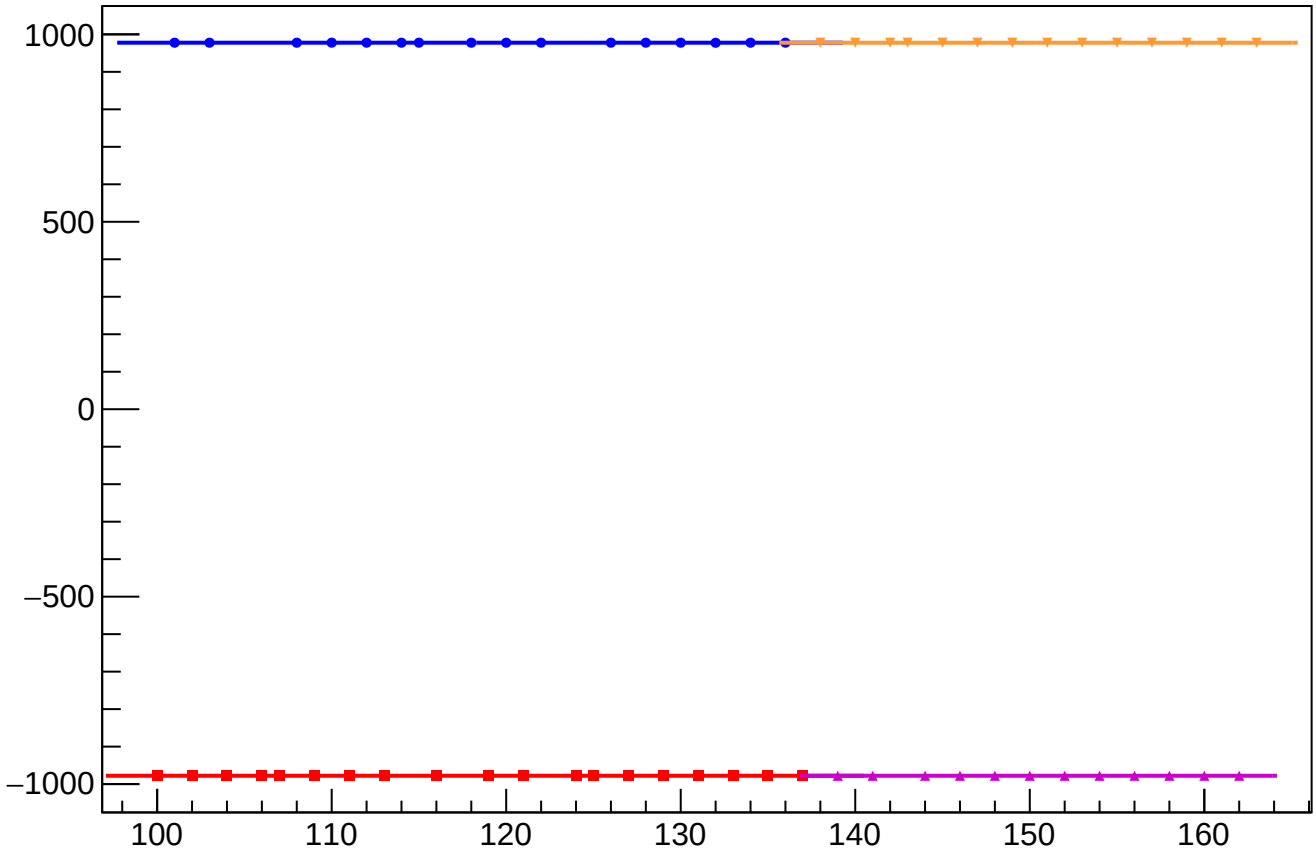
Right: -13.534+/-0.000 χ^2/NDF: 12865015591145 07

In: -170.551+/-0.000 χ^2/NDF:15017549147826 53

Out: 194.765+/-0.000 χ^2/NDF:15805365680344 94

All: 17.758+/-0.000 χ^2/NDF: 32072867035 66


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.505+/-0.000 χ²/NDF:2513546308001427224630531194 88.0/13
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.504+/-0.000 χ²/NDF:167401674594590895402672717824.0/11
Left: 31.913+/-0.000 χ²/NDF: 1303566762156025
Right: -11.159+/-0.000 χ²/NDF: 8745102746392
In: -140.540+/-0.000 χ²/NDF:1020659418183986
Out: 160.503+/-0.000 χ²/NDF:1074207425687177
All: 14.638+/-0.000 χ²/NDF: 217974815379



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.744+/-0.000 χ^2/NDF:9987849656955650414601966714880/13

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.741+/-0.000 χ^2/NDF:954169102913385902852207017984.0/11

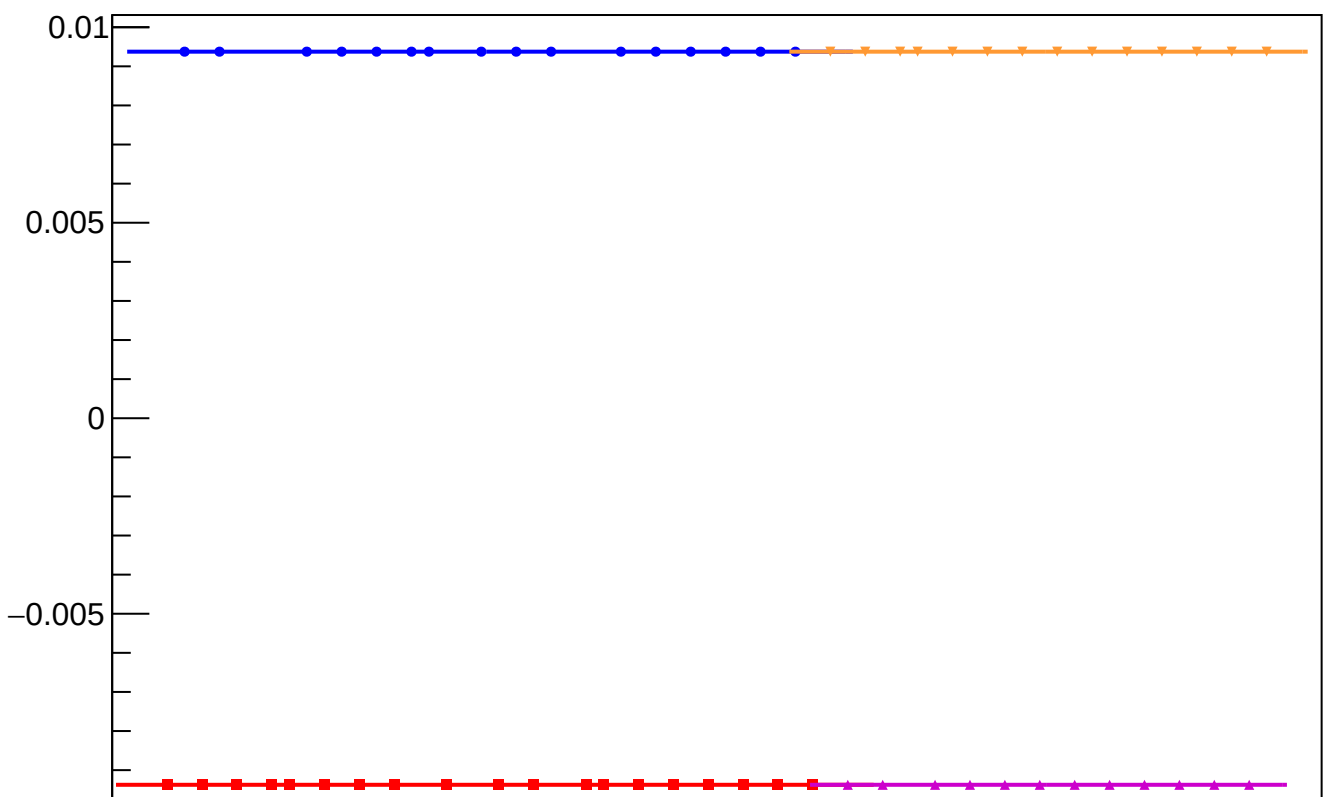
Left: 40.922+/-0.000 χ^2/NDF: 21433720948248333

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -180.263+/-0.000 χ^2/NDF:1677980778760164

Out: 205.866+/-0.000 χ^2/NDF:176599875308967

All: 18.774+/-0.000 χ^2/NDF: 3583622953411



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/11

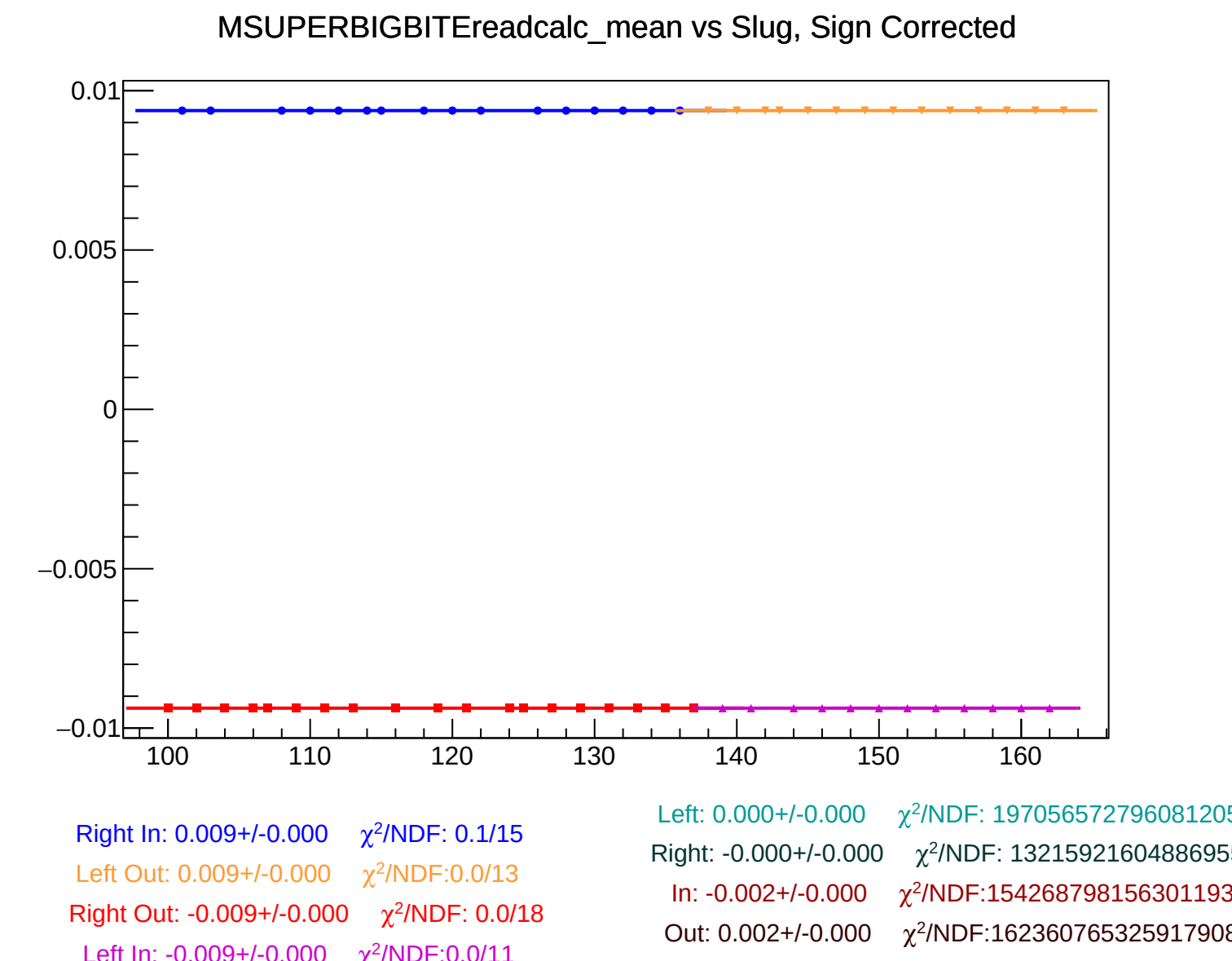
Left: 0.000+/-0.000 χ^2/NDF: 197056572796081205

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

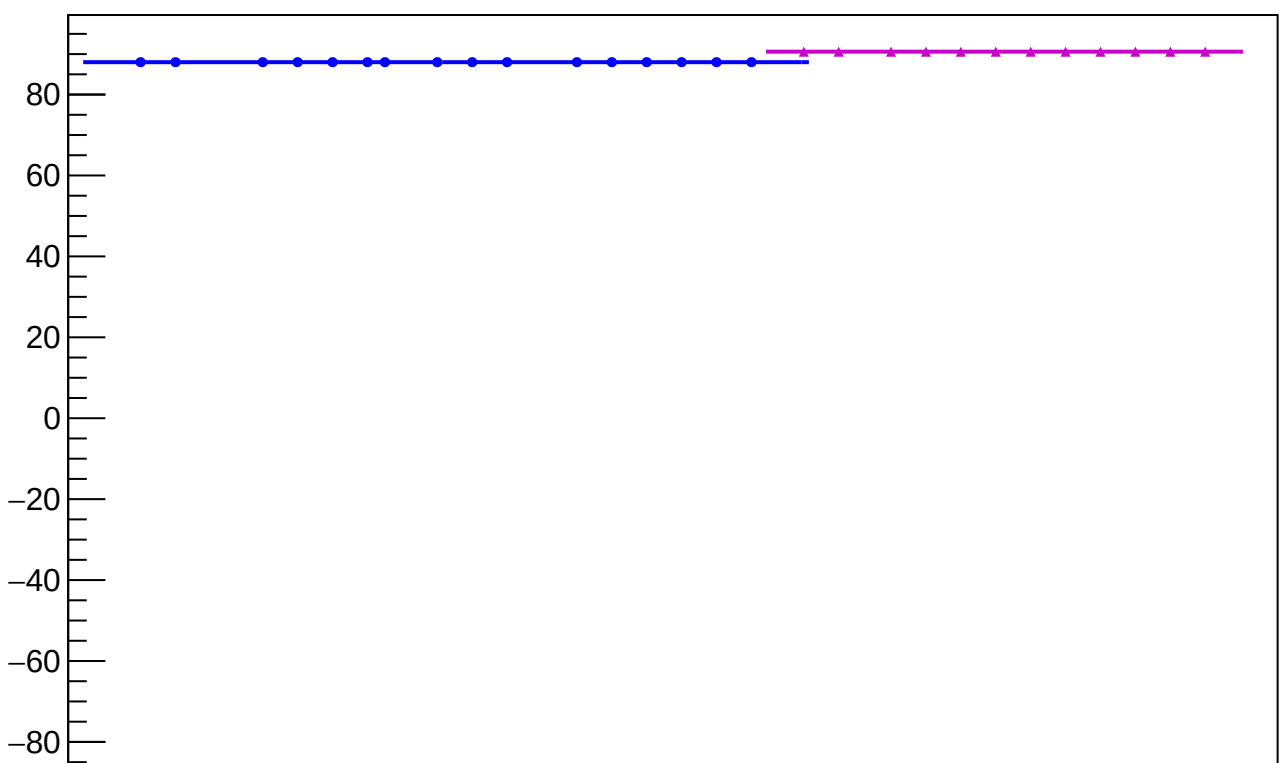
In: -0.002+/-0.000 χ^2/NDF:154268798156301193

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 32946834374999


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/13
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/11
Left: 0.000+/-0.000 χ²/NDF: 19705657279608120
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.002+/-0.000 χ²/NDF:154268798156301193
Out: 0.002+/-0.000 χ²/NDF:162360765325917908
All: 0.000+/-0.000 χ²/NDF: 32946834374999

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:3428679.8/13

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:767000.0/11

Left: -3.792+/-0.000 χ^2/NDF: 18403398357161369

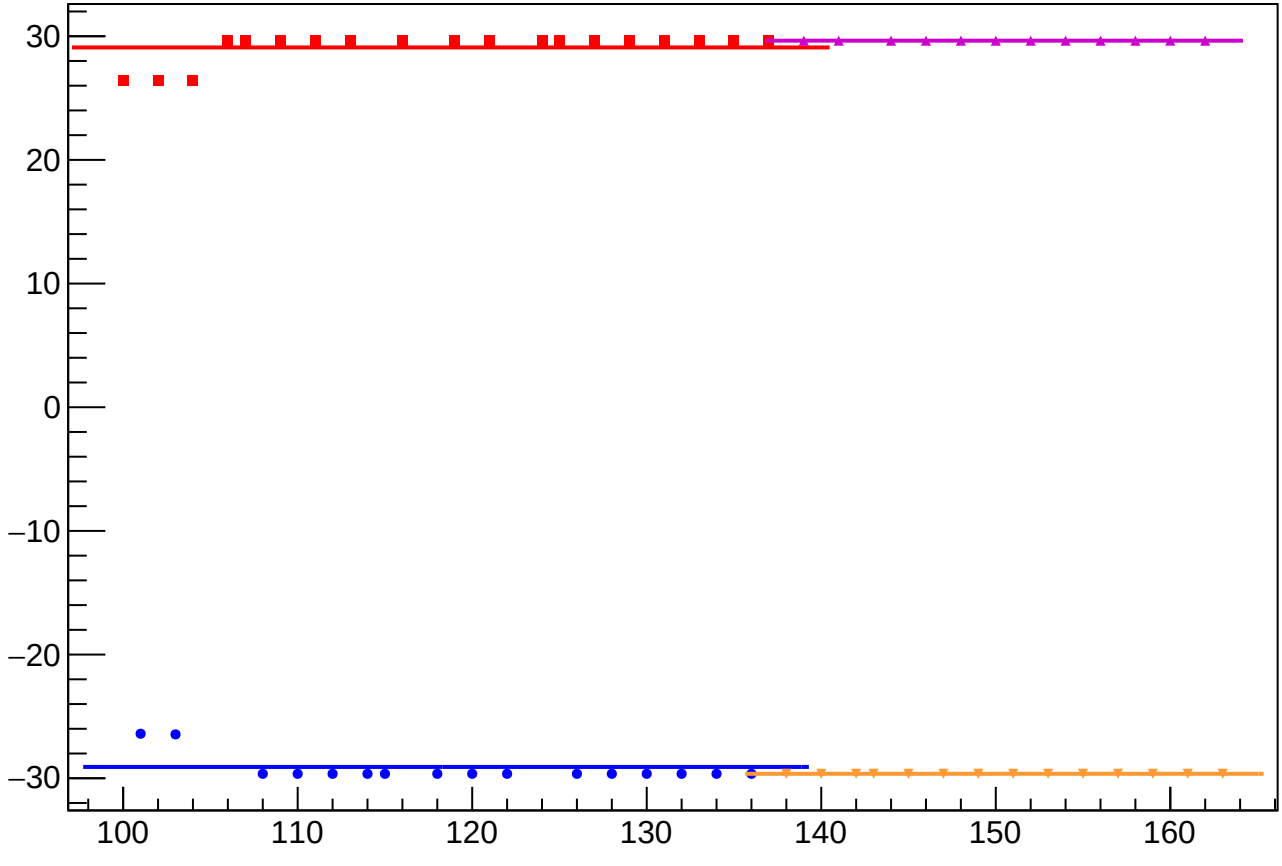
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.540+/-0.000 χ^2/NDF:296314109161948982

Out: -89.575+/-0.000 χ^2/NDF:3112156122486888

All: -2.788+/-0.000 χ^2/NDF: 3005407041144

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:178547.6/13

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:61139.9/11

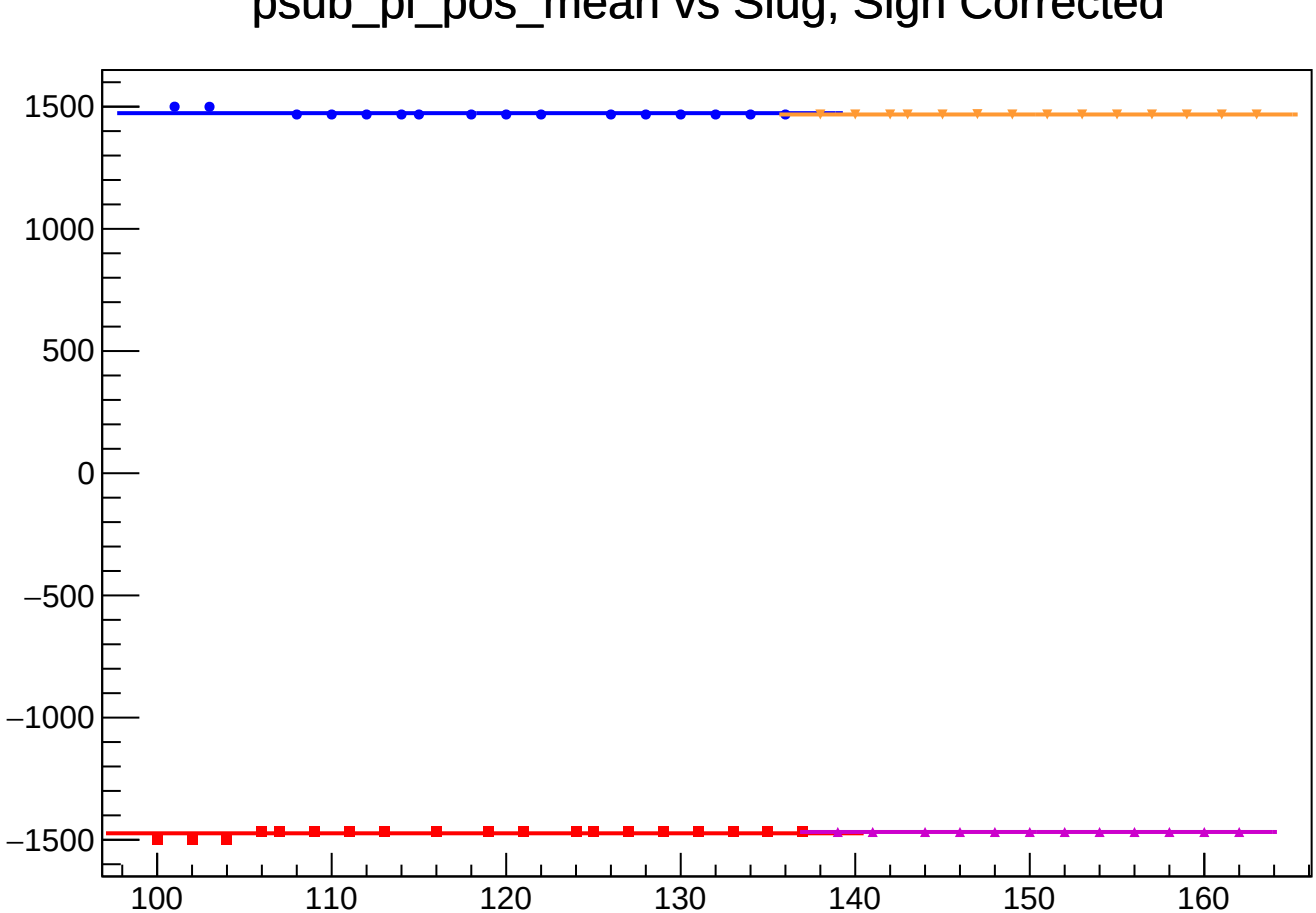
Left: -1.241+/-0.000 χ^2/NDF: 19698147070590147

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

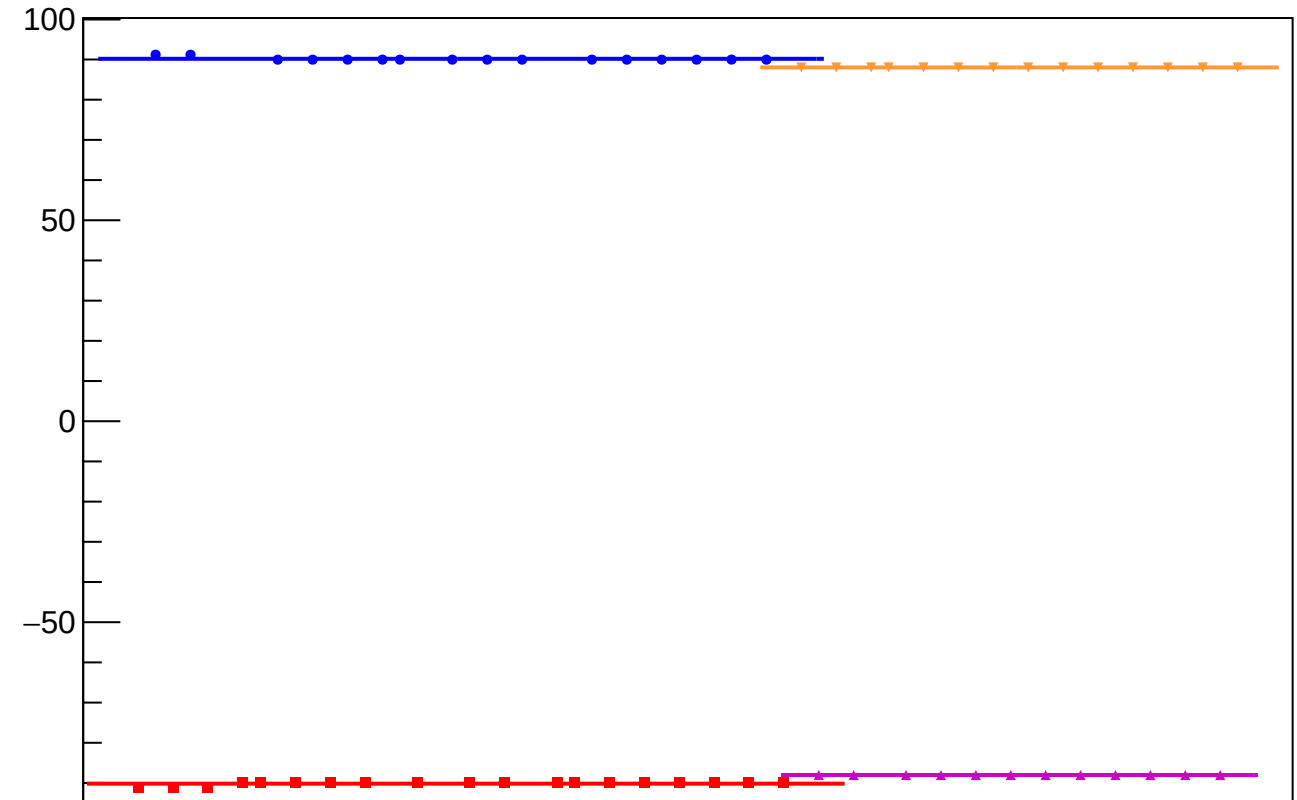
In: 5.691+/-0.000 χ^2/NDF:151443924575893160

Out: -6.457+/-0.000 χ^2/NDF:15942584867274109

All: -0.571+/-0.000 χ^2/NDF: 3246927067877


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: 1473.467+/-0.000 χ²/NDF: 10689419486070617687848579370477158 4.0/15
Left Out: 1468.088+/-0.000 χ²/NDF:135715844162853996425926643023872.0/13
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Left In: -1467.989+/-0.000 χ²/NDF:10758661706711365836432264396 8.0/11
Left: 61.490+/-0.000 χ²/NDF: 48319590105843721
Right: -21.516+/-0.000 χ²/NDF: 3264697385914600
In: -268.419+/-0.000 χ²/NDF:3796755917606302
Out: 307.017+/-0.000 χ²/NDF:3995973076044467
All: 28.199+/-0.000 χ²/NDF: 810286280856

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:2541318.6/13

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:473165.1/11

Left: 3.684+/-0.000 χ^2/NDF: 173707287788913525

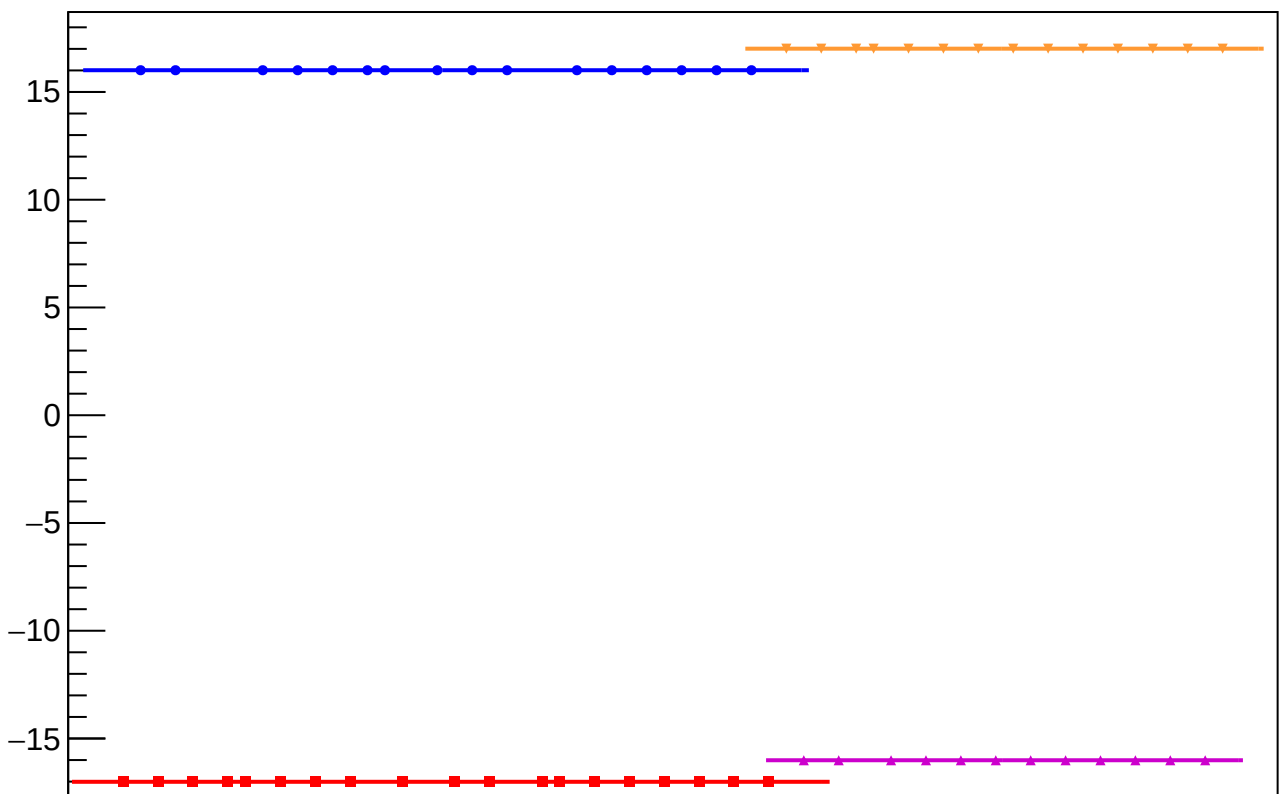
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -15.351+/-0.000 χ^2/NDF:13933623195137202

Out: 17.685+/-0.000 χ^2/NDF:14663861758446743

All: 1.678+/-0.000 χ^2/NDF: 2961966183939

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:1320736224040988433396531 2.0/13

Right Out: -17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

Left In: -16.009+/-0.000 χ^2/NDF:156712.0/11

Left: 0.949+/-0.000 χ^2/NDF: 560507679594614053

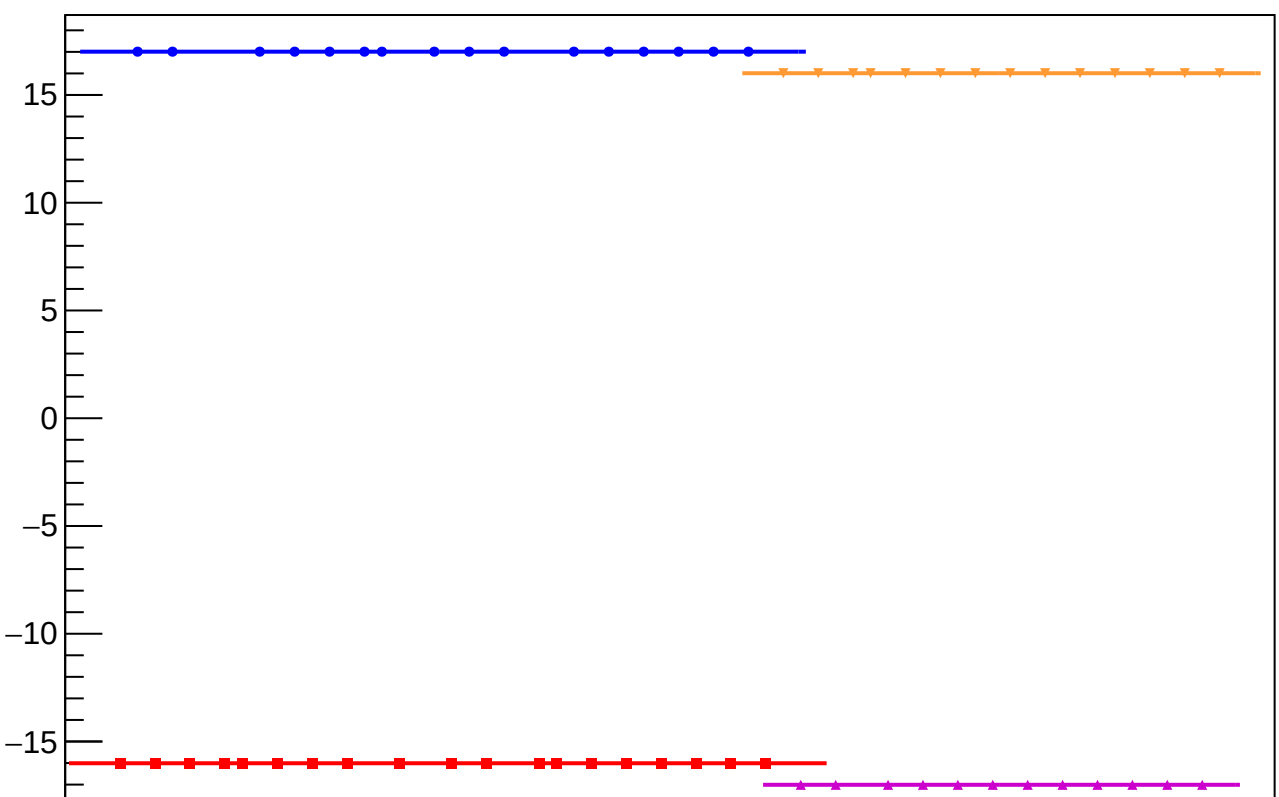
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -2.811+/-0.000 χ^2/NDF:423024273308087487

Out: 3.538+/-0.000 χ^2/NDF:484396827542045315

All: 0.407+/-0.000 χ^2/NDF: 9422089589827

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:50815.3/13

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:16054.9/11

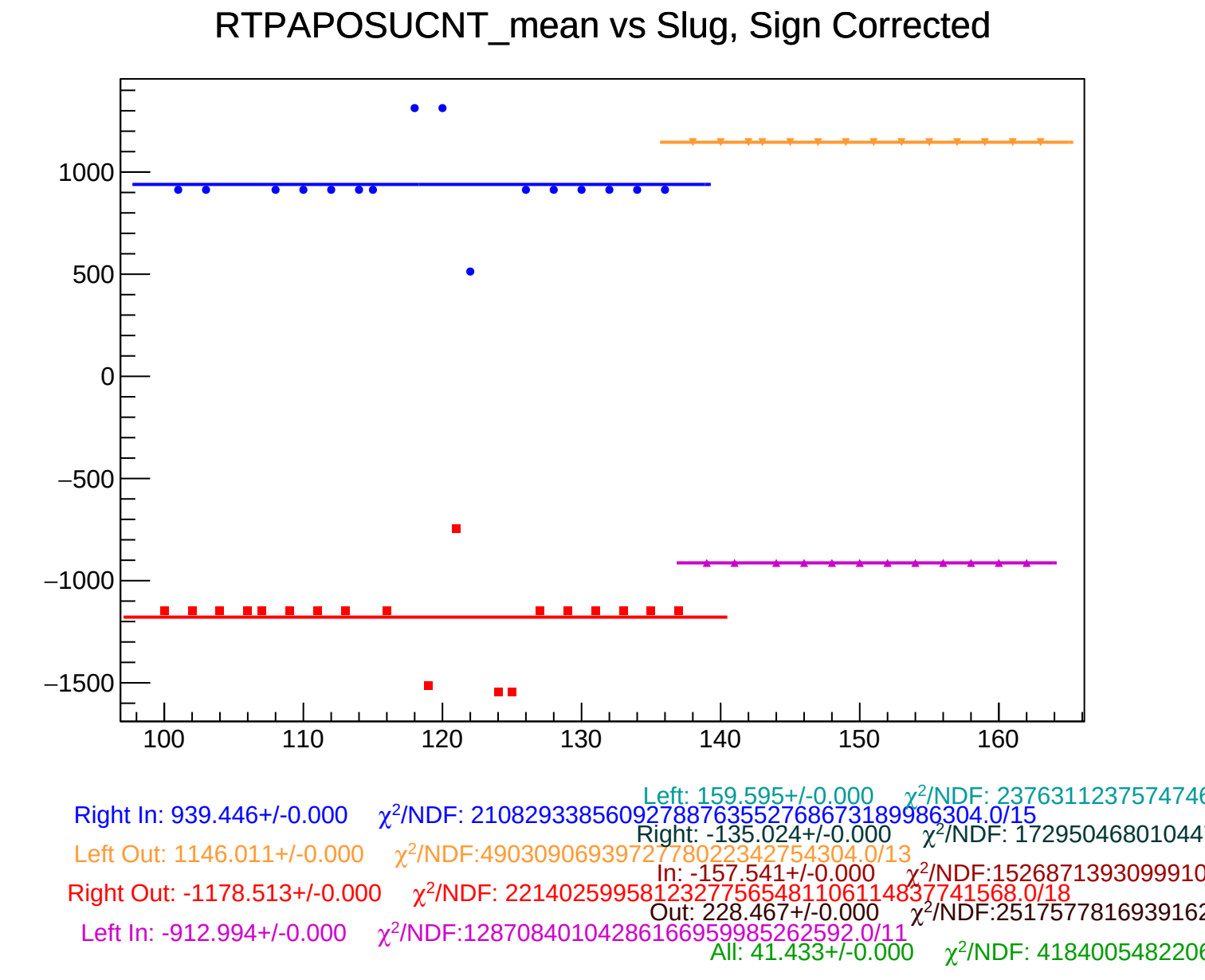
Left: 0.227+/-0.000 χ^2/NDF: 604995239586734685

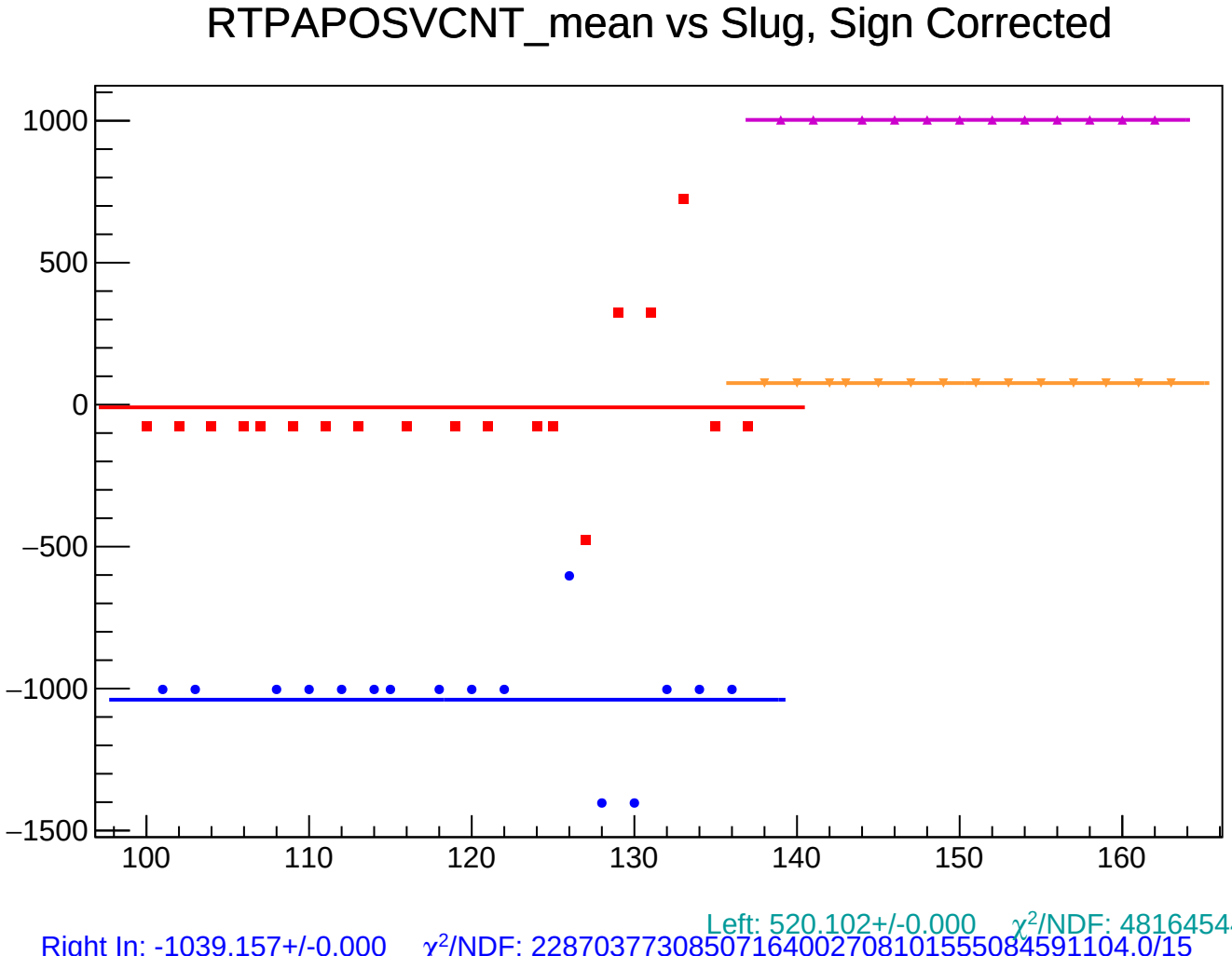
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -3.421+/-0.000 χ^2/NDF:491378460445554667

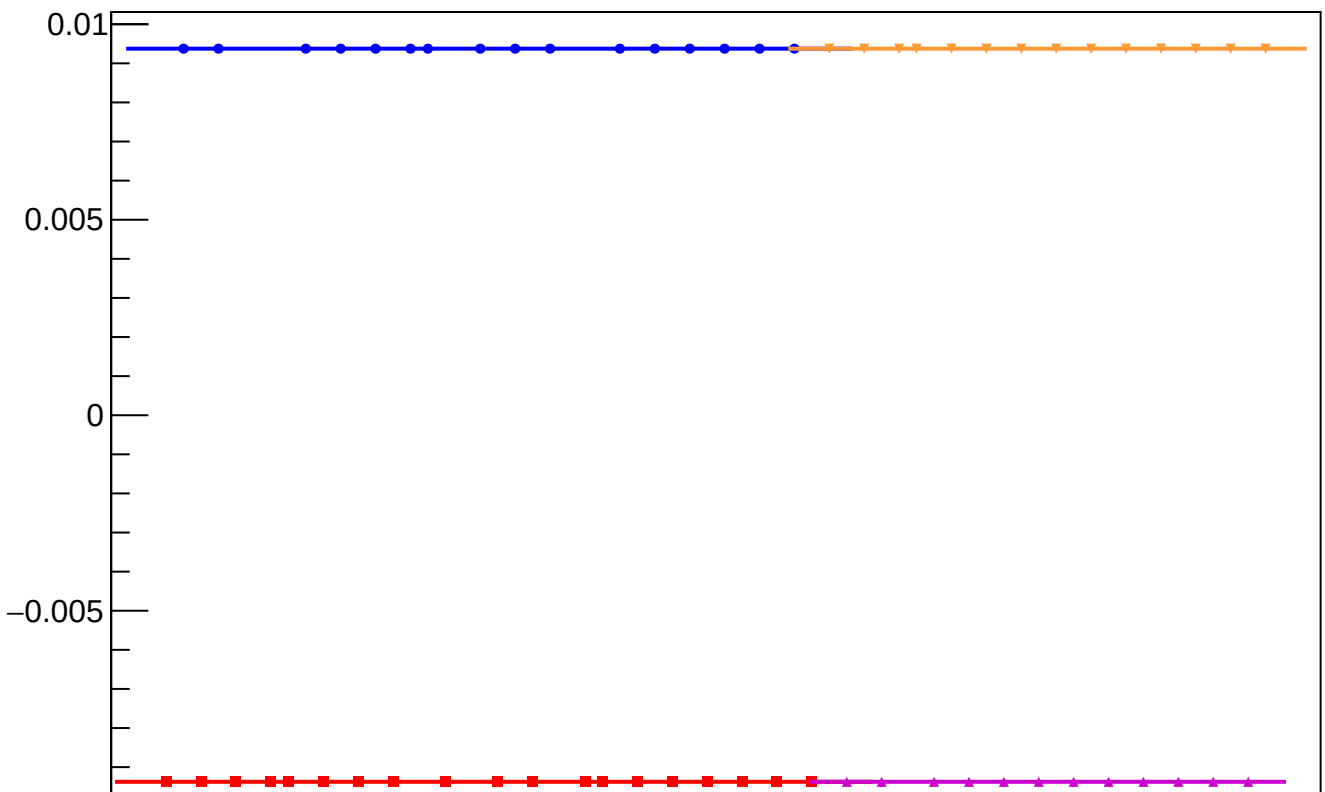
Out: 3.352+/-0.000 χ^2/NDF:470523710727356642

All: 0.103+/-0.000 χ^2/NDF: 10041512901535


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.011+/-0.000 χ²/NDF:490309069397277802234275430 4.0/13
Right Out: -1178.513+/-0.000 χ²/NDF: 221402599581232775654811061148377415 68.0/18
Left In: -912.994+/-0.000 χ²/NDF:128708401042861669599852625 92.0/11
Left: 159.595+/-0.000 χ²/NDF: 2376311237574746
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
In: -157.541+/-0.000 χ²/NDF:1526871393099910
Out: 228.467+/-0.000 χ²/NDF:2517577816939162
All: 41.433+/-0.000 χ²/NDF: 418400548220 6


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
Left: 520.102+/-0.000 χ²/NDF: 4816454448493637
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040.0/15
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
Left Out: 76.011+/-0.000 χ²/NDF:8613027272868809168430039040.0/13
In: 170.171+/-0.000 χ²/NDF:1852862249551636
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920.0/18
Out: 42.286+/-0.000 χ²/NDF:49428804946448193
Left In: 1002.989+/-0.000 χ²/NDF:157859545524692671782295961 6.0/11
All: 104.251+/-0.000 χ²/NDF: 19176089956

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/11

Left: 0.000+/-0.000 χ^2/NDF: 197056572796081205

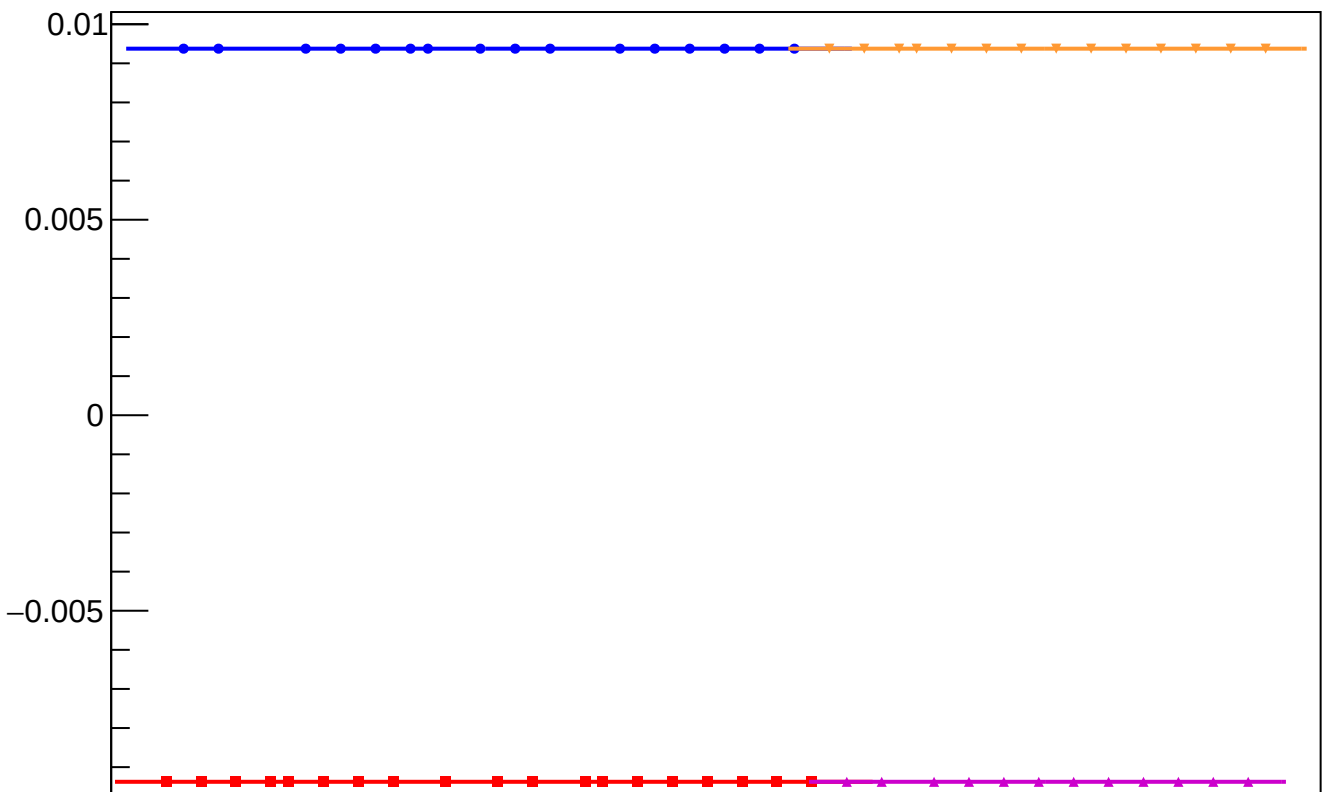
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:154268798156301193

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 32946834374999

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/11

Left: 0.000+/-0.000 χ^2/NDF: 197056572796081205

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.002+/-0.000 χ^2/NDF:154268798156301193

Out: 0.002+/-0.000 χ^2/NDF:162360765325917908

All: 0.000+/-0.000 χ^2/NDF: 32946834374999